HENDRICKS

Commercial Register

of the United States for Buyers and Sellers

Thirty-Third Edition—1925



Prier Radiator Valve

Non-rising stem—high lift
Body and all parts are made of high grade brass
Handle is non-breakable, heat-resisting

See Page 2197

Walter H. Prier Co.
230 E. Ohio St., CHICAGO

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Addres ction—

Beginning on page 7, gives the names and addresses of manufacturing and other concerns, with branch offices and local distributors of many advertisers.

Index to Classifications of Products—

Beginning on page 351, shows all items of Material, Supplies, Equipment, Machines, etc., indexed and cross indexed in the terms that come first to your mind. Thus "Dredging Buckets" are shown as "Buckets, Dredging," and as "Dredging Buckets." It is preferable, however, always to look for the NOUN.

Classified Products Section—

Beginning on page 501, lists under the name of the product the names of the manufacturers of this product. those shown in black-faced type are especially equipped to q is evidenced by their readiness to spend money to secure your inquiries—it will pay you to write them.

All Products are listed alphabetically according to the noun, excepting in the case of "Machinery" and "Textile Machinery," which for your convenience are brought together into two main groups, the former embracing classifications 7671 to 9499 and the latter embracing classifications 14993 to 15489; here the various kinds of machines and machinery are subclassified, each with its own classification number.

Sometimes a general classification, such as "Lumber," appears. Subclassifications appear immediately following the general list, however.

Various trades are listed, also, such as Architects and Contractors. In the larger lists the arrangement is geographical, for your more ready convenience. In the smaller lists the arrangement is alphabetical as to firm names.

Classification numbers, corresponding with the numbers in the Index to Classifications of Products, are shown above the outer column of each page.

If you refer directly to the Classified Products Section, look for the NOUN, thus, "Wardrobes, Office," not "Office Wardrobes."

Tradename Section—

Beginning on page 2301, carries the trade-names of all articles in industrial use put out within the past twenty-five years. We have thousands of additional trade-names on file, however. If you know a trade-name but not the name of the manufacturer, use the Trade-name Section.

And Remember—

We have a Complete Service Department ready to give you any further information or assistance you may desire.

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HENDRICKS
Commercial Register

Of the United States

for BUYERS and SELLERS

with which has been Incorporated

"The Assistant Buyer"

Indispensable as a Buyers' Reference for Manufacturers, Jobbers, Contractors, Engineers, Purchasing Agents, Architects, Exporters, Government Departments, Municipalities, and for Factories, Foundries, Machine Shops, Mills, Mines, Plantations, etc. Also Valuable for Preparing Mailing Lists

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CONTENTS

Pages 7 to 350 . . . Address and Local Distributors Section
" 351 to 500 . . . Index to Classifications of Products
" 501 to 2300 . . . . . Classified Products Section
" 2301 to 2550 . . . . . Tradename Section
" 2551 to 2570 . . . Index to Display Advertisements

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70 Fifth Avenue, NEW YORK 18 East Huron Street, CHICAGO

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to

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A. A. Wire Co., Inc., 50 E. 42d St., New York.
A. B. & B. Sheet Metal Works, Fond du Lac Ave. at 33d St., Milwaukee, Wis.
A. B. & B. Specialty Co., brewers & maltsters & shavings washing machy., 3300 Fond du Lac Ave., Milwaukee, Wis.
A. B. C. Electric Generator Co., automobile starters, 1115 S. Olive, Los Angeles, Cal.
A. B. C. Mfg. Co., camp furn., 3120 Gilham Rd., Kansas City, Mo.
A. B. Fireproofing Co., 64 W. Randolph St., Chicago.
A. B. Polish Co., metal, furniture and stove polishes, 1515 Haddon Ave., Chicago, Ill.
A Brass Foundry, bushings & castings, 2052 E. Vernon Ave., Los Angeles, Cal.

A. B. SEE ELEVATOR CO., INC., 52 Vesey St., New York.

Baltimore, Md. — Hartford, Conn.
Boston, Mass. — New York
Cleveland, O. — Philadelphia, Pa.
Detroit, Mich. — Washington, D. C.
Factory: Pacific Ave., Jersey City, N. J.

A. B. Stove Co., Battle Creek, Mich.
A. C. Electrical Mfg. Co., Dayton, Ohio.
A. G. A. Railway Light & Signal Co., lighting systems, Elizabeth, N. J.
A. G. Mfg. Co., switches & panel board cabinets, Seattle, Wash.
A. H. W. Carburetor Co., 250 Jefferson, Newark, N. J.
A. J. Nipple & Pipe Cut. Co., 203 Lafayette, New York.
A. M. Machine Wks., mfrs. & general machines wk., 25 N. May, Chicago, Ill.
A. O. K. Equipment Co., cover racks, 549 W. Washington Blvd., Chicago, Ill.
A. P. W. Paper Co., toilet paper, holders & towels, Albany, N. Y.
A-One Mfg. Co., plumbers' supplies, 304 E. 2nd, Los Angeles, Cal.
A-Z Co. See Austed Co. (successors)
A-1 Auto Sheet Metal Works, bodies, 3701 Moneta Ave., Los Angeles, Cal.
A-1 Mfg. Co., metal polish and hand soap, Front and Wharton, Philadelphia, Pa.
A-1 Metallic Products Co., 711 Canal St., Cleveland, Ohio.
A. & A. Rubber Co., rubber heels, Framingham, Mass.
A. & C. Mill Co., lumber, Edmonds, Wash.
A. & D. Sheet Metal Works, cornices, Kalamazoo, Mich.
A. & E. Auto Top Co., slip covers, Ypsilanti, Mich.
A. & E. Leather Goods Co., 362 5th Ave., New York.
A. & J. Mfg. Co., The (Iron Pipe Fitting and Brazing Compounds), 559 W. Lake St., Chicago.
A. & J. Mfg. Co., hardware spec., Binghamton, N. Y.
A. & J. Mfg. Co., machinists & founders, Gadsden, Ala.
A. & P. Products Corp., canned salmon, Central Bldg., Seattle, Wash.
A. & R. Lamp Co., 121 Lafayette St., Newark, N. J.
A. & W. Electric Sign Co., W 3d & Prospect Ave., Cleveland, O.
Aabail Mfg. Co., air and radiator valves, 815 Larabee, Chicago, Ill.
Aalbu Bros., machinists and founders, Everett, Wash.
Aaron Bros., flour mills, Martinsville, Va.
Aaron Elec. Co., generators, 15 S. Clinton, Chicago, Ill.
Abacus Constr. Co., Atlantic City, N. J.

ABBE, INC., PAUL O., (crushing, grinding and pulverizing mills, etc.) 71A Murray, New York.

ABBE ENGINEERING CO., 38 Church, New York.

Branch Offices:
Baltimore
Boston
Chicago
Los Angeles
Philadelphia

Works:
Brooklyn, N. Y.—270 Union av.

Abbe Hardware Co., New Britain, Conn.
Abbeville Cotton Mill, cotton sheetings, Abbeville, S. C.
Abbey Effervescent Salt Co., 1382 Broadway, New York.
Abbey & Imbrie, fishing tackle mfrs., 15 Warren, New York.
Abbot Jacket Mfg. Co., 1110-12 Washington, Ave., St. Louis, Mo.
Abbot Sheet Metal Wks., cornices, 816 S. Wabash Ave., Chicago, Ill.
Abbot Truck & Body, Concord, N. H.

ABBOTT BALL CO., Elmwood Station, Hartford, Conn.

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Chicago, Ill.—Victor R. Clark, 118 S. Clinton.
San Francisco, Calif.—J. M. Jackson, 320 Market

Foreign Agents:
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Abbott Bros., packing box mfrs., Springfield, Ill.
Abbott Co., D. S., Olean, N. Y.
Abbott Coin Counter Co., Wales Ave. and 143rd, New York.
Abbott-Converse Co., high temperature cements, P. O. Box 1740H, Houston, Texas.
Abbott & Co., Hudson, Mich.
Abbott, C. T., machinists and founders, Woodstock, Ill.
Abbott-Downing Truck & Body Co., Concord, N. H.
Abbott, E. T., Constr. Co., 303 W. 43rd, New York.
Abbott, Frank L. (Lumber), 2201 Loomis St., Chicago.
Abbott, Franklin, 52 Vanderbilt Ave., New York.
Abbott Hdwe. Co., 636 Columbus Ave., New York.
Abbott, J. L., & Son, Fort Lee, N. J.
Abbott, John G. (est. of), children's cradles, mattresses, etc., Antrim, N. H.
Abbott, Johnson R., mach. and fdr., Greenfield, Ind.
Abbott Laboratories, 4753 Ravenswood Ave., Chicago.
Abbott, Merkt & Co., Inc., industrial engineers, 175 5th Ave., New York.
Abbott's, M., Sons, heating contrs., cornices, 137 8th Ave., New York.
Abbott Packing & Ice Co., meat packers, Carnegie, Pa.
Abbott, S. B., agricultural implements, Goshen, Ind.
Abbott, Saml., arc lamp pulleys, Cleveland, Ohio.
Abbott & Son, wholesale hardware, Marshalltown, Ia.
Abbott & Wagner, Cummer-Diggins Bldg., Cadillac, Mich.
Abbott, W. H., machinists and founders, Hudson, Mich.
Abbott, W. H., signs, name plates, 46 Greenwich Ave., New York.
Abbott, W. H., soap, fertilizer, Holyoke, Mass.
Abbott, Wm. G., ship builders, Milford, Del.
Abeel, Addison J., bristles, 167 Front, New York.
Abegg & Reinhold Co., auto tools and steel hardening, 2533 E. 26th St., Los Angeles, Cal.
Abel & Bach, 1000 St. Paul Ave., Milwaukee, Wis.
Abel Bros., contractors, Am. Central Life Bldg., Indianapolis, Ind.
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Abeles & Co., C. T., Little Rock, Ark.

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V. P. & Gen. Mgr.—W. E. Engel.
Sec.—Arthur H. Engler.

Abeles, T. E., & Co., overalls, 520 Prairie, Milwaukee, Wis.
Abell & Co., O. J., 140 S. Dearborn St., Chicago.
Abell Elev. Co., 114 N. 8th, Louisville, Ky.
Abell-Howe Co., high speed chains, 53 W. Jackson, Chicago, Ill.
Abendroth Bros., Port Chester, N. Y.
Abendroth Bros., see Mallory P. R. & Co., Inc. (successor).
Abendroth, G. Irving, Co., steel stacks, tanks, etc., 10 E. 43rd, New York.

ABENDROTH & ROOT MFG. CO., Newburgh, N. Y.

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Aberdeen Lumber Shingle Co., Aberdeen, Wash.
Aberdeen Mill Co., flour, Aberdeen, S. D.
Abernathy Furn. Co., 1515 W. 9th, Kansas City, Mo.
Abernathy Vise & Tool Co., 2514 W. 26th St., Chicago.
Aberogwen Mont'l Wks., Quincy, Mass.
Aberthaw Construction Co., 27 School St., Boston, Mass.
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Abingdon Milling Co., flour, Abingdon, Va.
Abingdon Sanitary Mfg. Co., Abingdon, Ill.
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Abingdon Wagon Co., Abingdon, Ill.
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Abram-Cox Stove Co., American & Dauphin Sts., Philadelphia, Pa.
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Abrams Trunk Co., 1234 W. Chicago Ave., Chicago, Ill.
Abramsen Engng. Co., see Sutton Abramsen Co. (successors).
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Abrasive Material Co., grinding wheels, Bridesburg, Pa.
Abrasive Mining & Mfg. Co., Plymouth, Ind.
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Absorene Mfg. Co., The, 1609-17 N. Fourteenth St., St. Louis, Mo.
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Accurate Engineering Co., 5401 Western Ave., Chicago, Ill.
Accurate Tool Works, Erie, Pa.
Ace Magneto Co., Goshen, Ind.
Ace Motor Corp, Erie & Sepirah St., Philadelphia, Pa.
Ace Paper Clip Co., Balboa Bldg., San Francisco, Cal.
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Acetylene Gas Illuminating Co., 226 Lafayette St., New York.
Acetylene Generator Mfg. Co., 3631 S. Park Ave., Los Angeles, Cal.
Acetylene Journal Pubg. Co., trade publications, 53 W. Jackson, Chicago, Ill.
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Acme Etched Products Co., dials, name plates, etc., 459 Brady, Detroit, Mich.
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Acme Extract & Chemical Wks., varnish mfrs., Hanover, Pa.
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Acme Fence & Iron Co., 3502 Lake Ave., Cleveland, O.
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Acme Gold Pen Co., 17 Vandewater, New York.
Acme Guard Co., 150 Nassau, New York.
Acme Handle Co., package handles, 228H Orient Ave., Jersey City, N. J
Acme Hardwood Floor Co., 2216 Polk, San Francisco, Cal.
Acme Harvesting Machine Co., Peoria, Ill.
Acme Industrial Co., 413-419 N. Carpenter St., Chicago.
Acme Keystone Co., blind stitch and felling machy., Beaver Falls, Pa.
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Acme Knitting Machine & Needle Co., Franklin, N. H.
Acme Lamp Works, 55 Cambridge Ave., Jersey City, N. J.
Acme Leather Co., 11 Pope, Salem, Mass.
Acme Level & Mfg. Co., Archbold, Ohio.
Acme Lighting Fixture Co., 107 W. 13th, New York.
Acme Lithograph Co., labels, P. O. Box 831, Fresno, Cal.
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Acme Lumber & Shingle Co., 20 W. Jackson Blvd., Chicago.
Acme Lbr. Co., 2127 Fenkell Ave., Detroit, Mich.
Acme Lumber Co., sash, door and blind, New Castle, Pa.
Acme Lumber Co., 6th and Channel, San Francisco, Cal.
Acme Mach. Co., St. Joseph, Mo.
Acme Machine Co., mchsts., 212 Park Blvd., Fresno, Cal.
Acme Machine Co., special machy., 316 N. 17th, Philadelphia, Pa.

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V. P.—S. S. Quiffen.
Treas.—Chas. Meier.
Sec. & Gen. Mgr.—A. J. Jones.

Acme Machine Works, 4125 Ravenswood Ave., Chicago. (Now F. J. Littell Machine Co.)

ACME MACHINERY CO., THE, 4333 St. Clair Ave., N. E., Cleveland, O.
Pres.—F. W. Brueh.
V. P.—K. F. Brueh.
Secy. & Treas.—D. R. Davies.

Acme Machinery Exchange, 217 Centre St., New York.
Acme Manicure & Novelty Co., 49 Lispenard, New York.
Acme Mfg. Co., cedar chests, South Bend, Ind.
Acme Mfg. Co., die blocks, stamping & limit gauges, 1647 Howard, Detroit, Mich.
Acme Mfg. Co., dies, models, etc., 355 Howard, Detroit, Mich.
Acme Mfg. Co., electric light fixtures, 312 High Ave., Cleveland, O.
Acme Mfg. Co., fertilizer, Wilmington, N. C.
Acme Mfg. Co., ladders, 1806 East, Pittsburgh, Pa.
Acme Mfg. Co., pipe clamps, hammers, hangers, etc., Bangor, Me.
Acme Mfg. Co., Inc., 80 Manhan St., Waterbury, Conn.
Acme Metal Ceiling Co., cornices, 733 S. Halstead, Chicago, Ill.
Acme Metal Manufacturing Co., 1211 Clybourn Ave., Chicago.
Acme Metal Stamping Co., junction boxes, 429 Prospect, N. W., Cleveland, Ohio.
Acme Mill Supply Co., scrap iron, Guardian bldg., Cleveland, O.
Acme Mill Works, flour mill machy., Greensboro, N. C.
Acme Milling Co., buckwheat flour, Corry, Pa.
Acme Milling Co., flour, 19 W. Washington, Oklahoma City, Okla.
Acme Milling Co., flour, Talbott, Tenn.
Acme Mills, flour, Hopkinsville, Ky.
Acme Motor Parts Corp., 355 E. Water St., Milwaukee, Wis.
Acme Motor Truck Co., Cadillac, Mich.
Acme Novelty Co., card tables, Jamestown, N. Y.
Acme Novelty Co., metal specialties, 4222 W. Lake, Chicago, Ill.
Acme Packing Co., 813 W. 22nd, Chicago, Ill.
Acme-Palmers & DeMooy Fdry Co., 5217 Sweeney Ave., Cleveland, O.
Acme Paper Co., fancy paper box coverings, linings, etc., 321 Greenwich, New York.
Acme Pattern & Machine Co., 1553 Niagara St., Buffalo, N. Y.
Acme Pattern Works, 52 Porter, Detroit, Mich.
Acme Pipe Strap Co., 944 Harper, Detroit, Mich.
Acme Plumbing & Heating Co., Boise, Idaho.
Acme Preserve Co., Adrian, Mich.
Acme Print Co., textile machy., supplies, Reading, Pa.
Acme Printing Ink Co., 1315 W. Congress St., Chicago.
Acme Pump Co., 52A Santa Fe Ave., Los Angeles, Cal.
Acme Pump & Tank Co., 19 W. 44th, New York.

ACME ROAD MACHINERY CO., Frankfort, N. Y.

Acme Roofing Co., cornices, 4628 Moran, Detroit, Mich.
Acme Rubber Heel Co., Elyria, O.
Acme Rubber Mfg. Co., E. State St., Trenton, N. J.
Acme Safety Window & Screen Co., 77 O'Farrell, San Francisco, Cal.
Acme Sales Corp., dyestuffs, 189 N. Clark, Chicago, Ill.
Acme Sanitary Pottery Co., Trenton, N. J.
Acme Shear Co., 82 Hicks st., Bridgeport, Conn.
Acme Sheet Metal Co., Martins Ferry, O.
Acme Specialty Mfg. Co., heaters, Toledo, O.
Acme Spring & Wire Works, 1508 Carroll Ave., Chicago.
Acme Spring Bed & Mattress Co., Fort Smith, Ark.
Acme Spring Co., 1839 Burling St., Chicago.
Acme Stamping & Mfg. Co., Corliss & Rudd Sts., Pittsburgh, Pa.
Acme Stamping Co., steel kegs, Shamokin, Pa.
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Acme Steel & Malleable Iron Wks., Inc., 245 Military Rd., Buffalo, N. Y.
Acme Steel Goods Co., 2834 Archer Ave., Chicago.
Acme Storage Battery Corp., Poughkeepsie, N. Y.
Acme Stove & Range Co., gas stoves, Carnegie, Pa.
Acme Supply Co., masons' & builders' supplies, Newport News, Va.
Acme Tag Co., Minneapolis, Minn.

ACME TANK CO., 43 Cortlandt, New York.

Acme Tanning Co., leather, 2528 Coleman Ave., Cincinnati, O.
Acme Tile Co., 125 Prospect, Passaic, N. J.
Acme Traffic Signal Co., 620 Marsh-Strong Bldg., Los Angeles, Calif.
Acme Universal Joint Mfg. Co., Kalamazoo, Mich.
Acme Veneer & Lumber Co., 8th & Harriet, Cincinnati, O.
Acme Ventilator Corp., 399 Atlantic Ave., Boston, Mass.
Acme Wagon Co., Emigsville, Pa.
Acme White Lead & Color Works, 8250 St. Aubin St., Detroit, Mich.
Acme Wire Co., New Haven, Conn.
Acme Woodworking Co., display racks & stands, 514 W. 46th, New York.
Acomb, C. W., willowware mfrs., 6014 Ridge Ave., Pleasant Ridge, Cincinnati, O.
Acorn Bearing Co., 20 Brook, New Britain, Conn.
Acorn Brass Mfg. Co., 3220 W. Lake St., Chicago.
Acorn Buggy Co., carriages, 2118 Spring Grove, Cincinnati, O.
Acorn Insulated Wire Co., The, 73 Richards St., Brooklyn, N. Y.
Acorn Leather & Belting Co., 5760 12th St., Detroit, Mich.
Acorn Lumber Co., Oliver Bldg., Pittsburgh, Pa.
Acorn Refining Co., The, 8001-8311 Franklin Ave., N. W., Cleveland, Ohio.
Acorn Web Mills, North Wales, Pa.
Acorn Wire & Iron Works, 5212 Lowe Ave., Chicago.
Action Film Co., 440 S. Dearborn St., Chicago.
Active Filter & Cooler Service, 229 W. Illinois St., Chicago.

ACTIVE SPINNING & SHEET METAL WORKS, 15-17 W. Kinzie, Chicago, Ill.

Acton, John, steam traps, oil filters, machy., regulators, valves, etc., 118 John, Brooklyn, N. Y.
Acton Products Co., canned goods, Acton, Ind.
Acton Tile & Pottery Co., 2117-23 Reading road, Cincinnati, O.
Acton Tool & Stamping Co., Ltd., Toronto, Ont., Can.
Acushnet Iron Co., mchsts. & fdrs., 233 N. Water St., New Bedford, Mass.
Acushnet Mills Corp., cotton sheetings, Front, New Bedford, Mass.
Acushnet Process Co., rubber goods, Acushnet, Mass.
Acushnet Sawmill Co., New Bedford, Mass.
Acushnet Saw Mills Co., box shooks, Acushnet, Mass.
Ada Clay Co., brick and tile, Ada, O.
Ada Coal & Lumber Co., masons' & bldrs.' materials, Ada, O.
Ada Granite Co., Ada, O.
Adair & Seatcel, contrs., Healy Bldg., Atlanta, Ga.
Adair, A. D., & McCarty Bros., phosphate acid, Atlanta, Ga.
Adam Electric Co., Frank, 3650 Windsor, St. Louis, Mo
Adam, Frank, Elec. Co., Inc., cut-outs and switchboards, 3650 Windsor, St. Louis, Mo.
Adamant Porcelain Co., E. Liverpool, O.
Adamant Steel Sign Co., 245 W. 55th St., New York
Adami Bros., contrs., Helena, Mont.
Adams & Co., Inc., Ephraim, 289 Congress, Boston Mass.
Adams & Co., Henry H., 149 Broadway, New York
Adams & Co., J. D., 217 S. Belmont Ave., Indianapolis, Ind.
Adams & Co., R. T., 108 Arlington st., Boston, Mass.
Adams & Co., leather, Johnstown, N. Y.
Adams & Duford Co., Chaumont, N. Y.

ADAMS & ELTING CO., Gen'l Office & Factory, 1835 Seward St., Chicago.
Brooklyn, N. Y.—69-73 Washington Ave., Chas P Dupont.
Kansas City, Mo.—16th & Walnut Sts.
Toronto, Can.—17 Adelaide St., W. G. Francis

Adams & Graham, lumber, Hamlet, N. C.
Adams & Jewell, asbestos pipe coverings, Rome, N. Y.
Adams & Johnson Co., harness, saddles & strap work, Galesburg, Ill.
Adams & Kelly Co., Omaha, Neb.
Adams & Langford, flour mills, Harrodsburg, Ky.
Adams & Powers Co., sash, door & blind mfrs., 152 Union Park, Worcester, Mass.
Adams & Ruxton Construction Co., 367 Main, Springfield, Mass.
Adams & Sons, E. R., Racine, Wis.
Adams & Westlake Company, 319 W. Ontario St., Chicago.
Adams & White Co., 164 Pearl st., Buffalo, N. Y.
Adams, A., Jr., canned goods, Sunland, Cal.
Adams, A. L., drill, anvil & vise combined, Cedar Rapids, Ia.
Adams, A. L., mchsts., 307 Center, Bridgeport, Conn.
Adams, A. L., Paper Co., Baldwinsville, Mass.
Adams Axle Co., Findlay, O.
Adams-Bagnall Electric Co., The, See National Screw & Mfg. Co., Cleveland, O.
Adams, Bertram, canned goods, Oakland, Cal.
Adams Bros. & Co., mchsts., 136 W. Lake, Chicago, Ill.
Adams Bros. Manifold Printing Co., Topeka, Kans.
Adams Bros., mchsts., 224 Eddy, Providence, R. I.
Adams Bros. Mfg. Co., Inc., elec. heaters, Fayette & Chateau, Pittsburgh, Pa.
Adams Bros. Paynes Co., brick & lumber, Lynchburg, Va.
Adams, C. F., leather washers, etc., Fort Worth, Tex.
Adams, C. N., brick, Alexandria, La.
Adams, C. B., mchsts. & fdrs., Ventor, Va.
Adams, Campbell Co., stamping dies, spec. machy. & screw mach. products, 1730 S. Los Angeles, Los Angeles, Cal.
Adams Carriage Co., Dover and Lisbon, O.
Adams, Chas. J., & Sons, contractors, 308 W. 20th, New York.
Adams Clay Products Co., brick, Martinsville, Ind.
Adams Co., Enos, Bennington, Vt.
Adams Co., Fred C., 130 N. Wells St., Chicago.
Adams Co., The, Dubuque, Iowa.
Adams Co., The, George H., Waltham, Mass.
Adams Constr. Co., 217 Clarkson Ct., Chicago, Ill.

ADAMS CRAYON CO., D. C., 125 Market St., St. Louis, Mo.

Adams County Lumber Co., Decatur, Ind.
Adams, Cushing & Foster, fountain pens, tablets & pads, 110 Federal, Boston, Mass.
Adams, D. E., Co., silk thread, 225 5th Ave., New York.
Adams, D. L., lumber, Portland, Ind.
Adams, Daniel, sash, door & blind mfrs., 2940 Marshall, Philadelphia, Pa.
Adams, E. F., Petaluma, Calif.
Adams, E. G., artificial stone laundry tubs, Kingston, N. Y.
Adams, E. P., Co., advtg. signs, 170 Summer, Boston, Mass.
Adams Electrical Co., 112 W. 3rd St., Cincinnati, O.
Adams, F. C., ship bldrs., East Boothbay, Me.
Adams Foundry Co., Wm., 960 N. State St., Philadelphia, Pa.
Adams, G. A., contrs., Mason Bldg., Fresno, Calif.
Adams, G. E., cornices, Glens Falls, N. Y.
Adams, Geo. H., Co., knitting & latch needles & machy., Hill, N. H.
Adams Hardware & Paint Co., Lowell, Mass.
Adams Heating & Plumbing Co., Helena, Mont.
Adams-Holland Electric Co., switch boxes, Revere, Mass.
Adams Husker Co., agricultural implmnts., Marysville, O.
Adams, J. H., & Sons, whol. hdwe., Tyler, Tex.
Adams, J. M., parquet floors, 330 N. Charles, Baltimore, Md.
Adams, J. R. M., whol. hdwe., Eutaw & Franklin, Baltimore, Md.
Adams, J. T., card feed rolls, Lowell, Mass.
Adams, J. T., Columbus, O.
Adams, Jacob A., & Son, contrs., Wilkinsburg, Pa.
Adams, John J., machsts., South Quinsigamond, Worcester, Mass.
Adams Laundry Machy. Co., Troy, N. Y.
Adams, Louis S., landscape architect, Roger Williams Blvd., Philadelphia, Pa.
Adams Machine Co., W. T. Corinth, Miss.
Adams Mfg. Co., marine engines & windshield cleaners, 1741 8th, Berkeley, Calif.
Adams Mfg. Co., mosquito netting, Shelton, Conn.
Adams Mfg. Co., stationers' specialties, 86 E. Plumstead, Philadelphia, Pa.

ADAMS MFG., CO., (NOT INC.), HENRY T, South Chicago Ave. & Crandon, Chicago.
Distributers:
CALIF.—Los Angeles—Zellerbach Paper Co., 212 S. Los Angeles St., Maine 8008.
San Francisco—H. S. Crocker Co., Inc., 565 Market St., Douglas 5800.
GA.—Atlanta—Montag Brothers.
ILL.—Chicago—Beckley-Cardy Co., 17 East 23rd St., Victory 3596.
A. Flanagan Company, 521 S. Laflin St., Monroe 4281.
Garden City Educational Co., 515 S. Wells St., Harrison 4380.
Horder's Stationery Stores, 236 West Lake St., Franklin 6760.
A. C. McClurg & Co., 330 East Ohio St., Superior 1660.
Mentzer, Bush & Co., 2210 S. Park Ave., Calumet 4754.
E. W. A. Rowels Co., 2345 S. LaSalle St., Victory 3812.
Western News Co., 25 East Austin Ave., Central 8040.
IA.—Dubuque—Buettell Bros Co., 818 Central Ave.
KY.—Louisville—Central School Supply Co., 311 West Main St.
LA.—New Orleans—F. F. Hansell & Bro., Ltd., 123 Carondelet St.
MASS.—Boston—Adams, Cushing & Foster, 110-112 Federal St., Congress 0396.
Kenney Bros. & Welkins, 224 Congress St., Congress 1334.
MICH.—Grand Rapids—The Heyboer Stationery Co., 3 Ionia Ave., N. W.
Kalamazoo—Kalamazoo Loose Leaf Binder Co.
Lansing—The Dudley Paper Co.
MO.—St. Louis—Blackwell-Wielandy Book and Stationery Co., Washington, Locust & West 16th St., Main 4090.
MONT.—Butte—Butte Paper Co.
NEB.—Grand Island—Nebraska Paper Co.
Lincoln—The Nebraska School Supply House, 1126 Q St.
Omaha—Carpenter Paper Co.
Omaha School Supply Co., 1113 Nicholas St.
N. Y.—New York—American News Co., 9-15 Park Place, Barclay 5600.
Atlas Stationery Corporation, 52 Duane St., Worth 9550.
Defiance Sales Corporation, 72 Spring St.
Federbush Bros., 88 Park Place, Canal 4993.
Hammacher-Schlemmer & Co., 4th Ave. & 13th St., Stuyvesant 7000.
A. L. Salomon & Co., 546 Broadway, Franklin 3672.
O.—Cleveland—Harter School Supply Co., 2046 East 71st St., Main 2110.
Dayton—The Reynolds & Reynolds Co.
PA.—Allentown-National Selling Co.
WASH.—Seattle—Lowman & Hanford Co., 1st Ave. & Cherry St.
WIS.—Oshkosh—Baker Paper Co.
CAN.—Toronto—Copp-Clark Co., Ltd., 517 Wellington St., West.
W. J. Gage & Co., Ltd.
Winnipeg—Clark Bros. & Co., Ltd., 48 Charlotte St.

Adams-Morgan Co., Montclair, N. J.
Adams Motor & Mfg. Co., 3914 Castello Ave., Chicago.
Adams, O. R., Mfg. Co., Inc., lathes & engines, Rochester, N. Y.
Adams Paper Co., Wells River, Vt.
Adams, Payne & Gleaves, Inc., Roanoke, Va.
Adams Pipe Works, 2025 Bay, Los Angeles, Calif.
Adams-Rogers Co., sash, door & blind mfrs., Ray and Drover, Indianapolis, Ind.
Adams, S. H., cooperage stock, Portland, Ind.
Adams, S., & Son, agricultural implements, Rome, N. Y.
Adams Spark Arrester Co., 116 E. 11th N., Portland, Ore.
Adams Stamp & Stationery Co., S. G., 412 N. 6th St., St. Louis, Mo.
Adams Steel Products Corp., 90 West St., New York.
Adams, T. T., Co., lumber, Sevier, N. C.
Adams, Thos. J., & Co., varnish mfrs., 3605 N. 4th, Philadelphia, Pa.
Adams, U. S., & Co., lumber, Townsend, Mass.
Adams, W. A., flour mills, Simpsonville, S. C.
Adams, W. T., Mach. Co., Corinth, Miss.
Adams, Wm., Co., contractors, 209 LaSalle, Chicago, Ill.
Adams, Wm., Fdry. Co., 960 N. 9th, Philadelphia, Pa.
Adams, Wm. H., architectural engr., 504 Hoffman Bldg., Detroit, Mich.
Adams, Winfield, contrs., Pleasantville, N. J.
Adamson & Co., J., Columbia and Germantown Ave., Philadelphia, Pa.
Adamson Machine Co., Akron, O.
Adamson Mfg. Co., East Palestine, O.
Adamstown Canning & Supply Co., Adamstown, Md.
Adapt Machinery Co., 1624-32 S. Wabash Ave., Chicago.
Adapti Mfg. Co., conduit fittings, 919 West, Cleveland, O.
Adapti Mfg. Co., 919 West, Cleveland, Ohio.
Adbro Mfg. Co., massage vibrators, Phipps Power Bldg., Pittsburgh, Pa.
Adco, Inc., advt. signs, 381 4th av., New York.
Adde & Co., 59 Kennebec st., Portland, Me.
Addenbrook's, J. U., Sons, contractors, Norfolk, Va.
Adder Mach. Co., Wilkes-Barre, Pa.
Addikson & Bauer, whol. hdwe., Jackson, Miss.
Adding Machine Corp., 170 W. Washington St., Chicago.
Add-Index Corp., filing & adding machy., 120 Broadway, New York.
Addison Bros., lumber, Lorane, Ore.
Addison Packing Co., canned gds., Southwest Harbor, Me.
Addressing Mach. Co., 895 Niagara, Buffalo, N. Y.
Addressograph Co., 901 Van Buren St., Chicago.
Addy, Matthew Co., The, First Nat'l Bank Bldg., Cincinnati, O.
Adee & Co., Fred, 3 Cliff St., New York.
Adel Clay Products Co. Adel, Ia.
Adell Canning Co., Adell, Wis.
Adell Mfg. Co., Orange, Mass.
Adelson, Mose D., scrap iron, Pittston, Pa.
Ader, Frank G., Construction Co., Newport, Ky.
Aderman, Wm., lumber, Gresham, Wis.
Adhesive Paper Products Co., gummed tape, 3343 Fillmore, San Francisco, Calif.
Adirondack Elec. Power Corp., Glens Falls, N. Y.
Adirondack Silo Co., Malone, N. Y.
Adirondack Steel Foundries Corp., Albany & Troy Belt Line, Watervliet, N. Y.
Adix Mfg. Co., The, Boone, Ia.

ADJUSTABLE CLAMP CO., 216 N. Jefferson st., Chicago.

Adjustable Fixture Co., 305 Mfrs. Home, Milwaukee, Wis.
Adjustable Leg Table Co., 1120 Oak, San Francisco, Calif.
Adjustable Lighter Assn., cigar & gas lighters, Newton, Mass.
Adjustable Sash Lock Co., Atlantic City, N. J.
Adjustable Table Co., 55 Mt. Vernon St., S. W. Grand Rapids, Mich.
Adkins & Co., E. S., Salisbury, Md.
Adkins, Young & Allen Co., 561 Washington Blvd., Chicago.
Adler & Co., Jacob, (Gloves), 315 4th Ave., New York.
Adler, Alphonse A., consulting engineer, 9 Murray, New York.
Adler Brush Co., 132 N. Broadway, Los Angeles, Calif.
Adler, Chas., Jr., 1817 Futaw Place, Baltimore, Md.
Adler Mfg. Co., organs, pianos, Louisville, Ky.
Adler Underwear & Hosiery Mfg. Co., Harrison & Queen City Aves., Cincinnati, O.
Adler Veneer Seat Co., Payntar Ave., L. I. City, N. Y.
Adlerhurst Iron Co., 52 Richards, New Haven, Conn.
Adlerhurst Iron Co., West Haven, Conn.
Admiral Anchor Co., The, 1417 Sansom St., Philadelphia, Pa.
Admiral Hay Press Co., 1216 W. 8th St., Kansas City, Mo.
Admiral Weld. Mach. Co., 1607 Locust, Kansas City, Mo.
Adoll Agency (advertising counsellors), Oil City, Pa.
Adovasio, Louis, & Co., contractors, Youngstown, O.
Adrian Furnace Co., Dubois, Pa.
Adrian Iron & Metal Co., scrap rubber, Adrian, Mich.
Adrian Mfg. Co., pumps & road scrapers, 41 Wilson Ave., San Jose, Calif.
Adrian Steel Castings Co., Beecher St., Adrian, Mich.
Adrian Wire Fence Co., Adrian, Mich.
Adriance-Bate Corp., 80 Richards St., Brooklyn, N. Y.
Adriance Mach. Works, 80 Richards St., Brooklyn, N. Y.
Adriance Plumbing & Heating Co., Poughkeepsie, N. Y.
Adro Co., metal polish, 247 Pearl, New York.
Adroit Tool Co., blow torches & soldering irons, 14 Front, New York.
Adrophy Elec. Co., contrs., Derby, Conn.
Adsign Co., Inc., 800 8th Ave., New York.
Adt & Sons, John, now Shuster Co., F. B., New Haven, Conn

ADT CO., THE JOHN B., 350 N. Holliday St., Baltimore, Md.
Pres. & Treas.—Albert W. Adt.
V P. & Sec.—John B. Adt.

Advance Automobile Accessories Corp., 1721 Prairie Ave., Chicago.
Advance Bar Co., Middletown, O.
Advance Battery Mfg. Co., 122 S. 6th St., Louisville, Ky.
Advance Bedding Co., mattresses, La Crosse, Wis.
Advance Boiler & Tank Co., 3015 Walnut St., Milwaukee, Wis.
Advance Car Mover Co., Appleton, Wis.
Advance Co., Richmond, Ind.
Advance Corrugated Box Co., 2837 LaSalle St., Chicago.
Advance Electric Co., 6315 Maple Ave., St. Louis, Mo.
Advance Electrical Co., mfrs. & repair elec. motors, 611 W. Adams, Chicago, Ill.
Advance Elec. & Mfg. Co., junction boxes, switchboards, etc., 1302 W. 9th, Kansas City, Mo.
Advance Felt Specialty & Cutting Co., 315 S. Jefferson St., Chicago.
Advance Fire Clay Co., Uhrichsville, O.
Advance Foundry Co., Parnell & Florence St., Dayton, O.
Advance Furnace & Engineering Co., The, Springfield, Mass.
Advance Furn. Co., Dept. H, Jamestown, N. Y.
Advance Glass Co., Newark, O.
Advance Grease Co., lubricating oils & greases, 170 S. Water, Jackson, Mich.

ADVANCE HOSE MFG. CO., Fourth & Cherry Sts., Philadelphia, Pa.
Pres.—George J. Holden.
Sec. & Treas.—Howard R. Peterman.

ADVANCE LUMBER CO., Birmingham, Ala.
Pres.—E. B. Teague.
Vice-Pres.—J. E. Chandler.
Sec. & Treas.—B. L. Frost.

Advance Lumber & Shingle Co., Detroit, Mich.
Advance Machine Co., 4645 Ravenswood Ave., Chicago.
Advance Machine Works, Inc., 1210 S. Hope, Los Angeles, Calif.
Advance Machinery Co. (now New Advance Machinery Co.), Van Wert, O.
Advance Mfg. Co., Erie, Pa.
Advance Mfg. Co., gasoline engines, special machinery, etc., Hamilton, O.
Advance Mfg. Co., Hamilton, O.
Advance Mfg. Co., hand vacuum cleaners, Kalamazoo, Mich.
Advance Oil Co., Oil City, Pa.

ADVANCE PACKING & SUPPLY CO., 808 W. Washington Blvd., Chicago.

Advance Paint Co., 540 W. Norwood, Indianapolis, Ind.
Advance Paper Box Co., Franklin Ave. & Beaumont St., St. Louis, Mo.
Advance Pattern & Foundry Co., 2734 W. 36th Pl., Chicago.
Advance Plating Supply Co., metal cleaners & polishing wheels, 159 N. Jefferson, Chicago, Ill.
Advance Pump & Compressor Co., Battle Creek, Mich. (Now American Steam Pump Co.)
Advance Roofing & Sheet Metal Works, cornices, 4830 Cottage Grove Ave., Chicago, Ill.
Advance-Rumely Thresher Co., Inc., La Porte, Ind.
Advance Saw Works, 339 E. 2d, Los Angeles, Calif.
Advance Spring & Wire Company, 1749-61 Carroll Ave., Chicago.
Advance Stove Works, 21 Read st., Evansville, Ind.
Advance Terra Cotta Co., 203 S. Dearborn St., Chicago.

ADVANCE TOOL CO., THE, Cincinnati, O.

Advance Tool Works, 439 N. Western Ave., Chicago.
Advance Welding Machine Co., 111 N. Desplaines St., Chicago.
Advance Wheel Mfg. Co., Inc., 125 W. Illinois St., Chicago.
Advanced Engineering Co., 464 7th, San Francisco, Calif.
Advertisers Electrotyping Co., 500 Sherman, Chicago.

ADVERTISERS' INDIVIDUAL SERVICE, 9 S. Clinton St., Chicago.

Advertisers Paper Mills, Inc., Holyoke, Mass.
Advertisers Printing Co., 128 Halleck, San Francisco, Calif.
Advertising & Selling Magazine, Grand Central Terminal, New York.

ADVERTISING ART BULLETIN CO., 184 N. State st., Chicago.

Advertising Laboratories (The), 1142 Market Ave., Canton, O.
Advertising Leather Spec. Co., 26 W. 17th, New York.
Advertising Novelty Co., 420 S. Winchester Ave., Chicago.
Advertising Novelty Mfg. Co., pencils, etc., Newton, Ia.

ADVERTISING PRODUCERS, ASSOCIATED, 538 S. Clark St., Chicago.

Advertising Scale Co., 117 N. Daly, Los Angeles, Calif.
Advice Machine & Mfg. Co., motion picture cameras & special machy., 352 S. Los Angeles, Los Angeles, Calif.
Ady, S. J., canned goods, Sharon, Md.
Aeolian Co., 29 W. 42nd St., New York.
Aeolian Plastic Slate Roofing Co., 637 W. 42d, New York.

AEOLUS DICKINSON CO., Industrial Division, Paul Dickinson, Inc., 3334 S. Artesian Ave., Chicago.
Pres.—A. J. Filkins.
E. P. Cobb.
H. T. Hutchinson.

Aeppli & Smith, leather gloves, 4014 Parker Ave., Chicago, Ill.
Aerial Cutlery Mfg. Co., Marinette, Wis.
Aermotor Co., 2500 W. Roosevelt Rd., Chicago.
Aero Alarm Co., Central Bldg., Seattle, Wash.
Aero Alarm Co., 26 Cortland St., New York.
Aero Cushion Tire Co., fillers, San Jose, Calif.
Aero Gage Co., 1410 Wrightwood Ave., Chicago.
Aero Pulverizer Co., 165 Broadway, New York.
Aero Works, Inc., 136 Liberty st., New York.
Aeroil Burner Co., Inc., 266-270 Hudson Ave., Union Hill, N. J.
Aeromarine Plane & Motor Co., aeroplanes & supplies, Times Bldg., New York.
Aeromarine Plane & Motor Co., Keyport, N. J.
Aeroshade Company, The, Waukesha, Wis.
Aerovax Corp., radio apparatus, 343 Front, San Francisco, Calif.
Aetna Abrasive Co., 1436 W. Ohio St., Chicago.

AETNA BALL BEARING MFG. CO., 2743 High St., Chicago.
Pres.—E. F. Zitzewitz.
V. P.—Ellen H. Wood.
Sec. & Treas.—G. W. Nordstrum.

Aetna Brass Mfg. Co., 4800 Hamilton Ave., Cleveland, O.
Aetna Brick Co., Cohoes, N. Y.
Aetna Cabinet Co., bank fixtures, 321 W. Maryland, Indianapolis, Ind.
Aetna Engine Works, Menominee, Wis.
Aetna Explosives Co., Inc. See The Hercules Powder Co., Wilmington, Del.
Aetna Fire Brick Co., Oak Hill, O.

AETNA FOUNDRY & MACHINE CO., Warren, O.

Aetna Graphite Co., Cleveland Ave., Columbus, O.
Aetna Life Insurance Co., Hartford, Conn.
Aetna Machinery Co., The, 25 Church St., New York.
Aetna Marble Co., Inc., interior marble work, 976-8 9th Ave., Astoria, L. I., N. Y.
Aetna Marble Co., 322 W. Ave. 33d, Los Angeles, Calif.
Aetna Nut Co., Southington, Conn.
Aetna Paper Co., Columbia & Cincinnati St., Dayton, O.
Aetna Plating Works, 126 S. Clinton Ave., Chicago, Ill.
Aetna Portland Cement Co., 412 U. T. Bldg, Detroit, Mich.
Aetna Rubber Co., gloves, rubber, 315 E. 78th, Cleveland, O.
Aetna Sand & Gravel Co., 7159 Normal, Chicago, Ill.
Aetna Screw Corp., Jackson, Mich.
Aetna Steel Products Co., 30 Church St., New York.
Affleck, Geo. E., 116 Nassau, New York.
Affleck Ruling & Stationery Co., Inc., Holyoke, Mass.
Agar, C. A., & Co., cardboard mfrs., 167 41st, Brooklyn, N. Y.
Agar Mfg. Corp., Bush Terminal, Brooklyn, N. Y.
Agar Provision Co., meat packers, 310 N. Green, Chicago, Ill.

Agard Hardware Co., Torrington, Conn.
Agate Granite Co., St. Cloud, Minn.
Agatine Shoe Hook & Eyelet Co., 258 Norfolk, Newark, N. J.
Agawam Chemical Works, acids, Grosvenor Bldg., Providence, R. I.
Agawam Co., woolen flannels, Agawam, Mass.
Agee Canning Co., Baldwin Station, Va.
Agee Screen Co., Ft. Worth, Tex.
Ager, C. Leonard J., paper, Lyonsdale, N. Y.
Agner, D. B., flour mills, Warm Springs, Va.
Agner, Raymond C., Co., wrenches, grease guns & cups, Burlington, Wis.
Agnew Electric Welder Co., Milford, Mich.
Agnew Hardware Co., Hewelt at viaduct, Everett, Wash.
Agnew, O. L., fertilizer, Canon, Ga.
Agoos Leather Co., 146 Boston, Lynn, Mass.
Agoos, S. T., Tanning Co., leather, 145 South, Boston, Mass.
Agricultural Chem. Wks., 901 Macy, Los Angeles, Calif.
Agricultural Lime & Compost Co., fertilizer, 485 California, San Francisco, Calif.
Agrippa Mfg. Corp., 149 Broadway, New York.
Ahedo, E., shelf brackets, display fixtures, etc., 1157 Folsom, San Francisco, Cal.
Ahern & Welch Co., contrs., 721 Main, Hartford, Conn.
Ahern Construction Co., Willimantic, Conn.
Ahl, Frank Z., Sheet Metal Works, Sacramento, Calif.
Ahlberg Bearing Co., 317-27 E. 29th St., Chicago.
Ahlberg, K. E., Co., kerosene tractors, 120 W. 22d, Los Angeles, Calif.
Ahlborn, Wm., Constr. Co., contrs., Hammond, Ind.
Ahlbrand Carriage Co., Seymour, Ind.
Ahlers & Gregoire, coppersmiths, Louisville, Ky.
Ahlstrom, O. J., embroidery, sewing & plaiting machines, 711 Broadway, New York.
Ahlstrom Piano Co., Jamestown, N. Y.
Ahlswede, A. C., Mfg. Co., traveling bags, 638 E. 22d, Los Angeles, Calif.
Ahmay, G. L., & Son, contractors, 423 11th Ave., N. W., Washington, D. C.
Ahnapee Veneer & Seating Co., Algoma, Wis.
Ahrend & Son, Herman, 179 Van Buren St., Newark, N. J.
Ahrend Co., Inc., D. H., 52-58 Duane St., New York.
Ahrens & Otto Mfg. Co., 322 W. Main St., Louisville, Ky.
Ahrens, Claus & Co., contractors, Rutherford, N. J.
Ahrens-Fox Fire Engine Co., The, Colerain & Alfred, Cincinnati, O.
Aicher Machine Works, 1650 Stockton, San Francisco, Calif.
Aid Mfg. Co., Inc., auto lamps, 2625 Stewart Ave., Chicago, Ill.
Aiello Bros. & Co., canned goods, Highland, N. Y.
Aiello Construction Co., Gough & 4th, Baltimore, Md.
Aigner & Co., G. L., 521-523 W. Monroe St., Chicago.
Aiken Construction Co., Fargo, N. D.
Aiken-Lambert Co., 3 Dey St., New York.
Aiken, L. R., & Bro., lumber, Mount Pleasant, Ga.
Aiken Mills, sheetings, cotton, Bath, S. C.
Aiken, W. H., willowware mfrs., Liverpool, N. Y.
Aimone Mfg. Co., 430 E. 73d St., New York.
Ainge, P. T., Co., bank fixtures, 29th & Nicolai, Portland, Ore.
Ainsley, J. C., Packing Co., Campbell, Calif.
Ainslie Knitting Mach. Co., 740 Grand, Brooklyn, N. Y.
Ainslie Machine & Tool Works, 593 Capitol, Hartford, Conn.
Ainslie-Martin Co., whol. hdwe. & mills & factory supplies, Lynchburg, Va.
Ainsworth & Dunn, Securities Bldg., Seattle, Wash.
Ainsworth & Sons, Wm., 2151 Lawrence St., Denver, Colo.
Ainsworth, E., & Son Construction Co., 641 Ohio, Terre Haute, Ind.
Air Compressor & Equipment Co., 46 Natoma, San Francisco, Calif.
Air Cooled Burner Co., Chehalis, Wash.
Air Friction Carburetor Co., The 400½ E 1st St., Dayton, Ohio.
Air-Oil Burner Co., 909 H St., N. W. Washington, D. C.
Air Reduction Sales Co., gas apparatus mfrs., 342 Madison, New York.
Air-Tight Steel Tank Co., Mansion and Gloster Sts., Pittsburgh, Pa.
Air-Way Electric Appliance Corp., 618 Broadway, Toledo, O.
Aird-Don Co., Troy, N. Y.
Aireys Packing Co., canned goods, Aireys, Md.
Aitcheson, J. & H., mchst. & fdrs., Alexandria, Va.
Aitken, David R., stone producers, Memphis, Tenn.
Aitkin & Bebbington, steel struct. work, Trenton, N. J.
Aitkin-Kynett Co., advtg. counsellors, 1516 Chestnut, Philadelphia, Pa.
Ajax Battery Co., 53 Central Ave., Passaic, N. J.
Ajax Electric Co., radio rheostats, Palmer, Cambridge, Mass.
Ajax Electric Specialty Co., 1011 Market St., St. Louis, Mo.
Ajax Electrothermic Corp., The, 636 E. State St., Trenton, N. J.
Ajax Enameling & Foundry Co., Battle Creek, Mich.
Ajax Fire Engine Works, Bush Terminal Building Ten, Brooklyn, N. Y.
Ajax Flexible Coupling Co., Westfield, N. Y.
Ajax Forge Company, 2503 Blue Island Ave., Chicago. (See Ramapo Ajax Corp., Hillburn, N. Y.)
Ajax Foundry Co., Anniston, Ala.
Ajax Foundry Co., gray iron castings, 58-60 Clementian, San Francisco, Calif.
Ajax Hardware Mfg. Co., 854 Ellicott St., Buffalo, N. Y.
Ajax Iron Works, iron forgings, 1709 Blake, Denver, Col.
Ajax Iron Works, steam engines, Corry, Pa.
Ajax Lubricating Co., 108 S. LaSalle, Chicago, Ill.
Ajax Mfg. Co., 3830 Lakeside Ave., Cleveland, O.
Ajax Mfg. Co., tube expanders, boring machines, etc., 848 Jackson, Pittsburgh, Pa.
Ajax Manufacturing Co., 848 Jackson St., Pittsburgh, Pa.

AJAX METAL CO., THE, Frankford Ave. and Richmond St., Philadelphia, Pa.
Chairman & Treas.—J. R. Nelson.
Pres. Sec. & Gen. Mgr.—G. H. Clamer.
1st V. P. & Sales Mgr.—W. J. Coane.
2nd V. P. & Wks. Mgr.—C. F. Hopkins.
Boston, Mass.—901 Scollay Bldg., F. M. Willeson.
Chicago—1410 Borland Bldg., John G. Miller.
Cleveland, O.—429 Schofield Bldg., Zeno D. Barns.
New York—3911 Woolworth Bldg., A. MacDougall.
St. Louis, Mo.—Commercial Trust Bldg., Joseph S. Miller.

Ajax Oil & Grease Co., 946 8th, New York.
Ajax Rope Co., Inc., 149 Broadway, New York.
Ajax Rubber Co., Inc., 220 W. 57th St., New York.

AJAX TANK & TOWER CO., General Office & Factory, 1450 W. 38th st., Chicago.
Pres.—J. Walter Ketler.

A

Ajax Trunk & Sample Case Co., 6 La Salle st., New York.
Akar Ignition Co., ignition apparatus, 149 W. Berkley, Philadelphia, Pa.
Akerlund & Semmes, Inc., 30 E. 42nd st., New York.
Akers & Harpham Co., cornices & skylights, 200 E. Mill, Akron, O.
Akers, Wm., Jr., Co., oil circulation thermometers, 10th & Filbert, Philadelphia, Pa.
Akersville Roller Mill Co., flour, Akersville, Ky.
Akin-Erskine Milling Co., flour, 300 5th Ave., Evansville, Ind.
Akin, W. F., canned goods, Galena, Mo.
Akins Inc., B. L., 118 W. 43rd St., New York.
Akrit Thermometer Co., 308 Terrace, Buffalo, N. Y.
Akro Agate Co., playing marbles, Clarksburg, W. Va.
Akron Barrow Co., The, 3140 E. 65th St., Cleveland, O.
Akron Belting Co., Akron, O.
Akron Brass Mfg. Co., The, Wooster, O.
Akron Coal Co., N. O. T. & L., Akron, O.
Akron Cultivator & Mfg. Co., The, Akron, Ohio. (Now Akron Barrow Co., Cleveland, O.)
Akron Equipment Co., rubber tire machy. & molds, Exchange & Annadle, Akron, O.
Akron Gear & Engineering Co., South & High sts., Akron, O.
Akron Lamp Co., The, Akron, O.
Akron Mattress Mfg. Co., Miami St., Akron, Ohio.

AKRON METALLIC GASKET CO., 142 N. Union st., Akron, O.

Akron Pigment Co., S. High, Akron, O.
Akron Roofing Co., Akron, O.
Akron Rubber Mold & Machine Co., The, 917 Sweetzer av., Akron, O.
Akron Smoking Pipe Co., Mogadore, O.
Akron Soap Co., Cuyahoga St., Akron & Youngstown, O.
Akron Standard Mold & Machine Co., Englewood Ave., Akron, O.
Akron Steel Casting Co., 730 Carroll, Akron, O.
Akron Supply Co., masons' & builders' materials, 452 E. South, Akron, O.
Akron Varnish Co., Akron, O.
Alabama & Florida Lbr. Co., Noma, Fla.
Alabama Broom & Mattress Co., Huntsville, Ala.
Alabama Charcoal Co., 1303 Waldheim Bldg., Kansas City, Mo.
Alabama Chemical Co., of Ala., Montgomery, Ala.

ALABAMA CLAY PRODUCTS CO., 600-614 Farley Bldg., Birmingham, Ala.

Alabama Co., Birmingham, Ala.
Alabama Cooperage Co., Calera, Ala.
Alabama Corn Mills Co., Mobile, Ala.
Alabama Cotton Mills, Speigner, Ala.
Alabama Dry Docks & Shipbuilding Co., Mobile, Ala.
Alabama-Georgia Syrup Co., canners, Montgomery, Ala.
Alabama Graphite Co., Ashland, Ala.
Alabama Hardware Co., Anniston, Md.
Alabama Machinery & Supply Co., Montgomery, Ala.
Alabama Marble Co., Gantts Quarry, Ala.
Alabama Oil & Guano Co., Opelika, Ala.
Alabama Pipe Foundry Co., Anniston, Ala.
Alabama Silica Products Co., Trussville, Ala.
Alabastine Co., 1645 Grandville St., S. W. Grand Rapids, Mich.
Aladdin Co., Bay City, Mich.
Aladdin Industries, Inc., 601 W. Lake St., Chicago.
Aladdin Products Co., dye soaps, 3252 W. Lake, Chicago, Ill.
Alameda Aluminum Foundry, 2417 Clement Ave., Alameda, Calif.
Alameda County Canning Co., 3d & Bancroft Way, Berkeley, Calif.
Alameda Engineering & Machine Works, 2326 Lincoln Ave., Alameda, Calif.
Alameda Sugar Co., Balfour Bldg., San Francisco, Calif.
Alamo Construction Co., San Antonio, Tex.
Alamo Engine Co., Hillsdale, Mich.
Alamo Iron Works, San Antonio, Tex.
Alamo Mfg. Co., mchsts. & fdrs., Hillsdale, Mich.
Alamo Mfg. Co., Newark, N. J.
Alamosa Flour Mills, Alamosa, Colo.
Alarka Lumber Co., Alarka, N. C.
Alart & McGuire Co., canned goods, 944 3d Ave., Brooklyn, N. Y.
Alaska Codfish Co., 10 Main St., San Francisco, Cal.
Alaska Fish Salting & By-Products Co., fertilizer mfrs., Concord Bldg., Portland, Ore.
Alaska Freezer Co., Winchenden, Mass.
Alaska Junk Co., Inc., scrap iron & metal, 116 Adams, Spokane, Wash.
Alaska Pacific Navigation Co., ship bldrs., Seattle, Wash.
Alaska Packers' Assn., 111 California, San Francisco, Calif.
Alaska Plumbing & Heating Co., 363 E. Morrison, Portland, Ore.
Alaska Portland Packers' Assn., canned goods, Yeon Bldg., Portland, Ore.
Alaska Pulp & Paper Co., 110 Sutter, San Francisco, Calif.
Alaska Refrigerator Co., Muskegon, Mich.
Alaska Salmon Co., 112 Market St., San Francisco, Cal.
Alaska Sanitary Packing Co., canned goods, Seattle, Wash.
Alaska Treadwell Gold Mining Co., San Francisco, Calif.
Alba Mfg. Co., Aurora, Ill.
Albach, Theo., cornices, 335 E. 133d, New York.
Albaud, John, cornices, Streator, Ill.
Albano Mfg. Co., shoe blacking, Trenton, N. J.
Albany Billiard Ball Co., Albany, N. Y.
Albany Boat Corp., motor boats, Watervliet, N. Y.
Albany Brass Foundry, Albany, N. Y.
Albany Canning Co., Albany, Wis.
Albany Car Wheel Co., P. O. Box 613, Albany, N. Y.
Albany Casket Co., Albany, N. Y.
Albany Chemical Co., 2-24 Broadway, Albany, N. Y.
Albany Cooperage, dealers in bags & barrels, 91 Franklin, Albany, N. Y.
Albany Felt Co., Albany, N. Y.
Albany Foundry Co., Albany, N. Y.
Albany Furn. Co., Dept. H, Albany, Ore.
Albany Hardware & Mill Supply Co., Albany, Ga.
Albany Hardware Specialty Mfg. Co., Albany, Wis.
Albany Iron Works, Albany, Ore.
Albany Knitting Co., sweaters, cardigans, etc., Albany, N. Y.
Albany Lumber & Planing Mill Co., Inc., Albany, N. Y.
Albany Lumber Co., Albany, Ore.
Albany Malleable Iron Co., Voorheesville, N. Y.
Albany Mill Supply Co., Albany, Ga.
Albany Paper Products Co., strawboard mfrs., Albany, Ind.
Albany Perforated Wrapping Paper Co., Albany, N. Y.
Albany Phosphate Co., Albany, Ga.
Albany Planing Mill, Albany, Ore.
Albany Sand & Supply Co., Albany, N. Y.
Albany Steam Trap Co., Albany, N. Y.
Albany Tanning Co., Albany, Ore.
Albany Warehouse Co., Albany, Ga.
Albardell Mills, The, Thomaston, Ala.
Albatross Metal Furniture Co., 715 Thurman, Portland, Ore.

ALBAUGH-DOVER MFG. CO., 122 Marshall Blvd., Chicago.

Albee & Godfrey Co., architectural iron, Stewart Ave., Brooklyn, N. Y.
Albemarle Pippin Products Corp., canned goods, Charlottesville, Va.
Albemarle Stove Co., Charlottesville, Va.
Alberene Stone Co., 153 W. 23rd St., New York.
Alberger Gas Engine Co., 281 Chicago, Buffalo, N. Y.
Alberger Heater Co., 281-289 Chicago St., Buffalo, N. Y.
Alberhill Coal & Clay Co., 208 W. 8th, Los Angeles, Calif.
Albers & Lorenz, mattresses, 635 E. Water, Milwaukee, Wis.
Albers Bros. Milling Co., flour, etc., foot Massachusetts, Seattle, Wash.; 736 Santa Fe Ave., Los Angeles, Calif., and Front and Broadway, Portland, Ore.
Albers Olive Co., Riverside, Calif.

ALBERT & DAVIDSON PIPE CORP., 256-264 Oakland, Brooklyn, N. Y.

Albert & Son, L., N. Olden & R. R., Trenton, N. J.
Albert & Fischer Hardware & Sheet Metal Co., 2524 S. 7th, St. Louis, Mo.
Albert Furn. Co., Dept. H, Shelbyville, Ind.
Albert Gas Fixture Co., 136 E. 41st, New York.
Albert Lea Sprayer Co., pumps, etc., Albert Lea, Minn.
Albert Lea Tractor & Mfg. Co., Albert Lea, Minn.
Alberta Knitting Mills, bathing suits, 22d & Lehigh, Philadelphia, Pa.
Alberta Rolling Mills Co., Ltd., Medicine Hat, Alberta, Can.
Alberts, W. E., & Son, contractors, 367 Lehigh Ave., Pittsburgh, Pa.
Albertson & Co., Inc., valve grinders, Sioux City, Ia.
Albertson & Co., W. M., 425 E. Water St., Milwaukee, Wis.
Albertype Co., advtg. post cards, 250 Adams, Brooklyn, N. Y.
Albey Bros., straw, binders & boxboards, 149 Meeker Ave., Newark, N. J.
Albia Packing Co., meat, Albia, Ia.
Albina Engine & Mach. Works, ship builders, 28 Albina, Portland, Ore.
Albina Marine Iron Works, Lewis & Loring St., Portland, Ore.
Albinson Construction Co., contrs., 302 5th Ave., Minneapolis, Minn.
Albion Bangor Slate Co., Wind Gap, Pa.
Albion Chemical Works, soap, Albion, Mich.
Albion Foundry Machine Co., Albion, Mich.
Albion Lumber Co., Hobart Bldg., San Francisco, Cal.
Albion Malleable Iron Co., Albion, Mich.
Albion Mfg. Co., asbestos materials, Provident Bldg., Tacoma, Wash.
Albion Mfg. Co., 709 1st St., Seattle, Wash.
Albion Medina Stone Co., Albion, N. Y.
Albion Milling Co., flour, Albion, Mich., & Albion, Neb.
Albion Shale Brick Co., Albion, Ill.
Albion Superior Slate Co., Wind Gap, Pa.
Albion Trading Co., Inc., 132 Nassau St., New York.
Albion Vein Slate Co., Bangor, Pa.
Albion Vitrified Brick Co., Albion, Ill.
Albion Wood & Metal Products Co., Inc., boards, clothes driers, ladders, etc., Albion, N. Y.
Albrecht, Francis J., heaters and oven bldrs., etc., 1146 Penn Ave., Pittsburgh, Pa.
Albrecht, Frederick, wooden kegs, Pratt and Smallwood, Baltimore, Md.
Albrecht Sons Hardware Co., 230 W. Jefferson St., Louisville, Ky.
Albright & Shenton, textile machinery supplies, Reading, Pa.
Albright, A. A., & Son, contractors, 315 N. 14th, Allen-
Albright, A., & Sons, flour mills, Elgin, Ky.
town, Pa.
Albright Aerating Filter Co., cistern filters, Muncie, Ind.
Albright, C. S., contractors, 5910 Hollywood, Los Angeles, Calif.
Albright Ignition Co., Columbus, O.
Albright, J. E., Co., playing marbles, Ravenna, O.
Albright, J. H., & Sons, agricultural implements, Mifflinsburg, Pa.
Albright Mfg. Co., Rural Hall, N. C.
Albright Son & Co., 123 N. Front St., Allentown, Pa.
Albro-Clem Elevator Co., D & Erie Sts., Philadelphia, Pa.
Albuquerque Fdry. & Machine Wks., Albuquerque, N. M.
Albuquerque Lumber Co., Albuquerque, New Mexico.
Alcatraz Co., 3200 Williamsburg Ave., Richmond, Va.
Alcazar Range & Heater Co., 1st & Cleveland Sts., Milwaukee, Wis.
Alcazar Range & Heater Co., stoves, 405 Lexington Ave., New York.
Alco Foundry & Machine Co., barn-door hangers and tracks, Hillsdale, Mich.
Alcock, John L., & Co., lumber mfrs., Munsey Bldg., Baltimore, Md.
Alcohol Products Co., chemical mfrs., Newark, N. J.
Alcott, H., & Co., contractors, 274 Wakelee Ave., Ansonia, Conn.
Alcott, W. K., & Co., hardwood doors and sash, door and blind mfrs., 52d and Lancaster, Philadelphia, Pa.
Alcus & Co., Ltd., S. T., New Orleans, La.
Aldag Paint & Varnish Co., 426 E. Washington St., Indianapolis, Ind.
Alden & Judson, mill and factory supplies, Grand Rapids, Mich.
Alden Coal Co., anth. coal mines, Mauch Chunk, Pa.
Alden Lime Co., Clinton, Ia.
Alden Lime Co., Fulton, Ill.
Alden Mills, The, New Orleans, La.
Alder, Benj. S., Co., whol. hdwe., 45 Warren, New York.
Alder Chemical Co., carriage top dressing, Mount Vernon, N. Y.
Alderfer Bros. Co., Peoria, Ill.
Alderfer Co., crates, Sharon Center, O.
Alderman & Sons Co., D. W., Alcolu, S. C.
Alderman, J. W., lumber, Tarpon Springs, Fla.
Alderman, Wm., lumber, Gresham, Wis.
Alderson Sheet Metal Prod., 919 8th, Sacramento, Calif.

ALDOBILT COMPANY, 111 W. Jackson Blvd., Chicago

New York—50 Church St.
St. Louis, Mo.—Frisco Bldg.
Factory—Hammond, Ind.

ALDON COMPANY, THE, 3338-40 Ravenswood Ave., Chicago.

Pres.—E. W. K. Roe.
V. P.—C. V. Roe.
Secy.—G. V. Johnston.
Asst. Mgr.—Willis E. Roe.
Distributors:
LA.—New Orleans—Frank Davies.
N. Y.—New York—Track Specialties Co., 29 Broadway, Whitehall 0558.
WASH.—Seattle—Seattle Frog & Switch Co., L. C. Smith Bldg., Elliott 0376.
CAN.—Montreal—F. H. Hopkins & Co., Ltd.
CUBA—Havana—American Steel Co.
MEX.—Mexico City—Eagle Mfrs. Sales Co.

Aldrich, B. W., & Co., snow shovels, Wallingford, Vt.
Aldrich, Elbert, cornices, Poughkeepsie, N. Y.
Aldrich Mfg. Co., 57 Illinois St., Buffalo, N. Y.
Aldrich Paper Co., Natural Dam, N. Y.
Aldrich Paper Co., Watertown, N. Y.
Aldrich Publishing Co., trade publications, 6 E. 39th, New York.
Aldrich Pump Co., The, 119 S. 17th st., Allentown, Pa.
Aldridge Lumber Co., Aldridge, Tex.
Aleen, M. W., Construction Co., Walpole, Mass.
Alemite Die Casting & Mfg. Co., 2640 Belmont Ave., Chicago.
Alert Mills, buckwheat flour, Fountain City, Wis.
Alert Pipe & Supply Co., Bay City, Mich.
Alert Plumbing Supply Co., 788 Seneca, Buffalo, N. Y.
Alert Tool Company, 237-241 N. 6th St., Philadelphia, Pa.
Alert Wire & Iron Works Co., 2001-3 Maybury Grand Ave., Detroit, Mich.
Alexalite Co., The (Electric Light Fixtures), 432 E. 23rd St., New York.
Alexander & Bland, lumber, Lumpkin, Ga.
Alexander & Cox Co., confectioners' machinery, vises, etc., 2358 Ogden, Chicago, Ill.
Alexander & Garsed, W. 3rd st., Charlotte, N. C.
Alexander & Lavenson Elec. Supply Co., 138 2nd St., San Francisco, Calif.
Alexander & Reid Co., tile & mosaic floors, 355 W. 36th, New York.
Alexander, A. R., cornices, 123 Center, Portland, Me.
Alexander, Aaron, rural mail boxes, Newfield, N. Y.
Alexander Bros., Belzoni, Miss.
Alexander Bros., contractors, Williamson Bldg., Cincinnati, O.
Alexander Bros. Co., overalls, Savannah, Ga.
Alexander Bros. Lumber Co., Union Trust Bldg., Cleveland, O.

ALEXANDER BROTHERS, INC., 14 South St., Philadelphia, Pa.

Pres. & Gen. Mgr.—R. M. Pindell, Jr.
V. P.—R. F. Holden, M. C. Weimer.
Sec. & Treas.—C. B. Eldridge.
Sales Mgr.—B. O. Payne.
Branch Offices:
Charlotte, N. C.—G. G. Slaughter.
Chicago—H. G. Watson.
Cleveland, O.—J. T. Bolton.
Detroit, Mich.—J. T. Bolton.
Grand Rapids, Mich.—T. W. Dunn.
New York—A. R. King.
San Francisco, Cal.—C. P. Englehart.
Seattle, Wash.—C. P. Englehart.
Distributors:
CALIF.—Los Angeles—Fairbanks-Morse & Co.
San Francisco—Fairbanks-Morse & Co., Spear & Harrison, Douglas 3585.
COLO.—Denver—M. J. O'Fallon Supply Co.
CONN.—Hartford—L. L. Ensworth & Son.
New Haven—Page, Steele & Flagg Co.
Stamford—Stamford Mason's Supply Co.
DELA.—Wilmington—Delaware Electric & Supply Co.
FLA.—Miami—Bailey-Miiam Hdwe. Co.
GA.—Atlanta—Fulton Supply Co.
ILL.—Chicago—Advance Packing & Supply Co., 808 W. Washington Blvd., Haymarket 8040.
Geo. B. Carpenter & Co., 436 N. Wells St., Franklin 6000.
Central Tool & Supply Co.
Clinton Supply Co., 110 S. Clinton St., Main 5064.
Factory Supply Co., 40 E. Kinzie St., State 8006.
Fairbanks, Morse & Co., 900 S. Wabash Ave., Harrison 7100.
Great Lakes Supply Co., 3217 E. 92nd St., South Chicago 7600.
Samuel Harris & Co., 114 N. Clinton St., Main 2467.
Harris Brothers Co., W. 35th & Iron Sts., Lafayette 1900.
Hopkins-Benedict Co., 549 W. Washington Blvd., Dearborn 7474.
Vaugh A. Houghton & Co., 566 W. Washington Blvd., Main 2993.
McNevin Supply Co., 167 N. Jefferson St., Franklin 1962.
Maguire Rubber Co., 109 E. So. Water St., Central 4691.
Seehausen, Wehrs & Co., 566 W. Randolph St., Franklin 0660.
Stebbins Hdwe. Co., 15 W. Van Buren St., Harrison 8400.
R. R. Street & Co., Inc., 28 N. Clinton, Franklin 3450.
Warren Corning & Co., 253 N. Western Ave., West 6840.
Woodworkers Tool Works, 222 S. Jefferson St., Haymarket 1669.
Freeport—Freeport Hardware Co.
Peoria—E. M. Smith & Co.
Rockford—Sword Brothers Co.
IND.—Indianapolis—Indianapolis Belting & Supply Co.
IA.—Davenport—Louis Hansson's Sons.
KY.—Louisville—Standard Sanitary Mfg. Co.
ME.—Crisfield—Bradshaw-Sneads Co.
MASS.—Boston—Lewis E. Tracy Co., 127 Broad, Congress 1836.
Fall River—George T. Collins.
Springfield—Charles Millar & Son Co.
MICH.—Bay City—Alert Pipe & Supply Co.
Detroit—Charles A. Strelinger Co., 149 E. Larned, Cadillac 7080.
Grand Rapids—Barclay, Ayers & Bertsch Co.
Kalamazoo—Edwards & Chamberlain Hardware Co.
Menominee—Northern Hardware & Supply Co.
Sault Ste. Marie.—Soo Hardware Co.
MINN.—Minneapolis—Power Equipment Co.
St. Paul—Robinson, Cary & Sands Co.
MO.—Kansas City—H. R. Williams Mill Supply Co., 103 Mass., Main 3233.
St. Louis—Goodyear Rubber Co., 1103 Washington, Main 2581.
NEB.—Lincoln—Western Supply Co.
N. J.—Atlantic City—Currie Company.
Bridgeton—F. E. Esbill.
Newark—Ludlow & Squier.
Paterson—Benjamin Eastwood Co.
Perth Amboy—W. H. McCormick & Sons, Inc.
Vineland—Keteks' Hardware Co.
N. Y.—Binghamton—Charles Millar & Son Co.
Buffalo—Buffalo Mill Supply Co., 210 Main, Seneca 1561.

(Continued on following page)

ALEXANDER BROTHERS, INC.—Continued.
Elmira—Horton Machine Works, Inc.
Newburgh—Smith-Stewart Co.
New York—W. J. Kingsland & Co., Inc., 24 State, Bowl Grn. 5770.
Schenectady—Clark Witbeck Co.
Utica—Charles Millar & Son Co.
N. C.—Thomasville—T. J. Finch & Brother.
OHIO.—Cincinnati—Wirthlin-Mann Co.
Cleveland—Strong, Carlisle & Hammond Co.
Dayton—M. D. Larkin Co.
St. Marys—Jasperson Supply Co.
Toledo—Coghlin-Kirby Machy. & Sup. Co.
Zanesville—Triangle Engineering Co.
PA.—Allentown—Allentown Reed Harness & Mill Sup. Co.
Bradford—Bradford Supply Co.
Hanover—Hanover Hardware Co.
Harrisburg—Henry Gibert & Son.
Lancaster—Reilly Brothers & Raub.
Montgomery—Montgomery Supply Co.
Norristown—Benj. Quillman Hdwe. Co.
Philadelphia—Sees & Faber Co., 2008 N. Front, Columbia 8530.
Phoenixville—Benjamin Hardware Co.
Reading—Bright & Co.
Scranton—Bittenbender Co.
Williamsport—E. Keeler Co.
York—Fulton, Mehring & Hauser Co., Inc.
S. C.—Charleston—Bailey, Lebby Co.
TENN.—Memphis—L. P. Brown Co.
Knoxville—C. M. McClung & Co.
UTAH—Salt Lake City—Galigher Machy Co.
WASH.—Seattle—Steam Supply & Rubber Co.
W. VA.—Charleston—Baldwin Supply Co.
WIS.—Kenosha—Dewey Hardware Co.
Milwaukee—W. L. Deckert Co.

FOREIGN—
CAN.—Winnipeg, Man.—Stanley Brook, Ltd.
CUBA—Havana—Ellis Brothers.

Alexander Car Replacer Mfg. Co., The, Mears Bldg., Scranton, Pa.
Alexander City Cotton Mills, Alexander City, Ala.
Alexander City Mfg. Co., lumber, Alexandria City, Ala.
Alexander Crossing Co., Clinton, Ill.
Alexander, G. M., lumber, Claypool, Ind.
Alexander, Geo. E., & Son, handles, rakes, garden or lawn, etc., Sunapee, N. H.
Alexander, Geo. F., Lumber Co., 257 Main, Springfield, Mass.
Alexander, H. N., & Sons, lumber, Greenville, Miss.
Alexander, H. T., & Co., jobbers, oils, 17 Battery Pl., New York.
Alexander, J. M., & Co., mill and factory supplies, Atlanta, Ga.
Alexander, James, Construction Co., 388 N. Front, Memphis, Tenn.
Alexander, Lester F., & Co., contrs., New Orleans, La.
Alexander Lumber Co., Champaign, Ill.
Alexander Lbr. Co., 20 W. Jackson Blvd., Chicago.
Alexander, M., sash, door & blind mfrs., Joliet, Ill.
Alexander Mfg. Co., garden plows, Ames, Ia.
Alexander Mirroscope Co., Riverdale Ave., New York.
Alexander Molasses Co., canned goods, 614 W. Austin Ave., Chicago, Ill.
Alexander, Roman, furniture, 197H Island Ave., E., Minneapolis, Minn.
Alexander, Shumway & Utz Co., contractors, 16 State, Rochester, N. Y.
Alexander, W. H., stencil cutting machinery, 40 Hudson, New York.
Alexander, Warren, billiard & pool tables, 607 Main, Worcester, Mass.
Alexander, Wilbur, contrs., 40 Maple Ave., Albany, N. Y.
Alexander Window-Ventilator Mfg. Co., Spartanburg, S. C.
Alexandria Cooperage & Lbr. Co., Alexandria, La.
Alexandria Fertilizer & Chemical Co., Alexandria, Va.
Alexandria Halter Factory, Alexandria, O.
Alexandria Iron Works, mchsts. & fdrs., Alexandria, Va.
Alexandria Iron Works, Evans Bldg., Washington, D. C.
Alexandria Lbr. Co., Ltd., Alexandria, La.
Alexandria Oar & Handle Co., Alexandria, La.
Alexandria Paper Co., Alexandria, Ind.
Alexandria Preserving Co., canned gds., Alexandria, Ind.
Alexius Bros. & Co., brick, Covington, La.
Alfalfa Products Co., meal, Sunnyside, Wash.
Alford & Hansen—see Mahannah & Alford (successors).
Alford Mfg. Co. (Saw & Planing Mill), Ackerman, Miss.
Alford Motor & Machine Co., Goshen, Ind.
Alfred Clay Co., terra cotta roofing tile, Alfred Station, N. Y.
Alger, Smith & Co., lumber, 1st National Bank Bldg., Detroit, Mich.
Alger-Sullivan Lbr. Co., Century, Fla.
Algie, Robt. J., crushed stone, 204 W. 82d, New York.
Algiers Saw & Planing Mill, 429 Patterson, New Orleans, La.
Algoma Coal & Coke Co., Algoma, W. Va.
Algoma Foundry & Machine Co., Algoma, Wis.
Algoma Lumber Co., Algoma, Ore.

ALGOMA PANEL CO., Mill & River Sts., Algoma, Wis.
Pres.—M. W. Perry.
Sec. & Gen. Mgr.—W. E. Perry.

Algoma Steel Corp., Sault Ste. Marie, Canada.
Algona Brick & Tile Works, Algona, Ia.
Algonite Stone Mfg. Co., 4606 Chippewa, St. Louis, Mo.
Algonquin Electric Mfg. Corp., engine shields & igniters, Poughkeepsie, N. Y.
Algonquin Leather Co., North Woburn, Boston, Mass.
Algonquin Slate Products Co., Worcester, Mass.
Alhambra Stucco Co., 430 11th, San Francisco, Calif.
Alhambra Tile Co., Newport, Ky.
Alhorn & Waller, brick, Morganfield, Ky.
Alice Cotton Mills, sheetings, Easly, S. C.
Aliceville Oil & Mfg. Co., Aliceville, Ala.
Alkahn Silk Label Co., 116 W. 32d, New York.
All-American Truck Co., The, 2243 S. Michigan Ave., Chicago.
All-In-One Plumbing Fixture Corp., bathtubs, sinks, etc., Auburn Blvd., Sacramento, Calif.
All-Paper Box Co., 125 S. 8th, St. Louis, Mo.
Allaire, P., contractors, Bristol, Conn.
Allan, A., & Son, babbitt metal mfrs., 6th and Bergen, Harrison, N. J.
Allan-Diffenbaugh Wrench & Tool Co., Baraboo, Wis.

ALLAN MFG. & WELDING CO., INC., 728 Washington St., Buffalo, N. Y.
Pres.—Robert Siemer.
Sec. & Treas.—A. H. Yohannan.

Allbee, Geo. B., Co., steam fitters' supplies, Bellows Falls, Vt.
Allbestos Corp., Belfield Ave. & Fisher's Lane, Philadelphia, Pa.
Allbright-Nell Company, 5315 Western Ave., Chicago.
Allegan Brick Co., Allegan, Mich.
Allegan Foundry & Mach. Co., Allegan, Mich.
Allegany Window Glass Co., Port Allegany, Pa.
Alleghany Ore & Iron Co., Buena Vista, Va.
Alleghany Valley Brick Co., Olean, N. Y.
Allegheny Box Co., 601 Byrd, Richmond, Va.
Allegheny College, engng. school & coll., Meadville, Pa.
Allegheny Forging Co., Keenan Bldg., Pittsburgh, Pa.
Allegheny Fdry. & Machine Co., Glassmere, Pa.
Allegheny Foundry Co., Inc., Behan & Galveston Sts., Pittsburgh, Pa.
Allegheny Gear Works, 1001 Chateau St., Pittsburgh, Pa.
Allegheny Lumber Co., Ferguson Bldg., Pittsburgh, Pa.
Allegheny Milling Co., flour, Covington, Va.
Allegheny Ore and Iron Co., Buena Vista, Va.
Allegheny Plate Glass Co., Glassmere, Pa.
Allegheny Slag Products Co., brick, Buena Vista, Va.
Allegheny Steel Band Co., see American Steel Band Co. (successors).

ALLEGHENY STEEL COMPANY, Brackenridge, Pa.
Pres.—H. E. Sheldon.
V. P.—Lewis W. Hicks, J. O. Carr, C. C. Henderson.
V. P. & Treas.—Robert D. Campbell.
Sec. & Auditor—Frank H. Stephens.
Chicago—B. E. Eudy.
Detroit, Mich.—252 General Motors Bldg., J. Allan Armstrong.
New York—501 Fifth Ave., Chandler & Floyd, Inc.

Allegheny Steel Co., machinists & founders and rolling mills, Oliver Bldg., Pittsburgh, Pa.
Allegheny Steel Tank Car Co., Warren, Pa.
Allegheny Valley Brick Co., Olean, N. Y.
Allegretti Mfg. Co., razor strops, Geneva, N. Y.
Allen & Bailey Tag Co., Caledonia, N. Y.

ALLEN & BILLMYRE CO., INC., Grand Central Palace, New York.

Allen & Company, 11-13 Vandewater St., New York.
Allen & Co., E. Philip, Atlantic City, N. J.
Allen & Co., Inc., S. L., 5th & Glenwood, Philadelphia, Pa.
Allen & Co., T. B., Galveston, Tex.
Allen & Curtiss Co., boring tools, Benton Harbor, Mich.
Allen & Fell, cornices, Wilkes-Barre, Pa.
Allen & Garcia Co., contractors, 21 E. Van Buren, Chicago, Ill.
Allen & Hinckle, brick & tile, Royalton, O.
Allen & Jennison Co., Tuscaloosa, Ala.
Allen & Kendall, furniture, Ennis, Texas, Dept. H.
Allen & Moore Canning Co., Blades, Del.
Allen & Nelson Mill Co., Monahan, Wash.
Allen & Reed (Inc.) 178 Dorrance St., Providence, R. I.
Allen & Son Co., sash cord & sash chain fastener mfrs., 904 Main, Hartford, Conn.
Allen, A., & Co., mchsts., 2001 Carpenter, Phila., Pa.
Allen "A" Company, The, Kenosha, Wis. (Hosiery & Underwear)
Allen, A. A., Fall River, Mass.

ALLEN AIR-TURBINE VENTILATOR CO., 1338 Eighth st., Detroit, Mich.
Representatives:
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FLA.—St. Petersburg—M. M. Hutton, 506 8th Ave., S.
ILL.—Chicago—W. K. Abernethy, 1st National Bk. Bldg., Central 5468.
IND.—Indianapolis—Weinshank & Fenstermaker, 821 Hume-Mansur Bldg., Main 0511.
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Grand Rapids—Glenden A. Richards Co., Winter & Blumrich Sts., Bell—M. 3023, Citizens —4176.
Kalamazoo—Kalamazoo Sheet Metal Mfg. Co., Phone 151-J.
Saginaw—H. W. Sullivan, 1622 N. Michigan St.
MINN.—Minneapolis—D. T. Wallace, 802 Metropolitan Life Bldg., Atlantic 4888.
MONT.—Billings—C. O. Myers.
N. Y.—Buffalo—A. J. Abels Co., 37 Chandler St., Seneca 0283.
New York—Wm. B. Wreaks, 603-505 Fifth Ave., Vanderbilt 3771.
O.—Akron—Kasch Roofing Co., 26 S. Canal St.
Cincinnati—Wm. R. Kull, 230 Ludlow St., Main 5544.
Cleveland—W. C. Rayner, 1606-308 Euclid Ave., Main 4432.
Dayton—Fiske Sheet Metal Works, 327 E. Third St., Main 209.
Toledo—R. J. Saile, 116 Michigan St., Adams 3049.
PA.—Erie—Warren Co., 411 E. Tenth St., Mutual Phone 22-813.
Philadelphia—Champion Sales Co., 1537 Chestnut St., Spruce 3432.
R. I.—Providence—Harry F. Coleman, 152 Taber Ave., Angell 3947.
TENN.—Chattanooga—Monahan & Mills, 1226 James Bldg., Main 2679.
TEX.—Dallas—C. C. Carson, 303 N. Texas Bldg., Phone Y-4960.

Allen, Albert, machinist, Livermore Falls, Me.
Allen, Alex., vacuum cleaners, 426 Pearl, Buffalo, N. Y.
Allen Anti-Rust Paint Co., 117 Government Pl., Covington, Ky.
Allen Auto Specialty Co., The, 16-24 W. 61st St., New York.
Allen, B. F., lumber, Tiro, O.
Allen, B. F., machinery dealers, 104 S. Clinton, Chicago, Ill.
Allen, B. L., & Co., agricultural implements, 5th & Glenwood, Philadelphia, Pa.
Allen, Bona, collars, Buford, Ga.
Allen-Bradley Co., 286 Greenfield Ave., Milwaukee, Wis.
Allen Bros., 17 Cornhill, Boston, Mass.
Allen Bros., machinists & founders, Elkader, Ia.
Allen Chair Co., Concord Junction, Mass.
Allen, Charles L., Pequabuck, Conn.
Allen, Chas. M., excelsior, Fulton, N. Y.
Allen, Clement E., meat packers, Media, Pa.
Allen Co., accelerators, 23-25 Broadway, Camden, N. J.
Allen Co., Chas. G., Barre, Mass.

ALLEN CO., JOHN F., 370 Gerard av., New York.

Allen Co., Inc., L. B., 4745 N. Lincoln St., Chicago.
Allen Cone Co., The, P. O. Box 299, El Paso, Tex.
Allen Crucible Co., 714 50th Ave., East Oakland, Cal.
Allen, D. C., & Co., corn. & skylights, Coldwater, Mich.
Allen, D. S., knives, oyster & clam, Port Lavaca, Tex.
Allen, David E., mchsts. & fndrs., Yonkers, N. Y.
Allen Die Block Co., shoe machinery, Haverhill, Mass.
Allen-Doane & Co., stencils, 29 Cornhill, Boston, Mass.
Allen, E. H., Co., exhaust fans, blowers, etc., 23 Dorrance, Boston, Mass.
Allen, E. Philip, & Co., mill & factory supplies, Atlantic City, N. J.
Allen-Eaton Panel Co., 181 Mallory St., Memphis, Tenn.
Allen, Edmund A., whol. lumber, 133 W. Washington, Chicago, Ill.
Allen, Elwood, Lumber Co., Trenton and Ann, Philadelphia, Pa.
Allen Engineering & Mfg. Co., dust collecting systems, ventilators, etc., Dept. H, Savannah, Ga.
Allen Engineering & Contr. Co., Netcong, N. J.
Allen Engineering Co., 55th & Market Sts., Philadelphia, Pa.
Allen, F. B., machst. & fndrs., Salt Lake City, Utah.
Allen, F. H., machinist, Donaldsonville, La.
Allen Fire Dept. Supply Co., 159 Aborn St., Providence, R. I.
Allen Filter Co., Toledo, O.
Allen Foundry, Adams, Mass.
Allen, Fred A., Sportsman's Specialty Co., duck calls, boat oars, Monmouth, Ill.
Allen, Geo. R., patterns & models, 1214 Chestnut, Philadelphia, Pa.
Allen, Geo. W., & Son, La Porte, Ind.
Allen Graphite Co., Inc., C. B., Ashland, Ala.
Allen, H. E., Co., Inc., insecticides, Carthage, N. Y.
Allen, H. R., & Co., lumber mfrs., Commerce Bldg., Columbus, Ohio.
Allen, Hy., chemical glasswe., 138 William, New York.
Allen Iron & Steel Co., 3d & Venango, Philadelphia, Pa.
Allen, Isaac A., Jr., arch. 100 Farmington Ave., Hartford, Conn.
Allen, J. & S., fish line mfrs., Walpole, Mass.
Allen, J. W., spokes, Scottville, Ky.
Allen, J. W., & Co., ice cream freezers, 116 N. Peoria, Chicago, Ill.
Allen, Jas. T., Contr. Co., 8106 Quincy av., Cleveland, O.
Allen, L. H., wire cloth, Amherst, Mass.
Allen, Lane & Scott, railroad statv., etc., 1211 Clover, Philadelphia, Pa.
Allen, Lester, cornices & skylights, 607 2nd, Spokane, Wash.
Allen Lime Co., Jesse, Burns, Tenn.
Allen Lumber & Box Co., Nashville, Ark.
Allen Lumber Co., Peoria, Ill.
Allen Lumber Co., contrs., etc., Donora, Pa.
Allen Lumber Co., sashes, doors & blinds, Barre, Vt.
Allen Lumber Co., Berlin, Wis.
Allen, McNerney & Co., horn hair pins, Attleboro, Mass.
Allen Machine Co., 1279 E. 3rd, Cleveland, Ohio.
Allen Machine Co., rubber machines, Erie, Pa.
Allen Machine Wks., Miamisburg, Ohio.
Allen Mfg. Co., horse collars, Lawrenceville, Ga.

ALLEN MFG. CO., THE, 133 Sheldon St., Hartford, Conn.

Allen Mfg. Co., 300 10th av., N., Nashville, Tenn.
Allen Mfg. Co., Shreveport, La.

ALLEN MFG. CO., W. D., Executive Offices and Warehouse: 201-211 N. Jefferson st., Cor. Lake st., Chicago.
Manufacturing Plant:
5650 W. Roosevelt rd., Chicago, Ill.
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Denver, Colo.—Colo. National Bank Bldg.
New Orleans, La.—410 Godchaux Bldg.
Salt Lake City, Utah.—204 Scott Bldg.
Boston, Mass.—224 State st.

Allen-Marshall Co., Ivan, Marietta & Forsyth Sts., Atlanta, Ga.
Allen Metal Works, L. D., 624 S. Michigan Ave., Chicago.
Allen Motor Co., The, 400 Dublin Ave., Columbus, O.
Allen, N. R., Sons Co., harness lthr., Kenosha, Wis.
Allen, Neyers & Co., cornices, Rock Island, Ill.
Allen, O. C., lumber, Knoblick, Ky.
Allen, Otis, & Son Co., lbr., Lowell, Mass.
Allen Packing Co., Collingswood, N. J.
Allen Paint & Putty Wks., 334 N. Ashland Ave., Chicago, Ill.
Allen Pitless Scale Co., mchsts. & fndrs., New Castle, Ind.
Allen Pressure System Co., Inc., 16-24 W. 61st St., New York.
Allen, Robt. T., shipping tags, Jackson, Mich.
Allen Shade Holder Co., Inc., 116 Washington, Boston, Mass.
Allen-Sherman-Hoff Co., Stock Exchange Bldg., Philadelphia, Pa.
Allen Smith Co., contractors, Niagara Falls, N. Y.
Allen Sons Co., Wm., 65 Green St., Worcester, Mass.
Allen-Sparks Gas Light Co., Lansing, Mich.
Allen Spool & Printing Co., tex. machy., supplies, etc., Mystic, Conn.
Allen Steel Co., Inc., Edgar, 718 W. Lake St., Chicago.
Allen, T. B., flour mills, Brundidge, Ala.
Allen, Thompson, contractors, Woodbury, N. J.
Allen Typewriter Co., 146 N. 10th, Allentown, Pa.
Allen, W. H. & G. W., who. hdwe., 113 Market, Philadelphia, Pa.
Allen, W. H., Jr., steel structural dirs., 110 State, Boston, Mass.
Allen, W. M., Son & Co., contractors, Peoria, Ill.
Allen, Wm., architect, Kaysville, Utah.
Allen, Wm. A., Co., lbr., 28 Ocean Ave., Portland, Me.
Allen, Walter E., contrs., 1465 Washington blvd., Baltimore, Md.
Allen Wrench & Tool Co., 754 Eddy st., Providence, R. I.
Allen's Sons Co., N. R., Kenosha, Wis.
Allens Sons, S., Greenfield, Mass.
Allencliff Engineering Co., The, 638 E. Livingston Ave., Columbus, O.
Allenson Bros., tin cylinders, 9 Steeple, Providence, R. I.
Allentown Bobbin Wks., 419 N. 14th st., Allentown, Pa.
Allentown Boiler Works, 328-58 Walnut St., Allentown, Pa.
Allentown Mfg. Co., 24 S. 6th st., Allentown, Pa.
Allentown Packing Box Co., 243 Front, Allentown, Pa.
Allentown Portland Cement Co., Allentown National Bank Bldg., Allentown, Pa.
Allentown Reed, Harness & Mill Supply Co., 337 Jordam, Allentown, Pa.
Allentown Sand & Coal Co., Allentown, Pa.
Allentown Spinning Co., jute, 361 Gordan, Allentown, Pa.
Allentown Testing Laboratory, chemists, 373 Linden, Allentown, Pa.
Allert, C., seed testers, Ritzville, Wash.
Allerton-Clarke Co., who. hdwe. mfrs.' agents, 74 W. Lake, Chicago, Ill.
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Alliance & Industrial Mfg. Co., fertilizer mfrs., Ellerson, Va.
Alliance Brass & Bronze Co., Alliance, O.
Alliance Brick Co., Alliance, O.
Alliance Clay Products Co., Alliance, O.
Alliance Controller Co., pressure regulators, Alliance, O.
Alliance Fertilizer Co., Alliance, Ohio.
Alliance Furn. Co., Dept. H., Jamestown, N. Y.

A

Alliance Iron & Metal Co., scrap rubber, Alliance, Ohio.
Alliance Machine Co., Alliance, O.
Alliance Mfg. Co., auto. wood bodies, carriages, Streator, Ill.
Alliance Milling Co., flour, Denton, Texas.
Alliance Spec. Mfg. Co., desk tele. brackets, Lakewood, Ohio.
Alliance Structural Co., Alliance, O.
Alliance Supply Mfg. Co., boring devices, Alliance, Ohio.
Alliance Vitreous China Co., Alliance, Ohio.
Alliance Window Glass Co., window glass mfrs., Salem, W. Va.
Allied Crafts Serv. advtg. agencies, 712 Kanawka Bldg., Charleston, W. Va.
Allied Industries Incorporated, 455 2nd St., San Francisco, Cal.
Allied Machinery Centre, 141 Centre St., New York.
Allied Machinery Company of America, 49-51 Chambers St., New York.
Allied Machinery Co., 459 E. 3d, Los Angeles, Calif.
Allied National Corp., 116 Broad St., New York.
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ALLIED STEEL CASTINGS CO., Sales Offices, 704 Railway Exchange Bldg., Chicago.
Pres. In Charge of Purchases—J. T. Llewellyn.
V. P., In Charge of Sales—C. J. Nash.
Secy. & Works Mgr.—J. S. Llewellyn.

Allied Steel Products Co., Inc., Aurora, Ill.
Allied Storage Battery Co., Montclair, N. J.
Alligator Clothing Co., 4171 Bingham St., St. Louis, Mo.
Allin Mach. Wks., Helena, Ark.
Alling & Cory Co., envelopes, adding machine rolls, Rochester, N. Y.
Alling-Lander Co., Inc., Sodus, N. Y.
Alling Rubber Co., mill & factory supp., 38 Fairfield, Hartford, Conn., & 261 Main, Springfield, Mass.
Alling, Wm. H., Co., dock bldrs., 171 Lenox, New Haven, Conn.
Allingham Flotation Machine Co., 336 E. 3rd St., Los Angeles, Cal.

ALLINGTON & CURTIS MFG. CO., 1500 Holland Ave., Saginaw, Mich.

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Boston, Mass.—723-724 State Mutual Bldg.
Buffalo, N. Y.—574-576 Ellicott Square Bldg.
Charlotte, N. C.—1118 Johnston.
Chicago, Ill.—1321 Peoples' Gas Bldg.
Cincinnati, O.—1720 First National Bank Bldg.
Cleveland, O.—1811-1812 Cleveland Discount Bldg.
Dallas, Texas—1816-1817 Magnolia.
Denver, Col.—Symes Bldg.
Detroit, Mich.—1110-1112 Ford Bldg.
Duluth, Minn.—709 Alworth Bldg.
Indianapolis, Ind.—305 Merchants' Bank Bldg.
Kansas City, Mo.—1410-1412 Waldheim Bldg.
Lakeland, Fla.—901 Callahan Court.
Los Angeles, Cal.—623-625 Title Insurance Bldg.
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Minneapolis, Minn.—707-711 Metropolitan Life Bldg.
New Orleans, La.—719-723 Maison Blanche Bldg.
New York, N. Y.—50 Church.
Philadelphia, Pa.—711-712 Atlantic Bldg.
Pittsburgh, Pa.—1207-1210 Park Bldg.
Portland, Ore.—505-506 Lumbermen's Bldg.
St. Louis, Mo.—2188-2189 Railway Exchange Bldg.
Salt Lake City, Utah—914-15-16 Kearns Bldg.
San Francisco, Cal.—741-751 Rialto Bldg.
Seattle, Wash.—115 Jackson st.
Toledo, O.—819 Ohio Bldg.
Wilkes-Barre, Pa.—904 Coal Exchange Bldg.
Farm Tractor District Offices:
Amarillo, Texas—117 West 5th st.
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London, England, 728 Salisbury House, London Wall, E. C. 2.
Paris, France, 3 Rue Taitbout.
Santiago, Chile, Edificio Ariztia, Casilla 48-D.
Oruro, Bolivia.

Allis Co., The Louis, 124 Stewart St., Milwaukee, Wis.
Allison & Co., Chester, Pa.
Allison & Doughty, stock mirrors & window glass, 559 W. 37th, New York.
Allison & Vervalen Coal & Lmbr. Co., masons' & bldrs.' matls., Haverstraw, N. Y.
Allison Bros., soap & soap powders, Middletown, Conn.
Allison Co., W. D., 907 N. Alabama St., Indianapolis, Ind.
Allison Coupon Co., 586 E. Market st., Indianapolis, Ind.
Allison Lumber Co., Bellamy, Ala.
Allison Lumber Co., Inc., 729 Lady, Columbia, S. C.
Allison, R. W., patterns & models, Dayton, Ohio.
Allison Steel Products Co., Chester, Pa.
Allison, W. A., contrs., Greenville, S. C.
Allison, Wm., machsts., Punxsutawney, Pa.
Allith Prouty Co., Danville, Ill.
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Allman Gas Engine & Machine Co., 461 Canal St., New York.
Allman, N. B., & Sons, sashes, doors & blinds, Garrett, Ind.
Allmetal Weatherstrip Co., 229 W. Illinois st., Chicago.
Allmond Co., The, 26th & Claymont Sts., Wilmington, Del. (Building Brick.)
Allmur Mfg. Co., elec. cooking app., Janesville, Wis. & Marion, Ind.
Allnut, B. F., see Miller Peerless Mfg. Co. (successor)
Allot Hardware Co., mill & factory supplies, Alliance, O.
Alloy Die Casting Co., The, 80 E. Fort St., Detroit, Mich
Alloy Elec. Steel Casting Co., Warren, Ohio.
Alloy Metal Stamping & Specialty Co., ground clamps, Williamstown, N. J.

ALLOY METAL WIRE CO., MOORE, PA.
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Alloy Steel & Metals Co., 2126 Land Title Bldg., Philadelphia, Pa.
Alloy Steel & Metals Co., castings, 55th & Alameda, Los Angeles, Cal.
Alloy Steel Products Corp., 136 Liberty St., New York.
Alloy Steel Spring & Axle Co., Jackson, Mich.
Alloy Steel Works, Ltd., Toronto, Can.
Alloys & Products, Inc., 1448 W. Farms Road, New York.
Allright Mfg. Co., The, Greensboro, N. C.

ALL-STEEL-EQUIP CO., 12 John St. Aurora, Ill.
Chicago—31 S. DesPlaines St.
Detroit, Mich.—1500 Real Estate Bldg.

Allsteel Scale Co., Inc., 25 West B'way, New York.
Alltex Weaving & Specialty Co., brake lining, 212 B'way, New York.
Allwood, J. R., & Son, cornices, 39 Marshall, Newark, N. J.
Allyn, Fred S. (Lawrence & Halford), architects, Chamber of Commerce bldg., Portland, Ore.
Allyne-Ryan Fdry. Co., Aetna Rd. & E. 91st St., Cleveland, Ohio.
Alma Lumber Co., Alma, N. C.
Alma Mfg. Co., clothiers' hdwe., etc., 661 S. Monroe, Baltimore, Md.
Alma Standard Foundry Mfg. Co., Alma, Mich.
Almar Mfg. Co., elec. light fix. mfrs., 206 5th Ave., New York.
Almeda Canning Co., Wellston, Ohio.
Almetal Mfg. Co., 7227 Manchester Ave., St. Louis, Mo.
Almion Engng. & Contr. Co., 25 Church, New York.
Almirall & Co., htg. contrs., 1 Dominick, 66 W. Broadway, New York.
Almirall & Co., Inc., 1 Dominick St., New York.
Almiroty, Randolph H., arch., 46 W. 46th, New York.
Almond, A. J., masons' & bldrs.' matls., Lithonia, Ga.
Almond, David, machst., 88 Warren, Newark, N. J.

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Los Angeles—Chansler & Lyon Co., W. R. Colcord.
Oakland—Chansler & Lyon Co.
San Francisco—Berger & Carter Co., 400 Mission, Douglas 3010.
Eccles & Smith Co., 637 Mission, Karney 1267.
Fred Ward & Son, 170 1st St., Sutter 783.
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MO.—Joplin—Joplin Supply Co.
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Corby Supply Co., 1956 N. Broadway, Tylor 747.
Handlan-Buck Mfg. Co., 212 N. 3rd St., Main 234.
Wm. C. Johnson & Sons Machy. Co., 1001 N. 6th St., Main 967.
St. Louis Machinists Sup. Co., 920 N. Broadway, Olive 405.
NEB.—Lincoln—Western Supply Co.
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N. J.—Newark—Banister & Pollard Co.
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Mau-Sherwood Supply Co.
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White Tool & Supply Co.
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Smith Brothers Hdwe. Co.
Dayton—M. D. Larkin Supply Co.
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Springfield—Rose-Willoughby Co.
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Toledo—Bostwick-Braun Co.
Coghlin-Kirby Machinery & Supply Co.
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OKLA.—McAlester—Russell Hdwe. Co.
Muskogee—Atlas Supply Co.
ORE.—Portland—Chansler & Lyon.
Harry M. Euler Co.
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Altoona—Standard Supply & Equipment Co.
Easton—Losey Co.
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Mill Supply Co.
Stirling-Warfel Mill Sup. Co.
United Hdwe. & Supply Co.
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Philadelphia—E. L. Fraser, 141 N. 3rd St., Market 1846.
E. M. Hason & Co., Market 5280.
Robert L. Latimer & Co., 24 N. Front, Market 0335.
D. Nast Machinery Co., Bourse, Lombard 3307.
Powell, Clouds & Co., 602 Arch, Lombard 9168.
Standard Supply & Equipment Co. 17th & Lehigh Columbia 6400.
Pittsburgh—Huskill-Hunter Co.
Machinists Sup. Co. 327 2nd Ave., Court 1646.
Pittsburgh Gage & Supply Co., 30th & Liberty, Grant 6600.
Somers, Fitler & Todd Co., 327 Water St., Court 4860.
Standard Supply & Equipment Co., 1207 Liberty Ave., Smithfield 0800.
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Scranton—Chas. B. Scott Co.
York—Wm. E. Duff Co.
S. C.—Charleston—Cameron & Barkley Co.
S. D.—Sioux Falls—Dakota Iron Store.
TENN.—Chattanooga—Hamilton Machinery Co.
James Supply Co.
Memphis—J. E. Dilworth Co.
TEX.—Austin—Walter Tips Co.
Dallas—Briggs-Weaver Machinery Co.
Fort Worth—Huster Tool & Supply Co.
Houston—Peden Iron & Steel Co.
San Antonio—San Antonio Machine & Supply Co.
VA.—Norfolk—Taylor-Parker Co., Inc.
Petersburg—Stockdell Meyers Hdwe. Co., Inc.
Richmond—Smith-Courtney Co.
Roanoke—Roanoke Plumbing & Mill Supply Co.
WASH.—Bellingham—Morse Hdwe. Co.
Seattle—Chansler & Lyon Co.
Cragin & Co.
Whiton Hdwe. Co.
Spokane—Chansler & Lyon Co.
Tacoma—Chansler & Lyon Co.
W. VA.—Charleston—Capitol City Supply Co.
WIS.—Beloit—Gordon's Hdwe.
Green Bay—Bay Verte Machy. Sup. Co.
Kenosha—Dewey Hdwe. Co.
Milwaukee—Badger-Packard Machinery Co.
Philip Gross Hdwe. & Sup. Co.
John Pritzlaff Hdwe. Co.
Western Iron Stores Co.
Racine—Hoernel Hdwe. Co.
Mohr-Jones Hdwe. Co.
CANADA—London, Ont.—D. H. Williams Co.
Toronto, Ont.—Aikenhead Hdwe. Co.
Canadian Fairbanks Morse Co.
H. W. Petrie, Ltd.
A. R. Williams Machinery Co.
Montreal, Que.—Canadian Fairbanks Morse Co.
EUROPE—Paris, France—H. E. Seemuller.
GREAT BRITIAN—London—Walter P. Notcutt.
MEXICO—Mexico City—Pascual Tejada.

Almond Roller Mills (O. Culver), buckwheat flour, Almond, Wis.
Almont Mfg. Co., mchsts. & fndrs., Almont, Mich.
Almyra Mach. Works, Almyra, Ark.
Almy Water Tube Boiler Co., 184 Allens Ave., Providence, R. I.
Aloha Lumber Co., Aloha, Wash.
Aloe Company, A. S., 511-513 Olive St., St. Louis, Mo.
Alpena Excelsior Co., Alpena, Mich.
Alpena Woolen Mills Co., woolen blankets, Alpena, Mich.
Alperin, H. J., Co., sad irons, 720 Euclid Ave., Cleveland, Ohio.
Alpert Woodworking Co., sash, door & blind mfrs., 410 Snediker Ave., Brooklyn, N. Y.
Alpha Belt Dressing Co., 14 Cedar, New York.
Alpha Brush Co., Troy, N. Y.
Alpha Chemical Co., 62 Cliff St., New York.
Alpha Electric Co., 151 W. 30th St., New York.
Alpha Hdwe. & Supply Co., Grass Valley & Nevada City, Cal.
Alpha Mirror Mfg. Co., 115 Spring, New York.
Alpha Portland Cement Co., Easton, Pa.
Alpha Preserve Co., macaroni sauce, San Jose, Cal.

ALPHADUCT CO., 136 Cator St., Jersey City, N. J.
Distributors:
CALIF.—Los Angeles—H. B. Squires Co., 229 Boyd St., Trinity 5798.
San Francisco—H. B. Squires Co., 583 Howard St., Douglas 3430.
COLO.—Denver—B. K. Sweeney Elect. Co., 13th Ave. & Broadway, Main 6013.
GA.—Atlanta—Broward Sales Co., 1110 Healey Bldg.
ILL.—Chicago—Wm. P. Crockett Co., 312 S. Green St., Monroe 3694.
KY.—Louisville—Nicholson Sales Co., 307 Keller Bldg.
LA.—New Orleans—Mitchell D. Nunn, 1922 Carrollton Ave.

(Continued on following page)

ALPHADUCT CO.—Continued.
MD.—Baltimore—Electrical Sales Co., 2 East Redwood St., Plaza 4000.
MASS.—Boston—S. B. Condit, Jr. & Co., 261 Franklin St., Main 7498.
MICH.—Detroit—McNair Electric Sales Co., 116 E. Woodridge St., Main 1066.
MINN.—Minneapolis—Ben. B. Moore, Builders Exchange Bldg.
MO.—St. Louis—L. A. Doxsee.
N. Y.—New York—Wm. S. Brown Electric Co., 171 Madison Ave., Watkins 8338.
PA.—Philadelphia—L. P. Clark, 1207 Race St., Spruce 7148.
Pittsburgh—S. H. Stover & Co., Century Bldg.
TEX.—Dallas—R. S. Wakefield, 324 Interurban Bldg.
WASH.—Seattle—H. B. Squires Co., 555 1st Ave., S., Elliott 0889.

Alphano Humus Co., 2 Rector, New York.
Alphine Cement & Plaster Co., Inc., Douglas Bldg., Los Angeles, Calif.
Alpine Evaporated Cream Co., canners, Gonzales, Calif.
Alpine Wax Oil Polish Co., (Samuel Lewis) 73 Barclay St., New York.
Alpine Woolen Mills, Mount Airy, N. C.
Alpirn, A. B., 501 Farnam St., Omaha, Neb.
Alquist, Edward J., (Contractor) 501 Fifth Ave., New York.
Already Box Co., Danville, Ill.
Alsen Cement Co. of America, 110 W. 42nd St., New York.
Alshuler, Charles, Mfg. Co., overalls, Racine, Wis.
Alsing Engineering Co., J. R. 50 Church St., New York.
Alsop & Peirce, contractors & engineers, Newport News, Va.
Alsop Process Co., shoe machy., flour mill & cotton gin machy., 600 S. 6th, St. Louis, Mo.
Alsten & Goulding Co., 178 Commercial St., Worcester, Mass.
Alsteel Mfg. Co., Battle Creek, Mich.
Alsteel Mfg. Co., see Crabill Hose Clamp Co. (successor)
Alston & Hoggan, contractors, Contl. Nat. Bank Bldg., Salt Lake City, Utah.
Alston-Lucas Paint Co., 1029 Currier St., Chicago.
Alston Saw & Steel Co., Folcroft, Pa.
Alt Box Mfg. Co., 174 Carroll, St. Louis, Mo.
Alt, Fred, mchst. & fndr., Effingham, Ill.
Alta Co., shock absorbers, 11th St., San Francisco, Cal.
Alta Glass Beveling Wks., 1781 Mission, San Francisco, Cal.
Altamaha Fertilizer Co., Vidalia, Ga.
Altamaha Woodworking Co., Darien, Ga.
Altavista Dogwood Mfg. Co., lbr., Altavista, Va.
Altemus, Jacob K., mchst., 2624 N. Amer, Philadelphia, Pa.
Altenberg, George H., Lumber Co., Dancy, Wis.
Altenderfer, H. B., leather, 331 Arch., Philadelphia, Pa.
Alteneder & Sons, T., 945 Ridge Ave., Philadelphia, Pa.
Alter, C. A., cornices, Indiana, Pa.
Alter Light Co., mantles, 2307 Archer Ave., Chicago, Ill.
Alter Motor Car Co., Washington Ave. & Glisndorf, Indianapolis, Ind.
Alterson, L., & Co., shoe buckles, 162 W. 34th, New York.
Althouse Bros., brick, Sycamore, Ohio.
Althouse Chemical Co., dyes & dye stuffs, Reading, Pa.
Althouse Wheeler Co., Waupun, Wis.
Altieri Bros., contractors, 145 Bishop, Waterbury, Conn.
Altieri, M., & Sons, crushed stone, 363 Concord Ave., New York.
Altland, Alfred D., hammock mfrs., Dillsburg, Pa.
Altman-Roblin Purchasing Syndicate, 2299 Elmwood Ave., Buffalo, N. Y.
Alton Box Board & Paper Co., Alton, Ill.
Alton Brick Co., Alton, Ill.
Alton Brick Co., Chemical Bldg., St. Louis, Mo.
Alton Bldrs. Supply Co., Alton, Ill.
Alton Canning Co., Alton, Ind.
Alton Iron & Metal Co., 2122 S. Loomis, Chicago, Ill.
Alton Lumber Co., Buckhannon, W. Va.
Altoona Brick Co., 1115 11th St., Altoona, Pa.
Altoona Coal & Coke Co., 1st National Bank Bldg., Altoona, Pa.
Altoona Concrete Const. and Supply Co., Altoona, Pa.
Altoona Construction Co., 1722 Margaret Ave., Altoona, Pa.
Altoona Iron Co., 9th av. & 30th st., Altoona, Pa.
Altoona Overall Factory, 1925 Union Ave., Altoona, Pa.
Altoona Packing Co., Altoona, Wash.
Altoona Pipe & Supply Co., mill & facty. supplies, 1923 9th Ave., Altoona, Pa.
Altorfer Brothers Co., Peoria, Ill.
Altschul, A. H., 50 Walker St., New York.
Altshuler Bros., umbrella mfrs., 345 4th Ave., New York.
Alumina Shale Brick Co. (now Bradford Brick & Tile Co.), Bradford, Pa.
Alumina Soapalite Co., 625 3d, San Francisco, Cal.
Aluminum & Brass Co., Lockport, N. Y.
Aluminum Brazing Solder Co., 110 Montgomery Bldg., Chester, Pa.
Aluminum Casting & Machine Co., 206 Broadway, New York.
Aluminum Castings Co., auto accessories, etc., 1700 N. Spring, Los Angeles, Cal.

ALUMINUM COMPANY OF AMERICA, 2301 Oliver Bldg., Pittsburgh, Pa.

Branch Offices:

Albany	Minneapolis
Boston	New Haven
Buffalo	Newark
Chicago	New York
Cleveland	Philadelphia
Dayton	Pittsburgh
Detroit	San Francisco
Indianapolis	St. Louis
Kansas City	Washington

Aluminum Container Corp., Fulton, N. Y.
Aluminum Cooking Utensils Co., New Kensington, Pa.
Aluminum Cooking Utensils Co., Pittsburgh, Pa. (See Aluminum Co. of America, Pittsburgh, Pa.)
Aluminum Die Casting Corp., Garwood, N. J.
Aluminum Flake Co., E. High, Akron, Ohio.
Aluminum Foundry Co., Sebring, Ohio.
Aluminum Goods Mfg. Co., Manitowoc, Wis.
Aluminum Index Co., Russell Ave., Edgewater, N. J.
Aluminum Manufactures, Inc., 2810 Harvard St., Cleveland, O.
Aluminum Ore Co., East St. Louis, Ill.
Aluminum Products Co., La Grange, Ill.
Aluminum Rolling Mill Co., aluminum sheets, Ivanhoe Rd., Cleveland, Ohio.
Aluminum Sign Co., Kewaunee, Wis.
Aluminum Specialty Co., Manitowoc, Wis.
Alva Roller Mills, flour, Alva, Okla.

ALVEY-FERGUSON CO., THE, 70 North Ave., Cincinnati, O.
Alvey Mfg. Co., 3200 S. Broadway, St. Louis, Mo.
Alvin Mfg. Co., table silverware, Sag Harbor, N. Y.
Alvord, Burdick & Howson, consulting engrs., 8 S. Dearborn, Chicago, Ill.
Alvord Reamer & Tool Co., 110-175 Gearhart St., Millersburg, Pa.
Alward-Anderson-Southard Co., 925-929 W. Chicago Ave., Chicago.
Alward, B. R., flour mills, Camden, Mich.
Alwine Bros. Brick Co., New Oxford, Pa.
Alworth, F. C., lbr., Green Cove Springs, Fla.
Alzina Constr. Co., Unity Bldg., Springfield, Ill.
Amalgamated Cornice Roofing Co., 230 E. 22nd, New York.
Amalgamated Dyestuffs & Chem. Wks., Inc., 75 Hudson, New York.
Amalgamated Gum Co., casein, Troy, N. Y.
Amalgamated Leather Co., 22 N. 5th, Philadelphia, Pa.
Amalgamated Metals Co., 361 E. Ohio St., Chicago.
Amalgamated Metals Selling Co., Ltd., 120 E. 16th, New York.
Amalgamated Motors Corp., Alhambra, Cal.
Amalgamated Oil Co., Pac. Elec. Bldg., 608 S. Main, Los Angeles, Cal.
Amalgamated Paint Co., Pier 11, New York.
Amalgamated Products Co., Inc., 25 Broadway, New York.

AMALGAMATED ROOFING CO., 431 S. Dearborn St., Chicago.
Pres.—S. K. Milligan.
V. P.—H. J. Luce.
Sec. & Treas.—S. V. Ferris.
Birmingham, Ala.—18 S. 20th St., J. B. Perry, Mgr.
Pittsburgh, Pa.—Fulton Bldg., Chas. W. Walters, Mgr.

Amalgamated Sugar Co., Ogden, Utah.
Aman & Sandmann, packing box mfrs., 18 W. McMicken Ave., Cincinnati, Ohio.
Amana Society, blankets, Amana, Iowa.
Amarillo Hardware Co., Amarillo, Tex.
Amarillo Sash & Door Co., Amarillo, Tex.
Amazon Tire Rubber Co., Akron, O.
Amber Electrical Supply Co., 553 W. Madison St., Chicago.
Amberg File & Index Co., 1400 Fulton, Chicago, Ill.
Amberg File & Index Co., 79 Duane St., New York.
Amberg, Louis, & Son, children's vehicles, dolls, 141 E. 25th, New York.
Ambest Metallic Packing Co., 154 W. Broadway, New York.
Ambler & Bitor, Kearns Bldg., Salt Lake City, Utah.
Ambler-Davis Co., contractors, Harrison Bldg., Philadelphia, Pa.
Ambler, Edwin P., heating contr., 2822 La Salle, St. Louis, Mo.
Ambler, H. C., Contracting Co., masons' & builders' matls., 3717 Old York Rd., Philadelphia, Pa.
Ambler Saw Mfg. Co., Natick, Mass.
Amboy Paper Co., cardboard, Bridgeport, Pa.
Amboy Products Co., canned goods, Amboy, Ill.
Amboy Works, elec. & gas light portables, Perth Amboy, N. J.
Ambroid Co., varnish mfrs., 227 Miller Ave., Brooklyn, N. Y.
Ambrose, C. P., & Bro., cornices & skylights, Berkeley Springs, W. Va.
Ambrose, F. O., mill & facty. supplies, Janesville, Wis.
Ambrose, Geo. F., Bellingham, Wash.
Ambrose, J. T., canned goods, Oakland, W. Va.
Ambrose Printing Co., Nashville, Tenn.
Amburgen Construction Co., Grand Central Terminal, New York.
Amend Coal Co., Greensburg, Pa.
Amendt Milling Co., flour, Monroe, Mich.
Ament Glue Co., H. B., 608 Camp St., Louisville, Ky.
America Htg. & Supply Co., Rockford, Ill.
American Abrasive Co., Westfield, Mass.
American Adding Mach. Co., see Add-Index Corp. (successor).

AMERICAN ABRASIVE METALS CO., 50 Church st., New York.

American Agencies, 1001 4th St., W., Calgary, Alta., Canada.
American Agricultural Chem. Co., Graham Blvd., Jacksonville, Fla.
American Agricultural Chemical Co., 2 Rector St., N. Y.
American Air Compressor Works, 558 Hamilton Ave., New York.
American Air Commerce Corp., aeroplanes, 2018 Sacramento, Los Angeles, Calif.
American Alkali & Acid Co., Bradford, Pa.
American Alloys Co., metals, American Bldg., Baltimore, Md.
American Aluminum Mfg. Co., Lemont, Ill.
American Aluminum Utensile Corp., 87 35th St., Brooklyn, N. Y.
American Aluminum Ware Co, 374 Jeliff Ave., Newark, N. J.
American Aniline Products, Inc, aniline colors & dyes, 80 5th Ave., New York.
American Antiformin Co., disinfectants, 322 9th, Brooklyn, N. Y.
American Appliance Co., lamps, 207 S. Meridian st., Indianapolis, Ind.
American Appraisal Co., setting valuations, Stroh Bldg., Milwaukee, Wis.
American Arc Lamp Co., Kalamazoo, Mich.
American Arch Co., 30 Church St., New York.
American Arch. Co., loco. brick arches, etc., 17 E. 42nd, New York.
American Arch. & Architectural Review, trade publications, 243 W. 39th, New York.
American Aromatic Disinfector Co., 273 S. 5th st., Philadelphia, Pa.
American Aromatic Disinfector Co., 430 Walnut St., Philadelphia, Pa.
American Art Bronze Fdry., 4921 W. Lake, Chicago, Ill.
American Art Metal Wks., bronze doors, 13 Grace, San Francisco, Calif.
American Art Papie Mache Wks., 345 W. Austin Ave., Chicago, Ill.
American Art Sign Co., 201 37th, Brooklyn, N. Y.
American Art Works, Coshocton, Ohio.
American Artisan & Hdwe. Record, trade publications, 616 S. Michigan Ave., Chicago, Ill.
American Asbestos Co., Norristown, Pa.
American Asbestos & Mfg. Co., 58 Sutter, San Francisco, Calif.
American Asiatic Trading Co., 444 Market St., San Francisco, Calif.
American Asphalt Assn., asphalt miners, Wainwright Bldg., St. Louis, Mo.

AMERICAN ASPHALT MACHINERY CO., asphalt handling & roofing mill equipment, 118 St. Clair Ave., N. E., Cleveland, Ohio.

American Asphalt Roof Corp., shingles, etc., 15th & Blue River, Kansas City, Mo.
American Atmos Corp., gas masks & mine rescue appar., 105 W. 40th, New York.
American Atmos Corp., Hay & Sawyer Sts., Pittsburgh, Pa.
American Audit Company, The, 100 Broadway, New York.
American Auto Accessories Co., Blue Rock & C. H. & D. R. R. Cum., Cincinnati, Ohio.
American Auto Lamp Co., 507 W. 50th, New York.
American Auto Top Co., 1451 Wash. Blvd., Chicago.
American Auto Top Co., The, Delphi, Ind.
American Auto Trimmings Co., auto bodies, Taft Ave., Cleveland, Ohio.
American Automatic Device Co., 500 Throop, Chicago, Ill.
American Automatic Lock & Lift Co., see California Wall Bed Co. (successor)
American Automatic Scale Co., 323 W. Madison St., Chicago.
American Automatic Train Control Corp., 1105 American Bldg., Baltimore, Md.
American Automobile Accessories Co., Blue Rock & B. & O. R. R. N. S., Cincinnati, O.
American Automotive Parts Co., piston rings, 707 Canal road, Cleveland, Ohio.
American Axe & Tool Co., The, Glassport, Pa.
American Axle Co., The, Barton, Wis.
merican Axle Works, 12th & Montgomery Ave., Philadelphia, Pa.
American Badge Co., advg. nov. & spec., 143 W. Austin Ave., Chicago, Ill.
American Bag Company, Falls Bldg., Memphis, Tenn.
American Bag Co., dlrs. in bags, burlap & twine, 3d & Harrison, Oakland, Cal.
American Bakers Machy. Co., 1600 S. Kway, St. Louis, Mo.
American Balance Valve Co. (Now C. C. Young), Jersey Shore, Pa.
American Ball-Bearing Co., Cleveland, O.
American Ball Chain Works, The, 12 Wooster St., New York.
American Ball Co., 115 Clifford St., Providence, R. I.
American Ballast Co., ground or pulverized limestone, Holston Nat. Bk. Bldg., Knoxville, Tenn.
merican Balsa Co., Inc., 152nd & Exeter Sts., New York.
American Bank Protection Co., 1201 S. 3rd St., Minneapolis, Minn.
American Bar-Lock Co., 327 Jackson Ave., Long Island City, N. Y.
American Battery Co., 2055 N. Racine Ave., Chicago, Ill.
American Bauxite Co., Oliver Bldg., Pittsburgh, Pa.
American Bearing & Die Casting Corp., The, 212 W. McCarthy St., Indianapolis, Ind.
American Bearing Corp., 11th & Canal, Indianapolis, Ind.
American Bed Co., 1820 Park Ave., St. Louis, Mo.
American Bedding Co., Superior, Wis.
American Beet Sugar Co., Denver, Colo.
American Bell & Foundry Co., Northville, Mich.
American Bisque Doll Co., 181 Chestnut, Newark, N. J.
American Bituminastic Enamels Co. (Now Wailes Dove-Hermiston Corp.), New York.
American Blacksmith Co., trade publications, 775 Main, Buffalo, N. Y.
American-Blakeslee Mfg. Co., Birmingham, Ala.
American Blank Book Mfg. Co., 150 Lafayette, New York.
American Blaugas Corp., liquefied chemicals & gases, 19 6th, Long Island City, N. Y.
American Blind Stitch Mach. Co., 325 Lafayette, New York.
American Block & Mfg. Co., Warren, Ohio.
American Blower Co., 6004 Russell, Detroit, Mich.

AMERICAN BLUE PRINT PAPER CO., 445 Plymouth Ct., Chicago.

American Blue Print Co., 30 E. 42d, New York.
American Blue Stone Co., Warsaw, N. Y.
American Boat Co., motor boat, Detroit, Mich.
American Bobbinett Co., bobbins, Dept. H, Lafayette, Newburgh, N. Y.
American Body Co., 2802 Williams, Dallas, Tex.
American Body Co., Inc., 1200 Niagara, Buffalo, N. Y.
American Boiler & Iron Works, Everett, Wash.
American Boiler & Tank Co., 2734 Hillock St., Chicago.
American Boiler Appliance Co., 1046 Madison Ave., Paterson, N. J.
American Boiler Life Co., 20 N. Market St., Boston, Mass.
American Boiler Welding Co., welding, 708 Fulton Mkt., Chicago, Ill.
American Boiler Works, Erie, Pa.
American Bolt & Screw Case Co., Dayton, Ohio.
American Bolt Co., 39th & 10th Sts., Birmingham, Ala.

AMERICAN BOLT CORP., Whitehall Bldg., New York City.
Chairman—Justin C. Burns, Columbus.
Pres.—J. Rich Steers, New York.
V. P.—J. A. MacLean, Chicago.
V. P.—Frank S. Bigler; Robert H. Hill, Detroit, Mich.
V. P.—Ernest L. Rupf, New York.
Sec.-Treas.—Harley E. Burns, Columbus, O.

American Bonding Co. of Baltimore, insurance, Fidelity Bldg., Baltimore, Md.
American Boron Products Co., Inc., Reading, Pa.
American Bosch Magneto Corp., North Main St., Springfield, Mass.
American Bottle Cap Co., 429 Westlake Ave. N., Seattle, Wash.
American Bottle Co., 38 S. Dearborn St., Chicago.
American Bottle Co., Newark, Ohio.
American Box & File Co., Davis, Atlanta, Ga.
American Box & Lumber Co., Nashua, N. H., and Norfolk, Va.
American Box Ball Co., Inc., 1545 Van Buren St., Indianapolis, Ind.
American Box Board Co., Grand Rapids, Mich.
American Box Co., The, 1900 W. Third St., Cleveland, O.

AMERICAN BOX STRAPPING CO., INC., 275 Water St., New York.

American Brake Co., 1932 N. Broadway, St. Louis, Mo.
American Brake-Lining Co., Lansdale, Pa.
American Brake Shoe & Foundry Co., 30 Church, New York.
American Brass & Bronze Works, hardware, 124 Jupiter, San Francisco, Cal.
American Brass & Copper Co., 138 Lafayette St. N. Y.
American Brass & Iron Co., 6425 Crystal, Detroit, Mich.

AMERICAN BRASS COMPANY, THE, General Offices, Waterbury, Conn.

Mills and Factories:
Ansonia, Conn.
Buffalo, N. Y.
Hastings-on-Hudson, N. Y.
Kenosha, Wis.
Torrington, Conn.
Waterbury, Conn.

Offices and Agencies:
Boston, Mass.
Chicago.
Cincinnati, O.
Cleveland, O.

(Continued on following page)

A

AMERICAN BRASS CO., THE—Continued.
Detroit, Mich.
New York.
Philadelphia, Pa.
Pittsburgh, Pa.
Providence, R. I.
St. Louis, Mo.
San Francisco, Cal.
Foreign:
New Toronto, Ont., Can.—Anaconda American Brass Limited.

American Brass Fixture Wks., machsts., 67 Engrt Ave., Brooklyn, N. Y.
American Brass Mfg. Co., cocks, stops & waste, 1521 E. 49th, Cleveland, Ohio.
American Brass Mfg. Co., fndrs, 731 Folsom, San Francisco, Cal.
American Brass Novelty Co., Grand Haven, Mich.
American Brass Products Co., Pottstown, Pa.
American Bread & Pastry Board Co. See Imperial Mfg. Co., (successors).
American Briar Pipe Co., 182 W. Lake St., Chicago, Ill.
American Brick & Tile Co., Mason City, Ia.
American Brick & Tile Co., Morend, Mich.
American Brick & Tile Co., Fidelity Nat. Bk. Bldg., Oklahoma City, Okla.
American Brick Co., Berlin, Conn.

A

AMERICAN BRIDGE COMPANY, 71 Broadway New York.
Pres.—August Zieging, Frick Bldg., Pittsburgh, Pa.
V. P.—Joshua A. Hatfield, 30 Church St., New York.
Secy.—R. F. Ball, Frick Bldg., Pittsburgh, Pa.
Atlanta, Ga.—Candler Bldg., H. M. Knapp.
Baltimore, Md.—Continental Bldg., H. A. Warren.
Boston, Mass.—120 Franklin St., S. P. Waldron.
Buffalo, N. Y.—Marine Natl. Bank Bldg., Herbert Wright.
Chicago—208 S. La Salle St., F. J. Llewellyn.
Cincinnati, O.—Union Trust Bldg., H. M. Knapp.
Cleveland, O.—Guardian Bldg., F. D. Rideout.
Denver, Colo.—First Natl. Bank Bldg., Elmo V. Smith.
Duluth, Minn.—Wolvin Bldg., W. G. Zimmerman.
Minneapolis, Minn.—629 Second St., South East, F. E. Cates.
New York—Empire Bldg., 71 Broadway, A. L. Davis.
Philadelphia—A. Widener Bldg. Chas., Rieger, Jr.
Pittsburgh, Pa.—Frick Bldg., R. W. Bailey.
St. Louis, Mo.—Lincoln Central Trust Company Bldg., E. E. Green.
Salt Lake City, Utah—Walker Bank Bldg., Elmo V. Smith.
Foreign Representative:
United States Steel Products Co., Hudson Terminal Bldg., 30 Church St., New York.

American Briquet Co., 119 S. 5th, Philadelphia, Pa.
American Broach & Machine Co., Ann Arbor, Mich.
American Bronze Co., fndrs, Buffalo, N. Y.
American Bronze Corp., Berwyn, Pa.
American Bronze Powder Mfg. Co., 16 Warren St., New York.
American Brooder Store Co., North Sacramento, Cal.
American Broom & Brush Co., Amsterdam, N. Y.
American Broom Mfg. Co., 2126 W. Lake St., Chicago.
American Broom Mfg. Co., Ltd., Short & Edenburg, New Orleans, La.
American Broom Supply Co., St. Louis, Mo.
American Brush Corp., 308 W. Randolph, Chicago, Ill.
American Brush Mfg. Co., 97 Union, Portland, Ore.
American Buckle Co., West Haven, Conn.
American Builders Products Co., 15 E. Van Buren St., Chicago.
American Builder, trade publication, 1827 Prairie Ave., Chicago, Ill.
American Bldg. Fdry. Co., 2300 S. Spirnfield Ave., Chicago, Ill.
American Buncher Mfg. Co., Oliver & Harding, Indianapolis, Ind.
American Bureau of Inspection and Tests, The, 53 W. Jackson Blvd., Chicago.
American Butter Cutting Mach. Co., Elmsford, N. Y.
American Button Co., 70 Morris Ave., Newark, N. J.
American Button Co., 46 E. 11th, New York.
American By-Products Mchy. Co., 26 Cort St., New York.
American Cabinet Co., dental furn., Two Rivers, Wis.
American Cabinet Mfg. Co., see Granby Phonograph Co. (successors).

AMERICAN CABLE CO., INC., 291 Broadway, New York.

American Camphor Refining Co., 14 Fulton, Boston, Mass.

AMERICAN CAN CO, 120 Broadway, New York.
Local Sales Offices:

Atlanta, Ga.	Newark, N. J.
Baltimore, Md.	New Orleans, La.
Boston, Mass.	Ogden, Utah.
Buffalo, N. Y.	Philadelphia, Pa.
Chicago, Ill.	Pittsburgh, Pa.
Cincinnati, O.	Portland, Me.
Cleveland, O.	Portland, Ore.
Dallas, Tex.	Richmond, Va.
Denver, Colo.	Rochester, N. Y.
Detroit, Mich.	St. Louis, Mo.
Indianapolis, Ind.	St. Paul, Minn.
Kansas City, Mo.	San Francisco, Cal.
Los Angeles, Cal.	Seattle, Wash.
Milwaukee, Wis.	Toledo, O.

Foreign Offices:
Hamilton, Ont., Canada.
Montreal, Que., Canada.
Toronto, Ont., Canada.
Vancouver, B. C., Canada.

AMERICAN CAR AND FOUNDRY COMPANY, 165 Broadway, New York.
Branch Offices and Plants:
DEL.—Wilmington—(Plant).
ILL.—Chicago—(Office) Railway Exchange Bldg., Harrison 8300.
2417 S. Paulina St. (Plant).
Madison—(Plant).
IND.—Indianapolis—(Plant).
Jeffersonville—(Plant).
Terre Haute—(Plant).
MICH.—Detroit—(Plant) 5718 Russell.
MO.—St. Charles—(Plant).
St. Louis—(Plant), 2800 De Kalb.
915 Olive St. (Office).
N. Y.—Buffalo—(Plant), 1221 Clinton.
Depew—(Plant).
PA.—Berwick—(Plant).
Bloomsburg—(Plant).
Milton—(Plant).
Pittsburgh—2221 Farmers Bank Bldg., Atlantic 1196.
TENN.—Memphis—(Plant).
W. VA.—Huntington—(Plant).

American Car Co., 1518 S. Vandeventer, St. Louis, Mo.
American Car Seal Co., South Bend, Ind.
American Car Sprinkler Co., 1 Brussels St., Worcester, Mass.
American Carbolite Co., Duluth, Minn.
American Carbonic Machinery Co., Wisconsin Rapids, Wis.
American Card Clothing Co., 306 Shrewsbury, Worcester, Mass.
American Carpenter & Bldr., Publishing Co., see Am. Builder (successor).
American Carpet & Upholstery Journal, Drexel Bldg., Philadelphia, Pa.
American Carrara Marble Co., Los Angeles, Cal.
American Carriage Co., Kalamazoo, Mich.
American Carton Sealing Mach. Co., 48 E. 51st St., Chicago, Ill.
American Cash Register Co., Saginaw, Mich.
American Casket Co., 943 N. Main, Los Angeles, Cal.
American Cast Iron Pipe Co., Birmingham, Ala.
American Caster Co., The, Hamilton, O.
American Casting & Mfg. Corp., 30 Main St., Brooklyn, N. Y.
American Casting Co., P. O. 426 Birmingham, Ala.
American Cement Machine Co., Inc., The, Keokuk, Ia.
American Cement Paint Co., Roosevelt Rd., Chattanooga Tenn.
American Cement Plaster Co., Lawrence, Kans.
American Cement Plaster Co., Military Rd. & City Line, Buffalo, N. Y., 111 W. Washington St., Chicago.
American Cement Products Co., see Marbelite Corp. of America, (successors).
American Cement Tile Mfg. Co., Oliver Bldg., Pittsburgh, Pa.
American Cereal-Coffee Co., cereal foods, 319 W. Chicago Ave., Chicago, Ill.
American Cereal Co., 17 Battery Pl., New York.

AMERICAN CHAIN CO., INC., Bridgeport, Conn.

AMERICAN CHAIN COMPANY, INC., Reading Specialties Division, Bridgeport, Conn.

American Chain Ladder Co., 30 E. 42nd St., New York.
American Chair Co., Sheboygan, Wis.
American Character Doll Co., Inc., 67 Spring, New York.
American Chemical & Mfg. Co., Inc., Norfolk, Va.
American Chemical & Mfg. Co., rust preventive, Cranford, N. J.
American Chemical Co., 708 Gwynne Bldg., Cincinnati, Ohio.
American Chemical Paint Co., Liberty Bldg., Philadelphia, Pa.
American Chime Clock Co., 1665 Buffner, Philadelphia, Pa.

AMERICAN CHIMNEY CORPORATION, 147 4th Ave., New York.
Boston, Mass.—141 Milk St.
Cleveland, O.—919 Ulmer Bldg.
Philadelphia, Pa.—Stephen Girard Bldg.

American China Co., clays, fountain counters, tile, etc., Phillips Bldg., Los Angeles, Cal.
American Circular Loom Co., 90 West St., New York.
American City Magazine, 443 4th Ave., New York.
American Clay & Cement Corp., 1175 E. Main St., Rochester, N. Y.
American Clay Machinery Co., The (now the Hadfield-Penfield Steel Co.), Bucyrus, O.
American Clay Products Co., Inc., 175 5th Ave., New York.
American Clay Products Mfg. Co., potteries, Stillwater, Minn.
American Clip Co., Beebe Ave. & Williams St., Long Island City, N. Y.
American Clothes Dryer Co., 224 W. 26th, New York.
American Coal Chute Co., 14 Buffington Ave., Newark, N. J.
American Coal Co. of Allegheny Co., 1 Broadway, New York.
American Coal Mining Co., Brazil, Ind.
American Coated Paper Co., 216 Main St., Pawtucket, R. I.
American Coating Mills, Elkhart, Ind.
American Coin Lock Co., Inc., coin lavatory locks, H Slater Trust Bldg., Pawtucket, R. I.
American Coke & Chemical Co., coke ovens & machinery, 208 S. La Salle, Chicago, Ill.
American Coke Corp., mfrs., 1607 H. Oliver Bldg., Pittsburgh, Pa.
American Coke Oven Co., 233 Broadway, New York.
American Color Card Co., 1735 N. Ashland Ave., Chicago, Ill.
American Column & Lumber Co., Brunson Bldg., Columbus, Ohio.
American Column Co., steel columns, Battle Creek, Mich.
American Commercial Corp. (Mfrs. Mail Pouches), 120 Broadway, New York.
American Commodities Co., 30 Church St., New York.
American Co. of International Commerce, glucose, 79 Wall, New York.
American Compound Co., 385 Atlantic Ave., Boston, Mass.
American Compressor & Pump Co., 801 E. Pratt St., Baltimore, Md.
American Concrete Paving Co., 166 Georgia, Buffalo, N. Y.
American Concrete Steel Co., Newark, N. J.
American Condenser & Engng. Corp., 120 Broadway, New York.
American Constr. Co., Falls City, Neb.
American Constr. Co., Castle Hall Bldg., Indianapolis, Ind.
American Construction Co., dams, bulkheads, breakwaters, etc., Marion Bldg., Cleveland, Ohio.
American Construction Co., 1422 14th Ave., Oakland, Cal.
American Contrg. Co., Title Guaranty Bldg., St. Louis, Mo.
American Contractor Publishing Co., 131 N. Franklin, Chicago, Ill.
American Cooperage Co., Helena, Ark.
American Cooperage Co., Inc., 235 Russell St., Brooklyn, N. Y.
American Copper & Brass Works (J. G. Ellerhorst Co.), 610-12-14-16 E. Front St., Cincinnati, O.
American Copper Products Co., 606 S. Hill, Los Angeles, Cal.
American Copper Products Corp., 233 Broadway, New York.
American Copper Products Corp., wire, Dept. H. Bayway & S. Front, Elizabeth, N. J.
American Cork Co., 16 Blackstone, Boston, Mass.
American Cornice Works, 966 E. 4th, Los Angeles, Cal.
American Cornice Wks., 3 Charles, Providence, R. I.
American Corrugated Paper Co., 221 W. 26th St., New York.
American Corrugating Co., Grand Rapids, Mich.
American Cotter Pin Co., Park Bldg., Pittsburgh, Pa.
American Cotton Oil Co., 2745 Papin, St. Louis, Mo.

American Cotton Oil Co., 239 W. 30th St., New York.
American Crayon Co., 1300 Hayes Ave., Sandusky, Ohio.
American Cream Tartar Co., 624 California, San Francisco, Cal.
American Credit Indemnity Co., of N. Y., 104 5th Ave., New York.

AMERICAN CREOSOTE WORKS, INC., Station B, New Orleans, La.
Pres.—S. W. Labrot.
Sec.—H. M. Mims.
V. P.—E. H. Labrot.

AMERICAN CREOSOTING CO., INC., 401 W. Main St., Louisville, Ky.
Pres.—A. L. Kuehn.
V. P.—J. H. Durham, Carl G. Crawford.
Sec. & Treas.—C. R. Aley.
Gen. Mgr.—R. H. Moore.
Supt.—W. H. Grady.

AMERICAN CROSSARM & CONDUIT CO., Successors to AMERICAN LINE MATERIALS CO., Room 93, 90 West Broadway, New York.
Pres.—W. M. Carpenter.
V. P., Secy. & Treas.—E. S. Hough.
V. P. & Gen. Sales Mgr.—A. F. Crosby.
Asst. Gen. Sales Mgr.—W. I. Fisher.
General Offices:
1461 McCormick Bldg., Chicago.

American Crucible Products Co., bearings, etc., Elyria, Ohio.
American Crusher & Machy. Co., 1 Madison Ave., New York.
American Cuckoo Clock Co., 1665 Ruffner, Wayne Junction, Philadelphia, Pa.
American Culvert Co., steel coal bins, Albert Lea, Minn.
American Cushion Wheel Co., 7956 S. Chicago Ave., Chicago.
American Cutlery Co., 732-764 Mather St., Chicago.
American Cyanamid Co., chemicals, 511 5th av., New York.
American D1-Electric, Ltd., insulating cloth & varnish, 466 E. 7th, Brooklyn, N. Y.
American Die & Tool Co., mfg. machinists, Reading, Pa.
American Directory of the Knitting Trade, 334 4th Ave., New York.
American Disinfecting Co., Sedalia, Mo.
American Display Co., advtg. novelties, Dayton, Ohio.
American Distilling Co., Pekin, Ill.
American Distilling Co. of N. Y., 49 Washington, New York.
American District Steam Co., North Tonawanda, N. Y.
American District Telegraph Co., burglar alarms, 183 Varick, New York.
American Drafting Furniture Co., 19 Hand, Rochester, N. Y.
American Dredging Co., Mariners' & Merchants' Bldg., Philadelphia, Pa.
American Dredging Co., 255 California, San Francisco, Cal.
American Dressler Tunnel Kilns, Inc., 1740 E. 12th, Cleveland, Ohio.
American Dry Color Co., kalsomine & cold water paints, 687 Antonia, Los Angeles, Cal.
American Dry Plate Co., Millbury St., Worcester, Mass.
American Duplicator Co., 80 Pearl St., New York.
American Duralumin Co., 11 Pine, New York.
American Dyewood Co., 100 E. 42nd St., New York.
American Electric Air Pump Co., Penn and Barbeau Sts., Pittsburgh, Pa.
American Electric Battery Wks., 350 Broadway, New York.
American Electric Co., 64th and State Sts., Chicago.
American Electric Co., 214 S. 4th St., St. Joseph, Mo.
American Elec. Cutting Mach. Co., 151 Lafayette, New York.
American Electric Fusion Corp., welding machinery, 2610 Diversey, Chicago, Ill.
American Electric Headlight Co., now the Remy Electric Co., Anderson, Ind.
American Elec. Lamp Wks. of G. E. Co., Central Falls, R. I.
American Electric Switch Co., Minerva, O.
American Elec. Tool Co., machsts, drills, W. Newton, Mass.
American Electrical Heater Co., Cor. Woodward and Burroughs, Detroit, Mich.
American Electrical Supply Co., 117 S. Morgan, Chicago.
American Elec. Welding Co., 250 5th Ave., New York.
American Electrical Works, Phillipsdale, R. I.
American Elevator Co., 117 Cedar, New York.
American Elevator & Electric Co., 511 Poydras, New Orleans, La.

AMERICAN ELEVATOR & MACHINE CO., Louisville, Ky.

American Elevator & Machine Co., 500 E. Main St., Louisville, Ky.
American Emblem Co., Inc., advtg. novelties, 875 Genesee, Utica, N. Y.
American Emery Wheel Works, 325 Waterman St., Providence, R. I.
American Enamel Co. (Wood Enameling), Neville St., Providence, R. I.
American Enameled Brick & Tile Co., 52 Vanderbilt Ave., New York.
American Enameled Magnet Wire Co., Muskegon, Mich.
American Encaustic Tiling Co., tile mfrs., 16 E. 41st, New York.
American Encaustic Tiling Co., Ltd., Zanesville, O.
American Engine & Airplane Co., pistons, 2869 W. Pico, Los Angeles, Cal.
American Engine & Boiler Works, Tonawanda, N. Y.
American Engine & Fdry. Co., farm elec. ltg. systems, Charles City, Ia.
American Engine Co., 92-120 Boston St., Detroit, Mich.
American Engineering Co., Aramingo Ave., and Cumberland St., Philadelphia, Pa.
American Envelope Co., 817 W. Washington Blvd., Chicago.
American Envelope Mfg. Corp., 23 Howard St., New York.
American Envelope Co., The, West Carrollton, O.
American Equipment Company, Norristown, Pa.
American Evaporator Co., 803 N. Front, Philadelphia, Pa.
American Ever Ready Works, see National Carbon Co. (successors).
American Expansion Bolt Co., 1743 Carter, New York.
American Export Corp., 11 Broadway, New York.
American Exporter, (The) trade publication, 370 7th Ave., New York.
American Extract Co., 10H S. La Salle, Chicago, Ill.
American Face Brick Assn., Fulton Bldg., Pittsburgh, Pa.
American Fastener Co., 54 Maple, Waterbury, Conn.

AMERICAN FELT CO., 211 Congress St., Boston, Mass.
Pres.—Wm. H. Sweatt.
Treas.—Gerald A. Bramwell.
Chicago—325 S. Market St., H. W. Jarrow.
New York—114 East 13th St., S. W. Richardson.

American Felt Co., 114 E. 13th St., New York.
American Fence Construction Co., 130 W. 34th St., New York.
American Fertilizer, trade publications, 1010 Arch, Philadelphia, Pa.
American Fertilizing Co., Norfolk, Va.
American Fibre Chair Seat Corp, 510 Van Alst Ave., Long I. City, N. Y.
American Fibre Co., Jacksonville, Fla.
American Fibre Pkg. Co., div. of Am. Box Board Co., Grand Rapids, Mich.
American Fidelity Co., insurance, Montpelier, Vt.
American File Renewing Co., 85 Kimball, Providence, R. I.
American Film Co., moving picture films, 6227 B'way, Chicago, Ill.
American Filter Co., 665 Buffum, Milwaukee, Wis.
American Fire Apparatus Co., 30 E. 42nd St., New York.
American Fire Brick Co., 1102 N. Monroe St., Spokane, Wash.
American Fire Clay & Products Co., 910 American Trust Bldg., Cleveland, O.
American Fisheries Co., ship bldr., Bellingham, Wash.
American Fixture & Mfg. Co., Troy, Ohio.
American Fixture Co., 232 W. Water St., Milwaukee, Wis.
American Flag Co., 73 Mercer, New York.
American Flag Mfg. Co., Easton, Pa.
American Flexible Bolt Co., Pittsburgh, Pa. (Now Premier Staybolt Co., Pittsburgh, Pa.)
American Flint Co., Iron City, Tenn.
American Floor Surfacing Machine Co., 518 St. Clair St., Toledo, O.
American Flyer Mfg. Co., toys, games & nov., 2219 S. Halsted, Chicago, Ill.
American Folding Machine Co., paper folding machines, Warren, Ohio.

AMERICAN FOREST PRODUCTS CO., packing pads, etc., 24th & Race, Philadelphia, Pa.

AMERICAN FORGE & MACHINE CO., The, Canton, Ohio.
Treas. & Gen. Mgr.—H. C. Haight.
Factory Mgr.—C. W. Stover.

American Forge Co., 25 Tehama, San Francisco, Cal.
American Forge Co., 2503 Blue Island Ave., Chicago.
American Forge Works, 1428 13th St., Denver, Colo.
American Forging & Socket Co., Pontiac, Mich.
American Forging Co., Clifton, N. J.
American Fork & Hoe Co., Ashland & Fkd. Crk., Philadelphia, Pa.
American Fork & Hoe Co., The, 701 Swetland Bldg., Cleveland, O.
American Foundry & Casting Co., 1st & Harshman St., Dayton, O.

AMERICAN FOUNDRY & CONSTRUCTION CO., 4700 Second av., Pittsburgh, Pa.....Page 1074
Pres. & Gen. Mgr.—Morgan B. Schiller.
V. P.—Robt. Whyte.
Sec. & Treas.—Irvin G. Miles.
Asst. Sec. & Treas.—Jas. McCutcheon.
Branch Office:
N. Y.—New York, S. C. Carrier, Mgr., 30 Church St.

American Foundry & Furnace Co., Bloomington, Ill.
American Fdry., gray iron cast, 922 Date, Los Angeles, Cal.
American Fdry. & Mach. Co., Hamilton, Ohio.
American Fdry. & Mfg. Co., galvanizing wks., Frederick, Md.
American Foundry & Mfg. Co., 10th, 11th, Herbert and Wright Sts., St. Louis, Mo.
American Fdry. & Pipe Co., Penn Station, Pa.
American Foundry Co., 538 S. Warner av., Indianapolis, Ind.

AMERICAN FOUNDRY EQUIPMENT CO., 366 Madison Ave., New York.

AMERICAN FROG & SWITCH CO. (THE), Hamilton, Ohio.
Branch Offices:
Birmingham, Ala.—American Frog & Switch Co., Jefferson County Bank Bldg.
Chicago, Ill.—American Frog & Switch Co., Railway Exchange Bldg.
Detroit, Mich.—American Frog & Switch Co., 327 Ford Bldg.
Huntington, W. Va.—The Miller Supply Company.
New York, N. Y.—American Frog & Switch Co., Tribune Bldg.
Pittsburgh, Pa.—American Frog & Switch Co., Diamond Bank Bldg.
Richmond, Va.—Southeastern Supply Co., Mutual Bldg.
Washington, D. C.—American F., 812 McLachlen Bldg.

American Funeral Director, trade publication, Grand Rapids, Mich.
American Furnace Co., 2725 Morgan, St. Louis, Mo.
American Furn. & Fixture Co., 2823H, Lester, Richmond, Va.
American Furniture & Fixture Mfg. Co., kitchen tables, 2016 Violet, Los Angeles, Cal.
American Furn. Co., Dept. H, Batesville, Ind.
American Furn. Co., Dept. H, Martinsville, Va.
American Furn. Novelty Co., 2004H, W. Lake St., Chicago, Ill.
American Galco, Incorporated, 18 Fletcher St., New York.
American Gas Construction Co., Newtown, Iowa.
American Gas Furnace Co., Elizabeth, N. J.
American Gas Furnace Co., Spring & Lafayette, Elizabeth, N. J.
American Gas Journal, 53 Park Pl., New York.

AMERICAN GAS MACHINE CO., lamps, lighting systems, washing machines, etc., Albert Lea, Minn. & 78 Reade, New York.

American Gauze & Cotton Co., 406 Market St., St. Louis, Mo.
American Gear Co., 1702 S. Michigan Ave., Chicago.
American German Boiler Compound Co., 58 W. Washington, Chicago, Ill.
American Glass Co., 109 N. Los Angeles, Cal.
American Glass Co., Ada, Okla.
American Glass Spec. Co., lantern globes, Monaca, Pa.
American Glove Co., The, 2027 Churchill St., Chicago.
American Glue Co., 3630 Iron St., Chicago.
American Glue Co., 121 Beverly, Boston, Mass.
American Glycerin Co., Du Pont Bldg., Wilmington, Del.
American Governor Mfg. Co., Ltd., Anderson, Ind.
American Grain Separator Co., Erie & S. F. Essex, Minneapolis, Minn.
American Granite Co., Hardwick, Vt.
American Granite Co., 15th & Cleveland Aves., Milwaukee, Wis.
American Graphophone Co., Woolworth Bldg., New York.
American Grinder Mfg. Co., 148 Broadway, Milwaukee, Wis.
American Grocer, trade publication, 90 Broadway, New York.
American Guard Rail Fastener Co. See M. W. Supply Co. (successors).
American Gum Products Co., 200 5th Ave., New York.
American Gypsum Co., Port Clinton, O.
American Haircloth Co., 1 Cross St., Pawtuckett, R. I.
American Hair Felt Co., 130 N. Wells St., Chicago.
American Hair Felt Co., 41st & Madison Ave., New York.
American Hair Felt Co., 139 Lockwood St., Newark, N. J.
American Hame & Bit Co., mchsts. & fndrs., 59 N. J. R. R. Ave., Newark, N. J.
American Hammered Piston Ring Co., ft. of Hamburg, Baltimore, Md.
American Hand Brake Co., 359 Railway Exchange, Chicago.
American Handle Co., Jonesboro, Ark.
American Hard Rubber Co., 11 Mercer St., New York
American Hard Rubber Co., rubber goods mfrs., E. Market & Seeberling, Akron, Ohio.
American Hard Wall Plaster Co., Utica, N. Y.
American Hardware & Equip. Co., Charlotte, N. C.
American Hardware & Supply Co., 43 Terminal Way, Pittsburgh, Pa.
American Hardware Corp., New Britain, Conn.
American Hdw. Corp., of N. Y., Woolworth Bldg., New York.
American Hardware Jobbers' Directory, 1701 Arch, Philadelphia, Pa.
American Hdwe. Stores, Inc., hdwe., mill, facty. & auto supplies, Fairfield & Middle, Bridgeport, Conn.
American Hardware Co., 1900 E. 15th, Los Angeles, Calif.
American Hardwood Lumber Co., ft. of N. Market St., St. Louis, Mo.
American Hardwood Manufacturers' Association, Bank of Commerce Bldg., Memphis, Tenn.
American Hatter, trade publication, 1225 B'way, New York.
American Heater Co., 1100 N. 6th, St. Louis, Mo.
American Heating Co., Duluth, Minn.
American Heating & Plbg. Corp., 189 N. Clark St, Chicago.
American Heating & Supply Co., Rockford, Ill.
American Heating Spec. Co., Box 344, Peru, Ind.
American Hide & Leather Co., 1330 Elston Ave., Chicago, Ill.
American High Speed Chain Co., 225 E. South St., Indianapolis, Ind.
American High Speed Press Co., 521 W. 23rd, New York.
American Hoist & Derrick Co., Works and Main Offices 63 S. Robert St., St. Paul, Minn.

AMERICAN HOLLOW BORING CO., 1055 W. 19th St. Erie, Pa.
Pres.—J. S. Gillespie.
Sec. & Treas.—Chas. E. Mueller.

American Hominy Co., 1857 Gent Ave., Indianapolis, Ind.
American Hone Co., Olean, N. Y.
American Horse Shoe Co., Phillipsburg, N. J.
American Hosiery Co., 267 Park Ave., New Britain, Conn.
American House Wrecking Co., 3800 Milwaukee Ave., Chicago.
American Huhn Metallic Packing Co., 1391 Sedgwick Ave., New York.
American Hydraulic Stone Co., Denver, Colo. (Now The Ferguson Synstone Co.)
American Ice Co., Center Bldg., Philadelphia, Pa.
American Incubator Mfg. Co., New Brunswick, N. J.
American Industrial Development Co., 85 2d, San Francisco, Cal.
American Industrial Engineering Co., 1319 N. Branch St., Chicago.
American Industrial Furnace Corp., 185 Devonshire Square, Boston, Mass.
American Industries, trade publication, 50 Church, New York.
American Injector Co., 175 Fourteenth Ave., Detroit, Mich.
American Institute of Architects, New York Ave., Washington, D. C.
American Instrument Works, Inc., 18 E. Lacock St., Pittsburgh, Pa.

AMERICAN INSULATED WIRE & CABLE CO., Office and Factory, 954 to 964 W. 21st St., Chicago.
Pres.—Nathan T. Brenner.
V. P.—L. G. Brenner.
Secy.—Meyer B. Mervis.
Treas.—Norman T. Brenner.

American Insulating Machinery Co., Fairhill & Huntingdon Sts., Philadelphia, Pa.

AMERICAN INSULATION COMPANY, Nicetown, Philadelphia, Pa.
Pres.—John W. Latchum.
V. P. & Sec.—Benj. T. Conwell, Jr.
Sales Mgr.—S. P. Moffit.
Distributors:
ALA.—Mobile—Underwood Coal & Supply Co., 6 & 8 St. Joseph St.
LA.—Baton Rouge—Doherty Hdwe Co., 4441 Lafayette St.
MD.—Baltimore—Wallace & Gale Co., 115 S. Gay St.
MASS.—Boston—Nightingale & Childs Co., 205 Congress St., Congress 1041.
NEB.—Omaha—Omaha Asbestos & Roofing Co., 1114 Jackson St.
N. Y.—Buffalo—Niagara Asbestos Corp., 11 Terrace, Seneca 2080.
PA. — Pittsburgh—American Insulation Co., 1102 Standard Life Bldg., Court 5551.
TEX.—San Antonio—Vodrie Roofing Co., 807 E. Houston St.

American Insulator Co., Inc., New Freedom, Pa.
American Iron & Metal Co., scrap, 1417 7th, Oakland, Cal.
American Iron & Supply Co., Marietta, O.
American Iron & Wire Works, 1623 Carroll Ave., Chicago.
American Iron Products Co., 107 Liberty St., New York.
American Iron Works, machinists, Louisville, Ky.
American Ironing Machine Co., 844 W. Adams St., Chicago.
American Jobbers' Supply Co., cross arms & pole line hdwe., 233H Broadway, New York.
American Kardex Co., Inc., Tonawanda, N. Y.
American Keith Co., Inc., 26 Cortlandt St., New York.
American Kersey Co., woolen batting, Litchfield, Minn.
American Key Can Co., 140 S. Dearborn St., Chicago.
American Keyless Lock Co., 619 W. Jackson, Chicago, Ill.

AMERICAN KNIFE CO., THE, Baldwinsville, N. Y.
Pres. & Treas.—A. J. Tooley.
Secy.—E. J. Tooley.

American Knitting Co., bathing suit mfrs, Honesdale, Pa.
American Knitting Co., bathing suits, Waltham, Mass.
American Knitting Mills, sweaters, etc., Central Trust Bldg., Philadelphia, Pa.
American Kron Scale Co. (Automatic Springless Dial Scales), 430 E. 53rd St., New York.
American Label Co., 216 W. 18th St., New York.
American Label Mfg. Co., Cross & Covington, Baltimore, Md.
American Lace Leather Co., Inc., Richmond, Va.
American Lace Paper Co., 908 Chestnut, Milwaukee, Wis.
American-La France Fire Engine Co. of Illinois, 3330 S. Michigan Ave., Chicago.

AMERICAN-LA FRANCE FIRE ENGINE CO., INC., Elmira, N. Y.

American Lamp Works, 256 W. 55th, New York.
American Laundry Machinery Co., Ross & Section Aves., Cincinnati, O.
American Lava Corp., 27 Williams St., Chattanooga, Tenn.
American Lawn Mower Co., Muncie, Ind.
American Lead Burning Co., Inc., 30 Church St., New York.
American Lead Co., bar, 3116 Penn Ave., Pittsburgh, Pa.
American Lead Co., 160 Leroy St., New York, N. Y.
American Lead Pencil Co., 220 Fifth Ave., New York.
American Leather Co., 116 South, Boston, Mass.
American Leather Mfg. Co., Newark, N. J.
American Leather Products Co., 22d & Montelm, Indianapolis, Ind.
American Leather Sales Co., Peabody, Mass.
American Letter Co., Inc., 454-60 I. W. Hellman Bldg., Los Angeles, Calif.
American Lime & Stone Co., Bellefonte, Pa.
American Limestone Co., 1217-18 Holston Nat'l Bank Bldg., Knoxville, Tenn.
American Linoleum Mfg. Co., 230 5th Ave., New York.
American Linseed Co., 263 5th, New York.
American Linseed Co. of Mich., 911 Maj. Bldg., Detroit, Mich.
American Linseed Co., 3147 Roanoke Rd., Kansas City, Mo.
American Linseed Co., Woolworth Bldg., New York.
American Liquid Meter Co., Chamber of Commerce Bldg., Portland, Ore.
American Lithographing & Printing Co., Des Moines, Ia.
American Lock Nut & Tool Co., mchsts. & fdrs., Oregon, Ill.

AMERICAN LOCOMOTIVE COMPANY, 30 Church St., New York.
Chicago—McCormick Bldg., G. G. Jones, Arthur Haller, C. O. Rogers.
Dallas, Tex.—Praetorian Bldg., W. D. Jenkins.
Houston, Tex.—2nd National Bank Bldg., W. D. Jenkins.
Portland, Ore.—Zimmerman-Wells-Brown.
Richmond, Va.—American Locomotive Co., Ross Anderson, Ben. Woody.
St. Louis, Mo.—Syndicate Trust Bldg., E. C. Fisher, C. C. Wyant.
San Francisco, Cal.—Rialto Bldg., W. E. Corrigan.
Export Sales Agts.—American Locomotive Sales Corporation.
Representatives:
Argentine—Henry N. Fuyat, Cangallo 499, Casilla 1172, Buenos Aires, Argentine.
Cable Address.—Amloco, Baires.
Brazil, S. A.—American Locomotive Sales Corp., 107 Avenida Rio Branco, Caixa 1852, Rio de Janeiro, Brazil.
Cable Address.—Amloco, Rio.
China.—F. M. Titus, 24 Ship Chia, Hutung, Pekin, China.
Cable Address—Locomotive, Pekin.
China, Japan, Formosa and Siam.—Mitsui & Co., 1 Suruga Cho., Tokio, Japan.
Cable Address.—Mitsui, Tokio.
Columbia—W. E. Moore, Edifico Lopez 226, Bogota Columbia.
Cable Address—Amloco, Bogota.
Cuba—Henry W. Boocock, American Locomotive Sales Corp., Edificio The Royal Bank of Canada, 415-416 Aguiar y Obrapia, Havana.
Cable Address—Alsalesco, Havana.
Europe.—McCeney Werlich, 3 rue Taitbout, Paris, France.
Cable Address.—Lococorp, Paris.
Great Britain and Colonies.—Davis & Lloyd, 26 Victoria St., Westminster, London, Eng.
Cable Address.—Sivad, London.
Hawaii.—B. F. Dillingham & Co., Ltd., Honolulu, Hawaii.
Cable Address.—Dilpax, Honolulu.
Mexico.—G. L. Miner, Avenida Uruguay 60, Mexico City, Mexico.
Philippine Islands.—Catton Neill Engineering & Machinery Co., 25 Santa Cruz Bldg., Manila, P. I.
Cable Address.—Nottac, Manila.
Portuguese East Africa.—Allen, Wack & Shepherd, Ltd., Lourenco Marques, Delogoa, Bay, Portuguese East Africa.
Cable Address.—Phaine Lourenco Marques.
West Coast South America.—Henry N. Fuyat, Huerfanos 761 Of. 19, Casilla 611, Santiago, Chili.
Cable Address.—Amloco, Santiago.

American Locomotive Sander Co., now the United States Metallic Packing Co., 429 N. 13th St., Philadelphia.
American Logging Co., Evart, Mich.
American Loom, Harness & Reed Co., Greenville, S. C.
American Loose Leaf Mfg. Co., 121 N. Green, Chicago, Ill.
American Lubricator Co., Summit Ave., Detroit, Mich.
American Lumber & Export Co., Title Guarantee Bldg., Birmingham, Ala.
American Lumber & Mfg. Co., Peoples Bank Bldg., Pittsburgh, Pa.
American Lumber Co., 901 S. Caroline, Baltimore, Md.
American Lumber Co., Duluth, Minn.
American Lumber Co., Albuquerque, N. M.
American Lumber Co., Merryville, La.
American Lumber Products Co., 28 City Hall Pl., New York.
American Lumberman, trade publication, 431 S. Dearborn, Chicago, Ill.
American Luminous Products Co., paint, powder, cardboard, radium, zinc salts, etc., Huntington Park, Cal.
American Luxfer Prism Co. (Now American 3-Way-Luxfer Prism Co.), 1309 S. 55th Court, Cicero, Ill.

AMERICAN MACHINE & FOUNDRY CO., cigar & cigarette packing & tobacco machy., 5520 2nd Ave., Brooklyn, N. Y.

American Machine & Mfg. Co., Atlanta, Ga.
American Machine & Mfg. Co., sale book presses & spec. machy., 441 Folsom, San Francisco, Calif.
American Mach. & Mfg. Co., see Davidson-Kennedy Co. (successor).
American Mach. Co., paper slitting & tagging machy., Newark, Del.
American Machine Co., Newark, O.
American Machine Products Co., 18th at Howard St., Detroit, Mich.
American Machine Products Co., see Ampco Twist Drill & Tool Co. (successor)
American Machine Tool Co., Hackettstown, N. J.
American Mach. Works, dealers, 518-24 4th, Oakland, Cal.
American Machinery & Supply Co., Omaha, Neb.
American Machinery Co., mchsts. & fdrs., Port Huron, Mich.
American Machinery Co., 103 W. Water St., Milwaukee, Wis.
American Machinery Co., 97 S. Forsythe St., Atlanta, Ga.
American Machinery Co., Inc., 330 N. 12th St., Philadelphia, Pa.
American Machinery Exchange, 217 Center St., New York.
American Machinist, trade publication, 10th Ave. & 36th, New York.
American Magnesia & Covering Co., magnesia pipe coverings, Plymouth Meeting, Pa.
American Magnesium Corp., ferro-metals, magnesium, Niagara Falls, N. Y.
American Magnestone Corp., stucco, Springfield, Ill.
American Mailing Device Corp., 203 E. 12th St., New York.
American Maize Products Co., 203 E. 12th St., New York.

AMERICAN MALLEABLE CASTINGS ASS'N, The, 2013 Union Trust Bldg., Cleveland, O.

American Malleable Castings Co., Marion, O.
American Malleable Co., machinists, Owosso, Mich.
American Malleables Co., Lancaster, N. Y.

AMERICAN MANGANESE BRONZE CO., 3501 Rhawn, Philadelphia, Pa.

American Manganese Mfg. Co., Dunbar, Pa.

AMERICAN MANGANESE STEEL CO., 395 E. 14th St., Chicago Heights, Ill.

Branch Offices:
Chicago.—McCormick Bldg.
New York.—30 Church St.
Offices in Conjunction with Plants:
Denver, Colo.
New Castle, Del.
Oakland, Cal.

American Manicopy Typewriter Co., Hammond, Ind.
American Manifold Products Corp., 2900 Darwin Terrace, Chicago.
American Manufacturing Co., 5810 S. Normandie, Los Angeles, Cal.
American Mfg. Co., catalog envelopes & shipping tags, Battle Creek, Mich.
American Mfg. Co., filters, Dayton, O.
American Mfg. Co., grass catchers, Columbus, O.
American Mfg. Co., soda water fountains, Memphis, Tenn.
American Mfg. Co., table silverware, Meriden, Conn.
American Mfg. Co., New Orleans, La.
American Mfg. Co., 172 Atlantic Ave., Boston, Mass.
American Mfg. Co., Noble and West Sts., Brooklyn, N. Y.
American Mfg. Co., Chestnut & Water Sts., Chattanooga, Tenn.
American Mfg. Concern, Falconer, N. Y.
American Mfrs. Supply Co., wiping cloths, 1415 Orleans, Detroit, Mich.
American Marble & Mosaic Co., 25 Columbia Square Ave., San Francisco, Cal.
American Marble Mosaic Co., 532 Market St., Milwaukee, Wis.
American Marine Brass Foundry Co., 203 Diamond, Brooklyn, N. Y.
American Marine Paint Co., (Inc.) 15 Moore St., New York.
American Marine Supplies Co., whol. hdwe., 260 Market, Newark, N. J.
American Mason Safety Tread Co., 125 Perry St., Lowell, Mass.
American Materials Co., 101 Park Ave., New York.
American Mattress Co., 294 Harrison Ave., Boston, Mass.
American McKenna Process Co., 373 Broadway, Milwaukee, Wis.
American Metal Bearing Co., 601 E. 3d, Los Angeles, Cal.
American Metal Bed Co., 42 Clifton, Newark, N. J.
American Metal Cap Co., 2 Summit St., Brooklyn, N. Y.
American Metal Ceiling Co., 315 Vanderbilt Ave., Brooklyn, N. Y.
American Metal Co., Ltd., The, 61 Broadway, New York.
American Metal Furniture Co., dental & surgical furn., 325 W. 17th, Indianapolis, Ind.
American Metal Fusing & Cutting Co., autogenous welding, 1004 Stunter, Long Island City, N. Y.

AMERICAN METAL HOSE CO., flexible metallic hose & tubing mfrs., Waterbury, Conn.

American Metal Moulding Co., 145 N. J. R. R. av., Newark, N. J.
American Metal Parts Co., piston rings, 8 Decatur, Boston, Mass.
American Metal Polish Co., West Somerville, Mass.
American Metal Products Co., 33rd Ave. & Burnham St., Milwaukee, Wis.
American Metal Products Co., 6148 Cottage Grove Ave., Chicago.
American Metal Products Co., 12-27 Liberty St., Brooklyn, N. Y.
American Metal Products Corp., 5857 Manchester Ave., St. Louis, Mo.
American Metal Treatment Co., Elizabeth, N. J.
American Metal Ware Co., bedstead mfrs., sheet metal stamping, 368 W. Huron, Chicago, Ill.
American Metal Weatherstrip Co., Grand Rapids, Mich.
American Metal Works, 314-28 Armat St., Philadelphia, Pa.
American Metallic Packing Co., Lexington, Ky.
American Metallic Packing Co., North Side, Pittsburgh, Pa.
American Meter Co., 105 W. 40th St., New York.
American Meter Co., 17th & Clearfield, Philadelphia, Pa.
American Mica Co., Lower Falls, Mass.
American Mica Products Co., 1015 N. Halsted, Chicago, Ill.
American Mica Wks. Co., 47 West St., New York.
American Milk Co., canned, 324 W. Kinzie, Chicago, Ill.
American Mill Co., lumber, Aberdeen, Wash.
American Milling Mach. Co., Richmond & McLean, Cincinnati, O.
American Mills Co., woolen carriage cloth, Rockville, Conn.
American Mills Co., Atlanta, Ga.
American Mills Co., cotton & elastic webbing, 313 Mills, Waterbury, Conn.
American Mills Co. of N. Y., 434 Broadway, New York
American Mine Door Co., 2037 Dueber av., S. W., Canton, O.
American Mineral Co., talc mfrs., soapstone, Johnson, Vt.
American Mineral Production Co., magnesite, Valley, Wash.
American Mining Tool Co., Ottumwa, Ia.
American Mirror Co., 160 Reed, Milwaukee, Wis.
American Mirror Works, Butler, Pa.
American Moistening Co., 120 Franklin, Boston, Mass.
American Monolith Co., 97 Wisconsin Ave., Milwaukee, Wis.
American Morocco Case Co., 665 5th av., New York.
American Mosaic & Tile Co., Louisville, Ky.

AMERICAN MOTOR BODY CORP., The, 1800 W. Lehigh Ave., Philadelphia, Pa. (See Hale-Kilburn Company.)

American Motorcycle Co., 616 Underhill, Louisville, Ky
American Motor Equip. Co., 181 Massachusetts Ave., Boston, Mass.
American Motor Truck & Tractor Co., Portland, Conn.
American Motor Truck Co., The, Newark, O.
American Motor Vehicle Co., Lafayette, Ind.
American Motors Corp., The, Plainfield, N. J.
American Motors, Inc., 100 Broad St., New York.
American Multiple Fabric Co., 183 Hartford av., Providence, R. I.
American Multigraph Sales Co., 1830 E. 40th St., Cleveland, O.
American Name Plate Co., 352 Atlantic av., Boston, Mass.

AMERICAN NAME PLATE MFG. CO., INC., 267 Wyckoff, Brooklyn, N. Y.

American National Co., children's vehicles, doll & baby carriages, invalid chairs, velocipedes & coaster wagons, etc., Toledo, O.
American Needle Works, The, 12 Wooster St., New York.
American Net & Twine Co., 575 Atlantic av., Boston, Mass.
American News Co., Inc., 9-15 Park Pl., New York.
American Nickel Corp., 743 Olive Bldg., Pittsburgh, Pa.
American Nickel Corp., Clearfield, Pa.
American Nickel Works, 1201 Cortland Ave., Chicago.
American Nickeloid Co., Peru, Ill.
American Nitrogen Products Co., Seattle, Wash.
American Nokol Co., oil burners, 215 N. Michigan av., Chicago, Ill.
American Novelty Paper Co., Saugerties, N. Y.
American Novelty Works, dowels & wood handles, Wellsville, N. Y.
American Numbering Mach. Co., 224-6 Shepherd Ave., Brooklyn, N. Y.
American Nut & Bolt Fastener Co., The, Ontario and and Doerr Sts., Pittsburgh, Pa.
American Nut Company, The, 391 Dennison Ave., Columbus, Ohio.
American Oak Leather Co., 211 W. Lake St., Chicago
American Oak Leather Co., Kenner, Dalton & McLean avs., Cincinnati, O.
American Oil & Disinfectant Co., 114 5th av., New York.
American Oil & Supply Co., 238 Wilson av., Newark, N. J.
American Oil & Tank Line Co., petroleum, St. Paul, Minn.
American Oil Co., Jackson, Mich.
American Oil Co., lubrg. oils, Dexter rd., Baltimore, Md.
American Oil Co., 180 S. Water St., Providence, R. I.
American Oil Products Co., hydrogenated oils, Logansport, Ind.
American Oil Pump & Tank Co., Findlay & Dalton, Cincinnati, O.
American Oil Refining Co., boiler compounds, 1866 Milwaukee, Chicago, Ill., and 325 Walton av., New York.
American Oil Treating & Hardening Co., lubrg. oils, June & Long, Cincinnati, O.
American Oil Works, Titusville, Pa.
American Olive Co., canned, Los Angeles, Calif.
American Optical Co., Southbridge, Mass.
American Oven & Machine Co., 111 W. Washington St., Chicago.
American Overall Co., San Antonio, Tex.
American Oxygen Assn., 134 Eliot, Boston, Mass.
American Packing Co., canned goods, Everett, Wash.
American Pad & Paper Co., Holyoke, Mass.
American Pad & Textile Co., Greenfield, O.
American Paint & Glass Co., 131 Fort, W. Detroit, Mich.
American Paint & Oil Dealer, trade publication, American Paint Journal Co., Pontiac Bldg., St. Louis, Mo.
American Paint Journal, trade publication, American Paint Journal Co., Pontiac Bldg., St. Louis, Mo.
American Paint Products Co., 600 W. Bellgrave, Los Angeles, Calif.
American Paint Works, New Orleans, La.
American Paper & W. W. Co., 104-6-8 E. Pearl St., Cincinnati, O.
American Paper Box Co., Grand Rapids, Mich.
American Paper Co., envelopes, 1247 Utah, Seattle, Wash.
American Paper Exports, Inc., 136 Liberty St., New York.
American Paper Goods Co., Kensington, Conn.
American Paper Goods Co., 1327 W. Washington Blvd., Chicago.
American Paper Mills Corp., 237 Lafayette, New York.
American Paper Products Co., 2nd & Bremen Ave., St. Louis, Mo.
American Paper Products Co., East Liverpool, O.
American Paper Tube Co., Hazel St., Woonsocket, R. I.
American Papeterie Co., Albany, N. Y.
American Parlor Frame Co., Dept. H., Sheboygan, Wis.
American Parlor Furn. Co., 421H N. Lincoln, Chicago, Ill.
American Parquetry Floor Co., 1218 Chestnut, Philadelphia, Pa.
American Pattern Foundry & Machinery Co., 82 Church, New York.
American Pattern Mfg. Co., Keystone, Youngstown, O.
American Paving & Constr. Co., Marshall Bldg., Cleveland, O.
American Paving & Contracting Co., Monticello av., Baltimore, Md.
American Paving & Constr. Co., Marshall Bldg., Cleveland, O.
American Pearl Button Co., Washington, Ia.
American Pearl Button Works, 143 W. 19th, New York.
American Perforator Co., 621 Jackson, Chicago, Ill.
American Phonograph Co., talking machines, 322 E. 23d, New York.
American Photo Player Co., organs, 109 Golden Gate av., San Francisco, Calif.
American Photographic Paper Co., 2204 Washington, Boston, Mass.
American Piano Co., 437 5th Ave., New York.
American Pickle & Canning Co., Wiggins, Miss.
American Pig Tail Co., St. Marys, Pa.
American Pile Driving Co., Everett Water Front, Everett, Wash.
American Pin Co., 1655 Thomaston st., Waterbury, Conn.
American Pipe & Constr. Co., 1612 Market st., Philadelphia, Pa.
American Pipe Bending Machine Co., 103 Pearl St., Boston, Mass.
American Piston & Machine Co., 1340 Garfield Ave., Detroit, Mich.
American Pitch Co., sealing wax, etc., 414 Water, Cincinnati, O.
American Pitch Co., 139 E. Water, Cincinnati, O.
American Plaster Drill Co., 122 Throop Ave., Brooklyn, N. Y.
American Plate Glass Co., Kane, Pa.
American Plater's Supply Co., 212-14 W. Kinzie St., Chicago.
American Platinum Works, 225-231 N. J. R. R. Co., Newark, N. J.
American Playground Device Co., Anderson, Ind.
American Plumbers' Supply Co., Canton & Shepard Sts., Toledo, O.
American Plumbing & Steam Supply Co., Tacoma, Wash.
American Plumbing Mfg. Co., 349 Adams St., Brooklyn, N. Y.
American Plywood Corp., New London, Wis.
American Pneumatic Serv. Co., 82 Ames Bldg., Boston, Mass.
American Porcelain Co., The, East Liverpool, O.
American Portable House Co., Seattle, Wash.
American Post Office Equipment Co., 343 So. Dearborn St., Chicago.
American Powder Mills, 1002 Bd. of Trade Bldg., Boston, Mass.
American Press Brick Co., 6500 Easton av., St. Louis, Mo.
American Pressed Steel Co., Commercial Trust Bldg., Philadelphia, Pa.
American Pressing Iron Co., 145 W. 18th, New York.
American Printer, trade publication, 231 W. 39th, New York.
American Printers' Roller Co., printers' paste, glue, etc., 314 W. Grand av., Chicago, Ill.
American Printing Ink Co., 2314 W. Kinzie, Chicago, Ill.
American Printing Ink Co., 1127 W. 6th, Cincinnati, O.
American Process Co., 62 Williams St., New York.
American Prod. Sales Co., Grand Central Palace, New York.
American Production & Trading Co., 4805 S. Morgan St., Chicago.
American Propeller & Mfg. Co., 2332 E. Hamburg St., Baltimore, Md.

AMERICAN PULLEY CO., 4200 Wissahickon Ave., Philadelphia, Pa.

Branch Offices:
Cal., Los Angeles—Sunset Terminal Warehouse.
Cal., San Francisco—14 Natoma St.
Chicago—114-116 South Clinton St.
Mass., Boston—165 Pearl St.
New York—33-35 Greene St.
Wash., Seattle—536 First Ave., S.

Distributors:
ALA.—Birmingham—Crane Co. (Pulleys). Moore-Handley Hdwe. Co. (Pulleys).
Mobile—Turner Supply Co. (Pulleys), Phone Exchange 2235.
Montgomery—Alabama Machinery & Supply Co. (Pulleys), Phone 9911.
Selma—Union Iron Works Co. (Pulleys), Phone 8.
Tuscaloosa—Allen & Jemison Co. (Pulleys). Phone Main 38.
ARK.—Helena—Reichman Crosby Co. (Pulleys). Main 451-452.
Little Rock—Hollis & Co. (Pulleys).
Rosenbaum Machinery Co., C. E. (Pulleys), Phone 7555.
Texarkana—Buhrman Phar Hardware Co. (Pulleys).
CALIF.—Fresno—Fresno Agricultural Works (Pulleys.)
Livingston—Edwin A. O'Donnell.
Los Angeles—Bodinson Mfg. Co., 335 S. San Pedro, Tucker 5046 (Hangers & Pulleys).
Fairbanks-Morse & Co., 427 E. 3rd St. (Hangers & Pulleys), Trinity 9311.
Hartwell Co., R. M., 229 E. 2nd St. (Hangers & Pulleys), Main 0300.
Industrial Supply Co. (Pulleys).
Link-Belt-Meese & Gottfried Co. (Pulleys), 400 E. 3rd St., Main 3936.
Pacific Mill & Mine Sup. Co., 310 E. 3rd St. (Hangers & Pulleys), Metropolitan 0441.
Stephens-Adamson Mfg. Co., 414 S. 3rd St. (Hangers & Pulleys), Trinity 8248.
Waterhouse & Lester Co., 447 E. 3rd St. (Hangers and Pulleys), Trinity 2617.
Webster-Brinkley Co. (Pulleys).
Oakland—Doak Gas Engine Co. (Pulleys).
Premier Machy. Co. (Pulleys).
Sacramento—Latourette-Fical Co. (Hangers & Pulleys), Main 19.
San Diego—Hazard, Gould & Co. (Pulleys), Main 820.
San Francisco—Baker, Hamilton & Pacific Co., 700 7th St. (Hangers & Pulleys), Park 7000.
Bodinson Mfg. Co., 11 Minna (Hangers & Pulleys), Sutter 6614.
Fairbanks-Morse & Co., Spear & Harrison (Hangers & Pulleys), Douglas 3585.
General Machinery & Sup. Co., 39 Stevenson (Hangers & Pulleys), Sutter 6750.
Link Belt-Meese & Gottfried Co., 19th & Harrison (Hangers & Pulleys), Mission 345.
Pacific Mill & Mine Sup. Co., 616 Mission (Hangers & Pulleys), Karney 4120.
Waterhouse & Lester Co., 540 Howard (Hangers & Pulleys), Garfield 4040.
San Jose—Smith Mfg. Co. (Pulleys).
Stockton—Geiger Iron Works (Hangers & Pulleys), Phone 1898.
West Berkeley—Bryon Jackson Iron Works (Pulleys).
COLO.—Denver—O'Fallon Sup. Co., M. J. (Pulleys), Main 6530.
CONN.—Bridgeport — Hawley Hardware Co. (Pulleys), Barnum 170-171-7192.
Derby—Hallock & Co., F. (Pulleys), Phone 188.
Hartford—Ensworth & Son, L. L. (Pulleys), Phone 2-3127.
New Britian—Rackliffe Bros. Co., Inc. (Pulleys).
New Haven—Mersick & Co., C. S. (Pulleys), Liberty 4130.

(Continued on following page)

AMERICAN PULLEY CO.—Continued.
Norwich—Norwich Belt Mfg. Co. (Pulleys). Phone 842-843.
So. Norwalk—Morgan, Albert D. (Pulleys).
Waterbury—Templeton, Inc., Chas. A. (Pulleys), Waterbury 5000.
Willimantic—Jordan Hardware Co. (Pulleys).
Winsted—Merwin & Brown Co. (Pulleys), Phone 367.
DELA.—Wilmington—Delaware Electric & Sup. Co. (Pulleys), 1576 Wilmington.
DIST. OF COL.—Washington—National Electrical Sup. Co. (Pulleys), Main 6800.
FLA.—Dunedin—Skinner Machinery Co. (Pulleys), Phone 2046-6181.
Jacksonville—Cameron & Barkley Co. (Pulleys), Phone 1116.
Christopher Co., J. G. (Pulleys), Phone 468.
Georgia Supply Co. (Pulleys), Phone 2147.
Miami—Lyne Fdry. & Mach. Co., C. H. (Pulleys).
Orlando—Cain O'Berry Boiler Co. (Pulleys), Phone 89.
Tampa—Cameron & Barkley Co. (Pulleys), Phone 2698-2699.
Knight & Wall Co. (Pulleys).
GA.—Albany—Albany Hardware & Mill Sup. Co. (Pulleys), Phone 229.
Atlanta—J. M. Tull Rub. & Sup. Co. (Pulleys).
Augusta—Lombard Iron Works & Sup. Co. (Pulley), Phones 26, 27 and 28.
Columbus—Columbus Iron Works Co. (Pulleys), Phone 3274.
Macon—Schofields Sons Co., J. S. (Pulleys), Phone 4771.
Rome—Battey Machinery Co. (Pulleys), Phone Local 133, Bell 9903.
Savannah—Georgia Supply Co., Phones 747-748.
ILL.—Bloomington—Kelser-VanLeer Co. (Pulleys), Phone 118.
Cairo—McCarthy & Malinski (Pulleys).
Chicago—W. D. Allen Mfg. Co., 566 W. Lake St. (Pulleys), Main 0473.
Carpenter & Co., Geo. B. 436 N. Wells St. (Pulleys) Franklin 6000.
Channon Co., H., 149 N. Market (Pulleys), Fra 0380.
Clinton Supply Co., 110 S. Clinton (Pulleys), Main 5064.
Frank P. Frey & Co., 122 Curtis st. (Pulleys).
Lindahl Machine Co., H., 954 W. Lake St. (Pulleys), Monroe 2653.
Passman Bros., 705 W. Washington Blvd. (Pulleys), Monroe 6960.
Reeves-Bond Sales Co., 39 S. Clinton st. (Pulleys).
Street & Co., R. R., 28 N. Clinton st. (Pulleys).
Chicago Heights—Gordon Supply Co. (Pulleys) Chicago Heights 562.
Harvey—Austin Mfg. Co. (Pulleys).
Moline—John J. Normoyle & Co. (Pulleys).
Peoria—Couch & Heyle (Pulleys), Phones 4-2330, 4-2331.
Rockford—Swerds Bros. Co. (Pulleys).
IND.—Anderson—May Supply Co. (Pulleys), Phone 39.
Evansville—Evansville Supply Co. (Pulleys), Local, Main 7100—Bell, Main 9908.
Fort Wayne—National Mill Supply Co. (Pulleys), Main 2332.
Hammond—McLaughlin Mill Supply Co., Inc. (Hangers & Pulleys).
Indianapolis—Taylor Belting Co. (Pulleys).
Vonnegut Machinery Co. (Pulleys).
Marion—Hogin, McKinney & Co. (Pulleys).
Muncie—Kelser Company, Geo. (Pulleys), Phone 45-46.
Terre Haute—Industrial Supply Co. (Pulleys), Wabash 8033.
IA.—Cedar Rapids—C. E. Fawcett (Pulleys), Phone 287.
Dubuque—Voggenthaler & Co., E. J. (Pulleys).
Marshalltown—Fisher Supply Co. (Hangers & Pulleys), Phone 1119.
KANS.—Hutchinson—Nelson Mfg. & Supply Co. (Pulleys), Phone 880.
Topeka—Western Fdry. & Machine Works (Pulleys), Phone 6030.
Wichita—White Star Co. (Pulleys), Market 374, Bell 119.
KY.—Louisville—Neill-LaVielle Supply Co., Inc. (Pulleys & Hangers).
LA.—Alexandria—Brown Roberts Hardware Co., Ltd. (Pulleys).
Lake Charles—Murray Brooks Hardware Co. (Pulleys).
New Orleans—C. T. Patterson Co., Ltd. (Pulleys), Main 613.
Simonds Saw & Steel Co. (Pulleys), Main 241.
Shreveport—S. Bender Iron & Supply Co. (Pulleys & Hangers), Phone 979-5032.
ME.—Bangor—Snow & Nealley Co. (Pulleys). Lewiston—Carman-Thompson Co. (Pulleys), Main 19.
Portland—W. L. Blake Co. (Pulleys).
Edwards & Walker Co. Pulleys), Phone 152-153.
MD.—Baltimore—H. E. Crook Co., Inc. (Pulleys), Plaza 0510.
Salisbury—Gunby Co., L. W. (Pulleys).
MASS.—Andover—Shawsheen Sup. Co. (Pulleys).
Attleboro—Brownell Hardware Co. (Pulleys), Phone 628-14 R.
Boston—American Tool & Mach. Co., 10 High St. (Pulleys), Congress 3610.
Falls Clutch & Machinery Co., 54 Purchase St. (Pulleys), Main 5361.
Hinds & Coon, 126 Pearl St. (Pulleys), Main 1442.
New England Machinery Co., Purchase St. (Pulleys), Main 6948.
Page Belting Co. (Pulleys).
W. T. Shackley & Sons Co., 23 Wormwood (Pulleys), Main 1019.
Underwood Machinery Co., 110 Mt. Vernon (Pulleys), So. Boston 1300.
Brockton—Bostock & Sons, Thos. (Pulleys).
Kimball Bros. & Sprague (Hangers & Pulleys), Phone 917.
Cambridge—Olmsted-Flint Co. (Pulleys).
Fall River—Jefferson Borden & Son (Pulleys), Phone 934.
Fitchburg—Fitchburg Hardware Co. (Pulleys), Phone 1670.
Greenfield—S. Allen's Sons (Pulleys), Phone 303.
F. I. Webster Co. (Pulleys).
Holyoke—Chase & Coolidge (Pulleys), Phone 325.
Lawrence—Blandin & Co. (Hangers & Pulleys), Phone 2034.
McLanathan & Son, F. W. (Pulleys), Phone 5291-5290.
Lowell—Bartlett & Dow Co. (Pulleys).
W. W. Carey Co. (Pulleys).
Lynn—Harris & Co., F. B. (Pulleys), Lynn 3068.
New Bedford—S. C. Lowe Supply Co. (Pulleys & Hangers), Phone 4030.

AMERICAN PULLEY CO.—Continued.
Peabody—Hamlet & Hayes Co. (Pulleys), Peabody 3-4.
Pittsfield—Berkshire Mill Supply Co. (Pulleys), Phone 510.
Springfield—W. J. Foss Co. (Pulleys).
E. S. Stacy Supply Co. (Pulleys), River 363.
Taunton—Pierce Hardware Co. (Pulleys), Phone 57-58-59.
Turners Falls—F. I. Webster (Pulleys), Phone 65.
Winchester—Whitney Machine Co. (Pulleys), Phone 1060.
Woburn—Woburn Mach. Co. (Pulleys).
Worcester—Brierly-Lombard Co. (Pulleys), Park 4666.
Duncan & Goodell Co. (Pulleys), Park 2560.
Waite Hardware Co. (Pulleys), Park 4657.
MICH.—Detroit—Palmer-Bee Co., 2778 E. Grand Blvd. (Pulleys), Empire 2598.
Escanaba—Delta Hardware Co. (Pulleys), Phone 200.
Grand Rapids—Barclay, Ayers & Bertsch Co. (Pulleys), Phone 4353.
Kalamazoo—Bond Supply Co. (Pulleys).
Menominee—Northern Hardware & Supply Co. (Pulleys).
Muskegon—Peoples Hardware Co. (Pulleys & Hangers), Phone 2618-2619.
MINN.—Duluth—Marshall-Wells Co. (Pulleys), Melrose 2800.
Minneapolis—Power Equipment Co. (Pulleys).
St. Paul—Robinson Cary & Sands Co. (Hangers & Pulleys), Garfield 4341.
MISS.—Hattiesburg—Komp Machinery Co. (Pulleys), Phone 52.
Meridian—Soule Steam Feed Works (Pulleys), Phone 381.
MO.—Joplin—Landreth Machy. Co. (Pulleys), Phone 638-639.
Kansas City—English Brothers Machy. Co. (Pulleys), Olive 8527.
St. Louis—Byrnes Belting Co. (Pulleys), 226 Plum, Olive 8527.
E. M. & W. Engineering Co. (Pulleys), Olive 933.
Springfield—Schweitzer Bros. (Pulleys), Phone 377.
MONT.—Butte—Western Iron Works (Pulleys), Phone 445.
Great Falls—Great Falls Iron Works (Pulleys), Phone 9555.
NEB.—Omaha—John Day Rubber & Supply Co. (Pulleys), Jackson 1380.
N. H.—Concord—Page Belting Co. (Pulleys).
Keene—M. S. Perkins Machine Co. (Pulleys), Phone 1048-M.
Manchester—J. B. Varick Co. (Pulleys), Phone 4560.
Nashua—Hill Hardware & Paint Co. (Hangers & Pulleys), Phone 2070.
N. J.—Jersey City—E. A. Gibbons (Pulleys).
Newark—Crane Co. (Pulleys), Market 8020.
Ludlow & Squire (Pulleys), Mulberry 2280.
Passaic—H. W. Mills & Co. (Pulleys), Passaic 2890-2891.
Paterson—H. W. Mills & Co. (Pulleys), Sherwin 1911.
Trenton—Manufacturers Selling Co. (Pulleys & Hangers), Phone 7080.
N. Y.—Binghamton—Ellis W. Morse Co. (Pulleys), Phone 860.
Brooklyn—Kasper & Koetzle (Pulleys), Stag 3000.
Thomas W. Kiley & Co. (Hangers & Pulleys), Greenpoint 1100.
Buffalo—Buffalo Mill Sup. Co. Consolidated, Inc., 201 Main (Pulleys), Seneca 1561.
Peerless Mill Sup. Co., 186 Main St. (Pulleys), Seneca 4785.
Weed & Co., 95 Swan (Pulleys), Seneca 1818.
Elmira—Horton Machine Works, Inc. (Pulleys), Phone 325.
Glenn Falls—Theo. F. Kalbleisch (Pulleys).
Jamestown—Clark Hardware Co. (Pulleys), Phone 832.
Middletown—Buck Brothers (Hangers & Pulleys).
New York City—A. P. Dienst & Co., Inc., 2604 3rd Ave. (Pulleys), Mott Haven 5430.
Falls Clutch & Machinery Co. 206 Fulton (Pulleys), Cortland 5444.
Manning, Maxwell & Moore, Inc., 100 E. 42nd, Vanderbilt 6120 (Pulleys).
Power Transmission Co., 191 Lafayette (Pulleys), Canal 5429.
Frank Tracy, Inc., 202 Center st. (Hangers & Pulleys), Canal 3504.
Poughkeepsie—Tiffany Machine Shop (Pulleys).
Rochester—Haverstick & Co. (Pulleys), Phone 7906.
Syracuse—Syracuse Supply Co. (Pulleys), Phone 2—0342.
Troy—Troy Belting & Supply Co. (Pulleys).
Utica—Finney & Fuller, Inc. (Hangers & Pulleys)
N. C.—Asheville—Carolina Machinery Co. (Hangers & Pulleys), Phone 590.
Charlotte—Charlotte Supply Co. (Pulleys), Phone 2417-2418.
Elizabeth City—Elizabeth City Iron Works Sup. Co. (Hangers & Pulleys), Phone 12.
Fayetteville—Huske Hardware House (Pulleys), Phone 40-41.
Greensboro—Odell Mill Supply Co. (Pulleys), Phone 3068.
New Bern—Mill Supply Co. (Pulleys).
Raleigh—Dillon Supply Co. (Pulleys).
Sanford—Moffitt Iron Works Co. (Pulleys).
Washington—McKeel-Richardson Hdwe. Co. (Pulleys).
Wilmington—Hyman Supply Co. (Pulleys).
Winston-Salem—Kester Machinery Co. (Pulleys).
OHIO—Akron—Hardware & Supply Co., The (Pulleys), Main 2420.
Canton—Scioto Valley Supply Co. (Pulleys).
Cincinnati—E. A. Kinsey Co. (Pulleys), Main 4492.
Cleveland—Strong, Carlisle & Hammond Co. (Pulleys), Main 6760.
Columbus—Osborne & Sexton Machy. Co. (Pulleys), Main 565-566.
Dayton—Patterson Tool & Supply Co. (Pulleys).
East Liverpool—Milligan Hdwe. & Supply Co. (Pulleys), Phone 67.
Marietta—American Iron & Supply Co. (Pulleys), Phone 500.
Portsmouth—Standard Supply Co. (Pulleys), Phone 2030.
Springfield—M. D. Larkin Supply Co. (Pulleys), Main 2375.
Toledo—Coghlin-Kirby Machinery & Supply Co. Pulleys), Main 4854.
M. I. Wilcox Company (Hangers & Pulleys), Phone 7522—Bell, Adams 25.
Warren—Trumbull Mfg. Co. (Pulleys).
Youngstown—Stambaugh-Thompson Co. (Pulleys).
OKLA.—Muskogee—Atlas Supply Co. (Pulleys), Phone P. B. X. 3434.
Oklahoma City—Mideke Supply Co. (Pulleys).

AMERICAN PULLEY CO.—Continued.
ORE.—Baker—McKim & Son (Pulleys).
Bend—Bend Hardware Co. (Pulleys), Phone 8.
Klamath Falls—Lorenz Co., Ino (Pulleys & Hangers).
Marshfield—Baker-Isaacson Rope Co. (Hangers & Pulleys), Phone 536.
A. B. Daly & Co. (Hangers & Pulleys).
Medford—Hubbard Bros. (Hangers & Pulleys).
Portland—Coast Steel & Machy. Co. (Pulleys).
Fairbanks-Morse & Co. (Hangers & Pulleys).
Link-Belt—Meese & Gottfried Co. (Hangers & Pulleys).
Marshall-Wells Hdwe. Co. (Hangers & Pulleys). Broadway 3700.
Pacific Asbestos & Supply Co. (Pulleys).
Portland Machinery Co. (Pulleys).
Simonds Saw & Steel Co. (Hangers & Pulleys).
Salem—Salem Iron Works (Pulleys & Hangers).
Tillamook—Steinbach Iron Works (Pulleys).
PA.—Allentown—Wm. H. Taylor & Co. (Pulleys & Hangers), Phone Bell 1663.
Clearfield—Clearfield Machine Shops (Pulleys), Bell 215.
Erie—Erie Mfg. & Supply Co. (Pulleys), Mutual 2416—Bell 16.
Harrisburg—Gilbert & Sons, Henry (Pulleys).
Hazelton—Hazelton Machy. & Supply Co. (Pulleys), Bell 106.
Lancaster—Raub Supply Co. (Pulleys).
Oil City—Oil Well Supply Co. (Pulleys), Phone Bell 303.
Philadelphia — Chas. Bond Co., 617 Arch (Pulleys), Market 3990.
Cresson Morris Co., 18th & Alleghany (Pulleys), Tioga 2330.
Fifer & Beatty, Front & Lehigh (Hangers & Pulleys), Kensington 1676.
Sees & Faber, 2008 N. Front St. (Pulleys), Columbia 0530.
Pittsburgh—Somers, Fitler & Todd Co., 327 Water St. (Pulleys), Court 4860.
Transmission & Belting Co. (Pulleys).
Pottsville—Geo. Bright Hdwe. Co. (Pulleys).
Reading—Bright & Co. (Pulleys).
Ridgway—Elk Tanning Co. Machine Shop (Pulleys).
Scranton—Chas. B. Scott Co. (Pulleys), Phone 4221.
Warren—Pickett Hdwe. Co. (Pulleys), Phone 58.
Wilkes-Barre — Eastern Penna. Supply Co., (Pulleys), Phone 2206, Bell 920.
Williamsport—Keeler Co., E. (Pulleys).
R. I.—Pawtucket—W. K. Toole Co. (Pulleys), Pawtucket 2740.
Providence—Belcher & Loomis Hdwe. Co. (Hangers & Pulleys), Union 3332.
Brown Bros. Co. (Pulleys).
Providence Mill Supply Co. (Hangers & Pulleys).
Woonsocket—Woonsocket Supply Co. (Pulleys), Woonsocket 200.
S. C.—Charleston—Cameron & Barkley Co. (Pulleys), Phone 3660.
Columbia—Columbia Supply Co. (Pulleys).
Georgetown—Kaminski Hardware Co. (Pulleys), Phone 55L-55J.
Greenville—Carolina Supply Co. (Pulleys).
Spartanburg—Montgomery & Crawford (Pulleys), Phone 1647.
TENN.—Chattanooga—Mills & Lupton Supply Co. (Hangers & Pulleys), Phone M-6255.
Jackson—Southern Supply Co. (Pulleys), Phone 94-95.
Knoxville—C. M. McClung & Co. (Pulleys), Phone 2600.
Memphis—Riechman-Crosby Co. (Pulleys).
Nashville—Keith-Simmons & Co. (Pulleys), Phone Main 2475.
TEX.—Beaumont—E. L. Wilson Hdwe. Co. (Pulleys), Phone 3080.
Dallas—Briggs-Weaver Machy. Co. (Pulleys), Phone X 1451.
El Paso—Krakauer-Zork Co. (Pulleys), Main 1040.
Mine & Smelter Sup. Co. (Pulleys), Phone M-5720.
Fort Worth—Atlas Supply Co. (Pulleys).
Peden Iron & Steel Co. (Pulleys), Lomar 7980.
Houston—Peden Iron & Steel Co. (Pulleys), Preston 4870 X.
Lufkin—Lufkin Fdry. & Machine Co. (Pulleys) Phone 36—305 P. B. X.
Marshall—Hayes Machy. Co., E. B. (Pulleys), Phone 254.
Nacogdoches—Cason, Monk & Co. (Pulleys), Phone 63.
Orange—Sabine Supply Co. (Pulleys).
Paris—W. F. Dulaney & Sons (Pulleys), Phone 155-156.
San Antonio—Alamo Iron Works (Pulleys), Crockett 69.
San Antonio Mach. & Sup. Co. (Pulleys), Crockett 65.
Waco—D. June Machy. Co. (Pulleys), Phone 117—136.
San Antonio Mach. & Supply Co. (Pulleys).
UTAH—Salt Lake City—Gallgher Machy. Co. (Pulleys), Wasatch 584.
Salt Lake Hdwe. Co. (Pulleys), Wasatch 425.
VT.—Bennington—Olin Scott Machine Works (Pulleys).
Brattleboro—L. H. Stellman & Son (Hangers & Pulleys), Phone 908.
Burlington—Hager Hdwe. & Paint Co. (Pulleys), Phone 71.
Montpelier—Lane Mfg. Co. (Pulleys).
Rutland——Lincoln Iron Works (Hangers).
St. Johnsbury—Hooker Mfg. Co. (Pulleys), Phone 211-M.
VA.—Norfolk—Empire Machy. & Sup. Corp. (Pulleys), Phone 23641.
Petersburg—Appomattox Iron Works & Sup. Co. (Pulleys).
Stockdell-Myers Hdwe. Co. (Pulleys), Phone 11-12.
Pulaski—Robert Bunts Engineering Co. (Pulleys).
Richmond—Smith Courtney Co. (Pulleys), Madison 6335.
Suffolk—Thomas Hardware & Sup. Co. (Pulleys), Phone 191.
WASH.—Aberdeen—Grays Harbor Hdwe. Co. (Hangers & Pulleys), Phone 437.
L. G. Isaacson & Co. (Pulleys & Hangers), Phone 960.
Bellingham—Morse Hardware Co. (Hangers & Pulleys).
Everett—Agnew Hdwe. Co. (Pulleys).
Hoquiam—F. G. Foster Co. (Hangers & Pulleys), Phone 600.
Raymond—Foster-Isaacson Co. (Hangers & Pulleys), Phone 267.
Seattle—Clyde Equip. Co. (Hangers & Pulleys), Main 1235.
(Continued on following page)

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AMERICAN PULLEY CO.—Continued.
Cox & Co., Inc., A. H. (Pulleys).
Fairbanks-Morse & Co. (Hangers & Pulleys).
Link Belt-Meese & Gottfried Co. (Pulleys, Elliott 5544.
Mill & Mine Supply Co. (Hangers & Pulleys).
Puget Sound Machinery Depot (Pulleys).
Seattle Belting & Sup. Co. (Pulleys).
Seattle Hardware Co. (Hangers & Pulleys), Phone 7020.
Summer Iron Works (Pulleys).
Webster-Brinkley Co. (Pulleys).
Spokane—Fairbanks-Morse & Co. (Pulleys).
Marshall Wells Co. (Pulleys).
Union Iron Works (Hangers & Pulleys), Glenwood 262.
Tacoma—Gerrish Machinery Co. (Hangers), Main 2825.
Washington Machy. Depot (Hangers).
Walla Walla—Walla Walla Iron Works (Hangers & Pulleys), Phone 489.
W. VA.—Charleston—Capital City Supply Co. (Hangers & Pulleys), Phone 1947.
Martinsburg—W. H. Heiston & Son (Hangers & Pulleys), Phone 27.
Weston—Danser Mfg. & Supply Co. (Pulleys).
Wheeling—C. H. Berry Supply Co. (Pulleys).
WIS.—Eau Claire—W. H. Hobbs Supply Co. (Pulleys), Phone 2340.
Green Bay—Murphy Supply Co. (Pulleys), Phone 192.
Manitowoc—Richards Iron Works (Pulleys), Phone 407.
Milwaukee—American Machinery Co. (Pulleys & Hangers), Grand 497.
Racine—Badger-Packard Supply Machy. Co. (Hangers & Pulleys), Prospect 338.
FOREIGN:
CANADA—Calgary, Alta.—Riverside Iron Works, Ltd.
Halifax, N. S.—A. R. Williams Machy. Co.
Montreal, Que.—Williams & Wilson, Ltd., Main 5542.
St. John, N. B.—A. R. Williams Machy. Co.
Toronto, Ont.—Petrie Ltd., H. W. Williams Machy. Co., A. R., Adelaide 0020.
Vancouver B. C.—Fleck Brothers, Seymour 4592. A. R. Williams Machy. Co., Highland 40.
Winnipeg, Man.—A. R. Williams Machy. Co.

AMERICAN PULVERIZER CO., 1729 Austin St., St. Louis, Mo.
Pres. & Treas.—E. H. Elzemeyer.
Sec.—Henry Griesedieck.

American Radiator Co., 820 S. Michigan Ave., Chicago.
American Radiator Co., 124 Jefferson, Detroit, Mich.
American Radiator Co., mchsts. & fndrs., Kansas City, Mo.
American Radio & Research Corp., Medford Hillside, Mass.
American Radio Sales & Service Co., Dickson Bldg., Mansfield, O.
American Ry. Appliance Co., gas engines, Oil City, Pa.
American Railways Equipment Co., fare boxes, Dayton, O.
American Railway Signal Co., 180 N. Market St., Chicago.
American Railway Signals Co., Vincennes, Ind.

AMERICAN RAILWAY SUPPLY CO., 140 Charles st., New York.
Pres.—Wm. H. Woolverton.
V. P.—E. S. Allen.
Secy.-Treas.—John S. Allen.
Gen. Mgr.—F. G. Clover.

American Rattan & Reed Mfg. Co., Kingsland Ave., Brooklyn, N. Y.
American Raveller Co., textile machy., Philmont, N. Y.
American Reduction Co., Forbes & Jumonville Sts., Pittsburgh, Pa.
American Redwood Co., Gualala, Calif.
American Reflector & Lighting Co., 517 W. Jackson Blvd., Chicago, Ill.
American Renoleo Co., York, Pa.
American Research Glassware Co., 928 N. 8th St., Philadelphia, Pa.
American Ribbon & Carbon Co., 229 Mill St., Rochester, N. Y.
American Ribbon & Carbon Co., Rochester, N. Y.
American Ring Co., 531 Bank st., Waterbury, Conn.
American Road Mach. Co., stone bins, Commercial Trust Pl., Philadelphia, Pa.
American Road Machinery Co., Kennett Square, Pa.
American Roll Gold Leaf Co., 56 Pine, Providence, R. I.

AMERICAN ROLLER BEARING CO., 428 Melwood av., Pittsburgh, Pa.

AMERICAN ROLLING MILL CO., THE, Middleton, O.
Pres.—Geo. M. Verity.
1st V. P.—J. H. Frantz.
V. P. & Gen. Mgr.—Chas. R. Hook.
Asst. V. P.—S. E. Eldridge.
Sec.—R. C. Phillips.
Asst. Sec.—W. D. Vorhis.
Treas.—Calvin W. Verity.
Asst. Treas.—C. W. Davis.
Chicago—1316-1318 Peoples Gas Bldg.
Cincinnati, O.—1462 Union Trust Bldg.
Cleveland, O.—1408 B. F. Keith Bldg.
Detroit, Mich.—1820 Dime Bank Bldg.
Houston, Tex.—419 1st National Bank Bldg.
New York—50 Church St., Room 1375.
Philadelphia, Pa.—Franklin Trust Bldg.
Pittsburgh, Pa.—432 Oliver Bldg.
St. Louis, Mo.—Liberty Central Trust Bldg.
San Francisco, Cal.—American Rolling Mill Co., The, Tenth & Briant Sts.

American Roofing Co., cornices, 2142 Gratiot av., Detroit, Mich.
American Roofing Co., 15th & Blue River, Kansas City, Mo.
American Rotary Pump Co., mchy., 404 Old Colony av., Boston, Mass.
American Router & Mfg. Co., 238 Fourth Ave., Pittsburgh, Pa.
American Rubber Co., 130 Essex, Boston, Mass.
American Rubber Mfg. Co., Emeryville, Calif.
American Rubbing Stone Co., 1216 Gest st., Cincinnati, O.
American Rule & Block Co., Menominee, Mich
American Rule Mfg. Co., 486 Johnson av., Brooklyn, N. Y.
American Rust Proof Co., 47 W. 38th St., New York
American Rutile Co., ilmenite & oxide concentrates, titanium, 622 F. N. W., Washington, D. C.
American Safe Co., Anderson, Ind.

AMERICAN SAFETY LAMP & MINE SUPPLY CO., 1327 Capouse Ave., Scranton, Pa.

American Safety Razor Corp., 303 Jay St., Brooklyn, N. Y.
American Sales Book Co., Ltd., Elmira, N. Y.
American Sales Co., Inc., auto accessories, 218H E. Travis, San Antonio, Tex.
American Sales Co., explosives, Godchaux Bldg., New Orleans, La.
American Salt & Coal Co., Waldheim Bldg., Kansas City, Mo.
American Sand & Gravel Co., 133 W. Washington St., Chicago.
American Sanitary Lock Corp., The, 825 S. Meridian, Indianapolis, Ind.
American Sanitary Mfg. Co., mchsts. & fdrs., Abington, Ill.
American Sanitary Works, Washington, N. J. (now B. O. T. Mfg. Co.).
American Sash & Door Co., 16th & Bellefontaine, Kansas City, Mo.
American Saw & Mfg. Co., Boylston St., Springfield, Mass.
American Saw & Tool Works, 2431 W. 14th St., Chicago.

AMERICAN SAW MFG. CO., hack-saw blades & metal band saws, 69 Boylston, Springfield, Mass.

American Saw Mill Machinery Co., 50 Church St., New York, and Hackettstown, N. J.
American Saw Works, Hackettstown, N. J.
American Scale Co., 517 Delaware st., Kansas City, Mo.

AMERICAN SCHAEFFER AND BUDENBERG CORP., Berry and S. 5th Sts., Brooklyn, N. Y.
V. P.—H. B. Nickerson, Boston, Mass.
Atlanta, Ga.
Boston, Mass.—208 Camden St.
Buffalo, N. Y.—423 Ashland Ave.
Chicago—27 S. Jefferson St.
Cleveland, O.—1029 Kirby Bldg.
Detroit, Mich.—1209 Newport Ave.
Los Angeles, Cal.—238 S. San Pedro St.
Philadelphia, Pa.—1115 Real Estate Trust Bldg.
Pittsburgh, Pa.—519 Wood St.
Tulsa—805 Mayo Bldg.

American Scrap Iron Co., Akron, O.
American Screen Co., Brookline, Mass.
American Screen Mfg. Co., Kansas City, Mo.
American Screw Co., 21 Stevens St., Providence, R. I.
American Screw Products Co., 1316 Napoleon, Detroit, Mich.
American Screwset Co., 939 La Salle, St. Louis, Mo.
American Scrubbing Equipment Sales Co., 1225 Collier St., Hannibal, Mo.
American Sea Green Slate Co., Granville, N. Y.
American Seating Co., 14 E. Jackson Blvd., Chicago.
American Seeding Machine Co., Springfield, O.
American Separator Co., Bainbridge, N. Y.
American Sewer & Drain Constr. Co., Kenilworth & Central Park, Chicago, Ill.
American Sewer Pipe Co., Boliver st., Akron, O.
American Shade Mach. Co., 80 Federal, Boston, Mass.
American Shade Roller Co., 151-3 33rd St., Brooklyn, N. Y.
American Shading Machine Co., 693 Maine St., Buffalo, N. Y.
American Sharpening Machine Co., 184 W. Madison, Chicago, Ill.
American Shearer Mfg. Co., mchsts., Nashua, N. H.
American Sheet & Tin Plate Co., 1301 15th, S. W., Canton, O.
American Sheet & Tin Plate Co., Frick Bldg., Pittsburgh, Pa.
American Sheet Metal Stamping Corp., 1533 Appletree St., Philadelphia, Pa.
American Sheet Metal Works, New Orleans, La.
American Shipbuilding Co., Foot of W. 54th St., N. W., Cleveland, O.
American Shoe Polish Co., 20th & Troy, Chicago, Ill.
American Shoemaking, trade publication, 212 Essex, Boston, Mass.
American Shovel & Stamping Co., Lorain, O.
American Show Case Co., 289 Greenpoint av., Brooklyn, N. Y.
American Shuttle Co., Exchange Bldg., Boston, Mass.
American Sign Co., 1512 S. Los Angeles, Los Angeles, Calif.
American Sign Company, Kalamazoo, Mich.
American Sign Works, 626 Plymouth ct., Chicago, Ill.
American Silk Journal, 373 4th av., New York.
American Silk Label Mfr. Co., 116 W. 32d, New York.
American Silk Mfg. Co., mach. wipers, cotton & wool waste & cotton mops, 4341 Orchard, Philadelphia, Pa.
American Silver Co., Bristol, Conn.
American Silverlie Products Corp., Oregonian Bldg., Portland, Ore.
American Sintering Co., furnaces, 86 E. Randolph, Chicago, Ill.
American Skein & Foundry Co., Racine, Wis.
American Slate Co., Easton, Pa.
American Slate Works, Slatington, Pa.
American Slicing Mach. Co., meat, 209 S. State, Chicago, Ill.
American Slide Co., Columbus, O.
American Smallbore League, Inc., Cresskill, N. J.
American Smelters Securities Co., 120 Broadway, New York.
American Smelters Securities Co., ammunition, babbitt metal, lead products & shot, 201 1st, San Francisco, Calif.
American Smelting & Refining Co., 120 Broadway, New York.
American Smokeless Powder Co., 1002 Board of Trade Bldg., Boston, Mass.
American Soap & Washoline Co., Cohoes, N. Y.
American Soapstone Finish Co., Chester Depot, Vt.
American Soda Fountain Co., 282 Congress, Boston, Mass.
American Solder & Flux Co. 2910 N. 16th St., Philadelphia, Pa.
American Soldier Co., toys, games & nov., Myrtle av. & De Boo pl., Glendale, N. Y.
American Spec. & Import. Co., Savannah, Ga.

AMERICAN SPECIALTY CO., Ohio and Orleans Sts., Chicago.
Pres.—W. H. Dangel.
V. P.—M. W. Dangel.
Sec. & Treas.—R. R. Darling.

American Spec. Co., advtg., 425 Central, Rochester, N. Y.
American Specialty Co., hdwe. mfrs., 165 Holland av., Bridgeport, Conn.
American Specialty Mfg. Co., Bridgeport, Conn.
American Specialty Mfg. Co., Lock Box 173, Cleveland, O.
American Spectacle Co., 136-146 W. 52nd St., New York.
American Speed Indicator Co., New London, Conn.
American Spelter Co., Pittsburg, Kans.
American Spike Co., 55 Liberty St., New York.
American Spinning Co., cotton sheetings, Greenville, S. C.

AMERICAN SPIRAL PIPE WORKS, W. 14th & S. 48th av., Chicago.
Mail Address: Box 485.
New York—50 Church.

AMERICAN SPIRAL SPRING & MFG. CO., 5600 Harrison St.
Pres.—Harry Wilson.
V. P.—R. R. Kitchen.
Sec. Gen. Mgr.—R. E. L. Bailey.
Sales Mgr.—Chas. Gust, Jr.
Pur. Agt.—C. F. Keib.
Representatives:
CALIF.—San Francisco—Frank M. Cobbledick Co.
ILL.—Chicago—E. P. Bartlett & Co.
LA.—New Orleans—Frank Davies.
N. Y.—New York—W. D. Wintersmith, 27 Warren St.
ORE.—Portland—Smith & Woodbury Co.
PA.—Philadelphia—Carlin Steel Products Co.
VA.—Richmond—S. H. Ford.

American Splint Co., match machy., 25 Broadway, New York.
American Sponge & Chamois Co., Inc., Amsco Bldg., 47 Ann St., New York.
American Sports Publishing Co., 45 Rose, New York.
American Spring & Mfg. Corp., 214 Washington av., Holly, Mich.
American Stainless Steel Co., 1541 Oliver Bldg., Pittsburgh, Pa.
American Stamp Mfg. Co., stencils, presses, etc., 85 John, New York.
American Stamping & Enameling Co., Bellaire, O.
American Stamping & Enameling Co., Massillon, O.
American Stamping Co., Battle Creek, Mich.
American Standard Mfg. Co., 2268 Archer Ave., Chicago.
American Standard Metal Prod. Corp., 120 W. 42nd St., New York.
American Standard Tool Wks., 400 Owenberg, Detroit, Mich.
American Stationer & Office Outfitter, trade publication, 431 S. Dearborn, Chicago, Ill.
American Stave & Cooperage Co., 59 Pearl St., Chelsea, Mass.
American Steam Conveyor Corp. (now Conveyor Corp. of America), 326 W. Madison St., Chicago.

AMERICAN STEAM GAUGE & VALVE MFG. CO., (now American Schaeffer & Budenberg Corp., Berry & S. 5th Sts., Brooklyn, N. Y.)

American Steam Packing Co., 514-516 Atlantic Ave., Boston, Mass.

AMERICAN STEAM PUMP CO., Battle Creek, Mich.
Chicago—1220-21-22 Monadnock Block.
New York—17 Battery Place.

American Steel & Copper Plate Co., 101 Fairmont av., Jersey City, N. J.
American Steel & Tube Co., Lorain, O.

AMERICAN STEEL & WIRE CO., 208 S. La Salle st., Chicago.
Baltimore, Md.—32 S. Charles St.
Boston, Mass.—185 Franklin St.
Buffalo, N. Y.—670 Ellicott St.
Cincinnati, O.—Union Trust Bldg.
Cleveland, O.—Rockefeller Bldg.
Dallas, Tex.—Praetorian Bldg.
Detroit, Mich.—Foot of First St.
New York—30 Church St.
Philadelphia, Pa.—Widener Bldg.
Pittsburgh, Pa.—Frick Bldg.
Oklahoma City, Okla.—First Nat'l Bank Bldg.
Salt Lake City, Utah.—Walker Bank Bldg.
St. Louis, Mo.—Liberty Central Trust Co. Bldg.
St. Paul, Minn.—Pioneer Bldg.
Wilkes-Barre, Pa.—Miners Bank Bldg.
Worcester, Mass.—94 Grove St.
Export Representative:
U. S. Steel Products Co., New York.
Pacific Coast Representative:
U. S. Steel Products Co., San Francisco, Los Angeles, Portland, Seattle.

American Steel Co., 1324-1330 Park Bldg., Pittsburgh, Pa.
American Steel Band Co., 886 Progress, Pittsburgh, Pa.
American Steel Chase Co., 122 Centre, New York.
American Steel Export Co., 233 Broadway, New York.

AMERICAN STEEL FOUNDRIES, 332 S. Michigan av., Chicago.
Pres.—R. P. Lamont.
1st V. P.—Geo. E. Scott.
2nd V. P.—R. H. Ripley.
3rd V. P.—W. J. Lynch.
4th V. P.—J. C. Davis.
Chester, Pa.—E. J. Birtwell.
Chicago—K. L. Ames, Jr., W. A. Blanchard, H. B. Carpenter, J. W. Dalman, J. C. Davis, F. B. Ernst, H. D. Hammond, D. T. Harris, R. E. Janney, Louis E. Jones, R. P. Lamont, A. H. Peycke, R. H. Ripley, Geo. E. Scott, G. F. Slaughter, W. S. Spieth, W. G. Wallace.
Ernst, W. H. Graul, H. D. Hammond, D. T. Harris, R. E. Janney, Louis E. Jones, R. P. Lamont, A. H. Peycke, R. H. Ripley, Geo. E. Scott, G. F. Slaughter, W. S. Spieth, W. G. Wallace.
Cleveland, O.—Society for Savings Bldg., P. A. Martin.
Denver, Colo.—Barth Bldg., F. S. McNamara.
New York—Hudson Terminal Bldg., E. P. Bigelow, Theo. Cook, W. M. Rogovine, T. H. Hopkirk, W. J. Lynch, J. T. Rowbottom, J. R. Stuart.
Pittsburgh, Pa.—R. W. Lusk, A. Hazelhurst.
St. Louis, Mo.—Frisco Bldg., J. V. Bell, T. D. Kelley.
St. Paul, Minn.—Merchants Nat'l Bank Bldg., P. J. Kalman.
Washington, D. C.—Munsey Bldg., W. Ross Gravener, C. B. Peirce.

American Steel Frame & Band Iron Co., 208 Water, New York.
American Steel Grave Vault Co., Galion, Ohio.
American Steel Package Co., Defiance, O.
American Steel Pipe & Tank Co., 354 Pacific Elec Bldg., Los Angeles, Cal.
American Steel Products Co., Macomb, Ill.
American Steel Scraper Co., Sidney, O.
American Steel Wool Mfg. Co., Inc., 9-13 Desbrosses St., New York.
American Sterilizer Co., Erie, Pa.
American Stone Ballast Co., 711 4th National Bank, Cincinnati, O.

American Stone Trade, trade publication, 537 S. Dearborn, Chicago, Ill.
American Storage Battery Co., 326 Newberry St., Boston, Mass.
American Stove & Range Co., Keokuk, Ia.
American Stove Board Co., 319 W. Ontario, Chicago.
American Stove Co., 827 Chouteau, St. Louis, Mo.
American Straw Board Co., 111 W. Washington St., Chicago.
American Straw Board Co., wrapping paper, etc., Times Bldg., New York, and 111 W. Washington, Chicago, Ill.
American Strombos Co., 5 S. 18th St., Philadelphia, Pa.
American Sugar Refining Co., 117 Wall, New York.
American Suit Case Mfg. Co., 17 Walker, New York.
American Supply Co., 104 Hartwell, Fall River, Mass.
American Supply Co., 1409-15 Dayton St., Chicago.
American Supply Co., Providence, R. I.
American Supply Co., oil & gas well supplies, Box 272, Ada, Okla.
American Surety Co., indemnity bond insurance, 100 Broadway, New York.
American-Swedo Iron Co., Harrison Bldg., Philadelphia, Pa.
American Swiss File & Tool Co., 410 Trumbull St., Elizabethport, N. J.
American Swiss Magneto Co., Toledo, O.
American System of Reinforcing of California, Inc., 1116 Washington Bldg., Los Angeles, Cal.
American Synthetic Color Co., Stamford, Conn.
American Syrup & Preserving Co., canners, 4300 Geraldine, St. Louis, Mo.
American System of Reinforcing, concrete reinforcing matls., 10 S. LaSalle, Chicago, Ill.
American System of Reinforcing, Washington Bldg., Los Angeles, Calif.
American Tag Co., 6143 S. State St., Chicago.
American Tag Co. of N. J., 123 Sussex av., Newark, N. J.
American Tank & Pump Co., gasoline pumps, 404 Golden Gate, San Francisco, Calif.
American Tanning Co., 1282 W. North av., Chicago, Ill.
American Tap & Die Co., see The Wells Corporation.
American Tap & Die Co., Greenfield, Mass.
American Tap Bush Co., 102 Iron, Detroit, Mich.

AMERICAN TAR PRODUCTS CO., INC., 208 S. La Salle St., Chicago.

Pres.—S. H. Bingham.
V. P.—E. A. Brotherton, S. H. Fields.
Sec. & Treas.—G. G. Botts.
Carrollville, Wis.—K. D. Means.
Chalmette, La.—(Storage Station.)
Chicago (Plant).—W. C. Reibling.
Rockton, Ill.—H. Cooke.
St. Louis, Mo.—E. F. Hindrichs.
Steubenville, O.—J. O. Powers
Woodward, Ala.—F. G. Owen.
Youngstown, O.—W. L. Mason.

American Taximeter Co., 25 W. 54th st., New York.
American Technical Advice Co., Woodhaven, N. Y.
American Telegraph Typewriter Co., 251 W. 19th, New York.
American Tempering Co., case hardening compounds, Springfield, Ill.
American Tent & Awning Co., 307 Wash Ave., N. Minneapolis, Minn.
American Terra Cotta & Ceramic Co., 1701 Prairie Ave., Chicago.
American Textile Banding Co., The, Belfield & Wister St., Philadelphia, Pa.
American Textile Soap Co., Foot of Walker St., Springfield, Mass.
American Textiles, Inc., Bay City, Mich.
American Thermometer Co., 3146 Lucas, St. Louis, Mo.
American Thermos Bottle Co., Norwich, Conn.
American Thermostat Co., 222 Jeliff Av., Newark, N. J.
American Thermo-Ware Co., 16 Warren, New York.
American Thread Co., The, 260 W. Broadway, New York.
American Thresherman, trade publication, Madison, Wis.
American 3-Way-Luxfer Prism Co., 13th St. & 55th Court, Cicero, Ill.
American Tie & Timber Co., Brunswick, Ga.
American Timber Products Co., Union Nat'l Bank Bldg., Houston, Tex.
American Time Switch Co., The, Frankfort Ave., Cleveland, O.
American Tin & Terne Plate Co., 40 N. 23rd St., Philadelphia, Pa.
American Tire Fabric Co., Newburyport, Mass.
American Tool & Machine Co., The, 10 High St. Boston, Mass.
American Tool & Mfg. Co., Urbana, O.
American Tool Works Co., Pearl & Eggleston Sts., Cincinnati, O.
American Top Co., Jackson, Mich.
American Tower & Tank Co., Elgin, Ill.
American Toy Mfg. Co., Dept. H., Johnson City, Tenn.
American Toy Works, 7 Chatham Square, New York.
American Trackbarrow Co., Box 445, Lowell, Mass.
American Tractor & Fdy. Co., Charles City, Ia.
American Tractor & Harvester Co., The, Stuttgart, Ark.
American Trading Co., importers, 25 Broad, New York.
American Trading Co. of Pacific Coast, 244 California St., San Francisco, Calif.
American Trading Co., lbr., 332 Pine, San Francisco, Calif.
American Transformer Co., 178 Emmet St., Newark, N.J.
American Tripoli Co., Seneca, Mo.
American Tri-State Paper Box Co., 808 17th av., N., Nashville, Tenn.
American Trona Corp., chloride potassium, T. W. Hellman Bldg., Los Angeles, Calif.
American Truck & Trailer Corp., Stoddard pl., Kankakee, Ill.
American Truck Body Co., Inc., Dept. H., Martinsville, Va.
American Trunk & Bag Co., 109 Federal, Pittsburgh, Pa.
American Trunk & Case Co., 29 S. Wells St., Chicago.
American Trunk Co., 1039 Central Ave., Cincinnati, O.
American Tube & Pipe Bending Co., The, 880 E. 72nd St., Cleveland, Ohio.
American Tube & Stamping Co., 471 Hancock, Bridgeport, Conn.
American Tube Bending Co., 5-7-9 Lawrence St., New Haven, Conn.
American Tube Co., 3702 S. Rockwell St., Chicago.
American Tube Works, 95 Broad Street, Boston, Mass.
American Tug Boat Co., Everett, Wash.
American Turpentine & Tar Co., New Orleans, La.
American Turpentine Co., Engrs. Bldg., Cleveland, O.
American Twist Drill & Tool Co., 2108-46 W. Fort St., Detroit, Mich.
American Type Founders Co., 519 W. Monroe St., Chicago.
American Type Founders Co., Communipaw av., Jersey City, N. J.
American Typewriter Exchange, 111 N. Dearborn St., Chicago.
American Uniform Co., Inc., 280 Madison Ave., New York.

AMERICAN VALVE & METER CO., THE, 2833-59 Spring Grove Ave., Cincinnati, O.
Pres. & Gen. Mgr.—J. T. McGarry.
V. P.—Wallace M. Gray.
Secy. & Treas.—Chas. F. Bastian.
Baltimore, Md.—1109 Calvert Bldg., T. B. Bowman.
Boston, Mass.—Essex Bldg., 685 Atlantic Ave., F. A. Barbey.
Chicago—1328 McCormick Bldg., D. J. Higgins.
Denver—307 Barth Bldg., F. S. McNamara.

American Valve & Tank Co., Fairmont, W. Va.
American Valve Co., Coxsackie, N. Y.
American Vanadium Co., Pittsburgh, Pa. (Now Vanadium Corp. of America, 120 Broadway, New York.)
American Varnish Co., 1138-46 N. Branch St., Chicago.
American Varnish Wks., 425 Greenpoint av., Brooklyn, N. Y.
American Velvet Co., Stonington, Conn.
American Viscose Co., artificial silk, Marcus Hook, Pa.
American Vitrified Conduit Co., Broadway & 23d, New York.

AMERICAN VULCANIZED FIBRE CO., 515 Equitable Bldg., Wilmington, Del. (now National Vulcanized Fibre Co.).

American Wagon Co., carr. bodies, 1007H Lincoln, Dixon, Ill.
American Wagon Co., 8th & Sycamore, Cincinnati, O.
American Wall Paper Co., 615 S. Wabash Ave., Chicago.
American Wall Pocket Mfg. Co., 1219 Main, Buffalo, N. Y.
American Walnut Manufacturers' Ass'n, 616 S. Michigan Blvd., Chicago.
American Warehouse Co., Galveston, Tex.
American Warming & Ventg. Co., dry earth closets, Elmira, N. Y., and 1017 Summit, Toledo, O.
American Washer Works, 91 Wallabout st., Brooklyn, N. Y.
American Watch Case Co., 58 W. 40th, New York.
American Watchman's Clock Co., 150 Nassau, New York.

AMERICAN WATCHMAN'S TIME DETECTOR CO., THE, 3400 Perkins Ave., Cleveland, O.
Pres. & Treas.—C. A. Keller.
Secy.—Maurice Greenwald.

AMERICAN WATCHMAN'S TIME DETECTOR CO.. J. S. Morse, Treas., 333 Broadway, New York. ....

American Water Motor Co., 796 E 11th Ave. Columbus, O.
American Water Softener Co., 1011 Chestnut St., Philadelphia, Pa.
American Welding & Mfg. Co., Warren, O.
American Welding Co., Inc., 3011 S. Wabash Ave., Chicago.
American Welding Co., Carbondale, Pa.
American Well & Prospecting Co., The, Corsicana, Tex.

AMERICAN WELL WORKS, THE, General Office and Works, 110 N. Broadway, Aurora, Ill.
Pres.—M. C. Chapman.
V. P.—H. G. Chapman.
Secy.—H. W. Spitler.
Treas.—R. D. Mahaffey.
Supt.—H. G. Chapman.
Almyra, Ark.
Birmingham, Ala.—1308 American Trust Bldg.
Charleston, S. C.
Chicago—First Nat'l Bank Bldg., Geo. W. Igo.
Dallas, Tex.—701 Jackson St.
Denver, Colo.—1621 15th St.
Detroit, Mich.—General Motors Bldg.
Grand Island, Neb.
Jacksonville, Fla.
Joplin, Mo.
Kansas City, Mo.—301 Reliance Bldg.
Los Angeles, Cal.—420 E. Third St.
New York—95 Liberty St.
Philadelphia, Pa.—509 Franklin Tr. Bldg.
Pittsburgh, Pa.—416 First Ave.
St. Louis, Mo.—406 Market St.
St. Paul, Minn.—205 S. Robert St.
Salt Lake City, Utah—302 Felt Bldg.
San Francisco, Cal.—70 Fremont St.
Tampa, Fla.
Canada:
Calgary, Alta.
Edmonton, Alta.

American Whip Co., Westfield, Mass.
American Wholesale Hardware Co., 1500 W. Anaheim, Long Beach, Calif.
American Willite Co. (Paving Material), Keystone Bldg., Pittsburgh, Pa.
American Window & Safety Device Co., 512 S. Wabash Ave., Chicago.
American Window Glass Co., Farmers Bk. Bldg., Pittsburgh, Pa.
American Wire & Iron Works, 323-325 N. San Pedro, Los Angeles, Calif.
American Wire Fabrics Corp., 160 Broadway, New York.
American Wire Fabrics Co., 208 S. LaSalle, Chicago, Ill.
American Wire Fence Co., 10 S. La Salle St., Chicago.
American Wire Form, 130-132 W. 34th St., New York.
American Wiremold Co., 252 Asylum st., Hartford, Conn.
American Wire Rope Syndicate 109 Broad St., New York.
American Wire Works, 31 Kilbourn St., Hartford, Conn.
American Wood Board Co., Schuylerville, N. Y.
American Wood Carv. Co., 2341 Greenview av., Chicago, Ill.
American Wood Pipe Co., 302 McDougal, Brooklyn, N. Y.

AMERICAN WOOD PIPE CO., S. 32nd and Cedar sts., Tacoma, Wash.
Pres.—Vaughan Morrill.
V. P.—F. N. Insinger.
Secy.—Cyrus Happy, Jr.
Treas.—John G. Heinz.

American Wood Preserving Co., 3743 N. Marshfield Ave., Chicago.
American Wood Rim Co., The, Onaway, Mich.
American Woodwork Mfg. Co., plumbers, 701 W. Pennsylvania, Evansville, Ind.
American Wood Work Co., 4345 Wabansia av., Chicago, Ill.
American Woodworkers, Inc., Memphis, Tenn.
American Woodworking Co., 106 Beade, New York.

AMERICAN WOODWORKING MACHINERY CO., 591 Lyell av., Rochester, N. Y.
Pres.—J. E. McKelvey.
Sec. & Treas.—A. Hetherlin.
Branch Offices:
Boston, Mass.—R. 428, Boston Safe Deposit & Tr. Bldg., 201 Devonshire St.
Chicago—1219 W. Washington Blvd., Franklin 3664.
New Orleans, La.—709 Louisiana Bldg.
New York—347 Madison Ave., Murray Hill 6537.
Portland, Ore.—225 Pine Street.
San Francisco, Cal.—525 Market St., Karny 2314.

American Wool & Cotton Reporter, trade journal, 520 Atlantic av., Boston, Mass.
American Woolen Co., 114 Central st., Boston, Mass.
American Wrecking & Contr. Co., Inc., contr., 2511 Washington av., N. Minneapolis, Minn.
American Wringer Co., 82 W. Broadway, New York.
American Wringer Co., 91 Social St., Woonsocket, R. I.
American Writing Machine Co., 449-455 Central Ave., Newark, N. J.
American Writing Mach. Co., 20 E. 23d, New York.
American Writing Paper Co., The, 9 Main St., Holyoke, Mass.
American Wrought Anvil Co., 298 Union av., Brooklyn, N. Y.
American Yarn Co., 239 No. Main St., Providence, R. I.
American Zinc & Chemical Co., Oliver Bldg., Pittsburgh, Pa.
American Zinc & Chemical Co., 61 Broadway, New York.
American Zinc, Lead & Smelting Co., 331 Madison av., New York, and 55 Congress, Boston, Mass.
American Zinc Products Co., The, Greencastle, Ind.
Americolite Co., The, 231 10th av., New York.
Americus Construction Co., Americus, Ga.
Americus Oil Co., Americus, Ga.
Amerlin Co., flax & tow, Yale, Mich.
Amerman, M. T., cornices & skylights, Onarga, Ill.
Ames & Co., Ltd., Chas. F., 90 West St., New York.

AMES & CO., W., Woodward, Jersey City, N. J.

Ames & Ginty, cornices & skylights, 75 Mountfort, Boston, Mass.

AMES, B. C. CO., bench lathes, drilling, filing & milling machines, dial gauges, etc., North Station, Waltham, Mass.

Ames Bag Machine Co., 5606 Euclid Ave., Cleveland, O.
Ames Bending Co., Celina, O.
Ames Body Corp., Owensboro, Ky.
Ames, Bonner Co., brushes, Toledo, O.
Ames Bros., flour, Hutchinson, Minn.
Ames Canning Co., Ames, Ia.
Ames Carburetor Co., Inc., Racine, Wis.
Ames Co., Inc., F. A., Owensboro, Ky.
Ames-Dean Carriage Co., wagons, Jackson, Mich.
Ames, F. A., Co., auto, wood bodies, Owensboro, Ky.
Ames-Harris-Neville Co., 100 Potro, San Francisco, Calif.
Ames Iron Works (Division of Pierce, Butler & Pierce Mfg. Corp.), Oswego, N. Y.
Ames Iron Works, engines & blrs., 41 E. 42d, New York.
Ames, J., now the H. A. Lothrop & Co., Sharon, Mass.
Ames, J. K., lumber mfrs., Mexico, N. Y.
Ames, Merritt, Chemical Works, Glens Falls, N. Y.
Ames Shovel & Tool Co., 90 Ames Bldg., Boston, Mass.
Ames Supply Company, 564 W. Randolph St., Chicago.
Ames Sword Co., Chicopee, Mass.
Ames, W. R., Co., orchard heaters, tanks, etc., 450H Irwin, San Francisco, Calif.
Ames, Wm. O., contractor, Ellensburg, Wash.
Amesbury Bent Glass Co., auto mirrors & lenses, Amesbury, Mass.
Amesbury Brass & Foundry Co., Amesbury, Mass.
Amesbury Top Co., Amesbury, Mass.
Ameudt Milling Co., flour, Monroe, Mich.
AmForge Company, 2621 S. Hoyne Ave., Chicago.
Amherst Cut Stone Co., Amherst, O.
Amherst Mfg. Co., cotton thread, Amherst, Mass.
Amherst Waxed Paper Mills, Amherst, Mass.
Amidon, G. F., lumber, West Chesterfield, N. H.
Amies Road Co., Easton, Pa.
Ammann Mfg. & Constr. Co., 155 Ave. D, New York.
Ammidon & Co., 31 S. Frederick, Baltimore, Md.
Amole Soap Co., Tippecanoe City, O.
Amory, Bowne & Co., (Textiles) 48 Franklin St., Boston, Mass.
Amos & Co., Chas., 3000 Hart, Detroit, Mich.
Amos & Co., H. J., E. & B. Bldg., Rochester, N. Y.
Amoskeag Mfg. Co., Canal st., Manchester, N. H.
Amoskeag Paper Mills Co., State st., Manchester, N. H.
Ampco Rolling Mills Corp., Inc., 221 Grand Ave., Milwaukee, Wis.
Ampco Twist Drill & Tool Co., 1214 18th St., Detroit, Mich.
Ampeco Sales Co., engine pistons, Marshalltown, Ia.
Amphion Piano Player Co., pneumatic piano actions, Syracuse, N. Y.
Am-plus Storage Battery Co., 425-433 W. Superior St., Chicago.
Ampt, Chas. F., Co., shoe blacking, 214 Springfield, Cincinnati, O.
Ampt Ink Co., The, Langdon & Penn R. R. Norw., Cincinnati, O.
Ams, Inc., Max, 372 Greenwich St., New York.

AMS MACHINE CO., MAX, 101 Park av., New York. Branches:

Chicago, Ill.—20 E. Jackson blvd.
Rochester, N. Y.—705 Commerce Bldg.
London, E. C. 3, England—50 Lime.

Amsel Constr. Co., Inc., 984 Broadway, Brooklyn, N. Y.
Amsler Blue Print Co., 30 Church St., New York.
Amsler, C. (Est. of), meal, Hempstead, Tex.
Amsler, Louis H., blueprints, etc., 50 Church, New York.
Amsler-Morton Co., Fulton Bank Bldg., Pittsburgh, Pa.
Amsterdam Bldg. Co., 138 E. 44th, New York.
Amsterdam Broom Co., 41-55 Brookside Ave., Amsterdam, N. Y.
Amsterdam Drop Forging Co., Amsterdam, N. Y.
Amusement Supply Co., moving picture machs., 746 S. Wabash Ave., Chicago, Ill.
Amy, W. S., cornices & skylights, Council Bluffs, Ia.
Anacecco Lumber Co., Lake Charles, La.
Anacoco Lumber Co., Grabow, La.

ANACONDA COPPER MINING CO., Wire Sales Division, 111 W. Washington St., Chicago.

Anaconda Copper Mining Co., 25 Broadway, New York.
Anaconda Lead Products Co., 111 W. Washington Blvd., Chicago.
Anacortes Lumber & Box Co., Anacortes, Wash.
Anadarko Milling Co., flour, Anadarko, Okla.
Analomink Paper Co., North Water Gap, Pa.
Ancho Brick Co., fire clay, hollow tile, etc., Ancho, N. M.
Anchor Blasting Mat & Rope Co., 245 E. 32nd St., New York.
Anchor Bolt & Nut Co., Poughkeepsie, N. Y.
Anchor Box Co., Beekman & Arlington & B. & O. R. R., Cincinnati, O.

ANCHOR BUILDING CO., general contrs., Elizabeth, N. J.

Anchor Cap & Closure Corp., 22 Queens St., Long Island, N. Y.

A

Anchor Color & Gum Works, sulphonated oils, textile mill soap, Dighton, Mass.

ANCHOR COMPANY, 756 Park St., Milwaukee, Wis.
Pres.—F. L. Sivyer.
V. P.—George H. Chadwell, Orlando Metcalf.
Sec. & Treas.—W. C. McMahon.
Chicago—339 Railway Exchange Bldg., Orlando Metcalf.
St. Louis, Mo.—2193 Railway Exchange Bldg., Geo. H. Chadwell.

ANCHOR CONCRETE MACHINERY CO., 530 Dublin av., Columbus, O.

Anchor Concrete Machinery Co., Adrian, Mich.
Anchor Concrete Mach'y Co., Rock Rapids, Ia.
Anchor Core Econ. Soap Co., 136 W. Lake, Chicago, Ill.
Anchor Corrugating Const., Co., 140 Washington, New York.
Anchor Duck Mills, bags & bagging, Rome, Ga.
Anchor Electric Co., 537-9 Jackson Blvd., Chicago.
Anchor Fireproofing Co., 1633 Dime Bank Bldg., Detroit, Mich.
Anchor Furn. Co., Dept. H, Jamestown, N. Y.
Anchor Knitting Mills, bathing suit mfrs., Cohoes, N. Y.
Anchor Leather Co., 1001 W. Division, Chicago, Ill.
Anchor Packing Co., 529 Congress, Detroit, Mich.
Anchor Packing Co., The, 531 Market st., Philadelphia, Pa.
Anchor Paper Specialty Co., Kalamazoo, Mich.

ANCHOR POST IRON WORKS, 50 Church st., New York.
Sales and Erection Offices:
Boston, Mass.—79 Milk.
Chicago, Ill.—8 S. Dearborn.
Cleveland, O.—Guardian Bldg.
Hartford, Conn.—902 Main.
Mineola, L. I.—Jericho Turnpike.
Philadelphia, Pa.—Real Estate Trust Bldg.
Pittsburgh, Pa.—541 Wood.
Cincinnati, O.—141 E. 4th.
Detroit, Mich.—Penobscot Bldg.
St. Louis, Mo.—604 La Salle Bldg.
Indianapolis, Ind.—Lemcke Bldg.
Baltimore, Md.—509 W. Franklin.

Anchor Post Iron Works, Garwood, N. J.
Anchor Pottery Co., New York Ave., Trenton, N. J.
Anchor Refring Co., 82 Woodroad St., Jersey City, N. J.
Anchor Sanitary Co., 123 3rd Ave., Pittsburgh, Pa.

ANCHOR SAW MILLS CO., golf heads & shafts, dowels, boat oars, wood handles, 434 Washington, New York.

Anchor Spring & Bedding Co., 100 N. 1st, Nashville, Tenn.
Anchor Stone Co., 2937 Lyndale S., Minneapolis, Minn.
Anchor Stove & Range Co., New Albany, Ind.
Anchor Supply Co., mchsts., contrs., tents, etc., 100 W. Water, Evansville, Ind.
Anchor Tent & Awning Factory, 1252-54 24th, Los Angeles, Calif.
Anchor Top & Body Co., The C. H. & Daeargest, Cincinnati, O.
Anchor Webbing Co., 300 Brook St., Pawtucket, R. I.
Ancona, J. F., engnr., Cutler Bldg., Rochester, N. Y.
Ancram Paper Mills, 150 W. 22d, New York.
Andahl, John, lumber, South Bend, Wash.
Andalusia Fertilizer Co., Andalusia, Ala.
Andalusia Mfg. Co., lumber, Andalusia, Ala.
Anderes, John, & Son, contractors, Wausau, Wis.
Andersen & Co., J., 21 E. 40th St., New York.
Andersen Lumber Co., South Stillwater, Minn.
Andersen, Meyer & Co., Ltd., 80 Wall St., New York.
Andersen Spec. Co., wood fillers, extension planks, 6 E. Lake, Chicago, Ill.
Andersen-Winter Mfg. Co., furniture, Dept. H, Clinton, Ia.
Anderson & Belcher, fertilizer, Starrsville, Ga.
Anderson & Christiansen, carriages, Lincoln, Neb.
Anderson & Co., C. J., 212 W. Austin Ave., Chicago.
Anderson & Co., Charles A., 37 Maiden Lane, New York.
Anderson & Co. (Elec. Sup.), 1101-3 Houston St., Fort Worth, Tex.
Anderson & Co., Franklin Bldg., Philadelphia, Pa.
Anderson & Co., G. P., 65 Oliver, Boston, Mass.
Anderson & Co., Geo. H., 1467 W. Austin Ave., Chicago.
Anderson & Co., J. P., 2917 North Broad St., Philadelphia, Pa.
Anderson & Co., Wm. H., 25 Broadway, New York.
Anderson & Dougherty, cornices & skylights, Salinas, Calif.
Anderson & Gow, bldg. contrs., Duluth, Minn.
Anderson & Gustafson (Pet. Products) (Now Gustafson & Spencer, Inc.), Transportation Bldg., Chicago.
Anderson & Ireland Co., whol. hdwe., 111 Light, Baltimore, Md.
Anderson & Jones, paper & pulp mill architects, Carthage, N. Y.
Anderson & Lind Mfg. Co., 2127 Iowa St., Chicago.
Anderson & Luebker, contractors, La Porte, Ind.
Anderson & Middleton Lumber Co., Aberdeen, Wash.
Anderson & Prigge, Inc., 227 Canal, New York.
Anderson & Ringrose, contractors, 320 Market, San Francisco, Cal.
Anderson & Spilman, flour mills, Danville, Ky.
Anderson & Winbald, contrs., 6235 S. Michigan Ave., Chicago, Ill.
Anderson, A., granite producer, South Ryegate, Vt.
Anderson, A. & E., Co., contractors, 19 LaSalle, Chicago, Ill.
Anderson, A., & Son, contrs., 354 Plymouth Bldg., Minneapolis, Minn.
Anderson, A. F., Iron Works, architectural iron, 5844 Loomis Blvd., Chicago, Ill.
Anderson, A. H., brass castings, etc., 218 Ann, Chicago, Ill.
Anderson, A. J., & Co., contrs., Louisville, Ky.
Anderson, A. M., & Co., contrs., 31 Algonquin, Providence, R. I.
Anderson, A. R., & Co., shoetrees, Arlington, N. J.
Anderson, Albert & J. M., Real Estate Trust Bldg., Philadelphia, Pa.

ANDERSON-BARNGROVER MFG. CO., canners' machy., 333 W. Julian, San Jose, Calif.

Anderson Box & Basket Co., Henderson, Ky.
Anderson Brick & Supply Co., Inc., masons' materials, 201 E. 129th, New York.
Anderson Bros. & Johnson Co., Granite Heights, Wis.
Anderson Bros. & Johnson Co., granite, Wausau, Wis.
Anderson Bros., carriages, Colon, Mich.
Anderson Bros., contractors, Albert Lea, Minn.
Anderson Bros. Canning Co., Oskaloosa, Ia.
Anderson Bros. Consolidated Co., overalls, Danville, Va.
Anderson Bros. Co., cornices & skylights, 394 Grove, Jersey City, N. J.
Anderson Bros., 1383 Fulton St., Chicago.
Anderson Bros., machinists, Jamestown, N. Y.
Anderson Bros. Mfg. Co., Rockford Ill.
Anderson, C. F., & Co., machinists, 710 S. Clark, Chicago, Ill.
Anderson Carriage Co., Columbus, O.
Anderson, Chas., hod elev., 983 Pacific, Brooklyn, N. Y.
Anderson, Chas. L., Machinery Co., 2256 W. Walnut, Chicago, Ill.
Anderson, Chas. M., machinist, 1831 Blake, Denver, Colo.
Anderson Chemical Co., Wallington, N. J.
Anderson Co., 2324 University Ave., Minnesota Transfer, Minn.
Anderson Co., The, V. D., 1935 W. 96th St., Cleveland, O.
Anderson Co., agricultural implements, 2324 University Ave., St. Paul, Minn.
Anderson Computing Scale Co., Anderson, Ind.
Anderson Cotton Mills, sheetings, Anderson, S. C.
Anderson Coupling & Fire Supply Co., fire alarms, hose carriages & carts, Kansas City, Kan.
Anderson Die Machine Company, Bridgeport, Conn.
Anderson, E. D., Inc., label machines, etc., Grand Central Terminal, New York.
Anderson, E. G., lumber, Kane, Pa.
Anderson, E. K., metallic sash bars, 210 Grand, New York.
Anderson, E. W., Construction Co., Newcastle, Pa.
Anderson Engine Co., 4238 N. Lincoln Ave., Chicago.
Anderson Engineering & Supply Co., range boiler heaters, Peekskill, N. Y.
Anderson, Eric J., patterns & models, Hartford, Conn.
Anderson Fertilizer Co., Anderson, Ind.

ANDERSON FILLING MACHINE CO., canners' exhaust boxes, Webster Junction, Alameda, Calif.

Anderson Foundry & Machine Co., Anderson, Ind.
Anderson Foundry Co., Wm. B., 1715 Carroll Ave., Chicago.
Anderson Fdy., Inc., A. H., 218 Ann St., Chicago.
Anderson, Frank W., agricul. implements, Portland N. Y.
Anderson, Fred, Co., contractors, 2810 Bryant Ave. S., Minneapolis, Minn.
Anderson-Friberg Co., granite, Barre, Vt.
Anderson Furn. Co., Dept. H, Clinton, Ia.
Anderson, G. A., Mnfg. Co., fire dept. supplies mfrs., Bush and Russell, Baltimore, Md.
Anderson, G. L., 831 N. 39th st., Birmingham, Ala.
Anderson Gas Appliance Co., stoves, Anderson, Ind.
Anderson Gas Appliance Co., 190 Madison, Portland, Ore.
Anderson, Geo., & Co., machinists, Newark, N. J.
Anderson, Geo. H., & Co., bathroom fixtures, 1467 W. Austin Ave., Chicago, Ill.
Anderson, Geo. S., Co., mchsts, & fndrs., Jeffersonville, Ind.
Anderson, Gus, brooms, Salina, Kan.
Anderson, H. J., Co., lumber, N. W. Bank Bldg., Portland, Ore.
Anderson, H. O., & Son, sashes, doors & blinds, Sturgis, S. D.
Anderson-Hamill Construction Co., Pueblo, Colo.
Anderson Hardware Co., Anderson, S. C.
Anderson Hardware Co., New Bethlehem, Pa.
Anderson Heating Co., hot-air furnaces, 440 5th, San Francisco, Cal.
Anderson-Hillier Co., Inc., chalk, copperas, soap bark, etc., 73 Hudson, New York.
Anderson, Homer, wire meas. machines, Peekskill, N. Y.
Anderson-Hunter Construction Co., Danville, Va.
Anderson, J. F., Lumber Co., Mitchell, S. D.
Anderson, J. H. & C. P., contractors, Piqua, O.
Anderson, K. A., cornices & skylights, Tacoma, Wash.
Anderson-Kenneth Co., mill & factory supplies, 33 Atwater, Detroit, Mich.
Anderson Knife & Bar Co., Anderson, Ind.
Anderson, L., Co., water coolers, Martinez, Cal.
Anderson, L., mchsts.' tools, 544 W. Lake, Chicago, Ill.
Anderson Lumber Co., Bayport, Minn.
Anderson Lumber Co., Charleston, S. C.
Anderson Lumber Co., Passaic, N. J.
Anderson Lumber Corp., Marion, S. C.
Anderson-McCutchon Co., water heaters, Peekskill, N. Y.
Anderson Mach. & Fdry. Co., Anderson, S. C.
Anderson Mach. Works, drilling & tapping machines, Peekskill, N. Y.
Anderson Machine Works, muffler cut-outs, screw macn. products, etc., 441 23d, Oakland, Cal.
Anderson Mfg. Co., fuel economizers, 1922 Arch, Philadelphia, Pa.
Anderson Mfg. Co., Albert & J. M., 289-293 A St., Boston, Mass.
Anderson Mfg. Co., lightning rods & ventilators, Des Moines, Ia.
Anderson Mattress & Spring Bed Co., Anderson, S. C.
Anderson Mattress Co., Anderson, Ind.
Anderson Motor Co., Rock Hill, S. C.
Anderson-Nelson Construction Co., 610 1st National Bank Bldg., Minneapolis, Minn.
Anderson, Peter, Co., carriages, Lafayette, Ind.
Anderson Phosphate & Oil Co., Anderson, S. C.
Anderson, R. K., machinist, Fort Scott, Kan.
Anderson, R. M., & Co., building contrs., Lyric Bldg., Richmond, Va.
Anderson, Richard, heating contractor, 277 W. 117th, New York.
Anderson Rolled Gear Co., worm gear rings, Berea Road and L. S. & M. S. Ry., Cleveland, O.
Anderson Rubber Works, Anderson, Ind.
Anderson, S. J., flour mills, Burns, Tenn.
Anderson, Samuel, common brick, Taylorville, Ill.
Anderson Sheet Metal Co., The, 168 Carpenter St., Providence, R. I.
Anderson Supply Co., engineering & surveying instruments, Seattle, Wash.
Anderson, T. D., tents, San Jose, Cal.
Anderson, T. P., varnish, 334 5th Ave., New York.
Anderson Tack Co., Rockland, Mass.
Anderson Tool Co., jigs, fixtures, machinists' dies, etc., Elyria, O.
Anderson Tool & Supply Co., W. H., 1230 Brush St., Detroit, Mich.
Anderson-Tully Co., N. 2nd St., Memphis, Tenn.
Anderson, U. S., ties, Peyton Bldg., Spokane, Wash.

ANDERSON CO., V. D., W. 96th, Cleveland, O.
Branch Offices:
Baltimore, Md.—Union Trust Bldg.
Boston, Mass.—100 Pearl.
Chicago, Ill.—426 Plymouth court.
Philadelphia, Pa.—537 Race.
New York City—366 3rd av.

Anderson Vehicle Co., carriages, Fond du Lac, Wis.
Anderson, W. A., & Co., advtg. novelties, 41 Park Row, New York.
Anderson, W. H., Tool & Supply Co., contractors' tools & equip., Dubois and Franklin, Detroit, Mich.
Anderson, W. M., heating contr., 600 Schuylkill, Philadelphia, Pa.
Anderson Wrench Co., Portland, Conn.
Anderson's, John D., Sons, bldg. contrs., 952 Grand Ave., Brooklyn, N. Y.
Anderson's, L. G., Sons, masons' & bldrs.' materials, Franklin, O.
Anderton, E. K., metallic sash bars, 210 Grand, New York.
Andes, E. B., & Co., match plates, Lancaster, Pa.
Andis Mfg. Co., O. M., Racine, Wis.
Andler, Adam, cornices, 3023 Highland Ave., Mt. A., Cincinnati, O.

ANDORRA NURSERIES, INC., Chestnut Hill, Philadelphia, Pa.

Andrae & Sons Co., Julius, 362 Broadway, Milwaukee, Wis.
Andrae Electrical Co., Herman, 136-40 Second St., Milwaukee, Wis.
Andrea, Frank, A. D., radio apparatus & equipment, 1581 Jerome Ave., New York.
Andreason & Co., J. F., 22nd & 23rd Sts., Galveston, Tex.
Andren, Karl, Co., mchy. dlrs., 148H Pearl, Boston, Mass.
Andres, Eugene C., Co., cotton waste, 18 Central, Boston, Mass.
Andres, Jos., grain cradles, Kelso, Ind.
Andres Stone & Marble Co., Keefe Ave. & Richards, Milwaukee, Wis.
Andresen & Co., Jacob, Minneapolis, Minn.
Andresen, Jacob, Co., elec. & gaslight fixtures, 314 S. 4th, Minneapolis, Minn.
Andress Mfg. Co., musical strings, Dept. H, Battle Creek, Mich.
Andrew, C. A., canned goods, Conowingo, Md.
Andrew, David M., contr., Sisson & 26th, Baltimore, Md.
Andrew, Jno. Hy., & Co. (Ltd.), steel, 26 Cortlandt, New York.
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Andrews Co., H. F., 104 Worth St., New York.
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Andrews Lumber Co., C. E., New Bethlehem, Pa.
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Angell Elevator Lock Co., 370 Atlantic Ave., Boston, Mass.
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Angier Mills, Framingham, Mass.
Angier, U. S. A., axle shafts, Streator, Ill.
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Angle Mfg. Co., ice cream freezers, 110 W. 40th, New York.
Angle Steel Stool Co., Otsego, Mich.
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Appleby, T. H., & Co., horse collars, Syracuse, N. Y.
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Appomattox Box Shook Co., Petersburg, Va.
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Archer, H., & Co., contractors, 314 S. 10th, Minneapolis, Minn.
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Archer Mfg. Co., dental, barber chairs, etc., Rochester, N. Y.
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Architectural Iron Works of Cal., elec. fixtures, etc., 1209 S. San Pedro, Los Angeles, Cal.
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Architectural Service Corp., architect, 14 E. Lexington, Baltimore, Md.
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Ardmore Refining Co., petroleum & its products, Ardmore, Okla.
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Arizona Copper Co., Clifton, Ariz.
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Arizona Iron Works, Phoenix, Ariz.
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Arkansas Brick & Mfg. Co., Little Rock, Ark.
Arkansas Bridge Co., 1503 Waldheim Bldg., Kansas City, Mo.
Arkansas Carpet & Furn. Co., Dept. H., Little Rock, Ark.
Arkansas City Milling Co., flour, Arkansas City, Kan.
Arkansas Coffin Co., South Fort Smith, Ark.
Arkansas Cypress Shingle Co., Little Rock, Ark.
Arkansas Electric Co., Little Rock, Ark.
Arkansas Fertilizer Co., Little Rock, Ark.
Arkansas Fdry. Co., Little Rock, Ark.
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Arkansas Short Leaf Lumber Co., Pine Bluff, Ark.
Arkansas Soft Pine Bureau, Little Rock, Ark.
Arkansas Valley Fence Co., Wichita, Kan.
Arkansas Zinc & Smelting Corp., spelter, Van Buren, Ark.
Arkansas Zinc & Smelting Corp., 120 Broadway, New York.
Arkell & Smith, Canajoharie, N. Y.
Arkell Safety Bag Co., 120 Broadway, New York.
Arkmo Lumber Co., Little Rock, Ark.
Arkmo Packing Co., Decatur, Ark.
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Arlington Canning Assn., Arlington, Minn.
Arlington Coal & Coke Co., Lynchburg, Va.
Arlington Machine Works, Arlington Heights, Mass.
Arlington Mfg. Co., The, Canton, O.
Arlington Refrigerator Co., Arlington, Vt.
Arlitt, Max., cornices, Austin, Tex.
Arlo Box Company, Oak, Fla.
Armbruster & Sons, Columbus, O.
Armbruster, Otto, machsts. & fndrs., Sheboygan Falls, Wis.

ARMCO CULVERT & FLUME MF'RS. ASSN., 215 N. Michigan Ave., Chicago.
Pres.—W. H. O'Neall.
V. P.—H. W. Force, H. W. Rinearson.
Sec.—M. F. Shelt.
Treas.—G. F. Ahlbrandt.

Armentrout & Sons, wholesale hdwe., 1710 14th, Washington, D. C.
Armeny & Marion Co., 90 Nassau St., New York.
Armer, Clarence H., & Bro., hogsheads, Augusta, Ky.
Armiger Chemical Co., Inc., 2155-7 Austin Ave. Chicago.

ARMINGTON ENGINEERING CO., Euclid, O.
Armistead, S. W., archl. engrs., Dckson Bldg., Norfolk, Va.
Armitage & Co., John L., 54 Dawson St., Newark, N. J.
Armitage Mfg. Co., Richmond, Va.
Armleder Motor Truck Co., O., 12th & Plum, Cincinnati, O.
Armond Motors Co., Inc., Fayetteville, N. C.
Armor Clad Mfg. Co., Canton, O. (Now The Steel Cabinet & Equipment Co.)
Armour & Co., U. S. Yards, Chicago.
Armour Ammonia Works, 1355 W. 31st St., Chicago.
Armour Curled Hair Wks., 1355 W. 31st St., Chicago.
Armour Fertilizer Wks., 111 W. Jackson, Chicago, Ill.
Armour Fertilizer Wks., Curtis Bldg., Baltimore, Md.
Armour Glue & Ammonia Wks., 22 Battery, San Francisco, Cal.
Armour Glue Works, 1355 W. 31st St., Chicago.
Armour, Judson, carriages, East Downington, Pa.
Armour Leather Co., 242 Purchase, Boston, Mass.
Armour Leather Co., 175 N. Franklin, Chicago, Ill.
Armour Leather Co., Stock Yards, Chicago.
Armour Sand Paper Wks., 1355 W. 31st St., Chicago.
Armour Soap Wks., 1355 W. 31st St., Chicago.
Armsby Co., J. K., 131 State, Boston, Mass.
Arms, H. G., stone prod., Bristol, Conn.
Armspear Mfg. Co., 447 W. 53rd St. New York.
Armstrong & Co., 944 Washington Blvd., Chicago.
Armstrong & Co., Inc., Geo. W., S. Hemphill St., Ft. Worth, Texas.
Armstrong & Co., H. J., 538 S. Clark St., Chicago.
Armstrong & Co., Isaac, Danbury, Conn.
Armstrong & De Gelleke, arch., 122 E. 25th, New York.
Armstrong & Fliesmann, mill & factory supplies, Dunkirk, N. Y.
Armstrong & Latta Co., contractors; dock bldrs., Clinton & Del., Philadelphia, Pa.
Armstrong & Parker, bolts, screws, washers, etc., 361 Guilford Ave., Baltimore, Md.
Armstrong & Sons, C. E., Clinton, Ia.
Armstrong & Veley, machsts., Kalamazoo, Mich.
Armstrong, A., Co., carriages, 719 State Ave., Cincinnati, Ohio.

ARMSTRONG-BLUM MFG. CO., 335 N. Francisco av., Chicago.
Pres.—Paul Armstrong.
V. P.—Geo. J. Blum.
Secy.—Harry J Blum.
Treas.—Francis J. Blum.

ARMSTRONG BROS. TOOL CO., 311 N. Francisco av., Chicago.

Armstrong Bros., cornices, Springfield, Ill.
Armstrong Co., cements, putty, South & Post Ave., Detroit, Mich.

ARMSTRONG CORK COMPANY, Pittsburgh, Pa.
Baltimore, Md.—21 S. Charles St.
Boston, Mass.—84 North St.
Chicago—320 W. Randolph St.
Cincinnati, O.—1017 Broadway.
New York—50 Church St.
Philadelphia, Pa.—408 N. 3rd St.
St. Louis, Mo.—3rd and Elm Sts.

ARMSTRONG CORK CO., (Linoleum Division), Lancaster, Pa.

ARMSTRONG CORK & INSULATION CO., 152 Twenty-fourth st., Pittsburgh, Pa.
Pres.—C. D. Armstrong.
V. P.—C. D. Armstrong, Jr.
Manager—O. S. Stockman.
Atlanta, Ga.—1224 Candler Bldg., E. Dunnick.
Boston, Mass.—14 Columbia St., F. M., Robinson.
Chicago—120 W. Illinois St., G. G. Oetting.
Cincinnati, O.—1015 Broadway, F. K. LeRoy.
Cleveland, O.—1204-05-06 Ulmer Bldg., T. R. Nunan.
Detroit, Mich.—513-514 Garfield Bldg., W. C. Rasch.
Kansas City, Mo.—529 Lee Bldg., C. G. Lauck.
Minneapolis, Minn.—937 Plymouth Bldg., W. E. Stewart.
Montreal, Que., Can.—Armstrong Cork & Insulation Co., Ltd.
New York—50 Church St., W. M. Whitted
Rochester, N. Y.—808 Powers Bldg., H. J. Krampe.
St. Louis, Mo.—204 S. Third St., A. B. Alexander.
Toronto, Ont., Can.—Armstrong Cork & Insulation Co., Ltd.

Armstrong-Emley Crankless Engine Co., The, 109 Clay St., Jacksonville, Fla.
Armstrong, F. A. W., & Co., screw machine products, 358 Atlantic Ave., Boston, Mass.
Armstrong, G. R., Mfrs.' Supplies, Inc., mill & factory supplies, 130 High, Boston, Mass.
Armstrong, G. W., cornices, Shelby, Ohio.
Armstrong, J. C., Mach. & Fdry. Co., Peoria, Ill.
Armstrong-Johnston Mfg. Co., auto, bodies, Columbus, Ohio.
Armstrong-Landon Co., Kokomo, Ind.
Armstrong Leather Co., 174 William st., New York.
Armstrong, Les. R., bldg. contr., 1263 S. Figueroa, Los Angeles, Cal.
Armstrong, Leslie R., contrs., Hollingsworth Bldg., Los Angeles, Cal.
Armstrong Machine & Tool Co., 1001-3 S. Adams St., Peoria, Ill.

ARMSTRONG MACHINE WORKS, 307 Maple, Three Rivers, Mich.

ARMSTRONG MACHINERY CO., 3201-19 E. Riverside av., Spokane, Wash.

Armstrong, Mach. & Well Wks. Co., Ltd., Welsh, La.
Armstrong, Maitland & Co., glass stainers, etc., 58 W. 10th, New York.
Armstrong, M., Co., wood & metal auto. bodies, 433 Chapel, New Haven, Conn.
Armstrong Mfg. Co., Springfield, O.
Armstrong, Mfg. Co., brick, Hicksville, Ohio.
Armstrong Mfg. Co., corn racks, Ottumwa, Ia.
Armstrong Mfg. Co., mech. stokers, Springfield, Ohio.
Armstrong Mfg. Co., saw tools, 2-2nd, Portland, Ore.

ARMSTRONG MFG. CO., THE, 305 Knowlton St., Bridgeport, Conn.
New York—248 Canal St.
San Francisco, Calif.—Monadnock Bldg., R. P. Vought.

Armstrong Mfg. Co., 411 Chestnut St., Waterloo, Ia.
Armstrong Mfg. Co., The, Huntington W. Va.
Armstrong Oiler Co., car journal lubricators, Commonwealth Trust Bldg., Philadelphia, Pa.
Armstrong, P. M. & Co., tin plate, metals, Lisbon, Ohio.
Armstrong Packing Co., Dallas, Tex.
Armstrong Paint & Varnish Works, 1330 S. Kilbourn Ave., Chicago.
Armstrong, R. S. & Bro., mill & facty. supplies, Atlanta, Ga.
Armstrong Steel Castings Co., Huntington, Ind.
Armstrong Stove & Mfg. Co., 207 S. Chas. Baltimore, Md.
Armstrong Stove & Mfg. Co., 30 Light, Baltimore, Md.
Armstrong-Thielman Lumber Co., Calumet, Mich.
Armstrong Truck Co., North Wales, Pa.
Armstrong, W. H. Co., surgical instruments, 233 N. Penn, Indianapolis, Ind.
Armstrong, Whitworth of Canada, Ltd., Montreal, Can.
Armstrong, Wm., machst. & fndr., Maryville, Mo.
Armstrong, William, knitted gloves, Needham Heights, Mass.
Armstrong, Wm. H., carriage wheels, South Coventry, Conn.
Armstrong, Wolfe, Zimmerman Co., 1st Ave. & Market St., Pittsburgh, Pa.
Arndt Bros., rye & wheat flour, Sheboygan, Wis.
Arndt, Wm., cornices, Easton, Pa.
Arnell, Robt., lbr., Lewes, Del.
Arner Co., Inc., mfg. chemists, 303 Michigan Ave., Buffalo, N. Y.
Arner, Fred C., 303 Mich. Ave., Buffalo, N. Y.
Arneson Foundry Co., South & Exchange Sts., Kenosha, Wis.
Arnesto Paint Co., Inc., 40-2-4 W. 99th St., New York.
Arnett, C. C., mchst. & fndr., Gainesville, Tex.
Arnhold Brothers, 21 State St., New York.
Arnold & Co., F. B., 7 W. 22nd St., New York.
Arnold & Mabey, contrs., 121 5th, San Francisco, Cal.
Arnold & Murdock, machsts., Kenosha, Wis.
Arnold & North, fireplace furnishings, wood mantels, 124 E. 41st, New York.
Arnold & Van House, architects, Daly Bk. Bldg., Butte, Mont.
Arnold & Zeiss, crude rubber, 347 Madison Ave., New York.
Arnold, Adam, brick, Thomasville, Ga.
Arnold Bros., meat packers, 660 W. Randolph, Chicago, Ill.
Arnold, C. N., Co., masons' & bldrs.' matls., Poughkeepsie, N. Y.
Arnold, Casper & Son, sashes, doors & blinds, Cullman, Ala.
Arnold, Cheney & Co., ivory, gum arabic imprs., 82 Beaver, New York.
Arnold Co., tex. machy., iron castings, etc., Norwalk, Conn.
Arnold Company, The, 105 S. La Salle St., Chicago.
Arnold Co., Inc., The H. H., Rockland, Mass.
Arnold, Conrad, stone prod., 1207 Orange, Syracuse, N. Y.
Arnold-Creager Co., New London, O.
Arnold Damper, Inc., Goshen, Ind.
Arnold, Daniel, machst. & fndr., Warren, Ind.
Arnold Electric Co., drink mixers, hair dryers, electric motors, massage vibrators, etc., Racine, Wis.
Arnold Elec. Tool Co., Inc., see Lapointe, J. N., Co. (successor).
Arnold, Elmer H., Co., cornices, Superior, Wis.
Arnold-Evans Co., heating contractors, 165 So. Post, Spokane, Wash.
Arnold, Hoffman & Co., 55 Canal St., Providence, R. I.
Arnold Lumber Co., J. Ray, Groveland, Fla.
Arnold, N. B., metal polish, rust preventatives, 1 Sigourney, Brooklyn, N. Y.
Arnold Paper Box Co., A. A., 811-821 Rees St., Chicago.
Arnold Print Wks., machsts. & fndrs., North Adams, Mass.
Arnold-Roberts Co., The, 180 Congress, Boston, Mass.
Arnold, S. A., landscape architect, 230 Clarendon, Boston, Mass.
Arnold, Schwinn & Co., bicycle mfrs., 1718 N. Kildare Ave., Chicago, Ill.
Arnold, Thos., cornices, Lancaster, Pa.
Arnold Tool Mfg. Co., The, 205 Edgewood Ave., Dayton, Ohio.
Arnold, W. A., fertilizer mfr., Clio, Ala.
Arnold, W. B. & Co., mill & fcty. supplies, Waterville, Me.
Arnold, W. E., rubber molds, Malden, Mass.
Arnold-Wagner Elec. Co., door key lights, South Bend, Ind.
Arnold, Wm. H., sash, door & blind, Adams, Mass.
Arnolds, G. W., Son, agricultural implements, Ionia, Mich.
Arnold's, J. H., Son, labels, stamps, stencils, 47 Fulton, New York.
Arnot, A. M., cornices & skylights, Charleston, S. C.
Arnott & Co., machinery, 121 S. Los Angeles, Los Angeles, Cal.
Arnstein Paint Co., Eugene, 253 N. Western Ave., Chicago.
Arny, Chas., iron, steel, Elizabeth, N. J.
Aron & Co., Inc., J., 95 Wall St., New York.
Aronauer, Joseph, mattresses, 133 Chrystie, New York.
Aronoff, Jos. J., see Canvas Leather Specialty Co. (successor).
Aroostook Valley Starch Co., Fort Fairfield, Me.
Arp & Hammond Hardware Co., Cheyenne, Wyo.
Arpin Hardwood Lbr. Co., Grand Rapids, Mich.
Arpin, J. B., Dredging Co., Grand Rapids, Mich.
Arpin, John, Lumber Co., Grand Rapids, Wis.
Arpp, Simpson Co., contractors, Middletown, Ohio.
Arrah-Wanna Moccasin Co., hunting boots, Brockton, Mass.
Arras Cream Separator Co., machsts, Bluffton, Ohio.
Arrigoni, F., & Bro., contractors, Middletown, Conn.
Arrington Fdry. & Mach. Co., Brookhaven, Miss.
Arrington, H. J., Co., lumber, Claremont, Va.
Arrolite Auto Signal Corp., 725 Mission, San Francisco, Cal.
Arrow Boiler Compound Co., 3903 Olive St., St. Louis, Mo.
Arrow Bottlers Machy. Co., 130 N. Wells St., Chicago.
Arrow Bottlers Machy. Co., 1536 W. Adams, Chicago, Ill.
Arrow Conductor & Mfg. Co., 1536 W. Adams St., Chicago.
Arrow Electric Co., Hartford, Conn.
Arrow Flexible Conduit Co., Inc., 119 Bleecker st., New York.
Arrow Grip Mfg. Co., auto jacks, Glens Falls, N. Y.
Arrow Hdwe. Corp., 214 Fulton, New York.
Arrow Mfg. Co., see Airway Elec. Appliance Corp. (successors).
Arrow Tool & Mfg. Co., (New Forsberg Mfg. Co.) Bridgeport, Conn.
Arrow Tool & Reamer Co., Fort & Artillery Sts., Detroit, Mich.
Arrow Tool Co., 800 Kensington Ave., Buffalo, N. Y.

ARROW TOOLS, INC., 514 Laflin St., Chicago.
Pres.—J. S. Brown.
V. P.—N. W. Benedict.
Sec. & Treas.—H. S. Brown.
Sales Mgr.—Louis Groessl.

Arrowhead Mills, Inc., Fulton, N. Y.
Art Bedstead Co., 3703 S. Rockwell St., Chicago.
Art Brass & Plating Works, bldrs.' hdwe., 539 1st Ave. S., Seattle, Wash.
Art Brass & Wire Works, 407 E. Fort St., Detroit, Mich.
Art Brass Co., 299 E. 134th, New York.
Art Concrete Works, Inc., 366 S. Fair Oaks Ave., Pasadena, Cal.
Art Craft Fixture Co., elec. fixture parts, 328 Adams, Newark, N. J.
Art Engraving & Colortype Co., 1104 Prospect Ave., Cleveland, O.
Art Furn. Co., Dept. H, Sheboygan, Wis.
Art Glass Co., La Crosse, Wis.
Art Glass Studios, 374 E. 141st, New York.
Art Graphic Co., pennant mfrs., 129 Fulton, New York.
Art Gravur Corp., 406 W. 31st St., New York.
Art-in Buttons, Inc., mfrs., Rochester, N. Y.
Art Iron & Wire Works, Toledo, Ohio.
Art Joinery Co. (furniture), Dept. H, 13th & Clay, Cincinnati, Ohio.
Art Lamp Mfg. Co., 1433 S. Wabash Ave., Chicago.
Art Marble Co., 2883 Hillock Ave., Chicago, Ill.
Art Metal Co., brass grills, elec. fixtures, etc., 1640 N. Spring, Los Angeles, Cal.
Art Metal Construction Co., Jones and Gifford Aves., Jamestown, N. Y.
Art Metal Mfg. Co., lamps, E. 61st & Curtis Ave., Cleveland, Ohio.
Art Metal Mfg. Co., see Flat Metal Mfg. Co. (successors).
Art Metal Products Co., metal furniture, bank fixtures, etc., 514 S. Green, Chicago, Ill.
Art Metal Radiator Cover Co., 2259 Oakdale Ave., Chicago.

Art Metal Works, Inc., The, 7 Mulberry St., Newark, N. J.
Art Mosaic & Tile Co., 216-18 Sycamore St., Toledo, O.
Art Novelty Co., music cabinets, Goshen, Ind.
Art Rattan Works, household furniture, children's carriages, etc., 1218 24th Ave., Oakland, Cal.
Art Shade Co., 224 N. Desplaines, Chicago, Ill.
Art Stone Co., artificial marble, 52 N. Patomic Ave., Waynesboro, Pa.
Art Stone Co., Millers Falls, Mass.
Art Stone Construction Co., Miami, Fla.
Art Stove Co., The, 6531 Russell, Detroit, Mich.
Art Stucco Materials Co., Inc., wall coverings, 12854 Oakland Ave., Detroit, Mich.
Art Wall Paper Mills, 735 Milwaukee Ave., Chicago.
Art Work Shop (Closed Car Trimmings), 828-836 E. Ferry St., Buffalo, N. Y.
Artcraft Lithographing Co., Cor. Michigan Ave. and 2nd St., Detroit, Mich.
Arters, A., Son Co., saddles, Lisbon, Ohio.
Artesian Limestone Co., 445 N. Campbell Ave., Chicago.
Artesian Stone & Lime Wks., Grand & Campbell Aves., Chicago, Ill.
Artesian Well & Supply Co., 195 Anthony St., Providence, R. I.
Arth Brass & Aluminum Castings Co., 1378 E. 33rd, Cleveland, Ohio.
Arthur Co., Produce Exchange, New York.
Arthur, H. S., & Sons Co., cornices, Watertown, N. Y.
Arthur Power Saving Recorder Co., The, New Haven, Conn.
Arthur Storage Battery Supply Co., 2540 Cottage Grove Ave., Chicago, Ill.
Artillery Fuse Co., ammunition, Church & F, Wilmington, Del.
Artisan Cement Mold Wks., Elkhart, Ind.
Artisan Mfg. Co., belt shifters, 839 W. 6th, Lockland, Ohio.
Artisan Mfg. Co., The, 839 W. 6th St., Lockland, Cincinnati, O.
Artistic Bronze Co., The, 2050 Fairfield Ave., Bridgeport, Conn.
Artistic Iron Works, coal chutes, etc., 29 E. Montgomery, Spokane, Wash.
Artistic Lighting Fixture Corp., 21 E. Houston, New York.
Artistic Metal & Badge Co., buttons, 214 Greenwich, New York.
Artistic Metal Products Corp., table lamps, 91 N. J. R. R. Ave., Newark, N. J.
Artistic Novelty Co., manicure sets, 60 W. 37th, New York.
Artistic Wood Turning Wks., 515 N. Halsted, Chicago, Ill.
Artistic Weaving Co., cotton & silk woven labels, 141 W. 36th, New York.
Artley, Allan, Inc., contrs., 72 Marietta, Atlanta, Ga.
Artley Bros., fndrs., Muncy, Pa.
Artley Co., contrs., Savannah, Ga.
Artman Lumber Co., E. C., Metropolis, Ill.
Artos Engng. Co., automatic cutting machy., 306 Milwaukee, Milwaukee, Wis.
Arts Elec'l Co., lamp coloring, Troy, N. Y.
Artstone Brick & Tile Co., Black Bldg., Los Angeles, Cal.
Arundel Corp., contrs. & sand dlrs., Baltimore, Md.
Arvac Mfg. Co., universal joints, Anderson, Ind.
Arwe, Carl H., Mfg. Co., irons, bowls, forging, stamping, 1348-52 De Kalb Ave., Brooklyn, N. Y.
Asbell, S. J., Co., mchsts. & fndrs., Paterson, N. J.
Asbestolith Mfg. Co., (Fireproof Sanitary Flooring.) 1 Madison Ave., New York.
Asbestos & Magnesia Materials Co., pipe coverings, 1148 W. Madison, Chicago, Ill.
Asbestos & Mineral Corp., 1819 Broadway, New York.
Asbestos & Rubber Works of America, 1831 Broadway, New York.
Asbestos & Rubber Works of Am., see United States Asbestos Co. (successors).
Asbestos & Rubber Works of N. J., see Wearwell Gasket & Packing Co. (successor).
Asbestos Burial Casket Co., Lowville, N. Y.
Asbestos Co. of Cal., 475 Stevenson, San Francisco, Cal.
Asbestos Copying Bath Co., 26 Barclay, New York.
Asbestos Crude & Fibre Corp., dlrs. in crude & fibre asbestos, 342 Madison Ave., New York.
Asbestos Felting Wks., 105 John, New York.
Asbestos Fibre Spinning Co., North Wales, Pa.
Asbestos Limited, 8 W. 40th St., New York.
Asbestos Material Corp., Woolworth Bldg., New York.
Asbestos Materials Corp., belting, gaskets, packing, Millington, N. J.
Asbestos Products Co., cements, 1202 E. Sprague Ave., Spokane, Wash.
Asbestos Products Co., 2100 Fullerton Ave., Chcago.
Asbestos Products Corp., 1328 Broadway, New York.
Asbestos Shingle Co., Nashua, N. H.

ASBESTOS SHINGLE SLATE & SHEATING COMPANY, Butler Ave., Ambler, Pa.
Pres.—Dr. R. V. Mattison.
V. P. & Gen. Mgr.—Royal Mattison.
Sec.—Ralph E. Frey.
Treas.—U. G. Funk.
Baltimore, Md.—711 E. Lombard St.
Boston, Mass.—23 Purchase St.
Buffalo, N. Y.—25 Terrace St.
Chicago—319 N. Wells St.
Cincinnati, O.—528 Main St.
Cleveland, O.—1178 W. 11th St.
Detroit, Mich.—400 Penobscot Bldg.
Havana, Cuba.—O'Reilly 11 Cuarto 311.
Houston, Tex.—1308 Conti St., R. V. Aycock Co.
Kansas City, Mo.—1526 Grand Ave., R. V. Aycock Co.
Los Angeles, Cal.—845 Seward St., J. A. Drummond.
Milwaukee, Wis.—216 Water St.
Minneapolis, Minn.—310 1st St., N.
New Orleans, La.—936 Union St., J. T. Mann & Co., inc.
New York.—728 Woolworth Bldg.
Philadelphia, Pa.—2013 Market St.
Pittsburgh, Pa.—311 Ross St.
San Francisco, Cal.—1744 Folsom St., J. A. Drummond; Sharon Bldg., H. G. Sperry Co.
St. Louis, Mo.—514-516 S. 7th St., R. V. Aycock Co.
Toronto, Ont., Canada—25 Front St., E.
Tulsa, Okla.—R. V. Aycock Co.
Washington, D. C.—623 F Street, N. W.
Wilkes-Barre, Pa.—Miners Bank Bldg.

Asbestos Spinning & Weaving Corp., 16 Beaver St., New York.
Asbestos Supply & Mfg. Co., mill & facty. supplies, 57 Main, Cincinnati, Ohio.
Asbestos Textile Co., Woolworth Bldg., New York.
Asbestos Wood Co., Nashua, N. H.
Asbury Glass Sign Co., 48 Hudson St., New York.
Asbury Graphite Mills, Asbury, N. J.
Asbury Park Mill Co., sashes, doors & blinds, Asbury Park, N. J.
Ascension Red Cypress Co. (Ltd.), lumber & cypress shingles, 403 Whitney Bldg., New Orleans, La.
Asch & Co., auto. towing ropes, 17 W. 60th, New York.
Asch, Edgar S., Co., metal buttons, 30 W. 36th, New York.
Aschenbach Saddlery Co., Henry, 71 Warren St., New York.
Ascher Co., Leopold (Brushes), 118-6th Ave., New York.
Ascher Supply Co., plumbers' supplies, jobbers, 236 N. Third, Columbus, Ohio.
Asdahl & Nelson, masons' & bldrs.' matls., Racine, Wis.
Asendorf, J. H., Co., lumber mfrs., Stewart Bldg., Baltimore, Md.
Asendorf, Wm. H., & Co., packing box mfrs., Russell & Stockholm, Baltimore, Md.
Aseptic Furn. Mfg. Co., Pioneer Bldg., Seattle, Wash.
Aseptic Products Co., surgical gauze mfrs., 237 Borden Ave., Long Island City, N. Y.
Aseptico Laboratories, Inc., surgical gauze, Carter Bldg., Rochester, N. Y.
Ash, C., & Sons, contractors, 202 Maria Ave., St. Paul, Minn.
Ash, Chas. W., lumber, Coatesville, Pa.
Ash, Claudius, Sons & Co. (Ltd.), rubber goods, 1 Union Sq., New York.
Ash Grove Lime & Portland Cement Co., 101 R. A. Long Bldg., Kansas City, Mo.
Ash, Henry M., mill & facty. supplies, Paterson, N. J.
Ash, Percy, University of Illinois, architect, Toledo, Ill.
Ashaway Line & Twine Mfg. Co., Ashaway, R. I.
Ashbery, Hy. C., stencils, rubber stamps, etc., 235 Washington, Buffalo, N. Y.
Ashboro Roller Mills, flour, Ashboro, N. C.
Ashboro Wheelbarrow Co., sashes, doors & blinds, ladders, Ashboro, N. C.
Ashburn Lumber Co., Ashburn, Ga.
Ashburn Oil Mill, Ashburn, Ga.
Ashburn Plbg. & Htg. Co., Ashburn, Ga.
Ashby & Sons, cereal & prepared foods, Leavenworth, Kans.
Ashcraft Cotton Mills, Florence, Ala.
Ashcraft-Wilkinson Co., chemicals, Trust Co. of Ga. Bldg., Atlanta, Ga.

ASHCROFT MFG. CO., see Manning, Maxwell & Moore, Inc. (successors).

Ashdown Hardware Co., J. H., Winnipeg, Manitoba, Can.
Ashe-Carson Co., turpentine, Andalusia, Ala.
Asheboro Wheelbarrow Co., Asheboro, N. C.
Asher-Creech Lumber Co., Pineville, Ky.
Asher Fire Proofing Co., 815 15th st., Washington, D. C.
Asher Machinery Corp., 49 Mechanic St., Newark, N. J.
Asher Mfg. Co., ldry. machy., Irvington, N. J.
Asheville Constr. Co., Asheville, N. C.
Asheville Mica Co, Asheville, N. C.
Asheville Mica Co., Biltmore, N. C.
Asheville Milling Corp., flour, Asheville, N. C.
Asheville Packing Co., fertilizer mfrs., Asheville, N. C.
Asheville Supply & Foundry, Asheville, N. C.
Ashland Brass Foundry Co., Ashland, O.
Ashland Cement Constr. Co., Ashland, Ky.
Ashland Co., cotton sheetings, Ashland, R. I.
Ashland Cotton Co., umbrella cloth, Jewett City, Conn.
Ashland Electric Co., 1517 Haddon Ave., Chicago.

ASHLAND FIREBRICK CO., Ashland, Ky.

Ashland Fdry & Mach. Wks., Ashland, Ky.
Ashland Graphite Co., Ashland, Ala.
Ashland Hardware Co., Ashland, Ohio.
Ashland Iron & Mining Co., see Am. Rolling Mill Co. (successor).
Ashland Iron & Mining Co., Ashland, Ky.
Ashland Iron Works, Ashland, Ore.
Ashland Iron Works, 1604 W. Superior, Chicago, Ill.
Ashland Leather Co., 210 South, Boston, Mass.
Ashland Leather Co., Ashland, Ky.
Ashland Lime, Salt & Cement Co., masons' & bldrs.' matls., Ashland, Wis.
Ashland Lumber Co., Ashland, Ky.
Ashland Mfg. Co., auto jacks, etc., Ashland, Ohio.
Ashland Mfg. Co., see Wilson, Thos. E. & Co. (successor).
Ashland Milling Co., Ashland, Ky.
Ashland Oil Mill & Fertilizer Co., Ashland, Ala.
Ashland Paint Co., 7th & Jackson Ave., Huntington, W. Va.
Ashland Paper Co., Ashland, Wis.
Ashland Products Co., auto jacks, creepers, rim tools, etc., Ashland, Ohio.
Ashland Steel Co., Ashland, Ky.
Ashley & Co., T. C., Atlantic av., Boston, Mass.
Ashley Machine Co., 714 University av., Rochester, N. Y.
Ashley, M. F., & Co., masons' & bldrs.' matl., Attleboro, Mass.
Ashley Steel Buildings Co., Inc., portable, 1270 Broadway, New York.
Ashman, S. A. & Son Co., iron forgings, 2300 E. Tioga, Philadelphia, Pa.
Ashoyton Knitting Co., knitted gloves, Shelburne Falls, Mass.
Ashtabula Bow Socket Co., Ashtabula, O.
Ashtabula Changeable Bulletin Co., Ashtabula, O.
Ashtabula Corrugated Box Co., Ashtabula, Ohio.
Ashtabula Hide & Leather Co., Ashtabula, Ohio.
Ashtabula Pail Co., Ashtabula, Ohio.
Ashtabula Steel Co., Ashtabula, Ohio.
Ashton & Russell, 163 W. Washington St., Chicago.
Ashton Casket Co., Easton, Pa.
Ashton Fire Brick & Tile Co., Ogden, Utah.
Ashton, J. B., flour mills, Columbia, Tenn.
Ashton, Jos., Jr., mill supplies, Dept. H, New York Ave. & Spruce, Trenton, N. J.
Ashton Mfg. Co., Newark, N. J. (now Clayton & Lambert Mfg. Co., Detroit, Mich.).

ASHTON VALVE CO., THE, 161 First St., Cambridge, "C" Boston, Mass.
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V. P. & Gen. Mgr.—Joseph W. Motherwell, Melrose Highlands, Mass.
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E. F. Boyle, 774 Monadnock Bldg., San Francisco, Cal.
Tierney Supply & Lumber Co., 2064 Ry. Exchange Bldg., St. Louis, Mo.
G. E. Knight, Apartado Postal 1903, Havana, Cuba.
J. H. Cooper, Apartado Postal 2129, Mexico D. F.

Ashton, W. R., & Co., contrs., 9204 Pleasant Ave., Chicago, Ill.
Ashuelot Paper Co., Hinsdale, N. H.
Ashville Supply & Foundry Co., see Union Plumbing Co. (successor).
Ashworth Bros., card clothing, Globe Mills Ave., Fall River, Mass.
Ashworth's, J. E., Sons, horse blankets, West Brookville, N. Y.
Asiatic Petroleum Co., N. Y., Ltd., 65 Broadway, New York.
Askam Rubber Co., reclaimed rubber, Milford, Conn.
Askew, W. S., Co., flour, lbr., Newnan, Ga.
Askew Saddlery Co., 215 Delaware, Kansas City, Mo.
Askins & Dircks Lumber Co., Union City, Tenn.
Asmus & Clark, Stahlman Bldg., Nashville, Tenn.
Asphalt Block Pavement Co., Ohio Bldg., Toledo, O.
Asphalt Constr. Co., 2197 Madison Ave., New York.
Asphalt Roof Coating Co., Ltd., 10 E. 43rd New York.
Asphaltum & Oil Refining Co., see Harbor Refining Co. (successor).
Aspinwall, Geo. H., Inc., paints, chemicals, etc., Cornelison Ave., Jersey City, N. J.
Aspinwall, J. Lawrence, architect, 8 W. 40th, New York.
Aspinwall Mfg. Co., agricultural implements, Jackson, Mich.
Assau, W. F., Canning Co., Boston, cor. Streeper, Baltimore, Md.
Assenmacher, W. J., Co., contractors, Lincoln, Neb.
Associate Architectural & Eng., Inc., architect, 145H State, Springfield, Mass.
Associated Bodies Corp., Louisville, Ky.
Associated Buffalo Architects, 232 Delaware Ave., Buffalo, N. Y.
Associated Engineering & Supply Co., 218 Southern Pacific Bldg., San Francisco, Cal.
Associated Engineering Corp., Foot of Burlington St., Portland, Ore.
Associated Manufacturers Company, Waterloo, Ia.
Associated Mfrs. Co. of N. Y., plbrs.' supplies, 103 Varick, New York.
Associated Metal Lath Manufacturers, 901 Swetland Bldg., Cleveland, Ohio.
Associated Metal Lath Mfrs., 123 W. Madison St., Chicago.
Associated Mills, Ltd., 509 Metropolitan Bldg., Vancouver, B. C.
Associated Motors Industries, Dayton, O.
Associated Oil Co., Sharon Bldg., San Francisco, Cal.
Associated Silver Co., 4450 Ravenswood Ave., Chicago.
Associated Supply Co., 725 S. Workman St., Los Angeles, Cal.
Associated Supply Co., oil & gas well supplies, 79 New Montgomery, San Francisco, Cal.
Associated Tanners' Machinery Co., hide & leather working machinery, mfrs., 424 Essex, Salem, Mass.
Associated Tile Mfrs., Reeves Bldg., Beaver Falls, Pa.
Associated Well Supply Co., Inc., 19 Moore, New York.
Assn. of Mfrs. of Chilled Car Wheels, McCormick Bldg., Chicago.
Astell Hdwe. Co., cornices & skylights, Buffalo, Wyo.
Astell, J. B., 90 Broadway, W., New York.
Astle & Co., H. J., 118 Orange St., Providence, R. I.
Astle, H. J., & Co., exhaust fans, polishing machines, etc., 118 Orange, Providence, R. I.
Astlett, H. A., & Co., crude rubber imps., 64 Water, New York.
Astley, T. M., masons' & bldrs.' matls., Grand Ledge, Mich.
Astoria & Puget Sound Canning Co., South Bellingham, Wash.
Astoria Boat Wks., & Marine Equipment Co., Inc., Astoria, L. I., N. Y.
Astoria Box Co., lumber, Astoria, Ore.
Astoria Casket Co., 16 Chestnut, Long Island City, N. Y.
Astoria Mach. Wks., 54 Fulton Ave., Astoria, Long Island, N. Y.
Astoria Mahogany Co., Inc., 103 Steinway Ave., Long Island City, N. Y.
Astoria Marine Iron Works, Astoria, Ore.
Astoria Silk Wks., plushes, 727 Steinway Ave., Long Island City, N. Y.
Astoria Timber & Lumber Co., Astoria, Ore.
Astoria Veneer Mills & Dock Co., ft. Blackwell, Long Island City, N. Y.
Astoria Wire Co., rubber covered wire, ft. of Court, Long Island City, N. Y.
Astrup Mfg. Co., awning hdwe., 2937 W. 25th, Cleveland, Ohio.
Atascadero Doll & Toy Factory, Inc., 323 Geary, San Francisco, Cal.
Atchison Optical Co., Atchison, Kan.
Atchison Revolving Door Co., sash door & blind mfrs., 105 W. Monroe St., Independence, Kans.
Atchison Leather Products Co., Atchison, Kans.
Atchison Saddlery Co., Atchison, Kans.
Atchley, P. S., flour mills, Ebenezer, Tenn.
Aten, Hy. F., machsts. & fndrs., Hope, N. J.
Aten Sewage Disposal Co., 286 Fifth Ave., New York.
Aten, Volda B., masons' & bldrs.' matls., Ashtabula, O.
Atha Tool Co., mechanics' tools, ft. of Chapel, Newark, N. J.
Athenia Steel Co., 135 William St., New York.
Athens Brick & Tile Co., Athens, Tex.
Athens Brick & Tile Co., Athens, Wis.
Athens Brick Co., Athens, O.
Athens Foundry & Machine Co., Athens, O.
Athens Foundry & Machine Works, Athens, Ga.
Athens Foundry Co., Athens, Ohio.
Athens Furn. Co., Dept. H, Athens, Pa.
Athens Glass Co., Morgantown, W. Va.
Athens Hardware Co., Athens, Ga.
Athens Lumber Co., Athens, Ohio.
Athens Lumber Co., Morgantown, W. Va.
Athens Mach. Shop Co., Athens, N. Y.
Athens Mattress & Spring Bed Co., Athens, Ga.
Athens Pottery Co., bldg. tile, Fort Worth, Texas.
Athens Roller Mills, flour mills, Athens, Tenn.
Athens Stove Co., mfrs., Athens, Ohio.
Atherton, Chas., & Co., lbr., Commercial Trust Bldg., Philadelphia, Pa.
Atherton, Fred L., Mach. Co., textile machy. supplies, etc. (warpers), Paterson, N. J.
Atherton, G. W., masons' & bldrs.' matls., Livermore, Ky.
Atherton, Jesse, machy. dlr., 24 Calender, Providence, R. I.
Atherton, M., Sons, lumber, Anderson, Ind.
Athey Co., mfrs., weather strips, 122 S. Michigan Ave., Chicago, Ill.
Athletic Wear Mfg. Co., 1003 Springfield, Newark, N. J.
Athol Comb Co., Athol, Mass.
Athol Pump Co., Athol, Mass.
Athol Machine & Foundry Co., Athol, Mass.
Athol Mfg. Co., Athol, Mass. (Artificial Leather & Rubber Goods.)
Atkin & McDae, assayers & chemists, 1008 S. Hill, Los Angeles, Cal.
Atkin, Wm. T., Jr., brick, Deerfield, Mich.
Atkins & Co., Inc., E. C., 402 S. Illinois St., Indianapolis, Ind.

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Atkins & Co., E. C., 477 S. Main, Memphis, Tenn.
Atkins & Co., toys, games, etc., 827 Filbert, Philadelphia, Pa.
Atkins & Durbrow, 157 Water St., New York.
Atkins & Pearce Mfg. Co., 5th and Eggleston Ave., Cincinnati, O.
Atkins Bros., hubs, spokes, etc., Attoway, Va.
Atkins, Chas. G., engrs., Monadnock Bldg., Chicago, Ill.
Atkins Co., C. B., 812 S. Gay st., Knoxville, Tenn.
Atkins, E. G., Co., carbureters, Mansfield, Ohio
Atkins, H. C., Mfg. Co., pipe nipples & coupling, 745 S. 3rd St., St. Louis, Mo.
Atkins, Kroll & Co., brick, 260 California, San Francisco, Cal.
Atkins Lbr. Co., Inc., Atkins, Va.
Atkinson Box & Lumber Co., packing box mfrs., Hawley, Pa.
Atkinson, C. H., Paving Co., contrs., Watertown, S. D.
Atkinson Co., 575 Lyell Ave., Rochester, N. Y.
Atkinson Co., Wm. H., 201 Harrison St., Hoboken, N. J.
Atkinson, Geo. F., wood novelties, 1785 15th, San Francisco, Cal.
Atkinson, H. L., 741 Folsom, San Francisco, Cal.
Atkinson, Haserick & Co., 152 Congress, Boston, Mass.
Atkinson, J. F., contrs., Story Bldg., Los Angeles, Cal.
Atkinson Mill & Mfg. Co., Inc., sashes, Chapman & Derby, Oakland, Cal.
Atkinson Mill Co., lbr., Atkinson, Ga.
Atkinson, P. W. canned goods, Berkeley Springs, W. Va.
Atkinson-Williams Hardware Co., Ft. Smith, Ark.
Atlanta Auto Top & Trimming Co., slip covers, 94 Pdmt. Ave., Atlanta, Ga.
Atlanta Brush Co., Atlanta, Ga.
Atlanta Canning Co., Atlanta, Ind.
Atlanta Canning Co., Atlanta, N. Y.
Atlanta Casket Co., Atlanta, Ga.
Atlanta Cotton Oil Co., cottonseed meal, Atlanta, Ga.
Atlanta Envelope Co., 162-6 Marietta St., Atlanta, Ga
Atlanta Hosiery Mills, Atlanta, Ga.
Atlanta Locomotive & Equipment Co., second-hand ry. equipt., Palmer Bldg., Atlanta, Ga.
Atlanta Marble & Granite Works, Atlanta, Ga.
Atlanta Metallic Casket Co., The, Atlanta, Ga.
Atlanta Milling Co., flour, Atlanta, Ga.
Atlanta Paper Co., Atlanta, Ga.
Atlanta Plow Co., Atlanta, Ga.
Atlanta Rubber Stamps & Stencil Wks., Atlanta, Ga.
Atlanta Show Case Co., Atlanta, Ga.
Atlanta Stove Wks., Inc., Atlanta, Ga.
Atlanta Table Co., Atlanta, Ga.
Atlanta Tent & Awning Co., Atlanta, Ga.
Atlanta Terra Cotta Co., Atlanta, Ga.
Atlanta Tile & Brick Co., Atlanta, Ohio.
Atlanta Utility Wks., machsts. & fndrs., East Point & Atlanta, Ga.
Atlanta Variety Works, 92 Humphries St., Atlanta, Ga.
Atlanta Woodenware Co., wood handles, Atlanta, Ga.
Atlanta Woolen Mills, Atlanta, Ga.
Atlantic & Gulf Lbr. Co., 50 Church St., New York.
Atlantic Asbestos Co., yarns & cloth, 12th & Arch, Philadelphia, Pa.
Atlantic Bag Co., 143 Water St., New York.
Atlantic Basin Iron Works, 168 Van Brunt, Brooklyn, N. Y.
Atlantic Boat Co., launch & yacht motor boat bldrs., Amesbury, Mass.
Atlantic Bottle Co., 90 W. Broadway, New York.
Atlantic Box & Lbr. Co., 814 E. 5th, New York.
Atlantic Brass & Aluminum Fdry. Co., 6919 Quincy St., Cleveland, O.
Atlantic Brick Mfg. Co., May's Landing, N. J.
Atlantic Can Co., 2108 Boston, Baltimore, Md.
Atlantic Canning Co., Atlantic, Ia.
Atlantic Canning Co., Eastport, Me.
Atlantic Canning Co., Rehoboth Beach, Del.
Atlantic Chain Corp., 73 Marion, Long Island City, N. Y.
Atlantic Chemical Co., fertilizer mfrs., Columbia, S. C., and Macon, Ga.
Atlantic City Plumbing Supply Co., Atlantic City, N. J.
Atlantic Coast Co., Inc., ship bldrs., Thomaston, Me.
Atlantic Coast Hardware Co., 169 A, Boston, Mass.
Atlantic Coast Lbr. Co., Georgetown, S. C.
Atlantic Coast Sand Co., 24 Stone, New York.
Atlantic Coffin & Casket Co., Rosehill, N. C.
Atlantic Constr. & Supply Co., Atlantic City, N. J.
Atlantic Convertible Auto Body Co., Jamestown, N. Y.
Atlantic Creosoting & Wood Preserving Co., Norfolk, Va.
Atlantic Crushed Coke Co., Greensburg, Pa.
Atlantic Drier & Varnish Co., Meadow and Wolf Sts., Philadelphia, Pa.
Atlantic Dyestuffs Co., Portsmouth, N. H.
Atlantic Dyestuffs Co., colors, dyes & dyestuffs, Ames Bldg., Boston, Mass.
Atlantic Electric Co., 56 Commerce St., Norfolk, Va.
Atlantic Engine Co., emery grinders, Meadville, Pa.

ATLANTIC EXCELSIOR MFG. CO., packing pads, 507-509 W. 30th, New York.

Atlantic Filter Co., 2248 Main st., Buffalo, N. Y.
Atlantic Foundry Co., 182 Beaver st., Akron, O.
Atlantic Gulf & Pacific Co. of Manila, contrs., H Call Bldg., San Francisco, Cal.
Atlantic Gulf & Pacific Co., contractors, Park Row Bldg., New York, and Houston, Tex.
Atlantic Gulf Oil Corp., petroleum & its products, 25H Broadway, New York.
Atlantic Hand Brake Corp., 33 Eagle St., Buffalo, N. Y.
Atlantic India Rubber Works, Chicago.
Atlantic Insulated Wire & Cable Co., 52 Vanderbilt Ave., New York.
Atlantic Insulated Wire & Cable Co., Stamford, Conn.
Atlantic Iron Wks., machsts., 441 11th Ave., Brooklyn, N. Y.
Atlantic Iron Wks., machsts. & fndrs., Norfolk, Va.
Atlantic Isinglass Co., Boston, Mass.
Atlantic Jute Mills, bagging sugar cloth mfrs., Norfolk, Va.
Atlantic Knitting Mills, sweaters, 1270 Broadway, New York.
Atlantic Leather Co., Ave. A, Newark, N. J.
Atlantic Lumber Co., 70 Kilbey, Boston, Mass.
Atlantic Machine Screw Co., 48 Binford, Boston, Mass.
Atlantic Mfg. Co., Milford, Conn.
Atlantic Mfg. Co., Wilmington, Del.
Atlantic Metal Hose Co., 40 W. 60th, New York.
Atlantic Mills, woolen flannels, 120 Manton Ave., Providence, R. I.
Atlantic-Pacific Mfg. Co., 124-8 Atlantic Ave., Brooklyn, N. Y.
Atlantic Radiator Co., Huntingdon, Pa.
Atlantic Radio Corp., Brooklyn, N. Y.
Atlantic Radio Supplies Co., vacuum tubes, 8 Kirk Pl., Newark, N. J.
Atlantic Refining Co., 1211 Chestnut St., Phila., Pa.
Atlantic Rice Mills Co., Beaumont, Tex.
Atlantic Rubber Co., 755 Boylston St., Boston, Mass.
Atlantic Screw Works, Hartford, Conn.
Atlantic Smelting & Refining Wks., 233 Broadway, New York.
Atlantic Southwestern Broom Co., 2d & Toone, Baltimore, Md.
Atlantic Stamping Co., 130 Ames St., Rochester, N. Y.
Atlantic Starch Wks., Westport, Conn.
Atlantic Steel Casting Co., Chester, Pa.
Atlantic Steel Co., Atlanta, Ga.
Atlantic Tank & Barrel Corp., Hoboken, N. J.
Atlantic Terra Cotta Co., 350 Madison Ave., New York.
Atlantic Tile Mfg. Co., ceramic, Matawan, N. J.
Atlantic Tubing Co., Providence, R. I.
Atlantic Turpentine & Pine Tar Co., Savannah, Ga.
Atlantic Varnish Works, Richmond, Va.
Atlantic Weld. Works, 24½ Chalmers St., Charleston, S. C.
Atlantic Wire & Iron Wks., 1638 Fulton, Chicago, Ill.
Atlantic Wire Co., Branford, Conn.
Atlantic Wood Heel Co., 322 Van Buren, Brooklyn, N. Y.
Atlantic Works, 80 Border, Boston, Mass.
Atlantic Yarn Co., 442 Broadway, New York.

ATLAS ADV. AGENCY, 450 Fourth Ave., New York.

Atlas Axle Co., Wilmington, Del.
Atlas Ball Co., N. American & Glenwood av., Philadelphia, Pa.

ATLAS BOLT & SCREW CO., 1130 Ivanhoe Road, Cleveland, O.

Atlas Brass Foundry Co., 980 Park St., Columbus, O.
Atlas Brass Foundry, Inc., trolley wheels, castings, etc., 1901 Santa Fe Ave., Los Angeles, Cal.
Atlas Brass Mfg. Co., mchsts. & fdrs., 332 Lakeside Ave., N. W., Cleveland, Ohio.
Atlas Brass Works, 612 Bryant, San Francisco, Cal.
Atlas Brick Co., El Paso, Tex.

ATLAS CAR & MFG. CO., THE, Cleveland, O.
Sec. & Treas.—C. R. Harbaugh.
Gen Mgr.—S. D. Wright.
Pur. Agt.—J. R. Seaman.

Atlas Chemical Co., sulphuret of antimony, Waltham, Mass.
Atlas Coal & Supply Co., masons' & bldrs.' matls., Binghamton, N. Y.
Atlas Color Works, Inc., aniline colors, dyes & dyestuffs, 322 9th, Brooklyn, N. Y.
Atlas Co., roofing cements, asbestos & compounds, Lincoln, N. J.
Atlas Constr. Co., Youngstown, Ohio.
Atlas Copper & Brass Mfg. Co., 2734-6-8 High St., Chicago.
Atlas Cornice Works, 1688 W. Washington, Los Angeles, Cal.
Atlas Crucible Steel Co., see Atlas Steel Corp. (successor).
Atlas Devices Co., Inc., 270 Wyckoff St., Brooklyn, N. Y.
Atlas Drop Forge Co., Lansing, Mich.
Atlas Dryer Co., Hickox Bldg., Cleveland, Ohio.
Atlas Educational Film Co., 1107-15 South Blvd., Oak Park, Ill.
Atlas Electric Devices Co., 360 W. Superior St., Chicago, Ill.
Atlas Elec. Storage Battery Co., Greenville, Mich.
Atlas Elevator Co., Call Bldg., San Francisco, Cal.
Atlas Elevator Devices Corp., 270 Wyckoff St., Brooklyn, N. Y.
Atlas Engineering Company, 3038 Galena St., Milwaukee, Wis.
Atlas Engng. Co., mill picks, rivets, snaps, tool holder bits, countersinks, steel hardening, high speed steel & tools, Lincoln, N. Y.
Atlas Fire Brick Co., Box 938, Huntington Park, Los Angeles, Cal.
Atlas Forgings Co., 1501 S. 55th Ct., Cicero, Ill.
Atlas Foundry & Machine Co., Tacoma, Wash.
Atlas Foundry & Machinery Co., Tacoma, Wash.
Atlas Foundry Co., 131 S. Artillery Ave., Detroit, Mich.
Atlas Foundry Co., 517 Lyons Ave., Irvington, N. J.
Atlas Foundry Co., Marion, Ind.
Atlas Furniture Co., Jamestown, N. Y.
Atlas Heating & Ventilating Co., 557-67 4th, San Francisco, Cal.
Atlas Imperial Engine Co., Oakland, Calif.
Atlas Indicator Works, dial gauges, dies, etc., 160 North Wells, Chicago, Ill.
Atlas Iron Works, Inc., steel & iron for bldgs., 255H Island Brook Ave., Bridgeport, Conn.
Atlas Laundry Machinery Co., 828 W. 6th, Cincinnati, O.
Atlas Leather Mfg. Co., Caseyville, Ill.
Atlas Lumber Co., Alaska Bldg., Seattle, Wash.
Atlas Machine Works, engine pistons, 1516 S. Grand Ave., Los Angeles, Cal.
Atlas Machinery & Supply Co., Birmingham, Ala.
Atlas Mfg. Co., boiler flue cleaners, 154 1st, San Francisco, Cal.
Atlas Mfg. Co., 125 Water St., New Haven, Conn.
Atlas Mfg. Co., Fostoria, O.
Atlas Mfg. Co., cotton sheetings, Bessemer City, N. C.
Atlas Mfg. Co., saw guards & window frame machy., Orlando, Fla.
Atlas Metal Co., 2651 E. 75th St., Cleveland, O.
Atlas Metal Parts Co., sheet metal stampings, 998 15th, Milwaukee, Wis.
Atlas Metal Works, 2601 Alamo St., Dallas, Tex.
Atlas Mineral Products Co., Mertztown, Pa.
Atlas Mortar Co., 58 Sutter, San Francisco, Cal.
Atlas Oil Co., Rose Bldg., Cleveland, Ohio.
Atlas Ornamental Iron Works, 2510 E. 52nd, Los Angeles, Cal.
Atlas Packing & Rubber Co., Pier I, Seattle, Wash.
Atlas Paint & Varnish Co., 1689 Park Ave., New York.
Atlas Paint Co., Nashville, Tenn.

ATLAS PAINT CO., 18th st. & W. P. R. R., Sharpsburg, Pittsburgh, Pa.

Atlas Paper Co., 400 S. Mer, Indianapolis, Ind.
Atlas Plywood Corp., 10 High St., Boston, Mass.
Atlas Portland Cement Co., 25 Broadway, New York.
Atlas Portland Cement Co., 134 N. La Salle, Chicago, Ill.
Atlas Powder Co., Delaware Trust Bldg., Wilmington, Del.
Atlas Press Co., Kalamazoo, Mich.
Atlas Radiator Pedestal Co., 102 Williams, Norwich, Conn.
Atlas Railway Supply Co., 431 S. Dearborn St., Chicago.
Atlas Rock Co., Commercial & Savings Bank Bldg., Stockton, Cal.
Atlas Roof Co., 212 N. Los Angeles St., Los Angeles, Cal.
Atlas Roofing Co., cornices, Newburgh, N. Y.
Atlas Rubber & Belting Co., mill & facty. supplies, 321 Walnut, Cincinnati, Ohio.
Atlas Shear Co., 230 North Ave., Bridgeport, Conn.
Atlas Shingle Co., Atlas, Idaho.
Atlas Shipping Company, 11 Broadway, New York.
Atlas Soda Fountain Co., 454 N. Halsted, Chicago, Ill.
Atlas Specialty Mfg. Co., 2100 S. Morgan St., Chicago.

ATLAS STEEL CASTING CO., 1963 Elmwood Ave., Buffalo, N. Y.
Pres.—George H. Chisholm.
V. P. & Gen. Mgr.—E. C. Strong.
Secy. & Pur. Agt.—H. L. Chisholm.
Treas.—Clinton R. Wyckoff.
New York—200 5th Ave., W. H. Laverock, Works Mgr.

Atlas Steel Barrel Corp., Blvd. & Gertrude, New York.
Atlas Steel Column Mfg. Co., 312 N. 8th, Brooklyn, N. Y.
Atlas Steel Corp., Dunkirk, N. Y.
Atlas Supply Co., Muskogee, Okla.
Atlas Supply Co., 4537 High St., Philadelphia, Pa.
Atlas Tack Co., Fairhaven, Mass.
Atlas Tie Co., railroad ties, Coeur D'Alene & Atlas, Idaho.
Atlas Tool Works, 488 John St., Bridgeport, Conn.
Atlas Truck Corp., The, York, Pa.
Atlas Valve Company, 279 South St., Newark, N. J.
Atlas Vise Co., Inc., Lowville, N. Y.
Atlas Wall Plaster Co., 2932 Greenwood, Louisville, Ky.
Atlas Waste Mfg. Co., Cooper Ave., Brooklyn, N. Y.
Atlas Welding Works, Rahway, N. J.

ATLAS WIRE DIE CO., diamonds & diamond tools, 100 5th av., New York.

At Last Washer Co., washing machs., Perry, Ia.
Atlastic Paint Mfg. Co., 1007 Marquette Ave., Minneapolis, Minn.
Atlee, S. & J. C., lumber mfrs., Fort Madison, Iowa.
Atmo Signal Corp., 175 Centre St., Nutley, N. J.
Atmospheric Conditioning Corp., Lafayette Bldg., Philadelphia, Pa.
Atmospheric Nitrogen Corp., Syracuse, N. Y.
Atsatt Bros., coffee & peanut roasters, Mattapoisett, Mass.
Attalia Foundry & Mach. Co., Attalla, Ala.
Attapulgas Clay Co., fullers' earth, 3144 Passyunk Ave., Philadelphia, Pa. (Mines at Attapulgus, Ga., & Ellenton, Fla.)
Atteaux & Co., Inc., F. E. 172-178 Purchase St., Boston, Mass.
Atterbury & McKelvey, Inc., wood pulp, 11 Broadway, New York.
Atterbury Bros, Inc., 145 Nassau, New York.
Atterbury, Grosvenor, architect, 139 E. 53rd, New York.
Atterbury Motor Car Co., Elmwood & Hertel Sts., Buffalo, N. Y.
Attica Foundry Co., Attica, Ind.
Attica Lbr. Co., Attica, Ind.
Attley & Co., J. M., 1211 Lumber Exchange, Chicago.
Attwell Cornice Co., Ft. Worth, Tex.
Attwood & Trysell, architects, Temple Bldg., Detroit, Mich.
Attwood Brass Wks., machsts., Grand Rapids, Mich.
Atwater & Dow, common brick, South Amherst, Mass.
Atwater, D., & Son, masons' & bldrs.' matls., Massillon, Ohio.
Atwater, E. C., & Co., cornices, 23 Bond; Springfield, Mass.
Atwater Kent Mfg. Wks., 4937 Stenton St., Philadelphia, Pa.
Atwater Mfg. Co., Plantsville, Conn.
Atwater Mfg. Co., forgings, Southington, Conn.
Atwater, S. I., advrtg. nov., 101 Lafayette, New York.
Atwood & McManus Box Co., Chelsea, Mass.
Atwood & Morrill, regulators, valves, etc., 48 Loring Ave., Salem, Mass.
Atwood, Anthony, masons' & bldrs.' matls., Plymouth, Mass.
Atwood, C. W., masons' & bldrs.' matls., Watertown, Conn.
Atwood, Crawford Co., textile machy., Pawtucket, R. I.
Atwood-Davis Sand Co., 112 W. Adams St., Chicago.
Atwood, F. H., Lumber Co., Cairo, Ill.
Atwood, Frank W., aniline colors, Boston, Mass.
Atwood-Jones Mfg. Co., machinists, Stillwater, Minn.
Atwood, L. O., lbr., Rock, Mass.
Atwood Machine Co., Stonington, Conn.
Atwood River Canning Co., Valona, Ga.
Atwood-Robbins Lumber Co., masons' & bldrs.' matl., Plymouth, Mass.
Atwood Vacuum Cleaner Co., Rockford, Ill.
Atyeo Bros., masons' & bldrs.' matls., Sullivan, Ohio.
Aubel, F. & E., iron, 2505 Germtn., Philadelphia, Pa.
Aubentin, Jos. F., tex. machy., roll coverers, New Bedford, Mass.
Aubeuf, Frank J., Oneida, N. Y.
Auburn Auto Co., Auburn, Ind.
Auburn Ball Bearing Co., 28 Industrial St., Rochester, N. Y.
Auburn Brick & Tile Co., Auburn, Ia.
Auburn Brush Co., Auburn, Me.
Auburn Button Works, Inc., 40-44 Washington St., Auburn, N. Y.
Auburn Canning Co., Auburn, Neb.
Auburn Converting Co., Brookfield Pl., Auburn, N. Y.
Auburn Foundry Corp., Auburn, Ind.
Auburn Handle Co., Auburn, Ind.
Auburn Hardware Co., Auburn, Ind.
Auburn Ignition Mfg. Co., Auburn, N. Y.
Auburn Leather Goods Co., Auburn, N. Y.
Auburn Lumber Co., Auburn, Ind.
Auburn Mach. & Auto. Garage, Auburn, Ind.
Auburn Mfg. Co., phonograph cabinets, Auburn, Ind.
Auburn Mfg. Co., bodies & seats, wood (auto., carriages, etc.), Auburn, Ind.
Auburn Mills, flour, Auburn, Ky.
Auburn Post Card Mfg. Co., Auburn, Ind.
Auburn Shale Brick Co., Auburn, Pa.
Auburn Wagon Co., Martinsburg, W. Va.
Auburndale Hardware Co., Toledo, Ohio.
Auchey's, Abraham G. & Sons, machsts. & fndrs., Codorus, Pa.
Aucutt Bros., masons' & bldrs.' matls., Aurora, Ill.

AUDIFFREN REFRIGERATING MACHINE CO., 2211 West st. Bldg., New York.

Audubon Canning Co., Audubon, Ia.

AUDUBON WIRE CLOTH CO., INC., Nicholson Rd. & Atlantic av., Audubon, N. J.
Pres.—Robert T. Korb.
V. P.—Henry H. Collins.
Sec. & Treas.—Wm. H. Egee.

Auer & Twitchell, Drexel Bldg., Philadelphia, Pa.
Auer, Armin, contrs., 2223 E. North Ave., Baltimore, Md.
Auer, C. A., leather, Corry, Pa.
Auer, John, Jr., heavy hdwe., bolts, hinges, hooks, etc., 197 Middleton, Brooklyn, N. Y.
Auer Register Co., 403 Long Ave., Cleveland, O.
Aufrichtig Copper & Sheet Iron Mfg. Co., Alois, 900 S. 3rd St., St. Louis, Mo.
Aughenbaugh, B. A., carriages, Urbana, Ohio.
Aughinbaugh Canning Co., 1501 Russel, Baltimore, Md.
Auginbaugh, H. C., masons' & bldrs.' matls., Wellsville, Ohio.

Auglaize Box Board Co., Saint Marys, Ohio.
Auglaize Cooperage & Lbr. Co., Minster, Ohio.
Auglaize Hoist & Body Co., Dept. H, New Bremen, Ohio.
Auglaize Motor Car Co., New Bremen, Ohio.
Augstein, S., & Co., gloves, sweaters, etc., 352 4th Ave., New York.
Augur, Chas. E., Co., contractors, 549 Elm, New Haven, Conn.
Augusta Bedding Co., hair mattresses, Augusta, Ga.
Augusta Broom Works, Augusta, Ga.
Augusta Factory, cotton duck & canvas, Augusta, Ga.
Augusta Hardware Co., Augusta, Ga.
Augusta Knitting Co., Utica, N. Y.
Augusta Lumber Co., Augusta, Ga.
Augusta Lbr. Co., Augusta, Me.
Augusta Milling & Mercantile Co., flour, Mossy Creek, Va.
Augusta Milling Co., flour, Augusta, W. Va.
Augusta Roofing & Metal Works, 529 Broad St., Augusta, Ga.
Augusta Stove Fdry., Augusta, Ky.
Augusta Veneer Co., Augusta, Ga.
Augustine Automatic Rotary Engine Co., 1934 Elmwood av., Buffalo, N. Y.
Augustine Brass Foundry, bushings & castings, 1137 S. Pilgrim, Stockton, Cal.
Augustine, T. C., boilers, St. Joseph, Mo.
Auld & Conger Co., 942 Prospect St., Cleveland, O.
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Auletta Constr. Co., 103 Park Ave., New York.
Aull Bros. Co., oyster & ice cream pails, paper pails, Dayton, Ohio.
Aulsbrook & Jones Furn. Co., Dept. H, Sturgis, Mich.
Aulson & Sons, J. W., Waukegan, Ill.
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Aultman, Inc., advtg. signs, 488 Jefferson Ave., Milwaukee, Wis.
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Aultman Steam Pump Works, Fairmont, W. Va.
Aumen Machy. Co., 107 E. Lombard St., Baltimore, Md.
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Avalon Paint Co., 2127 Santee, Los Angeles, Cal.
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Avery & Co., 48 Third St., Portland, Ore.
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Baker-Hickman Co., 1460 W. Anaheim, Long Beach, Cal.

BAKER ICE MACHINE CO., Inc., Nicholas St., Omaha, Neb.
Pres.—J. L. Baker.
Sec.—F. J. Vette.
Treas.—R. L. Baker.
Branches and Sales Agencies—

Baltimore, Md.	Little Rock, Ark.
Birmingham, Ala.	Los Angeles, Calif.
Boston, Mass.	Memphis, Tenn.
Chicago, Ill.	Minneapolis, Minn.
Denver, Colo.	Orlando, Fla.
Des Moines, Ia.	Philadelphia, Pa.
Fort Worth, Tex.	Pittsburgh, Pa.
Kansas City, Mo.	Seattle, Wash.
Valdosta, Ga.	

Baker Iron Wks., 912 N. Broadway, Los Angeles, Cal.
Baker, J. A., canned goods, East New Market, Md.
Baker, J. T., Chemical Co., hydrobromic acid, Phillipsburg, N. J.
Baker, Jas. M., patterns & models, 114 W. Exchange, Providence, R. I.
Baker, John S., brake handles, rachet wheels, Beverly, Mass.
Baker Joslyn Co., 199-1st St., San Francisco, Calif.
Baker Lead Mfg. Co., 28 Cherry St., Worcester, Mass.
Baker Linen Co., H. W., 41 Worth St., New York.
Baker Lockwood Mfg. Co., Inc., 7th & Wyandotth sts., Kansas City, Mo.
Baker, M. C., & Son, Inc., coil springs, 682 Mission, San Francisco, Cal.
Baker, McMillen Co., handles, wood turning, 132 E. Miller Ave., Akron, Ohio.
Baker Machine Co., 664 Acushnet av., New Bedford, Mass.
Baker Machine Co., G. W. Wilmington, Del.
Baker Machinery Co., Des Moines, Iowa.
Baker-Manchester Mfg. Co., silver & plated novelties, 100 Stewart, Providence, R. I.
Baker Manufacturing Co., 265 16th, Portland, Ore.
Baker Mfg. Co., Evansville, Wis.

BAKER MFG. CO., 1000 Stanford, Springfield, Ill.

Baker Mfg. Co., S. D., 234 W. 14th St., New York.
Baker Mfg. Corp., Saratoga Springs, N. Y.
Baker-Matthews Lbr. Co., Bank of Commerce Bldg., Memphis, Tenn.
Baker-Matthews Mfg. Co., lumber, Sikeston, Mo.
Baker-Minter Lbr. Co., Inc., mfrs., Elmira, N. Y.
Baker, Moore & Co., lbr., Salkehatchie, S. C.
Baker-Nealey Co., lumber, Chesaw, Wash.
Baker, O. D., Co., mattresses, 77 Washington, N., Boston, Mass.
Baker-Payne-Voye Co., dlrs. of sheet metals, steam pipes & fittings, 1177 Adams, Boston 24, Mass.
Baker-Perkins Mfg. Corp., The, White Plains, N. Y.
Baker, R. & L., Co., automobile body & industrial truck bldrs., 2180 W. 25th, Cleveland, O.
Baker, R. D., & Co., contrs., Penobscot Bldg., Detroit, Mich.
Baker, R. W., soap, San Jose, Cal.
Baker River Lumber Co., Concrete, Wash.

BAKER, S. D., MFG. CO., bathroom accessories, 234 W. 14th, New York.

Baker, Smith & Co., 576 Greenwich St., New York.
Baker Sons & Perkins Co., Inc., Joseph, White Plains, N. Y.
Baker Specialty & Supply Co., plumbers' supplies, jobbers, Logansport, Ind.
Baker Stove Works, Belleville, Ill.
Baker, T. E., & Sons Co., elec. & gas light fixtures, San Jose, Cal.
Baker Valve Co., 1855 E. 28th St., Minneapolis, Minn.
Baker-Vawter Company, Benton Harbor, Mich.
Baker, W. J., Co., metal screens & specialties, Newport, Ky.
Baker, W. S., canned goods, Bridgeton, N. J.
Baker, W. W., Tanning Co., Sumac, Hallsboro, Va.
Baker-Wakefield Cypress Co., Plattenville, La.
Baker White Pine Lumber Co., Baker, Ore.
Baker, Wm., masons' & bldrs.' matls., New Baltimore, Mich.
Baker, Wm. H., machst., Trenton, N. J.
Bakers' Helper Co., trade publication, 431 S. Dearborn St., Chicago, Ill.
Bakers' Review, trade publication, 25 W. Broadway, New York.
Bakers' Sons, J., & Perkins Co., Inc., machy. mfrs., White Plains, N. Y.
Bakers Specialty Co., 1115 Farnam, Omaha, Nebr.
Bakers' Weekly, trade publication, 41 W. 45th, New York.
Bakersfield Iron Works, Bakersfield, Cal.
Bakersfield Junk Co., Bakersfield, Cal.
Bakersfield Sandstone Brick Co., Bakersfield, Calif.
Bakersfield Sheet Metal Works, 1807 L, Bakersfield, Cal.
Bal, Wm., Co., trunk mfrs., 14 Johnson, Newark, N. J.
Balbach Co., oxygen & hydrogen, Omaha, Nebr.
Balbach Smelting & Refining Co., 280 Broadway, New York.
Balbach Smelting & Refining Co., Newark, N. J.
Balch Bros. & West, advtg. spec., Utica, N. Y.
Balch, H. F., & Co., contrs., Phoenix Bldg., Minneapolis, Minn.
Baldauf & Schilentz, contrs., Marion, Ohio.
Balderston, H., & Sons, archl. iron, 505 W. Franklin, Baltimore, Md.
Baldock & Co., flour mills, Dearborn, Va.
Baldor Electric Co., 4351-55 Duncan Ave., St. Louis, Mo.
Baldoser & Pace Pottery Co., Roseville, Ohio.
Baldridge & Co., Inc., E. R., Hollidaysburg, Pa.
Baldridge Bros., contrs., Decatur, Ill.
Baldridge, J. C., Lumber Co., Albuquerque, N. M.
Baldt-Anchor Co., Chester, Pa.
Baldwin & Co., Inc., Austin, 42 Whitehall St., New York.
Baldwin & Lewis, turpentine, Graham Bldg., Jacksonville, Fla.
Baldwin & Prince, archl. engrs., 116 Brooke Ave., Norfolk, Va.
Baldwin & Prisler Co., stone producers, Ottawa, Ill.
Baldwin, A., & Co., Ltd., wholesale hdwe., Camp & Common, New Orleans, La.
Baldwin, B., Mach. Shop, 331 Towne, Los Angeles, Cal.
Baldwin Brass Wks., fndrs., 411 S. Clinton, Chicago, Ill.
Baldwin Bros., contrs., Rose Bldg., Cleveland, Ohio, & Erie, Pa.
Baldwin Bros., wagon hubs & spokes, Ironton, Mo.
Baldwin Bros., machinists, Winona, Minn.
Baldwin Chain & Mfg. Co., 199 Chandler St., Worcester, Mass.
Baldwin, C. S., Mfg. Co., sheet metal stamping, metal novelties, etc., Cherry, Milford, Conn.
Baldwin Co., organs, 142 W. 4th, Cincinnati, Ohio.
Baldwin County Fertilizer Co., Milledgeville, Ga.
Baldwin, Dwight M., Jr., flour, 2219 Pillsbury Ave., Minneapolis, Minn.
Baldwin, E. F., machsts. & fndrs., Gardner, Mass.
Baldwin, E. N. hdwe. mfrs. (carriage), Shelton, Conn.
Baldwin, Edwin L., masons' & bldrs.' matls., Lestershire, N. Y.
Baldwin, Eli, & Son, cloth covered paper boxes, 84H Wooster, New York.
Baldwin, Frank, & Son, contrs.' tools, 33 South, New York.
Baldwin, H. A., & Co., masons' & bldrs.' matls., 14903 Saranac, Cleveland, Ohio.
Baldwin, H. N., canned goods, Chestertown, Md.
Baldwin, Homer (Est. of), flour mills, Youngstown, O.
Baldwin, J. Frank, masons' & bldrs.' matls., 1331 Huntsville Ave., Birmingham, Ala.
Baldwin, J. P., htg. contr., 1304 W. Washington St., Chicago, Ill.
Baldwin, Jas. L., & Co., cash carriers, 350 W. Madison, Chicago, Ill.
Baldwin Locomotive Works, 500 N. Broad St., Philadelphia, Pa.
Baldwin Lumber Co., Baldwin, La.
Baldwin Lumber Co., Garfield Ave., Jersey City, N. J.
Baldwin, M. E., Construction Co., 426 Plymouth Ct., Chicago, Ill.
Baldwin, Martin, machsts. & fdrs., St. Clair, Mich.
Baldwin Mfg. Co., tools & special machy., Cherry, Milford, Conn.
Baldwin, Nathaniel, head sets, Salt Lake City, Utah.
Baldwin, N. T., & Son, contractors, Atlantic City, N. J.
Baldwin Piano Co., 142 W. 4th St., Cincinnati, O.
Baldwin Refrigerator Co., Burlington, Vt.
Baldwin Supply Co., Elkins, W. Va.
Baldwin, T. F., decorative art leathers, 65 W. 46th, New York.
Baldwin Tool Wks., Parkersburg, W. Va.
Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Baldwyn Brick & Tile Co., Baldwyn, Miss.
Balestrieri, R., & Co., stone, Atlantic City, N. J.
Balf, Edw., Co., contractors, R. 174 Seymore, Hartford, Conn.
Balfour, Guthrie & Co., 350 California St., San Francisco, Calif.
Balfour Steel Co., The Arthur, 391 Atlantic Ave., Boston, Mass.
Balke & Co., fndr., Louisville, Ky.
Balke & Krauss Co., sash, door & blind mfrs., 427 Market, Indianapolis, Ind.
Balkwell & Patch Furn. Co., 1000H Fullerton Ave., Chicago, Ill.
Balkwill Manganese Crossing Co., The, Cleveland, O.
Ball & Bro. Lbr. Co., Ltd., J. F. Alexandria, La.
Ball & Jewell, machsts., 24 Franklin, Brooklyn, N. Y.
Ball & Maslach, contrs., Reedley, Cal.
Ball & Roller Bearing Co., The, Danbury, Conn.
Ball & Socket Mfg. Co., metal buttons, West Cheshire, Conn.
Ball Bros. Glass Mfg. Co., Muncie, Ind.

BALL CHEMICAL CO., General Office, Fulton Bldg., Pittsburgh, Pa.
Pres.—H. G. Taylor, Pittsburgh, Pa.
V. P.—C. O. Taylor, Chicago.
Sec. & Treas.—Geo. L. Ball, Pittsburgh, Pa.
Chicago—C. O. Taylor.

Ball Co., Webb C., 1110 Euclid Ave., Cleveland, O.
Ball Engine Co., (now Erie Steam Shovel Co.) Erie, Pa.
Ball Gear & Mach. Co., machsts., 56 Greenpoint Ave., Brooklyn, N. Y.
Ball Grain Explosives Co., Wilmington, Del.
Ball Ground Oil & Fertilizer Co., Ball Ground, Ga.
Ball, I. M., & R. E., carriages, Bushnell, Ill.
Ball, J. F., & Bro., Lbr. Co., Ltd., Alexandria, La.
Ball, John R., Fdry. & Mach. Wks., Durango, Colo.
Ball, Phil. De C., machsts., Security Bldg., St. Louis, Mo.
Ball Supply Co., whol. hdwe., Charleston, S. C.
Ballard & Ballard Co., flour mills, Louisville, Ky.
Ballard & Son, see Ballard Monument Co. (successor).
Ballard Co., J. W. Binghamton, N. Y.
Ballard Drop Forge Co., 1145 W. 46th St., Seattle, Wash.
Ballard-Ford Hardware Co., Washington C. H., Ohio.
Ballard Japanning Co., patent leather, Woburn, Mass.
Ballard Knitting Co., sweaters, etc., Norristown, Pa.
Ballard Marine Railway Co., Inc., Ft. Shilshole & 24th Ave., N. W., Seattle, Wash.
Ballard Monument Co., Sioux Falls, S. D.
Ballard Packing Co., meat, fertilizer mfrs., Marion, Ind.
Ballard, Sprague & Co., Inc., 200 Fifth Ave., New York.
Ballard, Stephen Rubber Co., 90 W. Broadway, New York.
Ballard Tile & Marble Co., Sioux Falls, S. D.
Ballard Vale Mills Co., woolen flannels, Ballard Vale, Mass.
Ballet, Jacob, cornices & skylights, Edinburg, Ill.
Balley, W. T. Lbr. Co., Virginia, Minn.
Balliet, A. H., cigar box mfrs., 30th & Linden, Allentown, Pa.
Ballin, August E., brick, Lacarne, Ohio.
Ballin, F. A., naval arch., Concord Bldg., Portland, Ore.
Ballin, R. C., brick, Lacarne, Ohio.
Ballinger, R. C., & Co., contractors, 1508 Chestnut, Philadelphia, Pa.
Ballman Cabinet Co., Covington, Ky.
Ballman Cummings Furn. Co., Dept. H, Fort Smith, Tex.
Ballman Wireless Mfg. Co., Baltimore, Md.
Balloffett Baszanger Co., 108 Fulton St., New York.
Ballou & Son, M. E., Becket, Mass.
Ballou & Wright, auto accessories, 10th & Flanders, Portland, Ore.
Ballou Brick Co., Sioux City, Ia.
Ballou, J. C., granite, Quincy, Mass.
Ballou, Johnson & Nichols Co., wholesale hdwe., 128 Dorrance, Providence, R. I.
Ballou Thread Co., 189 Charles, Providence, R. I.
Ballston Fibre Products Co., Ballston Spa., N. Y.
Ballwood Co., The, 50 Church St., New York.
Balte, Ben, & Son, lbr., Ferdinand, Ind.
Baltes, E. M., & Co., masons' & bldrs.' matls., 212 Harrison, Fort Wayne, Ind.
Baltes, H. A., lamp cord adjusters, Garwood, N. J.
Baltimore Belting Co., 23 S. Gay st., Baltiomre, Md.
Baltimore Brass Co., Baltimore, Mass.
Baltimore Brass & Plating Wks., castings, 805 E. Fayet, Baltimore, Md.
Baltimore Brick Co., Md. Trust Bldg., Baltimore, Md.
Baltimore Broom Wks., 2105 Eastern Ave., Baltimore, Md.
Baltimore Buggy Top Co., Guilford Ave. & Chase, Baltimore, Md.
Baltimore Canning Co., 110 E. York, Baltimore, Md.
Baltimore Car & Fdry. Co., Continental Bldg., Baltimore, Md.
Baltimore Chair & Furn. Co., 801H Madison Ave., Baltimore, Md.
Baltimore Cooperage Co., 1223 Leadenhall, Baltimore, Md.
Baltimore Copper Paint Co., Hughes Ave. & Covington St., Baltimore, Md.
Baltimore Copper Smelting & Rolling Co., 4th Ave. and 5th St., Canton, Baltimore, Md.
Baltimore Dredging & Contracting Co., see Arundel Corp. (successor).
Baltimore Dry Docks & Ship Building Co., see Bethlehem Shipbuilding Corp., Ltd., Baltimore Dry Dock Plant (successor).
Baltimore Electrical Supply Co., 309 N. Calvert, Baltimore, Md.
Baltimore Electro Alloys Co., The, Lexington Bldg., Baltimore, Md.
Baltimore Enamel & Novelty Co., Mt. Winans, Baltimore, Md.
Baltimore Engine Co., 221 N. Calvert, Baltimore, Md.
Baltimore Fertilizer Co., 221 N. Calvert, Baltimore, Md.
Baltimore Gas Appliance & Mfg. Co., gas stoves, Bayard & Hamburg, Baltimore, Md.
Baltimore Gas Light Co., 307 W. Redwood, Baltimore, Md.
Baltimore Hub-Wheel Mfg. Co., Fiswy & Gy, Baltimore, Md.
Baltimore Lumber Co., 1123 E. Baltimore, Baltimore, Md.
Baltimore Malleable Iron & Steel Casting Co., Baltimore, Md.
Baltimore Oil Engine Co., Eastern Ave. & 31st, Baltimore, Md.
Baltimore Oil Co., 106 N. High, Baltimore, Md.
Baltimore Oxidized Nail Co., 215 S. Central Ave., Baltimore, Md.
Baltimore Paper Co., 36 S. Hanover, Baltimore, Md.
Baltimore Peach Bottom Slate Corp., Delta, Pa.
Baltimore Polytechnic Institute, engng. schools & coll., North Ave. & Calvert, Baltimore, Md.
Baltimore Plumbing Supply Co., 3 N. Central Ave., Baltimore, Md.
Baltimore Roofing & Asbestos Mfg. Co., Asbestos, Md.
Baltimore Salesbook Co., The, 1540 Ridgely St., Baltimore, Md.
Baltimore Stamping & Enameling Co., tinware mfrs., 909 E. Pratt, Baltimore, Md.
Baltimore Terra Cotta Wks., fire clay, 1300 Covington, Baltimore, Md.

BALTIMORE TUBE CO., mfrs. of brass & copper tubing, condenser tubes, sheet brass & copper, Wiconico & Ostend, Baltimore, Md.

Baltimore Varnish Wks., Severn & Bayard, Baltimore, Md.
Baltinger, Wm. F., 11450 Shoemaker, Detroit, Mich.
Baltuff, Jos. M., bldg. contrs., Metropolitan Bank Bldg., Minneapolis, Minn.
Balyeat Mfg. Co., mattresses, Mansfield, Ohio.
Bamberg Cotton Mills Co., see Santee Mills (successors).
Bamberger, Herman, Co., umbrella mfrs., 877 Broadway, New York.
Bambrick Bros. Construction Co., 5229 St. Louis, St. Louis, Mo.
Bambrook, A. W., fdrs., Jacksonville, Ill.
Bame & Cardell, contrs., 628 Park Ave., Albany, N. Y.
Bamforth & Co., advtg. post cards, 96 Warren, New York.
Bammerlin, Wm. A., pianos, Massillon, Ohio.
Bammerun, Oscar W., pianos, Massillon, Ohio.
Banar Cork Co., mfrs., 119-121 Water, Pittsburgh, Pa.
Bancroft & Barnard, mchsts. & fndrs., Gardner, Mass.
Bancroft & Martin Rolling Mills Co., Portland, Me.
Bancroft & Sons Co., J., Wilmington, Del. See Albert D. Smith & Co., New York.
Bancroft Electric Co., Worcester, Mass.
Bancroft, Fred'k J., tennis racquet mfr., Pawtucket, R. I.

BANCROFT-JONES CORPORATION (Steel Buildings), 9 Hubbard St., Buffalo, N. Y.
V. P. & Gen. Mgr.—F. H. Frankland.
V. P. & Mgr. Sales—H. W. Littlefield.
Sec.-Treas.—F. H. Hazard.

Bancroft, Wendell & Co., masons' & bldrs.' matls., Reading, Mass.
Banderob-Chase Co., washing mach., Oshkosh, Wis.
Bandler, Bernard & Sons, 8 W. 40th St., New York.
Bane & Hoffman, contractors, Joplin, Mo.
Baner Trunk & Bag Co., Oshkosh, Wis.
Bangert Improved Tool Co., Inc., Union, N. J.
Bangert, John, & Son, leather, Straight & Mass, Cincinnati, Ohio.
Bangor Casket Mfg. Co., Bangor, Pa.
Bangor Central Slate Co., Bangor, Pa.
Bangor Excelsior Slate Co., Easton, Pa.
Bangor Granite Co., Bangor, Me.
Bangor School Slate Co., Bangor, Pa.
Bangor Stoneware Co., Bangor, Me.
Bangor-Washington Slate Co., Bangor, Pa.
Bangs, C. H., Druggists' Fix. Co., store & bar fixtures, Reading, Mass.
Bangs-Gaynor Cement & Plaster Co., Fayetteville, N. Y.
Bangs, Jno. D., & Co., cooking apparatus, 421 S Wabash Ave., Chicago, Ill.
Banister & Pollard, 206 Market St., Newark, N. J.
Banister, A. W., 421 Dorchester Ave., Boston, Mass.
Banister Co., Jas. A., 370 Orange St., Newark, N. J.
Banister Mills, flour, Houston, Va.
Banker, John W, 17 White St., New York.
Banker Mfg. Co., door checks & springs, New Brunswick, N. J.
Banker Windshield Co., 5722 Ellsworth Ave., Pittsburgh, Pa.
Bankers Ink Co., 114 W. 5th, Kansas City, Mo.
Bankers Utilities Co., banks, 289 1st, San Francisco, Cal.
Banks Bros., masons' & bldrs.' matls., Biddeford, Me.
Banks Bros. Packing Co., meat packers, Norfolk, Va.
Banks, F. S., & Co., protractors, 78 Reade, New York.
Banks Hdwe. Co., mill & facty. supplies, Columbus, Miss.
Banks, John H., & Son, assayers, 26 John, New York.
Banks Supply Co., 2nd av. & 11th st., Huntington, W. Va.
Banner Accessory Mfg. Co., auto traffic signals, 2629 La Salle, Chicago, Ill.
Banner Buggy Co., 1310 S. 13th st., St. Louis, Mo.
Banner Clay Wks., brick, Edwardsville, Ill.
Banner Coal & Sand Co., masons' & bldrs.' matls., 450 Audubon, St. Louis, Mo.
Banner Electric Div., National Lamp Works of General Electric Co., Youngstown, O.
Banner Iron Works, 4560 Shaw, St. Louis, Mo.
Banner Machine Co., Columbiana, Ohio.
Banner Mfg. Co., aqua ammonia, 1341 Adelaide, Detroit, Mich.
Banner Mfg. Co., cradles, Mt. Airy, N. C.

Banner Mfg. Co., pipe couplings, basin calks, 109 Lafayette, New York.
Banner Packing Co., Lebanon, Ohio.

BANNER ROCK PRODUCTS CO., Alexandria, Ind.
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V. P.—S. L. O'Bryant.
Sec.—Wm. J. Lippincott.
Treas.—C. H. Hall.

Banner Roller Mills, Lincolnton, N. C.
Banner Rubber Co., 208 N. 4th, St. Louis, Mo.
Banner Window Glass Co., S. Charleston, W. Va.
Banning Canning Co., Banning, Cal.
Banning, L. G., lbr., First Nat'l Bank Bldg., Cincinnati, Ohio.
Banning, W. E., Stamp & Stencil Works, Syracuse, N. Y.
Bannister & Co., A. F., Newark, N. J.
Bannister Marble & Granite Wks., stone producers, Bristol, Pa.
Bannon Lbr. Co., Syracuse, N. Y.
Bannon, P., & Sons, masons' & bldrs.' matls., 129 Richards, Brooklyn, N. Y.
Bannon Pipe Co., P., 523 Court Place, Louisville, Ky.
Banta & Bender Co., incubators & refrigerators, Ligonier, Ind.
Banta Refrigerator Co., Clearfield, Pa.
Bantam Ball Bearing Co., Bantam, Conn.
Banting Machine Co., Toledo, Ohio.
Bantleon Bros. Co., 97 Railroad St., Rochester, N. Y.
Bantlin Co., The, Julius J., 216 E. 3rd St., Cincinnati, O.
Baraboo Mfg. Co., Baraboo, Wis.
Baraga Lbr. Co., Baraga, Mich.
Baranowitz, M., machsts., 182 Centre, New York.
Barbara & D'Aurio, contractors, 63 Bank, Waterbury, Conn.
Barbaresi, A., & Son, contractors, Mt. Vernon, N. Y.

BARBEE WIRE & IRON WORKS, 443 Conway Bldg., Chicago.
Pres. & Treas.—W. B. Rix.
Sec.—F. S. Spohr.
Factories:—Lafayette, Ind.

Barber & Ross, 11th & G. st., N. W. Washington, D. C.
Barber, A. H., Goodhue Co., dairy app., 300-06 W. Austin Ave., Chicago, Ill.
Barber Asphalt Paving Co., 450 E. Delavan, Buffalo, N. Y.
Barber Asphalt Paving Co., 15th Floor L Tite Bldg., Philadelphia, Pa.
Barber Asphalt Paving Co., The, Iroquois Works, 15th Floor L Tite Bldg., Philadelphia, Pa.
Barber, C. G., advtg. signs, Ithaca, N. Y.
Barber, Chas. L., sash, door & blind mfr., Orange, N. J.

BARBER-COLMAN CO., 1200 River St., Rockford, Ill.
Branch Offices and Agents:
CALIF.—Los Angeles—F. O. Stallman Supply Co., 500 E. 3rd St., Vandike 0752.
San Francisco—F. O. Stallman Supply Co., 167 1st St., Sutter 1068.
ILL.—Chicago—W. D. Hintze, Mgr., 631 W. Washington Blvd., Main 2087.
MASS.—Boston—F. L. Peabody, Mgr., 77-79 Washington St., North Richmond 2255.
MICH.—Detroit—T. R. Hodges Mgr., 4210 Woodward Ave., Glendale 484.
Muskegon—Lake Shore Machinery Co.
MINN.—Minneapolis—R. H. Jones, 1400 Portland Ave.
N. Y.—New York—William Brewster Co., 30 Church St., Cortland 5264.
Rochester—F. R. Ridgley, Mgr., 109 Central Bldg.
O.—Cincinnati—M. N. Hough, Mgr., P. O. Box 780.
Cleveland—Alpha M. Brown, Mgr., 616 St. Clair Ave. N. E.
WASH.—Seattle—Whiton Hardware Company, Main 2907.
WIS.—Milwaukee—Western Iron Stores Co., 145-7 W. Water St., Grand 5270.

Barber Co., W. H., 3650 S. Homan Ave., Chicago.
Barber Cre-Sote Stained Shingle Co., Inc., (Now Barcrest Co., The), Detroit, Mich.
Barber, El. Mfg. Co., switches, North Attleboro, Mass.
Barber-Foster Engineering Co., 318 Stuyvesant Bldg., Cleveland, O.
Barber-Greene Co., 565 West Park Ave., Aurora, Ill
Barber, H. J., contractor, 7308 Waterloo, Detroit, Mich.
Barber, H. S., masons' & bldrs.' matls., Penns Grove, N. J.
Barber Leather Co., North Adams, Mass.
Barber, M. A., mchsts. & fndrs., Norwich, Conn.
Barber Mfg. Co., bed springs, Anderson, Ind.
Barber Mfg. Co., cotton webbing, tapes, etc., Lowell, Mass.
Barber Mfg. Co., Ashtabula, O.
Barber Milling Co., flour, 552 Cham. Commerce, Minneapolis, Minn.
Barber-Paschal Lbr. Co., Maxton, N. C.
Barber Turpentine Co., Milton, Fla.
Barbers' Journal, trade publication, 400 Broadway, New York.
Barbon Slate Co., Slatington, Pa.
Barbour Boat & Pattern Co., Valley Park, Mo.
Barbour Bros., machsts., Trenton, N. J.
Barbour Chemical Co., acids barium, 50th Ave. E., Oakland, Cal.
Barbour Chemical Works, 354 Pine, San Francisco, Cal.
Barbour Flax Spinning Co., packing twine, etc., Paterson, N. J.
Barbour, J. E., Co., linen thread, Paterson, N. J.
Barbour, Love & Woodward, Inc. (Mach., Tools & Equip.), Grand Central Terminal Bldg., New York.
Barbour Plumbing, Heating & Elec. Co., Birmingham Ala.
Barbour Silver Co., Meriden, Conn.
Barbour Stockwell Co., 205 Broadway, Cambridgeport, Mass.
Barbourville Brick & Tile Co., Barbourville, Ky.
Barcalo Mfg. Co., 225 Louisiana St., Buffalo, N. Y.
Barckley, A. J., cornices & skylights, Batavia, Ill.
Barcklow & Fulton, contractors, Camden, N. J.
Barclay, Alex. M., hdg. contrs., 113 N. 6th, Philadelphia, Pa.
Barclay, Ayers & Bertsch Co., 321 Bond St., N. W Grand Rapids, Mich.
Barclay Bros. (Granite & Quarries), Barre, Vt.
Barclay Bros., 1515 Sansom St., Philadelphia, Pa.
Barclay, D., & Sons, blue prints, 1515 Sansom, Philadelphia, Pa.
Barclay, W. A., Jr., heating contractors, 314 Pacific Ave., Jersey City, N. J.

BARCO MANUFACTURING CO., 1803 Winnemac av., Chicago.
Pres. & Treas.—F. N. Bard.
V. P. & Sec.—C. L. Mellor
Boston, Mass.—F. H. Stiles.
Chicago—C. O. Jenista.
New York.—A. S. Lewis.
St. Louis, Mo.—W. J. Behlke, Jr.
Havana, Cuba—C. E. Knight.
Mexico City, Mex.—J. H. Cooper.
Montreal, Que., Can.—Holden Co., Ltd.
Toronto, Ont., Can.—Holden Co., Ltd.
Vancouver, B. C.—Holden Co., Ltd.
Winnipeg, Man.—Holden Co., Ltd.
Guatemala, C. A.—J. W. Hall.
Argentine, S. A.
Brazil, S. A.
Chile, S. A.—Wonham, Bates & Goode Trading Corp.
Peru, S. A.—W. R. Grace & Co.

Barcrest Co., The, 481 Beaufait Ave., Detroit, Mich.
Barcroft, Fred, machsts., Madera, Cal.
Barcus Bros., saws, Muskegon, Mich.
Barcus, G. F., masons' & bldrs.' matls., Rochester, Ind.
Barcus Mfg. Co., tuyere irons, Wabash, Ind.
Barcy-Nicholson Co., 2801 W. Fort, Detroit, Mich.
Bard, Chas. G., mill & facty. supplies, Kalamazoo, Mich.
Bard Hardware Co., hdwe., whol., Reading, Pa.
Bard Manufacturing Co., Royersford, Pa.
Bard Union Co., The, Norwich, Conn.
Bardall, J. C., Co., corn brooms, Moundsville, W. Va.
Barde Industrial Co., 24 W. Connecticut St., Seattle, Wash.
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Basford, Ereckson & Co., cornices & skylights, 5942 McCallum, Chestnut Hill, Philadelphia, Pa.
Basford, H. R., Co., 180 New Montgomery, San Francisco, Cal.
Bash, C. E., & Co., masons' & bldrs.' matls., Huntington, Ind.
Bashche-Sage Hardware Co., Baker, Ore.
Bashford, E. A., ties, poles & posts, Peebles, Ohio.
Bashlin Co., Warren, Pa.
Basic Mfg. Co., see Kiamensi Clay Co. (successor)
Basic Mineral Co., The, 834 Columbus Ave., Pittsburgh, Pa.
Basic Products Co., Oliver Bldg., Pittsburgh, Pa.
Baskerville & Jones, flour mills, Champe, Va.
Basket Importing Co., 5 Union Sq., New York.
Baskin Lumber Co., Baskin, La.
Basman, A. M., & Co., cornices, 1644-46 W. Fort, Detroit, Mich.
Bason, Wm., & Son, contractors, Sayville, N. Y.
Bass & Pettigrew Timber Co., Morgan City, La.
Bass Bros., Inc., 375 Rider av., New York.
Bass, E. & J., silver novelties, 610 Broadway, New York.
Bass, E. L., & Bros., contrs., 708 Bainbridge, Richmond, Va.

BASS FOUNDRY & MACHINE CO., Ft. Wayne, Ind.

Bass Furn. & Carpet Co., 19 W. Main, Oklahoma, Okla.
Bass-Huster Paint Co., 816 Mission St., San Francisco, Calif.
Bass, Knowlton, Graham & Reynolds, Kennedy Bldg., Tulsa, Okla.
Bass, Sam'l M., & Sons, plate glass, 56 Springfield, Newark, N. J.
Bass, Smith Co., canned goods, Litwalton, Va.
Basse, Wm., Hardware Co., San Antonio, Tex.
Bassemir, John, & Son, machsts., 122 Centre, New York.
Bassett & Co., J. H., 1458 Hollywood Ave., Chicago.
Bassett & Courtney, drain tile, Beaver City, Ind.
Bassett, & Wilson, bracket supports, 65 Sudbury, Boston, Mass.
Bassett, A., Iron & Wire Wks., 42 Walworth, Brooklyn, N. Y.
Bassett Bolt Works, D. M., Shelton, Conn.
Bassett, D. M., Bolt Wks., Shelton, Conn.
Bassett, E. C., bob sleds, farm wagons, Sterling, Ill.
Bassett, O. T., & Co., masons' & bldrs.' matls., El Paso, Tex.
Bassett Rose Supply Co., contrs., tools & mill & facty. supplies, 111 Market, Pittsburgh, Pa.
Bassett, Walter, soap, Taunton, Mass.
Bassett Window Shade Equip. Co., 922 F. St. N. W. Washington, D. C.
Bassick Co., The (Casters, etc.), 38 Austin av., Bridgeport, Conn.
Bassick Mfg. Co. (Lubricating Systems), 2638 N. Crawford Ave., Chicago. (Formerly Alemite Co.)
Bassick, N. C., & Sons, granite, South Thomaston, Me.
Bassill, Louis, Co., mchsts. & fndrs., 245 Cambridge, Boston, Mass.
Bassindale, Lambert, architect, Capital Bk. Bldg., St. Paul, Minn.
Bast, T. W., architect, Sedalia, Mo.

BASTIAN-BLESSING CO., THE, 240 E. Ontario st., Chicago.

Bastian Bros. Co., 1600 Clinton St., N. Rochester, N. Y.
Bastian-Morley Co., La Porte, Ind.
Bastian, W. A., Co., gas & water heaters, etc., 2117 Violet, Los Angeles, Cal.
Bastian, W. B., Mfg. Co., steam heaters, 2117 Violet, Los Angeles, Cal.
Bastrop Cotton Oil Co., Bastrop, La.
Baszanger Co., Inc., The, 65 Nassau St., New York.
Bataille & Co., 401 West St., New York.
Bataille, Achille & Co., bank railings, 401 West, New York.
Batalle & Renwick, chemicals, 80 Maiden Lane, New York.
Batavia & N. Y. Woodworking Co., Batavia, N. Y.
Batavia & New York Woodworking Co., sashes, 31 Union Sq., New York.
Batavia Brass & Iron Novelty Wks., oil can faucets, Batavia, N. Y.
Batavia Canned Goods Co., Batavia, N. Y.
Batavia Car Works, Inc., Batavia, N. Y.
Batavia Clamp Co., Batavia, N. Y.
Batavia Engineering Works, mchsts. & fndrs., Batavia, Ill.
Batavia Foundry Co., Batavia, Ohio.
Batavia Knitting Mills, see Tri-Tex Knitting Mills (successor)
Batavia Machine Co., see Climax Corp. (successors)
Batavia Rubber Co., Batavia, N. Y.
Batavia Service Corp., mechanical engnrs., 29H Broadway, New York.
Batavia Specialty Co., Inc., Batavia, N. Y.
Batchelder & Collins, 136 Main St., Norfolk, Va.
Batchelder & Snyder Co., meat packers, 55 Blackstone, Boston, Mass.
Batchelder, E. J., Co., Inc., granite, Barre, Vt.
Batchelder, R. C., masons' matls., Albany, N. Y.

Batchelder-Wasmund Co., stone producers, 2300 W. Jefferson Ave., Detroit, Mich.
Batchelder-Wilson Co., tile & terra cotta, 2633 Artesian, Los Angeles, Cal.
Batcheller, E. S., & Co., wholesale hdwe. & mill facty. supplies, Gloversville, N. Y.
Batchelor Timber Co., lbr. mfrs., Saginaw, Mich.
Bate, A. & Son, stone producers, Bay City, Mich.
Bate Boiler Efficiency Co., flue cleaners, Conshohocken, Pa.
Bate Co., J. Herbert (Lumber), 30 Church St., New York.
Bate, Wm. T., & Son, machsts. & fndrs., Conshohocken, Pa.
Bateman & Companies, Inc., 347 Madison Ave., New York (Agricultural Mach'y and Tools).
Bateman, F. L. & W. C., Salida, Colo.
Bateman, J. B., Jr., lumber, Whitney Bldg., New Orleans, La.
Bateman, J. Paul, Co., auto wood bodies, Bridgeton, N. J.
Bateman, John J., & Sons, contrs., 5138H Wayne Ave., Philadelphia, Pa.
Bateman Mfg. Co., Grenloch, N. J. (See Bateman & Companies, Inc., New York.)
Bateman, Wm., store fixtures & interior hardwood, 1915 Bryant, San Francisco, Cal.
Bates & Bacon, cigar cutters, Attleboro, Mass.
Bates & Borland, contrs., Oakland Bank Bldg., Oakland, Cal.
Bates & Edmonds Motor Car Co., Lansing, Mich.
Bates & Rogers Construction Co., 37 W. Van Buren St., Chicago.
Bates & Son, C. J., Chester, Conn.
Bates, A. B., Co., machsts., Oakland, Me.
Bates Bros., Co., bank messengers' wallets, Athol, Mass.
Bates, C. E., Co., canned goods, Blanchester, Ohio.
Bates, Chas. F., & Co., soap, Wollaston, Mass.
Bates Co., Inc., E. P., 228 W. Water St., Syracuse, N. Y.
Bates Co., L. C., New Haven, Conn.
Bates, Delos, lbr. mfrs., Madison, Ohio.
Bates, E. E. & J. H., well curbing, Arlington, Providence, R. I.
Bates, E. V., Mach. Co., Lowell, Mass.
Bates, Edw., Co., steamfitters' supplies, Syracuse, N. Y.
Bates Elevator Co., 211 President, Baltimore, Md.

BATES EXPANDED STEEL TRUSS COMPANY, Illinois Merchants Bank Bldg., Chicago.

Bates, Geo. A., & Son, machsts. & fndrs., 872 Broadway, Fall River, Mass.
Bates, H. G., canned goods, Blanchester, Ohio.
Bates, Howard M., soap, 1140 Fairmount Ave., Philadelphia, Pa.
Bates-Hundnell-Jetton Co., contrs., Tampa, Fla.
Bates, J. B., flour mills, McQuady, Ky.
Bates, J. E., & Co., rubbers, boots & shoes, 202 Church, New York.
Bates, John S., granite producers, Norwalk, Conn.
Bates, L. L., & Co., safe deposit locks, 98 Sudbury, Boston, Mass.
Bates, M. H., & Co., leather, Brockton, Mass.
Bates Machine & Tractor Co., Joliet, Ill.
Bates Machine & Tractor Co., 347 Madison Ave., New York.
Bates Mfg. Co., Lewiston, Me.
Bates Mfg. Co., 50 Church St., New York.
Bates Mfg. Co., machsts., numbering mach., Orange, N. J.
Bates, Orson C., lumber mfrs., Point Rock, N. Y.
Bates Tractor Co., engines, Lansing, Mich.
Bates Valve Bag Co., 7310 So. Chicago Ave., Chicago.
Batesburg Cotton Oil Co., fertzr. mfrs., Batesburg, S. C.
Batesville Cabinet Co., Dept. H, Batesville, Ind.
Batesville Casket Co., Batesville, Ind.
Batesville Excelsior Co., Batesville, Ark.
Batesville Furn. Co., Dept. H, Batesville, Ind.
Batesville Lumber & Veneer Co., Lawrenceburg, Ind.
Bath & Co., Cyril J., 721 St. Clair, N. E., Cleveland, O.
Bath & Co., Inc., John, 8 Grafton St., Worcester, Mass.
Bath Box Co., Bath, Me.
Bath Harness Co., horse collars, Bath, N. Y.
Bath Iron Works, Bath, Me.
Bath Portland Cement Co., Finance Bldg., Philadelphia, Pa.
Bath Portland Cement Co., 31 Clinton, Newark, N. J.
Baton Rouge Brickyard, Baton Rouge, La.
Batson-Cook Co., masons' & bldrs.' matls., Westpoint, Ga.
Batson-McGehee Co., Millard, Miss.
Battaglia Bros., scrap rubber, 381 Pearl, New York.
Battelle & Renwick, 80 Maiden Lane, New York.

BATTEN CO., GEO., 383 Madison St., New York.

Batten, Geo., & Co., advertising counsellors, 343 S. Dearborn, Chicago, Ill.
Batterman, Henry C., mach. & fndr., Dyer, Ind.
Batterman-Truitt Co., 736-8 W. Monroe St., Chicago. (Now Autovent Fan & Blower Co.)
Batterson & Eisele, granite, marble, 101 Park Ave., New York.
Batterson & Eisele, Edgewater, N. J.
Batterson, J. G., granite, 489 5th Ave., New York.
Battery Specialty Co., battery accessories, 578 Bryant, San Francisco, Cal.
Battey Machinery Co., Rome, Ga.
Battle Hardware Co., Dawson, Ga.
Battis Bros., Oshkosh, Wis.
Battin & Co., silver nov., 3d Ave., Newark, N. J.
Battjes Fuel & Building Material Co., Grand Rapids, Mich.
Battle Creek Box Company, Battle Creek, Mich.
Battle Creek Coal & Coke Co., Orme, Tenn.
Battle Creek Furnace & Roofing Co., cornices, Battle Creek, Mich.
Battle Creek Paper Co. (Ltd.), folding paper boxes, Battle Creek, Mich.
Battle Creek Roofing & Mfg. Co., varnish, Battle Creek, Mich.
Battle Laboratory, Inc., analytical chemists, Montgomery, Ala.
Battle Lbr. Co., Sorrento, Fla.
Bauch, Walter, gas ranges, 8651 Vincennes, Chicago, Ill.
Bauder, E., machsts. & fndrs., Sterling, Ill.
Bauer & Beamer, stone prod., Muskegon, Mich.
Bauer & Black, 2500 S. Dearborn St., Chicago.
Bauer & Son, A. E., 1342 W. 69th St., Chicago.
Bauer Bros., contrs., Belleville, Ill.
Bauer Bros. Co., Springfield, O.
Bauer, Chas., masons' & bldrs.' matls., Springfield, O.

BAUER COOPERAGE CO., 500 Hampshire, San Francisco, Calif.

Bauer, E., cornices, Hamilton, Ohio.
Bauer, J. A., Pottery Co., 415 W. Ave. 33rd, Los Angeles, Cal.
Bauer, John, & Sons Co., Inc., contrs., 130 Goodell, Buffalo, N. Y.
Bauer, Jno. G., stone producers, 1 Quebec Rd., nr. Price Hill, Cincinnati, Ohio.
Bauer, Jos., heating contrs., Fergus Falls, Minn.
Bauer, Julius, & Co., pianos, 305 S. Wabash Ave., Chicago, Ill.
Bauer Machine Co., Jeffersonville, Ind.
Bauer Machine Wks. Co., 2326 Harrison, Kansas City, Mo.
Bauer Mfg. Co., auto locks, 117 E. 30th, Chicago, Ill.
Bauer, Max, cameras, Jersey City, N. J.
Bauer, Max, 450 Fourth Ave., New York.
Bauer, Philip, Co., manganese, varnish, gums, etc., 53 Park Pl., New York.
Bauer Trunk & Bag Co., Oshkosh, Wis.
Bauer Window Glass Co., Eaton, Ind.
Bauer's, Chas., Sons, cornices, 159 William, Buffalo, N. Y.
Bauer's, Jacob, Sons, meat packers, 2932 Massachusetts, Camp Washington, Cincinnati, Ohio.
Baugh & Sons Co., 20 S. Delaware Ave., Philadelphia, Pa.
Baugh & Sons Co., fertilizer, 25H S. Calvert, Baltimore, Md.
Baugh, Batten & Baugh, canned goods, Clarksville, O.
Baugh, C. L., canned goods, New Vienna, Ohio.
Baugh Electric Co., elec. cable hangers, Hopkinsville, Ky.
Baughman & Son, brick, Broughton, Ohio.
Baughman Bros. machy. dlrs., Taylorville, Ill.
Baughman, J. H., & Co., Inc., flour mills, Stanford, Ky.
Baughman, N. C., clothes washing machs., York, Pa.
Baughman Stationery Co., The, 900 W. Marshall av., Richmond, Va.
Baulard, V. L., & Co., glass, Galveston, Tex.
Baum & Schoel, bakers' machy., Waterloo, Ia.
Baum & Van Roy Crate Co., Crystal River, Fla.
Baum Bros. Co., cups, disinfectants, floor oils, polishes, soap, etc., 1446 Glenarm Pl., Denver, Colo.
Baum, C. F., Co., silk fringes, 232 S. Franklin, Chicago, Ill.
Baum, H. W., Co., contractors, Walker Bank Bldg., Salt Lake City, Utah.
Baum, M. J., stone prod., Springfield, Ill.
Baum Safe & Lock Co., J., 617 E. Front, Cincinnati, O.
Baum's Castorine Co., Rome, N. Y.
Bauman Furniture Mfg. Co., 2511 Compton Ave., Los Angeles, Cal.
Bauman Hardware Co., Wausau, Wis.
Bauman, Jos., & Son, cornices, 61 W. 4th, New York.
Baumann, Ferdinand, Sons Co., sash, door & blind mfrs. 131 W. Main, Columbus, Ohio.
Baumann, Jacob, stone, 1326 Altgeld, Chicago, Ill.
Baumann, L., landscape architect, 4247, Magnolia, St. Louis, Mo.
Baumann Rubber Co., 494 Congress Ave., New Haven, Conn.
Baumbach Mfg. Co., E. A., (Die Shoes) 1812-18 S. Kilbourn Ave., Chicago.
Baumeister, F., & Son, berry boxes, Rockwood, Mich.
Baumeister Piano Co., 549 W. 52nd, New York.
Baumeister, Wm., Co., contractors, Pioneer Bldg., St. Paul, Minn.
Baumgardener Concrete Products Co., Tiffin, Ohio.
Baumgart, Fred, brick, Humphrey, Nebr.
Baumgarten & Co., 1103 N. Washington St., Baltimore, Md.
Baumgarten & Wyler, machts. & brass fndrs., El Paso, Tex.
Baumgarten, Ernst Ch., machy. dlrs. & bronze monuments, Schulenburg, Tex.
Baumgarten, Wm., & Co., interior hardwood wk. mfrs., 715 5th Ave., New York.
Baumgarth Company, John, 1219 W. Washington Blvd., Chicago.
Baumgartner Bros., Chatfield, O.
Baumgartner, Eugene, musical instrument strings, etc., P. O., Downers Grove., Westmont, Ill.
Baumneckel, G., & O., meat packers, Dayton, Ohio.
Baur Fdy. Co., Belleville, Ill.
Baur Window Glass Co., Eaton, Ind.
Bauroth Bros., Springfield, O.
Bauroth, E. F., power presses, Toledo, Ohio.
Bausback, Robt., & Sons, fertilizer mfrs., Shelbyville, Ind.
Bausch & Lomb Optical Co., Rochester, N. Y.
Bausch Machine Tool Co., 156 Wason Ave., Springfield, Mass.
Bausmith, Wm. P., 4405 Ashland, Cincinnati, Ohio.
Baute, Henry, machsts. & fndrs., Benton Harbor, Mich.
Bavin & Burch Co., contrs., 173 E. Jefferson, Los Angeles, Cal.
Bawden, J. H., & Co., machsts. & fndrs., Freehold, N. J.
Baxter & Co., Geo. S., Fargo, Ga.
Baxter, A. E., Engng. & Appraisal Co., Ell. Sq., Buffalo, N. Y.
Baxter Bros. Co., canned goods, Brunswick, Me.
Baxter Bros., contractors, Huntsville, Ala.
Baxter, H. C., & Bro., canned goods, Brunswick, Me.
Baxter, Henry V., fertilizer mfrs., Chester, Pa.
Baxter, Jas., Fdy. & Mach. Wks., Boise, Idaho.
Baxter, Kelley & Faust, plushes, 28 E. 19th, New York.
Baxter Lumber Co., Wildsville & Tylersburg, La.
Baxter Sash & Door Co., Duluth, Minn.
Bay & River Dredging Co., contrs., 465 California, San Francisco, Cal.
Bay Chemical Wks., sal soda, 24 California, San Francisco, Cal.
Bay Cities Bag Mfg. Co., suit cases, 1250 E. 12th, Oakland, Cal.
Bay City Boiler Co., Bay City, Mich.
Bay City Dredge Wks., Bay City, Mich.
Bay City Forge Co., 1802-1822 Cranberry St., Erie, Pa.
Bay City Foundry & Mach. Co., Bay City, Mich.
Bay City Furnace Co., 72 Tehama, San Francisco, Cal.
Bay City Hardware Co., Bay City, Mich.
Bay City Iron Co., machsts. & fndrs., Bay City, Mich.

BAY CITY IRON WORKS, 1215 Harrison st., San Francisco, Calif.

Bay City Iron Works, machst., 3d & Washington, Oakland, Cal.
Bay City Lumber Co., Aberdeen, Wash.
Bay City Packing Co., Apalachicola, Fla.
Bay City Plow Wks., beet lifters, Bay City, Mich.
Bay City Ready-Cut Stone Co., Bay City, Mich.
Bay City Rice Milling Co., Bay City, Tex.
Bay City Stone Co., Bay City, Mich.
Bay City Wood Plaster Co., Bay City, Mich.
Bay Creek Lumber Co., Purvis, Miss.
Bay De Noquet Co., lumber mfrs., 80 E. Jackson Blvd., Chicago, Ill.
Bay De Noquet Co., Nahma, Mich.
Bay Elec. Co., elec. contr., Oakland, Calif.
Bay Engng. Co., cornices, brakes & gas furnaces, 329 Jefferson, Oakland, Cal.
Bay, Gottfried, machsts., 537 W. 50th, New York.
Bay, John C., & Son, brick, Cumberland, Ohio.
Bay, John W., & Co., canned goods, Stockley, Del.
Bay Park Lbr. Co., North Bend, Ore.
Bay Point Foundry Co., Bay Point, Cal.
Bay Point Mill Co., Pinewood, Fla.
Bay Ridge Specialty Co., Inc., 682-686 Stokes Ave., Trenton, N. J.
Bay Side Canning Co., Alviso, Cal.
Bayside Iron Wks., mill & facty. supplies, Everett, Wash.
Bay State Belting Co., 349 Congress, Boston, Mass.
Bay State Brass Co., faucets, cocks, bibbs, & valves, Haydenville, Mass.
Bay State Broom Co., Cambridge, Mass.
Bay State Brush & Mop Co., Woburn, Mass.
Bay State Comb Co., Leominster, Mass.
Bay State Cotton Corp., tire fabrics, 24 Federal, Boston, Mass.
Bay State Crucible Co., Taunton, Mass.
Bay State Dredging & Contrg. Co., 62 Condor, Boston, Mass.
Bay State Elev. Co., N. Main, Springfield, Mass.
Bay State Emery Wheel Co., 3 Winter st., Worcester, Mass.
Bay State Fdy. Co., Westfield, Mass.
Bay State Hardware Co., 1325 Washington, Boston, Mass.
Bay State Insulated Wire & Cable Co., Hyde Park, Mass.
Bay State Iron Works, Corp., Erie, Pa.
Bay State Machinery Co., 49 Federal, Boston, Mass.
Bay State Metal Wheel Co., East Templeton, Mass.
Bay State Milling Co., feed, Winona, Minn.
Bay State Mop Co., Woburn, Mass.
Bay State Motor Wks., engines, Holyoke, Mass.
Bay State Optical Co., Attleboro, Mass.
Bay State Pump Co., 564 E. First, So. Boston, Mass.

BAY STATE STAMPING CO., 380 Chandler st., Worcester, Mass.

Bay State Tap & Die Co., Mansfield, Mass.
Bay State Thread Wks., 15 Mile, Springfield, Mass.
Bay Verte Machy. Supply Co., Dept. H, Green Bay, Wis.
Bay View Foundry Co., Sandusky, O.
Bayview Furn. Co., Dept. H, Holland, Mich.
Bay View Steel Casting Co., 132 S. Bay, Milwaukee, Wis.
Bayard, Jno. B., architect, Vincennes, Ind.
Bayard, M. L., & Co., machsts., Woodbine, N. J.
Bayde Noguet Co., lbr., Nakmo, Mich.
Bayer, A. J., Co., Slauson & Santa Fe Aves., Los Angeles, Cal.
Bayer Bros. Co., 53 5th Ave., New York.
Bayer Co., Inc., The, 117 Hudson, New York.
Bayer, Frank, Co., typewriter ribbons, 120 Walker, New York.
Bayer, Gardner-Himes Co., machsts., hdwe. mfrs., 101 Park Ave., New York.
Bayer, Hy. C., carriages, Leavenworth, Kan.
Bayer, J. C., Front & Market sts., Portland, Ore.
Bayer-Rothgeb Co., Slauson & Santa Fe Aves., Los Angeles, Cal.
Bayerson Oil Works, Erie, Pa.
Bayles & Son, J. M., Port Jefferson, N. Y.
Bayles, D. T., & Son, masons' & bldrs.' matls., Stony Brook, N. Y.
Bayles Shipyards, Inc., Port Jefferson, N. Y.
Bayles Vehicle Top & Trimming Co., Kansas City, Mo.
Bayless Mfg. Co., 440 N. Main St., Memphis, Tenn.
Bayless Mfg. Corp., pulp paper, Austin, Pa.
Bayless Pulp & Paper Co., Binghamton, N. Y.
Bayley & Sons (Fixtures), 105 Vandeveer St., Brooklyn, N. Y.
Bayley Co., William, The, Springfield, O.
Bayley Heating Supply Co., 2031 St. Paul Ave., Milwaukee, Wis.

BAYLEY MANUFACTURING CO., 786 Greenbush st., Milwaukee, Wis.
Pres.—E. Worthing.
V. P. & Chief Engr.—E. M. Bassler.
Treas.—W. C. Kussmaul.
Chicago—1156 First Nat'l Bank Bldg.
Cleveland, O.—826 Engineers Bldg.
Des Moines, Ia.—403 Observatory Bldg., F. E. Worthing.
Detroit, Mich.—3000 Grand River Ave., Purcell-Stone Co.
New York—15 Park Row, Alden Engineering Co.

Bayley Structural Iron Co. (Now The Interstate Steel Mfg. Co.), Milwaukee, Wis.
Bayley, Wm., Co., agricultural implements, Springfield, Ohio.
Baylis Co., Locust & Watsng Aves, Bloomfield, N. J.

BAYLIS SANITARY SUPPLY CO., 340 W. Superior St., Chicago.
Pres.—Henry E. Baylis.
Sec. & Treas.—Sidney E. Scholes.

Bayne, C. M., & Co., masons' & bldrs.' matls., Norfolk, Va.
Bayne Co., Jasper, 29 Sullivan St., New York.
Bayne Mfg. Co., demountable rim bolts, Bushnell, Ill.
Baynes, Wm. J., Co., Inc., contrs., 1433 Niagara, Buffalo, N. Y.
Bayonet Trolley Harp Company, 404 Mitchell Bldg., Springfield, O.
Bayonne Bolt & Nut Co., see American Bolt Corp. (successors)
Bayonne Bolt & Nut Co., 2nd St., Bayonne, N. J.
Bayonne Cornice & Skylight Co., Bayonne, N. J.
Bayonne Steel Casting Co., Oak St. Bayonne, N. J.
Bayonne Supply Co., Ave E., Bayonne, N. J.
Bayou City Iron Wks., Houston, Tex.
Bayou Liberty Lumber Co., Bonfouca, La.
Bayshore Fdy. Co., Pensacola, Fla.
Bayside Hdwe. Co., ship chandlery, Everett, Wash.
Bayside Iron Works, Inc., Everett, Wash.
Bayside Lumber Co., Eureka, Cal.
Bayside Lumber Co., 1 Drummond St., San Francisco, Calif.
Bayside Sash & Door Co., 806 3d Ave., Brooklyn, N. Y.
Bayside Shingle Co., lbr., Everett, Wash.
Beach & Fuller Co., Evansville, Ind.
Beach & Sons, Jas., Dubuque, Ia.
Beach & Sons, S. G., Placerville, Cal.
Beach, A. Y., masons' & bldrs.' matls., Seymour, Conn.
Beach, C. M., Co., masons' & bldrs.' matls., New Milford, Conn.
Beach City Silica Sand Co., Beach City, Ohio.
Beach Co., H. D., Coshocton, O.
Beach Converter Corp., 51 Thomas St., Orange, N. J.
Beach Enameling Co., Coshocton, Ohio.
Beach, Fred F., patterns & models, 105 Brooklawn, Bridgeport, Conn.
Beach, H. B., & Son, tubular boilers, 135 Grove, Hartford, Conn.
Beach Leather Co., advtg. novelties, Coshocton, Ohio.
Beach Lumber Co., Rome, N. Y.
Beach Mfg. Co., Montrose, Pa.
Beach Mfg. Co., contractors, Charlotte, Mich.
Beach Milling Co., flour, Holland, Mich.
Beach, Oliver B., machsts. & fndrs., Stony Creek, Conn.
Beach, Rogers & Co., lumber mfrs., De Funiak Springs, Fla.

BEACH-RUSS CO., 38 Church (Hudson Terminal Bldg), New York.

Beach, S. Y., Paper Co., Seymour, Conn.
Beach Soap Co., Lawrence, Mass.
Beach, Wm., Hardware Co., Columbus, Ga.
Beacon Bronze Co., hydraulic jacks, Beacon, N. Y.
Beacon Falls Rubber Shoe Co., Beacon Falls, Conn.
Beacon Light Co., Los Angeles, Cal.
Beacon Mfg. Co., cotton blankets, Purchase, New Bedford, Mass.
Beacon Mfg. & Supply Co., mill & facty. supplies, New Orleans, La.
Beacon Mfg. Co., Hospital Trust Bldg., Providence, R. I.
Beacon Rectifier Co., Inc., Hyde Park, Mass.
Bead Chain Mfg. Co., Mt. Grove, Bridgeport, Conn.
Beadenkopf, Wm., Co., leather, 14th & Walnut, Wilmington, Del.
Beagle Hame Works, Freeland, Pa.
Beal, J. Williams Sons, architect, 62 Summer, Boston, Mass.
Beal, Jos., & Co., machy. dlrs., 465 Atlantic Ave., Boston, Mass.
Beale Bros., cornices & skylights, Rushville, Ind.
Beale, M. E., canned goods, Skowhegan, Me.
Beall Bros., machsts., Alton, Ill.
Beall Improvements Co., Decatur, Ill.
Beall Tool Co., blacksmiths' drills, portable forges, East Alton, Ill.
Beals & Selkirk Trunk Co., Wyandotte, Mich.
Beals Furniture Co., Thos. P., Portland, Me.
Beals, McCarthy & Rogers, Inc., 50 Terrace, Buffalo, N. Y.
Beals, S. M., Estate, mill & facty. supplies, Lawrence, Mass.
Beam, Jas. H., machinist, Martins Ferry, Ohio.
Beam Lbr. Co., Godfrey, Ga.
Beaman & Smith Co., Gordon & Reynolds Ave., Providence, R. I.
Beaman Trunk Co., 813 S. Central, Knoxville, Tenn.
Beamer & Wilhelm, canned goods, Eagle Rock, Va.
Beamont, R. H., Co., conveyors & hoists, Drexel Bldg., Philadelphia, Pa.
Bean, Clarence, contrs., 5th, Los Angeles, Cal.
Bean, L. C., Co., masons' & bldrs.' matls., Lisbon, O.
Bean, Lewis U., Co., paint & varnish mfrs., 922 Cherry, Philadelphia, Pa.
Bean, R. L., ship bldrs., Camden, Me.
Bean Spray Pump Co., San Jose, Calif.
Bean Tool & Sales Co., Berea, Ohio.
Beans Springs Co., auto & truck springs, Massillon, O.
Bear & Ruth Co., meat packers, Sandusky, Ohio.
Bear Brand Hosiery Co., 337 W. Madison St., Chicago.
Bear Creek Mill Co., lbr., Leaksville, Miss.
Bear Engng. & Constr. Co., orn'l iron & structural steel, 1712-14H Ludlow, Philadelphia, Pa.
Bear, G. H., Furn. Co., 15th & Green, Allentown, Pa.
Bear Lake Plbg. & Htg. Co., Montpelier, Idaho.
Bear Mfg. Co., engine starters, Rock Island, Ill.
Bear State Battery & Equipt. Co., 1244 San Fernando Rd., Los Angeles, Cal.
Beard, B. C., machinist, Millen, Ga.
Beard, B. N., Co., contrs., Shelton, Conn.
Beard, Campbell & Co., Port Huron, Mich.
Beard, C. S., see Beard Foundry & Machine Wks. (successors)
Beard Constr. Co., Colonial Trust Bldg., Reading, Pa.
Beard Foundry & Machine Wks., Arkansas City, Kan.
Beard, H. B., Co., horse collars, York, Pa.
Beard, J. H., masons' & bldrs.' matls., Geneva, N. Y.
Beard, L. P., Const. Co., 518 Guaranty Bldg., Indianapolis, Ind.
Beard Machine Co., Inc., 350 Walton, New York.
Beard Tool Co., L. O., Lancaster, Pa.
Beard, Wm., & Co., contractors, 59 Pearl, New York.
Beardslee Chandelier Mfg. Co., 216 So. Jefferson St., Chicago.
Beardslee Lumber Co., Port Jervis, N. Y.
Beardsley, J. E., mason bldr., Stratford, Conn.
Beardsley-Piper Co., The, 2541 N. Keeler Ave., Chicago.
Beardsley's, J. W., Sons, canned goods, 690 Frelinghuysen Ave., Newark, N. J.
Bearings Co., 2204 S. Michigan Ave., Chicago. (Now L. C. Smith Bearings Co.)
Bearings Company of America, Lancaster, Pa.
Bearings Service Co., Boyer Bldg., Detroit, Mich.
Bears, B., trunk mfrs., 1043 3d Ave., New York.
Beasley & Miller, cornices & skylights, Pittsburg, Kan.
Beasley & Sons Co., 147 3rd av., N., Nashville, Tenn.
Beasman, F. B., & Co., contractors, Fidelity Bldg., Baltimore, Md.
Beaton & Cadwell Mfg. Co., 185 Main st., New Britain, Conn.
Beaton & Corbin Mfg. Co., Southington, Conn.
Beaton, D. T., cornices & skylights, Manchester, Mass.
Beatrice Brick Works, Beatrice, Neb.
Beatrice Iron Wks., Beatrice, Nebr.
Beatrice Lumber Co., Lemonville, Tex.
Beatrice Milling Co., flour, Whitewright, Tex.
Beatrice Steel Tank Mfg. Co., Beatrice, Nebr.
Beats All Mfg. Co., carpet beaters, Fairmont, Minn.
Beattie & Cornell, contractors, 30 N. Quarry, Fall River, Mass.
Beattie, John (Est. of), stone prod., Guilford, Conn.
Beattie Mfg. Co., machsts., Cohoes, N. Y.
Beattie, Wm. H., 784 High st., Fall River, Mass.
Beattie Zinc Works Co., Reading, Mass.
Beatty & Jordan, machsts., Bolivar, N. Y.

BEATTY & WISE, INC., Fox Bldg., 1612 Market st., Philadelphia, Pa.

Beatty Bros., contrs., 2001 Metropolitan, Pittsburgh, Pa.
Beatty Construction Co., 66 Warren, Boston, Mass.
Beatty, E. T., mach. & fndry., 1101 Ave. B, Birmingham, Ala.
Beatty, Fred W., blue & black prints & papers, 39 Ann, New York.
Beatty Machine & Mfg. Co., Hammond, Ind.
Beauchamp, I. D., flour mills, Taylorsville, Ky.
Beauchemin et Fils, Ltd., Sorel, P. Q., Canada.
Beaudett, O. J., Co., carriages, Pontiac, Mich.
Beaudry & Co., Inc., 1840 Parkway, Boston, Mass.
Beaudry, T. J., & Son, fndrs., Marlboro, Mass.
Beaudry Wall Paper Corp., Cortland, N. Y.
Beaufort County Iron Wks., Inc., Washington, N. C.
Beaufort Veneer & Package Co., cases, crates, Beaufort, S. C.
Beaumel & Co., D. W., 17 Vandewater, New York.
Beaumier, Joe H., machst. & fndr., Brenham, Tex.
Beaumont & Aughtie, glass stainers, 727 Atlantic Ave., Boston, Mass.
Beaumont Co., elec. glassware, Morgantown, W. Va.

BEAUMONT COMPANY, R. H., 319 Arch St., Philadelphia, Pa.
Pres.—R. H. Beaumont.
Sec. & Gen. Mgr.—E. A. Thumlert.
Boston, Mass.—110 High St., P. I. Perkins, Mgr.
Chicago.—1603 Monadnock Block, P. K. Reed, Mgr.
Cleveland, O.—2100 Keith Bldg., H. V. Schiefer, Mgr.
Detroit, Mich.—1201 Kresge Bldg., H. S. Ford, Mgr.
Minneapolis, Minn.—501 S. 6th St., Morgan-Perrish Co., Rep.
New York.—30 Church St., C. W. Ross, Mgr.
Pittsburgh, Pa.—1301 Peoples Bk. Bldg., H. W. Ruth, Mgr.
Foreign:
Montreal, Que.—Combustion Engineering Corp., Rep.
Toronto, Can.—Combustion Engineering Corp., Rep.
Vancouver, B. C.—Combustion Engineering Corp., Rep.
Winnipeg, Man., Can.—Combustion Engineering Corp., Rep.

Beaumont, G. B., Co., contractors, 286 5th Ave., New York.
Beaumont Iron Works Co., Beaumont, Tex.
Beaumont Lumber Co., Beaumont, Tex.
Beaumont Mfg. Co., cord & twine, sheetings, Spartanburg, S. C.
Beaumont Mfg. Co., 340 Arch St., Philadelphia, Pa.
Beaumont Rice Mills, Beaumont, Tex.
Beaumont Ship Bldg. & Dry Dock Co., Beaumont, Tex.
Beaumont Valve & Hydrant Wks., Kankakee, Ill.
Beaumont, Wilbert, contractor, Atlantic City, N. J.
Beaupre Bros., machs. & fndrs., Franklin, N. H.
Beauvais Water Heater Co., 570 Main, Springfield, Mass.
Beaven-Jackson Lumber & Veneer Co., Evergreen, Ala.
Beaver Board Co., Beaver Rd., Buffalo, N. Y.
Beaver Brook Paper Mills, Danbury, Conn.
Beaver Canning Co., Randolph, Wis.
Beaver Clay Mfg. Co., brick, New Galilee, Pa.
Beaver Co., see Beaver Board Co. (successor).
Beaver Dam Lumber Co., Cumberland, Wis.
Beaver Dam Mfg. Co., agricultural implements, Beaver Dam, Wis.
Beaver Dam Marble Co., Gunther Bldg., Baltimore, Md.
Beaver Dam Milling Co., flour, Beaver Dam, Ky.
Beaver Dam Roller Mill, Crouse, N. C.
Beaver Enameling Co., signs, Factory Ave., Elwood City, Pa.
Beaver Engng. & Contracting Co., 51 Chambers, New York.
Beaver Falls Art Tile Co., Beaver Falls, Pa.
Beaver Falls Planing Mill Co., sash, door & blind mfrs., Beaver Falls, Pa.
Beaver Glove Mfg. Co., 31 N. 5th, Portland, Ore.
Beaver Leather Mfg. Co., 508 Frelinghuysen Ave., Newark, N. J.
Beaver Lumber Co., Prescott, Ore.
Beaver Lumber Co., 1120 Spalding Bldg., Portland, Ore.
Beaver Machine & Tool Co., Inc., 625-643 N. Third St., Newark, N. J.
Beaver Mfg. Co., 35 25th St., Milwaukee, Wis.
Beaver Mills, Keene, N. H.
Beaver Mills, Inc., tire fabric yarn, 299 Broadway, New York.
Beaver Portland Cement Co., Porter Bldg., Portland, Ore.
Beaver Products Company, Inc., Buffalo, N. Y.
Beaver Refining Co., 555 Union Arcade, Pittsburgh, Pa.
Beaver Run Coal Co., bituminous, Mauch Chunk, Pa.
Beaver Silo & Box Mfg. Co., packing box, Beaver Dam, Wis.
Beaver Soap Co., Concord & Scovell St., Dayton, O.
Beaver State Motor Co., Gresham, Ore.
Beaver Tile & Brick Co., Beaver, Ohio.
Beaver Valley Boiler Wks., Beaver Falls, Pa.
Beaver Valley Glass Co., Rochester, Pa.
Beaver Valley Lime Co., Ellwood City, Pa.
Beaver Valley Mill Supply Co., Beaver Falls, Pa.
Beaver Valley Pot Co., glass house clay supplies, Rochester Pa.
Beaver Valley Sandstone Co., New Castle & Wampum, Pa.
Beaver Varnish Works, Hood & Gaines, Portland, Ore.
Beavis, Alfred J., 5775 Stanton, Detroit, Mich.
Beazley, J. C., Co., contrs., 205 E. Canal, Richmond, Va.
Bebee, Wm. G., marble, Manchester Center, Vt.
Beccaria Operation, Glasgow, Pa.
Bechard Mfg. Co., silver novelties, 706 Townsend, Chicago, Ill.
Bechtle, Otto, elec. & gas light fixtures, Alameda, Cal.
Bechtol & Co., T. A., 328 Railway Exchange, Kansas City, Mo.
Bechtolt, Geo. E., agricultural implements, Urbana, O.
Beck & Babb, 29 S. La Salle St., Chicago.
Beck & Beck, granite, Barre, Vt.
Beck & Benedict, whol. hdwe., Waynesboro, Pa.
Beck & Corbitt Iron Co., 1230 Main st., St. Louis, Mo.
Beck & Gregg Hardware Co., Atlanta, Ga.
Beck, August C., Co., lock corner boxes, 1-30 East, Milwaukee, Wis.
Beck Bros., 3640 N. 2nd St., Philadelphia, Pa.
Beck, C. F., & Son Co., sash, door & blind, Monroe, Mich.
Beck, Chas., Machine Co., paper box machy., 607 Chestnut, Philadelphia, Pa.
Beck Duplicator Co., 476 Broadway, New York.
Beck, Edw. T., & Co., contractors, Warren, Pa.
Beck Electrical Repair Co., freight elev., 149 W. State, Columbus, Ohio.
Beck Engng. Constr. Co., 1137 Plymouth Bldg., Minneapolis, Minn.
Beck, Fr., & Co., wall coverings, 13 W. 48th, New York.
Beck-Hawkeye Motor Truck Wks., Cedar Rapids, Ia.
Beck, J. Philip, & Son, carriages, Saginaw, Mich.
Beck Machine Co., Chas., 609 Chestnut St., Philadelphia, Pa.
Beck, Oscar, & Co., thermometers, 280 Maujer, Brooklyn, N. Y.
Beck, Wm. & Chas., 546 Greenwich Ave., New York.
Beck, Wm. & Chas., fire hose, Lawrence, Mass.
Beck, Wm., cornices & skylights, Englewood, N. J.
Becker & Co., P., 212 W. Monroe St., Chicago.
Becker, August, Engraving Co., name plates, 78 Portland, Boston, Mass.
Becker Bro. & Son, packing box mfrs., Lexington & Fkd., Baltimore, Md.
Becker Bros., pianos, 767 10th Ave., New York.
Becker Bros., 25 N. Jefferson St., Chicago.
Becker, C., Milling Co., flour, Red Bud, Ill.
Becker, C. D., cornices, Lestershire, N. Y.
Becker, Chas. W., cotton waste, Amsterdam, N. Y.
Becker Chemical Co., car cleaning compounds, 19 Main, Cincinnati, Ohio.
Becker, Christian, see Torsion Balance Co. (successors)
Becker, Christian, carriages, Tamaqua, Pa.
Becker Constr. Co., 361 Grove, Newark, N. J.
Becker, David, & Sons, 1151 N. 3rd, Philadelphia, Pa.
Becker, Emil, flour, Anderson, Texas.
Becker Engraving Co., August, 247 Atlantic Ave., Boston, Mass.
Becker, F., cornices & skylights, Berwyn, Ill.
Becker, G. F., Iron Works, 1235 Wash. Ave., Scranton, Pa.
Becker, Geo., arch'l iron, 545 W. 22d, New York.
Becker, Henry & Sons, contractors, South Orange, N. J.
Becker, Inc., Christian, 92 Beade St., New York.
Becker, J. C., masons' & bldrs.' matls., Adrian, Minn.
Becker, Jno. L., cornices, Hamilton, Ohio.
Becker, L. C., & Son, contractors, 415 13th, Newark, N. J.
Becker Mfg. Co., fndrs., Two Rivers, Wis.
Becker Mfg. Co., Marietta, O.
Becker Mill Co., now Becker Mfg. Co., Marietta, O.
Becker Milling Machine Co., (now Reed-Prentice Co.)
Becker-Moore Paint Co., 1608 S. 2nd, St. Louis, Mo.
Becker, P. A., Co., show cases, 132 Cumberland, Brooklyn, N. Y.
Becker-Seidel Co., htg. contrs., 2341 E. 22nd, Cleveland, Ohio.
Becker, Smith & Page (Inc.), South Water and Snyder Sts., Philadelphia, Pa.
Becker Steel Co. of America, Inc., 154 Nassau St., New York.
Becker Varnish Co., R. A., Harrison & Garrard, Cincinnati, O.
Becker, Wm. A., Co., masons' & bldrs.' matls., Monroe, Wis.
Beckert Seed Store, fertilizer mfrs., 103 Federal, Pittsburgh, Pa.
Beckert, Wm., & Son, dumping wagons, 1003 E. Ohio, North Side, Pittsburgh, Pa.
Becket Paper Co., Hamilton, O.
Beckett, Harold C., 389 Elmhurst, Detroit, Mich.
Beckley & Myers Ice & Fuel Co., masons' & bldrs.' matls., Springfield, Ohio.
Beckley-Cardy Co., 17 E. 23d St., Chicago.
Beckley Coal & Coke Co., Macdonald, W. Va.
Beckley Perforating Co., Garwood, N. J.
Beckley-Ralston Co., The, Michigan Blvd. and 18th St., Chicago.
Beckman & Sauer, lbr., Ferdinand, Ind.
Beckman Bros., mill, facty. & plbrs.' supplies, Des Moines, Ia.
Beckman Co., The, (Northern Ohio Blanket Mills), Fulton Rd. & Paris Ave., Cleveland, O.
Beckman Co., L., Toledo, O.
Beckman-Dawson Roofing Co., 111 W. Jackson Blvd., Chicago.
Beckman, L., Co., engng. & surveying instruments, 1003 Jackson, Toledo, Ohio.
Beckman, N. O., Co., blankets—horse & cattle, Fulton Rd., N. W., Cleveland, Ohio.
Beckman, Otto F., Co., glass stainers, 27 Audubon, New Haven, Conn.
Beckman Supply Co., masons' & bldrs.' matls., Hammond, Ind.
Beckman, Thomas J., Co., advrtg. novelties, 310-316 N. 11th, Philadelphia, Pa.
Beckman, Wm., cornices, 15th & Republic, Cincinnati, O.
Beckstrom, Ross P., & Co., contrs., Rockford, Ill.
Beckwith & Neely, 1339 Santa Fe, Los Angeles, Cal.
Beckwith Bros., contractors, Schenectady, N. Y.
Beckwith Bros. Co., wood turners, Westfield, Mass.
Beckwith-Chandler Co., 193-211 Emmett St., Newark, N. J.
Beckwith Co., The, Dowagiac, Mich.
Beckwith Elevator Co., 123 Pearl, Boston, Mass.
Beckwith, Joel, masons' & bldrs.' matls., Parkersburg, W. Va.
Beckwith Machinery Co., Arch St. & Park Way, Pittsburgh, Pa.
Becton, Dickinson & Co., Rutherford, N. J.
Bed Camp Mfg. Co., merchandise carriers, 1504 Grand Ave., Kansas City, Mo.
Bedard & Morency Mill Co., sash, door & blind, Oak Park, Ill.
Bedaux Co., Chas. E., 4500 Euclid Ave., Cleveland, O.
Bedell, Andrew S., machsts. & fndrs., Elkland, Pa.
Bedell, Geo. V., 17 Aetna Tr. Bldg., Indianapolis, Ind.
Bedell Mfg. Co., mattresses, 616 E. N. W., Washington, D. C.
Bedell Struct. Steel Wks., New Orleans, La.
Bedford Aluminum Specialty Co., 2-6 Reade, New York.
Bedford Cut Stone Co., Bedford, Ind.
Bedford Foundry & Machine Co., Inc., Bedford, Ind.
Bedford Htg. Co., 1233 Atlantic Ave., Brooklyn, N. Y.
Bedford, Nugent Co., 302 N. Water st., Evansville, Ind.
Bedford Pulp & Paper Co., Richmond, Va.
Bedford Safety Razor Co., Bedford, Mass.
Bedford Steam Stone Works, stone producers, Bedford, Ind.
Bedford Stone & Constr. Co., 1850 W. Astor, Indianapolis, Ind.
Bedford Tractor Co., Bedford, Ind.
Bedna Young Lumber Co., Jackson, Tenn.
Bedortha Bros., levels, Windsor, Conn.
Bee's, John D., Sons, cornices, Lynn, Mass.
Beebe Co., mill & facty. supplies, Portland, Ore.
Beebe Cordage Co., Rockaway, N. J.
Beebe Glove Co., Richmond, Ind.
Beebe, Hy. A., stone producers, 5300 Wabash Ave., Detroit, Mich.
Beebe Laboratories, Inc., pharmaceuticals, St. Paul, Minn.
Beebe Stave Co., cooperage stock, Little Rock, Ark.
Beebe, W. S., Co., hdwe., machsts. & sheet metal stamping, 338 York, New Haven, Conn.
Beech Creek Truck & Auto Co., Beech Creek, Pa.
Beech, Is., Lbr. Co., Augusta, Ga.
Beecher & Barr, lumber, Pottsville, Pa.
Beecher Falls Co., music cabinets, Beecher Falls, Vt.
Beecher Falls Co., furniture, Dept. H, Concord, N. H.
Beecher, Walter A., machsts., Mason City, Iowa.
Beechhurst Mfg. Co., 51 Bergen, New York.
Beechnut Co. of Cal., canned gds., San Jose, Cal.
Beechnut Foil Co., tin foil, 148H 39th, Brooklyn, N. Y.
Beechnut Packing Co., Canajoharie, N. Y.
Bee Dee Stock Medicine Co., St. E. Ave. & 38th St., Chattanooga, Tenn.
Beedenville Lbr. Co., Bruce, Wis.
Beedle, C. F., cornices, Greenville, Ohio.
Beegan, John B., cornices, 952 State, New Haven, Conn.
Bee Gee Bee Mfg. Co., 1242 San Fernando Rd., Los Angeles, Cal.
Beegee Co., ink erasers, 1133 Broadway, New York.
Bee Hive Paper Box Co., see Paper Package Co. (successor)

BEEHLER STEEL PRODUCTS CO., 1447 N. 13th St., St. Louis, Mo.

Beeker Mfg. Co., plumbers' wood work, Marietta, Ohio.
Beeler & Campbell Sup. Co., oil & gas well supplies, Independence, Kan.
Beeler, A. B., & Son, lbr., Little Rock, Ark.
Beeman & Broughton Co., 454 Twenty-First St., Detroit, Mich.
Beeman & Cashin Mercantile Co., whol. hdwe., Evanston, Wyo.
Beeman Tractor Co., 5th & 38th Ave. N. E., Minneapolis, Minn.
Beere, George W., aluminum, brass & bronze castings, railings, screens, etc., 451 Jefferson, Brooklyn, N. Y.
Beers & Warfield, contrs, & masons' & bldrs.' matls., Cortland, N. Y.
Beers Constr. Co., Inc., 333 Water, Binghamton, N. Y.
Beers, J. L., & Sons, fndrs., Swales, Pa.
Beers, R. E., Lumber Co., Trenton, N. J.
Beerston Acetate Co., Olean, N. Y.
Beery, Jesse, Co., bits (bridle), Pleasant Hill, Ohio.

Beeson, Fred'k C., 1032 Fulton St., Chicago.
Beeson Hardware Co., High Point, N. C.
Beetem & Co., E. C., Carlisle, Pa.
Beeten Lumber & Mfg. Co., Carlisle, Pa.
Bee Tree Lbr. Co., Massies Mill, Va.
Beezer, M. J., architect, Seaboard Bldg., Seattle, Wash.
Beggs & Co., Jas., 36 Warren St., New York, N. Y.
Beggs & Cobb Tanning Co., patent leather, Boston, Mass.
Beggs Automatic Stop & Speed Control Co., Julian, P. O. Box 53, Vincennes, Ind.
Beggs Bros., Inc., 170 Broadway, New York.
Beggs, E. J., & Co., mfg. chem., 92 William, New York.

BEGGS & CO., JAMES, mill & facty. supplies, boilers, engines, etc., 30 Warren, New York.
Foundry:
Bristol, Pa.

Beggs Motor Car Co., Michigan & Gumotte Ave., Kansas City, Mo.
Beggs Pipe & Foundry Co., Birmingham, Ala.
Begnaud, J. W., masons' & bldrs.' matls., Breaux Bridge, La.
Behle, C. J., & Sons Co., contractors, Covington, Ky.
Behlen, H., & Bro., wood stains, shellac, oil—soluble colors, 10 Christopher, New York.
Behm, Gustav, classic wood carver, 715 North Ave., Chicago, Ill.
Behm, J., & Co., contractors, 141 Oak, San Francisco, Cal.
Behning Piano Co., 306 E. 133d, New York.
Behr & Co., H., 61 Broadway, New York.
Behrend & Rothschild, match safes & rubber balloons, 353 Broadway, New York.
Behrend, Frederick, 170 Front St., New York.
Behrend, Jacob, blacking cases, furniture & medicine cabinets, 118 Allen, Philadelphia, Pa.
Behrendt, Herman F., machsts., 22 Green, Newark, N. J.
Behrens & Bushnell, machsts., Ivoryton, Conn.
Behrens, H., Mfg. Co., wash boilers, Winona, Minn.
Behrens, O. J., & Son, contractors, Wilkes-Barre, Pa.
Behrer & Co., 81 Beekman St., New York.
Behrer & Sons, Arnold, 275 Pearl St., New York.
Behringer, Edward A., 417 Canal St., New York.
Behrstock, L., gas irons, 763 W. Van Buren, Chicago, Ill.
Beidler, F., mill & facty. supplies, Upper Sandusky, O.
Beidler, Francis, ties, poles & posts, 20 W. Jackson, Chicago, Ill.
Beidler, Henry S., masons' & bldrs.' matls., Doylestown, Pa.
Beiersach & Niedermeyer Co., 216-20 5th St., Milwaukee, Wis.
Beighlee Electric Co., 1988 E. 65th, Cleveland, Ohio.
Beilman & Son, contrs., 220 Ash Ave., Scranton, Pa.
Beilman, W. E., 448-450 Niagara St., Buffalo, N. Y.
Bein, E. & Co., plate glass, 1632 Milwaukee Ave., Chicago, Ill.
Beirach Bros., Inc., 135 Bowery, New York.
Beirne, M. J., & Co., overalls, Burbank & May, Cincinnati, Ohio.
Beisley, David, brooms, Wamego, Kans.
Beistle Co., cardboard novelties, Dept. H, Shippensburg, Pa.
Beitel Lbr. Co., San Antonio, Tex.
Beith & Reilly Co., Lincoln av. & 137th st., New York.
Beitner, Geo. L., oven illuminators, 601 State, Bridgeport, Conn.
Beitzel & Sons, Jacob, York, Pa.
Bel Air Packing Co., Bel Air, Md.
Bel, J. A., Lumber Co., Ltd., Lake Charles, La.
Belber Trunk & Bag Co., 1641 Hancock St., Philadelphia, Pa.
Belcher & Loomis Hardware Co., 89 Weybosset St., Providence, R. I.
Belcher & Taylor Agr. Tool Co., Chicopee Falls, Mass. (See Bateman & Companies, Inc., New York.)
Belcher, George E., Machine Co., 12 North Ave., Wakefield, Mass.
Belcher Malleable Iron Co., Easton, Mass.
Belcher Plbg. & Htg. Co., Atlanta, Ga.
Belcher, W. E., lbr., Centerville, Ala.
Belden & Co., A. G., 29 Burling Slip, New York.
Belden Brick Co., 720 Luscarawas st., W., Canton, O.
Belden, E. S., & Sons, contractors, 217 Laurel, Hartford, Conn.
Belden Machine Co., Tyron st., New Haven, Conn.

BELDEN MFG. CO., 2407 W. 23rd St., Chicago.
Pres. & Treas.—J. C. Belden.
V. Pres.—N. B. Parsons.
Sec.—H. E. Wilkins.
Asst. Treas.—A. Beutler.
Gen. Mgr.—H. V. Coes.
Supt.—R. F. Johnstone.
Sales Mgr.—Robt. S. Sturgis.
Pur. Agt.—Wnipple Jacobs.
Advt. Mgr.—C. P. Belden.

Asheville, N. C.—Piedmont Electric Co.
Cleveland, O.—2057 E. 53d St., H. H. Balliett.
Detroit, Mich.—400 Globe Bldg., L. A. Kreis.
Los Angeles, Cal.—211 S. San Pedro St., Kesler-White Co., Phone 128-60.
Newark, N. J.—399 Market st., Belden Mfg. Co. (Eastern Office).
St. Louis, Mo.—508 Security Bldg., E. E. Woodbury.
San Francisco, Cal.—509 Mission St., Kesler-White Co., Karny 1492.
Seattle, Wash.—421 Polson Bldg., Kesler-White Co.

Belding Bros. & Co., silk thread, 902 Broadway, New York.
Belding, E. E., & Sons, contrs., West Chicago, Ill.
Belding Foundry Co., Belding, Mich.
Belding-Hall Co., machsts. & fndrs., Belding, Mich.
Belding Lumber Co., Belding, Ore.
Belfast Slate Co., Nazareth, Pa.
Belfi Bros. & Co., terrazzo & mosiac flooring, 1923 Market, Philadelphia, Pa.
Belfield Co., H., 435 N. Broad St., Philadelphia, Pa.
Belfont Iron Wks. Co., Ironton, O.
Belgian-American Coke Oven Corp., P. O. Box 1420, St. Louis, Mo.
Belgium Cannery, Belgium, Wis.
Belgrade Glass Co., tumblers, Buckhannon, W. Va.
Belgrade Leather Co., 4450 Belgrade, Philadelphia, Pa.
Belkes Perfect Tank Filter, 343 S. Dearborn St., Chicago.
Belknap & Phillips, common brick, St. Clair, Mich.
Belknap Addressing Mach. Co., 46 W. 23d, New York.
Belknap, C. C., Glass Co., Seattle, Wash.
Belknap Hardware & Mfg. Co., 2nd & Washington St., Louisville, Ky.
Belknap, John A., Anamosa, Ia.
Belknap Mfg. Co., 800 Union av., Bridgeport, Conn.
Belknap-Morsan-Allen Co., Inc., 5 Ainslie St., Brooklyn, N. Y.
Bell & Gossett Co., 117 N. Dearborn St., Chicago.
Bell & Howell Co., The, 1801-7 Larchmont Ave., Chicago.
Bell & Wildman, see Bell Ice Machine & Refrigerator Co. (successor)
Bell, Alfred M., Co., glass stainers, etc., 70 Sudbury, Boston, Mass.
Bell-Bockell Co., stone producers, Central Tr. Bldg., Altoona, Pa.
Bell Boiler & Iron Co., Lancaster, Pa.
Bell Bag Co., Inc., 63 Front St., New York.
Bell Book & Stationery Co., 206 N. 5th av., Richmond, Va.
Bell Bros., 27th St. and A. V. R. R., Pittsburgh, Pa.
Bell Bros. Piano Co., Muncie, Ind.
Bell, C., tile, Craigville, Ind.
Bell Co., advtg. spec., 151 2nd Ave. N., Nashville, Tenn.

BELL CO., INC., THE DAVID, 1555 Fillmore Ave., Buffalo, N. Y.
Pres. & Treas.—David Bell.
Sec.—W. J. Dugan.

Bell Co., C. S. Hillsboro, O.
Bell Co., The, Edwin, S. 17th St., Pittsburgh, Pa.
Bell Copper Co., 681 Market, San Francisco, Cal.
Bell, E. A., sash, door & blind mfrs., Valparaiso, Ind.
Bell Electric Motor Co., Bell Terminal, Garwood, N. J.
Bell, Geo. A., Fertilizer Wks., Wheelersburg, Ohio.
Bell Ice Machine & Refrigerator Co., 1032 E. Alder, Portland, Ore.
Bell, J. W., flour mill, Spartanburg, S. C.
Bell, J. W., Co., eave-trough hangers, Mercer, Pa.
Bell Locomotive Works, Inc., 23 Water St., New York.
Bell Lbr. Co., Marion, S. C.

BELL LUMBER COMPANY, Security Bldg., Minneapolis, Minn.
Pres. & Treas.—M. J. Bell.
Secy.—W. C. Meader.
Butt Treating Plants:
Minneapolis, Minn. (Minnesota Transfer.)
Ashland, Wis.
Schofield, Wis.
Newport, Wash.

Bell Machine Co., The, Oshkosh, Wis.
Bell Mach. Wks., Anacortes, Wash.
Bell Magnet Wire Co., Elkhart, Ind.
Bell Mfg. Co., glass blowing machines, Fairmount, Ind.
Bell Motor Car Co., Inc., York, Pa.
Bell, O. C., & Co., turpentine, Holley, Fla.
Bell, O. E., mchst. & fndr., Moscow, Idaho.
Bell Oil Corp., 11 Water, New York.
Bell Pump & Mfg. Co., 534 Fort E., Detroit, Mich.
Bell Safety Bumper Co., 68 34th, Brooklyn, N. Y.
Bell, Sam'l R., Jr., contractor, Chester, Pa.
Bell Specialty Co., 835 Central Ave., Los Angeles, Cal.
Bell, W. H., Co., plaster boards, 2582 Park Ave., New York.

BELL, W. LEWIS, hoists & winches, 314 1st, San Francisco, Calif.

Bell's, Sam'l, Sons, contractors, Lebanon, Pa.
Bellaire Bottle Co., The, Bellaire, O.
Bellaire, L., & Sons, willow ware mfrs., 41 Stephenson, Buffalo, N. Y.
Bellaire Stove Co., Bellaire, O.
Bellanca & Sorgi Const. Co., Inc., contrs., Morgan Bldg., Buffalo, N. Y.
Bellbuckle Milling Co., flour, Bellbuckle, Tenn.
Belle City Incubator Co., Racine, Wis.
Belle City Malleable Iron Co., Racine, Wis.
Belle City Mfg. Co., Racine, Wis.
Bellefontaine Bridge & Steel Co., Bellefontaine, O.
Bellefontaine Hame Co., Bellefontaine, Ohio.
Bellefonte Brick Co., Bellefonte, Pa.
Bellefonte Engng. Co., machsts. & fndrs., Bellefonte, Pa.
Bellefonte Lime Co., Bellefonte, Pa.
Belle Plaine Canning Co., Belle Plaine, Ia.
Belleville Brick & Tile Co., Belleville, Ill.
Belleville Implement & Motor Co., machsts. & fndrs., Belleville, Ill.
Belleville Shock Mover Co., agricultural implements, Belleville, Ill.
Belleville Stove & Range Co., Belleville, Ill.
Bellevue Furnace Co., 2971 Bellevue Ave., Detroit, Mich.
Bellevue Industrial Furnace Co., 703 Bellevue Ave., Detroit, Mich.
Bellevue Mfg. Co., advtg. spec., Lee, Mass.
Bellevue Mfg. Co., auto bumpers, Bellevue, Ohio.
Bellevue Mills, Inc., 301 Lockwood Bldg., Buffalo, N. Y.
Bellgrade Lbr. Co., Bank of Commerce Bldg., Memphis, Tenn.
Bellinger, A. A., lumber mfrs., Tonawanda, N. Y.
Bellingham Bedding Co., mattresses, Bellingham, Wash.
Bellingham Canning Co., Bellingham, Wash.
Bellingham Sheet Metal Works, cornices & skylights, Bellingham, Wash.
Bellows Bros., machsts. & fndrs., Salem, Ind.
Bellwood Mfg. Co., machsts. & fndrs., Bellwood, Pa.
Belmar Mfg. Co., garment hangers, Canton, Pa.
Belmar Supply Co., Inc., plbrs.' supplies, Belmar, N. J.
Belmark Co., New York Ave., Trenton, N. J. (Now B. O. T. Mfg. Co.)
Belmer, H., Co., wire goods, 628 W. 3d., Cincinnati, O.
Belmont Casket Mfg. Co., Columbus, Ohio.
Belmont Fdry., Toledo, Ohio.
Belmont Gurnee Stone Co., New Durham, N. J.
Belmont, Hy., & Son, heating contr., 103 Park Ave., New York.
Belmont Iron Works, 22nd St. and Washington Ave., Philadelphia, Pa.
Belmont Packing & Rubber Co., 12th & Arch sts., Philadelphia, Pa.
Belmont Slate Co., Bangor, Pa.

BELMONT SMELTING & REFINING WORKS, INC., 328 Belmont av., Brooklyn, N. Y.

Belmont Stamping & Enameling Co., New Phila., Ohio.
Belnap, H., Lbr. Co., sash, door & blind mfrs., Ogden, Utah.
Beloit Boxboard Co., Beloit, Wis.
Beloit Brass Works, Beloit, Wis.
Beloit Fdry. Co., Beloit, Wis.
Beloit Iron Works, Beloit, Wis.
Beloit Lumber Co., Beloit, Wis.
Belson Mfg. Co., 300 Sibley St., Chicago.
Belt Food Co., Steubenville, O.
Belt-Grip Pulley Co. (now Buffalo Pulley & Caster Co., Inc.), 152 Breckenridge St., Buffalo, N. Y.
Belt, P. P., machinist, Fredonia, Kans.
Beltine Chemical & Mfg. Co., 6155 Wentworth Ave., Chicago.
Belting & Transmission, trade publications, Monadnock Bldg., Chicago, Ill.
Belt Line Brick Co., Builders Exchange, Minneapolis, Minn.
Belton Mills, sheetings, cotton, Belton, S. C.
Beltz & Sons, J. W., Board of Trade Bldg., Wheeling, W. Va.
Belvidere Milling Co., flour, Belvidere, Tenn.
Belvidere Screw & Machine Co., Belvidere, Ill.
Belzoni Hdwe. Lbr. Co., Belzoni & Carchings, Miss.
Beman Automatic Oil Can Co., Ltd., Box 875, Meadville, Pa.
Bemberg & Sons, Little Rock, Ark.
Bemco Mfg. Co., steel balls, 243 W. 55th, New York.
Bement Miles Wks., fndrs., 21st & Callowhill, Philadelphia, Pa.
Bemidji Manufacturing Co., 1st and Park, Bemidji, Minn.
Bemis & Call Hardware & Tool Co., 983 S. Main St., Springfield, Mass.
Bemis, A. L., manual training benches & pattern makers, Worcester, Mass.
Bemis Bros. Bag Co., 601 S. 4th St., St. Louis, Mo.
Bemis Car Truck Co., 376 Birnie Ave., Springfield, Mass.
Bemis, J. M., & Son, lumber, Bradford, Pa.
Bemm & Co., F. W. 549 Wash. Blvd., Chicago
Ben Hill Co., fertilizer, Fitzgerald, Ga.
Benaset Heddle Co., Ltd., 214 W. Daupin, Philadelphia, Pa.
Benbrook & Co., Inc., Monroe, 507 S. Dearborn St., Chicago.
Benchas Supply Co., Inc., 621 E. 12th, Los Angeles, Cal.
Benda, George, 112 E. 19th St., New York.
Bender & Co., overalls, 503 E. Water, Milwaukee, Wis.
Bender & sons, Ph. J., 87 Frankford St., New York.
Bender, C., & Sons, lbr., Houston, Tex.
Bender, Geo., 120 Center St., New York.
Bender Iron & Supply Co., S., Eldorado, Ark.
Bender, J. W. Roofing & Paving Co., Monadnock Blk., San Francisco, Cal.
Bender, L. W., & Son, contractors, Cape Girardeau, Mo.
Bender, S., Shreveport, La.
Bender Wagon Co., log carts, Texarkana, Ark.
Bendinger, Louis, stone producers, Lockport, N. Y.
Bendit-Drey & Co., Inc., mirror mfrs., 188 Franklin, New York.
Benford Auto Products, Inc., spark timers & plugs, Mt. Vernon, N. Y.
Bendus, J. V., & Co., waterproofing cloth, 39 Cortlandt, New York.
Bene, John, & Sons, peroxide of hydrogen, 437 Carlton Ave., Brooklyn, N. Y.
Benedict & Burnham, machsts., Waterbury, Conn. (See American Brass Co.)
Benedict & Swanson, contractors, Jamestown, N. Y.
Benedict, C., Mfg. Co., dress shields, 591 Mission, San Francisco, Cal.
Benedict, John, Co., brick, Davenport, Iowa.
Benedict, John S., Lumber Co., 419 N. Halsted, Chicago, Ill.
Benedict Mfg. Co., East Syracuse, N. Y.
Benefiel, C. E., Co., combination tools, 5014 Univ. Ave., Indianapolis, Ind.
Beneke & Kropf Mfg. Co., 21st & Rockwell Sts., Chicago.
Benesch, Jos., & Co., scrap iron, 126 S. Pierce, Milwaukee, Wis.
Benford Mfg. Co., spark plugs, Mount Vernon, N. Y.
Bengue, Jules, ethyl chloride, W. Hoboken, N. J.
Benicia Agric. Wks., horse shoes, Benicia, Cal.
Benjamin Air Rifle Mfg. Co., 613 N. Broadway St., Louis, Mo.
Benjamin, C. W., wood handles, Sidney, Ohio.

BENJAMIN ELECTRIC MFG. CO., 847 W. Jackson Blvd., Chicago.
Pres.—Reuben B. Benjamin.
V. P.—Walter D. Steele, J. H. Fall, Jr.
London, Eng.—Northumberland Park, Tottenham N. 17., The Benjamin Electric, Ltd.
New York—243-247 W. 17th St.
San Francisco, Cal.—580 Howard St.
Toronto, Ont.—Benjamin Electric Mfg. Co. of Canada, Ltd.

BENJAMIN EQUIPMENT CO., HARRY, 705 Olive, St. Louis, Mo.
Pres.—Harry Benjamin.
V. P.—Armand Alexandre.
Sec.—J. R. Forchelmer.
Treas.—Jerome J. Benjamin.

Benjamin Hdwe. Co. (wholesale), Phoenixville, Pa.
Benjamin Iron & Steel Co., Hazelton, Pa.
Benjamin-Sellar Mfg. Co., see National Mechanical Corp. (successor)
Benjamin, W. A., Electric Co., 1378 E. 16th, Los Angeles, Cal.
Ben Mohr Mfg. Co., 220 Essex, Brooklyn, N. Y.
Benker, F. K., & Co., barrel machy., Millersburg, Pa.
Bennage & McKinstrie, contrs., 429 Wayne, Detroit, Mich.
Benneche, Edw., & Bro., fishing poles, 563 Broadway, New York.
Benner Mach. Works, machinists, 5th & Oak, Oakland, Cal.
Benner Mfg. Co., toys, games, etc., Lancaster, Pa.
Benner Tool Co., oil well drilling & fishing tools, Swissvale, Pa.
Benners, E. H., Co., lubrg. oils, 32 Front, New York.
Bennet, Jno. E., stone producers, Port Jefferson, N. Y.
Bennett & Co., E. W., 2000 16th St., San Francisco, Cal.
Bennett & Co., H. L., Westerville, O.
Bennett & Lear, masons' & bldrs.' matls., West Chester, Pa.
Bennett-Barnes Co., contrs., 1410 N. 1st, Terre Haute, Ind.
Bennett, Benj. F., Bldg. Co., contractors, 123 S. Howard, Baltimore, Md.
Bennett Brick Co., 1410 N. 1st, Terre Haute, Ind.
Bennett Bros., stone producers, 1265 N. Liberty, Winston-Salem, N. C.
Bennett Bros. Co., machsts., Lowell, Mass.
Bennett Canning Co., Frankford, Del.
Bennett Carriage Co., Burlington, Ia.
Bennett Co., I. A., 112 W. Adams St., Chicago.
Bennett Co., The W. R. Elmwood, Conn.
Bennett Contracting Corp., 199 Conn., Portland, Me.
Bennett, D., & Son, contractors, Schenectady N. Y.
Bennett, E. C., lumber mfr., Galena, Ohio.
Bennett, Edwin, Pottery Co., Elen & Fleet, Baltimore, Md.
Bennett, Edwin, Co., naval architects, 15 Broad, New York.

BENNETT-FIELD RY. TIE CO., 1406 Fisher Bldg., Chicago.
Pres. & Treas.—Alfred Bennett.
V. P.—F. M. Bennett.
Sec.—L. Pinkus.
Brockport, Ill.—H. H. Dorsey, Local Mgr.

Bennett Furnace Co., 6531 Euclid, Cleveland, O.
Bennett, G. L. (Machinery) 30 Church St., New York.
Bennett, G. S., & Co., plate glass, 114 N. 9th, Philadelphia, Pa.
Bennett, G. W., canned goods, Inverness, Md.
Bennett Hardwood Lbr. Co., see Bennett-Hooper Lbr. Co. (successor)
Bennett, H. E., & Co., brick, Sidney, Ohio.
Bennett, H. L., plate glass, Philadelphia Bourse, Philadelphia, Pa.

Bennett, H. L., Box Factory, packing boxes, Seattle, Wash.
Bennett Harold M. (Mfrs. Agent) 153 W. 23rd St., New York.
Bennett, Howard D. (Hydraulic Dredges), Locust Point, Baltimore, Md.
Bennett Injector Co., The, Muskegon, Mich.
Bennett, J. A., masons' & bldrs.' matls., Ravenna, O.
Bennett, J. W., canned goods, Auburn, Me.
Bennett, Jas. V., & Co., contractors, Williamsport, Pa.
Bennett, Jno. C., masons' & bldrs.' matls., Lowell, Mass.
Bennett Lumber & Mfg. Co., Hart, Mich.
Bennett Lumber Co., Inc., Ray H., 3030 Main St., North Tonawanda, N. Y.
Bennett-McGuire Belting Co., 3109 N. 9th St., St. Louis, Mo.
Bennett, M., & Sons, contractors, Indiana, Pa.
Bennett Mfg. Co., auto brakes, 459 2d, Oakland, Calif.
Bennett Mfg. Co., machsts. & fndrs., Plymouth, Mich.
Bennett Mfg. Co., medicine cabinets, Alden, N. Y.
Bennett Metal Treating Co., hardening compound, Elmswood, Conn.
Bennett, Montgomery Hdwe. Co., whol., 323-27 S. San Pedro, Los Angeles, Cal.
Bennett, N. T., fertilizer, mfr., New Windsor, Md.
Bennett-O'Connell Co., platers' & polishers' supplies, 3600 S. Morgan, Chicago, Ill.
Bennett Organ Co., Rock Island, Ill.
Bennett Paper Can & Tube Co., 291 10th, San Francisco, Cal.
Bennett Perfection Auto Bed Co., 619 N. Broadway, Los Angeles, Cal.
Bennett, Perry, & Sons, stone producers, Stoneham, Mass.
Bennett & Robb Co., Inc., mill & facty. supp., Los Angeles, Cal.
Bennett & Seeley, Inc., fdry. & electro platers' supplies, 823 Railroad Ave., Bridgeport, Conn.
Bennett & Smith Co., contractors, Greensburg, Pa.
Bennett & Talbott, contractors, Greensburg, Pa.
Bennett Varnish Co., 2215 Elston Ave., Chicago, Ill.
Bennett Wire Co., 7 E. 42nd av., New York.
Bennett, W. H. K., dredging machy., 20 E. Jackson Blvd., Chicago, Ill.
Bennett, W. R., Co., steel hardening furnaces, 1045H New Britain Ave., Hartford, Conn.
Bennett, W. S., & Co., masons' & bldrs.' matls., 50th & Monon, Indianapolis, Ind.
Bennett-Wheeler Mer. Co., cornices & skylights, Butler, Mo.
Bennett, Wm. H., Co., boot & shoe counters, Lynn, Mass.
Bennetts Chem. Laboratory, Tacoma, Wash.
Benninghofers, C., Sons, gas engines, Hamilton, Ohio.
Bennington Scale Co., elec. cooking app., Bennington, Vt.
Bennington Wax Paper Co., Bennington, Vt.
Benns & Visscher Co., carriages, Schenectady, N. Y.
Benoit Clayton Lbr. Co., Cheniere, La.
Benolite Co., 331 4th Ave., Pittsburgh, Pa.
Benroth Bros., machinists, Columbus Grove, Ohio.
Bens, S. J., Mfg. Corp., toilet paper holders & toys, Herkimer, N. Y.

BENSINGER CODE CO., Inc., M. R., 19 Whitehall St., New York.
New York

BENSON COMPANY, INC., ALEXANDER R., Hudson, N. Y.
Pres. & Treas.—Lloyd R. Benson.
V. P.—H. B. Zetsche.
Sec.—E. B. Osgood.
Distributors:
ALA.—Birmingham—Matthews Electric Sup. Co., 1824 1st Ave., Main 1966.
Moore, Handley Hdwe. Co., Ave. A, Main 7741.
ARIZ.—Phoenix—Motor Supply Co.
COLO.—Denver—M. L. Foss, 1729 Calif. Mach. Sup. Bldg., Main 1318.
B. K. Sweeney Electric Co., 13th Ave. & Broadway, Main 5822.
Tritch Hdwe. Co., Bank Bldg., Main 1096.
CONN.—Bridgeport—American Hdwe. Stores.
Danbury—F. A. Hull & Son.
Hartford—Tracy, Robinson & Williams Co.
New Haven—Hessell & Hoppen.
C. S. Mersick & Co.
Waterbury—Apothecaries Hall Co.
DIST. OF COL.—Washington—Rudolph & West Co., 1332 N. Y. Ave., Main 4870.
GA.—Atlanta—Georgia Ry. & Electric Co.
ILL.—Chicago—Republic Metalware Co., 1532 Wabash Ave., Calumet 3010.
Western Electric Co., 500 S. Clinton, Wabash 3000.
LA.—New Orleans—New Orleans Rys. Co.
MD.—Baltimore—Baltimore Elec. Supply Co., 309 N. Calvert, Plaza 5870.
L. A. Benson Co., Inc., 6 E. Lombard, Plaza 2996.
Kahl-Holt & Co. 111 S. Chas., Plaza 6810.
Southern Electric Co., 5 S. Gay St., Plaza 2050.
MASS.—Amesbury—Gray & Davis.
Boston—Austin & Doten, 102 North, Richmond 1460.
Bay State Hdwe. Co., 1321 Washington, Beach 5550.
Buckminster & Co., Geo. H., 59 Oliver, Main 2453.
F. S. Hardy & Co., 351 Congress, Congress 1528.
Herrick & Co.
Pettingill & Andrews, 511 Atlantic Ave., Congress 4200.
Stuart, Howland & Co., 234 Congress, Congress 3400.
Waite, Ranlet & Co., 80 Broadway, Main 6628.
Worcester—Duncan & Goodell.
MINN.—St. Paul—Farwell, Ozmun, Kirk & Co., 2nd & Jackson, Interior 2700.
Hackett, Gates & Hurty, 4th & Rosabel, Garfield 5831.
MO.—Kansas City—B-R Elec. Co., 1411 Walnut St., Harrison 7450.
Funston Elec. Co., 1310 Wyandotte, Grand 1070.
Richards & Conover, 5th & Wyandotte, Main 7600.
Western Electric Co., 608 Wyandotte, Main 4942.
St. Joseph—Ayers, Farmer Auto Supply Co.
Wyeth Hdwe. Co.
N. J.—Newark—Berger Bros.
Otto Bernz Co., Inc., 27 Ashland.
Newark Electric Sup. Co., 223 Market St.
Roe & Conover.
N. Y.—Albany—Havens Electrical Sup. Co.
Rathbone, Sard & Co.,
Brooklyn—Western Electric Co.
Buffalo—Republic Metalware Co., 100 Alabama, Seneca 1776.
Hudson—Geo. A. McKinstry.
Ilion—Ilion Hdwe. Co.
Long Island City—Long Island Hdwe. Co.
New York—Bruce & Cook, 190 Water, John 6270.
Biddle Purchasing Co., 107 Chambers, Worth 9191.
Burnett & Co., 69 South, John 0199.
Fairbanks & Co., 416 Broome, Canal 2800.
W. B. Fox & Bros., 21 Warren, Barclay 6065.
Franklin Hdwe. Co., 37 Howard, Canal 8650.
Peter A. Frasse & Co., 417 Canal, Canal 0880.
Hammacher, Schlemmer & Co., 133 4th Ave., Stuyvesant 7000.
Adam Kalb, 162 Grand, Canal 5393.
Manhattan Elec. Supply Co., 17 Park Place, Barclay 6900.
Manning, Maxwell & Moore, 119 W. 40th St., Bryant 6080.
Markt & Schaeffer Co., 193 West, Walker 5880.
Montgomery & Co., 105 Fulton, Beekman 0890.
Neal & Brinker, 78 Duane, North 9360.
Neal & Scott.
N. W. Elec. Equip. Co.
Oliver Bros., 164 Bleecker, Spring 6390.
Patterson Bros., 27 Park Row, Barclay 8320.
Pruden Hdwe. Co., W. E., 258 W. 52nd St., Circle 1931.
Republic Metalware Co., 254 36th St., Sunset 5406.
Sibley & Pitman, Elec. Corp., 190 6th Ave., Watkins 3800.
Standard Sup. & Equip. Co., 50 Church St., Cortland 3602.
Stanley & Patterson Co., West & Hubert Canal 5200.
Washington Hdwe. Co., 257 Greenwich, Barclay 8012.
Western Elec. Co., Inc., 195 Broadway, Cortland 7700.
W. S. Wilson Corp., Canal 2000.
N. C.—Greenboro—McGlammery, Sutton Auto Co.
Proximity Mercantile Co.
O.—Cincinnati—W. Bingham Co., Main & Springfield, Glendale 1094-R.
F. D. Lawrence & Co., 219 W. 4th St., Main 4435.
Milnor Elec. Co., 129 Government Sq.
Post-Glover Elec. Co., 308 W. 4th St., Main 3.
Western Electric Co., Inc., 312 Elm, Main 600.
Dayton—Thomas Mfg. Co.
PA.—Allentown—Wm. H. Taylor & Co.
Erie—United Hdwe. & Sup. Co.
Philadelphia—Colonial Elec. Co.
Elec. Service Sup. Co., 47th & Cambria, Diamond 6574.
Elliott-Lewis Elec. Co., 1017 Race, Walnut 4601.
Gummy-McFarland & Co., 147 N. 10th St., Filbert 2478.
J. H. Jolly & Co., 5th & Arch St., Market 2671.
Jones & Beach Elec. Co.
Merchant & Evans Co., 2035 Washington, Oregon 7900.
Novelty Elec. Co., 50 N. 4th St., Market 3965.
Philadelphia Electric Co., 10th & Chestnut St., Walnut 4700.
Powell Clouds Elec. Co., 602 Arch, Market 2115.
H. C. Roberts Elec. Co., 11th & Race, Filbert 3616.
Rumsey Elec. Co., 1007 Arch, Walnut 6260.
F. H. Stewart Elec. Co., 37 N. 7th St., Market 1874.
Walker & Kepler, 531 Chestnut, Lombard 1387.
Western Elec. Co., Inc., 1601 Glenwood, Columbia 0217.
Pittsburgh—Doubleday Hill Elec. Co., 719 Liberty, Grant 1575.
Frick & Lindsay, Sandusky & Robinson, Cedar 5700.
Iron City Elec. Co., 4627 Baum, Schenly 4890.
W. T. McCullough Electric Co., Court 2420.
Pittsburgh Gage & Sup. Co., 30th & Liberty, Grant 6600.
Robbins Elec. Co., 830 Liberty, Grant 6780.
Union Elec. Co., 833 Liberty Ave., Grant 5810.
West Penn Rys. Co. West Penn Blvd., Court 4106.
TENN.—Memphis—Reichman & Crosby Co.
VA.—Richmond—Virginia Ry. & Power Co.
W. VA.—Wheeling—H. S. Sands Elec. & Mfg. Co.
WIS.—Milwaukee—Milwaukee Elec. Ry. & Light Co., 217 Sycamore, Grand 5100.
John Pritzlaff Hdwe. Co., 51 W. Water St., Grand 6200.

FOREIGN:
CANADA—Ottawa, Ont.—Workman & Co.
Toronto, Ont.—Canadian Gen. Elec. Co.
El Equipment Co.
Robertson Co., Jas.
Montreal, Que.—J. A. Dawson.

Benson Bros., crude silica sand, Ottawa, Ill.
Benson, C. H., grain elevator builder, 406 Corn Exchange, Minneapolis, Minn.
Benson, Chas. A., & Co., contr., 1742 N. California Ave., Chicago, Ill.
Benson Co., Inc., L. A. (Machinists Tools Baltimore, Md.)
Benson Coal Co., masons' & bldrs.' matls., Melrose, Mass.
Benson Dry Plate & Camera Co., 21 Delancey, New York.
Benson, Emil, & Son, contractors, 340 Willard, Providence, R. I.
Benson Electric Co., Superior, Wis.
Benson, Fred S., machinist, Port Allegany, Pa.
Benson, Geo. S., & Sons, contrs., 257 S. Spring, Los Angeles, Cal.
Benson Hardware Co., Andalusia, Ala.
Benson, John A., Contr. Co., Des Moines, Ia.
Benson, L. A., machsts.' tools & mill supplies, 8 E. Lombard, Baltimore, Md.
Benson Lumber Co., San Diego, Cal.
Benson Mines Co., iron ore mines, Benson Mines, St. Lawrence Co., N. Y.
Benson-Phillips Co., masons' & bldrs.' matls., Newport News, Va.

BENSON ROLLING MILLS, INC., Glen Ridge, N. J.

Benson, W. T., & Co., see Swan & Finch Co. (successors)
Bent & Bro., S., Gardner, Mass.
Bent & Co., Jas. S., 117 First St., Boston, Mass.
Bent Co., G. W. (Beds & Bedding), 112 Canal St., Boston, Mass.
Bent, Geo. P., 214 S. Wabash Ave., Chicago.
Bent Glass Nov. Co., 394 Canal, New York.
Bent, R. G., & Co., contractors, 904 Main, Hartford, Conn.
Bent Rung, Ladder & Mfg. Co., Indiana, Pa.
Bentel & Hyland, contractors, Cheviot, Ohio.
Benthall Mach. Co., coffee pickers, 115 Shoop, Suffolk, Va.
Bentley, A. P., lbr., Polonia, Wis.
Bentley, F. A., machst. & fndr., West Point, Miss.
Bentley, J. A., Lumber Co., Zimmerman, La.
Bentley & Gerwig Furniture Co., Parkersburg, W. Va.
Bentley Lumber Co., Brantley, Ala.
Bentley & Sons Co., A., 201 Belmont St., Toledo, O.
Benton Accessories Co., The, South Bend, Ind.
Benton-Bailey Co., Richmond, Va.
Benton Co., L. F., Vergennes, Vt.
Benton County Hardware Co., Rogers, Ark.
Benton County Lbr. Co., Bentonville, Ark.
Benton County Lbr. Co., Philomath, Ore.
Benton Electric Co., machsts. & fndrs., La Crosse, Wis.
Benton Harbor Auto Machine Co., Benton Harbor, Mich.
Benton Harbor Malleable Foundry Co., Benton Harbor, Mich.
Benton Harbor Sand Co., Benton Harbor, Mich.
Benton Mfg. Co., machinists, Monticello, Ga.
Benton Mfg. Co., machinists, 9 Bethune, New York.
Benton Supply Co., fertilizer, Monticello, Ga.
Bentonville Milling Co., flour, Bentonville, Va.
Bentson Mfg. Co., The, Aurora, Ill.
Bentz Engineering Corp., air conditioning machy., 90 West, New York.
Bentz, Frank B., machsts. & fndrs., Brunnerville, Pa.
Benwood Co., Inc., 1110 Olive, St. Louis, Mo.
Benz, Adam, & Son, machsts. & fndrs., Bank & Central, Cincinnati, Ohio.
Benz Kid Co., 209 Market, Lynn, Mass.
Benzie & Campbell, granite, St. Cloud, Minn.
Berbecker & Rowland Mfg. Co., Waterville, Conn.
Berbert, A., & Bro., surgical instruments, 436 Powell, San Francisco, Cal.
Berchem, Jules, founders, 4921 W. Lake, Chicago, Ill.
Bercovich, A., Co., scrap iron, 1st & Jackson, Oakland, Cal.
Berdon-Campbell Furn. Co., Dept. H, Lake Charles, La.
Berea Canning Co., Berea, Ky.
Bereda Mfg. Co., varnish mfrs., Zion City, Chicago, Ill.
Berg Auto Trunk & Spec. Co., 353 5th Ave., New York.
Berg Bros., advg. nov., 480 Broadway, New York.
Berg Bros. Mfg. Co., auto supplies, 4520 W. North Ave., Chicago, Ill.
Berg, C. P., & Co., mech. engnrs., 10 S. La Salle, Chicago, Ill.
Berg, David, Industrial Alcohol Co., denatured alcohol, Delaware & Tasker, Philadelphia, Pa.
Berg, James, Mfg. Co., hydrometers & thermometers, 3707 12th Ave., Brooklyn, N. Y.
Berg, John, & Bro., see Berg, John, Mfg. Co. (successor)
Berg, John, Mfg. Co., ironing boards & tables, ladders, extension planks, stages & trestles, 5001 S. Wells, Chicago, Ill.
Berg, Louis O., machinist, Madison, Minn.
Berg, Machine Works, milk bottle washing & creamery machy., 1123 S. Los Angeles, Los Angeles, Cal.
Bergami, F. Nicholas, granite producers, Milford, N. H.
Bergbom & Roberg, 218 N. Jefferson St., Chicago.
Berge, J. & H., 95 John St., New York.
Bergen, J. D., Co., cut glassware, Meriden, Conn.
Bergen Paper Co., Ridgefield Park, N. J.
Bergen Point Iron Works, W. 5th St., Bayonne, N. J.
Berger & Co., auto mirrors, 1851 S. Hope, Los Angeles, Cal.
Berger & Carter Co., 365 Market St., San Francisco, Cal.
Berger & Hawden Mfg. Co., egg automatic boilers, Homestead, Pa.
Berger & Sons, C. L., 37 Williams St., Boston, Mass.
Berger & Wirth, printing inks, 58 Columbia Hts., Brooklyn, N. Y.
Berger, A. A., & Co., iron (architecural & ornamental), Houston, Tex.
Berger Aiken Coal Co., coke, H Oliver Bldg., Pittsburgh, Pa.
Berger, Albert, & Co., lenses, watch crystals, 45 John, New York.
Berger Bros., charcoal, 1186 Cherry Ave., Chicago, Ill.
Berger Bros., fertilizer mfrs., Easton, Pa.

BERGER BROS. CO., 229-237 Arch St., Philadelphia, Pa.

Berger Co., L. D., 59 N. 2nd St., Philadelphia, Pa.
Berger, C. L., & Sons, engineering & surveying instruments, 45 Williams, Boston, Mass.
Berger, Chas., machst. & fndr., Belleville, Ill.
Berger, Mrs. Chas. E., flour mills, Trout Run, Pa.
Berger, Edw. W., & Bro., mill, facty. & plumbers' supplies (jobbers), Weehawken, N. J.
Berger, Louis, & Co., architects, 1652 Myrtle Ave., Evergreen, N. Y.
Berger Mfg. Co. of Cal., corr. iron mfrs., 1120 Mission, San Francisco, Cal.
Berger Mfg. Co., elec. portables, 516 W. 25th, New York.

BERGER MANUFACTURING CO., THE, Canton, Ohio.

Berger Overall Mfg. Co., 1315 W. Congress, Chicago, Ill.
Berger, Rich. A., 5375 Pershing, St. Louis, Mo.
Berger-Steinmetz Hdwe. Co., 115 N. 7th, Allentown, Pa.
Berger, William, & Co., bed springs, mattresses, etc., 392 Florida, Milwaukee, Wis.
Bergeron, H. J., machinist, Houma, La.
Bergeron, J. L., & Son, contractors, Burlington, Vt.
Berggren & Pearson Mach. Co., 221 Canal, New York.
Bergh, W. H., furn., Dept. H, Redding, Cal.
Berghausen Machine Co., 2128 Colerain Ave., Cincinnati, Ohio.
Berghofer, Mitchell Co., machinists, Quincy, Ill.
Bergholtz, Strodtz & Co., machinists, 2230 Ogden Ave., Chicago, Ill.
Bergin, M. J., Lbr. Co., 225 Dennison av., Columbus, O.
Bergland Lbr. Co., Bergland, Mich.
Berglas Mfg. Co., M. P., 10 Fulton St., Brooklyn, N. Y.
Berglund, Chas., & Son, cornices, 236 E. 47th, New York.
Bergman, Jos. A., & Son, contractors, 2610 Wylie Ave., Pittsburgh, Pa.
Bergman Knitting Mills, Osceola & Pastorius, Gtn., Philadelphia, Pa.
Bergman Tool Mfg. Co., 1573 Niagara, Buffalo, N. Y.
Bergman, W., Hardware Co., 44 Genesee, Buffalo, N. Y.
Bergner & Co., contrs., 64 Terrace, Buffalo, N. Y.
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Bergquist Bros., contractors, Duluth, Minn.
Bergstein Bros., mattresses, 208 Plymouth Ave. N., Minneapolis, Minn.
Bergstrom & Bass, machinists, 158 2d Ave., Brooklyn, N. Y.
Bergstrom, A. B., machinist, Norfolk, Nebr.
Bergstrom, C. H., carriages, Neenah, Wis.
Bergstrom Paper Co., Neenah, Wis.
Bergstrom Stove Co., Neenah, Wis.
Bering, C. L., & Theo., Jr., wholesale hardware, Houston, Tex.
Bering-Cortes Hardware Co., Houston, Tex.
Bering Mfg. Co., Houston, Tex.
Beringer Hardware Co., Purcell, Okla.

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Berkley Box & Lbr. Co., Inc., Norfolk, Va.
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Berkley Mach. Wks. & Fdry. Co., Norfolk, Va.
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Berkowits, Goldsmith & Spiegel (Leather), 35 Spruce St., New York.
Berkowitz Envelope Co., 19th & Campbell sts., Kansas City, Mo.
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Berks Foundry & Mfg. Co., Berks P. O., Pa.
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Bessemer Fdry. & Mach. Co., 8th Ave., Bessemer, Ala.
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Besser, Edwin E., Co., Inc., toys, 35 E. 19th, New York.
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Best & Co., Inc., H. D., 949 Broadway, New York.
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Best Mfg. Co., fly killers, Charlotte, Mich.
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Biebler & Canan, 610 Sycamore St., Milwaukee, Wis.
Biefeld, O., & Co., machsts. & fdrs., Watertown, Wis.
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Bierdeman, R. C., 1140 Carroll, Chicago.
Bierman-Everett Fdry. Co., junction boxes, Irvington, N. J.
Bierman, F., & Sons, scrap rubber, St. Louis, Mo.
Biertuempfel Bros. Cork Co., 37 Av. L, Newark, N. J.
Bies, J., fnder., Michigan City, Ind.
Biesans Stone Co., Winona, Minn.
Biescar Bros., bank & office railings, Los Angeles, Cal.
Biever, A. W., Plumbing & Htg. Co., Aurora, Ill.
Biflex Products Co., auto bumpers, Waukegan, Ill.
Big Bay Lbr. Co., 2309 Loomis, Chicago, Ill.
Big Bend Milling Co., flour, Davenport, Wash.
Big Creek Coal Co., 122 S. Michigan Ave., Chicago, Ill.
Big Creek Timber Co., lumber, Aberdeen, Wash.
Big Diamond Mills Co., feed, 922 Flour Exch., Minneapolis, Minn.
Big Falls Paper Co., Rock City Falls, N. Y.
Big Four Canning Co., Stanley, Wis.
Big Four Crushed Stone Co., Ingalls, Ind.
Big Four Overall Co., 901 5th Ave., Pittsburgh, Pa.
Big Four Stone Co., New Point, Ind.
Big Jack Co., Inc., overalls, Bristol, Va.
Big Pine Lumber Co., Ltd., Colfax, La.
Big Rapids Furn. Mfg. Co., Dept H, Big Rapids, Mich.
Big Rock Stone & Construction Co., Little Rock, Ark
Big Run Mfg. Co., cooperage, A-N-B Bldg., Allentown, Pa.
Big Salkehatchie Cypress Co., Varnville, S. C.
Big Sandy Hardware Co., Paintsville, Ky.
Big Sandy Lumber Co., Inc., Hull, Ala.
Big Sandy Milling Co., flour, Louisa, Ky.
Big Savage Fire Brick Co., Frostburg, Md.
Big Vein Mining Co., coal, Terre Haute, Ind.
Bigelow & Dowse Co., 239 Franklin St., Boston, Mass.
Bigelow, Cheney Wire Works., Warwick Ave., Springfield, Mass.
Bigelow Company, The, New Haven, Conn.
Bigelow, Donovan & Hettler, whol. hdwe. & mill & facty. supplies, 229 Franklin, Boston, Mass.
Bigelow-Hartford Carpet Co., 385 Madison Ave., New York.
Bigelow, Kennard & Co., elec. & gas light fix. mfrs., 511 Washington, Boston, Mass.
Bigelow Varnish Co., 87 Oliver St., Newark, N. J.
Biger, Leonard, canned goods, Kenton, Del.
Biggar Bros., loose pulley oilers, Oneida, N. Y.
Biggin Co., Chas. P., 1829 Harlan St., Philadelphia, Pa.
Biggins & Co., J. E., 43-5 Schenectady Ave., Brooklyn, N. Y.
Biggs & Son, contractors, Springfield, Ill.

BIGGS BOILER WORKS CO., THE, 250 Case Ave., Akron, Ohio

Biggs, D. M., & Co., contrs., 60 Marsh, Boston, Mass.
Biggs, E. W. & Co., tallow, Kansas City, Mo.
Biggs Kurtz Hdwe. Co., whol., Grand Junction, Col.
Biggs Pump & Supply Co., Lafayette, Ind.
Biggs-Watterson Co., 1237 W. 9th St., Cleveland, O.
Bigheart Producing & Refining Co., petroleum, 10th floor, Petroleum Bldg., Tulsa, Okla.
Biglow, E. C., brick & tile, New London, Ohio
Bignall Co., machsts. & fndrs., Medina, N. Y.
Bignall & Keller Mfg. Wks., of the N. O. Nelson Mfg. Co., Edwardsville, Ill.
Bigney, C. I. Construction Co., 184 Wash., Providence, R. I.
Bigney, Marion E., wood handles, Moores Hill, Ind.
Bihn & Wolff Co., Ash and Almond Sts., Philadelphia, Pa.
Bijur Motor Appliance Co., electric lighting systems & starters for automobiles & motor boats, 15th & Garden, Hoboken, N. J.

BI-LATERAL FIRE HOSE CO., THE, 9 S. Clinton St., Chicago.

Bilek, Stephen, Co., embossed mouldings, 2117 S. Troy, Chicago, Ill.
Biiger Webbing Co., Nicholas, 2636-38 N. Hutchinson St., Philadelphia, Pa.
Bilgram Machine Works, 1235 Spring and Garden Sts., Philadelphia, Pa.
Bilhorn Bros., organs, 136 W. Lake, Chicago, Ill.
Bill, Bell & Co., flour mills, Ogdensburg, N. Y.
Billboard Publication Co., trade publication, 25 Opera pl., Cincinnati, O.
Bille, Hans, & Co., sash, door & blind, Marshfield, Wis.
Billingham Brass & Mach. Co., Trenton, N. J.
Billings & Spencer Co., The, Hartford, Conn.
Billings-Chapin Co., The, 1163 E. 40th St., Cleveland, O.
Billings Canning Co., Billings, Mo.
Billings, D. L., & Co., pipe hangers, 762 Dudley, Boston, Mass.
Billings Lbr. & Coal Co., sashes, doors, etc., Billings, Mont.
Billings Hdwe. Co., Billings, Mont.
Billings Union Trowel Works, 75 Barclay St., New York.
Billingsley, P. L., Co., woodworking machinery, 427 Elm, Cincinnati, O.
Billington Co., J. H., 113 Chestnut, Philadelphia, Pa
Billmeyer Lumber Co., Cumberland, Md.
Billow Firestone Co., 231 West Mound St., Columbus, O.
Billstrom, Nels J., Rockford, Ill.
Billups, C., Son & Co., agricultural implements, Norfolk, Va.
Biloxi Canning Co., Biloxi, Miss.
Bilton Machine Tool Co., Bridgeport, Conn.
Biltmore Wheat Hearts Co., Asheville, N. C.
Bilt-Rite Baby Carriage Co., 40 Stockton, Brooklyn, N. Y.
Biltwell Auto Body Co., 59 Jackson Av., Brooklyn, N. Y
Bilt-Well Sign System Elec. Co., 323 E. 25th, New York
Bilyen, Thos., mechanical engineers & tube patches, Stevens bldg., Portland, Ore.
Bimel-Ashcroft Mfg. Co., wagon spokes, Poplar Bluff, Mo.
Bimel-Ashcroft Mfg. Co., wagon spokes, Dermoth, Ark.
Bimel Spoke & Auto Wheel Co., Portland, Ind.
Binder Bros., common brick, Emaus, Pa.
Bing & Bing, 119 W. 40th St., New York.
Bingen Brick Co. (Ltd.), South Bethlehem, Pa.
Binger Sign Co., 71 W. 23rd St., New York.
Bingham & Taylor, founders, 575 Howard, Buffalo, N. Y.
Bingham Co., The W., 1278 W. 9th St., Cleveland, O.
Bingham Bros. Co., printers' rollers, 406H Pearl, N. Y.
Bingham, George H., whol. lumber, Dunmore, Pa.
Bingham Hdwe. Co., Superior, Wis.
Bingham, J. B., packing box mfr., Bennington, Vt.
Bingham, J. F., Mfg. Co., machine parts, sheet metal work, Lawrence, Mass.
Bingham Lbr. Co., Bingham, Me.
Bingham Mills, flour, Talladega, Ala.
Bingham Pump Co., 481 Hawthorne Ave., Portland, Ore.

BINGHAM STAMPING & TOOL COMPANY, THE, Post & Albion, Toledo, O.

Bingham Trunk Co., 39 Mechanic, Buffalo, N. Y.
Bingham-Wenks Planing Mill, sashes, 1842 Clay, Fresno, Cal.
Binghamton Roller Compound Co., Binghamton, N. Y.
Binghamton Brick Co., Binghamton, N. Y.
Binghampton Flexible Shaft Co., 239-41 Water St., Binghampton, N. Y.
Binghamton Glass Co., Binghamton, N. Y.
Binghamton Hdwe. Spec. Co., Binghamton, N. Y.
Binghamton Machine Works, 38 Chenango St. Binghamton, N. Y.
Binghamton Mfg. Co., coal chutes, Binghamton, N. Y.
Binghamton Metal & Paper Co., scrap rubber, Binghamton, N. Y.
Binghamton Oil Refining Co., Binghamton, N. Y
Binghamton Paving Block Co., brick, Binghamton, N. Y.
Binghamton Washing Mach. Co., see Nineteen Hundred Washer Co. (successors)
Binghamton Whip Co., stocks & lashes, Binghamton, N. Y.
Binkley Buggy Co., carriages, Tipton, Ind.

BINKS SPRAY EQUIPMENT CO., 3129 Carroll Ave., Chicago.
(Formerly The Star Brass Works.)
Pres.—Jas. Binks.
V. P.—H. D. Binks.
Secy.—E. W. Peterson.

Binner, Theo., archl. decorators, 423 14th, San Francisco, Cal.

BINNEY & SMITH CO., 41 E. 42nd St., New York.

Binney, Arthur, naval architects, 12 Pearl, Boston, Mass.
Binney Machine Wks., Big Rapids, Mich.
Binns, Hy., fndrs., Passaic, N. J.
Binns Patent Band Co., tinsel cords, tex. machy. (spindle hook bands), 1842 Germantown Ave., Philadelphia, Pa.
Binns, W. H., Machine & Tool Works, spec. machy., etc., 416 Harrison, San Francisco, Cal. (successor Binns Machine & Tool Works, 71 Perry, San Francisco, Cal.)
Binswanger & Co., Richmond, Va.
Binswanger & Co., 645 Union Ave., Memphis, Tenn.
Binswanger & Co., B., 835 N. 3rd St., Philadelphia, Pa.
Binswanger, H. P., clays, ores, minerals, 7 W. 16th, New York
Binz, Edw. G., eucalyptus oils, 732 Ceres Ave., Los Angeles, Cal.
Biograph Co., moving picture films, 807 E. 175th, New York.
Bippus, Jacob, & Son, contrs., Hartmets Bldg., Evansville, Ind.
Bique, N. J., & Son, 126 N. Grand, Chicago.
Birch & Birch, College & East Sts., Crawfordsville, Ind
Birch Bros., textile machy., 56 Farmont, Somerville, Mass.
Birch, James H., 31 Library St., Burlington, N. J.

BIRCH MANUFACTURING CO., (Not Inc.), 1526 Sedgwick St., Chicago.
Pres. & Gen. Mgr.—Wm. T. Birch.

Birch Mfg. Co., Geneva, Ill.
Birch Motor Cars, Inc., 3708 Halsted, Chicago, Ill.
Birch, S., & Sons Constr. Co., Fargo, N. D.
Birch Valley Lbr. Co., Tioga, W. Va.
Birchard Construction Co., contractor, Lincoln, Neb.
Bircher Company, Inc., The, 73 Exchange St., Rochester, N. Y.
Bircher, Geo., fndrs., 716 Cherry, Philadelphia, Pa.
Birchfeld Boiler Co., Tacoma, Wash.
Bird & Co., W. M., Charleston, S. C.
Bird & Son, Inc., 163 Washington St., East Walpole, Mass.
Bird-Archer Co., The, 33 Rector St., New York.
Bird-Wilcox Company, Atlanta, Ga.
Bird, A. J., Rockland, Me.
Bird Bill Pen Co., Inc., 892 De Kalb Ave., Brooklyn, N. Y.
Bird, J. A. & W., & Co., chemical importers & mfrs. agts., 348 Con, Boston, Mass.
Bird Machine Co., rotary screens for paper mills, E. Walpole, Mass.
Bird, Rymer Co., gas elect. fixtures, 332 12th, Oakland, Cal.
Bird, Thos. J., arch'l engrs., 103 Park Ave., New York.
Bird, Wm. E., galvanzing wks., 17 Border, Boston, Mass.
Birdsall & Co., W. A., 44 Mechanic St., Newark, N. J.
Birdsall Bros. Co., blankets, flannels, woolen, Honesdale, Pa.
Birdsall-Griffith Constr. Co., Racine, Wis.
Birdsall Engine Co., see Arcadia Trailer Corp. (successors)
Birdsboro Iron & Steel Breaking Co., Ltd., Birdsboro, Pa.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Birdsboro Stone Co., Land Title bldg., Philadelphia & Birdsboro, Pa.
Birdsell Mfg. Co., 406 S. Columbia Ave., South Bend, Ind.
Birdsong, Mason, mchsts., Bolton, Miss.
Bireley, G. K., & Sons, leather, Frederick, Md.
Birge & Sons Co., M. H., 390 Niagara, Buffalo, N. Y.
Birkenmeier & Kuhm Co., whol. hdwe., 529 Clinton Ave., Newark, N. J.
Birkenstein & Sons, S., 1056 W. North Ave., Chicago.
Birkett, A. S., mchsts. & fdrs., Clayton, Ill.
Birkett Mills, flour, Penn Yann, N. Y.
Birkle, John A., lumber, Williamsport, Pa.

BIRKLE MACHINE WORKS, 456 N. Union Ave., Chicago.

Birkmeyer, Mescher & Co., brick & tile, Cold Water, Ohio
Birmingham Blue Print Co., 216½ N. 21st St., Birmingham, Ala.
Birmingham Buggy Co., 1903 Ave. D, Birmingham, Ala.
Birmingham Clay Products Co., Birmingham, Ala.
Birmingham Cooperage Co., Jefferson County Bank Bldg., Birmingham, Ala.
Birmingham Fertilizer Co., Am. Tr. Bl., Birmingham, Ala.
Birmingham Hide & Tallow Co., 205 N. 28th, Birmingham, Ala.
Birmingham Iron Foundry, Derby, Conn.
Birmingham Machine & Fdry. Co., Birmingham, Ala.
Birmingham Packing Co., 2314 N. 24th, Birmingham, Ala.
Birmingham Paint & Glass Co., 2021 4th Ave., Birmingham, Ala.
Birmingham Rail & Locomotive Co., 38th Ave., N., Birmingham, Ala.
Birmingham Realty Co., Birmingham, Ala.
Birmingham Sash & Door Co., 1000 N. 16th, Birmingham, Ala.
Birmingham Saw Works, 2614 2nd Ave., Birmingham Ala.
Birmingham Slag Co., Jeff. Co. Bk. Bldg., Birmingham, Ala.
Birmingham Stove & Range Co., Tenn. Pike, Birmingham, Ala.
Birmingham Trunk Factory, 1902 2nd Ave., N. Birmingham, Ala.
Birnbaum Bros. & Sack, scrap tin, rubber & brass, 133 Roosevelt, New York.
Birnie & Diack, granite, S. Quincy, Quincy, Mass.
Birnie Paper Co., Birnie Ave., Springfield, Mass.
Birtman, C. F., elec. hair dryers, 163 N. Wabash Ave., Chicago, Ill.
Birtman Elec. Co., 640 W. Lake St., Chicago.
Birtwell, H. B., mchy. dlrs., Chester, Pa.
Birtwistle, E. S., aluminum solder, 143 N. J. R. R. Ave., Newark, N. J.
Biscegles Bros. & Co., canned goods, San Jose, Cal.
Bisch & Salzmann, wood carvers, patterns, etc., 1837 E. 16th, Los Angeles, Cal.
Bisch, Geo. F., mchsts., Springfield, Ill.
Biscoe, M. B. & W. E., & A. A. Fisher, architects, U. S. National Bank bldg., Denver, Col.
Bisenius, G. L., Trunk Co., 360 Jackson, St. Paul, Minn.
Biser, G. W., & Co., canned goods, Berkeley Springs, W. Va.
Biset Brick Co., South River, N. J.
Bishop & Babcock Co., 1803 E. 49th St., Cleveland, O.
Bishop & Co., canned goods, Los Angeles, Cal.
Bishop & Co., Geo. H. Lawrenceburg, Ind.
Bishop & Co., J., (Platinum Works), Malvern, Pa.
Bishop & Dickinson, rattan furniture, Baldwinsville, Mass.
Bishop & Lynes, masons' materials, Norwalk, Conn.
Bishop Bros., contractors, Northampton, Mass.
Bishop Bros. Quarry Co., Quincy, Mass.
Bishop Calculating Recorder Co., 41 Park Row, New York.
Bishop, Chas., granite, S. Quincy, Quincy, Mass.
Bishop Co., J. W., 102 Foster St., Worcester, Mass.
Bishop, Dexter L., Co., lumber, Meriden, Conn.
Bishop, E. K., Mill Co., lumber, Montesano, Wash.

Bishop, Friedman & Bergstrom, Inc., 165 Broadway, New York.
Bishop Furniture Manufacturing Co., 2111 E. 51st, Los Angeles, Cal.
Bishop, Geo. H., 4139 W. Kinzie St., Chicago.
Bishop, George H., & Co., see Ohlen-Bishop Co., (successors)
Bishop-Gifford Co., Inc., canned goods, Baldwin, Long Island, N. Y.
Bishop Gutta Percha Co., 420 E. 25th St., New York.
Bishop, Jos., granite, S. Quincy, Quincy, Mass.
Bishop Ladder Co., Hartford, Conn.
Bishop Mfg. Co., Robert, 157 W. 6th St., Boston, Mass.
Bishop, R. & B., granite, Quincy, Mass.
Bishop, W. S., elec. plating dynamos, 63 Bradley, New Haven, Conn.
Bishop-Whaley Lumber Co., Inc., 1088 Arcade Bldg., St. Louis, Mo.
Bishopp Hominy Co., Sheldon, Ill.
Bishopric Manufacturing Co. of Calif., 614 E. 62nd, Los Angeles, Cal.
Bishopric Mfg. Co., Spring Grove & Estes, Cincinnati, O.
Bishops, Wm., Sons, pumps, ship vents., etc., 18 James, New York
Bisler, G. A., Inc., paper boxes, 245 N. 6th, Phila., Pa.
Bison Mfg. Co., cutlery mfrs., Little Valley, N. Y.
Bison Storage Battery Co., 24 E. Ferry, Buffalo, N. Y.
Bissell & Erter, tile & brick, Cecil, O.
Bissell Carpet Sweeper Co., 210 Erie St., N. W., Grand Rapids, Mich.
Bissell Co., F., Toledo, O.
Bissell, Edw. J., potato scoops, Milford, Mich.
Bissell Lumber Co., The Meadows, Seattle, Wash.
Bissell Lumber Co., Marshfield, Wis.
Bissell Scott Co., Monroe, La.
Bissell Varnish Co., The, Bridgeport, Conn.
Bissett, R. J., steamfitters' supplies, Guardian Bldg., Cleveland, Ohio.
Bissinger & Co., tallow, 454 Eureka Ave., San Francisco, Cal.
Bisson & Jodoin, cornices & skylights, 52 Dean, Manchester, N. H.
Bisson, P., & Son, stone producers, Athens, Ga.
Bitoslag Paving Co., 90 West St., New York.
Bittel, Wm., mill & facty. supplies, Peoria, Ill.

BITTENBENDER CO., THE, 126 Franklyn Ave., Scranton, Pa.

Bittenbender, Geo. H., & Son, machsts., Plymouth, Pa.
Bittenbender, W. W., & Co., machsts., Nanticoke, Pa.
Bitter, Jos., cornices, Sandusky, Ohio
Bitterman, E., cornices & skylights, Lexington, Ky.
Bittermann, F. J., Co., sheet metal work & welded tanks, 1401 E. Cass, Joliet, Ill.
Bittinger, E. M., lime, Bittinger, Pa.
Bittles, Raser, handles, Greencastle, Ind.
Bittner, G. C., Co., pharmaceuticals, Toledo, Ohio
Bittner, Louis, Lumber Co., Bellevue, Iowa
Bittners, G., Sons, furniture Dept. H, Louisville, Ky.
Bitu-Mortar Waterproofing Co., The, 208 Madison Ave., New York.
Biturine Co., paints & enamels, 1 Drumm, San Francisco, Cal.
Biwabik Mining Co., iron ores, Youngstown, Ohio
Bixby & Co., Wm. E., Inc., Haverhill, Mass.
Bixby, S. M., & Co., shoe blacking & polishes, 46th & 2nd Ave., Brooklyn, N. Y.
Bizzozero, E., granite, W. Quincy, Quincy, Mass.
Bjornson Sheet Metal Wks., cornices & skylights, Omaha, Neb.
Bjur Bros., pianos, Whitlock & Leggett Aves., New York
Blabon Co., The Geo. W., 21st & Hunting Pike, Philadelphia, Pa.
Black & Boyd Mfg. Co. (Elec. L't. Fixtures), 17 E. 47th St., New York.
Black & Coulter Co., contractors, Columbia, S. C.
Black & Decker Manufacturing Co., The, E. Penn. Ave., Baltimore, Md.
Black & Gay, Inc., canners, Thomaston, Me.
Black & Sell, contrs., 1515 Waren, Pittsburgh, Pa.
Black & Yates, 392 5th Ave., New York.
Black, A. S., burning brands, stencils, etc., 126 Main St., Elmwood, Cincinnati, Ohio
Black Bear Co., boiler compounds, 138 Temple, Long Island City, N. Y.
Black Bros., flour, Beatrice, Neb.

BLACK BROS. CO., INC., THE, carpenters' clamps & woodworking machy., Mendota, Ill.

Black Bros. Lumber Co., Searcy, Ark.
Black Builders' Supply Co., Marietta, Ga.
Black-Clawson Co., Hamilton, O.
Black Co., Inc., John P., 2nd St. & Edgmont Ave., Chester, Pa.
Black Diamond Co., trade publication, 431 S. Dearborn, Chicago, Ill.
Black Diamond Lbr. Co., Winlock, Wash.
Black Diamond Mfg. Co., 1219 Bank, Cincinnati, O.
Black Diamond Paint & Varnish Wks., 1219 Bank, Cincinnati, O.
Black Diamond Powder Co., Pittston, Pa.
Black Diamond Saw & Machine Works, 43 North Ave., Natick, Mass.
Black Diamond Spad Co., Box 414, Richmond, Va.
Black Eagle Carriage Mfg. Co., Great Falls, Mont.
Black Furnace Co., Mount Vernon, Ohio
Black Hdwe. Co., who. hdwe., Galveston, Tex.
Black Hawk Construction Co., Waterloo, Ia., & Freeport, Ill.
Black Hawk Fdy. & Mach. Co., Black Hawk, Colo.
Black Hawk Mfg. Co., machsts. & fndrs., Waterloo, Ia.
Black Hill Lime Co., Pringle, S. D.
Black, J. B., Co., machsts. & edge tools, Chester, Pa.
Black, Jno., stone producer, Harrisburg, Pa.
Black, K. L., & Co., Inc., contrs., 1300 Chaffin, Richmond, Va.
Black Lake Lbr. & Shingle Mill Co., Creston, La.
Black, M. J., & Sons, flour mills, Athens, Ala.
Black, McKenny & Stewart, civil engng., 1653 Pennsylvania Ave., Washington, D. C.
Black Mfg. Co., machinists & veneer presses, Mendota, Ill.
Black Mfg. Co., overalls, 165 Jackson, Seattle, Wash.
Black Mule Harness Co., see Smoak, W. W., Black Mule Harness Co.
Black, P. F., Co., carriages, 2361 E. 14th, Cleveland, O.
Black Planing Mill Co., 220 No. Church, West Chester, Pa.
Black Products Co., 135th St. & Calumet Ave., Chicago.
Black River Cypress Lumber Co., Gable, S. C.
Black River Falls Lumber & Mercantile Assn., masons' & bldrs.' matls., Black River Falls, Wis.
Black, Robt., & Co., lbr. mfrs., Bay City, Mich.
Black Rock Mfg. Co., The, Ft. Hancock Ave., Bridgeport, Conn.
Black Rock Wallboard Co., The, 57 Ontario, Buffalo, N. Y.
Black Silk Stove Polish Works, Sterling, Ill.
Black, Sivalls & Bryson, tanks, Bartlesville, Okla.
Black Springs Lbr. Co., Womble, Ark.
Black Star Coal Co., 76 W. Monroe, Chicago, Ill.
Black Steel & Wire Co., Inc., 21st & Manchester, Kansas City, Mo.
Black, W. H., & Son, contractor, Youngstown, Ohio
Blackall & Baldwin Co., 59 Cortlandt St., New York.
Blackall, Clapp & Whittemore, architects, 20 Beacon, Boston, Mass.
Blackall, Frederick S., (Machy. & Spec. Tools), 233 Broadway, New York.
Blackall, Robert H., Farmers' Bank Bldg., Pittsburgh, Pa.
Blackburn, John H., & Son, contractors, Staunton, Va.
Blackburn Mill Mfg. Co., West Jefferson, N. C.
Blackburn, Robert, 68 Wisconsin St., Milwaukee, Wis
Blackburn, S. P. & Co., mill & facty. supplies, 152 Border, Boston, Mass.
Blackburn-Smith Corp., 103 Park Ave., New York.

BLACKBURN SPECIALTY CO., Not Inc., 1967 E. 66th St., Cleveland, O.

Owner—Geo. R. Blackburn.
Manufacturers Agents carrying consigned stock:
CALIF.—Los Angeles—H. B. Squires Co. 229 Boyd St.
San Francisco—H. B. Squires Co., 583 Howard St.
ILL.—Chicago—S. R. Fralick & Co., 15 S. Clinton St.
Distributors:
ALA.—Birmingham—Western Electric Co., 101 South 21st St., Main 684.
CALIF.—Los Angeles—Kieruff & Ravenscroft, 1630 S. Los Angeles St., Atlantic 3125.
Graham-Reynolds Elec. Co., 300 East 3rd St., Vandike 1091.
Western Elec. Co., 301 East 8th St., Main 9323.
San Francisco—Fobes Supply Co., 260 5th St., Karny 5780.
Western Electric Co., 680 Folsom St., Sutter 6546.
COLO.—Denver—Hendrie & Bolthoff M. & S. Co., 1621 17th St., Main 75.
Western Electric Co., 1425 Curtis St., Main 2460.
CONN.—New Haven—Western Electric Co., 221 Water St., Colony 7540.
FLA.—Jacksonville—Western Electric Co., 334 East Bay St., Jacksonville 149.
Tampa—Pierce Electric Co., 7445.
GA.—Atlanta—Western Electric Co., 119 Walton St., Ivy 2261.
Savannah—Western Electric Co., 111 West Broad St., Savannah 2330.
ILL.—Chicago—Central Elec. Co., 316 S. Wells St., Wabash 2160.
Illinois Electric Co., 312 Madison St., Main 4450.
Western Elec. Co., 500 S. Clinton St., Wabash 3000.
IND.—Indianapolis—Varney Elec. Sup. Co. 121 S. Meridian St., Main 3420.
Western Electric Co., 400 West Ohio St., Main 2840.
IA.—Des Moines—Collins Elec. Co.
LA.—New Orleans—Electric Supply Co., 324 Camp St., Main 1402.
Western Electric Co., 601 S. Peter St., Main 731.
MD.—Baltimore—Western Electric Co., 106 South St., Calvert 5050.
MASS.—Boston—Western Electric Co., 385 Summer St., Congress 2500.
MICH.—Detroit—Frank C. Teal Co., 425 Bates St., Main 3435.
Western Electric Co., 1947 Kirby Ave., Melrose 3321.
MINN.—Minneapolis—Western Electric Co., 114 Third St., North, Main 1193.
St. Paul—Western Electric Co., 63 East 6th St., Cedar 1128.
MO.—Kansas City—Schmelzer Co., 2015 Grand Ave., Grand 4180.
Western Electric Co., 609 Wyandotte St., Main 4942.
St. Louis—Commercial Elec. Sup. Co., 320 S. Broadway, Main 1292.
Manhattan Elec. Sup. Co., 1106 Pine St., Olive 5075.
Wesco Sup. Co., 8th & Clark Sts., Main 3230.
Western Electric Co., 814 Spruce St., Main 1611.
MONT.—Butte—Mountain Elec. Co.
NEBR.—Omaha—Mid-West Elec. Co. Douglas 0456.
Western Electric Co., 802 Farnam St., Atlantic 5740.
N. Y.—Buffalo—Western Electric Co., 709 Main St., Tupper 6200.
New York—Stanley & Patterson, West & Hubert Sts., Canal 5200.
Western Elec. Co., 401 Hudson St., Canal 7000.
Western Elec. Co., 105 W. 40th St., Bryant 8911.
Rochester—Stromberg Carlson Telo. Mfg. Co., 1056 University Ave., Stone 1941.
Syracuse—Western Electric Co., 930 So. Salina St., Warren 4176.
OHIO—Cincinnati—Post-Glover Elec. Co., 308 West 4th St., Main 3.
Western Electric Co., 310 Elm St., Main 600.
Cleveland—Erner Elec. Co., 1240 Ontario St., Main 7520.
Republic Elec. Co., 1820 East 18th St., Prospect 2900.
Western Elec. Co., 1010 Oregon St., Cherry 603.
Columbus—Erner & Hopkins Co., 146 N. 3rd St., Main 280.
Toledo—F. Bissell Co., 812 Lafayette St., Main 7565.
OKLA.—Muskogee—Peabody Elec. Co., 221 W. Okmulgee Ave., L. D. 40.
Oklahoma City—Western Electric Co., 26 West First St., Walnut 6850.
ORE.—Portland—Fobes Supply Co., 8th & Davis Sts., Broadway 1888.
PENN.—Philadelphia—H. C. Roberts Elec. Supply Co., 1101 Race St., Filbert 3616.
Western Elec. Co., 910 Cherry St., Walnut 5405.
Pittsburgh—Western Elec. Co., 910 River Ave., N. W., Cedar 2300.
TENN.—Nashville—Western Elec. Co., 6 Summins Station, Nashville M 5086.
TEX.—Dallas—Southwest General Elec. Co., X 2201, Western Elec. Co., Pacific & Ervay Sts., X 6454.
Houston—Western Electric Co., Jackson & Commerce Sts., Preston 215.
UTAH—Salt Lake City—Western Electric Co., 41 W. 3rd South St., Wasatch 630.
VA.—Richmond—Western Electric Co., 6th & Cary Sts., Randolph 1846.
WASH.—Seattle—Fobes Supply Co., 560 First St., Eliot 1636.
Western Elec. Co., 84 Marion St., Main 6650.
Spokane—Western Electric Co., 152 S. Post St., Riverside 2228.
W. VA.—Charleston—Charleston Elec. Sup. Co.
WIS.—Milwaukee—G-Q Electric Co., 23 Erie St., Broadway 5400.
Julius Andrae & Sons Co., Broadway & Michigan Sts., Broadway 4900.
Western Elec. Co., 458 Milwaukee St., Broadway 5413.

Blackburn Varnish Co., Dana & Floral, Cincinnati, O.
Blacker & Shepard Co., lumber, 409 Albany, Boston, Mass.
Blacker Engineering Co., Inc., Grand Central Terminal, New York.
Blackfoot Farmers' Milling Co., Ltd., flour, Blackfoot, Idaho.
Blackford, W. S. & A. V., mill & facty. supplies, Bonaparte, Ia.
Blackford Window Glass Co., Vincennes, Ind.
Blackfox Brick Co., Conestoga Bldg., Pittsburgh, Pa.
Blackhall Mfg. Co., 196 Seneca, Buffalo, N. Y.
Blackhawk Fdry. & Machine Co., The, Davenport, Ia.
Blackhawk Tire & Rubber Co., The, Warsaw, Ind.
Blackinton, R., & Co., silver nov., N. Attleboro, Mass.
Blackinton, V. H., & Co., emblems & badges, Attleboro Falls, Mass.

BLACKISTON & STAFF, G. P., 1142 Market Ave., Canton, O.

Blackiston Canning Co., Clayton, Dell.
Blackledge, H., & Co., contractors, 25 Seventh, Norwich, Conn.
Blackledge Mfg. Co., John W., 225 W. Ohio St., Chicago.
Blackman Mach. Tool Co., see Blackman-Hill-McKee Mach. Co., (successors)
Blackman Point Mill, lbr., Everett, Wash.
Blackmer & Post Pipe Co., Wainwright Bldg., St Louis, Mo.
Blackmer Rotary Pump Co., Petoskey, Mich.
Blackmore, John, machinist, Painesville, Ohio
Blackmore Mfg. Co., mattresses, 2108 Cass, St. Louis, Mo.
Blackshear Mfg. Co., fertilizer, Blackshear, Ga.
Blacksher Co., Magazine, Ala.
Blacksmith & Wheelwright, trade publication, 132 W. 43rd, New York.
Blackstone & Smith, contractors, 185 Middle, Portland, Me.
Blackstone Glazed Paper Co., 161 N. Bend St., Pawtucket, R. I.
Blackstone Guano Co., fertilizer mfrs., Blackstone, Va.
Blackstone Mach. Co., Pawtucket, R. I.
Blackstone Mfg. Co., washing machines, Jamestown, N. Y.
Blackstone Plow Wks., Blackstone, Va.
Blackstone Reed & Harness Co., 41 Bayley, Pawtucket, R. I.
Blackwell-Kaiser Lbr. Co., Park Falls, Wis.
Blackwell Brick Co., Blackwell, Okla.
Blackwell, F. E., advtg. nov. & spec., 630 Mission, San Francisco, Cal.
Blackwell Lbr. Co., Pardee, Va.
Blackwell Lumber Co., Coeur d'Alene, Idaho.
Blackwell Milling & Elevator Co., flour, Blackwell, Okla.
Blackwell, P. A., & Co., whol. hdwe. & mill & facty. supplies, Henderson, Ky.
Blackwood Coal & Coke Co., Blackwood, Va.
Blade Printing & Paper Co., Toledo, Ohio
Bladen Tie & Lumber Co., Brunswick, Ga.
Blades, J. B., Lumber Co., Newbern, N. C.
Blaesi, C. W., Co., mill & facty. supplies, 3rd & Sycamore, Cincinnati, Ohio
Blaettnar's, M., Sons, carriages, Pomeroy, Ohio
Blagden, Wendell P., 14 Wall St., New York.
Blaich Co., Alfred O., Detroit, Mich.
Blaine-Mackay-Lee Co., flour mills, North East, Pa.
Blaine Mfg. Co., lbr., Blaine, Wash.
Blair & Bros., D., Stanton & Black Sts., Pittsburgh, Pa.
Blair & Son, mchsts. & fndrs., Waukesha, Wis.
Blair, Algernon, contrs., Montgomery, Ala.
Blair Brick Co., 534 Main, Cincinnati, O.
Blair, Campbell & McLean, Inc., see American Chemical & Sugar Machinery Co. (successors)
Blair Canning Co., Blair, Me.
Blair Co., J. C. (Mfg. Stat'r), Huntingdon, Pa.
Blair Horse Collar Co., Blair, Neb.
Blair, J. & J., Lumber Land Co., Placerville, Cal.
Blair, J. C., Co., pads & tablets, Huntingdon, Pa.
Blair, J. F., cornices & skylights, Concordia, Kans.
Blair, J. M., Brick Co., 2133 Alpine Pl., Cincinnati, O.
Blair, J. T., Co., metal polish, 517 Commerce, Nashville, Tenn.
Blair, L. R., Inc., see Slocum, Avram & Slocum Laboratories, Inc. (successors)
Blair Limestone Co., Canoe Creek, Pa.
Blair Lbr. Co., Kregor, Pa.
Blair Mfg. Co., Lbr., Camden, N. J.
Blair Mfg. Co., 313 Birnie Ave., Springfield, Mass.
Blair Milling Co., flour, Atchison, Kans.
Blair Mills, damasks, cotton, Belton, S. C.
Blair Motor Truck Co., Newark, Ohio
Blair, Thos. P., Sheet Metal Co., San Diego, Cal.
Blair Tool & Machine Works, 24 West St., New York.
Blair Veneer Co., chair seats, North Troy, Vt.
Blairsville Enamel Ware Co., mchsts. & fndrs., Blairsville, Pa.
Blairsville Mach. Co., Blairsville, Pa.
Blairsville Sanitary Co., lavatories, Blairsville, Pa.
Blaisdell-Candy Co., 99 West St., New York.
Blaisdell Machine Works, machinists, Vineland, N. J.
Blaisdell Milling Co., feed, 204 Met. Natl. Bank Bldg., Minneapolis, Minn.
Blaisdell, N., & Sons, ship bldrs., Bath, Me.
Blaisdell Pencil Co., 141 Berkley, Philadelphia, Pa.
Blaisdell, S., Jr., Co., cotton waste, Chicopee, Mass.
Blaisdell, S. S., Mach. Co., 228 Aborn, Providence, R. I.
Blaisdell, W. B., & Co., granite, Franklin, Me.
Blak, Edward, mica, Newdale, N. C.
Blake & Co., W. L., Portland, Me.
Blake & Higgins, paper mills, Bellows Falls, Vt.

BLAKE & JOHNSON CO., 1500 Thomaston Ave., Waterbury, Conn.

Blake, Chas. G., & Co., granite columns & mausoleum, 108 So. La Salle, Chicago, Ill.
Blake Const. Co., contrs., Appleton, Wis.
Blake Electric Mfg. Co., 1 Rowes Wharf, Boston, Mass.
Blake, Frank W., lumber mfrs., Norfolk, Va.
Blake, Geo. F., Jr., & Co., wholesale hardware, 198 Mechnc., Worcester, Mass.
Blake, H. A., & Son, mchsts. & fdrs., Cheboygan, Mich.
Blake, H., & Son, turbine water wheels, East Pepperell, Mass.

BLAKE-KNOWLES WORKS, 115 Broadway, New York.

Blake-McFall Co., pads & tablets, E. 63rd & Ankeny, Portland, Ore.
Blake Mfg. Co., name plates, 56 Tyler, Springfield, Mass.
Blake Piston Ring Co., 1111 E. Pike, Seattle, Wash.
Blake Pump & Condenser Co., Sawyer Passway, Fitchburg, Mass.
Blake Signal & Mfg. Co., 121 High St., Boston, Mass.

Blake Specialty Co., castings, couplings, ferrules, plugs, traps, etc., Rock Island, Ill.
Blakeley & Son, John, 1089 Germantown Ave., Philadelphia, Pa.
Blakely Engine Co., rowboat motors, Muskegon, Mich.
Blakely Hdw. Lbr. Co., Blakely, Ga.
Blakely-Oswald Printing Co., 124 W. Polk St., Chicago.
Blakely Printing Co., 418 So. Market St., Chicago.
Blakeley, Geo. C. S., Son, brick, Lynn, Mass.
Blakeslee & Co., G. S., 1900 S. 52nd St., Cicero, Ill.
Blakeslee & Sons, C. W., New Haven, Conn.
Blakeslee Drop Forging Co., New Haven, Conn.
Blakeslee Forging Co., Plantsville, Conn.

BLAKESLEE MFG. CO., Du Quoin, Ill.
Pres.—E. T. Blakeslee.
V. P. & Treas.—J. W. Blakeslee.
Sec.—N. K. Adams.

Blakeslee, Perrin & Darling, 1100 Seneca St., Buffalo, N. Y.
Blakesley Novelty Co., cotton sleeving, Bristol, Conn.
Blakey-Clark Hardware Co., Ennis, Tex.
Blalock-Allen Hardware Co., Wadesboro, N. C.
Blanch Bros., contractors, Conshohocken, Pa.
Blancard & Co., Inc., New York City, N. Y.
Blanchard, A. W., 1044 84th St., Brooklyn, N. Y.
Blanchard Bros. Granite Co., Linwood, Mass.
Blanchard Bros., granite, Uxbridge, Mass.
Blanchard Bros., cornices & skylights, Napoleonville, La.
Blanchard Bros. & Lane, patent leather, 20 Bruen, Newark, N. J.
Blanchard Co., Isaac H., 418 W. 25th St., New York
Blanchard Co., The, Aurora, Ill.
Blanchard, Crocker & Howell, contrs., 58 2nd, San Francisco, Cal.
Blanchard, Fred K., mill & facty. supplies, Troy, N. Y.
Blanchard, Hamilton Furn. Co., Dept. H, Shelbyville, Ind.
Blanchard, Humber & Co., fertilizer, Columbus, Ga.
Blanchard, James A., Co., insecticides, 30 Church, New York
Blanchard Lumber Co., 126 State St., Boston, Mass.
Blanchard Machine Co., The, Cambridge, Mass.
Blanchard Mfg. & Canning Co., Eastport, Me.
Blanchard Press, 418 W. 25th St., New York.
Blanchard, Wm. L., Co., contractors, 45 Poinier, Newark, N. J.
Blanchardville Lumber Co., Blanchardville, Wis.
Blancke, A. C. & Co., steels, tools, etc., 602 W. Lake, Chicago, Ill.
Bland, John L., & Co., contractors, 1516 Summer, Philadelphia, Pa.
Blandin Co., Lawrence, Mass.
Blandin Phonograph Co., Inc., 1600 Junction Ave., Racine, Wis.
Blandon Rolling Mills, Blandon, Pa.
Blandy Paper Co., cardboard, Schuylerville, N. Y.
Blaney, Cyril C., babbitt metal, 16 Kingston, Boston, Mass.
Blank & Gottshall, flour mills, Sunbury, Pa.
Blanke Mfg. & Supply Co., bee keepers & dairy supplies, 3rd & Washington Ave., St. Louis, Mo.
Blanke, W. F., Can & Mfg. Co., 116 Pine, St. Louis, Mo.
Blankenburg Co., R., Ellsworth and 24th Sts., Philadelphia, Pa.
Blanks, J. C., flour mills, Woodbury, Tenn.
Blanks Lumber Co., H. B. (not Inc.), Vicksburg, Miss.
Blano Knox Co., contrs., 366 E. 30th, Chicago, Ill.
Blanton-Wyatt Lumber Co., Inc., S. Willett & Central Ave., Memphis, Tenn.
Blanton Milling Co., flour, Blake & Wash. Ave., Indianapolis, Ind.
Blaser Auto Body Co., see Globe Body Co. (successor)
Blasius Piano Co., Woodbury, N. J.
Blasius & Sons, pianos, 40 S. 16th, Philadelphia, Pa.
Blast Furnace & Steel Plant, trade publication, 108 Smithfield, Pittsburgh, Pa.
Blatch, N. S., Inc., contr., 325 W. 41st, New York.
Blatchford Calf Meal Co., Waukegan, Ill.
Blatchford Co., E. W., 230 N. Clinton St., Chicago
Blatchley, Burton N., contractor, 902 Chapel, New Haven, Conn.
Blatz Co., The, 319 S. Shelby St., Louisville, Ky.
Blauvelt Knitting Co., 144 Orange, Newark, N. J.
Blauvelt Wiley Paper Mfg. Co., 132 King, New York

BLAW-KNOX COMPANY, 681 Farmers' Bank Bldg., Pittsburgh, Pa.
Distributors:
ALA.—Anniston—Young & Vann Supply Co., P. O. Box 680.
Birmingham—Young & Vann Supply Co., 174 First Ave.
Selma—Young & Vann Supply Co., P. O. Box 328.
Tuscaloosa—Young & Vann Supply Co., P. O. Box 719.
ARIZ.—Phoenix-Pratt-Gilbert Co.
ARK.—Little Rock—Joe Lyons Machinery Co., 112-120 N. Louisiana St.
CALIF.—San Francisco—Ransome & McClelland, Monadnock Bldg., Sutter 6966.
COLO.—Denver—L. R. Grannis, 403 Chamber of Commerce Bldg., York 3101-J.
CONN.—Hartford—K. B. Noble Co., 249 Pearl St.
FLA.—Miami—I. E. Schilling Co., Schilling Bldg., 229 Sixth St.
Orlando—Kent Hazen Corp., 100 W. Amelia Ave.
GA.—Atlanta—Edgar Alexander, 905 Fourth National Bank Bldg.
Columbus—Young & Vann Supply Co., P. O. Box 472.
IA.—Davenport—Gierke-Robinson Co., 615 Kahl Bldg.
ILL.—Chicago—G. E. Hillsman Co., Peoples Gas Bldg., Harrison 5183.
IND.—Indianapolis—George W. Fife, 1403 Merchants Bank Bldg., Main 6360.
KY.—Louisville—Brandeis Machinery & Supply Co., 325 Main St., Main 330.
LA.—New Orleans—Ole K. Olson, 822 Perdido St.
Shreveport—C. A. Eby & Co.
MD.—Baltimore—Henry H. Meyer & Co., 110 S. Howard St., Plaza 4151.
MASS.—Boston—P. I. Perkins, 110 High St., Main 7123.
Waldo Bros. & Bond Co., 181 Congress St., Main 8260.
MICH.—Detroit—Goodroads Supply Co., 1409 Ford Bldg.
MINN.—St. Paul—Borchart-Ingersoll Co., 2540 University Ave., Midway 4301.
MO.—Kansas City—N. A. Coulter, 2045 Main St., Main 4586.
St. Louis—Geo. F. Smith Co., Franklin & Channing Aves., Bomont 384.
MONT.—Billings—Connelly Machinery Co.
NEBR.—Omaha—Fuchs Equipment Co., 1003 Farnam St.
N. J.—Newark—Fireproof Products Co., 424 Ferry St., Market 2165.
N. Y.—Albany—Fireproof Products Co., 68 State St.
Buffalo—H. B. Trever Co., 33 Andrews Bldg., Seneca 3864.
Long Island City—Fireproof Products Co., 582 Pierce Ave.
New York—R. E. Brooks, 50 Church St., Cortland 8983.
Fireproof Products Co., 536 E. 133rd St., Mott Haven 0500.
Syracuse—Brewster & Williams, 813 Dillaye Bldg., Warren 0677.
O.—Cincinnati—W. W. Williams Co., 511 Mercantile-Library Bldg., Main 4578.
Cleveland—Beckwith Machinery Co., 1259 Central Ave., Prospect 3263.
Building Products Co., 9500 Quincy Ave., Cedar 560.
W. W. Williams Co., 428 Union Bldg., Prospect 1322.
Columbus—Building Products Co., 67 E. Long St., Main 547.
W. W. Williams, Brunson Bldg., Main 4894.
Dayton—Building Products Co., 1028 Riebold Bldg., Main 3419.
Lima—W. W. Williams Co., 7 Superior Court, Northwest St.
Toledo—Building Products Co., Summit & Sandusky, Pontiac 217.
W. W. Williams Co., 414 Ohio Bldg.
Youngstown—J. Walker Wilson Machinery Co., 905 Mahoning Bank Bldg.
ORE.—Portland—McCracken-Ripley Bldg. Materials Co., Blake-McFall Bldg., Broadway 5747.
PA.—Philadelphia—Giles & Ransome, 1008 Commonwealth Bldg., Walnut 1964.
Pittsburgh—Beckwith Machinery Co., 500 Arch, Cedar 3688.
S. D.—Sioux Falls—Western Materials Co.
TENN.—Chattanooga—Nixon-Hasselle Co., 702 James Bldg.
Knoxville—R. L. Harris, Holston Bank Bldg.
Memphis—Brandeis Machinery & Supply Co., Builders Exchange, Main 2797.
TEX.—Dallas—W. A. Browning, 3027 Elm St.
George W. Smith Co., Central Bank Bldg.
El Paso—Steel Products Corp., Mills Bldg.
Houston—F. W. Gartner Co., 3315 McKinney Ave., Taylor 237.
UTAH—Salt Lake City—Landes & Co., 246-248 West South Temple.
VA.—Richmond—Earnest Brothers, 805 E. Franklin St.
WASH.—Seattle—Pacific Hoist & Derrick Co., 818 First Ave., South, Eliot 2311.
W. VA.—Charleston—Beckwith Machinery Co., 306 Moore Bldg.
WIS.—Milwaukee—Hunter Machinery Co., 16th St. & Viaduct, Hanover 443.
ONTARIO, Can.—East Toronto—K. W. Lewis, 105 Front St.
QUEBEC, Can.—Montreal—Watson Jack & Co., Power Bldg.
D. F.. MEXICO—Mexico—Mr. Lapum, Apartado Bix 93.

Blayney-Murphy Co., meat packers, 1540 Market, Denver, Colo.
Blaze Paint & Varnish Co., Toledo, O.
Bleach Process Co., circular cells, Dept. H, Appleton, Wis.
Bleadon-Dun Co., 213-217 S. Peoria St., Chicago.
Bleazby Bros., 31 E. Adams St., Detroit, Mich.
Blecher Bros. Co., cornices, 49 Northend Ave., Brooklyn, N. Y.
Blechner's, Albert, Sons, cornices, 677 Bergen Ave., New York
Bleecker Oil Co., W. B., Albany, N. Y.
Bleecker, Rutger, & Co., peanut oils, 80 Wall, New York.
Blefgen, Hy. J., cornices, 2227 N. 51st, Philadelphia, Pa.
Blendinger, Fred A., brick contr., 824 Spring Garden Ave., Pittsburgh, Pa.
Blepp Knitting Works, sweaters, cardigans, etc., 6324 Superior Ave., Cleveland, Ohio.
Blesanz Stone Co., Winona, Minn.
Bless & Drake, Newark, N. J.
Blessed, G. A., Lbr. Co., Burnsville, Ala.
Blessed Lumber Co., Geo. A., Selma, Ala.
Blessing, C. A., plumbers' supplies, jobbers, 516 Montgomery Ave., Philadelphia, Pa.
Blessing Electric & Mfg. Co., lemon juice extractors, 154 Whiting, Chicago, Ill.
Blessing, Emil K., musical instruments, Elkhart, Ind.
Bletiner, Geo. H., Co., piston pins, 1841 W. Jackson Blvd., Chicago, Ill.
Bleyney Machine Co., Greenfield, Mass.
Bleyer, Alfred, & Co., paper dishes, plates, etc., 229 West, New York.
Bleyle Elec. Co., 84 Courtlandt, New York.
Bleyles, J. C., leather, Gloversville, N. Y.
Blickensderfer Mfg. Co., machsts. & fndrs., typewriters, Stamford, Conn.
Blickman, Isidor, 299 Bowery St., New York.
Blickman, S., 534 Gregory Ave., New York.
Blicht, Sons & Co., caps, blasting fuse, Eagle River, Mich.
Blinn Lumber Co., L. W., Pasadena, Calif.
Blish, F. T., Hardware Co., South Manchester, Conn.
Blish Milling Co., wheat flour, Seymour, Ind.
Blish, Mize & Silliman Hardware Co., Atchison, Kan
Bliss & Co., A. H., North Attleboro, Mass.
Bliss & Co., John, 128 Front St., New York.
Bliss & Laughlin, Inc., Harvey, Ill.
Bliss & Lyon, see Bliss, Duane L., Jr. (successor).
Bliss & Van Auken Lbr. Co., Saginaw, Mich.
Bliss Bros., hdwe. mfrs. (marine), 170 Commercial, Boston, Mass.

BLISS COMPANY, E. W., 53rd St. & Second Ave., Brooklyn, N. Y.
Branch Offices:
CONN.—New Haven—F. D. Beattie, 129 Church St., Colony 6515.
ILL.—Chicago—1421 London Guarantee & Accident Bldg.
MICH.—Detroit—W. Hodson, Jr.; C. A. Cheney; A. C. Berges; 2117 Dime Bank Bldg., Cadillac 4596—Cherry 3724.
N. Y.—Rochester—E. A. Irwin, 506 Times-Union Bldg. Stone 6271.
O.—Cincinnati—H. W. Rankin, 1006 Union Trust Bldg., Main 4498.
Cleveland—S. J. Thomas, L. H. Carter, 1925 Cleveland Discount Bldg., Main 2968-2969.
PA.—Philadelphia—513 Pennsylvania Bldg.
Pittsburgh—H. V. Tressler, 318 Oliver Bldg., Grant 1486.
Foreign Offices:
ENG.—Birmingham—Navigation St.
London, S. E.—Pocock St. & Blackfriz
FRANCE—Paris—100 Boulevard Victo
Owen Sur Seine.

Plants:
NEB.—Hastings—J. P. Rentschler Works. H. D. Cook, Engr. Dept., J. McKnight, Supt., A. Powell, F. E. Adair, O. Haavind.
O.—Cleveland—Cleveland Mch. & Mfg. Co., R. Grant, Works Mgr., L. R. Rogers, K. F. Dailey, Eng. & Salesman.
Salem—Buckeye Engine Co., A. B. Haslam, Works Mgr., J. M. Stark, Off. Mgr.

Bliss, C. P., Auto Top Co., slip covers, 1351 Court pl., Denver, Colo.
Bliss, Duane L., Jr., machy. dlrs., Rialto bldg., San Francisco, Cal.
Bliss, E. A., Co., table silverware, Meridian, Conn.
Bliss, R. W., Co., radio app., Atlantic, Mass.
Bliss Supply Co., 1277 W. 9th st., Cleveland, O.
Blitch, T. N., turpentine, Blitchton, Ga.
Blitz Bros., show cases, 5935 Lowe Ave., Chicago, Ill.
Blitz, L., crude rubber, 8 Bridge, New York.
Bliven & Carrington, lubrg. oils, 29 Moore, New York.
Bloch Bros., carriages, Mobile, Ala.
Bloch Bros., machinery dlrs., Selma, Ala.
Bloch Chemical Co., 78 5th Ave., New York.
Block Go-Cart Co., 1136 American, Philadelphia, Pa.
Bloch, Inc., Joseph, 51 Cliff St., New York.
Bloch, Jos., Co., cornices, 90 Bushwick Ave., Brooklyn, N. Y.
Bloch, L. D., & Co., paper shades, 39 E. 18th, New York.
Blocher, D., & Co., fertilizer mfrs., Gettysburg, Pa.
Block Brass Foundry Co., Inc., bushing, gun metal & phosphor bronze castings, 760 23d Ave., Oakland, Cal.
Block Gas Mantle Co., thorium nitrate, arc lamps, etc., Youngstown, Ohio.
Block, H. & L., leather gloves, 149 2nd, San Francisco, Cal.
Block, Mandel & Co., plumbers' supplies, 1151 W. Roosevelt, Chicago, Ill.
Block Mfg. Co., 1751 Fulton St., Chicago.
Blocki-Brennan Refining Co., 3300 W. 31st St., Chicago.
Blocki, F., Co., agricultural impl., Sheboygan, Wis.
Blocksidge, Jas., glass stainers, 2 High, Albany, N. Y.
Blocksom & Co., curled hair, Michigan City, Ind.
Blodgett Lumber Co., Spokane, Wash.
Blodgett & Clapp Co., Hartford, Conn.
Blodgett & Orswell Co., cotton thread, Pawtucket, R. I.
Blodgett, B. F., & Co., celluloid combs, Leominster, Mass.
Blodgett, C. L., Mfg. Co., sash weights, 2105 Lincoln Ave., Alameda, Cal.
Blodgett Co., Inc., The G. S., Burlington, Vt.
Blodgett, F. E., & Sons Co., lbr., Concord, N. H.
Blodgett-Holmes Co., buckwheat & rye flour, Janesville, Wis.
Bloede, Victor G., Co., dextrine, Caton Ave., Baltimore, Md.
Bloedel, Donovan Lbr. Mills, Bellingham, Skykomish & Henry bldg., Seattle, Wash.
Blohme Milling Co., flour, Charleston, S. C.
Blom, Peter H. C., soap, Keokuk, Iowa.
Blome-Sinek Co., 139 N. Clark St., Chicago.
Bloker Lumber Co., Lindsey, Ohio.
Blomfeldt & Rapp Co., 108-128 N. Jefferson St., Chicago.
Blomquist-Eck Machine Co., 1146 E. 152d St., Cleveland, O.
Blonck, W. A., & Co., boiler efficiency meters, 155 N. Clark, Chicago, Ill.
Blood Bros. Machine Co., Allegan, Mich.
Blood, T. L., & Co., paints for coating, wood fillers, 413 Wacouta, St. Paul, Minn.
Bloom & Godley Co., mattresses, Trenton, N. J.
Bloom-Burns Mfg. Co., machinists, Freeport, Ill.
Bloom Co., Alfred, Omaha, Neb.
Bloom Co., Inc., Abram, Paterson, N. J.
Bloom Flusher Co., Tiffin, Ohio.
Bloom, H. T., & Co., overalls, Peoria, Ill.
Bloom, J. F., & Co., stone, Omaha, Neb.
Bloom, Max, & Co., cans, tanks, vats, etc., 1147 Mission, San Francisco, Cal.
Bloom Mfg. Co., agricultural implements, Nashua, Ia.
Bloom, Percy, & Co., cornices, 172 Adams, Brooklyn, N. Y.
Bloom, W., & Co., scrap iron, Williamsport, Pa.
Bloom, William, & Co., Inc., sweaters, 38 E. 30th, New York.
Bloomberg, Sam'l, glass, Hoboken, N. J.
Bloomer Lime Co., 406 E. 149th, New York.
Bloomer Mach. Wks., Bloomer, Wis.
Bloomer Mill Co., flour, Bloomer, Wis.
Bloomfield, B. A., 159 N. State St., Chicago.
Bloomfield Brick Co., Bloomfield, Ind.
Bloomfield Clay Co., Metuchen, N. J.
Bloomfield Mfg. Co., mchsts. & fndrs., Bloomfield, Ind.
Bloomfield Mill Co., Bloomfield, Ky.
Bloomingdale Milling Co., flour, Bloomingdale, Mich.
Bloomingdale Rubber Co., 501 Fifth Ave., New York.
Bloomington-Bedford Stone Co., Bloomington, Ind.
Bloomington Canning Co., Bloomington, Ill.
Bloomington Constr. Co., Bloomington, Ill.
Bloomington Crushed Stone Co., Bloomington, Ind.
Bloomsburg Brick Co., Bloomsburg, Pa.
Bloomsburg Car Mfg. Co., mchsts. & fndrs., Bloomsburg, Pa.
Bloomsburg Paper Co., Bloomsburg & Lightstreet, Pa.
Bloomsbury Graphite Co., Bloomsbury, N. J.
Bloss, O. J., archl. iron, 243 Monitor, Brooklyn, N. Y.
Blossom Bros., sash, door & blind, 159 N. Second, New Bedford, Mass.
Blossom Oil & Cotton Co., meal, Blossom, Tex.
Blossom-Provine Lumber Co., Seattle, Wash.
Blount & Co., J. J., Birmingham, Ala.
Blount Carriage & Buggy Co., East Point, Ga.
Blount Co., J. G., Woodland St., Everett, Mass.
Blount-Decker Lumber Co., Alto, Tex.
Blount Engineering Co., 100 High St., Boston, Mass.
Blount, F. M., Constr. Co., Pensacola, Fla.
Blount Plow Works, 1128 E. Illinois St., Evansville, Ind.
Blue Ball Mach. Wks., gas engines, Blue Ball, Pa.
Blue Bell Overall Co., Greensboro, N. C.
Blue Bird Furniture Mfg. Co., 5607 Santa Fe Ave., Los Angeles, Cal.
Blue Diamond Materials Co., Inc., gypsum, lime, stucco, etc., 2200 E. 16th, Los Angeles, Cal.
Blue Earth City Mill Co., flour, Blue Earth, Minn.
Bluefield Hardware Co., Bluefield, W. Va.
Bluefield Supply Co., hdwre. & mill supplies, Bluefield, W. Va.
Blue Flame Burner Co., 66½ 6th, Portland, Ore.
Blue Flame Distillate Burner Co., 330 Mountain View Ave., Pasadena, Cal.
Blue Grass Lumber Co., Lexington, Ky.
Blue Grass Milling Co., flour, Campbellsburg, Ky.
Blue Hill Quarry Co., West Quincy, Mass.
Blue Jay Lbr. Co., Blue Jay, W. Va.
Blue Jay Mfg. Co., overalls, 5th Ave. & 15th, Huntington, W. Va.
Blue, J. J., & Son, woolen blankets, Ettrick, Wis.
Blue Label Safety Squib Co., Plymouth, Pa.
Blue Limestone Co., Broadway & K, Minneapolis, Minn.
Blue Mountain Slate Co. (not Inc.), Slatington, Pa.

Blue Print Co., 101 Park Ave., New York.
Blue Ribbon Body Co., 1720 Fairfield Ave., Bridgeport, Conn.
Blue Ribbon Paint Co., 2321 Main, Wheeling, W. Va.
Blue Ridge Cotton Oil Co., meal, Travelers Rest, S. C.
Blue Ridge Lime Co., Asheville, N. C.
Blue Ridge Locust Pin Co., Dillsboro, N. C.
Blue Ridge Marble Co., Nelson, Ga.
Blue Ridge Overall Co., Roanoke, Va.
Blue Ridge Talc Co., Henry, Va.
Blue Seal Cleansers, Inc., drain pipe solvents, 657 11th Ave., New York.
Blue Seal Products Co., moving picture machy., 27 Lafayette Ave., Brooklyn, N. Y.
Blue Seal Supply Co., machy., 12 Port, Boston, Mass.
Blue Stone Land & Lumber Co., Ridgway, Pa.
Blue Trap Rock Co., Little Rock, Ark.
Blue Valley Mfg. Co., machsts, & fndrs., Manhattan, Kans.
Blue Valley Slate Mfg. Co., Slatington, Pa.
Blue Vein Slate Co., Slatington, Pa.
Bluff City Mills, Inc., flour, Bluff City, Tenn.
Bluffs City Lumber & Coal Co., Council Bluffs, Ia.
Bluffton Anchor Co., Bluffton, Ohio.
Bluffton Mfg. Co., washing mach., Bluffton, Ohio.
Bluffton Stone Co., Lima, Ohio.
Bluford, I., & Co., machy. dealers, 501 N. 15th, Richmond, Va.
Bluine Mfg. Co., laundry blue, Dept. H, Concord, Mass.
Blum & Co., Julius, 532-540 W. 22nd St., New York.
Blum & Dilbridge, stone producers, Amherst, Ohio.
Blum, Albert, cornices, 4244 Allison, Norwd., Cincinnati, Ohio.
Blum, Ben, & Co., wholesale hardware, Galveston, Tex.
Blum Hardware Co., Galveston, Tex.
Blum Mfg. Co., cow & sheep bells, Collinsville, Ill.
Blum, R., chamois importers, sponges, 112 High, Boston, Mass.
Blum Roller Mills, flour, Blum, Tex.
Blum Shoe Mfg. Co., felt boots, Dansville, N. Y.
Blum's Advertising Agency, mail advertising in all its branches, 20 Jones, San Francisco, Cal.
Blum's Commercial Map Publishing Company, 3 West 29th St., New York.
Blumberg Electric Co., Morris, 142 E. Jefferson St., Detroit, Mich.
Blumberg, L., scrap rubber, 335 N. 4th, Philadelphia, Pa.
Blumberg, W. L., & Co., wholesale hdwe., 31 Warren, New York.
Blume, H., & Son, scrap iron & steel, 536 Myrtle Ave., Brooklyn, N. Y.
Blumenkrohn, L., & Co., buttons, 13 W. 27th, New York.
Blumenstock & Reid Co., meat packers, 3261 W. 65th, Cleveland, Ohio.
Blumenthal & Co., F., 43 W. 36th St., New York.
Blumenthal & Co., H., 241-5 Centre St., New York.
Blumenthal & Co., Inc., Sidney, Shelton, Conn.
Blumenthal, B., & Co., buttons, 353 4th Ave., New York.
Blumenthal Bros. Co., 115 W. Lake St., Chicago.
Blumenthal, H. G., Co., cornices & skylights, Provo, Utah.
Blumenthal-Kahn Elec. Co., elec. supplies, 518 N. Charles, Baltimore, Md.
Blumer, A. M., bone black, 433 California, San Francisco, Cal.
Blumer, Adam, mach. & fndr., Moss Point, Miss.
Blumer-Sartain Packing Co., meat packers, Columbus, O.
Blundell & Son, feed water regulators, 601 E. 3rd, Los Angeles, Cal.
Blundon & Hinton, canned goods, Reedville, Va.
Blundon & Margie, electric contractors, 2000 Telegraph Ave., Oakland, Cal.
Bly Stone Co., granite, etc., 1985 E. 16th, Los Angeles, Cal.
Blymer Bros. Co., tin plate, metals, Mansfield, Ohio.
Blymer Iron Works Co., 2933 Spring St., Cincinnati, O.
Blystone, F. M., mattresses, Elmira, N. Y.
Blystone Mfg. Co., 1000 Ironton St., Cambridge Springs, Pa.
Blystone, W. C., & Son, lumber, Cambridge Springs, Pa.
Blystone, W. I., & Sons, mattresses, Jamestown, N. Y.
Blyth, E. J., buckwheat flour, Walworth, N. Y.
Blythe Bros. Co., contrs., 506 Brevard, Charlotte, N. C.
Blytheville Cooperage Co., Blytheville, Ark.
Boardman, & Gray, pianos, Albany, N. Y.
Boardman Co., The, W. Maple St., Oklahoma City, Okla.
Boardman, E. A., & Sons, lumber, Thorp, Wis.
Boardman, F. E., fertilizer mfrs., Middletown, Conn.
Boardman, Robt., Co., machsts., Oil City, Pa.
Boardman Stamp Co., Chamber of Commerce Bldg., Toledo, O.
Boas & Co., Wm., 1427 Vine St., Philadelphia, Pa.
Boas Thread Co., Stamford, Conn.
Boatwright Furniture Co., Dept. H, Danville, Va.
Boaz Cotton Oil Co., Boaz, Ala.
Boaz Mfg. Co., Eau Claire, Wis
Boaz Milling Co., flour, Boaz, W. Va.
Bobb, Peter E., & Co., lbr. mfrs., Thorp, Wis.
Bobbitt, James H., flour mills, Valley Oak, Ky.
Bobe, P., Glass Wks., tubes & syringes, 2711 Lemp Ave., St. Louis, Mo.
Bobrick Chemical Co., Los Angeles, Cal.
Bock Bearing Co., The, Toledo, O.
Bock Equipt. Co., contrs.' & mill & facty. supplies, 1900 Northwestern Ave., Indianapolis, Ind.
Bock, Leo, scrap iron, Olean, N. Y.
Bock, M., & Son, scrap iron & steel, Morgan Bldg., Buffalo, N. Y.
Bock-Walker Co., wholesale hardware, Battle Creek, Mich.
Bockius, C., Co., kid, Willow & American, Philadelphia, Pa.
Bocklet Supply Co., Xenia, O.
Bocklett-King Co., mill & facty. supplies, Xenia, Ohio.
Bockstege Furniture Co., 301 W. Frank St., Evansville, Ind.
Bodach, Chas., & Sons, show cases, 314 S. Franklin, Chicago, Ill.
Bodcaw Lumber Co., Stamps, Ark.
Bode Wagon Co., 1655 Central Ave., Cincinnati, O.
Bodenstein & Kuemmerle, Inc., Lawrence St. and Girard Ave., Philadelphia, Pa.
Bodenstein, J. G., & Co., ice picks, planers, plows, etc., Staatsburg, N. Y.
Bodine Electric Co., 2254 W. Ohio St., Chicago.
Bodine Hdwe. Co., 13 Mechanic, Bradford, Pa.
Bodine Roofing Co., Mansfield, Ohio.
Bodine-Spanjer Co., backgrounds for show windows, 1160 Chatham Court, Chicago, Ill.

BODINSON MFG. CO., conveyors, screen, etc., 11 Minna, San Francisco, Cal.

Bodmer, A. W., stone producer, Portsmouth, Ohio.
Bodt, W. A., canned goods, Churchville, Md.
Bodwell Counter Co., Haverhill, Mass.
Bodwell Granite Co., Rockland, Me.
Boebinger Hardware & Supply Co., 315 E. Pearl, Cincinnati, Ohio.

BOECKELER LUMBER COMPANY, 3500 N. HALL St., St. Louis, Mo.
Chicago—332 S. Michigan Ave., F. F. Gruninger.
St. Louis, Mo.—H. A. Boeckeler, Sales Director; H. Whitaker, Railroad & Mfrs. Trade; W. P. Boeckeler, Industrial Trade; C. J. Haselhorst, City Sales Mgr.; A. L. Schaefering, Lumber Dealers Trade; C. H. Obrock, Contractors Trade; R. H. Clement, Branch Manager.
Four Yards in St. Louis.

Boedthcher, Franz A., elev. safety devices, 442 W. 42nd, New York.
Boedicker Photo-Litho Machine Corp., 507 Fifth Ave., N. Y.
Boehck-Lueck Mchy. Co., metal specialties & door springs, 71 W. Water, Milwaukee, Wis.
Boehm, C. A., & Son, carriages, Camden, N. Y.
Boehm, Christian C., Inc., lamps, Rochester, N. Y.
Boehm, Fred'k, Ltd., olive oils, 45 Park Pl., New York.
Boehm, H., & Co., incandescent miniature lamps, Youngstown, Ohio.
Boehm, J. K., foundry sand, Huron, Ohio.
Boehme & Rauch Co., Monroe, Mich. (Now Consolidated Paper Co.)
Boehmer, A. L., paint, Covington, Ky.
Boehmer, Chas., & Son, contractors, 1904 Gang, Pittsburgh, Pa.
Boeing Airplane Co., Seattle, Wash.
Boekel & Co., Wm. 518 Vine St., Philadelphia, Pa.
Boerum Knitting Mills, sweaters, cardigans, etc., 8402 18th Ave., Brooklyn, N. Y.
Boes & Higman, contrs., Wyanet, Ill.
Boesch Lamp Co., 962 Mission St., San Francisco, Cal.
Boesch Mfg. Co., machsts., Danbury, Conn.
Boeseke-Dawe Co., cornices & skylights, Santa Barbara, Cal.
Boettcher, Edward, lbr., Westfield, Texas.
Boetticher & Kellogg Co., wholesale hdwe., machsts.' tools, 1 Fulton Ave., Evansville, Ind.
Boettiger, Louis A., Co., key chains, cream dippers, tweezers, 48 Leonard, New York.
Boettler, Fred, carriages, 1619 Clara, St. Louis, Mo.
Bofinger Bros., 146 E. 42nd St., New York.

BOGALUSA PAPER CO., INC., Arcade Bldg., St. Louis, Mo.

BOGALUSA TURPENTINE CO., Bogalusa, La.

Bogard, A., scrap iron & steel, 23 S. 2nd, Terre Haute, Ind.
Bogard, Noah, contr., Washington, Ind.
Bogardus & Knisely Lab., see Northwest Testing Lab. (successor)
Bogart, A. L., Co., elec. burners, torches, clocks, etc., 56 Park Pl., New York.
Bogart, J. S., contractor, Mills Bldg., San Francisco, Cal.
Bogart Piano Co., Willow Ave. & E. 135th, New York.
Bogert & Carlough Co., Paterson, N. J.

BOGERT & HOPPER, 57 Barclay St., New York

Boggis-Johnson Electric Co., 346 E. Water St., Milwaukee, Wis.
Boggs Auto Supply Co., Ft. Dodge, Iowa.
Boggs Broom Corn Co., 1206 N. Main, St. Louis, Mo.
Boggs Mfg. Corp., Atlanta, N. Y.
Bogota Paper & Board Co., Bogota, N. J.
Bogota Plumbing Supply Co., Bogota, N. J.
Bogue, Chas. J., Elec. Co., 132 King, New York.
Bogue Supply Co., Salt Lake City, Utah.
Bogue-Wensley Lead Co., 1519-18th St., Denver, Colo.
Bohan, E. R., & Co., enamels, paints & varnish, 130 E. 9th, Los Angeles, Cal.
Bohannan, Inc., Wilson, 760 Lexington Ave., Brooklyn, N. Y.
Bohem, A. & G., cornices, 18th & Wabash, Philadelphia, Pa.
Bohem Mfg. Co., window ventilators, 15th & Federal, Philadelphia, Pa.
Bohemia Lbr. Co., Dorena, Oregon.
Bohemian Pottery Co., Zanesville, Ohio.
Bohlsen Mfg. Co., H. G., Ewing, Tex.
Bohm Cabinet Co., 400 Orchard St., Rochester, N. Y.
Bohm Roofing & Cornice Co., Norfolk, Va.
Bohm & Stuhr, sash, door & blind, Broadway & W. & L. E. R. R., Cleveland, Ohio.
Bohn Foundry Co., Chas. B., 3651 Hart St., Detroit, Mich.
Bohn Refrigerator Co., 1340 University Ave., St. Paul, Minn.
Bohn Roofing & Cornice Co., Norfolk, Va.
Bohn, W. G., 273 Hawthorne Ave., Portland, Ore.
Bohner, M. J., see Bohnert Sheet Metal & Roofing Co. (successors)
Bohnert Sheet Metal & Roofing Co., 516H 11th Ave., Miami, Fla.
Bohnet, Jno., & Co., auto tops, Lansing, Mich.
Bohnhoff, C. W., lumber, 1500 S. Alameda, Los Angeles, Cal.
Bohr, Geo., & Sons, see Floyd Saddlery Co. (successors)
Boicourt Machine Co., fndrs., 93 Fort Worth, Tex.
Boig & Hill, steam fitters' supplies, 180 Washington, New York.
Boiler & Radiator Sales Co., steam fitters' supplies, 126 W. Kinzie, Chicago, Ill.
Boiler-Kote Co., 608 S. Dearborn St., Chicago.
Boiler Maker, trade publication, 30 Church St., New York.
Boiler Room Improvement Co., smoke indicators, 549 W. Washington Blvd., Chicago, Ill.
Boiler Specialties Supply Co., 5 Pleasant St., Worcester, Mass.
Boiler Tank & Pipe Co., 4061 Hollis, Emeryville, Cal.

BOILER TUBE CO. OF AMERICA, 1228 Park Bldg., Pittsburgh, Pa.
Pres.—Marcus Boyd.
Sec. & Treas.—F. B. Rambo.
Chicago—1168 Peoples Gas Bldg.
New York—103 Park Ave.

Bois D'Arc Canning Co., Bois D'Arc, Mo.
Boise Butcher Co., Ltd., Boise, Idaho.
Boise Iron Wks. & Fndry. Co., Boise, Idaho.
Boise Payette Lumber Company, Boise, Idaho.
Boise Valley Packing Co., meat, Eagle, Idaho.
Boissier Elec. Co., 205 W. 19th, New York.
Boitnott, C. C., & Sons, canned goods, Naffs, Va.
Boker & Co., Inc., H., 101 Duane St., New York.
Boker Cutlery & Hardware Co., Inc., 101 Duane, New York.
Bokern, F. T., stove mfrs., 217 Market, St. Louis, Mo.
Boland & Co., C. P., Troy, N. Y.
Boland Bros., contractors, 427 Spruce, Scranton, Pa.
Boland Const. Co., 53 W. Jackson, Chicago, Ill.
Boland Construction Co., Jno. V., Chemical Bldg., St. Louis, Mo.
Boland, Jas., Rendering & Fertilizing Co., Jackson, Mich.
Boland Machine & Mfg. Co., New Orleans, La.
Bolander, L. Ph., & Son, 954 Bryant, San Francisco, Cal.
Bolce, Louis H., & Co., paint mfrs., 2435 Gilbert Ave., Cincinnati, Ohio.
Bolcom, Canal Lumber Co., cedar shingles, Seattle, Wash.
Bold, Wm. M., mchsts., Decatur, Ill.
Boldt Co., Chas., Cincinnati, O.
Boldt, Construction Co., The, 1969 E. 70th St., Cleveland, Ohio.
Boldt, George, machsts. & fndrs., Tinley Park, Ill.
Bolduc, Leander, contractor, 579 Middle, Fall River, Mass.
Bole Pump Co., 2708 Santa Fe Ave., Los Angeles, Cal.
Boley, C. H., Co., size, turpentine, varnish, etc., 3722 N. Randolph, Philadelphia, Pa.
Bolger-Meyer Mach. & Tool Co., coupling shaft, 59-65 McWhorter & Bruen, Newark, N. J.
Bolinders Company, Inc., 30 Church St., New York.
Bolinger & Co., Ltd., S. H., Shreveport, La.
Bolin-Hall Grain Co., Hutchinson, Kans.
Boliver Fdry. & Mach. Co., Bolivar, Pa.
Boll, E. R., Lbr. Co., Hot Springs, Ark.
Boller, Chas., & Sons Co., sash, door & blind mfrs., lbr., 379 Chicago, Buffalo, N. Y.
Boller, Peter, Mach. Wks., 124 N. Curtis, Chicago, Ill.
Bollerman, Arthur M., pianos, 337 E. 133rd, New York.
Bolles, E. E., & Co., lumber, Coleman, Wis.
Bolles, Wm. B., 120 Clinton St., Milwaukee, Wis.
Bollinger-Andrews Construction Co., Empire Bldg., Pittsburgh, Pa.
Bollinger Bros., see Pittsburgh Coal Washer Co. (successors)
Bollinger, J. D., cornices, Bakersfield, Cal.
Bollmann, Wilson, Fdry. Co., 506 E. Front, Cincinnati, Ohio.
Bollwerk, H., & Bros., auto. wood bodies, tank wagons, St. Louis, Mo.
Bologh Skylight & Gravity Ventilator Co., 200 5th Ave., New York.
Bolster Bros., stone producers, Ephrata, Pa.
Bolster, J. W., carriages, Peabody, Mass.
Bolte, Ben., & Son, Lbr. Mfrs., Ferdinand, Ind.
Bolte, Chas., Sales Organization, furniture, 469 7th Ave., New York.
Bolte Mfg. Co., incandescent portable lamps, 231 N. Desplaines, Chicago, Ill.
Bolte Mfg. Co., Kearney, Neb.
Bolter's, A., Sons, fndrs., 2301 Ward, Chicago, Ill.
Bolton Bros., mill & facty. supplies, 416 E. Pratt, Baltimore, Md.
Bolton, F. D., canned goods, Fincastle, Va.
Bolton, H. L., canned goods, Troutville, Va.
Bolton, John W., & Sons, Inc., machine knives, bed plates, paper & pulp mill machinery, Lawrence, Mass.

BOLTON, MEEK & WEARSTLER, 210-211 Hippodrome Bldg., Youngstown, O.

Bolton-Pratt Co., contractors, Columbia Bldg., Cleveland, Ohio.
Boltz, B. F., Mfg. Co., paper roll & wooden plugs, Winchester, Ind.
Bolyard, Nelson, flour mills, Marquess, W. Va.
Bolz Cooperage Corp., 821 Clinton, St. Louis, Mo.
Bolz, McBride, Cooperage Co., Title Guaranty Bldg., St. Louis, Mo.
Bomar, B. F., machsts., Spartanburg, S. C.
Bombayreed Willow Furniture Co., 5155 Wakefield, Philadelphia, Pa.
Bomer-Blanks Lumber Co., Blanks, La.
Bomer Bros., Brownsville, Tenn.
Bomgardner Mfg. Co., invalid chairs, 1384 Hird Ave., Cleveland, Ohio.
Bommer Spring Hinge Co., 263 Classon Ave., Brooklyn, N. Y.
Bonafide Mfg. Co., gaff hooks, minnows, etc., Plymouth, Mich.
Bon Air Coal & Iron Corp., 400 N. Michigan Ave., Chicago.
Bon Air Coal & Iron Corp., Stahlman Bldg., Nashville, Tenn.
Bon Ami Co., Inc., The, 17 Battery Place, New York.
Bonar, James, & Co., Inc., steam spec., Park Bldg., Pittsburgh, Pa.
Bonar, Thomas, & Co., Ltd., burlap, 350 Broadway, New York.
Bonas, E., & Sons, mchsts. & fndrs., Coulterville, Ill.
Bonazzi & Bonazzi, granite, Montpelier, Vt.
Bond-Foley Lumber Co., Bond, Ky.
Bond, Alfred J., lumber, Bradford, Pa.
Bond, B. F., Paper Co., blankets, 33 S. Hanover, Baltimore, Md.
Bond Bros., paper carton mach'y, Ednor, Md.
Bond Bros., ties lumber, Elizabethtown, Ky.

BOND CO., CHARLES, 617-619 Arch St., Philadelphia, Pa.

Bond, E. W., Co., lumber, Lake Helen, Fla.
Bond-Foley Lumber Co., Bond, Ky.

BOND FOUNDRY & MACHINE CO., Manheim, Lancaster County, Pa.
Pres.—Charles Bond.
V. P.—C. Carter Bond.
Sec. & Treas.—M. F. Bond.
Managing Director—M. T. Williams.
Distributors:
ALA.—Birmingham—Smith-Meadows Sup. Co.
Young & Vann Supply Co.
Mobile—Standard Equipment Co.
Montgomery—Teague Hardware Co.
CALIF.—Los Angeles—R. M. Hartwell Co., 329 E. 2nd St., Main 300.
San Diego—Machinery, Pipe & Supply Co.
San Francisco—Howe Scale Co., 118 4th St., Karny 31.
COLO.—Denver—M. J. O'Fallon Supply Co. 1625 15th St., Main 6530.
CONN.—Bridgeport—Hunter & Havens.
Hawley Hardware Co.
Hartford—Stacy, Robinson & Williams.
New Haven—N. T. Bushnell & Co.
Waterbury—Charles Templeton, Inc.
DIST. OF COL.—Washington—Barber & Ross, 11th & Gnw., Main 628.
National Electrical Supply Co., 1330 N. Y. Ave., Main 6800.
FLA.—Jacksonville—Cameron & Barkley Co.
Farquhar Machinery Co.
Tampa—Cameron & Barkley Co.
GA.—Atlanta—J. M. Tull Rubber & Supply Co.
Cartersville—Lumpkin Hardware Co.
Macon—Corbin Supply Co.
Rome—Battey Machinery Co.
IDAHO—Boise—Baxter Foundry & Machine Works.
ILL.—Bloomington—B. S. Constant Mfg. Co.
Chicago—Harris Bros. Co., 35th & Iron Sts., LaFayette 1900.
Passman Bros., 701 Washington Blvd., Monroe 6960.
Reeves Bond Sales Co., 39 S. Clinton, Main 2048.

(Continued on following page)

B

BOND CO., CHARLES—Continued.
Decatur—Leader Iron Works.
Freeport—Freeport Hardware Co.
Galesburg—Galesburg Machine Works.
The P. & M. Co.
Peoria—Cummings & Emerson.
Quincy—Illinois Mfg. & Sup. Co.
Rockford—Rockford Supply & Equip. Co.
Swords Bros. Co.
Rock Island—L. R. Mace Co.
Streator—Williams Hardware Co.
IND.—Evansville—Evansville Supply Co.
Fort Wayne—Fort Wayne Iron Store Co.
Fort Wayne Oil & Supply Co.
Wayne Hardware Co.
Hammond—McLaughlin Mill Supply Co.
Indianapolis—Van Camp Hardware & Iron Co.
Kokomo—Kokomo Supply Co.
Marion—Marion Hardware Co.
South Bend—Manufacturers Tool & Supply Co.
Terre Haute—Power Supply Co.
Wabash—F. J. Rettig & Sons.
IA.—Des Moines—Baker Machinery Co.
Dubuque—E. J. Voggenthaler Co.
Marshalltown—Fisher Supply Co.
KANS.—Hutchinson—Nelson Mfg. & Supply Co.
Wichita—White Star Co.
KY.—Louisville—Neil La Vielle Supply Co.
Owensboro—E. G. Cain & Co.
LA.—Alexandria—Brown-Roberts Hdwe. & Supply Co.
Monroe—Weaks Supply Co.
New Orleans—Coe Belting & Supply Co.
Oliver H. Van Horn Co.
ME.—Bangor—Snow & Neally Co.
Lewiston—Carmen Thompson Co.
MD.—Baltimore—L. A. Benson Co., Inc.
Carey Machinery & Supply Co.
H. E. Crook Co., Inc.
John Duer & Sons, Inc.
Industrial Supply Co.
Kemp Machinery Co.
W. H. Whiting Co.
Cumberland—Merwin McKaig.
Salisbury—L. W. Gunby Co.
Smith & Williams Co.
MASS.—Attleboro—Brownell Hdwe. Co.
Boston—Lewis Shepard Platform Corp., 566 First, South Boston 2300.
Lewis E. Tracy, 127 Broad, Congress 1836.
Falls River—Jefferson Borden & Son.
Covel & Osborn Co.
Fitchburg—Fitchburg Hdwe. Co.
Lawrence—Treat Hdwe. & Supply Co.
Lowell—Thompson Hdwe. Co.
New Bedford—Babbitt Steam Specialty Co.
Peabody—A. Whidden & Son, Inc.
Pittsfield—Berkshire Mill Supply Co.
Springfield—W. J. Foss Co.
E. S. Stacy Supply Co.
Taunton—Pierce Hdwe. Co.
Worcester—Brierly-Lombard Co.
MICH.—Detroit—William Pike Co., 819 Woodward, Cherry 7712.
Grand Rapids—Hayden Supply Co.
F. Rainville Co.
Howell—R. E. Barron.
Jackson—Smith-Winchester Co.
Kalamazoo—Edwards & Chamberlain Hardware Co.
Menominee—Northern Hardware Supply Co.
Muskegon—Lake Shore Machinery Co.
Peoples Hardware Co.
MINN.—Minneapolis—G. P. Derickson Co., 23 S. 4th St., Main 0010.
Power Equipment Co.
St. Cloud—St. Cloud Iron Works Co.
MO.—Kansas City—The Feath Co.
St. Louis—E. M. & W. Engineering Co.
MONT.—Butte—Western Iron Works.
Great Falls Iron Works.
NEBR.—Lincoln—Baker Hardware Co.
Rees Machine & Motor Co.
Omaha—John Day Rubber & Supply Co.
James Morton & Son Co.
N. H.—Manchester—E. P. Cornish.
J. B. Varick.
Nashua—Hill Hardware & Paint Co.
N. J.—Atlantic City—Currie & Co.
Jersey City—Ernest A. Gibbons.
Newark—William S. Roe.
Passaic—H. W. Mills & Co.
New Engineering & Supply Co.
Paterson—H. W. Mills.
Perth Amboy—Perth Amboy Hardware Co.
N. Y.—Albany—Sagar & Spuck Supply Co.
Amsterdam—John E. Larrabee Co., Inc.
Binghamton—Charles Millar & Son Co.
Buffalo—Beals, McCarthy & Rogers, Inc., 50 Terrace, Seneca 2820.
Elmira—Irving D. Booth Inc.
Horton Machine Works.
Hudson—Jones & Hardy.
Jamestown—Anderson Bros.
C. A. Lundquist.
New York—Bond Foundry & Machine Co., 173 Lafayette St., Canal 5429.
Manning, Maxwell & Moore, Inc., 100 E. 42nd St. Vanderbilt 6120.
Power Transmission Co., 101 Lafayette St., Canal 5429.
Rochester—Cross Bros.
John M. Forster Co.
Sidney B. Reby Co.
Syracuse—Syracuse Supply Co.
Troy—A. J. Cady.
Utica—Charles Millar & Son Co.
N. C.—Asheville—Asheville Supply & Foundry Co.
Charlotte—Textile Mill Supply Co.
Gastonia—Gastonia Mill Supply Co.
Greensboro—Odell Mill Supply Co.
High Point—Beeson Hardware Co.
New Bern—D. L. Latta Hardware Co.
Raleigh—Dillon Supply Co.
Wilmington—M. Jacobi Hdwe. Co.
Winston Salem—Kester Machinery Co.
OHIO—Canton—Scioto Valley Supply Co.
Cincinnati—Schellinger Hdwe. Co.
Cleveland—Howe Scale of Ill.
Mau-Sherwood Supply Co.
Strong, Carlisle & Hammond Co.
Columbus—Osborne & Sexton Machinery Co.
Dayton—M. D. Larkin Supply Co.
Klinger-Dills Co.
Marietta—Pattin Bros. Co.
Newark—Universal Supply Co.
Piqua—Angle Hdwe. Co.
St. Marys—Jasperson Supply Co.
Springfield—Vulcan Hdwe. Co.
Ross-Willoughby Co.
Springfield Hdwe. Co.
Toledo—Bostwick-Braun Co.
OKLA.—McAllister—Union Iron Works.
Tulsa—Machinery & Supply Co.
PA.—Allentown—Allentown Reed, Harness & Mill Supply Co.
Christiana—Christiana Machine Co.
Harrisburg—Henry Gilbert & Son.

BOND CO., CHARLES—Continued.
Hazelton—Hazelton Machinery & Supply Co.
Johnstown—Swank Hardware Co.
Lancaster—Cummings, Bevis & Levan.
Philadelphia—Chas. Bond Co., 617 Arch St., Market 3990.
Pittsburgh—Colonial Supply Co., 217 Water, Court 1042.
Pittsburgh Gage & Supply Co., 30th & Liberty, Grant 6600.
Tranter Mfg. Co., 105 Water, Court 0600.
Pottsville—Geo. Bright Hardware Co.
Reading—Bright & Co.
Scranton—Bittenbender Co.
Warren—Barnhardt-Davis Co.
York—Fulton, Mehring & Hauser Co.
P. A. & S. Small Co.
R. I.—Providence—Brownell Machinery Co.
Providence Mill Supply Co.
S. C.—Charleston—Cameron & Barkley Co.
Greeneville—Carolina Supply Co.
Norris Bros., Inc.
Spartanburg—Montgomery & Crawford.
TENN.—Chattanooga—James Supply Co.
Mills & Lupton Supply Co.
Johnson City—Summers Hardware Co.
Memphis—J. E. Dilworth Co.
Nashville—Nashville Machine & Supply Co.
TEX.—San Antonio—Alamo Iron Works.
UTAH—Salt Lake City—Salt Lake Hardware Co.
VT.—Burlington—Hargar Hardware & Paint Co.
Rutland—Lincoln Iron Works.
St. Johnsbury—Hooker Mfg. Corp.
VA.—Danville—Mobley, Graham, Jones Co., Inc.
Piedmont Hardware Co.
Lynchburg—Barker-Jennings Hardware Corp.
Norfolk—Southern Supply Co.
Pulaski—Robert Bunts Engineering Co.
Richmond—Hunter & Frischkorn.
Smith-Courtney Co.
WASH.—Seattle—Webster-Brinkley Co.
J. J. Ross Mill Furnishing Co.
W. VA.—Huntington-Miller Supply Co.
Martinsburg—W. H. Helston Mill Construction Co.
Wheeling—Charles Berry Supply Co.
WIS.—Milwaukee—Shadbolt & Boyd.
FOREIGN:
CAN.—Toronto, Ont.—Bond Eng. Works, Ltd.
H. W. Petrie, Limited.
A. R. Williams Machinery Co., Ltd.
Montreal, Que.—Williams & Wilson, Ltd.
Winnipeg, Man.—A. R. Williams Machinery Co., Ltd.
Ottawa—General Supply Co., of Canada Ltd.
St. Johns, N. B.—The A. R. Williams Machinery Co., Ltd.
Halifax, N. S.—Austen Bros., Ltd.
A. J. Grant & Co.
Quebec Que.—Samson & Filion.
Vancouver, B. C.—Fleck Bros., Ltd.
St. Catherines, Ont.—Moore Hardware Co., Ltd.
Peterboro Ont.—G. Walter Greene Co., Ltd.
Brantford, Ont.—Ker & Goodwin Machinery Co.
Chatham, Ont.—McKeough & Trotter, Ltd.
New Liskeard, Ont.—George Taylor Hardware Co.
Cobalt Ont.—George Taylor Hardware Co.
Cochrane, Ont.—George Taylor Hardware Co.
Timmins, Ont.—George Taylor Hardware Co.
Fort William, Ont.—Fife Hardware Co.
SOUTH AMERICA—Quatemala City—E. B. Coffey.
Chile, Santiago—Fundicion Libertad.
Brazil, Companas—Companhia Mehardy.
Sao Paulo—Martins & Barros.
Peru, Lima—Emilio F. Wagner.
EUROPE—Belgium, Antwerp—Ibesque, Todd & Co.
British Isles, England, London—A. Warden & Co.
Scotland, Glasgow—Burton Griffiths & Co.
France—Lille—Louis Reijners,
Holland—Amsterdam—Landre & Glinderman.
Norway—Kristiania—C. S. Christensen.
ASIA & FAR EAST—India, Calcutta—Macbeth Bros. & Co., Ltd.
Japan—Yokohama—Alfred Herbert Ltd.
Tokio—Kleiberge Suaers.
PHILIPPINE ISLANDS—Manila—Pacific Commercial Co.
NEW ZEALAND—(Branches) — Auckland — John Chalmers & Sons, Ltd.
Wellington—John Chalmers & Sons, Ltd.
Gisborne—John Chalmers & Sons, Ltd.
Christchurch—John Chalmers & Sons, Ltd.
Dunedin—John Chalmers & Sons, Ltd.
Lyttleton—John Chalmers & Sons, Ltd.
AUSTRALIA — Melbourne — Bevan & Edwards, Proty., Ltd.
AFRICA—British South Africa, Cape Town—Jenkins & Co.
WEST INDIES—British West Indies—Jamaica—A. C. Davidson.
CENTRAL AMERICA—Salvador, San Salvador—R. Sagrera Y Cia.
CUBA—Caibarien—Sebastian Arces.
Havana—Araluce Algeria Y Ca S. en C.
J. A. Vazquez.
Francisco Garcia de los Rios.
Manzanillll—Padro S. Alvarez Hnos.
Mantanzoo—Sobrinos De Bea & Co.
Santiago—G. Francoli Costa & Co., S. en C.
Valentin, Valls & Co.
PORTO RICO—San Juan—Succesores de Abarea.
Sres. Sobrinos de Portilla.
Rafael Rodriquez Barrill.

Bond, Geo. E., & Co., granite producers, Barre, Vt.
Bond, H. B., Nashville, Tenn.
Bond, H. W., Bros., contrs., New Orleans, La.
Bond Hardware Co., 205 S. Main, Memphis, Tenn.
Bond Lumber Co., Glenwood, Fla.
Bond Mfg. Corp., Wilmington, Del.
Bond Paint & Varnish Co., E. 81, Cleveland, Ohio.
Bond Sandstone Brick Co., Lake Helen, Fla.
Bond Steel Post Co., Adrian, Mich.
Bond Supply Co., mill & fety. supplies, Kalamazoo, Mich.
Bond Varnish Co., Fanwood, N. J.
Bond, Vivian & Co., 68 Beaver St., New York.
Bond, W. C., wood handles, New Castle, Ind.
Bond, Wm., & Son, chronometers, 9 Park, Boston, Mass.
Bonds Piston Ring Co., 444 23d, Oakland, Cal.
Bondgard & Christianson Construction Co., Ins., Rachine, Wis.
Bonebrake Hardware & Implement Co., El Reno, Okla.
Bonell, Wm., carriages, Eau Claire, Wis.
Boney, A. T., agricultural implements, Cairo, Mo.
Bonham Cotton Mills, sheetings, Bonham, Tex.
Bonham Lbr. Co., Akron, Ala.
Bonham, Winchester, contractor, Wildwood, N. J.
Bonita Art Glass Co., Wheeling, W. Va.
Bonita Mfg. Co., elec. cable hangers, Hancock & Columbia, Philadelphia, Pa.
Bonita & Co., D. A., 343 S. Dearborn St., Chicago.
Bonn, Sam., contrs., Syracuse, N. Y.
Bonnell, E. M., bed springs, Corry, Pa.
Bonnell Elec. Mfg. Co., Inc., 199 Chambers, New York.
Bonnell, J. D., & Son, jewelers' tags, 27 Wormwood, Boston, Mass.
Bonnell, J. V., landscape architect, 101 Park Ave., New York.
Bonnell, W. A., bolts, cabinets, clamps, connectors, etc., 192 Chambers, New York.
Bonner & Barnewall, 1004 Elizabeth Av., Elizabeth, N. J.
Bonner & Barnewall, Inc., 440 Lafayette St., New York.
Bonner & Marshall Brick Co., 133 W. Washington, Chicago, Ill.
Bonner & Sons, J. H., Bank of Commerce Bldg., Memphis, Tenn.
Bonner Fruit Co., canners, Lankershim, Cal.
Bonner Furn. Mfg. Co., Charl Ave., Nashville, Tenn.
Bonner, J. H., & Sons, lumber, Heth, Ark.
Bonner, James Q., leather, 202 W. 5th, Wilmington, Del.
Bonners Ferry Lumber Co., Ltd., Bonners Ferry, Ida.
Bonnett, Nicholas & Co., wood turners, 619 W. Adams, Chicago, Ill.
Bonney, E. L., Box Co., packing box, Brockton, Mass.
Bonney-Floyd Co., The, Marion Road, Columbus, Ohio.
Bonney Forge & Tool Works, Telghman st., Allentown, Pa.
Bonney-Vehslage Tool Co., 61 N. J. R. R. Ave., Newark, N. J.
Bonnie-Smith-Epperson Co., Louisville, Ky.
Bonniwell Calvin Iron Co., 1207 W. 10th St., Kansas City, Mo.
Bonnot Co., The, 722 Mulberry Rd. S. E., Canton, O.
Bonsack, Fredk., 704 Olive, St. Louis, Mo.
Bonvallet's, P. A., Sons, canned goods, Wichert, Ill.
Bonville, Edw., slate for elec'l purposes, Fair Haven, Vt.
Bonyata Chemical Co., liquid disinfectant & scrubbing soaps, Grinnell, Iowa.
Booden & Son, varnish mfrs., 243 N. 9th, Brooklyn, N. Y.
Book, E. W., contr., Sacramento, Cal.
Booker & Campbell, contractors, Bellingham, Wash.
Booker & Co., H. A. Hampton, Va.
Booker, Kiehl & Whipple, contrs., Central Bldg., Seattle, Wash.
Bookhop, F. H., corn & whisk brooms & brushes, 151 38th, Brooklyn, N. Y.
Books Trunk Co., 19 E. 8th, Kansas City, Mo.
Bookwalter Wheel Co., Miamisburg, Ohio.
Boom Boiler & Welding Co., Elm & Main, Cleveland, O.
Booms, John, & Co., hdwe., 651 Monroe Ave., Detroit, Mich.
Boon, N., bldg. contr., 291 Orange rd., Montclair, N. J.
Boone Brick, Tile & Paving Co., Boone, Ia.
Boone Bros., see Boone, J. M. (successor)
Boone Construction Co., Lebanon, Ind.
Boone County Coal Corp., Charples, W. Va.
Boone, D. R., lime, Oglesby, Tex.
Boone Fork Lbr. Co., Shulls Mills, N. C.
Boone, J. M., flour mills, Erin, Tenn.
Boone Timber Co., Clothier, W. Va.
Boone Trail Coal Co., Pineville, Ky.
Boone Woolen Mills, Daniel, 1735 Diversey Parkway, Chicago.
Booneville Brick & Tile Co., Booneville, Miss.
Boonton Rubber Mfg. Co., Boonton, N. J.
Boor & Davis, flour mills, Mannington, W. Va.
Boorum & Pease Co., 86 Hudson Ave., Brooklyn, N. Y.
Boos, John, & Co., cutting benches, butchers' blocks, Effingham, Ill.
Boos Oil Engine Co., St. Marys, Ohio.
Booth & Boyd Lbr. Co., Saginaw, Mich.
Booth & Chase Co., Inc., contractors, 291 Bedford, Fall River, Mass.
Booth & Co., A., 108 W. Jefferson St., Louisville, Ky.
Booth & Flinn, Ltd., contractors, 17 Battery pl, New York & 1942 Forbes, Pittsburgh, Pa.
Booth & Law Co., varnish mfrs., 35 Crown, New Haven, Conn.
Booth & Lewis Lbr. Co., Grand Cen. Ter., New York.
Booth Apparatus Co., 1st Natl. Bank Bldg., Syracuse, N. Y.
Booth, Benj. & Co. (Ltd.), card clothing, 1717 N. Bodine, Philadelphia, Pa.
Booth Bros., Wm., 432-438 Washington St., New York.
Booth Bros. & Hurricane Isle Granite Co., 206 Broadway, New York.
Booth Bros. Co., 203 Mill St., Rochester, N. Y.
Booth Co., L. M., 127 E. Center St., Nutley, N. J.
Booth Electric Furnace Co., 411 N. Wells, Chicago, Ill.
Booth, F. E., Co., canned gds., 110 Market, San Francisco, Cal.

BOOTH FELT CO., INC., THE, 472-478 19th St., Brooklyn, N. Y.
Pres. & Treas.—N. E. Booth.
V. P.—E. W. Booth.
Secy. & Gen. Mgr.—Edwin Booth.
Chicago—725 Sherman St., E. S. Sheppard, Mgr.; V. Larson, Sales Mgr.

Booth Fisheries Co., Astoria, Ore.
Booth, Inc., Irving D., Elmira, N. Y.
Booth, Garrett & Blair, chemists, engineers & testing laboratories, 404 Locust, Philadelphia, Pa.
Booth, J. B., Co., steel struct. wk., 216 E. Robinson, Pittsburgh, Pa.
Booth, J. R., lbr., Burlington, Vt.
Booth-Kelly Lumber Co., Eugene, Ore.
Booth, Nicholson & Gilchrist, contrs., Gardner, Ill.
Booth Packing Co., ft. of Wolfe, Baltimore, Md.
Booth Mills, cotton sheetings, duck, Lowell, Mass.
Boos Brothers, 815 Key Highway, Baltimore, Md.
Booze, G. C., canned goods, Springwood, Va.
Booze, G. W., machinist, Gueydan, La.
Borchman, A., Sons, contrs., 1718 N. 33d, Omaha, Neb.
Borden, B. F. & Co., Ltd., cooperage stock, Front Royal, Va.
Borden, Chas. W., lumber, Half Moon Bay, Calif.
Borden, Cook & Co., sash, door & blind mfrs., 650 Duval, Fall River, Mass.
Borden Co., condensed milk, 350 Madison Ave., New York.

BORDEN COMPANY, THE, 528 Dana Ave., Warren, Ohio.
Pres.—W. A. Nerasher.
V. P. & Gen. Sales Mgr.—A. F. Howe.
Sec.—S. S. Smyth, Jr.
Treas.—M. W. Bechtel.
Pur. Agt.—I. B. Taylor.
Supt.—I. W. Nonneman.
Chicago—504 Barry Ave., V. M. Gaspar.
V. M. Gaspar.
Los Angeles, Cal.—Los Angeles Athletic Club., W. J. Allen.
Meridian, Miss.—1012-23d Ave., Lee Irby.
New York—86 Warren St., G. W. Houghton.

Borden & Remington Co., mfrs. drugs & chemicals, jobbers of burlaps, bale rope, starches, lubricating oils, etc., 115 Anawan, Fall River, Mass.
Borden & Son, Jefferson, Fall River, Mass.
Bordentown Forge & Mach. Co., Bordentown, N. J.
Bordentown Steel & Tube Corp., Bordentown, N. J.

Border City Industrial Co., step ladders, Border City, N. Y.
Bordo Co., L. J., 12th and Thompson Sts., Philadelphia, Pa.
Borg & Beck Co., Moline, Ill.
Borger Bros. Boiler Works, 257 W. Spring, Columbus, O.
Borger, Valentine, machsts., 2035 N. 2d, Philadelphia, Pa.
Borgeson, C. E., wood handles, 1775 Wilson Ave., Chicago, Ill.

BORGESON MFG. CO., INC., universal joints, 38 Monroe, Torrington, Conn.

Borgfeldt Brass Co., Metuchen, N. J.
Borgfeldt, Geo. & Co., aluminum hollow ware, alarm clocks, toys, etc., 16th & Irving Pl., New York.
Borgfeldt, N. H., & Co., machsts., Metuchen, N. J.
Borgman, A. J., cornices, 2845 Forest Ave., E. Detroit, Mich.
Borgner Co., Cyrus, Drexel Bldg., Philadelphia, Pa.

BORGSTROM, G. J., INC., dies, 118 S. Clinton, Chicago, Ill.

Borgwardt & Ernst Co., tree moss, 1234 N. Paulina Ave., Chicago, Ill.
Borgzinner, S., Co., jewelry cases, Orange, N. J.
Boright, John W., Lumber Co., Chatham, N. Y.
Borin Mfg. Co., mirrors, 837 So. Western Ave., Chicago, Ill.
Bork & Richard, sash, door & blind mfrs., Meadville, Pa.
Borkel, Jno., & Co., cornices, 203 E. 21st., New York.
Borkenhagen, Alfred, contr., 75 Freeman, Buffalo, N. Y.
Borland & Diamond Lumber Co., Oil City, Pa.
Born Bros., contrs., Marion, O.
Born, Chas. A., plumbers' supplies—jobbers, Pensacola, Fla.
Born, H. A. Co., Inc., ice & refrigerating machines, 326 River, Chicago, Ill.
Born, S. A., Bldg. Co., 37th Ave. & Shoreview, San Francisco, Cal.
Born Steel Range Co., 517 Huron Rd., Cleveland, O.
Borne Co., Chas. A., 78 Watts St., New York.
Borne Scrymser Co., 17 Battery Place, New York.
Borneman & Sons, whol. hdwe. & mill & facty. supplies, Elkhart, Ind.
Bornemann, Adolph, machinist, St. Peter, Minn.
Bornemann, Ed., lumbermen's socks, St. Peter, Minn.
Bornstein, J. & Sons, Inc., 562 1st Ave., So., Seattle, Wash.
Bornwasser, Louis P., Co., meat packers, Louisville, Ky.
Borough Box & Lumber Co., 78 Delevan St., Brooklyn, N. Y.
Borough Development Co., 186 Remsen, Brooklyn, N. Y.
Borromite Co. of America, The, 105 W. Monroe St., Chicago.
Borreson Mfg. Co., hdwe.; machsts., St. Paul, Minn.
Borrmann, Geo. R., steel merch., ft. Adeline, San Francisco, Cal.
Borroughs Additional Towel System, towel racks, 28th & Filbert, Oakland, Cal.
Borschart Threadless Pipe Coupling Co., Trenton, Mo.
Borsum Bros., 274 Johnson Ave., New York.
Borthwick, Pringle, contractor, 8018 Germantown, Philadelphia, Pa.
Borton Coal & Trading Co., masons' & bldrs.' matls., Atlantic City, N. J.
Bos Electrical Supply Co., 11 Peck St., Providence, R. I.
Bos, Jno. N., Sand Co., 118 N. La Salle, Chicago, Ill.
Bos & O'Brien, contrs., Hearst bldg., San Francisco, Cal.
Bosca Reed Mfg. Co., leather, Springfield, Ohio.
Boscacer, Jos., machinist, Oakland, Cal.
Boscawen Mills (Inc.), Penacook, N. H
Bosch, Hy., Co., window shade mfrs., 525 S. Wabash Ave., Chicago, Ill.
Bosch, J. R., leather, 59 Pearl, New York.
Bosch Magneto Service Co., magneto mfrs., 250 W. 54th New York.
Bosken Lumber Co., Evans & Erie, Cincinnati, Ohio.
Bosler, E. H., carriage dressing, 9425 Pleasant Ave., Chicago, Ill.
Bosley Co., The D. W., 310 Peoples Gas Bldg., Chicago.
Bosley, L. W., cornices & skylights, Gainsville, Tex.
Boss Co., The, (Gloves), Kewanee, Ill.
Boss Engineering Co., J. C., Elkhart, Ind.
Boss Ladder Co., 699 Ward, San Leandro, Cal.
Boss Mfg. Co., canvas gloves, 70 Washington, Brooklyn, N. Y.
Bosse Nut Company, 1736-54 N. Kolmar Ave., Chicago. (Now American Bolt Corp., Boss Nut Division.)
Bosa Pulling Mach. Co., steel derricks, Vanburen, Ind.
Boss Tile Spade Co., Anamosa, Ia.
Boss Washing Machine Co., Harris & Pine Nor., Cincinnati, O.
Bossard Railway Signal Corp., 512 Cannon Pl., Troy, N. Y.
Bossert & Sons, (Inc.) Louis, 1335 Grand, Brooklyn, N.Y.
Bossert Corporation, The, Linden St. and West Ave., Utica, N. Y.
Bosson & Lane, lubricating oils & greases, Atlantic, Boston, Mass.
Bossony, John, furniture, 534H W. 58th, New York.
Bostick Lbr. & Mfg. Co., Meridian, Miss.
Bostick Stove Co., Lapeer, Mich.
Bostock, Thos., & Sons, mchsts. & fdrs., Brockton, Mass.
Boston Armature Wks., railway supplies, 77 Washington, Boston, Mass.
Boston Auto Gage Co., fuel level indicators, 8 Waltham, Boston, Mass.
Boston Automatic Fire Alarm Co., 141 Milk St., Boston, Mass.
Boston Auto Top Co., 100 Massachusetts Ave., Boston, Mass.
Boston Badge Co., buttons, 333 Washington, Boston, Mass.
Boston Belting Corp., rubber belting hose, packing, roller coverings, etc., 80 Elmwood Ave., Boston, Mass.
Boston Brass Andiron Co., 83 Haverhill, Boston, Mass.
Boston Brass Co., Waltham, Mass.
Boston Brazing Co., 465 Atlantic Ave., Boston, Mass.
Boston Brick Co., Boston, Mass.
Boston Bridge Works, Inc., 47 Winter St., Boston, Mass.
Boston Building Materials Co., 370 Albany, Boston, Mass.
Boston Burial Case Co., W. Som, Somerville, Mass.
Boston Clip & Tag Co., 40 Sudbury, Boston, Mass.
Boston Consolidated Coal Co., Athens, Ohio.
Boston Copper Works Co., E. Boston, Mass.
Boston Coupling Co., 297 Congress St., Boston, Mass.
Boston Drinking Cup Co., 1000 Washington, Boston, Mass.
Boston Duck Co., Bondsville, Mass.
Boston Economy Lamp Division, National Lamp Works of General Electric Co., Providence, R. I.
Boston Engng. Co., boilers, 308 Atlantic Ave., Boston, Mass.
Boston Engineers' Supply Co., 159 Pearl, Boston, Mass.

BOSTON EXCELSIOR COMPANY, 562 W. 29th St., New York.

Boston Feather Duster Co., 60 India St., Boston, Mass.
Boston Felt Mfg. Co., mechanical, 110 Beach, Boston, Mass.
Boston Filter Co., water coolers & filters, Chelsea, Mass.
Boston Fire & Police Notification Co., fire alarms, 11 High, Boston, Mass.
Boston Forge Co., 340 Maverick, Boston, Mass.
Boston Food Products Co., canned goods, 16 New, Boston, Mass.
Boston Galvanizing Wks., 121 W. 1st, Boston, Mass.

BOSTON GEAR WORKS SALES CO., Norfolk Downs 71, Mass.

Factory Branches:
ILL.—Chicago—623-625 W. Washington Blvd.
MASS.—Boston—256 Franklin St.
N. Y.—New York—151 Lafayette St. and 215 Center St.
OHIO—Cleveland—803 W. Superior Ave.

Distributors:
CAL.—Los Angeles—Andrews Hdwe. Co., 334 S. Main St., Pico 869.
San Francisco—C. W. Marwedel, 76 First St., Douglas 4180.
CONN.—New Haven—C. S. Mersick & Co., 274 State St., Liberty 4130.
IND.—Indianapolis—Vonnegut Hardware Co., Lincoln 2321.
MASS.—Boston—Chandler & Farquhar Co., 250 Devonshire St., Main 7670.
MICH.—Detroit—Chas. A. Strelinger Co., 149 E. Larned St., Cadillac 7080.
MO.—St. Louis—Schroeter Bros. Hdwe. Co., 810 Washington Ave., Main 5570.
N. Y.—Buffalo—Root, Neal & Co., 178 Main St., Seneca 4710.
O.—Cincinnati—Queen City Supply Co., Pearl & Elm Sts., Main 1195.
Cleveland—Strong, Carlisle & Hammond Co., 1392 W. 3rd St., Main 6760.
Dayton—Patterson Tool & Sup. Co., 123 E. 3rd St., Main 4531.
Toledo—Coghlin-Kirby Machy. & Sup. Co., 109 St. Clair St., Main 4854, 4855.
PA.—Philadelphia—Chas. Bond Co., 617 Arch St., Market 3990, Main 7701.
Pittsburgh—Somers, Fitler & Todd Co., 327 Water St., Court 4860.
WIS.—Milwaukee—Western Iron Stores Co., 147 W. Water St., Grand 5270.

Boston Gear Works (Quincy), Norfolk Downs, Mass.
Boston Gore & Web Co., shoe goring & elastic webbing, Chelsea, Mass.
Boston Index Card Co., 113 Purchase, Boston, Mass.
Boston Insulated Wire & Cable Co., Boston, Mass.
Boston Iron & Metal Co., scrap iron & steel, Pratt & Fremont Ave., Baltimore, Md.
Boston Leather Stain Co., 109 Purchase, Boston, Mass.
Boston Light Supply Co., mill & facty. supplies, 219 Friend, Boston, Mass.
Boston Lightning Rod Co., 755 Boyleston, Boston, Mass.
Boston Lumber Co., 79 Milk, Boston, Mass.
Boston Machine Screw Co., screw machine products, 17 Tudor, Cambridge, Mass.
Boston Mach. Wks. Co., Lynn, Mass.
Boston Mailing Co., 394 Atlantic Ave., Boston, Mass.
Boston Metal Ceiling & Mfg. Co., 27 Haymarket Sq., Boston, Mass.
Boston Metallic Bed Co., 90 Canal, Boston, Mass.
Boston Milling Co., flour, South Boston, Va.
Boston Mirror Co., 129 Portland St., Boston, Mass.
Boston Nickel Plating Co., 160 Portland, Boston, Mass.
Boston Oil & Gasoline Co., lubrg. oils & greases, 8 India, Boston, Mass.
Boston Oregon Mast Co., 131 Coleridge, E. Boston, Mass.
Boston Packing Co., meat, 1 3rd, Portland, Ore.
Boston Paste Co., 85 Haverhill, Boston, Mass.
Boston Piano Supply Co., piano key hammers, B'way, Boston, Mass.
Boston Pipe & Fittings Co., steam fitters' supplies, 273 Congress, Boston, Mass.
Boston Plate & Window Glass Co., 261 A St., Boston, Mass.
Boston Plumbing & Lighting Supply Co., Boston, Mass.
Boston Pocket Book Co., 16-9 Massachusetts Ave., Boston, Mass.
Boston Pressed Metal Co., 171 Union St., Worcester, Mass.
Boston Printing Press & Machy. Co., East Bridgewater, Mass.
Boston Roofing Co., cornices & skylights, 21 Ramsy, Boston, Mass.
Boston Rubber Shoe Co., 130 Essex, Boston, Mass.
Boston Scale & Machine Co., 100 Ruggles St., Boston, Mass.
Boston Sand & Gravel Co., 88 Broad, Boston, Mass.
Boston Specialty Corp., 261 Broadway, New York.
Boston Self-Locking Block Co., Waltham, Mass.
Boston Stove Fdry. Co., 210 Borden, Boston, Mass.
Boston Time Stamp. Co., Inc., 136 Washington St., Boston, Mass.
Boston Tool & Mfg. Company, Inc., die filing machines, special machinery, etc., 262 Dover, Boston, Mass.
Boston Tow Boat Co., submarine divers, 111 Devonshire, Boston, Mass.
Boston Vapor Heating Co., 365 Atlantic Ave., Boston, Mass.
Boston Varnish Co., Everett, Mass.
Boston Willow & Willowcraft Shops, 2225 Massachusetts Ave., Boston, Mass.
Boston Wire Stitcher Co., machsts., East Greenwich, R. I.
Boston Woven Hose & Rubber Co., 110 Portland St., Cambridge, Mass.
Boston Woven Wire Brush Co., Wakefield, Mass.
Bostrom-Brady Mfg. Co., Atlanta, Ga.
Bostwick-Braun Co., The, Summit & Monroe Sts., Toledo, O.
Bostwick & Goddell, advtg. novelties, Norwalk, Ohio.
Bostwick, C. G., sheet steel ceilings, ventilator mfrs., etc., 236 N. Oxford, Hartford, Conn.
Bostwick, Harley, & Co., turpentine, Lawtey, Fla.
Bostwick, J. R. & H. J., pipe joint & roofing cements, Clifton Springs, N. Y.
Bostwick-Lyon Bronze Co., Waynesboro, Pa.
Bostwick Steel Lath Co., Niles, O.
Bostworth, Walter S., machsts. & brass fndrs., Warren, R. I.
Bosworth-Ard Mach. & Fdry. Co., Anniston, Ala.
Bosworth Bag Co., 1078 Texas St., Memphis, Tenn.
Bosworth, De Frenes & Felton, motion picture machines, Wilkes-Barre, Pa.
Bosworth, M. A., Lumber Co., Vincennes, Ind.
Botany Worsted Mills, machsts., Passaic, N. J.
Botfield Refractories Co., brick cement, 776 S. Swanson, Philadelphia, Pa.
Boton Artificial Leather Co., 200 Fifth Ave., New York.
Botsford Lbr. Co., Winona, Minn.
Bott Bros. Mfg. Co., cooperage stock, Alexandria, Mo.
Botte Mfg. Co., concrete mixers, Kearney, Neb.
Bottle Capping Mach. Co., 42 Bond, New York.
Bottlers' & Mfrs.' Ass'n., 792 E. 33rd, New York.
Bottom Creek Coal & Coke Co., Vivian, W. Va.
Bottomley Machine Co., Alliance, Ohio.
Bottoms, Abel, & Sons Co., contractors, 3611 Walnut, Philadelphia, Pa.
Botts, E. W. & Co., 449 Bryant, San Francisco, Cal.
Botts Marking Ink Co., The, 63-75 Third St., Brooklyn, N. Y.
Bottum Valve Co., 211 W. Schiller St., Chicago.
Botwinik Brothers, 21 Sylvan Ave., New Haven, Conn.
Bouss & Sons, machsts. & fndrs., Coulterville, Ill.
Bouchard & Son Co., John, 1024 Harrison St., Nashville, Tenn.
Boucher, H. E., Mfg. Co., machsts., 150 Lafayette, New York.
Boucher, Jos., brick, 180 Plantation, 15 Division, Worcester, Mass.
Boucher, Milton H., mchsts. & fndrs., Meyersdale, Pa.
Boudreaux, L. S., lumber, New Orleans, La.
Bouker Contracting Co., 17 State, New York.
Boulder Pressed Brick & Lumber Co., Boulder, Colo.
Boulden, Wm. M., & Son, iron fdrs., Chester, Pa.
Boulerice, Odilou, granite, R. F. D. No. 4, Barre, Vt.
Boulia-Gorrell Co., sashes, doors, etc., Lakeport, N. H.
Boulin, C. H., 82 Duane St., New York.
Boulin, V. J., wire forming dies, 1 Union Sq., New York.
Boulter, Williams & Co., oil & gas well supplies 2316 E. 52nd, Los Angeles, Cal.
Bound Brook Crushed Stone Co., Bound Brook, N. J.
Bound Brook Oil-Less Bearing Co., Bound Brook, N. J.
Bounds, G. A., & Co., canned goods, Hebron, Md.
Bounds, J., lbr., Moss Point, Miss.
Bour Refractories Co., Inc., L. J., The, Laurel Line & Front St., Scranton, Pa.
Bourbon Copper & Brass Works Co., 618-20 E. Front St., Cincinnati, O.
Bourcau, H. U. & Co., bldrs. iron wk., 3302 Ludlow, Philadelphia, Pa.
Bourke-Rice Envelope Co., 522 S. Clinton St., Chicago.
Bourn Rubber Co., 58 Warren St., Providence, R. I.
Bourne-Fuller Company, The, Hanna Bldg., Cleveland, O.
Bourne, Jno. R., 109 State St., Rochester, N. Y.
Bourne, Wm., & Sons, Piano Co., Amesbury, Mass
Bourne, Wm., & Son Piano Co., Needham, Mass.
Bournique Glass Co., Kokomo, Ind.
Bournoff Corp., Louis, Lynn, Mass.
Bourque & Sears, shoe patterns, Haverhill, Mass.
Bourque Construction Co., Lawrence, Mass.
Bourret-Kirkwood Co., laundry machy., 1128 Mission, San Francisco, Cal.
Bousfield Woodware Co., 2524 N. E. Marshall St., Minneapolis, Minn.
Bousman Manufacturing Co., 1157 Plainfield St., N. E. Grand Rapids, Mich.
Boust, A. C., drilling mchs., Northumberland, Pa.
Boustead Elec. & Mfg. Co., dynamo & motor mfrs. & machy. dirs., 18 E. Hennepin Ave., Minneapolis, Minn.
Boutell Mfg. Co., 558 Lyell Ave., Rochester, N. Y.
Bouton, C. H., meat packers, Marathon, N. Y.
Boutwell Milling & Grain Co., corn feed & rye flour, Troy, N. Y.
Bovaird & Co., Bradford, Pa.
Bovaird & Seyfang Mfg. Co., mchsts. & fdrs., Bradford, Pa.
Bovaird Supply Co., mill & facty. supplies, Independence, Kans.
Bovee Furnace Works, Waterloo, Ia.
Bovyer & Sons, contractors, 2407 California, San Francisco, Cal.
Bowden Bros., cotton batting, Cedar Grove, N. J.
Bowden, Thos., granite prod., New Haven, Conn.
Bowden, Thos. J., & Son, lumber, Marblehead, Mass.
Bowditch, Ernest W., landscape archt., 29 Central, Boston, Mass.
Bowditch, Jas. H., landscape archt., 903 Tremont Bldg., Boston, Mass.
Bowdle Bros., mchsts. & fndrs., Piqua, Ohio.
Bowdlear Co., W. H., The, 69 Broad St., Boston, Mass.
Bowdon Oil & Fertilizer Co., Bowdon, Ga.
Bowdry & McKinley Iron Wks., fndrs., Fort Worth, Tex.
Bowe, Burke Co., contractors, Duluth, Minn.
Bowe Constr. Co., concrete roofing tile, Kokomo, Ind.
Bowe, Wm. F., Jr., contr., Augusta, Ga.
Bowen Corp., carburetors, oil cup, lubr., oil hole covers & cups, Detroit, Mich.
Bowen-Jewell Co., cotton bagging, Jewell, Ga.
Bowen, John Co., contractors, 184 Dudley, Boston, Mass.
Bowen Motor Railways Corp., Title Guarantee Bldg., St. Louis, Mo.

BOWEN PRODUCTS CORPORATION, Auburn, N. Y.

Pres.—G. W. Bowen.
V. P. & Gen. Mgr.—G. W. Severson.
Sales Mgr.—L. A. Austin.
Pur. Agt.—C. A. Pace.
Supt.—L. D. Reed.
Prod. Mgr.—R. L. Anderson.

Branch Offices:
CAL.—San Francisco—A. J. Buckley, Mgr., Monadnock Bldg.
ILL.—Chicago—A. T. McHenry, Mgr., 2110 Michigan Ave.
MASS.—Boston—N. W. Fuller, Mgr., 161 Massachusetts Ave.
MICH.—Detroit—H. H. Rubart, Mgr., 2760 W. Warren Ave.
MO.—Kansas City—C. W. Chiles, Mgr., 2005 E. 15th St.
N. Y.—New York—A. E. Kelly, Mgr., 220 Broadway.
O.—Cleveland—H. A. Keith, Mgr., 2760 W. Warren Ave.

Distributors:
ALA.—Birmingham—Young & Vann Supply Co.
ARK.—Little Rock—Hollis & Co.
CAL.—El Centro—Imperial Valley Hardware Co.
Los Angeles—California Hardware Co.
Chansler & Lyon Co.
Ducommun Hardware Co.
E. A. Featherston Co.
Harper & Reynolds Corp.
Industrial Supply Co., Inc., 329 E. Second St.
Link-Belt Co.
Los Angeles Heavy Hardware Co., 218 N. Los Angeles St.
McCoy Motor Supply Co.
W. T. McFie Sup. Co., 213 N. Los Angeles St.
Pacific Pipe & Supply Co.
Scoval Iron Store Co.
Smith, Booth, Usher Co.
Union Hardware & Metal Co.
Warren-Bailey Co.
Weinstock & Nichols Co.
Oakland—W. E. Strel Co.

(Continued on following page)

BOWEN PRODUCTS CORPORATION—Continued.
Sacramento—Jas. S. Remick Co., Inc., 1201 A St.
Shaw-Batcher Co.
Thompson-Diggs Co., 3rd & R Sts.
San Diego—Motor Hdwe. & Equip. Co.
San Francisco—Baker Hamilton & Pacific Co., 700 7th St., Park 9000.
Dunham, Carrigan & Hayden Co., Kansas & Division, Park 9500.
Harron, Rickard & McCone, 139 Townsend St., Karny 2240.
Holbrook, Merrill & Stetson, 666 Sixth St., Sutter 60.
Link-Belt Co., 19th & Harrison, Mission 345.
McCoy Motor Supply Co., 1524 Bush St., Graystone 520.
Mark-Lally Co., 2nd & Tehama, Karny 588.
Marshall-Newell Sup. Co., Spear & Mission sts., Sutter 6585.
C. W. Marwedel, 76 First St., Douglas 4180.
Scoval Iron Store Co., 754 Howard St., Douglas 2345.
Sloss & Brittain, Inc., 99 Beale St., Sutter 3674.
Waterhouse & Lester Co., 540 Howard St., Garfield 4040.
Weinstock-Nichols Co., 1211 S. Olive St., Franklin 6062.
Stockton—Austin Bros.
California Auto Supply Co., 209 N. Eldorado St.
Holt Mfg. Co.
Samson Sieve Grip Co.
H. C. Shaw Co.
COLO.—Denver—Auto Equip. Co., 14th St. at Lawrence,
M. L. Foss.
Hendrie & Bolthoff Mfg. Sup. Co., 1639 17th St.
Mine & Smelter Supply Co.
M. J. O'Fallon Supply Co.
Pueblo—Pueblo Motor Accessories & Tire Co.
CONN. — Bridgeport — American Hardware Stores, Inc., Fairfield av. & Middle Crane Co.
Hawley Hardware Co., 1120 Main st.
Derby—F. Hallock Co.
Hartford—L. L. Answorth & Sons.
Hartford Mill Supply Co.
Post & Lester Co., 112 Allyn St.
New Haven—N. T. Bushnell, 289 State st.
C. S. Mersick & Co., 286 State st.
Waterbury—N. J. Daly & Sons, 541-560 Bank st.
Hotchkiss Co.
Chas. A. Templeton, Inc., 13 E. Main st.
D. C.—Washington—National Elect. Sup. Co., 1330 New York av.
Charles Rubel & Co., 1621 L st.
FLA.—Miami—Miami Tire Co., 9 N. E. 1st st.
Tampa—G. Norman Baughman Co., Cor. Florida & Jackson st.
GA.—Atlanta—Barrett—Watson Co., 68 N. Forsyth st.
J. N. Tull Rubber & Sup. Co., 84 N. Prior st.
Savannah—Motor Supply Co., 112 Bryan st.
IDAHO—Wallace—Coeur d'Alene Hdwe. & Fdry. Co.
ILL.—Canton—International Harvester Co.
Champaign—Herrick Auto Supply Co.
Chicago—Barrett-Christie Co., 37 S. Clinton st., Franklin 4731.
Beckley Ralston Co., 1801 S. Michigan av., Calumet 7140.
George B. Carpenter & Co., 440 N. Wells st., Franklin 6000.
H. Channon Co., Market & Randolph sts., Franklin 0380.
Crane Co., 836 S. Michigan av., Wabash 3120.
Great Lakes Sup. Co., 3217 E. 92nd st., So. Chicago 7600.
Samuel Harris & Co., 114 N. Clinton st., Main 2467.
J. C. Hoof Co., 159 W. Illinois st., Main 1430.
Ideal Auto Supply Co., Washington & Cicero av., Austin 5340.
McMaster Car Supply Co., 176 Lake st., Franklin 6161.
Whitaker Mfg. Co., 409 S. Green st., Haymarket 3212.
Dixon—E. N. Howell Hdwe. Co.
Peoria—Graham-Seltzer Co., 519 Fulton st.
Quincy—Gunther Hdwe. Co., 505 Hampshire st.
Rockford—Sprague Canning Machy. Co.
IND.—Evansville—Evansville Leather & Belting Co., 429 Sycamore st.
Evansville Supply Co.
Fort Wayne—Fort Wayne Iron Store Co.
Fort Wayne—Fort Wayne Oil & Supply Co.
National Mill Supply Co., 207 S. Columbia st.
Indianapolis—Gibson Co., 433 N. Capitol av.
W. J. Holliday & Co., 326 W. Georgia st.
Indianapolis Belting & Sup. Co.
Richmond—Jones Hardware Co.
Terre Haute—John S. Cox Co.
Power Supply Co.
IA.—Cedar Rapids—Orr Bros. Supply Co.
Cherokee—Sachse-Bunn Co.
Des Moines—Iowa Auto Spring Co.
Fort Dodge—Prussia Hdwe. Co., 610 Central av.
Mason City—Hawkeye Supply Co.
Sioux City—Sioux City Iron Co.
Wm. Warnock Co., 7th & Douglas st.
Waterloo—Cutler Hdwe. Co.
KANS.—Atchison—A. J. Harwi Hdwe. Co.
Hutchinson—Midwest Equipment Co., 110 E. Sherman st.
Pittsburg—Marshall Supply Co., 510 Elm st.
Salina—Lamb Automotive Supply Co., 155 N. 7th st.
Topeka—Southwick Automotive Sup. Co., 925 Kansas av.
W. A. L. Thompson Hdwe. Co.
KY.—Lexington—Lexington Mill & Mill Sup. Co.
Louisville—B. F. Avery & Son.
Belknap Hdwe. & Mfg. Co., 2nd & Washington sts.
Jas. Clark & Co., Inc.
Andrew Cowan & Co., Inc., 421 W. Main st.
Nielle La. Vielle Sup. Co.
LA.—Alexandria—Brown-Roberts Hdwe. & Supply Co., 3rd & Xavier sts.
New Orleans—Globe Supply & Machine Co.
Standard Sup. & Hdwe. Co., Inc.
Oliver Van Horn Co., Inc., 518 Camp st.
Woodward Wight & Co., Ltd.
Shreveport—Buckelew Hdwe. Co.
ME.—Bangor—Rice & Miller Co.
Portland—Farrar-Brown Co., 494 Forest st.
MD.—Baltimore—Auto Supply Co., of Baltimore, 915 N. Charles st.
L. A. Benson, 6. E. Lombard st.
Carey Machy. & Sup. Co.
Caggins & Owens, 19 S. Charles st.
Cuyler & Mohler, 611 William st.
S. Lee George, 868 N. Howard st.
J. R. Hunt & Co., 206 N. Calvert st.
Jewel Sup. & Equip. Co., 34 S. Calvert st.
R. W. Norris & Son.

BOWEN PRODUCTS CORPORATION—Continued.
MASS.—Boston—G. R. Armstrong Mfg. Supplies, 130 High st., Congress 2700.
Butts & Ordway Co., 33 Purchase st., Congress 0900.
Bigelow & Douse, 229 Franklin st., Main 5607.
Borden, Grove & Merrill, Inc., 200 Congress st., Congress 0578.
Chandler & Farquhar Co., Main 7670.
Chase, Parker Co., 81 Pearl st., Main 6073.
A. W. Chesterton & Co., 64 India st., Main 5877.
Geo. Collins & Co., Inc., 535 Commonwealth av., Kenmore 1490.
Curry Bros. Oil Co., 253 Franklin st., Congress 2578.
Cutter & Wood Supply Co., 274 Friend, Haymarket 5204.
S. H. Davis Co., 68 Portland st., Haymarket 0009.
Eagle Oil & Sup. Co., 45 India st., Main 0172.
Guaranteed Parts, Inc., 100 Cummington st., Kenmore 3760.
Linscott Supply Co., 568 Commonwealth av., Kenmore 1463.
S. Eugene Proctor, 168 Washington st., Congress 6540.
Walworth Mfg. Co., 88 Pearl st., Congress 6880
Wetmore-Savage Co., 180 Mass av., Back Bay 8950.
A. J. Wilkinson & Co., 180 Washington st., Main 5772.
Fitchburg—Fitchburg Hdwe Co., Main st.
Holyoke—Chase & Cooledge Co.
J. Russell & Co., 361 Dwight st.
Lawrence—Treat Hdwe. Corp., 261 Essex st.
Lowell—Thompson Hdwe. Co., 254 Merrimac st.
New Bedford—Babbitt Steam Specialty Co., N. Water st.
North Adams—Payne-Cummings Hdwe. Co.
Peabody—Hamblet & Hayes Co.
Pittsfield—Berkshire Mill Sup. Co.
Springfield—Carlisle Hdwe. Co.
W. J. Foss Co., 116 Broadway.
J. G. Riga & Sons Co., Dwight st.
Stacy Supply Co., 41 Taylor st.
Tarbell-Water Co., Inc., 160 Chestnut st.
Taunton—Pierce Hdwe. Co.
Waltham—J. H. Hanson Mfg. Co.
Worcester—Alsten & Goulding, Foster & Commercial sts.
Brierly-Lombard Co., 663 Main st.
Central Supply Co.
Duncan & Goodell Co., 404 Main st.
H. N. Waite Hdwe. Co., 185 Front st.
Washburn-Garfield Co.
MICH.—Bay City—Jennison Hdwe. Co.
Detroit—E. A. Bowman Co., 41 Harper st., Empire 5520.
Detroit Lubricator Co., 5842 Trumbull av., Empire 2780.
Michigan Lubricator Co., 3643 Beaubien, Melrose 3271.
Nicholds & Co., 2978 Grand River, Glendale 4303.
Chas. A. Strelinger Co., 149 S. Larned st., Cadillac 7080.
Flint—L. M. Hendesbauch & Co.
Kalamazoo—Kalamazoo Railway Supply Co.
MINN.—Duluth—Marshall-Wells Hdwe. Co.
MO.—Joplin—Joplin Supply Co.
Kansas City—Faeth Co., 1117 W. 8th st., Harrison 2285.
Harbison Mfg. Co., 10th & Mulberry sts., Main 0557.
Peake Auto Supply Co., 1600 McGee st., Grand 0463.
Peerless Auto Supply Co., 2010 McGee st., Delaware 2300
Richards & Canover Hdwe. Co., 5th & Wyandotte sts., Main 7600.
Stowe Supply Co., Station A., Main 3390.
St. Joseph—Wyeth Hdwe. & Mfg. Co.
St. Louis—Fred Campbell Auto Supply Co., 2806 Locust st., Bomont 2500.
Colcord-Wright Machy. & Sup. Co., 1227 N. Broadway, Central 6970.
Handlan-Buck Mfg. Co., 212 N. 3rd st., Main 231.
N. O. Nelson Co., 928 Chestnut st., Main 3620.
Schroeter Bros. Hdwe. Co., 810 Washington av., Central 3570.
Shapleigh Hdwe. Co., 315 Washington av., Central 3200.
Simmons Hdwe. Co., 900 Spruce st., Main 3400.
Weber Imp. & Automobile Co., 19th & Locust st., Bomont 2283.
MONT.—Butte—Anaconda Copper Mining Co.
Kalispell—Kalispell Mercantile Co.
NEB.—Lincoln—Henkle & Joyce Hdwe. Co., 800 Q st.
Omaha—Interstate Machy. & Sup. Co., 100 Douglas st.
J. & R. Motor Supply Co., 1915 Farnam st.
World Auto Supply Co., 2002 Farnam st.
N. H.—Lancaster—Thompson Mfg. Co.
Manchester—John B. Varick Co.
N. J.—Elizabeth—Elizabeth Hdwe. Co., 1186 E. Grand st.
Newark—Automotive Equipment Co., 317 Halsey st.
Banister & Pollard Co., 206 Market st.
Crane & Mulligan, 54 Mechanic st.
Economy Auto Supply Co., 268 Halsey st.
Johnson Mandeville Co.
Jones & Auesbacher, Inc., 46 Mechanic st.
Ludlow & Squier, 97 Market st.
Wm. S. Roe, 17 Mechanic st.
Standard Auto Supply Co., 239 Halsey st.
Thompson-Reilly Co., 277 Halsey st.
Whitehourse Mfg. Co., 42 Elm st.
Passaic—New Jersey Engrg. & Sup. Co.
Paterson—W. H. Mills & Co., 59 Washington st.
A. Van Winkel Co.
Trenton—Standard Sup. & Equip. Co.
N. Y.—Albany—Albany Hdwe. & Iron Co.
R. B. Wing & Son Corp., 384 Broadway.
Amsterdam—J. E. Larabee.
Brooklyn—Bushwick Auto Sup., 1341 Bushwick av.
Farrell Auto Sup. Co., 1178 Bedford av., Nevins 1800.
Kasper & Koetzle Hdwe. Co., 565 Bushwick av., Pulaski 3000.
E. Krieger & Sons, Tompkins av. & Quincy st., Decatur 1800.
Martin-Evans Co., Bedford av. & Bergin, Prospect 1100.
Buffalo—Beals, McCarthy & Rogers, 44 Terrace, Seneca 2820.
W. Bergman Hdwe. Co., 44 Genesee st., Seneca 3287.
Buffalo Mill Supply Co., 212 Main st., Seneca 1561.
W. A. Case & Son Mfg. Co., 31 Main st., Seneca 6020.

BOWEN PRODUCTS CORPORATION—Continued.
Cook Iron Store Co., 128 St. Paul st.
Peerless Mill Supply Co., 31 Pearl st., Seneca 4785.
Root Neal & Co., 178 Main st., Seneca 4710.
J. H. Ruckel & Son, 81 Main st., Seneca 2373.
Sherwood Mfg. Co., 1710 Elmwood av., Bidwell 2603.
Jos. Strauss & Co., 215 Genesee st., Seneca 5436.
Stritt & Priebe, Inc., 44 Breckenridge, st., Bidwell 1765.
H. D. Taylor Co., 99 Oak st., Seneca 5304.
Weed & Co., 95 E. Swan st., Seneca 1818.
Cortland—George W. Hough.
Hollister Hdwe. & Plbg. Co., 17 Railroad st.
Elmira—Barker Rose & Clinton Co.
Irving D. Booth, Inc., 609 Railroad av.
Fort Edward—Newton & Hill, 124 Broadway.
Hudson—Jamestown Hardware Co.
Jones & Hardy.
Ithaca—Treman King & Co.
Jamestown—Clark Hdwe. Co.
Little Falls—Burney Bros.
Long Island—Long Island Hdwe. Co., 64 Jackson av.
Newburgh—W. I. Smith, 165 Broadway.
John G. Wilinson Co., 8 Water St.
New York—Atlas Hdwe. Co., 12 Elm st., Worth 3100.
Bettes & Ebsen Co., 150 Chambers st., Barclay 5762.
Biddle Purchasing Co., 105 Chambers st., Worth 9191.
Braunfels, Browning & Co., 1940 Park av., Harlem 4760.
R. K. Carter & Co., 66 Reade st., Worth 1383.
Davis & Kass, 25 W. Broadway, Circle 5818.
Diamond Auto Supply Co., 372 Canal st., Canal 1657.
A. P. Dienst & Co., Dienst Bldg., Mothaven 5430.
Henry Frank, Jr., 372 Hudson st., Spring 7190.
Franklin Hdwe. Co., Inc., 37 Howard st., Canal 8130.
H & B Auto Sales Co., 922 Eighth av., Circle 0711.
Hammeracher Schlemer & Co., 4th av. and 13th st.
A. J. Hemphill Co., 11 Broadway, Rector 1818.
U. T. Hungerford Bros. Copper Co., 80 Lafayette st., Franklin 5700.
Lowe Motor Supplies Co., 245 W. South st., Circle 1566.
Montgomery & Co., Inc., 64 Reade st., Worth 7620.
Nason Mfg. Co., 71 Beekman st., Beekman 2600.
Neal & Brinkler Co., 78 Duane st., Worth 9360.
Oliver Bros., Inc., 71 Murray st., Barclay 7234.
Patterson Bros., 27 Park Row, Barclay 8320.
W. E. Pruden Hdwe. Co., 260 W. 52nd st., Circle 1931.
R. & L. Bearings Co., 1819 Broadway, Columbus 2492.
Smith-Worthington Co., 40 Warren st., Barclay 6130.
Edward C. Striffler, 591 11th av., Chickering 0252.
Topping Brothers, 122 Chambers st., Canal 5000.
United Auto Supply Co., 88 Chambers st.
Whittemore-Sim Co., 246 W. 65th st., Columbus 0842.
Williams & Wells Co., 250 Fulton st., Cortland 4370.
W. S. Wilson Corp., 155 Chambers st., Whitehall 5600.
Niagara Falls—Elderfield-Hartshorn Hdwe Co., 40 Falls st.
North Tonawanda—Cramer Hdwe. Co., Inc.
Oswego—M. B. Crawford & Son.
Rochester—Barr & Creelman Co.
Chapin Owen Co., Inc., 370 E. Main st.
John M. Forster Co., 110 Mill st.
Haverstick & Co., 66 Exchange st.
Rochester Automotive Equip. Corp., 85 Mill st.
Sidney B. Rody Co., 208 South av.
Homer Strong, 299 State st.
Weed & Co.
Syracuse—Burham & Black Co.
Olmstead Co., Inc., 407 S. Clinton st.
Onondago Auto Supply Co., 333 E. Onondaga st.
A. B. Wiggins & Co., 384 Fayette St.
C. H. Wood Co., 216 W. Jefferson st.
Troy—H. A. McRae & Co., 137 River st.
Troy Belting & Supply Co.
J. M. Warren & Co.
Utica—Finney & Fuller Co., Inc., 42 Lafayette st.
Genesee Auto Supply Co., 96 Genesee st.
Chas. Miller & Sons Co.
Utica Cycle & Supply Co., 117 Columbia st.
Watertown—John Weeks & Sons Co., 224 Factom st.
Yonkers—J. C. Ryan Co., 58 Main st.
N. C.—Statesville—C. H. Turner.
Winston-Salem—Crawford Mill Sup. Co., 438 Main st.
O.—Akron—East Akron Hdwe. Co.
Hardware & Supply Co.
Mill & Mine Supply Co., 53 Market st.
Shriber-Schroth Co., 27 SE. Market st.
Canton—Canton Hardware Co.
Canton Supply Co.
W. A. Kennedy Hdwe. Co.
Cincinnati—C. & D. Auto Sup. Co., 907 Main st.
I. J. Cooper Rubber Co., Eighth & Main.
V. H. Devor Supply Co., 506 Central av.
Doermann Roehrer Co., 318 E. 3rd st.
E. A. Kensey Co.
National Hdwe. Co.
Queen City Supply Co.
Scallan Supply Co., 122 W. Second st.
Cleveland—W. Bingham Co.
Cleveland Tool & Supply Co., 1515 Columbus rd.
Cray Bros.
Hayes Equipment Co.
Luetkemeyer Co., 725 Superior av.
M. & M. Co., 500 Prospect av.
Mau Sherwood Supply Co., 161 W. 3rd st.
W. N. Pattison Sup. Co., 777 Rockwell av.
Penn. Rubber & Supply Co., 2819 Prospect av.
Strong Carlisle & Hammond Co.
George Worthington.
Columbus—Cussins & Fearn Co., 48 W. Spring st.
Griswold Sohl Co., 79 Front St.
Penn. Rubber & Supply Co.
Sciota Valley Sup. Co.
J. H. & F. A. Sells Co., 32 E. Chestnut st.
Smith Bros. Hdwe. Co.
Coshocton—James B. Clow & Sons.
Dayton—Patterson Tool & Supply.
Greenville—York Supply Co.
(Continued on following page)

BOWEN PRODUCTS CORPORATION—Continued.
Mansfield—Martine Hdwe. Co.
Wagner Hardware Co.
Toledo—Bostwick-Braun Co.
Warren—Warren Hardware Co.
Zanesville—Roekel Co.
OKLA.—Ardmore—Herd-Bailey Hdwe. Co., 9 Main St.
Muskogee—Atlas Supply Co.
W. P. Lantz Mfg. & Sup. Co.
Tulsa—Frick-Reid Supply Co.
ORE.—Portland—Ballou & Wright.
P. J. Cronin Co.
J. E. Haseltine & Co.
Honeyman Hdwe Co., 9th st. & Hoyt st.
M. L. Kline.
Link-Belt Co.
Marshall Wells Hardware Co.
Peerless Pacific Co., 70 Front St.
Portland Mach. Co., 62 First St.
Preer Tool & Sup. Co., 74 Sixth St.
Robertson Hdwe. & Steel Co.
H. W. Sharp Co.
PA.—Allentown-Bee Automobile Co., 15 N. Church St.
Great Eastern Rubber Co.
F. Hersh Hdwe. Co., 825 Hamilton St.
Motor Accessories Co., Inc., 1111 Hamilton St.
C. Y. Schelly & Bros., 32 N. Seventh St.
Wm. H. Taylor & Co., 250 Hamilton St.
Altoona—General Motor Supply Co., 1110 15th St.
Standard Sup. & Equip. Co.
Bradford-Bovaird & Co.
Bradford Supply Co.
Eaton—W. A. Tideman.
Erie—Erie Mfg. & Sup. Co.
Strauss Dilcher Auto Sup. Co., 7th & Peach Sts.
Harrisburg—Front-Market Sup. Co., 109 Market St.
General Auto Sup. Co.
Henry Gilbert & Son.
Hazleton—Hazelton Machy. & Sup. Co.
Huntington—C. H. Miller Hdwe. Co.
Johnstown—Johnstown Automobile Co., Inc.
Lancaster—Cunnings, Bevis & Levan.
Herr & Co.
Raub Supply Co.
Norristown—R. S. Newbold & Sons Co.
Philadelphia—Charles Bond Co., 617 Arch St., Market 3990.
Casanave Supply Co., 1933 Market St., Spruce 9040.
R. J. Crozier Co., 1310 N. American Bldg., Spruce 2450.
Cusack Hdwe. Co., 1004 Arch St.
Fairmount Sup. & Equip. Co., 1022 Arch St., Filbert 4773.
Gaul Derr Shearer Co., 215 N. Broad St.
C. D. Hoffman & Co., 224 Lafayette Bldg., Lombard 1831.
N. M. Holden & Bros., 4325 Frankford St., Frankford 4595.
J. H. McCullough & Son, 257 N. Broad St., Locust 4060.
Maddock & Co., 1304 Race St., Lombard 8980.
Geo. W. Nock Co., 1304 Race St., Lombard 3787.
Powell Clouds & Co., 602 Arch St., Lombard 9168.
Quaker City Sup. Co., 126 Front St.
C. J. Reinear & Co., 58 Arch St.
Sees & Faber Co., 2008 N. Front St., Columbia 0530.
J. Jacob Shannon & Co., 1744 Market St., Spruce 1744.
Spaulding & Metcalf, 532 Arch St., Lombard 8827.
Standard Sup. & Equip. Co., 1710 Market St., Columbia 6400.
Supplee Biddle Hdwe. Co., 513 Commercial, Lombard 8200.
Theo. C. Uiner, Cor. Richardson st., Kensington 5701.
Pittsburgh—Chandler Boyd Supply Co., 47 Terminal, Hemlock 1860.
Colonial Supply Co., 216 Water St., Court 1042.
Frick & Lindsay Co., Sandusky & Robinson, Cedar 5700.
Hukill-Hunter Co., 35 Terminal Way, Hemlock 0720.
Oil Well Supply Co., 215 Water St., Court 3268.
Pittsburgh Auto Equipment Co., 5933 Baum Blvd., Montrose 5300.
Pittsburgh Gage & Supply Co., 30th & Liberty, Grant 6600.
Pittsburgh Supply Co., 2 Rose St., Court 4649.
Somers, Fitler & Todd Co., 327 Water St., Court 4860.
Standard Sanitary Mfg. Co., 439 Water St., Court 3645.
Standard Sup. & Equip. Co., 1207 Liberty Ave., Smithfield 0800.
Superior Auto Accessories Co., 5135 Baum Blvd., Montrose 5437.
Chas. A. Turner, 14 Market st., Court 2446.
Jos. Woodwell Co., Wood St., & Second Ave., Court 1060.
Reading—General Auto Supply Co., 20 N. 5th St.
Reading Fdry. & Sup. Co.
Scranton—Bittenbender Co., 126 Franklin Ave.
Small's Auto Parts Co.
So. Bethlehem—Bethlehem Steel Co.
Wilkes-Barre—Eastern Penn. Sup. Co.
York—H. B. Mehring & Co., 239 N. Georgia St.
R. I.—Pawtucket—Wm. K. Toole Co., 178 Main St.
Providence—Allen & Reed, Inc., 178 Dorrance St.
B. & H. Supply Co., 131 Washington St.
Belcher, Loomis Hdwe. Co.
W. E. Davis & Co., 7 Meadow St.
Providence Mill Sup. Co., 68 W. Exchange St.
R. I. Supply & Sprinkler Co.
Waite Auto Supply Co., 41 Exchange Pl.
S. D.—Sioux Falls—L. & L. Motor Supply Co.
TENN.—Knoxville—W. J. Savage.
Memphis—I. J. Cooper Rubber Co., 23 S. Second St.
Nashville—I. J. Cooper Rubber Co., 1224 Broad St.
TEX.—Beaumont—E. L. Willson Hdwe. Co., 321 Pearl St.
Dallas—Ferris Dunlap Auto Sup. Co., 2029 Commerce St.
Fort Worth—Axtell Co.
Galveston—Black Hdwe. Co.
Houston—F. W. Heitmann Co.
Jos. F. Meyer Co., 802 Franklin Ave.
Wilson Supply Co.
Orange—Sabin Supply Co.
San Antonio—Alamo Iron Works.
Wichita Falls—Petrolia Supply Co.
VA.—Newport News—Noland Co.
Norfolk—Tidewater Supply Co., 40 Commercial Pl.
Richmond—Benton Bailey Co.
Hunter B. Frischkorn, 801 E. Carey St.
James McGraw, Inc.

BOWEN PRODUCTS CORPORATION—Continued.
Smith-Courtney Co.
Southern Railway Supply Co., 1323 E. Main St.
Roanoke—Nelson Hdwe. Co.
Suffolk—Thomas Hdwe. & Sup. Co., 148 E. Washington St.
VT.—Vermont Hdwe. Co., Park Ave.
WASH.—Bellingham—Morse Hdwe Co.
Everett-Agnew Hdwe. Co., 2210 Hewitt Ave.
Seattle—Ballou & Wright.
A. M. Castle & Co. of Wash.
Chanslor & Lyon Co.
Cragin Co.
Puget Sound Machy. Co.
Schwabacher Hdwe. Co., 401 1st Ave. S.
Seattle Hdwe. Co.
Washington Iron Works.
Whiton Hdwe. Co., 104 1st Ave.
Spokane—Holley-Mason Hdwe. Co.
Tacoma—American Plbg. & Steam Sup. Co.
Hunt & Mottet Co., 2112 Pacific Ave.
Reynolds & Reynolds, P. O. Box 1652.
Washington Machy. Depot.
W. VA.—Charleston—Capitol City Supply Co., Cor. Broad & South St.
Motor Car Supply Co., 908 Kanawha St.
Elkins—Valley Supply Co.
Logan—Logan Hardware Co.
Wheeling—Chas. H. Beery Sup. Co., 1222 Main St.
WIS.—Appleton—Schiefer Hdwe. Co.
Green Bay—Bay Verte Machy. Sup. Co.
Milwaukee—American Machy. Co., 103 W. Water St.
P. H. Gross Hdwe. & Sup. Co., 216 Third St.
John Pritzlaff Hdwe. Co., 51 W. Water St.
Robert Rom Co.
Suelfohn & Seefeld, 45 2nd St.
Western Iron Stores Co., 145 W. Water St.
Racine—Mohr Jones Hdwe. Co.

Bowen, S. R., Co., see Baker Casing Shoe Co. (successors)
Bower Chemical Mfg. Co., Henry, 2815 Gray's Ferry Road, Philadelphia, Pa.
Bower, F. C., canned goods, Troutville, Va.
Bower Knitting Co., sweaters, etc., Hawley, Pa.
Bower, Lee & Son, canned goods, Troutville, Va.
Bower Mfg. Co., truck trailers, Fowler, Ind.
Bower Roller Bearing Co., Hart Ave. and Goethe St., Detroit, Mich.
Bower's Machine Works, Canon, Ga.
Bowerbank Expansion Radiator Co., 1012 S. Los Angeles, Los Angeles, Cal.
Bowers & Bartlett, Inc., Riverdale, Md.
Bowers Bros., contractors, Fargo, N. D.
Bowers Bros. & Co., heating contrs., 2015 Sansom, Philadelphia, Pa.
Bowers, Chas., contractor, Arcanum, Ohio.

BOWERS CO., S. P., 1628 Arch St., Philadelphia, Pa.
Pres.—S. P. Bowers.
New York—90 West St., A. L. Richardson.

Bowers Heating Co., W. A., 484 Market St., Milwaukee Wis.
Bowers, L. M., & Co., mchsts. & fndrs., Binghamton, N. Y.
Bowers Mach. Co., laboratory lathes & dental water motors, Lancaster, Pa.
Bowers Mfg. Co., sheet metal stamping, ties & valleys, 35th & Hill, Los Angeles, Cal.
Bowers, M. B., machsts. & fndrs., Hackettstown, N. Y.
Bowers Pottery Co., Mannington, W. Va.
Bowers, R. C., Granite Co., Montpelier, Vt.
Bowers, Warren, machsts., Chicora, Pa.
Bowers, Thos. B., naval architect, 822 Lafayette Bldg., Philadelphia, Pa.
Bowes, Walter H., Co., Inc., paper & pulp mill machy., 10H Hoyt, Norwalk, Conn.
Bowie County Cotton Oil Co., meal fertz. mfrs., New Boston, Tex.
Bowie & Love Co., Tacoma, Wash.
Bowie Lumber Co., Ltd., Bowie, La.
Bowie Stove Co., Rome, Ga.
Bowie Switch Co., 14 Montgomery, San Francisco, Cal.
Bowker Bros., trunk mfrs., 23 Otis, Boston, Mass.
Bowker Chemical Co., oxide of iron, etc., 40 West, New York.
Bowker, F. S., ship bldr., Phippsburg, Me.
Bowker Fertilizer Co., 43 Chatham, Boston, Mass., & 60 Trinity Pl., New York.
Bowler & Jones, harness mfrs., Freeport, Ill.
Bowler Fdry. Co., 1688 Columbus Road, Cleveland, O
Bowler Lbr. Co., Bowler, Wis.
Bowler, M. J., carriages, Holyoke, Mass.
Bowler, T. J., Hardware Co., 305 W. Randolph, Chicago, Ill.
Bowles & Bals, mattresses, Corry, Pa.
Bowles Bros. Co., flour, Los Angeles, Cal.
Bowling Green Die & Tool Co., The, Bowling Green, O.
Bowling Green & Green River Quarries Co., Bowling Green, Ky.
Bowling Green Mach. Co., Bowling Green, Ky.
Bowling Green Milling Co., flour, Bowling Green, Ky.
Bowling Green Motor Truck Co., Bowling Green, Ohio.
Bowlus Mfg. Co., Springfield, O.
Bowman, Ben., contractor, Newport, Ky.
Bowman, C. P., Hardware Co., Staunton, Va.
Bowman Carriage Co., auto bodies, wheels, etc., Sacramento, Cal.
Bowman-Carson, Madison & E. Water, Portland, Ore.
Bowman Co., D. F., New Albany, Ind.
Bowman Co., Geo. H., 224 Euclid, Cleveland, O.
Bowman-Edson Co., M. K., 65-67 Dey St., New York.
Bowman, Geo. A., mill & facty. supplies, Utica, N. Y.

BOWMAN, JOSEPH C., 621 Penton Bldg., Cleveland, O.

Bowman Lbr. Co., Williamsport, Pa.
Bowman, Paul G., machsts., Bellefontaine, Ohio.
Bowman, S. H., Lbr. Co., 1121 Lbr. Ex., Minneapolis, Minn.
Bowman, Sidney B., Auto Co., Broadway & 131st, New York.
Bowman Supply & Mfg. Co., plumbers' & mill & facty. supplies, 890 Progress, Pittsburgh, Pa.
Bowman Technical School, engng., Lancaster, Pa.
Bowman, Walker, 25 W. 42nd St., New York.
Bowman, Wm., scrap iron, 1325 Eastern Ave., Baltimore, Md.
Bowman's, Ezra F., Sons, machsts. & fndrs., Lancaster, Pa.
Bown, Geo. G., & Sons, carriages, Fairport, N. J.
Bowring Co., 17 Battery Pl., New York.
Bowser & Co., Inc., S. F., Fort Wayne, Ind.
Bowser & Son, R. M., Renfrew, Pa.
Bowser Furn. Co., Dept. H, Little Rock, Ark.
Bowser Sanitary Mfg. Co., water closets, Lafayette, Ind.
Bowsher Co., N. P., Saple & Webster Sts., South Bend, Ind.
Bowyer, O. M., machsts. & fndrs., Fincastle, Va.

BOX & CO., INC., ALFRED, 2210 E. Ontario St., Philadelphia, Pa.
Pres.—Herman L. Winterer.
Sec.—G. A. Mitchell.
Treas.—Frank J. Winterer.

Box, Albert K., music cabinets, Pulaski, N. Y.
Box Iron Wks. Co., Wm. A., 3309 Blake St., Denver, Colo.
Boxall, Jas., rattan & reed furniture, 3406-10 S. Park Ave., Los Angeles, Cal.
Boxill & Bruel, 351 Transportation Bldg., Indianapolis, Ind.
Boxley, W. W., & Co., stone producers, First National Bank Bldg., Roanoke, Va.
Boxton, Geo. W., & Son, contractors, Hearst Bldg., San Francisco, Cal.
Boyajohn & Barr, contrs., Brunson Bldg., Columbus, O.
Boyce & Veeder Co., Inc., fire extinguishers, 68 Hunter's Point Ave., Long Island City, N. Y.
Boyce, Alex. R., machsts., ft. Front, Long Island City, N. Y.
Boyce Cotton Oil & Mfg. Co., Ltd., Boyce, La.
Boyce Hardware Co., Port Huron, Mich., & Wellsville, N. Y.
Boyce Lumber & Realty Co., Boyce, La.
Boyce, W. E., Bldg. & Mfg. Co., 1553 N. Wells, Chicago, Ill.
Boyd, C., Paper Co., Appleton, Wis.
Boyd, Count R., Nashville, Tenn.
Boyd, Dunham & Co., meat packers, 208 S. La Salle, Chicago, Ill.
Boyd, Higgins & Goforth, contrs., Realty Bldg., Charlotte, N. C.
Boyd, J. S., Co., velvets, Williamstown, Mass.
Boyd, Jas., candles, 408 W. 26th, New York.
Boyd, Jno., Plumbing & Htg. Co., 400 Columbus Ave., New York.
Boyd, Lawrence V., architect, Harrison Bldg., Philadelphia, Pa.
Boyd Lbr. Co., Boydville, Ga.
Boyd Paper Co., Charles S., Appleton, Wis.
Boyd-Sinclaire Co., lbr., 30 Church, New York.
Boyd's City Dispatch, 114-120 E. 23rd St., New York.
Boydell Bros. White Ld. & Col. Co., 432 E. Lafay, Detroit, Mich.
Boye & Emmes Machine Tool Co., The, 2245-51 Spring Grove Ave., Cincinnati, O.
Boye Needle Co., The, 4343 Ravenswood Ave., Chicago.
Boyer & Co., W. W., 2341 Boston, Baltimore, Md.
Boyer, A., Broom Co., Galesburg, Ill.
Boyer, Campbell Co., mill & facty. supplies, H. Boyer Bldg., Detroit, Mich.
Boyer Chemical Laboratory Co., 940 N. Clark St., Chicago.
Boyer, Evans & Co., 1115 S. 15th St., Philadelphia, Pa.
Boyer Furnace Co., 204 Market, Portland, Ore.
Boyer, Harry, Inc., contrs., Billings, Mont.
Boyer, J. C., 204 Market, Portland, Ore.
Boyer, J. Frank Co., htg. contrs., Norristown, Pa.
Boyer, Kienle Company, Inc., 25 W. Broadway, New York.
Boyer, Mahlon H., lumber, Pine Grove, Pa.
Boyer Oil Co., Inc., 25 W. Bway, New York.
Boyertown Burial Casket Co., Boyertown, Pa.
Boyes, Hulshizer & Co., flour, Seward, Neb.
Boyeson, H. C., & Co., advtg. novelties, 350 Minnesota St., St. Paul, Minn.
Boykin Lumber Company, 1108 Carter Bldg., Houston, Tex.
Boykin Machinery & Supply Co., Inc., Beaumont, Tex.
Boyle-Robertson Constr. Co., Evans Bldg., Washington, D. C.
Boyle-Dayton Co., The, 52nd St. and Santa Fe Ave., Los Angeles, Cal.
Boyle & Co., C. A., 641 Washington Blvd., Chicago.
Boyle & Co., Inc., John, 112 and 114 Duane St., New York.
Boyle Bros., machsts. & fndrs., Woodward, Okla.
Boyle Can Co., Wolfe & Thames, Baltimore, Md.
Boyle Co., A. S., 1934 Dana, Cincinnati, O.
Boyle Inc., Clarence, 11 S. La Salle St., Chicago.
Boyle, Jas., cattle stanchions, Salem, Ohio.
Boyle, John, & Co., machsts. & fndrs., Peabody, Mass.
Boyle, Jno., Co., mural decorators, 3 Franklin Sq., New Britain, Conn.
Boyle, John, & Co., canvas roofing & tents, etc., 112 Duane, New York.
Boyle, John F., Co., paper & pulp mills, 500 Montgomery, Jersey City, N. J.
Boyle, John, Jr., patent atty., Ouray Blvd., Washington, D. C.
Boyle Mfg. Co., Santa Fe Ave. and 51st St., Los Angeles, Cal.
Boyle, P. J., mach. & fndr., Mangum, Okla.
Boyle, Thos., cornices, La Salle, Ill.
Boyle, Thos., stone, 174 Riverside Ave., Newark, N. J.
Boyles Bros., diamond drilling contrs., Peyton Bldg., Spokane, Wash.
Boylston Steam Specialty Co., 116 W. Illinois St., Chicago. (Now Western Keeley Steam Specialty Co.)
Boyne City Chemical Co., Boyne City, Mich.
Boyne City Lumber Co., Boyne City, Mich.
Boynton, C. W., Sewaren, N. J.
Boynton & Church, contractors, Merchants National Bk. Bldg., St. Paul, Minn.
Boynton Flooring Corp., Flatiron Bldg., New York.
Boynton Furnace Co., 58 W. 40th St., Chicago.
Boynton Furnace Co., 106 W. 37th St., New York.
Boynton Lumber Co., White City, Tex.
Boynton Lumber Co., A. L., Lufkin, Tex.
Boynton, W. J., turpentine, Havana, Fla.
Boyt, Walter Co., harness, Des Moines, Iowa.
Boyts, Porter & Co., Connellsville, Pa.
Bozarth Lbr. Co., Egg Harbor City, N. J.
Bozman, C. W., & Sons, canned goods, Eden, Md.
Braas & Kuhn Co., interior hardwood & office fixtures, 1917 Bryant, San Francisco, Cal.
Braas Bros. Co., contractors, Niagara Falls, N. Y.
Braasch, A. J., Heater Co., 1041 Orange Drive Ave., Los Angeles, Cal.
Brabson Bros., machsts. & fndrs., hdwe. mfrs., 47 Hamilton, Newark, N. J.
Brace & Hergert Mill Co., Westlake & Valley Sts., Seattle, Wash.
Brace Leather Goods Co., auto straps, Pontiac, Mich.
Brach Supply Co., L. S., 129 Sussex Ave., Newark, N. J.
Bracher Co., Inc., The, 208 Main St., Belleville, N. J.
Brackbill, T. L., carriages, Strasburg, Pa.
Bracken-Comer Lumber Co., Vicksburg, Miss.
Bracker Constr. Co., 638 Builders Exch., Minneapolis, Minn.
Brackett Bridge Co., steel struct. wk., First Nat. Bank Bldg., Cincinnati, Ohio.
Brackett Construction Co., 1st Nat. Bk. Bldg., Cincinnati, Ohio.
Brackett, H. F., & Co., scrap iron & steel, 77 Newman, Boston, Mass.
Brackett, J. L., & Co., trunk mfrs., 265 Middle, Portland, Me.

Brackett, Shaw & Lunt Co., gas engines, water supply systems, etc., 1 Washington, Boston, Mass.
Bradbury Bros. Heating Co., htg. contrs., 1219 Stout, Denver, Colo.
Bradbury Marble Co., 4165 Duncan, St. Louis, Mo.
Braddock Lumber Co., Braddock, Pa.
Braddock Mfg. Co., Braddock, Pa.
Braden, A. R., lumber, Clarington, Pa.
Braden Mfg. Co., conductor pipe mfrs., cornices, 931 N. 14th, Terre Haute, Ind.
Braden Printing Ink Co., 104 St. Clair, Cleveland, O.
Braden Tire & Rubber Co., 325 W. Pico, Los Angeles, Cal.
Bradentown Hardware Co., Bradentown, Fla.
Bradford & Co., advtg. nov. & spec., St. Joseph, Mich.
Bradford & Deruchie, cornices, 439 E. Water, Syracuse, N. Y.
Bradford & Elliott, flour mills, Sunrise, Ky.
Bradford Belting Co., 29 Murray St., New York.
Bradford Brick & Tile Co., Bradford, Pa.
Bradford Co., Jas., 212 Market St., Wilmington, Del.
Bradford Co., advtg. signs, St. Joseph, Mich.
Bradford Co., importer of aluminum products, 250 5th Ave., New York.

BRADFORD CORPORATION, THE, New York, Chicago, Washington, D. C., Atlanta, Ga., San Francisco, Cal., Mexico City, Montreal, Can

Bradford Fireproofing Co., (now Bradford Brick & Tile Co.), Bradford, Pa.
Bradford, G. M., pckg. box mfrs., Williamsburg, Mass.
Bradford, Geo. W. W., canned goods, Bel Air, Md.
Bradford Hdw. Lbr. Co., Bradford, Pa.
Bradford-Kennedy Co., lumber, Omaha, Nebr.
Bradford Kyle & Co., Plymouth, Mass.
Bradford, Louis, Lumber Co., South Omaha, Nebr.
Bradford Machine Tool Co., 8th and Evans Sts., Cincinnati, O.
Bradford Milling Co., flour, Bradford, Tenn.
Bradford Motor Wks., Bradford, Pa.
Bradford Oil Co., Lynn, Mass.
Bradford Pressed Brick Co., Bradford, Pa.
Bradford, R. E., auto gloves, Gloversville, N. Y.
Bradford Supply Co., oil well supplies, Bradford, Pa.
Bradford, Thos., machsts., Danielson, Conn.
Bradford, Wm. A., Co., soil, pipe, hooks, Chestnut, Quincy, Mass.
Bradford Wool Comb Co., 1908 E. Westmoreland, Philadelphia, Pa.
Bradl, Frank, cornices & skylights, Ludington, Mich.
Bradlee & Chatman Co. 53 State St. Boston Mass.
Bradlee & Co., Inc., 1615 N. Delaware St., Philadelphia, Pa.
Bradley & Co., contrs., Portsmouth, Ohio.
Bradley & Dillon, New Haven, Conn.
Bradley & Farnham, can openers, locks, catches, etc., Middlefield, Conn.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Bradley & Smith, 251 Pearl St., New York.
Bradley & Vrooman Co., 2632 S. Dearborn St., Chicago.
Bradley, C. C., architect, 38 S. Andrews, St. Louis, Mo.
Bradley, C. E., Motor Co., spark plugs, 268 Diamond, Philadelphia, Pa.
Bradley Car Co., Osgood, West Boylston St., Worcester, Mass.
Bradley, Chas. S., canned goods, Preston, Md.
Bradley Co., cornices, 158 Orange, New Haven, Conn.
Bradley Co., lumber, Tomahawk, Wis.
Bradley Co., I. B., Reno, Nev.
Bradley Co., Milton, 43 Cross St., Springfield, Mass.
Bradley Co., W. T., 9th and Thompson Ave., Philadelphia, Pa.
Bradley Construction Co., W. B., Richmond, Va.
Bradley Contracting Co., 175 5th Ave., New York.
Bradley Corp., C. E., (Handles), Brattleboro, Vt.
Bradley Ford Co., ambulances, hearses, Cicero, Ill.

BRADLEY HAMMER CO., INC., C. C., 432 N. Franklin St., Syracuse, N. Y.

Secy.—F. L. Scharff.
Treas.—C. C. Bradley, Jr.
Foreign Agents:
Alsace-Lorraine, Luxemburg—Fenwick Freres & Co.
Belgium, Liege—Fenwick Freres & Co.
Brazil, Rio de Janeiro—Fenwick Freres & Co.
China, Shanghai—Andersen, Meyer & Co., Ltd.
Copenhagen, Denmark—Chas. A. Herstad.
England, London—Buck & Hickman, Ltd.
France, Paris, Lyon, Rhone—Fenwick Freres & Co.
Italy, Turin—Fenwick Freres & Co.
Portugal, Lisbon—Fenwick Freres & Co.
Spain, Barcelona—Fenwick Freres & Co.
Switzerland, Zurich—Fenwick Freres & Co.

Bradley Heating Co., 3834 Olive, St. Louis, Mo.
Bradley, J. R., Co., mill & facty. supplies, Reno, Nev.
Bradley, John, tubular boilers, 317 Ferry, Newark, N. J.
Bradley, K. B., Const. Co., 1925 E. 16th, Los Angeles, Cal.
Bradley Knitting Co., Delavan, Wis.
Bradley Lumber Co., Warren, Ark.
Bradley Lumber & Mfg. Co., Ashepoo, S. C.

BRADLEY MFG. CO., A. J., 101 Beekman, New York.

Bradley Mfg. Works, machsts., brass & composition fndrs., Bradley, Ill.
Bradley, Miller & Co., Bay City, Mich.
Bradley Motor Car Co., Cicero, Ill.
Bradley, N. B., & Sons, salt mfrs., Bay City, Mich.
Bradley, Osgood, Car Co., car axles, bldrs., wheels, etc., W. Boylston, Worcester, Mass.
Bradley, P., & Sons, agricultural implements, Harrisonburg, Va.
Bradley, Perry, machinist, Oberlin, Kans.
Bradley Polytechnic Institute, engng. schools & coll., Peoria, Ill.
Bradley Pulverizer Co., 92 State St., Boston, Mass.
Bradley Pulverizing Co., machy., 92 State St., Boston, Mass.
Bradley, S. M., lumber, Morehead, Ky.
Bradley Stencil Machine Co., 3749 Forest Park Blvd., St. Louis, Mo.
Bradley, Thos. H., mill & facty. supplies, Watertown, N. Y.
Bradley, W. C., Co., fertilizer, Columbus, Ga.
Bradley-Wise Paint Co., 49th & Pacific Blvd., Los Angeles, Cal.
Bradley, Wm., & Son, stone producers, 547 Vernon Ave., Long Island City, N. Y.
Bradley Mach. Co., Inc., brick conveyors, cranes, Middletown, N. Y.
Bradshaw & Co., brick, tile, Fort Dodge, Iowa.
Bradshaw, Alfred, contr., Oakville, Conn.
Bradstreet, Wm. H., plate glass, 165 S. Pearl, Albany, N. Y.
Bradt, H. R., leather, Gloversville, N. Y.
Bradt Paint Specialty Co., Troy, N. Y.
Bradway, C. P., Machine Wks., West Stafford, Conn.
Brady & Son, M. F., Yeon Bldg., Portland, Ore.
Brady Brass Co., 170-182 14th St., and 169-175 15th St., Jersey City, N. J.
Brady Bros., contractors, Bayonne, N. J.
Brady Bros., North Tonawanda, N. Y.
Brady Elec. & Mfg. Co., 42 Central Ave., New Britain, Conn.
Brady, F. A., Inc., hdwe. whol., 30 Church, New York.
Brady, John T., & Co., contractors, 193 Park Ave., New York.
Brady's, Jas., Sons Co., contractors, Bayonne, N. J.
Braeburn Steel Co., Braeburn, Pa.
Braender Rubber & Tire Co., 515 Paterson Ave., Rutherford, N. J.
Bragaw Fertilizer Co., Washington, N. C.
Bragdon, John C., 711 Penn Ave., Pittsburgh, Pa.
Bragdon, L. C., granite prod., Franklin & North Sullivan, Me.

BRAGDON, LORD & NAGLE, publishers, 334 4th Ave., New York.

Brager, B. (Display Fixtures), 46 W. 21st St., New York.
Brager Bros., 22 W. 24th, New York.
Bragg, Jno. I., machsts., 24 Atwood, Providence, R. I.
Bragg, N. H., & Sons, wholesale hdwe., Bangor, Me.
Bragger, J. J., fndrs., Watertown, N. Y.
Bragonier, A. C., & Son, lubrg. oils, 343 N. Calvert, Baltimore, Md.
Bragstad Concrete Machy. Co., Canton, S. D.
Braid & Hutton, Inc., Savannah, Ga.
Braid Electric Co., machsts. & fndrs., 234 2nd Ave. N., Nashville, Tenn.
Brainard & Wilson Co., sliding furn. shoes, Danbury, Conn.
Brainard Bros., centrifugal pumps, 126 O, Sacramento, Cal.
Brainard Bros., meat packers, 15 Exch. Pl., Jersey City, N. J.
Brainard Pulverizer Co., 37 W. Van Buren St., Chicago.
Brainerd & Armstrong Co., see Corticelli Silk Co. (successors)
Brainerd, J. W., Steel Co., rivet, etc., Warren, Ohio.
Brainerd Mfg. Co., The, East Rochester, N. Y.
Brainerd Shaler & Hall Quarry Co., Portland, Conn.
Braintree Rubber Cement Co., S. Braintree, Mass.
Braithwaite Bros., canned goods, Cross Junction, Va.
Braithwaite, C. W., Co., label & paint mfrs., 1213 W. Van Buren, Chicago, Ill.
Brake Equip. & Supply Co., 426 S. Clinton St., Chicago.
Brakeley, A., canned goods, Bordentown, N. J.
Brakeley, J., canned goods, Freehold, N. J.
Braman, Dow & Co., mill & facty. supplies, 239 Causeway, Boston, Mass.
Braman Mfg. Co., wood nov., Carthage, N. Y.
Brambach Piano Co., 133 E. 97th, New York.
Bramble, James A., canned goods, Joppa, Md.
Bramble, T. M., & Co., canned goods, Cambridge, Md.
Bramcote Fdry. & Mach. Co., Pottstown, Pa.
Bramhall-Deane Co., cooking app., 261 W. 36th, New York.
Bramlage, Louis, lbr., Hamburg, Ind.
Brammer Mfg. Co., H. F., 1441-2nd St., Davenport, Ia.
Branan, Dow & Co., Boston, Mass.
Branch Saw Co., 2323 N. 9th, St. Louis, Mo.
Branchland Supply Co., mill & facty. supplies, Bank Bldg., Huntington, W. Va.
Brand & Co., S. H., 559 W. Lake St., Chicago.
Brand & Hardin Milling Co., flour, Saginaw, Mich.
Brand & Herrman, electro plating, 247 Centre, New York.
Brand & Newmeyer Granite Co., Lithonia, Ga.
Brand, August, carriages, Springfield, Ill.
Brand, Chas. F., burners, furnaces, garbage, etc., 16th & Jacob, Wheeling, W. Va.
Brand-Dunwoody Milling Co., flour, Joplin, Mo.
Brand Granite Co., John T., Lithonia, Ga.
Brand, Gustave A., & Co., leaded glass, 1428 Michigan Ave., Chicago, Ill.
Brand, Herman, bone dealer, 404 E. 48th, New York.
Brand Stove & Range Co., North Milwaukee, Wis.
Brand, William F., flour mills, Staunton, Va.
Brandau Shoe Co., 250 W. Jefferson, Detroit, Mich.
Brandenburg, E. T., patent attorneys, 3332 Tennyson, C. C. D. C., Washington, D. C.
Brandenstein, M. J., Co., grass matting, 665 3d, San Francisco, Cal.
Brandes, C., radio head sets, 237 Lafayette, New York.
Brandes Chemical Co., preservative paint, 87 34th, Brooklyn, N. Y.
Brandies Machinery & Supply Co., contractors' tools & supplies, 331 W. Main, Louisville, Ky.
Brandis & Sons, Inc., 754 Lexington Ave., Brooklyn, N. Y.
Brandlein, R., & Co., card tables, 381 10th, San Francisco, Cal.
Brandmeir-Rounds Lumber Co., White Bldg., Seattle, Wash.
Brandon, Isaac, & Bro., crude rubber, 17 Battery Pl., New York.
Brandon Lime & Marble Co., Leicester Jct., Vt.
Brandon Lumber Co., Auburn, Ind.
Brandon Lumber Co., St. Marys, Ga.
Brandon Mills, cotton sheetings, Greenville, S. C.
Brandon Printing Co., Nashville, Tenn.
Brandow Printing Co., Albany, N. Y.
Brandsford & Son, G. H., Fulton, Ky.
Brandt & Haag Inc., 65 Veesey St., New York.
Brandt, A., Upholstering Co., bed springs, Fort Worth, Tex.
Brandt Bros., 20 Main St., Spokane, Wash.
Brandt Bros. & Co., contrs., Ind. Trust Bldg., Indianapolis, Ind.
Brandt, C. H. W., chicory mfrs., Stockton, Cal.
Brandt Clay Products Co., drain tile, Binghamton, N. Y.
Brandt-Dent Co., Watertown, Wis.
Brandt, F. W., machsts. & fndrs., Carmi, Ill.
Brandt, J. M., machst. & fndr., Bellevue, Iowa.
Brandt Mfg. Co., Watertown, Wis.
Brandt, Randolph, 70 Cortlandt St., New York.
Brandweln, A., mattresses, 2341 S. State, Chicago, Ill.

BRANDYWINE FIBRE PRODUCTS CO., East Wilmington, Del.

Brann & Stuart Co., contractors, Commer. Trust Bldg., Philadelphia, Pa.
Brannin, Roy H., 110 W. 40th St., New York.
Branning Mfg. Co., The, Norfolk, Va.
Brannum-Keene Lbr. Co., sash, door & blind mfrs., Indianapolis, Ind.
Brannum Lumber Co., Alexandria, Ind.
Bransford, C. H., & Son, brick, Fulton, Ky.
Bransford Mills, flour, Owensboro, Ky.
Bransford, T. L., & Sons, brick, common, Union City, Tenn.
Branson Brick Co., Marlin, Tex.
Branson & Griswold Hdwe. Co., Trinidad, Colo.
Branston Co., Chas. A., 815 Main St., Buffalo, N. Y.
Brant & Apple Co., ties, poles & posts, Lucasville, O.
Brant, A. A., Lumber Co., Toms River, N. J.
Branthoover & Johnston Co., mill & facty. supp., Cambridge, Ohio.
Brantley, W. L., lumber, Sylvania, Ga.
Brasco Mfg. Co., 5035 Wabash Ave., Chicago.
Brascolite Company, The, St. Louis, Mo. (Now Edwin F. Guth Co., St. Louis, Mo.)
Brasher, H. D., Lbr. Co., Columbus, Ohio.
Brass & Bronze Orna. Art Mfg. Co., see Brass & Bronze Lighting Fixtures Co. (successors)
Brass City Lbr. Co., sash door & blind mfrs., 60 Meadow, Waterbury, Conn.
Brass City Machine & Tool Works, Inc., Waterbury Conn.
Brass Fixtures Co., desk telephones, brackets, Southington, Conn.

BRASS FOUNDRY CO., 700 McAdams St., Peoria, Ill.

Brass Fndrs. Supply Co., Wilson Ave., Newark, N. Y.
Brass Goods Mfg. Co., Union and Nevins Sts., Brooklyn, N. Y.
Brass Industrial Wks., castings, Petersburg, Ill.
Brass Products Co., brass fndrs., 3661 Palmer, Detroit, Mich.
Brass World Publishing Co., 153 Waverly Pl., New York.
Brassart Fixture Co., elec. & gas light fixtures, 20 Warren, New York.
Braswell, S. G., flour mills, Boma, Tenn.
Brattain, E. C., lumber, Lena, Ind.
Braude-Pierce Furniture Co., Warsaw, Ind.
Braudy & Son, M., 420 Alabama St., N. W., Grand Rapids, Mich.
Brauer & Son Co., Justus, (Corks), 108 Arch St., Philadelphia, Pa.
Brauer Acetylene Lighting Co., Marshalltown, Ia.
Brauer, A. G., Supply Co., machsts., 316 N. 3rd St., St. Louis, Mo.
Brauer Bros. Mfg. Co., sporting goods, 817 N. 17th, St. Louis, Mo.
Brauer, Reuter & Brauer Co., 1385 E. 7th, Los Angeles, Cal.
Braum Corp., 363 New High St., Los Angeles, Cal.
Braumuller Piano Co., 334 W. 42nd, New York.
Braun Bros. & Co., lumber, Athens, Wis.
Braun Bros., contrs., Dubuque, Iowa.
Braun, C. F., & Co., oil condensers, coolers, stainers, etc., Mission Rd. & Fremont Ave., Los Angeles, Cal.
Braun Co., coffee mills, food choppers, etc., 1615 N. 23rd, Philadelphia, Pa.
Braun Electric Mfg. Co., motors, Canal, Dover, Ohio.
Braun, Frank, & Son, contrs., 376 Broadway, Albany, N. Y.
Braun Gear Works, 1323 Gates Ave., Brooklyn, N. Y.
Braun, H., & Son, contrs., Atchison, Kan.
Braun, Inc., J. G., 615 S. Paulina St., Chicago.
Braun, J. G., ornamental iron work, 609 S. Paulina, Chicago, Ill.

BRAUN, PAUL, brushes, 1622 Decatur, Brooklyn, N. Y.

Braun, Wm., & Co., elec. contrs., 30 Church, New York.
Braunfels, Browning & Co., 1940 Park Ave., New York.
Braun-Knecht-Heimann Co., 756 Mission, San Francisco, Cal.
Braunlich, C. F., & Co., hdwe., Wheeling, W. Va.
Braunschweig-Briam-Reich Co., whol. hdwe., 106 E. Commerce Ct., San Antonio, Tex.
Braunschweiger Bros., machinists, Toledo, Ohio.
Braunsdorf-Mueller Co., 205 Madison Ave., Elizabeth, N. J.
Braunsdorf, Geo. W., paper, fibre & felt washers, 430 E. 53rd, New York.
Braunsdorf, John H., machinist, Pearl River, N. Y.

BRAWLEY, T. R., 270 20th St., Brooklyn, N. Y.

Brawn, Curtis & Brown, furniture, Dept. H, Syracuse, N. Y.
Braxmar Co., C. G., 10 Maiden Lane, N. Y.
Bray & Kates Co., cans, Arlington Heights, Ill.
Bray, J. N., Lumber Co., Cecil, Ga.
Bray, J., Slate Co., roofing slate, E. Bangor, Pa.
Bray Lbr. & Box Co., Bray, Cal.
Bray Pictures Corp., 208 S. La Salle St., (New Picture Service Corp.), Chicago.
Brayer Bros., contractors, Smith Blk., Auburn, N. Y.
Brayer, Wm., machsts. & fndrs., South Haven, Mich.
Brayman Water Tight Drain Co., 133 W. 52nd St., New York.
Brayton Foundry Co., L., River Point, R. I.
Brayton, L., Fndry Co., River Point, R. I.
Brazil Clay Co., Brazil, Ind.
Brazil Fluid Fuel Burner Co., Montgomery, Ala.
Brazil Hollow Brick & Tile Co., Brazil, Ind.
Brazil Stamping & Mfg. Co., Oakdale & Oakley, Chicago.
Brearley, H. P., 90 West St., New York.
Breault, M., Co., box shooks, Cohoes, N. Y.
Brazel Novelty Mfg. Co., advtg. nov., 1710 Ella, Cincinnati, Ohio.
Brazelton Lumber Co., Waco, Tex.
Brazil Face Brick Co., Brazil, Ind.
Brazil Lumber Co., Brazil, Ind.
Brazil Mach. & Fndry. Co., Brazil, Ind.
Brazilian Turpentine Co. (Ltd.), Glenshaw, Pa.
Brazos, A., & Sons, contractors, Middletown, Conn.
Brazos Valley Cotton Mills, West Tex.
Breaithwaite, Thos., knitted gloves, Vineland, N. J.
Breakey, L. I., gauge glass fitting, 712 N. State, Marshall, Mich.
Brear, S. D., & Son, tubular boilers, Tacoma, Wash.
Breathwaite, Wm., sweaters, etc., 4931 Gtn. Ave., Gtn., Philadelphia, Pa.
Breault, M., Co., box shooks, Cohoes, N. Y.
Breaux Bridge Brick & Milling Co., Ltd., Breaux Bridge, La.
Breaznell, J. H., battery connectors, 26 Court, Brooklyn, N. Y.
Brecher, E. A., & Co., carbon paper, etc., 120 Walker, New York.
Brecht Butchers' Supply Co., 1201 Cass St., G. V. St. Louis, Mo.
Brecht Co., The, See Brecht Butchers' Supply Co., G. V., St. Louis, Mo.
Brecht Co., packing house equip., 1201 Cass Ave., St. Louis, Mo.
Breck & Sons Corp., Jos., Boston, Mass.
Breck Photoplay Supply Co., Stereopticons, San Francisco, Cal.
Breckwoldt, J., & Co., sounding boards, Dolgeville, N. Y.
Bredell's Composition Co., paints, 521 Washington, New York.
Bredell's Composition Co. of Pacific Coast, paints, 818 Mission, San Francisco, Cal.
Bredow, Robt. A., hat blocks, 1313 E. 6th, Los Angeles, Cal.
Bredt & Co., F., 240 Water St., New York.
Breeall, Jas., architect, Hibbs Bldg., Washington, D. C.
Breece Mfg. Co., carriage & wagon wheels, Portsmouth, Ohio.
Breeding, W. R., & Son, canned goods, Federalsburg, Md.
Breedon, Geo. W., flour mills, Bolivar, Tenn.
Breedon's, Wm., Son, needles (spring knitting), Amsterdam, N. Y.

Breen Art Glass Co., 29 Martin, Milwaukee, Wis.
Breen, Leonard M., bldg. contrs., Paterson, N. J.
Breen, Martin, cornices, Galveston, Tex.
Breen Stone & Marble Co., Kasota, Minn.
Breen, Wm. J., Co., coke & pig iron dlrs., 84 State, Boston, Mass.
Breese & Bennett Co., Mattoon, Ill.

BREESE BROS. CO., THE, 2347 Reading rd., Cincinnati, O.

Breeze Carburetor Co., 250 South St., Newark, N. J.
Breeze Metal Hose & Mfg. Co., 250 South St., Newark, N. J.
Breher, L. S., acetylene gas generators, 183-187 W. Third, St. Paul, Minn.
Brehm Machine & Tool Co., 2093 E. 19th St., Cleveland, O.
Brehmer, F. W., Machine & Tool Co., 815 Broadway, Cincinnati, Ohio.
Breig Bros., contractors, Scranton Real Estate Bldg., Scranton, Pa.
Breinig Brothers, Inc., 3rd & Grand Sts., Hoboken, N. J.
Breining, John A., & Son, lumber, Williamsport, Pa.
Breisinger, Chas., & Son, brick, Bucyrus, Ohio.
Breitag, L., & Son, contrs., S. W. Linwood & Benton, Kansas City, Mo.
Breivogel, Geo., cornices, 46 Rose, New York.
Bremen Fndry. & Mach. Wks., Bremen, Ga.
Bremen Mfg. Co., machinists, Bremen, Ohio.
Bremer, O. A., Co., Inc., water motors, pumps & circuit breakers, 217 Division, Burlington, Iowa.
Bremer-Tully Mfg. Co., 532 S. Canal St., Chicago.
Bremer, W. A., concrete carts & barrows, etc., 3612H S. Alameda, Los Angeles, Cal.
Bremmeyer & Bain Co., whol. hdwe., Petoskey, Mich.
Brenbunfus Engineering Co., Lorain, Ohio.
Breneman & Co., Chas. W., 2045 Reading rd., Cincinnati, O.
Breneman, H. N., & Co., file mfrs., Lancaster, Pa.
Brenham Compress Oil & Mfg. Co., meal, Brenham, Tex.
Brenizer, Warren F., Co., contractors, 205 Q. N. W., Washington, D. C.
Brenkert Light Projection Co., 49 Cortlandt Ave., Detroit, Mich.
Brenman-Somers Co., Inc., 14th & Johnson, Portland, Ore.
Brennan & Co., John, 24th St. & M. C. R. R., Detroit, Mich.
Brennan, J. W., Construction Co., Geneva, N. Y.
Brennan, Joseph F., cornices & skylights, Jacksonville, Ill.
Brennan Loose Leaf Co., 58-62 Canal St., Akron, O.
Brennan Motor Mfg. Co., 500 E. Water St., Syracuse, N. Y.
Brennan Packing Co., meat packers, 39th & Normal Ave., Chicago, Ill.
Brennan, Peter J., & Son, contractors, 624 Madison Ave., New York.
Brennan, Richard, iron wks., forgings, 33 River, Buffalo, N. Y.
Brennan Sand Co., Tullytown, Pa.
Brenneman, J. E., dock bldrs., North American Bldg., Philadelphia, Pa.
Brennen Motor Mfg. Co., 101 Grape, Syracuse, N. Y.
Brenner Bros. Mfg. Co., electric & gas light fixtures, Meriden, Conn.
Brenner, L., & Co., scrap iron, Lebanon, Pa.
Brenner Lumber Co., Ferd., Alexandria, La.
Brenner & Weiner Co., scrap iron, Pottsville, Pa.
Brensike, John, & Son, machsts. & fndrs., Juneau, Wis.
Brenton, T. H., brick, Neligh, Nebr.
Bresee Mfg. Co., contractors, Mattoon, Ill.
Breslauer-Lachicotte & Co., canned goods, Waverly Mills, S. C.

Breslin, Andrew, sash, door & blind, Summit Hill, Pa.
Breslin Boiler & Iron Wks., Fort Smith, Ark.
Bressler, C. O., & Co., cornices, Lebanon, Pa.
Bretch, A., cornices, 20 Stone, Dayton, Ohio.
Brethauer, G. J., Planing Mill Co., 2250 Bogen, Cincinnati, Ohio.
Bretney, H. V., Co., harness leather, Springfield, Ohio.
Brett, W. J., Co., 54 1st, Portland, Ore.
Brett, Wm. P., machinist, Decatur, Ill.
Bretting Mfg. Co., C. G., Ashland, Wis.
Bretscher Mfg. Corp., 29 Congress St., Newark, N. J.
Brettschneider Furn. Co., Dept. H, Appleton, Wis.
Breuninger, L. E., & Sons, contrs., Colorado Bldg., Washington, D. C.
Breuer, C. R., smelting & refining ingots, brass & copper, Beekman & Hopple, Cincinnati, Ohio.
Breul, Fred G., machinery, 282 Kossuth, Bridgeport, Conn.
Brew Mfg. Co., lbr., Puyallup, Wash.
Brewbaker, J. C., canned goods, Buchanan, Va.
Brewer & Co., Inc., pharmaceuticals, 221 Commercial, Worcester, Mass.
Brewer & Co., 35 Arctic St., Worcester, Mass.
Brewer & Co., H., Tecumseh, Mich.
Brewer & Co., Inc., H. K., 42 Exchange Pl., New York.
Brewer, A. G., machsts. & fndrs., Natick, Mass.
Brewer Bros. Co., 2743 N. 2nd St., Philadelphia, Pa.
Brewer, Chas. A., & Sons, vending machy., 6320 Howard Ave., Chicago, Ill.
Brewer Elevator Co., 14 Bowker, Boston, Mass.
Brewer, F. P. & W. A., lbr. mfrs., Saginaw, Mich.
Brewer, J. H., machinist, Mount Vernon, Ohio.
Brewer, L. B., flour, Hickory, N. C.
Brewer-Nienstedt Lbr. Co., Miltonberg, La.
Brewer-Titchener Corp., eyelets, top irons, etc., Cortland, N. Y.
Brewer, Wm. W., candle machy., Troy, N. Y.
Brewers' Journal, trade publication, 1 Hudson, New York.
Brewster Bros., contractors, Independence, Kan.
Brewster & Co., Long Island City, N. Y.
Brewster & Son, masons' matls., Dept. H, Ridgefield Park, N. J.
Brewster & Williams, Inc., arch'l engnrs., 306 S. Salina, Syracuse, N. Y.
Brewster Inc., Morris B., 332 S. Michigan Ave., Chicago.
Brewster Lumber Co., Knowlton, Wash.
Brewster-Morton Co., The, West Conwell, Conn.
Brewster, Wm., & Co., machsts.' tools & marketing machy., 50 Church, New York.
Brewton Iron Works, Brewton, Ala.
Brey & Krause Mfg. Co., Allentown, Pa.
Breyer Bros. Whiting Co., windmills, Waupun, Wis.
Briante Construction Co., Inc., White Plains, N. Y.
Brick & Ballerstein, 126-6th Ave., New York.
Brick & Clay Record, industrial publications, 407 S. Dearborn, Chicago, Ill.
Brick Co., 118 N. La Salle, Chicago, Ill.
Brick, Terra Cotta & Tile Co., Corning, N. Y.
Brickell Constr. Co., Watertown, S. D.
Brickenstein, L. B., rural mail boxes, Winston-Salem, N. C.
Brickey, F. M., & Co., wheat flour, Prairie du Rocher, Ill.
Brictson Mfg. Co., tire protectors, Brookings, S. Dak.
Brictson Mfg. Co., Omaha, Neb.
Bridalveil Canning Co., Ronds, N. C.
Briddell, Chas. D., ice picks, clam knives, 820 W. Main, Crisfield, Md.
Bride, Grimes & Co., htg. contrs., Lawrence, Mass.
Bridge-Sullivan Mfg. Co., 4722 Ballard Ave., Seattle, Wash.
Bridge & Beach Mfg. Co., Union & Brown, St. Louis, Mo.
Bridge's, A. D., Sons, contrs., cloth boards, silos, etc., Hazardville, Conn.
Bridge, Jno., tex. machy. (roll coverers), Chester, Pa.
Bridge, Lewis, & Sons, cornices, Huntington, Ind.
Bridge Shingle Co., lumber, Lawrence, Wash.
Bridgeford Co., machsts. & fndrs., Louisville, Ky.
Bridgeford Machine Tool Works, Rochester, N. Y. (Now Betts Machine Co.)
Bridgeport Art Glass Co., 253 John, Bridgeport, Conn.
Bridgeport Barrel Co., Inc., 675 Union Ave., Bridgeport, Conn.
Bridgeport Body Co., 363 Fairfield Ave., Bridgeport, Conn.
Bridgeport Boiler Wks. Co., Bridgeport, Conn.
Bridgeport Brass Company, E. Main St., Bridgeport, Conn.

BRIDGEPORT CHAIN CO. THE, 1200 Crescent Ave. Bridgeport, Conn.

Bridgeport Coach Lace Co., Bridgeport, Conn.
Bridgeport Cornice Wks., Bridgeport, Conn.
Bridgeport Cutter Co., Inc., milling cutter mfrs., Remer, Bridgeport, Conn.
Bridgeport Deoxidized Bronze & Metal Co., 455 Iranistan Ave., Bridgeport, Conn.
Bridgeport Die & Machine Co., 116 Elm St., Bridgeport, Conn.
Bridgeport Dredge & Dock Co., contrs., E. Washington Ave. Bridge, Bridgeport, Conn.
Bridgeport Engineering Company, Bridgeport, Conn.
Bridgeport Hardware Mfg. Corp., 461 Iron St., Bridgeport, Conn.
Bridgeport Lamp Chimney Co., Bridgeport, W. Va.
Bridgeport Mach. & Tool Mfg. Co., Inc., electric heaters, 304 E. Washington Ave., Bridgeport, Conn.
Bridgeport Malleable Iron Works, 719 South Ave., Bridgeport, Conn.
Bridgeport Metal Goods Mfg. Co., Pine & Cherry Sts., Bridgeport, Conn.
Bridgeport Metal Treating & Mach. Co., case & steel hardening, 528 State, Bridgeport, Conn.
Bridgeport Motor Co., Inc., 105 Kossuth St., Bridgeport, Conn.
Bridgeport Paper Box Co., Bridgeport, Conn.
Bridgeport Pattern & Model Co., Bridgeport, Conn.
Bridgeport Piston Ring Co., Third Ave., Bridgeport, Conn.
Bridgeport Plumbing Supply Co., 262 Noble St., Bridgeport, Conn.
Bridgeport Rolling Mills, Inc., The, Bruse & Stratford Ave., Bridgeport, Conn.

BRIDGEPORT SAFETY EMERY WHEEL CO., 88 Knowlton St., Bridgeport, Conn.

Pres.—E. R. Hyde.
V. P.—D. T. Homan.
Sec.—M. P. Hyde.
Treas.—A. H. Kean.

Bridgeport Screw Co., Union Ave., Bridgeport, Conn.
Bridgeport Sewer Construction Co., 165 Lindley, Bridgeport, Conn.
Bridgeport Testing Laboratory, assayers, 41 Cannon, Bridgeport, Conn.
Bridgeport Wire Goods Co., egg beaters, towel bars, etc., East Port Chester, Conn.
Bridgers, J. D., Co., radius rods, Dept. H, Florence, S. C.
Bridges, E. D., Nevada City, Calif.
Bridges-Smith & Co., paint mfrs., Louisville, Ky.
Bridgeton Chandelier Co., electric & gas light fixtures, Bridgeton, N. J.
Bridgeton Condensed Milk Co., canned, Bridgeton, N. J.
Bridgeton Construction Co., contractors, Bridgeton, N. J.
Bridgewater Brick Co., Bridgewater, Mass.
Bridgewater Machine Co., 33 Cherry, Akron, Ohio.
Bridgewater Mfg. Co., woolen blankets, Bridgewater, Va.
Bridgewater Plow Corp., Bridgewater, Va.
Bridgman Bros. Co., 120 S. 30th, Philadelphia, Pa.
Bridgman, Smith Co., mfrs., fine paper boxes, 487 Kent Ave., Brooklyn, N. Y.
Bridgton Mach. & Lbr. Co., Bridgton, Me.
Bridley-Fuhrman, Martin Co., wholesale hardware, Elmira, N. Y.
Brieck Bros. Co., contractors, McKeesport, Pa.
Brieman, Chas. G., machst. & fndr., Juneau, Wis.
Brien Heater Co., Westfield, Mass.
Brien Stone & Marble Co., Kasota, Minn.
Brier Hill Co., bituminous coal mine, Brier Hill, Pa.
Brier Hill Collieries Co., Montgomery, Tenn.
Brier Hill Sheet Co., see Youngstown Sheet & Tube Co. (successors)
Brier, John T., lbr., mfrs., Bath, Ind.
Brierley Machine Co., 1736 E. 22d, Cleveland, Ohio.
Brierly-Lombard Co., 663 Main St., Worcester, Mass.
Briggs & Allyn Mfg. Co., wood tanks, sash, doors, etc., Lawrence, Mass.
Briggs & Cooper Co. (Ltd.), lbr. mfrs., Saginaw, Mich.
Briggs & Sons Co., J., 65 Clifford St., Providence, R. I.
Briggs & Stratton Co., 1047 Lewis Ave., Milwaukee, Wis.
Briggs Bituminous Composition Co., Inc., 17 Battery Place, New York.
Briggs Carriage Co., auto bodies, trolley wheels, Amesbury, Mass.
Briggs Chemical Works, naphthalene, Amherst, Ohio.
Briggs Company, Lansing, Mich.
Briggs Engineering & Constr. Co., 710 U. L. Bg., Providence, R. I.
Briggs Engng. Co., machinists, 227 24th, Brooklyn, N. Y.
Briggs, Geo. M., Inc., contrs., Newton, Mass.
Briggs, G. S., & Co., lumber mfrs., Norfolk, Va.
Briggs Hardware Co., Neosha, Mo.
Briggs, Inc., Marvin, 167 6th St., Brooklyn, N. Y.
Briggs, Jno. D., architect & engnr., 14 W. Martin, Raleigh, N. C.
Briggs Labor Saving Spec. Co., concrete spreading dump carts, Waterloo, Iowa.
Briggs Lumber Co., Oneonta, N. Y., and Walker, Ore.
Briggs Machy. Co., mill & factory supplies & wood working machy., 124-6-8 2d Ave., Pittsburgh, Pa.
Briggs Mfg. Co., tire fabrics, Voluntown, Conn.
Briggs Mfg. Co., 3001 Leuchner St., Detroit, Mich.
Briggs-Maroney Co., 85 Paris St., Everett, Mass.
Briggs, Oliver L., & Son, billiard tables, 18 Boylston, Boston, Mass.
Briggs Pump Co., Omaha, Nebr.
Briggs-Shaffner & Co., machinists, Winston-Salem, N. C.
Briggs, Thos. H., & Sons, whol. hdwe., Raleigh, N. C.
Briggs Turivas, Inc., 1316 Westminster Bldg., Chicago.
Briggs, W. H., Hardware Co., Valdosta, Ga.
Briggs-Weaver Machinery Co., Dallas, Tex.
Briggs, Wm., 23 Decatur, Brooklyn, N. Y.
Brigham, Arthur A., mill & facty. supplies, 364 Atlantic Ave., Boston, Mass.
Brigham Bros., brick, East Kingston, N. Y.
Brigham City Canning Co., Brigham, Utah.
Bright & Co., Reading, Pa.
Bright-Brooks Lumber Co., Inc., Savannah, Ga.
Bright-Ellsworth Co., chemicals, 1960 Santa Fe Ave., Los Angeles, Cal.

BRIGHT ENVELOPE MFG. CO., Mallers Bldg., Chicago.

Bright, Geo., Pottsville, Pa.
Bright, H. F., Ashland, Pa.

BRIGHT, H. V., 322 Prospect Bldg., Cleveland, O.

Bright, J. H., Contr. & Bldg. Co., Arcade Bldg., St. Louis, Mo.
Bright, John I., Otis Bldg., Philadelphia, Pa.
Bright Light Reflector Co., 494 Gates Ave., Brooklyn, N. Y.
Bright Star Battery Co., 15th St., New York.
Brightman Bros., paint, 15 Center, New Bedford, Mass.
Brightman Furnace Co., 2570 Broadway, Cleveland, O.
Brightman Mfg. Co., Marion Road, Columbus, O.
Brightman Nut & Mfg. Co., Sandusky, O.
Brighton Fire Brick Co., New Brighton, Pa.
Brighton Fdry. Co., 3306 Artesian Ave., Chicago, Ill.
Brighton Mills (Cotton and Special Fabrics), Brighton Ave., Passaic, N. J.
Brighton Mills Co., Brighton, Ore.
Brigman Shingler & Co., turpentine, Milltown, Ga.
Brill Co., The J. G., 62nd and Woodland Ave., Philadelphia, Pa.
Brill Electric Co., Abe, Spartanburg, S. C.
Brilliant Chandelier Mfg. Co., 122 W. 114th St., New York.
Brilliant Mfg. Co., 1035 Ridge St., Philadelphia, Pa.
Brilliant Search Light Mfg. Co., Desk 5, 508 S. Dearborn St., Chicago.
Brilliant Sign Co., 3531 Washington Ave., St. Louis, Mo.
Brilliant Sign Letter Co., 478 6th Ave., New York.
Brillion Brick & Tile Co., Brillion, Wis.
Brillion Iron Works, Brillion, Wis.
Brillion Lumber Co., Brillion, Wis.
Brillo Mfg. Co., aluminum polish, Pearl & Tillary, Brooklyn, N. Y.
Brim Co., The A. W., Seneca Falls, N. Y.
Brimberg, H., Inc., bags, burlap, etc., 53 Mercer, New York.
Brimer & England Bros., contractors, Union Bank Bldg., Knoxville, Tenn.
Brimm, Leo J., Inc., steel balls, auto & bicycle parts, etc., 119 W. 63d, New York.
Brininstool Co., paint & varnish, 534 Mateo, Los Angeles, Cal.
Brink, C. I., Inc., signs, 24 Gold, Boston, Mass.
Brinkerhoff, Arthur F., 101 Park Ave., New York.
Brinkerhoff Piano Co., 209 S. State, Chicago, Ill.
Brinkley Car Wks. & Mfg. Co., Brinkley, Ark.
Brinkley Co., mill supplies, power transmitting machy., 651 Alaska, Seattle, Wash.
Brinkman, H., brick, Mount Vernon, Ind.
Brinkmann Bros., cornices, 2617 Frankford, Philadelphia, Pa.
Brinkmann, J. H., & Sons, furnaces, 1913 Olive, St. Louis, Mo.
Brinks, Hy., & Sons, contractors, Quincy, Ill.
Brinley-Hardy Co., Preston & Main Sts., Louisville, Ky.
Brinley & Holbrook, landscape architects, 156 5th Ave., New York.
Brinner Film Service, 1737 N. Campbell Ave., Chicago.
Brinser, E. C., Sons, baseball bats, handles, poles, etc., Richmond, Va.
Brinton, H., & Co., knitting machy., Kensington & M. Philadelphia, Pa.
Brinton Motor Truck Co., 5805 Market, Philadelphia, Pa.
Briscoe Devices Co., carburetors, Jackson, Mich.
Briscoe Devices Corp., Pontiac, Mich.
Briscoe Motor Corp., Jackson, Mich.
Briscie, W. D., machinist, 1818 E. N. W., Washington, D. C.
Brisentine Bros., canned goods, Prospect, Va.
Brislin Boiler & Iron Wks., Fort Smith, Ark.
Brissey, W. L., Lumber Co., Anderson, S. C.
Brissman & Co., contractors, Moline, Ill.
Brister & Knowles, contractors, Petersburg, Va.
Bristol & Gale Co., agricultural implements, 158 Carroll Ave., Chicago, Ill.
Bristol & Sweet Harness Co., Fargo, N. Dak.
Bristol Bay Packing Co., salmon packers, 112 Market San Francisco, Cal.
Bristol Brass Co., Bristol, Conn.

BRISTOL COMPANY, Waterbury, Conn.
Branch Offices:

Chicago, Ill., Monadnock Bldg.
Detroit, Mich.—Book Bldg.
Pitsburgh, Pa.—Frick Bldg.
New York—114 Liberty.
Boston 9, Mass.—Old South Bldg.
San Francisco, Calif.—Rialto Bldg.
St. Louis, Mo.—Boatmen's Bank Bldg.
Philadelphia, Pa.—1311 Weidner Bldg.

Bristol Coffin & Casket Co., Bristol, Va.
Bristol Door & Lumber Co., Bristol, Tenn.
Bristol Industries Inc., 233 Broadway, New York.
Bristol Mfg. Co., coffins, etc., Bristol, Vt.
Bristol Naval Stores Co., Bristol, Fla.
Bristol Patent Leather Co., 315 Arch, Philadelphia, Pa., & 85 South, Boston, Mass.
Bristow, Stanley R., 171 Washington St., Newark, N. J.
British & American Motors, Ltd., Toronto, Can.
British Aluminum Co., Ltd., metals, etc., 165 Broadway, New York.
British Aluminum Co., Ltd., 265 Adelaide St., W., Toronto, Ont., Can.
British-American Metals Co., Inc., brass & copper tubing, 233 Broadway, New York.
British American Wax Paper Co., Ltd., Toronto, Can.
Britt Bros., turpentine, Bonifay, Fla.
Britt, J. A., & Son, flour mills, Clay Pool, Ky.
Brittingham & Hixon Lbr. Co., lbr., Madison, Wis.
Britton Auto Supply Co., Terre Haute, Ind.
Britton Lumber Co., Lakewood, Fla.
Britton Pressed Brick Co., Ann Arbor, Mich.
Britton, W. D., Hardware Co., Ogdensburg, N. Y.
Broadbent, J., & Son, absorbent cotton, Unionville, Conn.
Broaddus & Ives Lbr. Co., Newbern, N. C.
Broadfoot Iron Wks., machsts., H ft. Church, Wilmington, Del.
Broadhead-Ganett Co., lbr., Clay City, Ky.
Broadhead, Jos., saws, Manistee, Mich.
Broadway & McNeil & Feets Co., architects, Warren, Pa.
Broadway Fdry. Co., 8001 Franklin, Cleveland, Ohio.
Broadway Iron Fndry. Co., Cambridge, Mass.

Broadway Mfg. Co., sash, door & blind, Broadway & Atlantic Ave., Knoxville, Tenn.
Broadway Mchy. Co., mill and facty supplies, 236 Broadway, Cincinnati, Ohio.
Brock & Rankin, 619 S. La Salle St., Chicago.
Brock, Arthur, Jr., Tool & Mfg. Works, jigs, 533 N. 11th, Philadelphia, Pa.
Brock Bros., cornices, Cambridge, Mass.
Brock Bros., cornices & skylights, Melrose, Mass.
Brock Bros., lbr., Clatskamic, Ore.
Brock Glass Co., knobs, Santa Ana, Cal.
Brock, V. A., flour mills, Sparta, Ky.
Brockett-Gorham Co., spark plugs, Marion, Ohio.
Brockett, L. B., & Son, mill & facty. supplies, Battle Creek, Mich.
Brockett, Lawrence B., lbr., Dept. H, Johnsonville, N. Y.
Brockman Bros., contrs., 444 Riddle Rd., Cincinnati, O.
Brockman Mfg. Co., J. R., 617 N. 2nd St., St. Louis, Mo.
Brockman-Ramirez Co., 320 Market St., San Francisco, Calif.
Brockton Die Co., Brockton, Mass.
Brockton Gas Light Co., gas retort carbons, Brockton, Mass.
Brockton Heel Co., boot & shoe counters, Brockton, Mass.
Brockton Last Co., wooden shoe lasts, Brockton, Mass.
Brockton Mallet Co., Brockton, Mass.
Brockton Mop Wringer Co., Brockton, Mass.
Brockton Rand Co., Brockton, Mass.
Brockton Stay Co., Brockton, Mass.
Brockton Webbing Co., Brockton, Mass.
Brockton Welting Co., Brockton, Mass.
Brockway & Meckensturn Mach. Co., cotton machy., Moodus, Conn.
Brockway, A. L., and Dwight R. Collin, architects, Third Bk. Bldg., Syracuse, N. Y.
Brockway Brick Co., Brockway, N. Y.
Brockway-Fitzhugh-Stewart, Inc., Decatur & Irving Aves., Brooklyn, N. Y.
Brockway Mach. Bottle Co., Brockwayville, Pa.
Brockway Motor Truck Corp., Cortland, N. Y.
Brockway-Smith Corp., 98 Canal, Boston, Mass.
Brockway, W. N., carriages, Homer, N. Y.
Brode, F. W., & Co., cottonseed oils, 119 Madison, Memphis, Tenn.
Brode Iron Works, San Francisco, Calif.
Brode, W. M., Co., contractors, New Comerstown, Ohio.
Broderick & Bascom Loggers' Supply Co., mill & facty. supplies, 528 1st, Seattle, Wash.
Broderick & Bascom Rope Co., St. Louis, Mo.
Broderick Co., advtg. novelties, 464 Robert, St. Paul, Minn.
Broderick Co., Muncie, Ind.
Brodie Co., Wm. H., 38 Park Pl., New York.
Brodie Elec'l & Auto. Co., 48 Pleasant St., Manchester, N. H.
Brodie Ralph N., Co., flywheel bands & gears, 1353 E. 12th, Oakland, Cal.
Brodie, Walter M. metallurgical engrs., 154 Nassau, New York.
Brodie, Wm., cornices & mill & facty. supplies, 307 Jackson Ave., L. I. City, N. Y.
Brodin Pattern & Supply Co., 2418-20 W. 16th St., Chicago.
Brodix & Malone, stone producers, 112 W. Adams, Chicago, Ill.
Brodner, K., plate glass, 500 Congress Ave., New Haven, Conn.
Brodt, T. E., sash, door & blind mfrs., Bagley, Wis.
Brody & Lipman, contrs., New London, Conn.
Broeder-Seigle Mfg. Co., electric lighting fixtures, 5915 Bonna Ave., Cleveland, Ohio.
Broeker, Chas., & Co., corn & flour mills, Owensboro, Ky.
Broering & Meier, brick, Covington, Ky.
Brogan & Co., 810 Race, Philadelphia, Pa.
Brogan, Jas. F., & Co., contractors, Commercial Trust Bldg., Philadelphia, Pa.
Brogon Mills, flannels, cotton, Anderson, S. C.
Brohard Company, The. N. E. Cor. 3rd St. and Lehigh Ave., Philadelphia, Pa.
Brohl & Appell, heating contractors, Sandusky, Ohio.
Brohm & Molitor, file & stove mfrs., 257 S. Pearl, Albany, N. Y.
Broken Sword Stone Co., Bucyrus, O.
Broline, Nolan & Co., contrs., 5 N. La Salle, Chicago, Ill.
Brombacher & Co., A. F., 29-31 Fulton St., New York.
Brombacher Iron Works, 5555 Magnolia, Los Angeles, Cal.
Bromich, Jos., Topeka, Kans.
Bromund Company, E. A., 253-5 Church St., New York.
Bromwell Brush & Wire Goods Co., 312 United Bank Bldg., Cincinnati, O.
Bromwell Co., wire goods, 420 Main, Cincinnati, Ohio.
Bronson & Townsend, Co., wholesale hdwe., 126 State, New Haven, Conn.
Bronson, E. B., Co., machsts. & fndrs., Blue Island, Ill.
Bronson, Homer D., Co., brass hinges & metal novelties, Beacon Falls, Conn.
Bronson, Wm. & Hy., machsts. & fndrs., Roxbury, Conn.
Bronx Carbonate Co., carbonic acid gas, 934 E. 165th, New York.

BRONX DERRICK & TOOL CO., 143d & Southern Blvd., New York.

Bronx Metal Wks., 287 E. 138th, New York.
Bronx Radio Equipment Co., crystal detectors, variocouplers, switches, sockets, etc., 687 Courtlandt Ave., New York.
Bronze Metal Co., 30 Church St., New York.
Bronze Powder Works Co., 803 Magnolia Ave., Elizabeth, N. J.
Bronze Weather Strip Co., 30 India, Boston, Mass.
Brook Building & Supply Co., Brook, Ind.
Brook, John, stone producer, 2169 E. 28th, Cleveland, Ohio.
Brook Novelty Co., ironing boards, corn poppers, Brook, Ind.
Brook Tarpaulin Co., Inc., New Orleans, La.
Brook Terra Cotta Tile & Brick Co., Brook, Ind.
Brooke, E. & G., Iron Co., iron nails, Birdsboro, Pa.
Brooke Iron Co., E. & G., Birdsboro, Pa.
Brooke Lumber Co., Pataskala, Ohio.

BROOKE, SMITH & FRENCH, INC., Advertising Agency, 206 Eliot St., Detroit, Mich.

Brookes & Doerr, waterproofing materials, 625 Market, San Francisco, Cal.
Brookhaven Cotton Oil & Fertz. Co., Brookhaven, Miss.
Brookhaven Gravel Co., Brookhaven, Miss.
Brookhaven Lumber & Mfg. Co., Hattiesburg, Miss.
Brookhaven Pressed Brick & Mfg. Co., Brookhaven, Miss.
Brookins Co., The, Euclid Ave. & E. 18th St., Cleveland, O.
Brookins Train Control System, 1446 S. Wabash Ave., Chicago.
Brookline Contracting Co., Brookline, Mass
Brooklyn Ash Can Mfg. Co., 2196 Fulton, Brooklyn, N. Y.
Brooklyn Bearing Works, 988 Myrtle Ave., Brooklyn, N. Y.
Brooklyn Brass Wks., machsts. & fndrs., 263 Scholes, Brooklyn, N. Y.
Brooklyn Brick Co., Brooklyn, Ind.
Brooklyn Brick Co., 1206 State Life Bldg., Indianapolis, Ind.
Brooklyn Commercial Body Co., 470 Clermont Ave., Brooklyn, N. Y.
Brooklyn Cooperage Co., 142 Kent Ave., Brooklyn, N. Y.
Brooklyn Elec. Lamp & Nov. Co., 278 Fulton, Brooklyn, N. Y.
Brooklyn Filter Bag Co., 643 Kent Ave., Brooklyn, N. Y.
Brooklyn Firebrick Works, 88 Van Dyke St., Brooklyn, N. Y.
Brooklyn Fire-Proof Sash & Door Co., 101 Richardson St., Brooklyn, N. Y.
Brooklyn F'ndry Co., Astoria, N. Y.
Brooklyn Lthr. Belting Co., 81 S. 6th, Brooklyn, N. Y.
Brooklyn Lumber Co., 454 Hamilton Ave., Brooklyn, N. Y.
Brooklyn Machine Works, 96 Meserole, Brooklyn, N. Y.
Brooklyn Metal Ceiling Co., 287 Greene Ave., Brooklyn, N. Y.
Brooklyn Shield & Rubber Co., 397 Summer Ave., Brooklyn, N. Y.
Brooklyn Standard Paper Co., bags, 39th & 2d Ave., Brooklyn, N. Y.
Brooklyn Suit Case Mfg. Co., trav. bags, 936 De Kalb Ave., Brooklyn, N. Y.
Brooklyn St. F'ndry Co., North Adams, Mass.
Brooklyn Tool Co., hoof parers, Brooklyn, Ind.
Brooklyn Varnish Mfg. Co., 35 Nostrand Ave., Brooklyn, N. Y.
Brooklyn Vault Light Co., 262-272 Monitor St., Brooklyn, N. Y.
Brooklyn Vitrified Tile Wks., ceramic & vitreous, 92 Third, Brooklyn, N. Y.
Brookman Mfg. Co., lye, 664 N. Wells, Chicago, Ill.
Brooks-Callaway Co., contrs., Walton Bldg., Atlanta, Ga.
Brooks-Fisher Co., contrs., Candler Bldg., Atlanta, Ga.
Brooks-Scanlan Lumber Co., 1120 Plymouth Bldg., Minneapolis, Minn.
Brooks-Scanlon Co., Kentwood, La.
Brooks & Co., sash, door & blind mfrs., Poughkeepsie, N. Y.
Brooks & Co., Inc., E. J., 98 Park Place, New York.
Brooks & Co., T. H., 3104 Lakeside, Cleveland, O.

BROOKS & DOERR, 625 Market St., San Francisco, Cal.

Brooks & Hunt, contrs., Greensboro, N. C.
Brooks & Ross Lumber Co., 39 S. La Salle St., Chicago.
Brooks & Son, M. S., Chester, Conn.
Brooks Brick Co., Brewer, Me.
Brooks Bros., cornices & skylights, Columbus, Ind.
Brooks Bros., 1923 University Ave., Minnesota Transfer, Minn. (Lumber.)
Brooks Burner Stove Co., Ardmore, Okla.
Brooks, Clarence & Co., varnish, hard oil finish, 249 Chestnut, Newark, N. J.
Brooks, Clyde, mfrs. agts. pig iron, ferro alloys & nickel, H Farmers Bank Bldg., Pittsburgh, Pa.
Brooks Constr. Co., 1123 Bartholet St., Fort Wayne, Ind.
Brooks, E. D., & Co., leather, 22 Lincoln, Boston, Mass.
Brooks Forge & Machine Co., York, Pa.
Brooks Furniture Mfg. Co., Rochester, N. Y.
Brooks, Geo. B., cotton waste, 279 Morris, Providence, R. I.
Brooks, Geo., & Son Co., auto & furniture binding & gimps, 5428 Wyalusing, Philadelphia, Pa.
Brooks, Hall L., ties, poles & posts, Tomahawk, Wis.
Brooks Hardware Co., Augusta, Me.
Brooks, John, Co., knives, Brockton, Mass.
Brooks, John E., plows, Taylor & Aurora, Stockton, Cal.
Brooks Lumber Co., Greensboro, N. C.
Brooks Machine Co., Wichita, Kans.
Brooks Machine Co., The, York, Pa.
Brooks Mfg. Co., jewelry cases, 44 Binford, Boston, Mass.
Brooks Mfg. Co., knocked-down boats, Saginaw, Mich.
Brooks, O. E., & Sons, contrs., 6238 Norwood Pk. Ave., Chicago, Ill.
Brooks Oil Co., C. & P. & Erie R. R., Cleveland, O.
Brooks-Ostruk Co., The, 225 W. 66th St., New York.
Brooks Packing Co., canned goods, Tillamook, Ore.
Brooks Piston Ring Co., 5430 St. Clair Ave., Cleveland, Ohio.
Brooks, S., Furn. Co., Dept. H, Rochester, N. Y.
Brooks Skinner Co., portable garages, 10 Bridge, North Weymouth, Mass.
Brooks, T. C., & Sons Co., contractors, Jackson, Mich.
Brooks Tent & Awning Co., 1655 Arap, Denver, Colo.
Brooks Tomato Products Co., canners, Collinsville, Ill.
Brookside Brass Fdy. & Mfg. Co., self-closing cocks & bibbs, 2315 Selzer Ave., S. W., Cleveland, Ohio
Brookside Mills, cotton duck & canvas, on K. & O. Ry., Knoxville, Tenn.
Brookside Paper Co., binders' boards, South Manchester, Conn.
Brookville Bridge Co., Brookville, O.
Brookville Furn. Co., Dept. H, Brookville, Ind.
Brookville Glass & Tile Co., Brookville, Pa.
Brookville Mfg. Co., farm wagons, Brookville, Pa.
Brookville Truck & Tractor Co., Brookville, Pa.
Brooksville Woolen Mill, blankets, Brooksville, Me.
Broom Corn Review, Wichita, Kan.
Broome & Sterling Co., advtg. spec., Coshocton, Ohio.
Broome, W. J., Mfg. Co., auto camp beds, creepers, etc., 1455 E. 7th, Los Angeles, Cal.
Broome, W. P., & Son, lbr. mfrs., Dept. H, Peachland, N. C.
Brooms, Brushes & Handles, trade publication, Milwaukee, Wis.
Brophy Belting & Supply Co., Madison, Ind.
Brophy, Chas. A., button mfrs., Aurora, Ill.
Bros Boiler & Mfg. Co., Wm., Nicollet Island, Minneapolis, Minn.
Brosche & Kenlay, 20th Century Injector & Supply Co., Attica, Ind.
Brose & Arnold, flour mills, Belvue Ave., Evansville, Ind.
Brosius, Edgar E., Pittsburgh, Pa., Equitabe Bldg., Baltimore, Md.
Brossman, Charles, consulting engineer, Merchants' Bank Bldg., Indianapolis, Ind.
Brost Pattern Works, wood & metal, 1276 E. 55th, Cleveland, Ohio.
Brothers, James W., lumber, Battle Creek & Lacenter, Wash.
Brothers Valley Coal Co., bituminous, 90 West, New York.
Brotherton, Wm., Jr., sash, door & blind mfrs., Peekskill, N. Y.
Brotsch, F. V., Co., contractors, Rochester, N. Y.
Brougher, W. D., Net Co., fly nets, Wellsville, Pa.
Broughton & Wiggins, Yeon Bldg., Portland, Ore.
Broughton, N. L., lbr., Pinewood, S. C.
Brounet, Arthur, decorative art tapestries, etc., 1133 Broadway, New York.
Broussard Casket & Mfg. Co., New Iberia, La.
Broussard Oil Mill, Broussard, La.
Brousseau, H. P., brick, Shodack Landing, N. Y.
Broverman, Morris, & Son, bristles, 57 Maiden Lane, New York.
Brower & Best, common brick, Thompsonville, Conn.
Brower Corp., Roy L., 87 Front St., New York.
Brower, John, heating contractors, 352 W. 13th, New York.
Brown & Bailey Co., 410 N. Franklin St., Philadelphia, Pa.
Brown & Bigelow, Quality Park, St. Paul, Minn.
Brown & Caine, 2317 Calumet Ave., Chicago.
Brown & Clarkson, 1517 H. St., N. W., Washington, D. C.
Brown & Co., B. F., 137 Fulton, Boston, Mass.
Brown & Co., D. P., 262 N. 4th St., Philadelphia, Pa.
Brown & Co., E. E., McKean & Meadow, Philadelphia, Pa.
Brown & Co., Geo. C., Bank of Commerce Bldg., Memphis, Tenn.
Brown & Co., Inc., Chas. D., 40 Court, Boston, Mass.
Brown & Co., Inc., 10th & Duquesne Way, Pittsburgh, Pa.
Brown & Co., J. K., Brooklyn, N. Y.
Brown & Co., Tom, 325 W. Ohio St., Chicago.
Brown & Co., W. G., 2801 Union Central Bldg., Cincinnati, O.
Brown & Creary Supply Co., mill & facty. supplies & machy. dlrs., 8H St. Francis, Mobile, Ala.
Brown & Gregory, lbr., Sidon, Miss.
Brown & Hackney, Inc., lbr., Little Rock, Ark.
Brown & Hackney Lumber Co., Inc., Bank of Commerce Bldg., Memphis, Tenn.
Brown & Hall Supply Co., 1504 Pine St., St. Louis, Mo.
Brown & Hutchinson, shoe patterns, Haverhill, Mass.
Brown & Lowe Co., contractors, Schenectady, N. Y.
Brown & Patterson, machsts. & fndrs., 33 Marcy Ave., Brooklyn, N. Y.
Brown & Pengilly, Inc., switchboards, switches, relays, etc., 2114 E. 9th, Los Angeles, Cal.
Brown & Sehler Co., 200 Ionia St., S. W., Grand Rapids, Mich.
Brown & Sharpe Mfg. Co., Promenade St., Providence, R. I.

BROWN & SITES CO., industrial railway supplies, hoists, mixers, etc., 30 Church, New York.

Brown & Sons Lumber Co., W. P., 4th & K. St., Louisville, Ky.
Brown & Stafford, contrs., Madera, Cal.
Brown & White Co., carriages, Bangor, Me.
Brown & Whiteside, architects, Du Pont Bldg., Wilmington, Del.
Brown & Wille, contrs., Niagara Falls, N. Y.
Brown & Zortman Machinery Co., machine tools, 325 Second Ave., Pittsburgh, Pa.
Brown, A. C., & Sons, contractors, Tottenville, N. Y.
Brown, A. Judson, & Co., Inc., contrs.' equipt., 61 Pearl, New York.
Brown, A. R., bolts, nuts & rivets, Erwin, Tenn.
Brown, Albert, common brick, Saranac, Mich.
Brown, Alfred, contr., 127H S. Main, South Norwalk, Conn.
Brown, Asahel C., & Son, flour mills, Waltersburg, Pa.
Brown Automatic Hose Coupling Co., 308 Valentine Bldg., Toledo, O.
Brown Bag Filling Machine Co., 10 Main St., Fitchburg, Mass.
Brown Bed Mfg. Co., 4300 E. 12th, Kansas City, Mo.
Brown, Benson, contractor, Faribault, Minn.
Brown-Bevis Co., Inc., The, 422 E. Third St., Los Angeles, Cal.
Brown-Bledsoe Lumber Co., Baltimore, Md.
Brown, Blodgett & Sperry Co., St. Paul, Minn.
Brown Brothers Brass Foundry, Stamford, Conn.

BROWN BROS., castings, plating works, etc., 46-48 Garden, Stamford, Conn.

Brown Bros. Lumber Co., Rhinelander, Wis
Brown Bros., meat packers, 534 W. Ray, Indianapolis, Ind.
Brown Bros., tubular boilers, E. 316 Riverside, Spokane, Wash.
Brown Bros. Co., mill & facty. supplies, 62 Exchange Pl., Providence, R. I.
Brown Bros. Co., lumber mfrs., Gainesville, Fla.
Brown Bros. Co., machsts. & fndrs., Gloucester, Mass.
Brown Bros. Fndry & Mach. Co., Eldora, Iowa.
Brown Bros. Welding Co., 223 Main St., San Francisco, Cal.
Brown Buggy Co., Waterloo, Iowa.
Brown, C., lumber, Midland, Mich.
Brown, C. A., flour mills, Falls, Pa.
Brown, C. D., & Co., leather, 6 Sunpru, Rochester, N. Y.
Brown-Camp Hardware Co., Des Moines, Ia.
Brown Car Wheel Works, 466 Howard St., Buffalo, New York.
Brown Carriage Co., 1630 Gest, Cincinnati, O.
Brown, Carroll & Co., granite, Barre, Vt.
Brown Charcoal Co., L. S., 1 Elm St., Springfield, Mass.
Brown City Mfg. Co., machsts. & fndrs., Brown City, Mich.
Brown, Clinton C., plate glass, Syracuse, N. Y.
Brown Clutch Co., Sandusky, O.
Brown Co., Fidelity Bldg., Portland, Me.
Brown Company, 213 Bellevue Ave., Syracuse, N. Y.
Brown Co., A. & F., 79 Barclay St., New York.
Brown Co., B., 229 W. 28th St., New York.
Brown Company, The Paul R., 97 Warren St., New York.
Brown Constr. Co., P. J., 1442 Rockefeller bldg., Cleveland, O.
Brown Corp., turpentine, Portland, Me.
Brown Cotton Gin Co., New London, Conn.
Brown, D. V., optical goods, 738 Sansom, Philadelphia, Pa.
Brown Dry Dock Co., Ft. Morris, Jersey City, N. J.
Brown, E., & Co., cornices & skylights, 300 E. 9th, Los Angeles, Cal.
Brown, E. C., Co., spray pumps, etc., Rochester, N. Y.
Brown, E. G., flour mills, Lascassas, Tenn.
Brown, E. M., Paper Co., Rock City Falls, N. Y.
Brown, E. W., Co., canned goods, South Portland, Me.
Brown, Edward H., wedges, Mills Bldg., San Francisco, Cal.
Brown, Elliot C., Co., contractors, 70 E. 45th, New York.
Brown Engine & Mach. Co., Willow, Fitchburg, Mass.

BROWN ENGINEERING CO., 110 N. Third St., Reading, Pa.

Brown-Everts Lumber Co., Bank of Commerce Bldg., Memphis, Tenn.
Brown Fence & Mfg. Co., H. L., 34th Ave. & B. & O. R. R. Oakley, Cincinnati, O.

Brown Fig Co., canned goods, Beaumont, Tex.
Brown Folding Machine Co., 19th & Chestnut Sts., Erie, Pa.
Brown Furn. Co., Dept. H, Dayton, Ohio.
Brown, G. H., & Bro., carriages, Kinderhook, N. Y.
Brown's, G., Sons, cottonades, Mount Joy, Pa.
Brown, Geo., & Co., stone, 286 5th Ave., New York.
Brown, Geo. L., & Son, contrs., 1300 Rialto Bldg., Kansas City, Mo.
Brown, Grant, lbr. mfrs., Carlisle, N. Y.
Brown Guano Co., Albany, Ga.
Brown, H. B., Co., machsts. & fndrs., East Hampton, Conn.
Brown, H. W., builders' materials, 1200 E. 28th, Los Angeles, Cal.
Brown Hardware Co., Punxsutawney, Pa.
Brown Hdwe. Co., tools, cutlery & bldrs.' supplies, Asheville, N. C.
Brown Heating Co., 5972 Easton Ave., St. Louis, Mo.
Brown, Henry, machsts. & fndrs., Chippewa Falls, Wis.
Brown, Henry J., & Son, contrs., 1534 Fulton, Brooklyn, N. Y.

BROWN HOISTING MACHINERY CO., THE, 4403 St. Clair Ave. N. E., Cleveland, O.
Pres. & Treas.—Alex. C. Brown.
V. P. & Gen. Mgr.—Melvin Pattison.
Secy.—Geo. C. Wing.
Gen. Sales Mgr.—E. C. Pierce.
Chicago—J. P. Case.
New Orleans, La.—C. H. White.
New York—Richard Devens.
Pittsburgh, Pa.—H. C. Torrance.
San Francisco, Calif.—H. D. Wright.
London, England—H. E. Hayes.

Brown, Howard Curtis (Estate), paper & pulp mill, East Hampton, Conn.
Brown, Hunkle Corp., machy. dlrs., 26 Mechanic, Newark, N. J.

BROWN INSTRUMENT CO., THE, 4522 Wayne Ave., Philadelphia, Pa.
Pres.—Richard P. Brown.
Sec.—John P. Goheen.
Gen. Mgr.—Geo. W. W. Cornman.
Sales Mgr.—Geo. W. Keller.
Birmingham, Ala.—551 Brown-Marx Bldg., Chas. L. Saunders.
Boston, Mass.—161 Devonshire St., G. P. Beck.
Chicago—1112 Conway Bldg., M. M. Watkins.
Cleveland, O.—1131 Guardian Bldg., F. Q. Thorp.
Columbus, O.—219 1st Natl. Bank Bldg., D. C. Mayne.
Denver, Colo.—1742 Champa St., E. R. Harris.
Detroit, Mich.—1421 Ford Bldg., R. W. Mayer.
El Paso, Tex.—2701 Montana St., Le Roy G. Hetrick.
Pittsburgh, Pa.—2247 Oliver Bldg., G. L. Clapper.
Los Angeles, Calif.—363 New High St., S. F. Godfrey.
New York—50 Church St., J. D. Andrews.
St. Louis, Mo.—2086 Railway Exchange Bldg., F. F. Poole.
San Francisco, Calif.—576 Mission St., A. B. Morse.
Montreal, Que., Canada—137 McGill St., J. D. La Chappelle.

Brown, J. C., Inc., acetyl salicylic acid, 15 Park Row, New York.
Brown, J. Edgar, machsts., Chestnut Level, Pa.
Brown, Jas. H., mill & facty. supplies, 139 3d Ave., Brooklyn, N. Y.
Brown, Jas. H., Co., contractors, 511 S. 3d, Minneapolis, Minn.
Brown, John I., machsts. & fndrs., Roaring Spring, Pa.
Brown, John, & Son, 240 E. 141st, New York.
Brown, John & Son, granite, Barre, Vt.
Brown, John W., Mfg. Co., automobile lamps, Columbus, Ohio.
Brown, Jos. E., Co., cornices, 1003 Race, Philadelphia, Pa.
Brown-King Constr. Co., Commercial Trust Bldg., Philadelphia, Pa.
Brown Knitting Co., bathing suits & sweaters, Warsaw, N. Y.
Brown-Kunze Co., lumber, Arlington, Wash.
Brown, L. K., machsts., Asotin, Wash.
Brown Land & Lbr. Co., Parrish, Wis.
Brown Land & Lumber Co., Rhinelander, Wis.
Brown, Lewis A., Co., baskets, brooms & brushes, 131 State St., Boston, Mass.
Brown-Lipe Gear Co., auto gears, Syracuse, N. Y.
Brown, Louis L., Co., Inc., ship builders, 71 8th Ave., New York.
Brown Lbr. Co., Shamrock, La.
Brown Lbr. Co., West Union, S. C.
Brown Lumber Co., Hiwanne, Miss.
Brown, M. M. & D. D., lbr., Elkins, W. Va.
Brown-McDonald Machy. Co., 2323 9th, N. St. Louis, Mo.
Brown-McLaren Mfg. Co., 5853 W. Fort, Detroit, Mich.
Brown-McPhee Lbr. Co., Lewis Bldg., Portland, Ore.
Brown Machine & Tool Co., L. P., Attleboro, Mass.
Brown Machine Co., F. S. & G. L., Baltimore, Md.
Brown Manly Plow Co., 418 E. Louisiana, Indianapolis, Ind.
Brown-Manly Plow Co., Malta, Ohio.
Brown Mfg. Co., Arthur S., Tilton, N. H.
Brown Mfg. Co., cotton flannel, Concord, N. C.
Brown Mfg. Co., Zanesville, O.
Brown Milling Co., flour, Charlottesville, Va.
Brown's Mills Sand Co. in the Pines, Brown's Mill, N. J.
Brown Mining Co., iron ores, Cardiff, Tenn.
Brown-Morse Co., Muskegon, Mich.
Brown, Moses W., & Co., pianos, Hampton, N. H.
Brown, O. A., Co., Inc., imp. essential oils, 246H Pearl, New York.
Brown, O. W., machsts., Abilene, Kans.
Brown, Old., W. E., Co., distillers, Covington, Ky.
Brown Packing Co., meat packers, Blairsville, Pa.
Brown Paint Co., Charles H., 262 Fulton St., Brooklyn, N. Y.
Brown Paper Co., L. L., Adams, Mass.
Brown Paper Co., Fort Madison, Iowa.
Brown Paper Co., Ithaca, N. Y.
Brown Paper Co., 1220 Spruce, St. Louis, Mo.
Brown, Peter, agricultural implements, Greeley, Colo.
Brown Pollard Construction Co., Niagara Falls, N. Y.
Brown Portable Conveying Machy. Co., see Standard Conveyor Co. (successor).
Brown Portable Elevator Co., 10 S. La Salle St., Chicago.
Brown Printing & Binding Co., M. B., 39 Chambers St., New York.
Brown, R. A., & Co., contractors, Washington, Ind.
Brown, R. H., & Co., bits, chucks, bookbinders' machy., 198H Brown, West Haven, Conn.
Brown, R. L., cornices, Covington, Ky.
Brown, R. M., plate glass, 1252 7th, N. W., Washington, D. C.
Brown Reflector, Inc., 560 Fourth, Boston, Mass.
Brown-Roberts Hardware & Supply Co., Ltd., Alexandria, La.
Brown-Rogers Co., Winston-Salem, N. C.
Brown, Rufus H., Inc., contractor, 365 Pearl, Brooklyn, N. Y.
Brown, S. N., & Co., bows, shafts, etc., Dayton, Ohio.
Brown Safety Ladder Mfg. Co., 439 S. Clark, Chicago, Ill.
Brown Shingle Co., Wimauma, Fla.
Brown Shoe Co., Inc., 1510 Washington, St. Louis, Mo.
Brown Spring Oiler Co., 6911 Carnegie Ave., Cleveland, O.
Brown Stamping, 1352 Dawson St., Toledo, O.
Brown Stave Co. (Ltd.), cooperage stock, Monroe, La.
Brown Steel Co., Marion rd. Columbus, Ohio.
Brown Stone Store Co., Waltonville, Pa.
Brown-Talbot Machinery Co., gas engines, 19 Oakland, Salem, Mass.
Brown, Thos., Contracting Co., 1135 Niagara, Buffalo, N. Y.
Brown Trafilog Co., 6538 Carnegie S E., Cleveland, O.
Brown Truck Mfg. Co., Ralston, Neb.
Brown Univ. Engng. School & Coll., Prospect, Providence, R. I.
Brown, W. A., & Co., cornices & skylights, Decatur, Ala.
Brown, W. B., Co., electric & gas light fixtures, Buffton, Ind.
Brown, W. E., elastic hosiery, 186 Broad, Providence, R. I.
Brown, W. F., & Sons, lumber, Denham Springs, La.
Brown-Wales Co., (Iron & Steel), C and Fargo Sts., Boston, Mass
Brown, Walter E., cornices & skylights, Shelbyville, Ind.
Brown, Walter G., front brick, Ipswich, Mass.
Brown, Will G., machsts., Danville, Pa.
Brown, Wm., Embossing Co., calendars & signs, B'way & Elm, St. Louis, Mo.
Brown, Wm. H. H. Co., mechanical rubber gds. & mill & facty. supplies, Buffalo, N. Y.
Brown, Wm. M., fertilizer mfr., Cedarville, N. J.
Brown, Wm. R., Co., emblem & eng. adv. f'lry., 33 Eddy, Providence, R. I.
Brown's Beacon Gear Shop, 164 Union St., Worcester, Mass.
Browne & Borum Co., steam fitters, 409 Madison, Memphis, Tenn.
Browne & Dowd Mfg. Co., Meriden, Conn.
Browne, F. W., brushes—fdry., mach. & facty., & boiler cleaners, Farmington, N. H.
Browne, H. R., lbr., 141 E. 4th, Cincinnati, Ohio.
Browne, J. A., & Co., carriage rims, North Manchester, Ind.
Browne, M. C., Holyoke, Mass.
Browne Mfg. Co., W. G., Kingston, N. Y.
Browne-Morse Co., office furniture, filing cabinets & waste baskets, Muskegon Heights, Mich.
Brownell & Burt, auto, wood bodies, 10 Wash., Taunton, Mass.
Brownell Co., cordage & twine mfrs., Moodus, Conn.
Brownell, C. H., Peru, Ind.
Brownell Company, The, N. Findlay St., Dayton, O.
Brownell-Drews Lumber Co., Morgan City, La.
Brownell, G. L., 49 Union St., Worcester, Mass.
Brownell Improvement Co., 133 W. Washington St., Chicago.
Brownell Mach. Co., 11-13 Eddy St., Providence, R. I
Brownell-Mason Co., htg. contrs., 22 Blossom, Fitchburg, Mass.
Brownfield, Jas. A., planing mill, 33 W. 8th, Covington, Ky.
Brownie Mfg. Co., engine indicators, 39 Natoma, San Francisco, Cal.
Browning Company, The, E. 162nd & Waterloo Rd. N. E., Cleveland, O.
Browning, Geo. M., 105 W. 40th St., New York.
Browning Lumber Co., East Palatka, Fla.
Browning, S. W., flour mills, Wytheville, Va.
Browning, Wm., cornices, Warren, Ohio.
Brownice Co., Hawk & Burke River Ridge, Detroit, Mich
Brownlee, J. G., lbr., Shuberta, Miss.
Brownlee-Lowry Co., lumber, Sawyerville, Ala.
Brownsville Canning Co., Forest Grove, Ore.
Brownsville Cotton Oil & Ice Co., cottonseed meal, Brownsville, Tenn.
Brownsville Woolen Mills Co., Brownsville, Ore.
Brownville Board Co., Brownville, N. Y.
Brownville Paper Co., Brownville, N. Y.
Brownwall Engine & Pulley Co., see Holland Engine Co. (successors).
Broxton Fertilizer Co., Broxton, Ga.
Broyles, W. & G. D., masons' & bldrs.' matls., Palestine, Tex.
Brubaker & Bros., W. L., 50 Church St., New York.
Brubaker, W. L., & Bros., dies, reamers, taps, wrenches, etc., Millersburg, Pa.
Bruce & Cook, 190 Water St., New York.
Bruce Bros., cornices & skylights, Fort Smith, Ark.
Bruce Co., E. L., Thomas St., Memphis, Tenn.
Bruce, E. L., Co., hardwood flooring, Little Rock, Ark.
Bruce, Jno. J., Fdry. Co., 2421 Colerain Ave., Cincinnati, Ohio.
Bruce Lumber & Mill Co., Berkeley, Cal.
Bruce-Macbeth Engine Co., 2111 Center N. W., Cleveland, O.
Bruce-Merlam-Abbott Co., now the Bruce Macbeth Engine Co., Cleveland, O.
Bruce-Nels, contr., 512 McKnight bldg., Minneapolis, Minn.
Bruceton Milling Co., flour, Bruceton Mills, W. Va.
Bruchhauser Bros., flour mills, Anna, Ill.
Bruchhauser, Henry & Son, contractors, 130 Ellery, Brooklyn, N. Y.
Brucker, Henry C., 2549 Myrtle Ave., Brooklyn, N. Y.
Bruckman Lumber Co., Allegheny, Pa.
Bruder, Lawrence, dump bodies, 211 W. 2d, Cincinnati, Ohio.
Bruening Windshield Co., 2064 Euclid Ave., Cleveland, O.
Bruer Bros. & Co., sashes, doors & blinds, 2836 Lyndale Ave., S., Minneapolis, Minn.
Bruggeman, J. F., Co., contractors, 502 Avery, Pittsburgh, Pa.
Brugh, R., canned goods, Nace, Va.
Brumback, F. C., & Son, flour mills, Luray, Va.
Brumfield Electric Sign Co., 965 Folsom, San Francisco, Cal.
Brumi, Hy., Co., advtg. novelties, 110 Liberty, New York.
Brun Mill Co., cigarette cases, Dept. H, Pittsfield, Ill.
Brundage, Avery, contractors, 110 S. Dearborn, Chicago, Ill.
Brundidge Fertilizer Co., Brundidge, Ala.
Brundige & Co., M. R., Boston, Mass.
Brunell & Despard, heating contrs., Worcester, Mass.
Brunelle, Arsene, contractors, 316 Kelly, Manchester, N. H.
Bruner Granitoid Co., P. M. (Sidewalk Lights), Frisco Bldg., St. Louis, Mo.
Bruner Marble & Tile Co., Inc., Marsh-Strong Bldg., Los Angeles, Cal.
Bruner, P. M., Granitoid Co., Frisco Bldg., St. Louis, Mo.
Brunett, Frank O., 396 Hoyt Bldg., Brooklyn, N. Y.
Brunette, N., stone, Duck Creek, Wis.
Brunger, S., & Co., blankets, flannels (woolen), Sullivan, Ind.
Brunhoff Mfg. Co., York & Freeman, Cincinnati, O.
Brunig, Robt., machsts., 523 Brannan, San Francisco, Cal.
Brunk Machine & Forging Co., Lorain, Ohio.
Brunkhorst, A. F., cornices, Cape Girardeau, Mo.
Brunn's Carriage Mfg. Co., 1140 Main, Buffalo, N. Y.
Brunnckow, C. G., Co., cornices, 223 Globe, Providence, R. I.
Brunner & Lay, 570 W. Polk St., Chicago.
Brunner, F., & Son, billiard & pool tables, 671 Communipaw Ave., Jersey City, N. J.
Brunner Hardware & Machsts. Supply Co., H. J., 1512 Grand Ave., Kansas City, Mo.
Brunner Mfg. Co., Utica, N. Y.
Bruno, C., & Son, musical instruments, 351 4th Ave., New York.
Bruns, J. H., Fdry., Watertown, S. D.
Bruns, Kimball & Co., marine engine dlrs., 155 W. 15th, New York.
Brunsene Co., oiled cotton duck & waterproof fabric, Stanley Ave., Watertown, Mass.
Brunsen Co., George (Mfrs. Caps), 18 E. 14th St., New York City.
Brunswick-Balke-Collender Co., 629 S. Wabash Ave., Chicago.
Brunswick-Balke-Collender Co. of N. Y., billiard tables & balls, 799 7th Ave., New York.
Brunswick Brick & Tile Co., Brunswick, Mo.
Brunswick Canning Co., Brunswick, Conn.
Brunswick Furniture Co., Brunswick, Md.
Brunswick-Kroeschell Co., New Brunswick, N. J.
Brunswick Mfg. Co., Brunswick, Me.
Brunswick Shipbuilding Co., Brunswick, Ga.
Brunt Porcelain Co., knobs, tubes, cleats & specialties, Chaseland, Columbus, Ohio.
Brunt Tile & Porcelain Co., Columbus, Ohio.
Brunt, Walter N., badges, etc., 111 7th, San Francisco, Cal.
Brunton, M. J., Jr., cornices, 773 Liberty, Springfield, Mass.
Brusa Bros., granite, Barre, Vt.
Bruser, W. H., cornices & skylights, Vicksburg, Miss.
Brush Creek Coal Mining Co., bituminous, Punxsutawney, Pa.
Brush-McCoy Pottery Co., Zanesville, O.
Brushaber & Co., C. H., 30 Church St., New York.
Brusher, J. B., handles, tex. machy. supplies, Norristown, Pa.
Bryan & Bippus, tubular boilers, 3900 McCol, Wheeling, W. Va.
Bryan & Co., Phelps, contractors, Jacksonville, Fla.
Bryan Brick Co., Bryan, Ohio.
Bryan Co., signs, 2120 E. 19th, Cleveland, Ohio.
Bryan Cotton Oil Co., fertilizer mfrs., Bryan, Texas.
Bryan Cotton Oil & Fertz. Co., meal, Bryan, Texas.
Bryan, H. E., cornices and skylights, Cadiz, Ohio.
Bryan Hardware Co., (wholesale), Bryan, O., & Westfield, Mass.
Bryan-Marsh, Division, National Lamp Works of G. E. Co., 623 S. Wabash Ave., Chicago, Ill.
Bryan Mfg. Co., barrows, Bryan, Ohio.
Bryan, N. C., turpentine, Monticello, Fla.
Bryan Novelty Mfg. Co., Bryan, O.
Bryan Pattern & Machine Co., The, Bryan, Ohio.
Bryan Show Case Co., Bryan, Ohio.
Bryant & Trott Co., cornices & skylights, Santa Maria Cal.
Bryant Bros., 79 E. Main, Columbus, O.
Bryant Chucking Grinder Co., Springfield, Vt.
Bryant, E. R., porcelain spec., 183 Congress, Boston, Mass.
Bryant Electric Co., Bridgeport, Conn.
Bryant Fertilizer Co., Alexandria, Va.
Bryant Furniture Co., bedstead mfrs., Truxton, N. Y.
Bryant Heater & Mfg. Co., 952 E. 72nd St., Cleveland, O.
Bryant, J. W., Co., fndrs., 2601 University Ave., S. E., Minneapolis, Minn.
Bryant Lumber Co., 3201 Fremont St., Seattle, Wash.
Bryant Mfg. Co., wood handles, Springfield, Ohio.
Bryant Mfg. Co., 456-466 W. Ontario St., Chicago.
Bryant Paper Co., Kalamazoo, Mich.
Bryant Paving Co., contrs., Waterloo, Iowa.
Bryant Uph. Furniture Co., 1622 W. 7th, Los Angeles, Cal.
Bryant Zinc Co., 600 Orleans St., Chicago.
Bryant's, John, Sons, carriages, 15 Austin, Boston, Mass.
Bryce Bros. Co., glass tumblers, Mount Pleasant, Pa.
Bryce Heating & Ventilating Co., Toledo, Ohio.
Bryden Horse Shoe Co., Catasauqua, Pa.
Brydon Bros. Harness & Saddlery Co., 239 S. Main, Los Angeles, Cal.
Brydson Bros., contrs., Austin, Texas.
Bryer, A. E., Contracting Co., 461 Western Ave., Lynn, Mass.
Brylgon Steel Casting Co., connecting rods, New Castle, Del.
Bryne, A. W., & Sons, contrs., Hartford, Conn.
Bryson City Pump Works Co., Bryson City, N. C.
Bryson, D. A., lumber, Montpelier, Ind.
Bubeck & Guerin, poker sets, humiditors, etc., 31 E. 17th, New York.
Buch's, A., Sons Co., agricultural implements, 280 Madison Ave., Elizabethtown, Pa.
Buch Fdry. Equipment Co., molding machs., Bridgeport, Pa.
Buch Mfg. Co., Elizabethtown, Pa.
Buchan, P. F., turpentine, Manley, N. C.
Buchan Soap Co., 988 Hume Ave., N. W., Cleveland, O.
Buchanan & Burns Co., manicure files, 45 Austin, Newark, N. J.
Buchanan & Daly Co., Joliet, Ill.
Buchanan, A., Jr., soil pipe connections, 490 Sumner Ave., Brooklyn, N. Y.
Buchanan Bolt & Wire Co., Holyoke, Mass.
Buchanan Cabinet Co., Buchanan, Mich.
Buchanan Chemical Co., C. G., Station H, Cincinnati, O.
Buchanan Co., Inc., C. G., 90 West St., New York.

BUCHANAN CO., THE THOS., 114 W. Pearl, Cincinnati, O.

Buchanan, Geo. J. Co., cornices & skylights, 87 Commercial Wharf, Boston, Mass.
Buchanan, Jos. W., carriages, 2335 E. Raymond, Indianapolis, Ind.
Buchanan Leather Co., Buchanan, Mich.
Buchanan Lumber Co., Olympia, Wash.
Buchanan, S. G., carriages, Mays Lick, Ky.
Buchanan Supply Co., J. F., 1904 Sansom St., Philadelphia, Pa.
Buchanan, Washington T., contr., Dept. H, Crawfordsville, Ind.

Buchanan, Wm., cornices, 488 Sumner Ave., Brooklyn, N. Y.
Buchanan, Wm., 512 R. A. Long Bldg., Kansas City, Mo.
Buchanan, Wm., 512-522 State Nat. Bank Bldg., Texarkana, Ark.
Buchanan, Wm. (Hardware, etc.), 1739 Larkin, San Francisco, Cal.
Buchannon River Coal Co., Uniontown, Pa.
Buchanon & Smock Lbr. Co., Asbury Park, N. J.
Bucher & Gibbs Plow Co., 800-36 2nd St., S. E., Canton, O
Bucher, E. Packing Co., meat packers, Cairo, Ill.
Bucher-Smith Co., East Liverpool, O.
Bucher, Wm. M., & Son, sash, door & blinds, Harrisonburg, Va.
Buchheimer, Geo. H., sporting goods, dog collars, etc., 508H S. Ann, Baltimore, Md.
Buchholtz, C., Co., machsts., Hoboken, N. J.
Buchleins', Hy., Sons, stencils, 27 Green, Newark, N. J.
Buchwald, Chas. A., Lumber Co., Marshalltown, Ia.
Buck & Mullen, contractors, Muskegon, Mich.
Buck & Sons, Peter E., Ashland, Pa.
Buck & Stoddard, oil well supplies, 215 W. 7th, Los Angeles, Cal.
Buck & Toole Milling Co., flour, Bloomfield, Mo.
Buck Bros., Main St., Millbury, Mass.
Buck, C. H., & Co., signs—brass, electric, glass, etc., 411 Dorchester Ave., Boston, Mass.
Buck Creek Cotton Mills, Siluria, Ala.
Buck Creek Lumber Co., Anlauf, Ore.
Buck, E. A., & Co., mill supplies, whol. hdwe., etc., Palmer, Mass.
Buck Glass Co., glass bottles, Fort Ave. & Lawrence, Baltimore, Md.
Buck, H. E., Brick Mfg. Co., Lake Charles, La.
Buck, J. F., turpentine, Apalachicola, Fla.
Buck, Lawrence, architect & archl. water colorist, 64 E. Van Buren, Chicago, Ill.
Buck, Levin T., & Co., common brick, Weems, Va.
Buck, R. B., brick, Morris, Ill.
Buck, T., & E. R., lumber, West Sterling, Mass.
Buck, T. S., Mfg. Co., rubber stamps, 535 B'way, N. Y.
Buckbee, J. C., Co., complete stone crushing plants, etc., 38 S. Dearborn, Chicago, Ill.
Buckelew Hardware Co., Shreveport, La.
Buckeye Aluminum Co., Wooster, O.
Buckeye Baler Co., presses, Findlay, Ohio.
Buckeye Belting & Supply Co., The, 1560 W. Third St., Cleveland, O.

BUCKEYE BLOWER COMPANY, 425 W. Town St., Columbus, O.
V. P.—G. C. Bowman.
Sec.—R. M. Spencer.
Treas.—C. L. LaMonte.
Sales Mgr.—Wm. Irvin Lawson.
Atlanta, Ga.—372 Whitehall St., J. W. Hinckey.
Baltimore, Md.—813 George St., Chas. Linhardt, Jr.
Chicago—923 Monadnock Block, W. J. McEvoy.
Cincinnati, O.—Queen City Supply Co.
Clarksburg, W. Va.—West Virginia Mine Supply Co.
Clearfield, Pa.—Electric Supply Co.
Columbus, O.—Reeves Machinery Co.
Hazard, Ky.—Sterling Hardware Co.
Huntington, W. Va.—The Miller Supply Co.
Knoxville, Tenn.—Tennessee Mill & Mine Supply Co.
Morgantown, W. Va.—Monongahela Supply Co.
New York—1400 Broadway.
Pittsburgh, Pa.—709 Columbia Bank Bldg.

Buckeye Boiler Co., 1617 McLain, Dayton, O.
Buckeye Boiler Skimmer Co., Waterworks Drive, Toledo, O.
Buckeye Brass & Mfg. Co., Inc., 6410 Hawthorne Ave., Cleveland, O.
Buckeye Builders Supply Co., Toledo, Ohio.
Buckeye Canning Co., Continental, Ohio.
Buckeye Castings Co., Lima, Ohio.
Buckeye Chemical Co., boiler compounds, 1351 Porter, Detroit, Mich.
Buckeye Churn Co., Sidney, O.
Buckeye Clay Pot Co., Toledo, Ohio.
Buckeye Cotton Oil Co., 419 E. 2nd, Cincinnati, Ohio.
Buckeye Cream Separators Co., Oberlin, Ohio.
Buckeye Drill & Lathe Co., Marion rd., Columbus, Ohio.
Buckeye Dryer Co., Inc., 131 W. Lake, Chicago, Ill.
Buckeye Dryer Co., The, 243 N. High St., Columbus, O.
Buckeye Electric Division of General Electric Co., 8th Fl. Eluminating Bldg., Cleveland, O.
Buckeye Engine Co., Salem, Ohio.
Buckeye Fire Clay Co., Uhrichsville, O.
Buckeye Forging Co., yoke ends & brake rods, 10249 Harvard av., Cleveland, Ohio.
Buckeye Fdry. Co., Buck St., Cincinnati, O.
Buckeye Furn. Co., Dept. H, Toledo, Ohio.
Buckeye Handle, Gear & Bending Co., Alliance, O.
Buckeye Hdwe. Co., mill & facty. supps., Findlay, O.
Buckeye Incubator Co., Springfield, Ohio.

BUCKEYE IRON & BRASS WORKS, 322 E. 3rd St., Dayton, O.

BUCKEYE JACK MFG. CO., The, Alliance, O.
Treas. & Gen. Mgr.—E. C. Bates.
Buckeye Mach. Co., Lima, Ohio.
Buckeye Mfg. & Foundry Co., 2046 W. 55th St., Cleveland, O.
Buckeye Mfg. & Fdry Co., Overpeck, O.
Buckeye Mfg. Co., automobile bldrs. & machsts, Anderson, Ind.
Buckeye Mfg. Co., Canton, O.
Buckeye Marble Co., Hamilton, Ohio.
Buckeye Mill & Lumber Co., Jackson, Ohio.
Buckeye Paint and Varnish Co., The, 715 S. 15th St., Toledo, O.
Buckeye Paste Co., 270 S. Wall, Columbus, Ohio.
Buckeye Planing Mill Co., Baltimore, Ohio.

BUCKEYE PRODUCTS COMPANY, INC., THE, 915-917 W. 5th St., Cincinnati, O.
Buckeye Pump & Mfg. Co., Columbus, O.
Buckeye Ribbon & Carbon Co., 1466 E. 55th St., Cleveland, O.
Buckeye Rolling Mill Co., Steubenville, O.
Buckeye Rubber Products Co., Willoughby, O.
Buckeye Saw Mfg. Co., 287 N. Water St., Columbus, O.
Buckeye Sewer Pipe Co., Akron, O.
Buckeye Stamping Co., Marion Rd. East of Parsons Ave., Columbus, O.
Buckeye Stave Co., lumber, Leipsic, Ohio.
Buckeye Steel Castings Co., S. Parsons Ave., Columbus, O., and Chicago.
Buckeye Steel Funrace Co., Dayton, Ohio.
Buckeye Supply Co., scrap iron & steel, Marietta, Ohio.
Buckeye Tempered Copper & Brass Co., Mansfield, O.
Buckeye Tool & Machine Co., New Philadelphia, O.
Buckeye Traction Ditcher Co., Findlay, O.
Buckeye Twist Drill Co., Alliance, O.
Buckeye Welding & Supply Co., 1246-50 St. Clair Ave. East, Cleveland, Ohio. (Now Foster & Beecher Co.)
Buckeye Window Glass Co., Benham av., Columbus, Ohio.
Buckeye Wrecking & Salvage Co., second hand bldg. materials, 959 W. 7th, Cincinnati, Ohio.
Buckeystown Packing Co., Buckeystown, Md.
Buckhannon Chemical Co., wood alcohol, Olean, N. Y.
Buckhannon Woolen Mills, flannels, Buckhannon, W. Va.
Buckle Printers' Ink Co., 714 S. Clark, Chicago, Ill.
Buckingham, N., & Co., coffins, caskets, etc., 181 State, Bridgeport, Conn.
Buckingham-Routh Co., hot water radiators, 64 Grove, New Haven, Conn.
Buckingham, W. H., linemen's climbers Binghamton, N. Y.
Buckingham, W. J., & Son, handles—wood, Mathiston, Miss.
Buckley & Douglas Lumber Co., Manistee, Mich.

BUCKLEY, DEMENT & COMPANY, 300 Throop St., Corner Jackson Blvd., Chicago.
Buckley, Ellwood, contractor, Atlantic City, N. J.
Buckley, Fred, cornices & skylights, Wichita, Kans.
Buckley, J., Co., meat packers, Chester, Pa.
Buckley, J. M. & C. J., Co., contrs., 128H Vernon, Worcester, Mass.
Buckley, J. N., brass & composition fndrs., Dalton, Mass.
Buckley, Jeremiah, contractor, 2233 Creston av., New York.
Buckley Rubber Co., John W., 69 Warren St., N. Y.
Buckley, Thos. J., Constr. Co., 303 5th av., New York.
Buckley, Walter F., fndrs., 627 Filbert, Philadelphia, Pa.
Buckley, Washington, Inc., contractor, 666 Kent Ave., Brooklyn, N. Y.
Buckley's, B., machsts., Paterson, N. J.
Bucklin, C. R., Belting Co., Pawtucket, R. I.
Buckmaster-Luck-Malochee Inc., Assn. of Comm. Bldg., New Orleans, La.
Buckminster Co., Geo. H., 59 Oliver St., Boston, Mass.
Bucknall, Scholts & Co., 193 Water St., New York.
Bucknell Univ. Dept. of C. E., engng. school & coll., Lewisburg, Pa.
Buckner & French, 420 Lumberman Bldg., Portland, Ore.
Buckner Mfg. Co. ,lawn sprinklers, hose nozzles, etc., 95 Blackstone av., Fresno, Cal.
Buckner-Woodard Co., Inc., machy. dlrs., 924 1st Ave., S, Seattle, Wash.
Buck's Stove & Range Co., 3500 N. 2nd St., St. Louis, Mo.
Buckstaff Co., caskets, etc., Oshkosh, Wis.
Buckstaff-Sprague Lumber Co., Morris, Wis.
Buckwalter, J. A., wholesale hdwe. & masons' & bldrs.' matls., Royersford, Pa.
Buckwalter Lumber Co., J. R., Union, Miss.
Buckwalter, John S., Co., connecting rods, 413 N. Mary, Lancaster, Pa.
Buckwalter Stove Co., Royersford, Pa.
Bucoda Shingle Co., Bucoda, Wash.

BUCYRUS COMPANY, THE, P. O. Box Y, South Milwaukee, Wis.
Bucyrus Copper Kettle Works, Bucyrus, O.
Buda Company, The, Harvey (Chicago Suburb), Ill.
Budd & Ranney Eng. Co., Chestnut & Water St., Columbus, O.
Budd, B. F., & Son, contractors, Sharon, Pa.
Budd Grate Co., 2013 E. Letterly, Philadelphia, Pa.
Budd Mfg. Co., Edward G., 25th & Hunting Pk., Philadelphia, Pa.
Budd Wheel Corp., 22nd & Lehigh, Philadelphia, Pa.
Budde & Weis Mfg. Co., bank, office & store fixtures, Jackson, Tenn.
Budde & Westermann, match mfrs., tin foil, 7th Ave. & 29th, New York.
Budde Mfg. Co., plumbers' wood work, 4 Summer, San Francisco, Cal.
Buddenbaum Lbr. Co., Pine & N. Y., Indianapolis, Ind.
Buddy, Phil. P., Bldg. & Constr. Co., St. Joseph, Mo.
Budge, Frank T., Co., wholesale hdwe., Miami, Fla.
Budgell, W. J., & Sons, leather, Peabody, Mass.
Budke Stamping Co., drip pans, stove pipes, etc., Canonsburg, Pa.
Buebendorf Bros., flint pebbles, Produce Exch., New York.
Bueche, Frank, & Co., contractors, 13 Lippincott, Cincinnati, Ohio.
Buecker, Henry F., mach., Newport, Ky.
Buehler, G., & Co., furniture, 301 N. Front, Allentown, Pa.
Buehner Lumber Co., Yeon Bldg., Portland, Ore.
Buehner Lbr. Co., North Bend, Ore.
Buel Control Co., Victor Bldg., Washington, D. C.
Buell, B. B., & Co., Maritime Bldg., Seattle, Wash.
Buell Bros., hdwe. mfrs., Clinton, Conn.
Buell Bros., radiator trucks, Fulton, N. Y.
Buell, C. S., Co., cornices, 198 4th ave., Brooklyn, N. Y.
Buell, Ward S., contractor, Albion, N. Y.
Buell Mfg. Co., 2975-77 Cottage Grove Ave., Chicago.
Buena Vista Foundry Co., machsts. & fndrs., Buena Vista, Va.
Buente, Louis C., stone, 3656 Spring ave., Cincinnati, Ohio.
Buerkel & Co., mill & facty. supp., 24 Union Park, Boston, Mass.
Buerkens Mfg. Co., Pella, Ia.
Buerkin & Kaempen, contractors, Quincy, Ill.
Buermann Mfg. Co., August, 220 Jelliff Ave., Newark, N. J.
Buerstrin Constr. Co., 567 E. Water, Milwaukee, Wis.
Buescher Band Instrument Co., Elkhart, Ind.
Buettner & Shelburne Mch. Co., 3rd & Menshall Sts., Terre Haute, Ind.
Buesching Hagerman & Co., contrs., 402 E. Superior, Fort Wayne, Ind.
Buff & Buff Mfg. Co., Jamaica Plain Stat., Boston.
Buff & Buff Mfg. Co., 46 Dey St., New York.
Buffalo & Susquehanna Coal & Coke Co., bituminous, Du Bois, Pa.
Buffalo Apparatus Corp., 192 Main St., Buffalo, N. Y.
Buffalo Automatic Mfg. Co., paper clips & fasteners, 165 Pearl, Buffalo, N. Y.
Buffalo Bag Co., Rano St., Buffalo, N. Y.
Buffalo Bath Cabinet Co., 435 William, Buffalo, N. Y.
Buffalo Belt Dressing Co., 962 Kensington ave., Buffalo, N. Y.
Buffalo Belting Wks., 18 Ellicott, Buffalo, N. Y.
Buffalo Blue Print Co., Andrews Bldg., Buffalo, N. Y.
Buffalo Bolt Co., North Tonawanda, N. Y.
Buffalo Bolt Co., P. O. Drawer 969, Buffalo, N. Y.
Buffalo Box Factory, Buffalo, N. Y.

BUFFALO BRAKE BEAM CO., 82 Nassau St., New York
Pres.—S. A. Crone.
V. P.—A. E. Crone.
Secy. & Treas.—E. C. Farlow.
Buffalo, N. Y.—W. D. Chaffee; E. F. Gladwell.
Hamilton, Ont.—J. W. Maricle.
Montreal, Que.—O. W. Meissner.
New York—C. R. Busch.
St. Louis, Mo.—Edwin Strassburger.
St. Paul, Minn.—V. F. DeVinney.
Washington, D. C.—A. Gordon Jones.
Buffalo Brass Casting Corp., 262 Elk, Buffalo, N. Y.
Buffalo Brick Co., Kansas City, Mo.
Buffalo Bronze Die Cast Corp., 100 Arthur St., Buffalo, N. Y.
Buffalo Can & Bottle Filling Machine Co., 308 Terrace, Buffalo, N. Y.
Buffalo Can Co., 60 Union, Buffalo, N. Y.
Buffalo Car Wheel Fdy. Co., Dun Bldg., Buffalo, N. Y.
Buffalo Cement Co. (Ltd.), 110 Franklin St., Buffalo, N. Y.
Buffalo Chandelier Corp., The, 233 Ellicott St., Buffalo, N. Y.
Buffalo Chemical Fire Extinguisher Co., Buffalo, N. Y. (Now Buffalo Fire Appliance Co.)
Buffalo Concrete Stone & Brick Co., Ft. of Hudson, Buffalo, N. Y.
Buffalo Co-operative Stove Co., Buffalo, N. Y.
Buffalo Contrs. Equip't Co., concrete mixers, 1443 Niagara, Buffalo, N. Y.
Buffalo Corrugated Container Company, 25 Imson, Buffalo, N. Y.
Buffalo Crushed Stone Co., Ellicott Sq., Buffalo, N. Y.
Buffalo Cut Glass Co., Batavia, N. Y.
Buffalo Davenport Bed Co., 15 Bradley, Buffalo, N. Y.
Buffalo Dental Mfg. Co., 589 Main, Buffalo, N. Y.
Buffalo Dredging Co., Morgan Bldg., Buffalo, N. Y.
Buffalo Dry Dock Co., Ganson, Buffalo, N. Y.
Buffalo Eagle Coal Co., Braeholm, W. Va.
Buffalo Engine Co., 1 Randall St., Buffalo, N. Y.
Buffalo Engng. Co., Erie Co., 1 Randall, Buffalo, N. Y.
Buffalo Envelope Co., 268 Mich. ave., Buffalo, N. Y.
Buffalo Fertilizer Works, Mutual Life Bldg., Buffalo, N. Y.

BUFFALO FILLING MACHINE CO., 312 Terrace, Buffalo, N. Y.

BUFFALO FIRE APPLIANCE CORP., 44 Central Ave., Buffalo, N. Y.
Pres.—Geo. R. Stephens.
Sec.—Ralph R. Young.
Treas.—Edwin Zurbrick.
D. C.—Washington, Leon Comerford, Mgr., 1831 Ontario Pl., N. W.
Ga.—Atlanta, L. P. Latham, Mgr., 59 Luckie St.
Ill.—Chicago, Thos. F. Hornaday, Mgr., 417 S. Dearborn St.
Pa.—Pittsburgh, J. J. Conroy, Mgr., Fulton Bldg.

Buffalo Fire Door Co., 80 Terrace, Buffalo, N. Y.
Buffalo Flour Milling Co., Central Tr. Bl., Philadelphia, Pa.

BUFFALO FORGE CO., 500 Broadway, Buffalo, N. Y.
Pres.—H. W. Wendt.
Secy.—H. W. Wendt, Jr.
Treas.—E. F. Wendt.
Boston, Mass.—Room 605, 177 State St.
Chicago, Ill.—562 W. Washington Blvd.
Cincinnati, O.—710 Mercantile Library Bldg.
Cleveland, O.—368 Kirby Bldg.
Denver, Colo.—1718 California St.
Detroit, Mich.—1772 W. Lafayette Blvd.
Indianapolis, Ind.—1016 Fletcher Trust Bldg.
Kitchener, Ont.—Canadian Blower & Forge Co.
London, Eng.—24 Buckingham Gates.
Los Angeles, Calif.—636 H. W. Hellman Bldg.
Minneapolis, Minn.—120-122 S. Ninth St.
New York—39-41 Cortlandt St.
Philadelphia, Pa.—1303—Land Title Bldg.
Pittsburgh, Pa.—917 Union Arcade.
St. Louis, Mo.—515 Chemical Bldg.
Washington, D. C.—501 Washington Loan & Trust Bldg.

BUFFALO FOUNDRY & MACHINE CO., 65 Winchester Ave., Buffalo, N. Y.
Branch Office:
New York—17 Battery Pl.

Buffalo Galvanizing & Tinning Works, 43-53 Jackson St., Buffalo, N. Y.
Buffalo Gas Co., gas retort carbons, Buffalo, N. Y.
Buffalo Gas Mantle Co., 407 Master St., Buffalo, N. Y.
Buffalo Gasoline Motor Co., 1280 Niagara St., Buffalo, N. Y.
Buffalo Gear & Pattern Wks., 16-20 Elk St., Buffalo, N. Y.
Buffalo Glass Co., 101 Seneca, Buffalo, N. Y.
Buffalo Grille Co., 270 Court, Buffalo, N. Y.
Buffalo Hardwood Lumber Co., 940 Seneca St., Buffalo, N. Y.
Buffalo Hoist & Derrick Co., Inc., 129 Erie St., Buffalo, N. Y.
Buffalo House Wrecking & Salvage Co., Sycamore St. & Erie R. R., Buffalo, N. Y.
Buffalo Incubator Co., 543 Seneca, Buffalo, N. Y.
Buffalo Jewelry Case Co., 329 Broadway, Buffalo, N. Y.
Buffalo Knife Co., 700 Main, Buffalo, N. Y.
Buffalo Lamp Co., 206 Elm, Buffalo, N. Y.
Buffalo Last Wks., clogs, 4 Lock, Buffalo, N. Y.
Buffalo Leather Goods Co., 362 Main, Buffalo, N. Y.
Buffalo Litholite Co., Main & Amherst Sts., Buffalo, N. Y.
Buffalo Machine Key Co., 62 Clyde Ave., Buffalo, N. Y.
Buffalo Mach. Mfg. Co., 1354 West ave., Buffalo, N. Y.
Buffalo Mfg. Co., 444 Niagara St., Buffalo, N. Y.
Buffalo Mattress Co., 135 Church, Buffalo, N. Y.
Buffalo Metal Furniture Mfg. Co., 1511-1513 Niagara St., Buffalo, N. Y.

BUFFALO METER CO., 2921 Main St., Buffalo, N. Y.
Buffalo Mill Supply Co., 310 Main St., Buffalo, N. Y.
Buffalo Nipple & Machine Co., Inc., 335 Glenwood Ave., Buffalo, N. Y.
Buffalo Non-Ferrous Casting & Mfg. Co., 1487 Niagara St., Buffalo, N. Y.
Buffalo Oil & Compound Co., 146 Mohican, Buffalo, N. Y.
Buffalo Oil, Paint & Varnish Co., 24 Evans, Buffalo, N. Y.
Buffalo Paragon Wall Plaster Co., 1336 Genessee, Buffalo, N. Y.
Buffalo Pattern Works, 13-17 Perry St., Buffalo, N. Y.
Buffalo Pitts Co., 27 Carolina St., Buffalo, N. Y.
Buffalo Plumbing Supply Co., 665 Filmore St., Buffalo, N. Y.
Buffalo Porcelain Enameling Corp., signs, etc., 1927 Elmwood ave., Buffalo, N. Y.
Buffalo Pottery, 1456 Seneca, Buffalo, N. Y.
Buffalo Precision Machine & Foundry Corp., 8-16 Hanover St., Buffalo, N. Y.
Buffalo Pressed Steel Co., Inc., 778 Kensington Ave., Buffalo, N. Y.
Buffalo Printing Ink Wks., 1543 Niagara, Buffalo, N. Y.
Buffalo Pulley & Caster Co., Inc., 183 Breckenridge St., Buffalo, N. Y.
Buffalo Refining Co., 77 Main St., Buffalo, N. Y.
Buffalo Refrigerating Machine Co., 39 Lafayette St., Brooklyn, N. Y.
Buffalo & Susquehanna Coal & Coke Co., bituminous, Du Bois, Pa.
Buffalo Sandstone Brick Co., 195 Fillmore St., Buffalo, N. Y.

BUFFALO SCALE CO., INC., (Mfrs. of Scales, testing machines & grain testers), 1205 Niagara St., Buffalo, N. Y.
Pres. & Treas.—Theodore L. Richmond.
Secy.—Frank A. Avery.
Chicago—9 S. Clinton St.
Cleveland—511 Perry Payne Bldg.
New York—200 5th Ave.

Buffalo Scientific Co., 619 Main St., Buffalo, N. Y.
Buffalo Smelting Wks., 447 Tonawanda, Buffalo, N. Y.
Buffalo Specialty Co., 375 Ellicott, Buffalo, N. Y.

BUFFALO SPRINGFIELD ROLLER CO., Springfield, O.

Buffalo Standard Ink Co., 21 Illinois St., Buffalo, N. Y.
Buffalo Steam Pump Co., steam & centrifugal pumps, 490 Broadway, Buffalo, N. Y.
Buffalo Steam Roller Co., Elmer & Carolina St., Buffalo, N. Y.
Buffalo Steel Car Co., P.O. Box 465, Buffalo, N. Y.
Buffalo Steel Co., Tonawanda, N. Y.
Buffalo Stretcher Mfg. Co., 1422 Niagara, Buffalo, N. Y.
Buffalo Structural Steel Co., 166 Dart, Buffalo, N. Y.
Buffalo Tool & Supply Co., mill & facty supps., Buffalo, N. Y.
Buffalo Toy & Tool Wks., 520 Broadway, Buffalo, N. Y.
Buffalo Trunk Mfg. Co., 127 Cherry St., Buffalo, N. Y.
Buffalo Union Furnace Co., Marine Trust Bldg., Buffalo, N. Y.
Buffalo Wash Tray Works, Inc., laundry tubs, 597H Tonawanda, Buffalo, N. Y.
Buffalo Waste Paper Co., scrap iron, rubber, etc., 345 Babcock, Buffalo, N. Y.
Buffalo Weaving & Belting Co., 215 Chandler St., Buffalo, N. Y.
Buffalo Wholesale Hardware Co., 317 Washington, Buffalo, N. Y.

BUFFALO WIRE WORKS CO., 453 Terrace, Buffalo, N. Y.
Pres.—Martin Scheeler.
V. P.—Ferdinand Grimm.
Secy. & Asst. Treas.—John C. Scheeler.
Treas.—Charles A. Scheeler.
Branch:
Philadelphia, Pa.—9-11 S. 7th St.

Buffalo Woven Label Wks., 565 Washington, Buffalo, N. Y.
Buffelen Lumber & Mfg. Co., veneer panels, Tide Flats, Tacoma, Wash.
Buffington & Co., C. A., Berkshire, N. Y.
Buffington Wheel Co., Burlington, Ia.
Buffum Tool Co., bricklayers' chisels, South Side, Louisiana, Mo.
Buford Bros., 520 N. 20th Ave., Nashville, Tenn.
Bugbee, E. A., Co., granite, Barre, Vt.
Bugbee, H. A., fertilizer mfrs., Willimantic, Conn.
Bugbee, Newton A. K., & Co., contractors, Trenton, N. J.
Buhl, G. A., Co., steam dryers, 526 W. 18th, Chicago, Ill.
Buhl Malleable Co., 3290 Wight, Detroit, Mich.
Buhl Sons Co., Ft. of Adair, Detroit, Mich.
Buhl Stamping Co., Scotten & M. C. R. R., Detroit, Mich.
Buhler Mill & Elevator Co., Buhler, Kan.
Buhles, W. C., can openers, 1540 San Pablo ave., Oakland, Cal.
Buhlmann, A. W., 200 Fifth Ave., New York (Textile Engr.)
Buhne Metal Packing Co., 99 Nassau St., New York.
Buhner, F. F., fertilizer, Seymour, Ind.
Buhr Mfg. Co., agricultural implements, Washington, Mo.
Buhring Water Purifying Co., 68 Murray St., N. Y.

BUHRKE CO., R. H., 1250 Fullerton Ave., Chicago.
Pres.—J. E. Schank.
V. P.—A. E. Buhrke.

Buhrman, J. B., & Son, canned goods, Gala, Va.
Buhrman, Pharr Hdwe. Co., Texarkana, Ark.
Buick Motor Co., Flint, Mich.
Buie, J. C., sashes, doors & blinds, Burnt Fort, Ga.
Builder & Contractor (see Southwest Builder & Contractor, successor).
Builders Brick Co., 118 N. La Salle, Chicago, Ill.
Builders Brick Co., Hoge Bldg., Seattle, Wash.
Builders Brick Mfg. Co., Hooper, Neb.
Builders Iron & Steel Co., 25 Garvey St., Everett, Mass.
Builders' Finance Assn., contrs., Laughlin Bldg, Los Angeles, Cal.
Builders' Guide (Building News Publishing Co.), H, Perry Bldg., Phila, Pa.
Builders Hardware & Supply Co., 7 North Park, Portland, Ore.
Builders' Iron & Steel Co., 25 Garvey, Boston, Mass.
Builders Iron Foundry, 9 Codding St., Providence, R. I.
Builders' Iron Works, Inc., 1514 E. Scotts, Stockton, Cal.
Builders' Lime & Cement Co., Davenport, Ia.
Builders' Lumber & Supply Co., contrs., W. 73d & Denison, Cleveland, Ohio.
Builders' Lumber & Supply Co., Macon, Ga.
Builders' Mfg. & Supply Co., sashes, Sawyer & Hood, Tacoma, Wash.
Builders Mfg. Co., 828 Wells St., Chicago.
Builders' Material Supply Co., 815 Continental Bldg., Kansas City, Mo.
Builders Material Supply Co., Inc., 501 Fifth Ave., New York.
Builders' Material Supply Co., Center, Newark, N. J.
Builders' Products Co., Lake Charles, La.
Builders' Service & Supply Co., 306 13th, Oakland, Cal.
Builders' Service & Supply Co., Inc., 76 E. San Fernando, San Jose, Cal.
Builders Supply Co., Akron, O.
Builders' Supply Co., sash, door & blind mfrs., 2228 W. Madison, Chicago, Ill.
Builders' Supply Co., sash, door & blind, Everett, Wash.
Builders' Supply Co., Gaffney, S. C.
Builders' Supply Co., Los Angeles, Cal.
Builders' Supply Co., San Antonio, Tex.
Builders' Supply Co., Shreveport, La.
Builders' Supply Depot, 42 8th, San Francisco, Cal.
Bldg. Age, trade publication, 239 W. 39th, New York.
Building and Engineering News, trade publications, 818 Mission, San Francisco, Cal.
Building Const. Co., 343 S. Dearborn, Chicago, Ill.
Building Material Exhibit, The, 218 S. Wabash Ave., Chicago, Ill.
Building News Publishing Co., Perry bldg., Phila., Pa.
Building Products Co., bldrs. supplies, Summit & Sandusky, Toledo, Ohio.
Building Products Co., builders' supplies, 67 E. Long, Columbus, Ohio.
Building Review, trade publication, 50 Main, San Francisco, Cal.
Building Supply News (Industrial Publications, Inc.), trade journal, 407 S. Dearborn, Chicago, Ill.
Building Supplies Corp., 1900 Monticello, Norfolk, Va.
Built-In Fixture Co., ironing boards, folding tables, etc., 2603 San Pablo ave., Berkeley, Cal.
Buissono Bros. Mfg. Co., machinists, 3351 Parnell, Chicago, Ill.
Bulasky, L., hatters' machy., 43 Bleecker, New York.
Bulis. J. C., Mfg. Co., paper boxes, 1122 S. 12th, St. Louis, Mo.
Bulkley, Dunton & Co., 75 Duane, New York.
Bulman, E. O., Mfg. Co., bottle openers, Grand Rapids, Mich.

BULL ADVTG. AGENCY, NORRIS L., Hartford, Conn.

Bull Dog Lock Washer Co., see Waynesboro Nut Lock Co. (successors).
Bull Dog Tractor Co., Fond du Lac, Wis.
Bull, Norris L. (advertising counsellor), 721 Main, Hartford, Conn.
Bull Run Talc & Soapstone Co., Clifton Station, Va.
Bullard & Co., A., maps, 446 Tremont, Boston, Mass.
Bullard & Gormley Co., whol. hdwe., 54 E. Lake, Chicago, Ill.
Bullard Brick Co., Jackson, Miss.
Bullard, E. D., 268 Market St., San Francisco, Cal.

BULLARD MACHINE & TOOL CO., THE, Bridgeport, Conn.
Distributors:
CALIF.—Los Angeles—Harron, Rickard & McCone Co., 225 S. San Pedro St., Phones Home 10772 & Main 471.
San Francisco—Harron, Rickard & McCone Co., 139-149 Townsend St., Kearny 2240.
COLO.—Denver, The Hendrie & Bolthoff Mfg. & Supply Co., 1621-1639 Seventh St., Main 75.
GA.—Atlanta, The Walraven Co., 36-38 West Alabama St., Main 0716, 0717, 0718.
ILL.—Chicago—Marshall & Huschart Machy. Co., 17 S. Jefferson St., Main 0773, Main 0774.
IND.—Indianapolis—Marshall & Huschart Machy. Co. of Indiana, 438 Postal Station Bldg., Main 0929.
LA.—New Orleans—C. T. Patterson Co., Ltd., Main 613-618.
MICH.—Detroit—The Motch & Merryweather Machy. Co., 2842 W. Grand Blvd., Empire 4976.
MINN.—Duluth—Robinson, Cary & Sands Co., Melrose 1490.
St. Paul—Robinson, Cary & Sands Co., Garfield 4341.
MO.—St. Louis, Elliott & Stephens Machy. Co., 901-904 Chemical Bldg., Main 862, 364.
O.—Canton—The Match & Merryweather Machy. Co., 700 McKinley Ave., S. W.
Cincinnati—The Motch & Merryweather Machy. Co., First National Bank Bldg., Main 2666.
Cleveland—The Motch & Merryweather Machy. Co., W. 3rd & Lakeside Ave., Phone Main 1000—LD 70.
Columbus—The Motch & Merryweather Machy. Co., 1540 Hawthorne Ave.
PA.—Erie—The Motch & Merryweather Machy. Co., 721 Cascade St.
Philadelphia—W. E. Shipley Machy. Co., 1421 Chestnut St., Locust 3176, 3177 (Bell) Race 5613 (Keystone).
Pittsburgh—The Motch & Merryweather Machy. Co., 130 Seventh St., Phones Smithfield 2497, 2498.
UTAH—Salt Lake City—The Salt Lake Hardware Co., Wasatch 425.

Bullard, W. H., Thread Co., Holyoke, Mass.
Bullderick, Fred E., mattresses, Dempsey & C. H. & D. R. R., N. Fairmount, Cincinnati, Ohio.
Bulletin Machine Co., 10 Lock, Buffalo, N. Y.
Bulley & Andrews, contractors, 2040 Harrison, Chicago, Illinois.
Bullion, Alfred G., Co., machy. dlrs. & mill supplies, 660 Howard, San Francisco, Cal.
Bullion Mfg. Co., furn., 658 Howard, San Francisco, Cal.
Bullochville Home Mixture Guano Co., Bullochville, Ga.
Bullock, C. K., & Co., screw cutting dies, mill pick grinders, etc., 1357H Ridge ave., Philadelphia, Pa.
Bullock Mfg. Associates, jewelers' & hdwe. tools mfrs., Springfield, Mass.

BULLOCK, T. H., MFG. CO. (Bellows mfrs.), 863-5 E. 140th St., Cleveland, Ohio.

Bullock Tractor Co., 1801 Diversey Parkway, Chicago.
Bulls Gap Canning Co., Bulls Gap, Tenn.
Bull's Ferry Chemical Co., Edgewater, N. J.
Bulman Mfg. Co., E. O., Grand Rapids, Mich.
Bulotti, C. F., Machinery Co., machinery dealers, railroad supplies, etc., 71 Main, San Francisco, Cal.
Bulow Turpentine Co., Bulow, Fla.
Bultman Co., The F. H., 1071 Berea Road, Cleveland, O.
Bumann Mfg. Co., Litchfield, Ill.
Bumby, Jos., Hardware Co., Orlando, Fla.
Bumpass Coop Co., poultry coops, Bumpass, Va.
Bumps Paper Fastener Co., La Crosse, Wis.
Bumstead, F. F., machinist, Ontario, Cal.
Bunce Art Glass Co., Richmond, Va.
Bunce Metal Products, copper castings, 2652 Long Beach ave., Los Angeles, Cal.
Bunce, Wm. F., 224 Salmon, Portland, Ore.
Bunday Lbr. Co., Linesville, Pa.
Bundo Bros., contractors, 1018 E. 75th, Chicago, Ill.
Bundy-Mfg. Co., machinists, Endicott, N. Y.
Bundy, W. H., Recording Co., time recorders, 69 Cortlandt, New York.
Bungalow Cabinet Works, auto bodies, 5054 S. Puget Sound, Tacoma, Wash.
Bunger & Scheidegger, machinists, Cleveland, Ohio.
Bunker, G. W., Co., contractors, Grand Rapids, Mich.
Bunker Hill & Sullivan, M., & Co., lead, Crocker bldg., San Francisco, Cal.
Bunker Hill Canning Co., Bunker Hill, Ind.
Bunker Shingle Co., Bunker, Wash.
Bunn & Co. B. H., 7329 Vincennes Ave., Chicago.
Bunnecke, Geo. & Sons, contractors, 2002 St. Paul, Baltimore, Md.
Bunnell & Co., auto jacks, 3732 Wallace, Chicago, Ill.
Bunnell & Co., J. H., 32 Park Pl., New York.
Bunnell-Stevens Co., Binghamton, N. Y.
Bunnell, W. H., 131 North St., New York.
Bunny Products Co., shoe cleaners, Port Huron, Mich.

BUNTING BRASS & BRONZE CO., finished bronze bushings & bearings, 738 Spencer, Toledo, O.
Branch Offices:
Boston—36 Oliver.
Chicago—722 S. Michigan Blvd.
Cleveland—710 St. Clair Ave., N. E.
New York—245 W. 54th.
Philadelphia—1330 Arch St.
San Francisco—198 Second (cor. Heward).

Bunting Hardware Co., 810 Walnut St., Kansas City, Mo.
Bunting Iron Works, First National Bank Bldg., San Francisco, Cal.
Bunting, J. R., Bedding Co., 1505 Wharton, Philadelphia, Pa.
Bunting Publication, Inc., trade publication, 9 S. Clinton, Chicago, Ill.
Bunting Stamp Co., 713 Liberty Ave., Pittsburgh, Pa.
Bunton & Bernard, contractors, 684 Auburn, Manchester, N. H.
Buob & Scheu, 216 Webster, Cincinnati, O.
Buonanno & Marcello Co., contractors, 583 Laurel Hill ave., Providence, R. I.
Buoy, Jno. Y., Co., wholesale hardware, mill & facty. supps., Milton, Pa.
Burbank Thawing Mach. Co., 342 Warren, Box, Boston, Mass.
Burch & Co., F. J., Pueblo, Colo.
Burch & Co., F. S., 152 W. Huron St., Chicago.
Burch, Horace O., contractors, New London, Conn.
Burch Plow Works, The, Crestline, O.
Burcher & Robinson, contractors, Scranton, Pa.
Burchett & Billings, lbr., Austin, N. C.
Burchfield Co., T. T., 604 Arch, Philadelphia, Pa.
Burckard Blacking & Oil Co., 1322 Greenmont Ave., Baltimore, Md.
Burckard, Wm. A., & Co., elec. supp., Norfolk, Va.
Burckhardt Co., 519 Eggleston Ave., Cincinnati, O.
Burd Construction Co., 1043 Springer, N. E., Canton, Ohio.
Burd High Compression Ring Co., Rockford, Ill.
Burden Iron Co., Troy, N. Y.
Burdett Chair Mfg. Co., furniture, rattan & reed, Keene, N. H.
Burdett Mfg. Co., cotton mops & rope, Independence Rd. & Belmont, Kansas City, Mo.
Burdett Oxygen Co. of Detroit, 597 Beaufait, Detroit, Mich.
Burdett Oxygen & Hydrogen Co., 809 St. John's St., Chicago.
Burdett-Rowntree Mfg. Co., dumb waiters, 1515 Willow ave., Hoboken, N. J.
Burdett, Smith & Co., Troy, N. Y.
Burdette Cooperage Co., Burdette, Ark.
Burdick & Son, Albany, N. Y.
Burdick, A. W., & Co., cornices & skylights, 105 S. 2nd, Memphis, Tenn.
Burdick Cabinet Co., 614 S. Ashland, Chicago, Ill.
Burdick Electric Co., 72 W. Water St., Milwaukee, Wis.

BURDICK ENAMEL SIGN CO., THE, 220 S. State St., Chicago.
Mgr.—H. B. Richardson.
Factories—Baltimore, Md.; Beaver Falls, Pa.

Burdick, L. F., Co., heating contractors, 2011 Adams, Toledo, O.
Burdick, M. S., mill engnrs. & coffee mills, 60 Tehama, San Francisco, Cal.
Burdie Bros., brick, Glasgow, Mo.
Burdin & Bro., J. J., St. Martinsville, La.
Burditt & Williams Co., 160 Federal St., Boston, Mass.
Burditt & Williams Co., whol. hdwe., 95 Summer, Boston, Mass.
Burdsal Co., A., Capitol Ave. & Georgia St., Indianapolis, Ind.
Bureau Bros., 23rd St. and Westmoreland, Philadelphia, Pa.
Bureau of Engraving, 500 S. 4th St., Minneapolis, Minn.
Burg, E. F., Co., cooking appl., 20 W. 1st, Duluth, Minn.
Burg, L., Carriage Co., Dallas City, Ill.
Burgan Lbr. Co., American bldg., Baltimore, Md.
Burgard, Henry P., Co., contractors, 1968 Fillmore ave., Buffalo, N. Y.
Burge Machine Works, 230 N. Jefferson St., Chicago.
Burger & Baumgard, who. hdwe., 88 White, New York.
Burger & Gohlke, cornices, 204 15th, Brooklyn, N. Y.
Burger Boat Co., motor boat, launch & yacht bldrs., Manitowoc, Wis.
Burger, H. B., Jr., ship bldrs., Manitowoc, Wis.
Burger Iron Co., S. Main & Cole Sts., Akron, O.
Burgess & Co., East Liverpool, O.
Burgess & Long, chemical engrs., Columbus Savings & Trust Bldg., Columbus, Ohio.
Burgess Battery Co., Madison, Wis.
Burgess Bros. Co., Inc., The, Dwight & Delavan Sts., Brooklyn, N. Y.
Burgess, C. F., Laboratories, chem. engineers & elec. lamp flashlights, Madison, Wis.
Burgess, C. H., stone producers, Euclid Quarries, Cleveland, Ohio.
Burgess Co., Inc., iron sheet & wire, 233 Broadway, New York.
Burgess, Fobes & Co., white lead & paint mfrs., 106 Commercial, Portland, Me.
Burgess-Granden Co., electric & gas light fixtures, Omaha, Neb.
Burgess, Jas., cornices, 254 Prairie ave., Providence, R. I.
Burgess, M. W. & J. G., flour mills, Reader, W. Va.

BURGESS-NORTON MFG. CO., Geneva, Ill.
Pres.—C. M. Burgess.
Sec.—R. E. Espy.
Ass't Treas.—F. E. Burgess.
Distributors:
ILL.—Chicago—B. F. Gump Co., 431 S. Clinton St. (Corn Crushers), Wabash 0965.
Chicago—Sprague Canning Machy. Co., 500 N. Dearborn St. (Corn Crushers), Dearborn 1507.
MD.—Baltimore—A. K. Robbins Co. (Corn Crushers).
O.—Springfield—Bauer Bros. Mfg. Co. (Corn Crushers).

Burgess, W. Starling, Co. (Ltd.), naval architects, Marblehead, Mass.
Burgett, L. A., & Co., contractors, Lorain, Ohio.
Burgheim & Co., Hugo, Gerke Bldg., Cincinnati, O.
Burgin & Co., Inc., 487 Broadway, New York.
Burgin Bros., awnings, 96 Adams, Springfield, Mass.
Burgin Lumber Co., Inc., Cussetta, Ga.
Burglar Proof Lock & Hardware Corp., 155 Leonard St., New York.
Burglary Protection Co., alarms, 647 Santa Fe ave., Los Angeles, Cal.
Burgmaster, Daniel, heating contractor, 70 Del. ave., Buffalo, N. Y.
Burgoyne & Sons, Sidney J., 1209 Arch St., Philadelphia, Pa.
Burgy, F. F., machsts. & fndrs., Edgerton, Wis.
Burham Safety Razor Co., 388 Hudson, New York.
Burhans-Eberman Co., The, 2191 W. 110th St., Cleveland, Ohio.
Burhaus & Black, Inc., 136 N. Salina St., Syracuse, N.Y.
Burhorn Co., Edwin, 25 W. Broadway, New York.
Burk & Co., Inc., Wm. B., 6th and Arch Sts., Philadelphia, Pa.
Burk Bros., leather, 925 N. 3d, Philadelphia, Pa.
Burk Construction Co., New Castle, Ind.
Burk, Louis, meat packers, Girard & 3d, Philadelphia, Pa.
Burkart Mfg. Co., F., 4900 N. 2nd St., St. Louis, Mo.
Burke & James, Inc., 525 S. Wabash Ave., Chicago.
Burke, Andrus, Sand Co., Fort Smith, Ark.
Burke, Augustus, Roofing Co., roofing felts, 2621 N. Halsted, Chicago, Ill.

Burke Bros., granite, Barre, Vt.
Burke Construction Co., Fort Smith, Ark.
Burke County Oil & Fertilizer Co., Waynesboro, Ga.
Burke Garden Mills, flour, Burke Garden, Va.
Burke Golf Co., Newark, Ohio.
Burke, J. J., & Co., contractors, Kearns Bldg., Salt Lake City, Utah.
Burke, John F., whole. lbr., 29 W. 42d, New York.
Burke, Jos. F., Co., contrs., Plainfield, N. J.

BURKE ELECTRIC CO., Erie, Pa.

Burke Engineering Co., 525 Industrial Tr. Bldg., Providence, R. I.
Burke Furnace Co., 320 E. North Water St., Chicago.
Burke Machine Tool Co., Conneaut, O.
Burke Mfg. Co., razor stroppers, Dayton, Ohio.
Burke, P. F., 1158 Adams, Dorchester, Boston, Mass.
Burke, P. J., Monumental Works, Washington C. H., Ohio.
Burke Shingle Co., Anacortes, Wash.
Burke, Smith & Nelson, contractors, Muskegon, Mich.
Burke, T. C., Macon, Ga.
Burke, Wm. B., Steel Co., 3 Sherer, Rochester, N. Y.
Burkett Lightning Rod Co., Fremont, O.
Burkett Sheet Metal Wks., Hattiesburg, Miss.
Burkettsville Canning Co., Burkettsville, Ohio.
Burkeville Lbr. Co., Inc., Burkeville, Va.
Burkhard, Thos., stills, 494 Flushing ave., Brooklyn, N. Y.
Burkhardt, E. F., elec. contr., Palo Alto, Cal.
Burkhardt Furn. Co., Dept. H, Miamisburg, Ohio.
Burkhardt, G., Mfg. Co., cornices, 2123 N. Clark, Chicago, Ill.
Burkhardt, Hy., Packing Co., meat packers, Dayton, Ohio.
Burkhardt, John, 85 Nassau St., New York.
Burkhardt Packing & Provn. Co., 46th & Washington, Denver, Colo.
Burkhardt, W. A., flour mills, Vinegrove, Ky.
Burkhartsmeier, Daniel, Cooperage Co., 7254 S. Chicago ave., Chicago, Ill.
Burkholder, I. C., & Son, canned goods, Buchanan, Va.
Burkholder Lumber Co., 917 Marquette ave., Minneapolis, Minn.
Burkholder Lumber Co., S., Homer, La.
Burkholder, Sam'l, Lbr. Co., Crawfordsville, Ind.
Burkley Envelope & Printing Co., Omaha, Neb.
Burkley, Geo. F., canned goods, Belcamp, Md.
Burkoe Tire & Rubber Co., 2100 Kienlen Ave., St. Louis, Mo.
Burks, P. I., & Co., pianos, Louisville, Ky.
Burleigh, R. & Sons, wood handles, Dermott, Ark.
Burleson, J. E., Mica Co., Spruce Pine, N. C.
Burlew Hardware Co., Charleston, W. Va.
Burley & Winter Pottery Co., Crooksville, O.
Burley Brick & Sand Co., Burley, Idaho.
Burley, Geo. A., Co., contrs., Smith & Kearsley, Flint, Mich.
Burley Heater Co., Tyrone, Pa.
Burley Welding Wks., machsts., 20 Kosciusko, Brooklyn, N. Y.
Burlingame & Darby's Co., masons' & bldrs.' matls., mill & facty. supplies. & wholesale hdwe., North Adams, Mass.
Burlingame Co., A., 149 Commercial St., Worcester, Mass.
Burlingame Mfg. Co., clothes washer, Syracuse, N. Y.
Burlingame, S. F., kerosene & gasoline engine mfrs., Worcester, Mass.
Burlingame, Walter E., assayers, 1915 Lawrence, Denver, Colo.
Burlington Basket Co., Burlington, Ia.
Burlington Blanket Co., Burlington, Wis.
Burlington Brass Works, Witmore Ave., Burlington, Wis.
Burlington Brick & Tile Co., Burlington, Wis.
Burlington Buggy Co., Burlington, Ia.
Burlington Coffin Co., Burlington, N. C.
Burlington Construction Co., Burlington, Ia.
Burlington County Farmers' Exchange, fertilizer mfrs., Mt. Holly, N. J.
Burlington Flouring Co., Burlington, Vt.
Burlington Granite Co., Burlington, Vt.
Burlington Grocery Co., masons' & bldrs.' matls., Burlington, Vt.
Burlington Iron Store Co., Burlington, Ia.
Burlington Lumber Co., Burlington, Ia.
Burlington Overall Mfg. Co., 900 Washington, Kansas City, Mo.
Burlington Rendering Co., Burlington, Vt.
Burlington Soap Co., Burlington, Ia.
Burlington Steel Co., Ltd., Hamilton, Ont., Canada.
Burlington Supply Co., fertilizer mfrs., Burlington, N. J.
Burlington Venetian Blind Co., Burlington, Vt.
Burlington Vinegar & Pickle Wks., Burlington, Ia.
Burlington Watch Co., 19th & Marshall blvd., Chicago.
Burlington Willow Ware Shops, baskets, Burlington, Ia.
Burmite Roofing Co., Argo, Ill.
Burns Co., contractors, 480 Lndly, Bridgeport, Conn.
Burn-Boston Battery & Mfg. Wks., 80 Boylston St., Boston, Mass.
Burnap George, landscape architect, 808 17th, N. W., Washington, D. C.
Burnet Co., The, 69 South St., New York
Burnett & Klapper Furn. Co., Dept. H, Atlanta, Ga.
Burnett & Son, sashes, doors & blinds, Sacramento, Cal.
Burnett Bros., granite producers, Milford, N. H.
Burnett Co., R. L., San Antonio, Texas.
Burnett Canning Co., Burnett, Ind.
Burnett Engineering & Constr. Co., 525 W. 142nd, New York.
Burnett Foundry & Machine Works (Ltd.), Petoskey, Mich.
Burnett, Geo. B., & Son, palm leaf hats, 36 W. 4th, New York.
Burnett Iron Works, Fresno, Calif.
Burnett Lasch Mfg. Co. (see Duro Pump & Mfg. Co., successors).
Burnett-Larsh Mfg. Co., (Now Duro Pump & Mfg. Co.), Dayton, O.
Burnett Mfg. Co., elevators, etc., 719 E. 1st, Los Angeles, Cal.
Burnett, Rollin P., contractor, Society for Savings Bldg., Cleveland, Ohio.
Burney Bros., mill & facty. supplies, Little Falls, N. Y.
Burnham & Davis Lbr. Co., Lowell, Mass.
Burnham & Morrill Co., canned goods, Portland, Me.
Burnham, Asa C., paper & pulp mills, Camden, N. Y.
Burnham Boiler Corp., Irvington on Hudson, N. Y.
Burnham Bros., marine R'ways & dry docks, Gloucester, Mass.
Burnham Bros. Brick Co., 68 Wisconsin, Milwaukee, Wis.
Burnham, E. S., Packing Co., canned goods, 61 Gansevoort, New York.
Burnham, Gilbert H., machsts., Newport, R. I.
Burnham, L. A., & Co., fish lines, Gloucester, Mass.
Burnham Mfg. Co., children's vehicles & hay racks, Charles City, Ia.
Burnham Mfg. Co., The, Woods Cross, Utah.
Burnham Phonograph Corp., 1929 S. Los Angeles, Los Angeles, Cal.

BURNHAM, RUFUS B., adv. agcy., 110 E. 42nd St., New York.

Burnham-Standeford Co., sashes, doors & blinds, Oakland, Cal.
Burnitol Mfg. Co., paper cups, cuspidors, etc., Orient ave., Everett Station, Boston, Mass.
Burnley Battery & Mfg. Co., The, North East, Pa.
Burnot Mfg. Co., glue, 64 Gold, New York.
Burnrite Coal Briquette Co., The, 543 New Jersey Railroad Ave., Newark, N. J.
Burns & Bassick Co. (Division of The Bassick Co.), furniture trimmings & automobile h'dwe mfrs., 38 Austin, Bridgeport, Conn.
Burns & Campbell, granite producers, Petersburg, Va.
Burns & Russell Co., American Bldg., Baltimore, Md.
Burns Bros. & Haley, contractors, Watertown, N. Y.
Burns Bros., contrs.' & masons' & bldrs.' matls., New Castle, Pa.
Burns Bros., mill & facty supps., Syracuse, N. Y.
Burns-Croft Co., 2225-2239 Herndon St., Chicago.
Burns, Fecht & Bicknell Co., leather, 20 East, Boston, Mass.
Burns Fire Brick Co., Williamsport, Pa.
Burns, Fleming & Co., heating contrs., 815 Forbes, Pittsburgh, Pa.
Burns, H. J., cornices, dust correctors, etc., 2124 Atlantic, Spokane, Wash.
Burns-Hancock Fire Brick & Clay Co., Montezuma, Ind.
Burns, Harry, Lbr., Shippensburg, Pa.
Burns Hydro Carbon Burner Co., Fort Plain, N. Y.
Burns, Jabez, & Sons, machsts., 11th ave. & 43rd St., New York.
Burns, Jas. F., 713 Cherry St., Philadelphia, Pa.
Burns, John, & Son, tin cans, 19 Fulton, New York.
Burns, John, Granite Co., 7 Ducan, Providence, R. I.
Burns Lumber Co. (Wholesale & Retail Dealers), 700 W. Chicago Ave., Chicago.
Burns Lbr. Co., Duluth, Minn.
Burns, M. A., Mfg. Co., lbr. & shingles, Eureka, Cal.
Burns Mfg. Co., 46 W. Broadway, New York.
Burns, Robt., Lbr. Co., Mitchell, S. D.
Burns Saddlery Co., P., 713 Lucas, St. Louis, Mo.
Burns, Sam'l T., lumber mfr., Alton, N. Y.
Burns Supply Co., E. Reed, 40-42 Withers St., Brooklyn, N. Y.
Burns Tent & Awning Co., Van Dyke & Traverse Ave., Detroit, Mich.
Burns, W. F., Co., savings banks, 5123 S. Wood St., Chicago, Ill.
Burns, W. J., Co., contrs., Syracuse, N. Y.
Burnside Steel Co., 1300 E. 92d St., Chicago.
Burnside Roller Mills, flour, Burnside, Ky.
Burnsville Mercantile Co., lbr., Burnsville, Miss.
Burpee & Letson, canning machy., Bellingham, Wash.
Burr & Co., David (Soap), 170 N. Halsted St., Chicago.
Burr & Houston Co., 84 Cayler St., Brooklyn, N. Y.
Burr & Son, John T., 429 Kent Ave., Brooklyn, N. Y.
Burr Company, The, Champaign, Ill.
Burr, Henry E., landscape architect, Orange, N. J.
Burr Index Co., The, 356 Asylum St., Hartford, Conn.
Burr Mfg. Co., 2108 Superior Ave., N. W., Cleveland, O
Burr Lumber Co., Inc., Gloversville, N. Y.
Burr Mfg. Co. (see Strong, H. M., Steel Products Co., successors).
Burr Oak Belting Co., The, 1103 York St., Cincinnati, O.
Burr, P. L., 549 Market, San Francisco, Cal.
Burr-Vack Co., 511 S. Wabash Ave., Chicago.
Burr's Damascus Tool Works, 528 E. Fort, Detroit, Mich.
Burrage, H. E., & Co., cornices & skylights, Leominster, Mass.
Burrage, Robt. R., glue mfrs., 15 Vandewtr., New York.
Burrell & Company., D. H., Little Falls, N. Y.
Burrell Belting Co., 413 S. Hermitage Ave., Chicago.
Burrell Engineering & Construction Co., 513 W. Jackson Blvd., Chicago.
Burrell Mfg. Co., cement machy., Bradley, Ill.
Burridge, B. W., electro plating, 461 Bush, San Francisco, Cal.
Burriss & Sons, John T., Anderson, S. C.
Burritt & Bro., O. W., Weedsport, N. Y.
Burritt, A. W., Bridgeport, Conn.
Burrough & Sons, Geo., 424 E. Water St., Milwaukee, Wis. (See Loops, Harry C., Successors.)
Burroughs & Taylor Co., woolen blankets, Cave, Tenn.
Burroughs Adding Machine Co., 356 E. Congress St., Detroit, Mich.
Burroughs Company, The, 246 N. 10th St., Newark, N. J.
Burroughs, J. P., & Son, flour mills, Flint, Mich.
Burroughs, R. A., & Co., coppersmiths, Norfolk, Va.
Burroughs-Ross-Colville Co., neck yokes, McMinnville, Tenn.
Burroughs Tool Co., Inc., 87 Warren St., New York.
Burroughs, Wellcome & Co., 18-20 E. 41st St., New York.
Burroughs-White Trunk Co., Los Angeles, Cal.
Burrowes Co., The E. T., 68 Fore St., Portland, Me.
Burrows, F. A., Mfg. Co., traps, valves, etc., York, Pa.
Burrows Mfg. Co., 235 W. Market St., York, Pa.
Burrows Mfg. Co., see Burrows, F. A., Mfg. Co. (successor).
Burrows Metal Mfg. Co., 572 Greenwich, New York.
Burrows, R. W., packing pads, Petaluma, Cal.
Burrus Mill & Elevator Co., flour, Ft. Worth, Tex.
Burrus, O. M., & Bro., stone producers, Burlington, Ia.
Burruss Engng. Co., machy., Atlanta, Ga.
Burry Railway Supply Co., 122 S. Michigan Ave., Chicago.
Burson Knitting Co., Rockford, Ill.
Burson Supply Co., 242 First Ave., Pittsburgh, Pa.
Burstein, Chas., & Bros., leather, 11 W. 19th, New York.
Burstein, Meyer, cotton waste, Neenah, Wis.
Burt & Hicks, lbr., Biscoe, N. C.
Burt & Mitchell Co., dry docks, etc., Ft. Morris, Jersey City, N. J.

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BURT MANUFACTURING CO., THE, 40 Main St., Akron, O.

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Burt Specialty Co., now the Burt Mfg. Co., Akron, O.
Burt, W. A., & Son, flour, Simsboro, La.
Burt Wool & Leather Co., Ogdensburg, N. Y.
Burtchaell, John W., electric & gas light fixtures, 434 Larkin, San Francisco, Cal.
Burtis, D. H., cornices & skylights, Phoenix, Ariz.
Burton & Burton, contractors, Trenton, N. J.
Burton & Co., wholesale hdwe., Oxford, Ala.
Burton & Fenton, Mt. Vernon, N. Y.
Burton & Johnson Co., mchsts. & fdrs., 2301 Center ave., Cleveland, Ohio.
Burton, A. J., & Son, band saws, Quincy, Mass.
Burton, Alvah F., granite Thomaston, Me.
Burton-Beebe Lbr. Co., Henry Bldg., Seattle, Wash.
Burton Bros. Electric Co., Inc., Norfolk, Va.
Burton Co., A. & E., 73 Pearl, Boston, Mass.
Burton Co., W. J., 159 W. Congress St., Detroit, Mich.
Burton Co., Oliver M., 2074 S. Racine Ave., Chicago.
Burton, D. F., hosiery—elastic, Pythian Temple, Cleveland, O.
Burton-Dixie Corporation, 2024 S. Racine Ave., Chicago.
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Burton Engng. & Mach. Co., see Mid-West Locomotive Works (successors).
Burton Engineering & Mach'y Co., Spring Grove and Alabama Aves., Cincinnati, O.
Burton Hdwe. & Mfg. Co., cornices & skylights, 106 W. Vine, Knoxville, Tenn.
Burton, J. H., contrs. & paints, 344 1st, Portland, Ore.
Burton, J. H., & Co., lbr., 52 Vanderbilt, New York.
Burton Lumber Co., Lewisville, Ark.
Burton Range Co., The, 7th & Sycamore, Cincinnati, O.
Burton, Reuben, cornice, Richmond, Va.
Burton-Rogers Co., 26 Brighton Ave., Boston, Mass.
Burton, T., & Son, canned goods, Millsboro, Del.
Burton Son, A. G., 218 N. Jefferson St., Chicago.
Burton-Swartz Cypress Co. of Florida, Perry, Fla.
Burton-Townsend Co., molding sand & paving blocks, Ashtabula, Ohio.
Burton-Townsend Co., Zanesville, O.
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Burtt Mfg. Co., machsts., Kalamazoo, Mich.
Burwak Elevator Company, 216 Fulton St., New York.

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Busch Pipe & Supply Co., plbrs.' & mill supplies, 1005 Mateo, Los Angeles, Cal.
Busch, Russell & Gelts Co., stone, Muncie, Ind.
Busch-Sulzer Bros-Diesel Engine Co., 3300 S. 2nd, St. Louis, Mo.
Buschle Sons, Mfg. Co., pipe wrenches, 407 Poplar, Cincinnati, Ohio.
Buschman & Sons, Inc., August, College Ave. & 11th St., Indianapolis, Ind.
Buschman Corp., N. H., 11 Broadway, New York.
Buschmann, August, & Sons, hdwe. & plbrs' supplies, Buschmann Bldg., Indianapolis, Ind.
Buschmann Bros., steel merchants, 621 Broadway, New York.
Buschow Lumber Co., 516 R. A. Long Bldg., Kansas City, Mo.
Buschow Lbr. Co., Page, Okla.
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Bush & Co., W. G., 174 3rd Ave., Nashville, Tenn.
Bush & Gerts Piano Co., 1550 Dayton, Chicgao, Ill.
Bush & Handwerk, cornices, Joliet, Ill.
Bush & Lane Piano Co., Holland, Mich.
Bush, Beach & Gent, chemicals, 80 Maiden La., New York.
Bush Bros., Roversford, Pa.
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Bush, Chas. S., Co., lubricating oils & greases, 224 Weybosset, Providence, R. I.
Bush, E. M., Hdwe., Co., 503 Main, Evansville, Ind.
Bush Electric Co., Cleveland, O.
Bush Elect. Corp., X-ray apparatus, 334 Sutter, San Francisco, Cal.
Bush Fdry. & Metal Wheel Co., Quincy, Ill.
Bush Hardware Co., R. W., The, Gouverneur, N. Y.
Bush, J. D. & Co., lbr. mfrs., Wilmington, Del.
Bush, Jas. S., store & bar fixtures, 239 Broadway, New York.
Bush Mfg. Co., airplane radiators, 100 Wellington, Hartford, Conn.
Bush, Matt & Bros., contrs., Little Rock, Ark.

Bush, Roberts & Schaefer Company, 1 Madison Ave., New York and Chicago.
Bush, W. J., & Co., essential oils & fruit flavors, etc., 370 7th ave., New York.
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Bushey, G. M., & Son, lime mfrs., Cavetown, Md.
Bushnell & Co., Jno. S., 146 Liberty St., New York.
Bushnell, Carl, contr., 133 W. Washington, Chicago, Ill.
Bushnell, Clarence E., plumbers' & mill & facty. supplies, Buffalo, N. Y.

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Butchers' Advocate Co., trade publication, 1328 Broadway, New York.
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Butler & Son Co., Philip H., 197 B St., Boston, Mass.

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Butler Automotive Steel Co., automobile axle shafts & telephone ringing app., Easton, Pa.
Butler Basket Co., Butler, Ind.
Butler Bolt & Rivet Co., Butler, Pa.
Butler Bottle Co., Butler, Ohio.
Butler Brick & Tile Co., Butler, Ind.
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Butler Co., Butler, Ind.
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Butler Cotton Oil Co., cottonseed meal, Albertville, Ala.
Butler-Dietzler Hdw. Co., cornices, Kaukauna, Wis.
Butler Doll Stand Co., Oak Park, Ill.
Butler, E. F., & Co., 80 Pearl, Boston, Mass.
Butler, Edmund F., & Co., plumbers' supplies—jobbers, 80 Pearl, Boston, Mass.
Butler Edwards Elec. Co., see Butler Automotive Steel Co., (successors).
Butler Engine & Fdry. Co., mechsts. & fdrs., Butler, Pa.
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Butler, J. G., Bldrs.' Supply Co., 24 Congress W. Savannah, Ga.
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Butte Electrical Equipment Co., 534 Folsome St., San Francisco, Cal.
Butte Engineering & Elec. Co., successor Butte Electric & Manufacturing Co., 956 Folsom, San Francisco, Cal.
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Butte Sewer Pipe & Tile Co., Butte, Mont.
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Butter, Gustav A., sash, door & blind mfrs., 603 Mitchell, Milwaukee, Wis.
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Butterfield & Co., Div. of Union Twist Drill Co., Derby Line, Vt.
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Butters Lbr. Co., Boardman, N. C.
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Butterworth & Sons, H. W., 2417 E. York St., Philadelphia, Pa.
Butterworth-Judson Corp., 30 Church St., New York.
Butterworth Supply Co., 4200 Kensington Ave., Philadelphia, Pa.
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Buttress Mfg. Co., wall boards, 7110 S. Alameda, Los Angeles, Cal.
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Buttrill Guano Co., Jackson, Ga.
Butts & Ordway Co., whol. hdwe., 33 Purchase, Boston, Mass.
Butts Lbr. Co., Phoenix, Ala.
Butz & Clader, contractors, Arney Bldg., Allentown, Pa.
Butz & Co., Frederick, 1016 Maple St., Allentown, Pa.
Butz, Edw. M., lumber, Easton, Pa.
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Buxton Lbr. Co., Buxton, Ore.
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Buzz Engineering Co., The, Louisville, Ky.
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By-Products Coke Corp., 332 S. Michigan Ave., Chicago.
Byck Co., M. S. & D. A., Savannah, Ga.
Byerly & Sons, asphalt, 2489 W. 4th, Cleveland, Ohio.
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Byers & Hayes, Inc., 68 Barclay St., New York.
Byers & Smith, 103 Haverhill, Boston, Mass.

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ILL.—Chicago—1532 Conway Bldg.
OHIO—Cincinnati—Mercantile Library Bldg.
Cleveland—36 Euclid Arcade.
TEX.—Houston—1614 Carter Bldg.
PA.—Philadelphia—1711 Morris Bldg.

Byers Bros., Construction Co., Kalamazoo, Mich.
Byers Company, A. M., 235 Water St., Pittsburgh, Pa.
Byers, James N., & Son, Inc., contrs., 700 Main, Buffalo, N. Y.

BYERS MACHINE CO., THE, 242 Sycamore St., Ravenna, O.
Sec., Treas. & Gen. Mgr.—H. C. Beckwith.
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Byfield Woolen Co., Byfield, Mass.
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Byrd, D. M., flour mills, Franklin, W. Va.
Byrd, J. L., & Co. turpentine, Milltown, Ga.
Byrd, John U., pig iron, 814 Edwards, Cincinnati, O.
Byrd Lumber Co., Marion, Ind.
Byrd Milling Co., flour, Cane River, N. C.
Byrd, P. A., ties Little Rock, Ark.
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Byrne & Kincanon, canned goods, Lowry, Va.
Byrne, A. W., Sons., Hartford, Conn.
Byrne Bros., cornices & skylights, Santa Cruz, Cal.
Byrne, C. E., Piano Co., 136 E. 41st, New York.
Byrne, J. M., Lbr. Co., sash, door & blind mfrs., 900 E. 18th St., Kansas City, Mo.
Byrne, John B., Inc., contractor, Cambridge, Mass.
Byrne, Jos. T., common brick, 29th & Clearfield, Phila., Pa.
Byrne, Jno., cornices, Pittston, Pa.
Byrne-Kingston & Co., Kokomo, Ind.
Byrne, Thos. F., sweaters, etc., Phoenixville, Pa.
Byrne-Turner Co., wood pipe, Bellingham, Wash.
Byrnes Belting Co., 226 Plum St., St. Louis, Mo.
Byrnes Belting Co., 1426 Grand, Kansas City, Mo.
Byrnes, Michael, Bldg Co., Elizabeth, N. J.
Byron & Hall, 116 Broad St., New York.
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Byron, Forman & Riggs, Inc., contrs., Cohoes, N. Y.
Byron Jackson Iron Works, power pumps & pumping engines, Sharon bldg., San Francisco, Cal.
Byron Typewriter Cabinet Co., Inc., 32d & Woodland St., Louisville, Ky.
Byrum Hardware Co., Ensley, Ala.
Byrum's, R. L., Sons Co., contrs., 609 Wheeling Bank & Trust bldg., Wheeling, W. Va.
Bywater & Groo, cornice & skylights, Salt Lake City, Utah.
Byxbee & Clark Co., lumber, Balboa Bldg., San Francisco, Cal.
C. & B. Clay Co., fire brick, Canton, Ohio.
C. & D. Auto Supply Co., The, 907 Main St., Cincinnati, O.
C. & M. Envelope Co., 535 Pearl, New York.
C & M Fence & Galvanizing Co., The, 707 Canal Rd., Cleveland, O.
C. & O. Lbr. Co., Brookings, Ore.
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C. C. Collins Lbr. Co., Rhinelander, Wis.
C. G. Spring Co., The, Kalamazoo, Mich.

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N. D.—Fargo—V. H. Leeby, Fargo Forum Bldg.
N. Y.—Buffalo—Geo. W. Whitehead, 502 Bramson Bldg.
New York—R. E. Brooks Co., 50 Church.
Koering Co., Foreign Dept., 50 Church.
Syracuse—Brewster & Williams, 613 Dillaye Bldg.
ORE.—Portland—L. A. Snow Co., 415 Ash St.
S. D.—Sioux Falls—Dakota Iron Store.
PA.—Philadelphia—Lee T. Ward, 617 Filbert St.
Pittsburgh—Geo. W. Ziegler Machy. Co., 528 First Ave.
TENN.—Memphis—W. A. Wilson, 924 Exch. Bldg.
Nashville—Wilson Weesner & Co., 117 2nd Ave.
TEX.—Dallas—G. W. Smith Co., Central Bk. Bldg.
El Paso—Steel Products Corp.
Houston—F. W. Gartner & Co., 3315 McKinney Av.
San Antonio—General Supply Co., Inc., 227 S. Medina St.
UTAH—Salt Lake City—F. C. Stannard Machinery Co., Dooly Bldg.
VA.—Richmond—Earnest Bros., Real Estate Exchange Bldg.
W. VA.—Huntingdon—Miller Supply Co.
WASH.—Seattle—L. A. Snow Co., 1032-6 South.
WIS.—Milwaukee—Geo. H. Miller, 622 M. & M. Bank Bldg.

C-H TIE TONG CO., THE, 212 W. 6th St., Topeka, Kans.
Owner—M. A. Strain.

C. J. Mfg. Co., 3455 N. 5th St., Philadelphia, Pa.
C. M. B. Wrench Co., bench legs, Garfield, N. J.
C. P. Chemical & Drug Co., Inc., chemicals, 114-118 Liberty, New York.
C. W. & P. Constr. Co., Second National Bldg., Akron, Ohio.
Caarson & Rowell & Co., babbit metal, Appleton, Wis.
Cabaret & Co., Paul E., 412-414 E. 125th St., New York.
Cabarries Cotton Mills, tire fabrics, Kannapolis, N. C.
Cabarrus Cotton Mills, Concord, N. C.
Cabble, Wm., Excelsior Wire Mfg. Co., 88 Ainslie, Brooklyn, N. Y.
Cabell-Irby Co., Jackson, Miss.
Cabell Petroleum Co., Arcade Bldg., St. Louis, Mo.
Cabin Creek Consolidated Coal Co., Bayford, W. Va.
Cabin Creek Lbr. Co., Easton, Wash.
Cabinet Makers' Union, furniture, Dept. H., Union Market & Pine, Indianapolisj, Ind.
Cabinet Mfg. Co., bath cabinets, Quincy, Ill.
Cable & Sons, pianos, 550 W. 38th, New York.
Cable Co., 501 S. Wabash Ave., Chicago.
Cable Excavator Co., The, 2nd & Railroad Ave., Fernwood, Pa.
Cable Excelsior Wire Mfg. Co., Wm. B., 88 Ainslie St., Brooklyn, N. Y.
Cable Flax Mills, cords, thread, twine, etc., Schaghticoke, N. Y.
Cable, Howard E., elec. contr., Darien, Conn.
Cable, Hobart M., Co., pianos, La Porte, Ind.
Cable-Nelson Piano Co., 209 S. State St., Chicago.
Cabot Co. (Ltd.), Godfrey L., 940 Old South Bldg., Boston, Mass.
Cabot, Edwin S. (Est. of), gold leaf, 103 Arch, Boston, Mass.

CABOT, INC., SAMUEL, 141 Milk, Boston, Mass.
Branch Offices:
Chicago, Ill.—24 W. Kinzie.
Los Angeles, Cal.—Hibernian Bldg.
New York, N. Y.—342 Madison Ave.
San Francisco, Cal.—525 Market.
Seattle, Wash.—332 Pioneer Bldg.

Cabot Manufacturing Co. (Shirtings), 77 Franklin St., Boston, Mass.
Cache Knitting Works, sweaters, etc., Logan, Utah.
Caddo Oil & Refining Co. of Louisiana, Shreveport, La.
Caddo-Rapides Lumber Co., Alexandria, La.
Caddo River Lbr. Co., 1210 R. A. Long Bldg., Kansas City, Mo.
Caden Stone Co., 411 E. Ohio St., Evansville, Ind.
Cadillac Auto Truck Co., Cadillac, Mich.
Cadillac Can Co., 711 Carr, Cincinnati, Ohio.
Cadillac Casket Co., 237 Wabash, Detroit, Mich.
Cadillac Chemical Co., Cadillac, Mich.
Cadillac Forged Products Co., 2962 Hart St., Detroit, Mich.
Cadillac Iron Works, Cadillac, Mich.
Cadillac Lumber Co., sash, door & blind, Cadillac, Mich.
Cadillac Machy. Co., dlrs., 452 Lafayette E, Detroit, Mich.
Cadillac Motor Car Co., 2860 Clark St., Detroit, Mich.
Cadillac Sand & Gravel Co., Nicholas Bldg., Toledo, O.
Cadillac Tool Co., 208 Jefferson Ave., Detroit, Mich.
Cadillac Turpentine Co., Cadillac, Mich.
Cadillac Veneer Co., Cadillac, Mich.
Cadle & Sons, C. W., 1224 Prospect Ave., Cleveland, O.

CADMAN MFG. CO., A. W., 2800 Smallman St., Pittsburgh, Pa.
Pres.—R. W. Cadman.
Sec. & Treas.—A. M. Cadman.

Cadwallader, Dougherty & Co., boot & shoe counters, 239 Race, Philadelphia, Pa.
Cadwallader-Gibson Co., lbs. & veneer, 599 Brannan, San Francisco, Cal.
Cadwallader, Thos., poultry markers, Salem, Ohio.
Cadwell, E. W., Hdwe. Co., whol., Newport News, Va.
Cadwell Fertilizer Works, Cadwell, Ga.
Cadwell-Vernon Co., tel. cabinet wk., Jamestown, N. Y.
Cady & Co., Geo. S., Moravia, N. Y.
Cady Co., C. N., Canastota, N. Y.
Cady, H. F., Lumber Co., Omaha, Neb.
Cady Lumber Co., Inc., W. M., McNary, La.
Cady Mach. Co., Cleveland, Ohio.
Cady Mfg. Co., wood handles & turnings, Auburn, N. Y.
Cady, Paul C., 133 Greenwich St., New York.
Caflisch Lbr. Co., Albright, W. Va.
Cahaba River Lbr. Co., Brent, Ala.

Cahall Motor Supply Co., Broad & Parrish Sts., Philadelphia, Pa.
Cahil, Edward, 440-2 W. 42nd St., New York.
Cahill & Co., carriages, 2nd & French, Wilmington, Del.
Cahill Bros., contrs., 110 Sutter, San Francisco, Cal.
Cahill Iron Works, 14th & Chestnut St., Chattanooga, Tenn.
Cahill, Jos. P., corn brooms, 820 W. 51st pl., Chicago.
CAHILL, MICHAEL F., 710 E. 2nd, Boston, Mass.
Cahill-Swift Mfg. Co., 1112 Market St., St. Louis, Mo.
Cahill, W. S., Co., machinists, Key Highway & Webster, Baltimore, Md.
Cahn-Forster Electric Co., 201-15th St., Denver, Colo.
Cahoon & Hudgins, contractors, Norfolk, Va.
Callie Bros Co., vending machines & machsts. & fndrs., 2d & Amsterdam Ave., Detroit, Mich.
Callie Perfection Motor Co., 1300 Second Ave., Detroit, Mich.
Cain & O'Berry Boiler Works, Orlando, Fla.
Cain Construction Co., Gary, Ind.
Cain, H., cornices, Connersville, Ind.
Cain-Hurley Lumber Company, 1406-8 Chemical Bldg., St. Louis, Mo.
Cain Mach. Co., East Liverpool, Ohio.
Cain, Milo, cornices, Kokomo, Ind.
Cain, W. H., Gas Radiator Co., 5217 Moneta Ave., Los Angeles, Cal.
Caine, John J., North American Bldg., Philadelphia, Pa.
Caird Engineering Wks., Helena, Mont.
Caire Justinian Co., 573 Market St., San Francisco, Cal.
Cairns & Brother, 186 Lafayette St., New York.
Cairo Milling Co., flour, Cairo, W. Va.
Cairo Thread Works, 105 Wooster, New York.
Cairo Wood Products Co., Lumber Exchange Bldg., Chicago.
Cake, Chas. W., lbr., Norfolk, Va.
Calander Jno., 629 Jackson St., St. Paul Minn.
Calcasieu Long Leaf Lumber Co., Lake Charles, La.
Calcasieu Lumber Co., Austin, Tex.
Calcite Quarry Co., Meyerstown, Pa.
Calcite Quarry Co., stone producers, Annville, Pa.
Calcium Light Advtg. Co., advtg. spec., Newburgh, N. Y.
Calco Chemical Co., Bound Brook, N. J.
Calcos Steel & Iron Co., Crozer Pl., Philadelphia, Pa.
Calculagraph Co., 30 Church St., New York.
Calculator Corp., The, Grand Rapids, Mich.
Calculator Equipment Corp., 1315 Woolworth Bldg., New York.
Calcutt, N. W., Co., cooperage stock, Dyersburg, Tenn.
Caldabaugh Bros., cornices, 701 Marshall McMechen, Wheeling, W. Va.
Caldbeck Tool & Mfg. Co., 203 E. Walnut St., Des Moines, Iowa.
Calder, Geo. H., Lancaster, Pa.
Caldwell & Co., Inc., E. F., 36-40 W. 15th St., New York.
CALDWELL & CO., E. R., oil well pumping power, Bradford, Pa.
Caldwell & Drake Iron Works, Columbus, Ind.
Caldwell & Iseminger, Middletown, O.
Caldwell & Son, E. H., Corpus Christi, Texas.
CALDWELL & SON CO., H. W., 1700 S. Western Ave., Chicago.
Branch Offices:
N. Y.—New York—2676 Woolworth Bldg.
TEX.—Dallas—810 Main St.
Caldwell & Sons, Iseminger Co., contrs. & sash, door & blind mfrs., Middletown, Ohio.
Caldwell & Ward Brass Co., machsts. & fndrs., 103 Decker St., Syracuse, N. Y.
Caldwell, B. F., cornices & skylights, Pomona, Cal.
Caldwell Co., W. E., Brook & Brandeis Sts., Louisville, Ky.
Caldwell, Edw. F., & Co., elec. & gas light fixtures, 38 W. 15th, New York.
Caldwell Elec. Corp., Champaign, Ill.
Caldwell, E. R., & Son Brass Co., fndry., Syracuse, N. Y.
Caldwell, J. D., Co., machy. dlrs., 448 Glisan, Portland, Ore.
Caldwell Jerry Co., 1040 6th Ave., So., Seattle, Wash.
Caldwell, L. L., Co., air compressors, vulcanizers, etc., 2405 S. Main, Los Angeles, Cal.
Caldwell, Lawrence S., landscape architect, 45 Bromfield, Boston, Mass.
Caldwell Lbr. Co., Metcalf, Ga.
Caldwell Lumber Co., Oil City, Pa.
Caldwell Mfg Co., Rochester, N. Y.
Caldwell Mfg. Co., 2 Jones St., Rochester, N. Y.
Caldwell Milling Co., flour, Caldwell, Kan.
Caldwell Oil Mill Co., meal, Caldwell, Texas.
Caldwell, R. J., Co., Inc., tire fabrics, 13 Park Row, New York.
Caldwell, S. J., R. R. ties, Plain Dealing, La.
Caldwell-Watson Fdry. & Mach. Co., 1300 5th Ave., Birmingham, Ala.
CALEBAUGH SELF-LUBRICATING CARBON CO., INC., 1503 Columbia Ave., Philadelphia, Pa.
Pres.—Paul Reilly.
Sec. & Treas.—Albert Gentel.
Gen. Mgr.—J. G. Calebaugh.
Distributors:
Caledonia Bean Harvesting Wks., Caledonia, N. Y.
Caledonia Chemical Co., Caledonia, N. Y.
Caledonia Wagon & Iron Works, Caledonia, Minn.
Calhoun Putman Lumber Co., Inc., Carthage, Mo.
Calhoun Casting Co., Battle Creek, Mich.
Calhoun Company, F. A., 5 Milton Ave., Jersey City, N. J.
Calhoun Foundry Co., Anniston, Ala.
Calhoun Gas Co., gas retort carbons, Battle Creek, Mich.
Calhoun Mills, cotton sheetings, Calhoun Falls, S. C.
Calhoun Roller Mills, flour, Calhoun, Ga.
Calhoun Timber Co., Port St. Joe, Fla.
Califelt Insulation Mfg. Co., 1224 Santa Fe Ave., Los Angeles, Cal.
California & Hawaiian Sugar Refining Co., Matson Bldg., San Francisco, Cal.
California & Oregon Lumber Co., Brookings, Ore.
California Alkali Co., 58 Sutter, San Francisco, Cal.
California Artistic Metal & Wire Co., 349 7th St., San Francisco, Cal.
California Associated Raisin Co., Fresno, Cal.
California Auto Supply Co., Inc., visors, windshields, lights, etc., 632 Mateo, Los Angeles, Cal.
California Auto Top Co., 1019 Van Ness, San Francisco, Cal.
California Automatic Fire Sprinkler Co., 203 Commercial, Los Angeles, Cal.
California Bag & Paper Co., Emeryville, Cal.
California Barrel Co., 22nd & Illinois, San Francisco, Cal.
California Bellows Works, 416 Harriet St., San Francisco, Cal.
California Belting Co., 1459 Mission, San Francisco, Cal.
California Belting & Leather Co., 165 N. Los Angeles, Los Angeles, Cal.
California Binding Co., cloth, gummed tape, etc., 272 Sutter, San Francisco, Cal.
California Boiler Works, 526 Howard, San Francisco, Cal.
California Brass Mfg. Co., castings & compression cocks, 1414 N. Main, Los Angeles, Cal.
California Brick Co., 604 Mission St., San Francisco, Calif.
California Canneries Co., 600 Minnesota, San Francisco, Cal.
California Canning Machinery Co., 776 W. 10th, Riverside, Cal.
California Cap Co., 1st Savings Bank Bldg., Oakland, Cal.
California Carbon Paper Mfg. Co. (see Pacific Carbon & Rubber Co., successors).
California Casing Co., ice & refrig. machy., 853 Mission, San Francisco, Cal.
California Casket Co., 959 Mission, San Francisco, Cal.
California Cedar Products Co., pencil timber, wall boards, etc., Stockton, Cal.
California Central Creameries, casein & spraying compounds, 425 Battery, San Francisco, Cal.
California Chandelier Corp., 118½ E. 9th, Los Angeles, Cal.
California Charcoal Co., 311 California, San Francisco, Cal.
California Chemical Co., concrete waterproofing materials, Hagerstown, Md.
California Chemical Co., rodent exterminator, 694 4th, San Francisco, Cal.
California Citrus Products Co., 850 42nd Ave., Oakland, Cal.
California Clay Products Co., South Gate, Cal.
California Comb Co., I. W. Hellman Bldg., Los Angeles, Cal.
California Compressed Gas Co., 2311 E. 52nd, Los Angeles, Cal.
California Co-Operative Canneries, San Jose, Cal.
California Cornice Works, Inc., 1620 N. Spring St., Los Angeles, Cal.
California Corrugated Culvert Co., 409 Leroy, Los Angeles, Cal.
CALIFORNIA CORRUGATED CULVERT CO., THE, West Berkeley, Cal.
California Cotton Mills Co., 310 California St., Oakland, Cal.
California Cotton Oil Co., fertilizer, etc., 2301 E. 52nd, Los Angeles, Cal.
California Cut Glass Mfg. Co., Pasadena, Cal.
California Cyanide Co., Cudahy, Cal.
California Door Co., 43 Main St., San Francisco, Cal.
California Elec. Supply Co., 643 Mission, San Francisco, Calif.
California Envelope Co., 31 Minna, San Francisco, Cal.
California Equipment & Supply Co., contrs.' machy., mill supplies, 205 N. Los Angeles, Los Angeles, Cal.
California Exterminating Co., Inc., janitors' supplies, insecticides, disinfectants, polishes, etc., 373 W. 125th N. Y.
California Fertilizer Wks., 1332 Evans Ave., San Francisco, Cal.
California Filter Co., 465 California, San Francisco, Cal.
California Fire Extinguisher Co., 67 Main, San Francisco, Cal.
California Fire Proof Door Co., 1931 S. Los Angeles, Los Angeles, Cal.
California Fixture Co., 1112 S. Hope, Los Angeles, Cal.
California Flag Mfg. Co., 27 Main, San Francisco, Cal.
California Form & Fixture Co., 1618 San Pablo Ave., Oakland, Cal.
California Foundries, Inc., brass fndrs., Foot of 19th Ave., Oakland, Cal.
California Foundry & Mach. Co., California, Pa.
California-Fresno Oil Co., Fresno, Cal.
California Fruit Canners Assn., Oakland, Cal.
California Fruit Canners' Assn., 101 California, San Francisco, Cal.
California Gear Works, 2132 Folsom, San Francisco, Cal.
California Glass Co., Inc., 510 Commercial, Los Angeles, Cal.
California Glue Co., Fairfax & Rankin, San Francisco, Cal.
California Grademeter Co., 414 Insurance Exchange Bldg., San Francisco, Cal.
California Granite Co., Rocklin, Cal.
California Hawaiian Milling Co., feed, 330 Ritch, San Francisco, Cal.
California Hewwe Co., 500 E. 1st St., Los Angeles, Cal.
California Hot Water Grate Co., 228 E. Pico, Los Angeles, Cal.
California Hydraulic Engrg. & Supply Co., machy. dlrs., 540 Howard, San Francisco, Cal.
California Ink Co., Berkeley, Cal.
California Ink Co., 33 Clementina, San Francisco, Cal.
California Iron Works, Riverside, Cal.
California Iron Works, San Diego, Cal.
California Iron Yards Co., scrap iron & steel merchants, 34 Mission, San Francisco, Cal.
California Jewell Filter Co., H, Merchants Exchange Bldg., San Francisco, Cal.
California Lamp Mfg. Co., 1007 N. Main, Los Angeles, Cal.
California Leather Dressing Co., 1574 Market, San Francisco, Cal.
California Ledger Tray Co., 425 E. Washington, Los Angeles, Cal.
California Lumber Merchant, trade publications, Fay Bldg., Los Angeles, Cal.
California Machinery Co., 2d hand dealers, 67H Beale, San Francisco, Cal.
California Machinery Co., oil well supplies, 5200 Santa Fe Ave., Los Angeles, Cal.
California Machinery & Supply Co., 1813 E. 7th St., Los Angeles, Cal.
California Mach. Wks., California, Mo.
California Mfg. Co., 2243 S. Troy St., Chicago.
California Master Products Co., clay products, Alameda & Slawson Aves., Los Angeles, Cal.
California Metal Enameling Co., 1406 N. Spring St., Los Angeles, Cal.
California-Met. Mfg. Co. (see Westgate Metal Products Co., successor).
California Metal Products Co., camp stoves & luggage carriers, 333 1st, San Francisco, Cal.
California Mill Co., sashes, doors & blinds, 645 Bryant, San Francisco, Cal.
California Milling Corp., 55th & Alameda, Los Angeles, Cal.
California Mineral Products Co., clays, Kohl Bldg., San Francisco, Cal.
California Mission Furn. Co., Dept. H, Berkeley, Cal.
California Moulding Co., 1366 W. 58th, Los Angeles, Cal.
California Nat'l Supply Co. (Oil), 147 N. Los Angeles, Los Angeles, Cal.
California Novelty Wooden Box Co., 3552 18th, San Francisco, Cal.
California Nut Products Co., linseed oil, 624 California, San Francisco, Cal.
California Oil World, trade publication, 339 San Fernando Bldg., Los Angeles, Cal.
California-Oregon Lumber Co., 2 Pine, San Francisco, Cal.
California-Oregon Lumber & Box Co., 112 Market, San Francisco, Cal.
California-Oregon Paper Mills, E. 55th & Alameda, Los Angeles, Cal.
California Ore Testing Co., 630 Sacramento, San Francisco, Cal.
California Packing Corp., 120 Market St., San Francisco, Cal.
California Paint Co., Oakland, Cal.
California Panel & Veneer Co., 955 S. Alameda St., Los Angeles, Cal.
California Paper Box Co., Inc., 3171 17th, San Francisco, Cal.
California Perforating Screen Co., 416 Harrison St., San Francisco, Cal.
California Photographic Apparatus Co. (see American Camera Co., successors).
California Pine Box & Lumber Co., 1st Natl. Bk. Bldg., San Francisco, Cal.
California Planing Mill & Lbr. Co., Los Angeles, Cal.
California Plating Works, 145 W. Fremont, Stockton, Cal.
California Plow Co., 140 Polhenus, San Jose, Cal.
California Plumbing Supply Co., 714 S. Brand Blvd., Glendale, Cal.
California Pole & Piling Co., wood cross arms, San Francisco, Cal.
California Polytechnic School, engng. schools & coll., San Luis Obispo, Cal.
California Portland Cement Co., Amer. Bank Bldg., Los Angeles, Cal.
California Portland Cement Co., Colton, Cal.
California Pottery Co., 579 Mills Bldg., San Francisco, Cal.
California Press Mfg. Co., fertilizer machy, 1800 Folsom, San Francisco, Cal.
California Pressed Brick Co., Niles, Cal.
California Prune & Apricot Growers, San Jose, Cal.
California Pump Co., pneumatic water system, 568 Howard, San Francisco, Cal.
California Pump & Machine Corp., 2668 Long Beach Ave., Los Angeles, Cal. (successor to Watson, W. E., & Co.).
California Purity Paper Bottle Co., Sacramento, Cal.
California Redwood Association, 216 Pine St., San Francisco, Cal.
California Reed & Grass Furniture Works, 400 N. Utah, Los Angeles, Cal.
California Refrigerating Co., 2615 Short, Oakland, Cal.
California Refrigeration Manufacturing Co., 2009 San Fernando Rd., Los Angeles, Cal.
California Rex Spray Co., Benecia, Cal.
California Ripe Olive Co., canned, 24 California, San Francisco, Cal.
California Road & Street Improvement Co., contrs., Bank of Italy Bldg., Fresno, Cal.
California Rock Salt Co., 2436 Hunter, Los Angeles, Cal.
California Salt Co., 200 Bush, San Francisco, Cal.
California Sanitary Canning Co., 1583 Industrial, Los Angeles, Cal.
California Sanitary Rag Co., mach. wipers, 704 Sansome, San Francisco, Cal.
California Saw Works, 721 Braman, San Francisco, Cal.
California Scagliola Co., artificial marble, San Francisco, Cal.
California Screw Co., 50 Tehama, San Francisco, Cal.
California Sea Products Co., fertilizing & whale oils, Russ Bldg., San Francisco, Cal.
California Shade Cloth Co., 1710 San Bruno Ave., San Francisco, Cal.
California Shipbuilding Co., Long Beach, Cal.
California Smelting & Refining Co., 1841 E. 59th, Los Angeles, Cal.
California Soap Co., 1923 Santa Fe av., Los Angeles, Cal.
California Sprayer Co., 6001 Pasadena Ave., Los Angeles, Cal.
California Spring Co., Inc., auto bumpers, 1746 S. Los Angeles, Los Angeles, Cal.
California Staff & Stone Co., 1302 Willow, Los Angeles, Cal.
California Steam & Plumbing Supply Co., 671 5th St., San Francisco, Cal.
California Steel Co., Inc., steel structure work, Hobart Bldg., San Francisco, Cal., also Oakland, Cal.
California Steel Products Co., tanks, pipe bends, etc., 452 Bay, San Francisco, Cal.
California Steel Wheel Corp., 734 E. 12th, Los Angeles, Cal.
California Stucco Products Co., 1501 S. Alameda, Los Angeles, Cal.
California Sugar & White Pine Company, 1st Natl. Bk. Bldg., San Francisco, Cal.
California Sulphur Co., Griffith-McKenzie Bldg., Fresno, Cal.
California Talc Corp., 309 W. 12th, Los Angeles, Cal.
California Tallow Works, Inc., 214 Front, San Francisco, Cal.
California Tanning Co., 1905 Shenando, St. Louis, Mo.
California Tent & Awning Co., 715 B'way, Fresno, Cal.
California Ticket Co., 911 E. 7th, Los Angeles, Cal.
California Timber Co., Boulder Creek, Cal.
California Tool Works, 181 Beale, San Francisco, Cal.
California Trunk Corp., 739 N. Spring, Los Angeles, Cal.
California Wall Bed Co., 165 13th, Oakland, Cal.
California Waste Co., plastering fibre, 2417 E. 23rd, Los Angeles, Cal.
California Welding Works, 627 N. B'way, Los Angeles, Cal.
California Well Tool & Machine Works, 1033 Alhambra Ave., Los Angeles, Cal.
California Wire Cloth Co., 1001H 22d Ave., Oakland, Cal.
California Wire Co., Orange, Cal.
California Wood Carving Co., letters, etc., 1123 Howard, San Francisco, Cal.
California Woolen Mfg. Co., woolen blankets & flannels, California, Mo.
Calima Canning Co., Los Angeles, Cal.
Calkins Co., ore crushers, grinders, cupel machy., etc., 924H S. Main, Los Angeles, Cal.
Calkins, Milford, lumber mfr., Brant, N. Y.
Call Bros. Hardware Co., Pikeville, Ky.
Call, Clarence, insulator pins & brackets, N. Wilkesboro, N. C.
Call., Geo., & Co., stone, L. I. City, N. Y.
Call, John A., 100 Pelham Road, Philadelphia, Pa.
Call-Watt Co., agricultural implements, Richmond, Va.
Callaghan, J., & Son, fire doors, Cleveland, Ohio.
Callahan & Co., Geo., 218 Front St., New York.
Callahan & Schock, contractors, Indiana Harbor, Ind.
Callahan Co., Cornelius, The, 156 Pearl, Boston, Mass.
Callahan Co., W. P., 901 E. 3rd St., Dayton, O.
Callahan Constr. Co., Dallas, Texas.
Callahan, J. L., & Co., leather, Brockton, Mass.
Callahan, Timothy E., granite, Montpelier, Vt.
Callahan-Walker Constr. Co., 322 Peters Trust bldg., Omaha, Neb.
Callahan, Wm., granite, Quincy, Mass.
Callahan, Wm. H., Jr., contrs., Knickerbocker Bldg., Baltimore, Md.
Callam & Co., Jno., Kenton, O.

Callanan Bros., Keeseville, N. Y.
Callanan, Geo., & Co., mill & facty. supplies, 213 Front, New York.
Callaway, C. M., Lumber Co., 15th & Mon. Ave., Huntington, W. Va.
Callaway Hardware Co., Fulton, Mo.
Callaway, Wm. E., shoe blacking & polishes, 61 Wilkinson Ave., Jersey City, N. J.
Callery & Co., W. W. (Metal Polish), 3823 Butler St., Pittsburgh, Pa.
Calleson, C. A., machinery dealer, 50 Church, New York.
Calley Lumber Co., Fresno, Cal.
Calligan, A. H., & Co., contrs., 1001 E. Main, Richmond, Va.
Callin, A. C., architect, Pittsburg, Kan.
Callophone Co. of New York, 216-222 Mercer St., New York.
Callossus & Rhodes, metallic packings, Shreveport, La.
Calman & Co., Emil, 100 William St., New York.
Calmar Mfg. Co., glass, Calmar, Ia.
Calor, C. H., hardware mfr., Plainville, Conn.
Calorio Co., electric stoves & elec. cooking app., Janesville, Wis.
Caloric Furnace Co., 1531 Locust, Philadelphia, Pa.
Caloric Gas Stove Works, Front St. & Fairmount Ave., Philadelphia, Pa.
Calorizing Co. of Pittsburgh, Oliver Bldg., Pittsburgh, Pa.
Calpro Sales Co., 1842 W. Washington, Los Angeles, Cal.
Calta Glass Wks., homeopathic vials, 460 E. Ohio, Chicago, Ill.
Calumet & Hecla Mining Co., copper refiners, etc., Calumet, Mich.
Calumet Coal & Teaming Co., 9022 Commercial ave., Chicago, Ill.
Calumet Concrete Construction Co., 100 W. 115th, Chicago, Ill.
Calumet Fertilizer Co., New Albany, Ind.
Calumet Iron Works, 5 Hyatt Ave., Newark, N. J.
Calumet Motor Co., Calumet, Mich.
Calumet Motor Company, Lake Linden, Mich.
Calumet Refining Co., petroleum & lubricating oils, 4323 S. Western blvd., Chicago, Ill.
Calumet Steel Co., 208 S. La Salle St., Chicago.
Calumet Supply Co., Gary, Ind.
Caluminum Co., The, 1312 S. San Pedro, Los Angeles, Cal.
Calvert Aniline & Chemical Co., 225 Walnut, Cincinnati, Ohio.
Calvert Lithographing Co., Elizabeth and Gd. River, Detroit, Mich.
Calvert Mach. Co., 1606 Thames, Baltimore, Md.
Calvert Mortar Color Works, Warner & Wooster, Baltimore, Md.
Calvert Stove & Htg. Co., 512 S. Chester, Baltimore, Md.
Calvert's Sons, J., 5 McGraw Bldg., Detroit, Mich.
Calvet, Pablo & Co., crude rubber, ivory nuts, 99 Water, New York.
Cambre Bros., sashes, doors & blinds, Jackson, Miss.
Cambria Canning Co., Cambria, Wis.
Cambria Car & Fdry. Co., Johnstown, Pa.
Cambria Clay Co., brick, tile, etc., Patton, Pa.
Cambria Collieries Co. (The), Toledo, Ohio.
Cambria Junk Co., scrap iron, Johnstown, Pa.
Cambria Paint & Color Co., (Ltd.), Johnstown, Pa.
Cambria Spring Co., auto. springs, Los Angeles, Cal.
Cambria Steel Co., see Bethlehem Steel Co. (successors).
Cambrian Limestone Co., Wampum, Pa.
Cambridge Brass Co., elec. fixtures, 815 Somerville, Cambridge, Mass.
Cambridge City Casket Co., Cambridge City, Ind.
Cambridge Collieries Co., Rockefeller bldg., Cleveland, Ohio.
Cambridge Foundry & Machine Co., Cambridge, O.
Cambridge Glass Co., Cambridge, O.
Cambridge Iron Wks., Cambridge, Mass.
Cambridge Mfg. Co., lbr., Cambridge, Md.
Cambridge Milling Co., flour, Cambridge, Neb.
Cambridge Packing Co., canned goods, Cambridge, Ia.
Cambridge Plumbing Supply Co., Cambridge, Mass.
Cambridge Roofing Co., Cambridge, O.
Cambridge Slate Co., Slatington, Pa.
Cambridge Starch Co., Cambridge, Minn.
Cambridge Tile Mfg. Co., 16th and Woodburn Ave., Covington, Ky.
Camden Anchor-Rockland Machine Co., Camden, Me.
Camden Boiler Wks., Inc., asphalt & oil boiling kettles, Delaware River & 26th, Camden, N. J.
Camden Canning Co., Camden, Ohio.
Camden Chemical Mfg. Co., Inc., Camden, N. J.
Camden City Glass Co., Camden, N. J.
Camden Coke Co., toluol, Camden, N. J.
Camden Copper Works, Inc., pans, evaporators, 559 S. 2nd, Camden, N. J.
Camden Cotton Oil Co., Camden, Ala.
Camden Elbow Co., elbows & shoes, conductor pipe, Camden, N. J.
Camden Fndry. Co., machsts., Camden, N. J.
Camden Forge Co., Camden, N. J.
Camden Heating Co., Camden, N. J.
Camden Iron Works, Line St., Camden, N. J.
Camden Lime Co., Camden, N. J.
Camden Lumber Co., Brunswick, Ga.
Camden Lumber Co., Camden, Me.
Camden Mfg. Co., Columbia, Pa.
Camden Packing Co., canned goods, Camden, N. Y.
Camden Petroleum Co., 208 S. La Salle St., Chicago.
Camden Pottery Co., Camden, N. J.
Camden Shipbuilding Co., Camden, N. J.
Camden Steel Works, The, Camden, N. J.
Camden White Lead Works, Camden, N. J.
Camden Yacht Bldg. & Ry. Co., Camden, Me.
Came, J. E., Co., billiard tables, 114 Sudbury, Boston, Mass.
Camel Chemical Co., Inc., 428 Couch, Portland, Ore.
Camel Company, 332 S. Michigan Ave., Chicago.
Camenisch, John, cornices, La Salle, Ill.

CAMERAGRAPH COMPANY, 411 East 8th St., Kansas City, Mo.

Cameron & Barkley Co., Charleston, S. C.
Cameron & Co., R. W., 23 S. William St., New York.
Cameron & Co., Wm. (Inc.), Waco, Tex.
Cameron & Disston, contractors, Hearst Bldg., San Francisco, Cal.
Cameron, A., lbr., Vass, N. C.
Cameron, A. B., Piano Co., 267 E. 133d, New York.
Cameron, A. S., Steam Pump Works, see Ingersoll-Rand Co. (successors).
Cameron, Amberg & Co., 163 W. Randolph St., Chicago.
Cameron Appliance Co., Everett, Mass. (Elec. Spec.)
Cameron Bros., mattresses, 822 Federal, Pittsburgh, Pa.
Cameron Can Machy Co., 240 N. Ashland ave., Chicago, Illinois.
Cameron Coal Co., Franklin Trust Bldg., Philadelphia, Pa.

CAMERON ELECTRIC MFG. CO., 211 Main, Ansonia, Conn.

Cameron, G. V. & F. W., plate glass, 284 Central ave., Albany, N. Y.
Cameron Glass & Mfg. Co., lamp chimneys, globes & shades, Cameron, W. Va.
Cameron, H. C., lbr., Olivia, N. C.
Cameron-Hogg Lumber Co., Spalding Bldg., Portland, Ore.
Cameron, J. E., packing box mfr., Golden Dale, Wash.
Cameron, Joe T., flour mills, Washburn, Tenn.
Cameron, Joyce & Co., contractors, Keokuk, Ia.
Cameron Lbr. Co., 1403 R. A. Long Bldg., Kansas City, Mo.

CAMERON MACHINE CO., 61 Poplar St., Brooklyn, N. Y.

Cameron Oil Mill, meal, Cameron, S. C.
Cameron Picture Mach. Co., searchlights, Brooklyn, N. Y.
Cameron Powder Mfg. Co., Emporium, Pa.
Cameron, Schroth Co., steam fitters' supplies, 217 E. Illinois, Chicago, Ill.
Cameron Refining Co., Ardmore, Okla.
Cameron Steam Pump Works, A. S., New York. (See Ingersoll-Rand Co.)
Cameron Stove Co., Richmond, Va.
Cameron-Taylor Lbr. Co., Bull Run, Ore.
Cameron Tool Co., machsts. & fndrs., Cameron, W. Va.
Cameron, W. L., Co., buttons, 794 10th ave., New York.
Camillus Cutlery Co., Camillus, N. Y.
Camm & Hedges Co., sashes, doors & blinds, Petaluma, Cal.
Camm, Geo. E. & Son, machinist, Johnstown, N. Y.
Cammack, Richard, contrs., Grove & Wentworth, Cincinnati, Ohio.
Camp & Co., L. W., Akron, O.
Camp Bros. & Co., agrilt. implts., portable elevators, washing machy., etc., Washington, Ill.
Camp Co., elec. hair dryers, La Crosse, Wis.
Camp, E. N., & Sons Co., agricultural implements, Moreland, Ga.
Camp, H. B., Co., underground conduits, Fulton Bldg., Pittsburgh, Pa.
Camp, H. W., Co., fertilizer, Moreland, Ga.
Camp, Harry E., petroleum, Bradford, Pa.
Camp, J. M., carriages, Lincoln, Neb.
Camp Manufacturing Co., Franklin, Va.
Camp Spring Mill Co., flour, Nashville, Ill.
Campbell & Buldong Machine Works, 390 S. 1st, San Jose, Cal.
Campbell & Clute Mach. Co., Cohoes, N. Y.
Campbell & Dann Mfg. Co., Tullahoma, Tenn.
Campbell & Dempsey Co., contractors, Kingston, N. Y.
Campbell & Kelly, Inc., machts. & fndrs., Tonopah, Nev.
Campbell & Keppen, clothes pins, Lamont, N. Y.
Campbell & Lewis, consulting htg. engineers, Watertown, N. Y.
Campbell & Morgan, contrs., Appleton, Wis.
Campbell & Price, contrs., 603½ W. Main, Oklahoma City, Okla.
Campbell & Smiley, heating contr., 30 Church, New York.
Campbell & Wall, contractors, Troy, N. Y.
Campbell, A. D., fertilizer mfr., Chipley, Fla.
Campbell, A. S. Co., canteens, etc., elec. lamps, 161 Prescott, Boston, Mass.
Campbell Art Co., Elizabeth, N. J.
Campbell Auto Sup. Co., Fred, 2806 Locust St., St. Louis, Mo.
Campbell Auto Works, 238 N. El Dorado, Stockton, Cal.
Campbell-Bosworth Mach. Co., 205 Lincoln, Boston, Mass.
Campbell Bros., contractors, Santa Fe, N. M.
Campbell Bros. Co., contractors, Youngstown, Ohio.
Campbell Bros. Co., meat packers, Danville, Ill.
Campbell Building Co., Newhouse Bldg., Salt Lake City, Utah.
Campbell, C. H., Furn. Co., Dept. H, Shelbyville, Ind.
Campbell, C. W., industrial chemicals, 11 Cliff, New York.
Campbell Co., A. S., 284 Commercial, Boston, Mass.
Campbell, E. D., flour mills, Milford Square, Pa.
Campbell Electric Co., 17 Stewart St., Lynn, Mass.

CAMPBELL-EWALD Co., Detroit, Mich.

Campbell Fibre Co. Stanton, Del.
Campbell Glass & Paint Co., Main & Gratiot Sts., St. Louis, Mo.
Campbell-Hausfeld Co., Harrison, O.
Campbell Heating Co., Des Moines, Ia.
Campbell, Hugh, & Son, contractors, Bay City, Mich.
Campbell, Inc., Andrew C., (Special Mach.), 42 State St., Waterbury, Conn.
Campbell, Inc., W. H., 30 Church St., New York.
Campbell Iron Co., The, 819 Cass St., St. Louis, Mo.
Campbell, J., Co., canned goods, Camden, N. J.
Campbell, J. A., Co., 905 Western ave., Seattle, Wash.
Campbell, J. E., sash, door & blind, Humboldt, Tenn.
Campbell, J. G. & W., Butler, Pa.
Campbell, J. M., cooperage stock, Caldwell, Ark.
Campbell, Jas. F., & Son, machsts.; file & rasp. mfrs., 92 Essex, Brooklyn, N. Y.
Campbell, John, & Co., aniline colors, 75 Hudson, New York.
Campbell John & Co., leather, 28 Spruce, New York.
Campbell, Lewis, pipe supplies, Boyerstown, Pa.
Campbell Lumber & Mfg. Co., Hoag nr. Dorr, Toledo, Ohio.
Campbell, M. B., rims & felloes, carriage & wagon, Tullahoma, Tenn.
Campbell Mfg. Co., Gadsden, Ala.
Campbell Mfg. Co., The, 390 Main St., Worcester, Mass.
Campbell Machine Co., San Diego, Cal.
Campbell Metal Window Corp., Bush & Hamburg Sts., Baltimore, Md., & Pershing Square, New York.
Campbell Mill Co., lbr., Redmont, Wash.
Campbell, Moore Lbr. Co., Glacier, Wash.
Campbell, P. F., 53-61 Laurel St., Philadelphia, Pa.

CAMPBELL PAPER BOX COMPANY, 1001 S. Main St., South Bend, Ind.
Pres.—Marvin Campbell.
Sec.—John B. Campbell.
Treas.—M. Rudolph Campbell.
Sales Mgr.—Woodard G. Jeschke.

Campbell Redwood Lbr. Co., Pescadero, Cal.
Campbell, Robert & Bros., marine ry., 3421 13th ave. S. W., Seattle, Wash.
Campbell, Robert B., Co., contrs.' equipt., 6 Beacon, Boston, Mass.
Campbell, S. K., Co., agricultural implements, Central Bridge, N. Y.
Campbell-Smith-Ritchie Co., Lebanon, Ind.
Campbell Supply Co., 570 Cols. Ave., New York.
Campbell Tag Co., South Bend, Ind.
Campbell, W. J., Lbr. Co. (Ltd.), Oshkosh, Wis.
Campbell, W. M., flour mills, Gillham, Ark.
Campbell, W. S., cornices & skylights, Carrollton, Ga.
Campbell Wall Paper Co., Wm., Hackensack, N. J.
Campbell, Walter M., pen archl. water colorists, 88 Tremont, Boston, Mass.
Campbell-Ware Co., Jacksonville, Fla.

CAMPBELL WIRE SPECIALTY WORKS, 1001 S. Main St., South Bend, Ind.
Pres.—Marvin Campbell.
Sec.—John B. Campbell.
Treas.—M. Rudolph Campbell.
Sales Mgr.—Woodard G. Jeschke.

Campbell, Wyant & Cannon Foundry Co., Muskegon, Mich.
Campbellsville Canning Co., Campbellsville, Ky.
Campbellsville Lumber Co., Campbellsville, Ky.
Campbellsville Mfg. Co., woolen blankets, Campbellsville, Ky.
Campen, Sam'l M., lumber, Alliance, N. C.
Campfield Baggie Block Co., Colonial Bldg., Richmond, Ind.
Campo, B., mason, Stafford Springs, Conn.
Campobello Oil Mills, meal, Campobello, S. C.
Campville Brick Co., Campville, Fla.
Canada Foundries & Forgings, Ltd., Welland, Ont., Can.

CANADA INGOT IRON COMPANY, LTD., Guelph, Ont., Canada.

Canada Iron Foundries, Ltd., Montreal, P. Q., Can.
Canadian-Am. Cereal Products Co., Produce Exch., New York.
Canadian Brakeshoe Co., Ltd., Sherbrooke, P. Q., Can.
Canadian Bridge Co., Walkerville, Ont.
Canadian Bronze, Ltd., Montreal, Can.
Canadian Car & Fdry. Co., Ltd., Montreal, P. Q., Can.
Canadian Concrete Products Co., 122 S. Michigan Ave., Chicago.
Canadian Consolidated Rubber Co., Ltd., Montreal, Can.
Canadian Detroit Lubricator Co., Ltd., Walkerville, Ont.
Canadian Fairbanks, Morse Co., 75 N. Front St., Toronto, Canada.
Canadian Gold Car Heating & Lighting Co., Ltd., Montreal, Can.
Canadian Horse Shoe Co., Ltd., Hamilton, Ont.
Canadian Knitting Mills, sweaters, cardigans, etc., 86 Meserole, Brooklyn, N. Y.

CANADIAN MEAD-MORRISON CO., LTD., Canada Cement Bldg., Montreal, Can.
V. P. & Managing Director—W. S. Martin.
Sec. and Treas.—J. A. Johnson.
Gen. Sales Mgr.—D. W. Coe.

Canadian Mill & Elevator Co., El Reno, Okla.
Canadian Radio Corporation, Ltd., Toronto, Ont., Can.
Canadian Ramapo Iron Works, Ltd., Niagara Falls, Can.
Canadian Steel Foundries, Ltd., Montreal, P. Q., Can.
Canadian Tar Products Co., Ltd., 208 S. La Salle St., Chicago.
Canadian Trucks, Ltd., The, Toronto, Ont., Can.
Canadian Tungsten Lamp Co., The, Hamilton, Ont., Can.
Canal Construction Co., McCall Bldg., Memphis, Tenn.
Canal Lumber Co., Benmore, Miss.
Canal Lumber Co., wood pipe, Seattle, Wash.
Canale & Co., D., 408 S. Front St., Memphis, Tenn.
Canan Building Supply Co., Beale ave. & 21st, Altoona, Pa.
Canan-Knox Supply Co., masons' & bldrs.' matls., 1912 Margaret, Altoona, Pa.
Canandaigua Kraut Co., canned, Canandaigua, N. Y.
Canasawacta Knitting Co., bathing suit mfrs., Sherburne, N. Y.
Canastota Canning Co., Canastota, N. Y.
Canbeo Mfg. Co., The, Attleboro, Mass.
Canby, Hy. M., lbr., Equitable Bldg., Wilmington, Del.
Cancos Mfg. Co., 146 N. 2nd St., Philadelphia, Pa.
Candee & Co., L., 214 End St., New Haven, Conn.
Candee Incubator & Brooder Co., Eastwood, N. Y.
Candelaria Fowler Timber Co., Arboles, Colo.
Candelet, J. E., & Co., contractors, 9 Sackett, Providence, R. I.
Candler Dock & Dredge Co., Moffat Bldg., Detroit, Mich.
Candler Elec. Co., 535 7th ave., New York.
Candler, Geo. V., Co., cornices & metal garages, 724 Seyburn, Detroit, Mich.
Candler, Robt., Co., cornices & skylights, 2050 W. Forest, Detroit, Mich.
Candler Rooning Co., J. D., 551 E. High St., Detroit, Mich.
Cando Implement Co., machsts. & fndrs., Cando, N. D.
Candor Blanket Co., Candor, N. Y.
Candvo & Grixsello, contrs., Toronto, O.
Candy & Co., 401 N. Paulina Ct., Chicago.
Candy & Nut Machine Co., Toledo, Ohio.
Cane Paint Co., 329 E. 9th, Los Angeles, Cal.
Cane Valley Mill Co., Cane Valley, Ky.
Canedy-Otto Mfg. Co., Chicago Heights, Ill.
Canfield Co., H. O., 191 Housatonic av., Bridgeport, Conn.
Canfield, H. C., lawn swings, Batesville, Ind.
Canfield Lumber Co., Waterloo, Ia.
Canfield, M. C., Sons Co., babbitt & solder, 93 Wilsey, Newark, N. J.
Canfield Mfg. & Novelty Co., handles (wood), Canfield, Ohio.
Canfield Oil Co., 3216 E. 55th, Cleveland, O.
Canfield Rubber Co., 708 Railroad Ave., Bridgeport, Conn.
Canfield Supply Co., Kingston, N. Y.
Canham, Victor H. & Co., garment hangers, 83 Forest ave., Buffalo, N. Y.
Canister Co. of N. Jersey, cans, cases, lacquering, etc., Broad, Phillipsburg, N. J.
Cann & Saul, 516 Commerce St., Philadelphia, Pa.
Cannelton Coal & Coke Co., Cannelton, W. Va.
Cannelton Planing Mill Co., sashes, doors & blinds, Cannelton, Ind.
Cannelton Sewer Pipe Co., Cannelton, Ind.
Cannelton Stoneware & Pottery Co., Cannelton, Ind.
Canniff, W. C., & Co., granite, Quincy, Mass.
Canning Trade, publication, 107 S. Mederick, Baltimore, Md.
Cannon & Co., brick, tile, etc., North Sacramento, Cal.
Cannon Falls Canning Co., Cannon Falls, Minn.
Cannon, H. P., & Son, canned goods, Bridgeville, Del.
Cannon Mfg. Co., shade cloth, Concord, N. C.
Cannon Oiler Co., The, Keithsburg, Ill.
Cannon, T. J., & Sons Machine Co., designers & builders of special machinery, tools, etc., Lynn, Mass.
Cannon Valley Milling Co., flour, 822 Flour Ex., Minneapolis, Minn.
Canon Oil & Fertilizer Co., Canon, Ga.
Canonsburg Steel & Iron Wks., Canonsburg, Pa.
Can't Split Handle Co. (File), 24 Newfield St., Buffalo, N. Y.
Cantasano, Vito G., & Bros., cotton waste, 185 South, New York.
Canterbury, A. C., flour mills, Turtle Creek, W. Va.
Cantine Co., Martin, Saugerties, N. Y.
Cantol Wax Co., Bloomington, Ind.
Cantol Wax Co., San Antonio, Texas.
Canton Art Metal Co., 920 Market av., S., Canton, O.
Canton Box Co., packing, 2515 Boston, Baltimore, Md.
Canton Brass Foundry Co., Canton, O.
Canton Bridge Co., Belden & 10th N. E., Canton, Ohio.
Canton Bros., granite, Barre, Vt.
Canton Buffing Machine Co., Inc., 410 Bird Ave., Buffalo, N. Y.
Canton Buggy Co., 1524 Tuscarawas, E., Canton, Ohio.
Canton Canning Co., 1733 15th, N. E., Canton, Ohio.
Canton Clay Products Co., crockery, Robertsville, Canton, Ohio.

Canton Clothes Dryer Co., Canton, O.
Canton Cornice & Skylight Co., 428 Cherry ave., S. E., Canton, Ohio.
Canton Cotton Mills, Canton, Ga.

CANTON CULVERT & SILO CO., The, Canton, O.

Canton Cutlery Co., 1212 5th Ave., S. W., Canton, O.

CANTON DROP FORGING & MFG. CO., THE, Canton, O.

Canton Feed & Milling Co., 802 Navarre Rd., S. W., Canton, Ohio.
Canton Fertilizer Co., Canton, Ga.
Canton Fertilizer & Chemical Co., Harrisburg Rd., N. E., Canton, Ohio.

CANTON FORGE & AXLE COMPANY, 2025 Deuber Ave., S. W., Canton, O.

Pres.—F. C. Moore, Chicago.
1st V. P.—P. W. Moore.
Sec.—H. C. Holloway, Chicago.
Treas.—F. A. Preston, Chicago.

CANTON FOUNDRY & MACHINE CO., 603 3rd St., S. E. Canton, O.

Pres.—W. J. Poyser.
V. P. & Gen. Mgr.—W. E. Slentz.
Sec. & Treas.—W. H. Cavenah.

New York—203 E. 15th St., The Canton Foundry & Machine Co.

Canton Furniture Mfg. Co., The, Canton, O.
Canton Glass Co., Marion, Ind.
Canton Grate Co., oil filters, Canton, Ohio.
Canton Hardware Co., 1221 3rd St., N. E., Canton, O.
Canton Iron & Metal Co., 200 11th St., S. E., Canton, O.
Canton Lbr. Co., Boston, ft. of Kenwood ave., Baltimore, Md.
Canton Lumber Co., Canton, O.
Canton Mach. Shop, spec. machy., 320 Rex ave., S. E., Canton, Ohio.
Canton Malleable Iron Works, 2403 13th St., N. E., Canton, O.
Canton Material Co., Canton, O.
Canton Mattress Co., The, 701 Tuscarawas, E., Canton, Ohio.
Canton Paint & Glass Co., 324 Tuscarawas, W., Canton, Ohio.
Canton Pattern & Mfg. Co., The, Andrew Pl. & W. & L. E. R.R., S. W., Canton, Ohio.
Canton Planing Mill Co., Canton, Mo.

CANTON PNEUMATIC CO., 1716 9th St., S. W., Canton, Ohio.

Chicago—106 S. Jefferson St., H. E. Barton Tool Co.
Cleveland, O.—640 Guardian Bldg., L. S. Garret.
Los Angeles, Cal.—609 Westley-Roberts Bldg., S. K. Lehman Co.
Milwaukee, Wis.—436 Milwaukee St., James Gibbons.
New York—27 Warren St., H. L. Young Co.
Philadelphia, Pa.—Westerly Bldg., T. B. McCabe Co.
St. Louis, Mo.—1109 N. Broadway, J. O. Coleman.

Canton Provision Co., Cornahan ave., N. E., Canton, Ohio.
Canton Razor Strop Co., Inc., 719 Cook ave., S. W., Canton, Ohio.
Canton Rim Co., automobile rims, Dept. H, Louisville, Ohio.
Canton Rim Co., The, Canton, Ohio.
Canton Rubber Co., 211 7th St., S. E., Canton, O.
Canton Saw Co., 700 Walnut Ave., S. E., Canton, O.
Canton Sheet Steel Co., Canton, O.
Canton Sign Co., elec. signs, 222 5th, N. E., Canton, Ohio.
Canton Stamping & Enameling Co., 810 Carnahan Ave., N. E., Canton, O.
Canton Steel Foundry Co., The, 1502 Allen Ave., Canton, O.
Canton Steel Foundry Co., The, Allen Ave., & W. & L. E. R. R., Canton, O.
Canton Steel Roofing Co., sheet steel ceilings, 1221 Tuscarawas, E., Canton, Ohio.
Canton Structural Steel Co., 1000 Belden ave., N. E., Canton, Ohio.
Canton Supply Co., 201 Buckeye Pl., S. W., Canton, O.
Canton Tent & Awning Co., The, 702 Tuscarawas, E., Canton, Ohio.
Cantrell, Fred., Co., Inc., mill & facty. supplies, 607 Market, Chattanooga, Tenn.
Cantrell-Miller Mfg. Co., auto accessories, 1246 Larkin, San Francisco, Cal.
Cantslip Mfg. Co., rubber mats, 1 Cedar, New York.
Cantwell Hardware Co., Kenton, Ohio.
Canvas Decoy Co., Union City, Tenn.
Canvas & Leather Novelty Co., 80-82 Greene St., New York.

CANVAS GLOVE MFG. WORKS, 177-79 Stagg, Brooklyn, N. Y.

Canvas-Lesther Specialty Co., bags, 757 Cass, Trenton, N. J.

CANVAS PRODUCTS CO., 615 Rutger St., St. Louis, Mo.

Canyon Lumber Co., Everett, Wash.
Cap-Swivel-Let Co., conduit fittings, Warren, R. I.
Capac Paper Co., Capac, Mich.
Caparn, Harold A., landscape architect, 18 E. 41st, New York.
Cape & Sons Co., Jas., Racine, Wis.
Cape Ann Anchor Forge Co., Gloucester, Mass.
Cape Ann Tool Co., Rockport, Mass.
Cape Cod Shipbldg. Corp., launch, motor boat & yacht bldrs., Wareham, Mass.
Cape Cod Ship-Building Corporation, 18 Tremont St., Boston, Mass.
Cape Cod Specialty Co., canned goods, North Truro, Mass.
Cape County Milling Co., flour, Jackson, Mo.
Cape Girardeau Portland Cement Co., Cape Girardeau, Mo.
Cape Girardeau Pressed Brick Co., Cape Girardeau, Mo.
Cape, Hy., lbr., 480 Lexington ave., New York.
Cape Lime & Marble Co., Cape Girardeau, Mo.
Cape May Glass Co., Cape May Court House, N. J.
Cape May Sand Co., Cape May, N. J.
Capell Salt Co., Salt Lake City, Utah.
Capen Belting & Rubber Co., 21 N. 1st St., St. Louis, Mo.
Capesi Viscose, Inc., self fixing bottle caps, Dept. H, Delawanna, N. J.
Capewell Horse Nail Co., The, Governor St., Hartford, Conn.
Caphenin Chem. Co., soap, Waverly, Iowa.
Capital Box Factory, 2nd & Q, Sacramento, Cal.
Capital Brass Fdry., castings, Salt Lake City, Utah.
Capital Buggy Co., Henderson, N. C.
Capital City Casket Co., Sacramento, Cal.
Capital City Culvert Co., Madison, Wis.
Capital City Furniture Co., 639 Jackson St., St. Paul Minn.
Capital City Lime & Cement Co., Starkey & Indiana, St. Paul, Minn.
Capital City Sand Co., Des Moines, Ia.
Capital City Supply Co., S. East & Bicking Sts., Indianapolis, Ind.
Capital City Supply Co., Charleston, W. Va.
Capital City Vitrified Brick & Paving Co., Topeka, Kan.
Capital Const. Co., 849 Reynolds Ave., Columbus, Ohio.
Capital Constr. Co., Madison, Wis.
Capital Constr. Co., Portner, Washington, D. C.
Capital Decorating & Mfg. Co., scenic artists, 348-50 Hayes, San Francisco, Cal.
Capital Elec. & Mfg. Co., 1126 California St., Denver Colo.
Capital Elec. Co., armatures, Springfield, Ill.
Capital Elec. Co., clothes washing machines, 619 Milwaukee ave., Chicago, Ill.
Capital Elec. Co., incandescent elec. lamps, 1126 California, Denver, Colo.
Capital Electric Co., 21 W. 1st St., Ogden, Utah.
Capital Electric Co., Salt Lake City, Utah.
Capital Electric Supply Co., Lansing, Mich.
Capital Envelope Co., 1803 E. 7th, Los Angeles, Cal.
Capital Fertilizer Co., Montgomery, Ala.
Capital Furn. Mfg. Co., Dept. H, Sacramento, Cal.
Capital Gas Engine Co., W. 21st and Belt Ry., Indianapolis, Ind.
Capital Hill Monument Co., Des Moines, Ia.
Capital Iron Wks., 7th and Halliday Sts., Topeka, Kan.
Capital Knit Wks., sweaters, cardigans, etc., 1330 Fulton, Brooklyn, N. Y.
Capital Lift & Mfg. Co., 209 S. High St., Columbus, O.
Capital Paper Co., 225 W. South St., Indianapolis, Ind.
Capital Stone Co., Atlanta, Ga.
Capital Wire Co., Madison Wis.
Capitol Art Metal Co., Inc., 1133 Howard, San Francisco, Cal.

CAPITOL BRASS WORKS, 2306 Franklin St., Detroit, Mich.

Pres.—Benj. Noble.
V. P.—G. H. Noble.
Sec.—E. Strauss.
Treas.—F. D. Reeves.
Representatives:
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ILL.—Chicago—Kellogg-MacKay Co., Inc., 419 W. 18th St., Canal 4950.
Lehnen & Webb, 164 S. Clark St., Victory 4045.
Wolff Mfg. Co., 255 N. Hoyne Ave., West 4800.
MD.—Baltimore—Pierce, Butler & Pierce Mfg. Corp., 15 E. Fayette St.
N. Y.—Buffalo—W. A. Case & Son Mfg. Co., 31-33 Main St., Seneca 6020.
New York—John G. Kelly, 210 E. 45th St., Murray Hill 7162.
Pierce, Butler & Pierce Mfg. Corp., 437 E. 162nd St., Melros 9500.
Aird-Don Company, 409 River St.
PA.—Philadelphia—Pierce, Butler & Pierce Mfg. Corp., 31st & Oxford Sts., Poplar 8900.
Pittsburgh—Fort Pitt Supply Co., 316 2nd Ave., Court 5544.
TEX.—Fort Worth—C. F. Adams, Box 253.

Capitol City Iron Wks., Olympia, Wash.
Capitol City Machine Works, Montgomery, Ala.
Capitol City Vitrified Brick & Paving Co., Topeka, Kan.
Capitol Constr. Co., Ruggery Bldg., Columbus, Ohio.
Capitol Electric Engineering Co., Lansing, Mich.
Capitol Foundry Co., Hartford, Conn.
Capitol Foundry Co., 1800 W. Colfax, Denver, Colo.
Capitol Fdry. Co., Hartford, Conn.
Capitol Lbr. Co., 49th & Monon, Indianapolis, Ind.
Capitol Milling Co., flour, Los Angeles, Cal.
Capitol Paint & Varnish Co., Washington, Pa.
Capitol Refining Co., 343 Sansome, San Francisco, Cal.
Caplan, Julius H., scrap iron, Lebanon, Pa.
Caplan, S., & Co., bristles, hair, 97 Water, New York.
Capoli Button Works, Lansing, Ia.
Cappon & Bertsch Leather Co., Holland, Mich.
Capps, B. W., cornices & skylights, 247 Union, Memphis, Tenn.
Capps Co., C. I., 514 Katherine St., Jacksonville, Fla.
Capps, J., & Sons (Ltd.), woolen blankets, Jacksonville, Illinois.
Caprio & Grieco, contractors, Lock Haven, Pa.
Caproni, P. P., & Bro., stucco wk., 1914 Washington, Boston, Mass.
Capstan Glass Co., tumblers, Connellsville, Pa.
Caputo, Louis & Son, contrs., 1213 S. Main ave., Scranton, Pa.
Car Lighting Co., 55 Liberty St., New York.
Car Wheel Guard Co., The, Tiffin, O.
Carabelli, Jos., Monumental Works, 12317 Euclid ave., Cleveland, Ohio.
Caraleigh Phosphate & Fertilizer Works, Raleigh, N. C.
Caravel Co., chemicals, dyestuffs, etc. (brokers), 13 Vandewater, New York.
Carballoy Products Co., The, Bellevue, O.

CARBIC MFG. CO., Duluth, Minn.

Pres.—C. A. Duncan.
Treas. & Gen. Mgr.—D. C. Duncan.
Secy.—Oscar Mitchell.
Branch Offices and Distributors:
ALA.—Birmingham—Moore-Hadley Hdwe. Co.
COLO.—Denver—Hendrie & Bolthoff Mfg. & Sup. Co.
DEL.—Wilmington—Hudson Supply Co.
Dist. of Col.—Washington—Rudolph & West Co.
GA.—Atlanta—Carbic Mfg. Co.
ILL.—Chicago—Barrett-Christie Co., 37 S. Clinton St., Franklin 4731.
Carbic Mfg. Co., 565 W. Washington Blvd., Main 0920.
Geo. B. Carpenter Co., 436 N. Wells St., Franklin 6000.
J. H. Clark Hdwe. Co., 123 W. Lake St., Franklin 2942.
Crerar Adams & Co., 3550 S. Morgan St., Boulevard 8606.
Great Lakes Sup. Co., 3217 E. 92nd St., South Chicago 7600.
R. H. Hyland & Co., 225 W. Huron St., Dearborn 8130.
East St. Louis—Carbic Mfg. Co.
IND.—Evansville—Evansville Supply Co.
Indianapolis—Carbic Mfg. Co.
Sutton Welding Products Co.
Van Camp Hdwe. & Iron Co.
KY.—Louisville—Belknap Hdwe. & Mfg. Co.
Roy C. Wheyne Supply Co.
LOUISIANA—New Orleans—Carbic Mfg. Co.
Woodward, Wight & Co.
MD.—Baltimore—Carbic Mfg. Co.
Henry H. Meyer Co.
Welders Supply Co.
MASS.—Boston—Carbic Mfg. Co., 27 School, Congress 2930.
Lenane Supply Co., 261 Franklin, Main 4306.
Perrine & Seamans Co., 57 Olive, Main 0909.
Waldo Bros. & Bond, 181 Congress, Main 8260.
MICH.—Detroit—W. H. Anderson Tool & Sup. Co., 2178 Franklin, Edgewood 4321.
Carbic Mfg. Co.
Saginaw—Morley Bros.
MINN.—Duluth—Carbic Mfg. Co.
Marshall-Wells Co.
Minneapolis—Carbic Mfg. Co.
Warner Hdwe. Co.
W. H. Ziegler Co.
St. Paul—Robinson, Cary & Sands.
MO.—Kansas City—Carbic Mfg. Co.
St. Louis—Handlan & Buck Mfg. Co., 212 N. 3rd St., Main 231.
Geo. F. Smith, 3343 Franklin, Bomont 883
MONT.—Butte—Mountaineer Welders Sup. Co.
NEB.—Omaha—Bowman Machinery Co.
Carbic Mfg. Co.
N. J.—Bayonne—Brady Bros.
Camden—Carbic Mfg. Co.
Jersey City—Carbic Mfg. Co.
N. Y.—Buffalo—Beals, McCarthy & Rogers, 50 Terrace, Seneca 2820.
Carbic Mfg. Co., 541 Seneca, Jefferson 2716.
Cohoes—Sweet & Doyle.
New York—Carbic Mfg. Co., 139 Centre, Franklin 1198.
N. C.—Ashville—Brown Hardware Co.
OHIO—Cincinnati—Queen City Sup. Co.
Cleveland—Buckeye Welding & Sup. Co.
Carbic Mfg. Co.
Pattison Sup. Co.
Toledo—Bostwick-Braun Co.
PENN.—Braddock—McCrady Bros. Co.
Harrisburg—Carbic Mfg. Co.
Philadelphia—Standard Sup. & Equip. Co., 17 & Lehigh, Columbia 6400.
Pittsburgh—Carbic Mfg. Co., 101 Galveston Av., Cedar 6550.
Frick & Lindsay, Neville I., Federal 0497-J.
Somers, Fitler & Todd, 327 Water, Court 4860.
TENN.—Knoxville—Dempster Equipment Co.
TEX.—El Paso—Acetylene Products Co.
Carbic Mfg. Co.
UTAH—Salt Lake City—Carbic Mfg. Co.
Landes & Co.
WIS.—Milwaukee—Hunter Machinery Co.

CARBIDE & CARBON CHEMICAL CORP., 30 E. 42nd, New York.

Carbo-Hydrogen Company of America, Benedum Trees Bldg., Pittsburgh, Pa.
Carbola Chemical Co., Inc., talcum powder mfrs. & mixers, 5 E. 42nd, New York.
Carbolineum Importing Co., 74 Wall St., New York.
Carbolineum Wood Preserving Co., 34 Barclay, New York.
Carbolineum Wood Preserving Co., of Oregon, Portland, Ore.
Carbolineum Wood Preserving Co. of Wis., Milwaukee, Wis.
Carbo-Oxygen Company, Benedum Trees Bldg., Pittsburgh, Pa.
Carbo Steel Products Co., 2600 W. 111th, Morgan Park Sta., Chicago, Ill.
Carbon Coal Co., Pittsburgh, Kans.
Carbon Fuel Co., coal mine, Carbon, W. Va.
Carbon Furnace Co., Ltd., Mauch Chunk, Pa.
Carbon Iron & Steel Co., Ltd. See Carbon Furnace Co. (successors).
Carbon Limestone Co., Youngstown, Ohio.
Carbon Paint Co., Felt bldg., Salt Lake City, Utah.
Carbon Products Co., 2010 E. Slauson ave., Los Angeles, Cal.
Carbon Products Co., Lancaster, O.
Carbon Slate Co., Slatington, Pa.
Carbon Steel Casting Co., Lancaster, Pa.
Carbon Steel Co., bar mills ft. 32nd, Pittsburgh, Pa.
Carbondale Machine Co., Carbondale, Pa.
Carbondale Milling Co., flour, Carbondale, Pa.
Carbondale Sponge Co., 73 Warren St., New York.
Carbondale Welding Co., 111 Dundaff St., Carbondale, Pa.
Carborundum Co., Niagara Falls, N. Y.
Card, A. H., lbr., Pineville, Ky.
Card Iron Works Co., C. S., 2501 W. 16th St., Denver, Colo.
Card, J. M., Lumber Co., Rsvl., Bv., Chattanooga, Tenn.
Card Mfg. Co., S. W. (Div. of Union Twist Drill Co.), Mansfield, Mass.
Carde Stamping & Tool Co., Saginaw, Mich.
Cardiff Green Marble Co., Cardiff, Md.
Cardiff Gypsum Plaster Co., Fort Dodge, Ia.
Cardinal Cabinet Co., Wabash, Ind.
Cardinell Vellum Mfg. Co., 15 Label St., Montclair, N. J.
Cardinell-Vincent Co. (Art & Staty. Specialist), 577 Market St., San Francisco, Cal.
Cardington Cabinet Co., Cardington, Ohio.
Car-Dumper & Equipment Co., 1720 E. 75th St., Chicago.
Cardo Bros. & Co., granite, 3167 E. Tremont ave., New York.
Cardwell, Allen D. Mfg. Co., radio apparatus, 81 Prospect, Brooklyn, N. Y.
Cardwell Blue Print & Supply Co., Denver, Colo.
Cardwell Mach. Co., 1900 E. Cary St., Richmond, Va.
Cardwell Mfg. Co., draft gear, etc., McCormick Bldg., Chicago, Ill.
Caretti, John, & Co., floor mosaics, 53 Austin, Chicago, Ill.
Carew, Jos. F., stone producers, Gerard & Mass. Ave., Boston, Mass.
Carew Mfg. Co., South Hadley Falls, Mass.
Carey Brick Co., 133 W. Washington, Chicago, Ill.
Carey Bros., flour mills, Tatham Springs, Ky.
Carey Co., Thos. F., 120 Liberty St., New York.
Carey Co., W. W., 514 Broadway, Lowell, Mass.
Carey Const. Co., concrete piles, Cleveland, Ohio.

CAREY, GEORGE H., 1 Broadway, New York
Pres. & Treas.—Geo. H. Carey.
Sec.—A. D. Yacobellis.

Carey, J. B., stone producers, Convoy, Ohio.
Carey, J. D., Co., contractors, Citizens Bldg., Cleveland, Ohio.
Carey, J. F., contr. & stone producer, Winsted, Conn.
Carey, Jas., sash, door & blind mfr., Copenhagen, N. Y.
Carey, Jas. L., mill engineers, 208 N. Laramie Ave., Chicago, Ill.
Carey-Lombard, Young & Co., lumber mfrs., 22 W. Monroe, Chicago, Ill.
Carey, McFall Co., auto body hdwe. & lamps, 2154-8 E. Dauphin, Phila., Pa.
Carey Mach. Co., 5606 Curtiss Ave., Cleveland, Ohio.
Carey Machy. & Supply Co., 119 E. Lombard St., Baltimore, Md.

CAREY MFG. CO., PHILIP, 330 Wayne Ave., Lockland, Cincinnati, O.

Carey Ohio Porcelain Co., knobs, tubes & specialties, Carey, Ohio.
Carey-Reed Co., contrs., Lexington, Ky.
Carey Salt Co., Hutchinson, Kan.
Carey, Thos., & Sons, contrs., Clinton, Ia.
Cargill-Cleveland & Co., whip mfrs., Westfield, Mass.

Carhart Constr. Co., Atlantic Highlands, N. J.
Carhartt, Hamilton Cotton Mills of Georgia, overalls, Atlanta, Ga.
Carhartt, Hamilton Cotton Mills, overalls, Michigan ave. and 10th, Detroit, Mich.
Carhartt, Hamilton, Cotton Mills, Rock Hill, S. C.
Carill, Jesse E., ship bldrs., Northport, N. Y.
Carl & Sons, John H., 510 1st Ave., New York.
Carl, Max J., Machine Co., Blackstone bldg., Cleveland, Ohio.
Carland, J. C., & Co., contractors, Spitzen Bldg., Toledo, Ohio.
Carlaw Bros., granite producers, Sacramento, Cal.
Carlen Engineering Co., Keystone Bldg., Pittsburgh, Pa.
Carleton & Moffat, 91 Wall St., New York.
Carleton Canoe Co., Old Town, Me.
Carleton Co., contractors, 151 W. 42d, New York.
Carleton Co., socket wrenches, air brakes, alcohol torches, etc., 27 Com'l Ave., Boston, Mass.
Carleton, E. Everett, & Co., varnish gums, shellac, 99 Water, New York.
Carleton Furn. Co., Dept. H, Portland, Me.
Carleton, Norwood & Co., Rockport, Me.
Carley, C. R., patterns & models, 318 E. Water, Syracuse, N. Y.
Carley Heater Co., machsts. & fndrs., Olean, N. Y.
Carley, Ira, lumber, Ingalls, Mich.
Carlin & Fulton Co., wholesale hdwe., 309 Redwood, Baltimore, Md.
Carlin Co., Anthony, The, Cleveland, O.
Carlin, D. N., Co., toys, 127 Denniston, Pittsburgh, Pa.
Carlin Iron Wks., 310 W. 40th, New York.
Carlin Machine Co., John H., Sandusky & Lacock Sts., Pittsburgh, Pa.
Carlin, F. J., Constr. Co., 1123 Broadway, New York.
Carlin Steel Products Co., Com. Tr. Bldg., Philadelphia, Pa.
Carling Turbine Blower Co., 104 Harding St., Worcester, Mass.
Carlisle & Finch Co., 229 E. Cliff, Cincinnati, O.
Carlisle & Gale Co., exhaust & blow piping, 575 Albany, Boston, Mass.
Carlisle-Ayer Co., sash, door & blind, 55 Portland, Boston, Mass.
Carlisle Brick Co., Carlisle, Pa.
Carlisle, F. W. & F., Co., leather, Saginaw, Mich.
Carlisle Hardware Co., hardware, mill & facty. supplies, 324 Main, Springfield, Mass.
Carlisle Milling Co., flour, Carlisle, Ky.
Carlisle Packing Co., 1109 L. C. Smith Bldg., Seattle, Wash.
Carlisle-Pennel Lumber Co., Atchison, Kan.
Carlisle Rice Mill Co., Carlisle, Ark.
Carlisle Tire Corp., Stamford, Conn.
Carll Bros., canned goods, Waterboro, Me.
Carll Canning Co., Augusta, Me.
Carll's Sons, Chas. W. (sheet metal products), Cole & Linwood Sts., Trenton, N. J.
Carlon Construction Co., Oskaloosa, Iowa.
Carlon, F. K., ship chandlery & mill supplies, Norfolk, Va.
Carls, M. J., plasterers' floats, tools, 1929 S. Los Angeles, Los Angeles, Cal.
Carlsborg Mill & Timber Co., Carlsborg, Wash.
Carlson & Barger, scrap iron & steel, Northampton, Mass.
Carlson & Johnson, contrs., 4437 Stevens Ave., Minneapolis, Minn.
Carlson & Russ, machsts., 2319 Rich. Ter., Port Richmond, N. Y.
Carlson & Torell Co., contractors, 50 Dwight, New Britain, Conn.
Carlson, Aaron, sash, door & blind, 15th Ave. nr, Central Ave., Minneapolis, Minn.
Carlson, A. E., contractor, Kewanee, Ill.
Carlson Bros. Co., cornices, Superior, Wis.
Carlson, Ernest F., Co., contrs., Springfield, Mass.
Carlson Forgings Co., 733H Fulton, Chicago, Ill.
Carlson, G. A., & Co., contrs., Realty Bldg., Spokane, Wash.
Carlson-Hill Lumber Co., Tacoma Bldg., Tacoma, Wash.
Carlson Hoist & Mach. Co., hod. elev., 1074 St. Marks Ave., Brooklyn, N. Y.
Carlson, J. S., & L., Co., contractors, Montclair, N. J.
Carlson, L. M., woven wire mattresses, Grand Island, Neb.
Carlson Lbr. Co., Mineral, Wash.
Carlson, Norman, Co., highway contrs., Realty Bldg., Spokane, Wash.
Carlsted Bros., contractors, Bldrs. Exch., Minneapolis, Minn.
Carlton, E. G., & Sons, woolen flannels, Rochdale, Mass.
Carlton, F. W., dock bldrs., Woolwich, Me.
Carlton Consolidated Lbr. Co., Carlton, Ore.
Carlton Hardware Co., Calumet, Mich.
Carlton Machine Tool Co., Spring Grove & Meeker, Cincinnati, O.
Carlton Mills Co., bathing suit mfrs., Coral & Adams, Philadelphia, Pa.
Carlucci, Nicholas, stone prod., Albright Ave. & Prov. Rd., Scranton, Pa.
Carlyle Labold Brick Co., Portsmouth, O.
Carlyle Milling Co., flour, Carlyle, Ill.
Carlyle Paper Co., Carlyle, Ill.
Carlyle Paving Brick Co., Portsmouth, Ohio.
Carman & Fryer, freight elev., 113 N. Noble, Indianapolis, Ind.
Carman Mfg. Co., ash cans, Columbus, Ohio.
Carman Mfg. Co., mattresses, beds & machsts., H & 25th, Tacoma, Wash.
Carman-Thompson Co., Lewiston, Me.
Carmichael Constr. Co., Bowery & Main, Akron, Ohio.
Carmichael, David, pruning shears, gopher traps, etc., Sacramento, Cal.
Carmichael 8-in-1 Fuse Plug Corp., 300 E. 116th St., New York.
Carmichael Lumber Co., McDonough, Ga.
Carmichael, Wm. P., Co., contractors, Williamsport, Ind.
Carnahan Industrial Engnr, Co., auto wheels, 1555 Railroad Ave., Bridgeport, Conn.
Carnahan Mfg. Co., 305 Mill St., Loogootee, Ind.
Carnahan Tin Plate & Sheet Co., Canton, O.
Carnation Milk Products Co., canned goods, Seattle, Wash.
Carnegie Brick & Stone Co., Carnegie, Pa.
Carnegie Coal Co., bituminous, Oliver Bldg., Pittsburgh, Pa.
Carnegie Institute of Technology, engng. school & coll., Schenely Pk., Pittsburgh, Pa.
Carnegie, John L., & Son, contrs., 832 E. 90th St., Chicago, Ill.
Carnegie Steel Co., Carnegie Bldg., Pittsburgh, Pa.
Carnell, Wm., & Son, machsts. & fndrs., Glassboro, N. J.
Carnes Artificial Limb Co., 904 E. 12th, Kansas City, Mo.
Carnesville Gin & Milling Co., Carnesville, Ga.
Carney & Co., B. J., Grinnel, Ia.
Carney & Lindemuth, 40 Wall St., New York.
Carney Co., B. J., Peyton Bldg., Spokane, Wash.
Carney Lumber Co., Union Arcade Bldg., Pittsburgh, Pa.
Carney Mill Co., W. M., Atmore, Ala.
Carney Paper Co., Maumee, Ohio.
Carney, W. M., Mill Co., lumber, Atmore, Ala.
Carney's Cement Co., Mankato, Minn.
Carnick, R., scrap iron, Franklin, Pa.
Carnie Co., tents, 515 L, Sacramento, Cal.
Carnie-Goudie Mfg. Co., 22nd & Grand Ave., Kansas City, Mo.
Carolin, R. B., brass & composition fndrs., 3633 Military, Detroit, Mich.
Carolina Automobile Sup. House, Charlotte, N. C.
Carolina Bagging Co., Henderson, N. C.
Carolina Brick Co., Kingston, N. C.
Carolina Buggy Mfg. Co., Henderson, N. C.
Carolina Co., contrs., 330 Troyon, Charlotte, N. C.
Carolina Cross Arm Co., Elkin, N. C.
Carolina Feldspar Co., Asheville, N. C.
Carolina Fdry. & Mach. Co., Winston-Salem, N. C.
Carolina Fibre Co., Hartsville, S. C.
Carolina Lumber Mfg. Co., Realty Bldg., Charlotte, N. C.
Carolina Mach. Co., Fayetteville, N. C.
Carolina Machinery Co., Asheville, N. C.
Carolina Metal Co., babbitt metal, Shelby, N. C.
Carolina Metal Culvert Co., Salisbury, N. C.
Carolina Metal Products Co., The, Wilmington, N. C.
Carolina Mills, bags & bagging, Greenville, S. C.
Carolina Mineral Co., Penland, N. C.
Carolina Parlor Furn. Co., Dept. H, Statesville, N. C.
Carolina Phosphate Co., fertilizer mfrs., Greenville, S. C.
Carolina Pine Products Co., tar mfrs., Cleveland, Ohio.
Carolina Portland Cement Co., Charleston, S. C.
Carolina Spruce Co., Pensacola, N. C.
Carolina States Electric Co., Charlotte, N. C.
Carolina Steel & Iron Co., Greensboro, N. C.
Carolina Supply Co., Greenville, S. C.
Carolina Washboard Co., Raleigh, N. C.
Carolina Whol. Hdwe. Co., 1220 Pulaski, Columbia, S. C.
Carolina Wood Products Co., Asheville, N. C.
Carolina Woodenware Co., lard tubes, Fayetteville, N. C.
Carolinas Automobile Supply House, Charlotte, N. C.
Caroline Foundry Co., 723 S. Caroline St., Baltimore, Md.
Carolus Mfg. Co., Sterling, Ill.
Caron Granite Co., Milford, N. H.
Carondelet Fdy. Co., Inc., 2101 S. Kingshighway, St. Louis, Mo.
Carondelet Packing Co., meat, 8000 Ivory Ave., St. Louis, Mo.
Carondelet Planing Mill Co., 5826 S. Broadway, St. Louis, Mo.
Carothers, A. K., stone producers, Williamsport, Pa.
Carothers, Inc., Chas. B., Memphis, Tenn.
Carpenter & Bayles, handle mfrs., 75 Barclay, New York.
Carpenter & Co., B. G., Wilkes Barre, Pa.
Carpenter & Co., Cyrus, 325-327 Newberry St., Boston, Mass.
Carpenter & Co., Inc., Davis, 285 E. 134th St., New York.

CARPENTER & CO., GEO. B. (Railroad, Mill, Vessel & Contractors Supplies), 434 N. Wells St., Chicago.

Pres.—Benjamin Carpenter.
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Sec. & Treas.—Hubbard Carpenter.
Asst. Treas.—C. W. Commons.
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Carpenter & Paterson, 16 India Square, Boston, Mass.
Carpenter, A. L., lbr. mfrs., Cassville, N. Y.
Carpenter, A. N., landscape archt., Galesburg, Ill.
Carpenter Bros., lumber, Crandon, Wis.
Carpenter, C. N., Supply Co., The, mill & facty. supplies, 316 2d S. W., Canton, Ohio.
Carpenter, D. L., & Co., whol. hdwe., 652 Main, Cincinnati, Ohio.
Carpenter-Henderson Co., contrs., 118 N. La Salle, Chicago, Ill.
Carpenter, J. C., Fig Co., canned goods, Houston, Tex.
Carpenter, L. A., Press Metal Co., sheet metal, novelties, mfrs., 131 Munroe, Cambridge, Mass.
Carpenter Machine Co., Muncie, Ind.
Carpenter Mfg. Co., The, E. W., 1565 Railroad av., Bridgeport, Conn.
Carpenter Mfg. Co., R. F. (Now Sanymetal Products Co.), 984 E. 64th St., Cleveland, O.
Carpenter-Morton Co., 77 Sudbury, Boston, Mass.
Carpenter Steel Co., Reading, Pa.
Carpenter, T. A., & Sons, contractors, Bennington, Vt.
Carpenter Tap & Die Co., J. M., 17 Newell Ave., Pawtucket, R. I.
Carpenter-Tew Gear Co., 67 35th, Brooklyn, N. Y.
Carpenter, W. B., Co., catalog envelopes, 422 Main, Cincinnati, Ohio.
Carpenter, W. D., Co., sweeping compounds, disinfectants, etc., Syracuse, N. Y.
Carpenter, Wellington, Concord, N. H.
Carpenter, W. I., Lumber Co., 504 Lbr. Ex., Minneapolis, Minn.
Carper Fdry. & Machine Co., Mabscot, W. Va.
Carper, J. L., flour mills, Griffithsville, W. Va.
Carpp, S. M., canned goods, Hartford, Mich.
Carquerville Co., Walter M., 125 W. Ohio St., Chicago.
Carqueville Lithographing Co., 1050 Fullerton Ave., Chicago.
Carr & Baal Co., sashes, doors & blinds, Des Moines, Ia.
Carr & Co., S. R., Boston & Montford, Baltimore, Md.
Carr Company, The J. B., Troy, N. Y.
Carr Co., F. S. (Auto Top Cloth), 31 Beach St., Boston, Mass.
Carr-Cullen Co., sashes, doors, blinds, 10th Ave. N. E. & Marshall, Minneapolis, Minn.
Carr, F. J., & Co., leather, 202 Lincoln, Boston, Mass.
Carr Fastener Co., 31 Ames St., Cambridge, Mass.
Carr Fastener Co., Boston, Mass.
Carr Fastener Co. of Canada, Ltd., Hamilton, Ont., Can.
Carr, Geo. W., Co., contractors, 518 Main, Worcester, Mass.
Carr, H. J., & Co., contractors, Atlanta, Ga.
Carr, J. E., & Sons, cornices & skylights, Brockton, Mass.
Carr, Jas. W., Richmond, Va.
Carr, Jos., Co., machsts., 132 N. 7th, Philadelphia, Pa.
Carr, Loftus H., & Co., mattresses, 288 Flushing Ave., Brooklyn, N. Y.
Carr-Lowrey Glass Co., Westport Baltimore Co., Baltimore, Md.
Carr Lbr. Co., Pisgah Forest, N. C.
Carr, M. M., canned goods, Aberdeen, Md.
Carr, M. W., & Co., celluloid & metal novelties, West Somerville, Mass.
Carr Milling Co., flour, Hamilton, Ohio.
Carr Pail & Package Co., Ashby, Mass.
Carr, R. A., flour mills, Maysville, Ky.
Carr-Ryder & Adams, Dubuque, Ia.
Carr, W. C., & Son, contractors, Crawfordsville, Ind.
Carragher, F. J., sashes, doors & blinds, Belleville, N. J.
Carran, Lewis C., Co., lubricating oils & greases, Rockefeller Bldg., Cleveland, Ohio.
Carran, Richard B., & Sons, Co., machsts. & fndrs., Ludlow, Ky.
Carrara Paint Co., Barberton, Ohio.
Carre Co., W. W., 317 Baronne St., New Orleans, La.
Carriage & Toy Co., of Baltimore City, 737 W. Lombard, Baltimore, Md.
Carriage Co., U. S., Columbus, O.
Carrib Mfg. Corp., 46 Stone St., Rochester, N. Y.
Carrice Stone Co., Rockford, Ill.
Carrier Air Conditioning Co. of America, 490 Bivay, Buffalo, N. Y.
Carrier Cutlery Co., Elmira, N. Y.
Carrier, E. T., cornices, South Manchester, Conn.
Carrier Engineering Corp., 750 Frelinghuysen Ave., Newark, N. J.
Carrier, F. P., machst., Edgerton, Wis.
Carrier Lumber & Mfg. Co., Sardis, Miss.
Carrington & Co., 42 Walnut St., Newark, N. J.
Carruthers & Co., 223 W. Madison St., Chicago.
Carron Elec. Co., St. Louis, Mo.
Carroll & Jamieson Mach. Tool Co., The, Batavia, O.
Carroll & Son, H. C., 67th & Gibson St., Philadelphia, Pa.
Carroll & Sons, P., 1406-10 Fairmount Ave., Philadelphia, Pa.
Carroll, A. P., Machine Co., machsts. & fndrs., 92 Broadway, Cambridge, Mass.
Carroll Box & Lumber Co., 629 E. 18th, New York.
Carroll Bros., canned goods, Havre de Grace, Md.
Carroll Bros., cornices, Lowell, Mass.
Carroll Bros. & Co., brush mfrs., 415 W. Baltimore, Baltimore, Md.
Carroll Castings Co., East Chicago, Ind.

CARROLL CHAIN CO., THE, 265 Hesack St., Columbus, Ohio.

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Treas.—G. G. McAlister.
Secy.—J. M. White.

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Carroll Co., J. B., 319 N. Albany Ave., Chicago.
Carroll Contracting Co., Wainwright Bldg., St. Louis, Mo.
Carroll Electric Co., 514 12th St., N. W., Washington, D. C.
Carroll Foundry & Machine Co., Bucyrus, Ohio.
Carroll, G. E., Sand Co., White Bldg., Buffalo, N. Y.
Carroll, J. E., Sand Co., White Bldg., Buffalo, N. Y.
Carroll, Jos. L., mill & facty. supplies, Winsted, Conn.
Carroll Lumber Co., J. T., Butte, Mont.
Carroll, L. W., & Son, mill & facty. supp., Norwich, Conn.
Carroll, M. F., & Sons Co., carriages, Hillsboro, Ohio.
Carroll Mfg. Co., L. W., Batavia, O.
Carroll, Michael A., elec. contr., Waterbury, Conn.
Carroll Motor Car Co., Strasburg, Pa.
Carroll, W. A., Co., mill & facty. supplies, 548 Howard, San Francisco, Cal.
Carroll, William A., carriages, 229 Hawthorn, New Bedford, Mass.
Carrollton Nov. Co., mechl. toys, Carrollton, Ohio.
Carrollton Pottery Co., Carrollton, Ohio.
Carrtolltown Coal Co., bituminous, St. Benedict, Pa.
Carrom Co., toy nov., Ludington, Mich.
Carron Machine Co., A. M., Penn & Barbeau Sts. (now American Electric Air Pump Co.), Pittsburgh, Pa.
Carruth, J. G., & Co., woolen flannels, Indiana Ave. & Rosehill, Philadelphia, Pa.
Carruther-Fithian Clutch Co., Grove City, Pa.
Carruthers, Robt., Co., textile machy., Lowell, Mass.
Carscallen Bros., contractors, Coeur D'Alene, Idaho.
Carscallen Drainage & Const. Co., Coeur d'Alene, Idaho.
Carson & Furman, contractors, Haverstraw, N. Y.
Carson Bros., common brick, Vancouver, Wash.
Carson, C. A., Co., contrs., 7016H Euclid Ave., Cleveland, Ohio.
Carson Glove Co., 544 Market, San Francisco, Cal.
Carson-Newton Co., 21 Prospect St., Newark, N. J.
Carson Pirie Scott Co., (Wholesale), Adams and Franklin Sts., Chicago.
Carson-Rowell Co., babbitt metal, Appleton, Wis.
Carstens Bros., whol. hdwe. & iceless refrigerators, Dept. H, Ackley, Iowa.
Carstens, H., Mfg. Co., surgical instruments, 567 W. Lake, Chicago, Ill.
Carstens Packing Co., 304 Davis St., San Francisco, Calif.
Carstens Packing Co., meat, Tide Flats, Tacoma; E. Broadway & Regal, Spokane; Western Ave. & Marion, Seattle, Wash.
Carstens Packing Co., Tacoma, Wash.
Carswell, David, killers, fly swatters, St. Joseph, Mo.
Carswell, Wetmore & Co., granite, Barre, Vt.
Cart-Blox Company, 2217-21 Lucas Ave., St. Louis, Mo.
Carter & Bro., W. T., Camden, Tex.
Carter & Bucholz Co., Inc., disc grinders, 1234 S. State, Syracuse, N. Y.
Carter & Campbell, Winchendon, Mass.
Carter & Hakes Machine Co., Winsted, Conn.
Carter, A. S., 531 16th St., Denver, Colo.
Carter, B. L., canned goods, Stone Mountain, Va.
Carter Bell Mfg. Co., 150 Nassau St., New York.
Carter Bloxonend Flooring Co., 1303 R. A. Long Bldg., Kansas City Mo.
Carter Bros., contractors, Danville, Ill.
Carter Bros. Mattress Co., Chattanooga, Tenn.
Carter, C. E., Co., toys, Erie, Pa.
Carter, C. W. H., 8 Ferry St., New York.
Carter Carburetor Co., 2840 N. Spring St., St. Louis, Mo.
Carter Coal Co., Coalwood, W. Va.
Carter Co., Frank, Menomonie, Wis.
Carter Co., J. F., Beverly, Mass.
Carter Company, Ralph B., 152 Chambers St., New York.
Carter Co., The Wm., Needham Heights, Mass.
Carter, David T., & Co., lbr., Bush & Nanticoke, Baltimore, Md.
Carter, Donlevy & Co., tin plate, metals, etc., 1012 Cherry, Philadelphia, Pa.
Carter, E. T., machst. & fndr., Plainville, Conn.
Carter Electric Co., W. E., Atlanta, Ga.
Carter Elec. Co., alternating current rectifiers, etc., Atlanta, Ga.
Carter, F. R., brick, Peoria, Ill.
Carter, Geo. A., tacks, Brockton, Mass.
Carter, Geo. H., Co., wood mantels, 460 Harrison, Boston, Mass.
Carter, Geo. R., Co., auto belts, Connersville, Ind.
Carter, Gough & Co., silver nov., 9 Maiden Lane, New York.
Carter, H. W., Paper Co., confetti, 237 Chestnut, Springfield, Mass.
Carter, Horace A., carbonators & soda fountains, 400 E. Marshall, Richmond, Va.
Carter, J. A., packing boxes, Petersham, Mass.
Carter, J. N., turpentine, Meigs, Ga.

Carter, J. W., Co., cornices & skylights, Manchester, Mass.
Carter-Kelly Lumber Co., Manning, Tex.
Carter-Lee Lumber Co., sash, door & blind mfrs., 1621 W. Washington, Indianapolis, Ind.
Carter Lbr. Co., Cotton Plant, Ark.
Carter Lumber Co., C. J., 1303 R. A. Long Bldg., Kansas City, Mo.
Carter Mfg. Co., Keokuk, Ia.
Carter Milling Co., flour, Democrat, N. C.
Carter Paint Co., paints, Liberty, Ind.
Carter, R. K., & Co., mill supplies, 1304-1306 Commonwealth Bldg., Pittsburgh, Pa.

CARTER RADIO COMPANY—209 S. State St., Chicago.
Pres.—A. J. Carter.
V. P. & Treas.—Theodore Sheldon.
Sec.—Henry A. Gardner.
District Representatives:
CAL.—San Francisco—Atlantic-Pacific Agencies Corp., 204-212 Rialto Bldg.
COLO.—Denver—E. P. O'Fallon, 1420 Sixteenth St.
GA.—Atlanta—The Hartzell Sales Co., 302 Flat-iron Bldg.
MASS.—Boston—G. K. Thompson, 25 Huntington Ave.
MINN.—Minneapolis—A. A. Hume, 217 Kasota Bldg.
MO.—St. Louis—R. W. Bennett, 1326 Syndicate Trust Bldg.
N. Y.—New York—P. W. Mack, 1270 Broadway.
Syracuse—The Hartzell Sales Co., 1615 W. Genesee St.
PA.—Philadelphia—The Hartzell Sales Co., 623 Victory Bldg.
Pittsburgh—The Hartzell Sales Co., 708 Granite Bldg.
TEX.—Dallas—The Hartzell Sales Co., 2005 Main St.
W. VA.—Huntington—The Hartzell Sales Co., 1028 Fourth Ave.
Distributors:
CAL.—Los Angeles—Braun Corp., 363 New High St., Trinity 6031.
The Electric Corp., 836 S. Los Angeles Ave., Metropolitan 0624.
Leo. J. Meyberg Co., 956 S. Flower St., Trinity 1885.
Radio Concert Equipment Co., 946 S. Flower St., Vandike 4363.
San Francisco—Alexander & Lavenson Elec. Supply Co., 132 2nd St., Sutter 2097.
Electric Appliance Co., 807 Mission St., Sutter 4900.
Fobes Supply Co., 523 Mission St., Karny 5780.
United Radio Supplies Co., 3rd & Mission Sts.
Western X-Ray & Equipment Co., 361 Hayes St., Park 5800.
COLO.—Denver—Hendrie & Bolthoff Mfg. & Supply Co., 1635 17th St., Main 75.
Reynolds Radio Co., 1534 Glenarm St., Champa 7254.
Rocky Mountain Radio Corp., 1512 Broadway, Main 1069.
Winner Radio Corp., 1435 Welton St., Champa 6868.
D. C.—Washington—Wm. P. Boyer & Co., 812 13th St., N. W., Main 7987.
FLA.—Jacksonville—Arnold& Edwards Piano Co., 45 W. Forsyth St., Phone 2640.
GA.—Atlanta—Carter Electric Co., 24 Haynes St., Main 6172.
Gilham—Schoen Electric Co., 22 Luckie St., Walnut 5806.
ILL.—Chicago—Harry Alter & Co., 344 N. Ogden Ave., Monroe 7113.
Automobile Supply Co., 1601 S. Michigan Ave., Calumet 4330.
Beckley-Ralston Co., 1801 S. Michigan Ave., Calumet 7140.
Chicago Electrical Supply Co., 360 W. Madison St., Franklin 2767.
Chicago Radio Apparatus Co., 415 S. Dearborn St., Harrison 2276.
Commonwealth Edison Co., 72 W. Adams St., Randolph 1280.
Electric Service Products Co., 10 S. Wells St., State 5747.
Hudson-Ross, 123 W. Madison St., Randolph 2100.
Illinois Electric Co., 312 W. Madison St., Main 4450.
Inland Electric Co., 14 N. Franklin St., Main 4820.
Izenstark Radio Co., 509 S. State St.
Lynn Radio Co., 220 S. State St.
Manhattan Electric Supply Co., 114 S. Wells St., Franklin 2081.
Newark Electric Co., 230 W. Madison St., Main 4627.
Steiner Electric Co., 210 S. Desplaines St., Monroe 7414.
Triangle Electric Co., 160 W. Lake St., Main 4568.
Wakem & McLaughlin, 225 E. Illinois St., Central 6241.
Rockford—Swords Bros., 627 7th St., Main 4048.
Rock Island—Beardsley Specialty Co.
IA.—Des Moines—Bernhard & Turner Auto Co., 574 Seventh St.
Herring Motor Co., 108 10th St.
Ottumwa—Hardscog Mfg. Co.
Sioux City—McGraw Co., 517 Fifth Ave.
KY.—Louisville—Bourne & Bond, Inc., 317 W. Market St., Main 905.
Sutcliffe Co., 220 S. Fourth St., Main 655.
LA.—New Orleans—Interstate Electric Supply Co., Baronne at Perdido, Main 704.
ME.—Bangor—Rice & Miller Co., 28 Broad St.
Lewiston—Wade & Dunton, Inc., 26 Park St.
MD.—Baltimore—Jos. M. Zamoiski Co., 19 W. Liberty St., Plaza 5625.
MASS.—Boston—Chandler & Farquhar Co., 250 Devonshire St., Main 7670.
Hub Cycle Co., 19 Portland St., Haymarket 3890.
Pettingell-Andrews Co., 51 Atlantic Ave., Congress 4200.
MICH.—Detroit—Detroit Electric Co., 113 E. Jefferson St.
MINN.—Duluth—Kelly-How-Thomson, So. 5th Ave., Melrose 1100.
Minneapolis—Peerless Electric Co., 227 S. Fifth St., Geneva 2686.
Sterling Electric Co., 31 S. Fifth St., Main 2162.
St. Paul—Northwestern Elec. Equipment Co., 174 E. Sixth St., Interior 1140.
MO.—Kansas City—American Radio Mfg. Co., 107 E. 13th St., Harrison 9483.
Sterling Radio Co., 14th & Walnut Sts., Harrison 0668.
St. Joseph—American Electric Co., 214 S. 8th St.
St. Louis—McGraw Co., 2018 Locust St.
Manhattan Electric Supply Co., 1106 Pine St., Olive 5075.
Van Ashe Radio Co., 210 N. Tenth St.
MONT.—Billings—F. B. Connelly Co., 423 N. Broadway.
NEB.—Lincoln—Korsmeyer Co., 1329 N. St.
Omaha—McGraw Co.
NEV.—Reno—N. H. Squire, c/o Nevada Storage Battery Co.
N. J.—Newark—Wholesale Radio Equipment Co., 24 William St.
N. Y.—Buffalo—Roth & Zillig, Inc., 1063 Main St., Tupper 3515.
New York—Amsco Products, Inc., 416 Broome St.
Automotive Elec. & Dist. Co., 57 Warren St.
Clark & Tilson, 1 E. 42nd St., Vanderbilt 5462.
Manhattan Electric Supply Co., 17 Park Pl., Barclay 6900.
Melson & Hamburger, 87 Duane St.
Sunbeam Radio Corp., 1834 Broadway.
Rochester—Robertson-Cataract Elec. Co., 186 N. Clinton St.
Syracuse—Robertson-Cataract Elec. Co., 351 W. Fayette St.
N. D.—Bismarck—Quanrud, Brink & Reibold, 206 Fourth St.
Fargo—Fargo Plumbing & Heating Co., 123 Broadway.
Pioneer Electric Corp., 12 Roberts St.
OHIO—Cincinnati—Ainsworth-Gates Co., 6th Ave. & Main St.
Cleveland—Cleveland Products Co., 714 Huron Road, Cherry 1671.
PENN.—East Pittsburgh—United Electric Stores Co., 156 Electric Ave.
Harrisburg—Harrisburg Electrical Supply Co., 24 S. Second St.
Philadelphia—General Radio Corp., 128 Tenth St.
Trilling & Montague, 44 N. 7th St.
Pittsburgh—The O. M. C. Supply Co., 138 Ninth St.
U. S. Radio Co., Penn, Inc., Ferry & Diamond Sts.
Reading—A. Kagen, 705 Penn St.
TENN.—Knoxville—Knoxville Electric Co., 622 Gay St., Phone 230.
Memphis—Orgill Bros. Co., 505 Tennessee, Main 5106.
Nashville—Herbrick & Lawrence, 607 Church St., Main 1405.
TEX.—Dallas—C. C. White Electric Co., 1933 Commerce St.
VA.—Norfolk—Reliance Electric Co., 526 Harrington Ave.
W. VA.—Charleston—Charleston Electric Supply Co., 910 Kanawha St.
WIS.—Milwaukee—Julius Andrea & Sons Co., 358 Broadway, Broadway 4900.

Carter, Rice & Co., 246 Devonshire, Boston, Mass.
Carter Sheet Metal Co., Omaha, Neb.
Carter, Shepherd Milling Co., flour, Hannibal, Mo.
Carter-Travis Co., sash, door & blind, Seymour, Ind.
Carter White Lead Co., 12042 So. Peoria St., Chicago.
Carter Wire Fence Machine Co., Mt. Sterling, O.
Carteret Lbr. Co., Beaufort, N. C.
Carter's Ink Co., 41 Cambridge, Boston, Mass.
Carter's, J. S., Sons, machsts. & fndrs., Danville, Va.
Carthage Board & Paper Co., Carthage, Ind.
Carthage Cotton Oil Co., Carthage, Tex.
Carthage Foundry & Machine Wks., Inc., Carthage, Mo.
Carthage Mach. Co., Carthage, N. Y.
Carthage Marble Wks., Carthage, Mo.
Carthage Quarry Co., see Steadley, F. W., & Co. (successors)
Carthage Quarry Co., Carthage, Mo.
Carthage Stone Co., Carthage, Mo.
Carthage Sulphite Pulp & Paper Co., Carthage, N. Y.
Carthage Superior Marble & Limestone Co., Carthage, Mo.
Carthage Superior Spring Bed Mfg. Co., Carthage, Mo.
Carthage Tissue Paper Mills, Carthage, N. Y.
Cartmell, Thos. B., Paint & Glass Co., 6th & Madison, Wilmington, Del.
Carton Corp., folding boxes, etc., 645H Brannan, San Francisco, Cal.
Carton Belting Co., 52 Everett St., Boston, Mass.
Cartridge Mechanical Corp., radiators & welding, 219 W. 12th, Los Angeles, Cal.
Cartridge Radiator Core Co., water cooled radiators, 919 Folsom, San Francisco, Cal.
Cartwright Bros. Co., crockery, East Liverpool, Ohio.
Cartwright, J. M., shears, Malaga, Cal.
Cartwright, Thos. Edgar, masons' & bldrs.' matls., Summitville, Ind.
Carty-Dever Co., meat packers, Rockford, Ill.

CARUS CHEMICAL CO., La Salle, Ill.

Carver Co., C. R., 20th & Clearfield, Philadelphia, Pa.
Carver, Fred S., 8 W. 40th St., New York.
Carver, J. C., & Co., canned goods, Marumoco, Md.
Carver Tool Works, Spring Valley, N. Y.
Carver, V. G., 2008 E. Taylor, Portland, Ore.
Carver Wagon Co., Morristown, Tenn.
Cary Brick Co., Mechanicsville, N. Y.
Cary, F. S., & Co., granite producers, Zanesville, Ohio.
Cary, Jas. H., elec. drills, 51 Cross, Portland, Me.
Cary, L. K., Co., wholesale hdwe., Ft. Fairfield, Me.
Cary Lbr. Co., Durham, N. C.

CARY MFG. CO., Nassau & Jay St., Brooklyn, N. Y.
Branch Offices:
Chicago, Ill.—1739 N. Wells St.
Philadelphia, Pa.—Arch & N. 4th St., H. G. Hanline.
San Francisco, Cal—436 Bathery St., C. Solomon, Jr.
Distributors:
FLA.—Lakeland—Mine & Mill Supplies Co.
Foreign Offices:
London, E. C., Eng.—Messrs. W. P. Notcutt, Ltd., 8 White, Moorfields.
Sydney, Australia—Alex W. Stitt & Co., 127 Yorke.
Barcelona, Spain—J. Bassas Lauria 93.

Cary Safe Co., 1200 Niagara St., Buffalo, N. Y.
Cary Spring Works, Inc., 240 W. 29th St., New York.
Caryl, A. H., Ibr., 5804 Harper Ave., Chicago, Ill.
Casanave Supply Co., contrs.' & mine supplies, 1933 Market, Philadelphia, Pa.
Casavant Bros., organs, South Haven, Mich.
Cascade Coal & Coke Co., bituminous, Buffalo, N. Y.
Cascade Foundry Co., Erie, Pa.
Cascade Lumber Co., North Yakima, Wash.
Cascade Paper Co., Stellacoon, Wash.
Cascade Pipe & Flume Co., 2839 W. Florida, Seattle, Wash.
Cascade Sheet Metal Works, cornices & skylights, Seattle, Wash.
Cascade Timber Co., poles & piling, Tacoma, Wash.
Cascio, S., marble interior wk., 1259 Flushing Ave., Brooklyn, N. Y.
Case & Cothran, contractors, Atlanta, Ga.
Case & Crotser, lumber, Kingsley, Mich.
Case & Kroenlien, horse collars, Peoria, Ill.
Case & Marshall, paper, Burnside, Hartford, Conn.
Case & Risley Press Paper Co., binders' boards, Oneco, Conn.
Case & Sons Cutlery Co., W. R., Bradford, Pa.
Case & Sons, Levi, Schenectady, N. Y.
Case & Son Mfg. Co., W. A., 31 Main St., Buffalo, N. Y.
Case Co., A. Willard, Manchester, Conn.
Case Board Co., Andover, Conn.
Case Bros., Highland Park, Conn.
Case Canning Co., Marshfield, Mo.
Case-Fowler Lumber Co., Macon, Ga.
Case Furnace Co., see Western Fdry. & Furnace Co. (successors)
Case Hardening Service Co., 2281 Scranton, Rd., Cleveland, O.
Case, Jasper D., lumber, Rushville, Ind.
Case Mfg. Co., paper & pulp mill, Unionville, Conn.
Case Mfg. Co., portable bldgs., 114 Liberty, Jackson, Mich.
Casein Mfg., Co., 13 Park Row, New York.
Case Plow Works, J. I., Racine, Wis.
Case-Shingle & Lumber Co., Raymond, Wash.
Case Threshing Machine Co., J. I., Racine, Wis.
Case, W. J., & Son, contractors, Saratoga Springs, N. Y.
Casement Hardware Co., 230 E. Ohio St., Chicago.
Casey & Broderick, stone prod., 523 State, Springfield, Mass.
Casey & Sons Corp., M. M., 442 W. 49th St., New York.
Casey-Childs Shingle Co., Sedro Wooley, Wash.
Casey Co., John A., 50 Church St., New York.
Casey, F. A., Co., automobile bldrs., Billerica, Mass.
Casey-Hedges Co., The, Chattanooga, Tenn.
Casey Lbr. Co., Meacham, Ore.
Casey Machine Co., D. L., Springfield, O.
Casey, Richard H., Inc., contr., 246 W. 16th, New York.
Casey Trunk Co., 224 W. 35th, New York.

CASH, A. W., CO., valves, regulators, etc., Dept. H, Decatur, Ill.

Cash Company, A. W., 250 E. Wood st., Decatur, Ill.
Cash, Inc., J. & J., South Norwalk, Conn.
Cash Mercantile Co., adding machs., 326 Market, San Francisco, Cal.
Cashen, John J., & Sons, steam fitters' supplies, Meriden, Conn.
Cashion, J. B., & Sons, mattresses, Cornelius, N. C.
Cashman & McCarthy, cornices, 872 W. Fayette, Syracuse, N. Y.
Cashman Bros. Co., contractors, Newburyport, Mass.
Cashman Tool Company, Waynesboro, Pa.
Cashmere Lbr. Co., Cashmere, Wash.
Casket Hdwe. Mfg. Co., 2614 W. Warren, Detroit, Mich.
Casket Interment Box Co., 4854 N. Clark, Chicago, Ill.
Caskey & Keen (Harmony Stove Works), gray iron castings, Dept. H, 6th & Berks, Philadelphia, Pa.
Caskey, C. R., Lbr. Co., 799 Broadway, New York.
Caskey-Dupree Mfg. Co., Marietta, O.
Casmento Specification Roofing Co., 103 Park Ave., New York.
Casna, J., & Co., granite, Quincy, Mass.
Cason-Monk & Co., hardware—wholesale, Nacogdoches, Tex.
Caspar Lumber Co., Hobart Bldg., San Francisco, Cal.
Casper, J., Burlap Bag Mfg. Co., Fitzgerald, Ga.
Casper Supply Co., Casper, Wyo.
Casparis Stone Co., Clinton Bldg., Columbus, O.
Casper & Sons, Arnold, Cullman, Ala.
Cass, B. T., & Co., picture frame mouldings, 2057 Emerson Ave., Chicago, Ill.
Cass & Co., Philip, 40 N. Fifth St., Philadelphia, Pa.
Cass Foundry Co., 2501 E. 25th, Los Angeles, Cal.
Cass Mfg. Co., oven steam tables & hotel ranges, 332 S. Spring, Los Angeles, Cal.
Cass, N. D., Co., nov. toys & games, Athol, Mass.
Cassady, D. L., & Co., flour, Williamsport, W. Va.
Cassady-Fairbank Mfg. Co., 6126 La Salle St., Chicago. (See Washburn Co.)
Cassard & Co., Hamilton, Holliday & Pleasant Sts., Baltimore, Md.
Cassco Bar-Metallic Packing Co., 3559 Lincoln Ave., Chicago.
Casse, Jos., steel & pig iron, 369 Pine, San Francisco, Cal.
Cassel, A. A., Metal Co., scrap iron, 306 Milwaukee, Milwaukee, Wis.
Casselman, C. W., cornices, Alliance, Ohio.
Casselman, T. & E., (Paper Boxes), 356 W. 18th St., New York.
Cassell, Fred, wood carving tools, Grand Rapids, Mich.
Cassell, Jacob C., 915 Arch, Philadelphia, Pa.
Cassetty Oil & Grease Co., Nashville, Tenn.
Cassidy & Gallagher, contrs., 73 Elm, Albany, N. Y.
Cassidy, Chas. J., Co., contrs., 518 Webster, Washington, D. C.
Cassidy Co., Inc., Edward A., 25 W. 43d St., New York.
Cassidy Co., Inc., Long Island City, N. Y.
Cassidy Mfg. Co., plbrs.' supplies, 1396 E. 65th, Cleveland, Ohio.
Cassini Mosaic & Tile Co., 1027 Broadway, Cincinnati, O.
Casson, Robt. H., fndrs., Paterson, N. J.
Cast, Alfred, boiler settings, 20 Beacon, Boston, Mass.
Cast Iron Pipe Publicity Bureau, The, 122 S. Michigan Ave., Chicago.
Castagnos Cane Loader Co., Inc., Donaldsonville, La.
Castalia Portland Cement Co., Publication Bldg., Pittsburgh, Pa.
Castanedo Water, power plant contr., 1101 Hennen Bldg., New Orleans, La.
Castle & Co., A. M., 1132 Blackhawk St., Chicago.
Castle & Wilson, Arrott Bldg., Pittsburgh, Pa.
Castle, A. M., & Co. of Wash., iron & steel merchants, 32 W. Connecticut, Seattle, Wash.
Castle, Inc., James M., 1213 Arch St., Philadelphia, Pa.
Castle Kid Co., Camden, N. J.
Castle, Montague, London Co., glass stainers, 126 6th Ave., New York.
Castle Refrigerating Mach. Co., 138 S. Neal, Indianapolis, Ind.
Castle Co., Wilmot, 1155 University Ave., Rochester, N.Y.
Castleberry & Flewellen Planing Mill Co., Longview, Tex.
Castner, J. P., stone, Changewater, N. J.
Castolene, Inc., lubricating oils, 798 Minnesota, San Francisco, Cal.
Cataract City Milling Co., flour & feed mills, Niagara Falls, N. Y.
Catasauqua Gong & Stamping Wks., Catasauqua, Pa.
Catawba Fertz. Co., Lancaster, S. C.
Catchpole Fdry. Corp., Geneva, N. Y.
Cate, James, & Son Co., flour mills, Hopkinsville, Ky.
Cate-La Nieve Co., cooperage stock, Bank of Commerce & Trust Bldg., Memphis, Tenn.
Catelain, A. G., hose clamps, 2157 Blue Island Ave., Chicago, Ill.

Cately & Ettling, auto top & carriage bows, Cortland, N. Y.
Cates, H. M., & Son, machsts. & fndrs., Houlton, Me.
Cathedral Candle Co., Syracuse, N. Y.
Cathell Bros. & Co., steel plate wk., etc., Fort Ave. & Lawrence, Baltimore, Md.
Cathrein Mfg. Co., skate straps, 1824 Linden, Brooklyn, N. Y.
Cating Rope Wks., Maspeth, N. Y.
Catlin, Elmer H., Co., elec. lighting fixtures, 309H 13th, N. W., Washington, D. C.
Catlin, W. J., & Bro., dry docks & marine rys., Whitehaven, Md.
Caton, Walker, contr., 446 S. 19th, Terre Haute, Ind.
Caton, William, & Son, engineers & contrs., 212 Arcade Bldg., Terre Haute, Ind.
Catskill Cement Co., Cementon, N. Y.
Catskill Fdry. & Mach. Works, Catskill, N. Y.
Cattaraugus Cutlery Co., Little Valley, N. Y.
Cattaraugus Tanning Co., leather, 321A (S. B.), Boston, Mass.
Cattie Bros. Co., galvanizing & tinning, 1706 N. Howard, Philadelphia, Pa.

CATTIE, J. P., & BROS., INC., galvanizing works, Gaul & E. Letterly, Philadelphia, Pa.

Catz American Co., Inc., crude rubber imp., 35 S. William, New York.
Cauble, H. W., cornices, 130 N. Wells, Chicago, Ill.
Cauldwell, Wingate Co., contractors, 381 4th Ave., New York.
Caulkins, H. J., & Co., china kilns, State & Griswold, Detroit, Mich.
Caulkins, W. E., & Son, contractors, 327 Trmblls, Hartford, Conn.
Cauter, E. A., pocket knife cases, 204 Church, New York.

CAVAGNARO, JOHN J., textile machy., etc., Harrison, N. J.

Cavanagh, John, & Son, contrs., 473 Dorchester Ave., Boston, Mass.
Cavanaugh, J. H., & Sons, lumber, Anacortes, Wash.
Cavanaugh Packing Co., meat, Muncie, Ind.
Cave Welding & Mfg. Co., 455 Worthington St., Springfield, Mass.
Cavicchi Polishing Machy. Co., floor surfacing machs., 62 Walnut, Dorchester, Boston 22, Mass.
Cavin, F. T., switch boxes, 400 West Ave. 26, Los Angeles, Cal.
Cavitt, J. H., lbr., Camas, Wash.
Caward Est., R. S., Crasco, Ia.
Cawood Novelty Mfg. Co., advtg. novelties, fly killers, Danville, Ill.
Caw's Pen & Ink Co., 30 Church, New York.
Caxton Co., Caxton Bldg., Cleveland, O.
Caxton School Supply Co., 2345 S. La Salle St., Chicago.
Cayce Milling Co., flour, Cayce, Ky.
Cayuga Cement Corp., Portland Point, N. Y.
Cayuga Linen & Cotton Mills, Auburn, N. Y.
Cayuga Milling Co., feed, Cayuga, Ind.
Cayuga Packing & Mfg. Co., Cayuga, Ind.
Cayuga Rock Salt Co., Inc., Myers, N. Y.
Cayuta Mfg. Co., Sayre, Pa.
Caywood, Charles S., (Bale Ties) Albany, N. Y.
Cazenovia Canning Co., Cazenovia, N. Y.
Cecil Lbr. Co., Orvisburg, Miss.
Cedar Bluff Roller Mills, flour, Cedar Bluff, Va.
Cedar City Mills, flour, Lebanon, Tenn.
Cedar Falls Canning Co., Cedar Falls, Iowa.
Cedar Glenn Canning Co., Bedford, Va.
Cedar Grove Mfg. Co., cotton towels, 65th Ave. & 21st, Philadelphia, Pa.
Cedar Hill Roller Mill, flour mills, Cedar Hill, Tenn.
Cedar Rapids Canning Co., Cedar Rapids, Iowa.
Cedar Rapids Carriage Works, Cedar Rapids, Iowa.
Cedar Rapids Cornice Works, Cedar Rapids, Ia.
Cedar Rapids Fdry. & Mach. Co., Cedar Rapids, Ia.
Cedar Rapids Lumber Co., Cedar Rapids, Iowa.
Cedar Rapids Mfg. Co., Cedar Rapids, Ia.
Cedar Rapids Pump Co., Cedar Rapids, Iowa.
Cedar Rapids Sash & Door Co., Cedar Rapids, Iowa.
Cedar River Lumber Co., 914 Plymouth Bldg., Minneapolis, Minn.
Cedar Shingle Co., lumber, Elbe, Wash.
Cedar Springs Mfg. Co., lumber, Adairsville, Ga.
Cedar-Sweep Co., sweeping compound, Los Angeles, Cal.
Cedar-Sweep Co., The, 715-717 Brannan St., San Francisco, Cal.
Cedar Tool & Gage Corp., designers & bldrs. of special machy. jig & fixtures & gages, 1862 State., Bridgeport, Conn.
Cedarburg Canning Co., Cedarburg, Wis.
Cedarburg Wire & Wire Nail Co., Cedarburg, Wis.
Cedarburg Woolen Mills, woolen blankets, Cedarburg, Wis.
Cedarine Co., furn. polish, Clinton, N. Y.
Cedarstrand, Aug., & Co., contractors, 984 Central Ave., Minneapolis, Minn.
Cedartown Fdry. & Mach. Co., Cedartown, Ga.
Cedartown Iron Co., blast furnaces, Cedartown, Ga.
Cederquist Show Case & Fixture Co., 421 Colyton, Los Angeles, Cal.
Celro Pasco Mining Co., 15 Broad, New York.
Celebrated Scaffold Brackett Co., 2742 W. Van Buren St., Chicago.
Celina Brick Mfg. Co., Celina, Ohio.
Celina Machine Works, Celina, Ohio.
Celina Mfg. Co., machinists, Celina, Ohio.
Celina Specialty Co., metallic furniture, Celina, Ohio.
Celina Stearic Acid Co., Celina, Ohio.
Celite Products Co., insulation & filtering materials, 53 W. Jackson Blvd., Chicago, Ill.
Celite Products Co., insulation, Van Nuys Bldg., Los Angeles, Cal.
Celloklay Mfg. Corp., 309 Lafayette St., New York.
Celluloid Co., The, 30-36 Washington Pl., New York.
Celluloid Starch Co., 45 W. 18th St., New York.
Celluloid Zapon Co., 247 Park Ave., New York.
Celmans Bros., furniture, Dept. H, Chattanooga, Tenn.
Celotex Company, The (Insulating Mat'l) 645 N. Michigan Ave., Chicago.
Cement & Engng. News, trade publication, 130 N. Wells, Chicago, Ill.
Cement Casket Mfg. Co., Albion, Mich.
Cement Finish Co., waterproofing materials, 103 Park Ave., New York.
Cement-Gun Co., Allentown, Pa.
Cement Gun Constr. Co., 25 Church St., New York.
Cement-Gun Construction Co., 537 S. Dearborn, Chicago, Ill.
Cement-Gun Co., Cornwells Heights, Bucks Co., Pa.
Cement Mill & Quarry, trade publication, Monadnock Bldg., Chicago, Ill.
Cement Machy. Co., Jackson, Mich.
Cement Products Co., Wilmington, N. C.
Cement Tools Co., 625 Turner, Los Angeles, Cal.
Centadrink Filters Co., 18 W. 18th, New York.
Centaur Lime Co., Centaur Station, Mo.
Centaur Lime Co., 3852 Market St., St. Louis, Mo.
Centennial Cotton Gin Co., Dept. H, Columbus, Ga.
Centennial Mill Co., farina, Seattle, Wash.
Centennial Mill Co., feed, Avoca, Iowa.
Center Point Canning Co., Center Point, Iowa.
Center Shaft Penholder Co., Hanover, Pa.
Centerpoint Roller Mill Co., flour, Centerpoint, Tex.
Centerville Brick Co., Centerville, Iowa.
Centerville Gypsum Co., Centerville, Iowa.
Central Architectural Iron Wks. (Inc.), 3105 W. 27th St., Chicago.
Central Armature Works, 344 Ogden Ave., Chicago.
Central Asbestos & Magnesia Co., 214 W. Grand Ave., Chicago.
Central Auto Body Co., 15 Orchard, Hartford, Conn.
Central Auto Equip. Co., Springfield, Ill.
Central Auto Top & Leather Co., slip covers, 421 N. Capitol Ave., Indianapolis, Ind.
Central Bag Mfg. Co., 6047 S. Western Ave., Chicago.
Central Belting Co., 151 Lafayette St., New York.
Central Boarding & Supply Co., 212 E. 12th St., Kansas City, Mo.
Central Boiler & Supply Co., Grand Rapids, Mich.
Central Boiler Works, 5791 Russell St., Detroit, Mich.
Central Box & Lumber Co., 2339 Blanding Ave., Alameda, Cal.
Central Brass Co., fndrs., 140 State, New Haven, Conn.
Central Brass & Fixture Co., auto accessories, Springfield, Ohio.
Central Brass Fdry., 1943 Carroll Ave., Chicago, Ill.
Central Brass Foundry, castings, 791 E. Pico, Los Angeles, Cal.
Central Brass Foundry, Toledo, Ohio.
Central Brass Mfg. Co., 6203 Cedar Ave., Cleveland, O.
Central Brass Works Co., 215 Goodrich Place, Kansas City, Mo.
Central Bronze & Brass Fdry., 714-716 Cherry, Philadelphia, Pa.
Central Broom Co., Jefferson City, Mo.
Central Building Co., contrs., 58 Front, Worcester, Mass.
Central Burglar Alarm Co., time switches, 1725 W. Washington, Chicago, Ill.
Central California Canneries, San Francisco, Cal.
Central Car Wheel Co., Pittsburgh, Pa.
Central Casket Co., 317 Franklin, Buffalo, N. Y.
Central Chandelier Co., 2522 N. Cicero Ave., Chicago.
Central Chandelier Co., 122 5th Ave., New York.
Central Chemical Co., 4200 S. Marshfield Ave., Chcago.
Central Chemical Co., fertilizer mfrs., Hagerstown, Md.
Central City Bung Co., 14th & Monroe Ave., Huntington, W. Va.
Central City Chemical Co., 4250 N. Crawford Ave., Chicago.
Central City Lumber & Mfg. Co., Central City, Ky.
Central City Paving Co., contrs., Union Bldg., Syracuse, N. Y.
Central Clay Products Co., brick, North Tonawanda, N. Y.

CENTRAL COAL & COKE CO., 600 Keith & Perry Bldg., Kansas City, Mo.

Pres.—Chas. S. Keith.
V. P.—Frank Schopflin.
Treas.—J. E. Broughal.
Sales Mgr.—J. K. Wesson.
General Auditor—R. E. Letcher.

Chicago—937 Marquette Bldg., C. E. Rich.
Cleveland, O.—1056 Leader-News Bldg., E. V. Godley.
Dallas, Tex.—1301 Kirby Bldg., J. M. Wells.
Des Moines, Ia.—P. O. Box 259, H. B. Nicol.
Houston, Tex.—Carter Bldg., T. P. Haley.
Indianapolis, Ind.—Merchants Bank Bldg., Ransom Griffin.
Oklahoma City, Okla.—P. O. Box 949, E. E. Wagner.
St. Louis, Mo.—1089 Arcade Bldg., A. D. Franklin.
San Antonio, Tex.—C. J. Jennings.

Central Coal & Lbr. Co., Houston, Tex.
Central Commercial Co., 111 N. Market St., Chicago.
Central Connecticut Brick Co., The, New Britain, Conn.
Central Construction Co., The, Wooster, O.
Central Constr. Co., Sheboygan, Wis.
Central Constr. & Supply Co., asphalt paving contrs., Harrisburg, Pa.
Central Contracting Co., Salisbury, N. C.
Central Contrg. Co., West Bldg., Houston, Texas.
Central Cornice & Roofing Wks., Decatur, Ill.
Central Cornice & Skylight Wks., Irvington, N. J.
Central Cornice Wks., 423 W. 39th, New York.
Central Cornice Wks., Sioux City, Iowa.
Central Cotton Oil Co., Jackson, Miss.
Center County Lime Co., Bellefonte, Pa.
Central Cut Glass Co., 1114 E. 63d, Chicago, Ill.
Central Cypress Co., lumber, Centralia, Fla.
Central Distributing Co., Detroit, Mich.
Central Door & Lbr. Co., E. 24th & Holgate, Portland, Ore.
Central Dredging Co., Bangor Bldg., Cleveland, O.
Central Dry Plate Co., 3709 Orchard Ave., St. Louis, Mo.
Central Dyestuff & Chemical Co., Newark, N. J.

CENTRAL ELECTRIC COMPANY, 316-326 S. Wells St., Chicago.

Pres.—Geo. A. McKinlock.
V. P.—Charles E. Brown.

Central Electric Co., 238 S. Jefferson Ave., Peoria, Ill.
Central Electric & Lock Co., elec. supp. jobbers, 1309 Arch, Philadelphia, Pa.
Central Electric Supply Co., Ltd., Toronto, Ont., Can.
Central Electrical Supply Co., 4 W. 16th St., New York.
Central Electrotype Fdry. 113 St. Clair Ave., Cleveland, O.
Central Engineering Co., Davenport, Iowa.
Central Engineering Co., Ltd., Montreal, Can.
Central Engraving Co., 114 North Seventh St., St. Louis, Mo.
Central Flatiron Mfg. Co., gas & sad irons, Johnson City, N. Y.
Central Forge Co., 1901 E. Euclid, Detroit, Mich.
Central Forging Co., The, Catawissa, Pa.
Central Fdry. Co., 700 W. 22d, Bessemer, Ala.
Central Fdry. Co., grey iron castings, 338 N. May, Chicago, Ill.
Central Foundry Co., Marshalltown, Ia.
Central Foundry Co., Joplin, Mo.
Central Foundry Co., Hamilton, O.
Central Foundry Co., 1921 E. Wayne St., Ft. Wayne, Ind.
Central Foundry Co., North 14th & East 42nd St., New York.
Central Foundry Equipment Co., Ferris Bldg., Columbus, O.
Central Frog & Switch Co., The, P. O. Box No. 9, Sta. "O," Cincinnati, O.
Central Fuel Co., silica sand, 9464 Cottage Grove Ave., Chicago, Ill.
Central Furn. Co., Dept. H, Rockford, Ill.
Central Georgia Guano Co., Milledgeville, Ga.
Central Glass Co., Inc., plate glass mirrors & bevelers, R. R. & Fulton, Evansville, Ind.
Central Glass Works, 15th St., Wheeling, W. Va.
Central Granite Co., Barre, Vt.
Central Hdwe. Co., plbrs.' supplies, St. Louis, Mo.
Central Hardware & Supply Co., Patton, Pa.
Central Hardware & Harness Co., Ironton, Ohio.
Central Illinois Lights, 316 S. Jefferson St., Peoria, Ill.
Central Iowa Fuel Co., coal min., Des Moines, Ia.
Central Iron & Coal Co., Holt, Ala.
Central Iron & Coal Co., 41 E. 42nd St., New York.

CENTRAL IRON & METAL CO., 3650 S. Rockwell St., Chicago.

Central Iron & Steel Co., Harrisburg, Pa.
Central Iron Works, 939 W. Lake, Chicago, Ill.
Central Iron Works, 2059 Bryant, San Francisco, Cal.
Central Ky. Carriage Co., Danville, Ky.
Central Lake Canning Co., Central Lake, Mich.
Central Leather Co., 17 Battery Pl., New York.
Central Loose Leaf Co., Benton Harbor, Mich.
Central Lbr. Co., 2100 5th Ave., Bessemer, Ala.
Central Lbr. Co., Reading, Pa.
Central Lumber Co., Brookhaven, Miss.
Central Lbr. Co., Mentone, Ind.
Central Lumber Co., Jackson, Tenn.
Central Lumber Co., Hudson & Oshkosh, Wis.
Central Lbr. Co., 838 McKnight Bldg., Minneapolis, Minn.
Central Lumber Co., Inc., Shreveport, La.
Central Lumber Co., The, Williamson Bldg., Cleveland, O.
Central Machine Co., 7th, Franklin & Wood Sts., Philadelphia, Pa.
Central Mach. Co., paper cutting & printing press machs., etc., Niagara Falls, N. Y.
Central Mach. Elec'l Repair Shop, Portsmouth, Ohio.
Central Mach. & Fdry. Co., brass & iron castings & soot blowers, Marion, Ind.
Central Machy. Mfg. Co., machsts., Los Angeles, Cal.
Central Mach. Wks., 437 S. Senate, Indianapolis, Ind.
Central Machine Works, Los Angeles, Cal.
Central Machine Works, auto axles' & engine pistons, 930 N. Howard, Spokane, Wash.
Central Mach. Wks. & Auto Co., Sioux City, Iowa.
Central Machine Works Co., 1234 Central Ave., Minneapolis, Minn.
Central Machinery & Equip. Insp. Bureau, 2631 York St., Toledo, O.
Central Machinery & Supplies Co., 148 Chambers St., New York.
Central Malleable Castings Co., Franklin Park, Ill.
Central Mfg. Co. auto bodies & seats, Connersville, Ind.
Central Mfg. Co., desk mfrs., 454 Armour, Chicago, Ill.
Central Mfg. Co., masons' & bldrs.' matls., Roanoke, Va.
Central Metal Products Corp., The, Canton, O.
Central Metal & Supply Co., 609 E. Lombard St., Baltimore, Md.
Central Mills Co., Southbridge, Mass.
Central Mosaic & Tile Co., 15 S. 4th, Memphis, Tenn.
Central Motor Co., machsts., Hamilton, Ohio.
Central National Concentrator, 3202 S. San Pedro, Los Angeles, Cal. (Successors to Eccleston Machine Co., 162 S. Anderson.)
Central Neb. Millwork Co., sashes, doors & blinds, Hastings, Neb.
Central Oil & Gas Stove Co., Gardiner, Mass.
Central Oolitic Stone Co., Bloomington, Ind.
Central Optical Co., optical goods, Southbridge, Mass.
Central Overall Co., 113 S. Hanover, Baltimore, Md.
Central Paint & Varnish Co., 20 Cadillac Sq., Detroit, Mich.
Central Paper Co., Menasha, Wis.
Central Paper Co., Muskegon, Mich.
Central Paper & Tablet Co., 301 Ry. ave., Indianapolis, Ind.
Central Paving Co., contractors, 179 W. Washington, Chicago, Ill.
Central Pennsylvania Lumber Co., Williamsport, Pa.
Central Plating & Mfg. Co., 1642 W. Market St., Indianapolis, Ind.
Central Plumbers Supply Co., 252 Pearl St., New York.
Central Plumbers' Supply Co., 252 Pearl, New York.
Central Plumbing Supply Co., Bridgeport, Conn.
Central Pocahontas Coal Co., Union Cent. Bldg., Cincinnati, O.
Central Pocahontas Coal Co., Welch, W. Va.
Central Radiator Co., Lansdale, Pa.
Central Radiator Co., 41 E. 42nd, New York.
Central Railway Signal Co., (Railroad Signal Fuses and Torpedoes), 230 Boylston St., Boston, Mass.
Central Refining Co., Lawrenceville, Ill.
Central Refractories Co., fire & face brick, New Lexington, Ohio.
Central Refractories Co., The, 705 Ferris Bldg., Newark, O.
Central Rubber & Supply Co., 120 S. Meridian St., Indianapolis, Ind.
Central Sash & Door Co., Topeka, Kans.
Central Scientific Co., 460 E. Ohio St., Chicago.
Central Screw Co., 35th & Princeton Ave., Chicago.
Central Sewer Pipe & Supply Co., masons' supplies, Steubenville, Ohio.
Central Sheet Metal Wks., 267 E. 133rd, New York.
Central Silica Co., Zanesville, O.
Central Smelting & Refining Co., Borden ave. & Haywood, Long Island City, N. Y.
Central Soap Co., Wabash & Hampden Ave., Minneapolis, Minn.
Central Soap Mfg. Co., 2671 E. 75th, Cleveland, Ohio.
Central Specialty Co., Inc., 7529 St. Aubin St., Detroit, Mich.
Central Specialty Co., plumbrs.' supplies, 902 E. 8th, Los Angeles, Cal.
Central Specialty Mfg. Co., machsts., 404 S. Kolmar ave., Chicago, Ill.
Central Sq. Hdwe. Co., mill & facty. supplies, Cambridge, Mass.
Central Stamping Co., 206 Broadway, New York.
Central States Bridge Co., 601 Beecher St., Indianapolis. Ind.
Central States Broom Corn Co., 1541 W. 6th, Cincinnati, Ohio.
Central States Canning Co., Indianapolis, Ind.
Central States Electric Co., 1414 Grand St., Kansas City, Mo.
Central States Steel Equipment Co., boxes, cabinets, etc., 400 S. Center, Joliet, Ill.

CENTRAL STATES TIE & LUMBER CO., INC., 812 Olive St., St. Louis, Mo.

Pres. & Treas.—H. F. Schierbecker.
V. P. & Sec.—C. A. Neuenhahn.

Central Station Equipment Co., contrs., 114 Liberty, New York.
Central Station Steam Co., 2910 E. Woodbridge, Detroit, Mich.

CENTRAL STEEL & WIRE CO., 4533-4557 S. Western Blvd., Chicago, and 5003 Bellevue Ave., Detroit, Mich.

ILL.—Chicago—4533-4557 S. Western Blvd.. Lafayette 8500.
MICH.—Detroit—5003 Bellevue Ave., Lincoln 6780.

Central Steel Company, Massillon, O.

Central Supply Co., janitors' supplies, Foster Sq., New York.
Central Supply Co., Little Rock, Ark.
Central Supply Co., 210 S. Capitol Ave., Indianapolis, Ind.
Central Supply Co., Commercial St., Worcester, Mass.
Central Supply Co., 312 S. 3rd St., Minneapolis, Minn.
Central Supply Co., Passaic, N. J.
Central Telephone & Electric Co., 2018 Locust St., St. Louis, Mo.
Central Tool & Manufacturing Co., 2411 Whittier Blvd., Los Angeles, Cal.
Central Tool & Supply Co., 3128 Park Ave., Chicago.

CENTRAL-TOPEKA PAPER CO., THE, Topeka, Kans.
Pres. & Treas.—S. J. Hodgins.
V. Pres.—W. F. Hobbs.
Secy. & Mgr.—James Nelson.

Central Train Control Co., Albany, N. Y.
Central Tube Co., 1805 First Nat'l Bank Bldg., Pittsburgh, Pa.
Central Unadilla Silo Co., Des Moines, Ia.
Central Valley Machy., Well & Supply Co., Belleville, Ill.
Central Veneer Co., Winter ave. & Belt Ry., Indianapolis, Ind.
Central Warehouse Lumber Co., Minnesota Transfer, Minn.
Central Waxed Paper Co., 5600 Fillmore St., Chicago.
Central West Coal Co., Columbus, O.
Central Wire & Iron Wks., 119 W. Norwood, Indianapolis, Ind.
Central Wire & Iron Wks., 309 Gratiot, St. Louis, Mo.
Central Wood Turning Co., book cases, 610 N. E. Main, Minneapolis, Minn.
Centralia Coal Co., 343 S. Dearborn, Chicago, Ill.
Centralia Envelope Co., Centralia, Ill.
Centralia Pulp & Water Paper Co., Grand Rapids, Wis.
Centralized Ball Mill Co., Monadnock Bldg., San Francisco, Cal.
Centre Foundry & Machine Co., Warwood Ave., Wheeling, W. Va.
Centre Lighting Fixture Mfg. Co., 170 Centre, New York.
Centrifugal Engine Co., Wilmington, Del.
Centrifugal Fan Co., 17th & Belmont Aves., Newark, N. J.
Centrifugal Pump Co., 434 Canal, New York.
Century Brass Works, Belleville, Ill.
Century Button Wks., 156 W. 34th, New York.
Century Cement Machine Co., Rochester, N. Y. (Now The Willsea Works.)
Century Cork Co., 220 W. 19th, New York.
Century Electric Co., Nineteenth, Pine to Olive Sts., St. Louis, Mo.
Century Electrical Co., Syracuse, N. Y.
Century Furn. Co., Grand Rapids, Mich.
Century Heat & Vent. Co., 20th, Akron, O.
Century Hoist Mfg. Co., Lock Haven, Pa.
Century Hy-Pressure Concrete Co., 2516 5th, Berkeley, Cal.
Century Leather Crafts Co., 350 Broadway, New York.
Century Machine Co., bakers' machinery, 4434 Marburg, Cincinnati, Ohio.
Century Mfg. Co., Inc., 272-74 W. Genesee St., Buffalo, N. Y.
Century Mfg. Co., automobile bldrs., stor. battery trucks, 421 E. Canfield, Detroit, Mich.
Century Mfg. Co., carriages, East St. Louis, Ill.
Century Mfg. Co., overalls, 1015 Main, Springfield, Mass.
Century Ornamental Glass Co., 5039 Delmar, St. Louis, Mo.
Century Pen Co., Whitewater, Wis.
Century-Plainfield Tire Co., Plainfield, N. J.
Century Pump Co., 719 6th, Brooklyn, N. Y.
Century Rubber Stamp Wks., Inc., 551 Pearl St., New York.
Century Stained Glass Works, memorial windows, 212 S. 11th, Philadelphia, Pa.
Century Stearic Acid Candle Wks., 330 South, New York.
Century Stove & Mfg. Co., Johnstown, Pa.
Century Telephone Construction Co., 1738 Elmwood Ave., Buffalo, N. Y.
Century Tool & Metal Co., welding compounds & plates, 180 N. Market, Chicago, Ill.
Century Ventilating Co., 617 E. Fordham Rd., New York.

CENTURY WOOD PRESERVING CO., Century Bldg., Pittsburgh, Pa.

Ceramic Machinery Co., The, Hamilton, O.
Cereal Food Co., canned, Peoria, Ill.
Cereal Mills Co., flour, Wausau, Wis.
Cereghino, D., machsts., 4445 Mission, San Francisco, Cal.

CERESIT WATERPROOFING CORP., Succeeding Crescent Sales Mfg. Co., Suite 406, 10 S. LaSalle St., Chicago.
Pres.—F. A. Mitchell.
Sec.—Robt. O. Fenner

Cerny, Pickas & Co., 3321 S. Crawford Ave., Chicago.
Cerro de Pasco Mining Co., 15 Broad, New York.
Cerro Gordo Mines Co., silver ores, San Jose, Cal.
Cerro Montoso Lbr. Co., Las Vegas, N. M.
Certain-teed Products Corporation, Pershing Square Bldg., New York.
Certain-teed Products Corp., roofing paints, varnishes, etc., Boatman's Bank bldg., St. Louis, Mo.
Certes Supply Company, Inc., 737 Frisco Bldg., St. Louis, Mo.
Certified Chemical Co., 233 Broadway, New York.

CEVASCA, CAVAGNARO & AMBRETTE, INC., macaroni machy., 156 6th, Brooklyn, N. Y.

Ceylon Cement Tile Co., Ceylon, Minn.
Chace, Andrew R., granite, E. Providence, R. I.
Chace Mills, shade cloth mfrs., Rodman, Fall River, Mass.
Chacon Trading Co., The, 82-92 Beaver St., New York.
Chadborn & Coldwell Mfg. Co., lawn mowers & trimmers, Newburgh, N. Y.
Chadbourn-Bate Co., lbr., Wilmington, N. C.
Chadbourne & Moore, webbing, Chelsea, Mass.
Chadbourne-Walker Machine Screw Co., 100 Sudbury St., Boston, Mass.
Chadburn & Edwards, contractors, Yonkers, N. Y.
Chadburn Economy Burner Co., water heaters, Savings Bank Bldg., Newburgh, N. Y.
Chadburn Engineering Co., Inc., 5th Ave. & Liberty St., Troy, N. Y.
Chadwick & Sykes, contractors, Crocker Bldg., San Francisco, Cal.
Chadwick & Trefethen, Portsmouth, N. H.
Chadwick-Boston Lead Co., 162 Congress, Boston, Mass
Chadwick, C. L., contr., 108 E. Lake, Minneapolis, Minn.
Chadwick-Hoskins Co., cotton sheetings, Charlotte, N. C.
Chadwick, Mill. J., cotton thread, ft. of Lembeck ave., Jersey City, N. J.
Chafer Co., htg. contrs., 1447 Davenport, Cleveland, Ohio.
Chaffee Bros. Co., packing boxes, box shooks & cloth boards, Oxford, Mass.
Chaffee Mfg. Co., cable cords, fish line mfrs., Willimantic, Conn.
Chaffee Co., Thos. (Paint), 91 Globe St., Providence, R.I.
Chaffin Bros., stone prod., Kokomo, Ind.
Chaffiee's, F., Sons, lbr., Rutland, Vt.

CHAIN BELT COMPANY— 746 Park St., Milwaukee, Wis.
Pres.—Wm. C. Frye.
V. P. & Sec.—C. R. Messinger.
Treas.—C. L. Pfeifer.
Buffalo, N. Y.—753 Ellicott Square, T. E. Cocker.
Charlotte, N. C.—1413 S. Tryon Extended, W. L. Montague.
Chicago—1018 Corn Exchange Bldg., F. S. Bosworth, R. X. Raymond.
Cleveland, O.—1155 Leader News Bldg., S. M. Hird.
Detroit, Mich.—8855 Woodward Ave., C. E. Martin.
L. M. Campbell.
Houston, Tex.—P. O. Box 1571, W. L. Childs.
Los Angeles, Cal.—2708 Santa Fe Ave., J. V. MacDonald.
New York—50 Church St., G. J. Blanton, J. B. Roberts.
Pittsburgh, Pa.—1201 Union Arcade Bldg., G. F. Sherratt.
St. Louis, Mo.—337 Boatman's Bank Bldg., T. F. Scannell.
Foreign:
London, W. C. 2, England—2 and 3 Norfolk St. Strand, W. E. Knight.
Distributors:
ALA.—Birmingham—Young & Vann Supply Co.
Mobile—McGowin-Lyons Hardware & Supply Co. (Chain).
ARIZ.—Phoenix—Pratt-Gilbert Co. (Mixers).
ARK.—Helena—Hollis & Co. (Chain).
CALIF.—Los Angeles—Concrete Machinery & Sup. Co. (Mixers).
San Francisco—Meese & Gottfried Co. (Chain), 19th & Harrison, Mission 345.
COLO.—Denver—Herr-Rubincam Supply Co.
Mine & Smelter Sup. Co.
Herbert N. Steinbarger Co. (Mixers).
CONN.—Hartford—K. B. Noble Co. (Mixers).
FLA.—Jacksonville—Georgia Supply Co. (Chain).
Mulberry—Mine & Mill Sup. Co. (Mixers).
Tampa—W. R. Fuller (Mixers).
GA.—Albany—Georgia Mill Sup. Co.
Atlanta—Walraven Co. (Chain).
Yancy Bros. (Mixers).
Savannah—Georgia Supply Co. (Chain).
South Atlantic Sup. Co. (Chain).
ILL.—Bloomington—Keiser-Van Leer Co.
Chicago—Superior Supply Co. (Mixers), 327 S. LaSalle St., Harrison 7610.
IND.—Indianapolis—Chain Belt Co.
IA.—Des Moines—Iowa Machy. & Sup. Co.
Walrath Supply Co. (Chain).
KANS.—Wichita—White Star Co. (Chain).
KY.—Louisville—Chain Belt Co.
LA.—New Orleans—Cudlipp Belting & Machy. Co.
C. T. Patterson Co., Ltd.
ME.—Bangor—Snow & Neally Co.
Union Iron Works.
MD.—Baltimore—Henry H. Meyer Co. (Mixers).
MASS.—Boston—Chas. J. McCarty & Co. (Mixers).
MICH.—Detroit—Contractors Equipment Co., 5169 Martin, Cedar 2311.
Grand Rapids—Kellogg-Burlingame Co. (Mixers).
Marquette—G. S. Webb.
Menominee—Northwest Hdwe. & Sup. Co.
MINN.—Duluth—Kelley-How-Thomas Co. (Chain).
Marshall-Wells Co.
Wm. H. Ziegler (Mixers).
Minneapolis—Power Equip. Co. (Chain).
Strong-Scott Mfg. Co. (Chain).
Wm. H. Ziegler Co. (Mixers).
St. Paul—Chandler Whitmore & Co. (Chain).
F. T. Hildred & Co.
MO.—Kansas City—Victor L. Phillips Co. (Mixers), 700 Delaware, Victor 8551.
Stowe Supply Co. (Chain), 13th & Hickory, Main 3390.
St. Louis—Cornelius Mill Furnishing Co. (Chain).
W. Tuley (Mixers), 6th & Carr, Main 2299.
MONT.—Butte—Western Supply Co.
N. J.—Newark—Fireproof Products Co. (Mixers).
Loomis & Sons Co., C. H.
N. Y.—Albany—Fireproof Products Co. (Mixers).
Brooklyn—Fireproof Products Co. (Mixers).
Buffalo—Mey Chain Belt Co. (Chain), 82 Washington, Seneca 3852.
Peeless Mill Sup. Co., 186 Main, Seneca 4785.
Root Neal Co. (Chain), 178 Main, Seneca 4710.
Elmira—Elmira Storage & Sales Co., Inc.
Glens Falls—Kendrick & Brown (Mixers).
Mohawk—American Hard Wall Plaster Co (Mixers).
New York—Brown & Sites Co., 30 Church St. Cortland 1190.
Fireproof Products Co. (Mixers), 257 E. 133d St., Motthaven 0500.
Olean—Clark Bros. Co. (Chain).
Rochester—Barr & Creelman Co. (Chain).
Finley-Wheeler, Inc.
John M. Forster Co.
Haverstick & Co. (Chain).
Rome—American Hard Wall Plaster Co. (Mixers).
Syracuse—Brewster & Williams Co. (Mixers).
Utica—American Hard Wall Plaster Co. (Mixers).
N. C.—Charlotte—Chain Belt Co.
Fred W. Casey Co. (Mixers).
Raleigh—Dillon Supply Co. (Chain).
OHIO—Cincinnati—Equity Equip. Co. (Mixers).
Cleveland—Boston Engineering Sales Co. (Mixers).
Springfield—Lane Equip. Co. (Mixers).
OKLA.—Oklahoma City—Mideke Supply Co. (Chain).
Victor L. Phillips Co. (Mixers).
ORE.—Portland—Loggers & Contractors Mach Co (Mixers).
Meese & Gottfried Co. (Chain).
PA.—Philadelphia—Robt. L. Latimer & Co. (Chain), 24 N. Front, Market 0335.
Stanley & Morris (Mixers), 2009 Market, Spruce 3788.
Pittsburgh—Ward Equipment Co. (Mixers), Fitz Blvd., Court 1568.
TENN.—Chattanooga—Mills & Lupton Supply Co. (Chain).
Mills Construction Equip. Co. (Chain).
Johnston City—Summer Hardware Co. (Chain).
Knoxville—W. J. Savage Co. (Chain).
Memphis—Halloran-McLean Tractor Co. (Mixers).
Reed & Duecker (Chain).
TEX.—Dallas—S. A. Ellsberry (Mixers).
El Paso—Mine & Smelter Sup. Co. (Chain).
Houston—F. W. Gartner & Co. (Mixers).
Lufkin—Lufkin Fdry. & Mach. Co. (Chain).
San Antonio—General Supply Co. (Mixers).
UTAH—Salt Lake City—C. H. Jones Co. (Chain).
Landes & Co. (Mixers).
VA.—Norfolk—Empire Machy. & Sup. Co. (Chain).
Southern Supply Co. (Chain).
Henry Walke Co. (Chain).
Petersburg—Appomattox Iron Works & Sup. Co. (Chain).
WASH.—Seattle—A. H. Cox & Co.
Meese & Gottfried Co. (Chain).
Spokane—Hofius-Ferris Equip. Co. (Mixers).
Washington Machy. & Sup. Co. (Chain).
WIS.—Milwaukee—American Machy. Co. (Chain).
Badger-Packard Machy. Co. (Chain).
Hunter Machinery Co. (Mixers).
Western Iron Stores Co. (Chain).
Wausau—Wisconsin River Sup. Co. (Chain).
FOREIGN:
CAN.—Vancouver, B. C.—General Supply Co. of Canada (Mixers).
Winnipeg, Man.—Powell Equipment Co., Ltd. (Mixers).
Montreal, Que.—Lamoreaux-Kelly, Inc. (Mixers).
London, Eng.—Chain Belt Co.
MEXICO.—Mexico City—Chain Belt Co.

Chain Leather Co., Peabody, Mass.
Chain Products Co., The, 3924 Cooper Ave., Cleveland, O.
Challenge Cutlery Corp., 58 Seymore Ave., Bridgeport, Conn.
Challenge Company, 134 River St., Batavia, Ill.
Challenge Machy. Co., Box 326, Grand Haven, Mich.
Challenge Machine Co., dressers & guards (emory wheel), 5116 Springfield ave., Philadelphia, Pa.
Challenge Refrigerator Co., Grand Haven, Mich.
Challenge Tube Cleaner Co., 63 Market, Lowell, Mass.
Challoner Co., Oshkosh, Wis.
Chalmers & Son, Harvey, (Pearl Buttons), Amsterdam, N. Y.
Chalmers & Williams, 208 S. La Salle St., Chicago.
Chalmers Chemical Co., 115 Chestnut St., Newark, N. J.
Chalmers Knitting Co., Amsterdam, N. Y.
Chalmers Motor Car Co., 12200 E. Jefferson, Detroit, Mich.
Chalmers Pump & Mfg. Co., The, Lima, O.
Chalmers-Williams Mfg. Co., Chicago Heights, Ill.
Chalstrom, J. E., contrs., Joliet, Ill.
Chalupa & Bien Co., 532 E. 18th St., New York.
Chamber of Commerce, Eugene, Ore.
Chamber of Commerce, 339 E. Weber, Stockton, Cal.
Chamberlain, A. P., stone, Denison, Tex.
Chamberlain Co., The, 33 Terminal Way, Pittsburgh, Pa.

CHAMBERLAIN-HABER CHEMICAL COMPANY, 1103-05 W. 11th St., Cleveland, O.
Pres.—Henry J. Haber.
V. P.—George M. Potter.
Sec.—F. M. Barnes.
Treas.—K. M. Haber.
Distributors:
ALA.—Birmingham—Wimberly & Thomas Hardware Co.
CALIF.—San Francisco—Holbrock, Morrill & Stetson Co., 6th & Bluxome Sts., Sutter 60.
D. OF C.—Washington—Globe Wholesale & Distributing Co.
GA.—Atlanta—Cottongim's Seed Store.
Augusta—Augusta Cream Sizing Company.
ILL.—Chicago—James B. Clow Sons & Co., 534-546 S. Franklin St., Wabash 2789.
Hibbard, Spencer Bartlett & Co., 303 N. State St., Central 7280.
Decatur—Morehouse & Wells Co.
IND.—Decatur—Schafer Hardware Co.
Fort Wayne—C. C. Schlatter & Co.
Indianapolis—Kirkhoff Bros., 11 N. Jersey, Main 0910.
Richmond—Jones Hardware Company.
Richmond—Jones Hardware Company.
Mille Bros. Hardware Co.
IA.—Sioux City—Knapp Spencer Co.
KANS.—Atchison—Blish, Mize & Silliman Hardware Co.
Pittsburg—Beasley Miller Co.
Pittsburg Supply Co.
KY.—Louisville—Belknap Hardware Co., 2nd & Washington St., Main 2500
MICH.—Detroit—Standard Bros. Co.
Geo. C. Wetherbee & Co., 424 W. Jefferson, Main 3723.
MINN.—Minneapolis—Janney Semple & Hill Co., Marquette Ave., and 2nd St., Atlantic 8800.
MO.—Kansas City—Chandler Pump & Supply Co., 933 W. 8th St., Main 4727.
Townley Metal & Hardware Co., 200 Walnut St., Main 0200.
St. Joseph—Wyeth Hardware & Mfg. Co.
NEBR.—Omaha—Paxton & Gallagher Co.
N. Y.—Buffalo—Buffalo Wholesale Hardware Co., 317 Washington St., Seneca 4700.
New York—A. W. Gerstner Co., 634 8th Ave., Bryant 0863.
Hammacher & Schlemmer Co., 133 4th Ave., Stuyvesant 7000.
Lanbush-Fisher Co.
John Simmons Co., 110 Centre, Franklin 5000.
Schenectady—David Mahoney Co.
N. C.—Charlotte—Mott-Southern Co.
OHIO.—Canton—Canton Hardware Co.
Cincinnati—Kruse & Bahlmann Co., 408-22 Pioneer St., Canal 2480.
Wolffe Co., 2nd & Walnut, Main 5393.
Cleveland—Wm. Bingham Co., 1278 W. 9th St., Main 6420.
Liberty Sanitary Supply Co., 3515 Lakeside, Prospect 4167.
Luetkemeyer Co., 725 Superior Ave., N. W., Main 4380.
Walworth Ohio Co., 1614 E. 40th St., Randolph 6522.
Geo. Worthington Co., 802-32 St. Clair Ave., Cherry 1600.
Columbus—Mithoff Hardware Co., 284 S. High St., Main 226.
Smith Bros. Hardware Co., 38 W. Chestnut, Main 60.
East Liverpool—Mulligan Hardware Co., Main 67.
Toledo—Bostwick-Braun Co., Summit & Monroe Sts., Adams 7300.
Liberty Sanitary Supply Co., 127 Tecumseh, Adams 1493.
PA.—Altoona—H. C. Prutzman Co.
Bethlehem—Keystone Supply & Mfg. Co.
Erie—Wm. Irwin Arbuckle.
Harrisburg—Gilbert Wholesale Hardware Co.
Lancaster—Fleck-Marshall Co.
Steinman Hardware Co.
Philadelphia—Bridgeman Bros.
Newlin-Knight Hardware Co., 4411 Commerce, Market 2041.
Shields & Bros. Co., 521 Market, Market 2383.

(Continued on following page)

CHAMBERLAIN-HABER CHEMICAL CO.—Continued.
Supplee-Biddle Hardware Co., Market, Commerce and 3rd Sts., Market 4050.
Uniontown—Peerless Supply Co.
Wilkes-Barre—C. Morgan's Sons Co.
Williamsport—Kline & Co.
R. I.—Providence—Commercial Supply Co.
TENN.—Nashville—Standard Sanitary Mfg. Co.
VA.—Norfolk—Johnson, Criddle & Co.
Seaboard Supply Co.
Standard Supply Co.
Tidewater Plumbing Supply Co.
Richmond—Watkins-Cottrell Co.
W. VA.—Charleston—John Sparkes Co.
Clarksburg—Williams Hardware Co.
Huntington—Bailey Farrell Mfg. Co.
Wheeling—Greer & Laing Co.
WIS.—Milwaukee—Pritzlaff Hardware Co., 51 W. Water St., Grand 6200.

Chamberlain, J., & Sons, contractors, Asbury Park, N. J.
Chamberlain Mach. Works, Waterloo, Ia.
Chamberlain, R. T., & Sons, contractors, 142 E. 5th, So., Salt Lake City, Utah.
Chamberlin & Johnson, sealing wax, 1238 Voskamp, Pittsburgh, Pa.
Chamberlin Cartridge & Target Co., ammunition, 514 Prospect ave., Cleveland, Ohio.
Chamberlin, E. B., & Co., fertilizer mfrs., Hightstown, N. J.
Chamberlin, G. A., contr., Mobile, Ala.
Chamberlin Metal Weatherstrip Co., 1644 W. Lafayette St., Detroit, Mich.

CHAMBERLIN-ROOME STEEL CO., 3902 S. Ashland Ave., Chicago.
Pres.—Chas. M. Chamberlin.
V. P.—Walter D. Monroe.
Sec.—Raymond D. Chamberlin.
Treas.—W. A. Roome.

Chamberlin Rubber Co., Rochester, N. Y.
Chamberlin, W. R. & Co., lumber, 351 California, San Francisco, Cal.
Chamberlyne (Inc.), furniture, 503H E. 72nd, New York.
Chambers, A. Reeder, fire brick, clay, etc., Trenton, N. J.

CHAMBERS AGENCY, INC., New Orleans, La.

Chambers, Bering, Quinlan Co., faucets, steel, slack barrels & hog rings & soldering irons, Decatur, Ill.

CHAMBERS, BRECHT & POLLARD Lancaster,, Pa.

Chambers Bros. Co., 52nd St., Philadelphia, Pa.
Chambers, J. H., lumber, Cottage Grove, Ore.
Chambers, John C., 1827 Leclaire Ave., Chicago.
Chambers Mfg. Co., gas stoves & ranges, Shelbyville, Ind.
Chambers & Son, contractors, James Bl., Chattanooga, Tenn.
Chambers Valve Co., (New Bradford Draft Gear Co., New York.
Chambers, W. H., & Son, contrs., Newcastle, Pa.

CHAMBERSBURG ENGINEERING CO., Chambersburg, Pa.
Pres.—W. H. Derbyshire, Jr.
V. P. & Gen. Mgr.—H. B. Price.
Treas.—J. Harvey Ivins.
Secy.—Daniel R. Hoch.
Sales Mgr.—H. M. Frederick.
Mech. Engr.—E. B. Huber.
Pur. Agt.—W. H. Freet.
Special Rep.—G. R. Murray.
Foundry Mgr.—B. K. Ely.

Chambersburg Fdry. & Mach. Co., engines, Chambersburg, Pa.
Champaign Bros., machsts., Ithaca, N. Y.
Champion & Levien, Inc., contrs., 48 E., 10th, New York.
Champion Blower & Forge Co., Lancaster, Pa.
Champion Brass Works, Coldwater, Mich.
Champion Brick Co., 110 Lexington, Baltimore, Md.
Champion Brick Co., Mechanicsville, N. Y.
Champion Bridge Co., Wilmington, O.
Champion Button Wks., 104 W. 30th, New York.
Champion Carbon Co., dry batteries, 305 1st National Bank Bldg., Cincinnati, Ohio.
Champion Chemical Works, Inc., 19 W. Austin Ave., Chicago.
Champion Coated Paper Co., Hamilton, O.
Champion Cutter & Fixture Co., The, Piqua, O.
Champion Drill Co., Avon, N. Y.
Champion Engineering Co., The, Kenton, O.
Champion Evaporator Co., Hudson, Ohio.
Champion Feed Milling Co., Clinton, Ia.
Champion Fibre Co., Hamilton, Ohio.
Champion Foundry Co., gray iron castings, Piqua, Ohio.
Champion Foundry & Machine Co., 3018 W. 21st Pl., Chicago.
Champion Hardware Co., Geneva, O.
Champion Horse Shoe Co., Slater Trust Bldg., Pawtucket, R. I.
Champion-International Co., Lawrence, Mass.
Champion Iron & Wire Wks., Omaha, Neb.

CHAMPION MACHINE & FORGING CO., 3690 E. 78th St., Cleveland, O.
Pres.—L. W. Greve.
V. P.—J. F. Connelly.
Sec. & Treas.—H. D. Krauss.
Detroit, Mich.—705 Ford Bldg., Chas. A. Carr.
New York—30 Church St., Guy Gregory.
Philadelphia, Pa.—Bourse Bldg., F. E. Schwartz.

Champion Machy. Co., 450-54 S. Center St., Joliet, Ill.
Champion Mfg. Co., bolt, nut & rivet mfrs., 7332 Kimbark ave., Chicago, Ill.
Champion Mfg. Co., 847 Mass. Ave., Indianapolis, Ind
Champion Mfg. Co., machsts. & fndrs., Rocky Hill, Conn.
Champion Metal Weather Strip & Parting Bead Co., 575 Albany, Boston, Mass.
Champion Milk Cooler Co., Cortland, N. Y.
Champion Paper Co., Carthage, N. Y.
Champion Paper Cutter Co., Piqua, Ohio.
Champion Porcelain Co., 8525 Butler, Detroit, Mich.
Champion Potato Machinery Co., Hammond, Ind.
Champion Products Mfg. Co., 271-275 Halsey St., Newark, N. J.

CHAMPION RIVET CO., The, Harvard Ave. & E. 103rd St., Cleveland, O.
Pres.—David J. Champion.
Sec. & Treas.—Wm. J. Reilley.
Western Plant—East Chicago, Ind.—C. C. Sheldon, Mgr.
Distributors and Representatives:
ALA.—Birmingham—Crane Co.
ARK.—Little Rock—Hollis & Co.
Pine Bluff—Arkansas Mill Supply Co.
CAL.—Los Angeles—Little & Robertson, Inc.
Union Hardware & Metal Co.
San Francisco—A. M. Castle & Co., Monadnock Bldg., Karny 345.
Dunham, Carrigan & Hayden Co., Kansas & Division, Park 9500.
COLO.—Denver—Hendrie & Bolthoff Mfg. & Sup. Co.
D. C.—Washington—J. B. Kendall Co.
FLA.—Jacksonville—Georgia Supply Co.
Tampa—Cameron & Barkley Co.
GA.—Augusta—Lombard Iron Wks. & Sup. Co.
Savannah—Georgia Supply Co.
IDAHO—Boise—Northrup Hardware Co.
ILL.—Chicago—A. M. Castle & Co., 1132 Blackhawk, Diversey 6900.
Great Lakes Supply Co., 3217 E. 92nd St., South Chicago 7600.
IND.—Indianapolis—George O. Desautels Co., 335 Postal Station Bldg.
W. J. Holliday & Co.
LA.—New Orleans—Luken Steel Co.
MASS.—Boston—Brown Wales Co.
Chase-Parker & Co.
Geo. W. Denyven, 141 Milk St.
Cambridge—E. P. Sanderson Co.
MICH.—Detroit—Buhl Sons Co.
Murphy & Kelly, 506 McKerchy Bldg.
Chas. A. Strelinger Co.
Grand Rapids—Grand Rapids Steel & Supply Co.
MINN.—Duluth—Marshall Wells Co.
MO.—Kansas City—The Faeth Co., 1127 W. 8th St., Harrison 2285.
Richards & Conover Hdwe. Co., 5th & Wyandotte, Main 7600.
Southwestern Products Co., 201 Mutual Bldg., Grant 3915.
St. Louis—Beck & Corbitt Iron Co., 1230 N. Main, Olive 2440.
Crosby Supply Co., 1956 N. Broadway, Tyler 747.
N. Y.—Brooklyn—Thos. W. Kiley & Co.
D. H. Smith & Sons.
Buffalo—Beals McCarthy & Rogers, Inc., 50 Terrace, Seneca 2820.
New York—Braumfels Browning & Co., 131st St. & Park Ave., Harlem 4760.
Henry Frank, Jr., 372-4 Hudson St., Spring 7190.
Frement & Co., 140-158 Bank St., Chelsea 2140.
Edw. Laterman, 30 Church St., Cortland 6656.
Manning, Maxwell & Moore, 100 E. 42nd St., Vanderbilt 6120.
S. D. Selikowitz, 90 West St., Rector 7738.
Washington Hardware Co., 257 Greenwich St., Barclay 8012.
O.—Cincinnati—J. T. Ryerson & Son.
Cleveland—J. F. Cortlett & Co.
OKLA.—Tulsa—International Supply Co.
PA.—Erie—Erie Concrete & Steel Co.
Philadelphia—W. H. S. Bateman, Commercial Trust Bldg., Rittenhouse 2044.
Pittsburgh—Robt. C. Barton, 1607 Commonwealth Bldg., Court 5664.
S. C.—Charleston—Cameron & Barkley Co.
TENN.—Knoxville—C. M. McClung & Co.
Memphis—Keith Simmons & Co.
Pidgeon-Thomas Iron Co.
Riechman Crosby Co.
TEX.—Beaumont—Norvell Wilder Hardware Co.
E. L. Wilson Hardware Co.
Dallas—C. M. Crookshank, Great Southern Life Bldg.
UTAH—Ogden—Geo. A. Lowe Co.
Salt Lake City—F. C. Richmond Machinery Co.
Salt Lake Hardware Co.
U. S. Store Co.
Thos. A. Williams, Scott Bldg.
Zion's Cooperative Mercantile Inst.
VA.—Fairmont—Fairmont Mining Machinery Co.
Norfolk—Eagleston Parke Co., Inc.
WASH.—Seattle—A. M. Castle & Co. of Washington.
W. VA.—Williamson, Persinger Hdwe. & Furniture Co.

Champion Rubber Co., Ltd., Toronto, Ont., Can.
Champion Shoe Machy. Co., 3727 Forest, St. Louis, Mo.
Champion Silk Co., silk thread, Pottstown, Pa.
Champion Spark Plug Co. See Champion Porcelain Co. (successors).
Champion Spark Plug Co., Cor. Avondale & Upton & L. S. Ry., Toledo, O.
Champion Spring Co., 6116 Park ave., Cleveland, Ohio.
Champion Stove Co., 4001 W. 25th, Cleveland, Ohio.
Champion, Thomas E., canned goods, Normal, Ill.
Champion Tool Co., Meadville, Pa.
Champion Tool & Handle Co., log hooks, Evart, Mich.
Champion Tool Works Co., 2422 Spring Grove Ave., Cincinnati, O.
Champion Wagon Co., Owego, N. Y.
Champion Wire & Iron Wks., bk. & office railings, Louisville, Ky.
Champlain Brick Co., Mechanicsville, N. Y.
Champlain Mfg. Co., interior finish, Burlington, Vt.
Champlain Valley Lime Corp., Winooski, Vt.
Champlin Hardware Co., Enid, Okla.
Champlin Refining Co., Enid, Okla.
Champlin, Wm. H., lbr., packing boxes, Rochester, N. H.
Chance Company, Centralia, Mo.
Chance Mfg. Co., arresters & guy anchors, Centralia, Mo.
Chancellor, S. D., rims & felloes, Wilmington, Ohio.
Chandeysson Electric Co., 4092 Bingham St., St. Louis, Mo.
Chandlee, H. P., Sons Co., household specialities, mfrs., 114 W. Lombard, Baltimore, Md.
Chandlee, Ira W., canned goods, Slab, Pa.
Chandler & Ballard Co., canned goods, Exmore, Va.
Chandler & Barber Co., whol. hdwe. 124 Summit, Boston, Mass.
Chandler & Farquhar Co., 36 Federal, Boston, Mass.
Chandler & Morse, mill & facty. supplies, Putnam, Conn.
Chandler & Price Co., 6000 Carnegie S. E., Cleveland, O.
Chandler & Taylor Co., S. Addison St. and Big Four Railroad Tracks, Indianapolis, Ind.
Chandler-Boyd Supply Co., Terminal Bldg., Pittsburgh, Pa.
Chandler Bros., lbr., New Gloucester, Me.

CHANDLER CO., THE, Napier St., Springfield, Mass.
Treas.—L. J. Chandler.
Secy.—A. F. Bassett.

Chandler Constr. Co., mech'l engnrs., 31 State, Boston, Mass.
Chandler, Geo. M., ties, poles & posts, Onaway, Mich.
Chandler Heater Co., Cedar Rapids, Ia.
Chandler Mach. Co., Ayer, Mass.
Chandler Mach. Co., Kokomo, Ind.
Chandler Motor Car Co., The, E. 131st & St. Clair, Cleveland, O.
Chandler Oil Cloth & Buckram Co., E. Taunton, Mass.
Chandler Pump & Supply Co., mill & facty. supplies, Kansas City, Mo.
Chandler Pump Co., 804 1st Ave., West, Cedar Rapids, Ia.
Chandler Service Corp., filing cabinets, 4758 Ford ave., Brooklyn, N. Y.
Chandley Co., mattresses, 274 Shriwsky, Worcester, Mass.
Chaney, J. H., & Son Co., contrs., 189 W. Madison, Chicago, Ill.
Chaney Mfg. Co., The, Springfield, O.
Channel Packing & Rubber Co., 366H West Broadway, New York.
Channel Plumbing Supply Co., 1434 W. Anaheim, Long Beach, Cal.
Channon & Dufva Co., mill & facty., plumbers' & steam fitters' supplies, Rock Island, Ill.

CHANNON-DANGEL CO., 302 W. Ontario St., Chicago.
Pres.—James H. Channon.
V. P.—Edward Larson.
Treas.—W. H. Dangel.
Secy.—W. H. Lawton.

CHANNON COMPANY, H., 121 N. Market St., Chicago.
Pres. & Treas.—H. G. Elfborg.
V. P.—B. Berntsen, Alex. Simpson Grieg, C. D. Vichoff.
Directors:
Geo. Scott, V. P. American Steel Foundries.
C. K. Knickerbocker, V. P. Griffin Wheel Co.
W. A. Forbes, Pres. Rockford Mall. Iron Co.
F. C. Honnold, Pres. Chi. & Big Muddy Coal Co.
A. C. Allyn, H. G. Elfborg.
J. J. Bryant, Jr., Jas. H. Oliphant & Co., Res. Partner.

Channon-Emery Stove Co., founders, Quincy, Ill.
Channon, H., Co., Dept. H, 149 N. Market St., Chicago, Ill.
Channon-Hughson Co., shock absorbers, 227H W. Erie, Chicago, Ill.

CHANNON MFG. CO., JAS. H., 227 W. Erie St., Chicago.
Pres.—James H. Channon.
Sales Mgr.—N. C. Nussbaumer.

Chanslor & Lyon Co., 1238 Van Ness St., San Francisco, Calif.
Chantrell Hardware Tool Co., Reading Pa.
Chanute Brick & Tile Co., Chanute Kans.
Chanute Lumber Co., Chanute, Kan.
Chaparra Sugar Co., 129 Front, New York.
Chapel, A. M., Machine Co., Pittsfield, Mass.
Chapel Mills Mfg. Co., woolen flannels, Cherry Valley, Mass.
Chapin & Gould Paper Co., 317 Main St., Springfield, Mass.
Chapin Co., dairy feed, Hammond, Ind.
Chapin Co., Chas. E., 227 Fulton St., New York.
Chapin, E. T., Co., ties, poles, etc., Symons Bldg., Spokane, Wash.
Chapin, Louis S., leaded glass, Rochester, N. Y.
Chapin Mfg. Works, The R. E., Batavia, N. Y.
Chapin-Owen Co., Inc., 370-386 E. Main St., Rochester, N. Y.
Chapin, Richard S., 3018 Field, Detroit, Mich.
Chapin-Skelton Corp., 406-408 Ash St., Syracuse, N. Y.
Chapin-Stephens Co., Pine Meadow, Conn.
Chaplin-Fulton Mfg. Co., gas regulating valves, 34 Penn. ave., Pittsburgh, Pa.
Chaplin-Fulton Mfg. Co., The, 28-34 Penn Ave., Pittsburgh, Pa.
Chapline Construction Co., Wainwright Bldg., St. Louis, Mo.
Chapman & Bangs Co., wholesale hdwe., 353 Water, Bridgeport, Conn.
Chapman & Co., H. D., Macon, Ga.
Chapman & Dewey Lumber Co., 500 Rialto Bldg., Kansas City, Mo.
Chapman & Graham, Inc., contrs., Jamestown, N. Y.
Chapman & Resnick, scrap rubber, 1361 S. Morgan, Chicago, Ill.
Chapman & Smith Co., paste, 1017 Washington blvd., Chicago, Ill.
Chapman & Soden, Inc., 150 Oliver St., Boston, Mass.
Chapman & Sons, W. H., 1213 Main St., Wheeling, W. Va.
Chapman Bros. Co. (Hardwood Specialties), Saybrook Point, Conn.
Chapman, C. A., Inc., mill engineer & paper & pulp mill architect, 11 S. Clinton, Chicago, Ill.
Chapman, C. W., Lumber Co., Waterloo, Ia.
Chapman Carriage Factory, slip covers, etc., 1116 Hogan, Jacksonville, Fla.
Chapman-Clark Co., masons' mtls., Savannah, Ga.
Chapman Co., Inc., Wm. O., 30 Church St., New York.
Chapman Co., cake moulds, cream dippers, egg beaters & measuring cups, etc., Geneva, N. Y.
Chapman-Cross Construction & Realty Co., Montgomery, Ala.
Chapman Elec. Neutralizer Co., 584 Fore, Portland, Me.
Chapman Electrical Works, P. E., 10th & Walnut Sts., St. Louis, Mo.
Chapman Engine Co., Marcellus, Mich.
Chapman Engineering Co., Mt. Vernon, O.
Chapman, F. C., fruit dryers & evaporators, 1135 13th, Modesto, Cal.
Chapman, F. H., Contrg. Co., 103 Park ave., New York.
Chapman Fertilizer Co., Central Bldg., Los Angeles, Cal.
Chapman, Geo. H., St. Johns, Mich.
Chapman, H. B., Co., sash, door & blind, 81 Bristol, Boston, Mass.
Chapman, H. L., mfrs. gas engines, Marcellus, Mich.
Chapman, H. T., lbr., Newton, Miss.
Chapman Hardware Co., Durango, Colo.
Chapman Knitting Mills, 788 McLean ave., New York.
Chapman Lbr. Co., 1322 Carbon, Syracuse, N. Y.
Chapman Lumber Co., Title & Trust bldg., Portland, Ore.

CHAPMAN MACHINE CO., THE, Terryville, Conn.

Chapman Milling Co., flour, Sherman, Tex.
Chapman, O. L., charcoal, 2136 E. 15th, Los Angeles, Cal.
Chapman Plumbing Supp. Co., 204-208 W. 3d, S. W., Canton, Ohio.
Chapman-Price Steel Co., The, Shelby & Troy Sts., Indianapolis, Ind.
Chapman, Robt., & Co., contractors, 1874 Park Ave., New York.
Chapman-Sargent Co., The, Piqua, O.
Chapman Self-Locking Nut Co., The, Continental Bldg., Baltimore, Md.
Chapman Slate Co., 53 So. Main, Bethlehem, Pa.
Chapman Stained Glass Studios, 222 Hudson ave., Albany, N. Y.
Chapman Steam Specialty Co., regulators, Canton, O.

Chapman-Storm Lumber Co., Morgan City, La.
Chapman Valve Mfg. Co., Indian Orchard, Mass.
Chapman, W. H., foot presses, etc., 229 Mulberry, Newark, N. J.
Chapman, W. H., Co., hardware mfrs., Middletown, Conn.
Chapman, W. R., & Sons, contrs., 1506 Washington ave., Philadelphia, Pa.
Chapman's, T. M., Sons Co., machsts. & fndrs., Old Town, Me.
Chappell, F. H. & A. H., Co., lumber mfrs., New London, Conn.
Chappell Shingle Co., lumber, Granite Falls, Wash.
Chappell-Warren Co., heating contrs., 1830 St. Clair, Cleveland, Ohio.
Chappell, Waywell & Co., floor & wood surfacing machy., Waukegan, Ill.
Chappelle, Frank H., architect, 743 Ashland ave., Buffalo, N. Y.

CHAPPELOW ADVTG. CO., 1709 Washington St., St. Louis, Mo.

Chapper, F. A., iron wks., 652 E. Fort, Detroit, Mich.
Charbeneau, J. C., acetylene gas generators, Mt. Clemens, Mich.
Charcoal Iron Company of America, 1721 1st Nat. Bk. Bldg., Detroit, Mich.
Charcoal Supply Co., 1186 Cherry ave., Chicago, Ill
Chard & Howe, 256 Front St., New York.
Chard Lathe Co., New Castle, Ind.
Charlott, Salvatore, contr., South Norwalk, Conn.
Charlebois Bros., contractors, Watertown, N. Y.
Charleroi Hard Wall Plaster Co., Speers, Pa.
Charleroi Iron Wks., Charleroi, Pa.
Charles, Geo. H., Sons, contrs., Wilmington, Del.
Charles Sign Co., 1458 W. Kinzie, Chicago, Ill.
Charles, Wm. B., cotton waste, Amsterdam, N. Y.
Charleston Bolt & Forging Co., 444 Virginia St., Charleston, W. Va.
Charleston Canning Co., Charleston, Tenn.
Charleston Dry Dock & Mach. Co., Charleston, S. C.
Charleston Elec'l Supply Co., Charleston, W. Va.
Charleston Engineering & Contr. Co., Charleston, S. C.
Charleston Galvanized Iron Cornice & Steel Ceiling Wks., Charleston, S. C.
Charleston Hardware Co., 30 E. Trade, Charleston, W. Va.
Charleston Iron Works, Charleston, S. C.
Charleston Lead Wks., Charleston, S. C.
Charleston Lumber Co., Charleston, W. Va.
Charlestown Machine Co., Charlestown, N. H.
Charleston Mfg. Co., overalls, Charleston, W. Va.
Charleston Milling Co., flour, Charleston, Mo.
Charleston Milling & Produce Co., flour, Charleston, W. Va.
Charleston Window Glass Co., Charleston, W. Va.
Charlesworth, G. A., machsts., Elmer, N. Y.
Charlevoix Hardware Co., cornices & skylights, Charlevoix, Mich.
Charlevoix Lumber Co., Charlevoix, Mich.
Charlevoix Rock Products Co., lime mfrs., Charlevoix, Mich.
Charlotte Bros., machsts. & brass fndrs., Woonsocket, R. I.
Charlotte Casket Co., Piedmont, Charlotte, N. C.
Charlotte Coal & Supply Co., masons' & bldrs'. matls., Charlotte, N. Y.
Charlotte Furn. Co., Dept. H, Charlotte, Mich.
Charlotte Hardware Co., Charlotte, N. C.
Charlotte Leather Belting Co., 5th St., Charlotte, N. C.
Charlotte Mfg. Co., textile machy., S. Mint, Charlotte, N. C.
Charlotte Pipe & Fdry. Co., Commercial Bank Bldg., Charlotte, N. C.
Charlotte Roller Mills, flour, Charlotte, Tenn.
Charlotte Supply Co., mill & facty. supplies, Charlotte, N. C.
Charlotte Supply Co., Charlotte, N. C.
Charlotte Wagon & Auto Co., auto, wood bodies, Charlotte, N. C.
Charlotte Waste Co., Inc., Charlotte, N. C.
Charlottesville Lumber Co., Charlottesville, Va.
Charlton, J. J., lbr. mfrs., Kettle Falls, Wash.
Charter Gas Engine Co., Sterling, Ill.
Charter Oak Milling Co., Black River Falls, Wis.
Charter Oak Stove & Range Co., Antelope St. & Conduit St., St. Louis, Mo.
Charters Mfg. Co., incubators, Santa Cruz, Cal.
Chartiers Creek Coal Co., bituminous, Park bldg., Pittsburgh, Pa.
Charyn, Al., plbrs.' supplies, 430 W. Broadway, New York.
Chase & Co., crate material, Sanford, Fla.
Chase & Co., L. C., 89 Franklin St., Boston, Mass.
Chase & Cooledge & Co., Holyoke, Mass.
Chase, A. B., Co., organs & pianos, Norwalk, Ohio.
Chase Bag Co., 4 N. Main St., St. Louis, Mo.
Chase, Benj., Co., sticks (plant), Derry, N. H.
Chase City Mfg. Co., Chase City, Va.
Chase, D. D., Lumber Co., Haverhill, Mass.
Chase, Edw. O., machsts., 171 Washington, Newark, N. J.
Chase, F. A., & Co., mill & facty. supplies, 253 W. Exchange, Providence, R. I.

CHASE FDRY. & MFG. CO., 2700 S. Parsons Ave., Columbus, O.

Chase, Inc., Frank D., 720 N. Michigan Ave., Chicago.
Chase, Geo. E., & Co., marine hdwe., Jacksonville, Fla.
Chase-Granville Co., lbr., Baring, Me.
Chase, Hackley Piano Co., Muskegon, Mich.
Chase-Hibbard Corp., flour mills, Elmira, N. Y.
Chase Lumber Co., S. H., San Jose, Cal.
Chase Metal Works, 236 Grand Ave., Waterbury, Conn.
Chase, Parker & Co., wholesale hdwe. & mill & facty. supplies, 81 Pearl, Boston, Mass.
Chase, R. S., elec., contrs., 1114 24th ave., Minneapolis, Minn.
Chase, Roberts & Co., West Ave., Fifth and Sixth Sts., Long Island City, N. Y.
Chase Rolling Mills, Div. Chase Companies, Inc., brass rods, bars, tubing, etc., 236 Grand, Waterbury, Conn.
Chase-Shawmut Co., The, Newburyport, Mass.
Chase, Stephen, lumber mfrs., Hagedorns Mills, N. Y.
Chase Turbine Mfg. Co., Orange, Mass.
Chaska Brick & Tile Co., Ryan Bldg., St. Paul, Minn.
Chateaugay Pulp Co., Chateaugay, N. Y.
Chatfield & Chatfield, masons' & bldrs'. matls., 94 Benedict, Waterbury, Conn.
Chatfield & Sharp, fuel gas burners, Jamestown, N. Y.
Chatfield & Woods Co., paper, etc., 3rd & Plum, Cincinnati, Ohio.
Chatfield Brass & Iron Wks. Co., Escanaba, Mich.
Chatfield Bros., contrs., 54 Westwood rd., Westville, Conn.
Chatfield Canning Co., Chatfield, Minn.
Chatfield, E. S., machsts. & brass fndrs., Addison, N. Y.
Chatfield Mfg. Co., deadening felts, roofing & paving pitch, etc., Carthage, 3rd & Plum, Cincinnati, Ohio.
Chatfield Paper Co., 298-300-302 State, New Haven, Conn.
Chatham Carriage Co., Savannah, Ga.
Chatham Mfg. Co., woolen blankets, Elkin, N. C.
Chatham Oil & Fertilizer Co., Pittsboro, N. C.
Chatillon & Sons, John, 85 Cliff St., New York.
Chatsworth Brick & Tile Co., Chatsworth, Ga.
Chattahoochee Brick Co., Atlanta, Ga.
Chattanooga Armature Wks., 1218 Duncan Ave., Chattanooga, Tenn.
Chattanooga Blow Pipe & Roofing Co., 1040 Mec. ave., Chattanooga, Tenn.
Chattanooga Boiler & Tank Co., 1011 E. Maine St., Chattanooga, Tenn.
Chattanooga Bottle & Glass Mfg. Co., Alton Pk., Chattanooga, Tenn.
Chattanooga Brazing & Welding Co., 1309 Cnut., Chattanooga, Tenn.
Chattanooga Broom & Mop Co. See Universal Broom Co. (successors).
Chattanooga Buggy Co., 618 Cnut., Chattanooga, Tenn.
Chattanooga Coffin & Casket Co., 25th & Belt Ry., Chattanooga, Tenn.
Chattanooga Electro Metals Co., Chestnut at 21st St., Chattanooga, Tenn.
Chattanooga Furn. Co., 14th & Cnut., Chattanooga, Tenn.
Chattanooga Impl. & Mfg. Co., E. Chattanooga St., Chattanooga, Tenn.
Chattanooga Lumber Co., 2101 Westside St., Chattanooga, Tenn.
Chattanooga Machinery Co., N. Chattanooga St., Chattanooga, Tenn.
Chattanooga Mattress Co., 1st & Market, Chattanooga, Tenn.
Chattanooga Plow Co., Carter & Main St., Chattanooga, Tenn.
Chattanooga Pole Co., Temple Court, Chattanooga, Tenn.
Chattanooga River Brick Co., W. Masonry Ave. & Belt Ry., Chattanooga, Tenn.
Chattanooga Road Machinery Co., 1st Natl Bank Bldg., Chattanooga, Tenn.
Chattanooga Roofing & Foundry Co., Chattanooga, Tenn.
Chattanooga Sash & Millwork Co., Market & Cnut., Chattanooga, Tenn.
Chattanooga Saw Wks., 1572 William St., Chattanooga, Tenn.
Chattanooga Sewer Pipe Works, W. 11th & Cross St., Chattanooga, Tenn.
Chattanooga Stamping & Enameling Co., plates, Chattanooga, Tenn.
Chattanooga Wagon Co., East Lake St., Chattanooga, Tenn.
Chattanooga Wheelbarrow Co., 1300 E. 14th St., Chattanooga, Tenn.
Chatten, S. H., Lumber Co., Mutual Bldg., Kansas City, Mo.
Chatterton File Wks., 38 Randall, Providence, R. I.
Chatwin, Alfred, Supply Co., mill & facty. supplies, 426 Broome, New York.
Chatwin Bros. Riprap & Contracting Co., Shreveport, La.
Chaudron & Co., plate glass, 1112 Cathedral, Baltimore, Md.
Chauncey Warehouse & Mfg. Co., Chauncey, Ga.
Chautauqua Planing Mill Co., sash, door & blind mfrs., Falconer, N. Y.
Chautauqua Refrigerating Co., masons' & bldrs'. matls., Jamestown, N. Y.
Chautauqua Towel Mills, Jamestown, N. Y.
Chauvet & Coulter Co., lace machs., 245 7th ave., New York.
Chazy Marble Lime Co., Chazy, N. Y.
Cheatham Electric Switching Device Co., Louisville, Highland Park, Ky.
Cheboygan Mfg. Co., sash, door & blinds, Cheboygan, Mich.
Check Writer Mfrs., Inc., 111 Nassau St., New York.
Cheek & Belvin, brick, Durham, N. C.
Cheek, J. U., sashes, doors & blinds, Dunwoody, Ga.
Cheek, M. B., machs. & fdrs., Aurora, Ind.
Cheeseboro & Sand, lumber mfrs., Berne, N. Y.
Cheesebrough, Thos. E., rakes, wood handles, etc., Freeport, Mich.
Cheesman-Elliot, paint mfrs., 233 Flatbush ave., Brooklyn, N. Y.
Cheever Iron Ore Co., Port Henry, N. Y.
Chehalis Box Basket & Veneer Co., fruit packages, Chehalis, Wash.
Chehalis Brick & Tile Co., Chehalis, Wash.
Chehalis Fir Door Co., McCleary, Wash.
Chehalis Mill Co., saw mill, Dept. H, Chehalis, Wash.
Chehalis Shingle Co., Chehalis, Wash.
Chellberg, Otto, stone producers, Oak Park, Ill.
Chelsea Clock Co., 16 State St., Boston, Mass.
Chelsea Coal & Cement Co., masons' & bldrs. matls., Chelsea, Mass.
Chelsea Elevator Co., 439-441 W. 19th St., New York.
Chelsea Fibre Mills, Inc., Textile Bldg., 295 5th Ave., New York.
Chelsea File Works, Inc., The, Norwich, Conn.
Chelsea H'dwe. Co., who. h'dwe., Atlantic City, N. J.
Chelsea Mfg. & Supply Co., plbrs. supplies, 236 W. 20th, New York.
Chelsea Oil & Supp. Co., lubricants, 17 Battery pl., New York.
Chelsea Radio Co., receiving condensers, 150 5th, Chelsea, Mass.
Chelsea Screw Co., Chelsea, Mich.
Chelton Electric Co., Stenton & Rockland Sts., Philadelphia, Pa.
Chemey & Co., Inc., sanitary flooring, 134 W. 18th, New York.
Chemical & Engng. Co., belt dressing, fillers, etc., Watertown, N. Y.
Chem. & Metallurgical Engng., trade publication, 10th ave. at 36th, New York.
Chemical Age, trade publication, 381 Fourth ave., New York.
Chemical Charcoal Co., 195 Filmore ave., Buffalo, N. Y.
Chemical Co. of Am., 46 Murray, New York.
Chemical Economy Co., testing laboratories, 1640 N. Spring, Los Angeles, Ca.

CHEMICAL EQUIPMENT CO., 2457 South Western Ave., Chicago.

Chemical Equipment Co., The, 90 West St., New York.
Chemical Lime Co., Bellefonte, Pa.
Chemical Paper Mfg. Co., Holyoke, Mass.
Chemical Products Co., Washington, D. C., (New Federal Tungston Co.)
Chemical Products Co., see Federal Tungsters (successor).
Chemical Products Co., soluble cotton size, etc., 44K, S., Boston, Mass.
Chemical Products Co., 116 Christopher, New York.
Chemical Products Co., tanners' chemicals, 24 California, San Francisco, Cal.
Chemical Products Laboratories, Inc., E. St. Louis, Ill.
Chemical Pump & Valve Co., The, Perth Amboy, N. J.
Chemical Rubber Co., The, 1900 W. 112th St., Cleveland, O.
Chemical Service Laboratories, Inc., West Conshohokn, Pa.
Chemical Supply Co., boiler compounds, 724 S. San Pedro, Los Angeles, Cal.
Chemical Supply Co., soaps, etc., 2450 Canal rd., Cleveland, Ohio.
Chemical Toilet Corporation, Liverpool Road, Syracuse, N. Y.
Cheming Valley Steel Co., Elmira Heights, N. Y.
Chemitex Products Co., window shades, Box 755, Akron, Ohio.
Chenanco Equipments Mfg. Co., Inc., Norwich, N. Y.
Chenery & Co., mill & facty. supplies, Jamestown, N. D.
Cheney & Co., Inc., 110 W. 40th St., New York.

CHENEY & CO., INC., stucco work, flooring, etc., 110 W. 40th, New York.

Cheney & Son, S., Manlius, N. Y.
Cheney, A. C., Piano Action Co., Castleton, N. Y.
Cheney Bros., carriage & wagon wheel spokes, Jamaica, Vt.
Cheney Bros., plushes & velvets, So. Manchester, Conn.
Cheney, Frank P., lbr., Lowell, Mass.
Cheney Hammer Corp., Henry, Little Falls, N. Y.
Cheney Lime Co., Allgood, Ala.
Cheney, S. H., cornices & skylights, Fond du Lac, Wis.
Chep Steel Wool Co., 343 Greenwich St., New York.
Cheraw Oil & Fertz. Co., Cheraw, S. C.
Cheraw Sash, Door & Lbr. Co., Cheraw, S. C.
Cheres, Wm. R., Lanesville, Mass.
Cherman Furniture Co., 935 N. Main, Los Angeles, Cal.
Cherokee Brick Co., Macon, Ga.
Cherokee Falls Mfg. Co., Cherokee Falls, S. C.
Cherokee Fertilizer Co., Macon, Ga.
Cherokee Mfg. Co., machsts. & fndrs., Cherokee, Iowa.
Cherokee Mfg. Co., masons' & bldrs. matls., Dalton, Ga.
Cherokee Ochre Co., Cartersville, Ga.
Cherox Co., pharmaceuticals, Dept. H, Valparaiso, Ind.
Cherry Chemical Co., 1013 Callowhill, Philadelphia, Pa.
Cherry Creek Canning Co., Cherry Creek, N. Y.
Cherry Implement Co., machsts., Aurora, N. C.
Cherry, J. G., Co., dairy app., Cedar Rapids, Ia.
Cherry River Boom & Lumber Co., Penna. Bldg., Philadelphia, Pa.
Cherry River Paper Co., Scranton, Pa.
Cherry Tree Machine Co., Cherry Tree, Pa.
Cherry Valley Shingle Co., Duvall, Wash.
Cherry, Wm. A., Co., window cleaning guards, 181 6th, San Francisco, Cal.
Cherryvale Brick Co., Cherryvale, Kans.
Cherryvale Iron Wks. Co., Cherryvale, Kan.
Chesapeake & Ohio Railway Co., fuel mine operations, 299 B'way, New York.
Chesapeake & Virginia Coal Co., Inc., 710H, People's Nat. Bk. bldg., Lynchburg, Va.
Chesapeake Belting Co., 823 McKim, Baltimore, Md.
Chesapeake Corp., paper & pulp mills, West Point, Va.
Chesapeake Electric Co., The, 38 S. Calvert St., Baltimore, Md.
Chesapeake Fire Brick Co., Elkton, Md.

CHESAPEAKE IRON WORKS, Cleare & Kloman Sts., P. O. Box 1123, Baltimore, Md.

Pres. & Treas.—F. S. Chavannes.
Sec. & Pur. Agt.—Miss L. M. Dryden.
Sales Mgr.—C. H. Michel.
Representatives:
FLA.—Miami—I. E. Schilling Co.
ILL.—Chicago—A. M. Wright Co., 549 Washington Blvd., Main 2750.
MASS.—Boston—Alexander Haig, 200 Devonshire St., Congress 4752.
MICH.—Detroit—Cecil R. Lambert Co., 3454 Denton Ave., Empire 1163.
N. Y.—New York—Presley Hamilton, 149 Broadway, Cortland 6403.
N. C.—Charlotte—Charlotte Steel & Iron Co., E. P. Andrews, 216 Latonia Bldg.
PA.—Pittsburgh—Kirk Supply Co., 201 Bowman Bldg., Court 2568.
VA.—Richmond—R. M. Nolting, 119 Mutual Bldg.

Chesapeake Mach. Co., 3829 Eastern, Baltimore, Md.
Chesapeake Marine Ry. Co., machsts., Philpot cor. Point, Baltimore, Md.
Chesapeake Packing Co., Sherwood, Md.
Chesapeake Paperboard Co., box board mfrs., Woodall & Claggett, Baltimore, Md.
Chesapeake Roofing & Pipe Covering Co., 148 N. Gay St., Baltimore, Md.
Chesapeake Supply Co., Washington, D. C.
Chesebro, Whitman Co., 1167 1st Ave., New York.
Chesbrough, A. M., lbr., Thompson, Mich.
Chesebrough Mfg. Co., 17 State St., New York.
Cheshire, J., & Son, machsts. & fndrs., Martinsville, Va.
Cheshire Lime Mfg. Co., Cheshire, Mass.
Chesler Burlap Bag Co., H., Cleveland, O.
Chesley & Heinbach, contrs., 20 Breckenridge, Buffalo, N. Y.
Chesley Bros., machsts. & fndrs., Danville, Ill.
Chesley Co., A. C. (Kalamien Work), 704 E. 133rd St., New York, N. Y.
Chesley, J. L., machst. & fndr., Danville, Ill.
Chesnee Mills, cotton sheetings, Chesnee, S. C.
Chesnutt, Cooper & Co., bristles, 100 William, New York.
Chess & Wymond Co., cooperage stock, Louisville, Ky.
Chesson & Son, Harold, West Brookfield, Mass.
Chester County Motor Co., Coatesville, Pa.
Chester Enameling Co., leather, Chester, Pa.
Chester General Contracting Co., East Liverpool, Ohio.
Chester Graphite Co., Chester Springs, Pa.
Chester Granite & Polishing Wks., Chester, Mass.
Chester Hardware Co., Chester, S. C.
Chester, Jacob N., teasels, 109 Broadway, New York.
Chester Knitting Mills, 410 S. 4th St., St. Louis, Mo.
Chester Mach. & Lbr. Co., Chester, S. C.
Chester Mfg. Co., F. E., Bellefont St., Providence, R.I.
Chester Paper Co., Chester, Pa.
Chester Steel Castings Co., 407 Sansom St., Philadelphia, Pa.
Chester, W. R., & Co., lumber, 89 State, Boston, Mass.
Chesterman & Streeter, elastic & surgical hosiery, 25 S. 11th, Philadelphia, Pa.

CHESTERTON CO., A. W., 64 India St., Boston, Mass.

Distributors:
ALA.—Birmingham—Moore & Hadley Hardware Co.
Young & Vann Supply Co.
Mobile—McGowin—Lyons Hardware & Supply Co.
Montgomery—Lunn Machinery Co.
ARIZ.—Globe—Globe Hardware Co.
Nogales—Roy & Titcomb.
Phoenix—Pratt Gilbert Co.
Tucson—Albert Stainfield & Co.
ARK.—Helena—Lewis Mill Supply Co.
Little Rock—Central Supply Co.
CAL.—Fresno—Fresno Hardware Co.
Los Angeles—Pacific Pipe & Supply Co.
Warren & Bailey Mfg. Co.
Sacramento—Baker & Hamilton.

(Continued on following page)

CHESTERTON CO., A. W.—Continued.
San Francisco—Pacific Mine & Mill Supply Co., 616 Mission, Karny 4120.
San Diego—Western Metal Supply Co.
San Pedro—C. J. Hendry Co.
COLO.—Denver—Advance Machinery & Supply Co.
Mine & Smelter Supply Co.
CONN.—Hartford—Hamilton Engine & Packing Co.
Stacy Supply Co.
New Haven—C. S. Mersick & Co.
Waterbury—M. J. Daley & Sons.
D. C.—Washington—Thos. Somerville & Sons.
FLA.—Jacksonville—H. W. Hebb Supply Co.
S. B. Hubbard & Co.
Merrill, Stevens Ship Building Co.
Lakeland—Florida Machinery & Supply Co.
Mine & Mill Supply Co.
Miami—Cameron & Barkley Co.
Mulberry—Mine & Mill Supply Co.
Pensacola—Gulf Machine Works.
Tampa—Knight & Wall.
GA.—Albany—Georgia Mill Supply Co.
Atlanta—Dixie Packing Co.
J. M. Tull Rubber Supply Co.
Augusta—Lombard Iron Works & Supply Co.
Macon—J. S. Schofields Sons & Co.
Rome—Battey Machine Co., Inc.
Savannah—Georgia Supply Co.
IDAHO—Wallace—Coeur d'Alene Hardware Co.
ILL.—Chicago—Advance Packing & Supply Co., 808 W. Washington Blvd., Haymarket 8040.
W. D. Allen & Co., 566 W. Lake St., Main 0473.
Geo. B. Carpenter & Co., 436 N. Wells St., Franklin 6000.
IND.—Fort Wayne—Fort Wayne Oil & Supply Co.
Indianapolis—Central Rubber & Supply Co.
IA.—Des Moines—Globe Machinery & Supply Co.
KY.—Louisville—Belknap Hardware & Supply Co.
Standard Sanitary Mfg. Co.
LA.—Crowley—Arcadia Iron Works.
Lake Charles—Murray Brooks Hardware Co.
Monroe—Weaks Supply Co.
New Orleans—Dixie Mill Supply Co.
Woodward Wight Co., Ltd.
Shreveport—Henderson Iron & Supply Co.
Oil Well Supply Co.
Welsh—Armstrong Machinery & Well Works Co., Ltd.

MD.—Baltimore—Robert McMeikan & Son.
Frank R. Small, Equitable Bldg.
Spedden Supply Co.
MASS.—Fall River—Byron W. Anthony Co.
Holyoke—Holyoke Valve & Hydrant Co.
Pittsfield—Berkshire Mill Supply Co.
Robbins Gamewell & Co.
MICH.—Bay City—Alert Pipe & Supply Co.
Detroit—A. Harvey's Sons Mfg. Co., 210 First, Main 5186.
Grand Rapids—A. L. Holcomb Co.
Houghton—Portage Lake Hardware Co.
I. E. Swift Co.
Saginaw—Morley Bros.
MINN.—Duluth—Marshall Wells Co.
Minneapolis—Albert C. Price Co.
MISS.—Jackson—Mississippi Foundry & Machinery Co.
Meridian—General Supply & Machinery Co.
MO.—Kansas City—English Tool & Supply Co., 410 W. 5th, Main 5575.
U. S. Water & Steam Supply Co., 1315 W. 12th, Victor 9720.
St. Louis—Schroeder & Curry, Pontiac Bldg., Olive 2263.
MONT.—Helena—A. M. Hotter Hardware Co.
NEB.—Omaha—John Day Rubber & Supply Co.
U. S. Supply Co.
Lincoln—Western Supply Co.
N. H.—Manchester—J. B. Varick & Co.
N. J.—Atlantic City—E. Philip Allen & Co.
Passaic—New Jersey Engineering & Supply Co.
Trenton—Wiley-Hughes Supply Co.
N. Y.—Albany—Sager-Spuck Supply Co.
R. B. Wing & Son.
Alexandria Bay—Collins, Kellett & Co.
Amsterdam—J. E. Larrabee.
Buffalo—Peerless Mill Supply Co., 186 Main, Seneca 4785.
H. S. Wright, 14 Elk, Seneca 1118.
New York—John Simmons Co., 110 Centre, Franklin 5000.
Ogdensburg—P. Hackett Hardware Co.
Rochester—Barr & Creelman Co.
Syracuse—Syracuse Supply Co.
Utica—Chas. Miller & Son Co.
N. C.—Charlotte—Charlotte Supply Co.
New Bern—New Bern Iron Works.
Raleigh—Dillon Supply Co.
Washington—McKeel Richardson Hardware Co.
Winston-Salem—Crawford Mill Supply Co.
O.—Akron—Mill & Mine Supply Co.
Cincinnati—Cincinnati Gasket & Packing Co.
Doermann-Rochrer Co.
Cleveland—Ingraham Waste & Supply Co.
Columbus—Columbus Supply Co.
Dayton—Patterson Tool & Supply Co.
OKLA.—Tulsa—Frick Reid Supply Co.
ORE.—Astoria—Astoria Hardware Co.
Portland—General Rubber & Supply Co.
PA.—Allentown—W. H. Taylor & Co.
Bradford—Oil Well Supply Co.
Erie—Erie Mfg. & Supply Co.
Harrisburg—Henry Gilbery & Son.
Philadelphia—Paul B. Huyette Co., 5 S. 18th, Locust 2975.
Spaulding & Metcalf, 514 Arch, Lombard 8827.
Pittsburgh—Somers, Fitler & Todd Co., 327 Water, Court 4860.
Reading—Reading Foundry & Supply Co.
Scranton—Scranton Supply & Machinery Co.
Warren—Bradford Supply Co.
Williamsport—E. Keeler & Co.
York—Geo. Motters' Sons.
R. I.—Providence—Barker Chadsey & Co.
S. C.—Greenville—Carolina Supply Co.
TENN.—Chattanooga—James Supply Co.
Rogers Bailey Hardware Co.
Knoxville—Tenn. Mill & Mine Supply.
Memphis—E. C. Atkins Co.
J. E. Dilworth Co.
O. N. Nelson Mfg. Co.
Nashville—Gray & Dudley Hardware Co.
Keith, Simmons & Co.
TEX.—Austin—Walter Tipps Co.
Beaumont—Norvell Wilder Hardware Co.
E. L. Wilson Hardware Co.
Dallas—Briggs, Weaver Machinery Co.
El Paso—Krakauer Zork Co.
Galveston—Black Hardware Co.
Houston—F. W. Heitman & Co.
Peden Iron & Steel Co.
Paris—W. F. Dulaney & Sons.
Waco—D. June Machinery Co.
VA.—Bristol—Mitchell Powers Hardware Co.

CHESTERTON CO., A. W.—Continued.
Lynchburg—Barker Jennings Hardware Co.
Norfolk—Southern Supply Co.
Tide Water Supply Co.
Petersburg—Stockdell Myers Co.
Richmond—The David W. Graham Co.
Smith & Courtney Co.
WASH.—Bellingham—Morse Hardware Co.
Everett—The Lloyd Co.
Hoquiam—F. G. Foster Co.
Seattle—Schwabacher Hardware Co.
Seattle Hardware Co.
Whiton Hardware Co.
Spokane—Holly Mason Hardware Co.
Tacoma—Hunt & Mottet Co.
Sterling Machinery Co.
W. VA.—Huntington—Banks Supply Co.
Parkersburg—Oil Well Supply Co.
Wheeling—Trimble & Lutz.
Williamson—Williamson Supply Co.
WIS.—Aberdeen—L. G. Isaacson Co.
Ashland—Emil Garnish & Sons Hardware Co.
Milwaukee—Downey Heating & Supply Co.
Rundle-Spence Mfg. Co.

Foreign:
ALASKA—Fairbanks—The Sampson Hardware Co.
CAN.—Vancouver, B. C.—Fleck Bros., Ltd.
McLellan & McFeely & Co.
Simson Balkwell & Co., Ltd.
Winnipeg, Manitoba—Marshall Wells Co.

Chestnut Lumber Co., Nashville, Tenn.
Chestnut Ridge Corp., (Brick), 7 W. 45th St., New York.
Chestnut St. Engraving Co., Inc., 7th & Chestnut Sts., Philadelphia, Pa
Cheswold Canning Co., Aberdeen, Md.
Chevalier, E., Co., toys, 1121 Howard, San Francisco, Cal.
Cheves, Wm. R., granite producers, Lanesville, Mass.
Chevrolet, A. Co., gears, 410 W. 10th, Indianapolis, Ind.
Chevrolet Motor Co. of Michigan, Flint, Mich.
Chevrolet Motor Co., 57th & Broadway, New York.
Chew, Joshua, & Co., contractors, Lafayette, Ind.
Cheyenne Brick Co., Cheyenne, Wyo.
Cheyney, John K., sponges, Tarpon Springs, Fla.
Chicago & Bloomington Stone Co., Bloomington, Ind.
Chicago & Oak Park Cut Stone Co., Oak Park, Ill.
Chicago Addressing Co., 720 S. Dearborn St., Chicago.
Chicago Aluminum Castings Co., fndrs., 2647 Ogden Ave., Chicago, Ill.
Chicago Apparatus Co., laboratory apparatus & supplies, 701 W. Washington, Chicago, Ill.
Chicago Arch'l Photographing Co., Marquette Bldg., Chicago, Ill.
Chicago Art Metal Wks., monograms, 300 W. Lake, Chicago, Ill.
Chicago Asbestos Mfg. Co., asbestos cements, pipe coverings & roofing, 1909 W. 22d pl., Chicago, Ill.
Chicago Asbestos Table Mat Co., 2815 Irving Pk. Blvd., Chicago, Ill.
Chicago Ass'n of Commerce, The, 10 S. La Salle St., Chicago
Chicago Auto Equipment Co., slip covers, 901 W. Jackson blvd., Chicago, Ill.
Chicago Auto Supply House, carbon removers, 1351 S. Michigan Ave., Chicago, Ill.
Chicago Automatic Conveyor Co., 37 W. Van Buren St., Chicago.
Chicago Automatic Machine Co., 400 N. Oakley Blvd., Chicago.
Chicago Automatic Switch Co., 900 W. Lake, Chicago, Ill.
Chicago Bascule Bridge Co., 19 S. La Salle St., Chicago.
Chicago Bearing Metal Co., 310 S. Michigan Ave., Chicago.
Chicago Bearings Co., 2341 Wabansia St., Chicago.

CHICAGO BELTING CO., 110 N. Green St., Chicago.
Pres.—Edward H. Ball.
V.-P.—C. A. Ball.
Sales Mgr.—A. J. Weis.
Atlanta, Ga.—37 Trinity Ave.
Boston, Mass.—20-24 South St.
Cleveland, O.—1313 Sixth St., N. W.
Los Angeles, Cal.—218 East Third St.
Milwaukee, Wis.—610 Sycamore St.
New Orleans, La.—203 South Peters St.
New York—127-129 Water St.
Omaha, Nebr.—716 North 28th Ave.
Pittsburgh, Pa.—338 Third Ave.
Portland, Ore.—94 First St.
Rockford, Ill.—1320 Seventh St.
San Francisco, Cal.—126 Pine St.
Seattle, Wash.—108 Main St.

Chicago Binder & File Co., 500 W. 31st St., Chicago.

CHICAGO BLOW PIPE CO. (see Clark Dust Collecting Co., 116 Fisher Bldg.), Chicago.

Chicago Boiler Co., 1967 Clybourn Ave., Chicago.

CHICAGO BOILER TUBE CO., 200 E. Illinois St. Chicago.
George Talmage.

Chicago Box & Crating Co., 10 S. La Salle, Chicago, Ill.
Chicago Brick Co., 38 S. Dearborn St., Chicago.
Chicago Brick Mach'y Co., 2825 W. Harrison St., Chicago.

CHICAGO BRIDGE & IRON WORKS, Gen. Sales Office, 2105 Old Colony Bldg., Chicago.
Pres.—George T. Horton.
V. P. & Gen. Mgr.—Merle J. Trees.
Treas.—Horace B. Horton.
Atlanta, Ga.—1024 Healey Bldg.
Bridgeburg, Ont., Can.—Horton Steel Works, Ltd.
Dallas, Tex.—1611 Praetorian Bldg.
Greenville, Pa.—102 Pine St.
Montreal, Que., Can.—1006 Bank of Toronto Bldg.
New York—3124 Hudson Terminal Bldg.
San Francisco, Cal.—1045 Rialto Bldg.
Seattle, Wash.—L. C. Smith Bldg.
Works:
Eastern: Greenville, Pa. (Pittsburgh District).
Canadian: Bridgeburg, Ont.—Horton Steel Works, Ltd., 126 Janet St.
Central: Chicago, Ill.

Chicago Bronze Co., 110 W. Lake, Chicago, Ill.
Chicago Brush Mfg. Co., 28 W. Kinzie St., Chicago.
Chicago Bldrs.' Specialties Co., benders, clamps, floor clips, etc., 11 S. La Salle, Chicago, Ill.
Chicago Building Glass Co., 3516 N. Clark, Chicago, Ill.
Chicago Butchers' Packing Co., 216 N. Peoria, Chicago, Ill.
Chicago Cabinet Lock Co., 154 Whiting, Chicago, Ill.
Chicago Calcium Light Co., 2829 W. Lake St., Chicago, Ill.

CHICAGO CANVAS GOODS & FLAG CO., THE, 127 N. Dearborn St., Chicago.
Pres. & Treas—Walter J. Kelly.
V. P.—E. L. Kelly.
Sec.—E. Kelly.

Chicago Car Door Co., McCormick Bldg., Chicago, Ill.
Chicago Car Seal Co., 364 N. Green St. Chicago.
Chicago Carbonic Gas Co., liquid carbon dioxide, 904 W. Superior, Chicago, Ill.
Chicago Carton Co., 4433 Ogden Ave., Chicago.
Chicago Case Mfg. Co., 213 N. Morgan St., Chicago.
Chicago Casket Co., 932 W. Washington Blvd., Chicago, Ill.
Chicago Chemical Co., The, 420 N. Western Ave., Chicago.
Chicago-Cleveland Car Roofing Co., Kimball Bldg., Chicago.
Chicago Coach & Carriage Co., auto seats, 1223 S. Michigan Ave., Chicago, Ill.

CHICAGO COIL SPRING CO., 327 N. Albany Ave., Chicago, Ill.

Chicago Commissary Co., 549 W. Washington St., Chicago.
Chicago Concentrated Food Co., 3059 Sheffield Ave., Chicago, Ill.
Chicago Concrete Post Co., 4727 N. Lamon, Chicago, Ill.
Chicago Conduit Rod Coupling Co., 1744 Arthur Ave., Chicago.
Chicago Copper & Chemical Co., 111 W. Jackson Blvd., Chicago.
Chicago Cork Wks. Co., 1243 S. Wabash Ave., Chicago, Ill.
Chicago Cornice Co., 210 S. Western Ave., Chicago, Ill.
Chicago Corrugated Box Mills, 47th & Lake Park, Chicago.
Chicago Crane & Hoist Co., 3303-11 Cuyler Ave., Chicago.
Chicago Creosoting Co., Waukegan, Ill.

CHICAGO CRUCIBLE COMPANY (Crucibles & Cupaloy) 2525 Clybourn av., Chicago.
Pres. & Treas.—Adolph F. Hottinger.
V. P.—Gustav Hottinger, James P. Foraker.
Sec.—Geo. W. Van Cleave.
Asst. Sec. & Asst. Treas.—Arthur H. Kaeppel.
Distributors:
ALA.—Birmingham—Hill & Griffith Co.
CAL.—Los Angeles—Chamberlain Co.
San Francisco—L. H. Butcher Co., 862 Mission, Douglas 1730.
COLO.—Denver—Mine & Smelter Supply Co.
CONN.—Hartford—E. J. Woodison Co.
MICH.—Detroit—E. J. Woodison Co.
MO.—St. Louis—E. J. Woodison Co.
N. Y.—Buffalo—E. J. Woodison Co., 146 Chandler, Bidwell 3213.
O.—Cincinnati—Hill & Griffith Co.
Cleveland—E. J. Woodison Co.
PA.—Philadelphia—E. J. Woodison Co., Grays Fer. & 33rd St., Oregon 6952.
WIS.—Milwaukee—E. J. Woodison Co.

Chicago Curled Hair Co., 2301-33 S. Paulina St., Chicago.
Chicago Curtain Stretcher Co., 3725 Wall St., Chicago.
Chicago Decorated Leather Co., chair seats, 2415 W. 24th Pl., Chicago, Ill.
Chicago Decorating Co., 1357 N. Wells St., Chicago.
Chicago-Detroit Bag Co., Marquette Bldg., Chicago, Ill.
Chicago-Detroit Bag Co., Goshen, Ind.
Chicago Die & Mach. Wks., 415 N. Carpenter, Chicago, Ill.
Chicago Down Draft Furnace Co., 115 S. Clinton St., Chicago.
Chicago Drainage Const. Co., 30 N. La Salle, Chicago, Ill.
Chicago Dryer Co., 2210-2220 N. Crawford Ave., Chicago.
Chicago Electrical Construction Co., electric motors, 740 W. Van Buren, Chicago, Ill.
Chicago Elec. Mfg. Co., automobile lamp, 2817 S. Halsted, Chicago, Ill.
Chicago Electric Sign Co., 2225 W. Grand, Chicago, Ill.
Chicago Engineer Supply Co., 68 W. Lake, Chicago, Ill.

CHICAGO ENVELOPE CO., 57 E. Madison St., Chicago.

CHICAGO EXPANSION BOLT CO., 5 S. Clinton St., Chicago.

CHICAGO EYE SHIELD CO., 2337 Warren Ave., Chicago.
Robt. Malcolm, G. A. Malcolm, E. L. Jones.

Chicago Faucet Co., 2712 N. Crawford Ave., Chicago.
Chicago Feather Duster Co., 818 Fulton St., Chicago.
Chicago Ferrotype Co., cameras, photograph machy., 624 N. Oakley, Chicago, Ill.
Chicago Ferrule & Nut Co., 880 Lill Ave., Chicago, Ill.
Chicago Fibre Box Co., 831 Rees St., Chicago.
Chicago File & Rasp Co., Grand Haven, Mich.
Chicago Fire Brick Co., 111 W. Washington St., Chicago.
Chicago Fire Hose Co., 124 W. Lake, Chicago, Ill.
Chicago Flag & Decorating Co., The, 13th & Wabash av., Chicago.

CHICAGO FLEXIBLE SHAFT CO., 1150 S. Central Ave., Chicago.
Branch Offices:
CAL.—San Francisco—768 Mission St.
IND.—Indianapolis—4805 Park Ave.
KY.—Louisville—1205 Starks Bldg.
MASS.—Boston—79 Milk St.
MICH.—Detroit—608 Kerr Bldg.
MINN.—St. Paul—Pioneer Bldg.
MO.—St. Louis—4507 McPherson Ave.
N. Y.—New York—16 Reade St.
Rochester—943 Granite Bldg.
O.—Cincinnati—306 Sycamore.
Cleveland—608 Sweetland Bldg.
PA.—Philadelphia—R. 306, Wesley Bldg.
Pittsburgh—1200-01 Standard Life Bldg.
WIS.—Milwaukee—1738 Nineteenth St.
Canadian Factory:
Toronto, Ont.—349 Carlaw Ave.

Chicago Floor Co., 132 W. Washington Blvd., Chicago, Ill.
Chicago Form Co., 411 S. Wells St., Chicago.
Chicago Foundation Co., contrs., 76 W. Monroe, Chicago, Ill.
Chicago Fndry. Co., 2021 N. Major, Chicago, Ill.
Chicago Fountain Soda Water Co., 1140 W. Harrison, Chicago, Ill.
Chicago Furnace Supply Co., 1276-82 Clybourn Ave., Chicago.

CHICAGO FUSE MFG. CO., Lafin and 15th Sts., Chicago.
Chairman of Board.—A. D. Dana.

(Continued on following page)

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CHICAGO FUSE MFG. CO.—Continued.
Pres.—Wm. W. Merrill.
V. P.—Walter D. Dana.
V. P. & Treas.—George C. Reid.
Sec.—Felix Trautmann.
Mgr. of Sales.—E. J. Hamilton.
Branch Offices:
Boston, Mass.—12 Pearl St., Room 46.
Detroit, Mich.—718 Free Press Bldg.
Indianapolis, Ind.—617 State Life Bldg.
New York—105 W. 40th St.
Philadelphia, Pa.—421 Weightman Bldg.

Chicago Gear Mfg. Co., 2823 Fulton St., Chicago.
Chicago Glass Novelty Co., advertg. letter signs, 1206 Branson, Marion, Ind.
Chicago Glove & Mitten Co., 458 N. Halsted, Chicago, Ill.
Chicago Glue Co., 2012 W. Kinzie St., Chicago.
Chicago Gold Coin Stove Wks., 2001 Blue Island Ave., Chicago, Ill.
Chicago Gold Enamel Co., 53 W. Jackson Blvd., Chicago.
Chicago Granitine Mfg. Co., artificial stone ldry. tubs, 3619 Wall, Chicago, Ill.
Chicago Gravel Co., 343 S. Dearborn St., Chicago.
Chicago Gum Tape Co., sealing machs., 187 N. Dearborn, Chicago, Ill.
Chicago Hammock Co., 523 N. Union Ave., Chicago, Ill.

CHICAGO HAND LEATHER CO., 326 River St. Chicago.
H. C. Schroeder, F. W. Wocher.
New York.—30 Church St., P. C. Cady.

Chicago Handle Bar Co., Shelby, Ohio.
Chicago Hardware Foundry Co., North Chicago, Ill.
Chicago Heights Boiler Wks., Chicago Heights, Ill.
Chicago Heights Bottle Co., Chicago Heights, Ill.
Chicago Heights Constr. Co., Chicago Heights, Ill.
Chicago Heights Oil Mfg. Co., dairy, horse & mule feed, Chicago Heights, Ill.
Chicago Hosiery Co., lumbermen's socks, 1907 Michigan Ave., Detroit, Mich.
Chicago House Wrecking Co. of Minn., Inc., pumping jacks, farm trucks & machsts., 80 E. Fillmore Ave., St. Paul, Minn.
Chicago Incinerator Co. (Garbage Disposal Plants, etc.), 320 E. No. Water, Chicago, Ill.
Chicago Insulated Wire & Mfg. Co., Sycamore, Ill.

CHICAGO INSULATED WIRE & MFG CO., Sales Office, Monadnock Blk., Chicago.
Pres.—A. B. Gechenour.
Treas.—Wm. MacAllister.
Secy.—L. R. Love.
Office and Factory—Sycamore, Ill.
Distributors:
ALA.—Birmingham—Matthews Electric Supply Co.
COLO.—Denver—Hazard Mfg. Co.
ILL.—Peoria—Diamond Electric Supply Co.
Rock Island—H. E. Gelhart & Co.
IND.—Evansville—Varney Electrical Supply Co.
Indianapolis—Varney Electrical Supply Co.
Terre Haute—Advance Electric Co.
IA.—Davenport—Tri-City Electric Supply Co.
Sioux City—McGraw Company.
KANS.—Abilene—Union Electric Co.
KY.—Louisville—Belknap Hardware & Mfg. Co.
MICH.—Escanaba—Delta Hardware Co.
MINN.—Duluth—Electrical Supplies Co.
Minneapolis—Findley Electric Co.
Peerless Electric Co.
Sterling Electric Co.
St. Paul—Price Electric Co.
St. Paul Electric Co.
MO.—Kansas City—B-R Electric Co.
St. Joseph—Columbian Electrical Co.
St. Louis—Brown & Hall Supply Co., 1504 Pine, Olive 8280.
McGraw Company, 2018 Locust, Boment 3170-J.
MONT.—Butte—Montana Electric Co.
NEBR.—Lincoln—Korsmeyer Company.
Omaha—McGraw Company.
OHIO—Cantno—Moock Electric Supply Co.
Cincinnati—Creaghead Engineering Co.
Doerman-Rohrer Co.
Johnson Electric Supply Co.
Dayton—Wm. Hall Electric Co.
Youngstown—Moock Electric Supply Co.
OKLA.—Oklahoma City—Southwest General Electric Co.
TEX.—Dallas—Southwest General Electric Co.
WIS.—Milwaukee—Julius Andrae & Sons Co.

Chicago Iron Fdry Co., 2313 Austin Ave., Chicago, Ill.
Chicago Journal Bearing Co., machsts. & fndrs., 519 W. Van Buren, Chicago, Ill.
Chicago Knife Works, 228 S. Clinton St., Chicago.
Chicago Label & Box Co., 312-28 N. May St., Chicago.
Chicago Lamp & Fixture Co., 1516 S. Wabash Ave., Chicago.
Chicago Laundry Machinery Co., 213 W. Grand Ave., Chicago.
Chicago Leather & Mercantile Co., leather gaskets & washers, 1421 Blue Island, Chicago, Ill.
Chicago Lumber Co. of Washington, 612 Long Bldg., Kansas City, Mo.
Chicago Lumber Co. (of Omaha), Omaha, Neb.
Chicago Lumber & Coal Co., 11 S. La Salle St., Chicago.
Chicago Lumber & Coal Company, 824-6 Arcade Bldg., St. Louis, Mo.
Chicago Lumber Sales Co., 20 E. Jackson Blvd., Chicago.
Chicago Machine & Washer Co., 2625 W. 15th St., Chicago.
Chicago Mach. Tool Co., 649 Washington Blvd., Chicago.
Chicago Machinery & Equipment Co., 916 1st St., S. Seattle, Wash.
Chicago Machinery Exchange, 1522 W. 22nd St., Chicago.
Chicago Mailing Tube Co., 425 S. Hoyne av., Chicago.

CHICAGO MALLEABLE CASTINGS CO., 1300 W. 120th St., Chicago.
Pres.—Silas J. Llewellyn.
V. P.—John T. Llewellyn.
Treas.—Paul Llewellyn.
Secy.—James S. Llewellyn.

Chicago Malleable Iron Co., founders, Blue Island & Western Aves., Chicago, Ill.
Chicago Mfg. Co., 1464 S. Michigan Ave., Chicago.
Chicago Mat Board Co., 664 Washington blvd., Chicago.
Chicago Mdse & Equipment Co., 828 Exchange Ave., Chicago.
Chicago Metal Covering Co., mouldings, 2835 Lake, Chicago, Ill.
Chicago Metal Sign Co., 20 N. Wells, Chicago, Ill.
Chicago Metal Mfg. Co., 37th & S. Rockwell Sts., Chicago.
Chicago Metal Reduction Co., 452 N. Claremont Ave., Chicago.
Chicago Metal Weather Strip Co., 1617 N. Troy, Chicago.
Chicago Metallic Mfg. Co., 3711 S. Ashland Ave., Chicago.

CHICAGO MICA COMPANY, Cor. Campbell, Valparaiso, Ind.
Pres.—A. W. Pickford, Philadelphia, Pa.
Secy.—John P. Griffin, Valparaiso, Ind.
Baltimore, Md.—15 E. Saratoga St.
Birmingham, Ala.—Age-Herald Bldg.
Boston, Mass.—10 Court St.
Chicago—11 S. Desplaines St.
Cleveland, O.—1034 St. Clair Ave., N. E.
Denver, Colo.—1422 16th St.
Detroit, Mich.—326 Ford Bldg.
Los Angeles, Cal.—310 E. 4th St.
Minneapolis—917A Marquette Ave.
New York—305 Broadway.
Philadelphia, Pa.—927 Sansom St.
Pittsburgh, Pa.—Oliver Bldg.
Rochester, N. Y.—730 Powers Bldg.
St. Louis, Mo.—601 Fed. Res. Bank Bldg.
Salt Lake City, Utah—Dooly Bldg.
San Francisco, Cal.—171 Second St.
Seattle, Wash.—Hinckley Bldg.
Toronto, Ont., Can.—220 King St., W.

Chicago Mill & Lumber Co., 500 N. Dearborn St., Chicago.
Chicago Millwork Supply Co., 1404 W. 37th, Chicago, Ill.

CHICAGO MINIATURE LAMP WORKS, 652 W. Lake St., Chicago.

Chicago Mirror and Art Glass Co., 216 N. Clinton St., Chicago.
Chicago Mission Furniture Co., 1929 Clybourn Ave., Chicago, Ill.
Chicago Motor Truck Co., 335 W. 28th pl., Chicago, Ill.
Chicago Motor & Vibrator Co., 163 N. Wabash, Chicago.

CHICAGO NEOSTYLE ENVELOPE CO., THE, 5 S. Wabash Ave., Chicago.
Pres.—Harry A. Swigert.
Sec.—Frank E. Van Denburg.
Cincinnati, O.
St. Louis, Mo.
Foreign:
Montreal, Can.
London, Eng.

Chicago Nipple Mfg. Co., 1966 Southport Ave., Chicago.
Chicago Nov. Co., steam cookers, 537 S. Dearborn, Chicago, Ill.
Chicago Nut Co., 2513 Cullerton St., Chicago.
Chicago Oxygen Gas Co., 1046 W. Van Buren, Chicago.
Chicago Packing Co., meat packers, 4535 Gross Ave., Chicago, Ill.
Chicago Pennant Co., 6542 Cottage Grove, Chicago, Ill.
Chicago Paper Co., 801 S. Wells St., Chicago.
Chicago Paper Tube & Can Co., 168 N. May St., Chicago.

CHICAGO PERFORATING CO., 2447 W. 24th Place, Chicago.

Chicago Plumbing Supply Co., 726 W. Grand Ave., Chicago, Ill.
Chicago Plush & Leather Case Co., jewelry cases, 110 N. Franklin, Chicago, Ill.

CHICAGO PNEUMATIC TOOL CO., Gen. Offices, Chicago Pneumatic Bldg., New York.
Pres.—H. A. Jackson.
V. P.—A. E. Goodhue.
Asst. Mgr.—J. L. Rowe.
Pneumatic Service Engr.—A. C. Andersen.
Service Stations and Branch Offices:
ALA.—Birmingham—R. S. Marshall, Dist. Mgr. L. A. Dekin, 1925 N. 5th Ave.
CALIF.—Los Angeles—L. T. Peckman, Dist. Mgr., 307-9 E. 3rd St., Broadway 1523.
San Francisco—H. J. Bradley, Dist. Mgr., G. Grand Porter, 175 First St., Karny 2014.
COLO.—Denver—C. R. Brutus, Cooper Blvd.,
ILL.—Chicago—G. C. Vandenboom, Dist. Mgr., J. D. Crowley, N. S. Thulin, 572 W. Randolph St., State 5410.
LA.—New Orleans—Ross Wyeth, Dist. Mgr., 853 Carondelet St., Main 5819.
MASS.—Boston—F. V. Sargent, Dist. Mgr., 172 High St., Main 2506.
MICH.—Detroit—H. C. Gilligan, Dist. Mgr. Brush & Larned Sts., Northway 4806.
MINN.—Minneapolis—D. M. Wesbrook, Dist. Mgr., 5th Ave. & 5th St., So., Atlantic 3402.
MO.—St. Louis—J. W. McCabe, Dist. Mgr., F. R. Ligget, 813 Hempstead St., Tyler 82.
N. Y.—Buffalo—G. E. Allen, 1150 Delvn Ave., Oxford 5554.
New York—W. C. Straub, Dist. Mgr., D. E. Cook, E. K. Lynch, H. R. Deubel, 6 E. 44th St., Vanderbilt 9600.
OHIO—Cincinnati—T. G. Smallwood, Dist. Mgr. Cor. Pearl & Vine Sts., Main 3208.
Cleveland—Ross Watson, Dist Mgr., C. W. Campbell, C. B. Coates. 1241 E. 49th St., Randolph 80.
OKLA.—Tulsa—D. K. Hutchcraft, 23 East Brady St.
PENN.—Philadelphia—A. M. Brown, Dist. Mgr., L. P. Light, E. M. Swing, 237 N. 12th St., Spruce 2207.
Pittsburgh—R. F. Eissler, Dist. Mgr., H. J. Trueblood, 132 7th St., Court 3774.
TEX.—Houston—W. B. Giddings, Second Nat'l Bk. Bldg. Preston 4174.
UTAH—Salt Lake City—320 W. 2nd St. So.
VA.—Richmond—W. L. Jeffries, Dist. Mgr., J. M. Stayman, 1004 Mutual Bldg., Madison 5726.
WASH.—Seattle—W. S. Lynch, Dist. Mgr., 119 Jackson St., Elliott 1887.
Foreign Representatives:
ARGENTINA—Buenos Aires—Evans, Thornton & Co., Calle Defensa 465.
BELGIUM—Porte de Hal, Brussels—The Consolidated Pneumatic Tool Co., Ltd. 22, Chaussee de Forest.
BRAZIL—Sao Paulo—M. Almeida & Company, Rua Assemblea, 40, Rio de Janeiro, Rua Da Quihtana, 15.
CANADA—Montreal—The Holden Company, Ltd.
Toronto—The Holden Company, Ltd.
Winnipeg—The Holden Company, Ltd.
Vancouver—The Holden Company, Ltd.
CHINA—Shanghai—Allied Machinery Co. of America, 15 Foochow Road, (New York Address 90-96 Wall St.)
CUBA—Havana—V. G. Mendoza Co., Apartado 1620, Cuba No. 3.
FINLAND—Helsingfors—G. Hartman Maskinaffar, Finska Aktiebolaget.
FRANCE—Paris—Anc Etab. Glaenzer & Perreaud 18-20 Faubourg du Temple.
GERMANY—Berlin—Internationale Pressluft & Elektricitats Gesellschaft, m.b.H. Weinmeisterstrasse 14.
GREAT BRITAIN—London, W1.—The Consolidated Pneumatic Tool Co., Ltd. Egyptian House, 170 Picadilly.
Branch: Aberdeen, Belfast, Birmingham, Cardiff, Glasgow Leeds, Newcastle.
HAWAIIAN ISLANDS—Honolulu—H. S. Gray & Co., 832 Fort St.
HOLLAND—Rotterdam—Chicago Pneumatic Tool Co., Wijnhaven 98.
ITALY—Milan—The Consolidated Pneumatic Tool Co., Ltd., Via A. Campellini 7.
INDIA—Calcutta—The Consolidated Pneumatic Tool Co., Ltd., 8 Olive St.
Fort Bombay—The Consolidated Pneumatic Tool Co., Ltd., Amerchand Building, Ballard Road.
JAPAN—Tokyo—Head Office Horne Company, Ltd., 6-7 Takiyama-Cho Kyobashi-ko (Branch: Osaka, Kobe, Nagoya, Hakata, Otaru, Japan, Dairan, Manchuria, Seoul, Korea.)
NORTHERN MEXICO—Chihuahua—D. A. Carpenter Co., 303 San Francisci St., El Paso, Tex.
Sonora and Sinaloa—Chicago Pneumatic Tool Co., Los Angeles, Cal.
NORWAY—Christiana—A. S. G. Hartmann, P. O. Box 1.
PHILLIPPINE ISLANDS—Manila—Henry W. Peabody Co., Hong Kong & Shanghai Bank Bldg.
SOUTH AFRICA—Durban—The Consolidated Pneumatic Tool Co., Ltd. 29, Cato St.
Johannesburg—The Consolidated Pneumatic Tool Co., Ltd., 190 Main St.
URUGUAY—Montevideo—Evans Thornton & Co., Calle Uruguay, 831.

Chicago Portland Cement Co., 111 W. Washington, Chicago, Ill.
Chicago Pottery Co., 1924 Clybourn Ave., Chicago.
Chicago Pressed Steel Co., 4650 W. Harrison St., Chicago.

CHICAGO PULLEY & SHAFTING CO., 29 N. Desplaines St., Chicago.
Mgr.—S. A. Ellicson.

CHICAGO PUMP CO., 2342 Wolfram st., Chicago.

Chicago Radio Apparatus Co., 415 S. Dearborn St., Chicago.
Chicago Radio Laboratories, 332 S. Michigan, Chicago.

CHICAGO RAILWAY EQUIPMENT CO., 80 E. Jackson Blvd., Chicago.
Pres.—E. B. Leigh.
Asst. to Pres.—A. Wyman.
V. P.—A. C. Moore.
2nd V. P.—F. T. Delong.
Asst. to V. P.—G. N. Van Sweringen.
Sec. & Treas.—E. T. Walker.
Gen. Supt.—E. E. Griest.
Mech. Eng.—E. G. Busse.
Chicago—E. G. Busse, F. R. Carlson, F. T. DeLong, E. E. Griest, W. C. Hubbard, E. B. Leigh, E. A. LeBeau, A. C. Moore, G. N. Van Sweringen, H. M. Van Sweringen, E. T. Walker, A. Wyman.
Montreal, Que.—New Birks Bldg., Canadian Appliance Co., Frank Bergen.
New York—30 Church St. R. J. Sheridan.
Richmond, Va.—Mutual Bldg., W. L. Jefferies, Jr.
St. Louis, Mo.—Railway Exchange Bldg., S. U. Busch.
San Francisco, Calif.—Hobart Bldg., Herbert G. Cook.

Chicago Railway Printing Co., 720 S. Dearborn St., Chicago.

CHICAGO RAILWAY SIGNAL & SUPPLY CO., Peoples Gas Bldg., Chicago.
Pres.—E. W. Vogel.
Secy.—W. A. Schroeder.
Treas.—H. C. McNell.
New York—30 Church St., C. R. Ahrens.
St. Louis, Mo.—796 Arcade Bldg., John T. O'Fallon, Jr.
St. Paul, Minn.—306 Hackney Bldg., W. M. McClintock.

CHICAGO RAWHIDE MFG. CO., THE, 1307 Elston Ave., Chicago.
Pres.—W. H. Emery.
V. P. & Sales Mgr.—H. A. Clark.
Sec.—M. A. Emery.
Boston, Mass.—127 Broad St., Lewis E. Tracy Co.
Detroit, Mich.—428 E. Jefferson Ave., S. C. McCombs.
New York—109 Broad St., H. E. Steele.

Chicago Recording Scale Co., machsts. & fndrs., Waukegan, Ill.
Chicago Reed Ware Co., 3127 W. Chicago av., Chicago.
Chicago Retort & Fire Brick Co., 208 S. La Salle St., Chicago, Ill.
Chicago Rivet & Specialty Co., 4842 W. Kinzie St., Chicago.
Chicago Roller Skate Co., 4458 W. Lake, Chicago, Ill.
Chicago Rubber Clothing Co., Racine, Wis.
Chicago Rubber Co., mill & facty. supplies, 428 W. Washington, Chicago, Ill.
Chicago Safe & Merchandise Co., 73-75 W. Lake St., Chicago.
Chicago Sandoval Coal Co., McCormick Bldg., Chicago.
Chicago Sanitary Rag Co., 2137 Loomis St., Chicago.
Chicago Sash, Door & Blind Mfg. Co., 1249 W. North Ave., Chicago.
Chicago Scale Co., 7700-7740 S. Chicago Ave., Chicago.
Chicago Ship Building Co., 101 S. Calumet River St., Chicago.
Chicago Show Card Wks., signs, cardboard, 406 Dearborn, Chicago, Ill.
Chicago Signal Co., 312 S. Green, Chicago, Ill.
Chicago Smelting & Refining Co., 25th & Loomis, Chicago, Ill.
Chicago Soda Fountain Co., 1301 Larrabee, Chicago, Ill.

CHICAGO SOLDER CO., 4202 Wrightwood Ave., Chicago.
Distributors:
ALA.—Birmingham—Moore-Handley Hardware Co.
Mobile—McGowin-Lyons Hdwe. & Supply Co.
Selma—Tissier Hardware Co.
Tuscaloosa—Allen & Jemison Co.
ARIZ.—Nogales—Roy & Titcomb, Inc.
Phoenix—Pratt-Gilbert Co.
ARK.—Fort Smith—Atkinson-Williams Hardware Co.
Speer Hardware Co.

(Continued on following page)

CHICAGO SOLDER CO.—Continued.
Little Rock—Fones Bros. Hdwe. Co.
CALIF.—Los Angeles—California Hardware Co., 500 E. 1st St., Trinity 7621.
Ducommun Hdwe. Co., 219-239 Central Ave., Main 8093.
Harper & Reynolds Co., 152 N. Main St., Trinity 7731.
Pacific States Electric Co., 236 S. Los Angeles, Trinity 8621.
Union Hardware & Metal Co.
Oakland—Western Heavy Hdwt. & Iron Co.
San Francisco—Baker, Hamilton & Pacific Co., 700 7th St., Park 9000.
Chanslor & Lyon Company, 734 Polk, Prospect 929.
Dunham, Carrigan & Hayden Co., Kansas & Division, Park 9500.
Holbrook, Merrill & Stetson, 6th & Bluxome, Sutter 60.
Ziesel Company, Louis J., 286 Market, Douglas 3508.
COLO.—Denver—M. L. Foss, 1729 California.
Hendrie & Bolthoff Mfg. & Supply Co., 1639 17th St., Main 75.
Moore Hardware & Iron Co., 1529 15th St., B. K. Sweeney Elect. Co., 13th Ave & Broadway, Main 5822.
Tritch Hdwe Co., Bank Bldg., Main 177.
CONN.—New Haven—C. S. Mersick & Co.
DEL.—Wilmington—Delaware Hdwe. Co.
D. C.—Washington—F. P. May Hdwe. Co.
Rudolph & West Co.
FLA.—Tampa—Tampa Hdwe. Co.
Jacksonville—Consolidated Grocery Co.
GA.—Atlanta—King Hdwe. Co.
Beck & Gregg.
Crumley-Sharp Hdwe. Co.
Savannah—Conklin Tin Plate & Metal Co.
IDAHO—Boise—Idaho Electric Sup. Co.
Northrop Hdwe. Co.
ILL.—Chicago—W. D. Allen Mfg. Co., 566 W. Lake St., Main 0473.
Automobile Supply Co., 1601 S. Michigan Ave., Calumet 4330.
Beckley-Ralston Co., 1801 S. Michigan Ave., Calumet 7140.
Central Electric Co., 230 S. Wells St., Wabash 2160.
Electric Appliance Co., 801 W. Jackson, Monroe 5020.
Hibbard, Spencer, Bartlett & Co., 303 N. State St., Central 7280.
E. D. Kimball & Co., 159 N. Market St., Franklin 2774.
Rehm Hdwe. Co., 1501 Blue Island Ave., Canal 2380.
Decatur—Morehouse & Wells Co.
Joliet—Barrett Hdwe. Co.
Peoria—Clark-Smith Hdwe. Co.
Cummings & Emerson Co.
Tenk Hdwe. Co.
Isaac Walker Hdwe. Co.
Quincy—Tenk Hdwe. Co.
IND.—Evansville—Boetticher & Kellogg Co.
Fort Wayne—Fort Wayne Iron Store Co.
National Mill Sup. Co.
Indianapolis—W. J. Holliday & Co.
Standard Metal Co., 135 S. Penn St.
Van Camp Hdwe. & Iron Co.
Richmond—Jones Hdwe. Co.
Miller Bros. Hdwe. Co.
IA.—Burlington—Burlington Iron Store Co.
Donahue Co., Robert.
Drake Hdwe. Co.
Cedar Rapids—Cedar Rapids Pump & Supply Co.
Clinton—Moeszinger-Marquis Hdwe. Co.
Council Bluffs—Empire-Shugart-Hill Co.
Davenport—Sieg Company.
Des Moines—Brown-Camp Hdwe. Co.
Globe Machinery & Supply Co.
Herring Motor Co.
Luthe Hdwe. Co.
Dubuque—Ernsdorff Iron Co., John.
A. Tredway & Sons Hdwe. Co.
Fort Dodge—Prusia Hdwe. Co.
Keokuk—A. Weber Co.
Ottumwa—Harper & McIntire Co.
Haw Hdwe. Co.
Sioux City—Knapp & Spencer Co.
McGraw & Spencer Co.
Simmons Hdwe. Co.
Sioux City Iron Company.
Warnock & Company.
Waterloo—Cutler Hdwe. Co.
Repass Automobile Co.
KAN.—Atchison—Blish, Mize & Silliman Hdwe. Co.
A. J. Harwi Hdwe. Co.
Klostermier Bros. Hdwe. Co.
Fort Scott—A. C. Penniman & Son Hdwe. Co.
Hutchinson—Auto Supply Co.
Colladay Hdwe. Co., Frank.
Leavenworth—Crancer Hdwe. Co.
Tholen Bros.
Salina—Lee Hdwe. Co.
Topeka—W. A. L. Thompson Hdwe. Co., 511 Kansas St.
Wichita—Martin Metal Mfg. Co.
Massey Hdwe. Co.
Motor Equipment Co.
Simmons Hdwe. Co.
KY.—Louisville—Belknap Hdwe. & Mfg. Co.
Robinson Bros. & Co., 609 W. Main St.
LA.—Lake Charles—Murray-Brooks Hdwe. Co.
Monroe—Monroe Hdwe. Co., Inc.
New Orleans—Electric Appliance Co.
Interstate Electric Co.
Southern Hdwe. & Woodstock Co.
Stauffer, Eshleman & Co., Ltd.
Oliver H. Van Horn Co., Inc.
ME.—Portland—Edwards & Walker Co.
Talbot, Brooks & Ayer.
MD.—Baltimore—Anderson & Ireland Co.
Duke-Peterson Hdwe. Co.
R. W. Norris & Sons, 342 N. Gay St.
Hagerstown—Schindel, Rohrer & Co., Inc.
MASS.—Boston—Bigelow & Dowse Co., 229 Franklin St., Main 5607.
Davies-Ely Co.
Decatur & Hopkins Co., 124 High St., Main 3642.
Simmons Hdwe. Co., 118 Purchase St., Congress 1574.
Wetmore-Savage Co., 76 Pearl, Congress 1900.
Holyoke—J. Russell & Co.
Springfield—Charles C. Lewis Company.
Winchester-Simmons Co.
MICH.—Bay City—Bay City Hdwe. Co.
Jennison Hdwe. Co.
Detroit—Buhl Sons Company, Foot of Adair, Edgewood 4000.
Standart Bros. Hdwe. Corp., 501 W. Jefferson, Cadillac 1340.
Escanaba—Delta Hdwe. Co.

CHICAGO SOLDER CO.—Continued.
Grand Rapids—Michigan Hdwe. Co., 100 Ellsworth St.
Foster Stevens & Co.
Kalamazoo—Edwards & Chamberlain Hdwe. Co.
Port Huron—Beard, Campbell & Company.
Saginaw—Morley Brothers.
MINN.—Duluth—Kelly-Duluth Co.
Kelly-How-Thomson Co.
Marshall-Wells Company.
Minneapolis—Janney, Semple, Hill & Co.
Minneapolis Iron Store Co., 512 Washington Ave.
Plant Rubber Company.
Simmons Hdwe. Co., 4th & Tud Ave. N.
Williams Hdwe. Co., 100 Tud Ave. N.
St. Paul—Farwell, Ozmun, Kirk & Co.
Hackett-Gates-Hurty Co., 4th & Rosabel Sts.
Nicols, Dean & Gregg, 8th & Sibley.
Northwestern Electric Equip. Co.
MO.—Joplin—Joplin Supply Co.
Kansas City—Bonniwell-Calvin Iron Co., 10th & Hickory, Harrison 3630.
B.-R. Electric Co., 1411 Walnut, Harrison 7450.
Elfeldt Hdwe. & Machinists Supply Co., 1219 McGee, Harrison 0941.
Faeth Co., 1127 W. 8th, Harrison 2285.
Funsten Electric Co., 1310 Wyandotte, Grand 1070.
Harbison Mfg. Co., 10th & Mulberry, Main 0557.
Richards & Conover Hdwe. Co., 5th & Wyandotte, Main 7600.
Stowe Supply Co., 13th & Hickory, Main 3390.
Townley Metal & Hdwe. Co., 200 Walnut, Main 0200.
St. Joseph—Robinson Heavy Hdwe. Co.
Ross-Frazer Iron Co.
Wyeth Hdwe. & Mfg. Co.
St. Louis—Beck & Corbitt Iron Co., 1230 N. Main St., Olive 2440.
Campbell Iron Co., 819 Cass St., Tyler 2100.
Geller, Ward & Hasner Hdwe. Co., 414 N. 4th St., Main 3500.
Shapleigh Hdwe. Co., 4th & Washington, Main 5400.
Sligo Iron Store Co., 1301 N. 6th St., Tyler 3050.
Winchester-Simmons Hdwe. Co., 9th & Spruce, Main 3400.
Witte Hdwe Co., 706 N. 3rd St., Main 5440.
Springfield—McGregor-Noe Hdwe. Co.
Rogers & Baldwin Hdwe. Co.
MONT.—Billings—Marshall-Wells Co.
Ryniker-Winter Hdwe. Co.
Butte—Montana Hdwe. Co.
NEB.—Hastings—W. M. Dutton & Sons Co.
Lincoln—Henkle & Joyce Hdwe. Co.
Korsmeyer Co.
Omaha—Lee-Coit-Andereesen Hdwe. Co.
Omaha-Baum Iron Store Inc.
Paxton & Gallagher Co.
Wright & Wilhelmy Co.
N. H.—Manchester—John B. Varick Company.
N. Y.—Albany—Albany Hdwe. & Iron Co.
Buffalo—Beals, McCarthy & Rogers, 50 Terrace, Seneca 2820.
Buffalo Wholesale Hdwe. Co., 317 Washington, Seneca 4700.
H. D. Taylor Co., 101 Oak St., Seneca 5304.
Elmira—Barker, Rose & Clinton Co.
Ithaca—Treman, King & Co.
Malone—Riley-Kellogg Co., Inc.
H. D. Thompson & Co.
New York City—Davies-Ely Co., 66 W. Broadway, Barclay 6644.
Hammacher, Schlemmer & Co., 133 4th Ave., Stuyvesant 7000.
Masback Hdwe. Co., 82 Warren, Barclay 8700
W. E. Pruden Hdwe. Co., 258 W. 52nd St., Circle 1931.
Plattsburgh—M. P. Myers & Co., Inc.
Rochester—Barr & Creelman Co.
Mathews & Boucher.
Sidney B. Roby Co., 421 South Ave.
Weed & Co., 15 Exchange.
Syracuse—Burhans & Black, Inc.
Troy—J. M. Warren & Co.
N. C.—Charlotte—American Hdwe. & Equip. Co.
Ko-Mo Supply Co.
Greensboro—Odell Hdwe. Co.
Monroe—Monroe Hdwe. Co.
Winston-Salem—Brown-Rogers Co.
N. D.—Grand Forks—Auto Supply Co.
O.—Canton—Canton Hdwe. Co.
Cincinnati—Wm. T. Johnston Co.
E. A. Kinsey Co.
Kruse & Bahlmann Hdwe. Co., 408-22 Pioneer st.
J. R. Wood Supply Co.
Cleveland—W. Bingham Co., 1278 W. 9th St.
Luetkemeyer Co.
Geo. Worthington Co.
Columbus—Smith Bros. Hdwe. Co.
Dayton—Dayton Iron & Steel Co., 119 E. 3rd St.
Mansfield—Wagner Hdwe. Co.
Toledo—Bostwick-Braun Co., Summit & Monroe Sts.
Simmons Hdwe. Co., 34-48 Erie St.
Youngstown—Stambaugh-Thompson Co.
OKLA.—Clinton—Welch Wholesale Hdwe. Co.
McAlester—Russell Hdwe. Co.
Oklahoma City—Oklahoma City Hdwe. Co.
Richards & Conover Hdwe. Co.
Harrison Smith Co.
Tulsa—Gates-Nichols Hdwe. Co., Elgin & Brady Sts.
ORE.—Portland—Failing-McCalman Co., 83 Front st.
Honeyman Hdwe. Co.
M. L. Kline Co., 15th & Lovejoy Sts.
Marshall-Wells Co.
PA.—Danville—W. W. Welliver Hdwe. Co.
Harrisburg—Henry Gilbert & Son.
Johnstown—Swank Hdwe. Co.
Lancaster—Herr & Co.
Reilly Bros. & Raub.
Steinman Hdwe. Co.
Lewisburg—C. Dreisbach's Sons.
Philadelphia—Hall & Carpenter, 518 Race, Market 4100.
Supplee-Biddle Hdwe. Co., 513 Commerce, Lombard 8200.
Winchester-Simmons Hdwe. Co., 2008 S. 13th St., Oregon 1019.
Pittsburgh—Hukill-Hunter Co., 35 Terminal Way, Hemlock 0720.
James C. Lindsay Hdwe. Co., 12 8th St., Grant 0581.
Logan-Gregg Hdwe. Co., 121 9th St., Grant 0724.
Joseph Woodwell Co., 201 Wood St., Court 1060.
Punxsutawney—Punxsutawney Hdwe. Co.

CHICAGO SOLDER CO.—Continued.
Scranton—Lansing Bros., Inc.
Chas. B. Scott Co.
Williamsport—Kline & Co.
York—Fulton, Mehring & Hauser Co.
R. I.—Providence—Belcher & Loomis Hdwe. Co.
S. C.—Anderson—Sullivan Hdwe. Co.
Charleston—C. D. Frankee Co.
Greenville—Sullivan-Markley Hdwe. Co.
Spartanburg—Spartan Hdwe. Co.
S. D.—Aberdeen—Jackson Hdwe. Co.
Sioux Falls—Dakota Iron Store Co.
Larson Hdwe. Co.
Watertown—Watertown Motor Accessories Co.
Rapid City—Duhamel Co.
TENN.—Chattanooga—Faucette-Huston Co.
Knoxville—C. M. McClung & Co.
Nashville—Gray & Dudley Co.
Keith-Simmons & Co.
TEX.—Amarillo—Amarillo Hdwe. Co.
Morrow-Thomas Hdwe. Co.
Austin—W. H. Richardson & Co.
Walter Tips Co.
Beaumont—E. L. Wilson Hdwe. Co.
Corpus Christi—Corpus Christi Hdwe. Co.
Dallas—Electric Appliance Co.
Huey & Philip Hdwe. Co.
Moore Bros. Electric Co., Inc.
El Paso—Krakauer-Zork Co.
Fort Worth—Texas Heavy Hdwe. Co., 1605 Commerce St.
Houston—F. W. Heitmann Co., 113 Main St.
Peden Iron & Steel Co.
Sherman—Hardwicke-Etter Co.
Waco—Herrick Hdwe. Co.
McLendon Hdwe. Co.
San Antonio—Krueger Machinery Co.
UTAH—Salt Lake City—Salt Lake City Hdwe. Co
Strevell-Peterson Hdwe. Co.
Zion's Co-Operative Mercantile Institution.
VT.—Burlington—Vermont Hdwe. Co.
VA.—Danville—Piedmont Hdwe. Co.
Lynchburg—Barker-Jennings Hdwe. Corp.
Petersburg—Charles Leonard Hdwe. Co., Inc.
Richmond—Benton-Bailey Co.
Richmond Hdwe. Co.
Virginia-Carolina Hdwe. Co.
Roanoke—Nelson Hdwe. Co.
Roanoke Hdwe. Co.
WASH.—Seattle—Schwabacher Hdwe. Co., 1st S. & Jackson.
Seattle Hdwe. Co., 501 1st S. St.
Whiton Hdwe. Co.
Spokane—Holter Hdwe. Co.
Jensen-King-Byrd Co.
Tacoma—Hunt & Mottet Co.
Yakima—Yakima Hdwe. Co.
W. VA.—Clarksburg—Williams Hdwe. Co.
Huntington—Foster-Thornburg Hdwe. Co.
Parkersburg—Wiant & Barr Hdwe. Co.
Wheeling—Greer & Laing.
Ott-Heiskell Hdwe. Co.
Spears & Riddle Co.
WIS.—Green Bay—Morley-Murphy Hdwe. Co.
La Crosse—Fred Kroner Hdwe. Co.
Tausche Hdwe. Co., V.
Milwaukee—Frankfurth Hdwe. Co.
Phillip Gross Hdwe. & Sup. Co.
John Pritzlaff Hdwe. Co.
Shadbolt & Boyd Iron Co.
WYO.—Casper—Casper Sup. Co.

Chicago Special Constr. Co., 53 W. Jackson blvd., Chicago, Ill.
Chicago Spring Hinge Co., 1500 Carroll Ave., Chicago.
Chicago Springfield Coal Co., Springfield, Ill.
Chicago Stage Lig. Co., 112 N. La Salle, Chicago, Ill.
Chicago Stair Co., 2134 S. Troy St., Chicago.
Chicago Steam Heating Co., 1009 N. Wells, Chicago.
Chicago Steel & Wire Co., The, 10257 Torrence Ave., Chicago.
Chicago Steel Car Co., Harvey, Ill.
Chicago Steel Foundry Co., 3720 S. Kedzie Ave., Chicago.
Chicago Steel Post Co., 209 N. Michigan Ave., Chicago. (Now Red Top Steel Post Co.)
Chicago Steel Tank Co., 1313-21 S. 55th Ct., Cicero, Ill.
Chicago Steel Tape Co., 6231 Cottage Grove Ave., Chicago.
Chicago Steel Wheel Co., Gary, Ind.
Chicago Stock Gear Works, 105-109 S. Jefferson St., Chicago.
Chicago Stone Conduit Co., Addison & Chi. River, Chicago, Ill.
Chicago Store & Office Fixture Co., 818 S. Clinton St., Chicago.
Chicago Surgical & Elec. Co., laboratory apparatus, etc., 324 W. Supr., Chicago, Ill.
Chicago Switchboard Mfg. Co., 426 S. Clinton, Chicago.
Chicago Tanning Co., leather gloves, 1500 Dayton, Chicago, Ill.
Chicago Tape & Label Co., 521 N. Spaulding Ave., Chicago.
Chicago Telephone Supply Co., Elkhart, Ind.
Chicago Tile Arch Furniture Co., 2600 W. Grand Ave., Chicago.
Chicago Tool & Kit Co., 160 Whiting, Chicago, Ill.
Chicago Tool Reclaiming Co., 145 Austin Ave., Chicago.
Chicago Tube & Iron Co., 2531 W. 48th St., Chicago.
Chicago Tubing & Braiding Co., Dept. D., Blatchford Bldg., Chicago.
Chicago Union Lime Wks. Co., 1900 W. 19th St., Chicago.

CHICAGO VARNISH WORKS, 2100 Elston Ave., Chicago.
Gen. Mgr.—W. J. Sohlinger.
Sales Mgr.—Gordon Barber.

Chicago Veneer Co., Burnside, Ky.
Chicago Veneer Co., 1500 S. Western Ave., Chicago.
Chicago Wall Paper Mill, Steubenville, Ohio.
Chicago Waste Co., cotton & woolen waste, 1210 Elston Ave., Chicago, Ill.

CHICAGO WATCHMAN'S CLOCK COMPANY, 1526 S. Wabash Ave., Chicago, and 9 Church St., New York.

Chicago Well Supply Co., 228 W. Ontario St., Chicago.
Chicago Wheel & Mfg. Co., 1101 W. Monroe St., Chicago.
Chicago White Lead & Oil Co., 1454 S. Western Ave., Chicago.
Chicago, Wilmington & Franklin Coal Co., McCormick Bldg., Chicago, Ill.
Chicago Wire Chair Co., 619 N. La Salle St., Chicago.

CHICAGO WIRE, IRON & BRASS WORKS, THE, Belmont and Western Aves., Chicago.

Chicago Wire Rope Preserver Company, 1551 W. Madison St., Chicago.
Chickamauga Fertilizer Works, Atlanta, Ga.
Chickamauga Fertilizer Wks., Vol. Life Bldg., Chattanooga, Tenn.

Chickamauga Quarry & Constr. Co., 1st Nat'l. Bk. Bldg., Chattanooga, Tenn.
Chickasaw Cooperage Co., Phillips Ave., Memphis, Tenn.
Chickasaw Lumber Co., Ardmore, Okla.
Chickasaw Machine & Foundry Co., Inc., 298 N. 2nd St., Memphis, Tenn.
Chickasaw Tile Co., Chickasaw, Ohio.
Chickasha Milling Co., flour, Chickasha, Okla.
Chickering & Sons, pianos, 791 Tremont, Boston, Mass.
Chickering Bros., 2250 S. Park Ave., Chicago.
Chico Contrg. Co., Chico, Cal.
Chicopee Mfg. Corp., cotton blankets, duck, flannels & sheetings, Chicopee Falls, Mass.
Chidlow Lumber Co., T. J., Meridian, Miss.
Chief Kokomoko Spec. Co., furn. polish, Kokomo, Ind.
Child & Scott, heating contrs., 112 Wooster, New York.
Child Chair & Wheel Co., G. F., 1753 W. Van Buren St., Chicago.
Child, G. F., Chair & Wheel Co., invalid chairs, 1753 W. Van Buren, Chicago, Ill.
Child, Stephen, landscape architect, 7 Water, Boston, Mass.
Childs & Co., C. M., 41 Summitt St., Brooklyn, N. Y.
Childs & Co., Inc., H. L., 249 Water St., Pittsburgh, Pa.
Childs & Co., Inc., S. D., 136 S. Clark St., Chicago.
Childs Bros., contractors, Tallahassee, Fla.
Childs, H. Hodgens, Inc., 130 S. 15th, Philadelphia, Pa.
Childs, Jno., Sr., Smiths Ferry, Pa.
Childs, O. J., Co., Inc., now Foamite-Childs Corp., Utica, N. Y.
Childess Furn. Co., Dept. H, Fort Worth, Tex.
Children's Vehicle Corp., East Templeton, Mass.
Childress Mills, flour, Childress, Va.
Childsdale Paper Co., Childsdale, Mich.
Chilean Commercial Bureau, Inc., pine pitch & railroad supplies, 165 B'way, New York.
Chiles, E. N. & Co., flour mills, Gilmores Mills, Va.
Chilhawie Extract Co., Newport, Tenn.
Chilhowie Milling Co., flour, Chilhowie, Va.
Chillicothe Hardware Co., Chillicothe, Ohio.
Chillicothe Iron Co., Chillicothe, Mo.
Chillingworth Mfg. Co., gear cases, West Side Ave., Jersey City, N. J.
Chiloquin Lbr. Co., Chiloquin, Ore.
Chilson Furnace Co., Mansfield, Mass.
Chilton Canning Co., Chilton, Wis.
Chilton, Geo., cornices, Rouses Point, N. Y.
Chilton, Henry J., patent broker, 110 S. Dearborn, Chicago, Ill.
Chilton Paint Co., 81 Fulton, New York.
Chilton Tractor & Equip. Journal, 56th & Chestnut, Philadelphia, Pa.
China & Japan Trading Co., loofahs, 115 Broad, New York.
China Grove Roller Mills, China Grove, N. C.
China Products, see Poxon Pottery (successor)
Chinn Mineral Co., Harrodsburg, Ky.
Chino Tank Mfg. Co., Mentor & Huston, Cincinnati, Ohio.

Chinook Packing Co., canned goods, Chinook, Wash.
Chioldi Bros., Barre, Vt.
Chipley Home Mixture Guano Co., Chipley, Ga.
Chipman Chemical Engineering Co., Inc., 136 Liberty St., New York.
Chippewa Falls Canning Co., Chippewa Falls, Wis.
Chippewa Falls Woolen Mills, woolen blankets, Chippewa Falls, Wis.
Chippewa Foundry & Machine Co., Chippewa Falls, Wis.
Chippewa Milling Co., flour, Montevideo, Minn.
Chippewa Shale Brick Co., Chippewa Lake.
Chipror Stamp Co., baggage checks, rubber stamps, etc., 224 W. 1st, Los Angeles, Cal.
Chiquola Mfg. Co., cotton sheetings, Honeapath, S. C.
Chiris Antoine Co., oils, 147 Waverly, New York.
Chisholm & Company, Ltd., John E., Monadnock Blk., Chicago.
Chisholm, Boyd & White Co., 610 W. 57th St., (at Wallace), Chicago.
Chisholm Co., barber poles & furniture, 178 Centre, New York.
Chisholm, J. O., & Co., contractors, New Orleans, La.
Chisholm-Moore Mfg. Co., The, Lakeside Ave. & E. 49th St., Cleveland.
Chisholm-Scott Co., machinists, Cadiz, Ohio.
Chisos Mining Co., 51 Exchange, Portland, Me.
Chittenden, E. D., Co., fertilizer mfrs., 1115 Main, Bridgeport, Conn.
Chittenden & Eastman Co., mattresses, Burlington, Ia.
Chloride of Silver Dry Cell Bty. Co., 407 N. Paca, Baltimore, Md.
Choctaw Lbr. Co., Silas, Ala.
Choctaw Lbr. Co., Wright, Okla.
Choctaw Lumber Co., 833 L. S. Exchange Bldg., Kansas City, Mo.
Choctaw Pressed Brick Co., McAlester, Okla.
Choice, J. I., flour, Kilgore, Tex.
Chowan Cotton Oil & Fertilizer Co., Edenton, N. C.
Chowning Regulator Corp., Corning, N. Y.
Chris Sign & Wall Paper Co., electric illuminated, Seattle, Wash.
Chrisman Foundry Co., Morgantown, W. Va.
Chrisman's Const. Co., Christman, Ill.
Chrisney Canning Co., Chrisney, Ind.
Chrispin, Jas. G., Lime & Cement Co., 2117 Monroe Ave., Norwood, Cincinnati, Ohio.
Christ Bros. Mfg. Co., tex. machy. supplies (tapes, braid & cords), 1303 Buttonwood, Philadelphia, Pa.
Christ, C. H., furniture, Dept. H, Stockton, Cal.
Christa-Batchelder Marble Co., 7437 St. Aubin, Detroit, Mich.
Christen Bellows & Mfg. Co., see Christen, J. C., Mfg. Co. (successors)
Christen, J. C., Mfg. Co., 2802 N. 15th, St. Louis, Mo.
Christensen & Sons, N., Beaufort, S. C.
Christensen, C., (Work Benches), 2814-42 W. 26th St., Chicago.
Christensen, C. S., Co., flour, Madelia, Minn.
Christensen Construction Co., Felt Bldg., Salt Lake City, Utah.
Christensen, Fred, Constr. Co., Perth Amboy, N. J.
Christensen, H. M., Co., shoe knives, Brockton, Mass.
Christenson Lbr. Co., lbr. mfg., 1950 3d, San Francisco, Cal.
Christensen Lumber Co., San Francisco, Cal.
Christensen Machine Co., The, Racine, Wis.
Christenson, Wm., ornamental struct. iron & steel, York, Pa.
Christian Bros. Soap Co., 42 Delaware Ave., Albany, N. Y.
Christian Construction Co., Durham, N. C.
Christian, Geo. C. & Co., flour, 1004 New Ch. Com., Minneapolis, Minn.
Christian, J. E. & Co., contractors, 1119 Superior Ave., N. E., Cleveland, Ohio.
Christian, Jno., Mfg. Co., thresher teeth, San Jose, Cal.
Christian, Joseph D., 251 Lehama, San Francisco, Cal.
Christian, L. & Co., flour, Shakopee, Minn.
Christian, Schwartzenberg & Gaede Co., architects, Euclid Bldg., Cleveland, Ohio.

CHRISTIANA MACHINE CO., Christiana, Pa.

Christiansen Bros., contractors, 469 1st Ave., Milwaukee, Wis.
Christiansen, C., cabinet makers' benches, clamp, 2814 W. 26th, Chicago, Ill.
Christiansen, Chas., cornices, 276 Water, New York.
Christianson, Peter, contr., De Kalb, Ill.
Christie, Alex., & Co., automobile springs, Seattle, Wash.
Christie Co., L. R., 307 4th Ave., Pittsburgh, Pa. (Dryers.)
Christie Cut Stone Co., 2082 Elzey, Memphis, Tenn.
Christie Frey Co., 417 E. 3d., Los Angeles, Cal.
Christie Machine Works, 222 Howard, San Francisco, Cal.
Christman, A. G., Co., washing machines, ironing boards, Reading, Pa.
Christman, B., lumber, Loyal, Wis.
Christman, H. G., Co., 713 Antoinette, Detroit, Mich.
Christman, H. G., Co., contractors, 506 S. Notre Dame, South Bend, Ind.
Christman Piano Co., 597 E. 137th, New York.
Christmann, Phillip, & Sons Co., doors, sheet metal, etc., 858 Virginia, Buffalo, N. Y.
Christoffel's, A., Sons, scrapers, cleaners, boiler flue or tube, 277 Eldert, Brooklyn, N. Y.
Christopher & Simpson Iron Wks., 9th & Pk. Ave., St. Louis, Mo.
Christopher & Son, Geo. C., Wichita, Kan.
Christopher Co., Jno. G., Jacksonville, Fla.
Christopher, J. G., Co., mill & facty. supplies, 416 E. Bay, Jacksonville, Fla.
Christopher-Cunningham Co., The, 427 Greenpoint Ave., Brooklyn, N. Y.
Christy Co., razor mfrs., Fremont, Ohio.
Christy Knife Co., Fremont, O.
Chrobaltic Tool Co., 502 Railway Exchange, Chicago.
Chrome Steel Works, Chrome, N. J.
Chromister, V. H., soap, Decatur, Ill.

CHRYSTAL, CHAS. B., 13 Cliff st., New York.

Chryster & Koppier, store fixtures & refrigerators, 819 W. Warren Ave., Detroit, Mich.
Chubbuck, E. J., 731 Market, San Francisco, Cal.
Chubbuck Furnace Co., 1738 Washington, Boston, Mass.
Chupka, Jno. & Son, contr., Berwyn, Ill.
Church & Co., E. I., West Hanover, Mass.
Church & Dwight Co., 27 Cedar St., New York.
Church & Morse, whol. hdwe. & mill & facty. supplies, Meriden, Conn.
Church Appliance Mfg. Co., La Salle, Ill.
Church Art Work Co., Mt. Vernon, N. Y.
Church, D. O., Co., contractors, 68 Post, San Francisco, Cal.
Church Expansion Bolt Co., The, Isaac, East Norwalk, Conn.
Church, E. C., Co., whol. hdwe. & mill & facty. supplies, 5 Eddy, Providence, R. I.
Church, Elmore, lbr. mfrs., Brasher Falls, N. Y.
Church, Jas. A., Co., contractors, 262 Sherman Ave., New Haven, Conn.
Church, John, Co., pianos, 109 W. 4th, Cinncinnati, O.
Church Lumber Co., Ronda, N. C.
Church Mfg. Co., C. F., Holyoke, Mass.
Church, Stephen B., Seymour, Conn.
Church, Stephen B., 210 Congress, Boston, Mass.
Churchill & Allen, shoe tacks, nails, etc., Lynn, Mass.
Churchill Cabinet Co., 2119 Chuchill St., Chicago.
Chuse Engine & Mfg. Co., Mattoon, Ill.
Chute & Butler Co., organs & pianos, Peru, Ind.
Ciba Company, Inc., Cedar & Wash. Sts., New York.
Cibara Mfg. Co., vegetable glue, 2236 Eugenia, St. Louis, Mo.
Cicero Fuel & Building Material Co., Cicero, Ill.
Cicero Llumber Co., Cicero, Ind.
Cifax Packing Co., canned goods, Cifax, Va.
Cific Ball Bearing Co., 415 W. Pico, Los Angeles, Cal.
Cigar Mach. Corp. of Amer., 506 N. Eutaw, Baltimore, Md.
Cig-Ash-Ador Co., cuspidors, ash trays, 960 Mission, San Francisco, Cal.
Cigol-Behrens Rubber Co., Lodi, N. J.
Cilley, W. W., & Co., machinists, Lynn, Mass.
Cinch Fastener Corp., curtain car fasteners, 2339 W. Van Buren, Chicago, Ill.
Cincinnati Abattoir Co., meat packers, Spring Grove Ave., near Stock Yards, Cincinnati, Ohio.
Cincinnati Advtg. Prod. Co., signs, glass, 1101 York, Cincinnati, Ohio.
Cincinnati Auto Specialty Co., slip covers & tops, 312 Main, Cincinnati, Ohio.

CINCINNATI AUTOMATIC MACHINE CO., Oakley, Cincinnati, O.

Cincinnati Bag Co., 601 E. 5th, Cincinnati, Ohio.
Cincinnati Ball Crank Co., Oakley, Cincinnati, O.
Cincinnati Bell Fdry. Co., 2953 Spring Grove Ave., Cincinnati, O.
Cincinnati-Bickford Tool Co., South & Oakley Sts., Cincinnati, O.
Cincinnati Butchers' Supply Co., 1972 Central av., Cincinnati, O.
Cincinnati Cabinet Co., "Furniture," 2264H Bogen, Cincinnati, Ohio.
Cincinnati Car Co., Winton Pl., Cincinnati, O.
Cincinnati Cement Products Co., garden furniture, window refrigerators, 2020 Dana Ave., Cincinnati, Ohio.
Cincinnati Chemical Works, Inc., dyestuffs, Evanston Station, (Norwood), Cincinnati, Ohio.
Cincinnati Cigar Box Co., gum lumber mfrs., 2d & John, Cincinnati, Ohio.
Cincinnati Clay Products & Supply Co., brick & masons' mtls., 534 Main, Cincinnati, Ohio.
Cincinnati Cornice Wks., 637 W. Court, Cincinnati, O.

CINCINNATI CUSHION CO., 118 and 120 Opera Pl., Cincinnati, O.

Pres., Pur. Agt & Treas.—C. E. German, Cincinnati, O.
Sec. & Gen. Mgr.—D. J. Schuler.
Gen. Sales Apts.—Ellsworth Bldg., Chicago, Squire, Cogswell Co.

CINCINNATI ELECTRICAL TOOL CO., THE, 1501-3-5 Freeman Ave., Cincinnati, O.

Pres. & Treas.—J. A. Goldman.
V. P.—Joseph Wolf.
Sec.—Louis Wolf.
Branch Offices and Distributors:
ALA.—Birmingham—Young & Vann Sup. Co.
CAL.—Los Angeles—Union Hdwe. & Metal Co.
Waterhouse & Lester Co.
Oakland—Waterhouse & Lester Co.
San Francisco—Berger & Carter Co., 400 Mission St., Douglas 3010.
W. H. Gilbert, Jr., 1710 Larkin St., Garfield 339.
Waterhouse & Lester Co., 540 Howard St., Garfield 4040.
CONN.—New Haven—The C. S. Mersick & Co.
GA.—Atlanta—Beck & Gregg Hdwe. Co.
Seeger Machine Tool Co.
ILL.—Chicago—Samuel Harris & Co., 114 N. Clinton St., Main 2467.
IND.—Fort Wayne—Fort Wayne Oil & Sup. Co.
Indianapolis—Van Camp Hdwe. & Iron Co.
KY.—Hazard—Sterling Hdwe. Co.
LA.—New Orleans—Oliver H. Van Horn Co., Inc.
MD.—Baltimore—Kemp Machinery Co.
MASS.—Boston—Lynd-Farquhar Co., 419 Atlantic Ave., Congress 4737.
MINN.—Duluth—Robinson, Cary & Sands Co.
St. Paul—Robinson, Cary & Sands Co.
MO.—Kansas City—English Bros. Machinery Co.
Kansas City Oxygen Gas Co., 2012 Grand Ave., Harrison 2123.
Peake Auto Sup. Co., 310 E. 16th St., Grand 0463.
St. Louis—C. J. & F. E. Briner, 1015 Morgan St., Olive 3506.
St. Louis Machinists' Sup. Co., 920 N. Broadway, Olive 405.
Slige Iron Store Co., 1301 N. 6th St., Tyler 3050.
NEB.—Omaha—E. A. Pegau Co.
N. J.—Newark—Automotive Equipment Co.
Trenton—Manufacturers Selling Co.
N. Y.—Albany—Sager-Spuck Supply Co.
Buffalo—Robertson-Cataract Elec. Co., 126 Elmwood Ave., Seneca 1500.
New York—Cincinnati Elecl. Tool Co., 50 Church St., Cortland 0251.
Rochester—Haverstick & Co.
Robertson-Cataract Elec. Co.
Wheeler-Green Electric Co.
Syracuse—Robertson-Cataract Elec. Co.
Utica—Utica Electrical Sup. Co.
O.—Cleveland—Cincinnati Electrical Tool Co., 517 Bangor Bldg.
Toledo—W. G. Nagel Electric Co.
Youngstown—Stambaugh-Thompson Co.
ORE.—Portland—Geo. Lawrence Co.
Robertson-Peacock Co.
PA.—Allentown—Wm. H. Taylor & Co.
Harrisburg—Henry Gilbert & Son.
Lancaster—Raub Supply Co.
Philadelphia—Delta Equip. Co., 148 N. 3rd St., Market 1860.
Geo. W. Nock & Co., 1304 Race St., Locust 3787.
H. M. Reynolds, 1220 Real Estate Tr. Bldg., Spruce 5778.
Pittsburgh—Howard & Cellingwood, 230 Third Ave., Court 5440.
Somers, Fitler & Todd Co., 327 Water St., Court 4860.
Reading—Bright & Co.
Scranton—The Bittenbender Co.
S. C.—Greenville—Norris Bros.
TENN.—Memphis—J. E. Dilworth & Co.
TEX.—Dallas—The Murray Co.
Fort Worth—The Axtell Co.
Houston—Brazelton, Wessendorf & Nelms.
F. W. Heitman Co.
San Antonio—William L. Morrow.
WASH.—Seattle—The Clyde Equipment Co.
Seattle Hardware Co.
W. VA.—Charleston—Capital City Supply Co.
Huntington—Miller Supply Co.
WIS.—Milwaukee Electrical & Steel Sales Co.

Cincinnati Elevator Wks., 216 N. 2nd Ave., Cincinnati, O.
Cincinnati Enameling Co., The, Cincinnati, O.
Cincinnati Engineering Tool Co., The, 4659 Spring Grove, Cincinnati, O.
Cincinnati Floor Co., Eastern Ave. & Linwood Road, Cincinnati, O.
Cincinnati Fly Screen Co., Gest & Evans, Cincinnati, O.

CINCINNATI FROG & SWITCH COMPANY, THE, Oakley Station, Cincinnati, O.

Pres. & Gen. Mgr.—Chas. Partington.
Secy. & Treas.—A. J. Endebrock.
Chief Engr.—C. H. Partington.

Cincinnati Galvanizing Co., ash cans, galvanized iron & garbage, Chickering & Spring Grove, Cincinnati, Ohio.

CINCINNATI GASKET & PACKING CO., 1546-48 Elm St., Cincinnati, O.

Pres.—Frank Duttenhofer.

CINCINNATI GEAR CO., 1841 Reading Rd., Cincinnati, O.

Cincinnati Gear Cutting Machine Co., Klam & Garrard, Cincinnati, O.
Cincinnati Granite Wks., 4049 Spring Grove Ave., Cincinnati, Ohio.
Cincinnati Grinder Co., The, Marburg & South sts., Cincinnati, O.
Cincinnati Hdwe. Lbr. Co., 2624 Colerain Ave., Cincinnati, Ohio.
Cincinnati Horse Shoe & Iron Co., Cleves, O.

CINCINNATI IRON FENCE CO., INC., 3312 Spring Grove Ave., Cincinnati, O.

Cincinnati Lathe & Tool Co., North st. & Oakley, Cincinnati, O.
Cincinnati Lubricant Pump Co., Blanchester, Ohio.
Cincinnati Mail Trading Co., Box 27, Station K, Cincinnati, O.
Cincinnati Mfg. Co., Gest & Evans Sts., Cincinnati, O.
Cincinnati Milling Machine Co., 2527 Spring Grove Ave., Cincinnati, O.
Cincinnati Oil Works Co., 525 Eggleston Ave., Cincinnati, O.
Cincinnati Overall Mfg. Co., Power bldg., Cincinnati, O.
Cincinnati Pattern Works, Front & Lawrence, Cincinnati, O.

CINCINNATI PLANER CO., 3120 South St., Oakley, Cincinnati, O.

Chrm.—C. H. M. Atkins.
Pres. & Gen. Mgr.—B. B. Quillen.
Treas.—Geo. D. Walker.
Secy. & Works Mgr.—George Langen.

Cincinnati Plate Glass Co., 319 W. 2nd, Cincinnati, O.
Cincinnati Process Engraving Co., 109 W. Canal St., Cincinnati, O.
Cincinnati Pump Co., Liberty & Clay, Cincinnati, O.
Cincinnati Ry. Sup. Co., 13 E. 2nd St., Cincinnati, O.
Cincinnati Refrig. & Fixture Co., (See Cincinnati Butchers' Supply Co.), Cincinnati, O.
Cincinnati Regalia Co., badges & flags, 4th & Elm, Cincinnati, Ohio.

CINCINNATI RUBBER MFG. CO., Norwood, Cincinnati, O.

Pres.—S. D. Baldwin.
V. P. & Treas.—F. D. Schert.
Chicago—536 Lake Shore Drive.
New York—19 Spruce St.

Cincinnati Sash & Door Co., 942 W. 6th St., Cincinnati, O.

CINCINNATI SCREW CO., Loveland, O.
Cincinnati Sewer Pipe Co., Elm & Water, Cincinnati, O.
Cincinnati Shaper Co., Elam & Garrard, Cincinnati, O.
Cincinnati Sheet Metal & Rfg. Co., 226 E. Front St., Cincinnati, O.
Cincinnati Soap Co., Spring Grove & Clifton Wn. Pl., Cincinnati, O.
Cincinnati Specialty Mfg. Co., Powers St. and Sylvan Ave., Cincinnati, O.
Cincinnati Stamping Co., 34 W. McHucken Ave., Cincinnati, O.
Cincinnati Steel Castings Co., 1218 Queen City Ave., Cincinnati, O.
Cincinnati Storage Battery Co., Moormann W. H., Cincinnati, O.
Cincinnati Tent & Awning Co., tool rolls, 232 E. 3rd, Cincinnati, Ohio.
Cincinnati Time Recorder Co., The, 1733-43 Central Ave., Cincinnati, O.
Cincinnati Tool Co., Norwood, Cincinnati, O.
Cincinnati Truss Hoop Co., 115 W. 2nd, Cincinnati, O.
Cincinnati Varnish Co., 2111 South, Cincinnati, O.
Cincinnati Veneer Co., 1223-1235 6th St., Cincinnati, O.
Cincinnati Victor Co., auto headlights, etc., 710-720 Reading rd., Cincinnati, Ohio.
Cincinnati Walnut Lumber Co., Dalton & Hopkins, Cincinnati, O.
Cincinnati Wire Bound Box Co., St. Bernard, Cincinnati, O. (See General Box Co.)
Cinema Machine Co., moving picture film machy., 4443 Sunset Blvd., Los Angeles, Cal.
Cinema Mercantile Co., household furniture, 812 N. Spring, Los Angeles, Cal.
Cirac Automatic Reverse Control Co., 141 Grove, San Francisco, Cal.
Ciralsky, Abraham, & Son, scrap iron, South Bend, Ind.
Cisco Mach. Tool Co., engine lathes, Cincinnati, Ohio.
Cisler & Co., Theo., Marietta, O.
Cisler & Morse, contrs., Marietta, Ohio.
Cissell, J. R., meat packers, Perryville, Mo.
Citico Furnace Co., 42 Chbln. Blvd., Chattanooga, Tenn.
Citizens' Canning Co., Spiceland, Ind.
Citizens' Coal Mining Co., Springfield, Ill.
Citizens' Construction Co., 133 W. Washington, Chicago, Ill.
Citizens' Home Bldg. Co., Citizens' Bldg., Cleveland, O.
Citizens' Lbr. Co., Asheville, N. C.
Citizens' Lumber Co., Parkersburg, W. Va.
Citizens' Mill & Gin Co., flour, Alice, Tex.
Citrus Soap Co., San Diego, Cal.
City & Suburban Buildings Co., 202 Utility Bldg., Fort Wayne, Ind.
City Boiler & Machine Co., 511 W. 4th, Kansas City, Mo.
City Brass Fdry. Co., 5310 St. Clair Ave., Cleveland, O.
City Brass Fdry., 1979 Macomb, Detroit, Mich.
City Brass Wks., founders, Columbus, Ohio.
City Brass Wks., machsts. & fnds., 1744 Carroll Ave., Chicago, Ill.
City Button Wks., 322 5th av., New York.
City Carriage Wks., 629 S. Barr, Ft. Wayne, Ind.
City Construction Co., H., Call Bldg., San Francisco, Cal.
City Cornice Co., electric ovens, 3121 San Pablo Ave., Oakland, Cal.
City Corrugated Paper Products Co., Inc., boxes, 214-224 E. 22nd, New York.
City Engineering Co., 4th & St. Clair St., Dayton, O.
City Flour Milling Co., Statesville, N. C.
City Forge & Iron Works, 424 E. First, Dayton, Ohio.
City Foundry Co., 2585 Pawtucket Ave., Providence, R. I.
City Foundry Co., 4629 Hamilton Ave., Cleveland, O.
City Gas Co. of Norfolk, Va.
City Iron Fndry., Lowell, Mass.
City Iron & Oven Co., Inc., 1163 W. Ocean Ave., Long Beach, Cal.
City Iron Wks., Grand Ledge, Mich.
City Iron Works, Larrabee & Tillamock, Portland, Ore.
City Lbr. & Coal Co., 590 W. Main, Waterbury, Conn.
City Lumber Co., Jackson, Tenn.
City Lumber Co., Woonsocket, R. I.
City Lumber Yard, sash, door & blind, Iron Mountain, Mich.
City Machine Co., 5321 St. Clair, Cleveland, Ohio.
City Machine & Tool Works, 3rd & June St., Dayton, O.
City Machine & Tool Co., Toledo Factories Bldg., Toledo, Ohio.
City Mill & Grain Co., flour, Columbia, Tenn.
City Mills Co., flour, Columbus, Ga.
City of Spokane, City Hall, Spokane, Wash.
City Ornamental Iron Wire & Brass Works, 2673 N., San Diego, Cal.
City Ornamental Iron Works, 755 E. 15th, Los Angeles, Cal.
City Paint & Varnish Co., 1419 Franklin, St. Louis, Mo.
City Point Concrete Co., 149 Greenwich Ave., New Haven, Conn.
City Refrigerator Co., E. 37th & S. Alameda, Los Angeles, Cal.
City Sash & Door Co. See Smith Sash & Door Co. (successor)
City Tool Works, 356 E. 2nd, Los. Angeles, Cal.
City Waste Disposal Co., 45 7th Ave., New York.
City Wire & Iron Works, Inc., bank railings, machy. guards, 335 N. San Pedro, Los Angeles, Cal.
City Wire Frame Co., 1516 S. Wabash Ave., Chicago.
Cizek Bros. Mfg. Co., portable grain elev., Clutier, Ia.
C. J. Mfg. Co., coal meters, 3425 N. 5th, Philadelphia, Pa.
C. L. C. Toy, Novelty & Furniture Co., 711 Ohio, Augusta, Kan.
Clad Co., Victor V., 217-219 S. 11th St., Phila., Pa.
Claffey Co., E. J., 10-12-14 W. Illinois St., Chicago.
Claflin Co., C. A., 62 Pearl, Boston, Mass.
Claflin Engng. Co., see Hermann Mfg. Co. (successor)
Claflin Machine Co., Waterville, Me.
Claflin Mill & Elevator Co., Claflin, Kan.
Claflin, Waldo M., shoes (baseball & athletic), 1107 Chestnut, Philadelphia, Pa.
Claflins, Incorporated, Worth & Church Sts., New York.
Claggett Saddletree Co., Jeffersonville, Ind.
Claiborne, Johnston & Co., contractors, Garrett Bldg., Baltimore, Md.
Claire Furnace Co., Sharpsville, Pa.
Cla-Loid Mfg. Co., soap, Dept. H, Clermont, Ia.
Clamert Mfg. Co., auto lenses, Latrobe, Pa.
Clamp Nail Co., 4532 Palmer St., Chicago.
Clampitt, E. A. Co., 2nd hand machy. & oil supplies, 1037 N. Alameda, Los Angeles, Cal.
Clancy, Fred V., doughnut machy., 621 Valencia, San Francisco, Cal.
Clancy Hardware Co., Syracuse, N. Y.
Clancy, J. B., 1010 W. Belden St., Syracuse, N. Y.
Clanton Lumber Co., T. C., Shreveport, La.
Clapp & Co., Inc., Harry D. B., 324 N. American St., Philadelphia, Pa.
Clapp & Treat, whol. hdwe. & mill & facty. supplies, 68 State, Hartford, Conn.
Clapp Ammonia Co., B. P., 256 Broadway, New York.
Clapp, B. P., Ammonia Co., Louisville, Ky.
Clapp-Eastham Co., Cambridge, Mass.
Clapp, E. D., Mfg. Co., carriage hardware, etc., 300 Genesee, Auburn, N. Y.
Clapp, E. H., Rubber Co., reclaimed rubber, 211 Congress, Boston, Mass.
Clapp Fire Resisting Paint Co., 886 Main, Bridgeport, Conn.
Clapp Mfg. Co., E. D., Auburn, N. Y.
Clapp Rubber Co., E. H., 49 Federal, Boston, Mass.
Clapp, Z. C., steam htg. contractors, 56 Florence, Springfield, Mass.
Clarage Fan Co., Kalamazoo, Mich.
Clare Coke Co., Greensburg, Pa.
Clare Knitting Mills, knitted gloves, Saginaw, Mich.
Claremont Knitting Co., sweaters, cardigans, etc., 178 Stagg, Brooklyn, N. Y.
Claremont Paper Co., Claremont, N. H.
Clarendon Cotton Oil Co., meal, St. Paul, S. C.
Clarendon Marble Co., West Rutland, Vt.
Clarendon Refining Co., 66 Broadway, New York.
Clarendon Refining Co., petroleum products, Clarendon, Pa.
Clarendon Torpedo Co., Titusville, Pa.
Claridge Coal Co., Greensburg, Pa.
Clarinda Lawn Mower Co., Clarinda, Ia.
Clarion Gas Co., Oil City, Pa.
Clark & Bolce Lumber Co., Dallas, Tex.
Clark & Co., D. W., 529 Second st., Boston, Mass.
Clark & Co., E. W., Huntington Bk. Bldg., Columbus, O.
Clark & Co., lbr., sash, door & blind mfrs., 515 Hunterdon, Newark, N. J.
Clark & Co., milk bottle caps & tags, 1610 N. 3rd, Philadelphia, Pa.
Clark & Co., Geo. M., Div. of American Stove Co., 179 N. Michigan Ave., Chicago.
Clark & Flanigan Co., Fair Haven, Vt.
Clark & Gibby, 343 Broadway, New York.
Clark & Henery Constr. Co., Sutherlin, Ore.
Clark & Henery Construction Co., Stockton, Cal.
Clark & Lee Co., contrs., 77 Summer, Boston, Mass.
Clark & Mills Electric Co., Cambridge, Mass.
Clark & Norton Mfg. Co., Wellsville, N. Y. (Now James Howden & Co., of America)
Clark & Pearce, granite, S. Quincy, Quincy, Mass.
Clark & Son, A. N., Plainville, Conn.
Clark & Son Co., lbr., sashes & doors, Corry, Pa.
Clark & Son Mach. Co., H. C., Lee, Mass.
Clark & Sons Corp., Alvan, 50 Henry St., Cambridgeport, Mass.
Clark & Sons, N., 112-116 Natoma St., San Francisco, Calif.
Clark & Tunison, contractors, 17 Queens, Long Island City, N. Y.
Clark & Wilson Lbr. Co., Linnton, Ore.
Clark & Wilson Lumber Co., Portland, Ore.
Clark, A. C., & Co., boiler flue cleaners, 1035 E. 76th, Chicago, Ill.
Clark, A. L., Stone Co., Elizabeth, N. J.
Clark, A. R., & Co., contractors, 30 N. Michigan Ave., Chicago, Ill.
Clark, Allison P., Co., contractors, Montclair, N. J.
Clark Blade & Razor Co., 19 Sussex Ave., Newark, N. J.
Clark Body Co., auto. metal bodies, Water, Amesbury, Mass.
Clark Box Co., The, Danbury, Conn.
Clark Brick & Tile Co., Clark, N. C.
Clark Bros. & Co., sash, door & blind, Plymouth, Pa.

CLARK BROS. BOLT CO., Milldale, Conn.
Branch Offices:
Baltimore, Md.—John K. Wilson Co.
Detroit, Mich.—2671 W. Grand Blvd.
San Francisco, Calif.—J. D. French Co., 73 Main.

Clark Bros. Co., Olean, N. Y.
Clark Bros., flour, Troy, Kan.
Clark Bros. Cutlery Co., 926 B'way, Kansas City, Mo.
Clark Bros. Pottery Co., Cannelton, Ind.
Clark, C. C., & Son, fertilizer mfrs., Mt. Ephraim, N. J.
Clark, C. N., & Co., stone producers, Urbana, Ill.
Clark, Cadet Harmon Corp., 1139 University Ave., Rochester, N. Y.

CLARK CAR COMPANY, 1619 Oliver Bldg., Pittsburgh, Pa.
Pres.—Frank J. Lanahan.
Mgr.—H. E. Chilcoat.
Pur. Agt.—C. E. Hummel.
Eastern Mgr.—B. K. Mould.
Western Repr.—T. B. Counselman.
Engineer—W. J. Fendner.
Sales Engr.—W. R. Kennedy.
Service Engrs.—F. C. Dankmyer, Harvey Allen.
Branch Offices:
ILL.—Chicago—T. B. Counselman, Western Repr., 122 S. Michigan Ave.
N. Y.—New York—B. K. Mould, Eastern Mgr., 52 Vanderbilt Ave.

Clark Cast Steel Cement Co., Shelton, Conn.
Clark, Chas., employment agencies, Kinney Bldg., Chicago, Ill.
Clark Coal & Coke Co., Peoria, Ill.
Clark Co., iron and steel nipples, West Newton, Pa.
Clark Co., Fred G., 1087 W. 11th St., Cleveland, O.
Clark Co., Geo. P., Windsor Locks, Conn.
Clark Co., H. W., 115 S. 17th St., Mattoon, Ill.
Clark Co., Henry N., 56 Union St., Boston, Mass.
Clark Co., J. R., Aldrich & 2nd Ave., Minneapolis, Minn.
Clark Construction Co., Danville, Ill.
Clark County Construction Co., Winchester, Ky.
Clark County Lumber Co., Springfield, Ohio.
Clark County Lbr. Co., Smithton, Ark.

CLARK CUTTER CO. (Milling Cutters & Hobs), 1304 Harper av., Detroit, Mich.
Clark, D. M., cornices & skylights, Marquette, Mich.
Clark-Danforth Handle Co., Cairo, Ill.
Clark, David H., Co., contractors, Homestead Ave., New Haven, Conn.

CLARK DUST COLLECTING CO., 1116 Fisher Bldg., Chicago.
Clark, E. N., & Son, road contr., Milford, Conn.
Clark, E. R., Co., machinists, 132 Pearl, Hartford, Conn.
Clark, Earl S., & Co., industrial engnrs., Turks Head Bldg., Providence, R. I.
Clark Electric Co., James, Jr., 520 W. Main St., Louisville, Ky.
Clark Elec. Meter Co., 1208 Kresge Bldg., Detroit, Mich.
Clark, Elizabeth B., landscape architect, 321 S. Isemgr., Philadelphia, Pa.
Clark Engine & Boiler Co., Kalamazoo, Mich.
Clark Equipment Company, Buchanan, Mich.
Clark, F. C., petroleum, wax, etc., 1406 N. Central, Chicago, Ill.
Clark Flexible Coupling Co., New York.
Clark, F. R., granite, Concord, N. H.
Clark, Fndry. Co., Rumford, Me.
Clark, G. A., Co., sash, door & blind mfrs., Sidney, N. Y.
Clark, Gay, Mfg. Co., spokes, Little Rock, Ark.
Clark, Geo. A., & Son, mill & facty. supplies, Minneapolis, Minn.
Clark, Geo. C., Metal Last Co., machsts., Mishawaka, Ind.
Clark, Geo. H., & Co., hosiery boards, Meredith, N. H.
Clark, Geo. W., tin cans, 109 Broad, New York.
Clark Grave Vault Co., burial vaults, Columbus, Ohio.
Clark, H. F., Jr., paper fasteners, Washington L. Tr. Bl., Washington, D. C.
Clark, H. W., & Son, machsts. & fndrs., Denison, Tex.
Clark, Haniel, & Son, sash, door & blind, Union City, Pa.
Clark, Haniel, & Son Co., sash, door & blind mfrs., Corry, Pa.
Clark Hardware Co., Black Hawk, Colo.
Clark Hardware Co., Jamestown, N. Y.
Clark, Harry C. & Co., contrs., Delaware City, Del.
Clark, Herd Mfg. Co., tables (billiard, pool), 2419 N. Front, Philadelphia, Pa.
Clark Implement Co., machsts. & fndrs., Council Bluffs, Iowa.
Clark, J. Alfred, machsts. & fndrs., 35th & Gray's Ferry Rd., Philadelphia, Pa.
Clark, J. G., lumber mfr., Berne, Ark.
Clark, J. H., Hdwe. Co., mill & facty. supplies, 137 W. Lake, Chicago, Ill.
Clark, J. L., Mfg. Co., auto bodies & forgings, Oshkosh, Wis.
Clark, J. L., Mfg. Co., boxes, tin cans, flour sifters, etc., Rockford, Ill.
Clark, J. M., steam engines, Whitestone, L. I., N. Y.
Clark, Jas. F., cornices, 12361 Stoepel, Detroit, Mich.
Clark, Jas., Jr., Electric Co., machsts., Louisville, Ky.
Clark, Jas. T., Co., machsts. & fndrs., 70 Adams, Newark, N. J.
Clark, John, & Sons, contrs., Nanticoke, Pa.
Clark, Jno., Saddlery Co., 104 Front, Portland, Ore.
Clark, Josiah, stone producers, Quakertown, Pa.
Clark, Keefe & Co., brass balls, well cylinders & valves, 1301 Larrabee, Chicago, Ill.
Clark, L. D., & Son, canned goods, Eastport, Me.
Clark Loose Leaf Mfg. Co., 65 Duane St., New York.
Clark Lumber Co., Auburn, N. Y.
Clark Lbr. Co., Millwood, Ore.
Clark Lumber Co., A. F., Peabody, Mass.
Clark Lumber Co., A. L., Glenwood, Ark.
Clark Mfg. Co., R. W., Chicago.
Clark Machine Co., St. Johnsville, N. Y.
Clark Machy. Co., boring tools, 1235 St. Clair, Cleveland, Ohio.
Clark Mach. & Fdry. Co., see Clark, Wm. C. (successor)
Clark Mach. Wks., metal band saws, Belmont, N. Y.
Clark, MacMullen & Riley, heating & ventg. engrs., 101 Park Ave., New York.
Clark Mfg. Co., coffins, etc., 46 Mathewson, Providence, R. I.
Clark Mfg. Co., horse blankets, West Newton, Mass.
Clark-Mesker Co., The, 18511 Euclid Ave., Cleveland, O.
Clark Milling Co., flour, Augusta, Ga.
Clark-Nickerson Lumber Co., Everett, Wash.
Clark Paint, Oil & Glass Co., 131 State, Rochester, N. Y.
Clark Paper & Mfg. Co., Rochester, N. Y.
Clark Printing & Mfg. Co., Lock Haven, Pa.
Clark, R. F., Mfg. Co., husking hooks, pins & wrist bands, 702 N. Halsted, Chicago, Ill.
Clark, R. S., & Son, labels & tags, Cohoes, N. Y.
Clark-Smith Hardware Co., Peoria, Ill.
Clark Supply House, steam fitters' supplies, Noblesville, Ind.
Clark, T. B., & Co., cut glassware, Honesdale, Pa.
Clark-Taylor Co., L. C. Smith Bldg., Seattle, Wash.
Clark Textile Co., knitted gloves, Saratoga Springs, N. Y.
Clark Tool Works, Inc., piston rings, Belmont, N. Y.
Clark Train Control System Co., Thomas E., 1507 Cass Ave., Detroit, Mich.
Clark Tructractor Co., Buchanan, Mich.
Clark, W. L., Co., advtg. signs, 540 Pearl, New York.
Clark, W. N., Co., canned goods, Rochester, N. Y.
Clark, Walter, mill & facty. supplies, Clarksdale, Miss.
Clark, Wm. C., textile machy., Dept. H, Franklin, Mass.
Clarke & Courts, Galveston, Tex.
Clarke & Harrison, see Clarke, G. W., Inc. (successor)
Clarke, Chas., & Co., contractors, Galveston, Tex.
Clarke Chem. Co., mfg. chemists, Wickliffe, Ohio.
Clarke-Conroy Co., stone producers, Norwich, N. Y.
Clarke Construction Co., Clinton, Iowa.
Clarke County Iron Works, forgings, 104 N. 4th, Portland, Ore.

CLARKE ADV. AGENCY, E. H., 37 W. 39th St., New York.

Clarke Can Co., 12th & Fitzwater, Philadelphia, Pa.
Clarke, F. H., Mfg. Co., concrete mixers, 10719 Superior Ave., Cleveland, Ohio.
Clarke Gas Engine Co., machsts., 1503 Canal, Evansville, Ind.
Clarke, J. Q., Tank Co., Crawfordsville, Ind.
Clarke, L. C., & Co., whol. hdwe., Danville, Va.
Clarke, Robt., bath room fix. & furnishings, 100 Schermerhorn, Brooklyn, N. Y.
Clarke, T. A., Co., contractors, 122 Livingston, Brooklyn, N. Y.
Clarke, Thomas Clarke Co., overalls, Alliance, Ohio.
Clarke's Saw & Mach. Wks., saw blades, 66 Alpine, Newark, N. J.
Clarks, A. H., Son, contractors, 275 High, Newark, N. J.
Clark's Foundry, grey iron castings, 1327 Osage, Denver, Colo.
Clark's Iron Fdry., Bayonne, N. J.
Clarksburg Brick Works, Clarksburg, W. Va.
Clarksburg Casket Co., Clarksburg, W. Va.
Clarksburg Glass Co., benders, Clarksburg, W. Va.
Clarksburg Opalescent Glass Works, Clarksburg, W. Va.
Clarksburg Zinc Co., Clarksburg, W. Va.
Clarksdale Machinery Supply Mfg. Co., Clarksdale, Miss.
Clarkson & Co., D. R., 101 Jerome St., Syracuse, N. Y.
Clarkson & Ford Co., 55 Water St., New York.
Clarkson Coal Mining Co., Rockefeller Bldg., Cleveland, Ohio.
Clarkson College of Technology, engng. school & colleges, Potsdam, N. Y.
Clarkson Glue Co., 2143 Blue Island Ave., Chicago.
Clarkson Glue Co., 3208 Bailey, St. Louis, Mo.
Clarkson Milling Co., flour, Clarkson, Ky.
Clarksville Fdry. & Mach. Works, Clarksville, Tenn.
Charlotte Leather Belting Co., Charlotte, N. C.
Clarotype Company, The, 16-22 Hudson St., New York.
Clason Architectural Metal Works, 430 Kinsley Ave., Providence, R. I.
Clason Map Co., 1515 Tremont, Denver, Colo.
Clasp Envelope Co., 27 Bleecker, New York.
Class (Crain, G. D., Jr., pub.), trade publication, 537H S. Dearborn, Chicago, Ill.

C

Classe, F. M., mattresses, 2727 S. Broadway, St. Louis, Mo.
Clauberg, F. A., & Co., razor & cutlery mfrs., 27 Park Pl., New York.
Claus Automatic Gas Cock Co., brass castings, 1614 Booth, Milwaukee, Wis.
Claus Automatic Gas Cock Co., 1614 Booth St., Milwaukee, Wis.
Claus, A., Mfg. Co., store fixtures, 5701 Walworth Ave., Cleveland, Ohio.
Clausen, C. F., contr., 4224 Lincoln, Chicago, Ill.
Clausen Engineering Office, pull switches, Bisbee, Ariz.
Clausen, H. C., Iron Wks., 433 E. 74th, New York.
Clausen, N. C., Arch. Iron Co., Albany, N. Y.
Clauser, W. H., & Sons, contractors, Delphi, Ind.
Clausmier, E. F., road mach., 222 E. Columbia, Fort Wayne, Ind.
Clausmitzer, John, architect, 55 Bay 34th, Brooklyn, N. Y.
Clauss Shear Co., Fremont, O.
Clauss, N. J., meat packers, Sacramento, Cal.
Clauss Shear Co., see Henkel-Clauss Co. (successor)
Claverie, A. J., & Co., tallow, New Orleans, La.
Claviola Co., pianos, 520 W. 48th, New York.
Clawson, L. E., 147 Gough, San Francisco, Calif.
Clawson Mach. Co., Flagtown, N. J.
Clawson Chemical Co., Ridgway, Pa.
Clay County Mill & Elevator Co., Piggott, Ark.
Clay County Oil Mill & Fertilizer Co., Lineville, Ala.
Clay Cutlery Co., pocket knives, Andover, N. Y.
Clay Co., Paul, Akron, O.
Clay Engine Mfg. Co., 6950 Kinsman Rd., Cleveland, O.
Clay, J. H., 1320 Ridge St., Philadelphia, Pa.
Clay Lumber Co., Middle Fork, W. Va.
Clay Products Assn., 133 W. Washington St., Chicago.
Clay Products Co., bldg. tile, Brazil, Ind.
Clay Products Delivery, masons' mtls., 1546 N. Westlake Ave., Seattle, Wash.
Clay Worker, trade publication (T. R. Randall & Co., publ.), Indianapolis, Ind.
Claybrook-Neale Packing Co., Bowlers Wharf, Va.
Claycraft Brick Co., Hartman Bldg., Columbus, O.
Claycraft Potteries, 3101 San Fernando Rd., Los Angeles, Cal.
Claycraft Mining & Brick Co., Hartman Bldg., Columbus, Ohio.
Claymont Brick Wks., common, New Cumberland, W. Va.

CLAYTON & LAMBERT MFG. CO., 10579 Knodell Ave., Detroit, Mich.
Pres.—John E. Lambert.
V. P.—O. J. Groehn.
Sec.—Bert Lambert.
Treas.—Bert Lambert.

Clayton Air Compressors Wks., 115 Broadway, New York.
Clayton Brick Wks., New Cumberland, W. Va.
Clayton Canning Co., Clayton, Del.
Clayton, J. M., & Co., canned goods, Hoopersville, Md.
Clayton Mfg. Co., Bristol, Conn.
Clayton Oil Mill, fertilizer, Clayton, N. C.
Clayton, W. W., & Co., leather, 7 E. Market, Brockton, Mass.
Clayville Fndry. & Mach. Co., Clayville, N. Y.
Clayville Paper Mills Co., Clayville, N. Y.
Cleaner Mfg. Co., 2842 Olive St., St. Louis, Mo.
Cleanola Co., 1201 Fulton Bldg., Pittsburgh, Pa.
Clear Lake Lumber Co., Clear Lake, Wash.
Clear Vision Pump Co., Wichita, Kan.
Clearfield Brick Mfg. Co., Clearfield, Pa.
Clearfield Clay Working Co., brick, Clearfield, Pa.
Clearfield Fire Brick Co., Clearfield, Pa.
Clearfield Hardware Co., Clearfield, Pa.
Clearfield Lumber Co., Clearfield, Ky.
Clearfield Mach. Shops, (Ltd.), Clearfield, Pa.
Clearfield Millwork & Lumber Co. (Ltd.), Clearfield, Pa.
Clearfield Sewer Pipe Co., Clearfield, Pa.
Cleary Bros., lumber, Bow, Wash.
Cleaver, G. C., bldg. & general contractor, Punxsutawney, Pa.
Cleaver & Leather, mill & facty. supplies, Paterson, N. J.
Cleburne Fdry. Co., Cleburne, Tex.
Cleeland's Sons, Robt., 1121 Waverly, Philadelphia, Pa.
Cleerman Land & Lumber Co., Green Bay, Wis.
Cleese, John P., Co., mattresses, 18th & York, San Francisco, Cal.
Clegg, F. A., & Co., steam htg. contrs., Louisville, Ky.
Clegg Mfg. & Tool Co., jigs, dies, metal novelties & spec. machy., Attleboro, Mass.
Clegg, R. H., brick, Durham, N. C.
Cleghorn Co., htg. contrs., 54 Batterymarch, Boston, Mass.
Cleland Mfg. Co., agricultural implements, 280 Washington Ave. N., Minneapolis, Minn.
Clem, John M., & Son, flour mills, Malvern, Ark.
Clemalene Chemical Co., The, washing powder, 1022 9th, S. W., Canton, Ohio.
Clemens, John, machsts., 1922 S. 7th, St. Louis, Mo.
Clement & Co., F. H., St. Girard Bldg., Philadelphia, Pa.
Clement, A. D., meat packers, Danville, Va.
Clement Co., F. H. See Amer. Woodworking Mach. Co., 591 Lyell Ave., Rochester, N. Y.
Clement "Coverall" Co., 615-623 Van Hook St., Camden, N. J.
Clement, J. L., & Sons, lumber, Gobleville, Mich.
Clement, L. D., toys, Weave, N. H.
Clement Mfg. Co., Northampton, Mass.
Clement Veneer & Lbr. Co., Dept. H, Pamlico, S. C.
Clement, W. D., machsts., Waltham, Mass.
Clements, Chas., granite producers, Boston, Mass.
Clements Lbr. Co., Bay City, Ga.
Clements Mfg. Co., 601-613 Fulton St., Chicago.
Clemetsen Co., The (Desks), 3401 W. Division St., Chicago, Ill.
Clemmer & Johnson Co., contrs., Forge St., Akron, O.
Clemons Auto Supply Co., Eau Claire, Wis.
Clemons Bros., 8th & Cnut, Chattanooga, Tenn.
Clemons, C. B., Co., pianos, 4240 W. Madison, Chicago, Ill.
Clemons, Chas. H., lumber, Montesano, Wash.
Clemson Bros., Inc., Middletown, N. Y.
Clemson College, engng. school & coll., Clemson College, S. C.
Clemson Knife Co., Woburn, Mass.
Clendenin Bros., 108 South St., Baltimore, Md.
Clenzall Machine Co. of America, Inc., 1328 S. Kingshighway, St. Louis, Mo.
Cleophas, Chas., advtg. spec., 425 E. Windsor Rd., Glendale, Cal.
Clerkin, Andrew J., cornices, 781 Grand Ave., New Haven, Conn.
Clermont Sewer Pipe Co., Clermont, Pa.
Clernand & Co., freight elevators, etc., 43 Grand, New York.
Cleveland & Sons Co., contractors, Brockport, N. Y.
Cleveland & Whitehill Co., overalls, Newburgh, N. Y.
Cleveland Abrasive Wheel Co., 2629 E. 25th St., Cleveland, O.
Cleveland-Akron Bag Co., E. 40th & Perkins, Cleveland, O.
Cleveland, Alden T., Mfg. Co., polishes & shoe blacking, 237 Albany, Boston, Mass.
Cleveland Alloys Co., Elm & Superior Sts., Cleveland, Ohio.
Cleveland Aluminum Casting Co., 905 Addison Rd., 1386 E. 40th, Cleveland, O.
Cleveland Armature Works, Inc., 4732-4-6 St. Clair Ave., Cleveland, O.
Cleveland Art Metal Co., 3620 Supr. St., Cleveland, O.
Cleveland Auto Top & Trimming Co., 2084 E. 22d, Cleveland, Ohio.
Cleveland Automobile Co., Arc & London, Cleveland, O.

CLEVELAND AUTOMATIC MACHINE CO., THE, Central Ave. at E. 65th St., Cleveland, O.
Pres.—A. L. Garford.
V. P. & Gen. Mgr.—J. P. Brophy.
Sec.—David L. Johnson.
Treas.—H. M. Rich.
Factory Mgr.—H. M. Ruppel.
Branch Offices:
CAL.—Los Angeles—Harron, Rickard & McCone Co., 225 S. San Pedro St.
San Francisco—Harron, Rickard & McCone Co., 139-149 Townsend St.
ILL.—Chicago—H. E. Nunn, 565 W. Washington St.
MASS.—Watertown—C. N. Sabin, 79 Edgecliff Rd.
MICH.—Detroit—H. C. Roushkolb, 2640 Philadelphia Ave. W.
PA.—Philadelphia—J. B. Anderson, 211 Gowan Ave., Mt. Airy.
Foreign:
CAN.—Toronto—Arthur Jackson, 167 Dufferin St.
JAPAN—Tokyo—Andrews & George.

Cleveland-Belmont Coal Co., Hickox Bldg., Cleveland, O.
Cleveland Belting & Machinery Co., 1524 University Road, Cleveland, O.
Cleveland Billiard & Mfg. Co., 306 Prospect Ave., N. E., Cleveland, Ohio.
Cleveland Block Co., 1173 W. 11th St., Cleveland, O.
Cleveland Blow Pipe & Mfg. Co., 6950 Kinsman Rd., Cleveland, O.
Cleveland Brass Mfg. Co., 4606-26 Hamilton Ave., N. E., Cleveland, O.
Cleveland Brass & Copper Mills, Inc., 322 Guardian Bldg., Cleveland, O.
Cleveland Brass Works, machsts. & fndrs., 4606 Hamilton Ave., Cleveland, Ohio.
Cleveland Breathing Machine Co., 1854 Euclid Ave., Cleveland, O.
Cleveland Brewers' Supply Co., machy., 1506 W. 25th, Cleveland, Ohio.
Cleveland Brick & Clay Co., 917 American Tanar. Bldg., Cleveland, O.
Cleveland Brick Machy. Co., Wickliffe, Ohio.
Cleveland Builders Supply & Brick Co., bldg. matl., Leader News Bldg., Cleveland, Ohio.
Cleveland Builders' Supply & Brick Co., Leader News Bldg., Cleveland, O.
Cleveland Burial Case Co., 2274 St. Clair Ave., N. E., Cleveland, O.
Cleveland Canning Co., Cleveland, Wis.
Cleveland Cap Screw Co., The, 2921 E. 79th St., Cleveland, O.
Cleveland Car Specialty Co., Lakeside Ave. and E. 45th St., Cleveland, O.

CLEVELAND CASTINGS PATTERN CO., THE, 1930 E. 61st., Cleveland, O.
Pres.—F. W. Wood.
V. P.—A. K. Spencer.
Sec. & Treas.—D. G. Miller.
Supt.—V. G. Farner.

CLEVELAND CHAIN & MFG. CO., Henry & Broadway, Cleveland, O.

Cleveland Chaplet & Mfg. Co., 1197 W. 67th, N. W., Cleveland, Ohio.
Cleveland City Forge & Iron Co., E. 45th & Lakeside Ave., Cleveland, O.
Cleveland Cliffs Iron Co., Rockefeller Bldg., Cleveland, O.
Cleveland Co., L. W., Portland, Me.
Cleveland Coffin & Casket Co., Cleveland, Tenn.
Cleveland Co-Operative Stove Co., 2323 E. 67th, Cleveland, Ohio.

CLEVELAND CRANE & ENGINEERING CO., THE, Wickliffe, O.
Pres.—W. D. Sayles.
Sec. & Gen. Mgr.—C. C. Robbins.
Treas.—A. C. Garnett.
Sales Mgr.—Crane Div.—J. B. Shaver.
Mgr.—Tramrail Div.—E. T. Bennington.
Branch Offices:
Crane Division:
N. Y.—New York City—A. H. Ellison, 30 Church St.
PA.—Pittsburgh—F. J. Brittingham, 500 Arch St.
Tramrail Division:
ILL.—Chicago—557 Ry. Exchange Bldg.
MICH.—Detroit—A. F. Anjesky, 140 E. Larned St.
N. Y.—New York—R. E. Nolles, 39 Church St.
PA. — Philadelphia — Geo. C. Whittaker, 2401 Chestnut St.
PA.—Pittsburgh—J. F. Brady, Farmers Bank Bldg.

Cleveland Cutter & Reamer Co., 7410 Madison av., Cleveland, O.
Cleveland Cyclone Fence Co., steel, 1230 E. 55th, Cleveland, Ohio.
Cleveland Dental Supply Co., instruments, 3307 Scranton Rd., Cleveland, Ohio.
Cleveland Die & Mfg. Co., 748 E. 82d, Cleveland, Ohio.
Cleveland Dock Engineering Co., Citizens Bldg., Cleveland, Ohio.
Cleveland Elbow Mfg. Co., stove pipe & elbow mfrs., 1615 Merwin, N. W., Cleveland, Ohio.
Cleveland Electric Light Enlarging Co., Ajax Bldg., Cleveland, O.
Cleveland Electric Motor Co., 5518 Euclid, Cleveland, O.
Cleveland Electro Metals Co., 2391 W. 38th St., Cleveland, O.
Cleveland Engineering Agcy. Co., employment agency, Rose Bldg., Cleveland, Ohio.
Cleveland Fabric Belting Co., 1510 University, Cleveland, Ohio.
Cleveland Fare Box Co., The, 4900 Lexington Ave., Cleveland, O.
Cleveland Faucet Co., pumps, etc., 1396 E. 9th, Cleveland, Ohio.
Cleveland Feed Water Regulator Co., Tennyson Rd., Cleveland, Ohio.
Cleveland Feldspar & Products Co., 10222 Meech Ave., Cleveland, Ohio.

CLEVELAND FLUE CLEANER MFG. CO., 5318 St. Clair av., Cleveland, O.
Cleveland Flush-Meter Co., The, Noble Ct. & W. 2nd St., Cleveland, O.
Cleveland Flux Co., 1023 Front Ave., N. W., Cleveland, O.
Cleveland Folding Machine Co., 1931 E. 61st st., Cleveland, O.
Cleveland, Fred'k, 78 State St., Albany, N. Y.
Cleveland Frog & Crossing Co., Bessemer Ave., Erie R. R. and Penna. Line, Cleveland, O.
Cleveland Furnace Co., 1707 Superior Ave., Cleveland, O.
Cleveland Gas & Electric Supply Co., 940 Prospect Ave., S. E., Cleveland, Ohio.
Cleveland Gasket & Mfg. Co., 1616 W. 116th, Cleveland, Ohio.
Cleveland Gas Meter Co., 2180 E. 65th, Cleveland, Ohio.
Cleveland, Geo. W., Jr., Foster Bldg., Houston, Tex.
Cleveland Graphite Bronze Co., bearings, bushings & washers, 2906 Chester Ave., Cleveland, Ohio.
Cleveland Hammered Piston Ring Co., 2108 Superior Ave., Cleveland, Ohio.
Cleveland Hardware Co., 4500 Lakeside Ave., Cleveland, O.
Cleveland Hardwood Floor Co., 245 Colonial Arcade, Cleveland, O.
Cleveland Heater Co., 1905 W. 112th, Cleveland, Ohio.
Cleveland Instrument Company, The, 6523 Euclid Ave., Cleveland, O.
Cleveland Iron Ore Paint Co., Cleveland, Ohio.
Cleveland, J. W., Hardware Co., 81 Broadway, Paterson, N. J.
Cleveland Knife & Forge Co., 1960 W. 114th St., Cleveland, O.
Cleveland Laundry Machinery Mfg. Co., 5184 Fowler Ave., S. E., Cleveland, Ohio.
Cleveland Leather Goods Co., 26-28 Noble Ct., N. W., Cleveland, O.
Cleveland Lumber Co., sash, door & blind, 8617 Buckeye Rd., Cleveland, Ohio.
Cleveland Lbr. Co., Jasper, Ala.
Cleveland Lumber & Mfg. Co., Cleveland, Tenn.
Cleveland Machine & Mfg. Co., iron forgings, nail & rolling mill machy., 4944 Hamilton Ave., Cleveland, O.
Cleveland Machy. & Supply Co., drilling mach., etc., Union Bldg., Cleveland, Ohio.
Cleveland Machinery & Supply Co., Cleveland, Tenn.
Cleveland Machine Tool Co., see Sommer & Adams Co. (successor)
Cleveland Machine Tool Co., The, 3213-15 Superior Ave., Cleveland, O.
Cleveland Magneto Watchman's Clock Co., 150 Nassau, N. Y.
Cleveland Mantel & Tile Co., laundry tubs, slate, 1426 E. 30th, Cleveland, Ohio.
Cleveland Metal Pattern Co., patterns & models, 728 Frankfort Ave., Cleveland, Ohio.
Cleveland Metal Products Co., Ivanhoe Rd., N. Y. C. & St. L., Cleveland, O.
Cleveland Metal Roofing & Ceiling Co., cornices & skylights, 3105 Detroit Ave., Cleveland, Ohio.
Cleveland Metal Stamping Co., Cleveland, Ohio.
Cleveland Metal Treating & Welding Co., case hardening, 4839 Lexington Ave., N. E., Cleveland, Ohio.
Cleveland Mill & Power Co., Lawndale, N. C.
Cleveland Milling Machine Co. (Now the Clark-Meaker Co.), Cleveland, Ohio.
Cleveland Mill Supply Co., see Loeb-Walters Co. (successor)
Cleveland Milling Co., flour, Cleveland, Tenn.
Cleveland Milling Mach. Co., 18521 Euclid Ave., Cleveland, Ohio.
Cleveland Motorcycle Mfg. Co., 7209 Platt Ave., Cleveland, O.
Cleveland National Machine Co., 1366 W. 70th, Cleveland, O.
Cleveland Nickel Wks., tumbling & cinder mills, etc., 1167 W. 67th, Cleveland, Ohio.
Cleveland Oak Belting Co., 1239 W. 9th St., Cleveland, O.
Cleveland-Oconee Lumber Co., Atlanta, Ga.
Cleveland-Osborn Mfg. Co. (See Osborn Mfg. Co., Inc.), Cleveland, O.
Cleveland Overall Co., 1257 W. 6th, Cleveland, Ohio.
Cleveland Paper Mfg. Co., Ajax Bldg., 209 St. Clair St., Cleveland, O.
Cleveland Piston Pin & Bolt Co., 5005 Euclid Ave., Cleveland, Ohio.
Cleveland Planer Co., The, Cleveland, O. (now E. L. Essley Machy. Co.).
Cleveland Plating Co., electroplating, 3610 Superior, Cleveland, Ohio.
Cleveland Pneumatic Tool Co., 3734 E. 78th, Cleveland, Ohio.

CLEVELAND PNEUMATIC TOOL CO., THE, 3734 E. 78th St., Cleveland, O.
Pres.—C. Greve.
V. P.—E. S. Cook.
Secy.—H. S. Covey.
Treas.—L. W. Greve.
Supt.—A. Scott.
Branch Offices:
ALA.—Birmingham—O. C. Stoelker, Dist. Mgr.
ILL.—Chicago—H. C. Newton, Dist. Mgr., 605 S. Dearborn St., Harrison 4270.
MASS.—Boston—G. Gregory, Mgr.; J. A. Dockery, Rep., 113 Pearl St., Congress 2114.
MICH.—Detroit, R. F. Anderson, Rep., Joseph Mack Bldg., Cadillac 6163.
MO.—St. Louis—H. C. Newton, Mgr.; R. E. Johnson, Rep., Railway Exchange Bldg.
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CANADA—Montreal, Que., W. C. D. Garner, Mgr.; R. E. Johnson, Rep., 337 Craig St.
Toronto, Ont.—C. D. Garner, Dist. Mgr., A. W. Hughes, Rep., 84 Chestnut St.
Distributors:
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CAL.—San Francisco—Snow & Galgiani, 537 2nd St., Sutter 1114.
ORE.—Portland—Clyde Equipment Co., 555 Thurman St., Broadway 0885.
TEX.—Houston—The May Machinery Co., Carter Bldg., Preston 5021.
WASH.—Seattle—Clyde Equip. Co., 542—1st South, Main 1235.

Cleveland Power Transmission Co., The, now The Republic Tool & Mfg. Co., Cleveland, O.
Cleveland Pressed Steel Co., 2953 E. 55th St., Cleveland, O.
Cleveland Provision Co., 2527 Canal Rd., Cleveland, O.

CLEVELAND PUNCH & SHEAR WORKS CO., THE, 3917 St. Clair Ave., Cleveland, O.
Pres.—Walter D. Sayle.
Secy. & Treas.—W. C. Sayle.
Chicago—332 So. Michigan Ave., R. E. Graves.
New York—50 Church St., C. W. Hancock.
Philadelphia, Pa.—321 Bulletin Bldg., R. S. Howell.
Pittsburgh, Pa.—511 Farmers Bank Bldg., P. J. Hopkins.

Cleveland Radio Mfg. Co., 232 St. Claire St., Cleveland, O.
Cleveland Railbond Co., 3727 E. 78th, Cleveland, Ohio.
Cleveland Railway Supply Co., The, 1106-7 Swetland Bldg., Cleveland, O.
Cleveland Rock Drill Co., 3734 E. 78th St., Cleveland, O.
Cleveland Rule Co., 2190 W. 59th St., Cleveland, O.
Cleveland Salt Co., 5912 Central Ave., Cleveland, O.
Cleveland Society for the Blind, corn brooms, 2275 E. 55th, Cleveland, Ohio.
Cleveland Specialty & Mfg. Co., machsts., Cleveland, O.
Cleveland Speed Indicator Co., W. 112th & Locust Ave., N. W., Cleveland, Ohio.
Cleveland Stamping & Tool Co., 53d and Hamilton, Cleveland, O.
Cleveland Steam Gauge Co., 1100 W. 9th St., Cleveland, O.
Cleveland Steel Barrel Co., 9612 Meade Ave., Cleveland, O.
Cleveland Steel Casting Co., Hubbard Ave., S. E., Cleveland, O.
Cleveland Steel Co., 38th St. and L. S. R. R., Cleveland, O.
Cleveland Steel Supply Co., 760 Hippodrome Annex Bldg., Cleveland, O.

CLEVELAND STEEL TOOL CO., THE, 662 E. 82nd St., Cleveland, O.
Pres.—J. F. Doolittle.
V. P.—F. B. Evarts.
Secy. & Treas.—R. J. Venning.
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San Francisco—A. J. Glosener & Co., 731 Folsom St., Sutter 43.
COLO.—Denver—Hendrie & Bolthoff, 1621 Seventeenth St.
ILL.—Chicago—H. W. Leighton, 527 S. Dearborn St., Harrison 2994.
LA.—New Orleans—Oliver H. Van Horn Co., 518 Camp St.
MASS.—Boston—F. S. Eggleston, 259 Franklin St., Parkway 1338-M.
MICH.—Detroit—Humphrey Supply Co., 536 Shelby St.
MINN.—St. Paul—Rank & Goodell, 906 Merchants Bank Bldg.
MO.—St. Louis—J. B. Corby, 1956 North Broadway, Tyler 747.
N. J.—Newark—Cleveland Steel Tool Co., 58 Bleecker St.
N. Y.—Buffalo—R. C. Neal Company, 76 Pearl St., Seneca 2104.
OHIO—Canton—R. B. Mann, 930 Market St., South.
Cincinnati—Boebinger Hardware Co., 315 E. Pearl St., Main 823.
Cleveland—Cleveland Steel Tool Company, 661 E. 82nd St., Randolph 5950.
ORE.—Portland—H. M. Euler Company, 46 Front St.
PA.—Philadelphia—W. J. Devlin, 2222 Chestnut St., Spruce 3778.
Pittsburgh—H. E. Harmon, 616 Oliver Bldg., Grant 1380.
TEX.—Houston—Frank J. May, 401 Carter Bldg.
UTAH—Salt Lake City—F. C. Richmond Machinery Co., 117 West Second South St., Wasatch 8000.
VA.—Richmond—W. F. Delaney, Mutual Bldg.
WASH.—Seattle—Hallidie Machinery Co., 300 First Ave. So.
Foreign:
CANADA—Vancouver, B. C.—Frank Darling & Company, 1142 Homer St.
Winnipeg, Man.—Canadian Fairbanks-Morse Co., 300 Princess St.
Toronto, Ont.—Rudel-Belnap Machinery Co., Ltd., 85 Richmond St., West.
Montreal, Que.—Williams & Wilson, Ltd., 84 Inspector St.

Cleveland Stone Co., Union Trust Bldg., Cleveland, O.
Cleveland Stone Co., 30 N. Clinton, Chicago, Ill.
Cleveland Store Fixture Co., 1305 E. 40th St., Cleveland, O.
Cleveland Switchboard Co., 430 Prospect Ave., N. W. Cleveland, O.
Cleveland Tack Works, 1200 E. 55th St., Cleveland, O
Cleveland Tanning Co., bindings & gimps, Denison Ave. & B. & O. R. R., Cleveland, Ohio.

CLEVELAND TOOL & SUPPLY CO., machsts.' tools & supplies, 1427-37 W. 6th, Cleveland, Ohio.

Cleveland Tractor Co., Euclid & Lamb Ave., Cleveland, O.
Cleveland Trinidad Paving Co., 886 The Arcade, Cleveland, O.
Cleveland Trunk Co., 1317 Euclid Ave., Cleveland, O.

CLEVELAND TWIST DRILL CO., THE, 1 East 49th St., Cleveland, O.
Pres. & Gen. Mgr.—J. D. Cox, Jr.
V. P.—F. F. Prentiss.
Sec.-Treas.—Geo. F. Kast.
Works Mgr.—E. C. Peck.
Gen. Supt.—J. B. Dillard.
Sales Mgr.—W. E. Caldwell.
Asst. Sales Mgr.—H. P. Jenson.
Chicago—9 North Jefferson St., A. J. Ireland, H. S. White, W. L. Evans, Irv. Farnom, Mgrs.
Cleveland, O.—J. G. Ladrick, H. G. Smith, C. G. Franz, H. O. Swan, W. C. Weidig, J. C. Hogan, H. P. Jenson, R. D. Boltey, H. A. Bokram, R. G. Berrington.
New York—30 Reade St., E. H. Jung, R. S. Glenn, P. Burkhart W. Simmons, Mgrs.
London, Eng.—35 Upper Thames St., E. P. Barrus, J. A. Cullen, Mgrs.

Cleveland Universal Parts Co., joints, circulating pumps, 7320 Madison Ave., Cleveland, Ohio.
Cleveland Varnish Co., 3111 E. 87 th St., Cleveland, O.
Cleveland Waterproof Paper Co., Cleveland, Ohio.
Cleveland Welding & Mfg. Co., machsts. & fndrs., W. 117th & Berea Rd., Cleveland, Ohio.

CLEVELAND WHEELBARROW & MFG. CO., THE, Station D, Cleveland, O.
Pres. & Gen. Mgr.—Ralph R. Roemer.
V. P.—Harry C. Sagesser.
Sec.—James A. Farrell.
Treas.—D. W. Frackelton.
Distributors:
ARIZ.—Phoenix—Palace Hardware & Arms Co.
ARK.—Little Rock—Joe Lyons Machinery Co.
CAL.—Long Beach—American Wholesale Hardware Co.
Los Angeles—Concrete Machinery & Supply Co. Garlinghouse Bros.
San Diego—Machinery Pipe & Supply Co.
San Francisco—General Machinery & Supply Co., 39 Stevenson, Sutter 6750.
Ransome & McClelland, Monadnock Bldg., Sutter 6966.
COLO.—Denver—The Mine & Smelter Supply Co. H. P. Wilson & Co.
CONN.—New Haven—The Clark-Wilcox Co.
FLA.—Tampa—W. R. Fuller.
GA.—Atlanta—Yancey Bros.
IDAHO—Boise—The Idaho Hardware & Plumbing Co., Ltd.
ILL.—Chicago—Dravo Equipment Co., 611 Fulton, Monroe 7360.
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Dixie Mill Supply Co., Inc.
Ole K. Olsen.
MASS.—Boston—The Bond Co., 84 High, Liberty 7841.
Perrin, Seamans & Co., 570 Olive, Main 0909.
MICH.—Detroit—Abram Cement Tool Co., 3818 Good River, Glendale 8825.
Baker Equipment Co., 1631 Elmhurst, Arlington 1889.
Contractors' Equipment Co., 5169 Martin, Cedar 2311.
The Osborn Mfg. Co., 2699 Guoin, Edgewood 3172.
The William Pike Co., 319 Woodward, Cherry 7712.
Chas. A. Strelinger Co., 149 E. Larned, Cadillac 7080.
M. H. Wilkins Co.
J. T. Wing & Co., 129 Woodward, Cherry 4820.
Grand Rapids—McMullen Machinery Co.
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Saginaw—Flack-Pennell Co.
MINN.—Duluth—Kelly-How-Thomson Co.
MISS.—Jackson—Addkison & Bauer, Inc.
MO.—Kansas City—The Baird Road Machinery Co., 1627 Main St., Harrison 4029.
Townley Metal & Hardware Co., 200 Walnut St., Main 0200.
St. Louis—O. B. Avery, 1442 N. Broadway, Tyler 784.
Geller, Ward & Hasner Hardware Co., 414 N. 4th St., Main 3500.
MONT.—Helena—Helena Hardware Co.
NEBR.—Hastings—W. M. Dutton & Sons Co.
Omaha—American Machinery & Supply Co. James Morton & Sons Co.
N. Y.—Albany—R. B. Wing & Son Corp.
Buffalo—Buffalo Wholesale Hardware Co., 317 Washington, Seneca 4700.
J. H. Welch, 21 Terrace, Seneca 1313.
Elmira—Irving D. Booth, Inc.
New York—Dravo Equipment Co., 50 Church St., Cortland 1297.
Federal Hardware Corp., 447 Greenwich, Canal 0126.
Rochester—Cook Iron Store Co.
Syracuse—H. E. Hessler Co.
Miller Equipment Co., Inc.
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O.—Canton—The Quality Hardware Co.
Cleveland—The Geo. Worthington Co.
Columbus—The Columbus Builders Supply Co.
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Toledo—Flack Equipment Co.
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OKLA.—Oklahoma City—Mideke Supply Co.
Tulsa—Southern Hardware Co.
ORE.—Portland—McCraken-Ripley Co.
PA.—Philadelphia—Dravo Equipment Co., 2200 Arch, Spruce 9894.
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El Paso—The Mine & Smelter Supply Co.
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Waco—McLendon Hardware Co.
Wichita Falls—Maxwell Hardware Co.
UTAH—Salt Lake City—The Mine & Smelter Supply Co.
VA.—Norfolk—Tidewater Supply Co.
Richmond—Earnest Bros.
WASH.—Seattle—A. H. Cox & Co.
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Cleveland Window Glass & Door Co., shades & reflectors, 209 Champlain Ave., N. W., Cleveland, Ohio.

CLEVELAND WIRE CLOTH & MANUFACTURING CO., THE, 3574 E. 78th St., Cleveland, O.

Cleveland Wire Spring Co., 1281 E. 38th St., Cleveland, O.
Cleveland Woolen Mills Co., C. & P. Ry & Clarkwood Ave., Cleveland, O.
Cleveland Woolen Mills Co., Dresden, Ohio.
Cleveland Worm Gear Co., 1667 E. 40th St., Cleveland, O.
Cleveland Wrought Products Co., cap & set screws & studs, 3580 W. 58th, Cleveland, Ohio.

CLEVELAND WROUGHT PRODUCTS CO., THE, 3400 W. 58th St., Cleveland, O.
Pres.—C. L. Wasmer.
V. P.—G. A. Tinnerman.
V. P. & Treas.—C. E. Kramer.
Sec.—J. C. Wasmer.

Clever Constr. Co., Charlotte, Mich.
Clever & Gulick, machinists, Fullerton, Cal.
Cleverly Electric Works, 17 N. 7th St., Cleveland, O.
Cliff & Guibert Co., 460 W. Broadway, New York.
Cliff Paper Co., Niagara Falls, N. Y.
Clifford & Son, P. T., Valparaiso, Ind.
Clifford & Sons Co., Wm., 360 Union Ave., Elizabeth, N. J.
Clifford, A. D., Co., contrs., 257 Main, New Britain, Conn.
Clifford Automatic Train Stop Co., 325 Penn Ave., El Paso, Tex.
Clifford-Bell Petroleum Co., Inc., Wichita Falls, Tex.
Clifford Brass & Copper Co., 160 South St., New York.
Clifford Bros., charcoal, 1012 W. Main, Ft. Wayne, Ind.
Clifford, Chas. E., Co., Inc., drainboards, stained glass, signs, etc., 3808 S. Park, Los Angeles, Cal.
Clifford Hardware Co., Evansville, Ind.
Clifford-Jacobs Forging Co., Champaign, Ill.
Clifford-Jacobs Forging Co., drop forgings, Urbana, Ill.
Clifford, Jas. J., & Co., machsts., Green Island, N. Y.
Clifford, L. L., & Co., elec. cooking app., Marion, Ind.
Clifford, S., & Co., contractors, 105 W. Monroe, Chicago.
Clifford, Wm., Co., contrs., 734 Vernon Ave., Long Island City, N. Y.
Clifford, Wm., & Sons Co., contractors, Elizabeth, N. J.
Clifford's, Jas., Sons, stone prod., Lenox, Mass.
Cliffs Chemical Co., Charcoal, Goodman, Wis.
Clifton-Applegate & Toole, contrs., Anaconda, Mont.
Clifton Bros., contractors, Zanesville, Ohio.
Clifton Chemical Co., 246 Front St., New York.
Clifton Forge Mach. & Foundry Co., Clifton Forge, Va.
Clifton Forge Milling & Feed Co., Inc., flour mills, Clifton Forge, Va.
Clifton Lbr. & Improvement Co., Clifton, Ariz.
Clifton Mfg. Co., 65 Brookside Ave., Boston, Mass.
Clifton Mfg. Co., 26 Cortlandt St., New York.
Clifton Mfg. Co., Waco, Tex.
Clifton Mfg. Co., cotton sheetings, Clifton, S. C.
Clifton Motor Wks., gas engines, 229 E. Clifton Ave., Cincinnati, Ohio.
Clifton Paper Mills, Clifton, N. J.
Clifton Pratt Co., vacuum cleaners, 1224 W. 8th, Cincinnati, Ohio.
Clifton Specialty Co., Inc., dish washing machy., 895 Niagara, Buffalo, N. Y.
Clifton Springs Dist. Co., 3849 Ludlow Ave., Cincinnati, Ohio.
Climax Cleaner Mfg. Co., 2080 W. 110th, Cleveland, O.
Climax Co., machsts., 95 Clay, Newark, N. J.
Climax Co., J. H. W., 275 Passaic St., Newark, N. J.
Climax Corp., Batavia, N. Y.
Climax Engineering Co., The, Clinton, Ia.
Climax Fire Brick Co., Climax, Pa.
Climax Lime & Stone Co., Wick, Pa.
Climax Locomotive Co., 67 Columbia St., Seattle, Wash.
Climax Lumber Co., Ltd., New Orleans, La.
Climax Machinery Co., 143 E. Morris st., Indianapolis, Ind.
Climax Mfg. Co., Corry, Pa.
Climax Molybdenum Co., 61 Broadway, New York.
Climax Motor Devices, 5209 Prospect Ave., Cleveland, O.
Climax Paper Clip Mfg. Co., 457 Washington St., Buffalo, N. Y.
Climax Porcelain Co., door knobs, hdwe. specialties, Trenton, N. J.
Climax Refining Co., compounds, oils, greases, etc., Williamson Bldg., Cleveland, Ohio.
Climax Rubber Co., 21 W. Gay St., Columbus, O.
Climax Smoke Preventer Co., 261 Franklin St., Boston, Mass.
Climber Motor Corp., autos & trucks, Little Rock, Ark.
Clinch Clip Co., 196 Seneca, Buffalo, N. Y.
Clincher River Coal Co., St. Paul, Va.
Clinchfield Portland Cement Corp., Kingsfort, Tenn.
Clinchfield Products Corporation, 350 Madison av., New York.
Cline, A. J., elec. hoists, 343 S. Dearborn, Chicago, Ill.
Cline, Edw. W., machinist, Marietta, Ohio.
Cline Electric Mfg. Co., controllers, electric motors & printing machy., Fisher Bldg., Chicago, Ill.
Cline, Samuel S., flour mills, Bunkerhill, W. Va.
Cline, Tribolet Lbr. Co., Bluffton, Ind.
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CLING-SURFACE CO., 1063 Niagara St., Buffalo, N. Y.
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Clinger's, D., Sons, lumber, Milton, Pa.
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Clinton & Russell, architects, 100 Maiden Lane, New York.
Clinton Alfalfa Milling Co., meal, Clinton, Ohio.

CLINTON BRIDGE WORKS, Clinton, Ia.

Clinton Canning Co., Rome, N. Y.
Clinton Coal Co., Clinton, Ind.
Clinton Concrete Co., Clinton, Mass.
Clinton Construction Co., 140 Townsend, San Francisco, Cal.
Clinton Construction Co., 923 Folsom, San Francisco, Cal., & 639 S. Spring, Los Angeles, Cal.
Clinton Contracting Co., West Hoboken, N. J.
Clinton Corn Sugar Refining Co., Clinton, Iowa.
Clinton Dry Docks, Inc., ft. Clinton, Brooklyn, N. Y.
Clinton Foundry Co., Clinton, Mass.
Clinton Furniture Co., Clinton, Iowa.
Clinton Glass Co., 1000 W. 21st St., Chicago.
Clinton Hardware Co., Clinton, Tenn.
Clinton Iron & Steel Co., W. Carson St., Pittsburgh, Pa.
Clinton Ice Machine Co., Clinton, Iowa.
Clinton Knitting Co., sweaters, cardigans, etc., Clinton, N. Y.
Clinton Lock Co., machsts. & fndrs., Clinton, Iowa.
Clinton Lbr. Co., Clinton, N. C.
Clinton Mfg. Co., creamery machy., Clinton, Wis.
Clinton Mfg. Co., sashes, doors & blinds, Sabina, Ohio.
Clinton Mfg. Co., 83 Grand Ave., Brooklyn, N. Y.
Clinton Metallic Paint Co., Clinton, N. Y.
Clinton Oil Mills, meal & fertz. mfrs., Clinton, S. C.
Clinton Paper Co., Clinton, Iowa.
Clinton Paving Brick Co., Clinton, Ind.
Clinton Refrigerating Co., Clinton, Ia.
Clinton Saddlery Co., Clinton, Iowa.
Clinton Supply Co., 110 S. Clinton St., Chicago.
Clinton, Walter R., engines, West Haven, Conn.
Clinton Woolen Mfg. Co., Clinton, Mich.
Clinton-Wright Wire Company, now Wickwire Spencer Steel Corp., Worcester, Mass.
Clintonville Baler Co., paper baling presses, Clintonville, Wis.
Clio Lbr. Co., Clio, Cal.
Clio Oil & Fertz. Co., Clio, S. C.
Clipless Paper Fastener Co., Newton, Ia.
Clipper Belt Lacer Co., belt laces, 974-1042 Front Ave., N. W., Grand Rapids, Mich.
Clipper Lawn Mower Co., Dixon, Ill.
Clipper Shingle Co., lumber, Clipper, Wash.
Clipper Tool Co., saw vises, 284 Mills, Buffalo, N. Y.
Clippert & Bro. Brick Co., Geo. H., 743 Virginia st., Detroit, Mich.
Clippert, Spalding & Co., Inc., Lansing, Mich.
Clippinger, A. B., & Son, Mfg. Co., agricultural implts., hay racks, sweep rakes, wood tanks, Kansas City Kan.
Cliver-Wright-Rainey Co., The, 105 E. Pearl St., Cincinnati, O.
Clizbe Bros. Mfg. Co., Plymouth, Ind.
Cloak & Suit Button Co., 49 W. 27th, New York

C

Clochessy, John, paper bags, 21 W. 4th, New York.
Clo-Mix Company, Elkhart, Ind.
Clooney Const. & Towing Co., ship bldrs., Westlake, La.
Clopp, Geo. B., bridge railings, 3717 Filbert, Philadelphia, Pa.
Clopton Planing Mill Co., sashes, doors & blinds, Corsicana, Texas.
Cloquet Lbr. Co., Cloquet, Minn.
Cloquet Tie & Post Co., Cloquet, Minn.
Clore, Jos. O., & Son, lumber, Henderson, Ky.
Clorox Chemical Corp. bleach & germicide, 850 42d, Ave., Oakland, Cal.
Close Lumber Corp., 2 Rector St., New York.
Close-To-Nature Co., incubators, Colfax, Iowa.
Clossman Hardware Co., Zanesville, Ohio.
Closs & Howard Mfg. Co., Webster City, Ia.
Clot, E., Machine Wks., 940 Bryant, San Francisco, Cal.
Clothel Company, 61 Broadway, New York.
Clothier & Furnisher, trade publication, 13 Astor Pl., New York.
Cloud, Newton H., architect, 2627 W. 18th, Wilmington, Del.
Clough & Co., mill supplies, Oshkosh, Wis.
Clough Concrete Const. Co., Quincy, Ill.
Clough, D. H., & Co., contractors, Duluth, Minn.
Clough-Hartley Co., lumber, Everett, Wash.
Clough, John H., clothes line pulleys, Corry, Pa.
Clough & Molloy, stone producers, Hartford Rd. & B. & O., Baltimore, Md.
Clough, R. M., chucks, cutters, drilling machs., etc., Tolland, Conn.
Clough Shingle Co., lumber, Everett, Wash.
Clough, Theo., gasoline burners, Dobbs Ferry, N. Y.
Clough & Warren Co., pianos, 1510 Broadway, Detroit, Mich.
Clough & Witt Machine Co., 1740 Columbus Rr., Cleveland, Ohio.
Clover, Chas. S., fndrs., Muskegon, Mich.
Clover Leaf Machine Co., 1730 S. Franklin st., South Bend, Ind.
Clover Leaf Mfg. Co., tex. machy. (bobbins), Carbondale, Pa.
Clover Mfg. Co., Norwalk, Conn.
Clover Mfg. Co., grinding compound, Norwalk, Conn.
Cloverport Boat & Mfg. Co., machsts., Cloverport, Ky.

CLOW & SONS, JAMES B., 534-546 S. Franklin St., Chicago.
Pres.—W. E. Clow.
V. P.—W. E. Clow, Jr., K. S. Clow.
Secy.—P. Weed.
Treas.—O. Ware.
Sales Mgr.—W. J. Spillane, L. J. Elliott, W. J. O'Day.
Supt.—R. W. Murray.
Chicago—L. J. Elliott, W. J. O'Day, W. J. Spillane, R. C. Flinder.
Detroit, Mich.—W. S. Logan.
Milwaukee, Wis.—L. E. Woessner.
Minneapolis, Minn.—J. F. Whalen.
New York—W. Van B. Claussen.
Omaha, Nebr.—D. E. McCulley Co.
Philadelphia, Pa.—H. T. Carkeek.
Pittsburgh, Pa.—J. O'Brien.
St. Louis, Mo.—J. M. Williams.
San Francisco, Cal.—F. A. Hamilton.
Tampa, Fla.—G. W. Bean.
Washington, D. C.—G. W. Beam.

Cloyes Gear Works, 1620 Collamer, Cleveland, Ohio.
Cluley Multiplier Co., adding machines, Green Bay, Wis.
Clum Mfg. Co., auto switches, 23 Exit, Milwaukee, Wis.
Clune, M., & Co., furniture, 1407 S. Meriden, Indianapolis, Ind.
Cluster Alliance Gas Lamp Co., 458 Broadway, New York.
Clute Bros., cotton batting, Cohoes, N. Y.
Clute Mfg. Co., Geo. F., 358 W. Madison St., Chicago.
Cluthe, G., Co., machsts., 28 E. Court, Cincinnati, Ohio.
Clyde Coal Co., bituminous, Bessemer Bldg., Pittsburgh, Pa.
Clyde Cutlery Co., Clyde, O.
Clyde Equipment Co., 542 First Ave., S., Seattle, Wash.
Clyde Equipment Co., mill factory supplies, etc., 555 Thurman, Portland, Ore.

CLYDE IRON WORKS SALES CO., Duluth, Minn.
Branch Offices & Warehouses:
Chicago, Ill.—11 S. La Salle.
Cincinnati—1913 Union Central Bldg.
Jacksonville, Fla.—45 W. Forsyth.
Memphis, Tenn.—305 Newman Bldg.
New Orleans, La.—309 Magazine.
New York—141 Centre.
Portland, Ore.—Clyde Equip. Co., 555 Thurman st.
San Francisco, Calif.—Care Willamette-Clyde Co., 737 Monadnock Bldg.
Seattle—Clyde Equip. Co., 542 1st Avenue South.

Clyde Kraut Co., canned, Clyde, Ohio.
Clyde Milling & Elevator Co., Clyde, Kan.
Clyde River Pulp Co., Newport, Vt.
Clydesdale Brick & Stone Co., Jenkins Arcade, Pittsburgh, Pa.
Clydesdale Motor Truck Co., Clyde, Ohio.
Clymer, L. M., mill & facty. supplies, Greensboro, N. C.
Clyne, R. E., Engineering Co., special machy. & tools, 12th & Tyler, St. Louis, Mo.
Clyne, R. G., Engng. Co., 625 Locust, St. Louis, Mo.
Coal Age, trade publication, 10th Ave. & 36th, New York.
Coal Creek Lbr. Co., Chehalis, Wash.
Coal Industry, trade publication, 108H Smithfield, Pittsburgh, Pa.
Coal Run Mining Co., bituminous, Indiana, Pa.
Coal Tar Product Co., 570 Smith, Brooklyn, N. Y.
Coal Trade Bulletin, pubs., Park Bldg., Pittsburgh, Pa.
Coal Trade Journal, 20 Vesey, New York.

COALE-FRASER LUMBER COMPANY, Lytton Bldg., Chicago.
West Coast Office:
Tacoma, Wash.—Rust Bldg.

COALE LUMBER CO., THOMAS E., 1359-1361 Arcade Bldg., St. Louis, Mo.....Page 932
Chicago—650 McCormick Bldg.
Philadelphia, Pa.—26th & Susquehanna Ave.
Tacoma, Wash.—912 W. R. Rust Bldg.

Coale Muffler & Safety Valve Co., 325 E. Oliver St. Baltimore, Md.

Coast Art Marble Co., 68 Clara, San Francisco, Cal.
Coast Brush Mfg. Co., 1347 S. Tacoma, Tacoma, Wash.
Coast Casegoods Co., furniture, 3000 Shattuck Ave., Berkeley, Cal.
Coast Construction Co., Crocker Bldg., San Francisco, Cal.

COAST CULVERT & FLUME CO., THE, Colonial Bldg. & Derby St., Portland, Ore.

Coast Engine & Machine Works, auto body hoists, trailers, etc., E. Madison & Water, Portland, Ore.
Coast Envelope Co., 610 E. 2d, Los Angeles, Cal.
Coast Equipment Co., Merchants' Exch. Bldg., San Francisco, Cal.
Coast Fir Lumber Co., 623-628 Lumbermens Bldg., Portland, Ore.
Coast Fish Co., canned, Anacortes, Wash.
Coast Fishing Co., canners, Los Angeles, Cal.
Coast Fdry. Co., South, San Francisco, Cal.
Coast Heater Co., Monrovia, Cal.
Coast Iron & Machine Wks., machsts. & fndrs., 1117 Dock, Tacoma, Wash.
Coast Oilfields Supply Co., 822 E. 60th, Los Angeles, Cal.
Coast Plating & Enameling Works, 4069 Hollis, Emeryville, Cal.
Coast Range Lbr. Co., Mabel, Ore.
Coast Refrigerator Co., Fell & Gough, San Francisco, Cal.
Coast Road Machinery Co., 4051 San Pablo Ave., Oakland, Cal., & 465 E. 3d, Los Angeles, Cal.
Coast Rock & Gravel Co., Call Bldg., San Francisco, Cal.
Coast Shoe Reporter, publication, Pacific Bldg., San Francisco, Cal.
Coast Smelting & Refining Works, 2201 3d, San Francisco, Cal.
Coast Steel & Machinery Co., 50 1st, Portland, Ore.
Coast Supply Co., machy. dlrs., mill & steamfitters' supplies, etc., 590H Howard, San Francisco, Cal.
Coast Tire & Rubber Co., Syndicate Bldg., Oakland, Cal.
Coates Clipper Mfg. Co., 237 Chandler Ct., Worcester, Mass.
Coates, F. C., flour mills, Horners, Va.
Coates Plumbing Supply Co., Tampa, Fla.

COATESVILLE BOILER WORKS, 111 S. 15th st., Philadelphia, Pa.

Coatesville Fdry. & Mach. Co., Coatesville, Pa.
Coats & Burchard Co., appraisers, engineers, inventories, 21 W. Elm, Chicago, Ill.
Coats, A. F., Lumber Co., Tillamook, Ore.
Coats, A. S., Shingle Co., Raymond, Wash.
Coats, Fred R., watchmakers' tools, Springfield, Ill.
Coats, J. & P., cotton thread, Pawtucket, R. I.
Coats, J. R., machinist, Visalia, Cal.
Coats Machine Tool Co., Inc., 110-112 W. 40th St., New York.
Coats Shingle Co., lumber, Hoquiam, Wash.
Cobb & Drew, Inc., Plymouth, Mass.
Cobb & Webster, contractors, 650 Forest Ave., Portland, Me.
Cobb Brick Co., Reynolds Bldg., Fort Worth, Tex.
Cobb Electric Appliance Co., 10 Hanesville Terr., Boston, Mass.
Cobb Eliot Lumber Co., Meridian, Miss.
Cobb, Francis, Shipbuilding Co., Rockland, Me.
Cobb, Henry Ives, architect, 1465 Broadway, New York.
Cobb Preserving Co., Fairport, N. Y.
Cobb, Wm., fndrs., Jackson, Mich.
Cobbledick-Kibbe Glass Co., 666 Howard, San Francisco, Cal.
Cobbledick-Kibbe Glass Co., Oakland, Calif.
Cobbs & Mitchell, Inc., Cadillac, Mich.
Cobbs & Mitchell Co., lbr., Northwestern Bank Bldg., Portland Falls City & Valsetz, Ore.
Cobby & Owsley, contrs., 260 Tehama, San Francisco, Cal.
Coburn Co., Walter, Lowell, Mass.
Coburn, C. B., Co., mill & facty. supplies, Lowell, Mass.
Coburn Organ Co., 220 N. Washtenaw Ave., Chicago, Ill.

COBURN TROLLEY TRACK MFG. CO., sliding door hardware, metal covered doors, rolling ladders & overhead monorail mfrs., P. O. Box 127, Holyoke, Mass.

Cochand, Henri, (Dies) 300 W. 56th St., New York.
Cocheo Bros., "furniture," 667H 1st Ave., New York.
Cochise Lbr. Co., Bisbee, Ariz.
Cochise Machine Co., 273 W. 115th St., Los Angeles, Cal.
Cochran & Phillips, turpentine, McIntyre, Fla.
Cochran, A., & Co., sashes, doors & blinds, Quaker City, Ohio.
Cochran Box & Mfg. Co., Inc., packing boxes, Lockport, N. Y.
Cochran Co., 1638 Long Beach Ave., Los Angeles, Cal.
Cochran Cotton Mill Co., Cochran, Ga.
Cochran, Drugan & Co., Trenton, N. J.
Cochran-Foster Lbr. Co., North Little Rock, Ark.
Cochran Mfg. & Forging Co., 78th St. & Woodlawn Ave., Chicago (Formerly Cochran Pipe Wrench Mfg. Co., now Larco Wrench & Mfg. Corp.)
Cochran Oil Mill & Ginnery, Cochran, Ga.
Cochran-Sargent Co., St. Paul, Minn.

COCHRANE ADVT. AGENCY, WITT K., 30 N. Dearborn St., Chicago.

Cochrane-Bly Co., 15 St. James St., Rochester, N. Y.
Cochrane-Boehm Co., Inc., contr., Call Bldg., San Francisco, Cal.
Cochrane Brass Fdry., York, Pa.
Cochrane Chemical Co., insulating materials, 432 Danforth Ave., Jersey City, N. J.
Cochrane, F. W., Mfg. Co., 1316 W. Slauson, Los Angeles, Cal.
Cochrane, Geo. A., Co., contractors, 1210 Washington Ave., Pittsburgh, Pa.
Cochrane, J. A., Brass Mfg. Co., hardware, 1403 E. 40th, Cleveland, Ohio.
Cochrane Packing Co., meat packers, Kansas City, Kan.
Cocker Mach. & Fdry. Co., beamers, sizing & dyeing machy., Gastonia, N. C.
Cocker Mfg. Co., Lockport, N. Y.
Cocker Saw Mfg. Co., Lockport, N. Y.
Cocker, Weber Brush Co., tex. machy. supplies (brushes mill), Widener & York Ave., Philadelphia, Pa.
Cocking Cement Co., contrs., Jacksonville, Ill.
Coco Bros., bk. & office railings, 13 Baxter, New York.
Codd Co., E. J., 700 S. Carlin St., Baltimore, Md.
Codd Tank & Specialty Co., mill & facty. supplies, 115 South, Baltimore, Md.
Codding & Heilborn Co., silver novelties, North Attleboro, Mass.
Coddington Engineering Co., 33d & Villard Ave., North Milwaukee, Wis.
Codex Book Co., Inc., 119 Broad St., New York.
Codling Lumber Co., 119 S. 4th St., Philadelphia, Pa.
Codman & Shurtleff, surgical instruments, air pumps, 535 Albany, Boston, Mass.
Codman, F. L. & J. C., Co., buffing wheels, 15 Elkins S., Boston, Mass.
Codorus Mfg. Co., wood handles, Codorus, Pa.
Coduri, Joseph, Granite Co., Westerley, R. I.
Cody, C. L., cornices, Ridgway, Pa.
Cody, Jos., & Sons, tubular boilers; expansion tanks, Peoria, Ill.
Codyer & Cavanaugh, cornices, Waltham, Mass.
Coe & Brown Co., The, 294 George st., New Haven, Conn.

Coe & Co., Jas. A., 401 Mulberry st., Newark, N. J.
Coe Belting & Supply Co., 221 S. Peters, New Orleans, La.
Coe Brass Branch, bolt nut & rivet mfrs., Torrington, Conn.
Coe Mfg. Co., key rings, straw dispensers, etc., 35 Warren, New York.
Coe Mfg Co., Painesville, O.
Coe Mfg. Co., W. H., 74 Weybosset St., Providence, R. I.
Coe-Mortimer Co., fertilizer mfrs., 2 Rector, New York.
Coefax Iron Wks., Coefax, Wash.
Coefield Mfg. Co., electric & gas light fixtures, 51 Shipley, San Francisco, Cal.
Coen & Conway, contractors, Davenport, Iowa.
Coen Co., 112 Market St., San Francisco, Cal.

COES & CO., INC., LORING, Coes Square, Worcester, Mass.
Branch Office:
New York—23-25 E. 26th, Neptune Bldg.

COES WRENCH CO., Worcester, Mass.
Agents:
New York—J. C. McCarty & Co., 29 Murray.
John H. Graham & Co., 113 Chambers.
Paris, France—Fenwick Freres Co., 8 Rue Rocroy.

Coeur D'Alene Grain & Milling Co., Coeur D'Alene, Idaho.
Coeur D'Alene Hardware & Foundry Co., Wallace, Idaho.
Coffey, C. D., lbr., N. Wilkesboro, N. C.
Coffey, Laurence J., mason blr., 40 Autumn, New Haven, Conn.
Coffeyville Shale Products Co., Coffeyville, Kan.
Coffeyville Vit. Brick & Tile Co., Coffeyville, Kan.
Coffield Motor Washer Co., clothes washing machines, Dayton, Ohio.
Coffield Tire Protector Co., Dayton, O.
Coffin Box & Lumber Co., Nicollet Island, Minneapolis, Minn.
Coffin Clinton Hdwe. Co., Boise, Idaho.
Coffin, Isaac, Co., high pressure piping, 52 Sudbury, Boston, Mass.
Coffin, Stanley H., cloth mops, 12 Pearl, Boston, Mass.
Coffin Packing & Prov. Co., see Blayney-Murphy Co. (successor)
Coffin Valve Co., Tolman St., Boston, Mass.
Coffman, J. H., Lbr. Co., Bon Wier, Texas.
Coffman, Jas. M., & Son, contrs., Anna, Ill.
Coggin, C. W., lbr., Rockingham, N. C.
Coggins & Owens, 19 S. Chas., Baltimore, Md.
Coggins Marble Co., Canton, Ga.
Coghlan, W. J., mattresses, Kankakee, Ill.
Coghlin Co., Ltd., B. J., Montreal, Can.
Coghlin Electric Co., 259 Main St., Worcester, Mass.
Cogsdill Mfg. Co., 5132 Grand River, Detroit, Mich.
Cogswell-Koether Co., contractors, 406 Park Ave., Baltimore, Md.
Cogswell Polytechnic College, engng. schools & coll., 26th & Folsom, San Francisco, Cal.
Cohagen Patent Piston Ring Mfg. Co., 958 Cherokee, Denver, Colo.
Cohankus Mfg. Co., cordage & twine, Paducah, Ky.
Cohasset Canning Co., Cohasset, Va.
Cohen & Bock, Princess Anne, Md.
Cohen & Company, 108 W. S. Water St., Chicago.
Cohen & Co., Chas. J., 510 Ludlow St., Philadelphia, Pa.
Cohen & Son, J., Peoria, Ill.
Cohen & Son, M., 16700 St. Clair, Cleveland, O.
Cohen Bros. Iron & Metal Co., Des Moines, Iowa.
Cohen, D., scrap rubber, iron, Danville, Ill.
Cohen, E. M., & Sons Iron & Metal Co., Des Moines, Ia.
Cohen, Frank L., Co., Inc., contrs., 702 E. Ferry, Buffalo, N. Y.
Cohen, Harry, & Co., second-hand bags, 3436 Klicketat, Seattle, Wash.
Cohen, Hy., cornices, 1340 Fulton, Brooklyn, N. Y.
Cohen, Isaac H., scrap iron & steel, Imson & Penn. R. R., Buffalo, N. Y.
Cohen, Jos. M., scrap iron, Sandusky, Ohio.
Cohen, Louis, mattresses, 208 E. 128th, New York.
Cohen, Louis, & Son, rails, Wilkes-Barre, Pa.
Cohiman & Cutler, overalls, 28th & Fletcher, Philadelphia, Pa.
Cohn & Bock Co., box shooks, insulator pins, wood cross arms, etc., Princess Anne, Md.
Cohn, Adolph, lamp cord adjusters, West Hoboken, N. J.
Cohn, Marion D., & Co., colors, 268 Market, San Francisco, Cal.
Cohn, Wm., plumbers' supplies, jobbers, Stamford, Conn.
Cohocksink Brass Foundry, castings (brass & bronze), 907 N. Hancock, Philadelphia, Pa.
Cohocton Canning Co., Cohocton, N. Y.
Cohoes Cast Iron Brazing & Mach. Co., Cohoes, N. Y.
Cohoes Iron Foundry & Machine Co., The, Cortland St., Cohoes, N. Y.
Cohoes Rolling Mill Co., Cohoes, N. Y.
Cohutta Talc Co., Dalton, Ga.
Coignet Chemical Products Co., Inc., 17 State St., New York.
Coiled Wire Products Co., auto springs, Brown & Indiana, Toledo, Ohio.

COIN CONTROLLING LOCK CO., 617 Traction Bldg., Indianapolis, Ind.

Coin Machine Mfg. Co., 984 E. 17th st., Portland, Ore.
Coiner, J. N., flour mills, Waynesboro, Va.
Coiner Milling Co., flour, Lynwood, Va.
Cokal Stoker Corp., 341 E. Ohio St., Chicago.
Cokato Canning Co., Cokato, Minn.
Cokefair, E. N. (Boilers), 440 W. 22nd St., New York.
Colbert County Oil & Fertilizer Co., Tuscumbia, Ala.
Colborne Mfg. Co., machsts., 157 W. Division, Chicago, Ill.
Colburn Bros. Co., flour, McPherson, Kan.
Colburn, C. B., N. McLean St., Memphis, Tenn.
Colburn Machine Tool Co., The, 1038 Ivanhoe Road, Cleveland, Ohio.
Colburn, Wilford, lumber mfrs., Middle Grove, N. Y.
Colby & Dickinson, Inc., 310 Westlake St., Seattle, Wash.
Colby Cheese Box & Silo Co., Colby, Wis.
Colby Compression Tube Co., Inc., 361 E. Burnside, Portland, Ore.
Colby, Frank A., & Son, contractors, Brunswick, Me.
Colby-Hinkley Co., veneer, Benton Harbor, Mich.
Colby, Jn. A., & Sons, "furniture," 129H N. Wabash, Ave., Chicago, Ill.
Colby Mill Co., lumber, Colby, Wash.
Colby Milling Co., flour, Dowagiac, Mich.
Colby, N. H., cast iron culverts, Granville, Ill.
Colby Steel & Engineering Co., electric cranes, etc., 446 Central Bldg., Seattle, Wash.
Colclesser Bros., axe mfrs., El Dorado, Pa.
Colclough, C. A., machsts., Hollis Center, Me.
Colcord-Wright Machy. & Sup. Co., 1223-29 N. Broadway, St. Louis, Mo.
Cold Light Mfg. Co., bulbs, Denver, Colo.
Cold Spring Constr. Co., contrs., 835 Elliott Sq., Buffalo, N. Y.

Cold Storage Refrigerator Co., Eau Claire, Wis.
Coldwater Ladder Co., Coldwater, Mich.
Cold Water Refining Co., belt dressing, Raymilton, Pa.
Coldwell Gildard Co., 108 Hartwell, Fall River, Mass.
Coldwell Lawn Mower Co., Newburgh, N. Y.
Coldwell Wilcox Co., Newburgh, N. Y.
Cole & Co., Geo. E., Inc., 336 N. Michigan Ave., Chicago.
Cole & Co., Henry, 54 Old Colony Bldg., Boston, Mass.
Cole Co., The H., 68 E. Gay St., Columbus, O.
Cole & Cole, granite, Quincy, Mass.
Cole & Field, contrs., Joliet, Ill.
Cole, A. R., Co., contrs., Ann Arbor, Mich.
Cole Bros., machsts., Patton, Pa.
Cole, H. C. & W. S., Kingston, Mass.
Cole Hardware Co., Bethany, Mo.
Cole, Jas., Co., organs, Melrose, Mass.
Cole, John W., mill & facty. supplies, Grosvenor Bldg., Providence, R. I.
Cole Mfg. Co., R. D., 55 E. Bank St., Newnan, Ga.
Cole Mfg. Co., 789 S. 4th St., Memphis, Tenn.
Cole Mfg. Co., agricultural implements, Charlotte, N. C.
Cole Mfg. Co., radiators, stove mfrs., etc., 3218 S. Western Ave., Chicago, Ill.
Cole Metal Products Co., 330 East 23rd St., New York.
Cole Motor Car Co., 750 N. Washington St., Indianapolis, Ind.
Cole, N. S., & Son, Inc., contrs., Haverhill, Mass.
Cole, Roscoe, Mfg. Co., wire cloth, S. Norwalk, Conn.
Cole Paper Co., W. A., Putney, Vt.
Cole, S. B., cornices & skylights, Quincy, Mich.
Cole Storage Battery Co., 2433 Indiana Ave., Chicago, Ill.
Cole Supply Co., Geo. H., 2401 5th av., Troy, N. Y.
Cole Toy & Trading Co., 324 Hill Ave., Los Angeles, Cal.
Cole Visible Gas Range Co., 1364 S. Figroa, Los Angeles, Cal.
Cole, W. H., & Sons, whol. hdwe., 40 S. Charles, Baltimore, Md.
Cole, W. T., tubular boilers, Ishpeming, Mich.
Cole, Wm., & Sons, granite, Barre, Vt.
Colebrook's Sons, W. H., 1419-1421 Orange St., Syracuse, N. Y.
Colebrookdale Iron Co., machsts. & fndrs., Pottstown, Pa.
Coleman & Jenkins, contrs., San Antonio, Tex.
Coleman & Smith, flour mills, Weldon, Ky.
Coleman, Adelbert E., (Ornamental Iron), 336 W. 37th St., Chicago.
Coleman, Allen J., 208 N. Wabash Ave., Chicago.
Coleman Bros., Inc., contrs., 245 State, Boston, Mass.
Coleman, Charles, mill & facty. supplies, 953 3d Ave., Brooklyn, N. Y.
Coleman Fare Box Co., Toronto, Can.
Coleman Feed Roller Co., saw mill machy., Vredenburgh, Ala.
Coleman, Galen, machsts. & fndrs., Middletown, N. Y.
Coleman, Green Lbr. Co., nr. McLain, Miss.
Coleman Guano Co., Coleman, Ga.
Coleman Hardware Co., 952 S. Michigan Ave., Chicago.
Coleman, Harter & McCormick, lbr., Williamsport, Pa.
Coleman, J. C., auto windshields, 1578 St. Claire, Detroit, Mich.
Coleman, J. C., & Sons Co., contractors & crushed stone, 1620 Tremont, Rox., Boston, Mass.
Coleman, John, lumber, Williamsport, Pa.
Coleman Lamp Co., Wichita, Kan.
Coleman Lamp Co., 120 S. Los Angeles, Los Angeles, Cal.
Coleman Railway Supply Co., pipe wrenches, 30 Church, New York.
Coleman Saw Mill Co., Verdenburgh, Ala.
Coleman, W. H., Co., lumber & cooperage stock, Jackson, Tenn.
Colfax Pressed Brick Co., 413 Exchange Bldg., Denver, Colo.
Coles & Co., whol. woodenware, 230 West, New York.
Coles, C. B., & Sons Co., lbr., sashes, doors, etc., Camden, N. J.
Coles Picture Mach. Corp., 120 W. 41st, New York.
Coles Tool & Mach. Co., Oneida, N. Y.
Colfax Brick Co., common, Colfax, W. Va.
Colfax Drain Tile Co., Colfax, Ind.
Colfax Mfg. Co., grain cleaning & grading machy., 2601 32d Ave. S., Minneapolis, Minn.
Colfax Pressed Brick Co., 1740 Clay st., Denver, Colo.
Colfax Stone Co., Chippewa Falls, Wis.
Colgan Co., W. H., West Newton, Mass.
Colgan, J. W., Co., harness ornaments, 4 Alden Ct., Boston, Mass.
Colgan Machinery Supply Co., Columbus, O.
Colgan Mfg. & Supply Co., 113 Maiden Lane, New York.
Colgate & Co., 105 Hudson St., Jersey City, N. J.
Colladay Hardware Co., The Frank, Hutchison, Kans.
Colladay Machine Wks., Venango & Hope sts., Philadelphia, Pa.
Collamer Mach. Wks., machsts., 1620 Collamer, Cleveland, Ohio.
Collapsible Joint Form Co., Finance Bldg., Kansas City, Mo.
Collapsible Rim Co., Inc., The, Asheville, N. C.
Collapsible Tubes & Containers, Ltd., Toronto, Ont., Can.
Collapso Camp Bed Co., 2110 N. Broadway, Los Angeles, Cal.
Collar Oil Burner Co., 224 Webster, Oakland, Cal.
Collar Valve Corp., 516 Federal Bldg., Oakland, Cal.
Collating Devices Corp., 1036 Willoughby Ave., Brooklyn, N. Y.
College Mill Co., flour, Franklin, Ky.
Colles Heater & Specialty Co., 549 W. Washington Blvd., Chicago.
Colley Elevator Co., 521 W. Monroe St., Chicago.
Collier-Adams Mfg. Co., sashes, doors, etc., St. Joseph, Mo.
Collier-Barnett Co., Vance & 13th St., Toledo, O.
Collier, Barron G., 220 W. 42nd, New York.
Collier, Eusebius, lbr., 494 Broad, Newark, N. J.
Collier, H. C., & Sons, varnish mfrs., Binghamton, N. Y.
Collier-Keyworth Co., Gardner, Mass.
Collier Lumber Co., see Fairbury Planing Mills (successor)
Collier Motor Truck Co., Bellevue, O.
Collier Motor Truck Co., Painesville, Ohio.
Collier, Thos. L., sashes, doors & blinds, Gibsonburg, Ohio.
Colliers-Adams Mfg. Co., lumber, St. Joseph, Mo.
Collin County Mill & Elevator Co., flour, McKinney, Tex.
Collings Carriage Co., Camden, N. J.
Collingwood Brick Co., Toledo, Ohio.
Collingwood Shipbuilding Co., Collingwood, Conn.
Collins & Aikman Co. (Plush), 3 E. 34th St., New York.
Collins & Ferguson Co., Lowman Bldg., Seattle, Wash.
Collins & Moore, plumbers' supplies, Paris, Tex.
Collins & Webb, Inc., 412 E. 3rd St., Los Angeles, Cal.
Collins, Bartlett, carriages, Avon, Mass.
Collins Boiler Co., John H., Amsterdam, N. Y.
Collins Bros. Lumber Co., Bank of Wis. Bldg., Madison, Wis.
Collins Bros. Machine Co., 647 N. Main St., Pawtucket, R. I.
Collins Bros., brooms, Lawrence, Mass.
Collins Bros., contrs., 1602 Grand Ave., Kansas City, Mo.
Collins Bros. Lumber Co., Sullivan, Wis.
Collins, B. V., marble, 1431 E. 16th, Los Angeles, Cal.
Collins, Chas., & Sons, contractors, Troy, N. Y.
Collins, Clarence H., Co., elec. & gas light fixtures, 4404 Euclid, Cleveland, Ohio.
Collins Colliery Co., coke, Macdonald, W. Va.
Collins Co., (Edge Tools) Collinsville, Conn.
Collins Co., The E. B., Danville, Ill.
Collins, Darrah, & Co., lumber, Nebraska, Pa.
Collins, E. F., & Sons, cotton waste, 170 Lyman, Springfield, Mass.
Collins, Esslen Lbr. Co., Madison, Wis.
Collins-Ferguson Co., machinery dlr., 815 Loman Bldg., Seattle, Wash.
Collins, Frank, brick, Princess Anne, Md.
Collins, Francis W., arch'l engnr., 452 Lexington Ave., New York.
Collins, G. A., & Son, bodies—automobile, 67 W. Market, Akron, Ohio.
Collins Garage Mach. Wks., Opelika, Ala.
Collins, J. H., Boiler Co., Amsterdam, N. Y.

COLLINS, JR., ADVERTISING AGENCY, CLARKSON A., Borden Bldg., New York.

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Collins, Jacob P., Co., lumber, South Seaville, N. J.
Collins, John, & Co., canned goods, American Corners, Md.
Collins, John, Lumber Co., White Bldg., Seattle, Wash.
Collins, Jno. M., contr., 82 State, Albany, N. Y.
Collins-Kay Machinery Co., 438 E. 3d, Los Angeles, Cal.
Collins Lumber Co., C. C., Rhinelander, Wis.
Collins Mfg. Co., paper & pulp mills, writing paper, N. Wilbraham, Mass.
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Collins Mfg. Co., A. M., 226 Columbia, Philadelphia, Pa.
Collins Metallic Packing Co., 56-58 N. 2nd St., Philadelphia, Pa.
Collins Plow Co., Quincy, Ill.
Collins, R., contractor, Alpena, Mich.
Collins, R. L., & Sons, flour mills, Crittenden, Ky.
Collins Steel Studding Co., Douglas Bldg., Los Angeles, Cal.
Collins, T. C., & Son, flour, Windom, Minn.
Collins, Thos., & Sons, granite, Quincy, Mass.
Collins, Wm. P., & Co., mill & facty. supplies, 2619 Mary, Chicago, Ill.
Collins, Wm. P., Co., tubular boilers, 134 Franklin, Long Island City, N. Y.
Collinson, Joshua, machst., East Orange, N. J.
Collinsville Chem. Co., methylene blue, Collinsville, Ill.
Collinwood Lumber Co., 14902 Darwin Ave., Cleveland, Ohio.
Collis Co., The, Clinton, Ia.
Collman & Speidel, contrs., Monadnock Bldg., San Francisco, Cal.
Collyer Insulated Wire Co., 249 N. Main St., Pawtucket, R. I.
Colman Co., J. M., Colman Bldg., Seattle, Wash.
Colman, C. L., Lumber Co., La Crosse, Wis.
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Colmer Bros., machsts., South Bend, Ind.
Colnik Mfg. Co., C., 750 Greenbush St., Milwaukee, Wis.
Collum Mfg. Co., confectioners' machy., 926 Mn., Hartford, Conn.
Colombat, Henry, & Co., fringes, 239 Geary, San Francisco, Cal.
Colon, Geo., & Co., contractors, 81 E. 125th, New York.
Colona Mfg. Co., thread protectors, Vandergrif Bldg., Pittsburgh, Pa.
Colona Mfg. Co., Monaca, Pa.
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Colonial Board Co., Manchester, Conn.
Colonial Braid Co., shoe laces, S. Attleboro, Mass.
Colonial Building Co., Hutton Bldg., Spokane, Wash.
Colonial Can Co., 120 Milk St., Boston, Mass.
Colonial Candle Co., Hyannis, Mass.
Colonial Carriage Co., Circleville, Ohio.
Colonial Chandelier Works, 132 Mulberry st., New York.
Colonial Chemical Corp., insecticides, 394 Bridge, Reading, Pa.
Colonial Coal & Coke Co., Oliver Bldg., Pittsburgh, Pa.
Colonial Colliery Co., Dept. H, Frackville, Pa.
Colonial Co., adding mach. rolls, Mechanic Falls, Me.
Colonial Co., East Liverpool, O.

COLONIAL CREOSOTING CO., INC., Bogalusa, La. .....Page 925

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Colonial Electric Works of General Electric Co., Warren, O.
Colonial Engineering Co., The Kernan Bldg., Pittsburgh, Pa.
Colonial Fan & Motor Co., Dept. H, Warren, Ohio.
Colonial Fireplace Co., 4603-17 Roosevelt Rd., Chicago.
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Colonial Handle Co., Knoxville, Tenn.
Colonial Iron Co., Riddlesburg, Pa.
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Colonial Rubber Specialties Co., mill & facty. supplies, 35 Murray, New York.
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Colorado Fuel & Iron Co., The, Boston Bldg., Denver, Colo.
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Colorado Iron Works Co., 340 17th st., Denver, Colo.
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Colo. Packing & Provision Co., Denver, Colo.
Colorado Portland Cement Co., Ideal Bldg., Denver, Colo.
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Colo. Wrecking & Building Co., 1450 Second St., Denver, Colo.
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Columbia Box & Lumber Co., San Francisco, Cal.
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Columbia Chemical Co., 1622 N. Michigan Ave., Saginaw, Mich.,
Columbia Chemical Wks., aqua ammonia, Bush Terminal, Brooklyn, N. Y.
Columbia Chemical Wks., Inc., Bush Terminal, Brooklyn, N. Y.
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Columbia Constr. Co., 2108 Columbia Ave., Indianapolis, Ind.
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Columbia Granite Co., Westerly, R. I.
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Columbia Hardwood Lbr. Co. of Ark., Pinckney, Ark.
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Columbia Iron Wks., 2125 Reading Rd., Cincinnati, O.
Columbia Iron Works, 1121 N. 3d, Philadelphia, Pa.
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Columbia Lamp Division, National Lamp Works of General Electric Co., Title Guarantee Bldg., St. Louis, Mo.
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Columbia Machinery Exchange, 222 Centre, New York.
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Columbia Mach. Tool Co., Hamilton, Ohio.
Columbia Machine Works, 160 Spear St., San Francisco, Cal.

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Graham Reynolds Electric Co., 300 E. Third, Vandike 1091.
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Listenwalter & Gough, 328 E. 3rd St., Trinity 9711.
Myers Electric Supply Co., 1729 S. Los Angeles St., Atlantic 7241.
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Western Electric Co., 301 E. Eighth, Trinity 3321.
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Oakland—Gilson Electrical Supply Co., 304 12th St.
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San Diego—Coast Electric Co., 818 F St.
San Francisco—Alexander & Lavenson, 926 Howard, Garfield 3940.
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Mersick Co., C. S., 270 State St.
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MD.—Baltimore—Baltimore Electrical Supply Co., 307 N. Calvert St.
Carroll Elec. Co., 38 S. Calvert St.
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Lewis Electrical Sup. Co., 121 Federal St., Main 7430.
Milhender Elec. Sup. Co., 617 Atlantic Ave., Liberty 0378.
Pettingell-Andrews Co., 160 Pearl St., Congress 4200.
Pettingell Elec. Supply Co., R. V., 51 High St., Congress 0330.
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Shannon Elec. Sup. Co., J. J., 275 Congress St., Liberty 6047.
Voye Elec. Sup. Co., 45 High St., Liberty 4838.
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MO.—Kansas City—Western Elec. Co., Main 4942.
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N. J.—Newark—Tri-City Elec. Co., 52 Lafayette St.
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Brooklyn—Western Elec. Co., 505 St. Marks Ave. Broadway.
Utica—Langdon & Hughes Elec. Co., 233 Eliza-
Buffalo—Elec. Sup. & Equip. Co., 392 Elm St., Tupper 9020.
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Robertson Cataract Elec. Co., 151 W. Mohawk, Seneca 5100.
Western Elec. Co., 709 Main St., Tupper 6200.
Woolley, Inc., Lloyd A., 75 Ellicott St., Seneca 7700.
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Western Electric Co., 195 Broadway, Cortland 7700.
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Falls Equip. Co., 1313 Main St.
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Robertson Cataract Elec. Sup. Co., 186 N. Clinton St.
Rochester Electrical Sup. Co., 240 St. Paul St.
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Troy Elect. Co., 193 River.
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Porter Electric Sup. Co., 514 Charlotte.
Robertson Cataract Sup. Co., 25 Whitesboro St.
N. C.—Asheville—Piedmont Elec. Co., 64 Patton.
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Western Electric Co., 238 W. 1st St.
Greensboro—Piedmont Elec. Co.
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Erie—Star Electrical Co., 1013 State St.
Harrisburg—Dauphin Electrical Supplies Co., 434 Market St.
Harrisburg Electrical Supply Co., 24 S. Second St.
Meadville—Carpenter, Harley D., 291 Chestnut St.
Philadelphia—Cass, Phillip & Co., 40 N. 5th St., Lombard 9100.
Colonial Elec. Co., 932 Arch St., Walnut 2075.
Davis Elec. Co., C. C., 125 N. 13th St., Spruce 4711.
Elliott Lewis Elecl. Co., 1017 Race St., Walnut 4601.
Franklin Elec. Co., 15 N. 7th St., Lombard 7844.
Metropolitan Elec. Sup. Co., 45 N. 7th St., Lombard 7863.
John Y. Parke Co., 29 N. Seventh St., Market 5030.
Philadelphia Elec. Co., Supply Dept., 130 S. Eleventh St., Walnut 2605.
H. C. Roberts Electric Supply Co., 1101 Race St., Filbert 3616.
Royal Elec. Supply Co., 145 N. 4th St., Market 1118.
Rumsey Elec. Co., 1007 Arch St., Walnut 6260.
Schimmel Elec. Sup. Co., 526 Arch St., Market 6400.
Sigg-Kohler Elec. Co., 28 S. Bank St., Lombard 0757.
Frank H. Stewart Elec. Sup. Co., 37 N. Seventh St., Market 1874.
Walker & Kepler, 531 Chestnut St., Lombard 1387.
Western Electric Co., 11th & York Sts., Walnut 5405.
Pittsburgh—Doubleday Hill Electric Co., 719 Liberty Ave., Grant 1575.
Iron City Elec. Co., 436 Seventh Ave., Grant 1489.
McCullough Elec. Co., 317 First, Court 2420.
Price Elec. Co., 430 Penn Ave., Court 2155.
Robbins Elec. Co., 830 Liberty, Grant 6780.
Union Elec. Co., 933 Liberty Ave., Grant 5810.
Western Elec. Co., 37 Water St., Cedar 2300.
Reading—Elec. Sup. & Equip. Co., 145 N. Pearl St.
Scranton—Charles B. Scott Co., 119 Franklin Ave.
Electric Supply & Equip. Co., 114 Cliff St.
Scranton Elec. Const. Co., 625 Connell St.
Wilkes-Barre—Elec. Sup. & Equip. Co., 203 S. Washington St.
R. I.—Pawtucket—Toole Co., Wm. K.
Providence—Belcher & Loomis Hdwe. Co., 89 Weybossett St.
Boss Electric Sup. Co., 11 Peck St.
Union Elec Supply Co., 60 Pine St.
Western Elec. Co., 233 Harris.
S. C.—Columbia—Mann Electric Supply Co., 703 Gerrais St.
Perry Mann Electric Co., 1611 Main St.
TENN.—Chattanooga—Mills & Lupton Sup. Co., 1146 Market St.
Southeastern Electric Co., 429 Broad St.
Memphis—Western Electric Co., 161 Jefferson.
Nashville—Braid Electric Co., 234 Second St.
Western Electric Co., 3 Cummings Station.
TEX.—Dallas—Western Electric Co., 1709 Pacific Ave.
Houston—Tel. Electric Co., 502 Preston St.
Western Electric Co., 100 Jackson St.
UTAH—Salt Lake City—Western Electric Co., 41 W. Third St.
VA.—Norfolk—Atlantic Elec. Co., 256 Bank St.
Western Elec. Co., 233 Tagervell St.
Woodhouse Elec. Co., 238 Center St.
Richmond—Southern Elec. Co., 1104 E. Cary St.
Tower Binford Elec. & Mfg. Co., Fourth & Cary Sts.
Western Elec. Co., Sixth & Cary Sts.
WASH.—Seattle—Western Elec. Co., 84 Marion St.
Spokane—Marshall-Wells Co., 131 E. Main St.
Western Elec. Co., 165 S. Howard.
Tacoma—Western Electric Co., 1115 A St.
W. VA.—Bluefield—Bluefield Supply Co.
Superior Supply Co., 40 Bluefield.
Charleston—Virginian Elec. Inc., Michigan Ave.
Fairmont—Fairmont Supply Co.
Huntington—Banks Supply Co.
Miller Supply Co.
Wheeling—Front Co., The, 117 Main St.
Sands Elec. Co., 39 Eleventh St.
Williamson—Williamson Supply Co.
WIS.—Milwaukee—Alexander M. Kalling Co., 264 W. Water.
Western Electric Co., 456 Milwaukee.

Columbia Metal Hose Wks., Thompson Ave. & Manly St., Long Island City, N. Y.
Columbia Metal Stamping Co., 1536 E. 49th St., Cleveland, O.
Columbia Mill & Elevator Co., flour, Columbia, Tenn.
Columbia Mills, 1133 S. State, Chicago, Ill.
Columbia Mills, woolen blankets, Lewiston, Me.
Columbia Mills, Inc., 225 Fifth Ave., New York.
Columbia Mills, Inc., The, Fremont St., Jersey City, N.J.
Columbia Mineral Wool Co., 1145 E. 51st St., Chicago.
Columbia Motor Truck & Trailer Co., Pontiac, Mich.

Columbia Motors Co., 1256 Jefferson, E. Detroit, Mich.
Columbia Narrow Fabric Co., cotton & elastic webbing, Shannock, R. I.
Columbia Naval Stores Co., Savannah, Ga.
Columbia Naval Stores Co., 17 Battery Pl., New York.
Columbia Novelty Co., 1431 N. 8th, St. Louis, Mo.

COLUMBIA NUT & BOLT CO., INC., 1550 Railroad av., Bridgeport, Conn.

Columbia Oil Co. of N. Y., 15 William St., New York.
Columbia Paper Bag Co., 921 E. Fort Ave., Baltimore, Md.
Columbia Paper Bag Co., paper bag mfrs., Long Island City, N. Y.
Columbia Paper Co., 533 W. Broadway, New York.
Columbia Pencil & Crayon Co., 413-417 N. Central Ave., Chicago.
Columbia Planograph Co., Planograph Bldg., Washington, D. C.
Columbia Plaster Wall Board Co., 370 N. 15th, Portland, Ore.
Columbia Plate Glass Co., Blairsville, Pa.
Columbia Plow Wks., Copake Falls, N. Y.
Columbia Postal Supply Co., Silver Creek, N. Y.
Columbia Products Co., whiting & paris white mfrs., Garfield Bldg., Cleveland, Ohio.
Columbia Pump & Well Co., machy. dlrs., 508 12th, N. W., Washington, D. C.
Columbia Quarry Co., limestone, Fullerton Bldg., St. Louis, Mo.
Columbia Record Stove Co., 624 S. 2d, Philadelphia, Pa.
Columbia Refining Co., 90 West St., New York.
Columbia Ribbon & Carbon Mfg. Co., 69 Wooster, New York.
Columbia River Canning & Produce Co., St. Helena, Ore.
Columbia River Packers' Assn., Astoria, Ore.
Columbia River Shipbuilding Corp., Gasco Bldg., Portland, Ore.
Columbia Safety Appliance Co., Columbia City, Ind.
Columbia School Supply Co., 336 W. 17th St., Indianapolis, Ind.
Columbia Smelting & Refining Works, 365 West St., New York.
Columbia Specialty Co., 1508 E. Fay St., Baltimore, Md.
Columbia Stained Glass Works, 866 N. 10th, Philadelphia, Pa.
Columbia Star Milling Co., flour, Columbia, Ill.
Columbia Steel & Shafting Co., rolling mills, Carnegie, Pa.
Columbia Steel & Shafting Co., Rankin, Pittsburgh, Pa.
Columbia Steel Co., 503 Market St., San Francisco, Cal.
Columbia Steel Co., Elyria, O.
Columbia Steel Co., 180 N. 10th st., Portland, Ore.

COLUMBIA STEEL EQUIPMENT CO., P. O. Box 841, Philadelphia, Pa.

Columbia Steel Wheel Co., 254 Hawthorne av., Portland, Ore.
Columbia Stone Co., 644 Soc. for Sav. Bldg., Cleveland, O.
Columbia Store Fixture Co., 1323 Assembly, Columbia, S. C.
Columbia Sugar Co., Bay City, Mich.
Columbia Supply Co., Columbia, S. C.
Columbia Tire Corp., Columbia Blvd. & Miss. av., Portland, Ore.
Columbia Tool Steel Co., 552 W. Lake St., Chicago Heights, Ill.
Columbia Towel Mills, Jasper & Huntingdon St., Philadelphia, Pa.
Columbia Univ. Engng. School & Coll., W. 116th nr. Amsterdam av., New York.
Columbia Valley Lbr. Co., see Bloedel Donovan Lbr. Mills, (successors).
Columbia Varnish Co., 2460 E 24th, Los Angeles, Cal.
Columbia Wagon Co., Columbia, Pa.
Columbia Wall & Plaster Board Mfg. Co., see Columbia Plaster Wall Board Co. (successor).
Columbia Wax Products Co., 749 E. 137th St., New York.
Columbia Western Mills, machsts. & fndrs., Wheeler & Ring, Saginaw, Mich.
Columbia Wire & Iron Works, 4527 W. Lake St., Chicago.
Columbia Wire & Iron Wks., 466 E. Market, Portland, Ore.
Columbia Wire & Iron Wks., Canton, O.
Columbia X-ray & Elec. Corp., 131 E. 23d, New York.
Columbian Art Works, 1024 Chestnut St., Milwaukee, Wis.
Columbian Bank Note Co., 500 S. Ashland Blvd., Chicago.
Columbian Bronze Corp., 522 5th Ave., New York.
Columbian Canning Co., canned goods, Lubec, Me.
Columbian Carbon Co., Williamsport, Pa.
Columbian Construction Co., Muskegon, Mich.
Columbian Cutlery Co., Reading, Pa.
Columbian Engraving Co., 547 S. Clark St., Chicago.
Columbian Enameling & Stamping Co., 15th & Beach sts., Terre Haute, Ind.
Columbian Facing Mills Co., Inc., 93 Stone St., Buffalo, N. Y.
Columbian Fire Brick Co., Canton, O.
Columbian Granite Co., Montpelier, Vt.
Columbian Hardware Co., 1290 E. 53rd St., Cleveland, O.
Columbian Iron Works, Twining, District of Columbia.
Columbian Iron Works, 811 Boyce St., Chattanooga, Tenn.
Columbian Mail Crane Co., Columbus, O.
Columbian Mfg. Co., awning strips, denims, tickings, Greenville, N. H.
Columbian Paper Co., Buena Vista, Va.
Columbian Paper Co., Bristol, Va.
Columbian Rope Co., Auburn, N. Y.
Columbian Steel Tank Co., 1601 W. 12th St., Kansas City, Mo.
Columbiana Boiler Co., R. R. St., Columbiana, O.
Columbiana Fdry. Co., Columbiana, Ohio.
Columbiana Mfg. Co., handles, Columbiana, Ohio.
Columbiana Pump Co., Columbiana, O.
Columbiaville Woolen Co., Columbiaville, Mich.
Columbus Anvil & Forging Co., Columbus, O.
Columbus Aseptic Furniture Co., 323 Mt. Vernon Ave., Columbus, O.
Columbus Asphalt Paving Co., 304 Buckeye Bldg., Akron, Ohio.
Columbus Auto Brass Co., 769 N. 14th, Columbus, Ohio.
Columbus Auto Parts Co., screw mach. prod., E. Russell, Columbus, Ohio.
Columbus Belting & Supply Co., mill & factory supplies, 195H E. Long, Columbus, Ohio.

COLUMBUS BOLT WORKS CO., THE, Columbus, O.

Pres. & Gen. Mgr.—J. R. Peets.
Secy.—H. A. Mason.
Asst. Secy.—S. H. Barrett.
Asst. Treas.—O. J. Cherry.

Baltimore, Md.—Charles & Redwood Sts., Sand, Hulfish & Lassell.
Denver, Colo.—First Nat'l Bank Bldg., M. B. Urquhart.
Detroit, Mich.—205 Kresge Bldg., J. L. Hoffman, Mgr.
Kansas City, Mo.—422 Massachusetts Bldg., E. M. Miller.
Minneapolis, Minn.—316 Plymouth Bldg., H. H. Warner.
Louisville, Ky.—331 West Main St., W. P. Davis.
San Francisco, Cal.—624 Wells Fargo Bldg., John J. Wirtner.

COLUMBUS BRASS CO., 620 Dublin av., Columbus, O. New York—30 Church.

Columbus Brick Co., Columbus, Miss.
Columbus Builders' Supply Co., 145 N. Front, Columbus, Ohio.
Columbus Canning Co., Columbus, Wis.
Columbus Clay Mfg. Co., Blacklick, Ohio.
Columbus Coal & Lime Co., masons' & bldrs. matls., 307 S. High, Columbus, Ohio.
Columbus Coffin Co., Columbus, Ohio.
Columbus Conveyor Co., The, W. Goodale, Columbus, O.

COLUMBUS DIE, TOOL & MACHINE CO., 955 Cleveland av., Columbus, O.

Columbus Electrical Wks. Co., 247 N. Front, Columbus, Ohio.

COLUMBUS FORGE & IRON CO., Columbus, O.

Columbus Fire & Face Brick Co., general bldg. prods. & coal, 16 S. 3d, Columbus, Ohio.
Columbus Fdy. Co., Columbus, Ind.
Columbus Fndry Co., soil pipe, Columbus, Ga.
Columbus Glass Co., Lancaster, Ohio.
Columbus Grove Brick & Tile Co., Columbus Grove, Ohio.

COLUMBUS HANDLE & TOOL CORP., 14th St. and Big 4 R. R., Columbus, Ind.

Pres.—H. Lee Bassett.
1st V. P.—Wm. F. Bassett.
2nd V. P.—M. W. Bassett.
Treas.— C. S. Way.
Secy.—H. W. Bassett.

Columbus Heat & Ventilating Co., 425 W. Town, Columbus, O.
Columbus Iron Works, Columbus, Ga.
Columbus Lumber Co., Columbus, Miss.

COLUMBUS-McKINNON CHAIN CO., Columbus, O.

Factories:
Tonowanda, N. Y.
Columbus, O.
Lebanon, Pa.

District Sales Offices:
New York City—30 Church.
Chicago, Ill.—1504 Fisher Bldg.
San Francisco, Calif.—511 Wells Fargo Bldg.
Jacksonville, Fla.—P. O. Box 158.
Salt Lake City, Utah—417-8 Dooly Bldg.
New Orleans, La.—311 Wells Fargo Bldg.
Denver, Colo.—Colo.-National Bank Bldg.

Canadian Branch:
St. Catherines, Ont.—McKinnon, Columbus Chain, Ltd.

Columbus Mach. Wks., pipe vises, Columbus, Ind.

COLUMBUS MAILING BAG & FABRICS CO., 101 N. High, Columbus, O.

Columbus Malleable Iron Co., Curtis Ave., Columbus, O.
Columbus Mfg. Co., cotton sheeting, Columbus, Ga.
Columbus Mfg. Co., webbing—cotton, Columbus, Miss.
Columbus Mill & Mine Supply Co., 75-77 N. Front St., Columbus, O.
Columbus Mining Co., coal, 332 S. Mchigan av., Chicago, Ill.
Columbus Packing Co., meat packers, Columbus, Ohio.
Columbus Phaeton Co., carriages, Burlington, N. J.
Columbus Plate & Window Glass Co., 71 E. Long, Columbus, O.
Columbus Power Co., The, Columbus, O.
Columbus Pump Co., hydraulic rams, Columbiana, Ohio.
Columbus Pump Supply Co., 35 Vine St., Columbus, O.
Columbus Scale & Repair Co., machsts., 131 N. Water Columbus, Ohio.
Columbus Sewer Pipe Co., Columbus, Ga.
Columbus Show Case Co., 5th & Hocking Valley, Columbus, Ohio.
Columbus Slate Co., The, Columbus, O.
Columbus Steam Boiler & Htr. Co., Columbus, Ohio.

COLUMBUS SUCKER ROD CO., Columbus, O.

Columbus Supply Co., 37 W. Spring st., 243 N. Front st., Columbus, O.
Columbus Tent & Awning Co., 44 W. State St., Columbus, O.
Columbus Tire & Rubber Co., The, 555 W. Goodale, Columbus, O.
Columbus Truck & Supply Mfg. Co., Columbus, Ga.
Columbus-Union Oil Cloth Co., E. 7th Ave. & Big Four R. R., Columbus, O.
Columbus Varnish Co., 262 Cozzens, Columbus, O.
Columbus Vending Co., 2005-13 E. Main St., Columbus, O.
Columbus Wire & Iron Works, 540 W. Poplar Ave., Columbus, O.
Columbus Wood Turning Co., The, Columbus, Ind.
Colusa Milling Co., flour, Colusa, Ohio.
Colusa Sandstone Co., Potrero av & Division, San Francisco, Cal.
Colvin Chase Fence Co., South Charleston, Ohio.
Colvin Fdry. Co., 185 Globe St., Providence, R. I.
Colvin, J. B., machsts. & fndrs., 52 Jackson, Worcester, Mass.
Colvin, S. S., Stave Co., cooperage stock, Pemberville, O.
Colwell Cooperage Co., 120 Broadway, New York.
Colwell, E. P., landscape architects, 6523 Euclid av., Cleveland, Ohio.
Colwell Granite Co., producers, Farmers' Bank Bldg., Pittsburgh, Pa.
Colwell Ideal Corp., plumbing goods, Grand River & Kirby, Detroit, Mich.
Colymbia Ribbon Co., Paterson, N. J.
Colytt Laboratories, The, 565 W. Washington Blvd., Chicago.
Comas Machine Co., machsts. & fndrs., Salem, Va.
Comb Lbr. Co., Lexington, Ky.
Combahee Fertz. Co., Charleston, S. C.
Combination Door Co., windows & storm doors, Fond du Lac, Wis.
Combination Engine Co., 3150 Penn Ave., Pittsburgh, Pa.
Combination Engine & Compressor Co., Bradford, Pa.
Combination Folding Camp Stove Co., Inc., 634 S. Mateo, Los Angeles, Cal.
Combination Fountain Co., Decatur, Ill.
Combination Ladder Co., lawn settees, clothes bars, etc., 381 Fountain, Providence, R. I.
Combination Ladder Co., 386 Fountain St., Providence, R. I.
Combination Rubber & Mfg. Co., 360 Franklin Ave., Bloomfield, N. J.
Combined Locks Paper Co., Combined Locks, Wis.
Combined Supply & Equip. Co., Inc., 766 Grant St., Buffalo, N. Y.
Combs, A. G., fertilizer, Locust Grove, Ga.
Combustion Engineering Corp., 51 Broad St., New York.
Combustion Fuel Oil Burner, The, 728 S. Michigan Ave., Chicago.

COMBUSTION UTILITIES CORP., 26 Division st., Brooklyn, N. Y.

Combusto Devices Corporation, 320 W. 48th St., New York.
Comeaux Lumber Co., Broussard, La.
Comee Metallic Packing Co., Stevens Point, Wis.
Comer & Beals, flour mills, Gamaliel, Ky.
Comer, E. T., & Co., fertilizer mfrs., Millhaven, Ga.
Comer Mercantile Co., fertilizer, Comer, Ga.
Comer Oil Mill, Comer, Ga.
Comerer, W. M., lumber, Burnt Cabins, Pa.
Comerma Co., contractors, 114 Liberty, New York.
Comet Automobile Co., Decatur, Ill.
Comet Battery Co., 1362 E. 3rd St., Cleveland, O.
Comey, R. H., Co., shades, porch, Camden, N. J.
Comfort Auto Robe Co., Inc., Waterloo, N. Y.
Comfort Supply Co., camping outfits, 1013 Mission Rd., Los Angeles, Cal.
Comly, Frank T., stone producers, Edgehill, Pa.
Commander Mill Co., flour, 922 Flour Ex., Minneapolis, Minn.
Commander, T. A. & Son, lbr., Elizabeth City, N. C.
Commerce Brick & Lumber Co., Commerce, Ga.
Commerce Fertilizer Co., Commerce, Ga.
Commerce Motor Car Co., 7424 Mackie, Detroit, Mich.
Commercial Acetylene Supply Co., 80 B'way, New York.
Commercial Audit & Accounting Co., 110 E. 42nd St., New York.
Commercial Auto Body Co., 5401 N. Bulwer av., St. Louis, Mo.
Commercial Bindery, The, 521 W. Monroe St., Chicago.
Commercial Boiler Works, 27 Lander St., Seattle, Wash.
Commercial Camera Co., see Photostat Corp. (successor).
Commercial Car Journal, 56th & Chestnut, Phila., Pa.
Commercial Chemical Co., Inc., 212 Essex St., Boston, Mass.
Commercial Chemical Co., 394 S. Front St., Memphis, Tenn.
Commercial Club, Tacoma Bldg., Tacoma, Wash.
Commercial Construction Co., 39 Pearl St., New York.
Commercial Diamond Co., 150 W. Larned St., Detroit, Mich.
Commercial Distilling Co., 301 Prairiton Rd., Terre Haute, Ind.
Commercial Drop Forge Co., Warren, Pa.
Commercial Electric Co., Ltd., 728 Poydras, New Orleans, La.
Commercial Electric Supply Co., 138 E. Congress, Detroit, Mich.
Commercial Electrical Supply Co., 320 S. Broadway, St. Louis, Mo.
Commercial Enclosed Fuse Co., 257-14th St., Hoboken, N. J.
Commercial Engine Co., 2424 Porter, Los Angeles, Cal.
Commercial Engine Co., see Commercial Iron Wks. of L. A. (successor).
Commercial Excelite Co., 312 N. Eutaw St., Baltimore, Md.
Commercial Fixture Co., refrigerators, show cases, etc., 914 S. Alameda, Los Angeles, Cal.
Commercial Forging Co., 3709 E. 91st St., Cleveland, O.
Commercial Fdy. Co., Ala. & Primm, St. Louis, Mo.
Commercial Furniture Co., 2739 W. Chicago av., Chicago, Ill.
Commercial Grinding Wheel Co., 922 W. Ohio, Chicago.
Commercial Hdwe. Co., Inc., 74 Commercial pl., Norfolk, Va.
Commercial Iron Wks. Co., Union & Stephens sts., Portland, Ore.
Commercial Iron Wks., 171 Globe, Providence, R. I.
Commercial Iron Works of L. A., pumps, valves, well drilling machy., etc., 2424 Porter, Los Angeles, Cal.
Commercial Iron Wks. Co., fndrs., Penn Yan, N. Y.
Commercial Journal, 628 Chestnut, Philadelphia, Pa.
Commercial Lumber Co., Warren, Pa.
Commercial Machine Co., cam shafts, Dunkirk, N. Y.
Commercial Milling Co., farina & flour, 203 Randolph, Detroit, Mich.
Commercial Model Machine Shop, 122 S. Clark, Chicago.
Commercial Paste Co., The, 504-20 Buttles Ave., Columbus, O.
Commercial Pattern & Mfg. Co., 3772 Quincy Ave., Detroit, Mich.
Commercial Sash & Door Co., 4914 S. Paulina St., Chicago.
Commercial Sash & Door Co., 33rd & Liberty, Pittsburgh, Pa.
Commercial Shearing & Stamping Co., The, Youngstown, O.
Commercial Soap Co., Reno, Nev.
Commercial Solvents Corp., acetone, alcohol, etc., 1st & Washington, Terre Haute, Ind.

COMMERCIAL STEEL CASTING COMPANY, THE, Marion, O.

Pres.—John D. Owens.
Secy.—C. A. Owens.
Mgr.—Frank D. Glosser.

Commercial Stone Co., Joliet, Ill.
Commercial Switchboard Mfg. Co., 1433 Delaware, Denver, Colo.
Commercial Truck Co., Hunting Park and Rising Sun Ave., Philadelphia.
Commercial Truckomobile Co., 408 S. Lasfin St., Chicago.
Commercial Truckmobile Co., see Cole Truckmobile Co. (successor).
Commercial Utilities Mfg. Co., advg. spec., 728 W. Randolph, Chicago, Ill.
Commercial Utilities Mfg. Co., time stamps, 153 Waverly pl., New York.
Commercial Welding & Mach. Co., 142 Union, Worcester, Mass. (tr.)

COMMERFORD CO., THE (Decalcomania), 102 E. 19th st., New York.

Common Sense Co., see Johnson Elec. Washer Co. (successor)
Common Sense Gas Tractor Co., 622 S. E. 9th, Minneapolis, Minn.
Common Sense Mfg. Co., 1392 Niagara St., Buffalo, N. Y.
Common Sense Novelty Co., 2403-21 N. Oakley Ave., Chicago.
Common Sense Truss Co., elastic hosiery, 306 W. Madison, Chicago, Ill.
Commonwealth Adding Mach. Co., Muskegon, Mich.
Commonwealth Brass Corp., 5781 Commonwealth, Detroit, Mich.
Commonwealth Chemical Corp., 15 Park Row, New York.
Commonwealth Color & Chemical Co., Nevins, Brooklyn, N. Y.
Commonwealth Cotton Oil Co., meal, Cushing, Okla.
Commonwealth Felt Company, 76 Summer St., Boston, Mass.
Commonwealth Glue Co., 40 N. Market, Philadelphia, Pa.

Commonwealth Mfg. Co., furniture, Dept. H, Gardner, Mass.
Commonwealth Quarry Co., crushed stone, Summit, N. J.
Commonwealth Roofing Co., Grove c. 19th, Jersey City, N. J.
Commonwealth Screw Co., 25 Bartlett St., Worcester, Mass.

COMMONWEALTH STEEL COMPANY, Pierce Bldg., St. Louis, Mo.
Works—Granite City.
Pres.—Clarence H. Howard.
Sr. V. P.—Harry M. Pflager.
V. P. & Treas.—Geo. K. Hobblitzelle.
V. P. & Sales Mgr.—Geo. E. Howard.
V. P. & Sales Agt.—Boone V. H. Johnson.
V. P. & Pub. Dir.—Hal C. Bellville.
Secy.—Frank L. Morey.
Sales Agts.—C. S. Shallenberger.
Chief Mech. Engr.—Charles T. Westlake.
Asst. to Pres.—O. T. Ledford.
Pur. Agt.—A. W. Carten.
Gen. Mgr. Wks.—Arthur T. Morey, Granite City, Ill.

Commonwealth Supply Co., Mutual Bldg., Richmond, Va.
Commonwealth Varnish Co., 4124-32 Parker Ave., Chicago.
Communipaw Steel Co., steel structural work, 95 Liberty, New York.
Commutator Co., 125 N. 1st St., Minneapols, Minn.
Comolli & Co., granite, Barre, Vt.
Complete Mfg. Co., clothes washing machines, Kenosha, Wis.
Compo-Board Co., 44th & Lyndale Aves., N., Minneapolis, Minn.
Compo Corp., The (Stapling Machines), Westport, Conn.
Compoloid Products Corp., sanitary flooring, Wilkes-Barre, Pa.
Compo-site, Inc., moulded insulation, 207 Astor, Newark, N. J.
Composite Metal Lath Co., 110 W. 40th St., New York.
Compound & Pyrono Door Co., St. Joseph, Mich.
Compound Injector & Specialty Co., 419 N. Laramie Ave., Chicago.
Compound Spec. Co., 156 West av., L. I. City, N. Y.
Compressed Air Power Co., 110 Jessie, San Francisco, Cal.
Compressed Spruce Products Co., pulleys & wheels, 1010 E. E, Tacoma, Wash.
Compressed Steel Shafting Co., Readville, Mass.
Compressed Steel Shafting Co., 393 Dorchester Ave., Boston, Mass.
Compressed Wood Preserving Co., 4665 Spring Grove Ave., Cincinnati, O.
Comptograph Co., see Felt & Tarrant Mfg. Co. (successor).
Compton, Demetrius, lumber, Elk Lick, Pa.
Compton-Price Co., pianos, Coshocton, Ohio.
Compton, W. H., Shear Co., 314 Camden, Newark, N. J.
Computer Mfg. Co., scales, 340 Sansome, San Francisco, Cal.
Computing Cheese Cutter Co., Anderson, Ind.
Computing Mach. Co., calculating machy. & slide rules, 340 Sansome, San Francisco, Cal.
Computing Scale & Fixture Co., coffee & spice mills, 8 E. Court, Cincinnati, Ohio.
Computing Scale Co., 1st & Cordova St., Dayton, O.
Computing, Tabulating, Recording Co., 50 Broad St., New York.

COMRIE CO., FRANK M., 310 S. Michigan Ave., Chicago.

Comstedt, F. A. Joseph, 120 Broadway, New York.
Comstock & Co., L. K., 21 E. 40th, New York.
Comstock, A. S., machst. & fndr., Evanston, Ill.
Comstock, C. H., Co., common brick, Ashkum, Ill.
Comstock-Castle Stove Co., Quincy, Ill.
Comstock Co., Inc., Edward, Rome, N. Y.
Comstock, Edw. Co., lbr., Dept. H, Rome, N. Y.
Comstock, Geo. S. & Son, air compressors, hydraulic rams, Mechanicsburg, Ohio.
Conanicut Mills, cotton sheetings, 505 Bay, Fall River, Mass.
Conant & Co., elastic webbing, Littleton, Mass.

CONANT & DONELSON CO., Conway, Mass.

Conant Bros. Co., medicine cabinets, 21 Vine, Somerville, Mass.
Conant, Edward F., flour, Conant, Idaho.
Conant, F. R., Co., packing box mfrs., Auburn, Me.
Conant, R. O., Co., canning machy., 9th & Union, Portland, Me.
Conastee Mills, cotton sheetings, Greenville, S. C.
Conay Glove Co., 115 E. 23rd, New York.
Conboy Co., John A., Perry Bl., Philadelphia, Pa.
Concealo Fixture Co., kitchen cabinets, tables, boards, etc., 1349 E. 12th, Oakland, Cal.
Concord Axle Co., Penacook, N. H.
Concord Fdy. Co., Elkhart, Ind.
Concord Fdy. & Mach. Wks. Co., Concord, N. C.
Concord Foundry & Machine Co., Concord, N. H.
Concord Granite Co., Concord, N. H.
Concord Pipe Co., Concord, N. H.
Concord Wheel Co., Concord, N. H.
Concord Woodworking Co., Concord, N. H.
Concordia Electric Co., 389 Union Arcade Bldg., Pittsburgh, Pa.
Concordia Milling Co., flour, Concordia, Kan.
Concordia Oil Mills Co., cottonseed meal, Vidalia, La.
Concourse Blue Print Co., blue prints, 344 Madison av. New York.
Concrete & Steel Construction Co., Joplin, Mo.
Concrete-Cement Age Publishing Co., 310 Telegraph Bldg., Detroit, Mich.
Concrete Engng. Co., weatherstrips, 1926 S. 52nd ave., Chicago, Ill.
Concrete Engineering Co., Omaha National Bk. Bldg., Omaha, Neb.
Concrete Floor Hardening Co., 329 5th ave., New York.
Concrete Form Co., Inc., Syracuse, N. Y.
Concrete Machinery & Supply Co., 2014 Santa Fe av., Los Angeles, Cal.
Concrete Machinery Supply Co., 165 B'way, Fresno, Cal.
Concrete Pipe & Construction Corp., Harrisburg, Pa.
Concrete Pipe & Constr. Co., Riverside, Cal.
Concrete Products Co., The, Yorktown, Ind.
Concrete Products Co., concrete reinforcing matls., Finance Bldg., Kansas City, Mo.
Concrete Products Co., cement pipes, Everett, Wash.
Concrete Products Co. of Am., sewer pipe, Diamond Bk. Bldg., Pittsburgh, Pa.
Concrete Products, trade publications, Monadnock Bldg., Chicago, Ill.
Concrete Products Mould Co., Slauson av. cor Iron, Los Angeles, Cal.
Concrete Reinforcing & Engineering Co., 2735 Prospect Ave., Cleveland, O.
Concrete Service Co., steel contractor, 1328 B'way, New York.
Concrete Steel Bridge Co., Clarksburg, W. Va.
Concrete Steel Co., 42 Broadway, New York.
Concrete Steel Constr. Co., Dept. H, Springfield, Ohio.
Concrete Steel Engng. Co., 18 Park Row, New York.
Concrete Stone & Sand Co., Poland av., Youngstown, O.

CONCRETE SURFACING MACHINERY CO., 4671 Spring Grove av., Cincinnati, O.

Concrete Waterproof Paint Co., The, 829-835 N. 3rd St., Philadelphia, Pa.
Conde, W. W., Hardware Co., whol., Watertown, N. Y.
Condensite Co. of America, Grove St., Bloomfield, N. J.
Condor & Culbertson, contrs., 623 N. Noble, Indianapolis, Ind.
Condie-Bray Glass Paint Co., B'way & Benton, St. Louis, Mo.
Condit Electrical Mfg. Co., 842 Summer st., Boston, Mass.
Condit Jr., & Co., S. B., 297 Franklin, Boston, Mass.
Condley-Darrell Co., contrs., Marsh-Strong Bldg., Los Angeles, Cal.
Condron Co., arch'l consulting engrs., Monadnock Bldg., Chicago, Ill.
Conductor Fitting Co., rain water cut-offs, Marietta, O.
Cone & Co., Frederick H., 181 Front St., New York.
Cone Automatic Machine Co., Inc., Windsor, Vt.
Cone, J. H. & W. E., whol. hdwe., 87 Asylum, Hartford, Conn.
Cone, Jos. D., lumber, wagon spokes, North Vernon, Ind.
Cone, R. D., Co., whol. hdwe., mill & facty. supplies, Winona, Minn.
Conejos Co-operative Roller Mills & Mfg. Co., Antonio, Colo.
Conen, Stephen, cornices, 4305 Lincoln av., Chicago, Ill.
Cones, C. B., & Son Mfg. Co., overalls, 18 N. Senate av., Indianapolis, Ind.
Cones & Menefee, lumber mfrs., 450 W. Broad, Columbus, Ohio.
Conestoga Glue Wks., Lancaster, Pa.
Conestoga Steam Cotton Mills, Lancaster, Pa.
Conewago Trap Rock Co., Williamsport, Pa.
Conewango Refining Co., Warren, Pa.
Conewango Furn. Co., Dept. H, Warren, Pa.
Confectioner's Gazette, trade publication, 366 B'way, New York.
Confectioners' Journal Publishing Co., trade publication, 411 Walnut, Philadelphia, Pa.
Confer, Smith & Co., founders, Hamburg, Pa.
Con-Ferro Paint & Varnish Co., 1458 Collins St., St. Louis, Mo.
Congaree, Fertilizer Co., Columbia, S. C.
Congdon & Carpenter Co., 58 4th, Fall River, Mass.
Congdon & Carpenter Co., whol. hdwe., 155 Canal, Providence, R. I.
Congdon, Alphonse, contrs., Narragansett, Pier, R. I.
Congdon, D. C., cornices & skylights, Fort Scott, Kan.
Congleton, James, New Philadelphia, O.
Congoleum Co., Inc., Morris Bldg., Philadelphia, Pa.
Congree Electric Co., Boston, Mass.
Conheim, Herman, 9 Burling, New York.
Conkey & Company, H. D., Mendota, Ill.
Conkey Co., W. B., Hammond, Ind.
Conkey, G. E., Co., insecticides, 6529 B'dway, Cleveland, Ohio.

CONKLIN BRASS & COPPER CO., INC., THE T. E., 54-60 Lafayette st., New York.
Pres.—W. B. Brown.
V. P.—T. B. Conklin.
Sec. & Gen. Mgr.—Chas. Bauer.
Treas.—H. S. Conklin.

Conklin Bros., dock bldrs., contractors, 2080 Richmond ter., Port Richmond, N. Y.
Conklin, H. R., bag filters, Joplin, Mo.
Conklin Pen Mfg. Co., Conklin Bldg., Toledo, O.
Conklin Tin Plate & Metal Co. Atlanta, Ga. (Also Savannah.)
Conklin, Reuling Co., contractors, masons & bldrs. matls. & sash, door & blinds, Pekin, Ill.
Conkling-Armstrong Terra Cotta Co., Wissahickon Ave., and Juniata, Philadelphia, Pa.
Conkling, E. A., Box Co., packing box mfrs., 2001 Reading rd., Cincinnati, Ohio.
Conkling, Frank A., lumber mfrs., Memphis, Tenn.
Conlan, Bernard & Co., belt buckles, uniform buttons, etc., 37 Hamilton, Newark, N. J.
Conlan Elec. Co., 86 Walker, New York.
Conlee Lumber Co., Attalia, Wash.
Conley Camera Co., Rochester, Minn.
Conley Foil Co., The, 521-541 W. 25th St., New York.
Conley Frog & Switch Co., S. Memphis st., Memphis, Tenn.
Conley Mfg. Co., Rochester, Minn.
Conley Stain & Blacking Co., 15 Sherman, Boston, Mass.
Conley Stone Co., F. E., Utica, N. Y.
Conley, T. F., tubular boilers, Tiffin, Ohio.
Conley Tinfoil Co., 521 W. 25th, New York.
Conlin & Roberts, 414 Natoma, San Francisco, Cal.
Conlin, J. C., mill & fcty. & steam fitters' supplies, 361 Washington, Providence, R. I.
Conlin Marble Co., Tuckahoe, N. Y.
Conlin, Thos., Plumbing & Htg. Co., 450 Oakwood Blvd., Chicago, Ill.
Conlon, Jas. W., stone, E. R. & 71st, New York.
Conlon, John J., sashes, doors & blinds, Hannibal, Mo.
Conn. Ltd., C. G., Elkhart, Ind.
Conn-De Visser Co., mill & fcty. supplies, Detroit, Mich.
Connally, Walter & Co., mill & fcty. supplies, Tyler, Tex.
Conneaut Can Co., Conneaut, O.
Conneaut Leather Co., Conneaut, Ohio.
Conneaut Metal Wks., portables, aeroplanes, Conneaut, O.
Conneaut Metal Works Co., Conneaut, O.
Conneaut Shovel Co., The, Conneaut, O.
Connecticut Adamant Plaster Co., 10 River st., New Haven, Conn.
Conn. Aircraft Co., aeroplanes, 671 Chapel, New Haven, Conn.
Connecticut Blower Co., Inc., The, 345 Trumbull st., Hartford, Conn.
Conn. Box Co., 373 Lexington av., New Haven, Conn.
Connecticut Brass & Mfg. Corp., 480 Watertown st., Waterbury, Conn.
Connecticut Brass Foundry Co., Inc., Waterbury, Conn.
Connecticut Broach & Machine, The, New London, Conn.
Conn. Clasp Co., machsts., Park av., Bridgeport, Conn.
Conn. Concrete Co., 185 Church, New Haven, Conn.
Conn. Cord Iron Corp., Norwich, Conn.
Connecticut Dynamo & Motor Co., The, Lyons Ave. & Coit St., Irvington, N. J.
Conn. Engineering & Contrg. Co., Norwich, Conn.
Connecticut Electric Clock Co., Hartford, Conn.
Connecticut Electric Mfg. Co., Bridgeport, Conn.
Connecticut Electric Steel Co., Inc., The, 540 Flatbush Ave., Hartford, Conn.
Conn. Fat Rendering & Fertilizing Corp., tallow mfrs., Frt. av. Alngtn., New Haven, Conn.
Conn. Fireworks Co., West Haven, Conn.
Connecticut Gears, Inc., 144 Pearl st., Waterbury, Conn.
Conn. Glue Co., Danbury, Conn.
Conn. Lime Co., Lee, Mass.
Conn. Lock Co., Inc., Fairfield, Conn.
Conn. Marine Boiler Wks., 64 Kossuth, Bridgeport, Conn.
Conn. Metal Treating Co., Inc., case hardening, steel heat treating, etc., 207 Knowlton, Bridgeport, Conn.
Conn. Mills Co., canvas & cotton duck, Danielson, Conn.
Conn. Oil Co., 549 S. Leonard, Waterbury, Conn.
Connecticut Quarries Co., 152 Temple st., New Haven, Conn.
Conn. Sash & Door Co., 451 Grand av., New Haven, Conn.
Conn. Shock Absorber Co., Meriden, Conn.
Conn. Steam Brownstone Co., Portland, Conn.
Connecticut Telephone & Electric Co. (Inc.), Meriden, Conn.
Connecticut Tubing Co., 6 Capital Ave., Hartford, Conn.
Conn. Turbine Mfg. Co., New London, Conn.
Conn. Valley Lumber Co., 147 Milk, Boston, Mass.
Connecticut Valley Mfg. Co., Centerbrook, Conn.
Conn. Valley Orchard Co., fertilizer, Berlin, Conn.
Conn. Web & Buckle Co., Bridgeport, Conn.
Conneen Constr. Co., 2315 Walnut, Philadelphia, Pa.
Connell & Dengler Machine Co., 371 St. Paul St., Rochester, N. Y.
Connell & Shattuck, 427-429 Third Ave., Pittsburgh, Pa.
Connellsville Central Coke Co., Empire Bldg., Pittsburgh, Pa.
Connellsville Coal & Coke Co., Connellsville, Pa.
Connellsville Constr. Co., Connellsville, Pa.
Connellsville Foundry, Machine & Steel Casting Co., Connellsville, Pa.
Connellsville Garbage & Fertilizer Co., Connellsville, Pa.
Connellsville Iron Works, Connellsville, Pa.
Connellsville Mach. & Car Supply Co., Connellsville, Pa.
Connellsville Mfg. & Mine Supply Co., The, Connellsville, Pa.
Connellsville Mutual Coke Co., Scottdale, Pa.

CONNELLY BOILER CO., D., Ivanhoe rd. & N. Y. & St. Louis R. R., Cleveland, O.

Connelly Bros., mill & facty. supplies, 165 Ohio, Buffalo, N. Y.
Connelly Co., Thomas, 118 N. La Salle St., Chicago.
Connelly, F. B., Co., machinery dealers, 423 N. Broadway, Billings, Montana.
Connelly Glass Co., window glass mfgrs., Caney, Kan.
Connelly Hardwood Lbr. Co., 180 Indiana av., Kansas City, Mo.
Connelly Iron Sponge & Governor Co., 237 Fulton St., New York.
Connelly, J., Constr. Co., Leader-News Bldg., Cleveland, Ohio.
Connelly, Joseph L., Co., contractors, 4509 W. Washington, Chicago, Ill.
Conner & Hunt, machsts., 566 Folsom, San Francisco, Cal.
Conner, Chas. H. & Co., tin plate, metals, etc., Louisville, Ky.
Conner, J. W., & Son, agricultural implements, Orangeville, Pa.
Conner Mfg. Co., The, 17th & Arbegust St., Louisville, Ky.
Conner Mfg. Co., stamping dies, springs, etc., 225 Natoma, San Francisco, Cal.
Conner Millwork Co., Front & Stockton St., Trenton, N. J.
Connersville Blower Co., Connersville, Ind.
Connersville Furn. Co., Dept. H, Connersville, Ind.
Connersville Lbr. Co., Connersville, Ind.

CONNERY & CO. (Inc), 4000 N. 2nd, Philadelphia, Pa.

Connewango Refining Co., lubricating oils & greases, Warren, Pa.
Connolly Bros., contractors, Beverly Farms, Mass.
Connolly Bros., toys, 329H Laurel ave., Cheltenham, Pa.
Connolly, M. T., Contrg. Co., 238 17th, Jersey City, N. J.
Connolly Steel Casting Co., Chelsea, Mass.
Connolly, Walter, & Co., mill & facty. supplies, Tyler, Texas.
Connolly, Wm. H., Co., contractors, 196 Market, Newark, N. J.
Connor & Bailey, Inc., Everett, Wash.
Connor & Co., P. L., 555 Mass., Boston, Mass.
Connor Company, R., Marshfield, Wis.
Connor Fdy. Co., Grand Rapids, Mich.
Connor, Francis, pianos, 343 Lexington av., New York.
Connor Hdwe. Co. (Ltd.), cornices, Plymouth, Mich.
Connor, Inc., W. B., 223 W. 33rd st., New York.
Connor Lumber & Land Co., Marshfield, Wis.
Connor Lbr. & Land Co., Laona, Wis.
Connor, M. A., plumbers' specialties, Lockport, N. Y.
Connor, Martha L., stone producers, Walton, N. Y.
Connor & Poriss, Inc., contrs., Hartford, Conn.
Connor, S. A., & Son, contrs., Newton, Ill.
Connors & Co., M. C., 601 W. Madison St., Chicago.
Connors Bros. Co., 15 W. 91st, New York.
Connors, J. C., contrs., Schenectady, N. Y.
Connors, Mary A., & Co., contrs., 163 Devonshire, Boston, Mass.
Connors Steel Co., Empire Bldg., Birmingham, Ala.
Connors, Wm., Paint Mfg. Co., Mfrs., Troy, N. Y.
Conolly, Hy., Co., loose leaf devices, Rochester, N. Y.
Conocacheague Bk. & Earthw. Co., Williamsport, Md.

CONOVER CO., S. A., 24 Milk St., Boston, Mass.

Conquest, P. L., & Son, ties, poles & posts, Amer. Nat'l Bank Bldg., Richmond, Va.
Conrad & Buzby, engineers, etc., 322 High, Burlington, N. J.
Conrad Bros., leather harness, 682H Commerce, Milwaukee, Wis.
Conrad Co., Inc., The, 233 Fulton St., New York. (Formerly Consolidated Radio Call Book Co.)
Conrad, Earl W., carriages, Warsaw, Ind.
Conrad, Edw. J., lbr., Lisbon, N. H.
Conrad, F. J., Cedar Rapids, Ia.
Conrad-Kammerer Glue Co., New Albany, Ind.
Conrad Iron Works, machsts. & fndrs., Boyne City, Mich.
Conrad, J. B. & Son, contrs., 1028 National av., Milwaukee, Wis.
Conrad, John, & Co., corn brooms, Everett, Mass.
Conrad, Jno. F., Co., cleanouts, Elizabeth, N. J.
Conrad Mfg. Co., "furniture," 1942H N. 2nd, St. Louis, Mo.
Conrad Wood Preserving Co., shingle stain, paints, etc., 118 Plymouth av., Minneapolis, Minn.
Conrad, W. R., 1102 High St., Burlington, N. J. (Water Works Supplies.)
Conrades Mfg. Co., N. Second & Tyler Sts., St. Louis, Mo.
Conran Co., Inc., M. E., Brooklyn, N. Y.
Conran Standpipe Co., 7 Jacobs, New York.
Conrey-Davis Mfg. Co., medicine cabinets, sewing tables, Shelbyville, Ind.
Conrey Furniture Co., D. L., Shelbyville, Ind.
Conron-McNeal Co., ice skates, Kokomo, Ind.
Conron, Thos., Hdwe. Co., Danville, Ill.
Conroy Boiler & Tank Wks., 2215 W. 47th St., Chicago.
Conroy-Prugh Co., plate glass mirrors, 1430 Western av., Pittsburgh, Pa.
Conshohocken Stone Quarry, mill & facty. supplies, Conshohocken, Pa.
Considine, Norbert A., 28 N. 6th, Philadelphia, Pa.
Consolidated Accessories Manufacturers' Corp., Frederick, Md.

Consolidated Belting Co., Germantown & Berkly sts., Philadelphia, Pa.
Consolidated Brick Co., Horseheads, N. Y.
Consolidated Broken Stone & Gravel Co., Portland, Me.
Consolidated Car Fender Co., Vale St., Providence, R. I.
Consolidated Car Heating Co., Albany, N. Y.
Consolidated Chemical Co., Kane, Pa.
Consolidated Clay Products Co., The, Canton, O.
Consolidated Coal Co., Buxton, Iowa.
Consolidated Coal Co. of St. Louis, 1155 Ry. Exchange, St. Louis, Mo.
Consolidated Coke Co., Oliver Bldg., Pittsburgh, Pa.
Consolidated Color & Chemical Co., 122 Hudson, New York.
Consolidated Cordage Co., 252 Asylum, Hartford, Conn.
Consolidated Dressed Beef Co., meat packers, 30th & Race, Philadelphia, Pa.
Consolidated Electric Lamp Co., Danvers, Mass.
Consolidated Electric Mfg. Co., Inc., 223 N. 13th St., Philadelphia, Pa.
Consolidated Engine Stop Co., 120 Liberty st., New York.
Consolidated Engng. Co., contractors & engineers, Calvert Bldg., Baltimore, Md.
Consolidated Eng. Co., elec. power machy. & switchboards, Jacksonville, Fla.
Consolidated Engineering Co., Howard University St., Atlanta, Ga.
Consolidated Expanded Metal Companies, Braddock, Pa.
Consolidated Expanded Metal Co., Rankin, Pa.
Consolidated Filters Co., 794 10th av., New York.
Consolidated Fireworks Co., 22 Park pl., New York.
Consolidated Foundry Supply Co., 30 Church St., New York.
Consolidated Fruit Jar Co., New Brunswick, N. J.
Consolidated Fuel & Lumber Co., Ishpeming, Mich.
Consolidated Grocery Co., Jacksonville, Fla.
Consolidated Indiana Coal Co., masons' & bldrs.' matls., Merchants Bank Bldg., Indianapolis, Ind.
Consolidated Instrument Company of America, 461 Eighth Ave., New York.
Consolidated Iron & Steel Mfg. Co., resistance grids, 1290 E. 53d, Cleveland, Ohio.
Consolidated Iron Works, 110 River St., Hoboken, N. J
Consolidated Knitting & Spinning Mills, lumbermen's socks, Reading, Pa.
Consolidated Lamp & Glass Co., Coraopolis, Pa.
Consolidated Lamp & Glass Co., 15 E. 18th, New York.
Consolidated Lumber Co., Tuscaloosa, Ala.
Consolidated Lumber Co., East Wilmington, Cal.
Consolidated Lumber Co., Manistique, Mich.
Consolidated Lumber Co., masons' mtls., Stillwater, Minn.

CONSOLIDATED MACHINE TOOL CORPORATION OF AMERICA, Winton & Blossom Roads, Rochester, N. Y.

A Consolidation of the following Companies:
Colburn Machine Tool Co., Cleveland, O.
Modern Tool Co., Erie, Pa.
Newton Machine Tool Works, Philadelphia, Pa.
Hilles & Jones Company, Wilmington, Del.
Betts Machine Co., Rochester, N. Y.

Branch Offices:
DEL.—Wilmington—Consolidated Mach. Tool Corp. of America (Hilles & Jones Works) (Factory).
ILL.—Chicago, Consolidated Mach. Tool Corp. of America (Dist. Sales Office) 547 W. Washington, Franklin 1242.
MO.—St. Louis—Consolidated Mach. Tool Corp. of America (Dist. Sales Office) American Ry. Exchange, Olive 1476.
N. Y.—New York—Consolidated Mach. Tool Corp of America (Dist. Sales Office) 17 & 42nd St., Vanderbilt 3930.
Rochester—Consolidated Mach. Tool Corp. of America (Betts Works) (Factory).
O.—Cleveland—Consolidated Mach. Tool Corp. of America (Dist. Sales Offices), 1038 Ivanhoe rd.
PA.—Erie—Consolidated Mach. Tool Corp. of America (Modern Tool Works) (Factory).
Philadelphia—Consolidated Mach. Tool Corp. of America. (Newton Tool Works) (Factory) 23rd & Vine st., Locust 0124.
Pittsburgh—Consolidated Mach. Tool Corp. of America. (Dist. Sales Office) Oliver Bldg., Atlantic 0424.

Sales Offices:
ILL.—Chicago—541 W. Washington Blvd.
MO.—St. Louis—2087 Railway Exchange Bldg.
N. Y.—New York—17 E. 42nd st.
PA.—Pittsburgh—817 Oliver Bldg.

Factories:
DEL.—Wilmington—Hilles & Jones Works.
N. Y.—Rochester—Betts Works, Winton & Blossom rds.
Colburn Works.
PA.—Erie—Modern Works.
Philadelphia—Newton Works, 23rd & Vine sts.

Consolidated Mfg. Co., 23 N. Canal St., Dayton, O.
Consolidated Mfg. Co., Fernwood Ave., & S. S. Ry., Toledo, O.
Consolidated Marble & Stone Co., Carthage, Mo.
Consolidated Milling Elevator & Power Co., flour, Chippewa Falls, Wis.
Consolidated Mining & Smelting Co. of Canada, Toronto, Ont.
Consolidated Naval Stores Co., Jacksonville, Fla.
Consolidated Oil Co., Wiley & Big 4 R.R., Cleveland, O.
Consolidated Pac. Cement Plaster Co., Amboy, Cal.
Consolidated Packing & Supply Co., 21 Barclay st., New York.
Consolidated Paper Company, Monroe, Mich.
Consolidated Phosphate Co., Columbia, Tenn.
Consolidated Pipe Co., 2440 E. 9th St., Los Angeles, Calif.
Consolidated Planing Mill Co., Aliceville, Ala.
Consolidated Plaster Lath & Wall Board Co., 5829 Compton Ave., Los Angeles, Cal.
Consolidated Press Co., 300 N. Michigan Ave., Chicago.
Consolidated Press & Tool Co., Hastings, Mich.
Consolidated Products Co., machy. dlrs, 38 Park Row, New York.
Consolidated Ry. Elec. Light'g & Equipmt. Co., 61 B'way, New York.
Consolidated Rendering Co., 40 N. Market St., Boston, Mass.
Consolidated Ribbon & Carbon Co., 63 E. Adams St., Chicago.
Consolidated Rubber Co., Broad Street Bank Bldg., Trenton, N. J.
Consolidated Safety Pin Co., 46 Farrand St., Bloomfield, N. J.

CONSOLIDATED SAFETY VALVE CO., see Manning, Maxwell & Moore, Inc. (successors).

Consolidated Salt Co., 1103 Mateo, Los Angeles, Cal.

CONSOLIDATED SAW MILLS CO., 612 Olive St., St. Louis, Mo.

Pres.—F. A. Goodrich.
V. P.—A. H. Henderson.
Secy. & Treas.—J. A. Meyer.

Consolidated Sheet Metal Works, 661-77 Hubbard St., Milwaukee, Wis.
Consolidated Shipbuilding Corp., Morris Heights, New York.
Consolidated Stamp Mfg. Co., 87 Maiden lane, New York
Consolidated Steel Corp., 35 Goerck St., New York.

CONSOLIDATED STEEL STRAPPING CO., (Successor to Signode System, Inc. & Twisted Wire & Steel Co.,) 2600-2620 N. Western Ave., Chicago.

Pres.—John W. Leslie, R. D. Livingston.
V. P.—S. W. Treat.
Sec.—W. S. Underwood.
Treas.—G. M. Stephens.

Branch Offices:
CAL.—Los Angeles—Room 423 Douglas Bldg.
San Francisco—383 Brannan St.
GA.—Atlanta—34 Seal Place.
IND.—Indianapolis—1405 Fletcher Ave.
LA.—New Orleans—435 Natchez St.
MASS.—Boston—136 Pearl St.
MINN.—Minneapolis, 251 6th Ave. S.
MO.—Kansas City—3841 E. 9th St.
St. Louis—927 Century Bldg.
N. Y.—New York—537 West 35th St.
N. C.—Greensboro—730 Pearson St.
O.—Cleveland—1276 W. 3rd St.
PA.—Philadelphia, 2— Ionic St.
TEX.—San Antonio—Frost Bldg.
WASH.—Seattle—406 Occidental Ave.
WIS.—Milwaukee—134 Jefferson St.

Foreign:
CAN.—Montreal—Canadian Steel Strapping Co., Co., 416 Phillips Pl.
ENGLAND—London, W. C. 2—Signode Ltd. Newton Works, Goldsmith St.

Consolidated Stone Co., Bedford, Ind.
Consolidated Supply Co., masons' supplies, W. 1310 Ide av., Spokane, Wash.
Consolidated Telegraph & Electrical Subway Co., 54 Lafayette, New York.
Consolidated Textile Co., sheeting, 88 Worth, New York.
Consolidated Time Lock Co., 3253 Spring Grove, Cincinnati, O.
Consolidated Tool Works, Inc., carpenters' tools, 296 B'way, New York.
Consolidated Utilities Corp., Binghampton, N. Y.
Consolidated Utilities Corp., elec. lgt. plants, 730 S. Michigan, Chicago, Ill.
Consolidated Water Power & Paper Co., Grand Rapids, Wis.
Consolidated Wheatland Plaster Co., Caledonia, N. Y.
Consolidated Window Glass Co., see Instate Window Glass Co. (successor).
Consolidation Coal Co., The, 343 S. Dearborn St., Chicago.
Consolva & Overmeyer, contractors, Norfolk, Va.
Constable Bros., Co., Erie, Pa.
Constance Lumber Co., Mansfield, Ohio.
Constant, B. S., Mfg. Co., machy. dealers, machsts. & fndrs., grain machy., Bloomington, Ill.
Constant, C. L., Co., metallurgical engrs., 220 B'way, New York.
Constantin Refining Co., petroleum, 10th Floor, new 1st Natl. Bk. Bldg., Tulsa, Okla.
Constantine Board & Paper Co., Constantine, Mich.
Constantine Casket Co., Constantine, Mich.
Constantine Constructn Co., 7 Exchange, Buffalo, N. Y.
Constantine Milling Co., flour, Constantine, Mich.
Constine, Carl & Son, lbr., Peshtigo, Wis.
Constitution Stone Co., Constitution, O.
Construction Co. of North America, Mills Bldg., San Francisco, Cal.
Construction Machinery Co., Waterloo, Ia.
Construction Machinery Co., 453 3d, Los Angeles, Cal.
Construction Service Co., 40 W. 40th, New York.
Consumer Supply Corp. of America, 103 Broad St., New York.
Consumer Rubber Co., 1302 Ontario st., Cleveland, O.
Consumers Co., 111 W. Washington St., Chicago.

CONSUMERS PAPER COMPANY, 6301-6331 Lafayette av., E., Detroit, Mich.

Consumers' Ammonia Mfg. Co., Camden, N. J.
Consumers' Box Board & Paper Co., Lititz, Pa.
Consumers' Box Mfg. Co., packing box mfrs., 925 N. Halsted, Chicago, Ill.
Consumers' Chemical Corp., 120 B'way, New York.
Consumers' Coal & Supply Co., masons' & bldrs.' matls., Asbury Park, N. J.
Consumers' Coal & Supply Co., masons' & bldrs.' matls., Elkhart, Ind.
Consumers' Cotton Oil Mills, U. S. Yards, Chicago, Ill.
Consumers' Fuel & Building Supply Co., Lima, Ohio.
Consumers' Fuse & Powder Co., 22 Battery, San Francisco, Cal.
Consumers' Lumber & Veneer Co., Apopka, Fla.
Consumers' Monument Co., Ball Ground, Ga.
Consumers' Power Co., 226 Main, Jackson, Mich.
Consumers' Rock & Gravel Co., 1960 E. 26th, Los Angeles, Cal.
Consumers' Salt Co., Los Angeles, Cal.
Consumers Twine & Machinery Co., Sioux City, Ia.
Contact Process Co., chemicals, 351 Abbott rd., Buffalo, N. Y.
Contact Process Co. See National Aniline & Chem. Co., New York.
Contentnea Guano Co., Wilson, N. C.
Contey, Frank, scrap iron, rubber, 451 Whiton, Jersey City, N. J.
Contey, Frank M., scrap iron, 317 Grand, Jersey City, N. J.
Conti Bros., granite producers, Milford, N. H.
Continental Auto Parts Co., 2207 E. 17th St., Columbus, Ind.
Continental Axle Co., Edgewater, Wis.
Continental Boiler & Sheet Iron Wks., 4389 Duncan, St. Louis, Mo.

CONTINENTAL BOLT & IRON WORKS, West 43rd st. & Western av., Chicago.

Pres.—D. P. Donelson.
V. P.—J. G. Hempsted.
Secy.—Onward Bates.
Treas.—Paul K. Richter.

Continental Brass & Foundries Co., stoves, 2700 S. 7th st., St. Louis, Mo.
Continental Brick Co., Wright Bldg., St. Louis, Mo.
Continental Bridge Co., Peotone, Ill.
Continental Building Specialties, Hibernian Bank Bldg., Los Angeles, Cal.
Continental Can Co., 1016 E. Water St., Syracuse, N. Y.
Continental Car Co. of America, Inc., 4721 Park Blvd., Louisville, Ky.
Continental Cement Tile Co., 310 S. Michigan Ave., Chicago.
Continental Co., 2-126 General Motors Bldg., Detroit, Mich.
Continental Cordage Co., Grand Central Terminal, New York.
Continental Chemical Co., calcium phosphate acid, Vincennes, Ind.
Continental Chimney Co., Inc., radial & common brick, also concrete, 118 N. La Salle, Chicago, Ill.
Continental Condensed Milk Co., Mill Hall, Pa.
Continental Desk Co., Dept. H, 621 Cedar, Rockford, Ill.
Continental Drug & Chemical Co., 1705 Stevens, El Paso, Texas.
Continental Electric Co., 32 Warren st., New York.
Continental Engineering Corp., Omaha, Neb.

CONTINENTAL FELT CO., 64-66 E. 11th, New York.

Continental Fibre Company, The, Newark, Del.
Continental File Corporation, Anderson, Ind.
Continental Furn. Co., Dept. H, High Point, N. C.

CONTINENTAL FURNITURE CO., 1636 Bryant, San Francisco, Calif.

Continental Gin Co., Title Guarantee Bldg., Birmingham, Ala.
Continental Grate Co., 53 State, Boston, Mass.
Continental Guarantee Corp., 244 Madison Ave., New York.
Continental Heater Co., Dunkirk, N. Y.
Continental Iron & Steel Co., 33 Rector st., New York.
Continental Iron Works, West and Cayler Sts., Brooklyn, N. Y.
Continental Knitting Mills, sweaters, cardigans, etc., 360 Flushing av., Brooklyn, N. Y.
Continental Lamp Works, Inc., 532-540 N. 22nd St., New York.
Continental Latch Needle Co., 71 Murray, New York.
Continental Lumber Co., 1204 Carter Bldg., Houston, Tex.
Continental Mach'y, Co., 111 W. Monroe St., Chicago.
Continental Mach. Wks., 223 5th, Oakland, Cal.
Continental Mfg. Co., N. W. Cor. Hope & Morris Sts., Philadelphia, Pa.
Continental Mfg. Co., disinfectants & furn. polish, Van Buren & Draper, Indianapolis, Ind.
Continental Marble & Granite Co., Canton, Ga.
Continental Metal Co., bearings, 134 St. Felix, Brooklyn, N. Y.
Continental Mexican Petroleum Co., 25 B'way, New York.
Continental Mills, cotton sheetings, Lewiston, Me.
Continental Mills (Cotton Cloth), 67 Chauncy, Boston, Mass.
Continental Motors Corp., 12801 E. Jefferson St., Detroit, Mich.
Continental Motor Mfg. Co., machsts., Muskegon, Mich.
Continental Oil Burner Corp., 430 Rush St., Chicago.
Continental Oil Co., Continental Oil Bldg., Denver, Colo.
Continental Paper & Bag Mills, 1 Pershing Sq., New York.
Continental Paper Co., Bogota, N. J.
Continental Petroleum Co., Sharon Bldg., San Francisco, Cal.
Continental Pipe Manufacturing Co., 4579-14th St., N. W., Seattle, Wash.
Continental Pipe Manufacturing Co., 4519 14th av. N. W., Seattle, Wash.
Continental Piston Ring Co., 276 Walnut St., Memphis, Tenn.
Continental Radio & Electric Corp., 6 & 15 Warren St., New York.
Continental Portland Cement Co., cement mfrs., St. Louis, Mo.
Continental Prods. Co., cements, enamels, paints, etc., Quebec av., Cleveland, Ohio.
Continental Refining Co., Oil City, Pa.
Continental Rubber Co. of N. Y., 120 Broadway, New York.
Continental Rubber Works, Erie, Pa.
Continental Sales Corp., 53 Jay St., New York.
Continental Salt & Chemical Co., 16 California, San Francisco, Cal.
Continental Scale Works, 2124-6 W. 21st Pl., Chicago.
Continental Scriptex Ink Co., Howard & Norris Sts., Philadelphia, Pa.
Continental Steel & Supply Co., nails, Fulton Bldg., Pittsburgh, Pa.
Continental Steel Supply Co., 409 Fulton Bldg., Pittsburgh, Pa.
Continental Sugar Co., Toledo, Ohio.
Continental Supply Co., Post Dispatch Bldg., St. Louis, Mo.
Continental Tie & Lumber Co., Chamber of Commerce Bldg., Denver, Colo.
Continental Tin Co., Birmingham, Ala.
Continental Tool Works, McGraw & 33rd, Detroit, Mich.
Continental Truck Mfg. Co., Superior, Wis.
Continental Varnish Co., enamels, paints, etc., 133 Ingraham, Brooklyn, N. Y.
Continental Wood Screw Co., Mt. Pleasant, New Bedford, Mass.
Continental Works (Paints), 1313 S. Kilbourn Ave., Chicago.
Continuous Castings Corp. See Continuous Rolling Mills, Inc. (successors).
Continuing Rolling Mills, Inc., brass & copper rods & tubing, Garwood, N. J.
Contoocook Mills Corp., Hillsboro, N. H.
Contoocook Valley Paper Co., West Henniker, N. H.
Contour Buffing Machine Co., Inc., 410 Bird Ave., Buffalo, N. Y.
Contra Costa Bldg. Material Co., Oregon & Shuttuck av., Berkeley, Cal.
Contra Costa Construction Co., Berkeley, Cal.
Contract Plating Co., 559 N. Ave., Bridgeport, Conn.
Contract Waterproofing Co., Inc., 2042 Railway Exchange Bldg., St. Louis, Mo.
Contracting & Material Co., 4918 S. Wells, Chicago, Ill.
Contractors & Builders Supply Co., 1403 5th, Oakland, Cal.
Contractors' & Engineers Monthly Trade Publishers, 443 4th Ave., New York.
Contractors Equipment Agency, 209 Balboa Bldg., San Francisco, Cal.
Contractors Equip. Co., Keokuk, Ia.
Contractors' Equipment Co. See Clyde Equipment Co. (successors).
Contractors' Machinery & Supply Co., Wabash Bldg., Pittsburgh, Pa.
Contractors Service Co., 50 Church St., New York.
Contractors' Machy. Exchange, 38 Stanford, San Francisco, Cal.
Contractors' Supply Co., Railroad Ave., Elmira, N. Y.
Contractors' Trading Co., contractors' tools & supplies, 232 Fulton, New York.
Contra-Pole Electric Co., The, 2131 Prospect Pl., Brooklyn, N. Y.
Contrexeville Mfg. Co., plushes, Manville, R. I.
Converse & Co., W. W., Palmer, Mass.

Converse Bridge & Steel Co., Anderson St., Chattanooga, Tenn.
Converse Co., Inc., F. S., Johnson City, N. Y.
Converse, D. E., Co., cotton sheetings, Glendale, S. C.
Converse, H. P. & Co., 161 Devonshire, Boston, Mass.
Converse, M. E. & Son, toys, games & nov., Winchendon, Mass.
Converse Rubber Shoe Co., Malden, Mass.
Conveying Weigher Co., 90 West St., New York.
Conveyor Corp. of America, 326 W. Madison St., Chicago.
Conveyor Co., 140 W. Elmyra, Los Angeles, Cal.
Conway Clutch Co., The, 628 Burns St., Cincinnati, O.
Conway Co., 2019 St. Paul Ave., Milwaukee, Wis.
Conway Co., R. F., 844 Rush St., Chicago.
Conway Cotton Oil & Gin Co., Conway, Ark.
Conway Iron Wks., Conway, S. C.
Conway, John J., Co., shears & scissors, 50 Worth, Bridgeport, Conn.
Conway, J. P., machst. & fndr., Winchester, Ky.
Conway Lumber Co., Fort Dodge, Ia.
Conway, Martin, contractor, New Brunswick, N. J.
Conway Stove Co., mfrs., Belleville, Ohio.
Conway Veneered Door & Mantel Co., 2019 St. Paul, Milwaukee, Wis.
Conway, Wm., 5800 Walnut St., Philadelphia, Pa.
Conway, Wm. A., wholesale hdwe., 626 Forrest, Baltimore, Md.
Conwell & Co., ties, poles, etc., Milton, Del.
Cook & Beck Company (now Cook Tie & Pole Company), Philadelphia, Pa.
Cook & Brown Lime Co., Oshkosh, Wis.
Cook & Chick Co., 20 E. Kinzie St., Chicago.
Cook & Coburn, dowels, West Fairlee,, Vt.
Cook & Cokefair, lubrg. oils, 306 Pearl, New York.
Cook & Co., Chas. A., 3903 2nd Ave., Brooklyn, N. Y.
Cook & Co., Jonathan B., 208 S. La Salle St., Chicago.
Cook & Co., Wm. P., 85 Wall St., New York.
Cook & Laurie Gravel Co., Montgomery, Ala.
Cook & Parker, whip mfrs., Westfield, Mass.
Cook & Smith, Redwood, N. Y.
Cook & Swan Co. (Oils), 148 Front St., New York.
Cook, A. D., Lawrenceburg, Ind.
Cook, A. E. & Co., elec. contrs., Meriden, Conn.
Cook, Barron C., Chemical Mfg. Co., 309 W. 10th, Charlotte, N. C.

COOK BELTING CO., H. N., 401 Howard St., San Francisco, Cal.

Pres.—Milton H. Cook.
V. P.—A. K. Cook.
Pur. Agt.—Harvey Black.
CALIF.—Los Angeles—106 W. 3rd St.
Distributors:
COLO.—Denver—Hendrie & Bolthoff Mfg. & Supply Co.
UTAH—Salt Lake City—Reiapp Romney Co.

Cook Bros., contractors, La Porte, Ind.
Cook Bros. Leather Co., Practor, Salem, Mass.
Cook Bros. Pottery Co., Gadsden, Ala.
Cook Bros., 1746 Green, San Francisco, Cal.
Cook, C. J., 6035 14th St., Detroit, Mich.
Cook Cane Mill & Evaporator Co., sugar evap. & mills, 200 N. Main, St. Louis, Mo.
Cook Carriage Co., Bloomville, Ohio.
Cook, Chas. K., Co., adv. novelties, 211-213 S. 2nd, Camden, N. J.
Cook Co., Asa S., Hartford, Conn.
Cook Co., C. A. (Piano & Typewriter Chairs), Cambridge, Mass.
Cook Co., H. C., Ansonia, Conn.
Cook Electric Co., 2700 Southport, Chicago, Ill.
Cook Electric Heating Co., stoves, 715 Frankfort av., Cleveland, O.
Cook, F. A. & Sons, contractors, 152 W. 38th, New York.
Cook, F. D., Lbr. Co., Nashua, N. H.
Cook, F. H., & Co., see Standard Tool Co. (successor).
Cook, Fred, lumber, Dunn, La.

COOK FURNITURE & EQUIPMENT CO., 15th & Market Sts., Philadelphia, Pa.

Cook, H. R., cornices & skylights, Wilmington, Del.
Cook Iron Store Co., mill & facty. supplies, Rochester, N. Y.
Cook, J. W., common brick, Poneto, Ind.
Cook, Jas. M., lbrmen's socks, Somerset, Pa.
Cook, John, & Son, contractors, Brookline, Mass.
Cook, John, & Son, willow ware, 219 N. 10th, Reading, Pa.
Cook-Lewis Fdry. Co., Greensboro, N. C.
Cook, M. S., 253 Broadway, New York.
Cook Mfg. Co., C. Lee, 918-8th St., Louisville, Ky.
Cook Milling Co., flour, Melvane, N. C.
Cook Motor Co., The, Delaware, O.
Cook Motors Corp, autos, tractors, etc., Kankakee, Ill.
Cook, O. S., & Sons Co., packing box mfrs., 64 Westminster, Fitchburg, Mass.
Cook Paint & Varnish Co., 1319 Grand Ave., Kansas City, Mo.
Cook Plate Co., Edward N., 70 Ship St., Providence, R. I.
Cook Pottery Co., Prospect & P. & R. R., Trenton, N. J.
Cook, S. A., & Co., household furniture, Dept. H, Medina, N. Y.
Cook, Simon Co., scrap iron, Wabash, Ind.

COOK SPRING CO., Ann Arbor, Mich.

Cook Standard Tool Co., Kalamazoo, Mich.
Cook Standard Tool Co., cattle guards, Kalamazoo, Mich.

COOK TIE & POLE COMPANY, 919 Com'l Trust Bldg., Philadelphia, Pa.

Cook Watkins & Co., 221 Columbus Ave., Boston, Mass.
Cook, Wm. P., & Co., ties, Commodores Pt., Jacksonville, Fla.
Cooke & Cobb Co., The, 213 Steuben St., Brooklyn, N. Y.
Cooke, J. P., Co., stamps—rubber, steel, Omaha, Neb.
Cooke, Jno K., & Son, Inc., steel structural work, Athenia, N. J.
Cooke, Jos. S., electroplating, 20 Jacob, New York.
Cooke-Wilson Elec. Supply Co., Imperial Power Bldg., Pittsburgh, Pa.
Cookeville Roller Mills, flour, Cookeville, Tenn.
Cook's, A., Sons Co., lumber, Cooksburg, Pa.
Cook's, Adam, Sons, lubrg. oils, 708 Washington, New York.
Cook's Linoleum Co., E. State St., Trenton, N. J.
Cook's Lbr. Co., Laconia, N. H.
Cook's Sons, Inc., Adam, 708 Washington St., New York.
Cookson, Walker & Callahan, naval architects & ship bldrs., San Pedro, Cal.
Cool Spring Canning Co., Cool Spring, Del.
Coolbaugh, C. C., & Son Co., sash, door & blind mfrs., 19th & Cambria, Philadelphia, Pa.
Cooledge, F. J., & Sons, enamels, paints, Atlanta, Ga.
Cooley & Edlund, Cortland, N. Y.
Cooley & Trevor Mfg. Co., machsts., 1 S. Ann, Hartford, Conn.
Cooley Bros. Lbr. Co., Mize, Miss.
Cooley Co., A. S., Canandaigua, N. Y.
Cooley Co., Geo. M., San Bernardino, Calif.
Cooley Hardwood Mfg. Co., floors & veneer, Ft. Dennison, Oakland, Cal.
Cooley Mfg. Co., cheese boxes, West Bend, Wis.
Cooley Mfg. Co., packing mfrs., 366 W. Broadway, New York.
Cooley Mfg. Co., 530 N. Western Ave., Chicago.
Cooley Wright Mfg. Co., machsts. & fndrs., gas engines, Waterbury, Vt.
Coolidge & Schussler, lumber, Metropolitan Life Bldg., Minneapolis, Minn.
Coolidge Adv. Agency, 1216 Grand St., Des Moines, Ia.
Coolidge Carriage Co., Woodville, Mass.
Coolidge, L. H., Co., naval architects, 66 W. Marion, Seattle, Wash.
Coolidge, Roger E., mill engineer, Southbrige, Mass.
Cooling Carriage Co., 406 French, Wilmington, Del.

COOLING TOWER CO., INC., THE, 15 John St., New York.

Pres.—A. B. Tappen.
Sec.—J. H. Taylor.
Treas.—L. A. Phillips.
Chief Engr.—B. H. Coffey.
Representatives:
ALA.—Birmingham—Feaster's Sales Co., Inc., 311 Fourth Ave., N. E.
CALIF.—Los Angeles—N. O. Fleming, 5815 Maywood Ave.
COLO.—Denver—Thompson-Whiting Co., Exchange Bldg.
D. C.—Washington—Central Construction & Supply Co., 634 Munsey Bldg.
FLA.—Orlando—Cornell-Mathews Co., Christ Bldg.
GA.—Atlanta—Douglas B. Wright, 16 Nassau.
ILL.—Chicago—E. E. Maher, 30 N. Michigan Ave., State 3698.
LA.—New Orleans—Engineering Sales Co., 640 S. Peters St.
MD.—Baltimore—Central Construction & Supply Co., 913 Cathedral St.
MASS.—Boston—Starkweather & Broadhurst, Inc., 79 Milk St., Congress 1810.
MICH.—Detroit—Coon-DeVisser Co., 1772 West LaFayette Blvd., Main 7702.
MO.—Kansas City—J. F. Prichard & Co., 419 Reliance Bldg., Main 3247.
St. Louis—Koppen-Smith Co., Inc., 2628 Olive St., Bomont 2766.
N. C.—Charlotte—G. G. Slaughter Machy. Co., Johnson Bldg.
O.—Cincinnati—C. M. Robinson Co., 16 West 12th St.
Cleveland—York-Ohio Ice Machine Co., 2700 Washington Ave.
Columbus—C. M. Robinson, 422 N. High St.
PA.—Philadelphia—Central Construction & Supply Co., 2224 Arch St., Spruce 1680.
Pittsburgh—Herr-Harris Co., 910 Fulton Bldg., Grant 3300.
TEX.—Houston—J. A. Rossiter, Inc., 419 Union Nat'l Bank Bldg.
Foreign:
WEST INDIES—Havana, Cuba—Victor G. Mendoza Co., Cuba No. 3.

Coombs, C. B., auto wheel pullers, Walker & State, Indianapolis, Ind.
Coombs, R. D., & Co., steel struct'l work, 30 Church, New York.
Coombs, Wm. A., Milling Co., flour, Coldwater, Mich.
Coon River Sand Co., Des Moines, Ia.
Coonan, J. E., 149 Broadway, New York.
Coon-De Visser Co., mill, factory & steam fitters' supplies, 1772 W. Lafayette Blvd., Detroit, Mich.
Cooney & Smith, mattresses, Saginaw, Mich.
Coony & Winterbottom, Inc., plbrs.' supplies, 1400 Santa Fe Ave., Los Angeles, Cal.
Cooney, Eckstein & Co., 302 Broadway, New York.
Cooney, John H., heating contractor, Harrison, N. J.
Coonley Mfg. Co., Cicero, Ill.
Coons, F. W., 427 River St., Troy, N. Y.
Cooper & Aab, sheet metal work, 116 Plymouth Ave., Rochester, N. Y.
Cooper & Co., Chas., 194 Worth St., New York.
Cooper & Cooper (Chem. & Drugs), 309 Broadway, New York.
Cooper & McKee, refrigerators & water coolers, 119 Lorimer, Brooklyn, N. Y.
Cooper & Nephews, Wm., 152 W. Huron St., Chicago.
Cooper-Bell Varnish Co., 2606 Federal St., Chicago.
Cooper Brothers, Cortland, N. Y.
Cooper, C. M., ties, poles & posts, Paintsville, Ky.
Cooper Carbon Coated Paper Co., 2756 S. Trumbull Ave., Chicago.
Cooper, Chas. (Est. of), knitting & textile machs., etc., Bennington, Vt.
Cooper, Chas. S., contractor, 20 Clinton Ave., Newark, N. J.
Cooper Co., Madison, Calcium, N. Y.
Cooper Co., C. & G., Mt. Vernon, O.
Cooper Corporation, The, 8th & Main, Cincinnati, O.
Cooper Creek Chem. Co., totuol & loylol, W. Conshohocken, Pa.
Cooper, Dyer, machst., 615 N. Galloway, Philadelphia, Pa.
Cooper, E. C., ties, Wilton, Ark.
Cooper, E. N., & Co., machst. & fndr., Harrisburg, Pa.
Cooper Excelsior Works, Columbus, Ga.
Cooper Flexible Transmission Co., Inc., 1723 8th Ave., Brooklyn, N. Y.
Cooper Foundry, Atchison, Kan.
Cooper, Frank N., & Co., contrs., 6370 Gratiot, Detroit, Mich.
Cooper, H. W., Saddlery Hardware Mfg. Co., Moline, Ill.
Cooper, Harry, Supply Co., plumbers', jobbers' & steam fitters' supplies, Springfield, Mo.
Cooper Hewitt Electric Co., 95 River St., Hoboken, N. J.
Cooper, Hugh L., & Co., contractors, 101 Park Ave., New York.
Cooper, Jno., cupola linings, 111 Clay, Brooklyn, N. Y.
Cooper, John S., & Co., canned goods, Columbia, Del.
Cooper Lumber Co., Columbus, Ga.
Cooper Mfg. Co., Inc., Marshalltown, Ia.
Cooper Mfg. Co., mattresses, 916 S. 9th, Waco, Tex.
Cooper Mfg. Co., 1286 Folsom, San Francisco, Cal.
Cooper Mfg. Co., auto accessories, Marshalltown, Iowa.
Cooper Mattress Mfg. Co., Columbus, Ga.
Cooper, Otway, halters & wholesale hdwe., Urbana, O.
Cooper Oven Thermometer Co., Pequabuck, Conn.
Cooper, R. J., Monadnock Bldg., San Francisco, Cal.
Cooper Sanitary Mfg. Co., 34th and Chestnut Sts., Philadelphia, Pa.
Cooper Spring Co., Leader-News Bldg., Cleveland, O.
Cooper Storage Battery Mfg. Co., 2514 Reading, Cincinnati, Ohio.
Cooper Union, engng. school & coll., Cooper Sq., New York.
Cooper Wagon & Buggy Co., A. A., Dubuque, Ia.
Cooper, W. E., Lbr. Co., 2035 E. 15th, Los Angeles, Cal.
Cooper, W. S., & Co., contractors, Toronto, Ohio.
Cooper, Wells & Co., lumbermen's socks, St. Joseph, Mich.
Cooper-Widenmann Constr. Co., 4612 Woodward, Detroit, Mich.
Cooper, Wm. J., & Co., sashes, doors & blinds, Camden, N. J.
Cooper's Creek Chem. Co., totuol and loylol, W. Conshohocken, Pa.
Cooper's, Peter, Glue Factory, Gowanda, N. Y.
Coopersburg Bending Wks., carriage bodies, Coopersburg, Pa.
Coopersburg Casket Co., Coopersburg, Pa.
Co-operative Concrete Construction Co., Oskaloosa, Ia.
Co-operative Enterprise Glass Co., lamp chimneys, North Vernon, Ind.
Co-operative Electric Supply Hse., 120-124 N. Union St., Chicago.
Co-operative Fertilizer Co., Braselton, Ga.
Co-operative File Co., Lawrence, Mass.
Co-operative Flint Glass Co., Beaver Falls, Pa.
Co-operative Fdry. Co., Lincoln Park, Rochester, N. Y.
Co-operative Furniture Co., book-cases, Rockford, Ill.
Co-operative Furniture Mfg. Co., 733 Aliso, Los Angeles, Cal.
Co-operative Glass Co., bottles, jars, etc., Richmond & Daly, Los Angeles, Cal.
Co-operative Machy. Co., mill & facty. supplies, 1227 W. 9th, Cleveland, Ohio.
Co-operative Plate Window Glass Co., 5914 S. Racine Ave., Chicago, Ill.
Co-operative Stove Co., Bloomington, Ill.
Co-operative Tin Shop, cornices & skylights, Lafayette, Ind.
Coops & Sons Piano Co., 1180 S. Fair Oaks Ave., Pasadena, Cal.
Coors Porcelain Co., Golden, Colo.
Coos Bay Iron Works, Marshfield, Ore.
Coos Bay Lumber Company, Oakland, Cal.
Coos Bay Lumber Co., Oakland, Cal.
Coos Bay Lumber Co., Balfour Bldg., San Francisco, Cal., Mills at Bay Point, Cal.
Coosa Portland Cement Co., N. Stock Exch. Bldg., Philadelphia, Pa.
Coosa River Fertilizer Co., Wetumpka, Ala.
Coover Railroad Track Brace Co., Dayton, O.
Copalis Lbr. Co., Carlisle, Wash.
Cope & Gabriel Coin Lock Co., see Gabriel, A. (successor).
Cope & Son, Ltd., Vancouver, B. C., Can.
Cope, Hy., & Co., fertilizer mfrs., Lincoln University, Pa.
Cope, L. N., & Son, contractors, Decatur, Ill.
Cope Plbg. & Htg. Co., Coeur d'Alene, Idaho.
Cope, T. J., 2114 Sansom St., Philadelphia, Pa.
Copeland Bros. Realty Co., lbr., Tuscaloosa, Ala.
Copeland Co., M. G., 1313 K. St., N. W., Washington, D. C.
Copeland, G. T., corn poppers, Gloversville, N. Y.
Copeland, Hugh, & Sons, stone producers, Washington & 24th, Philadelphia, Pa.
Copeland, J. F., cornices & skylights, Hampton, Va.
Copeland Products, Inc., refrigerators, Flint, Mich.

COPEN ADV. CO., WM., Pittsburgh, Pa.

Coplay Cement Mfg. Co., Copley, Pa.
Copley Bros., Riverside, Calif.
Copp, Geo. W., Co., Inc., curtain fasteners & auto tops, 557 W. 54th, New York.
Coppage Printing & Loose Leaf Co., Inc., 545 Pearl, New York.
Copper Clad Steeel Co., Rankin, Braddock, P. O., Pa.
Copper Clad Malleable Range Co., Wainright Bldg., St. Louis, Mo.
Coppersmith, J. M., machinist, Rockford, Ohio.
Coppes Bros. & Zook, cabinets, Nappanee, Ind.
Coppola, D., landscape architect, Echester Rd. & Pelham Parkway, New York.
Copps Bros., bldg. contractors, Madison, Wis.
Coppus Engineering & Equipment Co., turbo blowers, turbo boiler-feed pumps & steam turbines, 344 Park, Worcester, Mass.
Coral Concrete Culv. Mfg. Co., Coral, Mich.
Coral Ridge Clay Products Co., In-Sou Blvd., Louisville, Ky.
Corbett & Co. (Ladders), 429 E. 109th St., New York.
Corbett & Rohe, mill & facty. supplies, Greensburg, Ind.
Corbett & Stuart, wood acids, Binghamton, N. Y.
Corbett Boiler & Tank Co., Geo. E., 1336 Cortland St., Chicago.
Corbett, Harvey W., 132 W. 42d, Brooklyn, N. Y.
Corbett Lumber Co., Moultrie, Ga.
Corbett, M. J., & Co., bronze powders, 24 State, New York.
Corbett, M. J., & Co., wood acids & alcohol, Binghamton, N. Y.
Corbett Mill Co., lumber, Anacortes, Wash.
Corbett-Steeves Pattern Works, Rochester, N. Y.
Corbett, T. R., & Sons, contractors, Woburn, Mass.
Corbett, Wm. H., see Corbett Planing Mill Co. (successors).
Corbin & Guion, machsts., 310 S. Desplaines, Chicago, Ill.
Corbin Cabinet Lock Co., Park and Orchard St., New Britain, Conn.
Corbin Division, P. & F., The American Hdwe. Corp., New Britain, Conn.
Corbin, P. & F., hdwe., 101 Park Ave., New York.
Corbin Screw Corp., High & Myrtle sts., New Britain, Conn.
Corbin Supply Co., Macon, Ga.
Corbitt Motor Truck Co., Henderson, N. C.
Corby Co., alcohols, Washington, D. C.
Corcoran Constr. Co., West Chester, Pa.

CORCORAN, INC., A. J., 745 Jersey av., Jersey City, N. J.

Corcoran Mfg. Co., automobile parts, Foraker & Norwood, Cincinnati, Ohio.
Corcoran, Matt, & Co., coppersmiths, Louisville, Ky.
Corcoran, P., & Son, packing box mfrs., D., S. Boston, Mass.
Corcoran Supply Co. of Brockton, Brockton, Mass.
Corcoran-Victor Co., 712 Reading Rd., Cincinnati, O.
Corcoran Victor Co., see Cincinnati Victor Co. (successors).
Cord Tire Corp., Chester, W. Va.
Cordage Trade Journal, 81 Fulton, New York.
Cordaville Woolen Co., Cordaville, Mass.
Corddry Co., Inc., sash, door & blind mfrs., Snow Hill, Md.

CORED BAR CORP., Buffalo, N. Y.

Cordele Sash Door & Lumber Co., Cordele, Ga.
Cordella, Victor, arch., 321 Kasota Bldg., Minneapolis, Minn.
Cordes, Ayrault & Co., asphalt shingles, Tonawanda, New York.
Cordes, F. W., 1252 1st Ave. S., Seattle, Wash.

Cordesman, Bechtin Co., 215-19 Butler St., Cincinnati, O.
Cordia, E. F., Land & Lumber Co., Potosi, Mo.
Cordingley, W. S., & Son, cotton waste, 229 A. S., Boston, Mass.
Cordis Mills, tickings, Millbury, Mass.
Cordley & Hayes, 7 Leonard St., New York.
Core Joint Concrete Pipe Co., 1802 Whitmore Ave., Baltimore, Md.
Corey, E., & Co., wholesale hdwe., mill & facty. supplies, 65 W. Commercial, Portland, Me.
Corey Leather Co., 179 South, Boston, Mass.
Corey Mach. Co., machsts., Gloversville, N. Y.
Corey Tailor Construction Co., Ogden, Utah.
Corey, Wm., Co., knitting machines, Island Pond Rd., Manchester, N. H.
Corinth Machine Co., Corinth, Miss.
Cork & Zicha Marble Co., 813 Vernon Ave., L. I. City, N. Y.
Cork Insert Co., 164 Federal St., Boston, Mass.
Corken Machy. & Supply Co., 211 W. 1st St., Oklahoma City, Okla.
Corkery, Jno. J., stone producers, Yonkers, N. Y.
Corkey Bros. Logging Co., lumber, Hoquiam, Wash.
Corkran, Hill & Co., meat packers, Union Stock Yards, Baltimore, Md.
Corlett & Co., J. F., Rockefeller Bldg., Cleveland, O.
Corlett, W. W., oil & gas well supplies, Knox, Pa.
Corley, J. P., Lumber Co., Manchester, Ga.
Corley Mfg. Co., saw teeth, 1217 Market, Chattanooga, Tenn.
Corliss, Macy & Co., 20 John St., New York.

CORLISS CARBON COMPANY, Box 377, East Bradford, Bradford, Pa.
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Sec.—H. G. Kiefer.
Gen. Mgr.—W. C. Kalb.
Sales Mgr.—L. J. Kerlin.

Corliss, C. R., & Sons, oiled clothing, Gloucester, Mass.
Corliss Gas Engine Co., 440 Market, San Francisco, Cal.
Corliss, J., Supply Co., manufacturers agents, 1906 Olive, St. Louis, Mo.
Corliss Motor Truck Co., Corliss, Wis.
Corliss Supply & Mfg. Co., 118 Walnut St., St. Louis, Mo.
Cormichael Gravel Co., Williamsport, Ind.
Corn Belt Tractor Co., traction engines, 2701 Univ. Ave. S. E., Minneapolis, Minn.
Corn Products Refining Co., 17 Battery Place, New York.
Corneby-Baldwin Lumber Co., Inc., Sayre, Pa.
Corneby, F. G., sash, door & blind mfrs., Athens, Pa.
Cornelius Lumber Co., Arcade Bldg., St. Louis, Mo.
Cornelius Mill Furnishing Co., 1119 N. 6th, St. Louis, Mo.
Cornelius-Scott-Sargeant, 29 Broadway, New York.
Cornell & Underhill, plumbers, mill & steam fitters' supplies, iron pipe jobbers, Greenwich & Spring, New York.
Cornell Bros., contractors, Tacoma, Wash.
Cornell College, engng. school & coll., Mount Vernon, Ia.
Cornell, Emery & Co., 16 E. 40th St., New York.
Cornell Engnrg. Co., contrs., 2611 Cornell Ave., Indianapolis, Ind.

CORNELL IRON WORKS, 25th St. and 11th Ave., New York.

Cornell, J. S., & Son, contractors, 1412 Morris Bldg., Philadelphia, Pa.
Cornell Lumber Co., Pleasantville, N. Y.
Cornell University, engng. school & coll., Ithaca, N. Y.
Cornell Wood Products Co., 190 N. State St., Chicago.
Cornell Wood Products Co., Cornell, Wis.
Cornell-Young Co., contractors, Macon, Ga.
Corner, Jas., & Sons, pine tar, E. Falls Ave. & Fawn, Baltimore, Md.
Cornfoot, Wm., mach. & gdr., 28 Abina Ave., Portland, Ore.
Cornie Stave Co., lumber, Junction City, Ark.
Corning & Company, Warren, 343 S. Dearborn St., Chicago.
Corning, Arthur W., 321 Pearl st., New York.
Corning Building Co., Corning, N. Y.
Corning, Edward, Co., contractors, 145 E. 45th, New York.
Corning Fdry., Inc., grey iron castings, Corning, N. Y.

CORNING GLASS WORKS, Corning, N. Y.
Executive Com.—Alanson B. Houghton, Arthur A. Houghton, Alexander D. Falck.
Pres.—Alexander D. Falck.
V. P.—Arthur L. Day, George S. Hollister, Eugene C. Sullivan.
Secy.—William Sinclaire.
Treas.—John L. Thomas.
Sales Mgr.—G. B. Hollister.
Corning, N. Y.—F. C. Cameron, W. T. Hedges.
New York—501 5th Ave., G. W. Drake, I. B. Cary.

Corning Mfg. Co., Corning, N. Y.
Cornish, Alfred, & Co., harness, saddles, etc., Omaha, Neb.
Cornish Co., pianos, Washington, N. J.
Cornish, E. P., 450 Manchester st., Manchester, N. H.
Cornituis, Geo. C., lbr., 485 California, San Francisco, Cal.
Cornplanter Refining Division, Warren, Pa.
Corns Conveying Belt Co., 53 W. Jackson Blvd., Chicago, Ill.
Cornwall & Co., E., 709 Sarah St., Pittsburgh, Pa.
Cornwall & Patterson Mfg. Co., Bedford & Fairfield sts. (Piano Hardware), Bridgeport, Conn.
Cornwall Industrial Corp., contractors, Cornwall, N. Y.
Cornwall, J., & Sons, flour mills, Cadillac, Mich.
Cornwall Mfg. Co. (Metal Stampings), Penobscot Ave. & E. 128th St., Cleveland, O.
Cornwall Ore Bank Co., Cornwall, Pa.
Cornwell Co., meat packers, Saginaw, Mich.
Cornwell, Lewis (Est. of), lbr. mfrs., Saginaw, Mich.
Cornwell Quality Tools Co., The, Cuyahoga Falls, O.
Corol Co., 127 N. Dearborn St., Chicago. (Now The Simoniz Co.).
Corona Chemical Co., color mfrs., etc., 213 Lake, Milwaukee, Wis.
Corona Kid Mfg. Co., 129 South, Boston, Mass.
Corona Rubber Reclaiming Co., Germantown, Pa.
Corona Supply Co., carbon paper, etc., Rochester, N. Y.
Corona Typewriter Co., Inc., Groton, N. Y.
Coronaca Granite Quarries, Dept. H, Coronaca, S. C.
Coronaca Oil Mill, meal, Coronaca, S. C.
Coronet Phosphate Co., 99 John, New York.
Corporation Appliance Co., 19 W. Jackson Blvd., Chicago.
Corporation of Electronic Institutes, First Nat'l Bank Bldg., San Francisco, Cal. (successors to Norris, Geo. F., Co.).
Corpus Christi Hardware Co., Corpus Christi, Tex.
Corr, Peter H., cotton waste, Taunton, Mass.
Corrick Bros., contractors, Owen Bldg., Detroit, Mich.
Corrington, Wm. E., brick, Moweaqua, Ill.

CORRUGATED BAR CO., Buffalo (now Kalman Steel Co., Chicago.)
Corrugated Culvert Co., Moberly, Mo.
Corrugated Paper Co., Inc., Lynchburg, Va.
Corrugated Paper Mills, 184 Summer, Boston, Mass.
Corrugated Paper Products, Inc., Atlanta, Ga.
Corrugated Paper Products Co., 221 W. 26th, New York.
Corry Art Stone Co., cement bldg. tile, Corry, Pa.
Corry Bed Spring Co., Corry, Pa.
Corry Brick & Tile Co., Corry, Pa.
Corry Fibre Furn. Co., Dept. H, Corry, Pa.
Corry-Jamestown Mfg. Corp., Corry, Pa.
Corry Pail Co., Corry, Pa.
Corry Steam Boiler Wks., Corry, Pa.
Corry Wrench Co., Corry, Pa.
Corse, Montgomery, lumber, E. Monroe, Jacksonville, Fla.
Corsicana Brick & Lumber Co., Corsicana, Tex.
Corsicana Cotton Mills, Corsicana, Tex.
Corsicana Grader & Machine Co., Corsicana, Tex.
Corskie, J. P., & Son, granite, Barre, Vt.
Corson, G. & W. H., Plymouth Meeting, Pa.
Corson, Geo. W., & Sons, contractors, 210 E. 89th, New York.
Corthaus, A. C., Spec. Co., advtg. spec., 81 Michigan, Milwaukee, Wis.
Corticelli Silk Co., Florence, Mass.
Cortland Cabinet Co., furniture, Dept. H, Cortland, N. Y.
Cortland Cart & Carriage Co., Sidney, N. Y.
Cortland Foundry & Machine Co., Cortland, N. Y.
Cortland Grinding Wheel Corp., Chester, Mass.
Cortland Line Co., Inc., fish lines, Cortland, N. Y.
Cortland Overall Co., Cortland, N. Y.
Cortland Specialty Co., lubricating oils, Cortland, N. Y.
Cortland Steel Tube Co., Dept. H, Cortland, Ohio.
Cortland Welding Compound Co., Cortland, N. Y.
Cortright Coal Co., Philadelphia, Pa.
Cortright Metal Roofing Co., 50 N. 23d, Philadelphia, Pa.
Corvallis Lbr. Mfg. Co., Corvallis, Ore.
Corwin & Vail Lumber Co., Riverhead, N. Y.
Corwin Mfg. Co., H. R., 49 Bloomfield Ave., Newark, N. J.
Cory & Son, Inc., Charles, 183 Varick St., New York.
Cory, Herbert H., see Marine Stores Corpn. (successor)
Cory Mfg. Co., overalls, Fostoria, Ohio.
Cory-Patterson Mfg. Co., life-saving nets, Greenfield, O.
Cory Shingle Co., Sedro Wooley, Wash.
Corydon Lumber Co., Corydon, Iowa.
Corydon Milling Co., flour, Corydon, Ky.
Coryville Chemical Co., Bradford, Pa.
Cosby, Clarence, scrap iron & steel, Richmond, Va.
Cosby, Overton M., sash, door & blind, Washington, Ind.
Cosden & Co., petroleum & its products, 12th Floor, Corden Bldg., Tulsa, Okla.
Cosgrove & Wynkoop Ltd., 49 Broadway, New York.
Coshocton Art Leather Co., Coshocton, Ohio.
Coshocton Brick Co., Coshocton, O.
Coshocton Glass Co., bottles, Coshocton, Ohio.
Coshocton Iron Co., machsts. & fndrs., Monongahela, Pa.
Cosnocton Specialty Co., advertising, Coshocton, Ohio.
Coshocton Straw Paper Co., Coshocton, Ohio.
Cosmopolitan Iron Works, Inc., 252-40th St., Brooklyn, N. Y.
Costello, J. S., & Son, Brush Co., brushes, 1108 Pine, St. Louis, Mo.
Costen, Moore & Co., brick common, McKenzie, Tenn.
Costmeter Co., see Postindex Co. (successors)
Coston, Edward C., Skidmore, Mo.
Coston Signal Co., 57 Front St., New York.
Coston, W. L., contr., 1824 3d Ave., Bessemer, Ala.
Cote Brothers Mfg. Corp., 549 Fulton St., Chicago.
Cote Piano Mfg. Co., 152 North Main, Fall River, Mass.
Cotex Co., The, 366 5th Ave., New York.
Coto-Coil Co., 1655 Elmwood Ave., Providence, R. I.
Coto Co., Carl, 1655 Elmwood Ave., Providence, R. I.
Cott-A-Lap Co., Somerville, N. J.
Cotta-Gear Co., motor truck transmission, 117-29 Morgan av., Rockford, Ill.
Cotta Transmission Co., Rockford, Ill.
Cottage Building Co., sash, door & blind mfrs., 516 S. Governor, Evansville, Ind.
Cottage Grove Flouring Mill, Cottage Grove, Ore.
Cottage Grove Mfg. Co., planing mill, Cottage Grove, Ore.
Cottage Planing Mill Co., Everett, Pa.
Cottageville Milling Co., flour, Cottageville, W. Va.
Cotten Bros. Cypress Co., Ltd., Morgan City, La.
Cotter, E. J., stone producers, Hancock, N. Y.
Cotter, Jere., & Son, contractors, West Newton, Mass.

COTTER SUPPLY CO., G. F., Houston, Tex.

Cotter Transfer & Storage Co., Mansfield, Ohio.
Cottier, Chas., & Son, Inc., gold leaf, 542 5th Ave., New York.
Cottingham, L. K., & Co., tackle blocks, 119 N. Delaware av., Phila., Pa.
Cotto Waxo Co., sweeping compounds, 1308 N. Main, St. Louis, Mo.
Cotton & Co., Inc., landscape archt., Call Bldg., San Francisco, Cal.
Cotton Belt Lumber Co., Bearden, Ark.
Cotton Belt Lumber Co., Poplar Bluff, Mo.
Cotton, Lemuel & Son, wood handles, Hiram, Me.
Cotton Oil Co., meal, Bamberg, S. C.
Cotton Oil & Ginning Co., Scotland Neck, N. C.
Cotton Publishing Co., Grant Bl., Atlanta Ga.
Cotton State Lumber Co., Meehan Junction, Miss.
Cotton States Belting & Sup. Co., Atlanta, Ga.
Cotton States Belting & Supply Co., Atlanta, Ga.
Cotton States Fertilizer Co., Macon, Ga.
Cotton (W. R. C. Smith Pub. Co.), trade publication, 1017 Grant Bldg., Atlanta, Ga.
Cotton, Wm. E., & Co., cornices, 1600 Hartford av. Baltimore, Md.
Cottonwood Milling & Elevator Co., flour, Cottonwood, Idaho.
Cottrell, C. B., & Sons Co., machsts. & fndrs., bag printing machy., Westerly, R. I.
Cottrell Saddlery Co., Richmond, Va.
Couch & Heyle, mill & fcty. supplies, Peoria, Ill.
Couch, A. M., cornices, 320 Neal, Dayton, Ohio.
Couch Automatic Telephone Co., 150 Nassau, New York.
Couch Bros. Mfg. Co., sweat pads, Atlanta, Ga.

COUCH COMPANY, INC., S. H., Arlington & Squantum sts., Norfolk Downs, Mass.
Pres.—Samuel H. Couch.
V. P.—William Couch.
Distributors and Representatives:
CALIF.—Los Angeles—Sierra Electric Co., Inc.
San Francisco—Sierra Electric Co., Inc., 515 Market St., Douglas 94.
COLO.—Denver—Hendrie & Bolthoff Mfg. & Supply Co.
Mine & Smelter Supply Co.
CONN.—Waterbury—New England Engineering Co.
D. C.—Washington—Carroll Electric Co.
National Electric Supply Co.
FLA.—Tampa—Pierce Electric Co.
ILL.—Chicago—S. H. Couch Company, 837 W. Madison St., Franklin 2238.
IA.—Des Moines—Collins Electric Co.
LA.—New Orleans—Electric Appliance Co.
ME.—Portland—Eastern Electric Supply Co.
MD.—Baltimore—Baltimore Electric Supply Co., 307 N. Calvert St., Plaza 5870.
MASS.—Boston—Joseph E. Greene, Inc., Federal St., Main 7990.
Lewis Electrical Supply Co., Federal St., Main 7430.
Milhender Electric Supply Co., 617 Atlantic Ave.
Perkins-Carpenter Elec. Sup. Co., 88 High St.
Pettingell-Andrews Co., 156 Pearl St., Congress 4200.
R. V. Pettingell Electric Supply Co., 51 High St., Congress 0330.
Sager Electrical Supply Co., 201 Congress St., Congress 3140.
United Electric Supply Co., 579 Atlantic Ave., Congress 6187.
Vye-Smith Company, Inc., 199 Purchase St.
George H. Wahn Company, 69 High St., Congress 0430.
Wetmore-Savage Company, 76 Pearl St., Congress 1900.
Springfield—Wetmore-Savage Company.
Worcester—Coghlin Electric Company.
E. W. Ham Electric Co.
Merrill Electric Supply Co.
MICH.—Detroit—Cadillac Metal Products Co., 1444 Park Place East, Cherry 3735.
MO.—St. Louis—George H. Steinhans, 917 S. Pine St.
MONT.—Butte—Montana Electric Co.
N. J.—Newark—Trenton Electric Supply Co., 207 E. State St.
Tri City Electric Co.
N. Y.—Buffalo—Robertson-Cataract Company, 126 S. Elmwood Ave., Seneca 5100.
New York—Eco Clock Company, 428 Broadway, Rector 5678.
Rochester—Rochester Electric Supply Co., 100 St. Paul St.
Syracuse—H. J. Gorke.
O.—Cleveland—Griffith & Graze.
Columbus—Erner & Hopkins Co.
Toledo—F. Bissell Co.
OKLA.—Muskogee—Peabody Electric Co.
ORE.—Portland—Fobes Supply Co.
PA.—Philadelphia—Adelphia Electric Co., 239 South Fifth St., Locust 1103.
John R. Hollingsworth, 1723 Sansom St., Wyoming 1530-M.
Pittsburgh—Iron City Electric Co., 436 7th St., Grant 1489.
J. A. Jacques, 305 Seventh St., Grant 3315.
Scranton—Electric Supply & Equipment Co., 114 Cliff St.
York—Geo. F. Motter's Sons.
R. I.—Providence—Union Electric Supply Co., 60 Pine St.
TEX.—Dallas—Electric Appliance Co.
Southwest General Electric Co.
Houston—Barden Electric & Machinery Co.
UTAH—Salt Lake City—Inter-Mountain Electric Co.
Mine & Smelter Supply Co.
VA.—Norfolk—W. M. Reay & Co.
Richmond—Tower-Binford Elec. & Mfg. Co.
WASH.—Seattle—Sierra Electric Co.
W. VA.—Huntington—Banks Supply Co.
WIS.—Milwaukee—Julius Andrae & Sons Co.
Foreign:
CANADA—Winnipeg, Man.—Great West Electric Co.
Toronto, Ont.—A. R. Wooldridge Co.
Montreal, Que.—G. L. MacGillivray & Co.
Quebec, Que.—Mechanics Supply Co.

Couch Glue Co., B. T., 2143 Blue Island Ave., Chicago.
Couch Mfg. Co., elec. lighting machy., Grant, Fla.
Couch Mills Co., cotton duck, Atlanta, Ga.
Coudersport-Mangle Roller Mfg. Co., Coudersport, Pa.
Coughenour, E. C., tubular boilers, ft. 13th Huntington, W. Va.
Coughlan, T. R., Co., lime mfrs., stone producers, Mankato, Minn.
Coulbourne & Parsons, canned goods, Marion Station, Md.
Coulson Company, Madison Blvd., Memphis, Tenn.
Coulson, J. W., & Bro., contractors, Hanover, Pa.
Coulson, J. W., & Co., ventilating systems, 95 W. Spring, Columbus, Ohio.
Coulston, Brundage & Co., rural mail boxes, La Harpe, Ill.
Coulston, J. W., & Co., color mfrs. & imptrs., 95 Madison ave., New York.
Coulter & McKenzie Mach. Co., 771 Water st., Bridgeport, Conn.

COULTER-CURTIS SCREW CO., INC., 1150 Niagara St., Buffalo, N. Y.
Pres. & Treas.—J. Anderson Coulter.
V. P. & Mgr.—Scott Osgood.
Sec. & Sales Mgr.—Geo. Duncan.

Coulter, D. R., Lbr. Co., Avinger, Texas.
Coulter Mfg. Co., shoe lasts, 325 Arch, Phila., Pa.
Coulter Mfg. Co., twist drill & auto accessories, 259 Austin ave., Buffalo, N. Y.
Coulter's Rattan Works, furniture, 1141 Sutter, San Francisco, Cal.
Council Bluffs Concrete Co., contr., Council Bluffs, Iowa.
Council Tool Co., Wanamish, N. C.
Counts, J. C., & Sons, grain cradles, Prosperity, S. C.
Coupe, Wm., Corp., apron, leather, 356 Franklin, Worcester, Mass.
Coupeville Lbr. Co., Coupeville, Wash.
Couple Gear Electric Truck Co., Grand Rapids, Mich.
Courbat, Geo. A., sash, door & blind mfrs., Mallory, New York.
Courier Automobile Co., Sandusky, Ohio.
Courtade, Jos. N., & Sons, piano cases, 516 W. 24th, New York.
Courtenay Mfg. Co., cotton sheetings, Newry, S. C.
Courtman, Walter F., archl. iron, West Hoboken, New Jersey.
Courtney Fire Brick Co., Monongahela, Pa.
Courtney, D. S., Co., tex. machy., supplies (bobbins), Chicopee, Mass.
Courtney, W. J., canned goods, Mundy Point, Va.
Courval & Co., lumber mfrs., Essexville, Mich.
Couse & Bolten, 44 Lafayette St., Newark, N. J.
Cousens & Pratt, yacht sails, Neponset, Boston, Mass.
Cousins, H. A., Co., artificial marble, 524 W. 25th, New York.
Cousins, J. D., & Son, Boiler Wks., 326 Hopkins, Buffalo, N. Y.
Coutant, A. K., sash, door & blind mfrs., Kingston, New York.

C

Covel & Osborn Co., 151-3 Pleasant St., Fall River, Mass.
Covel Machine Co., 336 Osborn, Fall River, Mass.
Covel Mfg. Co., Benton Harbor, Mich.
Covell, Lyman T., lumber, Whitehall, Mich.
Covell, W., International Leather Belting Co., 412 So. 45th, Phila., Pa.
Cover, H. S. (Respirators), 1804 S. Main St., South Bend, Ind.
Cover, Peter J., & Son, wholesale hardware, Meyersdale, Pa.

COVERT CO., THE, H. W., 137 E. 46th st., New York.
Covert Gear Co., Inc., The, Lockport, N. Y.
Covert Mfg. Co., Troy, N. Y.
Covert Motor Vehicle Co., auto axles, Lockport, N. Y.
Covert Saddlery Wks., Interlaken, N. Y.
Covey Automobile Mach. Works, box presses, 8th, near Orange, Riverside, Cal.

COVEY-DURHAM COMPANY, 431 S. Dearborn St., Chicago.
Covington Arch'l Iron Works, Covington, Ky.
Covington Brick Co., Covington, Va.
Covington Machine Co., Inc., Covington, Va.
Covington Milling Co., flour, Covington, Tenn.
Covington Mills, shade cloth, Covington, Ga.
Covington Multiple Drill Co., 2449-53 W. McMicken Ave., Cincinnati, O.
Covington, W. H., Co., turpentine, Belle Isle, Fla.
Covington Woolen Mills, Covington, Ohio.
Cowan & Co., Inc., Andrew, 421 W. Main St., Louisville, Ky.
Cowan, Edw., cornices, 411 Woodbridge, Detroit, Mich.
Cowan, H. V., sashes., 1336 E. 15th, Los Angeles, Cal.
Cowan Mfg. Co., closet seats, Fulton Bldg., Pittsburgh, Pa.

COWAN TRUCK CO., Dept. G., Holyoke, Mass.
New York—Grand Central Palace.
Sales Offices: In Principal Cities of the United States and Canada.
Representatives:
CALIF.—Los Angeles—John F. Willard, 306 E. 4th St., Pico 527.
San Francisco—Mailler Searles, Inc., 135 Fremont St., Douglas 4289.
COLO.—Denver—Hendrey & Bolthoff Mfg. & Sup. Co., 1621 15th St.
CONN.—New Haven—H. R. Audet, 631 Elm St.
ILL.—Chicago—T. S. MacEwan, 618 W. Lake St., Monroe 5603.
IA.—Des Moines—E. E. Johnson, 401 Insurance Exchange Bldg.
ME.—Portland—Dyer-Marston, Inc., Masonic Bldg.
MD.—Baltimore—F. A. Klopp, 1401 Lexington Bldg.
MASS.—Boston—Wm. E. Judge, c/o Associated Industries of Mass., 950 Park Square Bldg., Back Bay 8420.
MICH.—Detroit—Palmer & Shile, 687 Ledyard St., Glendale 8240.
MINN.—St. Paul—O'Brien & Bushnell, Pioneer Bldg.
MO.—Kansas City—Edward S. King, 306 Elmhurst Bldg.
NEB.—Omaha—American Machy. & Sup. Co., 1113 Howard St.
N. Y.—New York—Allied Machy. Co., 90 Wall St., Worth 9500.
C. J. Powell, 17 E. 42nd St., Murray Hill 9052.
Syracuse—J. A. Bryan, Jr., 130 Forest Hill Drive.
OHIO—Cleveland—P. H. Twing, 316 Plymouth Bldg.
PA.—Philadelphia—Foster Mfg. & Sup. Co., 20th & Venango Sts., Tioga 6290.
Pittsburgh—Starr Equip. Co., Arrott Bldg., Court 1290.
UTAH—Salt Lake City—Platt Bros. Co., 707 McIntyre Bldg.
WASH.—Seattle—W. R. Hendrey Co., 313 A Hodge Bldg.
WIS.—Milwaukee—F. B. Hopkins, 400 University Bldg.
CANADA—Kitchener—J. S. Klaehn, Industrial Engr,. 59 Irvin St.

Cowanshannock Coal & Coke Co., bituminous, Punxsutawney, Pa.
Cowden Brick & Tile Co., Lancaster, Ohio.
Coweeman Driving & Rafting Co., lumber, Kelso, Wash.
Cowell, Arthur W., landscape architect, State College, Pa.
Cowell Cooperage Co., 120 B'way, New York.
Cowell, Levi, contractor, Marietta, Ohio.
Cowell Lime & Cement Co., Henry, 2 Market St., San Francisco, Calif.
Cowell Portland Cement Co., 2 Market St., San Francisco, Calif.
Coweta Cotton Oil Mill, Newnan, Ga.
Coweta Fertilizer Co., Atlanta, Ga.
Coweta Fertilizer Co., Newnan, Ga.
Cowger, W. A., & Co., contrs., Mount Vernon, Ill.
Cowgill & Hill Milling Co., flour, Carthage, Mo.
Cowgill, H. E., machy. mining dealers, 54H 1st, Portland, Ore.
Cowie, E. S., Electric Co., 1818 McGee, Kansas City, Mo.
Cowles & Co., Inc., C., Water and Chestnut St., New Haven, Conn.
Cowles Detergent Co., The, Lockport, N. Y.
Cowles-Horan Whip Co., Westfield, Mass.
Cowles Shipyards Co., tow or tug boats, 31 St. Clair, Buffalo, N. Y.
Cowles Tool Co., 2086 W. 110th St., Cleveland, O.
Cowlitz Shingle Co., Castlerock, Wash.
Cowman Show Case & Fixture Co., 327 N. San Pedro, Los Angeles, Cal.
Cowmatic Corp., barn equip., silos, etc., Lynchburg, Va.
Cownie Tanning Co., Des Moines, Iowa.
Cowpens Mfg. Co., cotton sheetings, Cowpens, S. C.

COWPER CO. INC., THE JOHN W., 284 Main St., Buffalo, N. Y.
Pres.—John W. Cowper.
V. P.—S. K. Pierce.
Treas.—H. C. Shirley.
New York—165 Broadway.

Cox & Gordon, meat packers, 1019 S. 3d. St. Louis, Mo.
Cox & Sons Co. (Iron Fdy.), Water and Hampton Sts., Bridgeton, N. J.
Cox & Sons Machy. Co., Thos., Little Rock, Ark.
Cox, A. F., & Son, shoe polishers, 154 Middle, Portland, Me.
Cox, A. G., buckwheat flour, Osseo, Wis.
Cox, A. H., & Co., machy. dealers, 307 1st, Seattle, Wash.
Cox, A. J., flour mills, Cleveland, Tenn.
Cox, B. E., Leather Co., Peabody, Mass.
Cox Brass Mfg. Co., Albany, N. Y. (now Eaton Axle & Spring Co.),
Cox Bros., contractors, 5th ave. & Lincoln way, San Francisco, Cal.
Cox Bros. Mfg. Co., auto bumpers, shock absorbers & oxyacetylene welding app., Van Woert & N. Pearl, Albany, N. Y.
Cox Bros. Co., wholesale hardware, West Union, W. Va.
Cox, C. A., cornices & skylights, Savannah, Ga.
Cox Electrical Eng'g & Supply Co, Mobile, Ala.
Cox, Elmer E., hdwe. whol., 8th & Pine, Camden, N. J.
Cox, G. W., stone producers, Osgood, Ind.
Cox, Geo. S., & Bro., hair cloth mfrs., Cambria & Ornes, Philadelphia, Pa.
Cox, Irving, 25 Broadway, New York.
Cox, I. G., & Bro., machsts., Paulsboro, N. J.
Cox, J. Elwood, textile mach. supplies, Highpoint, N. C.
Cox, J. Fillmore, Engng. & Tube Bending Mach. Wks., Bayonne, N. J.
Cox, Jas. T., mill & facty. supplies, Paterson, N. J.
Cox Lightning Arrester, Eaton, Ohio.
Cox Lime & Stone Co., Plymouth Meeting, Pa.
Cox, Omer, mfrs.' agents, hdwe, 6044 Mission, San Francisco, Cal.
Cox, P. T., Contracting Co., Inc., 154 Nassau, New York.
Cox, R. E., brick cutters, East Liverpool, Ohio.
Cox, S. S., Show Case Co., North Manchester, Ind.
Cox Stove Co., Abram, American and Dauphin Sts., Philadelphia, Pa.
Cox, W. H., flour mills, Dover, Tenn.
Cox, W. S., wholesale hardware, Silver City, N. M.
Coxe-Bennett Lbr. Co., Wadesboro, N. C.
Coxe Travelling Grate Co., 43 Broad, New York.
Coxhead, Ralph C., Woolworth Bldg., New York.
Coxheath Lbr. Co., Coxheath, Ala.
Coxsackie Wheel & Mfg. Co., Coxsackie, N. Y.
Coy, A. G., Hdwe. & Implement Co., Anaconda, Montana.
Coy, Hunt & Company, 392 Lafayette St., New York.
Coy Mfg. Works, mail boxes, 3101 S. Canal, Chicago, Ill.
Coy Paper Co., West Claremont, N. H.
Coye, Inc., Charles A., 168 Lewis St., N. W., Grand Rapids, Mich.
Coyle & Co., E. J., 12 N. Union Ave., Chicago.
Coyle & Grant Co., 285 5th Ave., New York.
Coyle, Bartley, & Son, common brick, Easthampton, Mass.
Coyle Bros., contractors, Galveston, Texas.
Coyle, H. B., Iron Works, 622 Filbert, Philadelphia, Pa.
Coyne & Delany Co., 823 Kent Ave., Brooklyn, N. Y.
Coyne Bros., broom corn, 119H W. South Water, Chicago, Ill.
Coyne Bros. Varnish Co., N. 2d & Pike, Philadelphia, Pa.
Crabb & Co., Wm., 3d Ave., Newark, N. J.
Crabtree & Havey, granite, North Sullivan, Me.
Crabtree Feldspar Corp., Johnson City, Tenn.
Crabtree Lumber Co., Tuscaloosa, Ala.
Craemer Nail & Supply Co., 2 Rector St., New York.
Craft Bros., canned goods, Springwood, Va.
Crafton Lumber & Supply Co., Crafton, Pa.
Crafts & Co., Arthur A., 125 Summer, Boston, Mass.
Crafts, Inc., 52 Vanderbilt Ave., New York.
Craftsman Tool Co., Conneaut, O.
Crager Wire & Iron Works, 531 S. State St., Salt Lake City, Utah.
Cragg Mfg. Co., H. C., 228 K. St., S. W., Washington, D. C.
Cragin, Calhoun, gut strings, 71 Murray, New York.
Cragin & Co., mill supplies, 932 1st ave., So. Seattle, Wash.
Craig & Brown, cornices, 421 20th, Brooklyn, N. Y.
Craig & Harris, stone producers, Galesburg, Ill.
Craig & Huff Co., lbr., 215 S. Broad, Phila., Pa.
Craig & Schoffner Hardware Co., Nashville, Tenn.
Craig Bros., boilers, heating contractors, Fargo, N. D.
Craig Damper Regulator Co., The, 701 Book Bldg., Detroit, Mich.
Craig, David, cleanouts, faucets, 70 Broad, Boston, Mass.
Craig Engine & Mach. Wks., James, Jersey City, N. J.
Craig, Forbes & Co., granite, Quincy, Mass.
Craig Foundry Co., 42 Sanford St., Brooklyn, N. Y.
Craig, G. C., lead pipe couplings & pruning shears, Rumney Depot, N. H.
Craig, Jas., engines, Garfield ave., Jersey City, N. J.
Craig, Jno. J., Co., marble prod., Vestal, Knoxville, Tenn.
Craig, John M., 69-71 Arch st., Hartford, Conn.
Craig Mills, flour, New Castle, Va.
Craig Mountain Lumber Co., Winchester, Idaho.
Craig Oil Co., Gardner Bldg., Toledo, O.
Craig Plastering Co., 816 Olive, St. Louis, Mo.
Craig Shipbuilding Co., ft. Water St., Long Beach, Cal. (Successor to California Shipbuilding Co.)
Craig, Wm., Canning Co., Odgen, Utah.
Craigsville Woolen Mfg. Co., woolen blankets, Craigsville, Pa.
Crain French Lbr. Co., Metropolis, Ill.
Crain Pump & Lbr. Co., 623 Arch, Philadelphia, Pa.

CRAINE SILO CO., INC., silos, tanks, etc., 27 Sheldon st., Norwich, N. Y.

Cram Co., Geo. E., maps, 111 N. Market st., Chicago.

CRAMER & COMPANY, INC., R. W., 136 Liberty St., New York.
Pres. & Treas.—R. W. Cramer.
V. P.—A. M. Distell.
Sec.—J. J. Gardner.

Cramer & Johnson, contrs., Oxford, O.
Cramer & Willing, mill & factory supplies, 53 W. Jackson blvd., Chicago, Ill.
Cramer Bros., cornices & skylights, Grant's Pass, Ore.
Cramer Dry Plate Co., G., 1821 Shenandoah, St. Louis, Mo.
Cramer-Forge Co., 28 Aqueduct St., Rochester, N. Y.
Cramer, Geo., cornices & skylights, Niles, Ohio.
Cramer Hdwe. Co., Inc., mill & facty. supplies, N. Tonawanda, N. Y.
Cramer-Kay Machy. Co., dealers, Newhouse Bldg., Salt Lake City, Utah.
Cramer Mfg. Co., circulating water pumps, 387 10th, Milwaukee, Wis.
Cramer, Stuart W., Charlotte, N. C.
Cramer, W. F., canned goods, Gasport, N. Y.
Cramp & Co., contractors, Denckla Bldg., Philadelphia, Pa.
Cramp & Sons Ship & Engine Building Co., The Wm., Richmond & Norris Sts., Philadelphia, Pa.
Cramp Mfg. Co., (Tools), 900 W. Van Buren St., Chicago.
Crampton & Son, boilers, Covington, Ohio.
Crampton-Farley Brass Co., Kansas City, Mo.
Crampton, I. E., & Son Canning Co., Celina, Ohio.
Crampton Lumber Co., Montgomery, Ala.
Cranberry Creek Coal Co., anthracite, 437 Chestnut, Philadelphia, Pa.
Cranberry Furnace Co., Johnson City, Tenn.
Crancer Hardware Co., Leavenworth, Kans.
Cranch Hill Granite Wks., Quincy, Mass.
Crandall Bros., contrs., Williamsport, Pa.
Crandall Bros., faucets (wood), N. Kingsville, Ohio.
Crandall, Bruce V., 605 N. Michigan Blvd., Chicago.

CRANDALL CAN FILLER MACHINE CO., 1390 Niagara st., Buffalo, N. Y.

Crandall Carriage Co., 593 3d ave., New York.
Crandall, Frank A., 2132-34 Indiana Ave., Chicago. (Painters Supplies.)
Crandall, G. H., Co., sash, door & blind mfrs., Cohoes, N. Y.
Crandall Machine Works, 1359 S. Main, Los Angeles, Cal.
Crandall Oil & Putty Mfg. Co., E. V., 1105 Metropolitan, Brooklyn, N. Y.
Crandall Packing Co., Palmyra, N. Y.
Crandall Panel Co., Brockton, N. Y.
Crandall-Pettee Co., oven bldrs., 144 Franklin, New York.
Crandall, Stone Division, The Brewer-Titchener Corp., carriage & automobile hardware, Binghamton, N. Y.
Crandall, W. W., flour mills, Brownsville, Tenn.
Crandley Rubber & Supp. Co., mill & facty. supps., San Francisco, Cal.
Crane & Breed Mfg. Co., 1227 W. 8th St., Cincinnati, O.
Crane & Co., Dalton, Mass.
Crane & Co., Topeka, Kans.
Crane & Co., C., 1739 Eastern Ave., (Lumber) Cincinnati, O.
Crane & Co., L. M., 91 Oliver St., Boston, Mass.
Crane & MacMahon, 10 Bridge St., New York.
Crane & MacMahon, Inc., carriage & wagon wheels, shafts, etc., St. Marys, Ohio.
Crane & Milligan, 54 Mechanic St., Newark, N. J.
Crane Bros., cornices & skylights, Machias, Me.
Crane Bros., silk thread, Kingston, Pa.
Crane Brothers, Westfield, Mass.
Crane, C. H., contr., Rockridge, Ill.

CRANE COMPANY, 836 S. Michigan Ave., Chicago.
Pres.—R. T. Crane, Jr.
1st V. P.—J. B. Berryman.
V. P.—A. D. MacGill, C. A. G. Wayman, E. H. Raymond, W. J. Clark.
Treas.—P. T. Kelly.
Sec.—H. P. Bishop.
Manufacturing Plants—Chicago, Bridgeport, Birmingham, Chattanooga, Trenton.
Cable Address—Cranecoy-Chicago.
Branch Houses:
Aberdeen, S. D.—324 Railroad Ave., S. E., R. A. Hodgson, Mgr.
Albany, N. Y.—N. Broadway, E. T. Rowe, Mgr.
Atlanta, Ga.—1 Collins St., E. H. Thompson, Mgr.
Baltimore, Md.—626 W. Pratt St., H. W. Seymour, Mgr.
Billings, Mont.—30th St. and First Ave. So., G H. Downs, Mgr.
Birmingham, Ala.—2 South 20th St., J. G. Johns, Mgr.
Boston, Mass.—48 W. First St., So. Boston, J. E. Slattery, Mgr.
Bridgeport, Conn.—302 John St., H. Hounsiea, Mgr. City Store.
Brooklyn, N. Y.—249 Willoughby St., T. H. Dawson, Jr., Mgr.
Buffalo, N. Y.—201 Church St., F. W. Zander, Mgr.
Camden, N. J.—134 Federal St., Robt. Hughes, Jr., Mgr.
Cedar Rapids, Ia.—321 S. 1st St., East, B. O. Wetzel, Mgr.
Chattanooga, Tenn.—14th & Chestnut Sts., J. H West, Mgr.
Chicago—156 N. Jefferson St. (City Sales Dept.), C. E. Barrows, Mgr.; G. B. Sawyer, Office Mgr.
Cincinnati, O.—824 Broadway, George J. Jones, Mgr.
Davenport, Ia.—217 E. Second St., S. A. McCool, Mgr.
Des Moines, Ia.—1440 Walnut St., C. W. Owens, Mgr.
Detroit, Mich.—150 Randolph St., J. A. Roe, Mgr.
Duluth, Minn.—8 E. Michigan St., P. R. Mork, Mgr.
East Chicago, Ind.—1004 Chicago Ave., J. C. Latimer, Mgr.
Fargo, N. D.—636 Northern Pacific Ave., J. E. Daly, Mgr.
Fort Smith, Ark.—521 S. Ninth St., Lee Herrick, Mgr.
Grand Rapids, Mich.—56 Ellsworth Ave., R. J. Douglass, Mgr.
Great Falls, Mont.—Great Northern Ry. Yards, C. S. O'Brien, Mgr.
Hartford, Conn.—115 Front St., F. W. Dance, Mgr
Hibbing, Minn.—1716 Fifth Ave., F. W. Miller, Mgr.
Indianapolis, Ind.—333 W. Market St., R. A. MacGill, Mgr.
Jacksonville, Fla.—738 W. Bay St., P. Z. Huddleston, Mgr.
Jersey City, N. J.—Fremont St., H. V. Heller, Mgr.
Kansas City, Mo.—1328 W. 12th St., E. H. Graham, Mgr.
Knoxville, Tenn.—521 W. Jackson Ave., J. T. Greene, Mgr.
Lexington, Ky.—544 W. Main St., A. G. Morris, Mgr.
Lima, O.—207 S. Central Ave., W. F. Henderson, Mgr.
Little Rock, Ark.—515 E. 2d St., H. G. Craig, Mgr.
Long Beach Cal.—764 W. Anaheim St., K. F. Eller, Mgr.
Los Angeles, Cal.—321 E. 3rd St., L. B. Peoples, Mgr.
Mankato, Minn.—510 S. Pike St., J. C. Covington, Mgr.
Memphis, Tenn.—254 Court Ave., F. A. Duncan, Mgr.
Minneapolis, Minn.—400 3rd Ave., North, G. A. Chaffee, Mgr.
Mobile, Ala.—300 N. Royal St., J. R. Perkinson, Mgr.
Muskogee, Okla.—302 Commercial St., F. A. Malatesta, Mgr.
Newark, N. J.—86 Mechanic St., J. F. Murphy, Mgr.
New Orleans, La.—1148 S. Peters St., Wm. Ross, Mgr.

(Continued on following page)

CRANE COMPANY—Continued.

New York—23 W. 44th St., F. L. Bridgman, Mgr., Cable Address, Cranecoy-New York.
New York—2000 Park Ave., J. S. Smart, Mgr. (Harlem Branch).
New York—494 Cherry St., Warehouse & Pipe Shop.
Oakland, Cal.—346 9th St., J. W. Hottes, Mgr.
Ogden, Utah—20th St. & Wall Ave., T. J. Thomas, Mgr.
Oklahoma City, Okla.—221 W. 1st St., F. E. Georgia, Mgr.
Omaha, Neb.—323 S. 10th St., W. T. Cotter, Mgr.
Oshkosh, Wis.—121 Marion St., T. R. Brady, Mgr.
Pasadena, Cal.—321 S. Broadway, H. E. Goss, Mgr.
Philadelphia, Pa.—245 Master St., M. D. Robinson, Mgr.
Phoenix, Ariz.—428 S. 2nd Ave., O. H. Benner, Mgr.
Pittsburgh, Pa.—40 Twenty-fourth St., C. S. Pitkins, Mgr.
Pocatello, Idaho—756 S. 1st Ave., J. W. Young, Mgr.
Portland, Ore.—160 14th St., North, F. A. Nitchy, Mgr.
Providence, R. I.—245 W. Exchange St., E. M. Sharp, Mgr.
Reading, Pa.—212 S. 8th St., Wm. Gibb, Jr., Mgr.
Reno, Nev.—401 Fourth St., R. A. Briggs, Mgr.
Richmond, Va.—1217 W. Broad St., H. I. Schultz, Mgr.
Rochester, N. Y.—200 South Ave., P. L. Sowersby, Mgr.
Rockford, Ill.—636 Race St., E. M. Paul, Mgr.
Sacramento, Cal.—1227 Front St., S. S. Day, Mgr.
Salt Lake City, Utah—307 W. 2nd St., South, L. B. Hampton, Mgr.
San Diego, Cal.—345 Fourth St., G. T. Brooke, Mgr.
San Francisco, Cal.—301 Brannan St., C. W. Weld, Mgr., Cable Address, Cranecoy-San Francisco.
Santa Ana, Cal.—919 Poinsettia St., W. C. Archibald, Mgr.
Savannah, Ga.—423 W. Bay St., H. E. Walters, Mgr.
Seattle, Wash.—419 2nd Ave., S., E. H. Hunt, Mgr.
Sioux City, Ia.—223 Jackson St., H. L. Wood, Mgr.
Spokane, Wash.—126 S. Post St., C. G. Gamble, Mgr.
Springfield, Mass.—62 Hampden St., H. R. Wolcott, Mgr.
St. Louis, Mo.—30 S. 16th St., E. H. Boehnken, Mgr.
St. Paul, Minn.—356 Broadway, L. P. Ordway, V. P. & Treas., J. G. Ordway, Mgr.
Syracuse, N. Y.—209 S. West St., K. R. Ackerman, Mgr.
Tacoma, Wash.—1209 S. A St., S. J. Ball, Mgr.
Terre Haute, Ind.—209 9th St., E. W. Miller, Mgr.
Trenton, N. J.—46 Escher St., F. W. McIntyre, Mgr.
Tucson, Ariz.—65 S. Granada St., J. R. Hanson, Mgr.
Tulsa, Okla.—623 E. 3rd St., N. E. Bieuler, Mgr.
Washington, D. C.—1221 Eye St., N. W., C. P. L. Moran, Mgr.
Watertown, S. D.—141 Dakota Ave., Clyde Avery, Mgr.
Wichita, Kan.—135 N. Water St., C. Phillipp, Mgr.
Winona, Minn.—78 W. 2nd St., A. W. Doerer, Mgr.

Offices:
Aberdeen, Wash.—419 S. F. St., O. W. Marckmann.
Aurora, Ill.—Rm. 35, 10 Downer Pl., H. H. Grubbs.
Binghampton, N. Y.—212 Security Mutual Life Bldg., H. A. Austin.
Charleston, W. Va.—Room 305 Kanawha National Bank Bldg., N. G. Ehle.
Cleveland, O.—305 Leader News Bldg., J. F. Duffy.
Denver, Colo.—402 Boston Bldg., F. W. Knapp.
Erie, Pa.—Erie Builders Exchange, Scott Bldg., C. W. Kopp.
Evansville, Ind.—3 Furniture Exchange Bldg., R. E. Burgett.
Fresno, Cal.—Room 432 Rowell-Chandler Bldg., Earl Colton.
Ft. Wayne, Ind.—212 Central Bldg., John J. Halloran.
Harrisburg, Pa.—207 Commonwealth Trust Bldg., C. E. Wilkinson.
Joplin, Mo.—815 Frisco Bldg., C. A. Baer.
Lincoln, Nebr.—215 S. 13th St., F. W. Ziegler.
Lowell, Mass.—303 Fairbourne Bldg., P. M. Dawd.
Madison, Wis.—408 Gay Bldg., W. J. Pick.
Nashville, Tenn.—Stahlman Bldg., C. A. Williams.
New Haven, Conn.—509 Liberty Bldg., A. S. Domonkos.
New London, Conn.—208 Plant Bldg., G. H. Williams.
Norfolk, Va.—118 Brook Ave., F. E. Conrad.
Portland, Me.—505 Fidelity Bldg., Geo. W. Paul.
St. Joseph, Mo.—208 Corby-Forsee Bldg., J. B. Teachnor.
Saginaw, Mich.—315 Bearinger Bldg., B. L. Duffy.
San Jose, Cal.—257 S. 1st St., F. C. May.
Santa Barbara, Cal.—1335 State St., L. C. Miles.
Shreveport, La.—824 Artis Bldg., A. J. Voight.
South Bend, Ind.—201 J. M. S. Bldg., W. F. Keefe.
Springfield, Ill.—526 E. Capitol Ave., H. B. Strickland.
Stamford, Conn.—308 Atlantic St., E. B. Bartow.
Topeka, Kan.—718 Mills Bldg., F. L. Motch.
Utica, N. Y.—Room 48 Mayro Bldg., T. J. Allen.
Washington, D. C.—1221 Eye St., E. L. Wilson, Government Dept.
Waterbury, Conn.—Room 325 Lilley Bldg., C. E. Allen.
Wilkes-Barre, Pa.—522 Miners Bank Bldg., C. H. Bossard.
Worcester, Mass.— 200 Park Bldg., R. W. Hauck.

Sanitary Goods Assembling Dept.:
Trenton, N. J.—379 N. Clinton Ave., F. W. McIntyre, Mgr.

CRANE COMPANY—Continued.

National Exhibit Rooms:
Atlantic City, N. J.—1105-1107 Boardwalk, J. W. Misener, Mgr.
Chicago—836 S. Michigan Ave., G. W. Verity, Mgr.
New York—23 W. 44th St., K. V. Carmer, Mgr.

Crane Export Corp.:
New York—19-25 W. 44th St.; Cable Address, Cranexpoce-New York.
San Francisco Office—301 Brannan St.; Cable Address, Cranexpoco-San Francisco, J. W. Morton, Mgr.
Paris—No. 36 Ave. de l'Opera; Cable Address, Cranexpoce-Paris (General Office) J. Austin Murphy, V. P.
(Warehouse) 296-298 Rue Lecourbe.
Brussels, Belgium—9 Qual aux Pierras de Taille, Cable Address, Cranexpoco—A. P. Keisker, Mgr.
Mantes, France—3 rue Louis-Blanc, Pierre Le Sève, Mgr.
Crane, Ltd.—Montreal, Que., 386 Beaver Hall Sq., Cable Address, Cranelit-Montreal (General Office and Exhibit Rooms), E. C. Townsend, 2d V. P.
(Works)—1280 St. Patrick Sq.
(City Store)—291 Union Ave.

Branch Houses:
Calgary, Alta.—602 Eleventh Ave., W., R. E. Doherty, Mgr.
Halifax, N. S.—New Roy Bldg., E. F. Olsen, Mgr.
Hamilton, Ont.—40 Wellington St., N., G. O. Rinman, Mgr.
London, Ont.—304 York St., C. E. Cole, Mgr.
Ottawa, Ont.—358 Frank St., C. J. Cote, Mgr.
Toronto, Ont.—306 Front St., G. A. Vowell, Mgr.
Vancouver, B. C.—540 Beatty St., J. E. McIlreevy, Mgr.
Winnipeg, Man.—93 Lombard St., H. M. Agnew, Mgr.
Regina, Sask.—1408 Broad St., F. R. Agnew, Mgr.

Offices: Edmonton, Alta.—519 McLeod Bldg., H. B. Armstrong.
Quebec, Que.—Canadian Bank of Commerce Bldg., Paul Renaud.
Sherbrook, Que.—20 Oliver Bldg., Charles La Prairie.
St. John, N. B.—8 Mill St., J. I. Kerr.
Victoria, B. C.—210 Central Bldg., R. W. Murdock.

Crane-Bennett Ltd.:
London, Eng.—45-51 Leman St., J. E. Bennett, Managing Director, Cable Address, Sprucenness-London.

Offices:
Birmingham, Eng.—Lloyds Bank Chambers, New St., F. C. Taylor.
Bombay, India—Ahmedabad House, Ballard Estate, Wittet Rd., T. S. R. Gillett.
Cardiff, Wales.—Motor House, 1 Wood St., J. M. Dempsey.
Glasgow, Scotland—355a Argyle St., J. S. Mcdonald.
Leeds, Eng.—Oxford Chambers, Victoria Square, N. Burras.
Manchester, Eng.—32 Oxford Rd., W. F. Lloyd.

CRANE COMPANY, W. B., 913 W. 22nd St., Chicago.

Pres.—W. B. Crane.
V. P. & Treas.—O. F. Crane.
Sec.—F. W. Campbell.

Cairo, Ill.
Danville, Ark.
Ellington, Mo.
Little Rock, Ark.
Piedmont, Mo.

Crane Co., Wm. M., 18 E. 41st st., New York.
Crane Enamelware Co., plbrs' sanitary enamel ware, 14th & Cnut, Chattanooga, Tenn.
Crane Est., M. H., 28 N. Desplaines St., Chicago.
Crane Felt Mfg. Co., Belvidere, N. J.
Crane, Floyd H., sash, door & blinds, Passaic, N. J.
Crane, Fred M., & Co., contractors, Omaha, Nebr.
Crane, H. A., & Bro., concrete reinforced construction, 28 Fairmount ave., Jersey City, N. J.
Crane-Hamel Hardware Co., Yazoo City, Miss.
Crane, Harold G., drilling machy., saw benches, etc., 322 Front, Adrian, Mich.
Crane Iron Works, Inc., Catasauqua, Pa.
Crane, James W., oils, grease, etc., 23-27 W. Pier, Hamilton Ferry, Brooklyn, N. Y.
Crane-Kreig Hardware Co., Newark, Ohio.

CRANE LUMBER CO., Piedmont, Mo.

Office & Yard—Piedmont, Mo.
Mills—Ellington, Mo.

Crane Mfg. Co., textile machy. supplies, etc., Lakeport, N. H.
Crane, Marcus S., lbr., Caldwell, N. J.
Crane Oxygen Wks., 2 W. 90th, New York.
Crane Packing Co., 1812 Cuyler Ave., Chicago.
Crane Puller Co., Arlington, Mass.
Crane, W. & D. G., Co., lbr., Burlington, Vt.
Crane, W. F., & Co., high-pressure piping, 149 B'way, New York.
Crane, W. T., Carriage Hdwe. Co., 165 Mulberry, Newark, N. J.
Crane, Z. & W. M., Dalton, Mass.
Crane's Son's Co., Theo. A., Ft. Columbia St., Brooklyn, N. Y.
Cranford Colestone Works, Cranford, N. J.
Cranford Co., contractor, 52 9th, Brooklyn, N. Y.
Cranford Co., 3056 K. St. N. W., Washington, D. C. (Formerly The Cranford Paving Co.)
Cranford Constr. Co., see Simplex Pile Foundation Co. (successors).
Cranska Thread Co., 49 Herman, Worcester, Mass.
Cranston, John A., Lbr. Co., Wilmington, Del.
Cranston, T. H., & Co., (wholesale hdwe.), 136 W. Lake, Chicago, Ill.
Cranston Wire Binding Machine Co., Alder & Union, Portland, Ore.
Cranston Worsted Mills, harness twine, Bristol, R. I.
Crapper, Hedley, contractors, 5839 Ellsworth, Pittsburgh, Pa.
Crary, C. S., Co., canned goods, Streator, Ill.
Crary Machine Works, Benton Harbor, Mich.
Craun Bros., fire extinguishers, fly killers, Butler, Ind.
Craven & Lang, contractors, Hibernia blk., New Orleans, La.
Craven Chemical Co., Newbern, N. C.
Craven Fdry. & Mach. Co., Newbern, N. C.
Craven Lbr. Co., Dallas, Tex.
Craw, Wm. N., Mfg. Co., toys & coffee filters & strainers, South Norwalk, Conn.
Crawford & Cameron, Farmers Bank Bldg., Pittsburgh, Pa.
Crawford & Deal, hdwe. dlrs., 337 Tuscarawas, E., Canton, O.
Crawford & McCrimmon Co., Brazil, Ind.
Crawford & Slaten, contrs., 286 Peters, Atlanta, Ga.
Crawford & Tyler, North Dana, Mass.
Crawford Advertising Co., 119 E. 15th St., Cincinnati, O.
Crawford Automobile Co., Hagerstown, Md.
Crawford Basket Co., Liverpool, N. Y.

CRAWFORD CEDAR CO., N. State St., Menominee, Mich.

Mgr.—James R. Roper.

Crawford Co. (Pipe), 3220 W. 31st St., Chicago.
Crawford, D. F., Co., Ltd., contrs., 603 5th ave., Pittsburgh, Pa.
Crawford, David A., mchsts. fndrs., Emlenton, Pa.
Crawford, J. L., contrs., Springfield, Ohio.
Crawford Lumber Co., sash, door & blind, Jacksonville, Ill.
Crawford, M. B., & Son, mill & facty. supplies, Oswego, N. Y.
Crawford Machine Works, South Weymouth, Mass.
Crawford Mfg. Co., 13 Park Row, New York.
Crawford Mfg. Co., slip covers & auto tops, 2 Decatur, Richmond, Va.
Crawford Mfg. Co., lumber, Menominee, Mich.
Crawford Mfg. Co., machsts., New Brunswick, N. J.
Crawford Mill Supply Co., Winston-Salem, N. C.
Crawford, McGregor & Canby Co., Dayton, O.
Crawford, Samuel, & Sons, lumber, Cedar River, Mich.
Crawford Steel Co., 341 N. Crawford Ave., Chicago.
Crawford Supply Co., steam fitters' supplies, Bucyrus, Ohio.
Crawford Vaughn Boiler & Locomotive Works, Inc., Birmingham, Ala.
Crawford, W. M., & Co., contrs., 70 Western Ave., Minneapolis, Minn.
Crawford, Wm. (Est. of), stone producers, Newburgh, N. Y.
Crawfordsville Casket Co., Crawfordsville, Ind.
Crawfordsville Ginning & Fertilizer Co., Crawfordsville, Ga.
Crawfordsville Hardware Co., Crawfordsville, Ind.
Crawfordsville Shale Bk. Co., Crawfordsville, Ind.
Crawfordsville Wire & Nail Co., Crawfordsville, Ind.
Crawley Book Machy. Co., Newport, Ky.
Crawn Bros., flour mills, North River, Va.
Crawshaw, J. M., machsts. & fndrs., Auburn, Me.
Crawther Hdwe. Co., San Angelo, Tex.
Cray Bros., carriage & wholesale hdwe., 1111 W. 11th, Cleveland, Ohio.
Craycroft, H. B., machsts., Vandalia, Ill. (tr.).
Craycroft-McKnight Brick Co., Matter Bldg., Fresno, Cal.
Craycroft Oil Co., 42 Broadway, New York.
Creaghead Engineering Co., 340 Main, Cincinnati, O.
Cream City Bedding Co., 3200 Fond du Lac ave., Milwaukee, Wis.
Cream City Boiler Co., 37th Ave. and Lapham St., Milwaukee, Wis.
Cream City Casket Co., 490 32d, Milwaukee, Wis.
Cream City Foundry Co., 15th & Oklahoma Ave., Milwaukee, Wis.
Cream City Sand Co., 601 Edison St., Milwaukee, Wis.
Cream City Sash & Door Co., 601 Park St., Milwaukee, Wis.
Cream Cone Mach. Co., 5800 Hough ave., Cleveland, O.
Cream of Wheat Co., 5th & 1st ave. N., Minneapolis, Minn.
Cream Whip Co., 7504 Cedar Ave., Cleveland, O.
Creamer, F. D., & C., masons' & bldrs.' matls., 26 Court, Brooklyn, N. Y.
Creamery Package Mfg. Co., 61 W. Kinzie St., Chicago.
Creamery Package Mfg. Co., 1408 W. 12th, Kansas City, Mo.
Creamo Specialty Co., soap, Fairport, N. Y.
Creasy Rotary Filer Co., gin saw filing machy., etc., Ballinger, Texas.
Cree-Becker Oil Tool Company, The, East Newark, O.
Cree, D. W., camp stoves, Griggsville, Ill.
Cree, J. A., machinist, Utica, Ohio.
Creech & Walker Constr. Co., Aberdeen, Wash.
Creed & Co., W. R., 110 W. 34th St., New York.
Creedon, Michael, contractor, Dobbs Ferry, New York.
Creepeheck Co., Inc., The, Terminal Bldg., Hoboken, N. J.
Crehore, J. S., & Co., leather, Peabody, Mass.
Crehorne, Chas. F., & Son, paper & pulp mills, Newton Lower Falls, Mass.
Creighton & Co., J. A., Thomaston, Me.
Creise & Cook Co., leather, Danvers, Mass.
Creitz, W. A., Co., flour mills, Cambridge City, Ind.
Crellin Machine Co., 123 Llewellyn St., Los Angeles, Cal.
Cremo Milk Co., Valley Ford, Cal.
Cremoline Disinfecting Co., 19 South Main St., St. Louis, Mo.
Creo-Dipt Co., Inc., North Tonawanda, N. Y.
Creolol Co., 522 Farmers Bank Bldg., Pittsburgh, Pa.
Creosoted Materials Co., Inc., 344 Camp St., New Orleans, La.
Creque & Thurston, cornices, Jackson, Mich.
Crerar-Adams & Co., Inc., 3550 S. Morgan St., Chicago.
Crescent Advtg. Co., mirrors, Parsons, Kan.
Crescent Art Metal Co., Bridgeton, N. J.
Crescent Bed Co., Ltd., Inc., New Orleans, La.
Crescent Belt Fastener Co. (Inc.), 247 Park av., New York.
Crescent Blasting Co., Keenan Bldg., Pittsburgh, Pa.
Crescent Bottle Co., McDonald, Pa.
Crescent Brass & Pin Co., 5766 Trumbull Ave., Detroit, Mich.
Crescent Brass Mfg. Co., Reading, Pa.
Crescent Brass Products Co., electric light fixtures, 3410H Lake Ave., Cleveland, Ohio.
Crescent Burner Mfg. Co., 247 Park Ave., New York.
Crescent Charcoal Co., Columbiana, Ala.
Crescent City Machine & Mfg. Wks., New Orleans, La.
Crescent Color & Chemical Wks., 12 W. End Ave., New York.
Crescent Company, The, Meriden, Conn.
Crescent Co., bathing suits, sweaters, etc., 49 E. 21st, New York.
Crescent Cotton Oil Co., 2105 Central, Memphis, Tenn.
Crescent Electric Co., 220 Jefferson Ave., Detroit, Mich.
Crescent Electric Co., Inc., Box 178, Mountain Grove, Mo.
Crescent Electric Co., contrs., 511 W. Jackson blvd., Chicago, Ill.
Crescent Electric Supply Co., Dubuque, Ia.
Crescent Feather Co., Kansas & Alameda, San Francisco, Calif.
Crescent Fire Arms Co., Norwich, Conn.
Crescent Flexible Armour Co., rubber hose, Trenton, N. J.
Crescent Flour Mills, 29th Ave. & Jason, Denver, Colo.

C

Crescent Forge & Shovel Co., Havana, Ill.
Crescent Foundry Co., 110 Browns Race, Rochester, N. Y.
Crescent Furn. Co., Dept. H., 701 1st Ave., Evansville, Ind.
Crescent Glass Co., lantern globes & tumblers, Wellsburg, W. Va.
Crescent Hardware Co., Albuquerque, N. M.
Crescent Insulated Wire & Cable Co., Olden & Taylor Sts., Trenton, N. J.
Crescent Iron Works, Coalings, Cal.
Crescent Leather Goods Co., 40 W. 20th, New York.
Crescent Linseed Oil Wks., lubrg. oils, 927 Blackhawk, Chicago, Ill.
Crescent Lumber Co., Meridian, Miss.

CRESCENT MACHINE CO., 512 Oak, Leetonia, O.

Crescent Machine Shop & Supply Co., Tampico, Mex.
Crescent Mach. Wks., South Bend, Ind.
Crescent Machine Works, N. 815 Monroe, Spokane, Wash.
Crescent Mfg. Co., 129 Reade St., New York.
Crescent Mfg. Co., 2218 Vine St., Philadelphia, Pa.
Crescent Mfg. Co., carving & kitchen knives, etc., Fremont, O.
Crescent Manufacturing & Building Co., 1318 Belmont, Portland, Ore.
Crescent Milling Co., corn meal & flour, Cynthiana, Ky.
Crescent Milling Co., flour, Fairfax, Minn.
Crescent Oil & Supply Co., 303 N. Levee, St. Louis, Mo.
Crescent Oil Co., Minneapolis, Minn.
Crescent Oil Co., lubrg. oils, 602 W. Pratt, Baltimore, Md.
Crescent Oil Co., lubrg., Indianapolis, Ind.
Crescent Panel Co., Inc., 3229 W. Market St., Louisville, Ky.
Crescent Paper Co., Marseilles, Ill.
Crescent Paper & Machine Co., Phoenix, New York.
Crescent Phosporized Metal Co., 2314-2320 Wood St., Philadelphia, Pa.
Crescent Pk. Brass Fndry., Waltham, Mass.
Crescent Planing Mill Co., 3227 N. 9th St., St. Louis, Mo.
Crescent Portland Cement Co., Wampum, Pa.
Crescent Radio Mfg. Co., variometers, variocouplers, 130 Lexington Ave., New York.
Crescent Refining & Oil Co., petroleum, 2460 E. 28th, Los Angeles, Cal.
Crescent Refractories Co., Curwensville, Pa.
Crescent Roller Mills Co., flour, Taylorville, Ky.
Crescent Sales & Engineering Co., 743 Beaubien St., Detroit, Mich.
Crescent Sheet Metal Works, cornices, Riverside, Cal.
Crescent Shingle Co., Kelso, Wash.
Crescent Steel Co., 515-525 W. Tesson St., St. Louis, Mo.
Crescent Stone Co., Bloomington, Ind.
Crescent Stove & Mfg. Co., Lehighton, Pa.
Crescent Stove Wks., Evansville, Ind.
Crescent Tool Co., Jamestown, N. Y.
Crescent Tool Mfg. Co., 1002 Cass Ave., St. Louis, Mo.

CRESCENT TRUCK COMPANY, 160 N. Tenth St., Lebanon, Pa.

Pres.—Warren G. Light.
Sec.—P. W. Saitta.
Treas.—John Hunsicker, Jr.
Sales Mgr.—S. D. Barkman.

Branch Offices:
Boston, Mass.—33 Pearl St., Clinton E. Hobbs Company, Edwin Hobbs.
New York—30 Church St., H. F. Zeigler, District Mgr.
Philadelphia, Pa.—10 S. 18th St., L. W. Sipley, District Mgr.
Pittsburgh, Pa.—208 Sagamore St., W. E. Hamilton & Associates, W. E. Hailton.

Crescent Trunk Co., Ltd., 311 Girard, New Orleans, La.
Crescent Washing Machine Co., New Rochelle, N. Y.
Crescent Window Glass Co., Weston, W. Va.
Cresco Creamery Supply Co., dairy supplies, 52 W. Kinzie, Chicago, Ill.
Cresmer Mfg. Co., Inc., ladders, sashes, etc., 170 E. 8th, Riverside, Cal.
Creson, Robt. F., & Co., Turley Bldg., Memphis, Tenn.
Cress, H. G., toys, Troy, Ohio.
Cresskill Lumber Co., Cresskill, N. J.

CRESSMAN CO., N. C., 111 S. 5th, Philadelphia, Pa.

Cresson-Morris Co., 18th and Allegheny Sts., Philadelphia, Pa.
Cressona Powder Co., Pottsville, Pa.
Crestline Mfg. Co., Crestline, O.
Creston Milling Co., flour, Creston, Wash.
Creston Roller Mills, Creston, N. C.
Creswell Fruit & Vegetable Growers' Assn., canned goods, Creston, Ore.
Creswell Iron Wks., S. J., 23rd & Cherry Sts., Philadelphia, Pa.
Creswell, Samuel J., Iron Works, iron fndrs. & structural iron work, 23d & Cherry, Philadelphia, Pa.
Creta Creme Co., soap powders, 520 W. 27th, New York.
Crete Mills, flour, Crete, Nebr.
Cretors, C., & Co., coffee roasters, 620 W. 22d, Chicago, Ill.
Cretors, J. B., aprons (buggy), St. Paris, Ohio.
Crewe Roller Mills, flour, Crewe, Va.
Crew-Levick Co., 219 N. Broad, Philadelphia, Pa., and Warren, Pa.
Crex Carpet Co., 295 5th Ave., New York.
Crex Patent Column No., 2300 S. Springfield Ave., Chicago.
Cribben & Sexton Co., 680 N. Sacramento Blvd., Chicago.
Crichton, Alex. F., jute twine & yarn, Wilmington, Del.
Crichton-Curl Enamel Co., see Beaver Enameling Co., (successor).
Crider & Son, P. B., Bellefonte, Pa.
Cridland, Robt. B., landscape architect, Candler bldg., Atlanta, Ga.
Crie, H. H., & Co., wholesale hardware & mill & factory supplies, Rockland, Me.
Crim, C. M., & Son, lumber, Salem, Ind.
Crimmins & Pierce Co. (Wool), 281 Summer, Boston, Mass.
Crimmins Contracting Co., Thomas, 126 E. 59th St., New York.
Cripple Creek Mine & Supply Co., Cripple Creek, Colo.
Crisman Hdwe. Co., whol., 511 Market, Chattanooga, Tenn.
Crisp, Jas., & Co., belting mfrs., Bloomfield, N. J.
Crissey & Fowler Lumber Co., Colorado Springs, Colo.

CRITCHFIELD & CO., Brooks Bldg., Chicago.

Criterion Slate Co., columns, mantels—marbleized slate —Hydeville, Vt.
Crites & Co., H. M., Circleville, O.
Crittall Casement Window Co., 10951 Hearn st., Detroit, Mich.
Crittenden Guano Co., Shellman, Ga.
Crivel, Geo. F., & Co., fndry facings & supplies, Ellicott Sq., Buffalo, N. Y.
Crittenden Mfg. Co., The, 33 Moreland, Boston, Mass.
Crivitz Pulp & Paper Co., Crivits, Wis.
Crobaugh & Dahm Hardware Co., masons' matls. & plumbers' supplies, Tiffin, Ohio.
Croce & Co., F. D., 228 Washington St., New York.
Croce Auto Co., Asbury Park, N. J.
Crocker & Ogden Co., who. hdwe., Binghamton, N. Y.
Crocker Bros., 21 E. 40th St., New York.
Crocker, Burbank & Co., Inc., 545 Westminster st., Fitchburg, Mass.
Crocker Chair Co., Sheboygan, Wis.
Crocker Co., H. S., Inc., 565 Market St., San Francisco, Calif.
Crocker C., Samuel A., 18-20 W. 7th St., Cincinnati, O.
Crocker, L. O., East Braintree, Mass.
Crocker-McElwain Co., Holyoke, Mass.
Crocker-Wheeler Co., Ampere, N. J.
Crockett Brick, Tile & Mfg. Co., Crockett, Tex.
Crockett Co., The David B. (Now The Bissell Varnish Co.), Bridgeport, Conn.
Crockett, Couchman & Crawford, LaSalle Bldg., St. Louis, Mo.
Crockett, W. & W. F., contractors, 9 E. 59th, New York.
Crockett, Wm. P., Co., pipe cutters, 312 S. Green, Chicago, Ill.
Crockwell Mine & Mill Supply Company, 906 Federal Reserve Bank Bldg., St. Louis, Mo.
Crofoot Gear Co., Inc., Readville, Mass.
Crofoot Gear Works, Inc., Hyde Park Ave., Boston, Mass.
Crofoot, Nielson & Co., 172 W. Washington St., Chicago.
Croft Lbr. Co., Alexander, W. Va.
Croft, T. E., ties, poles, etc., Trilby, Fla.
Crofts & Reed Co., soap, 2335 W. Austin ave., Chicago, Ill.
Crogan Mfg. Co., steel tape measures, Bangor, Me.
Crokor National Fire Prevention Engrg. Co., 22 W. 30th St., New York.
Croley Co., Geo. H., incubators, 8th & Townsend, San Francisco, Cal.
Croll, Geo., contr., Brattleboro, Vt.
Cromble, W. M., & Co., lbr., 101 Park ave., New York.
Crompton & Knowles Loom Works, The, 93 Grand St., Worcester, Mass.
Crompton Co., Hospital Trust Bldg., Providence, R. I.
Cromwell, W. F., machsts. & fndrs., Bedford, Pa.
Cron & Co., furniture, Piqua, Ohio.
Cron, L. C. & W. L., Co., knocked down furniture, Piqua, Ohio.
Cron, Wm., Sons Co., carriages, Celina, Ohio.
Crona Bros. Constr. Co., Pensacola, Fla.
Crone, A. W. & Sons, contractors, 498 Central ave., Jersey City, N. J.
Crone, F. G., burners, 281 W. Ferry, Buffalo, N. Y.
Cronenberg, L., & Sons, sash, door & blind mfrs., Mount Vernon, N. Y.
Cronin, Baker & Tindal, plbrs. supplies, 339 Madison, Memphis, Tenn.
Cronin, Barth S., Co., contractors & dock bldrs., 573 Clinton, Brooklyn, N. Y.
Cronin, Daniel G., cornices & skylights, Morris, Ill.
Cronin, Jno. P., mill & facty. supplies, Paterson, N. J.
Cronin, Thos. Co., contractors, S. 17th, cor. Muriel, Pittsburgh, Pa.
Croninger Packing Co., meat packers, Shamokin, Pa.
Cronise Bros., canned goods, Nace, Va.
Cronk & Carrier Mfg. Co., hardware specialties, 150 Lake, Elmira, N. Y.
Cronk, F. S., Co., machsts. & fndrs., Waxahachie, Tex.
Cronk, Horace L., musical instru. strings, Battle Creek, Mich.
Cronk Mfg. Co., sash, door & blind mfrs., New Brunswick, N. J.
Cronkhite Co., Inc. (Chemicals, Dyestuffs, etc.), 142 Berkeley, Boston, Mass.
Cronkrite, L. R., corn brooms, Williamsport, Pa.
Crons-Kill Co., furniture, Dept. H, Piqua, Ohio.
Crook, H. E., Co., models & experimental work, 28 Light, Baltimore, Md. (tr.)
Crook-Horner Supply Co., 7 Balderson St., Baltimore, Md.
Crook, J. A., bldg. contrs., Exchange bldg., Los Angeles, Cal.
Crook Son & Co., handles, Hicksville, Ohio.
Crooke Co., Jno. J., 120 Bway., New York.
Crooke Htg. & Vent. Co., 150 Nassau, New York.
Crooker & Carpenter, contrs., Crosby Bldg., Buffalo, N. Y.
Crooks & McLean Co., marble producers, Carthage, N. Y.
Crooks & Sons, W. D., Williamsport, Pa.
Crooks Co., Inc., H. E., Baltimore, Md.
Crooks-Dittmar Co., oak flooring, Williamsport, Pa.
Crookston Lumber Co., First National Soo-Line Bldg., Minneapolis, Minn.
Crookston Mfg. Co., agricultural implements, Crookston, Minn.
Crookston Milling Co., flour, Crookston, Minn.
Crookston Tool Co., Crookston, Minn.
Crookston, W. H., & Bro., pipe joint cement, 2449 3rd ave., New York.
Crooksville China Co., Crooksville, O.
Crooksville Pottery Co., Crooksville, Ohio.
Croop Co., B. M. (Concrete Mixers), 2334 Kinzie St., Chicago.
Cropp & Co., concrete mixers, 2334 W. Kinzie, Chicago, Ill.
Cropsy & Mitchell, Bay 35, Brooklyn, N. Y.
Crosbie, R. L., cornices & skylights, Ogden, Utah.

CROSBY-CHICAGO CO., 29 Quincy St., Chicago.

Crosby & Co., stove pipe enamels, Ford Bldg., Detroit, Mich.
Crosby Bros. Co., lumber, Arrowsic, Me.
Crosby Co., 187 Pratt St., Buffalo, N. Y.
Crosby Co., Cuba, N. Y.
Crosby Co., Virginia City, Nev.
Crosby, C. P., lumber, Rhinelander, Wis.
Crosby, D., & Son, cat boats, Osterville, Mass.
Crosby, G. R., & Sons, contractors, Beverly, Mass.
Crosby, H. W., Contr. Co., 4048 Evans ave., St. Louis, Mo.
Crosby, J. D., Co., cold rolled strip steel, Dept. H, Dean & Farrel, Pawtucket, R. I.
Crosby Mfg. Co., carriages (children's), Frenchtown, N. J.
Crosby Navigation Co., shipbuilders, Richmond, Me.
Crosby Steam Gage & Valve Co., 40 Central, Boston, Mass.
Crosby, Wilton, cat boats, Osterville, Mass.
Crosier, P. E., arch., 915 N. Y. Life bldg., Minneapolis, Minn.
Crosley Mfg. Co., radio sets, Alfred & Cook sts., Cincinnati, O.
Crosman, G. A., & Sons Co., box shooks, Morrills Corner, Portland, Me.
Cross & Co., Inc., W. W., Brockton, Mass.
Cross & Parham, machsts. & fndrs., Sidell, Ill.
Cross Anchor Oil Co., meal, Cross Anchor, S. C.
Cross, Austin & Ireland Lumber Co., 1246 Grand Ave., Brooklyn, N. Y.
Cross-Bodine Lumber Co., Railway Exchange, Chicago.
Cross-Bodine Lumber Co., White Bldg., Seattle, Wash.
Cross Bros. & Co., 112-114 Mill St., Rochester, N. Y.
Cross, Bros. Co., Northfield, Vt.
Cross Bros., cornices, 10328 Woodward, Detroit, Mich.
Cross, Chas. W., street contr., Oakland, Cal.
Cross, Clarence L., lbr., Monadnock Bldg., Chicago, Ill.
Cross Co., J. H., 214 S. 12th St., Philadelphia, Pa.
Cross Co., Mark, 175 Broadway, New York.
Cross, E. C., & Son, meat, Salem, Ore.
Cross, E. J., Co., contractors, 82 Foster, Worcester, Mass.
Cross Engineering Co., Carbondale, Pa.
Cross, Ezra M., Machine Co., Berlin, N. H.
Cross Filter Co., now the Burt Mfg. Co., Akron, O.
Cross Gear & Engine Co., 3250 Bellevue, Detroit, Mich.
Cross, John W., 335 Madison ave., New York.
Cross, M. C., architect, 16 Nebraska Bl., Tulsa, Okla.
Cross Paper Feeder Co., machy., 185 Summer, Boston, Mass.
Cross Pencil Co., A. T., 53 Warren St., Providence, R. I.
Cross Press & Sign Co., machsts., 827 Rees, Chicago, Ill.
Cross, W. D., machst. & fdr., Geneva, Ind.
Crossan Constr. Co., Land Title Bldg., Philadelphia, Pa.
Crossan, Miner & Frees, lumber, Coffey, Mo.
Crosscup, I. D., boiler compounds, 24 California, San Francisco, Cal.
Crossett Lumber Co., Crossett, Ark.
Crossett Western Lumber Co., Wauna, Ore.
Crossington Knitting Mills, sweaters, etc., 243 Ashmead, Gtn., Philadelphia, Pa.
Crossley, Geo. C. (Clay & Sand), Toms River, N. J.
Crossley, G. R., lbr., 11 William, New York.
Crossley Machine Co., State & Manmouth Sts., Trenton, N. J.
Crossman Co., clays, South Amboy, N. J.
Crossman Tack Co., Dighton, Mass.
Crossroads Canning Co., Berkeley Springs, W. Va.
Crosta, C. A., cornices & skylights, 1830 Market, Denver, Colo.
Crotch Island Granite Co., 26 Cortland, New York.
Crothersville Canning Co., Seymour, Ind.
Croton Chemical Co., 293 Broadway, New York.
Croton Mfg. Co., brass tubing, Croton on Hudson, N. Y.
Crotty, J. J., & Co., machsts & drilling tools, Parkersburg, W. Va.
Crotwell Bros. Lumber Co., Bessemer, Ala.
Crouch & Fitzgerald, 417 W. 28th st., New York.
Crouch Bros. Co., flour mills, Erie, Pa.
Crouch, E. M., contractor, Oil City, Pa.
Crouch Lumber & Construction Co., Trinidad, Colo.
Crouse Clay Products Co., 550 E. South, Akron, Ohio.
Crouse-Hinds Co., Wolf-7th North, Syracuse, N. Y.
Crouse, J. L., contrs., Greensboro, N. C.
Crouse Metal Mfg. Co., box fasteners, Williamsport, Pa.
Crout, J. M., fndrs., Saluda, S. C.
Crow-Elkhart Motor Co., Elkhart, Ind.
Crow, L. A., Machine & Boiler Co., 1326 Mono, Fresno, Cal.
Crow, Lewis & Wick, architects, 200 5th ave., New York.
Crow Motor Car Co., Elkhart, Ind.
Crow Stove Polish Co., 2520 Galena, Milwaukee, Wis.
Crow, Wm. L., Constr. Co., 103 Park ave., New York.
Crowder Bros., 209 Merchants-Laclede Bldg., St. Louis, Mo.
Crowder Co., Jr., Easton, Pa.
Crowe & Co., F. T., 508 Westlake St., Seattle, Wash.
Crowe Glass Co., 1055 Post, San Francisco, Cal.
Crowe, John Co., contractors, 736 High, Fall River, Mass.
Crowe-Keane Button Co., Botsford, Conn.
Crowe, Michael J., masons' & bldrs.' matls., Lockport, N. Y.
Crowe Name Plate & Engraving Co., 1749 Grace St., Chicago.
Crowell & Little Constr. Co., 3751 Prospect ave., Cleveland, O.
Crowell & Murray, chemical laboratories, 407 Perry-Payne Bldg., Cleveland, Ohio.
Crowell & Seward, contrs., Pasadena, Cal.
Crowell & Spencer Co., Ltd., Long Leaf, La.
Crowell Chemical Co., metal polish, Beverly, Mass.
Crowell Corp., gummed paper, tape & moistening machy., 84 35th St., Brooklyn, N. Y.
Crowell, D. J., 61 "The Terrace," Buffalo, N. Y.
Crowell, Fred C., sash, door & blind, Norwich, Conn.
Crowell, Jas., lbr., Ft. Cross, Newark, N. J.
Crowell, Jas. Addison, brick molds, Wallkill, N. Y.
Crowell, J. Gilmer, now Crowell Mfg. Co., Brooklyn.

CROWELL MFG. CO., 321 Franklin av., Brooklyn, N. Y.

Crowell Packer Co., oil well supplies, 412 W. 1st, Tulsa, Okla.
Crowell, Weymouth Co., 2104 E. 15th, Los Angeles, Cal.
Crowell, Wm. Co., contr., Pasadena, Cal.
Crowell, William Co., oxyacetylene welding, Van Horne & Central R. R., Jersey City, N. J.
Crowell, W. W. (Hdw. Supp.), 86 Warren St., New York.
Crowley Boiler Wks., Jackson, Mich.
Crowley Co., John A., 120 Liberty St., New York.
Crowley Co., sashes, N. 3420 Regal, Spokane, Wash.
Crowley Iron & Machy. Co., Crowley, La.
Crowley Launch & Tugboat Co., Ft. 14th ave., Oakland, Cal.
Crown Brass Mfg. Co., castings, Santa Fe ave. at E. 15th, Los Angeles, Cal.
Crown Cap Mfg. Co., 201 37th, Brooklyn, N. Y.
Crown Chair Co., Fulton av. & Belt R. R., Evansville, Ind.
Crown Chemical Co., Gross & Yew St., Pittsburgh, Pa.
Crown Chemical Co., metal polish, Georgia & Penn., Indianapolis, Ind.
Crown City Manufacturing Co., 251 W. Green, Pasadena, Cal.
Crown Coloring & Chemical Co., 327 Columbus Ave., New York.
Crown Cork & Seal Co., 1511 Gilford St., Baltimore, Md.
Crown Cotton Mills, Dalton, Ga.
Crown Cut Glass Co., Hancock, N. Y.

CROWN DIE & TOOL CO., 2640 N. Keeler av., Chicago.

Crown Electrical Mfg. Co., St. Charles, Ill.
Crown Foundry Co., Peoria, Ill.
Crown Foundry Co., Belleville, Ill.
Crown Fuel Saver Co., fuel economizers, Richmond, Ind.
Crown Gas Radiator Co., 1206 E. Colorado, Pasadena, Cal.
Crown Hardware Co., Pasadena, Cal.

CROWN IRON WORKS CO., bridge railings, 1229 Tyler, Minneapolis, Minn.

Crown, J. F. & Son, carriages, 2115 12th, Washington, D. C.
Crown Jewel Milling Co., flour, Cynthiana, Ky.
Crown Lbr. Co., Mukilteo, Wash.
Crown Mfg. Co., agricultural implements, Phelps, N. Y.
Crown Mfg. Co., boiler compounds, Engineers Bldg., Cleveland, Ohio.
Crown Metal Co., babbitt metal, white metal, alloys & lead, 259 Wash., Milwaukee, Wis.
Crown Mill Co., flour, Socorro, N. M.
Crown Motor Carriage Co., Inc., 2500 McPherson, Los Angeles, Cal.
Crown Oil Co., 6222 Walworth, Cleveland, Ohio.

Crown Oil & Wax Co., lubrg., cor. Pratt & 8th, Baltimore, Md.
Crown Overall Mfg. Co., 3rd & Plum, Cincinnati, Ohio.
Crown Pipe & Fdry. Co., Jackson, O.
Crown Point Spar Co., Inc., 101 Park Ave., New York
Crown Potteries Co., crockery, 2300 Division, Evansville, Ind.
Crown Rheostat & Supply Co., 31-33 S. Desplaines St., Chicago.
Crown Ribbon & Carbon Mfg. Co., typewriter ribbons, Rochester, N. Y.
Crown Sash, Door & Mill Co., 2416 McPherson, Los Angeles, Cal.
Crown Sidewalk & Block Co., contrs., 2500 N. E. Washington, Minneapolis, Minn.
Crown Slate Co., Pen Argyl, Pa.
Crown Smelting Co., Chester, Pa.
Crown Stationery Co., 13 W. 17th St., New York
Crown Stove Works, machsts. & fndrs., Cicero, Ill.
Crown Varnish & Enamel Co., 2322 N. Seeley ave., Chicago, Ill.
Crown Wall Plaster Co., Braddock, Pa.
Crown Welding Wks., 364 Willoughby ave., Brooklyn, N. Y.
Crown Willamette Paper Co., 722 Montgomery, San Francisco, Cal.
Crownshield Trading Corp., 30 Church St., New York
Crowther Hardware Co., wholesale, San Angelo, Tex.
Crowther, Harry, mach. wipers, Rorer & Ontario, Philadelphia, Pa.
Croze, Jos., dry docks, Houghton, Mich.
Crozer Coal & Coke Co., Philadelphia, Pa.
Crozier, R. J., Co., mfrs. agents, mill & factory supplies, etc., 10 S. 18th, Philadelphia, Pa.
Cruban Machine & Steel Corp., mandrels, reamers & milling cutters, 60 Warick, New York.
Crucet Mfg. Co., portables, 256 W. 28th, New York.
Crucible Fuel Co., bituminous, Empire bldg., Pittsburgh, Pa.
Crucible Steel Casting Co., 801 Champlain Ave., Cleveland, O.
Crucible Steel Casting Co., Lansdowne, Pa.
Crucible Steel Casting Co., 612 Clinton St., Milwaukee, Wis.
Crucible Steel Co. of America, 51st & A. V. R. R., Pittsburgh, Pa.
Cruickshank, Clinton M., cont., 17 E. 42nd, New York.
Cruickshank Engine Co., 231 Dyer St., Providence, R. I.
Cruickshanks Iron Works Co., steel structural work, Dineen & S. G. L. Ry., Richmond, Va. (tr.)
Cruikshank Bros. Co., canned goods, Pittsburgh, Pa.
Cruise & Co. (Tube Protectors), Elizabeth, N. J.
Cruise & Smiley Constr. Co., Pawtucket, R. I.
Crum, Lewis D., mill & facty. supplies, Helena, Ark.
Crum-Wiley Mfg. Co., Peru, Ind.
Crumb Quarry Co., granite, Westerly, R. I.
Crumb Steel Co., R. W., Rockford, Ill.
Crumb, W. B., Forestville, Conn.
Crume Brick Co., Dayton, Ohio.
Crumley Jones & Crumley Co., contrs., 2301 Concord, Cincinnati, Ohio.
Crumley-Sharp Hardware Co., Atlanta, Ga.
Crump, A. B., Contr. Co., Macon, Ga.
Crump, Benj. T., Co., harness mfrs., Richmond, Va.
Crumpton & Co., W. D., 8-10 Bridge St., New York.
Crunden Martin Mfg. Co., 760 S. 2nd St., St. Louis, Mo.
Crupper, Jos. L., sash, door & blind, 13th & Ohio ave., N. W., Washington, D. C.
Cruse-Crawford Mfg. Co., Birmingham, Ala.

CRUSE-KEMPER CO., Ambler, Pa.

Crusier Motor Car Co., Madison, Wis.
Crutchfield Hardware Co., wholesale, Thomasville, N. C.
Cruver Mfg. Co., adv. novelties, 2456 W. Jackson Blvd., Chicago.
Cruver-Peters Co., cameras, 825 Washington blvd., Chicago, Ill.
Cryer Return Line System Co., 296 Madison ave., New York.
Cryer, T. B., heating contractors, 249 High, Newark, N. J.
Cryer, Wm., motor boats, Foot of Dennison, Oakland, Cal.
Crystal Brook Granite Co., Hardwick, Vt.
Crystal Carbonate Lime Co., Louisiana, Mo.
Crystal Chemical Corp., sodium silicate, Summitville, Ind.
Crystal Coal & Coke Co., Crystal, W. Va.
Crystal Filler Co., 1518 W. Slauson, Los Angeles, Cal.
Crystal Gelatine Co., 121 Beverly, Boston, Mass.
Crystal Glass Co., Inc., 2320 E. 52nd, Los Angeles, Cal.
Crystal Oil & Paint Co., 412 Meriam Bldg., Cleveland, O.
Crystal Oil Works Co., Oil City, Pa.
Crystal Palace Flouring Mills Co., Weatherford, Tex.
Crystal Paper Co., Middletown, O.
Crystal Refrigerator Co., Fremont, Neb.
Crystal Sand Co., Bridgeton, N. J.
Crystal Spring Canning Co., Dixon, Mo.
Crystal Springs Paste Co., 70 Kilby, Boston, Mass.
Crystal Springs Sand Co., Canal Fulton, Ohio.
Crystal Washing Machine Co., 3609 Gratiot Ave., Detroit, Mich.
Crystal Works of Benjamin Electric Mfg. Co., enamelers, sheet metal stampings, etc., 847 W. Jackson blvd., Chicago, Ill.
Crystalline Soap Co., Army & Hampshire, San Francisco, Cal.
Cuba Specialty Mfg. Co., minnow traps, Houghton, N. Y.
Cuban Portland Cement Co., 342 Madison Ave., New York.
Cudahy Brothers Co., Cudahy, Wis.
Cudahy Packing Co., 111 W. Monroe St., Chicago.
Cudahy Packing Co., Kansas ave. & Railroad, Kansas City, Mo.
Cudell, F. E., 10013 Detroit Ave., Cleveland, O.
Cudlipp Belting & Machy. Co., 317 Tchoupitoulas, New Orleans, La.
Cuero Cotton Oil & Mfg. Co., meal, Cuero, Tex.
Cuff, C. C., architect, Forum Bldg., Sacramento, Cal.
Culbert & Sons, Wm., 127 2nd av., S., Nashville, Tenn.
Culbertson & Kelly, contrs., 872 W. Milwaukee, Detroit, Mich.
Culbertson Bros., carriages, Mechanicsburg, Ohio.
Culbertson, H. E., Co., contractors, Citizens Bldg., Cleveland, Ohio.
Culbertson Hardware Co., Auburn, Ind.
Cull, Wm., & Sons, carriages, Marion, Ohio.
Cullen-Atkinson Co., Inc., The, 120-124 Allyn St., Hartford, Conn.
Cullen Co., expansion tanks & tubular boilers, Clinton, Ia.
Cullen, Frederick M., elec. contrs., Norwalk, Conn.
Cullen-Friestedt Co., contractors, 1308 S. Kilbourne ave., Chicago, Ill.
Cullen, Geo. P., Inc., contrs., 2940 N. Lake, Chicago, Ill.
Cullen, J. P., Constr. Co., Janesville, Wis.
Culler Furniture Co., Williamsport, Pa.
Cullihan, R. A., contr., Tremont, Ill.
Cullinan, Thos. F., Co., reinf. concrete steel const., Providence, R. I.
Culliton, Wm. C., contr., 2079 Main, Buffalo, N. Y.
Cullman Wheel Co., 1346 Altgeld St., Chicago.
Culloden Ginning & Fertilizer Co., Culloden, Ga.
Cullum & Boren Co., gun cleaning, camping outfits, rods, etc., Dallas, Tex.
Cullum, J., & Co., tubular boilers, Kingston, N. Y.
Cullum, W. J., Co., contractors, Portsmouth, Ohio.
Culmers Co., glass, Salt Lake City, Utah.
Culp, Chas. F., contrs., New Rockford, N. Dakota.
Culp, W. S. & A. M., contractors, Chestertown, Md.
Culter & Proctor Stove Co., Peoria, Ill.
Culver, M. A., & Son, lumber, Cedar, Mich.
Culver Mfg. Co., automobiles, Culver City, Cal.
Culver Stearns Mfg. Co., 53 Crafton st., Worcester, Mass.
Cumberland Fertilizer Co., Cartersville, Ga.
Cumberland Fruit Package Co., berry boxes, Cumberland, Wis.
Cumberland Glass Mfg. Co., Bridgeton, N. J.
Cumberland Hyd. Cement & Mfg. Co., Cumberland, Md.
Cumberland Milling Co., flour, Cumberland, Md.
Cumberland Portland Cement Co., Cumberland, Md.
Cumberland Sash & Door Co., Cumberland, Md.
Cumberland Shipbuilding Co., Yards S. P., Portland, Me.
Cumberland Steel Co., William St. and B. & O. R. R., Cumberland, Md.
Cumberland Valley Paper Box Co., mailing tubes, Hagerstown, Md.
Cumbler Est., Geo. W., Steelton, Pa.
Cuming, Henry B., leather belting, 207 Center, New York.
Cuming, H. P., Construction Co., 77 Summer, Boston, Mass.
Cummer & Son Co., The, F. D., the Keith Bldg., Cleveland, O.
Cummer Cypress Co., Sumner, Fla.
Cummer-Diggins Co., Cadillac, Mich.
Cummer Lbr. Co., St. James Bldg., Jacksonville, Fla.
Cummer Mfg. Co., Cadillac, Mich.
Cummer Products Co., lubricating oils, 2150 W. 15th, Cleveland, Ohio.
Cumming Oil & Fertilizer Co., Cumming, Ga.
Cummings & Emerson, Peoria, Ill.
Cummings, Bevis & Levan mill & facty. supplies, Lancaster, Pa.
Cummings Bros., carriages, Hudson, N. H.
Cummings Bros., stone prod., Voorheesville, N. Y.
Cummings, C. B., & Son, dowels, lbr., etc., Dept. H, Norway, Me.
Cummings, F., Leather Co., Woburn, Mass.
Cummings Filter Co., 2701 Liberty Ave., Pittsburgh, Pa.
Cummings, G. R., Jr., & Co., shoe blacking & polishes, 132 Reed, Milwaukee, Wis.
Cummings, Geo., & Son, tex. machy. (roll coverers), 2729 N. Main, Fall River, Mass.
Cummings, H. P., Construction Co., Ware, Mass.
Cummings Iron Wks. & Supply Co., Walterboro, S. C.
Cummings Josiah & Son, store trucks, 657 Atlantic ave., Boston, Mass.
Cummings, M. F., cornices & skylights, Yazoo City, Miss.
Cummings Machine Co., see Industrial Equipment Co. (successor).
Cummings Machine Co., Minster, O.
Cummings Machine Wks., 255 Atlantic ave., Boston, Mass.
Cummings Moore Graphite Co., 670 Greene, Detroit, Mich.
Cummings Ship Instrument Wks., 255 Atlantic av., Boston, Mass.
Cummings Struct. Concrete Co., Benedum Trees Bldg., Pittsburgh, Pa.
Cummings, T. A., Fdry. Co., 1338 Cortland, Chicago, Ill.
Cummings, Thos. F., Co., leather, 62 Marshall, Newark, N. J.
Cummings Vote Register Corp., Knox, Ind.
Cummings, W. F., 330 S. Paulina St., Chicago.
Cummings, W. H., & Sons., scrap rubber, 60 Harrison, New York.
Cummins & Co., handles, Red Lick, Ky.
Cummins Canning Co., Conneaut, Ohio.
Cummins, Chas., flour mills, Cumminsville, Ky.
Cummins Co., B. F., The, 4740 Ravenswood Ave., Chicago
Cummins Co., The C. R., 1307 Swetland Bldg., Cleveland, O.
Cummins Perforator Co., 4760 W. Ravenswood ave., Chicago, Ill.
Cuneo Co., John F., 2242 Grove St., Chicago.
Cunningham & Birdwood, shaft couplings, Lynn, Mass.
Cunningham & Foley, Inc., contrs., 14 W. 45th, New York.
Cunningham & Thompson Co., Gloucester, Mass.
Cunningham, A. J., Co., meat pkrs., 34 Blackstone, Boston, Mass.
Cunningham, A. W., & Co., builders' supplies, Atlantic City, N. J.
Cunningham, Allen, Co., Inc., winches, windlasses, 7500 Carleton ave., Seattle, Wash.
Cunningham Brick Co., Greensboro, N. C.
Cunningham Bros., Beloit, Wis.
Cunningham, C. S., & Son, Co., contrs., 23 Central ave., Lynn, Mass.
Cunningham, C. S., & Sons Constr. Co., 80 Boylston, Boston, Mass.
Cunningham, Christopher, Co., tubular boilers, 437 Greenpoint ave., Brooklyn, N. Y.
Cunningham Co., M. E., 625 Smithfield St., Pittsburgh, Pa.
Cunningham Const. Co., 1801 Kentucky ave., Indianapolis, Ind.
Cunningham Construction Co., Martinsville, Ind.
Cunningham, F. W., & Sons, contractors, 181 State, Portland, Me.
Cunningham Glass Co., D. O., 22nd & Jane Sts., Pittsburgh, Pa.
Cunningham Hardware Co., Mobile, Ala.
Cunningham Lbr. Co., J. P., 45 Warehouse St., Rochester, N. Y.
Cunningham Manufacturing Co., N. San Fernando Rd., Glendale, Cal.
Cunningham, P. C., 1040 S. Broadway, Los Angeles, Cal.
Cunningham Packing Co., meat packers, 84 S. Market, Boston, Mass.
Cunningham Piano Co., 1101 Chestnut, Philadelphia, Pa.
Cunningham Plumbing Supply Co., plumbers' & steam fitters' supplies, 1234 Pennsylvania ave., N. W., Washington, D. C.
Cunningham, Richard, brick, Russiaville, Ind.
Cunningham, Son & Co., Jas., 13 Canal St., Rochester, N. Y.
Cunningham, T., Co., contractors, 608 E. 15th, New York.
Cuno Engng. Corp., auto lamps & cigar lighters, Meriden, Conn.
Cupples Adjustable Tooth Co., Tyrone, Pa.
Cupples Co., Mfrs., 401 S. 7th St., St. Louis, Mo.
Cupples Envelope Co., Sam'l, 508 St. Clair Ave., Chicago.

CUPPLES ENVELOPE CO., SAMUEL, 628 S. 6th st., St. Louis, Mo.

Cupples Mercantile Co., Ltd., whol. hdwe., Caldwell, Idaho.
Cupples, Sam'l, Woodenware Co., 7th & Spruce, St. Louis, Mo.
Curd Co., Geo. B., Johnston Bldg., Cincinnati, O.
Cureton, Geo. W., flour, Rising Fawn, Ga.
Curfman, F. L., Mfg. Co., auto repairing tools, brushes, torches, Marysville, Mo.
CURLE MFG. CO., linotype parts, 429 Sacramento, San Francisco, Calif.
Curnow, R. C., machinist, Sonora, Cal.
Curphey & Mundy, contractors, Vicksburg, Miss.
Curran Bros. & Murphy, stone prod., 305 Douglas, Brooklyn, N. Y.
Curran Elevator Co., Jas. H., 114 W. 2nd St., Cincinnati, O.
Curran, Frank, 101 Erie Ave., Susquehanna, Pa.
Curran Lumber Co., Lexington, Ky.

CURRAN PRINTING CO., CON P., 102 S. 8th St., St. Louis, Mo.

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V. P. and Genl. Mgr.—F. W. Corley.
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V. P. and Gen. Sales Mgr.—Sol W. Gross.
V. P. and Mgr. Tele. Sales—Con P. Curran, Jr.
Sec.—A. S. Hart.

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Toledo, O.—1519-20 Nicholas Bldg., Henry G. Keeler.
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Curran Supply Co., steam fitters' supplies, 512 W. 36th, New York.
Currie Bros., Co., fertilizer mfrs., Milwaukee, Wis.
Currie Canning Co., Grand Junction, Colo.
Currie Co., mill & facty. supplies, Atlantic City, N. J.
Currie, J. B., & Son, machsts., 72 Adams, Brooklyn, N. Y.
Currie, J. L., & Co., lumber, Carthage, N. C.
Currie Lbr. Co., Fayetteville, N. C.
Currie, Marvin & Son, contrs., Johnstown, N. Y.
Currie Van Ness Co., hdwe., Mason City, Ia.
Currie, W. E., 20 McGraw Bldg., Detroit, Mich.
Currie Windmill Co., Topeka, Kan.
Currier & Sons, C., 365 Market St., Newark, N. J.
Currier-Cameron Co., auto, wood bodies, 85 Elm, Amesbury, Mass.
Currier, Cyrus, & Sons, leather & oilcloth, etc., machy., 365 Market, Newark, N. J.
Currier Mfg. Co., Boston Block, Minneapolis, Minn.
Currier Needle Co., Kingston, Manchester, N. H.
Curry & Co., Chas. C., Railway Exchange Bldg., St. Louis, Mo.
Curry Bros. Lbr. Co., Druid, N. C.
Curry Bros. Oil Co., lubrg. oils, 253 Franklin, Boston, Mass.
Curry Champion Fly Trap Co., Paducah, Ky.
Curry Co., J. W., 2615 Cummins St., Cincinnati, O.
Curry, Robt. W., contractor, Newport, R. I.
Curtain Supply Co., The, 357 W. Ontario St., Chicago.
Curtice Bros. Co., 20 Curtice St., Rochester, N. Y.
Curtice, J. E., lumber, Coleman, Mich.
Curtin-Ruggles Co., contractors, 39 Cortland, New York.
Curtin Corp., John, (Canvas Goods), 71 Front St., New York.
Curtin Forge Co., Curtin, Pa.
Curtin-Hebert Co., Gloversville, N. Y.
Curtin, Wm. H., Mfg. Co., htg. contrs., 331 Adam, Brooklyn, N. Y.
Curtis & Bros., Inc., Newark, Del.
Curtis & Co., Zanesville, O.
Curtis & Co. Mfg. Co., 1502 Kienlen, St. Louis, Mo.

CURTIS & CURTIS CO., THE, 317 Garden St., Bridgeport, Conn.

Curtis & Gindall, contrs., Joliet, Ill.
Curtis & Haire, machsts., Woodsfield, Ohio.
Curtis & Marble Machine Co., 72 Cambridge St., Worcester, Mass.
Curtis & Pope Lumber Co., 783 Massachusetts, Boston, Mass.
Curtis & Son, S. Sandy Hook, Conn.
Curtis & Spindell Co., elastic hosiery, Lynn, Mass.
Curtis & Tompkins, chemists, 331 California, San Francisco, Cal.
Curtis & Von Bernuth Mfg. Co., 88 Broadway, New York.
Curtis & Yale Co., Wausau, Wis.
Curtis Bay Copper & Iron Works, Inc., Beetch St., Baltimore, Md.
Curtis & Bentley Co., 8-20 E. Grand av., Oklahoma City, Okla.
Curtis-Brislin Lbr. Co., sash, door & blind mfrs., 3290 Atlantic ave., Brooklyn, N. Y.
Curtis Bros. & Co., Clinton, Ia.
Curtis Bros., sashes, doors & blinds, East Orange, N. J.
Curtis, C. E., & Co., Templeton Bldg., Salt Lake City, Utah, & Paulson Bldg., Spokane, Wash.
Curtis, C. H., cornices & skylights, Waldboro, Me.
Curtis, Chas. E., & Son, stone producers, 1 Cedar, Salem, Mass.
Curtis Clutch Disc. Co., 1502 Kienlen ave., St. Louis, Mo.
Curtis Corp., The, 90 W. Broadway, New York.
Curtis Corporation, canned goods, Long Beach, Cal.
Curtis Dexter Co., horse collar pads, etc., Madison, Wis.
Curtis Door & Sash Co., 1414 S. Western Ave., Chicago.
Curtis Espy & Co., automatic egg boilers, 158 N. Ashland bldg., Chicago, Ill.
Curtis, Fred W., plate glass, Troy, N. Y.
Curtis, Geo. R., paving contrs., 2440 E. 26th, Los Angeles, Cal.
Curtis-Hosey Dryer Co., dryers, kilns, moisture scales & kiln drying apparatus, Lyle bldg., 23rd & Chestnut, Philadelphia, Pa.
Curtis, J. A., cornices, Red Hook, N. Y.
Curtis, Jas. C., & Co., coffins, etc., 1222 W. Van Buren, Chicago, Ill.
Curtis, John, & Co., contractors, Wilkes-Barre, Pa.
Curtis-Leger Fixture Co., 235 W. Jackson Blvd., Chicago.
Curtis Lighting, Inc., 1123 W. Jackson Blvd., Chicago.
Curtis Machine Co., Jamestown, N. Y.
Curtis Mfg. Co., see Melalite Co. (successor).
Curtis Machine Co., Milan, Ohio.
Curtis, Mont G., Co., horse collars, Troy, N. Y.
Curtis Pneumatic Machinery Co., 1560 Kienlen ave., St. Louis, Mo.
Curtis Sash & Door Co., Sioux City, Ia.
Curtis Supply Co., Inc., milk & factory supplies, 59H Main, Buffalo, N. Y.
Curtis Tire & Rubber Co., Muskegon, Mich.
Curtis, Towle & Paine Co., Lincoln, Nebr.
Curtis, Towle & Paine Co., Topeka, Kan.
Curtis Trailer Co., 417-20th Ave. N., Minneapolis, Minn.
Curtis Truck & Forging Co., machinists, Decatur, Ill.

C

Curtis, W. H., naval arch., Bates Bldg., Portland, Ore.
Curtis, Wm., Sons Co., lumber, 30 Eustis, Boston, Mass.
Curtis-Yale-Howard Co., Minneapolis, Minn.
Curtiss & Dean, contractors, 721 Main, Hartford, Conn.
Curtiss & Pierpont Co., cornices, 272 Elm, New Haven, Conn.
Curtiss Aeroplane & Motor Corp., 74 Kail, Buffalo, N. Y.
Curtiss Aeroplane & Motor Corp., Garden City, N. Y.
Curtiss Bros., Richland, N. Y.
Curtiss Co., J. H., 2 South St., New York.
Curtiss Dexter Co., Madison, Wis.
Curtiss, W. L., ties, poles, etc., 623 Delaware ave., Buffalo, N. Y.
Curtiss, Wm. M., Co., masons' & bldrs.' matls. & mill & facty. supplies, 5016 20th, N. W., Seattle, Wash.

CUSACK CO., THOS. (Signs), 514 Loomis st., Chicago.

Cusack Hardware Co., wholesale hardware, 1004 Arch, Philadelphia, Pa.
Cushing & Anderson, glass stainers, 305 Warren, Rox., Boston, Mass.
Cushing & Co., Daniel, 398 Middlesex S., Lowell, Mass.
Cushing, L. W., & Son, weather vanes, Waltham, Mass.
Cushing Mfg. Co., see Acme Electric Welder Co. (successor).
Cushing Refining Co., petroleum and its products, Cushing, Okla.
Cushing, S. G., & Son, 17 Culley, Fitchburg, Mass.
Cushion Pedal Co., heel plates & running mats, 287 San Fernando rd., Los Angeles, Cal.
Cushman & Denison Mfg. Co., 11th Ave. & 20th St., New York.
Cushman & Hebert, Haverhill, Mass.
Cushman & Rankin Co., paper & pulp mills, Bath, N. H.
Cushman Auto Tool Co., Champaign, Ill.
Cushman Co., Inc., castings, Champaign, Ill.
Cushman Chuck Co., 806 Windsor st., Hartford, Conn.
Cushman Electric Co., Concord, N. H.
Cushman, H. T., Mfg. Co., music stands, North Bennington, Vt.
Cushman Motor Works, 2019 N St., Lincoln, Neb.
Cushman, Person W., steam htg. contr., 7516 Decker ave., N. E., Cleveland, Ohio.
Cushnoc Paper Co., Augusta, Me.
Cussins & Fearn Co., The, 653-5-7 W. Broad St., Columbus, O.
Cussins, Chas. D., Co., wholesale hdwe., 170 N. 3rd, Columbus, Ohio.
Custer & Seltzer, architects, Camden, N. J.
Custer Coupling Co., Bradford, Pa.
Custer Lumber Co., Custer, Wash.
Custer Milling Co., flour, Custer, Okla.
Custer Specialty Co., aneroids, juvenile autos & aeroplane instruments, Dept. H, Dayton, Ohio.
Custer, W. F., & Son, carriage wrenches, hand power punch & shear combined, Summitville, Ind.
Custodis, Alphons, Chimney Const. Co., 95 Nassau, New York.
Custodis Chimney Construction Co., Alphons, 95 Nassau St., New York.
Custodis Chimney Co., contractors, 140 S. Dearborn, Chicago, Ill.
Cutaway Harrow Co., Higganum, Conn. (See Bateman & Companies, Inc., New York.)
Cuthbert Bros. Co., contractors, Bessemer Bldg., Pittsburgh, Pa.
Cuthbert Co., Ltd., The, Winnipeg, Man., Can.
Cuthbert Oil Co., Cuthbert, Ga.
Cuthrell, John A., lbr. mfrs., Greentown, Ind.
Cuthrell, John, Box Co., lbr., Norfolk, Va.
Cutler Automatic Service Co., 755 S. San Fernando Rd., Glendale, Cal.
Cutler Desk Co. (Dry Kiln Department), 14-64 Churchill St., Buffalo, N. Y.
Cutler Dry Kiln Co., Inc. (See Cutler Desk Co.), 24-64 Churchill St., Buffalo, N. Y.

CUTLER-HAMMER MFG. CO., THE, 12th St. & St. Paul Ave., Milwaukee, Wis.

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Detroit, Mich.—905 Kresge Bldg.
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New York—50 Church St.
New York Works—144th St. & Southern Blvd.
New York Works (Moulded Products)—137th St. & Southern Blvd.
New York Works (Printing Dept.)—Times Bldg.
Philadelphia, Pa.—Commonwealth Bldg.
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Denver, Colo.—536 U. S. National Bank Bldg., H. L. Vaughn
Los Angeles, Cal.—229 Boyd St., H. B. Squires Co.
Philadelphia, Pa.—1328 Chestnut St., J. M. Brugler.
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Cutler Hardware Co., Waterloo, Ia.
Cutler Hdwe. Co., Newbern, N. C.

CUTLER MAIL CHUTE CO., Cutler Bldg., Rochester, N. Y.

Branch Office:
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Cutler Mfg. Co., fruit graders, box lidding presses, etc., 353 E. 10th, Portland, Ore.
Cutler Steel Co., Bowman Bldg., Pittsburgh, Pa.
Cutshall, J. M., & Sons, contrs., Brazil, Ind.
Cutsinger, F. M., lbr. mfrs., Morgan ave., Evansville, Ind.
Cutter & Cutter, 124 Bedford, Boston, Mass.
Cutter & Wood Supply Co., 70 Pearl St., Boston, Mass.
Cutter Company, F. B., 50 Church St., New York.
Cutter Company, The, Franklin Tr. Bl., Philadelphia, Pa.
Cutter Electrical & Mfg. Co., circuit breakers, switches, etc., Dept. H, 19th & Hamilton, Philadelphia, Pa.
Cutter, George, Works of Westingthouse Electric Co., South Bend, Ind.
Cutter Mfg. Co., Orient Ave., Boston, Mass.
Cutter Tower Co., Inc., Grand Central Terminal, New York.
Cutter, Scott C., testing clamps, Oswego, Ill.
Cutter, W. C., clay miners, Woodbridge, N. J.
Cutting & Washington Radio Corp., 35 Water st., New York.
Cuyahoga Boiler Works, 1206 Main ave., Cleveland, Ohio.
Cuyahoga House Wrecking Co., bldg., materials, 6311 Kinsman rd., Cleveland, Ohio.
Cuyahoga Lumber Co., 1948 Carter rd., Cleveland, Ohio.
Cuyahoga Roofing Co., cornices & skylights, Woodland & N. P. R.R., Cleveland, Ohio.
Cuyahoga Soap Co., 808 Denison ave., Cleveland, Ohio.

CUYAHOGA SPRING CO., 1053 Berea Rd., Cleveland, O.

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Cuyler & Mohler, 611 Williams St., Baltimore, Md.
Cybur Lumber Co., Cybur, Miss.
Cyclemotor Corp., 149 Cady St., Rochester, N. Y.
Cuyahoga Steel & Wire Co., P. O. Station D, Cleveland, Ohio.
Cycle Hatcher Co., incubators, Elmira, N. Y.
Cyclone Blow Pipe Co., 2552 W. 21st, Chicago, Ill.
Cyclone Brush Co., hand vacuum cleaners,. Bradford, Pa.

CYCLONE FENCE COMPANY, General Offices, Waukegan, Ill.

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Oakland, Cal.—60th & Lowell Sts., Standard Fence Co.
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Cyclone Seeder Co., The, Urbana, Ind.
Cyclops Foundry Co., 1503 Union Bank Bldg., Pittsburgh, Pa.
Cyclops Iron Wks., 837 Folsom, San Francisco, Cal.
Cyclops Steel Co., 120 Broadway, New York.
Cylinder & Piston Co., The, Hartford, Conn.
Cypher, J. L., fndrs., Connellsville, Pa.
Cyphers Incubator Co., Buffalo, N. Y.
Cypress Lumber Co., Apalachicola, Fla.
Cyr, John & Co., contrs., Lawrence, Mass.
D. C. Mfg. Co., supply and waste (bath), Canton, Ohio.
D. G. C. Valve Co., 296 Madison Ave., New York.
D. H. M. Plating & Enameling Works, auto bumpers, 2207 S. Main, Los Angeles, Cal.
D. M. Shock Absorber Co., Kentland, Ind.
D. P. Co. (Ry. Sup.), 30 Church St., New York.
D. & A. Post Mold Co., Three Rivers, Mich.
D. & B. Pump & Supply Co., 301 West ave., 26, Los Angeles, Cal.
D. & D. Electric Co., electric controllers, mfrs., 53 W. 3d, New York.
D. & G. Dial & Enameling Co., Waltham, Mass.
D. & J. Co., machinists, West Lafayette, Ohio.
D. & M. Cord Tire Co., see Denman-Meyers Cord Tire Co. (successors).
D. & M. Lbr. Co., Tacoma bldg., Tacoma, Wash.

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D. & T. Mfg. Co., htg. & ventg. engrs., 3001 La Salle, St. Louis, Mo.
D. & T. Mfg. Co., 1417 Olive St., St. Louis, Mo.
D. & W. Fuse Co. (See General Electric Co.), Hathaway St., Providence, R. I.
D. & W. Machine Co., Inc., 1480 Broadway, New York.
Daahl-Thoma Awning & Canvas Co., tents, 583 8th, Oakland, Cal.
Daarf Contrg. Corp., 517 W. 36th, New York.
Da Foe-Eustice Co., 4042 W. Jefferson St., Detroit Mich.
Dadant & Sons, bee keepers' supplies, Hamilton, Ill.
Dade Lumber Co., West Palm Beach, Fla.
Dadeville Cotton Oil Co., cottonseed meal, Dadeville, Ala.
Daegling & Co., A. F., (Contrs.), Chamber of Commerce Bldg., Chicago.
Daemicke, Paul J., Co., butchers' machy. & supplies, 1340 Fullerton ave., Chicago, Ill.
Daft, A. C., Oliver Bldg., Pittsburgh, Pa.
Daggett & Curry Co., shades, Waltham, Mass.
Daggett, E. P., Canning Co., Coopersville, Mich.
Daggett, R. Frost, & Co., architects, Lemcke, Annex, Indianapolis, Ind.
Daggett & Ramsdell, shaving soap, 214 W. 14th, New York.
D'Agostino, Jos., Co., contrs., 1834 Main, Bridgeport, Conn.
Dahill, F. J., Co., contractors, 217 Water, New Haven, Conn.

DAHLQUIST MFG. CO., 40 W. 3rd, South Boston, Mass.

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Dahlke Stationery & Mfg. Co., 208-16H Washington, Buffalo, N. Y.
Dahlman Constr. Co., Majestic Bldg., Milwaukee, Wis.
Dahlquist Machy. Co., 240 S. Exchange, St. Paul, Minn.
Dahlstrom, Arthur, arch., 305 Essex bldg., Minneapolis, Minn.

DAHLSTROM METALLIC DOOR CO., 413 Buffalo, Jamestown, N. Y.

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Dahnke-Walker Milling Co., flour, Union City, Tenn.
Daigger & Co., A., 54 W. Kinzie St., Chicago.
Daigle, A. F., & Son, lbr., Soldier Pond, Me.
Daigle Iron Works, 1967 W. Lafayette, Detroit, Mich.
Dail Steel Products Co., stamping works, Lansing, Mich.
Dail, W. H., Jr., brick, Greenville, N. C.
Dailey Clay Products Co., potteries, Warrenton, Ore.
Dailey, L. W., Stove Wks., Stillwater, Minn.
Dailey-Udell Co., canned goods, Brockport, N. Y.
Daily Mfg. Co., sporting goods, 432 E. 7th, St. Paul, Minn.
Daily Pacific Builder, trade publication, 818 Mission, San Francisco, Cal.
Dain Mfg. Co. of Iowa, Ottumwa, Ia.
Dairy Cream Separator Co., Lebanon, Ind.
Daisy Mfg. Co., machsts. & fndrs., Plymouth, Mich.

DAKE ENGINE CO., THE, 633 Monroe St., Grand Haven, Mich.

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New York—59 Pearl St., A. Judson Brown & Co., Inc.
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Dakota Construction Co., Grand Forks, N. D.
Dakota Iron Store Co., The, Sioux Falls, S. D.
Dakota Plaster Co., Rapid City, S. D.
Daland & Co., soap, 13 Hudson, New York.
Dalby, H. L., canned goods, San Bernardino, Cal.
Dale, Chas. M., & Co., contrs., Lebanon, Ind.
Dale Lighting Fixture Co., 107 W. 13th, New York.
Dale Machy. Co. (see Consolidated Machine Tool Corp. of Am. (successors).
Dale Machinery Co., John P., 127 3rd av., S., Nashville, Tenn.
Dale, Margaret, clothes lines, cotton mops, Arlington, Mass.
Dale, Robt., Co., desk pads & calendars, 257 S. Spring, Los Angeles, Cal.
Daleville Canning Co., Daleville, Ind.
Daley Bros. Constr. Co., Bolivar, Ohio.
Daley, Chas. & Co., contractors, Railway Exch. Bldg., Seattle, Wash.
Daley Geo. R., grading contr., San Diego, Cal.
Daley Ldry. Machy. Wks., 337 Butler, Brooklyn, N. Y.
Daley, R. A., sashes, doors & blinds, Rawlins, Wyo.
Daley, Robt. D., Co., contractors, 215 Grand ave., New Haven, Conn.
Dalk & Co., sash, door & blind mfrs., Ewing & Woodlawn, Seattle, Wash.
Dalkena Lumber Co., Dalkena, Wash.
Dall, Bowers, Inc., contractor, 298 Lafayette, Hartford, Conn.
Dall, J., Constr. Co., Grand Central Terminal, New York.
Dall Motor Parts Co., pistons, P. O. Station D, Cleveland, Ohio.
Dallas & Bertram, mill & facty. supplies, New Iberia, La.
Dallas & Nardulli, stone producers, 608 Larimer ave., Pittsburgh, Pa.
Dallas Art & Novelty Co., 1806 Main St., Dallas, Tex.
Dallas Brass & Copper Co., 820 Orleans St., Chicago.
Dallas Brass & Mfg. Co., Dallas, Tex.
Dallas Coffin Co., Dallas, Tex.
Dallas Cooperage & Woodenware Co., Dallas, Tex.
Dallas Cotton Mills, Dallas, Tex.
Dallas Fdy., Dallas, Tex.
Dallas Lbr. & Mfg. Co., Selma, Ala.
Dallas Mach. & Locomotive Works, log bunks & lumber carriers, Dallas, Ore.
Dallas Mfg. Co., cotton sheetings, Huntsville, Ala.
Dallas Oil & Refining Co., Dallas, Tex.
Dallas Show Case & Mfg. Co., Dallas, Tex.
Dallas Waste Mills, Terminal & Central Ave., Dallas, Texas.
Dallett & Co., 611-12 Harrison Bldg., Philadelphia, Pa.
Dallett Co., Thos. H., 165 N. Clearfield, Philadelphia, Pa.
Dalley, F. F., Co., shoe polishes, 277 Military Rd., Buffalo, N. Y.
Dallman & Cooper Supply Co., mill & facty. supplies, Fond du Lac, Wis.
Dallman, Chas. F., & Son, stone producers, 5816 Laflin, Chicago, Ill.
Dalton Adding Machine Co., Beech Norwood, Cincinnati, O.
Dalmo Mfg. Co., 449 Bryant St., San Francisco, Cal.
Dalrymple, H. L., canned goods, Marshfield, Mo.

DALTON ADDING MACHINE SALES CO., THE, Beech st., Norwood, Cincinnati, O.

Pres.—James L. Dalton.
V. P. & Gen. Mgr.—Chas. L. Dalton.
V. P.—Griff Glover, H. C. Grubbs, Harry Landsiedel.
Sec. & Treas.—Birney Dysart.
Sales Agencies in all principal cities of the world.

Dalton Auto. & Machine Co., Dalton, Ga.
Dalton Bros. Brick Co., Hopkinsville, Ky.
Dalton Bros., hdwe., Winston-Salem, N. C.
Dalton Excelsior Co., Dalton, Ga.
Dalton Foundry, Warsaw, Ind.
Dalton Furn. Co., Dept. H, Highpoint, N. C.
Dalton, Henry, & Sons Co., machinist, Oakland, Cal.
Dalton-Ingersoll Mfg. Co., 365 Atlantic Ave., Boston, Mass.
Dalton Mfg. Corp., lathes, Sound Beach, Conn.
Dalton Pottery Co., Dalton, Ohio.
Dalton Supply Co., plbrs. supplies, etc., Dalton, Pa.
Daly & Hannan Dredging Co., Ogdensburg, N. Y.
Daly & Hopper, cornices & skyl'ts, 1802 11th, Washington, D. C.
Daly & Merritt, contrs., Portchester, N. Y
Daly & Rutherford, cornices, Jackson, Mich.
Daly & Sons, Inc., M. J., Waterbury, Conn.
Daly Bros., Sup. & Engng. Co., steam fitters' supp., Waterbury, Conn.
Daly Furn. Co., Dept. H, Fort Smith, Ark.
Daly, J. A., brick, Nevada, Mo.
Daly, John J., Iron, Steel & Metal Co., 101 Nott ave., Long Island City, N. Y.
Daly, M., stone producers, Conshohocken, Pa
Daly Plumbing Supply Co., 93 Cummings, Boston, Mass.

Dalzell Brothers Co., 21 Holmes St., Youngstown, O.
Dalziel-Moller Co., plumbers' supplies, jobbers, 556 Mission, San Francisco, Cal.
Damas & Francis, machsts., Sonora, Cal.

DAMASCUS BRAKE BEAM CO., 1020 London Rd., Cleveland, O.
Sec.-Treas.—A. E. Adamson.
Sales, Mgr.—P. A. Martin, New York—452 Lexington, Ave., B. A. Hegeman, Jr.
O.—Cleveland, Gen. Sales Office, 202 Society for Savings Bank Bldg.

Damascus Bronze Company, 923 South Ave., Pittsburgh, Pa.
Damascus Crucible Steel Casting Co., New Brighton, Pa.
Damascus Lbr. Co., Damascus, Va.
Damascus Mfg. Co., Cassius Ave., & E. 93rd St., Cleveland, O.
Dambach, Edw., Co., lumber, Evans City, Pa.
Dame Furniture Co., Harriman, Tenn.
Dame, Melvin A., & Son Co., heaters, Lynn, Mass.
Dame, Stoddard, Co., who. hdwe., 374 Washington, Boston, Mass.
Dameron-Pierson Co., 400 Camp St., New Orleans, La.
Dameron, W. A., & Bro., canned goods, Weems, Va.
Damhorst, Wm. S., brick, Quincy, Ill.
Damm, Jos., stone producers, 1403 East, Pittsburgh, Pa.
Damon & Glenn, general machsts. & die makers, 189 High, Boston, Mass.
Damon, Arlington, machsts. & fndrs., Buckfield, Me.
Damon Bros., axe mfrs., Carmel, Me.

DAMON-CHAPMAN CO., 234 Mill St., Rochester, N. Y.
Damon Co., Leominster, Mass.
Damon, Geo., & Sons, printing presses & machy., 44 Beekman, New York.
Damon, J. F., machsts. & fndrs., Milford, Mass.
Damon Specialty Co., 516 E. 9th St., Los Angeles, Cal.
Damon, W. F., flour mills, Elkton, Ky.
Damon, Walter S., packing boxes, State Line, N. H.
Dan Patch Co., children's vehicles, Connersville, Ind.
Dan Valley Mills, flour, Danville, Va.
Dana, C. H., markers (poultry, cattle, etc.), West Lebanon, N. H.
Dana Canned Goods Co., Belpre, Ohio.
Dana Co., machsts. & fndrs., Platteville, Wis.
Dana, Geo. W., furniture, Dept. H, Camden, N. Y.
Dana Warp Mills, Westbrook, Me.
Danahy Packing Co., meat, 25 Metcalf, Buffalo, N. Y.
Danberg, C. A., Co., brass & composition fndrs., 243 Stanley, New Britain, Conn.
Danbury Hardware Co., Danbury, Conn.
Danbury Square Box Co., The, Danbury, Conn.
Dancyger Safety Pin Ticket Co., 4707 Detroit, Cleveland, Ohio.

DANDY PRONGLESS BUCKLE STRAP CO., 2326 Eighty-Third St., Brooklyn, N. Y.
Dane Machine Co., 31 Boston, Salem, Mass.
Dangler Stove Co., Division, 5017 Perkins, Cleveland, O.
Danforth Chemical Co., insecticides, Leominster, Mass.
Danforth, Eugene, spool wood, Bangor, Me.
Danforth, John W., Co., contractors, 70 Ellicott, Buffalo, N. Y.
Dangel, David, & Sons, contractors, Wilmington, Del.
Dangles, Jacob, & Son, meat packers, 722 Myrtle ave., Brooklyn, N. Y.
Daniel Contracting Co., 503 Market, San Francisco, Cal.

DANIEL, EDWARD W. (Mfrs. Turnbuckles & Wire Rope Sockets), 6525 St. Clair Ave., Cleveland, O.
Daniel, G. W., canned goods, Amburg, Va.
Daniel, Jacob, Brick Co., 4141 Clippert, Detroit, Mich.
Daniel Sons & Palmer Co., fertilizer, Millen, Ga.
Daniel, W. H., Supply Co., fertz. mfrs., Mullins, S. C.
Daniels & Lyst, contractors, Anderson, Ind.

DANIELS, INC., C. R., 114-115 South St. New York.
Pres.—James T. Trumpbour.
Sec.—Edward A. Trumpbour.
Treas.—Frederick J. Trumpbour.

Daniels, Chas. A., contrs., Adams, Mass.
Daniels, D. L., & Co., granite producers, Milford, N. H.
Daniels, Fred, fertilizer mfr., Johnsonburg, N. Y.
Daniels, Geo. A., gas ranges, 227 Fulton, New York.
Daniels, Geo. E., carriage wheels, Rowley, Mass.
Daniels Machine Co., cutting machy., Johnson, Vt.
Daniels, Moses, cornices & skylights, Brunswick, Ga.
Daniels Motor Co., The, Reading, Pa.
Daniels, Oscar, Co., contractors, iron & steel, 325 W. 29th, Chicago, Ill.
Daniels Road Oiling Co. See Daniels, H. T. (successors).
Daniels, Sam'l A., machinist, Waterville, N. Y.
Daniels, Z. C., lbr., Beckville, Texas.
Danielson & Pierce, lbr., Rhinelander, Wis.
Danielson Co., Inc., J. P., Jamestown, N. Y.
Danielson, J. C., & Co., pliers, Jamestown, N. Y.
Danis-Hunt Constr. Co., 1st & Webb, Dayton, Ohio.

DANLY MACHINE SPECIALTIES, INC., 4901 Lincoln av., Chicago.
Dann & Co., bronze bearings, 1134 Euclid, Cleveland, O.
Dann Bros. & Co., 80 Franklin st., New Haven, Conn.
Dannehl, Valentine, machsts. & fndrs., Fredericksburg, Va.
Dannenhoffer Glass Wks., 330 Himrod, Brooklyn, N. Y.
Danner, J., broom corn, Humboldt, Ill.
Danner Veneer Co., Inc., Mobile, Ala.
Danser Mfg. & Supply Co., Weston, W. Va.
Dant & Russell, Inc. (Lumber), Northwestern Bank Bldg., Portland, Ore.
Dantzler Foundry & Machine Wks., Gulfport, Miss.
Dantzler Lbr. Co., L. N., Moss Point, Miss.
Dantzler Shipbldg. & Dry Dock Co., Moss Point, Miss.
Danver, R. H., machinist, 845 Pennsylvania ave., N. S., Pittsburgh, Pa.
Danville Brick Co., Danville, Ill.
Danville Buggy Co., Danville, Ill.
Danville Canning Co., Danville, Ind.
Danville Hardware Co., Danville, Va.
Danville Iron & Steel Co., Danville, Pa.
Danville Lime & Cement Co., masons' & bldrs.' matls., Danville, Ill.
Danville Lounge & Mattress Co., Danville, Ill.
Danville Lumber & Mfg. Co., Danville, Va.
Danville Lbr. Co., Danville, Ill.
Danville Malleable Iron Co., The, Danville, Ill.
Danville Stove & Mfg. Co., Danville, Pa.
Danville Structural Tubing Co., Danville, Pa.
Danz, H., Jr., cornices & skylights, Green Bay, Wis.
Danzeisen Pckg. Co., meat packers, Decatur, Ill.
Danzer Lumber Co., Hagerstown, Md.
Danzer Metal Works, Hagerstown, Md.
Danzer, Wm. F., & Co., contractors, South Bethlehem, Pa.
Danziger & Co., Inc., E. H., 17 Madison Sq., New York.
Danziger Furn. Co., Dept. H, Shelbyville, Ind.
Danzis Co., G. (Die Maker), 47 Ann St., New York.

DAPRATO STATUARY CO., 766 W. Adams st., Chicago.
Darby & King Hdwe. Co., Florence, Ala.
Darby Boiler Works, cement dryers & steel stacks, 226 Quelrolo, Los Angeles, Cal.

DARBY & SON, EDWARD J., 319 Vine St., Philadelphia, Pa.
Darby Hardwood Lumber Co., H. W., Bank of Commerce Bldg., Memphis, Tenn.
Darby Steel Equipment Co., 1916 Germantown Ave., Philadelphia, Pa.
Darbyshire, A. J., brick, Sabina, Ohio.
Darbyshire, Harvie, Iron & Mach. Co., El Paso, Tex.
Darche Mfg. Co., 643 Washington Blvd., Chicago.

DARCOID COMPANY, asbestos products, packing, etc., 1780 Broadway, New York.
D'Arcy Advertising Co., International Life bldg., St. Louis, Mo.
D'Arcy Co., windows & frames, 44 Maple, Dover, N. H.
D'Arcy Spring Co., Kalamazoo, Mich.
Dargan Wagoner Co., lbr., Pamplico, S. C.
Dargent, Chas., glass floats, 360 Crescent, Brooklyn, N. Y.
Dark & Co., contractors, 306 Franklin, Buffalo, N. Y.
Darling & Co., 4201 S. Ashland Ave., Chicago.
Darling, C. H., mill & facty. supplies & whol. hdwe., Woonsocket, R. I.
Darling, C. P., Co., packing boxes & cloth boards, 415 Charles, Providence, R. I.
Darling, Chas., & Co., lbr., 2329 Loomis, Chicago, Ill.
Darling Co., L. H., Addison, Mich.
Darling, L. B., Fertilizer Co., Greenwood, Worcester, Mass.
Darling Lumber Co., 819 Gwynne Bldg., Cincinnati, O.
Darling Machine Co., machsts. & fndrs., 1911 St. Clair, N. W., Cleveland, Ohio.
Darling, O. J., & Co., plumbers' pumps, 372 Kirby ave., W., Detroit, Mich.
Darling-Slade Constr. Co., Newport, R. I.
Darling Valve & Mfg. Co., Williamsport, Pa.
Darlington Brick & Mining Co., 6366 Frankston St., Pittsburgh, Pa.
Darlington Brick & Mining Co., Darlington, Pa.
Darlington Clay Products Co., Darlington, Pa.
Darlington Fertilizer Co., Darlington, S. C.
Darlington's, M., Sons, canned goods, Pomeroy, Pa.

DARLOW ADV. AGENCY, 801-812 World Herald Bldg., Omaha, Neb.
Darnell-Love Lbr. Co., Leland, Miss.
Darnell, R. J. (Inc.), Bank of Commerce Bldg., Memphis, Tenn.
Darnell Son Co., I. M., McLemore & Y. & M. V. R. R., Memphis, Tenn.
Darr J. M., & Sons, Planing Mill Co., 1317 Kentucky ave., St. Louis, Mo.
Darragh, Small & Co. (Ltd.), cocoanut oil, cocoa mats, 177 Water, N. Y. City.
Darrah Lumber Co., R. F., Meridian, Miss.
Darrah Milling Co., flour, Big Rapids, Mich.
Darrin, D. H., rheostats, 154 Grand, New York.
Darrow & Comstock Co., mill & facty. supplies, New London, Conn.
Darrow, F. H., Steel Boat Co., Albion, Mich.
Darsie Mfg. Co., auto lights, 121 W. 35th, Los Angeles, Cal.
Darst, Otto C., contrs., 186 E. Broad, Columbus, Ohio.
Dart, H. W., lumber, Dartford, Wash.
Dart, Jas. A., & Son, cornices, Port Huron, Mich.

DART MFG. CO., E. M., unions, 134 Thurbers av., Providence, R. I.
Dart Truck & Tractor Corp., Waterloo, Ia.
Darting & McGavren, canned goods, Glenwood, Ia.
Darwin & Milner, Inc., 138 Park Row, New York.
Dary Ring Traveler Co., The, Taunton, Mass.
Date, John, Montreal, Can.
Datz, Albert Co., advtg. novelties, Jersey City, N. J.
Datz, Chas. F., Co., packing box mfrs., Cabot & York, Philadelphia, Pa.
Daube & Hopken, balances, assay & analytical, 39 Carlton ave., Jersey City, N. J.
Daubenmire, C. E., drain tile, Union City, Ind.
Daubenspeck Chain Co., 213-217 First St., Butler, Pa.
Dauber Bell Mach. Co., Oshkosh, Wis.
Dauber-Kratsch Co., 199 Marion St., Oshkosh, Wis.
Dauch Heating & Engineering Co., 1009 E. 9th St., Los Angeles, Cal.
Dauch Manufacturing Co., Sandusky, O.
Dauchy Co., Chas. H. Troy, N. Y. (Paints & Lub. Oils).
Dauchy Iron Works, 223 W. Illinois St., Chicago.
Daudy, Oliver, contr., Findlay, Ill.
Daugherty Bros., Hdwe. Co., whol. hdwe., Wellington, Ohio.
Daugherty Fdry. Co., 315 Cedar st., Allentown, Pa.
Daugherty-Smith-Phillips Co., (Drills), 1537 Cortland Ave., Chicago.
Daugherty, W. D., watchmen's clocks, 138 9th, Pittsburgh, Pa.
Daugherty, W. E., gas machs., etc., Princeton, Ind.
Daugherty, W. H., & Son, petroleum, Petrolia, Pa.
Dauley & Wright, stone producers, Onconta, N. Y.
Daum & Helm Hdwe. Co., whol., 623 Ohio, N. S., Pittsburgh, Pa.
Daum, A. F., fuses, plugs & shells, 1157 Hodgkiss, Pittsburgh, Pa.
Dauphin Elec. Supp. Co., 434 Market St., Harrisburg, Pa.
Dauphin, Wm., Bronze & Iron Wks., 141 W. 33d, New York.
Dauplais, A., bldg., contr., Superior, Wis.
Daus Duplicator Co., Felix F., 174 Wooster, New York.
Dautel, L., & Son Co., contractor, 5710 Hough ave., N. E., Cleveland, Ohio.
Dautremont, Frank, brick, Monticello, Ia.
Davenport & Keeler, chemists, 23 Walnut, New Britain, Conn.
Davenport, A. H., Co., furniture, 57311, Boston, Mass.
Davenport Bedding Co., mattresses, Davenport, Iowa.
Davenport Brick & Tile Co., Davenport, Ia.
Davenport Brown Co., Interior hardwood, Somerville, Mass.
Davenport Brown Co., sash, door & blind mfrs., Somerville, Mass.
Davenport Granitoid Co., Davenport, Ia.
Davenport, Harry C., founders, Blissfield, Mich.
Davenport Implement Co., 110 W. Los Angeles, Los Angeles, Cal.
Davenport, John, Co., machsts. & fndrs., Stamford, Conn.
Davenport, L. M., Co. See Davenport Implt. Co. (successors).
Davenport Ladder Co., Davenport, Ia.
Davenport Locomotive Wks., Davenport, Ia.
Davenport Machine & Fdry. Co., Davenport, Ia.
Davenport Machine Tool Co., 167 Ames St., Rochester, N. Y.
Davenport Mfg. Co., baling presses, State & Bettendorf, Bettendorf, Iowa.
Davenport Mfg. Co., Davenport, Ia.
Davenport Mfg. Co., The, now the McCrosky Tool Corp. Meadville, Pa.
Davenport, Mart., & Co., htg. contrs., Lockport, N. Y.
Davenport-Paine Co., lbr. mfrs., Hoquiam, Wash.
Davenport Pearl Button Co., Davenport, Ia.
Davenport Planter Co., Wheaton, Ill.
Davenport-Treacey Piano Co., 626 W. 51st St., New York.
Daves, B. E., Electric Co., machy. dlrs., 75 Front, Portland, Ore.
Davey & Co., E. H., Davey's Lane, Bloomfield, N. J.
Davey & Sons, W. O., 164 Laidlaw Ave., Jersey City, N. J.
Davey Fibre Products Co., cardboard, gaskets, 95 Boyd ave., Jersey City, N. J.
Davey, John H., granite tools, New London, Conn.
Davey Specialty Co. See Sharples Milker Co. (successor).
Davey Tree Expert Co., Inc., (Tree Surgery), Kent, O.
Davia Bros. Marble Co., floor mosaics, 2410 S. La Salle, Chicago, Ill.
David, J. Joseph, Co., scrap metal, 1234 Harrison, Cincinnati, O., & 332 S. Michigan ave., Chicago, Ill.
David, P. C., castings & grate bars, Sharon Bldg., San Francisco, Cal.
Davidheiser, F. B., brick, Pottstown, Pa.
Davidoff, J., mchy., guards & safety devices, 733 Lafayette ave., Brooklyn, N. Y.
Davids Bros., Inc., sealing wax & wood cements, 213 Centre St., New York.
Davids, Thaddeus, Ink Co., 97 Vandam, New York.
Davidson & Stevenson Porcelain Co., insulators, East Liverpool, Ohio.
Davidson, Chas., elec. & gas light fixtures, Osborne Tr., Newark, N. J.
Davidson, Chas. E., portable grain elevator, Eureka, Ill.
Davidson Commission Co., fullers' earth, 140 W. Van Buren, Chicago, Ill.
Davidson Company, M. T., 154 Nassau St., New York.
Davidson Construction Co., 1445 E. 16th, Los Angeles, Cal.
Davidson, D. H., pckg. box mfrs., 2040 Fitzwater, Philadelphia, Pa.
Davidson-Dietrich Plow Co., 402 1st, Evansville, Ind.
Davidson-East Molyneaux Co., flour mills, Rockwood, Tenn.
Davidson Fan Co., Newton, Mass.
Davidson Granite Co., Lithonia, Ga.
Davidson Hdwe. Co., Dept. H, Beaver Falls, Pa.
Davidson Htg. & Constr. Co., Hanover, Pa.
Davidson, Hicks & Greene Co. (Lumber), 100 Russell st., Nashville, Tenn.
Davidson, J. L., Co., office fixtures, metallic furn., etc., 644-48 Mateo, Los Angeles, Cal.
Davidson, James, Bay City, Mich.
Davidson-Kennedy Co., cotton seed separating machy., 872 N. Ashby, Atlanta, Ga.
Davidson, Leroy S., & Co., lbr., Camden, S. C.
Davidson-Lewis Metal Products Co., 217 Broadway, New York.
Davidson Lumber & Cedar Co., Second Natl. Bk. Bldg., Toledo, O.
Davidson-Lynch & Co., Carter Bldg., Houston, Tex.
Davidson, M., scrap iron, 740 N. East, Stockton, Cal.
Davidson, M. I., Co., hair cloth mfrs., 1100 Shackamaxon, Philadelphia, Pa.
Davidson Mill & Elevator, flour, Muskogee, Okla.
Davidson Ore Mining Co., White Bldg., Buffalo, N. Y.
Davidson, Peter, McLeod, contr., Galesburg, Ill.
Davidson Pipe & Iron Co., second-hand pipe, 436 Kent Ave., Brooklyn, N. Y.
Davidson Porcelain Co., E., Liverpool, O.
Davidson, Richard Co., dock bldr., New London, Conn.
Davidson Rubber Co., Boston, Mass.
Davidson Tool Mfg. Corp., The, 122 Maiden Lane, New York.
Davidson, U. B., carriages, Springfield, Ill.
Davidson, V., Furn. Co., 15th W. & Emerson, Seattle, Wash.
Davidson, W. H., dry docks, New London, Conn.
Davidson, W. J., & Sons. See Davidson Hdwe. Co. (successors).
Davie, J. T., Brick Co., common, Spokane, Wash.
Davie Tool Co., 1660 E. 118th St., Cleveland, O.
Davies & Co., Ltd., Theo. H., 310 Sansome, San Francisco, Calif.
Davies & Thomas Co., 342 Madison av., New York.
Davies Box & Lbr. Co., Blairsden, Cal.
Davies Can Co., 872 E. 72d, Cleveland, O.
Davies, Edgar W., canned goods, Leesburg, N. J.
Davies, Frank, Canal Commercial Bldg., New Orleans, La.
Davies, John G., machinist, Sacramento, Cal.
Davies, John J., & Co., steel struct. dlrs., 20th & Clearfield, Philadelphia, Pa.
Davies, K. M., Co., canned goods, Williamson, N. Y.
Davies Supply Co., The, 412 W. Ontario St., Chicago.

DAVIES & THOMAS CO., Catasauqua, Pa.
Davies-Turner & Co., 111 W. Monroe St., Chicago.
Davies Typewriter Exchange, 171 N. Dearborn St., Chicago.
Davies-Young Soap Co., Findlay & R. R., Dayton, Ohio.
D'Avignon, Francis P., stone producers, New London, Conn.
Davin, J. J., drilling tools, Washington, Pa.
Davis & Andrews Co., flour mills, U. & P. Bk. bl., Memphis, Tenn.
Davis & Brooks. See Brooks, W. F. (successors).
Davis & Coleman Co., Inc., contrs., Binghamton, N. Y.
Davis & Company, S., Pittsburgh, Pa.
Davis & Co., H. B., 1600 Bayard St., Baltimore, Md.
Davis & Co., M. S. (Lthr. Gds.), 224 N. Wells St., Chicago.
Davis & Farnum Mfg. Co., Waltham, Mass.
Davis & Furber Machine Co., North Andover, Mass.
Davis & Geck, cat-gut, 221 Duffield, Brooklyn, N. Y.
Davis & Hemphill, Elkridge, Md.
Davis & Hopkins Lumber Co., Princeton, Ill.
Davis & Lippincott, canned goods, Woodstown, N. J.
Davis & McLane Mfg. Co., tex. machy., supplies, roll covers, 66 Troy, Fall River, Mass.
Davis & Millbery, contrs., Zanesville, Ohio.
Davis & Mowrey, Masons' & bldrs.' matls., Spring City, Pa.
Davis & Sargent Lbr. Co., Lowell, Mass.
Davis & Son, Chas. P., Utica, N. Y.
Davis & Son, G. M., Palatka, Fla.
Davis & Sons, W., 333 Market st., San Francisco, Calif.

DAVIS & SONS CO., J. F., Stopshok Wheel Division, West De Pere, Wis.
Pres. & Treas.—J. F. Davis.
V. P.—Chas. Johnsen.
Sec.—J. E. Davis.
Works: West DePere, Wis.

Davis & Siehl Co., The, 4032 Hamilton, Cincinnati, O.
Davis & Thompson Co., milling machines, 251 Reed, Milwaukee, Wis.
Davis & Webb, contrs., Tampa, Fla.
Davis & Younger Oklahoma City, Okla.
Davis, A. C., Lbr. Co., Columbus, Ohio.
Davis, A. L., Son, agric. imps., Binghamton, N. Y.
Davis Acetylene Co., 90 Prospect, Elkhart, Ind.
Davis, B. E., Electric Co., machy. dealers, 75 Front, Portland, Ore.

Davis, B. F., & C. M. Co., contrs., Fort Worth, Tex.
Davis Bar Harbor Buckboard Co., carriages, Bar Harbor, Me.
Davis Boring Tool Company, 2718-24 Forest Park Blvd., St. Louis, Mo.

DAVIS BRAKE BEAM COMPANY Laurel Ave. & Penna. Railroad, Johnstown, Pa.
Pres.—Frank J. Lanahan.
V. P.—George Ladd.
Sec.—George W. Fox.
Treas.—P. J. Meehan.
Gen. Mgr.—Chas F. Perkins.

General Sales Office:
PA.—Pittsburgh—F. E. Fowler, Jr., 1602 Oliver Bldg.

Sales Offices:
ILL.—Chicago—1313 Peoples Gas Bldg.
MO.—St. Louis—294 Arcade Bldg.
VA.—Roanoke—John R. Hayward, First National Bank Bldg.

Davis-Birely Table Co., Shelbyville, Ind.
Davis-Bournonville Co., oxyacetylene welding & cutting apparatus, Van Wagner Ave., Jersey City, N. J.
Davis Bros., contractors, Richmond, Va.
Davis Bros., cornices & skylights, 204 Dilworth, Pittsburgh, Pa.
Davis Bros., flour mills, Smyrna, Tenn.
Davis Bros., monuments, Riverton, Vt.
Davis Bros. Lbr. Co., Ltd., Ansley, La.
Davis Bros., Stone Co., Lannon, Wis.
Davis Brothers, 4250 Wissa st., Philadelphia, Pa.
Davis, C. E., Mach. Co., engine lathes, special mach. & key seating tools, 133 Andrews, Rochester, N. Y.
Davis, C. E., Packing Co., fertilizer mfrs., Fleeton, Va.
Davis, C. H., & Co., Inc., meat packers, Norwich, Conn.
Davis, C. L., elec. contr., Whittier, Cal.
Davis, C. M., & Co., woolen flannels, Northfield, Vt.
Davis, C. R., Co., leather belting, 418 Boyd, Los Angeles, Cal.
Davis Chair Co., Marysville, O.
Davis, Chas. E., Fdry. Co., grey iron castings, Rutland, Vt.
Davis Coal & Coke Co., Continental Bldg., Baltimore, Md.
Davis Co., Louis N., West Chester, Pa.
Davis Construction Co., Casualty bldg., Macon, Ga.
Davis Const. Co., htg. contrs., 150 W. Austin Ave., Chicago, Ill.
Davis, E., lbr., Hawes, Ark.
Davis, E. C., & Co., machinists, Seneca Falls, N. Y.
Davis, E. J., Machy. Works, mill & facty. supplies, Burlington, Vt.
Davis, E. T., & Son, contrs., 398 Bridge, Springfield, Mass.
Davis, Edw., H. Lewis, George M. D., architects, Union Bank bldg., Scranton, Pa.
Davis, Emry, inks, inkstands, 153 Hudson, New York.
Davis, F. H., machinist, Cambridge, Mass.
Davis Fire Brick Co., Oak Hill, O.
Davis Foundry Co., Chas. E., Rutland, Vt.
Davis Foundry Co., Hornell, N. Y.
Davis Foundry Co., Lawrence, Mass.
Davis Foundry & Machine Wks., Rome Ga.
Davis, Frank E., Fish Co., packers, Gloucester, Mass.
Davis, Garfield W., 18 S. 7th St., Philadelphia, Pa
Davis, G. M., Regulator Co., 434 Milwaukee Ave., Chicago, Ill.
Davis, G. R., cornices & skylights, Paducah, Ky.
Davis, G. Richard, & Co., contrs., 30 E. 42nd, N. Y.
Davis, Geo. A., Construction Co., 938 Riverside Dr., South Bend, Ind.
Davis, Geo. H., Blue Springs, Neb.
Davis-Hansen Pump Co., Oshkosh, Wis.
Davis Hardware Co. See Superior Mfg. Co. (successor).
Davis Hardwood Co., Bay & Mason, San Francisco, Cal.
Davis-Heller-Pierce Co., contrs., Delta Bldg., Stockton, Cal.
Davis, Herbert M., machsts. & fndrs., Dover, N. H.
Davis, Horwich & Steinman, bedstead mfrs., 2236 La Salle, Chicago, Ill.
Davis, Howe & Co., machsts. & fndrs., Salt Lake City, Utah.
Davis, Hunt & Collister Co., hdwe. merchants, 2056 Ontario, Cleveland, Ohio.
Davis Instrument Mfg. Co., 110 W. Fayette St., Baltimore, Md.
Davis, J. H., cream separators, Sparta, Wis.
Davis, J. H., & Son, lumber, Kathleen, Ga.
Davis, J. L., & D. M., lbr., Kerlin, Ark.
Davis J. T., Mead, W. N., Spokane, Wash.
Davis, Jas. & Son, machsts., 463 Pacific Ave., Jersey City, N. J.
Davis, James G., & Co., contr., 956 Ellicott sq., Buffalo, N. Y.
Davis, Jno., cornices, 170 Court, Brooklyn, N. Y.
Davis, John B., ladders, ironing boards, curtain stretchers, Clinton, Me.
Davis, Jos. S., machsts. & fndrs., Omaha, Neb.
Davis, K. A. Mfg. Co., spark timers, 167 13th, Oakland, Cal.
Davis-Klaber Co., wool pullers, 605 No. 3rd, Newark, N. J.
Davis, L. D., fndrs., Wilmington, Del.
Davis, L. E., machst. & fndr., Hinckley, Ill.
Davis Lumber Co., Dwight, 310 S. Michigan Ave., Chicago.
Davis Lumber Co., Shamokin, Pa.
Davis Lumber Co., Henry D., Northwestern Bank Bldg., Portland, Ore.
Davis Lumber & Planing Mill Co., sash, door & blind, Christiana, Pa.
Davis-Lynn Storage Battery Mfg. Co., Lynn, Mass.
Davis, M. B., turpentine, Farmdale, Fla.
Davis, M. L., lumber mfr., Oak Grove, Ala.
Davis, M. M., & Son, ship bldrs., Solomons, Md.
Davis, M., & Sons, machsts., Salem, Ohio.
Davis Mach. & Motor Co., Inc., second hand motors, 59 Mechanic, Newark, N. J.
Davis Mach. Shop, Rock Island, Ill.
Davis Machine Co., C. F., 133 Andrew St., Rochester, N. Y.
Davis Mfg. Co., 137 Freeman St., Brooklyn, N. Y.
Davis Mfg. Co., Clinton, Me.
Davis Mfg. Co., furniture, 68 Orchard, San Jose, Cal.
Davis Mfg. Co., tractor motors, 57th & Mitchell, Milwaukee, Wis.
Davis Marble Co., floor mosaics, 80 E. Jackson Boul., Chicago, Ill.
Davis Mill Co., flour, Galesville, Wis.
Davis Motor Car Co., G. W., Richmond, Ind.
Davis, N. Frank, mill & facty. supplies, 2873 Highland Ave., Fall River, Mass.
Davis, N. R., & Sons, machsts. & fndrs., Assonet, Mass.
Davis, Norris K., concrete mixers & machy., steam rollers, road machy., etc., 400H 7th, San Francisco, Cal.
Davis, O. C., Co., steam fitters' supplies, Racine, Wis.
Davis, O. L., canned goods, Park Rapids, Minn.
Davis, O. L., Lumber Co., Trinidad, Colo.
Davis Packing Co., E. C., Fleeton, Va.
Davis Paper Co., 1thr. boards, Contoocook, N. H.
Davis Paper Co., West Hopkinton, N. H.
Davis Planing Mill Co., sashes, doors & blinds, Springfield, Mo.
Davis Process Co., 10-12 Powers St., Brooklyn, N. Y.
Davis Products Co., E. M. (Soap), 1315 Carroll Ave., Chicago.

DAVIS REGULATOR CO., G. M., 434 Milwaukee Ave., Chicago.
Pres.—G. C. Davis.
Sec.—J. C. Kinsley.
New York—71 Fulton St., H. A. Freeman.

Davis, Rodney, 624 Race St., Philadelphia, Pa.
Davis, S. H., Co., mill & facty. supplies & wholesale hdwe. & auto motor supplies, 63 Portland, Boston, Mass.
Davis Scott Belting Co., see Pacific Asbestos & Supply Co. (successor).
Davis Sewing Machine Co., 130 S. Ludlow st., Dayton, O.
Davis Slate & Mfg. Co., 618 E. 40th St., Chicago.
Davis Smith Co., business greeting cards, 186 Lincoln, Boston, Mass.
Davis-Smith Co., contractors, 516 Federal, Pittsburgh, Pa.
Davis Sons, David, 45 Warren St., New York.
Davis-Speyer Co., sashes, doors & blinds, Hoboken, N. J.
Davis Springs Co., Inc., flour, Hiddenite, N. C.
Davis Sulphur Ore Co., 65 Wall, New York.
Davis, Thos., & Sons, buttons, 103 Oliver, Newark, N. J.
Davis Trap Rock Works, stone producers, City Center Bldg., Philadelphia, Pa.
Davis Upholstering & Furniture Co., 1200 E. 8th, Los Angeles, Cal.
Davis, W. A., Contrg. Co., Joliet, Ill.
Davis, W. Benj., Brick Co., Richmond, Va.
Davis, W. M., Stave Co., 400 Wisconsin, Memphis, Tenn.
Davis, W. T., & Co., machinists, Comstock, Mich.
Davis, W. W., glass stainers, 3922 Olive, St. Louis, Mo.
Davis Warehouse Co., Columbus, Ga.
Davis-Warner Arms Corp., gun, pistol & revolver mfrs., 96 Chambers, New York.
Davis-Watkins Dairymen's Mfg. Co., 11 S. La Salle St., Chicago.
Davis-Watson Mfg. Co., flanges, flashings, roofs, Nashua, N. H.
Davis Welding & Mfg. Co., The, 1110 Richmond st., Cincinnati, O.
Davis, Wm. A., Co., inks, mucilage, etc., 40 Batterymarch, Boston, Mass.
Davis, Wm. D., carriages, Lockport, N. Y.
Davis, Wm. E., & Co., brick, Benton Handn, New Haven, Conn.
Davis, Z. B., Corp., contractors, 668 Acushnett, New Bedford, Mass.
Davis-Zirkle Lbr. Co., Zirkle, Ga.
Davisboro Fertilizer Co., Davisboro, Ga.
Davison & Jones, contractors, Malden, Boston, Mass.
Davison Chemical Co., Garst Bldg., Baltimore, Md.
Davison Co., Allen S., Oliver Bldg., Pittsburgh, Pa.

DAVISON GAS BURNER & WELDING CO., INC., N. C., 2939 Smallman St., Pittsburgh, Pa.
Pres.—N. C. Davison.
V. P.—M. E. Kuhn.
Sec. & Treas.—F. F. Davison.
Mgr.—M. E. Kuhn.

Davison Htg. & Cons. Co., Hanover, Pa.
Davison Lumber Co., Grand Cent. Terminal, New York
Davison-Namack Fdry. Co., Ballston Spa. N. Y.
Davisson, O. J., macht. & fndr., Mechanicsville, Ia.
Davisson, R. R., Contracting Co., Monrovia, Cal.
Davitt Iron Fdry., 191 Liberty, Springfield, Mass.
Davol Mills, cotton sheetings, 296 Hartwell, Fall River, Mass.
Davol Rubber Co., 69 Point St., Providence, R. I.
Davoren Brass & Machine Works, 1241-12th St., Denver Colo.
Davy & Co., wood handles, Evart, Mich.
Davy Automatic Fire Escape Co., 117 W. Taylor, Syracuse, N. Y.
Davy, W. H. & Son Co., racing shells, Cambridge, Mass.
Daw Mfg. Co., loose leaf binders, coin bags, etc., 312 N. 2d. St. Louis, Mo.
Dawes Electric Sign & Mfg. Co., Arrott Power Bldg., Pittsburgh, Pa.
Dawkins Bros. Co., lbr., Ironton, Ohio.
Dawkins Lumber Co., Ashland, Ky.
Dawley Furn. Co., Dept. H, Charleston, W. Va.
Dawn Lbr. Co., Auberry, Cal.
Dawson & Co., Ltd., Winnipeg, Man., Can.
Dawson, Albert, corset laces, Pawtucket, R. I.
Dawson, Alex. A., contractor, Yonkers, N. Y.
Dawson, B. C., brick, Jefferson City, Mo.
Dawson Bros., 515 N. Halsted St., Chicago.
Dawson Bros., contractors, Syracuse, N. Y.
Dawson, Chas. W., machst. & fndr., Elwood, Ind.
Dawson, J. R., Mfg. Co., carpet & egg beaters, cork screws, etc., 168 W. Master, Philadelphia, Pa.
Dawson, Mfg. Co., grease cups, 2012 Larrabee, Chicago, Ill.
Dawson Milling Co., flour, Dawson Springs, Ky.
Day & Co., James B., 224-6 W. Superior St., Chicago.
Day & Frick, soap, 1760 N. Howard, Philadelphia, Pa.
Day & Holt Co., cornices, Catskill, N. Y.
Day & Maddock Co., Winslow Ave., N. W. R. R., Cleveland, O.
Day & Son, Dexter D., Ira, Vt.
Day & Night Solar Heater Co., Monrovia, Cal.
Day & Sachs, contrs., Dept. H, 35th & 26th Sts., Birmingham, Ala.
Day & Zimmermann, Inc. (Engineers), 16th & Walnut sts., Philadelphia, Pa.
Day, B. T. & S. P., Co., varnish mfrs., 2394 Canal rd., Cleveland, Ohio.
Day, Beaner Wade, Esq., archit., Pioneer bldg., St. Paul, Minn.
Day, Bergwall Co., sweeping compounds, 289 E. Water, Milwaukee, Wis.
Day Chemical Co., Westline, Pa
Day Co., mechanical dust collectors, 1004 Lyndale, Minneapolis, Minn.
Day Co., J. H., 1144 Harrison Ave., Cincinnati, O.
Day Co., Thos., 725 Mission, San Francisco, Calif.
Day-Elder Motors Corp., 20 Colt St., Newark, N. J
Day, Geo. F., spark plugs, 21 Haverhill, Boston, Mass.
Day, Geo. F. & Son, feed water filters & heaters, Rialto bldg., San Francisco, Cal.
Day-Gormley Leather Co., 195 South, Boston, Mass.
Day, H. L., Sons & Co., mattresses, Bangor, Me.
Day, H. P. & E., hard rubber, Seymour, Conn.
Day, John, Rubber & Supply Co., mill & facty. supplies, Omaha, Neb.
Day, John W., & Son, contractors, Gloucester, Mass.
Day-Kloeckler Bldg. Co., Greenville, S. C.
Day Light Co., paint mfrs., 18 S. 7th St., Philadelphia, Pa.
Day Lumber Co., Big Lake, Wash.
Day Lumber Co., Seattle, Wash.
Day Machinery Co., 64 Exchange St., Buffalo, N. Y.
Day Mfg. Co., S. A., 10-12 Pearl St., Buffalo, N. Y.
Day, Rubber Co., 415 N. 4th st., St. Louis, Mo.
Day, Stephen, & Son, contractors, New Albany, Ind.
Day, T. J., stone, Butler, Mo.
Day, W. J., screw machine products, Forestville, Conn.
Day, Wm. M., lumber mfr., Salisburg, Md.
Daydark Specialty Co., cameras, 2823 Benton, St. Louis, Mo.
Daykin Bros., machsts. & fndrs., 1949 Columbus Rd., Cleveland, Ohio.
Dayton Air Brush Co. (now Simons Paint Spray Brush Co.), 17 Maryland Ave., Dayton, O.
Dayton Art Glass Works, 400 E. 1st St., Dayton, O.
Dayton Automobile Wheel Co., Dayton, Ohio.
Dayton Beater & Hoist Co., 26 N. Canal St., Dayton, Ohio.
Dayton Blank Book & Printing Co., W. 5th Ave., Dayton, O.
Dayton Body & Cabinet Co., Dayton, O.
Dayton Bronze Bearing Co., The, Keowee opp. Valley, Dayton, O.
Dayton Coal, Iron & Railway Co., Dayton, Tenn.

DAYTON BEATER & HOIST CO., paper mill beating engines, rendering tanks, head gates & hoists, 24 N. Canal, Dayton, Ohio.

Dayton Builders' Supply Co., Dayton, Ohio.
Dayton Casket Co., Dayton, Ohio.
Dayton Castings Co., machsts. & fndrs., Dayton, Ohio.
Dayton D., Handle Co. See Dayton Handle & Golf Co. (successors).

DAYTON-DOWD CO., pumps, 365 York st., Quincy, Ill.
Branch Offices:
ALA.—Birmingham—Moore Handley Hard Co.
CAL.—Los Angeles—704 American Bank Bld., Main 6312.
San Francisco—106 Rialto Bldg., Sutter 5749.
COLO.—Denver—Mining Exchange Bldg., Champa 6662.
GA.—Atlanta—Hurt Bldg., Ivy 1464.
ILL.—Chicago—30 N. Michigan Blvd., Randolph 4720.
KY.—Louisville—213 Realty Bldg.
LA.—New Orleans—734 Whitney Central Bldg., Main 6822.
MD.—Baltimore—Equitable Bldg., 2583.
MASS.—Boston—10 High St., Congress 4798.
MICH.—Detroit—242 Larned St., West.
MINN.—St. Paul—Pioneer Bldg., Cedar 1016.
MO.—Kansas City—1105 Waldheim Bldg., Main 0260.
St. Louis—2211 Olive St., Bomont 130.
N. Y.—New York—90 West St., Rector 7076.
N. C.—Charlotte—814 Realty Bldg.
O.—Cincinnati—802 Mercantile Library Bldg. Main 486.
Cleveland—Kirby Bldg., Main 1417.
ORE.—Portland—806 Lewis Bldg., Broadway 4805.
PA.—Philadelphia—1304 Pennsylvania Bldg., Spruce 2138.
Pittsburgh—809 Keenan Bldg., Smithfield 1786.
TENN.—Memphis—211 Bank of Commerce Bldg., Main 2316.
UTAH—Salt Lake City—819 McIntyre Bldg., Wasatch 3853.
VA.—Richmond—Va. Railway & Power Bldg.

Foreign:
Toronto, Ont., Can.—1902 Kent Bldg.
Winnipeg, Man., Can.—85 Water St.

Dayton Elec. Car Co., stor. battery trucks, Dayton, Ohio.
Dayton Electrical Mfg. Co., dynamos, motors, etc., Dayton, Ohio.
Dayton Engine Wks., Dayton, Ohio.
Dayton Engineering Laboratories Co., 329 E. 1st St., Dayton, O.
Dayton Fan & Motor Co., Mont. & Meigs, Dayton, O.
Dayton Fare Recorder Co., The, Dayton, O.
Dayton Folding Box Co., 2727 Spring Grove Ave., Cincinnati, O.
Dayton Friction Toy Wks., Dayton, Ohio.
Dayton Globe Iron Works Co., Dayton, Ohio.
Dayton Grinding Wheel Co., Summit & Engley, Dayton, O.
Dayton Handle & Golf Co., Dayton, Ohio.
Dayton Ignition Co., Eaker Bldg., Rayton, O.
Dayton Iron & Metal Co., scrap iron & rubber, Dayton, Ohio.
Dayton Iron & Steel Co., The, 119 E. 3rd St., Dayton, O.
Dayton Last Wks., shoe lasts, Dayton, Ohio.
Dayton Lens & Glass Beveling Works, 257 Hopeland, Dayton, Ohio.
Dayton Lumber Mfg. Co., Dayton, O.
Dayton Mach. Products Co., dies, tools, etc., Dayton, Ohio.
Dayton Malleable Iron Co., The, Clinton & Bacon Sts., Dayton, O.
Dayton Mfg. Co., The, 2240 E. Third St., Dayton, O.
Dayton Mechanical Tie Co., 704 Commercial Bldg., Dayton, O.
Dayton Milling Co., flour, Dayton, Tenn.
Dayton Milling Co., rye flour, Towanda, Pa.
Dayton Moneyweight Scale Co., Dayton, O.
Dayton-Oldham Granite Wks., stone producers, Mason City, Ia. (tr.).
Dayton Paper Novelty Co., 1126 E. 3d St., Dayton, O.
Dayton Pipe Coupling Co., Edmond & R. R., Dayton, O.
Dayton Plating & Mfg. Co., Dayton, Ohio.
Dayton Pneumatic Tool Co., Miami Chapel Rd., Dayton, O.
Dayton Pump & Mfg. Co., Webster St., Dayton, O.
Dayton Reliance Tool & Mfg. Co., Dayton, Ohio.
Dayton Rubber Mfg. Co., 212 N. Main St., Dayton, O.
Dayton Specialty Mach. Co., Dayton, Ohio.

DAYTON STAMP & STENCIL WORKS CO., THE, 115 E. Second st., Dayton, O.

Dayton Steel Foundry Co., S. Broadway, Dayton, O.
Dayton Stencil Wks., Dayton, Ohio.
Dayton Supply Co., 439 E. 1st St., Dayton, O.
Dayton Toy & Specialty Co., poultry fountains, Dayton, Ohio.
Dayton, W. B., & Son, htg. contrs., 258 Schermerhorn, Brooklyn, N. Y.
Dayton Welding Co., 13 S. St. Clair, Dayton, O.
Dayton, Wm. H., machst. & fndr., North Harpersfield, New York.
Dayton Wire Wheel Co., Dayton, Ohio.
Dayton Wright Airplane Co., Dayton, Ohio.
Dayton's Soap Mfg. Co., Millville, N. J.
Dazey Churn Mfg. Co., 4301 Warne, St. Louis, Mo.
Dazey Manufacturing Co. (The), flower holders, 839-43 E. 31st, Los Angeles, Cal.
Deacon Bros., granite, S. Quincy, Quincy, Mass.
Deacon, D., cornices & skylights, Stoughton, Mass.

Deacon, J. C., & Co., lumber mfrs., 2627 S. Robey St., Chicago, Ill.
Deacon, R. O., Inc., masons' mtls., 1810 Los Angeles, Fresno, Cal.
Deacon, Walter & Co., granite, S. Quincy, Quincy, Mass.
Deacy, Wm. H., 500 5th Ave., New York.
Deadwyler, A. B., fertilizer, Commerce, Ga.
Deady, P. F., cornices, 601 N. 7th, Terre Haute, Ind.
Deagan, J. C., 1770 Berteau Ave., Chicago.
Deal Curtiss Lbr. Co., Inc., Coal Fire, Ala.
Deal Electric Co., Inc., Christmas tree outfits, 453 Broome, New York.
Deal Island Packing Co., canned goods, Deal Island, Md.
Deal Lumber Co., Buhl, Ala.
Deal Saw Mills Co., Inc., Tuscaloosa, Ala.
Dealers Refrigerator Co., 446 6th, San Francisco, Cal.
Dealers Steam Packing Co., Palmyra, N. Y.
Dealherage & Lyon, 1190 Ocean Ave., Long Beach, Cal.
Deamude Machine Co., machsts. & fndrs., 2005 Oregon, Cleveland, Ohio.
Dean & Barry Co., 296 N. Water St., Columbus, O.
Dean & Blake htg. contractors, 668 Fulton, Brooklyn, N. Y.
Dean & Williams Co., children's vehicles & garment hangers, 4317 Elston Ave., Chicago, Ill.
Dean Bros. Steam Pump Works, 323 W. 10th St., Indianapolis, Ind.
Dean, C. P., Corp., store fixtures, Richmond, Va.
Dean Forging Co., Muncie, Ind.
Dean, H. C., cornices & skylights, Vassar, Mich.
Dean-Hicks Co., The, Elsworth St., S. W. Grand Rapids, Mich.
Dean, Jno. M., Corp., talking machine needles, pins, Putnam, Conn.
Dean Mill Co., flour, Ava, Ill.
Dean, O. J., & Co., ventilating app., 179 W. Washington, Chicago, Ill.
Dean, O. M., & Sons, corn brooms & steel wire brushes, 218 Summer, Worcester, Mass.
Dean Reversible Window Co., 553 Brannan, San Francisco, Calif.
Dean, Ruth, landscape architect, 150 E. 61st St., N. Y.
Dean, Silas, & Son, rye & buckwheat flour, Oak Hill, N. Y.
Dean Steam Pump Co., machsts. & fndrs., Holyoke, Mass.
Dean, Walter R., Oakham, Mass.
Deane, A. M., & Co., granite, S. Quincy, Quincy, Mass.
Deane, E. L., Machine Co., water filters, T squares, Holyoke, Mass.
Deane Machine Co., East av., Fitchburg, Mass.

DEANE WORKS, 115 Broadway, New York.

Dearborn Brass Co., Cedar Rapids, Ia.
Dearborn Canning Co., Dearborn, Mo.
Dearborn Concretetile Co., Aurora, Ind.
Dearborn Construction Co., Waterloo, Ia.
Dearborn Chemical Co., 332 S. Michigan av., Chicago.

DEARBORN CHEMICAL COMPANY, 310 S. Michigan av., Chicago.

Pres.—Robert F. Carr.
V. P. & Gen. Mgr.—Geo. R. Carr.
V. P.—J. D. Purcell.
V. P.—G. W. Spear.
Chem. Director—W. A. Converse.
Dir. of Purchases and Mfg.—J. W. Brashears.

Barcelona, Spain.
Boston, Mass.
Buenos Aires, S. A.
Calcutta, India.
Cincinnati, O.
Cleveland, O.
Denver, Colo.
Detroit, Mich.
Havana, Cuba.
Honolulu, T. H.
Indianapolis, Ind.
Johannesburg, S. A.
Kansas City, Mo.
Lima, Peru.
London, England.
Los Angeles, Calif.
Manila, P. I.
Mexico, D. F.
Milwaukee, Wis.
Minneapolis, Minn.
New York.
Peoria, Ill.
Philadelphia, Pa.
Pittsburgh, Pa.
St. Louis, Mo.
St. Paul, Minn.
San Francisco, Calif.
Santiago, Chile.
Sydney, Australia.
Syracuse, N. Y.
Tientsin, China.
Toronto, Canada.

Dearborn Electric Co., 123 S. Morgan St., Chicago.
Dearborn Foundry Co., manhole covers, crestings & finials, 345 W. 23rd, Chicago, Ill.
Dearborn, H., & Sons, stone producers, Stone City, Ia.
Dearborn Iron & Power Co., Dearborn, Mo.
Dearborn Mach. Wks., 410 S. Dearborn, Chicago, Ill.
Dearborn Truck Co., 1301 S. Cicero av., Cicero, Ill.
Dearborn Trunk & Bag Co., 217 S. Dearborn St., Chicago.
Dearinger & Brunner, lumber, Addy, Wash.
Dearking, E. L., cornices, 1663 Iliff Ave., Cincinnati, Ohio.
De Arment, Carl, brick, Petoskey, Mich.
Deatherage Lbr. Co., sash door & blind mfrs., 403 R. A. Long Bldg., Kansas City, Mo.
Deaton, G. H., & Co., advtg. nov., 216 N. Clinton, Chicago, Ill.
Deats, Hiram, Jr., rollers—land & field, Pittstown, N. J.
Deats Sash & Door Co., 1832 E. 16th, Los Angeles, Cal.
Deavitt, H. M., chemist, 209 S. La Salle, Chicago, Ill.
Deavitt Laboratories, 209 S. La Salle, Chicago, Ill.
De-Bar Co., The, 56 Delevan St., Brooklyn, N. Y.
De Bar Co., oils, varnish, bronzing liquids, 58 Delavan, Brooklyn, N. Y.
De Bardeleben Coal Co., 1st N. B. Bldg., Birmingham, Ala.
De Been, Jacob & Son, baseball mfrs., Albany, N. Y.
Debevoise-Anderson Co., 114 Liberty st., New York.
Debevoise Company, The, 968 Grand St., Brooklyn, N. Y.
Debo & McLain Canning Co., Goodview, Va.
De Boom Paint Co., 521 Commercial, San Francisco, Cal.
De Bruycker, August, chimney tops, 171 7th Ave., Brooklyn, N. Y.
De Busk, John, flour mills, Glade Springs, Va.

DECALCO LITHO COMPANY, INC., 615 H, Newark, Hoboken, N. J.

Pres.—William L. Willich.
Sec.—Herbert E. Olsen.
Treas.—William F. Reck.

Decalcomania Co., transfer ornaments, 20 W. Jackson blvd., Chicago, Ill.
Decarbonated Lime & Stone Co., Waynesboro, Pa.
Decarie Incinerator Co., 817 McKnight Bldg., Minneapolis, Minn.
Decatur & Hopkins Co., 124 High St., Boston, Mass.
Decatur Brick & Tile Co., Albany, Ala.
Decatur Brick Mfg. Co., Decatur, Ill.
Decatur Bridge Co., steel struct. wk., Decatur, Ill.
Decatur Bldrs. Supply Co., masons' & bldrs.' matls., Decatur, Ill.
Decatur Coffin Co., Decatur, Ill.
Decatur Const. Co., contrs., Decatur, Ill.
Decatur Cornice & Roofing Co., New Decatur, Ala.
Decatur Fertilizer Co., Decatur, Ala.
Decatur Fdry. Co., Decatur, Ill.
Decatur Foundry Furnace & Machine Co., Decatur, Ind.
Decatur Fountain Co., Decatur, Ill.
Decatur Hoop & Lumber Co., Decatur, Mich.
Decatur Lumber & Mfg. Co., Decatur, Ill.
Decatur Malleable Iron Co., castings, Decatur, Ill.
Decatur Mfg. Co., wire fences & gates, Decatur, Ill.
Decatur Novelty Wks., gasoline engines, calf weaners, special machy. smoke stacks, etc., Decatur, Ill.
Decatur Pump & Mfg. Co., Decatur, Ill.
Decatur Trunk Facty., Decatur, Ill.
Dececo Co., 76 Battery March, Boston, Mass.
Dechant & Sons, Wm. H., Reading, Pa.
Decherd Mill Co., flour, Decherd, Tenn.
Deck Bros., machsts., 56 Indiana, Buffalo, N. Y.
Deck Tank Co., Tulsa, Okla.
Deckebach, F. C., Sons Co., fndrs., 123 W. Court, Cincinnati, O.
Decker & Kaiser, Adrian, Mich.
Decker & Son, pianos, 701 E. 135th, New York.
Decker, Adam, Hardware Co., 347 Jackson, St. Paul, Minn.
Decker Bros. Co., pianos, 1223 Miller, Chicago, Ill.
Decker Co., billiard tables, 62 Cooper sq., New York.
Decker, E. S., sash, door & blind mfrs., 38 Cass, Springfield, Mass.
Decker, E. F., Saw Works, Albany, N. Y.
Decker, Jacob E., & Sons, meat packers, Mason City, Ia.
Decker, John, & Son, cornices, 2704 Girard Ave., Philadelphia, Pa.

DECKER, LTD., HENRY (Adv.), Flatiron Bldg., New York.

Decker, Louis, cornices, La Porte, Ind.
Decker Mfg. Co., hog ringers, hardware, Keokuk, Ia.
Decker Mfg. Co., self-heating soldering irons, gasoline blow torches, 251 Elm, Newark, N. J.
Decker Moulding & Mfg. Co., filing cabinets, phonographs, etc., 9th & Monroe, Chicago, Ill.
Decker Moulding & Mfg. Co., wedges, etc., 800 Mound, St. Louis, Mo.
Decker, O. S., & Co., rolled steel floor plates, House Bldg., Pittsburgh, Pa.
Deckert, W. D., Co., mill & facty. supplies, Dubuque, Iowa.
Decora Mfg. Co., air brushes & paint sprayers, 201 Nevin Ave., Richmond, Cal.
Decorative Art Glass Co., Davenport, Ia.
Decorative Glass Studios, Inc., 628 W. 24th St., N. Y.
Decorative Stone Co., artificial bldg. stone, Blatchley Ave. & River, New Haven, Conn.
Decorators' Supply Co., 2547 Archer Ave., Chicago.
De Coster, Mills & Co., contractors, Morristown, N. J.

DE COU CO., RICHARD, 12th and Noble Sts., Philadelphia, Pa.

Pres.—A. C. Middleton.
V. P. & G. M.—Wm. DeCou, Jr.
Treas.—Joseph R. Biddle.
Secy.—Charles N. Jones.

DeCourcy, A. B., & Co., organs, 634 Harrison Ave., Boston, Mass.
DeCozen Motor Car Co., 20 Branford Ave., Newark N. J.
De Croupet Iron Works, 1359 Monroe, Detroit, Mich.
Dedham Pottery Co., East Dedham, Mass.
De Dion-Bouton Auto Co., 110 W. 54th, New York.
Dedrick, N., machsts., Manitowoc, Wis.
Dee & Co., Thomas J., 5 S. Wabash Ave., Chicago.
Dee Co., The William V., Bridgeport, Conn.
Dee, Wm. E., Co., castings, sewer pipes, gratings, etc., 30 N. La Salle, Chicago, Ill.
Deegan, E. J., Mfg. Co., The, damper regulators, 291 E. 134th St., New York.
Deeks, Deeks & Smith, bldg. contrs., Exchange Bank Bldg., St. Paul, Minn.
Deem, E. A., lbr., Dayton, Ohio.
Deemer, A. D., Furn. Co., Dept. H, Brookville, Pa.
Deemer Steel Casting Co., New Castle, Del.
Deen, C. Clarence, flour mills, Fowling Creek, Md.
Deen Loom Co., machsts. & fndrs., Harlan, Ia.
Deen Turpentine Co., Loughman, Fla.
Deep River Brick & Tile Co., Deep River, Ia.
Deep River Lbr. Co., Norfolk, Va.
Deer, A. J. Co., machsts., Hornell, N. Y.
Deer Park Lbr. Co., Deer Park, Wash.
Deer, Walter, stone producers, Norristown, Pa.
Deere & Co. agricultural implements, Moline, Ill.
Deere & Mansur Wks., seeders, Moline, Ill.
Deere, John, Harvester Wks., binders, mowers, etc., East Moline, Ill.
Deere, John, Plow Co., wagons, 2204 B'way, N. St. Louis, Mo.
Deere, John, Plow Works, agricultural implements, Moline, Ill.
Deere, John, Wagon Works, Moline, Ill.
Deere Plow Co. of Moline, John, Moline, Ill.
Deerfield Pulp Co., Wilmington, Vt.
Deering & Co., G. G., Bath, Me.
Deering, J. G., & Son, lbr., Biddeford, Me.
Deering, R. A., & Son, cornices & skylights, Newport, Me.
Deering Wks., machsts., fndrs., 1734 Fullerton av., Chicago, Ill.
Deetz Sheet Metal & Roofg. Co., cornices, Duluth, Minn.
Deeves, G. H., Lbr. Co., ties, poles, etc., Ry. Exch., Chicago, Ill.
Deeves, J. H., & Bro., contrs., 543 E. 117th, New York.
Deeves, Richard, & Son, contrs., 145 E. 47th, New York.
Defender Auto Lock Co., shock absorber, Allegan, Mich.
Defender Automatic Regulator Co., 709 Pine St., St Louis, Mo.
De-Fender Mfg. Co., auto bumpers, 1002 So. Michigan av., Chicago, Ill.
Defender Photo Sup. Co., Driving Park Ave., Rochester, N. Y.
De Fi Mfg. Co., carbon paper, etc., 150 Nassau, New York.
Defiance Box Co., Defiance, O.
Defiance Button Mach. Co., 43 W. 24th, New York.
Defiance Carriage Co., Defiance, O.
Defiance Check Writer Corp., 500 St. Paul St., Rochester, N. Y.
Defiance Glove & Mitten Works Co., Defiance, Ohio.
Defiance Lantern & Stamping Co., 33 Hebard St., Rochester, N. Y.
Defiance Lumber Co., Tacoma, Wash.
Defiance Machine Works, Defiance, O.
Defiance Mfg. Co., 334-6 Broadway, New York, N. Y.
Defiance Motor Truck Co., The, Defiance, O.
Defiance Paper Co., Niagara Falls, N. Y.
Defiance Pressed Steel Co., Defiance, O.
Defiance Screw Machine Products Co., Defiance, Ohio.
Defiance Starch Co., Omaha, Neb.
Defiance Welding Co., machsts., Defiance, Ohio.
De Foe Boat & Motor Wks., Bay City, Mich.
Deford Co., lthr. belt butts, Continental Bldg., Baltimore, Md.
De Forest & Hotchkiss Co., The, New Haven, Conn.
De Forest Radio Telephone and Telegraph Co., 1415 Franklin St., Jersey City, N. J.
De Frain Sand Co., Beach & Berks, Philadelphia, Pa.
Defrees, C. H., masons' & bldrs.' matls., contractor, 315 S. Taylor, South Bend, Ind.
Defreville, J., castings, 142 McWhorter, Newark, N. J.
De Garmo, Walter C., architect, Miami, Fla.
Degen Belting Co., L. P., 260 Mission, San Francisco, Calif.
Degenhart & Co., cornices, 1846 Niagara, Buffalo, N. Y.
Degnon Contracting Co., 51 E. 42nd, Long Island City, N. Y.
De Golyer Varnish Wks., Troy, N. Y.
De Graff Canning Co., De Graff, Ohio.
De Grasse Paper Co., Pyrites, N. Y.
De Grauw, Aynar & Co., 34 South, New York.
De Haas, N. G., lumber, masons' & bldrs.' matls., Marquette, Mich.
De Hammel Construction Co., Swetland Bldg., Cleveland, Ohio.
De Hart, I. C., & Co., lbr. mfrs., Hartville, Va.
De Hart, I. N., 207 13th av., N., Nashville, Tenn.
De Hart Mfg. Co., machsts., 528 W. 24th, New York.
De Hart Mfg. Co., spec. mchy., 418 W. 27th, New York.
De Haven, B. F., flour mills, Gainsboro, Va.
De Haven Manufacturing Co., 52 Columbia Heights, Brooklyn, N. Y.
Dehler Bros. Co., contrs.' supplies & whol. hdwe., 116 E. Market, Louisville, Ky.
Dehner & Wershey, cornices, Lincoln, Ill.
De Huff & Hopkins, sluice gates & hydraulic jacks, Morris Bldg., Philadelphia, Pa.
Deible, H. C., carriages, Reynoldsville, Pa.
Deily & Fowler Mfg. Co., 39 Laurel, Philadelphia, Pa.
Deily, G. B. F., masons' & bldrs.' matls., Catasauqua, Pa.
Deisher, J. S., canned goods, Fincastle, Va.
Deissler & Bro., P., 1741 N. 6th st., Philadelphia, Pa.
Deister Concentrator Co., Fort Wayne, Ind.
Deister Machine Co., 635 High st., Fort Wayne, Ind.
Deitrich Co., H. O., 66-72 Barclay St., New York.
Deitsch Bros., traveling bags, 135 Madison av., New York.
Deitz, Alonzo E., locks, 73 Clymer, Brooklyn, N. Y.
De Jong, Chas., Bldg. Co., Paterson, N. J.
De Jonge & Co., Louis, 73 Duane, New York.
DeKalb Wagon Co., DeKalb, Ill.
Deknatel, J. A., & Son, scientific instrument jewels, 8 Heyward, Brooklyn, N. Y.
Delacour-Art Glass Works, glass stainers, 10th & Webster, Oakland, Cal.
Delahunty Dyeing Machine Co., Pittston, Pa.
De Lancey, Edw., sashes, doors & blinds, Lancaster, O.
Delaney & Son, D., Hamilton St., Newark, N. J.
Delaney, Edw. D., fndrs., Belleville, N. J.
De Laney Forge & Iron Corp., 300 Perry St., Buffalo, N. Y.
Delaney, M. B., tubular boilers, Hudson, N. Y.
De Laney, Thos. M., plumbers' supplies—jobbers, 576 Atlantic av., Brooklyn, N. Y.
De Lano Bros., cornices & skylights, 70 Spear, San Francisco, Cal.
Delano, C. F., cornices & skylights, Fairhaven, Mass.
Delano Granite Co., Rocklin, Ga.
Delany & Co., Cotton & Delaware, Philadelphia, Pa.
Delany & Co., Inc., Milnor & Cottman Sts., Tacony, Philadelphia, Pa.
Delany & Co., P., Newburgh, N. Y.
Delapierre, Arthur, Inc., tool handles, 19 Warren, New York.
Delaplane, C. L., & Co., flour mills, Delaplane, Va.
De La Rue & Co., Ltd., Thomas, 33 W. 42nd St., New York.
Delatour, A. J., lbr., 176 Cherry, New York.
Delatte & Lagrange, contractors, Lake Charles, La.
Delatush, Henry, Co., contrs., 562 Newark av., Jersey City, N. J.
De Laval Dairy Supply Co., cream separators, 61 Beale, San Francisco, Cal.
De Laval Separator Co., The, 165 Broadway, New York.

DE LAVAL STEAM TURBINE CO., East Trenton, N. J.

DE LA VERGNE MACHINE COMPANY, 926 E. 138th St., New York.

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CAL.—San Francisco—Pelton Water Wheel Co., 19th & Harrison Sts., Mission 6781.
FLA.—Jacksonville—707 Bisbee Bldg. Tampa—F. F. Boyd, 212½ Magnolia Ave.
MO.—Kansas City—15 W. 10th St., Grand 1726. St. Louis—Railway Exchange Bldg., Olive 3278.
PA.—Philadelphia—Richmond & Norris Sts., Lombard 1497.
TEX.—El Paso—R. E. Huthsteiner, 615 Mills Bldg. Houston—De La Vergne Engine Co., 1016 Carter Bldg.
CUBA—Havana—Zaldo, Martinez & Co., Mercaderas No. 4.
ENG.—Westminster, London—A. H. Goldingham, 53 Victoria St.
JAPAN—Tokio—Mitsui & Co.
MEX.—Mexico City—The Brecht Co.
S. A.—Buenos Aires, Argentine—The Brecht Co., Calle San Martin 235.

Delaware Brass & Aluminum Co., Muncie, Ind.
Delaware Chair Co., Delaware, O.
Delaware Clay Mfg. Co., Delaware, O.
Delaware Clay Products Co., Westinghouse Bldg., Pittsburgh, Pa.
Delaware Coll., engng. schools & coll., Newark, Del.
Delaware Elec. & Supply Co., mill, plumbers', steam fitters' supplies, etc., Wilmington, Del.
Delaware Fertilizer Co., Dover, Del.
Delaware Fdry. & Mach. Co., Delaware, Ohio.

DELAWARE HARD FIBRE CO., Wilmington, Del.
Works: Marshalltown, Del.

Baltimore, Md.—Abbell Bldg.
Birmingham, Ala.—1711 Second Ave., North.
Boston, Mass.—170 Summer St., Main 3158.
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Chicago—564-570 W. Monroe St., Main 1112.
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Denver, Colo.—U. S. Natl. Bk. Bldg.
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Pittsburgh, Pa.—First Nat'l Bank Bldg., Court 1391.
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Toledo, O.—419 Ohio Bldg.

Foreign:
Havana, Cuba—Manzana De Gomex 319.
Paris, France—5, Impasse Gaudelet (114 Rue Oberkampf).

Delaware Hardware Co., Wilmington, Del.
Delaware Leather Kid Co., 13th & Lombard, Wilmington, Del.
Delaware Marine Mfg. Co., 2206 Tatnal st., Wilmington, Del.
Delaware Metal Culvert Co., Clayton, Del.
Delaware Metal Refinery, 829 Leithgow, Philadelphia, Pa.
Delaware River Steel Co., Chester, Pa.

DELAWARE SEAMLESS TUBE CO., Auburn, Pa.

Delaware Terre Cotta Co., brick, Wilmington, Del.
Delco Light Co., N. Taylor St., Dayton, O.
Delehanty's, M., Son, plbrs.' supplies, 121 N. Pearl, Albany, N. Y.
Delgado Mills, tickings, Wilmington, N. C.
Del Gludice, A., & Son, granite, 703 Atwells av., Providence, R. I.
Delhaye, Joseph, contr., Highland Park, Ill.
Delight Lumber Co., Delight, Ark.
Delion Tire & Rubber Co., The, Highlandtown Station, Baltimore, Md.
Delker Bros. Buggy Co., Henderson, Ky.
Delker, Geo., Co., carriages, Henderson, Ky.
Dell, Frank M., masons' & bldrs.' matls., 4235 N. Meridan, Indianapolis, Ind.
Della, Howard R., contrs., 1144 Hanover, Baltimore, Md.
Dellenbarger, C. E., 466 3rd Ave., Brooklyn, N. Y.
Dellinger, A. M., agricultural implements, Lancaster, Pa.
Delis Paper & Pulp Co., Eau Claire, Wis.
Delmarvia Leather Co., 203 W. 4th St., Wilmington, Del.
Delmonte & Son, J., 5 Burling Slip, New York.
DeLoach Mill Mfg. Co., 318 Carter St., Chattanooga, Tenn.
Del Monte Properties Co., sand, Crocker bldg., San Francisco, Cal.
De Long-Almquist Co., machy. dlrs. & mill supplies, 502 E. 3rd, Los Angeles, Cal.
De Long & Son, wholesale hrdwe., Glens Falls, N. Y.
De Long, G. T., canned goods, Lithia, Va.
De Long, H. B., Co., htg. contrs., 409 1st, Spokane, Wash.
DeLong Hook & Eye Co., 21st & Clearfield, Philadelphia, Pa.
DeLong Machinery Co., Morrillton, Ark.
Delp, Jacob, contractor, Bloomfield, N. J.
Delphi Lime Co., Delphi, Ind.
Delphi Straw Board Co., Delphi, Ind.
Delphos Bending Co., Delphos, Ohio.
Delphos Mfg. Co., Delphos, O.
Delph's, S., Sons, billiard tables, butchers' store fixtures, 4th & Liberty, Pittsburgh, Pa.
Delta Cement & Tile Co., Greenville, Miss.
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Delta Co., advtg. spec., 629-631 Main, Osage, Ia.

DELTA ELECTRIC CO., Marion, Ind.

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Delta Equipment Co., 140 N. 3rd St., Philadelphia, Pa.

DELTA FILE WORKS, 4837 James St., Bridesburg P. O., Philadelphia, Pa.

Chicago—Geo. F. Hornberger, 394 Larch St., Elmhurst, Ill.
Oakland, Cal.—W. H. Gillespie, 5861 Ocean View Drive.
Philadelphia, Pa.—W. S. Wassell.
Providence, R. I.—A. L. Brow, 128 Messer St.

Delta Hardware Co., Escanaba, Mich.
Delta Lumber Co., New Orleans, La.
Delta Mfg. Co., paper gauges, testers, etc., 858 3rd, Milwaukee, Wis.
Delta Mfg. Co., sashes, doors & blinds, 2704 Santa Fe ave., Los Angeles, Cal.
Delta Oil Co., Greenville, Miss.
Delta Shingle Co., Florence, Ore.
Delta-Star Elec. Co., 2437 Fulton St., Chicago.
Delta Stave Co., cooperage stock, Sibley, La.
Deltour, John, willow ware mfrs., 901 Jefferson ave., Hoboken, N. J.
Deltox Grass Rug Co., Oshkosh, Wis.
De Luxe Bldg. Co., contrs., Union League Bldg., Los Angeles, Cal.
De Luxe Fibre Furniture Co., 1387 E. 7th, Los Angeles, Cal.
De Luxe Sales Co., metal polish, 621 Sacramento, San Francisco, Cal.
De Luxe Wind Shield Co., 331 Larkin, San Francisco, Cal.

DE MACEDO & WOOD, 125 S. 5th st., Philadelphia, Pa.

De Marce, A., machst. & fndr., Texarkana, Tex.
Demarest, Chas. H., bamboo, cutch, 227 Water, New York.
Demarest, Edwin, masons' & bldrs.' matls., Tenafly, N. J.
Demarest Heater Co., 240 Main, Springfield, Mass.
De Martini Motor Truck Co., Inc., 435 Pacific, San Francisco, Cal.
Demattel, L. & Co., contractors, 8 Avery, San Francisco, Cal.
De Mattia Bros., machsts., Garfield, N. J.
De Maulin Bros. Co., badges & buttons, Greenville, Ill.
Demeritt Co., canned goods, Waterbury, Vt.
Demers, Joseph C., contractors, 150 Amory, Manchester, N. H.
De Michiel, John, & Bros., contractors, Torrington, Conn.
De Milt, H. R., Co., tin plate, 238 Water, New York.
Deming & Thompson Co., Frankfort, Ind.
Deming Apparatus Co., sugar machinery, 150 Nassau, New York.
Deming Color Co., Smith & 12th St., Toledo, O.
Deming Co., Alton A., Erie, Pa.

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Sacramento—Crane Co.
San Francisco—Crane Co., 301 Brannan, Sutter 7840.
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FLA.—Miami—Miami Supply Co.
GA.—Atlanta—Fulton Supply Co.
ILL.—Cairo—Woodward Hardware Co.
Chicago—Henlon & Hubbell, 219 N. Jefferson St., Main 0348.
IND.—Indianapolis—Crane Co.
KY.—Louisville—Laib Co.
LA.—New Orleans—Engineering Sales Co.
MD.—Baltimore—Standard Supply Corp.
MASS.—Boston—Charles J. Jager Co., 13-15 Custom House, Main 3440.
MICH.—Detroit—Kerr Machinery Corp., Kerr Bldg., Cadillac 593.
Standart Bros. Hardware Corp., 501 W. Jefferson St., Cadillac 1340.
MO.—Kansas City—English Tool & Supply Co., 410 W. 5th Ave., Main 5575.
St. Louis—Farrar Pump & Machinery Co., Grant Bldg., Main 1355.
N. Y.—Buffalo—Root, Neal & Co., 178-180 Main St., Seneca 4710.
New York—Ralph B. Carter Co., 152 Chambers St., Barclay 6955.
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Oklahoma City—Mideke Supply Co.
ORE.—Portland—Crane Co.
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Pittsburgh—Harris Pump & Supply Co., 316-322 Second Ave., Court 3802.
TENN.—Memphis—Pidgeon Thomas Iron Co.
Nashville—W. A. Case & Son Mfg. Co.
UTAH—Salt Lake City—Salt Lake Hardware Co.
VA.—Richmond—Sydnor Pump & Well Co.
W. VA.—Charleston—Charleston Electrical Supply Co.

Foreign:
CAN.—Montreal—Darling Bros., Ltd.
Toronto—Darling Bros., Ltd.
Winnipeg—Darling Bros., Ltd.

Deming Hardware Co., Montpelier, Vt.
Demmer, Chas., cornices & skylights, Santa Rosa, Cal.
Demmerle & Co., 33 W. 17th st., New York.
Demmler Bros. Co., wholesale hdwe., 109 Ross, Pittsburgh, Pa.
Demmler, Wm., & Bro., machsts., Kewanee, Ill.
Demmler & Schenck Co., steel tables, 434 Penn. ave., Pittsburgh, Pa.
Demopolis Cotton Mills, rope & twine, Montgomery, Ala.
Demorest Foundry & Machine Works, Demorest, Ga.
Demorest Mfg. Co., concrete mixers, Enid, Okla.
Demourelle, Jas., & Sons, masons' & bldrs.' matls, 1035 Tolouse, New Orleans, La.
Dempey-Degener Co., coal chutes & pockets, 708 Penn. ave., Pittsburgh, Pa.
Dempsey & Hardy, contrs., Princeton, N. J.

DEMPSEY FURNACE CO., H. B., 61-63 Cornelison av., Jersey City, N. J.

Dempsey, Jno. F., & Co., machsts., Lynn, Mass.

DEMPSEY LUMBER CO., Johnstown, Pa.

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Dempster Mach. Co., 1148 Main av., Knoxville, Tenn.
Dempster Mfg. & Supply Co., Des Moines, Ia.
Dempster Mill Mfg. Co., Beatrice, Neb.
Dempster Steam Car Co., The, Knoxville, Tenn.
Dempwolf, C. H., & Co., fertilizer machy., York, Pa.
Dempwolf, Reinhardt, architect, York, Pa.
Demster, W. R., machinists, 1733 Locust, Kansas City, Mo.
De Muth & Co., Wm., 230 5th Ave., New York.
De Muth Glass Mfg. Co., 32 W. Broadway, New York.
Denault, Moses, & T. Arthur, masons' & bldrs.' matls., Wamsutta, New Bedford, Mass.
Denby Motor Truck Co., Holbrook & G. T. R. R., Detroit, Mich.
Dengel Mfg. Co., F. R., 336-48 4th St., Milwaukee, Wis.
Denger, Fred, masons' & bldrs.' matls., Davenport, Ia.
Dengler, Liddy & Burd Electrical Co., The, 227 Broad St., Elizabeth, N. J.
Dengler Machine Works, L. F., 177 Main St., W., Rochester, N. Y.
Denholm, J. M., Bros. & Co., meat packers, 5th & Frankstown avs., Pittsburgh, Pa.
Denie's Sons, Jno. A., 373 Adams st., Memphis, Tenn.
Denier's Son, plate glass mirrors, 27 Bleecker, New York.
Denio, E., butter tubs, Hyde Park, Vt.
Denis Machine Co., Jno., Lowell, Mass.
Denison & Coerper, lumber, Hartford, Wis.
Denison Cotton Mill Co., Denison, Tex.
Denison Interlocking Tile Corp., Guardian Bldg., Cleveland, Ohio.
Denison Lumber Co., Hagerstown, Md.
Denison Univ., engng. school & coll., Granville, Ohio.
Denman & Davis, iron, steel, 85-91 Lafayette, New York.
Denman Cord Tire Co., 6931 Carnegie, Cleveland, Ohio.
Denmark Condensed Milk Co., Denmark, Wis.
Denmark Oil & Fertz. Co., meal, Denmark, S. C.
Denmire, L. E., canned goods, Montrose, Ia.
Denneen Motor Co., Cleveland, O.
Dennehy Bros., shoe blacking & polishes, Brockton, Mass.
Dennett Milling Co., flour, 2926 S. Ainsworth, Tacoma, Wash.
Dennick, Wm. & Co., fndrs., Dayton, Ohio.
Dennie Salt & Lumber Co., A. L., Grand Rapids Sav. Bk. Bldg., Grand Rapids, Mich.
Denning Mfg. Co., tooth brush & towel holders, 1777 E. 87th, Cleveland, Ohio.
Denning Tractor Co., engines, plows, Cedar Rapids, Ia.
Dennis, A. L., salt & lumber Co., Grand Rapids, Mich.
Dennis, J. B., metal furn., etc., Monadnock Bldg., San Francisco, Cal.
Dennis, J. T., canned goods, Preston, Md.
Dennis, John, Mach. Co., Lowell, Mass.
Dennis, I. E. P. & Son, fertilizer mfrs., Crisfield, Md.
Dennis Mfg. Co., see Cooper Mfg. Co. (successor).
Dennis Mfg. Co., Waco, Tex.
Dennis, Martin, Co., tanning extracts, 859 Summer av., Newark, N. J.
Dennis Sons, O., 8th Ave. and 20th St., Troy, N. Y.
Dennis, V. R., Constr. Co., McMinnville, Ore.
Dennis, V. R., Construction Co., 262 Stark, Portland, Ore.
Dennis, W. J., & Co., brushes, weather strips, etc., 2120 W. Lake, Chicago, Ill.
Dennison, A. D., Co., mill & facty. supplies, 1020 Superior, Cleveland, Ohio.
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Dennison, Lee, contrs., Hornell, N. Y.
Dennison Mfg. Co., So. Framingham, Mass.
Dennison Sewer Pipe Co., Dennison, O.
Denny Bros., contractors, Zanesville, Ohio.
Denny, Edw., & Co., maps, 338 Bush, San Francisco, Cal.
Denny, Hilborn & Rosenbach, 230 N. 12th St., Philadelphia, Pa.
Denny-Renton Clay & Coal Co., Pioneer Bldg., Seattle, Wash.
Denny Tag Co., Inc., West Chester, Pa.
De Noyelles Brick Co., Haverstraw, N. Y.
Densen Corrugated Paper Co., boxes, 168 39th, Brooklyn, N. Y.
Denslow Heating Co., Waverly, N. Y.
Densmore Brick Co., Lebanon, N. H.
Dent Hardware Co., refrigerator hdwe. mfrs., Fullerton, Pa.
Dent Hardware Co., 816-14th St., Washington, D. C.
Dent, M. F., Co., machsts.' tools, etc., dealers, 7 Blandine, Utica, N. Y.
Dent, R. K., lbr., Akron, Ala.
Denton & Co., contrs., contrete steel constr., 7 E. 42nd, New York.
Denton & Son, carriages, Oswego, N. Y.
Denton & Waterbury, lbr. mfrs., Whitesboro, N. Y.
Denton Lumber Co., Enville, Fla.
Denton Mfg. Co., canned gds., Denton, Md.
Denton Milling Co., flour, Denton, Tex.
Denton Roller Mills, Denton, N. C.
Dentzel, Wm. H., carousels, organs, 3641 Germantown av., Philadelphia, Pa.
Denune Builders' Supply Co., Linden Heights, Ohio.
Denver Auto Goods Co., 39 B'way, Denver, Colo.
Denver Bedding Co., 1300 Arapahoe, Denver, Colo.
Denver Chemical Mfg. Co., 20 Grand, New York.
Denver Engineering Wks., 30th & Blake St., Denver, Colo.
Denver Fireclay Co., 1746 Champa St., Denver, Colo.
Denver Foundry Co., 1221-31 Twelfth St., Denver, Colo.
Denver, Frank, machst. & fndr., Washington, Ind.
Denver Iron Works & Fdry. Co., 1408 Colfax St., Denver, Colo.
Denver Marble & Granite Co., 1224 Lawrence St., Denver, Colo.
Denver Metal & Machy. Co., Denver, Colo.
Denver Pressed Brick Co., Temple Court Bldg., Denver, Colo.
Denver Quartz Mill & Crusher Co., Colo Bldg., Denver, Colo.

DENVER ROCK DRILL MFG. CO., THE, Plant and General Offices, E. 39th Ave. & Williams St., Denver, Colo.

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Canadian Rock Drill Company, Ltd., Sole Agts. Cobalt, Ont.
Montreal, Que.—170 McGill St.
Nelson, B. C.—614 Baker St.
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Denver Steel & Iron Wks. Co., steel structural work, W. Colfax & Larimer, Denver, Colo.
Denver Tent & Awning Co., 1647 Araphoe St., Denver, Colo.
Denver Terra Cotta Co., W 1st & Umatilla St., Denver, Colo.
Denver Wrecking & Const. Co., contrs., 1000 S. B'way, Denver, Colo.
Denzi & Philips, Inc., 39 Vesey St., New York.
Department of the Interior, (U. S. Geological Survey), Washington, D. C.
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Dependable Baggage Co., Stanley, Wis.
Dependable Mfg. Co., auto parts, 806 E. Main, Streator, Ill.
De Pere Mfg. Co., boilers, bins, coal conveyers, etc., West De pere, Wis.
De Pere Tablet Co., De Pere, Wis.
Deport Cotton Seed Oil Co., Deport, Tex.
Deposit Lumber Co., Deposit, N. Y.
De Pree Co., chemicals & fumigators, Holland, Mich.
De Pree, Wm., Co., mill & facty. supplies, Zeeland, Mich.
De Prefontaine, Chas., masons' & bldrs.' matls., Blue Bell, Pa.
Depue Bros., farm tractors, Clinton, Iowa.
Derby & Ball, Bellows Falls, Vt.
Derby & Co., P. (Chairs), Gardner, Mass.
Derby Commutator Co., Caroline, Derby, Conn.
Derby Desk Co., 451 Broadway, New York.
Derby Gas Co., gas retort, carbons, Derby, Conn.
Derby, S. L., masons' & bldrs.' matls., Lemont, Ill.
Derbyshire, F. W., machsts., Waltham, Mass.
Derdenger Constr. Corp., Electric Bldg., Buffalo, N. Y.

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Derickson, G. P., Co., whol. hdwe., 23 S. 4th, Minneapolis, Minn.
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Dernell, H. F., Co., ice axes, tongs & tools, Athens, N. Y.
De Rome's Bronze, Brass & Bell Foundry, L., Oakland, Calif.
De Ronde, Frank S., paint & varnish remover, 17 Battery Pl., New York.
De Roo, P., Sons, corn brooms, Wade & Borton, Cincinnati, Ohio.
De Rose & Cavalieri, architects, 370 E. 149th, New York.
De Rose, Jos., architect, 119 Ellison, Paterson, N. J.
Derr, Walter, stone producers, Norristown, Pa.

Derrick Broom Factory, San Jose, Cal.
Derrick Oil Co., Titusville, Pa.
Derry Glass Sand Co., Latrobe, Pa.
Derryfield Co., 39 S. Beech st., Manchester, N. H.
Dershimer & Griffin, contractors', masons' & bldrs.' matls., Pittston, Pa.
De Sanno Mfg. Co., castings & awning hdwe., 1853 38th Ave., Oakland, Cal.
Des Arc Handle Co., Des Arc, Mo.
Des Arc Hoop & Lumber Co., Des Arc, Ark.
Desch, J. W., masons' & bldrs.' matls., Celina, Ohio.
Deschanel Engineering Co., 90 West St., New York.
Deschauer Co., S., 1347 Blue Island Ave., Chicago.
Deschler, August, machsts., Chillicothe, Ohio.
Des Cognets, Louis, & Co., masons' & bldrs.' matls., Lexington, Ky.
Desha Lumber Co., Lake Providence, La.
De Shay, D. H., agricultural implements, Elysburg, Pa.
Deshler Broom Factory, Deshler, Neb.
Deshler Foundry & Machine Wks., irons & feed grinders, Deshler, Ohio.
Deshler Mail Box Co., Deshler, O.
Designer's Instrument Co., 3819 N. Ashland Ave., Chicago.
Deslaurier Column Mould Co., Woolworth Bldg., New York.
Desloge Consolidated Lead Co., Rialto Bldg., St. Louis, Mo.
De Smet Quarts Tile Co., 133 W. Washington St., Chicago.
Des Moines Bale Tie Co., Des Moines, Ia.
Des Moines Brick & Tile Co., Des Moines, Ia.
Des Moines Bridge & Iron Co., now Pittsburgh-Des Moines Steel Co., Pittsburgh, Pa.
Des Moines Bridge & Iron Co., 9th & Tuttle, Des Moines, Iowa.
Des Moines Broom Co., Des Moines, Iowa.
Des Moines Building Material Co., Des Moines, Iowa.
Des Moines Casket Co., Des Moines, Iowa.
Des Moines Clay Co., Des Moines, Ia.
Des Moines Foundry & Machine Co., Des Moines, Ia.
Des Moines Fuel & Lime Co., Des Moines, Iowa.
Des Moines Glove & Mfg. Co., Des Moines, Ia.
Des Moines Incubator Co., Des Moines, Iowa.
Des Moines Iron Co., Des Moines, Iowa.
Des Moines Marble & Mantel Co., Des Moines, Iowa.
Des Moines River & Gravel Co., Harvey, Iowa.
Des Moines Saddlery Co., Des Moines, Iowa.
Des Moines Sand & Fuel Co., Des Moines, Ia.
Des Moines Sawmill Co., Des Moines, Ia.
Des Moines Sheet Metal Co., Des Moines, Iowa.
Des Moines Silo & Mfg. Co., Des Moines, Iowa.
Des Moines Slide Co., Des Moines, Iowa.

DES MOINES STEEL COMPANY, 421 S. W. & Tuttle Sts., Des Moines, Ia.
Pres. & Gen. Mgr.—J. E. Van Liew.
V. P.—J. L. Gillespie.
Sec. & Treas.—A. W. Lee.
Sales Mgr.—W. C. Nielandt.

Des Moines Stove Repair Co., Des Moines, Iowa.
Des Moines Structural Steel Works, Des Moines, Iowa.
Des Moines Tent & Awning Co., Des Moines, Iowa.
Desmond Mfg. Co., M., 318 St. Louis, Edwardsville, Ill.

DESMOND-STEPHAN MFG. CO., THE, Urbana, Ohio.
Canadian Desmond-Stephen Mfg. Co., Ltd., Hamilton, Ont.
Distributors & Representatives:
CALIF.—Los Angeles—Union Hdw. & Metal Co., 411 E. First St., Main 6140.
San Francisco—Dunham, Carrigan & Hayden, Kansas & Division, Park 9500.
L. E. Green, 526 Wells Fargo Bldg.
ILL.—Chicago—Chas. H. Besly Co., 118 N. Clinton St., Franklin 1222.
H. Channon Co., Market & Randolph Sts., Franklin 0380.
Roy G. Hart & Co., 30 N. Clinton St., Main 2341.
Machinists Supply Co., 19 N. Jefferson St., Main 0554.
IND.—Indianapolis—Lilly Hardware Co.
Vonnegut Hardware Co.
IA.—Davenport—Louis Hanssen's Sons.
KY.—Louisville—E. D. Morton & Co.
Neill-LaVielle Supply Co.
MD.—Baltimore—L. A. Benson.
MASS.—Boston—Chandler & Farquhar Co., 36 Federal St., Main 7670.
Cutter & Wood Supply Co., 274 Friend, Haymarket 5204.
Springfield—E. S. Stacey Supply Co.
Westfield—Geo. L. Gaylor, New England Representative.
Worcester—Duncan & Goodell Co.
MICH.—Detroit—Boyer-Campbell Co., Congress & Brush, Cadillac 3260.
Buhl Sons Co., Ft. of Adair, Edgewood 4000.
T. B. Rayl Co., 9 E. Gd River, Cherry 5000.
Chas. A. Strelinger Co., 149 E. Larned, Cadillac 7080.
Jackson—Smith-Winchester Co.
Lansing—Kirchen Machine & Supply Co.
MINN.—Duluth—Kelly-How-Thompson Co.
Minneapolis—F. E. Satterlee Co.
MO.—St. Louis—Colcord-Wright Machinery Co.
St. Louis Machinists Supply Co.
N. Y.—Buffalo—Beals, McCarthy & Rogers, 50 Terrace, Seneca 2820.
Oliver Abrasive & Tool Co., 60 Pearl, Seneca 1746.
Weed & Co., 95 Swan, Seneca 1818.
New York—Neal & Brinker Co., 78 Duane St., Walker 5910.
Market & Hammacher Co., 193 West St., Worth 9360.
Rochester—Homer Strong & Co., Inc.
Weed & Co.
Syracuse—Burhans & Black.
Syracuse Supply Co.
Troy—Fred K. Blanchard, Inc.
O.—Cincinnati—V. N. Devou Supply Co.
E. A. Kinsey Co.
Cleveland—Cleveland Tool & Supply Co.
Mau-Sherwood Supply Co.
Strong, Carlisle & Hammond.
Dayton—M. D. Larkin Supply Co.
Toledo—Coughlin-Kirby Machy. & Sup. Co.
National Supply Co.
PENN.—Philadelphia—Walter O. Gold, 235 Race, Market 2388.
Pittsburgh—Machinists Supply Co., 327 2nd Ave., Court 1640.
Standard Supply & Equip. Co., 1207 Liberty Ave., Smithfield 0800.
TEX.—Dallas—Briggs-Weaver Machinery Co.
WASH.—Seattle—Cragin & Co.
WIS.—Milwaukee—Philip Gross Hardware Co.
John Pritzlaff Hardware Co.
Western Iron Stores Co.

De Soto Brick & Tile Works, De Soto, Ia.
De Soto Co., turpentine, Quitman, Ga.
De Soto Cotton Oil Co., Mansfield, La.
De Soto Fdy. & Mach. Co., Mansfield, La.
De Soto Hardware Co., 14 S. Front, Memphis, Tenn.
De Soto Hardwood Flooring Co., 1014 Sledge Ave., Memphis, Tenn.
De Soto Oil Co., 998 Kansas, Memphis, Tenn.
De Soto Paint Mfg. Co., 1014 Sledge st., Memphis, Tenn.
De Soto Roller Mills, flour, De Soto, Mo.
Despard, F. F., mill supplies, Utica, N. Y.
Despatch Mfg. Co., annealing furnaces, ovens & electric cooking app., 120 1st, N. W., Minneapolis, Minn.
Desper, H. A., pipe joint cements, water meters, plumber specialties, etc., 40 Shelby, Worcester, Mass.
Despiaines, Inc., Arthur, 19 Warren St., New York.
Des Roberts, Francois, & Sons, contrs., 66 Birch, Biddeford, Me.
Desrosier, Gilbert, carriages, Northampton, Mass.

DESSAU, MAURICE S., 6 Maiden Lane, New York. Repr.—Maurice S. Dessau, Alfred Drosness, A. Fisher, Albert Stern, Jos. D. Foody.

Dessureau & Co., Barre, Vt.
Dessery, Floyd G., civil engnr., Central Bldg., Los Angeles, Cal.
D'Este Co., Julian, 26 Canal St., Boston 14, Mass.
Destructor Co., garbage burners, 111 Broadway, New York.
De Tamble Motors Co., Anderson, Ind.

DETEX WATCHCLOCK CORP., 4147 Ravenswood av., Chicago, Ill.

Detjen & Son, contrs., Sedalia, Mo.
Detlaff Co., A. J., 647 E. Lafayette St., Detroit, Mich.
Detmer, Henry, pianos, 1454 N. Claremont Ave., Chicago, Ill.
Detmer Mfg. Co., 2518 Archer Ave., Chicago.
Detraz Bros., masons' & bldrs.' matls. & supplies, Vevay, Ind.
Detrick Co., M. H., 140 S. Dearborn St., Chicago.
Detroit Accessories Corp., 2021 Gratiot St., Detroit, Mich.
Detroit Arch'l Iron Wks., C., Book Bldg., Detroit, Mich.
Detroit Auto Dash Co., Milford, Mich.
Detroit Auto Piston Co., 1139 Baltimore Ave., Detroit, Mich.
Detroit Automatic Scale Co., machsts., 409 E. Jefferson Ave., Detroit, Mich.
Detroit Auto Specialty Co., 909 Greenwood Ave., Detroit, Mich.
Detroit Battery Co., 500 Howard St., Detroit, Mich.

DETROIT BELT LACER CO., 3943-53 A. St., Detroit, Mich.
Pres.—F. W. Knott.
V. P.—W. G. Dee.
Sec.—W. Ewart.
Treas.—B. Garilus.
Sales Representatives:
CAL.—San Francisco—R & J Dick Co., 58 Minna St.
CONN.—West Haven—F. G. Kall, 78 Prospect St.
GA.—Atlanta—Sullivan & Jarrett, Hurt Bldg.
ILL.—Chicago—F. L. Hanks, 549 Washington St.
IND.—Indianapolis—E. Wiest, State Life Bldg.
MINN.—St. Paul—Factory Sales Co., 739 Pillsbury Ave.
MO.—St. Louis—Myers-Mulligan Co., 920 7th St.
N. Y.—New York—W. D. Langsford, 16 Hudson St.
OHIO—Cincinnati—E. N. Wirthlin, 62 Plum St.
Cleveland—J. H. Hayer, 1200 W. 9th St.
PA.—Philadelphia—Carl Nehls, 54 N. 13th St.
WASH.—Seattle—R & J Dick Co., Maritime Bldg.

Detroit Brass & Malleable Works, 1177 Holden, Detroit, Mich.
Detroit Cabinet Co., 4810 Riopelle, Detroit, Mich.
Detroit Casket Co., 1401 Ash, Detroit, Mich.
Detroit Chair Mfg. Co., furniture, 4797 Bellevue, Detroit, Mich.
Detroit Chemical Wks., 238 Junction Ave., Detroit, Mich.
Detroit Coil Co., 439 E. Fort, Detroit, Mich.
Detroit Copper & Brass Rolling Mills, 91 Clark St., Detroit, Mich.
Detroit Cornice & Slate Co., 739 Antoine st., Detroit, Mich.
Detroit Creamery Co., canned goods, 98 Grand River, Detroit, Mich.
Detroit Decorative Supply Co., 4240 4th, Detroit, Mich.
Detroit Drop Hammer Board Co., 3826 Grand River, Detroit, Mich.
Detroit Edge Tool Wks., 3000 E. Woodbridge, Detroit, Mich.
Detroit Electric Car Co., 5860 Cass Ave., Detroit, Mich.
Detroit Engine Works, see Wadsworth Mfg. Co. (successors)
Detroit Engin'r'g Works, 160 Kerchvil St., Detroit, Mich.
Detroit Excelsior Wks., 9150 Russell st., Detroit, Mich.
Detroit File Corp., 6351 LeGrande Ave., Detroit, Mich.
Detroit Forging Co., 284 Mt. Elliott rd., Detroit, Mich.
Detroit Foundry Co., 2642 E. Grand Blvd., Detroit, Mich.
Detroit Gear & Machine Co., 670 E. Woodbridge, Detroit, Mich.
Detroit Glove & Mfg. Co., 661 Plum st., Detroit, Mich.
Detroit Graphite Company, Detroit, Mich.
Detroit Gray Iron Fdy. Co., 401 Wight, Detroit, Mich.
Detroit Grinding Wheel Co., see Detroit-Star Grinding Wheel Co. (successors)
Detroit Heating & Lighting Co., Hart & Charlevoix Sts., Detroit, Mich.
Detroit Heating & Lighting Corp., see Welded Steel Barrel Corp., Detroit, Mich. (successors).

DETROIT HOIST & MACHINE COMPANY, Detroit, Mich.
Pres.—J. C. Fleming.
V. P.—Theo. Beyster.
V. P.—A. S. Watson.
Secy. & Treas.—F. J. Martin.

Detroit Insulated Wire Co., Wesson & Albert, Detroit, Mich.
Detroit Laundry Mach. & Supply Co., 1450 21st, Detroit, Mich.
Detroit Lead Pipe Works, 1450 21st st., Detroit, Mich.
Detroit Leather Specialty Co., Inc., Now Horace G. Preston Company, 375 Beecher Ave., Detroit, Mich.
Detroit Leather Works, 141 E. Lafayette St., Detroit, Mich.
Detroit Lighting Fix. Co., elec. fixtures, 152 E. Jefferson Ave., Detroit, Mich.
Detroit Lithograph Co., Ltd., 281-85 Larned St., E., Detroit, Mich.
Detroit Lubricator Co., Trumbull Ave., Detroit, Mich.
Detroit Lumber Co., W. Jefferson & Junction Sts., Detroit, Mich.
Detroit Machine Tool Co., 6535 St. Antoine, Detroit, Mich.
Detroit Machine Tool Co., 6545 St. Antoine St., Detroit, Mich.
Detroit Mfg. Co., radio dials & knobs, 5850 Marshall, Oakland, Cal.
Detroit Marvel Brass Mfg. Co., plumbing traps, etc., 1742 Rivard, Detroit, Mich.
Detroit Mausoleum Equipment Works, 179 W. Fort St., Detroit, Mich.
Detroit Metal Refining Co., 546 Book Bldg., Detroit, Mich.
Detroit Metal Spinning Co., 625H Monroe Ave., Detroit, Mich.
Detroit Metallic Casket Co., metallic burial cases, 2950 Gratiot Ave., Detroit, Mich.
Detroit Mill Ends Co., 4732 Belvidere Ave., Detroit, Mich.
Detroit Mirror Wks., 2132 Baker, Detroit, Mich.
Detroit Model Mach. Wks., wrenches, Fremont, Ohio.
Detroit Motor Castings Co., 1067 Beaufort av., Detroit, Mich.
Detroit Name Plate Etching Co., 686 E. Congress St., Detroit, Mich.
Detroit Nut Co., Hubbard & Mo. R. R., Detroit, Mich.
Detroit Oak Belting Co., 266 Wight St., Detroit, Mich.
Detroit Oil & Cotton Co., meal, Detroit, Tex.
Detroit Organic Chemical Co., 1417 Dime Bk., Detroit, Mich.
Detroit Paper Products Corp., 4490 Lawton Ave., Detroit, Mich.
Detroit Pattern Wks., 9 W. Woodbridge, Detroit, Mich.
Detroit Piston Pin & Mfg. Co., 5680 12th, Detroit, Mich.
Detroit Piston Ring Co., 53 Richmond St., Detroit, Mich.
Detroit Pressed Steel Co., Detroit, Mich. (now Midland Steel Products Co., Cleveland, O.)
Detroit Publishing Co., post cards, 3925 Vermont, Detroit, Mich.
Detroit Pulley Co., 1331 Bellevue, Detroit, Mich.
Detroit Rack Co., umbrella stands, tables, store fixtures, 2536 14th St., Detroit, Mich.

DETROIT RANGE BOILER & STEEL BARREL Co., Detroit, Mich.
Pres.—Edward W. Stoddard.
V. P.—F. C. Wacker, D. B. Duffield.
Sec.—J. W. Stannard.
Treas. & Gen. Mgr.—Geo. A. Moore.
Supt.—C. L. Finch.
Chicago—612 Straus Bldg., E. W. Sanborn, A. S. Lindeblad.
New York—30 Church St., C. C. Choate.
St. Louis, Mo.—1616 Chemical Bldg., J. B. Shipley.
San Francisco, Cal.—564 Market St., E. B. Gogerty.
Trenton, N. J.—733 Broad St., Bank Bldg., Geo. H. Bell.
Plants:
Detroit, Mich.
Toledo, O.

Detroit Register Co., 530 W. Jefferson Ave., Detroit, Mich.
Detroit River Iron Works, 2655 E. Atwater st., Detroit, Mich.
Detroit Rubber Stamp & Machine Co., 523 Shelby St., Detroit, Mich.
Detroit Safety Furnace Pipe Co., 1212 2d St., Detroit, Mich.
Detroit Sanitary Sup. Co., 5905 2nd st., Detroit, Mich.
Detroit Saw & Tool Co., 528 E. Fort st., Detroit, Mich.
Detroit Screw Works, 1469 E. Atwater St., Detroit, Mich.
Detroit Seamless Steel Tubes Co., Grand River Station, Detroit, Mich.
Detroit Ship Building Co., Ft. Orleans, Detroit, Mich.
Detroit Show Case Co., 1654 W. Fort St., Detroit, Mich.
Detroit Socket Co., 2744 W. Jefferson, Detroit, Mich.
Detroit Soluble Oil Co., 6808 Goldsmith st., Detroit, Mich.
Detroit Stained Glass Wks., 1373 W. Fort St., Detroit, Mich.

DETROIT STAMPING CO., 3445 W. Fort st., Detroit, Mich.

Detroit-Star Grinding Wheel Co., 106 Field St., Detroit, Mich.
Detroit Starter Co., 30 E. Larned St., Detroit, Mich.
Detroit Steel Casting Co., 1243 Michigan Ave., Detroit, Mich.
Detroit Steel Products Co., 1460 Penobscot Bldg., Detroit, Mich.
Detroit Stoker Co., 3-118 General Motors Bldg., Detroit, Mich.
Detroit Store Fixture Co., 16 Cathenne, Detroit, Mich.
Detroit Stove Works, 1320 E. Jefferson St., Detroit, Mich.
Detroit Sulphite Pulp & Paper Co., 9125 W. Jefferson St., Detroit, Mich.
Detroit Testing Laboratory, 3726 Woodward, Detroit, Mich.
Detroit Torch & Mfg. Co., 6606 Revard St., Detroit, Mich.
Detroit Trailer Co., 35 Jos. Camp, Detroit, Mich.
Detroit Twist Drill Company, 2108 W. Fort Street, Detroit, Mich.
Detroit Valve & Fittings & Detroit Brass, see Detroit Brass & Malleable Works (successors)
Detroit Vapor Stove Co., 12345 Kerchival St., Detroit, Mich.
Detroit Varnish Co., 1960 E. Milwaukee st., Detroit, Mich.
Detroit Waste Wks., 412 Larned, W., Detroit, Mich.
Detroit Weatherproof Body Co., 1309 Kresge Bldg., Pontiac, Mich.
Detroit White Lead Works, 560 E. Milwaukee St., Detroit, Mich.
Detroit Wire Bound Box Co., 1031 13th St., Detroit, Mich. (See General Box Co.)
Detroit Wood Products Co., wood handles, etc., 4332 Horatio, Detroit, Mich.
Detroit Wks., builders, hdwe. mfrs., sash centers & window pivots, 238 E. Larned, Detroit, Mich.
Dettelbach Co., D., 542 S. Dearborn St., Chicago.
Dettman, Wm. C., cornices, Danville, Ill.
Dettmer & Handwerk, masons' & bldrs.' matls., Slatington, Pa.
Dettra, Jno. C., & Co., flag mfrs., Oaks, Pa.
Detweiler, Theo., masons' & bldrs.' matls., Brookville, Ohio.
Detwiler Monumental Works, Phoenixville, Pa.
Deuel Co., Chas. C., 631 Jones St., Detroit, Mich.
Deuer, C. H., lumber mfr., Missouri Valley, Iowa.
Deuscher Co., H. P., Hamilton, O.
Deuse, J. S., Chester, Conn.
Deutsch Bros. Mfg. Co., 343 Greenwich St., New York.
Deutsch, J. M., Co., furniture, Dept. H, Hornell, N. Y.
Deutz, A., & Bro., masons' & bldrs.' matls. & wholesale hdwe., Laredo, Tex.
Devall Bluff Gin & Milling Co., Devall Bluff, Ark.

De Ved & Sons Sash Weight Co., tin plate, metals, etc., 807 S. Howard, Baltimore, Md.
Develine Foundry & Machine Works, Boulder, Colo.
Development & Const. Co., American Bldg., Baltimore, Md.
Devenpeck Coal Co., masons' & bldrs.' matls., Schenectady, N. Y.
Dever Bros. Paper Co., 272 E. Water St., Milwaukee, Wis.
Deverall Perfection Mfg. Co., Caton Ave. & E. 8th St., Brooklyn, N. Y.
Devere & Schloegel Lbr. Co., 606 Park, Milwaukee, Wis.
Devere Elec. Co., 234 W. 4th St., Cincinnati, O.
Devereaux, Ward, machsts. & fndrs., Bancroft, Mich.
Deverell, W. P., contr., Mead Bldg., Omaha, Neb.
DeVILBISS MFG. CO., THE (The DeVilbiss Spray-painting System), 274 Phillips Ave., Toledo, O.
Devilbiss, G. W., canned goods, Stewartstown, Pa.
Devillers Soap Co., 95 Cliff, New York.
Devine Bros. Co. (Buff Wheels & Water Motors), Utica, N. Y.
Devine Co., J. P., 1200 Clinton St., Buffalo, N. Y.
Devine, Fred D., Co., fishing rods, Utica, N. Y.
Devine, J. C., Co., contractors, Alliance, Ohio.
Devine, P. F., trunk mfr., Lowell, Mass.
Devine Water Motors Co., See Devine Bros. Co., Utica, N. Y.
De Vinne Press, The, 395 Lafayette St., New York.
Devitt, Paul J., mill & facty. supplies, 1101 S. 2d, Philadelphia, Pa.
Devlin, Chas., & Sons, Inc., cotton waste, 3219 Kensington, Philadelphia, Pa.
Devlin, Harry J., htg. contrs., 4123 Lk. Park, Chicago, Ill.
Devlin Mfg. Co., Thos., 3rd & Lehigh Ave., Philadelphia, Pa.
Devney, H. J., marine ry. bldrs., Ashtabula, Ohio.
DeVoe & Raynolds Co., Inc., 101 Fulton St., New York.
De Vore-McGormley Co., contractors, Toledo, Ohio.
De Voss, W. A., architect, Portsmouth, Ohio.
De Vota Lamp & Shade Co., 205 2d, San Francisco, Cal.
Devou Supply Co., V. N., 506-08 Central Ave., Cincinnati, O.
De Voursney Bros., lamps, 389 Broome, New York.
De Vries Bros., machsts., Passaic, N. J.
De Vries, S. J., & Co., lbr., 840 W. 47th, Chicago, Ill.
De Vry Corp., projectors, stereopticons, screens, slides, etc., 1111 Center St., Chicago, Ill.
Dewar Mfg. Co., Inc., 28-34 35th St., Brooklyn, N. Y.
De Walt, R. E., routing, sanding machines, etc., Bridgeton, N. J.
Dewees, Jno. W., machst., 640 Filbert, Philadelphia, Pa.
Deweese Co., F. M., Chillicothe, O.
Deweese-Rogers Lbr. Co., Philadelphia, Miss.
Dewes, John-Gumbs Die Co., die cutting, 403 Broome, New York.
Dewey Bros., Inc., Goldsboro, N. C.
Dewey Co., F. O., 28 Canal St., Boston, Mass.
Dewey Column & Monumental Wks., granite, Barre, Vt.
Dewey Engng. Co., 81 E. 125th St., New York.
Dewey, F. E. & B. A., paper ruling machs., 304 Plainfield, Springfield, Mass.
Dewey, Inc., Henry A., 401 Concord Ave., New York City.
Dewey Mfg. Co., machsts. & fndrs., Dewey, Okla.
Dewey Portland Cement Co., Mutual Bldg., Kansas City, Mo.
Dewey, R. E., thermostats, Grand Rapids, Mich.
DEWEY SPECIALTY & CHEMICAL CO., THE, West Park Station, Philadelphia, Pa.
Dewing & Sons, Kalamazoo, Mich.
De Witt Boag Co., silk thread, Hornell, N. Y.
De Witt, E. W., & Son, brass fndrs., Port Carbon, Pa.
De Witt, H. E., Lbr. Co., masons' materials, Lynchburg, Va.
De Witt Lumber Co., H. H., Little Rock, Ark.
De Witt Rice Mill Co., De Witt, Ark.
De Woody's, auto accessories, 1256 Liberty, Franklin, Pa.
Dewsberry, R. A., ice cream freezers, 1936 W. Lake, Chicago, Ill.
Dexheimer, P., & Sons, contractors, Orange, N. J.
Dexter & Bowles, mill & facty. supplies, 317 Main, Springfield, Mass.
Dexter & Sons, Inc., C. H., Windsor Locks, Conn.
Dexter, A. M. (Est. of), mill & facty. supplies, Mattapoisett, Mass.
Dexter Bros. Co., 105-107 Broad St., Boston, Mass.
Dexter Co., Inc., Goshen, N. Y.
Dexter Co., washing machines, Fairfield, Iowa.
Dexter Farming Canning Co., Dexter, Iowa.
Dexter Folder Co., 28 W. 23rd st., New York.
Dexter, H. C., Chair Co., book cases, Black River, N. Y.
Dexter, I. H., Co., flexible couplings, 177 Greenwich Ave., Goshen, N. Y.
Dexter Ironing Board Co., 1115 13th Ave., Oakland, Cal.
Dexter Lumber Co., sash, door & blind, 4765 Montg'y Pk., Norwood, Cincinnati, Ohio.
Dexter Metal Mfg. Co., bank & office fixtures (metallic), 93 Arch, Camden, N. J.
Dexter Portland Cement Co., Nazareth, Pa.
Dexter Sulphite Pulp & Paper Co., Dexter, N. Y.
Dexter Woodworking & Bldrs.' Supply Co., sash, door & blind mfrs., Dexter, N. Y.
Dexter Yarn Co., Pawtucket, R. I.
Dey, J. F., Co., contractors, 11 Highland Ave., Newark, N. J.
Deyesen Mfg. Co., bench drilling machy., 2062 Santa Fe Ave., Los Angeles, Cal.
Deyo-Macey Engine Co., Binghampton, N. Y.
De Young, A. W., ft. Chestnut, Alameda, Cal.
Deysher, Abner S., packing box mfrs., Reading, Pa.
De Zeng Standard Co., instruments, surgical & dental, Camden, N. J.
Dlack & Smith, 161 Larned St., W., Detroit, Mich.
Diadem Mfg. Co., horn combs, 114 Lunenburg, Fitchburg, Mass.

DIAGRAPH STENCIL MACHINE CORP., 1600 S. Kingshighway Blvd., St. Louis, Mo.
Pres. & Treas.—T. W. Remmers.
V. P.—C. L. Russell.
Sec.—Jas. A. MacRoberts.
Sales Mgr.—Jas. W. Brigham.
P. A.—F. W. Herbkesmann.
Distributors & Representatives:
CALIF.—San Francisco—F. A. Thomas Co., 516 Wells Fargo Bldg., Sutter 809.
COLO.—Denver—E. O. Alston, 1754 Champa St.,
GA.—Atlanta—J. R. Regnas, 10-14 Tift St.
ILL.—Chicago—Great Lakes Shippers Sup. Co., 200 N. Jefferson St., Haymarket 5303.
IND.—Indianapolis—A. L. Krug, 118 Virginia Ave., Drexel 2330.
LA.—New Orleans, Clark D. Shaughnessy Co., 619 Baronne St.
MD.—Baltimore—J. F. W. Dorman Co., 526 N. Calvert St., Vernon 6812.
MASS.—Boston—H. R. Hale, 32 Oliver St., Main 3657.
MICH.—Detroit—Volk Stamp & Stencil Co., 533 Griswold St., Main 3457.
MINN.—Minneapolis—Meier-Frost Co., 251 Sixth Ave.
St. Paul—Meier-Frost Co., 16 E. Fourth St.
MO.—Kansas City—K. M. Supply Co., 123 W. 8th St., Main 6770.
N. Y.—New York—C. E. Marshall, 96 Warren St.
O.—Cincinnati—Greg. G. Wright & Son, 119 Opera Pl., Canal 3748.
Cleveland—Heller Brothers, 1276 W. Third St., Main 380.
ORE.—Portland—W. W. Musgrave, 511 McKay Bldg., Broadway 7638.
PA. — Philadelphia — Diagraph Stencil Machine Corp. 439 Arch St., Filbert 2065.
Pittsburgh—M. E. Cunningham Co., 625 Smithfield St., Grant 642.
TENN.—Memphis—Wurzburg Bros.
TEX.—Dallas—Pierre L. Russell, Inc., 406 S. Lamar St.
WASH.—Seattle—Schwartz Co., 425 Central Bldg.
WIS.—Milwaukee, Meier-Frost Co., 134 Jefferson St.
CAN.—Montreal, Que.—A. L. Phillips, 416 Phillips Pl.
ENGLAND—London, Diagraph Stencil Machine Co., Ltd., 82 Mark Lane, Cor. Fenchurch St.
INDIA—Calcutta—Walter Locke & Co.
JAPAN—Osaka—Kawakita Denki Kigyosha, Ltd.
SWEDEN—Stockholm—Ralph Forstedt, Vasagatan, 36.

Diamant Tool & Mfg. Co., Inc., machinists, 97 Runyon, Newark, N. J.
Diament, J. E., Co., canned goods, Cedarville, N. J.

DIAMOND ALKALI CO., 511 Wood St., Pittsburgh, Pa. (Mfrs.).
Distributors and Representatives:
CALIF.—Los Angeles—Maillard & Schmiedell, 947 E. Fourth St., Broadway 8152.
San Francisco—Hagens & Co., 112 Market St., Douglas 6430.
Maillard & Schmiedell, 203 California St., Sutter 6920.
COLO.—Denver—Mine & Smelter Supply Co., 17th & Blake, Main 515.
IA.—Burlington, Churchill Drug Co.
Cedar Rapids—Churchill Drug Co.
LA.—New Orleans—Aubrey Bartlett, 707 Carondelet Bldg.
MASS.—Boston—Linder & Meyer, 89 State St., Main 5796.
Marble Nye Co., 77 Pearl St., Main 0967 (New England Repr. for Soda Ash).
Worcester—Marble-Nye o., 18 Foster St., Park 2420 (New England Repr. for Soda Ash)
MICH.—Detroit—Clement F. Kress Co., 15th & W. Jefferson, West 495.
MO.—Kansas City, John T. Kennedy Sales Co., Southwest Blvd. & 26th St., Harrison 6203.
Thompson, Hayward & Schleuter, 2932 Fairmont.
St. Louis—Mound City Chemical Co., 306 N. Comercial St., Olive 2928.
N. J.—Jersey City, W. F. George Chemicals, Inc.
Newark—W. F. George Chemicals, Inc.
National Oil & Supply Co., 172 Frelinghuysen Ave., Waverly 0601.
N. Y.—Albany—W. F. George Chemicals, Inc.
Brooklyn—W. F. George Chemicals, Inc.
Peters, White & Co., Inc.
Buffalo—H. J. Rolls, 401 Ellicott Square Bldg., Seneca 1190.
New York—W. F. George Chemicals, Inc., 42 Broadway, Broad 5428.
Peters, White & Co., Inc., 110 William St., Beeckman 8850.
Syracuse—W. F. George Chemicals, Inc.
Utica—W. F. George Chemicals, Inc.
O.—Cincinnati, Buckeye Soda Products Co., 22 W. Second St.
Cleveland—R. E. Smead Co., 527 Hanna Bldg., Main 7084.
Columbus—Buckeye Soda Products Co.
Dayton—Chas. B. Smith, Mutual Home Bldg., Main 6788.
OKLA.—Oklahoma City—Mound City Chemical Co.
ORE.—Portland—Maillard & Schmiedell, Board of Trade Bldg., Broadway 3715.
PA.—Philadelphia, Consumers Chemical Co., Drexel Bldg., Spruce 1505.
T. G. Cooper & Co., 47 N. Second St., Market 2227.
Geo. P. Morgan & Co., 32 N. Front St., Market 0571.
Reading—Textile Chemical Co.
TENN.—Knoxville—James M. Sullins, 617.
TEX.—Dallas—United Chemical Co., 1404 Magnolia Bldg.
El Paso—J. M. Booth Chemical Co., 1320 E. Overland St.
Mine & Smelter Supply Co., 17th & Blake.
TEX.—Fort Worth, Mound City Chemical Co.
Wichita Falls—Mound City Chemical Co.
WASH.—Seattle—Maillard & Schmiedell, 24 W. Conecticut, Main 0405.
W. VA.—Wheeling—R. A. McCabe, 204 Board of Trade Bldg.

Diamond Braiding Mills, shoe laces, Chicago Heights, Ill.
Diamond Brick Co., Oak Hill, Ohio.
Diamond Cable Co., lightning rods, Bourbon, Ind.
Diamond Calk & Horseshoe Co., Duluth, Minn.
Diamond Candle Co., 326 Leonard, Brooklyn, N. Y.

DIAMOND CHAIN & MFG. CO., 502 Kentucky Ave., Indianapolis, Ind.
Branch Offices:
Chicago—20 E. Jackson blvd.
Cleveland—340 Leader-News Bldg.
New York—18 Hudson.
Diamond Chain Co., York, Pa.
Diamond Clamp & Flask Co., 538-540 N. 14th St. Richmond, Ind.
Diamond Coal Co., Albuquerque, N. M.
Diamond Crystal Salt Co., St. Clair, Mich.
Diamond Cupped Bearing Co., 130 Manhattan, New York.
Diamond Die Co. of Amer., 116 W. 32nd St., New York.
Diamond Drill Carbon Co., The, 65 Park Row, New York.

DIAMOND DRILL CONTRACTING CO., 429 1st av., Spokane, Wash.
Diamond Drilling Co., contr., 768 Mission, San Francisco, Cal.
Diamond Electric Co., Peoria, Ill.
Diamond Elec. Soap Co., Greenfield, Mass.
Diamond Electric Specialties Corp., 101 S. Orange, Newark, N. J.
Diamond Elec. Water Heater Co., Kohl Bldg., San Francisco, Cal.

DIAMOND EXPANSION BOLT CO., 89 West, New York.
Factory:
Garwood, N. J.
Branch Offices:
Chicago, Ill.—549 W. Washington.
Dallas, Texas—509 North Texas Bldg.
Philadelphia—17 N. 6th.
St. Louis, Mo.—1735 Boatman's Bank Bldg.
San Francisco, Calif.—267 Minna.
Foreign Offices:
Montreal, Que., Can.—290 St. Paul West.
Toronto, Ont., Can.—62-64 Temperance.
Winnipeg, Man., Can.—503 Keewayden Bldg.
Manchester, England.

Diamond Fire Brick Co., Canon City, Colo.
Diamond Fdry. Co., Exchange & Aronadale, Akron, O.
Diamond Glass Co., 1447 W. 25th St. Cleveland, O.
Diamond Glass Co., bottle mfrs., Royersford, Pa.
Diamond Glue Co., gelatine mfrs., Ill. Mich. Canal, Chicago, Ill., & 1224 N. Front, Philadelphia, Pa.
Diamond Glue Co., Gowanda, N. Y.
Diamond, H. I., Holfast Sales Co., insulating tape, Lakewood Ave., Atlanta, Ga.
Diamond Huller Co., Winona, Minn.
Diamond Ink Co., 3033-43 Galena St., Milwaukee, Wis.
Diamond Iron Works, 18th Ave. and 2nd St., Minneapolis, Minn.
Diamond, L. J., boilers, Elwood, Ind.
Diamond Leather Co., 307 Race, Philadelphia, Pa.
Diamond Lumber Co., Green Bay, Wis.
Diamond Machine Co., Monongahela, Pa.
Diamond Machine Co., 9 Codding St., Providence, R. I.
Diamond Match Co., The, 30 Church st., New York.
Diamond, McDonnall & Co., 409 N. 4th St., Philadelphia, Pa.
Diamond Metal Weather Strip Co., Columbus, Ohio.
Diamond Mfg. Co., Wyoming, Pa.
Diamond Mill Co., flour, Sherman, Texas.
Diamond Mills Paper Co., 44 Murray St., New York.
Diamond Mountain Lbr. Co., Susanville, Cal.
Diamond, Nicholas, & Co., sample cases, 616 W. Adams, Chicago, Ill.

DIAMOND POINTED TOOL CO., 101 Beekman st, New York.
Diamond Pole & Piling Co., Escanaba, Mich.
Diamond Portland Cement Co., 1616 Williamson Bldg., Cleveland, O.
Diamond Power Specialty Co., 10340 Oakland, Detroit, Mich.
Diamond Press Brick Co., Ferris, Tex.
Diamond Red Paint Co., 2750 N. Lincoln St., Chicago.

DIAMOND RUBBER COMPANY, INC., THE, Main Office and Factory, 500 S. Main St., Akron, O.
Branches:
Atlanta, Ga.—19 Stewart Ave.
Boston, Mass.—869 Boylston St.
Chicago.—1925 Michigan Ave.
Dallas, Tex.—1201 Young St.
Kansas City, Mo.—23rd & Grand Ave.
Los Angeles, Cal.—1386 E. Seventh St.
New York.—1780 Broadway.
Philadelphia, Pa.—1248 N. Broad St.
San Francisco, Cal.—650 Second St.
Seattle, Wash.—115 King St.
Distributors:
ALA.—Birmingham—Smith-Meadow Supply Co., Inc.
Mobile—Turner Supply Co.
Selma—Union Iron Work.
ARK.—Little Rock-Central Supply Co.
Calif.—Bakersfield-Pioneer Mercantile Co.
San Francisco—Crandley Rubber & Supply Co., Pacific Coast Rubber Co., Sutter 854.
COL.—Denver—T. S. Castello, Boston Bldg., Main 691.
CONN.—Hartford—Avery, Kretzmer, Olcott, Inc.,
New Haven—The Clark-Wilcox Co.
DIST. of COL.—Washington—Carroll Electric Co., Main 7320.
FLA.—Jacksonville—Pierce, Butler & Pierce Mfg. Corpn.
GA.—Atlanta—Beck & Gregg Hardware Co.
Pierce, Butler & Pierce Mfg. Corpn.
ILL.—Chicago—O. C. Beckley Co., 565 Washington Blvd., Star Packing & Supply Co., 189 N. Clark St., State 8442.
IND.—Evansville—Evansville Supply Co.
Kokomo—Kokomo Supply Co.
Terra Haute—Power Supply Co.
IA.—Cedar Rapids—Orr Bros. Supply Co.
KAN.—Eureka—The Drillers Supply Co.
Chanute—Sunshine Mantle Co.
Coffeyville—Robinson Packer Co.
Wichita—Phillips & Easton Supply Co.
LA.—Monroe—Weaks Supply Co.
New Orleans—A. M. Lockett & Co.
MD.—Baltimore—Central Metal & Supply Co., 609 E. Lombard St., Plaza 6480.
Federal Belting Co., S. W. Corner Gay & Lombard Sts., Plaza 2772.
Taylor Supply Co., Wolfe 1255.
Hagerstown—The Feltz Mfg. & Supply Co.
MASS.—Boston—Manning, Maxwell & Moore, Inc.
C. J. McCarty Co., 99 Chauncy St., Beach 24824.
Underwriters Equipment Co., 176 Federal St.
Holyoke—J. Russell & Co.
MICH.—Bay City—The Meisel-Williams Co.
Detroit—Detroit Rubber Products, Inc., Cadillac 6801.
Kalamazoo—Cable Sales Co.
Petoskey—Bremmeyr-Bain Co.
MINN.—Virginia—Murray-McLeod Co.
MO.—Joplin—Myers Tri-State Supply Co.
Kansas City—Victor L. Phillips Co., 7th & Delaware Victory 8551.
St. Joseph—The Russell & Co.
St. Louis—O'Fallon Railroad Supply Co., Arcade Bldg. Olive 1738.
NEB.—Norfolk—Standard Tire & Supply Co.
Omaha—Western Water Works Supply Co., 526 Securities Bldg.
N. J.—Jersey City—Smyth Rubber & Packing Co.
N. Y.—Elmira—Horton Machine Works, Inc.
Gloversville—J. E. Sowle Co.
Troy—Troy Belting & Supply Co.
N. C.—Greensboro—Odell Hardware Co.
Washington—Harris Hardware Co.
O.—Cincinnati—The Wirthlin-Mann Co., Plum & Commerce, Main 3380.
Cleveland—The Consumers Rubber Co., Main 1584.
Newark—The Universal Supply Co., Market 0174.
Toledo—The M. I. Wilcox Co., 212 Water, Adams 25.

(Continued on following page)

DIAMOND RUBBER CO.—Continued.
OKLA.—Oklahoma City—Corken Machinery & Supply Co.
Tulsa—Robinson Packer Co., 210 N. Main St.
Ryan Equipment Co., 2-8 S. Main St.
ORE.—Portland—General Rubber & Supply Co., 65 Front St, Broadway 7432.
PENN.—Allentown—Wm. H. Taylor & Co.
Altoona—Standard Supply & Equipment Co.
Bradford—Bovaird & Seyfang Mfg. Co.
Du Bois—Du Bois Iron Works.
Lewistown—Lewistown Foundry & Machine Co.
Philipsburg—Philipsburg Hardware Co.
Pittsburgh—Johnston-Moorehouse-Dickey Co., 108 Market, Court 788.
Scranton—The Harry G. Murphy Sales Co.
Wilkes-Barre—White Hardware Co.
S. C.—Columbia—Columbia Supply Co.
Orangeburg—J. W. Smoak.
Sumter—Sumter Railway & Mill Supply Co.
TENN—Knoxville—C. M. McClung & Co.
Nashville—Nashville Machine & Supply Co.
TEX.—Dallas—Neuy & Philp Hardware Co., Oriental Oil Co.
Southwest Belting & Packing Co.
Eagle Pass—Eagle Hardware Co.
Ft. Worth—Texas Manufacturing Co., 321-27 W. 15th.
Galveston—Black Hardware Co.
Houston—Girten Belting & Supply Co., 1017-19 Franklin Ave., Preston 2672.
Republic Supply Co., Carter Bldg., Preston 7991.
Laredo—Cia Ferretera del Rio Bravo.
Paris—W. F. Dulaney & Sons.
Wichita Falls—Petrolia Supply Co.
UTAH—Salt Lake City—The C. H. Jones Co.
VT.—Burlington—Hager Hardware & Paint Co.
Montpelier—Deming Hardware Co.
VA.—Bristol—Interstate Hardware & Supply Co.
Lawrenceville—Sledge & Barkley Co., Inc.
Norfolk—C. E. Thurston & Co.
Petersburg—Appomattox Iron Works & Supply Co.
Richmond—James McGraw, Inc.
Roanoke—Nelson Hardware Co.
Suffolk—Thomas Hardware & Supply Co.
WASH.—Seattle—Steam Supply & Rubber Co., 308 1st St., Main 0617.
Tacoma—Paramount Supply Co.
W. VA.—Bluefield—Bluefield Supply Co.
Huntington—Hartley Rubber Co.
Wheeling—The Chas H. Berry Supply Co.
WIS.—Green Bay—Morley-Murphy Hardware Co.
Madison—Wisconsin Foundry & Machine Co.
Milwaukee—J. R. Petley Co., 318 E. Water, Broadway 5631.
Wausau—Wisconsin River Supply Co.
CAN.—Vancouver, B. C.—Fleck Bros., Limited.

Diamond Rubber Co., Inc., S. Main, Akron, Ohio.

DIAMOND SAW & STAMPING WORKS, 357 7th st., Buffalo, N. Y.

Diamond Show Case Co., 2210 Superior, N. W., Cleveland, Ohio.
Diamond Signal Co., auto signals, 181 Beale, San Francisco, Cal.

DIAMOND STATE FIBRE CO., Dept. 37, Bridgeport, Pa.

Diamond Steel Pole Co., Land Title Bldg., Philadelphia, Pa.
Diamond Stone Co., Passaic, N. J.
Diamond T Motor Car Co., 35 N. Sangamon St., Chicago.
Diamond Tack & Nail Works, 205 Lincoln St., Boston, Mass.
Diamond Textile Machine Wks., Harrison Bldg., Philadelphia, Pa.
Diamond Tool & Die Co., lathes, tools, 438 Asylum, Hartford, Conn.
Diamond Veneer & Lumber Co., Shelbyville, Ind.
Diamond Veneer Co., Edinburg, Ind.
Diamond Wall Cement Co., Williamsport, Pa.
Diamond Whip Co., axle & leather washers, 406 N. Curtis, Chicago, Ill.
Diamond Wire & Iron Wks., oven wire goods, 201 N. West, Indianapolis, Ind.
Diana Fruit Preserving Co., Park Ave. & Maple, Santa Clara, Cal.
Diana Paper Co., Watertown, N. Y.
Diata Flooring Co., 1709 N. Spring, Los Angeles, Cal.
Dibert, Bancroft & Ross, New Orleans, La.
Dibert, Stark & Brown Cypress Co., Donner, La.
Dibble, Chas. E., contractor, Adrian, Mich.
Dibble Color Co., auto paints, 445 Larned, Detroit, Mich.
Dibble, S. B., Lumber Co., North Adams, Mass.
Dibert, L. C., Co., flour & rice mill machy., 35 Minna, San Francisco, Cal.
Di Bona, Luigi, granite, W. Quincy, Quincy, Mass.
Dice Machine Co., Inc., Anderson, Ind.
Dick & Monaco, contrs., Bernardsville, N. J.
Dick & Traeger Co., 2216-56 W. Kinzie St., Chicago.
Dick Bros. (Inc.), cocks (basin, bath), machsts. & fndrs., Reading, Pa.

DICK CO., A. B., 730-744 W. Jackson Blvd., Chicago.
Pres.—A. B. Dick.
Secy.—W. G. Arnold.
Treas.—A. B. Dick, Jr.
Cincinnati—138 East 6th St.
New York—395-397-399 Broadway.
Philadelphia, Pa.—1611 Chestnut St.
Pittsburgh, Pa.—200 Ninth St.
St. Louis—1011 Locust St.
Washington, D. C.—723 12th St., N. W.

Dick Co., Inc., R. & J., Colfax Ave., Passaic, N. J.
Dick David & Heller Co., dye woods, Chicago Heights, Ill.
Dick, J. H., trunk mfrs., 645 W. Madison, Chicago, Ill.
Dick, J. I., Co., cornices, Scottdale, Pa.
Dick Mfg. Co., Joseph, Canton, O.
Dick, R. & J., Ltd., belting, turned shafting & wrought steel pulleys, Passaic, N. J.
Dick Sand Co., Franklin, Pa.
Dick, W. W., heating contr., 246 Belle Meade, Greensboro, N. C.
Dick, Wilmot, contractors, Camden, N. J.
Dickason, Goodman, Lbr. Co., K. & P. Bldg., Kansas City, Mo.
Dicke Tool Co., Downer's Grove, Ill.
Dickelman Mfg. Co., Forest, O.
Dickenson Fire Brick Co., Buena Vista, Va.
Dickerman & Co., masons' & bldrs.' matls., Concord, N. H.
Dickerman Hardware & Supply Co., Wallingford, Conn.
Dickerman, J. A., Gardner, Mass.
Dickerson Bldg. Supply Co., sash, door & blind, Fairmont, W. Va.
Dickerson Lbr. Co., masons & bldrs. mtls. & sashes, 520 22d, Huntington, W. Va.
Dickerson, Van Dusen, & Co., tin, plate, 32 Cliff, New York.
Dickey, A., & Co., porch columns, rope mouldings, etc., 37 Bristol, Boston, Mass.
Dickey, A. P., Mfg. Co., see Johnson & Field Mfg. Co. (successors).
Dickey Belting Co., Lewiston, Me.
Dickey, C. W., & Donovan, John J., architects, 414 15th, Oakland, Cal.
Dickey Clay Mfg. Co., W. S., 200 N. Y. Life Bldg., Kansas City, Mo.

DICKEY-GRABLER CO., THE, Madison Ave. & W. 103rd st., Cleveland, O.
Pres.—A. D. Kidwell.
V. P.—A. H. Dickey.
Treas. & Gen. Mgr.—A. W. Hartman.

Dickey, H. M., masons' & bldrs.' matls., Oldtown, Me.
Dickey Mfg. Co., Indiana Harbor, Ind.
Dickey, Robert & Co., broom corn, 25th & A. V. R. R., Pittsburgh, Pa.
Dickey Steel Co., 233 Broadway, New York.
Dickie Construction Co., Syndicate Trust Bldg., St. Louis, Mo.
Dickie, D. W. & R. Z., naval architects, 112 Market, San Francisco, Cal.
Dickinson & Co., canned goods, Eureka, Ill.
Dickinson & Co., J. Q., Malden, W. Va.
Dickinson & Hockenberry, contractors, Marietta, Ohio.
Dickinson Ball Bearing Wheel & Vehicle Co., Little Rock, Ark.
Dickinson Brick & Tile Co., Glasgow, Ky.
Dickinson Bros., masons' & bldrs.' matls., Glasgow, Ky.
Dickinson, C. W., Jr., machst., Belleville, N. J.
Dickinson Co., canned goods, Oswego, Ore.
Dickinson Co., D. L., 401 Ford Bldg., Detroit, Mich.
Dickinson Fire & Pressed Brick Co., Dickinson, N. D.
Dickinson Fire Brick Co., Buena Vista, Va.
Dickinson, Guy B., Syracuse, N. Y.
Dickinson, H. H., Builders' Supply Co., 5785 Hamilton, Detroit, Mich.

DICKINSON, INC., PAUL, 3334 S. Artesian Ave., Chicago.
Pres.—A. J. Filkins.
Sec.—E. B. Filkins.
C. W. Hansen.
A. E. Engman.

Dickinson Thos. L., 36 Gold St., New York.
Dickinsons, A., Sons, lbr., Ashuelot, N. H.
Dickison, Guy B., contrs., Union Bldg., Syracuse, N.Y.
Dickman Fish Co., O. H., 9 E. 2nd St., Cincinnati, O
Dickman Lumber Co., North End Water Front, Tacoma, Wash.
Dickover & Son, Geo. T., Wilkes Barre, Pa.
Dickover, M. A., contrs., Hammond, Ind.
Dickow Machy. Co., Inc., Fred C., 2105 W. Lake St., Chicago.
Dicks, David Co., Inc., 19 N. Moore St., New York.
Dicks-Pontius Co., Wayne Ave., Dayton, O.
Dicks, Slosson Co., Inc., humidifying app., 302 B'way, New York.
Dicks Stamping Co., Inc., 500 Genesee St., Buffalo, N. Y.
Dickson & Bull, mfr. artificial limbs, 2116 Telegraph av., Oakland, Cal.
Dickson & Co., mill & facty. supplies, New Castle, Pa.
Dickson & Co., Stewart, 18 Front St., New York.
Dickson, A. L., contrs., Jackson, Miss.
Dickson Bros., drain tile, Whiteland, Ind.

DICKSON CAR WHEEL COMPANY, Washington & S. P. Crossing, Houston, Tex.
Pres.—Henry H. Dickson.
V. P.—John F. Dickson.
Secy. & Treas.—Eugene A. Heyck.

Dickson, J. W., machsts. & fndrs., Castle Rock, Wash.
Dickson, J. W., Co., lumber, Lbr. Exch. Bldg., Memphis, Tenn.
Dictaphone Corp., 280 Broadway, New York, N. Y.
Dictator Fountain Pen Co., 342 Madison Ave., New York.
Dictograph Products Corp., 220 W. 42nd St., New York.
Didier-March Co., Perth Amboy, N. J. (Now Seaboard Refractories Co.)
Didier, Wm., Mfg. Co., machsts., Racine, Wis.
Die Cast Fibre Co., C & Buttonwood, Wilmington, Del.
Die Casting & Specialty Mfg. Co., 2926 Telegraph av., Berkeley, Cal.
Die Molding Production Co., insulation, Rasbach, Canastota, N. Y.
Diebitsch, Emil, Inc., contrs., 70 E. 45th St., New York.
Diebold Elec. Co., mach. dlrs., Salt Lake City, Utah.
Diebold Lumber & Mfg. Co., 99 Wabash St., Pittsburgh, Pa.
Diebold Products Co., machsts., 5333 St. Clair, Cleveland, Ohio.

DIEBOLD SAFE & LOCK CO., Canton, O.
Branch Offices:
Baltimore—12 S. Hanover.
Boston—108 Sudbury.
Chicago—122 S. Wells.
Cleveland—2172 E. 9th.
Detroit—27 Jefferson av.
Minneapolis—238 S. 4th.
New York—372 Broadway.
Omaha—1212 Farnam.
Pittsburgh—240 Second av.
St. Paul—385 Jackson.
Washington, D. C.—506 10th st., N. W.

Dieckmann Co., Ferdinand, 1182 Harrison Ave., Cincinnati, O.
Dieckmann Hardwood Co., Beach & Taylor, San Francisco, Cal.
Dieckmann, J. H., Jr., lbr., 110 Sutter, San Francisco, Cal.
Diederich Mfg. Co., engine pistons, 6010 Woodward av., Detroit, Mich.
Diefenbacher, Philip, & Son, hollow bldg. blocks, Massillon, O.
Diefenderfer & Dinwiddie Co., who. hdwe., Sheridan, Wyo.
Diefendorf Gear Corp., 324 Pearl St., Syracuse, N. Y.
Diefenthaler & Co., brick & tile, Millbury, O.
Dieffenbach-Westendorf Manufacturing Co., Baltimore, Md.
Dieffenbacher, P., & Sons, contractors, Massillon, Ohio.
Dieges & Clute, 64 W. Randolph St., Chicago.
Diehl, D. S., & Co., lbr., Colville, Wash.
Diehl Machine Works, G. M., Wabash, Ind.
Diehl Mfg. Co., Trumbull St., Elizabeth, N. J.
Diehl, Omwake & Diehl, masons' & bldrs.' matls., Chambersburg, Pa.
Dielectric Mfg. Co., Vandeventer & Duncan Ave., St. Louis, Mo.
Dielmann, Jno. C., masons' & bldrs.' matls., San Antonio, Tex.
Dielmann, L. M. J., architect, 306 E. Commerce, San Antonio, Tex.
Diem & Wing Paper Co., Gilbert Ave. Viaduct, Cincinnati, O.
Diemer Co., John F., 107-109 Lafayette St., New York.
Diemoulding Production Co., Inc., Canastota, N. Y.
Dienelt & Eisenhardt, Inc., 1304 N. Howard St., Philadelphia, Pa.
Diener, T. C., & Co., stone producers, 1157 W. 21st, Chicago, Ill.

DIENER MFG. CO., GEO. W., 400 to 429 Monticello av., Chicago.
Pres. & Treas.—Geo. W. Diener.
Sec.—H. W. Diener.

DIENST CO., INC., A. P., 140th St. and 3rd Ave., New York.

Diepress Co., Inc., The, 37 Mill Ct., Cazenovia, N. Y.
Diercks-Blodgett Shipbldg. Co., Pascagoula, Miss.
Dieringer Bros. Furniture Mfg. Co., 1169 Folsom St., San Francisco, Cal.
Dierks & Sons Lbr. Co., sash, door & blind mfrs., 19th, cor. Woodland av., Kansas City, Mo.
Dierks Lbr. & Coal Co., masons' & bldrs.' matls., Gates Bldg., Kansas City, Mo.
Diestel, John, contrs., 235 Montgomery, San Francisco, Cal.
Diestler Co., lumber, Hortonville, Wis.
Dieter & Wenzel Construction Co., contrs., Joplin, Mo.
Dietrich Bros., 220 Pleasant St., Baltimore, Md.
Dietrich, H. A. R., htg. contrs., South Bethlehem, Pa.
Dietrich, J., & Co., soap, San Antonio, Tex.
Dietrich, John H., carriages, Greenm't Gorsh av., Baltimore, Md.
Dietrich-Post Co., 75 New, Montgomery, Calif.
Dietrichs Valve-Oleum Oil Co., lubricating oils, 1252 W. 70th, Cleveland, O.
Diets, S. J., mchsts. & fdrs., Bloomington, Ill.
Dietsch, A., Co., sash, door & blind mfrs., 2640 Sheffield av., Chicago, Ill.
Dietz & Co., J. F., 4851 Spring Grove Ave., Cincinnati, O.

DIETZ CO., R. E., 60 Laight st., New York..Page 891
Pres. & Gen Mgr.—J. E. Dietz.
V. P.—Robt. E. Dietz.
Secy.—F. W. Van Duyn.
Asst. Secy.—F. H. Twombly.
Sales Mgr. Railroad & Motor Truck Lamps—James Barnes.

Dietz, C. N., Lbr. Co., Omaha, Neb.
Dietz, Fred, Co., wire bound boxes, 1102 Madison av., Indianapolis, Ind.
Dietz Machine Works, 126 Fountain St., Philadelphia, Pa.
Dietz Mfg. Co., dish washing machy., Dept. H, Findlay & Canal, Cincinnati, Ohio.
Dietz, R., Leather Co., 155 Pleasant, Lynn, Mass.
Dietz, W. G., stone, Palmyra, Pa.
Dietze, Oscar, cornices, 208 E. 74th, New York.
Dietzgen, Eugene, Co., "T" squares, architects' & engineers' instruments, 166 W. Monroe, Chicago, Ill.
Diez & Roemer Brass Co., mchsts. & fndrs., 212 Fallsway, Baltimore, Md.
Diffany & Co., machsts., 436 Mulberry, Newark, N. J.
Differential Car Co., Inc., dumping cars, 32 Broadway, New York.

DIFFERENTIAL STEEL CAR CO., THE, Findlay, O.

Di Fiore, D., Canning Co., San Jose, Cal.
Digestive Ferments Co., 920 Henry, Detroit, Mich.
Diggs & Beadles, fertilizer mfrs., Richmond, Va.
Diggs, D. W., fire extinguishers, 601 W. 26th St., New York.
Diggs, S., flour mills, Oliver Springs, Tenn.
Dighton Furnace Co., 260 Congress av., Chelsea, Mass.
Dighton Stove Lining Co., Dighton, Mass.
Dikeman Mfg. Co., Norwalk, Conn.
Dildine Bridge & Iron Co., Hannibal, Mo.
Dilg-Fleet Mfg. Co., Inc., The, 27 E. 125th st., New York.
Dilks, D. H., & Sons, contrs., Quincy, Ill.
Dilks, Albert W., 107 N. 34th, Philadelphia, Pa.
Dill & Collins Co., 112 N. 12th st., Philadelphia, Pa.
Dill & Co., J. T., 88 Walker St., New York.
Dill & Co., Lewis, Keyser Bldg., Baltimore, Md.
Dill-Cramer-Truitt Corp., Suffolk, Va.
Dill-Crossett, Inc., Postal Telegraph Bldg., San Francisco, Calif.
Dill, Jas. B., flour mills, Huntingdon, Tenn.
Dill Machine Co., T. C., Somerset & Masher Sts., Philadelphia, Pa.
Dill Mfg. Co., The, 684 E. 82nd St., Cleveland, O.
Dill, Wm. H., Co., contractors, 153 Masten av., Buffalo, N. Y.
Dillard Crawley Hardware Co., Blackstone, Va.
Dillard & Jones, flour mills, Mineral Springs, Ark.
Dille & Harris, masons' & bldrs.' matls., Valparaiso, Ind.
Dille & McGuire Mfg. Co., Richmond, Ind.
Dillehay Brick Co., Danville, Ky.
Diller Clay & Stone Co., Lancaster, Pa.
Diller Mfg. Co., machinists, Bluffton, Ohio.
Dilley & Son, Geo. E., Palestine, Tex.
Dilleye, Clinton L., Co., masons' & bldrs.' matls., Logansport, Ind.
Dilleye, Geo. E., & Son, mill & facty. supplies, logging cars, locomotives, etc., Palestine, Texas.
Dilig Engineering Co., Wabash Bldg., Pittsburgh, Pa.
Dilling Cotton Mills, Kings Mountain, N. C.
Dillingham Mfg. Co., Sheboygan, Wis.
Dillman, I. M., sashes, doors & blinds, Long Beach, Cal.
Dillon, J., & Co., contrs., 179 W. Washington, Chicago, Ill.
Dillon & Co., John, 2953 S. Halsted St., Chicago.
Dillon Automatic Flue Blower Co., A. S., 2443 Olive St., Kansas City, Mo.
Dillon Electric Co., Canton, O.
Dillon Hardware Co., 1520 15th, Denver, Colo.
Dillon, John L., masons' & bldrs.' matls., Salem, N. Y.
Dillon, J. W., masons' & bldrs.' matls., Thomasville, Ga.
Dillon Lock Works, Fort Dodge, Ia.
Dillon, McLellan & Beadel, architects, 149 Broadway, New York.
Dillon Machine Co., Lawrence, Mass.
Dillon, Moses, Co., masons' & bldrs.' matls., Sterling, Ill.
Dillon Plow Works, Dillon, S. C.
Dillon Steam Boiler Works, D. M., 20 Myrtle av., Fitchburg, Mass.
Dillon Supply Co., Raleigh, N. C.
Dillon's, E., Sons, lime mfrs., Indian Rock, Va.
Dilts Machine Works, Inc., Fulton, N. Y.
Dilworth Co., J. E., 493 S. Main St., Memphis, Tenn.
Dilworth, Porter & Co., Inc., 4th & Bingham Sts., Pittsburgh, Pa.
Dilzer, Fred, htg. contractor, 218 W. Kinzie, Chicago, Ill.
Dimler Mach. Tool Co., Dayton, O.
Dimock & Fink Co., 220 E. 125th St., New York.
Dimock, Gould & Co., lbr. mfrs., Moline, Ill.
Dimond, J. H. E., & Son, carriages, Urbana, Ohio.
Dimond Milling Co., cereal foods, Keokuk, Iowa.

Dimond-Union Stamp Works, 136 Washington, Boston, Mass.
Dines, Wm. L., Jr., Co., machsts. & rice & coffee hulling machy., 19 Monteney, Worcester, Mass.
Dingee & Co., M. H., 254 Water St., New York.
Dingley, E. S., Co., canned goods, West Farmington, Me.
Dings, Chas. W., mill & factory supplies, Oswego, N. Y.

DINGS MAGNETIC SEPARATOR CO., 616 Smith st., Milwaukee, Wis.

Pres. & Treas.—R. A. Manegold.
V. P.—F. W. Manegold.
Secy.—W. E. Wehr.

Birmingham, Ala.—513 N. 21st St.
Buffalo, N. Y.—988 Ellicott Square.
Chicago—115 S. Dearborn St.
Cincinnati, O.—605 Mercantile Bank Bldg.
Cleveland, O.—1155 Leader-News Bldg.
Denver, Colo.—1718 California St.
Detroit, Mich.—805 Hammond Bldg.
Los Angeles, Cal.—San Fernando Bldg.
New York—52 Vanderbilt Ave.
Pittsburgh, Pa.—1522 Olive Bldg.
Richmond, Va.—2106 E. Main St.
St. Louis, Mo.—1004 Federal Reserve Bk. Bldg.
Salt Lake City, Utah.—201 Dooly Block.

Foreign:
Chile, Santiago—Allis-Chalmers Co.
Japan, Tokyo and Yokohama—Mi Sui & Co.
England, London—Caxton House, J. W. Jackman Co., Ltd.
France, Paris—8 Rue de Rocoy, Fenwick Freres; 112 Boulevard des Belges, Lyon.
South Africa, Johannesburg.—The Corner House, Edward L. Bateman.
Spain, Madrid.—Marino Davila, Conde de Aranada, 11.

Dini, Geo. L., papier mache mfrs., 483 Baltic, Brooklyn, N. Y.
Dinkel, J. S., lumber, Longwood, Fla.
Dinkel & Jewel Co., masons' & bldrs.' matls., Tarrytown, N. Y.
Dinkins-Davidson Hardware Co., Atlanta, Ga.
Dinn, P. J., & Co., archl. iron, 278 Dover, Boston, Mass.
Dinnie, J. A., Co., contractors & masons' & bldrs.' matls., Grand Forks, N. D.
Dinsmore, Geo. W., packing box mfrs., Lawrence, Mass.
Dinsmore Mfg. Co., sewing machs. & machy., 31 Boston, Salem, Mass.
Dinsmore, Wm., & Co., refrigeration engrs., 912 Post, Seattle, Wash.
Dinwiddie Constr. Co., Crocker Bldg., San Francisco, Cal.
Dionne, Emile, contr., 116 Pierce, Lewiston, Me.
Diorio, Rocco & Co., sewer contrs., Waterbury, Conn.
Diozine Chemical Co., stain removers, Ludlow, Vt.
Dippold, Fred M., stone, St. Marys, Pa.
Direct Line Telephone Co., 450-452 Broom St., New York.
Direct Sales Co., Manhattan Bldg., Chicago.
Direct Separator Co., 216 S. Geddes St., Syracuse, N. Y.
Directory of Textile Brands & Trade Marks, 334 4th Ave., New York.
Directory of Textile Merchandise, 334 4th Ave., New York.
Di Rema, Tony, landscape architect, 33 Evelyn Pl., New York.
Dirigo Packing Co., Machias, Me.
Dirks, Henry, lbr., Castlerock, Wash.
Dirks Lbr. & Coal Co., De Queen, Ark.
Dirksen, A., & Son, furniture, Dept. H, Springfield, Ill.
Dirksen, R. D., sash, door & blind mfrs., Freeport, Ill.
Dirr, Geo. L., & Son, cornices, 3631 Warsaw av. P. H., Cincinnati, Ohio.
Disappearing Propeller Boat Corp. of New York, motor boats & gasoline engines, North Tonawanda, N. Y.
Disappearing Roller Screen Co., 2544 W. Pico, Los Angeles, Calif.
Disbrow & Co., M. A., Lyons, Ia.
Disbrow Cordage Co., manila rope, 25 Church, New York.
Disbrow Sash & Door Co., Cedar Rapids, Iowa.
Disc Grader & Plow Co., 400 N. E. Pierce, Minneapolis, Minn.
Dischert, Geo. C., Carriage & Wagon Co., 3109 Abner pl., St. Louis, Mo.
Disco Electric Mfg. Co., 2100 Howard St., Detroit, Mich.
Disharoom, C. R., Co., lbr., Salisbury, Md.
Dishaw & Dishaw, machinists & founders, Canton, N. Y.
Dismuke Fndry. Co., gray iron castings, Columbus, Ga.
Display Fixture & Mfg. Co., store fixtures, 935 Howard, San Francisco, Calif.
Dissinger, C. H. A., & Bro. Co., gas engines, furnaces, road rollers, etc., Wrightsville, Pa.
Dissinger Farm Co., machsts. & fndrs., Wrightsville, Pa.
Dissosway Chemical Co., 55-63 Eckford, Brooklyn, N. Y.
Disston & Sons (Inc.), Henry, Land Title Bldg., Philadelphia, Pa.

DISTANCE SPEED RECORDING COMPANY, 14 Wall st., New York.

Works—Roselle, N. J.
V. P.—J. E. Matthews.

Distler, John C., cornices, Mishawaka, Ind.
District of Columbia Paper Mfg. Co., Washington, D. C.
Ditch, Bowers & Taylor, carriages, Mt. Roy & North Baltimore, Md.
Ditcher Mfg. Co., tile ditching machines, 170 N. E. Madison, Minneapolis, Minn.

DITCHETT ESTATE, THOS., roofing slate, Bangor, Pa.

Ditman, E. A., Specialty Co., glue, 396 Cornelia, Brooklyn, N. Y.
Dittefsen Machine Wks., 1119 Pine, Seattle, Wash.
Dittlinger, H., Roller Mills Co., flour, New Braunfels, Texas.
Dittlinger Lime Co., New Braunfels, Tex.
Dittman, Fred, Hardware Co., cornices & skylights, La Crosse, Wis.
Dittmar Furn. Co., Dept. H, Williamsport, Pa.
Dittmar, John, & Son, wood handles, 800 E. Pratt, Baltimore, Md.
Dittmar Mfg. Co., 912 Western av., Seattle, Wash.
Dittmar Powder Wks., 361 E. 149th St., New York.
Dittmer Gear & Mfg. Corp., Lockport, N. Y.
Ditto, Chas. H., duck calls, Keithsburg, Ill.
Ditto, E. W., plbrs.' supplies, Hagerstown, Md.
Ditto, G. M., machinist, Joliet, Ill.
Ditto, Incorporated, 542 S. Dearborn St., Chicago.
Ditzel & Ward, contractors, Batavia, N. Y.
Ditzler Color Co., automobile paints, varnishes, fillers, etc., 40 Baltimore av. W., Detroit, Mich.
Divekey Bros., machsts. & mill & facty. supplies, Aurora, Ill.
Diven Mfg. Co., filling cabinets & devices, Elmira, N. Y.
Divex Chemical Corp., 320 5th av., New York.

DIVINE BROTHERS COMPANY, INC., Utica, N. Y.

Distributors:
ARK.—Little Rock—F. H. Wilson, 1867 Arch st.
CALIF.—Los Angeles—Industrial Supply Co., 329 E. 2nd st.
San Francisco—Gunn, Carle & Co., 444 Market st., Sutter 2720.
COL.—Denver—Fairbanks, Morse Co., 1735 Wazee st.
D. C.—Washington—Barber & Ross, G st. & 11th st.
L. O. Cameron, 416 Munsey Bldg.
ILL.—Chicago—Barrett-Cravens Co., 1328 W. Monroe st., Haymarket 7309.
Edward L. Koenig Co., 23 W. Kinzie st., State 6381.
LA.—New Orleans—C. T. Patterson Co.
MD.—Baltimore—Fairbanks Co., Light & Lombard st.
MASS.—Boston—Boston Equipment & Supply Co., 222 Devonshire st.
Fairbanks Co., 374 Congress st., Liberty 2000.
Lewis Shephard Platform Corp., 568 E. 1st st., South Boston 2300.
Everett—Economic Steel Rack Co., Bowdoin st.
MICH.—Detroit—Wm. Pike Co., 319 Woodward av., Cherry 7712.
MO.—St. Louis—Federal Scale & Supply Co., 208 S. 4th st., Olive 7064.
Howe Scale Co., 512 St. Charles st., Central 694.
Standard Scale & Fixture Co.
NEB.—Omaha—Prescott Heald, 312 S. 12th st.
N. J.—Newark—Douglas D. Ritson, 810 Broad st.
Factory Service & Equip. Co.
N. Y.—Buffalo—R. C. Neal Co., 76 Pearl st., Seneca 2104.
New York—Fairbanks Co., 416 Broome st., Canal 2800.
Fink-Dumont-White, Inc., 405 Lexington av., Vanderbilt 1060.
Julius Fowl, 207 W. 18th st., Chelsea 6168.
Hammacher, Schlemmer & Co., 4th av. & 13th st., Stuyvesant 7000.
Trion Truck & Wheel Barrow Co., 25 Leonard st., Walker 6189.
Rochester—Haverstick & Co.
Syracuse—O. M. Edwards Co.
O.—Cincinnati—H. Zering Mfg. Co.
Cleveland—White Tool & Supply Co., 1313 W. 6th st.
Columbus—Chase Foundry & Mfg. Co.
ORE.—Portland—Pacific Scale & Supply Co.
PA.—Philadelphia—Hill & Brennan, 128 North 6th st., Market 4622.
Chas. Bond Co., 617 Arch st., Market 3990.
Pittsburgh—Fairbanks Co., 113 Wood st., Court 4060.
C. A. Turner & Co., 3rd av. & Chancery Lane, Court 2446.
Reading—Lang Engineering Corp.
R. I.—Providence—Blocker, Gregory Co., Woolworth Bldg.
Fairbanks Co., 84 Ship st.
WIS.—Milwaukee—H. F. McCann, 336 4th st.
Peter Soulen, 228 3rd st.
CAN.—Montreal, Que.—Canadian Fairbanks Morse Co., 84 St. Antoine st.
Winnipeg, Man.—Rennie Engineering Co.

Divine & Sons, Dwight, Ellenville, N. Y. (Pocket Cutlery.)
Divine Water Motor Co., Utica, N. Y.
Dix Bros., flour mills, Wytheville, Va.
Dix, Chas. B., machsts. & fndrs., Glens Falls, N. Y.
Dix, Chas. H., stone, 126 Liberty, New York.
Dix, John C., Son & Co., carriages, 235 Poplar, Memphis, Tenn.
Dix Lumber Co., Sullivan, Ind.
Dix-Mason Brick Co., Marion, Ohio.
Dix Mfg. Co., 400 E. Eager St., Baltimore, Md.
Dixie Brass & Foundry Co., The, 1231 6th av., Birmingham, Ala.
Dixie Brick & Tile Co., Puryear, Tenn.
Dixie Cotton Mills, La Grange, Ga.
Dixie Cotton Oil Co., Montgomery, Ala.
Dixie Cotton Oil Mill, cottonseed meal, Little Rock, Ark.
Dixie Culvert & Mfg. Co., Little Rock, Ark.

DIXIE CULVERT & METAL CO., THE, Atlanta, Ga.

Dixie Engineering & Insulating Co., 163 Marietta St., Atlanta, Ga.
Dixie Fertilizer Co., Dublin, Ga.
Dixie Fireproofing Co., brick, Macon, Ga.
Dixie Guano Co., fertilizer mfrs., Suffolk, Va.
Dixie Lime & Cement Corp., Norfolk, Va.
Dixie Logging Tool Co., cant hooks, James & Elizabeth, Chattanooga, Tenn.
Dixie Lbr. Co., Pope's Ferry, Ga.
Dixie Machinery & Mfg. Co., 3660 Market St., St. Louis, Mo.
Dixie Mfg. Co., Russell & B. & O. R. R., Baltimore, Md.
Dixie Mfg. Co., Norfolk, Va.
Dixie Mattress Co., Hattiesburg, Miss.
Dixie Mill Supply Co., 901 Tchoupitoulas, New Orleans, La.
Dixie Milling Co., flour, Burlington, N. C.
Dixie Milling Co., flour, High Point, N. C.
Dixie Packing Co., Atlanta, Ga.
Dixie Pencil Co., Erie, Pa.
Dixie Portland Cement Co., 1010 James Bldg., Chattanooga, Tenn.
Dixie Seal & Stamp Co., Atlanta, Ga.
Dixie Vehicle Manufacturing Co., Ltd., 721 St. Joseph, New Orleans, La.
Dixon & Ballou, 321 Ellicott, Buffalo, N. Y.
Dixon & Dixon, contrs., Martins Ferry, Ohio.
Dixon & Son, Chas. E., 3027 Liberty Ave., Pittsburgh, Pa.
Dixon Carburetor Co., 3107 San Pablo av., Oakland, Calif.
Dixon, Chas. R., Co., machinists, Kingston, N. Y.
Dixon Company, H. L., Raslyn Rd., Pittsburgh, Pa.

DIXON CRUCIBLE COMPANY, JOSEPH, 158 Wayne st., Jersey City, N. J.

Pres.—Geo. T. Smith.
V. P.—J. H. Schermerhorn.
Sec.—Harry Daily.
Asst. Sec.—J. I. McComb.
Treas.—Wm. Koester.
Asst. Treas.—J. W. Robottom.

Branch Offices:
CAL.—San Francisco.
ILL.—Chicago.
MD.—Baltimore.
MASS.—Boston.
MO.—St. Louis.
N. Y.—Buffalo.
New York.
PA.—Philadelphia.

Dixon Glass Co., E. 31st and Griffin, Los Angeles, Calif.
Dixon Lubricating Saddle Co., stirrups & levers, Bristol, R. I.
Dixon Lbr. & Mill Work Co., Weldon, N. C.
Dixon Mfg. Co., machsts. & fndrs., Austin, Tex.
Dixon, Robt. B., & Co., masons' & bldrs.' matls., Easton, Md.
Dixon Springs Milling Co., flour, Dixon Springs, Tenn.
Dixon Valve & Coupling Co., 8th and Locust Sts., Philadelphia, Pa.
Dixon, Inc., William, 32-36 E. Kinney St., Newark, N. J.
Dixon, Wm., mill & facty. supplies, watchmakers' & jewelers' tools, etc., 119 Fulton, New York.
Djorup Sanitary Floor Co., Inc., 133 Washington, Chicago, Ill.
Dlouhy Sash & Door Co., Vincent, 2138 Laflin St., Chicago.
Doak Gas Engine Co., Oakland, Cal.
Doan, Israel, & Sons Co., contrs., Aurora, Ill.
Doan, T. E., Bellingham, Wash.
Doane & Bartlett Co., oils, Beaufort, N. C.
Doane & Co., Inc., Francis, 116 State St., Boston, Mass.
Doane & Jones Lumber Co., Elmira, N. Y.
Doane, G. E., mill & facty. supplies, Middleboro, Mass.
Doane, G. M., & Sons, contractors, Santa Maria, Cal.
Doane Motor Truck Co., 428 3rd St., San Francisco, Cal.
Dobbertin, A. C., Averill Ave. & Bond St., Rochester, N. Y.
Dobbie & Co., A. G., Brockville, Ont., Can.

DOBBIE FOUNDRY & MACHINE CO., Niagara Falls, N. Y.

Branch Offices & Warehouses:
Boston, Mass.—P. I. Perkins Co., 261 Franklin.
Charleston, W. Va.—Beckwith Machy. Co., Moore Bldg.
Cleveland, O.—Beckwith Machy. Co., 1500 Lakeside av.
New York—G. S. Green Co., Inc., 72-74 Warren.
Philadelphia—Beckwith Machy. Co., Widener Bldg.
Pittsburgh, Pa.—Beckwith Machy. Co., Arch & Parkway, N. S.

Dobbin, Geo. F., 1020 S. 47th st., Philadelphia, Pa.

DOBBINS CORE DRILL CO., INC., 81-85 6th st., Long Island City, N. Y.

Dobbins Mfg. Co., Stillwater, Minn.
Dobbins Soap Mfg. Co., 119 S. 4th, Philadelphia, Pa.
Dobbins, T. A., & Co., flour, Rusk, N. C.
Dobbins, W. H., & Co., confetti, 48 N. Front, Philadelphia, Pa.
Dobbs, Jos., contractor, Bernardsville, N. J.
Dobbs, S. B., 1218 Chestnut St., Philadelphia, Pa.
Doble Co., Inc., The, Emeryville, Cal.
Doble-Detroit Steam Motor Co., 408 McKerchy, Detroit, Mich.
Doble Engineering Co., 40 Central St., Boston, Mass.
Doble Motors, 714 Harrison, San Francisco, Calif.
Doble Steam Motors, 714 Harrison, San Francisco, Calif.
Dobson, J. & J., 809 Chestnut St., Philadelphia, Pa.
Dobson Mfg. Co., dairy app. & supplies, Rockford, Ill.
Dobson, R. P., & Co., heating contr., N. Paca & Saratoga, Baltimore, Md.

DOBSON, WM., 209 Spencer, Canastota, N. Y.

DOCK & MILL COMPANY, 100 Main St., North Tonawanda, N. Y.

Branch Office:
Newark, N. J.—602 Union Bldg.

Docker Machine Works, Modesto, Calif.
Dockham Publishing Co., 46 Cornhill, Boston, Mass.
Dockray, H. V., Brass & Iron Co., Zanesville, Ohio.
Dockwiler & Kingsbury Co., ground bone, 30th & Emerson av., Indianapolis, Ind.
Dodd & Co., A. W., Wharf St., Gloucester, Mass.

DODD & CO., THEODORE L., 80 E. Jackson Blvd., Chicago.

Dodd & Struthers, Des Moines, Ia.
Dodd City Oil Mill Co., meal, Dodd City, Tex.
Dodd Co., engng. & surveying instrs., 652 Huron, Cleveland, Ohio.
Doddington Co., 451 W. Broad St., Columbus, O.
Doddridge Window Glass Co., West Union, W. Va.
Dodds Co., Alexander, 451-3 Monroe Ave., Grand Rapids, Mich.
Dodds, Geo., & Sons, Granite Co., Xenia, Ohio.
Dodds, John A., stone producers, 2929 Ellsworth, Philadelphia, Pa.
Dodds Lumber Co., 472-480 Brandeis Theatre Bldg., Omaha, Neb.
Dodge & Bliss Co., West End St., Jersey City, N. J.
Dodge & Co., H. B., 332 S. Michigan Ave., Chicago.
Dodge & Olcott Co., oils, 87 Fulton, New York.
Dodge, Albert J., thermometers, Peterboro, N. H.
Dodge, August W., boilers, furnaces, etc., 53 Buckingham, Springfield, Mass.
Dodge Bros., 1678 Joa. Camp, Detroit, Mich.
Dodge, Chas. S., Lowell, Mass.
Dodge Clothespin Co., wood dishes, Coudersport, Pa.
Dodge Co., E. J., 16 California St., San Francisco, Calif.
Dodge Corp., F. W., 119 W. 40th St., New York.
Dodge County Lumber Co., Eastman, Ga. and 1122 Lincoln Bldg., Philadelphia, Pa.
Dodge-Davis Mfg. Co., woolen flannels, Bristol, N. H.
Dodge-Dickinson Co., mattresses, Bloomington, Ill.
Dodge, Edwin Sherrill, architect, 15 Exchange, Boston, Mass.
Dodge, Geo. E., contr., Stamford, Conn.
Dodge, Haley Co., 218 High St., Boston, Mass.
Dodge, Inc., H. C., 32-46 Alger St., Boston, Mass.
Dodge, J., Bros., machsts. & fndrs., Campan av., Detroit, Mich.
Dodge Lumber Co., Monroe, Wis.
Dodge Lumber & Fuel Co., Rochester, Minn.

DODGE MANUFACTURING CORP., Mishawaka, Ind.

Dodge Mfg. Co., oil engines, Mishawaka, Ind.
Dodge Mfg. Co., 53 Park pl., New York.
Dodge Mfg. Co., 217 Race st., Philadelphia, Pa.
Dodge, Robt., glass stainer, 242 W. 14th, New York.
Dodge Sales & Engrg. Co., see Dodge Mfg. Corp. (successor).
Dodge Scale Co., 21 E. 14th st., New York.
Dodge, S. P., Co., carriages, 516 Elm, Manchester, N. H.
Dodge Tool Co., Grinnell, Ia.
Dodgson, L. P., & Son, masons' & bldrs.' matls., McLean, Ill.
Dodson & Card Co., heating contractors, 699 Howard, Detroit, Mich.
Dodson, E., Saw Mill & Lbr. Co., Comstock Bldg., Columbus, Ohio.
Dodson, Fisher; Brockman Co., harness, 15 N. 3d, Minneapolis, Minn.
Dodwell & Co., Ltd., 2 Pine St., San Francisco, Calif.
Doe, Frank P., Lumber Co., 16 California, San Francisco, Calif.
Doe Mountain Lbr. Co., Mountain City, Tenn.
Doe, Walter S., commutator compounds, Kent, Ohio.
Doehler Die Casting Co., Court & 9th St., Brooklyn, N. Y.

DOELGER & KIRSTEN, 3000 Chambers St., Milwaukee, Wis.
Representatives:
CALIF.—Los Angeles—Suter Co. 332 Merchants Natl. Bank Bldg., (Shears) Main 2733.
San Francisco—Jos. T. Ryerson & Son, Inc., 136 Townsend St. (Shears), Douglas 2027.
COLO.—Denver—Jos. T. Ryerson & Son, Inc., 509 Ideal Bldg., (Shears).
ILL.—Chicago—Jos. T. Ryerson & Son, Inc., 16th & Rockwell Sts., (Shears) Lawndale 1000.
W. J. Stanton, 1445 Argyle St., (Shears, Knives, Bolts), Edgewater 7605.
MASS.—Boston—John H. Driscoll, 170 Summer St., (Shears), Congress 4049.
MICH.—Detroit—Manning, Maxwell & Moore Co., Majestic Bldg., (Shears) Main 6504.
Jos. T. Ryerson & Son, Inc., 1590 Euclid Ave., (Shears) Market 3850.
C. O. Smith, 202 New Telegraph Bldg., (Shears, Knives, Bolts).
MINN.—Minneapolis—Jos. T. Ryerson & Son, Inc., 1103 Plymouth Bldg., (Shears).
MO.—St. Louis—Corby Supply Co., 1956 N. Broadway, (Shears, Knives, Bolts) Tyler 747.
K. I. Crickman, Railway Exchange Bldg., (Shears), Forest 2917-W.
Jos. T. Ryerson & Son, Inc., 2208 N. 2nd St., (Shears), Tyler 2500.
N. Y.—Albany—Bishop, Friedman & Bergstrom, 82 State St., (Shears).
Buffalo—Bishop, Friedman & Bergstrom, Chamber of Commerce Bldg., (Shears).
Jos. T. Ryerson & Son., Inc., (Shears), Bailey Ave. & Stanley St., Jefferson 3130.
New York—Bishop, Friedman & Bergstrom, 165 Broadway, (Shears), Cortland 6829.
Manning, Maxwell & Moore, 100 E. 42nd St., (Shears), Bryant 6080.
Jos. T. Ryerson & Son, Inc., 30 Church St., (Shears), Cortland 7600.
O.—Cincinnati—Frank Leonhard, Reid Ave., College Hill, (Shears, Knives, Bolts).
Jos. T. Ryerson & Son, Inc., (Sehars), Front & Freeman St.
Cleveland—Cleveland Knife & Forge Co., (Shears, Knives, Bolts) Lakewood 513.
Henry L. Schwarzenberg, 410 Lakeside Ave., N. W., (Shears), Eddy 760-W.
OKLA.—Tulsa—Jos. T. Ryerson & Son, Inc., 418 Atlas Life Bldg., (Shears).
PA.—Lebanon—Lebanon Engrg. & Sup. Co., (Shears, Knives, Bolts).
Philadelphia—Bishop, Friedman & Bergstrom, Real Estate Trust Bldg., (Shears).
Pittsburgh—Frank M. Erb, Fulton Bldg., (Shears, Knives, Bolts), Smithfield 1118.
TEX.—Houston—Jos. T. Ryerson & Son, Inc., 1008 Union Natl. Bank Bldg., (Shears).
WIS.—Milwaukee—Jos. T. Ryerson & Son., Inc., 731 Wells Bldg., (Shears).

Doerfinger Artificial Limb Co., 130 Anderson, Pittsburgh, Pa.
Doering & Son, C., 1375 W. Lake St., Chicago.
Doermann-Roehrer Co., The, 333 Sycamore st., Cincinnati, O.
Doernbecker Mfg. Co., lbr., New Era, Ore.
Doernbecker Mfg. Co., furniture, Dept. H, E. 28th & O. W. tracks, Portland, Ore.
Doerr Glass Co., glassware, Vineland, N. J.
Doerr-Mitchell Electric Co., The, 118 Lincoln St., Spokane, Wash.
Doerun Oil Mill Co., Doerun, Ga.
Doerzbach Bros., contractors, Sandusky, Ohio.
Doetsch & Bauer Co., furniture, 1534H Altgeld, Chicago, Ill.
Doggett, Stanley, 11 Cliff St., New York.
Doherty Bros., Lowell, Mass.
Doherty Bros., see Robinson, J., Iron Fdry. (successors).
Doherty, Eugene (Est. of), rubber goods, 110 Kent av., Brooklyn, N. Y.
Doherty, Frank J., cornices & skylights, Lynchburg, Va.
Doherty Hdwe. Co., Baton Rouge, La.
Doherty, Philip, Hardware & Supply Co., Latrobe, Pa.
Doherty Rubber Works, Eugene, 110 Kent Ave., Brooklyn, N. Y.
Doherty-Walsh Roller Co., Baton Rouge, La.
Dohn, Fischer & Beyer, 1340 Niagara St., Buffalo, N. Y.
Dohrmann-Walker Co., see Plastone Co. (successor).
Dolg, Inc., Wm. S., 47 Franklin St., Brooklyn, N. Y.
Dolan Brick Co., 1163 Arthur Hill rd., Green Ridge, N. Y.
Dolan, Daniel J., masons' & bldrs.' matls., 1643 Market, San Francisco, Calif.
Dolan Lumber Co., Lynchburg, Va.
Dolan, Thos., Heating Co., 610-12 W. Grand, Oklahoma, Okla.
Dolan, W. J., church decorations, 100 Boylston, Boston, Mass.
Dolan Wrecking Co., Oakland, Calif.
Doland, J. A., & Co., contractors, New London, Conn.
Dolbeer & Carson Lumber Co., 465 Calif., San Francisco, Cal.
Dolby, S. W., Jr., canned goods, Whitehaven, Md.
Dolby, W. H., canned goods, Whitehaven, Md.
Dold Packing Co., Jacob, 745 William St., Buffalo, N. Y.
Dole, E., & Co., woolen flannels, Campton, N. H.
Dole, Osgood & Co., carriages, Peabody, Mass.
Dole Valve Co., The, 1923 Carroll Ave., Chicago.
Doles, Edwin E., spokes, rims (carriage & wagon wheel), Greensburg, Ind.
Dolese & Shepard Co., 108 S. La Salle St., Chicago.
Dolese Bros. Co., 337 W. Madison St., Chicago.
Dolezal, Jos., pearl buttons, Long Island City, N. Y.
Dolge Company, C. B., The, Westport, Conn.
Dolge, Ernest, Inc., lbr., Tacoma, Wash.
Dolgeville Felt Shoe Co., Dolgeville, N. Y.
D'Olier Centrifugal Pump & Mach. Co., 165 Broadway, New York.
Doll, Jacob, & Sons, pianos, 100 Southern blvd., New York.
Dollan, Jos., Contrg. Co., 576 Exterior, New York.
Dollar Point Pencil Corp., 1001 W. 16th, Los Angeles, Calif.
Dollar, Robert, Co., lumber, 230 California, San Francisco, Calif.
Dollar, W. H., Mfg. Co., killers, fly swatters, Camden, N. J.
Dollard, Jas., Co., contractors, Troy, N. Y.
Dolliff, L. P., & Co., lbr., 615 Lumber Ex. Bldg., Minneapolis, Minn.
Dollinger, John, tubular boilers, Beaumont, Tex.
Dolliver & Bros., leather, 619-21 Mission, San Francisco, Calif.
Dollman, J. W., cornices & skylights, Glendale, Ohio.
Dolman, Chas., knitted gloves, 48 E. Court, Cincinnati, Ohio.
Dolomite Products Co., The, 1110 Euclid Ave., Cleveland, O.
Dolph Company, John C., 168 Emmett St., Newark, N. J.
Dolphin Jute Mills, Paterson, N. J.
Dolphin White Lead & Color Co., Champlain & Locust Sts., Toledo, O.
Dolphin White Lead & Color Wks., paint mfrs., Plainville, Ohio.
Doly, J. A., Nevada, Mo.
Dom, G. C., Supply Co., photo engravers' supplies, 125 E. Pearl, Cincinnati, Ohio.
Doman Co., H. C., Oshkosh, Wis.
Dombrowski, F., founders, Neshkoro, Wis.
Dome, Geo., contractors, Middletown, Ohio.
Domestic Chemical Co., 13021 E. Jefferson, Detroit, Mich.
Domestic Chemical Corp., copper & zinc sulphate, Maspeth & Gardner avs., Brooklyn, N. Y.
Domestic Electric Co., The, 1071 Power Ave., Cleveland, O.
Domestic Engng., trade publications, 1900 Prairie, Chicago, Ill.
Domestic Engine & Pump Co., Shippensburg, Pa.
Domestic Engineering Co., see Delco Light Co. (successors).
Domestic Laundry Equipment Corp., laundry machinery mfrs., 224 W. 26th, New York.
Domestic Mills Paper Co., 96-98 Reade St., New York.
Domestic Nov. Co., 217 High, Newark, N. J.
Domestic Plating Wks. Co., 1121 Washington blvd., Chicago, Ill.
Domestic Sewing Mach. Co., S. State & Van Buren sts., Chicago, Ill.
Domestic Soap Mfg. Co., scouring powders, 113 6th, Long Island City, N. Y.
Domestic Tungsten Lamp Co., 418-420 Tenth, West New York, N. J.
Domestic Vacuum Cleaner Co., Torrington, Conn.
Dominick & Haff, silver nov., 545 W. 23d, New York.
DOMINION ASBESTOS & RUBBER CORP., 1780 Broadway, New York.
Dominion Asbestos & Rubber Corp., 502 E. Johnson, Philadelphia, Pa.
Dominion Iron & Steel Co., Ltd., Sydney, N. S., Can.
Dominion Iron & Wrecking Co., Ltd., Montreal, Can.
Dominion Metal Products Co., road culverts & cornices & skylights, shingles, etc., Roanoke, Va.
Dominion Paint Works, Ltd., Walkerville, Ont., Can.
Dominion Wheel & Fdrs., Ltd., Toronto, Ont., Can.
Dominion Wire Rope Co., Ltd., Montreal, Can.
Domhoff & Joyce Co., 4th & Elm, Cincinnati, O.
Domsohn, C. J., & Co., contractors, Coatesville, Pa.
Donaghmore Iron & Steel Co., scrap iron, Lebanon, Pa.
Donaghmore Iron & Steel Co., Reading, Pa.
Donahoe & Nolan, brick, Trenton, N. J.
Donahoe Bros., contractors, Middletown, Conn.
Donahoo, J. D., contractors, 603 E. 3d st., Jacksonville, Fla.
Donahue & Co., W. J., Parkway Blvd., Philadelphia, Pa.
Donahue Co., Robert, Burlington, Ia.
Donahue Bros. Leather Co., 143 Pleasant, Lynn, Mass.
Donahue, J. E., Lumber Co., South Bend, Ind.
Donahue, J., & Son, bldg. contrs., 318 Bradford, Milwaukee, Wis.
Donald, Hy. R., Sales Co., fndry lacings, etc., Milwaukee, Wis.
Donald, Wm. C., & Co., lamp black mfrs., printing inks, Andover, Mass.
Donalds Oil Mill Co., meal, Donalds, S. C.
Donaldson & Fisher Co., machsts., 1443 Carroll av., Chicago, Ill.
Donaldson & Pearson Co., contractors, Atlanta, Ga.
Donaldson Art Sign Co., pennant mfrs., 21st & L. N. R. R., Cov., Cincinnati, Ohio.
Donaldson Bros., Front & East Sts., Mt. Clemens, Mich.
Donaldson Iron Co., Emaus, Pa.
Donaldsonville Oil Mill, Donaldsonville, Ga.
Don-a-Stone Composition Co., 706 N. Coronado st., Los Angeles, Calif.
Donchain, Sam'l, Rug Co., fasteners, 205 Pearl, Hartford, Conn.
Donegan & Swift, 132 Nassau St., New York.
Donegan, D., Co., contractors, 5904 14th av., Brooklyn, N. Y.
Dongan Electric Mfg. Co., 2987 Franklin St., Detroit, Mich.
Donges, John, & Co., carriage bows, hubs, rims, shafts & spokes, Hamilton, Ohio.
Donigan & Nielson, fifth wheel, 743 3d av., Brooklyn, New York.
Donk Bros. Coal & Coke Co., 314 N. 4th, St. Louis, Mo.
Donley Brick Co., Washington, Pa.
DONLEY BROS. CO., THE, (Throat Type Rotary & Poker Control and Flat or Ratchet Fireplace Dampers), 13935 Miles av., Cleveland, O.
Donn Mfg. Co., bldg. contrs., interior hardwood work, etc., 920 S. 1st, San Jose, Calif.
Donnan, W. S., Hardware Co., McDonough, Richmond, Va.
Donnell, A. L., Register & Printing Co., 268 Market, San Francisco, Calif.
Donnell, Carman & Mudge, Inc., leather, 65 South, Boston, Mass.
Donnell, W. J., Lumber Co., Perth Amboy, N. J.
Donnellan & McKenzie, stone producers, Tacoma, Wash.
Donnelly & Co., 319 Vine St., Philadelphia, Pa.
Donnelley & White, Austin, Tex.
Donnelly Blanthorn & Co., machsts., 526 W. 28th, New York.
Donnelly Brick Co., Berlin, Conn.
Donnelly Co., J. R., 54-60 Classon Ave., Brooklyn, N. Y.
DONNELLEY CORP., THE, REUBEN H., 652 S. State St., Chicago.
Donnelley, Lee C., & Co., advertising counsellors, 818 Ulmer Bldg., Cleveland, Ohio.
Donnelly, D. B., steam fitters' supplies, Fairfield, Me.
Donnelly, John, holders, Branford, Conn.
Donnelly-Kelly Glass Co., furn. tops, Holland, Mich.
Donnelly Machine Co., Brockton, Mass.
Donnelly Mfg. Co., valves, 10 High, Boston, Mass.
Donner Steel Co., Inc., 475 Abbott Rd., Buffalo, N. Y.
Donoghue, James, soldering presses, Cleveland, Ohio.
Donohoe Coke Co., Greensburg, Pa.
Donohue Bros. Leather Co., 143 Pleasant, Lynn, Mass.
Donohue's, P. J., Sons, tubular boilers, 108 Wallabout, Brooklyn, N. Y.
Don-O-Lac Co., Inc., Rochester, N. Y.
Donora Zinc Co., Donora, Pa.
Donovan Bros., leather, 46 South, Boston, Mass.
Donovan Co., R. J., 217 Pearl St., New York.
Donovan, D. A., pipe hangers, Auburn, N. Y.
Donovan, D. F., cornices & skylights, 505 Newark av., Jersey City, N. J.
Donovan Iron & Supply Co., 810 N. Main St., St. Louis, Mo.
Donovan, John J., 22 Church St., Boston, Mass.
Donovan Lumber Co., Aberdeen, Wash.
Donovan Wire & Iron Co., Chicago & W. & L. E. Ry., Toledo, O.
Doody Vapor Heating Co., Inc., The, heating appliances, 46 Cornhill, Boston, Mass.
Dooley & Robinson Bros., fertilizer mfrs., Cardiff, Md.
DOOLEY BROS., Mfrs. of tools, jobbers of miners' supplies, 1201 S. Washington, Peoria, Ill.
Dooley Hardware Co., Rockville, Ind.
Dooley, Jas. J., & Sons, masons' & bldrs.' matls., Cohoes, N. Y.
Dooley, Killian, Co., Inc., contractors' supplies, 26 Cortlandt, New York.
Dooley Lightning Rod Co., Topeka, Kan.
Dooley Lumber Co., F. T., Inc., Florida Ave. Y. & M. V. R. R., Memphis, Tenn.
Doolittle Co., M. A., Sidney, N. Y.
Doolittle, F. M., Co., loud speakers, 169 Willard, New Haven, Conn.
Doolittle, L. G., machinist, Binghamton, N. Y.
Dooly, Jno. E., Hdwe. Co., 5107 Delmar, St. Louis, Mo.
Door Company, The, 1009 17th St., Denver, Colo.
Dopp & Co., J. W., 2937 E. Grand Blvd., Detroit, Mich.
Dopp, H. W., Co., vacuum pans, 1300 Niagara, Buffalo, N. Y.
Doppes, J. B., Sons Lbr. Co., 1250 Gest, Cincinnati, O.
Dopplier, Jos., contractors, Indiana Harbor, Ind.
Doran & Co., 108 Bell Block, (Lumber), Cincinnati, O.
Doran, Jas. W., architect, Sidney, Ohio.
Doran, Jno. A., cornices, Chester, Pa.
Dorchester & Rose, mill & facty. supplies, Geneva, N. Y.
Dorchester Fertilizer & Lime Co., Cambridge, Md.
Dorchester Lbr. Co., Badham, S. C.
Dorchester Mach. and Tool Wks., Inc., 70 Freeport St., Dorchester, Mass.
Dorchester Pottery Wks., bean pots, 9 Preston, Boston, Mass.
Dorchester Pottery Works, 105 Victory Road, Dorchester, Mass.
Doremus Bensen Co., bldg. const., Governor & York av., Paterson, N. J.
Doremus, J. T., Co., whol. hdwe., 66 Washington, Paterson, N. J.
Dorer, C. L., Fdry. Co., Bellaire, Ohio.
Dorff Mfg. Co., C. J., 1716 W. Adams St., Chicago.
Dorflinger & Sons, C., White Mills, Pa.
Dorfman & Sons, second hand bags, 269 South, New York.
Dorfman Bros., pearl buttons, 55 Branford, Newark, N. J.
Dorfman, J. S., Co., buttons, 349 S. Los Angeles, Los Angeles, Calif.
Dorfmann Bros., thermometers, Corona, N. Y.
Dorhoffer, F. J., Co., cornices, Butte, Mont.
Dorite Mfg. Co., stucco & flooring, 116 Utah, San Francisco, Calif.
Dorman Co., J. F. W., 526 N. Calvert St., Baltimore, Md.
Dorman & Co., mill & facty. supplies, Freeport, Ill.
Dorman & Smyth Hdwe. Co., cornices, Salisbury, Md.
Dorman, E. E., machsts. & fndrs., Cookeville, Tenn.
Dorman, H. W., cornices, 243 Congress av., New Haven, Conn.
Dorman, Jas., stone, Lawrence, Mass.
Dorn, M. G. & J. J., lbr., McCormick, S. C.
Dornbaum Knitting Co., sweaters, etc., 3136 Lincoln av., Chicago, Ill.
Dornette & Bro. Co., J., 1250-1256 Harrison Ave., Cincinnati, O.
Dorney, C. A., Furn. Co., 612 Hamilton, Allentown, Pa.
Dornin, T. B., Adams Co., cornices & skylights, Lynchburg, Va.
Doron Bros. Elec. Co., Hamilton, Ohio.
Dorr, C. M., Co., htg. contrs., Hoosick Falls, N. Y.
Dorr, Wallie, Co., billiard tables, toys, etc., 869 Murray st., New York.
Dorrance, Chas. J., grate bar mfrs., 53 W. Jackson, Chicago, Ill.
Dorries & Co., hdwe. mfrs., saddlery, Buffalo, N. Y.
Dorries, F., & Sons, machsts. & fndrs., 471 Elect, Buffalo, N. Y.
Dorries Saddlery Co., Inc., 181 Ellicott St., Buffalo, N. Y.
Dorris, E. A., & Sons, flour mills, Hendersonville, Tenn.
Dorris Lbr. & Box Co., Dorris, Calif.
Dorris Motor Car Co., 4100 Laclede, St. Louis, Mo.
Dorschel-Kroehnke Lumber Co., Chilton, Wis.
Dorsel Co., flour mills, Newport, Ky.
Dorsey, Wm. C., Highland Ave., & Phila. Rd., Baltimore, Md.
Dort Motor Car Co., Flint, Mich.
Dorward, D., Jr., engr., consulting, San Francisco, Calif.
Dorward Pump Co., 417 Market, San Francisco, Calif.
Dossert & Co., 242 W. 41st St., New York (Elec. app.)
Doster & Hamilton, lbr., Fordyce, Ark.
Doster, S. J., trunk mfr., Phoenix, Ariz.
Doten-Dunton Desk Co., 32 Franklin St., Boston, Mass.
Doten, S. H. & A. R., carved mouldings, 494 Fore, Portland, Me.
Dothan Foundry & Machine Co., Dothan, Ala.
Dothan Guano Co., fertilizer mfrs., Dothan, Ala.
Dothan Milling & Mfg. Co., cooperage stock, Dothan, Ala.
Dothan Overall Factory, Dothan, Ala.
Doty & Doty, masons' & bldrs.' matls., Grand Ledge, Mich.
Doty & Scrimgeour Co., 319 River St., Reading Pa.
Doty, A. M. & F. T., masons' & bldrs.' matls., Leavittsburg, Ohio.
Doty Business Machines Co., 537 S. Dearborn St., Chicago.
Doty Lumber & Shingle Co., Doty, Wash.
Doub, J. W., & Bros., flour, East Bend, N. C.
Double Blast Mfg. Co., gasoline blast furnaces, firepots, North Chicago, Ill.
Double-Dee Sign Co., 164 E. 155th St., Harvey, Ill.
Double Fabric Tire Co., Auburn, Ind.
Doubleday-Hill Electric Co., 719 Liberty Ave., Pittsburgh, Pa.
Double Safety Signal Co., 208 N. Wells st., Chicago, Ill.
Double Seal Piston Ring Co. (Auto Supls.), 1517 Michigan Ave., Chicago.
Double Shoal Cotton Mill, Double Shoal, N. C.
Double Strength Truss Co., 833 N. California St., Chicago.
Double Truss Cornice Brake Co., 33 Chandler St., Buffalo, N. Y.
Doucette Bros., granite, Montpelier, Vt.
Doud Lighting Co., 163 Curtis, Chicago, Ill.
Doud-McFarlane Mchy. Co., Tacoma, Wash.
Doud Sons & Co., lbr., Winona, Minn.
Douden, A., Planing Mill Co., sash, door & blind, Millersburg, Pa.
Douds, Frank C., & Co., machsts. & ejectors, jet pumps, syphons, etc., New Castle, Pa.
Dougan & Chrisman, contrs., 168 Thompson, Portland, Ore.
Dougan, J. M., & Co., see Dougan & Chrisman (successor).
Dougherty & Moss Lumber Co., St. Joseph, Mo.
Dougherty, Andrew, playing cards, 432 4th av., New York.
Dougherty Bros. Tent & Awning Co., 109-11 S. Main St., St. Louis, Mo.
Dougherty Company, M. J., 25th & Washington Ave., Philadelphia, Pa.

Dougherty, H. D., & Co., hospital furniture, 17th & Indiana, Philadelphia, Pa.
Dougherty, J. T., surgical instruments, 409 W. 59th, New York.
Doughten, H. W., agricultural implements, Moorestown, N. J.
Doughty, D. J., sashes, doors & blinds, Farmington, Mo.
Douglas & Lomason Co., 642 Lincoln Ave., Detroit, Mich.
Douglas & Rudd Mfg. Co., automobile accessories, Bronson, Mich.
Douglas Co., 901-1029 1st St., Cedar Rapids, Iowa.
Douglas Co., Jno., Poplar & Baymiller Sts., Cincinnati, Ohio.
Douglas Fir Co., ties, Yeon Bldg., Portland, Ore.
Douglas Fir Cross-Arm Co., insulated pins, Boston Bldg., Denver, Colo.
Douglas Foundry & Machine Works, Douglas, Ga.
Douglas, Geo. B., steel merchants, agents, etc., 29 Broadway, New York.
Douglas, L. A., auto paint, 1288 Mission, San Francisco, Calif.
Douglas Lumber Co., Douglas, Ariz.
Douglas Mach. Co., Luverne, Ala.
Douglas Motors Corp., Omaha, Neb.
Douglas Oil & Fertilizer Co., Douglas, Ga.
Douglas, Robt. D., tex. machy., supplies, paper cap tubes, 632 Highland Ave., Fall River, Mass.
Douglas, W. & B., pumps, garden engines, fire hydrants, etc., mfrs. & machsts. & fndrs., Middletown, Conn.
Douglas, Wm., & Co., contractors, 109 Waterman, Providence, R. I.
Douglass, J. E., & Son, flour mills, Aldie, Va.
Douglass, L. C., & Co., masons' & bldrs.' matls., Jefferson, Ohio.
Douglass, Thos. J., & Co., heating contrs., 352 Whiting, Chicago, Ill.
Douglasville Roller Mill flour, Douglasville, Ga.
Doutlet & Williams, Inc., contrs., 816 Howard Av., New Orleans, La.
Doup, L. G., Co., mattresses, Omaha, Neb.
Dove-Smith & Son, Niagara Falls, N. Y.
Dove, Wm. G., bldg. contrs., Geneva, N. Y.

DOVER BOILER WORKS, machinists, & boilers, tanks, etc., 40 Church, New York.

Dover Boiler Wks., Dover, N. J.
Dover Fire Brick Co., 510 Cuyahoga Bldg., Cleveland, O.
Dover, Geo. W., Inc., jigs, fixtures & special mach., 1012 Eddy, Providence, R. I.
Dover Iron Co., blast furnaces, Bear Springs, Tenn.
Dover Iron Co., Carlisle, Tenn.
Dover Lumber Co., Dover, Idaho.
Dover Lumber Co., Dover, N. J.
Dover Lbr. Co., Dover, Ohio.
Dover Mfg. Co., The, Dover, O.
Dover Milling Co., flour, Dover, Okla.
Dover Packing Co., canned goods, Dover, Ky.
Dover Pearl Button Co., Dover, Ky.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Dover Tank & Plate Co., Dover, O.
Do Ville Lake Sand & Gravel Co., 424 Water St., Toledo, O.
Dow & Smith, chemical engineers, 133 E. 23d, New York.
Dow Bros. & Horne Co., canned goods, East Dover, Me.
Dow Chemical Co., The, Midland, Mich.
Dow Co., Clarence W., Detroit, Mich.
Dow Co., Louis F., 15 S. 4th St., St. Paul, Minn.
Dow Co., The, Louisville, Ky.
Dow, David, & Sons, 1253 1st Ave. S., Seattle, Wash.
Dow-Griscom Co., 1002 Georgia Ave., Chattanooga, Tenn.
Dow, Harlow & Kimball, architect, 101 Tremont, Boston, Mass.
Dow, Inc., L. B., Keene, N. H.
Dow, Jas. M., machinist, Kenton, Ohio.
Dow, Louis F., Co., 2242 Union Av., St. Paul, Minn.
Dow Mfg. Co., Braintree, Mass.
Dow Mfg. Co., W. H., Waukegan, Ill.
Dow Pump & Diesel Engine Co., Alameda, Cal.
Dowagiac Drill Co., Dowagiac, Mich.
Dowd & Co., J. C., 95 Madison Ave., New York.
Dowd Knife Works, R. J., Beloit, Wis.
Dowd-Rodgers Co., The, Wallingford, Conn.

DOWD, WYLLIE & OLSON, Hartford, Conn.

Dowdall, Chas. E., machinist, 152 W. Broadway, New York.
Dowden Mfg. Co., Prairie City, Ia.
Dowell, H., machinist, Meadville, Pa.
Dowelley, Geo. B., lbr., Alexander, Me.
Dower, John, Lbr. Co., masons' matls., Tide Flats, Tacoma, Wash.
Dowling & Rutherford, contractors, 128 N. La Salle, Chicago, Ill.
Dowling Co., The, Odessa, Fla.
Dowling, J. F., & Co., contractors, Russ Bldg., San Francisco, Cal.
Dowling-Schultz Hardware Co., Danville, Ill.
Dowling-Shands Lbr. Co., Green Cove Springs, Fla.
Dowman-Dozier Mfg. Co., 605 Rhodes Bldg., Atlanta, Ga.
Down Tool Works, twist drills, Fleetwood, Pa.
Downer Lumber Co., Voldosta, Ga.
Downer, S. W., sand, Downer, N. J.
Downey & Co., W. C., Springfield, O.
Downey & Howland, mill & facty supplies, 92 Pleasant St., Fall River, Mass.
Downey Boiler Works, T. F., 2600 W. Grand Ave., Chicago.
Downey Company, The C. L., 941-43 Clark St., Cincinnati O.
Downey Heating & Sup. Co., 613 Clyburn St., Milwaukee, Wis.
Downey Lumber Co., Downey, Ia.
Downey Shipbuilding Corp., New Brighton, N. Y.
Downey, Wm. H., htg. contr., 52 William, New York.
Downham, John A., & Son, canned goods, Wyoming, Del.
Downie Bros., Inc., 644 S. San Pedro, Los Angeles, Cal.
Downing, E. E., Co., furniture, Dept. H, Marshalltown, Iowa.
Downing Electrical Co., Des Moines, Ia.
Downing, R. F., & Co., shellac, bronze powder, 45 Pearl, New York.
Downing-Smith Co., armatures & machsts., 430 S. Green, Chicago, Ill.
Downing, T. D., machinist, Vermilion, Ill.
Downington Iron Works, Inc., Downington, Pa.

DOWNINGTON MFG. CO., East Downington, Pa.

Downington Paper Box Co. (folding paper box), East Downington, Pa.
Downman, R. H., Paydras Bldg., New Orleans, La.
Downs & Slater, founders, Wharton, N. J.
Downs, B. J., brass composition founders, Everett, Mass.
Downs Construction Co., F. A., Canton, O.
Downs, W. A., machinist & founder, Montour, Iowa.
Downs, W. H., heating contractor, 337 W. 38th, New York.
Downward, Jas. G., Co., fertilizer mfrs., Coatesville, Pa.
Dowst Bros. Co., metal nov. & spec., 124 N. Ann, Chicago, Ill.
Doxey, N. D., welding compounds, Elmira, N. Y.
Doyen, Philip H., Shipbldg. Co., 40 Cottage South, South Portland, Me.
Doyle & Co. (Contractors & Builders), 1519 Sansom St., Philadelphia, Pa.
Doyle & Devereaux, machinists, Industrial Bldg., Syracuse, N. Y.
Doyle & Downey, boot counters, Newburyport, Mass.
Doyle & Murphy Co., contractors, Willimantic, Conn.

DOYLE-DACOSTA MFG. CO., Easton, Pa.

Doyle, J. & M., contractors, Erie, Pa.
Doyle, Jas. B., wholesale hardware, 212 N. Main, Scranton, Pa.
Doyle Roller Mills, flour, Doyle, Tenn.
Doyle, Thos. F., cornices, Muncie, Ind.
Doyle, W. A., airplane propellers, Trenton, N. J.
Doyle, Wm. J., machinist & founder, Rome, N. Y.
Doylestown Agricultural Co., Doylestown, Pa.
Doylestown Aluminum Ware Co., Doylestown, Ohio.
Dozier & Gay Paint Co., 46 W. Bay St., Jacksonville, Fla.
Drackett, P. W., & Sons Co., lye, lime, etc., 3426 Edwards, Cincinnati, Ohio.
Dragon Mfg. Co., The, Marietta, O.
Dragon Paper Mfg. Co., 484 Van Alst Ave., Long Island City, N. Y.
Draher, John, machinist, 22 Chestnut, Waterbury, Conn.
Drake & Co., chemicals, 904 Turks Head Bldg., Providence, R. I.
Drake & Co., Geo. A., 103 Woodward Ave., Detroit Mich.
Drake, A. W., Drilling Co., Hazleton, Pa.
Drake, A. W., Mfg. Co., fly killers, Hazleton, Pa.
Drake Acetylene Burner Co., San Jose, Cal.
Drake, Bostedo Co., masons' & bldrs.' matls., Netcong, N. J.
Drake Bros., lbr., Barnstead, N. H.
Drake, Clifton B., mill supplies, 23H N. 10th, Philadelphia, Pa.
Drake Elec. Works, vibrators, 3943 Lincoln Av., Chicago.
Drake, H. A., Reliance Bldg., Kansas City, Mo.
Drake, H. R., & Sons, Inc., paper boxes, Palmyra, N. Y.
Drake Hardware Co., Burlington, Iowa.
Drake Hdwe. Co., machsts. & fndrs. & hand vacuum cleaners, Friendship, N. Y.
Drake, J. A., & Son, poppet valves, Reedley, Calif.

DRAKE LOCK-NUT COMPANY (Manufacturers of "Drake" Lock Nuts, Vibration-Proof, Never Jar Loose), 2442 E. 75th st., Cleveland, O.
San Francisco, Calif.—1401 Folsom St.

Drake Lbr. Co., Princeton, Fla.

DRAKE MFG. CO., 15 Park Row, New York.

Drake Mfg. Co., cigar lighters, 221 Grand, Milwaukee, Wis.
Drake Mfg. Co., Inc., The, Friendship, N. Y.
Drake Mfg. Co., A. W., Hazleton, Pa.
Drake Marble & Tile Co., 58 Plato Av., St. Paul, Minn.
Drake-Merritt Casket Co., Constantine, Mich.
Drake Non-Clinkering Furnace Block Co., Inc., 5 Beekman St., New York.
Drake, P., & Sons, contractors, Marion, Ohio.
Drake, P. A., machinist, Eau Claire, Wis.
Drake Process Machy. Co., automatic machy. & pulp containers, 2344 E. 105th, Cleveland, Ohio.
Drake, W. H., Co., machsts. & fndrs., 36 Clinton, Newark, N. J.
Drake-Williams-Mount Co., Omaha, Neb.

DRAKENFELD & CO., B. F., 50 Murray St., New York.

Drane Foundry & Supply Co., Clarksville, Tenn.
Draper & Co., sash, door & blind, Lancaster, Pa.
Draper & Hall Co., universal grinders, mfg., Middletown, Conn.
Draper & Hirsch, canned goods, Milford, Del.
Draper & Slaughter, canned goods, Denton, Md.
Draper & Sons, W. H., Inc., Troy, N. Y.
Draper Bros. Co., Canton, Mass.
Draper Canning Co., Milton, Del.
Draper Co., Hopedale, Mass.
Draper Co., J. C., 171 Front St., Pawtucket, R. I.
Draper Corporation, textile machinery mfrs., Hopedale, Mass.
Draper, Davis Co., fertilizer mfrs., Milford, Del.
Draper Engine Works Co., machsts., 413 Railroad Av., Seattle, Wash.
Draper, G. H., canned goods, Milford, Del.
Draper Mfg. Co., The, E. 91st St. & Crane Ave., Cleveland, O.

DRAPER MANUFACTURING COMPANY, THE, 2417 Wright St., Port Huron, Mich.

Pres.—Bloss P. Corey.
V. P.—John M. Gleason.
Sec. and Treas.—James F. Draper.
Mgr.—Thomas Draper.

Petrolea, Canada—Draper Manufacturing Co. of Canada, Ltd., Thos. Draper, Pres. & Mgr.

Draper Mfg. Co., The, 329 Greenwich St., New York.
Draper-Maynard Co., Plymouth, N. H.
Draper Shade Co., Luther O., Spiceland, Ind.
Drapery Hardware Mfg. Co., 13th st. & Van Alst Ave., Long Island City, N. Y.
Draver, E. R., machsts., Richmond, Ind.
Dravo Company, 650 Lawton St. (Power Plant Equip.) Milwaukee, Wis.
Dravo Contracting Co., Diamond Bank Bldg., Pittsburgh, Pa.
Dravo-Doyle Co., Diamond Bk. Bldg., Pittsburgh, Pa. (Engineers)
Dravo-Doyle Co., Schaff Bldg., Philadelphia, Pa.
Dreadnought Flooring Co., 154 W. 13th St., New York.
Dredge, A., Ruling Pen Co., 75 Gold, New York.
Dreer, Henry A., glaziers' points, 1304 Spring Garden, Philadelphia, Pa.
Dreher, Ernest A., & Son, automatic cellar drainers, 42 Walnut, Newark, N. J.
Drehmann Paving & Constr. Co., 508 Glenwood, Philadelphia, Pa.
Dreier, E., & Son, contractors, Kansas City, Kan.
Dreifus Co., Chas., 1707 Oliver Bldg., Pittsburgh, Pa.
Dreifus, Stanton L., Pennsylvania Bldg., Philadelphia, Pa.
Drein & Son Co., Thos., Wilmington, Del.

DREIS & KRUMP MFG. CO., 7420 Loomis St., Chicago.

Pres.—H. C. Dreis.
Sec. & Gen. Mgr.—W. H. Dreis.
Treas.—Nic. Krump.

Dreis, Ed. J., Co., 200 2d st., San Francisco, Calif.
Dreisbach's Sons, C., Lewisburg, Pa.
Drell Novelty Mfg. Co., shoe ornaments, 100 5th av., New York.
Drendell Electrical & Mfg. Co., 1345 Howard, San Francisco, Calif.
Drennan Hdwe. Co., Syracuse, N. Y.
Drenthe-Hamilton Canning Co., Hamilton, Mich.
Dresden Spoke Co., Dresden, Tenn.
Dresden Woolen Mills, Dresden, Ohio.
Dreses Machine Tool Co., 227-41 W. McMicken Ave., Cincinnati, O.
Dresner, S., & Son, bags, traveling bags, 500 Peoria, Chicago, Ill.
Dresner & Wein, traveling bags, 149 W. Austin av., Chicago, Ill.
Dressel Railway Lamp & Signal Co., Arlington, N. J.
Dressendorfer, Andrew, machsts. & fndrs., Fountain City, Wis.
Dresser Car Door Seal Co., The, Toledo, O.

DRESSER MFG. CO., S. R., 54 Boylston St., Bradford, Pa.
Pres. & Gen. Mgr.—Fred A. Miller.

Drew & Co., C., (Mechanics Tools) Kingston, Mass.
Drew & Co., Inc., E. F., 44 Whitehall St., New York.
Drew Carrier Co., agricultural implements, Waterloo, Wis.
Drew-Daniels Granite Co., Waterbury, Vt.
Drew, E. F., & Co., oils, 88 Broadway, Boston, Mass.
Drew Electric & Mfg. Co., Collamer av., Cleveland, O.
Drew, Geo. F., Brunswick, Me.
Drew, Miller & Co., turpentine, Kissimmee, Fla.
Drew Oil Mills, Monticello, Ark.
Drewry Bros., toys, North Weare, N. H.
Drexel Institute of Art, Science & Industry, engng. school & coll., Chestnut & S. 32d, Philadelphia, Pa.
Dreyer, H. D., & Co., packing box mfrs., Aliceanna & Spring, Baltimore, Md.
Dreyer, H. G., & Son Co., racks, Cleveland, Ohio.
Dreyfus Bros., contractors, 324 California, San Francisco, Calif.
Driesbach, F. C., & Son, masons' & bldrs.' matls., White Pigeon, Mich.
Driesbach's, C., Sons, wholesale hdwe. & masons' & bldrs.' matls., Lewisburg, Pa.
Driggs, C. V., Inc., plumbers' supplies, 160 E. 56th, New York.
Driggs Ordnance & Mfg. Corp., 50 Whitney Ave., New Haven, Conn.
Driggs-Seabury Ordnance Co., forgings & pressed steel, Sharon, Pa.
Driscoll Bros. & Co., contractors, & masons' & bldrs.' supplies, Ithaca, N. Y.
Driscoll, Geo. F., Co., contractors, 548 Union, Brooklyn, N. Y.
Driscoll, J., & Son Co., contractors, Brookline, Mass.
Driscoll, John E., sewer contr., Torrington, Conn.
Driscoll, T. J., & Co., contrs., Mers. Bk. Bldg., Indianapolis, Ind.
Driscoll Wire Co., 261 Canal, Shelton, Conn.
Drissel & Eberts, hardware—whol., S. Bethlehem, Pa.
Driver & Co., L. F. (Lumber), Thomasville, Ga.

DRIVER-HARRIS CO., Castings for annealing, carbonizing, hardening & tempering, Harrison, N. J.
526 W. Randolph St., Chicago, Ill.
General Motors Bldg., Detroit, Mich.

Driver, John M., Co., paper bags, 55th & Hunter, Philadelphia, Pa.
Driver, John, see Boss Ladder Co. (successor).
Driver Lumber Co., L. F., 1121 White Bldg., Seattle, Wash.
Droeger Hardware Co., Seymour, Wis.
Droescher, S. R., whol. hdwe. & razor mfrs., 79 Warren, New York.
Drof, Peter, masons' & bldrs.' matls., Petersburg, Ind.
Droitcour & Eysenbach, Delphos, O.
Drop-a-Line Indicator Co., 523 Prairie, Milwaukee, Wis.
Drop Die & Engineering Co., forging dies & tools, 5606 Curtis av., Cleveland, Ohio.
Drop Forging Co. of New York, West Side Ave., and Fisk St., Jersey City, N. J.
Drop Head Projector Co., Fond du Lac, Wis.
Drost, H., Box Mfg. Co., pkg. box mfrs., Manitowoc, Wis.
Drouve Co., G., 40 Tulip St., Bridgeport, Conn.
Drucker Bros., buttons, 113 W. 31st, New York.
Drucker & Co., trunks, 6 W. 4th, Cincinnati, Ohio.
Drudley & Orr, stone, El Paso, Tex.
Druecker, Jos., Sons' Co., masons' & bldrs.' matls., Atwater rd., Milwaukee, Wis.
Druecker, N. J., & Co., masons' & bldrs.' matls., 2634 N. Artesian av., Chicago, Ill.
Drueding Bros. Co., chamois importers, 5th & Master, Philadelphia, Pa.
Drug & Chemical Markets, trade publication, 3 Park pl., N. Y.
Druggists' Circular, trade publication, 100 William, New York.
Druggists Label Co., 122 Front, San Francisco, Calif.
Druid Oak Belting Co., Inc., 111 E. Lombard St., Baltimore, Md.
Drum, A. L., & Co., consulting & construction engineers, 230 S. Clark st., Chicago, Ill.
Drum Mfg. Co., S. R., 2909 Wabash Ave., Chicago (now Fred Y. Nichols).
Drumm Construction Co., 7424 Woodlawn av., Chicago, Ill.
Drummond Mfg. Co., 1214 W. Main St., Louisville, Ky.
Drummond-Miller Co., contractors, 4500 Euclid av., Cleveland, O.
Drummond Packing Co., meat, Eau Claire, Wis.
Drummond, T. B., & Co., masons' & bldrs.' matls., Buckhannon, W. Va.
Drummond, W. H., Co., heating contractors, 60H Lafayette, Newark, N. J.
Drury & Kelley Hardware Co., Cadillac, Mich.
Drury Brick & Tile Co., Essex Junction, Vt.
Drury Co., H. A. (Metal Saws), 1472 Broadway, New York.
Dry Goods Economist, trade publication, 239 W. 39th, New York.
Dry Goods Reporter, trade journal, 215 So. Market, Chicago, Ill.
Dry Kiln Door Carrier Co., 1117 Cornell ave., Indianapolis, Ind.
Dry Kold Refrigerator Co., Niles, Mich.
Dryden Rubber Co., 1014 S. Kildare Ave., Chicago.
Dryfus Packing & Provision Co., meat, Lafayette, Ind.
Drying Systems, Inc., 11 S. Desplaines St., Chicago.
Dryrite Co. of Calif., Inc., Chancery Bldg., San Francisco, Calif.
Dry-Zero Corp., ice cream cabinets, refrigerators, etc., 1115 19th av., Oakland, Calif.
Dubble & Zinn, fndrs., Myerstown, Pa.
Du Bell Mfg. Co., mattresses, Bath, N. Y.
Dubied Machy. Co., knitting machy., 139H Franklin, New York.
Dubilier Condenser & Radio Corp., 48 W. 4th St., New York.
Dublin Buggy Co., Dublin, Ga.
Dublin Lbr. Co., Dublin, Ga.
Dublin Mill & Elevator Co., flour, Dublin, Tex.
Dublin Roller Mills, flour, Dublin, Va.

Dubois & McCoy Lumber Co., Bellaire, O.
Du Bois Co., Inc., The F. N., 243-247 Ninth Ave., New York.
Dubois, Chas. L., cornices & skylights, Englewood, N. J.
Dubois Clay Mfg. Co., Dubois, Pa.
Dubois, F., cornices, Vincennes, Ind.
Du Bois Fertilizer Works, Inc., Du Bois, Pa.
Du Bois Fdry. Co., machsts. & fndrs., Cold Springs, N. Y.
Du Bois, Henry, Sons' Co., contractors, 17 State, New York.

DUBOIS IRON WORKS, Dubois, Pa.

Dubois, Jno. E., masons' & bldrs.' matls., & sash, door & blind mfrs., Du Bois, Pa.
Du Bois, L., & Co., wholesale hdwe., Ellenville, N. Y.
Du Bois Lumber Co., Lake, Miss.
Du Bois Lumber Co., Vancouver, Wash.
Dubois Machine Co., piston rings, 118 Hudson av., Albany, N. Y.
Dubois Watch Case Co., 316 Herkimer, Brooklyn, N. Y.
Dubuar, C. L., Lbr. Co., tackle block sheaves, Northville, Mich.
Dubuque Boat & Boiler Works, Dubuque, Ia.
Dubuque Casket Co., Dubuque, Iowa.
Dubuque Mattress Fcty., Dubuque, Ia.
Dubuque Pckg. Co., meat packers, Dubuque, Ia.
Dubuque Rubber & Belting Co., Dubuque, Ia.
Dubuque Sanitary Mfg. Co., Dubuque, Ia.
Dubuque Tanning & Robe Co., Dubuque, Iowa.
Ducas, B. F., Co., aniline colors, dyes, etc., 25 S. William, New York.
Duchemin, Geo. W., plastic ornaments, classic wood carvers, 37 Wainwright, Newark, N. J.
Duck, Wm. B., radio app., 711 Adams, Toledo, Ohio.
Ducktown Sulphur, Copper & Iron Co., copper ores & sulphuric acid, Isabella, Tenn.
Duckwall Belting & Hose Co., 201 N. West, Indianapolis, Ind.
Duckworth Chain & Mfg. Co., 41 Mill St., Springfield, Mass.
Duckworth-Crawford Co., contractors, 111 High, Newark, N. J.
Du Comb, W. C., 137 Woodbridge St., E., Detroit, Mich.
Ducommun Hardware Co., 219 Central St., Los Angeles, Cal.

DUDLEY COAL CO., B. C., 1803 Merchants Bank Bldg., Indianapolis, Ind.

Dudely Tool Co., pumps, aircraft, Menominee, Mich.
Dudgeon Co., machsts. & fndrs., Cane Valley, Ky.
Dudgeon, Richard, 82 Broome St., New York.
Dudgeon, R., Columbia & Broome Sts., New York.
Dudle La Pierre Co., The Henry M., Circle Ave. & 14th St., Forest Park, Ill.
Dudley & Orr, stone, El Paso, Texas.
Dudley, A. W., Co., cornices, 1022 Wabash ave., Terre Haute, Ind.
Dudley, Chas. H., sporting & athletic goods, Hanover, N. H.
Dudley, D. T., & Co., shoe laces, Haverhill, Mass.
Dudley, D. T., & Son Co., tex. machy. (shuttles), Wilkinsonville, Mass.
Dudley, Ed., Pump House, 220 Broadway, Fresno, Calif.
Dudley Electric & Machine Co., 7 E. Fayette St., Uniontown, Pa.
Dudley, George, & Son, Co., leather, Winstead, Conn.
Dudley Lumber Co., Inc., Fields Ave., Memphis, Tenn.
Dudley Paper Co., adding machine rolls, Lansing, Mich.
Dudley, S. A., tex. machy., shuttles, Taunton, Mass.
Dudley, S. W. R., masons' & bldrs.' matls., Seattle, Wash.
Dudley Sash, Door & Lumber Co., Columbus, Ga.
Dudley Tire Mold & Mfg. Co., 5615 Pacific Blvd., Los Angeles, Calif.
Dudley, W. E., mill & facty. supplies, Ashtabula, Ohio.
Dudlo Mfg. Co., Wall St., Ft. Wayne, Ind.
Dudman Drug & Chemical Co., 44 Cannon, Charleston, S. C.
Duebel, Chas., & Co., contractors, 316 1st, San Francisco, Calif.
Dueber Watch Case Mfg. Co., Tuscarawas W., Canton, Ohio.
Duemer, Louis, patternmaker, Hamilton, Ohio.
Duer & Sons, Inc., John, 36 S. Charles St., Baltimore, Md.

DUER SPRING & MFG. CO., INC., (Mfrs. of springs of every description), Mulberry st., McKees Rocks, Pa.

Duerr, Peter, & Bros., willow ware, 110 Willow, Liverpool, N. Y.
Dues, J. J., Machine Co., Minster, Ohio.
Duesenberg Automobile & Motors Co., Washington & Harding Sts., Indianapolis, Ind.
Dufeck Mfg. Co., The, Denmark, Wis.
Duff, Chas. H., fish line mfr., Rockland, Me.

DUFF MANUFACTURING COMPANY, THE, Preble Ave., Pittsburgh, Pa.

Pres.—J. R. McGinley.
V. P. & Gen Mgr.—T. A. McGinley.
Sec.—F. O. Graham.
Mgr. of Sales, Central District.—E. A. Johnson.
Atlanta, Ga.—Candler Bldg., G. E. Watts, Southern Sales Mgr., Ivy 3634.
Chicago—Peoples Gas Bldg., C. N. Thulin, Western Sales Mgr., Harrison 0620.
Houston, Tex.—G. F. Cotter Sup. Co., Preston 2135.
New York—50 Church St., Hudson Terminal, C. A. Methfessel, Eastern Sales Mgr., Cortland 3033 & 3034.
Export Office—T. W. Cummer, Export Mgr. Pittsburgh, Pa.—Linden 1156.
St. Louis, Mo.—2112 Railway Exchange Bldg., G. E. Anderson, South Western Sales Mgr., Olive 7409.
San Francisco, Cal.—Monadnock Bldg., R. R. Vaught, Pacific Coast Representative, Karny 2251.

Duff Patents Co., Inc., 918 Frick Bldg., Pittsburg, Pa.
Duff, Samuel E., consulting engr., Empire bldg., Pittsburgh, Pa.
Duff, Thos. J., architect, 407 W. 14th, New York.
Duff, Wm. E., Co., machinery dlrs. & mill & facty. supplies, York, Pa.
Duffee, W. F., & Co., contractors, Haverhill, Mass.
Duffley, John, machst., Hamilton, Ohio.
Duffield & Co., suit case hdwe., children's furniture, typewriters, etc., Derby, Conn.
Duffin Iron Co., 4837 S. Kedzie, Chicago, Ill.
Duffner & Stecker Const. Co., 119 N. 7th, St. Louis, Mo.
Duffy Co., J. P., 207 E. 138th St., New York.
Duffy Bros. Contr. Co., Cambridge, Ohio.
Duffy, J. F., Jr., banana knives, 563 Fulton, Chicago, Ill.
Duffy, John J., brush machy., Waterford, N. Y.
Duffy, L. B., canned goods, Haymakertown, Va.
Duffy, M. J., granite producers, Concord, N. H.
Duffy Mfg. Co., 214 W. Grand Ave., Chicago.
Duffy-Trowbridge Stove Mfg Co., Hannibal, Mo.
Dufton Hardware Co., Clearfield, Pa.
Dufur & Co., 309 N. Howard St., Baltimore, Md. (Wire Goods.)
Dufur, Baggott & Co., 403 N. Paca, Baltimore, Md.
Dufur Lbr. Co., Dufur, Ore.
Dugan, Cumberland Co., Baltimore, Md.
Dugan, D. D., & Son, contrs., Olean, N. Y.
Dugan, Geo. A., Co., cornices, contractors, 200 5th av., New York.
Dugan, Herbert F., squirrel killers, 1170 Sutter, San Francisco, Calif.
Dugan-Johnson Co., surgical instruments, 29 W. Ohio, Indianapolis, Ind.
Dugan Lumber Co., Bank of Commerce Bldg., Memphis, Tenn.
Dugan, M., Concrete Co., Bldrs. & Trds. exchange, 1610 Clarewood, Cincinnati, Ohio.
Duggan, F. A., 202 Castle blvd., Tulsa, Okla.
Duggan-Rider Co., waste paper baskets, Erie, Pa.
Dugger & Goshorn, plow handles, Memphis, Tenn.
Dugwell Packing Co., Rocky Mount, Va.
Dunamel Company, Rapid City, S. D.
Duhlmeier Bros., lbr., Wad. Dalton av., Cincinnati, O.
Duhrkop Oven Co., 15 Park Row, New York.
Duisdieker Foundry & Mfg. Co., machsts. & fndrs., Pekin, Ill.
Duke-Peterson Hardware Co., 113 W Redwood St., Baltimore, Md.
Duke Steel Co., Inc., 191 Pearl St., New York.
Dukedom Roller Mill Co., flour, Dukedom, Tenn.
Dukehart & Co., Morton McI., McComes & Race Sts., Baltimore, Md.
Duker & Co., Otto, 530 Albemarle, Baltimore, Md.
Duker, J. H., Box Co., packing, Aliceanna, cor. Eden, Baltimore, Md.
Dukerschien, L. W., Heating & Ventilating Co., radiator valves, Oshkosh, Wis.
Dulaney, W. F., & Sons, machy. dealers, Paris, Tex.
Dulany, J. H., canned goods, Fruitland, Md.
Duling, H. L., flour mills, Gormania, W. Va.
Dull Co., Raymond W., Conway Bldg., Chicago.
Dull, Jno. J., 1524 Chestnut av., Philadelphia, Pa.
Dullabahn, Geo. D., contrs., Lebanon, Pa.
Dulle, G. H., Milling Co., flour, Jefferson City, Mo.
Duluth & Iron Range R.R. Co., Duluth, Minn.
Duluth Auto Supply Co., Inc., 118 E. Superior St., (Jobbers), Duluth, Minn.
Duluth Boiler Wks., Duluth, Minn.
Duluth Brass Works Co., Duluth, Minn.
Duluth Corrugating & Roofing Co., see Western Steel Products Co. (successor).
Duluth Crushed Stone Co., Duluth, Minn.
Duluth Diamond Drilling Co., Duluth, Minn.
Duluth Electrical Supp. Co., Duluth, Minn.
Duluth Iron & Metal Co., Duluth, Minn.
Duluth Lbr. Co., Duluth, Minn.
Duluth Machinery Co., Duluth, Minn.
Duluth Oregon Lumber Co., Sherlock bldg., Portland, Ore.
Duluth Plumbing Supplies Co., Duluth, Minn.
Duluth Show Case Co., Duluth, Minn.
Duluth-Superior Dredging Co., Duluth, Minn.
Duluth Trunk Co., Duluth, Minn.
Duluth Universal Milling Co., flour, Duluth, Minn.
Dulweber, Jno., 112 E. 19th av., Cincinnati, Ohio.
Dumarest Bros., crude rubber, 66 Front, New York.
Dumbleton, Thos., & Son, brick oven bldrs., 619 Carlton av., Brooklyn, N. Y.
Dumond Mfg. Co., clothes washing machines, Cedar Falls, Ia.
Dumrauf & Wicke, butchers' blocks, 406 E. 102d, New York.
Dunbar & Co., machsts., 2652 W. Lake, Chicago, Ill.
Dunbar & Sullivan Dredging Co., contractors, Dime Bank bldg., Detroit, Mich.
Dunbar & Wallace, whol. lbr., Washington, Pa.
Dunbar Box & Lumber Co., 557 W. 28th St., New York.
Dunbar Brick Co., Augusta, Ga.
Dunbar Bros., granite, Sullivan, Me.

DUNBAR BROS. CO., springs, Bristol, Conn.

Dunbar Construction Co., Sault Sainte Marie, Mich.
Dunbar Drop Forge Co., 2506-22 W. 21st St., Chicago.
Dunbar Dukate Co., New Orleans, La.
Dunbar, F. W., & Co., imp. crude rubber, 7 Water, New York.
Dunbar Flint Glass Co., chimney, Dunbar, W. Va.
Dunbar, J. J., & Co., htg. contrs., 415 Milwaukee av., Chicago, Ill.
Dunbar, L. L., carriages, Linngrove, Ind.
Dunbar Mfg. Co., rubber balloons, finger cots, South River, N. J.
Dunbar Mill & Lumber Co., Cairo, Ill.
Dunbar Printing Co., The J. E., 26 Summer St., Bristol, Conn.
Dunbar, Wm., Co., contrs., 8201 Cedar av., Cleveland, Ohio.
Dunbar-Wood Engineering Co., Covington, Ky.
Duncan & Bro., fertz. mfrs., La Grange, Ky.
Duncan & Goodell Co., 404 Main St., Worcester, Mass.
Duncan & Miller Glass Co., Washington, Pa.
Duncan & Porter Co., masons' & bldrs.' matls., 310 Mendota, Pittsburgh, Pa.
Duncan & Sons, horse collars, 315 2nd, Seattle, Wash.
Duncan Bros. & Wray Co., machsts., Ludlow Falls, Ohio.
Duncan, D. D., & Co., ironing boards, sashes & screens, E. 58th at Central av., Los Angeles, Calif.
Duncan Electric Mfg. Co., machsts. & fndrs., watthour meters, transformers & wattmeters, Lafayette, Ind.
Duncan Foundry & Machine Works, Alton, Ill.
Duncan, Geo., & Co., burlap, 366 Broadway, New York.
Duncan, J., Co., overhead trolleys, 39 Parlin, Everett, Mass.
Duncan, John M., Co., ranges & cooking apparatus, 1729 Mission, San Francisco, Calif.
Duncan Lbr. Co., Cumberland, Ind.
Duncan Lumber Co., Portland, Ore.

DUNCAN STEWART & CO., LTD., steam engines, presses, etc., export dept., 43 Cedar, New York.

Duncan, W. C., & Co., contrs., Sharon Bldg., San Francisco, Calif.
Duncan, W. G., Coal Co., Greenville, Ky.
Duncan, W. H., Co., Inc., auto top fabrics, 70 Worth, New York.
Duncan's Mills Land & Lumber Co., 112 Market, San Francisco, Calif.
Duncannon Flouring Mill Co., Duncannon, Pa.
Duncanson-Harrelson Co., contractors, Chronicle bldg., San Francisco, Calif.
Dunck Tank Wks., wood, 878 30th, Milwaukee, Wis.
Dundee Canning & Preserving Co., Dundee, Mich.
Dundee Mfg. Co., 17 Edinboro St., Boston, Mass.
Dundee Mills, towels, Hookset, N. H.
Dundee Textile Co., umbrella cloth, Passaic, N. J.
Dundon Iron Works, 225-227 Folsom St., San Francisco, Calif.

DUNDORE MFG. CO., gears, wool condenser, 224 Orange, Reading, Pa.

Dunellen Lumber & Stone Co., Dunellen, N. J.

DUNER COMPANY, 101 S. Clinton St., Chicago.

Pres.—F. L. Wells.
Sec.—John C. Duner.

Duner-Matheny Sash & Door Co., 4208 E. 14th, Oakland, Calif.
Dunfee & Co., J., 1327 Washington Blvd., Chicago.
Dungan Fertilizer Co., Doylestown, Pa.
Dungan Hood & Co., Inc., leather, 240 W. Susquehanna av., Philadelphia, Pa.
Dungannon Lbr. Co., Dungannon, Va.
Dunham & Fiske, machsts., Whitewater, Wis.
Dunham, Carrigan & Hayden Co., Kansas & Division St., San Francisco, Calif.

DUNHAM COMPANY, C. A., (Administration Section and General Offices) 230 E. Ohio St., Chicago, Eastern Division Office, 101 Park Ave., New York.

Factories:
Marshalltown, Ia., and Toronto, Ont., Can.

Branch Sales Offices:
Bormingham, Ala.—1631 Second Ave., C. P. Lichty, Mgr.
Boston, Mass.—136 Federal St., F. D. B. Ingalls.
Cheyenne, Wyo.—600-606 Citizens' Bank Bldg., A. S. Meyring, Mgr.
Chicago—606 Pelouze Bldg., Macy S. Good, Mgr.
Cincinnati, O.—1231 Union Trust Bldg., O. J. Allonier, Mgr.
Cleveland, O.—452 Erie Bldg., Arthur Dufty, Mgr.
Dallas, Tex.—809-810 Southwestern Life Ins. Bldg., J. H. VanZandt, Mgr.
Davenport, Ia.—305 Security Bldg., D. C. Murphy, Mgr.
Denver, Colo.—512-514 Bank Block, 17th & Arapahoe, L. A. Michael, Mgr.
Des Moines, Ia.—410-411 Hubbell Bldg., Preston Daniels, Mgr.
Detroit, Mich.—2847 Grand River Ave., C. W. Locker, Mgr.
El Paso, Tex.—226 Mesa Ave., G. W. Herlin.
Indianapolis, Ind.—516 Board of Trade Bldg., N. C. Ascher, Mgr.
Kansas City, Mo.—1627 Main St., H. H. Wright.
Los Angeles, Cal.—220 Union Oil Bldg., A. R. Draves, Mgr.
Louisville, Ky.—1417 Starks Bldg., W. Hoelng.
Milwaukee, Wis.—Room 308, 290 Third St., C. L. Chase, Mgr.
Minneapolis, Minn.—132 S. 10th St., W. F. Uhl, Mgr.
New York—101 Park Ave., M. G. Hook, Mgr.
Philadelphia, Pa.—806 Otis Bldg., L. G. Paine, Mgr.
Pittsburgh, Pa.—910-911 May Bldg., C. W. Wheeler.
Portland, Ore.—410 Board of Trade Bldg., H. K. Mead, Mgr.
Rochester, N. Y.—629 Mercantile Bldg., J. F. Brightman.
St. Louis, Mo.—1014 Chemical Bldg., Frank L. Russell, Mgr.
Salt Lake City, Utah—204 Dooly Bldg., E. R. Hawley, Mgr.
San Francisco, Cal.—585 Mission St., J. P. Hermans, Mgr.
Seattle, Wash.—2021 L. C. Smith Bldg., F. H. Godfrey, Mgr.
Spokane, Wash.—Howard & Railroad Aves., E. H. Hughes, Mgr. c/o Hughes Co.
Troy, N. Y.—Rice Bldg., R. W. M. Clarke, Mgr.
Washington, D. C.—710 Fourteenth St., N. W., J. P. Mewshaw, Mgr.

Local Sales Offices:
Allentown, Pa.—33 N. 8th St., C. L. Beckwith, Mgr.
Atlanta, Ga.—804 Forsyth Bldg., W. K. Andrews.
Buffalo, N. Y.—232 Delaware St., M. S. Jackson.
Chattanooga, Tenn.—823 Chestnut St., G. W. Campbell, Mgr.
Clarksburg, W. Va.—215-217 Exponent Bldg., Fred S. Thompson.
Columbus, O.—71 E. State St., H. R. Allonier, Mgr.
Dallas, Tex.—809 Southwestern Life Ins. Bldg., George T. Sprau, Mgr.
Grand Rapids, Mich.—Empress Bldg., J. H. Senke.
Harrisburg, Pa.—19 N. 3rd St., J. W. Pyles, Mgr.
Ironwood, Mich.—Glassner Bldg., R. K. Springer, Mgr.
Jamaica, L. I.—8935 145th St., Lawrence L. Brooks, Mgr.
Kalispell, Mont.—11 Whipps Block, H. O. Voss.
La Crosse, Wis.—302 Main St., H. MacD. Davidson.
Memphis, Tenn.—216 Madison Ave., C. L. Ahler, Mgr.
New Haven, Conn.—107 Grand Ave., Duncan MacArthur, Mgr.
Newark, N. J.— 972 Broad St., J. M. Chipman, Mgr.
Omaha, Nebr.—1820 St. Mary's Ave., D. E. McCulley, Mgr.
Peoria, Ill.—1015 Peoria Life Bldg., C. E. Kallister.
Providence, R. I.—525 Industrial Trust Bldg., Jos. W. Seymour, Mgr.
Pueblo, Colo.—609 Grand Ave., J. A. Zimmerman, Mgr.
Quincy, Ill.—621-625 Maine St., A. L. Best.
Richmond, Ky.—Elks Bldg., Ben F. Hurst, Mgr.
San Antonio, Tex.—502 Calcasieu Bldg., H. J. Dalton, Mgr.
Scranton, Pa.—514 Dudley St., D. B. Macdonald, Mgr.
Syracuse, N. Y.—306 O. C. S. B. Bldg., E. R. Greeley, Mgr.
Toledo, O.—1310 Jackson Ave., H. H. Donnelly, Mgr.
Trenton, N. J.—Hunt Bldg., W. E. Russell.
White Plains, N. Y.—Post Office Bldg., Depot Plaza, Wm. J. Carney, Mgr.
Wichita, Kan.—302 Orpheum Bldg., J. M. O'Connor.

Canadian Office:
Dunham Co., Ltd., C. A., 1523-41 Davenport Road, Toronto, Ont.

Branch Sales Offices:
Calgary, Alberta—311 Dominion Bank Bldg., A. Walker, Mgr.
Halifax, N. S.—205 Roy Bldg., Geo. A. Gray, Mgr.
Montreal, Que.—904 New Birks Bldg., A. Kastello, Mgr.
Ottawa, Ont.—Jackson Bldg., J. H. Shaver, Mgr.
Toronto, Ont.—229 College St., E. T. Flanagan.

(Continued on following page)

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Winnipeg, Man.—405 Tribune Bldg., J. H. Leonard, Mgr.
Vancouver, B. C.—510 W. Hastings St., D. G. Briston, Mgr.

Foreign Sales Offices:
St. Johns, Newfoundland—Kings Rd. & Gower St., (P. O. Box 909), C. A. Hubley.
Birmingham, Eng.—44 Severn St., A. Goldie Englheim.
Gothenburg, Sweden—Barnhusgatan, 18, H. Bygren.
Leeds, Eng.—Standard Bldgs., Messrs. H. Hinings & Co.
Liverpool, Eng.—Royal Liver Bldg., Wm. Heap & Partners, Ltd.
London, S. E. 1.—18 St. Thomas St., C. A. Dunham Company, Ltd., A. J. Assheton, Mgr.
Newcastle-on-Tyne, Eng. — Milbourn House A, Messrs. Swinburne & Hardie.
Glasgow, Scotland—60-64 Robertson St., Wm. McLeod & Co.
Belfast, Ireland—5 Bedford St., Henry R. Ayton.
Paris, France—47 Rue Fontaine-au-roi 47 (Distributors) Munzing & Co., Mr. Wanner.

Dunham Co., The, Berea, O.
Dunham, Crawford L., mill & facty. supplies, 1789 Purchase, New Bedford, Mass.
Dunham, D. B., & Son, auto. & vehicle tops, Newark, N. J.
Dunham, H. E., masons' & bldrs.' matls., Chelan, Wash.
Dunham Mills, sweaters, cardigans, etc., 18 Asylum, Hartford, Conn.
Dunham, O. E., contractor, Warren, Pa.
Dunham, Thos. C., whiting, varnish, paint, plate glass, 68 Murray, New York.
Dunham Thomas Co., auto accessories, filing cabinets, etc., 284 Cleveland av., Aurora, Ill.
Dunham, W. H., masons' & bldrs.' matls., Okanogan, Wash.

DUNHAMETER CORP., 230 E. Ohio st., Chicago.
Dunigan Stave & Cooperage Co., Meridian, Miss.
Dunigan Tool & Supply Co., Breckenridge, Tex.
Dunka River Lbr. Co., Fairbanks, Minn.
Dunkar-Dukate Co., canned gds., Blanche bldg., New Orleans, La.
Dunker & Perkins, distributors soaps & dyestuffs, 287 Atlantic av., Boston, Mass.
Dunkirk Brick & Tile Co., Dunkirk, N. Y.
Dunkirk Constr. Co., Dunkirk, N. Y.
Dunkirk Corp., exhaust mufflers & valves, 12 E. 2nd, Dunkirk, N. Y.
Dunkirk Lbr. Co., Dunkirk, Ind.
Dunkirk Mach. & Boiler Co., Dunkirk, N. Y.
Dunirk Mason & Contr. Co., Dunkirk, N. Y.
Dunkirk Window Glass Co., S. Charleston, W. Va.
Dunkley Co., 120 12th st., Oakland, Calif.
Dunlap & Co., contrs., masons' & bldrs.' matls., Columbus, Ind.
Dunlap, C. C., lumber, Delaware, Ohio.
Dunlap Hardware Co., Macon, Ga.
Dunlap, John, Co., oils, cans, Carnegie, Pa.
Dunlap Mfg. Co., cloths, metal polish, screens, Bloomington, Ill.
Dunlap Printing Co., Juniper & Cherry Sts., Philadelphia, Pa.
Dunlap-Ward Adv'g Co., The, Union Nat'l Bank Bldg., Cleveland, O.
Dunleavy Bros., contractors, Coatesville, Pa.
Dunlevie Lumber Co., Allenhurst, Ga.
Dunlevy-Franklin Co., meat packers, Hamilton av. & Enterprise, Pittsburgh, Pa.
Dunlop & Lisk Pottery Co., Matawan, N. J.
Dunlop Co., John, Gregg St., Pittsburgh, Pa.
Dunlap Lumber & Tie Co., Dunlap, Tenn.
Dunlop Milling Co., flour, Clarksville, Tenn.
Dunlop Mills, flour, Richmond, Va.
Dunlop-Moore Co., masons' & bldrs.' matls., Duluth, Minn.
Dunn & Co., J. C., Camden, N. J.
Dunn & Elliot Co., Thomaston, Me.
Dunn & McCarthy Co., contrs., 8 Danville, Indianapolis, Ind.
Dunn & Rodenberg, clutch pencils & pocket knives, Baker, Providence, R. I.
Dunn & Sheridan, contractors, 241 E. 36th st., New York.
Dunn & Sons, Thos., Moline, Ill.
Dunn & Woodall, contrs., Walton Bldg., Atlanta, Ga.
Dunn Brick Co., Erie, Pa.
Dunn Co., C. J., 102 N. Chas., Baltimore, Md.

DUNN CO., W. C., 830 W. 6th St., Cincinnati, O.
Boston, Mass.—Essex Bldg., F. A. Barbey.
Chicago—Peoples Gas Bldg., H. G. Doran & Co.
New York—30 Church St., P. C. Cady.
St. Louis, Mo.—Frisco Bldg., Certes Supply Co.
St. Paul, Minn.—Robinson, Cary & Sands.

Dunn Connellsville Coke Co., Adamsburg, Pa.
Dunn Construction Co., Chamber of Commerce Bldg., Birmingham, Ala.
Dunn Edge Tool Co., Oakland, Me.
Dunn, Geo. O., & Bros., contrs., Indianapolis, Ind.
Dunn Green Leather Co., 48 Lincoln, Boston, Mass.
Dunn Ink Works, 1543 Niagara St., Buffalo, N. Y.
Dunn, J. Edward, Co., reboring tools for engine cylinders, metal stamping, spec. machy., etc., 9 Bethune, New York.
Dunn, J. M., & Son, contrs., Broadway & Depot, Knoxville, Tenn.
Dunn, James, Box Co., packing box, 1952 W. 3d, Cleveland, Ohio.
Dunn, Jas. P., chain hoists, Cleveland, Ohio.
Dunn, Jno. A., Co., revolving chairs, Gardner, Mass.
Dunn Jwly. Co., badges & buttons, 82 Nassau, New York.
Dunn, L. J., cornices, 1976 Lexington av., New York.
Dunn Loop Coal & Coke Co., Macdonald, W. Va.
Dunn Lumber Co., White Bldg., Seattle, Wash.
Dunn, M. E., machy., dlrs., 105 Wash., Portland, Me.
Dunn-McCarthy Co., The, 19 S. Wells St., Chicago.
Dunn Mach. Co., 55 Carroll, Buffalo, N. Y.
Dunn Mfg. Co., auto parts & fittings, 200 Main, Clarinda, Ia.
Dunn Mfg. Co., door check & spring mfrs., Mankato, Minn.
Dunn Mfg. Co., oil well tools, Oxnard, Calif.
Dunn Mfg Co., W. E. Holland, Mich.
Dunn Oil Mills Co., Dunn, N. C.
Dunn Pen Co., The, 71 5th Ave., New York.
Dunn Road Machy. Co., Conneaut, O.
Dunn, T. W., Co., glue & gelatine, 546 Greenwich, New York.
Dunn, W. H., cornices & skylights, Pasadena, Calif.
Dunn, Walter E., automobile bldrs., Ogdensburg, N. Y.
Dunn, Walter E., Mfg. Co., oil engines, etc., Ogdensburg, N. Y.
Dunn Wire-Cut Lug Brick Co., Conneaut, Ohio.
Dunn, Wm. J., Fall River, Mass.
Dunne, David M., Co,. Inc., paint, 19th & Sherlock av., Portland, Ore.
Dunne, Thos., Co., advtg. nov., 415-417 Natchez, New Orleans, La.
Dunnebacke Co., masons' & bldrs.' matls., Kenosha, Wis.
Dunnewold & Sartell, sashes, doors & blinds, St. Cloud, Minn.

DUNNING & BOSCHERT PRESS CO., INC., 379 W. Water St., Syracuse, N. Y.
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New York—25 W. Broadway.

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Dunning Corp., J. H., 53 Park Place, New York.
Dunning, Erich, Harvester Co., machsts. & fndrs., Harrington, Wash.
Dunning Iron Store Co., hdwe., 475 E. 3rd, Los Angeles, Calif.
Dunning-Lueckel Engrg. Co. (Cement Machy.), 50 Church St., New York.
Dunning, R. B., & Co., plumbers' supplies, Bangor, Me.
Dunning, W. D. See Dunning & Baschert Press Co., Ins. (successor).
Dunn's Paint Machine Co., 208 Mission, San Francisco, Calif.
Dunphy Boat Mfg. Co., motor boat bldrs., Eau Claire, Wis.
Dunson Mills, cotton duck & canvas, La Grange, Ga.
Dunstan of Dunkirk, Inc., labels, Dunkirk, N. Y.
Dunstane, T. H., granite, Concord, N. H.
Duntley-King Pneumatic Tool Company (Now King Pneumatic Tool Co.), 1735 Armitage Ave., Chicago.
Duntley Pneu. Sweeper Co., 414 S. Market St., Chicago.
Dunton Co., M. W., 670 Eddy St., Providence, R. I.
Dunton Lumber Co., Rumford, Me.
Dunparquet, Huot & Moneuse Co., cooking apparatus, 312 West Ontario, Chicago, Ill.
Dunparquet, Huot & Moneuse Co. (Dining Car Ranges, etc.), 110 W. 22d St., New York.
Du Paul, Young Optical Co., Southbridge, Mass.
Duplex Buffing Machine Co., 582 Kensington Ave., Buffalo, N. Y.
Duplex Channel Pin Co., 30 Church St., New York.
Duplex Electric Co., 75 Grand Ave., New York.
Duplex Engine Governor Co., Inc., The, 36 Flatbush Ave., Extension, Brooklyn, N. Y.
Duplex Envelope Co., 116 S. Michigan Ave., Chicago.
Duplex Hanger Co. 1290 E. 53rd St., Cleveland, O.
Duplex Hose Coupling Co., Wilkensburg, Pa.
Duplex Lighting Works of General Electric Co., 6 W. 48th St., New York.
Duplex Mach. Co., 1224 W. 6th, Cleveland, Ohio.
Duplex Mfg. Co., 214 N. 13th St., Philadelphia, Pa.
Duplex Mfg. Co., 711 Rialto bldg., San Francisco, Calif.
Duplex Mfg. Co., Superior, Wis.
Duplex Mfg. & Fdry. Co., catch basins & street drainage goods, brick clamps, Elyria, Ohio.
Duplex Metallic Co., Conshohocken, Pa.
Duplex Mill & Mfg. Co., Springfield, O.
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Dupont Land Co., lumber, Dupont, Fla.
Dupont Lumber Co., Inc., Poplarville, Miss.
Dupre, Christian, contrs., Evanston, Ill.
Du Pre Mfg Co., Atlanta, Ga.
Du Pree, J. F., & Sons Co., contrs., Rome, Ga.
Dupuis, A. J., Co., contractors & dock builders, Ford Bldg., Detroit, Mich.
Duquesne Burner Service Co., Union Arcade Bldg., Pittsburgh, Pa.
Duquesne Const. Co., contractors, Bessemer bldg., Pittsburgh, Pa.
Duquesne Electric & Mfg. Co., Bessemer Bldg., Pittsburgh, Pa.
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Duquesne Oil & Supply Co., 1318 Smallman St., Pittsburgh, Pa.
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Dura Co., automobile window regulators, Toledo, O.
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DURABILT STEEL LOCKER CO., 560 Arnold Ave., Aurora, Ill.
Pres.—C. W. Killian.
Sec. & Treas.—E. D. Kaser.

Durable Manufacturing Co., 114-118 Liberty St., New York.
Durable Mat. Co., Inc., 2926 16th av. S. W., Seattle, Wash.
Durable Products Co., lacquer, Potter's Savings & Loan Bldg., East Liverpool, Ohio.
Durable Motor Truck Co., Hammond, Ind.
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Durable Toy & Nov. Co., 44 Union Sq., New York.
Durable Wire Rope Co., wire rope and accessories, 93 Pearl, Boston, Mass.
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Dural Rubber Corp., airplane parts, rubber, Flemington, N. J.
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DURAND STEEL LOCKER COMPANY, 1593 Fort Dearborn Bank Bldg., Chicago.
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Durand Hoop Co., Durand, Mich.
Durand Koering Glass Co., glass tubing & rods, Vineland, N. J.
Durang, Ferdinand F., architect, 1220 Locust, Philadelphia, Pa.
Duranoid Mfg. Co., 218 Chestnut St., Newark, N. J.
Durant Bros., canned goods, Clarksdale, Mo.
Durant Machy. & Iron Wks., Durant, Okla.

DURANT MANUFACTURING CO., 617 Buffum St., Milwaukee, Wis.
Pres. & Treas.—Wm. K. Winkler.
V. P.—Henry O. Winkler.
Sec.—George W. Smith.

Durard Desk Mfg. Co., 700 S. Sichel, Los Angeles, Calif.
Duratex Co., The, 768 Frelinghuysen St., Newark, N. J.
Durbin Company, The, 21st & Bond Ave., East St. Louis, Ill.
Durbon Paint Co., Nashville, Tenn.
Durbrow & Hearne, 12 Wooster St., New York.
Durcan, P. J., structural engnr., 325 East 45th, New York.
Durex Chemical Corp., 160 Front St., New York.
Durfee & Co., Walter H., 270 Washington St., Providence, R. I.
Durfee Mfg. Co., disinfectants, Grand Rapids, Mich.
Durfee Mills, cotton sheetings, Pleasant st., Fall River, Mass.
Durfee, Winthrop C., chromium, 516 Atlantic av., Boston, Mass.
Durgin & Son, cornices, Minneapolis, Minn.
Durgin Co., Wm. B., Concord, N. H.
Durham Buggy Co., Durham, N. C.
Durham Coal & Iron Co., Soddy St., Chattanooga, Tenn.
Durham Co., P. J. (Lighting Devices), 244 W. 49th St., New York.
Durham Cotton Mfg. Co., East Durham, N. C.
Durham Duplex Razor Co., safety razors, Jersey City, N. J.
Durham Fdry. & Mach. Wks. See Kerr, J. T. (successor).
Durham Iron Works Co., Durham, N. C.
Durham, J. C., Co., sash, door & blind mfrs., Belfast, Me.
Durham Mfg. Co., fireless cookers, Muncie, Ind.
Durham Mill Co., flour, Durham, Calif.
Durham, W. W., architect, Leavenworth, Wash.
Durick, Keenan & Co., Fair Haven, Vt.
Duriron Castings Co., acid proof castings, Dayton, Ohio.
Duriron Co., Inc., N. Findlay St., Dayton, O.
Duristo Paint Co., see Gateways, Inc. (successor).
Durkee & Co., Inc., Chas. D., 2 South St., New York.
Durkee-Atwood Co., 711 N 3rd St., Minneapolis, Minn.
Durkee Counter Co., Haverhill, Mass.
Durkee, E. L., & Co., whol. hdwe., Gloversville, N. Y.
Durkee, F. M., & Son, masons' & bldrs.' matls., Lake Geneva, Wis.
Durkin, Reeves & Co., duplicators, Schmidt Bldg., Pittsburgh, Pa.
Durlacque Mfg. Co., lacquer mfrs., etc., 1311 Chestnut, St. Louis, Mo.
Durland Counter Co, Lynn, Mass.
Durland, L. H., Son & Co., masons' & bldrs.' matls., Watkins, N. Y.
Durner, A. E., Evansville, Wis.
Duro Brick Mfg., Akron, O.
Duro Co., The, 48-50 Pearl St., Boston, Mass.
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago.
Duro Pump & Mfg. Co., Monroe & Webster Sts., Dayton, O.
Durr, C. A., Packing Co., meat packers, Utica, N. Y.
Durr, Sebastian, contr., Mount Vernon, N. Y.
Durrett & Spain, flour mills, Cross Plains, Tenn.
Durrett, J. W., see Durrett & Spain (successors).
Durst Milling Co., flour, Dayton, Ohio.
Durst Mfg. Co., plumbers' supps., 105 Chambers, New York.
Durston Gear Corp., Inc., 213 Maltbie St., Syracuse, N. Y.
Durvee, Peter, & Co., whol: hdwe., 66 Vesey, New York.
Duryea, C. E., Co., priming cups, Saginaw, Mich.
Duryea Mfg. Co., Ave. B, Bayonne, N. J.
Duryea Printing Co., Inc., 35 W. Third St., New York.
Duschak Boiler & Tank Co., 1405 Water St., Long Beach, Calif.
Dusenberry, Inc., H. C., 95 Gold St., New York.
Dush, Louis, cornices & skylights, Memphis, Tenn.
Dushant, I. M., & Sons, contrs., Carnegie, Pa.
Dusing & Hunt, hdwe., mfrs., fire extinguishers, 386 Michigan av., Buffalo, N. Y.
Dussault Fdry. Wks., Lockport, N. Y.
Dussel Iron Works, Alex., Erato & S. Peters Sts., New Orleans, La.
Dust Recovering & Conveying Co., 2130 St. Clair Ave., Cleveland, O.
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Dutchess County Lime Co., mfrs., Dover Plains, N. Y.
Dutchess Fdry. Co., Poughkeepsie, N. Y.
Dutchess Mfg. Co., overalls, Poughkeepsie, N. Y.
Dutchess Tool Co., bakers' machy., Beacon, N. Y.
Duthie & Co., J. F., 11th S. W. & W. Spokane St., Seattle, Wash.
Dutt Feed & Supply Co., masons' & bldrs.' matls., Wadsworth, Ohio.
Dutton & Calhoun, lbr., 145 State, Springfield, Mass.
Dutton & Jones Fdry. & Mach. Wks., Vicksburg, Miss.
Dutton & Sons Co., W. M., Hastings, Neb.
Dutton Co., C. H., Kalamazoo, Mich.
Dutton Dredge Co., contrs., Mills bldg., San Francisco, Calif.
Dutton, E. Q., & Co., agricultural implements, Cato, N. Y.
Dutton, Jas. E., 42 E. 23rd, New York.
Dutton Lumber Co., H. P., Porter Bldg., Portland, Ore.
Dutton Lumber Corp., A. C., 145 State St., Springfield, Mass.
Dutton, Willis H., machsts., Morristown, N. J.

DUTWILER MFG. CO., asphalt & tar kettles, etc., 2437 E. 23rd St., Los Angeles, Calif.

Duval & Co., W. H., 225 Fourth Ave., New York.
Duval, Geo. W., & Co., machsts. & fndrs., Norfolk, Va.
Duval Iron Works, Jacksonville, Fla.
Duval Lumber Co., Pensacola, Fla.
Duvall & Co., Inc., Geo. W., Norfolk, Va.
Duvall Co., lumber, Kewaunee, Wis.
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Dux, Joseph, 2112 W. Van Buren St., Chicago.
Dvorsky Co., buttons, 411 E. 91st, New York.
Dwan & Co., vault & sidewalk lights, H Monadnock Bldg., San Francisco, Calif.
Dwelle-Kaiser Co., glass stainers, 251 Elm, Buffalo, New York.
Dwiggens Wire Fence Co., 13th and John Sts., Anderson, Ind.
Dwight & Lloyd Sintering Co., 29 Broadway, New York.
Dwight & Son, Divine, Ellenville, N. Y.
Dwight Building Co., contrs., 69 Church, New Haven, Conn.
Dwight, H. A., masons' & bldrs.' matls., Albany, N. Y.
Dwight Lumber Co., maple flooring, River Rouge, Detroit, Mich.
Dwight Mfg. Co., cotton sheetings, Exch. Bldg., Boston, Mass.
Dwight Mfg. Co., indicators, 565 W. Washington blvd., Chicago, Ill.
Dwinell Hdwe. Co., mill & facty. supps., Montpelier, Vt.
Dwinnell & Laughlin, contrs., Waukesha, Wis.
Dwyer, Cornelius, cornices & skylights, Amsterdam, N. Y.
Dwyer, J. Frank, masons' & bldrs.' matls., Geneva, N. Y.
Dwyer, Jas. P., Co., htg. contrs., 183 Harrison av., Boston, Mass.
Dwyer, M. J., stone producers, Newburgh, N. Y.
Dwyer Machine Co., Lynn, Mass.
Dyar Supply Co., 66 Broadway, Cambridge, Mass.
Dycker & Ritter, 449 W. 28th St., New York.
Dye Bros., stone renovators, 100½ W. 54th, New York.
Dye Lumber Co., Hamlet, Ind.
Dye, Milton, masons' & bldrs.' matls., Cumberland, Ohio.
Dye Products & Chemical Co., colors, 200 5th av., New York.
Dyer, B. H., & Co., masons' & bldrs. matls., Provincetown, Mass.
Dyer Bros. Iron Works, 17th & Kansas, San Francisco, Calif.
Dyer, Chas. N., shoe goring, cotton webbing, Haverhill, Mass.
Dyer Co., piston rings, auto bushings, welding apparatus, etc., 155 Brookline av., Cambridge, Mass.
Dyer Co., The, 2031 Euclid Ave., Cleveland, O.
Dyer, F. G., brass castings, 770 Folsom, San Francisco, Calif.
Dyer, John N., & Son, granite prod., Long Island City, N. Y.
Dyer Mfg. Co., cultivator teeth, Bell, Calif.
Dyer Packing Co., Vincennes, Ind.
Dyer Quarry Co., Jno. T., Norristown, Pa.
Dyer Saddlery Co., 419 3rd, Milwaukee, Wis.
Dyer, W. J., & Bro., pianos, N. St. Paul, Minn.
Dyer, William H., sashes, doors & blinds, 1861 Mintwd. N. W., Washington, D. C.
Dyersburg Hoop Co., Dyersburg, Tenn.
Dyesen & Hickox Co., bench drilling machy., 2062 Santa Fe av., Los Angeles, Calif.
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Dyke Bros., lumber mfrs., Fort Smith, Ark.
Dyke Motor Supply Co., The, 602 Grant Bldg., Pittsburgh, Pa.
Dykema Co., rubber bands, 1023 Liberty av., Pittsburgh, Pa.
Dykes Lbr. Co., 137H, W. 24th, New York.
Dymond, E. P., cornices, Plymouth, Pa.
Dynes-Pohlman Lbr. Co., Monon R.R., Indianapolis, Ind.
Dyneto Electric Corp., see Owen-Dyneto Corp. (successor).
Dysard Const. Co., Austell bldg., Atlanta, Ga.
Dysart Brick & Tile Co., Dysart, Ia.
Dyson & Sons, Jos., 5125 St. Clair St., Cleveland, O.
Dyson Brick Co., Dyson, S. C.
Dyson Paper Board Co., 1506H N. Warnock, Philadelphia, Pa.
E. A. Laboratories, Inc., 696 Myrtle Ave., Brooklyn, N. Y.
E.-J. Electric Installation Co., engnrs., 155 E. 44th st., New York.
E. M. & W. Engineering Co., 202 N. 2nd St., St Louis, Mo.
E. V. B. Mfg. Co., automobile door locks & hinges & body fittings, New Haven, Conn.
E-Z Mfg. Co., animal traps, Galesburg, Ill.
E-Z Opener Bag Co., Decatur Ill., & Fulton, N. Y.
E. & C. Fireplace Furnace Corp., 7205 Santa Monica blvd., Los Angeles, Calif.
E. & M. Instrument Co., 595 E. 27th, Portland, Ore.
Eacrett Mill Co., lumber, Port Angeles, Wash.
Eadie Bldg. Supply Co., masons' & bldrs.' mtls., 316 Scarrit Bldg., Kansas City, Mo.
Eadie Bldg. Supply Co., Commerce Bldg., Kansas City, Mo.
Eadie, Freund & Campbell, consulting engnrs., 7 W. 45th, New York.
Eady, Geo. M., Co., contractors, Louisville, Ky.
Eagan & Beahm, Inc., Stephen Girard Bldg., Philadelphia, Pa.
Eagan-Rogers Steel & Iron Co., Crum Lynne, Pa.
Eagan, Seth S., machst., Lebanon, Ind.
Eagen, Jas. A., machsts., Wyoming, Pa.
Eager Electric Co., Watertown, N. Y.
Eagle & Phenix Mills, Columbus, Ga.
Eagle Badge & Button Co., 217 Grand, New York.
Eagle Beer Pump Co., 17 Chambers, New York.
Eagle Belting Co., 564 W. Randolph St., Chicago.
Eagle Bolt & Forging Co., 1435 E. 45th, Cleveland, Ohio.
Eagle Brass Foundry Co., Inc., 21 Spokane St., Seattle, Wash.
Eagle Building & Constr. Co., 405 E. 117th, New York.
Eagle Button Wks., 55 Chrystie, New York.
Eagle Carriage Co., 1630 Gest, Cincinnati, Ohio.
Eagle Cornice and Roofing Co., 3461 W. Fort St., Detroit, Mich.
Eagle Cornice & Skylight Wks., Cambridge, Mass.
Eagle Cornice Co., 312 Blackstone, Providence, R. I.
Eagle Cornice Wks., 2726 Sheffield av., Chicago, Ill.
Eagle Corrugated & Fibre Products Corp., 473 President St., New York.
Eagle Cotton Mills Co., Madison, Ind.
Eagle Cotton Oil Co., Meridian, Miss.
Eagle Counter & Leather Co., The, Hulbert & Freeman Sts., Cincinnati, O.
Eagle Emery & Corundum Wheel Co., 715 S. Robey St., Chicago.
Eagle Engineering Co., Springfield, O.
Eagle Envelope Co., 1322 S. Wabash Ave., Chicago.
Eagle Flouring Mill Co., Sweetwater, Tenn.
Eagle Foundry Co., gray iron castings, Muncie, Ind.
Eagle Foundry Co., Belleville, Ill.
Eagle Fdry. & Mach. Co., Jamestown, N. Y.
Eagle Gray Granite Co., Fryeburg, Me.
Eagle Hardware Co., 1162 Fulton, Brooklyn, N. Y.
Eagle Iron & Brass Fdry., Passaic, N. J.
Eagle Iron Co., Curtin, Pa.
Eagle Iron Fdry., Inc., 17 Canal St., Salem, Mass.
Eagle Iron Wks., Lykens, Pa.
Eagle Iron Wks., fndrs., Muskegon, Mich.
Eagle Iron Wks., Norfolk, Va.
Eagle Iron Wks., 403 E. 117th, New York.
Eagle Iron Wks. Co., 9 av. S. & 5th, Minneapolis, Minn.
Eagle Iron Works, 850 De Kalb Ave., Brooklyn, N. Y.
Eagle Iron Works, Des Moines, Ia.
Eagle Iron Works, 1st & Walnut Sts., Terre Haute, Ind.
Eagle, J. W. P., machsts. & fndrs., Ronceverte, W. Va.
Eagle Knife & Bar Works, Lawrence, Mass.
Eagle Knitting Mills, gloves, etc., 184 E. Water, Milwaukee, Wis.
Eagle Lithographing Co., label mfrs., 1672 Providence, Cincinnati, Ohio.
Eagle Lock Co., Terryville, Conn.
Eagle Lubricating Oil Co., 38 Pearl, New York.
Eagle Lubricating Oil Co., 226 1st av., Pittsburgh, Pa.
Eagle Lumber Co., Eagle Mills, Ark.
Eagle Lye Works, 34-36 Erie St., Milwaukee, Wis.
Eagle Machine Co., Lancaster, O.
Eagle Mach. Wks., Richmond, Ind.
Eagle Machy. Co., dlrs., 154 Centre, New York.
Eagle-Macomber Motor Car Co., Sandusky, Ohio.
Eagle Mfg. Co., Appleton, Wis.
Eagle Manufacturing Co., 24th & Charles Sts., Wellsburg, W. Va.
Eagle Mfg. Co., overalls, Bristol, Tenn.
Eagle Milling Co., flour mills, Bentonville, Ark., & Tucson, Ariz.
Eagle Mills, flour, Pocomoke City, Md.
Eagle Mills, plushes, Woonsocket, R. I.
Eagle Oil & Supply Co., 45 India St., Boston Mass.
Eagle-Ottawa Leather Co., 228 W. Lake St., Chicago.
Eagle Paint & Varnish Co. 225 Galveston St., Pittsburgh, Pa.
Eagle Paving Co., contractors, Rosenbloom bldg., Syracuse, N. Y.
Eagle Pencil Co., 703 E. 13th St., New York.
Eagle-Picher Lead Co., The, 208 S. La Salle St., Chicago.
Eagle Pipe Supply Co., 233 Broadway, New York.
Eagle Point Lime Wks., Dubuque, Ia.
Eagle Printing Ink Co., 83 Grand, New York.
Eagle Regalia Co., badges & buttons, 115 Nassau, New York.
Eagle Rock Mfg. Co., sashes, doors & blinds, Eagle Rock, N. C.
Eagle Rock Tool & Mfg. Co., West Orange, N. J.
Eagle Roller Mill Co., flour, New Ulm, Minn.
Eagle Roller Mills, flour, Greenville, S. C.
Eagle Roller Mills, flour, Lawrenceburg, Ky.
Eagle Roofing & Art Metal Works, cornices, Tampa, Fla.
Eagle Rubber Co., balloons, Ashland, Ohio.
Eagle Safety Razor Co., 66 W. Broadway, New York.
Eagle Saw Works, Ft. & Main St., Chattanooga, Tenn.
Eagle Smelting & Refining Works, Woolworth Bldg., New York.
Eagle Spec. Mfg. Co., sink brackets, mop sticks, etc., Jamestown, N. Y.
Eagle Square Mfg. Co., steel & iron bedsteads, machsts. & fndrs., etc., South Shaftsbury, Vt.
Eagle Stamping Co., Buffalo, N. Y., now Great Lakes Pressed Steel Corp.
Eagle Talking Mach. Co., 75 Fulton, New York.

EAGLE TANK CO., 2443 N. Crawford Ave., Chicago.
Pres.—W. O. Olsen.

Eagle Tannery, leather, 26th & San Bruno, San Francisco, Calif.
Eagle Tool Works, Foot E. 46th St., Bayonne, N. J.
Eagle Valley Canning Co., New Bridge, Ore.
Eagle Wagon Wks., Auburn, N. Y. and Cortland, N. Y.
Eagle Woodenware Mfg. Co., Hamilton, O.
Eaglefield & Shepard, lbr. mfrs., 30th & Monon Ry., Indianapolis, Ind.
Eaglesfield Hardwood Flooring Co., 920 Dorman St., Indianapolis, Ind.
Eagleton Bros., shoe counters, Lynn, Mass.
Eagley-Morrison Co., clothes dryers, towel racks, North Girard, Pa.
Ealton-Carlson Co., Ltd., St. Catherines, Ont., Can.
Eakins, J. S. & W. R., paint, 12 Wallabout, Brooklyn, N. Y.
Eakland, C. O., & Son, contrs. & bldrs., Wilton, Conn.
Eames, Alfred M., & Co., carriage wheels, Framingham, Mass.
Eames, C. S., & Co., cornices, 246 Middle, Bridgeport, Conn.
Eames Co., store trucks, caster wheels, etc., 920 Howard, San Francisco, Calif.
Eareckson & Co., C. F., 304 E. Pratt, Baltimore, Md.
Eareckson, Wm. M., masons' & bldrs.' matls., 814 N. Stricker, Baltimore, Md.
Earhart, J. T., Brick Co., Louisville, Miss.
Earl & Co., W. D., Leominster, Mass.
Earl Auto. Wks., springs, windshields auto, Los Angeles, Calif.
Earl Cooperage Co., Earl, Ark.
Earl, Jno., sash, door & blind mfrs., Champlain, N. Y.
Earl, M. J., pads & tablets, Reading, Pa.
Earl Motors, Inc., Jackson, Mich.
Earle & Co., colors, dyes, etc., 59 4th av., New York.
Earle Bros., crude rubber, 66 Broad, New York.
Earle Brush Co., Columbia, Pa.
Earle, E. P., ores, minerals, metals, etc., 165 Broadway, New York.

Earle Gear & Machine Co., 4707 Stenton, Philadelphia, Pa.
Earle, H. S., Mfg. Co., hooks, Ford bldg., Detroit, Mich.
Earle Hardware Mfg. Co., door knobs, pulls, etc., 2369 E. 51st, Los Angeles, Calif.
Earle, J. M., Lbr. Co., boxes & crates, 1159 Wabash, Detroit, Mich.
Earley, John H., brick, Nicetown, La., and Philadelphia, Pa.
Earley, W. J., Sons Foundry Co., castings, 812 Sarah, S. S., Pittsburgh, Pa.
Earley, Wm., combination & steam heaters, 1216 Ridge av., Philadelphia, Pa.
Earlham College, engng. schools & coll., Richmond, Ind.
Earlham Land Co., stone producers, Des Moines, Ia.
Earling, Johnson & Frake Co., contrs., Red Bank, N. J.
Earlington Machine Works, Earlington, Ky.
Earll, C. I., York, Pa.
Early & Sons, Ltd., W. J., 812 Sarah St., Pittsburgh, Pa.
Early Foundry Co., The, Dickson City, Pa.
Early Gas Engine Co., Williamsport, Pa.
Early, W. C., canned goods, Munford, Va.
Earnest Bros., masons' materials, 805 E. Franklin, Richmond, Va.
Earometer Company, Not Inc., 108 N. State St., Chicago.
Easiest Way Mfg. Co., The, Sandusky, Ohio.
Easley Cotton Mills., cotton sheetings, Easley, S. C.
Easley Oil Mill Co., meal, Easley, S. C.
East Akron Machine Co., 1731 Engelwood, Akron, O.
East Arkansas Lumber Co., Little Rock, Ark.
East Arkansas Lumber Co., Paragould, Ark.
East Bangor Consolidated Slate Co., East Bangor, Pa.
East Bangor Mfg. Co., East Bangor, Pa.
East Bay Iron Wks., 1733 17th, Oakland, Calif.
East Brooklyn Box Co., East Brooklyn, Md.
East Carolina Lbr. Co., Newbern, N. C.
East Coast Hardware Co., hdwe. & bldrs.' supps., West Palm Beach, Fla.
East Coast Lumber & Supply Co., Eau Galle, Fla.
East Coast Lumber Co., Watertown, Fla.
East Hamilton Lumber & Coal Co., masons' & bldrs.' matls., East Hampton, N. Y.
East Hamilton Tool Co., Hamilton, Ohio.
East Hampton Bell Co., The, East Hampton, Conn.
East Hartford Mfg. Co., Burnside, Conn.
East Hoquiam Shingle Co., lumber, Hoquiam, Wash.
East Iron & Machine Co., Lima, O.
East Jersey Pipe Corp., 50 Church St., New York.
East Jersey Pipe Corp., boilers, cylinders, tanks, etc., Paterson, N. J.
East Jordan Furnace Co., East Jordan, Mich.
East Jordan Lumber Co., East Jordan, Mich.
East Liverpool Brick Mfg. Co., East Liverpool, Ohio.
East Liverpool Potteries Co., East Liverpool, Ohio.
East Ohio Sewer Pipe Co., Irondale, O.
East Oregon Lbr. Co., Enterprise, Ore.
East Palestine Rubber Co., East Palestine, O.
East Pembroke Canning Co., East Pembroke, N. Y.
East Pico Sheet Metal Mfg. Co., switch boxes, furnace jackets, etc., 715 E. Pico, Los Angeles, Calif.
East Point Lumber Co., East Point, Ga.
East River Planing Mill Co., sash door & blind mfrs., Green Bay, Wis.
East Rochester Iron Wks., East Rochester, N. Y.
East St. Cloud Granite Co., St. Cloud, Minn.
East St. Louis Bridge Co. (now St. Louis Structural Steel Co., St. Louis, Mo.), East St. Louis, Ill.
East St. Louis Cotton Oil Co., East St. Louis, Ill.
East St. Louis Lbr. Co., 2022 State, East St. Louis, Ill.
East St. Louis Stone Co., East St. Louis, Ill.
East Shore Mach. Products Co., machsts., E. 140th & Aspinwell av., Cleveland, Ohio.
East Side Boiler Works, Portland, Ore.
East Side Canning Co., Los Angeles, Cal.
East Side Iron Works, Inc., 16 Dubois St., Detroit, Mich.
East Side Mfg. Co., 1367 E. 12th, Oakland, Calif.
East Side Mill & Lumber Co., Foot of Spokane Ave., Portland, Ore.
East Side Packing Co., East St. Louis, Ill.
East Stroudsburg Lumber Co., East Stroudsburg, Pa.
East Tacoma Mfg. Co., Tacoma, Wash.
East Tennessee Packing Co., meat packers, 19 W. Market sq., Knoxville, Tenn.
East Tennessee Woodworking Co., Morristown, Tenn.
East Texas Fertz. Co., Tyler, Tex.
East Trenton Mach. Wks., Trenton, N. J.
East Windsor Hill Brick Wks., East Windsor Hill, Conn.
Eastburn, Chas. T., stone producers, Yardley, Pa.
Easterbrook, Wm., Jr., & Bro., cornices, steel hames, 311 Cherry, Philadelphia, Pa.
Easterday Supply Co., 936 Howard, San Francisco, Calif.
Eastern & Western Lumber Co., Foot of 21st St., N., Portland, Ore.
Eastern Advtg. Co., advtg. spec., 8 W. 40th, New York.
Eastern Asbestos Co., 72 S. Water St., Providence, R. I.
Eastern Bedstead Co., Hoboken, N. J.
Eastern Bolt & Nut Co., E. Providence St., Providence, R. I.

EASTERN BRIDGE & STRUCTURAL CO., 88 Crescent St., Worcester, Mass.

Eastern Burlap Bag Co., 120 Morgan, Hartford, Conn.
Eastern Casket Co., 727 N. Central, Baltimore, Md.
Eastern Cement Co., masons' & bldrs.' matls., Bangor, Me.
Eastern Chemical Co., feltilizer mfrs., 15 Boston, Boston, Mass.
Eastern Clay Goods Co., 80 Federal St., Boston, Mass.
Eastern Coal & Export Corp., mill & facty. supps., Richmond, Va.
Eastern Concrete Steel Co., D. S. Morgan Bldg., Buffalo, N. Y.
Eastern Constr. Co., 110 W. 40th, New York.
Eastern Constr. Co., Woonsocket, R. I.
Eastern Cornices & Roofing Co., 188 Madison av., New York.
Eastern Cotton Oil Co., Hertford, N. C.
Eastern Cutler Salvage Corp., 13 Kirk Pl., Newark, N. J.
Eastern Expanded Metal Co., concrete binder, 65 Franklin, Boston, Mass.
Eastern Felt Co., Winchester, Mass.
Eastern Hardware & Supply Co., mill & facty. supps., 39 S. Charles, Baltimore, Md.
Eastern Hdwe. Supply & Equipment Co., mill supplies, Lombard & Charles, Baltimore, Md.
Eastern Lubricants Co., 20th & Minnesota, San Francisco, Calif.
Eastern Lumber Co., Tonawanda, N. Y.
Eastern Machine Screw Corp., Truman & Carclay Sts., New Haven, Conn.
Eastern Machy. Co., New Haven, Conn.
Eastern Machinery & Equipment Co., Commercial Trust Bldg., Philadelphia, Pa.
Eastern Malleable Iron Co., Inc., The, Naugatuck, Conn.
Eastern Mfg. Co., 501 Fifth Ave., New York.
Eastern Marble & Granite Works, stone producers, 2906 Ridge, Philadelphia, Pa.
Eastern Metal & Refining Co., Babbitt metal, 121 Beverly, Boston, Mass.
Eastern Metal Spinning Co., 469 Greenwich St., New York.
Eastern Nail Co., cement coated wire, shoe & special wire nails, mfrs., Providence, R. I.
Eastern Ohio Glass Co., window glass mfrs., Barnesville, Ohio.
Eastern Oil Tank Co., Lowell, Mass.
Eastern Papermakers Chemical Co., size, Watertown, N. Y.
Eastern Pennsylvania Supply Co., Wilkes-Barre, Pa.
Eastern Pin Ticket & Tag Co., Perkasie, Pa.
Eastern Plumbing Supply Co., 80 Market, Hartford, Conn.
Eastern Potash Corp., 342 Madison Ave., New York.
Eastern Precision Electrical Instrument Co., radio apparatus, Rockville Centre, N. Y.
Eastern Production Co., 511 Lieb St., Detroit, Mich.
Eastern Radio Laboratories, receiving condensers & V. T. control panels, Fort Lee, N. Y.
Eastern R'way & Lumber Co., wood cross arms, Centralia, Wash.
Eastern Range Boiler & Welding Co., expansion tanks, Conshohocken, Pa.
Eastern Rolling Mills Co., Sewer Rd., Baltimore, Md.
Eastern Rubber Co., tire vulcanizers, 2821 Brown, Philadelphia, Pa.
Eastern Salt Co., 186 State, Boston, Mass.
Eastern Shore Can Co., Hurlock, Md.
Eastern Signal & Supply Co. (see Railroad Accessories Corp. successors).
Eastern Specialty Co., 3310 Germantown, Philadelphia, Pa.
Eastern Spec. Mfg. Co., bathroom fixtures, rubber tank bulbs & furnishings, Scranton, Pa.
Eastern States Package Co., Inc., Buffalo, N. Y.
Eastern States Service Corp., 40 Hudson St., New York.
Eastern Steel Casting Co., 30 Kemble St., Boston, Mass.
Eastern Steel Co., Pottsville, Pa.
Eastern Supply Co., masons' & bldrs.' matls., Philadelphia rd. & 8th, Baltimore, Md.
Eastern Tablet Co., writing pads, Albany, N. Y.
Eastern Tanner's Glue Co., Gowanda, N. Y.
Eastern Tool & Mfg. Co., Bloomfield Ave., Bloomfield, N. J.

EASTERN TUBE & TOOL CO., Inc., 594 Johnson Ave., Brooklyn, N. Y.

Eastham Soil Pipe & Foundry Co., Annistow, Ala.
Easthampton Fdry. Co., Easthampton, Mass.
Easthampton Rubber Thread Co., Easthampton, Mass.
Eastlake Mfg. Co., auto. binding, silk fringes, Adams av. & Leiper, Philadelphia, Pa.

EASTMAN & CO., 53 W. Jackson Blvd., Chicago.

Eastman Co., canned goods, Fryeburg, Me.
Eastman Co., Samuel, Concord, N. H.
Eastman Cotton Mills, Eastman, Ga.
Eastman, Gardiner & Co., Laurel, Miss.
Eastman, Geo. L., Co., masons' mtls., 1111 Highland av., Los Angeles, & Santa Monica, Calif.
Eastman, H. T., & Co., bldg. contrs. & archl. iron, East Cambridge, Mass.
Eastman, Howard, Co., shipping tags, 568 Howard, San Francisco, Calif.
Eastman, J. B., welding, 831 Crocker, Los Angeles, Calif.
Eastman, J. N., & Co., canned goods, Casco, Me.
Eastman Kodak Co., Rochester, N. Y.
Eastman Lumber Co., Platteville, Wis.
Eastman Machine Co., Washington & Goodell Sts., Buffalo, N. Y.
Eastman Mfg. Co., 1002 N. 11th St., Manitowoc, Wis
Eastman Mfg. Co., dolls' furniture, Union City, Pa.
Eastman Oil Mills, meal—cottonseed, Jonestown, Miss.
Eastman Plastic Relief Co., 23d & Dickson, St. Louis, Mo.
Eastman, S. L., Flooring Co., Saginaw, Mich.
Eastman Service, South Bend, Ind.
Eastmond & Co., crude rubber, cocoa mats, 212 5th av., New York.
Easton & Burnham Machine Co., Pine St., Pawtucket, R. I.
Easton Brass & Mach. Wks., Easton, Pa.
Easton, C. F., & R. B., contrs., Aberdeen, S. D.
Easton Car & Construction Co., Easton, Pa.

EASTON COIL CO., Centre & Mauch Chunk sts., Easton, Pa.

Easton Cypress Co., Albany, N. Y.
Easton, G. N., Can Co., 235 Front, San Francisco, Calif.
Easton Lime Co., Easton, Pa.
Easton Machinery Co., Easton, Pa.
Easton Packing Co., Easton, Md.
Easton Polishing Supply Co., plating supps., Easton, Pa.
Easton Printing & Mfg. Co., signs, cardboard, Dayton, Ohio.
Easton, Vance, & Co., contractors, Aberdeen, S. D.
Eastwood, Benj., Co., broad looms, & machsts. & fndrs., Paterson, N. J.
Eastwood Chemical Co., Joralemon St., Belleville, N. J.
Eastwood Wire Mfg. Co., Joralemon St., Belleville St., Belleville, N. J.
Easum Bros., brick, Colfax, Wash.
Easy Washing Machine Co., Ltd., Toronto, Ont., Can.
Eaton & Glover Co., machsts., Sayre, Pa.
Eaton & Smith, contractors, 715 Ocean, San Francisco, Calif.
Eaton & Wilson, mill & facty. supplies, New London, Conn.
Eaton Axle & Spring Co., The, 65th & Central Ave., Cleveland, O.
Eaton Builders' Supply Co., Niles, Ohio.
Eaton-Chase Co., mill & facty. supplies & whol. hdwe., Norwich, Conn.
Eaton Clark Co., 204 Woodward av., Detroit, Mich.
Eaton, Crane & Pike Co., Pittsfield, Mass.
Eaton-Dikeman Co., Lee, Mass.
Eaton, H. F., & Sons, lbr. mfrs., Calais, Me.
Eaton Hardware Co., Brunswick, Me.
Eaton, Harry H., machinist, Jennings, La.
Eaton, Hy. A., & Son, bobbins, Littleton, N. H.
Eaton, J. C., & Co., brooms, cornices & skylights, Lydonville, Vt.
Eaton, Jas. B., lbr., Bluffton, Ind.
Eaton, John A., machy., dirs., 566 Wilmot, Bridgeport, Conn.
Eaton Machine Co., 37 Scioto, Columbus, O.
Eaton, Rhodes & Co., pig iron & coke dirs., 1st Nat. Bank bldg., Cincinnati, Ohio.
Eaton, Schlaich & Woll, hair, bristles, 150 Water, New York.
Eaton, W. J., lbr. mfrs., Albany, N. Y.
Eaton, W. R., Lumber Co., Lockwood, Mo.
Eatonton Oil & Fertilizer Co., Eatonton, Ga.
Eatonville Lumber Co., Eatonville, Wash.
Eau Claire Bedding Co., Eau Claire, Wis.
Eau Claire Book & Stationery Co., Eau Claire, Wis.
Eau Claire Mfg. Co., marine gas & gasoline engines, Eau Claire, Wis.
Eau Claire Sand & Gravel Co., Eau Claire, Wis.
Eau Claire Trunk Co., Eau Claire, Wis.
Eavensons Sons, Inc., J., Delaware Ave. and Penn St., Camden, N. J.
Eavey Packing Co., canned goods, Xenia, Ohio.
Ebenreiter Lbr. Co., masons' & bldrs.' matls., Sheboygan, Wis.
Eberbach & Son Co., refractometers, Ann Arbor, Mich.
Eberhard & Splater, cooperage stock, Troy, Ind.
Eberhard, Geo., metal spinning, 9 Calander, Providence, R. I.
Eberhard Mfg. Co., saddlery, hdwe. mfrs., C. & P. Ry. & Tennyson rd., Cleveland, Ohio.
Eberhard Tanning Co., Santa Clara, Cal.
Eberhardt & Co., Darwin St. & Belt R. R., Indianapolis, Ind.
Eberhardt & Son Co., M. (Mill Supp.), 401 E. 76th St., New York.
Eberhardt Lumber Co., Salina, Kan.
Eberhardt Mach. Wks., mill & facty. supps., Fort Valley, Ga.
Eberhart, J. P., & Co., oil & wax, 27 William, New York.
Eberhart, J. P., & Co., oils & wax, 15 William, New York.
Eberhart, M., & Son, mill & facty. supp., 401 E. 76th, New York.
Eberle Cornice Co., 4014 Laclede av., St. Louis, Mo.
Eberlee, T. J., cornices, Cattaraugus, N. Y.
Eberlin, Christ, & Son, cornices & skylights, Hermann, Mo.
Eberly & Orris Mfg. Co., wagon & carriage materials, Mechanicsburg, Pa.
Eberson-Lindsley Paint Co., 19th & Morgan Sts., St. Louis, Mo.
Eberwein & Zahrindt, 77 St. Paul St., Rochester, N. Y.
Ebert Furn. Co., Dept. H, Red Lion, Pa.
Eberts Bros. Co., masons' & bldrs. matls., Wyandotte, Mich.
Ebinger Sanitary Mfg. Co., D. A., Columbus, O.
Eble, Chas., cornices, 1907 Vine, Cincinnati, Ohio.
Ebling, John D., stone, Myerstown, Pa.
Ebsary Gypsum Co., Scottsville, N. Y.
Ebstein Bros., twist drills, 11 Cliff, New York.
Eby, Amos, & Co., fertilizer mfrs., Leaman pl., Pa.
Eby Machinery Co., The, 35 Main, San Francisco, Calif.

EBY MFG. CO., THE H. H., 40 S. 7th Street, Philadelphia, Pa.

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Prop.—Hugh H. Eby.
ALA.—Birmingham—Interstate Electric Co.
Matthews Electric Sup. Co.
Western Electric Co.
Mobile—H. M. Price Hardware Co.
ARIZ.—Phoenix—Nielson Radio Supply Co.
ARK.—Little Rock—Arkansas Electric Co.
CALIF.—Emeryville—Western Electric Co.
Los Angeles—The Braun Corporation.
Cook-Nichols Co.
Electric Corporation.
Electric Supply Co.
Klerulff & Ravenscroft.
Leo. J. Meyberg Co.
Myers Electric Supply Co.
Pacific States Elec. Co.
Union Hdwe. & Metal Co.
Western Electric Co.
Wholesale Radio Elec. Co.
Winchester-Simmons Co. of Los Angeles.
Oakland—The Braun Corporation.
Fobes Supply Co.
Pacific States Elec. Co.
Western Electric Co.
San Diego—Coast Electric Co.
San Francisco—Alexander & Lavenson Elec. Sup. Co., 926 Howard, Garfield 3940.
Atlantic Pacific Agencies Corp.
Electric Appliance Co., 807 Mission, Sutter 4900.
Fobes Supply Co., 210 5th St., Garfield 4120.
Leo. J. Meyberg Co., 973 Mission, Douglas 6935.
Pacific States Elec. Co., 575 Mission, Sutter 7301.
Frederick H. Thompson Co., 210 Drumm, Sutter 4472.
Western Electric Co., 680 Folsom, Sutter 6546.
Winchester-Simmons Co. of San Francisco.
COLO.—Denver—Hendrie & Bolthoff Mfg. & Sup. Co.
Reynolds Radio Co. Inc.
Rocky Mountain Radio Corp.
Western Electric Co.
CONN.—Hartford—Stern & Company.
New Haven—Plymouth Electric Co.
Simmons Hardware Co.
Western Elec. Co.
DEL.—Wilmington—Garrett Miller & Co.
Wilmington Elec. Spec. Co.
D. C.—Washington—Wm. P. Boyer Co.
Doubleday Hill Elec. Co.
National Elec. Supply So.
Porter Chemical Co.
FLA.—Jacksonville—Pierce Elec. Corp.
Western Electric Co.
Tampa-Pierce Electric Co.
GA.—Atlanta—Carter Electric Co.
Gilham-Schoen Electric Co.
Western Elec. Co.
Winchester-Simmons Co. of Atlanta
Savannah—Carter Electric Co.
Radio Electric Co.
Western Elec. Co.
ILL.—Chicago—Beckley-Ralston Co., 1801 S. Michigan Ave., Calumet 7140.
Central Electric Co., 320 S. Wells St., Wabash 2160.
Chicago Radio Apparatus Co., 415 S. Dearborn St., Harrison 2276.
Commonwealth Edison Co., 72 W. Adams St., Randolph 1280.
Electric Appliance Co., 701 W. Adams St., Monroe 5020.
Electric & Radio Supply Co., 165 N. Wells St., State 1200.
Freeman-Sweet Co., 9 W. Illinois, Central 8030.
Lynn Radio Co., 220 S. State St., Harrison 7293.
Manhattan Elec. Supply Co., 112 S. Wells St., Franklin 2081.
Monarch Elec. & Wire Co., 622 W. Adams St., Monroe 4949.
National Radio Co., 6 N. Wells St., Dearborn 3855.
Newark Electric Co., 230 W. Madison St., Main 4627.
O. P. Smith Co., 205 W. Harrison St., Wabash 6381.
Western Electric Co., 500 S. Clinton St., Wabash 3000.
(Continued on following page)

EBY MFG. CO.—Continued.
Winchester-Simmons Co. of Chicago, 1965 W. Pershing, Lafayette 7770.
Eureka—Klaus Radio & Elec. Co.
Genoa—Leich Electric Co.
Peoria—Diamond Elec. Supply Co.
Rockford—Sword Electric Co.
Rock Island—Beardsley Specialty Co.
Tinley Park—Richard J. Ryan.
Washington—Washington Auto Supply Co.
IND.—Evansville—Hardsoog Mfg. Co.
LeRoi Radio Laboratories.
Varney Elec. Supply Co.
Indianapolis—Alamo Sales Corp.
Capital Sales Co.
Varney Electrical Supply Co.
Western Electric Co.
IA.—Cedar Rapids—Terry-Durin Company.
Western Electric Co.
Davenport—Sieg Company.
Des Moines—Brackett Co.
Dubuque—Crescent Elec. Co.
Ottumwa—Hardsoog Mfg. Co.
Sioux City—McGraw Co.
Winchester-Simmons Co. of Sioux City.
Waterloo—Waterloo Elec. Supply Co.
KANS.—Abilena—Union Electric Co.
Hutchinson—Pattinson Elec. & Supply Co.
Pittsburg—Hardsoog Mfg. Co.
Wichita—Southwestern Radio Corp.
Winchester-Simmons Co. of Wichita.
KY.—Louisville—Peaslee-Gaulbert Co.
The Sutcliffe Co.
LA.—New Orleans—Electric Appliance Co.
Electron Engineering Co.
Interstate Elec. Co.
Western Elec. Co.
Shreveport—Interstate Elec. Co.
ME.—Bangor—Rice & Miller Co.
Portland—Atlantic Radio Co.
MARYLAND—Baltimore—American Wholesale Corp.
Baltimore Hub Wheel Mfg. Co.
Lincoln Motor Sales Co.
C. S. Palmer.
Southern Elec. Co.
Western Electric Co.
Jos. M. Zamoiski Co.
Hagerstown—Porter Chemical Co.
MASS.—Boston—Atlantic Radio Co., 727 Boylston St., Back Bay 8877.
Chandler & Farquhar Co., 36 Federal St., Main 7670.
Lewis Electrical Supply Co., Federal St., Main 7430.
Pettingell-Andrews Co., 511 Atlantic Ave., Congress 4200.
F. D. Pitts Co., 12 Park Sq., Back Bay 10716.
Radio Equipment Co., 630 Washington St., Beach 2957.
Sager Elec. Supply Co., 201 Congress St., Congress 3140.
Vye Smith Co.
Western Electric Co., 385 Summer St., Congress 2500.
Wetmore-Savage Co., 76 Pearl St.
Brockton—Sager Elec. Supply Co.
Springfield—Wetmore-Savage Co.
MICH.—Detroit—Beckley-Ralston Co., 4446 Woodward, Glendale 8894.
Commercial Elec. Supply Co., 138 E. Congress St., Main 4668.
Detroit Electric Co., 113 E. Jefferson St., Main 7830.
A. T. Knowlson Co., 415 E. Congress St., Main 5846.
Henry L. Walker Co., 27 E. Jefferson St., Main 2803-4.
J. M. Waterston, 427 Woodward, Main 6737.
Western Elec. Co., 1947 E. Kirby, Melrose 3321.
Grand Rapids—Western Electric Co.
MINN.—Duluth—Kelley-How-Thomas Co.
Marshall-Wells Co.
Western Elec. Co.
Minneapolis—Findley Electric Co.
Charles Goldfus Co.
Janney-Semple-Hill & Co.
R. M. Laird Elec. Co.
W. S. Nott Co.
Peerless Electric Co.
Radio Supply Co.
Sterling Elec. Co.
Western Elec. Co.
Winchester-Simmons Co. of Minneapolis.
St. Paul—Commonwealth Appliance Co.
Farwell-Ozmun-Kirk & Co.
Pioneer Elec. Co.
St. Paul Elec. Co.
Western Elec. Co.
MISS.—Isola—Miller Hardware Co.
MO.—Kansas City—Columbian Elec. Co., 1717 Walnut St., Grand 1001.
Satterlee Electric Co., Harrison 2880.
Sterling Radio Co., 149 Walnut St., Harrison 0668.
Western Electric Co., 608 Wyandotte, Main 4942.
Winchester-Simmons Co. of Kansas City, Charlotte & Armour, Norclay 1108.
St. Louis—Benson Radio Co., 920 Pine St., Olive 1587.
Benwood Co., Inc., 1110 Olive, Olive 5634.
Brown & Hall Supply Co., 1504 Pine St., Olive 8280.
Fuetterer Battery Co.
Manhattan Elec. Supply Co., 1106 Pine, Olive 5075.
McGraw Company, 2018 Locust St., Bomont 3170.
Radio Supply & Equip. Co., 4104 W. Florsn't., Colfax 3868.
Schokmiller & Franke, 200 N. 8th St., Olive 2329.
Van Ashe Radio Co., 210 N. 10th St., Olive 8047.
Western Electric Co., 814 Spruce St., Main 1611.
Winchester-Simmons Co. of St. Louis, 9th & Spruce St., Main 3400-X.
Wm. E. Woods.
MONT.—Billings—F. B. Connelly Co.
Butte—Montana Electric Co.
Missoula—Missoula Elec. Supply Co.
NEB.—Lincoln—Enterprise Elec. Co.
Omaha—Federal Radio Co.
McGraw Co.
Radio Apparatus Co.
Western Electric Co.
N. J.—Newark—Bannister & Pollard.
Newark Elec. Supply Co.
Radio Distributing Co.
Western Electric Co.
Wholesale Radio Equipment Co.
E. M. Wilson & Son.
Paterson—Federal Radio & Electric Co.
Paterson Radio Company, Inc.

EBY MFG. CO.—Continued.
N. Y.—Albany—Albany Hdwe. & Iron Co.
Havens Electric Co.
Binghamton—Bunnell-Stevens Co., Inc.
Brooklyn—Victory Elec. Supply Co.
Western Elec. Co.
Buffalo—Buffalo Radiophone Co., 324 Washington, Seneca 7860.
McCarthy Brothers & Ford, 75 W. Mohawk, Seneca 8500.
Robertson-Cataract Elec. Co., 126 S. Elmwood Ave., Seneca 5100.
Roth & Zillig, Inc., 1063 Main St., Tupper 3515-16.
H. I. Sackett Elec. Co., 351 Pearl St., Seneca 6000.
Western Electric Co., 711 Main St., Tupper 6200.
Jamaica—McPhilben Radio Elec. Corp.
New York—J. H. Bunnell & Co., 32 Park Place, Barclay 6115.
Clark & Tilson, No. 1 E. 42nd St., Vanderbilt 1421.
Continental Radio & Elec. Corp., 15 Warren St., Barclay 4457.
Emerson Radio Corp., Watkins 4220.
David Killoch Co., 57 Murray, Barclay 6518.
Manhattan Elec. Supply Co., 17 Park Place, Barclay 6900.
R. H. McMann, Inc., 122 Chambers, Barclay 1831.
Morison Elec. Supply Co., 15 E. 40th St., Vanderbilt 6775.
Musical Products Dist. Co., 37 E. 18th St., Stuyvesant 4424.
National Industries, Inc., 154 Nassau, Beekman 9781.
Noyes Elecl. Supply Corp.
Radio Stores Corp., 218 W. 34th St., Lackwana 8980.
Royal-Eastern Elecl. Supply Co., 114 W. 27th St., Lackwana 3600.
Stanley & Patterson, West & Hubert, Canal 5200.
Steelman, Inc., 24 Murray, Barclay 7941.
Sunbeam Radio Corp., 1834 Broadway, Columbus 4067.
Western Elecrtic Co., 401 Hudson, Canal 7000.
Wholesale Radio Equipment Co., Franklin 3100-1-2.
Rochester—Robertson-Cataract Elec. Co., Rochester Elecl. Supply Co.
Saratoga Springs—Hillebrands Radio Co.
Syracuse—Robertson-Cataract Elec. Co.
Western Elec. Co.
Troy—Hinsdill Elec. Co.
Utica—Robertson-Cataract Elec. Co.
N. C.—Charlotte—Southern Radio Corp.
Western Electric Co.
Winston-Salem—Brown-Rogers Co.
N. D.—Fargo—Fargo Plumbing & Heating Co.
OHIO—Canton—Wireless Mfg. Co.
Cincinnati—Ainsworth-Gates Co.
Milnor Elec. Co.
Ohio Rubber & Textile Co.
Western Electric Co.
Cleveland—Clarke Motor Equipment Co.
Electric Supply Co.
Erner Electric Co.
Newman-Stern Co.
Pennsylvania Rubber & Supply Co.
Republic Electric Co.
Western Electric Co.
Columbus—Avery & Loeb Elec. Co.
Entrekin Elec. Co.
Erner & Hopkins Co.
Western Elec. Co.
Defiance—American Steel Package Co.
Toledo—W. R. Nagel Elec. Co.
Roberts-Toledo Co.
Winchester-Simmons Co. of Toledo.
Youngstown—Western Electric Co.
OKLA.—Muskogee—Peabody Elec. Co.
Oklahoma City—National Radio Mfg. Co.
Tulsa—Dodge Elec. Co.
ORE.—Portland—Fobes Supply Co.
Marshall-Wells Co.
Pacific States Elec. Co.
Stubbs Elec. Co.
Western Elec. Co.
Winchester-Simmons Co. of Portland.
East Pittsburgh—United Electric Stores Co.
PA.—Erie—Star Electrical Co.
Harrisburg—Harrisburg Elec. Supply Co.
Johnstown—Johnstown Automobile Co.
Penn Traffic Co.
Philadelphia—Ace Sporting Corp., 604 Market St., Lombard 8437.
J. I. Burnstine, 70 N. 2nd St., Market 0175.
C. C. Davis Elec. Co., 125 N. 13th St., Spruce 471.
Elliott-Lewis Electrical Co., 1017 Race St., Walnut 4601.
Franklin Elec. Co., 15 N. 7th St., Lombard 7844.
Jones-Beach & Co., 50 N. 7th St., Lombard 7780.
Motor Parts Co., 1425 N. Broad St., Columbia 7100.
Novelty Elec. Co., 50 N. 4th St., Market 3965.
John Y. Parke Co., 29 N. 7th St., Lombard 7830.
Philadelphia Elec. Co., Supply Dept., Walnut 2605.
Philadelphia Wireless Sales Corp., 1533 Pine St., Locust 2656.
H. C. Roberts Elec. Sup. Co., 11th & Race, Filbert 5850.
Rumsey Elec. Co., 1007 Arch, Walnut 6260.
Sayre-Level Radio Co., 124 N. 12th St., Spruce 6417-18.
Schimmel Elec. Supply Co., 520 Arch St. Market 6400.
Frank H. Stewart Elec. Co., 37 N. 7th St., Lombard 7740.
Trilling & Montague, 40 N. 7th St., Lombard 7771.
Walker & Kepler, 531 Chestnut St., Lombard 1387.
Western Elec. Co., 910 Cherry St., Walnut 5405.
Winchester-Simmons Co. of Phil., 425 Arch St., Market 3768.
Pittsburgh—Beckley-Ralston Co., Bigelow & Craig, Schenly 0434.
Doubleday-Hill Elec. Co., 719 Liberty, Grant 1575.
Ludwig-Hommel & Co., 530 Fernando, Smithfield 2585.
Pittsburgh Radio & Appliance Co., 112 Diamond St., Court 0187.
Radio Sales Co., 6359 Penn Ave., Hiland 2912.
U. S. Radio Co., Main St., Sterling 0423.
Western Elec. Co., Water & West St., Court 8961.

EBY MFG. CO.—Continued.
Reading—Alex Kagen.
Scranton—Penn Elec. Eng. Co.
Uniontown—W. F. Frederick Piano Co.
Reed Radio & Elec. Co.
R. I.—Providence—B & H Supply Co.
Narragansett Radio Corp.
Western Electric Co.
S. C.—Sumter—Sumter Radio Mfg. Co.
S. D.—Sioux Falls—Graff Motor Supply Co.
TENN.—Chattanooga—James Supply Co.
Memphis—J. Goldsmith & Sons Co.
United Equipment Co.
Western Electric Co.
Nashville—Braid Elec. Co.
Western Elec. Co.
TEX.—Dallas—Automotive Elec. Co.
Electric Appliance Co.
Huey & Philip Hdwe. Co.
Western Elec. Co.
C. C. White Elec. Co.
Fort Worth—Mid-Continental Radio Corp.
Trav. Daniel Co.
Veihl-Crawford Hdwe. Co.
Houston—Tel Electric Co.
Western Elec. Co.
Waco—Waco Elec. Supply Co.
Wichita Falls—Maxwell Hdwe. Co.
UTAH—Salt Lake City—Granite Lumber & Hdwe. Co.
Inter-Mountain Elec. Co.
Western Electric Co.
VT.—Burlington—Hager Hdwe. & Paint Co.
VA.—Norfolk—Reliance Electric Co.
Western Electric Co.
Woodhouse Electric Co.
Richmond—Southern Electric Co.
Western Electric Co.
WASH.—Seattle—Electric Corporation.
Fobes Supply Co.
Pacific States Elec. Co.
Western Electric Co.
Spokane—Marshall-Wells Hdwe. Co.
Washington Elec. Supply Co.
Western Electric Co.
Tacoma—Western Electric Co.
W. VA.—Charleston—Charleston Elecl. Supply Co.
WISCONSIN—Green Bay—Murphy Supply Co.
LaCrosse—W. A. Roosevelt Co.
Madison—Crescent Elec. Supply Co.
Taylor Electric Co.
Milwaukee—Julius Andrae & Sons Co.
Radio Specialty Co.
Western Electric Company.

Foreign:
CANADA—Hamilton, Ont.—The Wallace Barnes Co., Ltd.

Eccles & Davies, 320 S. San Pedro, Los Angeles, Calif.
Eccles & Smith Co., 71 1st st., San Francisco, Calif.
Eccles Co., Richard, Auburn, N. Y.
Eccles, John L., Co., htg. contrs., 1 W. 4th, New York.
Eccles Lumber Co., Ogden, Utah.
Eccles, W. H., Lumber Co., Austin, Ore.
Eccleston Machinery Co., mining screens, ball mills, etc., 162 S. Anderson, Los Angeles, Calif.
Echota Cotton Mills, Calhoun, Ga.
Eck Dynamo & Motor Co., Main St., Belleville, N. J.
Eckam, Arthur G., umbrella mfrs., Rochester, N. Y.
Eckart, Fred, Packing Co., meat packers, 135 W. Main, Ft. Wayne, Ind.
Eckart Plumbing & Heating Co., Seattle, Wash.
Eckbold Sons Co., Wm., Aramingo & Girard, Philadelphia, Pa.
Eckels-Nye Steel Co., Emerson Ave., Syracuse, N. Y.
Eckenrode Bros., contractors, Wilkes-Barre, Pa.
Eckenroth, F., & Son, lbr., 921 E. 5th, New York.
Eckenroth Valve & Mfg. Co., Manayunk, Philadelphia, Pa.
Eckerson Bedding Co., Mechanicsville, N. Y.
Eckert, John A., packing box mfrs., 90 John, New York, & 54 Hopkins, Brooklyn, N. Y.
Eckert Knitting Co., 923 20th av., N., Minneapolis, Minn.
Eckerts, John, Sons, cornices & skylights, Madison, Ind.
Eckhard & Co., fire resisting cements, 2606 Elliott, St. Louis, Mo.
Eckhardt & Lennon Co., heading & staves, Monroe, La.
Eckhardt Monumental Co., Toledo, Ohio.
Eckhart, A. J., Co., broom mfrs., W. 74th, Madison, Cleveland, Ohio.
Eckhart Carriage Co., Auburn, Ind.
Eckhouse, Horace E., gum gaskets, 1834 Broadway, New York.
Eckhouse, Walter, & Co., shock absorbers, 616 S. Michigan blvd., Chicago, Ill.
Eckland, Fugard & Knapp, architects, 111 W. Monroe, Chicago; Moline, Ill.; Sterling, Ill.
Eckler Mfg. Co., Henry, South Bend, Ind.
Eckman Furniture Co., desk mfrs., Jamestown, N. Y.
Eclat Rubber Co., Cuyahoga Falls, Ohio.
Eclipse Air Brush Co., 79 Orange St., Newark, N. J.
Eclipse Box & Lbr. Co., Inc., 425H Greenpoint av., Brooklyn, N. Y.
Eclipse Cement & Blacking Co., 1238-44 Belmont Ave., Philadelphia, Pa.
Eclipse Co., garment hangers, North Girard, Pa.
Eclipse Elec. Mfg. Co., lamp guards & shade frames, Raymond & University, St. Paul, Minn.
Eclipse Electrotype & Engraving Co., 2041 E. 3rd St., Cleveland, O.
Eclipse Engrg. Co., Inc., ship chandlery, 321 Chartres, New Orleans, La.
Eclipse Fuel Engineering Co., 814 S. Main St., Rockford, Ill.
Eclipse Gas Stove Div. of Geo. D. Roper Corporation, Rockford, Ill.
Eclipse Interchangeable Counterbore Co., 7410 St. Aubin St., Detroit, Mich.
Eclipse Lawn Mower Co., Prophetstown, Ill.
Eclipse Light Co., 583 Broadway, New York.

ECLIPSE MACHINE CO., bicycle coaster brakes, auto & tractor starters, aeroplane & bicycle hubs, 18th st., Elmira, N. Y.

Eclipse Mach. Co., power vacuum cleaners & paper folding machines, Sidney, Ohio.
Eclipse Mach. Mfg. Co., concrete bldg. block mchy., Kendallville, Ind.
Eclipse Machine Tool Co., 7 Sherman, Charlestown, Mass.
Eclipse Mfg. Co., The, Hammond, Ind.
Eclipse Mfg. Co., The, Hope, Ark.
Eclipse Mfg. Co., 424 N. Meridian, Indianapolis, Ind.
Eclipse Mfg. Co., bolt and screw cases, Wellston, Ohio.
Eclipse Metal Mfg. Co., stove pipe mfrs., Eden, N. Y.
Eclipse Mill Co., Everett, Wash.
Eclipse Mill Crayon Co., Lowell, Mass.
Eclipse Paint & Mfg. Co., 6408 Euclid, Cleveland, Ohio.
Eclipse Pulley Covering Co., 537 S. Dearborn st., Chicago, Ill.

Eclipse Railway Supply Co., The, 6408 Euclid Ave., Cleveland, O.
Eclipse Sign & Advertising Co., Reading, Pa.
Eclipse Stove Company, The, (Now Toppan Stove Co., The), Mansfield, O.
Eclipse Wall Plaster Co., masons' & bldrs.' matl., Waynesboro, Pa.
Eclipse Wood Pulley Co., Berlin, Pa.
Eco Clock Co., 197 Congress St., Boston, Mass.

ECO CLOCK CO., 197 Congress st., Boston, Mass.

Eco Mfg. Co., piston rings, 23 Wormwood, Boston, Mass.

ECONOMIC MACHINERY CO., 18 Grafton st., Worcester, Mass.

Economical Electric Lamp Div., 25 W. Broadway, New York.
Economical Pneumatic Tube & Supply Co., 54 W. Lake St., Chicago.
Economy Advtg. Co., glass signs, Centralia, Ill.

ECONOMY BALER COMPANY, DEPT. M. B., Ann Arbor, Mich.

Pres.—G. W. Langford.
V. P.—Wm. Goodyear.
Secy.—A. G. Judson.
Treas.—E. Smidt.

Economy Bench & Cabinet Co., piano benches, 237 West av., 26, Los Angeles, Calif.
Economy Boiler Compound Co., Fuller bldg., New York.
Economy Box & Pie Plate Co., paper dishes, plates, etc., Marion, Ind.
Economy Concrete Co., 1335 Dixwell st., New Haven, Conn.
Economy Drawing Table & Mfg. Co., Center St., Adrian, Mich.
Economy Elec'l Spec. Co., conduit benders & junction boxes, 37 W. Van Buren, Chicago, Ill.
Economy Engn'g Co., 5716 Euclid av., Cleveland, Ohio.
Economy Eng. & Mach. Works, Chester, Pa.
Economy Engineering Co., Willoughby, O.
Economy Engineering Co., 2643 W. Van Buren St., Chicago.
Economy Excavator Co., Iowa Falls, Ia.
Economy Furnace Co., Chicopee, Mass.

ECONOMY FUSE & MFG. CO., Greenview Ave. at Diversey Pkway., Chicago.

Pres. & Treas.—A. L. Eustice.
District Offices:
Atlanta, Ga.—932 Healy Bldg.
Baltimore, Md.—803 Lexington Bldg.
Boston, Mass.—425 Rice Bldg.
Buffalo, N. Y.—544 Prudential Bldg.
Chicago, Ill.—513 W. Jackson Blvd.
Cincinnati, O.—2610 Union Central Bldg.
Cleveland, O.—1572 Hanna Bldg.
Denver, Colo.—681 Grant St.
Detroit, Mich.—1528 1st Natl. Bank Bldg.
Kansas City, Mo.—1205 Commerce Bldg.
Los Angeles, Cal.—846 Michelt orena Ave.
Milwaukee, Wis.—612 Majestic Bldg.
Minneapolis, Minn.—1008 Marquette Ave.
New York—30 Church St.
Philadelphia, Pa.—523 Widener Bldg.
Pittsburgh, Pa.—1006 Peoples Bank Bldg.
St. Louis, Mo.—541 Frisco Bldg.
San Francisco, Cal.—445 Rialto Bldg.
Seattle, Wash.—935 Henry Bldg.

Distributors:
ALA.—Birmingham—Matthews Electric Supply Co., Inc., 1823 First Ave., Main 1936.
Western Electric Co., 101 S. 21st St., Main 684.
ARK.—Little Rock—Treadway Electric Co., 713 Main, Main 2419.
CALIF.—Los Angeles—Graham-Reynolds Electric Co., 300-302 E. Third St., 105-55.
Western Electric Co., Inc., 301 E. Eighth St., Main 9323.
Western Light & Fixture Co., 301-303 S. Los Angeles St., 604-03.
Oakland—Western Electric Co., Inc., 300 12th St., Oakland 722.
San Francisco—Western Electric Co., Inc., 680 Folsom St., Sutter 6546.
COLO.—Denver—Hendrie & Bolthoff Mfg. & Supply Co., 1621-1635 17th St., Main 75.
Western Electric Co., Inc., 1425-1429 Curtis St., Main 2460.
CONN.—Hartford—The Southern New England Electric Co., 103-7 Allyn St., 2-4117.
New Haven—The C. S. Mersick & Co., 278 State St., Liberty 4130.
The Southern New England Electric Co., Inc., Prout St., Colony 40.
Western Electric Co., Inc., 211-223 Water St
Waterbury—The Southern New England Electric Co., 27 W. Main St., Tel. 242.
D. OF C.—Washington—National Electrical Supply Co., 1330 New York Ave., N. W., Main 0800.
H. C. Roberts Electric Supply Co., 806 12th St., N. W., Main 790.
FLA.—Jacksonville—Holt Electric Co., 10 W. Bay St., 4651.
Western Electric Co., Inc., 334 E. Bay St.
GA.—Atlanta—Carter Electric Co., 21 Haynes St., Main 6172.
Western Electric Co., Inc., 117-123 Walton St., Ivy 2261.
Savannah—Carter Electric Co., 22-24 W. Bay St.
Western Electric Co., Inc., 111 W. Broad St., Savannah 2330.
ILL.—Chicago—American Electrical Supply Co., 117-125 S. Morgan St., Haymarket 3804.
Central Electric Co., 316-326 S. Wells St., Wabash 2160.
Electric Appliance Co., 701 W. Jackson Blvd., Monroe 5020.
Hyland Electrical Supply Co., 31 N. Franklin St., Main 5260.
Illinois Electric Co., 312-314 W. Madison St., Main 4450.
Inland Electric Co., 14 N. Franklin St., Main 4820.
Manhattan Electrical Supply Co., 114 S. Wells St., Franklin 2081.
Metropolitan Electrical Supply Co., 180 W. Lake St., Main 4193.
Monarch Electric & Wire Co., 624 W. Adams St., Monroe 4949.
Otto Reiman, Inc., 155 W. Lake St., Franklin 1633.
Revere Electric Co., 439 Plymouth Court, Wabash 4314.
Western Electric Co., 500 S. Clinton St., Wabash 3000.
Rockford—Swords Electric Co., 625-629 Seventh St., Main 4048.
IND.—Evansville—The Varney Electrical Supply Co., 209-211 S. Sixth St.
Ft. Wayne—Protective Electrical Supply Co., 130-132 W. Columbia St.
Indianapolis—Indianapolis Belting & Supply Co., 38 S. Capitol Ave., Main 3226.
Indianapolis Electric Supply Co., 124 S. Meridian St., Main 1447.
Western Electric Co., Inc., 400 W. Ohio St., Main 2840.
IA.—Des Moines—Collins Electric Co., 203 Grand Ave.
Mid-West Electric Co.
Mason City—Julius Andrae & Sons Co., 496.
KY.—Louisville—Belknap Hardware & Mfg. Co., 127 W Washington St., Main 2500.
Jas. Clark, Jr., Electric Co., 520 W. Main St., Main 726.
LA.—New Orleans—Wesco Supply Co., Julia & Constance Sts.
Western Electric Co., Inc., LaFayette and S. Peters Sts., Main 731.
Woodward, Wight & Co., Ltd., Howard and Constance Sts., Main 3141.
MD.—Baltimore—Lee Electric Co., 217 N. Calvert St., Plaza 4080.
H. C. Roberts Electric Supply Co., 16 S. Howard St.
Southern Electric Co., 5-7-9 S. Gay St., Plaza 2050.
Western Electric Co., Inc., 106 South St., Calvert 5050.
MASS.—Boston—R. V. Pettingell Elec. Supply Co., 51 High St., Congress 0330.
Western Electric Co., Inc., 385 Summer St., Congress 2500.
Wetmore-Savage Co., 76 Pearl St., Congress 7800.
Springfield—Wetmore-Savage Co., 56 Hampden St., Walnut 4410.
Worcester—E. W. Ham Electric Co., 5 Barton Place, Park 305.
MICH.—Detroit—Commercial Electric Supply Co., 138-148 Congress St., E., Main 4668.
Crescent Electric Co., 150 E. Jefferson St., Main 782.
W. J. Hartwig Co., 127 E. Jefferson Ave., Main 4444.
The A. T. Knowlson Co., 415 Congress St., E., Main 5836.
McNaughton-McKay Electric Co., 331 W. Jefferson Ave., Main 5876.
T. B. Rayl Co., 226 W. Congress St., Cherry 5000.
Frank C. Teal Co., 425-429 Bates St., Main 3435.
Western Electric Co., Inc., Kirby Ave. & Dequindre St., Melrose 3321.
Grand Rapids—Western Electric Co., Inc., 39-45 Ottawa St., N. W., Main 5078.
Lansing—Capitol Electric Supply Co., 107 E. Ottawa St.
Saginaw—Morley Bros.
MINN.—Duluth—Julius Andrae & Sons Co., 21 E. Michigan St., Melrose 4913.
Duluth Electrical Supplies Co., 210 W. First St., Melrose 2324.
Marshall-Wells Co., 251 Lake Ave., S., Melrose 2800.
Northwestern Electric Equipment Co., 202-4 W. Michigan Ave., Melrose 827.
Western Electric Co., Inc., 320 W. First St., Melrose 129.
Minneapolis—R. M. Laird Electric Co., 215-217 S. Fourth St., Geneva 1663.
Peerless Electrical Co., 227 S. Fifth St., Geneva 2686.
Western Electric Co., 413-17 S. Fourth St., Main 1193.
St. Paul—Northwestern Electric Equipment Co., 174-180 E. Sixth St., Interior 1140.
Western Electric Co., Inc., 63 E. Sixth St., Cedar 1128
MO.—Joplin—Belden Electrical Supply Co., Fourth St. & Grand Ave.
Kansas City—Funsten Electric Co., 1310 Wyandotte St., Grand 1070.
St. Joseph—American Electric Co., 214 S. Eighth St., Main 285.
St. Louis—Commercial Electrical Supply Co., Broadway & Spruce Sts., Main 1292.
Manhattan Electrical Supply Co., 1106 Pine St., Olive 5075.
Wesco Supply Co., Seventh St. & Clark Ave., Main 3230.
Western Electric Co., Inc., 814 Spruce St., Main 1611.
MONT.—Butte—Electrical Equipment Co., 28 E. Broadway.
NEB.—Lincoln—The Korsmeyer Co., 1329 N. St., B6714.
Omaha—Mid-West Electric Co., 1207 Harney St., Douglas 0456.
Western Electric Co., Inc., 802 Farnam St., Atlantic 5740.
N. J.—Jersey City—Hudson Elect. Supply & Equipment Co., 572 Newark Ave., Montgomery 3495.
Newark—Newark Electrical Supply Co., 223 Market St., Market 9240.
Parr Electric Co., 28 Treat Place.
Tri-City Electric Co., 52-56 LaFayette St., Market 0664.
Western Electric Co., Inc., 282-284 Halsey St., Market 9900.
Paterson—Tri-City Electric Co., Inc., 159 Ward St.
N. Y.—Albany—E. S. & E. Co., Inc., Broadway at Church St., Main 381.
Havens Electric Co., Inc., 31 Hudson Ave., Main 3020.
Binghamton—Bunnell-Stevens Co., Inc., 75-83 Prospect Ave.
Southern N. Y. Electrical Supply Corp., 78-80 State St.
Southern Tier Electrical Supply Co., 171-173 Washington St.
Brooklyn—W. R. Ostrander & Co., 1439 DeKalb Ave., Evergreen 8510.
Parr Electric Co., 177 Atlantic Ave.
Royal-Eastern Electrical Supply Co., 315 Livingston St., Jamaica 4288.
Sibley-Pitman Electric Corp., 56 Myrtle Ave.
Western Electric Co., Inc., 505 St. Marks Ave., Prospect 1000.
Buffalo—Electric Supply & Equipment Co., 285 Ellicott St.
Robertson-Cataract Electric Co., 151 W. Mohawk St., Seneca 5100.
Western Electric Co., Inc., 709-711 Main St., Tupper 6200.
Elmira—E. S. & E. Co., 107 E. Church St.
Jamaica—Royal-Eastern Electrical Supply Co., 264 Fulton St., Jamaica 4288.
Long Island City, L. I.—Royal-Eastern Electric Supply Co., 382 Jackson Ave.
New York—Alpha Electric Company, Inc., 151-155 W. 30th St., Watkins 0500.
The Burnet Co., 69 South St., John 0199.
E. B. Latham & Company, 550 Pearl St., Franklin 4870.
Manhattan Electrical Supply Co., 17 Park Place, Franklin 5300.
W. R. Ostrander & Co., 371 Broadway, Canal 3000.
Parr Electric Co., 77 Warren St., Barclay 3866.
Royal-Eastern Electrical Supply Co., 114-115 W. 27th St., Watkins 0112.
Sibley-Pitman Electric Corp., 13th St. & Sixth Ave., Watkins 3800.
Stanley & Patterson, Inc., West & Hubert St., Canal 5200.
Western Electric Co., Inc., General Sales Dept., 195 Broadway, Cortland 7700.
Western Electric Co., Inc., 401 Hudson St.
Western Electric Co., Inc., 100 E. 42nd St.
Rochester—Robertson-Cataract Electric Co., 186 Clinton Ave., N., Glenwood 327.
Rochester Electrical Supply Co., 240 St. Paul St., Main 6775.
Wheeler-Green Electrical Supply Co., 29-33 St. Paul St., Stone 3333.
Syracuse—Robertson-Cataract Electric Co., 251-55 W. Fayette St.
Western Electric Co., Inc., 930 S. Salina St., Warren 4167.
Utica—Langdon & Hughes Electric Co., 233 Elizabeth St.
Utica Electrical Supply Co., Inc., 508 Charlotte St.
N. C.—Asheville—Piedmont Electric Co., Electrical Bldg.
Charlotte—Electric Supply & Equipment Co., 220 W. First St., Pone 3656.
Western Electric Co., Inc., 238 W. First St., Charlotte 1017.
OHIO—Akron—The Hardware & Supply Co., 475-535 S. High St., Main 2420.
Canton—The Moock Electric Supply Co., Cleveland Ave. & Fifth St., N. W., Main 3870.
Cincinnati—The Creaghead Engineering Co., 340 Main St., Main 4352.
The F. D. Lawrence Elec. Co., 219 W. Fourth St., Main 4435.
The Post-Glover Electric Co., 308-314 W. Fourth St., Main 3.
Western Electric Co., Inc., 319 Elm St.
Cleveland—The Elliott Electric Co., 813 Superior Ave., N. W., Main 6412.
The Erner Electric Co., 1240 Ontario St., Main 7520.
The Luetkemeyer Co., 725-35 Superior Ave., N. W., Main 4380.
Western Electric Co., Inc., 1010 Oregon Ave., N. E., Cherry 603.
Columbus—The Erner & Hopkins Co., 146-148 N. Third St., Main 280.
The Sackett Mine Supply Co., 162 N. Third St., Main 1608.
Western Electric Co., Inc., 154-156 N. Third St., Main 7177.
Dayton—The Wm. Hall Electric Co., 115 E. Third St., Main 3424.
Toledo—The F. Bissell Co., 812-822 LaFayette St., Adams 846.
The Electric Supply Co., 512-514 Erie St., Adams 6574.
Toledo Elec. Sales Co., 508 Monroe St., Adams 1066.
Youngstown—The Electrical Maintenance Co., 25 W. Commerce St., Main 5400.
The Moock Electric Supply Co., 218-222 E. Front St.
Western Electric Co., Inc., 930 W. Rayen Ave., Main 7460.
OKLA.—Oklahoma City—Southwest General Elec. Co., Walnut 1176.
Tulsa—Southwest General Electric Co., 403 Cosden Bldg.
ORE.—Portland—Fobes Supply Co., Eighth & Davis Sts., Broadway 1888.
Marshall-Wells Co., 15th & Lovejoy Sts., Broadway 3700.
North Coast Electric Co., 329-331 Everett St., 0837.
Stubbs Electric Co., 75 Sixth St., Broadway 1696.
Western Electric Co., Inc., Flanders & Park Sts., Broadway 8121.
PA.—Erie—The Star Electrical Co., 1913 State St., 784.
Philadelphia—Jones-Beach & Co., 50 N. Seventh St., Market 0408.
Philadelphia Electric Co., Supply Dept., 130-132 S. 11th St., Walnut 2605.
H. C. Roberts Electric Supply Co., 1101-3-5 Race St., Filbert 3616.
Rumsey Electric Co., 1007 Arch St., Walnut 6260.
Frank H. Stewart Electric Co., 37-39 N. Seventh St., Lombard 7740.
Western Electric Co., Inc., 910 Cherry St., Walnut 5405.
Pittsburgh—Iron City Electric Co., 436-438 Seventh Ave., Schenly 4890.
W. T. McCullough Electric Co., 317-319 First Ave., Court 2420.
Robbins Electric Co., 830 Liberty Ave., Grant 6780.
Union Electric Company, 933 Liberty Ave., Grant 5810.
Western Electric Co., Inc., P. O. Box 142, Cedar 2300.
Reading—The Electric Supply & Equipment Co., 145-149 Pearl St.
Scranton—The Electric Supply & Equipment Co., 114-116 Cliff St.
The Chas. B. Scott Co., 119 Franklin Ave., 4221.
Wilkes-Barre—E. S. & E. Co., 203 S. Washington St.
R. I.—Providence—Boss Electrical Supply Co., 11 Peck St., Union 5454.
Western Electric Co., Inc., 233 Harris Ave., Union 8222.
S. C.—Columbia—Mann Electric Supply Co., Inc.
TENN.—Chattanooga—Mills & Lupton Supply Co.
Knoxville—C. M. McClung & Co., 501-519 W. Jackson Ave., 2600.
The Riechman-Crosby Co., 223-229 S. Front St., Main 3800.
Wesco Supply Co., 16-18 S. Lauderdale St., Main 1600.
Western Electric Co., Inc., 165 Jefferson Ave., Main 754.
Nashville—Braid Electric Co., 234 Second Ave., N., Main 47 & Main 354.

(Continued on following page)

ECONOMY FUSE & MFG. CO.—Continued.
Western Electric Co., Inc., 6 Cummings Station, Nashville M-5086.
TEX.—Dallas—Southwest General Electric Co., 1801-9 N. Lamar St., X-2201.
Western Electric Co., Inc., Pacific Ave. & Ervay St., X-6454.
El Paso—Southwest General Electric Co., 500 San Francisco St.
Houston—Southwest General Electric Co., Third & Washington Sts., Preston 648.
Western Electric Co., Inc., Commerce Ave. & Jackson St., Preston 215.
San Antonio—Southwest General Electric Co., 1109 City Nat. Bank Bldg.
UTAH—Salt Lake City—Capital Electric Co., 310-314 West Second South St.
Inter-Mountain Electric Co., 43-59 E. Fourth South St., Wasatch 354.
Western Electric Co., Inc., 41-43 W. 3rd South St., Wasatch 630.
VA.—Norfolk—Western Electric Co., Inc., Southgate Terminal Bldg., Norfolk 25365.
Woodhouse Electric Co., 238 Court St.
Richmond—Southern Electric Co., 1104-6-8 S. Cary St., Madison 1703.
Tower-Binford Elec. & Mfg. Co., Fourth & Carey Sts., Madison 504.
Western Electric Co., Inc., Sixth & Cary Sts., Randolph 1846.
WASH.—Seattle—Fobes—Supply Company, 560 First Avenue, South, Elliott 4417.
North Coast Electric Co., 206 Third Ave., S., Elliott 5316.
Western Electric Co., Inc., 84 Marion St., Main 6650.
Spokane—Marshall-Wells Co., 131 E. Main St., Main 5050.
Western Electric Co., Inc., Post St. & Railroad Ave., Riverside 2228.
Tacoma—Home Electric Co., 1321-1323 A St.
Western Electric Co., Inc., 1115 A St., Main 3100.
W. VA.—Fairmont—Fairmont Supply Co., 301 Cleveland Ave.
Huntington—Banks Supply Co.
Wheeling—Sands Electric Co., 47 11th St.
WIS.—Milwaukee—Julius Andrae & Sons Co., Broadway 4900.
G-Q Electric Co., 23-25 Erie St., Broadway 5400.
Milwaukee Electric Railway & Light Co., Public Service Bldg., Grand 5100.
Western Electric Co., 458 Milwaukee St., Broadway 5413
Racine—Wisconsin Gas & Electrical Co., 305 Sixth St.

ECONOMY FUSE & MFG. CO. OF CANADA, LTD., 505 Unity Bldg., Monreal, Quebec, Canada.

Economy Hang-Up Soap Co., 136 W. Lake st., Chicago, Ill.

ECONOMY HEATER CO., 110 S. La Salle St., Chicago.

Economy Ice Machine Co., 1018 Tacoma av., Tacoma, Wash.
Economy Ink Co., The, 129 Sycamore St., Cincinnati, O.
Economy Laboratories Co., Sarritt Bldg., Kansas City, Mo.
Economy Lamp Co., 1701-15 Washington, Kansas City, Mo.
Economy Lubricating Co., 6 Temple St., Boston, Mass.
Economy Machine Products Co., 5214 Lawrence Ave., Chicago.
Economy Machinery Co., 428 E. Pearl, Cincinnati, O.
Economy Mfg. Co., tool chests, 5350 Gtn., Philadelphia, Pa.
Economy Mfg. Co., Bridgeport, Conn.
Economy Mills, castings & mach. wipers, High, Oakland, Calif.
Economy Mills, cotton & wool waste & castings, High, at S. P. tracks, Oakland, Calif.
Economy Oil Co., 541 W. Roosevelt Rd., Chicago.
Economy Pattern Wks. & Mfg. Co., 2264 E. 15th, Los Angeles, Calif.
Economy Pottery Co., Trenton, N. J.
Economy Products Corp., 629 S. San Pedro, Los Angeles, Calif.

ECONOMY PUMPING MACHINERY CO., 100-126 N. Curtis St., Chicago.
Pres. & Treas.—R. H. Thoma.
V. P.—L. G. L. Thoma.
Secy.—W. W. Huggins.

Economy Scaffold Co., 4619 Fulton St., Chicago.

ECONOMY SCREW CORPORATION, 5215 E. Ravenswood Ave., Chicago.

Economy Seat Co., 1824 Albert St., Chicago.
Economy Silo & Mfg. Co., Frederick, Md.
Economy Stay Co., handles, bags, Jefferson City, Mo.
Economy Stove Co., 2108 Superior, Cleveland, Ohio.
Economy Toggle Co., 18 Cross, Boston, Mass.
Economy Tumbler Co.,, glass, Morgantown, W. Va.
Economy Wall Fixture Co., ironing boards, kitchen cabinets, tables, etc., 4274 S. Main, Los Angeles, Calif
Economy Welding Mach. Co., S. W. Blvd. & Central, Kansas City, Mo.
Economy Wiping Materials Co., waste, 100 10th av., New York.
Ecorse Fdry. & Mach Co., Ecorse, Mich.
Eddleman, Wm. H., & Sons, contractors, 453 Green La Rox, Philadelphia, Pa.
Eddy & Eddy, starch, Main & Market, St. Louis, Mo.
Eddy & Sherman Mfg. Co., barrows, fruit presses, etc., 633 Randolph, Huntington Park, Calif.
Eddy & Sons Co., D., 336 Adams St., Boston, Mass.
Eddy Brass Foundry & Machine Co., 1427 Carroll Ave., Chicago.
Eddy Bros. & Co., lbr. mfrs., Bay City, Mich.
Eddy, C. F., Co., masons' & bldrs.' matls., West Newton, Mass.
Eddy, E. A., Machy. Co., mill & facty. supps., 211 Eddy, Providence, R. I.
Eddy Engineering Co., Alpena, Mich.
Eddy, Geo. W., Co., wholesale hardware, Syracuse, N. Y.
Eddy Paper Co., Three Rivers, Mich.
Eddy Plow Co., W., Greenwich, N. Y.
Eddy Wall Board Co., Three Rivers, Mich.

EDDY VALVE CO., Waterford, N. Y.
Pres. & Treas.—John Knickerbacker.
V. P. & Sec.—H. C. Rogers.
New York—2 Rector St., John T. McKenzie.

Eddy's Son, Titus, Troy, N. Y.
Eddystone Mfg. Co., machsts. & fndrs., Eddystone, Pa.
Eddystone Steel Co., Crum Lynne, Pa.
Ede, G. A., machsts. & fdrs., Cobden, Ill.
Edelman & Co., E., 2332 Logan Blvd., Chicago.
Edelstein, Carl, scrap brass, 279 Front, New York.
Edelstein, D., chemical imp., 80 Clay, San Francisco, Calif.
Edelstone, Wm. W., mill & facty. supps., 25 Thorndike, East Cowbridge, Mass.
Ederer Engineering Co., cranes, etc., 2945 1st av. S., Seattle, Wash.
Ederer, R. J., Co., cotton rope, fish nets, etc., 169 N. Franklin st., Chicago, Ill.
Ederer, R. J., Thread Co., Elizabeth & Unity, Philadelphia, Pa.
Edes Mfg. Co., Plymouth, Mass.
Ede's Robe Tannery Co., Dubuque, Iowa.
Edgar & Campbell, cornices & skylights, Seattle, Wash.
Edgar Bros. Co., clay, miners & shippers, Metuchen, N. J.
Edgar Canning Co., Edgar, Nebr.
Edgar, Chas. S., masons' & bldrs.' matls., Metuchen, N. J.
Edgar Lumber Co., Wesson, Ark.
Edgar Mfg. Co., nutmeg graters, Reading, Mass.
Edgar Plastic Kaolin Co., Metuchen, N. J.
Edgar Steel Seal & Mfg. Co., Lawrence, Kans.
Edgar Zinc Co., Boatmen's Bank Bldg., St. Louis, Mo.
Edge, Benj. F., sash, door & blind mfrs., Grand Rapids, Mich.
Edge-Dowling Lbr. Co., Groveland, Fla.
Edge, Frank, & Co., machsts., Grand Rapids, Mich.
Edge Hill Silica Rock Co., New Brunswick, N. J.
Edge Moor Iron Co., Edge Moor, Del.
Edgecomb, W. H., & Sons, lumber, Knoxville, Pa.
Edgecombe Company, The, Cuyahoga Falls, O.
Edgecumbe, J. C., & Co., packing mfrs., 149 Broadway, New York.
Edgecumbe-Parks Co., poles, Benton Harbor, Mich.
Edgehill Stone & Construction Co., North Glenside, Pa.
Edgemont Mach. Co., 2200 Home Ave., Dayton, O.
Edgerton Mfg. Co. (Baskets), Plymouth, Ind.
Edgett & Patterson, contractors, Carbondale, Pa.
Edgett-Burnham Co., canned goods, Newark, N. Y.
Edgewater Coal Co., Syracuse, N. Y.
Edgewater Paper Co., Menasha, Wis.
Edgewater Sawmills Co., Tompkinsville, N. Y.
Edgewater Steel Co., P. O. Box 249, Pittsburgh, Pa.
Edgeworth, Jas. J., stone, 2701 Stewart av., Chicago, Ill.
Edgeworth Steel Co., 92 Washington St., W., Boston, Mass.
Edible Products Co., cocoanut oil, 120 Broadway, New York.
Edinburg Milling Co., flour, Edinburg, Va.
Edinburgh Cabinet Co., Dept. H, Edinburgh, Ind.
Edinger, Ed., Co., contractors & stone producers, Cedar Rapids, Ia.
Edington Bros., cornices & skylights, Harriman, Tenn.

EDISON ELECTRIC APPLIANCE CO., INC., 5600 W. Taylor St., Chicago. (Home Office.)

Edison Electric Appliance Co., Ontario, Cal.
Edison Electric Co., The, Akron, O.
Edison, Inc., Thomas A., Belmont Ave., & Silver Lake, Bloomfield, N. J.
Edison, J. D., fertilizer mfrs., Johnston, S. C.

EDISON LAMP WORKS OF THE GENERAL ELECTRIC COMPANY, Harrison, N. J.

Edison Packing & Sales Co., 234 State St., Boston, Mass.
Edison Phonograph Wks., machsts., Orange, N. J.
Edison Portland Cement Co., Stewartsville, N. J.
Edison Storage Battery Co., Orange, N. J.
Edison, Thos. A., machsts., Orange, N. J.
Edisto River Lbr. Co., 122 S. Mich. Ave., Chicago.
Edisto River Lbr. Co., Embree, S. C.
Edisto Sand & Gravel Co., Charleston, S. C.
Edlin, S. H., & Co., machsts., Indianapolis, Ind.
Edlund Machinery Co., Inc., Cortland, New York.
Edmands, Arthur B., Co., mill & facty. supplies, Slater av., Pawtucket, R. I.
Edmands, Walter S., elec. light baths, 27 Pearl, Boston, Mass.
Edmond & Pitcher, 1113 W. Bdway, Long Beach, Calif.
Edmonds Elevator Co., 519 Champlain Ave., N. W., Cleveland, O.
Edmonds, F. E., cornices, Springfield, Ill.
Edmonds, Thos. C., & Co., plate glass, 1826 Park av., New York.
Edmonds, W. A., & Co., brass castings, Norfolk, Va.
Edmondson, R. Q., & Bro., fertilizer mfrs., Eufaula, Ala.
Edmonston, Sam'l H., Co., contrs, 611 G, N. W., Washington, D. C.
Edmunds & Jones Corp., auto lamps & whistles, 436 Lawton, Detroit, Mich.
Edmunds, W. C., & Co., whol. hdwe., 34 Charles, Baltimore, Md.
Edmund, A. H., 1125 Broadway, Long Beach, Calif.

EDNA BRASS MANUFACTURING COMPANY, The, 525-533 Reading Road, Cincinnati, O.
Pres.—Benjamin I. Kaufmann.
V. P. & Treas.—David B. Joseph.
2nd V. P. & Sales Mgr.—R. B. Buram.
Sec.—Emil Jacobson.
Chicago—460 McCormick Bldg., 332 S. Michigan Ave., Dromgold & Glenn.

Edna Cotton Mills, Reidsville, N. C.
Eduro Porcelain Enameling Co., Middletown, Pa.
Edson Mfg. Co. Corp., 375 Broadway, Boston, Mass.
Edson, Wyman L., agricultural implts., creamery testers, etc., Union Center, N. Y.
Edstrand & Olson, plating wks., 159 N. Jefferson, Chicago, Ill.
Edtbauer, E., & Co., automatic weighing machs., 224 N. Desplaines, Chicago, Ill.
Educational Exhibition Co., 26 Custom House, Providence, R. I.
Educational Film Corp., wood fillers, 729 7th av., New York.
Edward Bros., sea green rfg. slate, Granville, N. Y.
Edward Valve and Manufacturing Co., The, 1200 W. 145th St., E. Chicago, Ind.
Edwards & Bradford Lbr. Co., Elk, Wash.
Edwards & Bradford Lbr. Co., Sioux City, Ia.
Edwards & Chamberlin Hardware Co., The, Kalamazoo, Mich.
Edwards & Co., masons' & bldrs.' matls., Kingston, Pa.

EDWARDS & CO., GEO. W., 328 Chestnut St., Philadelphia, Pa.

Edwards & Co., H. D., 18 Woodward Ave., Detroit, Mich.
Edwards & Co. Inc., Exterior & 140th St., New York.
Edwards & Co., Joseph, 827 E. 9th St., New York.
Edwards & Deutsch Lithographing Co., 2320 S. Wabash Ave., Chicago.
Edwards & Edwards, scythe snaths, Waterbury, Vt.
Edwards & Monahan Co., contractors, 6 Beacon, Boston, Mass.
Edwards & Walker Co., Portland, Me.
Edwards & Wilder Co., contrs., Black Bldg., Los Angeles, Calif.
Edwards Bros., sealing wax, Milton, Mass.
Edwards, B. W., & Sons, lumber mfrs., 17 S. Gay, Baltimore, Md.
Edwards, C. J., Co., masons' & bldrs.' matls., Vicksburg, Miss.
Edwards Co., E. H., Monadnock Bldg., San Francisco, Cal.
Edwards Co., O. M., The, Syracuse, N. Y.
Edwards, E. A., & Co., stone producers, 13th & Delging, Denver, Colo.
Edwards, E. T., Manufacturer, Columbia, Pa.
Edwards Folding Box Co., 27 N. 6th, Philadelphia, Pa.
Edwards Furnace Co., Wellsboro, Pa.
Edwards, Geo. B., cornices, Mendota, Ill.
Edwards, H. B., masons' & bldrs.' matls., Titusville, Pa.
Edwards, H., Mfg. Co., inks & paste, 20 Natoma, San Francisco, Calif.
Edwards Ice Machine & Supply Co., pipe bends, 3622 E. Marginal Way, Seattle, Wash.
Edwards, J. R., & Co., contractors, Pottsville, Pa.
Edwards, John H., stone, 5837 Justine, Chicago, Ill.
Edwards Lighting Fixture Co., 20 E. Lake, Chicago, Ill.
Edwards Mfg. Co., C. D., Albert Lea, Minn.
Edwards Mfg. Co., cotton sheetings, Augusta, Me.
Edwards Mfg. Co., washing machs., Honey Creek, Ind.

EDWARDS MANUFACTURING CO., THE, 545-565 Eggleston Ave., Cincinnati, O.
Pres.—E. W. Edwards.
V. P.—G. R. Edwards.
Secy.—G. D. Myers.
Treas.—H. W. Edwards.
Supt.—W. A. Edwards.
Sales Mgr.—H. W. Edwards.
Adv. Mgr.—N. D. Jones.
Dallas, Tex.—N. E. Corner Market & Collin. Jas. F. Agnew.
New York—81-83 Fulton St., The W. H. Daycock, Jr., Co.

Edwards Motor Co., kerosene engines, Springfield, Ohio.
Edwards, O. D., masons' & bldrs.' matls., Ithaca, N. Y.
Edwards, R. M., cornices, Los Angeles, Cal.
Edwards, Robert C., architect, 579 Westfield av., Elizabeth, N. J.
Edwards, S. E., 502 Mass. Bldg., Kansas City, Mo.
Edwards Vitrified Brick Co., sewer pipe, Albion, Ill.
Edwards, W. F., & Co., contractors, Orange, N. J.
Edwards, W. G., machinist, Plainview, Minn.
Edwards, W. W., bench lathes, band saws, etc., 716 N. Main, Los Angeles, Calif.
Edwards X-Ray Mfg. Co., 111 New Jersey, Indianapolis, Ind.
Edwardsville Brass Co., Edwardsville, Ill.
Eefers, Wm. R., sheet metal stampings, 140 Sullivan, New York.
Eells & Mott Co., carriage & wholesale hdwe., Oneida, N. Y.
Effert & Gerisch, stone producers, West New York, N. J.
Efficiency-Device Corp., 203 Eighth St., Brooklyn, N. Y.
Efficiency Electric Co., East Palestine, O.
Efficiency File Co., The, 1772 Wilson Ave., Chicago.
Efficiency Machine Works, 3720 N. Newstead Ave., St. Louis, Mo.
Efficiency Meters Co., 719 J, Sacramento, Calif.
Efficient Contrs., Inc., open hearth furnaces, Perth Amboy, N. J.
Efland Milling Co., flour, Efland, N. C.
Efron, Jacob, steam fitters' supplies, 233 Broome, New York.
Egan & Co., contractors, 133 W. Washington, Chicago.
Egan Cement Paving & Const. Co., 490 S. 13th, Newark, N. J.
Egan, Thos., contractor, New Orleans, La.
Egan Waste Co., 168 Front, New York.
Egbers, Geo. H., & Bro., iron, 228 E. 7th, Cincinnati, O.
Egbert & Co., W. V., 35 Mechanic St., Newark, N. J.
Egdorf, John, stone, 1227 Otto, Chicago, Ill.
Eggan, Fred J., mill & facty. supplies, Ishpeming, Mich.
Eggers & Heinlein, crude rubber, 59 Pearl, New York.
Eggers, Chas. F., & Co., contractors, Uniontown, Pa.
Eggers Co., Inc., John H., Times Bldg., New York.
Eggers, Fred, Veneer Seating Co., Two Rivers, Wis.
Eggers, Jno., Iron Works, 364 N. Harding, Chicago, Ill.
Eggers Milling Co., flour, Hermann, Mo.
Eggers Pole & Supply Co., ties, etc., Parkwater, Spokane, Wash.
Eggers Veneer Seating Co., Fred, Two Rivers, Mich.
Eggers, Wm. J., & Sons, rubber molds, 294 Tafe pl., Brooklyn, N. Y.
Eggerss & O'Flying Co., Omaha, Neb.
Eggert, Chas., masons' & bldrs.' matls., North Milwaukee, Wis.
Eggert, G. S., lbr. mfrs., Getchell, Wash.
Egginton, O. F., Co., cut glassware, Corning, N. Y.
Egle Bros. Mfg. Co., 6543 Sylvester Ave., Detroit, Mich.
Egleston Bros. & Co. (Iron & Steel), 166 South St., New York.
Egry Register Co., The, 429 Monument St., Dayton, O.
Egypt Canning Co., Fairport, N. Y.
Egyptian Chemical Co., disinfectants, 507 Warren av., Boston, Mass.
Egyptian Iron Wks., Inc., Murphysboro, Ill.
Egyptian Lacquer Mfg. Co., The, 90 West St., New York.

EGYPTIAN NOVACULITE CO., Ry. Exchange Bldg., St. Louis, Mo.

Egyptian Powder Co., Alton, Ill.

EGYPTIAN TIE & TIMBER CO., 1821 Railway Exchange Bldg., St. Louis, Mo.
Pres.—Chas. A. Clark.
V. P.—B. K. Leach.
Secy. & Treas.—John Fuhrer.

Ehemann & Co., Geo. C., Bank of Commerce Bldg., Memphis, Tenn.
Ehlers & Smith, 557 Mission, San Francisco, Calif.
Ehlers, A., architect, Carthage, Mo.
Ehlers, Robt. J., Co., refrigerators, furniture, 469 7th av., New York.
Ehlers, Wm. H., architect, Catonsville, Md.
Ehlert, Wm., 1000 The Almeda, San Jose, Calif.
Ehlmann Olive Co., canned, Oroville, Calif.
Ehrbar, Edward, Inc., mfrs.' agents, 270 West, New York.
Ehren Pine Co., lbr. mfrs., Ehren, Fla.
Ehrensperger, J. J., machsts. & fndrs., Cullman, Ala.
Ehret Magnesia Mfg. Co. (Factories & Executive Offices), Valley Forge, Pa.
Ehret Roofing & Mfg. Co., Park av. & Cumberland, Philadelphia, Pa.
Ehrhart, Louis & Son, sash, doors & blind mfrs., 4826 Wrightwood av., Chicago, Ill.
Ehrlich & Sons Mfg. Co., H., St. Joseph, Mich.
Ehrlich-Harrison Co., 35 Hanford St., Seattle, Wash.
Ehrmann & Bahlsen, carbon & diamonds, 35 Nassau, New York.
Ehrmann & Co., meat packers, 104 S. 4th, Terre Haute, Ind.
Ehrmann, Ludwig, color mfrs. & imptrs., 288 Bowery, New York.
Ehrsam & Sons Mfg. Co., J. B., Enterprise, Kans.

Eichberg, W. L., cornices, Dept. H, 191 Jefferson, Memphis, Tenn.
Eichelberger, Kirk W., Rialto Bldg., San Francisco, Calif.
Eichelberger's Sons, T. D., 1022 E. 5th., Dayton, O.
Eichenbusch, J. W., Co., bags & suit cases, 120 Ann, Chicago, Ill.
Eichholtz, Geo. W., & Son, lbr. mfrs., 714 Lemcke Bldg., Indianapolis, Ind.
Eichleay Co., John, Jr., 20th & Wharton Sts., Pittsburgh, Pa.
Eichman Mfg. Co., J. C., Buch and Wicomico Sts., Baltimore, Md.
Eichorn, Mrs. Ludwig, cornices, New Orleans, La.
Eick, Otto, Mfg. Co., bottlers' & brewers' machy., 3231 S. B'way, St. Louis, Mo.
Eid Concrete Steel Co., L., Cincinnati, O.
Eidlitz & Ross, steel structural wk., 110 W. 40th, New York.
Eidlitz, Marc & Son, contractors, 41 E. 42nd, New York.
Elelson, A., lbr. mfrs., Springfield, Ill.
Eifert & Stochr, organs, 920 2nd av., Long Island City, N. Y.
Eifert, Hy. F., auto. & furn. binding, 42 Union sq., New York.
Eifert, Paul, auto. trunks, Grand Rapids, Mich.
Eifler, Chris., organs, Darby, Pa.
Elmer & Amend, Third Ave., 18th to 19th Sts., New York.
Einsiedel, Julius, brick, Egg Harbor City, N. J.
Einsweller, C. W., masons' & bldrs.' matls., Utica, O.
Eisaman-Richer Lumber Co., Peru, Ind.
Elsbach, Peter, & Sons, contractors, Dubuque, Iowa.
Eisemann, John Ed., cornices & skylights, Houston, Tex.
Eisemann Magneto Corp., 32-33rd St., Brooklyn, N. Y.
Eisemann, S. J., ironing boards, 487 B'way, New York.
Eisen, P. A., architects, Pacific Finance Bldg., Los Angeles, Calif.
Eisenberg & Son, M. (Brass Fixtures), 165 Grand Ave., New York.
Eisenberg Bros., arch'l iron, 18 Jackson, New York.
Eisenbrandt, F. B., machinist, ft. of Light, Baltimore, Md.
Eisendrath, B. D., Tanning Co., 130 N. Wells, Chicago, Ill., & Racine, Wis.
Eisendrath Glove Co., 2001 Elston Ave., Chicago.
Eisenmayer Milling Co., flour, Springfield, Mo.
Eisenmenger, L., Meat Co., St. Paul, Minn.
Eisenstadt, Wm., soap, 1615 W. 42d, Chicago, Ill.
Eisenstark & Lipshitz, advtg. nov., 26 W. 17th St., New York.
Eisler & Co., Anthony, 221-27 Canal St., New York.
Eisler, Chas., mechanical engineer, 15 Kirk pl., Newark, N. J.
Eisler Mfg. Co., spec. machy. & stamping wks., Rochester, N. Y.
Eissler, J. Fred, carriages, Fostoria, Ohio.
Elsworth Co., sash, door & blind, Williamsport, Pa.
Eitel, H. C., masons' & bldrs.' matls., Elberton, Wash.
Ejecto Cigarette Holder Co., 1121 Howard, San Francisco, Calif.
Ekern Bros. Mfg. Co., Flandreau, S. D.
Ekle, A. R., stone producers, Mankato, Minn.
Ekstrand, Oscar & Co., contractors, Evanston, Ill.
Elaborated Ready Roofing Co., 4417 Wentworth av., Chicago, Ill.
Elam, Thos., & Son, contractors, 180 Jessie, San Francisco, Calif.
Elastic Compound Paint Co., 5131 Kershaw St., Philadelphia, Pa.
Elastic Tip Co., 370 Atlantic Ave., Boston, Mass.
Elastoid Fibre Co., The, Waltham, Mass.
Elaterite Paint & Mfg. Co., Des Moines, Ia.
Elaterite Varnish & Rubber Co., paints, waterproofing, etc., 55th & Alameda, Los Angeles, Calif.
Elba Mfg. Co., cottonseed meal, Charlotte, N. C.
Elba Products Co., canned goods, Batavia, N. Y.
Elbe File & Binder Co., Inc., 215 Greene St., New York.
Elbe Lumber & Shingle Co., Elbe, Wash.
Elbel Co., saddlery hdwe., Dept. H, 826 Mulberry Rd., Canton, Ohio.
Elbert & Co., oils, etc., 27 William, New York.
Elbert County Fertilizer Co., Elberton, Ga.
Elberta Crate Co., Bainbridge, Ga.
Elberton Brick Co., Elberton, Ga.
Elberton Granite Corp., Elberton, Ga.
Elberton Guano Co., Elberton, Ga.
Elberton Machine Wks., Elberton, Ga.
Elberton Oil Mills, Atlanta, Ga.
Elboeuf Knitting Co., bathing suit mfrs., Utica, N. Y.
Elbring Lumber Co., Arcade Bldg., St. Louis, Mo.
Elco Co., ship builders, Bayonne, N. J.
Elco Tool Corp., Rockford, Ill.
Elco Works, The, Ave. A, Bayonne, N. J.
Elcock & Sons, granite, W. Quincy, Quincy, Mass.
Elden, T. G., bolt, nut & rivet mfr., 115 Sycamore, Cincinnati, Ohio.
Elder & Henry, founders, Columbus, O.
Elder & Jenks (Brushes), 415 Vine, Philadelphia, Pa.
Elder Bros., see Elder Constr. Co. (successors).
Elder-Conroy Hardware Co., Clarksville, Tenn.
Elder Constr. Co., San Antonio, Texas.
Elder, J. E., Hardware Co., Clarksville, Tenn.
Elder, Jas. (Cordage), 230 W. Coulter St., Philadelphia, Pa.
Elder Mercantile Co., cornices & skylights, Ottawa, Kan.
Elder, W. F., Lumber Co., Macon, Ga.
Elderfield-Hartshorn Hdwe. Co., Niagara Falls, N. Y.
Eldora Pipe & Tile Co., Eldora, Ia.
Eldorado Brick Co., Eldorado, Ill.
Eldorado Foundry & Mach. Co., Eldorado, Ark.
El Dorado Lime & Mineral Co., 16 California, San Francisco, Calif.
Eldorado Lumber Co., Eldorado, Ark.
Eldorado Oil Mill & Fertilizer Co., Eldorado, Ark.
El Dorado Oil Works Co., 433 California St., San Francisco, Calif.
Elorado Packing Co., canners, Eldorado, Md.
El Dorado Sawmill Co., El Dorado, Ark.
Eldred, Anson, Co., paper & pulp mills, Stiles, Wis.
Eldred Mfg. Co., cigar lighters, 817 W. Washington, Chicago, Ill.
Eldred, Williard H., harness mfrs., Battle Creek, Mich.
Eldred Window Glass Co., Punxsutawney, Pa.
Eldredge Bros., Dexter, Me.
Eldredge Electric Mfg. Co., 3 Post Office Square, Springfield, Mass.
Eldridge, T. H., fertilizer mfrs., Norwich, Conn.
Eldridge, Wm. K., 203 Medical Arts Bldg., Indianapolis, Ind.
Eldt, Geo. M., soap, Tiffin, Ohio.
Elecdrive Mfg. Co., Inc., Syracuse, N. Y.
Electra Lightning Rod Co., 30 N. LaSalle St., Chicago.
Electra Lightning Rod Co., Cresco, Iowa.
Electric & Glass Spec. Wks., Toledo, Ohio.
Electric Alkaline Co., "Clorox" disinfectant, East Oakland, Calif.
Electric Alloy Steel Co., see Atlas Steel Corp. (successor).
Electric Apparatus Co., 704 N. Halsted St., Chicago.
Electric Appliance Co., Burlington, Kans.
Electric Appliance Company, 408-416 Canal St., New Orleans, La.
Electric Appliance Co., 701 W. Jackson Blvd., Chicago.
Electric Appliance Co., 807 Mission, San Francisco, Cal.
Electric Appliance Co. of Texas, Dallas, Tex.
Electric Arc Cutting & Welding Co., Inc., 52-56 Jelliff av., Newark, N. J.
Electric Auto Sales Corp., auto frames & trucks, Central Park, W. & 62nd, New York.
Electric Auto-Lite Corp., Mulberry & Champlain Sts., Toledo, O.
Electric Automatic Appliance Co., fire alarms, 1749 Arapahoe, Denver, Colo.
Electric Automatic Cigar Lighter Co., 556 W. 27th, New York.

ELECTRIC BLOWER CO., electric forge blowers, electric blowers & exhausters & electric ventilating fans, mfrs., 350 Atlantic av., Boston, Mass.

Electric Blue Print Co., 355 Minn., St. Paul, Minn.
Electric Boat Co., Groton, Conn.
Electric Cable Co., 10 E. 43rd St., New York.
Electric Cable Co., 480 Bunnell, Bridgeport, Conn.
Electric Carriage Call & Spec. Co., Canal pl. & 141st, New York.
Electric City Bedding Co., mattresses, 702 W. Lacka av., Scranton, Pa.
Electric City Brick Co., Augusta, Ga.
Electric Coal Mining Machinery Co., 343 S. Dearborn St., Chicago.
Electric Co., J. & H., Providence, R. I.
Electric Compound Co., soap powders, 211 W. 16th, Los Angeles, Calif.
Electric Const. & Machy Co., Rock Island, Ill.
Electric Construction & Motor Co., Findlay, Ohio.
Electric Contractors Supply Co., Des Moines, Ia.
Electric Controller Co., heating pads, 947 W. N. Y., Indianapolis, Ind.

ELECTRIC CONTROLLER & MFG. CO., switches, Cleveland, Ohio.

Electric Corp., The, 836 S. Los Angeles, Los Angeles, Calif.
Electric Dev. Corp., 315 Westlake N., Seattle, Wash.
Electric Emery Wheel Co., 827 Broad St., Newark, N. J.
Electric Engineering Co., 21 N. 6th, Minneapolis, Minn.
Electric Engrs. Equipment Co., 711 Meridian, Chicago.
Electric Fire Alarm Co., Sheboygan, Wis.
Electric Floor Surfacer Co., 220 W. 19th, New York.
Electric Fruit Marking Co., 120 E. Washington, Los Angeles, Calif.
Electric Furnace Co., The, 506 Alliance Bk. Bldg., Alliance, O.
Electric Furnace Co., Salem, Ohio.
Electric Furnace Construction Co., 1015 Chestnut St., Philadelphia.
Electric Garage, 311 23rd St., Galveston, Tex.
Electric Goods Mfg. Co., Canton, Mass.
Electric Hammer Corp., Tyler Bldg., Louisville, Ky.
Electric Heating Apparatus Co., electric furnaces, 18 Nesbit, Newark, N. J.
Electric Heating & Mfg. Co., cigar lighters, radiators, etc., Westlake & Republican, Seattle, Wash.
Electric Hoist & Derrick Co., Hog Island, Pa.
Electric Hoist Manufacturing Assn., 165 Broadway, New York.
Electric Horn & Spec. Co., Utica, N. Y.
Electric Hose & Rubber Co., Wilmington, Del.
Electric Lantern Corporation, 962 Mission, San Francisco, Calif.
Electric Machine Co., spark gaps, Pratt & Meridian, Indianapolis, Ind.
Electric Mach. Co., corn poppers, New Albany, Ind.
Electric Machinery Co., Plymouth Bldg., Minneapolis, Minn.
Electric Machy. Sales Co., 608 S. Dearborn, Chicago.
Electric Machinery Mfg. Co., 14th & Tyler St., N. E., Minneapolis, Minn.
Electric Manganese Steel Co., 117 W. Windsor St., Reading, Pa.
Electric Mfg. Co., The, 59 N. Montgomery, San Francisco, Calif.
Electric Mfg. Co., 966 Mission, San Francisco, Calif.

ELECTRIC MATERIALS CO., North East, Pa.

Electric Milker Corp., The, 3737 Belmont Ave., Chicago.
Electric Motor & Engineering Co., cutout boxes, 1410 2nd S. W., Canton, Ohio.
Electric Novelty Works, dies, cut gears & screw mach. prod., 965 Howard, San Francisco, Calif.
Electric Ozone Sterilizer Co. of America, Monadnock Bldg., Chicago.
Electric Porcelain & Mfg. Co., 747 New York Ave., Trenton, N. J.
Electric Power Equipment Corp., The, 412 N. 18th St., Philadelphia, Pa.
Electric Power Maintenance Co., 1101 Monroe St., Toledo, O.
Electric Products Co., Clarkstone Rd., The, Cleveland, O.
Electric Railway & Mfrs. Supply Co., 36-2nd St., San Francisco, Calif.

ELECTRIC RAILWAY EQUIPMENT CO., THE, 2900 to 2918 Cormany Ave., Cincinnati, O.

Pres.—Frank Andrew.
Gen. Mgr.—Robert Andrew.
Distributors and Representatives:
ALA.—Birmingham—J. T. Sudduth, 235 Brown Marx Bldg.
CALIF.—San Francisco—F. F. Bodler, 903 Monadnock Bldg., Garfield 350.
COLO.—Denver—O. H. Davidson Equipment Co., 1633 Tremont St., Main 6350.
ILL.—Chicago—Electrical Material Co., 158 W. Lake St., Main 3760.
Grayson Railway Supply Co., 600-1 LaSalle Bldg.
IND.—Terre Haute—Kester Electric Co., 420 North Third St., Wabash 426.
KY.—Harlan—Kentucky Mine Supply Co., River St.
Hazard—Virginia Supply Co., Railroad St., No. 275.
Madisonville—R. H. Moran & Co., 202 South Main St., No. 583.
Middlesboro—Kentucky Mine Supply Co., Cumberland Ave. & Fitzpatrick St., No. 214.
MASS.—Boston—Charles N. Wood Co., 948 Old South Bldg., Main 1890.
MICH.—Detroit—Detroit Railway Supply Co., 401 Equity Bldg.
MO.—Kansas City—Henry Nixon, 509 Mutual Bldg.
N. Y.—New York—Electric Railway Equipment Co., 30 Church St., Cortland 3389.
N. C.—Charlotte—Electric Supply & Equipment Co.
O.—Akron—Verne W. Shear & Co., Ohio Bldg.
Athens—Cooke Wilson Electric Supply Co., 6 N. Cemetery St., No. 319.
Cincinnati—Post Glover Electric Co., 308 W. Fourth St., Main 3.
PA.—Pittsburgh—Cooke Wilson Electric Supply Co., Imperial Power Bldg., Court 3630.
TENN.—Knoxville—C. M. McClung & Co., 501-521 W. Jackson Ave., No. 2600.
W. VA.—Bluefield—Bluefield Hardware Co., 200-208 Bluefield Ave., 35 & 36.
Charleston—Cooke Wilson Electric Supply Co., 919 Virginia St., Capitol 368.
CAN.—Montreal, Que.—Drummond McCall & Co.

Electric Railway Improvement Co., 2070 E. 61st pl., Cleveland, Ohio.
Electric Ry. Journal, 10th av. & 36th, New York.
Electric Record, trade publication, 461 8th av., New York.
Electric Reduction Co., 50 E. 41st St., New York.
Electric Refining Co., lubricating oils & greases, Toledo, O.
Electric Rotary Mach. Co., 3825 W. Lake, Chicago, Ill.
Electric Rubber Reclaiming Co., Barberton, Ohio.
Electric Sales Co., Savannah, Ga.
Electric Sales Co., electric fuses, 67 E. Gay, Columbus, Ohio.
Electric Sales Service Co., elec. heaters & enameling furnaces, 2532 6th, Berkeley, Calif.
Electric Sealing Machine Corp., 316 W. 31st St., New York.
Electric Service Co., Asbury Park, N. J.
Electric Service Co., commutator rings, 212 Walnut, Cincinnati, Ohio.
Electric Service Supplies Co., electrical railway supplies, Dept. H, 17th & Cambria, Philadelphia, Pa.

ELECTRIC SERVICE SUPPLIES CO., 17th and Cambria Sts., Philadelphia, Pa.

Pres.—C. J. Mayer.
V. P.—J. W. Porter, A. H. Englund.
Secy.—Max A. Berg.
Treas.—A. H. Englund.
Asst. Treas.—E. B. Ross.
Sales Mgr.—H. G. Lewis.
Elec. Engr.—J. R. McFarlin.
Adv. Mgr.—L. B. Gawthrop.
Asst. Sales Mgr.—G. W. Cox.
Factory Mgr.—Paul Campbell.
Pur. Agt.—C. B. Harvey.
Shipping Dept.—G. C. Hart.
Boston, Mass.—88 Broad St.
Chicago—Monadnock Bldg.
New York—50 Church St.
Pittsburgh, Pa.—829 Oliver Bldg.
Scranton, Pa.—316 N. Wash. Ave.
Distributors and Representatives:
ALA.—Birmingham—Interstate Electric Co. of Ala.
CALIF.—Los Angeles—Western Electric Co.
San Francisco—Electric Appliance Co., 807 Mission, Sutter 4900.
Western Electric Co., 680 Folsom, Sutter 6546.
COLO.—Denver—Hendrie & Bolthoff Mfg. Sup. Co.
Mountain Electric Co.
Western Electric Co.
CONN.—Hartford—Electric Sup. & Equip. Co.
New Haven—James T. Hessell Co.
Hessell & Hoppen Co.
Western Electric Co.
DEL.—Wilmington—Garrett-Miller & Co.
D. C.—Washington—Carroll Electric Co.
Doubleday-Hill Electric Co.
National Electric Supply Co.
FLA.—Jacksonville—Holt Electric Co.
GA.—Atlanta—W. E. Carter Electric Co.
Southern Electric Supply Co.
Western Electric Co.
Savannah—Western Electric Co.
ILL.—Chicago—American Electrical Sup. Co., 117 S. Morgan, Haymarket 3804.
Central Electric Co., 320 S. Wells St., Wabash 2160.
Electric Appliance Co., 701 W. Jackson, Monroe 5020.
Electric Service Supplies Co., 53 W. Jackson, Harrison 0995.
Hibbard, Spencer-Bartlett Co., 303 N. State, Central 7280.
Illinois Electric Co., 314 W. Madison, Main 4450.
Inland Electric Co., 14 N. Franklin St., Main 4820.
Manhattan Elect. Supply Co., 112 S. Wells St., Franklin 2081.
Monarch Elec. & Wire Co., 622 W. Adams St., Monroe 4949.
Western Electric Co., 500 Clinton St., Wabash 3000.
Peoria—U. S. Elect. Supply Co.
IND.—Fort Wayne—Luxam Electrical Supply Co.
Protective Elect. Supply Co.
Indianapolis—Indianapolis Elec. Sup. Co.
Varney Elect. Supply Co.
IA.—Cedar Rapids—J. B. Terry Co.
Des Moines—Downing Electric Co.
Electric Contractors Supply Co.
Dubuque—Crescent Electric Sup. Co.
KY.—Louisville—Clark Electric Co., James Jr. H. I. Wood Electric Co.
LA.—New Orleans—Electric Appliance Co.
Interstate Electric Co.
Western Electric Co.
Shreveport—Interstate Electric Co.
MD.—Baltimore—Baltimore Electrical Sup. Co.
Chesapeake Electric Co.
Southern Electric Co.
MASS.—Boston—Geo. H. Buckminster Co., 59 Oliver, Main 2453.
Foster-McDonald Co., 176 Congress, Congress 2606.
F. S. Hardy Co., 351 Congress, Congress 1528.
McKenney & Waterbury Co., 181 Franklin, Main 6977.
Pettingell-Andrews Co., 511 Atlantic Ave., Congress 4200.
Stuart-Howland Co., 234 Congress, Congress 3400.
Geo. H. Wahn, 69 High St., Congress 0430.
Wetmore-Savage Co., 76 Pearl St., Congress 1900.
Western Electric Co., 385 Summer, Congress 2500.
Pittsfield—Mountain Electric Sup. Co.
MICH.—Detroit—Western Electric Co., 1947 E. Kirby, Melrose 3321.
Grand Rapids—Litscher Electric Co.
Saginaw—Electric Supply Co.
Morley Bros.
MINN.—Duluth—Duluth Electrical Sup. Co.
Marshall-Wells Hdwe. Co.
Minneapolis—Northland Electric Supply Co.
Western Electric Co.
St. Paul—Electric Supply Co.
Northwestern Elec. Equip. Co.
Price Electric Co.
St. Paul Electric Co.
Western Electric Co.

(Continued on following page)

ELECTRIC SERVICE SUPPLIES CO.—Continued.
MISS.—Hattiesburg—Cabell-Irby Co.
MO.—Kansas City—B-R Electric Co., 1411 Walnut, Harrison 7450.
Central States Electric Co., 1414 Grand, Grand 4351.
St. Joseph—American Electric Co.
Funsten Electric Co., 1310 Wyandotte, Grand 1070.
Satterlee Electric Co., 1717 Walnut St., Grand 1001.
Western Electric Co., 608 Wyandotte, Main 4942.
St. Louis—Commercial Elec. Supply Co., 320 S. Broadway, Main 1292
Wesco Supply Co., 7th & Clark, Main 3470.
Western Electric Co., Planters Bldg., Main 3870.
NEB.—Lincoln—Enterprise Electric Co.
Korsmeyer Co.
Omaha—McGraw Co.
Mid West Electric Co.
Western Electric Co.
N. J.—Newark—Western Electric Co.
N. Y.—Buffalo—McCarthy Bros. & Ford, 75 W. Mohawk, Seneca 8500.
Robertson-Cataract Elec. Co., 126 S. Elmwood, Seneca 5100.
New York—Alpha Electric Co., 151 W. 30th St., Pennsylvania 3400.
Burnet Co., 69 South St., John 0199.
Cornelius-Scott-Sargeant.
Electric Service Sup. Co., 50 Church St., Cortland 0473.
Northwestern Electric Equip. Co.
Sibley-Pitman Elec. Corp., 190 6th Ave., Watkins 3800.
Stanley & Patterson, 23 Murray, Canal 5200.
Western Electric Co., 195 Broadway, Cortland 7700.
Rochester—Rochester Elecl. Supply Co.
N. C.—Asheville—Piedmont Electric Co.
Charlotte—Carolina States Electric Co.
Electric Supply & Equip. Co.
Mill Power Supply Co.
OHIO—Cincinnati—Milnor Electric Co.
Post Glover Electric Co.
Western Electric Co.
Cleveland—Erner Electric Co.
Lockwood, Luetkemeyer Co., Henry.
Mid West Electric Supply Co.
Republic Electric Co.
Western Electric Co.
Columbus—Erner & Hopkins Co.
Sackett Mine Supply Co.
Dayton—Wm. Hall Electric Co.
Mansfield—Ohio Brass Co.
Toledo—Bissell Co., F.
Nagel Electric Co., W. G.
PA.—Erie—Star Electrical Co.
Harrisburg—Harrisburg Electric Supply Co.
Philadelphia—Buchanan Supply Co., 1715 Chestnut St., Spruce 5510.
Elliott-Lewis Electrical Co., Inc., 1017 Race, Walnut 4601.
Jones, Beach & Co., 50 N. 7th St., Lombard 7780.
Philadelphia Elec. Co., Supply Dept., 10th & Chestnut St., Walnut 4700.
H. C. Roberts Elec. Sup. Co., 11th & Race, Filbert 5850.
Rumsey Electric Co., 1007 Arch, Walnut 6260.
F. H. Stewart Electric Co., 37 N. 7th St., Lombard 7740.
Walker & Kepler, 531 Chestnut St., Lombard 1387.
Western Electric Co., 1601 Glenwood, Columbia 0217.
Pittsburgh—Cooke-Wilson Electric Sup. Co., Imperial Power Bldg., Court 3630.
Dickenson Co., State Bldg., Grant 6148.
Doubleday-Hill Electric Co., 719 Liberty, Grant 1575.
Electric Service Supplies Co., Oliver Bldg., Atlantic 0800.
Iron City Electric Co., 4627 Baum, Schenly 4890.
McCullough Elec. Co.
Robbins Elec. Co.
Union Electric Co.
Western Electric Co.
Punxsutawney—Haese Electric Co.
Reading—Electric Supply & Equip. Co.
Scranton—O. I. Eberhardt.
Electric Supply & Equip. Co.
York—Geo. F. Motter's Sons.
R. I.—Providence—Boss Electrical Supply Co.
Union Electric Supply Co.
S. D.—Sioux Falls—Tri State Electric Co.
TENN.—Electric Supply Co.
TEX.—Dallas—Electric Appliance Co.
Houston—Empire Electric Co.
UTAH—Salt Lake City—Intermountain Electric Co.
Western Electric Co.
VA.—Norfolk—Atlantic Electric Co., Inc.
Woodhouse Electric Co.
Richmond—Tower-Binford Elec. Mfg. Co.
Western Electric Co.
WASH.—Seattle—Western Electric Co.
W. VA.—Charleston—Charleston Electrical Supply Co.
Huntington—Banks Supply Co.
Wheeling—Gee Electric Supply Co.
WIS.—Milwaukee—Julius Andrae & Sons Co.
LaCrosse—Roosevelt Electric Co.
CANADA—Toronto, Ont.—Lyman Tube Supply Co.
Montreal, Que.—Lyman Tub & Supply Co.

Electric Signal Mfg. Co., Orange, Mass.
Electric Smelting & Aluminum Co., Lockport, N. Y.
Electric Smelting Corp., 450 Main, San Francisco, Calif.
Electric Specialties Co., irons & toasters, Benton Harbor, Mich.
Electric Specialty Co., Stamford, Conn.
Electric Specialty Co., 323 Main St., Cresco, Ia.
Electric Steel & Forge Co. (Formerly The Crucible Steel Forge Co.), 6600 Grant Ave., S. E., Cleveland, O.
Electric Steel & Metals Co., Ltd., Welland, Ont., Can.
Electric Steel Co., Inc., Jones Law Bldg., Pittsburgh, Pa.
Electric Steel Co. (now Nugent Steel Castings Co.), Chicago.
Electric Steel Co. of Indiana, C. H. & D. R. R. & Maine Speedway, Indianapolis, Ind.
Electric Steel Foundry, 24th & York Ave., Portland, Ore.

ELECTRIC STORAGE BATTERY CO., Allegheny Ave. & 19th St., Philadelphia, Pa.
Pres.—Herbert Lloyd.
2nd V. P.—John R. Williams.
3rd V. P.—Bruce Ford.
Chief Eng.—J. Lester Woodbridge.
Gen. Sales Mgr.—H. B. Gay.
Mgr. Ry. Sales—W. H. Palmer, Jr.
Mgr. Motive Power Sales—W. Van C. Brandt.
Mgr. Automotive Sales—F. T. Kalas.
Mgr. Isolated Plant—W. H. Palmer, Jr.
Atlanta, Ga.—Baker & Peachtree Sts., Chas. W. Bell, Mgr.
Boston, Mass.—718-720 Beacon St., Frank J. Stone, Mgr., T. H. Dooling, Asst. Mgr.
Chicago—Marquette Bldg., G. H. Atkin, Dist. Mgr., T. Milton, Mgr.
Cincinnati, O.—Provident Bank Bldg., H. B. Hamilton, Mgr.
Cleveland, O.—Chester Ave. & E. 24th St., H. F. Sauer, Mgr.
Denver, Col.—1420-24 Wazee St., J. N. Rosholt, Mgr.
Detroit, Mich.—5740 Cass Ave., H. G. Carron, Mgr., C. W. Terry, Dist. Mgr.
Kansas City, Mo.—123-137 Belmont Ave., J. A. Gould, Mgr.
Minneapolis, Minn.—3 North 15th St., P. G. Downton, Mgr.
New York—23 West 43rd St., F. L. Kellogg, Dist. Mgr., F. F. Sampson, Mgr.
Philadelphia, Pa.—671-673 N. Broad St., W. C. Hooven, Mgr., F. T. Kalas, Dist. Mgr.
Pittsburgh, Pa.—Keystone Bldg., R. A. Whetstone, Jr., Mgr.
Rochester, N. Y.—642 Plymouth Ave., So., W. B. Bowie, Mgr.
St. Louis, Mo.—1058 S. Vandeventer Ave., T. P. O'Malley, Mgr.
San Francisco, Cal.—1536 Bush St., George R. Murphy, Mgr. Pacific Dist. Mgr.
Seattle, Wash.—1041 Railroad Ave., So., G. D. Luther, Mgr.
Washington, D. C.—1823 L. St., N. W., R. Whitehurst, Mgr.

Electric Storage Supply Co., batteries, 165 Beacon, Somerville, Mass.
Electric Supply & Equipment Co., Hartford, Conn.
Electric Supply & Equipment Co., 1270 Broadway, New York. (Now Wodack Electric Tool Corp.)
Electric Supply & Equipment Co., Charlotte, N. C.
Electric Supply & Equipment Co., Reading, Pa.
Electric Supply & Equip. Scranton, Pa.
Electric Supply & Fixture Co., Walla Walla, Wash.
Electric Supply Co., Saginaw, Mich.
Electric Supply Co., St. Paul, Minn.
Electric Supply Co., 16 S. Lauderdale Ave., Memphis, Tenn.
Electric Supply Co., armature rewinding & commutator refilling, Charleston, S. C.
Electric Supply Co., sockets, incandescent lamps, Sioux City, Ia.
Electric Supply Co., storage batteries, 819 Prospect av., Cleveland, O.
Electric Tachometer Co., The, 310 N. 11th St., Philadelphia, Pa.
Electric Tamper & Equipment Co., 80 E. Jackson Blvd., Chicago.
Electric Time Recorder Co., 3222 N. Halsted St., Chicago.
Electric Tool Repair & Maintenance Co., 23-27 So. Jefferson St., Chicago. (Now Wodack Electric Tool Corp.)
Electric Vacuum Cleaner Co., Inc., N. P. Ry. & Ivanhoe Rd., Cleveland, O.
Electric Water Sterilizer & Ozone Co., Scottdale, Pa.
Electric Welding Co., 905-6-7-8 Century Bldg., Pittsburgh, Pa.
Electric Welding Co., The, 2114-16 Superior Viaduct, Cleveland, O.
Electric Welding Co. of America, The, Foot of Court St., Brooklyn, N. Y.
Electric Welding Machine Co., 2000 E. Larned St., Detroit, Mich.

ELECTRIC WHEEL CO., Station D, Quincy, Ill.
Electrical & Mechanical Mfg. Co., draw bars & irrigation valves, 206 Park blvd., Fresno, Calif.
Electrical Alloy Co., The, Morristown, N. J.
Electrical Appliance Mfg. Co., 568 Watertown Ave., Waterbury, Conn.
Electrical Dealers Supply House, Inc. (now Mohawk Electric Corp.), Chicago.
Electrical Decorative Flower Co., 140 W. 116th, New York.
Electrical Development & Mach. Co., 221 N. 23rd St., Philadelphia, Pa.
Electrical Engng. Co., instrs., 21 N. 6th, Minneapolis, Minn.
Electrical Engineers Equip. Co., 711 Meridian St., Chicago.
Electrical Equipment Co., Butte, Mont.
Electrical Equipment Co., Ltd., 454 St. James St., Montreal, Que., Can.
Electrical Industries Mfg. Co., 328 W. 41st, New York.
Electrical Machinery & Specialty Co., 110 S. 10th St., St. Louis, Mo.
Electrical Machinery Sales Co., 608 S. Dearborn St., Chicago.
Electrical Mfg. Co., St. Clair and W. 2nd St., Cleveland, O.

ELECTRICAL MATERIAL CO., 158 W. Lake St., Chicago.
Electrical Mechanical Specialties Co., models, 24 12th, San Francisco, Calif.
Electrical Merchandising, trade publication, 10th av. & 36th, New York.
Electrical Porcelain Works, insulators, switch boxes & tubing, 2416 6th, Berkeley, Calif.
Electrical Products Corp., elec. illum. signs, 1128 W. 16th, Los Angeles, Calif.
Electrical Products Mfg. Co., electrical door openers, 69 Sprague, Providence, R. I.
Electrical Refrigerating Co., Inc., 130 E. 15th St., New York.
Electrical Review, trade publication, Monadnock block, Chicago, Ill.
Electrical Sales Co., 9 S. Clinton St., Chicago.
Electrical Sales Co., fire alarms, elec. bells & horns, 261 Franklin, Boston, Mass.
Electrical Spec. Co., 83 E. Long av., Columbus, Ohio.
Electrical Testing Co., storage battery charging sets, Peoria, Ill.

ELECTRICAL TESTING LABORATORIES, 80th St. and East End Ave., New York.
Gen. Mgr. & Sec.—Preston S. Millar
Chief Engr.—F. M. Farmer.
Tech. Director & V. P.—Clayton H. Sharp.

Electrical World, trade publication, 10th av. & 36th, New York.
Electro Alkaline Co., see Clorox Chemical Corp. (successor).
Electro Bleaching Gas Co., 18 E. 41st St., New York.
Electro Chemical Co., 111 Court St., Dayton, O.
Electro-Chemical Engraving Co., 450-58 19th St., Brooklyn, N. Y.
Electro Chem. Supply & Engng. Co., 20 S. 15th, Philadelphia, Pa.
Electro Dental Mfg. Co., heaters, surgical instruments, etc., 33rd & Arch, Philadelphia, Pa.
Electro Dynamic Co. of N. J., The, Ave. A, Bayonne, N. J.
Electro Importing Co., 233 Fulton, New York.
Electro-Kold Corp., 151 S. Post, Spokane, Wash.
Electro Magnetic Tool Co., 19th St. and 52nd Ave., Cicero, Ill.
Electro-Mechanical Co., 432 N. Calvert St., Baltimore, Md.

ELECTRO-METALLURGICAL SALES CORP., Carbide & Carbon Bldg., 30 E. 42nd st., New York.
Electro Metallurgical Co., Niagara Falls, N. Y.
Electro Metals, Ltd., Welland, Ont., Can.
Electro Silicon Co., 30 Cliff St., New York.
Electro Smelting & Alloy Co., ingots, 1111 E. 11th, Oakland, Calif.
Electro Steel Co., elec. furnace, Curry Bldg., Pittsburgh, Pa.
Electro-Stylograph Co., The, 17 Madison Ave., New York.
Electro Sun Co., Inc., 161 Washington St., New York.
Electrolabs Company, The, 2635 Penn Ave., Pittsburgh, Pa.
Electrolytic Engineering Corp., 300 Madison Ave., New York.
Electromechanical Co., armatures, 432 N. Calvert, Baltimore, Md.
Electron Chemical Co., 31½ Exchange St., Portland, Me.
Electrose Mfg. Co., 70 Washington St., Brooklyn, N. Y.
Electrova Co., pianos, 117 Cypress av., New York.
Ele-Kem Co., see Bell & Gossett Co. (successors).
Elenbrok, Caroline, masons' & bldrs.' matls., 2104 Fkd. av., Baltimore, Md.
Elevator Efficiency Appliance Co., Inc., 275 Water St., New York.
Elevator Locks Co., Peoria, Ill.
Elevator Roller Mills Co., flour, Columbus, Neb.
Elevator Signal Co., 116 West, New York.
Elevator Supplies Co., Inc., 1515 Willow Ave., Hoboken, N. J.
Elford, Edw., contrs., 307 E. Gay, Columbus, Ohio.
Elgar, Jas., Inc., interior hardwood, 250 W. 57th St., New York.
Elgin Brass & Electrical Mfg. Co., machsts. & fndrs., Elgin, Ill.
Elgin Brass Co., 207 Pearl, New York.
Elgin-Butler Brick & Tile Co., Elgin, Tex.
Elgin Butler Brick & Tile Co., Austin, Tex.
Elgin Butter Tub Co., Elgin, Ill.
Elgin Canning Co., Elgin, Ia.
Elgin Cotton Oil Co., meal, Elgin, Tex.
Elgin Gas Engine & Mach. Co., Elgin, Ill.
Elgin Metal Novelty Co., Elgin, Ill.
Elgin Motor Car Corp., Argo, Ill.
Elgin Motors, Inc., of Indianapolis, Indianapolis, Ind.
Elgin National Soap Co., Elgin, Ill.
Elgin National Watch Co., Elgin, Ill.
Elgin Packing Co., Elgin, Ill.
Elgin Silver Plate Co., hdwe., casket trimmings, Elgin, Ill.
Elgin-Standard Brick Mfg. Co., Elgin, Tex.
Elgin Stove & Oven Co., Elgin, Ill.
Elgin Street Sweeper Co., Elgin, Ill.
Elgin Tool Works, Elgin, Ill.
Elgin Machine Works, 408 N. Crystal, Elgin, Ill.
Elgin Mfg. Co., machsts. & fndrs., Elgin, Ill.
Elgin Tractor Corp., Piqua, Ohio.
Elgin Wind, Power & Pump Co., Elgin, Ill.
Eli Bridge Co., elec. light plant, Jacksonville, Ill.
Elias & Bros., Inc., G., 965 Elk St., Buffalo, N. Y.
Elias & Co., Joseph, 630 Jackson Ave., Long Island City, N. Y.
Elias & Lowenstein, 412 Elm St., Cincinnati, O.
Eliason, J. T. & L. E., lumber, masons' & bldrs. matls.' New Castle, Del.
Elin Auto Supply Co., Newark, N. J.
Eliot Mills, Inc., cotton & jute felt & cotton shoddy mfrs., 184 Summer, Boston, Mass.
Elite Button Co., 220 W. 19th, New York.
Elite Machine Works, 480 6th, San Francisco, Calif.
Elite Mfg. Co., cut glassware, wood novelties, Aldenville, Pa.

ELITE MANUFACTURING CO., 110 Ohio St., Ashland, O.
Partners—J. L. Burkholder, P. E. Countryman, E. L. Kilhefner.
Dallas, Tex.—The Carroll Co.
Nashville, Tenn.—L. E. Spencer Co.
New York—The Motor Products Co., 149 Church St., Barclay 5039.
St. Paul, Minn.—G. A. Ashton Co., 1547 University Ave., Midway 2492.
San Francisco, Cal.—A. E. Mohrig, 1521 Van Ness, Prospect 280.

Elite Polish Co., New Kensington, Pa.
Elite Pottery Co., Enterprise Ave., Trenton, N. J.
Elite Vacuum Cleaner Mfg. Co., Kesner Bldg., Chicago, Ill.
Elitsac Mfg. Co., lumber mfrs., Castile, N. Y.
Elixman Paper Core Co., Inc., Corinth, N. Y.
Elizabeth City Brick Wks., Elizabeth City, N. C.
Elizabeth City Iron Works & Supp. Co., Elizabeth City, N. C.
Elizabeth Cornice Wks, 27 S. Union St., Elizabeth, N. J.
Elizabeth Hdwe Co, 1186 E Grand Ave., Elizabeth, N. J.
Elizabeth Iron Wks., Norfolk, Va.
Elizabeth Mach. & Iron Wks., castings, Elizabeth, N. J.
Elizabeth Mills, cotton thread, Hills Grove, R. I.
Elizabeth Sash, Door & Supply Co., Elizabeth, N. J.
Elizabeth Street Fndry., 5837 S. Elizabeth, Chicago, Ill.
Elizabethton Flooring Co., Elizabethton, Tenn.
Elizabethtown Gas Light Co., water, gas, tar, Elizabeth, N. J.
Elizabethtown Milling Co., Elizabethtown, Ky.
Eljer Co., Cameron, W. Va.
Eljer Co., plumbers' sanitary earthenware, Ford City, Pa.
Elk Engng. Wks., machsts. & fndrs., St. Marys, Pa.
Elk Eye Milling Co., McConnellsville, Ohio.
Elk Fire Brick Co., St. Mary's, Pa.
Elk Graphite Milling Co., St. Mary's, Pa.
Elk Mfg. Co., terminals, 215 4th av., New York.
Elk Ridge Coal & Coke Co., Northfolk, W. Va.
Elk River Mill & Lbr. Co., Falk, Calif.
Elk Tanning Co., machinists & fndrs, Ridgway, Pa.
Elkan & Co., H., 10 W. Austin Ave., Chicago.
Elkert Bros., leather, 1674 Booth, Milwaukee, Wis.

ELKHART BRASS MFG. CO., 1302 W. Beardsley Ave., Elkhart, Ind.
Pres.—Albert E. Hansen.
V. P.—E. H. Hansen.
Sec.—L. Lavender.
Distributors:
ALA.—Birmingham—Moore & Handley Hdwe. Co.
Young & Vann Supply Co., M. 5061.
Mobile—Turner Supply Co., Exchange 2235.
(Continued on following page)

ELKHART BRASS MFG. CO.—Continued.
ARK.—Little Rock—Central Supply Company.
Thos. Cox & Sons Machy. Co.
Hollis & Company.
Mills & Lupton Co.
Pine Bluff—Arkansas Mill Supply Company.
CALIF.—Los Angeles—Bennett Rubber Company.
F. S. & W. W. Hirsch Co.
Los Angeles Rubber Co.
Pacific Fire Extinguisher Co.
Warren & Bailey Company.
San Francisco—American Rubber Mfg. Co., 417 Market, Sutter 878.
Foard-Barston Co., 101 Barston Co., 101 Drumm, Karny 1248.
New York Belting & Packing Co., 519 Mission, Douglas 1837.
Pacific Fire Extinguisher Co., 440 Howard, Sutter 767.
Plant Rubber & Asbestos Works, 537 Brennan, Sutter 2100.
COLO.—Denver—Hendrie & Bolthoff Mfg. & Supply Co.
Mountain States Rubber Co.
M. J. O'Fallon Supply Co.
Julius Pearse Fire Department & Supply Co.
FLA.—Jacksonville—Cameron & Barkley Co.
Goodyear Tire & Rubber Co.
H. W. Hebb Supply Co.
Tampa—Cameron & Barkley.
GA.—Atlanta—Beck & Gregg Hdwe. Co.
Crawford & Slaten.
Fulton Supply Co.
General Fire Extinguisher Co.
J. M. Tull Rubber & Supply Co.
ILL.—Chicago—Geo. B. Carpenter Co., 436 N. Wells St., Franklin 6000.
H. Channon Co., 149 Market St., Franklin 6161.
Mechanical Rubber Co., 2639 W. Grand Ave., West 0684.
New York Belting & Packing Co., 124 W. Lake St., Main 0815.
W. H. Salisbury Co., 308 W. Madison, Franklin 5744.
KY.—Louisville—Belknap Hdwe. Co.
The Laib Co.
Standard Sanitary Mfg. Co.
LA.—New Orleans—Dixie Mill Supply Co.
Globe Supply & Machinery Co.
Standard Supply & Hdwe. Co.
Whitney Supply Co.
Woodward, Wight Co.
Shreveport—Gulf States Belting & Hose Co.
MD.—Baltimore—Geo. P. Thomas, Jr.
MICH.—Charlotte—Robinson Distributing Co.
Detroit—Bockstanz Bros. Co., 131 W. Woodbridge, Main 0631.
H. D. Edwards Co., 175 E. Larned, Maine 1001.
Ohio Rubber & Textile Co., 158 W. Larned, Cadillac 0570.
J. T. Wing & Co., 129 Woodward, Cherry 4820.
MINN.—Duluth—Kelly-How-Thomas Co.
Marshall-Wells Co.
Minneapolis—J. N. Johnson Co.
W. S. Nott Co.
Plant Rubber Co.
St. Paul—Waterous Engine Works.
MO.—Kansas City—Gustin-Bacon Mfg. Co., 1416 W. 12th St., Main 6416.
United States Rubber Co., 313 W. 8th St., Main 7125.
Western Fire & Water Supply Co., Hyde Park 3382.
St. Louis—Capen Belting & Rubber Co., 21 N. 1st St., Olive 4365.
Day Rubber Co., Merch.-Lac Bldg., Main 1577.
Empire Tire & Rubber Corp., 311 N. 2nd St., Olive 1092.
General Mfg. Co., 1801 Pine, Boment 278.
Goodyear Rubber Co., 1103 Washington, Central 1001.
K-M Supply Co.
N. O. Nelson Mfg. Co., 928 Chestnut, Main 3620.
NEBR.—Omaha—Anderson Co.
N. Y.—Buffalo—Buffalo Fire Appliance Co., 44 Central Ave., Jefferson 5120.
Hewitt Rubber Co., 240 Hensington Ave., Crescent 0860.
Syracuse—United States Rubber Co.
OHIO—Cincinnati—Ahrens Fox Fire Engine Co.
Columbus—Columbus Supply Co.
Ross-Willoughby Co.
OKLA.—Oklahoma City—Fire Appliance & Supply Co., Walnut 1053.
ORE.—Portland—Howard Cooper Corp.
A. G. Long Co.
PA.—Pittsburgh—W. E. Brosius Co., Fulton Bldg., Smithfield 0339.
Republic Rubber Co., 953 Liberty Ave., Grant 0244.
United States Rubber Co., 110 7th St., Smithfield 0100.
Voorhees Rubber Co., 104 2nd Ave., Berger 32.
TENN.—Chattanooga—James Supply Co.
Mills & Lupton Co., Main 6255.
Rogers Bailey Hdwe. Co.
TEX.—Beaumont—Norvell-Wilder Co.
E. L. Wilson Hdwe. Co.
Dallas—Reaney & Tobey Co., Y 1885.
Fort Worth—Axtell Co.
Fort Worth Well Machinery & Supply Co.
Houston—Standard Sanitary Mfg. Co.
W. H. Steigerwald Co., Inc., Phone 2400.
San Antonio—Alamo Iron Works.
Burke & Simms.
UTAH—Salt Lake City—Geo. E. Bywater Co.
Mountain States Rubber Co.
F. C. Richmond Machy.
Salt Lake Hdwe. Co.
WASH.—Everett—The Lloyd Co.
Seattle—Seattle Belting & Supply Co., Elliott 4351.
Seattle Hdwe. Co.
Steam Supply & Rubber Co., Main 0617.
Spokane—Northwestern Fire Apparatus, Main 1854.

Elkhart Bridge & Iron Co., Elkhart, Ind.
Elkhart Carriage & Motor Car Co., Elkhart, Ind.
Elkhart Fdry. & Mach. Co., Elkhart, Ind.
Elkhart Hdwe. Mfg. Co., Elkhart, Ind.
Elkhart Iron Wks., Elkhart, Ind.
Elkhart Junk Co., scrap iron, Elkhart, Ind.
Elkhart Mfg. Co., gas igniters, Monroe, Mich.
Elkhart Motor Supply Co., Elkhart, Ind.
Elkhart Rubber Works, Elkhart, Ind.
Elkhart Stamping & Tool Co., Montpelier, Ohio.
Elkhorn Coal Corp., Bankers Tr. Bldg., New York.
Elkhorn Piney Coal Mining Co., 425 E. Water, Milwaukee, Wis.
Elkhorn Lumber Co., Elkhorn, Wis.
Elkhorn Mill Co., lbr., Bluecreek, Wash.
Elkin Buggy Co., carriages, Elkin, N. C.
Elkin Canning Co., Elkin, N. C.
Elkin Roller Mills, Elkin, N. C.
Elkin Veneer & Mfg. Co., Elkin, N. C.
Elkins Box Co., Elkin, N. C.
Elkins Brick Co., Elkins, W. Va.
Elkins Fndry. & Mach. Co., Elkins, W. Va.
Elkins Refrigerator & Fixt. Co., Elkins, W. Va.
Elkonite Soap Co., 3d & Centre, Oakland, Calif.
Elkus Co., umbrellas, 729 Mission, San Francisco, Calif.
Ella Mfg. Co., cotton sheeting, Shelby, N. C.
Ellanam Adjustable Dress Form Co., 380 Throop av., Brooklyn, N. Y.
Ellard, W. B., masons' & bldrs.' matls., Cornelia, Ga.
Ellaville Guano Co., Ellaville, Ga.
Ellcon Co., The (Railway Supplies), 50 Church St., New York.
Elledge & Norman Marble Co., Columbus, Ga.
Elledge, M. M., Lbr. Co., Corinth, Miss.
Ellenberger & MacNeal, lumber, Towanda, Pa.
Ellensburg Lbr. Co., Ellensburg, Wash.
Ellenton Fertilizer Co., Ellenton, S. C.
Ellenwood & Doyle, 29 Great Jones St., New York.
Eller, A. J., flour mills, Hillsdale, Tenn.
Eller, Chas., machst. & fndr., Fort Scott, Kan.
Eller Mfg. Co., 1106-1200 E. 5th St., Canton, O.
Ellerman & McLean, contrs., Yankton, S. Dak.
Ellert & Lahr, architects, World-Herald bldg., Omaha, Neb.
Ellert, C. H., 1200 S. 1st Ave., Evansville, Ind.
Ellery Knitting Mills, sweaters, cardigans, etc., 251 Stockton, Brooklyn, N. Y.
Elifeldt Hardware & Machinists Supply Co., 1219 McGee St., Kansas City, Mo.
Ellicott Brick Co., Jewettville, N. Y.

ELLICOTT MACHINE CO., hydraulic dredge mfrs., 1111 Bush, Baltimore, Md.

Ellicottville Milling Co., lumber mfrs., Ellicottville, N. Y.
Elliff, J. L., Anderson, Mo.
Ellingsen & Erickson, architects, Duluth, Minn.
Ellingson, E., machst., Canton, S. D.
Ellingson Lumber Co., Hawkins, Wis.
Ellington & Guy, Inc., Richmond, Va.
Ellington Electric Co., Quincy, Ill.
Ellington, Miller Co., contrs., 417 S. Dearborn, Chicago, Ill.
Ellington Piano Co., Gilbert av., Cincinnati, Ohio.
Ellingwood Turning Co., pike poles, West Paris, Me.

ELLIOT FROG & SWITCH CO., 500 E. Main St., East St. Louis, Ill.
Pres.—W. H. Elliot.
Vice-Pres.—W. J. Fairback; D. Fairback.
Secy.—G. Elliot.
Houston, Tex.—G. F. Cotter Supply Co., C. G. Elliot.
Los Angeles, Cal.—Central Bldg., H. W. Renick.
Pueblo, Colo.—Elliot Frog & Switch Co., W. J. Fairback.
St. Paul, Minn.—George M. Kenyon Co., Geo. M. Kenyon.
San Francisco, Cal.—15 First St., H. W. Renick.

Elliot Machine Co., Calais, Me.
Elliot Woodworker Co., see Woodworker Mfr. Co. (successor).
Elliott & Barry Engng. Co., heating contrs., 1426H Olive, St. Louis, Mo.
Elliott & Co., Inc., A. S., 147 W. 23d St., New York.
Elliott & Co., meat packers, Duluth, Minn.
Elliott & Hall, cloth folders, Worcester, Mass.
Elliott & Harman Engng. Co., htg., engnrs., 144 Fredonia av., Peoria, Ill.
Elliott & Reid Co., Richmond, Ind.
Elliott Addressing Machine Co., Boston, Mass.
Elliott Addressing Machine Co., 114H Sansome, San Francisco, Calif.
Elliott, B. K., Co., machinsts. & fndrs. & power accessories, 126 6th, Pittsburgh, Pa.
Elliott Bay Mill Co., veneer panels, etc., 600 W. Spokane av., Seattle, Wash.
Elliott-Blair Steel Co., New Castle, Pa.
Elliott Brick Co., Jewettville, N. Y.
Elliott Bros., see Berry, Robert (successor).
Elliott Company, Frick Bldg., Pittsburgh, Pa.
Elliott Co., B. K., 126 6th St., Pittsburgh, Pa.
Elliott Co., The, 143 Albany St., Cambridge, Mass.
Elliott Contracting Co., McKay Bldg., Portland, Ore.
Elliott, D. J., machst. & fndr., Monte Vista, Colo.
Elliott, D. J., & Son, canned goods, Salisbury, Md.
Elliott, E. A., crutches, Rumney, N. H.
Elliott Electric Co., 322 Champlain, Cleveland, O.
Elliott Electric Co., Inc., Shreveport, La.
Elliott-Fisher Co., Harrisburg, Pa.
Elliott Foundry & Machine Wks., 1921 South Fairfield Ave., Chicago.
Elliott, G. W., & Co., machsts., De Smet, S. D.
Elliott, Hayden, & Co., masons' & bldrs.' matls, La Salle, Ill.
Elliott, J. & W. A., Co., contrs., Lumber Exchange, Minneapolis, Minn.
Elliott, John H., leather, 356 Adams, Newark, N. J.
Elliott, Jno., arch'l iron, 45 E. 42nd St., New York.
Elliott-Lewis Electrical Co., Inc., 1017 Race, Philadelphia, Pa.
Elliott Mach. Co., Calais, Me.
Elliott Mach. Co., Grand Rapids, Mich.
Elliott Service Co., elec. illum. signs, 244 W. 49th, New York.
Elliott-Thompson Electric Co., armature & field coils, Ajax Bldg., Cleveland, Ohio.
Elliott Varnish Co., 1009 S. Kolmar Ave., Chicago.
Elliott Water Heater Co., Inc., 1246 Myrtle Ave., Brooklyn, N. Y.
Elliott-Wean Lbr. Co., Toledo, Ohio.
Ellis & Cummings Oil Wks., Reading, Pa.
Ellis & Smith, broom & wood handles, Bleecker, N. Y.
Ellis & Sons, Clark, Milford, Mass.
Ellis & Sons, Wm. C. S., 245 S. Front St., Memphis, Tenn.
Ellis Adding-Typewriter Co., 338 Elizabeth Ave., Newark, N. J.
Ellis Bros., masons' & bldrs.' matls., Kokomo, Ind.
Ellis Bros. Printing Co., El Paso, Tex.
Ellis Canning Co., Brant, N. Y.
Ellis Carriage Works, Kingston, N. C.
Ellis Chas. H., & Son, insecticides, Port Chester, N. Y.
Ellis Drier & Elev. Co., The, 1223 S. Talman Ave., Chicago.
Ellis Flour Mills, Farmington, N. C.
Ellis-Foster Co., Montclair, N. J.
Ellis, Frank I., mill engineer, Farmers Bank Bldg., Pittsburgh, Pa.
Ellis, Frank Otis, lamp eye shields, Sandwich, Mass.
Ellis, Geo. D., & Sons Co., machsts. & fndrs., 309 N. 3d, Philadelphia, Pa.
Ellis, J. B., flour, Kittrell, N. C.
Ellis, Jno. E., contractors, Troy, N. Y.
Ellis Keystone Agricultural Wks., Pottstown, Pa.
Ellis Lbr. Co., masons' matls., Burlington, Iowa.
Ellis Mfg. Co., Millsdale, Conn.
Ellis, R. E., Engng. Co., production mach. & tools, 621 Wash'n blvd., Chicago, Ill.
Ellis, R. S., flour mill, Steprock, Ark.
Ellis, Sol., plbrs., supps., 2114 S. State, Chicago, Ill.
Ellis Time Stamp Co., 859 N. Franklin St., Chicago.
Ellis, T. M., & Co., flour mills, Russellville, Ky.
Ellis, Walter, sashes, doors & blinds, Stockport, Ohio.
Ellison & Co., htg. contrs., 211 E. 126th, New York.
Ellison & Sons Mfg. Co., Wm., 1020 N. 6th St., St. Louis, Mo.
Ellison Brass Mfg. Co., furniture trimmings, etc., Jamestown, N. Y.
Ellison Furn. & Carpet Co., Dept. H, Fort Worth, Tex.
Ellison, Lewis M., calorimeters, 214 W. Kinzie, Chicago, Ill.
Elliston Lime Co., Elliston, Montana.
Elliston Lime Co., Helena, Mont.
Ellms, H. E., & Co., sash, door & blind, 22 Washington, N. Boston, Mass.
Ellwood City Forge Co., Ellwood City, Pa.
Ellwood City Iron & Wire Co., Ellwood City, Pa.
Ellwood Fdry. & Mach. Shop, Ellwood City, Pa.
Ellwood Steel Co., Ellwood City, Pa.
Ellsworth & Filley, canned goods, Windsor, Conn.
Ellsworth & Thayer Mfg. Co., auto gloves, 338 B'way, Milwaukee, Wis.
Ellsworth Collieries Co., bituminous, Lackawanna, N. Y.
Ellsworth Fndry. & Mach. Wks., Ellsworth, Me.
Ellsworth Hardwood Co., toys, games & nov., Ellsworth, Me.
Ellsworth, M. D., & Co., lumber, Tavera, Wis.
Ellsworth Salt Co., Ellsworth, Kan.
Ellsworth, S. F., machsts., 40 S. 8th, Brooklyn, N. Y.
Ellsworth Woolen Mill, blankets, Ellsworth, Me.
Elmberg, E. F., Co., Inc., concrete mixers, 60 Main, Parkersburg, Iowa.
Elm City Cornice Wks., 207 Orchard, New Haven, Conn.
Elm City Cotton Mills, La Grange, Ga.
Elm City Lbr. Co., Newbern, N. C.
Elm Grove Milling Co., flour, Elm Grove, W. Va.
Elmendorf Varnish Co., 841 Larrabee St., Chicago.
Elmer & Moody Co., masons' matl., 2229 1st av., Seattle, Wash.
Elmer Co., Inc., J. O., New Orleans, La.

ELMES ENGINEERING WORKS, CHAS. F., Fulton & Sangamon Sts., Chicago.

Elmhurst-Chicago Stone Co., Elmhurst, Ill.
Elmira Arms Co., whol. sporting gds., Elmira, N. Y.
Elmira Boiler & Iron Wks., Elmira, N. Y.
Elmira Casket Co., Elmira, N. Y.
Elmira Commercial Motor Car Co., Owego, N. Y.
Elmira Cotton Mills Co., Burlington, N. C.
Elmira Foundry Co., Elmira, N. Y.
Elmira Knitting Mills, Elmira, N. Y.
Elmira Storage & Supply Co., mill & facty. supp., Elmira, N. Y.
Elmire Lbr. Co., Elmire, Ore.
Elmore, G. H., Wesley Bldg., 17th & Arch Sts., Philadelphia, Pa.
Elmore Ginning & Fertilizer Co., Laurinburg, N. C.
Elmore Milling Co., flour, Oneonta, N. Y.
Elmore Packing Co., Astoria, Ore.
Elmore Veneer Co., Conneaut, Ohio.
Elmore, Walter D., metal babbitt, Bessemer Bldg., Pittsburgh, Pa.
Elms, Jas., mill & facty. supplies, Auburn, Me.
Elmwood Box Co., 548 Smith St., Providence, R. I.
Elmwood Button Co., 420 Poplar, Bridgeport, Conn.
Elmwood Castings Co., Murray Rd., St. B., Cincinnati, O.
Elnora Packing Co., Elnora, Ind.
Eloesser, Heynemann Co., overalls, 87 Battery, San Francisco, Calif.
El Paso Brick Co., El Paso, Tex.
El Paso Bridge & Iron Co., El Paso, Tex.
El Paso Fdry. & Mach. Co., El Paso, Tex.
El Paso Gas Co., water-gas, tar, El Paso, Tex.
El Paso Grain & Milling Co., flour, El Paso, Tex.
El Paso Ice & Refrigerator Co., stone (crushed), El Paso, Tex.
El Paso Lumber Co., El Paso, Tex.
El Paso Sash & Door Co., El Paso, Tex.
Elpert, H., electrical machy. dlrs., 398 Atlantic, Boston, Mass.
Elphinstone, D. C., contractors' equip., Continental Bldg., Baltimore, Md.
El Reno Foundry & Machine Co., El Reno, Okla.
Elsberry Bros. & Miller, lbr., Mayo, Fla.
Elsemore & Jachos, contrs., Eureka, Calif.
Elsenhans Mach. Wks., 893 Washington, Buffalo, N. Y.
Elsey Canning Co., Elsey, Mo.
Elsey, G. E., Carriage Co., Springfield, Mo.
Elsie Products Corp., Duluth, Minn.
Elsinore Paper Co., 152 Wooster, New York.
Elsner, C. C., mill & facty. supps., Harvey, Ill.
Elsner, G. W., canned goods, Aberdeen, Md.
Elston Tel. & Mfg. Co., Muscoda, Wis.
Elterich, Chas., Co., machsts., 180 Lafayette, New York.
Elto Outboard Motor Co., 62 Mason, Milwaukee, Wis.
Elvin Mechanical Stoker Co., 50 Church St., New York.
Elwandw Mineral Company, Inc., 29 Broadway, New York.
Elway Miller Co., heating contrs., Aberdeen, Wash.
Elwell, C. A., seines & fish nets, Gloucester, Mass.
Elwell Glue Co., B. F., Main St., Rockport, Mass.
Elwell, H. F., Iron Wks., 284 Birnie av., Springfield, Mass.

ELWELL-PARKER ELECTRIC CO., THE, 4205 St. Clair av., Cleveland, O.
Gen. Sales Agts.—50 Church St., New York; L. C. & G. W. Brown.
Branch Offices:
Cal.—San Francisco, 200 Davis St., Sutter 1476.
Colo.—Denver, Tramway Bldg.
Conn.—New Haven, 902 Chapel St.
Fla.—Jacksonville.
Ill.—Chicago, 72 E. S. Water St., State 7340.
Ind.—Indianapolis.
Kans.—Kansas City.
Mass.—Boston, 261 Franklin St., Main 7682.
Mich.—Detroit, 5860 Case St., Northway 5470.
Mo.—St. Louis, Railway Exchange Bldg., Oliver 5673.
N. J.—Newark, 810 Broadway.
N. Y.—Buffalo, 1507 Hertel Ave. Crescent 4455.
O.—Cincinnati, 111 E. 4th St., Main 650.
Cleveland—4205 St. Clair St., Randolph 8260.
Pa.—Philadelphia, Land Title Bldg., Spruce 2110.
Pittsburgh—Park Bldg., Atlantic 2532.
Va.—Richmond, Mutual Bldg.
Wash.—Seattle.
Wis.—Milwaukee.
Can.—Montreal, Que.

Elwood Electric Co., 996 Housatonic, Bridgeport, Conn.
Elwood Fdy., grey iron castings, Elwood, Ind.
Elwood Gravity Gauge Co., Ellwood, Ind.
Elwood Lawn Motor Mfg. Co., Elwood, Ind.
Elwood Myers Co., advg. spec., Springfield, Ohio.
Elworthy, Helwick Co., contractors, Wimson Bldg., Cleveland, Ohio.

Ely & Williams Co., cans, boxes, 257 B'way, New York.
Ely Anode & Supply Co., Inc., 2 Rector St., New York.
Ely, C. Upham, 60 Vesey St., New York.
Ely Dredging & Construction Co., Savannah Bank & Trust Bldg., Savannah, Ga., and P. O. Box 88, Jacksonville, Fla.
Ely, E. C., Co., machsts. & fndrs., Leona, Pa.
Ely, Ethelbert, assayer, Dover, N. J.
Ely Lumber Co., Holyoke, Mass.
Ely Mfg. Co., Theo. J. Girard, Pa.
Elyria Belting & Machinery Co., Elyria, O.
Elyria Brass & Bronze Foundry Co., bushings, castings, etc., Walnut & B. & O. R. R., Elyria, Ohio.
Elyria Canning Co., Elyria, Ohio.
Elyria Concrete Co., masons' & bldrs.' matls., Elyria, O.
Elyria Constr. Co., Elyria, Ohio.
Elyria Enameled Products Co., Elyria, O.
Elyria Foundry Co., Elyria, Ohio.
Elyria Hdwe. Co., Elyria, Ohio.

ELYRIA IRON & STEEL CO., THE, 230 East 131st St., Cleveland, O.
Branch Offices:
Chicago—Peoples Gas Bldg., L. F. McClerman Co.
Detroit, Mich.—3293 Pingree St., O. L. Miller.

Elyria National Rubber Heel Co., Elyria, Ohio.
Elyria Steel Products Co., The, Elyria, O.
Emack Co., John D., 112 S. 16th St., Philadelphia, Pa
Emanuel & Co., slag products, Catasauqua, Pa.
Embalmers' Supply Co., disinfectants, Westport, Conn.
Embalming Burial Case Co., Burlington, Iowa.
Embankment Co., contrs., Joliet, Ill.
Emblem Mfg. Co., machinists, Angola, N. Y.
Embossing Co., The, 20 Church St., Albany, N. Y.
Embree Co., paper dollies, Buena Vista, Va.
Embree Elevator & Millwright Co., Lynn, Mass.
Embro Manufacturing Co., embroidery hoops, Canton, O.
Embry Wirebound Box Co., 20th & Arbegust Sts Louisville Ky. (See General Box Co.)
Embury, Aymar 2d, architect, 150 E. 61st, New York.
Embury Mfg. Co., lanterns, Warsaw, N. Y.
Embury-Martin Lumber Co., Cheboygan, Mich.
Emco Mfg. Co., Binghampton, N. Y.
Emerman Co., 13th & Chestnut Sts., Erie, Pa.
Emerson & Bailey, granite, Lancaster, N. H.
Emerson & Co., granite, Lancaster, N. H.
Emerson & Germain, contrs., Pittsfield, Mass.
Emerson & Norris Co., artificial bldg. stone, Boston, Mass.
Emerson, A. C., & Co., masons' & bldrs.' matls., Warrensburg, N. Y.
Emerson Apparatus Co., Melrose, Mass.
Emerson Brantingham Co., Rockford, Ill.
Emerson Dry Kiln Co., Flatiron Bldg., New York.
Emerson Elec. Mfg. Co., 2024-32 Washington Ave., St. Louis, Mo.
Emerson Engng. Co., 30 Church, New York.
Emerson, F. M., Co., contrs., 1570 Stowell av., Milwaukee, Wis.
Emerson, Geo. L., Co., bee keepers' supplies, 428 Hewitt, Los Angeles, Calif.
Emerson Hardwood Co., N. Front & 20th St., Portland, Ore.
Emerson Mfg. Co., flags & pennants, 161 Natoma, San Francisco, Calif.
Emerson Mfg. Co., grain cleaners & graders, 2601 32d av. S. Minneapolis, Minn.
Emerson Mfg Co., The, Lawrence, Mass.
Emerson Paper Co., adding mach. rolls, Sunapee, N. H.
Emerson Phonograph Co., talking machines, 309 6th av., New York.
Emerson Pump & Valve Co., Inc., Alexandria, Va.
Emerson, Sam'l W., Co., contrs., 1836 Euclid, Cleveland, Ohio.
Emerson, Smith & Co. (Ltd.), grinders, saws, tools, etc., Beaver Falls, Pa.
Emerson-Stevens Mfg. Co., Oakland, Me.
Emery & Nelson, Inc., lumber, Napavine, Wash.
Emery, A. H., testing & spec. machy., Glenbrook, Conn.

EMERY CANDLE CO., 115 E. 4th, Cincinnati, Ohio.

Emery, Chas. W., & Sons, vacuum cleaners & electric blowers, 1304 Diamond, Philadelphia, Pa.
Emery, Chas. W., elec. contr., Greenwich, Conn.
Emery Co., Geo. D., 120 11th Ave., New York.
Emery, E. (Railway Supplies) Henry W. Oliver Bldg., Pittsburgh, Pa.
Emery Hardware Co., Bradford, Pa.
Emery, Jr., Lewis (Oil Refiner), Bradford, Pa.
Emery Lumber & Coal Co., Williamsport, Pa.

EMERY MFG. CO., 43 Main St., Bradford, Pa.
Prop.—Lewis Emery, Jr.
Mgr.—Lewis Emery.
Sales Mgr.—W. A. McCafferty.

Emery, V. J., machinists, Quincy, Mass.
Emery-Waterhouse Co., whol. hdwe., mill & facty. supplies, 143 Middle, Portland, Me.
Emery, Wm. S., seats, 118 E. 28th, New York.
Emery, W. N., & Son, machsts. & fndrs., Franklin, Pa.
Emeryville Chemical Co., 1269 66th, Emeryville, Ind.
Emig & Barth, mill & supplies, Dept. H, Geneva, N. Y.
Emigsville Quarry Co., lime mfrs., Emigsville, Pa.
Eminence Milling Co., Eminence, Ky.
Emio Mfg. Co., auto accessories, 1 Starr av., Binghamton, N. Y.
Emlenton Milling Co., Ltd., flour, Emlenton, Pa.
Emlenton Refining Co., Emlenton, Pa.
Emmart Packing Co., 7357 Vincennes av., Chicago, Ill.
Emmel & Rose Co., Chas., 383 Albany Ave., Boston, Mass.
Emmel Co., classic wood carvers, 101 Bristol, Boston, Mass.
Emmerich & Co., Chas., 501 W. Huron St., Chicago.
Emmerich, Fred'k, machinist, 365 Flushing av., Brooklyn, N. Y.
Emmerick & Co., Walter, 428-4th Ave., New York.
Emmers Cornice Co., 538 E. 13th St., Cincinnati, Ohio.
Emmert Hdwe. Co., Hagerstown, Md.
Emmert Manufacturing Co., Waynesboro, Pa.
Emmett & Podas, machsts., 2001 E. Slauson av., Los Angeles, Calif.
Emmitt, Albert, contrs., Ossining, N. Y.
Emmons Bros., mattresses, Meridian, Miss.
Emmons Coal Mining Co. of W. Va., Land Title Bldg., Philadelphia, Pa.
Emmons Collins Mach. Co., air moistening machy. & humidifiers, Dept. H, Western Springs, Ill.
Emmons, E. G., scythe rifles, West Morris, Conn.
Emmons, F. L., & Co., contrs., 8 Orchard, Biddeford, Me.
Emmons, Hawkins Hardware Co., 1028 3d av., Huntington, W. Va.
Emmons Loom Harness Co., Lawrence, Mass.
Emory, P. P., Mfg. Co., founders, 138 Spring, Springfield, Mass.
Emory River Lbr. Co., Lansing, Tenn.
Emory, Robt. J., Co., machsts., 27 Runyon, Newark, N. J.
Empire Art Metal Co., The, College Point, New York. (See Central Metal Products Corp.)
Empire Automobile Co., S. W. cor. Capitol & Michigan, Indianapolis, Ind.
Empire Axle Co., axle bldrs. for motor trucks, Dunkirk, N. Y.
Empire Bending Works, rim, shafts & bows, mfrs., Lancaster, Pa.
Empire Blower & Pipe Co., Rochester, N. Y.
Empire Braid Wks., 413 W. B'way, New York.
Empire Brass Fdy., Binghamton, N. Y.
Empire Brass Mfg. Co., 3410 Lake Ave., Cleveland, O.
Empire Brass Wks., 824 Fulton St., Chicago.
Empire Brick & Supply Co., Glasco, N. Y.
Empire Brick & Supply Co., masons' & bldrs.' matls., 103 Park av., New York.
Empire Brush Wks., mach. brushes, 557 W. Monroe St., Chicago, Ill.
Empire Buggy Co., Jackson, Ga.
Empire Button Mold Mfg. Co., 722 E. 11th, New York.
Empire Carbon Wks., Nat'l Stk. Yd., St. Louis, Mo.
Empire China Works, 142-56 Greene St., Brooklyn, N. Y.
Empire Coke Co., Geneva, N. Y.
Empire Co., bread boards, North Girard, Pa.
Empire Cotton Oil Co., Atlanta, Ga.
Empire Couch Co., Dept. H, Medina, N. Y.
Empire Cream Separator Co., Nelson Place, Bloomfield, N. J.
Empire Cut Glass Co., Flemington, N. J.
Empire Electric & Mfg. Co., eyelets, ferrules & spec. elect'l goods, Plainville, Conn.
Empire Electric Co., Inc., electro-therapeutic app., 2227 S. San Pedro, Los Angeles, Calif.
Empire Electric Co., 801 Williams St., Houston, Tex.
Empire Engineering & Equip. Co., Empire Bldg., Pittsburgh, Pa.
Empire Floor Tile Co., 137 W. 25th St., New York.
Empire Foundry Co., Oakland, Calif.
Empire Fdry. Co. of Syracuse, N. Y., 203 Temple St., Syracuse, N. Y.
Empire Fringe Co., 909 Faile, New York.
Empire Furn. Co., Dept. H, Brownwood, Texas.
Empire Furn. Co., Dept. H, 22nd & 2nd aves, Huntington, W. Va.
Empire Furn. Mfg. Co., 167½H E. 37th, Los Angeles, Calif.
Empire Galvanizing Co., 2507 Cumberland St., Philadelphia, Pa.
Empire Glass Co., Smethport, Pa.
Empire Guano Co., fertilizer mfrs., New Albany, Ind.
Empire Gypsum Co., Cutler Bldg., Rochester, N. Y.
Empire Hdwe. Co., 274 West B'way, New York.
Empire Knife Co., Winsted, Conn.
Empire Knitting Mills, sweaters, 1701 N. Ashland, Chicago, Ill.
Empire Knitting Wks., sweaters, cardigans, etc., 10 Varet, Brooklyn, N. Y.
Empire Laboratory Supply Co., Inc., 218 E. 37th St., New York.
Empire Ladder & Pole Co., 154 1st St., Newark, N. J.
Empire Laundry Machy. Co., 352 Western av., Boston, Mass.
Empire Lighting Fixture Co., 122 Fifth Ave., New York.
Empire Lime & Stone Co., Milwaukee, Wis.
Empire Lime Kilns, Bellefonte, Pa.
Empire Limestone Co., 19 Hudson St., Buffalo, N. Y.
Empire Lbr. Co., see Elliott-Wean Lbr. Co. (successors).
Empire Mach. & Stamping Co., 59 Terrace, Buffalo, N. Y.
Empire Mach. & Sup. Co., Norfolk, Va.
Empire Mach. Co., Corning N. Y.
Empire Mach. Wks., 160 Berry, Brooklyn, N. Y.
Empire Mach. Wks., Lackawanna St., Mt. Morris, N. Y.
Empire Mfg. Co., furniture, Dept. H, Rockford, Ill.
Empire Mfg. Co., hard fibre, 26th & Tatnell, Wilmington, Del
Empire Mfg. Co., Lockport, N. Y.
Empire Mfg. Co., New Orleans, La.
Empire Mfg. Co., packing box mfrs., Goldsboro, N. C.
Empire Mfg. Co., Quincy, Ill.
Empire Mattress Co., 2231 W. Madison St., Chicago.
Empire Metal Co., 320 E. Water St., Syracuse, N. Y.
Empire Metal Tank Wks., East Rochester, N. Y.
Empire Mills Co., flour, Columbus, Ga.
Empire Nickel Plating Wks., Troy, N. Y.

EMPIRE NOTION COMPANY, 70 Madison Ave., New York.
Chicago—215 S. Market St.

Empire Nov. Co., badges & buttons, 3546 5th av. Chicago, Ill.
Empire Oil & Grease Company, Oil Exchange Bldg., Oil City, Pa.
Empire Oil Wks., Oil City, Pa
Empire Optical Co., Rochester, N. Y.
Empire Ornamental Glass Co., 437 Washington St., New York.
Empire Paper Co., Ithaca, N. Y.
Empire Paper Co., 725 S. Wells St., Chicago.
Empire Paper Case Co., 149 Wooster St., New York.
Empire Paper Products Co., 155 Bank St., New York
Empire Paper Tube & Box Co., 1133 B'way, New York.
Empire Pipe Bending & Supply Co., see Empire Pipe Corp. (successors).
Empire Pipe Corp., mill & facty. supps., 253 Park av., Brooklyn, N. Y.
Empire Plow Co., Tod and Roland Sts., Cleveland, O.
Empire Polishing Co., S. Quincy, Quincy, Mass.
Empire Printing & Box Co., 553 Whitehall, Atlanta, Ga.
Empire Provision & Beef Co., 247 Lewis, Buffalo, N. Y.
Empire Railway Appliance Corp., 60 Wall St., New York.
Empire Refineries, Inc., gasoline, hub oils, etc., Bartlesville, Okla.
Empire Refineries, Inc., Unity Bldg., Tulsa, Okla.
Empire Rice Milling Co., Ltd., 1676 Tchoupitoulas, New Orleans, La.
Empire Roller Fifth Wheel Wks., Quincy, Ill.
Empire Rolling Co., Bessener & C. & P. Ry., Cleveland, O
Empire Roofing Supply Co., 2443 W. 21st Pl., Chicago.
Empire Rubber Co., 220 W. 19th St., New York.
Empire Rubber Mfg. Co., East Trenton, N. J.
Empire Sales Co., tire values, 90 Sillman av., Bridgeport, Conn.
Empire Sash & Door Co., Friendship, N. Y.
Empire Smelting Co., Depew, N. Y.
Empire Soap Co., 13 Hudson, New York.
Empire Spring Bed Wks., Elmira, N. Y.
Empire State Bag Co., 760 Wyth St., Brooklyn, N. Y.
Empire State Canning Co., Rome, N. Y.
Empire State Chemical Co., Athens, Ga.
Empire State Pickling Co., canned goods, Phelps, N. Y.
Empire State Silk Label Co., 218 Tyler, West New Brighton, N. Y.
Empire Steel & Iron Co., Catasauqua, Pa.
Empire Steel Partition Co., Inc., College Point, N. Y.
Empire Stone Co., 76 W. Monroe, Chicago, Ill.
Empire Stone Co., Bloomington, Ind.
Empire Tanning Co., Olean, N. Y.
Empire Tie Co., Wilmington, N. C.
Empire Tile & Mantle Co., masons' matls., 1022 Sprague, Spokane, Wash.
Empire Tin Ware Co., ash, garbage, paint & varnish cans, etc., 29 S. 5th, Brooklyn, N. Y.
Empire Tire & Rubber Co., Trenton, N. J.
Empire Transformer Co., elec. bells, irons, toasters, etc., 3819 N. Ashland av., Chicago, Ill.
Empire Tube & Steel Corp., tubing, College Point, N. Y.
Empire Varnish Co., 2638 E. 76th, Cleveland, Ohio.
Empire Weaving & Belting Corp., E. Rochester, N. Y.
Empire Wall Plaster Co., Utica, N. Y.
Empire Weaving & Belting Corp., see Rochester Woven Belting Corp. (successor).
Empire Wheel Works, Utica, N. Y.
Empire Wood Type Co., 230 Pearl, New York.
Emkie-Shugart-Hill Co., whol. hdwe., Council Bluffs, Ia.
Employers' Indemnity Co. of Philadelphia, steam boiler insurance, 1414 S. Penn sq., Philadelphia, Pa.
Employers' Liability Assurance Corp. (Ltd.), insurance, 33 Broad, Boston, Mass.
Emporia Lumber & Coal Co., masons' & bldrs.' matls., Emporia, Kan.
Emporia Machine Co., Emporia, Va.
Emporium Forestry Co., lbr., Utica, N. Y.
Emporium Iron Co., Emporium, Pa.
Emporium Lumber Co., Utica, N. Y.
Emporium Machine Co., Emporium, Pa.
Emporium Milling Co., flour, Emporium, Pa.
Empresa de Fierro Galvanizado, S. A., Tampico, Tex.
Empson Packing Co., Longmont, Colo.
Emrath, Louis, machinist, 4236 N. Ashland av., Chicago, Ill.
Emrich, Phil, tanners' tools, 824 Main, Cincinnati, O.
Emrick, A. E., agricultural imple., Germantown, Ohio.
Emrick Supply Co., 20 Wooster St., New York.
Emsey, Orvis B., cornices, Indianapolis, Ind.
Emsco Press Forging Co., Boyle av. & Slanson, Los Angeles, Calif.
Emsco Steel Products Co., oil well supplies, 7111 S. Alameda, Los Angeles, Calif.
Emsco Tool Co., 70th & Alameda, Los Angeles, Calif.
Emsley, John W., bags, burlaps, Adams & Emerald, Philadelphia, Pa.
Enamel Products Co., Eddy & Taft, Cleveland, O.

ENAMELED IRON SIGN CO., 45 E. 17th, New York.

Enameled Metals Co., 61 Bridge St., Etna, Pittsburgh, Pa.

ENAMEL STEEL SIGN CO., 320 E. North Water St., Chicago.

Enco Electro Nov. Co., radio batteries, 603 W. 130th, New York.
Enderes, Incorporated, Albert Lea, Minn.
Enderle, Frank X., burial cases & garden furn., 1715 San Fernando rd., Los Angeles, Calif.
Enders, O., architect, Wright Bldg., St. Louis, Mo.
Enders Sales Co., safety razor mfrs., 105 W. 40th, New York.
Endicott Forging & Mfg. Co., Inc., Endicott, N. Y.
Endicott-Hammond Co., mill & facty. supps., 155 Chambers, New York.
Endicott-Johnson & Co., fibre & leather boards, Endicott, N. Y.
Endicott-Weber Co., 1224 Columbia, Philadelphia, Pa.
Endlok Parts Co., 6 Reade St., New York.
Endner Lbr. Co., Gunnison, Colo.
Endres, H. W., landscape architect, Syndicate Tr. Bldg., St. Louis, Mo.
Endres, J. A., & Son, cornices & skylights, Leavenworth, Kan.
Endresen Spar & Timber Co., masts & spars, Hoquiam, Wash.
Endsley, J. W., insulator pins, Somerfield, Pa.
Endura Mfg. Co., 63rd St. & Eastwick Ave., Philadelphia, Pa.
Endurance Autoil Co., metal polish, Muncie, Ind.
Energine Refining & Mfg. Co., Cuyahoga Bldg., Cleveland, O.
Energy Elevator Co., 214 New St., Philadelphia, Pa.
Eng-Skell Co., essential oils, etc., extracts, syrups, colorings, 208 Mission, San Francisco, Calif.
Engberg's Electric & Mechanical Wks., St. Joseph, Mich.
Engdahl Bindery, 412 Orleans St., Chicago.
Engel Bros., barrels, 1153 Center, Chicago, Ill.
Engel Furniture Mfg. Co., Inc., 3501 S. Hill, Los Angeles, Calif.
Engel, G., & Bros., whol. hdwe., 301H Main, Norfolk, Va.
Engel Lbr. Co., Grand Rapids, Mich.
Engle Mfg. Co., ball cocks, 143 Oneida, Syracuse, N. Y.
Engelbach Mach. Mfg. Co., Leadville, Colo.
Engelberg Huller Co., rice & coffee machy., 831 W. Fayette, Syracuse, N. Y.
Engelberger, F. & W. V., Co., cornices, 159 Jelliff av., Newark, N. J.
Engelhard, Frank, & Sons, copper floats, brass & bronze castings, 200 Franklin, Springfield, Mass.
Engelhard, Inc., Chas. 30 Church St., New York.
Engelhardt, Jno. W., Co., adv. spec., 121 Carondelet, New Orleans, La.
Engeln, M., & Son, machsts. & fndrs., McHenry, Ill.
Enger, Frank J., carriages, wagons, Clemant Bldg., Cincinnati, Ohio.
Engerbretsen, John, contractor, San Diego, Calif.
Engineer Company, The, 17 Battery Place, New York.
Engineering & Contracting, trade publication, 221 E. Cullerton, Chicago, Ill.
Engng. & Fdy. Co., Stockton, Calif.
Engng. & Mining Journal, 10th av. & 36th, New York.
Engineering & Steam Supplies Co., Plymouth Bldg., Minneapolis, Minn.
Engineering Agency, Inc., The, 53 W. Jackson Blvd., Chicago.
Engineering Co., milk condensing machy., steel tanks, etc., Fort Wayne, Ind.
Engineering Co. of Phila., Harrison Bldg., Phila., Pa.
Engineering Development Co. of America, Scranton, Pa.
Engineering Equipment Co., Ltd., 358 Beaver Hall Sq., Montreal, Can.

ENGINEERING PRODUCTS CO., railroad supplies, cars, boilers, etc., Rialto Bldg., San Francisco, Calif.

Engineering Service Co., Washington Bldg., Los Angeles, Calif.
Engineering Specialties Co., cylinder gauges, 3024 W. Fort, Detroit, Mich.
Engineering Supply Co., 3307-11 N. 12th St., Philadelphia, Pa.
Engineering Works, Van Buren, Ark.
Engineering World, trade publications, Monadnock Bldg., Chicago, Ill.
Engineers Co., 3009 N. 11th St., Philadelphia, Pa.
Engineers Corp., contrs., 43 Exchange pl., New York.
Engineers Equip. Co., mill & facty. supps., 1951 Lawrence av., Chicago, Ill.
Engineers Supply Co., New Birks Bldg., Montreal, Can.
England Bros., flour mills, Springfield, Tenn.
England, S. B., cornices, 1412 6th av., Altoona, Pa.

England, Walton, & Co., leather belting, butts & harness, 3d & Vine, Philadelphia, Pa.
Englander Spring Bed Co., Johnson & Stewart aves., Brooklyn, N. Y.
Engle, Robert H., (Distillation Furnaces) Trenton, N. J.
Englehart, Chas., Inc., pyrometers, electric resistance thermometers, impervite chemical porcelain, 30 Church, New York.
Englehardt Piano Co., St. Johnsville, N. Y.
Englert Mfg. Co., 2133 Carson St., Pittsburgh, Pa.
Englewood Desk Co., 5816 Lowe Ave., Chicago.
Engle's, Jno. S., Sons, masons' & bldrs.' matls., Hummelstown, Pa.
Englis, Chas. M., ship bldrs., 176 Vanderbilt av., Brooklyn, N. Y.
English & Mersick Co., lamps, hdwe., mfrs., Winchester av., New Haven, Conn.
English & Miller Machy. Co., Majestic Bldg., Detroit, Mich.
English Bros., contractors, Champaign, Ill.
English, C. R., Co., mill & facty. supplies, 69 Woolsey sq., Boston, Mass.
English Canning & Mfg. Co., English, Ind.
English Co., 148 5th, Portland, Ore.
English, E. C., contrs., Citizens' National Bank Bldg., Los Angeles, Calif.
English Iron Works Co., Leeds, Kansas City, Mo.
English, Jno. J., cornices, Kenosha, Wis.
English Lumber Co., R. W., Equitable Bldg., Denver, Colo.
English Mfg. Co., wood pails & buckets, Antigo, Wis.
English Mica Co., Insurance Bldg., Williamsport, Pa.
English Tool & Supply Co., Kansas City, Mo.
Engman-Matthews Range Co., South Bend, Ind.
Engravers' & Printers' Machy. Co., Sag Harbor, N. Y.
Engstrom & Samuelson, contrs., Warren, Pa.
Engstrom, Carl, contr., Salem, Ore.
Enid Fdry. & Mach. Co., Enid, Okla.
Enid Milling Co., flour, Enid, Okla.
Enid Sash & Door Co., Enid, Okla.
Enid Vitrified Brick & Tile Co., Enid, Okla.
Enlow Co., Inc., 362 Broadway, New York.
Eno Rubber Corp., tubes, vulcanizers, etc., 1026 S. Los Angeles, Los Angeles, Calif.
Enocha & Wortman (Lbr.), Jackson, Miss.
Enoch Mfg. Co., lunch boxes, Mount Sterling, Ky.
Enochs Bros., Fernwood, Miss.
Enochs Lbr. & Mfg. Co., Jackson, Miss.
Enochs Lumber Co., Jackson, Tenn.
Enochs Yellow Pine Co., lumber, Jackson, Miss.
Enoree Mills, cotton sheetings, Greenville, S. C.
Enos & Sanderson Co., whol. hdwe., 147 Bushnell, Buffalo, N. Y.
Enos Fire Escape Co., 522 N. Sangamon St., Chicago.
Enoz Chemical Co., 705-707 N. Wells St., Chicago.
Enright, P. J., Co., cornices & skylights, Chicopee Falls, Mass.
Ensign-Bickford Co., Simsbury, Conn.
Ensign Carburetor Co., Inc., 217 E. 17th, Los Angeles, Calif.
Ensign Company, Brighton District, Boston, Mass.
Ensign Cotton Mills, Forsyth, Ga.
Ensign Foundry Co., Toledo, Ohio.
Enslin, Franklin, & Co., cornices, Ashland, Mass.
Ensign, F. V., match safes, Elmira, N. Y.
Ensign, G. W., Inc., contractors, Harrisburg, Pa.
Ensign Oil Co., 284 Perry St., San Francisco, Cal.
Ensign Refining Co., 10703 Quebec Ave., Cleveland, O.
Ensinger Contr. Co., New Rochelle, N. Y.
Ensley, G. W., cornices & skylights, Charlton, Iowa.
Enstice Bros., contractors, 111 Academy, Newark, N. J.
Ensworth & Sons, L. L., 344 Front St., Hartford, Conn.
Entenman, A., sash, door & blind mfr., 669 73d, Brooklyn, N. Y.
Enterprise Aluminum Co., The, Massillon, O.
Enterprise Art Glass Wks., 210 Sycamore St., Milwaukee, Wis.
Enterprise Bed Co., Hammond, Ind.
Enterprise Brass Foundry Co., Tacoma, Wash.
Enterprise Brass & Plating Co., 6th & Baymiller, Cincinnati, O.
Enterprise Brass Foundry, 2727 7th St., S. Seattle, Wash.
Enterprise Brass Wks., Muskegon, Mich.
Enterprise Brick Co., Mountainview, N. J.
Enterprise Coal Co., masons' & bldrs.' matls., East Liverpool, Ohio.
Enterprise Coal & Supply Co., 140 3rd St., Elizabeth, N. J.
Enterprise Co., Columbiana, O.
Enterprise Contracting Co., dock bldrs., Bessemer Bldg., Pittsburgh, Pa.
Enterprise Cotton Mills, Enterprise, Ala.
Enterprise Cotton Oil Co., Enterprise, Ala.
Enterprise Cut Glass Co., Elmira Heights, N. Y.
Enterprise Electric Co., Lincoln, Neb.
Enterprise Elec. Co., Warren, O.
Enterprise Elec. Supply Co., open batteries, Latrobe, Pa.
Enterprise Electrical Wks., 654 Mission St., San Francisco, Cal.
Enterprise Elevator Co., 995 Market, San Francisco, Ill.
Enterprise Engine Co., 2902H 19th, San Francisco, Calif.
Enterprise Fdry. & Mach. Co., Hattiesburg, Miss.
Enterprise Fdry. & Mach. Wks., Bristol, Tenn.
Enterprise Fndry. Co., Auburn, N. Y.
Enterprise Fndry. Co., 2826 Highland, Kansas City, Mo.
Enterprise Fdry Co., 20 Stuart St., San Francisco, Cal.
Enterprise Fdry. Co., 1127 E. Warren St., Detroit, Mich.
Enterprise Foundry Co., 98 Olean St., Rochester, N. Y.
Enterprise Foundry Co., Tacoma, Wash.
Enterprise Garnetting Co., absorbent cotton, Cohoes, N. Y.
Enterprise Hdwe. Mfg. Co., Frederick, Md.
Enterprise Iron Wks., coal chutes & pumping jacks, Albert Lea, Minn.
Enterprise Iron Works, 24th and Yandes Sts., Indianapolis, Ind.
Enterprise Lime & Ballast Co., Hyndman, Pa.
Enterprise Lumber Co., Alexandria, La.
Enterprise Lbr. Co., 677 Mellish, Cincinnati, Ohio.
Enterprise Lumber Co., Mt. Olive, N. C.
Enterprise Mach. & Garage Co., Franklin, Ky.
Enterprise Mach. Wks., 1551 Railroad av. S., Seattle, Wash.
Enterprise Machine Works, 115 W. Redondo, Los Angeles, Calif.
Enterprise Machine Works, Spring Valley, Minn.
Enterprise Machinery Co., 400 S. E. 8th St., Minneapolis, Minn.
Enterprise Manufacturing Co., Akron, O.
Enterprise Mfg. Co., cotton sheeting, Augusta, Ga.
Enterprise Mfg. Co., overalls, 83 Pearl, Buffalo, N. Y.
Enterprise Mfg. Co. of Pa., The, 3d & Dauphin, Philadelphia, Pa.
Enterprise Mfg. Co., Rockhill, S. C.
Enterprise Mfg. & Cons. Co., gas ovens, 1706 Washington av., Kansas City, Mo.
Enterprise Mattress Co., 80 Traverse, Boston, Mass.
Enterprise Mill Soap Wks., 2229 N. 12th, Philadelphia, Pa.
Enterprise Optical Mfg. Co., 564 W. Randolph, Chicago, Ill.
Enterprise Paint Mfg. Co., 333 S. Peoria St., Chicago.
Enterprise Paving & Constr. Co., 8444 B'way, S. E., Cleveland, Ohio.
Enterprise Planing Mill Co., Hillsboro, Ohio.
Enterprise Planing Mill Co., 300 E. Yamhill, Portland, Ore.
Enterprise Plumbing Supply Co., 10 E. Kinzie, Chicago, Ill.
Enterprise Railway Equip. Co., 209 S. LaSalle St., Chicago.
Enterprise Sand Co., Fulton Bldg., Pittsburgh, Pa.
Enterprise Steam & Hot Wat. Htg. Co., 619 N. Howard St., Baltimore, Md.
Enterprise Stone Co., contrs., Peoria, Ill.
Enterprise Tool & Metal Works, mach., 2449 N. Western av., Chicago, Ill.
Entorf Filter Co., Amboy, Ill.
Entrekin, J. H., masons' & bldrs.' matls., Greenfield, Ill.
Entress Brick Co., common, Bedford av & Duff Hill, Pittsburgh, Pa.
Entwistle Co., T. C., Lowell, Mass.
Envelope Corp., 352 6th, San Francisco, Calif.
Enville Mill & Gin Co., flour, Enville, Tenn.
Enz & Orr Fdry. Co., 1410 W. Colfax, Denver, Colo.
Enzler, Joseph A., Dubuque, Ia.
Enzor-Hoel Co., electric light fixtures, 67 E. Chestnut, Columbus, Ohio.
Epeneter, G. F., Cornice Wks., Omaha, Neb.
Ephraim Sanitary Canning Co., Ephraim, Utah.
Ephrata Fdry. & Mach. Wks., Ephrata, Pa.
Ephrata Stove Works, Ephrata, Pa.
Eppelsheimer & Co., bakers' molds, 34 Hubert, New York.

EPPINGER & RUSSELL CO., 165 Broadway, New York.
Pres.—Chas. S. Chadwick.
V. P. & Gen. Mgr.—Harry S. Valentine.
Sec. & Treas.—Herbert W. Cannon.
Ass't Sec. & Treas.—Ernest E. terMeer.
Jacksonville Lumber Office—E. H. Vrooze.
Jacksonville Creosoting Works—C. S. Hubbard.
Long Island City Creosoting Works—Fredk. A. Troestrum.

Eppler Machine Works, John, Buttonwood & N. America, Philadelphia, Pa.
Epso Products Co., Oroville, Wash.
Epstein & Vollweiler, packing box mfrs., 814 E. 5th, New York.
Epstein, Sam'l (Inc.), auto tops, 130 W. 3d, New York.
Equipment Co., machy. dlrs., mill & facty. supps., etc., 1531 Walnut, Kansas City, Mo.
Equipment Corporation of America, 1415-1420 Lumber Exchange Bldg., Chicago.
Equipment Mfg. Co., The, Leader News Bldg., Cleveland, O.
Equipment Mfg. & Supply Co., contrs.' supplies & whol. hdwe., 228 Church, Philadelphia, Pa.
Equipoise Rivet Co., Waterbury, Conn.
Equitable Asphalt Maintenance Co., mixers, 1901 Campbell, Kansas City, Mo.
Equitable Equipment Co., Inc., 411 Whitney-Central Bldg., New Orleans, La.
Equitable Meter Co., 424 First Ave., Pittsburgh, Pa.
Equitable Powder Mfg. Co., East Alton, Ill.
Equitable Window Glass Co., window glass mfrs., Buckhannon, W. Va.
Equity Equip. Co., 1434-8 Main St., Cincinnati, O.
Erb, C. F., machsts. & brass fndrs., Youngstown, Ohio.
Erb Hdwe. Co., Ltd., Lewiston, Idaho.

ERB, W. B., 331-333 S. Clinton St., Chicago. Page 1662

Erbelding, E. J., Co., heating contractors, Augusta, Ga.
Erbestos Brake Lining Co., 4001 N. 5th, Phila., Pa.
Erby, Wm., & Sons Co., carriages, 121 W. Grand av. Chicago, Ill.
Erd Motor Co., machsts, Saginaw, Mich.

ERDLE PERFORATING CO., 171 York St., Rochester, N. Y.
Pres.—Wm. J. Erdle.
Chicago—144 W. Kinzie St., Western Metal Products Co.

Erdman, Geo. F., lumber, Williamsport, Pa.
Erdman, Guider Co., wooden auto bodies, Saginaw, Mich.
Erhart, Christ, 954 Cleveland, St., Cincinnati, O.
Erich Co., Geo. F., 314 N. 28th St., Allentown, Pa.
Ericka Mfg. Co., metal polish & hand soap, 822 Liberty, Springfield, Mass.
Erickson & Bissell, Escanaba, Mich.
Erickson & Co., H. H., 3045 N. Western Ave., Chicago.
Erickson & Petterson, Grier Co., contrs., Monadnock Bldg., San Francisco, Calif.
Erickson, A. G., contractor, 404 N. Prior av., St. Paul, Minn.
Erickson, Andrew L., machsts., Ladd, Ill.
Erickson, Aug., & Co., granite, St. Cloud, Minn.
Erickson, C. E., & Co., adv. specialties, Des Moines, Ia.

ERICKSON CO., INC., 381 4th Ave., New York.

Erickson, G., & Bros., lumber, Blossom av., Fall River, Mass.
Erickson, J. M., boxes—rural mail, Slater, Iowa.
Erickson, John E., machst., Fillmore av. & Walter, St. Paul, Minn.
Erickson, L., Elec. Co., reflectors, 6 Portland, Boston, Mass.
Erickson, Louis, & Son, contrs., Ishpeming, Mich.

ERICKSON'S AGENCY, E. N., 15 Park Row, New York.

Ericson, John, arch'l engnr., 30 N. La Salle, Chicago, Ill.
Erickson, Phillip Norris, architect, 101 Park av., New York.
Ericsson, Henry, Co., contractors, 139 N. Clark, Chicago, Ill.
Ericsson Screw Mch. Prod. Co., 607-9 Bergen St., Brooklyn, N. Y.
Erie Art Metal Co., Erie, Pa.
Erie Ball & Engine Co., 1st & Talbot, Braddock, Pa.
Erie Basin Dry Dock, ft. of Beard & Lond Dock, Brooklyn, N. Y.
Erie Blue Stone Association, 159 W. 33d, New York.
Erie Bldg. Co., Delaware & Olive, Buffalo, N. Y.
Erie Bolt & Nut Co., Erie, Pa.
Erie Brass & Copper Co., Erie, Pa.
Erie Bronze Co., 1911 Chestnut St., Erie, Pa.
Erie Calculator Co., 14 Scott Bldg., Erie, Pa.
Erie Car Works, see Hamilton, Wm., Sons Car Co. (successors).

ERIE CITY IRON WORKS, Erie, Pa.
Branch Offices in all principal cities.

Erie Clutch & Mach. Co., flanged pulleys, Cuyahoga Falls, Ohio.
Erie Concrete Steel Co., steel structural wk., etc., 13th & Cranberry, Erie, Pa.
Erie Constr. Co., Marine Natl. Bk. Bldg., Buffalo, N. Y.
Erie Constr. Co., D. S. Morgan Bldg., Buffalo, N. Y.
Erie Engine Works, Erie, Pa.
Erie Forge Co., Erie, Pa.

ERIE FOUNDRY COMPANY, Erie, Pa.
Pres. & Treas.—Jno. R. McDonald.
V. P. and Gen. Mgr.—D. A. Currie.
Sec.—D. W. McDonald.

Erie Foundry Co., Rochester, N. Y.
Erie Hardware Co., Erie, Pa.
Erie Iron & Metal Co., Erie, Pa.
Erie Iron & Steel Co., 15th & Raspberry Sts., Erie, Pa.
Erie Machine Shops, Erie, Pa.
Erie Malleable Iron Co., Erie, Pa.
Erie Mfg. & Sup. Co., Erie, Pa.
Erie Metal Furniture Co., Erie, Pa.
Erie Metal Products Co., 644 W. 12th St., Erie, Pa.
Erie Mop & Wringer Co., East Rochester, N. Y.
Erie Motor Co., auto bldrs., Painesville, Ohio.
Erie Oil Co., Erie, Pa.

ERIE PUMP & ENGINE WORKS, 149 Glenwood Ave., Medina, N. Y.
Pres.—A. L. Swett.
Sec.—George E. Shaefer.
Mgr. & Treas.—R. F. Swett.

Erie Reduction Co., fertilizer mfrs., Erie, Pa.
Erie Sand & Gravel Co., Erie, Pa.
Erie Steam Shovel Co., 12th & Granberry St., Erie, Pa.

ERIE STEEL CONSTRUCTION CO., 15 Park Row, New York.

Erie Steel Constr. Co., elec. trav. & hand power cranes, bins, etc., Erie, Pa.
Erie Stone Co., Ft. Wayne, Ind.
Erie Stone Co., Toledo, O.
Erie Tire & Rubber Co., Sandusky, Ohio.
Erie Toe Calk Mach. Co., Erie, Pa.
Erie Tool Works, The, 640 W. 12th St., Erie, Pa.
Erie White Metal Co., fndrs., Erie, Pa.
Erie Window Glass Co., Erie, Pa.
Erieg, Wm. J., see Globe Paint Co. (successors).
Eriez Stove Mfg. Co., Erie, Pa.
Erikson Electric Co., L., 6 Portland St., Boston, Mass.
Erk Bros., cornices, Honesdale, Pa.
Erkenbrach Co., Geo. A., 115 Maiden Lane, New York.
Erker, Adam M., cornices, 432 W. 37th, New York.
Erker Bros. Optical Co., 604 Olive St., St. Louis, Mo.
Erker, Walter S., Esq., architect, Henne Bldg., Los Angeles, Calif.
Erkins Studios, sun dials, 227 Lexington av., New York.
Erlandsen, Julius, machinist, 172 Centre, New York.
Erlbacher, B., machinist, Cape Girardeau, Mo.
Erlinger & Co., Geo., 192-4 Milwaukee Ave., Milwaukee, Wis.
Ermold Co., Edw., 652 Hudson, New York.
Ernecke & Salmstein Co. (Paints & Varnishes), 944 W. North Ave., Chicago.
Erner & Hopkins Co., The, 146-48 N. 3rd, Columbus, O.
Erner Electric Co., The, 122 St. Clair Ave., N. E., Cleveland, O.
Ernest Coal Co., Johnson City, Ill.
Ernsdorff Iron Co., John, Dubuque, Ia.
Ernst & Ernst, 80 Maiden Lane, New York.
Ernst, Frank, lumber mfrs., Bleecker, N. Y.
Ernst, Gustave, arch'l iron, 505 E. 165th, New York.
Ernst Hardware Co., mill supplies, 6th & Pike, Seattle, Wash.
Ernst, Louis, & Sons, whol. hdwe., mill & facty. supplies, etc., 43 South av., Rochester, N. Y.
Ernst, Montrose, precision tool & recording instruments, imp., 149 Church, New York.
Ernst's Sons, Chas. F., 75 Lathrop St., Buffalo, N. Y.
Ernst Specialty Co., Chas. K., 998-1006 E. Ferry St., Buffalo, N. Y.
Ero Mfg. Co., auto accessories, 2234 Ogden av., Chicago, Ill.
Errington, F. A., machinist, 11 John, New York.
Erskine & Jessen, irrigation pipe & galv. tanks, 706 Date, Los Angeles, Calif.
Erskine, Jas. Lowe, Co., brushes, 132 King, New York.
Ersted Machinery Mfg. Co., cranes, hoists, bag turning machy., etc., E. 29th & Clackamas, Portland, Ore.
Ertel Co., Geo., Quincy, Ill.
Erth Lithe Mfg. Co., acetylene gas machy., Charleston, Ill.
Ervien, Chas. W., & Co., see Kensington Struct'l Steel Co. (successor).
Ervin Bros. Co., whol. hdwe., Jackson, Ohio.
Ervin, D. S., Co., lime, Cedarville, Ohio.
Ervin Mfg. Co., mattresses, El Paso, Tex.
Erving Paper Mills, Erving, Mass.
Erwin & Co., 3736 Cottage Grove Ave., Chicago.
Erwin & Sons, Henry, Bethlehem, Pa.
Erwin, Arch. B., stone producers, Port Kennedy, Pa.
Erwin Cotton Mills Co., West Durham, N. C.
Erwin, J. M., flour, Byers, Tex.
Esbjornsson, John, masons' & bldrs.' matls., Litchfield, Minn.
Escambia Land & Mfg. Co., see Escambia Mill Co. (successors).
Escanaba Hardware Co., Escanaba, Mich.
Escanaba Wood Fibre Co., paper, Escanaba, Mich.
Esche-Nelson Milling Co., wheat flour, Manawa, Wis.
Eschmann, B. & J., marble wk., 268 47th, New York.
Esda Mfg. Co., hot water heaters, 280H Madison av., New York.
Esenwine, Geo. W., founders, Salona, Pa.
Esfile Mfg. & Supply Co., hickory handles, Toledo, Ohio.
Eshelman, David & Son, contractors, Anderson, Ind.
Esleeck Mfg. Co., Turners Falls, Mass.
Esler Electric Mfg. Co., elec. condensers, plugs & taps, Marion, Ind.
Esmeralda Canning Co., Circleville, Ohio.
Esmond Mills, blankets, carriage robes, Esmond, R. I.
Espen-Lucas Machine Wks., Front and Girard Ave., Philadelphia, Pa.
Ess Bros., machinists, Chaska, Minn.
Essanay Film Mfg. Co., 1333 Argyle, Chicago, Ill.
Essanbee Mine Co., coal, 808 Dearborn, Chicago, Ill.
Essandee Corp., auto accessories, 330 W. 16th, Los Angeles, Calif.
Essco Manufacturing Co., Peoria, Ill.
Essen Aniline Wks., So. Middleton, Mass.
Essential Novelty Co., 396-398 Broadway, New York.
Essential Oil Specialties Co., Inc., terpine-hydrate, Grassland, Pa.
Essenwanger, Chas., & Son, cornices, 318 E. 15th, New York.
Esser & Schmidt, cornices & skylights, Hartford, Wis.
Essex Brass Corp., 480 Franklin St., Detroit, Mich.
Essex Brass Fndry. Co., Cambridge, Mass.
Essex Construction Co., 9 Hackett, Newark, N. J.
Essex Engine Co., Lynn, Mass.
Essex Foundry, Murray St., Newark, N. J.
Essex, G. B., Brass Co., dial cocks, lubricators, pumps, etc., 480 Franklin, Detroit, Mich.
Essex Gelatine Co., 40 N. Market, Boston, Mass.
Essex Glass Co., Mount Vernon, Ohio.

Essex Horse Nail Co., Essex, N. Y.
Essex Lumber Co., North Sacramento, Calif.
Essex Mach. Co., Lynn, Mass.
Essex Motors, auto bldrs., 1260 E. Jefferson av., Detroit, Mich.
Essex Packing Co., Tappahannock, Va.
Essex Pad & Paper Co., Holyoke, Mass.
Essex Rubber Co., P. O. Box 501, Newark, N. J.
Essex Rubber Co., Trenton, N. J.
Essex Supply Co., mill & facty. supplies, 580 Market Newark, N. J.
Essex Tanning Co., leather, Peabody, Mass.
Essex Varnish Co., 218 McWhorter St., Newark, N. J.
Essex Wood Heel Co., Haverhill, Mass.
Essick & Co., machy. dlrs., 1928 Santa Fe av., Los Angeles, Calif.
Essley Machinery Co., The E. L., 555 Washington Blvd., Chicago.
Esmueller Mill Furnishing Co., 1222 S. 8th St., St. Louis, Mo.
Estabrook, Geo. R., cornices, 8 New Dwight, Springfield, Mass.
Estabrook's Sons, R., 204 W. 1st St., Boston, Mass.
Estabrook Steel Pen Mfg. Co., Camden, N. J.

ESTATE STOVE COMPANY, THE, East Ave., Hamilton, O.
Pres.—Lazard Kahn.
V. Pres.—David F. Kahn.
Treas.—Bertrand B. Kahn.
Sec'y.—Albert M. Kahn.
Ass't. Sec'y.—Lucian L. Kahn.
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Branch Offices:
Cal.—San Francisco, Sidney A. Beck, Mgr.
Minn.—Minneapolis, L. W. Abbott, Mgr.

Estep, Chas. A., & Son, masons' & bldrs.' matls., Portland, Mich.
Esterline-Angus Co., The, 1547 Lemcke, Indianapolis, Ind.

ESTES & SONS, E. B., 364 5th Ave., New York.
Branch Office:
Chicago, Ill., 111 W. Jackson blvd.
Foreign Offices:
Brussels, Belgium, 18 Rue Villa Hermess.
London, E. C., Eng., 16-17 Devonshire sq., Bishopsgate.
Paris, France—21, Rue des Nonnains d'Hyeres.
Sydney, N. S. W.—20 & 22 O'Connell.

Estes, Incorporated, L. V. (Indus. Engrs.), 4750 Sheridan Rd., Chicago.
Estes Lbr. Co., 2600 28th av., Birmingham, Ala.
Estes Mills, Fall River, Mass.
Estes-Williams-Ragsdale Co., contrs., Scimitar Bldg., Memphis, Tenn.
Estey-Brison, Ltd., Rogers Bldg., Vancouver, B. C., Can.
Estey Bros. Co., 1006 Metropolitan Ave., Brooklyn, N. Y.
Estey Mfg. Co., furniture, Dept. H, Owosso, Mich.
Estey Organ Co., pianos, Brattleboro, Vt.
Estey Piano Co., So. Blvd. & Lincoln av., New York.
Estey Wire Wks. Co., wire goods mfrs., 34 Cliff, New York.
Estle & O'Brien Boiler Co., 11 Commercial av., Portland, Me.
Esty Sprinkler Co., Laconia, N. H.
Etching Co. of Am., adv. spec., 1521 Montana, Chicago, Ill.
Etching Co. of America, 1520 Montana St., Chicago.
Etheridge, J. E., Lumber Co., Norfolk, Va.
Etherton, E. E., Co., contrs., Monadnock Bldg., San Francisco, Calif.
Etiwan Fertz Co., Charleston, S. C.
Etna Co., twist drills, Taunton, Mass.
Etna Co., machinists & founders, Taunton, Mass.

ETNA FORGE & BOLT CO., 1302 Commonwealth Bldg., Pittsburgh, Pa.
Pres.—Frank Ryman.
Secy.—G. L. Ryman.
Treas.—John Metzger, Jr.

Etna Foundry Co., Etna, Pa.
Etna Machine Co., Toledo, O.

ETNYRE & CO., E. D., 1st, 2nd. & Jefferson Sts., Oregon, Ill.
Pres.—E. D. Etnyre.
Sec. & Treas.—G. M. Etnyre.

Etsweiler & Co., William, 335 Green St., Philadelphia, Pa.
Etter & Son, C., Harrisburg, Pa.
Etter Bros., brick, Dupont, Ohio.
Etting, A. E., flour, David City, Neb.
Ettinger, J. M., heaters, 70 W. Lake, Chicago, Ill.
Ettlinger, Louis & Sons, jewelry cases, 947 Rich av., New York.
Ettlinger Sign Co., adv., 440 S. Dearborn, Chicago, Ill.
Ettman Sponge Co., H. L., 1112 Pine St., St. Louis, Mo.
Etzel, M., & Sons., Inc., wood auto bodies, 101 Fairmont av., New Haven, Conn.
Eubank Canning Co., Eubank, Ky.
Eubank Tankard Co., canned goods, Kilmarnock, Va.
Euclid Av. Electric Fixture Co., 5213 Euclid av., Cleveland, Ohio.
Euclid Av. Lumber Co., 11710 Euclid av., Cleveland, O.

EUCLID CRANE & HOIST CO., Euclid, O.
Representatives:
Ala.—Birmingham, Keiser-Geismer Engrg. Co.
Cal.—Los Angeles, 860 Bromson St., Phone 7-2454.
Cal.—San Francisco, S. Clyde Kyle, Rialto Bldg., Garfield 158.
Ill.—Chicago, R. W. Young, 111 W. Monroe St., State 5691.
Mich.—Saginaw, A. E. Kendall.
N. Y.—New York, F. E. Tyng, 85 Liberty St., Cortland 2957.
Pa.—Pittsburgh, Factory Products Co., Oliver Bldg., Atlantic 2355.
Wash.—Seattle, A. H. Cox & Co.

Euclid Electric & Mfg. Co., elec. controllers, Euclid, O.
Euclid Foundry Co., gray iron castings, Dept. H, Euclid, Ohio.
Euclid Mach. & Engng. Co., spec. machy., 1838 Noble rd., Cleveland, Ohio.
Euclid Mfg. Co., acid storage tanks, Paden City, W. Va.
Euclid Mfg. Co., overalls, 1285 W. 6th, Cleveland, O.
Euell, Geo. Raymond, architect, 125 Sherman av., New York.
Eufaula Cotton Oil Co., cotton seed and peanut oils, Eufaula, Ala.
Eugene Concrete Pipe Co., Eugene, Ore.
Eugene Excelsior Co., Eugene, Ore.
Eugene Fruit Growers' Assn., canned goods, Eugene, Ore.
Eugene Handle Co., Engene, Ore.
Eugene Iron Works, gas stoves, Eugene, Ore.
Eugene Mill & Elevator Co., flour, Eugene, Ore.
Eugene Packing Co., meat, Eugene, Ore.
Eugene Planing Mill Co., Eugene, Ore.
Eugene Woolen Mill Co., carriage robes, Eugene, Ore.
Euler, Harry M., machy. dlrs., 46 Front, Portland, Ore.
Eureka Art Glass Co., 2915 Lincoln, Chicago, Ill.
Eureka Auto Parts Mfg. Co., 1915 Pine St., St. Louis, Mo.
Eureka Automatic Elec. Signal Co., Tamaqua, Pa.
Eureka Bending & Wheel Works, wood bending, York, Pa.
Eureka Blotter Bath Co., 3731 S. Wallace, Chicago.
Eureka Boiler Works Co., 166 Fremont, San Francisco, Cal.
Eureka Brass Co., 601 Red Bud Ave., St. Louis, Mo.
Eureka Brass Wks., 1040 Hulbert Ave., Cincinnati, O.
Eureka Brick Co., Norfolk, Va.
Eureka Button Co., 684 B'way, New York.
Eureka Calcium Wks., see Pomeroy Chem. Co. (successor).
Eureka Can Co., 1211 Post, Seattle, Wash.
Eureka Cedar Lbr. & Shingle Co., Hoquiam, Wash.
Eureka Chemical Co., paint mfrs., 970 Grand av., Brooklyn, N. Y.
Eureka Co., carriages, Rock Falls, Ill.
Eureka Co., The, North East, Pa.
Eureka Cotton Mills, cotton twine, Englewood, Tenn.
Eureka Cotton Mills, sheetings, Lancaster, S. C.
Eureka Fence Mfg. Co., Richmond, Ind.
Eureka Fire Brick Wks., Mount Braddock, Pa.
Eureka Fire Hose Mfg. Co., 50 Church, New York.
Eureka Fire Brick Works, 1508 First Nat'l Bank Bldg., Pittsburgh, Pa.
Eureka Flint & Spar Co., Lewis St., Trenton, N. J.
Eureka Fluid Wks., chemicals, 214 Valencia, San Francisco, Calif.
Eureka Foundry Co., Grove & Belt Ry. Crossng., Chattanooga, Tenn.
Eureka Granite Co., Hardwick, Vt.
Eureka Htg. & Ventg. Co., Saginaw, Mich.
Eureka Iron & Wire Works, 374 11th, San Francisco, Calif.
Eureka Machine Co., Lansing, Mich.
Eureka Machine Co., 2610 Vega Ave., S. W., Cleveland, O.
Eureka Mfg. Co., oilers, Council Bluffs, Iowa.
Eureka Mechanical Shovel Co., Virginia, Minn.
Eureka Mills Co., feed, 711 S. Theresa av., St. Louis, Mo.
Eureka Mower Co., Utica, N. Y.
Eureka Packing Co., (Metallic Packing), 78-80 Murray St., New York.
Eureka Paper Co., Fulton, N. Y.
Eureka Planing Mill & Lumber Co., Fostoria, O.
Eureka Pneumatic Spray Co., Inc., 8728 130th St., Brooklyn, N. Y.
Eureka Rubbing Stone Co., 157 W. Austin, Chicago, Ill.
Eureka Sash, Door & Moulding Mills, 1715 Mission, San Francisco, Calif.
Eureka Silk Mfg. Co., silk thread, Putnam, Conn.
Eureka Slate Mfg. Co., Ltd., Slatington, Pa.
Eureka Slate Quarries, Fair Haven, Vt.
Eureka Specialty Printing Co., 530 Electric St., Scranton, Pa.
Eureka Spring Co., 150 Bleecker St., New York.
Eureka Supply Co., archl. iron, Vol. Life Bldg., Chattanooga, Tenn.
Eureka Supply Co., terminal blocks, nails, elec. cable hangers & battery holders, Sewell, N. J.
Eureka Tool & Die Co., Inc., The, Dayton, O.
Eureka Vacuum Cleaner Co., 101 Broadway, Detroit, Mich.
Eureka Vibrator Co., 111 W. 42nd St., New York.
Eureka Water Heater Co., 37 W. Lake, Chicago, Ill.
European Knitting Mills, sweaters, cardigans, etc., 36 Stagg, Brooklyn, N. Y.
Eustis, J. P., Mfg. Co., bathroom accessories mfrs., Cambridge, Mass.
Eustis, Pennock & Co., 10 P. O. Square, Boston, Mass.
Euston Process Co., white & red lead mfrs., 500 Penn, Scranton, Pa.
Eutsler Bros., contractors, Grottoes, Va.
Evangeline Iron Works, Vinton, La., and Orange, Tex.
Evans & Calloway, lbr., Fowler, Ind.
Evans & Co., Almiral, 1 Dominick, New York.
Evans & Co., Inc., C. H., 183-187 Freemont St., San Francisco, Cal.
Evans & Co., E. S., Dime Bank Bldg., Detroit, Mich.
Evans & Co., John, 77 Hunt Ave., Boston, Mass.
Evans & Co., wool wadding, Lockport, N. Y.
Evans & Convery, 24 N. 6th, Philadelphia, Pa.
Evans & Coppins Co., machsts., Princeton, Ill.
Evans & Liddle, (Brooms & Brushes), Lockport, N. Y.
Evans & Retting Lumber Co., Logan St., S. W. Grand Rapids, Mich.
Evans & Sons, Richard, Johnston, N. Y.
Evans & Sons, S. W., 4623 Paul, Philadelphia, Pa.
Evans & Warner, architects, 210 S. Quince, Philadelphia, Pa.
Evans, A. J., Canning Co., Fort Valley, Ga.
Evans, A. J., New Orleans, La.
Evans, Andrew J., corn brooms, 1904 S. 7th, Terre Haute, Ind.
Evans, B., & Bros., masons' & bldrs.' matls., Norristown, Pa.
Evans, B. A., agricultural implements, Hammond, N. Y.
Evans-Bliss Co., 4325 Cottage Grove, Chicago.
Evans Bros., contractors, Lafayette, Ind.
Evans Bros. Constr. Co., 2312 Ave. F, Birmingham, Ala.
Evans, Chas., Jr., cardigans, sweaters, etc., Needham Heights, Mass.
Evans, Chas. P., sash, door & blind mfrs., Rochester, N. Y.
Evans Clay Mfg. Co., Uhrichsville, O.
Evans Creek Lbr. Co., Dorris, Calif.
Evans Estate, F. H., 31 Hewes, Brooklyn, N. Y.
Evans Friction Cone Co., Newton Highlands, Mass.
Evans, H. C., & Co., toys, games & nov., 1522 W. Adams, Chicago, Ill.
Evans, I. H., turpentine, Halcyon Dale, Ga.
Evans, John A., Co., ventg. app. for power plants, etc., Richmond, Ind.
Evans, John R., & Co., leather, 2d & Erie, Camden, N. J.
Evans Karbotype Mfg. Co., 210 Olive St., St. Louis, Mo.
Evans Lime & Stone Co., John, Marion, O.
Evans Linseed Oil Co., W. Michigan & Belt, Indianapolis, Ind.
Evans Lumber Co., G. H., 43rd St., Chattanooga, Tenn.
Evans Mfg. Co., Butler, Pa.
Evans Mill Supply Co., 212 Summer, Boston, Mass.
Evans Milling Co., cereal foods, W. Mich. & Belt., Indianapolis, Ind.
Evans Mold & Fdry Co., Uniontown, Pa.
Evans Oil Wks., York & McLean, Cincinnati, Ohio.
Evans, R. H., & Co., contrs., Grant av. & McCoy, Columbus, Ohio.
Evans Sons, Jno., 506 N. 13th, Philadelphia, Pa.
Evans Stamping & Plating Co., see Paragon Gear Works (successor).
Evans Stamping & Plating Co., Taunton, Mass.
Evans Steel Co., H. D., 133 Oliver St., Boston, Mass.
Evans Storage Battery Co., Camden, N. J.
Evans, T. L., Sons, stone producers, Danville, Pa.

EVANS, VICTOR J., & CO., patent attorneys, 724 Ninth St., N. W., Washington, D. C.

Evans, W. L., vanishing door hinges, wardrobes & telephone booths, Washington, Ind.
Evans, W. P., granite prod., Lithonia, Ga.
Evanston Bldg. Matl. Co., masons,' & bldrs.' matls., & contractors, Evanston, Ill.
Evansville Bookcase & Table Co., Dept. H, Evansville, Ind.
Evansville Brass Works, Evansville, Ind.
Evansville Broom Co., 417 Fares Ave., Evansville, Ind.
Evansville Canning Co., Evansville, Wis.
Evansville Coffin Co., 1601 Main, Evansville, Ind.
Evansville Desk Co., 1839 3rd av., Evansville, Ind.
Evansville Furniture Co., 316 W. Indiana St., Evansville, Ind.
Evansville Leather & Belting Co., 429-431 Sycamore, Evansville, Ind.
Evansville Mattress & Couch Co., 300 Cent. av., Evansville, Ind.
Evansville Metal Bed Co., 700 7th av., Evansville, Ind.
Evansville Oil Grease Co., Inc., 1900 Div., Evansville, Ind.
Evansville Overall Co., 1001 W. Frank, Evansville, Ind.
Evansville Packing Co., meat packers, Morgan av., Evansville, Ind.
Evansville Paint & Varnish Co., see Red Spot Paint & Varnish Co. (successor).
Evansville Planing Mill Co., 1510 N. Garvin St., Evansville, Ind.
Evansville Sand & Gravel Co., 204 Merchants Bank Bldg., Evansville, Ind.
Evansville Sash & Door Co., 204 Merchants Bank Bldg., Evansville, Ind.
Evansville Stone Wks., Evansville, Ind.
Evansville Stove Wks., Evansville, Ind.
Evansville Supply Co., 306 1st Ave., Evansville, Ind.
Evansville Surprise Bed Spring Co., Evansville, Ind.
Evansville Tool Wks., 701 W. Madison, Evansville, Ind.
Evansville Trunk Co., 215 Main St., Evansville, Ind.
Evansville Veneer Co., 100 Kentucky St., Evansville, Ind.
Evarts Machine Co., piston rings, 17 Frances av., Hartford, Conn.
Eveland, G. H., canned goods, Miamiville, Ohio.
Evens & Howard Fire Brick Co., 920 Market St., St. Louis, Mo.
Evensta, E. G., & Co., contrs., Blds.' Exch., Minneapolis, Minn.
Everard Mfg. Co., 154 Grand St., New York.
Everard-Yates Paint Co., 470 Treat av., San Francisco, Calif.
Everal, F. H., & Co., tile, Westerville, Ohio.
Ever Best Shingle Co., Everett, Wash.
Everbright Mfg. Co., auto polish & carriage top dressing, 409 Golden Gate av., San Francisco, Calif.
Ever Kold Co., Rialto Bldg., San Francisco, Calif.
Everding & Co., J., 80 Clay St., San Francisco, Cal.
Evered Fndry. & Mach. Wks., Superior, Wis.
Everest, W. S., carriages, Easthampton, N. Y.
Everett & Barron Co., shoe blacking & marking inks, 359 Canal, Providence, R. I.
Everett, A., & Son, letters & figures, Auburn, N. Y.
Everett Brass Foundry, bushings & castings, Everett, Wash.
Everett Brick Co., common, Everett, Wash.
Everett Bros., fertilizer mfrs., Rockingham, N. C.
Everett Constr. Co., Everett, Wash.
Everett Flour Mill Co., Everett, Wash.
Everett Fruit Products Co., canned gds., Everett, Wash.
Everett Hdwe. Co., whol., Rockingham, N. C.
Everett Iron Works, Everett, Wash.
Everett, J. A., hand seed sowers, 583 E. Wash., Indianapolis, Ind.
Everett Mfg. Co., wagon dump boxes, Newark, N. Y.
Everett Marine Ways, Inc., dry docks, Everett, Wash.
Everett Mills, denims, 120 Franklin, Boston, Mass.
Everett Packing Co., canned goods, Everett, Wash.
Everett Pulp & Paper Co., Lowell, Wash.
Everett Pulp & Paper Co., Everett, Wash.
Everett, R. B., & Co., contrs.' tools, 3112 Harrisburg blvd., Houston, Texas.
Everett Sash & Door Co., Everett, Wash.
Everett Shingle Co., lumber, Everett, Wash.
Everett Steel Co., Everett, Wash.
Everglade Cypress Co., Loughman, Fla.
Evergreen Lbr. Co., Puyallup, Wash.
Evergreen Stone Wks., Decatur & Myrtle, Brooklyn, N. Y.
Evergrip Gliding Caster Co., 261 Canal, New York.
Everhard Co., Massillon, O.
Everhard Mfg. Co., ball bearings, window screens, ventilators, etc., 317 Schroyer S. W., Canton, O.
Everhart Brass Works, 422 Penn. av., Scranton, Pa.
Everhot Manufacturing Co., First Ave. & Lake St., Maywood, Ill.

EVERITT CO., 267 Franklin, Boston 9, Mass.

Everitt, R. B., & Co., contrs.' equipt., 3118 Harrisburg blvd., Houston, Texas.
Everlasbestos Flooring Co., 101 North St., Rochester, N. Y.
Everlastik, Inc., webbing mfrs., 1107 Broadway, New York.
Everlastik, Inc., Webster & Spencer Aves., Chelsea, Mass.
Everlasting Valve Co., 1 Exchange Pl., Jersey City, N. J.
Everplay Needle Co., see Willat Production Co. (successor).
Ever-Ready Heater Co., 211 S. Spring St., Los Angeles, Cal.
Ever-Ready Oil Co., Ridgewood, N. J.
Ever Ready Roll Label Co., Inc., 45 Crosby, New York.
Evers, Geo. C., cornices & skylights, 121 N. Division, Spokane, Wash.
Evers, Henry A., steel stamps, 44 Washington, Providence, R. I.
Evers, Jno., Estate, molding sand, Waterford, N. Y.
Eversole, A. B., ties & poles, Buckhorn, Ky.
Everson & Co., granite, Rutland, Vt.
Everson & Reed Co., 38 Chambers St., New York.
Everson, C. G., & Co., elec. & gas light fixtures, 70 W. Lake, Chicago, Ill.

EVERSON FILTER CO., 647 N. Green St., Chicago. Pres. & Treas.—R. B. Everson. V. P. & Secy.—C. G. Everson.

Everstick Anchor Co., The, 1622-1624 N. 8th St., St. Louis, Co.
Ever-Tight Piston Ring Co., 1800 Kingsland, St. Louis, Mo.
Ever-Tyte Piston Ring Div., Walter A. Zelnicker Supply Co., St. Louis, Mo.
Everts & Overdeer Co., Lancaster, Pa.
Everts Mfg. Co., Meridian, N. Y.
Everwear Mfg. Co., playground equipment, Springfield, O.
Everybody's Vacuum Cleaner Co., 80 5th av., New York.
Everyday Piston Ring Co., Inc., East Rochester, N. Y.
Every Way Signal Co., 1714 S. Grand, Los Angeles, Calif.

Eves, A. W., lbr., Iola, Pa.
Evick, Thomas A., flour mills, Ceredo, W. Va.
Evinrude Motor Co., The, 27th & Lake Sts., Milwaukee, Wis.
Evrbest Milling Corp., flour & feed, Corry, Pa.

EWALD IRON COMPANY, INC., Louisville, Ky.
Pres.—Baylor Hickman.
V. P. & Treas.—G. O. Boomer.
Chicago—346 Railway Exchange Bldg., Stephen F. Sullivan, V. P. & Gen. Sales Mgr.
Louisville, Ky.—R. F. Kilpatrick, H. E. Pierce.
New York—33 W. 42nd St., John P. Bourke, Eastern Sales Mgr.
St. Paul, Minn.—820 Pioneer Press Bldg., E. V. Shackleford, Resident Sales Mgr.

Ewbank Elec. Transmission Co., auto bldrs., Portland, Ore.
Ewing, B., flour mills, Springville, Ala.
Ewing, Thomas L., furn., Dept. H, Springfield, Ill.
Excavating & Screening Machy. Co., conveyors & screens, 695 Raymond av., St. Paul, Minn.
Excel Mfg. Co., furniture, Dept. H, Rockford, Ill.
Excel Mfg. Co., Pottersville, N. J.
Excel Mfg. Co., tool & machine works, 7 Sherman, Charlestown, Mass.
Excel Radio Co., receivers, Mount Vernon, N. Y.
Excell Mfg. Co., conductors, ticket & spring punches, New Haven, Conn.
Excello Manufacturing Co., The, 1836 Euclid, Cleveland, O.
Excello Products Co., auto jacks, 1032 N. Highland Drive, Los Angeles, Calif.
Excello Products Corp., 4820 W. 16th St., Cicero, Ill.
Ex-Cell-O Tool & Mfg. Co., Inc., 1214 Beaubien St., Detroit, Mich.
Excelsior Bobbin & Spool Co., Newtown, Pa.
Excelsior Box Co., 311 S. Jefferson, Chicago, Ill.
Excelsior Brass Wks., machsts., 1168H Bryant, San Francisco, Calif.
Excelsior Brass Works, Reading, Pa.
Excelsior Brick Co., Benson av. nr. Caton, Baltimore, Md.
Excelsior Brick Co., Fredonia, Kan.
Excelsior Brick Co., Menomonie, Wis.
Excelsior Brick Co., Montgomery, Ala.
Excelsior Brick Co., 1800 S. York, Denver, Colo.
Excelsior Brick Co., Haverstraw, N. Y.
Excelsior Buggy Co., carriages, Goshen, Ind.
Excelsior Car Roof Co., E. St. Louis, Ill.
Excelsior Carriage Co., Watertown, N. Y.
Excelsior Cereal Milling Co., 726 Santa Fe av., Los Angeles, Calif.
Excelsior Chemical Co., 426 Bryant, San Francisco, Calif.
Excelsior Cycle Store, machinists, 5340 Broadway, Chicago, Ill.
Excelsior Cypress Co., Timberton, La.
Excelsior Drill Co., agricultural implements, Springfield, Ohio.
Excelsior Fire Clay Co., Lisbon, O.
Excelsior Foundry Co., Inc., Belleville, Ill.
Excelsior Granite Co., Montpelier, Vt.
Excelsior Hardware Co., Stamford, Conn.
Excelsior Illustrating Co., Inc., 219 Sixth Ave., New York.
Excelsior Knitting Machine Mfg. Co., 747 Meadan, Allentown, Pa.
Excelsior Leather Washer Mfg. Co., Inc., 323-329 Cedar St., Rockford Ill.
Excelsior Lock & Hdwe. Co., Lancaster, Pa.
Excelsior Loom Reed Wks., Pawtucket, R. I.
Excelsior Machine Works, 2316 E. 52nd, Los Angeles, Calif.
Excelsior Motor Mfg. & Supply Co., 3701 Cortland St., Chicago.
Excelsior Nickel Plating Wks., 40 Clifford, Providence, R. I.
Excelsior Oak Tanning Co., 918 Dumesnil, Louisville, Ky.
Excelsior Package Handle Co., 118 N. 2nd, Philadelphia, Pa.
Excelsior Pearl Wks., 178 Grand, New York.
Excelsior Plating Co., padlock locks, Lancaster, Pa.
Excelsior Pocahontas Coal Co., Excelsior, W. Va.
Excelsior Powder Mfg. Co., dynamite mfrs., 400 Gumbel Bldg., Kansas City, Mo.
Excelsior Press Brick Co., 1010 Chestnut, St. Louis, Mo.
Excelsior Printing Co., 721 Federal St., Chicago.
Excelsior Pulley Co., Cuba, N. Y.
Excelsior Seat Co., carriage bodies, 5th av., & River rd., Columbus, Ohio.
Excelsior Slate Co., Robinson Ave., Pen Argyl, Pa.
Excelsior Steam Engine & Mach. Co., 32 Friendship, Providence, R. I.

EXCELSIOR STEEL BALL CO., Box 52, Buffalo, N. Y.
Pres.—John J. Lenahan.
V. P.—Edward A. Jones.
Sec. & Mgr.—David Roughead.
Treas.—Richard N. Kell.

Excelsior Steel Furnace Co., 118 S. Clinton St., Chicago.
Excelsior Stove & Mfg. Co., Quincy, Ill.
Excelsior Supply Co., 16 Carroll St., Buffalo, N. Y.
Excelsior Supply Co., excelsior, 40th & King, Cleveland, Ohio.
Excelsior Tool & Gauge Co., spec. tools, 1535 Temple av., Detroit Mich.
Excelsior Tool & Mach. Co., E. St. Louis, Ill.
Excelsior Traveling Goods Co., 211 N. Carpenter St., Chicago.
Excelsior Trunk Co., 704 Delaware St., Kansas City, Mo.
Excelsior Umbrella Mfg. Co., 119 Summer, Boston, Mass.
Excelsior Valve Co., 108 Fulton, New York.
Excelsior Varnish Works, 1242 W. 74th, N. W., Cleveland, Ohio.
Excelsior Varnish Wks., 261 Broadway, New York.
Excelsior Wrapper Co., excelsior pads, Sheboygan, Wis.

EXCELSIOR WRAPPER COMPANY, 224 W. Kinzie St., Chicago.
Pres.—Albert N. Hodge.
V. P.—Thos. E. Boyle.
Sec.—G. W. Kent.
Treas.—E. A. Mavis.

Excelsior Yarn Co., New York.
Excelso Specialty Works, 119 Clinton St., Buffalo, N. Y.
Excelvalve Co., valves, etc., 250 W. 57th, New York.
Exchange Lbr. & Mfg. Co., sashes, 2615 Cincinnati, Spokane, Wash.
Exchange Lumber Co., Roanoke, Va.
Exchange Mill Co., flour, Grafton, W. Va.
Exchange Sawmills Sales Co., 1116 R. A. Long Bldg., Kansas City, Mo.
Exchange Supply Co., Tampa, Fla.
Exclusive Advtg. Co., advtg. nov., Oak Park, Ill.
Exell Manufacturing Co., The, 163 Brewery St., New Haven, Conn.
Exeter Brass Works, Exeter, N. H.
Exeter Machine Works, Inc., West Pittston, Pa.
Exeter Mfg. Co., cotton sheetings, Exeter, N. H.
Exhibitors Supply Co. (Theatre Aisle Lights), 825 S. Wabash Ave., Chicago.
Exline & Son, machinists, North Baltimore, Ohio.
Expanded Metal Engineering Co., 523 W. 33rd, New York.
Expanded Metal Safety Guard Co., 14th St. & Vernon Ave., Long Island City, N. Y.
Export & Shipping Journal, trade publishers, Graphic Arts Bldg., Portland, Ore.
Export Cooperage Co., Leslie, Ark.
Export Phosphate Co., 87 Milk, Boston, Mass.
Exportador Am., trade publication, 370 7th av., New York.
Exporters & Importers Journal, 17 State, New York.
Exposition Cotton Mills, cotton sheetings, Atlanta, Ga.
Express Spark Plug Co., 1367 Penn. av., Washington, D. C.
Extensive Mfg. Co., The, 116 Nassau St., New York.
Eyelet Tool Co., 190 Dorchester Ave., Boston, Mass.
Eymon Crossing Co., The, McNeal-Wolford Bldg., Marion, O.
Eynon-Evans Corp., 15th and Clearfield Sts., Philadelphia, Pa.
Eyring, E., & Sons, contrs., 3501 Fait av., Baltimore, Md.
Eyster Linen Co., R. W., 618 S. Wabash Ave., Chicago.
Eyster, Welser Co., machsts. & fndrs., York, Pa.
Ezell-Griffin Co., fertilizer, Eatonton, Ga.
Ezzell Mill & Stone Co., Newsoms Station, Tenn.
F. A. B. Mfg. Co., auto brakes, barrel pumps, etc., 1856 7th, Oakland, Calif.
F-B Manufacturing Co., 1228 Intervale Ave., New York.
F. P. Screw Company, The, Cleveland, O. (Now The Cleveland Cap Screw Co.)
F. R. X. Mfg. Co., hand chemical fire extinguishers, Norwalk, Ohio.
F. & E. Check Protecting System, 608 S. Dearborn st., Chicago, Ill.
F. & H. Foundry Co., Inc., Newark, N. J.
F. & L. LEATHER GOODS CO., 1753 N. Robey St., Chicago.
F. & N. Lawn Mower Co., Richmond, Ind.
F. & O. Cedar Wks. (Ltd.), 40 Murray, New York.
F. & S. ENGRAVING WORKS, 1950 N. Kedvale Ave., Chicago.
F. & S. Motors Co., 219 Becher, Milwaukee, Wis.
Faas, Chas. R., machsts., 34 S. 6th, Brooklyn, N. Y.
Faber & Son, H. C., Utica, N. Y. (Trunks).
Faber, A. W., Newark, N. J.
Faber Co., S. W., Brooklyn, N. Y.
Faber, Eberhard, fountain pen & crayon mfr., 200 5th av., New York.
Faber, Eberhard Rubber Co., erasers, Newark, N. J.
Faber, F. H., & Co., slaughter house machy. dlrs., Peoria, Ill.
Faber, Jacob, trunk mfrs., 1955 E. 9th, Cleveland, Ohio.
Faber, L., Jr., & Sons, contractors, Carlisle, Pa.
Faber Pencil Co., Eberhard, 57 Greenpoint Ave., Brooklyn, N. Y.

FABREEKA BELTING COMPANY (belting for transmission and conveyors), 120 High St., Boston, Mass.
Branch Stores Carrying Stock:
ILL.—Chicago—170 North Franklin St.
N. Y.—New York—523-29 Eighth Ave.
PA.—Philadelphia—514 Arch St.
Distributors:
ALA.—Montgomery—Alabama Mach'y & Supply Co.
CAL.—San Francisco—Pacific Mill & Mine Sup. Co.
GA.—Atlanta—Fulton Supply Co.
Augusta—Lombard Iron Works & Supply Co.
Savannah—Pierce, Butler & Pierce Mfg. Co.
ILL.—Chicago—Seehausen Wehrs & Co.
IND.—Evansville—Evansville Supply Co.
Indianapolis—Indianapolis Belting & Supply Co.
KANS.—Leavenworth—Great Western Mfg. Co.
KY.—Louisville—Andrew Cowan Co.
ME.—Portland—W. L. Blake & Co.
MICH.—Detroit—H. D. Edwards & Co.
MINN.—St. Paul—F. T. Hildred & Co.
N. J.—Passaic—New Jersey Engineering & Sup. Co.
N. Y.—Hudson-Jones & Hardy.
N. C.—Charlotte—Textile Mill Supply Co.
Raleigh—Dillon Supply Co.
Wilmington—Hyman Supply Co.
O.—Cincinnati—Queen City Supply Co.
Columbus—Columbus Belting & Supply Co.
Toledo—National Supply Co.
PA.—Philadelphia—Spaulding & Metcalf.
Pittsburgh—Johnston, Morehouse & Dickey Co.
R. I.—Pawtucket—W. K. Toole Hardware Co.
S. C.—Greenville—Carolina Supply Co.
Spartanburg—Montgomery & Crawford.
TEX.—Galveston—Paul Shean Co.
Houston—W. H. Steigerwald Co.
San Antonio—Alamo Iron Works.
VA.—Richmond—Smith Courtney Co.
WIS.—Milwaukee—Factory Equipment Co.

Fabric Fire Hose Co., 127 Duane, New York.
Fabric Roll Protector Co., South Bend, Ind.
Fabry, T. P. J., wood carver, Rochester, N. Y.
Fabyan Woolen Co., Stafford Springs, Conn.
Fachule, J., Sons, carriages, Middleport, O.
Factory & Mill Supply Co., mach. tools, new & second hand, 137 Oliver, Boston, Mass.
Factory Equipment Co., 122 W. Water St., Milwaukee, Wis.
Factory Magazine of Management, trade publication, Cass, Huron & Erie, Chicago, Ill.
Factory Supply Co., The, 40 E. Kinzie St., Chicago.
Factribilt Company, 1828-9th St., S. Seattle, Wash.
Factribilt Co., wooden sectional houses, 1542 4th S., Seattle, Wash.
Fadeley, Harrison, flour mills, Edinburg, Va.
Fadum, Fred'k, & Son, machsts., 408 W. Redwood, Baltimore, Md.
Faessler Mfg. Co., J., Moberly, Mo.
Faetk Co., The, 1125 W. 8th St., Kansas City, Mo.

FAFNIR BEARING COMPANY, THE, Booth St., New Britain, Conn.
Chrmn. of the Board—Howard S. Hart.
Pres.—Elisha H. Cooper.
V. P.—R. R. Searles.
V. P. & Sec.—Maurice Stanley.
Asst. Sec.—E. R. Carter, Jr., R. H. Hemenway.
Treas.—Alfred G. Way.
Asst. Treas.—G. F. Atwater.
Branch Offices:
ILL.—Chicago—R. M. Ring, Mgr., 2131 S. Michigan Ave., Wabash 0159.
MICH.—Detroit—M. Howard Cox, Mgr., 120 Madison Ave., Cadillac 2212.
N. J.—Newark—George Barenborg, 271 Central Ave.
O.—Cleveland—E. B. Hand, Mgr., 1016-1017 Swetland Bldg.
Distributors:
ALA.—Birmingham—Southern Bearing Co., 303 S. 20th St.
ARIZ.—Phoenix—Phoenix Auto Supply Co., 3rd Ave. & Washington St.
Tucson—Vasey Rubber Co., 6th Ave. & Broadway.
ARK.—Little Rock—Crow-Burlingame Co., 3rd & Cumberland St.
CALIF.—Los Angeles—The Pacific Ball Bearing Co., 415 West Pico St.
Modesto—Stanislaus Auto Supply Co.
Sacramento—Henderson Bros., 916 12th St.
San Francisco—The F. Somers Peterson Co., 57 California St., Sutter 5416.
Santa Rosa—Battery Shop, 414-416 Mendocino St.
Stockton—W. L. Maxwell Company, 228 N. El Dorado St.
COLO.—Denver—M. L. Foss, 1725 California St.
CONN.—Hartford—The Kenyon Bearings Co., Inc., 229 High St.
New Britain—Rackliffe Bros. Co., 256 Park St.
New Haven—Connecticut Bearing Co., 294 York St.
C. S. Mersick Company, 278 State St.
D. C.—Washington—Washington Bearings Corp., 1322 14th St., N. W.
FLA.—Jacksonville—Southern Bearing Co., 521 Forsythe St.
Welder's Supply Co., 117 Cedar St.
Tampa—Wholesale Auto Supply House of Tampa, 309-11 Washington St.
GA.—Atlanta—Fulton Supply Co.
Southern Bearing Company, 375 Edgewood Ave.
Columbus—Golden's Foundry & Machine Co.
Macon—A. S. Hatcher Co., Second & Poplar St.
ILL.—Chicago—Reeves-Bond Sales Co., Clinton & Monroe St., Main 2048.
Danville—Cohen Auto Parts Co., 110 West Main St.
IND.—Evansville—Lain Co.
Fort Wayne—The National Mill Supply Co.
Indianapolis—John B. Quirk, 317 N. Capital Ave.
IA.—Cedar Rapids—Cedar Rapids Auto Supply Co.
Davenport—Steg Company, 500-516 Iowa St.
Des Moines—Bernhard & Turner Automobile Co., 506 W. 7th St.
KY.—Louisville—Laib Company.
Louisville—Robbins & Co., 4617 Brewster St.
LA.—New Orleans—Auto Parts Co., Inc., 636 Carondelet St.
MD.—Baltimore—The Motor Parts Corporation, 1419 N. Charles St.
Hagerstown—Ludwig Tire & Accessories Co.
MASS.—Boston—Bearing Specialty Co., 169 Massachusetts Ave., Kenmore 2210.
Falls Clutch & Machinery Co., 52 Purchase St., Main 5361.
Lewis E. Tracy Company, 127-133 Broad St., Congress 1836.
New Bedford—Babbitt Steam Specialty Co., Water St.
Springfield—E. S. Stacy Supply Co., 41-43 Taylor St.
Worcester—Duncan & Goodell Co., 404 Main St.
MICH.—Detroit—Auto Electric & Service Corp., 91-109 Seldon Ave., Glendale 4121.
The Detroit Ball Bearing Co., 3958 Cass, Glendale 2509.
Grand Rapids—McMullen Machinery Company, 64-66 Ionia Ave., S. W.
MINN.—Minneapolis—Wilcox Trux Co.
MO.—St. Louis—E. M. & W. Engineering Co., 202 N. Second St., Olive 933.
MONT.—Billings—Hines Motor Supply Co.
Butte—Butte Automobile Co., 25 E. Galena St.
Crawley Motor Supply Co., 135 Broadway.
NEBR.—Omaha—John Day Rubber & Supply Co.
N. H.—Manchester—John B. Varick Company.
N. J.—Camden—Commercial Motors & Parts Co.
Trenton—Wiley-Hughes Supply Co., New York Ave. & Spruce St.
N. Y.—Albany—C. E. Shippey, 376 Central Ave.
Amsterdam—J. E. Larrabee Company, 3 & 5 Market St.
Brooklyn—P. J. Treiber Co., 560 St. Marks Ave.
Buffalo—Bickford & Francis Belting Co., 35 Pearl, Seneca 5063.
Gloversville—J. E. Sowle, 26 S. Main St.
New York—Automotive Electric Service Co., 206 Amsterdam Ave., Endicott 9400.
Rochester—Cross Brothers Co., Inc., 112-114 Mill St.
Syracuse—Hunter L. Betts, 406-408 S. Franklin St.
Burr-Fowler Co., 143-145 Seymour St.
Troy—Barnum Bros. Co., 179 River St.
Utica—Langdon & Hughes Electric Co., 229-233 Elizabeth St.
N. C.—Charlotte—Southern Bearing Co., 12 South Poplar St.
Raleigh—Motor Bearings & Parts Co., 10 East Davie St.
Winston-Salem—Southern Bearing Company.
O.—Canton—Scioto Valley Supply Co., 210-216 Piedmont Ave., S. E.
Cincinnati—Automotive Bearings & Equipment Co., 205-7 East Eighth St.
Cleveland—W. Bingham Company, 1278-1298 West 9th St.
Cleveland Ignition Co., E. 22nd & Chester Ave.
Ohio Ball Bearing Co., 6537 Euclid Ave.
Columbus—Osborne & Sexton Machinery Co., 4th & Russell Sts.
Dayton—Patterson Tool & Supply Co., 123-125 E. Third St.
Springfield—Ross-Willoughby Co., 23-25 N. Center St.
Toledo—The Bostwick Braun Co., Summit & Monroe Sts.
OKLA.—Ardmore—Anderson's Auto Salvage.
Cushing—O. K. Vulcanizing Co.
Guthrie—Getlack Bros.
Oklahoma City—Sharp Auto Supply Co., 406 N. Broadway.
Okmulgee—L. & M. Motor Supply Co.
ORE.—Portland—West Bearing Company, 452 Burnside St.
PA.—Allentown—The Lehigh Valley Supply Co.
Erie—Erie Mfg. & Supply Co.
Hazelton—Automobile Supply Company.
Johnstown—Johnstown Bearing & Supply Co., 77-79 Baumer St.
Lancaster—Reilly Bros. & Raub, 44-46 North Queen St.
Philadelphia—Robert L. Latimer & Co., 24-28 N. Front St., Market 0335.
P. D. Q. Company, 709 N. Broad St., Poplar 7912.
Pittsburgh—Condon Bearing & Supply Co., 4642 Baum Blvd., Schenly 1632.
Transmission & Belting Co., 325 Second Ave., Court 2372.
Reading—General Engineering Co., Inc., 813-815 Walnut St.
R. I.—Providence—Belcher & Loomis Hdwe. Co., 83-91 Weybosset St.

(Continued on following page)

FAFNIR BEARING CO., THE—Continued.
S. C.—Columbia—Jenkins Automotive Parts Service, Inc., 1220 Hampton Ave.
TENN.—Chattanooga—James Supply Company, 1104-1112 Market St.
Memphis—J. E. Dilworth Company, 493 S. Main St.
Guaranteed Auto Parts Co., 288 Monroe St.
Nashville—Automobile Bearing Co., 620 Commerce St.
Nashville Machine & Supply Co., 119-135 Third Ave., N.
TEX.—Beaumont—Simmonds Motor & Machine Co., 345 Pine St.
Dallas—Briggs-Weaver Machinery Co.
El Paso—Western Battery & Magneto Co., 315 East Missouri.
Fort Worth—Motor Parts Station, 1505 Commerce St.
The Texas Manufacturing Co.
Paris—W. F. Dulaney & Sons.
San Antonio—The Krueger Machinery Co.
Waco—D. June Machinery Company.
Wichita Falls—C. H. Foley, 701 Tenth St. at Indiana Ave.
Petrolia Supply Company.
VA.—Lynchburg—Southern Parts & Bearing Co.
Norfolk—Norfolk Motor Equipment Corp., 217-219 Bank St.
Richmond—Motor Parts Corp., 513 West Broad St.
WIS.—Milwaukee—Factory Equipment Co., 122 W. Water St.
WYO.—Casper—The Wyoming Automotive Co.
Rawlins—Rawlins Motor Co.

FOREIGN:
CAN.—Montreal—Williams & Wilson, Ltd., 84 Inspector St.
Elmira, Ont.—Elmira Machinery & Transmission Co., Ltd.
Quebec—Williams & Wilson, Ltd., 203 St. John St.
Toronto—Auto Starter & Generator Repair Co., 557A Yonge St.
MEX.—Mexico, D. F. The General Supply Co., S. A. Av. Isabel Ka Catolica.

Fagan Iron Wks., Jersey City, N. J.
Fagan, Jas., & Son, packing box mfrs., 204 W. Houston, New York.
Fageol Motors Co., Oakland, Calif.
Fager, G. C., & Sons, cornices, Harrisburg, Pa.
Faget Engineering 535 Howard St., San Francisco, Cal.

FAHNESTOCK ELECTRIC CO., 141 East Ave., Long Island City, N. Y.
Distributors:
ALA.—Birmingham—Interstate Electric Co.
Western Electric Co.
CALIF.—Los Angeles—Marshall & Co., Western Distributors, 323 Union League Bldg.
COLO.—Denver—Hendrie & Bolthoff Mfg. & Sup. Co.
Reynolds Radio Co.
Western Electric Co.
CONN.—New Haven—C. S. Mersick Co.
Western Electric Co.
D. OF C.—Washington—National Elec. Supply Co.
DEL.—Wilmington—Wilmington Elec. Specialty Co.
GA.—Atlanta—Western Electric Co.
ILL.—Chicago—Barawik Co., 102 S. Canal St., Dearborn 3419.
Western Electric Co., 500 S. Clinton St., Wabash 3000.
LA.—New Orleans—Interstate Electric Co.
Western Electric Co.
MASS.—Boston—F. D. Pitts Co., 12 Park Square, Beach 1970.
Wetmore Savage Co., 76 Pearl St., Congress 1900.
MICH.—Detroit—Commercial Elec. Sup. Co., 138 E. Congress St., Main 4668.
Detroit Electric Co., 113 E. Jefferson St., Main 7830.
MINN.—Minneapolis—Laird Electric Co.
Reinhard Bros.
Sterling Electric Co.
Western Electric Co.
St. Paul—Northwestern Elec. Equip. Co.
MO.—St. Louis—Commercial Elec. Supply Co., 320 S. Broadway, Main 1292.
Western Electric Co., 814 Spruce St., Main 1611.
MONT.—Butte—Montana Elec. Co.
NEB.—Omaha—McGraw Co.
Western Electric Co.
N. J.—Newark—Eagle Radio Co.
Radio Distributing Co.
N. Y.—New York—J. H. Bunnell Co., 32 Park Place, Whitehall 5970.
Manhattan Elec. Sup. Co., 17 Park Place, Barclay 6900.
Spartan Electric Corp., 99 Chambers St., Worth 2773.
Stanley & Patterson, 23 Murray St., Canal 5200.
Syracuse—Mohawk Elec. Sup. Co.
Robertson-Cataract Elec. Co.
N. C.—Charlotte—Western Electric Co.
N. D.—Fargo—Fargo Plumbing & Heating Co.
OHIO—Cincinnati—Milnor Electric Co.
Western Electric Co.
Cleveland—Erner Electric Co.
Luetkemeyer Co.
Western Electric Co.
Columbus—Erner & Hopkins Co.
Toledo—Nagel Electric Co.
PA.—Philadelphia—H. C. Roberts Elecl. Sup. Co., 11th & Race St., Filbert 5850.
Pittsburgh—Ludwig Hommel Co., 530 Farmando St., Smithfield 2585.
R. I.—Providence—Western Electric Co.
TENN.—Memphis—Electrical Supply Co.
TEX.—Dallas—Southwest General Electric Co.
Western Electric Co.
VA.—Norfolk—Woodhouse Electric Co.
WASH.—Seattle—Northern Radio & Elec. Co.
WIS.—Milwaukee—Julius Andrae & Sons Co.

Foreign:
CANADA—Winnipeg, Toronto, Montreal—Northern Electric Co.

Fahnestock Mfg. Co., The, Avonmore, Pa.
Fahnle & Dietrich, cornices, 537 Oliver, Cincinnati, Ohio.
Fahnstock & Miller, mattresses, Chambersburg, Pa.
Fahrig Metal Co., 34 Commerce, New York.
Fahrney, E. B., Waynesboro, Pa.
Fahys, Jos., & Co., watch case mfrs., 20 W. 47th, New York.
Failing-McCalman Co., 88 Front St., Portland, Ore.
Falls, N. B., Lubricating Co., Prudential Bldg., Buffalo, N. Y.
Fain & Sons, F. A., Fresno, Cal.

Fain Knitting Mills, sweaters, cardigans, etc., 902 Park av., Brooklyn, N. Y.
Fair & Son, Inc., S., Saginaw, Mich.
Fair, D. J., Lumber Co., Sterling, Kan.
Fair Foundry Co., W. Oldham St., Knoxville, Tenn.
Fair, Geo., & Son, agricultural implements, Blaine, Mich.
Fair Haven Foundry & Machine Co., Fair Haven, Vt.
Fair Haven Marble & Marbleized Slate Co., Fair Haven, Vt.
Fair Mfg. Co., arch'l iron & structural steel, 617 Bryant, San Francisco, Calif.
Fair, Perry W., Bass blk., Ft. Wayne, Ind.
Fair Play Canning Co., Fair Play, Mo.
Fairbairn & Co., labels & gummed tapes, 128 Halleck, San Francisco, Calif.
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Chicago.—Hodgart & Co.
Milwaukee, Wis.—L. E. Meidinger.
New York—84 Pine St., R. C. Brown.
Portland, Ore.—Coast Steel Machy. Co.
San Francisco, Cal.—K. W. Eichelberger.

Faxon & Gallagher Drug Co., whol. & retail plate & window glass, 80 Broadway, Kansas City, Mo.
Fay & Bowen Engine Co., Geneva, N. Y.
Fay & Co., Inc., John B., 428 Sansom St., Philadelphia, Pa.

FAY & EGAN CO., J. A., 2860-2960 Robertson Ave., Cincinnati (Oakley), O.
Pres.—Clifford P. Egan.
V. P.—S. P. Egan.
Second V. P.—F. T. Egan.
Gen. Mgr.—R. W. Egan.
Sec.—W. M. Green.
Treas.—A. A. Faber.
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Cleveland, O.—1288 Fry St., Lakewood, W. H. Kolter.
Denver, Colo.—17th and Blake Sts., Mine & Smelter Supply Co.
Grand Rapids, Mich.—629 Prince St., S. E., Guy M. Davis.
Indianapolis, Ind.—1449 Fairfield St., W. H. McMillan.
Jacksonville, Fla.—1141 Talleyrand Ave., Franklin F. Davis.
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Nashville, Tenn.—No. 2 University St., Jno. H. Stewart.
New Orleans, La.—922 Carondelet Bldg., Edwin H. Vigo.
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Norfolk, Va.—110 W. 25th St., Howard G. Estes.
Pittsburgh, Pa.—327 Water St., Somers-Fitler & Todd Co., W. H. Haggard.
St. Louis, Mo.—6615 University Drive, J. B. Temple.
St. Paul, Minn.—Minnesota Mch. Supply Co.
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San Francisco, Cal.—260-266 Spear St. To give our customers on the Pacific Coast prompt deliveries and the benefit of carload freight rates, we carry a line of standard machines in stock in our San Francisco warehouse.

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Fay Belting Co., leather, 151 Lafayette, New York.
Fay Bros., machy. dlrs., Jeanerette, La.
Fay Bros. & Co., lumber mfrs., Cedar Rapids, Iowa.
Fay, Edward, & Son, building contractors, 2 S. Mole, Philadelphia, Pa.
Fay Improvement Co., Phelan Bldg., San Francisco, Calif.
Fay-Kultgen Fdy. Co., St. Joseph, Mich.
Fay Mach. Tool Co., see Jones & Lamson Mach. Co. (successor).
Fay, Robert, pianos, 567 Valencia, San Francisco, Calif.
Fayette Canning Co., Fayette & Washington Court House, Ohio.
Fayette Coal Corp., bituminous, 1st Nat'l Bank Bldg., Pittsburgh, Pa.
Fayette Coke Co., New Salem, Pa.
Fayette Lumber Co., Connellsville, Pa.
Fayetteville Canning Co., Fayetteville, Ark.
Fayetteville Mfg. Co., butchers' blocks, Fayetteville, N. Y.
Fayetteville Milling Co., flour, Fayetteville, Tenn.
Fayetteville Oil Co., Fayetteville, Ga.
Fead, John L., & Sons, knitted gloves, Port Huron, Mich.
Feany Tool Co., Bridgeport, Conn.
Fear, Fred, Match Co., Bloomsburg, Pa.
Fearey, Al. M., Co., heaters, 4377 Adeline, Oakland, Calif.
Fearless Dishwasher Co., Inc., 175-179 Calvin St., Rochester, N. Y.
Fearnley, Arthur J., tex. machy., supplies (slashers, reeds), 2002 Rabe av., Fall River, Mass.
Fearon Brown Co., camphor, oils, 96 Wall, New York.
Fearon Fdry. Co., 1420 W. Kinzie St., Chicago.
Fearon Lumber & Veneer Co., Ironton, Ohio.
Featherbone Whip Co., Westfield, Mass.
Featheredge Rubber Co., rubber sponge mfrs., 340 N. Huron st., Chicago, Ill.
Featherweight Eyeshade Co., The, Merchantsville, N. Y.
Febrey, E. J., & Co., heating contractors, 616 N. Y. av., Washington, D. C.
Fechelmer Bros. Co. (Uniform Tailors), Pugh Bldg., Cincinnati, O.

FECHHEIMER, D., General Offices, 20 E. Jackson Blvd., Chicago.
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Fedders Mfg. Co., Inc., 57 Tonawanda, Buffalo, N. Y.
Fedeli, A. F., Co., contrs., States Bank Bldg., Baltimore, Md.
Federal Adding Machine Corp., 35 E. 21st St., New York.

Federal Addressing Machine Corp., 11 Goodell St., Buffalo, N. Y.
Federal Armored Cable Co., 609 W. 48th St., New York.
Federal Asbestos Co., Inc., 931-5 30th St., Milwaukee, Wis.
Federal Asbestos Co., brake lining, Paterson, N. J.
Federal Bearing & Bushing Corp., 11031 Shoemaker, Detroit, Mich.
Federal Bearing Co., Inc., Poughkeepsie, N. Y.
Federal Brass & Bronze Co., machsts.' & fndrs.' castings, Ridge, Astoria, N. Y.
Federal Brass Foundry Co., castings, 5332 Santa Fe av., Los Angeles, Calif.
Federal Brass Mfg. Co., plumbing, brass goods, 1761 E. 27th, Cleveland, Ohio.
Federal Brass Works, 3100 S. Kedzie Ave., Chicago.
Federal Bridge & Structural Co., Waukesha, Wis.
Federal Bridge Co., Des Moines, Iowa.
Federal-Buster Corp., 300-304 Lexington Ave., Pittsburgh, Pa.
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FEDERAL CEMENT TILE CO., 608 S. Dearborn St., Chicago.
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Treas. Gen. Counsel—Wm. Wilhartz.

Federal Chemical Co., fertilizer mfrs., phosphate rock, Louisville, Ky.
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Federal Composition & Paint Co., Ltd., 17 Battery Pl., New York.
Federal Concrete Co., 667 Wyoming, Buffalo, N. Y.

FEDERAL CONTAINER CO., corrugated fibre products, 56th & Paschall av., Philadelphia, Pa.

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Federal Creosoting Co., 401 W. Main St., Louisville, Ky.
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Federal Enam. & Stamping Co., ash cans, Thompson & Chartiers, Pittsburgh, Pa.
Federal Engineering Co., 3240 S. Michigan Ave., Chicago.
Federal Engng. Co., punching & rubber vulcanizing machy., Drexel Bldg., Philadelphia, Pa.
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Federal Filter Co., see Klemm & Co. (successors).
Federal Fdy. Co., 502 S. Harris, Indianapolis, Ind.
Federal Foundry Co., Fresno, Calif.
Federal Foundry Supply Co., 2639-51 E. 79th St., Cleveland, O.
Federal Furnace Co., 108 & Calumet River, Chicago, Ill.
Federal Gauge Co., The, 564 W. Adams St., Chicago.
Federal Gear Co. of Cleveland, Cleveland, Ohio.
Federal Glass Co., Innis Ave., Columbus, O.
Federal Glue Co., 200 N. Jefferson St., Chicago.
Federal Graphite Mills, (now Federal Fdry. Supply Co.).
Federal Hardware Co., contrs.' & mill supplies, 447 Greenwich, New York.
Federal-Huber Co., 234 N. Halsted St., Chicago.
Federal Ink & Chemical Co., inks, 2323 5th, Seattle, Wash.
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Federal Knitting Mills Co., cardigans, sweaters, Detroit & W. 29th, Cleveland, Ohio.
Federal Leather Products, Inc., 103 Park Ave., New York.
Federal Lumber Co., The Arcade, Cleveland, Ohio.

FEDERAL MACHINE & WELDER CO. (Mfrs. of all types of Spot, Butt, Jump and Seam Welders. Electric Welders and Rollers for Safe-ending Locomotive Boiler Tubes), Dana Ave., Warren, Ohio.
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Federal Malleable Co., 299-323 64th Ave., West Allis, Wis.
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Federal Metal Weatherstrip Co., 1238-1250 Fullerton av., Chicago, Ill.
Federal Metallic Packing Co., 48 Hanover St., Boston, Mass.
Federal Milling Co., flour, Lockport, N. Y.
Federal Miniature Lamp Division Nat'l Lamp Wks. of G. E. Co., 920 S. Michigan av., Chicago, Ill.
Federal Motor Truck Co., Campbell & Federal, Detroit, Mich.
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Federal Paper Stock Co., cotton waste, 1814 N. Main, St. Louis, Mo.
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Federal Rubber Co., Cudahy, Wis.
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Federal Steel Products Co., switch boxes, switches, etc., 197 Frelinghuysen av., Newark, N. J.
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Federal Water Heater Co., Olive at 12th, Los Angeles, Calif.
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Federation Constr. Co., Sioux City, Iowa.
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Feeny Tool Co., Bridgeport, Conn.
Feeser, A. W., & Co., canned goods, Silver Run, Md.
Feeser, Frank S., Co., tool kits, auto radiator covers, 1126 Prospect, Indianapolis, Ind.
Fegely & Son, J., Pottstown, Pa.
Fegles Constr. Co., 706 1st av., Minneapolis, Minn.
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Fehl, Henry, carriages, Springfield, Ohio.
Fehlelsen, Rosacker, Lbr. Co., Boone, Iowa.
Fehlig Bros. Box Mfg. Co., 1909 Washington, St. Louis, Mo.
Fehlig Const. Co., Theresa av. & Hickory, St. Louis, Mo.
Fehring Carriage Co., Columbus, Ind.
Feick Bros. Co., surg'l instru., 809 Liberty av., Pittsburgh, Pa.
Feick, Geo., & Sons, contractors, Sandusky, Ohio.
Feidt, Geo. D., & Co., viscosimeters, 5th & Buttonwd., Philadelphia, Pa.
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Feigenspan, C., & Co., advtg. nov. & calendars, 212 E. Pearl, Cincinnati, Ohio.
Feinberg & Feinberg, furniture tops, 433 4, 42d, New York.
Feinberg & Kahn, Inc. (Scrap Iron), 38th & Lafin Sts., Chicago.
Feinberg, Abe, scrap iron & steel, Muncie, Ind.
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Feine & Sons, Co., Inc., August, 140-152 Terrace, Buffalo, N. Y.
Feiner, P., cornices, 507 W. 45th st., New York.
Feinstein, Jacob, leather, 122 N. Main, Providence, R. I.
Feis, Chas. J., Co., advtg. spec., 114 E. 16th st., New York.
Feist & Sons Co., John, 115 Ash St., Buffalo, N. Y.
Feitel, Dan W., Bag Co., burlap bags, S. Claiborne & Erato, New Orleans, La.
Feitel, M., House Wrecking Co., 3700 Tulane av., New Orleans, La.
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Felber Sales Co., waste, wiping, rags, etc., Superior & 38th, Cleveland, Ohio.
Felchin Co., contrs., Bank of Italy Bldg., Fresno, Calif.
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Feld, Geo. A., Co., tin plate, 162 E. 129th, New York.
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Feldman & Weinman, overalls, 500 E. Balto, Baltimore, Md.
Feldman, Chas. H., cornices & skylights, St. Peter, Minn.
Feldman, H., & Co., scrap rubber, 324 S. Del., Philadelphia, Pa.
Feldman, J., Co., steel wire, Jersey City, N. J.
Feldman, J. M., Co., Inc., elec. fixtures, 740 S. Wall, Los Angeles, Calif.
Feldman, L. A., Fixture Co., 32 W. 32d st., New York.
Feldman Mfg. Co., see Nat'l Elec. Water Heater Corp. (successors).
Feldmann, L., & Co., brooms, 417 Montgomery, San Francisco, Calif.
Feldstein, Chas. H., Co., hair cloth mfrs., Jasper & Hayrt, Philadelphia, Pa.
Felger Lumber & Timber Co., Memphis, Tenn.
Felin & Co., Chas. F., Old York Rd., Philadelphia, Pa.
Felin, John J., & Co., meat packers, 4142 Germantown, Philadelphia, Pa.
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Felker Bros. Mfg. Co., Inc., Marshfield, Wis.
Fell, Adolph, mill & facty. supplies, Mt. Vernon, N. Y.
Fell Co., Henry R., Trenton, N. J.
Fell, Jos. E., machsts. & fndrs., Ogdensburg, N. Y.
Fell, P. C., & Co., see Rossi Bros. Co. (successors).
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Fellows & Son, packing boxes, Manchester, N. H.
Fellows & Stewart, Inc., shipbldrs., Wilmington, Calif.
Fellows, Azro, mill & facty. supplies, Belvidere, Ill.
Fellows Gear Shaper Co., Springfield, Vt.
Fellows, Gertrude F., lbr., West Brentwood, N. H.
Fellrath, John B., Co., wooden shoes, Fond du Lac, Wis.
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Fellweck Auto. & Mfg. Co., windshields, 7 N. 4th, Evansville, Ind.
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Felsberg, Alfred L., & Co., musical instrument cases, 40 Cross, Newark, N. J.
Felsenthal, G., & Sons, advtg. spec., 1407 Hudson av., Chicago, Ill.
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Felsworth Lime Co., Staunton, Va.
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FELT PRODUCTS MFG. CO., 1507 Carroll Ave., Chicago.

Felt Specialty Mfg. Co., see Brawley, T. R. (successor).
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Felters Co., The, 103 Bedford St., Boston, Mass.
Felton & Son, gin distillers, 516 E. 2d, Boston, Mass.
Felton & Son Co., S. A., Manchester, N. H.
Felton Construction Corp., 1450 Michigan av., Buffalo, N. Y.
Felton Packing & Mfg. Co., canned goods, Felton, Del.
Felton, S. A., & Son Co., brushes—fdry., mach., factory, etc., Westbrook, Manchester, N. H.
Felton Sibley & Co., 136-40 N. 4th St., Philadelphia, Pa.
Felton Tool Wks., Canal Fulton, O.
Felton-Turner Heating Co., 34 Warren St., Boston, Mass.
Feltus Bros., Natches, Miss.
Fenderson, W. N., canned goods, Chebeague Island, Me.
Fenestra Constr. Co., Evans Bldg., Washington, D. C.
Fenn Mfg. Co., 1841 Broad St., Hartford, Conn.
Fenn Mfg. Co., post hole augers, Charlotte, Mich.
Fenn Ventilator Co., rotary ventilator mfrs., 94 Blackstone, Boston, Mass.
Fennell, Geo. H., & Co., heating contractors, Newport, Ky.
Fennell, John J., & Sons, horse lawn boots, Cynthiana, Ky.
Fenner, Geo. L., varnish mfrs., West av., Long Isl. City, N. Y.
Fenner Mfg. Co., ready cut houses, Artisans' Bldg., Portland, Ore.
Fenning, L. T., switches, Jackson, Ohio.
Fenseca Chemical Co., 2146 Farrar St., St. Louis, Mo.
Fensholt & Fichner (Belting), 16 S. Clinton St., Chicago.
Fenske Bros., upholstered furniture, Dept. H, 1666 McHenry, Chicago, Ill.
Fensterer & Ruhe, elec'l glassware, 37 Murray, New York.
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Fenton Art Glass Co., table, Williamstown, W. Va.
Fenton, David, ship bldr., Manchester, Mass.
Fenton Label Co., 506 Race St., Philadelphia, Pa.
Fenton Fibre Box Co., North Tonawanda, N. Y.
Fenton Mach. Tool & Die Co., Fenton, Mich.
Fenton's, children's carriages & rattan furn., 16th & S. Main, Los Angeles, Calif.
Fenwick-Beddaway Mfg. Co., Paris & Niagara Sts., Newark, N. J.
Fenwood Lumber Co., Wausau, Wis.
Ferber Constr. Co., Hackensack, N. J.
Ferdinand & Co., L. W., 152 Kneeland St., Boston, Mass.

FERDINAND, L. W., & CO., marine glue & linoleum cement mfrs., 154 Kneeland, Boston, Mass.

Fergus Casket Works, Fergus Falls, Minn.
Fergus Falls Knitting Wks., Fergus Falls, Minn.
Fergus Flour Mills Co., Fergus Falls, Minn.
Fergus Iron Works Co., machsts. & fndrs., Fergus Falls, Minn.
Fergus Mfg. Co., sashes, doors & blinds, Fergus Falls, Minn.
Fergus Packing Co., meat, Fergus Falls, Minn.
Ferguson & Clarke, lbr. mfrs., 517 Flushing av., Brooklyn, N. Y.
Ferguson & Edmondson Co., contractors, Keystone Bldg., Pittsburgh, Pa.
Ferguson & Lange Fdry. Co., Clybourn Ave. and Willow St., Chicago.
Ferguson & Palmer Co., lumber, Memphis, Tenn.
Ferguson & Son, F. (Iron Foundry), 112 Clinton St., Hoboken, N. J.
Ferguson & Son, contractors, 1739 Union, San Francisco, Calif.

FERGUSSON, JR., ALEX C., 474 Chestnut St., Philadelphia, Pa.

Ferguson Bros. Mfg. Co., furniture, 832 Monroe, Hoboken, N. J.
Ferguson, Chas. A., architect, Arcade, Nashville, Tenn.

FERGUSON CO., THE H. K., 4900 Euclid Ave., Cleveland, O.; New York.

Ferguson Co., John W., United Bank Bldg., Paterson, N. J.
Ferguson Furnace Co., 1206 2nd National Bk. Bldg., Toledo, O.
Ferguson, Cowan, S. J., Lbr. Co., nr. McLain, Miss.
Ferguson, G. B., trunk, McCall Bldg., Memphis, Tenn.
Ferguson Hardwood Lumber Co., Paducah, Ky.
Ferguson, Hardy S., mill engr., 200 5th av., New York.
Ferguson, Henry, canned goods, Elwood, Ind.
Ferguson, J. B., & Co., consulting civil & mech. engnrs., Hagerstown, Md.
Ferguson, James, railroad ties, Montgomery City, Mo.
Ferguson, John W., & Co., contractor, 294 Madison av., New York.
Ferguson Lumber Co., Fort Smith, Ark.
Ferguson Lumber Co., Rockville, Ind.
Ferguson Mfg. Co., Dubuque, Ia.
Ferguson Pub. Co., trade publications, 90 West, New York.
Ferguson Supply Co., 20 Ellsworth St., S. W. Grand Rapids, Mich.

F

Ferguson Synstone Co., The, 733 U. S. National Bank Bldg., Denver, Colo.
Ferguson, Wm., & Son, contractors, 405 E. 21st, Philadelphia, Pa.
Ferguson's, Wm. A., Sons, stone, Little Falls, N. J.
Fergusson Bros., 109 Chestnut, Philadelphia, Pa.
Fergusson Laboratories, 464 Chestnut St., Philadelphia, Pa.
Fern, Russel E., Co., contrs., 105 S. Main av., Scranton, Pa.
Fernald Co., The, 221 Tehama, San Francisco, Cal.
Fernald, Keene & True Co., canned goods, West Poland, Me.
Fernald Mfg. Co., North East, Pa.
Fernald, Willmont L., lumber, Logansport, Ind.
Ferndale Canning Co., Ferndale, Wash.
Ferndon, J. H., turpentine, Homerville, Ga.
Fernholtz Brick Machine Co., Boyle F. Vandeventer, St. Louis, Mo.

FERNHOLTZ MACH. CO., 2053 E. 38th St., Los Angeles, Cal.

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Fernstrum, Frank G., Menominee, Mich.
Fernwood Lumber Co., Fernwood, Miss.
Fero Elec. Air Pump Co., Wilkinsburg, Pa.
Ferodo & Asbestos, Inc., New Brunswick, N. J.
Ferracute Machine Co., Bridgeton, N. J.
Ferrand, Gabriel, 311 Rosedale, St. Louis, Mo.
Ferrary Bros. Co., tex. machy., hooks (reed), Paterson, N. J.
Ferree Co., E. H., Lockport, N. Y.
Ferrell, A. T., & Co., agricultural implements, Saginaw, Mich.
Ferrell Brake & Mfg. Co., Cassius av., S. E., Cleveland, Ohio.
Ferrell, M. F., & Son, canned goods, Haymakertown, Va.
Ferrin, F. M., wire cables, 3 Park, Boston, Mass.
Ferris Bros., cornices & skylights, South Manchester, Conn.
Ferris, Chas. S., sash, door & blind mfr., 1154 Herschel, Cincinnati, Ohio.
Ferris-Dunlap Auto Sup. Co., Dallas, Tex.
Ferris, F. A., & Co., meat packers, 262 Mott, New York.
Ferris, Jno., & Sons, lbr., Brookville, Ind.
Ferris, John, Jr., (Brushes), 400 Broadway, Albany, N. Y.
Ferris, O. J., paint, Plainville, Ohio.
Ferris Pressed Brick Co., Ferris, Tex.
Ferro Brick Co., Watsontown, Pa.
Ferro-Concrete Construction Co., 3rd & Elm, Cincinnati, O.
Ferro Construction Co., 37 W. Van Buren, Chicago, Ill.
Ferro Enameling Co., 4150 E. 56th, Cleveland, Ohio.
Ferro Machine & Fdry. Co., E. 66th & Hubbard Ave., Cleveland, O.
Ferro Stamping & Mfg. Co., 1379-97 Franklin St., Detroit, Mich.
Ferro-Studio, Inc., architectural & ornamental iron, doors, railings, posts, gas fixtures, etc., 228 E. 150th, New York.
Ferrofix Brazing Co., brazing compounds, 225 S. 24th, Philadelphia, Pa.
Ferrofix Brazing & Machine Wks. Co., 816-1st St., S. Seattle, Wash.
Ferrubron Metal Paint Co., 518-520 Prairie St., Milwaukee, Wis.
Ferry-Baker Lbr. Co., Everett, Wash.
Ferry, C. S., & Son, Inc., sash, door & blind, Pittsfield, Mass.
Ferry Cap & Set Screw Co., 2151 Scrant Rd., S. A., Cleveland, O.

FERRY-HANDLEY ADVERTISING CO., 1120 Walnut St., Kansas City, Mo.

Ferry, James, Co., Inc., contrs., Dept. H, Virginia & Mediterranean avs., Atlantic City, N. J.
Fertilore Products Syndicate, fertilizer, Call bldg., San Francisco, Calif.
Fesenfeld & Barber, machsts. & fndrs., Black Earth, Wis.
Fess Bros., willow ware mfrs., 412 Ames, Rochester, N. Y.
Fess System Co., oil burners, 222 Natoma, San Francisco, Calif.
Fessenden & Co., silver novelties, 32 Garnet, Providence, R. I.
Fessenden, B. & A. D., Co., lumber, Townsend, Mass.
Fessler, David, cornices, 347 E. 105th, New York.
Festus Pressed Brick Co., Festus, Mo.
Fetter, Ralph S., (Casters), 123 Wesley Ave., Buffalo, N. Y.
Fetters' Sons, J., Milton, Pa.
Fettig, Jos., scrap iron, steel & rubber, 2146 W. 6th, Cincinnati, Ohio.
Fetzer & Co., machsts. & fndrs., agric'l implements, Springfield, Ill.
Fetzer Bros., wholesale hdwe., Brookville, Pa.
Fetzger, G. W., Eden, Ga.
Feudtner, Wm., iron, 391 7th, Jersey City, N. J.
Fewlass-Leen Brass & Iron Co., 215 Pike, Cincinnati, O.
Fezandie, Felix, color mfr. & imptr., 205 Fulton, New York.
F I A T, 150 W. 57th St., New York.
Fiat, Lux Co., light controls, Hobart Bldg., San Francisco, Calif.
Fiat Metal Mfg. Co., Roscoe St. & N. Racine Ave., Chicago.
Fiat Specialties Co., 526 W. 139th St., New York.
Fiber Grand Co., cordage & paper, Grand Rapids, Mich.
Fiberlic Co., wall coverings, Camden, N. J.
Fiberloid Co., Indian Orchard, Mass.
Fibre & Fabric, trade publications, 475 Main, Cambridge, Boston (39), Mass.
Fibre Case & Novelty Co., 536 W. 23rd St., New York.
Fibre Cell Asbestos Mfg. Co., 2619 Mary St., Chicago.
Fibre Conduit Co., Orangeburg, N. Y.
Fibre Container Co. of Pa., cases & tubes, Nixon, Manayunk, Philadelphia, Pa.
Fibre Corporation, Lockport, N. Y.
Fibre Finishing Co., 711 Tremont Bldg., Boston, Mass.
Fibre Graphite Brush Service, 5155 Wakefield St., Philadelphia, Pa.
Fibre Package Co., 1601 Clay St., Detroit, Mich.
Fibre Rock Mfg. Co., packing mfrs., 4566 Silverwood, Philadelphia, Pa.
Fibre Sample Case & Trunk Co., 535 Broadway, New York.
Fibre Specialty Mfg. Co., Kennett Square, Pa.
Fibreside Sample Trunk Co., 78 5th Ave., New York.
Fibrestone & Roofing Co., 199 10th, San Francisco, Calif.
Fibro Products Co., candle tubes, Prospect, New Bedford, Mass.

FIBROC INSULATION CO., cor. Campbell, Valparaiso, Ind.

Fibroide Sample Trunk Co., 78 5th Ave., New York.
Fichtenberg, Hans H., soap powder, 216 W. Water, Milwaukee, Wis.
Fichter, Wm., willow ware mfrs., 723 N. 2d, Philadelphia, Pa.
Fickett, O. A., Co., meat packers, Bangor, Me.
Fickincher, Fred, cornices, Lock Haven, Pa.
Ficks Reed Co., 424 Findlay, Cincinnati, O.
Fidalgo Island Packing Co., Anacortes, Wash.
Fidalgo Lumber & Box Co., shooks, Anacortes, Wash.
Fidelity & Casualty Co., insurance, 97 Cedar, New York.
Fidelity & Deposit Co. (Develop. Dept.), bonding company, Fidelity Bldg., Baltimore, Md.
Fidelity Can Co., 600-610 S. Caroline St., Baltimore, Md.
Fidelity Chemical Corp., fertilizer mfrs., Houston, Tex.
Fidelity Coal & Supply Co., masons' & bldrs.' matls., Lima, Ohio.
Fidelity Constr. Co., 1629 N. Sydnhon, Philadelphia, Pa.
Fidelity Electric Co., 332-336 N. Arch St., Lancaster, Pa.
Fidelity Lbr. Co., Doucette, Tex.
Fidelity Mach. Co., tex. machy., cylinders & dials, knitting machines, etc., 3936 Fkd., Philadelphia, Pa.
Fidelity Metal Co., 192 Diamond St., Brooklyn, N. Y.
Fieber & Holmes, sashes, door & blinds, Brookville, Ind.
Fiebig, Charles, Rock Island, Ill.
Fiebing Chemical Co., 238-40 Reed St., Milwaukee, Wis.
Fieder & Sons, A. B., 305 W. Adams St., Chicago.
Fiego, Alex. J. R., instruments of precision, Lynn, Mass.
Field & Co., Marshall, 219 W. Adams St., Chicago. (Wholesale.)
Field & Co., R. B., 12 Clarence Ave., Worcester, Mass.
Field & Lawrence, mill & facty. supplies, Bellows, Falls, Vt.
Field & Shorb Co., mill & facty., plumbers' & steam fitters' supplies, Decatur, Ill.
Field & White Co., 116 Nassau St., New York.
Field, A. J., & Son, lbr. mfrs., Kings Creek, Ky.
Field Advertising Service, Indianapolis, Ind.
Field, Alfred, & Co., core compounds, wholesale hdwe., etc., 93 Chambers, New York.
Field, Barker & Underwood, contractors, Commercial Tr. Bldg., Philadelphia, Pa.
Field-Brundage Engine Works, machsts., Jackson, Mich.
Field, C. R., Mfg. Co., children's carriages, Greenfield, Mass.
Field, Chas. H., moulds, ladles & engraving machines, 113 Point, Providence, R. I.
Field Co., J., 40 Exchange St., Rochester, N. Y.
Field-Ernst Envelope Co., 25 Fremont, San Francisco, Calif.
Field Force Pump Co., Elmira, N. Y.
Field, Jas., Co., tents, Rochester, N. Y.
Field, Julian, & Co., cottonseed oils, Atlanta, Ga.
Field, Walter W., & Son, machsts., Cambridge, Mass.
Field, Wm. H., Co., mill & facty. supplies, 35 Washington N., Boston, Mass.
Fields Brick Co., Chester, Pa.
Field's, Chas. J., Sons, wholesale hdwe., 633 Market, Philadelphia, Pa.
Fields, L. C., flour, McHenry, Ga.
Fields Mfg. Co., woolen blankets, Mouth of Wilson, Va.
Fielder & Allen Co., see Allen-Ivan-Marshall Co. (successor).
Fielder, A. A., Lumber Co., Sherman, Tex.
Fiers, W. T., machsts., Red Key, Ind.
Fifer & Beatty, Front & Lehigh Sts., Philadelphia, Pa.
Fifer Lumber Co., Inc., L. R. White Bldg., Seattle, Wash.
Fifield Bros. Co., mill & facty. supplies, Augusta, Me.
Fifield, E. L., lbr., 24 California, San Francisco, Calif.
Fifield Lumber Co., sash, door & blind, Janesville, Wis.
Fifth Avenue Coach Co., 605 W. 132nd St., New York.
Figge & Hutwelker Co., meat packers, 621 W. 40th, New York.
Figge, Fred, Co., meat packers, 285 Atlantic av., Brooklyn, N. Y.
Figueria Cut Glass Co., Hammonton, N. J.
Filament Supply Co., Hoboken, N. J.
Filas, Thos. M., Co., contrs., Cicero, Ill.
Filer & Stowell Co., The, 213 Becher St., Milwaukee, Wis.
Filer, W. H., brick, Grove City, Pa.
Files Engineering Co., 75 Westminster St., Providence, R. I.
Filice & Perrelli Canning Co., Gilroy, Calif.
Filing Folder Corp., The, Niagara Falls, N. Y.
Filion Mill & Lumber Co., Port Angeles, Wash.
Filip Meydrech & Co., 1420 W. 21st St., Chicago.
Filkins, O. B., buckwheat flour, Stanton, Mich.
Fillgrove, Louise A., cornices & skylights, Ironton, O.
Fillion Inc., S. O., 68 Murray St., New York.
Fillion, Jos., cornices, North Platte, Neb.
Fillmore Ave. Foundry & Iron Works, Inc., 153 Fillmore Ave., Buffalo, N. Y.
Fillmore, Cox Eng. & Tube Bending Mach. Wks., J., Bayonne, N. J.
Filmusic Co., music roll cutting machy., 6701 St. Monica blvd., Los Angeles, Calif.
Filoon, V. & F. W., Co., boot counters, Brockton, Mass.
Filshie, Alexander, 5801 S. State St., Chicago.
Filson, A. R., & Son, contrs., Bellefontaine, Ohio.
Filter Fabrics Co., Salt Lake City, Utah.
Filtrine Mfg. Co., water filters, 53 Lexington, Brooklyn, N. Y.
Fimolens Sales Co., auto lamp lenses, 1926 Ford bldg., Detroit, Mich.
Finck & Hahn, Schnectady, N. Y.
Finch, J. H., Co., machsts., 24 Beach, Boston, Mass.
Finch Mfg. Co., 8th Ave. & W. Linden St., Scranton, Pa.
Finch, Pruyn & Co., Glen Falls, N. Y.
Finch, T. A., flour, Eupora, Miss.
Finck & Co., W. M., 3708 Gratiot Ave., Detroit, Mich.
Finck, Chas. N., silver nov., Elizabeth, N. J.
Finck Mineral Milling Co., J. C., 1 Sidney, St. Louis, Mo.
Findex Co., filing devices, 387 4th av., New York.
Findlater Hardware Co., San Angelo, Tex.
Findlay Carriage Co., Findlay, Ohio.
Findlay Clay Pot Co., Washington, Pa.
Findlay Clay Pot Co., Findlay, Ohio.
Findlay Electric Porcelain Co., Findlay, Ohio.
Findlay Engng. & Mfg. Co., fndrs., Findlay, Ohio.
Findlay, Robt., Mfg. Co., elec. light fix. mfrs., 28 Warren, New York.

FINDLEY CO., THE F. G., 62 Mason St., Milwaukee, Wis.

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V. P.—Roscoe Moon.
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Los Angeles—Mailliard & Schmiedell.
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San Francisco—Mailliard & Schmiedell.
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New Orleans, La.—315 Gravier St., H. L. Schiegel.

Findley Elec. Co., armatures, 215 S. 5th, Minneapolis, Minn.
Findley, H. L., Co., contractors, Noblesville, Ind.
Findling, H. M., cornices, Valparaiso, Ind.
Fine, Horace E., Co., monograms, Trenton, N. J.
Finegan Co., John C., 462 First St., Boston, Mass.
Fingerle, Jno. C., machsts. & fndrs., Mason, Mich.
Fingles, W. A., cornices, 29 S. Howard, Baltimore, Md.
Finigan, Zabriskie Co., machsts., Paterson, N. J.
Finished Die Casting Co. (formerly Burns-Croft Co.), 2239 Herndon st., Chicago, Ill.
Fink & Schindler Co., store fixtures, etc., 228 13th, San Francisco, Calif.
Fink, A., & Sons, meat packers, 810 Frelinghausen, Newark, N. J.
Fink, Alexander W., mach. & fndr., Converse, Ind.
Fink Instrument Co., 804 Pine, St. Louis, Mo.
Fink, Philip, & Sons, cornices, 951 Floyd, Louisville, Ky.
Finkbine Lumber Co., Jackson, Miss.
Finke Bros., 254 Front St., Portland, Ore.
Finke Engng. Co., 15 S. St. Clair, Dayton, Ohio.
Finkell, Wm. T., chemicals, 103 Maiden Lane, New York.
Finkelstein & Co., window display fixtures, 43 Mangin, New York.
Finkelstein Supply Co., 1042 E. 4th, Los Angeles, Calif.
Finkl, A., & Sons, drop forgings, 1326 Cortland, Chicago, Ill.
Finkle, A. N., lumber, Spring Mills, Pa.
Finlay & Robb, cornices & skylights, Seattle, Wash.
Finley Canning & Mfg. Co., Ozark, Mo.
Finn Bros. Pipe & Steel Works, well casings, etc., 1308 N. Spring, Los Angeles, Calif.
Finn, James J., & Son, contrs., 75 N. Boulevard, Albany, N. Y.
Finn, John, & Son, contrs., 7720 Montgomery, Detroit, Mich.
Finn, John, Metal Wks., 2nd and Harrison Sts., San Francisco, Cal.
Finn, Jno., Metal Works, 384 2d, San Francisco, Calif.
Finnegan, Thos. J., heating contractors, Jersey City, N. J.
Finney, C. H., & Sons, stone, 139 W. 53d, New York.
Finney, G. W., Lumber Co., Odessa, Wash.
Finney, Wm. W., canned goods, Bel Air, Md.
Finnigan & Williams, Inc., hot air furnaces, 205 Clay, Portland, Ore.
Finnigan Co., J. J., Atlanta, Ga.
Finnigan Train Control System Co., Wilton on James, Richmond, Va.
Finola Mfg. Co., floor scrubbing machs., Hannibal, Mo.
Finucane Boiler Wks., Houston, Tex.
Finver Bros. & Co., umbrella mfrs., 126 5th av., New York.
Finzer Bros. Clay Co., brick, Sugar Creek, Ohio.
Fir Products Co., Hoquiam, Wash.
Fir Tree Lumber Co., 703 Tacoma Bldg., Tacoma, Wash.
Fire & Water Engng., trade publisher, 318 W. 39th, New York.
Fire Creek Coal & Coke Co., Staunton, Va.
Fire Detecting Wire Co., Inc., The, 2 W. 45th St., New York.
Fire Gun Mfg. Co., Inc., 115 Fourth Ave., New York.
Fire Prevention Fire Door Mfg. Co., 231 W. 19th, New York.
Fire Protection Engineering Co., engines, extinguishers, etc., 142 Sansome, San Francisco, Calif.
Fire Protection Products Co., doors, 3117 20th, San Francisco, Calif.
Fire Retardent Products Co., paints, 2838 Hannah, Oakland, Calif.
Fire Service, trade publication, 155 Waverly pl., New York.
Firebaugh, D. W., canned goods, Fincastle, Va.
Firebaugh, W. H., canned goods, Troutville, Va.
Firedoor Contr. Co., Inc., 311 E. 23d st., New York.
Fireproof Products Co., The, 257-63 E. 133rd St., New York.
Firestone-Apsley Rubber Co., rubber boots & clothing, Hudson, Mass.
Firestone Steel Products Co., rims, Dept. H, South Akron, Ohio.
Firestone Tire & Rubber Co., Firestone Park, Akron, O.
Firex Mfg. Co., fire extinguishers, 2039 S. Morgan, Chicago, Ill.
Firm Lbr. Co., Hattiesburg, Miss.
Firsching, J. A., textile machinery, 614 Broad, Utica, N. Y.

FIRST AID EQUIPMENT & SUPPLY CO., 1446 W. Slauson, Los Angeles, Cal.

First Avenue Brick & Tile Co., 328 Sycamore St., Evansville, Ind.
Firstenberg, J., advtg. spec., 53 E. 10th st., New York.
Firth, Smith Co., 200 Devonshire St., Boston, Mass.
Firth, Thos., & Sons, Inc., steel mers., 185 Allyn, Hartford, Conn.
Firth-Sterling Steel Co., McKeesport, Pa.
Fischbeck Soap Co., 17th & R. I., San Francisco, Cal.
Fischer & Flohr, hog rings, Bucyrus, Ohio.

FISCHER & HAYES ROPE & STEEL CO., Home Office, 816 W. Erie St., Chicago.

Pres.—Anthony C. Fischer.
Treas.—T. S. Hayes.

Fischer & Jirouch Co., The, 4821 Supr. Ave., Cleveland, O.
Fischer & Kestner, 227 S. 2d, Louisville, Ky.
Fischer-Bouten Lbr. Co., see Fischer, Carl E., Lbr. Co. (successors).
Fischer Bros., store fixtures, 5 E. 137th, New York.
Fischer Bros. Co., Covington, Ky.
Fischer, C. H., & Co., Inc., laundry blue, 1061 63d, Brooklyn, N. Y.
Fischer Can Co., Hamilton, Ohio.
Fischer, Carl E., Lbr. Co., Eugene, Ore.
Fischer Foundry Co., glass house machy. & molds, 300 Onyx, Pittsburgh, Pa.
Fischer Furn. Co., 406H N. May, Chicago, Ill.
Fischer-Gaffney Body Co., 10th & Howard, San Francisco, Calif.
Fischer, Geo., & Co., contractors, 406 12th av., Long Island City, N. Y.
Fischer, H. G., & Co., therapeutic lamps, 2341 Wabansia av., Chicago, Ill.
Fischer, J. & C., pianos, 437 5th av., New York.
Fischer Lime & Cement Co., 269 Walnut St., Memphis, Tenn.
Fischer Lbr. Co., Marcola, Ore.
Fischer Machine Co., 310 N. 11th St., Philadelphia, Pa.
Fischer Mach. Wks. 1841-45 Carroll Ave., Chicago.
Fischer Mfg. Co., wood cutting machy., ft. of Locust, Williamsport, Pa.
Fischer Soap & Oil Co., 2715 Colerain, Cincinnati, O.
Fischer Special Mfg. Co., 2076-78 Reading Road, Cincinnati, O.

FISCHER SPRING CO., THE, CHAS., 240 Kent Ave., Brooklyn, N. Y.

Fischer Stove Range Furnace Co., Wm. G., 320 McFarland St., Cincinnati, O.
Fischer-Sweeney Bronze Co., Bound Brook, N. J.

Fischer-Sweeney Bronze Co., alum. castings & rods, Hoboken, N. J.
Fiscus, W. J., cornices & skylights, Findlay, Ohio.
Fish & Co., A. E., Keene, N. H.
Fish & Hunter Co., sashes, doors & blinds, Deadwood, S. D.
Fish Brush Factory, 4700 Lorain av., Cleveland, Ohio.
Fish, E. M., Co., bldg. contrs., Eau Claire, Wis.
Fish, G. R., wood handles, Hancock, N. Y.
Fish Lumber Co., Chas. W. Elcho, Wis.
Fish, M. J., & Sons, contrs., 161 Summer, Boston, Mass.
Fish Net Twine Co., 310-312 Bergen av., Jersey City, N. J.
Fish River Mfg. Co., lbr., Eagle Lake, Me.
Fish Rotary Oven Co., Walworth, Wis.
Fish Rubber Co., Chicopee Falls, Mass.

FISHEL & MARKS CO., Foot of Krakow Ave., Cleveland, O.
Branch Offices:
Chicago, Ill.—7 S. Dearborn St.
Pittsburgh, Pa.—Union Arcade bldg.
Detroit, Mich.

Fishel-Nessler Co., silver nov., 184 5th av., New York.
Fisher & Davis Mfg. Co., 934 N. First St., St. Louis, Mo.
Fisher & Norris, 37-45 Fair St., Trenton, N. J.
Fisher & Stables, flour mills, Hebron, Va.
Fisher & Wilson Co., lumber, 819 Rockefeller bldg., Cleveland, Ohio.
Fisher, A., machsts. & fndrs., Macomb, Ill.
Fisher, Albert, carriages, 460 E. Grand blvd., Detroit, Mich.
Fisher, Alfred, furnaces, 803 W. Madison, Chicago, Ill.
Fisher, Arthur A., 2040 Park pl., Denver, Colo.
Fisher Auto Top Co., Norwalk, Ohio.
Fisher Body Corp., Oakland & Piquette, Detroit, Mich.
Fisher Box Co., packing, Menominee, Mich.
Fisher Bros. Co., Astoria, Ore.
Fisher Bros., overalls, New Castle, Pa.
Fisher Bros., architects, Pontiac, Mich.
Fisher Bros. Paper Co., pads & tablets, 118 W. Columbia, Fort Wayne, Ind.
Fisher, C. W., iron & steel, 52 Broadway, New York.
Fisher, Charles H., masons' & bldrs.' materials, Reading, Pa.
Fisher, Churchill Co., masons' & bldrs.' matls., Dedham, Mass.
Fisher Co., store & bar fixtures, Charles City, Iowa.
Fisher-De Vore Const. Co., contrs., Dixie Term. bldg., Cincinnati, Ohio.
Fisher, E. J., & Co., scrap iron, Wilkes-Barre, Pa.
Fisher Electrical Works, 1014 Lynn, Detroit, Mich.
Fisher, Elmer, Co., lbr., Ironton, Ohio.
Fisher Flouring Mills Co., Harbor Island, Seattle, Wash.
Fisher, G. H., & Co., variometers & couplers, 317 Cypress Hills rd., Glendale, L. I.
Fisher Governor Co., The, Marshalltown, Ia.
Fisher, John S., elec. contr., Danbury, Conn.
Fisher, L., Co., contractors, Waltham, Mass.
Fisher Leather Belting Co., 325 N. 3rd, Philadelphia, Pa.
Fisher Lime & Cement Co., Memphis, Tenn.
Fisher Mach. & Tool Co., 102 Broadway, Buffalo, N. Y.
Fisher Machine Wks., 4th and Choctaw Sts., Leavenworth, Kan.
Fisher, Mahlon Leonard, architect, Williamsport, Pa.
Fisher Mfg. Co., ball bearings, East Liverpool, Ohio.
Fisher Mfg. Co., tire repair patches, Lincoln, Neb.

FISHER MFG. CO., ADAM, household spec., signs & tire vulcanizers, No. 503, St. Louis, Mo.

Fisher Mfg. & Fuel Co., masons' & bldrs.' matls., Wilmington, Ohio.
Fisher, Martin, & Sons, cornices, 438 Pearl, Buffalo, N. Y.
Fisher Mine Equip. Co., mine cars & fans & roller bearing mine car wheels, W. Newton, Pa.
Fisher, Philip, cornices, 1066 Central av., Cincinnati, O.
Fisher, S. L., & Sons, contrs., Elizabeth, N. J.
Fisher Specialty Co., plbrs.' supplies, 326 Ogden av., Milwaukee, Wis.
Fisher Supply Co., Dallas, Tex.
Fisher, Thorsen & Co., paint, glass, 29th & Nicolai, Portland, Ore.
Fisher, W. H., fndrs., Rebuck, Pa.
Fishers Canning Co., Fishers, Ind.
Fisk, E. W., cream separators, Newark, N. Y.
Fisk Mfg. Co., Springfield, Mass.
Fisk Paper Co., Hinsdale, N. H.
Fisk Rubber Co., The, Chicopee Falls, Mass.
Fisk Tire Co., Inc., The, Chicopee Falls, Mass.
Fiske & Co., Inc., 115 Federal St., Boston, 9, Mass.
Fiske & Co., Inc., 15 W. 46th st., New York.
Fiske Bros. Refining Co., 24 State St., New York.
Fiske-Carter Construction Co., 11 Foster, Worcester, Mass.
Fiske Corp., sash, door & blind mfrs., hdwe., Natick, Mass.

FISKE IRON WORKS, J. W., 111 Park Pl., New York.

Fiske-Jencks Foundry Co., Geneva, Ill.
Fissell, Wm. H., & Co., contractors, 1328 Broadway, New York.
Fitch Dustdown Co., 1028 W. Front, Cincinnati, O.
Fitch Gear Co., Rome, N. Y.
Fitch, John, & Son, cornices & skylights, Millersburg, Ohio.
Fitch, R. F. & W. B., Co., harness mfrs., Oskaloosa, Ia.
Fitch, W. & E. T., Co., see North & Judd Mfg. Co. (successor).
Fitch, Walter Jr., Eureka, Utah.
Fitch, Will A., & Co., contrs., Shelbyville, Ky.
Fitchburg Brick Co., Wanoosnac, Fitchburg, Mass.
Fitchburg Duck Mills, Duck Mill Road, Fitchburg, Mass.
Fitchburg Enamel Co., 35 Culley, Fitchburg, Mass.
Fitchburg Fndry. Co., 68 Main, Fitchburg, Mass.
Fitchburg Grinding Machine Co., 76 Winter St., Fitchburg, Mass.
Fitchburg Hardware Co., 76 Winter St., Fitchburg, Mass.
Fitchburg Htg. & Plumbing Co., 249 Winter, Fitchburg, Mass.
Fitchburg Horn Goods Co., 617 Winter St., Fitchburg, Mass.
Fitchburg Paper Co., 804 Main St., Fitchburg, Mass.
Fitchburg Steam Engine Co., The, 52 Oak Hill Ave., Fitchburg, Mass.
Fite Hardware Co., wholesale, Dalton, Ga.
Fitler Co., The Edwin H., 517 Arch St., Philadelphia, Pa.
Fitts Mfg. & Supply Co., F. E., 83 Purchase St., Boston, Mass.
Fitwell Knitting Co., Cohoes, N. Y.
Fitzberger, Thos. F., cornices, 202 Clay, Baltimore, Md.
Fitzdale Paper Co., Fitzdale, Vt.
Fitz-Dana & Brown, tin plate, 441 Pearl, New York.
Fitz Dana & Co., 110 North St., Boston, Mass. (Now Edgeworth Steel Co.)
Fitz Water Wheel Co., Hanover, Pa.
Fitzgerald & Co., W. H. J., 261 Franklin St., Boston, Mass.
Fitzgerald Co., J. E., New London, Conn.
Fitzgerald Cotton Mills, Fitzgerald, Ga.
Fitzgerald Cotton Oil Co., Fitzgerald, Ga.
Fitzgerald, D. F., granite, Quincy, Mass.
Fitzgerald, J. F., Const. Co., contrs., 5330 S. Bldg., Boston, Mass.
Fitzgerald, J. W., Co., sand dlrs., Savannah, Ga.
FitzGerald, Jas. H., packing box mfr., 532 W. 20th, New York.
Fitzgerald Laboratories, Niagara Falls, N. Y.
Fitzgerald, M. J., Co., mill & facty. supplies, 252 Lafayette, New York.
Fitzgerald Mfg. Co., Torrington, Conn.
Fitzgerald Sheer Co., Pen Argyl, Pa.
Fitzgerald Trunk Co., 1214 N. Wells St., Chicago.
Fitzgerald, W. J., paving contr., Grand Central Terminal, New York.
Fitzgibbon & Co., Inc., H. S., Sea Cliff, L. I., N. Y.
Fitzgibbon & Crisp, wood & metal auto bodies, carriages, Trenton, N. J.
Fitzgibbon Boiler Co., Oswego, N. Y.
Fitzgibbons Boiler Co., P. H., Ogdensburg, N. Y.
Fitzgibbons Bros., carriages, Monroe, Wis.
Fitzgibbons, P. F., lbr., Reynolds, Ga.
Fitzhenry, E. L., & Co., machsts. & fndrs., 46 Beverly, N., Boston, Mass.
Fitzhenry-Guptill Co., spray pumps, 135 First, Boston, Mass.
Fitzpatrick Bros., Inc. (Soap), 1319 W. 32rd Pl., Chicago.
Fitzpatrick, J. J., & Sons, contractors, Plattsburg, N. Y.
Fitzpatrick, John, Co., soap, 28th & Western av., Chicago, Ill.
Fitzpatrick Products Corp., stump pullers, 98 Pine, New York.
Fitz Simmons, A. Burch, architect, Bond bldg., Washington, D. C.
Fitzsimmons Co, Youngstown, O.
Fitzsimmons, Thos. E., brick, Phoenix, Ariz.
Fitzsimons & Connell Dredge & Dock Co., 10 S. La Salle St., Chicago.

FITZSIMONS CO., THE, steel bars, etc., Youngstown, Ohio.

Fitzsimons Steel & Iron Co., 3200 S. Kedzie Ave., Chicago.
Five-In-One Mfg. Co., Inc., mops, 116H Exchange, Worcester, Mass.
Fix's Sons, S., Leonard & Mixter Sts., Cleveland, O.
Fizer, W. E., canned goods, Bedford, Va.
Flaccus, C. L., Glass Co., bottles, tex. machy., spinning frames, 411 N. Marshall, Pittsburgh, Pa.
Flaccus, Wm., Oak Leather Co., blacksmiths' bellows, 1228 River av., Pittsburgh, Pa.
Flach & Benedict, Inc., loose-leaf devices, 344 Crocker, Los Angeles, Calif.
Flach, Ernest, flour, Comfort, Tex.
Flack-Pennell Supply Co., Cor. James & Franklin Sts., Saginaw, Mich.
Flagg & Co., Inc., C. N., 27 State St., Meriden, Conn.
Flagg & Co., S. G., 1421 Chestnut St., Philadelphia, Pa.
Flagg, Edwin H., Studios, scenery, stage appliances, etc., 1638 Long Beach av., Los Angeles, Calif.
Flagg Ink Co., The, Tribune Bldg., New York.
Flagg, L. G., & Co., glass mosiac wk., 79 Sudbury, Boston, Mass.
Flagler Co., contractors, Atlanta, Ga.
Flagstaff Lbr. Co., Flagstaff, Ariz.
Flaherty, C. J., Granite Works, St. Cloud, Minn.
Flaherty Co., M. E., 28 S. Clinton St., Chicago.
Flaherty, E. J., Contracting Co., 76 Montgomery, Jersey City, N. J.
Flaherty, W. N., cement contr., Daly City, Calif.
Flake Graphite Corp., Montgomery, Ala.
Flambeau Lbr. Co., Lac de Flambeau, Wis.
Flambeau Paper Co., Park Falls, Wis.
Flambeau River Lbr. Co., Ladysmith, Wis.
Flanagan & Biedenweg Co., The, 312 W. Illinois St., Chicago.
Flanagan, Geo. J., school supplies, 515 S. Wells, Chicago, Ill.
Flanagan Hdwe. Co., cornices, Logansport, Ind.
Flanagan, John, Buggy Co., Greenville, N. C.
Flanagan, Jno. J., Jr., stone producers, Lannon, Wis.
Flanagan, M. C., file mfrs., 414 Shelton av., New Haven, Conn.
Flanders, A. F., Mfg. Co., display racks, White bldg., Buffalo, N. Y.
Flanders, Chas., lbr., Brentwood, N. H.
Flanders Co., auto horns, Owen bldg., Detroit, Mich.
Flanders, Geo. L., lbr., Lebanon, N. H.
Flanders Hdwe. Co., North Weare, N. H.
Flanigan, P., & Sons, contrs., Hartford & B. & O. R. R., Baltimore, Md.
Flanner-Steger Land & Lbr. Co., Blackwell, Wis.
Flannery & Company, J. Rogers, Vanadium Bldg., Pittsburgh, Pa. Now Vanadium Metals Co.

FLANNERY BOLT CO., Flannery Bldg., Pittsburgh, Pa.
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Treas.—John Munhrall, Jr.
Chicago—1818 McCormick Bldg., W. M. Wilson, Western Sales Mgr.
Knoxville, Tenn.—Cal. Johnston Bldg., W. S. Murriam Co., Southern Sales Agt.
New York—5940 Grand Central Terminal, Geo. E. Howard, Eastern Sales Agent.
Pittsburgh, Pa.—Flannery Bldg, E. S. Fitzsimmons, Mgr. of Sales.
St. Paul, Minn.—Pioneer Bldg., Minnesota Supply Co., Northwestern Sales Agent.

Flannery Co., Inc., J. J., 124 White St., New York.
Flash Chemical Co., Cambridge, Mass.
Flash Sales Corp'n, The, 4809 N. Ashland Ave., Chicago.
Flashtric Sign Wks., 2126 Hudson av., Chicago, Ill.
Flater, H., & Son, pumps, Findlay, Ohio.
Flather & Company, Inc., Nashua, N. H.
Flather Fdry. Co., Nashua, N. H.
Flather Mfg. Co., The, Nashua, N. H.
Flat-Top Fuel Co., coke, Bluefield, W. Va.
Flavel Co., Asbury Park, N. J.
Flavell, Geo. W., & Bro., elastic hosiery, 1011 Spring Garden, Philadelphia, Pa.
Flavin, W. H., & Co., plating wks., 313 E. 22d st., New York.
Flaxlinum Insulating Co., Hampden & Wabash Ave., St. Paul, Minn.
Fleck & Co., F. J. (Factory Painters), 232 W. 25th St., New York.
Fleck Bros. Co., 1645 N. American St., Philadelphia, Pa.
Fleck Carbon Co., 390 Canal, New York.
Fleck, Chas. W., cornices, 2016 Cherokee, St. Louis, Mo.
Fleck, M., 338 E. 124th St., New York.
Fleckenstein, Geo. J., brick, Anna, Ohio.
Fleckenstein, V., machsts. & fndrs., Dorchester, Wis.
Fleet, Frank E., Co., patent leather, 1504 Commonwealth av., Boston, Mass.
Fleet, Samuel, textile machy., 304 S. Main, Fall River, Mass.
Fleet-McGinley Co., South & Water Sts., Baltimore, Md.
Fleetwood Metal Body Co., Fleetwood, Pa.
Fleischer, Ernst, Knitting Co., sweaters, etc., 379 11th av., Milwaukee, Wis.
Fleischhauer, F., & Son, thermometers, barometers & hydrometers, Hollis, Long Island, N. Y.
Fleischman, Jno. L., lbr. mfrs., Saginaw, Mich.
Fleischmann Co., The, 701 Washington St., New York.
Fleischmann Co., yeast, 419 Plum, Cincinnati, Ohio.
Fleischmann Constr. Co., 1650 Broadway, New York.
Fleisher & Co., W. L. (Spray Dryers), 31 Union Sq., New York.
Fleisher Constr. Co., 606H Bldrs. Ex., Minneapolis, Minn.
Fleisher, Louis, Co., contr., 504 Plymouth bldg., Minneapolis, Minn.
Fleishes Inc., S. B. & B. W., 25th & Reed Sts., Philadelphia, Pa.
Fleishhacker, A., & Co., folding paper boxes, 401 2d, San Francisco, Calif.
Fleissner, Christian, Jr. (Leather), 125 New Jersey Railroad Ave., Newark, N. J.
Fleissner, Christian, Sr. (Embossing Machines), 125 New Jersey Railroad Ave., Newark, N. J.
Fleming & Co., canned goods, S. W. cor. Cross & Race, Baltimore, Md.
Fleming & Son Co., Inc., J. R., Green Ridge & Meyleat Ave., Scranton, Pa.
Fleming & Sons Mfg. Co., agrcl. implements, Huntsville, Mo.
Fleming, Alfred J., stone, sand & gravel dlrs., 109 Broad, New York.
Fleming, Arch, flour mills, Fairmount, W. Va.
Fleming Bros. Lbr. Co., masons' & bldrs.' matls., 735 S. Broadway, Denver, Colo.
Fleming, Bryant, S. Academy, Buffalo, N. Y.
Fleming, D. B., & Sons, leather, 10 Jacob, New York.
Fleming, E. L., flour, Middleburg, N. C.
Fleming Fdry. Co., 164 Birnie st., Springfield, Mass.
Fleming, J. H., & Son, stone producers, Henderson, Ky.
Fleming, Jas., cornices & skylights, Lansing, Mich.
Fleming, John S., porch swings, etc., Plymouth, Ohio.
Fleming Lumber & Merc. Co., Red Cliff, Colo.
Fleming Mfg. Co., steel stacks & tanks, 411 Neal, New Castle, Pa.
Fleming, T. B., Hdwe. Co., Athens, Ga.
Fleming Tank Co., 3119 Liberty Ave., Pittsburgh, Pa.
Fleming's, Wm., Sons, tubular boilers, New Castle, Pa.
Flemington Mill Co., flour, Flemington, W. Va.
Flemming Tank Co., wood, 3115 Liberty, Pittsburgh, Pa.
Flentje, Ernst, Cambridge, Mass.
Flesch & Schmitt, Inc., sheet metal work, Brown, Rochester, N. Y.
Flesher, Chas. H., machsts., Dunkirk, N. Y.
Fleshman, H. P., canned goods, Troutville, Va.
Fletcher Brick Co., Fletcher, N. C.
Fletcher Co., W. & A., 1301 Hudson St., Hoboken, N. J.
Fletcher, E. R., Woodbury, Vt.
Fletcher, E. R., granite producer, Hardwick, Vt.
Fletcher, E. R., machsts., Bloomington, Ind.
Fletcher Enamel Co., The, Charleston, W. Va.
Fletcher, H. E., Co., crushed stone, contractors, West Chelmsford, Mass.
Fletcher, H. N., granite producers, Graniteville, Mass.
Fletcher Lumber Co., Ottumwa, Iowa.
Fletcher Mfg. Co., machsts. & fndrs., Newport, Ky.
Fletcher Mfg. Co., 302 E. 2nd St., Dayton, O.
Fletcher Paper Co., Alpena, Mich.
Fletcher, R. E., contrs., Plant City, Fla.
Fletcher, Terry Co., The, Forestville, Conn.
Fletcher-Thompson, Inc., 542 Fairfield Ave., Bridgeport, Conn.
Fletcher, W. A., machst. & fndr., Clarksville, Mo.
Fletcher, W. B. & J. A., meal, McColl, S. C.
Fletcher Works, Glenwood Ave. & 2nd St., Philadelphia, Pa.
Fleurant, J. F., & Son, contractors, Woonsocket, R. I.
Flexible Co., motorcycle side cars, Dept. H, Loudonville, Ohio.
Flexible Concrete Forms, Eagle, Wis.
Flexible Paint Co., Huntington, Ind.
Flexible Steel Lacing Co., 4607 Lexington St., Chicago.
Flexible Woven Cable Co., 170 Purchase St., Boston, Mass.
Flexitallic Gasket Co., Camden, N. J.
Flexo Common Lath Co., Bartlett bldg., Los Angeles, Calif.
Flexo—Concrete Mould Co., Cedar Rapids, Ia.
Flexo Mfg. Co., airplane radiators, 1312 E. 12th, Los Angeles, Calif.
Flexo Supply Co., 104-6 S. Main St., St. Louis, Mo.
Flexotile Floor Co., The, Mill Race, Rockford, Ill.
Flexume Sign Co., 74 Kail St., Buffalo, N. Y.
Fli-Back Screen Corp., 3 Circle St., Rochester, N. Y.
Flick Construction Co., 133 W. Washington St., Chicago.
Flickinger & Miller, carriages, Fort Scott, Kan.
Flickinger Bros., machsts., Hanover, Pa.
Flickinger, J. H., Co., canned goods, San Jose, Calif.
Flickinger, Jno. D., machsts., Hanover, Pa.
Flickner, J. O., & Sons, horse collars, 211 N. 1st, Evansville, Ind.
Flier Co., Christian, 1352 Genesee St., Buffalo, N. Y.
Fligeltaub, Hy., scrap iron & steel, 2514 Div., Evansville, Ind.
Flinn & Breneman, htg. contrs., Lancaster, Pa.
Flinn & Dreffein Co., furnaces, gas producers, etc., 431 S. Dearborn, Chicago, Ill.
Flinn, Raymond W., architect, 8 S. Dearborn, Chicago, Ill.
Flinn, Richard J., steam traps, W. Roxbury Sta., Boston, Mass.
Flint & Walling Mfg. Co., Kendallville, Ind.
Flint, A. W., & Co., ladders, 407 Winthrop, New Haven, Conn.
Flint Brick Co., Des Moines, Ia.
Flint, Eaton Co., pharmaceuticals, Decatur, Ill.
Flint Elec. & Mfg. Co., mine signals, 1402 Delgamy, Denver, Colo.
Flint Foundry Co., Flint, Mich.
Flint Fdry. Co., Flint, Mich.
Flint Hill Cooperage & Lbr. Co., Flint Hill, Va.
Flint Hollow Canning Co., Seymour, Mo.
Flint Lumber Co., Flint, Mich.
Flint Motor Axle Co., Flint, Mich.
Flint River Brick Co., Albany, Ga.
Flint River Cotton Mills, cotton sheetings, Albany, Ga.
Flint River Lbr. Co., Bainbridge, Ga.
Flint Sandstone Brick Co., Flint, Mich.
Flint Tile & Fireplace Co., Flint, Mich.
Flint Varnish & Color Works, Flint, Mich.
Flint, Warren F., Co., makers of steel wires, brushes, 74 India, Boston, Mass.
Flintkote Company, The, 88 Pearl St., Boston, Mass.
Flippo, H. O., canned goods, Buchanan, Va.

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Flitner-Atwood Company, 52 Trout St., New York.
Flockhart Foundry Co., 60-96 Polk St., Newark, N. J.
Floete Lbr. Co., Spencer, Iowa.
Flohr, G., Co., cornices & skylights, Mansfield, Ohio.
Flomaton Fndry., Flomaton, Ala.
Flood & Calvert, ship chandlery, 2320H Strand, Galveston, Tex.
Flood & Conklin Co., 132 Chestnut St., Newark, N. J.
Flood & Hall, Inc., sand, lime, bricks, Detroit, Mich.
Flood & Van Wirt Co., contractors, Hudson Falls, N. Y.

FLOOD CITY MFG. CO., Messenger St., Johnstown, Pa.
Gen. Mgr.—J. L. Hershberger.
Sales Mgr.—J. L. Mosebach.
Birmingham, Ala.—Crescent Sales Agency.
Denver, Colo.—O. H. Davidson.
Indianapolis, Ind.—Hamer & Co.
New Orleans, La.—W. R. Grace & Co.
St. Louis, Mo.—Service Supply Co.

Flood, Edw. F., & Co., caskets, etc., 24 Essex, Newark, N. J.
Flood, Walter H., chemical engr., 22 Quincy, Chicago, Ill.
Floor-Shine Mfg. Co., 307 N. Main, St. Louis, Mo.
Flor, Edw., saddletrees, Demorest, Ga.
Flora, G. B., & Sons, canned goods, Wirtz, Va.
Flora Saw Mill Co., lbr., Flora, Ind.
Florala Saw Mill Co., Paxton, Fla.
Florance Bros. Mfg. Co., sash, doors & blinds, Paterson, N. J.
Florasynth Laboratories, Inc., Olmstead & Sterling avs., New York.
Florence, B. D., & Son, flour mills, New Haven, Ky.
Florence Bros. Mfg. Co., Paterson, N. J.
Florence Furniture Co., caskets, coffins, Florence, Mass.
Florence Ginning & Milling Co., flour, Florence, S. C.
Florence Iron Co. of Wisc., 25 Broad, New York.
Florence Mach. Co., polishing machs., Florence, Mass.
Florence Mach. & R. R. Supply Co., Florence, Ala.
Florence Mfg. Co., machsts. & fndrs., Florence, Mass.
Florence Mills, cotton sheeting, Forest City, N. C.
Florence Silver Plate Co., 408 S. Hanover, Baltimore, Md.
Florence Table & Mfg. Co., New S. Memphis, Memphis, Tenn.
Florence Thread Co., Florence, N. J.
Florence Wagon Co., Florence, Ala.
Florentine Art Plaster Co., 2208 Chestnut, Philadelphia, Pa.
Florentine Pottery Co., Cambridge, O.
Florey Bros., pianos, Washington, N. J.
Florey's Brick Works, East Downington, Pa.
Floria Lime Co., Ocala, Fla.

FLORIAN, JR., PAUL A., 122 S. Michigan Ave., Chicago.

Florida Auto & Gas Engine Co., plbrs.' supplies, Tampa, Fla.
Florida Electric Supply Co., Jacksonville, Fla.
Florida Fertilizer Co., Gainesville, Fla.
Florida Hdwe. Co., Inc., 16 E. Bay St., Jacksonville, **Fla.**
Florida Land Co., Montbrook, Fla.
Florida Mach. Works, brass castings, 1561 W. Church, Jacksonville, Fla.
Florida Metal Products Co., Evergreen av., Jacksonville, **Fla.**
Florida Phosphate Mining Corp., Bartow, Fla.
Florida Pine Co., lumber, Consolidated Bldg., Jacksonville, Fla.
Florida Pitch Pine Lumber Co., Fernandina, Fla.
Florida Trunk Mfg. Co., 118 Main, Jacksonville, Fla.
Florida Wood Products Co., Sem. Turner Rd., Jacksonville, Fla.
Florida Woodenware Co., Palatka, Fla.
Floridin Co., Warren, Pa.
Florin, Philip, 465-7 Broome St., New York.
Florists' Exchange, trade publication, 448 W. 37th, New York.
Florola Saw Mill Co., Paxton, Fla.

FLORY MFG. CO., S., Bangor, Pa.
New York—95 Liberty.

Flosson Lunch Wagon Co., Westfield, N. Y.
Fostoria Stave & Barrel Co., cooperage stock, Fostoria, Ohio.
Floto Bros. Constr. Co., Steubenville, Ohio.
Floto, Patterson & Co., 3440 Ravenswood Ave., Chicago.
Flour City Ornamental Iron Co., 2637 27th Ave., Minneapolis, Minn.
Flour City Trunk & Suitcase Co., 1301 S. 3rd St., Minneapolis, Minn.
Flournoy, David, brick, Evergreen, La.
Flower City Brick Co., 446 Powers bldg., Rochester, N. Y.
Flower City Fdry. Co., Rochester, N. Y.
Flower City Tissue Mills Co., Driving Park Ave., and **N. Y. C. R. R., Rochester, N. Y.**
Flower Company, Walter L., 312-314 S. Eighth St., St. Louis, Mo.
Flower, D. B., 425 N. 11th St., Philadelphia, Pa.
Flower, Stephen, Mfg. Co., machsts. & fndrs., 107 Parkinson, Detroit, Mich.
Flower Waste & Packing Co., Oak St., Bayonne, N. J.
Flowers & Co., H. P., Montgomery, Ala.
Flowers Fndry. Co., Harmony, Pa.
Flowers Welding & Cutting Co., 707 2d S. E., Canton, Ohio.
Floyd Cotton Mills, Rome, Ga.
Floyd Saddlery Co., 613 W. Market, Louisville, Ky.
Floyd-Wells Co., Royersford, Pa.
Fluck, Hugh W., stone, 7306 Kimbark av., Chicago, Ill.
Fluhrer Bros., lbr., Mayger, Ore.
Fluke, J. B., & Son, contractors, 2605 Beale av., Altoona, Pa.
Fluor Bros. Const. Co., bldg. contrs., Oshkosh, Wis.
Flurie, E. E., brick, New Cumberland, Pa.
Flurschutz, H. W. F., & Son, furniture, Dept. H, Cumberland, Md.
Flushing Canning Co., Flushing, Mich.
Fluskey, J. B., tubular boilers, Pier 4, Pratt, Baltimore, Md.
Flygare & Barnes, machsts. & fndrs., Conniell, Wash.
Flylock Knife Co., Inc., The, 108 Lafayette St., New York.
Flynn & Doyle Co., carriages, Bantam, Conn.
Flynn & Embrich Co., 305 N. Holliday St., Baltimore, Md.
Flynn Bros., brass fndrs., Hoboken, N. J.
Flynn Bros. Brush Mfg. Co., Troy, N. Y.
Flynn-Harris-Bullard Co., Jacksonville, Fla.
Flynn, John J., Co., contractors, 80 Boston, Salem, Mass.
Flynn Leather Co., C. G., 107 South St., Boston, Mass.
Flynn Lbr. Co., Swiss, W. Va.
Flynn, M. W., granite, Westerly, R. I.
Flynn, T. J., Metal Wks., Cambridge, Mass.
Flynn, W. S., clarifiers, condensers & stills, 76 Hudson, Jersey City, N. J.
Flynn, Wm. F., & Son, cornices & skylights, Attleboro, Mass.
Flynn, Wm. H., Machy. Co., mill & facty. supplies, 404 E. 2d, Cincinnati, Ohio.
Flynt Building & Construction Co., Palmer, Mass.
Flynt Granite Co., W. N., Monson, Mass.
Flynt, W. N., Granite Co., crushed stone, Monson, Mass.
Foamite-Childs Corp., Utica, N. Y.
Foamite Firefoam Co. (Now Foamite-Childs Corp.),
Foard-Barstow Ship Chandlery Co., mill & facty. supps., San Francisco, Calif.
Foard, S. B., canned goods, Rocks, Md.
Fobes Supply Co., 560 1st Ave., S. Seattle, Wash.
Focht, L. H., & Son, contractors, Reading, Pa.

FOCHT SONS, GEORGE, 117-119 Adams St., Hoboken, N. J.

Focke's, Wm., Sons Co., meat packers, Dayton, Ohio.
Foco Oil Co., Franklin, Pa.
Foell Supply Co., canned goods, 3117 W. 47th st., Chicago, Ill.
Foerst, John, & Sons, fuel oil burners, Bayonne, N. J.
Fogarty & Co., Philip, 49 Wyona, Brooklyn, N. Y.
Fogarty, Jas. H., traps, heaters, regulators, 95 Liberty, New York.
Fogarty, M. J., machsts., 40 Harrison, Brooklyn, N. Y.
Fogarty, Michael, tubular boilers, 531 W. 33d, New York.
Fogg & Hires Co., canned goods, Salem, N. J.
Fogg, Alman H., Co., whol. hdwe., Houlton, Me.
Fogg Co., Charles E., 8 Atlantic Ave., Boston, Mass.
Fogg, Ezra D., Co., lbr. mfrs., 178 Gofe, New Haven, Conn.
Fogg, M. W., boat cushion, mattresses, 202 Front, New York.
Foidel, S., canned goods, Knoxville, Iowa.
Folberth Auto Specialty Co., wind shield cleaners, 7914 Lake av., Cleveland, Ohio.
Fold Easy House Mfg. Co., Elmira, N. Y.
Folding Mattress Co., 312 Oak, New Haven, Conn.
Folding Partition Co., see Wilson, J. G., Corp. (successor).
Foley & Williams Piano Co., 19 W. Jackson blvd., Chicago, Ill.
Foley Bros. Co., stone producers, Olean, N. Y.
Foley, D. A., & Co., contractors, Aikin, Minn.
Foley, F. W., brass wire, Dollar Bay, Mich.
Foley Fertilizer Co., Foley, Ala.
Foley Greenhouse Mfg. Co., Desplaines Ave., Forest Park, Ill.
Foley, John F., stationers' specialties, Attleboro, Mass.
Foley, M., Co., contractors, Evanston, Ill.
Foley Supply Co., Syracuse, N. Y.
Foley, T. A., Paris, Ill.
Foley-Williams Supply Co., machsts. & fndrs., 19 W. Jackson blvd., Chicago, Ill.
Folger, Jacob, meat packer, Toledo, Ohio.
Folk, E. L., Co., whol. hdwe., mill & facty. supplies, masons' & bldrs.' matls., Suffolk, Va.
Follansbee Bros. Co., 3rd & Liberty Ave., Pittsburgh, Pa.
Follery, O. H., & Co., lbr., Sumter, S. C.
Follett Time Recording Co., 54 Barclay St., New York.
Follmer, C. C. & Co., lbr. mfrs., Grand Rapids, Mich.
Follmer, Clogg & Co., umbrella mfrs., 295 5th av., New York.
Follrath, W. D., & Co., cornices, Springfield, Ohio.
Folsom & Tillman Hardware Co., Helena, Ga.
Folsom, C. G., Mfg. Co., rural mail boxes, South Bend, Ind.
Folsom, H. & D., Arms Co., whol. hdwe., 314 Broadway, New York.
Folsom Morris Mining Co., Lehigh, Okla.
Folsom Snow Guard Co., 80 Boylston Ave., Boston, Mass.
Folsom Steel Iron Wks., 18th & Treat av., San Francisco, Calif.
Foltmer, Peter M., sash, door & blind, St. Cloud, Minn.
Foltz, D. C., common brick, Dunbar, Pa.
Foltz, L. G., & Sons, contrs., 448 Nelson rd., Columbus, Ohio.
Foltz Mfg. & Supply Co., Hagerstown, Md.
Folwell-Ahlskog Co., 323 N. Michigan Ave., Chicago.
Folz, Frank W., & Co., contractors, Dayton & Freeman avs., Cincinnati, Ohio.
Fonda, F. A., agricultural implements, East Galway, N. Y.
Fonda Lime Kilns, St. Albans, Vt.
Fonda, W. B. (Est. of), lime mfrs., Saint Albans, Vt.
Fond du Lac Church Furniture Co., Fond du Lac, Wis.
Fones Bros. Hdwe. Co., Ft. Smith, Ark.
Fones Bros. Hardware Co., Little Rock, Ark.
Fontaine, B., Hardware Co., Green Bay, Wis.
Fontein, M. H., Piano Co., Columbus, Neb.
Foos Gas Engine Co., Linden and Monroe Sts., Springfield, O.
Foot Mfg. Co., 34-40 Germania Ave., Jersey City, N. J.
Foote & Becker, whol. hdwe., 517 Lackawanna av., Scranton, Pa.
Foote & Carpenter, architects, 154 East av., Rochester, N. Y.

FOOTE BROS., GEAR & MACHINE CO., 217 N. Curtis St., Chicago.

FOOTE-BURT CO., THE, 13010 St. Clair Ave., Cleveland, O.
Pres.—G. E. Randles.
Treas.—S. E. Gross.
Supt.—C. H. Hazelton.
Chief Engr.—F. A. Barnes.
P. A.—E. E. Airing.
Advt. Mgr.—C. F. VanDame.

Foote, C. H., Lbr. Co., Columbia Bldg., Cleveland, Ohio.
Foote Company, The, Munda, N. Y.
Foote Concrete Machinery Co., 1241 S. Michigan av., Chicago, Ill.
Foote, D. E., & Co., canned goods, 2023 Aliceanna, Baltimore, Md.
Foote Fdry. Co., J. B., Fredericktown, O.

FOOTE GEAR WORKS, INC., 430 N. Oakley Ave., Chicago.

FOOTE MINERAL CO., INC., 109 N. 19th St., Philadelphia, Pa.

Foote, Pierson & Co., Inc., 160-162 Duane St., New York.
Foote Reynolds Co., furniture, Dept. H, Grand Rapids, Mich.
Footes Trunk & Bag Fcty., 19 E. Ala., Atlanta, Ga.
Foran Fdy. & Mfg. Co., Flemington, N. J.

FORBES & MYERS (Motor Grinders), 169 Union St., Worcester, Mass.

Forbes, A. J., & Son, bank fix., 1530 Filbert, San Francisco, Calif.
Forbes, Benj. P., Co., metal polish, 3736 W. 36th, Cleveland, Ohio.
Forbes Boiler & Iron Works, Peoria, Ill.
Forbes Bros. Co., machy., dirs., 306 S. Los Angeles, Los Angeles, Calif.
Forbes, Chas. M., chemicals, 43 St. Anne st., San Francisco, Calif.
Forbes Chemical Co., fertilizer, 43 St. Anne, San Francisco, Calif.
Forbes Co., Benj. P. (Jobbers Chocolate & Mfrs. Specialties), Cleveland, O.
Forbes Corporation, The, Hopkinsville, Ky.
Forbes, D. H., cornices & skylights, Topeka, Kan.
Forbes, J. P., coupon books, Coshocton, Ohio.
Forbes, John R., machsts. & fndrs., Jersey City, N. J.
Forbes Mfg. Co., Hopkinsville, Ky.
Forbes, Richard J. H., concrete constrn., Monadnock Bldg., San Francisco, Calif.
Forbes, Robt. R., ground connection clamps, Mt. Holly, N. J.
Forbes Silver Co., Meriden, Conn.
Forbes Varnish Co., West Park, Ohio.
Forbes, W. H., Co., advtg. nov., Gloversville, N. Y.
Forbes, W. S., & Co., meat packers, Richmond, Va.
Forburger Stone Co., Lincoln, Neb.
Forbush Planing Mill Co., Gowanda, N. Y.
Force & Co., Wm. A., 535 Pearl, New York.
Force, Chas. C., & Son, mill & facty. supplies, Madison, N. J.
Ford & Co., S. N. Mansfield, O.
Ford & Co., The Thos. P., Now Ford Regulator Corp., 403-407 Broome St., New York.
Ford & Co., wheels, Tippecanoe City, Ohio.
Ford & Gelrine, mill supplies, 369 Pine, San Francisco, Calif.
Ford & Kendig Co., 1428 Callowhill, Philadelphia, Pa.
Ford & Kimball, machsts. & fndrs., Concord, N. H.
Ford & Phillips Co., contractors, 559 W. Van Buren st., Chicago, Ill.
Ford, A. H., stone producers, Hulberton, N. Y.
Ford, Bacon & Davis, 115 Broadway, New York.
Ford Bros., machsts., 23 Illinois, Buffalo, N. Y.
Ford Bros. & Co., machsts. & fndrs., 1610 S. Front, Philadelphia, Pa.

FORD CHAIN BLOCK CO., 2nd and Diamond St., Philadelphia, Pa.

Ford-Clark Company, The, 2214 Clarkwood Rd., Cleveland, O.
Ford Collieries Co., bituminous, Ford bldg., Detroit, Mich.

FORD CO., THE J. B., Main Office and Works, Wyandotte, Mich.
Atlanta, Ga.—513 Hurt Bldg.
Baltimore, Md.—402 Maryland Trust Bldg.
Boston, Mass.—101 Tremont St.
Buffalo, N. Y.—842 Ellicott Sq. Bldg.
Chicago—109 N. Dearborn St., Room 802.
Cincinnati, O.—905 Union Central Bldg.
Cleveland, O.—1037 Guardian Bldg.
Denver, Colo.—509 Foster Bldg.
Detroit, Mich.—1219 Dime Bk. Bldg.
Indianapolis, Ind.—603 Merchants Bk. Bldg.
Kansas City, Mo.—1203 Commerce Trust Bldg.
Los Angeles, Cal.—827 Security Bldg.
Louisville, Ky.—1721 Bardstown Rd.
Milwaukee, Wis.—934 1st Nat'l Bk. Bldg.
Minneapolis, Minn.—704 Washington Ave., N.
Montreal, Can.—2345 Hutchison St.
Nashville, Tenn.—202 Chamber of Commerce Bldg.
New Orleans, La.—538 Whitney-Central Bldg.
New York—290 Broadway.
Omaha, Nebr.—1101 W. O. W. Bldg.
Philadelphia, Pa.—412 Bulletin Bldg.
Pittsburgh, Pa.—434 Fulton Bldg.
Portland, Me.—R. F. D. No. 4, Mr. Hamilton.
Portland, Ore.—53 Fourth St.
Providence, R. I.—440 Grosvenor Bldg.
Rutland, Vt.—12½ Gryphon Bldg.
St. Louis, Mo.—1839 Railway Exchange Bldg.
San Francisco, Cal.—1010 Commercial Bldg.
Seattle, Wash.—2010 L. C. Smith Bldg.
Spokane, Wash.—W. 1111-9th St.
Syracuse, N. Y.—518 Onondaga Bank Bldg.
Toronto, Ont., Can.—287 Indian Road.
Winnipeg, Man., Can.—155 Machray Ave.

Ford Corp., The 149 Broadway, New York.
Ford, Edw., Plate Glass Co., Rossford, Ohio.
Ford Electric & Mfg. Co., temperature controllers, thermostats, etc., 522 S. Soto, Los Angeles, Calif.
Ford Flour Co., 10th av. N., Nashville, Tenn.
Ford Fdry. Co., stoves, Concord, N. H.
Ford Fndry. & Htg. Co., Cuyahoga Falls, Ohio.
Ford, G. W., lbr., Louisburg, N. C.
Ford, Geo., machst. & fndr., Mystic, Iowa.
Ford, H. E., lbr., Matlock, Wash.
Ford Hardware Co., Washington C. H., Ohio.
Ford Hardware Co., Inc., 404 4th av., New York.
Ford, Henry & Son, Inc., Dearborn, Mich.
Ford, J. W., flour mills, Hartford, Ky.
Ford-Johnson Chair Co., 801 S. Wabash av., Chicago.
Ford Lbr. Co., sash, door & blind mfrs., Princeton, Ind.
Ford Lumber Co., Sioux City, Iowa.
Ford, Luther, & Co., bluing, 260H 1st av., Minneapolis, Minn.
Ford-McNutt Glass Co., 209 Washington Ave., N., Minneapolis, Minn.
Ford Mfg. Co., awnings, 49 Ashley River, Springfield, Mass.
Ford Mfg. Co., machsts., Rockford, Ill.
Ford Mfg. Co., weatherstrips, Holyoke, Mass.
Ford Meter Box Co., Wabash, Ind.
Ford Mica Co., 14 Christopher St., New York.
Ford Motor Co., 131 Bowena Ave., Detroit, Mich.
Ford Paving Co., Cedar Rapids, Iowa.
Ford-Perry Co., silver novelties, 70 Ship, Providence, R. I.
Ford Plate Glass Co., Edw., Rossford, O.
Ford Plumbing & Heating Co., Atlanta, Ga.
Ford Plumbing & Heating Co., 114 Main, Marlboro, Mass.
Ford Pulley & Hardware Co., Inc., 25 W. 45th St., New York.
Ford Regulator Corp., 409 Broome St., New York.
Ford Roofing Products Co., 2339 S. La Salle St., Chicago.
Ford Uniform Co., 16 W. 45th St., New York.
Ford, W. B., canned goods, Van Bibber, Md.
Ford, William B., machsts. & fndrs., Royal Center, Ind.
Forderer Cornice Wks., Inc., 269 Potrero, San Francisco, Cal.
Fordette Engine Co., Huntington, W. Va.
Fordham Cornice Wks., 2009 Monterey av., New York.
Fordham Stone Renovating Co., 417 E. 34th, New York.
Fordland Canning & Packing Co., Fordland, Mo.
Fordney, J. W., lbr. mfrs., Saginaw, Mich.
Fords Porcelain Wks., Perth Amboy, N. J.
Fords Prairie Coal Co., Centralia, Wash.
Fordyce Lbr. Co., Fordyce, Ark.
Fore Electrical Mfg. Co., Inc., 5255 N. Market St., St. Louis, Mo.
Foreggor Co., surgical apparatus, 47 W. 42d, New York.

FOREIGN CRUCIBLES, LTD., 831 E. 15th St., Brooklyn, N. Y.

Foreman & Putman, contrs., Marietta, Ohio.
Foreman-Derrickson Veneer Co., Elizabeth City, N. C.
Foreman, Bladen Lumber Co., Elizabeth City, N. C.
Foreman, W. D., axle shafts & piston pins, 1803 Indiana, Chicago, Ill.
Forest Chemical Co., alcohol, acetate of lime, Sheffield, Pa.
Forest City Bit & Tool Co., Rockford, Ill.
Forest City Canning Co., Forest City, Ia., and Forest City, Mo.
Forest City Fdry. & Mfg. Co., 1220 Main St., Cleveland, O.
Forest City Paint & Varnish Co., The, Division of The Gliddon Co., Cleveland, O.
Forest City Rubber Co., mill & facty. supplies, 1276 Ontario av., Cleveland, Ohio.
Forest City Steel & Iron Co., 1500 W. 110th St., Cleveland, O.
Forest Constr. Co., Forest, Ohio.
Forest Electric Co., Inc., 50 Columbia St., Newark, N. J.
Forest Grove Fruit Growers' Assn., see Brownsville Canning Co. (successors).
Forest King Corp., 19 W. 44th St., New York.
Forest Lbr. Co., 823 Fulton Bldg., Pittsburgh, Pa.
Forest Lbr. Co., R. A. Long bldg., Kansas City, Mo.
Forest Products Chemical Co., Speed Ave., Memphis, Tenn.
Forest Products Co., charcoal, pine oil, rosin, turpentine mfrs., 1212 Whitney, New Orleans, La.
Foresters Landscape, Ltd., 52 Vanderbilt av., New York.
Forg Mfg. Co., Peter, 50 Park St., Somerville, Mass.
Forged Steel Products Co., 141 Frelinghuysen Ave., Newark, N. J.
Forged Steel Wheel Co., Frick Bldg., Pittsburgh, Pa.
Forged Steel Yoke Corp., 108 W. Lake St., Chicago.
Forger, A. H., & Co., glassmakers' molds & tools, 2414 E. 58th, Los Angeles, Calif.
Forhan, H. L., canned goods, 187 Middle, Portland, Me.
Fork Township Oil Mill., meal, Townville, S. C.
Forked Deer Mfg. Co., flour mills, Trenton, Tenn.
Forked Deer Milling Co., flour, Dyersburg, Tenn.
Forman-Bassett Co., 1427-33 W. 3rd St., Cleveland, O
Forman Co., Geo. A., 654 Gates Ave., Brooklyn, N. Y.
Forman Co., Thos., 121 Forman St., Detroit, Mich.
Forman Co., signs, etc., 48 W. Broadway, New York.
Forman, Ford & Co., glass, 111 S. 2d, Minneapolis, Minn.
Forman, H. M., lbr., Tionesta, Pa.
Formhalls & Son, carriages, Ottawa, Ill.
Formica Insulation Co., 4614 Spring Grove Ave., The Cincinnati, O.
Fornercrete Aggrecate Co., 4356 Clement, Oakland, Calif.
Forney Cotton Oil & Ginning Co., meal, Forney, Tex.
Forney, J. H., boxes, Burlington, Ia.
Fornwald Bros., sash, door & blind, Berlin, Pa.
Forrest City Box Co., Forrest City, Ark.
Forrest, E. W., cornices and skylights, Fairhaven, Mass.
Forrester Bros. Stone Co., 35th & Roanoke blvd., Kansas City, Mo.
Forrester-Nace Box Co., 8th & Wyoming Sts., Kansas City, Mo.
Forsberg Mfg. Co., 200 Cannon St., Bridgeport, Conn.
Forschler Motor Truck Mfg. Co., New Orleans, La.
Forschner, R. H., Co., scale mfrs., 230H 3d av., New York.
Forse Mfg. Co., Anderson, Ind.
Forst, H. S., & Co., leather, 831 Cherry, Philadelphia, Pa.
Forster Co., John M., 15 Catherine St., Rochester, N. Y.
Forster, J., cornices, 413 E. 53rd, New York.
Forster, John G., patterns, 148 S. Delaware, Indianapolis, Ind.
Forster Lbr. Co., 62 27th, Milwaukee, Wis.
Forster Mfg. Co., toothpick mfrs., Dixfield, Me.
Forster-Mueller Lbr. Co., Hiles, Wis.

FORSTER PAINT & MFG CO., Winona, Minn.
Pres.—O. T. Caswell.

Forsyth & Co., lbr., 1899 Bryant, San Francisco, Calif.
Forsyth & Sons Co., Wm., Lynn, Mass.
Forsyth Brothers Company, Harvey, Ill.
Forsyth Electric Co., compressors, 2905 Estelle, Seattle, Wash.
Forsyth Furniture Co., Winston-Salem, N. C.
Forsyth Metal Goods Co., East Aurora, N. Y.
Forsythe Coal Co., Cambridge, Ohio.
Fort Atkinson Canning Co., Fort Atkinson, Wis.
Fort Bragg Growers' Ass'n, canned goods, Fort Bragg, Calif.
Fort Dearborn Fndry. Co., gray iron castings, 345 W. 23d, Chicago, Ill.
Fort Dearborn Mfg. Co. (Machine Work and Special Machy.), Sterling, Ill.
Fort Dodge Brick & Tile Co., Fort Dodge, Ia.
Fort Dodge Culv. Co., Fort Dodge, Ia.
Fort Dodge Fndry. Co., Fort Dodge, Iowa.
Fort Dodge Portland Cement Corp., Fort Dodge, Ia.
Fort Gaines Fertilizer Co., Fort Gaines, Ga.
Fort Griswold Paper Co., card middles, Montville, Conn.
Fort Harrison Mining Co., Terre Haute, Ind.
Fort Howard Paper Co., Green Bay, Wis.
Fort Jennings Stone Co., Fort Jennings, Ohio.
Fort Madison & Appanoose Stone Co., Fort Madison, Ia
Fort Madison Plow Co., Fort Madison, Ia.
Fort Miller Pulp & Paper Co., Fort Miller, N. Y.
Fort Orange Paper Co., Castleton, N. Y.
Fort Pitt Bedding Co., Liverpool & Preble Sts., Pittsburgh, Pa.
Fort Pitt Bridge Works of Pittsburgh, House Bldg., Pittsburgh, Pa.
Fort Pitt Chemical Co., liquid soap, 3134 Penn. av., Pittsburgh, Pa.
Fort Pitt Hdwe. Co., 807 Liberty av., Pittsburgh, Pa.
Fort Pitt. Lith. Co., 701 Forbes St., Pittsburgh, Pa.

FORT PITT MALLEABLE IRON CO., Pittsburgh, Pa.
Works—McKees Rocks, Pa.

Fort Pitt Oil & Paint Co., 3206 Penn. av., Pittsburgh, Pa.
Fort Pitt Rivet Co., 1301-2 Commonwealth Bldg., Pittsburgh, Pa.

FORT PITT SPRING & MFG. CO., Pittsburgh, Pa.
Pres.—William McBride.
Sec. & Treas.—R. L. Leitch.
Gen. Mgr.—H. S. Crary.
Gen. Supt.—Chas. T. Nichols.
Boston, Mass.—C. H. Sherburne.
Chicago—W. O. Tate.
Detroit, Mich.—W. G. Wetherby.
Los Angeles, Cal.—J. P. Bell.
New York—H. A. Hegeman.
Philadelphia, Pa.—Maurice Joy.
Pittsburgh, Pa.—R. H. Tate.
Portland, Ore.—M. H. Hickok.
San Francisco, Cal.—E. R. Edwards.
St. Louis, Mo.—J. E. Peddle.
Washington, D. C.—L. O. Cameron.

Fort Pitt Steel Casting Co., Houghton Ave., McKeesport, Pa.
Fort Pitt Stone & Brick Co., Carnegie, Pa.
Fort Pitt Supply Co., 328 2nd St., Pittsburgh, Pa.
Fort Recovery Stirrup Co., Dept. H, Fort Recovery, O.
Fort Recovery Tile Co., Fort Recovery, Ohio.
Fort Scott Hydraulic Cement Co., Ft. Scott, Kans.
Fort Scott Sorghum Syrup Co., canned, Fort Scott, Kans.
Ft. Smith Brick Co., Ft. Smith, Ark.
Ft. Smith Chair Co., N. 3rd & J Sts., Ft. Smith, Ark.
Fort Smith Folding Bed & Table Co., Dept H, Fort Smith, Ark.
Fort Smith Furn. Co., Dept. H, Fort Smith, Ark.
Fort Smith Garment Co., overalls, Fort Smith, Ark.
Fort Smith Handle Co., Fort Smith, Ark.
Fort Smith Iron Store Co., carriage hdwe., Dept. H, Fort Wayne, Ind.
Ft. Smith Lumber Co., Plainview, Ark.
Fort Smith Rim & Bow Co., Fort Smith, Ark.
Fort Smith Spelter Co., Greencastle, Ind.
Fort Smith Spelter Co., Warren, O.
Fort Smith Wagon Co., Fort Smith, Ark.
Fort Stanwix Canning Co., Rome, N. Y.
Fort Valley Crate & Lumber Co., Reynolds, Ga.
Fort Valley Oil Co., Fort Valley, Ga.
Ft. Wayne Battery Mfg. Co., Ft. Wayne, Ind.
Fort Wayne Box Co., Fort Wayne, Ind.
Fort Wayne Brick Co., Luna Road, Fort Wayne, Ind.
Fort Wayne Builders' Supply Co., Fort Wayne, Ind.
Fort Wayne Cement Stone Co., Fort Wayne, Ind.
Fort Wayne Corrugated Paper Co., Murray & Barr Sts., Fort Wayne, Ind.
Fort Wayne Electric Works of Gen. Elec. Co., 212 W. Berry, Ft. Wayne, Ind.
Fort Wayne Engineering & Mfg. Co., 6th & W. Harrison Sts., Fort Wayne, Ind.
Fort Wayne Fdry. & Mach. Co., 135 W. Superior, Ft. Wayne, Ind.
Fort Wayne Iron Steel Rolling Mills, W. Taylor, 320 E. Superior, Fort Wayne, Ind.
Fort Wayne Iron Store Co., 320 E. Superior St., Fort Wayne, Ind.
Fort Wayne Lumber Co., 2027 Broadway, Fort Wayne, Ind.
Fort Wayne Oil & Supply Co., 225 E. Columbia, Ft. Wayne, Ind.
Fort Wayne Roofing & Paving Co., 1129 E. Cuvis, Ft. Wayne, Ind.
Fort Wayne Rolling Mill Corp., W. Taylor St., Fort Wayne, Ind.
Fort Wayne Special Furn. Works, Fort Wayne, Ind.
Fort Wayne Saddlery Co., E. Sup. & Spy, Ft. Wayne, Ind.
Fort Wayne Tire & Rubber Mfg. Co., Fort Wayne, Ind.
Fort Worth Feather & Mattress Factory, Fort Worth, Tex.
Fort Worth Packing Co., meat, Fort Worth, Tex.
Ft. Worth Well Mach'y & Supply Co., 61 Jennings Ave., Ft. Worth, Tex.
Fortado, J. L., Co., stone prod., Springfield, Ill.
Fortenbacher, J., & Son, cornices & skylights, 533 E. Ohio, Pittsburgh, Pa.
Fort-ified Manufacturing Co., 14th St. and Agnes Ave., Kansas City, Mo.
Forth, W. J., stone producers, Manistee, Mich.
Fortier, J. A., Co., railroad supplies, 1029 6th av. S., Seattle, Wash.
Fortier, Theo., lawn furn., 1971 Broadway, Brooklyn, N. Y.
Fortner Co., The L. B., 235 Dock St., Philadelphia, Pa.
Fortner, S. A., canned goods, Smyrna, Del.
Fortson Shingle Co., lumber, Fortson, Wash.
Fortuna Machine Co., 153 Waverly Place, New York.
Fortville Canning Co., Fortville, Ind.
Forve-Pettebone Co., elec. & gas light fixtures, Los Angeles, Calif.
Foshee, J. M., lumber, Cohasset, Ala.
Fosbee Lumber Co., W. E., Selma, Ala.
Fosdick Mach. Tool Co., Blue Rock and Apple Sts., Cincinnati, O
Foskett & Bishop Co., Blatchley Ave. & Rear, New Haven, Conn.
Foss & Bump, Inc., leather belting, 53 Union, Springfield, Mass.
Foss, Al., fishing bait, 1722 Cumberland rd., Cleveland, Ohio.
Foss Co., W. J., 116 Broadway, Springfield, Mass.
Foss Designing & Bldg. Co., contrs., Pasadena, Calif.
Foss Engine Wks., machsts., Kalamazoo, Mich.

FOSS, ESTATE OF E. B., Bay City, Mich.

Foss, Geo. F., Machy. Co., 174 Lafayette, New York.
Foss, M. L., 1729 California St., Denver, Colo.
Fossett, Geo. W., & Son, cornices, 56th Ad. Race, Philadelphia, Pa.
Fossol, John, & Co., sponges, Tarpon Springs, Fla.
Fosston-Carpenter Co., see New Liberty Washing Machine Co., St. Paul, Minn.
Foster & Beecher Co., 1246-50 St. Clair Ave., E., Cleveland, Ohio.
Foster & Co., Inc., F. B., 25th & Locust., Philadelphia, Pa.
Foster & Creighton Co., Nashville, Tenn.
Foster & Hosler, granite, 431 S. Dearborn, Chicago, Ill.
Foster & Williams Mfg. Co., agricultural implements, machsts. & fndrs., Racine, Wis.
Foster, A. M., & Co., glass bottles & jars, 6 E. Lake, Chicago, Ill.
Foster Bolt & Nut Mfg. Co., Union av. & E. 72d, Cleveland, O.
Foster Box Board Co., Utica, N. Y.
Foster Bros., mill & facty. supplies, 293 Market, Newark, N. J.
Foster Bros. & Chatillon Co., Fulton, N. Y.
Foster Bros. Mfg. Co., bedstead mfrs., mattresses, 320 N. Holliday, Baltimore, Md.
Foster Bros. Mfg. Co., bedsteads; mattresses, etc., Utica, N. Y.
Foster Bros. Mfg. Co., Utica, N. Y.
Foster-Brown Co., machsts. & fndrs., Westbrook, Me.
Foster Co., H. M., Continental Bldg., Baltimore, Md.

FOSTER COMPANY, INC., L. B., Park Bldg., Pittsburgh, Pa.
Pres.—L. B. Foster.
V. P.—S. A. Foster, R. A. Foster.
Sec.—S. W. Carlyle.
Treas.—Byron Foster.
Branch Office:
New York—154 Nassau St.

Foster Const. Co., Caswell blk., Milwaukee, Wis.
Foster Creek Lbr. & Mfg. Co., Stephenson, Miss.
Foster Engineering Co., 109 Monroe St., Newark, N. J
Foster, F. B., & Co., corrugated fibre products, see Federal Container Co. (successors).
Foster, Fountain & Co., canned goods, Biloxi, Miss.
Foster Gear Co., machsts., 246 Kaiser, Columbus, Ohio.
Foster, Harry H., soap spouts, Cabot, Vt.
Foster, Jacob R., pegs—shoe, Plymouth, N. H.
Foster, Jas. P., & Co., sash, door & blind mfrs., 115 S. Frederick, Baltimore, Md.
Foster-Johnson Reamer Co., 1082 Beardsley av., Elkhart, Ind.
Foster-Latimer Lbr. Co., Mellen, Wis.
Foster Log Loader Co., The, Little Rock, Ark.
Foster, Lothman Mills, Oshkosh, Wis.
Foster Lumber Co., 37th St. and Loomis Pl., Chicago.
Foster Lumber Co., 1410 R. A. Long Bldg., Kansas City, Kans.
Foster, M. A., & Son, machsts. & brass fndrs., 707 8th av., Altoona, Pa.
Foster-McDonald Co., 176 Congress St., Boston, Mass.
Foster Machine Co., Elkhart, Ind.
Foster Mach. Co., textile machy., supplies, etc., Westfield, Mass.

FOSTER MFG. & SUPPLY CO., 20th & Venango Sts., Philadelphia, Pa.

Foster Marine Boiler Corp., 111 Broadway, New York.
Foster Mead Hardware Co., Huntington, W. Va.
Foster, Merriam & Co., machsts. & fndrs., Meriden, Conn.
Foster-Munger Co., sash, door & blind mfrs., etc., see Chicago Millwork Supply Co. (successors).
Foster-Morgan Lumber Co., Henry Bldg., Seattle, Wash.
Foster, N. C., Lumber Co., Fairchild, Wis.
Foster-Newbegin Lumber Co., Frederickson, Wash.
Foster Pump Works, Inc., Bridge and Plymouth Sts., Brooklyn, N. Y.
Foster, R. S., Lbr. Co., 1700 Ky. av., Indianapolis, Ind.
Foster-Richardson Co., bedstead mfrs., Westboro, Mass.
Foster, Robt. W., machsts. & fndrs., 115 S. Water st., New Bedford, Mass.
Foster Rubber Co., 105 Federal St., Boston, Mass.
Foster, S. A., Lumber Co., Lincoln, Neb.
Foster-Songer Company, Park Bldg., Pittsburgh, Pa.
Foster, Sons & Co., David S., Utica, N. Y.
Foster Sheet Metal Co., ceilings, cornices, ornaments, etc., Springfield, Ill.
Foster, Stevens & Co., wholesale hardware, 157 Monroe av., N. W., Grand Rapids, Mich.
Foster Stove Co., Ironton, O.
Foster, Theo. W., & Bro. Co., shears, scissors, silver novelties, 100 Richmond, Providence, R. I.
Foster-Thornburg Hardware Co., 2nd Ave. & 12th St., Huntington, W. Va.
Foster, Tobias, machinist, Spencerville, Ohio.
Foster, Walter H., Co., milling machines, 50 Church, New York.
Fostoria Battery Co., Fostoria, Ohio.
Fostoria Glass Co., lamp chimney, Moundsville, W. Va.
Fostoria Incandescent Lamp Div. of G. E. Co., Fostoria, Ohio.
Fostoria Mach. & Tool Co., Fostoria, Ohio.
Fostoria Pressed Steel Co., sheet metal stampings, Fostoria, Ohio.
Fostoria Provision Co., meat packers, Fostoria, Ohio.
Fostoria Screw Co., Fostoria, Ohio.
Fothergill, Thos. W., cornices & skylights, Houston, Tex.
Foucar Ray & Simon, Inc., steel merchants & agents, 512H Folsom, San Francisco, Calif.
Foucart, J. E., mach. knives & saws, 415H W 3d, Williamsport, Pa.
Fouch Electric Mfg. Co., 105-7 N. Ninth St., Portland, Ore.
Fougera & Co., Inc., E., Beekman & Cliff Sts., New York.
Foulds, I., & Son, belting, Hudson, Mass.*
Foulds, Wm., Co., paper & pulp mill, Manchester, Conn.
Foulkes Contracting Co., 705½ Ohio, Terre Haute, Ind.
Foundation Co., 120 Liberty, New York.
Foundries Co., Orrville, Ohio.
Foundry Equipment Co., Buffalo, N. Y.
Foundry Equipt. Co., tumbling barrels, 1833 Columbus rd., Cleveland, Ohio.
Foundry Manganese Co., ferro alloys, etc., Harrison bldg., Philadelphia, Pa.
Foundry Mfg. Co., Inc., St. Albans, Vt.
Foundry Specialty Co., fdry. flux, 504 Edwards bldg., Cincinnati, Ohio.
Foundry Supplies Mfg. Co., 2221 Orchard St., Chicago.
Foundry, trade publications, E. 12th & Chester, Cleveland, Ohio.
Fountain & Choate, contractors, 113 E. 23d, New York.
Fountain Campbell Lumber Co., Ladysmith, Wis.
Fountain, J., Lbr. Co., Appleton, Wis.
Fountain Rock Lime Co., Woodsboro, Ind.
Fountain Spec. Co., Grand Haven, Mich.
Four Drive Tractor Co., Big Rapids, Mich.
Four-In-One Box Makers, Inc., Hattiesburg, Miss.
Four Oaks Motor Car Co., Dept. H, Four Oaks, N. C.
4-One-Box Machine Makers (Baling Wire & Machinery), Rockaway, N. J.
4-One Box Makers Assn., Conway Bldg., Chicago.
Four States Lbr. Co., Texarkana, Ark.
Four Wheel Drive Auto Co., Clintonville, Wis.
Four Wheel Drive Motor Truck Co., Webberville, Mich.
Fourche River Lbr. Co., Bigelow, Ark.
Fourman Bros., lumber mfg., Arcanum, Ohio.
Fouts Co., C. C., Middletown, O.
Fow Mfg. Co., furnace pipe, Water & Mifflin, Philadelphia, Pa.
Fowden, Wm. T., blow-off valves, Chester, Pa.
Fowl, Julius, 207 18th St., New York.
Fowle, John L., belt knives & band saws, Woburn, Mass.
Fowler & Co., curtain rods, Vine st., Worcester, Mass.
Fowler & Pay, Mankato, Minn.
Fowler & Sellars Co., cornices, White Plains, N. Y.
Fowler & Silberhorn, 74 Beard St., Brooklyn, N. Y.
Fowler & Union Horse Nail Co., 1000 Military Rd., Buffalo, N. Y.
Fowler & Wolfe Mfg. Co., Bulletin Bldg., Philadelphia, Pa. (Radiators.)
Fowler Bros., Co., fertilizer, Covington, Ga.
Fowler Canning & Mfg. Co., Fowler, Colo.
Fowler, Chas. S., lbr., Grass Valley, Calif.
Fowler, D., Jr., & Co., brick, Haverstraw, N. Y.
Fowler, F. S., mill & facty. supplies, Amesbury, Mass.
Fowler Electrical Supply Co., The, 325-27 Huron St., Toledo, O.
Fowler, Everett, Haverstraw, N. Y.
Fowler Fndry. Co., machsts. & brass fndrs., Bradford, Pa.
Fowler, G. W., & Co., commutator compounds, North Tonawanda, N. Y.
Fowler, Geo. W., Co., machsts. & fndrs., West Palm Beach, Fla.
Fowler, J. M., lbr., Benson, Vt.
Fowler, J. P., Mfg. Co., machsts. & fndrs., Salt Lake City, Utah.
Fowler, L. A., & Sons, contrs., 1813 Campbell, Kansas City, Mo.
Fowler Lamp & Mfg. Co., 59 E. 24th, Chicago, Ill.
Fowler-Manson-Sherman Cycle Mfg. Co., 1445-55 W. Austin Ave., Chicago.
Fowler Nail Co., see Fowler & Union Horse Nail Co. (successor).
Fowler Net & Twine Co., 127 S. 2d St., Philadelphia, Pa.
Fowler-Norwood-Greene Co., packing boxes, Keene, N. H.
Fowler Packing Co., meat packers, Kansas City, Kans.
Fowler Pole & Tie Co., Fisher bldg., Chicago, Ill.

Fowler, W. J., lumber, Bowdon, Ga.
Fowler-Wainwright Handle Co., Forsyth rd., Macon, Ga.
Fowler-Wolfe Sheet Metal Wks., Inc., Paducah, Ky.
Fowles, Harry I., & Son, contrs., 137 Exchange, New Haven, Conn.
Fowles, J. H., & Son, contractors, Holyoke, Mass.
Fownes Bros. & Co., 119 W. 40th Ave., New York.
Fox & Co., E. S., Reading, Pa.
Fox & Company, Geo. E., 319 W. Ohio St., Chicago.
Fox & Co., John M., 64-66 Union St., Portland, Me.
Fox & Engle, mill & facty. supplies, 233 Broadway, New York.
Fox & Gale, architects, 3 Hamilton pl., Boston, Mass.
Fox, Arthur W., stereopticons, 83 Schermerhorn, Brooklyn, N. Y.
Fox, Benj., Sons, machsts. & fndrs., 513 W. 34th, New York.
Fox Bros. & Co., 126 La Fayette St., New York.
Fox Bros. Hardware Co., Pine Bluff, Ark.
Fox, C. M., Silica Sound, Ridgway, Pa.
Fox, Chas. H., arch'l iron, 369 W. 51th, New York.
Fox, Chas. J., 313 S. Philip St., Philadelphia Pa.
Fox, Chas. K., Heel Co., wooden shoe heels, Haverhill, Mass.
Fox Chemical Co., fertilizer mfgs., Louisville, Ky.
FOX CO., THE GUSTAVE, Fox Bldg., Cincinnati, O
FOX CO., M. EWING, 241 E. 136th St., New York.
Pres.—Louis V. Fox.
Secy.—Maskell E. Fox.
Treas.—Louis V. Fox.
Chicago—1501 S. Peoria St.
Fox Electrical & Mfg. Co., A., 173 Grand Ave., New York.
Fox Furnace Co., Elyria, O.
Fox Furn. Co., Dept. H, Ashland, Ohio.
Fox Gun Co., A. H., 18th & Windrim, Philadelphia, Pa.
Fox, H. W., & Co., contractors, 2917 Greenmount av., Baltimore, Md.
Fox, Henry E., Const. Co., 81 E. 125th, New York.
Fox, J. H., & Son, toys, Berea, Ohio.
Fox, J. M., Iron Wks., brass fndrs., Peekskill, N. Y.
Fox, J. W., Excelsior Co., Grand Rapids, Mich.
Fox, Jas., & Sons, contractors, Richmond, Va.
Fox, Jno., & Co., cast iron pipes, 233 Broadway, New York.
Fox Lake Canning Co., Fox Lake, Wis.
Fox Machine Co., Jackson, Mich.
Fox, Max, scrap iron, 135 S. Water, New Bedford, Mass.
Fox Motor Car Co., Tabor Station, Philadelphia, Pa.
Fox Paper Co., Lockland, O.
Fox Pioneer Scrap Iron Co., Racine, Wis.
Fox River Boiler & Sheet Iron Wks., machsts. & fndrs., Aurora, Ill.
Fox River Cornice Works, Green Bay, Wis.
Fox River Iron Co., Aurora, Ill.
Fox River Paper Co., Appleton, Wis.
Fox River Screen Plate Co., Appleton, Wis.
Fox River Tractor Co., Appleton, Wis.
Fox River Valley Knitting Co., lumbermen's socks, Appleton, Wis.
Fox Supply Co., Brooklyn, Wis.
Fox, Thos., Concord, N. H.
Fox, T. R., & Son, contractors, Goodwin blvd., Hartford, Conn.
Fox Typewriter Co., 634 Front St., N. W. Grand Rapids, Mich.
Fox, W. H., & Sons, paper & pulp mills, Penn. Yan, N. Y.
Fox, William P., & Son, leather, Woburn, Mass.
Fox, Z. F., & Son, clamps, gauges, trucks, etc., Freeport, Mich.

FOXBORO CO., INC., THE, Foxboro, Mass.
Branch Offices:
Baltimore, Md.—L. H. DuPaul, 2812 Norfolk Ave.
Birmingham, Ala.—Haralson Sales Co., Brown Marx Bldg.
Boston, Mass.—49 Federal.
Chicago, Ill.—Monadnock Bldg.
Cleveland—308 Leader News Bldg., A. B. Bates.
New York City—50 Church.
Philadelphia, Pa.—Joseph Esherick (Otis Bldg., 16th & Samson).
Pittsburgh, Pa.—H. S. Gray, Park Bldg.
San Francisco, Calif.—461 Market.
Tulsa, Okla.—S. Cincinnati Ave., Nixon Bldg.
Foreign Offices:
Montreal, Canada—Peacock Bros., Ltd.
Tokyo, Japan—L. J. Healing & Co.
Rotterdam, Holland—N. V. Bureau Voor Economische Stoomproductie.
Seville, Spain—Sebastian Antolin Calvo.
Foy, Edw. A., Co., lightning rods, etc., 815 Broadway Cincinnati, Ohio.
Foy Paint Co., Gilbert Ave. & Eden Pk. Entrance, Cincinnati, O.
Foye Lumber Co., W. J., 924 Omaha National Bank Bldg., Omaha, Neb.
Foyer & Co., Chas. A., 1120 Prospect Ave., S. E., Cleveland, O.
Fradley, J. F., & Co., silver nov., 312 E. 23d, New York.
FRAIM, E. T., LOCK CO., castings, locks, 237 Park Ave., Lancaster, Pa.
Fraley's, S. C., Sons, scrap iron & steel, 515 Richmond, Philadelphia, Pa.
Fralick & Co., S. R., 15 S. Clinton St., Chicago.
Fralin, J. L., canned goods, Blue Ridge, Springs, Va.
Framburg, H. A., & Co., elec. & gas light fixtures, 3320 Carroll, Chicago, Ill.
Framerican Industrial Development Corp., imp. engines, lenses, etc., 21 E. 40th, New York.
Framing Foundries, grey iron castings, Framingham, Mass.
Framingham Coal Co., Framingham, Mass.
Framingham Constr. & Supp. Co., Framingham, Mass.
Framingham Lumber Co., Framingham, Mass.
Framingham Mfg. Co., pressure reducing valves, 82 Herbert, Framingham, Mass.
Framingham Screw Works, Wellington Ave., Framingham, Mass.
France Co., stone producers, Toledo & Van Wert, Ohio.
France Mfg. Co., The, Berea Rd. & W. 104th St., Cleveland, O.
France Milling Co., buckwheat flour, Cobleskill, N. Y.
France Packing Co. (Inc.), 6512 State Road, Tacony, Philadelphia, Pa.
France Slag Co., concrete, slag & crushed stone, 2735 Front, Toledo, Ohio.
France Stone Co., 2nd Nat'l Bank bldg., Toledo, Ohio.
Frances, L. M., mach. & fdr., Reading, Pa.
Francesconi, J. C., & Co., imps., oils, etc., 12 Water, New York.
Franche & Co., C. E., 440 Orleans St., Chicago.
Francini, C., marble imptrs., Lexington av. & 35th, New York.
Francis & Co., Hartford, Conn.
Francis & Co., P. E., 140 S. Dearborn St., Chicago.
Francis & Nygren Fdry. Co., 2542 Fillmore St., Chicago.
Francis Chemical Co., 131 Washington, Providence, R. I.
Francis Co., Chas. E., Rushville, Ind.
Francis Mfg. Co., dress hooks, Niagara Falls, N. Y.
Francis, Philip S., trolley pole brackets, 115 N. 6th, Philadelphia, Pa.
Francis Vitrie Brick Co., Boynton, Okla.
Francis, W. R., & Bros., lumber mfrs., 1422 W. Cary, Richmond, Va.
Franciscus Hardware Co., Tyrone, Pa.
Francke Co., The, New Brunswick, N. J.
Francke Co., flexible couplings, 40 Central av., Newark, N. J.
Franco Am. Chem. Wks., Carlstadt, N. J.
Franco Electric Corp., Tillary & Pearl Sts., Brooklyn, N. Y. (Now Yale Electric Co.)
Frand, M. J., & Co., mchsts., Camden, N. J.
FRANK & CO., ALBERT, Boston, Mass.
Frank & Gutmann, jewelry cases, 25 W. 8th, New York.
Frank & Hedden Co., machsts., 183 1st, Jersey City, N. J.
Frank & Sons, Nathan, 1402 Mullikin St., Baltimore, Md.
Frank & Tichenor, 39 E. 20th St., New York.
Frank, B., & Sons, leather, 40 Spruce, New York.
Frank Chicory Co., Bay City, Mich.
Frank, De Keyser, bathroom fittings, 288 Greenwich, New York.
Frank Foundries Corporation, 1745 W. 2nd St., Davenport, Iowa.
Frank, H. J., Fdry. & Mach. Co., Davenport, Ia.
FRANK HEATER & ENGINEERING CO., O. E., 80 W. Genesee St., Buffalo, N. Y.
Mrs. Olive E. Frank.
R. N. Cundall.
John Trefts.
New York Office—200 Fifth av., Geo. L. Litz.
Frank, Henry, Jr., 374 Hudson St., New York.
Frank, J. H., architect, Real Est. Tr. Bldg., Philadelphia, Pa.
Frank, L. & Son Co., meat packers, 644 Market, Milwaukee, Wis.
Frank, L. & Sons, fertilizer mfrs., Zanesville, O.
FRANK, M. K., Union Trust Bldg., Pittsburgh, Pa.
Frank Machinery Co., 419 Broadway, Buffalo, N. Y.
Frank Oil Co., Titusville, Pa.
Frank, P. M., Disinfecting Co., 91 Bleecker, New York.
Frank Pure Food Co., canned goods,288 E. Water, Milwaukee, Wis.
Frank, S. H. & Co., leather, 416 Battery, San Francisco, Calif.
Frank, S. M. & Co., smoking pipes, 133 5th av., New York.
Frank Saddlery Co., L., San Antonio, Tex.
Frank Steam Boiler Co., R. E., 6714 S. Chicago Ave., Chicago.
Frankau, Adolph, & Co., smoking pipes, 129 5th av., New York.
Franke & Co., Fred, 900 E. Main St., Louisville, Ky.
Franke Co., C. D., Charleston, S. C.
Franke, H., lumber mfrs.,. Ft. Wayne, Ind.
Frankel Bros. & Co., scrap rubber, Rochester, N. Y.
Frankel Connector Co., 177 Hudson St., New York.
Frankel Display Fixture Co., 177 Hudson, New York.
Frankel, Max Co., bottle' machy., 208 Pearl, New York.
Frankel Specialties Co., slip covers, 59 E. Tre av., New York.
Frankelite Co., The, 5016 Woodland Ave., Cleveland, O.
Frankenberg Constr. Co., Ferris Bldg., Columbus, Ohio.
Frankenberg Refrigerating Machine Co., 345 Jackson St., Milwaukee, Wis.
Frankenmuth Woolen Mill Co., knitted gloves, Frankenmuth, Mich.
Frankford Brick Wks., Torsdle av., Philadelphia, Pa.
Frankford Coal & Lime Co., 4430 Penn, Philadelphia, Pa.
Frankford Lighting Fixture Manufacturers, 4273 Frankford St., Philadelphia, Pa.
Frankford Mach. Co., Inc., 4099 Frankford av., Philadelphia, Pa.
Frankfort Broom Co., Frankfort, Ky.
Frankfurth Hardware Co., 119 W. Water St., Milwaukee, Wis.
Frankham Brass & Bronze Co., The, Canton, O.
Franklin, B. A., Stone, Laporte, Ind.
Franklin, H. H., Mfg. Co., autos, 302 S. Geddes, Syracuse, N. Y.
Franklin Board & Paper Co., Franklin, Ohio.
Franklin Brass & Bronze Co., Franklin, Pa.
Franklin Brass Co., Fndrs., Battle Creek, Mich.
Franklin Brass Foundry, 100 Young, Long Island City, N. Y.
Franklin Brass Fdry. Co., Reading, Pa.
Franklin Brick & Tile Co., 80½ N. High, Columbus, Ohio.
Franklin Buggy Co., Barnesville, Ga.
Franklin Builders' Supply & Coal Co., 400 W. Broad, Columbus, Ohio.
Franklin Coal & Coke Co., Royalton, Ill.
Franklin Coffin Wks., 1326 Syramore, Cincinnati, Ohio.
Franklin Co., The, 120 S. Dearborn St., Chicago.
Franklin Contracting Co., 2425 Greenmount av., Baltimore, Md.
Franklin Core Rod & Gagger Co., Franklin, Pa.
Franklin Cotton Mill Co., Plum & Charles, Cincinnati, O.
Franklin Cotton Oil & Fertilizer Co., Franklin, Va.
Franklin County Mining Co., coal mine, Benton, Ill.
Franklin Die & Tool Machine Co., Front & Beck Sts., Columbus, O.
FRANKLIN DIE-CASTING CORP., Gifford & Magnolia, Syracuse, N. Y.
Franklin Elec. Mfg. Co., Hartford, Conn.
Franklin Engng. & Const. Co., 403H Flanders Bldg., Philadelphia, Pa.
Franklin Filing Supply Co., 70 Duane, New York.
Franklin Fndry Co., Franklin, Pa.
Franklin Fountain Pen Co., 51 N. 10th St., Philadelphia, Pa.
Franklin Guano Co., fertz. mfrs., Liberty, S. C.
Franklin Hdwe. Co., mill & facty. supplies, Franklin, Ky.
Franklin Hdwe. Co., mill & facty. supplies, 37 Howard, New York.
Franklin Iron Works, machsts. & fndrs, La Crosse, Wis., & Mt. Vernon, Wash.
Franklin Knitting Mills, 511 E. 72d St., New York.
Franklin, L. Murray, Jr., architect, 50 E. 41st, New York.
Franklin Lumber Co., Franklin, Pa.
Franklin Mach. & Steam Boiler Wks., 88 Quay, Brooklyn, N. Y.
FRANKLIN MACHINE CO., Providence, R. I.
Franklin Mach. Co., 126 Folsom, San Francisco, Cal.
Franklin Machy. & Supply Co., contrs.' machy., 1915 Santa Fe av., Los Angeles, Cal.
Franklin Mfg. Co., H. H., 302 S. Geddes St., Syracuse, N. Y.
Franklin Mfg. Co., New Haven, Conn.
Franklin Mfg. Co., The, Orchard St., Franklin, Pa.
Franklin Mfg. Co., curtain rod sockets, 354 Mortimer, Buffalo, N. Y.
Franklin Mills, cotton sheetings, Greenville, S. C.
Franklin Mills Co., flour, Batavia, N. Y.
Franklin Mills Corp., Franklin, Mass.
Franklin Mills Corp., towels, Unionville, Mass.
Franklin Needle Co., Franklin, N. H.
Franklin Oil & Gas Co., Bedford, O.
Franklin Oil Works, Franklin, Pa.
Franklin Paper Co., Holyoke, Mass.
Franklin Plbg. & Tinning Co., cornices & skylights, Atlanta, Ga.
Franklin Portable Crane & Hoist Co., Franklin, Pa.
Franklin Process Co., dyeing machy., 564 Eddy, Providence, R. I.
Franklin Quality Refining Co., oils, Franklin, Pa.
Franklin Railway Oil Co., Franklin, Pa.
Franklin Railway Supply Co., 332 S. Michigan Ave., Chicago.
Franklin Railway Supply Co. of Canada, Ltd., Montreal, Can.
Franklin Railway Supply Co., Inc., 17 E. 42nd St., New York.
Franklin Rubber Co., clothing, 134 Federal, Boston, Mass.
Franklin Silica Sand Co., Franklin, Pa.
Franklin Silver Plate Co., Greenfield, Mass.
FRANKLIN STEEL WORKS, Franklin, Pa.
Franklin Steel Works, Joliet, Ill.
Franklin Stone Co., Nicholson, Pa.
Franklin Sugar Refining Co., 125 S. Orianna, Philadelphia, Pa.
Franklin Valveless Engine Co., Franklin, Pa.
Franklin, W. A. Sons Co., contrs., 375 Cuyahoga, Akron, Ohio.
Franklinville Canning Co., lock corner boxes, Franklinville, N. Y.
Franklinville Mfg. Co., Franklinville, N. C.
Frankman Bros. Bridge & Construction Co., Metropolitan Life Bldg., Minneapolis, Minn.
Franks Canning Co., Franks, Mo.
Franks, Howard T., & Co., architects, 3416 Scranton rd., Cleveland, Ohio.
Franks, J. W., & Sons, advtg. & nov., Peoria, Ill.
Franks Mfg. Co., Rock Island, Ill.
Frankton Canning Co., Frankton, Ind.
Fransen, Nels P., & Co., bldg. contrs, Endicott Bldg., St. Paul, Minn.
Franssens, J. M., harness, saddles, etc., Green Bay, Wis.
Frantz Mfg. Co., Sterling, Ill.
FRANTZ REFRIGERATION CO., 406-416 N. Front, Reading, Pa.
Franz Bros. Packing Co., meat packers, Springfield, Ill.
Franz Foundry & Machine Co., The, Akron, O.
Franzen, Wm., & Son, glass bottles, Chase & George, Milwaukee, Wis.
Franzke, Aruthur, cornice & skylights, Bellingham, Wash.
Franzmeier, Louis, clover bunchers, grain lifter guards, Timothy, Wis.
Fraprie-Douglas Co., tex. machy., supplies (paper cop tubes), 101 Winter, Fall River, Mass.
Frary Mfg. Co. (Tool Handles), Charlemont, Mass.
Frary Spool Co., Berlin, N. Y.
Fraser & Company, Ottawa, Can.
Fraser, A. L., cornices, Salem, Oregon.
Fraser Battery Co., Cleveland, O.
Fraser-Brace & Co., 32 Pearl, New York.
Fraser Co., engines & milling machs., 667 E. Water, Milwaukee, Wis.
Fraser Co., Warren F., Westboro, Mass.
Fraser Companies, Ltd., Plaster Rock, N. B., Can.
Fraser, E. L., 141 N. 3rd St., Philadelphia, Pa.
Fraser, F. A., Co., 202 Davis, San Francisco, Calif.
Fraser Granite Co., Mansfield, Ohio.
Fraser Lbr. Co., Fraser, Idaho.
Fraser, Robt. M., granite, Montpelier, Vt.
Frasse & Co., Peter A., 417 Canal St., New York.
Fraters Glass & Paint Co., 440 Commercial, Los Angeles, Calif.
Fraters Glass & Paint Co., 1190 Ocean av., Long Beach, Calif.
Frauenfelder, John J., architect, Story Bldg., Los Angeles, Calif.
Frauneder, C., 335 8th, Oakland, Calif.
Frautz, Wm. H., & Son, bldg. contrs., Geneva, N. Y.
Frazar & Co., 30 Church St., New York.
Frazee, H. E., flour, Pelican Rapids, Minn.
Frazee, Jas., Milling Co., flour, Baldwinsville, N. Y.
Frazer & Jones Co., castings & saddlery hdwe., 351 W. Fayette, Syracuse, N. Y.
Frazer Bros. Co., machsts., Adams, N. Y.
Frazer, G. M., mach. & fdr., Eugene, Ore.
Frazer Lubricator Co., 3921 Normal Ave., Chicago.
Frazer Lubricator Co., 97 Warren, New York.
Frazer Paint Co., Hubbard & M. C. R. R., Detroit, Mich.
Frazeur Lime Wks., Bridgeton, N. J.
Frazier, C. E., architect, Candler Bldg., Atlanta, Ga.
Frazier-Evans Constr. Co., Weightman Bldg., Philadelphia, Pa.
Frazier, J. H., marine r'ways & dry docks, Marblehead, Mass.
Frazier Packing Co., canned goods, Elwood, Ind.
Frazier, R. H., & Son, contractors, 125 W. Mulberry, Baltimore, Md.
Frazier, W. S., & Co., auto. wood bodies, Aurora, Ill.
Freas, Francis L., barometers, hydrometers, theromometers, etc., Conshohocken, Pa.
Frechie & Co., Joseph E., 27 N. 7th St., Philadelphia, Pa.
Fredenburg & Lounsbury, 381 4th Ave., New York.
Fredenberg, M. D., machinist & founder, Alexandria, Minn.
Frederick & Nelson, 5th & Pine Sts., Seattle, Wash.
Frederick, Adam, lumber, Woodbury, Pa.
Frederick Brick Co., Kingston, N. Y.
Frederick Brick Wks. of Frederick Co., Frederick, Md.
Frederick Bros., brick, 15th and Allen, Allentown, Pa.
Frederick City Packing Co., Frederick, Md.
Frederick Contr. & Engng. Co., mech. stokers & coal conveyors, 25 W. 42nd, New York.
Frederick Disinfectant Co., Atlanta, Ga.
Frederick Engineering Co., The, Frederick, Md.
Frederick Iron & Steel Co., Frederick, Md.
Frederick Machine Works, milling mach., vices, 460 Foster av., Norwalk, Ohio.
Frederick Piano Co., 125 Cypress av., New York.
Frederick, S. Y., & Son, masons' & bldrs.' matls., Hazleton, Pa.
Frederick, W. F., Piano Co., 635 Smithfield, Pittsburgh, Pa.
Fredericks, Wm. H., sashes, doors & blinds, Camden, N. J.
Frederickson & Shannon, contrs., Cory Bldg., Fresno, Calif.

Frederickson, A. D. & J. V., bldg. contrs., Madison, Wis.
Frederickson Co., castings, Saginaw, Mich.
Fredericktown Lumber Co., Fredericktown, Mo.
Fredonia Brick Co., Fredonia, Kans.
Fredonia Canning Co., Fredonia, Wis.
Fredonia Portland Cement Co., Fredonia, Kans.
Fredonia Preserving Co., Fredonia, N. Y.
Fredonia Window Glass Co., Fredonia, Kans.
Free & Mutchler, sash, door & blind, Paw Paw, Mich.
Free Hand Binder Co., Inc., 227 Pearl St., New York.
Free Sewing Machine Co., Rockford, Ill.
Freeburg, A. S., stone prod., 144 S. Whitney, Hartford, Conn.
Freed-Eisemann Radio Corp., Sperry Bldg., Brooklyn, N. Y.
Freed Heater Co., Collegeville, Pa.
Freed Heater Co., 110 Walnut, Philadelphia, Pa.
Freedner & Co., contractors, Wallace, Idaho.
Freedom Casket Co., Freedom, Pa.
Freedom Lbr. Co., Freedom, Me.
Freedom Oil Works Co., Freedom, Pa.
Freela, D., Sons Co., tanks, steel, Sturgis, Mich.
Freeland Plumbing & Plumbing Supplies Co., steam fitters' supplies, Freeland, Pa.
Freeland, Robert & Co., engnrs., Independent Life bldg., Nashville, Tenn.
Freeland Sons Co., B. F., Sturgis, Mich.
Freeland Steel Tank Co., Portage, Wis.
Freeman & Bros., Philip, 92 Bowery, New York.
Freeman & Wasgatt, granite, Barre, Vt.
Freeman, A. W., hdwe. mfr., 229 Mulberry, Newark, N. J.
Freeman, Chas. A., Mfg. Co., window screens, weather strips, 294 Washington, Boston, Mass.
Freeman Coal Mining Co., Herrin, Ill.
Freeman, E. B., lumber mfrs., Norfolk, Va.
Freeman, E. G., & Co., cornices, Binghamton, N. Y.
Freeman Electric Co., E. H., 803 E. State St., Trenton, N. J.
Freeman Fire Brick Co., New Cumberland, W. Va.
Freeman Fdy. & Mach. Wks., Seymore, Mo.
Freeman, H. C., & Co., belt conveyors, 141 Milk, Boston, Mass.
Freeman, Leon, woven labels, 404 Wells, Chicago, Ill.
Freeman, Louis G., Co., machsts., 909 Sycamore, Cincinnati, Ohio.

FREEMAN MFG. CO. (Boilers), 600 Michigan st., Racine, Wis.

Pres. & Treas.—Chas. Freeman.
V. P.—Michael Freeman.
Secy.—Stephen H. Freeman.

Detroit, Mich.—260 Penobscot Bldg., Chas. Kingston.

Chicago—53 W. Jackson Blvd., A. J. Popham.
Cleveland, O.—Rockefeller Bldg., F. E. Van Hoesen.
Milwaukee, Wis.—167 12th St., W. T. Doyle.
Minneapolis, Minn.—52 Vanderbilt Bldg., L. E. Merritt & Co.

FREEMAN MFG. CO., 525 Market St., San Francisco, Calif. (Formerly June Freeman Mfg. Co.)

Freeman Mfg. Co., surgical hosiery, 2427 Cass av., Detroit, Mich.
Freeman Pattern Supply & Mfg. Co., Hazlewood & Woodville Sts., Toledo, Ohio.
Freeman Perfume Co., almond meal, Norwood & Linden av., Cincinnati, Ohio.
Freeman-Riff Co., larries, 19th & Maple av., Terre Haute, Ind.
Freeman-Smith Lbr. Co., Millville, Ark.
Freeport & Mexican Fuel Oil Corp., Houston, Tex.
Freeport Brass Fdry., Freeport, Ill.
Freeport Chemical Co., Freeport, Tex.
Freeport Clay Products & Mineral Co., brick, Freeport Pa.
Freeport Fndry Co. Freeport Ohio.
Freeport Gas Mach. Co. Freeport Ill.
Freeport Sulphur Co. crude sulphur miners, 61 Broadway, New York.
Freeport Sulphur Co., Freeport, Tex.
Freese Bros., brick, Janesville, Wis.
Freese Co., E. M. Galion, O.
Freese, J. D., & Sons Co., furniture, 250H Homer, Chicago, Ill.
Frei Emil Art Glass Co., 3934 S. Grand av., St. Louis Mo.
Freidus, M., 210 Centre St., New York.

FREIDUS MACHINERY CO., INC., 174 Center St., New York, N. Y.

Frein Masonry & Contrg. Co., 3802 Forest Park blvd., St. Louis, Mo.
Freitag, Weinhardt & Co., 32 N. 6th St., Terre Haute, Ind.
Freling & Steinle, trunks, Omaha, Neb.
Frelinger Iron Works, J. G., 115-17 W. 2nd St., Cincinnati, O.
Fremont Canning Co., Fremont, Mich.
Fremont Foundry & Mach. Co., Fremont, Neb.
Fremont Kraut Co., canned goods, Fremont, Ohio.
Fremont Mfg. Co., incubators, refrigerators, etc., Fremont, Neb.
Fremont Mfg. Co., pipe cutters & threaders, Fremont, Mich.
Fremont Milling Co., flour, Fremont, Neb.
Fremont Oil Co., Fremont, N. C.
Fremont Steam Boiler Wks.,Fremont, Ohio.
Fremont Stove Co., Fremont, Ohio.
French & Co., Samuel H., York Ave., 4th and Callowhill Sts., Philadelphia, Pa.
French & Hecht, Bettendorf, Ia.
French & Hecht, machsts. & fndrs., 4th & Farnam, Davenport, Ia.
French Battery & Carbon Co., Madison, Wis.
French Button Wks., 721 Cherry, Philadelphia, Pa.
French China Co., Sebring, O.
French Creek Fdry. Co., Franklin, Pa.
French Creek Granite Co., St. Peters, Pa.

FRENCH, E. S., (Clamps) 331 W. Ohio St. Chicago.

French, E. W., Co., advtg. spec., 150 Park Row, New York.
French Electric Co., 108 S. 10th St., St. Louis, Mo.
French, F. A., Braddock Ave., Pittsburgh, Pa.
French, F. W., Oxygen Co., Oakland, Calif.
French Fndry Co., Piqua, Ohio.
French, G. N., & Son, carriages, Bellows Falls, Vt.
French, James F., Brookston, Ind.
French, Jesse, & Sons Piano Co., New Castle, Ind.
French, L. E., oil burners, Sebastopol, Calif.
French Mfg. Co., 128 Robbins St., Waterbury, Conn.
French, O. P., & Sons Co., cornices, Woonsocket, R. I.
French Oil Mill Machy. Co., Piqua, O.
French Paper Co., Niles, Mich.
French Process Cigarette Paper Mills, Inc., 220 5th av., New York.
French, R. T., flour mills, Middleville, Mich.

FRENCH RENOVATING CO., THE, 5518 Euclid Ave., Cleveland, O.

Sec.—B. Shannon.
Asst. Mgr.—A. L. Stern.
Vic. Snyder.
Smith Hamilton.

French, S. A., 108 W. 28th St., New York.
French, W. C., machsts. & brass compositing fndrs., Alpena, Mich.
French, W. F., mill & facty. supplies, Milford, N. H.
French, William S., flour mills, Woodstock, Va.
Frenchmen's Bay Packing Co., South Gouldsboro, Me.
Frenchtown Porcelain Co., insulators, Trenton, N. J.
Frenier & Son, J. H., Rutland, Vt.
Frese Optical Co., Adolf (Mechanical Insts. and Optical Goods), 726 S. Hope St., Los Angeles, Calif.
Freshley, N. S., machsts. & brass fndrs., Lebanon, Pa.
Fresno Agricultural Works, Fresno, Calif.
Fresno Brick & Tile Co., Fresno, Calif.
Fresno Bldg. Co., contrs., 3503 Platt av., Fresno, Calif.
Fresno County, Court House, Fresno, Calif.
Fresno Electric Co., 2320 Tulare, Fresno, Calif.
Fresno Flume & Lumber Co., Clovis, Calif.
Fresno Junk Co., Fresno, Calif.
Fresno Lumber Co., Fresno, Calif.
Fresno Marble & Tile Co., 1357 J, Fresno, Calif.
Fresno Planing Mill Co., Fresno, Calif.
Fresno Plumbing Supply Co., Fresno, Calif.
Fresno Public Library, Broadway & Merced, Fresno, Calif.
Fresno Rock Products Co., sand & crushed stone, Bank of Italy Bldg., Fresno, Calif.
Fresno Rubber Stamp Co., burning brands, etc., 1923 Fresno, Fresno, Calif.
Fresno Sheet Metal & Roofing Co., Fresno, Calif.
Fresno Show Case & Fixture Co., 1805 Anna, Fresno, Calif.
Fresno Soap Co., Fresno, Calif.
Fretz, Jr., & Co., S. S., 23d & Sedgley, Philadelphia, Pa.
Fretz, A. L., & Son, contractors, 1213 Filbert, Philadelphia, Pa.
Fretz, Gross & Co., steel umbrella parts, 22d & Sedgley av., Philadelphia Pa.
Freud Engraving & Electrotype Co., 476 Broome St., New York.
Freund, Ernst, meat packer, Bracken & Westwood, Cincinnati, Ohio.
Freund, Frank, Galveston, Tex.
Frevert Machinery Co., 417 Canal St., New York.
Frey & Thomas, wholesale hdwe., York, Pa.
Frey Co., J. S. (now Stanley Rule & Level Co.), Bridgeport, Conn.
Frey, Louis, & Co., blue prints & papers, 68 William, New York.
Frey Planing Mill Co., sash, door & blind mfrs., Louisville, Ky.
Freyberg, C. B., Lbr. Co., Sheboygan, Wis.
Freyberg, Richard H., cornices, 2308 2d av., New York.
Freydberg Bros., Inc., 44 W. 18th St., New York.
Freyder, F. X., contr., Iowa City, Ia.
Freyman's Tool Co., mill & facty. supplies, 309 Prospect, Cleveland, Ohio.
Freymuth, L. H., Jr., gas furnaces, 311 E. Pico, Los Angeles, Calif.
Freyn, Brassert & Co., 312 S. Michigan Ave., Chicago.
Frick & Borwick Granite Co., St. Cloud, Minn.

FRICK & LINDSAY CO., Sandusky & Robinson, Pittsburgh, Pa.

Ashland, Ky.
Bowling Green, Ky.
Bradford, Pa.
Clarksburg, W. Va.
Fort Recovery, O.
Junction City, O.
Marietta, O.
Winchester, Ky.

Frick Company, Waynesboro, Pa.
Frick Coke Co., H. C., Carnegie Bldg., Pittsburgh, Pa.
Frick Grate Bar Co., steel stacks, 816 Locust, Phila., Pa.
Frick, Julius C., cornices, 3040 Baltimore av., Indianapolis, Ind.
Frick-Reid Supply Co., Drew Bldg., Tulsa, Okla.
Frick-Reid Supply Co., oil well supplies, Sandusky & Robinson, N. S., Pittsburgh, Pa.
Fricke, Adolf. See Ritzenthaler, John (successor).
Fricke Co., J. E., 247 Market St., Philadelphia, Pa.
Fricker Co., J., 10 Ely St., Rochester, N. Y.
Fricker, Fred., elec. signs, 428 11th av., New York.
Friction Pivot Co., Inc., 160 5th Ave., New York.
Friday Bros. Canning Co., Coloma, Mich.
Friday Harbor Packing Co., Friday Harbor, Wash.
Friday Mach. & Supp. Co., elec. light plants, Sigourney, Iowa.
Fridman Lumber Co., furniture for public bldgs., New Richmond, Ohio.
Fried & Reineman, meat packers, Spring Garden av., Pittsburgh, Pa.
Fried-Ostermann-Meyer Co., auto. gloves, 623 Reed, Milwaukee, Wis.
Friedberg, Grunauer Co., trunks, 44 Fremont, San Francisco, Calif.
Friedberger-Aaron Mfg. Co., tapes, braids & cords, 18th & Courtland, Philadelphia, Pa.
Friedel Paper Box Co., J. F., 219 Wallace Sq., Syracuse, N. Y.
Friedel, W. R., Co., lbr., 718 S. Dudley, Memphis, Tenn.
Friedlaender & Co., Julius, Columbus, Ga.
Friedlaender, Oscar O., elec. portables, 40 Murray, New York.
Friedlander Box Co., 1300 W. Lake, Chicago, Ill.
Friedlander-Brady Knitting Mills, 501 S. Green, Chicago, Ill.
Friedlander, Jos. B., Co., plate & window glass, 508 W. 48th st., Brooklyn, N. Y.
Friedlander, Julius, & Co., carriages, Columbus, Ga.
Friedlander, Paul N., brushes, 46 E. 14th st., New York.
Friedlander Supply Co., 396 Smith St., Brooklyn, N. Y.
Friedley-Voshardt Co. (Inc.), 733 S. Halsted St., Chicago.
Friedline, Wm., rye flour, Sipesville, Pa.
Friedman, A. J., Co., whol. plbrs. & steam fitters supplies, Passaic, N. J.
Friedman Blau Farber Co., gloves & mittens, sweaters, cardigans. Perkins & E. 37th, Cleveland, Ohio.
Friedman Bros., plate glass, 461 Valencia, San Francisco, Calif.
Friedman Bros., whol. plbrs. & steam fitters supplies, Passaic, N. J.
Friedman, Chas., scrap, iron, rubber, 5 Beacon, Newark, N. J.
Friedman, F. J., & Son, contractor, 53 Fox, Buffalo, N. Y.
Friedman-Lowith Iron Works, 2500 E. 24th, Los Angeles, Calif.
Friedman, M. A., iron, 226 Hillside, Newark, N. J.
Friedman, Philip & Son, arch'l iron & struct'l steel, Pacific blvd. at 50th, Los Angeles, Calif.
Friedman, S. M., Co., cornices, 95 Cedar, Brooklyn, N. Y.
Friedman-Yodelson Co., 10th & Davenport Sts., Omaha, Nebr.
Friedrich & Domnick, Millville, N. J.
Friedrich Co., E. H., Holyoke, Mass.
Friedrich, H., furniture, 2147-2169H Folsom, San Francisco, Calif.
Friedrichs, Carl, machsts., Hoboken, N. J.
Friend & Co., Inc., River St., Petersburg, Va.
Friend & Terry Lumber Co., Sacramento, Calif.
Friend Bros., cornices & skylights, Sioux City, Ia.
Friend, Chas., & Son, harness, saddles, etc., 343 Jackson, St. Paul, Minn.
Friend Mfg. Co., Gasport, N. Y.
Friendland, B., Co., show case, store fixtures, etc., 281 Butler, Brooklyn, N. Y.
Friendsville Roller Mills, flour, Friendsville, Tenn.
Fries & Co., 91 Main, Buffalo, N. Y.
Fries & Fries, 242 Pearl St., New York.
Fries, A., & Sons, brick, Connersville, Ind.
Fries, A. G., Plating Co., 154 Terrace, Buffalo, N. Y.
Fries, Anthony J., 717 Sycamore St., Cincinnati, O.
Fries, Beall & Sharp Co., tin plate, 734 10th, N. W., Washington, D. C.
Fries Bros., 92 Reade St., New York.
Fries, Geo., Sons, wash boilers, egg beaters, etc., 222 S. Front, Philadelphia, Pa.
Fries, W. E., brick, Milton, Pa.
Friesleben & Armstrong, Inc., labels, 533 Canal, New York.
Friestedt Underpinning Co., contractors, 244 Madison av., New York.
Frietchen, Edward, & Bro., soap, Mansfield, Ohio.
Friez & Sons, Julien T., Baltimore St. and Central Ave., Baltimore, Md.
Frigidaire Corp., General Motors bldg., Detroit, Mich.
Fringer, C. F., canned goods, Lithia, Va.
Frings, Martin, parquet floors, 3522 N. Monroe, Philadelphia, Pa.
Frink, Inc., I. P., Franklin Trust Bldg., New York.
Frink Pyrometer Co., Lancaster, Ohio.
Frisbee Hardware Co., Connellsville, Pa.
Frisbie Engine & Mach. Co., 33 E. Water, Cincinnati, O.
Frisbie, L. T., Co., fertilizer mfrs., Allingtown, New Haven, Conn.
Frisbie Mill Co., O. C., 3120 Arcade Bldg., Seattle, Wash.
Frisbie Motor Co., Middletown, Conn.
Frisch Bros., patterns & models, Wilmington, Del.
Frischkorn, H. B., 801 E. Cary St., Richmond, Va.
Frishmuth, Anna Biddle, landscape architect, 400 Boylston, Boston, Mass.
Frisk Mfg. Co., golf bag carriers, 604 Golden Gate bldg., San Francisco, Calif.
Fristedt, H. F., Co., contrs., 327 S. La Salle, Chicago, Ill.
Fritch, D. D., & N. D., flour mills, Macungie, Pa.
Fritchey, J. U., & Son, contractors, Lancaster, Pa.
Frith's Union Slaughter House, meat packers, Dubuque, Iowa.
Fritschy, A. J., Corp., arch'l iron, 604 Greenwich, New York.
Fritts & Co., D. H., (Mouldings) 414 N. Wood St., Chicago.
Fritts, S. S., Jr., 23rd & Sedgley Sts., Philadelphia, Pa.
Fritz Bros., dog collars, Meriden, Conn.
Fritz, C. B., & A. K., bldg., contrs., Madison, Wis.
Fritz, Geo. E., patterns & models, 4 Howard, New York.
Fritz, Geo. J., Fndry. & Mach. Co., 2018 S. 3d, St. Louis, Mo.
Fritz Mfg. Co., blue print cars & draughting tables, Grand Rapids, Mich.
Fritz, W. G., Co., Inc., contrs., 256 Valley rd., W. Orange, N. J.
Fritzell Brass Foundry, New Haven, Conn.
Fritzell, Oscar, Fndry. Co., 49 Middletown, New Haven, Conn.
Fritzsche Bros., Inc., (aromatic chem.) 82 Beekman, New York.
Frix, J. J., flour mills, Walnut Grove, Ala.
Frizell Ladder Co., 135 Granite Ave., Boston, Mass.
Frizlen Cut Glass Co., Mt. Holly, N. J.
Froehlich, Chas. M., heating contrs., Harrisburg, Pa.
Froelich Bros., 142 N. 7th St., Philadelphia, Pa.
Frog, Switch & Manufacturing Co., The, Carlisle, Pa.
Frohe, Leo. P., glass stainers, 220 Broadway, Buffalo, N. Y.
Frohlich Glass Co., sash, doors & blinds, Larned & Shelby, Detroit, Mich.
Frohman, Robb & Little, architects, 140 Boylston, Boston, Mass.

FROMENT & COMPANY, 150 Bank St., New York.

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Off. Mgr.—C. Stuart Tobin.
New York—Ralph C. Tobin.

Fromm, S., sweaters, cardigans, etc., 93 Underhill av., Brooklyn, N. Y.
Front Co., lighting glassware, 1117 Main, Wheeling, W. Va.
Front Supply Co., whol. elec. supplies, 1117 Main, Wheeling, W. Va.
Frontenac Motor Co., 10th & Fayette Sts., Indianapolis, Ind.
Frontenac Motor Co., Plainfield, N. J.
Frontier Brass Fdry., Niagara Falls, N. Y.
Frontier Brick Wks., Niagara Falls, N. Y.

FRONTIER BRONZE CORPORATION, 800 Elmwood Ave., Niagara Falls, N. Y.

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Frontier Chuck & Tool Co., Inc., 30 Letchworth St., Buffalo, N. Y.
Frontier Contr. Co., Morgan bldg., Buffalo, N. Y.
Frontier Cut Glass Co., 198 Terrace, Buffalo, N. Y.
Frontier Engine Wks., machsts., 9 Perry, Buffalo, N. Y.
Frontier Iron Works, 36 Letchworth St., Buffalo, N. Y.
Frontier Mfg. Co., lubricating oils, Dept. H, North Tonawanda, N. Y.
Frontier Meter Works, 12 Waverly, Buffalo, N. Y.
Frontier Plumbing & Heating Co., 353 Ellicott, Buffalo, N. Y.
Frontier Water & Steam Supply Co., 366-370 N. Oak St., Buffalo, N. Y.
Frost & Adams Co., 25 Arch St., Boston, Mass.
Frost & Davis Lumber Co., Inc., Montgomery, Ala.
Frost & Son, Geo. T., Paterson, N. J.
Frost, C. L., & Son, forming machs., Grand Rapids, Mich.
Frost, C. S. & C. H., machsts. & brass fndrs., Watkins, N. Y.
Frost Engng. Co., farm elec. lighting plants, Evansville, Wis.
Frost, F. W., & Co., Inc., importers Asiatic products, 56 Beaver, New York.
Frost Gear & Forge Co., Jackson, Mich.
Frost Herbert H., radio app., 154 Lake, Chicago, Ill.
Frost Insecticide Co., Arlington, Mass.
Frost-Johnson Lumber Co., Merchants Bldg., Shreveport, La.

Frost-Johnson Lumber Co., Boatmen's Bank Bldg., St. Louis, Mo.
Frost-Johnson Lbr. Co., Nacogdoches, Tex.
Frost, Jos., contractor, Gary, Ind.
Frost Mfg. Co., The, Kenosha, Wis.
Frost Mfg. Co., machsts. & fndrs., Galesburg, Ill.
Frost, N. E., Co., heat generators, 761 Mather, Chicago.
Frost Paint & Oil Company, 1209-11 Tyler St., N. E., Minneapolis, Minn.
Frost Ry. Supply Co., friction draft springs, weather strips, Penobscot bldg., Detroit, Mich.
Frost, Samuel L. (Elec. Supp.), 41 W. 14th St., New York.
Frost-Sibley Lumber Co., Lamison, Ala.
Frost-Superior Fence Co., Warren, O.
Frostholm Bros., piston pins & rings, 1009 S. Clinton, Syracuse, N. Y.
Frost's Veneer Seating Co., 50 Union Square, New York.
Frost's Veneer Seating Co., Sheboygan, Wis.
Fruchey Mfg. Co., machsts., 429 Bagg, Detroit, Mich.
Frudden Lumber Co., Ackley, Ia.
Fruehauf Mfg. Co., thermometers, Woohaven, Brooklyn, N. Y.
Fruehauf Trailer Co., auto. truck trailers, 10940 Harper av., Detroit, Mich.
Fruen Cereal Co., Western av., S. W., cor. Thomas av., Minneapolis, Minn.
Fruin-Colnon Contracting Co., Merchants Laclede Bldg., St. Louis, Mo.
Fruin Drop Forge Co., 347 Root, Chicago, Ill.
Fruit Belt Preserving Co., canned goods, East Williamson, N. Y.
Fruit Farm Preserving Co., Cedarville, N. J.
Fruit-Ohi & Co., Sharon, Pa.
Frush, J. P., & Son, contractors, Warsaw, Ind.
Fry Art Co., color mfrs., Great Neck Station, N. Y.
Fry Bros. & Co., soap, 111 E. Canal, Cincinnati, Ohio.
Fry Bros. Mfg. Co., Richmond, Ind.
Fry, E. Y., lumber, Stockton, Ga.
Fry Glass Co., H. C., Rochester, Pa.
Fry, John W., flour mills, Melber, Ky.
Fry, L. E., & Co., motor boat, launch & yacht bldrs., Clayton, N. Y.
Fry Mfg. Co., B. L., Ninth & Monroe Sts., St. Louis, Mo.
Frye & Co., meat packers, Seattle, Wash.
Frye & Co., 119 Sacramento St., San Francisco, Cal.
Frye, J. Marshall, Co., cross arms (wood), Hattiesburg, Miss.
Fryer, D. E., & Co., mason's mtls., 1103 2nd, Portland, Ore.
Fryer, R. D., turpentine, Sumatra, Fla.
Frymier & Hanna Co., contractors, 25 W. 45th, New York.
Fuchs & Lang Mfg. Co., 119 W. 40th St., New York.
Fudge, F. E., turpentine, Colquitt, Ga.
Fuel Engrg. Co. of N. Y., 116 East 18th St., New York.
Fuerst Bros. & Co., 2 Stone St., New York.

FUERST-FRIEDMAN CO., THE, E. 53d & Hamilton Ave., Cleveland, O.

Fuhrer-Ford Milling Co., flour, Mount Vernon, Ind.
Fulcher Brick Co., Lebanon Park, Nashville, Tenn.
Fuld, Wm., toys, games & nov., 1510 Harford, Baltimore, Md.
Fuldner Constr. Co., Majestic bldg., Milwaukee, Wis.
Fuldner Ry. & Sons, furniture, 404H E. 14th, New York.
Fulflo Specialties Co., Blanchester, O.
Fulghum & Co., varnish & shellac, 742 San Pedro, Los Angeles, Calif.
Fulkerson Bros. Handle Co., Puxico, Mo.
Fuller & Co., W. P., Inc., 301 Mission, San Francisco, Calif.
Fuller & Cooper, machsts., Williamson, N. Y.
Fuller & Goepf, plate glass, 32H Page, San Francisco, Calif.
Fuller & Hiller Hdwe. Co., (wholesale), Muscatine, Ia.
Fuller & Johnson Mfg. Co., Madison, Wis.

FULLER & SMITH, 800 Buckley Bldg., Cleveland, O.

Fuller & Son Co., Geo. H., 151 Exchange St., Pawtucket, R. I.
Fuller & Sons Mfg. Co., auto clutches & transmissions, Kalamazoo, Mich.
Fuller & Warren Co., Troy, N. Y.
Fuller & Warren Co., warm air furnaces, gas ranges, etc., 256 Water, New York.
Fuller, A. W., flour, Fullers, N. C.
Fuller Auto Co., 16th & Carr at So. 2nd & Mkt., Chattanooga, Tenn.
Fuller Bros. & Co., 139 Greenwich St., New York.
Fuller Bros., lumber, Vermontville, Mich.
Fuller Brush Co., 647 Main, Hartford, Conn.
Fuller Buggy Co., wagons, Jackson, Mich.
Fuller Canneries Co., Rockefeller bldg., Cleveland, Ohio.
Fuller Co., 1131 Park Ave., Detroit, Mich.

FULLER CO., CHAS. H., 629 S. Wabash Ave., Chicago.

Fuller Company, E. C., 28 Reade St., New York.
Fuller Co., Geo. A., 949 Broadway, New York.
Fuller Co., P. C., Mich.-Trust Bldg., Grand Rapids, Mich.
Fuller, E. H., canned goods, Stanton, Ky.
Fuller Electric Co., Seth W., 100 Bedford St., Boston, Mass.
Fuller Engineering Co., Allentown, Pa.
Fuller Engr. Co., see Fuller-Lehigh Co. (successor).
Fuller, Foley & Co., granite, W. Quincy, Mass.
Fuller, G. W., Co., auto. baskets & trunks, 314 Asylum, Hartford, Conn.
Fuller, Geo. A., & Co., Citizens Nat'l. Bk. bldg., Philadelphia, Pa.
Fuller, Geo. A., Morris bldg., Philadelphia, Pa.
Fuller, Geo. R. Co., artificial limbs, Triangle Bldg., Rochester, N. Y.
Fuller-Goodman Co., lumber, Oshkosh, Wis.
Fuller Iron Wks., founders, 40 Tockwotton, Providence, R. I.
Fuller, J. D., bldrs.' matls., Mountville, Ga.
Fuller, J. J., mfgr. & contr. in gen'l. & spec'l. woodwork, Westfield, Mass.

FULLER-LEHIGH CO., Fullerton, Pa.

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London, England—Babcock & Wilcox, Ltd., Babcock House, Farringdon St., E. C. 4.

Fuller, Lemuel, lbr., Amherst, N. H.
Fuller, Louis E., inks, 157 Christopher, New York.
Fuller Lumber Co., Princeton, Mo.
Fuller Mfg. Co., machsts. & fndrs., 129 Church, New Haven, Conn.
Fuller-Morrisson Company (Manufacturers, Importers and Jobbers of Chemicals and Drugs), 540 West Randolph St., Chicago.
Fuller, Otis L., Co., shear mfrs., Goshen, Ind.
Fuller Steel & Iron Co., Park Bldg., Pittsburgh, Pa.
Fuller, W. A., Co., Inc., cleaning compounds, Greensburg, Pa.
Fuller, W. C., Co., mill & facty. supplies, Mansfield, Mass.
Fuller, W. P., & Co., plate glass, varnish, 301 Mission, San Francisco, Calif.
Fuller, W. P., & Co., N. 229 Post, spokane, Wash.
Fuller-Warren Co., The, 32nd & Wright Sts., Milwaukee, Wis.
Fuller's, G., Sons, steam engines, machsts. & fndrs., Hallowell, Me.
Fullerton Co., arch'l iron, 205 W. 57th st., New York.
Fullerton, D., & Co., meat packers, Paterson, N. J.
Fullerton Electric Co., fixtures, 230 W. 17th, New York.
Fullerton Krueger Lumber Co., 915 Lbr. Ex., Minneapolis, Minn.
Fullerton Lumber Co., Minneapolis, Minn.
Fullerton Powell Hardware Lumber Co., 552 Farmers' Trust Bldg., E. St. Louis, Ill.
Fulmer, C. F., timers, spark, Plainfield, N. J.
Fulmer, J. H., Nazareth, Pa.
Fulper, Edw. B., American Mech. Bldg., Trenton, N. J.
Fulper Pottery Co., Flemington, N. J.
Fulton Asphalt Co., 53 W. Jackson St., Chicago.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Fulton Bag Co., Fulton, N. Y.
Fulton Bell Co., drink mixers, 451 Greenwich, New York.
Fulton Blue Print Co., 180 Fulton Sq., New York.
Fulton Brick & Tile Co., Fulton, Ohio.
Fulton Brick Works, Richmond, Va.
Fulton, C. E., ship builders. Wilmington, Calif.
Fulton Co., The, Kingston Park, Knoxville, Tenn.
Fulton Co., 732-42 75th Ave., Milwaukee, Wis.
Fulton-Convey & Co., wholesale hardware, Louisville, Ky.
Fulton Cornice & Skylight Wks., 11 E. 1st st., New York.
Fulton County Silk Mills, knitted gloves, Gloversville, N. Y.
Fulton Drop Forge Co., Canal Fulton, O.
Fulton Engine Works, Inc., 1000 Alhambra, Los Angeles, Calif.
Fulton Fire Brick Co., 732-42 75th Ave., Fulton, Mo.
Fulton Fdry. & Mach. Co., 25 Furman St., Brooklyn, N. Y.
Fulton Fdry. & Machine Co., Marquette St. and L. S. & M. S. R. R., Cleveland, O.
Fulton, H. K., corn brooms, Wilmington, Del.
Fulton Hardwood Brass Fdry. Co., 552 Farmers Tr., South Bend, Ind.
Fulton Iron Works (Hdwe. Spec.), 39 Franklin St., Detroit, Mich.

FULTON IRON WORKS CO., 6400 Gambleton Place, St. Louis, Mo.

Dallas, Tex.—Praetorian Bldg.
New Orleans, La.—Hibernia Bank Bldg.
New York—82 Wall St.
Oklahoma City, Okla.—2024 W. 18th St.

Fulton Lumber Co., Fulton, Kan.
Fulton Machine & Vise Co., Lowville, N. Y
Fulton Mach. Co., pulleys, vises, etc., Canal Fulton, O.
Fulton Machine Co., 1525 Dayton St., Chicago.
Fulton, Mehring & Houser Co., York, Pa.
Fulton Metal Bed Mfg. Co., Atlanta, Ga.
Fulton Motor Truck Co., Webster av., L. I., N. Y.
Fulton Motors Corporation, Farmingdale, L. I., N. Y
Fulton Office Furniture Co., 105 N Penn. Ave., Indianapolis, Ind.
Fulton Packing Co., meat, 820 Fulton, Chicago, Ill.
Fulton Pit Car Co., The, Canal Fulton, O.
Fulton Saw Works, 52nd Ave. & 22nd St., Cicero Ill.
Fulton Shipbuilding Co., Wilmington, Calif.
Fulton Shoe Polish Co., 289 Pearl, New York.
Fulton Specialty Co., 128 Fulton St., Elizabeth, N. J
Fulton Stone Co., Fulton, Ohio.
Fulton Supply Co., machy. dlrs., 70 Nelson, Atlanta, Ga
Fulton Supply Co., plumbers' supplies—jobbers, 1600 Fulton, Chicago, Ill.
Fulton Tool Wks., 20th & Guyan av., Huntington, W. Va.
Fulton-Walker Co., 20th & Filbert Sts., Philadelphia, Pa
Fulton Witz & Co., overalls, Staunton, Va.
Fultonham Texture Brick Co., E. Fultonham, O.
Fulwider Lbr. Co., 323 W. 3d, Bloomington, Ind.
Funck, Philip, Corp., machinists, Rochester, N. Y.
Funk & Wagnalls Co., 354-360 Fourth Ave., New York
Funk Bros. Mfg. Co., Chicago Heights, Ill.
Funk, J. M., sash, door & blind mfr., Waynesburg, Pa.
Funk, Jos. P., & Co., meat packers, 1024 N. Main, St. Louis, Mo.
Funke Co., Inc., H. F. L., 116 Broadway, New York
Funke, Ferdinand, Sons, paper & pulp mills, 1742 W Frank, Evansville, Ind.
Funkhouser, R. J., & Co., ties, poles & posts, Hagerstown, Md.
Funsten Clay Products Co., 55 New Montgomery, San Francisco, Calif.
Funston, Edmund B., Co., architects, Robinson bldg., Racine, Wis.
Funston Electric Co., 1310 Wyandotte St., Kansas City, Mo.
Fuqua Hardware Co., Baton Rouge, La.
Fuqua, J. J., flour mills, Milan, Tenn.
Fur Trade Review, 43 W. 29th st., New York.
Furcoun Mfg. Co., Inc., 115 Fourth Ave., New York
Furhman, Louis P., meat packer, 1010 Clinton, Buffalo N. Y.
Furlong, Andrew J., Norristown, Pa.
Furlong, Jno. W., & Co., contrs., 46 Benevolent, Providence, R. I.
Furman Farm Improvement Co. See Furman Fertilizer Wks. (successors).
Furnace Engineering Co., Inc., 5 Beekman St., New York
Furnald, John C., machsts. & fndrs., Rochester, N. H.
Furnas Office Furniture Co., 129 S. East St., Indianapolis, Ind.
Furness Bros. Co., 1613 Walnut St., Chicago.
Furniture Journal, trade publication, 537 S. Dearborn st. Chicago, Ill.
Furniture Mfg. & Artisan, trade publications, Grand Rapids, Mich.
Furniture Record, trade publication, Grand Rapids, Mich.
Furniture Reporter, publication, 180 New Montgomery San Francisco, Calif.
Furniture Studios, Inc., Dept. H, Grand Rapids, Mich.
Furniture World trade publication, 15 W. 38th, New York.
Furr & Kerr, flour mills, Broad Run, Va.
Furst-Kerber Cut Stone Co., 2301 S. La Salle St., Chicago.
Furstenberg Bros, lbr. mfrs., Saginaw, Mich.
Fuse Co., D. & W., Providence, R. I.
Fuss, J. C., grain cradles, Kauffman, Pa.
Futgoye-Paterson Co., lbr., Shugualak, Miss.
Futrell Coupler Co. of Ill., Streator, Ill.
Futrell Coupler Co., Douglas Bldg., Seattle, Wash.
Futurity Investment Co., lumber, Bellingham, Wash
Futvoye-Paterson Co., lbr., Shuqualak, Miss.
Fyans, Fraser & Blackway Co., mill & facty. supplies, 56 N. Main, Fall River, Mass.
Fyfe, Alex. C., machinist, 602 W. 44th st., New York.
Fyfe, Wilson Co., 1 Drumm St., San Francisco, Cal.

FYR-FYTER COMPANY, THE (Fire extinguishers), 454 Crane St., Dayton, O.

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G. G. G. Metal Stamping Co., Warren, Pa.
G. Q. Electric Co., 23-25 Erie St., Milwaukee, Wis.
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G. & C. Foundry Co., Sandusky, O.
G. & D. Mfg. Co., machinists, Streator, Ill.

G. & H. HEATING CO., 917 H, N. W., Washington, D. C.

G. & J. Tire Co., 549H E Georgia, Indianapolis, Ind.
G. & O. Mfg. Co., airplane radiators, New Haven, Conn.

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G. & P. Engraving Co., name plates, Wollaston, Mass.
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Gabel, Henry C., 1772 E. 100th st., Cleveland, O.
Gabel Mfg. Co., poppers (corn) Hawkeye, Ia.
Gabel Packing Co., meat, 221 N. Peoria, Chicago, Ill.
Gable, H. A., Co., whol. hdwe., Harrisburg, Pa.
Gabler Constr. Co., 402 Hudson, New York.
Gabler, Ernest, & Bro., pianos, 132 W. 42d, New York.
Gabriel & Schall, 11 Cliff St., New York.
Gabriel & Schall, Inc., 80 William, New York.
Gabriel, A., coin locks, 364 12th, Oakland, Calif.
Gabriel Auto Co., Cleveland, O.
Gabriel Manufacturing Co., 1407 E. 40th, Cleveland, O
Gabriel Motor Truck Co., 815 Prospect N. W., Cleveland, O.
Gabriel Tubular Furnace Co., 114 1st st., Portland, Ore
Gabriel, W. H., Carriage & Wagon Co., 315 Prospect av., N. W. Cleveland, Ohio.
Gackler Company, The, 13th & Cherry Sts., Philadelphia, Pa. (Leather Goods).
Gade Bros. Mfg. Co., Iowa Falls, Ia.
Gade, C. L., drainage excavators, farm gates & tile ditching machy., Iowa Falls, Ia.
Gade Corp., Henry, (Paper & Twine) 376 Broome St., New York.
Gadfield, C. L., machinist, Millersburg, Ohio.
Gadsden Fertilizer & Gin Co., Gadsden, Ala.
Gadsden Foundry Co., Gadsden, Ala.
Gadsden Pipe Co., Birmingham, Ala.
Gadsden Pipe Co., Gadsden, Ala.
Gaetjens, Chas. F., embossing inks, 626 4th Ave., Brooklyn, N. Y.
Gaffga, J. S., & Co., gas engines, Greenport, N. Y.
Gaffney, B., & Sons, contractors, Saratoga Springs, N. Y.
Gaffney Constr. Co., 1927 Poplar, Philadelphia, Pa.
Gaffney, J. W., Son, contractors, masons' & bldrs.' matls., 427 E. Main, Waterbury, Conn.
Gaffney Mfg. Co., cotton sheetings, Gaffney, S. C.
Gaffney Wood Products Co., wood alcohol, Bradford, Pa.
Gage Coal Co., Robt., Bay City, Mich.
Gage, Eldridge G., Dover, N. H.
Gage, John S., netting, 510 Broadway, New York.
Gage Lumber Co., L. H., 32 Westminster St., Providence, R. I.
Gage Machine Works, Waterford, N. Y.
Gage Mfg. Co., E. E., knives, Gardner, Mass.
Gage Roller Mills, flour, Gage, Okla.
Gage Structural Steel Co., 3141 S. Hoyne Ave., Chicago.
Gage Tool Co., machsts., Vineland, N. J.
Gagen Lbr. & Cedar Co., Gagen, Wis.
Gager Lime & Mfg. Co., James Bldg., Chattanooga, Tenn.
Gahagan, Walter H., 147 Remsen, Brooklyn, N. Y.
Gahm & McCormick, auto accessories, Streator, Ill.
Gain, Ed. C., contr., E. St Louis, Ill.
Gainer, F. H., stamping, Plainville, Conn.
Gaines, L. P., flour, Cave, Ga.
Gainesville Brick Co., Gainesville, Tex.
Gainesville Fdry & Mach. Wks., Gainesville, Fla.
Gainesville Iron Works, Gainesville, Ga.
Gainesville Planing & Coffin Co., Gainesville, Fla.
Gainesville Roller Mills Co., flour, Gainesville, Ga.
Gair & Binderup, 1220 Wazee, Denver, Colo.
Gair & Denderup, machsts., 1120H Wazee, Denver, Colo.
Gair Co., Robert, 350 Madison Ave., (Paper), New York.
Gairing Tool Co., Inc., The, 9 W. Woodbridge St., Detroit, Mich.
Gaiser, W. H., carriages, Wichita, Kans.
Gaites, Peace & Co., 204 Willoughby St., Brooklyn, N. Y.
Galansky, Thos., scrap iron, Alliance, Ohio.
Galard Co., 327-341 Sixth Ave., Newark, N. J.
Galban & Co., Inc., mill & facty. supplies, 82 Beaver, New York.
Galban, Noecker & Co., Inc., see Galban & Co., Inc. (successor).
Galbert, Thos., brick, West Farmington, Me.
Galbraith & Son, C. C., 117 West St., New York.
Galbraith, B. G., asphalt paving contrs., Harrisburg, Pa
Galbraith-Foxworth Co., El Paso, Tex.
Galbraith, John, pckg. box mfrs., 619 Commerce, Philadelphia, Pa.
Galbraith, Paving Co., 3732 Old York rd., Philadelphia.
Galbraith, W. A., cornices & skylights, Opelika, Ala.
Gale Box Machinery Co., Fitchburg, Mass.
Gale, Conrad H., packing box, Tully, Mass.
Gale Elec. Co., contrs., 1119 Broad st., Bridgeport, Conn.
Gale Manufacturing Co., Albion, Mich.
Gale, O. M., Tool & Machy. Co., 303 Wallace, Syracuse, N. Y.
Gale-Sawyer Co., 255 Atlantic av., Boston, Mass.
Galef, J. L., (Firearms) 75 Chambers St., New York.
Galena Clay Products Co., Galena, Ohio.
Galena Crystal Mfg. Co., 2894 Fulton, Brooklyn, N. Y.
Galena Foundry & Machine Co., Galena, Kans.
Galena Iron Works Corp., machsts. & fndrs., Galena, Ill.

GALENA SIGNAL OIL CO., Franklin, Pa.
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V. P.—Wm. P. Wescott, New York.
V. P.—Geo L. Merton, Atlanta, Ga.
Secy.—J. French Miller, Franklin, Pa.
Asst. Sec.—J. C. O'Connor, Franklin, Pa.
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Asst. Treas.—L. E. Stull, Franklin, Pa.
Asst. Treas.—J. G. Cole, Franklin, Pa.

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Richmond, Va.—Mutual Assurance Bldg., Barten H. Grundy.
St. Louis, Mo.—Railway Exchange Bldg., T. J. Powell.
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Galesburg Coulter Disc. Co., Galesburg, Ill.
Galesburg Machine Works, Galesburg, Ill.
Galesburg Malleable Castings Co., Galesburg, Ill.
Galesburg Sheet Metal Works, ventilators, Galesburg, Ill.
Galesburg Spec. Wks., lawn mower oilers, Galesburg, Ill.
Galesburg Writing Mach. Co., machsts. & fndrs., Galesburg, Ill.
Galet, A., plate and window glass, 121 Mission, San Francisco, Calif.
Galewski & Son A., 453 Broome St., New York.
Galewski, David, traveling bags, 1133 Broadway, New York.
Galewski, S., 56 W. 112th St., New York.
Galey Hardware Co., Chester, Pa.
Galion Brass & Bronze Fndry. Co., Galion, Ohio.
Galion Dynamic Motor Truck Co., Galion, Ohio.
Galion Handle & Mfg. Co., Galion, O.
Galion Iron Works & Mfg. Co., Galion, O.
Galion Lumber Co., Galion, Ohio.
Galion Metallic Vault Co., Galion, Ohio.
Gall, Chas. H., granite, 127 N. Dearborn, Chicago, Ill.
Gall Cure Collar Pad Co., North Baltimore, Ohio.
Gall, Wm., stone producers, Ableman, Wis.
Gallagher & Co., contractors, 525 W. 142d, New York.
Gallagher, Bernard, drills, Lynn, Mass.
Gallagher Bros., Uhrichsville, O.
Gallagher, Chas. F., & Staff, industrial engnrs., Phelan Bldg., San Francisco, Calif.
Gallagher, D. F., & Co., arch. iron, 37 Commercial whf., Boston, Mass.
Gallagher, Dan'l J., Mfg. Co., cotton waste, 513 S. Clinton, Chicago, Ill.
Gallagher, John, Co., contr. tents, Madison, Wis.
Gallagher Mfg. Co., machsts., Lynn, Mass.
Gallagher's, Jas., Sons, brass fndrs., 87 Centre, New York.
Gallaher & Speck, 215 W. Congress St., Chicago.
Gallaher Boiler Co., The, 2136 Walnut St., St. Louis, Mo.

GALLAND-HENNING MFG. CO., 26th Ave. and Montana, Milwaukee, Wis.
Pres.—H. J. Nunnemacher.
V. P. & Sec.—W. D. Sawyer.
Treas.—W. S. Droppers.
Gen'l. Mgr.—H. C. Norman.
Chicago—1657 Monadnock Block, H. B. Hayden.
Cleveland, O.—309 Plymouth Bldg., Sidney W. West.
Los Angeles, Cal.—306 East Fourth St., John F. Willard.
New York—18 E. 41st St., Roger O'Donnell.
Pittsburgh, Pa.—380 Union Arcade, Messrs. Demorest & Mundo.

Gallaway, G. W., 52 Ferry St., New York.
Gallbraith, C. C., & Son, life boats & preservers, clinch rings, etc., 49 West, New York.
Galle, W. F., & Co., lbr., 1262 Budd, Cincinnati, Ohio.
Galley Bros., carriages, Mount Pleasant, Pa.
Gallie Machine Works, 429 Tehama, San Francisco, Calif.
Gallin, Jno., & Son., contractors, 252 Front, New York.
Gallison Co., Wm. H., 401 Atlantic Ave., Boston, Mass.
Gallison, F. L., fndrs. & castings, Lawrence, Mass.
Gallivan Building Co., Greenville, S. C.
Gallivan Supply Co., J. A., Muncie, Ind.

GALLMEYER & LIVINGSTON CO., 350 Straight Ave., S. W., Grand Rapids, Mich.
Pres.—Christian Gallmeyer.
V. P.—S. Owen Livingston, Wm. G. Gallmeyer.
Sec.—B. C. Saunders.
Treas.—Chas. H. Gallmeyer.

Distributors and Representatives:
National Bank Bldg., Pittsburgh, Pa. ids Line).
Shaw-Palmer-Bakewell Co., 409 E. Third St. (Union Portable Machines).
San Francisco—Pratt & Whitney, 16-19 Fremont St. (Grand Rapids Line), Sutter 4312.
Smith-Booth-Usher Co., 50 Fremont St. (Union Portable Machines), Sutter 952.
COLO.—Denver—Hendrie & Bolthoff Manufacturing & Supply Co. (Union Portable Machines).
MD.—Baltimore—Aumen Machinery Company, 107 E. Lombard St. (Union Portable Machines).
MASS.—Boston—Frederick A. Cheney Co., 207 Congress St. (Union Portable Machines), Congress 3274.
Wm. H. Field Company, 35 Washington St., N. N. (Union Portable Machines), Richmond 0107.
MICH.—Detroit—Chas. A. Strelinger Co., 149 E. Larned St. (Union Portable Machines), Cadillac 0780.
Cadillac Machinery Co., Cor. LaFayette & Beaubien (Grand Rapids Line), Main 5456.
MINN.—Minneapolis—F. E. Satterlee Co., 118 Washington Ave., N. (Union Portable Machines).
MO.—St. Louis—Corby Supply Company, 1956 North Broadway (Union Portable Machines).
N. Y.—Buffalo—Buffalo Machinery Sales Corp., Ellicott Square (Union Portable Machines), Seneca 3025.
New York—Frecker Brothers, Inc., 30 Church St. (Union Portable Machines), Cortland 3179.
ORE.—Portland—Harry M. Euler Co., 46 Front St. (Union Portable Machines).
Portland Machinery Co., 62 First St. (Valley City Millers).
PA.—Philadelphia—Frank Toomey, Inc., 127 N. Third St. (Union Portable Machines), Market 0261.
Pittsburgh—Law, Kishpaugh & Co., 420 Fulton Bldg. (Union Portable Machines).
WASH.—Seattle—Perine Machinery Co., Inc., 209 First Ave. (Union Portable Machines).

Galloup Pipe & Supply Co., mill supplies, Battle Creek Mich.
Galloway & Wagner, carriages, 303 W. 53d, New York.
Galloway Coal Co., Memphis, Tenn.
Galloway Co., Wm., Waterloo, Ia.
Galloway, Jas., Co., wholesale hdwe., 121 W. Pratt, Baltimore Md.
Galloway, Kennedy Co., plow beams & wagon wheels, Clarendon, Ark.
Galloway-Pease Co., lbr. mfrs., Saginaw, Mich.
Galloway Terra Cotta Co., fountains, etc., 3216 Walnut, Philadelphia, Pa.
Galloy & Van Etten, stone, 11756 S. Halsted, Chicago, Ill.
Galium, A. F., & Sons, leather, 1000 N. Water, Milwaukee, Wis.
Gallum, Wm., cornices, 932 Kinnic av., Milwaukee, Wis.
Gallup & Lewis, mattresses, Jackson, Mich.
Gallup Hdwe. Co., mill & facty. supplies, Cortland, N. Y.
Gallup-Ruffing Handle Co., Norwalk, O.
Galpin's, Alfred, Sons, wholesale hdwe., Appleton, Wis.
Galt Malleable Iron Co., Galt, Can.
Galusha Stone Co., Norman St., Rochester, N. Y.
Galva Heater Co., Galva, Ill.
Galvanized Products Co., hardware mfrs., bolts, etc., Lake av., Cleveland, Ohio.
Galvanized Products Co., steel trunks, etc., 8410 H Phillipsburg, N. J.,
Galveston Wharf Co., Galveston, Tex.
Gamble & Stockton, Jacksonville, Fla.
Gamble Bros., lumber, Highland Park, Ky.
Gamble Const. Co., 620 Chestnut, St. Louis, Mo.
Gamble, Geo. M., & Co., flour mills, Bellefonte, Pa.
Gamble, L. M. F., contrs., Mexico, Mo.
Gamble Lumber Co., Brewster, Wash.
Gamble, O. V., ties, 602 Couch bldg., Portland, Ore.
Gambrill, C. A., Mfg. Co., flour mills, 104 Commerce, Baltimore, Md.
Games Fndry. Co., Ensley, Ala.
Gamewell Co., jigs & fixtures, Newton Upper Falls, Mass.
Gamewell Fire Alarm Telegraph Co., Newton Upper Falls, Mass.
Gammeter Co., The W. F., Cadiz, O.
Gammino, M. A., Constr. Co., 728 Valley, Providence, R. I.
Gammons-Holman Co., The, Manchester, Conn.
Gamon Meter Co., 282 South St., Newark, N. J.
Ganahl Lumber Co., 300 S. Newstead St., St. Louis, Mo.
Ganahl, C., Lumber Co., Los Angeles, Calif.
Ganal Lumber Co., Newstead & Duncan, St. Louis, Mo.
Ganby Phonograph Co., Newport News, Va.
Gancher, Abraham I., adding machs., 148 Duane, New York.
Gander, A., & Sons, constrs., 63 Delaware, Albany, N. Y.
Gandy Belting Co., 726-40 W. Pratt St., Baltimore, Md.
Gandy, Wm H., Lambertsville, N. J.
Gane Bros. & Co., of New York, gold leaf tissue, 106 Lafayette, New York.
Gangelhoff Bros., bedsteads, 909 2d, Minneapolis, Minn.
Gangwer & Co., machsts., La Porte, Ind.
Ganley, Ernest M., contr., 1002 Plymouth bldg., Minneapolis, Minn.
Gannaway, Jno. E., & Co., wholesale hardware, Lynchburg, Va.
Gano, Moore & Co., pig iron dlrs., Land Title bldg., Philadelphia, Pa.
Gans Bros., umbrella mfrs., 100 S. Hanover, Baltimore, Md.

GANSCHOW CO., WILLIAM, 1017 Washington Blvd., Chicago.
Pres.—Wm. Ganschow.
Treas.—E. J. Ganschow.
Secy.—C. F. Goedke.

Ganser, Chas., 659 E. 36th, Los Angeles, Calif.
Gant Mfg. Co., E. M., Ethridge, Tenn.
Ganter, F. X., & Co., store fixtures, cor. Sharp & Ostend, Baltimore, Md.
Gantner & Mattern Co., sweaters, etc., Grant av. & Post, San Francisco, Calif.
Gantner, Wm., Co., cornices & skylights, 9 De Ray, Pittsburgh, Pa.
Gantt Mfg. Co., agricultural implements, Macon, Ga.
Gara-McGinley Co., 218 N. 13th St., Philadelphia, Pa.
Garage Constr. Co., Grant & Oliver av., Pittsburgh, Pa.
Garbe Iron Works, 1-9 Clark St., Aurora, Ill.
Garbe Mfg. Co., stamping dies, etc., 1723 San Fernando rd., Los Angeles, Calif.
Garber & Cissel, Inc., contr., 203 W. 4th, Bethlehem, Pa.
Garber & Wilbarger Co., machsts., Harrisonburg, Va.
Garber, Jos. S., brick, Pottstown, Pa.
Garber Mill & Elevator Co., flour, Garber, Okla.
Garbush, A. O., & Sons Co., glass cutting boards, Stillwater, Minn.
Garbutt, A. G., Lbr. Co., Statenville, Ga.
Garcin & Co., Edward H., 1821 Broadway, New York.
Gard Pattern Co., 929 Lawrence av., Denver, Colo.
Gardam & Son, Inc., Wm., 114 Park Pl., New York.
Garden City Brass Works, San Jose, Cal.
Garden City Chandelier Co., 552 W. Jackson blvd., Chicago, Ill.
Garden City Fan Co., 332 S. Michigan Ave., Chicago.
Garden City Feeder Co., Pella, Ia.
Garden City Laboratory, soldering flux, etc., 2635 S. State, Chicago, Ill.
Garden City Metal Works, cornices, San Jose, Calif.
Garden City Plating & Mfg. Co., 1430 S. Talman av., Chicago, Ill.
Garden City Pottery Co., San Jose, Calif.
GARDEN CITY SAND CO., THE, Chamber of Commerce Bldg., Chicago.
Garden City Soap Co., San Jose, Calif.
Garden City Spring Wks., 2300 Archer Ave., Chicago.
Garden City Tablet Co., pads, Elkhart, Ind.
Gardiner, Beardsell & Co., shoe counters, 28 Lincoln, Boston, Mass.
Gardiner, E. W., mill & facty. supplies, Amsterdam, N. Y.
Gardiner Hdwe. Co., mill & facty. supplies, Gardiner, Me.
Gardiner, Hy., granite producers, Millstone, Conn.
Gardiner-McInnes Co., 258 Broadway, New York.
GARDINER METAL CO., 1364 W. Lake, Chicago, Ill.
Gardiner Mill Co., lumber, 16 California, San Francisco, Calif.
Gardiner, Thos. W., & Sons, wooden shoe lasts, Lynn, Mass.
Gardner, A. D., flour, Stayton, Ore.
GARDNER ADVTG. AGCY., 360 N. Michigan Ave., Chicago.
Gardner Broom Co. Amsterdam, N. Y.
Gardner Bros., flour mills, Leetown, W. Va.
Gardner-Bryan Co., 1879 E. 13th St., Cleveland, O.
Gardner Co., B. M., 322 Guardian Bldg., Cleveland, O.
Gardner Co., James Jr., Ebensburg, Pa.
Gardner, E. J., Axle & Mach. Co., Carlisle, Pa.
Gardner Electric Mfg. Co., transformers, Emeryville, Calif.
Gardner General Foundry, Inc., 457 Main St., Gardner, Mass.
Gardner Governor Co., The, McWilliamson St., Quincy, Ill.
Gardner Hardware Co., 304 Hennepin Ave., Minneapolis, Minn.
Gardner Hdwe. Co., mill & facty. supplies, Gardner, Mass.
Gardner-Harvey Paper Co., Middletown, Ohio.
Gardner, I. E., masons' & bldrs.' matls., Hackensack, N. J.
Gardner, Jas., Jr., Co., fire brick, gas retort benches, etc., Bolivar, Pa.
Gardner, Jos., 615 W. Delaware Ave., Indianapolis, Ind.
Gardner Laboratories, 511 E. 9th, Los Angeles, Calif.

GARDNER MACHINE COMPANY, Thompson St., Beloit, Wis.
Distributors:
CALIF.—Los Angeles—Herberts Mchy. & Supply Co., 401 E. Third St., Phone 876-411.
San Francisco—Herbert Mchy. & Supply Co., 140 First St., Douglas 1660.
CONN.—New Haven—Vandyck Churchill Co., Liberty 5447.
ILL.—Chicago—Federal Machinery Sales Co., 12 N. Jefferson St., Monroe 4661.
IND.—Indianapolis—E. A. Kinsey Co., 235 S. Meridian St., Main 1067.
MASS.—Boston 9—Hill-Clarke & Co., 156 Olive St., Main 4438.
MICH.—Detroit—C. A. Strelinger Co., 149 E. Larned St., Cadillac 7080.
MO.—St. Louis—Blackman Hill McKee Mchy. Co., 1513 N. Broadway, Tyler 970.
N. Y.—Buffalo—Oliver Abrasive & Tool Co., 60 Pearl St., Seneca 1746.
Syracuse Supply Co., 62 Pearl St., Seneca 7588.
New York—Vandyck Churchill Co., 52 Vesey St., Cortland 0714.
Rochester—O. R. Adams, Main 7098.
Syracuse—Syracuse Supply Co., 314 W. Fayette St., Phone 2-0342.
O.—Cincinnati—E. A. Kinsey Co., 335 W. Fourth St., Main 4492.
Cleveland—Cleveland Tool & Supply Co., 1427 W. 6th St., Cherry 2510.
Toledo—Coughlin Kirby Mchy. & Supply Co., 109 St. Clair St., Main 4854.
PA.—Philadelphia—Walter C. Gold, 235 Race St., Market 2388.
Vandyck Churchill Co., Widener Bldg., Locust 4091.
Pittsburgh—Penn General Supply Co., 103 Market St., Court 3280.
CANADA—Toronto, Ont.—F. F. Barber Machy. & Supply Co., Adelaide 5831.

Gardner Machine Works, Gardner, Mass.
Gardner Mill Co., 2415 Elston Ave., Chicago.
Gardner Motor Co., autos, Main & Rutger, St. Louis, Mo.
Gardner, Peterman & Co., lumber mfrs., Saginaw, Mich.
Gardner Printing Co., Caxton Bldg., Cleveland, O.
Gardner, R., Electrical Works, forge blowers, 1712 Columbus rd., Cleveland, Ohio.
Gardner, S. J., Fdry. & Machine Co., New Albany, Ind.
Gardner, Theo. F., brick, Kingston, N. Y.
Gardner, William, & Co., naval architects, 1 Broadway, New York.
Gardner Wire Co., 5045 W. Lake St., Chicago.
Garetson Mfg. Co., mattresses, San Diego, Calif.
Garey & Co., canned goods, Denton, Md.
Garfield & Co., constr. & industrial equipment concrete plants, 1323 Hearst bldg., San Francisco, Calif.
Garfield Bronze & Iron Works, Garfield, N. J.
Garfield Fire Clay Co., Robinson, Pa.

GARFIELD FIRE CLAY CO., 43 Cedar St., New York, N. Y.

Garfield Smelting Co., Salt Lake City, Utah.
Garfield Mach. Wks., screw machine products, Garfield, N. J.
Garfield Mfg. Co., moulded heat proof insulation, Garfield, N. J.
Garford Mfg. Co. (Tel. & Elec. Supplies), Elyria, O.
Garford Motor Truck Co., The, Lima, O.
Garl Electric Co., 307 Water, Akron, Ohio.
Garland, F. V., Co., trunks, 42 E. 6th, St. Paul, Minn.
Garland, M., Co., machsts. & fndrs., Bay City, Mich.
Garland Mfg. Co., textile machy., supplies, Saco, Me.

GARLAND MANUFACTURING COMPANY, 1709 First National Bank Bldg., Pittsburgh, Pa.
Pres.—Robert Garland.
V. P.—T. L. Brown.
Sec.—John H. Short.
Treas.—R. H. McKnight.
Sales Mgr.—R. H. McKnight.

Branch Offices:
CAL.—Los Angeles—Ewing-Lewis Co., Equitable Bldg.
San Francisco—Ewing-Lewis Co., Underwood Bldg.
COLO.—Denver—B. K. Sweeney Elec'l. Co., 13th Ave. & Broadway.
GA.—Atlanta—H. C. Biglin, 138 Marietta St.
ILL.—Chicago—M. B. Austin & Co., 108 S. Desplaines St.
MASS.—Boston—S. B. Condit, Jr., Co., 261 Franklin St.
N. Y.—New York—V. F. Gates, 30 E. 42nd St.
WASH.—Seattle—Ewing-Lewis Co., Hoge Bldg.

Distributors:
CAL.—Los Angeles—Reiman Wholesale Electric Co.
San Francisco—Dunham, Carrigan & Hayden Co., Kansas & Division, Park 9500.
COLO.—Denver—Hendrie & Bolthoff Mfg. & Supply Co.
Western Electric Co.
D. C.—Washington—Doubleday-Hill Electric Co.
FLA.—Jacksonville—Holt Electric Company.
Miami—Holt Electric Company.
Tampa—Holt Electric Company.
GA.—Atlanta—Gilham-Schoen Electric Co.
Fulton Electric Company.
ILL.—Chicago—Western Electric Co., 500 S. Clinton St., State 3600.
KY.—Louisville—Harbison & Gathright.
Peaslee-Gaulbert Co., Inc.
LA.—New Orleans—Electrical Supply Co.

(Continued on following page)

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GARLAND MANUFACTURING COMPANY—Continued.
MASS.—Boston—Pettingell-Andrews Co.
MICH.—Detroit—Crescent Electric Co., 179 E. Woodbridge, Main 0872.
Morris Blumberg Electric Co., 325 E. Jefferson, Main 7605.
Lansing—Capitol Electric Supply Co.
MINN.—Minneapolis—Northland Electric Co.
Western Electric Co.
St. Paul—St. Paul Electric Co.
Western Electric Co.
MO.—Kansas City—Central States Electric Co., 1414 Grand, Grand 4351.
NEB.—Lincoln—Enterprise Electric Co.
N. J.—Jersey City—Parr Electric Co.
Newark—Krick Light & Electric Co.
Parr Electric Co.
N. Y.—Albany—Electric Supply & Equip. Co.
Esco Electric Supply Co.
Brooklyn—A. S. Elliott Co.
Parr Electric Co.
Buffalo—Electric Supply & Equip. Co., 392 Elm, Tupper 9020.
Elmira—Electric Supply & Equip. Co.
New York—Garfield Electric Co., 147 W. 23rd St., Watkins 6811.
John J. Leahy Co., 50 Dey, Cortland 8985.
Parr Electric Co., 77 Warren, Barclay 3866.
Rochester—Kelman Electric Co.
Rowe & Waddell Co.
Syracuse—H. J. Gorke.
O.—Cincinnati—Western Electric Co.
Cleveland—W. Bingham Company.
Western Electric Co.
Columbus—Hughes-Peters Electric Co.
PA.—Philadelphia—John Y. Parke & Co., 29 N. 7th St., Lombard 7830.
Western Electric Co., 1601 Glenwood, Columbia 0217.
Pittsburgh—Doubleday, Hill Electric Co., 719 Liberty, Grant 1575.
Iron City Electric Co., 436 7th St., Grant 1489.
W. T. McCullough Electric Co., 317 1st Ave., Court 2420.
Robbins Electric Co., 830 Liberty, Grant 6780.
Union Electric Co., 933 Liberty Ave., Grant 5810.
Western Electric Co., Water & West, Court 4000.
Reading—Electric Supply & Equip. Co.
Scranton—Electric Supply & Equip. Co.
Wilkes-Barre—Electric Supply & Equip. Co.
S. C.—Columbia—Mann Electric Supply Company.
TENN.—Nashville—Western Electric Co.
TEX.—Houston—Tel-Electric Co.
UTAH—Salt Lake City—Inter-Mountain Electric Co.
WIS.—Milwaukee—Julius Andrae & Sons Co.

Garland Ventilator Co., The, 80 E. Jackson Blvd., Chicago.
Garland Wagon Co., New Orleans, La.
Garley Steel Co., 725 Sheridan Road, Chicago.
Garlinghouse Bros., 2028 Santa Fe av., Los Angeles, Calif.

GARLOCK PACKING CO., THE (General Sales Offices and Factories), Palmyra, N. Y.
Pres. & Treas.—F. W. Griffith.
V. P.—Geo. L. Abbott.
Sec.—Ward K. Angevine.
Gen. Sales Mgr.—Harry N. Winner.
ALA.—Birmingham—P. D. Miller, Mgr., 1922 Ave. B, South.
CAL.—San Francisco—C. D. Allen, Mgr., 671 Mission St.
COLO.—Denver—John J. Disch, Mgr., 1540 Cleveland Pl.
ILL.—Chicago—Stanley MacDole, Mgr., C. W. Sullivan, R. J. Hinkle, 600 W. Jackson Blvd.
MASS.—Boston—L. J. Mahon, Mgr., 88 Broad St.
MO.—St. Louis—F. E. Erlandson, Mgr., 1017 Olive St.
N. Y.—New York—J. E. Hillerman, Mgr., E. O. Roby, 114 Liberty St.
O.—Cleveland—Phillip Arnold, Mgr., C. E. Roscoe, 1276 W. 3rd St.
PA.—Philadelphia—H. W. Gulager, Mgr., L. P. Duggan, R. C. Kirkgasser, 1211-17 Arch St.
Pittsburgh—Chas. Schley, Mgr., Chamber of Commerce Bldg.
CANADA:
Winnipeg, Man.—Stanley Anderson, Galt Bldg.
Hamilton, Ont.—H. J. Ramshaw, Mgr., 200 Queen St.
Montreal, Que.—H. A. Clark, 402 New Birk's Bldg.

Garmen & Forkenbrock, cornices & skylights, New Hampton, Ia.
Garmroth, Geo., brick, Payne, Ohio.
Garnar, Thomas, & Co., leather, 181 William, New York.
Garner & Meeks Co., masons' & bldrs.' matls., Guttenburg, N. J.
Garner Brick Works, Haverstraw, N. Y.
Garner Bros., canned goods, Lewisetta, Va.
Garner, J. J., cornices & skylights, Seattle, Wash.
Garner Shingle Co., Everett, Wash.
Garnet, Geo. H., Co., soaps and disinfectants, 911 N. Lumber, Allentown, Pa.
Garnett Bros., hdwe., Medford, Ore.
Garnett Starr Co., Inc., The J., 1518 Hurt Bldg., Atlanta, Ga.
Garnich, Emil, & Sons Hardware Co., Ashland, Wis.
Garon, I., sweaters, etc., Duluth, Minn.
Garrahan Canning Co., Luzerne, Pa.
Garrard Milling Co., flour, Lancaster, Ky.
Garratt & Co., W. T., 299 Fremont, San Francisco, Calif.

GARRATT-CALLAHAN CO., 27 S. Clinton St., Chicago.
Treas. & Mgr.—A. H. Baker.
Mgr. R. R. Dept.—A. H. Hawkinson.

Garratt-Callahan Co., packing mfrs., boiler compounds & metal polish, 146 Spear, San Francisco, Calif.
Garren & Hines, Muscatine, Ia.
Garret Go-Cart & Carriage Co., 1728 Arcade pl., Chicago, Ill.
Garrett & Co., W. D. (Mach. Supplies), 118 E. 28th St., New York.
Garrett & Massie, Inc., Richmond, Va.
Garrett & Son Corp., C. S., 22 S. Marshall St., Philadelphia, Pa.
Garrett, Bryant, flour, Lena, Miss.
Garrett, E., & Son Co., paper & pulp mills, Chester, Pa.
Garrett, Edwin T., Co., paper & pulp mills, Lansdowne, Pa.
Garrett Lumber Co., T. H., Chemical Bldg., St. Louis.
Garrett, Miller & Co., 4th and Orange Sts., Wilmington, Del.
Garrett, Sylvester S., & Co., confetti & paper blankets, 259 S. 3d, Philadelphia, Pa.
Garrett, Wm., wagon spokes, Canandaigua, N. Y.
Garretts, Hy. G., & Son, plate glass, Quincy, Ill.
Garrettson-Ellis Lumber Company, Phoenix Bldg., Springfield, Mass.
Garrigue & Co., Wm., 360 N. Michigan Ave., Chicago.
Garrison, A. Fdry. Co., see Mackintosh-Hemphill Co. (successor).
Garrison Brass & Mach. Wks., 107 W. 13th, New York.
Garrison Brass & Mach. Wks., plbrs.' supplies, 103 E. 41st, New York.
Garrison Brick & Tile Co., Garrison, Tex.
Garrison Bros. Co., tobacco transplanters, Bridgeton, N. J.
Garrison Foundry Co., A., South 9th and Bingham Sts., Pittsburgh, Pa.
Garrison, J. H., & Son, lbr., Garrison, Tex.
Garrison Machine Wks., 28 S. St. Clair, Dayton, O.
Garrity, Ralph E., elec. machy. dealers, Wabash bldg., Pittsburgh, Pa.
Gartelmann, Herman & Co., machsts., 246 Canal, New York.
Gartenberg Co., M., 440 6th Ave., Brooklyn, N. Y.
Gartland Fdry. Co., 4th & Lincoln, Terre Haute, Ind.
Gartland Foundry Co., Danville, Ill.
Gartland-Haswell-Rentschler Foundry Co., Dayton, Ohio.
Gartland Toledo Fndry. Co., Toledo, Ohio.
Gartman, W. D., cornices & skylights, Columbus, Ga.
Garton Toy Co., Sheboygan, Wis.
Gartrell, J. Burgess & Co., contractors, 621 S. Pulaski, Baltimore, Md.
Gartshore, John J., 58 Front St., Toronto, Canada.
Gartside's Iron Rust Soap Co., 677 N. Preston, Philadelphia, Pa.
Garvey & Co., Ed A., 335 Plymouth Ct., Chicago.
Garvey Fountain Brush and Ink Co., 7th & Howard Sts., St. Louis, Mo.
Garvin & Co., cornices, Elkhart, Ind.
Garvin Machine Co., The, Spring and Varick Sts., New York.
Garvis, Benj. E., patterns & models & genl. woodwk., 113-115 Mechanic, Newark, N. J.
Garwood Bronze & Iron Works, Garwood, N. J.
Gary & Son, J. S., American Bldg., Baltimore, Md.
Gary Co., Theo. H., 67 Irving Place, New York.
Gary Construction Co., Gary, Ind.
Gary Fdry. & Mach. Co., East Gary, Ind.
Gary Motor Truck Co., The, Gary, Ind.
Gary Screw & Bolt Co., Gary, Ind.
Garysburg Mfg. Co., lbr., Dept. H, Burgaw, N. C.
Gas Age, trade publication, 52 Vanderbilt av., New York.
Gas Consumers' Assn., gas regulators, 467 O'Farrell, San Francisco, Cal.
Gas Engine & Power Co. & Chas. L. Seabury & Co., Morris Heights, New York.
Gas Engineering Co., Ingham Ave., Trenton, N. J.
Gas Machinery Co., 1900 Euclid, Cleveland, O.
Gas Motor Parts Co., piston rings, 53 Page, San Francisco, Calif.
Gas Power Engng. Co., 213 North av., Milwaukee, Wis.
Gas Producer & Engineering Corp. of New Jersey, 115 Broad St., New York.
Gas Products Association, 140 S. Dearborn St., Chicago.
Gas Tank Recharging Co., Keokuk, Ia.
Gasau-Thompson Co., bedstead mfrs., 10 Ashland pl., Brooklyn, N. Y.
Gascoigne, J., & Co., Inc., contrs., 43 Tremont, Boston, Mass.
Gascoyne & Co., chemists, 27 S. Gay, Baltimore, Md.
Gaskell, Wm., & Son, bolt, nut & rivet mfrs., 59 Freeman, Brooklyn, N. Y.

GASKET SUPPLY CO., THE, gaskets, washers & sheet metal stampings, 1927 Ludlow st., Philadelphia, Pa.

Gaskins Fdry. Co., New Bern, N. C.
Gasner, Simon, & Sons Co., Inc., plbrs. supplies, 447 Sutter av., Brooklyn, N. Y.
Gaso Pumnp & Burner Mfg. Co., 902-914 E. Hodge St., Tulsa, Okla.
Gasoline Engine Equipment Co., electric light plant, 347 Madison av., New York.
Gasparello Bros., granite, Barre, Vt.
Gass, Anthony, cornices & skylights, La Crosse, Wis.
Gast, A. A., & Son, brick, Akron, Ind.
Gastine Co., gasoline economizers, Bridgeton, N. J.
Gaston Canning Co., Gaston, Ind.
Gaston, G. G., lumber, Tionesta, Pa.
Gaston Mfg. Co., cotton sheeting, Cherryville, N. C.
Gaston, Williams & Wigmore Inc., 165 Broadway, New York.
Gastonia Cotton Mfg. Co., Gastonia, N. C.
Gastonia Mill Supply Co., Gastonia, N. C.
Gaston's, N. B., Sons Co., pitless scales, Beloit, Wis.
Gaswell Co., acetylene gas generator, 68 Summit av., Brooklyn, N. Y.
Gatchett, A., & Son., contractors, New Philadelphia, Ohio.
Gate City Coffin Co., Atlanta, Ga.
Gate City Iron Works, steel structural work, 2814 Cuming, Omaha, Neb.
Gately & Kane, 90 West St., New York.
Gaterman Mfg. Co., W., Manitowac, Wis.
Gates & Co., G. W., 512-515 Lumbermen's Bldg., Portland, Ore.
Gates, A. & H., 112 W. Adams St., Chicago.
Gates-Burns Paper Products Corp., 3714 S. Park av., Los Angeles, Calif.
Gates, Church E. & Co., E. R. & 152nd St., New York.
Gates Fdry. Co., machsts. & fndrs., Wilkes-Barre, Pa.
Gates Handle Co., Beaumont, Tex.
Gates, J. J., common brick, Ashland, Ky.
Gates Lumber Co., Wilmar, Ark.
Gates Mfg. Co., auto. tops, 835 N. Meridian, Indianapolis, Ind.
Gates Marble & Tile Co., F. E., 21st & Adams Sts., Indianapolis, Ind.
Gates, N. S., & Son, cornices, Findlay, Ohio.
Gates-Nichols Hardware Co., Elgin & Brady Sts., Tulsa, Okla.
Gates Rubber Co., 999 S. Broadway, Denver, Colo.
Gateways, Inc., paints, 26th & Virginia av., Newport News, Va.
Gattis Chem. Co., chemists, 214 Woodland, Nashville, Tenn.
Gaty Const. Co., 3720 N. High, Columbus, Ohio.
Gaudalupe Valley Cotton Mills, sheeting, Cuero, Tex.
Gaufin Textile Co., 107-109 So. 2nd St., Philadelphia, Pa.
Gauger & Co., Jno. A., 1444 W. 22nd St., Chicago.
Gauger & Johnson Mfg. Co., Milwaukee, Wis.
Gaul, Derr & Shearer Co., 217 Broad St., N., Philadelphia, Pa.
Gaul Lithographic Co., 440 Pearl, New York.
Gaumer, E. B., & Sons, carriages, Urbana, Ohio.
Gaumont News & Graphic Co., moving picture films, Congress av., Brooklyn, N. Y.
Gauntlett, J. M., & Co., machsts., 1235 Westlake av. N., Seattle, Wash.
Gaus & Sons Mfg. Co., Henry, Main & Clinton Sts., St. Louis, Mo.
Gautier & Co., D. G. (Iron & Steel) 50 Church St. New York.
Gautier & Co., J. H., 1 Greene St., Jersey City, N. J.
Gavin & Doris, contractors, 273 Grand, Jersey City, N. J.
Gavin Hardware Co., Leominster, Mass.
Gavin, Jos., mattresses, 1133 S. 8th, Philadelphia, Pa.
Gavin Mirror & Art Glass Wks., 554 E. Water St., Milwaukee, Wis.
Gavin, Stephen J., Lbr. Co., 6500 Easton av., St. Louis, Mo.

GAW-O'HARA ENVELOPE CO., 500 N. Sacramento Blvd., Chicago.
Pres. & Gen. Mgr.—Geo. D. Gaw.
V. P.—Thomas F. O'Hara.
Secy. & Treas.—Rock P. Moran.
Representatives:
ILL.—Peoria—J. L. Thomas, 704 Peoria Life Bldg.
Rockford—D. Hal Smith, 614 Gregory St.
IA.—Davenport—F. M. Sargent, 207 W. 4th St.
Des Moines—H. E. Russell, 609 Boston Ave.
MINN.—Duluth—M. E. Adameak, 414 Torrey Bldg.
O.—Cleveland—Geo. E. Roberts, 331 The Arcade, Cherry 2192.

Gawthrop, Allen, Jr., hydraulic rams, 705 Orange, Wilmington, Del.
Gawthrop, Jos. B., fertilizer mfr., Kennett Square, Pa.
Gay, David S., tow, Winchester, Ky.
Gay, Geo. E., Augusta, Me.
Gay, J. E., & Co., carriages, Easthampton, N. Y.
Gay Oil Co., Little Rock, Ark.
Gaydoul Gold Pen Co., 64 Fulton, New York.
Gaylord & Butler Co., steam fitters' supplies, Wyoming av. & Gibson, Scranton, Pa.
Gaylord Bros., bags & bagging, Syracuse, N. Y.
Gaylord, Chas. E., mechanical draftsman, Marquette blk., Chicago, Ill.
Gaylord, Inc., Robert, 11th & Pestalozzi Sts., St. Louis, Mo.
Gaylord Mfg. Co., Gaylord, Mich.
Gaynor Glass Works, Salem, N. J.
Gaynor Mfg. Co., The, Stratford Ave., Bridgeport, Conn.
Gaynor, P. E., brass castings, Albany, N. Y.
Gayoso Lumber Company, Florida Ave. & Fay St., Memphis, Tenn.
Gayoso Oil Works, Porter blk., Memphis, Tenn.
Gazzam, H. P., Machine Co., machsts. & fndrs., 32d & Pennav., Pittsburgh, Pa.
Geaber, Jos. F., & Bro., fertilizer mfrs., Narragansett Pier, R. I.
Geake, Wm., stone producers, 510 W. Jefferson av., Ft. Wayne, Ind.
Gealy, G. M., Grove City, Pa.
Gear Grinding Machine Co., Inc., Christopher & Conant St., Detroit, Mich.
Gear, Inc., James, 155 E. 34th St., New York.
Gearhart Knitting Mach. Co., tex. machy., supplies, etc., Clearfield, Pa.
Gearhart Oil Burner Co., Fresno, Cal.
Gearhart, Wm. L., & Son, founders, McEwensville, Pa.
Gearless Automatic Pump Co., machinists, Rock Island, Ill.
Gearless Motor Corp., 115-127 Flavel St., Pittsburgh, Pa.
Geary County Lumber Co., Junction City, Kan.
Geary, L. E., naval arch., Pier 1, Seattle Wash.
Geary Milling & Elevator Co., flour, Geary, Okla.
Geary, W. J., Lbr. Co., Lexington, Ky.
Geauga Silica Sand Co., Schofield bldg., Cleveland, Ohio.
Gebauer Chemical Co., ethyl chloride, Erie Bldg., Cleveland, Ohio.
Gebhardt, A. L., & Co., leather, 306 E. Water, Milwaukee, Wis.
Gebhardt Chili Powder Co., canned goods, San Antonio, Tex.
Gebhardt, H. J., machinist, 343 S. Dearborn, Chicago, Ill.
Gebhart-Wiuchet Lbr. Co., Dayton, Ohio.
Gebert Shingle Co. (Ltd.), New Iberia, La.
GeBott Manufacturing Co., Wilmington, N. C.
Gedge Bros. Iron Roofing Co., Anderson, Ind.
Gedge-Gray Co., paint mixers, Lockland, Ohio.
Gedney, M. A., Co., canned goods, Minneapolis, Minn.
Gee, Chas. E., machsts., Lowell, Mass.
Gee Electric Co., 18 14th St., Wheeling, W. Va.
Gee, Irwin M., 2836 Scottwood, Toledo, Ohio.
Geele, F., Hardware Co., Sheboygan, Wis.
Geer, Harry R., Co., 858 McLaren av., St. Louis, Mo.
Geer Machine & Mfg. Co., dies, E. Liverpool, Ohio.
Geerin Bros. & Co., 422 E. 8th St., Cincinnati, O.
Geesenheimer & Co., chemicals, 134 Cedar, New York.
Gefes Machine Co., Hoboken, N. J.
Gefrorer & Son, C., 1017 Ridge St., Philadelphia, Pa.
Geher, Fischer & Co., cornices, 227 S. 2d, Louisville, Ky.
Gehl Bros. Mfg. Co., West Bend, Wis.
Gehl, M. C., Co., creamery machy., 3002 Meinecke av., Milwaukee, Wis.
Gehlman, F., contr., Springfield, Ill.
Gehman & Wienert, crystal detectors, 42 Walnut, Newark, N. J.
Gehnrich Indirect Heat Oven Co., Inc., Honeywell & Buckley Sts., Long Island City, N. Y.
Gehr, H. W., machsts. & fndrs., Wadena, Minn.
Gehres, Anna, stone, 2178 Main, Buffalo, N. Y.
Gehres Bros., sashes, doors & blinds, Waverly, Ohio.
Gehret Brothers, Inc., Bridgeport, Pa.
Geib & Schaefer, musical instrument cases, 1751 N. Central Park av., Chicago, Ill.
Geier Company, The, P. A., 540 E. 105th St., Cleveland, O.
Geiger & Peters, 1709 Madison Ave., Indianapolis, Ind.
Geiger, A. M., Cement Co., masons' & bldrs.' matls., Leavenworth, Kans.
Geiger Bros., advtg. spec., 17-23 Nevada, Newark, N. J.
Geiger Iron Works, asphalt plant machy., Scott av. & Union, Stockton, Cal.
Geiger Lbr. & Mill Co., sash, doors & blind mfrs., Mount Carmel, Pa.
Geigy Co., aniline colors, 89 Barclay, New York.
Geijsbeek Engineering Co., 45 4th St., Portland, Ore.
Geiras Mfg. Co., dies, jigs, tools, etc., 417 E. 156th, New York.
Geise Mann Hardware Co., Greenville, Miss.
Geisel Mfg. Co., A., 221 S. 2d St., St. Louis, Mo.
Geisler Bros., cornices, Dubuque, Iowa.
Geisman, Musliner & Brightman, Inc., leather, 28 Spruce, New York.
Geissel & Richardson, lumber, Ridge av., c Master, Philadelphia, Pa.
Geissel, A., & Sons, carriages, 485 N. 3d, Philadelphia, Pa.
Geissler Bros., furnaces, Reading, Pa.
Geissler, Chas. C., show cases, 62 N. 4th, Philadelphia, Pa.
Geissler, Inc., R., 56 West 8th St., New York.
Geiseman & Co., Inc., Theodore, 624 S. Michigan Ave., Chicago.

Geist Mfg. Co., 2001 Atlantic Ave., Atlantic City, N. J.
Gelb, J., & Co., second hand machy. dlrs., 203 Centre, New York.
Gellen & Co., paints, 120 Liberty, New York.
Gelinas Engineering Co., Inc., 529 Courtlandt Ave., New York.
Gellatly & Co., Oliver Bldg., Pittsburgh, Pa.
Geller, Ward & Hasner Hdw. Co., 414 N. 4th St., St. Louis, Mo.
Gelser & Son, L. S., Fillmore, N. Y.
Gelser, L. S. & Son, concrete pipe, Fillmore, N. Y.
Gem Auto Truck Co., The, Troy, N. Y.

GEM CITY BOILER CO., THE, Dept. M., Dayton, O.
Secy. & Treas.—W. H. Durkin.
Pres.—T. E. Tucker.
V. P.—A. H. Kemper.

Gem City Elevator Works, 612-14 Washington St., Dayton, O.
Gem City Pattern Wks., Dayton, Ohio.
Gem City Press Brick Co., Quincy, Ill.
Gem City Stove Co., Linden Ave., Dayton, O.
Gem City Stove Mfg. Co., Quincy, Ill.
Gem City Trunk Mfg. Co., Quincy, Ill.
Gem Ear Phone Co., 47 W. 34th St., New York.
Gem Fountain Pen Corp., 59 Park Pl., New York.
Gem Hammock & Fly Net Co., 330 Florida St., Milwaukee, Wis.
Gem Mfg. Co., children's outdoor swings, etc., N. Girard, Pa.

GEM MANUFACTURING CO., Gobel Nr. Fulton, N. S., Pittsburgh, Pa.
Distributors & Representatives:
ALA.—Anniston—Anniston Hdwe. Co.
Bessemer—Long-Lewis Hdwe. Co.
Birmingham—Crane Co.
Fairbanks Co.
Moore-Handley Hdwe. Co.
Young & Vann Supply Co.
Mobile—Turner Supply Co.
Selma—Thomas Machine & Supply Co.
Tissier Hdwe. Co.
ARK.—Little Rock—Central Supply Co.
Hollis & Co.
CALIF.—Los Angeles—Harper & Reynolds Co.
Sacramento—Thomson-Diggs Co.
San Francisco—Baker, Hamilton & Pacific Co., 700-7th St., Park 9000.
Dunham, Carrigan & Hayden Co., Kansas & Division, Park 9500.
General Machinery & Supply Co., 39 Stevenson, Sutter 6750.
C. W. Marwedel, 76-1st St., Douglas 4180.
COLO.—Denver—City Auto Supply Co.
Hawley Hdwe. Co.
Hendrie & Bolthoff Mfg. & Supply Co.
Lindquist Hardware Co.
Mine & Smelter Supply Co.
CONN.—Danielson—General Supply Co.
Hartford—Fairbanks Co.
Tracy, Robinson & Williams.
New Britian—Abbe Hardware Co.
New Haven—N. T. Bushnell Co.
C. S. Mersick & Co.
Page, Steele & Flagg Co.
Waterbury—Chas. A. Templeton, Inc.
DEL.—Wilmington—Alfred S. Peoples.
FLA.—Jacksonville—J. G. Christopher Co.
Georgia Supply Co.
Savannah Supply Co.
Mulberry—Mine & Mill Supply Co.
GA.—Brunswick—United Supply Co.
Macon—Taylor Iron Works & Supply Co.
Savannah—Georgia Supply Co.
IDAHO—Wallace—Coeur d'Alene Hdwe. & Fdry. Co.
ILL.—Chicago—Advance Packing & Supply Co., 64 E. Lake St., State 8020.
H. Channon Co., 149 N. Market St., Franklin 0380.
Cobb, Whyte & Laemmer Co., 309 W. Madison, Main 0650.
Crerar-Adams & Co., 3550 S. Morgan, Boulevard 8606.
Electric Service Supplies Co., 53 W. Jackson, Harrison 0995.
Factory Supply Co., 40 E. Kinzie St., State 8006.
Fairbanks Co., 701 W. Washington, Haymarket 8340.
Great Lakes Supply Co., 3217 E. 92nd St., South Chicago 7680.
Samuel Harris & Co., 114 N. Clinton St., Main 2467.
Machinists Supply Co., 19 N. Jefferson St., Main 0554.
Danville—Thomas Conron Hdwe. Co.
Jacksonville—Grady Bros. Hdwe. Co.
Peoria—Isaac Walker Hdwe. Co.
Quincy—Best Plumbing & Heating Sup. Co., E. Tenk Hardware Co.
Robinson—Bradford Supply Co.
Rockford—Barber Coleman Co.
Swords Bros. Co.
South Chicago—Great Lakes Supply Co.
Streator—Williams Hdwe. Co.
IND.—Fort Wayne—Ft. Wayne Oil & Supply Co.
Indianapolis—E. C. Atkins Co.
Van Camp Hdwe. & Iron Co.
Marion—Marion Machine Foundry & Supply Co.
Michigan City—Weil-McLain Co.
South Bend—Manufacturers Tool & Supply Co.
South Bend Supply Co.
Terre Haute—Power Supply Co.
IA.—Des Moines—Globe Machinery & Sup. Co.
KAN.—Pittsburg—General Machy. & Supply Co.
Marshall Supply Co.
KY.—Hopkinsville—John T. Metcalfe Mill Supply Co.
Lexington—Lexington Mine & Mill Supply Co.
Louisville—Belknap Hdwe. & Mfg. Co.
Laib Co.
Middleboro—Kentucky Mine Supply Co.
LA.—New Orleans—Fairbanks Co.
Standard Supply & Hdwe. Co.
Shreveport—Fairbanks Co.
ME.—Lewiston—Carman-Thompson Co.
MD.—Baltimore—L. A. Benson Co., Inc.
Carey Machy. & Supply Co.
Fairbanks Co.
John C. Louis.
Henry H. Meyer Co.
Taylor Supply Co.
Cumberland—Tri-State Mine & Mill Supply Co.
MASS.—Boston—G. R. Armstrong Mnfrs. Supplies, 130 High, Congress 2700.
Chandler & Farquhar Co., 86 Federal, Main 7670.
Chase, Parker & Co., 81 Pearl, Main 6073.
A. W. Chesterton Co., 64 Ind. Main 5877.
Cutter & Wood Supply Co., 274 Friend, Haymarket 5204.
Eagle Oil & Supply Co., 45 India, Main 0172.
Fairbanks Co., 374 Congress, Main 7000.
H. F. Livermore Co., 100 Cummington, Back Bay 6962.
S. Eugene Proctor Co., 158 State, Richmond 2870.
Lewis E. Tracy & Company, 127 Broad, Congress 1836.
A. J. Wilkinson & Co., 184 Washington, Main 5772.
Cambridge—Alden Speare's Sons Co.
Fall River—Byron W. Anthony Co.
S. Chace Leonard.
The Covel & Osborn Co.
William F. Harticon.
Fitchburg—Fitchburg Hardware Co.
Holyoke—J. Russell & Co.
Lawrence—Treat Hdwe. Corp.
Lowell—Adams Hdwe. & Paint Co.
Bartlett & Dow Co.
Thompson Hdwe. Co.
George H. Walker.
New Bedford—S. C. Lowe Supply Co.
Slocum & Kilburn.
North Adams—Burlingame & Darbys Co.
Payne Cummings Hdwe. Co.
Northampton—J. A. Sullivan & Co.
North Chelmsford—North Chelmsford Machine & Supply Co.
Pittsfield—Berkshire Mill Supply Co.
Salem—Waters & Brown.
Springfield—Homer Foot & Co.
Chas. Millar & Son Co.
The E. S. Stacey Supply Co.
Taunton—Pierce Hardware Co.
Westfield—Bryan Hardware Co.
Worcester—Elwood Adams, Inc.
Central Supply Co.
Duncan & Goodell Co.
H. M. Walte Hdwe. Co.
MICH.—Battle Creek—J. O. Galloup Pipe & Supply Co.
Bay City—Jennison Hardware Co.
Detroit—Kenneth Anderson Co., 133 E. Atwater, Main 5498.
Boyer Campbell Co., Congress & Brush, Cadillac 3260.
Chas. A. Strelinger Co., 149 E. Larned, Cadillac 7080.
Escanaba—Delta Hardware Co.
Flint—G. W. Hubbard Hdwe. Co.
Grand Rapids—Barclay-Ayers & Bertsch.
Houghton—Portage Lake Hdwe. Co.
I. E. Swift Company.
Kalamazoo—Bond Supply Company.
Lansing—Michigan Supply Co.
Saginaw—Morley Bros.
Saginaw Hardware Co.
MINN.—Duluth—Kelly-How-Thomson Co.
Minneapolis—Chas. E. Sanford & Co.
F. E. Satterlee & Co.
St. Paul—Robinson-Gary & Sands Co.
R. B. Whitacre & Co.
MO.—Kansas City—English Tool & Supply Co., 410 W. 5th St., Main 5575.
Holt Hardware Co.
St. Louis—Continental Supply Co., Post Dispatch Bldg., Olive 5025.
Fairbanks Co., 617 N. 2nd St., Main 1634.
Geller, Ward & Hasner Hdwe. Co., 414 N. 4th St., Main 3500.
R. H. Myers Hdwe. Co., 3711 N. Broadway, Tyler 656.
Shapleigh Hardware Co., 4th & Washington, Main 5400.
NEB.—Keene—Spencer Hardware Co.
Manchester—John B. Varick Co.
N. J.—Bayonne—Bayonne Supply Co.
Camden—Elwood Antrim.
John H. Matlack & Son.
Elizabeth—Elizabeth Hardware Co.
Jersey City—Ernst A. Gibbons Co.
Stone Bros.
Whipple Hdwe. Co.
Morristown—George E. Voorhees.
Newark—Banister & Pollard Co.
Crane & Milligan.
William Dixon, Inc.
Essex Supply Co.
Fairbanks Supply Co.
Foster Bros.
Johnson-Mandeville Co.
Jones & Auerbacher Co.
Geo. J. Keller Co.
Ludlow & Squier.
Benj. Myer Co.
Rising & Thorne.
Wm. S. Roe.
Passaic—A. R. Barton & Co.
H. W. Mills & Co.
New Jersey Engr. & Supply Co.
Paterson—ohn P. Cronin.
General Mill Supply Co.
H. W. Mills & Co.
Geo. A. Myers & Co.
J. W. Walker Hdwe. Co.
Perth Amboy—Elizabeth Hdwe. Co.
Rutherford—William Black & Co.
Trenton—Standard Supply & Equipment Co.
N. Y.—Albany—Albany Hdwe. & Iron Co.
Fairbanks Co.
Scott-Voelker Hdwe. Co.
R. B. Wing & Son.
Auburn—Smith & Pearson.
Binghamton—Babcock, Hinds & Underwood, Inc.
Ellis W. Morse Co.
Brooklyn—S. W. Cornell.
Kasper & Koetzle Hdwe. Co.
Buffalo—Buffalo Wholesale Hdwe. Co., 317 Washington St., Seneca 4700.
Fairbanks Co., 798 Elmwood, Bidwell 4199.
Root-Neal & Co., 178 Main, Seneca 4710.
J. H. Ruckel & Son, 81 Main, Seneca 2373.
Weed & Co., 95 Swan, Seneca 1818.
Cohoes—Sweet & Doyle.
Cortland—Bennett Hardware Co.
Ft. Edwards—Newton & Hill.
Glens Falls—Collins, Fox Co.
Gloversville—E. L. Durkee & Co.
Herkimer—Herkimer Hardware Co.
Hudson—Jones & Hardy.
Long Island City—Long Island Hdwe. Co.
Mt. Vernon—George Howard, Inc.
New Rochelle—George Ferguson Co.
New York—Baker, Carver & Morrell, 39 Water, Broad 6474.
Bloch Hdwe. Co., 1311-3rd Ave., Rhinelander 3876.
Braufels, Browning Co., 1940 Park Ave., Harlem 4760.
A. F. Brombacher & Co., 31 Fulton St., Beekman 3230.
Coston Supply Co., 57 Front St., Bowling Green 2660.
A. P. Dienst & Co., 2604 3rd Ave., Metthaven 5430.
Dimock & Fink Co., 220 E. 125th St., Harlem 1837.
Jos. H. Drake's Sons, 77-4th Ave., Stuyvesant 0834.
J. & C. Ernst, 257 Canal St., Canal 8616.
Fairbanks Co., 416 Broome, Canal 2800.
Peter A. Frasse Co., 417 Canal, Canal 0880.
A. W. Gerstner Co., 634-8th Ave., Pennsylvania 0380.
G. W. Giannini, Inc., 437 W. 42nd St., Longacre 1293.
Benj. Gillespie Co., 728-3rd Ave., Murray Hill 1477.
Hammacher-Schlemmer Co., 133-4th Ave., Stuyvesant 7000.
Hanson & Yerke Co., 88 Warren, Barclay 1188.
Geo. C. Johns Co., Inc., 154 Nassau, Beekman 3029.
Albert C. Lehmann.
Manhattan Supply Co., 115 Franklin St., Franklin 5300.
Manning, Maxwell & Moore, Inc., 100 E. 42nd St., Vanderbilt 6120.
Masback Hdwe. Co., Inc., 82 Warren St., Barclay 8700.
Wm. J. Millard & Co., 137 Grand, Canal 5260.
Neal & Brinker Co., 78 Duane, Worth 9360.
Patterson Bros., 565-5th Ave., Vanderbilt 6591.
W. E. Pruden Hdwe. Co., 258 W. 52nd St., Circle 1931.
Reilly & Guy Co., 30 Water St., Broad 0322.
H. A. Rogers Co., 87 Walker, Franklin 3354.
Louis Steets Hdwe Co., 492-9th Ave., Lackawanna 8843.
Stroh & Wilson, 514 W. 125th St., Morningside 2270.
Topping Bros., 159 Varick, Canal 5000.
Washington Hdwe. Co., Inc., 257 Greenwich, Barclay 8012.
Geo. Wilkening, 665 E. 222nd St., Olinvil 2837.
R. W. Zundel Co., Inc., 47 Whitehall, Bowling Green 9157.
Niagara Falls—Elderfield-Hartshorn Hdwe. Co.
Port Richmond—Gregg Bros., Inc.
Poughkeepsie—Poughkeepsie Mill Supply Co.
Rochester—Sidney B. Roby Co.
Weed & Co.
Syracuse—Barnes & Irving, Inc.
Fairbanks Co.
Edward Joy Co.
Roberts Tool & Supply Co.
Syracuse Supply Co.
Utica—Fairbanks Co.
Finney & Fuller Co., Inc.
Chas. Miller & Son Co.
Roberts Hardware Co.
Smyth-Despard Co.
Watertown—W. W. Conde Hdwe. Co.
W. New Brighton—Statan Island Supply Co.
N. C.—Charlotte—Charlotte Supply Co.
Textile Mill Supply Co.
OHIO—Akron—Hardware & Supply Co.
Ashtabula—Topky Bros.
Canton—Canton Hardware Co.
Sciota Valley Supply Co.
Cincinnati—V. N. Devon Supply Co.
Evans Bros.
William T. Johnston Co.
E. A. Kinsey Co.
Pickering Hardware Co.
Queen City Supply Co.
Vulcan Supply Co.
Wirthlin-Mann Co.
J. R. Wood Supply Co.
Cleveland—W. Bingham Co.
Cleveland Tool & Supply Co.
W. M. Pattison Supply Co.
Strong, Carlisle & Hammond Co.
White Tool & Supply Co.
George Worthington Co.
Lima—Manufacturers Supply Co.
Newark—Universal Supply Co.
Piqua—Angle Hdwe. Co.
Portsmouth—J. F. Russell & Co.
Standard Supply Co.
Steubenville—Petroleum Supply Co.
Bostwick Braum Co.
National Supply Co.
Youngstown—Stambaugh Thompson Co.
OKLA.—Cleveland—Murray Tool & Supply Co.
Henryette—Colonial Supply Co.
Muskogee—Atlas Supply Co.
Oklahoma City—Mideke Supply Co.
Sapulpa—Bovaird Supply Co.
Tulsa—Frick-Reid Supply Co.
Oklahoma Tool & Supply Co.
Western Supply Co.
PA.—Allentown—F. Hersh Hdwe. Co.
C. Y. Schelly & Bros.
Wm. H. Taylor & Co.
Ardmore—Ardmore Hdwe. Co.
Edw. J. Lyons.
Bradford—Bradford Supply Co.
Bryn Mawr—Bryn Mawr Hdwe. Co.
Chester—Chester Hdwe. Co.
Galey Hdwe. Co.
Coatesville—Pownall Hdwe. Co.
Conshohocken—Kehoe Bros.
Easton—General Supply Co.
Losey & Co., Inc.
Thos. T. Miller Hdwe. Co.
Erie—H. P. Weller Supply Co.
Hazleton—Jere. Woodring Co.
Kane—Kane Supply Co.
Lancaster—Herr & Co.
Steinman Hdwe. Co.
Media—Henry C. Snowden, Jr., Inc.
New Bethlehem—Anderson Hdwe. Co.
Norristown—Benj. Quillman Hdwe. Co.
Parkers Landing—Schenck Mfg. & Supply Co.
Patton—Central Hdwe. & Supply Co.
Penn Argyl—Richard S. Carroll.
Philadelphia—W. H. & G. W. Allen, 113 Market St., Market 2501.
Chas. Bond Co., 617 Arch St., Market 3990.
R. J. Crozier & Co., 10 S. 18th St., Spruce 2450.
Cusack Hdwe. Co., 1004 Arch St., Walnut 1004.
Paul J. Devitt, 1101 S. 2nd St., Lombard 2363
Diamond Specialty & Supply Co., 15 N. 6th St., Lombard 6077.
Electric Service Supplies Co., 17th & Cambria, Diamond 6574.
Fairbanks Co. 701 Arch St., Lombard 7700.
Chas. J. Field's Sons, 633 Market St., Lombard 7776.
Fifer & Beatty, Front & Lehigh, Kensington 1676.
Hahn Bros., 1600 Germantown, Diamond 7877.
E. M. Hanson & Co., 130 N. 4th St., Market 5280.

(Continued on following page)

G

GEM MANUFACTURING CO., N. S.—Continued.
Interstate Supply Co., Commercial Tr. Bldg., Locust 2288.
Kinkerter & Sheppard Co., 4669 Frankford, Franklin 2180.
Maddock & Co., 40 N. 6th St., Lombard 8980.
Manufacturers Supplies Co., Juniper & Cherry, Locust 4250.
T. C. Matlack, 1214 Ridge, Poplar 7876.
F. A. Mitchell, 20th & Callowhill, Locust 2389.
Murta Appleton & Co., 12th & Sansom, Filbert 2389.
Powell Clouds & Co., 602 Arch St., Lombard 9168.
Schempp Bros., 2526 Kensington, Kensington 2449.
Schwemmer Hdwe. Co., 522 Girard, Market 1038.
Sees & Faber Co., 2008 N. Front St., Columbia 0530.
J. Jacob Shannon Co., 1744 Market St., Spruce 1744.
Spaulding & Metcalf, 514 Arch, Lombard 8827.
Standard Supply Equipment Co., 17th & Lehigh, Columbia 6400.
Theo. C. Ulmer, Richmond & E. Columbia, Kensington 5701.
W. P. Water's Sons.
Pittsburgh—Colonial Supply Co., 217 Water, Court 1042.
Frick & Lindsay Co., Sandusky & Robinson, Cedar 5700.
Hukill-Hunter Co., 35 Terminal Way, Hemlock 0720.
Logan-Gregg Hdwe. Co., 121 9th St., Grant 0724.
Machinists Supply Co., 327 2nd Ave., Court 1646.
Oil Well Supply Co., 215 Water St., Court 3268.
Pittsburgh Gage & Supply Co., 30th & Liberty, Grant 6600.
Pittsburgh Supply Co., 2 Ross St., Court 4649.
Republic Supply Co., 125 Water St., Court 2578.
Standard Supply & Equipment Co., 1207 Liberty Ave., Smithfield 0800.
C. A. Turner, Inc., 117 3rd ave., Court 2446.
Joseph Woodell Co., 201 Wood St., Court 1060.
Reading—Bright & Co.
Reading Foundry & Supply Co.
Scranton—Bittenbender & Co.
Fairbanks Co.
Independent Supply Co.
Chas. B. Scott Co.
Wilkes Barre—Eastern Penn'a Supply Co.
Lewis & Bennett Hdwe. Co.
Williamsport—E. Keller Co.
York—Fulton Mehring & Hauser Co.
P. A. & S. Small Co., Inc.
R. I.—Pawtucket—Wm. K. Tooled Co.
Providence—Belcher & Loomis Hdwe. Co.
F. A. Chase & Co.
John M. Farr.
M. E. Gleason Co.
Providence Hdwe. & Supply Co.
Providence Mill Supply Co.
Standard Mill Supply Co.
S. C.—Anderson—Sullivan Hdwe. Co.
Chester—Chester Hdwe. Co.
Greenville—Carolina Supply Co.
Greenville Textile Supply Co.
Norris Bros.
TENN.—Chattanooga—James Supply Co.
Mills & Lupton Supply Co.
Johnson City—Summers Hdwe. Co.
Knoxville—Tennessee Mill & Mine Supply Co.
Memphis—J. E. Dilworth Co.
Riechman-Crosby Co.
TEX.—Houston—Republic Supply Co.
Wilson Supply Co.
Wichita Falls—Bradford Supply Co.
UTAH.—Salt Lake City—Salt Lake Hdwe. Co.
VA.—Andover—Central Supply Co.
Appalachia—Central Supply Co.
Roanoke—Noland Co., Inc.
Suffolk—Brothers-Pruden Co., Ltd.
WASH.—Seattle—Cragin & Co.
W. VA.—Bluefield—Bluefield Hdwe. Co.
Bluefield Supply Co.
Superior Supply Co.
Charleston—Baldwin Supply Co.
Capitol City Supply Co.
Elkins—Baldwin Supply Co.
Fairmont—Fairmont Supply Co.
Huntington—Banks Supply Co.
Foster-Thornburg Hdwe. Co.
Miller Supply Co.
Logan—Logan Hdwe. Co.
Parkersburg—Parkersburg Supply Co.
WIS.—Appleton—Schlafer Hdwe. Co.
Green Bay—Bay Vorte Machy. Supply Co.
Milwaukee—Wm. Frankfurth Hdwe. Co.
Phillip Gross Hdwe. Co.

Foreign:
CAN.—Hamilton, Ont.—Alexander Hdwe. Co.
Montreal, Que.—Caverhill, Learmont & Co.
Williams & Wilson, Ltd.
Toronto, Ont.—Aikenhead Hdwe. Ltd.

Gem Products Co., incubators & toys, Greenville, Ohio.
Gem Radio Mfg. Co., 88 White St., New York.
Gem Safety Razor Corp., 62 Lawrence, Brooklyn, N. Y.
Gem Stamped Steel Co., metal stamping & drawings, Chelsea, Mass.
Gem Stopper Co., Inc., 2120 Nicholas St., Philadelphia, Pa.
Gem Toothpick Co., Adrian, Mich.
Gem Wire Fence Co., Pontiaac, Mich.
Gemco Mfg. Co., 742 S. Pierce St., Milwaukee, Wis.
Gemeny Co., W. J., 2528-30 W. Madison St., Chicago.
Gemmer Manufacturing Co., 741 Merrick St., Detroit, Mich.
Gemmi Bros. Co., pearl buttons, 125 N. 5th, Philadelphia, Pa.
Gemrig, J. H., & Son, surgical instruments, 109 S. 8th, Philadelphia, Pa.
Gendreau, H. L., architect, Willimansett, Mass.
Gendron Wheel Co., Toledo, O.
General Abrasive Co., Inc., Niagara Falls, N. Y.
General Accident Insurance Co., 421½ Walnut, Philadelphia, Pa.
General Acoustic Co., 220 W. 42 St., New York.
General Adding Machine Exchange, 38 N. Clark St., Chicago.
General Adhesive Mfg. Co., Inc., The, 474 Greenwich St., New York.
General Advertising Co., signs, Reading, Pa.
General Alloys Co., 118 N. Dearborn St., Chicago.
General Aluminum & Brass Mfg. Co., Boulevard & St. Aubin, Detroit, Mich.
General American Oil Co., 204 Tulama Bldg., Tulsa, Okla.
General American Tank Car Corp., 1705 Harris Trust Bldg., Chicago.
General Apparatus Co., special machy., Aspinwall, Pa.
General Appraisal Co., 408H Marion, Seattle, Wash.
General Asbestos & Rubber Co., Charleston, S. C.
General Auto Electric Co., 231 Halsey St., Newark, N. J.
General Auto Supply Co., Colorado Springs, Colo.
General Automatic Corp., radio caps, Wrigley Bldg., Chicago, Ill.
General Automatic Scale Co., 310-312 S. First St., St. Louis, Mo.
General Bakelite Co. (See The Bakelite Corp.)
General Belting Co., Maritime bldg., Seattle, Wash.
General Boilers Co., Waukegan, Ill.

GENERAL BOX COMPANY, DEPT. P., 500 N. Dearborn St., Chicago.
District Sales Offices:
ILL.—East St. Louis—General Box Company, Pioneer Box Co. Div., 11th & Converse Ave.
KY.—Louisville—General Box Company, Embry Wirebound Box Co. Div., 16th & Maple Sts.
LA.—New Orleans—General Box Company, Republic Box Co. Div., Washington Ave. & I. C. R. R.
MICH.—Detroit—General Box Company, Detroit Wirebound Box Co. Div., 4703 18th St., Walnut 0703.
MO.—Kansas City—Forrester-Nace Box Co., Eighth & Wyoming Sts., Main 5560.
N. Y.—Brooklyn—General Box Company, Inc., 151 Kent Ave.
O.—Cincinnati—General Box Company, Cincinnati Wirebound Box Co. Div., Carthage Pike & Big 4 R. R., St. Bernard.

General Briquetting Co., 25 Broad St., New York.
General Bronze Foundry Co., The, 4800 Hamilton St., Cleveland, O.
General Builders' Supply Co., Indianapolis, Ind.
General Building Supply Co., Savannah, Ga.
General Carbonic Co., Bridge, Albany, N. Y.
General Ceramics Co., 50 Church St., New York.
General Chemical Co., 25 Broad St., New York.
General Commercial Co., Ltd., of U. S., imp, materials, colors & chemicals, 90 W. Broadway, New York.
General Compressed Air & Vacuum Machinery Co., Pontiac Bldg., St. Louis, Mo.
General Concrete Construction Co., 431 S. Dearborn St., Chicago.
General Construction Co., Fort Worth, Tex.
General Construction Co., Gary Ind.
General Contracting & Engineering Co., 417 E. 37th St., New York.
General Contracting Co., Laconia, N. H.
General Contracting Co., Plymouth bldg., Minneapolis, Minn.
General Contracting Co., 226 W. Richmond, Baltimore, Md.
General Contracting Corp., Columbia Bk. bldg., Pittsburgh, Pa.
General Conveyor & Mfg. Co., Broadway & Miami St., St. Louis, Mo.
General Cooperage & Timber Co., Whitney Central bldg., New Orleans, La.
General Crushed Stone Co., Easton, Pa.
General Devices & Fittings Co., cable supporting clamps, 441 S. Desplaines, Chicago, Ill.
General Drop Forge Co., 1738-1756 Elmwood Ave., Buffalo, N. Y.
General Eclipse Co., Danielson, Conn.

GENERAL ELECTRIC CO., Schenectady, N. Y.
Sales Offices:
ALA.—Birmingham—Brown Marx Bldg.
ARIZ.—Phoenix—Heard Bldg.
ARK.—Little Rock—Southern Trust Bldg.
CALIF.—Los Angeles—724 S. Spring St., Main 5657.
Oakland.
San Francisco—116 New Montgomery St., Sutter 3535.
COLO.—Denver—U. S. Natl. Bank Bldg.
CONN.—Hartford—Hartford Natl. Bank Bldg.
New Haven—2nd Natl. Bank Bldg.
Waterbury.
D. C.—Washington—Com'l Natl. Bank Bldg.
FLA.—Jacksonville.
Tampa.
GA.—Atlanta.
Savannah.
ILL.—Chicago.
IND.—Evansville.
Fort Wayne—1700 Broadway.
Indianapolis—Trac. Terminal Bldg.
South Bend.
Terre Haute.
IA.—Davenport.
Des Moines—Hippee Bldg.
KY.—Louisville—Starke Bldg.
LA.—New Orleans—Maison Blanche Bldg.
MD.—Baltimore—Lexington Bldg.
MASS.—Boston—84 State St., Congress 5000.
Springfield—3rd Natl. Bank Bldg.
Worcester—340 Main St.
MICH.—Detroit—Dime Bank Bldg., Cherry 3315.
Grand Rapids—413 Commercial Savings Bank Bldg.
Jackson—Central States Bank Bldg.
MINN.—Duluth.
Minneapolis—410 3rd Ave.
St. Paul.
MO.—Kansas City—Dwight Bldg.
St. Louis—112 N. 4th St.
MONT.—Butte.
NEB.—Omaha.
N. J.—Newark.
Paterson.
Trenton—Broad St. Natl. Bank Bldg.
N. Y.—Albany.
Buffalo—Electric Bldg.
Elmira—Hulett Bldg.
New York—Equitable Bldg., Rector 7600.
Niagara Falls—Gluck Bldg.
Rochester—Granite Bldg.
Syracuse—Onondaga Co. Savings Bank Bldg.
Utica.
N. C.—Charlotte—Commercial Natl. Bank Bldg.
O.—Akron—2nd Natl. Bank Bldg.
Canton.
Cincinnati—Provident Bank Bldg., Canal 4006.
Cleveland—Illuminating Bldg., Main 6690.
Columbus—Hartman Bldg.
Dayton—Dayton Savings & Trust Bldg.
Toledo—Spitzer Bldg.
Youngstown—Stambaugh Bldg.
OKLA.—Oklahoma City.
Tulsa.
ORE.—Portland—Electric Bldg.
PA.—Erie—Commerce Bldg.
Philadelphia—Witherspoon Bldg., Walnut 5000
Pittsburgh.
R. I.—Providence—Turks Head Bldg.
S. C.—Columbia.
Greenville.
TENN.—Chattanooga—James Bldg.
Knoxville—Burwell Bldg.
Memphis—Exchange Bldg.
Nashville—Stahlman Bldg.
TEX.—Dallas.
El Paso—206-8 San Francisco St.
Houston—3rd & Washington Sts.
San Antonio.
UTAH—Salt Lake City—Newhouse Bldg.
VA.—Norfolk.
Richmond—Va. Ry. & Power Bldg.
WASH.—Seattle—811 1st Ave.
Spokane—Pauisen Bldg.
Tacoma—1009.
W. VA.—Bluefield—Law & Commerce Bldg.
Charleston—Charleston Natl. Bank Bldg.
WIS.—Milwaukee—217 Sycamore St.

Foreign Offices and Representatives:
ARGENTINA—Buenos Aires, S. A.
AUSTRALIA—Sydney—Australian Gen. Elec. Co.
New So. Wales—Australian Gen. Elec. Co.
Melbourne—Victoria-Australian Gen. Elec. Co.
AUSTRIA—Vienna—Electrische-Guhlammenfabrik, "Watt" A. G. Vienna; Joh. Kremenezky Fabrik Fur Electrische Gluhlampen.
BELGIUM—Brussels, S. E. M.
BRAZIL—Rio de Janeiro.
Sao Paulo.
CANADA—Vancouver, B. C.—Canadian Gen. Elec. Co.
Peterborough, Ont.—Canadian Gen. Elec. Co.
Toronto, Ont.—Canadian Gen. Elec. Co.
Montreal, Que.—Canadian Gen. Elec. Co.
CHILE—Antofagasta—International Machinery Co.
Iquique—Nitrate Agencies, Ltd.
Santiago—International Machinery Co.
Valparaiso—International Machinery Co.
CHINA—Shanghai.
Anderson Meyer & Co., Ltd.
China Gen. Edison Co., Inc.
International Gen. Elec. Co.
COLUMBIA—Bogota—Wesselhoeft & Poor.
Barranquilla—Wesselhoeft & Poor.
Bucaramanga—Wesselhoeft & Poor.
Medellin—Wesselhoeft & Poor.
CUBA—Havana—Gen. Elec. Co. of Cuba.
Santiago—Gen. Elec. Co. of Cuba.
ECUADOR—Guayaquill—Carlos Cordovez.
Quito—Carlos Cordovez.
EGYPT—Cairo—British Thomas-Houston Co., Egyptian Branch.
ENGLAND—Coventry—British Thomas-Houston Co.
London—British Thomas-Houston Co.
International Gen. Elec. Co.
Rugby—British Thomas-Houston Co.
FRANCE—Paris—Compagnie Des Lampes.
Compagnie Francaise Thomas-Houston Co., Ltd.
International Gen. Elec. Co.
GREECE—Athens—Compagnie, Hellenique d'Electricite.
HOLLAND—Amsterdam—Mynssen & Co.
HUNGARY—Ujpest near Budapest—United Incandescent Lamps & Elecl. Co.
INDIA—Bombay—International Gen. Elec. Co., Inc.
Calcutta—International Gen. Elec. Co., Inc.
ITALY—Milan—Compania Gen. di Electricita.
Societa Edison per la Fabricazione Delle Lampade.
JAPAN—Kenagawa-Ken.—Tokyo Electric Co.
Kawasaki—Tokyo Electric Co.
Kobe—International Gen. Elec. Co., Inc.
Tokyo—Shibaura Engrg. Works.
JAVA—Scerabaia—International Gen. Elec. Co.
MANCHURIA—Harbian—Russian Gen. Elec. Co.
MEXICO—Mexico City—Mexican Gen. Elec. Co.
Monterey—Mexican Gen. Elec. Co.
Guadalajara—Mexican Gen. Elec. Co.
NEW ZEALAND—Auckland—National Elecl. & Engrg. Co., Ltd.
Christ Church—Natl. Elecl. & Engrg. Co., Ltd.
Dunedin—Natl. Elecl. & Engrg. Co., Ltd.
PERU—Lima—W. R. Grave & Co.
PHILIPPINE ISLANDS—Manila—Pacific Commercial Co.
POLAND—Warsaw—Marcel Szenjnman.
PORTO RICO—San Juan—International Gen. Elec. Co.
PORTUGAL—Lisbon—Sociedade Iberica de Construcoes Electricas, Lda.
RUSSIA—Siberia—Wseobshtchaia Electricheskaia Kompania.
Vladivostok—Wseobshtchaia Electricheskaia Kompania.
SIAM—Bangkok—Siam Electricity Co.
SOUTH AFRICA—Johannesburg,—South Africa Gen. Elec. Co., Ltd.
Transvaal—South Africa Gen. Elec. Co., Ltd.
SPAIN—Barcelona—Sociedade Iberica de Construcciones Electricas.
Bilboa—Sociedade Iberica de Construcciones Electricas.
Madrid—Sociedade Iberica de Construcciones Electricas.
Valladolid—Sociedade Iberica de Construcciones Electricas.
TASMANIA—Hobart-Launceston—Oliver & Oliver Pty. Ltd.
URUGUAY—Montevideo—Gen. Elec. S. A.
VENEZUELA—Caracas—Wesselhoeft & Poor.

Distributors:
ALA.—Birmingham—Matthews Elec. Sup. Co.
CALIF.—Los Angeles—Pacific States Electric Co., 236 S. Los Angeles, Trinity 8621.
Oakland—Pacific States Electric Co.
San Francisco—Pacific States Electric Co., 575 Mission St.
COLO.—Denver—The Hendrie & Bolthoff Mfg. Co., 1639 17th St.
CONN.—Hartford—Southern New England Elec. Co.
New Haven—Southern New England Elec. Co.
Waterbury—Southern New England Electric Co., 31 W. Main St.
D. C.—Washington—National Elecl. Sup. Co., 1320 N. Y. Ave.
FLA.—Jacksonville—Florida Elec. Sup. Co.
Tampa—Florida Elec. Sup. Co.
GA.—Atlanta—Carter Electric Co.
Savannah—Carter Electric Co.
ILL.—Chicago—Central Electric Co., 320 S. Wells St., Wabash 2160.
Commonwealth Edison Co., 72 W. Adams St., Randolph 1280.
IND.—Evansville—Crescent City Elec. Co.
Indianapolis—Indianapolis Elec. Sup. Co., 122 S. Meridian St.
South Bend—South Bend Elec. Co.
IA.—Des Moines—Mid-West Elec. Co.
KY.—Louisville—Belknap Hdwe. & Mfg. Co., Inc.
LA.—New Orleans—Wesco Sup. Co.
MD.—Baltimore—Southern Elec. Co.
MASS.—Boston—Pettingell-Andrews Co., 511 Atlantic Ave., Congress 4290.

(Continued on following page)

GENERAL ELECTRIC CO.—Continued.
MICH.—Detroit—Frank C. Teal Co., 425 Bates St., Main 3425.
A. T. Knowison Co.
Grand Rapids—C. J. Litscher Elec. Co., 413 Commercial Savings Bank Bldg.
MINN.—Duluth—Northwestern Elec. Equip. Co., 202 W. Michigan Ave.
Minneapolis—Peerless Elecl. Co., 227 S. 5th St.
St. Paul—Northwestern Elec. Equip. Co., 174 E. 6th St.
MO.—Kansas City—The B-R Electric Co., 1432 Walnut St., Harrison 7450.
St. Louis—Wesco Supply Co., 7th & Clark Sts., Main 3230.
MONT.—Butte—Butte Elec. Sup. Co.
NEB.—Omaha—Mid-West Elec. Co.
N. J.—Newark—Tri-City Elec. Co., Inc.
Paterson—Tri-City Elec. Co., Inc.
N. Y.—Albany—Havens Elec. Co., Inc.
Buffalo—Robertson-Cataract Elec. Co., 151 W. Mohawk St.
Jamaica—Royal Eastern Elecl. Sup. Co., 264 Fulton St.
Long Island City—Royal Eastern Elecl. Sup. Co., 382 Jackson Ave.
New York—E. B. Latham & Co., 550 Pearl St.
Royal Eastern Elecl. Sup. Co., 114 W. 27th St., Watkins 0112.
Sibley-Pitman Elec. Corp., 190 6th Ave.
Rochester—Robertson-Cataract Elec. Co.
Wheeler-Green Elecl. Sup. Co., 29 St. Paul St.
Syracuse—Robertson-Cataract Elec. Co.
Utica—Robertson-Cataract Elec. Co.
N. C.—Charlotte—Elec. Supply & Equip. Co.
O.—Akron—Republic Elec. Co.
Cincinnati—The Post-Glover Elec. Co.
Cleveland—Republic Electric Co., 1820 E. 18th St., Prospect 2900.
Columbus—The Erner & Hopkins Co., 146 N. 3rd St.
Dayton—Wm. Hall Electric Co., 115 E. 3rd St.
Toledo—W. G. Nagel Elec. Co., 517 Hamilton St.
OKLA.—Oklahoma City—Southwest G. E. Co.
Tulsa—Southwest G. E. Co.
ORE.—Portland—Pacific States Elec. Co., 5th & Davis Sts.
PA.—Philadelphia—Philadelphia Elec. Co., 10th & Chestnut Sts., Walnut 5000.
Frank H. Stewart Electric Co., 37 N. 7th St., Market 1874.
Pittsburgh—Union Electric Co.
S. C.—Columbia—Perry-Mann Elec. Co., Inc.
TENN.—Chattanooga—James Supply Co., 1104 Market St.
Memphis—Wesco Supply Co.
TEX.—Dallas—Southwest G-E Co.
El Paso—Southwest G-E Co.
Houston—Southwest G-E Co.
San Antonio—Southwest G. E. Co.
UTAH—Salt Lake City—Capital Elec. Co.
VA.—Norfolk—Southern Elec. Co.
Richmond—Southern Elec. Co.
WASH.—Seattle—Pacific States Elec. Co., 570 1st St.
Spokane—Pacific States Electric Co.
W. VA.—Charleston—Virginia Electric, Inc.

Distributor for General Electric Company outside of the United tates States:
International General Electric Co., Inc., 120 Broadway, New York.

General Elevator Co., 1159 Howard, San Francisco, Calif.
General Engineering & Dry Dock Co., Inc., Alameda & 1013 Battery, San Francisco, Cal.
General Engineering & Mfg. Co., spec. machy., 1519 S. 10th, St. Louis, Mo.
General Engng. Co., see General Engng. & Dry Dock Co., Inc. (successor).
General Engng. Co., machsts., 717 S. Front, Philadelphia, Pa.
General Engineering Works, 340 W. Huron St., Chicago.
General Equipment Co., Inc., The, 342 Madison Ave., New York.
General Equipment Co., mill supplies & fire extinguishers, 25 Minn., San Francisco, Cal.
General Equipt. Co., R. R. equipt., 342 Madison av., New York.
General Erecting Co., steel struct. wk., 105H Mary, Syracuse, N. Y.
General Etching & Mfg. Co., advtg. spec., 312-14-16 S. Hamilton av., Chicago, Ill.
General Explosives Co., The, 7 S. Dearborn St., Chicago.
General Export & Commission Co., crude rubber, 119 Produce Exchange, New York.
General Fibre Box Co., 113 Lyman St., Springfield, Mass.
General Filtration Co., Inc., East Rochester St., Rochester, N. Y.
General Fire Extinguisher Co., see Grinnell Co. (successors), Providence, R. I.

GENERAL FIREPROOFING CO., THE, 2308 Logan Ave., Youngstown, O.
Chairman of the Board—M. I. Arms.
Pres.—W. H. Foster.
V. P. & Gen. Mgr.—S. S. French.
Sec. & Treas.—R. M. Bell.
Fireproofing Sales Mgr.—W. B. Turner.
Furniture Sales Mgr.—J. S. Sprott.
Boston, Mass.—125 Federal St., L. G. H. Palmer, Mgr.
Chicago—10 N. Clark St., A. C. Tobin, Mgr.
Cleveland, O.—1227 Prospect Ave., A. A. Walker, Mgr.
Minneapolis, Minn.—446 Bldrs. Exchange, W. P. Nelson.
New York—438 Broadway, R. W. Muckley, Mgr.
Philadelphia, Pa.—1503 Packard Bldg., R. E. Wilcox.
St. Louis, Mo.—513 Arcade Bldg., W. M. Copeland, Mgr.
San Francisco, Calif.—20 Beale St., H. W. Jennings, Mgr.

General Forwarding Co., Inc., 608 S. Dearborn St., Chicago.
General Gas Appliance Co., 103 Parke Ave., New York.
General Gas Electric Co., elec. lgt. plants, Hanover, Pa.
General Gas Light Co., Kalamazoo, Mich.
General Gas Mantle Co., Camden, N. J.
General Glass Mfg. Co., signs, 355 Union Park ct., Chicago, Ill.
General Grinding Wheel Corp., Clementine, Thompson & Mercer Sts., Philadelphia, Pa.
General Hardware Co., whol., 46 Lispenard, New York.
General Heating Co., 480 Hawthorne av., Portland, Ore.
General Heating Supply Co., Reliance Bldg., Kansas City, Mo.
General Incandescent Lamp Wks. of G. E. Co., 214 Electric bldg., Cleveland, Ohio.
General Insulate Co., 1008 Atlantic Ave., Brooklyn, N. Y.
General Insulating & Mfg. Co., Central National Bank, St. Louis, Mo.
General Iron Works Co., architectural iron, Front & Harriet, Cincinnati, Ohio.
General Iron Works, See Potthoff Constr. Co. (successors).
General Kopolite Co., 327 Borden Ave., Long Island City, N. Y.
General Laboratories, Madison, Wis.
General Lead Batteries Co., 8 Lister Ave., Newark, N. J.
General Leather Co., 414 Frelinghuysen, Newark, N. J.
General Lighting & Supply Co., 821 N 6th St., St. Louis, Mo.
General Lighting Fixture Co., 28 W. Lake, Chicago, Ill.
General Mach. & Mfg. Co., dies, jigs, models, etc., 544 Irnston av., Bridgeport,, Conn.
General Mach. Co., 359 E. 155th, New York.
General Mach. Co., 3440 Summit av., Toledo, Ohio.
General Machine Tool Co., The, Jackson, Mich.
General Machine Works, York, Pa.
General Machinery & Supply Co., 39 Stevenson, San Francisco, Calif.
General Machy. & Supply Co., mill & facty. supplies, Pittsburg, Kan.
General Machy. & Supply Co., mill supplies, 136 Liberty, New York.
General Machinery Co., 227 Eddy St., Providence, R. I.
General Machy. Co., machy. dlrs., mill & fcty. supplies, 13 Post, Spokane, Wash.
General Magnesite & Magnesia Co., Dept. H, Venango Balfour & Kingston, Philadelphia, Pa.
General Malleable Co., (Now Warren Tool & Forge Co.), Warren, O.
General Manifold & Printing Co., Franklin, Pa.
General Manufacturing Co., 6430 Farnsworth Ave., Detroit, Mich.
General Mfg. Co., leather belting & fire extinguishers, 104 Pine, St. Louis, Mo.
General Mfg. Co., screw mach. prod., 66 N. Elm, Waterbury, Conn.
General Mfg. Co., Snyder Ave., & Swanson St., Philadelphia, Pa.
General Metal Products Co., 2400 S. Jefferson St., St. Louis, Mo.
General Metals Co., 895 Greenwood Ave., Detroit, Mich.
General Mineral Co., Inc., 96 Spring St., New York.
General Motor Supply Co., Harrisburg, Pa.
General Motors Corp., machsts. & fndrs., Flint, Mich.
General Motors Corp., 3044 W. Grand Blvd., Detroit, Mich.
General Motors Truck Co., Div. of General Motors Corp., Pontiac, Mich.
General Naval Stores Co., 90 West St., New York.
General Oil Wks. Co., lubrg., 614 Trac. Germ., Indianapolis, Ind.
General Ordnance Co., aeroplane guns & rifles, machsts. & fndrs., Derby, Conn.
General Ordnance Co., The, 2 W. 43rd St., New York.
General Package Co., box hinging machs., 53 Park pl., New York.
General Package Mfg. Co., pails, Aberdeen, Wash.
General Paper Goods Co., 253 36th St., Brooklyn, N. Y
General Paper Stock Co., 6th and O'Fallon Sts., St. Louis, Mo.
General Pattern & Model Co., 215 Centre, New York.

GENERAL PENCIL CO., 73 Fleet St., Jersey City, N. J.

General Petroleum Co., Higgins bldg., Los Angeles, Calif.
General Phonograph Corp., 25 W. 45th St., New York.
General Phonograph Mfg. Co., auto horns, etc., Elyria, O.
General Platers' Supply Co., Inc., Brooklyn, N. Y.
General Porcelain Co., Parkersburg, W. Va.
General Porcelain Enameling & Mfg. Co., signs, 4554 W. Congress, Chicago, Ill.
General Pressed Metal Co., 1524 N. Hancock St., Philadelphia, Pa.
General Radio Co., Cambridge, Mass.
General Railway Signal Co., Ltd., Lachine, Que., Can.
General Railway Signal Co., Lincoln Park, Rochester, N. Y.
General Refining Co., 705 Kennedy Bldg., Tulsa, Okla.
General Refractories Co., 117 S. 16th St., Philadelphia, Pa.
General Repair Mach. Shop, Hamilton, Ohio.
General Rim Co., St. Mary's, Pa.
General Rubber & Supply Co., mill supplies, 41 1st, Portland, Ore.
General Rubber Co., 1790 Broadway, New York.
General Rubber Supply Co., 36 W. Seneca St., Buffalo, N. Y.
General Sheet Metal Works, ventilators, etc., Bridgeport, Conn.
General Shoe Machinery Co., 251 A St., Boston, Mass.
General Sign Co., 312 E. 12th, Los Angeles, Calif.
General Slate Co., 148 State St., Boston, Mass.

GENERAL SPECIALTY CO., THE, 68 Carroll St., Buffalo, N. Y.
Mgr.—H. E. Gansworth.

General Steel Co. (Jobbers & Mill Agents), 108 S. La-Salle St., Chicago.
General Steel Co., 215 Sycamore St., Milwaukee, Wis.
General Steel Corp., 1053 Howard, San Francisco, Calif.
General Storage Battery Co., 2005 Locust, St. Louis, Mo.
General Supply & Construction Co., York, Pa.
General Supply & Machy. Co., Meridian, Miss.
General Supply Co., masons' & bldrs.' & mill & factory supplies, Easton, Pa.
General Supply Co., mill & facty. supplies, Danielson, Conn.
General Supply Co., plumbers' supplies—jobbers, Atlanta, Ga.
General Testing Laboratory, 1112 Grand Ave., Kansas City, Mo.
General Tire & Rubber Co., 170-8 E. Market, Akron, O.
General Tool Co., 59 Terrace St., Buffalo, N. Y.
General Trading & Export Co., Inc., iron & steel, Whitney Central bldg., New Orleans, La.
General Typewriter Exchange, Inc., 30 Main St., Brooklyn, N. Y.
General Utility Products Co., 407 Brannan av., San Francisco, Calif.
General Vehicle Co., Long Island City, N. Y.
General Ventilating & Mfg. Co., 6008 S. State St., Chicago.
General Water Heater Corp., 1610 Hooper av., Los Angeles, Cal.
General Welding & Equipment Co., 74 Brookline Ave., Boston, Mass.
General Welding & Mfg. Co., fdry. ladles & ladle carrying shanks, 347 Florida, Milwaukee, Wis.
General Welding Products, Inc., 5027 McKissock Ave., St. Louis, Mo.
General Wireless Corp., 25 W. 45th, New York.
General Woodwork Co., auto & carriage, 1225 Budd, Cincinnati, Ohio.
General Wrecking Lumber Co., Archer & Ashland avs., Chicago, Ill.
Generator Valve Co., carburetors, 47 Dinsmore pl., Brooklyn, N. Y.
Genesee Chemical Co., perchloric acid, Batavia, N. Y.
Genesee Cooperage Co., Elba, N. Y.
Genesee Iron Wks., machsts. & fndrs., Flint, Mich.
Genesee Lime Co., Honeoye Falls, N. Y.
Genesee Lime Co., Lima, N. Y.
Genesee Mfg. Co., slip covers, Dept. H, Flint, Mich.
Genesee Mfg. Company, 141 N. Water St., Rochester, N. Y.
Genesee Metals Co., Rochester, N. Y.
Genesee Optical Co., Rochester, N. Y.
Genesee Tack Co., 57 Mt. Hope Ave., Rochester, N. Y.
Genesee Valley Mfg. Co., Mt. Morris, N. Y.
Geneseo Canning Co., Geneseo, N. Y.
Geneva Boiler Works, Geneva, N. Y.
Geneva Canning Co., Geneva, Ohio.
Geneva Cutlery Co., Geneva, N. Y.
Geneva Fdry. & Mach. Co., Geneva, Ill.
Geneva Heater Co., instantaneous water heaters, Geneva, Ill.
Geneva Mfg. Co., woodenware mfrs., Geneva, Ill.

GENEVA METAL WHEEL CO., THE, 171 Railroad St., Geneva, O.
Treas. & Sales Mgr.—A. M. Ford.

Geneva Mill Co., Geneva, Ala.
Geneva Preserving Co., canned goods, Geneva, N. Y.
Geneva Tractor Co., Geneva, Ohio.
Geneva Wagon Co., Geneva, N. Y.
Gennert, G., cameras, moving picture machs., 24 E. 13th, New York.
Gennett Lumber Co., Franklin, N. C.
Genseke, Merman, soap, Streator, Ill.
Gensel & Co., Fred, 911 Vine St., Philadelphia, Pa.
Gensman Bros. & Co., wholesale hardware, Enid, Okla.
Gent Vending Machine Co., Wm., 840 E. 93rd Cleveland, O.
Gentz, A. G., canned goods, Lineboro, Md.
Genuine Bangor Slate Co., Drake Bldg., Easton, Pa.
Genuine Washington Slate Co., Slatington, Pa.
Genung, C. W., agricultural implements, machinist, Madison, Ohio.
Geographical Publishing Co., 621 Plymouth Ct., Chicago.
Geometric Stamping Co., 221 E. 131st, Cleveland, Ohio.
Geometric Tool Co., Blake & Valley Sts., New Haven, Conn.
George & Barker Salmon Packing Co., Point Roberts, Wash.
George & Sherrard Paper Co., Wellsburg, W. Va.
George, A. H. Co., fertz. mfrs., Meridian, Miss.
George Bros. & Co., faucets, Dept. H, Winchester, Ky.
George Bros., Griffith Co., rubber stamps, Lincoln, Neb.
George Bros., machinists, Glass Valley, Calif.
George, Claude, Co., machy. dlrs., Omak, Wash.
George Co., Inc., A. F., 200-202 N. Los Angeles St., Los Angeles, Cal.
George Co., S., Wellsburg, W. Va.
George, E. J., flour, Lexington, S. C.
George, Howard, 4359 Frankford, Philadelphia, Pa.
George, J. R., & Bro., canned goods, Irvington, Va.
George, M. & R. L., machinists, New Lisbon, N. Y.
George, R. W., flour, Francisco, N. C.
George Washington University, engng. schools & coll., Washington, D. C.
George's Creek Coal Co., Cumberland, Md.
Georgetown Coated Paper Mills, Georgetown, Ont.
Georgia Agricultural Works, Fort Valley, Ga.
Georgia Belle Fertilizer Co., Newnan, Ga.
Georgia Brick & Tile Co., Adairsville, Ga.
Georgia Car & Locomotive Co., P. O. Box 1675, Atlanta, Ga.
Georgia-Carolina Brick Co., Augusta, Ga.
Georgia-Carolina Lumber Co., Pottsville, Pa.
Georgia Chemical Wks., fertilizer mfrs., Augusta, Ga.

GEORGIA CREOSOTING CO., INC., Brunswick, Ga.

Georgia Dredging Co., Savannah, Ga.
Georgia Fertilizer & Oil Co., Valdosta, Ga.
Georgia Handle Co., Savannah, Ga.
Georgia Hardware Co., wholesale, Brunswick, Ga.
Georgia Iron Works, 605 12th St., Augusta, Ga.
Georgia Kaolin Co., Macon, Ga.
Georgia Lumber Co., Bluefield, W. Va.
Georgia Mfg. Co., fertilizer, Camilla, Ga.
Georgia Marble Co., Tate, Ga., and Nelson, Ga.
Georgia Marble Finishing Wks., Canton, Ga.
Georgia Milling Co., flour, Fort Valley, Ga.
Georgia Paint & Glass Co., Atlanta, Ga.
Georgia Paving & Constr. Co., Columbus, Ga.
Georgia Peruvian Ochre Co., 165 Broadway, New York.
Georgia Phosphate Co., Athens, Ga.
Georgia Pine Co., Elliott & Linwood Aves., Baltimore, Md.
Georgia Pine Turpentine Co., Fargo, Ga.
Georgia Pine Turpentine Co. of New York, 156 Perry St., New York, Home Office.
Georgia Plow & Fdry. Co., Athens, Ga.
Georgia Products Co., fertilizer mfrs., Fort Gaines, Ga.
Georgia Quincy Granite Co., Macon, Ga.
Georgia School of Technology, arch. & engng. schools, Atlanta, Ga.
Georgia Supply Co., Savannah, Ga.
Georgia Supply House, mill & facty. supplies, Griffin, Ga.
Georgia Talc Co., 214-215 Dehumor Bldg., Asheville, N. C.
Georgia Tie & Lumber Co., 29 Broadway, New York.
Georgia Veneer & Package Co., Brunswick, Ga.
Georgia Vitrified Brick & Clay Co., Augusta, Ga.
Georgia Webbing & Tape Co., Columbus, Ga.
Georgs, C. W., Mfg. Co., sashes, doors & blinds, Beaumont, Tex.

GERAGHTY & COMPANY, 3035 W. Lake St., Chicago.

Gerard, Michael, machsts. & fndrs., Cissna Park, Ill.
Gerber, A. F., Stone Co., 153 Ridgewood av., Newark, N. J.
Gerber, J. J., cornices & skylights, 128 6th av. S., Minneapolis, Minn.
Gerbig, J. C., & Son, soap, Chambersburg, Pa.
Gerdau, Otto, Co., rattans, 14 Lespenard, New York.

GERDES & COMPANY, INC., 42 Church St., New York.
Pres.—T. R. N. Gerdes.
Sec.—H. F. Holly.
Treas.—H. T. Gerdes.

Gerdes, Theodore, 105 Bank St., New York.
Gerding & Aumann, cornices, 437 Wallace av., Ft. Wayne, Ind.
Gerdling Bros., machsts., Walsh bldg., Cincinnati, Ohio.
Gereke-Allen Carton Co., paper folding boxes, etc., Chouteau, St. Louis, Mo.
Gerhard, E. C., Bldg. Co., Century bldg., St. Louis, Mo.
Gerhardt, C., 591 Hudson St., New York.
Gerken Co., J. D., 29 Ontario St., Toledo, O.
Gerkensmyer, H., brick, Martin, Ohio.
Gerkin, J. D., & Co., cornices & skylights, Toledo, Ohio.
Gerlach & Barklow Co., The (Calendars), Joliet, Ill.
Gerlach Co., The Peter, 1708 Columbus Rd., Cleveland, O.

Gerlach, J. H., loose leaf devices, College Point, N. Y.
Gerline Brass Foundry Co., Inc., Kalamazoo, Mich.
Gerling Toy Co., 64 Grand, New York.
Gerlinger-Anderson Co., Gerlinger Bldg., Portland, Ore.
Gerlinger Steel Casting Co., West Allis, Wis.
Gerlock, H. W., machsts. & fndrs., 9th & Mifflin Sts., Huntingdon, Pa.
Germain & Boyd Lumber Co., Atlanta, La.
Germain & Boyd Lbr. Co., Saginaw, Mich.

GERMAIN COMPANY, THE, 1120 Farmers' Bank Bldg., Pittsburgh, Pa.
Pres.—L. Germain, Jr.
V. Pres.—L. Germain, Sr., J. H. Austin, Jr.
Secy. & Treas.—A. A. Germain.
Chicago—752 Peoples Gas Bldg.
Hattiesburg, Miss.—601 Carter Bldg.
Jacksonville, Fla.—1008 Graham Bldg.
Mobile, Ala.—826 City National Bank Bldg.
New York—405 Lexington Ave.
Philadelphia, Pa.—46th & Walnut Sts., Stoneleigh Court.
Portland, Ore.—1437 Northwestern Bank Bldg.
San Francisco, Cal.—402 First Nat'l Bank Bldg.

Germain Piano Co., Saginaw, Mich.
Germain Seed & Plant Co., garden weeders, 749 Terminal, Los Angeles, Calif.
German-American Button Co. See Art in Button Co., Inc. (successor).
German-Artistic Weaving Co., 141 W. 36th, New York.
Germania Cedar Wks., pencil timber, Christiana, Tenn.
Germania Importing Co., 41 Union Sq., New York.
Germania Mills, flour, Fredericksburg, Va.
Germanow, Simon Mach. Works, vises, 547 West av., Rochester, N. Y.
Germantown Milling Co., flour, Germantown, Ky.
Germantown Tool Wks., see Griffith Tool Wks. (successors).
Gernaey, Geo. D., dock bldrs., 4527 8th N. E., Seattle, Wash.
Gernert Bros. Lbr. Co., Louisville, Ky.
Gernt, Hugo & Arthur, lbr., Gernt, Tenn.
Gernt, Rudolph C., 2450 Field, Detroit, Mich.
Gerock Bros. Mfg. Co., 1352 Old Manchester Road, St. Louis, Mo.
Gerold, Frank Co., barrels, 453 N. Green, Chicago, Ill.
Gerow, Emma, pckg. box mfrs., 450 11th av., New York.
Gerrard, Barclay Granite Co., Barre, Vt.
Gerrard Wire Tying Machine Co., Inc., box strapping machs., 1942 S. 52d av., Cicero, Ill.
Gerrick & Gerrick Co., steel structural wk., Seattle, Wash.
Gerrish Machy. Co., dirs., 1011 E. E., Tacoma, Wash.
Gerry Co. F. R., 1835 Market St., Philadelphia, Pa.
Gerry, Geo., & Son, textile machy., suppa., Athol, Mass.
Gersix Mfg. Co., autos, Seattle, Wash.
Gersmann, Rudolf, arch'l iron, 2006 Crotona av., New York.
Gerson & Carey, Lansing, Mich.
Gerson & Sons Co., The I., Dearborn St. & W. & L. E. Belt Ry., Toledo, O.
Gerson, Sam'l, scrap iron, Coatesville, Pa.
Gerson-Stewart Corp., The, 1270 W. Third St., Cleveland, O.
Gerst Bros. Mfg. Co., machsts. & fndrs., 800 Cass av., St. Louis, Mo.
Gerstein Bros. & Copper, 1 W. 3rd St., Boston, Mass.
Gerstein Brothers, 119 Spring St., New York.
Gerstendorfer Bros., 231 E. 42nd St., New York.
Gerstenslager Co., carriages, Wooster, Ohio.
Gerstner & Sons, H., 10 Cincinnati St., Dayton, O.
Gerstner, A. W., Co., whol. hdwe., 634 8th av., New York.

GERTS, LUBBARD & CO., 2107 W. Grand Ave., Chicago.
Office, Factory & Warehouse.—2100-2116 Grand Ave., Chicago.
Pres.—E. C. Lumbard.
Secy.—Walter S. Gerts.
Treas.—F. A. Crego.
R. R. Salesman—A. Christman.
Salesman—J. B. Long.

Gessner, David, Co., textile machy., Worcester, Mass.
Gesswein, F. W., Co., jewelers' machy., etc., 16 W. 45th, New York.
Gesswein, Paul H., & Co., watchmakers' tools, 35 Maiden lane, New York.
Gest, G. M. (Conduit Contg. Engr.), 237 Broadway, New York.
Gestring Wagon Co., 1718 N. Broadway, St. Louis, Mo.
Getchell, Seth S., & Son, mill & facty. supplies, tin cylinders, Woonsocket, R. I.
Gethmann Brick Co., The, Gladbrook, Ia.
Getman & Judd Co., lumber, Stamford, Conn.
Gets-Em Mfg. Co., Council Grove, Kans.
Gettler Studios, glass stainers, 855 N. Howard, Baltimore, Md.
Getty, F. I., machinist, Jennings, La.
Gettys, M. E., Co., lbr., Jeffersonville, Ga.
Getz Bros. & Co., Spear & Harrison St., San Francisco, Calif.
Getz Power Washer Co., clothes washing machines, Morton, Ill.
Getz-There Soap Co., Conshohocken, Pa.
Getzen, J. C., Webster, Fla.

GEUDER, PAESCHKE & FREY CO., 1314-1790 St. Paul, Milwaukee, Wis.
Pres.—C. A. Paeschke.
Sec. & Treas.—F. J. Frey.
Mgr. of Sales—Charles Paeschke, Jr.
Chicago—314-318 W. Ohio St.
St. Louis, Mo.—529 Odd Fellows Bldg.

Geving Bros., machsts., Lake Mills, Iowa.
Geyer, Ed. J., tailors' pressing machs., Rochester, N. Y.
Geyer, John, sash, door & blind mfrs., Prescott, Wash.
Geyer's Stationer, trade publication, 949 Broadway, New York.
Geyler Furn. Co., Dept. H, Hillsboro, Md.
Geyser Elec. Co., washing mach., 5008 Bloomingdale av., Chicago, Ill.
Gfell, John H., & Co., mill, facty. & plumbers' supplies, jobbers, Norwalk, Ohio.
Ghent Canning Co., Ghent, Ky.
Ghent Mfg. Co., grain separators, Ghent, Minn.
Gholstin Spring & Mattress Co., Atlanta, Ga.
Ghriskey's, Chas. M., Sons, wholesale hdwe., 508 Commerce, Philadelphia, Pa.
Giannini & Hilgart, 112 E. So. Water St., Chicago.
Giannini, G. W., mill & facty. supplies, 437 W. 42d, New York.
Giant Battery Co., 520 Pine St., Houston, Tex.
Giant Furn. Co., Dept. H, High Point, N. C.
Giant Grip Horseshoe Co., Oshkosh, Wis.
Giant Manufacturing Company, Council Bluffs, Ia.
Giant Portland Cement Co., Penna. Blvd., Philadelphia, Pa.
Giant Powder Co., Cons., The, 1st Nat'l Bank Bldg., San Francisco, Calif.
Giant Tire & Rubber Co., Findlay, O.
Giant Truck Corp., Chicago Heights, Ill.
Gibb Instrument Co., Bay City, Mich.
Gibb Instrument Co., electric welding mach., General Motors bldg., Detroit, Mich.
Gibbens-Finney-Gordon Co. See Standard Supply Co. of New Orleans, La. (successor).
Gibbins, T. C., lumber, Washington, La.
Gibbles Machinery Co., Columbia, S. C.
Gibboney, A. B., & Co., blankets, flannels, woolen, Reedsville, Pa.
Gibbons & Berry Construction Co., 1620 Main, Scranton, Pa.
Gibbons & Reed Co., contrs., Salt Lake City, Utah.
Gibbons & Stone, pianos, Rochester, N. Y.
Gibbons Co., Ernest A., 27 Montgomery St., Jersey City, N. J.
Gibbons, Edward, contractor, 255 Washington, Providence, R. I.
Gibbons, J. E., stone producers, Williamsport, Pa.
Gibbons, M. J., Supply Co., plumbers' supplies, jobbers, Dayton, Ohio.
Gibbons, N. L., steam heaters, Norristown, Pa.
Gibbs & Son, W. A., Chester, Pa.
Gibbs Bros., machinists, Commerce, Ga.
Gibbs-Brower Co., angle straightening machs., 261 Broadway, New York.
Gibbs, Chas. E., machsts., Honesdale, Pa.
Gibbs Gas Engine Co. of Fla., Jacksonville, Fla.
Gibbs Heddle Co., tex. machy., Leicester, Mass.
Gibbs-Inman Co., 820 W. Broadway, Louisville, Ky.
Gibbs, L. Y., Son & Co., fertilizer, Savannah, Ga.
Gibbs Loom Harness & Reed Co., tex. machy., supplies, Clinton, Mass.
Gibbs Machinery Co., Columbia, S. C.
Gibbs Mfg. Co., Canton, O.
Gibbs, Mrs. J. L., lumber, Mayfield, Mich.
Gibbs Preserving Co., 2303 Boston, Baltimore, Md.
Gibbs, W. H., & Co., cut glassware, Stroudsburg, Pa.
Gibbs, Walter S., garment hangers, E. 38th & Ross, Los Angeles, Calif.
Gibbs, Wm. H., cornices & skylights, 2498 W. Pico, Los Angeles, Calif.
Gibbud, M. J., Co., contractors, 107 Water, New Haven, Conn.
Gibby Foundry Co., steam heaters, 96 Condor, E. Boston, Mass.

GIBERSON & CO., E. D., 40 Rector St., New York.

Gibford-Weiffenbach Co., knives, Adrian, Mich.
Giblin & Co., Utica, N. Y.
Gibney Iron & Steel Co., Phillipsburg, N. J.
Gibney Tire & Rubber Co., Conshohocken, Pa.
Gibout, L. E., sash, door & blind, Menominee, Mich.
Gibraltar Knitting Mills, 1010 W. 12th, Chicago, Ill.
Gibsland Oil Mills & Fertilizer Co., Gibsland, La.
Gibson & Co., C. R., 826 Broadway, New York.
Gibson & Kirk Co., machsts. & fndrs., 217 Key Highway, Baltimore, Md.
Gibson & Knopp, contrs., Uniontown, Pa.
Gibson & Price Co., 615 Swetland Bldg., Cleveland, O.
Gibson Art Co., The, 4th & Plum, Cincinnati, O.
Gibson Bros. Mfg. Co., cocks & bibbs, N. Chicago, Ill.
Gibson Canning Co., Gibson City, Ill.
Gibson Co., A. C., 340 Washington St., Buffalo, N. Y.
Gibson Co., The Geo. H. (Engrs.), 100 Gold St., New York.
Gibson Co., N. Capitol Bldg., & Michigan, Indianapolis, Ind.
Gibson, David, machst. & fndr., Waterloo, Ia.
Gibson, G. N., & Son, lumber mfrs., West Stockholm, N. Y.
Gibson, G. P., & Son, lbr. mfrs., 468 Genesee, Utica, N. Y.
Gibson, Geo. R., Co., brushes, 11 E. 26th, New York.
Gibson-Homans Co., paint mfrs., 2366 Woodhill rd., S. E., Cleveland, Ohio.
Gibson Iron Works, Gibson City, Ill.
Gibson Mfg. Co., warm air furnaces, 415 Niles, Waterloo, Iowa.
Gibson Musical String Co., Belleville, N. J.
Gibson Paint Co., 1645 E 12th, Oakland, Calif.
Gibson, Porter E., contractor, Cambridge, Ohio.
Gibson Refrigerator Co., Greenville, Mich.
Gibson Slide Rule Co., Niles, Mich.
Gibson, Walter L., assayers, 824 Washington, Oakland, Calif.

GIBSON, WM. D., CO., springs, 1800 Clybourn Ave., cor. Willow, Chicago, Ill.

Gibson, W. W., 112 Market st., San Francisco, Calif.
Giehner, Ernest, cornices & skylights, 1107H E. N. W., Washington, D. C.
Gichner, Fred S., founders, 1214 D, N. W., Washington, D. C.
Giclas, H. J., cornices & skylights, 1134½ S. W., Washington, D. C.
Giddings & Lewis Machine Tool Co., Fond du Lac, Wis.
Giddings, Burt & Sons, fertilizer mfrs., Baldwinsville, N. Y.

GIDEON-ANDERSON CO., THE, 110 Angelica St., St. Louis, Mo.
Home Office: Gideon, Mo.
Pres.—W. P. Anderson.
V. P.—M. S. Anderson.
Sales Mgr.—J. C. Anderson.
Branch Office:
Detroit, Mich.—801 Real Estate Exchg. Bldg., A. W. Lepper, Mgr.

Gideon Cooperage Co., Dept. H, Gideon, Mo.
Gidon, Jos. E., auto. lamps, 255 W. 47th, New York.
Gier Pressed Steel Plant, Motor Wheel Corporation, Lansing, Mich.
Gies Gear Co., 439 E. Fort St., Detroit, Mich.
Giese, Frank, stone, Viaduct & Big 4, Cincinnati, Ohio.
Giesey, M. F., arch., Riley Law bldg., Wheeling, W. Va.
Gieske, J. R., architect, 1st Nat'l Bk. bldg., Ceredo & Huntington, W. Va.
Giesler & Co., machsts. & fndrs., Muscatine, Ia.
Giessel Co., Henry, 29 S. Clinton St., Chicago.
Giessing Milling Co., flour, Farmington, Mo.
Gifford, A. W., Co., hdwe. mfrs., 30 Oread, Worcester, Mass.
Gifford, C. M., & Son, canned goods, San Diego, Calif.
Gifford Electric Mfg. Co., Traverse City, Mich.
Gifford Engine Co., Lansing, Mich.
Gifford, Jno. A., & Son, Inc., hdwe., 252 Greenwich av., New York.
Gifford, Prince, sash, door & blind mfrs., Wareham, Mass.
Gifford Screw Products Co., 25 Bartlett St., Worchester, Mass.

GIFFORD-WOOD CO., Main Office and Works, Hudson, N. Y.
Ice Can Plant—Oakmont, Pa.
Boston, Mass.—24 Milk St.
Chicago—565 W. Washington St.
New York—50 Church St.
Pittsburgh, Pa.—Peoples Bank Bldg.

Agencies:
Atlanta, Ga.—116-118 Central Ave., Southern Construction & Supply Co.
Butte, Mont.—Anaconda Copper Mining Co., (Hdwe. Dept.)
Cleveland, O.—1547 Columbus Road, Standard Scale & Supply Co.
Denver, Col.—The George Tritch Hardware Co.
Duluth, Minn.—Marshall-Wells Hardware Co.
Kansas City, Mo.—Richards & Conover Hardware Co.
New York—56-58 Murray St., Sickels-Loder Co.
Omaha, Neb.—James Morton & Son Co.
Philadelphia, Pa.—523 Arch St., Standard Scale & Supply Corp.
Pittsburgh, Pa.—1631 Liberty Ave., Standard Scale & Supply Corp.
Saginaw, Mich.—Morley Bros.
St. Louis, Mo.—Simmons Hardware Co., Inc.
St. Paul, Minn.—Farwell, Ozmun, Kirk & Co.
Salt Lake City, Utah—The Salt Lake Hardware Co.
San Francisco, Cal.—Baker, Hamilton & Pacific Co.
Sherman, Tex.—Hardwicke-Etter Company.
Spokane, Wash.—Holley-Mason Hardware Co.

Gift, J. W., & Co., flour mills, Peoria, Ill.
Gigrich, A. A., & Co., umbrella sticks, Amityville, N. Y.
Giguere, Peter C., & Son, contractors, 641 N. E. 4th av., N. E., Minneapolis, Minn.
Gila Valley Milling Co., flour, Safford, Ariz.
Gilbane Building Co., Calverley, Providence, R. I.
Gilbert & Barker Mfg. Co., Spring Ave., N. S., Springfield, Mass.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Gilbert & Bros. Lumber Co., J. L., Garrison, La., & P. R. P., Baltimore, Md.
Gilbert & Co., gauge glass gaskets, Hyattsville, Md.
Gilbert & Co., radio app., New Haven, Conn.
Gilbert & Nichols Co., buckwheat & rye flour, Fulton, N. Y.
Gilbert & Son, Henry, Harrisburg, Pa.

GILBERT & SONS BRASS FOUNDRY CO., A., 4039 Forest Park Blvd., St. Louis, Mo.
Pres. & Treas.—Chas. F. Gilbert.
V. P.—George W. Gilbert.
Sec.—James A. Gilbert.
Auditor—Walter Cowhey.
Metallurgist—W. J. Finlay.
Mgr. Ry. Dept.—W. H. Ivers.
E. A. Hettinger, F. E. Woodmansee, E. J. Mackie, D. B. Riley.
Baltimore, Md.—L. H. Brenson Co., Inc.
Birmingham, Ala.—Young & Vann Supply Co.
Chattanooga, Tenn.—Mills & Lupton Supply Co.
Little Rock, Ark.—D. U. Browning.
Memphis, Tenn.—Chas. R. Brower.
Savannah, Ga.—A. J. Ryan.
Seattle, Wash.—Frank Shelberg.
Terre Haute, Ind.—Kester Electric Co.

Gilbert, A., & Sons, newspaper files & specialties (wood), Derby, Conn.
Gilbert, A. C., Co., elec. portable fans, 493H Blatchley av., Fox, New Haven, Conn.
Gilbert, A. F., architect, 80 Maiden Lane, New York.
Gilbert, Calvin, machsts. & fndrs., Gettysburg, Pa.
Gilbert Clock Co., W. L., Winsted, Conn.
Gilbert Company, 4471 N. Kedzie Ave., Chicago.
Gilbert, E. T., Mfg. Co., brushes, cleaners, etc., Rochester, N. Y.
Gilbert-Grant Co., The, Plainfield, N. J.
Gilbert, H., & Son, whol. hdwe., 400 S. 2d, Harrisburg, Pa.
Gilbert, Harry, contrs., 19 N. Martha av., Akron, Ohio.
Gilbert, Hedge Lumber Co., Burlington, Ia.
Gilbert, J. O., Furn. Co., Dept. A, Wichita, Kans.
Gilbert, John, contr., Viola, Ill.
Gilbert Knitting Co., sweaters, cardigans, etc., Little Falls, N. Y.
Gilbert Machine Works, screw mach. products, 355 Folsom, San Francisco, Calif.
Gilbert Mfg. Co., carburetors, auto. tire holders, etc., New Haven, Conn.
Gilbert Mfg. Co., Geo. H. (Woolen Dress Goods), Ware, Mass.
Gilbert Mill Supply Co., 50 Exchange pl., Providence, R. I.
Gilbert Paper Co., Menasha, Wis.
Gilbert Paper Co., Frank, Waterford, N. Y.
Gilbert Wall Paper Co., York, Pa.
Gilbert, Walter B., & Co., boxes, ventilators, etc., York, Pa.
Gilberts & Nash Co., Menasha, Wis.
Gilbertson, J., cornices & skylights, Bayonne, N. J.
Gilby Wire Co., 103 Adams St., Newark, N. J.
Gilchrist Co., 236 Bank St., Newark, N. J.
Gilchrist Co., Geo. E., 234 Congress St., Boston, Mass.
Gilchrist-Fordney Co., Laurel, Miss.
Gilchrist, John G., founders, South Bend, Wash.
Gilchrist, W. Irwin, steam fitters' supps., 681 Market, San Francisco, Calif.
Gilcrest, J. K. & W. H., Co., lumber mfrs., Des Moines, Ia.
Gildersleeve Ship Building Co., Gildersleeve, Conn.
Gile, J. M., architect, Pueblo, Colo.
Gile Tractor & Engine Co., see Stearns Motor Mfg. Co. (successors).
Giles & Co., Geo., Ocala, Fla.
Giles & Nielsen Nickel Wks., ice cream dishes, spoons, etc., Troy, N. Y.
Giles, Albert E., brick, Peoria, Ill.
Giles Bair Lbr. Co., Florence, S. C.
Giles Can Co., 2426-34 W. 16th St., Chicago.
Giles Drilling Co., Inc., core boring contrs., 30 Church, New York.
Giles Lbr. Co., Darrington, Wash.
Giles, Son & Hubbard, flour mills, Toshes, Va.
Gilfillan Bros., Inc., electrical drills & grinders, 1819 W. 16th, Los Angeles, Calif.
Gilfillan, F. C., machinists, Ebenezer, N. Y.
Gilkerson Const. Co., Ness bldg., Salt Lake City, Utah.
Gilkey, Jarboe, Hardware Co., Chickasha, Okla.
Gilkey Paper Box Co., folding boxes, 2909 S. Alaska, Tacoma, Wash.
Gilkey Printing Co., The W. S., W. 9th & Main St., Cleveland, O.
Gill & Mulholland, masons' & bldrs.' matls., 318 W. Adams st., Jacksonville, Fla.
Gill & Sons Forge & Machine Works, P. H., Lorraine St., Brooklyn, N. Y.
Gill-Andrews Lumber Co., Wausau, Wis.
Gill Bros. Co., lamp globes & chimneys, Steubenville, O.
Gill, C. P., & Co., granite, Montpelier, Vt.
Gill Clay Pot Co., Muncie, Ind.
Gill, D. A., mill & facty. supplies, Meadville, Pa.
Gill Glass Co., Inc., Amber & Venango Sts., Philadelphia, Pa.
Gill, Howard W., fertilizer mfrs., Avalon, Va.

Gill, Jno., & Sons Co., contractors, Citizens' bldg., Cleveland, O.
Gill, John M., cornices, 23 Kingsbury, Waterbury, Conn.
Gill, Jno. N., & Co., contractors, City Central bldg., Philadelphia, Pa.
Gill Lumber Co., Hippodrome bldg., Cleveland, O.
Gill Mfg. Co., (Piston Rings) 8300 S. Chicago Ave., Chicago.
Gill Mfg. Co., Philippsburg, Centre Co., Pa.
Gill Railway Supply Co., Peoria, Ill.
Gill, Rudolph Z., architect, Moweaque, Ill.
Gill, Thos., Soap Co., 711 Kent av., Brooklyn, N. Y.
Gill, W. E., machsts. & fndrs., Lake Geneva, Wis.
Gillam, H. C., mill & facty. supplies, Centralia, Wash.
Gillam, M. M., elec. illuminated signs, 110 W. 34th, New York.
Gillaspie, J. W., canned goods, Bedford, Va.
Gille Mfg. Co., tinware mfrs., 1423 W. 9th, Kansas City, Mo.
Gillen-Cole Co., asbestos gaskets, pipe covering, etc., Front & Davis, Portland, Ore.
Gillen Co., John, 2547 W. 25th Pl. Cicero, Ill.
Gillen, Edw., Dock, Dredge & Const. Co., contrs., Racine, Wis.
Gillen, Edw. E., Co., contr. & dock bldrs., 288 E. Water, Milwaukee, Wis.
Gillespie & Sons, L. C., 8 Fletcher St., New York.
Gillespie Air Craft Co., The, 625 Putnam Ave., Boston, Mass.
Gillespie Co., T. A. (Steel Pipe), 5 Dey St., New York.
Gillespie, D. L., & Co., lumber, Oliver bldg., Pittsburgh, Pa.
Gillespie, E. W., machy. dlrs., 608 Asylum, Knoxville, Tenn.
Gillespie, Earl A., sash, door & blind mfrs., Ozone Park, N. Y.
Gillespie Eden, Corp., 7 Dey St., New York.
Gillespie, Jas., lumber mfr., North Tonawanda, N. Y.
Gillespie Machine Co., stamping dies, Phipps Pr. bldg., Pittsburgh, Pa.
Gillespie Mfg. Co., machsts. & fndrs., 810 Brocket, Pittsburgh, Pa.
Gillespie Motor Co., Paterson, N. J.
Gillett & Eaton, Inc., Lake City, Minn.
Gillett Building Supply Co., sash, door & blind mfrs., Gillett, Wis.
Gillett Canning Co., Gillett, Wis.
Gillett, Charles A., canned goods, Auburn Junction, Ind.
Gillett, E. A., & Sons, carriage rims, Charlestown, Boston, Mass.
Gillette Clipping Mach. Co., 129 W. 31st, New York.
Gillette Elec. Street Clock Co., 728 Buckingham pl., Chicago, Ill.
Gillette Motors Co., Mishawaka, Ind.
Gillette Roller Bearing Co., factory trucks, Grand Rapids, Mich.
Gillette Rubber Co., 1834 Broadway, New York.
Gillette Rubber Co., tires & tubes, Eau Claire, Wis.
Gillette Safety Razor Co., 41 W. First St., Boston, Mass.
Gillette-Vibber Co., New London, Conn.
Gilley-Schmid Co., Inc., heating contrs., 182 Otis, San Francisco, Calif.
Gilliam Coal & Coke Co., Lynchburg, Va.
Gillam Co., saddlery goods, Canton, Ohio.
Gilliam Mfg. Co., roller bearings, 820 Savannah av., N. E., Canton, O.
Gillican-Chipley Co., Inc., rosin & turpentine, Central National Bank bldg., New Orleans, La.
Gillie Machine Co., Tonawanda, N. Y.
Gillies, Jas., & Sons, stone prod., 177 13th, L. I. City, N. Y.
Gillinder & Sons, Devereaux St. & State Road, Tacony, Philadelphia, Pa.
Gillingham Co., lbr., Norris & Richmond, Philadelphia, Pa.
Gillingham, H. F., & Co., scrap iron, 1013 N. Front, Philadelphia, Pa.
Gillinsky, M., scrap rubber, Trenton, N. J.
Gilliom Lbr. Co., sash, door & blind mfrs., Berne, Ind.

GILLIS & COMPANY, Heyworth Bldg., 29 E. Madison St., Chicago.

Gillis & Dashiell, canned goods, Quantico, Md.
Gillis & Geoghegan, 537 W. Broadway, New York.
Gillis, Chas. H., & Son, contractors, Battle Creek, Mich.
Gillons, G. H., Co., see Kelmit Co., (successor).
Gilman & Co., J., 86-88 Hudson St., New York.
Gilman & Son, metal cutting-off machy., Springfield, Vt.
Gilman Canning Co., Gilman, Ia.
Gilman, J. W., & Son, contractors, 911 W. Clay, Richmond, Va.
Gilman Paint & Varnish Co., 517 Market St., Chattanooga, Tenn.
Gilman Printing Co., The A. S., 623-637 E. St. Clair Ave., Cleveland, O.
Gilmartin, Edw., & Sons, lumber mfrs., 117 Murray st., Ft. Wayne, Ind.
Gilmer Co., L. H., Tacony, Philadelphia, Pa.
Gilmer Lumber Co., Alex., Remlig, Tex.
Gilmore, A. L., structural engineer, Binghamton, N. Y.
Gilmore Co., A. F., 700 Van Nuys Bldg., Los Angeles, Calif.
Gilmore Co., D. M., 513 S. 3rd St., Minneapolis, Minn.
Gilmore Hogshead Machine Co., Owensboro, Ky.
Gilmore Puckett Co., Armory, Miss.
Gilmore, S., calcined & wall plaster mfrs., Indian Falls, N. Y.
Gilmore Tube Scraper Works, 31 Terrace, Buffalo, N. Y.
Gilmour Hogshead Mach. Co., Owensboro, Ky.
Gilmour, J. A., pckg. box mfrs., 23 Bond, New York.
Gilmour Wire Hoop & Crating Machine Co., Owensboro, Ky.
Gilro Machine Co., presses, 2915 Ford, Oakland, Calif.
Gilson Bros. Co., machsts. & fndrs., Fredonia, Wis.
Gilson Mfg. Co., Port Washington, Wis.
Gilson Slide Rule Co., Niles, Mich.
Gilsonite Contrg. Co., general contractors, Wainwright bldg., St. Louis, Mo.
Gimbel & Co., Inc., Geo., 24 Stone St., New York.
Gindele Co., Chas. W., 4217 Belle Plain Ave., Chicago.
Gingras, Edward F., belt dressing, 389 Woodward av., Buffalo, N. Y.
Ginn, E. B., Varnville, S. C.
Ginn, I. L., & Co., fertilizer, Bowman, Ga.
Ginns, H. L., Broom Co., Wichita, Kan.
Ginter-Wardein Co., sash, door & blind mfrs., Alton, Ill.
Ginther's, J., Sons Co., iron arch'l, 419 Broadway, Buffalo, N. Y.
Ginzburg, M., billiard tables, 134 Bowery, New York.
Ginzel, John, Co., dock bldrs., Buhl blk., Detroit, Mich.
Giometti Bros., cut glassware, Corning, N. Y.
Giordans, P., & Co., willow ware mfrs., 600 Paterson av., West Hoboken, N. J.
Giordanni & Co., granite, Quincy, Mass.
Gipson Bros., sash, door & blind mfrs., Brandon, Vt.
Gipson Lumber Co., 405 Lbr. Ex., Minneapolis, Minn.
Girard Canning Co., North Girard, Pa.
Girard Chemical Co., core oil, 24 Maurice, Buffalo, N.Y.
Girard Colliery Co., Girardville, Pa.
Girard Iron & Metal Co., E. York & Aramingo St., Philadelphia, Pa.
Girard Iron Co., blast furnaces, Girard, Ohio.
Girard Lumber Co., Menominee, Mich.
Girard Mfg. Co., window shade machy., 87th & Moneta av., Los Angeles, Calif.
Girard Model Works, toys, wire shapes, etc., Girard, Pa.
Girard Smelting & Refining Co., Richmond & Tioga Sts., Philadelphia, Pa.
Girard Wrench Mfg. Co., Girard, Pa.
Girdletree Packing Co., Girdletree, Md.
Girnau Mfg. Co., cement mixers, Eau Claire, Wis.
Girrbach, Paul, cornices, St. Johns pl., Tompkinsville, N. Y.
Girtanner Engng. Co., coal conveyors, Synd. Term. Bldg., St. Louis, Mo.
Girtanner Engineering Corp., 1400 Broadway, New York.
Girten Belting & Packing Co., Houston, Tex.
Gisholt Machine Co., 1311 E. Washington St., Madison, Wis.
Gisselbrecht & Sator, sash, door & blind mfrs., 2025 N. Mozart, Chicago, Ill.
Gits Bros. Mfg. Co., 1900 S. Kilbourn Ave., Chicago.
Gittner Coal & Supply Co., masons' & bldrs.' matls., Waukesha, Wis.
Gitzendanner Muller Co., machsts., 15 Vandewater, New York.
Giudici Bros., & Co., granite, Barre, Vt.
Giusti, S. A., refrigerators, 1111 Sansome, San Francisco, Calif.
Given Co., Herbert (Contrs. Mchy.), 50 Church St., New York.
Given, R., & Son Co., harness mfrs., Sidney, Ohio.
Givens, G. O., canned goods, Buchanan, Va.
Givin, O. M., Constr. Co., 812 Hennen Bldg., New Orleans, La.
Gjellefald-Chapman Constr. Co., Forest City, Ia.
Glacier Metal Co., Richmond, Va.
Gladbrook Pressed Brick & Tile Co., Gladbrook, Iowa.
Gladding, B. F., & Co., chalk lines, S. Otselic, N. Y.
Gladding, C. B., spokes, hubs (wagon), Geneva, Ohio.
Gladding, McBean & Co., Crocker Bldg., San Francisco, Calif.
Glade, Henry, Milling Co., flour, Grand Island, Neb.
Glade, John, & Sons, contrs., Batavia, N. Y.
Glade Lbr. Co., Erwin, W. Va.
Glade Valley Milling Co., flour, Walkersville, Md.
Glader, Wm., machsts., 210 N. Ann, Chicago, Ill.
Gladfelter & Chambers, contrs., 36th & Boland av., Baltimore, Md.
Gladiator Mfg. Co., Auburn, Ind. (Automobiles).
Gladiator Mfg. Co., tractors, 2335 E 52d, Los Angeles, Calif.
Gladium Company, Inc., The, 11 Cliff St., New York.
Gladstone Mattress Co., 1435 Jackson av., Huntington, W. Va.
Glad Tidings Publishing Co., 207 S. Wabash Ave., Chicago.
Gladys Canning Co., Gladys, Va.
Glaize Bros., saw mill & bldg. matls., Winchester, Va.
Glamorgan Pipe & Foundry Co., Lynchburg, Va.
Glandorf, C. H., 8th & Plum Sts., Cincinnati, O.
Glanton, J. A., furn., Dept. H, Columbus, Ind.
Glasby & Co., 2120 E. 25th, Los Angeles, Calif.
Glasby, J. F., Lbr. Co., 9 Badger av., Newark, N. J.
Glascock Bros. Mfg. Co., washing mach., children's carriages, Muncie, Ind.
Glascock Stove & Mfg. Co., Greensboro, N. C.
Glascote Co., glass lined tanks, St. Clair & Bliss rd., Cleveland, Ohio.
Glaser & Sons, M., New Orleans, La.
Glaser, A., metal spinning, 61 Frankfort, New York.
Glaser Co., fertilizer mfrs., Plainfield, N. J.
Glaser-Crandell Co., canned goods, 2006 S. Western av., Chicago, Ill.
Glaser, Jos., architect, 556 32nd, Milwaukee, Wis.
Glaser, Wm. A., cornices & skylights, Covington, Ky.
Glasgow Canning Co., Glasgow, Mo.
Glasgow Clay Prod. Co., brick, Glasgow, Va.
Glasgow Iron Co., Pottstown, Pa.
Glasgow Iron Works & Supply Co., 28 West St., New York.
Glasgow Milling Co., flour, Glasgow, Mo.
Glasow, Fred, agri. impits., Fond du Lac, Wis.
Glass-Arthur Iron & Brass Fdy., Gastonia, N. C.
Glass Coating Co., The, Leader Bldg., Cleveland, O.
Glass Industry, trade publ'n., 50 Church, New York.
Glass, J. E., Lbr. Co., 1129 Plymouth Bldg., Minneapolis, Minn.

GLASS WINDOW VENTILATOR WORKS, 231 N. Wells St., Chicago.

Glasser Constr. Co., Hutton Bldg., Spokane, Wash.
Glatfelter Co., P. H., Spring Grove, Pa.
Glatt, Jacob, cornices, 3640 Dickens av., Chicago, Ill.
Glauber & Co., M., 103 Varick St., New York.
Glauber Brass Mfg. Co., 4917 Superior Ave., Cleveland, Ohio.
Glauber, Inc., Samuel S., 242 E. 79th St., New York.
Glaubitz, R. B., ties, poles & posts, Wittenberg, Wis.
Gleason, J. L., & Co., conduit box receptacles, 241 Franklin, Boston, Mass.
Gleason, James, & Co., switches, 560 W. Monroe, Chicago, Ill.
Gleason Mfg. Co., E. P., 37 Murray St., New York.
Gleason-Peters Co., screw mach. prod. etc., 384 Classon av., Brooklyn, N. Y.
Gleason, Thos. E., fourdrinier wire, cylinder molds, etc., E. Newark, N. J.
Gleason-Tiebout Glass Co., 99 Commercial St., Brooklyn, N. Y.

GLEASON WORKS, 1000 University Ave., Rochester, N. Y.

Gleckler, Fred, brick & tile, Oak Harbor, Ohio.
Gleckler, Geo., brick & tile, Elmore, Ohio.
Gled Radio, antenna & receivers, 1212 Arch, Phila., Pa.
Gledhill & Co., machy. dlrs., 19 Union sq., Bridgeport, Conn.
Gledhill Co., Chas. F. (Minerals-Oils) 41 Park Row, New York.
Glen, Allen, Oil Mill, meal, Glen Allen, Miss.
Glen Alpine Milling Co., flour, Glen Alpine, N. C.
Glen, Blair Redwood Co., lumber, Monadnock Bldg., San Francisco, Calif.
Glen Blair Redwood Lumber Co., Fort Bragg, Cal.
Glen Gery Shale Brick Co., 9H N. 5th, Reading, Pa.
Glen Mfg. Co., Glen Rock, Pa.
Glen Mills Paper Co., Drexel Bldg., Philadelphia, Pa.
Glen Raven Cotton Mills, awning stripes, Glen Raven, N. C.
Glen Union Supply Co., lbr. mfrs., Pottsville, Pa.
Glen View Brick Co., common, Clarksburg, W. Va.
Glencairn Mfg. Co., shoe laces, Pawtucket, R. I.
Glenco Lime & Cement Co., 7006 & Broadway, St. Louis, Mo.
Glencoe Cotton Mills, twine, Columbia, S. C.
Glencoe Fdry. & Machine Co., Glencoe, Minn.
Glencoe Granite Co., W. Quincy, Quincy, Mass.
Glencoe Mills, cotton flannels, Burlington, N. C.
Glencoe Turpentine Co., New Smyrna, Fla.
Glendale Elastic Fabrics Co., elastic webbing, Easthampton, Mass.
Glendale Lbr. Co., Glendale, Ore.
Glendale Mfg. Co., 5396 San Fernando rd., Glendale, Calif.
Glendale Mill Co., window screens, Glendale, Calif.
Glendale Sheet Metal Wks., 733 S. San Fernando rd., Glendale, Calif.
Glenn Canning Co., Prospect, Va.
Glenn Mfg. Co., St. Charles, Ill.
Glennie, John, soap, North Andover, Mass.
Glennon-Beilke Co., 546 W. Lake St., Chicago.
Glennon, C. F., mill & facty. supps., Dept. H, Dalton, Mass.
Glenny, Wm., Glass Co., fruit jar wrenches, 10 W. Commerce, Cincinnati, Ohio.
Glens Falls Brick Co., contrs., Glens Falls, N. Y.
Glens Falls Lantern Co., Glens Falls, N. Y.
Glens Falls Machine Works, Glens Falls, N. Y.
Glens Falls Paper Products Co., box makers' paper, 142 Maple, Glens Falls, N. Y.
Glens Falls Portland Cement Co., Glens Falls, N. Y.
Glenshaw Glass Co., glass bottles, Glenshaw, Pa.
Glenside Woolen Mills, woolen carriage cloth, Skaneateles Falls, N. Y.
Glenwood Lumber & Mfg. Co., Glenwood Springs, Colo.
Glenzer Co., J. C., 14th and Fort Sts., Detroit, Mich.
Glesener, A. J., Co., whol. hdwe., 735 Folsom Ave., San Francisco, Calif.
Gleye Hardware Co., wholesale, Grand Rapids, Mich.
Glick, Harris, waste cotton & wool, 10 Brackett, Worcester, Mass.
Glick, Jacob, architect, 112 E. 6th, Newport, Ky.

GLIDDEN COMPANY, THE, Cleveland, O.

Factories:
Brooklyn, N. Y. — **Reading, Pa.**
Chicago. — **St. Louis, Mo.**
Cleveland, O. — **St. Paul, Minn.**
New Orleans, La. — **San Francisco, Cal.**
Toronto, Ont., Canada.

Glidden Mfg. Co., butter printing & cutting machs., Beverly, Mass.
Glidden, W. L., ladders, 1015 Atlantic av., Brooklyn, N. Y.
Glidden, Wilmot & Son, hand & power vacuum cleaners, Oak Park, Ill.
Glide Road Machine Co., 501 S. E. Huron, Minneapolis, Minn.
Globe Autographic Register Co., 38 Clementina, San Francisco, Calif.
Globe Automatic Sprinkler Co., 2035 Washington St., Philadelphia, Pa.
Globe Boiler Compound Co., Binghamton, N. Y.
Globe-Bosse-World Furniture Co., 600 W. Maryland St., Evansville, Ind.
Globe Brass Fndry., 1218 W. Liberty, Cincinnati, Ohio.
Globe Brass Mfg. Co., machsts. & fndrs., 2925 E. 55th, Cleveland, Ohio.
Globe Bldg. Co., contrs., 443 Broad, Newark, N. J.
Globe Canning Co., Eastport, Me.
Globe Casket Mfg. Co., Kalamazoo, Mich.
Globe Chair Co., Dept. H, Hillsboro, Ohio.
Globe Chemical Co., 68 Devonshire St., Boston, Mass.
Globe Chemical Co., 727 E. Ridgeway Ave., Cincinnati, O.
Globe Collapsible Tube Corp., 401-405 Jefferson St., Hoboken, N. J.
Globe Company, The, Sheboygan, Wis.
Globe Cotton Mills, Augusta, Ga.
Globe Cotton Oil Mills, 907 E. 3d, Los Angeles, Calif.
Globe Counter Co., Haverhill, Mass.
Globe Decalcomanie Co., 263 Sussex, Newark, N. J.
Globe-Duluth Iron Works, Inc., 329 S. 29th Ave., Duluth, Minn.
Globe Ear Phone Co., audiphones, 88 Tremont, Boston, Mass.
Globe Electric Co., 6340 Stony Island, Chicago.
Globe Electric Co., 28 Keefe Ave., Milwaukee, Wis.
Globe Engraving & Electrotype Co., 711 S. Dearborn St., Chicago.
Globe Fertilizer Co., Louisville, Ky.
Globe Foundry & Machine Co., Globe, Ariz.
Globe Foundry & Machine Wks., Niles, Ohio.
Globe Furniture Co. (Ltd.), Northville, Mich.
Globe Furniture Mfg. Co., 3176 17th, San Francisco, Calif.
Globe Gas Light Co., 25-27 Union St., Boston, Mass.
Globe Gear & Engineering Co., 723 N. 24th, Phila., Pa.
Globe Grain & Milling Co., 913 E. 3rd, Los Angeles, Calif.
Globe Hdwe. Co., whol. hdwe., Globe, Ariz.
Globe Ink & Mucilage Co., The, 171 Duane St., New York.
Globe Iron Roofing & Corrugating Co., Newport, Ky.
Globe Iron Co., Jackson, O.
Globe Iron Fdry. Erie, Pa., See Heisler Locomotive Wks.

GLOBE IRON ROOFING & CORRUGATING CO., THE, Cincinnati, O.

Pres. & Treas.—Jos. Gaff Andrews.
V. P.—A. K. Andrews.
Secy.—Joe. B. Andrews.

Works:
Newport, Ky.

Globe Iron Works, Duluth, Minn.
Globe Iron Works, fndrs., Erie, Pa.
Globe Jewelry Case Co., 35 E. 10th St., New York.
Globe Leather Belting Co., 185 Sumner, Boston, Mass.
Globe Lumber Co., Globe, Wash.
Globe Lumber Corp., North Tonawanda, N. Y.
Globe Machine & Stamping Co., The, 1220 W. 76th St., Cleveland, O.
Globe Machinery & Supply Co., Des Moines, Ia.
Globe Malleable Iron & Steel Co., 101 Greenway Ave., Syracuse, N. Y.

GLOBE MARINE ENGINE CO., 15 Whitehall St., New York, N. Y.

Globe Metal Co., 1970 Clybourn Ave., Chicago.
Globe Mfg. Co., machsts., Battle Creek, Mich.
Globe Mfg. Co., towels, Gaffney, S. C.
Globe Mfg. Co. (Washing Machines), Perry, Ia.
Globe Mattress Mfg. Co., 98 Friend, Boston, Mass.
Globe Mercantile Corp., steel, Monadnock Bldg., San Francisco, Calif.
Globe Milling Co., flour, Watertown, Wis.
Globe Nickel Plating Co., 62 Sudbury, Boston, Mass.
Globe Optical Co., 403 Washington St., Boston, Mass.
Globe Overall Co., 335 5th W., Cincinnati, Ohio.
Globe Paint Co., Williamsport, Pa.
Globe Paper Co., Evansville, Ind.
Globe Paper Box Co., 223 W. Huron, Chicago, Ill.
Globe Parlor Furn. Co., Dept. H, High Point, N. C.
Globe Pattern & Mfg. Co., The, 1366 W. 70th St., Cleveland, O.

Globe Phone Mfg. Co., The, Reading, Mass.
Globe Plaster & Mining Co., 222 Commerce Bldg., Kansas City, Mo.
Globe Polish Co., metal polish, Lincoln, N. J.
Globe Porcelain Co., Trenton, N. J.
Globe Press Brick Co., Ferris, Tex.
Globe Razor Co., Fremont, Ohio.
Globe Refining Co., lubricating oils, National Bldg., Cleveland, Ohio.
Globe Register Co., The, 2412 Reading Rd., Cincinnati, O.
Globe Rubber Tire Mfg. Co., Trenton, N. J.
Globe Rubber Works, Inc., mill & facty. supps., 45 High, Boston, Mass.
Globe Seamless Steel Tubes Co., People's Gas Bldg., Chicago, Ill.
Globe Sheet Metal Mfg. Co., switch boxes, etc., 854 Howard, San Francisco, Calif.
Globe Shipbldg. Co., Superior, Wis.
Globe Shirt & Overall Co., Abingdon, Ill.
Globe Silk Works, thread, 464 Congress av., New Haven, Conn.
Globe Soap Co., Walsh Bldg., Cincinnati, O.
Globe Stamp & Engraving Co., The, 406 S. Dearborn St., Chicago.
Globe Steel Abrasive Co., Mansfield, O.
Globe Steel Co., Mansfield, O.
Globe Steel Co., see Globe Iron-Crush & Shot Co. (successors).

GLOBE STEEL TUBES CO., 1345 Burnham St., Milwaukee, Wis.
Chairman—**Paul J. Kalman, Merchants National Bank Bldg., St. Paul, Minn.**
Pres.—**F. J. O'Brien, Milwaukee, Wis.**
V. P. & Gen. Mgr. of Sales.—John W. Floto, Peoples Gas Bldg., Chicago, Ill.
Sec. & Treas.—George O. Ross, Milwaukee, Wis.
Gen. Supt.—**K. A. Nygren, Milwaukee, Wis.**
Branch Offices:
CALIF.—San Francisco—Edward S. Sullivan, Monadnock Bldg., Karney 4150.
GA.—Atlanta.—E. A. Thornwell, Candler Bldg.
ILL.—Chicago.—T. F. Clifford, P. R. Caley, Peoples Gas Bldg., Harrison 4552.
MICH.—Detroit.—A. A. Loeffler, General Motors Bldg.
MINN.—Minneapolis.—Wm. Deutsche, Masonic Temple, Atlantic 5287.
N. Y.—New York—R. R. Lally, 110 E. 42nd St.
O.—Cleveland.—Case & Cornell, Lawrence Bldg.
TEX.—Houston—C. G. Elliott, Southern Pacific Bldg., Preston 2135.
WIS.—Milwaukee.—R. J. McElligot.
Foreign:
CAN.—Montreal, Que.—E. G. Jackson, Transportation Bldg.
Distributors:
COLO.—Denver.—F. S. McNamara, 306 Barth Bldg., Champa 267.
IND.—Indianapolis—Clarence H. Beach, Merchants Bank Bldg., Main 6788.
MINN.—Duluth.—Meagher-Mars Company, 331 W. Michigan St., Melrose 1598.
ORE.—Portland.—Smith & Woodbury Co., 55 Second St., Broadway 8164.
PA.—Erie—R. W. Gaskell.
Foreign:
CAN.—Montreal, Que.—International Equipment Co., Main 3204.

Globe Stove & Range Company, The, Kokomo, Ind.
Globe Supply & Machine Co., 627 S. Peters, New Orleans, La.
Globe Tanning Co., Des Moines, Iowa.
Globe Tanning Co., 918 Dumesnil, Louisville, Ky.
Globe Teddy Bear Co., 141 Penna av., Brooklyn, N. Y.
Globe Ticket Co., 112-114 N. 12th St., Philadelphia, Pa.
Globe Trimming & Button Co., 50 W. 26th, New York.
Globe Varnish Co., 76th St. & Loomis Blvd., Chicago.
Globe Varnish Co., Inc., Kelly & La Schall, Pittsburgh, Pa.
Globe Ventilator Company, 205 River St., Troy, N. Y.
Globe Vise & Truck Co., Grand Rapids, Mich.

GLOBE-WERNICKE CO., 25 Carthage Ave., Cincinnati, Ohio.
Factory at Cincinnati.
Agencies in all Cities—Branches in the following:
Boston, Mass.—118-120 Federal St.
Chicago—168-172 W. Monroe St.
Cincinnati, O.—128-130 E. Fourth St.
Cleveland, O.—2044 Euclid Ave.
Detroit, Mich.—137-141 Lafayette Blvd., W.
New Orleans, La.—417-423 Camp St.
New York—451-453 Broadway.
Philadelphia, Pa.—1012-14 Chestnut St.
St. Louis, Mo.—402-404 N. Broadway.
Washington, D. C.—1218-20 F St., N. W.

Globe Wire & Iron Works, 1007-15 Atkinson St., Milwaukee, Wis.
Globe Wire Co., Sharpsburg, Pa.
Globe Woven Belting Co., The, 1396 Clinton St., Buffalo, N. Y.
Glockner, Alexander M., cornices & skylights, Portsmouth, Ohio.
Gloekler Co., Bernard, 1133 Penn Ave., Pittsburgh, Pa.
Glogau & Co., cutlery, Great Lake Bldg., Chicago, Ill.
Glokner & Blue Co., tinners' supps., 2472 3d av., New York.
Glometti Bros., cut glass, Corning, N. Y.
Gloninger & Co., 1507 Arrott Bldg., Pittsburgh, Pa.
Glor Bros. & Willis Mfg. Co., stalls, machsts., Attica, N. Y.
Gloria Light Co., 112 N. May St., Chicago.
Gloria Mfg. Co., pipe, cement, 261 W. 118th, New York.
Gloster Lbr. Co., Gloster, Miss.
Gloucester Block Co., mfrs. tackle blocks & marine fittings, Gloucester, Mass.
Gloucester Isinglass & Glue Co., Gloucester, Mass.
Gloucester Lbr. Co., Rosman, N. C.
Gloucester Net & Twine Co., Gloucester, Mass.
Gloucester Oil Clothing Co., Gloucester, Mass.
Glove Creek Canning Co., Montvale, Va.
Glover Bros., Paul and Vandyke Sts., Philadelphia, Pa.
Glover Equipment Co., 1035 N. Meridian St., Indianapolis, Ind.
Glover, H. W., wood handles, West Millbury, Mass.

GLOVER MACHINE WKS., Export Dept., 43 Cedar, New York.
Glover Machine Works, Marietta, Ga.
Gloversville Abraiding Co., leather, Gloversville, N. Y.
Gloversville Auto Glove Co., Gloversville, N. Y.
Gloversville Knitting Co., knitted gloves, Gloversville, N. Y.
Gloversville Silk Mills, Gloversville, N. Y.
Gloves Corp., Oroner, 2538 W. Schubert Ave., Chicago.
Glow Electric Co., 219 Walnut St., Cincinnati, O.
Glowacki, John B., Co., cornices, 4642 Vincennes av., Chicago, Ill.
Gloyd, James R., Co., contrs., Hipp. Annex Bldg., Cleveland, Ohio.
Glucol Mfg. Co., glue, 2518 B'way, Cleveland, Ohio.
Glucroft & Glucroft, architects, 729 Flushing av., Brooklyn, N. Y.
Glunts & Co., James D., 68 Devonshire St., Boston, Mass.
Glunz Saddlery Co., Fort Scott, Kan.
Glynn Canning Co., Brunswick, Ga.
Glysson, Eugene C., granite, Barre, Vt.
Gminer, C., brick, Waupaca, Wis.
Gmj Mfg. Co., mine safety devices, Apollo Bldg., Pittsburgh, Pa.
Goat, Fred Co., bookbinders' machy., 314 Dean, Brooklyn, N. Y.
Gobel, Konrad, auto bodies & tops, 325 21st, Oakland, Calif.
Goble, J. H., & T. C., ship bldrs., Oswego, N. Y.
Godbeer, Hy., granite, 550 Olive, Fitchburg, Mass.
Godby, W. H., & Bro., cornices & skylights, Harrison, N. J.
Godchaux Brick Co. (Ltd.), Abbeville, La.
Goddard & Goddard Co., 914 Hastings, Detroit, Mich.
Goddard & Co., flour mills, Estill Springs, Tenn.
Goddard, F. A., & Co., shoe counters, Lynn, Mass.
Goddard, John E., machsts. & fndrs., Spencer, Mass.
Goddard Packing Co., see National Packing Corp. (successor).
Goddard, Simon, architect, Sheridan, Wyo.
Goddard-White Co., Moberly Mo.
Godel, E., & Sons, meat packers, Peoria, Ill.
Godfrey & Bolger, roll coverers, textile machy., Adams, Mass.

GODFREY CONVEYOR COMPANY, THE, Elkhart, Ind.
Godfrey, E. E., machsts. & fndrs., Ithaca, N. Y.
Godfrey, E. J., Co., tex. machy., roll coverers, No. Adams, Mass.
Godfrey, G. R., harness, saddles & strap wk., Gardner, Mass.
Godfrey, H. M., agricultural implts., Jonesburg, Mo.
Godfrey, Jas. A., & Co., bldg. contrs., Wainwright Bldg., St. Louis, Mo.
Godfrey, John F., coal conveying machy., Elkhart, Ind.

GODFREY-KEELER CO., 70 Warren St., New York. Freeman A. Godfrey, William Keeler.
Godfrey Packing Co., canned goods, Benton Harbor, Mich.
Godsey & Fry, armature rewinding, Richmond, Va.
Godwin Bindery, 417 S. Jefferson St., Chicago.
Godwin Constr. Co., 130 E. 44th, New York.
Godwin, W. S., Co., Inc., concrete curbs, McComas & Race, Baltimore, Md.
Goebel & Co., J., 67 Cortlandt St., New York.
Goebel, G. A., 217 W. Madison St., Chicago.
Goebert, John, willow ware mfrs., 127 Church, Philadelphia, Pa.
Goecke, Jos., brick, Maria Stein, Ohio.
Goedde, B. & Co., lbr. mfrs., Weber & Illinois av., East St. Louis, Ill.
Goeller, Chas., Constr. Co., 18 Walnut, Newark, N. J.
Goeller, H. R., fndr., 406 Freilinghuysen av., Newark, N. J.
Goeller, J. F., & Son, sashes, doors & blinds, Klamath Falls, Ore.
Goeller's, M. G., Sons, corn brooms, Circleville, Ohio.
Goeppinger, L. & H., horse collars, Boone, Ia.
Goertz, Aug., & Co., metal nov. & spec., 276 Morris av., Newark, N. J.
Goerz American Optical Co., C. P., 317 E. 34th St., New York.
Goerz, C. P., Am. Optical Co., cameras, etc., 317 E. 34th, New York.
Goes Lithographing Co., 175 W. Jackson Blvd., Chicago.
Goessling, Wm. F., Box Co., Blair Ave. & Mullanphy, St. Louis, Mo.
Goethe Lumber Co., Sapp, Fla.
Goethel, Alex. G., cornices, 815 Winnebago, Milwaukee, Wis.
Goethel Co., Alfred C., The, 829-831 31st St., Milwaukee, Wis.
Goetjen & Workman, canned goods, 906 Webster, San Francisco, Calif.
Goetsch & Son, machsts. & fndrs., Naperville, Ill.
Goette, Rudolph F. A., machst., Rochester, N. Y.
Goettmann, O. J., transformers, 525 Ohio, Pittsb'g, Pa.
Goetz Box Anchor Co., New Albany, Ind.
Goetz Brass Co., plumbers' supps., 630 N. Franklin, Chicago, Ill.
Goetz, Chas., & Co., wire springs, 2548 S. Kedzie av., Chicago, Ill.
Goetz-Coleman Mfg. Co., machsts. & fndrs., New Albany, Ind.
Goetz Const. Co., Yanktown, S. D.
Goetz, F., Sons Co., leather, Reading, Pa.
Goetze Co., Otto (Cotton Goods), 109 Worth St., New York.
Goetze Gasket & Packing Co., 5 Allen Ave., New Brunswick, N. J.
Goetzman, H. W., sash, door & blind mfrs., Rochester, N. Y.
Goff & Sons, D., Pawtucket, R. I.
Goff Lumber Co., Wilkes-Barre, Pa.
Goffin & Zeifang, gas engines, Niagara Falls, N. Y.
Gogebic Steam Boiler Works, Duluth, Minn.
Gogel Mfg. Co., Toledo, O.
Goggin Constr. Co., Arcola, Ill.
Gogle, C., Hand-Forged Tool Co., auto & plbrs.' tools, San Carlos, Calif.
Gohde Nov. Co., adv. spec., Virqua, Wis.
Goheen Corporation, The, 202 Emmett St., Newark, N. J.
Gohl, Christian, & Sons, carriages, Williamsport, Pa.
Gohmann Bros. & Kahler Co., machsts. & fndrs., New Albany, Ind.
Goiler, Chas. H., sash, door & blind, Hicksville, Ohio.
Going Mfg. Co., pearl buttons, Amsterdam, N. Y.
Goite Mfg. Co., fuel level indicator, Kokomo, Ind.
Golbert Last Co., wooden shoe lasts, 54 Commercial, Worcester, Mass.
Golbranson & Co., granite, S. Quincy, Quincy, Mass.
Gold Bros. Brick Co., Big Stone City, S. D.
Gold Car Heating & Lighting Co., 220-36th St., Brooklyn, N. Y.
Gold Coin Stove & Fdy. Co., grey iron castings, sewer inlets, etc., Albany, N. Y.
Gold Coin Stove Co., Troy, N. Y.
Gold Furn. Co., 2238H S. Union, Chicago, Ill.
Gold King Screen Co., The, 327 E. California St., Oklahoma City, Okla. (Motion picture screens.)
Gold Mark Knitting Co., Railroad Ave., Woonsocket, R.I.

GOLD MEDAL CAMP FURNITURE MFG. CO., 1720 Packard Ave., Racine, Wis.
Gold Medal Polish Co., floor & furniture polish, etc., Racine, Wis.
Gold Medal Waterproofing Co., see Waterproofed Products Co. (successor).
Gold, Walter C., 235 Race St., Philadelphia, Pa.
Goldberg & Kavadlo, arch'l iron, 237 E. 109th, New York.
Goldberg & Son, J., 335 Lathrop Bldg., Kansas City, Mo.
Goldberg, C. H. & B. S., (Wholesale Woodenware), 585-591 Hudson St., New York.
Goldberg Display Fixtures Co., 135 W. 23d, New York.
Goldberg, E., Iron Wks., 165 W. Kinney, Newark, N. J.
Goldberg, Garret M., & Co., paint & varnish, 1019 Mission, San Francisco, Calif.
Goldberg, H., & Co., leather, 106 South, Boston, Mass.
Goldberg Ozone Mach. Co., generators, 518 W. Capitol av., Indianapolis, Ind.
Goldblatt Tool Co., 1522 Walnut St., Kansas City, Mo.
Goldcamp Mill Co., flour, Ironton, Ohio.
Golden-Anderson Valve Specialty Co., Fulton Bldg., Pittsburgh, Pa.
Golden Belknap & Swartz Co., gasoline engines, 5432 Grand River av., Detroit, Mich.
Golden Belt Mfg. Co., Durham, S. C.
Golden Eagle Milling Co., flour, Petaluma, Calif.
Golden Elevator & Mill Co., cereal foods, Golden, Ill.
Golden Fire Brick Co., 1936 15th, Denver, Colo.
Golden Gate & Miners Iron Wks., designers & engrs., 249H 1st, San Francisco, Calif.
Golden Gate Brass Mfg. Co., 251-259 2nd St., San Francisco, Cal.
Golden Gate Building Material Co., stucco, 540 8th, San Francisco, Calif.
Golden Gate Iron Wks., 1541 Howard St., San Francisco, Cal.
Golden Gate Mfg. Co., 9 Desbrosses, New York.
Golden Gate Packing Co., San Jose, Calif.
Golden Hdwe. Co., mill & facty. supplies, Tifton, Ga.
Golden Novelty & Brush Co., medicine cabinets, lamps, racks, etc., Goshen, Ind.
Golden Star Polish Mfg. Co., Inc., metal & furn. polish, 815 E. 21st, Kansas City, Mo.
Golden State Asparagus Co., canned, 16 California, San Francisco, Calif.
Golden State Box Facty., 1200 E. 8th, Los Angeles, Calif.
Golden State Canning Co., Ontario, Calif.
Golden State Machine Wks., 1038 23d av., Oakland, Calif.
Golden State Music Co., stringed instrs., 1928 Centre, Berkeley, Calif.
Golden State Portland Cement Co., Marsh-Stg. Bldg., Los Angeles, Cal.
Golden State Portland Cement Co., 200 Buck, San Francisco, Calif.
Golden State Portland Cement Co., Oro Grande, Cal.
Golden State Woolen Mills, blankets & robes, Long Beach, Calif.
Golden West Meat & Packing Co., Emeryville, Calif.
Golden West Motors Co., Sacramento, Cal.
Golden West Plating Wks., electro plating, 131 Mission, San Francisco, Calif.
Golden West Pump Co., 311H Harriet, San Francisco, Calif.
Golden's Foundry & Machine Co., Columbus, Ga.
Goldenberg, Rosenthal Co. 411 Widener Bldg. Philadelphia, Pa.
Goldenberg, S., 2311 S. Main, Los Angeles, Calif.
Goldenblum, Wm., & Co., whol. hdwe., 17 Murray, New York.
Goldendale Garage, machsts., Goldendale, Wash.
Goldendale Milling Co., feed mill, Goldendale, Wash.
Goldie & Co., Wm. Jr., 611 E. Midland St., Bay City, Mich.
Golding-Keene Co., (Feldspar), Keene, N. H.
Golding Mfg. Co., Franklin, Mass.
Golding Sons Co., potters' supplies, feldspar miners, Trenton, N. J.
Goldingay Bros. Co., sash, door & blind mfrs., 88 E. Kinney, Newark, N. J.
Goldmark Co., The, James, 83 Warren St., New York.
Goldner, Henry, Boiler & Tank Wks., Water & Muffin, Philadelphia, Pa.
Goldrick, Philip, brick, Kingston, N. Y.
Goldsboro Furn. Mfg. Co., Dept. H, Goldsboro, N. C.
Goldsboro Lumber Co., Dover, N. C.
Goldschmidt Detinning Co. (now Metal & Thermit Corporation), New York.
Goldschmidt, M., & Co., machsts., 542 S. Clark, Chicago, Ill.
Goldschmidt Thermit Co. (now Metal & Thermit Corporation), New York.
Goldsmith & Son, L., Cherry St., Newark, N. J.
Goldsmith & Tuthill, masons' & bldrs.' matls., Cutchogue, N. Y.
Goldsmith Bros. Smelting & Refining Co., 29 E. Madison St., Chicago.
Goldsmith, C. A., 270 Thomas St., Newark, N. J.
Goldsmith, Franklin, & Son, contrs., Catasauqua, Pa.
Goldsmith Metal Lath Co., 53 Central Ave., Cincinnati, O.
Goldsmith, N. W., lbr., Chester, N. H.
Goldsmith, Stern & Co., sewing thimbles, 136 W. 52d, New York.
Goldsmith's, P., Sons, baseball mfrs., etc., John, Findlay & Charlotte, Cincinnati, Ohio.
Goldstein Bros., elec. & gas light fixtures, Washington & Delaware, Indianapolis, Ind.
Goldstein Eng. Co., fire alarms, 25 Maiden lane, New York.
Goldstein, Jos. (Est. of), washboards, 10 Jones, New York.
Goldstone Bros., overalls, 323 Market, San Francisco, Calif.
Goldstone, Jos., horse & coat hair, 108 W. 34th, New York.
Goldstrom Bros., furn., 118H N. Paca, Baltimore, Md.
Goldwater, J. M., scrap rubber, 943 N. American, Philadelphia, Pa.
Golley & Finley Iron Wks., machsts. & fndrs., Lima, O.
Gollmar, E. T., machsts. & fndrs., Baraboo, Wis.
Gollner Co., Philip, 1838 W. 33rd St., Chicago.
Goltra Tie Co., The W. F., 803 Rockefeller Bldg., Cleveland, O.
Golucke, C. H., & Son, masons' & bldrs.' matls., Crawfordville, Ga.
Golwynne, Henry A., 28 Cortlandt St., New York.
Gomber, John, mill & facty. supps, Frederick, Md.
Gondert & Llenesch, packing box mfrs., Dayton, Ohio.
Gong Bell Mfg. Co., East Hampton, Conn.
Gonlet & Co., Toledo, O.
Gonnerman, A. W., elec. contrs., 336 S. B'way, Los Angeles, Calif.
Gonser, Jno. R., lumber, Kutztown, Pa.
Gonzales Cotton Mill Co., Gonzales, Tex.
Gonzales Cotton Oil & Mfg. Co., meal, Gonzales, Tex.
Gonzalez, Andres, beeswax, crude rubber, 82 Pine, New York.
Gooch, Arthur M., machsts. & fndrs., Newton Center, Mass.
Gooch-Edenton Hdwe Co., Jackson, Tenn.
Gooch Milling & Elevator Co., flour, Lincoln, Neb.
Good & Craft, 512 N. Eutaw, Baltimore, Md.
Good & Wagner, Mohawk Bldg., Akron, Ohio.

Good Bros., brick, South English, Iowa.
Good Bros. Leather Co., 142 Frelinghuysen av., Newark, N. J.
Good Furniture, trade publication, Grand Rapids, Mich.
Good, Geo. S., Fire Brick Co., Patton, Pa.
Good-Hopkins Lumber Co., 215 Jones Bldg., Spokane, Wash.
Good, J. R., & Co., sash, door & blind, Colfax, Wash.
Good, James, Inc., chemists, soaps, etc., 2113H E. Susquehanna av., Philadelphia, Pa.
Good-Lin Automotive Equip. Co., South Bend, Ind.
Good Mfg. Co., Inc., 305 E. 134th St., New York.
Good Mfg. Co., pipe straps, tank balls, etc., 305 E. 134th, New York.
Good Pine Lumber Co., Goodpine, La.
Good Roads, trade publication, 50 Church, New York.
Good Roads Constr. Co., Galveston, Tex.
Good Roads Machinery Co., Inc., Kennett Square, Pa.
Good Tool & Supply Co., mill, facty. & steamfitters' supps., Lima, Ohio.
Goodale Co., The, Kalamazoo, Mich. (Alum. Plates.)
Goodall Hammock Co., Westbrook, Me.
Goodall Rubber Co., Inc., 8th & Locust Sts., Philadelphia, Pa.
Goodbody, Wm., 505 W. Broadway, New York.
Goodchild Tool Co., bag needles, Eugene, Ore.
Goode Canning Co., Henry, Va.
Goode Const. Co., 4 W. 3d St., Charlotte, N. C.
Goode, R. L., canned goods, Buchanan, Va.
Goode, W. P., Brush Co., 136 North, Boston, Mass.
Goodell Co., 114 Main St., agricultural implts., Antrim, N. H.
Goodell Granite & Marble Co., Burlington, Vt.
Goodell, Inc., James M., Jr., 150 N. Laramie Ave., Chicago.
Goodell, J. H., & Son, machsts., Marseilles, Ill.
Goodell Mfg. Co., Greenfield, Mass.
Goodell-Pratt Co., Greenfield, Mass.
Goodell, Skiles Lumber Co., Chandlerville, Ill.
Goodell Tool Co., machsts. & fndrs., Shelburne Falls, Mass.
Goodenow, F. J., Furnace Co., 255 Meldrum, Detroit, Mich.
Goodfellow, J. P., can salting machines & transfer cars, Blaine, Wash.
Goodfellow's, W. H., Sons., whol. hdwe., 1319 11th av., Altoona, Pa.
Goodin, R. G., brick, Lebanon, Ky.
Goodin, Reid & Co., 41 Union Square West, New York.
Goodjohn Sash & Door Co., Leavenworth, Kan.
Goodlander-Robertson Lumber Co., Florida Ave & Fay St., Memphis, Tenn.
Goodlatte & Sons, oil cloth mfrs., Delawanna, N. J.
Goodlatte, T. R., & Sons, Inc., wall coverings, oil cloth & oiled cotton goods, Delawanna av., Delawanna, N.J.
Goodline Mfg. Co., index cards & brackets, Kent, Ohio.
Goodman & Gavin, pckg. box mfrs., 248 Metropolitan Ave., Brooklyn, N. Y.
Goodman Engine & Machine Co., machsts. & fndrs., S. 15th & Muriel, Pittsburgh, Pa.
Goodman, K. S., Co., lbr., 80 E. Jackson Blvd., Chicago, Ill.
Goodman Lumber Co., Goodman, Wis.
Goodman Machine & Tool Co., variable speed transmission, 50 Church, New York.
Goodman Mfg. Co., 4834 S. Halsted St., Chicago.

GOODMAN, S. FABIAN, 1834 Broadway, New York.

Goodman, W. A., fndrs., Waterloo, Iowa.
Goodmundson, A. K., sanitary flooring, 2140 San Pablo av., Oakland, Calif.
Goodner Pump & Mfg. Co., Rocky Ford, Colo.
Goodnow & Blake Mfg. Co., carburetor floats, 4th & Porter, Detroit, Mich.
Goodnow Foundry Co., L. H., Crocker St., Fitchburg, Mass.
Goodrich & Co., Wm. O., 30th & Hopkins Sts., Milwaukee, Wis.
Goodrich, C. E., stone, Auburn, N. Y.
Goodrich, H. M., saws, Bellingham, Wash.
Goodrich, Inc., A., 1500 W. Madison St., Chicago.
Goodrich-Morris Co., The, Cincinnati, O.
Goodrich Rubber Co., The B. F., Akron, O.
Goodrich, W. S., brick, Epping, N. H.
Goodrich, Wm. F., 1744 Seyburn, Detroit, Mich.
Goodsell, B. J., Hdwe. Co., cornices & skylights, Ludington, Mich.
Goodsell Packing Co., Maywood, Ill.
Goodspeed Machine Co., Winchenden, Mass.
Good-Will Lubricating Co., 1639 Arcade Bldg., St. Louis, Mo.
Goodwillie Bros., packing box & box shooks mfrs., 10 La Salle, Chicago, Ill.
Goodwillie, D. M., Co., packing box mfrs., 1208 W. 22d, Chicago, Ill.
Goodwillie-Green Box Co., Rockford, Ill.
Goodwin & Co., M., 53 Classon Ave., Brooklyn, N. Y.
Goodwin & Co., T. W., Norfolk, Va.
Goodwin-Bradley Pattern Co., 214 Oxford, Providence, R. I.
Goodwin Bros. Pottery Co., Elmwood, Conn.
Goodwin, C. E., & Sons, woolen blankets, Cumberland Gap, Tenn.
Goodwin Car & Mfg. Co., Inc., New York, N. Y., and Clearing, Ill.
Goodwin Gallagher Sand & Gravel Corp., 21 E. 40th St., New York.
Goodwin, H. C., Inc., adv. counsellor, Union Trust Bldg., Rochester, N. Y.
Goodwin, L. B., canned goods, Olaf, Va.
Goodwin, L. P., wood handles, Erin, Tenn.
Goodwin Lumber Co., Pleasant Lake, Ind.
Goodwin Preserving Co., canned gds, Louisville, Ky.
Goodwin Tile & Brick Co., Des Moines, Iowa.
Goodyear & Miller, Bloomdale, O.
Goodyear, A. B., binders—lumber, load, Bloomdale, O.
Goodyear, C. A., Lumber Co., Tomah, Wis.
Goodyear Cotton Mills, tire fabrics, Killingly, Conn.
Goodyear Lumber Co., The C. A., 332 S. Michigan Ave., Chicago.
Goodyear Lumber Co., Greenwood, Cal.
Goodyear Lumber Co., Marine Bank Bldg., Buffalo, N. Y.
Goodyear Redwood Co., Elk, Calif.

GOODYEAR RUBBER CO., 539 Mission St., San Francisco, Calif.

Goodyear Rubber Co., 787 Broadway, New York.
Goodyear Rubber Hose & Packing Co., belt dressing, 621 Chestnut, Philadelphia, Pa.
Goodyear Rubber Insulating Co., 105 E. 131st St., New York.
Goodyear Tire & Rubber Co., Akron, O.
Goodyear Tire & Rubber Co. of California, 1200 S. Oliver St., Los Angeles, Cal.
Goodyear's Metallic Rubber Shoe Co., Naugatuck, Conn.
Gooley & Edlund, Inc., Cortland, N. Y.
Gooley, W. F., cornices, 1911 W. Fayette, Syracuse, N.Y.
Gopher Envelope Co., 500 S. 5th, Minneapolis, Minn.
Gopher Hdwe Co., 212 N. 1st, Minneapolis, Minn.
Gopher Stone Co., 15th Ave. & Johnson St., Minneapolis, Minn.
Gordon & Finkheimer, machy dlrs., 224 Pine, Portland, Ore.
Gordon, A. D., heaters, 231 Franklin, Buffalo, N. Y.
Gordon Bros., cotton waste, Hazardville, Conn.
Gordon Bros., Pierce & Orthodox St., Philadelphia, Pa.
Gordon Co., J. P., 4th & Naghten, Columbus, O.
Gordon Co., Claud S. (Furnace Engineers), 712 W. Madison St., Chicago.
Gordon, David, Bldg. & Constr. Co., contrs., Burnet & Northern, Cincinnati, Ohio.
Gordon Engineering Corp., 21 E. 40th St., New York.
Gordon-Hauss-Folk Co., flour, St. Marys, Ohio.
Gordon Hollow Blast Grate Co., Greenville, Mich.
Gordon, Inc., Robert, 22 W. Austin Ave., Chicago.
Gordon, Jas. L., cornices, Lowell, Mass.
Gordon, L. O., Mfg. Co., cam shafts, Muskegon, Mich.
Gordon, L. S., pea pickers, Elizabeth City, N. C.
Gordon-Lawless Co., sheet metal goods, Omaha, Neb.
Gordon Lumber Co., Middletown, N. Y.
Gordon Machinery & Mfg. Co., bending machy., 1310 E. 6th, Los Angeles, Calif.
Gordon Metal Co., tin plate, metals, etc., whol., 14th & Dock, Richmond, Va.
Gordon, N., & Co., leather, 612 1st av., Minneapolis, Minn.
Gordon, Orville E., fire extinguishers, Rays Grossing, Ind.
Gordon Piano Co., 709 Whitlock av., New York.
Gordon Plumbing & Heating Co., 1346 E. 63d, Chicago, Ill.
Gordon Propeller & Mfg. Co., 9901 Desmond av., Cleveland, Ohio.
Gordon Sand Co., Conneaut, O.
Gordon Supply Co., cotton duck, 537 Albany, Boston, Mass.
Gordon Supply Co., mill & facty. supps. & machy. dlrs., Chicago Heights, Ill.
Gordon-Van Tine Co., (Bldg. Mat'ls.) Davenport, Iowa
Gordon, Wm. M., & Son, woolen blankets, Galax, Va.
Gordons Hardware Co., Beloit, Wis.
Gordonsville Milling Co., flour, Gordonsville, Tenn.
Gordy, Geo. G., flour, Cusseta, Ga.
Gorenzky, A., Boise, Idaho.
Gorham Bros. Co., machsts. & fndrs., Mount Pleasant, Mich.
Gorham Co., The, 5th Ave. & 30th St., New York.
Gorham, D. F., stone producers, Mount Kisco, N. Y.
Gorham Fire Apparatus Co., 260 Drumm, San Francisco, Calif.
Gorham, H. E., Oneonta, N. Y. (Mill & Factory Supplies).
Gorham, H. W., cribbage boards, East Norwalk, Conn.
Gorham Mfg. Co., Elmwood St., Providence, R. I.
Gorham-Revere Rubber Co., insulating tape, 50 Tremont, San Francisco, Calif.
Gorin, Frederick P., patent attorney, Central Bldg., Seattle, Wash.
Gorin Shocklesspeed Tabulator Co., Central Bldg., Seattle, Wash.
Gorke, H. J., 214 W. Washington St., Syracuse, N. Y.
Gorman, Chas. B., trunk mfrs., 329 N. Howard, Baltimore, Md.
Gorman Elec. Co., 315 Minn., St. Paul, Minn.
Gorman, Jas. J., cornices, Albany, N. Y.
Gorman Metal Co., Ltd., 141-145 Clara St., San Francisco, Cal.
Gornell, E., Sons Co., platers' brushes, 179 N. Wells, Chicago, Ill.
Gorrell, H. E., canned goods, Bel Air, Md.
Gorse, F. W., Co., elastic hosiery, Needham Heights, Mass.
Gorse, Wm., & Co., elastic hosiery, Needham Heights, Mass.
Gorsline & Swan Const. Co., Rochester, N. Y.
Gorton & Lidgerwood Co., 96 Liberty St., New York.
Gorton Co., paint, 513 N. 29th, Portland, Ore.
Gorton Pew Fisheries Co., Gloucester, Mass.
Gosa, Brockman Co., 12 N. 5th St., Philadelphia, Pa.
Gosch Bros. & Sons, sash, door & blind mfrs., 6436 Wentworth av., Chicago, Ill.
Goshen Fashion & Buggy Co., Goshen, Ind.
Goshen Central Coal Co., Massillon, Ohio.
Goshen Churn & Ladder Co., Goshen, Ind.
Goshen Lightning Rod Co., Goshen, Ind.
Goshen Lumber Co., Goshen, Wash.
Goshen Mfg. Co., Goshen, Ind.
Goshen Milk Condensing Co., canned, Goshen, Ind.
Goshen Milling Co., flour, Goshen, Ind.
Goshen Novelty & Lamp Co., Goshen, Ind.
Goshen Sash & Door Co., Goshen, Ind.
Goshen Specialty Mfg. Co., piston rings, Goshen, Ind.
Goshen Veneer Co., Goshen, Ind.
Goshorn Hardware Co., Charleston, W. Va.
Goss & de Leeuw Machine Co., New Britain, Conn.
Goss Co., J. C., 36 E. Woodbridge, Detroit, Mich.
Goss Corp., John L., Stonington, Me.
Goss, J. & E., tex. machy., supps. (Reeds), 870 Bedford, Fall River, Mass.
Goss Printing Press Co., 1535 S. Paulina, Chicago, Ill.
Goss Supply Co., plbrs. supplies, St. Johnsbury, Vt.
Goss, Wm. Howard, lumber, Paintersville, Pa.
Gossard, A. R., mill & facty. supplies, Austin, Tex.
Gossett, A. F., & Son, fertilizer, Griffin, Ga.
Gossler Oil Co., 24 S. 8th, Allentown, Pa.
Gosso Bed Co., The, 1519 S. 3rd Ave., Maywood, Ill.

GOTHAM ADV. AGENCY, 114 Liberty St., New York.

Gotham Can Co., 60 Eagle, Brooklyn, N. Y.
Gotham Knitting Mills, sweaters, bathing suits, 11 E. 26th, New York.
Gotham Pearl Button Wks., 45 E. 17th, New York.
Gotten, D. H., flour mills, Bartlett, Tenn.
Gottlieb, A., & Sons Co., confetti, 54 S. 2nd, Brooklyn, N. Y.
Gottron Bros. Co., Fremont, O.
Gottschalk & Co., furniture, Dept. H, 732 Market, Chattanooga, Tenn.
Gottschalk & Co., pan cleaning machines, Reedsville, Pa.
Gottschalk, Andrew, brick, Berne, Ind.
Gottschalk, F. S., Furnace & Roofing Co., Covington, Ky.
Goubert, Aug. A. (File Driv. Ham.), 90 West St., New York.
Gough, W. L., Co., balata; crude rubber, 25 S. William, New York.
Gould & Ash, chemical engrs., 216 Pine, San Francisco, Calif.
Gould & Cutler Corp., 45 Sudbury St., Boston, Mass.
Gould & Eberhardt, Inc., Chancellor Ave., Newark, N.J.
Gould & Taylor Cut Stone Co., 312 3d av., Brooklyn, N. Y.
Gould, A. R., & Sons, carriages, 415 Linden, Scranton, Pa.
Gould Balanced Valve Co., Kellogg, Ia.
Gould Construction Co., 413-423 Wellman Ave., Davenport, Ia.

GOULD COUPLER CO., 30 E. 42nd St., New York.

Pres.—Charles A. Gould.
V. P.—Wm. S. Gould.
Secy.—Eugene Gray.
New York—30 E. 42nd St., H. C. Johnstone, P. H. Simpson, M. M. Liera, A. N. Slocum.
Chicago—The Rookery, Geo. R. Berger, W. F. Martens.
Works—Depew, N. Y.

Gould, G. E., carriages, Lake Grove, N. Y.
Gould, G. W., Hobart Bldg., San Francisco, Calif.
Gould, Lee H. & Co., cornices & skylights, 251 Arcade, Cleveland, Ohio.
Gould Mfg. Co., Oshkosh, Wis.
Gould-Mersereau Co., 52 W. 38th St., New York.
Gould Packing Co., 88 Cambridge St., East Cambridge, Mass.
Gould Paper Co., Lyons Falls, N. Y.

GOULD STORAGE BATTERY CO., 30 E. 42nd St., New York.

Pres.—Chas. A. Gould.
V. P.—Wm. S. Gould.
Secy.—Chas. A. Gould, 2nd.
Chicago—The Rookery, Geo. R. Berger.
Chicago—225 E. 22nd St., R. N. Chamberlain.
Works—Depew, N. Y.

GOULDS MFG. CO., THE, 71 W. Fall, Seneca Falls, N. Y.

Atlanta, Ga.—Citizens & Southern Bank Bldg., O. B. Tanner, Manager.
Boston, Mass.—58 Pearl St., E. F. Leger, Mgr.
Chicago—12-14 S. Clinton St., P. F. O'Donnell, Mgr.
Detroit, Mich.—804 Dime Bank Bldg., H. L. Davis, Mgr.
Houston, Texas—1001 2nd National Bank Bldg., E. G. Goddard, Manager.
New York—19 Park Place, W. H. Hopper, Manager.
Philadelphia, Pa.—111 N. 3rd St., H. E. Alcott, Manager.
Pittsburgh, Pa.—636 Henry W. Oliver Bldg., E. C. Wayne, Manager.
Washington, D. C.—725 Transportation Bldg., J. C. Schanks.

Goulds Sons & Co., M., 115 Lafayette, Newark, N. J.
Goulet & Co., sashes, doors & blinds, Toledo, Ohio.
Gourlay Granite Wks., Westerly, R. I.
Gourley, Arthur, & Co., lbr., 11 S. LaSalle, Chicago, Ill.
Gouverneur Marble Co., Gouverneur, N. Y.
Gouze, Ferdinand, wood tanks, Jersey av., & 15th, Jersey City, N. J.
Gove, H. E., Mfg. Co., 1618 S. Hill St., Los Angeles, Calif.
Gove, Hartley, glass tubing, Vineland, N. J.
Gow, Chas. R., & Co., contrs., Park Square Bldg., Boston, Mass.
Gowanda Agricultural Works, Gowanda, N. Y.
Gowdey Reed & Harness Mfg. Co., J. A., 1226 N. Main St., Providence, R. I.
Gowing, D. H., Veneer Co., Portsmouth, Va.
Gowing, Dietrick Co., dairy app. & supps., 207 W. Water, Syracuse, N. Y.
Goyer Co., The, Hartford, Conn.
Goyette, Edison J., Mach. Co., 1727 Jones av., Oakland, Calif.
Goyne Steam Pump Co., Ashland, Pa.
Graber, Francis, cornices, 2306 N. 4th, Philadelphia, Pa.
Graber Supply Co., Hutchinson, Kans.
Grabler Mfg. Co., 5565 Broadway, Cleveland, O.
Grabo Machine Wks., E. O., 180 Center St., New York.
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MO.—Kansas City.—Frank H. Hartshorn.
St. Louis, Great Southern Lumber Co., Arcade Bldg., Olive 8454.
N. Y.—Buffalo.—J. W. Trounce, Ellicott Square, Seneca 5793.
O.—Cleveland.—E. L. Southern Co., 1820 Columbus Rd., Main 6990.
Marion, C. L. Gorton.
TENN.—Memphis.—M. L. Williams, Goodwyn Inst. Main 2611.
W. VA.—Charleston.—Carl Bougere.

Great Southern Producing & Refining Co., The, Shreveport, La.
Great West Electric Co., Ltd., 61 Albert St., Winnipeg, Man., Can.
Great Western Canning Co., Delphi, Ind.
Great Western Cutting & Welding Co., Inc., 894 Folsom St., San Francisco.
Great Western Electro-Chemical Co., 9 Main, San Francisco, Calif.
Great Western Furnace Co., cattle guards, etc., Jackson bldg., Denver, Colo.
Great Western Gypsum Co., 1701 Downey Blvd., Los Angeles, Calif.
Great Western Knitting Co., gloves, 10th & Chestnut, Milwaukee, Wis.
Great Western Lathe & Tool Co., The, Cincinnati, O.
Great Western Lbr. Co., box shooks, 268 Market, San Francisco, Calif.
Great Western Machinery Co. See Western Machy. Exchange (successors).
Great Western Mfg. Co., LaPorte, Ind.
Great Western Mfg. Co., Leavenworth, Kan.
Great Western Mfg. Co., 12th & Hickory Sts., Kansas City, Mo.
Great Western Meter Co., Powell & Beaudry, Oakland, Calif.
Great Western Milling Co., flour, 936 McGarry, Los Angeles, Calif.
Great Western Oil Co., 2846 E. 37th St., Cleveland, O.
Great Western Oil Refg. Co., Erie, Kan.
Great Western Paper Co., Ladysmith, Wis.
Great Western Portland Cement Co., 15 N. 10th, Kansas City, Mo.
Great Western Refillable Fuse Co., Thaw bldg., Pittsburgh, Pa.
Great Western Smelting & Refining Co., 41st and Wallace Sts. and Lowe Ave., Chicago.
Great Western Stove Co., Leavenworth, Kan.
Great Western Stove Repair Co., 312 Hennepin av., Minneapolis, Minn.
Great Western Sugar Co., Denver, Colo.
Great Western Supply Co., mill, steamfitters' & plbrs.' supplies, 948 Folsom, San Francisco, Calif.
Greater N. Y. Bedding Co., 39 East, New York.
Greater New York Brick Co., 103 Park av., New York.
Greater New York Metal Box Co., 143 W. 19th St., New York.
Greaves & Company, Robert K., 1336 W. Washington Blvd, Chicago.

GREAVES-KLUSMAN TOOL CO., THE, Cincinnati, O.

Pres.—C. H. Atkins.
V. P.—B. B. Quillen.
Sec.—Geo. D. Walker.

Greaves Machine Tool Co., engine lathes, 2116 Colerain av., Cincinnati, O.
Greb Co., wheel & gear pullers, 173 State, Boston, Mass.
Grebb, L., canned goods, Key Highway & Lawrence, Baltimore, Md.
Grebe & Co., Inc., A. H., 70 Van Wyck Blvd., Richmond Hill, N. Y.
Grebenzik, H., & Son, dyers' copper wks., N. Paterson, N. J.
Grecht Co., Wm., 1330 S. Sharp St., Baltimore, Md.
Greco Canning Co., San Jose, Cal.
Grede, Geo., & Bro. Co., carriages, 248 Reed, Milwaukee, Wis.
Greeff, R. W., & Co., chem. importers, 78 Front, New York.
Greek-American Sponge Co., 300 W. Randolph, Chicago, Ill.
Greek Products Impt. Co., olive oil, 804 W. Polk, Chicago, Ill.

GREELEY, A. P., patent attorney, Wash. Loan & Trust Bldg., Washington, D. C.

Greely Stone Co., St. Paul, Ind.
Green & Co., Inc., 81 Nassau St., New York.
Green & Hayes, leather, Peabody, Mass.
Green & Son, C. E., 93 Passaic St., Newark, N. J.
Green & Sons Co., contractors, 6 N. Michigan av., Chicago, Ill.
Green & Swett Co., 821 Boylston St., Boston, Mass.
Green, B. G., archl. iron, 213 Pacific, Brooklyn, N. Y.
Green, B. S., Co., horse collars, Bloomington, Ill.
Green Bay Barker Co., machsts. & fndrs., Green Bay, Wis.
Green Bay Brick Co., Green Bay, Wis.
Green Bay Canning Co., Green Bay, Wis.
Green Bay Carriage & Wagon Co., Green Bay, Wis.
Green Bay Cornice & Corrugating Co., Green Bay, Wis.
Green Bay Drive Calk Co., Green Bay, Wis.
Green Bay Foundry & Machine Co., Green Bay, Wis.
Green Bay Hardware Co., W. Walnut, Green Bay, Wis.
Green Bay Lumber Co., Des Moines, Ia.
Green Bay Paper & Fibre Co., Green Bay, Wis.
Green Bay Planing Mill Co., Green Bay, Wis.
Green Bay Soap Co., Green Bay, Wis.
Green Bay Trunk & Bag Co., Green Bay, Wis.
Green Bay Wire Works, Green Bay, Wis.
Green Bros. & Co., Rockford, Ill.
Green Bros., canned goods, Ball Grounds, Ga.
Green Bros., lumber mfrs., Blockville, N. Y.
Green Bros., machsts. & fndrs., Lewisburg, Tenn.
Green, Casper & Son, flour mills, Morgan, Minn.
Green Co., A. H., 97 Warren St., New York.

GREEN COMPANY, INC., G. S., 72 & 74 Warren st., New York.

Pres.—G S. Green.

Green, D. D., cornices, 215 6th, Milwaukee, Wis.
Green, Daniel, Felt Shoe Co., Boston, Mass.
Green Elec. Co., W., 81 Nassau St., New York.
Green Elevator Co., Wilmington, Del.
Green Felt Shoe Co., Daniel Dolgeville, N. Y.
Green Fire Brick Co., A. P., Mexico, Mo.
Green Fdry. & Furnace Wks., 100-10 S. 2nd St., Des Moines, Ia.
Green, Fred C., granite producer, Freeport, Me.
Green Fuel Economizer Co., The, Beacon, N. Y.

GREEN, FULTON, CUNNINGHAM CO., 9th Floor, F. P. Bldg., Detroit, Mich.

Green, Geo., Lbr. Co., 22d & S. Canal, Chicago, Ill.
Green, H. L., elec. fix. mfrs., Los Angeles, Calif.
Green Halter Co., Urbano, Ohio.
Green, L. P. (Power Scrapers), 53 W. Jackson Blvd., Chicago.
Green Hill Fire Brick Co., North East, Md.
Green, Hy. J., barometers, gauges, recorders, thermometers, etc., 1191 Bedford av., Brooklyn, N. Y.
Green, John, & Sons, machsts., Hoopeston, Ill.
Green, M. A., & Co., hot air furnaces, 187 Congress st., Bridgeport, Conn.
Green Mfg. Co., automobiles, Cobleskill, N. Y.
Green Mfg. Co., furniture, 1500H N. Halsted, Chicago, Ill.
Green-Marshall Co., paint & varnish, 1620 E. 14th, Los Angeles, Calif.
Green Mill Co., inc., lbr., Quilcene, Wash.
Green Mountain Lime Co., Middlebury, Vt.
Green Mountain Slate Co., Poultney, Vt.
Green Oil Soap Co., (Successors to Monahan Antiseptic Co.) 168 N. Curtis St., Chicago.
Green, Ottis, Hdw. Co., 11 West Park sq., Asheville, N. C.
Green, R. S., 3232 Frederick Ave., Baltimore, Md.
Green Rail & Machinery Co., L. A., First Nat'l Bank Bldg., Pittsburgh, Pa.
Green, Richard T., Co., ship repairs & marine rys., Boston, 50 Chelsea District, Mass.
Green River Chair Co., Livermore, Ky.
Green River Lumber Co., 1453 Thomas St., Memphis Tenn.
Green River Woolen Mills, Phil, Ky.
Green, Robt. M., & Sons, soda water fountains, 1413 Vine, Philadelphia, Pa.
Green, Sam'l M. Co., engineers & architects, 293 Bridge, Springfield, Mass.
Green (John C.) School of Science, Engng. Schools & Coll., Princeton, N. J.
Green, Thos. L., & Co., bakers' machy., 202 Miley Ave. Indianapolis, Ind.
Green, Tom, Brick Co., bldg. tile, Sioux City, Iowa.
Green, Warren E., Co., contractors, 70 E. 45th, New York.
Green, Wm., 627 W. 43rd St., New York.
Greenabaum Bros., canned goods, Seaford, Del.
Greenbaum, L., plbrs. supplies, 64 E. 116th, New York.
Greenbay Specialty Co., overalls, Greenbay, Wis.
Greenberg Guarantee Roofing Co., cornices, 22 Catherine, New York.
Greenberg's Sons, M., 225 Beale, San Francisco, Cal.
Greenbrier Milling Co., flour, Alderson, W. Va.
Greene & Higson, Pocatello, Idaho.
Greene & Wood, New Bedford, Mass.
Greene Aeronautical Co., aeroplane stabilizers, Elyria, O.
Greene Bros., htg. contrs., 342 Hanover, Boston, Mass.
Greene, Byron W., Jr., Co., bldg. matls., 531 E. 17th, New York.
Greene Co., Inc., Joseph E., 113 Federal St., Boston, Mass.
Greene Co., Stephen, 200-5th St., New York.
Greene Electric Furnace Co., 538 1st av. So., Seattle, Wash.
Greene Engineering Works, Racine, Wis.
Greene, Ernest, architect, 141 E. 45th, New York.
Greene, H. W., Constr. Co., 8 S. Dearborn, Chicago, Ill.
Greene, J. W., architect, Ravenna, Ohio.
Greene Leather Co., Burton, Austin Ave. & La Salle St., Chicago.
Greene, McKean & Swasey, auto locks, 24 California, San Francisco, Calif.
Greene Mfg. Co., furniture, Dept. H, Greene, N. Y.
Greene Mfg. Co., Racine, Wis.
Greene Mineral Paste Co., metal polish, Keene, N. H.
Greene, Nelson (Est. of), machsts., Edmeston, N. Y.
Greene Paper Co., R. L., 50 Fountaine St., Providence, R. I.
Greene, Roland, arch., 407 Oates Bldg., Asheville, N. C.
Greene, Tweed & Co., 109 Duane St., New York.
Greeneville Packing Co., meat packers, Greeneville, Tenn.
Greenewald, Herbert Co., oils, 1300 Pine, Camden, N. J.
Greenfield Box Co., 21 Gold, New York.
Greenfield Constr. Co., Hornell, N. Y.
Greenfield Machine Co., Greenfield, Mass. (See Greenfield Tap & Die Corp.)
Greenfield, Robt. A., architect, 20 W. 34th, New York.
Greenfield Tap & Die Corporation, Greenfield, Mass.

GREENHILL & SON, WM. P., 500 W. Division St., Chicago.

Greenlaw Lbr. Co., Flagstaff, Ariz.
Greenleaf, Jas. L., landscape architect, 1 Broadway, New York.
Greenleaf, John A., & Sons Co., contrs., 20 Washington, Auburn, Me.
Greenleaf-Johnson Lbr. Co., Norfolk, Va.
Greenleaf Stone Co., Green Bay, Wis.

GREENLEE BROS. & CO., Rockford, Ill.

Pres.—G. C. Purdy.
V. P. & Treas.—W. B. Greenlee.
Sec.—A. E. Alverson.
P. A.—A. M. Doran.
Sales Mgr. W. W. Machy.—O. V. Haegg..
Sales Mgr. Mach Tools—A. H. Eggers.
Boston, Mass.—200 Congress St., F. A. Cheney.
Los Angeles, Cal.—438 E. 3rd St., Eby Machy. Co.
New York—3610 Broadway, J. S. Haubert.
San Francisco, Cal.—35 Main St., Eby Machy. Co.
Washington, D. C.—Takoma Park, D. W. Edwards.

Greenlee Foundry Co., 664 W. 12th, Chicago, Ill.
Greenlee Stone & Building Co., 1245 7th, Denver, Colo.
Greenlie, Halliday & Co., 499 Water St., New York.
Greeno, C. C., ties, poles & posts, Burnside, Ky.
Greeno Co., The C. L., 325 Main St., Cincinnati, O.
Greenpoint Brass Fdry., 18 Franklin, Brooklyn, N. Y.
Greenpoint Fire Brick Co., 375 Borden Ave., Brooklyn, N. Y.
Greenpoint Metallic Bed Co., 226 Franklin, Brooklyn, N. Y.
Greenport Basin & Const. Co., machsts., Greenport, N. Y.
Greensboro Hdwe. Co., whol., Greensboro, N. C.
Greensboro Supply Co., machy. dlrs., S. Davie, Greensboro, N. C.
Greensburg Coal Co., bituminous, Greensburg, Pa.
Greensburg Foundry & Machine Co., Jeannette, Pa.
Greensburg Glass Co., bottles, jars—milk, Greensburg, Pa.
Greensburg Granite & Marble Works, Greensburg, Pa.
Greensburg Limestone Co., Greensburg, Ind.
Greenslade, John, fndry., 172 Corcoran av., Milwaukee, Wis.
Greenspan, Wolf & Sons, willow baskets & furniture, 636 Grand, Brooklyn, N. Y.

GREENSPON'S SONS IRON & STEEL CO., 3163 Hall St., St. Louis, Mo.

Pres. & Treas.—Louis Greenspon.
V. P.—Abraham Greenspon.
Secy.—Louis Mayer.

Greenstein, S., & Son, furniture, 206H W. 29th, New York.
Greenstone Products Co., Inc., Roanoke, Va.
Greentown Canning, Ice & Mfg. Co., Greentown, Ind.
Greenup Milling Co., flour, Greenup, Ky.
Greenville Cotton Oil & Mfg. Co., Greenville, Ga.
Greenville Gravel Co., Greenville, Ohio.
Greenville Hdwe. Co., 804 Pendleton, Greenville, S. C.
Greenville Implement Co., Greenville, Mich.
Greenville Iron Works, Greenville, S. C.
Greenville Mfg. Co., galv. steel tanks, Greenville, Ohio.
Greenville Mill & Elevator Co., flour, Greenville, Tex.
Greenville Milling Co., lumber, Greenville, Ky.
Greenville Silica Co., silica sand, Greenville, Pa.
Greenville Spool & Mfg. Co., Greenville, S. C.
Greenville Steel Car Co., Greenville, Pa.
Greenville Stone & Gravel Co., 269 Walnut St., Memphis, Tenn.
Greenville Textile Sup. Co., Greenville, S. C.
Greenwald Display Fixture Co., window display fix., 797 Broadway, New York.
Greenwell, N., Lumber Co., New Haven, Ky.

Greenwich Sash & Door Co., Greenwich, Conn.
Greenwood Advertising Co., electric illuminated signs, 500 Charles pl., Knoxville, Tenn.
Greenwood Advtg. Co., elec. sign flashers, 1942 S. Main, Los Angeles, Calif.
Greenwood Associates, household furniture, Gardner, Mass.
Greenwood-Atkinson-Armstrong Co., employees' uniforms, flag mfrs., 423 Woodward, Detroit, Mich.
Greenwood, Chester & Co., boring & special machy., Farmington, Me.
Greenwood China Co., Muirheid Ave., Trenton, N. J.
Greenwood Coal Co., McAlester, Okla.
Greenwood Constr. & Supply Co., refrigeration engrs., 47H Terminal Way, Pittsburgh, Pa.
Greenwood Cotton Mills, sheetings, Greenwood, S. C.
Greenwood Lumber Co., Ontonagon, Mich.
Greenwood Manufacturing Co., 5140 Hamilton Ave., Detroit Mich.
Greenwood Pottery Co., Canal St., Trenton, N. J.
Greenwood System, advtg. signs, Union & Charles, Knoxville, Tenn.
Greenwood, W. C., (Pipes, Valves) 22 Desbrosses St., New York.
Greer & Laing, 1501 Main St., Wheeling, W. Va.
Greer-Beatty Clay Co., Magnolia, Ohio.

GREER CHEMICAL CO., THE, 20 W. Jackson Blvd., Chicago.

Greer Cotton Seed Oil & Fertz. Co., Greer, S. C.
Greer Fertz. Co., Greer, S. C.
Greer, Fredric, screw mach. products, 2608 Flournoy st., Chicago, Ill.
Greer, J. L., lumber, Greer, Fla.

GREER STEEL CO., mfrs. of cold rolled strip steel for stamping & deep drawing, Dover, O.
General Office—Dover, Ohio.
Warehouses:
Detroit, Mich.—Greer Steel Co., Twelfth St. Terminal Bldg.
Cincinnati, Ohio—Union Iron & Steel Co., 1610 Reading.
Chicago, Ill.—Standard Steel & Wire Co., 1458 Cortland St.
Representative:
Boston, Mass.—J. E. G. Coxwell, 40 Central St.
New York—F. C. Giebel, 52 Vanderbilt Ave.

Greever, J. A., wholesale hdwe., Tazewell, Va.
Gregertsen Bros. Co., 360 McCormick Bldg., Chicago.
Gregg & Son, sashes, doors & blinds, Nashua, N. H.
Gregg Co., Ltd., The (Machines), Hackensack, N. J.
Gregg Fertilizer Co., Doerun, Ga.
Gregg Hardware Co., 124 Cadillac sq., Detroit, Mich.
Gregg Pump Co., Inc., 127-129 Southwest Blvd., Kansas City, Mo.
Gregorio, Nicholas, & Co., contractors, 4257 Byron av., New York.
Gregory Coke, Coal & Lime Co., Marshalltown, Ia.
Gregory Electric Co., 1601 S. Lincoln St., Chicago.
Gregory Fruit Co., canned, Colton, Calif.
Gregory Furn. Mfg. Co., Dept. H, Tacoma, Wash.
Gregory Handle Co., T. J., Nashville, Tenn.
Gregory, M., lbr., Marydell, Ky.
Gregory, Mayer & Thom Co., 19 Cadillac Sq., Detroit, Mich.
Gregory Rubber Co., Hower Bldg., Akron, Ohio.
Gregory, T. J., Handle Wks., Cookeville, Tenn.
Gregory Talc Blackboard & Crayon Co., 107 12th Ave., N., Nashville, Tenn.
Gregory, Thomas, Galvanizing Works, 263 N. Henry St., Brooklyn, N. Y.
Gregory, Wm., & Sons, machinists, 602 N. Main, Los Angeles, Calif.
Greif Bros. Cooperage Co., 1937 Willey Ave., Cleveland, O.
Greig, George, lumber, Arnaudville, La.
Greilick Mfg. Co., lbr., sash, door & blind mfrs., Traverse City, Mich.
Greilling Bros. Co., dock bldrs. & contrs., Green Bay, Wis.
Greiner Co., Emil, 55 Fulton St., New York.
Greiner, Gottlieb, laboratory app., 38 Vesey, New York.
Greiner, T., Bldg. & Cont. Co., contractors, Louisville, Ky.
Greist Mfg. Co., The, 219 Water St., New Haven, Conn.
Greive Mfg. Co., coffins, 142 E. 57th, Los Angeles, Calif.
Greiwe, E., & Bro., cornices, 1128 Broadway, Cincinnati, Ohio.
Grendel Mills, cotton sheetings, Greenwood, S. C.
Gresham Blank Book Co., 310 Hudson St., New York.
Gresham Fruit Growers' Assn., canned, Gresham, Ore.
Gresham Mfg. Co., Griffin, Ga.
Gress Mfg. Co. (Cross Ties & Lumber), Atlanta Nat'l Bank Bldg., Jacksonville, Fla.
Greth Machine Wks., Inc., Reading, Pa.
Grether Fire Equipment Co., 31? E. 2nd St., Dayton, O.
Grettenberger Sons, machsts., Tidioute, Pa.

GRETTER, H. A., (Gem Oil Burner), Frankfort, Ky.
Distributors:
ARK.—Smackover—Continental Supply Co.
CALIF.—San Francisco—Associated Supply Co., 79 New Montgomery St., Karny 4800.
ILL.—Chicago—Jewett & Sowers Co., 633 W. Pershing Rd., Boulevard 5710.
IND.—Marion—Marion Mach. Foundry Co.
KANS.—Coffeyville—Continental Supply Co.
Eureka—Drillers' Supply Co.
LA.—New Orleans—Woodward-Wight Co.
Shreveport—H. K. Henderson Iron & Supply Co.
MO.—St. Louis—Continental Supply Co., Post-Dispatch Bldg., Olive 5025.
MONT.—Missoula—Missoula Mercantile Co.
Winnett—Continental Supply Co.
N. Y.—New York—Continental Well Supply Co., 2 Rector St., Whitehall 6055.
OHIO—Marietta—Producers Supply & Tool Co.
Toledo—National Supply Co.
OKLA.—Cleveland—Murray Tool & Supply Co.
Grandfield—Grandfield Mach. & Supply Co.
Tulsa—Atlas Supply Co.
Frick-Reid Supply Co.
International Supply Co.
PA.—Bradford—Bradford Supply Co.
Pittsburgh—Frick & Lindsay Co., Sandusky & Robinson, Cedar 5700.
TENN.—Memphis—Richmond-Crosby Co.
TEX.—Austin—The Walter Tips Co.
Beaumont—Norvell-Wilder Co.
E. L. Wilson Hardware Co.
Corsicana—Hercules Supply Co.
Dallas—Briggs-Weaver Mach. Co.
Galveston—Black Hardware Co.
Houston—Continental Supply Co.
F. W. Heitman Co.
Republic Supply Co.
Wilson Supply Co.
Orange—Sabine Supply Co.
San Antonio—Alamo Iron Works.
San Antonio Mach. & Supply Co.
Sherman-Hardwick-Etter.
Sour Lake—Rex Supply Co.
Wichita Falls—Petrolia Supply Co.
North Texas Supply & Tool Co.
WYO.—Basin-Continental Supply Co.
Rawlins—Continental Supply Co.

Grewe, John, Construction Co., 3520 Chippewa, St. Louis, Mo.
Grey Iron Casting Co., Mount Joy, Pa.
Grey Iron Fdry. Co., Muskegon, Mich.
Grey Steel Products Co., 111 Broadway, New York.
Greyhound Mfg. Co., 231 Mercer St., New York.
Greylock Mill Supply Co., Adams, Mass.
Greynalds & Monroe, Inc., contrs., West Palm Beach, Fla.
Gribble Advtg. Co., advtg. nov., 78 Main, Galena, Ill.
Grid-Iron Grip Wheel Co., Toledo, Ohio.
Gridley-Fuhrman-Martin Co., whol. hdwe., Elmira, N. Y.
Griebel, E. G., machsts. & fndrs., Woodstock, Ill.
Griebel Instrument Co., Carbondale, Pa.
Grieme Co., H. C., Amsterdam, N. Y.
Grier Bros. Co., miners' lamps, 124 2d av., Pittsburgh, Pa.
Grier, F. A., & Sons, machsts., Salisbury, Md.
Grier, Robt. D., & Sons Co., mill & facty. supplies, Salisbury, Md.
Gries Machine Co., Inc., 444 E. 148th St., New York.
Grieshaber Pen Co., fountain pen mfrs., 329 Plymouth ct., Chicago, Ill.
Grieshaber, Wm., scrap iron, steel & rubber, Reading, Pa.
Griesler, Abramson & Co., architects, Lafayette Bldg., Philadelphia, Pa.
Griess, Pfieger Co., leather, 812 Sycamore, Cincinnati, O.
Grieves, C. S., Paint Co., Amesbury, Mass.
Griffen, Benjamin, plate glass, 9 Desbrosses, New York.
Griffin & Co., John J., 1513 Race St., Philadelphia, Pa.
Griffin & Satterwhite, Roanoke, Ala.
Griffin & Skelley Co., canned goods, San Francisco, Calif.
Griffin-Bassett, Inc., 242-244 Lafayette St., New York.
Griffin Broom Co., Chanute, Kans.
Griffin Bros., contrs., Norfolk, Va.
Griffin Bros., school slates, Bangor, Me.
Griffin Button Co., Shelton, Conn.
Griffin, C. N., Co., contractors, 5511 Euclid av., Cleveland, Ohio.
Griffin-Cantrell Hdwe. Co., Rome, Ga.
Griffin, Chas., mill engrs., 1 Arch, Lowell, Mass.
Griffin Co., G. W., Franklin, N. H.
Griffin Construction Co., Atlanta, Ga.
Griffin Envelope Co., 25 Fremont, San Francisco, Calif.
Griffin Fndry. & Mfg. Co., Rome, Ga.
Griffin, G. W., Co., machsts. & fndrs., Franklin, N. H.
Griffin, Geo. B. & C. M., broom corn, Charleston, Ill.
Griffin-Hodges Co., contrs., Candler Bldg., Atlanta, Ga.
Griffin, J. M., Biodgett, Miss.
Griffin, John F., & Co., contrs., 15 Exchange, Boston, Mass.
Griffin Lumber Co., Sandy Hill, N. Y.
Griffin Mfg. Co., hardware mfrs., Erie, Pa.
Griffin Mfg. Co. (Shoe Blkg.), 69 Murray St., New York.
Griffin Mfg. Co., 74 W. Lake st., Chicago, Ill.
Griffin Oil Mill Co., Griffin, Ga.
Griffin Roofing Co., 506 W. 26th, New York.
Griffin, W. D., contr., Macon, Ga.
Griffin Wheel Co., U. S. Nat'l Bldg., Denver, Colo.

GRIFFIN WHEEL CO., Wrigley Bldg., Chicago.
Boston, Mass.—200 Devonshire St.
Council Bluffs, Ia.—9th Ave. and 26th St.
Denver, Colo.—228 U. S. National Bank Bldg.
Detroit, Mich.—Beecher Ave. and M. C. R. R.
Los Angeles, Cal.—Huntington Park.
Kansas City—12th St. and Belt Ry. Tracks, Kansas City, Kan.
St. Paul, Minn.—Phalen and Stillwater Aves.
San Francisco, Cal.—334 Rialto Bldg.
Tacoma, Wash.—So. Tacoma, Wash.

Griffith & Boyd Co., fertilizer mfrs., Keyser Bldg., Baltimore, Md.
Griffith & Co., Geo. D., 11 S. La Salle St., Chicago.
Griffith & Sons, Jas., Rescing Rd. and E. 12th St., Cincinnati, O.
Griffith & Turner, 205 N. Paca St., Baltimore, Md
Griffith & Wedge Co., machsts. & fndrs., Zanesville, O.
Griffith, C. A., & Co., advtg. nov., Bellingham, Wash.
Griffith, C. H., cornices & skylights, Bernardsville, N. J.
Griffith Bror. Slate Co., Slatington, Pa.
Griffith Cornice Wks., 2441-5 Indiana Ave., Chicago.
Griffith-Custer Steel Co., archl. iron, steel, etc., Johnstown, Pa.
Griffith, David, granite producer, Penryn, Calif.
Griffith, E. R. & W. M., contractors, West Chester, Pa.
Griffith, E. S., broom corn, 749H Washington, Minneapolis, Minn.
Griffith Foundry Co., The, Griffith, Ind.
Griffith, G. V., & Son, wood handles, Muncie, Ind.
Griffith Hdwe. Co., cornices, Girardville, Pa.
Griffith Lumber Co., Santa Ana, Calif.
Griffith Machine Works, circulating pumps, 1008 Santee, Los Angeles, Calif.
Griffith Mfg. & Supply Co., machsts. & fndrs., Griffith, Ind.
Griffith, T. A., sashes, doors & blinds, 511 N. Hudson, Oklahoma City, Okla.
Griffith Tool Works, 520 Commerce St., Philadelphia, Pa.
Griffith, W. F., & Bro., canned goods, Emmerton, Va.
Griffith, W. J., Heating Co., 244 Sprague, Spokane, Wash.
Griffith, Webster, lumber, Ebensburg, Pa.
Griffith, Wm., roofing slate, Poultney, Vt.
Griffiths & Co., K. F. (Chem.), 81 Fulton St., New York.
Griffiths & Son, James A., 1315 Buttonwood St., Philadelphia, Pa.
Griffiths, A. J., & Son, boiler compounds, 3526 Gtn. av., Philadelphia, Pa.
Griffiths Charcoal Iron Mills, Washington, Pa.
Griffiths, Geo., Co., potato scoops, Cheltenham rd., Philadelphia, Pa.
Griffiths, John, & Son Co., contractors, 112 W. Adams, Chicago, Ill.
Griffiths Machine Works, 22 Clementina, San Francisco, Calif.
Griffitts, T. H., Machine Works, power hammers, mandrels & rubber molds, 20 Clementina, San Francisco, Calif.
Griffoul, A., & Camy, 511 Mulberry, Newark, N. J.
Grigg-Hanna Co., packing box mfrs., 4086 Michigan av., Detroit, Mich.
Griggs, D. B., & Sons, box shooks, Chicopee Falls, Mass.
Griggs, Ichabod N., & Son, masons' & bldrs.' matls., Holland, N. Y.
Griggs Packing Co., meat packers, Roanoke, Va.
Grignon, Geo. F., 407 N. Wells St., Chicago.
Grigsby & Co., fertilizer mfrs., Bardstown, Ky.
Grimes & Harris, machsts. & fndrs., Leominster, Mass.
Grimes Bros., feed, Lexington, N. C.
Grimes Canning & Preserving Co., Grimes, Iowa.
Grimes Co., G. W., Bluffton, Ind.
Grimes, J. O., turpentine distillers, Wilmington, N. C.
Grimes Milling Co., flour, Salisbury, N. C.

GRIMES MOLDING MACHINE CO., 5736 Hastings St., Detroit, Mich.
Pres.—G. L. Grimes.
V. P.—L. V. Grimes.
Sec. & Treas.—F. R. Van Dusen.

Grimes, P. G., jigs, fixtures, gages & small tools, Milford, Conn.
Grimley, Frank J., street cleaning cans & tin linings, 255 Shipley av., San Francisco, Calif.
Grimm, G. H., machst., Rutland, Vt.
Grimm Iron Works, 2431 Spring Grove, Cincinnati, O.
Grimm Mfg. Co., maple sugar evaporators, 3703 E. 93d st., Cleveland, Ohio.
Grimm, P., 284 Front St., New York.
Grimm, Paul (Inc.), 309 Water St., New York
Grinden Art Metal Co., Brooklyn, N. Y.
Grinding Process Tool Co., 820 W. Warren St., Detroit, Mich.

GRINDLE FUEL EQUIPMENT CO., (Subsidiary of Whiting Corp.), 15617 Lathrop Ave., Harvey, Ill. (Chicago Suburb).

Grindol, W. H., & Sons, stone prod., Decatur, Ill.
Grinels, M. P., canned goods, Bushy, Va.
Grinnell Canning Co., Grinnell, Iowa.
Grinnell Clay Products Co., Grinnell, Ia.
Grinnell Company, Inc., Washington St., Providence, R. I.
Grinnell Co., 520 Mateo av., Los Angeles, Calif.
Grinnell Co. of the Pac., plbrs.' pipes & fittings, 453 Mission, San Francisco, Calif.
Grinnell Electric Heater Co., Grinnell, Iowa.
Grinnell Lithographic Co., Inc., 406 W. 31st St., New York, N. Y.
Grinnell Washing Machine Co., Grinnell, Ia.
Grip Nut Company, 5917 S. Western Ave., Chicago.
Grip-Snip Machine Corp., The, Rochester, N. Y.
Grip-Tite Co., belt dressing, New Brunswick, N. J.
Grippin Mfg. Co., Newark, N. Y.

GRISCOM-RUSSELL CO., 90 West, New York.

Branch Offices:	**Minneapolis**
Philadelphia	**St. Louis**
Washington	**Kansas City**
Boston	**Charlotte**
Hartford	**New Orleans**
Rochester	**Houston**
Pittsburgh	**Dallas**
Chicago	**Fort Worth**
Cleveland	**Denver**
Toledo	**Salt Lake City**
Detroit	**San Francisco**
Columbus	**Los Angeles**
Milwaukee	**Seattle**

Grisham, C. S., & Co., flour mills, Newbern, Tenn.
Grismore-Hyman Co., Central Bank Bldg., Memphis, Tenn.
Grissel Cornice Co., J. P., Cedar Rapids, Ia.

GRISWOLD-ESHLEMAN CO., Leader News Bldg., Cleveland, O.

Griswold, Geo. M., Mach. Co., Bradbury & William, New Haven, Conn.
Griswold Lumber Co., Gasco Bldg., Portland, Ore.
Griswold Machine Co., S. M., New Haven, Conn.
Griswold Mfg. Co., Erie, Pa.
Griswold Mfg. Co., machsts., Rock Island, Ill.
Griswold, Richmond & Glock Co., cornices & skylights, Meriden, Conn.
Griswold-Sohl Co., The, 79 N. Front St., Columbus, O.
Griswoldville Mfg. Co., crinoline, Griswoldville, Mass.
Gritzmacher & Johnson, lbr., 112 Market, San Francisco, Calif.
Groah, B. A., Constr. Co., 847 W. North, Pittsburgh, Pa.
Grob Hardware Corporation, 36 Murray St., New York.
Groce, Charles E., meat packer, Circleville, Ohio.
Grodin Bros., scrap rubber, 1684 Columbus rd., Cleveland, Ohio.
Groen Mfg. Co., Inc., 4529-37 Armitage Ave., Chicago.
Groendyke Co., J. C., 608 S. Dearborn St., Chicago.
Groening Bros., flour, Lehigh, Kans.
Groeninger, J. J., Co., cornices, 400 S. 2d, Evansville, Ind.
Groeschel, Jacob, heating contr., 1513 Lloyd, Milwaukee, Wis.
Groetken Pump Co., Aurora, Ill.
Groezingers, G., Son, leather, Lancaster, Pa.
Groff & Weaver, carriages, New Holland, Pa.
Groff, Aaron, carriages, Oakbottom, Pa.
Groff, F. A., & Son, cow milking machines, St. Johnsville, N. Y.
Grogan, Chas. P., canned goods, Los Angeles, Calif.
Grogan Mfg. Co., Gladstell, Tex.
Groll, P. J., Constr. Co., 145 E. 53d, New York.
Groman Bros. (Ltd.), brick, South Bethlehem, Pa.
Grona, A., mattresses, San Antonio, Tex.
Gronborg, C. C., cornices, West New York, N. J.
Gronem Lumber Co., Waterloo, Iowa.
Groner & Rowell Co., lbr., Scholls, Ore.
Grosback, Wm., & Co., archl. iron, 37 Maspeth av., Brooklyn, N. Y.
Groseclose, J. C., flour mills, Crockett, Va.
Grosjean, C. E., Rice Milling Co., 3230 20th, San Francisco, Calif.
Grosklaus, John, & Son, contractors, 299 Old Bergen rd., Jersey City, N. J.
Groskopf Bros., trunk mfrs., Grand Rapids, Mich.
Grosline, W., lumber mfrs., Millers Mills, N. Y.
Gross & Co., A., 90 West St., New York.
Gross Bros., furnaces, 513 E. 8th, Eugene, Ore.
Gross Bros. Mfg. Co., overalls, Galesburg, Ill.
Gross Bros., sashes, doors & blinds, Homeworth, Ohio.
Gross Chandelier Co., 2006 Morgan st., St. Louis, Mo.
Gross Co., agricultural implements, Carroll, Iowa.
Gross, Conrad, carriages, Richmond, Va.
Gross, F. C., & Bros. Co., meat packers, Muskego av., Milwaukee, Wis.
Gross, F. H., cornices & skylights, Washington, Ind.
Gross-Feibel Co., machsts., Hillsboro, Ohio.
Gross, Fred B., & Son, brick, Orland, Me.
Gross, Fred E., & Son, Inc., contrs., Yonkers, N. Y.
Gross, G. V., & Co., essential oils, 30 Old Slip, New York.
Gross, Geo., & Son, pipe brackets, cast iron basins, Rockaway Beach, L. I.
Gross, H. E., & Co., mattresses, 819H Reedsdale, Pittsburgh, Pa.
Gross Mfg. Co., machsts. & brass fndrs., Hazelton, Pa.
Gross, Otto, oils, ore, plumbago, etc., 66 Beaver, New York.

Gross, Philip, Hdwe. Co., 218 3d, Milwaukee, Wis.
Gross Star Gas Iron Co., 763 W. Van Buren st., Chicago, Ill.
Gross, W. H., marble producers, Lee, Mass.
Grossberg, H. T., & Co., mattresses, 4426 N. Central Pk. av., Chicago, Ill.
Grosser Knitting Mach. Co., 248 Broadway, New York.
Grossius Furnace Co., John, 409-11 E. 8th St., Cincinnati, O.
Grosskopf, Fred A., lumber, Pella, Wis.
Grossman & Hooe Saddlery Co., 221 Main, Cincinnati, Ohio.
Grossman Bros. & Rosenbaum, 83 Willow Ave., New York.
Grosswiller Co., J. F., 430 Huron St., Toledo, O.
Grosvenor-Dale Co., cotton sheetings, Grosvenor Bldg., Providence, R. I.
Grotbe, Wm. H., brick, York, Pa.
Grote & Co., Geo. W., 430 E. 102nd St., New York.
Grote, F., & Hubbell Co., mirrors, monograms, buttons, etc., 82 4th av., New York.
Grote Mfg. Co., F., 120 3rd Ave., Evansville, Ind.
Groth & Son, John F., Cedarsburg, Wis.
Groth Cage Fireplace Damper & Heater Co., 1040 S. Broadway, Los Angeles, Calif.
Groth, J. F., & Son, lime, Cedarburg, Wis.
Grothe Co., Inc., John J., Woburn, Mass.
Groton & Lidgerwood Co., steam boilers & valves, 96 Liberty, New York.
Groton Bridge Co., Groton, N. Y.
Groton Electrical Devices, Inc., air drying mach., Groton, N. Y.
Groton Iron Wks., shipbldrs., Noank, Conn.
Groton Leatherboard Co., 16 State, Boston, Mass.
Grove City Brass & Bronze Co., Grove City, Pa.
Grove City College Dept. of Mech. & C. E. Engng. School & Coll., Grove City, Pa.
Grove City Limestone Co., Grove City, Pa.
Grove Feed & Storage Co., flour mills, Elkins, W. Va.
Grove Lime Co., M. J. Stephen City, Va.
Grove Linseed Oil Co., Borse av., Philadelphia, Pa.
Grove, M. J., Lime Co., Lime Kiln, Md.
Groveland Coal Mining Co., McCormick Bldg., Chicago, Ill.
Groveland Mills, woolen flannels, South Groveland, Mass.
Grover Tile Co., The, Nashua, N. H.
Grover, John D., & Son, cattle, plastering & curled hair, Somerset & Tulip, Philadelphia, Pa.
Grover, R. A., handles, dowels, skewers, etc., Andover, Me.
Groves, S. J., & Sons, contrs., 303-306 Globe Bldg., Minneapolis, Minn.
Groveton Paper Co., Inc., Groveton, N. H.
Grow, F. J., lumber, Napoleon, Ind.
Growall, J. P., sash, door & blind, Rockwood, Pa.
Growers' Canning Co., Council Bluffs, Iowa.
Growers' Fertilizer Co., 44 E. Weber st., Stockton, Calif.
Growers' Rice Milling Co., 465 California, San Francisco, Calif.
Grozier, Jas. H., Co., contractors, Hartford, Conn.
Grubb & Kosegarten Bros., fndrs., Nassau, N. Y.
Grubb, Geo. W., sashes, doors & blinds, Greencastle, Ind.
Grubb, Louis D., arch., Register Bldg., Wheeling, W. Va.
Gruber, E. Wm., brick, Ord, Neb.
Gruber, Rupert, & Co., cornices, 541 Sherman, Buffalo, N. Y.
Grueby Faience & Tile Co., Perth Amboy, N. J.
Gruen Watchmakers Guild, Time Hill, Cincinnati, O.
Gruendel, Geo., Mach. Wks., 440 N. Peoria, Chicago, Ill.
Gruendler, A. H., cornices, 1018 Cass av., St. Louis, Mo.

GRUENDLER PATENT CRUSHER & PULVERIZER CO., 982 N. Main St., St. Louis, Mo.

Branch Offices:
ALA.—Birmingham—Brown Marx Bldg.
CALIF.—Los Angeles—308 E. 3rd St.
San Francisco—688 Howard St.
ILL.—Chicago—2557 Wilson Ave.
IND.—Indianapolis—2035 N. Meridian St.
KY.—Louisville—P. O. Box 945.
MINN.—Minneapolis—308 Washington Ave., N.
N. Y.—New York—1269 Broadway.
PA.—Philadelphia—1011 Chestnut St.
Pittsburgh—Arrot Bldg.
TEX.—El Paso—Martin Bldg.
WASH.—Spokane—916 W. Sprague St.

Gruhl Sash & Door Co., 195 Stewart, Milwaukee, Wis.
Gruman Ice Tool Wks., machsts., plows, Branchville, Conn.
Grumb Bros., stone, Lowell, Mass.
Grumbacher, M., 164 Fifth Ave., New York.

GRUNER & BROS. LUMBER CO., PHILIP, 4002 N. Broadway, St. Louis, Mo.

Pres. & Treas.—R. E. Gruner.
V. P.—W. P. Gruner, J. P. Gruner.
Secy.—Emmett Gruner.

Grundy, J. E., & Co., machsts. & fndrs., 82 Sudbury, Boston, Mass.
Grunsky, C. E., Co., engnrs., 57 Post, San Francisco, Calif.
Grupe Drier & Boiler Co., Davenport, Iowa.
Grupe, John P., boilers, Davenport, Iowa.

GRUSS AIR SPRING CO., shock absorbers, 220 9th St., San Francisco, Calif.

Gruwell Machinery Sales Co., 1252 1st av. S., Seattle, Wash.
Guadulpe River Navigation Co., sand & gravel dlrs., Victoria, Tex.
Guantanamo Sugar Co., 129 Front, New York.
Guarantee Co. of N. Am., indemnity bond insurance, 3 S. William, New York.
Guarantee Construction Co., 140 Cedar St., New York.
Guarantee Elec. Co., 646 W. Lake st., Chicago, Ill.
Guarantee Engineering & Mach. Co., air compressors, gas engines, etc., 1001 N. Main, Los Angeles, Calif.
Guarantee Liquid Measure Co., gasoline pumps, Rochester, Pa.
Guarantee Mfg. Co., planing machine knives & saw swages, 2923 1st av. S., Seattle, Wash.
Guarantee Roofing Co., 61 E. 4th, New York.
Guarantee Sheet Metal Wks., 439 E. 23d, New York.
Guarantee Tire & Rubber Co., spark plugs, 211 S. Illinois st., Indianapolis, Ind.
Guaranteed Magneto Parts Co., 210 W. 54th, New York.
Guaranteed Parts, Inc., 100 Cummington St., Boston, Mass.
Guaranty Iron & Steel Co., 3847 W. Lake St., Chicago.
Guardian Gas Appliance Co., gas furnaces & garbage incinerators, 1364 E. 47th st., Cleveland, Ohio.
Guarino Contracting Co., Inc., Mt. Vernon, N. Y.
Guastavina Co., R., 40 Court St., Boston, Mass.
Gubser, Chas., & Son, contrs., 2d & Saratoga, Cincinnati, Ohio.
Gude, O. J., & Co., advtg. signs, 550 W. 57th, New York.
Gudeman & Co., decorative elc. lighting, 30 Irving pl., New York.
Guenscht, L., buttons, 182 Centre, New York.
Guenther, C. H., & Son, flour mills, San Antonio, Tex.
Guenther Hardware Co., Owensboro, Ky.
Guerber Engineering Co., Bethlehem, Pa. (Now Bethlehem Fabricators, Inc.)
Guerin (Inc.), P. E., 21-25 Jane St., New York.
Guernsey Earthenware Co., Cambridge, O.
Guernsey-Westbrook Co., Hartford, Conn.
Guerrier Lumber Co., J. P., Forest, Wash.
Guest & Co., wholesale hdwe., New London, Conn.
Guffin Lumber Co., Sandy Hill, N. Y.
Guggenheim Bros., meat packers, 46th & Packers av., Chicago, Ill.
Gugler Lithographic Co., The, 121 Ogden Ave., Milwaukee, Wis.
Guiberson Corp., oil well specialties, Penna., Dallas, Tex.
Guide Motor Lamp Co., 2130 W. 110th, Cleveland, Ohio.
Guie, Jas., & Sons, paper & pulp mills, Downingtown, Pa.
Guignon, E. E., cornices, Corry, Pa.

GUILD & GARRISON, pump mfrs., 363 Kent Ave., Brooklyn, N. Y.

Guilderland Fdry. Co., Guilderland, N. Y.
Guile & Windnagle, grape baskets, Penn Yan, N. Y.
Guilford & Watersville Granite Co., 10 E. Pleasant St., Baltimore, Md.
Guilford Lbr. Mfg. Co., Greensboro, N. C.
Guilfoy Cornice Works, 1234 Howard st., San Francisco, Calif.

GUILLOTT METAL GASKET & SUPPLY CO., 24 S. Clinton St., Chicago.

Guiterman, Rosenfield & Co., platinum, iridium, sheet alum., 35 S. William, New York.
Gulbransen-Dickinson Co., pianos, 3232 W. Chicago av., Chicago, Ill.
Guldberg, Chris. A., architect, 29 W. 34th, New York.
Gulf Bag Co., 330 Notre Dame, New Orleans, La.
Gulf Boiler Works, Tampa, Fla.
Gulf Chemical Co., Marianna, Fla.
Gulf City Plumbing Co., Mobile, Ala.
Gulf Coast Lumber Co., Mobile, Ala.
Gulf Coast Lumberman, trade publication, Houston, Tex.
Gulf Coast Mill & Cabinet Works, Gulfport, Miss.
Gulf Coast Oil Corporation, 512 Beatty Bldg., Houston, Tex.
Gulf Coast Timber Co., ties, Morgan City, La.
Gulf Cooperage Co., Frick Bldg., Annex, Pittsburgh, Pa.
Gulf Fertilizer Co., Tampa, Fla.
Gulf Galvanized & Metal Works, cornices & skylights, 2845 Magazine, New Orleans, La.
Gulf Granite Co., cut stone, 2614 Washington av., Houston, Tex.
Gulf Iron Works, Tampa, Fla.
Gulf Lbr. Co., Fullerton, La.
Gulf Mach. Wks., Pensacola, Fla.
Gulf Naval Stores Supply Co., flotation oils, Whitney Central Bldg., Los Angeles, Calif.
Gulf Packing Co., canned goods, Biloxi, Miss.
Gulf Paper Mills Co., Crichton, Ala.
Gulf Pipe Line Co., Frick Bldg. Annex, Pittsburgh, Pa.
Gulf Red Cypress Co., Savannah, Ga.
Gulf Refining Co., Frick Bldg., Annex, Pittsburgh, Pa.
Gulf Smokeless Coal Co., Tains, W. Va.
Gulf States Belting & Hose Co., Shreveport, La.
Gulf States Portland Cement Co., Demopolis, Ala.
Gulf States Steel Company, B-M Bldg., Birmingham, Ala.
Gulfport Creosoting Co., Gulfport, Miss.
Gulfport Fertz. Co., Gulfport, Miss.
Gulick-Henderson Co., 145 W. 36th St., New York.
Gulledge Lbr. Co., Mendenhall, Miss.
Gullett Gin Co., Amite City, La.
Gulliver, John W., bldg. contr., 33 Norwood, Portland, Me.
Gulowsen-Grei Engine Co., 27th W. & Commodore Way, Seattle, Wash.
Gum Lumber Ass'n, Memphis, Tenn.
Gumbinsky Bros. Co., cotton waste & wiping rags, 2261 S. Union av., Chicago, Ill.
Gumbinsky, Oscar, & Bros., scrap iron & rubber, Kalamazoo, Mich.
Gumm Aluminum Castings Co., Manitowoc, Wis.
Gummed Products Co., The, Troy, O.
Gummell, Edw. G., contractor, 300 P av. N. W., Washington, D. C.
Gummey, McFarland & Co., tin plate, 147 N. 10th, Philadelphia, Pa.
Gump Co., B. F., 431 S. Clinton St., Chicago.
Gumser, A. W., & Co., willow ware mfrs., Holland, Mich.
Gumz, Herman, Boiler Wks., 7 Greenwood Lake R. R. av., Newark, N. J.
Gunz, R., & Co., meat packers, Muskego av., Milwaukee, Wis.
Gunbelman & Cramer, contrs., Somerville, N. Y.
Gunby, L. W., Co., mill & facty. supplies & cornices, Salisbury, Md.
Gund Mfg. Co., La Crosse, Wis.
Gund Mfg. Co., mechanical toys, 43 E. 79th, New York.
Gunderman, Geo. J., contractors, 722 W. La Salle st., South Bend, Ind.
Gundlach, Chas., cornices, Sandusky, Ohio.
Gundlack-Manhattan Optical Co., 761 Clinton Ave., Rochester, N. Y.
Gundling, B. V., Co., sash, door & blind, West New York, N. J.
Gunkel, Otto F., cornices, 1052 Swinney av., Ft. Wayne, Ind.
Gunlach, P. M., Sons, agricultural implements, Belleville, Ill.
Gunlocke Chair Co., W. H., Wayland, N. Y.
Gunn, Carle & Co., steel merch., 444 Market, San Francisco, Calif.
Gunn, Frederick C., Republic Bldg., Kansas City, Mo.
Gunn Furniture Co., 1820 Broadway, S. W. Grand Rapids, Mich.
Gunnell Manitowoc Shipbldg. Co., Manitowoc, Wis.
Gunning Boiler & Machine Co., steel plate constr. tanks, etc., 85 S. Water st., New Bedford, Mass.
Gunster Bros., plumbers' & steamfitters' supplies & wholesale hdwe., 325 Penn av., Scranton, Pa.
Gunther Bros., common brick, Port Washington, Wis.
Gunther, F. W., Co., canned goods, Racine, Wis.
Gunther Hardware Co., Quincy, Ill.
Gunther Mfg. Co., engine humidifier, 1343 S. Hill, Los Angeles, Calif.
Gunthorp-Warren Printing Co., 132 S. Clark St., Chicago.
Gunzelman & Cramer, contrs., Somerville, N. J.
Gurley, A. L., & Co., corn brooms, Clovis, N. M.
Gurley, W. & L. E., Troy, N. Y.
Gurney, Ansel S., & Co., masons' & bldrs.' matls., Wareham, Mass.
Gurney Ball Bearing Co., 16 Scott St., Jamestown, N. Y.
Gurney Co., D. B., Whitman, Mass.
Gurney Co., elevators, Honesdale, Pa.
Gurney Elevator Co., 300 8th av., New York.
Gurney Heater Mfg. Co., 183 Franklin St., Boston, Mass.
Gurney Refrigerator Co., Ltd., Fond du Lac, Wis.
Guss, E. M., & Sons, whol. hdwe., Mifflin, Pa.
Gussaroff Realty & Constr. Co., 601 W. 149th, New York.
Gussett Boiler Wks., 1140 Marion av., S. W., Canton, O.
Gust, G. W., rural mail boxes, Morenci, Mich.
Gustafson & Scott Mfg. Co., 4325 Wabansia Ave., Chicago.
Gustafson Co., C. A., 538 S. Clark St., Chicago.
Gustafson, J. H., leaded glass, Rochester, N. Y.
Gustafson Mfg. Co., 211 W. 26th St., Chattanooga, Tenn.
Gustave Lidseen Co., pump oilers, Chicago, Ill.
Gustaveson, P., machsts., Chehalis, Wash.

GUSTIN-BACON MANUFACTURING CO., 1416-18 W. 12th St., Kansas City, Mo.

Pres.—A. L. Gustin.
1st V. P.—Geo. T. Cook.
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Fred C. Fuller, G. R. Miller, J. S. Hearons.
Philadelphia, Pa.—1021 Filbert St., F. L. Bacon, Fred Speer, D. H. Morgan.
Tulsa, Okla.—109 S. Cincinnati St., N. M. Grove.

Gustin, N., & Son, machsts., Johnstown, N. Y.
Guth Co., The Edwin F., 2615-25 Washington Ave., St. Louis, Mo.
Guth Gate Co., Waverly, Ohio.
Guthrie & Co., A., St. Paul, Minn.
Guthrie, B. B., lumber, Carbon Hill, Ala.
Guthrie Mill & Elevator Co., Guthrie, Okla.
Guthrie-Thompson Co., contrs., 10 E. Market, Indianapolis, Ind.
Gutlius, Jno., & Son, carriages, Mifflinburg, Pa.
Gutmann & Co., Ferdinand, 55 5th Ave., New York.
Gutmann & Co., leather, 1511 Webster av., Chicago, Ill.
Gutmann, Ferdinand, Co., bottle sealing machs., 134 W. 29th, New York.
Gutmann Store Fixture Co., 1510-16 S. Wabash Ave., Chicago.
Gutradt Co., Jos., soap, 356 Fremont Ave., San Francisco, Calif.
Gutta Percha & Rubber Mfg. Co., 350 Madison av., New York.
Guttenberg Canning Co., Guttenberg, Iowa.
Gutterson & Gould, scrap iron, Lawrence, Mass.
Guttmann, Paul H., & Co., contractors, 1536 N. Gay, Baltimore, Md.
Guy & McClintock Co., contrs., Oak Park, Ill.
Guy Furn. Co., 10 Austin, Worcester, Mass.
Guyan Lbr. Co., Herndon, W. Va.
Guyan Mach. Shops, armature coils, oxy-acetylene welding, etc., Logan, W. Va.
Guyton & Cumfer Mfg. Co., 4451 Fillmore St., Chicago.
Gwathmey Mfg. Co., Inc., machsts. & fndrs., Harrisonville, Mo.

GWILLIAM COMPANY, THE, 23 Flatbush Ave., Brooklyn, N. Y.

GWILLIAM SUPPLY CO., 915 N. Front St., Philadelphia, Pa.

Gwin-Flex Stretcher Co., hospital stretchers, 1715 Folsom av., San Francisco, Calif.
Gwinn Bros. & Co., flour mills, 10th & 2d av., Huntington, W. Va.
Gwynn, Jas., Burner & Engineering Co., Empire Bldg., Pittsburgh, Pa.
Gwynn-Bacon Vulcanizer Co., 3216 Morgan, St. Louis, Mo.
Gwynn Engineering Co., Union Arcade, Pittsburgh, Pa.
Gwynn Island Fish & Oyster Co., canned, Grimstead, Va.
Gyllenberg, J. A., mach. & fndr., Baker, Ore.
Gypsite Fireproofing Co., 1462 Penobscot Bldg., Detroit, Mich.
Gypsum Canning Co., Port Clinton, Ohio.
Gypsum Fireproofing Co., 205 W. Monroe, Chicago, Ill.
Gypsum Industries, The, 844 Rush St., Chicago.
Gypsy Oil Co., gasoline, H. Frick Bldg. Annex, Pittsburgh, Pa.
Gyro Motor Co., 744 Girard, N. W., Washington, D. C.
H-O Cereal Co., oatmeal, feed, etc., 54 Fulton, Buffalo, N. Y.
H. C. S. Motor Car Co., 14th & Capital av., Indianapolis, Ind.
H. C. Tack Co., Cleveland, Ohio.
H. K. H. Silk Co., Watertown, Conn.
H. K. Toy & Henley Skate Co., toys, elec. motors, etc., Dept. H, Richmond, Ind.
H. L. G. Manufacturing Co., 29th & Canal Sts., Indianapolis, Ind.
H. O. B. Mfg. Co., Indianapolis, Ind.
H. P. Company, The, Midland, Mich.
H. P. Co., abrasive wheel trueing devices, 813 Dime Bank Bldg., Detroit, Mich.
H. R. L. Motor Co., autos & piston pins, 3301 1st av. S., Seattle, Wash.
H. R. Manufacturing Co., 1926 S. Wabash Ave., Chicago.
H. S. B. W. Cochrane Corp., 17th St., & Allegheny Ave., Philadelphia, Pa.
H. S. Motor Co., 910 O'Farrell av., San Francisco, Calif.
H. & A. Lock Co., 243 44th St., Brooklyn, N. Y.
H. & B. American Machinery Co., cotton machy., Pawtucket, R. I.
H. & B. Construction Co., Elkhart, Ind.
H. & K. Specialty Co., china & asbestos cements & water glass, Dept. H, Lynbrook, N. Y.
H. & L. Mfg. Co., carbon brushes & magneto parts, 300 Broadway, New York.
H. & N. Carburetor Co., 1675 Broadway, New York.
H. & T. Constr. Co., 105 W. 40th, New York.
Haag, A. W., & Co., bucket & freight elevators, air tanks, clothes washing, chroming & dyeing machy., Reading, Pa.
Haag Bros. Co., clothes washing machs., Peoria, Ill.
Haag's Cutting Die Wks., glove machy., Gloversville, N. Y.
Haak, Wm., Jr., mill & facty. supplies, Madison, Wis.
Haaker, W., Co., canned goods, 182 Franklin, New York.
Haarmann & Co., G., Holyoke, Mass.
Haas & Hohmann, cornices & skylights, Kaukauna, Wis.
Haas Bros., quicksilver, 120 Broadway, New York.
Haas Bros., 3rd and Channel, San Francisco, Cal.
Haas Co., Philip, 123 Webster St., Dayton, O.
Haas Electric & Mfg. Co., The, R. Springfield, Ill.
Haas Electrical Sales Co., lighting fixtures, 638 Huron, Cleveland, Ohio.

H

Haas, G. M., ornamental iron, Union Hill, N. J.
Haas, Harvey B., machst. & fndr., East Greenville, Pa.
Haas, Morris, cornices & skylights, 1817 Mary, Pittsburgh, Pa.
Haas, R., Elec. & Mfg. Co., transformers, Springfield, Ill.
Habenicht & Howlett, plate glass, 525 Clay, San Francisco, Calif.
Haber, C. A., architect, Monadnock Bldg., San Francisco, Calif.
Haberer & Co., carriage & wagon bodies & seats, Gest & Summer, Cincinnati, Ohio.
Haberer, Felix H., architect, 1510 High, Utica, N. Y.
Haberkamp, Wm., Mach. Wks., 442 Wells, Chicago, Ill.
Haberkorn & Co., C. H., 393 W. Elizabeth, Detroit, Mich.
Haberkorn & Wood, 620 E. Hancock Ave., Detroit, Mich.
Haberkorn, J. H. A., Co., contrs., 2436 14th, Detroit, Mich.
Haberle, J. B., machinist, 311 Hydraulic, South Bend, Ind.
Haberman Hardware Co., Marion, Ohio.
Habhegger, Fred, brick, Wrenshall, Minn.
Habig, Geo., iron, 2819 Stanford av., Los Angeles, Calif.
Habirshaw Electric Cable Co., Inc., Yonkers, N. Y.
Hachmeister-Lind Chemical Co., Island & Leonard, Pittsburgh, Pa.
Hack, W. C., & Sons Hdwe. Co., Shamokin, Pa.
Hacke, H. C., soda ash, 244 California, San Francisco, Calif.
Hackendahl & Schmidt Co., machts., 16th & Canal, Milwaukee, Wis.
Hackensack Brick Co., Hackensack, N. J.
Hackensack Coal & Lumber Co., Hackensack, N. J.
Hacker, C., Co., sash, door & blind mfrs., Joliet, Ill.
Hacker Mfg. Co., machsts., 320 S. Honore st., Chicago, Ill.
Hackett Brass Foundry, castings, 242 Lillibridge, Detroit, Mich.
Hackett-Garsand, Inc., Whitney Central Bldg., New Orleans, La.
Hackett-Gates-Hurty Co., 4th & Rosabel Sts., St. Paul, Minn.
Hackett, L. K., & Co., canned goods, Finchville, Md.
Hackett Motor Car Co., Jackson, Mich.
Hackett, P., Hardware Co., Ogdensburgh, N. Y.
Hackley, A. C., lumber mfrs., West Winfield, N. Y.
Hackley, P. B., Equipment Co., agricultural impls., 625 Market, San Francisco, Calif.
Hackman, Klehfoth & Co., masons' & bldrs.' matls., Richmond, Ind.
Hackner, E., Co., church furniture, La Crosse, Wis.
Hackney Mfg. Co., agricultural implements, St. Paul, Minn.
Hackney Ventilating Co., blowers, Prior & University, St. Paul, Minn.
Hackney Wagon Co., Wilson, N. C.
Hackwell, E. A., & Co., lbr., 20 Haskfeld rd., Worcester, Mass.
Hadden Automatic Sprinkler Co., 934 Maple av., Los Angeles, Calif.
Haddock, Taliferro & Co., turpentine, Damascus, Ga.
Haddock, Wm. D., & Co., contrs., Wilmington, Del.
Haddon Bin Label Co., Haddon Heights, N. J.
Haddorff Piano Co., Rockford, Ill.
Haden, W. D., Galveston, Tex.
Hadesty, J. M., & Son, gas tapping machs., Tamaqua, Pa.

HADFIELD-PENFIELD STEEL CO., THE, Bucyrus, O.
Chicago—1619 Conway Bldg.
New York—2601 Singer Bldg.

Hadley, Chas. R., Co., loose leaf binders, 330 N. Los Angeles, Los, Angeles, Calif.
Hadley-Dean Glass Co., 1101 Lucas, St. Louis, Mo.
Hadlock & Co., W. E., 136 State St., Boston, Mass.
Hadsell Bros. Co., lumber mfrs., Worcester, N. Y.
Haeberle Lumber Co., sash, door & blind, Niagara Falls, N. Y.
Haeger Brick & Tile Co., Coal City, Ill.
Haenichen Bros. Silk Co., umbrella cloth, Paterson, N. J.
Haese Electric Co., Punxsutawney, Pa.
Haeseler, A. M., Bldg. & Contr. Co., 6369 Wydown, St. Louis, Mo.
Haeussler, A. F., 7047 Lindell, St. Louis, Mo.
Hafer, C., Lumber Co., Council Bluffs, Iowa.
Hafer, J. D., cornices & skylights, Reading, Pa.
Hafers, Chris., Iron Wks., archl. iron, 407 W. 37th, New York.
Hafker, Bryan, archl. iron, 73 N. Portland av., Brooklyn, N. Y.

HAFNER MFG. CO., 79 Dock St., St. Louis, Mo.
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V. P.—J. A. Hafner.
Sec.—J. A. Hafner, Jr.

Hafner Mfg. Co., The, 3128 Carroll Ave., Chicago.
Haffner Bros. Co., harness leather, 1130 Hopple, C. W., Cincinnati, Ohio.
Haffner, Chas., cornices & skylights, Burlington, Iowa.
Hafleigh & Co., case hardening compounds, Cambria & N. America, Philadelphia, Pa.
Haftenkamp, G., cornices, 34th & Prospect av., Kansas City, Mo.
Hagan & Co., John, Stonington, Me.
Hagan & Co., cornices & skylights, 310 11th, Huntington, W. Va.
Hagan & Cushing, meat, Moscow, Idaho.
Hagan Company, George J., Chamber of Commerce Bldg., Pittsburgh, Pa.
Hagan Corporation, The, Pittsburgh, Pa.
Hagan, G. W., turpentine, Iron City, Ga.
Hagan Gas Engine Mfg. Co., Winchester, Ky.
Hagan, Jas. A., stone, 1620 S. Laramie av., Chicago, Ill.
Hagan, John, & Co., stone, Comly Ab. Del., Philadelphia, Pa.
Hagan, L. T., belt shifters, Winchester, Ky.
Hagans & Isleman, flour mills, Cameron, W. Va.
Hagar Hardware & Paint Co., Burlington, Vt.
Hagar Straw Board Paper Co., Xenia, Ohio.
Hagelberg, W., Inc., wall pockets, 514 Broadway, New York.
Hageman-Castle Corp., railway supplies, 80 E. Jackson blvd., Chicago, Ill.
Hagemann Glass Co., The, 824 Wade St., Cincinnati, O.

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Hagemeyer Trading Co., Inc., 17 Battery Place, New York.
Hagen Lbr. Co., 251 Hickory, Scranton, Pa.
Hager & Sons Co., Edw. M., 141 Elm St., Buffalo, New York.
Hager & Sons Hinge Mfg. Co., C., 2447 Dekalb St., St. Louis, Mo.
Hagerstown Bearing Metal Co., brass castings, etc., Dept. H, Hagerstown, Md.
Hagerstown Fdry. & Machine Co., castings, Hagerstown, Md.
Hagerstown Furn. Co., Dept. H, Hagerstown, Md.
Hagerstown Heating Co., Hagerstown, Md.
Hagerstown Lounge Co., Dept. H, furn., Hagerstown, Md.
Hagerstown Mantel & Furniture Co., bank fix., Hagerstown, Md.
Hagerstown Metal & Refining Co., brass castings, Hagerstown, Md.
Hagerstown Shoe & Legging Co., Hagerstown, Md.
Hagerstown Table Wks., Hagerstown, Md.
Hagerty Brothers Co., Peoria, Ill.
Hagerty Bros. & Co., chemical glassware, 10 Platt, New York.
Haggard & Marcusson Co., 1109 W. 37th St., Chicago.
Haggerty, John, 1815 Dime Bank Bldg., Detroit, Mich.
Haggerty Refining Co., 50 South St., New York.
Hagglund, H. E., mop sticks & holders, 410 W. Elm, Chicago, Ill.
Hagstedt, Chas., arc flaming lamps, 210 E. 54th, New York.
Hagstoz & Son, T. B., 709 Samson St., Philadelphia, Pa.
Hagstrom, A. G., maps, 116 Nassau, New York.
Hague Box & Lumber Co., Tacoma, Wash.
Hague, Walter E., & Son, electro plating, Barker pl., Pittsburgh, Pa.
Hagy & Sons, Clayton L., 16th & Carpenter St., Philadelphia.
Hagy Wagon Co., J. A., Abingdon, Va.

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V. P. & G. M.—J. Milton Hagy.
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Pittsburgh, Pa.—407 Bessemer Bldg., T. B. Clark.
St. Louis, Mo.—Frisco Bldg., Miller Clinch & Co.
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San Francisco, Calif.—603 Mission St., Gifford & Price.

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Hahn, Alfred A., architect, Close Realty Bldg., Toledo, Ohio.
Hahn, Arthur W., brushes, 199 Lafayette, New York.
Hahn, Chas., Lewiston, Idaho.
Hahn Co., mech. engrs., Perryman, Md.
Hahn, Granville, Walnutport, Pa.
Hahn, Harry W., Mfg. Co., dies, models, special machy., etc., 629 S. San Pedro, Los Angeles, Calif.
Hahn, J. F., Lancaster, Pa.
Hahn, J. N. Co., corrugated paper boxes, Cuyahoga & W. 3d, Cleveland, Ohio.
Hahn Machine & Specialty Co., 1168 Farnsworth Ave., Detroit, Mich.
Hahn Mfg. Co., jigs & fixtures, 5332 Hamilton av., Cleveland, Ohio.
Hahn, Max, Packing Co., meat, Dallas, Tex.
Hahn Motor Truck & Wagon Co., Hamburg, Pa.
Hahne, Frank, cornices & skylights, Savannah, Ga.
Haibach Contracting Co., 1261 N. 26th, Philadelphia, Pa.
Haigermoser, Jos., archl. modelers, 7743 Canfield av., Detroit, Mich.
Haigh, Jos., & Sons Co., contractors, 140 S. Dearborn, Chicago, Ill.
Hailey, C. M., lbr., Ontario, Va.
Hain, G. E., Co., cornices & skylights, Fremont, Mich.
Hain, Geo. M., carriages, Reading, Pa.
Hain, Wm. T., cornices & skylights, Reading, Pa.
Haines & Co., William S., 12th and Buttonwood Sts. Philadelphia, Pa.
Haines, A., cornices, 100 Fulton, Brooklyn, N. Y.

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Treas.—E. F. Haines.

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Haines, Jones & Cadbury Co., plumbers', mill & facty. supplies, jobbers, machsts. & fndrs., 1136 Ridge av., Philadelphia, Pa.
Haines, Jones & Cadbury Co., 857 Folsom, San Francisco, Calif.
Haines, Jos. H., & Sons, fertilizer mfrs., Medford, N. J.
Haines Mfg. Co., auto accessories for Fords, 104 South av., Rochester, N. Y.
Haines Lumber Co., No. Tonawanda, N. Y.
Haines, O. J., & Son, cornices, East St. Louis, Ill.
Haines, W. W., Tanning Co., leather, Everett, Wash.
Hainesport Mining & Transportation Co., sand, gravel & crushed stone, Beach & Berks, Philadelphia, Pa.
Haire, James A., machst. & fndr., Weyauwega, Wis.
Haisler Bros. Co., brooms, brushes, 740 N. Franklin, Chicago, Ill.

HAISS MFG. CO., INC., THE, GEORGE, 369 Rider Ave., New York.

Hak, Anton, pearl buttons, West Willington, Conn.
Hakemeyer Mach. Co., Paterson, N. J.
Hakes, H. W., Mfg. Co., textile machy., supplies, etc., Millbury, Mass.
Hakill-Hunter Co., hardware—wholesale, 35 Terminal Way, Pittsburgh, Pa.
Halaburt & Co., H. J., 14 E. Jackson Blvd., Chicago.
Haladay Motor Car Co., Mansfield, Ohio.
Halback, C. E., & Co., arch. iron, 189 Banker, Brooklyn, N. Y.
Halbert, Geo. & W., 33 Lafayette Ave., Brooklyn, New York.
Halcomb & Davidson, 149 Broadway, New York.
Halcomb Steel Co., 401 Canal St., New York.
Halcomb Steel Co., Geddes St., Syracuse, N. Y.
Hald Blow Pipe Co., Emil, 84 Oak St., Brooklyn, N. Y.
Haldeman, Mell O., Co., Inc., 1506 Santa Fe av., Los Angeles, Calif.
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Haldy Marble & Granite Wks., stone producers, Lancaster, Pa.
Hale & Kelsey, steam fitters' supplies, Middletown, Conn.
Hale-Boardman, John M., Inc., shoe pegs & tooth picks, 120 Liberty, N. Y.
Hale Bros. Co., brass & jack chains, 42 Lagrange, Worcester, Mass.
Hale Buggy Mfg. Co., carriages, Anniston, Ala.
Hale, Chas., & Bros., leather, 339 N. 3d, Philadelphia, Pa.
Hale Co., furniture, 68H William, New York.
Hale, F. E. Mfg. Co., book cases, Herkimer, N. Y.
Hale Fire Pump Co., Conshohocken, Pa.
Hale Gas Co, natural gas valve, Neodesha, Kans.
Hale, Geo. C., steel bames, ladders, Kansas City, Mo.
Hale, J. H., & Son, flour mills, Litton, Tenn.
Hale, Jno., & Sons, buckwheat flour, Lyons, Mich.

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London, Eng.—Caxton House, Westminster, G. D. Peters & Co., Ltd.
Los Angeles, Calif.—320 South San Pedro St., Chris Eccles.
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Halifax Paper Corp., Roanoke Rapids, N. C.
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Hall & Donahue Coffin Co., 303 Market, Knoxville, Tenn.
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Hall & Knight Hdwe. Co., Lewiston, Me.
Hall & Logan Lumber Co., Morton, Miss.
Hall & McChesney, Inc., 410 S. Franklin St., Syracuse, N. Y.
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Hall & Torrey, mill & facty. supplies, Rockland, Mass.
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Hall Bros. Cedar Co., Jacksonville, Tex.
Hall Bros., carriages, Jacksonville, Ill.
Hall Bros., dock bldrs., Gloucester, Mass.
Hall Bros. Co., Lincoln, Neb.
Hall Bros. Co., churns, West Acton, Mass.
Hall Bros. Marine Ry. Co., 312 California, San Francisco, Calif.
Hall, C. F., Milling Co., lbr., Standish, Mich.
Hall, C. R., Lumber Co., Edwards Bldg., Cincinnati, O.
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Hall Co., J. C., 68 W. Exchange St., Providence, R. I.
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Hall-Crawford Contrg. Co., see Crawford Morrow Co.
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Hall, Mackay Construction Co., 625 Locust, St. Louis, Mo.
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Hall Switch & Signal Co., machsts., Garwood, N. J.
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Halliwell-Waters & Co., Inc. (Cork Products), 461 8th Ave., New York.
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Halloran & Golcher, Sharon Bldg., San Francisco, Cal.
Halloran, Thos., fndrs., 890 Metropolitan Ave., Brooklyn, N. Y.
Halloren, J., Lumber Co., Ottawa, Kan.
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Hals, John, lbr., Florence, Wash.
Halsall, Geo., boiler compounds, Jamestown, N. Y.
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Halsey Lbr. Co., Charleston, S. C.
Halstead & Co., 1129 Cherry St., Philadelphia, Pa.
Halstead, J. N., Lumber Co., Brazil, Ind.
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Halstead Specialties Co., lubricating oils, 503 Market, San Francisco, Calif.
Halstead Wire Co., Rome, N. Y.
Halsted & Co., machsts. & fndrs., 1129 Cherry, Phila., Pa.
Halsted, E. S., & Co., bags, burlap, 64 Pearl, New York.
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Halton's Sons, Thos., Oxford Bldg., Philadelphia, Pa.
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Hamblet, Geo. W., Lawrence, Mass.
Hamblet Hardware Co., Peabody, Mass.
Hamblet Machine Co., Lawrence, Mass.
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Hamburg Boiler Works, Hamburg, Berks Co., Pa.
Hamburg Broom Wks., Hamburg, Pa.
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Hamburg Canning Co., Hamburg, New York.
Hamburg Knitting Mills, sweaters, cardigans, etc., 685 Park av., Brooklyn, N. Y.
Humburg Lumber Co., Hamburg, Ark.
Hamburg Lbr. Co., Lemonville, Texas.
Hamburg Planing Mill Co., Hamburg, N. Y.
Hamburg Plow Wks., Hamburg, Pa.
Hamburger Cotton Mills, Columbus, Ga.
Hamburger, E., & Co., mfrs. interior hardwood wk., 139 Emerson pl., Brooklyn, N. Y.
Hamburger, Geo., Tool & Supply Co., mill & fcty. supps., 1253 Pearl st., Denver, Colo.
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Hamill, Alex., Iron Wks., machsts., 426 Montgomery, Jersey City, N. J.
Hamill Co., D. L., 60 Delaware Ave., Buffalo, N. Y.
Hamill Co., R. H., Huntington, W. Va.
Hamill Spinning Co., Lena bl. Church La., Philadelphia, Pa.
Hamilton, A. R., & Co., coal mine, Commonwealth bldg., Pittsburgh, Pa.
Hamilton, Alfred O., furnaces, 820 E. 43d, Chicago, Ill.
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Hamilton & De Loss, Inc., Bridgeport, Conn.
Hamilton & Hamilton, cornices & skylights, Oskaloosa, Iowa.
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Hamilton & Hansell, Inc., Park Row Bldg., New York.
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Hamilton & Sons Car Co., Wm., Newark, O.
Hamilton & Sons, W. C., William Penn, Pa.
Hamilton Autographic Register Co., Hamilton, O.
Hamilton Bank Note Co., 142 Adams St., Brooklyn, N. Y.
Hamilton-Beach Mfg. Co., Racine, Wis.
Hamilton Brick Co., Hamilton, O.
Hamilton Bros. Co., see U. S. Bobbin & Shuttle Co. (successors).
Hamilton, C. E., contrs., Lockland E. of Woodson, St. Louis, Mo.
Hamilton, C. J., & Son, machsts. & fndrs., Plymouth, Mich.
Hamilton Card & Paper House, Inc., 27 Greene St., New York.

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Hamilton Constr. Co., Hamilton, Ohio.
Hamilton Copper & Brass Works, Hamilton, O.
Hamilton Corp., speedometer mfrs., Lancaster, Pa.
Hamilton Cotton Oil Mill, Hamilton, Tex.
Hamilton-Day Mfg. Co., Racine, Wis.
Hamilton, E. N., 4212 8th av. N. W.
Hamilton Emery & Corundum Co., Chester, Mass.
Hamilton, F. B., architect, City Hall, Kansas City, Mo.
Hamilton Fdry. & Mach. Co., Hamilton, O.
Hamilton Furnace Company, Hamilton, O.
Hamilton, G. H., Mfg. Co., canvas gloves, etc., Beaver, Pa.
Hamilton, Geo., jewelers' rolls, 144 Pine, Providence, R. I.
Hamilton, Geo. A., architect, Jefferson Co. Bk. bldg., Watertown, N. Y.
Hamilton Hdwe. Co., whol. hdwe., 74 Cortlandt, New York.
Hamilton Hardware Corp., mill & factory supplies, builders' hardware & sporting goods, wholesale, Waterbury, Conn.
Hamilton Hosiery Mills, sweaters, cardigans, etc., Hamilton, N. Y.
Hamilton, J. A., & Sons, lumber, Conyers, Ga.
Hamilton, J. E., lbr., Anacortes, Wash.
Hamilton, J. H., & Co., tapes, braids, 25 White, New York.
Hamilton, J. M., stone producers, Marion, Ohio.
Hamilton, J. T. & A., glass bottles, 26th & A. V. R. R., Pittsburgh, Pa.
Hamilton, Jas. M., packing box mfrs., Chester, Pa.
Hamilton, John, Brass Wks., fndrs., 152 Middl., Bridgeport, Conn.
Hamilton, Joseph H. (Est. of), stone producers, Lowell, Mich.
Hamilton-Low Co., dish washing & knife cleaning machy., 62 Van Winkle av., Jersey City, N. J.
Hamilton Lumber & Mfg. Co., Paterson, N. J.
Hamilton Lbr. Co., J. S., Lumbermen's Bldg., Portland, Ore.
Hamilton Machine Tool Co., The, Hamilton, O.
Hamilton Mfg. Co., tickings, 77 Franklin, Boston, Mass.
Hamilton Mfg. Co., Anderson, Ind. (Now Forse Mfg. Co.)
Hamilton Mfg. Co., Two Rivers, Wis.
Hamilton Metal Products Co., graters, Hamilton, Ohio.
Hamilton Motor Car Co., York, Pa.
Hamilton Motors Co., Grand Haven, Mich.
Hamilton Organ Co., Chicago Heights, Ill.
Hamilton, Otto, Coke Co., ammonia & tar mfrs., Hamilton, Ohio.
Hamilton-Parker Fuel & Supply Co., masons' & bldrs.' matls., 491 Kilbourne, Columbus, Ohio.
Hamilton, R. A., flour, Beaver Creek, N. C.
Hamilton Rubber Mfg. Co., 1229 S. Michigan, Chicago, Ill.
Hamilton Rubber Mfg. Co., Mead & Prince St., Trenton, N. J.
Hamilton Sheet Metal Co., safe deposit boxes, Hamilton, Ohio.
Hamilton Smithing & Mfg. Co., dumping wagons, Hamilton, O.
Hamilton Supply Co., mill & facty. supplies, Hamilton, Ohio.
Hamilton, Thomas H., architect, 11 N. 2d st., Harrisburg, Pa.
Hamilton Watch Co., 906 Columbia Ave., Lancaster, Pa.
Hamilton Web Co., cotton webbing, woven labels, Hamilton, R. I.
Hamilton Welding Mfg. Co., Hamilton, O.
Hamilton's Son Co., Thos., 1340-52 E. Berks St., Philadelphia, Pa.
Hamlen, J. H., & Son, lbr. & shooks, Masonic bldg., Portland, Me.
Hamler Boiler & Tank Co., 6025 W. 66th St., Chicago.
Hamlet Mills, cotton batting, Otter River, Mass.
Hamlin & Emery Brass Co., 49 Island St., Boston, Mass.
Hamlin & Morrison, chemical engrs., 119 S. 4th, Phila., Pa.
Hamlin & Russell Mfg. Co., Worcester, Mass.
Hamlin & Son, J. H., Little Rock, Ark.
Hamlin, E. F., Brass Co., Union, N. H.
Hamlin Supply Co., Newton, Kans.
Hamm, C. E., contractor, Warren, Pa.
Hamm, M., Co., fertilizer, Washington C. H., Ohio.
Hammacher, Schlemmer & Co., 133 4th Ave., New York.
Hammann, Wm., ventg. caps, 1057 5th, Milwaukee, Wis.
Hammann Slate Co., Bangor, Pa.
Hammant & Shoop, machsts. & fndrs., Vassar, Mich.
Hammel Oil Burner Co., 640 N. Main St., Los Angeles, Calif.
Hammel, Riglander & Co., watch crystals, 209 W. 14th, New York.
Hammer & Co., (now Malleable Iron Fittings Co.), Brandford, Conn.
Hammer-Bray Co., stoves & ranges, 26th av. & E. 12th, Oakland, Calif.
Hammer Bros., White Lead Co., E. St. Louis, Ill.
Hammer Dry Plate Co., Ohio av. & Miami, St. Louis, Mo.
Hammer, H. H., machinist, Red Bluff, Calif.
Hammer Iron Wks., Fort Smith, Ark.
Hammer Lumber Co., Drexel Bldg., Philadelphia, Pa.
Hammer, Thos. B., lumber, Drexel bldg., Philadelphia, Pa.
Hammermill Paper Co., Erie, Pa.

HAMMERSMITH ENGRAVING CO., 501 S. Dearborn St., Chicago.

Pres.—Paul Hammersmith, Milwaukee, Wis.
V. P.—Carl Hammersmith, Naperville, Ill.
Sec.—Silas Kortmeyer, Milwaukee, Wis.
Treas.—Benjamin Kortmeyer, Chicago.
Gen. Mgr.—Benj. Kortmeyer.

Hammett, H. G., (Loco. Specialties), Troy, N. Y.

HAMMETT CO., J. L., school supplies mfrs., Kendall sq., Cambridge, Mass.

Hammill & Gillespie, 240 Front St., New York.
Hammill, A., fndrs., Beloit, Wis.
Hammill Iron Wks., Alex., Jersey City, N. J.
Hammon Coupler Co., The, Mt. Vernon, O.
Hammond & Freeman, brick, Dutchess Junction, N. Y.
Hammond & Irving, forgings & steel, Auburn, N. Y.
Hammond & Son, C., Ogontz, Pa.
Hammond Asphalt Products Co., paints, Hammond, Ind.
Hammond Bedding Co., cotton felt mattresses, Hammond, Ind.
Hammond, Benj., fertilizers, paints, shingle stains, etc., mfrs., Beacon, N. Y.
Hammond Brass Works, Hammond, Ind.
Hammond-Byrd Iron Co. (Dealers), Birmingham, Ala.
Hammond, C., & Son, machsts., Ogontz, Pa.
Hammond, C. S., & Co., maps, 30 Church, New York.
Hammond Co., Edw. J., 79 Milk St., Boston, Mass.
Hammond Co., G. H., 307 Greenwich, New York.
Hammond Company, W. A., 112 Market St., San Francisco, Calif.
Hammond Cornice Wks., Hammond, Ind.
Hammond, E. L., & Son, files, key rings, Sayre, Pa.
Hammond Engng. Co., vacuum dryers, etc., Warren, Pa.
Hammond Firebrick Co., Fairmont, W. Va.
Hammond, G. H., Co., meat packers, Union Stock Yards, Chicago, Ill.
Hammond Glue Co., Hammond, Ind.
Hammond Hardware & Supply Co., Ltd., Hammond, La.
Hammond Heating Co., 130 E. Pearl, Cincinnati, Ohio.
Hammond-Homberger Co., Silver Creek, N. Y.

HAMMOND IRON WORKS, Warren, Pa.

Branch Office:
New York, 2728 Whitehall Bldg., 17 Battery Pl.

Hammond, J. W., machst., Fredonia, N. Y.
Hammond, Knowlton & Co., silk thread, Putnam, Conn.
Hammond Lumber Co., Van Buren, Me.
Hammond Lumber Co., 260 California, San Francisco, Calif.
Hammond Lumber Co., Hammond, La.
Hammond Mach. Co., Haverhill, Mass.
Hammond Mach. & Forge Wks., steel struct. wk., Hammond, Ind.
Hammond Malleable Iron Co., Hammond, Ind.
Hammond Mfg. Co., 6545 Carnegie Ave., Cleveland, O.
Hammond Mfg. Co., mill & facty. supplies, 54 1st St., Portland, Ore.
Hammond Packing Co., meat, Cheyenne, Wyo.
Hammond Packing Co., machsts. & fndrs., St. Joseph, Mo.
Hammond Process Co., paints, Norwich, Conn.
Hammond Sheet Metal Mfg. Co., 119 Cass av., St. Louis, Mo.
Hammond Specialty Co., Hammond, Ind.
Hammond Typewriter Co., 537 E. 69th St., New York.
Hammons Land & Lbr. Co., Stuttgart, Ark.
Hampden Brass Co., Springfield, Mass.
Hampden Cornice Wks., Springfield, Mass.
Hampden Grinding Wheel Co., Fisk Ave., Springfield, Mass.
Hampden Glazed Paper & Card Co., Holyoke, Mass.
Hampden Lumber Co., 850 State St., Springfield, Mass.
Hampden Mfg. Co., hooks, tacks, fasteners, 17 Warren, New York.
Hampden Paint & Chemical Co., 317 Main St., Springfield, Mass.
Hampden Toy Co., The, Westfield, Mass.
Hampden Watch Co., Dueber Heights, 6th S. W., Canton, Ohio.
Hamper & Basket Mfg. Co., fruit & vegetable packages, Bridgeton, N. J.
Hampshire Mfg. Co., spark plugs, Hatfield, Mass.
Hampshire Paper Co., South Hadley Falls, Mass.
Hampshire Pearl Button Co., Amsterdam, N. Y.
Hampshire Pottery Co., Keene, N. H.
Hampshire Slate Co., Fair Haven, Vt.
Hampstead Fertilizer Co., Hampstead, Md.
Hampton & Branchville R. R. Lbr. Co., Hampton, S. C.
Hampton Electric & Mfg. Co., machy. dlrs., 525 Howard, San Francisco, Calif.
Hampton Guano Co., fertilizer mfrs., Norfolk, Va.
Hampton, J. H., Buggy Co., Leaksville, N. C.
Hampton-Kelley Canning Co., Hampton, Ia.
Hampton Lumber Co., Omaha, Neb.
Hampton Lumber Co., Southampton, N. Y.
Hampton, Martin L., architect, Miami, Fla.
Hampton, Ralph L., baling presses, Honeybrook, Pa.
Hampton Stave Co., lumber & cooperage stock, Fordyce, Ark.
Hamrick, C. W., contrs., Mutual bldg., Kansas City, Mo.
Hamrick Mills, cotton sheetings, Gaffney, S. C.
Hamson, J., & Son, soap, Lynn, Mass.
Hanby, A. L., lbr., Berryville, Ark.
Hance, J. W., Foundry Co., Westerville, Ohio.
Hanchett Swage Works, Big Rapids, Mich.
Hancock Brick & Tile Co., Findlay, Ohio.
Hancock Bros., flour mills, Albany, Ky.
Hancock, C. P., brick, Riverside, Calif.
Hancock, C. W., & Son, contractors, Lynchburg, Va.
Hancock, Flora L., canned goods, Salem, N. J.
Hancock Fdry. Mach. Wks., Hancock, Md.
Hancock, Harbin & Hancock, contractors, Mobile, Ala.

HANCOCK INSPIRATOR CO., see Manning, Maxwell & Moore, Inc. (successors).

Hancock, L. W., contrs., Louisville, Ky.
Hancock Mfg. Co., Charlotte, Mich.
Hancock Payne Advertising Agency, 403 Drexel bldg., Philadelphia, Pa.

Hancock, S. O., lbr., Casco, Me.
Hancock Shale Brick Co., Hagerstown, Md.
Hancock Stone Co., Findlay, O.
Hancock, W. C., machsts., Concord, Mass.
Hand & Sons Co., John E., Haddonfield, N. J.
Hand, B. A. Co., wholesale hdwe., Ottumwa, Ia.
Hand Co., Frank, Elizabeth, N. J.
Hand, Edw. L., & Co., comm. steel, 521 Arch, Phila., Pa.
Hand, John E., & Sons Co., binnacles, compasses, indicators, etc., 208 Chestnut, Philadelphia, Pa.
Hand Knit Hosiery Co., lumbermen's socks, Sheboygan, Wis.
Hand Made Furniture Shop, 426 Armour, Chicago, Ill.
Hand, Robt. E., ties, poles & posts, Erma, N. J.
Hand Trading Co., fertilizer, Pelham, Ga.
Handel Co., machsts. & fndrs., Meriden, Conn.
Handel, Louis, Co., screw mach. products, 161 Broadway, New York.
Handifold Toilet Paper Co., Leominster, Mass.
Handle & Excelsior Co., Picture Rocks, Pa.
Handlan-Buck Mfg. Co., 210 N. 3d St., St. Louis, Mo.
Handley & Co., badges & buttons, 112 Fulton, New York.
Handley-Knight Co., autos, Kalamazoo, Mich.
Handley, W. A., Mfg. Co., canvas & cotton duck, Roanoke, Ala.
Handy & Harman, 29 Gold St., New York.
Handy Bros., lbr. mfrs., Bay City, Mich.
Handy Governor Corp., 614 Free Press Bldg., Detroit, Mich.
Handy Lunch Chair & Table Co., H. L., 41 Hampdon St., Springfield, Mass.
Handy Mfg. Co., 29 E. Madison St., Chicago.
Handy Mfg. Co., pipe threading dies, stocks, etc., Bridgeport, Conn.
Handy, N. B., Co., wholesale hdwe., Lynchburg, Va.
Handy Sack Baler Co., Cedar Rapids, Ia.
Handy Specialty Co., hotel silver, 120 S. State st., Chicago, Ill.
Handy Things Mfg. Co., woodenware & novelties, Ludington, Mich.
Handy Window Shade Adjuster Co., 1214 Walnut St., Cincinnati, O.
Hanes Roller Mills State Road, N. C.
Haney Carriage & Mach. Co., machsts., Center Hall, Pa.
Haney, J. H., & Sons, harness, saddles, etc., Omaha, Neb.
Haney School Furniture Co., Grand Rapids, Mich.
Haney-White Co., sashes & doors, 17th & Glenwood av., Phila., Pa.
Hanford Iron Works, San Bernardino, Calif.
Hanger, C. F., Co., auto bodies & carriages, 2406 E. 71st, Cleveland, O.
Hanger Electric Mfg. Co., 105 S. Dearborn St., Chicago.
Hanging Rock Iron Co., Hanging Rock, O.
Hanify Co., J. R., 24 Market St., San Francisco, Cal.
Hanify Lbr. Co., Raymond, Wash.
Hangliter & Storrs, piston rings, 983 S. Raymond av., Pasadena, Calif.
Hank Bros., mill & facty. supplies, whol. hdwe., Paducah, Ky.

HANKE IRON WORKS, Albany, Grand & Chicago Aves., Chicago.
Pres.—Richard Hanke.
Secy.—Arthur W. Hanke.

Hanker, Chas., architect, Toledo, Ill.
Hankey & Co., A., Rochdale, Mass.
Hankey, A., & Co., machsts.' tools, Bourse, Philadelphia, Pa.
Hankey Lumber Co., Bowling Green, Ohio.
Hankey Milling Co., flour, Petoskey, Mich.
Hankins, H. H., & Bro., masons' & bldrs.' supplies, Bridgeton, N. J.
Hankinson Brick Co., North Augusta, S. C.
Hanks, A. A., assayers, chemists, 630 Sacramento, San Francisco, Calif.
Hanks, Fred. W., meter discs, 10624 St. Clair av., Cleveland, O.
Hanks, O. G., & Co., silk thread, Mansfield Center, Conn.
Hanks Stove & Range Co., Rome, Ga.
Hankscraft Co., Madison, Wis.
Hanky Lumber Co., Bowling Green, Ohio.
Hanlein, Hy., & Son, stone, 417 E. 103d, New York.
Hanley, R. H., machsts., Palatka, Fla.
Hanley, S. V., vehicle washers, 209 Farwell av., Milwaukee, Wis.
Hanley, Wm. T., dry dock & marine ry., ft. of Washington, Jersey City, N. J.
Hanline Bros., 23 S. Howard St., Baltimore, Md.
Hanlon & Goodman Co., 370 Pearl St., New York. (Brushes.)
Hanlon & Wilson, Wilkinsburg, Pa.
Hanlon Co., Inc., John J., 167-9 W. Monroe St., Chicago.
Hanlon Dry Dock & Shipbuilding Co., Oakland, Calif.
Hanlon-Gregory Galvanizing Co., 5515-55 Butler St., Pittsburgh, Pa.
Hanlon Locomotive Sander Co., Winchester, Mass.
Hanna & Young Handle Co., Poplar Bluff, Mo.
Hanna Co., The, M. A., 1300 Leader Bldg., Cleveland, O.

HANNA-CRAWFORD, INC., Milwaukee, Wis.

HANNA ENGINEERING WORKS, 1760 Elston Ave., Chicago.
Pres.—A. F. Jensen.
Sec. & Treas.—F. K. Stockton.
Representatives:
Birmingham, Ala.—2026 Jefferson County Bank Bldg., H. I. Kahn.
Detroit, Mich.—1002 Real Estate Exchange, E. J. Charron, Cherry 1750.
Los Angeles, Cal.—419 E. Third St., Rix Compressed Air & Drill Co., Broadway 2014.
New York—30 Church St., C. H. Holbrook, Cortland 1644.
Richmond, Va.—Mutual Bldg., Walter F. Delaney.
San Francisco, Cal.—400 Fourth St., Rix Compressed Air & Drill Co., Karny 2873-4.
St. Louis, Mo.—1956 N. Broadway, Corby Supply Co.

Hanna Furnace Co., The, Dover, O.
Hanna Paint Mfg. Co., 95-105 W. Long St., Columbus, O.

HANNA STOKER CO., THE, Brotherton Road & Penn. R. R., (Madisonville), Cincinnati, O.
Pres.—W. T. Hanna.
Sec. & Treas.—W. H. Hopple.

Hannah & Lay Co., wheat flour, Traverse City, Mich.
Hannah & May Mercantile Co., masons' & bldrs.' matls., Traverse City, Mich.
Hannah Bros., dock bldrs., 143 Sansome, San Francisco, Calif.
Hannan-Finton Co., 19 Sharon St., Springfield, Mass.
Hannahass, R. L., canned goods, Goodview, Va.
Hannan, F. H., Supply Co., masons' & bldrs.' mtls., 310 Brnm., Bridgeport, Conn.
Hanneman, Aug., sash, door & blind mfrs., Milton av. & Monument, Baltimore, Md.
Hanni, Nicholas, flour, Troy, Mo.
Hannibal Car Wheel & Fdry. Co., Hannibal, Mo.
Hannibal Gas Mach. & Mfg. Co., Hannibal, Mo.
Hannibal Milling Co., flour, Hannibal, Mo.
Hannibal Rubber Co., Hannibal, Mo.
Hannibal Truck Body Co., Dept. H, Hannibal, Mo.
Hannibal Wagon Co., Hannibal, Mo.
Hannifin Mfg. Co., 621 S. Kolmar Ave., Chicago.
Hano, Co., Philip, 806 Greenwich St., New York.
Hano-Weinkrantz Co., Inc., (Paper) 133 Mulberry St., New York.
Hanny, Chas. G., & Co., archl. iron, 856 W. North, Pittsburgh, Pa.
Hanover Bending & Mfg. Co., see Moul Mfg. Co. (successor).
Hanover Brick Co., Whippany, N. J.
Hanover Brick Co., Morristown, N. J.
Hanover Cabinet Co., furniture, Dept. H, Hanover, Pa.
Hanover Cordage Co., Hanover, Pa.
Hanover Heel & Innersole Co., boot counters, Hanover, Pa.
Hanover Red Pressed Brick Co., Hanover, Ohio.
Hanover Utilities Corp., 825-6 World Bldg., New York.
Hanover Wire Cloth Co., 233 New Jersey Railroad Ave., Hanover, Pa.

HANOVIA CHEMICAL & MFG. CO., thermometers, pyrometers & Artists' materials, 100 Chestnut, Newark, N. J.

Hanpeter Furniture Co., Frederick W., 11th & Palm St., St. Louis, Mo.
Hanrahan Brick & Ice Co., Kingston, N. Y.
Hanscom Cutter Works, 1297 River St., Boston, Mass.
Hanscom, Frank W., boot counters, Haverhill, Mass.
Hanscom Hardware Co., Haverhill, Mass.
Hansell-Elcock Co., Archer and Normal Ave., Chicago.
Hansen & Bain, machsts. & fndrs., San Francisco, Calif.
Hansen & Dieckman, 368 Washington St., New York.
Hansen & Olsen, brass & composition fndrs., 506 S. Green, Chicago, Ill.
Hansen & Peterson Co., contractors, Joliet, Ill.
Hanson & Sons, R., Grayling, Mich.
Hanson & Van Winkle, 269 Oliver St., Newark, N. J.
Hansen & Yorke Co., Inc., 89 Warren St., New York.
Hansen, A. E., consulting engrs., 116 W. 39th, New York.
Hansen, A. M., mchsts. & fndrs., Waupaca, Wis.
Hansen Bros., common brick, Princeton, Ill.
Hansen, Christian, brass & composition fndrs., Bridgeport, Conn.
Hansen Clutch & Machy Co., The, Tiffin, O.
Hansen, Cornelius, masons' & bldrs.' matls., Bessemer, Mich.
Hansen, H. C., Type Foundry, 190 Congress, Boston, Mass.
Hansen, J. H., Balboa Bldg., San Francisco, Calif.
Hansen Mfg. Co., O. C., 517 Wright St., Milwaukee, Wis.
Hansen Mfg. Co., The, 1786 E. 27th St., Cleveland, O.
Hansen, Marvin W., elec. lamp flashlights, 211 Amherst, Toledo, Ohio.
Hansen, Niels, Mfg. Co., 2222 2d av., Seattle, Wash.
Hansen, Otto E., gas logs, Perth Amboy, N. J.
Hansen Plbg. Sup. Co., Houston, Tex.
Hansen's Chr. Laboratory, butter colors, Little Falls, N. Y.
Hanshaft, Max, scrap iron, rubber, brass, etc., 262 Front, New York.
Hanson & Lantz, canned goods, Edgewood, Md.
Hanson, Alfred, & Son, contractors, Augusta, Me.
Hanson, Andrew, machsts. & fndrs., Alpena, Mich.
Hanson Bros. (Screw and Mach. Products), Plainville, Conn.
Hanson Bros., scales, 525 S. Ada, Chicago, Ill.
Hanson Clutch & Machy. Co., friction clutches, pulleys, etc., Tiffin, O.
Hanson Co., Louis, (Furn. Mfr.) 1500 N. Kostner Ave., Chicago.

HANSON CO., THE C. H., 178 N. Clark St., Chicago.

Hanson, F. C., shavings & steel wool, Southbridge, Mass.
Hanson Furniture Co., 600H Railroad, Janesville, Wis.
Hanson, Hy., metallurgical engrs., 85 2nd, San Francisco, Cal.
Hanson, J. L., Co., stationery, 552 W. Adams, Chicago, Ill.
Hanson Lumber Co., Albert, Garden City, La.
Hanson Mfg. Co., clocks, Princeton, Ind.
Hanson Motor Co., auto bldrs., Atlanta, Ga.
Hanson, O. L., mason, 51 Freeman st., Hartford, Conn.
Hanson Tap & Gauge Co., Hartford, Conn.
Hanson Tool & Die Co., 5736 12th, Detroit, Mich.
Hanson Veneer Co., Ward, Water St., Bay City, Mich.
Hanson Whitney Machine Co., The, 169 Bartholomew Ave., Hartford, Conn.
Hanssen's, Louis, Sons, mill & facty. supplies, wholesale hdwe., Davenport, Ia.
Hanten Mach. Co., Watertown, S. D.
Hanstetter, A., airplane parts & supps., 308 Madison av., New York.
Hapgood, J. J., & Co., lbr., Peru, Vt.
Hapgood Plow Co., Alton, Ill.
Happ Bros. & Co., overalls, B'way & Pine, Macon, Ga.
Happ, Louis, stone producer, 1315 Penna. av., Pittsburgh, Pa.
Happell, Adam, arch'l iron, 408 E. 93d, New York.
Harbach's, L., Sons Co., mattresses, Des Moines, Ia.
Harban Metal Products Co., 305 Real Estate Trust Bldg., Broad and Chestnut Sts., Philadelphia, Pa.
Harbauer Co., canned goods, Toledo, Ohio.
Harbeson, John F., 112 S. 16th, Philadelphia, Pa.
Harbeson Lumber Co., W. B., DeFuniak Springs, Fla.
Harbin Constr. Co., Lexington, N. C.
Harbinson & Gathright, Inc., 709 W. Main St., Louisville, Ky.
Harbison Mfg. Co., 10th & Mulberry Sts., Kansas City, Mo.

HARBISON-WALKER REFRACTORIES COMPANY, Fifth Ave. & Wood St., Pittsburgh, Pa.
Pres.—J. E. Lewis.
V. P.—Hamilton Stewart, O. M. Reif, Nin McQuillen.
Sec.—P. R. Hilleman.
Treas.—William Walker.
Branch Offices:
ALA.—Birmingham—J. F. Fletcher, 830 Brown Marx Bldg.
ILL.—Chicago—Gardner Catlin, 1987 Continental & Commercial National Bank Bldg.
MICH.—Detroit—J. L. Graham, 729 Ford Bldg.
N. Y.—Buffalo—C. T. Jackson, 513 Jackson Bldg. New York—J. R. Robinson, 35 Nassau St.
O.—Cleveland—F. W. Sheppard, 1513 Rockefeller Bldg.
PA.—Philadelphia—C. H. Nold, 412 Morris Bldg.

Harbor Box & Lumber Co., 1430 S. Alameda, Los Angeles, Calif.
Harbor Mach. Co., makers of fine tools, 183 High, Boston, Mass.
Harbor Refining Co., asphalt & gasoline, 2475 E. 9th, Los Angeles, Calif.
Harbor Springs Lumber Co., Harbor Springs, Mich.
Harburger & Stack, crude rubber, beeswax, horse hair, 83 Gold, New York.
Harby Abrams, Melius, Inc., contrs., 270 Madison av., New York.
Hard Manufacturing Co., 121 Tonawanda St., Buffalo, N. Y.
Hardaway, Cargill Co., canned goods, Columbus, Ga.
Hardaway Contracting Co., Columbus, Ga.
Hardcastle, Mrs. K. N., Co., canned goods, Denton, Md.
Harden Hand Grenade Fire Extinguisher Co., 6213 Wentworth Ave., Chicago.
Harden, Chas. H., & Co., 108 Main st., Seattle, Wash.
Hardenbergh, P. R. L., & Co., fly nets, 237 E. 8th, St. Paul, Minn.
Harder, A. P., cornices, Rockford, Ill.
Harder, Ad & Boesenberg, wall pockets, 377 Broadway, New York.
Harder, C. S., Catskill, N. Y.
Harder, F. H., Mfg. Co., furniture, 1366 Mission, San Francisco, Cal.
Harder, F. H., Mfg. Co., 1562 Mission st., San Francisco, Calif.
Harder, H. J., machsts. & fndrs., Beaver Dam, Wis.
Harder Mfg. Co., Cobleskill, N. Y.

HARDESTY MFG. CO., THE R., 3063 Blake St., Denver, Colo.

Hardesty Mfg. Co., machsts. & fndrs., Dover, Ohio.
Hardie Mfg. Co., The, Hudson, Mich.
Hardie-Tynes Mfg. Co., 800 N. 28th St., Birmingham, Ala.
Hardin Construction Co., 3220 E. Michigan, Indianapolis, Ind.
Hardin-Lavin Co., steam fitters' supps., 4543 Cottage Grove av., Chicago, Ill.
Harding & Fancourt, oils, soap, cotton softeners, etc., 516 S. Del., Philadelphia, Pa.
Harding, B. W., boilers, Sioux Falls, S. D.
Harding, H. C., mill soaps, Sedgley W., 18th, Philadelphia, Pa.
Harding, H. W., Lumber Co., Hamilton blvd. & Midland av., Detroit, Mich.
Harding, J. W., flour mills, Claysville, Ky.
Harding, J. W., & Co., mill & facty. supplies, Lynn, Mass.
Harding Mfg. Co. (Small Tools), Mansfield, Mass.
Harding, Slattery & Buchanan, contractors, Crawfordsville, Ind.
Harding, Wm., Jr., roofing slate mfrs., Pen Argyl, Pa.

HARDINGE BROTHERS, INC., 1770 Berteau Ave., Chicago.
Pres.—Franklin Hardinge.
Secy.—J. L. L. McCormack.
Treas.—U. H. Wheeler.

Hardinge Company, Inc., 120 Broadway, N. Y.
Hardisty & Co., Garland Linwood, Cincinnati, O.
Hardite Metals Inc., 103 Park Ave., New York.
Hardito Metals Inc., annealing boxes & pyometer tubes, 3 Park Row, New York.
Hardman Button Co., Beverly, Mass.
Hardman, C. C., Co., sashes, doors & blinds, Shreveport, La.
Hardman Lumber Co., Elkins, W. Va.
Hardman, Peck & Co., pianos, 433 5th av., New York.
Hardman Rubber Corp., automobile tubes, New Brunswick, N. J.
Hardman Tire & Rubber Corp., 77 Broad, New York.
Hardner, Geo. H., Allentown, Pa.
Hardock, Benj., mattresses, 531 N. 2d, Philadelphia, Pa.
Hardsocg Co., The Martin, 922 South Ave., Pittsburgh, Pa.
Hardsocg Mfg. Co., Ottumwa, Ia.
Hardsocg Wonder Drill Co., Ottumwa, Ia.
Hardt Generator Co., Easton, Pa.
Hardware & Supply Co., machy. dlrs., plbrs.' supplies, etc., 475-535 S. High, Akron, Ohio.
Hardware Age, trade publication, 239 W. 39th, New York.
Hardware Agency Co., 159 High, Boston, Mass.
Hardware Dealers Magazine, trade publication, Pennsylvania Terminal Bldg., New York.
Hardware House of America, 78 Warren St., New York.
Hardware News, 602 Wesley Bldg., 17th & Arch, Philadelphia, Pa.
Hardware Spec. Mfg. Co., Anderson, Ind.
Hardware Specialties Co., Maritime Bldg., Seattle, Wash.
Hardware Supply Co., 197 Commerce St., Grand Rapids, Mich.
Hardwick, C. H., & Co., granite, Quincy, Mass.
Hardwick Polishing Co., granite prod., Hardwick, Vt.
Hardwick Stove Co., Cleveland, Tenn.
Hardwick, W. M., machy., dlrs., Dalton, Ga.
Hardwicke-Etter Co., Sherman, Tex.
Hardwood Finish Co., sash, door & blind mfrs., Athens, Ohio.
Hardwood Flooring Co., see Harris Hardwood Co., Inc., (successors).
Hardwood Interior Co., flooring, 446 6th, San Francisco, Calif.
Hardwood Lumber Co., Walton Bldg., Atlanta, Ga.
Hardwood Mine Roller Co., Punxsutawney, Pa.
Hardwood Package Co., barrels, Finance Bldg., Philadelphia, Pa.
Hardwood Products Co., Neenah, Wis.
Hardwood Record, trade publication, 537 S. Dearborn, Chicago, Ill.
Hardy & Company, F. A., 10 S. Wabash Ave., Chicago.
Hardy & Co., F. S., 351 Congress St., Boston, Mass.
Hardy & Dischinger Co., mill & facty. supplies, Toledo, Ohio.
Hardy & Sons Co., Wm. A. Fitchburg, Mass.
Hardy & Streeter, contr., 12 Pearl, Boston, Mass.
Hardy & Tierney, 410 E. 23rd St., New York.
Hardy, Chas., & Ruperti, 115 Broad St., New York.
Hardy, Chas., Inc., mineral broker, 1 Pershing av., New York.
Hardy Co., L., 9 Millbury St., Worcester, Mass.
Hardy Co., The Clement A., 80 E. Jackson Blvd., Chicago.
Hardy County Milling Co., flour, Moorefield, W. Va.
Hardy, Frank H., mill baskets, foundry brushes, Andover, Mass.
Hardy Furn. Co., Dept. H, Lincoln, Neb.
Hardy Mach. Co., N. Baltimore, Ohio.
Hardy Manufacturing Co., Pendleton, Ind.
Hardy Paint & Varnish Co., The, Oakwood Ave. & Mich. Cen. R. R., Toledo, O.
Hardy, W. F., machst., Champaign, Ill.
Hardy, Wallace L., machst., Joliet, Ill.
Hardy, Wm. A., & Sons Co., babbitt metal, auto & brass castings, etc., 33 Water st., Fitchburg, Mass.
Hare & Hare, landscape archs., Huntzinger Bldg., Kansas City, Mo.

Hare, A. A., hot air furnaces, 2112 Woodward av., Detroit, Mich.
Hare, W., & Son, carriages, Noblesville, Ind.
Hargett, P. L., & Co., wholesale hdwe., Frederick, Md.
Hargrave, W. T., sash, door & blind, Petersburg, Va.
Hargrove & Ruth Lumber Co., Poplar Bluff, Mo.
Harig, Robt., Constr. Co., 2174 Western av., Cincinnati, Ohio.
Haring, Ellsworth, iron & steel merchant, 114 Liberty, New York.

HARKER MANUFACTURING CO., 121-123 W. 3rd St., Cincinnati, O.
Pres.—Jos. A. Scallan.
Mgr.—W. E. Scallan.

Harker Pottery Co., East Liverpool, O.
Harkins Foundry Co., T. B., Bristol, Pa.
Harkins, M. T., contr., Lewiston, Me.
Harkness & Cowing Co., stearic acid candles, Murray st., Cincinnati, Ohio.
Harlan, Harold Coffman, architects, 35 E. 1st, Dayton, Ohio.
Harlan, J. M., Lumber Co., Indianola, Ia.
Harlan Morris Mfg. Co., cooperage stock, Jackson, Tenn.
Harland & Son, Wm., Genesee St. and Erie Canal, Buffalo, N. Y.
Harleigh Iron Wks. Co., machsts., Hazelton, Pa.
Harlem Mfg. Co., valves, 685 11th av., New York.
Harlem Supply Co., The, 116 E. 124th St., New York.
Harley Bros., mill & facty. supplies, Geneva, Ohio.
Harley, C. & G. P., lime, Delphi, Ind.
Harley Co., Chas. 660 7th St., San Francisco, Calif.
Harley Company, Page Blvd., Springfield, Mass.
Harley-Davidson Motor Co., 3732 Chestnut st., Milwaukee, Wis.
Harley, J. S., fly nets, Quakertown, Pa.
Harley, P. N., Hardware Co., Waycross, Ga.
Harlow, Hamilton, 4 Brattle, Boston, Mass.
Harman & de Rundeau, flour mills, Crimora, Va.
Harman & Hassert, Bloomsburg, Pa.
Harman & Moyer, machsts. & fndrs., Freeburg, Pa.
Harman Eave Trough Hanger Co., New Philadelphia, O.
Harman, Ed F., posts (steel), Rosewood, Ohio.
Harman, W. E., & Sons, 422 E. 3d st., Los Angeles, Calif.
Harmegnies & Howell, 512 Sherman St., Chicago.
Harmer Laboratories Co., The, Lansdowne, Pa.
Harmer Laboratories Co., acid monochloracetic & ethyl bromide, 2 S. 21st, Philadelphia, Pa.
Harmon & Dixon, whol. hdwe., 42 Broadway, New York.
Harmon & Reid, flour, Kernersville, N. C.
Harmon & Son, stone producers, Lannon, Wis.
Harmon, C. A., & Son, grey iron castings, & diaphragm screens, Watertown, N. Y.
Harmon Color Works, Inc., color mfrs., College Point, L. I., N. Y.
Harmon Creek Coal Co., Oliver Bldg., Pittsburgh, Pa.
Harmon, F. L., & Co., mattresses, Tacoma, Wash.
Harmon, F. S., & Co., furn. & excelsior, 1938 Pacific av., Tacoma, Wash.
Harmon, L. S., & Co., furniture, Dept. H, Tacoma, Wash.
Harmon Paper Co., Brownville, N. Y.
Harmon, W. P. & E. F., leather, 14th & Franklin, Salem, Mass.
Harmony Grove Mills, cotton sheetings, Commerce, Ga.
Harmony Mills, cotton sheetings, Cohoes, N. Y.
Harms Bros., machsts., 1730 Thames, Baltimore, Md.
Harnden, Jas. H., Co., stone prod., 991 Grand, Brooklyn, N. Y.
Harney, G. E., architect, 49 Irving pl., New York.

HARNISCHFEGER CORPORATION, Milwaukee, Wis. (Formerly Pawling & Harnischfeger Co. .See Page 222.)

Harold Furnace & Mfg. Co., E. 3310 Sprague av., Spokane, Wash.
Harnisch, Ad., Spences St., Syracuse, N. Y.
Harper & Buttendorff Co., contractors, Oak Park, Ill.
Harper & McIntire Co., Ottumwa, Ia.
Harper & Reynolds Co., 152 N. Main St., Los Angeles, Calif.
Harper Brush Wks., mop handles, Fairfield, Ia.
Harper Buggy Co., Columbia City, Ind.
Harper, C. M. C., masons' & bldrs.' matls., Boston, Pa.
Harper Co., The H. M., 38 S. Dearborn St., Chicago.
Harper Co., W. E., 782 East st., New Britain, Conn.
Harper, Fred D., dry batteries, Everett, Mass.
Harper, G. H., Co., veneer mfrs., Orange, N. J.
Harper Lumber & Bldg. Co., Meadville, Pa.
Harper, M. I., lbr., Reform, Ala.
Harper Mfg. Co., overalls, Rome, Ga.
Harper Mfg. Co., Chester, Pa.
Harper Oriphone Co., audiphones, 294 Washington, Boston, Mass.
Harper Screw Works, F. C., 29 S. Clinton St., Chicago.
Harper, Thos., 139 Lafayette St., New York.
Harper, Walter, stone, Ridley Park, Pa.
Harpers' Brass Works, castings, 106 N. 5th, Portland, Ore.
Harpers Ferry Paper Co., Harpers Ferry, W. Va.
Harpham Bros., Co., horse collars, harness, etc., Lincoln, Nebr.
Harpold Bros., wholesale hdwe., Ravenswood, W. Va.
Harpole, John A., brick, Clinton, Ky.
Harpring, L. H., & Bro., cornices, 1236 S. Shelby, Louisville, Ky.
Harps, J. A., Mfg. Co., oil cans, automobile tanks, Greenfield, O.
Harr, Jacob, Mechanicsburg, O.
Harrah & Stewart Mfg. Co., 514-18 E. Cowen Ave., Des Moines, Ia.
Harrah Mfg. Co., 4204 Troost St., Kansas City, Mo.
Harrah Mfg. Co., tools, Bloomfield, Ind.
Harral Soap Co., Inc., 132-6 Havenmeyer St., Brooklyn, N. Y.
Harrell, R. A., Buggy Co., carriages, South Boston, Va.
Harrigan, J., & Son, cornices & skylights, 111 Liverpool, E. Boston, Mass.
Harrigan Safe Co., 917 Broadway, Kansas City, Mo.
Harrild's Factory, bedroom furniture, 927 1st, Spokane, Wash.
Harriman Fdy. & Mach. Wks., industrial & mine cars & equipment, Harriman, Tenn.
Harriman Industrial Corp., contrs., Harriman, N. Y.
Harriman, L. P., brass fndrs., Lyndonville, Vt.
Harriman Mfg. Co., Harriman, Tenn.
Harriman Milling Co., flour, Harriman, Tenn.
Harriman Motors Co., South Glastonbury, Conn.
Harriman, S. H., Fryeburg, Me.
Harring, F. J., & Co., fndrs., Grand Rapids, Mich.

HARRINGTON & KING PERFORATING CO., THE, 5638 Fillmore St., Chicago.
New York—114 Liberty St.

Harrington & Richardson Arms Co., 320 Park Ave., Worcester, Mass.
Harrington, B. E., & Sons, canned goods, Taylors Island, Md.
Harrington Canning Co., Harrington, Del.
Harrington Company, The, 17th and Callowhill Sts., Philadelphia, Pa.
Harrington Cutlery Co., Southbridge, Mass.
Harrington, E. G., & Co., pianos, 433 5th av., New York.
Harrington, Geo. S., Co., tex. machy., pickers (hair), 77 Washington, N. Boston, Mass.
Harrington, Hubert, mill & facty. supplies, Fargo, N. D.
Harrington, Jno. (Est. of), stone, Cambridge, Mass.
Harrington, King & Co., mill & facty. supplies, 79 Commercial, Boston, Mass.
Harrington Milling Co., lumber, Harrington, Wash.
Harrington, P. J., stone producers, Norwich, Conn.
Harrington, Robinson & Co., 110 High st., Boston, Mass.
Harrington, T. J., knives, shoemakers' tools, Southbridge, Mass.
Harris & Co., Salem, O.
Harris & Co., A. J., Lowell, Mass.

HARRIS & CO., Arthur, 212 N. Curtis St., Chicago.

Harris & Co., Benj. (Metals), 2101 Loomis St., Chicago.
Harris & Co., P. E., Pier 1., Seattle, Wash.
Harris & Pendergrass, lbr., 719 T, Fresno, Calif.
Harris & Reed, ball & roller bearing auto, hubs, bicycle parts & sundries, 1500 W. 15th, Chicago, Ill.
Harris, A. H., sash, door & blind, Pittston, Pa.
Harris, A. L., architects, 728 17th N. W., Washington, D. C.
Harris, A. W., & Co., lubrg. oils & greases, 29 Broadway, New York.
Harris Air Pump Co., 421 W. South St., Indianapolis, Ind.
Harris, Alfred, & Co., cotton & wool waste, 332 Summer, Boston, Mass.
Harris Automatic Press Co., 4510 E. 71st St., Cleveland, O.
Harris, Benj., Co., badges & buttons, 229 Bowery, New York.
Harris, Brackman Mfg. Co., pumps, Greer, S. C.
Harris-Brook Lumber Co., Meridian, Miss.
Harris Bros., masons' & bldrs.' matls., Zanesville, Ohio.
Harris Brothers Co., W. 35th and Iron Sts., Chicago.
Harris, Burt, scrap iron, 233 Broadway, New York.
Harris, C. E., Hardware Co., Rockville, Conn.
Harris, C. J. (Now The Harris Granite Quarries Company), Salisbury, N. C.
Harris, C. S., cornices, Shelter Island Heights, N. Y.
Harris, C. S., Co., machsts., Rome, N. Y.
Harris Caloric Co., The, 2828 Washington Ave., Cleveland, O.
Harris Carriage Co., Lynchburg, Va.
Harris, Chas. E., auto wheels, Easthampton, Mass.
Harris, Chas. F., & Co., carriages, Littleton, N. H.
Harris-Clark Co., machsts., Westfield, N. J.
Harris Clay Co., Dillsboro, N. C.
Harris Co., Samuel H., 114 N. Clinton St., Chicago.
Harris Creek Lbr. Co., Horseshoe Bend, Idaho.
Harris Electric Co., igniters, 255 California, San Francisco, Calif.
Harris Emery Co., carriage cloth, fiannels—woolen, Penacook, N. H.
Harris Engineering Co., H. E., Bridgeport, Conn.
Harris Engineering Co., mining machinery dlrs., Haas Bldg., Los Angeles, Calif.
Harris, Franklin M., & Co., contractors, 1520 Paris, Phila., Pa.
Harris, Geo. W., Co., loom harness, Lowell, Mass.

HARRIS GRANITE QUARRIES COMPANY, THE, 8th Floor, Wallace Bldg., Salisbury, N. C.

Harris, Grenville A., consulting industrial engnr., 15 Park Row, New York.
Harris Hardware Co., Washington, N. C.
Harris Hardware Co., D. P., 99 Chambers St., New York.
Harris, Hardwood Co., Inc., flooring, Roanoke, Va.
Harris, H. H., contr., Vicksburg, Miss.
Harris, H. P., cornices & skylights, Monticello, Ill.
Harris, I. H., lumber, Woodstock, Va.
Harris Ice Mach. Wks., Portland, Ore.
Harris Iron & Supply Co., 226 S. Front, Memphis, Tenn.
Harris, J., Co., gas stoves, Cleveland, Ohio.
Harris, J. P., canned goods, Preston, Md.
Harris, J. W., mill & facty. supplies, whol. hdwr., Americus, Ga.
Harris Knitting Mills, knitted gloves, 5130 Wakefield, Philadelphia, Pa.
Harris, L., contr., Benton, Ill.
Harris, L. W., contr., Bakersfield, Calif.
Harris Laboratory, Inc., rubber tests, 26 Cortlandt, New York.
Harris Machinery Co., (Dealers), 1013 Washington Ave., S. E., Minneapolis, Minn.
Harris Mfg. Co., agr. impits., Park & East, Stockton, Calif.; branch, Walla Walla, Wash.
Harris Mfg. Co., Salem, O.
Harris Mfg. Co., Johnson City, Tenn.
Harris Marine Engine Co., Wilmington, Del.
Harris, Milling Co., flour, Mt. Pleasant, Mich.
Harris, M. R., masons' & bldrs.' matls., Ottawa, Kans.
Harris Oil & Grease Works, Titusville, Pa.
Harris Oil Co., A. W., 326-28 S. Water St., Providence, R. I.

HARRIS-PREBLE DOOR CO., THE, 2428 W. 22nd St., Chicago.
Pres. & Mgr.—A. C. Preble.

HARRIS PUMP & SUPPLY CO., water supply systems, 318 Second av., Pittsburgh, Pa.

Harris, R. F., & Co., agricultural implements, Charlottesville, Va.
Harris, R. H., & Sons, carriages, Pulaski, Tenn.
Harris, S. H., Co., archl. iron, 2424 W. 22d, Chicago, Ill.
Harris-Smith Coal & Coke Co., Uniontown, Pa.
Harris Soap Co., 18 Stetson St., Buffalo, N. Y.
Harris Trunk Mfg. Co., 130 6th, Portland, Ore.
Harris-Wheaton Co., boot counters, 157 Pearl, Boston, Mass.
Harris, Wm. M., Jr., masons' & bldrs.' matls., 546 Atwells av., Providence, R. I.
Harris Wood Fibre Mantle Co., 3805 Clarke av., Cleveland, Ohio.
Harris's, J. M., Sons, flour mills, Glen Easton, W. Va.
Harrisburg Electric Sup. Co., Harrisburg, Pa.
Harrisburg Fdry. & Mach. Shop, Harrisburg, Ill.
Harrisburg Foundry & Machine Wks., Harrisburg, Pa.
Harrisburg Hdwe. Co., whol, hdwe., Harrisburg, Pa.
Harrisburg Mfg. & Boiler Co., 15 Park Row, New York.
Harrisburg Mfg. & Boiler Co., Harrisburg, Pa.

HARRISBURG PIPE & PIPE BENDING CO., Herr st., near 10th, Harrisburg, Pa.

Harrisburg Roll Grinding & Corrugating Co., Harrisburg, Pa.
Harrisburg Shale Brick Co., Harrisburg, Pa.
Harrisburg Star Boiler Corp., boilers, etc., 15 Park Row, New York.
Harrisburg Warehouse & Lbr. Co., Harrisburg, Ore.
Harrison & Co., key cutting machs., 209 Center, New York.
Harrison & Co., leather, 90 South, Boston, Mass.
Harrison & Curtis, masons' & bldrs.' matls., Newburgh, N. Y.
Harrison & Meyer (Artificial Flooring) 1182 Broadway New York.
Harrison & Smith Co., 620-8 S. 4th St., Minneapolis, Minn.
Harrison, B. J., Mfg. Co., folding camp & steamer chairs, Arkville, N. Y.
Harrison, B. J., Son Co., piano benches, Winsted, Conn.
Harrison Bolt & Nut Co., Second & Middlesex Sts., Harrison, N. J.
Harrison Bros. & Co., carriages, Jersey, Ohio.
Harrison Bros. Co., sand & gravel dlrs., Tacoma, Wash.
Harrison Bros. Contrg. Co., Western Port, Md.
Harrison Bros., Inc., Amesbury, Mass.
Harrison Co., cardboard signs, Union City, Ind.
Harrison Co., Robt., 330 W. 1st St., Boston, Mass.
Harrison Co., W. R., Massillon, O.
Harrison Constr. Co., Petersburg, Va.
Harrison Corp., John, 169 South St., New York.
Harrison, D. A., carriages, Clarksville, Tenn.
Harrison Elec. Co., 1088 Dekalb av., Brooklyn, N. Y.
Harrison Engineering & Constr. Corp., Ellicott sq., Buffalo, N. Y.
Harrison Fertilizer Co., Harrison, Ga.
Harrison Granite Co., 200 5th av., New York.
Harrison, H. H., engrs. employment assn., 19 S. La Salle, Chicago, Ill.
Harrison, Jas. S., & Co., wood handles, Addison, N. Y.
Harrison John (Est. of). See Harrison, John, Corp. (successors).
Harrison, John F., cooperage stock, Bienville, La.
Harrison, M., & Son, cornices, 214 E. 52d, New York.
Harrison Mach. Co., Inc., special machy., 144 Platt, Rochester, N. Y.
Harrison Machine Works, 717 N. Main, Los Angeles, Calif.
Harrison Machine Works, Belleville, Ill.
Harrison Mfg. & Boiler Co., boilers, pipe, etc., Harrisburg, Pa.
Harrison Mfg. Co., Rahway, N. J.
Harrison Radiator Corp., Lockport, N. Y.
Harrison-Skaill Foundry Machine Wks., 525 N. 28th St., Portland, Ore.
Harrison-Smith Co., Oklahoma City, Okla.
Harrison Sq. Fndry. Co., Boston, Mass.

HARRISON STEEL CASTING CO., 800 S. Perry St., Attica, Ind.

Harrison Supply Co., abrasives, granite marble polishing machy., polishers' supps. & granite cutters' tools, 5 Dorchester, Boston, Mass.
Harrison, W. H., Co., masons' & bldrs.' matls., Grand Island, Neb.
Harrison, Walter H., landscape architect, La Mott, Pa.
Harrisonburg Milling Co., flour, Harrisonburg, Va.
Harrman & Son, brick, Antwerp, Ohio.
Harrold Tool & Forge Co., Columbiana, Ohio.
Harron, Rickard & McCone, 139-149 Townsend St., San Francisco, Cal.
Harroun & Son, J. E., Watertown, N. Y.
Harroun Motor Sales Corp., Wayne, Mich.
Harroway, M. W., masons' & bldrs.' matls., Richmondville, N. Y.
Harry Bros. Co., Newport, Ky.
Harry Bros. Co. of La., New Orleans, La.
Harry Bros. Mfg. Co., 1302 E. Woodbridge St., Detroit, Mich.
Harry, C. F., lbr., Grover, N. C.
Harry Co., S. J., Connellsville, Pa.
Harry, I. H., flour mills, Falls Mills, Va.

HARRY, L. C., CO., bolts, spikes, etc., 114 Liberty, New York.

Harry Steel Co., O. K., 2333 Papin St., St. Louis, Mo.
Harry Steel Wks., O. K., Dallas, Tex.
Harryman Brothers, see Harryman, H. & H. (successors).
Harryman, Geo., & Bro., Dept. H., broom corn, Spring & Fleet, Baltimore, Md.
Harryman, R. & H., broom corn, Wichita, Kansas.
Harsch Bronze & Fdry. Co., John, 11612 Madison Ave., Cleveland, O.
Harsha, L. R., Mfg. Co., weather strips, mouldings, 2010 Carroll av., Chicago, Ill.

HARSHAW, FULLER & GOODWIN CO. (THE), 545 Hanna Bldg., Cleveland, O.
Branch Offices:
Chicago—107 N. Market St.
East Liverpool, Ohio—430 Walnut.
New York—150 Nassau.
Philadelphia—Jackson & Swanson.
Sales Offices:
Cincinnati, Ohio—2110 Union Trust Bldg.
Los Angeles, Calif.—Wholesale Terminal Bldg.
New Orleans, La.—Title Guarantee Bldg.
St. Louis, Mo.—707 Star Bldg.
Plants:
Elyria, Ohio.
Cleveland, Ohio.
Philadelphia, Pa.

Harshbarger Milling Co., flour, Milton, W. Va.
Harshfield, Fred, canned goods, Shepherdsville, Ky.
Harshman, John F., & Sons, machsts. & founders, Saratoga, Ind.
Harsh-Miller Mfg. Co., hdwe. mfrs., Wabash, Ind.
Harstad Lbr. Co., Yelm, Wash.
Hart & Co., B. F., Jr., 50 Church St., New York.
Hart & Company, Fostoria, Ohio.
Hart & Co., Inc., Paterson, N. J.
Hart & Cooley Co., The, Corbin av. & W. Main st., New Britain, Conn.
Hart & Crouse Co., Utica, N. Y.
Hart & Hegeman Mfg. Co., 342 Capitol Ave., Hartford, Conn.
Hart & Hutchinson Co., steel lockers & factory equipment mfrs., Corbin av., New Britain, Conn.
Hart & Page, Rockford, Ill.
Hart, A. J., contrs., Penobscot Bldg., Detroit, Mich.
Hart Bros. Machine Co., Clarksburg, W. Va.
Hart Cedar & Lumber Co., Hart, Mich.
Hart, Chas. H., cornices, Aurora, Ill.
Hart Co., Inc., Williamsport, Pa.
Hart Constr. Co., dock bldrs., 521 Tacoma bldg., Tacoma, Wash.
Hart, Geo. F. & Jas. W., Sandy Hook, Miss.
Hart Grain Weigher Co., Peoria, Ill.
Hart, Dow J., lock corner boxes, Marlboro, N. H.
Hart Fndry. Co., Lawrence, Mass.
Hart, Fdk., & Co., designers & makers special machy., 837 Main, Poughkeepsie, N. Y.
Hart Glass Mfg. Co., bottles, Dunkirk, Ind.
Hart, H. C., Implement Co., La Crosse, Wis.
Hart, I. S., sash, door & blind, Sayre, Pa.

Hart, Jas. J., Constr. Co., Yonkers, N. Y.
Hart, Jno. N., Lbr. Co., Portsmouth, Va.
Hart Lumber & Mfg. Co., Inc., spokes, handles & whip-stock, Martinsville, Va.
Hart Lumber Co., J. L. Meridian, Miss.
Hart Mfg. Co., desk mfrs., Findlay, Ohio.
Hart Mfg. Co., die stocks, Cleveland, Ohio.

HART MANUFACTURING CO., 230 Hamilton, Hartford, Conn.

Distributors and Representatives:

ALA.—Birmingham—Interstate Electric Co., 2104 First Ave., Main 4820.
CALIF.—Los Angeles—Electric Corp., Pico 624.
Electric Sales Co., 114 Maple Ave., 627-02.
Graham Reynolds Elec. Co., 300 East 3rd St.
Pacific States Elec. Co., 236 South Los Angeles Ave., Main 6446.
San Francisco—Electric Railway & Mfg. Supply Co., 36 2nd St., Sutter 1880.
Electric Sales Co., Will Caffray, 111 New Montgomery St., Douglas 7057.
Pacific States Electric Co., 575 Mission St., Sutter 7301.
COLO.—Denver—Mine & Smelter Supply Co., 17th & Blake Sts., Main 515.
Mountain Electric Company, 1621 Glenarm Place, Main 922.
B. K. Sweeney Elec. Co., 13th Ave. & Broadway, Main 6013.
CONN.—Hartford—Hartford Elec. Supply Co., 234 Pearl St., Bushnell 1652.
New Haven—C. S. Mersick, 270 State St., Liberty 4130.
DEL.—Wilmington—Garrett Miller & Co., 4th & Orange Sts., 805.
D. C. — Washington — Carroll Electric Co., 714 Twelfth St., Main 7320.
GA.—Atlanta—Gilham Schoen Elec. Co., 22 Luckie St., Ivy 2109.
ILL.—Chicago—American Elec. Supply Co., 953 Washington Blvd., Haymarket 3804.
Central Electric Company, 316 S. Wells St., Wabash 2160.
Wm. P. Crocket Company, 312 S. Green St., Monroe 3694.
Electric Appliance Company, 701 W. Jackson Blvd., Monroe 5020.
Freeman-Sweet 9 W. Illinois St., Canal 8030.
Hyland Elec. Supply Company, 31 N. Franklin St., Main 5260.
Inland Elec. Co., 14 N. Franklin St., Main 4820.
Otto Reiman, 155 W. Lake St., Franklin 1633.
IND.—Indianapolis—Indianapolis Elec. Supply Co., 817 High St., Main 1447.
Varney Elec. Supply Co., 121 S. Meridian St., Main 3420.
KY.—Louisville—Belknap Hardware Co., 2nd & Washington Sts., Main 2500.
Electrical Sales Co., Kenyon Bldg.
Tafel Elec. Co., 329 West Main St., Main 1134.
MD.—Baltimore—Baltimore Elec. Supply Co., 807 N. Calvert St., Plaza 5870.
Southern Elec. Company, 5 S. Gay St., Plaza 2050.
MASS.—Boston—Geo. H. Buckminster Co., 59 Oliver St., Main 2453.
Pettingill & Andrews, 160 Pearl St., Congress 4200.
Fred B. Smith, 170 Summer St.
Wetmore Savage Co., 76 Pearl St., Congress 1900.
MICH.—Detroit—Commercial Elec. Supply Co., 138 Congress St., Main 4668.
A. T. Knowlson Elec. Co., 415 East Congress St., Main 5846.
McNaughton-McKay, 331 Jefferson St., Main 5876.
Al. E. Desseau, 423 Moffat Bldg.
MINN.—Minneapolis—Ben B. Moore, 454 Builders Exchange Bldg.
Peerless Elec. Company, 227 S. Fifth St., Geneva 2686.
St. Paul—Northern Elec. Equip. Co., 174 East 6th St.
MO.—Kansas City—Central States Elec. Co., 1414 Grand St., Grand 4352.
St. Louis—Frank Adam Elec. Company, 3649 Bell St., Lindell 6550X.
Brown & Hall Supply Co., 1515 Pine St., Olive 8280.
Central Tel. & Elec. Co., 2018 Locust St., Bomont 3170.
N. J.—Newark—Beller Elec. Supply Co., 283 Market St., Market 9171.
Newark Elec. Supply Co., 223 Market St., Market 9240.
New Jersey Elec. Supply Co., 207 Washington St.
Meyer Rutkin, 259 Market St., Market 8070.
N. Y.—Albany—Havens Electric Company, 31 Hudson St., Main 3020.
Brooklyn—Greenfield Elec. Supply Co., 1096 Bedford Ave., Sterling 7606.
Buffalo—McCarthy Bros. & Ford, 75 W. Mohawk St., Seneca 3197.
Robertson Cataract Elec. Co., 151 W. Mohawk St., Seneca 5100.
New York—Alpha Electric Company, 151 W. 30th St., Watkins 0500.
Crannell, Nugent & Kranzer, 110 West 30th St., Watkins 4520.
Hart Mfg. Co., 50 Church St., Cortland 1717.
E. B. Latham & Company, 550 Pearl St., Franklin 4870.
Stanley & Patterson, West & Hubert Sts., Canal 5200.
Syracuse—H. J. Gorke, 146 James St., ames 4774.
Mohawk Elect'l Supply Co., 348 W. Fayette St., Warren 8900.
H. C. Roberts Elec. Supply Co., Water & Franklin Sts, Warren 0900.
OHIO—Cincinnati—Milner Elec. Company, 129 Government Sq., Main 31.
F. D. Lawrence Elec. Co., 219 W. 4th St., Main 4435.
Post-Glover Elec. Co., 308 West 4th st., Main 8.
Cleveland—Elliott Elec. Co., 813 Superior St., Main 6412.
Erner Elec. Company, 1240 Ontario, Main 7520.
Frank Reske, 922 The Arcade.
Dayton—Wm. Hall Elec. Company, 115 East 3rd St., Main 3424.
Toledo—F. Bissell Co., 812 LaFayette, Adams 846.
ORE.—Portland—Marshall Wells Company, 15th & Lovejoy, Broadway 3700.
PA.—Philadelphia—Colonial Electric Co., 932 Arch St.
Novelty Elec. Co., 54 N. 4th St., Market 3965.
Philadelphia Elec. Supply Co., 130 S. 11th St., Walnut 3965.
H. C. Roberts Elec. Co., 1101 Race St., Filbert 3616.
Pittsburgh—Doubleday-Hill Elec. Co., 719 Liberty St., Grant 1575.
Iron City Elec. Co., 436 7th Ave., Schenly 4890.
W. T. McCullough Elec. Co., 317 First St., Court 2420.
Robbins Elec. Co., 830 Liberty St., Grant 6780.
R. I.—Providence—Union Elec. Supply Co., 60 Pine St., Union 4523.
TENN.—Chattanooga—James Supply Co., 1104 Market St., Main 4800.
Memphis—Elec. Supply Company, 16 S. Lauderdale, Main 1600.
Nashville-Braid Elec. Co., 234 Second St., Main 47.
TEX.—Dallas—Southwest Gen. Elec. Co., 508 Interurban Bldg., X 2201.
UTAH.—Salt Lake City—Capitol Elec. Co., 310 West 2nd St.
Inter-Mountain Elec. Co., 43 East 4th St., Wasatch 354.
VA.—Richmond-Tower-Binford Elec. & Mfg. Co., 4th & Cary St., Madison 504.
WASH.—Seattle—Electric Sales Co., Will Caffray, 95 Connecticut St.
Fobes Supply Company, 560 First St., Elliott 4417.
Globe Electric Company, 313 Occidental, Elliott 1673.
W. VA.—Wheeling—Geo Electric Company, 16-14th St.
WIS.—Milwaukee—G Q Electric Co., 23 Erie St., Broadway 5400.
Kailing Company, 364 West Water St., Grand 1834.

Foreign:
London, Eng.—77 Rochester Row, Westminister.
Paris, France—43 Rue de Trevise, Ernest Demoly.
Toronto, Canada—331 King St., West, C. W. Bongard.

Hart Mfg. Co., H. C., Unionville, Conn.
Hart Mfg. Co., R. A., Battle Creek, Mich.
Hart Mirror Plate Co., Grand Rapids, Mich.
Hart Packing Co., 144 High, Boston, Mass.
Hart-Parr Co., Charles City, Ia.
Hart, Patrick, scrap iron, Newburgh, N. Y.
Hart, Patrick J., cornices, 44 Mechanic, Fitchburg, Mass.
Hart, R. A., machsts., Battle Creek, Mich.
Hart Roller Bearing Co., The, 55 Jefferson St., Orange, N. J.
Hart Sash Holder Co., Lexington, Mo.
Hart, S. W., & Son, masons' & bldrs.' matls. & contr., Minerva, Ohio.
Hart, T. T., Paper Co., Albany, Ind.
Hart, Thos. H., Co., machsts. & fndrs., 364 Atlantic av., Boston, Mass.
Hart, Wallace B., clothes washing machines, 8 E. 34th, New York.
Hart, Wm., coffee roasters, cooking apparatus, etc., 34 Catherine, New York.
Hart, Wm. C., Co., Inc., printers' rollers, 137H Greene, New York.
Hart-Wood Lumber Co., Gasco Bldg., Portland, Ore.
Hart-Wood Mill Co., lbr., Raymond, Wash.
Hartbauer, Dan'l, stone producers, 4109 Liberty av., Pittsburgh, Pa.
Hartel Bros. & Co., steel merchants, 307 Atlantic av., Boston, Mass.
Harter Co., lamp cord adjusters, Waukegan, Ill.

HARTER MFG. CO., 1856 Fulton St., Chicago.

Hartford Accident & Indemnity Co., Hartford, Conn.
Hartford Auto. Parts Co., Hartford, Conn.
Hartford Automotive Parts Co., universal joints & clutches, Dept. H. Russ & Lawrence, Hartford, Conn.
Hartford Blower Co., 618 Windsor st., Hartford Conn.
Hartford Bros., machsts. & fndrs., 463 Commercial, Boston, Mass.
Hartford Burial Case Co., 29 Allyn av., Hartford, Conn.
Hartford Canning Co., Hartford, Wis.
Hartford City Paper Co., Hartford City, Ind.
Hartford Const. Iron Works, 409 Front st., Hartford, Conn.
Hartford Contractors' Supply Co., mill & facty. supps., 409 Front st., Hartford, Conn.
Hartford Drop Forge Co., The, 846 Windsor St., Hartford, Conn.
Hartford, Edw. V., auto brakes, shock absorbers, 141 Morgan, Jersey City, N. J.
Hartford Electric Supply Co., 234 Pearl St., Hartford, Conn.
Hartford Engine Wks., mtlc. packing, 233 Sta., Hartford, Conn.
Hartford Faience Co., Hartford, Conn.
Hartford Fire Insurance Co., Hartford, Conn.
Hartford Grinding Co., 236 Albany Ave., Hartford, Conn.
Hartford, Inc., E. Y., Carbon Pl., Jersey City, N. J.
Hartford Iron Works, Inc., East Hartford, Conn.
Hartford Lumber Co., sash, door & blind, Hartford, Wis.
Hartford Lumber Co., The, Hartford, Conn.
Hartford Machine Screw Co., 476 Capital av., Hartford, Conn.
Hartford Mattress Co., Hartford, Conn.
Hartford Mill Supply Co., 133 Walnut, Hartford, Conn.
Hartford Plumbing Supply Co., Hartford, Conn.
Hartford Rubber Works, Hartford, Conn.
Hartford Shingle Co., Arlington, Wash.
Hartford Special Machinery Co., 287 Homestead av., Hartford, Conn.
Hartford Steam Boiler Inspection & Insurance Co., 56 Prospect av., Hartford, Conn.
Hartford Sterling Co., table silverware, Fernwood, Phila., Pa.
Hartford Time Switch Co., 71 Murray St., New York.
Hartford Twist Drill Co., The, 29 Lafayette St., Hartford, Conn.
Hartford Windshield Co., 1615 S. Los Angeles, Los Angeles, Calif.
Hartford Wire Wks., bed springs, 90 Allyn av., Hartford, Conn.
Hartig, Louis, masons' & bldrs.' matls., wholsale. hdwe., 1001 7th. N. W., Washington, D. C.
Hartig Standard Gas Engine Co., 69 Commercial St., Newark, N. J.
Hartig, W. F., Plow Co., 2200 1st av., Evansville, Ind.
Hartje Bros. Paper Co., Schmidt Bldg., Pittsburgh, Pa.
Hartley Boiler Works, Montgomery, Ala.
Hartley, C. J., Co., machsts., Peoria, Ill.
Hartley-Rose Belting Co., 425 1st Ave., Pittsburgh, Pa.
Hartley Shingle Co., lumber, Everett, Wash.
Hartley, W. H., Sons & Co., cornices & skylights, Cambridge, O.
Hartley Wire Die Co., The, 45-50 Jefferson st., Waterbury, Conn.
Hartline Mill & Elevator Co., flour, Hartline, Wash.
Hartlove Packing Co., canned goods, 14 N. Schroeder, Baltimore, Md.
Hartman Broom Co., Clay Center, Kans.
Hartman Bros., mattresses, Quincy, Ill.
Hartman Co., 1231-37 N. Front St., Philadelphia, Pa.
Hartman Co., Charles, 985 Dean St., Brooklyn, N. Y.
Hartman, E. F., Co., pads & tablets, Springfield, Ill.
Hartman Electrical Mfg. Co., Mansfield, O.
Hartman Fdry. Co., H. J., 16 Front St., S. W. Grand Rapids, Mich.
Hartman-Grelling Co., tubular boilers, Green Bay, Wis.
Hartman Hardware Co., McKeesport, Pa.
Hartman Ingot Metal Co., 2511 W. 21st, Chicago, Ill.
Hartman, J. H. B., Co., machsts. & fndrs., Millheim, Pa.
Hartman Mfg. Co., agricultural implements, Vincennes, Ind.
Hartman Trunk Co., 626 S. Michigan Ave., Chicago.
Hartman, W. E., & Sons, 422 E. 3d st., Los Angeles, Calif.
Hartman, Wm. T., cornices, Lyons, N. Y.
Hartmann-Malcolm Co., 847 N. Troy St., Chicago.
Hartmann, Neubert Lumber Co., cedar shingles, Seattle, Wash.
Hartmann, Robt., Co., cardboard signs, 309 E. 22d, New York (tr.).
Hartmann-Sanders Co., 2155 Elston Ave., Chicago.
Hartmann Trunk Co., Racine, Wis.
Hartmans' Freight Rate Service, 732 Federal St., Chicago.
Hartnett, J. A., & Bro., sash, door & blind mfrs., Dover, Del.
Hartnett, W. J., cornices, Easton, Md.
Harton Co., T. M. (Carousels), 2214 Farmers Bank Bldg., Pittsburgh, Pa.
Harton, Pembroke D., Co., machsts. & fndrs., Lawrence & Leigh, Philadelphia, Pa.
Hartranft, Frank, fertilizer mfrs., Coatesville, Pa.
Hartsburg & Hawksley Co., N. Aurora, Ill.
Hartsells Mach. Co., Hartsells, Ala.
Hartshorn, C. H., Gardner, Mass.
Hartshorn Co., Stewart (Shade Rollers), 250 Fifth Ave., New York.
Hartshorn, F. E., lbr. mfrs., 831 Chapel av., New Haven, Conn.
Hartson, L. M., Co., mill & facty. supplies & tex. machy., supplies, etc., N. Windham, Conn.
Hartsville Fertz. Co., Hartsville, S. C.
Hartsville Milling Co., flour, Hartsville, Tenn.
Hartsville Oil Mill, meal, Hartsville, S. C.
Hartsville Supply Co., mill & facty. supplies, Hartsville, S. C.
Hartung, Chas. F., Co., battery clips & hospital signals, Higgins Bldg., Los Angeles, Calif.
Hartvig-McLaurin Mfg. Co., dies, sheet metal stamping, etc., 329 Washington, Oakland, Calif.
Hartwell Bros., Chicago Heights, Ill.
Hartwell Bros., Inc., hickory handles, 68 Thomas, New York.
Hartwell, C. C., Co., Ltd., mill & facty. supplies, New Orleans, La.
Hartwell, C. L., & Co. See Hartwell Handle Co. (successors).
Hartwell Handle Co., Harvey, Ill.
Hartwell Iron Works, Houston, Tex.
Hartwell Mills, cotton sheetings, Hartwell, Ga.
Hartwell, R. M., Co., machy. dlrs., mill & steamfitters' supplies, 329 E. 2d, Los Angeles, Calif.
Hartwig & Kemper, chair manfrs., 405 W. Barre, Baltimore, Md.
Hartwig Co., Wm. J., 127 E. Jefferson av., Detroit, Mich.
Harty, Geo. M., Lbr. Co., Tacoma, Wash.
Harts Co., H. V., 2225 Ashland Blvd., Cleveland, O.
Hartzell, Geo. W., lumber mfrs., Dayton, Ohio.
Hartzell, George W., Piqua, O.
Hartzell, Walnut Propeller Co., Piqua, Ohio.
Harum, David, Canning Co., Homer, N. Y.
Harvard Co., dental chairs, 2206 13th N. E., Canton, O.
Harvard Electric Co., 2607 Flournoy St., Chicago.
Harvard Engng. School, Cambridge, Mass.
Harvard Piano Co., Dayton, Ky.
Harvey & Outerbridge, cod oil, 11 B'way, New York.
Harvey-Burden Const. Co., Central Natl. Bank Bldg., St. Louis, Mo.
Harvey Chemical Co., metal polish & carbon removers, Lafayette, Ind.
Harvey Coal & Coke Co., Macdonald, W. Va.
Harvey Co., Arthur C., Harvey Steel Rd., Brighton, Mass.
Harvey Co., mill & facty. supplies, 113 South, Baltimore, Md.
Harvey Fibre Carpet Co., Trenton & Allegheny av., Phila., Pa.
Harvey Furnace Co., 337 W. 38th, New York.
Harvey, Geo. E., machst., Lewiston, Me.

HARVEY-HANES MACHINE CORP., THE, 308-314 Terrace, Buffalo, N. Y.

Harvey, J. R., 727 Gasco Bldg., Portland, Ore.
Harvey, John, Fuel & Feed Co., Leadville, Colo.
Harvey Lbr. Co., Valdosta, Ga.
Harvey Machine Co., spec. machy., 1335 S. Los Angeles, Los Angeles, Cal.
Harvey Mill Co., lumber, Etna, Wash.
Harvey Milling Co., feed, Harvey, N. D.
Harvey Motor Truck Co., Harvey, Ill.
Harvey Paper Co., rope, Wellsburg, W. Va.
Harvey Spring Co., Racine, Wis.
Harvey Spring & Forging Co., Racine Jct., Wis.
Harvey, W. A., elec. toys & auto. lamps, Burn Bldg., Scranton, Pa.
Harvey, Wm., mattresses, Norristown, Pa.
Harvey, W. T., Lumber Co., Columbus, Ga.
Harvey, W. W., & Son, machsts. & fndrs., Constantine, Mich.
Harvey's, A., Sons, Mfg. Co., plumbers', steam fitters' & engineers', mill & facty. supplies, 210 1st, Detroit, Mich.
Harveysburg Fertilizer Co., Harveysburg, Ohio.
Harward, C. F., canned goods, Halls, Tenn.
Harward Mfg. Co., piston rings, 3939 Magnolia av., St. Louis, Mo.
Harwi Hardware Co., A. J., The, Atchison, Kan.
Harwood & Quincy Mach. Co., 50 Lagrange, Worcester, Mass.
Harwood & Son, 175 W. Broadway, New York.
Harwood & Son, Geo. S., 53 State St., Boston, Mass.
Harwood-Barley Mfg. Co., machsts. & fndrs., Marion, Ind.
Harwood Counter Co., Lynn, Mass.
Harwood, F. W., & Son, gold leaf, 30 Guilford av., Baltimore, Md.
Harwood, H., & Sons, baseball mfrs., Dept. H., Natick Mass.
Harwood's, H. J. Sons, see Jackson S. Byron (successors).
Harwood, L. A., machsts. & fndrs., Goshen, Ind.
Harwood, W. S., Lumber & Coal Co., Bloomington, Ill.
Harwood's, H. J., Sons, see Jackson S. Byron (successor).
Hasard, Wm., masons' & bldrs.' matls. & baling hay, Trumansburg, N. Y.
Hasbrouck-Bergen Co., elec. & gas light fixtures, 218 E. 41st, New York.

Hasbrouck, Chas. A., & Son, sash, door & blind mfrs., 863 3d av., New York.
Hasbrouck, Conrad E., whol. hdwe., Kingston, N. Y.
Hasbrouck Flooring Co., 501-509 E. 70th St., New York.
Hasbrouck, J. J., & Co., buhr-stones buggies, New Paltz, N. Y.
Hasburg, John W., Co., gold paint, 1119 N. La Salle, Chicago, Ill.
Hascall Paint Co., 1348 W. 70th St., Cleveland, O.
Haselbarth, C. R., & Son, machsts., Elk Lick, Pa.
Haselmire, John J., masons' mtls., Union City, Ind.
Haseltine, J. E., & Co., whol. hdwe., 43 2d, Portland, Ore.
Haseret, Francis H., Co., canned foods, 527 Woodland av., S. E., Cleveland, Ohio.
Hasey Heating Co., Wilmac Bldg., Minneapolis, Minn.
Haskall Mfg. Co., Wm. B., 24 Commerce St., Pawtucket R. I.
Haskard, John S., scrap iron, Plainfield, N. J.
Haskelite Mfg. Corp., 133 W. Washington St., Chicago.
Haskell & Barker Car Co., Inc., The, Michigan City, Ind.
Haskell & Davids, paint, 229 Water, Binghamton, N. Y.
Haskell Bros., trunk mfrs., 165 N. Green, Chicago, Ill.
Haskell-Carpenter Co., lbr., Cherry Grove, Ore.
Haskell-Dawes Machine Co., 176 Federal St., Boston, Mass.
Haskell, J. B., machst. & fndr., East Waterford, Me.
Haskell Mfg. Co., Wm. H., Pawtucket, R. I.
Haskell Quarry Co., Haskell, N. J.
Haskell Trunk Co., 218 N. Wells St., Chicago.
Haskew Lumber Co., So. Pittsburgh, Tenn.
Haskew, S. T., & Co., broom handles, Dept. H., Jackson, Tenn.
Haskins Art Glass Co., Rochester, N. Y.
Haskins Bros., & Co., Sioux City, Iowa.
Haskins Company, R. G., 516-520 W. Monroe St., Chicago.
Haskins Foundry Co., T. B., Dorrance and Canal Sts., Bristol, Pa.
Haskins, R., & Co., 2102 Dana av., Cincinnati, Ohio.
Haskins, Wm., & Son, lumber, 110 State, Boston, Mass.
Haslam Lime & Chemical Co., 916 Mulberry st., Scranton, Pa.
Haslam Lime Co., Scranton, Pa.

HASLETT CHUTE & CONVEYOR CO., Oaks, Pa.

Haslett Spiral Chute Co., The, 61st & Girard Ave., Philadelphia, Pa.
Hass Bros., quicksilver, 61 Broadway, New York.
Hass Co., Philip, 123 N. Webster, Dayton, O.
Hass, Hy., & Son, hdwe. mfrs., 1909 Pk. av., New York.
Hass, W. J., Mfg. Co., sheet metal wk., St. Paul, Minn (tr.).

HASSALL, INC., JOHN, Clay & Oakland Sts., Brooklyn, N. Y.

Hassell Iron Wks. Co., Colorado Springs, Colo.
Hasselbarth, C. R., & Son, machsts., Elk Lick, Pa.
Hasselbarth, C. O. (Spring Beds, etc.), Albany, N. Y.
Hasselbarth-Whiton Co., bedsteads & woven-wire mattresses, Utica, N. Y.
Hassenbruch, Herman, Co., wholesale hdwe., 8 N. 5th, Philadelphia, Pa.
Hassinger Lbr. Co., Konnarock, Va.
Hassler, Fred'k, archl. iron, 2 Sullivan, Brooklyn, N. Y.
Hassler, Inc., Robert H., 3641 Washington Blvd., Indianapolis, Ind.
Hassler, S. R., flour, Rocky Face, Ga.
Hasson, Holt & Nance, whol. hdwe., Morristown, Tenn.
Hastings & Co., saw mfrs., 49 Commercial, Newark, N. J.
Hastings & Co., 817-821 Filbert St., Philadelphia, Pa.
Hastings & Morrison, 1510 Washington Ave., Philadelphia, Pa.
Hastings, A. W. & Co., sash, door & blind, 134 Friend, Boston, Mass.
Hastings Cabinet Co., Hastings, Mich.
Hastings Casket Mfg. Co., Hastings, Minn.
Hastings Cut Stone Co., Main c. 7th av., S. E., Minneapolis, Minn.
Hastings Equity Grain Bin Mfg. Co., chutes, portable houses, Hastings, Neb.
Hastings Foundry & Iron Works, Hastings, Neb.
Hastings Industrial Co., refrigeration engrs., 326 W. Madison, Chicago, Ill.
Hastings, J. M., Lumber Co., 541 Wood, Pittsburgh, Pa.
Hastings, J. W., & Son, flour mills, Big Sandy, Tenn.
Hastings, M. E., cornices, New York Mills, N. Y.
Hastings Mfg. Co., Hastings, Mich.
Hastings Mfg. Corp., cream separators, Dept. H., Goshen, Ind.
Hastings Pavement Co., 25 Broad St., New York.
Hastings Packing Co., Laurel, Del.
Hastings Sporting Goods Wks., Hastings, Mich.
Hastings, W. S., & Sons, fertilizer mfrs., Atglen, Pa.
Hastings Wool Boot Co., Hastings, Mich.
Hasty, J. F., & Sons, box shooks, 21st & Standish, Detroit, Mich.
Haswell Steel Range & Furnace Co., Circleville, Ohio.
Hatboro Foundry Co., Hatboro, Pa.
Hatch & Bailey Co., masons' & bldrs.' matl., S. Norwalk, Conn.
Hatch & Barnes Co., sash, door & blind mfrs., 196 Union pk., Worcester, Mass.
Hatch, A. S., Lbr. Co., Half Moon Bay, Calif.
Hatch Bros., leather, 87 Gold, New York.
Hatch, E. W., metallic packing, 14 L., Boston, Mass.
Hatch, E. W., & Son, corn brooms, Union City, Pa.
Hatch, F. E., Co., machsts., 93 Crosby, New York.
Hatch Hdwe. Co., cornices, Union City, Pa.
Hatch, Hugh Camden, N. J.
Hatch, James N., 53 W. Jackson Blvd., Chicago.
Hatfield & Scott, steam fitters' supplies, Troy, Ohio.
Hatfield Co., Geo. E., 314 Flushing Ave., Brooklyn, New York.
Hatfield Electric Co., 102 S. Meridian St., Indianapolis, Ind.
Hathaway, O. H., Co., roll coverers, Central Falls, R. I.
Hattaway & Co., turpentine, Bluffton, Ga.
Hatheway Mfg. Co., metal stampings, Bridgeport, Conn.
Hatheway & Reynolds, sweaters, cardigans, etc., Orisksany Falls, N. Y.
Hathorne, A. G., Co., cornices, Burlington, Vt.
Hatt, J. William, 123 Plane St., Newark, N. J.
Hattel-Ackerson-Hahn Co., 627 S. San Pedro, Los Angeles, Calif.
Hatten Brick Co., 9th & Lindley av., Philadelphia, Pa.
Hatten, I. E., Lumber Co., cake, door & blinds, Springfield, Mo.
Hatten Lumber Co., New London, Wis.
Hatten, T. B., Co., 1600 E. Washington, Los Angeles, Calif.
Hatten, Wm. S., 30 E. Jackson Blvd., Chicago.
Hatter, T. A., & Son, lumber mfr., Creola, Ala.
Hatteroth, Wm., surgical instruments, 228 Powell, San Francisco, Calif.
Hattiesburg Creosoting Co., Hattiesburg, Miss.
Hatzel & Buehler, Inc., 373 4th Ave., New York.
Haubtman & Loeb Co., New Orleans, La.

HAUCK MANUFACTURING CO., 136 10th st., Brooklyn, N. Y.

Hauck & Brown Leather Co., Joliet, Ill.
Hauck, A. B., stone producers, Lebanon, Pa.
Hauck Bros., Mechanicsburg, Pa.
Hauck, Chas. F., & Co., cornices, Springfield, Ohio.
Hauck, Michael, cornices, 1351 Cedar, Cincinnati, Ohio.
Hauenstein, Alfred G., Lbr. Co., 3050 Main, Buffalo, N. Y.
Hauer, Daniel J., consulting engineer, 11 E. Lexington, Baltimore, Md.
Haugh, J. G., & Co., baling presses, Bassom, Ohio.
Haugh, T. M., tubular boilers, Mannington, W. Va.
Haughton Elev. & Mach. Co., 679 Spencer, Toledo, Ohio.
Haupt Constr. Co., Merritt Bldg., Los Angeles, Calif.
Hauptman, A., cup strainers, 23 Leonard, New York.
Hauptman, Isidor, 217 Broome St., New York.
Hausburg, E. O., watchman's clocks, 45 Maiden la., New York.
Hauschildt & Ekins, leather belting, 222 Center, New York.
Hause, Chas. F., Mfg. Co., plbrs. supplies, Omaha, Neb.
Hausen, Carl P., flooring, 1355 Delaware, Berkeley, Calif.
Hauser & Weil, advtg. nov., 424 W. 33d, New York.
Hauser Lumber Co., Franklin, Minn.
Hauser Packing Co., 19th & Mateo, Los Angeles, Calif.

HAUSER-STANDER TANK CO., THE, Ammon Ave., & B. & O. Ry., Cincinnati, O.
Pres.—S. Hauser, Jr.
V. P.—A. J. Hauser.
Sec. & Treas.—L. Stander.

Hauser Shade Cloth Co., Chicago Heights, Ill.
Hauser Window Co., 1368 Harrison, San Francisco, Calif.
Hauserman Co., E. F., 1729 E. 22nd St., Cleveland, O.
Hausfeld Co., see Campbell-Hausfeld (successor).
Hausling, F. M., waterproofing materials, 265 Badger av., Newark, N. J.
Hausman & Wimmer Co., 25th & A. V. R. R., Pittsburgh, Pa.
Hausmann Mfg. Co., binder attachments, Long Prairie, Minn.
Hausmann, Otto, & Co., organs, 1208 Kinnickinnic, Milwaukee, Wis.
Hausse, Aug., & Co., furniture, 869H Weed, Chicago, Ill.
Haussmann & Dunn Co., 708 S. Clark St., Chicago.
Hauthaway & Sons, C. L., 346 Congress St., Boston, Mass.
Havana Mfg. Co., Havana, Ill.
Havana Metal Wheel Co., Havana, Ill.
Havell Mfg. Co., 284 Washington St., Newark, N. J.
Haven Malleable Castings Co., Cincinnati, Ohio.
Haven, R. H., & Son, copper wire, Bridge & Front, Grand Rapids, Mich.
Havens Oil Co., Washington, N. C.
Haverford Coll., engng. school & coll., Haverford, Pa.
Haverhill Box Board Co., Haverhill, Mass.
Haverhill Construction Co., Haverhill, Mass.
Haverhill Machine Co., Haverhill, Mass.
Haverhill Tack Co., Haverhill, Mass.
Haverhill Wood Heel Co., Haverhill, Mass.
Haverstick & Co., 60 Exchange Pl., Rochester, N. Y.
Haverstick Construction Co., Noblesville, Ind.
Haverty Co., Thomas, 316 E. 8th St., Los Angeles, Cal.
Haviland & Co., Theo., 200-5th Ave., New York.
Haviland Shade Roller Co., 407 Broome St., New York.
Haviland Clay Works, Haviland, Ohio.
Haviland, L. P., canned goods, Camden, N. Y.
Haw Creek Leather Co., Columbus, Ind.
Haw Hardware Co., Ottumwa, Ia.
Hawaiian Pineapple Co., Ltd., 112 Market St., San Francisco, Calif.
Hawbolt, Chas. H., sheet metal doors, 57 Union, Portland, Me.
Hawes & Dodd, mosaic floor. mantels, 59 E. Adams, Chicago, Ill.
Hawes, C. L., Ashtabula, Ohio.
Hawes, E. A., Jr., lumber, Atkinson, N. C.
Hawes, Edwin Co., heating contr., 806 Main, Worcester, Mass.
Hawes, J., Mfg. Co., toys, games & nov., Towanda, Pa.
Hawes, R. H., Const. Co., Witherspoon Bldg., Philadelphia, Pa.
Hawes, S. H., & Co., masons' & builders' materials, 1801 E. Cary, Richmond, Va.
Hawes, Willard, & Co., lumber, Lewis & 7th, New York.
Hawesville Hub Mfg. Co., Hawesville, Ky.
Hawgood Tire Equipment Co., rubber vulcanizers, Indianapolis, Ind.
Hawk & Parr, Cotton Exch. Bldg., Oklahoma City, Okla.
Hawker Mfg. Co., W. S., 458 E. Bacon St., Dayton, O.
Hawkes, E. M., granite, Rochester, N. H.
Hawkes, L. W., & Co., mattresses, Lowell, Mass.
Hawkes, Levi, & Co., furniture, Dept H, Lowell, Mass.
Hawkes, T. G., & Co., glass tumblers, Corning, N. Y.
Hawkey Feldstone Co., Mead, Spokane, Wash.
Hawkey Fuel Co., Terminal Bldg., Spokane, Wash.
Hawkeye Adtg. Co., spec., Clarinda, Ia.
Hawk-Eye Compound Co., Seeley Ave., I. H. B. Track, Blue Island, Ill.
Hawkeye Lightning Rod Co., Cedar Rapids, Ia.
Hawkeye Fdry. Co., machsts. & fndrs., Waterloo, Ia.
Hawkeye Lumber & Coal Co., masons' & bldrs.' matls., Cedar Rapids, Ia.
Hawkeye Lumber Co., Oskaloosa, Ia.
Hawkeye Mfg. Co., machy., Waterloo, Iowa.
Hawkeye Oil Co., Waterloo, Ia.
Hawkeye Pearl Button Co., Muscatine, Ia.
Hawkeye Portland Cement Co., Des Moines, Ia.
Hawkeye Pump Co., poultry coops, Fairfield, Ia.
Hawkeye Supply Co., plumbers' supplies, jobbers, Mason City, Ia.
Hawkeye Truck Co., Sioux City, Ia.
Hawkeye Wrench Co., Marshalltown, Ia.
Hawkins & Co., 122 S. Michigan Ave., Chicago.
Hawkins Co., tacks, animal traps, South Britain, Conn.
Hawkins, H. J., machsts. & fndrs., Downers Grove, Ill.
Hawkins Hardware Co., Hattiesburg, Miss.
Hawkins, Rollyn, hot air furnaces, 914 Elm, Indianapolis, Ind.
Hawkins, Wilson Co., machsts., 712 Sansom, Philadelphia Pa.

HAWKRIDGE BROS. CO., 303 Congress st., Boston, Mass.

Hawks Hardware Co., Goshen, Ind.
Hawks-Maupin Co., hdwe. & bldrs.' matls., Portsmouth, Va.
Hawley & Cheadle Construction Co., Clinton, Ia.
Hawley, Chas. B., & Co., civil engnr., P. O. Box 313, Clarion, Pa.
Hawley Down Draft Furnace Co., Easton, Pa.
Hawley, E. J. & C. H., machsts. & fndrs. & stone working machy., Manchester, Vt.
Hawley Glass Co., bottles, glass, Hawley, Pa.
Hawley Hdwe. Co., 1120 Main st., Bridgeport, Conn.
Hawley, Hughson, arch'l water colorists, 1 Union sq., New York.
Hawley, John, lbr., Ontonagon, Mich.
Hawley-Joselyn Mfg. Corp., 41 Perry St., Buffalo, N. Y.
Hawley Mfg. Co., cork pullers, Stepney, Conn.
Hawley Pulp & Paper Co., Oregon City, Ore.
Hawley Produce & Storage Co., masons' & bldrs.' matls., Perry, N. Y.
Hawley School of Engng., Boston, Mass.
Haworth Co., John, 1020 Chestnut St., Philadelphia, Pa.
Haws, Inc., Geo. A., 395 Broadway, New York
Haws' Plating Works, 1808 Harmon, Berkeley, Calif.
Haws Refractories Co., Johnstown, Pa.
Haws, Samuel R., & Sons, contractors, Ardmore, Pa.
Haws Sanitary Drinking Faucet Co., 1808 Harmon, Berkeley, Calif.
Haws, Wm., pckg. box mfrs., 154 9th, Brooklyn, N. Y.
Hawthorn Pottery Co., Hawthorn, Pa.
Hawthorne Co., The, Fairfield, Conn.
Hawthorne Furniture Shops, 1200 E. 8th, Los Angeles, Calif.
Hawthorne Hdwe. Co., Elgin, Ill.
Hawthorne, Lewis Co., sash, door & blind mfrs., 47 Chestnut, New Haven, Conn.
Hawthorne Mfg. Co., Bridgeport, Conn.
Hawthorne Paper Co., Kalamazoo, Mich.
Hawxhurst, O. B., & Sons, elec. light fix. mfrs., 162 Pine, Providence, R. I.
Hay & Peabody Casket Co., Woodford's Station, Portland, Me.
Hay & Ratcliffe, Columbus, O.
Hay-Budden Mfg. Co. 254 N. Henry St., Brooklyn, N. Y
Hay Fndry. & Iron Wks., Plum Point la., Newark, N. J.
Hay Hardware Co., Oshkosh, Wis.
Hay, Houston Axle Co., Coshocton, Ohio.
Hay, John, granite prod., Hardwick, Vt.
Hay Lumber Co., Spring Grove & June, Cincinnati, O.
Hay Tool Mfg. Co., alfalfa stackers, Council Bluffs, Ia.
Hay Trade Journal Publishing Co., Canajoharie, N. Y.
Hay Walker Brick Co., Farmers Bank Bldg., Pittsburgh, Pa.
Hayde, S. J., Co., contrs., Cliff dr. & Woodland av., Kansas City, Mo.

HAYDEN & DERBY MFG. CO., see Manning, Maxwell & Moore, Inc. (Successors), New York.

HAYDEN & WESTCOTT LUMBER CO., 823 Railway Exchange, Chicago.
Pres. & Treas.—Harvey S. Hayden.
V. P.—Charles Westcott.
Secy.—V. S. Wood.
Hattiesburg, Miss.
Spokane, Wash.

Hayden Bros., lbr., Hollis, N. H.
Hayden Co., interior hardwood work, 450 Park av., New York.
Hayden, E. W., Co., polishing mops & furniture polish, Toledo, Ohio.
Hayden Hardware Co., Windsor, Mo.
Hayden, Harold A., arch., 175 Main, Bristol, Conn.
Hayden, J. M., Co., mill & facty. supplies, Grand Rapids, Mich.
Hayden, K. M., masons' mtls., 22 Battery, San Francisco, Calif.
Hayden, L. S., machsts. & fndrs., Essex, Conn.
Hayden Machinery Co., Alton, Ill.
Hayden, Samuel H., shoe patterns, Haverhill, Mass.
Hayden Supply Co., 236 Pearl St., Grand Rapids, Mich.
Hayden, W. B., & Sons Co., masons' & bldrs.' matls., Cassopolis, Mich.
Hayden, Wm., Milling Co., wheat flour, Tecumseh, Mich.
Haydenville Button Co., Haydenville, Mass.
Haydenville Co., The, (Brass & Iron Gds.), Haydenville, Mass.
Haydon, A. & M., 304 N. 22nd St., Philadelphia, Pa.
Hayes & McFerrin, flour mills, Readyville, Tenn.
Hayes & Miller Co., auto. wood bodies, 518 W. 57th, New York.
Hayes, A. W., masons' & bldrs.' matls., Joliet, Ill.
Hayes, C. H., Corporation, lbr., Haverhill, Mass.
Hayes, C. I., elec. ovens, 9 King av., Providence, R. I.
Hayes, Chas. E., 34 Taylor St., Springfield, Mass.
Hayes Co., A. L., 4th & 1st Blvd., Nashville, Tenn.
Hayes Co., Geo., 55 John St., New York.
Hayes Constr. Co., Dunkirk, Ind.
Hayes-Diefenderfer Co., Inc., 1872 Broadway, New York.
Hayes Duster & Brush Co., 64-66 Lispenard St., New York.
Hayes, E. B., Machy. Co., mill & facty. supplies, Marshall, Tex.
Hayes, E. B., Machy. Corp., Oshkosh, Wis.
Hayes Equipment Co., machinery, mill & factory supplies, National Bldg., Cleveland, Ohio
Hayes File Co., 474 Franklin St., Detroit, Mich.
Hayes-Ionia Co., (Stamping), Muskegon St., N. W. Grand Rapids, Mich.
Hayes-Ionia Co., auto. metal bodies, Ionia, Mich.
Hayes, J. L., & Co., masons' & bldrs.' matls., Lewiston, Me.
Hayes, Jos. A., escutcheons, 13 Tremont, Boston, Mass.
Hayes Loom, Reed & Harness Co., Woonsocket, R. I.
Hayes-Lucas Lumber Co., Winona, Minn.
Hayes Mfg. Co., range boilers, Paterson, N. J.
Hayes Mfg. Co., 4525 Mayberry Gd., Detroit, Mich.
Hayes Motor Truck Wheel Co., St. Johns, Mich.
Hayes, P. J., & Co., exhaust & blow piping, 1828 E. 3d, Spokane, Wash.
Hayes Pump & Planter Co., Galva, Ill.
Hayes, R. L. & M. H., carriages, 203 E. Town, Columbus, & Cleveland, Ohio.
Hayes Run Fire Brick Co., Orviston, Pa.
Hayes-Ruppel Mfg. Co., closet tanks & seats, Ottawa & Louis, Grand Rapids, Mich.
Hayes Textile Co., underwear, Oswego, N. Y.
Hayes Track Appliance Co., Richmond, Ind.
Hayes Wheel Co., Jackson, Mich.
Hayman & Co., Michael, E. Ferry and Kehr Sts., Buffalo, N. Y.
Hayman, Jos. C., masons' & bldrs.' matls., Racine, Ohio.
Hayner Co., Norman C., Union Trust Bldg., Rochester, N. Y.
Hayner, Geo. M., paper twine, 541 W. 56th, New York.
Hayner, J. M., & Co., canned gds., So. Lebanon, O.
Haynes & Chalmers Co., whol. hdwe., Bangor, Me.
Haynes & Co., numbering machs., steel stamps, etc., 75 Westminster, Providence, R. I.
Haynes Automobile Co., Kokomo, Ind.
Haynes Bros. Co., sashes, doors & blinds, Cadillac, Mich.
Haynes, Chas., architect, Mehlhorn Bldg., Seattle, Wash.
Haynes Corp., 1st Natl. Bank Bldg., Chicago.
Haynes Hardware Co., Emporia, Kans.
Haynes, Langenberg Mfg. Co., 4045-57 Forest Park Blvd., St. Louis, Mo.
Haynes Lumber Co., Port Huron, Mich.
Haynes, M., road machy., 4045 E. 12th, Oakland, Calif.
Haynes Machinery Co., 140 E. Larned St., Detroit, Mich.
Haynes Mach. Co., Vanburen, Ind.
Haynes Mattress Factory, Sealy, Tex.
Haynes, O'Gara & Haynes, 1820 E. Slauson, Los Angeles, Calif.
Haynes Stellite Co., tool steel, etc., Kokomo, Ind.
Haynes-Walker Co., lbr., Paden, Miss.

Hays & Sons, E. F., Chicora, Pa.
Hays, Alden F., masons' & bldrs.' matls., Sewickley, Pa.
Hays Corporation, Jos. W., Michigan City, Ind.
Hays, Ed. R., & Son, contrs., Flatiron Bldg., Atlanta, Ga.
Hays, G. W., & Son, cornices, Washington, Pa.
Hays, Geo. W., ladders, 228 5th, Milwaukee, Wis.

HAYS MFG. CO. (brass & iron products for plumbing), Erie, Pa.

Hays, O. G., lumber, Kell, Ill.
Hay's Sons, Samuel W., Keenan Bldg., Pittsburgh, Pa
Hayssen Mfg. Co., bakers' machy., Sheboygan, Wis.
Hayt, S. T. (Est. of), flour mills, Corning, N. Y.
Hayton Pump & Blower Co., Appleton, Wis.
Hayward & Co. Elmira, N. Y.

HAYWARD COMPANY, THE, 50 Church St., New York.

Hayward, S. F., Co., fire extinguishers, mine rescue apparatus, etc., 250 W. 54th, New York.
Haywood Foundry Co., 103 S. Harding, Indianapolis, Ind.
Haywood Tire & Equipment Co., 526 N. Capitol St. Indianapolis, Ind.
Haywood, Wm. T., architect, Mt. Gilead, N. C.
Hazard Advertising Corp., advertising counselors, 7 E. 42d, New York.
Hazard Gould & Co., machy. dlrs., San Diego, Calif.
Hazard Lead Works, Inc., Hazardville, Conn.
Hazard Mfg. Co., Wilkes-Barre, Pa.
Hazard Motor Co., machsts., Hazard, Ky.
Hazel-Atlas Glass Co., Wheeling, W. Va.
Hazel Dell Slate Co., roofing slate mfrs., Slatington, Pa.
Hazel Hill Canning Co., Fredericksburg, Va.
Hazel Mill Co., lbr. mfrs., Blanchard, Wash.
Hazeldine, E. T., Co., 231 S. 1st, Terre Haute Ind.
Hazell, Inc., A. M. (Dockbuilder and Contractor), 26 Cortlandt St., New York.
Hazelton Bros., 637 W. 55th, New York.
Hazelwood & Clauson, contrs., Cumberland, Md.
Hazen-Brown Co., rubber goods, Brockton, Mass.
Hazen Brown Co., Boston, Mass.
Hazen, H. C., Contracting Co., 2070 Reading rd., Cincinnati, Ohio.
Hazen Mfg. Co., Hudson, Mich.
Hazen, Wayne S., agricultural implements, Ripon, Wis.
Hazle Brook Coal Co., 1727 Land Title Bldg., Philadelphia, Pa.
Hazle Brook Colliery, Hazle Brook, Pa.
Hazlehurst Mach. Shop, Hazlehurst, Miss.
Hazlehurst Oil Mill & Fertilizer Co., Hazlehurst, Miss.
Hazleton-Fitch Co., mill & facy. supplies, Pontiac, Mich.
Hazleton Hardware Co., Hazleton, Pa.
Hazleton Iron Wks. Co., machsts. & fndrs., Hazleton, Pa.
Hazleton Machy. & Supply Co., Hazleton, Pa.
Hazleton Mfg. Co., coffins, Hazleton, Pa.
Hazleton Steam Htg. Co., Hazleton, Pa.
Hazlett Mfg. Co., Kearney, Neb.
Heacock Sash & Door Co., 212 1st, Portland, Ore.
Head Lumber Co., Prescott, Ariz.
Headfort Bros. & Hitchins Fdry. Co., Waterloo, Ia.
Headland Fertilizer Works, Headland, Ala.
Headley & Adams, sash, door & blind mfrs., Ocean City, N. J.

HEADLEY GOOD ROADS CO., Franklin Trust Bldg., Philadelphia, Pa.
Chicago—409 Monadnock Building.
Indianapolis, Ind.—911 Hume-Mansur Bldg.
West Medford, Mass.—56 Irving Street.

Headley Pine Co., Uniform, Ala.
Headley, Samuel H., contractor, Atlantic City, N. J.
Headman, Aug. G., architect, New Call Bldg., San Francisco, Calif.
Heafey, Moore & McNair, contrs., 2030 High, Oakland, Calif.
Heald, John H., & Co., tanning & bark extracts, Lynchburg, Va.
Heald Machine Co., Barber Crossing, Worcester, Mass.
Heald & Sons, A., Milford, N. H.
Heald's Engineering & Automobile School, 1101 Sutter, San Francisco, Calif.
Heakin, Harold L., architect, 4801 Broadway, Kansas City, Mo.
Heale & Co., J. A., 81 Chambers St., New York.
Healey & Co., stor. battery trucks & carriages, 252 W. 68th, New York.
Healey-Bedson Pottery Co., Trenton, N. J.
Healey Brass & Foundry Co., The Peter, Evansville, Ind.
Healey, Geo. R., Mfg. Co., felt novelties, 848 Santee, Los Angeles, Calif.
Healey, Henry J., architect, 49 Irving pl., New York.
Healey, P. J., foundation, boring & sewer cleaning con-
Healey, Peter, fndrs., 201 S. 1st, Evansville, Ind.
tractors, 26 Cortlandt, New York.
Health Hog Oiler Co., Kenton, Ohio.
Health-Merry-Go-Round Co. (Carousels), Quincy, Ill.
Healy, John E., & Son, contrs., Dept H, Wilmington, Del.
Healy, Michael, boilers, Toledo, Ohio.
Healy-Ruff Co., Plymouth Bldg., Minneapolis, Minn.
Healy-Tibbitts Constr. Co., 9 Main, San Francisco, Calif.
Healy's, S. A., Sons, wood handles, West Chesterfield, Mass.
Heaney Mfg. Co., metal polish, 10 Ind. sq., Boston, Mass.
Heaney, Nicholas L., stone producers, Point Pleasant, Pa.
Heaney, P. J., Co., masons' & bldrs.' matls., 1363 Westchester av., New York.
Heap & Sons, Wm., Grand Haven, Mich.
Heap, Thos., masons' & bldrs.' matls., Urbana, Ohio.
Heaphy, Wm. A., masons' & bldrs'. matls., Lee, Mass.
Heard Bros., fertilizer, Macon, Ga.
Heard, Cardwell & Craighill, architects, Danville, Va.
Heard Lbr. Co., 106 Bay St., W. Savannah. Ga.
Hearn, J. C., mach. wks., 115 Vine, Columbus, Ohio.
Hearn, John J., Constr. Co., 10 E. 43d, New York.
Hearne Bros. & Co., coffins, Whitakers, N. C.
Hearne, Robt. J., see Durbrow & Hearne (successors).
Hearne Timber Co., Times Bldg., St. Louis, Mo.
Hearsey, H. T. Co., auto accessories (jobbers), 245 Mass. av., Indianapolis, Ind.
Heartick, E. G., cornices, 915 E. Broadway, Louisville, Ky.
Heartley Machine, Variety, Iron & Tool Wks., 900 Summit, Toledo, Ohio.
Heat Control Service Co., Inc., thermostats, etc., 759 Park pl., Brooklyn, N. Y.
Heat & Power Corp., heating contractors, 424 E. Saratoga av., Baltimore, Md.
Heath & Milligan Mfg. Co., (Paint Mfrs.), 1833 Seward St., Chicago.
Heath, Edmund F., & Son, rubber & enamel carriage cloth, 225 Warren, Newark, N. J.
Heath Engineering Laboratories, elec., signaling devices & sirens, 114 Sansom, San Francisco, Calif.
Heath, F. L., feed & flour mills, Corry, Pa.
Heath, Geo. W., & Co., fountain pen mfrs., 208 1st, Newark, N. J.
Heath Grate Bar Co., 333 Wash., Boston, Mass.
Heath, J. S., Co., arch'l bronze, Franklin & Ontario, Chicago, Ill.
Heath-Johnson Co., ornamental iron workers, 300 W. Ontario, Chicago, Ill.
Heath, Robt., machst., Binghamton, N. Y.
Heath Samuel Co., masons' & bldrs.' matls., Trenton, N. J.
Heath Stove & Heating Co., 503 W. Franklin, Baltimore, Md.
Heath, Wm. G., & Co., heating contrs., 60 Friendship, Providence, R. I.
Heathcock-Rush Mach. Co., Jackson, Tenn.
Heathcote, John, & Son, cloth & wool dryers, 212 Eddy, Providence, R. I.
Heathcote, S. E., & Co., flannels, blankets, woolens, Glen Rock, Pa.
Heather, R., Co., elec. & gas light fixtures, 19 W. 36th, New York.
Heatherman, Patrick, stone producer, Urbana, Ohio.
Heating Supply & Repair Co., cooking appliances, Elizabeth, N. J.
Heating & Ventilating Magazine, 1123 Broadway, New York.
Heaton, Arthur B., 1211 Conn. av., N. W., Washington, D. C.
Heaton, Butler & Bayne (Ltd.), glass stainers, 437 5th av., New York.
Heaton Peninsular Button Fastener Co., 65 Shirley, Boston, Mass.
Heaton & Senft, harness, saddles, etc., Waco, Ga.
Heaton, S. W., 1802 Chestnut St., Philadelphia, Pa.
Heaton & Vierling, trunk mfrs., 21 W. 3d, New York.
Heatwele, J. S., & Co., architects, Harrisonburg, Va.
Heavy Hardware Co., 320-32 Vance St., Toledo, O.
Heavens, H. A., & Co., Inc., 427 Westlake, N., Seattle, Wash.
Hebard, Chas., & Sons, lumber, Pequaming, Mich.
Hebard, W. F., 551 W. Van Buren St., Chicago.
Hebb, Geo. A., machsts., 70 William, Newark, N. J.
Hebb, H. W., Supply Co., marine hdwe., mill & steamfitters' supplies, 140 E. Bay, Jacksonville, Fla.
Hebb Motors Co., auto bldrs., Lincoln, Neb.
Hebbard, W. S., architect, 411 S. Main, Los Angeles, Calif.
Hebendahl, J. P., Co., clamps & insulators, Elizabeth, N. J.
Hebern Electric Code, Inc., machy., Oakland Bank Bldg., Oakland, Calif.
Hebert Mfg. Co., piston rings, Franklin, N. H.
Hebing, Henry & Sons, whol. hdwe., 107 North, Rochester, N. Y.
Heborn Fire & Pressed Brick Co., Heborn, N. Dak.
Hechler, V., Packing & Commission Co., meat packers, Richmond, Va.
Heck, A. B., canned goods, Buchanan, Va.
Heck, G. J., machst., St. Paul, Minn.
Heck Motor Car Co., Hamilton, Ohio.
Heck, Wm., harness, saddles, California, Mo.
Heckenhauer, C. F., carriages, Muncie, Ind.
Hecker Co., A. S., 8701 Union Ave., Cleveland, O.
Hecker Electric Works, fixtures, 2214 10th, Sacramento, Calif.
Hecker-Jones-Jewell Milling Co., farina, 40 Corlears, New York.
Hecla Coal & Coke Co., bituminous, Olive Bldg., Pittsburgh, Pa.
Hecla Iron Works, 118 N. Eleventh St., Brooklyn, N. Y.
Heckman, H. R., & Co., architects, 1604 Mineral Springs rd., Reading, Pa.
Heckmard & Sons, M., Canton, Ill.
Heco Envelope Co., 351-363 E. Ohio St., Chicago.
Hedason Mfg. Co., 1041 State St., New Haven, Conn.
Hedenberg, James W., maps, 1461 Hollywood av., Chicago, Ill.
Hedden, Chas. R., Co., contrs., Prudential Bldg., Newark, N. J.
Hedden Iron Construction Co., W. Elizabeth, N. J.
Heddles Lumber Co., Madison, Wis.
Heddon, Jas., & Son, fishing rods, Dowagiac, Mich.
Hedgecock Brick Co., Walnut Cove, N. C.
Hedgecock, R. W., brick, Winston-Salem, N. C.
Hedges & Bro., 10 Railroad Pl., Newark, N. J.
Hedges-Atkins Supply Co., The, 1730 Blake st., Denver, Colo.
Hedges Construction Co., Springfield, Mo.
Hedges, C. E., mach. & fndr., Lincoln, Neb.
Hedges, Sam'l P., machsts., Greenport, N. Y.
Hedlund Box & Lumber Co., Stone & E. Broadway, Spokane, Wash.
Hedman Mfg. Co., check protectors, 1158 Center av., Chicago, Ill.
Hedstrom-Barry Co., 618 Sherman St., Chicago.
Hedstrom & Ryan, 215 Market, San Francisco, Calif.
Heebner, Geo. K., contractor, 1231 Vine, Philadelphia, Pa.

HEEBNER & SONS, Lansdale, Pa.

Heekin Can Co., Park & Forest, Norwood, Cincinnati, O.
Heer Bros., htg. contrs., 1 N. Paca, Baltimore, Md.
Heer Engine Co., Portsmouth, Ohio.
Heer, L. L., machsts. & fndrs., North Yakima, Wash.
Heer, Peter, Paper Box Co., 213 Institute pl., Chicago.
Heeren Brothers Co., Penn & 8th Sts., Pittsburgh, Pa
Hees, MacFarlane Co., window shade mfrs., 3297 Hubbard, Detroit, Mich.
Heeson Bros. Co., agricultural implements, Tecumseh, Mich.
Heeter, C. M., Sons & Co., machinists, Butler, Pa.
Hefman, John, Co., office wardrobes, Rochester, N. Y.
Hefner & Maysills, machsts. & brass fndrs., Grafton, W. Va.
Hefner, O. V., cornices & skylights, Bluefield, W. Va.
Heffelfinger Co., masons' & bldrs.' matls., Hampton, Va.
Hefferman Dry Dock Co., 701 Harbor av., Seattle, Wash.
Heffernan Engine Works, 108 R. R. S., Seattle, Wash.
Heffernan, Jas. P., Paper Co., 25 Water, New York.
Heffly Inst., engng. schools & coll., 243 Ryerson av., Brooklyn, N. Y.
Heffner, Dietrich & Co., masons' & bldrs.' matls., Kutztown, Pa.
Heffner Lbr. & Coal Co., Elwood, Ind.
Heffron & Fitzgerald, contrs., Rochester, Minn.
Hegan-Magruder Co., wood mantels, Louisville, Ky.
Hege & Co., masons' & bldrs.' matls., Columbus, Ind.
Hegeler Zinc Co., Danville, Ill.
Hegeman-Castle Corp., 80 E. Jackson Blvd., Chicago.
Hegeman & Ward, mill & facty. supplies, 43 South, New York.
Hegener, Rudolph Co., sash, door & blinds mfrs., 1545 E. 61st, Chicago, Ill.
Hegewald, Chas., Co., machsts. & fndrs., New Albany, Ind.
Heggie & Sons, Inc., Jas. G. (Boilers), Joliet, Ill.
Heggie Boiler Works, Wm., steel plate wks., Joliet, Ill.
Heginbottom, S. H., & Sons, locomotive bell ringers, Saginaw, Mich.
Hegner Const. Co., contrs., Appleton, Wis.
Hegt Inc., Herman J., 309 Broadway, New York.
Heidbreder Bros. & Co., plate glass, Quincy, Ill.
Heidbring Co., anesthetic apparatus, 420 S. 6th, Minneapolis, Minn.
Heidecker Brick Co., 4053 Gallis av., Emeryville, Colo.
Heidecker Brick Co., Brecon, Ohio.
Heidelbach Lumber Co., sash, doors, blinds, Danville, Va.
Heidelmeier Art Glass Wks., 4613 N. Clark, Chicago, Ill.
Heidemann Lbr. Co., masons' & bldrs.' matls., Quincy, Ill.
Heiden's Mailing Bureau, 606 Union av., Seattle, Wash.
Heidenkamp Plate Glass Co., Springdale, Pa.
Heider Mfg. Co., engines, Carroll, Ia.
Heidig, Jno. B., stone producers, Lancaster, Pa.
Heidinger, Frank, machsts., Fairfield, Ill.
Heidler Hardwood Lbr. Co., 25-39 S. Robey, Chicago, Ill.
Heidt, C., & Son, cooperage stock, 64 Fairmount, Jersey City, N. J.
Heidt, W., Cornice Works, 152 1st, San Francisco, Calif.
Heierman, John, & Son, mill & facty. supplies, Austin, Texas.
Heikes, E. K., flannels, woolens, York Springs, Pa.
Heil Chemical Co., Henry, 210 S. 4th St., St. Louis, Mo.
Heil Co., The, 26th & Montana Ave., Milwaukee, Wis
Heil, John C., cornices, 1204 N. Gay, Baltimore, Md.
Heil Packing Co., meat, 2216 La Salle, St. Louis, Mo.
Heiland, Geo. W., mercury testing columns, 107 W. 13th, New York.
Heilbron, Fred. A., cornices & skylights, San Diego, Calif.
Heilman, A. H., & Co., furniture, Dept. H, Williamsport, Pa.
Heilman, Otto, brick, Tiffin, Ohio.
Heilman Boiler Works, 132 Linden st., Allentown, Pa.
Heim Cement Products Co., brick, North Liberty, Ind.

HEIM, H. E., hot water equalizers, regulators, etc., 312 Pine, Portland, Ore.

Heim, John, & Son, brick, Dubuque, Ia.
Heim Mach. Co., Danbury, Conn.
Heimann, Morris A., Mfg. Co., window fixtures, 1402 Washington av., St. Louis, Mo.
Heimbach Lbr. Co., Duluth, Minn.
Heimerdinger, W. C., safety razors & shears, Louisville, Ky.
Heimlich, John, stone prod., LeRoy, N. Y.
Hein Furniture Co., Foot of Huron St., Toledo, O.
Hein, John, Co., lumber, Tony, Wis.
Heine Chimney Co., 123 W. Madison St., Chicago.
Heine Safety Boiler Co., 5334 Marcus Ave. St. Louis, Mo.
Heineman Chemical Co., Olean, N. Y.
Heineman Electric Co., 500-508 W. Girard Ave., Philadelphia, Pa.
Heineman Lumber Co., Merrill, Wis.
Heinemann Lumber Company, B., Wausau, Wis.
Heinicke-Fiegel Litho Co., 115 Pine St., St. Louis, Mo.

HEINICKE, INC., H. R. (chimney builders), 147 4th av., New York.

Heinisch Sons Co., R., 109-21 Bruce St., Newark, N. J.

HEINN COMPANY, THE, 849 Florida St., Milwaukee, Wis.

Heinz & Munschauer, 20 Superior St., Buffalo, N. Y.
Heinz Co., H. J. (Food Products) Pittsburgh, Pa.
Heinz, Daniel, Carrollton, Mo.
Heinze Electric Co., Lowell, Mass.
Heiser Specialty Tool Co., Kingston, Mo.
Heisler & Co., G. R., 585-87 Drexel Blvd., Philadelphia, Pa.
Heisler Locomotive Works, Erie, Pa.
Heisler Mfg. Co. (Engrs.' Supp.), 133 W. Washington St., Chicago.
Heisner Mfg. Co., Inc., H. C., Phoenix, N. Y.
Heissler Storage Battery Co., 2506 Cottage Grove Ave., Chicago.
Heitman Co., F. W., 113 Main St., Houston, Tex.
Heine & Co., oils & chemicals, 54 Cliff, New York.
Heine Boiler Co., 5319 Marcus av., St. Louis, Mo.
Heine, Jno. F., & Son, cornices & skylights, Hooper, Neb.
Heineke & Co., agric. implement mfrs., Springfield, Ill.
Heineman, B., Lbr. Co., Wausau, Wis.
Heineman, O., Co., silk thread, 2701 Armitage av., Chicago, Ill.
Heineman-Pearson Co., dehydrators, 255 California, San Francisco, Calif.
Heinemann, Geo., fuse blocks, clamps, switches, etc., 1224 N. 8th, Philadelphia, Pa.
Heinfeldt Mfg. Co., sashes, doors, blinds, New Bremen, Ohio.
Heinhart, Jno., & Son, stone producers, Massillon, Ohio.
Heinigke & Smith, glass mosaic wks., 24 E. 13th, New York.
Heinlein, John, Cut Stone Co., 555 President, Brooklyn, N. Y.
Heinman & Stern, meat packers, 1040 McAllister, San Francisco, Calif.
Heinrichs, Joseph, furniture, 948H Broadway, New York.
Heins, Alex., Belting Co., 2441 Harrison, San Francisco, Calif.
Heins, Daniel, mach. & fndr., Carrollton, Mo.
Heins, W. F., mach. & fndr., Carrollton, Mo.
Heins, Wm. R., & Co., contractors, 1713 Moravian, Philadelphia, Pa.
Heintz & Kohlmoos, Inc., surgical instruments, etc., 223 Natoma, San Francisco, Calif.
Heintz Laboratories, pot cleaners, 61 Natoma, San Francisco, Calif.
Heintz, W. H., cornices, New Rochelle, N. Y.
Heinz, C., Stove Co., 100 N. 2d, St. Louis, Mo.
Heinze Elec. Co., Lowell, Mass.
Heinze, John O., Co., automobile engine starters & lighting systems, Springfield, Ohio.
Heinzelman Bros. Carriage Co., Belleville, Ill.
Heintzelman-Earle-Wickeren Co., machinists, Los Angeles, Calif.
Heinzkill, John, soap, Appleton, Wis.
Heipershausen Bros., marine & tubular boilers, 43 Tomkins, New York.
Heirloom Aluminum Corp., cooking utensils, 1875 Elmwood av., Buffalo, N. Y.
Heise & Bruns Mill & Lbr. Co., 600 S. Caroline, Baltimore, Md.
Heise, Wm. F., Mfg. Co., metal specialties, 355 Union Park Court, Chicago, Ill.
Heisel, C. (Est. of), feed, flour, Plattsmouth, Neb.
Heiser, H. J., & Co., whol. hdwe., Mahanoy City, Pa.
Heiser, J. B., handles (hammer), Atwater, Ohio.
Heiser, Jno., & Son, masons' & bldrs.' matls., Sidney, Ohio.
Heiser, Wm., Sons Co., machsts., 116 Clinton, Buffalo, N. Y.
Heisey, A. H., & Co., glassware, Newark, Ohio.
Heiskell, Jas. M., R. R. ties, Galveston, Tex.
Heisler, Frank, contractor, Sikeston, Mo.

Heister, W., architect, Union Sav. Bank Bldg., Washington, D. C.
Heiston, W. H., & Son, mill & facty. supplies, Martinsburg, W. Va.
Heitland Grate & Mantel Co., fireplace heaters, heat deflectors, 120½ W. 5th, Quincy, Ill.
Heitler, Kurt, display racks, wire & brass easels, 221 4th av., New York.
Heitman Const. Co., Merritt Bldg., Los Angeles, Calif.
Heitmann, F. W., Co., mill & facty. supplies, whol. hdwe., Houston, Tex.
Heitmann Lbr. Co., sash, door & blind mfrs., 5852H S. Ashland, Chicago, Ill.
Heitz, Louis R., mach. & fndr., Muscatine, Ia.
Hektograph Mfg. & Duplicating Co., Inc., 243 W 17th St., New York.
Helb, Edward, Railroad, Pa.
Helbock, C., contractor, 633 Wales av., New York.
Helburn, Thompson Co., leather, Salem, Mass.
Held, Albert, architect, Realty bldg., Spokane, Wash.
Held, Frank, Tractor Co., 607-11 N. 4th, Columbus, Ohio.
Helderberg Cement Co., 78 State St., Albany, N. Y.
Heldmyer Hardware Co., Elyria, Ohio.
Helen Lumber Co., Helen, Fla.
Helena Hdwe. Co., Helena, Mont.
Helena Hardwood Lbr. Co., Helena, Ark.
Helena Job Wks., cornices & skylights, Helena, Ark.
Helfensteller, Hirsch & Watson, architects, Chemical Bldg., St. Louis, Mo.
Helfrich Lbr. & Mfg. Co., Evansville, Ind.
Helfrich, N. J., & Co., masons' & bldrs.' matls., Carthage, Ill.
Helfrich Pottery Co., Evansville, Ind.
Helgerson Bros., Iron Wks., Green Bay, Wis.
Helios Metal Wks., Inc., sheet metal stamping, 437 11th av., New York.
Hell Gate Sheet Metal Wks., 236 E. 95th, New York.
Hellenberg Co., Inc., J. B., Coldwater, Mich.
Heller-Aller & Co., Napoleon, O.

HELLER & BRIGHTLY, Dept. H, 1122 Spring Garden St., Philadelphia, Pa.

Heller, B., & Co., writing inks, 3925 Calumet av., Chicago, Ill.
Heller & Co., B., 3925 Calumet Ave., Chicago.
Heller & Co., W. C., Montpelier, O.
Heller & Merz Co., 7 E. 42nd st., New York.
Heller Bros. Co., 865 Mt. Pleasant Ave., Newark, N. J
Heller Bros. Co., Youngstown, O.
Heller, C., Sons, sashes, doors & blinds, 49 Cambridge av., Jersey City, N. J.
Heller, C. B., elec. fix. mfrs., 622 Arch, Philadelphia, Pa.
Heller Elevator Co., The, 250-256 Milwaukee St., Milwaukee, Wis.
Heller, H., 11 Warren St., New York.
Heller, H. F., architect, Fond du Lac, Wis.
Heller, Jno. M., contractor, South Orange, N. J.
Heller, P. A., & Sons, steel facty. equipt., 213 State, Detroit, Mich.
Heller, Sam'l, trunk mfrs., 345 N. 2d, Philadelphia, Pa.
Heller Tool Co., 879 Mt. Prospect Ave., Newark, N. J.
Heller, W. C., & Co., hardware, shelf boxes, Montpelier, Ohio.
Hellecoe, Hans H., 2444 Ainslie St., Chicago.
Hellman & Co., Eugene A., 9 Washington Pl., New York.
Hellman Lumber & Mfg. Co., Covington, Ky.
Helm Brick Machine Co., Cadillac, Mich.
Helm, S. D., Mfg. Co., fountains, stock, Crawfordsville, Ind.
Helmbacher Forge & Rolling Mills Co., crankshafts, Syndicate Trust Bldg., St. Louis, Mo.
Helmbold, Fritz, meat packers, Troy, N. Y.
Helme & McIlhenny, 17th & Clearfield sts., Philadelphia, Pa.
Helmera, Jno. G., architect, 814 Union, West Hoboken, N. J.
Helmerich, W. H., & Co., leaded & stained glass, 719H Fulton, Chicago, Ill.
Helmick Fdry. & Mach. Co., Fairmont, W. Va.
Hellminger Bros., machsts. & fndrs., Adell, Wis.
Helmold & Bro., Inc., J. F., 1462 Custer St., Chicago.
Helmrich, Geo., cornices, New Rochelle, N. Y.
Helms, F. W., contractor, Summit, N. J.
Helm's, D. D., Sons, meat packers, Camden, N. J.
Helmsky, John, furniture, 208H E. 120th, New York.
Helmus, Gabriel, silk tassels, 142 Greene, New York.
Hellmuth, Chas., printing inks, 154 W. 18th, New York.
Hellmuth & Hellmuth, architects, De Menil bldg., St. Louis, Mo.
Hellrung & Grim House Furnishing Co., mattresses, 906 Washington av., St. Louis, Mo.
Helrich, Otto A., architect, Everett, Mass.
Helser Machine Works, Inc., capstans, hoists, etc., 493 N. 22d, Portland, Ore.
Helsty & Corbet, machy. dlrs. & steel rails, Smith Bldg., Seattle, Wash.

HELTZEL STEEL FORM & IRON CO., THE, Warren, O.

Helvetia Milk Condensing Co., Highland, Ill.
Helvetia Silk Mill, velvets, Paterson, N. J.
Heiwig & Co., Louis, 29 N. Wells St., Chicago
Helwig Mfg. Co., 422 E. 7th St., St. Paul, Minn.
Helwig, Wm., & Co., badges & buttons, Cincinnati, O.
Hellwig, R., arch'l iron & struct'l steel, San Jose, Calif.
Hely, Edw., stone, crushed, Cape Girardeau, Mo.
Heman Constr. Co., Title Guarantee Trust Bldg., St. Louis, Mo.
Hemenway Furniture Co., Alexandria, La.
Hemet Canning Co., Hemet, Calif.
Hemingray Glass Co., Muncie, Ind.
Heminway & Bartlett Silk Co., silk thread, Watertown, Conn.
Hemingway Bros., brooms, Stockton, Calif.
Hemingway, H. C., & Co., canned gds., Syracuse, N. Y.
Hemingway, H. F., & Co., canned goods, 2315 Orleans, Baltimore, Md.
Hemingway, Inc., Frank, 115 Broadway, New York.
Hemingway Mach. Co., Lynn, Mass.
Hemming Brothers Co., The, 205-9 River St., New Haven, Conn.
Hemmendinger, S., plbrs. supplies, Elizabeth, N. J.
Hemmerdinger, John H., & Son, leather & razor strops, Vandervoort av., Brooklyn, N. Y.
Hemmerdinger, L., & Co., paints, bronze powders, 438 E. 123d, New York.
Hemmerle, Frank J., cornices, Sandusky, Ohio.
Hemmi-Nygren Mfg. Co., lumber, Everson, Wash.
Hemming Bros. Co., automatic grinding & polishing machinery mfrs., 205 River st., New Haven, Conn.
Hemming Mfg. Co., insulators, battery covers, etc., Garfield, N. J.
Hemming Wagon Factory, Meridian, Miss.
Hemp & Co., 1939 S. Vanderventer, St. Louis, Mo.
Hemp, C. E., draughting room equipment, Hamilton, O.
Hempel, Max, cornices, 3016 E. 91st, Chicago, Ill.
Hempelman & Hector, machsts., 120 Longworth, Cincinnati, O.
Hempfield Coal Co., Greensburg, Pa.
Hempfield Foundry, Greensburg, Pa.
Hemphill Co., Inc., A. J., 161 Washington St., New York.
Hemphill Lumber Co., J. M., Rhodes, Miss
Hemphill Lumber Co., Kennett, Mo.
Hemphill Mfg. Co., knitting machy., Central Falls, R. I.
Hemple, C. H., & Bro., contractors, Braddock, Pa.
Hemple Co., hosiery machy., Pawtucket, R. I.
Hempstead, John, second-hand barrels, Waterford, N. Y.
Hemsing & Son, sash, door & blind, Sonderton, Pa.
Hench & Dromgold Co., York, Pa.
Hendee, C. C., Co., brushes, 501 Broadway, Milwaukee, Wis.
Hendee-Connor Co., see Buffalo Mill Supply Co., Consolidated, Inc. (successors).
Hendee Mfg. Co., 837 State St., Springfield, Mass.
Henderer's Sons, A. L., 1314 West st., Wilmington, Del.

HENDERSON & COMPANY, 332 S. Michigan av., Chicago.

Henderson & Baird Hardware Co., Greenwood, Miss.
Henderson & Bro. Co., Ltd., contractors, 2507 South, Philadelphia, Pa.
Henderson & Co., Peter (Seeds), 35 Cortlandt St., New York.
Henderson & Durbin, Lima, O.
Henderson & Johnson, paints, Gloucester, Mass.
Henderson, A. P., roof brackets, Assinippi, Mass.
Henderson-Ames Co., Kalamazoo, Mich.
Henderson Baker Lumber Co., Nashville, Tenn.
Henderson Bros., Waterbury, Conn.
Henderson Bros., automobile bldrs., N. Cambridge, Mass.
Henderson Bros., contractors, Coshocton, Ohio.
Henderson Bros., glass stainers, 114 E. 41st, New York.
Henderson Bros. Co., Inc., N. Cambridge, Mass.
Henderson Buggy Mfg. Co., Henderson, N. C.
Henderson Canning Co., Aberdeen, Md.
Henderson Cotton Mills, sheetings, Henderson, N. C.
Henderson Cotton Oil & Gin Co., meal, Henderson, Tex.

HENDERSON DRYING EQUIPMENT CORP., 283 Holland St., Syracuse, N. Y.

Henderson, F. R. & Co., crude rubber, 250 W. 57th, New York.
Henderson Electric Co., Ampere, N. J.
Henderson Electric Co., Charlottesville, Pa.
Henderson, Gilbert W., Sheffield, Pa.
Henderson Iron Works & Sup. Co., W. K., Shreveport, La.
Henderson, J. H. Co., trunks, 1769 Howard, San Francisco, Calif.
Henderson, James G., stone, Ft. Worth, Tex.
Henderson Land & Lbr. Co., Tuscaloosa, Ala.
Henderson Lithographing Co., Main Ave., Norwood, Cincinnati, O.
Henderson Lumber Co., Ocilla, Ga.
Henderson Lumber Co., ties, poles & posts, 316 4th av., Pittsburgh, Pa.
Henderson Machine Co., 5032 Germantown av., Philadelphia, Pa.
Henderson Mfg. Co., carriages, Henderson, Ky.
Henderson Motor Cycle Co., 89 Gratiot Ave., Detroit, Mich.
Henderson Molpus Co., lbr., Philadelphia, Miss.
Henderson, P. J., heating contr., 171 Foster, Worcester, Mass.
Henderson Roller Mills Co., Monroe, N. C.
Henderson Shipbuilding Co., Mobile, Ala.
Henderson, Thos., & Co., Inc., confectioners' colors, 14 Cliff, New York.
Henderson Tire & Rubber Co., Goodale & H. V. R. R., Columbus, O.
Henderson Wagon Wks., dumping wagons, Henderson, Ky.
Henderson-Waits Lumber Co., Caryville, Fla.
Henderson-Willis Welding & Cutting Co., 2305 N. 11th St., St. Louis, Mo.
Hendey Chemical Co., Inc., chemicals, cod liver oil, etc., 342 Madison av., New York.
Hendey Machine Co., Torrington, Conn.
Hendley & Whittemore Co., S. State St., Beloit, Wis
Hendrick Manufacturing Co., Carbondale, Pa.
Hendricks & Caskey Co., Marine Tr. Bldg., Buffalo, N. Y.
Hendricks & Class, wholesale hdwe., 30 Church, New York.
Hendricks Brick Co., East Kingston, N. Y.
Hendricks Bros., Inc., 49 Cliff St., New York.
Hendricks, J. J., powder boxes, 156 2d, San Francisco, Calif.
Hendricks-Moore Lbr. Co., Lexington, Ky.
Hendricks, O. H., cornices, 1466 Lamar, Memphis, Tenn.
Hendricks, Wm. M., machist. & fndr., Watervalley, Miss.
Hendrickson & Dilatush, fertilizer mfrs., Robbinsville, N. J.
Hendrickson, E. D., machts. & fndrs., Demorest, Ga.
Hendrickson Lumber Co., 112 Market, San Francisco, Calif.
Hendrickson-McCabe Constr. Co., O. C. S. Bank Bldg., Syracuse, N. Y.
Hendrickson Machine Co., 1310 E. 14th, Cleveland, O.
Hendrickson Motor Truck Co., 3538 S. Wabash av., Chicago, Ill.
Hendrickson Roofing Co., cornices, Springfield, Ohio.
Hendrie & Bolthoff Mfg. & Supply Co., 1639 17th St., Denver, Colo.
Hendrie, Tire & Rubber Co., Torrance, Calif.
Hendrie, W. C., Co., belting & mill supplies, 340 Crocker, Los Angeles, Cal.
Hendrix Hardware Co., whol., Columbia, S. C.
Hendrix, J. A., flour mills, Milligan College, Tenn.
HENDRYX CO., ANDREW B., 86 Audubon St., New Haven, Conn.
Hendryx Cyanide Machy. Co., 136 Liberty, New York.
Hendy Iron Works, Joshua, 75 Fremont St., San Francisco, Calif.
Henebry, Thos. F., machsts. & fndrs., Danbury, Conn.
Henes & Keller Co., machsts. & fndrs., Menominee, Mich.
Henes, Louis G., machy. dlr., 75 Fremont, San Francisco, Calif., & 218 E. 3d, Los Angeles, Calif.
Henion & Hubbell, 219 N. Jefferson St., Chicago.
Henle Sons & Co., Wm. G., 1347 Ridge Ave., Philadelphia, Pa.
Henke, D. E., & Co., contractors, Zanesville, Ohio.
Henke, Inc., 232 E. Erie St., Chicago.
Henke, Robt., gold leaf, 175 Park Row, New York.
Henkel & Best Co., 122 S. Michigan Ave., Chicago.
Henkle & Joyce Hardware Co., Lincoln, Neb.
Henkel & Sullivan, contrs., Bell Bldg., Cincinnati, Ohio.
Henkel-Clauss Co., cutlery, Fremont, O.
Henle, S., Inc., lubricating oils, waxes, etc., 8 Bridge, New York.
Henle Waxed Paper Mfg. Co., Inc., 535 E. 79th St., New York.
Henley Skate Co., toys & coaster wagons, Richmond, Ind.
Henne & Meyer Co., wholesale hdwe., Rockdale, Tex.
Henneberry & Co., meat packers, Arkansas City, Kans.
Henneberry & Halligan, granite producers, Concord, N. H.
Hennebohle, Frank, 8101 South Chicago Ave., Chicago.
Hennecke Co., 1353-73 N Pierce St., Milwaukee, Wis.
Hennepin Bridge Co., 968 Laurel, Minneapolis, Minn.
Hennepin Electric Co., contr., 2323 Hennepin av., Minneapolis, Minn.
Hennepin Paper Co., Plymouth Bldg., Minneapolis, Minn.
Hennepin Sash, Door & Lumber Co., Emerson av. & 29th, Minneapolis, Minn.
Hennesey, D. R., machst. & fndr., Bellefontaine, Ohio.
Hennessey Bros., contractors, Brookline, Mass.
Hennessey, J. M., & Bro., contractors, Troy, Ohio.
Hennessey, Wm. E., stone producers, Amsterdam, N. Y.
Hennessy, Dennis, 423 S. West St., Syracuse, N. Y.
Henney Buggy Co., Moline, Ill.
Hennig & Co. (Engineers' Supplies), 417 S. Dearborn St., Chicago.
Hennigan, J. G. E., lunch wagons, 11 Olga av., Worcester, Mass.
Henning & Sons, V., Brooklyn, N. Y. (now Belmont Smelting & Refining Works, Inc.).
Henning Bros., cornices, cans, 3924 Indiana av., Chicago, Ill.
Henning, E., Inc., cooperage stock mfrs., 431 S. Dearborn st., Chicago, Ill.
Henning, Julius, cornices & skylights, 315 Plymouth, N. Minneapolis, Minn.
Henning, Wm., Co., canned goods, 1260 W. Division, Chicago, Ill.
Henn'nger & Ayes Mfg. Co., pressure cookers, 505 N. 29th, Portland, Ore.
Henningsen Bros., contractors, Irvington, N. J.
Henningson Engng. Co., contrs., 12th & Harney, Omaha, Neb.
Henrich, Fdw. G., 127 Highland av., Buffalo, N. Y.
Henrich's Sons Co., Wm., 193 Spring St., Buffalo, N. Y.
Henrickson & Co., contractors, Globe Bldg., Seattle, Wash.
Henrie, C. B., cornices, Xenia, Ohio.
Henrietta Mills, cotton sheeting, Caroleen, N. C.
Henrix, Luebbert Mfg. Co., tents, 326 Howard, San Francisco, Calif.
Henry & Allen, Inc., Auburn, N. Y.
Henry & Sheffler Mach. & Auto Co., Greensburg, Pa.
Henry & Wright Mfg. Co., Hartford, Conn.
Henry Airtight Weather Strip Co., Crawfordsville, Ind.
Henry-Bonnard Bronze Co., 11 Broadway, New York.
Henry Bros., canned goods, Poage's Mill, Va.
Henry Bros., gas burners, Massillon, Ohio.
Henry, C. P., Nov. Co., curtain rods, 184 Early, Providence, R. I.
Henry, Chas., tubular boilers, Madison, Ind.
Henry Contracting Co., 633 W. 47th, New York.
Henry Engng. Co., machsts., 160 25th, Brooklyn, N. Y.
Henry Furnace & Fdry. Co., 3471 E. 49th, Cleveland, O.
Henry Forge & Tool Co., Auburn, N. Y.
Henry, Frank N., masons' & bldrs.' matls., Wilkes-Barre, Pa.
Henry, James, meat packers, 822 Western av., Seattle, Wash.
Henry, John T., Mfg. Co., pruning knives, hdwe. mfrs., Hamden, Conn.
Henry Lumber Co., Anniston, Ala.
Henry Mfg. & Grease Cup Co., 648 N. 5th st., Terre Haute, Ind.
Henry Marble Co., 3208 Shields av., Chicago, Ill.
Henry, Millard & Henry, York, Pa.
Henry, Robt., brick, Lancaster, Ohio.
Henry, T. A., brick, Gastonia, N. C.
Henry, Walter C., & Son, contractors, St. Petersburg, Fla.
Henry, Wm., stone, 5837 Justine, Chicago, Ill.
Henryetta Spelter Co., zinc, Henryetta, Okla.
Henryson, L. P., & Co., umbrella mfrs., 20 W. 20th, New York.
Henschel Mfg. Co., C. B., Mineral & Hanover Sts., Milwaukee, Wis.
Hensel, E. R., Steel & Copper Co., 408 Pine, St. Louis, Mo.
Hensel-Mulranen Co., Inc., The, Syracuse, N. Y. (New Tip Top Manufacturing Co.)
Hensel Silk Mfg. Co., silk fringes, 1015 Diamond, Philadelphia, Pa.
Hensel Steel & Copper Co., E. R. Security Bldg., St. Louis, Mo.
Hensey, Melville O., 1637 Hobart pl., N. W., Washington, D. C.
Henshaw, G., & Sons Co., furniture, Elm ct., Dept. H., Cincinnati, Ohio.
Henshaw Lumber Co., Antigo, Wis.
Hensley, Jas. W. & Co., 315 W. Capitol av., Indianapolis, Ind.
Hensley Trolley & Mfg. Co., 363 Holden Ave., Detroit, Mich.

HENSON-BLAIR MFG. CO., mop sticks & stamping works, 157 W. Lehigh av., Philadelphia, Pa.

Hentz, Reid & Adler, architects, 92½ N. Forsyth, Atlanta, Ga.
Henvis, Garnet J., Co., auto accessories, 5046 Irving, Philadelphia, Pa.
Henwood & Nowak, Inc., leather, 95 South, Boston, Mass.
Henzel, J. G., fish hooks & bait, 415 W. Van Buren, Chicago, Ill.
Hepburn Mill Co., sashes, 176 E. Slauson av., Los Angeles, Calif.
Henburn Telephone Mfg. Co., 325 S. Dearborn, Chicago, Ill.
Heppe, Christopher J., & Son, pianos, 1117 Chestnut, Philadelphia, Pa.
Heppe, Wm., & Sons Co., soap, Logansport, Ind.
Heppenstall & Marquis, masons' & bldrs.' matls., 32d, Pittsburgh, Pa.
Heppenstall Forge Co., 95 Howard av., Bridgeport, Conn.
Heppenstall Forge and Knife Co., Pittsburgh, Pa.
Heppert, Jos., lumber mfrs., 906 Catherine, Richmond, Va.
Heppes-Nelson Roofing Co., see Heppes Roofing Division, The Richardson Co. (successors).
Heppes Roofing Division, The Richardson Co., Lockland, Ohio.
Hepworth Co., S. S., 2 Rector St., New York.
Hepworth, S. S. Co., sugar centrifugals & mixers, 342 E. 92d, New York.
Herbert & Co., W. A., 11 S. La Salle St., Chicago.
Herbert Boiler Co., 140 Root St., Chicago.
Herbert Brush Mfg. Co., Kingston, N. Y.
Herbert Canning Co., Reedley, Cal.
Herbert Packing Co., fruits & vegetables, San Jose, Calif.
Herbert, T. L., & Sons, masons' & bldrs.' matls., 174 3d av. N., Nashville, Tenn.
Herbert, Thos. & Sons, contractors, Bayonne, N. J.
Herbert, Vogel & Mark Co., Inc., wood tanks, 18th & Indiana, San Francisco, Calif.
Herberts Machy. & Supply Co., 401 E. 3d & San Pedro, Los Angeles, & 140 1st, San Francisco, Calif.

Herbertson, John, Sons, machsts. & fndrs., Brownsville, Pa.
Herbrand Co., The, Fremont, O.
Herbst Bros., tinware, etc., 1939 Mission, San Francisco, Calif.
Hercules Belt Lace Co., 9 S. Clinton St., Chicago.
Hercules Buggy Co., Evansville, Ind. (now The Hercules Corporation).
Hercules Car Mover Co., 860 Clark, Appleton, Wis.
Hercules Cement Products Co., laundry tubs, 1049 Howard, San Francisco, Calif.
Hercules Chemical Co., chemical plumbing pipe cleaner, 396 Broadway, New York.
Hercules Chemical Wks., metal polish, 5019 S. State st., Chicago, Ill.
Hercules Corrugated Box Corp., Borden & Van Alst avs., Long Island City, N. Y.
Hercules Electric Steel Corp., 140 LaFayette St., New York.
Hercules Engineering Corp., 501 Fifth Ave., New York.
Hercules Equipment Co., 332 S. Michigan Ave., Chicago.
Hercules Gasoline Co., 2411 E. 30th, Los Angeles, Calif.
Hercules Glue Co., 333 Folsom, San Francisco, Calif.
Hercules Float Works, seamless copper floats, mfrs., 200 Franklin, Springfield, Mass.
Hercules Foundries, Inc., Huntington Park, Box 67, Los Angeles, Cal.
Hercules Gas Engine Co., Evansville, Ind. (now The Hercules Corporation).
Hercules Heat Treating Co., steel toughening, drifts & chisels, 1647 E. 14th, Oakland, Calif.
Hercules Instrument Co., ammeters, Mount Vernon, N. Y.
Hercules Machine Co., 404 Broome St., New York.
Hercules Machinery Co., broaching presses & key seating machy., 446 E. Woodbridge, Detroit, Mich.
Hercules Metal Corner Co., Kingston, N. Y.
Hercules Mfg. Co., labels—woven, Midvale, N. J.
Hercules Mfg. & Sales Co., Inc., auto locks, First Nat'l Bank Bldg., San Francisco, Cal.
Hercules Mfg. Co., 2128 Northwestern Ave., Indianapolis, Ind.
Hercules Mfg. Co., 711 Cherry St., Chattanooga, Tenn.
Hercules Metal Works, Catasauqua, Pa.
Hercules Motors Corp., Canton, O.
Hercules Paper Co., 25 W. Broadway, New York.
Hercules Paper Bag Co., Reading, Pa.

HERCULES POWDER CO., 9th and King Sts., Wilmington, Del.

Pres.—R. H. Dunham.
V. P. in Charge of Sales—J. T. Skelly.
V. P. & Gen. Mgr.—G. H. Markell.
V. P. & Asst. Gen. Mgr.—C. D. Prickett.
Sec. & Treas.—H. H. Eastman.

Allentown, Pa.—G. B. Hadesty, Jr.
Birmingham, Ala.—J. J. Grimes.
Buffalo, N. Y.—Wm. A. Anderson.
Chattanooga, Tenn.—T. E. H. Urmston.
Chicago—W. J. Austin.
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Duluth, Minn.—M. P. Botsford.
Hazelton, Pa.—R. L. Klotz.
Huntington, W. Va.—R. H. Williams.
Joplin, Mo.—M. W. Latimer.
Louisville, Ky.—G. H. Keyes.
New York.—W. M. Annette.
Norristown, Pa.—H. L. Stahler.
Pittsburg, Kan.—C. W. Swanson.
Pittsburgh, Pa.—W. B. Lyon.
Pottsville, Pa.—Thos. Dove, Jr.
St. Louis, Mo.—C. B. Spicer.
Salt Lake City, Utah—F. J. McGanney.
San Francisco, Calif.—J. B. Rice.
Wilkes-Barre, Pa.—J. B. Wallis, Jr.

HERCULES POWDER CO., Naval Stores Division, Wilmington, Del.

Hercules Products Co., fly swatters, Council Bluffs, Ia.
Hercules Rubber Corp., 808 Union Central Life Bldg., Cincinnati, O.
Hercules Steel Products Co., pipe bends, tanks, etc., 227 Broadway, San Francisco, Calif.
Hercules Trailer Mfg. Co., 1327 Santa Fe av., Los Angeles, Calif.
Hercules Waterproof Cement Co., Mutual Life Bldg., Buffalo, N. Y.
Herd, Thos., & Son, contrs., 814 S. 33d, Omaha, Neb.
Herdman Sash, Door & Lbr. Co., Zanesville, O.
Herf & Frerichs Chemical Co., Pierce Bldg., St. Louis, Mo.
Herfort, F., Canning Co., Baraboo, Wis.
Hergert, Theo. E., 422 E. 53rd St., New York.
Hergi Mfg. Co., 250 Fifth St., Bridgeport, Conn.
Herhold Chair Co., 1025H W. Erie, Chicago, Ill.
Hering, Oswald C., & Fitch, architects, 8 W. 33d, New York.
Herkert & Meisel Trunk Co., 910 Washington St., St. Louis, Mo.
Herkimer Fibre Co., 183 Essex, Boston, Mass.
Herkimer Foundry Co., Herkimer, N. Y.
Herith, O. B., Mfg. Co., Inc., special machy. & tools, 983 Main st., Hartford, Conn.
Herman & Hassert, Bloomsburg, Pa.
Herman, B. C., plbrs. supplies, 1441 E. Baltimore, Baltimore, Md.
Herman Bros., contrs., Leonard & Mich., Dayton, Ohio.
Herman, John, assayers, testing laboratories, 339 S. Los Angeles, Los Angeles, Calif.
Herman, K. I., Co., packing box mfrs., 111 W. Washington, Chicago, Ill.
Herman, M. S., & Bros., canned goods, Savannah, Ga.
Hermance Machine Co., Williamsport, Pa.
Herman Pneumatic Machine Co., Union Bank Bldg., Pittsburgh, Pa.
Herman Pneumatic Mach. Co., Zelienople, Pa.
Herman, Sanford, Saddlery Co., Springfield, Mo.
Herman, Wm., & Co., Inc., corr. boxes & cases, 69 Wooster, New York.
Hermann & Grace Co., fire proof doors, 671 Bergen, Brooklyn, N. Y.
Hermann, F. W., Co., mill & facty. supplies, Guttenberg, N. J.
Hermann, John, horse collars, Lawrence, Kans.
Hermann, M., & Son, carriages, Honesdale, Pa.
Hermann Mfg. Co., heating engines, rubber molds, etc., Lancaster, Ohio.
Hermann, Martin, lumber mfrs., Callicoon, N. Y.
Hermann Safe Co., 216-24 Fremont, San Francisco, Calif.
Hermanson, Severin S., sweaters, cardigans, etc., Marinette, Wis.
Hermitage Cotton Mills, cotton sheetings, Camden, S. C.
Hermitage Hardware Co., Nashville, Tenn.
Hermitage Portland Cement Co., 174 3d av. N., Nashville, Tenn.
Herndon & Finnigan, contrs., 1814 17th, Sacramento, Calif.
Herne, J. F., Co., sweeping compounds, Charlestown District, Boston 29, Mass.
Hero Mfg. Co., metal novelties & specialties, 1421 Chestnut, Philadelphia, Pa.
Hero Furnace Co., Sycamore, Ill.
Herog Art Furniture Co., Dept. H., Saginaw, Mich.

HEROLD BROTHERS CO., THE, 1104 W. 9th St., Cleveland, O.

Herold China & Pottery Co., capsules, etc., Golden, Colo.
Heron Metal Bed Co., Main & Chestnut Sts., Chattanooga, Tenn.
Herpel Bros., machinists, Reynoldsville, Pa.
Herr & Co., Lancaster, Pa.
Herr, John, Mfg. Co., floor scrubbing & polishing machines, 44 N. 4th, Philadelphia, Pa.
Herr Mfg. Co., mattresses, Lancaster, Pa.
Herre Bros., htg. contrs, 415 Vaughn, Harrisburg, Pa.
Herreschoff Mfg. Co., Inc., 13 Burnside St., Bristol, R. I.
Herrfeldt, J. H. & Co., cut glassware, 48 Lexington av., Brooklyn, N. Y.
Herrick & Cowell, 39 Artisan St., New Haven, Conn
Herrick, A. H. & Son, buckwheat flour, Watertown, N. Y.
Herrick Bros., machsts. & fndrs., Bethel, Me.
Herrick, C. W., Mfg. Co., furniture, Dept. H., Jamestown, N. Y.
Herrick, Chas. E., mchsts. & fdrs., Northampton, Mass.
Herrick Clay Mfg. Co., Ottawa, Ill.
Herrick Co., 49 Broad St., Boston, Mass.
Herrick, Geo. S., grate bar mfrs., Syracuse, N. Y.
Herrick Hardware Co., Waco, Tex.
Herrick Iron Works, struct. steel, 18th & Campbell, Oakland, Calif.
Herrick Refrigerator & Cold Storage Co., Waterloo, Ia.
Herrick-Voigt Chemical Co., 1 Liberty St., New York.
Herring Buggy Co., Mansfield, O.
Herring, G. B., & Son, contractors, Mansfield, O.
Herring-Hall-Marvin Safe Co., 400 Broadway, New York.
Herring-Hall-Marvin Safe Co., Hamilton, O.
Herring Motor Co., Des Moines, Ia.
Herrington, Ed., masons' & bldrs.' matls., Hillsdale, N. Y.
Herriott Shoe Polish Co., 2801 N. B'way, St. Louis, Mo.
Herrity, Edward A., Co., slip covers & auto tops, Stamford, Conn.
Herrlein & Henrick Co., 37 Greenwich, New York.
Herrlinger & Co., 206 Walnut, Cincinnati, O.
Herrlinger Paper Co., 211 Main, Cincinnati, O.
Herrman, F. W., Co., mill & factory supplies, Dept. H., Guttenberg, N. J.
Herrmann & Co., Morris, 200 Fifth Ave., New York.
Herrmann & Grace Co., fireproof doors & roofing, 671 Bergen, Brooklyn, N. Y.
Herrmann Furniture Co., H., 368 Broome, New York
Herrmann Gauge Co., The, Dime Bank Bldg., Detroit, Mich.
Herrmann, Geo. Co., ammonia & chloride of calcium, 300 Front, San Francisco, Calif.
Herrmann, H., Lumber Co., E. 125th, New York.
Herrmann, Jos. F., & Co., fertilizer, mtls., glue, axle grease & tallow, Fisher Bldg., Chicago, Ill.
Herrold Laboratories, radio parts, 467 S. 1st, San Jose, Calif.
Herron Co., R. H., 934 N. Alameda, Los Angeles, Calif.
Herron-Lawton-Parks Co., Seattle, Wash. (Now Fred H. Parks Lumber Co.)
Herron, P. M., Hardware Co., mill & facty. supplies, 34 Genesee, Auburn, N. Y.
Herschede Hall Clock Co., The, McMillan & Essex Pl., Cincinnati, O.
Herschel Canning Co., San Jose, Calif.
Herschel Mfg. Co., R., Peoria, Ill.
Herschel-Roth Mfg. Co., 748 N. 3rd St., Minneapolis, Minn.
Herschell-Spillman Motor Co., North Tonawanda, N. Y.
Hersee & Co., furniture, 303H Ellicott, Buffalo, N. Y.
Hersey & Hess, 283 Thurbers Ave., Providence, R. I.
Hersey, A. A., dock bldrs., 362 Border, E. B., Boston, Mass.
Hersey, Ira G., & Sons Co., contractors, 53 Wareham, Boston.
Hersey Mfg. Co., water meters, South Boston, Mass.
Hersh & Bros., heating contractors, 645 Mill, Allentown, Pa.
Hersh Brothers Co., 825 Hamilton st., Allentown, Pa.
Hersh Hardware Co., Inc., F., Allentown, Pa.
Hersh, Harvey M., mchsts. & fndrs., Locust Valley, Pa.
Hershew-Hall Clock Co., McMillan & Essex pl., Cincinnati, Ohio.
Hershey & Rohrer, masons' & bldrs.' matls., Ritman, O.
Hershey-Leaman Co., contrs., Lititz, Pa.
Hershey Machine & Foundry Co., Manheim, Pa.
Hershey, P. H., canned goods, Spring Grove, Pa.
Hersom & Co., Thos., 11 Commercial st., New Bedford, Mass.
Hertenstein, C. A., Lumber Co., Chillicothe, O.
Hertenstein, M., Co., stove mfrs., 1409 S. High, Columbus, O.
Hertford Hardware & Supply Co., Hertford, N. C.
Hertig Furnace Co., 1342 Columbus av., Boston, Mass.
Hertner Electric Co., The, 1905 W. 114th St., Cleveland, Ohio.
Herts Bros. Co., interior hardwood work, 20 W. 57th, New York.
Herty Turpentine Cup Co., Jacksonville, Fla.
Hertzberg, H., & Son, bottle brushes, 15 Mercer, New York.
Hertzler & Zook Co., mchsts. & fdrs., Belleville, Pa.
Hervey & Co., F. L., Fall River, Mass.
Hervey Mach. Works, machsts., 209 Oaks, Kansas City, Mo.

HERWIG CO., THE, 1753-59 Sedgwick St., Chicago.

Hersler & Henninger Machine Works, Belleville, Ill.
Herzog & Son, J., Forest, O.
Herzog Art Furniture Co., music cabinets, Saginaw, Mich.
Herzog Bros., carriages, 220 Wendell, Chicago, Ill.
Herzog Electric & Engineering Co., steam engines & switchboards, 172 Steuart, San Francisco, Calif.
Herzog Iron Works, 1044 E. 7th St., St. Paul, Minn.
Herzog, S. A., Construction Co., 299 Madison av., New York.
Heslop, J. W. C., brass castings, Point Pleasant, W. Va.
Hess & Barker Co., 202 S. Darien St., Philadelphia, Pa.
Hess & Densen, 129 W. 20th St., New York.
Hess & Drucker, leather, 92 Gold, New York.
Hess & Hopkins Lthr. Co., harness mfrs., Rockford, Ill.
Hess & Marsh, drainage fittings, 1614 S. Flower, Los Angeles, Calif.
Hess & Rau, mach. & fdr., Watertown, S. D.
Hess & Sackett, Inc., aluminum castings, patterns, etc., 601 W. Belgrave av., Huntington Park, Calif.
Hess, A. E., lbr. mfrs., Conyngham, Pa.
Hess, Adam, arch'l iron, 417 E. 156th, New York.
Hess-Bright Mfg. Co. (Bearings), Front & Erie Sts., Philadelphia, Pa.
Hess-Bright Mfg. Co., Distributed by S K F Industries, Inc., 165 Broadway, New York.
Hess, C. E., lumber mfrs., Cherry Creek, N. Y.
Hess Carriage Co., wagon builders, Hagerstown, Md.
Hess Co., Chas., 175 Water St., New York.
Hess, D. S. & Co., interior hardwood wks., 3 E. 40th, New York.
Hess, Daniel T., carriages, Quarryville, Pa.
Hess, Frank & Sons, sash, door & blind mfrs., 2339 N. California av., Chicago, Ill.
Hess Furnace Mfg. Co., 304½ Oak, Portland, Ore.
Hess, G. B. Co., flour mills, farina, Green Bay, Wis.
Hess, Geo. F., & Son, contractors, Youngstown, O.
Hess, John, masons' & bldrs.' matls., Steelton, Pa.
Hess Machine Works, The, 4951 Lancaster, Philadelphia, Pa.
Hess Planing Mill Co., Waynesboro, Pa.
Hess-Schenck Co., The, 221 St. Clair Ave., Cleveland, O.
Hess-Snyder Co., Massillon, O.
Hess Steel Corp., The, Biddle & Loneys, Baltimore, Md.
Hess, W. J., machst., Green Bay, Wis.
Hess Warming & Ventilating Co., 1211 S. Western Ave., Chicago.
Hess, Wm. H., metal novelties, Oneida, N. Y.
Hess, Wm. T., mattresses, York, Pa.
Hesse Building Material Co., St. Joseph, Mo.

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MICH.—Detroit—L. S. Abbott, 827 Farwell Bldg.. Cadillac 5516.
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Hesse-Ersted Iron Works, E. 8th & Taylor, Portland, Ore.
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Hessel & Hoppen Co., The, 36 Crown St., New Haven, Conn.
Hessel Mfg. Co., W. F., 114 Liberty St., New York.
Hessell Co., The, James T., New Haven, Conn.
Hessenbruch, H., Co., hdwe., whol., razor mfrs., 8 N. 5th, Philadelphia, Pa.
Hessler Foundry & Mfg. Co., grey iron castings, Oswego, N. Y.
Hessler, H. E., Co., hdwe. mfrs. whol., Syracuse, N. Y.
Hessler, H. H., elastic, surgical hosiery, 38 Arcade, Cleveland, O.
Hessner, Hy., & Son, truck trailers, 33 Bartlett, Brooklyn, N. Y.
Hester-Bradley Co., Chemical Bldg., St. Louis, Mo.
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Hettinger, E. A., contr., Palo Alto, Calif.
Hettinger Engine Co., engine builders & mchsts., Bridgeton, N. J.
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Hettrick Mfg. Co., canvas goods of all kinds, belting, etc., Toledo, Ohio.
Hetts Detroit Reversible Window Fixture Co., Dime Bank Bldg., Detroit, Mich.
Hetty, Bros., 372 Ellis, San Francisco, Calif.
Hetzel & Co., meat packers, 1743 Larrabee, Chicago, Ill.
Hetzel, J. G., Est. of, contractor, cements, compound, paints, etc., 67 Main, Newark, N. J.
Hetzell, John G., & Son, cornices, Paca & Mulberry, Baltimore, Md.
Heughes, F. L., & Co., structural steel & iron work, Rochester, N. Y.
Heumader, Chris., trunks, St. Joseph, Mo.
Heun, Arthur, architect, 6 N. Michigan blvd., Chicago, Ill.
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Hevenor Co., Charles D., Buffalo, N. Y.
Heweet, Lea, Lumber Co., Bellevue, Wash.
Hewell, T. J., Jr., fertilizer, Dewey Rose, Ga.
Hewes, Geo. D., contractor, Chester, Pa.
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Hewit, D. E., Lumber Co., Kermit W. Va.

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Hewitt Bros., machsts. & fndrs., Punta Gorda, Fla.
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Hewitt Co., The, (now the Magnus Co.), Chicago.
Hewitt, F. L., storage battery, 221 N. El Dorado, Stockton, Calif.
Hewitt, L. & R. T., mattresses, South Wethersfield, Conn.
Hewitt-Lea-Funck Co., silos, Sumner, Wash.

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Hewitt Rubber Co., 602 Fidelity Trust Bldg., Buffalo, N. Y.
Hewitt Steel Corp., 111 Broadway, New York.
Hewitt, Thos. J., vent. mfr., 57 Ann, New York.
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Hewlett Bros., lubrg. oils, 32 Front, New York.
Hewlett, Geo. B., 32 Front St., New York.
Hews, A. H., & Co., potteries, Cambridge, Mass.
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Heyer, A. Lester, meat packer, 318 E. 39th, New York.

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Heyer, Henry, & Sons, furniture, Dept. H., Milwaukee, Wis.
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Hibbard Company, The, 65th St. & Euclid Ave., Cleveland, O.
Hibbard Gas Engine Co., machsts., Hudson Falls, N. Y.
Hibbard, L. J. (Elec. Welding Apparatus), 63 Park Row, New York.
Hibbard, L. R., dies & stamping, 706 N. Main, Los Angeles, Calif.
Hibbard, Spencer, Bartlett & Co. (Whol. Hardware), 303 N. State st., Chicago.
Hibben & Co., 9376 Ewing St., Chicago.
Hibberd Brick Co., Kearney, Neb.
Hibbs, E. A., cupolas, range boilers, expansion tanks, etc., Bread & Quarry, Philadelphia, Pa.
Hibbs, H. C., architect, F. & F. Nat'l Bank Bldg., Nashville, Tenn.
Hibbs Hardware Co., Portsmouth, Ohio.
Hibbs Rubber Co., 200 S. Boas St., Fort Worth, Tex.
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Hickerson Roller Mill Co., flour, Grantsburg, Wis.
Hickey & Baker, cornices & skylights, Englewood, N. J.
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Hickey Bros., contrs., 4200 Spring Grove, Cincinnati, O.
Hickey Bros., 520 Emerich, Columbus, Ohio.
Hickey Contracting Co., 44 E. 23d, New York.
Hickey, M. F., Co., stone prod., 83 9th, Brooklyn, N. Y.
Hickey, Michael, & Co., boot & shoe counters, Haverhill, Mass.
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Hickman Wagon Co., Hickman, Ky.
Hickman, Williams & Co., 814-1st Natl. Bank Bldg., Cincinnati, O.
Hickman, Williams Co., 900 Morris Bldg., Philadelphia, Pa.
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Hickok Electric Instrument Co., shunt ammeters, 10514 Dupont, Cleveland, Ohio.
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Hickok Mfg. Co., The W. O., Harrisburg, Pa.
Hickory Gas Mantle Mfg. Co., 1221 University Ave., St. Paul, Minn.
Hickory Handle & Mfg. Co., Conover, N. C.
Hickory Lumber Co., Danielsville, Pa.
Hickory Novelty Co., sashes, doors & blinds, Hickory, N. C.
Hickory Steel Grip Glove Co., 1213 Fullerton av., Chicago, Ill.
Hickory Mfg. Co., Hickory, N. C.
Hicks & Son, S. D., 69 Commercial st., Boston, Mass.
Hicks, A. P., paint mfrs., Phelps, N. Y.
Hicks Advertising Agency, 52 Vanderbilt av., New York.
Hicks-Bull Machine Co., Inc., 1107 Dock, Seattle, Wash.
Hicks, C. W., machst. & fndr., Lynchburg, Va.
Hicks Co., Ltd., masons' & bldrs.' matls., Shreveport, La.
Hicks Dovetail Lath Co., Inc., plaster lath, Inglewood, Calif., & San Fernando Bldg., Los Angeles, Calif.
Hicks, Frank A., machy. dlrs., 242 Central av., Los Angeles, Calif.
Hicks, Harry, machsts. & fndrs., North Vernon, Ind.
Hicks Iron Works, oil engines, 967 Howard, San Francisco, Calif.
Hicks, John H., lbr., Avondale, Pa.
Hicks, Jas. L., 967 Howard St., San Francisco, Calif.
Hicks, S. B., Co., 910 1st av. So., Seattle, Wash.
Hicks, W. Wesley, electric heaters, Rialto Bldg., San Francisco, Calif.
Hicks' Sons, Wm. S., 235 Greenwich St., New York.
Hickson Lumber Co., Lynch Bldg., Lynchburg, Va.
Hickson-Rogers Mfg. Co., Paragould, Ark.
Hickson, Stephen, 559 Broome St., New York.
Hico Milling Co., flour, Burlington, N. C.
Hico Oil Mill, meal, Hico, Tex.
Hidalgo Steel Co., 53 Park Pl., New York.
Hidecker Brick Co., 958 60th, Oakland, Calif.
Hidden Otis Co., wholesale hardware, Louisville, Ky.
Hide & Leather, trade publication, 136 W. Lake, Chicago, Ill.
Hide & Leather Working Mach. Co., 4215 Weinecke, Milwaukee, Wis.

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Hider Steel Ball Works, 247 Water St., Binghampton, N. Y.
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Hieb Box Mfg. Co., doweis, handles, etc., Merrill, Wis.
Hiener Hardware Co., 1301 Market, Wheeling, W. Va.
Hiergesell Bros., 2007 Bellevue Ave., Philadelphia, Pa.
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Hierspiel Bros., cornices, Peoria, Ill.
Hiertz Metal Co., Theodore, Alaska and Tesson Sts., St. Louis, Mo.
Hiertz, Theo., Metal Co., Alaska & Tesson, St. Louis, Mo.
Hiestand & Co., masons' & bldrs.' matls., Salunga, Pa., & Eaton, Ohio.
Higby, Gilbert C., architect, 207 Market, Newark, N. J.
Higganum Hardware Co., Higganum, Conn.
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Higgins & Sons, Wm., 146 Washington St., Buffalo, N. Y.
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Higgins Co., J. H., 198 Globe St., Providence, R. I.
Higgins Dental Mfg. Co., Bellevue, Ohio.
Higgins, Frank B., metal doors, 203 N. 12th, St. Louis, Mo.
Higgins Ink Co., 271 9th St., Brooklyn, N. Y.
Higgins, J. C., Mfg. Co., automatic water heaters & soil pipe fittings, 2228 Keltner blvd., San Diego, Calif.
Higgins, J. E., Lumber Co., 423 6th, San Francisco, Calif.
Higgins, J. F., & Co., cornices, 5521 Wells st., St. Louis, Mo.
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Higgins, John C., 1218 W. Grand Ave., Chicago.
Higgins-Jung Kleinau Co., stone & granite producers, Bloomington, Ill.
Higgins Lumber & Export Co., A. J., Whitney-Central Bldg., New Orleans, La.
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Higgins Spring & Axle Co., Racine, Wis.
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Higgins, W. R., sash, door & blind, Chelan, Wash.
Higgins, Wm., Dry Docks & Marine Rys., Bayonne, N. J.
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High Point Furn. Co., Dept. H, High Point, N. C.
High Point Lumber Co., Dept. H, High Point, N. C.
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High Point Mill Co., lumber, High Point, Wash.
High Point Milling Co., flour, High Point, N. C.
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High Shoals Mfg. Co., cotton sheetings, High Shoals, Ga.
High Speed Engine Corp., marine engines, 231 Murray, Newark, N. J.
High Speed Hammer Co., Inc., riveting machines, 313 Norton, Rochester, N. Y.
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Highhouse's, E., Sons, brick, Warren, Pa.
Highland Body Mfg. Co., Elmwood Place, Cincinnati, O.
Highland Chemical Products Co., Connellsville, Pa.
Highland Cherry Farm Co., canned, Clyde, Ohio.
Highland Coal Co., masons' & bldrs.' matls., Somerville, Mass.
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St. Paul Electric Co., 145 E. Fifth, Garfield 7441.
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MO.—St. Joseph—Columbian Electric Co.
St. Louis—Commercial Electrical Co., 320 S. Broadway, Main 1292.
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Western Electric Co., 810 Spruce, Main 1611.
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Mid-West Electric Co.
Western Electric Co., 802 Farnam St., Atlantic 5740.
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Western Electric Co., 64 Park Place, Market 9900.
N. Y.—Binghamton—Southern New York Electric Supply Co., Corp.
Southern Tier Electrical Supply Co.
Buffalo—McCarthy Bros. & Ford, 75 W. Mohawk, Seneca 3197.
Robertson-Cataract Electric Co., 151 W. Mohawk, Seneca 5100.
Western Electric Co., 711 Main, Tupper 6200.
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J. H. Bunnell & Co., Inc., 32 Park Place, Barclay 6115.
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Western Electric Co., 195 Broadway, Cortland 7700.
Niagara Falls—Elderfield-Hartshorn Hdw. Co., 40 Falls, Niagara Falls 2134.
Rochester—Stromberg-Carlson Tel. Mfg. Co., 1050 University Ave., Stone 1941.
O.—Cincinnati—F. D. Lawrence Electric Co., 219 W. 4th, Main 4435.
Post-Glover Electric Co., 308 W. 4th St., Main 3.
Western Electric Co., 312 Elm, Main 600.
Cleveland—Erner Electric Co., 1240 Ontario, Main 7520.
Western Electric Co., 1010 Oregon Ave., Cherry 603.
Columbus—Erner & Hopkins Co., 146 N. Third, Main 280.
Mansfield—Ohio Brass Co.
Toledo—F. Bissell Company, 812 Lafayette, Adams 846.
W. G. Nagel Electric Co., 28 St. Clair, Adams 1822.
ORE.—Portland—Fobes Supply Company, 8th & Davis, Broadway 1888.
Pacific States Electric Co., 5th & Davis, Broadway 5728.
Western Electric Co., Union & E. Ash, Broadway 8121.
PA.—Harrisburg—Harrisburg Electric Supply Co.
Johnstown—Swank Hardware Company.
Philadelphia—Colonial Electric Co.
Electric Service Supplies Co., 17th & Cambria, Diamond 6574.
Jones-Beach & Company, 50 N. 7th, Market 0408.
H. C. Roberts Electrical Co., 11th & Race, Filbert 3616.
Western Electric Co., 11th & York, Walnut 5405.
Pittsburgh—Doubleday-Hill Electric Co., 719 Liberty, Grant 1575.
Iron City Electric Company, 4627 Baum, Schenly 4890.
W. T. McCullough Electric Co., 317 First Ave., Court 2420.
Robbins Electric Company, 830 Liberty, Grant 6780.
Union Electric Co., 933 Liberty, Grant 5810.
Western Electric Co., 910 River Ave., Cedar 2300.
S. C.—Anderson—Sullivan Hardware Company.
TEX.—Dallas—Electric Appliance Company.
Southwest General Electric Co.
Houston—Southwest General Electric Co., 3rd & Railroad, Preston 648.
WASH.—Seattle—Fobes Supply Company, 560 1st St., Eliot 4417.
Meyers and Schwartz, 1626 Eighth, Eliot 0862.
North Coast Electric Co., 206 Third St., Eliot 5316.
Western Electric Co., 84 Marion, Main 6650.
Tacoma—Love Electric Co.
W. VA.—Fairmont—Fairmont Supply Company.

(Continued on following page)

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HIGHLAND ELECTRO-CHEMICAL MANUFACTURING CO.—Continued.
WIS.—Milwaukee—Julius Andrae & Sons Company, 362 Broadway, Broadway 4900.
Boggis-Johnson Electric Co., 346 E. Water, Broadway 1028.
Burdick Electric Company, 72 West Water, Grand 653.
G-Q Electric Company, 23-25 Erie, Broadway 5400.
Milwaukee Electric Ry. & Light Co., 217 Sycamore, Grand 5100.
Western Electric Co., 460 Milwaukee, Broadway 5413.
CAN.—Toronto, Ont.—Canadian General Electric Co., Ltd.
Montreal, Que.—Canadian General Electric Co., Ltd.

Highland Engraving Co., 256 Sherman, Passaic, N. J.
Highland Fndrs. & Mach. Co., Somerset, Pa.
Highland Glass Co., Washington Pa.
Highland Iron & Steel Co., 280 4th av., Terre Haute, Ind.
Highland Knitting Mill, knitted gloves, Highland, N. Y.
Highland Mfg. Co., tablets & pads, Holyoke, Mass.
Highland Milk Condensing Co., Elkland, Pa.
Highland Mill Co., flour, Willette, Tenn.
Highland Milling Co., flour, Highland, Ill.
Highland Oil Co., gasoline, Clarion, Pa.
Highland Orchards Co., canned goods, Highland, N. Y.
Highland Paper Co., Johnsonburg, Pa.
Highland Park Mfg. Co., meal, cottonseed, 300 E. 16th, Charlotte, N. C.
Highland Slate Co., Slatedale, Pa.
Highland Stone Co., Olive Hill, Ky.
Highland Woodworking Co., 1223 N. Highland av., Los Angeles, Calif.
Highland Worsted Mills, sweaters, etc., Camden, N. J.
Highlands Fire Clay Co., Mackind & Berthold av., St. Louis, Mo.
High Point Machine Works, Inc., High Point, N. C.
High Speed Hammer Co., Inc., 313 Norton St., Rochester, N. Y.
High-Speed Metallic Packing Co., 916 Oakwood Blvd., Chicago.
Highton & Sons Co., Wm., Nashua, N. H.
Highton, Wm., & Sons Co., builders' & cabinet hardware, brass, bronze & iron castings, mfrs., Nashua, N. H.
Hightower Box & Tank Co., Atlanta, Ga.
Hightower Planing Mill, Cedartown, Ga.
Highway Engng. & Contr., trade publication, Monadnock Bldg., Chicago, Ill.
Highway Engine Co., The, Defiance, O.
Highway Iron Products Co., Ligonier, Ind.
Highway Product & Mfg. Co., Elmira, N. Y.
Highwood Mfg. Co., masons' & bldrs.' matls., Highwood, Ill.
Higley Machine Co., 55 Chestnut St., South Norwalk, Conn.
Higley Mach. Co., Croton Falls, N. Y.
Higman, John W. Co., china clays, flint pebbles, chalk, 29 Broadway, New York.
Higrade Motor Co., Harbor Springs, Mich.
Higrade Slate Co., roofing, Granville, N. Y.
Higrade Tent & Duck Co., 304 E. 4th, Los Angeles, Calif.
Hi-Grade Wireless Inst. Co., Asheville, N. C.
Hihn, F. A., Co., lbr. mfrs., Santa Cruz, Calif.
Hilb & Bauer, 711 Union Trust Bldg., Cincinnati, O.
Hilb & Co., H., 408 N. 3rd St., St. Louis, Mo.
Hilbert Mach. Co., 2116 Colerain Ave., Cincinnati, O
Hild Canning Co., Pierre, S. D.
Hildebrandt, John J., Co., fishing tackle, Logansport, Ind.
Hildebrandt Provision Co., meat packers, 3620 Clark av., Cleveland, Ohio.
Hildred, John W., & Co., mill & factory supplies, St. Paul, Minn.
Hildreth & Co., testing laboratories, 15 Broad, New York.
Hildreth, A. G., 25 Hermon St., Worcester, Mass.
Hildreth Bros., Harvard, Mass. (Now Lewis R. Ripley).
Hildreth Granite Co., 31 State, Boston, Mass.
Hildreth, H. V., granite, Graniteville, Mass.
Hildreth Iron Works, Hildreth, Neb.
Hildreth Varnish Company, Inc., 90 West St., New York.
Hildrith, Herbert V., Graniteville, Mass.
Hilf Bros., contractors, 9½ Norton, Pittsburgh, Pa.
Hilfinger Bros., plow clamps, potteries, etc., Fort Edward, N. Y.
Hilgard Lumber Co., Selma, Ala.
Hilgard Lumber Co., 332 S. Michigan Ave., Chicago.
Hilgartner Marble Co., 223 N. Chas. Baltimore, Md.
Hilgen Mfg. Co., lumber, Cedarburg, Wis.
Hilker Bros. Brick Mfg. Co., Racine, Wis.
Hilker, Charles, & Sons, lbr., 1339 Erie, Fort Wayne, Ind.
Hilker, H. A., brick, Racine, Wis.
Hill & Cutler, cotton waste, 176 Federal, Boston, Mass.
Hill & Evans, cornices, Nanticoke, Pa.
Hill & Griffith Co., The, Birmingham, Ala.

HILL & GRIFFITH CO., THE, foundry supplies, 1248 State av., Cincinnati, O.
Branch Offices:
Chicago—3900 S. Union av.
Birmingham, Ala.—7th av. & 30th N.

Hill & Karnes Brick Co., Paduach, Ky.
Hill & Langstroth, hdwe. mfrs., 79 Beekman, New York.
Hill & Sons, Geo. W., Pittsburg, Kan.
Hill, A. E., Mfg. Co., machsts. & fndrs., Atlanta, Ga.
Hill, A. R., & Co., masons' & bldrs.' matls., Willoughby, Ohio.
Hill, Arthur, & Co., (Ltd.), lbr. mfrs., Saginaw, Mich.
Hill, Arthur E., architect, 75 Westminster, Providence, R. I.
Hill-Behan Lumber Co., 6800 Page, St. Louis, Mo.
Hill Brass Co., N. N., East Hampton, Conn.
Hill Bros. & Co., turned wood novelties, Williamsburg, Mass.
Hill Bros. Marble & Granite Co., Dept. H, Dalton, Ga.
Hill, Brunner Fdry. Supply Co., see Hill & Griffith (successors).
Hill, C. D., & Co., architects, Larendon Bldg, Houston, Tex.
Hill, C. V., & Co., refrigerators, stove trucks, etc., Trenton, N. J.
Hill, C. W., masons' & bldrs.' matls., Walden, N. Y.
Hill, C. W., Chemical Co., 405 E. 3d, Los Angeles, Calif.
Hill City Machine Shop, Rome Ga.
Hill, Clarke & Co., Inc., 156 Oliver St., Boston, Mass.
Hill, Clarke & Co. of Chicago., 649 W. Washington St., Chicago. (Mchy.)
Hill, Clemens F., carriages, Easton, Pa.
Hill Clothes Dryer Co., clothes dryer & ash sifter mfrs., 40 Central, Worcester, Mass.
HILL CLUTCH MACH. & FDRY. CO., W. 65th St., Cleveland, O.

HILL CO., INC., ALBERT P., 233 Oliver, Pittsburgh, Pa.
Hill Co., G. Q., 82 Brookline Ave., Boston, Mass.

HILL CO. OF NEW YORK, W. S., 8 W. 40th St., New York.

Hill-Curtis Co., Park St., Kalamazoo, Mich.
Hill, Dan L., machsts., Keene, N. H.
Hill Dredging Co., Atlantic City, N. J.
Hill-Drummond Lumber Co., Saginaw, Mich.
Hill Dryer Co., 40 Central St., Worcester, Mass.
Hill, E. C., & Son, contrs., 120 W. Ostend, Baltimore, Md.
Hill, E. W., wagons, dumping, 24 Pollock av., Jersey City, N. J.
Hill, Edwin M., 2601 Penn Ave., Pittsburgh, Pa.
Hill, Ernest W., Pollock Ave., Jersey City, N. J.
Hill, F. H., Co., coffins, etc., 944 Washington blvd., Chicago, Ill.
Hill, Frank L., masons' & bldrs.' matls., Danville, Ill.
Hill, Geo., arch'l engrs., 51 E. 42d, New York.
Hill, Geo. W., masons' & bldrs.' matls., Rockville, Conn.
Hill Hardware & Paint Co., Nashua, N. H.
Hill Hardware Co., Columbia, Miss.
Hill, Hubbell & Co., Fife Bldg., San Francisco, Calif.
Hill-Independent Mfg. Co., copying baths, High & P. & R. R., Philadelphia, Pa.
Hill Insulating & Manufacturing Corp., The, 511-513 W. 42nd St., New York.
Hill, J. C., Lumber Co., Houston, Tex.
Hill, J. H., & Sons, line tags, Coventry, R. I.
Hill, J. T., & Son, refrigerator locks, 526 20th, Oakland, Calif.
Hill, John, Constr. Co., Syndicate Trust Bldg., St. Louis, Mo.
Hill, Lodowick J., Jr., architect, Atlanta Nat. Bk. Bldg., Atlanta, Ga.
Hill Logging Co., Bunker, Wash.
Hill Mfg. Co., cotton sheetings, Lewiston, Me.
Hill Mfg. Co., Jas., 52 Westfield St., Providence, R. I.
Hill, Martin & Hill, cornices & skylights, Independence, Mo.
Hill, Mock & Griffin, architects, Tacoma Bldg., Tacoma, Wash.
Hill Pump Valve Company, 4601 Belmont Ave., Chicago.
Hill, Richard F., Mfg. Co., sporting goods, 219 High, Newark, N. J.
Hill Rubber Heel Co., Elyria, Ohio.
Hill, S., & Son, cornices & skylights, Santa Ana, Calif.
Hill, Samuel, Hardware Co., Prescott, Ariz.
Hill-Smith Metal Goods Co., ferrules, nuts, washers, etc., 102 Brookline av., Boston, Mass.
Hill-Standard Co., Anderson, Ind.
Hill Tension Electrical Specialty Co., Newton, Mass.
Hill, Thos., machsts., Bridgeport, Ohio.
Hill-Thomas Lime & Cement Co., masons' & bldrs.' matls., East St. Louis, Ill.
Hill, W. C., flour mills, Dandridge, Tenn.
Hill, W. H., see Ford Plbg. & Htg. Co. (successors).
Hill, W. H., Cambridge Springs, Pa.
Hill, W. V., stone, Morton, Pa.
Hill, Walter E. & Co., htg. contrs., 400 W. Howard, Baltimore, Md.
Hill, Warren C., 142 Berkeley, Boston, Mass.
Hill, Wm. C., churns, wood pumps, Brasher Falls, N. Y.
Hill, Wm. J., struct'l slate, 70 Wall, New York.
Hillard, C. J. Co., ornamental iron, 19th & Minnesota, San Francisco, Calif.
Hillen, Frank, cornices & skylights, Burlington, Ia.
Hillenbrand Co., lbr., Batesville, Ind.
Hillerich & Bradsby Co., golf clubs, sporting & athletic goods mfrs., 725 S. Preston, Louisville, Ky.
Hiller, Stanley, Inc., fertilizer machy., waste products engnrs., etc., 369 Pine, San Francisco, Calif.
Hilles & Jones Company, 9th & Church Sts., Wilmington, Del.
Hilles & Jones Co., see Consolidated Machine Tool Corp. of America (successors).
Hillgreen, Lane & Co., organs, Alliance, Ohio.
Hillhouse & Taylor, masons' & bldrs.' matls., Willimantic, Conn.
Hillhouse Hardware Co., Sylvester, Ga.
Hilliard & Merrill, Inc., leather, 130 Eastern av., Lynn, Mass.
Hilliard Clutch & Machinery Co., The, Elmira, N. Y
Hilliard Co., E. E., Buckland, Conn.
Hillick, James, Co., contrs., Ithaca, N. Y.
Hillier's, R., Son Co., see Anderson-Hillier Co., Inc. (successors).
Hilliker, C. M., & Sons, machsts. & fndrs., Akron, Ia.
Hillinger, R. J., & Co., fountain pen mfrs., 10 S. Wabash av., Chicago, Ill.
Hillis, J. W., & Son, machsts. & fndrs., Ladoga, Ind.
Hillis Bros., fertilizer mfrs., Weimar, Tex.
Hillman Auto Supply Mfg. Co., auto windshields, 98 Massachusetts av., Boston, Mass.
Hillman, Chas. L., & Son, architects, 400 Chestnut, Philadelphia, Pa.
Hillman, C. Kirk, Co., machy. dlrs., 3201 1st av. S., Seattle, Wash.

HILLMAN COAL & COKE CO., 2206 First Nat'l Bank Bldg., Pittsburgh, Pa.

Hillman, F. G., mill and facty. supplies, 231 Pope New Bedford, Mass.
Hillman, H. M., 59 Pearl St., New York.
Hillman Mfg. Co., auto visors & windshields, 749 Kohler st., Los Angeles, Calif.
Hillock & Pitman, Logansport, Ind.
Hills, Alfred L., Hartford, Conn.
Hills, Chas. L., machy. dlrs., 47 14th, Wheeling, W. Va.

HILLS, CHAS. W., patent attorney, 1523-36 Monadnock Bldg., Chicago, Ill.

Hills, Edwin, Plainville, Conn.
Hill's, F. J., Sons, machsts., 6 Howard, New York.
Hills, F. O., machsts. & fndrs., Milroy, Ind.
Hills-McCanna Company, 2025 Elston Ave., Chicago.
Hills Sons & Co., Edward, (Chemicals) 21 E. 40th St., New York.
Hillsboro Coal Co., Hillsboro, Ill.
Hillsboro Condensed Milk Co., canned, Hillsboro, Wis.
Hillsboro Cotton Mills, Hillsboro, Tex.
Hillsboro Dredging Co., Tampa, Fla.
Hillsboro Hardware Lumber Co., Hillsboro, Wis.
Hillsdale Granite Co., Roslyn, Pa.
Hillsdale Plow Co., fndrs., Hillsdale, N. Y.
Hillsdale Screen Co., Hillsdale, Mich.
Hillside Canning Co., Port Townsend, Wash.

HILLSIDE FLUOR SPAR MINES, General Offices, 38 S. Dearborn St., Chicago.
Pres.—G. H. Jones.
V. P. & Mgr. of Sales—J. L. Hench.
Warehouse Stocks in
Chicago.
Cleveland, O.
St. Louis, Mo.

Hillview Shingle Co., Montesano, Wash.
Hillyer Deutsch-Edwards, Inc., Oakland, La.
Hilo Varnish Corp., Marcey Ave., Brooklyn, N. Y.
Hils, Chas. L., Co., scrap iron, rubber, Front & Mills, Cincinnati, Ohio.
Hilsenbeck, H. C., mill & facty. supplies, Greeley, Ia.
Hiltebrandt Dry Dock Co., Inc., C., South Bondout, N.Y.
Hilton, J. D., canned goods, Fincastle, Va.
Hilton Hardware Co., Harrisonburg, Va.
Hilton Lumber Co., Wilmington, N. C.
Hilts, Wm. H., Co., cornices, 82 W. 3d, New York.
Hilts Wrench & Mfg. Co., boiler flue cleaners, Richford, N. Y.
Hilty, J. H., & Son, brick, Ada, Ohio.
Hilty, M., Lbr. Co., 3728 Grand av., Milwaukee, Wis.
Hiltz, John, & Sons, contractors, 343 St. Paul, Baltimore, Md.
Hime, J. R., Sand Co., sand producers, Junction City, Ga.
Himebaugh Bros., army cots, Jamestown, N. Y.
Himes, Albert, Coal Co., masons' & bldrs.' matls., Grand Rapids, Mich.
Himmel & Son, M. L., Calverton rd. & Hallins st., Baltimore, Md.
Himmelberger-Harrison Lbr. Co., Cape Girardeau, Mo.
Himmelein & Bailey, 246 Chestnut St., Philadelphia, Pa.
Himoff Mach. Co., mills, Astoria, Long Island, N. Y.
Himrod & McKay Lumber Co., Flatwood, Ala.
Hinamon, D. M., stone producers, Marion, Ohio.
Hincher Mfg. Co., folding chairs, garment hangers, Washington, Ind.
Hinchey & Co., Patrick F., Hydeville, Vt
Hinchliff, Geo., Co., contractors, 10137 S. Hoyne av., Chicago, Ill.
Hinchliff Lumber Co., Galesburg, Ill.
Hinchman-Renton Fireproofing Co., 1815 Arapahoe St., Denver, Colo.
Hinchman, E. G., Co., htg. contrs., 1263 Atlantic av., Brooklyn, N. Y.
Hinchman, J. R., architect, 405 Lexington av., New York.
Hinchman-Renton Const. Co., 211 N. 7th, St. Louis, Mo.
Hinchman-Renton Fireproofing Co., 1815 Arapahoe, Denver, Colo.
Hinckley & Schmitt, Inc., 420 W. Ontario St., Chicago.
Hinckley, Chas. C., machsts., Aurora, Ill.
Hinckley-Dwight Lbr. Co., Gest & Dalton, Cincinnati, Ohio.
Hinckley Fibre Co., Hinckley, N. Y.
Hinckley-Meyers Co., The, Jackson, Mich.
Hinckley Machine Works, Hinckley, Ill.
Hincks, Jos. L. S., caskets, coffins, etc., Old Town, Me.
Hind-Rolph & Co., 230 California St., San Francisco, Calif.

HINDE & DAUCH PAPER CO., THE, 253 Water st., Sandusky, Ohio.
Branch Offices:
ILL.—Chicago—326 River st.
MD.—Baltimore—1205 Munsey Bldg.
MASS.—Boston—185 Devonshire st.
MICH.—Detroit—1024 Penobscot Bldg.
MINN.—Minneapolis—419 Kasota Bldg.
MO.—St. Louis—1611 Liberty Central Trust Bldg.
N. Y.—New York—291 Broadway.
O.—Cincinnati—P. O. Box 602.
Toledo—1133 Ohio Bldg.
PA.—Philadelphia—378 Drexel Bldg.
Pittsburgh—4139 Jenkins Arcade.
VA.—Richmond—1029 Mutual Bldg.

Hinde Brick & Tile Co., Sandusky, O.
Hinderer's Iron Wks., machsts., 118 Camp, New Orleans, La.
Hindle, Walter E., machst., 28 Howard av., New York.
Hindley, Edwin B. & Co., mill & facty. supplies, Paterson, N. J.

HINDLEY GEAR CO., 1105 Frankford, Philadelphia, Pa.

Hindley Mfg. Co., John St., Valley Falls, R. I.
Hinds & Coon, 45 Purchase st., Boston, Mass.
Hinds, J. A., & Co., flour mills, Rochester, N. Y.
Hinds, O. L., Co., overalls, Burlington, Vt.
Hinds, Thomas, Malone, N. Y.
Hine Bros., mfrs. of colors & dyes, 68 William, New York.
Hine Bros. Co. (Soap), 4023 S. Ashland Ave., Chicago.
Hines Bros. Lbr. Co., lumber mfrs., Kinston, N. C.
Hines, C. C., patent attorneys, Washington Loan & Trust Bldg., Washington, D. C.
Hine, Cicero, architect, 3221 Broadway, Chicago, Ill.
Hines Co., Inc., J. H., Central Bank Bldg., Memphis, Tenn.
Hines, Frank & Son, contrs., Muncie, Ind.
Hines, Frank, Jr., lumber, Ellsworth, Wis.
Hines, G. A. & Co., cornices, 3964 Humboldt av., Detroit, Mich.
Hines Lumber Co., Rutherfordton, N. C.
Hines Lumber Co., Edward, 2431 S. Lincoln St., Chicago.
Hines Pattern & Mfg. Co., castings, wood & metal patterns, 10108 Detroit, Cleveland, O.
Hines, Thos. (Drill Chucks) 8739 Beaubien St., Detroit, Mich.
Hingley, J. A., Mach. Co., Denver, Colo.
Hinkel, J. K., Mfg. Co., carriage & wagon materials mfrs., Mechanicsburg, Pa.
Hinkle, E. P., & Co., mattresses, 488 Maine av., S. W., Washington, D. C.
Hinkle Iron Co., The, 534 W. 56th St., New York.
Hinkson Bros., machsts., East Brook, Pa.
Hinman & Co., D. A., 12 Main St., Sandwich, Ill.
Hinman Milking Mach. Co., Oneida, N. Y.
Hinners Organ Co., Pekin, Ill.
Hinrichs Chemical Corp., Hans, 50 Union Sq., New York.
Hinsdale Woolen Mills, Hinsdale, Mass.
Hinsdill Elec. Co., storage batteries, 225H River, Troy, N. Y.
Hinshaw, J. M., & Co., flour Yadkinville, N. C.
Hinshaw, S. T., & Co., flour, Yadkinville, N. C.
Hinsman Machine & Tool Co., builders of special machinery tools, etc., Westfield, Mass.
Hinson, C., & B. Co., auto, belts, 1511 Chase, Cincinnati, Ohio.
Hinson, C., & Co., turpentine, Williston, Fla.
Hinton, Fdry., Mach. & Plumbing Co., Hinton, W. Va.
Hinton Milling Co., flour, Hinton, W. Va.
Hinton-Tuckett Mfg. Co., Freeport, Ill.
Hinz, Albert, cornices, 403 E. 16th, New York.
Hipolito Screen & Sash Co., 634-38 Maple Ave., Los Angeles, Calif.
Hippey, Edw., mach. & fndr., Portland, Ore.
Hipple Planing Mill Co., sash, door & blind mfrs., Lock Haven, Pa.
Hipple, W. B., machst., San Pedro, Cal.
Hippley, E., Machine Works, 224 Oak, Portland, Ore.
Hipskind Heating & Plumbing Co., Wabash, Ind.
Hipskind, Philip, & Son, contrs., Huntington, Ind.
Hipwell, Chas. G., cornices & skylights, Davenport, Ia.
Hipwell Mfg. Co., 835 W. North Ave., Pittsburgh, Pa.
Hiram Co-operative Canning Ass'n, Hiram, Me.

Hires Condensed Milk Co., Drexel Bldg., Philadelphia, Pa.
Hires, Turner Glass Co., 30th & Walnut Sts., Philadelphia, Pa.
Hirsch & Co., James H., 205 W. Monroe St., Chicago (now A. G. Meier & Co.).
Hirsch & Son, Leon, 368 Greenwich St., New York.
Hirsch, Adolph, & Co., crude rubber, 63 Park Row, New York.
Hirsch Bros. & Co., canned goods, Louisville, Ky.
Hirsch Bros., 267-71 Reed St., Milwaukee, Wis.
Hirsch Bros. Co., canned goods, Pittsburgh, Pa.
Hirsch Bros.' Mer. & Prov. Co., meat, Cape Girardeau, Mo.
Hirsch Cooperage Co., Houston, Texas.
Hirsch, D., & Bro., canned goods, Milford, Del.
Hirsch, F. S. & W. W., Inc., 845 E. 6th, Los Angeles, Calif.
Hirsch, G., & Co., scrap iron, etc., 417 5th av., Cleveland, O.
Hirsch, G., Sons, silk fringes, 1913 W. 3d, New York.
Hirsch, I. L., cornices & skylights, Tacoma, Wash.
Hirsch, John, smoking pipes, 524 S. Spring, Los Angeles, Cal.
Hirsch, Leo. H., & Co., buttons, 300 E. 22d, New York.
Hirsch, Louis, Inc., knitting machs., 1328 Broadway, New York.
Hirsch Lumber Co., 2 W. 45th St., New York.
Hirsch Mfg. Co., overalls, Cumberland, Md.
Hirsch-Weis Mfg. Co. (Tents & Awnings), 205 Burnside St., Portland, Ore.
Hirschberger, H., Co., cornices & skylights, 247 Ankeny, Portland, Ore.
Hirschfeld, A., soap, Winona, Minn.
Hirschfield, H., & Son, scrap iron, Bay City, Mich.
Hirschfielder & Meaney, 36 Battery St., San Francisco, Calif.
Hirschfields, Theo., Sons Co., contractors, 1036 Straight, Cincinnati, Ohio.
Hirschl & Bendheim, smoking pipes, Washington, Mo.
Hirschman Co., J. C., 1201 E. Maryland, Indianapolis, Ind.
Hirschman, Inc., W. F., (Mach'y & Ventilators), 92 Main St., Buffalo, N. Y.
Hirschorn, Schoenberger & Krieger, arch'l iron, 608 E. 133d, New York.
Hirsh & Schofield, brewers' & malsters' machy. & supplies, 50 Broad, New York.
Hirsh, Leon, & Son, ammonia, potash, etc., 368 Greenwich, New York.
Hirshberg Paint Co., paint mfrs., 106 W. Pratt, Baltimore, Md.
Hirshfeld, Herman, pearl buttons, New Milford, N. J.
Hirt Bros., cornices, 2013 Elm, Cincinnati, Ohio.
Hirth, F. H., stone producers, Grand Rapids, Mich.

HIRST & BEGLEY LINSEED WKS., 2013 Mendell St., Chicago.
Mgr.—J. L. Reque.
Grand Rapids, Mich.—Smith Bldg., Roy Baker.
Peoria, Ill.—Born-Reid-Morgan Co.

HISEY-WOLF MACHINE CO., Cincinnati, O.

Hislop, Jas. W., machsts., Troy, N. Y.
Hi-Speed Machine Tool Co., Detroit, Mich.
Hi-Speed Trailer Car, East Rochester, N. Y.
Hist Potato Machinery Co., potato diggers, Alliance, O.
Hitchcock & Curtiss Knitting Co., 699 Broad st., Hartford, Conn.
Hitchcock, A. H., publisher, 508 S. Dearborn, Chicago, Ill.
Hitchcock, F. F., cornices & skylights, Woodbury, Conn.
Hitchcock Hardware Co., Watertown, Conn.
Hitchcock, L., canned goods, Eagle Harbor, N. Y.
Hitchcock, L. H. & Son, wholesale hdwe., 126 2d av. N., Nashville, Tenn.
Hitchings & Co., Spring & Lousa Sts., Elizabeth, N. J.
Hitchings, Ben G., sash, door & blind mfrs., 3413 Av. H., Brooklyn, N. Y.
Hite & Co., W. W., 221 W. Main St., Louisville, Ky.
Hitchner & Bassett, masons' & bldrs.' matls., Woodstown, N. J.
Hitchner & Hitchner, cedar tree posts, etc., Sand Point, Idaho.
Hitchner Wall Paper Co., elec. wiring moldings, Camden, N. J.
Hiteshew & Co. masons' & bldrs.' matls., Chambersburg, Pa.
Hi-Test Lubricant Co., 333 Folsom, San Francisco, Calif.
Hitner's Sons Co., Henry A., 23rd and Vine Sts., Philadelphia, Pa.
Hitz, C., Foundry Co., Girard, Kas.
Hitz, Chas., cornices, Providence, R. I.
Hitz, Chas. R., brass fndrs., 2326 N. 5th, Philadelphia, Pa.
Hitzeroth, Edw., archl. iron, 3419 Race, Philadelphia, Pa.
Hi-Voltage Equipment Co., 3305 Croton Ave., Cleveland, O.
Hjernstad, J. M., machinist, Red Wing, Minn.
Hjorth & Co., Wm., 28 Taylor St., Jamestown, N. Y.
Hjorth Lathe & Tool Co., 10 Tremont st., Boston, Mass.
Hjorth Tool Corpn., 28 Taylor, Jamestown, N. Y.
Hjorth, Wm., & Co., see Hjorth Tool Corpn. (successor).
Hoadley, J., & Sons' Co., stone producers, Stinesville, Ind.
Hoadley Stone Co., Bloomington, Ind.
Hoag, C. F., Co., knitted gloves, Poughkeepsie, N. Y.
Hoag, D. F. & Co., engrs., Corn Exchange Bldg., Minneapolis, Minn.
Hoag Duster Co., Monticello, Ia.
Hoag Lumber Co., Dept. H., Springport, Mich.
Hoag, Wm. M., masons' & bldrs.' matls., 120 Liberty, New York.
Hoagland, G. A., & Co., masons' & bldrs.' matls., Omaha, Neb.
Hoagland, J. M., & Co., contrs., Sharon, Pa.
Hoagland-Lakin Elec. & Eng. Co., htg. contrs., 1707 Naud, Los Angeles, Calif.
Hoagland-Thayer, Inc., automobiles & stor. battery trucks, 95 Central, Newark, N. J.
Hoagland's, M. Sons' Co., mchsts. & fndrs., Rockaway, N. J.
Hoaglin, F. L., gasoline funnels, Waupaca, Wis.
Hoaglin Mfg. Co., fly killers, Waupaca, Wis.
Hoar Shovel Co., Inc., Duluth, Minn.
Hoard, M., & Co., contrs., Pantages Bldg., Seattle, Wash.
Hoare, J., & Co., cut glassware, Corning, N. Y.
Hoban Brass Fdry. Co., 44 Wyandott St., Dayton, O.
Hoban-Hunter-Feltner Co., 1105 Metropolitan Ave., Brooklyn, N. Y.
Hobart Estate Co., Hobart Mills, Calif.
Hobart-Lee Tie Co., lumber, Springfield, Mo.
Hobart Mfg. Co., Troy, O.
Hobaugh & Weiner, stone, Butler, Pa.
Hobbs Battery Co., 2019 Bay av., Los Angeles, Calif.
Hobbs Co., Clinton E., 33 Pearl St., Boston, Mass.
Hobbs Co., J. W., Federal Reserve Bank Bldg., St. Louis, Mo.
Hobbs Drain Tile Co., Hobbs, Ind.
Hobbs Hardware Co., Raton, N. Mex.
Hobbs Mfg. Co., 26 Salisbury St., Worcester, Mass.
Hobbs Mfg. Co., canned goods, Denton, Md.
Hobbs, Robt., Wall Paper Co., Hackensack, N. J.
Hobbs Storage Battery Corp., 2019 Bay St., Los Angeles, Cal.
Hobbs Supply Co., W. E., Eau Claire, Wis.
Hobbs, Wall & Co., Fife Bldg., San Francisco, Cal.
Hobensack, Wm., machsts., Ivyland, Pa.
Hoberg Co., John, Green Bay, Wis.
Hoboken Paper Mill Co., Hoboken, N. J.
Hoboken Sanitary Co., West Hoboken, N. J.
Hoboken White Lead & Color Works, Willow av. & 14th, Hoboken, N. J.
Hobrecht, J. C., Co., elec. fixtures, 11th & K, Sacramento, Calif.
Hobson & Co., agricultural implements, Easton, Pa.
Hobson, Houghton & Co., Ltd., 83 Beekman St., New York.
Hobson-Miller Mfg. Co., Martinsville, Ill.
Hobson, Russell B., West New Brighton, N. Y.
Hoch Bros., whol. hdwe., Chicora, Pa.
Hoch, Hames Co., Hazelton, Pa.
Hochenauer, Jos., machsts., Pueblo, Colo.
Hochstadter Laboratories, 227 Front St., New York.
Hockaday Company, The (Paints), 1823-29 Carroll Ave., Chicago.
Hockaday, E., & Co., whol. hdwe., Kingfisher, Okla.
Hockenjos, J. J., Co., plate glass, 829 Broad, Newark, N. J.
Hockensmith Wheel & Mine Car Co., Penn Station, Pa.
Hocker Bros., common brick, De Pere, Wis.
Hocker, E. W., & Co., contractors, Springfield, Ill.
Hockett, J. A., & Co., broom corn, Wichita, Kans.
Hocking Glass Co., opal & decorative, Lancaster, Ohio.
Hocking Valley Brick Co., Columbus, Ohio.
Hocking Valley Fire Clay Co., Nelsonville, O.
Hocking Valley Mfg. Co., Lancaster, O.
Hocking Valley Products Co., 175 S. High St., Columbus, O.
Hocking Valley Ry. Shops, machsts. & fndrs., Columbus, Ohio.
Hockman, Maurice Allen, architect, Watertown, S. D.
Hockwald Chemical Co., liquid soap, disinfectants & insecticides, 2211 Bush, San Francisco, Calif.
Hoctor, P., & Son, stone producers, Hudson, N. Y.
Hodapp & Miller, harness, saddles & strap wk. mfrs., Louisville, Ky.
Hodapp Hominy Co., Seymour, Ind.
Hodder Construction Co., Braddock, Pa.
Hodell Furn. Co., Dept. H, Shelbyville, Ind.
Hodes & Sullivan, advtg. spec., 140 Nassau, New York.
Hodgdon Bros., motor boat, launch & yacht bldrs., East Boothbay, Me.
Hodge & Graves Co., auto & folding seats, Amesbury, Mass.
Hodge & Homer, machinists supplies, 549-51 W. Madison st., Chicago.
Hodge & Stone, valve wheels, Middleton, Conn.
Hodge, A. L., & Son, masons' & bldrs.' matls., Roxbury Station, Conn.
Hodge Boiler Works, The, Summer St. near North Ferry, East Boston, Mass.
Hodge Fence & Lumber Co., Ltd., Lake Charles, La.
Hodge, Jeremiah, Co., packing boxes, sashes, doors, etc., 482 Elm, Manchester, N. H.
Hodge Mfg. Co., machsts. & fndrs., Greenville, Pa.
Hodge Ship Co., Moss Point, Miss.
Hodgeden, S. H., Ibr., Aitkin, Minn.
Hodgenville Roller Mills, flour, Hodgenville, Ky.
Hodges Boiler & Machine Works Co., Inc., Mobile, Ala.
Hodges Broom Works, Atlanta, Ga.
Hodges Bros., lumber, Olathe, Kans.
Hodges, C. S., lumber, Cyrene, Ga.
Hodges Chain Co., The, Galesburg, Mass.
Hodges Co., E. G., 526 Lake Drive, Milwaukee, Wis.
Hodges-Erwin Co., contrs., Blymer Bldg., Cincinnati, O.
Hodges Fibre Carpet Co., 212 5th Ave., New York.
Hodges, Frederick G., mattresses, Reading, Pa.
Hodges Stucco Machine Works, now Goodrich-Morris Co., The, Cincinnati, O.
Hodges, W. W., Co., architects, Schofield Bldg., Cleveland, Ohio.
Hodgkins & Co., 20 W. Jackson Blvd., Chicago.
Hodgkins Company, J. F., Gardiner, Me.
Hodgkins, M. W., Co., gloves, 1125 7th, Oakland, Calif.
Hodgkinson, J., & Son, sash, door & blind mfrs., Hyde Park, Mass.
Hodgman Rubber Co., Tuckahoe, N. Y.
Hodgman Rubber Co., 25 W. 43d, New York .
Hodgson Co., Ernest F., 71 Federal St., Boston, Mass.
Hodgson Fndry. Co., 2012 W. 13th, Chicago, Ill.
Hodson, G. & A., machsts, 226 Arch., Philadelphia, Pa.
Hodson, John M., pearl buttons, twine, tex. machy., etc., Boone & Markle, Philadelphia, Pa.
Hodson, O. O., cornices & skylights, McMinnville, Ore.
Hoe & Co., R., 504 Grand St., New York.
Hoe Corp., ironing machines, Poughkeepsie, N. Y.
Hoe, J. R., & Sons, brass & iron castings, coal mine cars & equipment, Middlesboro, Ky.
Hoe, Richard J. C., sash door & blind mfrs., 78 Lake, Jersey City, N. J.
Hoefel, Frederick, cornices, Pottsville, Pa.
Hoefer Mfg. Co., 20 Liberty St., Freeport, Ill.
Hoeffer & Co., 133 W. Washington St., Chicago.
Hoeffken Bros., contrs., Belleville, Ill.
Hoeffler, J., & Co., printing wks., 18 E. 138th, New York.
Hoefner & Sons, A., 160 Van Rensselaer, Buffalo, N. Y.
Hoeft & Co., Inc., (Die Makers), 400 N. Ashland Ave., Chicago.
Hoegee & Sons, tents, 243 E. 5th, Los Angeles, Calif.
Hoegee, Wm. H., Co., filter cloths & gun holsters, Los Angeles, Calif.
Hoegg, D. W., Co., canned goods, Mt. View Pk., Portland, Me.
Hoehn, Fred, sad iron handles, Cleveland, Ohio.
Hoehn, R., Co., hydrometers, 31 Union sq., New York.
Hoehn, Wm., Co., arch'l iron, 218 W. 20th, New York.
Hoehne, Ferdinand, machst., Kaukauna, Wis.
Hoehne, R. B., & Associates, brick & continuous kilns, 4475 Forest pk., St. Louis, Mo.
Hoelscher Bros., 1301 W. Division St., Chicago.
Hoen & Co., H., Biddle & Chester Sts., Baltimore, Md
Hoenigsberger, A., automobile robes, 16 S. Market, Chicago, Ill.
Hoepner Automatic Scale Co., 1401 W. Jackson Blvd., Chicago.
Hoeppner, Bartlett Co., Eau Claire, Wis.
Hoerlein, F. G., gas stoves, 200 Nostrand av., Brooklyn, N. Y.
Hoerner Mfg. Co., valve reseating reamers, 3929 Moneta av., Los Angeles, Cal.
Hoersting & Holtmann, cornices, 1133 W. 3d, Dayton, O.
Hoertz, Chas., & Son, contractors, Grand Rapids, Mich.
Hoeschen Mfg. Co. (see Paxton & Vierling Iron Wks.), Omaha, Neb.
Hoesh Bros., piston rings, Hammond, Ind.
Hoevel Mfg. Corp., sand blast mach., 166 Ogden av., Jersey City, N. J.
Hoey & Co., J., 15th & Vermont St., San Francisco, Cal.
Hoey & Gallaher Fndry. & Mach. Co., Kittanning, Pa.
Hofer, G., & Sons Co., cornices & skylights, Toledo, O.
Hoff & Brown, lbr., McCall, Idaho.
Hoff Magnesite Co., 333 Monadnock Bldg., San Francisco, Calif.
Hoffecker, J. H., Canning Co., Smyrna, Del.
Hoffeld & Co., R., 65 Carroll St., Buffalo, N. Y.
Hoffer, Allen R., & Co., scrap iron, Penna. Bldg., Philadelphia, Pa.
Hoffer, W., Furniture Co., music cabinets, Cohoes, N.Y.
Hoffman & Billings Mfg. Co., 100, 2nd St., Milwaukee, Wis.
Hoffman & Bryan, Findlay, O.
Hoffman & Co., R. C., Commercial Trust Bldg., Baltimore, Md.
Hoffman & Son, Chas. J., 96 Railroad St., Rochester, N. Y.
Hoffman, A. B., & Son, Inc., leather, 500 Boston, Lynn, Mass.
Hoffman & Scofield, tin plate, 100 Beekman, New York.
Hoffman-Ahlers Co., brewers' & malsters' machy. & supps., 828 E. Pearl, Cincinnati, Ohio.
Hoffman, Andrew, Mfg. Co., window casements, 28 E. Jackson blvd., Chicago, Ill.
Hoffman Bronze & Aluminum Castings Co., 992 Addison Rd. & St. Clair Ave., Cleveland, O.
Hoffman Bros., 800 Main st., Fort Wayne, Ind.
Hoffman Brothers, Eberhart Bldg., Punxsutawney, Pa.
Hoffman, C. J., & Sons, contrs., Rochester, N. Y.
Hoffman Casement Hdwe. Co., hinges, 20 W. 34th, New York.
Hoffman, Chas., contr., Jamaica, N. Y.
Hoffman, Chas., Co., cornices & skylights, Mansfield, O.
Hoffman, Chas. V., Co., Inc., fire brick, cements, etc., 225 W. 42d, New York.
Hoffman Co., George W., 557 E. Washington St., Indianapolis, Ind.
Hoffman-Corr Mfg. Co., 318 Lafayette St., New York.
Hoffman-Corr Mfg. Co., 312 Market St., Philadelphia, Pa.
Hoffman-Edwards Harness Co., 1115 Chestnut St., St. Louis, Mo.
Hoffman Engineering & Contr. Co., Croze Bldg., Philadelphia, Pa.
Hoffman, F., Co., contrs., Wilkinsburg, Pa.
Hoffman Furniture Co., mattresses, 37 Market, Newark, N. J.
Hoffman, Geo. J., Co., contrs., 714 W. Emerick, South Bend, Ind.
Hoffman, H. C., & Co., pckg. box mfrs., 592 Atlantic, Bridgeport, Conn.
Hoffman, H. H., & Co., loose leaf devices, 210 N. Lincoln, Chicago, Ill.
Hoffman Hardware Co., 229 S. Los Angeles St., Los Angeles, Cal.
Hoffman Hdwe. Co., Texarkana, Ark.
Hoffman Heater Co., The, Lorain, O.
Hoffman-Henon Co., architects, 70 W. 45th, New York.
Hoffman, Henon Co., architects, Finance Bldg., Philadelphia, Pa.
Hoffman Inc., Anton, 311-17 E. 91st St., New York.
Hoffman, Inc., J. C., 139 S. & 3rd Ave., New York.
Hoffman, J. C., & Bros., cornices, Sharon, Pa.
Hoffman, J. H. B., cornices, Albany, N. Y.
Hoffman, J. W., & Co., contrs., Bryant Bldg., Kansas City, Mo.
Hoffman, L., 45 Lafayette St., New York.
Hoffman-Marquard Mach. Co., machst. tools, 1523 N. Broadway, St. Louis, Mo.
Hoffman, M. J., Const. Co., contrs., Evansville, Ind.
Hoffmann Mfg. Co., B., 257-6th St., Milwaukee, Wis.
Hoffman, Oliver D., & Son, stone, Bechtelsville, Pa.
Hoffman, P., & Bro., fertilizer mfrs., Raubsville, Pa.
Hoffman, Paul, horse collars, Dubuque, Iowa.
Hoffman, Peter, cornices & skylights, Madison, Ind.
Hoffman, R. S., Co., paper & pulp mill, Baldwinsville, N. Y.
Hoffman Speciality Co., 29 Field St., Waterbury, Conn.
Hoffman, S. C., cornices & skylights, Leavenworth, Kan.
Hoffman, W. L., & Co., contrs., 133 W. 47th, Chicago, Ill.
Hoffman, Wm., auto wood bodies, 51 3d, Milwaukee, Wis.
Hoffman, W. R., furniture, Dept. H, Norfolk, Neb.
Hoffmann & Billings Mfg. Co., mill, factory & plbrs.' supplies, 100 2nd, Milwaukee, Wis.
Hofmann Engineering Company, Inc., 559 Quincy St., Chicago.
Hofmann La Roche Chemical Wks., 19 Cliff, New York.
Hoffmann, W. A., cornices & skylights, Galveston, Tex.
Hoffman's, P., Son, cornices, Sharon, Pa.
Hofft Co., M. A., 314 Washington st., Indianapolis, Ind.
Hofherr, Geo. W., glass stainers, 409 E. Fayette, Baltimore, Md.
Hoflus-Ferris Equip. Co., mill & facty. supps., Spokane, Wash.
Hoflus-Hudson Machy Co., Tide Flats, Tacoma, Wash.
Hoflus Steel & Equipment Co., Tacoma, Wash.
Hoflus Steel & Equipment Co., railway supps. & steel structl. work, 17 S. Washington, Seattle, Wash.
Hofman, A. C., & Sons, meat packers, Syracuse, N. Y.
Hofmann, John, cornices, Dixon, Ill.
Hofstatter, Theo., & Co., interior hardwood wk., 136 W. 52nd., New York.
Hogan & Son, (Steel) 373 Pearl St., New York.
Hogan & Di Genno, sash, door & blind mfrs., 1616 Webster av., New York.
Hogan, Jas. H., contr., 2073 Chapel av., New Haven, Conn.
Hogan, John R., 237 N. 6th St., Philadelphia, Pa.
Hogan Mfg. Co., water closet combination, 74 Grove, Hartford, Conn.
Hogan Milling Co., flour, Junction City, Kan.
Hogan Sheet Metal Wks., cornices, East St. Louis, Ill.
Hogarth, Jas., machsts. & brass fndrs., Deadwood, S. D.
Hogarty, Edw., machsts. & fndrs., Unionville, Conn.
Hoge, H. H., cooperage stock, New Knoxville, Ohio.
Hoge Mfg. Co., The, 215 Fulton St., New York.
Hogg-Harris Lumber Co., Fullerton Bldg., St. Louis, Mo.
Hogg, Geo., Co., contrs., Braddock, Pa.
Hogg, Jas. A., 100 Wallsex Bldg., Kansas City, Mo.
Hogg-Lynn Co., Inc., mill & facty supps., Elmira, N. Y.
Hoggson & Pettis Mfg. Co., 141 Brewery st., New Haven, Conn.
Hoggson Bros., contrs., 485 5th av., New York.
Hogin, McKinney & Co., mill & facty. supps., Marion, Ind.
Hog-Joy Co., oilers, Springfield, Ill.
Hogle, Albert P., Co., htg. contrs., 2259 Nostrand av., Brooklyn, N. Y.
Hoglund, G. E., Foundry Co., Gardner, Mass.
Hogue, S. D., & Son, machsts., Baton Rouge, La.
Hohenadel, P., Jr., Co., canned goods, H, Spring Brook, Janesville, Wis.
Hohlfelder, F., Co., chaplets (foundry), 1197 W. 67th, Cleveland, Ohio.
Hohlfeld Mfg. Co., 10th & Allegheny St., Philadelphia, Pa.
Hohman-Nelson Co., Eau Claire, Wis. (Now American Schaeffer & Budenberg Corp., Brooklyn, N. Y.)

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Hohman, C., & Sons., meat packers, 2038 E. Monument, Baltimore, Md.
Hohnsbeen Mfg. Co., 256-3rd Ave., S. Minneapolis, Minn.
Hohnsbehn Creamery Supply Co., Waverly, Ia.
Hohulin Bros., Goodfield, Ill.
Hoier, Wm. V., Co., htg. contrs., 707 N. Wells, Chicago, Ill.
Holgaard, C. J., Co., contrs.' tents, 30 Wash. av., N. Minneapolis, Minn.

HOIST & CRANE ENGINEERING CO., INC., THE, Engineering Bldg., Liberty, New York.
Pres.—J. Grant Cline

Hoisting Engine Sales Co., Grand Central Term., New York.
Hoisting Machy. Co., dlrs., 50 Church, New York.
Hoit, Price & Barnes, archts., Davidson Bldg., Kansas City, Mo.
Hoke Oil & Fertilizer Co., Raeford, N. C.
Hoke Plumbing & Heating Co., Shreveport, La.
Hoke Tractor Co., traction engines, South Bend, Ind.
Holabird Electrical Co., Hobart Bldg., San Francisco, Calif.
Holabird-Reynolds Electric Co., Los Angeles, Calif.
Holaday & Edworthy, cornices & skylights, Tacoma, Wash.
Holan Mfg. Co., James, The, 3809 Clark Ave., Cleveland, O.
Holan Metal Products Co., The, stampings, tanks, etc., W. 40th & Clark av., Cleveland, Ohio.
Holbert & Spedden Co., contrs., Fairmont, W. Va.
Holbrook Bros., 85 Beekman St., New York.
Holbrook, Cabot & Rollins Corp., 52 Vanderbilt Ave., New York.
Holbrook, Cabot & Rollins Corp., contrs., 6 Beacon, Boston, Mass.
Holbrook Co., auto metal bodies, 17 W. 60th, New York.
Holbrook Co., H. E., 49 Federal St., Boston, Mass.
Holbrook, J. Byers, 52 Vanderbilt Ave., New York.
Holbrook, J. F., Co., tanks, 302 N. San Pedro, Los Angeles, Calif.
Holbrook Lumber Co., Springfield, Mass.
Holbrook, M. G., steam htg. contrs., The Arcade, Cleveland, Ohio.
Holbrook Mfg. Co., Coles & 18th Sts., Jersey City, N. J.
Holbrook-Merrill & Stetson, 6th & Bluxome Sts., San Francisco, Calif.
Holbrook Rawhide Co., 748 N. Main St., Providence, R. I.
Holcker Bros., Buggy Co., carriages, Crestline, Ohio.
Holcomb & Hoke Mfg. Co., 1545 Van Buren, Indianapolis, Ind.
Holcomb Bros., masons' & bldrs.' matls., Sycamore, Ill.
Holcomb Co., auto bodies, wood, 105 Goffe, New Haven, Conn.
Holcomb, J. I., Mfg. Co., bottle brushes & brooms, 1543 Van Buren, Indianapolis, Ind.
Holcomb Safety Garment Co., 14 S. Jefferson, Chicago, Ill.
Holcomb, W. A., mill & facty. supps., machst. & fndrs., Poplar Bluff, Mo.
Holcroft & Company, 6544-74 Epworth Blvd., Detroit, Mich.
Holcroft, W. H., & Co., contrs., Chester, Pa.
Holden & Martin Lumber Co., sashes, doors & blinds, Brattleboro, Vt.
Holden & Quick, shoe patterns, 120 Centre, New York.
Holden & White, overhead matl. (elec. ry.), 80 E. Jackson blvd., Chicago, Ill.
Holden, A. C., Lumber Co., Port Allegany, Pa.
Holden, Inc., Jas., Fall River, Mass.
Holden Lumber Co., Gloversville, N. Y.
Holden Paper Co., Newburgh, N. Y.
Holden, M. J., Lumber Co., sash, door, & blind, Adams, Mass.
Holden, N. E., masons' & bldrs.' matls., Danville, Ill.
Holder Hardware Co., Bloomington, Ill.
Holderbaum, Jas. B., & Son, whol. hdwe., Somerset, Pa.
Holderfield Supply Co., masons' & bldrs.' matls., Muncie, Ind.
Holdridge, G. W., & Co., contrs. & stone producers, Catskill, N. Y.
Holdridge, Hiram A., Co., flour mills, Lima, Ohio.
Holekamp Lumber Co., Webster City, Mo.
Holfeltz, J. R., Co., masons' & bldrs.' matls., Iron Mountain, Mich.
Holes Bros. Co., St. Cloud, Minn.
Holgan Bros., machsts., 9 Baxter, New York.
Holgate Bros. Co., Kane, Pa.
Holibird-Reynolds Elec. Co., 218 E. 3rd St., Los Angeles, Cal.
Holladay, E. G., Const. Co., contrs., 9th av. N, Nashville, Tenn.
Holladay, Henry T., Jr., flour mills, Rapidan, Va.
Holland-American Tile Co., 1660 E. 38th av., Los Angeles, Calif.
Holland & Co., whol. hdwe., Mendota, Ill.
Holland Aniline Co., Holland, Mich.
Holland-Blow Stave Co., Decatur, Ala.
Holland Brass Works, 616 W. Monroe, Chicago, Ill.
Holland Bros., meat packers, Albany, N. Y.
Holland Canning Co., Holland, Mich.
Holland Constr. Co., San Diego, Calif.
Holland, E. J., Constr. Co., contrs., Atlantic City, N. J.
Holland Engine Co., Inc., Holland, Mich.
Holland, Frank, & Son, machsts, 683 Lorimer, Brooklyn, N. Y.

HOLLAND FURNACE CO., Holland, Mich.

Holland Horr Mill Co., see Loon Lake Lumber Co. (successor).
Holland Launch & Engine Co., machsts., Holland, Mich.
Holland Machine Co., 147 W. 35th St., New York.
Holland Mfg. Co., Central Ave. and Bank St., Baltimore, Md.
Holland Mfg. Co., silk thread, Willimantic, Conn.
Holland, Nelson C., (White Pine) Grand Central Terminal, New York.
Holland Piano Mfg. Co., 205 Metropolitan Life Bldg., Minneapolis, Minn.
Holland Rubber Co., 335 Broadway, New York.
Holland-St. Louis Sugar Co., Holland, Mich.
Holland, S. G., Stave Co., cooperage stock, 4th & 1st, Nashville, Tenn.
Holland, Stephen, & Sons, masons' & bldrs.' matls., Hornell, N. Y.
Holland Supply Corp., fertilizer mfrs., Holland, Va.
Holland Torpedo Boat Co., Groton, Conn.
Holland Trolley Supply Co., boxes, trolley bases, etc., 1623 E. 43d, Cleveland, Ohio.
Holland, William H., flour mills, Seale, Ala.
Hollander & Johnson, drop forging dies, rubber molds, 8 Eden, Worcester, Mass.
Hollander & Morrill, wood auto bodies, Amesbury, Mass.
Hollander Mach'y Co., Inc., 8 Howard St., New York.
Hollander Mfg. Co., Cleveland, O.
Holland, S., Mfg. Co., 342-352 East 18th St., Erie, Pa.
Hollatz Bros., parlor furn., 2315 Grand av., Chicago, Ill.
Hollenbach, Frank H., flour mills, Schnecksville, Pa.
Hollenback, Edwin E., Inc., contrs., 1804 Brandyrun, Philadelphia, Pa.
Hollenbeck-Bush Co., sashes, Van Ness & Lorena, Fresno, Calif.
Holler, Chas., masons' & bldrs.' matls., Hummelstown, Pa.
Hollerbach & May, Contract Co., contrs., Evansville, Ind.
Holley Carburetor Co., Vancouver Ave. & P. M. R. R., Detroit, Mich.
Holley Co., knife sharpeners, 201 Portland av., Rochester, N. Y.
Holley Constr. Co., Augusta, Ga.
Holley Mfg. Co., cutlery mfrs., Lakeville, Conn.
Holley Mason Co., Spokane, Wash.
Holley Milling Co., Ogden, Utah.
Holliday & Co., W. J., 1512 N. Meridian st., Indianapolis, Ind.
Holliday-Kemp Co., 90 William St., New York.
Holliday Lumber Co., Reform, Ala.
Holliday, Reade & Sons, Ltd., 150 Franklin, New York.
Holliday, W. H., Co., whol. hdwe. & masons' & bldrs.' matls., Laramie, Wyo.
Hollihan & Milostan, cornices, Duluth, Minn.
Hollinger Cutlery Co., Fremont, Ohio.
Hollinger, Jacob F., harness, Lowell, Ohio.
Hollinger, M. G., & Co., cornices, Marion, Ind.
Hollinger Planing Mill Co., sash, door & blind, Chambersburg, Pa.
Hollingshead Co., J. D., 167 E. Chicago Ave., Chicago.
Hollingshead Co., R. M., Camden, N. J.
Hollingshead-Kernan Co., sash, door & blind mfrs., Homestead, N. J.
Hollingshurst & Co., Inc., bone dlrs., etc., 29 Broadway, New York.
Hollingsworth & Peterson, chemicals, Lafayette Bldg., Philadelphia, Pa.
Hollingsworth & Vose Co., 333 Washington st., Boston, Mass. (Paper).
Hollingsworth & Whitney Co., 185 Devonshire St., Boston, Mass.
Hollingsworth, Jos., masons' & bldrs.' matls., Temple, Tex.
Hollingsworth Mach. Tool Co., Covington, Ky.
Hollingsworth, Wm., machst., 229 N. Holliday, Baltimore, Md.
Hollins & Arronsez Elec. & Eng. Co., Naud & Willhardt, Los Angeles, Calif.
Hollis & Co., Little Rock, Ark.
Hollis & Duncan, paper bags, 732 W. Lake, Chicago, Ill.
Hollis, A. M., & Co., masons' & bldrs.' matls., Canandaigua, N. Y.
Hollis, H., Co., archt'l & interior woodwork, Hartford City, Ind.
Hollis, H. L., metallurgical engrs., 80 E. Jackson blvd., Chicago, Ill.
Hollis, J. A., & Son, lbr. mfrs., Reynoldsville, Pa.
Hollis, N. F., machsts. & fndrs., Taylorsville, Ill.
Hollister, Amos, & Co., lumber & masons' & bldrs.' matls., Oshkosh, Wis.
Hollister Lumber Co. (Ltd.), Rochester, N. Y.
Hollister-Whitney Co., Quincy, Ill.
Holliston Mills, The, Norwood, Mass.
Hollivan & Parker, cornices, 56 Cross, Portland, Me.
Holloran, Thos., fndrs., 890 Metropolitan av., Brooklyn, N. Y.

HOLLOW BALL COMPANY, INC., 1000 Standard Oil Bldg., Baltimore, Md.

Hollow Bldg. Tile Ass'n, The, Conway Bldg., Chicago.
Hollow Cable Mfg. Co., box bands, wire clothes lines, beaters, etc., Hornell, N. Y.
Hollow Center Packing Co., 1968 E. 66th st., Cleveland, Ohio.
Hollow Rock Roller Mill, flour, Hollow Rock, Tenn.
Holloway Bentz & Co., 105 Chambers St., New York.
Holloway Expanded Metal Co., 515 2d, San Francisco, Calif.
Holloway, J. F., lbr., Commercial Trust Bldg., Philadelphia, Pa.
Hollowell & Bunch, flour, Selwin, N. C.
Hollowell & Wise Co., whol. hdwe., Pen Yan, N. Y.
Holly Condensed Milk Co., canned gds., Amity, Ore.
Holly Pneumatic Systems, Inc., 145 W. 45th St., New York.
Holly Ridge Lumber Co., 421 W. Avery St., Louisville, Ky.
Holly Springs Stoneware & Fire Brick Co., Holly Springs, Miss.
Hollywell Mills, paper, Chambersburg, Pa.
Hollywood Architectural Serv. Co., architects, 6372 Hollywood, Los Angeles, Calif.
Hollywood Cornice & Heating Co., 1114 N. Sycamore av., Los Angeles, Calif.
Hollywood Forge Co., 1225 N. Highland av., Los Angeles, Calif.
Hollywood Mfg. Co., woolen blankets, Hollywood, W. Va.
Holm, G. A., & Bros., pads & tablets, Mansfield, Ohio.
Holman, F. C., machinist, Tuolumne, Calif.
Holman, H. J., & Son, overalls, Sheboygan, Wis.
Holman, R., & Co., desk mfrs., Chelsea, Mass.
Holman, Jason R., machsts. & fndrs., Hinsdale, N. H.
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Holmberg, Chas., & Co., vacuum & steam revolving pans, etc., 1439 Austin av., Chicago, Ill.
Holmen Canning Co., Holmen, Wis.
Holmes & Bros., Robert, Danville, Ill.
Holmes & Blanchard Co., machsts. & fndrs., 928 Broadway, Boston, Mass.
Holmes & Co., contractors, Nantucket, Mass.
Holmes & Dawson, fertilizer mfrs., Norfolk, Va.
Holmes & Edwards Silver Co., 374 Center av., Bridgeport, Conn.
Holmes & Gilfillan, lbr., Smethport, Pa.
Holmes & Johnson, sashes, doors & blinds, Berea, Ohio.
Holmes & Sons, Inc., Henry, Trenton & Auburn St., Philadelphia, Pa.
Holmes, A. E., & Bro. Co., cornices, Superior, Wis.

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Holmes Bros., 440 N. Sacramento Blvd., Chicago., (Mould Makers).
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Holmes, Chas. A., contrs.' equipment, 1133 Bryn Mawr av., Chicago, Ill.
Holmes Co., canned goods, Robbinston, Me.
Holmes, D. H., Co., mattresses, New Orleans, La.
Holmes, D. W., Co., mattresses, 319 Canal, New Orleans, La.
Holmes Disappearing Bed Co., Pacific Elec. Bldg., Los Angeles, Calif.
Holmes, E. A., Packing Co., Eastport, Me.
Holmes, E. J., & Son, brass bushings, aluminum castings, fruit slicers, iron forgings, etc., W. State, Ithaca, N. Y.
Holmes, E. M., machinist, Lynn, Mass.
Holmes Electric Protective Co., burglar alarms, 370 7th, New York.
Holmes Eureka Lbr. Co., Eureka, Calif.
Holmes Fire Graphite Mfg. Co., 5155 Wakefield, Philadelphia, Pa.
Holmes, G. H., knitted gloves, Gloversville, N. Y.
Holmes, Geo. H., & Co., lumber, Alpena, Mich.
Holmes, H., leather, 52 E. Allen, Philadelphia, Pa.
Holmes, H. E., & Co., carriages, 744 Folsom, San Francisco, Calif.
Holmes Hardware Co., Pueblo, Colo.
Holmes, Howard C., consulting & civil engr., 112 Market, San Francisco, Calif.
Holmes Iron Co., Rutland, Vt.
Holmes, Isaac, elastic surgical hosiery, 3519 Zumstein, Cincinnati, Ohio.
Holmes, J. A., Lbr. Co., 10th, Spruce, St. Louis, Mo.
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Holmes, M. C., Canning Co., Eastport, Me.
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Holmes Machinery Co., E. & B., 52 Chicago St., Buffalo, N. Y.
Holmes Mfg. Co., The, Shelton, Conn.
Holmes Metallic Packing Co., Wilkes-Barre, Pa.
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Holt, Jno., & Co., glue mfrs., Lowell, Mass.
Holt-Lyon Co., Saugerties, N. Y.
Holt Mfg. Co., turkish towels, Paterson, N. J.
Holt Mfg. Co., The, Peoria, Ill.
Holt Mfg. Co. of Calif., Stockton, Calif.
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Holt, Samuel T. H., common brick, Philippi, W. Va.
Holt-Williamson Mfg. Co., tickings, Fayetteville, N. C.
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Holter Hardware Co., Spokane, Wash.
Holter Hdwe. Co., Helena, Mont.
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Holub-Dusha Co., machsts., 1799 1st av., New York.
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Holyoke Halter Mfg. Co., Holyoke, Mass.
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Homan, J. & E., machsts., 435 W. Broadway, New York.
Homan Mfg. Co., silverware, etc., Findlay, Western & Hulbert av., Cincinnati, Ohio.
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Hoopes, Rufus C., masons' & bldrs.' matls., Fernwood, Pa.
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Hoopeston Planing Mill Co., sashes, doors, etc., Hoopeston, Ill.
Hoornbeek, John V., Wawarsing, N. Y.
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Hope Fan & Blower Co., driers, 1509 Central, Kansas City, Mo.
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Hope, Henry, & Sons, window casements, 103 Park av., New York.
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Hopkins, L., Mfg. Co., gates, swings, racks, etc., North Girard, Pa.
Hopkins Mfg. Co., Hanover, Pa.
Hopkins, Patrick F., (Est. of), carriages, Waco, Tex.
Hopkins, R. C., shoe counters, Lynn, Mass.
Hopkins, S. H., masons' & bldrs.' matls., Newton, N. J.
Hopkins, W. F., ice tongs, Groton, N. Y.
Hopkinson Leather Co., Woburn, Mass.
Hopkinsville Milling Co., flour, Hopkinsville, Ky.
Hopler Bros., machsts. & fndrs., Naughright, N. J.
Hopley, A. E., crushers, 235 Montgomery, San Francisco, Calif.
Hopmann Cornice Co., 2573 Benton St., St. Louis, Mo.
Hopp, J. W., Constr. Co., Cedar Rapids, Iowa.
Hoppe, Paul F., Co., clocks, gauges, 216 Fulton, New York.

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Hoppenberg Machine Co., Findlay, Ohio.
Hoppendietzel, H. B., Co., contrs., Ga. Casualty Bldg., Macon, Ga.
Hopper, C. T., Furniture Co., mattresses, Sioux City, Iowa.
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Hopper Paper Co., pads, Johnsonburg, Pa.
Hopper, Thos. T., Co., contrs., 101 Park av., New York.
Hopper, Wm. E., hand fids., Paterson, N. J.
Hoppes Mfg. Co., The, 19 Larch St., Springfield, O.
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Hopping's Foundry, 367 S. Broadway, Pasadena, Calif.
Hopson & Chapin Mfg. Co., New London, Conn.
Hopson Co., W. C., 216 Ellsworth St., Grand Rapids, Mich.
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Hoquiam Packing Co., Hoquaim, Wash.
Hoquiam Sash & Door Co., Hoquiam, Wash.
Hoquiam Steam Boiler Wks., tubular, Hoquiam, Wash.
Horace Remote Control Co., 12 Stewart, San Francisco, Calif.
Horan, Jas. J., & Co., mill & facty. supps, Troy, N.Y.
Horan Stay Hanger Co., tin circles, etc., 1932H W. Jefferson, Louisville, Ia.
Horan, W. J., furniture, Dept. H, Stockton, Calif.
Horat, Joseph, La Fayette, Ind.
Hord Brooks Co., contrs., Henry Bldg., Portland, Ore.
Hord Color Products Co., alpha, naphthol, Sandusky, O.
Hord, T. B., Alfalfa Meal Co., Central City, Neb.
Horders Stationery Stores, 236 W. Lake St., Chicago.
Horenburger, Herrman, & Son, architects, 859 Jackson av., New York.
Horicon Wind Mill Co., Horicon, Wis.
Horigan Supply Co., St. Joseph, Mo.
Horine, John T., & Sons, masons' & bldrs.' matls., Delphos, Ohio.
Horizontal Freezer Co., 18 W. Kinzie, Chicago, Ill.
Horlick's Malted Milk Co., cereal foods, Racine, Wis.
Hormel & Co., G. A., Austin, Minn.
Horn & Brannen Mfg. Co., 427 N. Broad St., Philadelphia, Pa.
Horn & Bro., Wm. H., 451-455 N. 3rd St., Philadelphia, Pa.
Horn, Blum Mfg. Co., overalls, Eau Claire, Wis.
Horn, Bro. & Co., W. C., 541-17 Pearl St., New York.
Horn Bros. Mfg. Co., bedroom furniture, 1144 W. Superior, Chicago, Ill.
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Horn Trunk Co., T. L., 5398 Pershing st., St. Louis, Mo.
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NEB.—Lincoln—Korsmeyer Company.
Omaha—Mid-West Electric Co., 1207 Harney St., Douglas 0456.
Western Electric Co., 802 Farnam St., Atlantic 5740.
N. J.—Newark—Parr Electric Co.
Western Electric Co., 64 Park Place, Market 9900.
N. Y.—Brooklyn—Western Electric Co., 505 St. Marks Place, Prospect 1000.
Buffalo—Robertson-Cararact Elec. Co., Mohawk & Niagara Sts., Seneca 5100.
Western Electric Co., 709 Main St., Tupper 6200.
New York—Alpha Electric Co., 131-5 W. 30th St., Watkins 0500.
Parr Electric Co., 77 Warren St., Barclay 2866.
Stanley & Patterson, West & Hubert Sts., Canal 5200.
Western Electric Co., 401 Hudson St., Cortland 7700.
Rochester—Robinson-Cataract Elec. Co., 118 N. Clinton St., Glenwood 327.
Rochester Electrical Sup. Co., 240 St. Paul St., Main 6775.
Syracuse—Robertson-Cataract Elec. Co., 348-60 W. Fayette St., Warren 8900.
Western Electric Co., 410 S. Clinton St., Warren 4176.
Utica—Electrical Sup. Co.
N. C.—Asheville—Piedmont Electric Co., Electrical Bldg.
Charlotte—Elec. Sup. & Equip. Co., 16 S. Laurderdale.
Western Electric Co., 238 W. First St.
Greensboro—Piedmont Electric Co.
OHIO—Cincinnati—F. B. Lawrence Co., 41 Market St., Main 4435.
Western Electric Co., 1310 Elm St., Main 600.
Cleveland—Erner Electric Co., St. Clair Ave. & E. 2nd St., Main 7520.
Western Electric Co., 1010 Oregon Ave., Cherry 603.
Columbus—Avery & Loeb Electric Co., 114 N. Third St., Main 1385.
Erner Electric Co.
Western Electric Co.
Toledo—F. Bissell Co., 226 Huron St., Adams 846.
W. G. Nagel Elec. Co., 28 St. Clair St., Adams 1822.
Youngstown—Western Electric Co., 930 W. Ryan Ave., Main 7460.
ORE.—Portland—Pacific States Electric Co., 51 Fifth St., Broadway 5728.
Western Electric Co., Union Ave. & E. Ash St., East 8250.
OKLA.—Oklahoma City—Southwest General Elec. Co., 1-3 West Grand St., Walnut 1176.
Western Electric Co., 1 E. 6th St., Walnut 6850.
PA.—Philadelphia—Philadelphia Electric Co., 10th & Chestnut, Walnut 4700.
Rumsey Electric Co., 1007 Arch St., Walnut 6260.
Western Electric Co., 11th & York Sts., Diamond 6800.
Pittsburgh—Doubleday-Hill Electric Co., 719 Liberty Ave., Grant 1575.
Iron City Electric Co., 436 Seventh Ave., Schenly 4890.
Union Electric Co., 933 Liberty Ave., Grant 5810.
Western Electric Co., 910 River Ave., N. S., Cedar 2300.
Scranton—Western Electric Co.
R. I.—Providence—Western Electric Co., 233 Harris St., Union 8222.
S. C.—Columbia—Mann Electrical Sup. Co.
Perry-Mann Electric Co., 1611 Main St.
TENN.—Chattanooga-James Supply Co., 1104 Market St., Main 4800.
Memphis—Wesco Supply Co.
Western Electric Co., 163 Jefferson Ave., Main 754.
Nashville—Western Electric Co., First & Madison Sts., Main 1994.
TEX.—Dallas—Electric Appliance Co.
Southwest General Elec. Co., Interurban Bldg., X 2201.
Western Electric Co., Pacific Ave. & Ervay St., X 6454.
El Paso—Mine & Smelter Supply Co., 412 San Francisco St.
Southwest General Sup. Co., 500 San Francisco St.
Western Electric Co., 402 Mills Bldg.
Houston—Southwest General Elec. Co., Third & Washington Sts.
Tel. Electric Co., 602 Preston Ave., Preston 676.
Western Elec. Co., Commerce Ave. & Jackson St., Preston 215.
UTAH—Salt Lake City—Capitol Electric Co., 21 W. First South St.
Mine & Smelter Sup. Co.
Western Electric Co., 41 Broadway, Wasatch 630.
VA.—Norfolk—Western Electric Co., South Gate Terminal
Richmond—Southern Electric Co., 1104 E. Carey St., Madison 1203.
Western Electric Co., 6th & Carey St., Randolph 1846.
WASH.—Seattle—Pacific States Electric Co., 570 First St., Elliott 0770.
Western Electric Co., 84 Marion St., Main 6650.
Spokane—Western Electric Co., 165 S. Howard St., Main 606.
Pacific States Electric Co.
Tacoma—Western Electric Co., 762 Commerce St., Main 3100.
W. VA.—Charleston—Charleston Electrical Sup. Co.
WIS.—Milwaukee—Julius Andrae & Sons Co., 368 Broadway, Broadway 4900.
Western Electric Co.
Foreign:
CAN.—Hamilton, Ont.—Slater Co., Ltd., N.

Hubbard & Co., Charles, (Forgings & Castings) 81 Fulton St., New York.
Hubbard & McClary, Windsor, Vt.
Hubbard & Sons Co., W. B., 176 Oliver St., Boston, Mass.
Hubbard Cabinet Co., 2121 Edison av., Tacoma, Wash.
Hubbard Co., S. B., Jacksonville, Fla.
Hubbard, Eldredge & Miller, Lyell and Dewey Aves., Rochester, N. Y.
Hubbard, F. F., canned goods, Canastota, N. Y.
Hubbard Fertilizer Co. of Baltimore City, Keyser Bldg., Baltimore, Md.
Hubbard, Geo. W., Hardware Co., Flint, Mich.
Hubbard-Floyd Co., Inc., The, 1112 Grand Central Palace, New York.
Hubbard Hdwe. Co., Flint, Mich.
Hubbard, James, Co., canned goods, Ottoman, Va.
Hubbard, M. P., & Co., fertilizer mfrs., Calvert Bldg., Baltimore, Md.
Hubbard Machine Co., pumps, 615 Howard, San Francisco, Calif.
Hubbard Motor Co., Middletown, Conn.
Hubbard, O. W., canned goods, East New Market, Md.
Hubbard Portable Oven Co., 1130 Belden Ave., Chicago.
Hubbard Pressed Steel Co., Niles, O.
Hubbard Sash, Door & Lbr. Co., Winter pl., Manchester, N. H.
Hubbard Spring Co., M. D., Pontiac, Mich.
Hubbard Steel Foundry Co., East Chicago, Ind.
Hubbard, W. J., canned goods, Teagues, Mo.
Hubbard's Sons, Norman, 1603 Dean St., Brooklyn, N. Y.
Hubbell & Benninger, hat blocks, 324 Lafayette, New York.
Hubbell & Co., Ray, Northville, N. Y. (Gloves)
Hubbell & Meaden, 322 Hickox Bldg., Cleveland, O.
Hubbell & Merwin Co., contrs., 19 Artizan, New Haven, Conn.
Hubbell & Staples Hardware Co., Norwalk, Conn.
Hubbell, C. T., & Co., lbr. mfrs., Albany, N. Y.
Hubbell, H. (Inc.), Bridgeport, Conn.
Hubbell, Hall & Randall Co., masons' & bldrs.' matls., Norwalk, Conn.
Hubbell, J. L., horse blankets, Ganado, Ariz.
Hubbell, S. W., Bldg. Co., 589 Knowlton, Bridgeport, Conn.
Hubbell, W. W., & Co., dock bldrs., 556 Waterview, Bridgeport, Conn.
Hubbert, B. & H., steam-jacketed kettles, 3601 E. Pratt, Baltimore, Md.
Hubbe & Co., Charles F., 383-389 Lafayette St., New York.
Hubbs, C. A., 50 Church St., New York.
Huber & Richardson, cornices, 3744 St. Louis av., St. Louis, Mo.
Huber Builders' Material Co., 713 Main, Cincinnati, O.
Huber Co., John, 511 W. 29th St., New York.
Huber, H. F., & Co., furniture, 13H E. 40th, New York.
Huber, J. M., 65 W. Houston St., New York.
Huber, Jacob, & Co., contrs., 4304 Sullivan, Cincinnati, Ohio.
Huber Lumber Yard, Moultrie, Ga.
Huber Machine Co., 261 4th St., Brooklyn, N. Y.
Huber Mfg. Co., Marion, O.
Huber Mfg. Co., key blanks, night latches, etc., 417 E. 93d, New York.
Huber, Victor, Marble & Granite Co., Scott & St. Louis, New Orleans, La.
Hubert, Jno., coppersmith, 1714 Thames, Baltimore, Md.
Hubinger, J. C., Bros. Co., corn oils, starch mfrs., 840 Chapel av., New Haven, Conn.
Hubley Mfg. Co., toy mfrs., Lancaster, Pa.
Huch Leather Co., 1922 Mendell, Chicago, Ill.
Huck Mfg. Co., store & bar fix., Quincy, Ill.
Hucke, Geo., & Sons Bldg., contrs., Scarritt Bldg., Kansas City, Mo.
Huckabee Tractors Co., The, Jonesboro, Ark.
Huckins Co., P. S., 40 Central St., Boston, Mass.
Huckins, P. S., Co., lumber, 40 Central, Boston, Mass.
Huddart & Baker, lbr., Monadnock Bldg., San Francisco, Calif.
Huddleston Canning Co., Thaxton, Va.
Huddleston, J. S. F., 132 Hanover, Boston, Mass.
Huddleston-Marsh Mahogany Co., see Astoria Mahogany Co., Inc. (successor).
Hudson & Chester Granite Co., Chester, Mass.
Hudson & Co., canned goods, Holley, N. Y.
Hudson & Dugger Co., cooperage stock, Bk. Com. bl., Memphis, Tenn.
Hudson Bag Mfg. Co., Bayonne, N. J.
Hudson Beauty Furn. Co., manicuring tables, etc., 1125 Sentous, Los Angeles, Calif.
Hudson Belt Fastener Co., 553 Canal st., New York.
Hudson Belting Co., 1-3 Eaton Pl., Worcester, Mass.
Hudson Boiler Mfg. Co., 359 W. 42nd St., New York.
Hudson Brass Works, 16 Nassau St., Brooklyn, N. Y.
Hudson Broach Co., Hudson, Mass.
Hudson, C. F., & Son, canned goods, Rocky Mount, Va.
Hudson, C. H., contrs., Marsh-Strong Bldg., Los Angeles, Calif.
Hudson Cement & Supply Co., Westwood & Whitmore Aves., Baltimore, Md.
Hudson Co., H. L., 56 Pearl St., Brooklyn, N. Y.
Hudson Coal Co., anthracite, Scranton, Pa.
Hudson, Collins & Hammerich, contractors, Rock Island, Ill.
Hudson Companies, contractors, 111 Broadway, New York.
Hudson Const. Co., 6 Beacon, Boston, Mass.
Hudson Concrete Constr. Co., 452 Montgomery, Jersey City, N. J.
Hudson Counter Co., Hudson, Mass.
Hudson, E. A., Furn. Co., Dept. H, Houston, Texas.
Hudson, E. E., architect, Amer. Bank Bldg., Seattle, Wash.
Hudson Fibre Co., cotton felts, Hudson, N. Y.
Hudson Hardwood Flooring Co., Bk. Com. bl., Memphis, Tenn.
Hudson, Houston Lbr. Co., Ardmore, Okla.
Hudson Iron & Metal Co., scrap iron & steel, ft. E. 33d, Bayonne, N. J.
Hudson Iron & Wire Works Inc., 15 E. 12th St., New York.
Hudson, J. L., & Co., mill & facty. supplies, Springfield, Ill.
Hudson Lumber Co., pencil timber, San Leandro, Calif.
Hudson Mfg. Co., 324 3rd Ave., Minneapolis, Minn.
Hudson, M. D., Jr., & Co., brick, Gainesville, Ga.

Hudson, M. M., masons' & bldrs.' matls., Holly, Mich.
Hudson Metal Bed Co., 469 7th av., New York.
Hudson-Morgan Electric Co., Lynchburg, Va.
Hudson Motor Car Co., 4462 Woodward av., Detroit, Mich.
Hudson Motor Spec. Co., radius rods, 21st & Market, Philadelphia, Pa.
Hudson Oil & Supply Co., 49 Hudson, Jersey City, N. J.
Hudson Oil Co., inc., 109 Broad St., New York.
Hudson Packing Co., sheet, 67H E. 21st, Bayonne, N. J.
Hudson Parer Co., 153 Lancaster St., Leominster, Mass.
Hudson-Pillar Hdwe. Co., whol., Ironton, Ohio.
Hudson River Foundry Co., Poughkeepsie, N. Y.
Hudson River Lumber Co., De Ridder, La.
Hudson-Sharp Machine Co., Green Bay, Wis.
Hudson Sheet & Tin Plate Co., Marietta, O.
Hudson Sole Co., leather, Hudson, Mass.
Hudson Supply Co. (Mill Supplies & Rubber Goods), Wilmington, Del.
Hudson Trading Co., 300 Madison Ave., New York.
Hudson, Welby H., 6372 Hollywood, Los Angeles, Calif.
Hudson Wire Co., Ossining, N. Y.
Huebel Mfg. Co., oilers, 103 Monroe, Newark, N. J.
Hueber Bros., contrs., Syracuse, N. Y.
Huebner-Bleistein Patents Co., 128 Lakeview Ave., Buffalo, N. Y.
Huebner, E., & Sons, pearl buttons, 123 Van Buren, Newark, N. J.
Huebner Mfg. Co., 1728 Mt. Elliott Rd., Detroit, Mich.
Huebner Screen Door Co., 565 Farnsworth Ave., Detroit, Mich.
Huegly Milling Co., flour, Nashville, Ill.
Huehl, Schmid & Holmes, 75 W. Washington st., Chicago, Ill.
Huelsman & Moore, lights, 125 E. Canal, Cincinnati, O.
Huenefeld Co., Spring Grove & Straight, Cincinnati, O.
Huenergardt Mfg. Co., clothes washing machs., Lincoln, Neb.
Huether, Jacob, 4511 W. Grand Ave., Chicago.
Huesmann & Co., bristles, 47 Cliff, New York.
Huethwohl, Louis, fndr., 513 Flushing av., Brooklyn, N. Y.
Huetter Constr. Co., N. 1101 Division, Spokane, Wash.
Huetter Mach. & Tool Co., 545 Kentucky av., Indianapolis, Ind.
Huey Co., The, 17 S. Wabash Ave., Chicago.
Huey & Co., blue prints, 17 S. Wabash av., Chicago, Ill.
Huey & Philip Hardware Co., Dallas, Tex.
Huff & Cook, flour mills, Roanoke, Va.
Huff & Findley, ties, poles & posts, Buckhorn, Ky.
Huff, Daland & Co., Inc., aeroplanes & motor-boats, Dept. H, Ogdensburg, N. Y.
Huff Electrostatic Separator Co., 60 India, Boston, Mass.
Huff, James A., cornices & skylights, Northville, Mich.
Huff, John P., umbrella mfrs., Troy, N. Y.
Huff, S. E., & Co., masons' & bldrs.' matls., Urbana, Ill.
Huff, Walter S., & Co., architects, Fort Scott, Kan.
Huffington, F. A., & Son, contrs., Normal, Ill.
Huffman Bros., Youngstown, O.
Huffman Bros. Motor Co., auto bldrs., Elkhart, Ind.
Huffman, W. D., Co., canned goods, W. St. Claire & Big Four, Indianapolis, Ind.
Huffmans, W. H. C., Sons, contractors & masons' & bldrs.' matls., Williamsport, Pa.
Hufford & Harding, canned goods, South Lebanon, O.
Huffschmidt-Dugan Iron Wks., Bend, Ore.
Hufschmidt, L. A., Mfg. Co., elec. & gas light fixtures, 773 Mission, San Francisco, Calif.
Hug, A. C., machinist, Chambersburg, Pa.
Hug, R., & Son, sashes, doors & blinds, Navarra, Ohio.
Hugel, Fred, & Son, brooms, Lawrence, Mass.
Huges-Bozarth-Anderson Co., harness, saddles, etc., 19 E. Grand, Oklahoma City, Okla.
Hugger Bros. Constr. Co., 910 Bell Bldg., Montgomery, Ala.
Huggins & Son, Jas., 239 Madison St., Malden, Mass.
Hughart, W. O., Jr., Michigan Trust Bldg., Grand Rapids, Mich.
Hughes & Bro. Inc., B. G., (Paper Boxes) 133 Mulberry St., New York.
Hughes & Aaron, Natchitoches, La.
Hughes & Chipman, billiard tables, 1405 Main, Kansas City, Mo.
Hughes & Co., 119 S. Howard st., Spokane, Wash.
Hughes & Co., 844 Rush St., Chicago.
Hughes & Co., Jno. E., 40 N. High, Columbus, O.
Hughes & Curren Co., Inc., auto tops, Rochester, N. Y.
Hughes & Johnson, granite, Quincy, Mass.
Hughes & Patterson, 800 Richmond St., Philadelphia, Pa.
Hughes & Son Co., W. J., 14th & Maple St., Louisville, Ky.
Hughes & Smythe, Galena, O.
Hughes & Russum, textile machy., supplies, etc., Oxford & Hedge, Philadelphia, Pa.
Hughes & Son Piano Mfg. Co., Foxcroft, Me.
Hughes, B. & T., masons' & bldrs.' matls., Hudsonville, Mich.
Hughes Brothers, 410 N. 9th av., Scranton, Pa.
Hughes Bros., contractors, 1 Madison av., New York.
Hughes Bros. Co., masons' & bldrs.' matls., Bloomington, Ind.
Hughes Buggy Co., carriages, Lynchburg, Va.
Hughes Co., masons' & bldrs.' matls., Charleston, S. C.
Hughes, E. F., cornices, furnaces, Titusville, Pa.
Hughes, Edw. S., Co., whol. hdwe., Abilene, Tex.
Hughes Electric Heating Co., cooking apparatus, 5660 W. Taylor, Chicago, Ill.
Hughes Eyelet Co., Taunton, Mass.
Hughes, F. J., Co., Inc., architects, U. B. Bldg., Dayton, Ohio.
Hughes-Foulkrod Co., contractors & engineers, 421 7th av., Pittsburgh, Pa.
Hughes Furn. Mfg. Co., Dept. H, Haubert & Blason, Baltimore, Md.
Hughes, G. V., lumber, Mount Orab, Ohio.
Hughes, Geo. J. Wm., masons' matls., 2124 Eye, N. W., Washington, D. C.
Hughes Granite Co., Clyde, Ohio.
Hughes, Hugh, sash, door & blind mfrs., Turin, N. Y.
Hughes, J. D., Lumber Co., Highbridge, Ky.
Hughes, J. W., Co., massage vibrators, 110 E. 23d, New York.
Hughes, James T., cornices & skylights, 113 Borden, Fall River, Mass.
Hughes, Job, contr., Lewiston, Ill.
Hughes, Jno., machst. & fndr., Mount Morris, Mich.
Hughes, John F., Constr. Co., 211 Post, Utica, N. Y.
Hughes, Jno., Hardware Co., Fond du Lac, Wis.
Hughes, John, & Son, contractors, Muskegon, Mich.
Hughes-Keenan Co., Mansfield, O.
Hughes-Limbach Co., steel merchants, Hippodrome Bldg., Cleveland, Ohio.
Hughes Loose Leaf Metals Co., 544 W. Lake St., Chicago.
Hughes Lumber Co., The, Tuscaloosa, Ala.
Hughes Mfg. Co., dress hooks & eyes, etc., Rome, N. Y.
Hughes Rattan Co., furniture, 155 Valencia, San Francisco, Calif.
Hughes Steel Equipment Co., Allegan, Mich.
Hughes Supply Co., mill, facty. & plumbers' supplies, Mansfield, Ohio.
Hughes Tool Co., Hughes St., Houston, Tex.
Hughes, Wm., Co., machinists, Bough, Providence, R. I.
Hughson & Company, Albany, N. Y.
Hughson Steam Spec. Co., see Ill. Engineering Co. (successors).
Hugo Mfg. Co., Duluth, Minn.
Hugo Milling Co., flour, Hugo, Okla.
Hugro Manufacturing Co., The (Vacuum Cleaners), Warsaw, Ind.
Huhn Mfg. Co., Woolworth Bldg., New York.
Hule-Hodge Lumber Co., Hodge, La.
Huke Rattan & Willow Mfg. Co., Wm., 4311 Grand av., St. Louis, Mo.
Hukill-Hunter Co., Terminal Bldg. S. S., Pittsburgh, Pa.
Hulbert Bros., trunks, Salt Lake City, Utah.
Hulbert, Wm., Mill Co., lbr., Everett, Wash.
Hulburt Oil & Grease Co., Trenton & Erie Aves., Philadelphia, Pa.
Hulfish, Worth, & Sons, hdwe., Alexandria, Va.
Huling, Lundy, & Sons, sashes, doors & blinds, Myrtle Point, Ore.
Huling, Tom B., mach. & fndr., Lampasas, Tex.
Hull & Dillon Packing Co., meat, Pittsburgh, Pa.
Hull, A. E., Pottery Co., Crooksville, Ohio.
Hull Bros. Umbrella Co., Toledo, Ohio.
Hull, C. W., Co., masons' & bldrs.' matls., Omaha, Neb.
Hull, F. A., & Son, whol. hdwe. & mill, facty., plumbers' & steamfitters' supplies, Danbury, Conn.
Hull, Grippen & Co., mill & factory supplies, 310 3d av., New York.
Hull Iron & Steel Foundries, Ltd., Hull, P. Q., Can.
Hull, Jno. L., common brick, Cambridge, Ill.
Hull-Longnecker Co., lumber, Traverse City, Mich.
Hull Leather Belting Co., 24 Noble Court, Cleveland, O.
Hulley Fdry. & Mach. Wks., 802 S. Adams, Marion, Ind.
Hullsick, K. L., & Co., architects, Flatiron Bldg., Norfolk, Va.
Hulman, Israel J., mattresses, Binghamton, N. Y.
Hulse Bros. & Daniel Co., umbrella mfrs., 1181 Broadway, New York.
Hulse, W. E., & Co., architects, Hutchinson, Kan.
Hulson Grate Co., Keokuk, Ia.
Hulsebus, Bernhard L., architect, Jefferson Bldg., Peoria, Ill.
Hult Lbr. Co., Mulino, Ore.
Hultquist Bros., machsts & fndrs., Holdrege, Neb.
Hum & Leatherman, Ferguson Bldg., Pittsburgh, Pa.
Human Co., A., platen press feeder, 56 Summer av., Newark, N. J.
Humane Restraint Co., furniture, Madison, Wis.
Humason Mfg. Co., The, Box A., Forestville, Conn.
Humber, R. L., Mach. Wks., Greenville, N. C.
Humbert & Andrews, canned goods, 646 Dean, Brooklyn, N. Y.
Humbert, C. S., canned goods, Troutville, Va.
Humbert, Wm. S., masons' bldrs.' matls., Niagara Falls, N. Y.
Humbird Lbr. Co., (Ltd.), Sand Point, Idaho.
Humbird Supply Co., mill & facty. supplies, Cumberland, Md.
Humble, W. H., stoves, Holly Grove, La.
Humboldt Brick Mfg. Co., Humboldt, Kans.
Humboldt Cooperage Co., Arcata, Calif.
Humboldt Cotton Mills, cordage mfrs., Humboldt, Tenn.
Humboldt, Gravel & Tile Co., Humboldt, Iowa.
Humboldt Mach. & Stamping Co., Vernon av. & 10th, L. I. City, N. Y.
Humboldt Mfg. Co., 2014 Nebraska St., Chicago. (Lab. Sup.)
Humboldt Milling Co., sashes, doors & blinds, Fortuna, Calif.
Hume Co., G. W., 112 Market St., San Francisco, Cal
Hume Mfg. Co., gray iron castings, machsts., sash, doors, etc., Amarillo, Tex.
Hume Mfg. Co., laundry marking machines, Kansas City, Kan.
Hume Mfg. Co., traction engines, Hume, Ill.
Hume Mill Co., flour, Bowling Green, Mo.
Humes Construction Co., 76 Dorrance, Providence, R. I.
Humes Mfg. Co., mill & facty. supplies, East Providence, R. I.
Hummel & Downing Co., N. Cambridge Ave., Milwaukee, Wis.
Hummel & Robinson, (Chemicals) 90 West St., New York.
Hummel Adding Machine Co., 502 N. Noble St., Indianapolis, Ind.
Hummel, Geo. J., Saddletree Co., Madison, Ind.
Hummel, J. F., & Sons, stone producers, Huntsville, Ala.
Hummel Mfg. Co., auto bodies & tanks, 3014 La Salle, St. Louis, Mo.
Hummel Mfg. Co., 310 S. La Salle St., Chicago.
Hummel, W. F., Knitting Wks., sweaters, etc., 936 3d, Milwaukee, Wis.
Hummelstown Brown-Stone Co., Waltonville, Pa.
Hummer Engine Works, Jackson, Mich.
Hump Hair Pin Mfg. Co., 1918 Prairie av., Chicago, Ill.
Humphreville, W. E., contractor & masons' & bldrs.' matls., Houston, Tex.
Humphrey & Sons, Joliet, Ill.
Humphrey & Young, paper & pulp mills, Napanoch, N. Y.
Humphrey Brick & Tile Co., Brookville, Pa.
Humphrey Bros., lumber, Gaylord, Mich.
Humphrey Company Div., Kalamazoo, Mich.
Humphrey Die & Tool Corp., Salem, N. Y.
Humphrey Elevator Co., Faribault, Minn.
Humphrey Gas Pump Co., 401 S. A. & K. Bldg., Syracuse, N. Y.
Humphrey, H. W., washers, Unionville, Conn.
Humphrey Machine Co., Keene, N. H
Humphrey Mfg. Co., machsts. & fndrs., Elkins, W. Va., & Towanda, Pa.
Humphrey Pipe & Foundry Co., Bellefontaine, Ohio.
Humphrey, R. H., & Co., lbr., New Albany, Ind.
Humphrey's Paint Co., shingle stains, 24H South av., Rochester, N. Y.
Humphreys & Sargent, 2223 S. East St., Indianapolis, Ind.
Humphreys, Geo., dock bldr., 575 Clinton, Brooklyn, N. Y.
Humphreys, H., & Co., lbr., Camden, N. J.
Humphries, C. J., sash, door & blind, Ogden, Utah.
Humphryes Mfg. Co., The, Mansfield, O.

HUMPHRYS' SONS, R. A., 1026 Callowhill St., Philadelphia, Pa.

Hundley, E. M., bldrs.' hdwe., 183 Stevenson, San Francisco, Calif.
Hundred Milling Co., flour, Hundred, W. Va.
Huner, John T., match mfr., Evergreen, N. Y.
Hungarian Flour Mills Co., 1447 7th, Denver, Colo.
Hunger, H. J., Brass Works, 1761 E. 27th st., Cleveland, Ohio.
Hungerford & Terry (Inc.), Clayton, N. J.

HUNGERFORD BRASS & COPPER CO., U. T., 44 Franklin St., New York.
Pres.—U. T. Hungerford.
Sec.—Bernard Ris.
V. P. & Treas.—J. R. Van Brunt.
Boston, Mass.—411-429 D St.
Baltimore, Md.—Lombard & South Sts.
Cleveland, O.—3035 St. Clair Ave.
Philadelphia, Pa.—516 Arch St.
San Francisco, Cal.—Postal Tel. Bldg.

Hungerford, J. A., cornices, Auburn, N. Y.
Hungerford, P. B., sash, door & blind, Lincoln, Ill.
Hunkin-Conkey Construction Co., 505 Superior St., Cleveland, O.
Hunkins-Willis Lime & Cement Co., Century Bldg., St. Louis, Mo.
Hunnell & Co., Inc., chemicals, 136 Liberty, New York.
Hunnewell Soap Co., 312 Genesee, Cincinnati, Ohio.
Hunnicutt, Chas., Co., seed corn graders, Wilmington, O.
Hunsader, John, Mach. Co., Sturgeon Bay, Wis.
Hunsicker Engineering Co., forging & special machy., Lebanon, Pa.
Hunt & Co., A. B., Williamsport, Pa.
Hunt & Dorman Mfg. Co., The, 1600 E. 24th St., Cleveland, O.
Hunt & Mottet Co., Tacoma, Wash.
Hunt & Son., C. B., Salem, O.
Hunt & Washburn, buckwheat flour, Delanson, N. Y.
Hunt, A. C., & Co., meat packers, 16 Sanford st., Springfield, Mass.
Hunt, A. M., & Son, 1183 Dock st., Tacoma, Wash.
Hunt Brass Works, 1617 Winona Ave., Chicago.
Hunt Bros., contractors, Kingston, N. Y.
Hunt Bros. Co., canned goods, San Francisco, Calif.
Hunt Bros. Packing Co., 2 Pine St., San Francisco, Cal.
HUNT, C. B., & CO., hose couplings, McKinley av., Salem, Ohio.
Hunt, C. H., Co., mining screens, Wilkes-Barre, Pa.
HUNT COMPANY, INC., C. W., West New Brighton, Staten Island, N. Y.
Pres.—T. S. Atwater.
V. P.—S. S. Volck.
Sec.—G. S. Humphrey.
Treas.—George S. Welch.
Sales Mgr.—G. K. Jenckes.
Boston, 9, Mass.—141 Milk St., Ernest F. Learned.
Chicago—431 S. Dearborn St., Phillips, Lang & Co., Inc.
New York—Whitehall Bldg.
San Francisco, Calif.—Engineering Products Co.
Montreal, Quebec, Canada—Engineering Products Co.
Hunt Co., Philip A., 225 Fifth Ave., New York.
HUNT CO., ROBERT W., 175 W. Jackson Blvd., Chicago.
Pres.—Jno. J. Cone.
V. P. & Treas.—D. W. McNaugher.
V. P. & Gen. Mgr.—C. P. Nolte.
Cincinnati, O.—509 Gerke Bldg.
Dallas, Tex.—Southern Life Bldg.
Kansas City, Mo.—Orear-Leslie Bldg.
London—52 Queen Victoria St., E. C.
Montreal, Can.—905 McGill Bldg.
New Orleans, La.—Carondelet Bldg.
New York—53 Park Place.
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Hunt, Jas. B., Mfg. Co., masons' & bldrs.' matls., Trenton, N. J.
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Illinois Fndry. & Specialty Co., Morris, Ill.
Illinois Glass Co., Alton, Ill.
Illinois Granite & Stone Wks., Springfield, Ill.
Illinois Hydraulic Stone & Construction Co., Elgin, Ill.
Illinois Iron & Bolt Co., Inc., Carpentersville, Ill.
Illinois Kaolin Co., fire clay, Anna, Ill.
Illinois Knitting Mills, 1107 Broadway, New York.
Illinois Lumber, Grain & Coal Co., Hoopeston, Ill.
Illinois Maintenance Co., machsts., 72 W. Adams, Chicago.

ILLINOIS MALLEABLE IRON CO., 1801-25 Diversey Parkway, Chicago.
Works—Diversey Parkway and C. & N. W. Tracks, Chicago.
Pres.—H. E. Bullock.
V. P. & Treas.—W. J. Akin.
Secy.—Geo. Reeling.
Gen'l Sales Mgr.—J. R. Steneck.

Illinois Mfg. & Supply Co., dust arresters, feed & fireless cookers, sand blast machy., tumbling & water cinder mills, Quincy, Ill.
Illinois Mfg. Supply Co., (Screws) 1455 S. Michigan Ave., Chicago.
Illinois Mineral Milling Co., East St. Louis, Ill.
Illinois Modern Button & Mach. Co., 2407 W. Ohio, Chicago.
Illinois Moulding Co., 2411 W. 23d, Chicago.
Illinois Nail Co., 826 Dix St., Chicago.
Illinois National Supply Co., Robinson, Ill.
Illinois Nat. Supply Co., mill & facty. supplies, Lawrenceville, Ill.
Illinois Nat. Supply Co., oil & gas well supls., machy. dlrs., Casey, Ill.
Illinois Oil Co., of Rock Island, Rock Island, Ill.
Illinois Pacific Glass Co., 15th & Folsom, San Francisco, Calif.
Illinois Pacific Glass Co., Broadway Bldg., Portland, Ore.
Illinois Packing Box Co., 925 N. Halsted, Chicago.
Illinois Paper Box Co., 1323 Carroll Ave., Chicago.
Illinois Paper Can & Tube Co., 19th St. & Belmont Ave, East St. Louis, Ill.
Illinois Pipe & Mfg. Co., 3437 S. Lawndale Ave., Chicago.
Illinois Powder Mfg. Co., Pierce Bldg., St. Louis, Mo.
Illinois Printing Co., pads & tablets, Danville, Ill.
Illinois Pure Aluminum Co., Lemont, Ill.
Illinois Razor Strop Co., 2035 Charleston, Chicago.
Illinois Refrigerator Co., Morrison, Ill.
Illinois School Furniture Co., Rockford, Ill.
Illinois Show Case Wks., 1218 N. Wells st., Chicago.
Illinois Silo & Tractor Co., Bloomington, Ill.

ILLINOIS SMELTING & REFINING CO., 410 N. Peoria, Chicago.

Illinois Specialty Co., ironing boards, Tuscola, Ill.
Illinois Steel Bridge Co., Jacksonville, Ill.
Illinois Steel Co., 208 S. La Salle St., Chicago.
Illinois Stoker Co., Alton, Ill.
Illinois Stone Co., 29 S. La Salle St., Chicago.
Illinois Testing Laboratories Inc., 141 W. Austin Ave., Chicago.
Illinois Thresher Co., Sycamore, Ill.
Illinois Tool Works, 2501 N. Keeler Ave., Chicago.
Illinois Valley Silica Co., silica sand, Ottawa, Ill.
Illinois Watch Case Co., Elgin, Ill.
Illinois Watch Co., machsts., Springfield, Ill.

ILLINOIS WIRE & CABLE CO., Sycamore, Ill.

Illinois Zinc Co., spelter & zinc mfrs., etc., Peru, Ill.
Illinois Zinc Co., 332 S. Michigan Ave., Chicago.
Illustrated World, trade publication, 58th & Drexel, Chicago, Ill.
Ils & Co., John G., 839 Mission St., San Francisco, Cal.
Ilsley, Doubleday & Co., paint mfrs. & greases, 229 Front, New York.
Imbauser Company, E., 212 Broadway, New York.
Imbodden Mfg. Co., I. C., Cleona, Pa.
Imbs, J. F., Milling, flour, Belleville, Ill.

IMHAUSER CO., E., watchman's clocks & time recorders, 212 Broadway, New York.

Imitation Typewriting & Addressing Co., 20 E. Randolph st., Chicago, Ill.

Immaculate Kaolin Co., Easton, Pa.
Immel Constr. Co., Fond Du Lac, Wis.
Imperial Appliance Co. (Now Union Metal Products Co.), Chicago.
Imperial Auto Products Co., 946 S. Flowers, Los Angeles, Calif.
Imperial Bagging Co., Norfolk, Va.
Imperial Bearing Co., 6635 E. Forest st., Detroit, Mich.
Imperial Belting Co., Inc., 400 N. Lincoln St., Chicago.
Imperial Bit & Snap Co., Racine, Wis.

IMPERIAL BRASS MFG. CO., THE, 1200 W. Harrison St., Chicago.
Pres. & Treas.—Frank McNeilis.
V. P.—August Dobrick.
Asst. Treas.—Joseph J. Risch.
Secy.—Fred C. Ralston.
Los Angeles, Cal.—Citizens Nat'l Bank Bldg., Chas. McNeilis.
New York—Longacre Bldg., H. McNeilis.
San Francisco, Cal.—Monadnock Bldg., A. J. Buckley.

Imperial Broom Wks., 172 N. May, Chicago, Ill.
Imperial Carving Co., caskets, ornaments, Allegan, Mich.
Imperial Charcoal Co., 548 W. 25th, New York.
Imperial Color Works, Inc., extracts & colors, dry & pulp colors, dyestuffs, etc., Glens Falls, N. Y.
Imperial Co., fertilizer mfrs., Norfolk, Va.
Imperial Co., waterproofing materials, 142 Stillman, San Francisco, Calif.
Imperial Cotton Mills, Eatonton, Ga.
Imperial Cotton Mills Co., ducks & denims, 1850 N. Main, Los Angeles, Calif.
Imperial Desk Co., Evansville, Ind.
Imperial Drop Forge Co., 510 S. Harding St., Indianapolis, Ind.
Imperial Dyewood Co., Inc., hyperin extracts, Glens Falls, N. Y.
Imperial Elec. Co., rectifiers, Union City, Ind.
Imperial Filter Mfg. Co., water filters, 1007 Locust, St. Louis, Mo.
Imperial Floor Co., Cutler Bldg., Rochester, N. Y.
Imperial Furn. Co., Dept. H, Rockford, Ill.
Imperial Furn. Co., Grand Rapids, Mich.
Imperial Furn. Mfg. Co., Dept. H, Statesville, N. C.
Imperial Glass Co., Bellaire, O.
Imperial Glue Co., 1 Drumm, San Francisco, Calif.
Imperial Hydraulic Shock Absorber Co., 1039 Harrison st., San Francisco, Calif.
Imperial Iron Works, air clutches, 2051 Imperial, Los Angeles, Calif.
Imperial Knitting Co., sweaters, etc., 1075 3d, Milwaukee, Wis.
Imperial Leather Mfg. Co., 847 W. Harrison St., Chicago.
Imperial Lbr. Co., Palmer, W. Va.
Imperial Machine Co., 1611 Central av., Minneapolis, Minn.
Imperial Machine & Foundry Corp., Lindenhurst, Long Island, N. Y.
Imperial Machy. Co., Grand Rapids, Mich., & 1611 Central av., Minneapolis, Minn.
Imperial Mfg. Co., 297 Washington St., Newark, N. J.
Imperial Mfg. Co., carbon paper, typewriter ribbons, 297 Washington, Newark, N. J.
Imperial Mfg. Co., piano cases, Stamford, Conn.
Imperial Mfg. & Trading Co., 253 Broadway, New York.
Imperial Metal Products Co., Grand Rapids, Mich.
Imperial Methods Co., filing cabinets & devices, 750 S. Circle av., Forest Park, Ill.
Imperial Oil & Gas Products Co., carbon black, Harrisville, W. Va.
Imperial Oil Marketing Co., Tulsa, Okla.
Imperial Packing Corp., 73 Broadway, New York.
Imperial Paint Co., Long Island City, N. Y.
Imperial Pearl Button Co., 131 W. 23d, New York.
Imperial Polish Co., 120 Walnut, Philadelphia, Pa.
Imperial Porcelain Works, Mullberry & Canal Sts., Trenton, N. J.
Imperial Ruling & Binding Co., 45-46 Imperial Power Bldg., Pittsburgh, Pa.
Imperial Shipbldg. Corp., Ft. Dubois, Detroit, Mich.
Imperial Soil Pipe Works, Bessemer, Ala.
Imperial Steel Cabinet Co., 2144 Fulton St., Chicago.
Imperial Steel Range Co., 2900 Detroit av., Cleveland, O.
Imperial Stone Co., Bedford, Ind.
Imperial Sugar Co., Sugarland, Tex.
Imperial Tool Co., Bloomington, Ill.
Imperial Valley Hdwe. Co., Holtville, Calif.
Imperial Wall Paper Co., Glens Falls, N. Y.
Imperial Water Proof Co., 218 S. Wabash Ave., Chicago.
Imperial Woolen Co., blankets, Main & Rector, Phila., Pa.
Impervious Package Co., Keene, N. H.

IMPERVIOUS VARNISH CO., mfrs. electric insulating varnishes, impregnating compounds, enamels, lacquers & baking japans, 421 Wood, Pittsburgh, Pa.

Implement Trade Journal Co., publications, Graphic Arts bldg., Kansas City, Mo.
Import Sales Co., see Diamond Electric Specialties Corp., Newark, N. J. (successors).
Imprint Pencil Co., advtg. pencils, 530 Broadway, New York.
Improved Aluminum Gasco Protector Co., respirators, protectors, etc., 1103 North av., Waukegan, Ill.
Improved Appliance Co., The, (now Combustion Utilities Corp.), Brooklyn, N. Y.
Improved Brick Co., Salt Lake City, Utah.
Improved Dodge Guano Co., Eastman, Ga.
Improved Equipment Co., gas wks. app., 60 Wall, New York.
Improved Gauge Mfg. Co., 105 Canal St., Syracuse, N. Y.
Improved Mailing Case Co., 305 Broadway, New York.
Improved Office Partition Co., Grand St., Elmhurst, New York.
Improved Paper Machinery Co., Nashua, N. H.
Improved Sanitary Fixture Co., bath & lavatory, 612 Metropolitan bldg., Los Angeles, Calif.
Improvement Bulletin, trade publication, 215 S. 6th, Minneapolis, Minn.
Imse-Schilling Sash & Door Co., 4217 Beck, St. Louis, Mo.
Incandescent Light & Stove Co., Madison & Ebersole, Cincinnati, O.
Incandescent Light Mfg. Co., Council Bluffs, Ia.
Incandescent Supply Co., gas & elec. fixtures, 726 Mission, San Francisco, Cal.
Incandescent Supply Co., 468 W. Broadway, New York. (Home Office.)
Incandescent Supply Co., 64 W. Lake St., Chicago.
Incandescent Supply Co., 638 Liberty St., Pittsburgh, Pa.
Inco Co., 1426 E. 15th st., Los Angeles, Calif.
Indelli & Conforti Co., contractors, 847 Bryant av., New York.
Independence Brick Co., Baltimore, Md.
Independence Canning Corp., Independence, Ia.
Independence Corrugated Culvert Co., Mason City, Ia.
Independence Electric & Milling Co., flour, Independence, Va.
Independence Elevator Co., 7th & Wood Sts., Philadelphia, Pa.
Independence Iron Works Co., Independence, Kan.
Independence Shale Brick Plant, Independence, Mo.
Independence Stove & Furnace Co., Independence, Mo.
Independence Veneer & Box Mfg. Co., Ltd., Independence, La.
Independent Aetna Sprinkler Co., Phila., Pa., & 1330 W. Jackson blvd., Chicago, Ill.
Independent Asphalt Paving Co., 2601 R. R. Seattle, Wash.
Independent Automatic Sprinkler Co., 72 Natoma, San Francisco, Calif.
Independent Brick Co., Broad Street Bank Bldg., Trenton, N. J.
Independent Bridge Co., May Bldg., Pittsburgh, Pa.
Independent Can Co., 401 N. Wood St., Chicago.
Independent Chair Co., 32 Pitts, Boston, Mass.
Independent Chemical Co., 87 Dey St., New York.
Independent Coal & Coke Co., Salt Lake City, Utah.
Independent Construction Co., Davenport, Ia., & Terre Haute, Ind.
Independent Cooperage Co., Dept. H, Fort Wayne, Ind.
Independent Cork Co., 574-76 Hamilton av. c, 17th, Brooklyn, N. Y.
Independent Cornice & Furnace Wks., 1951 S. Los Angeles st., Los Angeles, Calif.
Independent Die Co., Brockton, Mass.
Independent Electric Machinery Co., Inc., 20th & Central Sts., Kansas City, Mo.
Independent Elevator Co., 1810 Market, San Francisco, Calif.
Independent Fertilizer Co., Graham blvd., Jacksonville, Fla.
Independent Filter Press Co., Inc., 418 Third Ave., Brooklyn, N. Y.
Independent Fdry. Co., 743 York, Portland, Ore.
Independent Furn. Co., Inc., 1617 McGarry, Los Angeles, Calif.
Independent Glass Co., Sisterville, W. Va.
Independent Gravel Co., Webb City, Mo.
Independent Guano Co., fertz. mfrs., Greenville, S. C.
Independent Harvester Co., Plano, Ill.
Independent Iron & Steel Co., 24 California, San Francisco, Calif.
Independent Lamp & Wire Co., 1733 B'way, New York.
Independent Lime & Stone Co., Druecker, Wis.
Independent Mechanical Electrical Works, electric dental machy., etc., 3040 S. Main, Los Angeles, Calif.

INDEPENDENT METAL STRAP CO., INC., THE, 56 Prince St., New York.
Pres.—Sidney J. Ornston.
Sec. & Treas.—I. Emanuel.

Independent Motor Co., The, Youngstown, O.
Independent Motor Truck Co., 2d & Howell, Davenport, Ia.
Independent Oil Co., Mansfield, Ohio.
Independent Oil & Fertz. Wks., Columbus, Miss.
Independent Oil & Grease Co., 291-293 S. Water St., Milwaukee, Wis.
Independent Packers Fertilizing Co., Columbus, Ohio.
Independent Packing Co., 41st & Halsted Sts., Chicago.
Independent Paper Box Co., 1205 Kirkham, Oakland, Calif.

INDEPENDENT PNEUMATIC TOOL CO., (General Offices), 600 W. Jackson Blvd., Chicago.
Pres.—John D. Hurley.
1st V. P.—Ralph S. Cooper.
2nd V. P.—R. T. Scott, New York.
Sec.—Fletcher W. Buchanan.
Treas.—Edw. G. Gustafson.
Factory: Aurora, Ill.
Consulting Engr.—Axel Levedahl.
Works Mgr.—F. B. Hammerly.
Chief Designer—R. A. Norling.
Birmingham, Ala.—1721 The Age Herald Bldg., H. C. Halbert.
Boston, Mass.—1230 Little Bldg., R. E. Kelly.
Cleveland, O.—1178 Union Trust Bldg., H. F. White.
Detroit, Mich.—518 Garfield Bldg., V. W. Robinson.
Montreal, Que., Can.—10 St. Antoine St., W. H. Rosevear.
New York—1463 Broadway, H. G. Keller.
Philadelphia, Pa.—512 Denckla Bldg., F. H. Charbonne.
Pittsburgh, Pa.—718 Bessemer Bldg., F. J. Passino.
St. Louis, Mo.—411 Olive St., W. A. Nugent.
San Francisco, Cal.—61 Fremont St., Vernon Job.
Toronto, Ont.—32 Front St., West.
Foreign—
London, Eng.—40 Broadway, Westminster, S. W. 1.

Independent Refining Co., Ltd., Rouseville, Pa., and Oil City, Pa.
Independent Register & Mfg. Co., 201 Perry-Payne Bldg., Cleveland, O.
Independent Roller Milling Co., flour, North Mountain, W. Va.
Independent Salt Co., 44 Whitehall, New York.
Independent Sheet Metal Co., corn. & skylights, Seattle, Wash.
Independent Steel Corp., nails, iron & steel sheets, 19 Moore, New York.
Independent Stove Co., Owosso, Mich.
Independent Supply Co., 36 South St., New York.
Independent Tack Co., Oil City, Pa.
Independent Whip Co., Westfield, Mass.
Inderrieden Canning Co., 516 W. Erie st., Chicago, Ill.
Indestructible Ash Can Co., 96 Greene, New York.
Indestructible Dead Plate Co., 341 E. Ohio St., Chicago.
Indestructible Sign Co., The, Columbus, O.
Indestructible Wheel Co., Lebanon, Ind.
Index Galena Lumber Co., Index, Wash.
Index Republican Co., advtg. nov., Bellefontaine, Ohio.

INDEX VISIBLE, INC., 441 Chapel, New Haven, Conn.

Indexo Co., tooth brushes, 33 W. 42d, New York (tr.).
India Alkali Wks., 28 India St., Boston, Mass.
Indiahoma Refining Co., Okmulgee, Okla.
Indiahoma Refining Co., petroleum & its prods., E. St. Louis, Ill.
India Palmette Brush Co., 112 E. Atwater, Detroit, Mich.
India Rubber Co., hard rubber, New Brunswick, N. J.
India Rubber Co., tires, Mogadore, Akron, Ohio.
India Rubber World, trade publication, 25 W. 45th, New York.
Indian Creek Coal & Mining Co., 817 Traction Terminal, Indianapolis, Ind.
Indian Furn. Co., Dept. H, Louisville, Ky.
Indian Head Mills of Ala., Cordova, Ala.
Indian Head Table Co., Dept. H, Nashua, N. H.
Indian Orchard Co., cable cords, tex. machy., warps, Indian Orchard, Mass.
Indian Refining Co., Inc., 244 Madison Ave., New York.
Indian Sand, Lime, Brick Co., Greenfield, Ind.
Indian Territory Illuminating Oil Co., Bartlesville, Okla.
Indiana Air Pump Co., 816 Indiana Pythian Bldg., Indianapolis, Ind.
Indiana Aluminum Ware Co., Elkhart, Ind.
Indiana Asphalt Paving Co., contrs., 2810 Columbia av., Indianapolis, Ind.
Indiana Atomized Fuel Co., The, Evansville, Ind.
Indiana Bedford Stone Co., Bedford, Ind.
Indiana Board & Filler Co., Vincennes, Ind.
Indiana Box Co., Elwood, Ind.
Indiana Bridge Co., Muncie, Ind.
Indiana Chemical & Mfg. Co., printing inks, 135 S. East, Indianapolis, Ind.
Indiana Collar Co., 18 Olive st., Evansville, Ind.
Indiana Concrete Mold Co., curb forms, Peru, Ind.
Indiana Condensed Milk Co., canned, Sheridan, Ind.

INDIANA CREOSOTING CO., Inc., 401 W. Main St., Louisville, Ky.

Indiana Die Casting Co., machy., Indianapolis, Ind.
Indiana Drain Tile Co., Brooklyn, Ind.
Indiana Dredging Co., Royal Center, Ind.
Indiana Dye & Chemical Co., Hammond, Ind.

INDIANA ENGINEERING CO., INC., 3016 N. Illinois St., Indianapolis, Ind.
Pres.—Omar B. Morgan.
Sec. & Treas.—G. B. Morgan.

Indiana Engng. & Constr. Co., 201 Central av., Fort Wayne, Ind.
Indiana Fan Co., 32-40 E. South St., Indianapolis, Ind.
Indiana Feather Stamping Co., Williamsport, Pa.
Indiana Fibre Products Co., boxes, 32d & Boots, Marion, Ind.
Indiana Fire Products Co., Marion, Ind.
Indiana Flooring Co., 232 Rider Ave., New York.

INDIANA FOUNDRY CO., INC., 158 Clymer Ave., Indiana, Pa.
Pres.—Thos. Sutton.
V. P.—Jno. W. Sutton.
Secy.—R. S. Sutton.
Treas.—A. H. Torrance.
Sales Mgr.—P. V. Smith.
Distributors and Representatives:
ALA.—Birmingham—Keiser-Geismer Engr. Co., 1308 American Trust Bldg., Main 1728.
Young & Vann Supply Co., 1725 First Ave., Main 5061.
Mobile—Turner Supply Co., Exchange 2236.
CAL.—San Francisco—Norman B. Livermore & Co., 1306 Merchants National Bank Bldg., Sutter 6893.
COLO.—Denver—Mine & Smelter Supply Co., 17th & Blake Sts., Main 515.
H. W. Moore & Co., 18th & Wazee Sts., Main 5706.
GA.—Atlanta—Southern Iron & Equipment Co., 217-229 Grant Bldg., Ivy 2060.
ILL.—Chicago—W. S. Bogle Co., Fisher Bldg., State 5750.
Geo. B. Carpenter & Co., 440 N. Wells St., Franklin 6000.
H. Channon Co., Market & Randolph Sts., Franklin 0380.
Crerar, Adams & Co., 3580 S. Morgan, Boulevard 8608.
Electric Service Supplies Co., Monadnock Bldg., Harrison 0995.
Fairbanks Morse & Co., 900 S. Wabash Ave., Harrison 7100.
J. J. Mayou Foundry Sup. Co., 3948 S. Union Ave., Boulevard 4016.
McMaster Carr Sup. Co., 174 N. Market St., Franklin 6161.
S. Obermayer Co., 18th & Rockwell Sts., Lawndale 2414.
Ogle Construction Co., 28 E. Jackson Blvd., Harrison 7218.
Roberts & Schaeffer Co., McCormick Bldg., Central 3250.
Murphysboro—Egyptian Iron Works Co.
IND.—Indianapolis—Indianapolis Belting & Sup. Co., 34 S. Capitol Ave., Main 3226.
Van Camp Hdwe. & Iron Co., 401 W. Maryland St., Main 5000.
Vonegut Machinery Co., 43 S. Meridan St., Main 0257.
Terre Haute—Power Supply Co.
KY.—Ashland—Williams Co., Ben.
Hazard—Sterling Hardware Co.
Louisville—Belknap Hardware & Mfg. Co., 2nd & Washington Sts., Main 2500.
E. D. Morton & Co., 516 W. Main St., Main 270.
Middleboro—Kentucky Mine Supply Co.
Rogan Brothers Co.
LA.—New Orleans—Favlet, Frank, Canal Commercial Bldg., Main 2255.
Fairbanks Co., 900 Camp St., Main 350.
Patterson Co., Ltd.
Woodward, Wight & Co.
MD.—Baltimore—Carey Machinery & Sup. Co., 119 E. Lombard St., Plaza 4630.
Henry H. Meyer Co., 110 S. Howard St., Plaza 4151.
Cumberland—Sell & Co., P. O. Box 137.
Wilson & Pugh, 26 George St.
MASS.—Boston—Cutter & Wood Sup. Co., 70 Pearl St., Haymarket 5204.
MICH.—Detroit—W. H. Anderson Tool & Sup. Co., Brush & MacComb Sts., Cherry 5700.
Frederick B. Stevens, Main 2470.
E. J. Woodison Co.
Escanaba—Delta Hardware Co.
Saginaw—Flack-Pennell Supply Co.
MINN.—Duluth—Kelly-How-Thomson Co., Melrose 1100.
Marshall-Wells Hdwe. Co., Melrose 2800.
St. Paul—Robinson, Carey & Sands Co., 4th & Waconta Sts., Garfield 4341.
MO.—Kansas City—Satterlee Elec. & Ry. Sup. Co., 22 E. 9th St., Harrison 2880.
St. Louis—Donovan Iron & Supply Co., 810 W. Main St., Main 4697.
Handian, Buck & Co., 210 N. Third St., Main 3450.
Mid-Continent Equip. & Machy. Co., Security Bldg., Olive 2418.
Midvale Mining & Mfg. Co., 705 Olive St., East, Main 1152.
Sligo Iron Store Co., 1301 North Sixth St., Tyler 3050.
Southern Railway & Supply Co., 113 N. Second St.
Zeinicker Supply Co., 511 Locust St., Olive 3910.
MONT.—Butte—Anaconda Copper Mining Co.

(Continued on following page)

INDIANA FOUNDRY CO., INC.—Continued.
N. J.—Jersey City—Robert MacLees Specialty Co., P. O. Box 139.
N. Y.—Buffalo—Beals, McCarthy & Rogers, 50 Terrace, Seneca 2820.
Fairbanks Co., 108 Pearl St., Seneca 3208.
Walbridge & Co., 392 Main, Seneca 5170.
E. J. Woodison & Co., 1200 Niagara St., Bidwell 3213.
New York—Am. Car & Foundry Co., 165 Broadway, Cortland 8110.
Braunfels-Browning Co., 131 Park Ave., Harden 4760.
A. R. Dienst, 140th St., & 3rd Ave., Mott Haven 5430.
Electric Service Sup. Co., Cortland 0473.
Fairbanks Co., 416 Broome St., Canal 2800.
Fox Brothers & Co., 126 Lafayette St., Canal 9190.
Godfrey-Keeler Co., 70 Warren St., Barclay 6775.
G. S. Green & Co., 74 Warren St., Barclay 8688.
Lebedjeff Engng. & Sup. Co., 11 Broadway, Cortland 3144.
Manning, Maxwell & Moore, Inc., 119 W. 40th St., Bryant 6080.
Phelps, Dodge & Co., 99 John St., Beekman 1950.
E. C. Sherwood, 50 Church St., Cortland 3322.
Tucker Tool & Machine Co., 75 Warren St., Barclay 5050.
Rochester—Strong, Dash & Hery Co.
OHIO—Canton—Scioto Valley Supply Co., 210 Piedmont Ave., S. E., Main 3900.
Cincinnati—Buckeye Products Co., 919 W. Fifth St., West 442.
Hill-Brunner Foundry Supply Co., South & Evans Sts.
Hill-Griffith Co., 1246 State St., West 3227.
Johnston Co., Wm. T., Third & Vine Sts., Main 3232.
E. A. Kinsey Co., Fourth St., Main 4492.
McLeod Co., 2232 Bogen St., West 4378.
Post-Glover Electric Co., 308 N. Fourth St., Main 3.
Queen City Supply Co., Pearl & Third Sts., Main 1195.
Wirthlin-Mann Co., Plum & Commerce Sts., Main 3380.
J. R. Wood Supply Co., 917 Broadway, Canal 4226.
Cleveland—Mau-Sherwood & Co., 1616 West Third St., Main 7310.
Pattison Supply Co., W. H., 777 Rockwell Ave., Main 7320.
W. M. Sly Mfg. Sup. Co., 4700 Train Ave., Hemlock 2250.
Worthington Co., Geo., 802 St. Clair Ave., Cherry 1600.
Steubenville—Steubenville Hardware Co.
Wellston—Trimble & Lutz Supply Co.
Zanesville—Roekel Co.
ORE.—Portland—Railway Equipment Co., 72 First St., Broadway 7363.
PA.—Altoona—Standard Supply & Equipment Co.
Hazelton—Blethen, Fred M.
Hazelton Machine & Supply Co.
Patton—Central Hardware & Sup. Co.
Philadelphia—Electric Service Sup. Co., 17th & Cambria Sts., Diamond 6574.
Fairbanks Co., 701 Arch St., Market 2210.
J. W. Paxson Co., 1021 N. Delaware Ave., Market 4111.
Geo. F. Pettinos, Real Estate Trust Bldg., Walnut 4402.
Powell, Clouds & Co., 602 Arch St., Market 2115.
J. Jacob Shannon & Co., 1744 Market St., Spruce 1774.
Standard Sup. & Equip. Co., 13th & Cherry Sts., Locust 4150.
Tilghman-Brooksband Sand Blast Co., 1126 South 11th St., Oregon 1430.
Pittsburgh—Armstrong, Wolfe & Zimmerman Co., 1st Ave. & Market St., Court 3961.
Biddle Purchasing Co., Ferguson Bldg., Grant 5237.
Burson Supply Co., 242 First Ave.
Chandler-Boyd Supply Co., Terminal Bldg., Hemlock 764.
Colonial Supply Co., 217 Water St., Court 1042.
Fairbanks Co., Court 4060.
Frick & Lindsay Co., Sandusky & Robinson Sts., Cedar 5700.
Graff Co., 945 Liberty Ave., Grant 4558.
L. A. Green 1610 First National Bank Bldg., Court 690.
Hukill-Hunter Co., Terminal Bldg., S. S., Hemlock 730.
Hyde & Co., Chas., 331 Fourth Ave., Court 1329.
Kelly & Jones, 131 Water St., Court 203.
Logan Gregg Hardware Co., 121 9th St., Grant 724.
J. S. McCormick & Co., 2428 Railroad St., Grant 7246.
Pittsburgh Coal Co., Grant 3280.
Pittsburgh Gage Supply Co., 30th & Liberty, Grant 6600.
Pittsburgh Mining Machinery Co., 845 Wabash Bldg., Court 4836.
Rose Tool & Sup. Co., Market St., Court 1471.
Somers, Fitler & Todd Co., 327 Water St., Court 4860.
Standard Supply & Equip. Co., Liberty Ave., Grant 232.
C. A. Turner, Inc., Third Ave. & Chancery Lane, Court 2446.
Union Electric Co., Terminal Warehouse, Grant 5810.
Scranton—Bittenbender Co., 126 Franklin Ave.
S. C.—Anderson—Sullivan Hardware Co.
TENN.—Memphis—Pidgeon-Thomas Iron Co., 94 N 2nd St., Main 1500.
Riechman-Crosby Co., 223 S. Front St., Main 3800.
TEX.—Galveston—Blum Hardware Co.
UTAH—Salt Lake City—Salt Lake Hardware Co., Wasatch 425.
United States Stores Co., Wasatch 109.
VA.—Norfolk-Henry Walke Co., 25337 & 25338.
Richmond—McGraw, Inc., James, 15th & Main Sts., Madison 232.
Smith, Courtney Co., 809-823 Cary St., Madison 6335.
Roanoke—Roanoke Plumbing & Mill Supply Co.
WASH.—Seattle—Clyde Equipment Co., 542 First Ave., South Main 1235.
Mill & Mine Supply Co., 317 First Ave., South Main 1167.

INDIANA FOUNDRY CO., INC.—Continued.
W. VA.—Bluefield—Bluefield Hardware Co.
Superior Supply Co.
Charleston—Capitol City Supply Co.
Clarksburg—General Equipment Co.
West Virginia Mine Supply Co.
Wooters, R. Bates.
Elkins—Baldwin Supply Co.
Fairmont—Fairmont Mining Machinery Co.
Huntington—Banks Supply Co.
Emmons-Hawkins Hardware Co.
Foster Mead Hardware Co.
Huntington Supply & Equipment Co.
Miller Supply Co.
Logan—Logan Hardware Co.
Morgantown—Monongahela Supply Co.
Williamson—Williamson Supply Co.
VT.—Bennington—Enos Adams Co.
WIS.—Green Bay—Morley-Murphy Hardware Co.
Milwaukee—Donald Manufacturing & Supply Co.
Foreign:
CAN.—Toronto, Ont.—Canadian Fairbanks-Morse Co.
Cartshore, John J.
A. R. Williams Machine Co.
Montreal, Que.—Hopkins & Co., F. H.
Williams & Wilson.

Indiana Furn. Co., Dept. H., 18 S. 6th av., Evansville, Ind.
Indiana Glass Co., Dunkirk, Ind.
Indiana Handle Co., Vincennes, Ind.
Indiana Heading & Stave Co., Huntingburg, Ind.
Indiana Hollow Ware Co., machsts. & fndrs., Jeffersonville, Ind.
Indiana Illinois Coal Corp., 10 S. La Salle, Chicago, Ill.
Indiana Indestructible Paint Co., 1247 Belmont Ave., Chicago.
Indiana Laboratories Co., Inc., metallurgical engrs., Hammond, Ind.
Indiana Lamp Co., Connersville, Ind.
Indiana Limestone Co., Bedford, Ind.
Indiana Lumber & Mfg. Co., 742 S. Michigan av., South Bend, Ind.
Indiana Lumber Co., Kokomo, Ind.
Indiana Mach. Co., middling mills, feed governors, Hagerstown, Ind.
Indiana Machine Shop Co., Oroville, Calif.
Indiana Mfg. Co., agricultural implements, Merchants' Bank Bldg., Indianapolis, Ind.
Indiana Match Corp., Crawfordsville, Ind.
Indiana Metal Products Co., The, Muncie, Ind.
Indiana Mould & Mach. Wks., Muncie, Ind.
Indiana Paper Co., pads & tablets, Indianapolis, Ind.
Indiana Paving Brick and Block Co., Brazil, Ind.
Indiana Piston Ring Co., Hagerstown, Ind.
Indiana Quarries Co., stone prod. 101 Park av., New York, & 112 W. Adams, Chicago, Ill.
Indiana Rolling Mill Co., Newcastle, Ind.
Indiana Rubber & Insulated Wire Co., Jonesboro, Ind.
Indiana Sewer Pipe Co., Mecca, Ind.
Indiana Shovel Co., New Castle, Ind.
Indiana Silo & Tractor Co., Anderson, Ind.
Indiana Steel Co., rolling mills, Gary, Ind.

INDIANA STEEL & WIRE CO., South Council St., Muncie, Ind.
Gen. Sales Mgr.—Robert Miller.

Indiana Steel Products Co., 127 N. Peoria St., Chicago.
Indiana Stove Works, Evansville, Ind.
Indiana Tank & Boiler Works, Indianapolis, Ind.
Indiana Tank Heater Co., Argos, Ind.
Indiana Tie Co., Citizen Bank Bldg., Evansville, Ind.
Indiana Truck Corporation, Marion, Ind.
Indiana Veneer & Lbr. Co., 24th & L. E. W. Ry., Indianapolis, Ind.
Indiana Veneer & Panel Co., New Albany, Ind.
Indiana Wagon Co., Lafayette, Ind.

INDIANA WOOD PRESERVING CO., 111 W. Washington St., Chicago.
Pres.—Joseph B. Card.
Plant—Terre Haute, Ind.

Indiana Wood Products Co., broom handles, Spencer, Ind.
Indianapolis Abattoir Co., meat packers, W. Morris & White River, Indianapolis, Ind.
Indianapolis Belting & Supply Co., 34 S. Capitol Ave., Indianapolis, Ind.
Indianapolis Blue Print & Supply Co., Century Bldg., Indianapolis, Ind.
Indianapolis Brass Co., 1012 E. Michigan, Indianapolis, Ind.

INDIANAPOLIS BRUSH & BROOM MFG. CO., 2260 Brush St., Indianapolis, Ind.
Pres. & Treas.—I. W. Lemaux.
Boston, Mass.—706 Board of Trade Bldg., 131 State St., L. A. Brown.
New York—220 Broadway, C. E. Foster.

Indianapolis Cable Excavator Co., Indianapolis, Ind.
Indianapolis Casket Co., 521 W. North, Indianapolis, Ind.
Indianapolis Chemical Co., 1444 Madison Ave., Indianapolis, Ind.
Indianapolis Coal Co., masons' & bldrs.' matls., 234 Bankers Tr. Bldg., Indianapolis, Ind.
Indianapolis Cordage Co., 1959 S. Meridian, Indianapolis, Ind.
Indianapolis Corrugating Co., Indianapolis, Ind.
Indianapolis Drop Forging Co., 1300 Madison Ave., Indianapolis, Ind.
Indianapolis Drug Cabinet Co., see Swartz Sectional Systems (successors).
Indianapolis Electric Supply Co., 122 S. Meridian St., Indianapolis, Ind.
Indianapolis Excelsior Machy. Co., S. Keystone & Belt, Indianapolis, Ind.
Indianapolis Glove Co., Liberty & Michigan, Indianapolis, Ind.
Indianapolis Lock Co., Indianapolis, Ind.
Indianapolis Mortar & Fuel Co., 407 Odd-Fellow, Indianapolis, Ind.
Indianapolis Paint & Color Co., 120 S. Illinois, Indianapolis, Ind.
Indianapolis Paste Co., Indianapolis, Ind.
Indianapolis Saddlery Co., The, 236 S. Meridian St., Indianapolis, Ind.
Indianapolis Sawed Veneer Co., 324 W. 14th St., Indianapolis, Ind.
Indianapolis Screw Products Co., Indianapolis, Ind.
Indianapolis Stove Co., Roosevelt & Columbia sts., Indianapolis, Ind.

INDIANAPOLIS SWITCH & FROG CO., THE Springfield, O.
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V. P.—N. H. Fairbanks.
V. P. and Treas.—E. C. Price.
Ch. Engr.—T. L. Hanley.
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Philadelphia—F. W. Marvel.

Indianapolis Tent & Awning Co., 447 E. Washington, Indianapolis, Ind.
Indianapolis Terra Cotta Co., Brightwood, Indianapolis, Ind.
Indianapolis Tool & Mfg. Co., 205 W. South St., Indianapolis, Ind.
Indianapolis Varnish Co., 137 N. Pine St., Indianapolis, Ind.
Indianapolis Wire Bound Box Co., 1300 Bucher, Indianapolis, Ind.
Indianola Cotton Oil Co., Indianola, Miss.

INDICATING CALIPERS CO., 506 E. 19th st., New York.

Indigo Blueing Co., 2604 18th, San Francisco, Calif.
Indispensable Mfg. Co., lamp cord adjusters, San Francisco, Calif.

INDIVIDUAL DRINKING CUP CO., INC., Easton Pa.
Pres.—Hugh Moore.
V. P.—S. J. Graham.
Treas.—A. R. Lilliecrapp.
Special R. R. Rep.—M. E. Morrison.
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Chicago—Rand McNally Bldg., M. E. Morrison.
Los Angeles, Cal.—605 So. Figueroa St., E. J. Fry.
New York—220 W. 19th St., S. J. Graham.
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Foreign:
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INDIVIDUAL SERVICE CO., INC., Easton, Pa.

Industrial & Railroad Supply Co., 327 S. La Salle St., Chicago.
Industrial Air Engineering Co., 310-311 Perry-Payne Bldg., Cleveland, O.
Industrial Brick Wks., Boonville, Ind.
Industrial Bldg. Co., contrs., 757 Beibold, Dayton, O.
Industrial Chem. Co., Massasoit av., Providence, R. I.

INDUSTRIAL CHEMICAL CO., 1414 Fifth av. Bldg., New York, N. Y.

Industrial Chemical Laboratories, 7th & Kirkham, Oakland, Calif.
Industrial Controller Co., 836 Greenbush Ave., Milwaukee, Wis.
Industrial Distilling Co., Waterloo, N. Y.
Industrial Electric Co., generators & battery charging sets, 1215 Santa Fe av., Los Angeles, Calif.
Industrial Engineering Co., 30 Church St., New York.
Industrial Engineering Co., The, 97 Wisconsin St., Milwaukee, Wis.
Industrial Equipment Co., industrial locomotives, Minster, Ohio.
Industrial Filtration Corp., 115 Broadway, New York.
Industrial Foundry Co., cow watering bowls, St. Johns, Mich.
Industrial Furnace Corp., The, 10 P. O. Square, Boston, Mass.
Industrial Glass Co., glass bottles, Lancaster, N. Y.
Industrial Gloves Corp., (Owner of Hickory Steel-Grip Glove Co., Inc.), 1213 Fullerton Ave., Chicago.
Industrial Heater Co., electric heaters, 6 Reade, New York.
Industrial Heating Mfg. Co., The, Citizens Bldg., Cleveland, O.
Industrial Iron Wks., Clinton, Mo.
Industrial Iron Works, machsts. & fndrs., Ludington, Mich., & Union City, Pa.
Industrial Laboratories, Inc., sweeping compounds, Ft. Smith, Ark.
Industrial Lumber Co., Elizabeth, La.
Industrial Machinery Co., 145 W. 45th St., New York.
Industrial Machinery Corp., 147 Provost, Jersey City, N. J.
Industrial Management, The Engineering Magazine, trade publication, 116 W. 32d, New York.
Industrial Mfg. Co., 408 N. Sacramento Ave., Chicago.
Industrial Mfg. Co., machsts.—sewing machines, Camden, N. J.

INDUSTRIAL PLANTS CORP., machy. dirs., 25 Church St., New York.

Industrial Products Co., machsts., 334 N. Irving av., Chicago, Ill.
Industrial Requirements Co., mill & facty. supplies, 2544 Germantown, Philadelphia, Pa.
Industrial Research Co., assayers & research chemists, 28 Belden pl., San Francisco, Calif.
Industrial Rice Mill, Houston, Tex.
Industrial Rubber Corp., The, 131 Harris Ave., Long Island City, N. Y.
Industrial Steel Casting Co., 113 Millard Ave., Toledo, O.
Industrial Steel Corporation, 2704 Greenview Ave., Chicago.
Industrial Supply Co., Keokuk, Ia.
Industrial Supply Co., platers' supplies, 1647 St. Clair av., Cleveland, Ohio.
Industrial Supply Co., railway supplies, 25 Broad, New York.
Industrial Supply Co., Terre Haute, Ind.
Industrial Supply & Equipment Co., The, 4th & Vine sts., Philadelphia, Pa.
Industrial Tape Mills Co., tex. machy., supplies, etc., Trenton & Sergeant, Philadelphia, Pa.
Industrial Testing Laboratory, chemists, 1306 S. Los Angeles, Calif.
Industrial Welding Co., welded products mfrs., 207 Guilford av., Baltimore, Md.
Industrial Wire & Metal Wks., 95 High St., Newark, N. J.

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Sales Mgr.—Benjamin Dixn.
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COLO.—Denver—A. T. Herr Supply Co., U. S. Nat'l Bank Bldg.
ILL.—Chicago—J. C. Bloomfield, 1051 McCormick Bldg.
LA.—New Orleans—J. A. Able, care Woodward Wight & Co.

(Continued on following page)

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St. Louis—J. G. Miller, C. E. Irwin, Security Bldg.
N. Y.—Buffalo—J. H. Welch, 21 Terrace.
New York—George T. Sinks, 50 Church St.
N. C.—Charlotte—American Hdwe. & Equip. Co.
O.—Cleveland—Ridenour, Seaver & Kendig, Caxton Bldg.
ORE.—Portland—E. G. Chandler, Northwest Equip. Co., Northwestern Bank Bldg.
PA.—Philadelphia—W. L. Brown, Franklin Trust Bldg.
Pittsburgh—F. L. Kendig, 609 Chamber of Commerce Bldg.
UTAH—Salt Lake City—M. N. Farr, 27 Richards St.
WASH.—Seattle—Northwestern Equipment Co., Hoge Bldg.

Ingalls & Co., Castleton, N. Y.
Ingalls Iron Works, Inc., 720 av. D., Birmingham, Ala.
Ingalls-Shepard Forging Co., 147th & Page Ave., Harvey, Ill.
Ingalls Stone Company, Bedford, Ind.
Ingel Machine Co., Rochester, N. Y.
Ingemann Co., contractors, 1930 St. Anthony av., St. Paul, Minn.
Ingersoll & Bro., Robt. H., 315 4th Ave., New York
Ingersoll, J. H., & Co., canned goods, Exeter, N. H.

INGERSOLL MILLING MACHINE CO., THE, 603 Fulton Ave., Rockford, Ill.
Cleveland, O.—1279 W. 120th st., W. M. Grove.
Detroit, Mich.—1457 David Whiting Bldg., H. C. Rose, Mgr., Cherry 1606.
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New York—50 Church St., Walter H. Foster Co., Cortland 2117.
San Francisco, Cal.—139-144 Townsend St., Harron, Rickard & McCone, Karny 2240.
London, Eng.—Burton Griffiths.
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Ingersoll, O. W., paint mfrs., 243 Plymouth, Brooklyn, N. Y.

INGERSOLL-RAND CO., 11 Broadway, New York.
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Painted Post, N. Y.
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Phillipsburg, N. J.
Pittsburgh, Pa.—706 Chamber of Commerce Bldg.
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Scranton, Pa.—610 Spruce.
Seattle, Wash.—526 First av. S.
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AFRICA—Seccondee—Gold Coast Machy. & Trading Co.
Johannesburg—Ingersoll-Rand Co. (South Africa, Ltd.), Exploration Bldg.
ARGENTINA—Buenos Aires—Gen. Electric, S. A. Avenida de Mayo 560.
Tucuman—Gen. Electric, S. A., 24 de Setiembre 550.
AUSTRALIA—Kalgoorlie — Ingersoll-Rand (Australia). Proprietary, Ltd., P. O. Box 152.
Melbourne—Ingersoll-Rand (Australia), Proprietary, Ltd., Collins House, 360 Collins.
Sydney, N. S. W.—Ingersoll-Rand (Australia) Proprietary, Ltd., London Bank Chambers, Moorse.
BELGIUM—Brussels—Campagnie Ingersoll-Rand, 19 Rue de la Reine.
BRAZIL—Rio de Janeiro—Ingersoll-Rand Co., Rua Theophilo Ottoni, 35.
BURMA—Rangoon—Irrawaddy Flotilla Co., P. O. Box 129.
CANADA—Cobalt, Ont.—Canadian Ingersoll-Rand Co., Limited.
Montreal, Que.—Canadian Ingersoll-Rand Co., Limited, 260 St. James.
Nelson, B. C.—Canadian Ingersoll-Rand Co., Limited.
Sherbrooke, Que.—Canadian Ingersoll-Rand Co., Limited.
Sydney, N. S.—Canadian Ingersoll-Rand Co., Limited.
Toronto, Ont.—Canadian Ingersoll-Rand Co., Limited, 24 Royal Insurance Bldg.
Vancouver, B. C.—Canadian Ingersoll-Rand Co., Limited, 609 Bank of Nova Scotia Bldg.
Winnipeg, Man.—Canadian Ingersoll-Rand Co., Limited, 603 Union Bank Bldg.
CHILE—Antofagasta—International Machinery Co., Calle San Martin 488.
Iquique—Nitrate Agencies Co.
Santiago—International Machinery Co., Calle Morande 530.
Valparaiso—International Machinery Co., Plaza Sotomayor 5.
CHINA—Hongkong—Jardine Engineering Co., Ltd.
Shanghai—American Trading Co., 42 Kiangse rd.
COLOMBIA—Barranquilla—Apartado 6.
CUBA—Havana—Zaldo, Martinez y Cia, Mereaderes No. 4.
DENMARK—Copenhagen.
ENGLAND—London, E. C. 4—Ingersoll-Rand Co., Ltd., 165 Queen Victoria.
Manchester—Ingersoll-Rand Co., Ltd., 196 Deansgate.
FRANCE—Paris—Campagnie Ingersoll-Rand, 33 Rue Reaumur.
GERMANY—Dusseldorff—Sturm and Vitanyi, Oststrasse 128-132 Concordiahaus.
HAWAII—T. H.—Honolulu—Honolulu Iron Works Co., Catton Neill & Co., Ltd.
HOLLAND—Amsterdam—Lindeteves-Stokvis.
HUNGARY—Budapest—"Barbara" Ferenez Josef-Rakpart 17.
INDIA—Bombay—Ingersoll-Rand (India), Ltd., P. O. Box 468.
Calcutta—Ingersoll-Rand (India), Ltd., P. O. Box 2307.
ITALY—Milan—Nicola Romeo & Co., No. 6 Via Paleoscapa.
JAPAN—Kobe—American Trading Co.
Tokio—American Trading Co.
MEXICO—Mexico City, D. F.—Ingersoll-Rand Co., of Texas, 208 Edificio La Mutua.
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BATAVIA—Lindeteves-Stokvis.
NORWAY—Christiania—K. Lund & Co., Dronningensgate 4.
PERU—Lima—Calle Merced 620.
P. I.—Manila—Catton Neill Engr. & Machy. Co.
SCOTLAND—Glasgow—Ingersoll-Rand Co., Ltd., 20 Renfrew.
SPAIN—Madrid—Campagnie Ingersoll-Rand, Apartado No. 518.
SWEDEN—Stockholm—3 Amerikanska, Gummi A. B.

Ingersoll Redipoint Co., Inc., 461 4th Ave., New York.
Ingersoll Shingle Mfg. Co., Shelton, Wash.
Ingersoll Stouffer Engng. Co., Marshalltown, Iowa.
Ingerson & Glaser Co., stained glass, 1739 Sacramento, San Francisco, Calif.
Ingham Lumber Co., Scarritt Bldg., Kansas City, Mo.
Ingle Bros. Broom Corn Grain & Supply Co., 17th & Charlotte, Kansas City, Mo.
Ingle Machine Co., see Consolidated Machine Tool Corp. of Amer. (successors).

INGLE MFG. CO., oil burning systems, burners, furnaces, etc., 643-49 G., San Diego, Calif.
Inglis Wire & Iron Works, Wm., 960 Harper av., Detroit, Mich.
Ingold, F. B., masons' & bldrs.' matls., Hickory, N. C.
Ingomar Lumber Co., 526 Federal, Pittsburgh, Pa.
Ingot Iron Railway Products Co., 1236 Peoples Gas Bldg., Chicago.
Ingraham, A. S., Co., plating works, Attleboro, Mass.
Ingraham Co., E., (Clocks & Watches) Bristol, Conn.
Ingraham, George Hunt, architect, 1127 Guardian Bldg., Cleveland, Ohio.
Ingraham, George Hunt, architect, 4 Bryant, Boston, Mass.
Ingraham, J. F., Jr., leather, Peabody, Mass.
Ingraham Waste & Supply Co., mill & facty. supplies, 1240 W. 4th, Cleveland, Ohio.
Ingram, A. P., lbr., Lewes, Del.
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Ingram, J. D., lbr., McBee, S. C.

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Ingram, W. T., Jeffersonville, Ind.

INK RIBBON MFG. CO., typewriter ribbon & carbon paper, 635 Howard, San Francisco, Calif.
Inkograph Co., Inc., 670-6th Ave., New York.
Inlaid Floor Co., mfrs. of ornamental floors, interior woodwork, grills & weather strips, 600 Alabama, San Francisco, & 4067 Watts, Emeryville, Calif.
Inland Slate Company, Pen Argyle, Pa.
Inland Casket Co., N. 2320 Atlantic, Spokane, Wash.
Inland Coal Co., bituminous, Greensburg, Pa.
Inland Crystal Salt Co., Salt Lake City, Utah
Inland Delray Salt Co., Murphy Bldg., Detroit, Mich.
Inland Elec. Co., 211 Chestnut, St. Louis, Mo.
Inland Electric Co., 16 S. Wells St., Chicago.
Inland Empire Paper Co., Spokane, Wash.
Inland Engineering Co., 28 E. Jackson St., Chicago.
Inland Fixture Co., show cases, N. 2924 Martin, Spokane, Wash.
Inland Glass Co., 6101 W. 65th St., Chicago.
Inland Iron Co., mill & facty. supplies & whol. hdwe., Fresno, Calif.
Inland Knitting Works, Knitted Gloves, Green Bay, Wis.
Inland Machine Works, 17th and Locust St., St. Louis, Mo.
Inland Mall. Iron & Steel Co., Terre Haute, Ind.
Inland Malleable Iron & Steel Co., see Terre Haute Malleable & Mfg. Co. (successor).
Inland Mfg. Co., ladders & wheelbarrows, Minnesota av., Fresno, Calif.
Inland Paper Box Co., 1624 Blake St., Denver, Colo.
Inland Printer, trade publication, 632 Sherman, Chicago, Ill.
Inland Products Co., piston pins, 4515 Shaw, St. Louis, Mo.
Inland Refining Co., Tulsa, Okla.

INLAND STEEL COMPANY, 38 S. Dearborn St., Chicago.
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Pres.—P. D. Block.
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1st V. P.—E. M. Adams.
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Milwaukee, Wis. — San Francisco, Cal.
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Inland Supply Co., mill & facty. & plbrs.' supplies, Danville, Ill.
Inland Tent & Awning, 236 Sprague, Spokane, Wash.
Inland White Lead Co., 741-747 Boston Ave., Chicago.
Inman Box Co., pckg. box mfrs., 2d & Delaware, Kansas City, Mo.
Inman Mfg. Co., Inc., (Paper) Amsterdam, N. Y.
Inman Mills, cotton sheetings, Inman, S. C.
Inman-Poulsen & Co., Ft. of Carothers, Portland, Ore.
Inman Tile Co., common brick, Millgrove, Ind.
Inner Braced Furniture Co., desks, Elkhart, Ind.
Innes & Co., Congo gum, 132 Front, New York.
Innis, Speiden & Co., 46 Cliff St., New York.
Innovation Electric Co., 587 Hudson, New York.
Innovation Trunk Co., 329 5th Ave., New York.
Insecticide Co., Phelan Bldg., San Francisco, Calif.
Insinger Company, The, 4655 Stenton Ave., Philadelphia, Pa.
Inskeep Mfg. Co., gloves, Washington, Ohio.
Insley & Mitchell, canned goods, Salisbury, Md.
Insley, G. C., canned goods, Lakeside, Md.
Insley Mfg. Co., E. St. Clair & Olney Sts., Indianapolis, Ind.
Instantaneous Glue Converter Co., glue heaters, 3752 Montgomery av., Norwood, Cincinnati, Ohio.
Instantaneous Water Htg. Co., Kalamazoo, Mich.
Insto Co., soap & soap powder, 110 Center, Los Angeles, Calif.
Insular Lbr. Co., 8 W. 40th, New York.
Insulatine Co., wax insulating compounds, 1 Broadway, New York.
Insulating Materials Co., 5133 Wesson st., Detroit, Mich.
Insulating Products Co., Kalamazoo, Mich.
Insulation Co., Inc., insulating, fireproofing & waterproofing compounds, 190 Culver av., Jersey City, N. J.
Insulite Chemical Co., waterproof mtls., Aurora, Ill.
Insulite Products Co., Inc., flooring & waterproofing materials, 240 Salmon, Portland, Ore.
Insurance Fdry. Co., Covington, Ky.
Insurance Packing Mills, case linings, Brockton, Mass.
Integral Waterproofing Co., cement waterproofing material, 80 First, New York.
Interboro Medal & Badge Co., 16 Maiden Lane, New York.
Interborough Plumbing Supply Co., 3923 3d av., New York.
Interborough Sash & Door Co., 352 Junius, Brooklyn, N. Y.
Interior Lumber Co., Keenan Bldg., Pittsburgh, Pa.
Interior Woodwork Co., 521-3 Park St., Milwaukee, Wis.
Interlaced Parquetry Co., parquet floors, 423 W. 126th, New York.
Inter-Lake Pulp & Paper Co., The, Appleton, Wis.
Interlaken Mills, Turks Head Bldg., Providence, R. I.
Interlocking Cement Tile Co., 82 9th st., Oakland, Calif.
Interlocking Fence Co., Morton, Ill.
Intermountain Bridge & Constr. Co., Tecumseh, Neb.
Intermountain Concrete Co., contrs., cement silos, water tanks, etc., Ogden, Utah.
Inter-Mountain Electric Co., Salt Lake City, Utah.
International Agricultural Corp., fertilizer mfrs., Mutual Life Bldg., Buffalo, New York.
International Art Publishing Co., 1201 Race, Philadelphia, Pa.
International Automobile Association, Muncie, Ind.
International Baling & Binding Co., 141 W. Ohio St., Chicago, Ill.
International Bank Book Co., 212 W. Austin, Ave., Chicago.
International Battery Co., 39 Wooster, New York.
International Battery Co., 113 Lewis N. W., Grand Rapids, Mich.
International Bedding Co., mattresses, Guilford & Charles av., Baltimore, Md.
International Boiler Cleaning Co., 341-343 N. Calvert St., Baltimore, Md.
International Boiler Compound Co., 2729 Quinn St., Chicago.
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International Brick Mach. Co., Binghamton, N. Y.
International Bureau of Supplies, Woolworth Bldg., New York.
International Button Co., Rochester, N. Y.
International Car Co., 1304 First Natl. Bank Bldg., Chicago.
International Carbon Paper Co., 100 Grand, New York.
International Casement Co., window frame & sash, Jamestown, N. Y.
International Chemical Co., Camden, N. J.
International Chemical Co., 3140 S. Canal St., Chicago.
International Chemical Co., Mascher St., below Lehigh Ave., Philadelphia, Pa.
International Chemical Product Co., 330 Winston av., Los Angeles, Calif.
International Cigar Machy. Co., 5520 2d av., Brooklyn, N. Y.
International Clay Machy. Co., Bohlander & C. H. & D., Dayton, O.
International Compositions Co., Inc., 25 Park Pl., New York.
International Conveyor Corp., 949 Broadway, New York.
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International Cork Co., 99 Sutton, Brooklyn, N. Y.
International Cotton Mills, 24 Federal St., Boston 9, Mass.

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International Edge-Tool Co., The, 43 S. 6th St., Newark, N. J.

International Electric Co., 211 S. McCrea St., Indianapolis, Ind.
International Elec. Mfg. Co., melting pots, Indianapolis, Ind.
International Engineering Corp., Malden, Mass.
International Engineering Works, Inc., Framingham, Mass.
International Equipment Co., 352 Western Ave., Boston, Mass.

INTERNATIONAL FILTER CO., (Office and Works) 333 W. 25th Pl., Chicago.
Los Angeles, Cal.—707 Terminal Sales Bldg.
New York—1006 Woodworth Bldg.
Pittsburgh, Pa.—208 Arrot Bldg.
San Francisco, Cal.—619 Monadnock Bldg.
Toronto, Ont., Can.—Confederation Life Bldg., Canadian International Filter Co., Ltd.

International Floor Machine Co., 149 W. 36th St., New York.
International Fdry., 6601 Morgan av., Cleveland, Ohio.
International Glass Co., Millville, N. J.
International Glue Co., 325 Marginal St., East Boston, Mass.
International Harness Machinery Co., Broadway & Gilbert Ave. Viaduct, Cincinnati, O.

INTERNATIONAL HARVESTER COMPANY OF AMERICA, INC., 606 S. Michigan Ave., Chicago.
Ninety-three branch houses located in all principal cities and all important implement transfer points in the United States.

International Heater Co., Utica, N. Y.
International Heater Co., 1933 Wentworth Ave., Chicago.
International Heating Co., furnaces, 1003 S. Hill, Los Angeles, Calif.
International High Speed Steel Co., 294 Lafayette St., New York.
International Instrument Co., 23 Church, Cambridge, Mass.
International Insulating Corp., 25 W. 45th St., New York.
International Insulation Co., Minneapolis, Minn. (See Minnesota & Ontario Paper Co., International Falls, Minn.)
International Lead Refining Co., pig lead, East Chicago, Ind.
International Lime Co., Sumas, Wash.
International Lbr. Co., Builders' Exchange, Minneapolis, Minn.
International Lumber Co. (General Sales Office), 111 W. Washington Blvd., Chicago.
International Lumber Co., N. W. Bk. Bldg., Portland, Ore.
International Lumber Corp., (Yellow Pine Lbr.) 20 W. 34th St., New York.
International Machine Tool Co., W. 21st St. & Belt Ry., Indianapolis, Ind.
International Mailing Tube Co., 212 Concord St., Brooklyn, N. Y.
International Marine Planer, Inc., Jacksonville, Fla.
International Metal Hose Co., Inc., 10709 Quincy Ave., Cleveland, O.
International Metal Polish Co., Quill St. & Belt R. R., Indianapolis, Ind.
International Metal Reclaiming Corp., 220 Broadway, New York.
International Metal Stamping Co., Artillery, Detroit, Mich.
International Mfg. Co., see Burch Plow Co. (successors).
International Mica Co., 1228 Filbert St., Philadelphia, Pa.
International Mill & Timber Co., Bay City, Mich.
International Milling Co. (wheat), New Prague, Minn.
International Minerals & Metals Corp., 61 Broadway, New York.
International Molding Mach. Co., 2616 W. 16th St., Chicago.
International Money Machine Co., Reading, Pa.

INTERNATIONAL MOTOR COMPANY, 25 Broadway, New York.

International Motor Co., 1609 Lehigh st., Allentown, Pa.

INTERNATIONAL NICKEL CO., THE, 67 Wall St., New York.
Distributors:
CAL.—San Francisco—Pacific Foundry Co., Harrison & 18th Sts.
GA.—Atlanta—J. M. Tull Rubber & Sup. Co., 150 Marietta St.
ILL.—Chicago—Steel Sales Corp., 129 S. Jefferson St.
LA.—New Orleans—Edward Schwartz Mill Sup. Co., Inc., 520 Toulouse St.
MASS.—Boston—Whitehead Metal Products Co., 67 Washington St.
MICH.—Detroit—Steel Sales Corp., 843 Book Bldg.
N. J.—Newark—Whitehead Metal Prod. Co. of N. Y., Inc., 215 Frelinghuysen Ave.
N. Y.—New York—Whitehead Metal Prod. Co. of N. Y., Inc., 261 Canal St.
PA.—Philadelphia—Whitehead Metal Prod. Co. of N. Y., Inc., 725 Arch St.
Pittsburgh—Williams & Co., Inc., 901 Pennsylvania Ave.
WASH.—Seattle—Eagle Brass Fdry. Co., 21 Spokane St.
Foreign:
CAN.—Montreal, Que.—Robert W. Bartram, 129 Duke St.
Toronto, Ont.—Peckover's, Ltd., Ft. of W. Market St.
SCOTLAND—Glasgow—G. & J. Weir, Ltd., Cathcart.
SOUTH AFRICA — Johannesburg — South African General Elec. Co.

International Ores & Metals Selling Corp., 25 Broad St., New York.
International Oxygen Co., 796 Frelinghuysen Ave., Newark, N. J.
International Package Co., Inc., barrels, containers & drums, 19 Moore, New York.

INTERNATIONAL PAINT CORP., 13th St. & Southern Ry., East St. Louis, Ill.
Pres.—Robert. Meyer.
Secy. & Treas.—H. J. McRoberts.
Gen. Mgr.—Geo. B. Dunford.

International Paper Box Machine Co., Nashua, N. H.
International Paper Co., 100 E. 42nd st., New York.

INTERNATIONAL PERMOID CORP., 6800 Grant av., Cleveland, O.

International Portland Cement Co., Irwin, Spokane, Wash.
International Postal Supply Co., 634 Prospect Pl., Brooklyn, N. Y.
International Pottery Co., Canal S. of Front St., Trenton, N. J.
International Process Co., digesters, paper & pulp mill machy., 42 Broadway, New York.
International Products Co., paint, 272 W. Genesee, Buffalo, N. Y.
International Provision Co., 33 Degraw, Brooklyn, N. Y.
International Pulp Company, 41 Park Row, New York.
International Radio Corp., 48 Branford Pl., Newark, N. J.
International Register Co., The, 15 S. Throop St., Chicago.
International Rice Mills Co., Eagle Lake, Tex.
International Roll Paper Co., North Manchester, Ind.
International Safety Razor Corp., Bloomfield, N. J.
International Sales Corp., htg. supplies, 557 4th, San Francisco, Calif.
International Salt Co. of New York, 2 Rector St., New York.
International Salt Co., Scr. Life Bldg., Scranton, Pa.
International Sanitary Hover Co., incubators, 411 Washington, St. Louis, Mo.
International Scale Co., Dayton, Ohio.
International Seal and Knot Protector Co., 109 Spring St., New York.

INTERNATIONAL SEAL & LOCK CO. (Tyden Car Seal), Hastings, Mich.
Pres. & Gen. Mgr.—E. Tyden, Hastings, Mich.
Chicago—617 Railway Exchange, Chas. J. Webb, Vice President and Sales Manager.
Denver, Colo.—512 Equitable Bldg., F. C. Webb General Western Representative.
International Seal & Lock Co., Hastings, Mich.
International Seed Co., Rochester, N. Y.
International Shipbldg. & Marine Engng. Corp., Nyack, N. Y.
International Shoe Heel Corp., Wilmington, Del.
International Signal Co., The, Grand Central Terminal, New York.
International Silica Co., Cairo, Ill.
International Silo Co., Linesville, Pa.
International Silver Co., Meriden, Conn.
International Slate Co., Slatington, Pa.
International Specialties Co., window cleaners, Palson Bldg., Seattle, Wash.
International Sprinkler Co., 123 William St., New York
International Stamping Co., auto tire holders, 400 N. Leavitt, Chicago, Ill.
International Steel & Iron Co., Inc., 1243 Edgar st., Evansville, Ind.
International Steel Products Co., Hartford, Wis.
International Steel Tie Co., The, 16702 Waterloo Road, Cleveland, O.
International Sugar Feed Co., 15 av. S. E. & Rollins, Minneapolis, Minn.
International Supply Co., soap makers, Second & Bent, Cambridge, Mass.
International Tag Co., 319 N. Whipple St., Chicago.
International Taximeter Co., 239 W. 63th, New York.
International Ticket Co., calendars, etc., 50 Grafton av., Newark, N. J.
International Time Recording Co. of New York, New York.
International Time Recording Co., self-winding clocks, Endicott, N. Y.
International Trade Press, Inc., publications, Monadnock Bldg., Chicago, Ill.
International Typewriter Exchange, 186 W. Lake St., Chicago.
International Ultramarine Wks., ultramarine blues, 542 Pearl st., New York.
International Vegetable Oil Co., Atlanta, Ga.
Inter-Ocean Cabinet Co., 322-326 S. Paulina St., Chicago
Interocean Oil Co., The, 90 West St., New York.
Interstate Boiler Works, 14th & Quinby sts., Portland, Ore.
Interstate Bottle Stopper Co., 168 39th, Brooklyn, N. Y.
Interstate Brass & Copper Co., 15 N. Peoria St., Chicago.
Interstate Bridge Forge & Mfg. Co., mine cars, hoisting machy., railing cranes, trucks, etc., 721 Broad st., Newark, N. J.
Interstate Building Material Co., Union City, Ind.
Inter-State Car Co., Massachusetts & Brightwood Aves., Indianapolis, Ind.
Interstate Chemical Co., 657 Garfield Ave., Jersey, City.
Interstate Construction Co., Chamber of Commerce Bldg., Portland, Ore.
Interstate Constr. Co., Inc., 334 Westminster, Providence, R. I.
Interstate Cooperage Co., 56 New, New York.
Inter-State Cornice Wks., Sioux City, Iowa.
Interstate Corrugated Box Co., 2026 Pacific St. Brooklyn, N. Y.
Interstate Drop Forge Company, 1800 27th, Milwaukee, Wis.
Interstate Electric Co., New Orleans, La.
Interstate Electric Novelty Co., Brooklyn, N. Y. (Now Frantz Electric Novelty Co.)
Inter-State Engine & Tractor Co., farm implements, Waterloo, Iowa.
Interstate Equipment Co., 1703 Ernsperger st., South Bend, Ind.
Interstate Equipment Corp., 26 Cortland St., New York.
Interstate Equipment Corp., Norfolk, Va.
Interstate Fire Clay Co., Citizens Bldg., Cleveland, O.
Interstate Foundry Co., 3161 E. 61st St., Cleveland, O.
Interstate Hdwe. & Sup. Co., Bristol, Tenn.

INTERSTATE IRON & STEEL CO., 104 S. Michigan Ave., Chicago.
Pres.—Silas J. Llewellyn.
Vice Pres. & Treas.—George F. Davis.
Vice Pres.—Paul Llewellyn.
Sec.—Justin E. Russell.
Sales Mgrs.—R. S. LeBarre, G. S. M., Alloy Division, Paul Llewellyn, G. S. M. Bar Division, A. T. Weaver, G. S. M. Wire Products Division.
Cincinnati, O.—515 Mercantile Library Bldg., J. S. Morris.
Denver, Colo.—Colorado Bank Bldg., Duncan Bond & Co.
Detroit, Mich.—Ford Bldg., F. W. Guibert, A. D. McAdams, Quigley & Jenkins, Inc.
Ft. Worth, Tex.—410 Burkburnett Bldg., Barney Smith.
Kansas City, Mo.—Reliance Bldg., L. F. Newton.
Milwaukee, Wis.—First Wisc. Natl. Bank Bldg., A. R. Jones, N. E. Nelson.
New York—52 Vanderbilt Ave., H. S. Schroeder.
Portland, Ore.—704 Board of Trade Bldg., I. H. Amos Co.
Rockford, Ill.—1239 E. State St., J. W. Lamont.
St. Louis, Mo.—1108 International Life Bldg., F. O. Johnston.
St. Paul, Minn.—Merchants Natl. Bank Bldg., P. J. Kalman Co., R. W. Wentworth.
Salt Lake City, Utah—301 Dooley Bldg., C. H. Jones Co.
San Francisco, Cal.—16 California St., A. J. Boyce.
Interstate Limestone Co., Youngstown, Ohio.
Interstate Lumber Co., 1210 Chemical Bldg., St. Louis, Mo.
Inter-State Machine Products Co., Inc., 56 Allen St., Rochester, N. Y.
Interstate Machinery Co., Troy, N. Y.
Interstate Motor Co., Muncie, Ind.
Interstate Packing Co., meat, Winona, Minn.
Interstate Pipe Co., Oliver Bldg., Pittsburgh, Pa.
Inter-State Plastering Co., 1515 Ford Bldg., Detroit, Mich.
Inter-State Roofing & Foundry Co., Anniston, Ala.
Interstate Safety Appliance Co., Inc., The, Norristown, Pa.
Interstate Shade Cloth Co., Hoboken, N. J.
Interstate Stone Co., Lima, Ohio.
Interstate Supply Co., 1027 Mayo Bldg., Tulsa, Okla.
Interstate Tractor Co., gas engines, Waterloo, Iowa.
Intertype Corp., typesetting machines, 50 Court, Brooklyn, N. Y.
Introstile Mfg. Co., nail boxes, twine holders, Marietta, Ohio.
Invader Oil Co., graphite lubricants & greases, 342 Madison av., New York.
Inverness Mills Co., cotton sheetings, N. Winston, Winston-Salem, N. C.
Investor Specialty Co., Albany & Grand Ave., Chicago.
Invincible Blow Pipe Co., 1822 N. Lamon Ave., Chicago.
Invincible Grain Cleaner Co., grain cleaning machy., Silver Creek, N. Y.
Invincible Metal Furniture Co., Manitowoc, Wis.
Invincible Vacuum Cleaner Mfg. Co., Dover, O.
Inyo Chemical Co., potash, borax, etc., Santa Fe Bldg., San Francisco, Calif.
Inyo Marble Co. of Cal., Hibernian Bldg., Los Angeles, Calif.
Iola Brick Co., Iola, Kan.
Iola Zinc Co., Iola, Kan.
Iona Ventilator Co., 2819 Dauphny, Philadelphia, Pa.
Ione Firebrick Co., Rialto Bldg., San Francisco, Calif.
Ionia Pottery Co., Ionia, Mich.
Iowa Boiler Works, Des Moines, Iowa.
Iowa Brass Fdry., Waterloo, Iowa.
Iowa Bridge Co., Des Moines, Ia.
Iowa Builders' Supply Co., 730H Higley Bldg., Cedar Rapids, Iowa.
Iowa Canning Co., Vinton, Ia.
Iowa City Canning Co., Iowa City, Ia.
Iowa City Iron Wks., mill & facty. supplies, Iowa City, Ia.
Iowa Clay Products Co., bldg. tile, Washington, Ia.
Iowa Coffin Co., Dubuque, Ia.
Iowa Contr. & Engng. Co., Davenport, Ia.
Iowa Electrical Supply Co., Des Moines, Ia.
Iowa Fibre Box Co., Keokuk, Ia.
Iowa Fdry. Co., Sioux City, Ia.
Iowa Foundry & Mfg. Co., Fort Dodge, Ia.
Iowa Gasoline Engine Co., Waterloo, Ia.

IOWA GATE CO., Cedar Falls, Iowa.
Pres. & Gen. Mgr.—Jos. B. Clay.
V. P.—C. J. Wild.
Secy.—John H. Meyer.

Iowa Machinery & Supply Co., Des Mones, Ia.
Iowa Machinery Works, Clinton, Ia.
Iowa Malleable Iron Co., W. Kirkwood St., Fairfield, Ia.
Iowa Motor Truck Co., Ottumwa, Ia.
Iowa Oil Co., Dubuque, Ia.
Iowa Packing Co., meats, Des Moines, Ia.
Iowa Paint Mfg. Co., truck units, Fort Dodge, Ia.
Iowa Pipe & Tile Co., Des Moines, Ia.
Iowa Pure Iron Culvert Co., Des Moines, Ia.
Iowa Sand & Gravel Co., Oskaloosa, Ia.
Iowa Soap Co., Inc., 810-822 Valley St., Burlington, Ia.
Iowa Soda Products Co., Council Bluffs, Ia.
Iowa Spreader & Engine Co., Waterloo, Ia.
Iowa Steel & Iron Wks., Inc., Cedar Rapids, Ia.
Iowa Stone Co., Cedar Rapids, Ia.
Iowa Sugar Co., Waverly, Ia.
Iowa Tank & Silo Co., silos & fixtures, Waterloo, Ia.
Iowa Valley Canning Co., Marengo, Ia.
Iowa Valve Co., Oskaloosa, Ia.
Iowa Windmill & Pump Co., Cedar Rapids, Ia.
Ira Lee Suction Cleaner Corp., vacuum cleaners, Royal Oak, Mich.
Ireland & Helfrich, agricultural implements, Spencerport, N. Y.
Ireland & Mathews Mfg. Co., Beard & Chatfield, Detroit, Mich.
Ireland & Rollings, sashes, doors & blinds contr., Fort Scott, Kans.
Ireland Machine & Fdry. Co., Inc., 11 State St., Norwich, N. Y.
Ireland Mfg. Co., machinery, Washington C. H., Ohio.
Ireland, Robt. D., & Co., elec. fix., 278 Boylston, Boston, Mass.
Ireland, W. H., stone producers, Colnl. Tr. pl., Philadelphia, Pa.
Irene Mills, towels, damasks, cotton, Gaffney, S. C.
Ireson, Chas. L., Inc., 221 High St., Boston, Mass.
Irey, John H., cement silos & block molds, West Liberty, Ia.
Irish Bros. & Co., Buckfield, Me.
Irish Co., W. F., 48 Dey St., New York.
Irish Paper Co., Geo., 21 River St., Buffalo, N. Y.

IRON & STEEL CONTRACTING CO., steam boilers, tanks, 215 San Bruno av., San Francisco, Calif.
Iron & Steel Products Co., machsts.' tools & mill supplies, 221 E. 25th st., Chicago, Ill.
Iron Age Pub. Co., 239 W. 39th St., New York.
Iron Boiler Wks., Ironton, O.
Iron City Brick & Stone Co., Stanton & McCandless, Pittsburgh, Pa.
Iron City Electric Co., 4627 Baum, Pittsburgh, Pa.
Iron City Foundry Co., Lebanon, Pa.
Iron City Grate Bar Co., Warren, Ohio.
Iron City Heating Co., 843 Jackson St., Pittsburgh, Pa.
Iron City Lumber Co., Jefferson Co. Bk. Bldg., Birmingham, Ala.
Iron City Oil & Varnish Co., Inwood & Frankstown, Pittsburgh, Pa.
Iron City Pipe & Fdry. Co., 2129-3rd Ave., Birmingham, Ala.
Iron City Roofing Co., cornices & skylights, 6943 Frankstown av., Pittsburgh, Pa.
Iron City Sand Co., Bessemer Bldg., Pittsburgh, Pa.
Iron City Sanitary Mfg. Co., Oliver Bldg., Pittsburgh, Pa.
Iron City Spring Co., 2120 Smallman St., Pittsburgh, Pa.
Iron City Stone & Constr. Co., Wilkinsburg, Pa.
Iron City Stove & Fdry. Co., grey iron castings, Bristol, Va.
Iron City Tool Works, Ltd., 3201 Smallman St., Pittsburgh, Pa.
Iron Clad Mfg. Co., waste cans, 178 Cook, Brooklyn, N. Y.
Iron Clad Ribbon & Carbon Co., 100 Grand St., New York.
Iron Clay Brick Co., Ruggery Bldg., Columbus, O.
Iron Crib & Bin Co., Wooster, Ohio.

Iron Hydroxide Co., Philadelphia, Pa.
Iron King Overall Co., 207 W. Camden, Baltimore, Md.
Iron Ledge Co., contrs., 320 North av., Bridgeport, Conn.
Iron Mountain Co., 939-1011 E. 95th St., Chicago.
Iron Ore Corp., mineral imps., 11 Broadway, New York.
Iron Products Co., sheet metals, stamping, Columbus, O.
Iron Ridge Canning Co., Iron Ridge, Wis.
Iron Spec. Co., junction boxes, 2098 3d av., New York.
Iron Trade Products Co., Farmers Bank Bldg., Pittsburgh, Pa.
Iron Trade Review, trade publication, 1213 W. 3d, Cleveland, Ohio.
Ironall Factories Co., Powers Bldg., Cincinnati, Ohio.
Ironbound Hdwe. & Supply House, 228 Ferry, Newark, N. J.
Irondequoit Coal & Supply Co., masons' & bldrs.' matls., Irondequoit, N. Y.
Ironite Co., 111 W. Washington St., Chicago.
Ironite Paint & Varnish Co., 2485 Hunter, Los Angeles, Calif.

IRONMONGER ADV. AGENCY, THE C., 23 E. 26th St., New York.

Ironsides Co., 397 S. Broad St., Columbus, O.
Ironsides Pottery Co., sanitary earthenware, Bordentown, N. J.
Ironton Cross Tie Co., Ironton, Ohio.
Ironton Engine Co., Ironton, O.
Ironton Fire Brick Co., Ironton, Ohio.
Ironton Incandescent Light & Supply Co., gas stoves, Ironton, Ohio.
Ironton Lumber Co., Ironton, Ohio.
Ironton Portland Cement Co., Ironton, O
Ironton Punch & Shear Co., The, 511 N. Second St. Ironton, O.
Ironton Roofing & Corrugating Co., Ironton, Ohio.
Ironton Wood Mantel Co., Ironton, O.
Iroquois Bag Co., 467 Howard St., Buffalo, N. Y.
Iroquois Canning Co., Onargo, Ill.
Iroquois China Co., Milton Ave., Syracuse, N. Y.
Iroquois China Co., Solvay, N. Y.
Iroquois Door Co., 629 Exchange, Buffalo, N. Y.
Iroquois Mfg. Co., Euclid & E. 65th St., Cleveland, O.
Iroquois Nipple Wks., iron pipe nipples, 306 Genesee, Buffalo, N. Y.
Iroquois Pearl Button Co., Amsterdam, N. Y.
Iroquois Plumbing Supply Corp., 194 Main St., Buffalo, N. Y.
Iroquois Pulp & Paper Co., Thomson, N. Y.
Iroquois Tool & Stamping Corp., 907-915 Genesee St., Buffalo, N. Y.
Irrigation Supply Co., see Bingham Pump Co. (successor).
Irvin Co., Alex H., Carwensville, Pa.
Irvin, Jewell & Vinson Co., plate glass, paint mfrs., Dayton, Ohio.
Irvin, R. J., Mfg. Co., auto windshields, Indianapolis, Ind.
Irvine & Jachens, badges & emblems, 1027 Market, San Francisco, Calif.
Irvine & Muir Lbr. Co., Willits, Cal.
Irvine, Robt. C., lumber, Hollidaysburg, Pa.
Irving & Casson, wood mantels, 573 Boylston, Boston, Mass.
Irving Cut Glass Co., Honesdale, Pa.
Irving Iron Works Co., Long Island City, N. Y.
Irving, J. S., masons' & bldrs.' matls., Westfield, N. J.
Irving Mfg. Co., crinoline, book cloth, 23 Jersey, New Brighton, S. I., N. Y.
Irving Mfg. & Tool Co., 157 Chambers, New York.
Irving, Newell, Constr. Co., Watervliet, N. Y.
Irving-Pitt Mfg. Co., 802 Locust St., Kansas City, Mo.

IRVING, ROBERT M., hack saws, forgings, T squares, etc., 310 E. Genesee st., Syracuse, N. Y.

Irvington Machine Works, saws, 375 E. 6th N., Portland, Ore.
Irvington Mfg. Co., 124 Colt St., Irvington, N. J.
Irvington Mill & Elevator Co., Irvington, Ky.
Irvington Packing Co., canned goods, Irvington, Va.
Irvington Smelting & Refining Wks., 374 Nye Ave., Irvington, N. J.
Irvington Varnish & Insulator Co., Tremont Terminal, Irvington, N. J.
Irvona Coal & Coke Co., bituminous, Rosebud, Pa.
Irwin & Leighton, contractors, 126 N. 12th, Philadelphia, Pa.
Irwin Auger Bit Co., Wilmington, O.
Irwin Fdry. & Mine Car Co., Irwin, Pa.
Irwin Fuel Co., coke mfrs. & coal mines, Latrobe, Pa.
Irwin Gas Coal Co., bituminous, Greensburg, Pa.
Irwin, Geo. C., & Co., contrs., 96 W. Brookline, Boston, Mass.
Irwin, H. C., masons' & bldrs.' matls., Springfield, Ill.
Irwin-Hodson Co., signs, buttons, etc., 115 N. 15th, Portland, Ore.
Irwin, Jno. W. (Est. of), lbr. mfrs., Goshen, Ind.
Irwin Mfg. Co., clothes washing machs., Front & Pike, Cincinnati, Ohio.
Irwin, Paul W., architect, Renshaw Bldg., Pittsburgh, Pa.
Irwin, R. J., machinist, Steubenville, Ohio.
Isaac Bros., loose leaf binders, 425 S. Wall, Los Angeles, Calif.
Isaac, Hyman, Sons Co., scrap iron & steel, Elizabeth, N. J.
Isaacs & Co., S., 100 William St., New York.
Isaacs, A., & Co., sponges & chamois imp., 58 Beekman, New York.
Isaacs, R. D., & Son, contractors, Wilkes-Barre, Pa.
Isaacson Co., Iron Works, Ft. of King St., Seattle, Wash.
Isaacson Iron Works, 2917 E. Marginal Way, Seattle, Wash.
Isaacson, L. G., Co., mill & facty. supplies, wholesale hdwe., Aberdeen, Wash.
Isabell Constr. Co., 2212 F, Fresno, Calif.
Isbell, J. A., wood handles, Baxter, Tenn.
Isbell-Porter Co., 46 Bridge St., Newark, N. J.
Isco-Bauty Co., Inc., Murphysboro, Ill.
Isco-Bautz Co., silica, 46 Cliff, New York.
Isco Chemical Co., chemical mfrs., 46 Cliff, N. Y.
Isco Chemical Co., Niagara Falls, N. Y.
Isecovitz, Morris, scrap iron & steel, Reading, Pa.
Isely, Samuel, contractor, Monroe, Wis.
Isenberg Bedding Co., mattresses, 11 Thatcher av., Wilmington, Del.
Isenberg Bros., contrs., Baraboo, Wis.
Isensee, Wm., & Co., machsts. & fndrs., 49 N. 1st, Portland, Ore.
Isham Hdwe. Co., whol. hdwe., Burlington, Vt.
Isham, Phillips, pig iron & coke dlrs., 30 Church st., New York.
Isherwood Stove Co., whol. hdwe., 108 N. 14th, Portland, Ore.
Ising, C. E., Corp., chemicals, 61 Bradford av., New York.
Isko Co., elec. refrigerating machinery, 2525 Clybourn av., Chicago, Ill.
Isko, Inc., 4th Floor Penobscot Bldg., Detroit, Mich.
Island Box Co., packing, Haverhill, Mass.
Island Creek Coal Co., Holden, W. Va.
Island Lake Lbr. Co., Northome, Minn.
Island Mfg. Co., lumber, Couperville, Wash.
Island Mill Lbr. Co., Alpena, Mich.
Island Paper Co., Carthage, N. Y., & Menasha, Wis.
Island Petroleum Co., Bessemer Bldg., Pittsburgh, Pa.
Isley Lbr. Co., Tacoma, Wash.
Isolated Plant Publish. Co., trade, 280 Madison av., New York.
Israel Bros. Iron & Metal Co., 112 Dutoit St., Dayton, O.
Isseks, David, (Wood Tanks), 96 Mangin St., New York.
Iszard-Warren Co., see Warren-Knight Co. (successors).
Italia Motor Truck Co., 1346 Folsom, San Francisco, Calif.
Italian Marble Mosaic Co., mosaic mantels, 431 Spruce, Philadelphia, Pa.
Italian Mosaic & Marble Co., 112 Church st., Buffalo, N. Y.
Italian Terra Cotta Co., 1149 Mission rd., Los Angeles, Calif.
Italy Cotton Oil Co., meal, Italy, Tex.
Itasca Cooperage Co., Grand Rapids, Minn.
Itasca Cotton Mfg. Co., Itasca, Tex.
Itasca Paper Co., Grand Rapids, Minn.
Itasca Roller Mills & Elevator Co., flour, Itasca, Tex.

ITEN FIBRE CO., THE, 2358 E. 67th st., Cleveland, O.

Ithaca Calendar Clock Co., Ithaca, N. Y.
Ithaca Glass Mfg. Co., Spring City, Pa.
Ithaca Gun Co., Ithaca, N. Y.
Ittenbach, G., & Co., stone producers, 916 Harrison, Indianapolis, Ind.
Ivanhoe-Regent Works of General Electric Co., 5716 Euclid Ave., Cleveland, O.
Ivanhoe Woolen Mills Co., North Oxford, Mass.
Ivens, Wm. H., Sons Co., terra cotta, clayworking, pottery machinery, etc., Trenton, N. J.
Iver, John, & Co., contractors, Bradford, Pa.
Ivers & Pond Piano Co., 258 Boylston, Boston, Mass.
Ivers, F., & Son, carriages, Cambridge, Mass.
Ivers-Lee Co., automatic packaging machines, 215 Central av., Newark, N. J.
Iverson Bros., machinists, Salinas, Calif.
Iverson, E., & Sons, contractors, 175 W. Jackson blvd., Chicago, Ill.
Iverson, J. B., lumber, Forks, Wash.
Ives Co., H. B., 5 Artizan st., New Haven, Conn.
Ives Co., The Loyal L., New Brunswick, N. J.
Ives Engineering Co., 708 Realty Bldg., Louisville, Ky.
Ives, L. D., mattresses, Binghamton, N. Y.
Ives Mfg. Co., elec. pumps, 203 Hanover, Baltimore, Md.
Ives Mfg. Co., motorcycle parts & connecting rods, Oswego, N. Y.
Ives Mfg. Co., The W. A. (Toys), Wallingford, Conn.
Ives Mfg. Corp., mechl. toys, 194 Holland av., Bridgeport, Conn.
Ives, Wallace L., machsts. & fndrs., Sturgeon Bay, Wis.
Ivins' Tube Works, Elwood, Oak Lane, Philadelphia, Pa.
Ivory Handle Co., Hope, Ark.
Iwan Bros., machsts. 1503 Prairie av., South Bend, Ind.
J. & H. Electric Co., 161 Clifford St., Providence, R. I.
J. & M. Electric Co., Utica, N. Y.
J. C. H. Galvanizing Co., 1110 N. Front, Philadelphia, Pa.
J. H. M. Constr. Co., 54 Maiden lane, New York.
J. L. Aircraft Corp., 347 Madison Ave., New York.
J. V. B. Engine Co., The, Akron, O.
Jaburg Bros., 10 Leonard St., New York.
Jack Tire & Rubber Co., Spokane, Wash.
Jackes-Evans Mfg. Co., Main & Tyler Sts., St. Louis, Mo.
Jackett Brass Foundry, 1202 Lillibridge, Detroit, Mich.
Jackman, W. J., guy anchors, Lima, Ohio.
Jacksboro Mill & Elevator Co., flour, Jacksboro, Tex.

JACKSON & BRO., INC., EDWIN A., 50 Beekman st., New York.

Jackson & Co., A. A., Dallas, Tex.
Jackson & Co., E. S., 224 E. 2nd St., Cincinnati, O.
Jackson & Co., machsts. & fndrs., Rochester, Mich.
Jackson & Church Co., Saginaw, Mich.
Jackson & Green, contrs., 500 Park, Bridgeport, Conn.
Jackson & Newton Co., sash, door & blind, 105 Portland, Boston, Mass.
Jackson & Son Co., The Thos., Reading, Pa.
Jackson & Tindle, Niagara Life Bldg., Buffalo, N. Y.
Jackson, A. D., Saddlery Co., horse collars, Benton, Ill.
Jackson Automobile Co., Jackson, Mich.
Jackson Bangor Slate Co., Pen Argyl, Pa.

JACKSON BELT FASTENER CO., ISAAC, 51 Barclay, New York.

Jackson Brass Fdry. Co., machsts. & fndrs., Jackson, Mich.
Jackson Bros. Co., lbr., Salisbury, Md.
Jackson, Byron S., furniture, 107 Friend, Boston, Mass.
Jackson, C. E., & Co., machsts. & fndrs., 2335 Central av., Cleveland, Ohio.
Jackson, C. P., lumber, Lawrenceville, Ga.
Jackson, C. W., & Sons, canned goods, E. 10th & Belt, Indianapolis, Ind.
Jackson Casket & Mfg. Co., Jackson, Miss.
Jackson-Church Pump Works, 731 N. Spring, Los Angeles, Calif.
Jackson, Church & Wilcox Co., machsts., Saginaw, Mich.
Jackson Coal Co., Connellsville, Pa.
Jackson Co., see Nashua Mfg. Co. (successor).
Jackson Co., C. D., 105th & E. R., New York.
Jackson Co., John J., 156 Astor St., Newark, N. J.
Jackson Co., Samuel, 88 Pleasant St., Pawtucket, R. I.
Jackson Co., Wm. H., 2 W. 47th St., New York.
Jackson Compressor Co., Inc., The, 235 Cherokee St., Denver, Colo.
Jackson Contr'ng Co., Inc., 113 Vesey, Newark, N. J.
Jackson Cushion Spring Co., see Reynolds Spring Co. (successor).
Jackson Cushion Spring Co., Jackson, Mich.
Jackson, E. E., Lbr. Co., Keyser Bldg., Baltimore, Md.
Jackson, E. D., Const. Co., 5930 Commonwealth av., Detroit, Mich.
Jackson Fence Co., Jackson, Mich.
Jackson Fertz. Co., Jackson, Miss.
Jackson Fibre Co., bags, Bemis, Tenn.
Jackson Foundry & Machine Co., Paducah, Ky.
Jackson, G. R., Co., contrs. & furnaces, Metropolitan Bldg., Akron, Ohio.
Jackson Gas Engine Co., clothes washing machs., Jackson, Mich.
Jackson, Geo., carriages, Pueblo, Colo.
Jackson Glass Works, Jackson, Mich.
Jackson Hardware Co., The, Aberdeen, S. D.
Jackson Inc., Charles H., Rome, N. Y.
Jackson Iron Works, 1910 Bay St., Los Angeles, Cal.
Jackson Iron & Bronze Wks., Jackson, Tenn.
Jackson Iron & Steel Co., Jackson, O.
Jackson, J. A., canned goods, Goldsboro, Md.
Jackson, J. M., mfrs. distributors, 320 Market, San Francisco, Calif.
Jackson, J. M., Lumber Co., Parkersburg, W. Va.
Jackson, J. T., Lumber Co., Lexington, Ky.
Jackson, J. W., & Sons, overalls, 546 S. Meridian, Indianapolis, Ind.
Jackson, J. W., Sharpsville, Pa.
Jackson, John W. & C. B., flour, Kirwin, Kans.
Jackson, L. A., lbr., Crystal, N. H.
Jackson-Lansing Brick Co., River Junction, Mich.
Jackson Lumber Co., Lockhart, Ala.
Jackson Lbr. Co., Dept. H, Jackson, Miss.
Jackson Lumber & Supply Co., Waterloo, Ia.
Jackson Machine Tool Co., Jackson, Mich.
Jackson Manufacturing Co., Harrisburg, Pa.
Jackson Mfg. Co., furniture, 1223 Sutter, San Francisco, Calif.
Jackson Mfg. Co., machsts., Rockford, Ill., & Jackson, Ohio.
Jackson Mill & Lumber Co., Jackson, Ohio.
Jackson Milling Co., flour, Stevens Point, Wis.
Jackson Mills, cotton sheetings, Iva, S. C.
Jackson Motor Shaft Co., Jackson, Mich.
Jackson Motor Supply Co., 5636 Baum Blvd., Pittsburgh, Pa.
Jackson Motors Corp., Jackson, Mich.
Jackson, O., machsts. & fndrs., Greenwood, N. Y.
Jackson Organ Co., Burlington, Ia.
Jackson, P. H., & Co., vault & sidewalk lights, 237 1st, San Francisco, Calif.
Jackson Repairing Co., carriages, Washington, Pa.
Jackson, Rich., Slate Co., roofing, Pen Argyl, Pa.
Jackson-Richter Iron Wks. Co., Denver, Colo.
Jackson, Robertson & Adams, architects, Turks' Head bldg., Providence, R. I.
Jackson, Rosencrans & Waterbury, architects, 1328 Broadway, New York.
Jackson, S. R., levels, etc., Watertown, N. Y.
Jackson Sand Mining Co., Jackson, Ohio.
Jackson Shaper Co., Jackson, Mich.
Jackson Shear & Razor Co., Fremont, O.
Jackson Shovel Co., Montpelier, Ind.
Jackson Stove & Stamping Co., The, Jackson, Mich.
Jackson Stone Co., Bridgeport, Conn., & Covington, O.
Jackson Supply Co., plbrs.' supplies, 333 W. Ohio, Indianapolis, Ind.
Jackson, Thos., & Co. (Ltd.), sash, door & blind mfrs., Saginaw, Mich.
Jackson, Thos. F., Co., stone prod., 111 W. Jackson, Waterbury, Conn.
Jackson, Thos. W., masons' & bldrs.' matls., Middleport, N. Y.
Jackson Tile & Brick Co., Jackson, Minn.
Jackson-Walker Coal & Mining Co., 1510 Commerce Bldg., Kansas City, Mo.
Jackson, Walter H., 1834 Broadway, New York.
Jackson's Mantel & Grate Wks., fire-place furnishings mfrs., 2 W. 33d, New York.
Jackson's Sons, Samuel, 1113 S. 15th St., Philadelphia, Pa.
Jacksonville Concrete Products Co., 530 Riverside av., Jacksonville, Fla.
Jacksonville Cotton Oil Co., fertz. mfrs., Jacksonville, Tex.
Jacksonville Fdry. Co., Jacksonville, Ill.
Jacksonville Gas Co., 229 W. Adams st., Jacksonville, Fla.
Jacksonville Lbr. Co., Jacksonville, N. C.
Jacksonville Packing Co., meat packers, Jacksonville, Ill.
Jacksonville Ship Chandlery Co., 239 E. Bay, Jacksonville, Fla.
Jacksonville Tent & Awning Co., 239 E. Bay st., Jacksonville, Fla.
Jacob Bros., scrap brass & iron, babbitt metal, etc., 1240 Seaview av., Bridgeport, Conn.
Jacob Bros. Co., pianos, 539 W. 39th, New York.
Jacob, Chas. W., & Allison, wax, powdered licorice, grass matting, ultramarine blues, 18 Cedar, New York.
Jacob Engine & Machine Co., Robert, 211 Choteau St., St. Louis, Mo.
Jacob, Robt., motor boat, launch & yacht bldrs., City Island, N. Y.
Jacobi, Alex, cornices, Saginaw, Mich.
Jacobi Lbr. Co., Moline, Fla.
Jacobi, N., Hardware Co., Wilmington, N. C.
Jacobowitz, Chas. S., brewers' supps., 1382 Niagara, Buffalo, N. Y.
Jacobs & Co., Geo. P., 274 S. 9th St., Brooklyn, N. Y.
Jacobs & Gile, steel merchants, 224 E. Water, Portland, Ore.
Jacobs & Sons, S., 1365 Flushing Ave., Brooklyn, N. Y.
Jacobs Bros., machsts. & fndrs., Avoca, Ia.
Jacobs Bros. Co., (Scales), 71 Warren St., New York.
Jacobs Bros. Co., Inc., The, 223-231 Wallabout St., Brooklyn, N. Y.
Jacobs, C. B., elec. & gas light fixtures, 5403 Rice, Chicago, Ill.
Jacobs, Chas. N., 3719a Gravois, St. Louis, Mo.
Jacobs Co., J. L. Monadnock Bldg., Chicago.
Jacobs Const. Co., H. W., Hellman Bldg., Los Angeles, Calif.
Jacobs, Ed., Railway Exchange Bldg., St. Louis, Mo.
Jacobs, Edgar A., cornices & skylights, Port Angeles, Wash.
Jacobs, F. M., mill & facty. supplies, Columbus, Miss.
Jacobs Forging Co., Clifford, Indiana, Ill.
Jacobs-Hutchinson Hardware Co., Fairmont, W. Va.
Jacobs, Julius, masons' & bldrs.' matls., 276 W. McMicken av., Cincinnati, Ohio.
Jacobs, Kenneth W., Co., barrel heaters, 1901 St. Paul, Milwaukee, Wis.
Jacobs Mfg. Co., E. H., Danielson, Conn.
Jacobs Manufacturing Co., The, 2074 Park av., Hartford, Conn.
Jacobsen & Co., C., 2206 N. California Ave., Chicago.
Jacobsen & Co., contrs., 713 S. 25th, Omaha, Neb.
Jacobsen Constr. Co., McKay bldg., Portland, Ore.
Jacobsen-Jenson Co., contrs., 407 Stanton, Portland, Ore.
Jacobsen-Munro Co., plbrs.', mill & steamfitters' supplies, 1 N. Front, Portland, Ore.
Jacobsen, W. H., heating contractors, Belleville, N. J.
Jacobson & Sons Co., L. M., 70 Catherine St., Detroit, Mich.
Jacobson, A. C., & Sons, lbr. mfrs., 1445 Park av., Brooklyn, N. Y.
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Jacobson Bros., contractors, Duluth, Minn.
Jacobson Co., Inc., S. A., 217 Mercer St., New York.
Jacobson Gas Engine Co., 5 Second Ave., Renssalaer, Suburb of Albany, N. Y.
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Jacobus, Wm. H., wholesale hdwe., 79 Walker, New York.
Jacoby & Co., Ernest, 79 Milk St., Boston, Mass.
Jacoby & Son, contrs., Helena, Mont.
Jacoby & Son Co., 2025 Market St., Philadelphia, Pa. Mo.
Jacoby Art Glass Co., 2700 St. Vincent St., St. Louis,
Jacoby, J. H., & Co., trunk mfrs., Burlington, Ia.
Jacot, A. H., music boxes, 29 John, New York.
Jacques & Son, John, 93 Webster St., Worcester, Mass.
Jacquet Motor Corp. of America, Belding, Mich.
Jacuzzi Bros., Inc., aeroplane propellers, 1450 San Pablo av., Berkeley, Calif.
Jaeger Furn. Co., Dept. H, Des Moines, Iowa.
Jaeger, H. J., Co., lamps, 280 Park av., Weehawken, N. J.
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Jaehnig Gas Fixture Co., 221 13th av., Newark, N. J.
Jaenecke-Ault Co., Wright & Ave., Newark, N. J.
Jaeschke Bros. Fndry. Co., 3026 Locust, Milwaukee, Wis.
Jaeshn, Frank, Constr. Co., Huron, S. D.
Jager, Chas. J., Co., mill & facty. supplies, 15 Custom House, Boston, Mass.
Jahncke, Fritz, masons' & bldrs.' matls., 814 Howard, New Orleans, La.
Jahncke Service, Inc., bldrs.' matls., 814 Howard av., New Orleans, La.
Jahncke Shipbldg. Co., Madisonville, La.
Jahn's Robt., Sons, cornices, Scotch Plains, N. J.
Jahns, W. H., engine pistons, 2662 Lacy, Los Angeles, Calif.
Jaite Co., paper & pulp mills, Jaite, Ohio.
Jakes Foundry Co., 2800 Charlotte av., Nashville, Tenn.
Jakobson & Peterson, ship bldrs., ft. of 16th, Brooklyn, N. Y.
Jakoby, Anton, cornices, 3122 Kensington, Philadelphia, Pa.
Jallade, Lindsay & Warren architects, 129 Lexington av., New York.
Jamaica Dyewood & Chemical Co., 50 Church, New York.
Jambor Mfg. Co., engnrs.' specialties, 911 Center, Milwaukee, Wis.
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James & Graham Wagon Co., 738 S. Dudley St., Memphis, Tenn.
James & Holmstrom, pianos, 25 W. 37th st., New York.
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James Bros., cornices & htg. contr., West Chester, Pa.
James, E. L., fertilizer mfrs., Warrenville, Conn.
James Fertilizer Co., James, Ala.
James, J. T., canned goods, Roanoke, Va.
James Lbr. Co., 921 Aliceanna, Baltimore, Md., & Franklin, Pa.
James Mfg. Co., wood alcohol, charcoal, Kane, Pa.
James Mfg. Co., (Dairy & Farm Equip.), Ft. Atkinson, Wis.

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James River Furn. & Mattress Co., 312H Hull, Richmond, Va.
James River Furniture & Mattress Co., mattress mfrs., Richmond, Va.
James Supply Co., 1104 Market St., Chattanooga, Tenn.
James, W. J., tics, Franklin, Pa.
Jameson, McKenzie & Evans, 403 E. Center St., Baltimore, Md.
Jameson Oil Co., gasoline & petroleum, 2501 E. 28th, Los Angeles, Calif.
Jameston Patent Bender Co., 1632 Arcade bldg., St. Louis, Mo.
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Jamestown Cabinet Co., Jamestown, N. Y.
Jamestown Canning Co., Jamestown, Ind.
Jamestown Car Parts Mfg. Co., Jamestown, N. Y.
Jamestown Construction Co., masons' & bldrs.' matls., Jamestown, N. Y.
Jamestown Curtain Rod Co., towel racks, Jamestown, N. Y.
Jamestown Die & Tool Corp., Jamestown, N. Y.
Jamestown Gas Stove Corp, Corry, Pa.
Jamestown Hdwe. Co., whol. hdwe., Jamestown, N. Y.
Jamestown Iron Wks. Co., machsts. & fndrs., Jamestown, N. Y.
Jamestown Lounge Co., Dept. H, Jamestown, N. Y.
Jamestown Mantel Co., Falconer, N. Y.
Jamestown Metal Desk Co., The, Jamestown, N. Y.
Jamestown Milling Co., flour, Jamestown, Ark.
Jamestown Paint & Varnish Co., Jamestown, Pa.
Jamestown Panel Co., Inc., 34 Steele St., Jamestown, N. Y.
Jamestown Shale Paving Brick Co., Jamestown, N. Y.
Jamestown Upholstery Co., Dept. H, Jamestown, N. Y.
Jamestown Wood Finishing Co., paints & stains, Jamestown, N. Y.
Jamestown Worsted Mills, woolen flannels, Jamestown, N. Y.
Jamieson & Bond Co., masons' & bldrs.' matls., Bond av., Oceanus, N. Y.
Jamieson, Jas. P., architect, Arcade bldg., St. Louis, Mo.
Jamieson, M. W., & Co., machsts. & fndrs., Warren, Pa.
Jamieson Machine Co., St. Joseph, Mo.
Jamieson's, D., Sons, Coral & Haget, Philadelphia, Pa.
Jamieson's, D., Sons, towels, Trenton & Sergeant, Philadelphia, Pa.
Jamison Cold Storage Door Co., Hagerstown, Md.
Jamison, E. P., Stuart bldg., Seattle, Wash.
Jamison, I. M., fndrs., Swales, Pa.
Jamison Lumber & Shingle Co., Everett, Wash.
Jamison Mill Co., lumber, Everett, Wash.
Jamison, Robt. W., 637 Mission av., San Francisco, Calif.
Jamison-Semple Co., Inc., 152 Lexington Ave., New York.
Jamison Spring & Mattress Co., Nashville, Tenn.
Jamison Steel Co., 77 Natoma, San Francisco, Calif.
Jamison, T. H., natural gas burners, Claysville, Pa.
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Janesville Barb Wire Co., Janesville, Wis.
Janesville Batting Mills, cotton batting, Janesville, Wis.
Janesville Brick Works, Janesville, Wis.
Janesville Carriage Works, Janesville, Wis.
Janesville Cement Co., cement shingle machinery, Janesville, Wis.
Janesville Contracting Co., Janesville, Wis.
Janesville Fence & Post Co., 326H S. Franklin, Janesville, Wis.
Janesville Machine Co., agricultural implements, Janesville, Wis.
Janesville Products Co., spark plugs, children's vehicles, etc., Janesville, Wis.
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Janesville Shirt & Overall Co., Janesville, Wis.
Janette Mfg. Co., 556 W. Monroe St., Chicago.
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Janeway Button Co., New Brunswick, N. J.
Jangbiut, Aug., Co., pool tables, 833 Filmore, San Francisco, Calif.
Janisch, John L., contractor, 530 Ravenswood av., Chicago, Ill.
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Janows-Kramer Range Co., 640 W. Randolph, Chicago, Ill.
Jansen & Joosten, organs, Flanagan, Ill.
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Jansen, F. W., Clock Co., elec. alarm clocks, 217 W. Randolph, Chicago, Ill.
Jansen Mfg. Co., The, 14th Ave. near Howard St., Detroit, Mich.
Jansen, T. E., cornices, Kenosha, Wis.
Jansen, Wm. C., architect, Electric bldg., Cleveland, Ohio.
Janson Iron Works, Oakland, Cal.

JANSON STEEL & IRON CO., Columbia, Pa.
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Janssen, Bernard H., archl, iron, 135 Huron, Brooklyn, N. Y.
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Janvier, Walter, soap, 417 Canal, New York.
Japanese Match Importing Co., 109 Broad St., New York.
Japanese Tissue Mills. Holyoke, Mass.
Japanese Water Color Co., water color paints, 11 Diamond pl., Rochester, N. Y.
Japes Co., Frank, 2200 8th St., Detroit, Mich.
Japs, Frank A., machst., Redwood Falls, Minn.
Jaquith Machy. Bureau, Inc., efficiency engrs., 110 High, Boston, Mass.
Jarboe, E. R., Canning Co., Mechanicsville, Md.
Jarden Brick Co., Land Title Bldg., Philadelphia, Pa.
Jarden Lithographing Co., labels, 310 N. 10th, Phila., Pa.
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Jarratt Lbr. Corp., Marianna, Fla.
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Jarrell, R., & Son, canned goods, Marydel, Md.
Jarrell, R., & Sons, canned goods, Goldsboro, Md.
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Jarvis Co., Chas. L. (Novelties), Gildersleeve, Conn.
Jarvis Engine & Mch. Wks., machsts. & fndrs., Lansing, Mich.
Jarvis Engineering Co., refrigeration, 261 Franklin, Boston, Mass.
Jarvis Engineering Co., 51 Ellery St., Boston, Mass.
Jarvis, Jos. T., models & patterns, 73 Haverhill, Boston, Mass.
Jarvis Paper Mills, West Claremont, N. H.
Jarvis, T. P., Mfg. Co., oil burners & refrigerating machy., 257 Connecticut, San Francisco, Cal.
Jarvis, W. B., Co., sporting goods mfrs., Grand Rapids, Mich.
Jasper Desk Co., Jasper, Ind. (Now Hoosier Desk Co.)
Jasper Lumber Co., Newton, Ia.
Jasper Machine Works, machsts. & fndrs., Jasper, Ind.
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Jasper Veneer Mills, Jasper, Ind.
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Jaxon Co., 1010 Jackson St., Toledo, O.
Jaxon Steel Products Corp., auto rims & wheels, Horton, Jackson, Mich.
Jay Printing Ink Co., Inc., 263 Water St., Brooklyn, N. Y.
Jayn, W. T., flour mills, Gate City, Va.
Jean, Augustine, sash, door & blind, Nadeau, Mich.
Jean, C. W., Co., copying baths, 116 Nassau, New York.
Jeandron, W. J., 345 Madison Ave., New York.
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Jeanesville Iron Wks. Co., machsts. & fndrs., Hazleton, Pa.
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Jeanette Glass Co., Jeanette, Pa.
Jeannette Mach. Co., Jeannette, Pa.
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Jeannin Electric Co., 110 Eleventh St., Toledo, O.
Jeavons, A. N., spring lubricators, 1603 Prospect av., Cleveland, Ohio.
Jeavons Spring Lubricator Co., 1607 Prospect av., Cleveland, Ohio.
Jefferies, W. P., Co., advtg. nov., 117-21 Winston, Los Angeles, Cal.
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Jefferis, W. W., cornices & skylights, Wilmington, Ohio.
Jeffers, F. K., lumber, Custer, Wash.
Jeffers, Wm., cornices & skylights, 77 Jey, Boston, Mass.
Jefferson & Clearfield Coal & Iron Co., bituminous, Punxsutawney, Pa.
Jefferson Brass Fdry. Co., 62 Delevan st., Brooklyn, N. Y.
Jefferson Brick & Tile Co., Jefferson, Wis.
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Jefferson Construction Co., Q. & C. Bldg., New Orleans, La.
Jefferson Distilling & Denaturing Co., cologne spirits, Harvey, La.
Jefferson, E. D., & Son, kilns, 189 High, Boston, Mass.
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Jefferson Elec. Mfg. Co., 430 S. Green St., Chicago.
Jefferson Fertilizer Co., Birmingham, Ala., and Jefferson, S. C.
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Jefferson Fdry. & Mach. Shops, Jefferson, Texas.
Jefferson Glass Co., Follansbee, W. Va.
Jefferson Iron Co., Oak Hill, Ohio.
Jefferson Iron Works Co., 548 W. Jefferson av., Detroit, Mich.
Jefferson Lbr. Co., Birmingham, Ala.
Jefferson Paint Co., 116 E. Jefferson, Los Angeles, Calif.
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Jefferson Woodworking Co. (table slides), Dept. H., Louisville, Ky.
Jeffersonville Canning Co., Jeffersonville, Ind.
Jeffersonville Mfg. Co., kitchen cabinets, Jeffersonville, Ind.
Jeffery, H. J., architect, Union Bldg., Cleveland, Ohio.
Jeffrey & Sons, Daniel, Jeanerette, La.
Jeffrey, A. L., sashes, doors & blinds, Marengo, Ohio.
Jeffrey Dewitt Insulator Co., Huntington, W. Va.
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Schiedam, Holland—Internationale, Technische Handels Onderneming, Lange Haven 39.
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London, England—Hugh Wood & Co., Ltd., 65 Fenchurch.
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Mexico City, Mex.—General Supply Co., S. A. Apartado 1433.
Far East:
Calcutta, India.—Messrs. Bird & Co., managing agts. for Kumardhuhi Engrg. Works, Ltd., P. O. Box 46.
Tokyo, Japan—The American Trading Co., Central P. O. Box 20.
Seerabaia, Java—Richard Dumpel, Esq. (Branch at Singapore).
Shanghai, China—T. Y. Chang, 3 Szechuen road.
Honolulu, Hawaii—Catton, Neill & Co., Ltd., P. O. Box 324.
Africa:
Johannesburg, South Africa—J. & R. Niven, Ltd., P. O. Box 4022.
Australasia:
Auckland, New Zealand—John Chambers & Son, Ltd., P. O. Box 934.
Christchurch, New Zealand—John Chambers & Son, Ltd., P. O. Box No. 466.
Dunedin, New Zealand—John Chambers & Son, Ltd., P. O. Box No. 109.

(Continued on following page)

JEFFREY MFG. COMPANY—Continued.
Wellington, New Zealand—John Chambers & Son, Ltd., P. O. Box 463.
Melbourne, Australia—Gibson, Battle (Melbourne), Pty., Ltd., No. 84 William.
Sydney, Australia—Gibson Battle & Co., Ltd., No. 535 Kent.
Porth, West Australia—Frank R. Perrot, Esq., No. 883 Hay.
South and Central America:
Bogota, Colombia—Senor Alfredo Rodriguez, M. & Co., P. O. Box 357.
Buenos Aires, Argentina—Julio De Facieu, Venezuela No. 847.
Demarara, British Guiana—Messrs. Sandbach, Parker & Co.
Lima, Peru—Emilio F. Wagner & Co., Casilla 1123.
Valparaiso, Chile—Messrs. Martin Bros., Casilla No. 181.
Havana, Cuba—Morril B. Spaulding, Manzana de Gomez 344.
Trinidad, B. W. I.—Port Spain.

Jeffreys-Spaulding Mfg. Co., box shooks & lbr., Chase City, Va.
Jeffries, A. H., architect, Estherville, Ia.
Jeffries Automatic Service Co., Vernon av. & Wall, Los Angeles, Cal.
Jeffries, Wm., machinist, Thibodaux, La.
Jeibmann, Harry, willow ware mfrs., Orenco, Ore.
Jelin, Abraham, contrs., New Brunswick, N. J.
Jelke, John F., Co., canned goods, 759 S. Washtenaw av., Chicago, Ill.
Jelks, W. A., & Co., fertilizer, Hawkinsville, Ga.
Jellett, Stewart A., Co., htg. contr., etc., 120 Locust, Phila., Pa.
Jellico Foundry Co., Jellico, Tenn.
Jellico Hardware Co., Jellico, Tenn.
Jelliff & Son, George H., New Canaan, Conn.
Jelliff Mfg. Corp., The C. O., Southport, Conn.
Jelly-Electrolyte Battery Co., Inc., 162 W. 56th, New York.
Jemison & Co., J. B., Thomasville, Ga.
Jenckes Knitting Machine Co., 335 Barton St., Pawtucket, R. I.
Jenckes Mfg. Co., E., 28 Union st., Worcester, Mass.
Jenckes Spinning Co., tire fabrics, Pawtucket, R. I.
Jencks Brick Co., 533 Security Bldg., Los Angeles, Calif.
Jencks, H. F., tapping & threading mach., drinking & sanitary fountains, etc., Pawtucket, R. I.
Jencks Paper Box Co., 45 Waldo, Providence, R. I.
Jenison, L. & L., Co., flour mills, Jenison, Mich.
Jenkins & Bogert Mfg. Co., (Wood Turners), Kingfield, Me.
Jenkins & Co., Geo. R., 332 S. Michigan Ave., Chicago.
Jenkins, Branscombe & Romberg, architects, Grand Junction, Colo.
Jenkins Brick Co., P. O. Box 474, Montgomery, Ala.

JENKINS BROS., 80 White St., New York.
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V. P.—Frank T. Swain, Charles V. Barrington.
Sec.—W. Byron Rufe.
Treas.—A. Eugene Brady.
Boston, Mass.—524 Atlantic Ave.
Chicago—646 Washington Blvd.
London, Eng.—6 Great Queen St., Kingsway, W. C. 2.
Montreal, Que.—103 St. Remi St.
New York—80 White St.
Philadelphia, Pa.—133 N. Seventh St.

Jenkins Bros. Co., filing systems & cards, 422 Boyd, Los Angeles, Calif.
Jenkins, C. C., masons' & bldrs.' matls., Willoughby, Ohio.
Jenkins, D. C., Glass Co., Kokomo, Ind.
Jenkins, Geo. Co., leather boards, Bridgewater, Mass.
Jenkins Hay Rake & Stacker Co., Chillicothe, Mo.
Jenkins, J. E., flour, Central City, Neb.
Jenkins, Jas. H., granite, Quincy, Mass.
Jenkins, John W., stone producers, Springfield, Ohio.
Jenkins Lumber Co., 920 N. 19th st., Birmingham, Ala.
Jenkins-McKay Hdwe. Co., Central City, Colo.
Jenkins Machine Co., Sheboygan, Wis.
Jenkins Mfg. Co., machs. & fdrs., Bloomfield, N. J.
Jenkins Mfg. Co., Bloomfield, N. J.
Jenkins Paint & Oil Co., 30 Commercial Place, Norfolk, Va.
Jenkins-Phipps Co., rattan & reed wks., Wakefield, Mass.
Jenkins Rubber Co., Elizabeth, N. J., & 80 White, New York.
Jenkins, V. S., Co., ship chandlery & mfrs. agts., 301 Railroad av. S, Seattle, Wash.
Jenkins Vulcan Spring Co., Richmond, Ind.
Jenkins, W. M., Machine Works, 18th & Treat av., San Francisco, Cal.
Jenkins, W. S., & Sons, machsts., Portland, Mich.
Jenkinson & Co., R. C., 289-97 Washington St., Newark, N. J. (Mfrs. Trunk Hware.)
Jenkinson, John, see Jenkinson Brass Fdry. Co. (successor).
Jenks & Muir Mfg. Co., (Iron & Brass Bedsteads & Springs), 6441 Hastings, Detroit, Mich.
Jenks & Son, machsts. & fndrs., Prairie City, Iowa.
Jenks & Venton Constr. Co., S. A. & K. Bldg., Syracuse, N. Y.
Jenks, W. H., machsts. & fndrs., Brookville, Pa.
Jenne, Geo., cornices & skylights, Yazoo City, Miss.
Jennens, W. H., composition & plastic ornaments, archl. decorators, etc., 2315 Harrison, Kansas City, Mo.
Jenner, John H., machsts. & fndrs., Leavenworth, Ind.
Jennett Bros. Co., fertilizer mfrs., Elizabeth City, N. C.
Jenney Mfg. Co., 8 India St., Boston, Mass.
Jennings & Bro., Martin, Memphis, Tenn.
Jennings & Co., C. E., 71 Murray, New York.
Jennings & Griffin, machsts. & fndrs., Meriden, Conn.
Jennings & Griffin Mfg. Co., saws, Port Jervis, N. Y.
Jennings & John, ornamental architectural iron, 519 125th, New York.
Jennings & Welstead Corp., contractors, 148 33d st., New York.
Jennings Automatic Dump Body Co., Roanoke, Va.
Jennings Bros. Mfg. Co., machsts. nut crackers, etc., 219 Elm st., Bridgeport, Conn.
Jennings Cypress Tank Co., Shreveport, La
Jennings, E. M., machsts., Webster, N. Y.
Jennings-Gresham Co., Atlanta, Ga.
Jennings, J. B., lbr., Reform, Ala.
Jennings Mfg. Co., Russell, Chester, Conn.
Jennings Pump Dredge Co., centrifugal pumps with adjustable liners, 180 N. Dearborn, Chicago, Ill.
Jennings, R. J., Yarn Clearing Machine Co., Elmira, N. Y.
Jennings, S. P., & Sons, wood handles, New Castle, Ind.
Jennings-Sherry Co., soap, 1307 S. San Pedro, Los Angeles, Cal.
Jennings Silver Co., 390 Nye Ave., Irvington, N. J.
Jennings, W. F., contrs., Matter Bldg., Fresno, Cal.
Jennings, W. G., & Son, brick, Greensboro, N. C.
Jennison Co., engineers & contrs. for supplying & installing power heating & ventilating equipt., Fitchburg, Mass.
Jennison Hdwe. Co., Bay City, Mich.
Jennison, O. M., lbr., Peacham, Vt.
Jennison, W. J., Co., flour, 922 Flour Exch., Minneapolis, Minn.

JENNISON-WRIGHT CO., THE, 2469 Broadway, Toledo, O.

Jensen & Nelsen, 1165 67th st., Oakland, Calif.
Jensen Bros. Co., contractors, Council Bluffs, Iowa.
Jensen Construction Co., Fort Dodge, Ia.
Jensen Creamery Machinery Co., Nelson & Locust av., Bloomfield, N. J.
Jensen, J. C., & Co., contractors, 7133 St. Lawrence av., Chicago, Ill.
Jensen-King-Byrd Co., Spokane, Wash.
Jensen-Kohlert Mfg. Co., machsts., St. Charles, Ill.
Jensen Manufacturing Co., Hans, 2855-2857 N. Rockwell St., Chicago.
Jensen, P. C., mach. & fndr., Central City, Neb.
Jensen Trunk Facty., 102 W. 9th, Kansas City, Mo. (tn).
Jephson-Scott Body Co., Inc., 24 Sterling St., East Orange, N. J.
Jeppener, Paul, molds, models & experimental wks., 114 Center, New York.
Jerald, S. E., Sulky Co., carriages, Waterloo, Ia.
Jerauld County Milling Co., flour, Dept. H, Wessington Springs, S. D.
Jergens Co., A., Spring Grove Ave. and Alfred, Cincinnati, O.

JERGUSON GAGE & VALVE CO., Mystic av. & Fellsway, Somerville, Mass.

Jermyn & Co., (Coal), Scranton, Pa.
Jerns, Nicholas, lumber, Bellingham, Wash.
Jerome Hardwood Lumber Co., Jerome, Ark.
Jerome Paper Co., 314 W. 53rd St., New York.
Jersey City Galvanizing Co., 74 Morgan St., New York.
Jersey Clay Products Co., Newbern, Ill.
Jersey Forging Wks., 16th St., Jersey City, N. J.
Jersey Leather Co., Camden, N. J.
Jersey Oil Mill Co., Jersey, Ga.
Jerslid Knitting Co., sweaters, cardigans, etc., Neenah, Wis.
Jerus, N., lbr., Bellingham, Wash.
Jervis Foundry & Machine Co., Decatur, Ala.
Jeschke, Edw., machinist & founder, agric'l implements, Bellevue, Ohio.
Jeske, Gust, J., & Son, bldg. contr., 1089 Richards, Milwaukee, Wis.
Jeske, R., & Bro. Co., cornices, metal doors, 119 Reservoir av., Milwaukee, Wis.
Jesnig, C., scientific instruments, 714 Sansom, Philadelphia, Pa.
Jesse, August, machinist, Stillwater, Minn.
Jesseman Granite Co., North Haverhill, N. H.
Jesson, Jno. B., machsts., 830 Wood, Philadelphia, Pa.
Jessop & Sons, Inc., Wm., 91 John St., New York.
Jessop Steel Co., Washington, Pa.
Jessup & Moore Paper Co., Commercial Trust Bldg., Philadelphia, Pa.
Jessup Pattern Works, Stephen C., Salem, O.
Jesup & Co., Inc., F. W., 90 W. Broadway, New York.
Jeter, A. H., & Co., cornices & skylights, 91 Webster av., Long Island City, N. Y.
Jeter Hdwe Co., mill & facty. supplies, Jonesboro, Ark.
Jett, Muths, Constr. Co., Inc., Mobile, Ala.
Jeub, Herman, contr., 2206 Olive av. N., Minneapolis, Minn.
Jewel Cut Glass Co., 200 5th av., New York.
Jewel Electric & Mfg. Co., 4505 Ravenswood Ave., Chicago.
Jewel Supply & Equipment Co., mill, facty., contrs. & supplies, 34H So. Calvert, Baltimore, Md.
Jewel Vacuum Cleaner Co., 226 N. Jefferson, Chicago, Ill.
Jewelers' Circular, trade publication, 11 John, New York.
Jewelers' Technical Advice Co., jewelers' & refiners' platinum melting outfits, 22 Albany, New York.
Jewell Belt Hook Co., Hartford, Conn.
Jewell Belting Co., Hartford, Conn.
Jewell Electric Co., electrical controller mfrs., Munsey bldg., Baltimore, Md.
Jewell Electrical Instrument Co., 1650 Walnut St., Chicago.
Jewell-Loudermilk Co., Gainesville, Ga.
Jewell Mfg. Co., heat regulators, etc., Auburn, N. Y.
Jewell Polar Co., 9 S. Clinton St., Chicago.
Jewell Steel & Malleable Co., castings & pipe fittings, 1375 Potrero av., San Francisco, Calif.
Jewell Steel & Malleable Co., Inc., 373 Hertel Ave., Buffalo, N. Y.
Jewell Water Improvement Co., 548 W. Washington blvd., Chicago, Ill.
Jewelry Displaying & Box Novelty Co., boxes, trays, 21 Ritch, San Francisco, Calif.
Jewett & Co., stove mfrs., Military rd., Buffalo, N. Y.
Jewett & Sowers Oil Co., 633 W. Pershing rd., Chicago, Ill.
Jewett, A. B., architect, Durant, Okla.
Jewett Car Co., see Hamilton, Wm., Sons Car Co. (successors).
Jewett Car Co., (Now Wm. Hamilton & Sons Car Co.), Newark, O.
Jewett Cornice & Roofing Co., San Antonio, Texas.
Jewett Lumber Co., Des Moines, Ia.
Jewett Mfg. Corp., 32 Austin St., Newark, N. J.
Jewett Phonograph Co., The, 948 Penobscot Bldg., Detroit, Mich.
Jewett Piano Co., Leominster, Mass.
Jewett Refrigerator Co., The, 137 Chandler St., Buffalo, N. Y.
Jewett Stamping & Enameling Co., Jewett, Ohio.
Jewettville Clay Products Co., 123 W. Chippewa, Buffalo, N. Y.
Jewkes, Jos., & Sons, contractors, 676 Montgomery, Jersey City, N. J.
Jex Lumber Co., Spanish Fork, Utah.
Jeysen, Geo. L., & Son, contrs., West Newton, Mass.
Jidas, J. D., Bros. & Co., soap powders, 874 W. North av., Chicago, Ill.
Jiffy Fire Hose Rack Co., 133 W. 52nd St., New York.
Jiffy Products Co., Inc., 1240 S. Main st., Los Angeles, Calif.
Jiles, Jas., Co., masons' & bldrs.' matls., Stayton, Pittsburgh, Pa.
Jillson, O. A., leather, Pawtucket, R. I.
Job, Fred'k, watchmakers' & jewelers' tools, Wilkes-Barre, Pa.

JOBBERS MFG. CO., (not inc.) 114 W. Van Buren St., Chicago.

Jobbins, Wm. F., chemicals, Aurora, Ill.
Jobes, Emmor W., machsts., Minerva, Ohio.
Jobes Milling Co., flour, St. Johns, Ore.
Jobson-Gifford Co., steel struct. wk., 30 E. 42d, New York.
Jobst, V., & Sons, contrs., Lehman bldg., Peoria, Ill.
Jochim, J. W., Hardware Co. (Ltd.), cornices & skylights, Ishpeming, Mich.
Joe Creek Lbr. Co., Comfort, W. Va.
Joe Creek Shingle Co., Aloha, Wash.
Joerns Bros. Mfg. Co., sewing cabinets, 2362 University av., St. Paul, Minn.
Joesting & Schilling Co., hotel supplies, 379 Sibley, St. Paul, Minn.
Johannes, H. J., Pickling Co., canned goods, Clintonville, Wis.
Johannesburg Mfg. Co., lumber, Johannesburg, Mich.
Johanning, Chas., cornices, Richmond, Ind.
Johannsen, H. S., (Machinery), 25 W. 43rd St., New York.
Johansson, C. E., Inc., gauges, Poughkeepsie, N. Y.
John, J. T., Co., fertilizer, Johns, N. C.
John, R. H., Jr., trunks, Galveston, Tex.
Johnetta Fndry. & Mach. Co., Marianna, Pa.
John-Roger Company, Coopersville, Mich.
Johns & Brown Co., sash, door & blind mfrs., Aurora, Ill.
Johns, Alfred, Milling Co., flour, Henshaw, Ky.
John's Hanger Mfg. Co., hdwe. mfrs., 709 Harrison, San Francisco, Calif.
Johns Hopkins Univ. Dept. of Engng., engng. schools & coll., Homewood, Baltimore, Md.
Johns Mfg. Co., J. N., 26 Cortland, New York.

JOHNS-MANVILLE, INC., 292 Madison Ave., New York.
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V. P. & Gen. Mgr.—L. R. Hoff.
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OHIO—Cleveland—H. P. Rankin, Gen. Mgr.
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JOHNS PAPER CO., W. A., 327 S. La Salle St., Chicago.

Johns-Pratt Co., 160 Huyshope St., Hartford, Conn.
Johns, S. P., & Sons, masons' & bldrs.' matls., Sedalia, Mo.
Johns Sons, Robt., Scotch Plains, N. J.
Johnson & Bassett, textile machy., 114 Foster, Worcester, Mass.
Johnson & Baum, contrs., Superior, Wis.
Johnson & Berntson, sash, door & blind mfrs., Corona, N. Y.
Johnson & Biddle Tool Co., hdwe. mfrs., sawing & filing machines, tools, dies, jigs & fixtures, Elkhart, Ind.
Johnson & Brown, contrs., Centralia, Wash.

JOHNSON & CARLSON, 864 Eastman St., Chicago
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V. P.—A. B. Carlson.
Sec.—R. C. Carlson.
Treas.—C. E. Carlson.

Johnson & Co., buckwheat flour, Franklin, Pa.
Johnson & Co., Chas. E., 10th & Lombard Sts., Philadelphia, Pa.
Johnson & Co., Geo. T., 76 Batterymarch St., Boston, Mass.
Johnson & Co., H. S., 18th Ave., N. E. Marshall St., Minneapolis, Minn.
Johnson & Co., Inc., Oliver, 18-24 Custom House, Providence, R. I.
Johnson & Co., J. R., P.O. Box 515, Richmond, Va.
Johnson & Co., Thomas J., 896 Washington St., Boston, Mass.
Johnson & Crowley, printers, machinists, 182 Centre, New York.
Johnson & Field Mfg. Co., Racine, Wis.
Johnson & Gustafson, granite, Barre, Vt.
Johnson & Jenning Co., machy., Addison rd. & N. Y. C. R. R.
Johnson & Law, contrs., Anaconda, Mont.
Johnson & Miller, test indicators, 42 Murray, New York.
Johnson & Morris, steam & hot water heating contractors, 538 W. 23d, New York.
Johnson & Quinn (Blank Books & Loose Leaves), 547 S. Clark St., Chicago.
Johnson & Ritz, masons' & builders' matls., Napoleon, Ohio.
Johnson & Son, B., 931 Main St., Richmond, Ind.
Johnson & Son, S. C., Racine, Wis.
Johnson & Son Co., W. H., 330 E. St. Joe St., Indianapolis, Ind.
Johnson & Sons Machy. Co., Wm. C., 1001 N. 6th St., St. Louis, Mo.
Johnson & Thompson, Birmingham, Ala.
Johnson & Tomek Co., carved mouldings, 1855 W. Lake, Chicago, Ill.
Johnson & Walters Mfg. Co., stamping, etc., 53 Baltimore av., Detroit, Mich.
Johnson & Washburn Co., 91 Haverhill St., Boston, Mass.
Johnson & Watson Co., 131 E. 3rd St., Dayton, O.
Johnson & Wells Machine Co., Neenah, Wis.
Johnson & Wimsatt, 1212 Water St., S. W., Washington, D. C.
Johnson, A., & Sons, brick, Mediapolis, Ia.
Johnson, A. J., & Sons Furn. Co., 517 Noble, Chicago, Ill.
Johnson Acetylene Gas Co., Crawfordsville, Ind.
Johnson, Albert, & Co., bank fix., 131 Border, E. Boston, Mass.
Johnson, August N., machsts. & fdrs., Manistee, Mich.
Johnson Automatic Sealer Co., Ltd., Battle Creek, Mich.
Johnson Automobile Sheet Metal Wks., W. N., Richmond, Ind.
Johnson Belting Co., 141 W. Austin Ave., Chicago
Johnson Belting Co., 423-435 East 56th St., New York.
Johnson, Ben, Co., contr., Miami, Fla.
Johnson Bostwick & Co., overalls, 314 1st av. N., Minneapolis, Minn.

JOHNSON BRONZE COMPANY, New Castle, Pa. Dallas, Texas—The Carroll Company.

Johnson Bros. Auto Supply Co., The, Wichita, Kan.
Johnson Bros., cornices & skylights, 4 Industry, Pittsburgh, Pa.
Johnson Bros., flour mills, Gate City, Va. (tr.)
Johnson Bros. Co., mill & facty. supplies, who. hdwe., Bath, Me.
Johnson, C., Upholstering Co., Youngstown, Ohio.
Johnson, C. A., & Co., cloth folding machs., 15 Pine, Providence, R. I.

Johnson, C. H., architect, Citizens Nat'l Bk. bldg., Sedalia, Mo.
Johnson, C. H., mill & facty. supplies, Chicora, Pa.
Johnson, C. H., sashes, doors & blinds, Burton, O.
Johnson, C. I., Mfg. Co., machsts., 48 E. 3d St., St. Paul, Minn.
Johnson, C. O., stone, Salt Lake City, Utah.
Johnson-Carlson Cut Glass Co., 30 E. Randolph, Chicago, Ill.
Johnson Carlyle Machine Co., friction & gas engine clutches, marine gears, etc., Manchester, Conn.
Johnson, Chas., & Son, arch'l iron, 320 W. Grand, Chicago, Ill.
Johnson, Chas., Hdwe. Co., Peoria, Ill.
Johnson, Chas. H., shoe counters, Lynn, Mass.
Johnson, Chas. H., cornices, 211 E. 9th st., Jacksonville, Fla.
Johnson, Chris., & Son, contractors, Oshkosh, Wis.
Johnson City Boiler & Tank Co., Johnson City, Tenn.
Johnson City Coal Co., Conway bldg., Chicago, Ill.
Johnson City Foundry & Machine Co., Johnson City, Tenn.
Johnson City Washer Coal Co., White Ash, Ill.
Johnson Company, 1909 Forest Ave., E., Detroit, Mich.
Johnson Co., Geo. T., Widener Blvd., Philadelphia, Pa.
Johnson Co., I. H., Jr., 335-7 N. 15th St., Philadelphia, Pa.
Johnson Co., Inc., J. D., 68 Charlton St., New York.
Johnson Co., Inc., The Henry, Gates Ave. & Boulevard, Jersey City, N. J.

JOHNSON CO., J. W., 1236 Macedonia St., Chicago
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V. P.—J. W. Johnson, A. G. Johnson.
Sec.—J. M. Lingsweiler.

Johnson Co., John, 37th St. & Ind. Ave., Brooklyn, N. Y
Johnson Co., Milton Co., (Mfrs. Stationers), 78 Walker St., New York.
Johnson Co., S. T., 1337 Mission St., San Francisco, Cal.
Johnson Compound & Supply Co., 8 Furnace St., Rochester, N. Y.
Johnson Constr. Co., 7 S. Dearborn, Chicago, Ill.
Johnson Constr. Co., Fargo, N. D.
Johnson, E. E., lbr., Coquille, Ore.
Johnson, E. E., pump sockets, well screens, etc., St. Paul, Minn.
Johnson, E. F., machsts., Kalkaska, Mich.
Johnson, E. G., Co., contractors, Portland, Me.
Johnson, E. L. (Roofing Slate, Etc.), 153 E. 38th St., New York.
Johnson, E. P., Piano Co., Ottawa, Ill.
Johnson, E. P., Rule Mfg. Co., 565 Wash. blvd., Chicago, Ill.
Johnson Eads M. E., Inc., naval architects, 115 Broadway, New York.
Johnson-Edens Lumber Co., Ivanhoe, N. C.
Johnson Educator Food Co., 100 Sidney, Cambridge, Mass.
Johnson, Edw. E., Inc., 2304 Long Ave., St. Paul, Minn.
Johnson Electric Supply Co., 331 Main St., Cincinnati, O.
Johnson Electric Washer Co., Inc., 40th and Adeline Sts., Oakland, Cal.
Johnson, Elmer C., whol. & retail plate glass, 16 Main st., Evansville, Ind.
Johnson Engng. Wks., see Marathon Mills & Machy. Wks. (successors).
Johnson Evers & Co., hdwe., lbr., etc., Laurel, Neb.
Johnson, Ezra, Novety Co., advtg. nov., Newnan, Ga.
Johnson, F., & Co., contractors, 1943 N. Calif. av., Chicago, Ill.
Johnson Fan & Blower Co., 115-117 S. Clinton St. Chicago.
Johnson Fare Box Co., 4619 E. Ravenswood Ave., Chicago.
Johnson File Renewing Company, 544 Larned, E., Detroit, Mich.
Johnson-Fortnum, machsts. & fndrs., Berlin, Wis.
Johnson's Foundry Corp., dredge & semi-steel castings, 1003 N. Main, Los Angeles, Calif.
Johnson Foundry & Machine Shops, Madison, Ind.
Johnson Fdry. & Mach. Wks., Los Angeles, Calif.
Johnson, Frank H., alloy & cold drawn steel, etc., 208 South La Salle, Chicago, Ill.
Johnson, Frank L., & Co., contractors, Duluth, Minn.
Johnson-Fries Marine Const. Co., gears, Spalding bldg., Portland, Ore.
Johnson Fuel Co., coal mine, Fairfax, S. D.
Johnson Furn. Co., Dept. H, Grand Rapids, Mich.
Johnson, G. A., & Son, contractors, 1335 N. Clark, Chicago, Ill.
Johnson Gas Appliance Co., Cedar Rapids, Iowa.
Johnson Gear Co., 8th & Parker, Berkeley, Calif.
Johnson, George A., Co., Inc., oiled clothing, 5201 Leary av., Seattle, Wash.
Johnson, Geo. F., receiving condensers, Springfield, Ill.
Johnson, Geo. W., Mfg. Co., doors—elevator, fireproof, etc., Kansas City, Mo.
Johnson, Grafton, canned goods, Greenwood, Ind.
Johnson Granite Co., Lithonia, Ga., & Montpelier, Vt.
Johnson, Greenleaf & Son, lumber mfrs., Marine Bk. bldg., Baltimore, Md.
Johnson-Greenleaf Lumber Co., Norfolk, Va.
Johnson, H., architect, Farrell, Pa.
Johnson, H. F., & Sons, cornices, Kingston, Pa.
Johnson, H. H., Lbr. Co., Haughton, La.
Johnson, H. H., panel board cabinets, 277 Minna, San Francisco, Calif.
Johnson, H. S., architects, L. A. Ry. bldg., Los Angeles, Calif.
Johnson, H. S., Co., meat packers, Pawtucket, R. I.
Johnson Hardware & Implement Co., Greenville, Ala.
Johnson Hardware Co., Lafayette, Ind.
Johnson Hdwe. Co., 1217 Farnam av., Omaha, Neb.
Johnson Heat Regulating Co., 14 N. 12th, St. Louis, Mo.
Johnson, I. M., Co., architects, 3245 22d av. S., Minneapolis, Minn.
Johnson Ice Co., masons' & bldrs.' matls., Jamestown, N. Y.
Johnson Iron Works (Ltd.), Julia St., New Orleans, La
Johnson, Isaacs G., & Co., malleable iron & steel castings, railway track drills, Spuyten Duyvil, New York.
Johnson, Israel H., Jr., Co., machsts., 337 N. 15th, Phila., Pa.
Johnson, J. A., cornices, Middletown, Ohio.
Johnson, J. A., & Co., contractors, 115 S. 6th, Minneapolis, Minn.
Johnson, J. C., Lbr. Co., Addy, Wash.
Johnson, J. D., Co., machsts. & fndrs., 68 Charlton, Brooklyn, N. Y.
Johnson, J. D., Co., plbrs. supplies, 54 Fulton, Newark, N. J.
Johnson, J. G., Co., masons' & bldrs.' matls., Manitowoc, Wis.
Johnson, J. T., mill & facty. supplies, who. hdwre., Kingston, N. Y.
Johnson, Joel, contractor, 110 Jessie, San Francisco, Calif.
Johnson, John, lumber, Monroe, Wash.
Johnson, John, Co., pumps, mixers, filter presses, etc., 37th & 2d av., Brooklyn, N. Y.
Johnson, John, Co., tents & pipe & boiler covering, 305 Woodward av., Detroit, Mich.
Johnson, John, Constr. Co., 765 Abbott rd., Buffalo, N. Y.
Johnson, Jno. L., sash, door & blind mfr., 4250 Lincoln av., Chicago, Ill.
Johnson, John S., & Son, agricultural implements, Waukon, Ia.
Johnson, John W., granite, Burlington, Vt.
Johnson, Joseph, & G. M. Josselyn & Co., 56 Sacramento St., San Francisco, Cal.
Johnson, Jos. B., mach. dealer, Tampa, Fla.
Johnson, Kirk, & Co., pianos, Lebanon, Pa.
Johnson Knitting Mach. Co., St. Johnsville, N. Y.
Johnson, L. W., machy. dealer, Lake City, Fla.
Johnson, Lawrence, & Co., crude rubber, Lafayette Bldg., Phila., Pa.
Johnson Lthr. Co., decorative art lthrs., 211 W. 19th., New York.
Johnson Limestone Co., Geo. W., New Castle, Pa.
Johnson, Lincoln V., patent attorney, 57 Post, San Francisco, Calif.
Johnson, Louis, Bldg. Co., contrs., Yonkers, N. Y.
Johnson Lumber Co., masons' & bldrs.' matls., Kewanee, Ill.
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JOHNSON LUMBER COMPANY, 441 E. Water St., Milwaukee, Wis.
Pres.—George T. Johnson.

Johnson Lbr. Co., C. D., N. W. Bk. Bldg., Portland, Ore.
Johnson Lbr. Co., Leonard E., 1237 N. W. Bk. Bldg., Portland, Ore.
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Johnson, M. M., Co., cornices & skylights; incubators & brooders, Colton, Cal., & Clay Centre, Neb.
Johnson Mach. & Tool Co., sensitive drills, Gouverneur, N. Y.
Johnson Machine Co., The, Carlyle, Manchester, Conn.
Johnson, Magnus, contr., Santa Barbara, Cal.
Johnson-Mandeville Co., mill & facty. supplies, 496 Broad, Newark, N. J.
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Johnson, Meier, fndr., 155 Wendell, Chicago, Ill.
Johnson Milling Co., flour, Modesto, Cal.
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Johnson-Newton Co., auto ventilators, 208 Scherer bldg., Detroit, Mich.
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Johnson Oil Refining Co., Chicago Hts., Ill.
Johnson, Otto., bldg. contr., Duluth, Minn.
Johnson, P., children's cradles, 856 W. Erie, Chicago, Ill.
Johnson, P. P., & Son, contractors, Henderson, Ky.
Johnson Perfection Burner Co., Inc., burners for printing presses, 1965 E. 66th, Cleveland, Ohio.
Johnson, Peter & Sons, mill & facty. supplies, Decorah, Iowa.
Johnson-Peter Co., 45th & 1st Ave., Brooklyn, N. Y.
Johnson-Peter Co., iron & steel, tubing, etc., Terminal Warehouse, Pittsburgh, Pa.
Johnson, Phillip H., 1713 Samsom, Phila., Pa.
Johnson-Pollock Lbr. Co., Mt. Hebron, Cal.
Johnson, Richard H., Co., contractors, Wayne, Pa.
Johnson, Robt., Inc., contractor, 204 E. 58th, New York.
Johnson, Robt. W., architect, Corona, N. Y.
Johnson, S. N., masons' & bldrs.' matls., Laredo, Tex.

JOHNSON CO., S. T., 1337 Mission St., San Francisco, Calif.

Johnson, S. W., masons' & bldrs.' matls., Watertown, N. Y.

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Johnson-Van Vlaanderen Mach. Co., Paterson, N. J.
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Johnson, W. V., Fndry., machsts. & fndrs., St. Paul, Minn.
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Johnson Waterproof Glue Co., 60 California av., San Francisco, Calif.
Johnson-Weaver Chain Co., gears, Lebanon, Pa.
Johnson-Wentworth Lumber Co., Cloquet, Minn.
Johnson, Wm., 36 Brenner St., Newark, N. J.
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Johnson-Woodbridge Co., plate glass, 35 N. East, Indianapolis, Ind.
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Johnston & Co., cable & cotton cords, 12 Walker, New York.
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Johnston Chapman Co., 2925 Carroll Ave., Chicago.
Johnston Co., Geo. S., 5 S. Wabash Ave., Chicago.
Johnston Co., R. C., 633 Walnut St., Cincinnati, O.
Johnston Co., Wm. T., 415 E. 5th St., Cincinnati, O.
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Johnston Glass Co., Hartford City, Ind.
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Johnston Heating Co., 131 E. 26th St., New York.
Johnston-Hicks Mill Co., flour, Altamont, Ill.
Johnston, John, & Co., tin plate, etc., 311 W. Lake, Chicago, Ill.
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Johnston Mfg. & Supply Co., Inc., 208 N. Wells St., Chicago.
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Johnston, Thos. H., Harrisburg, Pa.
Johnston, Wm. G., Co., loose-leaf devices, 429 Wood, Pittsburgh, Pa.
Johnstone, J. T., & Co., crude rubber imps., 22 William, New York.
Johnstown Automobile Co., The, Johnstown, Pa.
Johnstown Mocha Mills Co., leather, Johnstown, N. Y.
Jointless Fire Brick Co., 1130 Clay St., Chicago.
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Joliet Forge Co., Joliet, Ill.
Joliet Foundry Co., Joliet, Ill.
Joliet Mfg. Co., Joliet, Ill.
Joliet Oil Tractor Co., gasoline & kerosene traction engines, Joliet, Ill.
Joliet Quarries Co., stone prod., Joliet, Ill.
Joliet Railway Supply Co., see Republic Railway Equipment Co., Inc. (successor).
Joliet Sand & Gravel Co., 343 S. Dearborn, Chicago, Ill.
Joliet Sash & Door Co., Joliet, Ill.
Joliet Wall Paper Mills, Joliet, Ill.
Joliet Wrought Washer Co., sheet metal stampings & washers, 2001 Collins, Joliet, Ill.
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Jones & Co., Trevor F., 374 W. Broadway, New York.
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Jones & Dunn, Jennie, Ark.
Jones & Green, Big Rapids, Mich.
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Jones Car Door Co., 53 W. Jackson Blvd., Chicago.
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Jones, E. J., & Co., sash, door & blind mfrs., 406 W. Spring, Columbus, Ohio.
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Jones Electric & Radio Mfg. Co., crystal detectors, 120 E. Lexington, Baltimore, Md.
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Jones Lumber Co., The, R. T., Bridge St., North Tonawanda, N. Y.
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Jones Machine Tool Works, Media & Edgewood Sts., Philadelphia, Pa.
Jones, MacNeal & Camp, Warsaw, Ind.
Jones Mfg. Co., 243 Franklin St., Boston, Mass.
Jones Mfg. Co., D. F., Gananoque, Ont., Can.
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Jones Radio Co., V. T., control panels, 384 Monroe, Brooklyn, N. Y.
Jones, Robt. L., Slate Mfg. Co., roofing slate mfrs., Delta, Pa.
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Jones, Thos. P., & Sons, contractors, Nanticoke, Pa.
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Jonesboro Handle Co., shovel handles—ash, Jonesboro, Ark.
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Joplin Hdwe. Co., Joplin, Mo.
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Joplin Supply Co., Joplin, Mo.
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Jordan, Rufus K., mach. & fndrs., Westbrook, Me.
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Joseph Co., David J., 3140 Hall St., St. Louis, Mo.
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Joseph Iron Co., scrap iron & steel, Aurora, Ill.
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Joslyn Mfg. & Supply Co., Chamber of Commerce Bldg., Chicago.
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Jourdan, C. R., & Son, canned goods, Darlington, Md.
Jourdan, I., cement constr., Selma, Calif.
Jourdan Packing Co., meat, 818 W. Cullerton, Chicago, Ill.
Journal of Electricity, trade publication, Rialto bldg., San Francisco, Calif.
Journal Oil Co., lubrg., Bradford, Pa.
Jova Brick Wks., Roseton, N. Y.
Joy & Kelsey, radio app., 4021 W. Kinzie, Chicago, Ill.
Joy, A. W., Co., meat packers, Bangor, Me.
Joy Bros., cornices, Johnstown, Pa.
Joy Ball Bearing Co., 457 N. Racine Ave., Chicago.
Joy, Chas. H., machsts., 457 N. Racine av., Chicago, Ill.
Joy Machine Company, Union Arcade, Pittsburgh, Pa.
Joy, Leander F., stone producers, Peabody, Mass.
Joy Mfg. Co., Inc., 545 Pico st., Long Beach, Calif.
Joy, Sam'l S., jacks, wrenches, carriage & wagon, Rockingham, N. H.
Joy, T. B., lbr., Bodega, Calif.
Joy-Tarbell Lumber Co., 208 S. La Salle St., Chicago.
Joy, Walter A., stone producers, Poughkeepsie, N. Y.
Joyce Bros. & Co., contrs., Keokuk, Ia.

JOYCE-CRIDLAND COMPANY, THE, South Linden Ave., Dayton, O.
Pres. & Gen. Mgr.—Wm. F. Bippus.
V. P. & Asst. Gen. Mgr.—J. M. Switzer.
Secy. & Treas.—H. W. Pearce.
Chicago—Crerar, Adams & Co.
Denver, Colo.—Hendrie and Bolthoff.
New Orleans, La.—Standard Supply and Hdwe. Co.
New York—100 E. 42nd St.
Philadelphia, Pa.—DeHuff & Hopkins.
Richmond, Va.—B. Palmer Claiborne.
St. Louis, Mo.—Handlan-Buck Mfg. Co.
San Francisco, Cal.—C. H. Small Company.

Joyce Filing Co., The Edw. J., 56 W. Washington St., Chicago.
Joyce-Koebel Co., Inc., The (Diamond Tools), 39 W. 32nd St., New York.

JOYCE-WATKINS COMPANY, 410 N. Michigan Blvd., Chicago.
Brunswick, Ga.—J. P. Davenport.
Hattiesburg, Miss.—Carter Bldg., P. M. Golden.
Metropolis, Ill.—Box 152, J. R. Nelson.
New York City—8 West 40th St., Jos. Juller.
St. Louis, Mo.—780 Arcade Bldg., H. C. Ost.

Joyce Watkins Co., ties, poles & posts, Brunswick, Ga.
Joyner Hdwe. Co., Inc., Petersburg, Va.
Jubilee Incubator Co., Sunnyvale, Cal.
Jubilee Mfg. Co., Omaha, Neb.
Judd & Co., R. D., 144 Lincoln St., New Britain, Conn.
Judd & Leland Mfg. Co., Clifton Springs, N. Y.
Judd Co., H. L., 87 Chambers St., New York.
Judd Coal Co., masons' & bldrs.' matls., Bristol, Conn.
Judd Laundry Mach. Co., 844 W. Adams St., Chicago.
Judd Paper Co., tablets & pads, Holyoke, Mass.
Judd, Walter S., granite, Swanton, Vt.
Judd, Wm. F., masons' & bldrs.' matls., Dowagiac, Mich.
Judelshon, Oscar I., machsts., 36 E. 8th, New York.
Judge, Harry W., machsts., 236 Pearl, Brooklyn, N.Y.
Judge, W. Elliott, maps, 24 California, San Francisco, Calif.
Judkins, J. B., Co., auto. metal bodies, carriages, Merrimac, Mass.
Judlin, Peter, masons' & bldrs.' matls., 2331 N. Rampart, New Orleans, La.
Judson & Williams, Holyoke, Mass.
Judson, C. P., & Co., mill & facty. supplies, Big Rapids, Mich.

JUDSON GOVERNOR COMPANY, THE, Rochester, N. Y.

Judson Cutlery Co., oil cloth knives, 41 Union sq., New York.
Judson Mfg. Co., 604 Mission av., San Francisco, Calif.
Judson Mfg. Co., Carl A., 4107 W. Kinzie st., Chicago,
Judson Pin Co., Rochester, N. Y.
Judson Studios, floor mosaics & tile, 200 E. av. 66, Los Angeles, Calif.

Judson, W. H., Art Glass Co., 200 E. av., Los Angeles, Cal.
Juengst, George, & Son, machsts., Croton Falls, N. Y.
Juhasz Carburetor Co., 244 W. 49th St., New York.
Julian, Jas., stone producers, Madisonville, Ohio.
Julian Milling Co., flour, Julian, N. C.
Julian, W. A., Co., cornices & skylights, Tucson, Ariz.
Jumbo Plaster & Cement Co., Sigurd, Utah.
Junction City Mfg. Co., Junction City, Ga.
Junction City Lbr. Co., Urbana, Ark.
Junction City Sewer Pipe Co., Junction City, Ohio.
June Machinery Co., D., Waco, Tex.
Jung Carriage Co., Sheboygan, Wis.
Juniata Furnace & Foundry Co., Front & Girard Sts., Philadelphia, Pa.
Jungelaus, W. P., Co., contractors, 827 Mass. av., Indianapolis, Ind.
Jungers Stove & Range Co., Grafton, Wis.
Juniata Furnace & Fdy. Co., Newport, Pa.
Junior Galvanizing Works, 1707 E. Washington, Los Angeles, Calif.
Junior Monarch Hay Press Co., San Leandro, Calif.
Junior Wheel Guards Co., 651 S. Clarence st., Los Angeles, Calif.
Junkunc Brothers, 1145 W. Garfield Blvd., Chicago.
Junod, P., & Co., fishing tackle mfrs., Celina, Ohio.
Jurack, Charles, 600 S. Pierce St., Milwaukee, Wis.
Jurras Granite Co., Montpelier, Vt.
Juruick Engineering Corp., Allentown, Pa.
Just, Geo. A., Co., contractors, 239 Vernon av., Long Island City, N. Y.
Juster, Harry, mason, Hartford, Conn.
Justice & Co., Philip S., 421 Chestnut St., Philadelphia, Pa.
Justice, A. R., Co., silver polish, 612 Chestnut, Philadelphia Pa.
Justice Coal & Lime Co., masons' & bldrs.' materials, Camden, N. J.
Justice, F. T., & Co., masons' & bldrs.' matls., Lexington, Ky.
Justice, J. H., flour mills, Hillsboro, Tenn.
Justin Mill & Elevator Co., flour, Justin, Tex.
Justis, J. G., Co., masons' & bldrs.' matls., Newport, Del.

JUSTRITE MANUFACTURING CO., INC., 2051 Southport Ave., Chicago.
Pres.—Fred J. Becker.
1st V. P.—L. A. Becker.
2nd V. P.—W. J. Frisbie.
Sec.—W. Raster.
Treas.—W. J. Reinke.

Justus & Parker Co., The, 129 E. Gay St., Columbus, O
Justus Plumbing & Heating Co., Massillon, Ohio.
K.-B. Mfg. Co., bakelite molders, 222 8th, San Francisco, Calif.
K-B Pulverizer Company, Inc., 92 Lafayette St., New York.
K. C. Elevator Mfg. Co., 2601 Madison av., Kansas City, Mo.
K. D. Carburetor Co., Hamilton & Marquette, Cleveland, Ohio.
K-D Lamp Co., 112 W. 3d, Cincinnati, Ohio.
K. P. F. Elec. Co., switches, 855 Howard, San Francisco, Calif.
K-E-M Co., Inc., 474 Sterling Pl., Brooklyn, N. Y.
K-G Welding & Cutting Co., Inc., 556 W. 34th St., New York, N. Y.
K. H. Sign Mfg. Co., 819 Locust St., Pitsburgh, Pa.
K. L. P. Furn. Co., Ltd., Dept. H., Carry, Pa.
K P F Electric Co., 37 Stevenson St., San Francisco, Cal.
K-W Ignition Co., The, E. 30th St. & Chester Ave., Cleveland, O.
K & B Co., 495-497 N. 3rd St., Philadelphia, Pa.
K. & B. Packing & Prov. Co., 1525 Blake, Denver, Colo.
K. & C. Mfg. Co., rims—auto, carriage & wagon wheel, Henniker, N. H.
K. & K. Timber Co., Inc., cedar poles, Everett, Wash.
K. & K. Brick Co., Merchants National Bank Bldg., Los Angeles, Calif.
K. & M. Brass & Aluminum Co., castings, Harvard & E. 108th, Cleveland, Ohio.
K. & O. Co., cigar cutters & bottle openers, 366 Butler, Brooklyn, N. Y.
K. & S. Scales Co., The, 4325 Ravenswood Ave. Chicago.
K. & S. Specialty Mfg. & Sales Co., drinking fountains, Cleveland, Ohio.
K. & W. Rubber Co., tube reliners, Ashland, Ohio.
Kaaz Mfg. Co., sashes, doors & blinds, Atchison, Kans.
Kadel, L. J., cornices & skylights, 914 Church, Nashville, Tenn.
Kaestner & Hecht Co., elevators, 1500 N. Branch St., Chicago.
Kaetker Saw Machine Co., The, 4525 Mitchell Ave., Cincinnati, O.
Kaestner, August J., carriages, 412 Cedar, Milwaukee, Wis.
Kagel Bros., fndrs., 1208 St. Paul, Milwaukee, Wis.
Kahan Mach. Works, 12 N. Market, Chicago, Ill.
Kahl Iron Foundry, Fred'k, 537 E. Atwater St., Detroit, Mich.
Kahl, Fred'k, Iron Foundry, 2111 E. Atwater, Detroit, Mich.
Kahl-Holt Co., tin plate, metals, etc., 111 S. Charles, Baltimore, Md.
Kahle, Wm., jwlry. cases, 21 Broomfield, Boston, Mass.
Kahlenberg Bros. Co., Two Rivers, Wis.
Kahler Co., automobile dashes, New Albany, Ind.
Kahn, A., masons' & bldrs.' matls., Petaluma, Cal.
Kahn Bros., old metal, smelters & refiners, 785 Humboldt, Brooklyn, N. Y.
Kahn Brick Co., A. G., Selma, Ala.
Kahn, Jacques, wholesale window & plate glass, 533 W. 37th, New York.
Kahn Mfg. Co., overalls, Mobile, Ala.
Kahn's, E., Sons Co., meat packers, 519 Livingston, Cincinnati, Ohio.
Kahnweiler, S. B., & Co., cutlery, shaving brushes, etc., 393 B'way, New York.
Kahnweilers Sons, David, 20 Dover St., New York.
Kahoka Evaporated Milk Co., Kahoka, Mo.
Kailen, M., & Son, soap, Madison, Wis.
Kain Fixture & Brass Works, hdwe., railings ,etc., 113 W. Ann, Los Angeles, Calif.
Kainer & Company, Inc., 761-763 Mather St., Chicago.
Kaipers, Charles, Sons, 221 Greenup, Cincinnati, Ohio.
Kaiser, F. C., & Son, mach. knives, Muncie, Ind.
Kaiser, H., Buggy Co., Kenton, Ohio.
Kaiser, Jacob, Mfg. Co., beds & mattresses, 3rd & Elm, St. Louis, Mo.
Kaiser, John, & Bros. Co., contractors, Elyria, Ohio.
Kaiser, John H., Lbr. Co., Eau Claire, Wis.
Kaiser Paving Co., American Bank bldg., Oakland, Calif.
Kalama Lbr. & Shingle Co., Corbett bldg., Portland, Ore.
Kalamazoo Advtg. Co., spec., Kalamazoo, Mich.
Kalamazoo Broom Co., Kalamazoo, Mich.
Kalamazoo Foundry & Machinery Co., Kalamazoo, Mich
Kalamazoo Label Co., Kalamazoo, Mich.
Kalamazoo Loose Leaf Binder Co., Kalamazoo, Mich.
Kalamazoo Mach. & Tool Co., Kalamazoo, Mich.
Kalamazoo Malleable Iron Co., Kalamazoo, Mich.
Kalamazoo Match Plate & Fdry. Co., Kalamazoo, Mich.
Kalamazoo Motors Corp., Kalamazoo, Mich.
Kalamazoo Paper Co., Kalamazoo, Mich.
Kalamazoo Plating Works, Kalamazoo, Mich.
Kalamazoo Pump Co., water supply outfits, Kalamazoo, Mich.
Kalamazoo Railway Supply Co., Reed St., Kalamazoo, Mich.
Kalamazoo Rendering & Fertilizer Co., Kalamazoo, Mich.
Kalamazoo Sanitary Mfg. Co., plbrs.' earthenware, Kalamazoo, Mich.
Kalamazoo Sheet Metal Mfg. Co., Kalamazoo, Mich.
Kalamazoo Soap Co., Kalamazoo, Mich.
Kalamazoo Specialty Co., lawn clothes dryers, Kalamazoo, Mich.
Kalamazoo Spring & Axle Co., Kalamazoo, Mich.
Kalamazoo Sled Co., Kalamazoo, Mich
Kalamazoo Stationery Co., Kalamazoo, Mich.
Kalamazoo Steel Goods Company, 410-412 East Ransom St., Kalamazoo, Mich.
Kalamazoo Stove Co., Kalamazoo, Mich.
Kalamazoo Tank & Silo Co., Kalamazoo Mich.
Kalamazoo Vegetable Parchment Co., Kalamazoo, Mich.
Kalb, Adam, machy. dlrs., 162 Grand, New York.
Kalbach Lumber Co., Oskaloosa, Ia.
Kalbert, Adolph, & Son, cornices & skylights, 170 E. 3d, New York.
Kalbfleisch Corp., 200 Fifth Ave., New York.
Kalbfleisch Supply Co., mill & facty. supplies, Watertown, N. Y.
Kalbfleisch, Theo. F., Glens Falls, N. Y.
Kalbitzer Packing Co., meat packers, 4128 Water, Wheeling, W. Va.
Kaldenberg Trad'g Co., billiard & pool balls, ivory imptrs., etc., 433 Broome, New York.
Kale Canning Co., Everson, Wash.

KALES STAMPING CO. (stampings of any metal, blanked, drawn, formed & machined to order; automobile accessories; pressed steel specialties; washers; etc.), 1680 W. Lafayette Blvd., Detroit, Mich.

Kaley, L. J., architect, City Hall, Binghamton, N. Y.
Kali Mfg. Co., chemicals, 1410 N. Front, Phila., Pa.
Kalispell Lumber Co., Kalispell, Mont.
Kalispell Mercantile Co., wholesale hdwre. & mill & factory supplies, Kalispell, Mont.
Kall, P. J., contractor, Moorhead, Minn.
Kalman, Jos., & Son, cornices, 361 Chelsea, E. B., Boston, Mass.

KALMAN STEEL COMPANY, 410 N. Michigan Ave., Chicago.

Kalmath River Packers' Assn., canned goods, Requa, Calif.
Kalo Brick & Tile Co., Kalo, Ia.
Kalo Brick & Tile Co., Fort Dodge, Ia.
Kalt Lumber Co., 320 E. 64th St., New York.
Kaltenthaler, H. J., 234 Cherry St., Philadelphia, Pa.
Kaltenbach & Griess, steel struct. wk., Chamber of Commerce bldg., Cleveland, Ohio.
Kalter & Rolnick Iron Wks., 415 Dumont av., Brooklyn, N. Y.
Kaminski Hdwe. Co., Georgetown, S. C.
Kamargo Supply Co., mill & facty. supplies, Watertown, N. Y.
Kampeska Materials Co., Watertown, S. D
Kamerman, Israel, plbrs.' suppls., 1642 Park av., New York.
Kaminsky, Louis, Co., scrap iron and steel, Houston, Texas.
Kamman, Hy. A., meat packers, 447 Bailey av., Buffalo, N. Y.
Kamman Mfg. Co., Walter, 3258 Spring Grove Ave., Cincinnati, O.
Kammer, Friedman & Co., 3018 E. 55th, Cleveland, Ohio.
Kammer & Ertle, cornices & skylights, Massillon, Ohio.
Kammerer, Edward W., architect, Lebanon, Ore.
Kampfe Co. (see Am. Safety Razor Corp., successor.
Kamso Corp., 34 Barclay, New York.
Kanawha & Hocking Coal & Coke Co., Union National Bank bldg., Cleveland, Ohio.
Kanawha Brick Co., common, Charleston, W. Va.
Kanawha Mfg. Co., Charleston, W. Va.
Kandel Concrete Co., contrs., 100 W. 117th, New York.
Kandem Electric Co., Inc., 152 Chamber, New York.
Kan-Dor Electric Co., 1815 E. 60th, Los Angeles, Calif.
Kane & Keyser Hardware Co., Belington, W. Va.
Kane & Roach, Niagara-Skannard St., Syracuse, N. Y.
Kane Blind & Screen Co., Kane, Pa.
Kane Brick Co., Kane, Pa.
Kane Brick & Tile Co., St. Marys, Pa.
Kane Glass Co., Kane, Pa.
Kane Co., John P. (Mason Supp.), 103 Park Ave., New York.
Kane, H. S., canned goods, Brooklin, Me.
Kane, John, tubular boilers, Nyack, N. Y.
Kane Mfg. Co., Kane, Pa.
Kane Mfg. Co., Wm., 1903-15 E. Hagert St., Philadelphia, Pa
Kane, Michael, Brick Co., 190 New Park av., Hartford, Conn.
Kane Supply Co., Kane, Pa.
Kanfia Lumber Co., Holt, Fla.
Kankakee Automobile Co., Kankakee, Ill.
Kankakee Foundry Co., Kankakee, Ill.
Kankakee Tile & Brick Co., Kankakee, Ill.
Kann, Robt., chemist, 124 Front, New York.
Kanner, Samuel, razor stroppers, 75 10th, Long Island City, N. Y.
Kanotex Refining Co., The, Arkansas City, Kan.
Kanouse Lumber Co., H. W., 1110 Ford Bldg., Detroit, Mich.
Kanoy, C. E., lbr., Biscoe, N. C.
Kansas Buff Brick & Mfg. Co., Buffville, Kans.
Kansas City Bolt & Nut Co., Sheffield Steel Mills, 7200 Independence Ave., Kansas City, Mo.
Kansas City Bridge Co., Water Works Bldg., Kansas City, Mo.
Kansas City Elevator Mfg. Co., 2601 Madison, Kansas City, Mo.
Kansas City Fibre Box Co., Parkers Station, Kansas City, Kan.
Kansas City Foundry Co., Kansas City, Kans.
Kansas City Furnace Co., 826 W. 6th St., Kansas City, Mo.
Kansas City Hay Press Co., Ft. 4th St. Viaduct, Kansas City, Mo.
Kansas City Mach. Wks., Kansas City, Mo.
Kansas City Packing Box Co., Kansas City, Mo.
Kansas City Printing Ink Co., 400 Broadway, Kansas City, Mo.
Kansas City Pump Co., 1312 W. 10th St., Kansas City, Mo.
Kansas City Rubber & Belting Co., pckg. mfrs., 710 Delaware, Kansas City, Mo.
Kansas City Scale & Supply Co., Kansas City, Mo.
Kansas City Slate & Tile Roofing Co., 2928 Forest Ave., Kansas City, Mo.
Kansas City Slide Co., moving picture films & lantern slides, New Central bldg., Kansas City, Mo.
Kansas City Soap Co., Kansas City Kans., and Shawanee & R. R., Kansas City, Mo.
Kansas City Stained Glass Wks. Co., 700 Baltimore, Kansas City, Mo.
Kansas City Structural Steel Co., 114 W. 10th St., Kansas City, Mo.
Kansas City Terra Cotta & Faience Co., 19th & Manchester av., Kansas City, Mo.
Kansas City Testing Laboratory, Kansas City, Mo.
Kansas City White Metal Co., 62nd and N. 2nd St., Kansas City, Mo.
Kansas City Wire & Iron Wks., 1423 Oak St., Kansas City, Mo.
Kansas Co-operative Refining Co., Kansas City, Mo.
Kansas Co-operative Refg. Co., Chanute, Kan.
Kansas Milling Co., flour, Wichita, Kans.
Kansas Oil Refining Co., Coffeyville, Kan
Kantbrake Trunk Factory, 768 N. Broadway, Los Angeles, Calif.
Kanter Co., R. J., 647 Water St., New York.
Kantor Bros., plbrs. & steam fitters supplies, 205 Waverly, Newark, N. J.
Kantor, L., & Co., interior woodwork, 449 W. 41st, New York.
Kant-Rust Products Corp., Lincoln Highway, Rahway, N. J.
Kant-Skore Piston Co., Spring Grove av., Cincinnati, O.
Kant Slip Mfg. Co., 6354 St. Lawrence Ave., Chicago.
Kantslip Co., cabinet benches, clamps, gauges, trucks, etc., Freeport, Mich.
Kanzler, Chris., & Son, contractors, 500 Turn. bldg., Evansville, Ind.
Kapallo Mfg. Co., marble, 1 Pershing sq., New York.
Kaplan Furn. Co., Dept. H, Cambridge, Mass.
Kaplan, L., scrap rubber, Salem, Ohio.
Kaplan, Morris Co., furniture, 306 Lacka. av., Scranton, Pa.
Kapowsin Mill Co., lbr., Kapowsin, Wash.
Kapp, A. Jos., Sons, Ivory Co., billiard & pool balls, 124 E. 14th, New York.
Kappen, F. H., & Son, mill & facty. supps., 93 W. Water, Milwaukee, Wis.
Kappler-Fox Fdry. Co., stove mfrs., York & Thompson, Philadelphia, Pa.
Kaps Bros., contractors' & masons' & bldrs.' matls., Portsmouth, Ohio.
Kar Engineering Co., Inc., machsts., 79 E. 130th, New York.
Karamin Lbr. Co., Republic, Wash.
Karas Electric Co., 4040 N. Rockwell St., Chicago.
Karasik, Friedman & Co., 233 Broadway, New York.
Karbatzki, J. B., & Son, machsts., 1302 W. 22nd., Chicago, Ill.
Karcher & Rehn Co., furniture, 1608H Chestnut, Philadelphia, Pa.
Karcher, D. Percy, 76 Summer St., Boston, Mass.
Karcher, Jacob, mattresses, Castorland, N. Y.
Kardex Sales Co., Inc., Tonawanda, N. Y. (See American Kardex Co., Inc.)
Kardong Bros., metal bending machy., Minneapolis, Minn.
Karelsen, E., 15 W. 44th, New York.
Karelsen, E., glass cutters, 68 Nassau, New York.
Karg Bros., leather, Johnstown, N. Y.
Karge-Baker Corporation, Phoenix, N. Y.
Karge, Frank, stone, 5831 Bishop, Chicago, Ill.
Karges Furniture Co., Evansville, Ind.
Karges Wagon Co., Evansville, Ind.
Karle & Sons, saws, joiners, 142 Chicago, Buffalo, N. Y.
Karle, A., carriages, St. Joseph, Mo.
Karle Litho Co., 444 Central av., Rochester, N. Y.
Karlowa Radio Co., Rock Island, Ill.
Karminiski & Co., Inc., Victor E., 291 Broadway, New York.
Karnes Bros., canned goods, Buchanan, Va.
Karnes, Howard, harness, etc., Knoxville, Tenn.
Karnes, W. M., & Sons., contrs., Paducah, Ky.
Karol & Sons Co., B., 800 S. Kedzie Ave., Chicago.

KARPEN & BROS., S., 636-678 W. 22nd St., Chicago.
Pres.—Solomon Karpen.
V. P.—Mike Karpen.
Secy. & Treas.—Adolph Karpen.
Michigan City, Ind.—Martin S. Karpen.
New York—Office and Exhibition Bldg., 37th & Boardway, Leopold Karpen.

Karper's, Chas., & Sons, furniture, 307H, W. Pearl, Cincinnati, Ohio.
Karr Portable House Co., 2554 W. Irving Pk., Chicago.
Karr Supply Co., Belleville, Ill.
Karrer Co., E. H., 246 W. Water St., Milwaukee, Wis.
Karry-Lode Industrial Truck Co., Inc., 98-100 Nott Ave., Long Island City, N. Y.
Kartheiser, Frank, sash, door & blind, Menominee, Mich.
Karus, Sigmund, machsts. & fndrs., Wausau, Wis.
Kasch Roofing Co., Akron, O.
Kasebier-Chatfield Shellac Co., 7 Cedar St., New York.
Kasenite Co. (Harding Compounds), 2 Stone St., New York.
Kaseno Products Co., glue, paints, etc., 3400 13th av., S. W., Seattle, Wash.
Kashner, C. W., & Son, architects, Lafayette, Ind.
Kasota Marble & Tile Co., Kasota, Minn.
Kasper & Koetzle Hdwe. Co., 565 Bushwick Ave., Brooklyn, N. Y.
Kasper Stamp & Seal Co., 1103 Locust St., St. Louis, Mo.
Kast Copper & Sheet Iron Co., 91 Main St., Buffalo, N. Y.
Kasten & Schmuke Pressed Brick Co., Jackson, Mo

KASTENHUBER & LEHRFELD, platinum refiners, 24 John, New York.

Kastens, Hy., time recorders & stamps & numbering machs., 413 W. 27th, New York.
Kaster, P. M., agricultural implts., Rimersburg, Pa.
Kastler, J. G., & Co., archts., Det. Bk. Bldg., Detroit, Mich.
Kastner, A. & J. B., cornices & skylights, Tacoma, Wash.
Kastner, Chas., cornices & skylights, Salina, Kan.
Kastor & Bros., A., 109 Duane St., New York.

KASTOR & SONS, H. W., (Advt. Agency), Lytton Bldg., Chicago.

Katchen, Barnett Iron Wks., 107 Hunterdon, Newark, N. J.
Katten, Arthur A., Inc., overalls, 528 Beinville, New Orleans, La.
Katterjohn, F. W., Const. Co., masons' & bldrs.' matls., Paducah, Ky.
Kattmann & Kneeland Tent Co., Houston, Tex.
Katx Bros., Leather Goods Co., 135 W. 20th St., New York.
Katz Constr. Co., 1817 Douglas, Omaha, Neb.
Katzenbach, F. S., & Co., see Trenton Hdwe. Co. (successor).
Katzenstein & Co., L., 353 West St., New York.

Katzinger, Edw., Co., confectioners' gas furnaces, dough dividing machines, 1959 N. Cicero, Chicago, Ill.
Kaucher, Hodges & Co., contrs., Memphis, Tenn.
Kauffman, F. A., Mfg. Co., canned goods, 106 S. 2nd, St. Louis, Mo.
Kauffman, Harry M., machsts., Windom, Pa.
Kauffman, J. L., machsts. & fndrs., Garden City, Mo.
Kauffman Metal Products, fly wheel bands & auto parts, Bellefontaine, Ohio.
Kauffman, Norton Co., gas heaters & furnaces, Rialto Bldg., San Francisco, Calif.
Kauffman Pasteurizer Co., Three Rivers, Mich.
Kauffman-Yattimere Co., 263 N. Front St., Columbus, O.
Kaufherr & Co., leather, 42 Garden, Newark, N. J.
Kaufherr & Siegel, leather, 200 Magazine, Newark, N. J.
Kaufman & Co., E. L. Liberty & Fay, Baltimore, Md
Kaufman, A. G., Mfg. Co., stoves, heaters, etc., 21 E. 14th, New York.
Kaufman Architectural Co., archts., 5511 Euclid, Cleveland, Ohio.
Kaufman, Benj., & Sons, prepared cereal foods, etc., 190 Stanton, New York.
Kaufman, Chas., & Sons, auto mirrors, 1623 E. 21st, Santa Ana, Calif.
Kaufman, David, & Sons Co., scrap iron & steel, Elizabeth, N. J.
Kaufman, E., & Co., Inc., alloy & carbon steel & steel bars, shovels, 143 Liberty, New York.
Kaufman Hardware Co., Anderson, Ind.
Kaufman, Jacob, Co., fertilizer mfrs., Seattle, Wash.
Kaufman, Jos., cereal foods, 148 Ludlow, New York.
Kaufman Machy Co., dealers, 89 Center, New York.
Kaufman Mfg. Co., spring beds, etc., Ashland, Ohio.
Kaufman Milling Co., prepared cereal foods, etc., 148 Ludlow, New York.
Kaufman, W. R., archt., Amarillo, Tex.
Kaufmann Bros. & Bondy, smoking pipes, 33 E. 17th, New York.
Kaufmann, K., & Co., bags & suit cases, 169 Murray, Newark, N. J.
Kaufmann, Killan & White, archts., 110 E. 23d, New York.
Kaukauna Lumber & Mfg. Co., Kaukauna, Wis.
Kaukauna Machine Works, paper mill machy., Kaukauna, Wis.
Kaukauna Pulp Co., Kaukauna, Wis.
Kaul & Hall Lumber Co., St. Marys, Pa.
Kaul Clay Mfg. Co., Toronto, O.
Kaul, J. & A., machsts. & fndrs., St. Mary's Pa.
Kaul Lumber Co., Empire Bldg., Birmingham, Ala.
Kaumagraph Co., trade mark transfers, 350 W. 3d, New York.

KAUSTINE CO., INC., Wilson Bldg., Buffalo, N. Y.

Kaulback, W. S., masons' & bldrs.' mtls., Malden, Mass.
Kausel, John, machinist, Minneapolis, Minn.
Kaustine Co., Inc., closets, heaters, roofing & tanks, H Niagara Life Bldg., Buffalo, N. Y.
Kautenberg, W. E., Co., broom handles, mop sticks, Freeport, Ill.
Kauzor Bros., archits., Dol. Sav. & Tr. Bldg., Pittsburgh, Pa.
Kautz, Fred C., & Co., name plates, rubber stamps, stencils, etc., 2633 W. Lake, Chicago, Ill.
Kautz Mfg. Co., sash, doors, etc., 891 Nicolai, Portland, Ore.
Kavanagh Bros. & Co., 1234 W. Kinzie St., Chicago.
Kavanagh Bros. Co., crushed stone & granite, Quincy, Mass.
Kavanaugh Bros. Co., Quincy, Mass.
Kavanaugh, Daniel, lumber, Williamsport, Pa.
Kavanaugh, Geo. W., mill & facty. supps., Cohoes & Utica, N. Y.
Kavanaugh, Patrick H., cornices, Peoria, Ill.
Kavanaugh Sand Co., Memphis, Tenn.
Kaw Boiler Works Co., Kansas City, Kan.
Kaw Milling Co., flour, Topeka, Kan.
Kaw Paving Co., Topeka, Kan.
Kaw River Sand & Material Co., Turner, Kansas City, Mo.
Kawin Co., Charles C., 431 S. Dearborn St., Chicago
Kawneer Co., store fronts, moldings, etc., 1226 Front, Niles, Mich.
Kawneer Mfg. Co. of Cal., store fronts & window sashes, 8th & Dwight Way, Berkeley, Calif.
Kawneer Manufacturing Company, Niles, Mich.
Kay & Ess Co., The, Leo & Kiser Sts., Dayton, O.
Kay Bee Mfg. Co., auto lamps, traffic signals, etc., 3508 S. Park av., Los Angeles, Calif.
Kay-Brunner Steel Casting Co., 2720 Frederick, Los Angeles, Calif.
Kay, Chas., oil cups, 5037 Burns av., Detroit, Mich.
Kay Co., Inc., The, High St.,& Boyden Pl.,Newark,N.J
Kay, H. E. (Est. of), machsts. & fndrs., 1836 S. Main, Fall River, Mass.
Kay Lbr. Co., 133 S. 12th, Philadelphia, Pa.
Kay Motor Supply Co., Inc., Los Angeles, Cal.
Kay, T., Woolen Mill Co., Salem, Ore.
Kayline Co., The, 600 Huron Road, Cleveland, Ohio
Kayser & Allman, wall paper mfrs., 1522 Chestnut, Philadelphia, Pa.
Kayser & Co., Julius, (Gloves, Hosiery, Etc.), 353 4th Ave., New York.
Kayser Tanning Co., 3914 N. Broadway, St. Louis, Mo.
Kaysing Iron & Fndy. Co., ornamental iron & struct'l steel, 2710 N. 20th, St. Louis, Mo.
Kaysville Canning Corp., Kaysville, Utah.
Kazoo Go-Bang Co., toys, Kalamazoo, Mich.
Keafer, L., billiard & pool tables, 329 W. Girard av., Philadelphia, Pa.
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Keagy, Henry W., lumber, Hagerstown, Ind.
Kearby, E. J., & Co., adv. spec., St. Joseph, Mo.
Kearfott Engineering Co., Inc., 95 Liberty St., New York.
Kearney Flour Mills, Kearney, Neb.
Kearney Fdry., Mach. & Auto Co., Kearney, Neb.
Kearney Hdwe. Co., cornices & skylights, Kearney, Neb.
Kearney, J. Watts, & Sons, masons' & bldrs.' matls., 514 S. Peters, New Orleans, La.
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Kearney-Trecker Corp., West Allis, Milwaukee, Wis.
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Kearns Furn. Co., Dept. H, Highpoint, N. C.
Kearns, Gorsuch Bottle Co., Zanesville, Ohio.
Kearns Motor Truck Co., Beavertown, Pa.
Kearns, P. J., Contr. Co., 2306 Creston av., New York.
Kearns, T. A., Co., contrs. & dock bldrs., 343 S. Dearborn, Chicago, Ill.
Kearsage Peg Co., Bartlett, N. H.

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WIS.—Milwaukee—456 Broadway.

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Keck-Gonnermann Co., Mount Vernon, Ind.
Keckonen Hdwe Co., Calumet, Mich.
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Keeble, Alex. K., machsts. & fndrs., Lawrence, Mass.
Keefe, John J., Co., see Keefe Constr. Co. (successors).
Keefe, Lawrence (Est.), machsts. & fndrs., Thibodeau, La.
Keefer & Maxwell, sweaters, etc., Camillus, N. Y.
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Keen, W. F., & Co., sash, door & blind mfrs., 4317 York rd., Baltimore, Md.

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Keenan, Thos. R., racing boats & spoon oars, 249 Jefferson, San Francisco, Calif.
Keene & Co., G. C., 2327 Florence, Cincinnati, O.
Keene-Belvidere Canning Co., Belvidere, Ill.
Keene Bros. Mach. Co., Elkhart, Ind.
Keene Canning Co., Freeport, Ill.
Keene Glue Co., Keene, N. H.
Keene Mica Products Co., Keene, N. H.
Keene, R. A., & Son, canned goods, Poland, Me.
Keene Woodenware Co., Keene, N. H.
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Keep Bros., mill & facty. supps., 225 Sansom, Philadelphia, Pa.
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Keery, Thos., Co., chemicals, Hancock, N. Y.
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Kees Mfg. Co., F. D., Beatrice, Neb.
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Keesee & Chamberlin Bros., common brick, Litchfield, Ill.
Keesee Mfg. Co., Inc., gasoline pumps, 731 W. Belgrade av., Huntington Park, Calif.
Keesing & Son, flour mills, Cedar Springs, Va.
Keeveny, T. W., Lbr. Co., 1045 W. 8th, Cincinnati, O.
Keever Starch Co., Chamber of Commerce Bldg., Columbus, Ohio.
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Keffler Bros., machsts., Malvern, Ohio.
Kegler, G. F., granite producers, Plymouth, Wis.
Kehl, G., & Son Co., contrs., 1225 N. Maplewood av. Chicago, Ill.
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Kehm Bros. Co., heating contrs., high & low pressure, 15 W. Kinzie, Chicago, Ill.
Kehm, Jno. R., Co., heating contrs., 8 E. Austin, Chicago, Ill.
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Kehoe, C. C., machsts., Schenectady, N. Y.
Kehoe & Co., stone producers, Hazleton, Pa.
Kehoe Display Fixture Co., bank railings, 541 Market, San Francisco, Calif.
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Kehr Packing Co., meat, 3832 Cote Brillante av., St. Louis, Mo.
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Keighley, Chas., & Sons, machsts., Vineland, N. J.
Keil-Dedlow Mfg. Co., saw filing machy., Plainview, Neb.
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Keil & Son, Francis, 401-25 E. 163rd St., New York
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Keiser Bros., machsts. & fndrs., Hamburg, Pa.
Keiser, F. H., & Co., contrs., Pottstown, Pa.
Keiser-Geismer Engineering Co., American Trust Bldg., Birmingham, Ala.
Keiser Mfg. Co., machsts. & fndrs., Reading, Pa.
Keiser-Van Leer Co., whol. hdwe., mill, facty. & plbrs. supplies, Bloomington, Ill.
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Keister-Mac Quown Fuel Co., Inc., Union Arcade, Pittsburgh, Pa.
Keith & Hiles Lumber Co., Crandon, Wis.
Keith Bros., flour mills, Buffalo, Ky.
Keith Car & Mfg. Co., Sagamore, Mass.
Keith Co., Geo. E., Brockon, Mass.
Keith Corp., arhcts., 100 N. 7th, Minneapolis, Minn.
Keith Furnace Co., Des Moines, Ia.
Keith, Herbert C., 13 Park Row, New York.
Keith, J. M., & Co., wood handles, Eastford, Conn.
Keith, Landis Corp., auto clocks, 337 W. Madison, Chicago, Ill.
Keith Lumber Co., Beaumont, Texas.
Keith Paper Co., Turners Falls, Mass.
Keith, R., Furniture & Carpet Co., mattresses, 11th & Grand av., Kansas City, Mo.
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Kellar, O. J., Lime Co., Frederick, Md.
Kellar-Thomason Co., see Martin Iron Wks. (successor).
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Kellenberger Transmission Co., Realty Bldg., Spokane, Wash.
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Keller, A. C., Collar Co., Council Bluffs, Ia.
Keller, A. E., oven bldrs., 214 Front, New York.
Keller, Andrew, machst., Tiffin, Ohio.
Keller Bros., masons' & bldrs.' matls., 6347 Station, Pittsburgh, Pa.
Keller, C., Co., contrs., 4628 Moran, Detroit, Mich.
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Keller Mfg. Co., wagons, Corydon, Ind.
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Kelley Bros., willow ware mfrs., Gardner, Mass.
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Kelley, Jos., sash, door & blind, Reedsville, Pa.
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Kellogg & Co., E. H., 659 Water St., New York.
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Kellogg Ant Paste Co., 1000 E. 9th, Los Angeles, Calif.
Kellogg Brick & Tile Wks., Kellogg, Iowa.
Kellogg Bros., teasels, Skaneateles, N. Y.
Kellogg Bros. Lumber Co., Grand Rapids, Wis.
Kellogg Bros. & Co., machsts. & fndrs., Jacksonville, Ill.
Kellogg-Burlingame Co., mill & facty. supps., Grand Rapids, Mich.
Kellogg, Chas. C., & Sons Co., plate glass, Utica, N. Y.
Kellogg Co., M. W., Danforth Ave. & Droyers Point, Jersey City, N. J.
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The Hague, Holland—Sweelinckstraat, No. 8.

Kellogg, T. D., Lumber & Mfg. Co., carriage hubs, Antigo, Wis.
Kellogg Toasted Corn Flake Co., cereal foods, Battle Creek, Mich.
Kellogg, W. H., machsts. & fndrs., Sebewaing, Mich.
Kelloggs & Miller, linseed oil mills, Amsterdam, N. Y.
Kells Mill & Lbr. Co., Java & Provost, Brooklyn, N. Y.
Kells, W. J., Mfg. Co., auto hoods, tanks, radiators, etc., 521 W. 45th, New York.
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Kelly & Co., Inc., T. P., 355 W. 26th St., New York.

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OHIO—Cincinnati—J. C. Wilson, 1008-1012 Sycamore St.
PA.—Pittsburgh—T. R. Kenney, 131-137 Water St.

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South Bend Sup. Co.
IA.—Burlington—Drake Hdwe. Co.
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L. H. Kurtz Co.
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Fort Scott—A. C. Penniman & Son.
Hutchinson—Graber Sup. Co.
Wichita—Phillips & Easton Sup. Co.
KY.—Louisville—Belknap Hdwe. Co., 101 E. Main, Main 2500.
Fall City Plbg. Supply Co., 527 E. Market St., Main 1379.
Grait Pelle Co., 111 N. 3rd St., Main 981.
E. D. Morton & Co., 516 W. Main, Main 270.
Paducah—H. A. Petter Supply Co.
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Kreubbe Co., Inc.
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Marine Specialty Co., Inc., 208 S. Peters, Main 5938.
Plumbers & Mill Sup. Co., 840 Baronne, Main 1865.
Standard Sup. & Hdwe. Co., 822-838 Tchoupitoulas, Main 6870.
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Buckelew Hdwe. Co.
W. R. Henderson Iron Works & Sup. Co.
Pelican Well Tool & Sup. Co.
ME.—Bangor—R. R. Dunning & Co.
Portland—W. L. Blake & Co.
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Crook-Horner Supply Co., 7 Balderson, Plaza 7247.
McArdle & Walsh, Inc.
Wm. E. Wood Co., 18 N. Howard, Plaza 3180.
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MASS.—Boston—Boston Pipe & Fitting Co., 273 Congress, Main 1651.
Boston Plbg. & Lighting Sup. Co., 147 Port, Haymarket 4100.
Braman Dow & Co., 239 Causeway, Richmond 1482.
Dalton Ingersoll Mfg. Co., 175 High, Congress 0493.
J. B. Farnsworth Co., 44 Broomfield, Main 3993.
Federal Steam & Gas Sup. Co., 36 Purchase, Congress 5440.
Johnson-Washburn Co.
Lumsden & Van Stone Co.
Sumner & Dunbar, 287 Congress, Main 6350.
Wacco Sup Co., 30 Marginal East, Boston 1800.
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Worcester—Central Sup. Co.
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A. Harverys Sons, 469 W. Jefferson, Main 5186.
Kimball-Eisenberg Co., 15 E. Jefferson, Main 4746.
Murray Sales Co., W. W. Murray, Main 5651.
Chas. A. Strelinger Co., 149 E. Larned, Cadillac 7080.
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Saginaw—Morley Bros. Co.
MINN.—Duluth—Duluth Plbg. Supply Co.
Kelley-How-Thomson Co.
Minneapolis—Central Sup. Co., 312 S. 3rd St., Main 8484.
Minnesota Transfer Co.
Sim D. Rollins & Co., 818 Security Bldg., Atlantic 3192.
Chas. E. Sanford Co., 202 Washington Ave., Granville 7478.
S. S. Spencer Co., 725 Pillsbury Ave., Nestor 2815.
St. Paul—Cochran-Sargent Co., 5th & Sibley, Garfield 5811.
Robinson Plbg. Sup. Co., 1900 University, Midway 0417.
Quay T. Stewart, 727 Pillsbury, Midway 3438.
MISS.—Jackson—Addkinson & Bauer.
Vicksburg—Lee Richardson Co.
MO.—Joplin—Joplin Sup. Co.
Hannibal—McNally Pump & Plbg. Sup. Co.
McNeil Machinery Co.
Kansas City—Joe Timmer Hdwe. Co., 909 State Line, Main 6053.
Uhrich Sup. Co., 914 Central St., Main 4393.
United Iron Works Co., Inc., 301 Ridge Arcade, Victor 9209.
U. S. Water & Steam Supply Co., 1315 W. 12th St., Victor 9720.
St. Joseph—Howe Sup. Co.
Jamieson Mach. Co.
St. Louis—Central Hdwe. Co., 813 N. 6th St., Main 60.
Continental Sup. Co., Post Dispatch Bldg., Olive 5025.
Crowder Bros., 2018 Locust St., Bomont 778.
Midwest Piping & Sup. Co., 1452 S. 2nd St., Olive 7831.
Nelson Mfg. Co., N. O., 928 Chestnut St., Main 3620.
Springfield—Harry Cooper Sup. Co.
MONT.—Billings—Billings Hdwe. Co.
Helena—Helena Hdwe. Co.
Missoula—Missoula Mercantile Co.
NEB.—Alliance—Newberrys Hdwe. Co.
Beatrice—Dempster Mill Mfg. Co.
Lincoln—Cornell Sup. Co.
Omaha—Interstate Machinery & Sup. Co.
Omaha Sanitary Supply Co.
N. H.—Concord—Page Belting Co.
Manchester—Manchester Sup. Co.
Geo. E. Trudell Co.
Somersworth—Bracket Shaw & Lunt Co.
N. J.—Atlantic City—Fleck Atlantic Co.
Seashore Sup. Co.
Bayonne—Bayonne Sup. Co.
Camden—J. D. Johnson Co.
Elizabeth—Hitchings & Co.
Hackensack—Romaine Supply Co.
Jersey City—Jersey City Supply Co.
M. W. Kellogg Co.
R. J. Letcher & Son.
Montgomery Plumbing Sup. Co.
Arthur L. Perkins.
Longbranch—Monmouth Plbg. Sup. Co.
Newark—W. V. Egbert & Co.
J. D. Johnson Co.
Wm. S. Roe.
Passaic—Central Supply Co.
New Jersey Engr. & Sup. Co.
Paterson—The Paterson Plbg. Sup. Co.
Abe Smith.
Trenton—Manufacturers Selling Co.
Standard Supply & Equipment Co.
Warren-Balderston & Co.
N. M.—Las Vegas—Chas. Ilfield Co.
Sante Fe—Wood Davis Co.
Silver City—W. S. Cox Co.
N. Y.—Albany—Interstate Plumbing Sup. Co.
E. W. Tompkins & Co.
Hoy & Co.
Binghamton—Ellis W. Morse.
Brooklyn—M. E. Conran Co., Inc.
B. F. Gilmour Co., Inc.
J. D. Johnson Co.
McElraevy & Hauck Co.
Metropolitan Material Co.
Salster & Weinsier.
Shipley Const. & Supply Co.
Smyth Donegan Co.
Albert P. Thill Co.
Buffalo—W. A. Case & Son Mfg. Co., 31 Main, Seneca 6020.
Kelly & Jones Co., Ellicott Sq., Seneca 3034.
Elmira—Levalley McLleod Kinkead Co.
Kingston—L. F. Banvon Heating & Cons. Co.
Long Island City—The Plumbers Service Co.
Mt. Vernon—Morris Smith.
West Chester Lighting Co.
New York—American Factories, Ltd., 82 Wall, Hanover 5795.
Baker & Smith, 576 Greenwich, Spring 4701.
Behrer & Co., 77 Beekman, Beekman 0977.
Beith & Reilly Co., 2475 3rd Ave., Motthavn 2400.
Bernard-Greenwood Co., 22 Desbrosses, Canal 8343.
The Bollman Bros., Inc., 484 Armstrong Ave., Schuyler 3314.
Dayton Price & Co., 420 Hudson, Spring 4006.
Dimock & Fink, 220 E. 12th St., Harlem 1837.
Fox Bros. & Co., 126 Lafayette, Canal 9190.
Glauber & Co., Inc.
Hanner & Fredericks Co., 824 Armsterdam Ave., Riverside 3499.
W. H. Hussey & Sons, 233 W. 35th St., Longacre, 4202.
J. D. Johnson, 68 Charleston, Canal 1915.
Edw. F. Keating, 446 Water, Orchard 9700.
Kelly & Jones Co., 13 Park Row, Barclay 8360.
W. J. Kingsland, Inc., 24 State, Bowling Green 5770.
Knickerbocker Supply Co., 49 Church St., Barclay 5450.
Manhattan Supply Co., 115 Franklin, Franklin 5300.
Jas. R. McMann Co., 60 Gold, Beekman 5156.
McMann Supply Co., 319 Pearl, Beekman 1890.
John McMann & Taylor, 104 John, John 6000.
Jno. A. Murray & Sons, Inc., 312 W. 39th St., Lackwana 9335.
M. O'Neil Co., 115 Broadway, Watkins 0155.
Jno. Simmons Co., 110 Centre, Franklin 5000.
United Plumbers Supply Co., 181 E. 108th St., University 2660.
E. G. Woolfolk & Co., 15 W. 38th St., Fitzroy 4527.
Rochester—Barr & Creelman Co.
Frank H. Falls.
Haverstick & Co.
Howe & Bassett.
Wright & Alexander.
Syracuse—Edw. Joy Co.
Troy—Arid-Don Co.
Utica—Hart-Crouse.
Millar & Sons Co.
Watertown—The Hunting Co.
N. C.—Asheville—Sugg & Britt.
Burlington—Burlington Hdwe. Co.
Charlotte—Henry Hackney.
Liddell Co.
Whitman-Douglas Co.
Fayetteville—Huske Hdwe. Co.
Greensboro—Odell Mill Sup. Co.
Carolina Steel & Iron Co.
Raleigh—Dillon Sup. Co.
Winston-Salem—Crawford Plbg. & Mill Sup. Co.
OHIO—Akron—Mill & Mine Sup. Co.
Cincinnati—Thos. J. Dyer Co., Gilbert Ave., Canal 4737.
Kelly & Jones Co., 1008 Sycamore, Canal 7670.
Thos. J. Nickle.
Vulcan Copper & Sup. Co., 120 Sycamore, Main 1068.
Cleveland—Bliss Supply Co.
Koller Bros.
Liberty Sanitary Sup. Co.
Davis, Hunt Colister Co.
Columbus—Dreher Sup. Co.
Scioto Valley Sup. Co.
Dayton—M. J. Gibbins Co.
Kiefaber Co., W. H.
Larkin Supply Co., M. D.
Toledo—Egan Bros.
National Sup. Co.
Shaw Kendall Engr. Co.
Warren—Warren Hdwe. Co.

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KELLY & JONES CO.—Continued.
OKLA.—Cement—Rae Bros.
Muskogee—Atlas Supply Co.
Oklahoma City—Chamberlin Supply Co.
Mideke Supply Co.
Pitcher—Quapaw Supply Co.
Tulsa—Bovaird Sup. Co.
Frick-Reid Sup. Co.
International Sup. Co.
Western Supply Co.
ORE.—Portland—M. L. Kline.
G. P. Stone.
PA.—Allentown—Albright Son & Co.
Lehigh Valley Supply Co.
W. S. Reichenbach & Son.
Wm. H. Taylor Co.
Bethlehem—Keystone Sup. & Mfg. Co.
Bradford—Bradford Sup. Co.
Easton—H. B. Kinsey.
Lehigh Valley Supply Co.
W. A. Tydeman, Inc.
Erie—Erie Iron and Steel Co.
Harrisburg—Appleby Bros. & Whitaker.
Kingston—A. J. Roat Supply Co.
Lancaster—Everts & Overdeer.
Fleck Marshall Co.
Raub Supply Co.
Reilly Bros. & Raub.
Lattimer Mines—Lattimer Sup. & Machy. Co.
Philadelphia—H. Belfield & Co., 435 N. Broad, Poplar 2264.
Bridgman Co., 120 S. 30th St., Preston 5800.
N. C. Cressman Co., Drexel Blvd., Lombard 1980.
Fleck Bros Co., Inc., 50 N. 5th St., Lombard 9140.
Ford & Kendig Co., 1428 Callowhill, Spruce 5310.
Globe Automatic Sprinkler Co., 2035 Washington, Oregon 6531.
J. D. Johnson Co., 139 N. 7th St., Market 5430.
E. W. Koons Co., 911 Filbert, Filbert 2813.
Jno. Maneely Co., 247 N. 12th St., Walnut 4082.
McArdle & Cooney Co., 519 Arch, Lombard 8941.
H. P. Pancoast.
Walls, Owen & Stambach, 11th & Ridge, Poplar 1182.
Pittsburgh—Biddle Pur. Co., Union Terminal Bldg., Grant 5237.
Chas. Dreifus Co., Oliver Bldg., Atlantic 1856.
Kelly & Jones Co., 135 Water St., Court 0203.
Standard Sanitary Mfg. Co., Bessemer Bldg., Smithfield 0300.
Pottsville—Pottsville Sup. Co.
Reading—Bright & Co.
Reading Foundry & Sup. Co.
Scranton—Bittenbender Co.
Gaylord & Butler Co.
Chas. B. Scott Co.
Ralph E. Weeks.
Wilkes Barre—Eastern Penna. Supply Co.
J. D. Johnson Co.
York—Careva Co., Inc.
Lindenmouth Engr. Co.
R. I.—Providence—Allen & Reed, Inc.
General Fire Extinguisher Co.
Rhode Island Sup. & Engr. Co.
Rhode Island Sup. & Sprinkler Co.
Woonsocket—Woonsocket Supply Co.
S. C.—Charleston—Bailey & Lebby Co.
Cameron & Barkley Co.
Columbia—Columbia Supply Co.
Southern States Supply Co.
Georgetown—Kaminski Hdwe. Co.
Greenville—Greenville Textile Supply Co.
Poe Hdwe. & Supply Co.
Spartanburg—Montgomery & Crawford Co.
Stalling Johnson Co.
S. D.—Sioux Falls—Plumbing Supply Co.
TENN.—Bristol—Interstate Hdwe. & Supply Co.
Mitchell-Powers Hdwe. Co.
Chattanooga—James Supply Co.
Mills & Lupton, Inc.
Rogers-Bailey Hdwe. Co.
Jackson—Southern Supply Co.
Johnson City—Summers Hdwe. Co.
Knoxville—C. M. McClung & Co.
Tennessee Mill & Mine Supply Co.
Memphis—Reed & Duechker.
Nashville—Bouchard & Son Co.
Laib Co.
Nashville Mach. Co.
TEX.—Austin—Donnelley & White.
Beaumont—Norwell-Wilder Hdwe. Co.
Wilson Hdwe. Co.
Childress—R. H. Norris Hdwe. Co.
Corpus Christi—E. H. Caldwell & Son.
Cuero—H. Runge & Co.
Dallas—Briggs Weaver Machinery Co.
Fisher Supply Co.
Hamilton Co.
Kennison Bros.
El Paso—Krakauer-Zorke & Moye.
Monsen-Donnegan-Ryan Co.
Fort Worth—Wagner Supply Co.
Galveston—Paul Shean Sanitary Plbg. & Mfg. Co.
Houston—Bering & Cortes Hdwe. Co.
Petroleum Supply Co.
Republic Supply Co.
Lufkin—Lufkin Fdry. & Mach. Co.
Marshall—E. B. Hayes Supply Co.
New Braunfels—Lewis Henne Co.
San Angelo—Crawther Hdwe. Co.
Findlater Hdwe. Co.
San Antonio—Alamo Iron Works.
San Antonio Mach. & Sup. Co.
A. H. Shaffer.
Sour Lake—Rex Supply Co.
Stanford—Penick, Hughes Co.
Sweet Water—Western Windmill Co.
Waco—Herrick Hdwe. Co.
Hill Bros.
D. June Machine Co.
Wichita Falls—Moore & Richolt.
Wichita—Maxwell Hdwe. Co.
Wichita Hdwe. Co.
VT.—Bellow Falls—Geo. B. Allbee Co.
Burlington—G. S. Blodgett Co., Inc.
H. C. Wheelock.
White River Junction—Shephard Co., Inc.
VA.—Norfolk—Empire Mach. & Sup. Co.
Southern Supply Co.
Taylor Parker Co.
Tide Water Supply Co.
Tomlinson & Co., Inc.
Virginia Railway Supply Co.
W. M. Whaley & Co., Inc.
Petersburg—Appomattox Iron Works & Sup. Co.
Pulaski—Price Hdwe. Co.

KELLY & JONES CO.—Continued.
Richmond—Hunter B. Frischkorn.
James McGraw, Inc.
Smith Courtney Co.
Southern Ry. Supply Co.
Roanoke—Engleby Bros. Co.
Roanoke Hdwe. Co.
WASH.—Seattle—Bowles Co.
Campbell Hdwe. Co.
Pacific Net & Twine Co.
Seattle Plbg. Supply Co.
Spokane—Hughes & Co.
Tacoma—American Plumbing & Supply Co.
UTAH—Salt Lake City—D. C. Dunbar Co.
WIS.—Appleton—Patterson Supply Co.
LaCrosse—LaCrosse Plbg. Supply Co.
Milwaukee—Downey Heating & Sup. Co., 613 Clybourn, Grand 691.
Fuller & Warren Co., 32 & Wright, Kilbourn 4515.
McNally Co., C. W., 199 E. Water, Broadway 780.
Robt. Rom Co., 1023 St. Paul, Grand 1684.
Oshkosh—Battis Bros.
Sheboygan—J. J. Koepsell Co.
Wauwatosa—J. E. Robertson Hdwe. Co.
West Allis—Nels & Brecht Co.

Kelly & Kelly, Inc., contrs., Long Island City, N. Y.
Kelly & Kennedy, fndrs., Oneida, N. Y.
Kelly & McLaughlin, patent leather, 93 Golden, Newark, N. J.
Kelly & Steinman, cut glassware, Deposit, N. Y.
Kelly & Son, N., 1704 Wharton St., Pittsburgh, Pa.
Kelly-Atkinson Constr. Co., 189 W. Madison, Chicago, Ill.
Kelly Auto Co., wire wheels, 4560 W. Congress, Chicago, Ill.
Kelly Axe Mfg. Co., Charleston, W. Va.
Kelly, Benj. F., & Son, see Patterson Kelly Co. (successors).

KELLY BRASS WORKS, 226-232 W. Ontario St., Chicago.

Kelly Bros., contrs., Portsmouth, Ohio.
Kelly Bros., stone prod., 93 Charter Oak, Hartford, Conn.
Kelly Bros. Coal Co., bituminous, Snow Shoe, Pa.
Kelly Bros., Inc., Gardner, Mass.
Kelly, C., & Son, contrs., Everett, Wash.
Kelly-Cohen Fdry. Co., grey iron castings, 1204 Camden av. S. W., Canton, Ohio.
Kelly Co., O. S., Springfield, O.
Kelly Co., R. A., Xenia, O.
Kelly Constr. Co., Bryan, Ohio.
Kelly Cooke & Company, 424 Chestnut St., Philadelphia, Pa.
Kelly, D. B., wood handles, Lucas, Mich.

KELLY-DERBY CO., INC., 321 N. Crawford Ave., Chicago.
Chas. W. Kelly,
C. N. Leet
Walter D. Glenn
Bruce J. Lett
P. W. Pybus
Roy F. Guygnet

Kelly, F. Co., paper fasteners, Derby, Conn.
Kelly, F. G., Lumber Co., Warrenton, Ore.
Kelly Fdry. & Mach. Wks., Mount Gilead, Ohio.
Kelly Foundry & Mach. Co., Goshen, Ind.
Kelly Graphite Mills, 355 W. 26th, New York.
Kelly, H., & Co., mill & facty. supps., Plymouth Bldg., Minneapolis, Minn.
Kelly Handle Co., wood, Charleston, W. Va.
Kelly, Inc., George J., Lynn, Mass.
Kelly, Jno., & Son, sash, door & blind mfrs., Malone, N. Y.
Kelly, J. K., & Co., turpentine, Griffin, Fla.
Kelly, J. W., & Son, carriages, Marietta, Ohio.
Kelly, Leonard & Forrester Co., corn brooms, Ogdensburg, N. Y.
Kelly-Lichan Belting Co., 33 Minna St., San Francisco, Calif.
Kelly-Linehan Belting Co., 33 Minna, San Francisco, Calif.
Kelly Lbr. Co., Sault Ste. Marie, Mich.
Kelly Machine Co., Troy, Ohio.
Kelly Mfg. Co., tubular boilers, burial vaults, etc., Bucyrus, Ohio.
Kelly Mfg. Co., L. J., 307 Pearl St., (Jacks) Albany, N. Y.
Kelly, Michael, machst. & fndr., Parkersburg, W. Va.
Kelly Nail & Iron Co., Ironton, O.
Kelly, Patrick, & Son, stone producers, Easton, Pa.
Kelly Plaster Co., Butler, Pa.
Kelly Plow Co., G. A., Longview, Tex.
Kelly Publishing Co., 70 Fifth Ave., New York.
Kelly Reamer Co., The, 3705 W. 73rd St., Cleveland, O.
Kelly-Springfield Motor Truck Co., Springfield, O.
Kelly-Springfield Tire Co., 250 W. 57th St., New York.
Kelly, Thomas A., & Co., leather, 627 Summer, Lynn, Mass.
Kelly, Thos., & Co., horse blankets, 15 Abtr., Boston, Mass.
Kelly Tire & Rubber Co., The, New Haven, Conn.
Kelly, Wm. J., sheet metal ornaments, 446 Adelphi, Brooklyn, N. Y.
Kelly's, James T., Sons, scrap iron & steel, 249 Greene, Brooklyn, N. Y.
Kelman Electric & Mfg. Co., 1650 Naud, Los Angeles, Cal.
Kelmet Co., lubricating oils, 445 E. 3d, Los Angeles, Calif.
Kelmet Metals Co., 1520 Guardian Bldg., Cleveland, O.
Kelobestos Mfg. Co., see Mineral Products Co. (successor).
Kelsay, Newton, hame chains, machsts., etc., 1202 Main, Evansville, Ind.
Kelser-Van Leer Co., The, Bloomington, Ill.
Kelsey & Freeman, lumber, Toledo, Ohio.
Kelsey, F. W., Nursery Co., landscape archt., 150 B'way, New York.
Kelsey Hardwood Lbr. Co., North Tonawanda, N. Y.
Kelsey Htg. Co., steam & hot water contr., 565 5th av., New York.
Kelsey Heating Co., Syracuse, N. Y.
Kelsey, Horatio, handles & wagon spokes, Clinton, Ohio.
Kelsey Motor Co., 25 Branford Pl., Newark, N. J.
Kelsey, Newton, 1202 Main, Evansville, Ind.
Kelsey Press Co., machsts. & fndrs., Meriden, Conn.
Kelsey, W. E., & Son, lumber mfrs., North Tonawanda, N. Y.
Kelsey Wheel Co., brake drums, 3600 Military av., Detroit, Mich.
Kelsh, Hy., machst., South River, N. J.
Kelso & Co., pianos, 16 Horatio, New York.
Kelso & Company, (Vinegar Spls.) 557 Quincy St., Chicago.
Kelso Lbr. Co., Kelso, Wash.

Kelso Mfg. Co., brake linings & clutch facings, Trenton, N. J.
Kelting, Alb. J., machst. & fndr., 459 Carroll, Brooklyn, N. Y.
Kelton, Aurand Co., furniture, Dept. H, Bay City, Mich.
Kelton's, M. M., Son, printing presses & machy., 76 S. 8th, Brooklyn, N. Y.
Kelty, S. L., canned goods, Quinton, N. J.
Kelvin & Wilfred O. White Co., navigation equip., 112 State, Boston, Mass.
Kelvin Engineering Co., Inc., 106 Front St., New York.
Kelvinator Corp., refrigerating machy., 621 W. Fort, Detroit, Mich.
Kemco Elec. Mfg. Co., auto starters, Salem, Ohio.
Kemlein & Leahy, marble interior wk., Onyx, Long Island City, N. Y.
Kemler Lbr. Co., 1168 N. Halsted, Chicago, Ill.
Kemmerer Coal Co., Kemmerer, Wyo.
Kemmeter Brick & Coal Co., Jefferson, Wis.
Kemp Co., W. H., 165 Spring St., New York.
Kemp, J. W., flour, Wynnewood, Okla.
Kemp, Jas. F., & Bro., cornices, McKeesport, Pa.
Kemp, Jas. N., Mach. Wks., Albany, N. Y.
Kemp, John F., & Co., machsts., Quincy, Mass.
Kemp, Lysander & Sons, soap, Cambridge, Mass.
Kemp Machine Works, Muncie, Ind.
Kemp Machinery Co., dlrs., 215 N. Calvert, Baltimore, Md.

KEMP MFG. CO., C. M., 405 E. Oliver St., Baltimore, Md.

Kemp, N. J., Co., lime and manure spreaders, Batavia, N. Y.
Kemp Rubber Co., 246 Washington, Buffalo, N. Y.
Kempe, H. F., & Co., belt lacing, 565 Washington Blvd., Chicago, Ill.
Kemper-Thomas Company, 50 Union Square, N. Y.
Kempf & Son, Wm. F., 1027 N. 4th St., Philadelphia.
Kempf, Geo., Sons, contrs., 823 Virginia, Buffalo, N. Y.
Kempsmith Mfg. Co., 45th & Rogers St., Milwaukee, Wis.
Kempsmith Mfg. Co., milling machs., tools & vises, West Allis, Wis.
Ken Lo Co., archts., 946 Plymouth Bldg., Minneapolis, Minn.
Kenbridge Mfg. Co., lbr., Kenbridge, Va.
Kendall & Co., M. K., 110 Pearl St., Boston, Mass.
Kendall & Little, canned goods, Copalis, Wash.
Kendall Co., J. B., 485 Missouri Ave., Washington, D. C.
Kendall, Hadley & Co., Goffstown, N. H.
Kendall Heating Co., 24 Front, Portland, Ore.
Kendall Lumber Co., Oliver Bldg., Pittsburgh, Pa.
Kendall Mfg. Co., 90 Friendship St., Providence, R. I.
Kendall Mfg. Co., Inc., office spec., 430 Washington, Boston, Mass.
Kendall Products Corp., cleaning compounds, 709 6th av., New York.
Kendall Refining Co., Bradford, Pa.
Kendall Sealer Co., 79 Sudbury St., Boston, Mass.
Kendall, Taylor & Co., archts., 142 Berkeley, Boston, Mass.
Kendall, William C., flour mills, Berry, Ky.
Kendallville Foundry Co., The, Kendallville, Ind.
Kenderline, T. S., & Sons, fertilizer mfrs., Newtown, Pa.
Kenderline, J. R., 200 N. 3d, Philadelphia, Pa.
Kendrick & Brown Co., Glens Falls, N. Y.
Kendrick & Davis Co., Lebanon, N. H.
Kendrick, J. H. & M. B., masons' & bldrs.' matls., Thomson, Ga.
Kendrick, James R., Co., elastic hosiery, Dept. H, Germantown, av. & Pastorius, Germantown, Phila, Pa.
Kendrick Valve & Washer Co., Syracuse, N. Y.
Kenehan Steel Belt Fastener Co., 160 N. Wells St., Chicago.
Kenilworth Tile Co., Newell, W. Va.
Keniston, Geo. D., & Son, handles, Rumney, N. H.
Kenite Co., high speed steel, 1340 St. Paul av., Milwaukee, Wis.
Kenkor, Fred & Sons, packing box mfrs., 3904 N. Bend rd., Cheviot, Cincinnati, Ohio.
Kenn-Well Contr. Co., 45 E 17th, New York.
Kennard & Bierce, flotation machy., Hollingsworth Bldg., Los Angeles, Calif.
Kennard Canning Co., Kennard, Ind.
Kennebunk Mfg. Co., Milton, N. H.
Kennedy & Co., stoves, Rochester, N. Y.
Kennedy & Greig, machsts., 1503 2d av., Detroit, Mich.
Kennedy & Peterson Co., contrs., Nashua, N. H.
Kennedy & Sons, Ltd., W., Owen Sound, Ont., Can.
Kennedy Bros., Inc., contrs., 2400 16th, N. W., Washington, D. C.
Kennedy Bros., sashes, doors & blinds, Sumter, S. C.

KENNEDY CAR-LINER & BAG COMPANY, THE, 3940 Prospect St., Shelbyville, Ind.
Pres.—Fred W. Kennedy.
V. P. and Treas.—Burton F. Swain.
Secy.—Philip G. Hunker, Jr.

Kennedy Circular Advertising Co., 154 Nassau St., New York.
Kennedy, Colin B., 209 Rialto Bldg., San Francisco, Cal.
Kennedy, Colin B., Co., radio app., 6400 Plymouth av., St. Louis, Mo.
Kennedy Co., Euclid Ave., E. 19th St., Cleveland, O.
Kennedy Constr. Co., 138 Washington av., Albany, N. Y.
Kennedy, D., & Sons, woolen blankets, Monticello, Wis.
Kennedy, D. J., Co., masons' & bldrs.' matls., 6366 Frankstown av., Pittsburgh, Pa.
Kennedy Foundry Company, Charles & Wells Sts., Baltimore, Md.
Kennedy, Inc., David E. (Cork, Tile), 250 W. 57th St., New York.
Kennedy, J. D., Co., masons & bldrs.' matls., Dime Bk. Bldg., Detroit, Mich.
Kennedy, J. E., pumps, 30 E. 42d, New York.
Kennedy, J. E., & Co., surgical & dental instruments, 201 E. 23rd, New York.
Kennedy, J. J., masons & bldrs.' matls., Zelienople, Pa.
Kennedy, J. Sarsfield, archt., 157 Remsen, Bklyn., N. Y.
Kennedy, Jno., & Co., contrs., 1133 B'way, New York.
Kennedy, Julian, blast furnaces, Bessemer Bldg., Pittsburgh, Pa.
Kennedy, L. C., Paint Co., 2426 E. 15th, Los Angeles, Calif.
Kennedy, L. J., & Sons, contrs, Port Chester, N. Y.
Kennedy Mfg. Co., Van Wert, O.
Kennedy Name Plate Co., 763 E. 9th, Los Angeles, Calif.
Kennedy, P. J., & Co., contrs., Holyoke, Mass.
Kennedy, P. W., tubular boilers, 1201 Beecher, Indianapolis, Ind.
Kennedy Packing Co., Biloxi, Miss.
Kennedy, Ralph M., saws, 117 N. 7th, Philadelphia, Pa.
Kennedy Refractories Co., dolomite, Bettsville, Ohio.
Kennedy-Reiter Mfg. Co., Niles, O.
Kennedy Stationery Co., Wm. J., 212 N. 4th St., St. Louis, Mo.

KENNEDY VALVE MFG. CO., THE, Elmira, N. Y.
Pres.—Daniel Kennedy.
Gen. Mgr. & Treas.—Matthew E. Kennedy.
Gen. Sales Mgr.—O. H. Kennedy.
Boston, Mass.—47 India St., G. W. Waters.
Chicago—228 N. Jefferson St., S. C. Mead.
New York—95 John St., J. S. Hanlon.
San Francisco, Calif.—23-25 Minna St., F. J. Henkenius.
Salt Lake City, Utah.—502 Dooly Bldg., S. A. Roberts.

KENNEDY-VAN SAUN MFG. & ENG. CORP., 50 Church St., New York.
Kennedy, W. A., Hdwe. Co., whol., 229 Tuscaramas, E., Canton, Ohio.
Kennedy, Walter, blast furnaces, Bessemer Bldg., Pittsburgh, Pa.
Kennedy Webster Electric Co., 425 S. Wabash Ave., Chicago.
Kennedy, Wm., Constr. Co., 215 Montague, B'klyn, N.Y.
Kennehan, P. E., Son & Co., agri. implts., Brasher Falls, N. Y.
Kennel Food Supply Co., canned, Fairfield, Conn.
Kennelly, Jno. J., machsts., 826 10th av., New York.
Kennerly Hdwe. Co., Gainesville, Tex.
Kennerly Hdwe. Co., Palatka, Fla.
Kennerly & Stiegmeyer, archts., Title Guarantee Bldg., St. Louis, Mo.
Kennett Engine & Boiler Wks., Kennett, Mo.
Kennett Fndry. & Mach. Co., Kennett Square, Pa.
Kennett, Frank E., lbr., Conway, N. H.
Kenney Bros., sashes, doors & blinds, Fort Smith, Ark.
Kenney Bros., stone producers, Long Eddy, N. Y.
Kenney, F., Mfg. Co., tex. machy., mill soaps, 368 Dorchester av., Boston, Mass.
Kenney Foundry & Mfg. Co., The, Mansfield, O.
Kenney, J. R., cornices, 251 S. Wayne av., Deyton, O.
Kenney Machy. Co., 301 W. Maryland, Indianapolis, Ind.
Kenney Mfg. Co., The, 59-61 Pearl St., New York.
Kenney, Wm. F., plumbers' supps., 63 Mechanic, Newark, N. J.
Kennicott, Cass, Fisher Bldg., Chicago.
Kenny, J. T., & Co., soap & scouring powders, St. Paul, Minn.
Kenny Boiler & Mfg. Co., 6th & Locust St., St. Paul, Minn.
Kenny Machinery Co., 124 S. Capitol Ave., Indianapolis, Ind.
Kenny Mfg. Co., curtain rods, 609 Wellington av., Auburn, R. I.
Kenosha Foundry Co., Kenosha, Wis.
Kenosha Knitting Co., sweaters, cardigans, etc., Kenosha, Wis.
Kenova Hardwood Floor Co., Kenova, W. Va.
Kenower, John, & Sons., lumber mfrs., Huntington, Ind.
Kensett & Co., Thos., 2327 Boston St., Baltimore, Md.
Kensington Engine Wks. Co., see Hainsport Mining & Transport Co. (successors).
Kensington Hair Cloth Co., Hancock & Somerset, Philadelphia, Pa.
Kensington Iron & Metal Co., machy. dlrs., 1011 E. Susquehanna av., Philadelphia, Pa.
Kent & Purdy Paint Co., 307 N. Main, St. Louis, Mo.
Kent, Atwater, Mfg. Wks., auto horns, 4937 Stenton, Philadelphia, Pa.
Kent Co., floor polishing, scrubbing, sanding & waxing machy., 571 Dominick, Rome, N. Y.
Kent Co., J. S., 315-16-17 Harrison Bldg., Philadelphia, Pa.
Kent Co., Perry, 90 Front St., New York.
Kent, E., & Co., masons' & bldrs.' matls., Clinton, Ill.
Kent, F. C., Co., manifolds, Irvington, N. J.
Kent, F. C., & Co., talking machine supps., 65 Grace, S. W., Newark, N. J.
Kent, Lindley C., Co., mill & facty. supps., Wilmington, Del.
Kent Lubricating Co., Waukesha, Wis.
Kent Lumber & Timber Co., Securities Bldg., Seattle, Wash.
Kent Machine Co., Kent, O.
Kent Machine Works, 39 Gold St., Brooklyn, N. Y.
Kent Mfg. Co., belt sanding machy., Faribault, Minn.
Kent Mfg. Co., woolen blankets, Clifton Heights, Pa.
Kent Mfg. Works, Atwater, 4937 Stenton St., Philadelphia, Pa.
Kent Milling Co., flour, Kent, Ind.
Kent Mill Co., 10 Rapelyea St., Brooklyn, N. Y.
Kent-Moore Organization, fuel level indicators, General Motors Bldg., Detroit, Mich.
Kent-Owens Machine Co., 958 Wall St., Toledo, O.
Kent Paper Co., 329 E. 29th St., New York.
Kent Vacuum Cleaner Co., Inc., Rome, N. Y.
Kent, Wm. P., & Co., printing & lithographic inks, 49 Rose, New York.
Kenton Carriage Co., Kenton, Ohio.
Kenton Hdwe. Co., iron & steel toys, Kenton, Ohio.
Kenton Marble & Granite Co., Kenton, Ohio.
Kenton Supply Co., masons' & bldrs.' matls., Covington, Ky.
Kentucky Consumers' Oil Co., boiler compounds, Louisville, Ky.
Kentucky Culvert Mfg. Co., Crawfordsville, Ind.
Kentucky Culvert Co., The, 31st & Walnut St., Louisville, Ky.
Kentucky Distillers & Warehouse Co., Inc., 25 Broadway, New York.
Kentucky Electric Lamp Co., Owensboro, Ky.
Kentucky Fertilizer Co., Louisville, Ky.
Kentucky Fire Brick Co., The, Portsmouth, O.
Kentucky Fluor Spar Co., Marion, Ky.
Kentucky Lumber Co., Lexington, Ky.
Kentucky Mine Supply Co., Middlesboro, Ky.
Kentucy Oxygen Hydrogen Co., Logan & Goss Sts., Louisville, Ky.
Kentucky Refractories Corp., Russell, Ky.
Kentucky River Mills, Frankfort, Ky.
Kentucky River Stone & Sand Co., Lawrenceburg, Ky.

KENTUCKY ROCK ASPHALT CO., INC., Marion E. Taylor Bldg., Louisville, Ky.
Pres.—Wallace L. Caldwell.
Asst. to Pres.—J. H. Conzelman.
V. P. & Sales Mgr.—W. H. Tarvin.
Sec. & Treas.—A. A. Hermes.
Gen. Supt.—H. T. Carmichael.
Traffic Mgr.—H. L. Burch.
Chf. Engr.—W. A. Brownfield.

Kentucky Saw Wks., 1004 W. Main, Louisville, Ky.
Kentucky Steel Products Co., Lexington, Co.
Kentucky Switch & Signal Co., The, St. Matthews, Ky.
Kentucky Tobacco Product Co., Louisville, Ky.
Kentucky Veneer Works, 1280 13th St., Louisville, Ky.
Kentucky Wagon Mfg. Co., Louisville, Ky.
Kentucky Wall Plaster Co., River Front, Bet. 1st & Brook St., Louisville, Ky.
Kentucky Whip & Collar Co., Eddyville, Ky.
Kenvil Lumber & Store Co., Kenvil, N. J.
Kenway, P., pipe hanger, steam pump conduits, 248 Boylston, Boston, Mass.
Kenwood Bridge Co., 38 S. Dearborn St., Chicago.
Kenwood Heating Co., 4825 St. Lawrence, Chicago, Ill.
Kenworthy Bros., felts, Stoughton, Mass.
Kenworthy, Inc., Charles F., 195 Piedmont St., Waterbury, Conn.
Kenworthy Motors Corp., autos, 211 E. Mishawaka, Mishawaka, Ind.
Kenworthy's, Thos., Sons, hair imps., 130H Arch, Philadelphia, Pa.
Kenyon & Stanley, stone producers, Bethany, Mo.
Kenyon, A. P., ship builders, Marine City, Mich.
Kenyon Canning Co., Kenyon, Minn.
Kenyon, Chas. F., mattresses, Ocean Grove, N. J.
Kenyon Co., adv. spec., 303 Grand av., Des Moines, Ia.
Kenyon, D. R., & Son, machsts. & fndrs., Raritan, N.J.
Kenyon, Geo. G., Lbr. Co., 601 E. Water, Syracuse, N. Y.
Kenyon, H. T., & Co., contrs., masons' & bldrs.' matls., Westerly, R. I.
Kenyon, J. J., Mfg. Co., shoe laces, Pawtucket, R. I.
Kenyon Lumber Co., Sandy Hill & Hudson Falls, N. Y.
Kenyon, R. S., Co., see Lux Fibre Furn. Co. (successors).
Kenyon, Wm. M., & Maine, Maurice F., archts., Essex Life Bldg., Minneapolis, Minn.
Keokuk Brick & Tile Co., Keokuk, Iowa.
Keokuk Canning Co., Keokuk, Iowa.
Keokuk Electro-Metals Co., Keokuk, Ia.
Keokuk Sand Co., Keokuk, Ia.
Keokuk Steel Casting Co., Keokuk, Ia.
Keomler, Philip, Co., cornices & roofing tin, 86 S. Water, Newburgh, N. Y.
Keough Bros., contrs., 2653 Mississippi, St. Paul, Minn.
Kepec Co., The, tanners chemicals, 4764 4th, Milwaukee, Wis.
Kepplinger, Geo. J., floor scraping machines, Dwight, Ill.
Keramic Studio Pub. Co., Syracuse, N. Y.
Keratol Co., The, 348 Van Buren St., Newark, N. J.
Kerbaugh, Inc., H. S., 165 Broadway, New York.
Kerbaugh Lime Co., Washington av. c., 15th, Philadelphia, Pa.
Kerber, Herbert W., 692 Fulton, Brooklyn, N. Y.
Kerber Packing Co., meat packers, Elgin, Ill.
Kerby & Bro., tailers' squares & glass cutters' rules, 51 Fulton, New York.
Kerckhoff-Cuzner Lumber Co., Pasadena, Calif.
Kerckhoff-Cuzner Mill & Lumber Co., Kerckhoff Bldg., Los Angeles, Cal.
Kerens Cotton Oil Co., meal, Kerens, Tex.
Kerens-Donnewald Coal Co., 12th & Lucas av., St. Louis, Mo.
Kerite Insulated Wire & Cable Co., 30 Church St., New York.
Kerkow, Inc., archt., 125 E. 56th, New York.
Kerlow Steel Flooring Company, 222-238 Culver Ave., Jersey City, N. J.
Kermath Mfg. Co., 5880 Commonwealth, Detroit, Mich.
Kerr & Son, 409 Pearl St., New York.
Kern, A., picks, mattocks, etc., Fleetwood, Pa.
Kern Clay Products Co., face brick & tile, 277 Hawthorne av., Portland, Ore.
Kern County Brick Co., Bakersfield, Calif.
Kern, Geo., meat packer, 349 W. 37th, New York.
Kern, J. B. A., & Sons, wheat flour, 31 Cherry, Milwaukee, Wis.
Kern, Jno., & Son, meat packers, 901 Washington, Portland, Me.
Kern, S. Y., & Son, carriages, Coopersburg, Pa.
Kern, Thos., Lumber Co., sash, door & blind, Slatington, Pa.
Kernan, John F., mattresses, Oswego, N. Y.
Kernan, W. J., & Co., contrs., 425 S. Cincinnati, Dayton, Ohio.
Kernchen Company, 111 W. Washington St., Chicago.
Kerner Contr. Co., 950 Leggett av., New York.
Kerner Incinerator Co., 1029 Chestnut St., Milwaukee, Wis.
Kerner, P., & Sons, contrs., Utica, N. Y.
Kerner, W. R., & Co., felt wheels, 1329 Thorndale av., Chicago, Ill.
Kerney & Trecker Co., milling machs., Milwaukee, Wis.
Kerney Mfg. Co., asbestos table pads & mats, 184 W. 62d, Chicago, Ill.
Kernochan & Co., Titusville, Pa.
Kerns & Reese, flour mills, Jamestown, Ky.
Kerns, Jas. S., & Son, contrs., Saginaw, Mich.
Kerns Lbr. Co., 310 S. Michigan Ave., Chicago.
Kerns, T. A., machst. & fndr., Sutherlin, Va.
Kerr & Co., (Inc.), 114 Liberty St., New York.
Kerr & Ingram, sash, door & blind mfrs., Homestead, Pa.
Kerr Bros. Co., cornices & skylights, Coldwater, Mich.
Kerr, C. H., Co., contrs., 2565 5th av., Pittsburgh, Pa.
Kerr Elevator Appliance Corp., 17 E. 42nd St., New York.
Kerr, Gifford & Co., masons' & bldrs.' matls., Seattle, Wash.
Kerr Glass Mfg. Co., 70 Portland av., Sand Springs, Okla.
Kerr, James H., contr., 14 Lisbon, Lewiston, Me.
Kerr, J. E., & Co., annatto imp., 15 Moore, New York.
Kerr, L. S. D., rims, spokes, wheels, etc., wagon & carriage, Frenchtown, N. J.
Kerr Lbr. Co., H. T. Allcott Square, Buffalo, N. Y.
Kerr Machinery Corporation, 100 Beaubien, Detroit, Mich.
Kerr Mfg. Co., D. M., 1007 Madison St., Chicago.
Kerr Turbine Co., Wellsville, N. Y.
Kerr Paper Mill Co., East Downingtown, Pa.
Kerr, R. J., Co., contrs., Farmers Bank Bldg., Pittsburgh, Pa.
Kerr Wire Products Co., fruit can racks, 325 W. Randolph, Chicago, Ill.
Kerredge, Wm., mill & facty. supps., Hancock, Mich.
Kerrinard Co., Red Oak, Ia.
Kerry & Hanson Flooring Co., Grayling, Mich.
Kerscher Co., Franz J., 7th & Buffalo Sts., Manitowoc, Wis.
Kerscher Elevator Co., 900 Michigan St., Toledo, O.
Kershaw, John W., Co., Turkish towels, 1734 N. 5th, Philadelphia, Pa.
Kershaw, Nelson, Turkish towels, Clifton Heights, Pa.
Kershaw Oil Mill, fertilizer mfrs., Kershaw, S. C.
Kershaw, W. B., carriages, New Rochelle, N. Y.
Kershaw, W. F., lumber mfr., Marianna, Ark.
Kershaw Corp. (System Message, Exc.), 207 Market St., Newark, N. J.
Kerskamp Bros., fndrs., Sheboygan Falls, Wis.
Kerste Aug. & Co., contrs., Ottawa, Ill.
Kersten, S., heating contr., 554 W. Jackson blvd., Chicago, Ill.
Kersting, J. H., embossing dies, stencils, etc., 2 Howard, New York.
Kertscher & Co., Elmira, N. Y.
Kerwin, Andrew J., Jr., contr., 1819 B'way, New York.
Kesl, Joseph, & Son, contrs., Edwardsville, Ill.
Kesler Mfg. Co., cotton sheeting, Salisbury, N. C.
Kesler, P. W., canned goods, Roanoke, Va.
Kessel Co., Henry A. (Steamship Supp.), 35 Pearl St., New York.
Kesselman & Co., Butler, Pa.
Kessler-Barkow Saddlery Co., Atchison, Kan.
Kessler, F. M., & Son, canned goods, Buchanan, Va.
Kessler, Fred, cornices, 2706 Larimer, Denver, Colo.
Kessler, Jos. G., & Co., spelter, 271 Bussell, Brooklyn, N. Y.
Kessler, M. E., chemical & metal brokers, P. O. Box 180, Niagara Falls, N. Y.
Kessler, P., & Son, canned goods, Butler, Md.
Kessler, S. E., masons' & bldrs.' matls., Columbia City, Ind.
Kessler's, A., Sons, Oak Leather, 3217 N. B'way, St. Louis, Mo.
Kessling, Edw., clinical thermometers, 96 Suydam, Brooklyn, N. Y.
Kester Electric Co., 420 N. 3rd St., Terre Haute, Ind.
Kester Machy. Co., dlrs., 430 N. Main, Winston-Salem, N. C.
Kesti & Son, granite producers, Rocklin, Calif.
Kesting-Kopp-Keyser Co., Inc., 47 N. 6th St., Philadelphia, Pa.
Kestler, John A., machst., Lynchburg, Ohio.
Kestner Evaporator Co., 18th & Allegheny Sts., Philadelphia, Pa.
Keston Bros., harness, saddles, etc., 461 Mission, San Francisco, Calif.
Ketcham & McDougall, sewing thimbles, 15 Maiden Lane, New York.
Ketcham & Rothchild, furniture, 823 S. Wabash, Chicago, Ill.
Ketcham, Howard, lbr., 330 W. Girard, Philadelphia, Pa.
Ketcham Iron Co., Fort Smith, Ark.
Ketcham, O. W., 125 N. 18th St., Philadelphia, Pa.
Ketcheson, J. C., pads & tablets, Leavenworth, Kan.
Ketchin, A. J., & Son, contrs., Tariffville, Conn.
Ketchum Bros., Inc., 1236 E. 8th, Los Angeles, Calif.
Ketchum, D. A. (Est.), masons' & bldrs.' matls., Middletown, N. Y.
Kettle River Co., The, Madison, Ill.
Ketler-Elliott Co., The, 3153 S. California Ave., Chicago.
Kettenhofen, N., stone prod., Manitowoc, Wis.
Ketter Buggy Co., Ironton, Ohio.
Ketterlinus Lithographic Mfg. Co., adv. nov., 4th & Arch, Philadelphia, Pa.
Kettler, Anton, Const. Co., 2316 Fontenelle Blvd., Omaha, Neb.
Keuffel & Esser Co., 300 Adams St., Hoboken, N. J.
Keuka Industries, Inc., Hammondsport, N. Y.
Kevil, R. U., & Sons, flour mills, Princeton, Ky.
Kewanee Boiler Co., 820 W. Washington Blvd., Chicago, Ill.
Kewanee Boiler Co., Kewanee, Ill.
Kewanee Implement Co., grain elevators & spouts, Kewanee, Ill.
Kewanee Mfg. Co. of Ill., Kewanee, Ill.
Kewaunee Mfg. Co., Kewaunee, Wis.
Kewanee Private Utilities Co., Kewanee, Ill.
Kewaskum Aluminum Co., Kewaskum, Wis.

KEY BOILER EQUIPMENT CO., Box 72, East St. Louis, Ill.
Pres.—R. L. Dutton.
V. P. & Gen. Mgr.—Fred Key.
Sec. & Treas.—E. M. Myers.
Branch Offices and Distributors:
CAL.—Los Angeles—E. A. Key Co., 517 Union League Bldg.
COLO.—Denver—M. J. O'Fallon Supply Co., 1621 15th St.
ILL.—Chicago—Fred C. Adams & Co., 130 N. Wells St., State 5242.
IND.—Indianapolis—Jackson Engineering Co., 49 S. Capitol Ave.
KY.—Louisville—E. D. Morton & Co., 516 W. Main St.
MASS.—Boston—Key Boiler Equip. Co., 170 Summer St., Revere 2348-W.
MICH.—Detroit—F. A. Green Engineering Co., General Motors Bldg., Main 8271.
Grand Rapids—H. R. See, Globe Realty Bldg., 228 Michigan St., N. W.
MINN.—St. Paul—R. B. Whitacre & Co., 205 S. Robert St.
MO.—Kansas City—Uhrich Supply Co., 914 Central St., Main 4393.
St. Louis—Myers-Mulligan Co., 929 N. 7th St., Olive 1603.
NEBR.—Lincoln—Nebraska Machy. Sup. Co., 824 P St.
N. J.—New Brunswick—Behrer & Co., 2-4-6 Peace St.
N. Y.—Buffalo—Curtis Supply Co., Washington & Perry Sts., Seneca 5590.
New York—Key Boiler Equipment Co., 109 Liberty St., Longacre 1469.
O.—Cincinnati—Doermann & Roehrer Co., 450 E. Pearl St.
Cleveland—H. W. McKinley, 15539 Hilliard Rd., Lakewood.
OKLA.—Tulsa—O. Kelly, Box 1208.
PA.—Philadelphia—Key Boiler Equipment Co., 121 N. Broad St.
Pittsburgh—Chandler-Boyd Sup. Co., 47 Terminal Way, Hemlock 186.
TEX.—Houston—Southern Steam Spec. Co., Box 475.
VA.—Richmond—Smith-Courtney Co., 7th & Bainbridge Sts.
WIS.—Milwaukee—I. W. Downing & Son, 224 Fourth St.
WYO.—Casper General Engineering Co., Box 481.
Foreign:
CAN.—Montreal—R. W. Robb, 285 Beaver Hall Hill.

Key-Bolt Appliance Co., Orchard Park, N. Y.
Key City Decorative Glass Wks., Dubuque, Iowa.
Key City Packing Co., canned gds., Port Townsend, Wash.
Key City Roofing Co., Dubuque, Iowa.
Key, E. H., sweaters, etc., Fort Hunter, N. Y.
Key-Hold Lath Co., plaster & wall boards, 148 Hooper, San Francisco, Calif.
Key-James Brick Co., Alton Park, Tenn.
Key, James, Brick Co., Chattanooga, Tenn.
Key, Jno. L., Inc., 74 New Montgomery, San Francisco, Calif.
Key West Hdwe. Co., Key West, Fla.
Keyes Auto Clock Co., 246 W. 59th St., New York.
Keyes-Davis Company, Inc., The, Battle Creek, Mich.
Keyes Fibre Co., Waterville, Me.
Keyes, Jas. H., eyelet machs., 658 Hudson, New York.
Keyes Products Co., 120 Broadway, New York.
Keyes, W. H., & Co., contrs., 80 Boylston, Boston, Mass.
Keyless Lock Co., Pike & Hovey Sts., Indianapolis, Ind.
Keyo Bros. & Co., thermometers, Catasauqua, Pa.
Keyoke Ry. Equipment Co., 53 W. Jackson Blvd., Chicago.
Keyport Dry Dock Co., Keyport, N. J.
Keys & Miller Lbr. Co., sash, door & blind mfrs., Elkton, Md.

Keys Piston Ring Co., 3049 Olive St., St. Louis, Mo.
Keys-Walker Lbr. Co., lbr., Roanoke, Va.
Keyser Hdwe. Co., Keyser, W. Va.
Keystone Albumen & Paint Co., 1346 Marston St., Philadelphia, Pa.
Keystone Auto Radiator and Re-Coting Co., 1941-45 **Frederick Ave., Baltimore, Md.**
Keystone Auto Top Co., 1412-20 Fairmount Ave., Philadelphia, Pa.
Keystone Blue Paper Co., 910 Filbert St., Philadelphia, Pa.
Keystone Boiler & Fdry. Co., Landisville, Pa.
Keystone Boiler Wks., 16th & Daggett, San Francisco, Calif.
Keystone Bone Fertilizer Co., 15 N. 5th, Philadelphia, Pa.
Keystone Bottle Mfg. Co., Uniontown, Pa.
Keystone Box Co., packing, 26th & Liberty av., Pittsburgh, Pa.
Keystone Box Mfg. Co., packing, Tioga & Memphis, Philadelphia, Pa.
Keystone Brick Co., Godfrey, E. 2d, St. Park, Philadelphia, Pa.
Keystone Bronze Co., 39th & A. V. R. R., Pittsburgh, Pa.
Keystone Canvas Goods Company, 33rd & Walnut Sts., Philadelphia, Pa.
Keystone Carbon Paper Co., 115 Maiden Lane, New York.
Keystone Clay Products Co., Greensburg, Pa.
Keystone Coal & Coke Co., Greensburg, Pa.

KEYSTONE COIN CONTROLLING LOCK CO., Traction Bldg., Indianapolis, Ind.

Keystone Construction Co., Meadville, Pa.
Keystone Contracting Co., Keystone Bldg., Pittsb., Pa.
Keystone Copper Works, 2016 Amber St., Philadelphia, Pa.
Keystone Cut Glass Co., Hawley, Pa.
Keystone Diamond Drilling Co., Patton, Pa.
Keystone Die & Tool Co., Inc., 1434 Brandywine St., Philadelphia, Pa.
Keystone Die Stock Co., 652 W. 47th, Chicago, Ill.
Keystone Drill & Machine Co., 1220 W. Ide, Spokane, Wash.

KEYSTONE DRILLER CO., Eighth Ave. and Twentieth St., Beaver Falls, Pa.

Pres.—J. D. McAnlis.
V. P.—John Warren.
Secy. & Gen. Mgr.—R. M. Downie.
Treas.—Chas. T. Smith.

Chicago—Monadnock Block, C. W. Holmes.
Joplin, Mo.—Frank Oliver.
Los Angeles, Calif.—Harron, Rickard & McCone.
New York—170 Broadway, R. J. Bole.
San Francisco, Cal.—Harron, Rickard & McCone

Keystone Drop Forge Works, Inc., Chester, Pa.
Keystone Elec. Mfg. Co., switches, Cleveland, Ohio.
Keystone Electrical Instrument Co., Wayne Junction Philadelphia, Pa.
Keystone Emery Mills, Frankford, 4325 Paul St., Philadelphia, Pa.
Keystone Eng. Co., grease guns, 1442 S. San Pedro, Los Angeles, Calif.
Keystone Fibre Co. (Inc.), Yorklyn, Del. (Now National Vulcanized Fibre Co.)
Keystone Fire Door Co. (Inc.), Germania Bldg., Pittsburgh, Pa.
Keystone Flour Co., cereal foods, Bourse, Phila., Pa.
Keystone Forging Co., Northumberland, Pa.
Keystone Foundry Co., Plymouth, Ind.
Keystone Foundry Co., Cross & Kain Sts., Pottstown, Pa.
Keystone Foundry Supply Co., Ellicott Square, Buffalo, N. Y.
Keystone Frame & Sash Co., E. 3629 Riverside, Spokane, Wash.
Keystone Friction Hinge Co., Williamsport, Pa.
Keystone Furn. Co., Dept. H, Williamsport, Pa.
Keystone Gas Fixture Wks., Reading, Pa.

KEYSTONE GASKET MFG. CO., 829 N. 4th St., Philadelphia, Pa.

Keystone Glue Co., Williamsport, Pa.
Keystone Grinder & Mfg. Co., Pittsburgh, Pa.
Keystone Hair Insulator Co., 1243 Spring Garden, Pittsburgh, Pa.
Keystone Handle Co., Corydon, Pa.
Keystone Heating Co., Reading, Pa.
Keystone Hindley Gear Co., gears & pinions, 20th & Ind., Philadelphia, Pa.
Keystone Index Card Co., 14 S. 21st St., Philadelphia, Pa.
Keystone Ironing Machine Co., Oliver Bldg., Pittsburgh, Pa.
Keystone Iron & Metal Co., Bessemer Bldg., Pittsburgh, Pa.
Keystone Iron & Steel Wks., 37 Santa Fe av., Los Angeles, Calif.
Keystone Lantern Co., 5033 Portico St., Philadelphia, Pa.
Keystone Leather Co., 315 Arch., Philadelphia, Pa.
Keystone Leather Packing Co., 38-40 Market, Auburn, N. Y.
Keystone Lime Co., Keystone, Ala.
Keystone Lubricating Co., 21st and Clearfield Sts., Philadelphia, Pa.
Keystone Mach. Co., jigs & fixtures, 46 Allen, Rochester, N. Y.
Keystone Mach. Wks., Sunbury, Pa.
Keystone Mfg. Co., lumber, Elkins, W. Va.
Keystone Mfg. Co., moving picture machy., 53 Wareham, Boston, Mass.
Keystone Mfg. Co., wrenches, etc., Buffalo, N. Y.
Keystone Mfg. Co., Altoona, Pa.
Keystone Manufacturing Co., The, 50 Chandler St., Buffalo, N. Y.
Keystone Mills Co., lumber, Waukegan, Tex.
Keystone Minerals Co., rotten stone, iron & steel fillers, etc., 300 Madison av., New York.
Keystone Mining Co., bituminous coal mine, East Brady, Pa.
Keystone Motor Mfg. Co., East Greenville, Pa.
Keystone Motor Truck Corp., Oaks, Pa.
Keystone Oil Co., see Producers Refining Co. (successor).
Keystone Oil & Mfg. Co., The, 111 N. Market St., Chicago.
Keystone Ornamental Iron & Bronze Wks., 830 Howard, San Francisco, Calif.
Keystone Ornamental Iron Co., Homestead, Pa.
Keystone Paint & Filler Co., Muncy, Pa.
Keystone Paint & Varnish Co., 71 Otsego St., Brooklyn, N. Y.
Keystone Paper Mills Co., Upper Darby, Pa.
Keystone Pipe & Supply Co., Butler, Pa.
Keystone Planing Mill Co., Lancaster, Pa.
Keystone Pottery Co., New York Ave. & Olden St., Trenton, N. J.
Keystone Radio Co., V. T. Sockets, Greenville, Pa.
Keystone Reamer & Tool Co., Millersburg, Pa.
Keystone Refractories Co., Inc., high temperature & fire resisting cements, 120 Liberty, New York.

KEYSTONE ROOFING MFG. CO., York, Pa.

Keystone Rubber Mfg. Co., inner tubes, patches, reliners, rubber goods, etc., Erie, Pa.
Keystone Sand & Supply Co., Diamond Bank Bldg., Pittsburgh, Pa.
Keystone Screw Co., 17th & Lehigh, Philadelphia, Pa.
Keystone Screw Co., Home Office and Plant, 10 Lincoln Ave., Yardley, Pa.
Keystone Solether Corp., floor tile gasket sheeting, synthetic bags & leather, 320 B'way, New York.
Keystone Seal & Press Co., 30 Main St., Brooklyn, N. Y.
Keystone Spring Works, 13th & Buttonwood, Philadelphia, Pa.
Keystone State Const. Co., 210H S. 13th, Phila., Pa.
Keystone Steel Co., floor plates & stair treads, 4 Commercial Trust Bldg., Philadelphia, Pa.
Keystone Stove Fdry., Spring City, Pa.

KEYSTONE STEEL & WIRE CO., Peoria, Ill.

Pres. & Gen. Mgr.—P. W. Sommer.
V. P. & Gen. Supt.—W. H. Sommer.
V. P. & Gen. Sales Mgr.—H. G. Moore.
Sec. & Treas.—B. L. Summer.

Keystone Structural Co., Royersford, Pa.
Keystone Supply & Mfg. Co., 927 N. 9th St., Philadelphia, Pa.
Keystone Tag Co., West Chester, Pa.
Keystone Tank & Boiler Wks., Butler, Pa.
Keytsone Type Fdry., 13 & Cherry, Philadelphia, Pa.
Keystone Underwear Co., sweaters, Lititz, Pa.
Keystone Varnish Co., 71 Otsego St., Brooklyn, N. Y.
Keystone View Co., Meadville, Pa.
Keystone Watch Case Co., 1411 Walnut St., Philadelphia, Pa.
Keystone Wire Cloth Co., Hanover, Pa.
Keystone Wire Matting Co., Beaver Falls, Pa.
Khin Trunk & Bag Co., 215 Bergen, Newark, N. J.
Khourn, Amin N., portables elect., 11 W. 30th, New York.
Kiamensi Clay Co., clay, miners & shippers, Wilmington, Del.
Kiamensi Woolen Co., blankets, Stanton, Del.
Kibbee & Son, A. S., Albany, N. Y.
Kibele, Cuno, archt., Muncie, Ind.
Kibler, Fred W., masons & bldrs.' matls, Mount Orab, Ohio.
Kickapoo Sand & Gravel Co., Attica, Ind.
Kickhafer Manufacturing Co., 359-71 Reed St., Milwaukee, Wis.
Kidd-Bossinger Hdwe. Co., Little Rock, Ark.
Kidd Drawn Steel Co., Aliquippa, Pa.
Kidd, Mrs. E. G., Inc., pickles, Richmond, Va.
Kidd, Franklin J., 524 Franklin, Buffalo, N. Y.
Kidd, Russ, Trunk & Bag Co., Shreveport, La.
Kidd, William A., 524 Franklin, Buffalo, N. Y.
Kidde & Co., Inc., Walter, 90 West St., New York.
Kidder Co., R. E., 35 Hermon St., Worcester, Mass.
Kidder Mfg. Co., J. F., Burlington, Vt.
Kidder Press Co., Dover, N. H.
Kiddie, Richard H., machst., Kinseman, Ohio.
Kidds, Alex., Son, cornices, York, Pa.
Kidney, Geo., packing box mfrs., 7 Walker, New York.
Kidney, Jas., Co., auto wood bodies, 429 E. 2d, Cincinnati, Ohio.
Kidwell Boiler & Engineering Co., 288 E. Water St., Milwaukee, Wis.
Kiech Mfg. Co., Ferdinand, Nettleton, Ark.
Kiechler Mfg. Co., Wade & Denmarc, Cincinnati, O.
Kieckhefer Elevator Co., A., 1026-1104 St. Paul Ave., Milwaukee, Wis.
Kieckhefer Box Co., 16th, Viaduct, Milwaukee, Wis.
Kiefaber Co., The, W. H., Ludlow & Bayard Sts., Dayton, O.
Kiefer Bros., Cut Glass Co., 4 Ralph av., Brooklyn, N.Y.
Kiefer Co., Edward S., Grand Rapids, Mich.
Kiefer Mach. Co., Karl, 919 Martin St., Cincinnati, O.
Kiefer, W. L., iron, Reading, Pa.
Kieffer Bros., cooking apparatus, steam fitters' supplies, Syracuse, N. Y.
Kieffer Paper Co. (not Inc.), Brownstown, Ind.
Kieghler Gas Heated Steam Radiator Co., 707 N. 1st, San Jose, Calif.
Kiel & Daues Bricklaying & Const. Co., 4030 Chauteau, St. Louis, Mo.
Kiel Flexible Pipe Joint Co., Inc., 1214 S. Jackson St., Louisville, Ky.
Kiel, J. F., machsts. & brass fndrs., Wayland, N. Y.
Kiel Machine Co., Kiel, Wis.
Kiel Mfg. Co., see American Gas Machine Co., Albert Lea, Minn. (successors).
Kieley & Gleason, contrs., Northampton, Mass.
Kieley & Mueller, 34 W. 13th St., New York.
Kienle & Co., printing inks, 109 S. 5th, Brklyn, N. Y.
Kientz, John, stone producers 783 S. 5th Columbus, O.
Kienzie & Merick Mfg. Co., 1214 S. 3rd St., Minneapolis, Minn.
Kienzie, Wm. F., hdwe. mfrs., plating wks., etc., 4855 N. Paulina, Chicago, Ill.
Fienz, Geo., & Co., contrs., Am. Builders Exchange, Omaha, Neb.
Kier, A. H., plate glass, Paterson, N. J.

KIER FIRE BRICK CO., THE, 2241 Oliver Bldg., Pittsburgh, Pa.

Pres.—S. M. Kier.
Treas.—P. S. Kier.
Sec.—J. T. Boyd.

Fire Brick Works—Salina, Pa., Pa. Ry.
Silica Brick Works—Childs, Pa., P. & L. E. Ry.
Ganister Quarries—Brookes Mills, Pa., Pa. Ry.

Kierulff, C. R., & Co., wire reels, 757 S. Los Angeles, Los Angeles, Calif.
Kies, Wolfgang, stone, 3310 Vliet, Milwaukee, Wis.
Kiesler Co., Jos. F., Sangamon and Huron Sts., Chicago.
Kieswetter, Jos. F., vacuum cleaners, Toledo, Ohio.
Kiewit's, Peter, Sons, contrs., 754 Omaha Nat'l Bk., Omaha, Neb.
Kift Milling Co., flour, Sunbury, Pa.
Kiggins & Tooker, 35 Park Pl., New York.
Kihn Brothers, 205-209 W. 19th St., New York.
Kijander & Co., 126 S. Clinton St., Chicago.
Kilberer, F., & Son, contrs., Niagara Falls, N. Y.
Kilborn & Bishop Co., Chapel & Lloyd Sts., New Haven, Conn.
Kilborn Bros., confetti, 58 Orange, New Haven, Conn.
Kilborn-Sauer Co., spot lights & auto. traffic systems, Fairfield, Conn.
Kilbourn, R. A., lumber mfrs., Harrisville, N. Y.
Kilbourne & Clark Mfg. Co., Spokane & E. Marginal Way, Seattle, Wash.
Kilbourne & Jacobs Mfg. Co., barrows, cars, trucks, etc., Columbus, Ohio.
Kilbourne Mfg. Corp., knitting machy., New Brunswick, N. J.
Kilburn, Edw., see Enterprise Mach. Wks. (successor).
Kilburn, Lincoln, Machine Co., 37 Canal, Fall River, Mass.
Kilby Car & Foundry Co., Anniston, Ala.
Kilby Frog & Switch Co., 35th Ave., Birmingham, Ala.
Kilby Mfg. Co., 4623 Lakeside Ave., Cleveland, O.
Kildust Co., sweeping compounds, Rome, Ga.
Kile & Morgan Co., lbr., R. I. H. Tr. Bldg., Providence, R. I.
Kileen, Thos., & Co., contrs., Duluth, Minn.
Kiley, Jas. A., carriages, 11 Morton, Somerville, Mass.
Kiley, Thos. W., & Co., whol. hdwe., mill & facty. supps., 57 Grand, Brooklyn, N. Y.
Kilgen, Geo., & Sons, organs, 3825 Laclede av., St. Louis, Mo.
Kilgore Mfg. Co., iron toys, Homestead, Pa.
Kilgus, Fred, contr., 13 S. 6th, Newark, N. J.
Kilgus, Jacob, contr., Pottsville, Pa.
Killam, O. W. & W. T., flour, Grove, Okla.
Killark Electric Mfg. Co., 3940 Easton St., St. Louis, Mo.
Killeen's Fndry. & Iron Wks., 774 S. Liberty, New Orleans, La.
Killefer Mfg. Co., agricultural imps., Box 270 Huntington Park, Calif.
Killen, W. N., packing boxes, Cato, Wis.
Killian Lumber Co., Valdosta, Ga.
Killion Rubber Co., 26 Clayton, Boston, Mass.
Killman & Challe, masons' & bldrs.' matls., Green Bay, Wis.
Killoch Co., David, 45 W. Broadway, New York.
Killorin Contr. Co., Wakefield, Mass.
Kil-M-Ded Products Co., 5000 Moneta av., Los Angeles, Calif.

KILMER, M. D., & CO., wire forming, straightening & cutting machines, 6003 Quinby, Cleveland, O.

Kilmer & Sons Co., whol. hdwe., 1001 1st av., Spokane, Wash.
Kilmoth Products Corp., red cedar, 50 Union sq., New York.
Kilpatrick, B. H., & Co., Inc., marine hdwe. & machy. dlrs., 308H Water, Norfolk, Va.
Kilpatrick Bros. & Collins Contracting Co., Beatrice, Neb.
Kilpatrick Post Co., 6 W. 23rd St., Oklahoma City, Okla.
Kilroy, Wm. E., Co., contractors, Pawtucket, R. I.
Kilty, Jno. J., masons' & bldrs.' matls., Stillwater, Minn.
Kim, Geo. A., & Co., plate glass, 318 1st av., Pittsburgh, Pa.
Kimball & Colwell Co., meat packers, 461 Washington, Providence, R. I.
Kimball & Combe Co., granite, 96 Westminster, Providence, R. I.
Kimball & Co., C. P., 3900 S. Michigan Ave., Chicago.
Kimball & Co., E. D., 159 N. Market St., Chicago.
Kimball & Prince Lumber Co., Vineland, N. J.
Kimball & Son, C. E., 178 High St., Boston, Mass.
Kimball & Son, lumber mfrs., Harrisville, N. Y.
Kimball, A. M., & Son, machy. dlrs., Pine River, Wis.
Kimball, Allen, Holmes, archt., 129 E. 7th, Ames, Iowa.
Kimball, B. F., & Co., patent leather, Woburn, Mass.
Kimball Bros. & Sprague, Inc., Brockton, Mass.
Kimball Bros. Co., Council Bluffs, Ia.
Kimball, C. E., & Son, dumb waiters, 84 Battery March, Boston, Mass.
Kimball, C. H., 216 W. Water St., Milwaukee, Wis.
Kimball, C. J., Co., oil cloth knives, Bennington, N. H.
Kimball, C. M., Co., metal polish, Winthrop, Mass.
Kimball Carriage Co., 55 Central, Manchester, N. H.
Kimball-Clark Co., lbr., Oshkosh, Wis.
Kimball Co., A., (Pin Tickets), 307 W. Broadway, New York.
Kimball Co., W. W. 308 S. Wabash Ave., Chicago.
Kimball-Dietrich Hardware Co., gas ovens, Elgin, Ill.
Kimball, E. P., & Son, masons' & bldrs.' matls., Troy, N. H.
Kimball-Eisenberg Co., 153 E. Jefferson St., Detroit, Mich
Kimball, F. J., Co., Inc., engineers, 1860 E. 15th, Los Angeles, Calif.
Kimball, Frank J., Co., pumps, 1860 E. 15th, Los Angeles, Calif.
Kimball, Geo. E., masons' & bldrs.' matls., Hingham, Mass.
Kimball, Herbert S., paper mill engnr., 177 State, Boston, Mass.
Kimball, J. C., & Co., lumber, Burbell Bldg., Knoxville, Tenn.
Kimball, L. S., loom pickers, Lowell, Mass.
Kimball Milling Co., wheat flour, Chawnee & Valley, Kansas City, Mo.
Kimball Motor Truck Co., street sweeping machy., 1700 E. 9th, Los Angeles, Calif.
Kimball, Phin., lbr., Ry. Exch. Bldg., St. Louis, Mo.
Kimball, Richard D., Co., elec. & sanitary engnrs., etc., 15 W. 38th, New York.
Kimball Tire Case Co., Council Bluffs, Ia.
Kimball, Tyler Co., wood kegs & tanks, 261 S. 8th, Baltimore, Md.
Kimball-Upson Co., auto accessories, 909K, Sacramento, Calif.
Kimball's Son, S. G., Newburgh, N. Y.
Kimbel, A., & Son, interior hardwood wk., 534 Madison av., New York.
Kimbell, S. S., Brick Co., 133 W. Washington, Chicago, Ill.
Kimber, G. A., machinist, 2043 N. Cicero, Chicago, Ill.
Kimberly-Clark Co., Neenah, Wis.
Kimble Electric Co., 634 N. Western Ave., Chicago.
Kimble, G. A., & Bro., canned goods, Abington, Md.
Kimble Glass Co., 402 W. Randolph St., Chicago.
Kimble, Walter S., contr., Williamsport, Pa.
Kimbrough Hardware Co., Muncie, Ind.
Kimche, F., plbrs.' supps., 11 Broadway, Detroit, Mich.
Kimes & Co., J. B., 1834 Vineyard, Philadelphia, Pa.
Kimley Electric Co., Buffalo, N. Y.
Kimmel, Louis, Lancaster, Pa.
Kimmel, Geo. P., patent lawyer, Washington Loan & Trust Bldg., Washington, D. C.
Kimmel, J. W., lumber, Bluffton, Ohio.
Kimmerle Bros., draw bars & auto wrecking trucks, 226 11th, San Francisco, Calif.
Kimmey, Frank M., contractor, 1007 W. Onondaga, Syracuse, N. Y.
Kimpton Co., Edw. (Stationery), 18 Cliff St., New York.
Kimpton, Edw. Co., stationers' specialties, 18 Cliff, New York.
Kincaid Bros., 211 Water St., Pittsburgh, Pa.
Kincaid Mfg. Co., towels, tickings, Griffin, Ga.
Kind & Landesmann, gelatine mfrs., Camden, N. J.
Kindel Bedding & Renovating Co., 2200 Zuni, Denver, Colo.
Kinderhook Knitting Co., knitted gloves, Kinderhook, N. Y.
Kindler & Collins, pianos, 520 W. 48th, New York.
Kindling Machinery Co., Milwaukee, Wis.
Kindt-Collins Co., 1030 St. Clair Ave., Cleveland, O.
Kinetic Elec. Co., machsts., 16 S. Schell, Philadelphia, Pa.

King & Co., J. B., 17 State St., New York.
King & Co., Wm. H., 118 9th St., Brooklyn, N. Y.
King & Dexter Co., mill & facty. supplies, plate glass & whol. hdwe., 11 Monument sq., Portland, Me.
King & Gerber Co., machinists, Paterson, N. J.
King & Hamilton Co., Ottawa, Ill.
King & Malcolm Co., Inc., 246½ Pearl St., New York.
King & Wing, 1030 Alaska Bldg., Seattle, Wash.
King & Winge Shipbuilding Co., bldrs., 2231 E. Marginal Way, Seattle, Wash.
King Alex Stone Co. of Kansas, 411 Reliance Bldg., Kansas City, Mo.
King Amplitone, loud speakers, 82 Church, New York.
King Bedding Co., 2119-25 W. Toronto, Philadelphia, Pa.
King Bridge Co., ft. E. 69th, Cleveland, O.
King Bronze & Aluminum Fdry. Co., 1734 E. 37th, Cleveland, Ohio.
King Bros., cornices, Danville, Ill.
King Brothers Successors to Barber Bros., 439 E. Water St., Syracuse, N. Y.
King, C. W., lumber, Bowden, Ga.
King Cereal & Mfg. Co., 559 W. Rand, Chicago, Ill.
King, Charles, leather, Johnstown, N. Y.
King, Chas. S., masons' & bldrs.' matls., Dayton, O.
King, Chas. T., & Co., htg. contrs., 523 N. Charles, Baltimore, Md.
King Chemical Co., Bound Brook, N. J.
King Clip Co., finger nail clippers & cigar cutters, 136 W. 52nd, New York.
King Construction Co., No. Tonawanda, N. Y.
King Drill Mfg. Co., Nebraska City, Neb.
King, E. & F., Co., Inc., chemicals, paints, etc., 367 Atlantic av., Boston, Mass.
King, F. E., Co., heating contrs., Norfolk, Va.
King, F. W., Optical Co., Euclid Arcade Bldg., Cleveland, Ohio.
King Fifth Wheel Co., 5027 Beaumont Ave., Philadelphia, Pa.
King-Fisher Mattress Co., Portland, Ore.
King Folding Canvas Boat Co., Kalamazoo, Mich.
King Furn. Co., Dept. H, Warren, Pa.
King, Graham, architects, South Orange, N. J.
King, H. C., Lumber Co., Marion, Ohio.
King, H. P., Foundry & Machine Works, Osgood, Ind.
King Hardware Co., Atlanta, Ga.
King-Hasse Furn. Co., 497 N. Front, Memphis, Tenn.
King, Henry J. & John V., architects, 222 Market, Newark, N. J.
King Investment & Lumber Co., Pueblo, Colo.
King Iron Wks., 226 Ohio, Buffalo, N. Y.
King, J. H., drain tile, Colchester, Ill.
King, John, machsts., Oakland, Me.
King, Jno. F., architect, State blvd., Fort Wayne, Ind.
King, John P., Mfg. Co., cotton sheeting, Augusta, Ga.
King-Johnson Co., masons' mtls. & hardwood flooring, Brix Bldg., Fresno, Calif.
King Karbo Prod's Corp., 825 Concord, Pittsburgh, Pa.
King, L. B., contr., Champaign, Ill.
King, L. D., Lumber Co., Evergreen, Ala.
King Level Works, Brighton, Mich.
King Light Co., Peoria, Ill.
King, Lockwood Co., overalls, Bristol, Tenn.
King Lumber Co., The, John C., 201-3-4 Marion Bldg., Cleveland, O.
King Lumber Co., Prentice, Ala., & Charlottesville, Va.
King Lumber Co., W. O., 2701 S. Robey St., Chicago.
King Lumber Co., Merchants Exchange Bldg., San Francisco, Calif.
King, M. D., Milling Co., flour, Pittsfield, Ill.
King, M. L., architects, Snow Bldg., Syracuse, N. Y.
King Machine Tool Co., Clifton Ave. and B. & O. S. W. R. R., Cincinnati, O.
King Mach. & Mfg. Co., Los Angeles, Calif.
King Mantel & Furn. Co., masons' & fndrs.' matls., 306 S. Gay, Knoxville, Tenn.
King Manufacturing Co., St. Joseph, Mo.
King Mfg. Co., emery grinders, Piqua, Ohio.
King Mfg. Co., A. R., Kingston, N. Y.
King Mfg. Co., Front and Main Sts., Cincinnati, O.
King Milling Co., buckwheat flour, Lowell, Mich.
King Optical Co., Julius, 10-12 Maiden Lane, New York.
King Oven Co., 740 E. 3d, Los Angeles, Calif.
King Paint Mfg. Co., Dunham Pl., Brooklyn, N. Y.
King Paper Co., Kalamazoo, Mich.
King, Patrick J., sash, door & blind mfr., 1740 N. Crawford av., Chicago, Ill.
King, Philip T., cranes, 30 Church, New York.
King Piano Co., 238 S. La Salle, Chicago, Ill.

KING PNEUMATIC TOOL COMPANY, 1739 Armitage Ave., Chicago.
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MO.—St. Louis—Ernest Clarke, 320 N. Grand Ave., Linden 2225.
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Pittsburgh—Mill & Foundry Supply Co., 1214 Bessemer Bldg., Smithfield 2785.
UTAH—Salt Lake City—National Equipment Co., 101 Dooly Bldg., Wasatch 1722.
VA.—Richmond—D. B. Parker, 409 Law Bldg., Randolph 3520.
WIS.—Milwaukee—Mall Tool Company, 376 E. Water St., Broadway 2293.
CAN.—Montreal, Que.—Hope E. Scott & Co., Ltd. Insurance Exchange Bldg., Main 8189.

King Powder Co., 712 1st Nat'l Bank Bldg., Cincinnati, O.
King Pressed Steel & Mfg. Co., 13 Hawthorn St., Newton, Mass.
King, R. C., agricultural implements, Carlisle, Ky.
King, R. D. (market), Monadnock Blk., Chicago.
King, R. M., Lumber Co., Lebanon, Fla.
King Radio Co., radio rheostats, Century Bldg., Pittsburgh, Pa.
King Refining Co., asphalt, 58 Sutter, San Francisco, Calif.
King Refractories Co., Inc., 1709 Niagara St., Buffalo, N. Y.
King-Ryder Lumber Co., Bonami, La.
King Sash Door & Lumber Co., N. 2616 Cincinnati, Spokane, Wash.
King Sawmill Co., King, Ark.
King Sewing Machine Co., 90 Wellman, Buffalo, N. Y.
King Stove & Range Co., Sheffield, Ala.
King Trailer Co., Ann Arbor, Mich.
King Tire & Rubber Co., Foothill blvd. & Stanley rd., Oakland, Calif.
King Ventilating Co., Owatonna, Minn.
King, W. F., & Co., contractors, Duluth, Minn.
King, W. H., machinist, Coshocton, Ohio.
King, W. H., masons' & bldrs.' matls., Geneva, Ohio.
King, W. H., & Co., brick, Rockford, Ohio.
King, W. P., & Son, canned goods, Peach Bottom, Pa.
King, Walter E., Co., plumbers' supplies, jobbers, 1273 Mich., Cincinnati, Ohio.
King, Wm. P., metal nov. & spec., Syracuse, N. Y.

KINGHORN PUMP VALVE CO., 831 E. 15th St., Brooklyn, N. Y.

Kingan & Co., Ltd., canned meats, W. End, Maryland & Blackport, Indianapolis, Ind.
Kingan & Co., Ltd., 540 E. Bay, Jacksonville, Fla.
Kingan Provision Co., meat packers, 626 W. 35th, New York, & Callowhill & 8th, Philadelphia, Pa.
Kingery Mfg. Co., peanut roasting machines, 420 E. Pearl, Cincinnati, Ohio.
Kingfisher Mill & Elevator Co., flour, Kingfisher, Okla.
Kingler, C. P., brick, Paulding, Ohio.
Kingman & Co., E. B., Leominster, Mass.
Kingman Central Commercial Co., Tuscon, Ariz.
Kingman Hardware Co., wholesale, Warren, Hudson, N. Y.
Kingman Mfg. Co., auto accessories, kick plates, etc., 2201 S. Main, Los Angeles, Calif.
Kings, A. J., & Son, contrs., Mitchell, S. D.
Kings', B. V., mach. shop & fdry., Sault Ste. Marie, Mich.
Kings County Iron Fdy., 13th and Berry Sts., Brooklyn, N. Y.
Kings County Packing Co., canned goods, Armona, Calif.
Kings County Rich Cut Glass Wks., 174 N. 4th, Brooklyn, N. Y.
Kings Creek Quarry Co., stone producers, New Cumberland, W. Va.
Kings Crown Plaster Co., Cedar Rapids, Ia.
Kings Mountain Cotton Oil Co., Kings Mountain, N. C.
King's Food Products Co., Blake McFall Bldg., Portland, Ore.
Kingsberry Mfg. Co., overalls, Fort Worth, Texas.
Kingsbridge Iron Works, 405 E. 99th, New York.
Kingsbury & Davis Machine Co., South Coventry, Conn.
Kingsbury, A. W., stone producers, Stafford Springs, Conn.
Kingsbury Constr. Co., Hudson Falls, N. Y.
Kingsbury-Leahy Co., Albany, N. Y.
Kingsbury Manufacturing Co., Keene, N. H.
Kingsbury-Samuel Electric Co., 530 N. Calvert St., Baltimore, Md.
Kingsdale Lbr. Corp., Lumberton, N. C.
Kingsford Foundry & Mach. Works, Oswego, N. Y.
Kingsland, Inc., W. J., (Hardware Mach.), 24 State St., New York.
Kingsley, E. B., shoe pegs, Salisbury Center, N. Y.
Kingsley, H. B., lubricating oils, 325 St. Clair av., N. W., Cleveland, Ohio.
Kingsley, L. J., Co., whol. hdwe., Binghamton, N. Y.
Kingsley Paper Co., 321 St. Clair av., N. W., Cleveland, Ohio.
Kingsport Brick Corp., Kingsport, Tenn.
Kingston Fdry. Co., Kingston, N. Y.
Kingston Granite Tub Wks., artificial stone laundry tubs, Kingston, N. Y.
Kingston, J. B., & Co., flour mills, Shelbyville, Tenn.
Kingston, J. P., & Son, architect, 619 Park Bldg., Worcester, Mass.
Kingston Knitting Co., sweaters, etc., 55 Carleton, Boston, Mass.
Kingston Machine & Foundry Co., Kingston, N. Y.
Kingston Milling Co., flour & corn, Kingston, Ark.
Kingston Ship Bldg. Co., Kingston, N. Y.
Kingston Spoke Mfg. Co., Kingston, Ark.
Kingston's Paper Co., Inc., Little Falls, N. Y.
Kingsville Lumber Co., Kingsville, Tex.
Kingwell Bros., California Brass Works, bearings, castings, etc., 444 Natoma, San Francisco, Calif.
Kinkel's, P. H., Sons, miners' feldspar, Bedford, N. Y.
Kinkerter & Sheppard Co., mill & facty. supplies, 4669 Frankford, Philadelphia, Pa.
Kinmont Mfg. Co., roofing paper machy., 5420 Santa Fe av., Los Angeles, Calif.
Kinnard & Sons Mfg. Co., kerosene tractors, 44th av. N. & Bryant, Minneapolis, Minn.
Kinnard Mfg. Co., Bacon and Clinton Sts., Dayton, O.
Kinne, Linn, architect, Mayro Bldg., Utica, N. Y.
Kinne Mfg. Co., stoves, 1401 Central av., Minneapolis, Minn.
Kinne, W. A., fndrs., 251 Whiting, New Britain, Conn.
Kinnear & Co., W. S. (Engrs.), 111 Broadway, New York.

KINNEAR MANUFACTURING CO., THE, 716-766 Field Ave., Columbus, O.
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San Francisco, Cal.—525 Market St., O. P. Shelley.
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St. Johannsburg, S. Africa—Oceana Bldg., Sturrock (South Africa), Ltd.
San Juan, P. R., Salvador R. Nin.
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Winnipeg, Man., Can.—307 Scott Block, Mussens Limited.

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Kinney, A. C., contractor, Norwalk, Ohio.
Kinney, F., tubular boilers, Oakdale, Pa.
Kinney Lumber Co., Orrville, Ohio.
Kinney Mfg. Co., 3541 Washington St., Boston, Mass.
Kinney Mfg. Co., B. W., 586 Howard St., San Francisco, Cal.
Kinney, Myron, & Son, masons' & bldrs.' matls., Putnam, Conn.
Kinney-Rome Co., 3617 S. Racine Ave., Chicago.
Kinnison Bros., Dallas, Tex.
Kinockton Apparatus Corp., moving picture machines, Bridgeton, N. J.
Kinsbury, Albert, Oliver Bldg., Pittsburgh, Pa.
Kinsella Co., John J., 900 W. 22nd St., Chicago.
Kinsella Varnish Co., Springfield, Ill.
Kinser, B. M., contr., Eustis, Fla.
Kinsey & Mahler Co., machsts. & fndrs., mill, facty. & plumbers' supplies, Peoria, Ill.
Kinsey Co., The E. A., 331-335 Fourth St., W., Cincinnati, O.
Kinsey, Howard P., cornices, Easton, Pa.
Kinsey, Wm. A., steel structural wk., 192 Market, Newark, N. J.
Kinsler-Bennett Co., universal joints, 240 Grandview Terrace, Hartford, Conn.
Kinsley, John R., fndrs., 115 E. 6th, Cincinnati, Ohio.
Kinsman & Wagner, carriages, Calumet, Mich.
Kinston Iron & Mantel Wks., sashes, doors, blinds, etc., Kinston, N. C.
Kinter, F. D., masons' & bldrs.' matls., Athens, Pa.
Kinyon, E. H., masons' & bldrs.' matls., Quincy, Mich.
Kinyon, Willis, machst., Amber, N. Y.
Kinzel Lbr. Co., Merrill, Wis.
Kinzie, T. D., canned goods, Troutville, Va.
Kinzig Tool Co., dies, etc., 1239 W. 3d, Cleveland, O.
Kip Brush Co., 449 Greenwich St., New York.
Kipp, A. B., & Co., masons' & bldrs.' matls., Minonk, Ill.
Kipp, B. A., & Co., lumber, 818 W. 6th, Cincinnati, O.
Kipp, Ralph P., freight elevators, Ossining, N. Y.
Kipp Engine Works, Ossining, N. Y.
Kipp, S. C., Jr., & Son, damper & pressure regulators, Ossining, N. Y.
Kipp, W. A., fndr., Bronson, Mich.
Kipper & Co., wind shields, 1734 S. Los Angeles, Los Angeles, Calif.
Kirby & Co., William C., 105 W. Monroe St., Chicago.
Kirby & Gallop, canned goods, Oxford, Md.
Kirby & Naber, cornices & skylights, Springfield, Mo.
Kirby Canning Co., Trappe, Md.
Kirby, Clement S., architect, 757 E. 6th, Erie, Pa.
Kirby-Cogeshall Co., (Labels, Signs, etc.), Huron & Jackson Sts., Milwaukee, Wis.
Kirby, G. J., Co., optical goods, Willimantic, Conn.
Kirby, Geo., Jr., Paint Co., Gloucester & New Bedford, Mass.
Kirby Lumber Co., Houston, Tex.
Kirby Mfg. Co., toys, Middletown, Conn.
Kirby Planing Mill Co., Thomasville, Ga.
Kirby, Thos. H., & Sons, ship bldrs., St. Michaels, Md.
Kirby-Wood Lumber Co., Muncie, Ind.
Kirchberger & Co., Inc., M., 14th Ave and 37th St., Brooklyn, N. Y.
Kirchheimer Bros Co., 433 W. Ohio St., Chicago.
Kirchmann Hardwood Co., 485 California, San Francisco, Calif.
Kirchner Boiler Alarm Co., P. A., 2331 S. Hanna St., Ft. Wayne, Ind.
Kirchner Const. Co., 221 W. 9th St., Cincinnati, O.
Kirchoff, A. G. J., contractor, New Rochelle, N. Y.
Kirchoff Bros., masons' & bldrs.' matls., Hampshire, Ill.
Kirchof, F. J., Constr. Co., 718 Lawrence, Baltimore, Md.
Kirchhof, Frank, Lumber Co., 1232 Arapohoe, Denver, Colo.
Kirchof Lumber Co., Frank, Denver, Colo.
Kirchof Patent Co., 30 Stirling St., Newark, N. J.
Kirchhoff Piano Co., 2777 3d av., New York.

KIRK & BLUM MANUFACTURING CO., 2801 Spring Grove Ave., Cincinnati, O.
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Sec.—W. R. Meuttman.
Treas.—C. F. Wulff.

Kirk & Co., J. S., 1232 W. North Ave., Chicago.
Kirk, Bimpson, steam & hot water htg. contr., 441 W. 50th, New York.
Kirk Co., G. R., Puget Sound Bank Bldg., Tacoma, Wash.
Kirk, Halbicht Co., skylight ventilating apparatus, 108 S. Calvert, Baltimore, Md.
Kirk, Harry D., inks, mucilage mfr., 2346 W. Harrison, Chicago, Ill
Kirk, Hutton & Co., whol. hdwe., New Castle, Pa.
Kirk, J. B., mach. & fndr., The Dalles, Ore.
Kirk, John P., ship bldr., Toms River, N. J.
Kirk, Joseph H., Co., barrels, 725 W. 31st, Chicago, Ill.

KIRK-LATTY MFG. CO., THE, 8500 Madison Ave., Cleveland, O.
Pres.—S. D. Latty.
V. P.—J. R. Kraus.
Sec.—R. F. Reid.
Treas.—F. H. Meisaac.

Kirk, Sam'l, & Son Co., silver nov., 108 E. Baltimore, Baltimore, Md.
Kirk Supply Co., mill & facty. supplies, Farmers' Bk. Bldg., Pittsburgh, Pa.
Kirk, W. P., Co., corsets, 749 Main, Bridgeport, Conn.
Kirk, W. S., lbr., Roanoke, Ala.
Kirk, Walter R., chemicals & glycerine, 327 S. La Salle, Chicago, Ill.

KIRKGASSER, GEO. J., 400 N. Michigan Ave., Chicago.

Kirker, L. C., & Son, contractors, Beaver Falls, Pa.
Kirkman & Son, 215 Water St., Brooklyn, N. Y.
Kirkman Engng. Corp., elec. fuses, 484 Broome, New York.
Kirkman Engineering Corp., 484 Broome St., New York.
Kirkpatrick & Sons Co., J. O., 140 N. 1st St., Nashville, Tenn.
Kirkpatrick Bros., stone prod., Hancock, N. Y.
Kirkpatrick Lumber & Timber Co., Birmingham, Ala.
Kirkpatrick Lbr. Co., Lisman, Ala.
Kirkpatrick Sand & Cement Co., S. 24th St., Birmingham, Ala.
Kirkpatrick, W. J., masons' & bldrs.' matls., Battle Creek, Mich.
Kirkup & Co., Robt., 616 Lodge, Cincinnati, O.
Kirkwood & Wharton, San Antonio, Tex.
Kirkwood Wind Engine Co., machsts. & fndrs., Arkansas City, Kans.
Kirn & Bro., M. L., 2137 N. Lawrence St., Philadelphia, Pa.
Kirn, G. C., Adv. Sign Co., elec., 1303 Pine, St. Louis, Mo.
Kirsch, Jacob Co., cornices & skylights, 3234 Penn av., Pittsburgh, Pa.
Kirsch Mfg. Co., curtain rods, Sturgis, Mich.
Kirsch, Peter, sashes, doors & blinds, Decatur, Ind.
Kirsch, Sellemeyer, & Sons Co., masons' & bldrs.' matls., Decatur, Ind.
Kirschbraum, Lester, testing engineer, 536 Lake Shore Drive, Chicago, Ill.
Kirsh, Frank W., cornices & skylights, Everett, Wash.
Kirsten, Oscar, coppersmiths, 45 Tehama, San Francisco, Calif.
Kirstin, A. J., Co., stump pullers, Escanaba, Mich.
Kirtland Bros. & Co., safety razor mfrs., 96 Chambers, New York.
Kirtland, W. H., slate slabs, stairs, treads, etc., 1123 Broadway, New York.
Kirwan & Co., E. F. Mar. Bank Bldg., Baltimore, Md.
Kirwan Bros., lumber mfrs., Fulton & Adams, Louisville, Ky.

Kirwan, Wm. T. A., & Son, cornices, Barney & Westphal, Baltimore, Md.
Kirwin Bros., contractors, Newport, R. I.
Kiskiments Coal Co., bituminous, Blairsville, Pa.
Kisner, John M., & Bro., Lumber Co., Fairmont, W. Va.
Kiss Bros. Mfg. Co., incand. lamps, 50 Webb, New Haven, Conn.
Kissel Motor Car Co., Hartford, Wis.
Kisselstein, Will, willow ware mfrs., R. D. No. 3, Central Square, New York.
Kissinger's, Jacob, Sons, machsts., 352 W. 13th, New York.
Kissner, R. D., masons' & bldrs.' matls., Delaware, O.
Kister, F. L., Jr., lumber, Bowling Green, Ky.
Kistler & Steppstedt, machsts. & fndrs., Odebolt, Ia.
Kistler, Lesh & Co., 332 Summer St., Boston, Mass.
Kistler, W. H., Stationery Co., 1636 Champa, Denver, Colo.
Kistner, Geo. C., contractor, Elkhart, Ind.
Kitchen Co., J. H., 9th and Main Sts., Kansas City, Mo.
Kitchen, J. Webb, & Co., contrs., tents, 2117 2d, Seattle, Wash.
Kitchen, R. R., & Co., contrs., National Bank bldg., Wheeling, W. Va.
Kitchen Specialty Mfg. Co., pot covers, Reading, Pa.
Kitselman Bros., Muncie, Ind.
Kitson Co., 2815-2827 Oakford St., Philadelphia, Pa.
Kittanning Brick & Fire Clay Co., Empire Bldg., Pittsburgh, Pa.
Kittanning Clay Mfg. Co., Kittanning, Pa.
Kittanning Iron & Steel Co., Water St., Kittanning, Pa.
Kittel, George P. (Oil Burners), 268 Hudson Ave., Union Hill, N. J.
Kittinger & Stock, sash, door & blind mfrs., Canal Fulton, Ohio.
Kittinger Furniture Co., portables, 1893 Elmwood av., Buffalo, N. Y.
Kittitas Lumber Co., Ellensburg, Wash.
Kittle, H. M., & Co., trunk mfrs., 197 Jefferson av., Detroit, Mich.
Kittle Mfg. Co., camp chairs, stamping, etc., 643 Santa Fe av., Los Angeles, Calif.
Kittoe Boiler & Tank Wks., Canton, O.
Kittredge & Co., R. J., 812 W. Superior St., Chicago.
Kittredge E. L., Milford, N. H.
Kittredge-Water Supply Co., Ltd., New Orleans, La.
Kittredge Quarries, Milford, N. H.
Kitts Mfg. Co., Oswego, N. Y.
Kitts Steam Specialty Co., Oswego, N. Y.
Kitz, Joseph, brewers' pitch & shellac, 333 Jefferson, Hoboken, N. J.
Kizer, Thos. S., socket wrenches, 1005 North Carolina, Arkansas City, Kans.
Klaas, Max, pocket knives, razors, shears, etc., 320 Broadway, New York.
Klaber, A., & Son, plumbers' marble wks., 211 Vernon av., Long Island City, N. Y.
Klaber, S., & Co., arch'l bronze, 144 W. 55th, New York.
Klaine & Co., F. A., Central Ave., Front & Water Sts., Cincinnati, O.
Klamath Pine Mfg. Co., Klamath Falls, Ore.
Klamath River Packers' Assn., canned goods, Requa, Calif.
Klamer-Goebel Furn. Co., Dept. H, 1320 Edgar, Evansville, Ind.
Klamer, O. A., Furn. Co., Dept. H, Evansville, Ind.
Klappert's, C. W., Sons, contractors, 328 E. 25th, New York.
Klarer Provision Co., meat packers, Louisville, Ky.
Klarquist, S. M., & Son, contractors, Security Bk. bldg., Minneapolis, Minn.
Klatt, W. C., & Sons, lumber mfrs., Goldendale, Wash.
Klauberg, C., & Bros., razor mfrs., Woolworth bldg., New York.
Klauder-Weldon Dyeing Mach. Co., machsts. & fndrs., Yardley, Pa.
Klauneg, Hugo, willow furniture, Berkeley, Calif.
Klaus & Co., machsts., 541 Ferry, Newark, N. J.
Klaus Radio Co., Rock Island, Ill.
Klause, Chas., fndrs., 435 N. Broad, Philadelphia, Pa.
Klauer Manufacturing Co., 9th and Washington Sts., Dubuque, Ia.

KLAU-VAN PIETERSON-DUNLAP, INC., 131-133 Second St., Milwaukee, Wis.

Klaxon Co., Bloomfield St., Newark, N. J.
Klean-Wel Mfg. Co., wall paper cleaner, soaps & cleaning specialties, Superior Viaduct, Cleveland, Ohio.
Kleber Truck Co., 2308 Josephine, Pittsburgh, Pa.
Kleckhefer Box Co., Milwaukee, Wis.
Kleeb Lumber Co., South Bend, Wash.
Kleck, J. W., mattresses, San Antonio, Tex.
Kleeman, L. F., Mfg. Co., archi. & orna. iron, 1923 Central, Kansas City, Mo.
Klee, Thomson, Co., 327 E. 40th St., New York.
Klee-Nup Manufacturing Co., 309 Ravine St., Hancock, Mich.
Kleeman, Wm., & Co., interior hardwood work (mfrs. & erectors), 101 Park av., New York.
Kleiber & Co., 1480 Folsom, San Francisco, Calif.
Kleiber Motor Truck Co., 11th & Folsom, San Francisco, Calif.
Kleiber Motor Truck Co., Park & Peter Sts., Atlanta, Ga.
Klein & Co., Nathan, 208 Centre St., New York.

KLEIN & SONS, MATHIAS, 3200 Belmont Ave., Chicago.
Export Office—New York, 114 Liberty St., Harmon S. Salt

Klein, A., cornices & skylights, 165 E. 33d, New York.
Klein Brick Co., C. H., Chaska, Minn.
Klein Bros., bamboo furniture, Paystar av., Long Island City, N. Y.
Klein Bros. Co., contractors, Dallas, Tex.
Klein Bros. Packing Co., meat packers, Presto, Pa.
Klein, Ernest, & Bro., ground connect. clamps, 44 Fulton, New York.
Klein, Fred, cornices & skylights, Findlay, Ohio.
Klein, J. B., Iron Fdry. Co., 1006 W. 2d, Oklahoma, Okla.

KLEIN-LOGAN CO., THE, South 13th & Bread Sts., Pittsburgh, Pa.
Pres.—Edw. P. Logan.
V. P.—J. C. Klein.
Treas.—Edw. P. Logan.
Sec.—F. R. Klein.
Supt.—Fred E. Klein.
Mgr. R. R. Sales Dept.—F. R. Klein.
R. R. Sales Dept.—R. L. Mason.
New York—4701 Woolworth Bldg., L. T. Burwell.
St. Louis, Mo.—2169 Railway Exchange Bldg., Busch Corp.
St. Paul, Minn.—879 Jackson St., Warren F. Ware, Mgr.
Washington, D. C.—630 Louisiana Ave., Frank N. Grigg, Mgr.

Klein Mfg. Co., Amer. Trust Bldg., Cleveland, O.
Klein, Paul, masons' & bldrs.' matls., Iola, Kan.
Kleine, Wm. E., & Co., whol. hdwe., 135 Bleecker, New York.
Kleinert, I. B., Rubber Co., rubber bath curtains & rubber goods, 485 5th av., New York.

KLEINHANS COMPANY, H., Union Trust Bldg., Pittsburgh, Pa.

Klemm & Co., 1364 W. Grand Ave., Chicago.
Klemm & Co., 132 N. 5th St., Philadelphia, Pa.
Klemm, E. R., 1453 Austin Ave., Chicago.
Klemp, H. W., Furn. Co., Dept. H, Leavenworth, Kans.
Klenck, F. J., Co., plbrs.' traps & brass tubing, 309 Minna, San Francisco, Calif.
Klenk, August, billiard & pool tables, 1428 V. Dyke, Detroit, Mich.
Klenk, Martin, carriages, Sandusky, Ohio.
Kleno Mfg. Co., soap, North Weymouth, Mass.
Klepach, John, contractor, Cedar Rapids, Iowa.
Kierner, Peter, Furn. Co., Dept. H, Albany, Ind.
Klesius, Geo. A., cornices, 1223 8th av., Altoona, Pa.
Klett, H. G., machsts., 117 E. 129th, New York.
Klett, Jacob, & Sons, lumber mfrs., 336 Pearl, Ft. Wayne, Ind.
Kleymeyer-Klutcy Brick & Tile Co., Henderson, Ky.
Klicka Co., The Joseph (Mouldings), Washtenaw Ave. & 19th St., Chicago.
Kliegel Bros., 321 W. 50th St., New York.
Klieves Lumber Co., sash, door & blind, 31st & Eoff, Wheeling, W. Va.
Klimpl Medal Co., emblems & pins, 352 W. 13th, New York.
Klinch Lath Corp., 1861 E. 53d, Los Angeles, Calif.
Klinck Bros., meat packers, 588 Howard, Buffalo, N. Y.
Klinck, C., Packing Co., meat, 50 Depot, Buffalo, N. Y.
Klindt, Geiger Canning Co., Cassville, Wis.
Kline & Co., Reading, Pa.
Kline & Co., plumbers' sup., 84 Front, Portland, Ore.
Kline & Co., Williamsport, Pa.
Kline & Sacks, 433 N. 13th, Allentown, Pa.
Kline Brick Co., John, Wickliffe, O.
Kline Car Corp., Richmond, Va.
Kline Co., disinfectants & soap, 455 Folsom, San Francisco, Calif.
Kline, Mrs. Eliz., flour mills, Brookville, Pa.
Kline Hdwe. Co., machsts. & fndrs., Allentown, Pa.
Kline, Jas. M., hydraulic rams, Beavertown, Pa.
Kline, Lewis T., Alpena, Mich.
Kline Lumber & Constr. Co., New Castle, Pa.
Kline, M. L., 80 Front St., Portland, Ore.
Kling Bros. & Co., Inc., 2226 Wabansia Ave., Chicago.

KLING BROS. ENGINEERING WORKS, 1300 N. Kostner Ave., Chicago.
Pres.—Carl W. Kling.
V. P.—Olaf E. Kling.
Sec. & Treas.—James B. Kling.

Kling Mfg. Co., furn. & sashes, 1601 E. 15th, Los Angeles, Calif.
Klingbeil & Oetinger, bilge pumps, 80 Front, Portland, Ore.
Klingelhofer, Wm. L., 114 Meyran St., Pittsburgh, Pa.
Klingensmith, H. A., & Son, masons' & bldrs.' matls., New Kensington, Pa.
Klingler, H. J., & Co., buckwheat flour, Butler, Pa.
Klinkerfues Bros. Co., overalls, St. Paul, Minn.
Klintz, A., & Co., elec. signs, 905 W. Randolph, Chicago, Ill.

KLIPFEL MFG. CO., 2651 W. Harrison St., Chicago.
Pres.—J. H. Swan.
V. P.—E. W. Schulz.
Secy. & Treas.—W. D. Klipfel.

Klip-Klip Co., nail clippers, Rochester, N. Y.
Klipper Mfg. Co., machsts. & fndrs., Beaver Dam, Wis.
Klipstein & Co., A., 644-652 Greenwich St., New York
Klipstine, Wm., Lumber Co., Sidney, Ohio.
Klipto Co., Inc., loose leaf binders, Mason City, Iowa.
Klise Manufacturing Co., Grand Rapids, Mich.
Klitz & Kolsgaard, contrs., Dwight, Ill.
Kloak Bros. & Co., store fixtures, 12 E. 3d, Cincinnati, Ohio.
Klock, A. B., machinist, Herkimer, N. Y.
Kloeres & Koch, arch'l iron, 477 Clementina, San Francisco, Calif.
Kloes, F. J., window shades, 269 Canal, New York.
Klondike Incubator Co., Des Moines, Iowa.
Klopfer, Fred'k, carriages, Muncie, Ind.
Klopp, John F., contr., 73 Allenhurst rd., Buffalo, N. Y.
Klopping, A. C., stampings, etc., Toledo, Ohio.
Klopstock Bros., furniture, 3320 18th, San Francisco, Calif.
Klose & Co., Doniphan, Neb.
Klosce, A., semi-continuous kilns, 277 Hawthorne av., Portland, Ore.
Klosner Improved Apparatus Co., radio rheostats, 2404 Crotona av., New York.
Klostermeier Bros. Hardware Co., The, Atchison, Kan.
Klostermeier, Louis, brick, Boonville, Ind.
Klotz, E. L., masons' & bldrs.' matls., Little Falls, N. J.
Klotz Machine Co., Sandusky, O.
Kluegel, T. J., Carriage & Wagon Mfg. Co., 827 S. Broadway, St. Louis, Mo.
Klufkee, H. E., Saddlery Co., hdwe., 150 N. 2d, Phila., Pa.
Kluge, E. H., Weaving Co., labels, 33 W. 34th, New York.
Klumpp's, Jno. G., Sons, bowling alley bldrs., etc., 13 Baxter, New York.
Klyce, B. H., civil engnr., 720 4th & 1st National Bank bldg., Nashville, Tenn.
Kluyskens, G. J., autos, 220 Broadway, New York.
Knabb, A., & Co., cooperage stock, Warren, Pa.
Knabb, L., turpentine, Moniac, Ga.
Knape & Vogt Mfg. Co., Richmond & Muskegon Sts. N. W. Grand Rapids, Mich.
Knape, E. P., machsts. & fndrs., Twin Falls, Idaho.
Knapheide Wagon Co., Quincy, Ill.
Knapp & Ronneberger, machsts. & fndrs., Anacortes, Wash.
Knapp & Spencer Co., Sioux City, Ia.
Knapp, Arthur P., arch'l iron, Lowell, Mass.
Knapp Bros. Mfg. Co., 2419 W. 14th St., Chicago.
Knapp, C. H., machinist, Paterson, N. J.
Knapp Co., desk calendars, 52 E. 19th, New York.
Knapp, E. J., & Co., paint, Belding, Mich.
Knapp, Edw. J., Candle Co., Syracuse, N. Y.
Knapp Elec. & Nov. Co., elec. portable fans, 130 W. 42d, New York.
Knapp Fence Co., The, 1148 E. 134th St., Cleveland, O.
Knapp, Gardner & Co., machsts. & fndrs., 62 Sudbury, Boston, Mass.
Knapp, Geo. E., lbr., Tilton, N. H.
Knapp, Geo. S., 350 George St., Bridgeport, Conn.
Knapp, Herbert E., architect, Waterville, Me.
Knapp, J. E., Co., 525 Market, San Francisco, Calif.
Knapp, Jacob, willow ware mfrs., 133 Brow, Liverpool, N. Y.
Knapp, John, & Sons, Foundry Co., Akron, Ohio.
Knapp Mfg. & Supply Co., brass trays, lamps, oilers, torches, etc., 241 Water, New York.
Knapp Metal Barrel Co., Balboa Bldg., San Francisco, Calif.
Knapp Metal Barrel & Package Co., 218 1st, San Francisco, Calif.
Knapp, O. H. P., cornices & skylights, Emporia, Kan.
Knapp, O. P., & Son, carriages, Aurora, Ill.
Knapp Plow Co., Inc., San Jose, Calif.
Knapp Rubber Binding Co., 31 E. 17th St., New York.
Knapp Supply Co., Union City, Ind.
Knappmann, Wm., & Co., chalk & whit'g mfrs., 1105 Metropolitan av., N. Y.
Knappton Mills & Lumber Co., Knappton, Wash.
Knauf & Teech Co., Chilton, Wis.
Knau & Howe, machsts. & fndrs., Denison, Tex.
Knauth Bros., 84 Fifth Ave. New York.
Kneadable Metallic Packing Co., 780 Bryant, San Francisco, Calif.
Kneass, Geo. W., motor boat bldrs., 18th & Illinois, San Francisco, Calif.
Knecht, M., & Sons, machsts. & fndrs., West Salisbury, Pa.
Knecht Milling Co., flour, Mill Hall, Pa.
Knecht & Thomas Pump Co., Union City, Ind.
Kneedler & Co., awning stripes, tickings, Eadom & Kennedy, Phila., Pa.
Kneeland-Bigelow Co., Bay City, Mich.
Kneeland-McLurg Lbr. Co., Phillips, Wis.
Kneeskern, J. H., & Sons, sash, door & blind mfrs., St. Johnsville, N. Y.
Knell, W. W. & H. H., furniture, 1935 Market, Phila., Pa.
Knepper, Jno. H., & Son, heating contractors, 430 Main, Brooklyn, N. Y.
Knetzger, Chas., Lbr. Co., Peoria, Ill.
Knibb, F. H. & Son, contrs., 122 Sumit av., Buffalo, N. Y.
Knickerbocker Annunciator Co., 116 West, New York.
Knickerbocker Bag Co., second-hand bags, 7 Front, New York.

KNICKERBOCKER CASE CO., sample cases, traveling bags & suit cases, Fulton & Clinton, Chicago, Ill.

Knickerbocker Chandelier & Elect'l Supply Co., gas light fixture mfrs., 325 W. 42d, New York.
Knickerbocker Co., Jackson, Mich.
Knickerbocker Electric Co., elev. indicators, 116H West, New York.
Knickerbocker Elevator Gate Co., 116 West St., New York.
Knickerbocker Inkstand Co., Inc., Lyndhurst, N. J.
Knickerbocker Lime Co., 364 N. 24th St., Philadelphia, Pa.
Knickerbocker Lthr. & Nov. Co., advtg. nov. & spec., 79 5th av., New York.
Knickerbocker Mfg. Co., 2339 W. Van Buren St., (Bath Sprays) Chicago.
Knickerbocker Metallic Bed Co., machinists, Bayonne, N. J.
Knickerbocker Portland Cement Co., Inc., 342 Madison Ave., New York.
Knickerbocker Silver Co., Port Jervis, N. Y.
Knickerbocker Slate Corp., slate, 153 E. 38th, New York.
Knickerbocker Supply Co., mill & factory supplies, 149 Church, New York.
Knickerbocker Valve Co., heat generators, Oneida, N. Y.
Knickerbocker Watch Co., 389 5th av., New York.
Knight & Co., machinists, Sutter Creek, Calif.
Knight & De Micco, contractors, 448 E. Tremont av., New York.
Knight & Son, H. W., Seneca Falls, N. Y.
Knight & Thomas, Inc., 212 Summer St., Boston, Mass.
Knight & Wall, Tampa, Fla.
Knight, Arthur J., lbr., Dublin, N. H.
Knight, B. B. & R., Inc., cotton sheeting, 813 Hospital Trust Bldg., Providence, R. I.
Knight-Brinckerhoff Piano Co., Brazil, Ind.
Knight Bros., brass castings, 11 Monument Sq., Portland, Me.
Knight Co., screw products, David Whitney Bldg., Detroit, Mich.
Knight, E. L., Co., 449 Washington, Portland, Ore.
Knight Engineering & Sales Co., elec. drills, 30 W. Walton pl., Chicago, Ill.
Knight, Eugene H., architect, 1607 Empire Bldg., Birmingham, Ala.
Knight, Geo. C., machsts., Woonsocket, R. I.
Knight, Geo., & Co., machsts. & fndrs., Brockton, Mass.
Knight Iron & Metal Co., scrap metal merchts., 27th to 28th, & 1st av., Birmingham, Ala.
Knight, J. T., & Son, scrap metal merchants, Columbus, Ga.
Knight Light & Soda Fountain Co., 2701 N. Kildare Ave., Chicago.

KNIGHT, MAURICE A. (Mfrs. of Chemical Stoneware Apparatus), Kelly Ave., Akron, O.
Pres. & Gen. Mgr.—M. A. Knight.
Sec.—E. H. Hoppenstedt.
Treas.—C. E. Peck.
Gen. Supt.—C. S. Dennison.
Buffalo, N. Y.—40 Main St., E. H. Miller, Mgr.
Chicago—3464 N. Clark St., Percy Sawyer, Mgr.
New York—404 World Bldg., Park Row, Samuel J. Baril.
Philadelphia, Pa.—1228 Spruce St., C. E. Brown, Mgr.
San Francisco, Cal.—Merchants Exchange Bldg., B. M. Pilhashy.
Toronto, Can.—Temple Bldg., T. A. Case.

Knight Mach. Co., W. B., 2019 Lucas Ave., St. Louis, Mo.
Knight Manufacturing Co., Canton, O.
Knight, Maurice L., stone producers, 1025 W. Mulberry, Baltimore, Md.
Knight Packing Co., canned goods, 474 E. Alder, Portland, Ore.
Knight Woolen Mills, Provo, Utah.
Knightley Milling Co., flour mills, Fort Defiance, Va.
Knightstown Buggy Co., carriages, Knightstown, Ind.
Knightstown Conserve Co., Knightstown, Ind.
Knipp, J. C., & Sons, furniture, 218H Clay, Baltimore, Md.
Knisely Co., H. C., 1912 S. Western Ave., Chicago.
Knit Goods Mfg. Co., sweaters, cardigans, etc., 196 Palmeto, Brooklyn, N. Y.
Knit Goods Specialty Co., mantle knittings machy., Chicopee Falls, Mass.
Knitted Padding Co., Canton Junction, Mass.
Knitted Padding Co., 201 Devonshire St., Boston, Mass.
Knittel, Jos., Show Case Co., Quincy, Ill.
Knittle-Cashel Co., htg. constr., 224 5th, San Francisco, Calif.
Knoble Filter Co., 1587 Clybourn av., Chicago, Ill.
Knoburn Co., doors, window frames, etc.—metallic, Hoboken, N. J.
Knobview Canning Co., Knobview, Mo.
Knodle, B. C., cornices & skylights, De Kalb, Ill.
Knoedler, Fred J., tin plate, metals, etc., 68 N. 2d, Phila., Pa.
Knoek, L. S., & Co., whol. hdwe., 188 State, Hartford, Conn.
Knoell & Sons (Inc.), 179 Jefferson St., Philadelphia, Pa.

Knoell Bros., contractors, 1211 S. L., Tacoma, Wash.
Knoell, John, & Sons, refrigerators, 231 S. 2nd, Phila., Pa.
Knoell Mfg. Co., advtg. spec., Tonawanda, N. Y.
Knoeller Elect. Co., light switches & rheostats, De Pere, Wis.
Knoeppel & Co., Inc., C. E., 52 Vanderbilt Ave., New York.
Knoff Mfg. Co., machinists, Mankato, Minn.
Knoke, O. E., lbr., Hatley, Wis.
Knoll, Carl A., & Sons, contrs., 1448 Whalley av., New Haven, Conn.
Knoll, H. W., advt. agency, 465 California, San Francisco, Calif.
Knoll, Janas L., Mfg. Co., clothes washing machines, Lebanon, Pa.
Knoll Mfg. Co., clothes washing machines, 124 Maple, Reading, Pa.
Knollenberg Milling Co., flour, Quincy, Ill.
Knoop, Otto, Lumber & Realty Co., 1217 Julia, New Orleans, La.
Knopf, Chas., architect, 587 S. 10th, Newark, N. J.
Knopp Bros. Co., contractors' & masons' & bldrs.' matls., Toledo, Ohio.
Knorr, Edwin B., & Bro., plate glass, 1748 Orthodox, Phila., Pa.
Knott & Harker Co., Beaver Falls, Pa. (Now Ideal Fdry. & Machinery Co.)
Knott Apparatus Co., L. E., 79 Amherst St., Boston, Mass.
Knott, E. R., Mach. Co., 32 Dorchester, Boston, Mass.
Knott, L. & Co., sash, door & blind mfrs., Cassadaga, N. Y.
Knott Mfg. Co., plumbers' woodwork, Tell City, Ind.
Knott's, David N., Sons, second hand bags, 236 N. Del., Philadelphia, Pa.
Knowlan Mach. & Supply Co., Victoria, Tex.
Knowles & Peck, cornices, 80 Franklin, Rochester, N. Y.
Knowles, A. E., carriages, North Chesterville, Me.
Knowles, Adam, machst., Woodstown, N. J.
Knowles China Co., E. M., East Liverpool, O.
Knowles Fdry. & Machine Co., W. H., Ottawa, Ill.
Knowles, Homer, Pottery Co., china, Santa Clara, Calif.
Knowles-Lombard Co., canned goods, Guilford, Conn.
Knowles, Morris, modernizing engrs., Oliver bldg., Pittsburgh, Pa.
Knowles Mushroom Ventilator Co., 204 Franklin St., New York.
Knowles, S. E., Co., fishing bait & tackle, 977 Howard, San Francisco, Calif.
Knowles Scale & Supply Co., mill & fcty. supplies, Lowell, Mass.
Knowles Scale Works, Lowell, Mass.
Knowles Steam Pump Wks., pumping machy., 115 B'way, New York.
Knowles, Taylor & Knowles Co., crockery, East Liverpool, Ohio.
Knowles, W. H., Foundry & Machine Co., machsts. & fndrs., Ottawa, Ill.
Knowles, Wm. H., & Co., mill & facty. supplies, 108 Willis, New Bedford, Mass.
Knowlson & Kelley Co., engineers, etc., Troy, N. Y.
Knowlson, A. B., Co., masons' & bldrs.' matls., Grand Rapids, Mich.
Knowlton & Stone Co., masons' & bldrs.' matls., Keene, N. H.
Knowlson Co., A. T., 415 E. Congress, Detroit, Mich.
Knowlton, B. E., lumber, Burnett, Wash.
Knowlton Bros., machsts. & fndrs., Camden, Me.
Knowlton Brothers, Watertown, N. Y.
Knowlton Co., M. D., 28 Industrial St., Rochester, N. Y.
Knowlton, Geo. W., Rubber Co., packing, 60 Pearl, Boston, Mass.
Knowlton, Harry B., carriages, North Chesterville, Me.
Knowlton Machine Co., Westbrook, Me.
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Krauth & Benninghofen, machsts., Hamilton, Ohio.
Kreamer & Co., 155 N. Clark, Chicago, Ill.
Kreamer, A., Inc., coal hods, tin, copper, japanned ware & urns, 307 Kent av., Brooklyn, N. Y.
Kreamer Lumber Co., 1328 Chestnut St., Philadelphia, Pa.
Krebs, A. J., Co., contrs., Walton Bldg., Atlanta, Ga.
Krebs Commercial Car Co., Clyde, Ohio.
Krebs, Emil, & Son, machinists, Elwood, Ind.
Krebs Mfg. Co., 341 E. Ohio St., Chicago.
Krebs Pigment & Chemical Co., Newport, Del.
Kreetan Co., Inc., Main & Somers Sts., North Tonawanda, N. Y.
Kregel Casket Co., 18th & Cass av., St. Louis, Mo.
Kregel Windmill Co., Nebraska City, Neb.
Krehbiel Company, 730 W. Monroe St., Chicago.
Kreidler Auto Top Co., Trenton, N. J.
Kreig Co., J. K., 39 Warren St., New York.
Kreig, M. A., & Co., sashes, doors & blinds, Nelsonville, Ohio.
Kreimer & Bro. Co., furn., Dept. H, 9th & Carr, Cincinnati, Ohio.

KREIN CHAIN COMPANY, THE, Krein Ave., Wapakoneta, O.

Pres.—L. D. Round.
Sec. & Treas.—L. D. Cull.
Manager—W. G. Holley.
Sales Mgr.—J. M. Goeke.
Cleveland, O.—Broadway & Henry St.
Denver, Colo.—1031 15th St., John S. Worthington Co.
Detroit, Mich.—323 Ford Bldg., George E. Quigley.
New York—50 Church St., E. E. Peterson.
Pittsburgh, Pa.—306 Commonwealth Bldg., Ernest S. Cox.
St. Louis, Mo.—Chemical Bldg., H. P. Webb.
Seattle, Wash.—6921 E .Marginal Way.

Kreis & Hubbard, umbrella mfrs., 320 S. Franklin, Chicago, Ill.
Kreischer Brick Mfg. Co., Kreischerville, S. I., N. Y.
Kreiter Mfg. Co., pianos, 310 W. Water, Milwaukee, Wis.
Kreitzer Buggy Co., Wapakoneta, Ohio.
Krell Piano Co., 9th & Harriet, Cincinnati, Ohio.

KREMBS & COMPANY, 667 W. Ohio St., Chicago.

Krements & Co., 49 Chestnut St., Newark, N. J. (Gold-plated Jewelry Specialties.)
Kremer & Voirol Contr. Co., Century Bldg., St. Louis, Mo.
Kremer-Cummins Machine Co., 1833-35 E. 55th St., Cleveland, O.
Krengel Manufacturing Co., 38 Vesey St., New York.
Krenz Copper & Brass Works (Inc.), Oscar, 202-4 Fremont St., San Francisco, Calif.
Krescot Mfg. Co., Inc., 67 Clifford St., Providence, R. I.
Kress & Co., bolting cloth, testing sieves, etc., 29-33 Lafayette, New York.
Kress Bros. Carriage Co., carriages, Lawrence, Mass.
Kress Co., Geo. R., 1900 Brighton Rd., Pittsburgh, Pa.
Kress, F. J., Box Co., packing, 2930 Liberty av., Pittsburgh, Pa.
Kress, Frank F., horse collars, Green Bay, Wis.
Kress, O. F., & Son, fire extinguishers, Lawrence, Mass.
Kretchmer Mfg. Co., Council Bluffs, Ia.
Kretol Co. (Inc.), 220 B St., S. E., Washington, D. C.
Kretschmer Mfg. Co., see Root, A. I., Co. of Iowa (successors).
Kretschmer Mfg. Co., plumbing & heating supplies, Dubuque, Ia.
Kretz, Joseph, common brick, Washington, Ind.
Kretzer Mfg. & Supply Co., 2135 De Kalb St., St. Louis, Mo.
Kreuzberger, Bartie, masons' & bldrs.' matls., Sacramento, Calif.
Krewson, T. C., ladders, 801 Master, Philadelphia, Pa.
Krey Packing Co., meat, 21st & Bremen Ave., St. Louis, Mo.
Krick, Tyndall & Co., Decatur, Ind.
Kriebel & Co., 822 Green St., Philadelphia, Pa.
Krieg Co., J. K. (Shoes Mchy.), 39 Warren St., New York.
Krieger Color & Chemical Co., 611 E. 9th, Los Angeles, Calif.
Kriegshaber & Son, V. H., Anstell Bldg., Atlanta, Ga.
Kriel, Chas. G., meat packers, 7 W. Henrietta, Baltimore, Md.
Krier Preserving Co., canned goods, Belgium, Wis.
Kries, Henry A., & Sons Co., heating contractors, machy. dlrs., mill supplies, tanks, etc., 8 W. Lombard, Baltimore, Md.
Kries, Michael A., elec. light fix. mfrs., 303 W. Lombard, Baltimore, Md.
Krietenstein, Geo. W., & Son, whol. & retail plate & window glass, 30 N. 4th, Terre Haute, Ind.
Krippene Hardware Co., Oshkosh, Wis.
Kritenbrink, J. H., & Son, brick, South Omaha, Neb.
Kritzer Co., The, 503 S. Jefferson St., Chicago.
Kroder, John, & Henry Reubel Co., The, 108-128 Meeker Ave., Brooklyn, N. Y.
Kroeger Bros., 880 McKim St., Baltimore, Md.
Kroeger Piano Co., Stamford, Conn.
Kroehler Bros., cornices & skylights, Plattsmouth, Neb.
Kroehler Mfg. Co., furn., Dept. H., Kankakee, Ill.
Kroehler Mfg. Co., Naperville, Ill.
Kroehler's, A., Sons Co., leather, Jennings rd., Cleveland, Ohio.
Kroening Constr. Co., Majestic Bldg., Milwaukee, Wis.
Kroepke, W. H., steam & hot water htg. contr., 383 College av., New York.
Kroeschell Bros. Co., heating contrs. & steam fitters' supplies, 440 W. Erie, Chicago, Ill.
Kroeschell Bros. Ice Machine Co., 4221 Diversey Ave., Chicago.
Krogh Pump & Machy. Co., 147 Beale, San Francisco, Calif.
Kroh, C. Z., Mfg. Co., auto tops—dashes, Toledo, Ohio.
Kroh, C. Irving, canned goods, Silver Run, Md.
Krohn-Fechheimer Co., The (Shoes), Cincinnati, O.
Kronbrodt Kornice Kompany, 1811 Troost av., Kansas City, Mo.
Kronauer, Chas., & Co., harness, mfrs., 844 Fulton, Chicago, Ill.
Kroncke, H. G., Hardware Co., Madison, Wis.
Krone, Chas., machinist, Davenport, Ia.
Krone, Kreutz, F., Co., patterns & models, 204 1st, San Francisco, Calif.
Kronenberg X-ray & Supply Co., Inc., 527 N. Howard St., Baltimore, Md.
Kroner, Ernest, architect, Worcester Bldg., Portland, Ore.
Kroner Hardware Co., Fred, La Crosse, Wis.
Krouke-Brampton Co., 3212 San Pablo av., Oakland, Calif.
Kronlund Mattress & Furniture Co., 405 E. 25th, Tacoma, Wash.
Kronman, Inc., E. (Hotel Supp.), 211 W. 19th St., New York.
Kronmiller, Geo., & Son, umbrella mfrs., 139 N. Gay, Baltimore, Md.
Kronnick Bros., contrs., 1659 O'Farrell, San Francisco, Calif.
Kronquest, August C., gas heaters, Maywood, Ill.
Kroot, Jos., scrap iron, Edinburg, Ind.
Kropp, E. C., & Co., advtg. post cards, Milwaukee, Wis.

KROPP FORGE COMPANY, 5301 Roosevelt rd., Chicago.

Krotzer & Olin, refrigerators, show cases, etc., 547 4th, San Diego, Calif.
Krouse, George, 150-54 Morgan St., Jersey City, N. J.
Krouse, W. E., & Bro., white metal castings, 115 Carleton av., Bridgeport, Conn.
Krouskop, A. H., masons' & bldrs.' matls., Richland Center, Wis.
Krout & Fite Mfg. Co., tex. machy. (tapes, braids & cords), Allegheny av. & Emerald, Philadelphia, Pa.
Kruchkow Bros. Iron Works, arch'l, rear 157H Stratford av., Bridgeport, Conn.
Kruckemeyer, Edw. H., & Strong, Chas. B., architects, 404 St. Paul, Cincinnati, Ohio.
Kruecke Bros. Mfg. Co., 515-17 Park St., Milwaukee, Wis.
Krueger & Lachmann Milling Co., wheat flour, Neenah, Wis.
Krueger, A. L., Lumber Co., 130 1st av., N. Minneapolis, Minn.
Krueger, E. F., mchst. & fdr., Glenwood City, Wis.
Krueger Machinery Co., San Antonio, Tex.
Krueger, Wm., Co., whol. hdwe., mill & fcty. supplies, Neenah, Wis.
Krug, G., & Son, archl. iron, 415 W. Saratoga, Baltimore, Md.
Krug, Wm., & Son Co., contractors, 6529 S. State, Chicago, Ill.

KRUGER & BLIND CO., 511 Master St., Philadelphia, Pa.

Kruger, Philip J., mchst. & fdr., Greenville, Ill.
Kruger, Roy, contr., Gustine, Calif.
Krumroy Constr. Co., Enright Bldg., Akron, Ohio.
Krumsiek, Hy., brick, Shackelford, Mo.
Krupp Foundry Co., Lansdale, Pa.
Kruse & Banks, ship bldrs., North Bend, Ore.
Kruse & Dewenter Co., 427 E. Washington St., Indianapolis, Ind.
Kruse & Murphy Mfg. Co., sew'g mach., 101 E. 129th, New York.
Kruse & Slattery Tool & Die Co., Camden, N. J.
Kruse Hardware Co., 518 Baymiller, Cincinnati, Ohio.
Kruse Printing Ink Co., duplicator inks, typewriter ribbon & carbon paper, 437 Pearl, New York.
Kruse Shingle Co., Marysville, Wash.
Kruse, Wm., & Co., cornices, 523 Wade, Cincinnati, Ohio.
Krusiees Bros. (Cutlery), 296 Broadway, New York.
Kubach, C. J., & Co., contrs., 2149 E. 37th, Los Angeles, Calif.
Kubias & Co., F., Cedar Rapids, Ia.

Kubias, J. C., canned goods, Redlands, Calif.
Kubik, Karl, pearl buttons, 45 Monmouth, Newark N. J.
Kucharo, W. F., & Co., contrs., Des Moines, Ia.
Kuder, Millard A., masons' & bldrs.' matls., 330 Gordon, Allentown, Pa.
Kuebler Foundries, Inc., The, Easton, Pa.
Kuebler, J. M., Co., sash, door & blind, Wausau, Wis.
Kuebler Radio Co., radio couplers & parts, 24 Boody Bldg., Toledo, Ohio.
Kuehl Clock Co., 125 N. Wabash av., Chicago, Ill.
Kuehn, Jordan Co., contrs., 725 Wilbur, South Bend, Ind.
Kuehne, L. F., Co., auto bodies, 2605 Archer av., Chicago, Ill.
Kuehnle, Jno., & Son, machinists, 2110 Colerain, Cincinnati, O.
Kuempel Company, Guttenberg, Ia.
Kuenzel Bros., brick & tile, Nevada, Ohio.
Kuenzel Mills Co., blankets, New Bremen, Ohio.
Kuert Contracting Co., 603 Occidental Bldg., Indianapolis, Ind.
Kues Bros. Iron Works, Carter av. & 175th, New York.
Kugler, Geo. W., & Sons Co., lumber, 921 New Market, Philadelphia, Pa.
Kuh & Valk Co., E. S., Produce Exchange, New York.
Kuh Bros., brooms, corn, Sioux Falls, S. D.
Kuhl & Bent Co., 23 N. Desplaines St., Chicago.
Kuhl, Chas., Artificial Stone Co., 573 Reading rd., Cincinnati, Ohio.
Kuhlke Machine Co., W. Exchange & Water, Akron, O.
Kuhlman Car Co., G. C., Adams & L. S. & M. S. Ry., Cleveland, O.

KUHLMAN ELECTRIC CO., 26th St. at Jefferson, Bay City, Mich.
Pres.—J. C. Hewitt.
V. P.—J. T. Kuhlman.
Sec. & Treas.—J. A. Johnson.
Sales Mgr.—F. E. Johnson.

Kuhlman Engrg. Co., light switches & panel board cabinets, Toledo, Ohio.
Kuhlmann & Meyer, flour mills, California, Mo.
Kuhlmann Hardware Co., 1320 Main, Cincinnati, Ohio.
Kuhls, H. B., Fred, 6413 3rd Ave., Brooklyn, N. Y.
Kuhmarker Mfg. Co., paper cups, 149 W. 24th, New York.
Kuhn & Jacob Machine & Tool Co., Prospect Ave., Trenton, N. J.
Kuhn, E. C., umbrella mfr., 8 W. 4th, Cincinnati, Ohio.
Kuhn, L. L., & Co., contrs., Harrisburg, Pa.
Kuhn's Paint & Varnish Wks., Houston, Tex.
Kuhne-Libby Co., 51 Front St., New York.
Kuhner Packing Co., meat, Muncie, Ind.
Kuhnla, August, cornices, skylights, 10 Lorimer, Brooklyn, N. Y.
Kuhnle & Co., F. C., 4315-19 Evans Ave., Chicago.
Kuhns Bros., Eaton Ave. & Germantown, Dayton, O.
Kulage Brick Works, Hobart, Ind.
Kulchar, S., & Co., bank fixtures, 8th av. & E. 10th, Oakland, Calif.
Kullmann, Salz & Co., leather, Benicia, Calif.
Kulm Mill Co., flour, Kulm, N. D.
Kulp, Chas. P., & Co., plbrs.' supplies, 202 S. State, Chicago, Ill.
Kulp Lbr. Co., Shamokin, Pa.
Kulzer, John G., lumber, Valley, Wash.
Kumin, Samuel, wool waste, 253 Harding, Worcester, Mass.
Kundert Bros. cornices, Monroe, Wis.
Kunditz, Theo., Co., auto, wood bodies, school furniture, etc., Winslow & Elm, Cleveland, Ohio.
Kuner Co., Max, 804 1st St., Seattle, Wash.
Kuner Max Co., 804 1st av., Seattle, Wash.
Kunkel & Broome Specialty Co., 425 E. Washington, Los Angeles, Calif.
Kunkel Carriage Works, Galion, Ohio.
Kunkel Mfg. Co., honey extractors, 781 S. San Pedro, Los Angeles, Calif.
Kunkel Stamping & Mfg. Co., 427 E. Washington, Los Angeles, Calif.
Kunkle Valve Company, 825 Barr St. Ft. Wayne, Ind.
Kuntz-Hilton Lumber Co., The Peter, Engineers Bldg., Cleveland, O
Kunst, John, children's vehicles, 43 Murray, New York.
Kuntz-Johnson Co., lumber mfrs., Dayton, Ohio.
Kuntz, Peter, Co., lumber mfrs., Dayton, Ohio.
Kuntzendorf, C., & Co., trunk mfrs., 653 S. Wells, Chicago, Ill.
Kunz Bros. & Messinger, machsts., Phoenix, Ariz.
Kunz Co., J. B., Huntington, Pa.
Kunz Oil Co., 13 Wilder St., Minneapolis, Minn.
Kupfer, Emil F., cut glassware, 132 Greenpoint av., Brooklyn, N. Y.
Kupfer, Theo., machsts. & fdrs., Madison, Wis.
Kupferle Bros. Mfg. Co., 800 N. 2nd St., St. Louis, Mo. (Brass Fdry., Steam and Gas Pipe Works.)
Kupferle Fdry. Co., J. C., 2822 N. First St., St. Louis, Mo.
Kupka & Follimel, pearl buttons, West New York, N. J.
Kurdle, Thos. J., meat packers, 3811 Eastern av., Baltimore, Md.
Kurfees, C. F., flour, Rockford, N. C.
Kurfees Paint Co., Louisville, Ky.
Kurfiss, Selby H., archt., Scarritt Bldg., Kansas City, Mo.
Kurrie Packing Co., meat packers, 23 Taylor, Baltimore, Md.
Kurstin, M. A., Co., overalls, 317 1st av., Minneapolis, Minn.
Kurtz, A. E., canned goods, Forest Hill, Md.
Kurtz Action Co., see Thayer Action Co. (successors).
Kurtz Brass Bed Co. (Ltd.), Cory, Pa.
Kurtz Bros., interior woodwork & finish, Bethlehem, Pa.
Kurtz Coal, Lumber & Supply Co., Punxsutawney, Pa.
Kurtz Co., L. H., Des Moines, Ia.
Kurtz Furn. Co., Dept. H, Fullerton, Catasauqua, Pa.
Kurtz Furn & Mfg. Co., 2181H E. 55th, Cleveland, Ohio.
Kurtz, W. W., canned goods, Moclips, Wash.
Kurtzner Radiator Co., 7512 Carnegie av., Cleveland, Ohio.
Kury-Kasch Co., The, 1415 S. Broadway, Dayton, O.
Kurz & Root, switches, Appleton, Wis.
Kurz-Downey Co. of Ark., lbr., Helena, Ark.
Kurz-Downey Co., 1338 N. Branch St., Chicago.
Kusel, D. & F., Co., cornices & skylights & whol. hdwe., Watertown, Wis.
Kusel Telephone & Elect. Supply Co., 2212 Olive, St. Louis, Mo.
Kush, Gustave (Mech. Rubber Gds.), 8 Park Row, New York.
Kushakow, Jacob, archl. & ornamental iron, 74 3rd av., New York.
Kushequa Brick Co., Kushequa, Pa.
Kushequa Keramic Co., promenade roofing tile, Kushequa, Pa.
Kusske, H. P., canned goods, Mayer, Minn.
Kust Wood Novelty Co., furniture, 2909 S. Wilkeson, Tacoma, Wash.
Kuster, J. A., floor scrapers, Plymouth, Wis.
Kutner-Goldstein Co., steam fitters' supplies, Fresno, Calif.
Kutsche, A. W., Co., contrs., 333 State, Detroit, Mich.
Kutsche, C. H., whol. hdwe., Grand Rapids, Mich.
Kuttawa Milling Co., flour, Kuttawa, Ky.
Kuttroff, Pickhardt & Co., Inc., 128 Duane St., New York.

KUTZTOWN FOUNDRY & MACHINE CO., 1421 Chestnut St., Philadelphia, Pa.
Works:
Kutztown, Pa.

Kutztown Lime & Crushed Stone Co., Kutztown, Pa.
Kvenild, B., archt., Brandeis Theatre, Omaha, Neb.
Kwickturn Tractor Co., Jacksonville, Fla.

KWIK-MIX CONCRETE MIXER CO., THE, 1200 Cleveland Ave., Milwaukee, Wis.

Kyle & Co., Inc., George W., 33 Grand St., New York.
Kyle & Co., Inc., steel structural work, etc., 333 G, Fresno, Cal.
Kyle & Purdy, motor boat, launch & yacht bldrs., City Island, N. Y.
Kyle Lumber Co., Franklin, La.
Kyle Oil & Gin Co., meal, Kyle, Tex.
Kyle, R. W., Co., steam heating contrs., 1518 Main, Wheeling, W. Va.
Kyle, W., & Sons Co., canned goods, Florence, Ore.
Kynoch, Chas., & Co., mill & fcty. supplies, St. Ignace, Mich.
Kyoto Mfg. & Trading Co., harness rings, lanterns, dice, etc., 31 E. 17th, New York.
Kyson, Chas. H., architects, 6034 Hollywood blvd., Los Angeles, Calif.
L. A. Paving Co., Inc., 2900 Sta. Fe, Los Angeles, Calif.
L. A. W. Nov. Co., garment hangers, Springfield, Mass.
L. B. Brass Co., ball cocks & roof flanges, Peabody, Mass.
L. G. Council Fertilizer Wks., Americus, Ga.
L. F. Manufacturing Co., 426-8 Hoboken Ave., Jersey City, N. J.
L. S. & M. S. Ry. Shops, machsts. & fndrs., Elkhart, Ind.
L. P. T. Specialty Co., 846 Builders Exchange, Minneapolis, Minn.
L. S. P. Calking Mach. Co., Wyalusing, Pa.
L W F Engineering Co., College Point, N. Y.
L. & L. Motor Supply Co., Sioux Falls, S. D.
L. & M. Rubber Co., gloves, Carrollton, Ohio.
L. & P. Knitting Co., sweaters, etc., Hawley, Pa.
L. & R. CULVERT CO., THE, 503 Great Northern Bldg., Chicago.
L. & W. Spring Co., machy. springs, 210 Centre, New York.
L. & Z. Suit Case Co., traveling bags, 644 5th av., Pittsburgh, Pa.
La Belle Box Co., pckg., Muskegon, Mich.
La Belle Iron Works, Steubenville, Ohio.
La Bolteaux, C. L., Co., paper boards, etc., 1714 First Nat'l Bank Bldg., Cincinnati, Ohio.
Laboratories of Charles L. W. Pettee, 113 High St. Hartford, Conn.
Laboratory Materials Co., 640 E. 71st St., Chicago.
Labor Glove Mfg. Co., 317 N. High, Baltimore, Md.
La Bour Co., The, Chicago Heights, Ill.
Labovich, B., cornices & skylights, 1250 Tremont, Boston, Mass.
La Boyteaux, C. E., machy dlrs., 2033 E. 38th, Los Angeles, Calif.
Lacene Mfg. Co., machs. & fdrs., 90 W. Central, Manchester, N. H.
Lacer, E. B., 1224 E. 8th, Los Angeles, Calif.
Lacey & Lacey, patent attorneys, 639 F. N. W., Washington, D. C.
Lacey, Geo. E., machinist, Salinas, Calif.
Lacey Lumber Co., Carriere, Miss.
Lacey Milling Co., flour, Hanford, Calif.
Lacey, T. J., & Son, architects, Kilmer Bldg., Binghamton, N. Y.
Lachmann, A. H. (Paper boxes), 811 Reese St., Chicago.
Lachmund Lumber & Coal Co., Sauk City, Wis.
Lachowsky, A. L., mach. & fndr., Morrillton, Ark.
Lack Mfg. Co., 1132 S. 3rd St., Paducah, Ky.
Lack Singletree Co., Paducah, Ky.
Lackawanna Boiler & Grate Co., Scranton, Pa.
Lackawanna Chemical Co., wood alcohol, Straight, Pa.
Lackawanna Coal Coke Co., bituminous, Lackawanna, N. Y.
Lackawanna Const. Co., 437 Linder, Scranton, Pa.
Lackawanna Leather Co., Hackettstown, N. J.
Lackawanna Lbr. Co., Traders Bnk. Bldg., Scranton, Pa.
Lackawanna Mfg. Co., machsts., Ballston Spa, N. Y.
Lackawanna Steel Co., Lackawanna, N. Y. (See Bethlehem Steel Co.)
La Clair & McNulty, granite, Barre, Vt.
La Claire & Eggleston, carriages, Big Rapids, Mich.
Lackland, L. C., & Sons, canned goods, Lithia, Va.
Lackner, John, Co., paper cups, 308H 7th, Long Island City, N. Y.
Lacko Specialty Co., Inc., polish & sweeping compounds, 824 Montgomery, San Francisco, Calif.
Laclede Brass Wks., 307 Cedar, St. Louis, Mo.
Laclede-Christy Clay Products Co., Manchester and Sulphur Aves., St. Louis, Mo.
Laclede Gas Light Co., toluol, St. Louis, Mo.
Laclede Iron Works, 1547 N. 9th St., St. Louis, Mo.
Laclede Steel Company, Arcade Bldg., St. Louis, Mo.
Lacon Clay & Coal Co., Lacon, Ill.
Laconia Car Co., 60 Congress, Boston, Mass.
Laconia Car Co., Laconia, N. H.
Laconia Needle Co., Laconia, N. H.
Lacoste Hdwe. Co., Ltd., Lafayette, La.
Lacour, Crammer & Co., masons' & bldrs.' matls., Long Branch, N. J.
La Cour Iron Works, Borden & Van Pelt, Long Island City, N. Y.
Lacquer-All Co., 1262 Military, Detroit, Mich.
La Crescent Canning Co., La Crescent, Minn.
Lacroix, W. & E. W., shoe counters, Lynn, Miss.
La Crosse Boiler Co., La Crosse, Wis.
La Crosse Bridge & Steel Co., La Crosse, Wis.
La Crosse Dredging Co., 405 Plymouth Bldg., Minneapolis, Minn.
La Crosse Hammock Works, La Crosse, Wis.
La Crosse Knitting Co., knitted gloves, La Crosse, Wis.
La Crosse Lumber Co., Louisiana, Mo.
La Crosse Monument Co., La Crosse, Wis.
La Crosse Motor Truck Co., La Crosse, Wis.
La Crosse Plow Co., La Crosse, Wis.
La Crosse Plumbing Supply Co., La Crosse, Wis.
La Crosse Rubber Mills Co., La Crosse, Wis.
La Crosse Scrap Iron & Metal Co., La Crosse, Wis.
La Crosse Scrap Iron & Metal Co., Marietta, Ohio.
La Crosse Steel Roofing & Corrugating Co., 300-304 S Third St., La Crosse, Wis.
La Crosse Stone Co., La Crosse, Wis.
La Crosse Tractor Co., La Crosse, Wis.
La Crosse Well Drill Works, well drilling machy., La Crosse, Wis.
La Crosse Woolen Mills, wool batting, La Crosse, Wis.
Lactein Food Co., buttermilk for poultry, 521 10th, Modesto, Calif.
Lacy, Carlos Chipman, architect, Bellevue Theatre Bldg., Niagara Falls, N. Y.
Lacy Co., James J., 1401 Block St., Baltimore, Md.
Lacy Mfg Co., 834 N. Main St., Los Angeles, Calif.
Ladd, C. M., lbr., Worcester, Vt.
Ladd Co., George T., 1st National Bank Bldg., Pittsburgh, Pa.
Ladd, Geo. W., Co., elastic hosiery, 34 Columbus, Boston, Mass.
Ladd, John W., Co., creamery machy., 2016H W. La Fayette, Detroit, Mich.
Ladd Lime & Stone Co., Cartersville, Ga.
Ladd, W. C., telephone bells, lantern holders, etc., Bristol, Conn.
Ladel Mfg. Co., rolling mill warehouse, trucks, etc., New Philadelphia, Ohio.
Ladew Co., Edw. R., 29 Murray St., New York.
Ladew, J. H., Co., leather, Plank road, Newark, N. J.
Ladew, Jones Co., leather bends, etc., 105 South Boston, Mass.
Ladewig Co., The, Waukesha, Wis.
Ladish Drop Forge Co., Cudahy, Wis.
Ladner, C. F., Hardware Co., cornices & skylights, St. Cloud, Minn.
Ladoga Canning Co., Ladoga, Ind.
Ladysmith Brick & Tile Co., Ladysmith, Wis.
Laechle, W. C., & Co., granite producers, 30 N. La Salle, Chicago, Ill.
Lafarge Lumber Co., Lafarge, Wis.
La Favorite Rubber Co., packing mfrs., Hawthorne, N. J.
Lafayette Box Board & Paper Co., Lafayette, Ind.
Lafayette Brush & Mfg. Co., Lafayette, Pa.
Lafayette College, engng. school & coll., Easton, Pa.
La Fayette Corn Flour Mills, grits, Lafayette, Ind.
Lafayette Cotton Mills, Lafayette, Ga.
Lafayette Cotton Oil Mills, Lafayette, Ala.
Lafayette Elec. & Mfg. Co., lightning arresters, telephones, etc., Lafayette, Ind.
La Fayette Engineering Co., La Fayette, Ind.
Lafayette Fence Works, ornamental bronze & iron gates, Lafayette, Ind.
Lafayette Fertilizer Co., Lafayette, Ga.
Lafayette Lbr. Co., interior hardwood work, Lafayette, Ind.
Lafayette Mill & Lumber Co., Lafayette Ave and P. B. & W. R. R., Baltimore, Md.
Lafayette Mills Co., turkish towels, Howard & Lehigh av., Philadelphia, Pa.
Lafayette Mirror Co., furniture tops, 173 Grand, New York.
Lafayette Motors Co., autos, Mars Hill, Indianapolis, Ind.
Lafayette Pharmacal Co., Lafayette, Ind.
Lafayette Roller Mills, flour, Lafayette, Ga.
Lafayette Stamping & Enameling Co., West Lafayette, O
Lafayette Window Glass Co., Clarksburg, W. Va.
Laffargue Co., pianos, E. 134th & Cypress av., New York.
Lafferty, Sam'l J., & Sons, cornices, Springfield, Ohio.
Laflan Paper Co., roof sheathing & bldg. paper, York, Pa.
La Follette Coal & Iron Co., blast furnaces & iron ores, La Follets, Tenn.
Lafond, T., & Son, sewer pipes, Kankakee, Ill.
Lafontaine Handle Co., Decatur, Ind.
La Fontain-Woolson Co., mill & factory supplies, Springfield, Vt.
La France, Ward, Truck Co., Inc., auto bldrs., Elmira, N. Y.
Laganke, Chas. F., machsts., 116 St. Claire av. N. E., Cleveland, Ohio.
Lage, Inc., B. H., 484 Greenwich St., New York.
Lagemuist, Gust, 614 Bradford Bldg., North Minneapolis, Minn.
Lageschulte & Hager, masons' & bldrs.' matls., Barrington, Ill.
Lagonda Mfg. Co., Springfield, O.
Lagoon Co., turpentine, Apalachicola, Fla.
La Grande Milling Co., flour, La Grande, Ore.
La Grange Fdry. Co., Quincy, Ill.
La Grange Mach. Repair Co., La Grange, Ind.
La Grange Mills, flour, Red Wing, Minn.
La Grange Pearl Button Co., La Grange, Mo.
La Grange Specialty Co., La Grange, Ind.
Lahan Stoves & Mfg. Co., Quincy, Ill.
La Haye Mfg. Co., burial cases, metal spinning & sheet metal work, 1516 Folsom, San Francisco, Calif.
Laher Auto Spring Co., 15th & Couch, Portland, Ore.
Laher Auto Spring Co., 714 E. Pike St., Seattle, Wash.
Lahue, M. M., & Co., machsts., Lowell, Mass.
Laib Co., 1401-18th St., Louisville, Ky.
Laidlaw Co., auto trimmings, 16 W. 60th, New York.
Laidlaw Lumber Co., R., 99 Miama, Buffalo, N. Y.
Laidlaw Wire Co., W. A., 1217 W. 8th St., Kansas City, Mo.

LAIDLAW WORKS, 115 Broadway, New York.

Laidlow Co., (Auto Top Matls.), 16 W. 60th St., New York.
Lain, Ira D., contr., Bloomington, Ill.
Laing, Harrar & Chamberlin, heel plates, 42 N. 3d, Phila., Pa.
Laing Mach. Auto. Repair Co., Plainfield, N. J.
Lainhart & Potter, masons' & bldrs.' matls. & lumber, West Palm Beach, Fla.
Laitner & Sons, A., 238-240 Brush St., Detroit, Mich.
Laird & Sons, marine ry. bldrs., Ashtabula, Ohio.
Laird & Wilson Mfg. Co., excelsior, Crandon, Wis.
Lake & Harris, masons' & bldrs.' matls., Harvard, Ill.
Lake & Risley Co., masons' & bldrs.' matls., Pleasantville, N. J.
Lake Champlain Pulp & Paper Co., Plattsburg, N. Y.
Lake Charles Carriage & Implement Co., Lake Charles, La.
Lake Charles Planing Mill Co., Lake Charles, La.
Lake Charles Rice Milling Co., Lake Charles, La.
Lake Chelan Box Factory, Chelan, Wash.
Lake City Stone Co., Dunkirk, N. Y.
Lake County Canning Co., Ukiah, Calif.
Lake Creek Shingle Co., Morten, Wash.
Lake Erie Boiler Works, 419 Gates av., Buffalo, N. Y.
Lake Erie Bolt & Nut Co., E. 65rd St., Cleveland, O.
Lake Erie Dredging Co., Morgan Bldg., Buffalo, N. Y.
Lake Erie Drydock & Mill Co., Sandusky, O.
Lake Erie Forge & Machine Co., Cleveland, Ohio.
Lake Erie Foundry Co., Inc., 118 Chicago St., Buffalo, N. Y.
Lake Erie Limestone Co., Youngstown, O.
Lake Erie Lumber & Supply Co., 5459 Hamilton av., Cleveland, O.
Lake Erie Mfg. Co., Inc., 198 Chicago St., Buffalo, N. Y.
Lake Erie Ore Co., 1025 Rockefeller Bldg., Cleveland, O.
Lake Erie Provision Co., meat packers, Clark av. & C. C. C. & St. L. Ry., Cleveland, Ohio.
Lake, Frank G., lumber, Atlanta, Ga.
Lake, Lily, Canning Co., Mountain Grove, Mo.
Lake Mills Canning Co., Lake Mills, Ia.
Lake Odessa Milk Co., canned, Lake Odessa, Mich.
Lake Placid Lumber & Supply Co., masons' & bldrs.' matls., Lake Placid, N. Y.
Lake-Railway Supply Co., Marquette Bldg., Chicago.

Lake Riley Mill Co., lumber, Hazel, Wash.
Lake, Robert, Co., masons' & bldrs.' matls., Jackson, Mich.
Lake Sammamish Shingle Co., Inglewood, Wash.
Lake Shingle Co., Bellingham, Wash.
Lake Shore Canning Co., Sheboygan, Wis.
Lake Shore Construction & Supply Co., Dunkirk, N. Y.
Lake Shore Elec. Ry. Co., machsts. & fndrs., Fremont, Ohio.
Lake Shore Engine Works, Marquette, Mich.
Lake Shore Lbr. Co., Washburn, Wis.
Lake Shore Printing Co., Sandusky, O.
Lake Shore Sand & Gravel Co., 602 Century Bldg., Cleveland, O.
Lake Shore Shale Brick Co., see Burton-Townsend Co. (successor).
Lake Shore Stone Co., 600 Canal St., Milwaukee, Wis.

LAKESIDE BRIDGE & STEEL CO., 401 Villard Ave., North Milwaukee, Wis.
Pres.—V. W. Coddington.
V. P.—F. J. Hanmer, C. G. Margwarth.
Secy.—H. M. Risseeuw.
Treas.—S. G. Coddington.

Lakeside Construction Co., 7 Nat'l State Bank Bldg., Boulder, Colo.
Lakeside Forge Co., Erie, Pa.
Lakeside Fdry., Muskegon, Mich.
Lakeside Malleable Castings Co., Racine, Wis.
Lakeside Paper Co., Menasha, Wis.
Lakeside Paper Co., Neenah, Wis.
Lake Superior Knitting Wks., sweaters, cardigans, etc., Appleton, Wis.
Lake Superior Loader Co., Providence Bldg., Duluth, Minn.
Lake Superior Lumber Co., Ellsworth & McPherson, Kans.
Lake Superior Piling Co., 961 W. 22nd St., Chicago.
Lake Torpedo Boat Co., machsts., Seaview, Bridgeport, Conn.
Lake Union Brick & Fireproofing Co., 1834 Westlake av. N., Seattle, Wash.
Lake Union Fdry. Co., Inc., gray iron castings, 1703 Westlake av. N., Seattle, Wash.
Lake View Brick Co., 2758 Irving Pk. Blvd., Chicago.
Lakeview Lumber & Box Co., Lakeview, Ore.
Lakeview Milling Co., flour, Lakeview, Mich.
Lakewood Engineering Co., The, Berea Road Cleveland, O.
Lakewood Lumber Co., 10217 Berea Rd., Cleveland, O.
Lakey, A. L., Co., paint mfrs., Kalamazoo, Mich.
Lakey, C. T., roll coverers, Georgiaville, R. I.
Lakey Foundry & Machine Co., Muskegon, Mich.
Lakin, Bruce, machsts., Sidney, N. Y.
Lalance & Gosjean Mfg. Co., 299 Broadway, New York.
La Liberte Bros., contractors, Holyoke, Mass.
Lallie Surveying Instrument & Supply Co., 719-18th St., Denver, Colo.
Lally Column Co., Cambridge, Mass.
Lally Column Co., 4001H Wentworth av., Chicago, Ill.
Lally Commercial Body Co., auto hoists, Everett, Mass.
Lally Fire Appliance Co., 109 Shipley, Wilmington, Del.
Lally, Jas. H., masons' & bldrs.' matls., Olyphant, Pa.
Lally Light Corp., 1742 Rivard, Detroit, Mich.
Lally, M. & Co., coffee roasters, 29 W. 3d, Cincinnati, Ohio.

LALOR FUEL OIL SYSTEM COMPANY OF MD., INC., 527-533 Colvin St., Baltimore, Md.
Pres.—Wm. B. Lalor.
V. P.—C. Bradley Hays.
Treas.—James D. Lalor.

Lam Building Co., 1001 Wood, Philadelphia, Pa.
Laman, B. B., East Chicago, Ind.
La Manna, Azema & Farnan, 397 Washington St., New York.
Lamar Ginning & Cottonseed Exchange, fertilizer mfrs., Lamar, S. C.
Lamar Lumber Co., Clyde, Miss.
Lamb & Ritchie Co., Cambridge, Mass.
Lamb Bros. & Greene, electric portables, Nappanee, Ind.
Lamb Co., F. Jos., 1938 Franklin St., Detroit, Mich.
Lamb, F. W., Co., htg. contrs., 24 E. Kinzie, Chicago, Ill.
Lamb, Finley & Co., 256 Church St., New York.
Lamb-Fish Lumber Co., Charleston, Miss.
Lamb, Frank H., Timber Co., lbr., Hoquiam, Wash.
Lamb, Geo. L., piano benches, Nappanee, Ind.
Lamb, J. & R., furn., stained glass, etc.—decorative architects, 25 6th av., New York.
Lamb, J. K., machy. dlrs., 246 Chestnut, Philadelphia, Pa.
Lamb Knit Goods Co., gloves & mittens, Colon, Mich.
Lamb Knitting Machine Co., planer stops, knitting machy., etc., Chicopee Falls, Mass.
Lamb Machine Co., logging machy., castings, etc., Hoquiam, Wash.
Lamb, Maskell T., glass stainers, 233 Berrgen, Brooklyn, N. Y.
Lamb's, Daniel, Son, whol. hdwe., Saugerties, N. Y.
Lamberg & Co., A. (Machinery), 243 Centre St., New York.
Lamberson, C. A., & Co., flour mills, Colon, Mich.
Lamberson Japanning Co., 1162-6 W. 22nd St., Chicago.
Lambert & Todd Machine Co., Camden, N. J.
Lambert Bros. & Wirt, contractors, Delaware, Ohio.
Lambert Co., H. T., 1017-1018 First Nat'l Bank Bldg., Huntington, W. Va.
Lambert-Grisham Hardware Co., Henderson, Ky.
Lambert, H., Co., masons' & bldrs.' matls., Beaverville, Ill.
Lambert Hoisting Engine Co., 117 Poinier St., Newark, N. J.
Lambert Lumber Co., Leavenworth, Kans.
Lambert Machine Co., Marshall, Mich.
Lamberton, W. W., carriages, Brainerdsville, N. Y.
Lambertville Iron & Steel Co., Lambertville, N. J.
Lambertville Pottery Co., Lambertville, N. J.
Lambertville Rubber Co., Lambertville, N. J.
Lambertville Stone Quarry Co., Colnl. Tr. Bldg., Phila., Pa.
Lambeth Rope Corp., New Bedford, Mass.
Lambie, Jas. B. Co., 714 & 21st, N. W., Wash., D. C.
Lambie, C. S., & Co., contractors, Tramway Bldg., 1731 Stout, Denver, Colo.
Lambie, Jas. B., Co., machsts., 1415 N. Y. av., N. W., Wash., D. C.
Lamers Bros., lumber, Cottage Grove, Ore.
Lamey & Co., masons' & bldrs.' matls., Barrington, Ill.
Laminated Shim Co., Inc., 14th St. and Governor Pl., Long Island City, N. Y.
Lamm, Edw. C., sash, door & blind mfrs., Danville, Ill.
Lammers, A. W. (whol. lbr.), Lumber Exchange Bldg., Chicago.
Lammers Bros., lbr., Cottage Grove, Ore.
Lammert & Mann, 221 N. Wood St., Chicago.
La Moine Lbr. & Trading Co., La Moine, Calif.
Lammond & Robertson Co., cocoa mats, Paterson, N. J.
Lamneck, W. E., Co., furnace fittings, 416 Dublin av., Columbus, Ohio.
Lamont & Sugden Co., hdwe. & steel merchs., 445-453 2d, San Francisco, Calif.
Lamont, Alex, marine engines, 7322 Jefferson, Detroit, Mich.
Lamont Chem. Co., Kane, Pa.
Lamont, Matthew, Sons Co., lbr. mfrs., Bay City, Mich.
La Monte & Son, Geo., 61 Broadway, New York.
Lamoreaux Bros. Co., contrs., Omaha, Neb.
Lamos, Chas. A., Co., sash, door & blind mfrs., Peekskill, N. Y.
Lamp & Miller Mfg. Co., 382 4th St., Milwaukee, Wis.
Lamparter Sons, Geo., Lancaster, Pa.
Lampel, F. L., chamois importers, 315 Locust, St. Louis, Mo.
Lamper, J. B., & W. A., masons' & bldrs.' matls., Lynn, Mass.
Lampkin Furniture Co., E. 101 Desmet, Spokane, Wash.
Lampman, J. T., & Co., buckwheat flour, Claverack, N. Y.
Lamprey Co., Westfield, Mass.
Lampson Lbr. Co., 167 Water, New Haven, Conn.
Lamson Asphalt & Chemical Co., 45 John St., New York.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass.
Lamson & Session Co., The, 2188 Scranton Rd., Cleveland, O.
Lamson Co., The, 100 Boylston St., Boston, Mass.
Lamson Cutter Head Co., 30 N. Jefferson St., Chicago.
Lamson Co., Inc., carriers, conveyors, light elevators, etc., Syracuse, N. Y.
Lamson Co., telegraph instruments, 9 E. 37th, New York.
Lamson, E. F., machsts. & fndrs., Abington, Mass.
Lamson-Gray Construction Co., Fergus Falls, Minn.
Lamson, J. H., & Sons, masons' & bldrs.' matls., Randolph, Vt.
Lamy & Son, A., 535 Livingston St., Elizabeth, N. Y.
Lana Construction Co., Council Bluffs, Ia.
Lanahan, H. G., & Co., masons' mtls., 316 N. Division, Spokane, Wash.
Lanark Canning Co., Lanark, Ill.
Lancaster & Allwine, patent attorneys, 408 Oway Bldg., Washington, D. C.
Lancaster, A., & Co., blankets, woolen, Chester, N. J.
Lancaster Bone Fertilizer Co., Lancaster, Pa.
Lancaster, C. G., architect, Marshall, Tex.
Lancaster Cement Paving Co., Lancaster, Pa.
Lancaster Chemical Co., fertilizer mfrs., Lancaster, Pa.
Lancaster Clamp Window Shade Pull Co., hardware mfrs., Lancaster, Pa.
Lancaster Cork Works, Lancaster, Pa.
Lancaster Cotton Mills, sheetings, Lancaster, S. C.
Lancaster Flour Mills, Lancaster, Pa.
Lancaster Foundry Co., Lancaster, Pa.
Lancaster Glass Co., The, Lancaster, O.
Lancaster, Harry, & Co., flooring, hard wood, Lebanon, Ky.

LANCASTER IRON WORKS, INC., THE, 570 S. Prince St., Lancaster, Pa.
New York—501 Fifth Ave., Arthur Caverno.
Philadelphia, Pa.—Wesley Bldg., F. J. Ryan.

LANCASTER IRON WORKS, INC., Mines Furnace Dept., Lancaster, Pa.

Lancaster-Johnson Lbr. Co., Wetumpka, Ala.
Lancaster Leather Co., Lancaster, Ohio.
Lancaster Lens Co., Lancaster, O.
Lancaster Lime & Supply Co., masons' & bldrs.' matls., Lancaster, Pa.
Lancaster Lumber & Mfg. Co., Lancaster, Ky.
Lancaster Mach. & Structural Wks., see Lancaster Structural & Foundry Wks. (successor).
Lancaster Machine & Knife Works, Lancaster, N. Y.
Lancaster Mills (Cotton Cloth), Clinton, Mass.
Lancaster Paint & Glass Co., Lancaster, Pa.
Lancaster Roller Mills, flour, Kilmarnock, Va.
Lancaster, Roy P., architect, Havre, Mont.
Lancaster Steel Products Corp., Lancaster, Pa.
Lancaster Structural & Fdry. Wks., Lancaster, Pa.
Lance, Geo. A., machsts. & bldrs., Watertown, N. Y.
Land Construction Co., St. Joseph, Mo.
Land, Dilks Co., kitchen cabinets, Richmond, Ind.
Land Improvement & Supply Co., sand & gravel dlrs., Diamond Bank Bldg., Pittsburgh, Pa.
Land Milling Co., flour, Neodesha, Kans.
Land, Mose H., flour mills, Marshall, Mo.
Landa, A. & Sons Co., advtg. nov. & spec., 1706 Foster av., Chicago, Ill.
Landan Bros., contractors, 311, 2d av., Pittsburgh, Pa.
Landan, Inc., John A., (Die & Tool Hospital), 246 Canal St., New York.
Landau Cabinet Co., cedar chests & kitchen cabinets, 1545 Tower Grove, St. Louis, Mo.
Landax Lumber Co., Landax, Ore.
Lande, S., & Co., corn brooms, 160 W. Kinzie, Chicago, Ill.
Landeck Lbr. Co., 227 Wells, Milwaukee, Wis., & Tampa, Fla.
Lander, Isaac, & Son, marble prod., Binghamton, N. Y.
Landers & Barker Lumber Co., Mountain Grove, Mo.
Landers, Bert A., Inc., window display fixtures, 823 S. Los Angeles, Los Angeles, Calif.

LANDERS BROTHERS CO., THE, Toledo, O.

Landers, Frary & Clark, Commercial & Center Sts., New Britain, Conn.
Landers, Frary & Clark (United Vacuum Appliance Div.), vacuum cleaners, Connersville, Ind.
Landers Lumber & Cement Co., Springfield, Mo.
Landers, Morrison & Christenson Co., masons' & bldrs.' matls., Builders Exchange, Minneapolis, Minn.
Landers, W. E. Co., fndrs., Syracuse, N. Y.
Landes & Co., mill & fcty. supplies, Salt Lake, Utah.
Landgraff, Fred, drain tile, Albion, Ind.
Landis, E. M., machinist, Toledo, Ohio.
Landis Engineering & Mfg. Co., Waynesboro, Pa.
Landis Machine Co., 701 Gano, St. Louis, Mo.
Landis Machine Co., Waynesboro, Pa.
Landis Milling Co., flour, Landis, N. C.
Landis, S. H., & Bro., handles, carriage hubs, etc., Quakerstown, Pa.
Landis Tool Co., Waynesboro, Pa.
Landis, Wm. G., masons' & bldrs.' matls., Norristown, Pa.
Landon, Walter C., & Co., masons' & bldrs.' matls., & wholesale hdwe., Rutland, Vt.
Landreth Machinery Co., dealers, Joplin, Mo.
Landreth, W. H., machsts. & fndrs., Ritzville, Wash.
Landsberg, A. S., 27 Greene St., New York.
Landshaft & Sons, Wm., 2338 Milkaukee Ave., Chicago.

LANDSHEFT ADVERTISING CO., 15 W. Swan St., Buffalo, N. Y.

Landsman, Geo. M., 105 W. 40th, New York.
Lane & Brothers, W. T., Poughkeepsie, N. Y.
Lane & Maloney Contr. Co., Newton Center, Mass.
Lane & Sutliff, machsts., Eureka, Calif.
Lane, B. R., machsts., St. Louis, Mich.
Lane Brothers Co., Altavista, Va.
Lane Brothers Co., Poughkeepsie, N. Y.
Lane Bros., contractors, Melrose, Mass.
Lane Bros., stone, 302 W. 9th, Los Angeles, Calif.
Lane, C. L., pails & buckets, wood, East Swanzey, N. H.
Lane, Chas. R., mill & facty. supplies, masons' & bldrs.' matls., Haverstraw, N. Y.
Lane, Chas. W., carriages, Butte, Mont.
Lane Co., Inc., cedar chests, Altavista, Va.
Lane Co., The, H. M. Owen Bldg., Detroit, Mich. (Engineers.)
Lane Construction Corp., Meriden, Conn.
Lane, D. T., & Sons, machsts. & fndrs., Franklin, Pa.
Lane, Davenport & Peterson, architects, Charlevoix Bldg., Detroit, Mich.
Lane Equipment Co., The T. J., Springfield, O.
Lane, F. M., machsts. & fndrs., 91 Illinois, Memphis, Tenn.
Lane, G. W. & C. A., Exeter, N. H.
Lane, Geo. W., & Co., contractors, Lewiston, Me.
Lane, Ira G., Co., htg. contrs., pipe hangers, 1077 3d av., New York.
Lane, J. H. & Co., filter cloths, bags, cotton duck, etc., 250 W. 57th, New York.
Lane, J. L. & Co., lumber mfrs., 11 S. La Salle, Chicago, Ill.
Lane, Jno. S., & Son, stone products, Meriden, Conn.
Lane Lifeboat Co., C. M., 246-256 Huron St., Brooklyn, N. Y.
Lane Lumber Corp., Arthur E., Grand Central Terminal, New York.
Lane Mfg. Co., clothing fasteners, buttons, etc., 50 N. Elm, Waterbury, Conn.
Lane Mfg. Co., Montpelier, Vt.
Lane Mill & Machinery Co., W. Roberts Bldg., Los Angeles, Calif.
Lane-Pyke-Werhoff Co., htg. contrs., Lafayette, Ind.
Lane Quarry Co., stone producers, Meriden, Conn.
Lane, T. W., carriages, Amesbury, Mass.
Lane, Thos., Co., ornamental iron work, Farmers' Bank Bldg., Pittsburgh, Pa.
Lane Unique Tool Co., Will B., 422 S. Dearborn St., Chicago.
Lane, W. A., Barre, Vt.
Laner, True & Co., sashes, doors & blinds, Byesville, O.
Lanesboro Canning Co., Lanesboro, Minn.
Lanese Co., contractors, Guardian Bldg., Cleveland, O.
Lanett Cotton Mills, West Point, Ga.
Lang & Bro. Mfg. & Mercantile Co., masons' & bldrs.' matls., Farmington, Mo.
Lang & Cochran, machinists, Wasca, Minn.
Lang & Scharmann, machsts. & fndrs., Marshfield, Wis.
Lang Body Co., automobile bodies, W. 106th, Cleveland, Ohio.
Lang Broom Co., Penna & Bidwell Sts., Pittsburgh, Pa.
Lang, C. E., Co., cornices, Mishawaka, Ind.
Lang Canning & Preserving Co., Beatrice, Nebr.
Lang Chemical Co., boiler compound, 307 Grand River av., Detroit, Mich.
Lang Co., E. M., 341 Fore St., Portland, Me.
Lang, E. D., stone producers, 1922 4th, N. W., Canton, Ohio.
Lang Engineering Co., J. S., 5 Park Square, Boston, Mass.
Lang Est., R. F., 8 Bridge St., New York.
Lang, F. S., Mfg. Co., stove mfrs., Seattle, Wash.
Lang, J. A., & Sons, mach'y, 280 Dover, Boston, Mass.
Lang, J. B., Engine & Garage Co., machsts. & fndrs., Ithaca, N. Y.
Lang, J. M., & Co., acid phosphate, Savannah, Ga.
Lang, J. T., & Son, contrs., Commerce Bldg., Kansas City, Mo.
Lang Mfg. Works, Olean, N. Y.
Lang Paper Co., John, 24th and Vine Sts., Philadelphia, Pa.
Lang, R. B. Mfg. Co., machsts., Racine, Wis.
Lang-Smith, lbr., Lovelady, Texas.
Lang, Wm., & Sons Co., iron, Patterson nr. Bank, Cincinnati, Ohio.
Langan, P. T., Lumber Co., Cairo, Ill.
Langan, Thos., Lumber Co., Perth Amboy, N. J.
Langdell Lumber Co., Manchester, N. H.
Langdon, Horace, machinist, Monterey, Calif.
Langdon, L. L. Co., 114 W. 35th, Los Angeles, Calif.
Lange & Crist Box & Lumber Co., Inc., Clarksburg, W. Va.
Lange, August K., pipe hooks, clamps & hangers, 606 E. 15th, New York.
Lange Bros., contrs., Champaign, Ill.
Lange Canning Co., Eau Claire, Wis.
Lange, H. G., machst., 162 N. May, Chicago, Ill.
Lange Machine Works, cutter heads & stove rejoining machy., Aurora, Ill.
Lange Mfg. Co., egg beaters & metal stampings, 399H Silver, Elgin, Ill.
Lange Motor Truck Co., 5th & Hamilton Ave., Pittsburgh, Pa.
Lange Soap Co., oils, San Antonio, Tex.
Langeland Mfg. Co., Muskegon, Mich.
Langelier Mfg. Co., Arlington St., Providence, R. I.
Langenau Mfg. Co., hdwe. mfrs., 8403 Franklin av., N. W., Cleveland, Ohio.
Langenberg, Wm. E., common brick, Stevens Point, Wis.
Langenberger Const. Co., 302 6th, Milwaukee, Wis.
Langenfeld, Jno., machst., Marytown, Wis.
Langford, Geo. W., Co., contractors, Louisville, Ky.
Langguth Olson Co., elect. irons, 120 Liberty, New York.
Langhaar Ball Bearing Co., The, Aurora, Ind.
Langham, Wm., masons' & bldrs.' matls., Keysport, Ill.
Langlade Lumber Co., Antigo, Wis.
Langland Mfg. Co., pckg. box, sash, door & blind mfrs., Muskegon, Mich.
Langley & Scampini, granite, Concord, N. H.
Langley, Geo. H., Lbr. Co., Rochester, N. H.
Langlois Co., mill and factory supplies, Racine, Wis.
Langlois, J. P., & Son, masons' & bldrs.' matls., 311 Derby, Salem, Mass.
Langrall, J., & Bro., canned goods, 2105 Aliceanna, Baltimore, Md.
Langsenkamp, F. H., 130 Georgia St., Indianapolis, Ind.
Langsenkamp-Wheeler Brass Works, Sanders & Shelby, Indianapolis, Ind.
Langslow, Fowler Co., school furniture, Rochester, N. Y.
Langstadt-Meyer Company, Appleton, Wis.
Langstaff-Orm Mfg. Co., Paducah, Ky.
Langston, Sam'l M., Co., textile machy. supplies, etc., Camden, N. J.
Langstroth, T. W., horse feed bags, blankets, halters, surcingles, etc., 77 Warren, N. Y.
Langton Co., 30 Church St., New York.
Langton Lime & Cement Co., Salt Lake City, Utah.
Langton Lumber Co., Pekin, Ill.
Langtry Mach. & Tool Co., 700 Commonwealth av., Detroit, Mich.
Langville Woolen Mills, blankets, flannels, woolen, Langville, Pa.
Lanigan Bros., contractors, Bronx River & 165th, New York.
Laning, Geo. D., canned goods, Bridgeton, N. J.
Laning, W., & Son Co., canned goods, Bridgeton, N. J.
Lankford, Robt., dry docks & marine rys., Bayonne, N. J.

Lanley, Geo., & Son Corp., naval architects, 26 Ericsson, Boston, Mass.
Lanman, E. B., Co., iron washers, hot pressed nuts, East Chicago, Ind.
Lann & Carter Hardware Co., Aberdeen, Miss.
Lannan Co., E. B., McCook Ave., E. Chicago, Ind.
Lanert Mfg. Co., carriages, 208 W. 6th, Evansville, Ind.
Lannon, John, stone producers, Plainfield, N. J.
Lanoix, Alphonse, brick, Gonic, N. H.
Lanpher Carriage & Auto Co., Carthage, Mo.
Lanquist & Ilsley Co., 1100 N. Clark St., Chicago.
Lansdale Foundry Co., Lansdale, Pa.
Lansden Co., Inc., Danbury, Conn.
Lansdowne Constr. Co., Lansdowne, Pa.
Lansdowne, J. T., canned goods, Stone Mountain, Va.
Lansing Bros., Inc., Scranton, Pa.
Lansing Co., lbr., Parkin, Ark.

LANSING CO., THE, 313 N. Cedar St., Lansing, Mich.

Branch Offices:
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MASS.—Boston—H. H. Ames, Mgr., 78 Cambridge St., Chaston 1370.
MINN.—Minneapolis—H. H. Rudy, Mgr., 308 N. Third Ave., Geneva 6711.
MO.—Kansas City—Chas. A. Stevenson, Mgr., 1413 West 11th St., Main 4638.
N. Y.—New York—E. L. Card, Mgr., 28 Vandam St., Canal 3670.
PA.—Philadelphia—F. E. Anderson, Mgr., Cor. N. American & Willow Sts., Market 1822.

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IND.—Fort Wayne—National Mill Supply Co.
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Indianapolis—Vonnegut Hardware Co.
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ILL.—Cairo—Woodward Hardware Co.
Peoria—Clark-Smith Hardware Co.
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Rock Island—Rock Island Hardware Co.
IA.—Burlington—Drake Hardware Co.
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LA.—New Orleans—Woodward-Wight Co.
MICH.—Bay City—Jennison Hardware Co.
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Buhl Sons Co., Ft. of Adair, Edgewood 4000.
Chas. Strelinger Co., 147 E. Larned, Cadillac 7080.
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Michigan Hardware Co.
Jackson—Smith-Winchester Co.
Kalamazoo—Edwards & Chamberlin Hardware Co.
Muskegon—Lake Shore Machinery Co.
Saginaw—Morley Bros.
Sault Ste. Marie—Soo Hardware Co.
MO.—Hannibal—McNally Pump & Plumbg. Sup. Co.
St. Louis—L. R. Payton Supply Co., Railway Exchange Bldg., Olive 1344.
MONT.—Helena—Lewis Mill Supply Co.
N. Y.—Amsterdam—John E. Larrabee Co.
Buffalo—Walbridge & Co., 392 Main, Seneca 5170.
Rochester—Haverstick & Co.
Syracuse—Burhans & Black.
Syracuse Supply Co.
Utica—Chas. Miller & Sons Co.
Roberts Hardware Co.
O.—Akron—Hardware & Supply Co.
Canton—Canton Supply Co.
Cincinnati—J. R. Wood Supply Co.
Cleveland—W. Bingham Co.
Toledo—Bostwick-Braun Co.
Youngstown—Stambaugh Thompson Co.
PA.—Pittsburgh—Frick & Lindsay Co., Sandusky & Robinson, Cedar 5700.
Pittsburgh Gage & Supply Co., 30th & Liberty, Grant 6600.
Standard Supply & Equipment Co., 1207 Liberty Ave., Smithfield 0800.
TENN.—Memphis—J. E. Dilworth & Co.
Orgill Bros. & Co.
Pidgeon-Thomas Iron Co.
Reed & Duecker.
Riechman-Crosby Co.
W. VA.—Wheeling—Greer & Lang.
WIS.—Green Bay—Morley-Murphy Hardware Co.
Milwaukee—Wm. Frankfurth Hardware Co.

Lansing Elec. Engng. Co., 123H E. Ottawa, Lansing, Mich.
Lansing Lbr. Co., sash, door & blind mfrs., 28 Branch, Providence, R. I.
Lansing Silo Co., tanks, Lansing, Mich.
Lansing Stamping & Tool Co., Lansing, Mich.
Lanski & Son Scrap Iron Co., I., 3437 S. Lawndale Ave., Chicago.
Lanston Monotype Machine Co., 24th & Locust Sts., Philadelphia, Pa.
Lantz, I. M., sashes, doors & blinds, McArthur, Ohio.
Lantz, W. R., Mfg. & Supply Co., carriages, truck bodies, etc., Muskogee, Okla.
Lanum, S. O., Planing Mill Co., sash, door & blind mfrs., Bloomington, Ind.
Lanyon, D. N., brick, Hillsdale, Ind.
Lanyon Zinc & Acid Co., Robert, Hillsboro, Ill. (Now Eagle-Picher Lead Co.)
Lanz, A., & Sons, machsts. & fdrs., Monroe, Wis.
Lanz Bolt Co., M., 2907 Carson St., Pittsburgh, Pa.
Lanz, Louis, soap, Oakland, Calif.
Lanz, M., Brick & Tile Co., 34th & Jane, Pittsburgh, Pa.
Lanzit Corrugated Box Co., 2039 Morgan St., Chicago.
Lanzon Furniture Co., elec. portables & silk shades, Grand Rapids, Mich.
Lapat, L., scrap iron, Paterson, N. J.
Lapeer Trailer Corp., Lapeer, Mich.
Lapel Bottle Co., Lapel, Ind.
Lapel Canning Co., Lapel, Ind.
Laphan, John G., Engineering Co., refrigeration engrs., 30 Church St., New York.
La Pierre & Co., H. M. (Dudle), 1356 W. 21st St., Chicago.
Lapierre, A. A., & Co., granite producers, Concord, N. H.
La Pierre Mfg. Co., silver novelties, Newark, N. J.
La Pierre-Sawyer Handle Co., Jackson, Mo.
La Plant-Choate Mfg. Co., Cedar Rapids, Ia.
Lapoint & Sullivan, bldg. contrs., Burlington, Vt.

LAPOINTE BROACHING MACHINE & TOOL CO., Hudson, Mass.

Lapointe Co., J. N. (Broaching Machinery), New London, Conn.
La Point Foundry Co., grey iron & semi steel castings, Schleisingerville, Wis.

LAPORTE & AUSTIN ADV. AGENCY, 261 Broadway, New York.

La Porte Braiding Mills Co., laces, La Porte, Ind.
La Porte Fdy. & Furnace Co., La Porte, Ind.
La Porte Harness Co., La Porte, Ind.
La Porte Mat & Mfg. Co., La Porte, Ind.
La Porte Sash & Door Co., La Porte, Ind.
Lapp Insulator Co., Inc., Le Roy, N. Y.
Lappan Mfg. Co., The Jas. 20th and Pike Sts., Pittsburgh, Pa.
Lapworth Webbing Co., Brockton, Mass.
Lapworth, Wm., & Sons elastic webbing, Milford, Mass.
Laragy, Patrick, 114 Grove St., Hartford, Conn.
Larco Wrench & Mfg. Corp., 1800 Woodlawn Ave., Chicago.
Larendon, M. W., & Co., pitch, turpentine & rosin mfrs., 82 Wall, New York.
Large, Dail, Mfg. Co., panel board cabinets & switchboard, 606 Cherry, Philadelphia, Pa.
Large, Wm. H., machst., Pottstown, Pa.
Larlew, J. R., mattresses, Elmira, N. Y.
Larimer, E. K., Hardware Co., Cedar Rapids, Ia.
Larkin & Co., machsts., sand pumps, etc., Butler, Pa.

LARKIN, J. K., & CO., whol. hdwe., 253 Broadway, New York.

Larkin-Carey Co., The, 166 Brewery, New Haven, Conn.
Larkin Co., 680 Senecca St., Buffalo, N. Y.
Larkin, J. J., oil & gas well packers, Bartlesville, Okla.
Larkin Mfg. Co., 5th & Stone, Dayton, O.
Larkin Reed Co., tex. machy., supplies, etc., Danielson, Conn.
Larkin Specialty Mfg. Co., dies, 268 1st, San Francisco, Calif.
Larkin Supply Co., M. D., 116 N. Main St., Dayton, O.
Larkins, Wm. A., contr., Title Insurance Bldg., Los Angeles, Calif.
Larmon, L. M., flour mills, Alvaton, Ky.
Larned, Carter Co., overalls, 1210 8th, Detroit, Mich.
Larney, Smith Radio Mfg. Co., V. T. sockets, 149 Lafayette, New York.
La Roche, Jos. P., auto tops & slip covers, 5918 S. Ashland av., Chicago, Ill.
La Roe & Co., L., Leonard, Tex.
Larrabee, Albert S. (Est. of), Lakewood, N. J.
Larrabee, C., Jr., stone producers, Willimantic, Conn.
Larrabee-Deyo Motor Truck Co., Inc., Binghamton, N. Y.
Larrabee, John E., Co., whol. hdwe., Amsterdam, N. Y.
Larrowe Buckwheat Flour Corp., Cohocton, N. Y.
Larrowe Milling Co., buckwheat flour, Cohocton, N. Y.
Larsen & Son, Anton, Brook Ave. & 134th St., New York.
Larsen, C. F. & Sons, contrs, Orion, Ill.
Larsen, C. H., & Co., architects, Terminal Bldg., Lincoln, Neb.
Larsen Constr. Co., Oshkosh, Wis.
Larsen Contr. Co., Stone Harbor, N. J.
Larsen-Danielson Const. Co., contrs., La Porte, Ind.
Larsen, Fred, contrs., Kenosha, Wis.
Larsen, H., Rawlins, Wyo.
Larson Hardware Co., Sioux Falls, S. D.
Larsen, Holger E., machsts., Janesville, Wis.
Larsen, I. M., & Sons, tents, 806 A, Tacoma, Wash.
Larsen Lumber Co., Jeffris, Wis.
Larsen, Peter A., contr., Geneseo, Ill.
Larsen, Wm., Canning Co., Green Bay, Wis.
Larson & Carlson, granite, Concord, N. H.
Larson Bros., ventilator mfrs., Johnsonburg, Pa.
Larson, Chas. E., die forgings, case hardening & heat treating, 111 N. Desplaines, Chicago, Ill.
Larson, Peter, brick, Barronett, Wis.
Larson, Thos., brick, Shawano, Wis.
La Rue Tile Co., La Rue, Ohio.
La Salle Cement Co., see Alpha Portland Cement Co. (successors).
La Salle County Carbon Coal Co., La Salle, Ill.
La Salle Engraving Co., 124 W. Polk St., Chicago.
La Salle Machine & Tool Co., La Salle, Ill.

LA SALLE MACHINE WORKS, INC., 3013-15-17 S. La Salle St., Chicago.

Distributors:
CAL.—Los Angeles—Waterhouse & Lester Co., 345 N. Los Angeles St.
Oakland—Waterhouse & Lester Co., Beach & Halleck Sts.
San Francisco—Waterhouse & Lester Co., 540 Howard St., Garfield 4040.
IND.—Indianapolis—Vonnegut Machy. Co., 19-29 W. South St.
MD.—Baltimore—Aumen Machy. Co., 107 E. Lombard St.
MASS.—Boston—Richards & Co., Inc., 200 Causeway St., Richmond 3700.
MICH.—Detroit—W. J. Burton Co., 5670 Federal Ave., Lafayette 5355.
MINN.—Minneapolis—Janney-Sample-Hill & Co.
N. Y.—New York—Henry Prentiss & Co., Inc., 149 Broadway, Cortland 7215.
O.—Cincinnati—E. A. Kinsey Co., 331 Fourth St., W.
Cleveland—Strong, Carlisle & Hammond Co., 1349 W. Third St.
WIS.—Milwaukee—Badger-Packard Machy. Co., 133 W. Water St.

La Salle Paper Co., 402 E. Madison, South Bend, Ind.
La Salle Portland Cement Co., La Salle, Ill.
La Salle Pressed Brick Co., La Salle, Ill.
La Salle Steel Co., The, 2305 S. Halsted St., Chicago.
La Salle Tool Co., La Salle, Ill.
Lasar Mfg. Co., 16th & O'Fallon, St. Louis, Mo.
Las Camas Mill & Flume Co., lbr., Camas, Wash.
Lasche, Alfred, Co., mattresses, 960 N. 2d, Philadelphia, Pa.
Lash Lee Studios, scenic artists, 1476 Broadway, New York.
Lasher, Estate of Geo. F., 147 N. 10th St., Philadelphia, Pa.
Lasker & Bernstein, 23 Beekman St., New York.
Lasker & Minck, castings, steel structural work, etc., 53 Park pl., New York.

LASKER IRON WORKS, 1889 W. 32nd St., Chicago.

Pres.—George Lasker.
Secy.—Charles Lasker.
Supt.—Fred Lasker.
Engr.—Frank Lasker.
Erection Supt.—Seymour Lasker.

Lassen Lumber & Box Co., Monadnock bldg., San Francisco, Calif.
Lassiter, A. L., & Bro., architects, Paducah, Ky.
Lassiter, C. J., corn & flour mills, Raleigh, N. C.
Lassiter, Robert G., & Co., contractors, Oxford, N. C.
Las-Stik Patch Mfg. Co., Hamilton, Ohio.
Lastik Products Corp., (Roofing, Cement & Paints) 3260 Oliver Bldg., Pittsburgh, Pa.
Lasure Friction Clutch Pulley Co., Watertown, Wis.
Latane & Watson, canned goods, Munford, Va.
Latex Iron Works, Eldorado, Ark.
Latenser, Jno., & Sons, architects, Peters Trust bldg., Omaha, Neb.
Latham & Co., H. B., 550 Pearl St., New York.
Latham & Co., spray pumps, Sandusky, Ohio.
Latham & Crane, contractors, Willimantic, Conn.
Latham & Walters, contrs., State Life bldg., Indianapolis, Ind.
Latham Automatic Registering Co., 608 S. Dearborn St., Chicago.
Latham, E. H., & Co., contrs., 6 E. Broad, Columbus, Ohio.
Latham Machy. Co., 1153 Fulton, Chicago, Ill.
Lathan Auto Supply Co., lubricators, 1456 Pine, San Francisco, Calif.
Lathey Steel Type Co., see Lovejoy Tool Works (successor).
Lathrop & Shea Co., contractors, 185 Church, New Haven, Conn.
Lathrop, C. P., & Co., masons' & bldrs.' matls., 1600 E. Marshall, Richmond, Va.
Lathrop, H. B., & Co., crude drugs, stearate zinc, etc., 116 Beekman, New York.
Lathrop-Hoge Constr. Co., 503 Neave bldg., Cincinnati, Ohio.
Lathrop, J. W., Co., machsts. & fndrs., Mystic, Conn.
Lathrop Lumber Co., Birmingham, Ala.
Lathrop, Noah, & Son, lbr., Bristol, Vt.
Lathrop, Shea & Henwood Co., contractors, Brooks bldg., Scranton, Pa.
Lathwood Foundry Co., 30th & Wayne, Pittsburgh, Pa.
Latimer & Co., R. L., 24 N. Front St., Philadelphia, Pa.
Latimer & Lawrence Packing Co., canned goods, Biloxi, Miss.
Latrobe Brick Co., Latrobe, Pa.
Latrobe-Connellsville C. & C. Co., Greensburg, Pa.
Latrobe Die & Casting Co., Latrobe, Pa.
Latrobe Electric Steel Co., Latrobe, Pa.

LATROBE TOOL COMPANY, Latrobe, Pa.....Page 668

Latshaw Belting & Supply Co., mill & factory supplies, Omaha, Neb.
Latta-Martin Pump Co., Hickory, N. C.
Latterner, Arthur, plumbers' & steam fitters' supplies, wholesale, 602 Pennsylvania av. N. W., Washington, D. C.
Lattig-Shimer Mfg. Co., school furn., Bethlehem, Pa.
Lattimer Fndry. & Mach. Co., Lattimer Mines, Pa.
Lattimer-Stevens Co., swivels & meter seals, 74 E. Gay, Columbus, Ohio.
Lattimer Supply & Machy. Co., mill & factory supplies, Lattimer, Pa.
Lattimer, W. H., & Sons, rattan furniture, Orwell, N. Y.
Lattner, P. M., Mfg. Co., steam generators, garage heaters, etc., Cedar Rapids, Ia.
Lattner Mfg. Co., The P. M., Cedar Rapids, Ia.
Latz, Hy., contrs., Joliet, Ill.
Laub Bros., Louisville, Ky.
Laubenheimer Co., brewers' machy., 17 N. La Salle, Chicago, Ill.
Laubenstein Mfg. Co., Ashland, Pa.
Laubenthal Lbr. Co., Sunflower, Ala.
Lauber, Alb., cornices & skylights, 433 W. 42d, New York.
Lauchin-Loehr Lubricating Piston Co., Green Bay, Wis.
Lauber, J. C., & Co., cornices, 506 E. La Salle, South Bend, Ind.
Lauby, C. W., cornices & skylights, Vincennes, Ind.
Laucks, I. F., Inc., consulting chemists & chem. laboratories, 99 Marion, Seattle, Wash.
Laud, Mrs. E. A., lumber, New Madrid, Mo.
Lauden & Tees, see Tees, J. M., Inc. (successor).
Laue Mfg. Co., boiler flue blowers, Chicago Heights, Ill.
Lauer Bros., contrs., ft. of Chestnut, St. Paul, Minn.
Lauer, J. J., cornices, Ashland, Pa.
Lauer, J., & Sons, contractors, 10 Portland, Pittsburgh, Pa.
Lauer Machine Co., John, 620 St. Antoine, Detroit, Mich.
Lauer, N., masons' & bldrs.' matls., Ottoville, Ohio.
Laufe, J. M., & Son, Bellingham, Wash.
Laufenberg, Harry, contr., 813½ S. 20th, Omaha, Neb.
Laughlin & Barney, mill & factory supplies, Union Arcade, Pittsburgh, Pa.
Laughlin & Co., Alex, 1st Natl. Bldg., Pittsburgh, Pa.
Laughlin China Co., Homer, Newell, W. Va.

LAUGHLIN CO., THOS., 135 Fore St., Portland, Me.

Laughlin Fountain Pen Co., 213 Majestic Bldg., Detroit, Mich.
Laughlin, Homer, China Co., East Liverpool, Ohio.
Laughlin Homer, Engineers Corp., 2652 Long Beach av., Los Angeles, Calif.
Laughlin, John, mill & facty., supplies, Cohoes, N. Y.
Laughlin Records Co., 955 61st, Oakland, Calif.
Laughton Pad Co., Westfield, Mass.
Laun, J. B., lumber, Kiel, Wis.
Laun Mach. Co., mixers, 541 W. 43d, Chicago, Ill.
Laundryette Mfg. Co., The, 1190 E. 152nd St., Cleveland, O.
Laura, John, & Co., plastic slate roofers, 322 E. 24th, New York.
Laurel Canning Co., Laurel, Del.
Laurel Co., rubber goods, Garfield, N. J.
Laurel Cotton Mills, Laurel, Miss.
Laurel Cut Glass Co., Jermyn, Pa.
Laurel Mach. & Fdry. Co., Laurel, Miss.
Laurel Mfg. Co., cornices, 708 N. Bodine, Philadelphia Pa.
Laurel Mills, sheetings & tickings, Laurel, Miss.
Laurel Motor Car Co., Richmond, Ind.
Laurel Motor Corp., auto bldrs., Anderson, Ind.
Laurel Oil & Fertz. Co., Laurel, Miss.
Laurel River Lumber Co., Jenningston, W. Va.
Laurel Soap Mfg. Co., Inc., Hope & Palmer, Philadelphia, Pa.
Laurence Belting Co., 111 Chambers St., New York.
Laurents & Hartshorn Packing Co., meat packers, Dwenger, Ft. Wayne, Ind.
Laurie, Jas., brick, Scranton, Pa.
Laurinburg Oil Co., Laurinburg, N. C.
Lauritzen Construction Co., Waterloo, Ia.
Lauritzen, John, Co., contractor, Fergus Falls, Minn.
Lausberg & Sons, Inc., C. A., Paterson, N. J.
Lauson, C. E., Brass Fdy., Briston, Conn.
Lauson, John, Mfg. Co., machsts. & fndrs.—traction engines, New Holstein, Wis.
Lauson-Lawton Co., DePere, Wis.
Lauter Co., pianos, 593 Broad, Newark, N. J.
Lauter Co., H., Washington & Harding Sts., Indianapolis, Ind.
Lautz Bros. & Co., Ellicott Square, Buffalo, N. Y.
Lautz Co., onyx, etc., Buffalo, N. Y.
Lautz Missouri Marble Co., Carthage, Mo.
Lava Crucible Co. of Pittsburgh, Wabash Bldg., Pittsburgh, Pa.
Lavanburg Co., Fred L., 100 William St., New York.
Lavelle Foundry Co., Anderson, Ind.
Lavelle Rubber Co., 413-421 N. Franklin St., Chicago.
Lavey, James B., potter, Milan, Ohio.
La Vietes, Geo. E., Co., windshield cleaners, 491 Whalley, New Haven, Conn.
Lavine Gear Co., The, 90-99 Keefe Ave., Milwaukee Wis.

Lavino Co., E. J., Bullitt Bldg., Philadelphia, Pa.
Lavo Co., soap, 48 7th, Milwaukee, Wis.
Lavole, P. C., Co., Inc., contrs., Garrison la., Baltimore, Md.
Law & Burwell, granite producers, Union & Ogden, Philadelphia, Pa.
Law & Co., chemists, Atlanta, Ga.
Law Co., Robt. O., 633 Plymouth Ct., Chicago.
Law, Ernest, & Co., pig iron & coke dlrs., Harrison bldg., Philadelphia, Pa.
Law, F. A., Mach. Co., Main, Newington Center, Hartford, Conn.
Law, J. Douglas, Co., hdwe.—wholesale, mill & facty. supplies, 203 Worthington, Springfield, Mass.
Lawder, Arthur A., & Sons, carriages, 6927 Perry, Chicago, Ill.
Lawler, Allen J., canned goods, Southwest Harbor, Me.
Lawler Bros., contractors—dock bldrs., 16 City sq. Chan., Boston, Mass.
Lawler Iron Wks., Inc., 44 Gull St., Buffalo, N. Y.
Lawler Regulator Co., boiler couplings, water feeders, etc., apparatus, 435 N. Railroad av., Mt. Vernon, New York.
Lawler Water, Feed & Damper Reg. Co., 435 North Railroad Ave., Mt. Vernon, N. Y.
Lawless Paper Co., Rochester, N. Y.
Lawley & Son Corp., Geo., S. Neponset St., Boston, Mass.
Lawn, Jno. A., washboard mfrs., Lewiston, Pa.
Lawrence & Co., W. W. (Paints and Colors), W. Carson St., Pittsburgh, Pa.
Lawrence & Coe Constr. Co., 372 Trumbull, Hartford, Conn.
Lawrence & Hill, machsts., Watertown, N. Y.
Lawrence, A. C., Leather Co., 210 South, Boston, Mass.
Lawrence Airplane Model & Supply Co., toys., 567 W. Van Buren, Chicago, Ill.
Lawrence Belting Co., 111 Chambers, New York.
Lawrence, Bostwick Mfg. Co. (Ltd.), tinware mfrs., Phelps, N. Y.
Lawrence Bros., masons' & bldrs.' matls., Yonkers, N. Y.
Lawrence Bros., Sterling, Ill.
Lawrence Canning Co., Rockland, Me.
Lawrence Co., Geo. E., 44 High St., Boston, Mass.
Lawrence Construction Co., Augusta, Ga.
Lawrence Contrg. Co., 2339 Morris av., New York.
Lawrence, C. S., whol. hdwe., 21 Warren, New York.
Lawrence Duck Co., Lawrence, Mass.
Lawrence Electric Co., The, F. D., 219 W 4th Ave., Cincinnati, O.
Lawrence Felting Co., Millville, Mass.
Lawrence Fdry. Co., Grove City, Pa.
Lawrence, Geo., Co., harness, saddles, etc., 80 1st, Portland, Ore.
Lawrence Granite Co., Lawrence, Mass.
Lawrence, Harry A., Co., lbr., 470 Main, Fitchburg, Mass.
Lawrence Iron Works, Lawrence, Kans.
Lawrence, L., & Co., brass fndrs., 292 Halsey, Newark, N. J.
Lawrence Limestone Co., New Castle, Pa.
Lawrence Lumber Co., Lawrence, Mass.
Lawrence-McFadden Co., The 1400-1402 Frankfort Ave., Philadelphia, Pa.

LAWRENCE MACHINE CO., 42 Market, S. Lawrence, Mass.
New York—30 Church.

Lawrence Mfg. Co., Lawrence, Mass.
Lawrence, P. M., & Co., porch columns, Augusta, Me.
Lawrence Paint Co., plate glass, Binghamton, N. Y.
Lawrence Paper Co., 34 Green, New York.
Lawrence Paper Mfg. Co., Lawrence, Kans.
Lawrence Portland Cement Co., Northampton, Pa.
Lawrence Portland Cement Co., Siegfried, Pa.
Lawrence Pump & Engine Co., Lawrence, Mass.
Lawrence Rubber Co., mill & factory supplies, Lawrence, Mass.
Lawrence Sand Co., New Castle, Pa.
Lawrence Shot & Lead Co., pipes, Omaha, Neb.
Lawrence Steel Construction Co., structl. wk., 3324 Smallman, Pittsburgh, Pa.
Lawrenceburg Lumber Co., Lawrenceburg, Ind.
Lawrenceburg Milling Co., flour, Lawrenceburg, Tenn.
Lawrenceburg Roller Mills Co., flour & feed, Lawrenceburg, Ind.
Lawrenceville Bronze Co., Bessemer Bldg., Pittsburgh, Pa.
Lawrenceville Fertilizing Co., Lawrenceville, Ga.
Lawrenceville Mill & Ice Corp., flour, Lawrenceville, Va.
Lawrie, Harry, architect, Paxton blk., Omaha, Neb.
Lawry, E. H., canned goods, Lawry, Me.
Lawsam Electric Co., crystal detectors, 124 5th av., New York.
Lawson & Co., Inc., boring & drilling heads, 115 Broadway, New York.
Lawson & MacMurray (Lumber), 16th, 17th, Clinton & Grand Sts., Hoboken, N. J.
Lawson & Nelson Sash & Door Co., 160 Western av., Minneapolis, Minn.
Lawson Aircraft Co., aeroplanes & supplies, Green Bay, Wis.
Lawson Airplane Co., The, South Milwaukee, Wis.
Lawson, C. E., machsts., brass & composition fndrs., Bristol, Conn.
Lawson, C. K., Hardware Co., Hastings, Neb.
Lawson Co., F. H., Evans and Whately Sts., Cincinnati, O.
Lawson Co., Victor R., 35 Hartford St., Boston, Mass.
Lawson, F. A., railroad equipt., 525 Market, San Francisco, Calif.
Lawson, H. J., cornices & skylights, 28 Auburn, Manchester, N. H.
Lawson Hardware Co., Newburgh, N. Y.
Lawson, Jacob, Bag Co., burlap, 264 Water, New York.
Lawson Mfg. Co., Jno., New Holstein, Wis.
Lawson Mfg. Co., 228 W. Superior St., Chicago.
Lawson Mfg. Co. (Gas Burners and Water Heaters), Lexington & Thomas Sts., Pittsburgh, Pa.
Lawson, O. P., heaters, stoves, Homestead, Pa.
Lawson Piano Co., 372 E. 149th, New York.
Lawson, T. D., masons' & bldrs.' matls., Tullahoma, Tenn.
Lawsonham Coal Co., St. Mary's, Pa.
Lawton & Bushman, machsts. & fndrs., Burlington, Wis.
Lawton, Chas. A., Co., machsts. & fndrs., De Pere, Wis.
Lawton, Lewis, & Sons, contractors, Trenton, N. J.
Lawton Spinning Co., cotton thread, Woonsocket, R. I.
Lawton-Stephens Co., Inc., 427 Marcy Ave., Brooklyn, N. Y.
Lawton Tractor Co., St. Mary's, Ohio.
Lawton, Wm., machst. & fndr., Kingston, N. Y.
Lawton, W. M., mill & factory supplies, Utica, N. Y.
Lay Company, The Joseph, Ridgeville, Ind.
Laycock Lbr. Co., Ellicott sq., Buffalo, N. Y.
Laycock, Son & Co., T. B., 1011 Fayette st., Indianapolis, Ind.
Laycock, W., Co., machsts. & fndrs., Libertyville, Ill.
Layman, A. C., Mach. Co., 13th & Pine, Wilmington, Del.
Layman Bros. Co., canned goods, Daleville, Va.
Layman, C. A., canned goods, Troutville, Va.
Layman, J. W., canned goods, Troutville, Va.
Layman, Wm. F., canned goods, Roanoke, V.
Layne & Bowler Corp., pumps & well screens, 900 Santa Fe av., Los Angeles, Calif.
Layne Ohio Co., contrs., McLaren & B. & O. R. R., Wyoming, Cincinnati, Ohio.
Lays Bros., contractors, Brockton, Mass.
Layton Co., meat packers, Muskegon av., Milwaukee, Wis.
Layton Elastic Glue Co., 703 Fulton, Chicago, Ill.
Layton Fire Clay Co., brick, McKeesport, Pa.
Layton Milling & Elevator Co., flour, Layton, Utah.
Lazansky, Emil, wholesale plate & window glass, 324 Myrtle av., Brooklyn, N. Y.
Lazarides Mfg. Co., arc lamps, 76 Warren, New York.
Lazarus & Sons, Lewis, (Nickel Mtls.), 61 Broadway, New York.
Lazarus, J., & Co., umbrella mfrs., 74 Franklin, New York.
Lazarus, M. H., Co., whol. hdwe., Charleston, S. C.
Lazarus Mfg. Co., hand vacuum cleaners, 750 Prospect av., Cleveland, Ohio.
Lazenby, F. A., & Co., cotton machy., winders, etc., 414 Key Highway, Baltimore, Md.
Lazere & Kaplan Iron Wks., archl. & ornamental, 822 E. 141st, New York.
Lazier Gas Engine Co., 190 Main St., Buffalo, N. Y.
Lazzari & Barton Co. (Monuments), 343 E. 233rd St., New York.
Lea & Co., J. Tatnall, 21 S. 12th St., Philadelphia, Pa.
Lea, David M., & Co., packing box mfrs., 1923 E. Maine, Richmond, Va.
Lea Lumber Co., box mfrs., Richmond, Va.
Lea, W. C., masons' matls., 653 S. Clarence, Los Angeles, Calif.
Leabarjan Mfg. Co., music roll perforating machy., Hamilton, Ohio.
Leach & Co., L. D., 5 N. Wabash Ave., Chicago.
Leach & Gardner Co., Attleboro, Mass.
Leach & Greene, surgical instruments, 100 Boylston, Boston, Mass.
Leach Biltwell Motor Car Co., 4800 Santa Fe av., Los Angeles, Calif.
Leach Bros. Iron Works, sash weights, 2926 1st av. S., Seattle, Wash.
Leach Bros., machsts. & fndrs., 614 Hood, Portland, Ore.
Leach Co., The, Oshkosh, Wis.
Leach, Frank, Hdwe. Co., Oshkosh, Wis.
Leach, Hy., steam & hot water htg. contr., 45 Herkimer, N. Y.
Leach Lumber & Tie Co., Poplar Bluff, Mo.
Leach Mfg. Co., J. M., Kokomo, Ind.
Leach Windmill & Tank Co., Joliet, Ill.
Leacock Sporting Goods Co., 921 Locust, St. Louis, Mo.
Lead Lined Iron Pipe Co., fittings & valves, Wakefield, Mass.
Lead Products Co., 3215 Papin, St. Louis, Mo.
Leadbetter, G. E., & Son, Inc., contrs., Leominster, Mass.
Leader Brass Fdry. & Mfg. Co., Cleveland, Ohio.
Leader Buggy Co., Marysville, Ohio.
Leader Button Co., 133 W. 25th, New York.
Leader Iron Works, Decatur, Ill.
Leader Machine Co., grain cleaning & grading machy., 2841 N. Francisco av., Chicago, Ill.
Leader Plow Co., Staunton, Va.
Leader Sheet Metal Works, caskets & burial cases, 1310 S. San Pedro, Los Angeles, Calif.
Leader Tractor Mfg. Co., Des Moines, Ia.
Leader-Trahern Co., pumps, Rockford, Ill.
Leadite Company, Inc, The, 1404 Chestnut St., Philadelphia, Pa.
Leaf Co., E. B., 918 Real Estate Trust Bldg., Philadelphia, Pa.
Leaf, E. B., Co., machy. dlrs. & railroad equipment & scrap iron, 50 Church, New York.
Leahy, John J., 50 Dey, New York.
Leahy Mfg. Co., oil burning equip., 1804 E. 8th, Los Angeles, Calif.
Leahy Mfg. Co., bee keepers' supplies, etc., Higginsville, Mo.
Leahy, Thos., Bldg. Co., 3107 Broadway, New York.
Leak-Cure Metal Cement Co., Inc., 110 Fulton St., New York.
Leak, Wall & McRae, mattresses, Rockingham, N. C.
Leake & Co., T. S., 608 S. Dearborn St., Chicago.

LEAKE ERECTING CO., INC., THE A. G., erectors & riggers, structural steel, ornamental iron, bridges, boilers, machinery, also fabricators of structural steel & ornamental iron work. Ash & Holland Ave., Bridgeport, Conn.

Lean Mfg. Co., Roderick, Mansfield, O.
Lear, W. H., lbr., 830 E. Girard, Philadelphia, Pa.
Leard & Massey, fertilizer, Hartwell, Ga.
Leard Co., The William, 16th St. and 5th Ave., New Brighton, Pa.
Learman, Frank J., machsts., 150 Ellicott, Buffalo, N. Y.
Learned & Son, R. F., (Lumber), Natchez, Miss.
Learned Lbr. Co., 711 Lbr. Ex., Minneapolis, Minn.
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Leary & Co., Provost St., Brooklyn, N. Y.
Leas & McVitty, lthr. belting belts, 303 Vine, Philadelphia, Pa.
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Leasure Vacuum Cleaner Co., Bradford, Pa.
Leath, A., & Co., mattresses, Elgin, Ill.
Leather & Smith Towing & Wrecking Co., boat bldrs., Sturgeon Bay, Wis.
Leather, Geo. E., mosquito netting, 1301 Unity, Philadelphia, Pa.
Leather Mat Mfg. Co., Inc., parcel carriers, etc., 340 Sansome, San Francisco, Calif.
Leather Tire Goods Co., auto belts, chains, anti-skid chains & tire protectors, Niagara Falls, N. Y.
Leatherold Sales Co., 1024 Filbert St., Philadelphia, Pa.
Leathers, A. H., Handle Co., Dickson, Tenn.
Leathersmith Shops, The, 212 N. 13th St., Philadelphia, Pa.
Leathersteel Products Co., matls., runners, etc., 73 Long Wharf, Boston, 9, Mass.
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Leavenworth Bag Mfg. Co., Leavenworth, Kans.
Leavenworth Bridge Co., steel struct. wk., Leavenworth, Kans.
Leavenworth, J. H., & Son, lbr., Greenville, Miss.
Leavenworth Milling Co., flour, Leavenworth, Kans.
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Lebanon Engineering & Supply Co., Lebanon, Pa.
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Lebanon Machine Co., The, Lebanon, N. H.
Lebanon Milling Co., flour, Lebanon, Pa.
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Lebanon Nov. Co., toys, Lebanon, Pa.
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Lebanon Stove Co., Pottstown, Pa.
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Lednum, R. I., & Co., canned goods, Pocomoke City, Md.
Ledoux & Co., 99 John St., New York.
Ledoux, Augustus D., sulphur ores, 15 William, New York.

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CALIF.—Los Angeles—W. R. Colcord, Union League Bldg., Main 3750.
COLO.—Denver—Mine & Smelter Supply Co., 17th & Blake, Main 515.
Dist. of Col.—Washington—J. B. Kendall Co.
FLA.—Jacksonville—J. G. Christopher Co.
Miami—Railey-Milan Hdwe. Co.
Mulberry—Mine & Mill Supply Co.
GA.—Albany—Albany Hdwe. & Mill Sup. Co.
Atlanta—J. M. Tull Rubber & Sup. Co.
Augusta—Lombard Iron Works & Sup. Co.
Macon—Corbin Supply Co.
Savannah—J. D. Weed & Co.
IDAHO—Boise—Idaho Hdwe. & Plumbing Co.
IND.—Indianapolis—Vonnegut Hdwe. Co., 120 E. Washington, Lincoln 2321.
IA.—Des Moines—Iowa Machinery & Sup. Co.
KAN.—Enterprise—Ehrsam & Sons Mfg Co.
Pittsburg—General Machy. & Sup. Co.
Topeka—W. A. L. Thompson Hdwe. Co.
KY.—Louisville—Brandeis Machy. & Sup. Co., 325 W. Main, Main 330.
Owensboro—Wright Machine Co.
LA.—Alexandria—Brown-Roberts Hdwe. & Sup. Co.
Lake Charles—Murray-Brooks Hdwe. Co.
New Orleans—Reliance Machy. & Sup. Co., 217 S. Peters, Main 3385.
MD.—Baltimore—Henry H. Meyer Co.
MASS.—Boston—H. C. Freeman Co., 141 Milk, Main 6279.
MICH.—Detroit—J. W. Dopp & Co., 2937 E. Grand, Empire 3668.
Escanaba—Delta Hardware Co.
MINN.—Duluth—Meagher-Mars Co.
St. Paul—Robinson, Cary & Sands Co., 4th & Wacouta, Garfield 4341.

(Continued on following page)

LESCHEN & SONS ROPE CO., A.—Continued.
MO.—Joplin—Joplin Hardware Co.
Kansas City—Faeth Co., 1127 W. 8th St., Harrison 2285.
Stowe Supply Co.
Springfield—United Iron Works Co.
NEB.—Omaha—Omaha Electrical Works, 1214 Harney, Jackson 1181.
N. Y.—Albany—R. B. Wing & Son Corp.
Buffalo—Weed & Co., 95 Swan, Seneca 1818.
N. CAR.—Charlotte—American Hdwe. & Equip. Co.
Washington—McKeel-Richardson Hdwe. Co.
O.—Cincinnati—Doerman-Roehrer Co.
Cleveland—Beckwith Machinery Co.
Toledo—W. A. Kuhlman & Co.
ORE.—Portland—Zimmerman-Wells-Brown Co.
PENN.—Philadelphia—Standard Sup. & Equip. Co., 17 S. Lehigh, Columbia 6400.
Pittsburgh—Beckwith Machy. Co., 500 Arch, Cedar 3688.
S. CAR.—Charleston—Bailey-Lebby Co.
Georgetown—Kaminski Hardware Co.
TENN.—Chattanooga—Mills & Lupton Sup. Co.
Knoxville—W. J. Savage Co., Inc.
Memphis—Riechman-Crosby Co.
TEX.—Beaumont—Norvell-Wilder Hdwe. Co.
Dallas—Briggs-Weaver Machy. Co.
El Paso—Mine & Smelter Supply Co.
Galveston—Flood & Calvert.
Lufkin—Lufkin Fndry. & Machine Co.
Marshall—Hayes Machy. Co.
Orange—Sabine Supply Co.
Paris—W. F. Dulaney & Sons.
San Antonio—Alamo Iron Works.
UTAH.—Salt Lake City—Mine & Smelter Supply Co.
VA.—Bristol—Mitchell-Powers Hdwe. Co., Inc.
Norfolk—Westbrook, Inc., John D.
WASH.—Seattle—H. J. Armstrong Co.
W. VA.—Belington—Kane & Keyser Hdwe. Co.
Bluefield—Bluefield Hdwe. Co.
Charleston—Capitol City Supply Co.
Elkins—Baldwin Supply Co.
Huntington—Emmons-Hawkins Hdwe. Co.
WIS.—Milwaukee—Hunter Machinery Co.

Lesh & Matthews Lumber Co., 140 S. Dearborn, Chicago.
Lesh, C. P., Paper Co., pads & tablets 121 Kentucky av. Indianapolis, Ind.
Lesher, J. M., contr., 920 W. 1st, Oil City, Pa.
Leslie Co., Lyndhurst, N. J.
Leslie, Elliott & Co., boilers, caissons, stills, tanks, etc., Paterson, N. J.
Leslie, John, Paper Co., 3d av. S. & 5th, Minneapolis, Minn.
Leslie Salt Refining Co., 544 Market, San Francisco, Calif.
Leslie Sheet Metal Works, Bristol, Tenn.
Le Sourd, A., & Sons, sashes, doors & blinds, Bellefontaine, Ohio.
Lesselyong Hardware Co., Ironwood, Mich.
Lessig, Geo. B., Co., iron & steel rolling mills, Pottstown, Pa.
Lessig, Geo. D., & Son, agricultural implements, Reading, Pa.
Lessig, J., cornices & skylights, East Stroudsburg, Pa.
Lessig, John, & Son, common brick, Grand Rapids, Wis.
Lessley, A. L., soap, Lebanon, Pa.
Lester & Wasley Co., Norwich, Conn.
Lester, A. W., meat packers, Albany, N. Y.
Lester Co., aluminum solder, Fayetteville, N. Y.
Lester Piano Co., 1308 Chestnut, Philadelphia, Pa.
Lester-Ricks Oil Co., Byromville, Ga.
Lestershire Spool Mfg. Co., 134-140 Baldwin St., Lestershire, N. Y.
Lesueur, W. D. & C. H., 53 Arcade, Nashville, Tenn.
Leszcynski Co., Edw., 2619 E. Forest Ave., Detroit, Mich.
Letcher & Son, R. J., 191 Morgan St., Jersey City N. J. (Tinplate.)
Letcher, Henry W. (Iron & Steel Pipe), 50 Church St., New York.
Letson Co., T. H. (Hstg.), 50 Church St., New York.
Letter-Pack-It-System, envelopes, 1258 Holden Av., Detroit, Mich.
Letts, E. M., stove pipe mfrs., Waverly, N. Y.
Letts, R. G., lumber, Bannister, Mich.
Letts, W. T., Box & Cooperage Co., St. Joseph, Mo.
Letz Mfg. Co., agricultural implements, Crown Point, Ind.
Leuckel, A. K., & Co., sash, doors & blinds, Trenton, N. J.

LEUPOLD, VOELPEL & CO., scientific instruments, 170 E. 7th N., Portland, Ore.

Leuton Brick Co., 25th & Passy'k av., Philadelphia, Pa.
Leutwiler, J. H., machsts. & fndrs., Trenton, Ill.
Leutwiller Bros., machsts. & fndrs., Highland, Ill.
Leutz, C. F., Sons, handles (wood), Maryville, Ohio.
Le Valley-McLeod-Kinkaid Co., plumbers' supplis., Elmira, N. Y.

LE VALLEY-VITAE CARBON BRUSH CO., 70-100 E. 45th st., New York.

Levene Motor Co., gears, 220 Diamond, Phila., Pa.
Levene Steel Products Corp., shelvings, racks, partitions, etc., 145 Lyons av., Newark, N. J.
Levenson & Zenitz, Howard & Ostend, furniture, Dept. H, Baltimore, Md.
Lever Bros. Co., glycerin & soap, Cambridge, Mass.
Lever Bros. Co., (Soap), 505 Mass. Bldg., Kansas City, Mo.
Lever, Oswald, Co., textile machy., supplies, etc., 11th & Cambria, Philadelphia, Pa.
Leveridge, Chas. W., 246 Fulton St., New York.
Levering & Garrigues Co., 552 W. 23d St., New York
Levering Bros., 200 Key Highway, Baltimore, Md.
Levering Mfg. Co., sash weights, castings, etc., 210 Key Highway, Baltimore, Md.
Leveson, S., scrap iron, 13 Center, Jersey City, N. J.
Levesque, J. T., & Co., architects, Great Falls, Mont.
Levett Co., Walker M., 417 E. 23rd St., New York. (Brass Fdrs.)
Levey, Fred H., Co., inks, 59 Beekman, New York.
Levi, B., & Co., scrap iron, brass & copper, 618 Capanse av., Scranton, Pa.
Levi, Benj. (Screw Mach. Prod.), 355 Broadway, New York.
Levi, J., Co., overalls, Paterson, N. J.
Levi, M. A., scrap rubber, Rochester, N. Y.
Levick's, Richard, Son & Co., mill & facty. supplies, 720 Chestnut, Philadelphia, Pa.
Levien, Louis, Cut Glass Co., 164 5th av., New York.
Levin, M., & Sons, scrap metal & rubber, 2201 3d, San Francisco, Calif.
Levin, Wm., sweaters, cardigans, etc., 204 Canal, New York.
Levine & Co., sweaters, bath'g suits, etc., 140 Junius, Brooklyn, N. Y.
Levine & Co., A., 1475 S. State St., Chicago.

LEVINE, ABRAM, carbons, black diamonds, etc., 2 Maiden Lane, New York.

Levine, P., & Co., umbrella handles, 459 E. 133rd, New York.
Levinson Packing Co., meat, Newport News, Va.
Levinson, Sol., sporting goods, 1028 Market, San Francisco, Calif.
Levinstein, I., & Co., aniline colors, 281 Franklin, Boston, Mass.
Levinthal Plumbing Supply Co., 1637 W. Division, Chicago, Ill.

LEVIS & CO., HENRY, 303 Commercial Trust Bldg., Philadelphia, Pa.

Leviseur, Haroth & Co., leather, 157 South, Boston, Mass.
Levor, G., & Co., leather, Gloversville, N. Y.
Levow, David, roofing slag, 47 W. 34th, New York.
Levy & Merzbach, advert. nov. & spec., 44 W. 28th, New York.
Levy, A., mfr. of uniform caps, also cloth hats & caps, 693 Mission, San Francisco, Calif.
Levy, Albert D., fndrs., Cleveland, Ohio.
Levy, M., & Co., plbrs.' supplies, 2125 S. State, Chicago, Ill.
Levy, Max, & Co., cullet, 845 Rees, Chicago, Ill.
Levy, Oscar, & Co., overalls, 126 E. Market, Chicago, Ill.
Levy Rice Milling Co., 448 Julia, New Orleans, La.
Levy, Robt., Co., cigar cutters, 85 Market, Newark, N. J.
Lewellen Mfg. Co., Columbus, Ind.
Lewes Packing Co., canned goods, Lewes, Del.
Lewin, A. M., Lbr. Co., Bank & McLean, Cincinnati, O.
Lewin, Louis, Co., overalls, 127 S. Market, Chicago, Ill.
Lewin Metals Corp., The, 1-23 Branch St., St. Louis, Mo.
Lewis & Bennett Hardware Co., whol. hardware, Wilkes-Barre, Pa.
Lewis & Bros. Co., John T., 700 Lafayette Bldg., Philadelphia, Pa.
Lewis & Capron Co., 910 S. Michigan Ave., Chicago.
Lewis & Egginton, machsts. & fndrs., Meserole, Brooklyn, N. Y.
Lewis & Milligan, piston pins, 2108 Boulevard pl., Indianapolis, Ind.
Lewis & Neville Mfg. Co., carriages, Goshen, Ind.
Lewis & Valentine Co., landscape architects, 47 W. 34th, New York.
Lewis, Albert William, architect, 2 E. 41st, New York.
Lewis Auto Positive Oil Burner Control, 1107 Dock, Tacoma, Wash.
Lewis Co., A. L., Canton, O.
Lewis Co., The Chas. C., 30 Lymann St., Springfield, Mass.
Lewis Co., G. B., Watertown, Wis.
Lewis Co., J. P., Beaver Falls, N. Y.
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Lewis Canning Co., Westport, Salif.
Lewis County Canning Assn., Chehalis, Wash.
Lewis, D. W., Co., masons' materials, 120 Milk, Boston, Mass.
Lewis Drilling Compound Co., Sauquoit, N. Y.
Lewis, Edwin C., Inc., 121 Federal St., Boston, Mass.
Lewis, E. J., machst., Middleport, N. Y.
Lewis Electric Co., fixtures, 1917 Fresno, Fresno, Calif.
Lewis Electric Co., 15 Iona St., N. W., Grand Rapids, Mich.
Lewis Electrical Supply Co., 121 Federal St., Boston, Mass.
Lewis, F. C., canned goods, Hopkins, Va.
Lewis, F. H., lbr., 631 Lumber Exchange bldg., Minneapolis, Minn.
Lewis, F. J., Mfg. Co., roofing materials, Moline, Ill.
Lewis Felling Mach. Co., blind stitch sewing machy., 3763 Forest Park blvd., St. Louis, Mo.
Lewis File Mfg. Co., Beach City, Ohio.
Lewis Foundry & Machine Co., Groveton, Pittsburgh, Pa.
Lewis-Geer Mfg. Co., children's vehicles, Ypsilanti, Mich.
Lewis-Hall Iron Works, Ferry Ave. & G. T. R. R., Detroit, Mich.
Lewis-Hall Motors Corp., 6930 W. Jefferson St., Detroit, Mich.
Lewis Hardware Co., Rhinelander, Wis.
Lewis, Harry I., lbr. mfrs., 62 Beaver, New York.
Lewis, Hy. B., steel struct. wk., Ferry av. & G. T. Ry., Detroit, Mich.
Lewis, J. L., photographic paper, 522 6th av., New York.
Lewis, J. L., 132 W. 32nd, New York City.
Lewis, John D., 426 Atwells St., Providence, R. I.
Lewis, Jos. E., pipe bends & coils, 1218 Warner, Baltimore, Md.
Lewis Lumber Co., F. P., Lumber Exchange Bldg., Seattle, Wash.
Lewis Lumber Co., Asbury Park, N. J.
Lewis Machine Co., straighteners & cutters, 6303 Central, Cleveland, Ohio.
Lewis Manufacturing Co., 1334 Michigan Ave., Bay City, Mich.
Lewis Mfg. Co., F. J., 2513 S. Robey St., Chicago.
Lewis Mfg. Co., cotton, Walpole, Mass.
Lewis Mfg. Co., milk & cream coolers, Cortland, N. Y.
Lewis Mill & Timber Co., South Bend, Wash.
Lewis Mill Supply Co., Dept. H, Helena, Ark.
Lewis Motor Mfg. Co., The, Fostoria, O.
Lewis-Peters Lbr. Co., Eugene, Ore.
Lewis River Tie & Lumber Mills, Gasco Bldg., Portland, Ore.
Lewis Run Mfg. Co., Bradford, Pa.
Lewis, Sam'l, janitors' supplies, 73 Barclay, New York.

LEWIS-SHEPARD COMPANY, 577 E. 1st St., Boston, Mass.

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Treas.—F. J. Shepard, Jr.

Representatives:
CAL.—Los Angeles—Walford Cammer, 300 Avery St., Tel. 883256.
San Francisco—Duane L. Bliss, Jr., 106 Rialto Bldg., Sutter 5749.
GA.—Atlanta—Mat. Trans. Co., 133½ Central Ave., Main 2457.
ILL.—Chicago—W. K. McMeekin, 564 W. Randolph St., Dearborn 8276.
IND.—Indianapolis—H. B. McNeely, Jr., 606 Guaranty Bldg., Main 4475.
MINN.—St. Paul—Chandler Whit Co., 202 Zenith Bldg., Cedar 2870.
MICH.—Detroit—P. A. Heller, 217 Griswold St., Main 1082.
MO.—St. Louis—J. D. Senden, 604 Fed. Reserve Bank Bldg., Main 481.
N. J.—Orange—D. D. Ritson, 260 Ivy Court, Orange 6537.
N. Y.—Buffalo—E. E. Wallace, 37 Andrews Bldg., 35 Court St., Seneca 0432.
New York—John G. Kurtz, 57 W. Houston St., Spring 1679.
Syracuse—C. F. Glave, 402 Onondaga Bank Bldg.
O.—Cleveland—W. H. Wilson, 2100 B. F. Keith Bldg., Superior 1138.
ORE.—Portland—M. Donald Spencer, 40 First St., Broadway 0560.
PA.—Philadelphia—J. E. Freemann, 709 Arch St., Lombard 1983.
WASH.—Seattle—A. A. Fountain, 912 Western Ave., Elliott 6650.
WIS.—Milwaukee—S. A. Meier, 134 Jefferson St., Broadway 6282.

Lewis Shingle Co., J. A., South Bend, Wash.
Lewis, Slocum & Lefevre Co., paper & pulp mills, Beaver Falls, N. Y.
Lewis Spring & Axle Co., Chelsea, Mich.
Lewis Steam Specialty & Valve Co., 5000 Parkside, Phila., Pa.
Lewis Steel Products Co. See Toledo Steel Products Co. (successors).
Lewis Supply Co., Helena, Ark.
Lewis-Thompson & Co., Inc., Colonial Tr. Bldg., Philadelphia, Pa.
Lewis, Tom, fertilizer mfrs., Sacramento, Calif.
Lewis Valve Co., 2 Rector St., New York.
Lewis-Weller Mfg. Co., bed & coil or spiral springs, Utica, N. Y.
Lewisburg Chair Co., Lewisburg, Pa.
Lewisburg Mill & Elevator Co., flour, Lewisburg, Tenn.
Lewisburg Stone Co., Lima, Ohio.
Lewisburg Stove Co., Lewisburg, Tenn.
Lewisport Mill Co., flour, Lewisport, Ky.
Lewiston Handle Co., Lewiston, Me.
Lewistown Foundry & Mach. Co., Lewistown, Pa.
Lewisville Canning Co., Lewisville, Ind.
Lewthwaite, T. H., Mach. Co., 413 E. 31st, New York.
Lewy Chemical Co., camphor, 58 W. 15th, New York.
Lexington Brick Co., Lexington, Ky.
Lexington Engine & Boiler Works, Lexington, Ky.
Lexington Instrument Wks., calorimeters & machsts., Lexington, Richmond Co., Ohio.
Lexington Mfg. Co., cotton sheetings & tickings, Lexington, S. C.
Lexington Mill & Elevator Co., feed, flour, Lexington, Neb.
Lexington Motor Co., Connersville, Ind.
Lexington Roller Mills Co., feed, flour, Lexington, Ky.
Lexington Triumph Press Br. Co., Lexington, Mo.
Ley & Co., Fred T., Springfield, Mass.
Ley, F. T., & Co., Inc., 230 Boylston, Boston, Mass.
Ley, Fred T., & Co., Inc., contrs., 19 W. 44th, New York.
Ley, Jno., machsts. & fndrs., Bradford, Pa.
Leyare Boat Works, Ogdensburg, N. Y.
Leybold Smith Shingle Co., lbr., Tacoma, Wash.
Leygrand & Co., aluminum wire, 120 Broadway, New York.
Leydan-Ortseifen Co., 4514 Clarendon Ave., Chicago.
Leyland & Co., Inc., Thos., Readville Station, Boston, 37, Mass.
Leyner Eng'g Wks. Co., J. George, Littleton, Colo.
Leyner, Geo. J., Engng. Works Co., see Ingersoll-Rand Co. (successor).
L'Hommedieu & Sons Co., Chas. F., 4521 Ogden Ave., Chicago.
L'Hommedieu's, J. H., Son & Co., contractors, 132 Madison av., New York.
Libbey, C. A., Co., barn equipts., Oshkosh, Wis.
Libbey Glass Co., 2nd Natl. Bank Bldg., Toledo, O.
Libbey, H. S., & Co., contractors, 46 Cornhill, Boston, Mass.
Libbey, W. S., Co., woolen carriage cloth, Lewiston, Me.
Libby & Libby Co., contractors, 244 2d av. S., Minneapolis, Minn.
Libby Box Co., Union Stock Yards, Chicago.
Libby, Chas. A., lbr., Sanders, Idaho.
Libby, E., & Sons Co., lumber mfrs., Gorham, N. H.
Libby-Harlow & Co., collars, 250 Devonshire, Boston, Mass.
Libby, J. H., Co., contractors, 4500 Euclid av., Cleveland, Ohio.
Libby, McNeil & Libby, U. S. Yards, Chicago.
Libby-Owens Co., window glass, Charleston, W. Va.
Libby, T. & L. D., Co., contractors, Temple ct., Minneapolis, Minn.
Liberman, M., bags & bagging, 11 Lewis, New York.
Liberman Mfg. Co., cigar machy., 20th & Aleghy, Phila., Pa.
Liberman, Morris, bags & bagging, 63H Rutgers Slip, New York.
Liberty Auto Co., tops & bodies, 1750 E. 12th, Oakland, Calif.
Liberty Brand Canning Co., Dover, Del.
Liberty Brass & Bronze Foundry, 16 Sherman, San Francisco, Calif.
Liberty Brass Wks. of Baltimore City, 408 W. Redwood, Baltimore, Md.
Liberty Brass Works, machsts. & fndrs., 305 W. Lombard, Baltimore, Md.
Liberty Coppersmithing Co., 170 N. Howard, Phila., Pa.
Liberty Cut Glass Works, Egg Harbor City, N. J.
Liberty Folder Co., circular & paper folding machines, Sidney, O.
Liberty Foundry Co., Inc., 1831 Centre Line Ave., Detroit, Mich.
Liberty Foundry Co., Inc., 7600 Vulcan St., St. Louis, Mo.
Liberty Gauge & Instrument Co., electric plates, stamping dies, jigs, etc., 6545 Carnegie av., Cleveland, Ohio.
Liberty Hoisting Engine Co., 283 Hudson, New York.
Liberty Incandescent Light Co., 468 W. Broadway, New York.
Liberty Iron Pipe & Nipple Wks., 62 Green, New York.
Liberty Iron Wks., 440 E. 163d, New York.
Liberty Leather Co., 86 South, Boston, Mass.
Liberty Lbr. Co., Willow, Ark.
Liberty Machine Co., 2857 26th, San Francisco, Calif.
Liberty Machine Co., grey iron castings, outlet bushings & electric fixture studs, Wauwatosa, Wis.
Liberty Machine Tool & Die Co., machsts., 1206 S. Grove, Irvington, N. J.
Liberty Machine Tool Co., Hamilton, O.
Liberty Mfg. Co., Frick Bldg., Pittsburgh, Pa.
Liberty Milling Co., flour, Liberty, N. C.
Liberty Mills, flour, Bass, Nashville, Tenn.
Liberty Mirror Wks., hand, 6615 Kelly, Pittsburgh, Pa.
Liberty Motor Car Co., Charlevoix & D. T. R. R., Detroit, Mich.
Liberty Ornamental Iron Wks., 2455 Valdez, Oakland, Calif.
Liberty Overall Co., 2209 1st av., Birmingham, Ala.
Liberty Paper Co., 501 5th Ave., New York.
Liberty Power Saw Co., Inc., 2492-96 University Ave., St. Paul, Minn.
Liberty Radiator Core Mfg. Co., 30 Rose av., San Francisco, Calif.
Liberty Screw Co., 333 Shrewsbury St., Worcester, Mass.
Liberty Steel Co., Warren, O.
Liberty Stove Co., 114 N. Second St., Philadelphia, Pa.
Liberty Supply Co., Inc., (Manayunk), Philadelphia, Pa.
Liberty Tool & Machine Co., special machinery & tools, Derby, Conn.
Liberty Tool & Production Co., machsts., Dayton, Ohio.
Liberty Tool Mfg. Co., pneumatic tools, Hagerstown, Md.
Liberty Tractor Co., Minneapolis, Minn.
Liberty Works Mfrs., auto lamps & window regulators, Egg Harbor City, N. J.

Libman, Wm., corn brooms, 1403 Blue Island av., Chicago, Ill.
Library Bureau, Inc., Albany & Pacific Sts., Cambridge, Mass.
Library Bureau of Ill., 214 W. Monroe St., Chicago.
Lichtenberger-Ferguson Co., 264 S. Los Angeles, Los Angeles, Calif.
Lichtenstein Bros., traveling bags, 1074 Folsom, San Francisco, Calif.
Lichtenstein's, L., Sons, fish nets, Richmond, Va.
Lichtman, J., & Son, leather, Frelinghuysen av., Newark, N. J.
Lichtman, S., & Son, second hand bags, 9 Randall, Buffalo, N. Y.
Lichty, B. F., & Son Co., cupolas, barns, cornices & skylights, Waterloo, Ia.
Lick Branch Coal Co., Coxton, Ky.
Licking Window Glass Co., Utica, Ohio.
Liddell Co., Charlotte, N. C
Liddell Elec. Mfg. Co., head sets, Bridgeport, Conn.
Liddell, G. J., canned goods, Liberty Grove, Md.
Lidderdale, A. E., machst., Junction City, O.

LIDGERWOOD MFG. CO., 96 Liberty St., New York
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Detroit, Mich.—707 Hammond Bldg., Main 2057.
Columbus, O.—314 Atlas Bldg.
Portland, Ore.—101 First St.
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Pittsburgh, Pa.—1115 Union Bank Bldg., Court 1303.
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Sales Agents:
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San Francisco, Cal.—Norman B. Livermore & Co., 85 Second St., Sutter 6893.
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Foreign Offices:
London, England; Sao Paulo, Brazil; Rio de Janeiro, Brazil; Apartado, 813, Mexico.

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Sales Mgr.—B. E. Taylor, Jr.
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ALA.—Mobile—McGowin Lyons Hdwe. & Supply Co., 113 N. Water St.
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ARIZ.—Phoenix—Arizona Hdwe. & Supply Co., 3rd & Jackson Sts.
ARK.—Little Rock—Fones Bros. Hdwe. Co., 2nd & Rock Sts.
CAL.—Los Angeles—Union Hdwe. & Metal Co., 411 East 1st St.
San Francisco—C. W. Marwedel, 76-80 First St., Douglas 4180.
COLO.—Denver—Tritch Hdwe. Co.
CONN.—New Haven—C. S. Mersick & Co., 288 State St.
Winchester—Simmons Co.
DEL.—Wilmington—Delaware Elec. & Supply Co., 211 Shipley St.
D. C.—Washington—Crane Co., 1221 1st St., N. W.
FLA.—Jacksonville—S. B. Hubbard Co., 32-34 West Bay St.
GA.—Atlanta—King Hdwe. Co., 53 Peachtree Ave.
IDAHO—Boise—Idaho Hdwe. & Plumbing Co., 8th & Main Sts.
ILL.—Chicago—The Automobile Supply Co., 1601 S. Michigan Ave., Calumet 4330.
Chas. H. Besley & Co., 124 N. Clinton St., Franklin 1222.
H. Channon Co., Market & Randolph Sts., Franklin 0380.
Hibbard, Spencer, Bartlett & Co., State St. Bridge, Central 7280.
IND.—Indianapolis—Van Camp Hdwe. & Iron Co., 401-425 W. Maryland St.
Vonnegut Hdwe. Co., 120 E. Washington St.
IA.—Des Moines—Luthe Hdwe. Co.
KANS.—Atchison—Blish, Mize & Silliman Hdwe. Co.
KY.—Louisville—Belknap Hdwe. & Mfg. Co., 127 W. Washington St.
LA.—New Orleans—Stauffer, Eshleman & Co., Ltd., 511 Canal.
ME.—Portland—W. L. Blake & Co.
MD.—Baltimore—Taylor Sup. Co., 937-39 Fell St.
MASS.—Boston—Chandler & Farquhar Co., 250 Devonshire, Main 7670.
MICH.—Detroit—Buhl Sons Co., foot of Adair St., Edgewood 4000.
The Boyer Campbell Co., 362 Congress St. East, Cadillac 3260.
T. B. Rayl Co., 236 Congress St., W., Cherry 5000.
The Chas. A. Strelinger Co., 149-165 Larned St., East, Cadillac 7080.
Kalamazoo—Edwards & Chamberlin Hdwe. Co., 129 East Main St.
MINN.—Minneapolis—Janney, Semple, Hill & Co., 20 Second St., S.
St. Paul—Farwell, Ozmun, Kirk & Co., Jackson & 2nd St.
MISS.—Jackson—Mississippi Foundry & Machine Co.
MO.—Kansas City—Richards & Conover Hdwe. Co., 5th & Wyandotte Sts., Main 7600.
Uhrich Supply Co., 303 E. 11th St., Main 4393.
St. Louis—The Continental Supply Co., 1139 Olive St., Olive 5025.
Geller, Ward & Hasner Hdwe. Co., 412 North 4th, Main 3500.
MONT.—Billings—Crane Co., 30th & 1st Ave.
NEBR.—Omaha—Lee-Kountze Hdwe. Co., 9th & Farnam Sts.
N. H.—Manchester—E. P. Cornish, Forsaith Bldg.
N. J.—Newark—Ludlow & Squier, 97-103 Market St.
N. Y.—Buffalo—Beals, McCarthy & Rogers, 40 to 62 Terrace, Seneca 2820.
New York—Cavanagh Bros. & Co., 89-91 Warren St., Barclay 5492.
Oliver Bros., Inc., 71-73 Murray St., Barclay 7234.
Rochester—Haverstick & Co., 66 Exchange St.
N. C.—Charlotte—The Textile Mill Supply Co., Mint & Penman Sts.
O.—Cincinnati—The E. A. Kinsey Co., 331-335 W. Fourth St.
Cleveland—Mau-Sherwood Supply Co., Lime Road rear of B. & O. Passenger Station.
Columbus—Smith Bros. Hdwe. Co., 32 W. Chestnut St.
OKLA.—Tulsa—Frick Reid Supply Co.
ORE.—Portland—Honeyman Hdwe. Co., Park & Glison Sts.
PA.—Philadelphia—Thomas G. Lovegrove, Bourse Bldg., Lombard 0490.
Theo. C. Ulmer, Richmond St. & E. Columbia Ave., Kensington 1620.
Pittsburgh—Somers, Fitler & Todd Co., 324 Water St., Court 4860.
R. I.—Providence—Hope Mill Supply Co., 18-20 Page St.
S. D.—Sioux Falls—Dakota Iron Store Co., 5th & Main Sts.
TENN.—Knoxville—C. M. McClung & Co., 509 Jackson Ave.
TEX.—Houston—Republic Supply Co., Carter Bldg.
San Antonio—San Antonio Machine & Supply Co., 325-327 N. Centre.
UTAH—Salt Lake City—F. C. Richmond Co., 117-119 W. 2nd St., S.
Salt Lake Hdwe. Co., 255 S. Main St.
VA.—Richmond—Virginia Carolina Hdwe. Co., 1318 E. Main St.
WASH.—Seattle—Seattle Hdwe. Co., 501 S. 1st Ave.
Yakima—Yakima Hdwe. Co., 224 S. First St.
W. VA.—Huntington—The Miller Supply Co., 742-746 Third Ave.
WIS.—Milwaukee—Philip Gross Hdwe. & Sup. Co., 218 Third St.
John Pritzlaff Hdwe. Co., 51 W. Water St.
Suelflohn & Seefeld Co., 45 Second St.
Racine—Mohr-Jones Hdwe. Co., 315-319 Sixth St.

Lidgerwood Co-op. Milling Co., flour, Lidgerwood, N. D.
Lidgerwood Mfg. Co., Widener Bldg., Phila., Pa.
Liebel-Flarsheim Co., transformers, 410 Home, Cincinnati, Ohio.
Lieber, H., & Co., incandescent light chem., 179 Pearl, New York.
Lieberman & Sanford Co., architect'l & ornament. iron, 623 W. 57th, New York.
Lieberman, Jos. L., Iron Co., scrap iron, Webster bldg., Chicago, Ill.
Lieberman, Loveman & Cohn, Chestnut St., Nashville, Tenn.
Lieberman Trunk Co., Saginaw, Mich.
Liebhardt, Wm. L., & Co., flannels, blankets, woolen, Middletown, Ind.
Liebich Co., G. J., 166 W. Kinzie St., Chicago.
Liebig, Wm., & Co., machsts., 96 Leland, Detroit, Mich.
Liebold-Farrell Bldg. Co., contrs., 132 E. 4th, Cincinnati, Ohio.
Liebrick, Fred., concrete sockets, Monadnock bldg., Chicago, Ill.
Liebstein, S., & Sons, 49th & Marshall, Newark, N. J.
Liebstein, T. B., scrap iron & steel, 102 Parkhurst, Newark, N. J.
Lieberman & Sanford Co., (Iron Wks.), 633 W. 57th St., New York.
Lientz Oil & Furnace Co., B. P., 3409 E. 18th St., Kansas City, Mo.
Liepsner & Co., H. C., 938 Wyandotte, Kansas City, Mo.
Liese Lumber Co., Belleville, Ill.
Liesinger, B. T. G., machsts., 137 Vermont, Buffalo, N. Y.
Lietz Co., A., 61 Post, San Francisco, Calif.
Life Saving Device Co., 186 N. La Salle St., Chicago (now Lungmotor Corp.)
Lifton Mfg. Co., The, 13-15 W. 27th St., New York.
Liggett Mfg. Co., The, Council Bluffs, Ia.
Liggett Spring & Axle Co., Monongahela, Pa.
Light, A. L., scrap iron, Punxsutawney, Pa.
Light Alloys Co., fdrs., Painesville, O.
Light Draft Harrow Co., machsts. & fndrs., Marshalltown, Ia.
Light Mfg. & Foundry Co., Union and Queen Sts., Pottstown, Pa.
Light Railway Equipment Co., Chester, Pa.
Light Railway Equipment Co., Commercial Tr. Bldg., Phila., Pa.
Lighthiser, C. H., canned goods, 602 William, Baltimore, Md.
Lightner, N., granite producers, Gettysburg, Pa.
Lightning Appliance Co., elec. fixtures, 7 Desbrosses, New York.
Lightning Calculator Co., Grand Rapids, Mich.
Lightning Coin Changer Co., 844 Rush St., Chicago.
Lightning Letter Opener Co., Rochester, N. Y.
Lightning Mfg. Co., compounds, Cornish Flat, N. H.
Lightolier Co., 569 Broadway, New York.
Lignistra Fibre Products Co., paper & pulp mills, Barberton, O.
Lignum Chem. Wks., sawdust, 366 Morgan av., Brooklyn, N. Y.
Ligol Chemical Co., Houston, Tex.
Ligonier Carriage Co., Ligonier, Ind.
Ligonier Lbr. Co., Ligonier, Pa.
Ligonier Refrigerator Co., Ligonier, Ind.
Liken & Bach, lumber, Sebewaing, Mich.
Liken, John C., & Co., mill feed, Sebewaing, Mich.
Likly & Co., Henry, 330-340 Lyell Ave., (Trunks, Etc.), Rochester, N. Y.
Likly & Rackett Trunk Co., 1365 Euclid av., Cleveland, Ohio.
Liles Bros., spokes, Forest, Miss.
Lilienthal Crockery Co., Atlanta, Ga.
Lillard Milling Co., flour, Decatur, Tex.
Liller, W. A., contrs., pig. mill, etc., Keyser, W. Va.
Lilley & Co., M. C., Long and Sixth St., Columbus, O.
Lilley Varnish Co., 670 S. California St., Indianapolis, Ind.

LILLIBRIDGE, INC., RAY D., 111 Broadway, New York.
Lillie Co., Dexter P., Indian Orchard, Mass.
Lillie Granite Co., Montpelier, Vt.
Lillie, O. E., brooms, Hiawatha, Kan.
Lilliston, Morris, & Co., lbr., Accomac, Va.
Lilly & Co., Eli, Indianapolis, Ind.
Lilly, Arthur L., machsts., Rixford, Pa.
Lilly Bros. Foundry, 2268 E. 14th, San Francisco, Calif.
Lilly Carriage Co., 217 Union, Memphis, Tenn.
Lilly, Chas. H., Co., fertilizer mfrs., Seattle, Wash.
Lilly-Fletcher Co., contrs., 301 S. Western, Los Angeles, Calif.
Lilly Hardware Co., 114 E. Washington, Indianapolis, Ind.
Lillyblad, Gust., lime mfrs., Red Wing, Minn.
Lily Cup Co., 25 Fulton, New York.
Lima Brass Fdry., Lima, Ohio.
Lima Cleaning Mach. Co., hand vacuum cleaners, Lima, Ohio.
Lima Cut Stone Co., Lima, Ohio.
Lima Foundry & Machine Co., Lima, O.
Lima Locomotive Works, Inc., Lima, O.
Lima Mattress Co., Lima, Ohio.
Lima Metals Fdry. Co., Lima, Ohio.
Lima Packing Co., meat packers, Lima, Ohio.
Lima Sheet Metal Products Co., auto fenders & stamping, Lima, Ohio.
Lima Steel Casting Co., Lima, Ohio.
Limbacher Paint & Color Wks., 697 E. 189th, New York.
Limback Lumber Co., Cedar Rapids, Ia.
Limberg Fdry. & Enamlg. Wks., Florence & Symmes, Cincinnati, O.
Limbert, Chas. P., Co., mission lamps, Holland, Mich.
Limbert, Geo. B., & Co., pipe fittings, 558 Fulton, Chicago, Ill.
Limbocker Co., C. C., 1411-51 Central Ave., Detroit, Mich.
Lime Assn., Mather Bldg., Washington, D. C.
Limeburner, J. E., Co., optical instruments, 1720 Chestnut, Philadelphia, Pa.
Limerick, J. Arthur, Co., name plates, 960 N. Howard, Baltimore, Md.
Limestone Mfg. Co., lbr., Limestone, Fla.
Limestone Mills, cotton sheetings, Gaffney, S. C.
Limestone Products Corp. of Am., 26 Cortland, New York.
Limeton Lime Co., Limeton, Va.
Liminous Unit Co. (see Brascolite Co., successor).
Limoges China Co., Sebring, O.
Limousine-Carriage Mfg. Co., auto. bodies, 3515 S. Michigan av., Chicago, Ill.
Linch, T. O., masons' & bldrs., matls., Flovilla, Ga.
Linck, Jacob H., wholesale hdwe., Williamsport, Pa.
Lincoln & Boss Lumber & Coal Co., masons' & bldrs.' matls., Willimantic, Conn.
Lincoln & Co., L. N. Dighton, Mass.
Lincoln Advtg. Co., novelties, Lincoln, Neb.
Lincoln Archl. Iron Co., Rockaway, N. J.
Lincoln Auto. Top Co., Lincoln, Neb.
Lincoln-Blizard Co., leather, 218 Market, Lynn, Mass.
Lincoln Bonding Co. See Rail Welding & Bonding Co., Inc. (successor).
Lincoln Box Co., Merrill, Wis.
Lincoln Brass Works, 291 12th St., Detroit, Mich.
Lincoln Casket Co., Lincoln, Ill.
Lincoln Coal & Coke Co., bituminous, Scottdale, Pa.
Lincoln Cornice & Metal Wks., Lincoln, Neb.
Lincoln Crane Co., 549 W. Washington St., Chicago (See T. L. Smith Co., Milwaukee, Wis.)
Lincoln Creek Lumber Co., Centralia, Wash.
Lincoln Electric Co., E. 38th St. and Kelley Ave., Cleveland, O.
Lincoln Fixture & Supply Co., metal polish, Lincoln, Neb.
Lincoln Furn. Co., Dept. H, 19th & Lehigh, Phila., Pa.
Lincoln Gas & Electric Light Co., Lincoln, Neb.
Lincoln, Geo. H., Co., machsts. & fndrs., 191 Old Colony av. S. B., Boston, Mass.
Lincoln, Ill., Collar Co., Lincoln, Ill.
Lincoln Iron Works, Rutland, Vt.
Lincoln, J. N., & Son, contrs., Ware, Mass.
Lincoln Machine Co., Main & Carver Sts., Pawtucket, R. I.
Lincoln Mfg. Co., electric lighting fixtures, 2630 Erskine, Detroit, Mich.
Lincoln Metal Products Co., elec'l horns, Lincoln, Ill.
Lincoln Milling Co., flour, Lincolntown, N. C.
Lincoln Mills, Inc., flour, Lincoln, Neb.
Lincoln Monument Co., stone producers, Lincoln, Ill.
Lincoln Motor Co., Warren & Livernois Sts., Detroit, Mich.
Lincoln Packing Co., meat, Lincoln, Neb.
Lincoln Paint & Color Co., Dallas, Tex.
Lincoln Paint & Color Co., Lincoln, Neb.
Lincoln Paper Co., Lincoln, Neb.
Lincoln Paving Block Co., Canton, Ohio.
Lincoln Products Co., 320 Market St., Newark, N. J.
Lincoln Rubber Co., druggists' sundries, High, Akron, O.
Lincoln-Schlueter Machy. Co., 225 W. Illinois St., Chicago.
Lincoln State School & Colony, willow ware mfrs., Lincoln, Ill.
Lincoln Steel & Forge Co., 5701 Natural Bridge Ave., St. Louis, Mo.
Lincoln Steel Co., 2320 W. 58th St., Chicago.
Lincoln Storage Battery Co. (see Hinsdill Electric Co., successors), Troy, N. Y.
Lincoln Stove Co., Fremont, O.
Lincoln Tent & Awning Co., Lincoln, Neb.
Lincoln Twist Drill Co., Taunton, Mass., (See Greenfield Tap & Die Corp., Greenfield, Mass.)
Lincoln Typewriter Co., 298 Broadway, New York.
Lincrusta Walton Co., wall coverings, Hackensack, N. J.
Lind, C. E., contractor, Bellingham, Wash.
Lind Co., G. C. (R. R. & Contractor Supplies), 805 Cuyler Ave., Oak Park, Ill.
Lind, J., contractor, Galva, Ill.
Lindahl Machine Co., Henry, Lake & Morgan Sts., Chicago.
Lindbeck Lumber & Mfg. Co., Jamestown, N. Y.
Lindale Canning Co., Lindale, Tex.
Lindale Mills, box boards, North Adams, Mass.
Lindauer-O'Connell Co., wood pulp, Little Rapids, Wis.
Lindauer Pulp Co., Kaukauna, Wis.
Lindblad, K. F. M., elec. fixtures, 65 Sudbury, Boston, Mass.
Linde & Griffith Co., contractors, ft. 4th av., Newark, N. J.

LINDE AIR PRODUCTS CO., THE, General Offices, Carbide & Carbon Bldg., 30 E. 42nd St., New York.
District Sales Offices:
Atlanta, Ga.—512 Hurt Bldg.
Baltimore, Md.—906 Lexington Bldg.
Boston, Mass.—947 Old South Bldg.
Buffalo, N. Y.—1007 White Bldg.
Chicago—1331 Peoples Gas Bldg.
Cleveland, O.—409 Union Bldg.
Dallas, Tex.—810 Kirby Bldg.
Detroit, Mich.—2-239 General Motors Bldg.
Kansas City, Mo.—1028 New York Life Bldg.
Los Angeles, Cal.—1310 Santee St.
Milwaukee, Wis.—1434 1st Wisconsin Natl. Bank Bldg.
New Orleans, La.—731 Whitney Central Bldg.
New York—Room 811, 30 E. 42nd St.
Philadelphia, Pa.—924 City Center Bldg.
Pittsburgh, Pa.—1134 Fulton Bldg.
St. Louis, Mo.—582-582-A Arcade Bldg.
San Francisco, Cal.—507 Balfour Bldg.
Seattle, Wash.—304 Railroad Ave., So.
Distributing Stations.

Albany, N. Y.	Louisville, Ky.
Allentown, Pa.	Manitowoc, Wis.
Atlanta, Ga.	Marion, O.
Baltimore, Md.	Memphis, Tenn.
Birmingham, Ala.	Milwaukee, Wis.
Boston, Mass.	Minneapolis, Minn.
Brooklyn, N. Y.	Mobile, Ala.
Buffalo, N. Y.	Muskegon, Mich.
Canton, O.	Nashville, Tenn.
Casper, Wyo.	New Orleans, La.
Charlestown, W. Va.	New York.
Charlotte, N. C.	Norfolk, Va.
Chattanooga, Tenn.	Norristown, Pa.
Chicago, Ill.	No. Kansas City, Mo.
Cincinnati, O.	Oklahoma City, Okla.
Cleveland, O.	Omaha, Neb.

(Continued on following page)

LINDE AIR PRODUCTS CO., THE—Continued.

Columbus, O.
Dallas, Tex.
Davenport, Ill.
Dayton, O.
Denver, Colo.
Des Moines, Ia.
Detroit, Mich.
Duluth, Minn.
E. Chicago, Ind.
Elizabeth, N. J.
Erie, Pa.
Ft. Wayne, Ind.
Galveston, Tex.
Grand Rapids, Mich.
Hammond, Ind.
Harrisburg, Pa.
Hartford, Conn.
Houston, Tex.
Indianapolis, Ind.
Indian Orchard, Mass.
Jacksonville, Fla.
Johnstown, Pa.
Kansas City, Mo.
Knoxville, Tenn.
Lima, O.
Little Rock, Ark.
Peoria, Ill.
Philadelphia, Pa.
Pittsburgh, Pa.
Port Arthur, Tex.
Portland, Me.
Providence, R. I.
Reading, Pa.
Richmond, Va.
Rochester, N. Y.
St. Louis, Mo.
San Antonio, Tex.
Savannah, Ga.
Scranton, Pa.
Shreveport, La.
Terre Haute, Ind.
Toledo, O.
Trafford, Pa.
Tulsa, Okla.
Utica, N. Y.
Washington, D. C.
Wheeling, W. Va.
Wichita, Kan.
Wichita Falls, Tex.
Wilkesbarre, Pa.
Worcester, Mass.
Youngstown, O.

Pacific Coast:
Emeryville, Cal.
Fresno, Cal.
Los Angeles, Cal.
Portland, Ore.
Sacramento, Cal.
Salt Lake City, Utah.
San Diego, Cal.
San Francisco, Cal.
Seattle, Wash.
So. San Francisco, Cal.
Spokane, Wash.

Linde Paper Co., J. E., 84-90 Beekman, New York.
Lindeman & Hoverson Co., A. J., 1st Ave. & Cleveland St., Milwaukee, Wis.
Lindeman & Sons Piano Co., 4 W. 140th, New York.
Lindemann, A. J., & Hoverson Co., stoves, Milwaukee, Wis.
Lindemann, O., & Co., animal cages, etc., 35 Wooster, New York.
Lindemuth Engng. Co., heating contrs., York, Pa.
Linden Co., glass stainers, 1216 S. Michigan av., Chicago, Ill.
Linden Construction Co., Duluth, Minn.
Linden Lumber Co., Linden Heights, Ohio.
Lindenberg Piano Co., Columbus, Ohio.
Lindenhurst Mfg. Co., button mfrs., Lindenhurst, N. Y.
Lindenmeyr & Sons, Henry, 32-34-36 Bleecker St., New York.
Lindenschmidt Co., The, 417 Ingle St., Evansville, Ind.
Lindermann Box & Veneer Co., Eau Claire, Wis.
Linderman Machine Co., Muskegon, Mich.
Lindgren & Swinerton, Inc., 622 Standard Oil bldg., San Francisco, Calif.
Lindholm Metal Stamping Co., Camden, N. J.
Lindley, Chas. D., machsts. & fndrs., Olympia, Wash.
Lindley, Geo. W., tex. machy. (lace machines), (winders hosiery), 5122 Wakefield, Gtn., Philadelphia, Pa.
Lindley Mfg. Co., mosquito netting, Ontario & D, Philadelphia, Pa.
Lindley, Thomas F., drain tile, Kempton, Ind.
Lindley, W. H., Co., gasoline strainers, Canastota, N. Y.
Lindner & Vradenburgh, machsts. & fndrs., textile achy., 239 Centre, New York.
Lindner, P. S., & Co., masons' & bldrs.' matls., Sandwich, Ill.
Lindsay Bros., agricultural implements, 78 Reed, Milwaukee, Wis.
Lindsay & Co., Inc., W. W., Harrison Bldg., Philadelphia, Pa.
Lindsay Chaplet & Mfg. Co., Harrison Bldg., Philadelphia, Pa.
Lindsay, D. M., wagon & carriage spokes, Newport, Tenn.
Lindsay Hardware Co., James C., 12-8th St., Pittsburgh, Pa.
Lindsay, Inc., James L., Richmond, Va.
Lindsay, John C., & Co., fndrs., Burlington, N. J.
Lindsay Lbr. Co., Miami, Fla.
Lindsay Light Co., 161 E. Grand Ave., Chicago.
Lindsay, McMillan Co., 242 Broadway, Milwaukee, Wis.
Lindsay Mfg. Co., handles—wood, Ottumwa, Ia.
Lindsay, Wm. A., fndrs., Dept. H, Krams & Wilde, Philadelphia, Pa.
Lindsay, Wm. P., Texas, Md.
Lindsay Wire Weaving Co., 14025 Aspinwall, Cleveland, O.
Lindsborg Milling & Elevator Co., Lindsborg, Kans.
Lindsey, Jas. C., Hardware Co., 12 8th, Pittsburgh, Pa.
Lindsey, John, Lumber Co., Laurel, Miss., & Pollard, Ala.
Lindsey, Robinson, & Co., flour mills, Roanoke, Va.
Lindsey Wagon Co., Laurel, Miss.
Lindskog Auto Carriage & Wagon Wks., 3522 Vinc. av., Chicago, Ill.
Lindsley Brothers Company, The, 611 Peyton Bldg., Spokane, Wash.
Lindsley, Hy. A., see Cleveland Gasket & Mfg. Co. (successor).
Lindsley, John N., steam fitters' supplies, Orange, N. J.
Lindstrom Die, Tool & Gauge Works (Inc.), special machinery & tools, 50 Silliman av., Bridgeport, Conn.
Lindstrom-Houdforth Lumber Co., Tacoma, Wash.
Lindstrom, Smith Co., 3220 W. Lake St., Chicago (now National Stamping & Electric Works).
Lindstrom Tool & Toy Mfg. Co., Inc., Bridgeport, Conn.
Line-A-Time Manufacturing Co., Inc., The (Copyholders), 924 St. Paul St., Rochester, N. Y.
Lineaweaver & Co., Inc., H. H., W. 215 S. Broad St., Philadelphia, Pa.
Linebaugh, W. A., flour mills, Clinton, Tenn.
Linebury Fdry. & Mach. Co., North Wilkesboro, N. C.
Line Material Co., South Milwaukee, Wis.
Linemen Protector Co., shields, shoes & cross arm protectors, Penobscot bldg., Detroit, Mich.
Linen Thread Co., 96 Franklin St., New York.
Lineograph Co., duplicators, 66 Reade, New York.
Lines Flynn Co., 30 Church St., New York.
Lineville Graphite Co., Lineville, Ala.
Lingham, John, contr., Starling, Ill.
Lingle Mfg. Co., elec. cable hangers, Clinton, Mo.
Lingo-Leeper Co., masons' & bldrs.' matls., Denison, Tex.
Lingo, R. D., & Co., canned goods, Dagsboro, Del.
Lingsweller, J. G., flour mills, Lebanon, Mo.
Linhart, S. A., sash, door & blind, Bloomdale, Ohio.
Linihan, M. E., machinist, Kalamazoo, Mich.

LINK-BELT COMPANY, 300 W. Pershing Rd., Chicago.
Pres.—Charles Piez.
V. P.—Staunton B. Peck, A. Kauffmann, A. C. Johnston., Prentiss L. Coonley.
Treas. & Sec.—Richard W. Yerkes.
Asst. Treas.—P. G. Reid, F. V. MacArthur.
Asst. Sec.—F. V. MacArthur.

Works and Sales Offices:
Chicago: Chicago Plant, 300 W. Pershing Rd.
Caldwell Plant, 1700 S. Western Ave.
Indianapolis: (Chain Plants).
Dodge Works, (Silent & Roller Chains) 501 N. Holmes Ave.
Ewart Works, (Malleable & Steel Chains) 200 S. Belmont Ave.
Belmont Foundry (Malleable & Iron Castings), 200 S. Belmont Ave.
Philadelphia: (Works and Sales Offices), Philadelphia Plant, 2045 Hunting Park Ave., (Nicetown).
Olney Foundry, 180 W. Duncannon Ave., (Olney)
Dodge Steel Co., State Road, (Tacony)

Branch Offices:
Atlanta, Ga.—24 Marietta St.
Birmingham, Ala.—720 Brown-Marx Bldg.
Boston, Mass.—49 Federal St.
Buffalo, N. Y.—745 Ellicott Square.
Charlotte, N. C.—909 Commercial Bank Bldg.
Cleveland, O.—329 Rockefeller Bldg.
Denver, Colo.—520 Boston Bldg.
Detroit, Mich.—5938 Linsdale Ave.
Huntington, W. Va.—Robson-Prichard Bldg.
Kansas City, Mo.—R. 405, 1002 Baltimore Ave.
Louisville, Ky.—321 Starks Bldg.
New Orleans, La.—C. O. Hinz, 504 Carondelet Bldg., Whitney Supply Co., Ltd., 418 S. Peters St.
New York—2676 Woolworth Bldg.
Pittsburgh, Pa.—335 Fifth Ave.
St. Louis, Mo.—705 Olive St.
Wilkes-Barre, Pa.—826 Second Natl. Bank Bldg.

Link-Belt Limited:
Toronto, Ont., Can.—(Works and Sales Office) Wellington & Peter Sts.
Montreal, Que., Can.—(Branch) 10 Gauvin Lane.

Link-Belt Meese & Gottfried Co.
Works and Sales Offices:
San Francisco, Cal.—19th & Harrison Sts.
Seattle, Wash.—820 First Ave., S.

Branches:
Los Angeles, Cal.—400 E. 3rd St.
Portland, Ore.—67 Front St.

Foreign Representatives:
Amsterdam, Holland-Lindeteves-Stokvis.
Christiania, Norway—G. Hartmann, Ltd.
Johannesburg, S. Africa—Edward L. Bateman.
Sydney, N. S. W., Australia—Charles Kolling.

Link Belt Supply Co., 410 S. 3d, Minneapolis, Minn.
Link Chain Co., Williamsport, Pa.
Link Co., A. P. (Water Stills), 432 E. 71st St., New York.
Link, David & Co., oils & tallow, Produce Exch., New York.
Link Mfg. Co., babitt ladles & grain elevators, Kansas City, Mo.
Link Mfg. Co., grease cup lubricators, 17th & Cleveland, Kansas City, Mo.
Link Milling Co., flour, Springfield, Mo.
Link, Newcomb Mill & Lumber Co., Bentonia, Miss.
Linke, T., water portable filters, 235 W. 46th, New York.
Linkenheil Planing Mill Co., 182 E. Columbus, Columbus, Ohio.
Linker, Wm., Co., contrs., 735 Cherry, Philadelphia, Pa.
Linkman, M., & Co., pipes, 1150 Fullerton St., Chicago, Ill.
Linn-Benton Fruit Growers' Assn., canned goods, Albany, Ore.
Linn County Lumber & Coal Co., masons' & bldrs.' matls., Cedar Rapids, Ia.
Linn Mills Co., twine, Landis, N. C.
Linney, W. T., cornices, Fort Plain, N. Y.
Linograph Co., machy., Davenport, Ia.
Lino Paint Co., 16908 Waterloo Road, Cleveland, O.
Linscott Drilling Co., contrs., Balboa bldg., San Francisco, Calif.
Linscott Supply Co., 566 Commonwealth Ave., Boston Mass.
Linstroth Wagon Co., 2616 Chouteau av., St. Louis, Mo.
Linton & Co., gold & plumbers' solder, etc., 86 Page, Providence, R. I.
Linton & Scott, 110-12 W. 40th St., New York.
Linton Machine Co., 101 Park Ave., New York.
Linton Mill Co., rivet, Linton, Ind.
Lintz, Henry, & Son, machinists, Fort Branch, Ind.
Linville Lime Co., Linville, Va.
Linwood Construction Co., 210 Franklin, Buffalo, N. Y.

LINZEE ELECTRIC MOTOR CO., THE, (successors to Phoenix Electric Co.), Mansfield, Ohio.

Lion Hardware Co., Springfield, Ohio.
Lion Match Co., Inc., safety matches, 250 W. 57th, New York.
Lion Tire & Rubber Co., Ltd., New Toronto, Ont., Can.
Lion Tractor Co., engines, 638 Sec. Bk. bldg., Minneapolis, Minn.
Lion Varnish Mfg. Co., 3420 13th av. S. W., Seattle, Wash.
Lion Varnish Wks., Glendale Station, N. Y.
Lipe & Walrath Co., 208 S. Geddes St., Syracuse, N. Y.
Lipe, W. C., machsts., Syracuse, N. Y.
Lipman Pump Works, Rockford, Ill.
Lipman Refrigerator Car & Mfg. Co., The, Beloit, Wis
Lippe & Co., picture frame moulding, 329 E. 29th, New York.
Lippe Contrg. Co., 17 W. 60th, New York.
Lippert & Rhenstrom, machsts., Kenosha, Wis.
Lippert, E. T., Saw Co., blades, 200H Lincoln av., Pittsburgh, Pa.

LIPPERT SAW CO., E. T., 100 Lincoln Ave., (Millvale), Pittsburgh, Pa.
Pres. & Gen. Mgr.—E. B. W. Pfischner.
Asst. Gen. Mgr.—Edw. E. Pfischner.
Sec.—F. J. Pfischner.
Treas.—C. E. Theobald.
Sales Mgr.—C. E. Pfischner.

Lippincott, A. C., high pressure boilers, East Orange, N. J.
Lippincott, A. H., & F. H., soda water fountains, Erie & E. Richmond, Philadelphia, Pa.
Lippincott-Carwen Corp., Erie E. Richmond, Philadelphia, Pa.
Lippincott, Clement G., masons' & bldrs.' matls., Salem, N. J.
Lippincott Co., canned goods, 42 Main, Cincinnati, O.
Lippincott Glass Co., Alexandria, Ind.
Lippincott, Mrs. J. W., canned goods, Salem, N. J.
Lippman & Sugarman, chemists, 135 Stockton, San Francisco, Calif.
Lippman Kamprite Trailer Co., 1122 Olive St., St. Louis, Mo.
Lipscomb, H. G., & Co., wholesale hdwe., 140 2d av. N., Nashville, Tenn.
Lipscomb, Wm. P., & Co., contractors, National Bank bldg., Washington, D. C.
Lipsitz Co., Inc., J., Chelsea, Mass.
Liptak Fire Brick Arch Co., 710 Lincoln Bank bldg., Minneapolis, Minn.
Liptak, John N., architect, 753 5th av., New York.
Liquefied Petroleum Gas Co., gasoline, 918 Mid Cont., Tulsa, Okla.
Liquid Carbonic Co., 3100 S. Kedzie Ave., Chicago.
Lisbon Cement Co., Lisbon, Ohio.
Lisbon Lime Co., Lisbon, Ohio.
Lisenby Mfg. Co., machinery, Kern & Angus, Fresno, Calif.
Lisenby Mfg. Co., 222 N. Wabash Ave., Chicago.
Lisk Mfg. Co., Ltd., Canandaigua, N. Y.
Lisle Mfg. Co., Clarinda, Ia.
Lissa, Hy., & Co., trunk mfrs., 443 Broadway, New York.
Lissberger & Son, Inc., Marks, 281 Borden Ave., Long Island City, N. Y.
Lissberger, Benamin & Co., Woolworth Bldg., New York.
List & Weatherby Contr. Co., Ry. Exch. Bldg., Kansas City, Mo.
List, Alex., & Sons, contractors, Grand Cent. Term., New York.
List Mfg. Co., E. J., Havana, Ill.
Listenwalter & Gough, Inc., 819 E. 1st, Los Angeles, Calif.
Listers Agricultural Chem. Works, Lister Ave., Newark, N. J.
Listman Mill Co., wheat flour, La Crosse, Wis.
Liston & Potter Mfg. Co., carriage covers, tents, etc., Eugene, Ore.
Litch, L. D., Building Co., 7 Berkeley, Lynn, Mass.
Litchfield Bros., lumber, North Vernon, Ind.
Litchfield Bros., masons' & bldrs.' matls., Flanagan, Ill.
Litchfield Foundry & Machine Co., Litchfield, Ill.
Litchfield, Metzner & Co., contractors, Louisville, Ky.
Litchfield Mfg. Co., Waterloo, Ia.
Litchfield Shuttle Co., tex. machy., supplies, etc., Southbridge, Mass.
Litchfield Woolen Mills Co., Litchfield, Minn.
Liteweld Co., 2400 Woodland Ave., Cleveland, O.
Litho & Offset Engraving Co., 141 E. 25th St., New York
Litho Stove & Machy. Co., 494 Broome, N. Y.
Lithotype Co., Elgin, Ill.
Lithowhite Silex Co., The, Still River, Conn.
Litnum Bronze Co., Menomonie, Wis.
Litquick Gas Lamp Co., screw machine prod., 310 Conalle, Defiance, Ohio.
Litscher Electric Co., C. J., 41 Market St., S. W., Grand Rapids, Mich.
Lit-Silver Plbg. Supply Co., 109 Fallsway, Baltimore, Md.
Littauer & Co., Inc., Ludwig, 30 E. 33rd St., New York.
Littejohn, L., & Co., crude rubber, 138 Front, New York.
Littell Machine Co., F. J., 4125-27 Ravenswood Ave., Chicago. (Automatic Feeds for Punch Presses.)
Littell Machinery Co., 1229 Sprague, Spokane, Wash.
Litterer Bros. Mfg. Co., 734 N. Franklin St., Chicago.
Littig Construction Co., Davenport, Ia.
Little & Coffin Oil Co., foot of Boyd, Portland, Me.
Little & Preuss, advtg. signs, 309 E. 22d, New York.
Little & Robertson, steel mers. & tin plate, 2020 E. 37th, Los Angeles, Calif.
Little, A. P., Powers Bldg., Rochester, N. Y.
Little Androscoggin Water Power Co., cotton sheetings, Auburn, Me.
Little, Arthur D., Inc., chemists, 30 Charles River, Boston, Mass.
Little Bros. Fdy. Co., Port Huron, Mich.
Little Falls Felt Shoe Co., Little Falls, N. Y.
Little Falls Fibre Co., Little Falls, N. Y
Little Falls Paper Co., Newburgh, N. Y.
Little Giant Co., floor scrapers & surfacing machy., 511-513 Madison, Maywood, Ill.
Little Giant Co., agr. implts. & clothes reels, Mankato, Minn.
Little Giant Mfg. Co., pruning shears, Saugatuck, Mich.
Little Giant Punch & Shear Co., Sparta, Ill.
Little Giant Starter Co., auto self-starters, Canton, O.
Little Giant Washing Machine Co., 126 N. Union av., Chicago, Ill.
Little, Jos., spokes (wagon), Kennett, Mo.
Little, J. H., tubs—butter, Arlington, Ia.
Little, J. J., & Ives Co., 435 E. 24th St., New York.
Little, J. P., & Son, contrs., 500 Queens rd., Charlotte, N. C.
Little, John T., Co., hand-made flies, 110 Washington, Spokane, Wash.
Little, J. W., spokes, Paducah, Ky.
Little Lbr. Co., Anniston, Ala.

LITTLE METAL WHEEL CO., J R., Front & Cedar Sts., Quincy, Ill.
Pres.—George Govert.
Sec. & Mgr.—O. B. Williams.

Little Mfg. Co., The M. S., Hartford, Conn.
Little Mountain Oil Mill & Fertilizer Co., Little Mountain, S. C.
Little River Lumber Co., Townsend, Tenn.
Little River Redwood Co., Bulwinkle, Cal.
Little River Redwood Co., 112 Market, San Francisco, Calif.
Little Rock Furniture Mfg. Co., Little Rock, Ark.
Little Rock Lbr. Co., Little Rock, Ark.
Little Rock Mattress Co., Little Rock, Ark.
Little Rock Tent & Awning Co., Little Rock, Ark.
Little Rock Tent & Awning Co., Little Rock, Ark.
Little, Thos., & Son, contractors, 1713 Moravian, Philadelphia, Pa.
Little Whirlwind Mixer Co., 450 Gould St., La Crosse, Wis.
Little, Wm., concrete slag, Conshohocken, Pa.
Little Wolf River Lumber Co., Manawa, Wis.
Little Wonder Scaffolding Co., 816 W. Erie St., Chicago.
Littlefield-Corbett, furniture, Dept. H, Stockton, Calif.
Littlefield, H. A., & Co., armatures, West Lynn, Mass.

LITTLEFORD BROS., 444 E. Pearl St., Cincinnati, O.

Branch Offices:
MO.—St. Louis—C. F. Rabbeitt, Railway Exchange Bldg.
N. Y.—New York—Richard W. Tull, Mgr., 15 John St.

Distributors and Representatives:
CAL.—Los Angeles—The Brown-Bevis Co., Inc., 422 East Third St., 100-27.
San Francisco—Harron, Rickard & McCone, 139 Townsend St., Karny 2240.
COLO.—Denver—H. W. Moore & Co., 1761 Wazee Machinery Bldg., Main 5796.
FLA.—Jacksonville—M. D. Moody, Road Bldg. & Construction Machinery.
GA.—Atlanta—Edgar Alexander, 905 Fourth National Bank Bldg.

(Continued on following page)

LITTLEFORD BROS.—Continued.
ILL.—Chicago—H. P. Andresen & Co., 4450-56 Ravenswood Ave., Ravenswood 6424.
IND.—Indianapolis—Fuchs Equipment Co., 1003 Farnam St.
IA.—Davenport—C. H. Hubbell.
KY.—Louisville—Brandeis Machinery & Supply Co., 325 W. Main St., Main 330.
MD.—Baltimore—Thomas M. Brown, Knickerbocker Bldg., Plaza 3134.
MASS.—Boston—C. R. Dodge, 141 Milk St.
MO.—Kansas City—The Victor L. Phillips Co., 700 Delaware, Victor 8551.
N. Y.—Batavia—Robert N. Greene, 15 Fairmont Ave.
Kingston—Universal Road Machinery Co.
N. C.—Greensboro—E. F. Craven.
OKLA.—Oklahoma City—The Victor L. Phillips Co.
ORE.—Portland—Feenaughty Machinery Co., 309 E. Yamhill St., East 0509.
PA.—Philadelphia—Staley & Morris, Inc., 2009 Market St., Spruce 3787.
Pittsburgh—Brinker Supply Co., Park Bldg., Grant 2624.
S. C.—Spartanburg—Standard Machinery & Equipment Co.
S. D.—Sioux Falls—Western Materials Co.
TENN.—Memphis—Choctaw Culvert & Machy. Co., 514-516 Randolph St., Main 4396.
Nashville—Wilson, Weesner Company, 177 Second Ave., North.
TEX.—Dallas—W. A. Browning Machy. Co., 3025-31 Elm St.
Houston—R. B. Everett & Co., 3118 Harrisburg Blvd., Preston 1437.
UTAH—Salt Lake City—H. W. Moore & Co.
WASH.—Seattle—National Mchy. & Equip. Co., 90 Columbia St.

Littleford, Geo., Ibr., 1768 Central av., Cincinnati, Ohio.
Littlejohn, Odgers & Milne, granite, Barre, Vt.
Littlestown Hdwe. & Fdry. Co., Littlestown, Pa.
Littleton Lbr. Co., sashes, doors & blinds, Littleton, N. H.
Littleton, T. R., & Son, machsts. & fndrs., Fredericktown, Mo.
Liver, C. B., & Co., refrigerators, Omaha, Neb.
Livermore & Knight Co., advtg. spec., 36 Pine, Providence, R. I.
Livermore Brick & Tile Wks., Livermore, Ia.
Livermore Co., H. F., 100 Cummington St., Boston, Mass. (now Guaranteed Parts, Inc.)
Livermore Falls Pulp Co., see Parker Young Co. (successor).
Livermore Fire Brick Works, Niles and San Francisco, Calif.
Livermore, Norman B., & Co., machy. dlrs., 85 2d, San Francisco, Calif.
Livick, A. J., sash, doors & blinds, Staunton, Va.
Livingston & Co., J., 70 E. 45th St., New York.
Livingston, Jas., machsts. & fndrs., Marathon, N. Y.
Livingston Lbr. Co., Buck, Texas.
Livingston Mfg. Co., Rockland, Me.
Livingston Radiator Corp., airplane radiator, 75th & Amsterdam av., New York.
Livingston Roller Mill Co., flour, Livingston, Tenn.
Living-Stone Company, 1 E. Lee St., Baltimore, Md.
Llewellyn Iron Works, 1200 N. Main St., Los Angeles Cal.
Llewellyn-Smith Const. Co., M. & F. bldg., Glens Falls, N. Y.
Lloyd & Moore Canning Co., see Allen & Moore Canning Co. (successors).
Lloyd Bros. Co., Toledo, O.
Lloyd Co., mill & facty. supplies, Everett, Wash.

LLOYD CO., W. G., 626-636 S. Clark St., Chicago.
Sec.—Arthur J. Lloyd.

Lloyd-Garrett Co., elec. light fix. mfrs., 15th & Locust, Philadelphia, Pa.
Llyod, Geo. H., tin plate, metals, etc., 131 State, Boston, Mass.
Lloyd, H., Bldg. & Constr. Co., Odd Fellows bldg., St. Louis, Mo.
Lloyd, J. E., & Sons, carriages, Rockford, Ohio.
Lloyd Mfg. Co., Menominee, Mich.
Lloyd Metal Co., Houston, Tex.
Lloyd, Richard G., & Co., contractors, Utica, N. Y.
Lloyd, Sam'l, & Co., Ibr., Girard bldg., Philadelphia, Pa.
Lloyd, T. C., contractor, Oxford, Ohio.
Lloyd, W. H. S. Co., wall paper importers, 310 N. Michigan av., Chicago, Ill.
Lloyd Co., Wm. M., 29th & Sedgley Ave., Philadelphia, Pa.
Lloyds Packing Co., canned goods, Lloyds, Md.
Loafea, S., wash boilers, sheet metal stampings, 5740 Elizabeth, Oakland, Calif.
Lobb, C. A., & Sons, masons' & bldrs.' matls., Devon, Pa.
Lobb, Perry & Co., roofing slate mfrs., Danielsville, Pa.
Lobdell Car Wheel Co., Wilmington, Del.
Lobdell-Emery Mfg. Co., Onaway, Mich.
Lobee Pump & Machinery Co., 111 Dearborn St., Buffalo, N. Y.
Lober Radiator & Mfg. Co., 128 11th, Toledo, Ohio.
Loberg Milling Co., flour, Nelsonville, Wis.
Lobinger, Martin, contractor, Youngstown, Ohio.
Lobnitz Co., sash, door & blind, 1714-22 Cleneay av., Norwood, Ohio.
Lobo, Arthur, architect, 8 W. 33d, New York.
Locatelli, J. E., Co., contractors, 46 Cornhill, Boston, Mass.
Lock City Mfg. Co., Sault Ste. Marie, Mich.
Lock Co., H. & A., 243-44th St., Brooklyn, N. Y.
Lock Haven Fire Brick Co., see Stowe-Fuller Refractories Co. (successors).
Lock Haven Silk Co., umbrella cloth, Lock Haven, Pa.
Lock Joint Pipe Co., East Orange, N. J.
Lock Joint Pipe Co., Ampere, N. J.
Lock-Lite Mfg. Co., waste & garbage cans, Battle Creek, Mich.
Lock, Moore & Co., Ltd., Westlake, La.
Lock-Stub Check Co., 253 36th, Brooklyn, N. Y.
Locke & Black, fertilizer mfrs., Swedesboro, N. J.
Locke, A. W. S., masons' & bldrs.' matls., Eldorado, O.
Locke Coal Co., masons' & bldrs.' matls., Malden, Mass.
Locke Cotton Mills Co., Concord, N. C.
Locke, H. E., & Co., Inc., cotton thread, 99 Chauncey, Boston, Mass.
Locke Insulator Mfg. Co., The, Victor, N. Y.
Locke, L. E., & Son, contractors, Lawrence, Mass.
Locke Machine Co., screw mach. products, 1448 E. 49th, Cleveland, Ohio.
Locke Mach. Works, Bradford, Pa.
Locke, R. A., flour mills, Lynchburg, Tenn.
Locke Regulator Company, 76 North St., Salem, Mass.
Locke Sanitary Products Co., 96 1st, Portland, Ore.
Locke Steel Chain Co., Bridgeport, Conn.
Locke, Stevens & Co., 94 Warrenton, Boston, Mass.
Lockett & Co., A. M., New Orleans, La.
Lockett, A. M., & Co., Ltd., contractors, Houston, Tex.
Lockett Crimping Mach. Co., 77 Summer, Boston, Mass.
Lockhart, H. A., Central Park, Birmingham, Ala.
Lockhart-Hodge Co., Inc. (Safety Devices), White Bldg., Buffalo, N. Y.
Lockhart Iron & Steel Co., McKees Rocks, Pittsburgh, Pa.
Lockhart Oil & Gin Co., meal, Lockhart, Tex.
Lockhart, R. James, pipe grips, 201 Millvale, Pittsburgh, Pa.
Lock Haven Tire Brick Co., Lock Haven, Pa.
Lockland Lumber Co., Lockland, O.
Lockport Canning Co., Lockport, N. Y.
Lockport Central Sugar Refining Co., Lockport, La.
Lockport Chemical Works, Lockport, Ill.
Lockport Cotton Batting Co., Lockport, N. Y.
Lockport Felt Co., Newfane, N. Y.
Lockport Fdries. Corp., malleable iron castings, Lockport, N. Y.
Lockport Glass Co., milk jars & bottles, Lockport, N. Y.
Lockport Machine Co., paper bag machinery, Lockport, N. Y.
Lockport Paper Co., Lockport, N. Y.
Locktite Patch Co., 4196 Bellevue St., Detroit, Mich.
Lockwood & Almquist, 224 E. 42d, New York.
Lockwood & Strickland Co., 723 W. 49th Pl., Chicago.
Lockwood, Arth. J., steel struct'l dlrs., 260 West, New York.
Lockwood-Ash Motor Co., Jackson, Mich.
Lockwood, B. F., masons' & bldrs.' matls., Lyons, N. Y.
Lockwood-Brackett Co., 222 State St., Boston, Mass.
Lockwood Co., cotton sheetings, Waterville, Me.
Lockwood Co., wholesale hardware, 16 Reade, New York.
Lockwood, David T., stone producers, workers & dealers, 280 Broadway, New York.
Lockwood Green & Co., 1 Pershing sq., New York.
Lockwood, Greene & Co., architects, Piedmont bldg., Charlotte, N. C.
Lockwood-Greene & Co., architects, Healey bldg., Atlanta, Ga.
Lockwood, John B., cornices & skylights, North Manchester, Ind.
Lockwood Luetkemeyer Co., Henry, 725 Superior Ave., N. W., Cleveland, O.
Lockwood Mfg. Co., South Norwalk, Conn.
Loco Light Co., The, 139 S. East St., Indianapolis, Ind.
Locolized Lightning Corp., 542 W. 58th St., New York.
Locomobile Co. of America, 2 Main, Bridgeport, Conn.
Locomotive Appliance Co., Toledo, O.
Locomotive Co. of America, Bridgeport, Conn.
Locomotive Crane Co., The, Champaign, Ill.
Locomotive Feed Water Heater Co., 17 E. 42nd St., New York (now Superheater Co., New York).

LOCOMOTIVE FINISHED MATERIAL CO., THE, Atchison, Kans. (Consolidated with The John Seaton Foundry Co.).
Pres.—H. E. Muehnle.
V. P.—Clive Hastings.
Sec. & Treas.—G. I. Bromley.

LOCOMOTIVE FIREBOX CO., 310 S. Michigan Ave., Chicago.
Pres.—John L. Nicholson.
V. P. & Gen. Mgr.—A. A. Taylor.
V. P.—Leslie R. Pyle.
Consulting Engr.—C. A. Seley.
Mechanical Engr.—B. E. Larson.
Serv. Mgr.—C. M. Rogers.

LOCOMOTIVE LUBRICATOR COMPANY, 2443 Sheffield Ave., Chicago.
Pres.—W. J. Schlacks.
Treas. & Secy.—C. W. Rudolph.
Mech. Exp.—O. H Neal.

LOCOMOTIVE STOKER COMPANY, 30 General Robinson St., West, Northside, Pittsburgh, Pa.
Pres.—W. S. Bartholomew.
V. P. & Gen. Mgr.—D. F. Crawford.
Sec. & Treas.—L. V. Stevens.
Gen. Sales Mgr.—W. G. Clark.
Branch Offices:
D. C.—Washington—J. J. Byrne, Representative, Munsey Bldg.
ILL.—Chicago—A. N. Willsie, District Engr., Railway Exchange Bldg.
N. Y.—New York—O. B. Capps, Eastern Sales Mgr., 150 Broadway.

Locomotive Superheater Co., New York. (Now The Superheater Co.)
Locust Pin Co., Front Royal, Va.
Lodge Mfg. Co., machsts. & fndrs., S. Pittsburgh, Tenn.
Lodge, Martin P., stone producers, wkrs. & dlrs., 532 W. 44th, New York.
Lodge, W. F., masons' & bldrs.' matls., Monticello, Ill.
Lodge & Shipley Machine Tool Co., 3055 Colerain Ave. Cincinnati, O.
Lodwick Lumber Co., Shreveport, La.
Loeb, Ben S., Co., lunch boxes, 19 W. 23d, New York.
Loeb Hardware Co., Montgomery, Ala.
Loeb, Leopold, & Sons, masons' & bldrs.' matls., Morgan City, La.
Loeb, Marcus, & Co., overalls, Atlanta, Ga.
Loeber Co., Henry G., 151 E. 126th St., New York
Loeble, Herman G., cornices, Troy, N. Y.
Loeffelholz Company, 170 Clinton St., Milwaukee, Wis.
Loeffler, A., Provision Co., Bennings, D. C.
Loeffler, Louis J., 59 Bank St., New York.
Loeffler Machine Co., Sheboygan, Wis.
Loeffler, Theo. J. M., cornices & skylights, Toledo, O.
Loegler & Ladd, Inc., mill & factory supplies, 104 Terrace, Buffalo, N. Y.
Loehler, G. G., Co., contractors, Franklin Natl. Bank bldg., Washington, D. C.
Loehlein & Diezel, furn., 2811H Vermont av., Cleveland, Ohio.
Loehnberg, A., & Co., leather, Av. A, Newark, N. J.
Loeper, Anton, & Sons, store fixtures, Ashland, Pa.
Loesch, H. C., carriages, Colo. Springs, Colo.
Loescher, J., Tannery Co., harness lthr., Muskegon, Mich.
Loeser, John, & Co., mattresses, **1625 Wabash av.**, Chicago, Ill.
Loetscher & Burch Mfg. Co., sash, door & blind mfrs., Des Moines, Ia.
Loetscher-Ryan Mfg. Co., Rock Island, Ill.
Loetscher-Ryan Mfg. Co., see Klauer Mfg. Co., successors).
Loew Mfg. Co., 2100 Madison Ave., Cleveland, O.
Loewenbach, B., & Sons Co., loose leaf devices, 2005 Clybourn, Milwaukee, Wis.
Loewenstein & Sons, wholesale hardware, Charleston, W. Va.
Loewenthal Co., 247 W. 20th St., Chicago.
Loewenthal, Gustav, Co., sash, door & blind, Middletown, Conn.
Loew's, John A., Sons, cornices, Braddock, Pa.
Loffland Bros., machinists, Woodsfield, Ohio.
Logan & Gertz Construction Co., Elgin, Ill.
Logan & Whaley, cornices & skylights, Marshall, Tex.
Logan, A. F., & Co., contractors, Youngstown, Ohio.
Logan, A. J., Co., mattresses, 29th & Liberty, Pittsburgh, Pa.
Logan Carriage & Auto Co., Parkersburg, W. Va.
Logan Clay Product Co., Logan, O.
Logan Coal Co., bituminous, Harrison bldg., Philadelphia, Pa.
Logan Coal & Supply Co., masons' & bldrs.' matls., Jacksonville, Fla.
Logan Coal & Supply Co., 662 E. Bay, Jacksonville, Fla.
Logan County Cotton Oil Co., Paris, Ark.
Logan, Edw., Mach. Co., machsts., Trenton, N. J.
Logan Fdry. & Machine Co., Logan, Ohio.
Logan-Gregg Hdw. Co., 121 9th St., Pittsburgh, Pa.
Logan Hardware Co., Logan, W. Va.
Logan, J. W., & Sons Co., lumber, Parnassus, Pa.
Logan, Jas. T., contr., Medford, Ore.
Logan, John A. & W. B., masons' & bldrs.' matls., Paris, Ill.
Logan Lumber Co., J. M., Empire Bldg., Knoxville, Tenn.
Logan Machine & Mfg. Co., metal specialties, 126 S. Clinton, Chicago, Ill.
Logan Moore Lumber Co., City Club Bldg., Kansas City, Mo.
Logan Pottery Co., Logan, Ohio.
Logan, Swift & Brigham Envelope Co., 75 Grove, Worcester, Mass.
Logan, Wm. S., masons' & bldrs.' matls., Paris, Ill.
Logansport Boiler & Mach. Wks., Logansport, Ind.
Logansport Carriage Works, Logansport, Ind.
Logansport Furniture Co., Logansport, Ind.
Logansport Machine Co., Logansport, Ind.
Logansport Oxygen Co., Logansport, Ind.
Logansport Radiator & Equipment Co., Logansport, Ind.
Logansport Stone & Const. Co., Huntington, Ind.
Logeman Mfg Co., 10th & Mullenphy, St. Louis, Mo.
Logemann Bros. Company, Milwaukee, Wis.
Loggers & Contrs. Machy. Co., 70 4th, Portland, Ore.
Loggers Oil Equipment Co., fuel oil burners & spark arresters, 52 1st, Portland, Ore.
Loggie, A. & R., canned goods, Columbia Falls, Me., & Island Pond, Vt.
Logue, Chas., Building Co., 18 Tremont, Boston, Mass.
Logues Furniture Mfg. Co., 470 2d, Oakland, Calif.
Lohrey, Henry, meat packers, 2234 E. N. Side, Pittsburgh, Pa.
Lohrey Packing Co., meat, 2827 Mass., C. W., Cincinnati, Ohio.
Lohse Brick Co., Common, Seattle, Wash.
Lohse, M., & Son, masons' & bldrs.' matls., Boonville, Mo.
Lohse Patent Door Co., St. Louis, Mo.
Loisel, Jos., sash, door & blind mfrs., Cloquet, Minn.
Loiseaux, Joshua D., Lumber Co., Plainfield, N. J.
Loma Prieta Lumber Co., New Bank bldg., San Francisco, Calif.
Loma Ranch Co., canned goods, Fall Brook, Calif.
Lomar Armored Tire Co., Inc., Lemcke Annex, Indianapolis, Ind.
Lomax, Walter B., Monadnock bldg., San Francisco, Calif.
Lombard & Co., 236-38 A St., Boston, Mass.
Lombard & Ludwig, decorators, 309 14th, N. W., Washington, D. C.
Lombard Brick & Tile Co., Lombard, Ill.
Lombard Governor Co., Ashland, Mass.
Lombard Iron Works & Supply Co., Augusta, Ga.
Lombard, John T., lumber, Hastings, Mich.
Lombard Mach. Co., Worcester, Mass.
Lombard Traction Engine Co., machsts., Waterville, Me.
Lombard-White Co., clothes washing machines, 38 Harlow, Worcester, Mass.
Lombardi Constr. Co., Lincoln bldg., Philadelphia, Pa.
Lombardi Motor Car Co., battery connectors, Derby, Conn.
Lome & Co., M. R., 408 S. Dearborn St., Chicago.
Lomm Lbr. Co., Modoc Point, Ore.
Lomont & Co., Inc., Ft. Wayne, Ind.
Londelius & Sons Co., C. A., 847 W. 63rd St., Chicago.
London, Geo. G., Mfg. Co., shoe counters, Lynn, Mass.
London Guarantee & Accident Co., Insurance, 360 N. Michigan blvd., Chicago, Ill.
London Knitting Mills, sweaters, cardigans, etc., 1460 Bushwick, Brooklyn, N. Y.
London Mfg. Co., masons' & bldrs.' matls., London, Ky.
London, N., 31 Peck Slip, New York.
London Rolling Mill Co., Ltd., London, Ont., Can.
London-Savannah Naval Stores Co., Savannah, Ga.
London Steam Turbine Co., Troy, N. Y.
Lone Mountain Milling Co., flour, Lone Mountain, Tenn.
Lone Oak Oil Mill Co., Lone Oak, Tex.
Lone Star Culvert Co., Houston, Tex.
Lone Star Press Brick Co., Ferris, Tex.
Lone Star Shipbldg. Co., Beaumont, Texas.
Lone Star Tank Co., North Fort Worth, Tex.
Lonergan Co., J. E., 211-215 Race St., Philadelphia, Pa.
Loney, Samuel, & Co., masons' & bldrs.' matls., Walla Walla, Wash.

LONG & ALLSTATTER CO., THE, 4th & High Sts., Hamilton, O.
Pres.—Wm. N. Rumely.
V. P. & G. M.—F. Pierce Long.
Sec.—Lou A. Pfau
Treas.—Ralph E. Clark.
Factory Mgr.—D. Paul Long.

Long & Saunders Co., granite, S. Quincy, Mass.
Long & Sons, E. M., Cadiz, O.

LONG-BELL LUMBER CO., THE, Kansas City, Mo.
Chmn.—R. A. Long.
Pres.—M. B. Nelson.
1st V. P. & Gen. Sales Mgr.—M. B. Nelson.
2nd V. P.—J. H. Foresman.
3rd V. P.—J. D. Tennant.
Sec.—R. W. Stith.
Beaumont, Tex.
Chicago.
Cleveland, O.
Dallas, Tex.
Detroit, Mich.
Houston, Tex.
Indianapolis, Ind.
Lake Charles, La.
Lincoln, Neb.
Los Angeles, Cal.
Memphis, Tenn.
New Orleans, La.
New York.
Oklahoma City, Okla.
Pine Bluff, Ark.
Quitman, Miss.
St. Louis, Mo.
San Antonio, Tex.
Wichita, Kans.

Long Co., E G., 50 Church St., New York.
Long, A. G., fire apparatus, Portland, Ore.
Long Beach Brick Co., Long Beach, Calif.
Long Beach Glass Co., Long Beach, Calif.
Long Beach Iron & Wire Wks., 1101 W. 1st, Long Beach, Calif.
Long Beach Sheet Metal Wks., 117 Parker av., Long Beach, Calif.
Long-Bell Co., Ibr., Quitman, Miss.
Long-Bell Naval Stores Co., Doucette, Tex.
Long Bros., canned goods, Westover, Md.

Long Bros., machsts. & fndrs., Kokomo, Ind.

LONG, JR., CO., Chas. R. 630 E. Main St. Louisville, Ky.
Pres.—Chas. R. Long, Jr
V. P.—Harry Vissering, G. S. Turner, J. M. Monroe, W. H. Heckman.
Sec., Treas. & Gen. Mgr.—S. W. Russell.
Assts. Secy.—C. N. Anawalt, F. G. Zimmerman.
Supt.—Kenneth E. Clarke.
Asst. Supt.—L. R. Siverton.
Chicago—Harry Vissering, G. S. Turner, W. H. Heckman, F. G. Zimmerman.
Houston, Tex.—J. S. Lemley.
Louisville, Ky.—Chas. R. Long, Jr., S. W. Russell, J. M. Monroe, C. N. Anawalt, Kenneth E. Clarke, Kenneth E. Clarke, L. R. Siverton.

Long, C. W., brick, Washington, Ia.
Long, Clifford, brick, Columbus Junction, Ia.
Long Constr. Co., contrs., Rialto bldg., Kansas City, Mo.
Long Distance Spark Plug Co., 2616 2d av., Birmingham, Ala.
Long Distance Telephone Mfg. Co., So. Bend, Ind.
Long, E. C., engine pistons, 6335 E. Palmer, Detroit, Mich.
Long, F. R., W. G. Broadhurst Co., contractors, dock bldrs., Hackensack, N. J.
Long, Fred W., & Co., contractors, Realty bldg., Jacksonville, Fla.
Long Fruit Products Co., canned goods, 321 E. Yamhill, Portland, Ore.
Long Furn. Co., Dept. H, Hanover, Pa.
Long, Geo. A., Cabinet Co., Hanover, Pa.
Long, Geo., Contracting Co., 1st av. & 12th, Baltimore, Md.
Long Grate Bar Co., White bldg., Buffalo, N. Y.
L. I. Brick Co., Inc., 280 Madison av., New York.
Long Island Broom Works, Laurel Hill, N. Y.
Long Island Charcoal Co., 212-24th St., Brooklyn, N. Y.
Long Island Fdry. Co., L. I. City, N. Y.
Long Island Hdwe. Co., mill & factory supplies, 349-351 Jackson av., Long Island City, N. Y.
L. I. Knitting Mills Co., bathing suit mfrs., 335 Throop av., Brooklyn, N. Y.
L. I. Mach. & Marine Const. Co., ft. E. av., Long Island City, N. Y.
Long, J. B., brick, common, Jackson, Tenn.
Long, J. H., Machine Co., 394 Atlantic, Boston, Mass.
Long, J. K., & Son, contractors, Punxsutawney, Pa.
Long-Knight Lumber Co., 3760 E. St. Clair St., Indianapolis, Ind.
Long Lake Lumber Co., Grace & Nevada, Spokane, Wash.
Long-Landreth-Schneider Co., New Brunswick, N. J.
Long, Lewis, Hardware Co., Bessemer, Ala.
Long, M. D., stone producers, Brockton, Mass.
Long Mfg. Co., 2768 E. Grand Blvd., Detroit, Mich.
Long Mfg. Co., Walter, 1312 Muriel St., Pittsburgh, Pa.
Long, P. Beauregard, flour mills, Alaska, W. Va.
Long-Pasley Lbr. Co., Williston, Fla.
Long Pine Lbr. Co., Alexandria, La.
Long, R. H., Co., automobiles, Framingham, Mass.
Long, S. M., & Son, flour mills, Shelbyville, Ky.
Long Staple Cotton Gin Mfg. Co., The, Helena, Ark.
Long Syrup Refining Co., 16th & Division, San Francisco, Calif.
Long, T. C., stone producers, Allentown, Ohio.
Long-Thompson Co., masons' & bldrs.' matls., Knox, Ind.
Long-Turney Corp., rubber goods, 1920 E. Vernon, Los Angeles, Calif.
Long, W. H., flour mills, Howard, Pa.
Longacre Constr. Co., Widener bldg., Philadelphia, Pa.
Longaker, H. G., & Co., canned goods, Federalsburg, Md.
Longdin-Brugger Co., Second & Macy Sts., Fond du Lac, Wis.
Longeran, J. E., Co., 211 Race, Philadelphia, Pa.
Longest Bros. Co., automobile bldrs., Louisville, Ky.
Longfellow, A. W., lbr., Linden, Idaho.
Longford Co. of America, Cambridge, Mass.
Longman & Martinez, 54 Maiden Lane, New York.
Longmont Brick & Tile Co., Longmont, Colo.
Longmont Flour Mills, Longmont, Colo.
Longshore, James, trunks mfr., Sacramento, Calif.
Longview Cotton Oil Co., meal, fertz. mfrs., Longview, Tex.
Longview Lime Wks., Birmingham, Ala.
Longview Lime Wks., Longview, Ala.
Longview Mattress Co., Longview, Tex.
Longwell-Cummings Co., tablets & pads, Logansport, Ind.
Longworth, I. R., Co., spokes, Somerset, Ky.
Longyear Co., E. J., 700 Security Bldg., Minneapolis, Minn.
Lonoke Rice Mill Co., Lonoke, Ark.
Lonsdale Bros. contrs., Bryant bldg., Kansas City, Mo.
Lonsdale Co., shade cloth mfrs., 50 S. Main, Providence, R. I.
Lontz, S. C., & Sons, masons' & bldrs.' matls., 236 S. St. Louis bldg., South Bend, Ind.
Looby, Wm. H., paint brushes, Centerbrook, Conn.
Loogootee Fire Clay Products, Loogootee, Ind.
Look & Lincoln, machsts. & fndrs., Marion, Va.
Lookout Boiler & Mfg. Co., N. Chattanooga St., Chattanooga, Tenn.
Lookout Paint Mfg. Co., The, Volunteer State Life Bldg., Chattanooga, Tenn.
Lookout Planing Mills, cedar chests, E. Main, Chattanooga, Tenn.
Looman, W. J., cornices, 856 E. Gd. blvd., Detroit, Mich.
Loomis & Hart Mfg. Co., Pine St., Chattanooga, Tenn.
Loomis, C. H., & Sons Co., contrs., tools, 310 Jelliff av., Newark, N. J.
Loomis, J. H., & Sons, silos, Phoenix, N. Y.
Loomis, John S., Lumber Co., sash, door & blind mfrs., Baltic & Nevins, Brooklyn, N. Y.
Loomis Machine Co., Tiffin, O.
Loomis-Manning Filter Distributing Co., 37th & Reed Sts., Philadelphia, Pa.
Loomis-Sielaff Co., The, 6516 Morgan Ave., Cleveland, O.
Loomis, W. & H., Contracting Co., Lansford, Pa.
Loon Lake Lumber Co., Realty bldg., Spokane & Loon Lake, Wash.
Loonah Lumber Co., Sioux Falls, S. D.
Looney & Bloess Lumber Co., Sedella, Mo.
Loopost Binder Co., 225 E. 4th, Los Angeles, Calif.
Loops, Harry C., Successor to Burroughs & Sons, Geo., 424 E. Water St., Milwaukee, Wis.
Loos & Dilworth, lubrg. oils, paraffine wax, etc., 134 S. Front, Philadelphia, Pa.
Loos, Adam, 135-41 S. Erie St., Toledo, O.
Loos, E. D., machsts. & fndrs., Colby, Wis.
Loose, Chas. C., sash, door & blind, Myerstown, Pa.
Loose, Sam'l A., & Son, machsts. & fndrs., Hamburg, Pa.
Loper Bros., sash, door & blind mfrs., Port Jefferson, N. Y.
Loper, Eli, & Son, sashes, doors & blinds, Bridgeton, N. J.
Loper Fire Alarm Co., Stonington, Conn.
Loptein Bros., carriages, Sycamore, Ill.
Lorain Brass & Bronze Foundry Co., Lorain, Ohio.
Lorain Casting Co., Lorain, Ohio.
Lorain Coal & Dock Co., Huntington Bk. bldg., Columbus, Ohio.
Lorain Hardware Co. (whol.), Lorain, Ohio.
Lorain Lumber & Mfg. Co., Lorain, O.
Lorain Sand & Gravel Co., Lorain, Ohio.
Lorain Steel Co., Johnstown, Pa.
Loraine Car Co., Richmond, Ind.
Loraine Smelting & Refining Co., 25 N. Dearborn St., Chicago.
Loray Mills, sheeting, Gastonia, N. C.
Lord & Burnham Co., 208 S. La Salle St., Chicago.
Lord & Burnham, greenhouse heating apparatus, 30 E. 42d, New York.
Lord & Burnham Co., steam heaters, Little bldg., Boston, Mass.
Lord & Bushnell Co., 2424 Lafiin St., Chicago.
Lord & Caswell, coffins, etc., Skowhegan, Me.

LORD & THOMAS, 400 N. Michigan Ave., Chicago.

Lord Bowler Co., carbonizers & indigo mills, Cleveland, Ohio.
Lord Co., W. M., Union, N. H.
Lord Electric Co., 105 W. 40th St., New York.
Lord, F. T., Polish Co., Cambridge, Mass.
Lord, Geo. W., Co., boiler compounds, 3309 Old York rd., Philadelphia, Pa.
Lord, Hord Hdwe. Co., Knoxville, Tenn.
Lord, L. L., see Yonts, C. H., & Co. (successors).
Lord, Lee H., & Co., whol. lbr., Peoria, Ill.
Lord Lumber Co., hardwood doors, La Grange, Ill.
Lord Mfg. Co., elec. instr., lightning arresters, etc., 105 W. 40th, New York.
Lord Stone & Co., stoves, Otter River, Mass.
Lorentzen, H. K., sheet metal stamping, 60 Grand, New York.
Lorenz Bros. Co., contractors, 4540 W. Madison, Chicago, Ill.
Lorenz, Chas., cornices, 1018 Callowhill, Philadelphia, Pa.
Lorenz, Wm., Trunk Works, Inc., tool cases, 212 Marquette av., Minneapolis, Minn.
Lorenzen & Co., Chas. F., 523 W. Monroe St., Chicago.
Loretto Iron Co., ores, 1400 Fulton, Chicago, Ill.
Lorick & Lowrance, masons' & bldrs.' supplies, whol. hdwe. & mill supplies, Columbia, S. C.
Lorick Bros., 1519 Main St., Columbia, S. C.
Lorillard Refrigerator Co., Madison Ave. at 48th St., New York.
Lorimer & Gallagher Co., contractors, 118 N. La Salle, Chicago, Ill.
Lorimer Mfg. Co., phonographs, Troy, Ohio.
Lorimer Mach. Co., Ontario & Lawrence, Philadelphia, Pa.
Loring, Sanford, machst. & fndr., Coldwater, Mich.
Lorio, Jacob, sweaters, etc., Dedham, Mass.
Lorraine Car Co., ambulances, Richmond, Ind.
Lorraine Gas & Oil Separator Co., Washington bldg., Los Angeles, Calif.
Los Alamitos Sugar Co., Los Alamitos, Calif.
Los Angeles Addressing & Mailing Co., 120 E. 9th, Los Angeles, Calif.
Los Angeles Architectural Designers, architects, Union Bank bldg., Los Angeles, Calif.
Los Angeles Art Glass Co., leaded glass, 1733 S. Los Angeles, Los Angeles, Calif.
Los Angeles Basket Co., 774 Market, Los Angeles, Calif.
Los Angeles Bldg. & Contrg. Co., Marsh-Strong bldg., Los Angeles, Calif.
Los Angeles Brass Foundry, 1535 E. 16th, Los Angeles, Calif.
Los Angeles Brick Co., 503 Security Bldg., Los Angeles, Cal.
Los Angeles Brush Mfg. Co., 716 Towne av., Los Angeles, Calif.

LOS ANGELES CAN CO., 303 San Fernando rd., Los Angeles, Calif.

Los Angeles Carbonic Co., 514 Molino, Los Angeles, Calif.
Los Angeles Casket Co., 639 Banning, Los Angeles, Calif.
Los Angeles Concrete Tile Co., Monterey Park, Calif.
Los Angeles Creamery Auto & Machine Co., 1020 Towne av., Los Angeles, Calif.
Los Angeles Cushion Drop Ladder Co., 111 Mesnanger, Los Angeles, Calif.
Los Angeles Cut Glass Co., 618 San Pedro, Los Angeles, Calif.
Los Angeles Dredging Co., ft. Water, Long Beach, Calif.
Los Angeles Fertilizer Co., 2643 E. Edwin, Los Angeles, Calif.
Los Angeles Fireproof Door Co., 805 E. 31st, Los Angeles, Calif.
Los Angeles Fire Works Co., 410 E. 3d, Los Angeles, Calif.
Los Angeles Foundry Co., 2444 S. Alameda, Los Angeles, Calif.
Los Angeles Furn. Co., Dept. H, Los Angeles, Calif.
Los Angeles Galvanizing Co., 602 Mater, Los Angeles, Calif.
Los Angeles Heavy Hdwe. Co., 218 N. Los Angeles, Los Angeles, Calif.
Los Angeles Iron & Steel Co., 820 Santa Fe av., Los Angeles, Calif.
Los Angeles Ladder Co., Los Angeles, Calif.
Los Angeles Lime Co., masons' matls., 1522 Bay, Los Angeles, Calif.
Los Angeles Lumber Products Co., San Pedro, Calif.
Los Angeles Machine Works, spec., 316 Azusa, Los Angeles, Calif.
Los Angeles Mfg. Co., tanks, etc., 2500 Lenard, Los Angeles, Calif.
Los Angeles Olive Growers' Assn., canned, Los Angeles, Calif.
Los Angeles Paper Box Co., 3324 S. Main, Los Angeles, Calif.
Los Angeles Paper Mfg. Co., 1633 N. San Pablo, Los Angeles, Cal.
Los Angeles Paving Co., Inc., contrs., 2900 Santa Fe av., Los Angeles, Calif.
Los Angeles Planing Mill, 1800 Industrial, Los Angeles, Calif.
Los Angeles Pressed Brick Co., Frost Bldg., Los Angeles, Calif.
Los Angeles Pump & Supply Co., oil well supplies, 500 E. 11th, Los Angeles, Calif.
Los Angeles Rubber Co., mill factory supplies, Los Angeles, Calif.
Los Angeles Rubber Stamp Co., 15th & S. Los Angeles, Los Angeles, Calif.
Los Angeles Saddlery & Finding Co., Los Angeles, Calif.
Los Angeles Screen Co., 314 W. 58th, Los Angeles, Calif.
Los Angeles Shipbuilding & Drydock Corp., Smiths Island, San Pedro, Calif.
Los Angeles Smelting Co., babbitt & solder, 739 N. Main, Los Angeles, Calif.
Los Angeles Soap Co., 599 2d, Los Angeles, Calif.
Los Angeles Spring Bed Co., 730 E. 60th, Los Angeles, Calif.
Los Angeles Spring & Forge Co., auto bumpers, 1948 S. Los Angeles, Los Angeles, Calif.
Los Angeles Stone Co., see Union Rock Co. (successor).
Los Angeles Telescope Co., Los Angeles, Calif.
Los Angeles Trailer Co., 1328 Palmetto St., Los Angeles, Cal.
Los Angeles Tuna Canning Co., Long Beach, Calif.
Los Angeles Utility Mfg. Co., 215 E. Washington, Los Angeles, Calif.
Los Angeles Valve & Fittings Co., 2741 Compton, Los Angeles, Calif.
Los Angeles Valveless Pump Co., 316 E. 3rd, Los Angeles, Calif.
Los Angeles Wall Bed Co., 750 Castelar, Los Angeles, Calif.
Los Angeles Weightless Sash Pulley Co., 1049 E. Slauson, Los Angeles, Calif.
Los Angeles Wire & Iron Works, folding gates, machy., guards, etc., 914 E. 9th, Los Angeles, Calif.
Lose, W. S., Co., contrs., Wilkinsburg, Pa.

LOSEY & CO., INC., whol. hdwe. & mill & facty. supplies, Easton, Pa.

Loshbough-Jordan Tool & Machine Co., Elkhart, Ind.
Loth, Joseph, & Co., woven labels, Norwalk, Conn.
Loth Stove Co., W. J., Waynesboro, Va.
Lothman Cypress Co., ft. of Angelica, St. Louis, Mo.
Lothrop, F. B., Co., ferrules, South Acton, Mass.
Lothrop, H. A., & Co., cutlery, Sharon, Mass.
Lothrop, L. D., & Son, fish hooks, fog horns, Gloucester, Mass.
Lott Co., The K. F., 504 Brokerage Bldg. (Building Materials), St. Paul, Minn.
Lotter Bros. Mfg. Co., machsts. & fndrs., Seymour, Wis.
Lottman, C. F., & Sons, mattresses, Houston, Tex.
Lotus Cut Glass Co., Barnesville, Ohio.
Lotz, August, & Co., bee keepers' supplies, Boyd, Wis.
Lotz, Philip, & Co., contractors, 4527 Malden, Chicago, Ill.
Lotze's, A., Sons Co., laundry dryers, 1640 Vine, Cincinnati, Ohio.
Louber & Co., J. C., South Bend, Ind.
Loucks & Clarke Corp., contractors, Wallingford, Conn.
Louck & Hill Co., Richmond, Ind.
Louden & Hill, 62d Arch St., Philadelphia, Pa.
Loucks, Elmer E., carriages, Schenectady, N. Y.
Loucks Hardware Co., Scottsdale, Pa.
Loucks, J. H., lbr., Colville, Wash.
Loud, H. M., Sons Co., ties, poles, etc., Osceola, Mich.
Loud Mfg. Co., lbr., Springfield, Ore.
Louden Machine Works, Lebanon, Pa.
Louden Machy. Co., The, Fairfield, Ia.
Loudenslager, H., Fdry. Co., 465 S. Canal, Columbus, Ohio.
Louderback, A. E., varnish mfrs., 75 Murray, New York.
Loudoun Valley Milling Co., flour, Purcellville, Va.
Louer Co., W. B., 11 E. Harrison St., Chicago.
Lough Brothers, 90 West St., New York.
Louis Automobile & Wagon Co., 314 W. Court St., Cincinnati, O.
Louis Co., O. T., 70 Fifth Ave., New York.
Louis, Hy. D., packing box mfrs., Leadenhall & B. & O. R. R., Baltimore, Md.
Louis, Jno. C., contrs., tools & supp., 31 S. Howard, Baltimore, Md.
Louis, Jno. C., contrs.' tools & supp., 221 S. Eutaw, Baltimore, Md.
Louise Lumber Co., Lexington, Ky.
Louisiana Building & Contr. Co., see Orleans Demolishing & Supply Co. (successor).
Louisiana Central Lumber Co., Clarke, La.
Louisiana Cooperage Co., Plaquemine, La.
Louisiana Creosoting Co., Winnfield, La.
Louisiana Cypress Lumber Co., Harvey, La.
Louisiana Distillery Co. (Ltd.), 865 S. Peters, Harvey, La.
Louisiana Fibre Board Co., Bogalusa, La.
Louisiana Glass & Mirror Works, 309 Lafayette, New Orleans, La.
Louisiana Grain & Milling Co., Ltd., Lake Charles, La.
Louisiana Long Leaf Lumber Co., Fisher, La.
Louisiana Lumber Company, Cairo, Ill.
Louisiana Lumber Co., Bogalusa, La.
Louisiana Metal Cabinet Works, emblems, booths, junction boxes, letters, signs, etc., New Orleans, La.
Louisiana Motor Car Co., Inc., Shreveport, La.
Louisiana Oil Refining Corp., Shreveport, La.
Louisiana Red Cypress Co., New Orleans, La.
Louisiana Red Cypress Lumber Co., Wichita, Kans.
Louisiana Saw Mill Co., Glenmora, La.
Louisiana State Rice Milling Co., Montegut & Chartress, New Orleans, La.
Louisiana State University, Engng. Schools & Coll., Baton Rouge, La.
Louisville Auto Supply Co., spark plugs, Louisville, Ky.
Louisville Axe & Tool Co., Highland Park, Ky.
Louisville Bedding Co., 351 E. Market St., Louisville, Ky.
Louisville Brick & Tile Co., Louisville, O
Louisville Bridge & Iron Co., Louisville, Ky.
Louisville Car Wheel & Railway Supply Co., 615 Shipp St., Louisville, Ky.
Louisville Cement Co., Speed Blvd., Louisville, Ky.
Louisville Cereal Mill Co., flour mills, Louisville, Ky.
Louisville Coal & Coke Co., Goodwill, W. Va.
Louisville Cornice & Roofing Co., Louisville, Ky.
Louisville Cotton Mills, 1313 McHenry St., Louisville, Ky.
Louisville Drying Machy. Co., Baxter & Hull Sts., Louisville, Ky.
Louisville Elec. Mfg. Co., drilling machinery, 31st & Magazine, Louisville, Ky.
Louisville Fertilizer Co., Louisville, Ky.
Louisville Fdry. Co., Louisville, Ohio.
Louisville Fire Brick Wks., Highland Park, Ky.

LOUISVILLE FROG & SWITCH CO., INC., 30th & High Sts., Louisville, Ky.
Pres. & Gen. Mgr.—F. W. Carter.
Sec. & Treas.—H. O. Wisland.
Gen. Supt.—C. A. Boyd.
Chicago—1770 Old Colony Bldg., E. A. Mann.
Louisville, Ky.—30th & High Sts., C. A. Boyd, E. D. Morton & Co. (mine track material)
Roanoke, Va.—1st National Bank Bldg., J. R. Hayward.
Savannah, Ga.—P. O. Box 501, John J. McDonough, Jr.
Washington, D. C.—606 Pennsylvania Ave., N. W., T. F. Carlin.

Louisville Lead & Color Co., 223 N. 15th St., Louisville, Ky.
Louisville Machine Co., The, Louisville, O.
Louisville Paint Mfg. Co., Louisville, Ky.
Louisville Pillow Co., see Louisville Bedding Co. (successors).

Louisville Planing Mill Co., Beech & Woodland, Louisville, Ky.
Louisville Point Lumber Co., 1146 Fulton, Louisville, Ky.
Louisville Pottery Co., Floyd & Bloom av., Louisville, Ky.
Louisville Provision Co., meat packers, Louisville, Ky.
Louisville Red Cypress Co., New Orleans, La.
Louisville Soap Co., Shelby & Ormsby, Louisville, Ky.
Louisville Tin & Stove Co., whol. hdwe., Louisville, Ky.
Louisville Varnish Co., 14 & Maple St., Louisville, Ky.
Louisville Veneer Mills, 1100 Fulton St., Louisville, Ky.
Lounsberry & Bissell Co., wood felts, Winnipauk, Conn.
Lounsberry, A. P., artificial leather & upholsterers' tacks, 15 W. 5th, Cincinnati, Ohio.
Loup Creek Colliery Co., coal mine, Page, W. Va.

LOURIE HYDRAULIC PRESS CO., Springfield, Ill.
Pres.—H. M. Lourie.

Louthan Mfg. Co., East Liverpool, O.
Loutre Lumber Co., Cargile, Ark.
Love & Deuter Mach. Wks., 3030 S. Main, Los Angeles, Calif.
Love, Boyd & Co., Ft. of S. 2nd St., Nashville, Tenn.
Love Bros., brass, grey iron & mach. castings, Aurora, Ill.
Love Bros. (Inc), Aurora, Ill.
Love Fdry. & Mach. Co., Winchester, Ky.
Love, J. P., stone producers, Webster, Mass.
Love, Jos. V., & Co., rubber stamps, stencils, Galveston, Tex.
Love, M. A., Mfg. Co., see Ward-Love Pump Corp. (successors).
Love Mfg. Co., M. A., Rockford, Ill.
Love Mfg. Co., machsts. & fndrs., Corry, Pa.
Love Piket & Nulsen Co., heating contr., 1640 Vine, Cincinnati, Ohio.
Love Thompson Co., whol. hdwe., 209 1st av., Pittsburgh, Pa.
Love Wagon Co., Durant, Miss.
Lovegrove Milling & Feed Co., flour, Charlottesville, Va.
Lovejoy & Son, D., Lowell, Mass.
Lovejoy, C. H., Chaplet Co., Cambridge, N. Y.
Lovejoy Granite Co., Milford, N. H.
Lovejoy Tool Company, Inc., Springfield, Vt.

LOVEJOY TOOL WORKS (Railroad and Boilermakers' Supplies), 319 W. Ohio St., Chicago.
Pres.—W. H. Dangel.
V. P.—Tom Brown.
Secy. & Treas.—M. W. Dangel.

Lovejoy Planing Mill Co., sash, door & blind mfrs., 823 E. 17th, Kansas City, Mo.
Lovejoy, R. N., carriages, North Chesterville, Me.
Lovekin Water Heater, 39 Laurel, Philadelphia, Pa.

LOVEKIN CORP., THE R. E., 10 S. 18th St., Philadelphia, Pa.

Lovekin Pipe Expanding & Flanging Machine Co, 421 Chestnut St., Philadelphia, Pa.
Loveland, A. C., & Co., scrap rubber, 340 N. Front, Hartford, Conn.
Loveland, J. E., masons' & bldrs.' matls., Moscow, Pa.
Loveland, L. H., Co., picker sticks, Rumney, N. H.
Loveland, Wm. H., Co., toilet articles, Binghamton, N. Y.
Loveless, L. W., Mfg. Co., razor strops, Lafayette, Ind.
Lovell & Co., F. H. (Brass & Copper Gds.), Forest St., Arlington, N. J.

LOVELL, ALFRED, 619 Harrison Bldg., Philadelphia, Pa.

Lovell-McConnell Mfg. Co., Grove, Bloomfield, Newark, N. J.
Lovell Mfg. Co., clothes wringers, Erie, Pa.
Lovell, W. D., contr., 1415 E. 8th, Minneapolis, Minn.
Lovett, Solon, boot & shoe counters, Beverly, Mass.
Lovewell-Henrici Co., laundry machy. & screw presses, Chelsea, Mass.
Lo Vis Co., can openers, Kalamazoo, Mich.
Lovsted & Co., C. M., 316-1st St., S., Seattle, Wash.
Lovvorn, W. J., flour mills, Cedartown, Ga.
Low Bros. & Co., Lime Ridge, Pa.

LOW COMPANY, INC., F. J., 15 W. 44th St., New York.

Low Moor Iron Co. of Va., Low Moor, Va.
Low, F. Elliot, & Co., mill & facty. supplies, Paterson, N. J.
Low, N. S., & Co., surgical instruments, 44 Ave. A, New York.
Lowden, G. W., canned goods, Savannah, Ga.
Lowden, Jas. W., Forge Shop, 7 Zeno pl., San Francisco, Calif.
Lowe & Co., Perley, 332 S. Michigan Ave., Chicago.
Lowe Brothers Co., The, 450-452 East Third St., Dayton, O.
Lowe Bros. Mach. & Engine Works, Columbus, Ohio.
Lowe, E. E., & Co., lumber, Atlanta, Ga.
Lowe, Earl E., Co., contrs., 2041 E. 38th, Los Angeles, Calif.
Lowe, Geo. A., Co., whol. hdwe., mill & facty. supp., masons' & bldrs.' matls., Ogden, Utah.
Lowe, Hy. A., test indicators, 1874 E. 66th, Cleveland, Ohio.
Lowe Heater Wks., 1104 Mission, South Pasadena, Calif.
Lowe-Hord Hardware Co., fertilizer, 401-4 Wall, Knoxville, Tenn.
Lowe Lbr. Co., bldrs.' mtls., H, S. Main, Mishawaka, Ind.
Lowe Mfg. Co., parers—hoof, Enderlin, N. D.
Lowe Motor Supplies Co., 1721 Broadway, New York.
Lowe Supply Co., S. C., 87 Union Ave., New Bedford, Mass.
Lowe, T. F., machinist, Buford, Ga.
Lowe, T. J., fertilizer, Mableton, Ga.
Lowekamp Bros., canned goods, Jessups, Md.
Lowell Bldg. & Supply Co., contrs., baskets, hampers, crates, bldg. matls., sash mfrs., etc., Lowell, Ohio.
Lowell Canning Co., Lowell, Wis.
Lowell Crayon Co., Lowell, Mass.
Lowell Cutter Co., carriage bodies & seats, Lowell, Mich.
Lowell Equipment Mfg. Co., tire & tube vulcanizers, Lowell, Mass.
Lowell Felt Co., Lowell, Mass.
Lowell Fertilizer Co., 40 N. Market St., Boston, Mass.
Lowell Furnace Co., Lowell, Mass.
Lowell Insulated Wire Co., Lincoln St., Lowell, Mass
Lowell-Meservey Hardware Co., Colorado Springs, Colo.
Lowell Paper Tube Corp., Lowell, Mass.
Lowell Planing Mill Co., see Lowell Building & Supply Co. (successor).
Lowell Rendering Co., soap, Lowell, Mass.
Lowell Shuttle Co., Lowell, Mass.
Lowell Specialty Co., Lowell Mich.
Lowell Textile Co., towels, North Chelmsford, Mass.
Lowell Waste Co., Lowell, Mass.
Lowell Weaving Co., Lowell, Mass.

LOWELL WRENCH CO., 54 Commercial St., Worcester, Mass.
Gen. Mgr.—John H. Dodge.
New York.—18 Reade St., A. W. Secor.
San Francisco, Cal.—57 California St., F. Somers Petrson Co.

Lowener, V., (Mach. Tools), 114 Liberty St., New York.
Lowenhein's, A., & Sons, furniture, 537 5th av., New York.
Lowenthal Co., scrap iron, 947 W. 20th, Chicago, Ill.
Lowenthal, Max, & Sons, gloves, sweaters, Rochester, N. Y.
Lowenthal, W., & Co., cotton batting, Cohoes, N. Y.
Lower California Fisheries Co., canned gds., San Diego, Calif.
Lower Vein Coal Co., Terre Haute, Ind.
Lowerator Co., Inc., 110 Pearl St., Brooklyn, N. Y.
Lowinson, Oscar, 175 5th av., New York.
Lowman & Hanford Co., 1st & Cherry Sts., Seattle, Wash.
Lowman Construction Corp., Elmira, N. Y.
Lown & Son, buckets, churns, pails, etc., Poughkeepsie, N. Y.
Lown, David A., Co., architects, Central Trust bldg., San Antonio, Tex.
Lowndes & Butler, machinists, Norristown, Pa.
Lowndesville Cotton Oil Co., meal, fertz. mfrs., Lowndesville, S. C.
Lowres, G. J., & Co., optical goods mfrs., 344 Mulberry, Newark, N. J.
Lowrey Wagon Wks., Augusta, Ga.
Lowrie & Robinson Lumber Co., sash, door & blind, 2569 Jefferson av. W., Detroit, Mich.
Lowrie Safe & Lock Mfg. Co., 400 N. Oakley blvd., Chicago, Ill.
Lowris & Robinson Lbr Co., 2346 W. Warren Ave., Detroit, Mich.
Lowry Co., Atlanta, Ga.
Lowry, Curtis W., potteries, Roseville, Ohio.
Lowry, F. S., Pottery Co., Roseville, Ohio.
Lowvill Machine & Vise Co., Inc., Lowville, N. Y.
Lowy, D., & Co., scrap iron & steel, 162 Le Roy, New York.
Loy & Nawrath Co., Derby, Conn.
Loyal Brass Co., 1122 St. Clair Ave., Cleveland, O.
Loyal Hanna Coal & Coke Co., Loyal Hanna, Pa.
Loyd, C. E., sashes, 373 E. 2d, Los Angeles, Calif.
Loyd Co., John, 1 Franklin St., New York.
Loyd, H. C., canned goods, Goodview, Va.
Loyd Mfg. Co., shock absorbers, 3664 Broadway, Oakland, Calif.
Loy-Lange Box Co., pckg. box mfrs., 3d & Russell, St. Louis, Mo.
Loyster, James A., platen presses, 30 Church, Cazenoia, N. Y.
Lozier, Ad-Service, advertising counsellors, 508 S. Dearborn, Chicago, Ill.
Lozier, Inc., Harry, Albany, N. Y.
Lubbers & Bell Mfg. Co., chair seats & fly swatters, Clinton, Ia.
Lubec Sardine Co., canned, Lubec, Me.
Lubnow Mfg. Co., mach. screws, 592 1st av., Milwaukee, Wis.
Lublin, B., & Son, scrap rubber, 240 Village, Hartford, Conn.
Lubricating Metal Co., 976 Newark av., Jersey City, N. J.
Lubricating Metal Co., 565 Fifth Ave., New York.
Lubrication World, trade publication, Monadnock bldg., Chicago, Ill.
Lubron Co., packing mfrs., Everett, Mass.
Luby, Wm. J., stone producers, Meriden, Conn.
Lucas & Co., Inc., John, 322 Race St., Philadelphia, Pa.
Lucas & Son, Inc., J. L., 3 Fox St., Bridgeport, Conn.
Lucas & Sons, A., Cedar & Washington Sts., Peoria, Ill.
Lucas Bros., flour mills, Shinnston, W. Va.
Lucas, Chas. H., fine tools, 158 Alder, Waltham, Mass.
Lucas, Chas. O., & Co., rotary bake ovens, Dayton, O.
Lucas Company, Robert M., 1955 W. 31st St., Chicago.
Lucas, D. A., & Co., architects, 2224 E. 19th, Brooklyn, N. Y.
Lucas, H. N., cornices, Negaunee, Mich.
Lucas, I. L., brick, Dover, N. H.
Lucas, J. Craig, sash, door & blind, Brookville, Pa.
Lucas Land & Lumber Co., Paducah, Ky.
Lucas Mach. Co., sand papering, Jamestown, N. Y.
Lucas Machine Tool Co., E. 99th St. and L. S. & M. S. Ry., Cleveland, O.
Lucas Pump & Tool Co., 427 Valley St., Dayton, O.
Lucas Supply & Equipt. Co., electric supplies, 109 N. George, York, Pa.
Lucas Tag Co., West Chester, Pa.
Lucas-Tuttle Mfg. Co., school rulers, Silver Springs, N. Y.
Lucas-Wallace Mfg. Co., carburetors, Paducah, Ky.
Luce Furn. Co., Dept. H, Grand Rapids, Mich.
Luce, Geo. D., see Bach, David, & Co. (successors).
Luce-Redmond Chair Co., Ltd., Dept. H, Big Rapids, Mich.
Luce Trunk Factory, 1026 Maine, Kansas City, Mo.
Lucey Foundry & Mach. Co., see Lucey Mfg. Co. (successors).
Lucey Manufacturing Corporation, Chamber of Commerce Bldg., Pittsburgh, Pa.
Luchte, Jos. L., mach. & fdr., Greensburg, Ind.
Lucik, A., furniture, Dept. H, New Albany, Ind.
Lucius Mfg. Co., Inc., Massillon, Ohio.
Lucius Mfg. Co., Uhrichsville, O.
Luck Envelope Co., Chas. H., 701-3 S. La Salle St., Chicago.
Luckel King & Cake Soap Co., 642H Hood, Portland, Ore.
Luckenbach, D. & A., flour mills, Bethlehem, Pa.
Luckhardt, C. A., Co., assayers, 53 Stevenson, San Francisco, Calif.
Luckhardt, C. A., Co., assayers, 627 Commercial, San Francisco, Calif.
Lucy, G. R., & Co., soap, 100 San Bruno, San Francisco, Calif.
Ludeman, Edwin H., mach'y, 165 Broadway, New York.
Luden, J. J. W., & Co., mill & factory supplies, Charleston, S. C.
Luders Marine Constr. Co., motor boat, launch & yacht bldrs., Stamford, Conn.
Ludington Cigarette Mach. Co., 186 Waterton Ave., Waterbury, Conn.
Ludington, J., & Co., canned goods, 2211 Boston, Baltimore, Md.
Ludington Lumber Co., Ludington, La.
Ludington, N., Co., masons' & bldrs.' matls., Marinette, Wis.
Ludington's Sons, Inc., I. M., 124 Powers Bldg., Rochester, N. Y.
Ludlow & Squier, mill & fcty. supplies, 97 Market, Newark, N. J.
Ludlow, Jas. T., refrigeration engnrs., 460 Montgomery, San Francisco, Calif.

Ludlow Letter Service, 308 Peoples' Bank Bldg., Buffalo, N. Y.
Ludlow, L. V., & Co., masons' & bldrs.' matls., Far Hills, N. J.
Ludlow Mfg. Associates, 111 Devonshire St., Boston, Mass.
Ludlow Mfg. Co., Ludlow, Ky.

LUDLOW-SAYLOR WIRE CO., THE, 600-640 S. Newstead Ave., St. Louis, Mo.
Pres.—Guilford Duncan.
V. P. & Gen. Mgr.—Frank Low.
V. P. & Gen. Sales—E. J. Gould.
Sec. & Treas.—D. I. Meier.

Ludlow Valve Mfg. Co., Foot of Adams St., Troy, N. Y.
Ludlow Valve Mfg. Co., machsts. & fdrs., 112 Water, Boston, Mass.
Ludlum Steel Co., Watervliet, N. Y.
Ludorf, H. H., architoect, 122 Main, New Britain, Conn.
Ludowici Celadon Co., 104 S. Michigan Ave., Chicago.
Ludvigsen Bros., Jackson, Minn.
Ludwig & Co., pianos, 136th & Willow av., New York.
Ludwig, A., & Co., brass goods mfrs., 75 Spring, New York.
Ludwig, L. O., starch mfr., Cary, Me.
Ludwig Piano Co., 1103 Chestnut, Philadelphia, Pa.
Ludy, J. W., cornices & skylights, Zanesville, O.
Luecders, Geo., & Co., soap colors & oils, 427 Washington, New York.
Luedinghaus Bros., lumber, Dryad, Wash.
Luedinghaus-Espenschied Wagon Co., 1721 N. Broadway, St. Louis, Mo.
Luehrmann Hardwood Lumber Co., Chas. F., 148 Carroll St., St. Louis, Mo.

LUEHRS CO., THE, industrial engineers, 118 St. Clair Ave., N. E., Cleveland, Ohio.

LUEHRS ELECTRIC HEATING CO., furnaces, heaters, ovens, etc., 118 St. Clair Ave., N. E., Cleveland, O.

Luenzmann, Frank, Co., bldg. contrs., 1912 Prairie, Milwaukee, Wis.
Luer Bros. Packing & Ice Co., meat packers, Alton, Ill.
Luetke, Oscar, architect'l & ornament. iron, 1350 Broadway, New York.
Luetkemeyer Co., The, 725 Superior Ave., N. W., Cleveland, O.
Lufkin, C. F., tackle blocks, Gloucester, Mass.
Lufkin Fdry. & Mach. Co., Lufkin, Tex.
Lufkin, John W. & R. H., 38 Chardon, Boston, Mass.
Lufkin Land & Lumber Co., Lufkin, Tex.

LUFKIN RULE CO., THE, Saginaw, Mich..Page 1359

Lugar, C. W., canned goods, Troutville, Va.
Lugger, F. W., & Son, machinists, Delaware, O.
Luhring Lumber Co., ready cut & sectional houses, 15 Morton, Evansville, Ind.
Luick Bros. & Co., Ann Arbor, Mich.
Luitink & Sons Mfg. Co., machsts., 775 18th av., Milwaukee, Wis.
Luitwieler Pumping Engine Co., 715 N. Main St., Los Angeles, Cal.
Luitwieler Pumping Engine Co., 119 Ames St., Rochester, N. Y.
Lukens & Yerkes, St. Girard Bldg., Philadelphia, Pa.
Lukens Metal Co., Thos. F., 1105 Fairmont Ave., Philadelphia, Pa.
Lukens Milling Co., flour, Atchison, Kan.
Lukens Steel Co., Coatesville, Pa.
Lukes, Wm., hdwe. mfr., 857 S. 19th, Newark, N. J.
Lukomski Bros., plumbers' supplies, 2480 East Grant blvd., Detroit, Mich.
Luley Abattoir Co., meat packers, St. Paul, Minn.
Lull Carriage Co., delivery & spring wagons, Kalamazoo, Mich.
Lum, Geo. E., machst., 1923, 16th av., Birmingham, Ala.
Lum Hdwe. & Plbg. Supply Co., mill & factory supplies, Norfolk, Va.
Lum, L. C., masons' & bldrs.' matls., Barker, N. Y.
Lum Machinery Co., Montgomery, Ala.
Lum, Wm. H., & Son, cut glassware, 508 Broome, New York.
Lumber & Supply Co., masons' & bldrs.' matls., Logan, Ohio.
Lumber Mfg. Co., Gainesville, Fla.
Lumber Mfrs. Ass'n, Centralia, Wash.
Lumber Mineral Co., Arbo, Miss.
Lumber Products Co., bee hives & ladders, 1454 MacAdam, Portland, Ore.
Lumber Transit Co., Centralia, Wash.
Lumber World Review, trade publications, 608 S. Dearborn, Chicago, Ill.
Lumbermen's Service Assn., architects, 326 W. 3rd, Los Angeles, Calif.
Lumberman's Supply Co., Topeka, Kan.
Lumbs, Levi, Son, masons' & bldrs.' matls., Poughkeepsie, N. Y.

LUMEN BEARING CO., 200 Lathrop, Buffalo, N. Y.

Luminite Co., dashboard clocks, 144 W. 18th, New York.
Luminite Corp. (Push Buttons), 24-30 Scott St., Newark, N. J.
Luminous Unit Co., 2615 Washington Ave., St. Louis, Mo. (Now the Brascolite Co.)
Lummi Bay Packing Co., Bellingham, Wash.
Lummi Bay Packing Co., canned goods, Green Bay, Wis.
Lummus Co., W. E. (Chem. Appar.), 173 Milk St., Boston, Mass.
Lummus' Cotton Gin Co., Columbus, Ga.
Lumpkin Hardware Co., Cartersville, Ga.
Lumpkin Home Mixture Guano Co., Lumpkin, Ga.
Lumsden & Van Stone Co., 426 E. First St., South Boston, Mass.
Lunan, J., & Sons, packing box, Fall River, Mass.
Lunbeck Bros., lumber, South Salem, O.
Lund & Nelson, see Lund, Jas. B. (successor).
Lund, A., Co., contrs., 19 S. La Salle, Chicago, Ill.
Lund, J. B., & Sons, machsts. & fndrs., Cheboygan, Mich.
Lund, Jas. B., consulting engnr., 19 S. La Salle, Chicago, Ill.
Lund, L. J., Mfg. Co., vacuum cleaners, 370 Lexington av., New York.
Lundberg, A., Co., artificial limbs, 1101 3rd av., Seattle, Wash.
Lundberg, Gustaf, swedish iron, Board of Trade Bldg., Boston, Mass.
Lunde & Childs, brass fndrs., La Crosse, Wis.
Lundgren, Edward, brick, Warren, Minn.
Lundie Engineering Corp., The, 916 Broadway, New York.
Lundin Electric & Mfg. Co., Inc., 10 Thatcher St., Boston, Mass.
Lundin Steel Castings Co. Neponset, Mass.
Lundorff-Bicknell Co., The, 5716 Euclid Ave., Cleveland, O.
Lundquist, C. A., & Co., wholesale hardware, Jamestown, N. Y.
Lundstrom Mfg. Co., C. J., Little Falls, N. Y.

Lundy Dustless Street Sweepers, Ltd., The, Brantford, Ont., Can.
Lunenberg Mfg. Co., coffins, etc., Lunenberg, Vt.
Lungmotor Co., 711 Boylston St., Boston, Mass
Lungwitz, Emil E., pulp filters, 90 West, New York.
Luning Mineral Products Co., colors & pigments, Russ bldg., San Francisco, Calif.

LUNKENHEIMER CO., THE, Beckman & Waverly Aves., Cincinnati, O.
Branches:
Boston, Mass.—63 Pearl.
Chicago, Ill.—568 W. Washington Blvd.
New Orleans, La.—211 Camp.
New York—129-135 Lafayette.
Pittsburgh—355 Fifth Ave.
San Francisco, Cal.—116 New Montgomery.
London, Eng.—35 Great Dover, S. E.
Export Dept.:
New York City—129-135 Lafayette.

Lunsford, G. A., & Sons, machy. dlrs., Elberton, Ga.
Lu it Moss Co., mill & facty. supp., 43 S. Market, Boston, Mass.
Lupfer, Geo. B., Co., mattresses, Columbus, O.

LUPTON'S SONS CO., DAVID, Allegheny Ave & Tulip, Philadelphia, Pa.
Pres.—Edward Lupton.
V. P.—David D. Lupton.
V. P., Sec. & Gen. Mgr.—David P. Forstner.
V. P. & Treas.—Edward L. Forstner.
V. P. Engrg.-Sales—Clarke P. Fond.
V. P. & Gen. Supt.—Joah Brogden.
Branch Offices and Distributors:
ALA.—Birmingham—Age Herald Bldg.
CAL.—Los Angeles—Waterhouse-Wilcox-Pacific Co., 331 14th St., N. W.
San Francisco—Waterhouse-Wilcox Co., 523 Market St., Sutter 1938.
CONN.—Hartford—Geo. F. Smart & Co., 80 Pearl St.
D. C.—Washington—A. F. Jores Iron Works, 315 13th St.
GA.—Atlanta—502 Candler Bldg.
ILL.—Chicago—1114 Steger Bldg.
MASS.—Worcester—Smith-Green Co., Graphic Arts Bldg.
MICH.—Detroit—919 Majestic Bldg.
MO.—Kansas City—Concrete Products Co., Finance Bldg.
St. Louis—1633 Boatmens' Bank Bldg.
N. Y.—Buffalo—824 Marin Trust Bldg.
Rochester—Francis Metal Door & Window Co., 46 Cortland St.
N. C.—Charlotte—Southern Eng. Co.
O.—Cleveland—805 Swetland Bldg.
ORE.—Portland—McCraken Co., 905 Blake-McFall Bldg.
PA.—Pittsburgh—1416 Oliver Bldg.
TEX.—Dallas—Austin Bros., 1805 Coombs St.
601 Mercantile Bank & Tr. Bldg.
Fort Worth—Southwell Bldrs. Supply, 117 Jennings Ave.

Lurch Piano Co., 108 Lexington av., New York.
Luria Rag Co., scrap rubber, iron & steel, York, Pa.
Luria Bros. & Co., Inc., Colonial Tr. Bldg., Reading Pa.
Lurie, Aaron, cornices, 548 Windsor, Hartford, Conn.
Lurie, John, Inc., auto supplies, etc., 1789 Broadway, New York.
Lurz, Frank, Co., contractors, Elmhurst, N. Y.
Lusk Bros. Fdry. Co., Jackson, Mich.
Lusse Bros., machsts., 2807 N. Fairhill, Phila., Pa.
Lussky, White & Coolidge, Inc., 69 W. Lake St., Chicago.
Lust, Wm., traveling bags, 927 Van Ness av., San Francisco, Calif.
Lustbader Constr. Co., 101 Park av., New York.
Luster-Jordan Co., Inc., The, Norristown, Pa.
Lustre Creme Mfg. Co., metal polish, Rock Island, Ill.
Lustre Mfg. Co., polish, 16 W. Kinzie, Chicago, Ill.
Lutcher & Moore Cypress Lbr. Co., Lutcher, La.
Lutcher & Moore Lumber Co., Orange, Tex.
Luten, Daniel B., consulting engnr., 3357 Ruckle, Indianapolis, Ind.
Lutes-Sinclair Co., Inc., Benton Harbor, Mich.
Luth Carriage Co., 1275 Budd, Cincinnati, Ohio.
Luthe Hardware Co., Des Moines, Ia.
Luther, C. A., & Co., textile machinery, Pawtucket, R. I.
Luther & Co., Chas. A., Central Falls, R. I.
Luthy & Co., port. grain elev., corn planters, clothes washing machs., etc., Peoria, Ill.
Luther Co., B. G., 91 Foster St., Worcester, Mass.
Luther Grinder Mfg. Co., 80. Water St., Subwway. Milwaukee, Wis.
Luther Mfg. Co., Olean, N. Y.
Lutke Mfg. Co., bank fixtures, 140 N. 6th, Portland, Ore.
Lutke Mfg. Co., show cases, Portland, Ore.
Lutter & Gies Co., 258-260 Lake St., Milwaukee, Wis.
Lutter Brick Co., 1503 Wellington av., Chicago, Ill.
Lutton Co., Wm. H., Jersey City, N. J.
Luttrell & Co., S. B., Knoxville, Tenn.
Luttrell & Unger, canned gds., Unger's Store, W. Va.
Luttrell Hardware Co., Brewton, Ala.
Lutz & Schramm Co., canned goods, Pittsburgh, Pa.
Lutz & Sheinkman, Inc., Rose, Duane & Williams St., New York.
Lutz Company, Inc., Bambry & Morris Sts., Philadelphia, Pa.
Lutz, D. E., lbr., Mill Creek, W. Va.
Lutz, Ferdinand, flushings, valves, 555 W. Broadway, New York.
Lutz File Co., 806 Blway, Cincinnati, O.
Lutz, Isadore, canned gds., Bloomington, Ill.
Lutz, J. H., machinist, Circleville, Ohio.
Lutz, Robert, Oshkosh, Wis.
Lutz, Stanley, 3d & Madison, Portland, Ore.
Luverne Auto Co., Luverne, Minn.
Luverne Fire Apparatus Co., Luverne, Minn.
Luverne Oil Mills, Luverne, Ala.
Luverne Motor Truck Co., Luverne, Minn.
Luverne Wheel & Tire Co., Luverne, Minn.
Luxam Electrical Supply Co., Fort Wayne, Ind.
Lux Clock Mfg. Co., Inc., 95H Sperry, Waterbury, Conn.
Luxfibre Furniture Co., The, Waukesha, Wis.
Lux, L. A., Co., boiler compound, 2187 E. 2nd, Cleveland, Ohio.
Luxenberg & Haskell, umbrella handles, 132 Green, New York.
Luzerne Chemical Co., wood acids, Pittston, Pa.
Luzerne Mfg. Co., machsts. & fndrs., Luzerne, Pa.
Luzerne Rubber Co., Muirheid Ave., Trenton, N. J.
Lycoming Bedding Co., mattresses, Williamsport, Pa.
Lycoming Calcining Co., Williamsport, Pa.
Lycoming Manufacturing Co., Williamsport, Pa.
Lycoming Rubber Co., mfrs. rubber goods, Erie & Rose, Williamsport, Pa.
Lycoming Timber & Lumber Co., Pottsville, Pa.
Lydall & Foulds Paper Co., Manchester, Conn.
Lydall, H., & Foulds, machsts. & fndrs., Manchester, Conn.
Lydia Cotton Mills, sheetings, Clinton, S. C.
Lyknu Polish Mfg. Co., 916 Forbes, Pittsburgh, Pa.
Lyle & Reynolds, machsts. & fndrs., Crawfordsville, Ind.
Lyle Culvert & Road Equip. Co., Minneapolis, Minn.
Lyle Lbr. & Mfg. Co., Lyle, Wash.
Lyle Rock Co., 408 Grand Ave., Kansas City, Mo.
Lyles, J., architect, 734 8th N. W., Washington, D. C.
Lyman-Beers Co., 95 Liberty St., Springfield, Mass.
Lyman Gun Sight Corp., Middlefield, Conn.
Lyman, H. B., conductor pipe, Southampton, Mass.
Lyman, Harry B., masons' & bldrs.' matls., Lafayette, Ind.
Lyman, Hawkins Lumber Co., 1020 Sweitzer, Akron, O.
Lyman, John R., Co., platers' supplies, 95 Liberty, Springfield, Mass.
Lyman, Jno. T., sash, door & blind mfr., Montclair, N. J.
Lyman Mfg. Co., candy pails, Warren, Ohio.
Lyman Mills, cotton sheetings, Holyoke, Mass.
Lyman-Richey Sand Co., Omaha, Neb.
Lyman Tube & Supply Co., Montreal, Que, Canada.
Lynch, Alonzo K., belt dressing, 310 Flushing av., Brooklyn, N. Y.
Lynch Bros. & Co., brick, East Kingston, N. Y.
Lynch Bros. Brick Co., Holyoke, Mass.
Lynch Bros. Leather Co., Lynn, Mass.
Lynch-Cannon Eng. Co., Dooly bldg., Salt Lake City, Utah.
Lynch-Clarisey Co., (Lubrg. Oils), 3211 S. Wood St., Chicago.
Lynch Construction Co., Inc., 1 Pershing sq., New York.
Lynch, Edw., & Co., mill & facty. supplies, 31 S. Clinton, Chicago, Ill.
Lynch, Francis E., leather, 1502 Franklin, Wilmington, Del.
Lynch, Geo. C., Co., see Plant Mfg. Co. (successor).
Lynch Glass Machy. Co., bottle blowing machy., Anderson, Ind.
Lynch, H. C., lbr., Anniston, Ala.
Lynch-McDonald Construction Co., Moberly, Mo.
Lynch, W. B., lumber, Darlington, Ind.
Lynchburg Brick Co., Lynchburg, Va.
Lynchburg Coal & Coke Co., Lynchburg, Va.
Lynchburg Cotton Mills, cotton sheetings & tickings, Lynchburg, Va.
Lynchburg Foundry Company, Peoples Bank Bldg., Lynchburg, Va.
Lynchburg Lumber Mfg. Co., sash, door & blind, Lynchburg, Va.
Lynchburg Milling Co., flour, Lynchburg, Va.
Lynchburg Plow Wks., Lynchburg, Va.
Lynch's Jno. R., Sons, cornices, Binghamton, N. Y.
Lynd Mfg. Co., L. E., Mechanicsville, N. Y.
Lynd-Farquhar Co., 419 Atlantic Ave., Boston, Mass.
Lynden Mill & Light Co., lumber, Lynden, Wash.
Lyndonville Canning Co., Lyndonville, N. Y.
Lyne Foundry & Machine Co., C. H., Miami, Fla.
Lynn Air Conditioning Co., (Generators, etc.), 103 Park Ave., New York.
Lynn Gas & Electric Co., water-gas, tar, Lynn, Mass.
Lynn Incandescent Lamp Co., P. O. box 664, Lynn, Mass.
Lynn Leather Washer & Mat Co., East Lynn, Mass.
Lynn Stall Co., hinges, Lynn, Mass.
Lynnport Slate Wks., roofing slate mfrs., Lynnport, Pa.
Lynott Stove & Churn Wks., Louisiana, Mo.
Lyon & Billard Co., masons' & bldrs.' matls., Meriden, Conn.
Lyon & Edwald, wholesale hdwe., New London, Conn.
Lyon & Healy, organs, pianos, 245 S. Wabash av., Chicago, Ill.
Lyon & Sons Lbr. & Mfg. Co., Geo. S., Decatur, Ill.
Lyon, A., contr., Ithaca, N. Y.
Lyon Bros., masons' & bldrs.' matls., Menominee, Mich.
Lyon, C. S., flour mills, Stanford, Ky.
Lyon-Carr Fire Door Co., 1739-43 Walnut St., Chicago.
Lyon Co., Edward F., 1600 E. Euclid, Detroit, Mich.
LYON, CONKLIN & CO., INC., (Tin Plate & Metals), Race & McComas st., Baltimore, Md.
Lyon-Gray Lbr. Co., Dallas, Tex.
Lyon, H. F., Co., see Bliss & Lyon (successor).
Lyon, Julian W., drug importer, 75 Fulton, New York.
Lyon Lumber Co., Garyville, La.
Lyon Lumber Co., 208 S. La Salle, Chicago, Ill.
Lyon Lumber Co., Odessa, Fla
Lyon Iron Works, Greene, N. Y.
LYON METALLIC MFG. CO., Aurora, Ill.
Pres.—F. S. Waters.
Secy. & Treas.—B. L. Waters.
Boston, Mass.—161 Devonshire St.,—Boston 9.
Chicago—230 E. Ohio St.
Cleveland, O.—325 Engineers Bldg.
Detroit, Mich.—1848 Penobscot Bldg.
Indianapolis, Ind.—305 Merchants Bank Bldg.
Los Angeles, Cal.—320 S. Main St.
New York—343 Madison Ave., 1005 Canadian Pacific Bldg.
Philadelphia, Pa.—519 Bulletin Bldg.
Pittsburgh, Pa.—601 Oliver Bldg.
Rochester, N. Y.—61 South Ave.
Lyon, Rose (see Kidd-Bossinger Hdwe. Co., successor).
Lyon, W. E., & Co., masons & bldrs.' matls., Carthage, Ill.
Lyon, W. E., Iron Works, 202 E. 46th, New York.
Lyons Atlas Co., farm tractors, 19th & Martindale av., Indianapolis, Ind.
Lyons Counter Co., Lynn, Mass.
Lyons, Edw. S., belt knives, Woburn, Mass.
Lyons, F. P., Inc., industrial trailers, 2429 Elm, Manchester, N. H.
Lyons, F. P., Iron Works, Inc., 2429 Elm, Manchester, N. H.
Lyons, G. E., Granite Co., West Dummerston, Vt.
Lyons, Geo. P., Excelsior Co., Woodford, Va.
Lyons Handle & Furniture Co., Lyons, Mich.
Lyons, Hugh, & Co., show cases, Lansing, Mich.
Lyons, J. C., Sons Co., contractors, Grand Central Terminal, New York.
Lyons, John H., pckg. box mfrs., 548 Canal, Syracuse, N. Y.
Lyons, John P., brooms, 153 Orlin av. S. E., Minneapolis, Minn.
Lyons Level & Tool Co., Inc., 342H York, New Haven, Conn.
Lyons Lumber Co., Hume, Ill.
Lyons Machinery Co., Joe, Little Rock, Ark.
Lyons Mfg. Co., hdwe. spec., smoking sets, etc., 342 York, New Haven, Conn.
Lyons, Michael F., & Co., contractors, 10 Pond, Lynn, Mass.
Lyons Milling Co., flour, Lyons, Kan.
Lyon's Mills, lumber mfrs., Solsville, N. Y.
Lyons-Morgan Co., carriages, Fresno, Calif.
Lyons, S. C., & Bros., ochres, Bennington, Vt.
Lyons Stoneware & Pottery Co., Lyons, N. Y.
Lyons Storage Battery Co., Inc., 2525 N. Broad, Phila., Pa.
Lyons, Thos., & Co., broom corn, Arcola, Ill.
Lype Bros., cornices, Oneida, N. Y.
Lyradion Sales & Engineering Co., loud speakers, Mishawaka, Ind.
Lysle, J. C., Milling Co., flour, Leavenworth, Kan.
Lysle, Wilson (Est. of), paper & pulp mills, Landenberg, Pa.
Lyth & Sons Co., A., 48 W. Eagle, Buffalo, N. Y.
Lyth Tile Co., Mutual Life Bldg., Buffalo, N. Y.
Lytle Logging & Mercantile Co., lumber, Hoquiam, Wash.
Lytle Lumber Co., Deshler, Ohio.
Lytton Mfg. Corp., Franklin, Va.
M. B. Tool Co., Danielson, Conn.
M. H.-Aterite Co., Inc, (Valves, Nozzles), 55 John St., New York.
M. P. L. Packing & Supply Co., see Imperial Packing Corp. (successors).
M. P. L. Packing & Supply Co., 73 W. Broadway, New York.
M. S. W. Mfg. Co., machsts., 1527 Niagara, Buffalo, N. Y.
M. T. K. Products Co., bearing & grinding compounds, 1115 Post, Seattle, Wash.
M-V All Weather Train Controller Co., The, 195 Market St., Newark, N. J.
M. W. SUPPLY CO., Real Estate Trust Bldg., Philadelphia, Pa.
M. & B. Chemical Co., Dept. H, Johnson City, Tenn.
M. & H. Novelty Co., auto locks, 1468 W. 28th, Los Angeles, Calif.
M. & M. Rail Clamp Co., (Now Barrett Machine Co.), Pittsburgh, Pa.
M. & M. Hardware Co., whol., Steubenville, Ohio.
M. & M. Co., 500 Prospect Ave., Cleveland, O.
M. & M. Wire Clamp Co., 2 Fifth St., S. E., Minneapolis, Minn.
M. & M. Woodworking Co., 800 Multnomah St., Portland, Ore.
M. & N. Pattern & Model Works, 448 N. Halstead, Chicago, Ill.
M. & S. Shellac Co., 25 Kempton pl., West Newton, Mass.
M. & W. Co., Inc., lamps, 53 Wilbruhan rd., Springfield, Mass.
McAbee, G. R., Powder & Oil Co., dynamite & powder mfrs., Oliver bldg., Pittsburgh, Pa.
McAdam & Co., Charles, 2717 S. Troy St., Chicago.
McAdams, J. C., Sales Co., auto locks, 145 W. 63d, New York.
McAdams, Jno., & Sons, machsts. & fndrs., 978 Kent av., Brooklyn, N. Y.
McAden Mills, denims, McAdenville, N. C.
McAdoo & Allen, lthr., belting butts, 329 N. 3d, Phila., Pa.
McAdoo-Akron Co., The, Akron, O.
McALEAR MFG. CO., THE, 1901 S. Western Ave., Chicago.
McAleenan Brothers Co., 25th & R. R. Sts., Pittsburgh, Pa.
McAleer, E. J., & Co., tinware mfrs., 1422 N. 8th, Phila., Pa.
McAleer Lime Co., Walkersville, Md.
McAllaster, J. E., & Sons, flour mills, Gouverneur, N. Y.
McAllister & Bell, flour mills, Covington, Va.
McAllister & Kline, cornices & skylights, Lancaster, Pa.
McAllister Dry Dock & Shipyard Co., machsts. & fndrs., marine rys. & ship bldrs., 24 State, New York.
McAllister Lbr. & Supply Co., mill & factory supplies, Boulder, Colo.
McAllister, R. H., Co., mill & factory supplies, Grand Island, Neb.
McAllister, W. B., Co., contractors, 2165 E. 31st, Cleveland, O.
McAlpine, A., machsts. & fndrs., Lincoln, Neb.
McAnelly Hdwe. Co., Huntsville, Ala.
McAnerney, Jos. A., Co., vacuum cleaners, 62 W. 45th, New York.
McAnespie, J., & Co., woolens, Lancaster, Ohio.
McArdle & Co., 912 W. 38th Pl., Chicago.
McArdle & Cooney, steam fitters' supplies, 519 Arch, Phila., Pa.
McArdle & Cooney Co., 8 E. Lombard St., Baltimore, Md.
McArdle, Peter H., New Orleans, La.
McArdle, Wm. H., & Son, archl. iron, 511 Bainbridge, Phila., Pa.
McArthur & Sons, Geo., Baraboo, Wis.
McArthur Brick Co., Main St., McArthur, O.
McArthur Cut Stone Co., 4610 Rice, Chicago, Ill.
McArthur, W. T., turpentine, McGregor, Ga.
McAuliffe Non-Siphoning Trap Co., see Boston Brass Co. (successors).
McAuliffe, T. G., plumbers' supplies—jobbers, Augusta, Ga.
McAuley Automatic Trap Co., 3rd and Penn Sts., Pittsburgh, Pa.
McAvoy Vitrified Brick Co., City Central Bldg., Philadelphia, Pa.
McBee Binder Company, Athens, O.
McBee Binder Co., 105 S. 9th St., St. Louis, Mo.
McBee, Ladewich Co., Granite, Mansfield, Ohio.
McBrady, Jno. E., & Son, cornices, 164 Congress, Portland, Me.
McBratney, Robert, & Co., airplane linen, 121 Franklin, New York.
McBrayer Canning Co., McBrayer, Ky.
McBride, C. L., Mfg. Co., canvas gloves & glove stretchers, Toledo, Ohio.
McBride, Jas., Flooring Corp., 257 E. 133d, New York.
McBride, Jos., charcoal, 414 E. 157th, New York.
McBride, Michl. J., cornices, South Bethlehem, Pa.
McBride, T., & Son, masons' & bldrs.' matls., Elgin, Ill.
McBride, Thomas, lamp chimneys, Industrial, W. Va.
McCabe & Co., E., Lawrence, Mass.
McCabe & Sheeran Machy. Corp., mach. tools, 50 Church, New York.
McCabe Hanger Mfg. Co., door hanger mfrs., 426-8 W. 25th, New York.
McCabe, Bernard, Carriage Co., Pawtucket, R. I.
McCabe Boiler Works, 187 Commerce St., Newark, N J.
McCabe Constr. Co., 1758 Central av., Cincinnati, Ohio.
McCabe, E. R., & Co., flour mills, Jackson, Tenn.
McCabe, Edw., stone products, New Baltimore, N. Y.
McCabe, Geo., & Sons, tubular boilers, Richmond, Va.
McCABE HANGER MFG. CO., 426-8 W. 25th St., New York.
McCabe Lathe & Machinery Corp., J. J., 149 Broadway, New York.
McCabe Mfg. Co., Lawrence, Mass.
McCabe, Peter, masons' & bldrs.' matls., Albany, N. Y.
McCabe-Powers Carriage Co., 1217 N. Broadway, St. Louis, Mo.
McCabe, W. F., Contr. Co., White Plains, N. Y.
McCadden Machine Works, engine pistons, 316 6th av. N., St. Cloud, Minn.
McCaffery Bros. Co., masons' matls., 120 S. 17th, Omaha, Neb.
McCafferty Co., J. H., 434 Harrison Ave., Boston, Mass.
McCafferty, Jas. A., & Sons Mfg. Co., paint mfrs., 505 Driggs av., Brooklyn, N. Y.
McCaffrey File Co., 5th & Berks, Philadelphia, Pa.
McCaghey, P. B., Co., contrs., Little Falls, N. Y.

McCahan, W. J., Sugar Refining Co., Chestnut & Front, Philadelphia, Pa.
McCahill Soda Fountain Co., 215 E. 23rd, New York.
McCairns Fdry. Co., Connellsville, Pa.
McCall Constr. Co., 327 S. La Salle, Chicago, Ill.
McCall Incinerator Co., Huntingdon, Tenn.
McCall Machine Work, dies, etc., Rochester, N. Y.
McCalla Co., Harold (Iron & Steel), Beach & Columbia Sts., Philadelphia, Pa.
McCallister, Wm. H., masons' & bldrs.' matls., Hurricane, W. Va.
McCallum, Wm., cornices, Battle Creek, Mich.
McCalman Const. Co., contrs., Decatur, Ill.
McCalmont & Co., masons' & bldrs.' matls., Bellefonte, Pa.
McCambridge Co., 315-321 N. 20th St., Philadelphia, Pa.
McCandless, H. W., & Co., decorative elec. lighting, 150 Broadway, New York.
McCandless Miniature Lamp Works, 165 Broadway, New York. Now Westinghouse Lamp Co., Bloomfield, N. J.
McCann Bldg. Co., 5 Water av., Albany, N. Y.
McCann Co., contractors, Evanston, Ill.

McCANN CO., H. K., 625 National City Bldg., Cleveland, O.

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McCann's, D. E., Sons, carriages, 19 School, Portland, Me.
McCants, J. J., flour, Butler, Ga.
McCardell & Co., J. B., Warren & Mill Sts., Trenton, N. J.
McCardell, R. W., cornices & skylights, Little Rock, Ark.
McCargar, L. B., Mfg. Co., agrl. impits., North Kansas City, Mo.
McCarroll Bros., cornices & skylights, stoves, etc., Ottumwa, Ia.
McCarroll Lumber Co., Holden, La.
McCarroll, W. W., machsts., Geneva, N. Y.
McCarthy & Malinski, mill & facty. supplies, Cairo, Ill.
McCarthy & Sons Co., contractors, Princeton, N. J.
McCarthy Bros., masons' & bldrs.' supplies, Auburn, N. Y.
McCarthy Bros. & Ford, 75 W. Mohawk, Buffalo, N. Y.
McCarthy, E. W., & Sons, leather, Peabody, Mass.
McCarthy, Felix, expansion joints, Pottstown, Pa.
McCarthy Improvement Co., Davenport, Ia.
McCarthy, J., & Son, leather, Peabody, Mass.
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McCarthy, John A., & Bro., masons' & bldrs.' matls., 551 Exterior, New York.
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McCarthy, M. S., 7016 Stanley, St. Louis, Mo.
McCarthy, T. F., felt & axle washers, 255 A, S. Boston, Mass.
McCarthy, W. B., 1016 Rose Bldg., Cleveland, O.
McCarthy, Wm. J., Co., bldg. contrs.—stone, 559 Mass. av., Somerville, Mass.
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McCarty, Chas. O., mill & facty. supplies, 332 N. Beach, Syracuse, N. Y.
McCarty, J. C., & Co., mitre boxes & whol. hdwe., 29 Murray, New York.
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McCauley, W. H., & Son, contrs., 1018 Mrymns av., Baltimore, Md.
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McCausland Bros., Akron, O.
McCausland) John, paper sleeves, East Providence, R. I.
McCay, H. B., cornices & skylights, Bozeman, Mont.
McChesney & Co., J. S., 1739 N. Wells St., Chicago.
McClanahan & Shea, cornices & skylights, Maysville, Ky.
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McClave Grate Bar Co., grate bar mfrs., 30 Warren, New York.
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McClellan Mfg. Co., living room furniture, 915 S. Los Angeles, Los Angeles, Calif.
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McClellan Products Co., 361 W. Ontario St., Chicago.
McClellan Refrigerating Co., 1100 Washtenaw av., Chicago.
McClelland Co., Wm., 3105 Whitethome Rd., Cleveland, O.
McClelland Co., The, (Millwork, etc.), Davenport, Ia.
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McCoy, J. Ernest, 206 Mt. Vernon Ave., Detroit, Mich.
McCoy-Linn Iron Co., Milesburgh, Pa.
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McCoy, Thos., & Sons, fndrs., San Diego, Calif.
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McCracken-Ripley Co., masons' matls., 45 4th, Portland, Ore.
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McCrady Bros. Co., masons' & bldrs.' matls.—contrs., Braddock, Pa.
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McCray Refrigerator Co., Kendallville, Ind.
McCready & Webster, canned goods, Chance, Md.
McCready, J. B., machst., Parksley, Va.
McCready, John, lumber, Twining, Mich.
McCready, R. W., Cork Co., 344 W. Illinois, Chicago, Ill.
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McCreary, E. (Knit Goods Mchy.), Cohoes, N. Y.
McCreary Mfg. Co., mailing tubes, Erie, Pa.
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McFate, C. J., 3533 S. Park av., Los Angeles, Calif.
McFaul-Perkins Co., lumber mfrs., Chronicle Bldg., San Francisco, Calif.
McFeely Brick Co., Latrobe, & 1st Nat. Bk. Bldg., Pittsburgh, Pa.
McFeeley Bros., Steubenville, O.
McFeeley Co., The, Heed Bldg., Philadelphia, Pa.
McFerran, J. W., canned goods, Fincastle, Va.
McFerson & Foster Co., lbr. mfrs., 9th av. & Frank, Evansville, Ind.
McFetrick Lumber & Coal Co., masons' & bldrs.' matls., Valparaiso, Ind.
McFie, W. T., Supply Co., whol. hdwe. & steel, 213 N. Los Angeles, Los Angeles, Calif.
McGarigle Mach. Co., miniature locomotives, Niagara Falls, N. Y.
McGaffey Co., Albuquerque, N. Mex.

McGANN & SONS CO., T. F., 117 Portland st., Boston, Mass.

McGarry, John A., & Co., contrs., 189 W. Madison, Chicago, Ill.
McGarry, W. P., Co., contractors, 292 Freeman, Brooklyn, N. Y.
McGarvey & Co., contrs., 705 Gerke Bldg., Cincinnati, Ohio.
McGau Tire & Rubber Co., 1900 Euclid Ave., Cleveland, O.
McGavic, S. L., Lumber Co., Ottumwa, Ia.
McGavock Bros., masons' & bldrs.' matls., Beloit, Wis.
McGee, D. W., Constr. Co., 142 1st, Newark, N. Y.
McGee, Jos., Iron & Brass Fdry Co., 51 6th, L. I. City, N. Y.
McGee Mfg. Co., woolen blankets, Greenville, S. C.
McGee, O. G., & Son, foundry, 2312 E. Main, Richmond, Va.
McGee-Ross Hardware Co., Jackson, Tenn.
McGibbon Engng. & Iron Wks., tubular boilers, 14 Columbia, Brooklyn, N. Y.
McGill Mfg. Co., 59 Oak St., Valparaiso, Ind.
McGill Metal Products Co., Marengo, Ill.
McGill Metal Products Co., 1640 Walnut, Chicago, Ill.
McGillivray Construction Co., Sacramento, Calif.
McGillivray Lbr. & Mfg. Co., Black River Falls, Wis.
McGilvray-Raymond Granite Co., 634H Townsend, San Francisco & 678 S. Utah, Los Angeles, Calif.
McGilvray Stone Co., San Francisco, Cal.
McGinley Cut Stone Co., Union av. & Glass, Altoona, Pa.
McGinley, Howard J., & Co., cornices, 1719 Ludlow, Philadelphia, Pa.
McGinn, G. W., & Co., contrs., Phelan Bldg., San Francisco, Calif.
McGinness Co., heating contrs., 320 Liberty, Pittsburgh, Pa.
McGinnis & Co., sash, door & blind, 130 S. Church, Nashville, Tenn.
McGinnis, N. C., & Co., contractors, Exchange Bldg., Memphis, Tenn.
McGlone Bros., spokes, Morehead, Ky.
McGlone, E. Q., staves, Ulvah, Ky.
McGloughlin Iron & Brass Fdry. Co., Laconia, N. H.
McGoldrick Lumber Co., N. 816 Cincinnati St., Spokane, Wash.
McGonegal, Frank E., machsts. & fndrs., Holly, Mich.
McGookin & Co., D. H., 12th & 69th Ave., Philadelphia, Pa.
McGovern & Smith, tubular boilers, 2046 E. Lehigh av., Philadelphia, Pa.
McGovern, P. E., & Co., contrs., Punxsutawney, Pa.
McGowan Bros. Hardware Co., 62 Central av., Spokane, Wash.
McGowan Co., The John H., Cincinnati, O.
McGowan, P. J., & Sons, canned goods, 702 Sprague, McGowan, Wash.
McGowin-Foshee Lumber Co., Falco, Ala.
McGowin-Lyons Hardware & Supply Co., 113-125 N. Water St., Mobile, Ala.
McGrath Bros., granite, S. Quincy, Mass.
McGrath, H. J., Co., canned goods, Atlantic Wharf, Baltimore, Md.
McGrath, J. H., Hardware Co., Hastings, Neb.
McGrath, Jas. E., lumber, Stillwater, Minn.
McGrath, J. T., & Sons, machsts. & fndrs., Bloomington, Ill.
McGrath, John J., 1340 N. Front St., Philadelphia, Pa.
McGrath, John L., stone producers, Phoenicia, N. Y.
McGrath, Michael, & Co., granite prod., Broadway, L. I. City, N. Y.
McGrath, Robert H., machsts. & fndrs., Lafayette, Ind.
McGratty & Wheeler, sash, door & blind, Haverhill, Mass.
McGratty & Sons, 313 Butler St., Brooklyn, N. Y.
McGraw & Crone, cornices, Jackson, Mich.
McGraw Co., Omaha, Neb.
McGraw Company, The, Sioux City, Ia.
McGraw, Jas., Richmond, Va.
McGraw, John H., & Sons, contractors, Bellaire, Ohio.
McGraw, R., ball cocks, Syracuse, N. Y.
McGraw Tire & Rubber Co., E. Palestine, O.
McGraw-Yarbrough Co., plumbers' supplies—jobbers, Richmond, Va.
McGreary, R. J., Lumber Co., Evergreen, Ala.
McGreece, Jas. P., & Co., hdwe. mfrs., 262 Dover, Boston, Mass.
McGreevy & Ortman Co., masons' & bldrs.' matls., Dayton, O.
McGreevy, Eugene, contr., Robinson Bldg., Elmira, N. Y.
McGregor & Sons, tex. machy., supplies (slasher combs, reeds), 66 Troy, Fall River, Mass.
McGregor, Chas. E. (Boilers) 3rd & Congress St., Detroit, Mich.
McGregor, J. F., & Co., hdwe. mfrs. 711½ Cherry, Chattanooga, Tenn.
McGregor-Noe Hardware Co., Springfield, Mo.
McGregor Working Barrel Co., Inc., 106 Elm St., Bradford, Pa.
McGrew Paint Mfg. Co., 2324 E. 37th, Los Angeles, Calif.
McGrory, Philip, scrap rubber, Trenton, N. J.
McGuffick, J. R., & Co., lubricating oils & greases, 148 Stewart, San Francisco, Calif.
McGuinness, J. F., tin plate, metals, etc., 99 Foster, Worcester, Mass.
McGuire & Tymeson Co., mill & fcty. supplies, Johnstown, N. Y.
McGuire, B. A., cornices, Rockford, Ill.
McGuire, B. C. J., grain cradles, Wilmore, Pa.
McGuire Cabinet Co., bank fixtures, 1514 Hooper av., Los Angeles, Calif.
McGuire, Chas. F., steam fitters' supplies, Hornell, N. Y.
McGuire, J. G., & Co., contractors, New Brighton, Pa.
McGuire National Lubricating Oil & Supply Co., 2924 Locust st., St. Louis, Mo.
McGuire-Cummings Mfg. Co., 111 W. Monroe St., Chicago.
McGurk, B. L., carriages, 1270 Albany, Hartford, Conn.
McHale, T. H., & Son, contractors, Syracuse, N. Y.
McHarg-Barton Co., contrs., 1328 Broadway, New York.
McHenry Mfg. & Machy. Co., McHenry, Ky.
McHenry-Millhouse Mfg. Co., 1702 S. Franklin St., South Bend, Ind.
McHose & Pardoe, mattresses, Fargo, N. D.
McHose, L. H., fire clay, Perth Amboy, N. J.
McHose, S. M., brick, Nevada, Ia.
McHugh & Son, Inc., Jos. P., 15 W. 51st St., New York.
McHugh Fdry. Co., grey iron castings, 90 Sargent, Holyoke, Mass.
McHugh, John, stone producer, 5816 Normal av., Chicago, Ill.
McHugh Mfg. Co., tent contrs., 317 W. 38th, New York.
McHugh, P. A., Chair Co., 1152 W. 11th, Cleveland, O.
McHugh, P. J., Paving & Constr. Co., Seattle, Wash.
McIlhenny Co., canned goods, Avery Island, La.
McIlroy Belting & Hose Co., Hammond, Ind.
McIlroy, J. D., & Sons, cornices & skylights, 508 2d av. Pittsburgh, Pa.
McIlvain & Co., J. Gibson, 1420 Chestnut St., Philadelphia, Pa.
McIlvain, F., Orear Bldg., Kansas City, Mo.
McIlvaine & Spiegel Boiler & Tank Co., Pearl and Lawrence Sts., Cincinnati, O.
McIlvaine Bros., Fifteenth & Hamilton Sts., Philadelphia, Pa.
McIner, Angus V., architect, Electric Bldg., Billings, Mont.
McInnes & Co., Inc., Chas. E., Marine & Merchant Bl., Philadelphia, Pa.
McInness Steel Company, Ltd., Corry, Pa.
McIntire & Co., staple drivers, Port Chester, N. Y.
McIntire, C., Co., miscellaneous elec. fuses, etc., 95 Oliver, Newark, N. J.
McIntire Coal & Builders' Supply Co., Zanesville, Ohio.
McIntire Corp., 95 Olive St., Newark, N. J.
McIntosh & Alberts, corn brooms, 650 W. 39th, Chicago, Ill.
McIntosh & Seymour Corp., Auburn, N. Y.
McIntosh, A., Co., granite, Quincy, Mass.
McIntosh Electrical Corp., 223 N. California Ave., Chicago.
McIntosh Ice Machine Co., 548 Thurman, Portland, Ore.
McIntosh Lbr. Co., Moss Point, Miss.
McIntosh Stereopticon Co., 30 E. Randolph, Chicago, Ill.
McIntyre & Sons, J. F., Pine Bluff, Ark. (Hdw. Lumber.)
McIntyre & Henderson, tubular boilers, 821 Key Highway, Baltimore, Md.
McIntyre & Walter, cornices, Binghamton, N. Y.
McIntyre Bros. Paper Co., Inc., tissue paper, Fayetteville, N. Y.
McIntyre-Burrall Co., horse collars, Green Bay, Wis.
McIntyre, C. F., hay rakes, Maine, N. Y.
McIntyre, J. M., & Co., bituminous coal mine, Comm. Tr. Bldg., Philadelphia, Pa.
McIntyre Lumber Co., Millville, Ark.
McIntyre, Ltd., Beattie, Toronto, Ont., Can.
McIntyre Machine Works, The, 80 Grove St., Hartford, Conn.
McIntyre Packing Co., meat, 805 Montgomery, San Francisco, Calif.
McIver & McKay, see MacKay, Geo., & Co. (successors).
McIver, J. M., flour, Gulf, N. C.
McJunkin Machine Co., machsts. & fndrs., Sistersville, W. Va.
McKaig-Hatch, Inc., 1584 Niagara St., Buffalo, N. Y.
McKaig, Merwin, Cumberland, Md.
McKain Mfg. Co., alfalfa cleaners, neck yoke machy., etc., 919 N. Main, Los Angeles, Calif.
McKane-Lins Co., auto trunks, 81 Wisconsin, Milwaukee, Wis.
McKann, M., & Co., lmb. mfrs., Norfolk, Va.
McKanna Cut Glass Co., Honesdale, Pa.
McKay & Co., lumber, 311 California, San Francisco, Calif.
McKay & Co., W. L., 111 N. Market St., Chicago.
McKay, Angus, Co., embossed moulding, grille work, etc., 724 S. Desplaines, Chicago, Ill.
McKay Carriage Co., Grove City, Pa.
McKay Foundry Co., 17th & Missouri, San Francisco, Calif.
McKay, Geo. G., machst., Youngstown, Ohio.
McKay Machine Co., 545 Rayen St., Youngstown, O.
McKay Mfg. Co., Jno. A. Dunn, N. C.
McKay Spec. Co., advtg., Anderson, Ind.
McKean, J. S., & Sons Co., Ltd., masons' & bldrs.' matls., New Kensington, Pa.
McKean Chemical Co., Williamsport, Pa.
McKee & Bliven Button Co., Muscatine, Ia.
McKee & Co., Arthur G., 2422 Euclid Ave., Cleveland, O.
McKee & Shade, carriages, Bloomington, Ill.
McKee Const. Co., contractors, Springfield, Ill.
McKee, Geo. B., Co., paints, bldrs.' mtls., etc., 2nd & San Fernando, San Jose, Calif.
McKee-Glass Co., Jeannette, Pa.
McKee, J. L., Supply Co., machy. dlrs. & mill & factory supplies, Cortland, N. Y.
McKee Refrigerator Co., 119 Lorimer St., Brooklyn, N. Y.
McKee, R. D., whol. hdwe., Hagerstown, Md.
McKee, W. I., Lbr. Co., Quincy, Ill.
McKeefrey Iron Co., Leetonia, O.
McKeel-Richardson Hardware Co., Washington, N. C.
McKeeney & Waterbury Co., Franklin and Congress, Boston, Mass.
McKeesport 8-in. Plate Co., iron rolling mills, McKeesport, Pa.
McKeesport Steel Constr. Co., McKeesport, Pa.
McKeesport Tin Plate Co., McKeesport, Pa.
McKeever, A. Boyd, flour mills, Wardensville, W. Va.
McKeever Electric Co., 185 E. Long, Columbus, Ohio.
McKeithan, D. T., Lbr. Co., Lumber, S. C.
McKell Coal & Coke Co., Glen Jean, W. Va.
McKelvey Bros., lbr., Hollidaysburg, Pa.
McKendall, Frank D., masons' & bldrs.' matls.—contr., 519 Charles, Providence, R. I.
McKenna Brass & Mfg. Co., 1st Ave., and Ross St., Pittsburgh, Pa.
McKenna, J. L., & Co., dyewood extracts, 524 W. Broadway, New York.
McKenna, Jas. H., plumbers' supplies—jobbers, Savannah, Ga.
McKenna Lbr. Co., McKenna, Wash.
McKenna Mach'y & Mfg. Co., 1851 E. 38th St., Cleveland, O.
McKenney & Waterbury Co., 181 Franklin St., Boston, Mass.
McKenney, Chas. H., lbr., Bar Mills, Me.
McKenney, W. F., 421 Stark St., Portland, Ore.
McKenzie Brick Co., Augusta, Ga.
McKenzie Bldg. Co., contrs., Augusta, Ga.
McKenzie Furnace Co., Old Colony Bldg., Chicago.
McKenzie Mfg. Co., machsts. & fndrs., potato machy., La Crosse, Wis.
McKenzie Constr. Co., San Anutonio, Tex.
McKenzie Lumber Co., Delaware, Ohio.
McKenzie, M. A., carriages, Wichita, Kan.
McKenzie Milling Co., flour, McKenzie, Tenn.
McKeon Bros. Co., 112 W. Adams St., Chicago.
McKeown, Thos., Inc., 103 Park av., New York.
McKeown, W. O., & Sons, machsts. & fndrs., Cornwall, S. C.
McKesson & Robbins, 91 Fulton St., P. O. Box 1860, New York.
McKibban, E. E., architect, Muskogee, Oklahoma.

McKibbin, David, contractor, 2900 Frankford av., Philadelphia, Pa.
McKie Shipbuilding Co., machsts. & fndrs., 333 Border, E-B, Boston, Mass.
McKiernan & Co., Geo. F., 430 S. Green St., Chicago.
McKiernan-Terry Drill Co., 15 Park Row, New York.
McKim & Co., machsts. & fndrs., Baker, Ore.
McKim & Cochran Furn. Co., Dept. H, Madison, Ind.
McKim Fdry. Machine Co., castings, engines, plows, etc., Lockport, N. Y.
McKinlay, P., Jr., lime mfr., Garfield, Ark.
McKinney & Co., masons' & bldrs.' matls., El Paso, Ill.
McKinney & Son, Jas., Albany, N. Y. (Castings)
McKinney Co., C. S. (Brokers), 5 Nassau St., New York.
McKinney-Harrington Co., portable conveyors, loaders, etc., N. Chicago, Ill.
McKinney, J. T., Constr. Co., Lynchburg, Va.
McKinney Mfg. Co., Liverpool & Metropolitan Sts., Pittsburgh, Pa.
McKinney Steel Co., blast furnaces & iron ore, Perry Payne Bldg., Cleveland, Ohio.
McKinney & Spies, 2319 Clement av., Alameda, Calif.
McKinnon & McCarthy, turpentine, White Oak, Ga.
McKinnon Constr. Co., 70 Water, Providence, R. I.
McKinnon Dash Co., 252 Amherst, Buffalo, N. Y.
McKinnon, H. A., cornices & skylights, Helena, Mont.
McKinnon Iron Works Co., Ashtabula, O.
McKinnon, L. T., & Co., turpentine, Fendig, Ga.
McKinnon Rockaway Axe Co., Rockaway, N. J.
McKinnon Vacuum Trolley Harp Co., Box 218, Holyoke, Mass.
McKneat Mfg. Co., Easton, Pa.
McKnight & Son, masons' & bldrs.' matls., Brookville, Pa.
McKnight & Son Co., L. G., Gardner, Mass.
McKnight, C. C., & Bros., fertilizer, Senoia, Ga.
McKnight, Samuel, Hardware Co., 225 Federal, Pittsburgh, Pa.
McLachlan Bldg. Co., 112th & Pullman, Chicago, Ill.
McLagon Foundry Co., 100 Audubon st., New Haven, Conn.
McLain Co., Jas. H., Canton, O. (Now Weil-McLain Co., Michigan City, Ind.)
McLain Fire Brick Co., Fulton Bldg., Pittsburgh, Pa.

McLAIN-HADDEN-SIMPERS CO., 210 W. Washington Sq., (Adv.), Philadelphia, Pa.

McLain, John B., & Co., contractors, Newport, Ky.
McLain's System, semi-steel castings, Goldsmith Bldg., Milwaukee, Wis.
McLanahan-Stone Machine Co., Hollidaysburg, Pa.
McLanathan & Son, F. W., Lawrence, Mass.
McLane Lumber & Shingle Co., Kelso, Wash.
McLane Mfg. Co., Milford, N. H.
McLaren & Wommer, stone producers, Marietta, O.
McLaren Iron Works Co., Cleveland, O.
McLaughlin Co., Inc., pails, washtubs & oil cans, Brockport, N. Y.
McLaughlin Contracting Co., Germania Bk. Bldg., Pittsburgh, Pa.
McLaughlin, Geo. A., Aberdeen, S. D.
McLaughlin, Geo. G., Mfg. Co., boiler cleaners, machy., 24 Washington, N. Boston, Mass.
McLaughlin Glass Co., bottles, insulators, etc., 1900 E. 52d, Los Angeles, Calif.
McLaughlin, J. L., & Sons, wood handles, Bedford, Pa.
McLaughlin, K. M., lbr., Salem, N. H.
McLaughlin Sheet Metal Works, 221 J. Sacramento, Calif.
McLaughlin's Sons Co., babbitt metal, brass ingots, white bronze, spelter & caulking lead, 230 N. 12th Brooklyn, N. Y.
McLaughlin-Taylor Co., lbr., Seattle, Wash.
McLaughlin Textile Corp., sweaters, 203 Park av., Utica, N. Y.
McLaughlin, Thos., machsts., 53 Essex, Jersey City, N. J.
McLaughlin, W. T., Co., mill & factory supplies, West Roxbury, Mass.
McLaurin-Jones Co., gummed paper, etc., Brookfield, Mass.
McLaurin, H. J., Jr., lbr., Sumter, S. C.
McLaury Marble & Tile Corp., 881 E. 41st St., New York.
McLaury, D. H., Tile Co., marble wk. & flooring, 881 E. 141st, New York.
McLauthlin, Geo. T., Co., elevators, pulverizing machy., etc., 120 Fulton, Boston, Mass.
McLean & Cousens Co., htg. contrs., 65 Chandler, Boston, Mass.
McLean, Andrew, Co., buckram, shade cloth, etc., Passaic, N. J.
McLean, Frank, & Co., cornices, Jackson, Mich.
McLean Co., Andrew, 12 E. 22nd St., New York.
McLean Contracting Co., Fidelity Bldg., Baltimore, Md.
McLean Hardware Lbr. Co., Mallory Ave., Memphis, Tenn.
McLean, I. F., cooperage stock, Clifton Pk., Nashville, Tenn.
McLean, Jno., 440 Water St., New York.
McLean, John, peanut blanchers, Lockport, N. Y.
McLean Jones Oil & Supply Co., Inc., 40 Court, Boston, Mass.
McLean Lumber Co., Hugh, 940 Elk St., Buffalo, N. Y.
McLean Mfg. Co., W. B., 3042 Bigelow Blvd., Pittsburgh, Pa. (Store fixtures.)
McLean Mfg. Corp., 30 Sullivan St., New York.
McLean Tire & Rubber Co., East Liverpool, Ohio.
McLellan Mfg. Co., belt dressing, 265 W. 23rd, New York.
McLellan, Wm. L., mill & facty. supplies, Norwalk, Conn.
McLellan, Wm., M., Norwalk, Conn.
McLelland Buck & Wise Co., furniture, Dept. H, La Porte, Ind.
McLelland, John C., flour, Thornton, Tex.
McLendon Hardware Co., Waco, Tex.
McLendon, R. R., turpentine, Blakeley, Ga.
McLennan Constr. Co., 3105 Caen av., Chicago, Ill.

McLEOD & HENRY CO. (Firebricks), 360 1st St., Troy, N. Y.

McLeod & Smith, furniture, 700H Central av., Minneapolis, Ind.
McLeod & Sparks Furn. Co., Dept. H, Fort Smith, Ark.
McLeod Audit Co., The, 208 Erie Co. Bank Bldg., Buffalo, N. Y.
McLeod Leather Belting Co., Greensboro, N. C.
McLeod Lumber Co., Hattiesburg, Miss.
McLeod, R. A., Plastering Co., Inc., contrs., 1616 1st av. N., Birmingham, Ala.
McLeod, W. J., & Co., granite, Quincy, Mass.
McLeod, Ward & Co., 430 11th Ave., New York.
McLeran, R. & Co., contrs., Hearst Bldg., San Francisco, Calif.
McLoughlin Bros., toys & nov., 221 4th av., New York.
McLoughlin, Bundy & Sinsbaugh, sporting goods, 545 S. Spring, Los Angeles, Calif.
McLouth, Sidney C., Marine City, Mich.

McMAHON & CO., Water, cor. Ledge, Worcester, Mass.

McMahon & Hickey, shoe lasts, Ellicottville, N. Y.
McMahon & Son, cornices & skylights, State Center, Ia.
McMahon, J. L., & Son, See McMahon & Son (successor).
McMahon, Jas. T., Constr. Co., contrs., 1543 Farragut, St. Louis, Mo.

McMANN & TAYLOR CO., 104 John st., New York.

McMANN CO., JAMES R., 56-60 Gold St., New York.

McMann Supply Co., mill & factory supps., 319 Pearl, New York.
McManus, C. H., & Co., shoe counters, Lynn, Mass.
McManus, Edw., masons' and bldrs.' matls., 120 Bridge, Waterbury, Conn.
McManus, J. E., mill & factory supplies, 15H Andrews, Rochester, N. Y.
McManus Quarries Co., Keokuk, Iowa.
McManus, W. L., Lumber Co., Petoskey, Mich.
McMaster-Carr Supply Co., 174 N. Market St., Chicago.
McMaster, R. C., plow points, Adamsville, Pa.
McMeekan, D., Mfg. Co., 1070 Pacific, Brooklyn, N. Y.
McMeekan, David, steel merchants, 30th & Wentworth, Philadelphia, Pa.
McMeekan Mfg. Co., D., 1070 Pacific St., Brooklyn, N. Y.
McMeikan, Robert & Son, mill & facty. supps., 805 Light, Baltimore, Md.
McMichael, J. P., & Co., flour, Madison, N. C.
McMillan & Co., James, 114 Clarkson Ct., Chicago.
McMillan & Harrison, fertilizer mfrs., Mobile, Ala.
McMillan & Johnson, turpentine, Helena, Ga.
McMillan & Son, W., 10 S. La Salle St., Chicago.
McMillan & Werner, machsts. & fndrs., 516 Pearl, New York.
McMillan, A., (Oil Engines) Monadnock Blk., Chicago.
McMillan, B. F., & Bro., lbr., McMillan, Wis.
McMillan Book Co., 511 E. Water St., Syracuse, N. Y.
McMillan, C. W., & Son, granite, Barre, Vt.
McMillan Co., contrs., 1918 E. 66th, Cleveland, Ohio.
McMillan, J. T., Co., meat packers, St. Paul, Minn.
McMillan Metal Co., Savannah, Ga.
McMillan, Robt., masons' & bldrs.' matls., Painesville, Ohio.
McMillans Sons, W. H., 153 South St., New York.
McMillen Co., R., Oshkosh, Wis.
McMinnville Manufacturing Co., McMinnville, Tenn.
McMonies, W. H., & Co., harness, saddles, etc., 375 E. 6th N., Portland, Ore.

McMORRAN & CO., EDW. E., 126 N. Union St., Chicago.

McMorrow Co., contrs., 149 W. 72nd, New York City.
McMullen & Co., masons' & bldrs.' matls., Seattle, Wash.
McMullen, Arthur Co., contrs. caisson bridge & foundations, 50 Church, New York.
McMullen Machinery Co., 64-66 Ionia Ave., Grand Rapids, Mich.
McMullin, C. E., drainboards & masons' matls., 165 B'way, Fresno, Calif.
McMurray, Louis, Pkg. Co., Pontiac, Ohio.
McMurray Sulky Co., carriages, Marion, Ohio.
McMurry Contracting Co., J. W., 511 Ry. Exchange, Kansas City, Mo.
McMurtie Milling Co., flour, Belvidere, N. J.
McMurtry Mfg. Co., paint mfrs., 1533 Arapahoe, Denver, Colo.

McMYLER-INTERSTATE CO., THE, Cleveland, O.

Pres.—R. W. Kaltenbach.
V. P. & Sales Mgr.—Justin Griess.
Treas.—Elijah Bates.

Representatives:

ALA.—Birmingham—Henry C. Ashmead, Brown-Marx Bldg.
CAL.—San Francisco—C. F. Wolfradt, 615 Monadnook Bldg., Sutter 4278.
COLO.—Denver—H. W. Moore & Co., 18th & Wazee Sts., Main 5796.
ILL.—Chicago—M. E. Culhan, 648 Railway Exchange Bldg., Wabash 3285.
LA.—New Orleans—McMyler-Interstate Co., 635 Common St.
MASS.—Boston—P. I. Perkins, 110 High St., Main 7123.
MICH.—Detroit—R. B. Crenshaw, 1704 Washington Blvd. Bldg.
MO.—St. Louis—M. G. Hennessey, 1115 Boatmen's Bank Bldg.
N. Y.—Buffalo—E. McFate, 619 Genesee Bldg. New York—G. E. Titcomb, L. A. Robinson, G. L. Mynich, 1674 Woolworth Bldg., Cortland 7612.
PA.—Philadelphia—H. E. Green, 505 Fox Bldg. Pittsburgh—H. L. Musser, 458 Union Trust Bldg., Grant 4642.
WASH.—Seattle—W. R. Hendrey, Hoge Bldg.

McNab & Harlin Mfg. Co., brass bushings, posts, cocks, plugs, Paterson, N. J.
McNab Co., Bridgeport, Conn.
McNab-Grumsley Co., Inc., see Chapman & Clark (successor).
McNabb, Jno., & Son, contrs., Grand Rapids, Mich.
McNair, Alex, & Co., blue print paper, 5 N. La Salle, Chicago, Ill.
McNair Phosphate Co., fertilizer, Laurinburg, N. C.
McNair-Young Co., fertilizer, Wrens, Ga.
McNairy, A. B., & Co., paint mfrs., 1163 E. 40th, Cleveland, Ohio.
McNalby, W. A., & Co., elec. contrs., Pasadena, Calif.
McNally & Son, masons' & bldrs.' matls., St. Marys, O.
McNally, C. W., Co., plumbers' supps, jobbers, 199 E. Water, Milwaukee, Wis.
McNally, C. W. S., 45 India St., Boston, Mass.
McNally Constr. Co., 28 First Natl. Bank, Fall River, Mass.
McNally, D. E., & Co., cornices, 4 Orient, Worcester, Mass.
McNally Ranch, canned goods, La Mirada, Calif.
McNally, Robert J., water filters, 18 W. Chelton, Philadelphia, Pa.
McNamar Boiler & Mfg. Co., Bridgeport, Ill.
McNamar, Julius J. P., engines, Newark, Ohio.
McNamar Mach. Wks., Newark, O.
McNamara Bros., Fair Haven, Vt.
McNamara Bros. Co., Kloman Westpoint, Baltimore, Md.
McNamara Bros., slate for elec. purposes, Fair Haven, Vt.
McNamara, C. B., & Co., contrs., Dubuque, Ia.
McNamara, Henry L., cornices & skylights, Janesville, Wis.
McNamara, J. H., Trunk Co., 64 E. Monroe, Chicago, Ill.
McNamara-Kostner Fdry. Co., 410 S. Penn St., Indianapolis, Ind.
McNamara, L. F., boot counters, Haverhill, Mass.
McNamara, Michael, Varnish Wks., Clark & M. C. R. R., Detroit, Mich.
McNamara, Thos. J., Co., meat packers, 368 Clinn, Bridgeport, Conn.
McNatt Coffin & Casket Co., Vidalia, Ga.
McNaughton, Angus J., stone products, Battle Creek, Mich.
McNaughton-McKay Electric Co., 331 W. Jefferson St., Detroit, Mich.
McNaughton Mfg. Co., grate bar mfrs., Maryville, Tenn.
McNaughton, Wm. D., paint mfrs., 198 Lefferts pl., Brooklyn, N. Y.
McNeal Machinery Co., Joplin, Mo.
McNear Brick Agency, Monadnock Bldg., San Francisco, Calif.
McNeel Marble Co., Marietta, Ga.
McNeeley & Price, leather, 172 N. 4th, Philadelphia, Pa.
McNeil & Bro. Co., Jas., 29th & A. V. R. R., Pittsburgh, Pa.
McNeil Boiler Co., Crosier & Sweitzer sts., Akron, O.
McNeil Cooperage Co., Philipsburg, N. J.
McNeil, H. C., & Son, masons' & bldrs.' matls., Sioux City, Ia.
McNeill, Lauff & McNeill, packing box mfrs., 925 N. Halsted, Chicago, Ill.
McNeil, Lawrence W., cornices, Paterson, N. J.
McNeil Lbr. Corp., 1767 Filmore, Buffalo, N. Y.
McNeill Milling Co., flour, Fayetteville, N. C.
McNerny Motor Air Brake Co., The, Miami, Fla.
McNerny Products Co., auto brakes, 722 Golden Gate av., San Francisco, Calif.
McNicholl, John, machsts., Washington, La.
McNicol-Corns Co., china, Wellsville, Ohio.
McNicol, D. E., Pottery Co., East Liverpool, Ohio.
McNiece & Son, Wm., 515 Cherry St., Philadelphia, Pa.
McNierney Bros., stone products, Utica, N. Y.
McNulty, C. W., Co., contrs., 208 4th, Huntington, W. Va.

McNULTY, JOSEPH A. (Dry Colors), 114 Liberty St., New York.

McNULTY PAPER & TWINE CORP., 535 W. Chicago Ave., Chicago.

Pres.—W. P. McNulty.
V. P.—J. F. McNulty.
Sec—M. J. McNulty
Treas.—A. W. McNulty.

McNutt & McConnell Co., brick & sewer pipe, Brazill, Ind.
McNutt Can Sales Co., non-explosive can, 83 Chambers, New York.
McNutt, Lewis, Brazil, Ind.
McNutt, Hubert C., machsts., Woodston, Kan.
McPhail, A. M., Piano Co., 40 Waltham, Boston, Mass.
McPhee & McGinnity Co., 1624 Arapahoe St., Denver, Colo.
McPherson, J. W., & Sons, paints, Shippinsburg, Pa.
McPherson, Jos., C., cornices & skylights, Asheville, N. C.
McPherson, W. G., Co., whol. hdwe., 19th & Wilson, Portland, Ore.
McPhilben Lighting Fixture Co., 264 Fulton St., Jamaica, L. I., N. Y.
McQuade & Bannigan, masons' & bldrs.' matls., Utica, N. Y.
McQuade & Co., John, 134-136 Classon Ave., Brooklyn, N. Y.
McQuade, Jas. H., & Sons Co., contrs., Bessemer Bldg., Pittsburgh, Pa.
McQuady Milling Co., flour, McQuady, Ky.
McQuay-Norris Manufacturing Co., 2806-14 Locust St., St. Louis, Mo.
McQuay-Norris Mfg. Co. of Ind., piston pins, rings, etc., Connersville, Ind.
McQuesten, Geo., Co., lumber, 27 Kilby, Boston, Mass.
McQuest Hdwe. Co., Muscatine, Ia.
McQuilkin, Geo., machsts., Elkton, Md.
McQuillen & Chave, Inc., heat. contrs., 198 11th av., New York.
McQuinn, Robt., & Co., trunk mfrs., 422 Market, Philadelphia, Pa.

McRAE & ROBERTS, 100 S. Campbell st., Detroit, Mich.

McRae, H. A., & Co., auto accessories 2401 5th av., Troy, N. Y.
McRae Lumber Co., Corinth, Miss.
McRae Steel Co., 16-17 McGraw Bldg., Detroit, Mich.
McRainey & Bridges, lumber, Wildwood, Fla.
McRee & McNeil, turpentine, Camilla, Ga.
McReynolds, R., & Sons, carriages, 1423 L. N. W., Washington, D. C.
McRoskey & Co., mattresses, 821 Mission, San Francisco, Calif.
McShaffrey, E. & W., Co., contrs., 574 Rhodes av., Akron, Ohio.
McShaffrey, T. E., Constr. Co., 815 E. Exchange, Akron, Ohio.
McShane Bell Fndy. Co., 48 E. 41st., New York.
McShane Bell Foundry Co., Howard Ave. & B. & O. R. R., Baltimore, Md.
McTernan Rubber Mfg. Co., Reading, Mass.
McTighe Battery Co., Wilkinsburg, Pa.
McVay-Walker Co., lavatories & fittings, Braddock, Pa.
McVey John Joseph, 1229 Arch St., Philadelphia, Pa.
McVicar, Thos., cornices, Yonkers, N. Y.
McVicar, Wm. H., cornices, Yonkers, N. Y.
McVoy Sheet & Tin Plate Co., 344 W. Austin Ave., Chicago.
McVoy Tub, Pail & Pockage Co., 11th av., N. E. & Water, Minneapolis, Minn.
McWade, Wm. J., speaking tubes, 3140 S. Canal, Chicago, Ill.
McWain Canning & Packing Co., East Waterford, Me.
McWane Cast Iron Pipe Co., 3600 11th av., Birmingham, Ala.
McWane Pipe Works, Lynchburg, Va.
McWayne Co., contrs., 639 N. Wells, Chicago, Ill.
McWhinnie, Thos., wooden barrows, Poughkeepsie, N. Y.
McWhirter, W. H., Co., stone products, 82 Woolsey, Long Island City, N. Y.
McWhorter Mfg. Co. (Agl. Implts.), Riverton, N. J. (See Bateman & Companies, Inc., New York.)
McWhorter, Weaver & Co., whol. hdwe., 178 2nd av. N., Nashville, Tenn.
McWilliam Dredging Co., contrs., 232 S. Michigan av., Chicago, Ill.
McWilliams & Schulte, packing box mfrs., McLean av. & Richmond, Cincinnati, Ohio.
McWilliams Co., contrs., Exchange Bldg., Memphis, Tenn.
McWilliams, Frank, dry docks & marine ry., 1 B'way, New York.
McWilliams, Frank, machsts. & fndrs., Burgher av., West New Brighton, N. Y.
McWilliams Lumber Co., J. W. Mobile, Ala.
McWilliams Mfg. Co., wire drawing & polishing machy., bench lathes, etc., 237 Eddy, Providence, R. I.
Maag, August, Co., bakers & confectioners' utensils mfrs., 509 W. Lombard, Baltimore, Md.
Maag Gear Co., 101 Park Ave., New York.
Maas & Waldstein Co., 92 William St., New York.
Maas, A. R., Chemical Co., 308 E. 8th, Los Angeles, Calif.
Maas Carbonator Co., 2228 Clybourn, Milwaukee, Wis.

Maas-Neimeyer Lumber Co., 21st & Monon Sts., Indianapolis, Ind.

MABBS HYDRAULIC PACKING CO., 421 Manhattan Bldg., Chicago.

Mabeys Elec. Mfg. Co., 968 Ft. Wayne, Indianapolis, Ind.
Mabie, Todd & Co., 17 Maiden Lane, New York.
Mabscott Coal & Coke Co., Macdonald, W. Va.
Macallen Co., The (Mica Insulators), 16 Macallen St., Boston, 27, Mass.
Macan, Jr., Co., see W. A. Tydeman, Inc. (successor).
Macan-Heller Co., mechanical rubber goods & steam fitters' supplies, Easton, Pa.
Mac Andrews & Forbes Co., (Wall Board) 200 Fifth Ave., New York.
MacAndrews & Forbes Co., box board, Camden, N. J.
Macanite Co. of America, 18 S. 7th St., Philadelphia, Pa.
MacArthur & Kauffman, 522 Sheldon Bldg., San Francisco, Cal.
MacArthur, Jas. Co., contrs., 22 Ormond pl., Brooklyn, N. Y.
MacArthur Bros. Co., 120 Broadway, New York.
MacArthur Concrete Pile & Foundation Co., 55 John st., New York.
Macatee, W. L., & Sons, masons' & bldrs.' matls., Houston, Tex.
Macauley, H. C., Fndy. Co., Berkeley, Calif.
Macbeth Chemical Co., top dressing, 732 O'Farrell, San Francisco, Calif.
Macbeth-Evans Glass Co., Chamber of Commerce Bldg., Pittsburgh, Pa.
MacCrae Truck Co., Scranton, Pa.
MacCarthy & Harper, whol. hdwe., 345 N. Calvert, Baltimore, Md.
MacCordy Tool & Die Co., Fulton, N. Y.
MacCleary, J. H., railroad equip., Suffolk, Va.
MacConnell, W. F., Co., contrs., Spring Grove & Straight, Cincinnati, Ohio.
MacCordy Button Mach. Co., Amsterdam, N. Y.
MacCormack, W., fertilizer mfrs., Wolcott, Conn.
Macdiarmid & Co., masons' & bldrs.' matls., Newport, Vt.
MacDonald & Co., 454 Montgomery St., San Francisco, Calif.
MacDonald & Co., 398 Kansas, San Francisco, Calif.
MacDonald & Harrington, box shooks & lbr., 16 California, San Francisco, Calif.
MacDonald Builders, 544 Bldrs. Exch., Minneapolis, Minn.
MacDonald, C. E., Co., upholstered furniture, Tacoma, Wash.
MacDonald Colliery Co., coke, Macdonald, W. Va.
Macdonald Engineering Co., 53 W. Jackson Blvd., Chicago.
Macdonald-Krause Lumber Co., Rhinelander, Wis.
Macdonald Mfg. Co., 5015 Wellesley Ave., S. E., Cleveland, O.
MacDonald, Murdo F., granite, South Ryegate, Vt.
MacDonald, W. W., 5th & Harrison, San Francisco, Calif.
MacDougald Const. Co., Healy Bldg., Atlanta, Ga.
MacDuff, Robt. A., & Co., contrs., 376 Richmond, Providence, R. I.
Mace & Co., L. H., 55 E. 150th St., New York.
Mace & Mansfield, fertilizer mfrs., Greenville, Ohio.
Mace Adv. Agency, Lehman Bldg., Peoria, Ill.
Macey Co., The, 1520 Division St., S. E. Grand Rapids, Mich.
MacGillis & Gibbs Co., The, Milwaukee, Wis.
MacGovern & Co., Inc., 114 Liberty, New York.
Macgowan & Finegan Cordage Co., twine, Whse., E. St., St. Louis, Mo.
MacGregor, Thos. F., cornices, Schenectady, N. Y.
MacGruer & Simpson, plaster, stucco work, etc., 266 Tehama, San Francisco, Calif.
Mach Mfg. & Engng. Co., Council Bluffs, Ia.
Machen Electric Mfg. Co., receptacles, 4639 E. Thompson, Philadelphia, Pa.
Machenheimer Bros., machsts. & fndrs., Port Angeles, Wash.
Machetanz, F., leather, Kenton, Ohio.
Machine Appliance Corp., 351 Jay St., Brooklyn, N. Y.
Mach. & Tool Equip. Co., 317 Perry, Trenton, N. J.
Machined Steel Casting Co., The, Alliance, Ohio.
Machy & Equipment Co., Inc., scrap metals & second hand machy., 225 Sherman av., Newark, N. J.

MACHINERY COMPANY OF AMERICA, 906 N. State St., Big Rapids, Mich.
Pres.—A. W. Filstrup.
V. P.—W. S. Paden.
Secy.—L. B. Hanchett.
Treas.—R. V. Hanchett.
Seattle, Wash.—53 First Ave., S. A. L. Peter.
Factories: Benton Harbor, Mich., Grand Rapids, Mich., and Big Rapids, Mich.

Machine Products Co., E. 179th & St. Clair, Cleveland, Ohio.
Machine Specialty Co., piston pins, Ann Arbor, Mich.
Machine Steel Casting Co., Alliance, Ohio.
Machinery, trade publications, 140 Lafayette, New York.
Machy. Equip. Co., mill & factory supps., Boston, Mass.
Machy. Exchange, second-hand machy., 3223 1st av. S., Seattle, Wash.
Machinery Forging Co., The, Hamilton & Marquette Sts., Cleveland, O.
Machinery Market Co., Inc., The, 213-215 N. Desplaines st., Chicago.
Machy. Pipe Supply Co., 200 9th, San Diego, Calif.
Machy. Supply Co., see Machinery Pipe Supply Co. (successor).
Machinery Utilities Co., 501-5th Ave., New York.
Machinery Warehouse Co., 7400 S. Ashland Ave., Chicago.
Machinists Foundry Co., Muncie, Ind.
Machinists Supply Co., 19-21 Jefferson St., Chicago.
Machinists Supply Co., 324 3rd Ave., Pittsburgh, Pa.
Machler, Paul Co., ovens, 807 W. Lake, Chicago, Ill.
Machlett & Son, E., 153 E. 84th St., New York.
Machod Signal Co., Inc., Louisville, Ky.
Machold & Riddell, Stephen Girard Bldg., Philadelphia, Pa.
Machover, S., second hand bags & bagging, 334 Water, New York.
Machwirth Bros. Co., 201-209 Oak St., Buffalo, N. Y.
Mac-It Parts Co., set hollow screws, Lancaster, Pa.
Mack & Co., 100 Brown's Race, Rochester, N. Y.
Mack Automatic Heat Regulator Co., 313 Bates, Detroit, Mich.
Mack Bros., tubular boilers, 409 Marcellus, Syracuse, N. Y.
Mack Bros. Motor Car Co., Allentown, Pa.
Mack Co., W. A., 25 Shattuck St., Lowell, Mass.
Mack Fndy. & Mach. Co., Wilkinsburg, Pa.
Mack, Henry, traveling bags & suit cases, 104 Prospect, Jersey City, N. J.
Mack Iron & Wire Wks. Co., Sandusky, O.
Mack, Jas., & Co., adv. spec., 18 So. 5th av., Chicago, Ill.
Mack Mfg. Co., common brick, New Cumberland, W. Va.
Mack Mfg. Co., Scanlon Bldg., Houston, Tex.
Mack Mfg. Co. (Brick), Wheeling, W. Va.
Mack Paving & Constr. Co., Newton La. & C., Philadelphia, Pa.
Mack Trunk Co., Ltd., 840 Common st., New Orleans, La.
Mackall Paine Veneer Co., Vancouver, Wash.
MacKay & Austin, Inc., poppet valves, Emeryville, Calif.
MacKay, Geo., & Co., whol. hdwe., Dept. H, Ocala, Fla.
Mackay, Kenneth, & Co., contrs., Yonkers, N. Y.
Macke Marble & Granite Co., 2311 2nd av., Birmingham, Ala.
Mackee & Williams, archts., Newport News, Va.
MacKellar's Sons Co., R. (Charcoal), Peekskill, N. Y.
Mackemer, J. W., & Co., masons' & bldrs.' matls., Peoria, Ill.
MacKenzie, Geo. M., dumb waiters & freight elev., East & Water, New Haven, Conn.
Mackenzie, J. P., lumber mfrs., North Tonawanda, N.Y.
MacKenzie's Sons Co., Duncan, Hamilton & Clark St., Trenton, N. J.
Mackey Brick & Tile Mfg. Co., San Antonio, Tex.
Mackey, M. E., brick, Verplanck, N. Y.
Mackie-Lovejoy Mfg. Co., 1701 W. 13th St., Chicago.
Mackin, J. A., Co., gear & rope lubricants, etc., 705 Gilbert, Columbus, Ohio.
Mackin Oil Gauge Co., 33 N. Foster, Worcester, Mass.
Mackin, Stephen, Mfg. Co., special machy., oil gauges, 54 Herman, Worcester, Mass.
MacKinnon, F., Mfg. Co., wagons, Grand Rapids, Wis.
MacKinnon, Holmes & Co., Ltd., Sherbrooke, Quebec, Can.
Mackintosh, D., & Sons Co., absorbent cotton, Holyoke, Mass.
Mackintosh, Hemphill & Co., Ft. 12th St., Pittsburgh, Pa.
Mackintosh-Truman Lumber Co., 2401-3 L. C. Smith Bldg., Seattle, Wash.
Mackley, Geo. J., Mineral City, O.
Macknet, Dan, masons' & bldrs.' matls., Decatur, Ill.
Macknet Grate Bar Co., mfrs., 32 Nassau, New York.
Macksburg Tool Co., Macksburg, Ohio.
MacLac Co., shellac, 9 Cliff, New York.
MacLean & Company, First Natl. Bank Bldg., Pittsburgh, Pa.
MacLean & McCurdy, dumping carts, Dorchester, Boston, Mass.
MacLean Box Factory, 166 Elk, Buffalo, N. Y.
MacLean Constr. Co., 76 W. Monroe, Chicago, Ill.
Maclean, J. S., store fixtures, Spring & Water, Columbus, Ohio.
MacLean Underfeed Stoker Co., Ltd., Toronto, Ont., Can.
Maclear Mfg. & Supply, 341 Navajo, Denver, Colo.
MacLeary, J. H., Suffolk, Va.
MacLeod & Co., hemp & jute imptrs., 82 Beaver, New York.

MACLEOD CO., 2227 Bogen, Cincinnati, O.

MacLeod Mfg. Co., window cleaners, jigs, spec. machy., etc., 2640 Greenview av., Chicago, Ill.
MacMartin Adv. Agency, Security Bldg., Minneapolis, Minn.
MacMeth Co., 146 Lafayette St., Newark, N. J. (Ticket Punches.)
MacMillan, John W., 201 N. Los Angeles, Los Angeles, Calif.
Mac Mullen & Co., 1122 Clawhill, Philadelphia, Pa.
MacMurphy Fertilizer Co., Charleston, S. C.
MacNeal & Co., Jas. B., Warner and Wooster Sts., Baltimore, Md.
MacNichol Packing Co., Eastport, Me.
Macomb Sewer Pipe Works, Macomb, Ill.
Macomber & Co., H. S., 150 Milk St., Boston, Mass.
Macomber, Geo. B. H., Co., contrs., 44 Bromfield, Boston, Mass.
Macomber & Whyte Rope Co., see Macwhyte Co. (successors).
Maco Products Co., plumbers supplies, 2534 E. 77th, New York.
Macon Box & Lbr. Co., 6th & Ocmulgee, Macon, Ga.
Macon Concrete Roller Co., Macon, Ga.
Macon Cooperage Co., Division & Boundary, Macon, Ga.
Macon County Oil Co., Tuskegee, Ala.
Macon Crate & Basket Co., 10th & Oak, Macon, Ga.
Macon, Jr., Easton, Pa.
Macon Mattress Mfg. Co., Macon, Ga.
Macon Sewer Pipe Works, Macon, Ga.
Macon Supply Co., masons' matls., 7th & Mulberry, Macon, Ga.
Macon Veneer Co., Ft. Tupelo, Macon, Ga.
MacRae, Hector C., 314 St. Paul, Baltimore, Md.

MacRAE'S BLUE BOOK CO., 18 E. Huron St., Chicago.
Albert MacRae. **C. H. Hill.**
Thos. H. MacRae. **R. G. Wilson.**
Lloyd Simonson.
Cleveland, O.—303 Buckeye Bldg., F. O. Rice.
New York—70 Fifth Ave., R. A. Holme, R. S. Lundy.
Philadelphia—5 S. 18th st., D. N. Peirce.
San Francisco, Cal.—1202 Hearst Bldg., W. J. McCamman.

Macrodi, F., Fibre Co., bobbins, spools, etc., Woonsocket, R. I.
Macs Products Co., plumbers supplies, 154 Nassau, New York.
Mac-Sim-Bar Paper Co., Otsego, Mich.
Macungie Brass & Mfg. Co., Macungie, Pa.
MacWatty Belting Co., Providence, R. I.
Macwatty, D., & Co., mill & facty. supplies, 97 Worcester, New York.
Macwell Milling Corp., flour, Fulton, N. Y.

MACWHYTE COMPANY (wire rope), Kenosha, Wis.
Pres.—Geo. S. Whyte.
Sec.—J. S. Whyte.
Treas.—H. E. Sawyer.
Chicago, Ill.
New York.
Pittsburgh, Pa.
Portland, Ore.
San Francisco, Cal.
Seattle, Wash.

Macy, Chas. W., Co., masons' & bldrs.' matls., Hudson, N. Y.
Macy, Frank R., cornices, Hudson, N. Y.
Madary's Planing Mill, Inc., Fresno, Cal.
Madco Fndy. & Machy. Co., castings mfrs., Phoenixville, Pa.
Madden & Gaskill, fndrs., Millville, N. J.
Madden & Morrison File Co., Middletown, N. Y.
Madden Boiler Wks., Hollidaysburg, Pa.
Madden Bros. Co., machsts. & fndrs, Rushville, Ind.
Madden Co., Inc., R. H., Middletown, N. Y.

MADDEN COMPANY, THE (Now The Maintenance Equipment Co.), Chicago.

Madden, D. D., & Co., Inc., safety paper, 237 Farragut, Portland, Ore.
Madden Glass Co., Aberdeen, S. D.
Madden, Jerry, Shingle Co., lbr., Rapid River, Mich.
Madden, John J., furn., Dept. H, Sherman dr. & 16th Indianapolis, Ind.
Madden Lbr. Co., sash, door & blind mfrs., Troy, N.Y.
Madden, Thomas & Sons Co., lounges, Fletcher & C. C. C. & St. L., Indianapolis, Ind.
Maddock & Co., 40 N. 6th St., Philadelphia, Pa.
Maddock & Sons, John, Muirheid Ave., Trenton, N. J.
Maddock Textile Co., cotton mops, Milford Centre, Ohio.
Maddock's Sons Co., Thos., Ewing & Perry Sts., Trenton, N. J.
Maddox Fndy. & Mach. Co., Archer, Fla.
Maddox Mach. Co., woodworking machy., Jamestown, N. Y.
Maddox Table Co., 101 Harrison, Jamestown, N. Y.
Madeira, Hill & Co., N. American Bldg., Philadelphia, Pa.
Mader Bros. & Co., tanks, Lebanon, Pa.
Madera Sugar Pine Co., Madera, Calif.
Madewell Pipe & Culvert Wks., E. 12th & 25th av., Oakland, Calif.
Made-Well Furniture Co., 6000 Boyle av., Huntington Park, Calif.
Madigan Lumber Co., Dunkirk, N. Y.
Madill Grain & Elevator Co., flour, Madill, Okla.
Madill Oil & Cotton Co., see Farmers Cotton Oil Co. (successors).
Madison Auto & Mach. Co., Madison, Ga.
Madison Basket Co., willow ware mfrs, Madison, O.
Madison Brass Works, 2226 Waubesa St., Madison, Wis.
Madison Brick Co., Madison, Ind.
Madison Coal Corp., 910 S. Michigan blvd., Chicago, Ill.
Madison Constr. Co., Anderson, Ind. & 212 Clay, Baltimore, Md.
Madison Cooper Co., Calcium, N. Y.
Madison Fertilizer Co., Madison, Ga.
Madison Foundry Co., 935 Addison Rd., Cleveland, O.
Madison Glue Mfg. Co., Inc., 97 Beekman, New York.
Madison Iron Wks., archl. & orn., 449 E. 120th, New York.
Madison-Kipp Corporation, Madison, Wis.
Madison Machine Co., machsts. & fndrs., Madison, Ind.
Madison Machine Tool Co., 1245 E. Washington Ave., Madison, Wis.
Madison Mfg. Co., Muskegon, Mich.
Madison Mill & Grain Co., Madison, S. D.
Madison Motors Corp., Anderson, Ind.
Madison Pattern & Flask Works, see Hines Pattern & Mfg. Co. (successors).
Madison Plow Co., Madison, Wis.
Madison Saddlery Co., Madison, Wis.
Madison Tent & Awning Co., Madison, Wis.
Madison Wheel Co., Madison, Ohio.
Madisonville Drain Tile Co., Madisonville, Ky.
Madisonville Flouring mills, Madisonville, Tenn.
Madisonville Milling Co., flour, Madisonville, Ky.
Madisonville Saw & Planing Mill, Madisonville, La.
Madmar Quality Co., toys, Utica, N. Y.
Madorie, Edgar P., Continental Bldg., Kansas City, Mo.
Madry, J. W., brick, Scotland Neck, N. C.
Madsen & Wistoft Constr. Co., Poughkeepsie, N. Y.
Madsen Constr. Co., Builders Exch., Minneapolis, Minn.
Madsen Iron Wks., hotel ranges, asphalt plant bldrs., etc., 5529 Becket, Huntington Park, Calif.
Maeder Steel Products Co., for buggy bows, 617 Vaughn, Portland, Ore.
Maeglin, Gustave, brick, Muscatine, Ia.

MAEHLER COMPANY, THE, (Ovens, Tanks, Etc.), 2210 W. Lake St., Chicago.
Pres. & Treas.—Paul Maehler.
Sec. & Gen. Mgr.—Arthur E. Maehler.
Boston, Mass.—1009-19 Milk St.
Eastern District Office:
Rochester, N. Y.—921 Granite Bldg., R. C. Schwarz.

Maendler Brush Mfg. Co., 138 E. 9th St., St. Paul, Minn.
Maer Knitting Mills, sweaters, cardigans, etc., 392 B'way, New York.
Maes, Jacob, brick, 2703 Meramec, St. Louis, Mo.
Maescher & Co., meat packers, 1754 Central av., Cincinnati, Ohio.
Maesser, Chas. V., & Co., contrs., 2106 Florence av., Cincinnati, Ohio.
Maestri, Francis & Paul Furn. Co., Dept. H, Custom House & Rampart, New Orleans, La.
Maganus Constr. Co., 294 Washington, Boston, Mass.
Magarll, Morris, mattresses, 19 Moore, Brooklyn, N. Y.
Magee & Richards, tailors' squares, 223 Grand, New York.
Magee & Son, M., 138 Fulton St., New York.
Magee, Alonzo H., radiator valves, 50 Vesey, New York.
Magee Bros., packing box, Janesville, Wis.
Magee, C. L. C., 601 St. Clair St., Chicago.
Magee Carpet Co., 230 Fifth av., New York.
Magee Carpet Co., The, Bloomsburg, Pa.
Magee Furnace Co., Inc., 33 Union St., Boston, Mass.
Magee, Jno. A., Co., whol. hdwe., Clarion, Pa.
Magee Mfg. Co., brass & iron bedsteads, 1518 Tchoupt., New Orleans, La.
Magee Sheet Metal Mach'y Co., 3916 Vernon Ave., Detroit, Mich.
Magee Steam Specialty Corp., 50 Vesey, New York.
Magee Webbing Co., James, Bloomsburg, Pa.
Mager & Gouglemann, artificial eyes, 104 E. 12th, New York.
Mager, C., ale & beer pumps, 314 W. 39th, New York.
Maggard, L. D., & Co., cross ties, Paintsville, Ky.
Magic-Keller Soap Wks., 1201 Story av., Louisville, Ky.
Magic Bros., lubrg. oils, 110 S. Clinton, Chicago, Ill.
Magill, J. R., canned goods, Bellingham, Wash.
Magin, P. F., & Co., see McLear Mfg. Co. (successor).
MaGirl, P. H., hot air furnaces, Bloomington, Ill.
Maglathlin, F. W., & Co., tacks, Kingston, Mass.
Magley Bros., machsts. & fndrs., Columbia City, Ind.
Magna Metal Corp., Doremus av., Newark, N. J.
Magnan, N. J., Co., tennis rackets, North Attleboro, Mass.
Magnavox Co., loud speakers, 2725 E. 14th, Oakland, Calif.
Magner Bros., paints, 414 9th, San Francisco, Calif.
Magnesia Covering Co., see Keasbey & Mattison (successor).
Magness, R. L., & Co., canned goods, Emmorton, Md.
Magnet Cement & Dressing Co., glue mfrs., Primos, Pa.
Magneta Co., clocks, time recorders & stamps, 12 John New York.
Magnetic Clock Co., 37 E. 28th St., New York.

MAGNETIC MANUFACTURING CO., 279 23d Ave., Milwaukee, Wis.
Pres. & Treas.—R. H. Stearns.
Secy.—J. P. Bethke.
Birmingham, Ala.—Brown-Marx Bldg., Manufacturers Selling Agency.
Chattanooga, Tenn.—702 James Bldg., Nixon-Hasselle.
Chicago—63 W. Jackson Blvd., W. H. Williams.
Cincinnati, O.—317 1st National Bank Bldg., G. H. Armstrong.

(Continued on following page)

MAGNETIC MANUFACTURING CO.—Continued.
Cleveland, O.—226 Superior Ave., N. W., L. H. Brady.
Detroit, Mich.—218-219 General Motors Bldg., G. R. Horn.
Grand Rapids, Mich.—220 Ashton Bldg., Geo. H. Dettling.
Los Angeles, Cal.—1315 E. 7th St., Sutor & Co.
New York—1689 Woolworth Bldg., K. I. Clisby.
North Tonawanda, N. Y.—271 Tremont St., C. H. Salmon.
Philadelphia, Pa.—Room 811, Schaff Bldg., 1505 Race St., L. O. Morrow.
Pittsburgh, Pa., 364 Union Trust Bldg., C. J. Mundo.
Portland, Ore.—312 McKay Bldg.
Rochester, N. Y.—116 St. Paul St., Ingersoll-Erskine-Healy Co., Inc.
Salt Lake City, Utah—Dooly Bldg., Riser-Merry Co.
San Francisco, Cal.—111 New Montgomery St., A. S. Lindstrom.
St. Louis, Mo.—619 Bank of Com. Bldg., Thomas E. Beasley.
Seattle, Wash.—95 Connecticut St., Geo. H. Maire.

Magnetic Separator Co., 525 River St., Troy, N. Y.
Magnetic Signal Co., 1334 E. 6th St., Los Angeles, Calif.
Magnetizer Mfg. Co., 6110 S. Main, Los Angeles, Calif.
Magneto Attachment Co., 3608 Park av., New York.
Magneto Parts & Service Co., 600 Bergen av., New York.
Magneto Sales Co., 250 W. 54th St., New York.
Magnetol Printing Ink Co., 461 8th av., New York.
Magnis Co., Inc., castings, 860 N. Main, Los Angeles, Calif.
Magnolia Cotton Mills Corp., Magnolia, Miss.

MAGNOLIA METAL COMPANY, 113-115 Bank St., New York.

Smelters—Bayway, N. J., Arlington Heights, Ill.

Branch Offices:
CAL.—San Francisco—Pacific Bldg.
ILL.—Chicago—Fisher Bldg.
CAN.—Montreal, Que.—37 Shannon St.

Distributors and Representatives:
ALA.—Andalusia—Benson Hardware Co.
Bessemer—Long Lewis Hdwe. Co.
Mobile—Barnes Creary Supply Co.
Turner Supply Co.
Opelika—Phillips Hardware Co.
Tuscaloosa—Allen & Jemison Co.
ARIZ.—Kingman—Central Commercial Co.
Phoenix—Arizona Hdwe. & Sup. Co.
Pratt-Gilbert Co.
ARK.—Arkadelphia—Arkadelphia Hardware Co.
Benton—John L. Hughes & Son.
Fort Smith—Speer Hdwe. Co.
Little Rock—Central Supply Co.
Prescott—Prescott Hdwe. Co.
CAL.—Long Beach—American Ave. Hdwe. Co.
Los Angeles—California Hardware Co.
California National Supply Co.
Duncommen Corp.
Harper Reynolds Corp.
R. M. Hartwell Co.
W. T. McFie Supply Co.
Union Hardware & Metal Co.
Warren & Bailey Co.
Oakland—Maxwell Hdwe. Co.
Sacramento—Schaw-Batcher Co.
The Thomson Diggs Co.
San Francisco—Associated Sup. Co., 79 New Montgomery St., Karny 4800.
Baker, Hamilton & Pacific Co., 700 7th St., Park 9000.
Dunham, Carrigan & Hayden, Kansas & Division Sts., Park 9500.
General Machy. & Sup. Co., 39 Stuyvesant St., Sutter 6750.
Marshall-Newell Sup. Co., Spear & Mission Sts., Sutter 6585.
C. W. Marwedel, 76 1st St., Douglas 4180.
Waterhouse & Lester Co., 540 Howard St., Garfield 4040.
Stockton—Austin Brothers.
COLO.—Colorado Springs—Lowell Meservey Hdwe. Co.
Denver—Moore Hdwe. & Iron Co.
Grand Junction—Biggs-Kurtz Hdwe. Co.
Leadville—Western Hdwe. Co.
Ouray—Ouray Hdwe. & Sup. Co.
CONN.—Bridgeport—Chapin & Bangs Co.
Derby—F. Hallock Co.
Hartford—L. L. Ensworth & Son.
Hartford Mill Sup. Co.
Meriden—Church & Morse.
New Britain—American Hardware Corp.
Rackliffe Brothers, Inc.
New Haven—N. T. Bushnell Co.
C. S. Mersick & Co.
Simmons Hdwe. Co.
Norwich—Preston Brothers Co.
DEL.—Wilmington—Delaware Electric & Sup. Co.
D. C.—Washington—Rudolph & West Co.
Thos. Somerville Co.
FLA.—Gainesville—Baird Hardware Co.
Jacksonville—Geo. E. Chas Co.
Farquhar Machinery Co.
Merrill-Stevens Dry Dock & Repair Co.
Ocala—Geo. Mackay & Co.
Sanford—Ball Hardware Co.
Tampa—Knight & Wall Co.
GA.—Albany—Albany Hdwe. & Mill Supply Co.
Georgia Mill Supply Co.
Americus—Sheffield Co.
Atlanta—Beck & Gregg Hdwe. Co.
Augusta—Lombard Iron Works & Sup. Co.
Brunswick—United Supply Co.
Macon—Dunlap Hardware Co.
Merritt Hardware Co.
Taylor Iron Works & Sup. Co.
Savannah—Pierce, Butler & Pierce Mfg. Corp.
Savannah Ship Chandlery & Sup. Co.
Semmes Hdwe. Co.
J. D. Weed & Co.
Thomasville—James Watt & Bros.
ILL.—Alton—Beall Brothers Supply Co.
Cairo—Reed Hardware & Mfg. Co.
Chicago—Barrett-Christie Co., 37 S. Clinton St., Franklin 4731.
C. H. Besly & Co., 118 N. Clinton St., Franklin 1222.
H. Channon Co., 149 N. Market St., Franklin 0380.
Chicago Engineer Supply Co., 68 W. Lake St., Central 4976.
Great Lakes Supply Co., 3217 E. 92nd St., South Chicago 7600.
Samuel Harris & Co., 114 N. Clinton St., Main 2402.
Danville—Inland Supply Co.
Du Quoin—Blakeslee Mfg. Co.
East St. Louis—Excelsior Tool & Machine Co.
Murphysboro—Egyptian Iron Works.
Peoria—R. Herschel Mfg. Co.
Rockford—Swords Brothers.
Springfield—Fred P. Schlitt.
Streator—Williams Hardware Co.
IND.—Indianapolis—Central Rubber & Supply Co.
Indianapolis Belting & Supply Co.
Lafayette—Biggs Pump & Supply Co.
Logansport—Baker Specialty & Supply Co.
Muncie—Geo. Keiser & Co.
Terre Haute—Power Supply Co.
IA.—Burlington—Drake Hardware Co.
Davenport—Louis Hanssens Sons.
Fort Dodge—Leighton Supply Co.
Sioux City—Knapp & Spencer Co.
KAN.—Atchison—Blish, Mize & Silliman Hdwe. Co.
A. J. Harwi Hdwe. Co.
Hutchinson—Graber Supply & Machy. Co.
Nelson Mfg. & Supply Co.
Pittsburg—General Machy. & Supply Co.
KY.—Ashland—Tri-State Supply Co.
Ben Williamson & Co.
Bowling Green—Warren County Hdwe. Co.
Lexington—Van Deren Hdwe. Co.
Louisville—Belknap Hardware Co.
Laib Company, Inc.
E. D. Morton & Co., Inc.
Neill—La Valle Supply Co.
Paducah—Henry A. Peter Supply Co.
LA.—Baton Rouge—Doherty Hardware Co.
Fuqua Hardware Co., Ltd.
Donaldsonville—B. Lemann & Bros., Inc.
Jeanerette—A. Moresi Co., Ltd.
Lake Charles—Murray-Brooks Hdwe. Co., Ltd.
Monroe—Ouachita Iron Works.
New Iberia—New Iberia Foundry & Mach. Shop.
New Orleans—Cahn Richards Tool & Supply Co., Inc.
Dixie Mill Supply Co., Inc.
Gibbens & Gorden, Inc.
Marine Supply Co.
C. T. Patterson Co.
Edw. Schwartz Mill Sup. Co., Inc.
Schereer Supply & Equip. Co.
Standard Supply & Hdwe. Co.
Stauffer, Eshleman & Co., Ltd.
Whitney Supply Co.
R. H. Young Co.
Shreveport—Bender Iron & Supply Co.
Lee Hardware Co., Ltd.
Superior Iron Works.
Thomas Ogelvie Hdwe. Co.
MD.—Baltimore—Carey Machy. & Supply Co.
Central Metal & Supply Co.
James Walker Co.
Wallace & Gale.
Hagerstown—R. D. McKee.
Salisbury—R. D. Grier & Sons Co.
MASS.—Boston—G. R. Armstrong Manufacturers' Supplies, Inc., 130 High St., Congress 2700.
Bigelow & Dowse, 229 Franklin St., Main 5607.
Butts & Ordway Co., 33 Purchase St., Congress 0900.
Herrick Company, 49 Broad, Main 6392.
Fall River—Leonard S. Chase.
Fitchburg—Fitchburg Hardware Co.
Holyoke—J. Russell & Company.
New Bedford—S. C. Lowe Supply Co.
Taunton—Pierce Hdwe. Co.
Worcester—Brierly Lombard Co.
Duncan & Goodwell Co.
MICH.—Detroit—Boyer Campbell Co.
Grand Rapids—A. L. Holcomb Co.
Houghton—I. E. Swift & Co.
Muskegon—Muskegon Hardware Co.
Port Huron—Beard Cambell & Co.
Saginaw—Flack Pennell Co., Inc.
Sault Ste. Marie—Soo Hardware Co.
MINN.—Duluth—Kelly-How-Thomson.
Minneapolis—Geo. A. Clark & Son.
Hall Hardware Co.
Hudson Mfg. Co.
Janney, Semple, Hill Co.
W. S. Nott Co.
St. Paul—Farwell, Ozman & Kirk Co.
Hackett-Gates-Hurty Co.
Nichols, Dean & Gregg.
MISS.—Columbus—F. M. Jacob.
Laurel—F. Gardner Hdwe. & Sup. Co.
Meridian—Tom Lyle Hardware Co.
MO.—Kansas City—Moore Bros., Inc., 517 Delaware St., Victor 7410.
Richards & Conover Hdwe. Co., 5th & Wyandotte Sts., Main 7600.
Stowe Supply Co., 13th & Hickory Sts., Main 3390.
St. Louis—Handlan-Buck Mfg. Co., 210 N. 3rd St., Main 231.
N. O. Nelson Mfg. Co., 938 Chestnut St., Main 3620.
St. Louis Machinists' Supply Co., 920 Bury St., Olive 405.
Schroeter Brothers Hdwe. Co., 810 Washington, Main 3570.
Standard Sanitary Mfg. Co., 4140 Forest Park, Lindell 6530.
MONT.—Missoula—Missoula Mercantile Co.
NEB.—Lincoln—Western Supply Co.
Omaha—Lee-Kuntze Hdwe. Co.
Omaha Baum Iron Store, Inc.
Wright & Wilhelmly Co.
N. J.—Bayonne—U. S. Hardware Co.
Elizabeth—Elizabeth Hdwe. Co.
Jersey City—E. A. Gibbons Co.
John S. Menagh.
Newark—Banister & Pollard.
Crane & Milligan.
Foster Brothers.
Jones & Auerbacher, Inc.
Ludlow & Squier.
William S. Roe.
New Brunswick—M. Frisch & Sons.
Perth Amboy—W. H. McCormick & Sons, Inc.
Trenton—Standard Supply & Equip. Co.
N. Y.—Albany—Albany Hdwe. & Iron Co.
Brooklyn—Kasper & Koetzle Hdwe. Co.
Elmira—Barker Rose & Clinton Co.
Glens Falls—J. E. Sawyer & Co., Inc.
New York—Braunfels Browning & Co., 1940 Park Ave., Harlem 4760.
A. P. Dienst Co., Inc., 2640 3rd Ave., Mott Haven 5430.
Hammacher, Schlemmer & Co., 133 4th Ave., Stuyvesant 7000.
Manning, Maxwell & Moore, Inc., 100 E. 42nd St., Vanderbilt 6120.
John Simmons Co., 82 Beaver St., Bowling Green 0604.
Patchogue—E. Bailey & Sons.
Plattsburg—A. H. Marshall Co., Inc.
Rochester—Haverstick & Co.
Syracuse—Burhans & Black.
Alexander Grants Sons.
Syracuse Supply Co.
Troy—J. M. Warren & Co.
Utica—Charles Millar & Son Co.
N. C.—Fayetteville—Huske Hardware Co.
Greensboro—Odell Hardware Co.
Monroe—Monroe Hardware Co.
Morgantown—Morgantown Hdwe. Co.
New Bern—New Bern Iron Works & Sup. Co.
Salisbury—Rowan Hdwe. & Mach. Co.
O.—Cincinnati—E. A. Kinsey Co.
Queen City Supply Co.
Columbus—Dreher Supply Co.
Ross-Willoughby Co.
Dayton—Klinger-Dills Co.
Findlay—Ohio Pipe Co.
Galion—Galion Iron Works & Mfg. Co.
Greenville—Treaty Co.
Ironton—Goldcamp Brothers & Co.
Lima—Crane Company.
Mansfield—Martin Hdwe. Co.
Marietta—Crescent Supply Co.
Pattin Brothers Co.
New Lexington—Perry Hdwe. Co.
Portsmouth—Standard Supply Co.
Toledo—Bostwick-Braun Co.
Warren—Park Hardware Co.
Waynesburg—Brown & Hawkes Hdwe. Co.
OKLA.—Bristow—Tim Cushing Tool & Supply Co.
American Tool & Supply Co.
Henryetta—Colonial Supply Co.
Muskogee—Oklahoma Engrg. Mach. & Boiler Wks.
Picher—Quapaw Supply Co.
Sapulpa—Creek County Hdwe. Co.
Tulsa—Bovaird Supply Co.
Frick Reid Supply Co.
International Supply Co.
Pioneer Supply Co.
Western Supply Co.
ORE.—Astoria—Fisher Brothers Co.
Portland—Avery & Co.
Honeyman Hdwe. Co.
M. L. Kline Co.
H. W. Sharp Co.
PA.—Allentown—F. Hersh Hardware Co.
M. S. Young & Co.
Bellefonte—John I. Olewine, Est.
Bethlehem—J. S. Krause Hdwe. Co.
Bradford—Emery Hardware Co.
Butler—Keystone Pipe & Supply Co.
Connellsville—Connellsville Machine & Sup. Co.
Easton—Losey & Co., Inc.
Erie—Erie Hardware Co.
Frankford—M. M. Holden & Brothers.
Greenville—Hodge Manufacturing Co.
Huntingdon—C. H. Miller Hdwe. Co.
Johnstown—Swank Hdwe. Co.
Lebanon—George Krause Hdwe. Co.
New Castle—Kirk, Hutton & Co.
Patton—Central Hdwe. & Sup. Co.
Philadelphia—Hall & Carpenter.
Maddock & Co., 40 N. 6th St., Lombard 8980.
Sees & Faber Co., 2008 N. Front St., Columbia 0530.
S. B. Shannon Hdwe. Co., 816 Chestnut st., Filbert 2274.
J. Jacob Shannon & Co., 1744 Market St., Spruce 1744.
Standard Sup. & Equip. Co., 17th & Lehigh Sts., Columbia 6400.
Pittsburgh—Frick & Lindsay Co., Sandusky & Robinson Sts., Cedar 5700.
Hukill-Hunter Co., 35 Terminal Way, Hemlock 0720.
Oil Well Supply Co., 215 Water St., Court 3268.
Pittsburgh Gage & Sup. Co., 30th & Liberty Sts., Grant 6600.
St. Marys—Scott-Graham Co.
Scranton—Chas. B. Scott Co.
Independent Supply Co.
South Brownsville—Ward Supply Co.
Sharon—Fruit-Ohl Co.
Somerset—P. A. Schell & Co.
Warren—Pickett Hdwe. Co.
Washington—Penn Mfg. & Supply Co.
Wilkes Barre—Eastern Pennsylvania Supply Co.
White Hardware Co.
York—P. A. & S. Small.
R. I.—Providence—Barker, Chadsey & Co.
Belcher & Loomis.
Providence Mill Supply Co.
Woonsocket Supply Co.
S. C.—Charleston—Bailey-Lebby Co.
Columbia—Carolina Wholesale Hdwe. Co.
Georgetown—Kaminski Hdwe. Co.
S. D.—Aberdeen—Jackson Hdwe. Co.
Sioux Falls—Larson Hardware Co.
TENN.—Bristol—Interstate Hdwe. & Sup. Co.
Clarksville—Elder Conroy Hdwe. Co.
Jellico—McComb Supply Co.
Johnson City—Summers Hdwe. Co.
Memphis—Pidgeon-Thomas Iron Co.
Nashville—Keith Simmons & Co.
Norton North & Co.
TEX.—Amarillo—Morrow-Thomas Hdwe. Co.
Beaumont—E. L. Wilson Hdwe. Co.
Dallas—Huey & Philips Hdwe. Co.
El Paso—Momsen-Dunnegan-Ryan Co.
Fort Worth—Federal Supply Co.
Nash Hardware Co.
Galveston—Black Hardware Co.
Henderson—E. J. Teller & Sons.
Houston—Petroleum Supply Co.
Longview—Longview Iron Works.
Paris—W. F. Dulaney & Sons.
San Antonio—San Antonio Mach. & Sup. Co.
Waco—D. June Machy. Co.
Wichita Falls—Maxwell Hardware Co.
VT.—Springfield—Gilman & Son.
VA.—Chase City—Proud & Nicholson.
Norfolk—Watters & Martin, Inc.
Pulaski—Price Hdwe. Co.
Richmond—James McGraw, Inc.
Roanoke—Graves Humphreys Hdwe. Co.
Nelson Hdwe. Co.
WASH.—Ballard—Ballard Hardware Co., Inc.
Everett—Lloyd Company.
Seattle—Pacific Coast Engineering Co.
Schwabacher Hdwe. Co.
Spokane—Holley-Mason Hdwe. Co.
Jensen King Byrd Co.
Tacoma—Washington Machy. Depot.
W. VA.—Bluefield—Bluefield Supply Co.
Charleston—Baldwin Supply Co.
Clarksburg—West Virginia Mine & Supply Co.
Fairmont—J. L. Hall Hdwe. Co.
Huntington—Foster Thornburg Hdwe. Co.
Miller Supply Co.

(Continued on following page)

M

MAGNOLIA METAL COMPANY—Continued.
Morgantown—Monongahela Supply Co.
New Martinsville—New Martinsville Supply Co.
Wheeling—Chas. H. Berry Supply Co.
Williamson—Persinger Hdwe. & Furniture Co.
WIS.—Green Bay—Morley Murphy Hardware Co.
Milwaukee—Frankfurth Hardware Co.
Ph. Gross Hardware & Supply Co.
John Pritzieff Hdwe. Co.
Western Iron Stores Co.
Racine—Mohr-Jones Hardware Co.
Sheboygan—Frank Geele Hardware Co.
Sturgeon Bay—Scofield Co.
Magnolia Metal Co., 431 Bryant, San Francisco, Calif.
Magnolia Petroleum Co., Galveston, Tex.
Magnolia Petroleum Co., Dallas, Tex.
Magnus, A., Sons Co., bottlers' machy. & supps., 327 W. Randolph, Chicago, Ill.
Magnus Co., Inc., brass castings, 60H Eddy, New Haven, Conn.

MAGNUS CO., INC., (formerly Hewitt Mfg. Co.), 303 Railway Exchange, Chicago.
1st V. P.—W. H. Croft.
Sec. & Treas.—M. S. Taines, New York.
V. P.—T. F. Kent, New York.
V. P.—W. G. Smith, Chicago.
Sales Mgr.—Bruce P. Owens.
Gen. Mgr.—F. H. Smith, Chicago.
Ass't. Gen. Mgr.—F. A. Croft, St. Louis.
Compt.—C. H. Griffiths, New York.
Atlanta, Ga.—F. E. Beal.
Birmingham, Ala.—F. E. Beal.
Chicago—G. H. Gunnell.
Denver, Colo.—C. A. Bodman.
Detroit, Mich.—A. J. Skillington.
Depew, N. Y.—L. C. Dodd, Gen. Mgr.
Houston, Tex.—W. H. Hogue.
Los Angeles, Cal.—F. Czerniski, Gen. Mgr.; F. R. Nagel, Mgr.
Jersey City, N. J.—G. A. Coogan.
Milwaukee, Wis.—C. H. Duback.
New Haven, Conn.—F. W. Gregory.
St. Louis, Mo.—F. A. Croft, Asst. Gen. Mgr.; L. J. Lyons, Mgr.
Topeka, Kan.—A. H. Prater.
Magnus Elec. Co., Inc., radio app., 451 Greenwich, New York.
Magnus, Henry, cornices & skylights, Winona, Minn.
Magnus, Mabee & Reinard, 257 Pearl St., New York.
Magnus, Wm. J., machsts., Webster, S. D.
Magor Car Corp., 30 Church St., New York.
Magosy & Buscher, metal spinning, 113 Walker, New York.
Magruder, Benj. E., brick, tile, Winfield, Mo.
Maguire, Chas. B., Co., contrs., Turks Head Bldg., Providence, R. I.
MaGuire Petroleum Co., The, C. L., 624 S. Michigan Ave., Chicago.
Maguire Rubber Co., 200 Fifth Ave., New York.
Maguire, Wm. G., fringes, silk upholstery, etc., Camden, N. J.
Mahady Co., E. F., 671 Boylston St., Boston, Mass.
Mahaffy Bros., woolen flannels, Pulaski, N. Y.
Mahan Co., mill & facty. supps., Winchester, Ky.
Mahan, Frank H., Ardmore, Pa.
Mahan, Jas., machsts., Canastota, N. Y.
Mahannah & Alford, auto dump hoists, bodies, & shock absorbers, 215 Spear, San Francisco, Calif.
Mahar Bros. Slate Co, Fair Haven, Vt.
Mahar, M. A., masons' & bldrs.' matls., Greenville, Ohio.
Maher & Flockhart, founders, 76 Polk, Newark, N. J.
Maher Bros. Co., furniture, Dept. H, Medina, N. Y.
Maher Bros. Corp., masons' & bldrs.' matls., Greenwich, Conn.
Maher, Dan P., Co., paint & varnish, 677 Folsom, San Francisco, Calif.
Maher, J. J. lightning rods, Preston, Iowa.
Maher, Patrick, machsts. & fndrs., Jamestown, N. Y.
Maher, Philip, & Son, stone producers, Burmont, Pa.
Mah-Jongg Sales Co. of America, toys, games, etc., 36 Spear, San Francisco, Calif.
Mahle & Son, C. A., Corry, Pa.
Mahler, P., & Sons, brushes (steel, wire, etc.), 299 Pearl, New York.
Mahike Mold & Machine Works, 1511 Eoff st., Wheeling, W. Va.
Mahlow & Wyckoff, rubbers, dies, molds, Trenton, N. J.
Mahlstedt, J. A., Lumber & Coal Co., masons' & bldrs.' matls., New Rochelle, N. Y.
Mahogany Co., Inc., Otis J. S. New Orleans, La.
Mahon, M. J. & C. M., canned goods, Ellendale, Del.
Mahon, R. C., Co., cornices & skylights & sheet metal workers, St. Aubin & E. Grand Blvd., Detroit, Mich.
Mahoney, Daniel, & Sons, mill & facty. supplies, 17 Main, Buffalo, N. Y.
Mahoney, E. H., Chair Co., Gardner, Mass.
Mahoney Mfg. Co., machsts. & fndrs., Troy, N. Y.
Mahoney, P. J., masons' & bldrs.' matls., Westfield, Mass.
Mahoney Railroad Diching Machine Co., Vincennes, Ind.
Mahoney, Wm., Mattress Co., Walpole, Mass.
Mahoning Fndy. & Machy Co., pipe fittings & sash weights, 717H Mahoning, Punxsutawney, Pa.
Mahoning Limestone Co., New Castle, Pa.
Mahoning Fdry Co., 548 Poland Ave., Youngstown, O.
Mahoning Steel Products Co., stamping works, Warren, Ohio.
Mahoning Valley Steel Co., Niles, O.
Mahr Mfg. Co., 1300 N. E. Quincy St., Minneapolis, Minn.
Maiden, Wm. M., corn brooms, Muscatine, Iowa.
Maier, Fred, & Sons, masons' & bldrs.' matls., Seneca Falls, N. Y.
Maier, Martin, & Co. trunk mfrs., 532 Woodward, Detroit, Mich.
Maier, Marx, Inc., cotton waste, 200 5th av., New York.
Maier, Sebastian, stone, St. Joseph, Mo.
Maier, Wm., machsts., 2720 N. 13th, St. Louis, Mo.
Maiers, G. F., machst., Goleta, Calif.
Maier's, John G., Sons, lacquer mfrs., 153 N. Gay, Baltimore, Md.
Maigne, O. J., Co., printers' rollers, 356H Pearl, New York.
Mailander Co., show cases, fixtures, Waco, Tex.
Mailer Bros., masons' matls., 2244 Railroad av., Fresno, Calif.
Mailliard & Schmiedell, chemical dlrs., 203 California, San Francisco, Calif.
Mail-O-Meter Co., 1093 Jefferson Ave., E., Detroit, Mich.
Mailloux, J. C., & Sons Co., mill & facty. supps., Woonsocket, R. I.
Main Belting Co., 13th & Carpenter Sts., Philadelphia, Pa.
Main Bros. Box & Lumber Co., Karnak, Ill.
Main, Chas. T., engineer, textile mills, industrial plant, steam and water power developments, 201 Devonshire, Boston, Mass.
Main Electric Co., 173 E. Water, Portland, Ore.
Main Elec. Mfg. Co., storage batteries, lighting plants, etc., Cleveland, Ohio.
Main Iron Works, 16th & Daggett Sts., San Francisco, Cal.
Main Island Creek Coal Co., Omar, W. Va.
Maine & N. H. Granite Corp., North Jay, Me.
Maine & N. H. Granite Corp., Red Stone, N. H.
Maine Electric Co., 35 Commercial, Portland, Me.
Maine, H. A., & Co., contrs. Waterloo, Iowa.
Maine, Jas., & Sons Co., contrs., Des Moines, Iowa.
Maine Machine Wks., 701 N. Main, Los Angeles, Calif.
Maine Mfg. Co., Nashua, N. H.
Mainstream Lumber Co., Gorham, N. H.
Maintenance Co., Inc., freight elev., 453 W. 42nd, New York.

MAINTENANCE EQUIPMENT CO., THE, Railway Exchange, Chicago.
Pres.—F. A. Poor.
V. P. & Sec.—H. C. Holloway.
Treas.—F. A. Preston.
Maire Paint Co., 609 N. E. Marshall St., Minneapolis, Minn.
Maisey & Dion, lumber mfrs., 2349 Loomis, Chicago, Ill.
Maish Co., Chas. A., 1125 Bank St., Cincinnati, O.
Maish Mfg. Co., machsts. & fndrs., Warsaw, Ind.
Maitland, Robert, & Son, cornices & skylights, Clinton, Mass.
Maiwurm Aluminum Wks., Erie, Pa.
Majert, Emil, Co., transfer graining paper, 9 E. 37th, New York.
Majestic Co., Huntington, Ind.
Majestic Elec. App. Co., arc lamps, 5 E. 14th, New York.
Majestic Elec. App. Co., cooking app., heaters, etc., 590 Folsom, San Francisco, Calif.
Majestic Electric Development Co., 656 Howard St., San Francisco, Cal.
Majestic Furnace Mfg. Co., 600 Terry st., Seattle, Wash.
Majestic Mfg. Co., 2134 Morgan st., St. Louis, Mo.
Majestic Milling Co., flour, Aurora, Mo.
Majestic Tire & Rubber Co., The, Cruse & Daly Sts., Indianapolis, Ind.
Major & Co., S. C., Bk. of Commerce & Trust Bldg., Memphis, Tenn.
Major & Loomis Co., Hertford, N. C.
Major Bros. Packing Co., fertilizer mfrs., Mishawaka, Ind.
Major Cromwell Lumber Co., Memphis, Tenn.
Major Electric Co., M. E., Wilkes-Barre, Pa.
Major Equipment Co., Inc., 2518 Cullom Ave., Chicago.
Major Mfg. Co., cements & water coolers, 461 Pearl, New York.
Major, R. H., & Co., lumber, Smithville, Mo.
Major-Sowers Saw Mill Co., Epley, Miss.
Major Stave Co., cooperage stock, Dept. H, Monroe, La.
Makepeace, C. R., & Co., mill engrs., 1031 & Tr. Bldg., Providence, R. I.
Makepiece, Inc., B. L. (Drawing Inst. & Mat'l), 337 Washington St., Boston, Mass.
Makin Heating Co., 1827 Filbert St., Philadelphia, Pa.
Makley Bros., carriages, St. Marys, Ohio.
Malbin, Mayer, plumbers' supplies, jobbers, 303 E. 60th, New York.
Malbon, P. J., hdwe., 109 Commercial pl., Norfolk, Va.
Malcolm & Dyer Co., cornices & skylights, Augusta, Me.
Malcolm, J. B., & Co., canned goods, Marion, N. Y.
Malcolmson Engineering & Machine Corp., Chicago. (Now Komarek-Greaves & Co.)
Malden, C. C., & Mattress Co., Malden, Mass.
Malden City Lbr. Co., masons' & bldrs.' matls., sash, door & blind mfrs., Malden, Mass.
Malden Knitting Mills, lamp wicks & sweaters, Malden, Mass.
Malecot, P. B., & Co., cornices, West Hoboken, N. J.
Males Co., steam shovels, 2226 Fulton av., Cincinnati, O.
Maley & Kelly Contr. Co., Mass. Bldg., Kansas City, Mo.
Maley & Wertz, Evansville, Ind.
Maley, Hy., Lbr. Co., Jackson, Miss.
Maley, R. S., masons' & bldrs.' matls., Daytona, Fla.
Mal-Gra Castings Co. Cambridge City, Ind.
Malin & Co., The, 2514 Vestry Ave., Cleveland, O.
Malkin, A. R. & Co., contrs., Norwalk, Conn.
Malleable Iron Fittings Co., Branford, Conn.
Malleable Iron Range Co., Beaver Dam, Wis.
Malleable Iron Works, Grove & Myrtle sts., New Britain, Conn.
Malleable Steel Range Mfg. Co., Cherry & Jefferson sts., South Bend, Ind.
Mallen, H. Z., & Co., furn., 4235 W. Lake, Chicago, Ill.
Mallery, W. A., Jr., agri. implts., Hillsdale, N. Y.
Mallett & Nutt, fertilizer, Jackson, Ga.
Mallett Contr. & Supply Co., Walker av. & Kirk, New York.
Mallett, Geo. A. Co., archt., 95 Catherine, Bridgeport, Conn.
Malley-Long Furniture Mfg. Co., Alabama & Mariposa, San Francisco, Calif.
Malley, Mary, brick, Haverstraw, N. Y.

MALLINCKRODT CHEMICAL WORKS, 2nd & Mallinckrodt st., St. Louis, Mo.
Mallison Braided Cord Co., Athens, Ga.
Mallory Bros. & Turner, turpentine, Fenholloway, Fla.
Mallory, C. M., ladders, Albion, N. Y.
Mallory, F. B., Co., loggers' blocks & supplies, 235 Pine, Portland, Ore.
Mallory Machinery Co., Rausteads Wharf, Baltimore, Md.
Mallory Mfg. Co., Flemington, N. J.

MALLORY MANUFACTURING CO., shutter workers, Flemington Nat'l Bank Bldg., Flemington, N. J.
Mallory, P. R., & Co., tungsten & molybdenum wire, Port Chester, N. Y.
Mallory, W. A., & Bro., lbr., Sylvania, Ga.
Malloy, D. C., & Co., turpentine, Hahira, Ga.
Malloy, Smith & Co., turpentine, Hampton Springs, Fla.
Malm & Co., C. A., 366 Bush St., San Francisco, Cal.
Malm & Stahl Tool Wks., spec. machy., 561 Washington, Chicago, Ill.
Malmed & Co., A. T. (Concrete Specialties), 1713 Sansom St., Philadelphia, Pa.
Malnati, A., & Co., granite, S. Quincy, Mass.
Malnati Bros., granite, Barre, Vt.
Malone Bros., carriages, Cadiz, Ky.
Malone Excelsior, Co., Malone, N. Y.
Malone Hdwe. Co., Malone, N. Y.
Malone Oil Co., 2197 E. 18th, Cleveland, Ohio.
Malone Paper Co., Malone, N. Y.
Malone, Watson, & Sons, lbr., Laurel St. Wharf, Philadelphia, Pa.
Maloney & Co., J. A., 1170 Broadway, New York.
Maloney, J. C., Son, sawdust, P. O. Box No. 2, Swissvale Branch, Pittsburgh, Pa.
Maloney, John, stone producers, Skykomish, Wash.

MALONEY LUMBER COMPANY, INC., Syracuse, N. Y.
Maloney Oil & Mfg. Co., Scranton, Pa.
Maloney, T. J., scrap iron & steel, A. V. R. R. & 29th, Philadelphia, Pa.
Maloney, T. J., 2823 Railroad St., Pittsburgh, Pa.
Maloney Tank Mfg. Co., 108 N. Peoria St., Tulsa, Okla.
Malott & Peterson, flooring & roofing, 2412 Harrison, San Francisco, Calif.
Malpass Bros., machsts. & fndrs., East Jordan, Mich.
Malsby Co., mill & facty. supps., Atlanta, Ga.
Malsby Machinery Co., 403 E. Bay st., Jacksonville, Fla.
Malta Mfg. Co., Malta, O.
Maltby & Sons Co., G. W., 21 Maryland, Buffalo, N. Y.
Maltby, C. S., magnesite ores, Humboldt Bank Bldg., San Francisco, Calif.
Maltby, W. H., & Sons, masons' & bldrs.' matls., Corning, N. Y.
Malt-Diastase Co., 79 Wall St., New York.
Malthiessen & Hegeler Zinc Co., spelter & zinc, La Salle, Ill.
Malvern Fire Clay Co., Malvern, Ohio.
Malz, Herman, glass stainers, 19 E. 14th, New York.
Mamer Bros., common brick, Campus, Ill.
Mammele, C. C., & Son, meat packers, Shipley rd., Wilmington, Del.
Mammoth Spring Milling Co., Mammoth Spring, Ark.
Mamolith Carbon Paint Co., 2nd & Main Sts. Cincinnati, O.
Manahan Bros. Heating Co., Town of Union, N. J.
Manahan Moth Paper Co., moth proof bags, 56 Vesey, New York.
Manassee-Block Tanning Co., Berkeley, Calif.
Manatee Crate Co., Inc., Manatee, Fla.
Manatee Fuller's Earth Corp., 33 Pearl, New York.
Manatee Lbr. Co., Manatee, Fla.
Manayunk Coal & Lime Co., masons' & bldrs.' matls., Main & Umbria, Philadelphia, Pa.
Manbeck, W. H., & Co., masons' & bldrs.' matls., Mifflin, Pa.
Mancha Storage Battery Locomotive Co., 1909 S. Kingshighway, St. Louis, Mo.
Manchester & Forbes Co., mill & facty. supps., Easthampton, Mass.
Manchester & Hudson Co., masons' & bldrs.' matls., 55 Point, Providence, R. I.
Manchester, Albert C., Co., contrs., 318 Dudley, Providence, R. I.
Manchester Board & Paper Co., Richmond, Va.
Manchester Cotton Mills, cotton sheetings, La Grange, Ga.
Manchester Cotton Mills, Manchester, Ga.
Manchester Cotton Mills, tickings, Rock Hill, S. C.
Manchester, E., & Sons, fertilizer mfrs., Winsted, Conn.
Manchester, Geo. L., Co., see Manchester & Forbes (successor).
Manchester Hdwe. Co., 762 Elm, Manchester, N. H.
Manchester, J. B., Co., coppersmiths, 190 Eddy, Providence, R. I.
Manchester Mfg. Co., cedar chests, table lamps, etc., 1210H S. Vandeventer av., St. Louis, Mo.
Manchester Mfg. Co., cotton twine, Macon, Ga.
Manchester Mfg. Co., machsts. & fndrs., North Manchester, Ind.
Manchester Mfg. Co., rims & felloes, Manchester, Tenn.
Manchester Mills, flour, Richmond, Va.
Manchester Sawmills, Manchester, Ala.
Manchester Supply Co., plumbers, mill & facty supps., jobbers, 79 Depot, Manchester, N. H.
Mandalian Mfg. Co., bags, mesh, North Attleboro, Mass.
Man-Day Radio Corp., parts, 135 W. 33d, New York.
Mandel, A. J., gloves & mittens, 1220 W. 6th, Cleveland, Ohio.
Mandeville Co., contrs., Wilkes-Barre, Pa.
Mandeville Mills, fertilizer, Carrollton, Ga.
Mandl, Bernard, gymnasium clothing, 212 W. Madison, Chicago, Ill.
Mandt Co., dump bodies & wagon loaders, Keokuk, Ia.
Mandt Wagon Br. of Moline Plow Co., Stoughton, Wis.
Manegold, A. F. & L., stone, 47th & State, Milwaukee, Wis.
Manegold Contr. Co., Navarre bldg., St. Louis, Mo.
Maneely, John, 309 Arch St., Philadelphia, Pa.
Manetta Mills, Lando, S. C.
Manganese Steel Forge Co., Land Title Bldg., Philadelphia, Pa.
Manganese Steel Rail Co., 30 Church St., New York.
Manganese Steel Safe Co., machsts., High Bridge, N. J.
Mangels Co., Wm. F., W. 5th St., Brooklyn, N. Y.
Manget Waste Co., 622 3d, Macon, Ga.
Manor, J. D., & Co., flour mills, New Market, Va.
Maney, M. J., wooden baskets & basket handles, Geneva, N. Y.
Maney Milling Co., flour, Omaha, Neb.
Manger, E. C., & Son Co., coffins, caskets, etc., Green Bay, Wis.
Mangold Stave & Cooperage Co., 3500 S. Grand Ave., St. Louis, Mo.
Mangrum & Otter, Inc., cooking apparatus, 827 Mission, San Francisco, Calif.
Mangrum & Otter Co., San Jose, Cal.
Mangum Cotton Oil Mill Co., Mangum, Okla.
Mangum Milling Co., flour, Mangum, Okla.
Mangum Pressed Brick Co., Mangum, Okla.
Mangus, C. B. & S. D., canned goods, Vesuvius, Va.
Manhard, M. R., & Son, mill & facty. supplies—whol. hdwe., Marquette, Mich.
Manhasset Mfg. Co., tire fabrics, Putnam, Conn.
Manhattan Bedding Co., Anable av., L. I. City, N. Y.
Manhattan Belting Co., 42 Bond, New York.
Manhattan Brass Co., 332 E. 28th St., New York.
Manhattan College engng. school & coll., 242 Spuyten-Duyvel Parkway, New York.
Manhattan Color Wks., 1035 Kelly, New York.
Manhattan Constr. Co., Muskogee, Okla.
Manhattan Dental Co., imitation platinum & non-fusing platinoids, Times bldg., New York.
Manhattan Dial Mfg. Co., 40 Lexington Ave., Brooklyn, N. Y.
Manhattan Distributing Corp., elec. portables, 608 S. Dearborn, Chicago, Ill.
Manhattan Elec. Supply Co., Inc., 604 Mission, San Francisco, Calif
Manhattan Elec. Supply Co., 112 S. Wells St., Chicago.
Manhattan Elec. Supply Co., 1106 Pine, St. Louis, Mo.
Manhattan Electrical Supply Co., Inc., Cor. Church & Warren Sts., New York.
Manhattan Fire Alarm Co., 44 E. 23d, New York.
Manhattan Furniture Co., 960 McGarry, Los Angeles, Calif.
Manhattan Gas Heating Co., 137 W. 53rd St., New York.
Manhattan Hickory Broom Co., 171 3d av., New York.
Manhattan Lime Co., 3709 Fort Hamilton Parkway, Brooklyn, N. Y.
Manhattan Lumber Co., 8338 Coml. av., Chicago, Ill.
Manhattan Machy. Exchange, 30 Church, New York.
Manhattan Metallic Casket Co., 412 E. 125th, New York.
Manhattan Paint Co., 1348 W. 70th, Cleveland, Ohio.
Manhattan Paper Co., 70 Wooster St., New York.
Manhattan Pearl Button Mfg. Co., 195 Park pl., L. I. City, N. Y.
Manhattan Perforated Metal Co., 237 Centre, New York.

Manhattan Perfected Ventilator Co., 11 Baxter, New York.
Manhattan Repair & Supply Co., machsts., 528 W. 126th, New York.
Manhattan Roll Label Co., 465 Broome, New York.
Manhattan Roofing Co., cornices & skylights, 133 E. 118th, New York.
Manhattan Rubber Mfg. Co., Willett St., Passaic, N. J.
Manhattan Sand Co., 413 E. 49th St., New York.
Manhattan Shoe Polish Co., 47 Dean, Brooklyn, N. Y.
Manhattan Soap Co., 426 W. 38th St., New York.
Manhattan Spring Bed Co., 197 Mott, New York.
Manhattan Washboard Co., 10 Jones, New York.
Manhattan Wood Nov. Co., jewelry cases, 40 Fulton, New York.
Manhattan Wood Working Co., sash, door & blind mfrs., 281 Rider av., New York.
Manheim Mfg. & Belting Co., belting mfrs., Manheim, Pa.
Manheim Mfg. & Belting Co., Suite 478, 50 Church St., New York.
Manheim Mfg. & Belting Co., Chicago and Manheim, Pa.
Manheim Milling Co., flour, Manheim, Pa.
Manheimer, J., essential oils, 271 Pearl, New York.
Manicure Nov. Mfg. Co., 358 5th av., New York.
Manierre Engineering & Machinery Co., 445 Milwaukee Ave., Milwaukee, Wis.
Manierre, Wm. R., 1447 W. Austin Ave., Chicago.
Manifold, J. M. C., masons' & bldrs.' matls., Dillonville, Ohio.
Manifold Printing Co., 2114 Woodland Ave., Cleveland, O.
Manifold Supplies Co., 188 3rd Ave., Brooklyn, N. Y.
Manion & Co., 817 Julia st., New Orleans, La.
Manion & Sunde Co., mill supplies & ship chandlery, 1009 A, Tacoma, Wash.
Manistee Drop Forge Co., Filer City, Mich.
Manistee Iron Works, Manistee, Mich.
Manitoba Rolling Mill Co., Ltd., Winnipeg, Man., Can.
Manistee Tanning Co., Manistee, Mich.
Manitowoc Boiler Works Co., locomotive, marine return tubular & tubular boilers, Manitowoc, Wis.
Manitowoc Bldg. Supply Co., sash, door & blind mfrs., Manitowoc, Wis.
Manitowoc Church Furniture Co., Waukesha, Wis.
Manitowoc Electric Implement Co., vibrators—foundry, Manitowoc, Wis.
Manitowoc Engng. Works, digestors, dryers, heavy tanks, heavy plate fabricators, Manitowoc, Wis.
Manitowoc Fdry. & Mach. Co., Manitowoc, Wis.
Manitowoc Land & Fuel Co., masons' & bldrs.' matls., Manitowoc, Wis.
Manitowoc Ship Building Co., Manitowoc, Wis.
Mankato Mfg. Co., steam & hot water contrs., Mankato, Minn.
Mankin & Co., R., R. & P. Bldg., Huntington, W. Va
Mankoff, L. G., boxes, Verden, Okla.
Manley & Sons, lumber mfrs., Bellingham, Wash.
Manley Mfg. Co., The, York, Pa.
Manley, Moore Lumber Co., Tacoma, Wash.
Manly Jail Works, Dalton, Ga.
Mann & Hunter Lbr. Co., 834 S. Salina, Syracuse, N. Y.
Mann Bros., scrap iron, Norristown, Pa.
Mann Bros. Co., 240 Ohio, Buffalo, N. Y.
Mann, Chas. A., 166 Doyle St., Providence, R. I.
Mann Co., F. W., Milford, Mass.
Mann Co., James H., Lewiston, Pa.
Mann Co., Wm., 529 Market St., Philadelphia, Pa.
Mann Corporation, Kankakee, Ill.
Mann Edge Tool Co., Lewiston, Pa.
Mann, F. R., & Son, plate glass, 437 St. Peter, St. Paul, Minn.
Mann, Geo., stone producers, Columbia av. & B. & O. R. R., Baltimore, Md.
Mann, H. D., Co., disinfectants, 1001 W. Genesee, Syracuse, N. Y.
Mann, Herbert R., & Co., pads & tablets, Troy, N. Y.
Mann, Joseph, fertilizer, Stockbridge, Ga.
Mann, Lewis M., & Son, wood handles, West Paris, Me.
Mann Lbr. Co., Henderson, Mont.
Mann Mfg. Co., 454-466 Golden Gate Ave., San Francisco, Calif.
Mann, V., fringes (silk, upholstery, etc.), 233 W. 35th, New York.
Mann, Wm., Co., 261 Broadway, New York.
Mannan-Smith Supply Co., St. Joseph, Mo.
Manne, L., Upholstering & Carpet Cleaning Co., mattresses, St. Louis, Mo.
Mannen, John E., Co., cornices, dust collectors, furnaces, etc., 2247 St. Clair, Cleveland, Ohio.
Manning & Co., L. N. (R. R. Contractors), Tucson, Ariz.
Manning Abrasive Co., Troy, N. Y.
Manning, Bowman & Co., Meriden, Conn.
Manning, L. L., & Son, stone producers, Plainfield, N. J.
Manning Mfg. Co., dairy app., Rutland, Vt.
Manning Mfg. Co., Inc., oil burners & stoves, 69 6th, Portland, Ore.

MANNING, MAXWELL & MOORE, INC., general offices, 100 E. 42nd, New York.

Ashcroft Mfg. Co. Div.
Consolidated Safety Valve Co. Div.
Hancock Inspirator Co. Div.
Hayden & Derby Mfg. Co. Div.
Shaw Crane Dept.

District Sales Offices:
Atlanta—Forsyth Bldg.
Baltimore—2704 Elsinor av.
Boston—25 Watson.
Bridgeport, Conn.
Buffalo—White Bldg.
Chicago—29 N. Jefferson.
Cincinnati—First Nat'l Bank Bldg.
Cleveland—Huron-Sixth Bldg.
Detroit—Majestic Bldg.
Fitchburg, Mass.—Newton pl.
Jersey City—446 Communipaw av.
Milwaukee—521 Grand av.
New Haven—P. O. Box 1252.
Newark—P. O. Box 358.
Philadelphia—Pennsylvania Bldg.
Pittsburgh—Park Bldg.
St. Louis—Ry. Exchange Bldg.
San Francisco—Western Manning, Maxwell & Moore, Inc., 40-42 Fremont.
Seattle—L. C. Smith Bldg.
Syracuse—833 Onondaga av.

Foreign Representatives:
Brussels, Belgium—A. Hennuy.
Paris, France—Aux Forges de Vulcaine.
Milan, Italy—Coe & Clerici.
Genoa, Italy—Coe & Clerici.
Sydney, Australia—Benson Bros.
Melbourne, Australia—Benson Bros.
Tokio, Japan—Mitsui & Co.

Manning Oil Mill, meal, ferts. mfrs., Manning, S. C.
Manning Packing Co., mill & factory supplies, 49 1st, Portland, Ore.
Manning Paper Co., John A., 661 River St., Troy, N. Y.
Manning, W. H., Lighting & Supply Co., see Manning Mfg. Co., Inc. (successors).
Mannix Bros., stone, 84 Hanover, Portland, Me.
Mannix, Patrick W., granite, W. Quincy, Quincy, Mass.
Manny, Anthony, & Co., stone producers, Hankins, N. Y.
Manny, Edward A., 5401 Westminster pl., St. Louis, Mo.
Manown Mfg. Co., fire brick, Oliver bldg., Pittsburgh, Pa.
Manross & Sons, F. N., Forestville, Conn.
Manrow Sheet Metal Works, Goshen, Ind.
Mans, Nichols A., masons' & bldrs.' matls., Trenton, Mich.
Mansel & Metzger, lumber, Williamsport, Pa.
Mansel, Jas., lumber, Williamsport, Pa.
Mansell-Hunt-Catty & Co., paper cups, 22 Reade, New York.
Mansfield & Co., Inc., 229 West St., New York.
Mansfield Brass Foundry, Mansfield, Ohio.
Mansfield Co., Walter, Menominee, Mich.
Mansfield, E., Corp., machsts. & fndrs., Orono, Me
Mansfield Electric Hardware Co., Mansfield, Ohio.

MANSFIELD ENGINEERING CO., 1011 Fletcher Savings and Trust Bldg., Indianapolis, Ind.

Mansfield Foundry Co., Mansfield, Mass.
Mansfield, Fred C., Co., canned goods, Johnson Creek, Wis.
Mansfield Furnace & Coal Co., machsts. & fndrs., Mansfield, Mass.
Mansfield, G. H., & Co., fish line, Canton, Mass.
Mansfield Hardwood Lumber Co., of La., Inc., Shreveport, La.
Mansfield Hardwood Lumber Co., Winnfield, La.
Mansfield, J. F., clocks, 9 Maiden lane, New York.
Mansfield Lock Washer Co., The, 230 N. Adams St., Mansfield, O.
Mansfield Lumber Co., Fort Smith Ark.
Mansfield Lumber Co., Mansfield, Ohio.
Mansfield Lumber & Constr. Co., Mansfield, Ga.
Mansfield Novelty Co., toys, Mansfield, Pa.
Mansfield Packing Co., canned goods, Jonesport, Me.
Mansfield Pattern Works, Mansfield, Ohio.
Mansfield Piano Co., 751 E. 135th, New York.
Mansfield, R., & Son, store & bar fix., Louisville, Ky.
Mansfield Sheet & Tinplate Co., Mansfield, O.
Mansfield Specialty & Machine Co., Mansfield, Ohio.
Mansfield Tire & Rubber Co., Mansfield, Ohio.
Mansfield Tool & Machine Co., Mansfield, O.
Manson Co., contractors, The Arcade, Cleveland, Ohio.
Manson Hdwe. Co., Burlington, Vt.
Manson, P., dock bldrs., 2407 Boylston N., Sattle, Wash.
Mansure, E. L., Co., fringes, 1601 Indiana av., Chicago, Ill.
Manteca Canning Co., Manteca, Calif.
Manteno Brick & Tile Co., Manteno, Ill.
Manternach Co., advertising counsellors, 983 Main, Hartford, Conn.
Mantha Co., W. L., Bayport, N. Y.
Manthey Bros., tents, 420 N. California, Stockton, Calif.
Manticoke Constr. Co., Manticoke, Pa.
Mantle & Co., machsts., 1907 Park av., New York.
Mantle Lamp Co., 609 W. Lake, Chicago, Ill.
Mantle Machy. & Patents Co., 27 W. 20th, New York.
Manton, John, tubular boilers, ft. of Court, Brooklyn, N. Y.
Manton & Smith Co., architectural iron, etc., 3333 W. Grand av., Chicago, Ill.
Mantorville Stone Co., Mantorville, Minn.
Manufactured Rubber Co., Franklin Bank Bldg., Philadelphia, Pa.
Manufacturers' & Inventors' Elec. Co., 29-31 Gold st., New York.
Manufacturers' & Inventors' Elec. Co., 29-31 Gold St., New York.
Mfrs. Agency, 317 Kittrell bldg., Shreveport, La.
Mfrs. Appraisal Co., factory appraiser, 502H Walnut, Philadelphia, Pa.
Manufacturers Belt Hook Co., 1321 W. Congress St., Chicago.
Manufacturers Brush Co., 1958 W. 45th St., Cleveland, O.
Manufacturers' Can Co., 501 1st St., Harrison, N. J.
Manufacturers' Charcoal Co., Bradford, Pa.
Manufacturers' Consulting Engineers, McCarthy Bldg., Syracuse, N. Y.
Manufacturers' Contracting Co., Du Pont Bldg., Wilmington, Del.
Manufacturers' Distributing Co., plumbers' supplies, 325 Penn av., Pittsburgh, Pa.
Manufacturing, Equipment & Engineering Co., Framingham, Mass.
Manufacturers Equipment Co., clay working machy., etc., Dayton, Ohio.
Manufacturers Equipment Company, Waller Ave. & Fillmore St., Chicago.
Manufacturers' Foundry Co., Railroad Hill, Waterbury, Conn.
Manufacturers' Foundry Co., Inc., 15th & Oklahoma Ave., Milwaukee, Wis.
Manufacturers Furn. Co., Dept. H, Manistee, Mich.
Manufacturers Glass Co., 38 S. Dearborn St., Chicago.
Manufacturers' Iron & Steel Co., see Neversllp Works (successor).
Manufacturers Iron & Steel Co., New Brunswick, N. J.
Manufacturers Iron Foundry, Inc., 785 Union av., Bridgeport, Conn.
Manufacturers Machine Products Co., 1320 Mt. Elliott Ave., Detroit, Mich.
Manufacturers' Oil & Grease Co., Century bldg., Cleveland, Ohio.
Manufacturers Paper Co., 30 E. 42nd St., New York.
Manufacturers Publicity Co., 30 Church St., New York.
Manufacturers Record, business publication, Water & Commerce, Baltimore, Md.
Mfrs. Rubber & Supply Co., mill & factory supplies, 103 S. Howard, Akron, Ohio.
Manufacturers Selling Co., N. Olden & Parker Sts., Trenton, N. J.
Manufacturers Service Co., 27 E. 22nd St., New York.
Manufacturers' Supplies Co., mill & facty. supplies, Juniper & Cherry, Philadelphia, Pa.
Manufacturers' Supply Co., mill & facty. supplies, 2407 Univ. av. S. E., Minneapolis, Minn., & 382 Acushnet av., New Bedford, Mass.
Manufacturers Supply Co., Lima, O.
Manumators Co., chains, mitre boxes, marine motors & children's vehicles, Manitowoc, Wis.
Manville, J. A., pianos, Grand Rapids, Mich.
Manville Mach. Co., E. J., 574 E. Main st., Waterbury, Conn.
Manwell, F. P., & Co., packing box dlrs., 190 A, Boston, Mass.
Manz Engraving Co., 4015 Ravenswood Ave., Chicago.
Manz, Jos., stone, 1609 Clark, Milwaukee, Wis.
Manzel Bros. Co., 315 Babcock, Buffalo, N. Y.
Manzelmann, Chas., brooms & brushes, 3106 Bellevue av., Detroit, Mich.
Mapes, E. B., & Co., machsts., South Haven, Mich.
Mapes Formula & Peruvian Guano Co., fertilizer mfrs., 143 Liberty, New York.
Maple City Furnace Co., Monmouth, Ill.
Maple City Glass Co., Honsdale, Pa.
Maple Flooring Mfrs' Assn., 30 N. LaSalle St., Chicago.
Maples Lumber Co., Gillespie & 10th av., Knoxville, Tenn.

MAPLEWOOD MACHINERY CO., 2547-49 Fullerton Ave., Chicago.

Maplewood Mills, absorbent cotton mfrs., Stratford rd., Fall River, Mass.
Maplewood Planing Mill & Stair Co., sash, door & blind mfrs., 2718 Sutton av., St. Louis, Mo.
Mapson Mfg. Co., auto tools, 2931 Whittier blvd., Los Angeles, Calif.
Mar, Jno. E., & Son, ship bldrs., West Haven, Conn.
Marathon Electric Mfg. Co., 32 Island St., Wausau, Wis.
Marathon Granite Co., Wausau, Wis.
Marathon Lumber Co., Wausau, Wis.
Marathon Lumber Co., Laurel, Miss
Marathon Paper Mills Co., Rothschild, Wis.
Marathon Tire & Rubber Co., Cuyahoga Falls, O.
Marathon Theatre Stores Co., transformers, Wausau, Wis.
Maravigli, John, & Co., granite, Quincy, Mass.
Marble & Shattuck Chair Co., 96 Foster St., Cleveland, O.
Marble Arms & Mfg. Co., Gladstone, Mich.
Marble Card Electric Co., The, Gladstone, Mich.
Marble Chair Co., B. L., Bedford, O.
Marble Cliff Quarries Co., Hartman bldg., Columbus, O.
Marble, E. W., & Co., tex. machy. (shuttle irons), Wilkinsonville, Mass.
Marble, W. A., & Co., canned goods, West Farmington, Me.
Marblehead Lime Co., 156 N. La Salle, Chicago, Ill.
Marblehead Lime Co., R. A. Long bldg., Kansas City, Mo.
Marble Head Lime Co., 159 N. State St., Chicago.

MARBELITE CORP. OF AM., concrete lamp posts, 3248 Long Beach av., Los Angeles, Calif.

Marble-Nye Co., mill & factory supplies & chemicals, Worcester, Mass.
Marbleloid Company, The, 461 8th av., New York.
Marburg Bros., Inc. (Elec. Eng. & Imp. Auto Parts), 90 West St., New York.
Marcellus & Tees, 603 Green St., Philadelphia, Pa.
Marcellus Paper Co., Syracuse, N. Y.
March, A. H., Packing Co., meat, Bridgeport, Pa.
March-Brownback Stove Co., The, Pottstown, Pa.
March-Tenny Co., drinking fountains, Muskegon, Mich.
Marchant Calculating Machine Company, Powell & Landregan, Emeryville, Oakland, Calif.
Marchant Co., Geo. F., 1420 S. Rockwell St., Chicago.
March's, I. F., Sons, masons' & bldrs.' matls., Bridgeport, Pa.
Marco Mills, cereals, Pine Bluff, Ark.
Marcott, O. J., & Son, lbr., Randolph, Vt.
Marcum, S. M., & Bro., flour mills, Sulphur Well, Ky.
Marcus, Harris & Sons Co., insulator pins & brackets, Muscoda, Wis.
Marcus, M., Bldg. Co., contrs., 2111 Reading rd., Cincinnati, Ohio.
Marcussen, Marcus, contractor, Am. National Bk. bldg., San Francisco, Calif.
Marcy Stove Repairing Co., machsts. & fndrs., 340 Grove, Jersey City N. J.
Marcy Tool Works, Putnam, Conn.
Marden Orth & Hastings Co., see Hunnell & Co., Inc. (successor).
Marden, Orth & Hastings Corp., 136 Liberty St., New York.
Mardez Lumber Co., Houston, Tex.
Marengo Canning Co., Marengo, Ind.
Marengo Foundry & Machine Co., Marengo, Ill.
Maresh, Wm., cornices, Iowa City, Ia.
Maret & Kauger, cornices, Paducah, Ky.
Marf Mach'y & Die Casting Co., 147 41st St., Brooklyn, N. Y.
Margerison, W. H. & A. E., & Co., towels, Jasper & Huntington, Philadelphia, Pa.
Margerum, H. W., cornices, Princeton, N. J.
Margraff Mfg. Co., machsts. & fndrs., Augusta, Ky.
Marianna Spoke Co., Marianna, Ark.
Marienthal Co., glue, 1709 John, Cincinnati, Ohio.
Marietta Bone & Phosphate Co., Marietta, Ohio.
Marietta Casting Co., Marietta, Pa.
Marietta Chair Co., Marietta, O.
Marietta Hollow Ware & Enameling Co., Marietta, Pa.
Marietta Manufacturing Co., Point Pleasant, W. Va.
Marietta Mfg. Co., 16th & Sherman Dr., Indianapolis, Ind.
Marietta Paint & Color Co., Marietta, O.
Marietta Shale Brick Co., Marietta, O.
Marietta Stone Co., Marietta, O.
Marietta Torpedo Co., Marietta, Ohio.
Marine, Arlando, stone producers, wkrs. & dlrs., 5 E. 42d, New York.
Marine Compass Co., Bryantville, Mass.
Marine Decking & Supply Co., 1011 Chestnut St., Philadelphia, Pa.
Marine Construction Co., dry docks & ship bldrs., 4100 Iowa, Seattle, Wash.
Marine Cooperage Co., Mobile, Ala.
Marine Electric Co., 323 W. Market St., Louisville, Ky.
Marine Electrical Co., Lorain, Ohio.
Marine Engine & Boiler Co., Philpot & Point, Baltimore, Md.
Marine Hardware Co., Peabody, Mass.
Marine Hardware-Equipment Co., S. Portland, Me.
Marine Iron & Shipbldg. Wks., Duluth, Minn.
Marine Iron Works., fdrs., 1200 Harbor, Seattle, Wash.
Marine Journal Co., 115 Broadway, New York.
Marine Mfg. & Supply Co., The, 35 Water St., Pittsburgh, Pa.
Marine Mfg. & Supply Co., 153 South St., New York.
Marine Metal & Sup. Co., 167 South St., New York.
Marine News, trade publication, 26 Water, New York.
Marine Paint & Varnish Co., Inc., New Orleans, La.
Marine Products Co., fertilizer & poultry feed, 30th & Hosmer, Tacoma, Wash.
Marine Stores Corpn., ship chandlery, Norfolk, Va.
Marine Supply Co., mill & factory supplies, Seattle, Wash.
Marine Supply Co., Pier 1, Seattle, Wash.
Marine Wheel Co., 40-50 Market Ave., Grand Rapids, Mich.
Mariner & Hoskins, chemists, 111 W. Monroe, Chicago, Ill.
Marinette & Menominee Box Co., Marinette, Wis.
Marinette & Menominee Paper Co., Marinette, Wis. (Now Continental Paper & Bag Mills, New York.)
Marinette Boiler Works, tanks, etc., Marinette, Wis.
Marinette Flour Mill Co., Marinette, Wis.
Marinette-Green Bay Mfg. Co., excelsior, Marinette, Wis.
Marinette Iron Works, machsts. & fndrs., Marinette, Wis.
Marinette Knitting Mills, sweaters, cardigans, etc., Marinette, Wis.

Maring, H., Const. Co., South Norwalk, Conn.
Maring Wire Co., Muskegon, Mich.
Marion Cotton Oil Co., meal, Marion, S. C.
Marion County Coal Co., Centralia, Mo.
Marion County Construction Co., 1600 S. West, Indianapolis, Ind.
Marion County Lbr. Corp., Marion, S. C.
Marion-Elston Battery Co., The, Marion, Ind.
Marion Extract Co., tanning, Marion, Va.
Marion Flint Glass Co., bottles, Marion, Ind.
Marion Fdry. & Machine Works, Marion, Va.
Marion Foundry Corp., see Auburn Foundry Corp. (successor).
Marion Gas Coal Co., Greensburg, Pa.
Marion Grey Iron Foundry Co., Marion, Ind.
Marion Guano Co., fertilizer mfrs., Marion, S. C.
Marion Handle & Mfg. Co., Marion, Ind.
Marion Hardware Co., Marion, Ind., & Ocala, Fla.
Marion Insulated Wire & Rubber Co., Marion, Ind.
Marion Iron Works, Marion, S. C.
Marion Lbr. Co., Marion, Ind.

MARION MACHINE, FOUNDRY & SUPPLY COMPANY, Fourth St. and Big Four R. R., Marion, Ind.

Pres.—C. C. Chamberlin.
Sec. & Treas.—Henry L. Erlewine.
Controller—Geo. L. Sharp.
Gen. Pur. Agt.—A. L. Ward.
Cost & Eng'r'g Dept.—E. B. Smith, E. Beal, E. E. Stroud, D. E. Martin.
Traffic Mgr.—Marion Machine, Foundry & Supply Co.—Jess Bond, Interstate Shippers Service Company, J. A. Bond, Mgr.
Sales Mgr.—W. W. Erlewine.

Branch Offices:
Breckenridge, Tex.—J. D. Stubblefield, Mgr.
Bristow, Okla.—H. C. Beal, Mgr.
Burkburnett, Tex.—H. E. Farr, Mgr.
Drumright, Okla.—A. H. Kerr, Mgr.
Eldorado, Ark.—F. H. Miller, Mgr.
El Dorado, Kans.—C. C. Haire, Mgr.
Eureka, Kans.—F. A. Noland, Mgr.
Graham, Tex.—J. H. Lyhey, Mgr.
Houston, Tex.—C. D. Erlewine, Dist. Mgr.
Long Beach, Calif.—C. Sharon, Mgr.
Mexia, Tex.—J. B. Ragland, Mgr.
Nowata, Okla.—O. V. Stevens, Mgr.
Okmulgee, Okla.—R. E. Throckmorton, Mgr.
Ranger, Tex.—J. J. Kelley, Mgr.
Smackover, Ark.—F. H. Miller, Mgr.
Tonkawa, Okla.—F. G. Wagner, Mgr.
Tulsa, Okla.—C. C. Chamberlin, Dist. Mgr.—R. E. Evans, Mgr.
Wilson, Okla.—A. J. Erlewine, Mgr.

Plants:
Marion, Ind.—W. W. Erlewine, Mgr.
Nowata, Okla.—Woodworking Plant, O. V. Stevens, Asst. Mgr.
Scottdale, Pa.—F. S. Moore, Mgr.
Tulsa, Okla.—Woodworking Plant, R. L. Jeurgens, Mgr.

MARION MACHINE FOUNDRY & SUPPLY CO., Scottdale, Pa.

MARION MALLEABLE IRON WORKS, THE, Marion, Ind.

Marion Mattress Co., Marion, Ind.
Marion Milling Co., flour, Marion, Ky.
Marion Paint Co., 358 S. Meridian St., Indianapolis, Ind.
Marion Paper Box Co., Marion, Ind.
Marion Paper Co., box boards, Marion, Ind.
Marion Steam Shovel Co., The, Marion, O.
Marion Stove Co., Marion, Ind.

MARION TOOL WORKS, INC., Marion, Ind..Page 386

Marion Tire & Rubber Co., Marion, Ohio.
Marion Window Glass Co., Mannington, W. Va.
Marionville Canning Co., Marionville, Mo.
Maris Bros., 56th & Grays Ave., Philadelphia, Pa.
Maritime Boat & Engine Works, ship bldrs., 1710 W. Spokane, Seattle, Wash.
Maritime Dredging Co., 50 E. 42d, New York.
Maritime Engng. Corp., concrete boats, 2 Rector, New York.
Mark & Mohl, architect'l & ornamental iron, 3d av. & 6th, Brooklyn, N. Y.
Mark Construction Co., F. W., 2820 N. 21st st., Philadelphia, Pa.
Mark-Lally Co., plbrs.' supplies, Santa Fe av. & E. 37th, Los Angeles, Calif.
Mark-Lally Co., 2nd & Tehama Sts., San Francisco, Cal.
Mark Mfg. Co., machsts. & fndrs., Evanston, Ill.
Mark Manufacturing Co., Dempster & Dodge Ave., Evanston, Ill.
Mar-Kay Mfg. Co., paints, 2715 S. 2d, St. Louis, Mo.
Markels, Leonard, button machy. & dies, 145 W. 41st, New York.
Markert, B. F., & Co., Candler Anx., Atlanta, Ga.
Markesan Canning Co., Markesan, Wis.
Market Forge Co., fndrs., Chelsea, Mass.
Market Forge Co., racks, Garvey, Everett, Mass.
Markey Machinery Co., 85 Horton St., Seattle, Wash.
Markey, Wm. T., lbr. mfrs., Saginaw, Mich.
Markham, A. G., Co., soap, 20 Stockbridge, Springfield, Mass.
Markham Air Rifle Co., Plymouth, Mich.
Markham, F. E., machst. & fndr., Frankfort, Mich.
Markham, F. J., canned goods, Munford, Va.
Markham, J. W., common brick, Traverse City, Mich.
Markham, L. R., canned goods, Lithia, Va.
Markham Shingle Co., lbr., Markham, Wash.
Markland Canning Co., Markland, Ind.
Markle Stone & Lime Co., Markle, Ind.
Markley, A. G., sash, door & blind, Georgetown, Ohio.
Markley, G. B., Co., anthracite coal mine, Jedda, Pa.
Markley, Geo. J., brick, Mineral City, Ohio.
Marko & Co., Paul M., 1402 Atlantic Ave., Brooklyn, N. Y.
Marko Storage Battery Co., radio, 102 Jefferson av., Brooklyn, N. Y.
Marks & Fiske, 2503-2507 24th St., on M. C. R. R., Detroit, Mich.
Marks & Son, M., 415 N. 8th St., St. Louis, Mo.
Marks Bros., Saddlery Co., Omaha, Neb.
Marks Bros. Co., bldg. contrs., West Allis, Wis.
Marks Chemical Works, 25 Beaver St., New York.
Marks, H., masons' & bldrs.' matls., Sheffield, Ala.
Marks, H., Sons, scrap iron, 1045 W. 14th, Chicago, Ill.
Markt & Hammacher Co., whol. hdwe., 194 West, New York.
Markt & Shaefer Co., mill & factory supplies, 193 West, New York.
Marlatt, S., insulators, Richmond, Ind.
Marlboro Cotton Mills, tire fabrics, McColl, S. C.
Marlboro Fertz. Co., Bennettsville, S. C.
Marlen Hdwe. Co., mill & factory supplies, 110 Fulton, New York.
Marleau, D. J., Co., whol. hdwe., Collingwood & Detroit avs., Toledo, Ohio.
Marley Paper Mfg. Co., Childs, Md.
Marlin Firearms Corp., rifles, etc., 85 Willow, New Haven, Conn.
Marmac Constr. Co., 314 W. 31st, New York.
Marmet-Haim Coal & Coke Co., N. Broad st., Cincinnati, O.
Marnhout, D., Basket Co., willow ware mfrs., 861 Progress, Pittsburgh, Pa.
Marnhout, Geo., willow ware mfrs., 321 S. 2d, Philadelphia, Pa.
Marnock, A., & Co., granite, S. Quincy, Quincy, Mass.
Maroa Mfg. Co., Maroa, Ill.
Maroney & Hearn, machsts., Colusa, Calif.
Marpoe Mfg. & Supply Co., 1946 Elston Ave., Chicago.
Marquard Sash & Door Mfg. Co., 307 Canal Rd., Cleveland, O.
Marquardt & Co., H., 35 S. William St., New York.
Marquardt & Ormond, machsts., Rochester, Minn.
Marquardt Bros., masons' & bldrs.' matls., New London, Conn.
Marquette Box & Lumber Co., Marquette, Mich.
Marquette Cement Mfg. Co., 140 S. Dearborn, Chicago & La Salle, Ill.
Marquette Construction Co., 133 W. Washington, Chicago, Ill.
Marquette Coppersmithing Co., 3 Christian, Philadelphia, Pa.
Marquette Electric Switchboard Co., 218-222 W. Austin Ave., Chicago.
Marquette Mfg. Co., luggage carriers, Endicott bldg., St. Paul, Minn.
Marquette Metal Products Co., screws & screw mach. products, 16606 Waterloo rd., Cleveland, Ohio.
Marquette Piano Co., 2439 Wallace, Chicago, Ill.
Marquette Railway Supply Co., 122 S. Michigan Ave., Chicago.
Marquette Tool & Mfg. Co., 319-331 W. Ohio St., Chicago.
Marquette Univ. Coll. Applied Science & Engng., Milwaukee, Wis.
Marquiz, M., shades, 1018 S. Wabash, Chicago, Ill.
Marr & Gordon, Barre, Vt.
Marr Canning Co., Gravette, Ark.
Marr Colton Organ Co., Warsaw, N. Y.
Marr, Daniel, & Son Co., contractors, 334 Dorchester av., S. B., Boston, Mass.
Marr-Galbreath Machy. Co., 127 Water, Pittsburgh, Pa.
Marr, Green & Co., 400 N. Michigan Ave., Chicago.
Marr, R. H., 3633 Cass, Detroit, Mich.
Marra, Owen, stone prod., 293 Bridge, Springfield, Mass.
Marrin, E. & J., Co., contractors, 520 E. 18th, New York.
Marrion & O'Leary, granite, Barre, Vt.
Marron Mfg. Co., knife switches & elec. light plants, Rock Island, Ill.
Marrs Bros. Leather Co., Putman, Salem, Mass.
Marrs, Wm. S., cornices & skylights, Lexington, Mo.

MARSCHALK AND PRATT, 49 W. 45th St., New York.

Marsden-Sewell Corp., (Chemicals) 56 Pine St., New York.
Marseilles Harrow Mfg. Co., Marseilles, Ill.
Marseilles Works of Deer & Co., agricultural implements, East Moline, Ill.
Marsellus, John, Casket Co., Syracuse, N. Y.

MARSH & CO., JAS. P., 120 S. Clinton St., Chicago.
Pres.—Orville W. Thompson.
V. P.—Myron D. Thompson.
Sec. & Sales Mgr.—R. A. Campbell.
Treas.—Wm. Jaeger.

Marsh & Lippincott, circuit breakers, fuses & switches, 47 Kearny, San Francisco, Calif.
Marsh & Truman Lbr. Co., 332 S. Michigan Ave., Chicago.
Marsh, B. F., Co., masons' & bldrs.' matls., contrs., 25 Crescent, Worcester, Mass.
Marsh Bros. Co., contractors, 50 Buckingham, Bridgeport, Conn.
Marsh-Burnett Co., 1310 E. 6th, Los Angeles, Calif.
Marsh-Capron Mfg. Co., 11 S. LaSalle, Chicago, Ill.
Marsh-Capron Co., Lumber Exchange Bldg., Chicago.

MARSH CO., CHAS. W., 38 Hudson st., Muskegon, Mich.

Marsh Co., H. C., Rockford, Ill.
Marsh Co., M. L. & D., Nevada City, Cal.
Marsh, E. B., Bro. & Co., machsts. & fndrs., Stroudsburg, Pa.
Marsh Furn. Co., Dept. H, High Point, N. C.
Marsh Gauge Pole Co., Titusville, Pa.
Marsh, Geo. B., Inc., whol. hdwe., Nogales, Arizo.
Marsh, Geo. E., Co., soap, 393 Chestnut, Lynn, Mass.
Marsh-Lee Co., fertilizer, Marshville, N. C.
Marsh Mfg. Co., oil can faucets, spouts, etc., 122 William, New York.
Marsh-Murdoch Co., masons' & bldrs.' matls., cor. Stanton av. & Melish, Cincinnati, Ohio.
Marsh Refrigerator Service Co., 917 Chestnut, Milwaukee, Wis.
Marsh, S. L., grease traps, 1614 S. Flower, Los Angeles, Calif.

MARSH STENCIL MACHINE CO., Belleville, Ill.

Marsh Valve Co., Dunkirk, N. Y.
Marshall & Beglin, masons' & bldrs.' matls., Midland, Pa.
Marshall & Co., F. W., Penna. Bldg., Philadelphia, Pa.
Marshall & Huschart Machinery Co., 17 S. Jefferson St., Chicago.
Marshall & Mitchell, paper & pulp mill, Wooddale, Del.
Marshall & Spencer Co., masons' & bldrs.' matls., Jacksonville, Fla.
Marshall & Stearns, wall beds, San Francisco, Calif.
Marshall, A. H., Co., whol. hdwe., Plattsburgh, N. Y.
Marshall, Barrick Co., cornices, Lyons, N. Y.
Marshall Blow Pipe Co., 7431 Dubois, Detroit, Mich.
Marshall Bros. Co., S. 21st & Mary Sts., Pittsburgh, Pa.
Marshall Bros., masons' & bldrs.' matls., New Castle, Pa.
Marshall Bros., paper & pulp mill, Yorklyn, Del.
Marshall Bros. & Co., tin plate, etc., Front & Girard av., Phila., Pa.
Marshall, C. A., brick, Cresco, Ia.
Marshall Canning Co., Marshalltown, Ia.
Marshall Car Wheel & Foundry Co., Marshall, Tex.
Marshall Furn. Co., Dept. H, Henderson, Ky.
Marshall Furnace Co., Marshall, Mich.
Marshall, Geo. B., machst., Charlottesville, Va.
Marshall-Gerken, radio app., 27 Ontario, Toledo, Ohio.
Marshall, Godfrey, harness, etc., Indiana, Pa.
Marshall, Henry Rutgers, City Hall, New York.
Marshall, Jas. G., flour mills, Gladys, Va.
Marshall, James I., Mfg. Co., store fixtures, refrigerators, etc., 450-52 Hoyt, Portland, Ore.
Marshall, Jesse, stone producer, Carrollton, Ohio.
Marshall, John, & Co., sashes, doors & blinds, Apalachicola, Fla.
Marshall, John, Leather Co., 24 East, Boston, Mass.
Marshall, L. D., canned goods, Thaxton, Va.
Marshall-Lock Co., steam heaters, 430 S. San Pedro, Los Angeles, Calif.
Marshall Letter Co., Robert G., 431 S. Dearborn St., Chicago.
Marshall Mfg. Co., Inc., Kilbourne, Wis.
Marshall Mfg. Co., lbr., etc., Rome, Ga.
Marshall Mfg. Co., thermometers, Coshocton, Ohio.
Marshall Mill & Elevator Co., flour, Marshall, Tex.
Marshall Milling Co., flour, Marshall, Minn.
Marshall, Newell, Supp. Co., mill & facty. supp., Spear & Mission, San Francisco, Calif.
Marshall Oil Co., Inc., Marshalltown, Ia.
Marshall Piano Co., 1510 N. Dayton av., Chicago, Ill.
Marshall, Son & Co., machsts. & fndrs., 226 Purchase, Boston, Mass.
Marshall Vibrator Co., massage vibrators, 141 W. 36th, New York.
Marshall, W. E., cornices, 432 Antoinette, Detroit, Mich.
Marshall-Wells Co., Duluth, Minn.
Marshall, Wm., tubular boilers, Dubuque, Ia.
Marshalltown Mfg. Co., Marshalltown, Ia.
Marshalltown Trowel Co., Marshalltown, Ia.
Marshfield Canning Co., Marshfield, Mo.
Marshfield Mfg. Co., bee keepers' supplies, Marshfield, Wis.
Marsily, F. A., & Co., mica imp., 25 Beaver, New York.
Mar-Sla Mfg. Co., see Structural Stone Co. (successors).
Mar-Slag Mfg. Co., Youngstown, O.
Marsland, Jas., roll coverers, Lawrence, Mass.
Marston & Co., J. M., 205 Ruggles St., Boston, Mass.
Marston Bros., Appleton, Wis.
Marston, I. G., & Co., washers, 226 Ruggles, Boston, Mass.
Mart & Lawton, tile imp. & floor mosaics, 286 5th av., New York.
Martcross Co., 20 E. Lake St., Chicago.
Martell Co., A. E., Keene, N. H.

MARTELL PACKINGS CO., THE (Home Office and Factory), Elyria, O.

Martens Hdwe. Co., mill & facty. supps., Lancaster, O.
Martens-Leary Co., carriages, Bloomington, Ill.
Martens, R., & Co., Inc., mill & facty. supps., 6 Hanover, New York.
Marthens Marble Co., Chester N., W. 53rd and Wallace Sts., Chicago.
Martin & Bechtold, Inc., lithographing stones, 32 Greene, New York.
Martin & Co., stencils, 119 S. Clark, Chicago, Ill.
Martin & Co., W. A., Wilmington, N. C.
Martin & Martin, shoe blacking, 3005 Carroll, Chicago, Ill.
Martin & Sons, H. P., 12th & Elm Sts., Owensboro, Ky.
Martin & Strickland, masons' & bldrs.' matls., Plain City, Ohio.
Martin & Van Owen, common brick, Naperville, Ill.
Martin, A. E., Fdry. & Mach. Co., cast iron cylinders, grey iron castings & metallic packing mfrs., 705 Park, Milwaukee, Wis.
Martin, A. W., sash, door & blind mfr., Hartland, Vt.
Martin, Adam, stone, Phillipsburg, N. J.
Martin, Adolph (Est. of), wooden shells, Passaic, N. J.
Martin, Arch T., flour mills, Moundsville, W. Va.
Martin Automatic Fishing Reel Co., Mohawk, N. Y.
Martin Auto Specialty Co., collapsible buckets & pails, Lancaster, Ohio.
Martin, B. M., machst. & founder, 473H W. Broadway, New York.
Martin Band Instrument Co., Elkhart, Ind.
Martin-Barriss Co., lumber, 2048 W. 3d, Cleveland, O.
Martin Brick Co., Empire Bldg., Pittsburgh, Pa.
Martin Bros., brick, Dunkirk, Ind.
Martin Bros., machsts., Akron, Ohio.
Martin Bros., ties, poles & posts, Manhattan bldg., Duluth, Minn.
Martin Bros. Co., barrels, Toledo, Ohio.
Martin, C., & Son, masons' & bldrs.' matls., Mechanicsburg, Pa.
Martin, C. W., Co., masons' & bldrs.' matls., Annapolis, Md.
Martin Carriage Works (see Martin-Parry Corp., successor).
Martin Carriage Works, York, Pa.
Martin Co., D. B., 1831 Chestnut st., Philadelphia, Pa.
Martin Co., machsts. & fndrs., Sac City, Ia.
Martin Co., stucco, 1265 Battery, San Francisco, Calif.
Martin Co., The L., 45 E. 42d St., New York.
Martin Constr. Co., Brix bldg., Fresno, Calif.
Martin Crate Co., Martin, Fla.
Martin-Copeland Co., 101 Sabin St., Providence, R. I.
Martin Corp., James, New York.
Martin-Dennis Co., tanner's extracts, bate, grease & wax, 859 Summer av., Newark, N. J.
Martin-Evans Co., 609 Woodward Ave., Brooklyn, N. Y.
Martin, E. S., & Son Co., cornices & skylights, Eastport, Me.
Martin, F. M., Grain & Milling Co., Cheeney, Wash.
Martin Fndry. Co., Port Washington, Wis.
Martin, Glen L., Co., aeroplane mfrs., 16800 St. Clair, Cleveland, Ohio.
Martin Grate Co., 343 Dearborn St., Chicago.
Martin, H. H., Lumber Co., Centralia, Wash.
Martin, H. H., Mfg. Co., fndrs., Louisville, Ky.
Martin-Halstead Co., artificial limbs, 300 Woodward av., Detroit, Mich.
Martin Hardware Co., Mansfield, Ohio.
Martin, Hoyt & Milne, Inc., Merchants Exchange Bldg., San Francisco, Cal.
Martin Hub Wks., Tidioute, Pa.
Martin Iron Works, 1222 E. 28th, Los Angeles, Calif.
Martin, J. B., Co., velvets, Norwich, Conn.
Martin, J. C., & Co., mill & facty. supps., San Francisco, Calif.
Martin, J. Diller, carriages, Ephrata, Pa.
Martin, J. D., Scenic Co., theatre decorators, 545 S. Los Angeles, Los Angeles, Calif.
Martin, J. E., Co., second-hand machy., 61 1st, Portland, Ore.
Martin, J. S., Co., masons' & bldrs.' matls., Marblehead, Mass.
Martin, Jas. G., machsts. & fndrs., Middletown, N. Y.
Martin, John, packing box mfrs., 1835 E. Ruan, Philadelphia, Pa.
Martin, John, Lbr. Co., 217 Como av., St. Paul, Minn.
Martin, Jos., & Sons, starch mfrs., Van Buren, Me.
Martin, Karl, & Co., contrs. & bldrs.' matls., 600 W. 7th, Riverside, Calif.

MARTIN CO., L., 45 E. 42nd, New York.

Martin, Leason, woodenware mfrs., Richmond, N. H.
Martin, Luther E., Co., advtg. signs, 411 Equitable bldg., Baltimore, Md.
Martin Machine Co., Inc., Turners Falls, Mass.
Martin Machinery Co., E. A., Joplin, Mo.
Martin Mfg. Co., feed grinding mills, St. Louis Park, Minn.
Martin Metal Mfg. Co., Wichita, Kan.
Martin, O. J., flour, Siloam, N. C.
Martin, P. J., elec. illuminated signs, 616 W. 43rd, New York.

Martin-Parry Corp., auto bodies, wagons, trucks, etc., York, Pa.
Martin Pulp & Paper Co., Norwood, N. Y.
Martin Rocking Fifth Wheel Co., 21 Besse Pl., Springfield, Mass.
Martin, S. B., hdwe. mfrs.—door hangers, Dalton, Ohio.
Martin, Sam'l, Co., beetle, post, etc., rings, 81 Adams, Brooklyn N. Y.
Martin-Senour Co., 712 Sansome, San Francisco, Calif.
Martin-Senour Co., (Paints & Varnishes), 2520 Quarry St., Chicago.
Martin Shock Absorber Corp., 1301 E. Slauson av., Los Angeles, Calif.
Martin Steel Products Co., The, Mansfield, O.
Martin Stove & Range Co., Florence, Ala.
Martin, T. J., Co., sash, door & blind mfrs., 15th & Van. R. R., Terre Haute, Ind.
Martin, Thos. F., plbrs. supps., Boston, Mass.
Martin Tool & Die Co., J. E., Springfield, O.
Martin Tram Co., lumber, Lake Charles, La.
Martin Truck & Body Corp, York, Pa.
Martin Varnish Co., 2520 Quarry St., Chicago.
Martin, W. B., stone producers, Rockville, Conn.
Martin, W. H., mattresses, Sioux Falls, S. D.
Martin, W. T., Hardware Co., Charlottesville, Va.
Martin Wagon Co., Lufkin, Tex.
Martin-Wasp Corp., automobiles, Bennington, Vt.
Martin, Wm. A., machst., Hopewell Junction, N. Y.
Martin, Wm. E., Co., contractors, Troy, N. Y.
Martina Mosaics Co., 220 E. Pearl, Cincinnati, Ohio.

MARTINDALE ELECTRIC CO., THE, 11735 Detroit Ave., Cleveland, O.
Pres. & Gen. Mgr.—E. H. Martindale.
Treas. & Sales Mgr.—H. McFarland.

Marting Iron & Steel Co., Ironton, O.
Martin's, E. J., Sons, fish line mfrs., Rockville, Conn.
Martinson Estate Co., granite, Barre, Vt.
Martinsville Brick Co., Martinsville, Ind.
Martinsville Construction Co., Martinsville, Ind.
Martinsville Cotton Mills Co., cotton sheetings, Martinsville, Va.
Martling, J. H., Mass. bldg., Kansas City, Mo.
Martsolf, Geo. W., masons' & bldrs.' matls., New Brighton, Pa.
Marty, F., & Co., wax tapers, Syracuse, N. Y.
Marty Foundry Co., Inc., Meridian, Miss.
Marvel Carburetor Co., Flint, Mich.
Marvel Compound Co., boiler compounds, 218 E. Randolph, Huntington Park, Calif.
Marvel Co., spray syringes, 25 W. 45th, New York.
Marvel Electric Welder Co., E. 28 Sprague, Spokane, Wash.
Marvel Equipment Co., oil & grease pumps, 8800 Harvard, Cleveland, Ohio.
Marvel Furn. Co., Dept. H, Jamestown, N. Y.
Marvel, T. S., Shipbuilding Co., machsts. & fndrs., Newburgh, N. Y.
Marvil Package Co., fruit & veg. baskets, Laurel, Del.
Marvin & Casler Co., see Production Engineering Corp. (successor).
Marvin & Marvin, contrs., 4323 Mosher, Los Angeles, Calif.
Marvin, D. E., machinist, Findlay, Ohio.
Marvin Elec. Drill Co., Binghamton, N. Y.
Marvin Mfg. Co. (Ltd.), lubricating oils & greases, Franklin, Pa.
Marvin Mfg. Co., W. B., Urbana, O.
Marvindale Chemical Co., acetate of lime, wood alcohol, etc., Bradford, Pa.
Marwedel, C. W., 76 1st St., San Francisco, Calif.
Marx & Rawolle, 100 William St., New York.
Marx & Sons, Alphonse, New Orleans, La.
Marx, D. L. & Co., overalls, Cairo, Ill.
Marx Hide & Tallow Co., Louisville, Ky.
Marx Mfg. Co., M. F., 720 Cawthon St., Louisville, Ky.
Marx, Max Color & Chemical Co., Irvington, N. J.
Marx, S. C., Co., mill & steamfitters' supps., 76 Dey, New York.
Marx-Winkler Co., machsts., 101 Montgomery av., Newark, N. J.
Marx Zero Sign Wks., 126 N. Peoria, Chicago, Ill.
Mary Leila Cotton Mills, sheeting, Dept. H, Greensboro, N. C.
Maryd Colliery, Tuscarora, Pa.
Maryland Auto-Products Co., Hagerstown, Md.
Maryland Belting & Packing Co., 1626 Bank, Baltimore, Md.
Maryland Bolt & Forge Co., Mt. Washington, Baltimore, Md.
Maryland Brass and Metal Works, Calvert and Federal Sts., Baltimore, Md.
Maryland Brick & Supply Co., masons' & bldrs.' matls., Frederick, Md.
Maryland Car Wheel Co., Curtis Bldg., Baltimore, Md.
Maryland Casualty Co., insurance, Balto. & Guilford, Baltimore, Md.
Maryland Coal Co. of W. Va., 1 Broadway, New York.
Maryland Coal Co. of Penna., Comm. Tr. Bldg., Philadelphia, Pa.
Maryland Color Printing Co., Holliday & Hillen, Baltimore, Md.
Maryland Culvert & Metal Co., Baltimore, Md.
Maryland Equipment & Supply Co., contrs.' tools & machy. dlrs., Equitable bldg., Baltimore, Md.
Maryland Glass Corp., Mt. Winans, Md.
Maryland Granite Co., Guilford, Md.
Maryland Metal Products Co., pressed steel spec., Hagerstown, Md.
Maryland Mfg. Co., steam jacketed, 1915 Ashland av., Baltimore, Md.

MARYLAND METAL BUILDING CO., portable buildings, McComas & Race sts., Baltimore, Md.

Maryland Metal Cross Tile Co., 901 Munsey bldg., Baltimore, Md.
Maryland Meter Works, meter mfrs., North & Saratoga, Baltimore, Md.
Maryland Motor Machine Co., Frederick, Md.
Maryland Mould & Fndry. Co., Cumberland, Md.
Maryland Pressed Steel Co., Hagerstown, Md.
Maryland Welding Co., Philpot & Point Sts., Baltimore, Md.
Maryland Wood Products Co., acetate of lime, wood alcohol, etc., Bradford, Pa.
Marysville Cabinet Co., Marysville, O.
Mas-Art Basket Works, Inc., 2001 E. 14th, Oakland, Calif.
Masback Hardware Co., 82 Warren St., New York.
Mascheroni, Jos., furniture & wood carving, 2172 Clybourn av., Chicago, Ill.
Maschmeier-Schaefering Carriage & Wagon Co., 2000 N. 15th, St. Louis, Mo.
Mascot Stove Mfg. Co., 25th & Cnut., Chattanooga, Tenn.
Mashburn, W. E., Co., contractors, Atlanta, Ga.

MASHEK & CO., FRANK, 1914-16 Milwaukee Ave., Chicago.
Pres. & Secy.—Frank Mashek.
Treas.—A. Mashek.

Mashek Chemical & Iron Co., Wells, Mich.
Mashek Engineering Co., 90 West St., New York
Masinda, Wm., pearl buttons, West Willington, Conn.
Maskell, J. H., Machine & Mfg. Co., 1419 E. 40th, Cleveland, Ohio.

MASLAND DURALEATHER CO., artificial leather, Amber & Westmoreland, Philadelphia, Pa.

Mason & Co., F. C., St. John's, Mich.
Mason & Co., Davis, 7740 S. Chicago Ave., Chicago.
Mason & Hamlin Co., organs, 492 Boylston, Boston, Mass.
Mason & Hanger Co., contractors, 17 W. 60th, New York.
Mason & Moore, machsts. & fndrs., 30 E. 4th, New York.
Mason & O'Connell, masons' & bldrs.' matls., Fort Dodge, Ia.
Mason & Parker Mfg. Co., toys, games & nov., Winchendon, Mass.
Mason & Snowdon Lumber Co., Scranton, Pa.
Mason, A., & Sons, brush blocks & lbr., Peru, N. Y.
Mason, A. G., Mfg. Co., machy., St. Clair & E. 79th, Cleveland, Ohio.
Mason Box Co., Attleboro Falls, Mass.
Mason Brush Works, 553 Main St., Worcester, Mass.
Mason By-Products Co., alcohol & potash, 2 Pine, San Francisco, Calif.
Mason Canning Co., 3d & Walnut, Cincinnati, Ohio.
Mason City Brick & Tile Co., Mason City, Ia.
Mason City Clay Wks., Mason City, Ia.
Mason City Sewer Pipe Co., Mason City, Ia.
Mason City Supply Co., plumbers' supplies—jobbers, Mason City, Ia.
Mason Co., W. L., Keen, N. H.
Mason County Fruit Growers' Assn., canned, Shelton, Wash.
Mason, D. E., butter tubs, Fulton, N. Y.
Mason Distilling Co., Sausalito, Calif.
Mason-Donaldson Lumber Co., Rhinelander, Wis.
Mason, F. E., & Sons, embossed seals, 100H Franklin, Batavia, N. Y.
Mason Fence Co., Leesburg, O.

MASON, FENWICK & LAWRENCE, patent attorneys, 600 F, N. W., Washington, D. C.

Mason, J. S., & Sons, cotton webbing, Westboro, Mass.
Mason, Jas. S., Co., shoe blacking, 212 S. Front, Philadelphia, Pa.
Mason Jar Glass Cap Co., fruit jars, Anderson, Ind.
Mason Machine Co., Jas. M., 2305 N. Marshall St., Philadelphia, Pa.
Mason Machine Works, Taunton, Mass.
Mason Mfg. Co., floor lamps & shades, 306 Winston, Los Angeles, Calif.
Mason Mfg. Co., tin cans, 156 S. Water, Providence, R. I.
Mason Mfg. Co., toys, South Paris, Me.
Mason, Marcus, & Co., Inc., coffee machy., 201 Devonshire, Boston, Mass.
Mason Packing Co., Kenshaw Bldg., Pittsburgh, Pa.
Mason-Perkins Paper Co., Bristol, N. H.
Mason Regulator & Engrg. Co., 135 Dagenais St., Montreal, Can.
Mason Regulator Co., 1605 Hyde Park Ave., Boston, Mass.
Mason Silk Mills, Paterson, N. J.
Mason Tire and Rubber Co., Kent, O.
Mason, Volney W., & Co., freight elevators, hand hoist & friction pulleys, 2 Lafayette, Providence, R. I.
Mason, Wm. E., steam & hot water htg. contr., 416 E. 161st, New York.
Masonry Waterproofing Co., 307 Herkimer St., Brooklyn, N. Y.
Mason's Supply Co., Easton, Pa.
Masons' Supply Co., Inc., 305 E. Madison, Portland, Ore.
Masontown Glass Co., Masontown, Pa.
Massa, George, 245 S. 6th St., Philadelphia, Pa.
Massachusetts Agricultural Coll., Amherst, Mass.
Massachusetts Blower Co., Watertown, Mass.
Massachusetts Commission for the Blind, brooms, Cambridge, Mass.
Massachusetts Cotton Mills, Exchange Bldg., Boston, Mass.
Massachusetts Elec. Co., switches, 18 Grafton st., Worcester, Mass.
Massachusetts Electric Mfg. Co., 11 Margin St., West Lynn, Mass.
Massachusetts Gear & Tool Co., 30 Nashua, Woburn, Mass.
Massachusetts Institute of Technology, engng. school & coll., 491 Boylston, Cambridge, Mass.
Massachusetts Lime & Cement Co., masons' & bldrs.' matls., Cambridge, Mass.

MASSACHUSETTS MACHINE SHOP, INC., 817 Albany St., Boston, Mass.
Pres.—Harry W. Knights.
Treas.—Arthur A. Knights.

MASSACHUSETTS MOHAIR PLUSH CO., 200 Devenshire St., Boston, Mass.
Pres.—Henry W. Bliss.
V. P. & Buyer—Randall B. Houghton.
V. P. & Treas.—A. B. Mason.
Boston, Mass.—A. B. Mason, W. W. Melcher, H. M. Bliss.
St. Louis, Mo.—Geo. S. Tivy.

Massachusetts Oilless Bearings Co., Foundry St., Wakefield, Mass.
Massachusetts Wholesale Hdwe. Corp., 50H Ceylon, Dorchester, Mass.
Massasoit Mfg. Co., 134 Pocasset st., Fall River, Mass.
Massee & Felton Lumber Company, Macon, Ga.
Masseth Packer & Machine Co., 121 W. Wayne St., Butler, Pa.
Massey Co., Geo. B., Chicago. (Now Randolph-Perkins Co.)

MASSEY CONCRETE PRODUCTS CORP., Peoples Gas Bldg., Chicago.
Pres.—J. S. Hobson.
V. P.—Chas. Gilman, New York.
Secy.—G. H. Redding.
Treas.—B. F. Landers.
Pur. Agt.—H. W. Wilder.
Atlanta, Ga.—Candler Bldg., J. A. Higgs, Jr.
Los Angeles, Cal.—F. V. Shannon, P. E. Longstreet.
New York—1862 Hudson Terminal Bldg., Chas. Gilman.
Pittsburgh, Pa.—Oliver Bldg., M. Nesbit.
Salt Lake City, Utah.—925 S. 6th St., F. V. Shannon, P. E. Longstreet.
St. Louis, Mo.—Railway Exchange Bldg., C. H. Hunsaker.
San Francisco, Cal.—Matson Bldg., F. V. Shannon.
Plants: Chatham, Ont., Chicago, Dallas, Tex., Kansas City, Kans., Colton, Cal., Memphis, Tenn., Milwaukee, Wis., Minneapolis, Minn., Newark, N. J., Montgomery, Ala., Salt Lake City, Utah, Spokane, Wash., St. Lambert, Que.

Massey, Geo. W., masons' & bldrs.' matls., Lambertville, N. J.
Massey Gin & Machine Works, Macon, Ga.
Massey Hardware Co., The, Wichita, Kans.
Massey-Harris Harvester Co., Inc., Batavia, N. Y.
Massey Iron Co., see Massey Hardware Co. (successors).
Massey Mach. Co., Watertown, N. Y.
Massey Vise Company, now Morgan Vise Co., 35 S. Desplaines St., Chicago.
Massie & Morrison Lumber Co., Lynchburg, Va.
Massillon Aluminum Co., Massillon, Ohio.
Massillon Brick Co., Massillon, O.
Massillon Bridge & Structural Co., Massillon, O.

MASSILLON-CLEVELAND-AKRON SIGN CO., THE, So. Canal St., Massillon, O.
Representatives:
GA.—Atlanta—E. T. Faulkner, 314 Austell Bldg.
ILL.—Chicago—Geo. H. Coulter, 1010 Caxton Bldg., Harrison 6546.
MD.—Baltimore—W. M. Ehlers, 1203 E. Monument St.
MASS.—Dorchester—G. H. Briggs, 22 Bloomfield St.,
MICH.—Detroit—Karl F. F. Kurth, 829 Book Bldg., Cherry 4251.
N. Y.—New York—Horton & Bossie, 41 Union Square.
N. C.—Winston-Salem—Watt Martin, Inc.
O.—Cincinnati, Wm. C. Pierce, 1 Thomas Bldg., Milford 302-R.
Cleveland—C. C. Rchark, 1313 B. of L. F. Bldg., Cedar 1612.
PA.—Philadelphia—John R. Bonner, 4944 Cedar Ave., Woodland 6855.
TENN.—Chattanooga—Cooperative Advertising Co.
Memphis—T. H. Murray, 300 Goodwyn Ints. Bldg.
TEX.—Dallas—F. McQueen Ad. Co.

MASSILLON FOUNDRY & MACHINE CO., THE, Columbia Heights, Massillon, O.
Pres.—I. M. Taggart.
V. P.—J. C. Haring.
Secy.—W. J. Cadman.
Treas. & G. M.—F. G. Harrison.

Massillon Paper Co., Massillon, Ohio.
Massillon Rolling Mill Co., Massillon, O.
Massillon Rubber Co., Massillon, Ohio.
Massillon Sand & Stone Co., Massillon, O.
Massillon Steel Castings Co., Massillon, O.
Massillon Stone & Fire Brick Co., Massillon, Ohio.
Massillon Wire Basket Co., Massillon, O.
Massino, J., Mfg. Co., elec. & gas light fixtures, 1371 Holton, Milwaukee, Wis.
Mast, Emanuel, contr., Zanesville, Ohio.
Mast, Foos & Co., Springfield, O.
Mast, J. W. W., whol. hdwe., Little Rock, Ark.
Mast Lightning Rod Co., West Milton, Ohio.
Masten Constr. Co., Inc., concrete arches, 103 Park av., New York.
Masten, G. H., Co., Inc., life saving appliances, 1133 Broadway, New York.
Master Builders Co., The, Union Bldg., Cleveland, O.
Master Carburetor Corp., 30th & Main Sts., Los Angeles, Cal.
Master Cutter Mach. Co., meat choppers & slivers, North av., Oakley, Cincinnati, Ohio.
Master Electric Co., 440 1st, Dayton, Ohio.
Master Electric Co., violet ray apparatus, 111 S. Jefferson, Chicago, Ill.
Master Fan Corp., 1327 Channing, Los Angeles, Calif.
Master Incubator Co., 361 Baldwin, Portland, Ore.
Masterlite Screen Co., 1016 W. 39th, Los Angeles, Calif.
Master Motor Truck Mfg. Co., 1638 S. Wabash av., Chicago.
Master Primer Co., 137 E. Woodbridge st., Detroit, Mich.
Master Mach. Wks., dlrs., 70 W. 40th, New York.
Master Mfg. Co., auto brakes, 2201 S. Main, Los Angeles, Calif.

MASTER PRODUCTS COMPANY, THE, 6414 Park Ave., Cleveland, O.
Pres.—W. A. Bohn.
Sec.-Treas.—C. G. Walters.
Agents:
CAL.—San Francisco—Carlson & Frahm, 268 Market St., Douglas 2896.
GA.—Atlanta—A. H. Doveney & Co., 707 Fourth Nat'l Bank Bldg.
ILL.—Chicago—A. L. Whittemore, 15 N. Jefferson St., Franklin 4364.
MICH.—Flint—O'Neill Sales Co., Genesee Bank Bldg.
MO.—St. Louis—Walter G. Clark, Inc., 215 Chestnut St., Olive 1708.
N. Y.—New York—Sol. Deblin, 35 Warren St., Barclay 8642.
O.—Cincinnati—Central Steel & Supply Co., 318 1st Natl. Bank Bldg.
PA.—Philadelphia—Triangle Equip. Co., Harrison Bldg., Spruce 3620.
UTAH—Salt Lake City—Thos. A. Williams, 204 Scott Bldg.

Master Refining Co., Hobart Bldg., San Francisco, Cal.
Master Rule Mfg. Co., Inc., 841 E. 136th St., New York.
Master Self Locking Differential Mfg. Co., The, Green Bay, Wis.
Master Sheet Metal Workers Journal, see Warm Air Heating & Sheet Metal Journal (successor).
Master Timer Mfg. Co., spark timers, 134 W. 35th, Los Angeles, Calif.
Master Tire & Rubber Co., Dayton, Ohio.
Master Tool Co., 203 St. Clair Ave., Cleveland, O.
Master Tool Makers, Inc., 60-4 Third St., Milwaukee, Wis
Masters & Mullen Constr. Co., Electric bldg., Cleveland, Ohio.
Masters, H. B., Co., steam fitters' supplies, Dept. H, Ocala, Fla.
Masters, J. H., & Son, masons' & mldrs.' matls., Brookville, Ind.
Masters Planters Co., 800 N. Clark, Chicago, Ill.
Masters, R. T., cornices & skylights, Charleston, S. C.
Masterson Bros., wooden shoe lasts, Brockton, Mass.
Masury & Son, John W., 44 Jay St., Brooklyn, N. Y.
Masury, John W., & Son, paints, 1062 Mission, San Francisco, Calif.
Masury-Young Co., 76 Roland st., Boston, Mass.
Matawan Steel & Iron Co., Matawan, N. J.
Matawan Tile Co., Main St., Matawan, N. J.
Matchless Brass Mfg. Co., 31 Washington St., Brooklyn, N. Y.
Matchless Metal Polish Co., 840 W. 49th Pl., Chicago.
Matchless Metal Polish Co., buffing compositions, 151 Varick, New York.

Mateer, F. W., & Co., machsts., 222 W. Ontario, Chicago, Ill.
Material Transportation Co., 72 Marietta St., Atlanta Ga.
Mathels Hdwe. Co., cornices, Springfield, Ill.
Mather & Co., E., Harrisburg, Pa.
Mather Bros. Co., masons' & bldrs.' matls., Richmond, Ind.
Mather, S. W., coffins, caskets, etc., 3227 W. 25th, Cleveland, Ohio.
Mather, S. W., Auto Co., Cleveland, Ohio.
Mather Spring Co., Castle Blvd. & L. S. B. R., Toledo, Ohio.
Mather, W. H. H., vises, kettles—machsts. & fndrs., 105th & Quebec av., Cleveland, Ohio.
Mathers, D. C., brick, Chelan, Wash.
Mathers Stone Co. (of Chicago), Bloomington, Ind.
Matheson & Atkinson, chemicals, dyes, etc., 120 Broadway, New York.
Matheson Company, The, 132 Nassau St., New York.
Matheson, J. D., & Sons, fertilizer, Hartwell, Ga.
Matheson Lead Co., Long Island City, N. Y.
Matheson Products Co., Matheson, Ont., Can.
Matheson, W. A., & Co., mill & facty. supplies, Toccoa, Ga.
Mathews & Boucher, 26 Exchange St., Rochester, N. Y.
Mathews Bros., batteries, 1661 W. Washington, Los Angeles, Calif.
Mathews Bros., Belfast, Me.
Mathews Co., boats, Port Clinton, Ohio.
Mathews Electric Supply Co., 1824 1st st., Birmingham, Ala.
Mathews Gravity Carrier Co., Ellwood City, Pa.
Mathews, F. I., see Bay City Iron Works (successor).
Mathews, Hugh, machst., 433 W. 5th, Kansas City, Mo.
Mathews, L. J., machsts. & fndrs., Milford, Del.
Mathews Paint Co., 219 S. Los Angeles, Los Angeles, Calif.
Mathias-Hart Company, 516 Atlantic Ave., Boston, Mass.
Mathias-Hart-Wheet Co., 514 Atlantic Ave., Boston, Mass.
Mathias, P. S., & Co., flour mills, Mathias, W. Va.

MATHIESON ALKALI WORKS, 25 West 43rd st., New York.

Mathieu, Chas., talc imptrs., 55 Broadway, New York.
Mathis & Son, Inc., A., (Ventlg. Contrs.) 3155 Shields Ave., Chicago.
Mathis Co., J. H., Camden, N. J.
Mathis Yacht Building Co., motor boat bldrs., Camden, N. J.
Mathushek & Son Piano Co., 37 W. 37th, New York.
Mathushek Piano Mfg. Co., 193 Church, New Haven, Conn.
Matisse, C. & A., auto lamp lenses, 551 E. 11th, New York.
Matson Mach. Co., geared pumps, grinders—reamer & cutter, Concord, N. H.
Matsui Yasuo, architect, 175 5th av., New York.
Mattatuck Mfg. Co., Waterbury, Conn.
Matteson Paint Co., Cape Girardeau, Mo.
Mattheisz Bros., mill & facty. supps., 1222 Hull, Baltimore, Md.
Matthes Bros., masons' & bldrs.' matls.—contr., Adrian, Mich.
Matthews & Co., Geo. T., 308 N. Commercial St., St. Louis, Mo.

MATTHEWS & CO., JAS. H., 3942 Forbes St., Pittsburgh, Pa.
Pres.—Jas. H. Matthews.
V. P.—John Jenkins.
Sec. & Treas.—Wm. Jenkins.
Downtown Store, Union Trust Bldg., 431 Fifth Ave., Pittsburgh, Pa.

Matthews, A. J., & Co., lbr., Sikeston, Mo.
Matthews Bros. Furn. Co., Dept. H, Milwaukee, Wis.
Matthews Bros. Co., Bloomington, Ind.
Matthews Bros. Mfg. Co., Pt. Washington Rd., Milwaukee, Wis.
Matthews-Banner Range Co., The, South Bend, Ind.

MATTHEWS CO., 145 College St., Buffalo, N. Y.

Matthews Co., The, Port Clinton, O.
Matthews Co., J. N. (Printers & Engs.), Buffalo, N. Y.
Matthews Constr. Co., Princeton, N. J.
Matthews Constr. Co., 103 Park av., New York.

MATTHEWS CORPORATION, W. N., 3712 Forest Park Blvd., St. Louis, Mo.

Matthews Engineering Co., Sandusky, O.
Matthews Foundry Co., 2228 Railroad av., Fresno, Calif.
Matthews Gas Machine Co., 6 E. Lake St., Chicago.
Matthews Mfg. Co., 104 Gold St., Worcester, Mass.
Matthews Mfg. Co., H. A., Seymour, Conn.
Matthews, Northrup Wks., maps, 177 Washington, Buffalo, N. Y.
Matthews Ship Bldg. Co., Hoquiam, Wash.
Matthews, T. E., & Bro., machsts. & fndrs., Martinsburg, W. Va.
Matthews, Thos., & Son, lbr. mfrs., Clare, Baltimore, Md.
Matthewson, Fred G., masons' & bldrs.' matls., Flint, Mich.
Matthias, Russel J., Co., whol. lumber, 30 N. La Salle, Chicago, Ill.

MATTHIESSEN & HEGELER ZINC CO., 9th and Stirling Sts., La Salle, Ill.
Gen. Mgr.—F. W. Holler.
Asst. Gen. Mgr.—S. W. Atkins.
N. Y.—New York, John L. Glover, 111 Broadway.

Mattingly Automatic Valve Company, 714 N. 2nd st., St. Louis, Mo.
Mattingly, Jno. G., cornices, La Grange, Ill.
Mattison, Geo., lumber mfrs., Barkersville, N .Y.
Mattison Machine Wks., Rockford, Ill.
Mattson Rubber Co., Lodi, N. J.
Mattson & Anderson, lumber, Bellingham, Wash.
Mattson Rubber Co., see Cigol-Behrens Rubber Co. (successors).
Matuskowitz, Jos., & Sons, contractors, Hazleton, Pa.
Matzke, Otto A., stone, Richmond, Va.
Mau-Sherwood Supply Co., 1616 W. 3rd St., Cleveland, O.
Mau-Sherwood Supply Co., mill & facty. supplies, 1616 W. 3d, Cleveland, Ohio.
Mauch Chunk Iron Works, Mauch Chunk, Pa.
Maud Canning Co., Maud, Ohio.
Mauk Lumber Co., The C. A., 615 Gardner Bldg., Toledo, O.
Maull, G. F., Newark, N. J.
Maulsby, A. R., coffins, caskets, etc., Everett, Wash.
Maumee Malleable Castings Co., The, Woodville, Hazelwood & White Sts., Toledo, O.
Maurer & Co., Wm., 215 S. St. Joseph st., South Bend, Ind.
Maurer & Son, D., 231 N. 8th St., Philadelphia, Pa.

MAURER & SON, HENRY, 420 E. 23rd st., New York.

Maurer Co., Inc., Edward, 81 Fulton st., New York.
Maurer, John, machst., 344 Center, Salem, Ore.
Maurer, W. J., radiator caps, 211 E. Stephenson, Freeport, Ill.
Maus, Geo. H., fishing poles, Amsterdam, N. Y.
Mauser Mill Co., flour, Laury's Station, Pa.
Maute, J., & Sons, machinists, 23 Kane, Buffalo, N. Y.
Mavor, Wm., Co., contractors, 7 S. Dearborn, Chicago, Ill.
Mawhinney Last Co., wooden shoe lasts, Brockton, Mass.
Mawson Hair Cloth Co., Jno., Venango E. of Kensington, Philadelphia, Pa.
Max & Rawolle, shellac & glycerine, 100 William, New York.
Max Grinding Wheel Corp., F., Chester, Mass.
Max, Lewis, glass, 52 Green, Jersey City, N. J.
Max Lumber & Wrecking Co., rosso antico marble, 175 E. Jefferson, Los Angeles, Calif.
Max Mach. Co., boiler cleaners, valves, etc., Clinton, Mass.
Maxam, L. L., lumber mfr., Chestertown, N. Y.
Maxant Button & Supply Co., 118 S. Clinton, Chicago, Ill.
Maxeys Mfg. Co., fertilizer mfrs., Maxeys, Ga.
Maxf Grinding Wheel Corp., Chester, Mass.
Maxfer Truck & Tractor Co., Harvey, Ill.
Maxim Motor Co., hook & ladder trucks, hose wagons, etc., Middleboro, Mass.
Maxim Silencer Co., The, 103 Homestead Ave., Hartford, Conn.
Maxon & Co., contrs., 745 Lyon, Los Angeles, Calif.
Maxon Furnace & Engineering Co., Muncie, Ind.
Maxon Premix Burner Co., see Maxon Furnace & Engng. Co. (successors).
Maxson, E. C., & Son, masons' & bldrs.' matls., Adams Center, N. Y.
Maxson & Starin, masons' & bldrs.' matls., Cortland, N. Y.
Maxtic Belt & Packing Co., Wellesley Hills, Mass.
Maxton Casket Co., Maxton, N. C.
Maxwell Co., Earl C., 93 13th St., Brooklyn N. Y.
Maxwell Engineering & Mfg. Co., New York. (Now Memco Engineering & Mfg. Co., Inc.).
Maxwell-Chalmers Motor Co., 12200 E. Jefferson, Detroit, Mich.
Maxwell Hdwe. Co., Oakland, Calif.
Maxwell, Jno., & Son, stone prod., 112 Winchester av., New Haven, Conn.
Maxwell Motor Co., 2648 Jefferson, Detroit, Mich.
Maxwell Steel Vault Co., Oneida, N. Y.
Maxwell's, John, animal cages, 259 Pearl, New York.
May & Grimwood, Inc., contrs., Haas bldg., Los Angeles, Calif.
May Bros., common brick, Lafayette, Ind.
May Bros., Kentucky Ave., Memphis, Tenn.
May Bros., windmills, Dept. H, Galesburg, Ill.
May Creek Shingle Co., Renton, Wash.
May, Edw. C., 2312 W. 17th, Wilmington, Del.
Mayflower Mills, Leesburg rd. & N. P., Ft. Wayne, Ind.
May, H. A., Foundry Co., 61st & Eastwick, Philadelphia, Pa.
May, H., & Co., canned goods, Egg Harbor City, N. J.
May Hardware Co., F. P., 469 C. N. W., Washington, D. C.
May Hardware Co., 88 Front, Portland, Ore.
May, Jacob, architect'l & ornamental iron, 850 De Kalb av., Brooklyn, N. Y.
May Supply Co., Anderson, Ind.
May, Sylvester, light fixture mfrs., 98 Schermerhorn, Brooklyn, N. Y.
May, Wm., machst. & fndr., Bremen, Ind.
May, Wm. H., & Son, agricultural implements, Alexandria, Va.
May, Wm. M., Co., cornices & skylights, 537 W. 54th, New York.
Mayberger, Edw. F., cornices & skylights, 1 Hubert, Boston, Mass.
Maydole Hammer Co., The David, Norwich, N. Y.
Mayberry, C. B., & Son, flour mills, Sparta, Tenn.
Maybro Co., phonographs, bicycles, grist mills, 80 Exchange, Binghamton, N. Y.
Mayer & Eachus, machsts., West Chester, Pa.
Mayer & Kornbau Architect'l Iron Co., 13 Dry Dock, New York.
Mayer & Loewenstein, 164 Water St., New York.
Mayer, Bez Stone Co., East Orange, N. J.
Mayer Brick Co., C. P., Bridgeville, Pa.
Mayer Bros., machsts. & fndrs., Antigo, Wis.
Mayer Bros., Co., see Little Giant Co. (successor).
Mayer Bros., Constr. Co., Erie, Pa.
Mayer Carburetor Co., 2673 Main, Buffalo, N. Y.
Mayer China Co., Beaver Falls, Pa.

MAYER CO., GEO. J., 2030 N. Alabama St., Indianapolis, Ind.
Pres.—Geo. J. Mayer.
Sec. & Treas.—Walter R. Mayer.

Mayer Coating Machines Co., Inc., Fine Arts Bldg., Rochester, N. Y.
Mayer, Daniel, scrap iron & steel, Albany, Ga.
Mayer, E. W., cut glassware, Port Jervis, N. Y.
Mayer, Geo., & Co., optical goods mfrs., 728H Sansom, Philadelphia, Pa.
Mayer, Leopold, camel hair pencils, 83 Warren, New York.
Mayer, Max, 10th & Cherry St., Philadelphia, Pa.
Mayer, Michael, sash, door & blind mfrs., 181 Moore, Brooklyn, N. Y.
Mayer, R. C., Co., Irvington, Calif.
Mayer, Richard Co., 200 Summer St., Boston, Mass.
Mayer, Robt., & Co., printing inks, 451 11th, New York.
Mayer, Sidney E., Co., contrs.' tools, machy., lbr. & mill supplies, San Diego, Calif.
Mayer Tank Mfg. Co., wood tanks, 212 Russell, Brooklyn, N. Y.
Mayer, Wm., Co., sash. door & blind mfrs., 646 W. 3d, Cincinnati, Ohio.
Mayer, Willy & Co., paper shades, 41 Union sq., New York.
Mayerhoff, C. E., lbr., Pachuta, Miss.
Mayes, Howard Lbr. Co., Covington, Tenn.
Mayes, W. S., see Mayes, Howard Lbr. Co. (successors).
Mayfield, M. M., sash, door & blind mfrs., Dallas, Tex.
Mayfield Planing Mills, Mayfield, Ky.
Mayflower Mills, flour, Fort Wayne, Ind.
Mayher, Wm., Lumber Co., Greeley, Colo.
Mayhew Steel Products, Inc., 291 Broadway, New York.
Mayhew Co., elec. lgt. plants, 867 31st, Milwaukee, Wis.
Mayhew, H. H., Co., machsts. & fndrs., Shelburne Falls, Mass.
Mayhugh, J. D., Mfg. Co., lumber, Walton, Ky.
Maylender Bros. Co., leather, Johnstown, N. Y.
Maynard, C. A., Northampton, Mass.
Maynard Electric Steel Casting Co., Kilbourn Rd., Milwaukee, Wis.
Maynard Lumber Co., Maynard, Minn.
Maynard Mfg. Co., plbrs. spec., Waltham, Mass.
Maynz & Co., varnish mfrs., 13 Water, New York.
Mayo, A. H., canned goods, Naskeag, Me.
Mayo Const. Co., 333 Union, Lynn, Mass.
Mayo Lbr. Co., Milton, Fla.
Mayor, Thos., & Son, flyers, 26 Olney, Providence, R. I.
Mayou Foundry Supply Co., J. J., 80 E. Jackson Blvd., Chicago.
May's Landing Cut Glass Co., May's Landing, N. J.
Mays Mfg. Co., hubs, staves & ties, Leslie, Ark.
Mays Rattan Wks., furniture, 3347 N. Clark, Chicago, Ill.
Maysville Brick Co., Maysville, Ky.
Maysville Guano Co., fertilizer mfrs., Maysville, Ga.
Maytag Co., Newton, Ia.
Mayton Lbr. Co., Hacker Valley, W. Va.
Maytown Lbr. Co., Maytown, Fla.
Mayville Canning Co., Mayville, Wis.
Mayville White Lime Wks., Mayville, Wis.
Maywood Machine Works, Inc., Maywood, Ill.
Maywood Packing Co., canned goods, Corning, Calif.
Maze Co., W. H., Peru, Ill.

MAZEL-REST & CO., 1846 Grand av., Chicago, Ill.

Mazer Acoustile Co., 324 S. 7th st., Philadelphia, Pa.
Mazel-Rest Co., machsts.' tools, etc., 1846 Grand av., Chicago, Ill.
Mazura Mfg. Co., camp stoves, 412 S. 6th, St. Louis, Mo.
Mazzolini Artcraft Co. (Ltg. Fixt.), 6629-31 St. Clair Ave., Cleveland, O.
Meacham & Babcock Shipbldg. Co., Seattle, Wash.

MEAD & CO., 19th & M. C. M. R. R., Detroit, Mich.

Mead & Eastwood, sashes, doors & blinds, San Marcos, Texas.
Mead & Wheeler Co., metal waste baskets, 35 S. Wabash, Chicago, Ill.
Mead Constr. Co., 441 Postal Station bldg., Indianapolis, Ind.
Mead Cycle Co., 162 N. Clinton St., Chicago.
Mead Electric Co., 5604 Cedar Ave., Cleveland, O.
Mead Hardware Co., Albuquerque, N. M.
Mead Mfg. Co., overalls, Burlington, Vt.
Mead-Morrison Mfg. Co., East Boston, Mass.
Mead Pulp & Paper Co., Callahan Bldg., Dayton, O.
Meade, F. B., & J. M. Hamilton, architects, National City bldg., Cleveland, Ohio.
Meade, Richard K., industrial, chemical & mechanical engineer, 11 E. Fayette, Baltimore, Md.
Meador, J. G., lbr., Winchester, Miss.
Meadow Creek Lbr. Co., Meadow Creek, Idaho.
Meadow Lands Coal Co., bituminous, 1st Nat'l Bk. bldg., Pittsburgh, Pa.
Meadow River Lumber Co., Rainelle, W. V.
Meadows Co., E. H. & J. A., fertilizer, New Bern, N. C.
Meadows Mfg. Co., The, Bloomington, Ill.
Meadows-Price Co., Inc., Roanoke, Va.
Meads, Chas., & Co., contractors, 217 W. 14th, New York.
Meadville Malleable Iron Co., Meadville, Pa.
Meadville Metallic Vault Co., steel burial vaults, Meadville, Pa.
Meadville Wrench Co., Meadville, Pa.
Meagher-Mars. Co., 331 W. Michigan St., Duluth, Minn.
Meagher, Peter E., Duluth, Minn.
Meagher, Thos. F., cornices, 23½ Trumbull, New Haven, Conn.
Meagher, Wm. J., & Co., contractors, Bay City, Mich.
Meagher's Sons, Jas., 1625 S. Bruno St., San Francisco, Cal.
Meaker Galvanizing Co., 1249 Fulton St., Chicago.
Meaker Spark Plug Co., 532 W. Congress St., Detroit, Mich.
Meakins Machine Wks., 44th av. & E. 16th, Oakland, Calif.
Means & Thatcher, paints, Norfolk Downs, Quincy, Mass.
Means, Justin, excelsior, Edgar, Wis.
Means, Mark A., Co., mill & facty. supplies, Lewiston, Idaho.
Meany & Co., Edwin F., 534 Albany St., Boston, Mass.
Mears Earphone Co., audiphones, 43 W. 34th, New York.
Mears Improved Line Co., Gloucester, Mass.
Mears-Slayton Lumber Co., see North Shore Bldg. Material Co. (successor).
Measuregraph Company, The, 1819 Olive St., St. Louis, Mo.
Measurite Co., 522 Marion, E., Taylor Bldg., Louisville, Ky.
Meatyard Constr. Co., Wilkins bldg., Washington, D. C.
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Mebins-Jones Co., contrs., Rivers bldg., Los Angeles, Calif.
Mecca Machinery Co., 85 Adams St., Brooklyn, N. Y.
Meccano Co., toy metal bldg. matls., 200 5th av., New York.
Mechanic Falls Brick Co., Mechanic Falls, Me.
Mechanic Furn. Co., Dept. H, Rockford, Ill.
Mechanical & Electrical Mfg. Co., 2227 Prairie Ave., Chicago.
Mechanical Accountant Co., 17 Warren St., Providence, R. I.
Mechanical Appliance Co., see Allis, Louis, Co. (successors).
Mechanical Appliance Co., motors, 133 Stewart, Milwaukee, Wis.
Mechanical Devices Co., Aurora, Ill.
Mechanical Equip't Co., steam & hot water htg. contr., 206 Centre, New York.
Mechanical Fabric Co., 40 Sprague St., Providence, R. I.
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Mechanical Handles Co., machsts. & fndrs., Hudson, N. Y.
Mechanical Machine & Tool Wks., 549 Fulton St., Chicago.

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V. P.—Edward F. Swift, N. B. Higbie.
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Mechanical Rubber Co., 2639 W. Grand, Chicago, Ill.
Mechanical Rubber Co., Cleveland, O.
Mechanical Specialties Mfg. Co., 1619 N. Washtenaw Ave., Chicago.
Mechanical Supplies Co., 220 E. 3rd St., Cincinnati, O.
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Mechanics Furniture Co., music cabinets, Rockford, Ill.
Mechanics Iron Foundry Co., 38 Kemble, Rox., Boston, Mass.
Mechanics Iron Wks., 909 S. Ewing av., St. Louis, Mo.
Mechanics Lbr. Co., Fort Smith, Ark.
Mechanics' Machine Co., Rockford, Ill.
Mechanics Paint Co., 715 Franklin av., St. Louis, Mo.
Mechanics Planing Mill Co., 3724 N. Broadway, St. Louis, Mo.
Mechanics' Planing Mill Co., sash, door & blind mfrs., 1716 Main, Evansville, Ind., & Fort Smith, Ark.

Mechanics Tool Co., 23rd Ave. & 7th St., Rockford, Ill.
Mechanicville Specialty Supply Mfg. Co., Mechanicville, N. Y.
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Medal Paving Brick Co., Swetland Bldg., Cleveland, O.

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Medland Bros., contrs., Logansport, Ind.
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Meek, J. F., Co., advertising novelties, Coshocton, O.
Meek Lumber Co., East Palestine, Ohio.
Meek Mfg. Co., ovens, Westport, Conn.
Meek Milling Co., flour, Marissa, Ill.
Meek Oven Mfg. Co., 433, I. W. Hellman Bldg., Los Angeles, Cal.
Meek Trunk & Bag Co., 1009-16th St., Denver, Colo.
Meeker Advtg. Co., spec., 3d st. & Missouri av., Joplin, Mo.
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Meeker Foundry Co., 95 Clay St., Newark, N. J.
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Meeker's Union Foundry Corporation, Norwalk, Conn.
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Megargee Paper Mills, Modena, Pa.
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Megquier & Jones Co., 31 Pearl st., Portland, Me.
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Mehring, S. D., carriages, Littlestown, Pa.
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Meiser, H., & Son, fndrs., 204 Clay, Baltimore, Md.
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Meislahn & Co., C. F., 219 N. Sharp St., Baltimore, Md.

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Melchoirs, Peter, & Son, Mach. Works, Omaha, Neb.
Meldrum-Gabrielson Corp., snap gauges, Syracuse, N. Y.
Melee, Owen J., dock bldrs., Long Branch, N. J.
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Melind Co., Louis, 362-4 W. Chicago Ave., Chicago.
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Melink Mfg. Co., Oakwood Ave. & L. S. Ry., Toledo, O.
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Mell-Vaill Lumber Co., Kane, Pa.
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Mellen Lumber Co., Mellen, Wis.
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Mellinger, I. F., masons' & bldrs.' matls., Leetonia, O.
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Mellon-Stuart-Nelson Co., contrs., 343 S. Dearborn st., Chicago, Ill.
Mellor Box Opener Co., Sedalia, Mo.
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Melrose Mill, 2701-2735 Clybourn Ave., Chicago.
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Menasha Mfg. Co., Menasha, Wis.
Menasha Paper Co., Ladysmith, Wis.
Menasha Printing Co., paper mill, Menasha, Wis.
Menasha Printing & Carton Co., Menasha, Wis.
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Menasha Wooden Ware Co., Menasha, Wis.
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Menefee Fdry. Co., 2050 Phenie st., Ft. Wayne, Ind.
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Meng, Anthony, & Co., masons' & bldrs.' matls., Clay 123 S. Front, Philadelphia, Pa.
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Menge Pump & Machinery Co., Ltd., New Orleans, La.
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Mengel Co., The, Louisville, Ky.
Menges Motor Co., The, Greenville, Miss.
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Menke, Chas., children's carriages, 136 E. 7th, New York.
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Mennel Milling Co., Toledo, Ohio.
Mennen Co., shaving soap, 42 Orange, Newark, N. J.
Meno Milling Co., flour, Meno, Okla.
Menominee Bay Shore Lumber Co., Sopertown, Wis
Menominee Brick Co., Menominee, Mich.
Menominee Motor Truck Co., Menominee, Mich.
Menominee River Sugar Co., Menominee, Mich.
Menominee Saw Co., Menominee, Mich.
Menominee Stained Glass Co., Menominee, Mich.
Menominee White Cedar Co., Marinette, Wis.
Menomonee Falls Mfg. Co., Menomonee Falls, Wis.
Menomonie Milling Co., flour, Menomonie, Wis.
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Men's Wear, trade publication, 8 E. 13th, New York.
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Mente & Co., S. Peters, New Orleans, La.
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Menzel & Son, Wm., 64 Broad St., New York.
Menzel & Jeffrey Co., fndrs., 317 9th av., Minneapolis, Minn.
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Mercantile Specialties Corp., marine auxiliaries, indicators & port lights, 11 Broadway, New York.
Mercantile Warehouse Co., broom & whisk sewing machs., 71 Murray, New York.
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Mereen-Johnson Machine Co., 4401 Lyndale Ave., N. Minneapolis, Minn.

M

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Meriden Press & Drop Co., machsts. & fndrs., Meriden, Conn.
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Meridian Lumber Co., Ltd., Meridian, La.
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Merkle Bros. Co., Canal & Jackson, Cincinnati, O.
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Merrell Co., wholesale hardware, Toledo, Ohio.
Merrell Mfg. Co. (Treading & Cutting Machy.), Curtis St., & L. S. Ry., Toledo, O.
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Merriam Co., G. & C., 17 Worthington St., Springfield, Mass.
Merriam Mfg. Co., Durham, Conn.
Merriam Paper Co., 150-56 Lafayette St., New York.
Merrian, Hall & Co. (N. Leominster furn.), Dept. H, Leominster, Mass.
Merrick, C. H., W. Midler Ave., Syracuse, N. Y.
Merrick Lumber Co., Holyoke, Mass.

MERRICK SCALE CO., 184 Autumn St., Passaic, N. J.

Merrifield Co., killers-fly swatters, Springvale, Me.
Merrifield, J. E., stone producers, Boonville, Mo.
Merrill & Co., Wm. B., 3368 Washington St., Jamaica Plain, Boston, Mass.

MERRILL BROS., Iron & steel forgings, 3 Arnold, Maspeth (Borough of Queens), N. Y.

Merrill Bros., 671 Columbus Ave., New York.
Merrill, C. N., & Son, masons' & bldrs.' matls., Bristol, N. H.
Merrill Company, The, 121 Second St., San Francisco, Calif.
Merrill, E. R., Spring Co., elliptic & auto., 530 W. 28th, New York.
Merrill, Geo. B., & Co., granite, Lynn, Mass.
Merrill Iron Works, Merrill, Wis.
Merrill Mach'y & Supply Co., Merrill, Wis.
Merrill Process Co., industrial heating & ventilating engineers, Old South bldg., Boston, Mass.
Merrill Silk Co., knitted gloves, Hornell, N. Y.
Merrill-Springer Co. (Wood Turners), Bethel, Me.
Merrill-Stevens Shipbuilding Corp., 612 E. Bay st., Jacksonville, Fla.
Merrill's Son, R., 66 South St., New York.
Merrill, Tom, Sash & Door Co., 1701 Ocean av., Long Beach, Calif.
Merrill Veneer Co., Merrill, Wis.
Merrill Woodenware Co., Merrill, Wis.
Merrimac Chemical Co., 148 State St., Boston, Mass.
Merrimac Paper Co., Lawrence, Mass.
Merrimac Plating Wks., Merrimac, Mass.
Merriman Bros., (Marine Specialties) 185 Amory St., Jamaica Plain, Boston, Mass.
Merritt & Chapman Derrick & Wrecking Co., 17 Battery Pl., New York.
Merritt Bros., lbr., Reading, Pa.
Merritt, F. M., wire hooks, Penn Yan, N. Y.
Merritt Hardware Co., Macon, Ga.
Merritt, Jas. H., & Co., steam htg. contrs., 207 Water, New York.
Merritt Mfg. Co., Lockport, N. Y.
Merritt Metal Ceiling Co., 89 Academy St., Newark, N. J.
Merritt, S. W., Co., grinders, pistons & jigs, 699 W. 133rd, New York.
Merriweather, W. W., & Son, whol. hdwe., Paragould, Ark.
Merrow Machine Co., The, 28 Lourel st., Hartford, Conn.
Merrow Packing Co., meat, Auburn, Me.
Merry Bros., Augusta, Ga.
Merry Optical Co., 1009 Walnut, Kansas City, Mo.
Merry Steel Truck Co., Augusta, Ga.
Merryday Grocery Co., Palatka, Fla.
Merryman, Ridgeway, lbr., mfrs., Marine Bk. bldg., Baltimore, Md.
Merryman, S. Howard, incubators, Towson, Md.
Mersch, Frank, & Sons, stone, 1037 Wade, Cincinnati, O.
Mersereau Metal Bed Co., machsts. & fndrs., 292 Johnson av., Jersey City, N. J.
Mersfelder Pattern Wks., 219 Butler, Cincinnati, O.
Mershon & Morley Co., Saginaw, Mich.
Mershon, Eddy, Parker Co., Saginaw, Mich.
Mershon Grate Works, 5750 Westminster av., Phila., Pa.
Mershon Lbr. Co., John D., 210 Bearinger Bldg., Saginaw, Mich.
Mershon Patent Shaking Grate Works, 5750 Westminster st., Philadelphia, Pa.
Mershon, Wm. B., Saginaw, Mich.
Mersick & Co., C. S., 274 State St., New Haven, Conn.
Mersman Bros., battery holders, Ottawa, Ohio.
Mertes Machy. Co., dealers, 240 Oregon, Milwaukee, Wis.
Mertes-Miller Co., 239 Lake St., Milwaukee, Wis.
Mertz & Sons, cornices, Sandusky, Ohio.
Mertz, Chas. H., 20th & Fairview, Allentown, Pa.
Mertz Co., bodies, auto, 704 Woodland, Cleveland, O. (tr.)
Mertz, John, Mfg. Co., stamping works, Sandusky, Ohio.
Mertz's, Geo., Sons, rope mouldings, contrs., Port Chester, N. Y.
Mervy-Elwell Co., dock bldrs., ft. of 11th av., Oakland, Calif.
Merwin & Brown Co., mill & facty. supplies, Winsted, Conn.
Merwin Brick Co., C. P., Berlin, Conn.
Merwin, L. B., & Co., overalls, Bloomington, Ill.
Merwin Mfg. Co., Erie, Pa.
Merwin Paper Co., Rainbow, Conn.
Merwin Paper Co., Windsor, Conn.
Merwin Paper Co., press papers & boards, 28 Laurel, Hartford, Conn.
Mery, M. L., machinist, Chico, Calif.
Merz Bros., carriages, 9 Crawford, Newark, N. J.
Merz, G., & Co., tool boxes, etc., 112 W. Superior, Chicago, Ill.
Merz, N., & Son, machsts. & fndrs., Salem, Ill.
Mesa, Fernando C., Co., elec. porcelain specialties, Dept. H, Coit & Chancellor av., Irvington, N. J.
Mesa Flour Mill, Grand Junction, Colo.
Mescher, P. F., lbr., Curtain, Ore.
Mesker & Co., Geo. L., 1st and Ingle Sts., Evansville, Ind.
Mesker Bros. Iron Co., 421 S. 6th St., St. Louis, Mo.
Meskill Lbr. Co., Meskill, Wash.
Mesler & Co., W. P., Ilmo, Mo. (See General Box Co.)
Mess, Matthew, lbr. mfrs., Wellsville, N. Y.
Messenger & Nichols, canned goods, Williamsburg, Md.
Messenger & Parks Mfg. Co., ceilings, tanks, ventilator mfrs., etc., Aurora, Ill.
Messenger, Benj., glass stainers, Erie, Pa.
Messenger Bros., stone producers, Steelton, Pa.
Messenger, F. H., Co., paint mfrs., Auburn, N. Y.
Messenger, H. B., canned goods, Federalsburg, Md.
Messenger, R. W., & Co., canned goods, Federalsburg, Md.
Messer Bros., stone producers, Brockton, Mass.
Messer Co., Inc., James A., 1000 Pennsylvania Ave., N. W., Washington, D. C.
Messer, John B. (Est. of), brick, Easton, Pa.
Messer, Jos. J., Co., wood mantels, 457 Central av., Newark, N. J.
Messer, Richard, stone, Claremont, N. H.
Messer Welding Supply Corp., 126 10th st., Brooklyn, N. Y.
Messick & Harper, canned goods, Hurlock, Md.
Messick, R. M., & Sons, canned goods, Bethlehem, Md.
Messick, W. F., & Bro., canned goods, Salisbury, Md.
Messinger, H. & F., Mfg. Co., shock absorbers, saddles & tires, 432 Austin pl., New York.
Messinger's H. C., Sons, machsts. & fndrs., Conshohocken, Pa.
Messinger Mfg. Co., Tatamy, Pa.
Messinger Paper Co., 180 W. Randolph St., Chicago.
Messinger Teaming & Supply Co., masons' & bldrs.' supplies, Easton, Pa.
Messmer Mfg. Co., Inc., Fred, 2700 S. 7th St., St. Louis, Mo.
Messner & Co., steam fitters' supplies, Cedar Rapids, Ia.

MESTA MACHINE CO., Box 1124, Pittsburgh, Pa.

METAL & ALLOY SPECIALTIES CO., INC., 1875 Elmwood av., Buffalo, N. Y.

METAL & THERMIT CORPORATION, 120 Broadway, New York.

Pres. & Gen. Mgr.—F. H. Hirschland.
Asst. Gen. Mgr.—Fred W. Cohen.
Sales Mgr. Thermit Dept.—William R. Hulbert.
Sales Mgr. Metal and Alloys Dept.—Arthur F. Braid.
Branch Offices:
Chicago—7300 S. Chicago Ave.
Pittsburgh, Pa.—301-307 Hillsboro St.
San Francisco, Cal.—South.
Toronto, Ont., Can.—15 Emily St.

Metal Auto Parts Co., Henry & Chase Sts., Indianapolis, Ind.
Metal Ball Co., metal balls, 43 Foster, Danbury, Conn.
Metal Barrel Co., Galesburg, Ill.
Metal Barrel Corp., Peoria, Ill.
Metal Canning Co., Meta, Mo.
Metal Cornice & Roofing Co., 811 Lexington, Phila., Pa.

METAL-CRAFT MFG. CO., 64 W. Randolph St., Chicago.

Pres.—Norman M. Cottrell.

Metal Crafters, stamping & drawings, sheet metal, E. Stroudsburg, Pa.
Metal Engng. Co., road culverts, Danville, Pa.
Metal Export Co. of America, 669 5th Ave., New York.
Metal Forming Corp., mail boxes, Elkhart, Ind.
Metal Forms Corp., 1436-1440 Booth St., Milwaukee, Wis.
Metal Furniture Co., bedstead mfrs.; spring beds, 21250 1st av., Evansville, Ind.
Metal Goods Corp., 13 Carolina, Buffalo, N. Y.
Metal Hose & Tubing Co., Inc., Raymond & Tillary Sts., Brooklyn, N. Y.
Metal Industry, trade publication, 99 John, New York.
Metal Office Furniture Co., Division St., S. W., Grand Rapids, Mich.

METAL PACKAGE CORP. OF N. Y., executive & sales office, 110 E. 42nd, New York.

Plants:
New York.
Baltimore.
Brooklyn.

Chicago Office:
City Hall Square Bldg.

Metal Post & Culvert Co., Niles, Ohio.
Metal Price Tag Co., menu card frames & sign holders, 409 S. Stanford av., Los Angeles, Calif.
Metal Products Co. (Mill Rep.), 549 W. Washington St., Chicago.
Metal Products Corp., garbage cans & stamping, etc., 49 Chestnut, Weehawken, N. J.
Metal Purchasing Co., (Blk. Iron & Steel) 63 Reade St., New York.
Metal Reversible Window Device Co., Fremont, Ohio.
Metal Safety Ry. Tie Co., 320 Felt Bldg., Salt Lake City, Utah.
Metal Saw & Machine Co., Inc., 40 Napier St., Springfield, Mass.
Metal Shelter Co., port. fireproof garage, S. Wabasha, St. Paul, Minn.
Metal Sign Adv. Co., H East Hill, Muscatine, Ia.
Metal Sign Board Co., Kalamazoo, Mich.
Metal Specialty Mfg. Co., Inc. See Waterbury Steel Ball Co. (successors).
Metal Specialty Co., 1533 W. 6th St., Cincinnati, O.
Metal Spec. Co., hdwe. mfrs.—stampings, 1533 W. 6th, Cincinnati, Ohio.

METAL SPECIALTIES MFG. CO., Dept. H., 338 N. Kedzie av., Chicago.

Metal Stamping Co., auto. seats, carriage fasteners, etc., 13th, Long Island City, N. Y.
Metal Stamping Co., refrigerators, Jackson, Mich.
Metal Stamping Corp., Streator, Ill.
Metal Supply Co., ball mill, balls & sash weights, 2323 E. 52d, Los Angeles, Calif.
Metaline Chemical Co., boiler compounds, 839 Society for Savings bldg., Cleveland, Ohio.
Metaline Co., The, Long Island City, N. Y.
Metalite Mfg. Co., 649-651 S. Clarence St., Los Angeles, Calif.
Metallic Batten Co., Owensville, Ind.
Metallic Co., 649 S. Clarence, Los Angeles, Calif.
Metallic Drawing Roll Co., machsts., Indian Orchard, Mass.
Metallic Folding Bed Co., 1308-1310 W. 22nd St., Chicago.
Metallic Mfg. Co., elec. light fix. mfrs., 3711 S. Ashland, Chicago, Ill.
Metallic Mfg. Co., ventilator mfrs., Camden, N. J.
Metallic Novelty Co., Troy, O.

METALLIC SASH-OPERATOR CO., 106 N. 23rd St., St. Louis, Mo.

Pres. & Treas.—John J. Waddock.
V. P.—Geo. L. Neuhoff.
Chicago—111 W. Jackson Blvd., Universal Steel Products Co.

Metallic Screen Co., Collins, Wis.
Metallic Sign Letter Co., 433 N. Clark, Chicago, Ill.
Metallo Gasket Co., New Brunswick, N. J.
Metallograph Corp., The, 1100 Brook Ave., New York.
Metalpac Mfg. Co., Maywood, Ill. (Now Goodsell Packing Co., Inc.)
Metals Coating Company of America, 495-497 N. 3rd St., Philadelphia, Pa.
Metals Disintegrating Co., Inc., 62 Broadway, New York.
Metals Exploration Co., mine exploration work, Hobart bldg., San Francisco, Calif.
Metals Extracting Corp., colors, 5501 S. Boyle av., Huntington Park, Los Angeles, Calif.
Metals Production Equipment Co. (see Baush Machine Tool Co., Metals Div., successor).
Metals Refining Co., Inc., white metal alloys, Hump Rd., Hammond, Ind.
Metals Welding Co., The, 4402 Perkins Ave., Cleveland, O.
Metalware Corp., water temperature meters, 3819 N. Ashland, Chicago, Ill.
Metalweld Service Corp., welding rods, fluxes & solder, 2617 Hunting Pk., Phila., Pa.

METALWOOD MFG. CO., Wight & Leib Sts., Detroit, Mich.

Pres. & Gen. Mgr.—W. A. Keen.

Metcalf, Chas., steam fitters' supplies, Streator, Ill.
Metcalf Co., John S., 108 S. La Salle St., Chicago.
Metcalf, E. J., sash, door & blind, Normal, Ill.
Metcalf, J. C., Machy. Co., 102 Pearl, Boston, Mass.
Metcalf, J. J., mill & facty. supplies, Hopkinsville, Ky.
Metcalf, O. F., & Sons, masons' & bldrs.' matls., Franklin, Mass.
Metcalf, Sam'l, machst. & fndr., Seabring, Brooklyn, N. Y.
Meteor Motor Car Co., Piqua, O.
Methow Sawmill Co., Methow, Wash.
Methvin Hardware Co., Columbus, Ga.
Metiskin Co., Inc., 106 East av., Rochester, N. Y.
Metric Metal Works, Erie, Pa.

METRIC PACKING COMPANY, INC., 34 Pauline St., Buffalo, N. Y.

Pres.—H. H. Hewitt.
Sec. & Treas.—W. C. Mullett.
Gen. Mgr.—O. W. Trumbull.
Boston, Mass.—W. S. Carleton.
Chicago—R. T. Hodges.
Cleveland, O.—G. A. Votaw.
Detroit, Mich.—A. N. Canfield.
New York—A. J. Jaeger.
Pittsburgh, Pa.—E. Z. Jefferson.

Metro Typewriter Co., 225 Broadway, New York.
Metropolis Bending Co., neck yokes, Metropolis, Ill.
Metropolitan Air Goods Co., Athol, Mass.
Metropolitan Basket Co., wire, 39 Gt. Jones, New York.
Metropolitan Bedding Mfg. Co., 1017 Folsom, San Francisco, Calif.
Metropolitan Body Co., 434 Grand, Bridgeport, Conn.
Metropolitan Building Exhibit, Metropolitan bldg., Los Angeles, Calif.
Metropolitan Cedar Co., ties, Peyton bldg., Spokane, Wash.
Metropolitan Device Corp., electric products, 1250 Atlantic av., Brooklyn, N. Y.
Metropolitan Elec. Mfg. Co., light switches & panel board cabinets, 524 1st, Seattle, Wash.
Metropolitan Electric Mfg. Co., Long Island City, N. Y.
Metropolitan Electric Protective Co., 253 7th Ave., New York.
Metropolitan Electric Supply Co., 49 N. 6th St., Philadelphia, Pa.
Metropolitan Electrical Supply Co., 180 W. Lake St., Chicago.
Metropolitan Electrical Supply Co., 41 N. 36th St., New York.
Metropolitan Engr'g Co., 1250 Atlantic Ave., Brooklyn, N. Y.
Metropolitan Furn. Co., 538H Main, Springfield, Mass.
Metropolitan Furniture Mfg. Co., Inc., 1017 Folsom, San Francisco, Calif.
Metropolitan Gas & Elec. Fix. Co., 1767 E. 55th, Cleveland, Ohio.
Metropolitan Glass Co., 1545 N. Western av., Chicago, Ill.
Metropolitan Imptg. & Mfg. Co., wall pockets & advtg. spec., 423 W. 55th, New York.
Metropolitan Iron & Steel Co., 560 W. 26th, New York City.
Metropolitan Iron Fndry., 890 Metropolitan av., Brooklyn, N. Y.
Metropolitan Lumber Co., Monadnock Blk., Chicago.
Metropolitan Mfg. Co., furniture, 777H Boylston, Boston, Mass.
Metropolitan Match Co., 503 Market St., San Francisco, Cal.
Metropolitan Material Co., green house materials, 1335 Flushing av., Brooklyn, N. Y.
Metropolitan Mattress Co., 34 Plympton, Boston, Mass.
Metropolitan Paint & Varnish Co., 322 Race, Philadelphia, Pa.
Metropolitan Paving Brick Co., Canton, O.
Metropolitan Paving Brick Co., Minerva, O.
Metropolitan Paving Co., St. Joseph, Mo.
Metropolitan Redwood Co., Metropolitan, Cal.
Metropolitan Sewing Machine Corp., Nyack, N. Y.
Metropolitan Weather Strip Co., 56 Murray, New York.
Mets, P. A., Paint Co., 769 Clinton, Buffalo, N. Y.
Metsch Refractories Co., heat resisting porcelain, E. Liverpool, Ohio.
Metz & Bowles, beading & crimping machines, Clinton, Ill.
Metz & Co., Inc., H. A., 122 Hudson St., New York.
Metz & Schloerb, moccasins, Oshkosh, Wis.
Metz Bros. Co., contractors, 1295 Fillmore av., Buffalo, N. Y.
Metz Co., Waltham, Mass.
Metz, J. L., Furn. Co., 1465 W. 37th, Chicago, Ill.
Metz Mfg. Co., Dubuque, Ia.
Metz Paint Co., P. A., Clinton & Lord Sts., Buffalo, N. Y.

Metz Structural Steel Co., Bridgeport, Pa.
Metzer Seed & Oil Co., P. O. Box 200, Toledo, O.
Metzger Bros., tents, Rutland, Vt.
Metzger Const. Co., contrs., 676 Genesee, Buffalo, N. Y.
Metzger, Geo. C., 101 Parker, New York.
Metzger, Harry, brooms, Muscatine, Ia.
Metzger, Louis H., 626 First National Bank Bldg., Mobile, Ala.
Metzger, J., Mfg. Co., machsts., 2165 Spring Grove, Cincinnati, O.
Metzger, M., Co., signs, metal litho., 3264 W. Lake, Chicago, Ill.
Metzger Mattress Co., spring beds, Atlanta, Ga.
Metzger, R. A., fly swatters, New Philadelphia, O.
Metzger, Richard, glass stainers, 54 Duryee, Newark, N. J.
Metzger Welding Co., The, Powers St. and Colerain Ave., Cincinnati, O.
Metzler, J., & Sons Co., carriages, 158 E. Grand av., Chicago, Ill.
Meurer Co., Inc., 245 Lawnpoint st., Brooklyn, N. Y.
Meurer Steel Barrel Co., Borden Ave., Brooklyn, N. Y.
Mexican Crude Rubber Co., 668 Penobscot, Detroit, Mich.
Mexican Petroleum Co., Los Angeles, Calif.
Mey Chain & Belt Co., 82 Washington St., Buffalo, N. Y.
Meyberg Co., elec. & gas light fixtures, Los Angeles, Calif.
Meyenberg Evaporated Milk Co., 1 Drumm, San Francisco, Calif.
Meyer & Brown, crude rubber, 347 Madison av., New York.
Meyer & Co., E. H., 35 E. Court st., Cincinnati, O.
Meyer & Co., M. (Engravers), 299 Broadway, New York.
Meyer & Co., Percy J., 359 Satler St., San Francisco, Cal.
Meyer & Ruh Co., mill & fcty. supplies, masons' & builders' materials, Bayonne, N. J.
Meyer & Sons, J., Bourse, Philadelphia, Pa.
Meyer & Wenthe, 24-30 S. Jefferson St., Chicago.
Meyer, A. B., & Co., masons' & bldrs.' matls., 1544 Hoyt av., Indianapolis, Ind.
Meyer, A. G., & Sons, stone producers, Mankato, Minn.
Meyer, A. J., Mfg. Co., screw mach. products, 3840 Blvd., W. Hoboken, N. J.
Meyer Bros. Drug Co., 217 S. 4th St., St. Louis, Mo.
Meyer Bros. Drug Co., Broadway & Clark St., New York.
Meyer Bros. Saddlery Co., Sioux City, Ia.
Meyer, Burstein & Sons, Neenah, Wis.
Meyer, C. G., & Son, auto tops, Tiffin, Ohio.
Meyer, C. R., Sons Co., contractors, Oshkosh, Wis.
Meyer Camera & Instrument Co., 89-3rd St., New York.
Meyer Co., H. H., 110 S. Howard St., Baltimore, Md.
Meyer Co., Leo, Akron, O.
Meyer Co., Wm., 1644 Girard, Chicago.
Meyer Contracting Co., 1182 Broadway, New York.
Meyer Corporation, hog oilers, feed grinders, etc., Morton, Ill.
Meyer, Edw., & Co., cornices, 1541 Elm, Cincinnati, O.
Meyer, E. A., Const. Co., contrs., 200 Broadway, Quincy, Ill.
Meyer, Eugene, mill & facty. supplies—whol. hdwe., Jefferson, Tex.
Meyer, F., & Bro. Co., mill & factory supplies; cornices, tin plate, etc., Peoria, Ill.
Meyer, F. & J., plbrs. supplies, 116 Broad, New York.
Meyer, F. W., Co., printing inks, 46 Walworth, Brooklyn, N. Y.
Meyer, Fred'k C., grey iron & brass castings, Shelton, Conn.
Meyer Furnace Co., Peoria, Ill.
Meyer, G. A. & E., color mfrs., litharge & imports, 114 Liberty, New York.
Meyer, G. E., & Son, cornice, W. Jefferson blvd., South Bend, Ind.
Meyer, Geo. J., Malting & Grain Co., 1316 Niagara, Buffalo, N. Y.
Meyer, Geo. J., Mfg. Co., bottle cleaning machy., 598H Clinton, Milwaukee, Wis.
Meyer, Geo. J., & Co., 4339 Winthrop, Indianapolis, Ind.
Meyer, H. H., Packing Co., meat, Central av. & Linn, Cincinnati, Ohio.

MEYER CO., HENRY H., 110 S. Howard st., Baltimore, Md.

Meyer, J. F., Mfg. Co., sashes, doors & blinds, Hannibal, Mo.
Meyer, Jas. S., machy. dlr., Rockville, Mo.
Meyer, John F., Tire Duck Co., 168 Clinton, Newark, N. J.
Meyer, John H., & Co., Inc., tire fabrics, 448 4th av., New York.
Meyer, Jos. F. Co., whol. hdwe., Houston, Texas.
Meyer, L. M., & Co., coal bags, contrs.' tents, etc., 100 Alderman, Springfield, Mass.
Meyer, Louis Co., meat packers, 374 Flushing av., Brooklyn, N. Y.
Meyer, Louis J., plated silverware, 804 Walnut, Philadelphia, Pa.
Meyer Mfg. Co., A. F., Morton, Ill.
Meyer, N., corn brooms, Green Bay, Wis.
Meyer, Otto C., & Co., boiler wks. & iron castings, 30 Franklin av., Brooklyn, N. Y.
Meyer, R. M., masons' & bldrs.' matls., 3010 Jefferson av. W., Detroit, Mich.
Meyer-Sniffin Co., plumbers' supplies—jobbers, 11 W. 48th, New York.
Meyer Supply Co., plbrs.' supplies, Cleveland, O.
Meyer Thread Co., John C., Lowell, Mass.
Meyer, W. D., masons' & bldrs.' matls., Quincy, Ill.
Meyer, Wm. D., masons' & bldrs.' supplies, 301 Delaware, Quincy, Ill.
Meyer, Wilson & Co., cement & chemical imps., 485H California, San Francisco, Calif.
Meyercord Company, The, 133 W. Washington St., Chicago.
Meyerlambers, W. H., architect, Navastota, Texas.
Meyerowitz, E. B., surgical instruments, 1158 Madison av., New York.
Meyers Bros., brick, common, Azalia, Mich.
Meyers Bros., plbrs.' supplies, Charleston, W. Va.
Meyers, E. B., stone producers, Hanover, Pa.
Meyers, H. J. & W. A., masons' & bldrs.' matls., Hoversville, Pa.

MEYERS MFG. CO., THE, FRED J., Hamilton, O.

Meyers Safety Switch Co., knife switches & boxes, etc., 419 Tehama, San Francisco, Calif.
Meyers Tool & Gauge Co., W. F., Bedford, Ind.
Meyers, W. H., & Co., canned goods, Bryansville, Pa.
Meyler, Wm., Co., Ltd., contrs., 206 Quarry, Phila., Pa.
M.-H. Aterite Co. acid, cocks & valves, Paterson, N. J.
M. H. Foundry & Mfg. Co., grey iron castings, Belleville, Ill.
Miami Boiler Compound Co., 505 Elm, Cincinnati, Ohio.
Miami Canning Co., Lebanon, O.
Miami Copper Co., 61 Broadway, New York.
Miami Cycle & Mfg. Co., Middletown, O.
Miami Fertilizer Co., Hamilton, Ohio.
Miami Fdry. Co., Miamisburg, Ohio.
Miami Mfg. Co., Peru, Ind.
Miami Paper Co., W. Carrollton, O.
Miami Supply Co., The, Miami, Fla.
Miama Tool & Die Co., The, Dayton, O.
Miami Trailer Co., Troy, O.
Miamisburg Paper Co., Miamisburg, O.
Mianus Mfg. Co., plushers—horse blankets, Coscob, Conn.
Mianus Motor Wks., machinists & fdrs., Stamford, Conn.
Mica Crystal Co., grit, Warren, N. H.
Mica Insulator Co., 68 Church St., New York.
Mica Mfg. Co., 454 18th St., Brooklyn, N. Y.
Michael Heating Co., 414 W. Colfax av., Denver, Colo.
Michael, John M., canned goods, Aberdeen, Md.
Michael, M., & Bro., whol. hdwe., Paducah, Ky.
Michael Supply & Roofing Co., Talladega, Ala.
Michael, W. O., canned goods, Fountain Green, Md.
Michaels, A. H., 31 Beaver St., New York.
Michael's Art Bronze Co., Covington, Ky.

MICHAELS CO., H. C., 113 Lexington Ave., New York.

Michalak, Albert, 645 Milwaukee, Milwaukee, Wis.
Michel & Pelton Co., disinfectants & liquid soap, 639 Howard, San Francisco, Calif.
Michel & Pfeffer, 1415-1437 Harrison St., San Francisco, Cal.
Michel & Pfeffer Iron Wks., 1417 Harrison, San Francisco, Calif.

MICHEL, A. EUGENE, Morton Bldg., New York.

Michel Cooperage Co., Sandusky, O.
Michel Electric Hand Saw Co., 166 E. Grand av., Chicago.
Michelin Tire Co., Milltown, N. J.
Michelmann Steel Constr. Co., boilers, stacks, tanks, etc., Quincy, Ill.
Michelsen, George J., Furn. Co., Dept. H, Rochester, N. Y.
Michener, E. S., carbon removers, New Castle, Pa.
Michie, Andrew Y., hair cloth mfr., 5th & Columbia, Phila., Pa.
Michigan Alkali Co., Wyandotte, Mich.
Michigan Ammonia Works, Meldrum St., Detroit, Mich.
Michigan Automotive Sup. Co., 134 E. Jefferson St., Detroit, Mich.
Michigan Auxiliary Fire Alarm Co., 868 Woodward Ave., Detroit, Mich.
Michigan Bedding Co., mattresses, 262 Orleans, Detroit, Mich.
Michigan Bent Rim & Basket Mfg. Co., Lowell, Mich.
Michigan Bearings Co., 4612 Woodward av., Detroit, Mich.
Michigan Body & Motor Co., Union St., S. E. Grand Rapids, Mich.
Michigan Bolt & Nut Works, see Amer. Bolt Corp. (successors).
Michigan Brass & Iron Works, The, Lansing, Mich.
Michigan Bridge & Pipe Co., Lansing, Mich.
Michigan Builders' Supply Co., 208 E. Hancock, Detroit, Mich.
Michigan Carbon Works, bone black, 7 Forman, Detroit, Mich.
Michigan Chemical Co., Bay City, Mich.
Michigan Carton Co., Battle Creek, Mich.
Michigan Cash Register Co., 951 Porter, Detroit, Mich.
Michigan Casket Co., 245 Rivard, Detroit, Mich.
Michigan Chair Co., piano benches, Grand Rapids, Mich.
Michigan City Lumber & Coal Co., masons' & bldrs.' matls., Michigan City, Ind.

MICHIGAN COIN LOCK COMPANY, 617 Traction Bldg., Indianapolis, Ind.
Pres.—C. N. VanCleave.
V. P.—J. R. McNutt.
Sec.-Treas.—F. R. Maisbary.
Branch Offices:
CAL.—Los Angeles—H. J. Cosbey, Mgr.
FLA.—Tampa—F. R. Maisbary, Mgr.
MICH.—Detroit—F. E. Turner, Mgr.
N. Y.—Brooklyn—Irv. Feinson, Mgr.

Michigan College of Mines, engng. schools & colleges, Houghton, Mich.
Michigan Copper & Brass Co., 1611 W. Jefferson Ave., Detroit, Mich.
Michigan Cornice & Slate Wks., 117 E. Fort St., Detroit, Mich.
Michigan Crown Fender Co., Ypsilanti, Mich.
Michigan Dredge Co., Bay City, Mich.
Michigan Electrochemical Co., blasting powder, chloride lime, caustic acid, etc., Menominee, Mich.
Michigan Elec. Welding Co., 514 Hart, Detroit, Mich.
Michigan Enameling Wks., Kalamazoo, Mich.
Michigan Engine Valve Co., 437 W. Columbia St., Detroit, Mich.
Michigan Felting Co., mattresses, Kalamazoo, Mich.
Michigan Furn. Co., Dept. H, Ann Arbor, Mich.
Michigan Glass Works, 481 Franklin, Detroit, Mich.
Michigan Grey Iron Castings Co., fndrs., Harbaugh & C, Detroit, Mich.
Michigan Gypsum Co., 1645 Grandville St., S. W., Grand Rapids, Mich.
Michigan Hardware Co., 100 Ellsworth St., Grand Rapids, Mich.
Michigan Hearse & Motor Co., 1500 Union av. S. E., Grand Rapids, Mich.
Michigan Hoop & Stave Co., Marinette, Wis.
Michigan Iron & Chemical Co., ethyl, alcohol, acetic acid, etc., 616 S. Michigan blvd., Chicago, Ill.
Michigan Ladder Co., Ypsilanti, Mich.

MICHIGAN LEATHER PACKING CO., INC. (Mfrs. of "Michigan" Leather Packings, built to individual specifications for hydraulic and pneumatic machinery), 618-620 St. Antoine St., Detroit, Mich.

Michigan Lubricator Co., 3601-51 Beaubien St., Detroit, Mich.
Michigan Lbr. Co., 929 E. St. Clair, Indianapolis, Ind.
Michigan Mach. Co., 85 Porter Ave., Detroit, Mich.
Michigan Machy. Mfg. Co., dies & drills, Ypsilanti, Mich.
Michigan Malleable Iron Co., 7740 Gould st., Detroit, Mich.
Michigan Mfg. & Lumber Co., facty. trucks, Holly, Mich.
Michigan Maple Block Co., Petoskey, Mich.
Michigan Metal Spinning Mfg. Co., 2130 E. Woodbridge Ave., Detroit, Mich.
Michigan Milling Co., flour, Ann Arbor, Mich.
Michigan Motor Garment Co., overalls, Greenville, Mich.
Michigan Motor Specialties Co., 44 Mt. Elliott Rd., Detroit, Mich.
Michigan Paper Co., Plainwell, Mich.
Michigan Paper Tube & Can Co., 5201 Loraine st., Detroit, Mich.
Michigan Optical Co., 625 Beacon, Detroit, Mich.
Michigan Paste & Mfg. Co., 2351 Fort, W., Detroit, Mich.
Michigan Pattern & Mach. Works, 5431 Jefferson av. E., Detroit, Mich.

MICHIGAN PIPE COMPANY, Bay City, Mich.
V. P.—H. B. Smith, Jr.
Sec. & Treas.—Eugene H. Smith.
Branch Offices:
ILL.—Chicago—624 S. Michigan Ave.
MASS.—Boston—1121 Oliver Bldg.
N. Y.—New York—432 Guaranty Trust Bldg.
O.—Cleveland—910 Ulmer Bldg.
OKLA.—Oklahoma City—320 W. 26th St.
PA.—Philadelphia—1228 Spruce St. Pittsburgh—323 Fulton Bldg.
TENN.—Chattanooga—James Bldg.

Michigan Plumbing Supply Co., 346 E. Jefferson St., Detroit, Mich.
Michigan Porcelain Insulator Co., Hastings, Mich.
Michigan Porcelain Cement Co., Chelsea, Mich.
Michigan Portland Cement Co., Chelsea, Mich.
Michigan Press Co., Ypsilanti, Mich.
Michigan Pressed Brick Co., 480 Lawton, Detroit, Mich.
Michigan Pressed Steel Co., 126 S. Artillery Ave., Detroit, Mich.
Michigan Quartz Silica Co., 333 Hartford St., Milwaukee, Wis.
Michigan Radio Corp., 21 Ottawa, Grand Rapids, Mich.
Michigan Refining & Preserving Co., Menominee, Mich.
Michigan Safety Furnace Pipe Co., 617 Fort, E., Detroit, Mich.
Michigan Salt Works, Marine City, Mich.
Michigan Sanitary Cloth Co., wiping cloths, Kalamazoo, Mich.
Michigan Saw Co., Saginaw, Mich.
Michigan Scrap Iron Co., Ironwood, Mich.
Michigan Screw Co., Lansing, Mich.
Michigan Seating Co., furniture, Dept. H, Jackson, Mich.
Michigan Smelting & Refining Co., 835 Superior St., Detroit, Mich.
Michigan Sprocket Chain Co., 7818 Jefferson st., Detroit, Mich.
Michigan State Agricultural College, engng. schools & colleges, Lansing, Mich.
Michigan Steel & Metal Co., 138 W. Larned Ave., Detroit, Mich.
Michigan Steel Casting Co., 1986 Guoin, Detroit, Mich.
Michigan Storage Battery Co., 2680 E., Detroit, Mich.
Michigan Stove Co., 1022 E. Jefferson Ave., Detroit, Mich.
Michigan Sugar Co., Saginaw, Mich.
Michigan Supply Co., Lansing, Mich.
Michigan Tanning & Extract Co., Petosky, Mich.

MICHIGAN TOOL CO., 147 Jos. Campau St., Detroit, Mich.

Michigan Tea Rusk Co., cereal foods, Holland, Mich.
Michigan Truck & Lumber Co., Holly, Mich.
Michigan Veneer Co., Alpena, Mich.
Michigan Welding Co., Jackson, Mich.
Michigan Washing Machine Co., Muskegon, Mich.

MICHIGAN WIRE CLOTH CO., 2100 Howard St., Detroit, Mich.
Pres. & Treas.—Hugh O'Connor.
V. P.—Frank H. Croul.
Secy.—C. E. Botsford.

Michigan Wire Fence Co., Adrian, Mich.
Michigan Wire Goods Co., Niles, Mich.
Michigan Wood Preserving Co., Century Bldg., Pittsburgh, Pa.
Michlovitz & Co., scrap iron, Harrisburg, Pa.
Mickelson, A. A., & Son, masons' & bldrs.' matls., Black Earth, Wis.
Mickelson, Carl P., masons' & bldrs.' matls., Mason, Mich.
Mickle, H. L., Lumber Co., 914 2d Nat. Bk. Bldg., Cincinnati, Ohio.
Mickle Lumber Co, Geo. T., 1010 Stock Exchange, Chicago.
Micro Machine Co., ice breakers, internal grinders, etc., Bettendorf, Iowa.
Mida's Trade Mark & Patent Bureau, H Ellsworth bldg., Chicago, Ill.
Mid-City Plumbing Supply Co., 1105 S. Western, Chicago, Ill.
Mid-Continent Equipment & Machinery Co., 401 Security Bldg., St. Louis, Mo.
Mid-Continental Clay Co., Peru, Kan.
Middle Creek Coal Co., Prestonburg, Ky.
Middle Georgia Fertilizer Co., Dublin, Ga.
Middle States Constr. Co., 524 Hudson, Columbus, Ohio.
Middle States Oil Co., 843 B. of L. E. bldg., Cleveland, Ohio.
Middle Tennessee Milling Co., flour, Tullahoma, Tenn.
Middle Valley Trap Rock & Mining Co., Middle Valley, N. J.
Middleburg Mills, tickings, Columbia, S. C.
Middleburg Stone Co., Elyria, Ohio.
Middlebury Marble Co., Brandon, Vt.
Middleby-Marshall Oven Co., 769 W. Adams St., Chicago.
Middleport Boiler Works, Middleport, O.
Middlesex Machine Co., Middletown, Conn.
Middletown Car Co., Middletown, Pa.
Middletown Firearms Co., Middletown, Conn.
Middletown Machine Co., The, Middletown, O.
Middle Valley Trap & Mining Co., Middle Valley, N. J.
Middleditch, Benj., buffing lathes, match plates, etc., 1504 Cadillac, Detroit, Mich.
Middlesex Aniline Co., Inc., copper & zinc cyanide, Lincoln, N. J.
Middlesex Machine Co., Lowell, Mass.
Middleton & Clark, masons' & bldrs.' matls., Highland Park, Ill.
Middleton, Howard W. See Middleton Nail Works (successors).
Middleton Nail Works, 911 Callowhill, Phila., Pa.
Middleton Union Warehouse Co., Middleton, Ga.
Mideke Supply Co., 100 E. Main st., Oklahoma City, Okla.
Midland Brass Works, 63 Jennings St., Ft. Worth, Tex.
Middletown Coal Co., stone producers, Middletown, Conn.
Middletown Iron, Metal & Coal Co., Middletown, Pa.
Middletown Milling Co., flour, Middletown, Va.
Midgeley Wire Co., whol. hdwe., 339 Main, Worcester, Mass.
Midget Ear Phone Co., 108 N. State St., Chicago. (Now Earometer Co.)
Midgley & Prentice, Inc., machy. dlrs., 30 Church, New York.
Midgley Planing Mill Co., Eugene, Ore.
Midland Barge Co., steel barges, Midland, Pa.
Midland Bridge Co., 504-10 Midland Bldg., Kansas City, Mo.

MIDLAND CHAIR & SEATING CO., (See S. Karpen & Bros.), Chicago.

Midland Chemical Co., chloroform, Midland, Mich.
Midland Chemical Division of the Eagle-Picher Lead Co., 208 S. La Salle St., Chicago.
Midland Company, The, South Milwaukee, Wis.
Midland Construction Co., 816 N. Spaulding Ave., Chicago.
Midland Crusher-Pulverizer Co., 37 W. Van Buren, Chicago, Ill.

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Midland Furn. Co., Dept. H, 15 Mer. Bnk. bldg., Evansville, Ind.
Midland Glass & Paint Co., see Pittsburgh Plate Glass Co. (successors).
Midland Glass & Paint Co., Omaha, Neb.
Midland Glue Co., Madison, Ind.
Midland Iron Wks., machsts., Billings, Mont.
Midland Linseed Products Co., Chamber of Commerce Bldg., Minneapolis, Minn.
Midland Lbr. Co., Tacoma, Wash.
Midland Mach. Co. (see Grimes Molding Mach. Co., successors).
Midland Meal Mfg. Co., Ottumwa, Ia.
Midland Paper Co., 652 W. Randolph St., Chicago.
Midland Pottery Co., Zanesville, O.
Midland Refining Co., Eldorado, Kans.
Midland Specialties Co., 536 W. 25th St., Chicago.
Midland Steel Products Co., (formerly Parish & Bingham Co. & Detroit Pressed Steel Co.), Cleveland, O.
Midland Supply Co., Davenport, Ia.
Midland Supply Co., oil well supplies, Dept. H, Pawhuska, Okla.
Midland Terra Cotta Co., 105 W. Monroe, Chicago, Ill.
Midmer, Reuben, & Son, organs, 222 127th, Brooklyn, N. Y.
Midstates Engineering Co., 140 S. Dearborn St., Chicago.
Mid States Gummed Paper Co., 2433 S. Robey St., Chicago.
Midstate Pipe & Supply Co., plbrs. & steam fitters' supplies, 316 O. Fresno, Calif.
Midvale Co., steel forgings, bars, etc., Nicetown, Philadelphia, Pa.
Midvale Mining & Mfg. Co., Central Nat'l Bk. Bldg., St. Louis, Mo.
Midvale Steel & Ordnance Co., Widener Bldg., Philadelphia, Pa. (See Bethlehem Steel Co.)
Midvalley Colliery, Wilburton, Pa.
Midway Milling Co., flour, Steeles Tavern, Va.
Midwest Book Bindery, Inc., 442-460 N. Wells St., Chicago.
Mid-West Box Co., paper, Kokomo, Ind.

MID-WEST BOX CO., 111 W. Washington St., Chicago.

MID-WEST CAR WORKS, 48th Place and S. Hoyne av., Chicago.
Pres.—Hugh Steele.

Midwest Casting Co., The, Middletown, O.
Mid-West Electric Co., Omaha, Neb.
Mid-West Electric Supply Co., 721 Superior Ave., Cleveland, O.
Midwest Engine Co., 19th & Martindale Sts., Indianapolis, Ind
Midwest Engineering & Equipment Co., ice machines, 617 Fulton, Chicago, Ill.
Midwest Factory Supply Co., Cor. Woodward Ave. & Grand Blvd., Detroit, Mich.
Midwest Forge & Steel Co., East St. Louis, Ill.
Mid-West Forging Co., 76 W. Monroe St., Chicago.
Mid-West Fuel Co., coal mine, Henderson, Ky.
Mid-West Locomotive Works, Spring Grove & Alabama avs., Cincinnati, Ohio.
Midwest Mfg. Co., machine tools, 1520 N. 13th, St. Louis, Mo.
Mid-West Metal Products Co., Muncie, Ind.
Mid-West Paper & Envelope Co. Marion, Ind.
Midwest Piston Ring Co., 1309 Pine, St. Louis, Mo.
Midwest Products Co., Milwaukee, Wis.
Midwest Radio Co., 802 Main st., Cincinnati, O.
Mid-West Refining Co., petroleum & its products, 1st Natl. Bk. Bldg., Denver, Colo.
Midwest Rubber Co., auto mats, 1657 Doan, Cleveland, O.
Midwest Steel & Supply Co., Inc., 28 W. 44th St., New York.
Midwest Tool & Engineering Co., The, Hamilton, O.
Miehle Printing Press & Mfg. Co., 14th and Robey Sts., Chicago.
Mier Carriage & Buggy Co., Ligonier, Ind.
Mietz, August, Corp., see Charter Gas Engine Co. (successors).
Mietz Corporation, August, (Now Reliance Oil Engine Corp.), New York.
Mifflin Chemical Corp., Delaware & Lasker Sts., Philadelphia, Pa.
Mifflin Hood Brick Co., P. B., Candler Bldg., Atlanta, Ga.
Mifflinburg Body Co., auto bodies, Mifflinburg, Pa.
Mihll & Allegretti, letter openers, Geneva, N. Y.
Miho Co., auto accessories, 717 Sycamore, Cincinnati, Ohio.
Mikesell & Co., canned goods, Traverse City, Mich.

MIKESELL BROTHERS CO., Asbestos Products, Wabash, Ind.
Pres.—H. S. Mikesell.
Secy. & Treas.—F. S. Matthews.
V. P. Production—E. S. Davis.
V. P. Sales—D. B. Mikesell.
Asst. Treas.—A. H. Loghry.
Gen. Sales Mgr.—Neal Mikesell.
Asst. Sales Mgr.—E. H. Pierce.
Asst. Sales Mgr.—F. Elizer.

"Milae" Products Co., 646 Laura, Huntington Park, Calif.
Milam, B. C., & Son, fishing reels, Frankfort, Ky.
Milan Independent, advtg. nov., 107 3d, Milan, Ill.
Milbourne, L. M., canned goods, Kingston, Md.
Milbradt Mfg. Co., 2410 N. 10th St., St. Louis, Mo.
Milbur, Heister & Co., architects, Union Sav. Bk. Bldg., Washington, D. C.

MILBURN COMPANY, THE ALEXANDER, 1416-1428 W. Baltimore St., Baltimore, Md.
Pres. & Treas.—A. F. Jenkins.
V. P.—H. R. Taylor.
Sec.—R. Jenkins.
Sales Mgr.—C. R. Pollard.
Distributors & Representatives:
ALA.—Birmingham—J. T. Sudduth, Jr., Brown Marx Bldg.
ARK.—Little Rock—Joe Lyons Machinery Co., 112 N. Louisiana St.
CAL.—Los Angeles—E. D. Bullard Company.
San Francisco—E. D. Bullard Company, 565 Howard, Douglas 6320.
COLO.—Denver—H. F. Wilson & Co., 17th & Blake Sts.
CONN.—Hartford—K. B. Noble Company, 249 Pearl St.
GA.—Atlanta—Standard Gas Products Co., Harris & Ivy Sts.
Walraven Company, 36 W. Alabama St.
ILL.—Chicago—Alexander Milburn Co., 218 S. Wabash Ave., Wabash 2020.
IA.—Davenport—Gierke-Robinson Co., 615 Kahl Bldg.
KANS.—Wichita—Phoenix General Stales Company.
KY.—Louisville—Branders Machinery & Supply Co., 331 W. Main St.
LA.—New Orleans—C. T. Patterson Company.
Woodward-Wight Company.
MASS.—Everett—New England Compressed Gas Company.
MICH.—Detroit—T. B. Rayl Co., 228 W. Congress St., Cherry 5000.
MINN.—Minneapolis—Mitchell Supply Co., 1318 Washington St.
MO.—Kansas City—English Tool & Supply Co., 410 W. Fifth St., Main 5575.
St. Louis—Reed Railway Supply Company, 113 N. 2nd St., Olive 4316.
MONT.—Billings—Billings Hardware Co.
NEBR.—Omaha—Interstate Machinery & Supply Company.
N. Y.—New York—Alexander Milburn Co., 100 E. 42nd St., Vanderbilt 6120.
O.—Cleveland—Dravo Equipment Co., 1603 St. Clair Ave.
Columbus—Siebert & Milburn Co., 141 N. Front St.
OKLA.—Tulsa—R. T. Courtney.
ORE.—Portland—Railway Equipment Co., 2nd & Stark Sts.
PA.—Philadelphia—E. P. Boyer, Bourse Bldg., Lombard 9300.
Pittsburgh—H. Kleinhans Co., Union Trust Bldg., Grant 4642.
TENN.—Memphis—Reichman-Crosby Co., 223 S. Front St.
TEXAS—Dallas—Huey & Philip Hardware Co.
Houston—R. B. Everett & Co.
UTAH—Salt Lake City—Salt Lake Hardware Co., 257 S. Main St.
VA.—Richmond—James McGraw Company.
WASH.—Seattle—Clyde Equipment Co., 542 First Ave.
WIS.—Milwaukee—Boehcke Machinery & Supply Co., 71 W. Water St.
Foreign:
CAN.—Montreal—Canadian Fairbanks Morse Co., Ltd.

Milbury Atlantic Mfg. Co., bathing suits, 114 5th av., New York.
Mildrum Jewel Co., The W. W., East Berlin, Conn.
Milden Packing Co, canned good, Sharps, Va.
Miles Bros., moving picture films, 1145 Mission, San Francisco, Calif.
Miles Bros. & Co., brushes, 1957 Pitkin av., Brooklyn, N. Y.
Miles Co., Jackson, Mich.
Miles, Franklin S., 205 Quarry St., Philadelphia, Pa.
Miles, Geo. W., chemists, 88 Broad, Boston, Mass.
Miles, Jas., & Sons Co., contractors, 393 Main, Worcester, Mass.
Miles Mfg. Co., concrete mixers, truck trailers, Jackson, Mich.
Miles Peach Bottom Slate Co., roofing slate mfrs., Delta, Pa.
Miles Piston Ring Sales Co., 2119 S. Michigan Ave., Chicago.
Miles Planting & Mfg. Co., sugar refineries, Burnside, La.
Miles Timber & Lbr. Co., Geo. W., Arcade Bldg., St. Louis, Mo.
Miles-Tighe Contr. Co., Easton, Pa.
Miley Soap Co., Providence, R. I.
Milford Canning Co., Milford, Ill.
Milford Iron Fdry., Grant St., Milford, Mass.
Milford Lbr. Co., Milford, Del.
Milford Machine & Tool Co., special machy., etc., H New Haven, Milford, Conn.
Milford Pink Granite Co., Milford, Mass.
Milford Pink Victoria White Granite Co., 405 Lexington av., New York.
Milhaupt Co., carriages, Appleton, Wis.
Milholland Co., J. & J. B., 714 5th Ave., Pittsburgh, Pa.
Milholland, Geo., brick, Franklin, La.

MILL & MINE SUPPLY CO., P. O. Box 432, Akron, O.
Mill & Mine Supply Co., 317 1st St., Seattle, Wash.
Mill Creek Coal Co., New Boston, Pa.
Mill Hall Brick Wks., Millhall, Pa.
Mill Power Supply Co., Charlotte, N. C.
Mill Remnants Co., 249 Front St., New York.
Mill-Rose Co., brushes and dusters, 2499 E. 79th, Cleveland, Ohio.
Mill Shoals Canning Co., Mill Sroals, Ill.
Mill Shoals Cooperage Co., Syndicate Trust Bldg., St. Louis, Mo.
Mill Specialties Co., mill & factory supplies, Westfield, Mass.
Mill Supply Co. of Erie, Erie, Pa.
Mill Supply Co., Greenville, S. C.
Millar & Co., Inc., G. W., 284 Lafayette St., New York.
Millar & Son Co., Chas. (Leadpipe, etc.), Utica, N. Y.
Millard, Geo. P., Co., scrap iron, 532 North, Rochester, N. Y.
Millard, H. E., stone producers, Annville, Pa.
Millard, Jas., & Son, mchsts. & fndrs., Kingston, N. Y.
Millboro Lbr. Co., Johnston, Pa.
Milbourne, L. M., canned goods, Kingston, Md.
Millbridge Packing Co., Millbridge, Me.
Millbrook Co., contractors, 481 Morris Park av., New York.
Millbrook Linen Wks., Inc., towels, Millbury, Mass.
Millbury Machine Co., Millbury, Mass.
Millbury Steel Fdry. Co., Millbury, Mass.
Milled Screw & Mach. Co., Sayre, Pa.
Milledgeville Brick Works, Milledgeville, Ga.
Milledgeville Oil Mills, Atlanta, Ga.
Millen, A., & Co., plate glass, 15 La Grange, Boston, Mass. (tr.).
Millen Fertilizer Co., Millen, Ga.
Millen Portland Cement Co., Jamesville, N. Y.
Miller & Bro., J. A., 427 N. Ashland Ave., Chicago.
Miller & Co., buffing & polishing wheels, 12 William, Newark, N. J.
Miller & Co., Edw., Meriden, Conn.
Miller & Cramer, fertilizer mfrs., Woodsboro, Md.
Miller & Crowningshield, bench milling machs., Greenfield, Mass.
Miller & Danielson, 2211 E. 38th, Los Angeles, Calif.
Miller & Devore Lumber Co., sash, door & blind, Meadville, Pa.
Miller & Doing, 83 Washington St., Brooklyn, N. Y.
Miller & Dunn, lumber mfrs., Cle Elum, Wash.
Miller & Gleason, lawn trimmers, Olean, N. Y.
Miller & Gleason, carriages, Newport News, Va.
Miller & Graham, enamels, paints, etc., 21 S. Gay, Baltimore, Md.
Miller & Hart, meat packers, Union Stock Yards, Chicago, Ill.
Miller & Herlocker, machsts., Los Angeles, Calif.
Miller & Hoy Mfg. Co., galvanized steel tanks, Kendallville, Ind.
Miller & Lux, Inc., Merchants Exch. Bldg., San Francisco, Cal.
Miller & McLean, 120 Liberty St., New York.
Miller & Morrow, machsts., Sunnyside, Wash.
Miller & Parsons, feed & flour mills, Corry, Pa.
Miller & Piehl, lumber & masons' & bldrs.' matls., Seymour, Wis.
Miller & Rellium Co., harrows (toothless), College Corner, Ohio.
Miller & Smith, carriages, Sidney, Ohio.
Miller & Stein, wholesale hardware, 1309 Main, Wheeling, W. Va.
Miller & Sons, C., Clermont, Ia.

MILLER & VAN WINKLE, INC., 20 Bridge St., Brooklyn, N. Y.
Miller & Vidce Lbr. Co., Beaumont, Tex.
Miller, A. G., cooking apparatus, coffee urns, etc., 103 Centre, New York.
Miller, A. J., Four Point Hay Fork Co., Albion, Ill.
Miller, A. J., & Co., auto. metal bodies, Bellefontaine, Ohio.
Miller, A. L., Co., sash, door & blind, Conshohoeken, Pa.
Miller, A. N., Saw Mill Co., ties, poles & posts, Seattle, Wash.

MILLER AGENCY CO., Madison Ave. at Twenty-second St., Toledo, O.
Miller, Alex., stone Chester, Pa.
Miller Anchor Co., Norwalk, Ohio.
Miller Auto Bed Co., 1102 E 12th, Oakland, Calif.
Miller, Bonner & Co., soap, St. Louis, Mo.
Miller-Boyer Co., contr., 226H Pratt Blk., Kalamazoo, Mich.
Miller Box Mfg. Co., sashes, 201 N. Av. 18, Los Angeles, Calif.
Miller-Brent Lumber Co., Poley, Ala.
Miller Broom Co., La Crosse, Wis.
Miller Bros. & Co., metal polish, 894 Broadway, New York.
Miller Bros., auto. bodies, Amesbury, Mass.
Miller Bros., cornices & skylights, Milwaukee, Wis.
Miller Bros. Cutlery Co., The, Meriden, Conn.
Miller Bros. Hardware Co., Richmond, Ind.
Miller Bros., Lebanon, Pa.
Miller Bros. Lumber Co., Bellingham, Wash.
Miller-Bryant-Pierce Co., 225-235 River St., Aurora, Ill.
Miller, Butterworth Co., contrs., Little Rock, Ark.
Miller, C., & Son, cornices, 1115 Broadway, Fort Wayne, Ind.
Miller, C. Brownlow, machsts., 1718 9th S. W., Canton, Ohio.
Miller, C. D., furniture, Dept. H, Hagerstown, Md.
Miller, C. F., masons' & bldrs.' matls., Bedford, Ohio.
Miller, C. H., Hardware Co., Huntington, Pa.
Miller, C. W., & Co., meat packers, Newark, Ohio.
Miller Cabinet Co., Rochester, N. Y.
Miller-Carter Merc. Co., hdwe., Dexter, Mo.
Miller, Chas. E., (Anderson Rubber Works), Anderson, Ind.
Miller, Chas. E., Brick Mfg. Co., York, Pa.
Miller, Chas. E., spark plugs, auto horns, 97 Reade, New York.
Miller, Chas. E., 231 W. 54th St., New York.
Miller Chemical Engine Co., Chicago (now Miller-Peerless Mfg. Co.).
Miller Chemical Engine Co., machsts. & fndrs., 1411 W. 9th, Cleveland, O.
Miller City Tile Co., Miller City, Ohio.
Miller, Clifford L., 280 Madison Ave., New York.
Miller Coal Co., New Stock Exchange Bldg., Philadelphia, Pa.
Miller Co., Chas. A., Sturgis, Mich.
Miller Co., E. M., Quincy, Ill.
Miller Co., Inc., The Frank, 29-33 Thirty-fifth St., Brooklyn, N. Y.
Miller Co., H. C., 342 Broadway, Milwaukee, Wis.
Miller Co., The James S., McCormick Bldg., Chicago.
Miller Co., J. Walter, 411-15 E. Chestnut St., Lancaster, Pa.
Miller Co., Wm., 228 Aborn St., Providence, R. I.
Miller Constr. Co., Empire Bldg., Pittsburgh, Pa.
Miller Construction Co., Punxsutawney, Pa.
Miller, Cooper Ink Co., printing inks, 3rd & Wyandotte, Kansas City, Mo.
Miller Cornice & Rfg. Co., Edw., Tacoma, Wash.
Miller, D. C., stone producers, Newburgh, N. Y.
Miller, D. H., & Co., canned goods, Moneta, Va.
Miller, Dan, Buggy Co., carriages, Alton, Ill.
Miller, Du Brul & Peters Mfg. Co., cigar machy., Norwood, Cincinnati, Ohio.
Miller, E. H., cornices, Easton, Pa.
Miller, E. L., fertilizer mfrs., Washington, C. H., Ohio.
Miller, E. S., barrows, Stanwood, Ohio.
Miller, Earl F., Inc., contrs., Appleton, Wis.
Miller Engine Works, racing car engines, 2652 Long Beach av., Los Angeles, Calif.
Miller, Enoch, sash, door & blind, Mifflinburg, Pa.
Miller Equipt. Co., machy. dlrs. & mill supplies, 212 H E Washington, Syracuse, N. Y.
Miller, F. H., contr., Louisville, Ky.
Miller, F. J., Broods Bldg., Scranton, Pa.
Miller Fertilizing Co., Md. Life Bldg., Baltimore, Md.
Miller Fibre Products Co., cans, 620 Orleans, Chicago, Ill.
Miller Fdry. Co., Uniontown, Pa.
Miller Fdry. & Specialty Co., North Tonawanda, N. Y.
Miller, Frank, Lbr. Co., 156 E. Washington, Bridgeport, Conn.
Miller, Frank P., fertilizer mfrs., Springtown, Pa.
Miller, Frank P., Paper Co., box board mfrs., East Downington, Pa.
Miller, Fred R., Blank Book Co., pads, Williamsport, Pa.
Miller Furnace Co., Grand Rapids, Mich.
Miller, G. L., cooperage stock, Java, N. Y.
Miller, G. W., Shingle Co., lumber, Acme, Wash.
Miller, Geo. H., masons' & bldrs.' matls., Grand Rapids, Ohio.
Miller, Geo. H., motor boat bldrs., Patchogue, N. Y.
Miller Grant Broom Corn Co., 540 N. Santa Fe, Wichita, Kan.
Miller, H., & Sons Co., contractors, May Bldg., Pittsburgh, Pa.
Miller, H. A., & Co., lumber, Williamsport, Pa.
Miller, H. C., fertilizer mfr., Lula, Ga.
Miller, H. C., machsts., Waterford, N. Y.
Miller, H. G., & Co., Inc., refrg. engrs., E. 2115 Riverside av., Spokane, Wash.
Miller, H. H., Industries Corp., piston rings, Louisville rd., Canton, Ohio.
Miller, H. Halsey, 45 Pearl, Buffalo, N. Y.
Miller, H. N., brick, Pleasantville, Ohio.
Miller, H. T., 1130 Parker, Detroit, Mich.
Miller Hdwe. Co., whol., Olean, N. Y.
Miller, Harry A., Mfg. Co., engine pistons & carburetors, 2652 Long Beach av., Los Angeles, Calif.

MILLER HEATING CO., F. W., 314 McCormick Bldg., Chicago.
Pres.—F. W. Miller.
V. P.—C. D. Bowers.
Secy.—C. Robbins.

Miller, Henry M., 50 N. Second St., Philadelphia, Pa.

Miller, Hy. F., & Sons Piano Co., 395 Boylston, Boston, Mass.
Miller, Hy. R., cornices, Easton, Pa.
Miller Improved Gas Engine Co., Springfield, O.
Miller, Isaac J., cornices, Cedar Park av., Philadelphia, Pa.
Miller, J., cornices, 740 Green, Allentown, Pa.
Miller, J. A., brick, Bascom, Ohio.
Miller, J. B., Keyless Lock Co., Kent, Ohio.
Miller, J. D. & J. L., flour mills, Millersburg, Ohio.
Miller, J. E., & Co., carriages, Columbus, Ga.
Miller, J. F., & Bro., common brick, Bellingham, Wash.
Miller, J. H., contractor & sash, door & blind mfr., North Vernon, Ind.
Miller, J. Henry, Inc., contractor, cor. Eutaw & Franklin, Baltimore, Md.
Miller, J. L., granite, S. Quincy, Quincy, Mass.
Miller, J. M., flour mills, Ronceverte, W. Va.
Miller J. M., Co., advtg. spec., 764 8th, Milwaukee, Wis.
Miller, J. W., Co., incubators & brooders, Rockford, Ill.
Miller, Jacob, carriages, Palmyra, Pa.
Miller, Jas. G., Lumber Co., 54 E. 50th, Chicago, Ill.
Miller, Jas. S., powder mfrs., Summeytown, Pa.
Miller, Jesse E., machsts. & fndrs., North Manchester, Ind.
Miller, John K., Co., exhaust & blow piping, 1800 9th, Seattle, Wash.
Miller, Jos., mill & fctry. supplies, 374 Atlantic av., Boston, Mass.
Miller, Jos., & Sons, lbr. & masons' & bldrs.' matls., Peoria, Ill.
Miller, Julius W., machsts., So. Norwalk, Conn.
Miller's, J. F., Sons, carriages, Vincennes, Ind.
Miller-Kemper Co., Richmond, Ind.
Miller, L. J., agricultural implements, 1421 State av., Cincinnati, Ohio.
Miller-Lampert Co., masons' & bldrs.' matls., Iowa Falls, Ia.
Miller Light & Fixture Co., 2841 Gratiot av., Detroit, Mich.
Miller Lightning Rod Co., 3d & Geyer av., St. Louis, Mo.
Miller Lime & Cement Co., Alton, Ill.
Miller-Link Lumber Co., Orange, Tex.
Miller Lithograph Co., 458 Brannea, San Francisco, Calif.
Miller Lock Co., The, 4530 Tacony St., Philadelphia, Pa.
Miller, Louis E., machsts. & fndrs., Houston, Tex.
Miller Lumber Co., Marianna, Ark.
Miller Lumber Co., H. J., L. C. Smith Bldg., Seattle, Wash.
Miller Lumber Co., T. A. (Not Inc.), Aurora, Mo.
Miller Lbr. Co., cash, door & blind mfrs., Appleton, Wis.
Miller, Lyman M. (Est. of), varnish, Chelsea, Mass.
Miller Mach. & Mould Works, Columbus, Ohio.
Miller Machinery Co., J. S., 3 and 5 Wood St., Pittsburgh, Pa.
Miller Mfg. Co., A. W., Riverside, Calif.
Miller Mfg. Co., E. L., 22 W. 3rd St., Kansas City, Mo.
Miller Mfg. Co., cotton sheetings, Taylorsville, N. C.
Miller Mfg. Co., handles, Hicksville, O.
Miller Mfg. Co., overalls, Dallas, Tex.
Miller Mfg. Co., portable bldgs. & garages., 8000H Alabama av., St. Louis, Mo.
Miller Mfg. Co., sash, door & blind mfrs., Richmond, Va.
Miller Mfg. Co., spark plugs, Peekskill N. Y.
Miller Mfg. Co., washing machs., Meyersdale, Pa.
Miller, Mark P., Milling Co., flour, Moscow, Idaho.
Miller, M. H., & Sons, Mill Co., lbr., Van Buren, Wash.
Miller, N. C., & Son, hay loaders, Dodgeville, Wis.
Miller, N. H., canned goods, Pleasantville, Ohio.
Miller, Nathan, & Sons, Ltd., steam fitters' supps., Fall River, Mass.
Miller, O. A., Slate Co., Slatington, Pa.
Miller Organ & Piano Co., Lebanon, Pa.
Miller, Orville J., machsts. & fndrs., Bergen, N. Y.
Miller-Owen Electric Co., Lexington & Thomas Sts., Pittsburgh, Pa.
Miller Paint Co., 172 1st, Portland, Ore.
Miller-Peerless Mfg. Co., fire extinguishers, 325 N. Curtis St., Chicago.
Miller Petroleum Co, Kansas City, Mo.
Miller, R. N., machsts. & fndrs., Liberty, Pa.
Miller Range & Furnace Co., Wm., 7th & Broadway, Cincinnati, O.
Miller-Reed Co., contractors, 103 Park av., New York.
Miller, Reese, Hutchinson, Inc. (Air Springs), 233 Broadway, New York.
Miller Rubber Co. of N. Y., The, Akron, O.
Miller, S. R., broom corn, Dept. H, Wichita, Kan.
Miller, S. W., Piano Co., Sheboygan, Wis.
Miller Safe Co., Wilkens Ave. & Catherine St., Baltimore, Md.
Miller Saw Trimmer Co., Point Bldg., Pittsburgh, Pa.
Miller-Seldon Electric Co., 1259 W. Park St., Detroit, Mich.
Miller-Smithe Electric Co., Youngstown, O.
Miller Supply Co., 742 3d av., Huntington, W. Va.
Miller Supply Co., Inc., A. P. (Refrigtg.), 441 W. 16th St., New York.
Miller's Sons, A. B., Stonington, Conn.
Miller's Sons Co., A. D., Columbus & Preble Sts., Pittsburgh, Pa.
Miller's Sons, H. J., Hale St., Bridgewater, Mass.
Miller, T. B., Co., masons' & bldrs.' matls., Summit, N. J.
Miller, T. G., & Sons, confetti, Ithaca, N. Y.
Miller, T. J., lbr., Orange Grove, Miss.
Miller, T. M., Co., coffins, caskets, etc., 614 Wyoming av., Scranton, Pa.
Miller, T. R., Mill Co., lbr., Brewton, Ala.
Miller, T. T., Hardware Co., Easton, Pa.
Miller, Thos. C., machy., dlrs., 78 Bible House, New York.
Miller, Thomas D., canned goods, Havre de Grace, Md.
Miller, Thos. S., machsts. & fndrs., Andes, N. Y.
Miller, Thompkins & Co., paper bags, 16 Desbrosses, New York.
Miller Train Control Corp., Danville, Ill.
Miller Treeing Machine Co., O. A., Brockton, Mass.
Miller Trolley Shoe Co., Boston 21, Mass.
Miller, W. B., & Son, wholesale hardware, contractors & machinists' tools & mill factory supplies, Springfield, Ill.
Miller, W. E., phosphorum copper, 17 State, New York.
Miller, W. F., mill & factory supplies, Barberton, Ohio.
Miller, W. H., cornices & skylights, Galveston, Tex.
Miller, W. H., machst. & fndr., Bridgewater, Va.
Miller, W. H., & Son, flour mills, Warm Springs, Va.
Miller, W. H., & Sons, masons' & bldrs.' matls., Madison, Wis.
Miller, W. L., & Co., contrs., 77 Summer, Boston, Mass.
Miller Waste Manufacturing Co., Inc., N. E. Cor. Snyder Ave. and Swanson St., Philadelphia, Pa.
Miller Wagon Co., Edina, Mo.
Miller, Warren, & Sons, leather, Johnstown, N. Y.
Miller-Wells Lumber Co., The, 513 Belmont Bldg., Cleveland, O.
Miller, Wm., willow ware mfrs., Liverpool, N. Y.
Miller, Wm. A., Machine & Elevator Mfg. Co., 920 N. Main, St. Louis, Mo.
Miller, Wm. L., dock bldrs., Charlestown, Boston, Mass.
Miller, Wm. P., Co., lubricating oils, 2316 S. Wabash av., Chicago, Ill.
Miller, Wm. P., Co., oils, machsts. & fndrs., 250 Greene, Brooklyn, N. Y.
Miller, Wm. W., machst., Shillington, Pa.
Miller-Wilson Lbr. Co., Mineral, Wash.
Miller Wire Spring Co. (now Bridgeport Chain Co., Bridgeport, Conn.)
Millers Falls Co., Millers Falls, Mass.
Millers Falls Paper Co., Millers Falls, Mass.
Millers Milling Co., flour, Enid, Okla.
Millersburg Fifth Wheel Co., Millersburg, Pa.
Millersburg Fdry. & Machine Works, Millersburg, Ohio.
Millersburg Reamer & Tool Co., Inc., Millersburg, Pa.
Millford Mfg. Co., boards & brushes, Mansfield, Ohio.
Millgard, D., & Co., marble interior work, Colfax, Wash.
Millhiser Bag Co., Richmond, Va.
Millholen, B. D., mattresses, Cedar Rapids, Ia.
Millholland Machine Co., Indianapolis, Ind.
Millholland Sales & Engineering Co., 1115 E. 35th, Indianapolis, Ind.
Millhouse Bros. & Co., hardware, wholesale, Galena, Ill.
Milligan & Higgins Glue Co., 222 Front St., New York.
Milligan Hardware & Supply Co., East Liverpool, O.
Milligan, Madison L., fndr., New Albany, Ind.
Millikan, Lynn B., Inc., contrs., 501 N. Delaware, Indianapolis, Ind.
Milliken & Co., J. T., 317 Cedar St., St. Louis, Mo.
Milliken, B. F., & Son, tin plate, etc., Eastport, Me.
Milliken Brothers Mfg. Co., Inc. (Iron & Steel Constr.), 233 Broadway, New York.
Milliken, David L., 592 Central Ave., East Orange, N. J.
Milliken-Kellam Co., screens, Newton, N. J.
Milliken, L. W., & Son, mill facty. supplies, Franklin, Mass.
Milliken Machine Co., West Newton, Mass.
Milliman, G. H., & Son, toys, North Tonawanda, N. Y.
Millman, L. N., 30 2d, Troy, N. Y.
Millington & Bradshaw, 69 N. J. R. R. Ave., Newark, N. J.
Millinocket Fndry. & Mach. Co., Millinocket, Me.
Millner, Frank, scrap iron, Trenton, N. J.
Mills & Co., H. W., Paterson, N. J.
Mills & Co., granite, Montpelier, Vt.
Mills & Lupton Supply Co., 1146 Market St., Chattanooga, Tenn.
Mills & McClintock, steam fitters' supplies, Haverhill, Mass.
Mills Belt Co., 164 Fremont St., Worcester, Mass.
Mills Bros., Springfield, O.
Mills Brothers, leather, Gloversville, N. Y.

MILLS CO., THE, 5322 St. Claire av., Cleveland, O.

Mills, E. C., Leather Co., 97 Spruce, Boston, Mass.
Mills-Ellsworth Co., Keokuk, Ia.
Mills, Elmer D., stone prod., Far Rockaway, N. Y.
Mills, Esmond, Esmond, R. I.
Mills, Eugene D., brick, 216 Tower av., Hartford, Conn.
Mills, Geo. A., Woodworking Co., sashes, doors & blinds, Morristown, N. J.
Mills, H. W., & Co., whol. hdwe., mill, facty. & steam fitters supplies, 218 Washington pl., Passaic, N. J.
Mills, Herbert L., mill & facty. supplies, 336 Main, New Britain, Conn.
Mills Iron Wks., 927 N. Main, Los Angeles, Cal.
Mills Iron Works, Inc., drilling tools, 929 N. Main, Los Angeles, Calif.
Mills, L. H., Co., steam fitters' supplies, 32 Mdl., Bridgeport, Conn.
Mills, Lyman D., Co., steam fitters' supplies, Middleton, Conn.
Mills, Machine Co., Lawrence, Mass. & Vanburen, Ind.
Mills Mfg. Co., savers (gasoline fuel), Sabina, Ohio.
Mills Mfg. Co., H. E., 332 S. West St., Syracuse, N.Y.
Mills, N. Lumber & Mfg. Co., sash, door & blind, St. Clair, Mich.
Mills Novelty Co., 221 Green St., Chicago.
Mills Oil Co., C. E., 338 S. West St., Syracuse, N. Y.
Mills, R. C., advtg. nov. & spec., 525 Market, San Fran., Calif.
Mills, Thos. & Bro., bakers & confec. machy., Thompson & 8th, Phila., Pa.
Mills, W. A., Brass Co., Port Chester, N. Y.
Millsap & Dickey, lbr., White Salmon, Wash.
Milltown Mfg. Co., chemicals, Milltown, N. J.
Millville Bottle Wks., glass, Millville, N. J.
Millville Mfg. Co., cotton sheetings, 514 Walnut, Phila., Pa.
Millville Mfg. Co., Millville, N. J.
Millville Pulp & Products Co., Millville, N. J.
Milmine, H. B., & Co., machsts., Toledo, Ohio.
Milne & Chalmers, granite, S. Quincy, Quincy, Mass.
Milne & Co., A. (Iron & Steel), 745 Washington, New York, N. Y.
Milne & Hector, granite, S. Quincy, Quincy, Mass.
Milne, Alex, Granite Co., Barre, Vt.
Milne Lumber Co., Inc., A. N., Grand Central Terminal, New York.
Milne Mfg. Co., Monmouth, Ill.
Milne, Wm., Granite Co., Barre, Vt.
Milner Mfg. Co., machsts., Gerard, Pa.
Milnor Electric Co., 129 Government Sq., Cincinnati, O.
Milo Ribbon & Carbon Corp., Penn Yan, N. Y.
Milone Constr. Co., 508 Sandford av., Newark, N. J.
Milone Constr. Co., 800 Broad, Newark, N. J.
Milstead Mfg. Co., cotton duck & canvas, Milstead, Ga.
Miltenberg, Emil, ivory imprtrs., 563 B'way, New York.
Milton & Son, S. G., Franklin, Pa.
Milton Boat Wks., dry docks, Rye, N. Y.
Milton Brick Co., Milton, Pa.
Milton Brick Co., New York.
Milton Chemical Co., dustless floor mops & dustless dust cloths, 156 Sixth, Cambridge, Mass.
Milton Cork Co., 42 Wilson, Brooklyn, N. Y.
Milton Fertilizer Co., Milton, Del.
Milton Leather Board Co., Milton, N. H.
Milton Mfg. Co., carriages, Milton, Ind.
Milton Mfg. Company, The, Milton, Pa.
Milton Mica Co., Inc., The, P. O. Box 1421, Richmond, Va.
Milton Mill Co., flour, Milton, N. C.
Milton Piano Co., 772 12th av., New York.
Milwaukee Advertising Novelty Co., 221 Grand Ave., Milwuakee, Wis.
Milwaukee Air Power Pump Co., water supply systems, 10 Keife av., Milwaukee, Wis.
Milwaukee Aluminum & Brass Foundry, 295-97 Reed St., Milwaukee, Wis.
Milwaukee Artistic Metal Ceiling Co., 36th & Burnham Sts., Milwaukee, Wis.
Milwaukee Auto Specialty Co., 711 Chestnut St., Milwaukee, Wis.
Milwaukee Bag Co., 206-20 S. Water St., Milwaukee, Wis.
Milwaukee Bedding Co., 256-8 S. Water St., Milwaukee, Wis.
Milwaukee Boiler Mfg. Co., 35th & National Sts., Milwaukee, Wis.
Milwaukee Brass Mfg. Co., 251 Lapham St., Milwaukee, Wis.
Milwaukee Bridge Co., 1400-34th St., Milwaukee, Wis.
Milwaukee Bronze Casting Co., 119 Clinton St., Milwaukee, Wis.

MILWAUKEE BRUSH MFG. CO., THE, 777-790 30th St., Milwaukee, Wis.
Pres.—E. F. Streich.
V. P.—I. L. G. Cornell.
Secy. & Treas.—E. W. Hoffmann.
Chicago—413 So. Hermitage Ave.
Los Angeles, Cal.—1434 Highland Ave., C. A. Bergh.
New York—110 W. 34th St.

Milwaukee Building Co., Wright & Callender Bldg., Los Angeles, Calif.
Milwaukee Bldg. Supply Co., masons' & bldrs.' matls., 68 Wisconsin, Milwaukee, Wis.
Milwaukee Cement Co., 283 E. Water St., Milwaukee, Wis.
Milwaukee Chair Co., 3022 Center St., Milwaukee, Wis.
Milwaukee Cock Grinding Co., 818 Winnebago St., Milwaukee, Wis.
Milwaukee Casket Co., 54 15th, Milwaukee, Wis.
Milwaukee Coke & Gas Co., coke mfrs., Carrolton, Wis.
Milwaukee Concrete Mixer Co., 955-965-30th St., Milwaukee, Wis.
Milwaukee Corrugating Company, 36th Ave. and Burnham St., Milwaukee, Wis.
Milwaukee Counter Co., 246 Pearson, Milwaukee, Wis.
Milwaukee Die & Tool Co., 136 Reed St., Milwaukee, Wis.
Milwaukee Die Casting Co., 297 4th St., Milwaukee, Wis.
Milwaukee Dry Dock Co., Foot of Washington St., Milwaukee, Wis.
Milwaukee Dustless Brush Co., 22d & Sycamore St., Milwaukee, Wis.

MILWAUKEE ELECTRIC CRANE & MFG. CO., Inc., 5815-5921 Greenfield Ave., Milwaukee, Wis.
Pres.—M. A. Beck.
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Chicago—1417 Lytton Bldg., F. J. Page.
New York—50 Church St., J. Parker.
Pittsburgh, Pa.—2201 Farmers Bank Bldg., B. B. Evans.
Portland, Ore.—R. K. Morse.

Milwaukee Electric Railway & Light Co., 217 Seymour St., Milwaukee, Wis.
Milwaukee Falls Lime Co., Milwaukee, Wis.
Milwaukee Flush Valve Co., 111 Reservoir, Milwaukee, Wis.
Milwaukee Forge & Machine Co., 340 Oklahoma Ave., Milwaukee, Wis.
Milwaukee Furn. Co., 832H Mission, San Francisco, Calif.
Milwaukee Gas Light Co., 182 Wisconsin, Milwaukee, Wis.
Milwaukee Gas Specialty Co., 2017 Clybourn St., Milwaukee, Wis.
Milwaukee Gear Co., 1224 3rd Ave., Milwaukee, Wis.
Milwaukee General Construction Co., 857 8th av., Milwaukee, Wis.
Milwaukee Gummed Label & Seal Co., labels (gummed & plain), 297 7th, Milwaukee, Wis.
Milwaukee Hay Tool Co., Layton Park, Milwaukee, Wis.
Milwaukee Label & Seal Co., 297-299 Seventh St., Milwaukee, Wis.
Milwaukee Lace Paper Co., cups, dollies, etc., 052 Lee av., Milwaukee, Wis.
Milwaukee Land Co., lbr., St. Joe, Idaho.
Milwaukee Leather Belting Co., 146 W. Water St., Milwaukee, Wis.

MILWAUKEE LOCOMOTIVE MFG. CO., Foot of Belleville Place, Milwaukee, Wis.

Milwaukee Lbr. Co., St. Maries, Idaho.
Milwaukee Malleable & Grey Iron Works, Layton Park, Milwaukee, Wis.

MILWAUKEE METAL WORKING CO., 386 Clinton St., Milwaukee, Wis.

Milwaukee Mirror, Art & Glass Wks., 124-126 W. Water St., Milwaukee, Wis.
Milwaukee Motor Products, luggage carriers & spark timers, 760 30th, Milwaukee, Wis.
Milwaukee Motor Sales Co., 370 Grove, Milwaukee, Wis.
Milwaukee Ornamental Plastering Co., 530 Galena St., Milwaukee, Wis.
Milwaukee Ornamental Carving Co., 530 Galena, Milwaukee, Wis.
Milwaukee Paper Box Co., 712 So. Pierce, Milwaukee, Wis.
Milwaukee Parlor Frame Co., furn., Dept. H., Milwaukee, Wis.
Milwaukee Pattern & Mfg. Co., 1195-99 30th St., Milwaukee, Wis.
Milwaukee Piano Mfg. Co., 270 W. Water, Milwaukee, Wis.
Milwaukee Press & Machine Co., 339 1st Ave., Milwaukee, Wis.

MILWAUKEE RELIANCE BOILER WORKS, Hadley & 32nd Sts., Milwaukee, Wis.

Milwaukee River Canning Co., Thiensville, Wis.
Milwaukee Rolling Mill Co., 43rd & Grant Sts., Milwaukee, Wis.
Milwaukee Sand & Gravel Co., 779 N. Water, Milwaukee, Wis.
Milwaukee Scale & Supply Co., 102 Syracuse St., Milwaukee, Wis.
Milwaukee Separator Mfg. Co., 247-253 Madison St., Milwaukee, Wis.
Milwaukee Shaper Co., 1029-31 Cold Spring Ave., Milwaukee, Wis.
Milwaukee Soap Co., 379 4th av., Milwaukee, Wis.

MILWAUKEE STAMPING CO., West Allis, Milwaukee, Wis.

Milwaukee Steam Appliance Co., West Allis, Wis.
Milwaukee Steel Foundry Co., 111 S. Water St., Milwaukee, Wis.
Milwaukee Structural Steel Co., 19tf & St. Paul av., Milwaukee, Wis.
Milwaukee Tack Co., 27th Ave. & Wahl Sts., Milwaukee, Wis.
Milwaukee Tank Wks., Fratney & Becker Sts., Milwaukee, Wis.
Milwaukee Tanning & Clothing Co., 326 Florida St., Milwaukee, Wis.
Milwaukee Talking Mach. Mfg. Co., 24 E. Water, Milwaukee, Wis.
Milwaukee Tallow & Grease Co., Vogels' Island, Milwaukee, Wis.
Milwaukee Tool & Forge Co., 120 Becker St., Milwaukee, Wis.

Milwaukee Valve Co., 139 Burrell St., Milwauukee, Wis.
Milwaukee Vault & Elec. Cabinet Box Co., 521 Market, Milwaukee, Wis.
Milwaukee Wadding & Comfort Mills, mattresses, 2322 Clybourn, Milwaukee, Wis.
Milwaukee Woven Wire Works, The, 259 Lake st., Milwaukee, Wis.
Milwood White Sand Co., Jackson, O.
Mimbres Valley Growers' & Canners' Assn., canned goods, Hondale, N. Mex.
Mims Pump Co., 444 N. Madison, Stockton, Calif.
Minam Lbr. Co., Minam, Ore.
Minard Run Chemical Co., Degolis, Pa.
Minard Run Oil Co., Bradford, Pa.
Minch, John E., fertilizer mfrs., Bridgeton, N. J.
Minckler, P. K., cornices & skylights, Seattle, Wash.
Mincor Trading Corp., 149 Broadway, New York.
Minden Cotton Oil & Ice Co., Minden, La.
Minden Lumber Co., Minden, La.
Mindlin & Roseman, 105 E. 29th St., New York.
Mine & Contractors Hoisting Engine Co., Bangor, Pa.
Mine & Mill Supply Co., Mulberry, Fla.
Mine & Mill Supply Co., Orlando, Fla.
Mine & Smelter Supply Co., 42 B'way, New York & Mills Bldg., San Francisco, Calif.
Mine Safety Appliance Co., Chamber of Commerce Bldg., Pittsburgh, Pa.
Mineola Mill Co., lumber, Mineola, Ga.
Mineola Naval Stores Co., Mineola, Ga.
Miner & Frees Lumber Co., Ridgeway, Mo.
Miner & Peck Mfg. Co., Derby, Conn.
Miner Bros. Lbr., Carter, Wis.

MINER BUILDING CO., EDWARD F., general contrs., 25 Foster, Worcester, Mass.

MINER, INC., W. H., 667 Rookery Bldg., Chicago.
Chicago—W. A. Berger, A. E. Biddle, R. W. Boos, R. W. Ibenteidt, Bradley S. Johnson, Geo. A. Johnson, G. Q. Lewis, W. H. Miner, J. R. Mitchell, W. E. Robertson, H. F. Schwartzenberg, Keith Williams, A. P. Withall, J. H. Link.
Mexico City, Mex.—Manuel J. Mendez.

Miner Saw Manufacturing Co., J. H., Meridian, Miss.
Miner, Stanley H., ties, poles, posts & lbr., mfrs., etc., 17 Battery pl., New York.
Miner-Edgar Co., wood alcohol, chemicals, clays, etc., 110 William, New York.
Mineral Lake Lumber Co., Tacoma, Wash.
Mineral Milling Co., flour, Mineral, Va.
Mineral Mining Co., Milwaukee, Wis.
Mineral Point Zinc Co., 140 S. Dearborn St., Chicago.
Mineral Products Co., filtering materials, H. W. Hellman Bldg., Los Angeles, Calif.
Mineral Product Mfg. Co., ores, tungsten, tungstic acid, etc., Equitable Bldg., Wilmington, Del.
Mineral Products Co., tanks, refrigerator linings & laundry tubs, Rhinelander, Wis.
Mineral Products, Inc., talc, 836 Ducommun, Los Angeles, Calif.
Mineral Refining & Chemical Corp., 27 Pearl St., New York.
Mineral Supply Co., 122 S. Michigan Ave., Chicago.

MINERALLAC ELECTRIC CO., 1045 Washington Blvd. Chicago.
Pres.—Louis A. Ferguson.
V. P.—Louis A. Ferguson, Jr.; Arthur Ferguson.
Sec.—H. E. Wing.
Mgr.—A. L. Johnson.

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Minneapolis, Minn.—Metropolitan Life Bldg. White & Converse.
New York—30 Church St., W. J. McIlvaine.
Philadelphia, Pa.—Guaranty Industrial Bldg., P. T. Bradley.
St. Louis, Mo.—1214 Olive St., G. W. Snarr.
San Francisco, Cal.—202 Russ Bldg., Special Service Sales Co.
Seattle, Wash.—108 Prefontaine Pl., A. F. Douglas.

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Electric Appliance Co., 701 W. Jackson, Monroe 5020.
Englewood Elec. Sup. Co., 5725 S. Halsted St., Normal 2105.
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Metropolitan Elec. Sup. Co., 180 W. Lake St., Main 4600.
Monarch Elec. & Wire Co., 622 W. Adams St., Monroe 4949.
Otto Reiman, Inc., 155 W. Lake St., Franklin 1636.
Revere Elec. Co., 439 Plymouth Court, Wabash 4314.
Western Elec. Co., 500 S. Clinton St., Wabash 3000.
IND.—Indianapolis—Indianapolis Elec. Sup. Co., Main 1447.
LA.—New Orleans—Electrical Sup. Co., Main 1402.
MD.—Baltimore—Baltimore Elec. Sup. Co., 309 N. Calvert, Plaza 5870.
Lee Electric Co., 217 N. Calvert, Plaza 4080.
Southern Elec., Co., 5 S. Gay, Plaza 2050; 106 South St., Calvert 5050.
Western Electric Co.
MASS.—Boston—Pettingell-Andrews Co., 511 Atlantic Ave., Congress 4200.
Wetmore-Savage Co., 76 Pearl St., Congress 1900.
MICH.—Detroit—Crescent Elec. Co., 150 E. Jefferson Ave., Main 872.
McNaughton McKay Elec. Co., 831 W. Jefferson, Main 5876.
Morris Blumberg Elec. Co., 142 E. Jefferson Ave., Main 7605.
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MINN.—Duluth—Duluth El. Supplies Co., 210 W. 1st St., Melrose 2324.
Western Elec. Co., 320 W. 1st St., Melrose 129.
Minneapolis—Western Elec. Co., 114 N. 3rd St., Main 1193.
St. Paul—Northwestern El. Equip. Co., 174 East 6th St., Interior 1140.
Western Elec. Co., 63 East 6th St., Cedar 1128.
MO.—Kansas City—B-R Electric Co., 1432 Walnut St., Harrison 7450.
Funsten Elec. Co., 1310 Wyandotte, Grand 1070.
Missouri Valley Elec. Co., 1417 Walnut St., Harrison 1784.
Western Elec. Co., 608 Wyandotte, Main 4942.
St. Louis—Commercial Elec. Sup. Co., 320 S. Broadway, Main 1292.
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Wesco Supply Co., 7th and Clark, Main 3230.
Western Elec. Co., 810 Spruce, Main 1611.
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New York—Alpha Elec. Co., 151 W. 30th St., Watkins 0500.
Crannell, Nugent, Kranzer Co., 110 W. 30th St., Watkins 4520.
W. F. Irish Co., 130 W. 32nd St., Watkins 5887.
Western Elec. Co., 195 Broadway, Cortland 7700.
Rochester—Wheeler-Green El. Sup. Co., 29 St. Paul, Stone 3333.
OHIO—Cincinnati—Johnson Elec. Sup. Co., 234 E. 5th St., Canal 5282.
Lawrence Elec. Co., F. D., 219 W. 4th St., Main 4435.
Post-Glover Elec. Co., 308 W. 4th St., Main 3
Western Elec. Co., 312 Elm St., Main 600.
Cleveland—Erner Electric Co., 1240 Ontario St., Main 7520.
Western Elec. Co., 1010 Oregon Ave., Cherry 603.
Dayton—Wm. Hall Elec. Co., 115 E. 3rd St., Main 3424.
ORE.—Portland—Western Elec. Co., Union Ave. & E. Ash St., Broadway 8121.
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H. C. Roberts Elec. Co., 11th & Race, Filbert 3616.
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Pittsburgh—Doubleday Hill Elec. Co., 719 Liberty Ave., Grant 1575.
Robbins Elec. Co., 830 Liberty Ave., Grant 6780.
Union Elec. Co., 933 Liberty Ave., Grand 5810.
Western Elec. Co., 919 River Ave., Cedar 2300.
Scranton—Elect. Sup. Co.
VA.—Richmond—Western Elec. Co., 6th & Cary Sts., Randolph 1846.
WASH.—Seattle—Tri State Elec. Co., Main 3620.
WIS.—Milwaukee—Julius Andrae & Sons, 362 Broadway, Broadway 4900.
G-Q Electric Co., 23-25 Erie, Broadway 5400.

Foreign:
Can.—Montreal, Que., Northern Elect. Co.
Can.—Toronto, Ont., Powerlite Devices Co.

Minerals Separation North American Corp., 61 Broadway, New York.
Miners' Foundry & Supply Co., Nevada City, Calif.
Miners' Supply Co., St. Clair, Pa.
Minerva Mfg. Co., hardware, Minerva, O.
Mines Supply & Mach. Co., 589 Bryant, San Francisco, Calif.
Minford Ribbon & Carbon Co., 32 W. 20th, New York.
Mingus & Rutter, Liberty Blvd., Philadelphia, Pa.
Miniature Storage Battery Co., Niagara Falls, N. Y.
Minimax Utilities Assn., 2430 San Pablo av., Oakland, Calif.
Minier Gas Heating Co., South Pasadena, Calif.
Mining & Metallurgy, trade publication, 29 W. 39th, New York.
Mining Machine Co., Mountville, Pa.
Mining Safety Device Co., Bowerston, O.
Minjer Bros., lumber, Nebo, Ill.
Minkin, Morris, contr., 2640 Decatur, Omaha, Neb.
Minneapolis Boiler Compound Co., 248 Fairfield av., St. Paul, Minn.
Minneapolis Baby Carriage Co., 506 11th, Minneapolis, Minn.
Minneapolis Bedding Co., 5th Ave., S. E. & Henn Ave., Minneapolis, Minn.
Minneapolis Brass & Iron Mfg. Co., 115 N. 9th, Minneapolis, Minn.
Minneapolis Brick & Supply Co., 3418 Marshall, Minneapolis, Minn.
Minneapolis Bridge Co., Metropolitan Life Bldg., Minneapolis, Minn.
Minneapolis Casket Co., 722 Central av., Minneapolis, Minn.
Minneapolis Desk Mfg. Co., 1716 Franklin Ave., Minneapolis, Minn.
Minneapolis Electric & Construction Co., 81 S. 12th St., Minneapolis, Minn.
Minneapolis Electric Steel Casting Co., Inc., 3800-5th St., N. E., Minneapolis, Minn.
Minneapolis Furniture Co., 6th av. & S. E. 9th, Minneapolis, Minn.
Minneapolis Gas Fixture Co., 814 Henn Ave., Minneapolis, Minn.
Minneapolis Heat Regulator, 2753-4th Ave., Minneapolis, Minn.
Minneapolis Iron Store Co., 512 Washington Ave., Minneapolis, Minn.
Minneapolis Laundry Machine Co., 2716 Lyndale Ave., Minneapolis, Minn.
Minneapolis Mfg. Co., excelsior, 5th av. & S. E. & E. Hennepin, Minneapolis, Minn.
Minneapolis Office & School Furniture Co., see Paul Frederick W. (successors).
Minneapolis Ornamental Iron Wks., 27th & Essex St., S. E., Minneapolis.
Minneapolis Paper Co., 4th av. S. & 5th, Minneapolis, Minn.
Minneapolis Paving & Cement Brick Mfg. Co., Minneapolis, Minn.
Minneapolis Roofing & Cornice Co., 718 Washington av., S. E., Minneapolis, Minn.
Minneapolis Sand Lime Brick Co., 307 Kasota, Minneapolis, Minn.
Minneapolis Sash & Door Co., 962 Central av., N. E., Minneapolis, Minn.
Minneapolis Steel Co., H. Morgan pk., Duluth, Minn.
Minneapolis Steel & Machinery Co., 2354 Minnehaha Ave., Minneapolis, Minn.
Minneapolis Threshing Mach. Co., Hopkins St., Minneapolis, Minn.
Minneola Mfg. Co., cotton flannels, Gibsonville, N. C.
Minnesota & Ontario Paper Co., Insulation Division, International Falls, Minn.
Minnesota & Ontario Power Co., Andrus Bldg., Minneapolis, Minn.
Minnesota Box Co., 827 Forest, St. Paul, Minn.
Minnesota Cement Constr. Co., Fergus Falls, Minn.
Minnesota Chandelier Co., 369 Jackson, St. Paul, Minn.
Minnesota Crushed Stone Co., 1500 Johnson, N. E., Minneapolis, Minn.
Minnesota Electric Co., switchboards, etc., 309 2nd av., Minneapolis, Minn.
Minnesota Equip't Co., conduit benders, Minneapolis, Minn.
Minnesota Fibre Co., flax & tow, Heron Lake, Minn.
Minnesota Harness Factory, Inc., Winona, Minn.
Minnesota Knitting Mills, sweaters, 514 St. Peter, St. Paul, Minn.
Minnesota Linseed Oil Paint Co., 1101 S. 3rd St., Minneapolis, Minn.
Minnesota Lumber Co., Albert Lea, Minn.
Minnesota Mining & Mfg. Co. (Whol. Sand Paper), 564 W. Monroe St., Chicago.
Minnesota Mining & Mfg. Co., 791 Forest St., St. Paul, Minn.
Minnesota Moline Plow Co., 401-7 N. 3d, Minneapolis, Minn.
Minnesota Pipe & Tile Co., Mankato, Minn.
Minnesota Potato Starch Co., Anoka, Minn.
Minnesota Radiator Co., machsts. & fndrs., Duluth, Minn.
Minnesota Roofing & Cornice Wks., 135 E. 12th St., St. Paul, Minn.
Minnesota Stove Co., 1st Natl. Soo Line Bldg., Minneapolis, Minn.
Minnesota Tank Co., 920 6th av., Minneapolis, Minn.
Minnesota Tent & Awning Co., 15 W. 3d, St. Paul, Minn.
Minnesota Valley Canning Co., Le Sueur, Minn.
Minnesota Western Lumber Co., Bellingham, Wash.
Minnet & Co., willow ware mfrs., 365 Lexington av., New York.
Minnetonka Canning Co., St. Bonifacius, Minn.
Minnetonna Co., churns, Owatonna, Minn.
Minnich Mach. Wks., Landisville, Pa.
Minnick-Gibbons Co., contractors, 5309 Prospect av., Cleveland, Ohio.
Minnick Constr. Co., Newcastle, Ind.
Minnie & Ramsay, Eaton Rapids, Mich.
Minor Disinfectant Co., W. E., 328 Champlain Ave., Cleveland, O.
Minor Fire Brick Co., Cleveland, O.
Minor Firebrick Co., Empire, O.
Minor Firebrick Co., see Stowe-Fuller Refractories Co. (successors).
Minot Packing Co., Mechanic Falls, Me.
Minotola Glass Co., glass bottles, Minotola, N. J.
Minster Machine Co., Minster, O.
Minter Mfg. Co., sash, door & blind mfrs., Bloomington, Ill.
Minteer Hardware Co., Oklahoma, Okla.
Minter Homes Corp., Huntington, W. Va.
Minto Tooth Pick & Specialty Co., candy sticks, Dept. H., Mayville, Mich.
Minton, Richard, tubular boilers, 119 Sumner, E. B., Boston, Mass.
Minton, T. W., & Son, lumber, Barbourville, Ky.
Minusa Kine Screen Co., projection screen, 2665 Morgan, St. Louis, Mo.
Minwax Company, Inc., (Waterproofing Products), Webster Bldg., Chicago.
Minzing, Fred, brick, Delphos, Ohio.
Mione Mfg. Co., hand soap, Collingdale, Pa.
Miotke, Joseph, 140 Clinton St., Milwaukee, Wis.
Mir, Codina & Marques, cork mfrs., 592 Montgomery, Jersey City, N. J.
Mirabile Contrg. Co., White Plains & Morris Pk. avs., New York.
Miracle Artificial Arm Co., 102 N. Wells St., Chicago.
Miracle Sales Co., soap, 651 N. Broadway, Los Angeles, Calif.
Mirs Fuel Oil Equipment Co., Inc., Lancaster, Pa.
Mirror Rouge Co., New Kensington, Pa.
Miscampbell, H., lime hydrating machy., Duluth, Minn.
Misch Co., Otto, 36 State St., Detroit, Mich.
(See F. J. Ryan & Co., Philadelphia, Pa.)
Mischel, Geo. Sons, stone producers, Owensboro, Ky.
Mishawaka Machine Co., Mishawaka, Ind.
Mishawaka Woolen Mfg. Co., Mishawaka, Ind.
Mishler Mfg. Co., cloth mops, Smithville, Ohio.
Missing Link Apple Co., canned, Clayton, Ill.
Mission Brass Works, 123 Erie, San Francisco, Calif.
Mission Foundry & Stove Wks., 557 Treal av., San Francisco, Calif.
Mission Fdry. & Stove Wks., 2256 Harrison St., San Francisco, Cal.
Mission Marble Works, 209 Mississippi, San Francisco, Calif.
Mission Paper Board Mill, 3074 17th, San Francisco, Calif.
Mission Paper Box Co., 2005 Bryant, San Francisco, Calif.
Mission Soap & Candle Wks., 18th & Harrison, San Francisco, Calif.
Missisquoi Lime Wks., High Gate Springs, Vt.
Missisquoi Pulp & Paper Co., Sheldon Springs, Vt.
Mississippi Electric Co., 132 5th Ave., Clinton, Ia.
Mississippi Foundry Machine Co., Jackson, Miss.
Miss. Glass Co., 220 5th av., New York.
Mississippi Hardware Co., Ft. Worth, Tex.
Mississippi Lime & Material Co., Alton, Ill.
Mississippi Lumber Co., 332 S. Michigan Ave., Chicago.
Miss. Pearl Button Co., Burlington, Ia.
Miss. Valley Constr. Co., De Menil Bldg., St. Louis, Mo.
Miss. Valley Mfg. Co., logging wagons, Quincy, Ill.
Miss. Valley Rubber Co., inner tubes, Iowa City, Iowa.
Miss. Valley Stove Wks., steel ranges, Fulton, Ill.
Mississippi Valley Structural Steel Co., Decatur, Ill.
Mississippi Wire Glass Co., 220 5th Ave., New York.
Missoula Brick & Tile Co., Missoula, Mont.
Missoula Clutch Trap Co., 106 W. Spruce st., Missoula, Mont.
Missoula Iron Works, Missoula, Mont.
Missoula Lbr. Co., Missoula, Mont.
Missoula Merc. Co., Missoula, Mont.
Missouri Bag Co., 816 N. 2nd St., St. Louis, Mo.
Missouri Belting Co., 120 S. Commercial St., St. Louis Mo.
Missouri Boiler & Sheet Iron Works, 23rd & Papin St., St. Louis, Mo.
Missouri Boiler Works Co., The, 3rd & Minnesota, Kansas City, Mo.
Missouri Brass Type Fdry. Co., 1620 W. 22d, St. Louis, Mo.
Missouri Bridge & Iron Co., Fullerton Bldg., St. Louis Mo.

Missouri Cotton Yarn Mfg. Co., 300 Lynch, St. Louis, Mo.
Missouri Engine Co., 2806 N. 11th St., St. Louis, Mo.
Missouri Fire Brick Co., 411 Olive St., St. Louis, Mo.
Missouri Fire Door & Cornice Co., St. Louis, Mo.
Missouri Furn. Co., 1436 N. 20th, St. Louis, Mo.
Missouri Granite & Constr. Co., 3410 Gratiot av., St. Louis, Mo.
Missouri Hay Press Co., Moberly, Mo.
Missouri Iron Co., fndrs., International Life Bldg., St. Louis, Mo.
Missouri Lamp & Mfg. Co., 116 Elm St., St. Louis, Mo.
Missouri Lbr. Co., De Queen & Hot Springs, Ark.
Missouri Malleable Iron Co., E. St. Louis, Ill.
Missouri Mattress & Glove Mfg. Co., Cape Girardeau, Mo.
Missouri Meerschaum Co., pipes (smoking), Washington, Mo.
Missouri Motor Equipment Corp., Gravois & Michigan Ave., St. Louis, Mo.
Missouri Paint & Varnish Co., 514 De Soto St., St. Louis, Mo.
Missouri Plate Glass Co., Valley Park, Mo.
Missouri Portland Cement Co., Post Dispatch Bldg., St. Louis, Mo.
Missouri Pottery & Mfg. Co., 1225 W. 8th, Kansas City, Mo.
Missouri Pressed Brick & Improvement Co., St. Louis, Mo.
Missouri School of Mines & Metallurgy, Rolla, Mo.
Missouri Stair Co., 4205 Forest Park blvd., St. Louis, Mo.
Missouri Tent & Awning Co., 2208 Pine St., St. Louis, Mo.
Missouri Valley Bridge & Iron Wks., Leavenworth, Kan.
Missouri Valley Electric Co., 1417 Walnut St., Kansas City, Mo.
Missouri Valley Structural Steel Co., St. Louis, Mo.
Missouri Water & Steam Supply Co., St. Joseph, Mo.
Missouri Zinc Co., Beckemeyer, Ill.
Mitchel & Co., contrs., Binghamton, N. Y.
Mitchell & Co., Ltd., J. S., Sherbrooke, Que., Can.
Mitchell & Co., W. K., 2940 Ellsworth St., Philadelphia, Pa.
Mitchell & Dillon Coal Co., 203 S. Dearborn St., Chicago.
Mitchell & Hotchkiss, Richmond, Va.
Mitchell & Mitchell Mfg. Co., furniture, Dept. H., Fort Smith, Ark.
Mitchell & Moffet, packing box mfrs., 54 Crosby, New York.
Mitchell & Pierson, leather, Schuylkill av., Reed & 36, Phila., Pa.
Mitchell & Smith, Inc., Framingham, Mass.
Mitchell & Son, G. F., Cedar & E. 65th St., Cleveland, O.
Mitchell & Sons Co., see Simplex Paper Co. (successors).
Mitchell & Sutherland, Inc., contr., 18 Tremont, Boston, Mass.
Mitchell, A., flour mills, Walkerton, Va.
Mitchell Advertising Co., 3rd & Main Sts., Cincinnati, O.
Mitchell Alfalfa Milling & Light Co., Mitchell, Neb.
Mitchell-Bissell Co., 334 4th Ave., New York.
Mitchell Bros. Co., Cadillac, Mich.
Mitchell Brick Co., Lower River Rd., Cincinnati, O.
Mitchell, C. H., Elev. Co., 231 W. Grand av., Chicago.
Mitchell Camera Co., 6025 Santa Monica blvd., Los Angeles, Calif.
Mitchell Clay Mfg. Co., 5625 Manchester Ave., St. Louis, Mo.
Mitchell Co., Inc., machsts. & fndrs., steel structural work, Poughkeepsie, N. Y.
Mitchell Co., P. R., Cincinnati, O.
Mitchell Co., tubular boilers, machsts. & fndrs., 621 W. 24th, New York.
Mitchell-Diggins Iron Co., Cadillac, Mich.
Mitchell, F. A., mill & facty. supplies, 20th & Callowhill, Philadelphia, Pa.
Mitchell Engineering Co., The, Springfield, O.

MITCHELL-FAUST ADVTG. AGCY., 9 S. Dearborn St., Chicago.

Mitchell, F. C., machsts., 714 S. Dearborn, Chicago, Ill.
Mitchell, F. O., & Bro., canned goods, Perryman, Md.
Mitchell Fertilizer Co., 26 S. Water, Providence, R. I.
Mitchell Furniture Co., Robt., 2nd and John Sts., Cincinnati, O.
Mitchell, G. L., machsts. & fndrs., Ellensburg, Wash.
Mitchell, H. R., Emlenton, Pa.
Mitchell Hardware Co., Ashtabula, Ohio.
Mitchell, Isam, & Co., masons' & bldrs.' matls., Brockton, Mass.
Mitchell, J. D., fertilizer mfrs., Spring Valley, Ala.
Mitchell, J. E., masons' & bldrs.' matls., Glenolden, Pa.
Mitchell, J. F., Mach. & Gear Works, 340 Folsom, San Francisco, Calif.
Mitchell, J. F., lbr., Stevenson, Ala.
Mitchell, J. S., & Bro., canned goods, Aberdeen, Md.
Mitchell, J. S., & Sons, sash, door & blind mfrs., Beaver Falls, Pa.
Mitchell, J. W., ladders, Medford, Ore.
Mitchell, J. W., & Roberts, contractors, Madison, Wis.
Mitchell, John, cornices & skylights, Helena, Mont.
Mitchell, John, machsts., 2224 Vine, Philadelphia, Pa.
Mitchell, John, Jr., Co., see Messer, Jas. A., Co., Inc. (successors).
Mitchell, Jno. R., Co., machsts., 702 S. Washington, Baltimore, Md.
Mitchell, Lewis & Staver Co., 3403 Morrison St., Portland, Ore.
Mitchell Lime Co., Allentown, Pa.
Mitchell Lumber Co., W. G., Shortleaf, Ala.
Mitchell, M., canned goods, Aberdeen, Md.
Mitchell, Malcolm E., models, 318 Harrison, Oakland, Calif.
Mitchell Mfg. Co., 1901 Forest Home Ave., Milwaukee, Wis.
Mitchell Mfg. Co., laces, Portsmouth, Ohio.
Mitchell Molding Co., 15th St. & Circle Ave., Forrest Park, Ill.
Mitchell Motors Co., automobile mfrs., Racine, Wis.
Mitchell Polishing Co., S. Quincy, Quincy, Mass.
Mitchell-Powers Hdwe. Co., Bristol, Tenn.
Mitchell, R. F. & G. H., canned goods, Aberdeen, Md.
Mitchell, R. L., Lumber Co., Louisville, Miss.
Mitchell, Ralph M., canned goods, Aberdeen, Md.
Mitchell-Rand Mfg. Co., 18-A Vesey St., New York.
Mitchell, S. C., Co., lbr., Oroville, Wash.
Mitchell Specialty Co., 3860 Coral st., Philadelphia, Pa.

MITCHELL-TAPPEN COMPANY, 15 John St., New York.

Pres.—Wm. H. Mitchell.
Sec.—L. A. Phillips, M. E.
Treas.—A. B. Tappen, M. E.
Contract Mgr.—Richard W. Tull, C. E.
Representatives:
GA.—Atlanta—Steel Specialties Co., 608 Walton Bldg.
IND.—Indianapolis—Jas. H. Carnine, 509 Lemcke Bldg.
MD.—Baltimore—J. Bayard Embick, 2 E. Lexington St.
MASS.—Boston—Universal Safety Tread Co., 40 Court St., Main 1233.
MICH.—Detroit—Lon Sloan, 423 Dime Bank Bldg., Cadillac 7419.
N. Y.—Utica—H. H. Frey, 7 Springate St.
O.—Akron—Akron Clay Products Co., 46 S. Broadway.
OKLA.—Tulsa—W. L. Sullivan, Machinery, 505 Central Nat. Bank Bldg.
PA.—Carbondale—Hendrick Manfg. Co.
Pittsburgh—Hendrick Manfg. Co., Union Arcade.
UTAH—Salt Lake City—Galigher Machinery Co., P. O. Box 949.
WASH.—Seattle—S. W. R. Dally, 332 Pioneer Bldg.

Mitchell, Thomas H., Salisbury, Md.
Mitchell-Vance Co., 503 W. 24th St., New York.
Mitchell, W. H., masons' & bldrs.' matls., Morgantown, Ind.
Mitchell Wheel Co., Miamisburg, Ohio.
Mitchell, Wm. W., lumber, Stevens Point, Wis.
Mitchell, Wilson Co., contrs., Niagara Falls, N. Y.
Mithoff, H., & Co., whol. hdwe., 284 S. High, Columbus, Ohio.
Mitshkun Co., M., 4th Floor Penobscot Bldg., Detroit Mich.
Mitsui & Co., Ltd., (Imps. & Exp. Silk, Cotton Gds. etc.), 65 Bway, New York.
Mittag & Volger, Inc., Park Ridge, N. J.
Mittler Wire Mfg. Co., The, Robbins, Tenn.

MITTS & MERRILL, 1939 S. Water, Saginaw, Mich.

Mixer & Company, Niagara Life Bldg. (Lumber) Buffalo, N. Y.
Mixing Equipment Co., Inc., 50 E. 42nd St., New York.
Mixter Saw Tool Co., J. W., Plymouth, Mass.
Moab Canning Co., Moab, Utah.
Moak Mach. & Tool Co., castings, machsts. & fndrs., Port Huron, Mich.
Moate, J. M., fertilizer, Devereux, Ga.
Moatz, D. L., wood handles, Round Hill, Va.
Moback Tool & Machine Mfg. Co., special tools, milling & machine cutters, vises & contract machine work, 330 Atlantic av., Boston, Mass.
Moberg, C. J., die cast castings, Mount Vernon, N. Y.
Mobile Coal Co., Mobile, Ala.
Mobile Mattress Co., Mobile, Ala.
Mobile River Sawmill Co., Mt. Vernon, Ala.
Mobile Roofing & Cornice Co., Mobile, Ala.
Mobile Sash & Door Co., lbr., Mobile, Ala.
Mobile Ship Chandlery Co., Mobile, Ala.
Mobile Steel Co., Mobile, Ala.
Mobile Stove & Pulley Mfg. Co., Mobile, Ala.
Mobile Top Co., 16 Seldon, Detroit, Mich.
Moberly Paving Brick Co., Moberly, Mo.
Mobley, G. W., machst., Waynesboro, Ga.
Mobley-Graham-Jones Co., whol. hdwe., Danville, Va.
Mocha Dressing Co., leather, Johnstown, N. Y.
Mock, Julius, & Sons, architect'l & ornament'l iron, 777 Rutland rd., Brooklyn, N. Y.
Mockbee, C. M., 816 E. Pearl, Cincinnati, O.
Mockbridge, Jas. D., carriages, Montclair, N. J.
Mockette Constr. Co., contractors, Camden, N. J.
Model Carriage Co., Houston, Tex.
Model Flour Mills, Greeley, Colo.
Model Fdry. & Mach. Co., Findlay, Ohio.
Model Generator Co., acet. gas generators, 1717-23 Magazine, Louisville, Ky.
Model Heating & Engng. Co., 5223 Havrfrd., Phila., Pa.
Model Knitting Wks., Salt Lake City, Utah.
Model Lamp Shade Co., 810 S. Maple av., Los Angeles, Cal.
Model Machine Wks., dies, screw mach. products, etc., 317 W. Pico, Los Angeles, Calif.
Model Mfg. Co., sweaters, cardigans, etc., 29 W. 30th, New York.
Model Mill Co., flour, Johnson City, Tenn.

MODEL PRODUCTS CO., signs, clamps, stamping & drawing sheet metal, 9th & Venango, Philadelphia, Pa.

Model Roller Mills Co., flour, Smith's Grove, Ky.
Model Shop, inventors' models, 80 1st, San Francisco, Calif.
Model Sign Works, see Model Products Co. (successors).
Modena Cotton Mills, Gastonia, N. C.
Modern Auto Body Works, 2309 S. Sheridan, Tacoma, Wash.
Modern Bag Co., packing machs., East Orange, N. J.
Modern-Bond Company, Wilmington, Del. (Tools & Machy.)
Modern Brass Fdy. Co., St. Louis, Mo.
Modern Broom Machy. Co., Dept. H., Davenport, Ia.
Modern Constr. Co., bldrs.' supplies, Grand Junction, Ia.
Modern Die & Drop Forge Co., 1800 W. 39th St., Rock Island, Ill.
Modern Die & Stamping Co., 623 E. 12th, Los Angeles, Calif.
Modern Die & Plate Press Mfg. Co., Belleville, Ill.
Modern Die & Tool Co., Indianapolis, Ind. (Now Victor Bearings Co.)
Modern Electric & Machine Co., 936 Ft. Wayne Ave., Indianapolis, Ind.
Modern Electric Co., Burlington, Ia.
Modern Engineering Co., 3411 Pine st., St. Louis, Mo.
Modern Equipt. Co., paper balers, Lockport, N. Y.
Modern Grinder Mfg. Co., tools grinders, 64 Reed, Milwaukee, Wis.
Modern Hospital, trade publication, 22 E. Ontario, Chicago, Ill.
Modern Htg. Co., 3935 Olive, St. Louis, Mo.
Modern Iron Works, The, Quincy, Ill.
Modern Iron Works, steel struct'l wk., 2514 McPherson, Los Angeles, Calif.
Modern Laundry Equipment Co., 551 Poplar, Cincinnati, Ohio.
Modern Laundry Mach. Co., 1907 Central, Kansas City, Mo.
Modern Loom Works, 152 Market St., Paterson, N. J.
Modern Lubricating Co., Inc., 80 S. 11th St., Minneapolis, Minn.
Modern Machine Tool Co., Jackson, Mich.
Modern Machinery Co., The (now The Modern-Bond Company), Wilmington, Del.
Modern Machinery Exchange, see Industrial Plants Corp. (successor).
Modern Machinery Exchange, 25 Church, New York
Modern Machy. & Tool Co., stamping dies, 3654 Lincoln av., Chicago, Ill.
Modern Mfg. Co., ironing boards, mats, swings, etc., Hagerstown, Md.
Modern Mfg. Co., plbrs. supplies, 4734 Hough, Cleveland, O.
Modern Mfg. Corp., 50 Elmwood av., Waterbury, Conn.
Modern Miller, trade publication, Insurance Exchange, Chicago, Ill.
Modern Milling & Mfg. Co., flour, Waxahachie, Tex.
Modern Pattern Co., patterns & models, Springfield, O.
Modern Pattern Co., 140-150 Clinton St., Milwaukee, Wis.
Modern Pen Company, 17 Battery pl., New York.
Modern Pouring Device Co., Port Washington, Wis.
Modern Refrigerator Works, 416 E. 9th, Los Angeles, Calif.
Modern Steel Castings Co., 1400 33rd St., Milwaukee, Wis.
Modern Tool Co., 3rd and State Sts., Erie, Pa.
Modern Tool Die & Machine Company, 220 N. 4th St., Columbus, O.
Modern Toy Co., 171 Belmont av., Brooklyn, N. Y.
Modern Utilities Co., Harrisburg, Pa.
Modern Wagon & Carriage Co., 1948 Papin, St. Louis, Mo.
Modern Weaving & Belting Co., 123H Arthur, Buffalo, N. Y.
Modern Window Glass Co., Salem, W. Va.
Modern Wire Specialty Co., 1618 Fulton St., Chicago.
Modesto Furniture & Cabinet Co., Modesto, Calif.
Modesto Lumber Co., Modesto, Calif.
Modesto Repressed Brick Co., Modesto, Calif.
Modoc Co., Fernwood, Pa.
Modoc Lbr. Co., Chiloquin, Ore.
Modoc Soap Co., 321 Bourse St., Philadelphia, Pa.
Moe Bridges Co., electric fixtures, 236 Broadway, Milwaukee, Wis., & 933 Mission, San Francisco, Calif.
Moedinger's Jno. M., Sons, stone producers, Lancaster, Pa.
Moeller, John H., cooperage stock, Mount Vernon, Ind.
Moeller, A. E., 263 Sumpter, Brooklyn, N. Y.
Moellering's, Wm., Sons, masons' & bldrs.' matls., Murray st., Fort Wayne, Ind.
Moellering Construction Co., Fort Wayne, Ind.
Moen Casket & Furniture Co., Peterson, Minn.
Moench, C., Sons Co., leather, 119 Beach, Boston, Mass.
Moench, C., Sons Co., machsts., Gowanda, N. Y.
Moers, E. M., Sons, scrap metal, brass & copper, 290 Front, New York.

MOESCHL-EDWARDS CORRUGATING CO., THE, P. O. Box 564, Cincinnati, O.
Pres.—Wm. B. Grischy.
V. P.—Paul C. Edwards.
Sec. & Treas.—J. A. McCarthy.

Moeszinger-Marquis Hardware Co., Clinton, Ia.
Moffat & Co., Frank D., 200 Fifth Ave., New York
Moffat Coal Co., Gas & Electric Bldg., Denver, Colo.
Moffat, H. R., & J., auto, crankshafts & iron forgings, 49 Fairview, Waterbury, Conn.
Moffat, L., masons' & bldrs.' matls., Mamaroneck, N. Y.
Moffat Machy. Mfg. Co., Charlotte, N. C.
Moffat Paper Goods Co., plain envelopes, 195 Church, New Haven, Conn.
Moffitt Iron Works Co., Sanford, N. C.
Moffitt, J. D., mast hoops, Scotland, Conn.
Mogadore Lumber & Supply Co., Mogadore, Ohio.
Mogey, W. & D., telescopes, Plainfield, N. J.
Mogul Co., paint & varnish imps., 41 W. 39th, New York.
Mogul Logging Co., lumber mfrs., Bellingham, Wash.
Mogul Metal Co., babbitt metal & die castings, 535 Larned W., Detroit, Mich.
Mogul Wagon Co., Hopkinsville, Ky.
Mohan & Co., Inc., bottle filling machs., tablet counting machs., etc., 44 E. 23d, New York.
Mohawk Brush Co., Albany, N. Y.
Mohawk Clay Products Co., Perrysville, Ohio.
Mohawk Condensed Milk Co., 71 Hudson, New York.
Mohawk Electric Corp., 2220 Diversey Parkway, Chicago.
Mohawk Elec. Mfg. Co., fire arms, 15 Kirk pl., Newark, N. J.
Mohawk Electrical Supply Co., 350 W. Fay St., Syracuse, N. Y.
Mohawk Grinding Paste Mfg. Co., Albany, N. Y.
Mohawk Lubricating Co., 2002 Plum St., Cincinnati, O.
Mohawk Lbr. Co., Mohawk, Calif.
Mohawk Lumber Co., Mohawk, Ore.
Mohawk Mach. Shop, Fonda, N. Y.
Mohawk Overall Co., 222 Congress W., Detroit, Mich.
Mohawk Refining Co., 1187 West 11th St., Cleveland, O.
Mohawk Rubber Co., Akron, Ohio.
Mohawk Silk Fabric Co., knitted gloves, Fultonville, N. Y.
Mohawk Valley Broom Co., Fonda, N. Y.
Mohawk Valley Cap Factory, see McLaughlin Textile Corp, (successor).
Mohawk Valley Mfg. Co., machsts., Oneida, N. Y.
Mohawk Valley Paper Co., Little Falls, N. Y.
Mohegan Stove Co., Peekskill, N. Y.

MOHEGAN TUBE COMPANY, 304-400 Scott av., Brooklyn, N. Y.

Mohican Brass & Copper Works, Inc., 72 Grand av., New York.
Mohican Pulp & Paper Co., Greenwich, N. Y.
Mohican Rubber Co., Dept. H., Ashland, O.
Mohland & Co., machsts., Burlington, Ia.
Mohler, A., 416 S. Dearborn St., Chicago.
Mohn, H., machsts. & fndrs., Lincoln, Ill.
Mohn, W. D., & Co., vise mfrs., Reading, Pa.
Mohr & Sons, John, 349 W. Illinois St., Chicago.
Mohr & Son, J. J., Bullitt Bldg., Philadelphia, Pa.
Mohr, C. F., masons' & bldrs.' matls., Portage, Wis.
Mohr, E. H., picks, mattocks, etc., Vera Cruz, Pa.
Mohr, Henry, Hardware Co., mill & factory supplies, Tacoma, Wash.
Mohr, John F., stone producers, Saginaw, Mich.

MOHR, JOHN, & SONS, blast furnaces, rotaries, sterilizers, tanks, etc., 96th & Calumet River, Chicago, Ill.

Mohr-Jones Hardware Co., 315 Sixth St., Racine, Wis.
Mohr Lumber Co., Tomahawk, Wis.
Mohr Mach'y Co., Inc., Barnard E., 1213 Pine St., St. Louis, Mo.
Mohr, Oscar P., architect, 728 Gravier, New Orleans, La.
Mohr R., & Sons, optical goods, San Francisco, Calif.
Mohr Steel Co., stump pullers, 233 Pacific Bldg., San Francisco, Calif.
Mohrlite Co., electrical fixtures, Urbana, Ohio.
Mohrlite Company of America, The, 901 Harrison St., Nashville, Tenn.
Moise-Klinkner Co., advtg. nov. & spec., 369 Market, San Francisco, Calif.
Moistureproof Fibre Can Co., Dixon & River Pge., Detroit, Mich.
Mojonnier Bros. Co., 4601 W. Ohio St., Chicago.
Moland's, Wm., Sons, meat packers, 120 Market, Philadelphia, Pa.
Molby Boiler Co., Lansdale, Pa.
Molby Boiler Co., 41 E. 42d, New York.
Moline, C. H., stone producer, Waterloo, Ia.
Moline Fdry. Co., machsts. & fndrs., Moline, Ill.
Moline Furniture Works, Inc., Moline, Ill.
Moline Heat Co., Moline, Ill.
Moline Heating & Constr. Co., Moline, Ill.
Moline Iron Works, Moline, Ill.
Moline Lbr. Co., Malvern, Ark.
Moline Malleable Iron Co., St. Charles, Ill.
Moline Paint Mfg. Co., Moline, Ill.
Moline Plow Co., Moline, Ill.

Moline Pressed Steel Co., Inc., East Moline, Ill.
Moline Timber Company, Malvern, Kans.
Moline Tool Co., 319 20th Ave., Moline, Ill.

MOLITOR MACHINERY CO., CHAS., 118-124 South Clinton St., Chicago.

Moll, Wm., clamps, pipe, 1660 Columbus rd., N. W., Cleveland, Ohio.
Molle Typewriter Corp., Oshkosh, Wis.
Mollenberg-Betz Mach. Co., 110 Washington, Buffalo, N. Y.
Moller, M. P., organ mfrs., Hagerstown, Md.
Moller Machine Co., chucks & centers, 10 Lawton, New Rochelle, N. Y.
Moller & Vanden Broom Lumber Co., Quincy, Ill.
Moloch Company, Kaukauna, Wis.
Moloney Belting Co., 124-138 N. Franklin St., Chicago.
Moloney Elec. Co., 7th and Hickory Sts., St. Louis, Mo.
Mollett, Chas., cornices, Champaign, Ill.
Mollineaux Bros., masons' & bldrs.' matls., Hempstead, N. Y.
Mollohon Mfg. Co., cotton sheetings, Newberry, S. C.
Molohan, Dave, brick, Zenobia, Ill.
Molony & Carter Co., fertz. mfrs., Charleston, S. C.
Molony, James, Sons, Inc., contrs., Schenectady, N. Y.

MOLTRUP STEEL PRODUCTS CO., Beaver Falls, Pa.
Pres.—J. T. Moltrup.
V. P.—W. J. Moltrun.
Sec. & Treas.—Stephen Moltrup.
Boston, Mass.—80 Boylston St., C. H. Dayton.
Buffalo, N. Y.—303 White Bldg., C. T. Neale.
Chicago—Central Steel & Wire Co.
Cincinnati, O.—Union Iron & Steel Co.
Cleveland, O.—H. D. Cushman Company.
Detroit, Mich.—Central Steel & Wire Co.
New York—Woolworth, Bldg.
Norfolk, Va.—R. E. Murray.

Moltz, Jacob J., Williamsport, Pa.
Moltz Lbr. Co., Lake Toxaway, N. C.
Molybdenum Corp. of America, Washington, Pa.
Momsen-Dunnegan-Ryan Co., wholesale hdwe., mill, facty. & plumbers' supplies, El Paso, Tex.
Monadnock Blanket Mills, Marlboro, N. H.
Monadnock Mills, cotton shetings, Claremont N. H.
Monadnock Paper Mills, 201 Devonshire St., Boston, Mass.
Monaghan, M. C., granite, W. Quincy, Quincy, Mass.
Monahan Antiseptic Co., see Green Oil Soap Co.
Monahan Stone Co., Plum Point, Ia., Newark, N. J.
Monarch Aluminum Ware Co., 4613 Payne Ave., Cleveland, O.
Monarch Black Board Struct. Slate Co., Slatington, Pa.
Monarch Box Co., packing, 925 N. Halsted, Chicago, Ill.
Monarch Brush Co., hat brushes, Troy, N. Y.
Monarch Clay Mining Co., ball, swagger & wad clays, Bellevue, Campbell County, Ky.
Monarch Carriage Goods Co., 2842 Spring Grove Ave., Cincinnati, O.
Monarch Cement Co., Humboldt, Kan.
Monarch Coal Mining Co., Centralia, Wash.
Monarch-Diamond Oil Co., lubricants, 1284 Delaware, Berkeley, Calif.
Monarch Electric & Wire Co., 622 W. Adams St., Chicago.
Monarch Electric Saw Co., 519 California, San Francisco, Calif.
Monarch Eng'g & Mfg. Co., 1206 American Bldg., Baltimore, Md.
Monarch Engng. Co., machsts., 230 E. 1st, Dayton, O.
Monarch Engineering Co., Chamber of Commerce Bldg., Buffalo, N. Y.
Monarch Felt Works, 39-45 York, Brooklyn, N. Y.
Monarch Fire Clay Co., Linnton rd., Portland, Ore.
Monarch Forge & Machine Wks., 4th & Flanders, Portland, Ore.
Monarch Foundry Co., Stockton, Cal.
Monarch Furn. Co., Dept. H., Jamestown, N. Y.
Monarch Governor Co., 1832 W. Bethune, Detroit, Mich.
Monarch Iron Works, ornamental iron, 262 7th, San Francisco, Calif.
Monarch Leather Co., 1127 Division, Chicago, Ill.
Monarch Linoleum & Rug Co., Bulletin Bldg., Philadelphia, Pa.
Monarch Lumber Co., Loomis & Chgo. River, Chicago.
Monarch Machine Tool Co., Sidney, O.
Monarch Machinery Co., 300 N. Third St., Philadelphia, Pa.
Monarch Manifold Book Co., Laight and Varick Sts., New York.
Monarch Mfg. Co., Randolph & Front, Toledo, Ohio.
Monarch Mfg. Co. (Hdwe. Spec.), 620 St. Antoine, Detroit, Mich.
Monarch Mfg. Co., 60 Chicago St., Milwaukee, Wis.
Monarch Mfg. Co. (Lub. Oil), Council Bluffs, Ia.
Monarch Metal Co., 119 S. Lincoln St., Chicago.
Monarch Metal Products Co., 5020 Penrose St., St. Louis, Mo.
Monarch Metal Weather Strip Co., (now Monarch Metal Products Co.), St. Louis, Mo.
Monarch Milling Co., flour, Elizabethton, Tenn., & Wytheville, Va.
Monarch Mills, cotton sheeting, Union, S. C.
Monarch Overall Co., 39 S. Forsyth, Atlanta, Ga.
Monarch Paint Co., 1348 W. 70th St., Cleveland, O.
Monarch Paper Co., Kalamazoo, Mich.
Monarch Pattern Wks., patterns, for castings, 1426 Russell, Detroit, Mich.

MONARCH REFILLABLE FUSE COMPANY, INC., Jamestown, N. Y.
Pres.—R. P. Stewart.
Sec. & Treas.—E. H. Ellison.
Branch Offices and Warehouses:
Cal.—Los Angeles—Electrical Specialty Co., Inc., 411 S. Main St.
San Francisco—Electrical Specialty Co., Inc., 35 Fremont St.
Ill.—Chicago—Electric Sales Corp., 12 W. Adams St.
N. Y.—New York—Monarch Refillable Fuse Co., Inc., 50 Church St.
Wash.—Seattle—Electrical Specialty Co., Inc., 95 Connecticut St.
Distributors:
ILL.—Chicago—Revere Electric Co., 437 Plymouth Ct., Wabash 4341.
IND.—Fort Wayne—National Mill Sup. Co., 207-13 E. Columbia St.
IA.—Davenport—Tri City Electric Co.
MASS.—Arlington—R. S. Bradner, 36 Devereaux St.
Boston—F. S. Hardy & Co., 351 Congress St., Congress 1525.
MICH.—Detroit—Miller-Seldon Elec. Co., 1259 Park Pl., Main 6464.
J. T. Pearson, 1525 Dime Bank Bldg.
N. Y.—Buffalo—John E. Hoffman, 280 Carolina St., Tupper 2397.
Lloyd A. Woolley, Inc., 75-77 Ellicott Square, Seneca 7700.
New York—Crannell, Nugent & Kranzer, 110 W. 30th St., Watkins 4520.
Manhattan Electric Sup. Co., 17 Park Pl., Barclay 6900.
Syracuse—Brown-Holihan Sales Co., 406 S. Franklin St., Warren 5578I.
OHIO.—Columbus—Soffin-Perry Co., 36 W. Gay St.
Dayton—Hall Electric Co., Wm.
PA.—Philadelphia—Colonial Electric Co., Inc., 932 Arch St.
Rumsey Electric Co., 1007 Arch St., Walnut 6260.
VA.—Richmond—Jeffries & Goodloe, 1003 Mutual Bldg.

Monarch Screen & Mfg. Co., E. 39th & Ross, Los Angeles, Calif.
Monarch Soot Remover Co., Inc., 261 Franklin, Boston, Mass.
Monarch Soot Remover Co., Inc., The Wollaston, Mass.
Monarch Steel Castings Co., Solvay & Wab. R. R., Detroit, Mich.
Monarch Supply Co., carbon paper & typewriter ribbons, 198 Edenburgh, Rochester, N. Y.
Monarch Telephone Mfg. Co., Fort Dodge, Ia.
Monarch Theatre Supply Co., 724 S. Wabash, Chicago, Ill.
Monarch Tire Co., Hartville, Ohio.
Monarch Tire Co., 122 Opere pl., Cincinnati, O.
Monarch Tool & Machinery Co., 522 S. Clinton St., Chicago.
Monarch Tool & Machy. Co., 1901 S. Western av., Chicago, Ill.
Monarch Tool & Mfg. Co., 120 Opera Place, Cincinnati, O.
Monarch Tractor Co., traction, gasoline engines, Watertown, Wis.
Monarch Typewriter Co., 374 Broadway, (See Remington Typewriter Co.), New York.
Monarch Valve Co., 112 Front, Brooklyn, N. Y.
Monarch Water Heater Co., 193 Chartis av., Pittsburgh, Pa.
Monash-Younker Co., 551 W. Monroe St., Chicago.
Monatiquot Rubber Wks. Co., reclaimed rubber, So. Braintree, Mass.
Monce, S. G., Inc., Unionville, Conn.
Moncrief Furnace Co., Dept. H., Atlanta, Ga.
Moncrief Mach. Co., jobbing machsts., Pawtucket, R. I.
Moncur Elec. Co., James, Hamilton, Ont., Can.
Monday, Chas. E., & Co., contractors & consulting engineers, 1318 Olive, Philadelphia, Pa.
Mondo Constr. Co., Inc., City Bk. Bldg., Syracuse, N. Y.
Mondovi Co-operative Canning Co., Mondovi, Wis.
Monessen Box Co., Monessen, Pa.
Monessen Brick Wks., Monessen, Pa.
Monessen Coal & Coke Co., Frick Bldg., Pittsburgh, Pa.
Monessen Foundry & Machine Co., Monessen, Pa.
Moneyweight Scale Co. (Now Dayton Moneyweight Scale Co., Dayton, O.)
Monfils & Murphy Machine Co., Haverhill, Mass.
Monfort, W. F., 506 N. Vandeventer St., St. Louis, Mo.
Monger, R. L., Co., lumber mfrs., Elkhart, Ind.
Monger, R. W., Co., lumber mfrs., Elkhart, Ind.
Monighan Machine Co., 2034 Carroll Ave., Chicago.
Monitor Bl-Loop Radiator Co., Lancaster, Pa.
Monitor Controller Co., Frederick & Lombard Sts., Baltimore, Md.
Monitor Drill Co., St. Louis Park, Minn.
Monitor Furnace Co., see Monitor Stove Co. (successor).
Monitor Motor Car Co., 873 E. 5th Ave., Columbus, O.
Monitor Sad Iron Co., Big Prairie, Ohio.
Monitor Stove & Range Co., 410 Vine, Cincinnati, O.
Monitor Time Clock Co., recorders, Syracuse, N. Y.
Monk, Chas., moulders' tools, 83 18th, Brooklyn, N. Y.
Monks & Miller, masons' & bldrs.' matls., Seattle, Wash.
Monks & Sons, John, 438 Broadway, New York.
Monks-Ripley Pile Co., 438 Broadway, New York.
Monmouth Canning Co., 307 Commercial, Portland, Me.
Monmouth Chemical Corp., 128 Front st., New York.
Monmouth Clay Mfg. Co., sewer pipe & fittings, Monmouth, Ill.
Monmouth Contracting Co., Red Bank, N. J.
Monmouth County Farmers' Exchange, fertilizer mfrs., Freehold, N. J.
Monmouth-Galesburg Construction Co., Monmouth, Ill.
Monmouth Machine Co., piston pins, 2343 Lakeside av., Cleveland, Ohio.
Monmouth Plow Factory, Monmouth, Ill.
Mono Corp. of America, 25 W. Broadway, New York.
Monocacy Valley Canning Co., Frederick, Md.
Monolith Portland Cement Co., 215 W. 7th, Los Angeles, Calif., Plant Monolith, Calif.
Monon Crushed Stone Co., Monon, Ind.
Monongah Glass Co., beer mugs, tumblers, etc., Fairmont, W. Va.
Monongahela & Ohio Dredging Co., Oliver Bldg., Pittsburgh, Pa.
Monongahela & Yough, Fndry. Co., McKeesport, Pa.
Monongahela Boiler Wks., Monongahela, Pa.
Monongahela Clay Mfg. Co., Monongahela, Pa.
Monongahela Iron & Steel Co., Hays Sta., Pittsburgh, Pa.
Monongahela Saw & Planing Mill Co., lumber, Monongahela, Pa.
Monongahela Stone Clay & Brick Co., Monongahela, Pa.
Monongahela Supply Co., Morgantown, W. Va.
Monongahela Tube Co., Ferguson Bldg., Pittsburgh, Pa.
Mono-Service Co., wood fibre containers & jardinieres, Verona av. & Oraton, Newark, N. J.
Monroe & Crisell, dairy supplies, 91 Front, Portland, Ore.
Monroe & Johnson, contractors, Lebanon, Ohio.
Monroe & Monroe, see Steele, H. R. (successor).
Monroe Auto Equipment Mfg. Co., Monroe, Mich.
Monroe Binder Board Co., Monroe, Mich. (Now Consolidated Paper Co.)
Monroe Brick & Builders' Supply Co., Monroe, La.
Monroe Bridge Paper Co., Monroe Bridge, Mass.
Monroe, C. F., Co., cut glassware, Meriden, Conn.
Monroe Calculating Mach. Co., Woolworth Bldg., New York.
Monroe Calculating Machine Co., 555 Mitchell St., Orange, N. J.
Monroe Canning & Packing Co., Monroe, Mich.
Monroe Color & Chem. Co., dinitrobenzol & intermediates, etc., Quincy, Ill.
Monroe Cotton Mills, Monroe, Ga.
Monroe County Canning Co., Brockport, N. Y.
Monroe County Chemical Co., starch mfrs., Fairport, N. Y.
Monroe County Oolithic Stone Co., Bloomington, Ind.
Monroe Fdry. & Furnace Co., Monroe, Mich.
Monroe Hardware Co., Inc., Monroe, La.
Monroe Hdwe. Co., Monroe, N. C.
Monroe Mfg. Co., coffins, caskets, etc., Webster, N. Y.
Monroe Mill Co., lbr. mfrs., Monroe, Wash.
Monroe Milling Co., flour, Selinsgrove, Pa.
Monroe Motor Co., Flint, Mich.
Monroe, N. S., & Sons, road graders, Arthur, Ill.
Monroe Novelty Co., brushes, Rochester, N. Y.
Monroe Oil & Fertilizer Co., Monroe, Ga.
Monroe Paper Co., Monroe, Mich.
Monroe Refrigerator Co., Lockland, O.
Monroe, Sam'l, & Son Co., contractors, Portsmouth, Ohio.
Monroe Screen, Blind & Partition Co., blinds & wood rolling partitions, Lima, Ohio.
Monroe Spec. Co., metal polish, 290 W. 11th, New York.
Monroe Steel Casting Co., Monroe, Mich.
Monroe, W. H., turpentine, Blackman, Fla.
Monroe, W. H., Co., blinds & wood rolling partitions, Lima, O.
Monsanto Chemical Works, 1800 S. 2nd st., St. Louis, Mo.
Monson Bros., contractors, 1907 Bryant, San Francisco, Calif.
Monson Maine Slate Co., 112 Water, Boston, Mass.
Monsoon Cooling System, Inc., 71 N. 6th St., Brooklyn, N. Y.
Monsted, A. Co., contractors, Pabst Bldg., Milwaukee, Wis.
Mont Alto Sand Co., Waynesboro, Pa.
Montag Bros., envelopes, Atlanta, Ga.
Montag Stove Works, Kenton Station, 101 W. Columbia blvd., Portland, Ore.
Montague & Co., Inc., W. W. Chronicle Bldg., San Francisco, Calif.
Montague City Rod Co., Montague City, Mass.
Montague Iron Works, marine castings, propeller wheels, 189 W. Madison, Chicago, Ill.
Montague Machine Co., Turners Falls, Mass.
Montague Mfg. Co., Richmond, Va.
Montague O'Reilly Co., contractors, Commonwealth Bldg., Portland, Ore.
Montague Pipe & Steel Co., riveted steel pipe, oil & water tanks, steel flumes & syphons, etc., Hobart Bldg., San Francisco, Calif.
Montague Range & Furnace Co., 380 6th, San Francisco, Calif.
Montala Mfg. Co. cotton sheetings, Montgomery, Ala.
Montana Coal & Iron Co., Washoe, Mont.
Montana Culvert & Flume Co., Missoula, Mont.
Montana Electric Co., The, 52 E. Broadway, Butte, Mont.
Montana Hdwe. Co., Butte, Mont.
Montana Iron Works, Butte, Mont.
Montana Mattress & Furniture Co., Butte, Mont.
Montana State School of Mines, Engng. School & Coll., Butte, Mont.
Montana Tractor Co., Tinley Park, Ill.
Montana Western Lbr. Co., Columbia Falls, Mont.
Montauk Paint Mfg. Co., 2nd Ave. Cor., Brooklyn, N. Y.
Monte Vista Packing Co., 519 California, San Francisco, Calif.
Monte Wrench Co., Shelbyville, Ind.
Monteath Co., J. H., 202 Lewis St., New York.
Montebello Ink Co., paste, etc., 630 Clay, San Francisco, Calif.
Monteola Hardwood Mills, lbr., Glenfield, N. Y.
Monterey Packing Co., 110 Market, San Francisco, Cal.
Montezuma Brick Wks., Montezuma, Ind.
Montezuma Fertilizer Co., Montezuma, Ga.
Montezuma Mach. Wks., machsts. & fndrs., Montezuma, Ind.
Montezuma Mfg. Co., cotton seed meal, Montezuma, Ga.
Montgomery & Co., Inc., 64 Reade st., New York.
Montgomery & Co., R. B., 1st Natl. Bank Bldg., Pittsburgh, Pa.
Montgomery & Crawford Co., Spartanburg, S. C.
Montgomery Belting & Supply Co., leather belting, 147 W. Main, Morristown, Pa.
Montgomery Broom Mfg. Co., Grove City, Pa.
Montgomery Bros. & Co., 254 Court, Buffalo, N. Y.
Montgomery Bros., Inc., 22nd & Penrose sts., Philadelphia, Pa.
Montgomery Chemical Works, Inc., Fairfield, Md., Baltimore, Md.
Montgomery Coal Washing & Mfg. Co., Eighth Ave. & Fortieth St., Birmingham, Ala.
Montgomery Co., J. R., Windsor Locks, Conn.
Montgomery Cordage Co., Montgomery, Ala.
Montgomery Cotton Mills, Montgomery, Ala.
Montgomery Elev. Co., Moline, Ill.
Montgomery Elev. Service, 610 Delaware, Kansas City, Mo.
Montgomery Iron & Steel Co., 1832 N. 9th St., Philadelphia, Pa.
Montgomery Land Co., brick, Yazoo City, Miss.
Montgomery Lime & Cement Co., Montgomery, Ala.
Montgomery Lbr. Co., Spring Hope, N. C.
Montgomery Lumber Co., Suffolk, Va.
Montgomery Mattress Facty., Montgomery, Ala.
Montgomery, S. P., canned goods, Buchanan, Va.
Montgomery Slate Co., Shenandoah, Pa.
Montgomery Stave & Cooperage Co., Montgomery, Ala.
Montgomery Table & Desk Works, Montgomery, Pa.
Montgomery, W. L., & Co., degras, 10 High, Boston, Mass.
Montgomery, W. M., & Co., meat, Anaconda, Mont.
Montgomery Wesley, masons' & bldrs.' matls., Newark, Ohio.
Monticello Canning Co., Monticello, Ia.
Monticello Cotton Mills, Monticello, Ark.
Monticello Preserving Co., canned goods, Monticello, Minn.
Montigel, J. M., machsts. & fndrs., Alma, Mich.
Montour Brick Co., Imperial, Pittsburgh, Pa.
Montour Steel Co., structural steel, Montour Falls, N. Y.
Montowese Brick Co., Montowese st., New Haven, Conn.
Montpelier Canning Co., Montpelier, Ohio.
Montpelier Mfg. Co., Montpelier, Ind.
Montreal Locomotive Works, Ltd., Montreal, Can.
Montreal River Lbr. Co., Saxon, Wis.
Mont Rose Oil Refining Co., Inc., W. T. Waggoner Bldg., Ft. Worth, Tex.
Montrose Mfg. Co., condensers, 1200 Bedford av., Brooklyn, N. Y.
Montross, A. W., cornices, Warwick, N. Y.
Montross Metal Roofing Co., 107-13 Erie St., Camden, N. J.
Monument & Cut Stone Co., Fort Smith, Ark.
Monument Pottery Co., Ingham Ave., Trenton, N. J.
Monumental Bronze Co., 354 Howard st., Bridgeport, Conn.
Monumental Iron & Metal Co., 23 S. Central Ave., Baltimore, Md.
Montvale Canning Co., Montvale, Va.
Montvale Lbr. Co., Fontana, N. C.
Montville Paper Co., Montville, Conn.
Monument Cornice Wks., 822 Hartford av., Baltimore, Md.
Monument Mills, tex. machy. (warps), Housatonic, Mass.
Moock Electric Supply Co., Cor. Cleveland Ave. & 5th St., Canton, O.
Moody, E. A., cornices & skylights, Abbeville, Ga.
Moody Engineering & Construction Co., 90 West, New York.
Moody, John, & Son, common brick, Carlinville, Ill.

Moody Tool Works, Chas. J., Elgin, Ill.
Mooers-Wright Co., can spouts, 255 5th av., New York.
Moomaw, C. M., sash, door & blind, Sugarcreek, Ohio.
Moomaw, J. C., Co., canned goods, Cloverdale, Va.
Moon Brothers, St. Louis, Mo.
Moon Clay & Kaolin Co., clay miners, Trenton, N. J.
Moon Co., Geo. C., Main Office and Factory, Garwood, N. J (now American Cable Co., New York.)
Moon, Geo. O., & Co., flour mills, Binghamton, N. Y.
Moon-Hopkins Billing Machine Co., (See Burroughs Adding Machine Co., Detroit, Mich.
Moon Lumber Co., lbr., Hilt, Cal.
Moon Mach. Co., auto parts & fittings, Muncie, Ind.
Moon Manufacturing Co., 122 N. Jefferson St., Chicago.
Moon Motor Car Co., 4400 N. Main St., St. Louis, Mo.
Mooney & Bueter, 542 Jackson Blvd., Chicago.
Mooney & Sons, W. W., Columbus, Ind.
Mooney, Douglas & Pearson, whol. hdwe., mill & factory supplies, 57 Murray, New York.
Mooney, Frank E., sashes, doors & blinds, Farmington, N. H.
Moonlight Bait Co., Paw Paw, Mich.
Moore & Burgess Webbing Co., Concord Junction, Mass.
Moore & Co. (Machsts.), Grand & Franklin Sts., Chicago.
Moore & Co., masons' & bldrs.' matls., Dallas, Texas.
Moore & Co., meat packers, Indianapolis, Ind.
Moore & Co., Ben., 231 Front St., Brooklyn, N. Y.
Moore & Co., Chas. C., Sheldon Blvd., San Francisco, Cal.
Moore & Co., C., 5th & Market Sts., Philadelphia, Pa.
Moore & Co., E. B., 218 S. Wabash Ave., Chicago.
Moore & Co., H. W., 1761 Wazee st., Denver, Colo.
Moore & Co., Inc., Lee C., Oliver Bldg., Pittsburgh, Pa.
Moore & Galloway Lumber Co., Fond Du Lac, Wis.
Moore & Gibson Corp., broom holders, 48 E. 21st, New York.
Moore & Goodman, lumber, Galveston, Texas.
Moore & Handley Hardware Co., Avenue A., Birmingham, Ala.
Moore & Horkan, turpentine, Moultrie, Ga.
Moore & McFerren (Boxes), Hoopeston, Ill.
Moore & Moore, Inc., castings, tools, etc., Colonial Trust Bldg., Reading, Pa.
Moore & Moore, masons' & bldrs.' matls., Waterloo, Ia.
Moore & Munger, 29 Broadway, New York.
Moore & Richolt, Wichita Falls, Tex.
Moore & Richter Lbr. Co., masons' & bldrs.' matls., La Porte, Ind.
Moore & Thompson Paper Co., Bellows Falls, Vt.
Moore & White Co., The, 15th St. and Lehigh Ave., Philadelphia, Pa.
Moore & Wyman Elev. & Mach. Wks., 72 Granite St., Boston, Mass.
Moore, Arthur J., clothes baskets, lbr., etc., Wells River, Vt.
Moore, B. F., overalls, Newport, Vt.
Moore, Benj., & Co., yacht sails, tarpaulins, wagon covers, etc., 27 South, New York.
Moore Bros., brick, Akely, Minn.
Moore Bros. (Crane Mfrs.), 39 S. La Salle St., Chicago.
Moore Bros., files, auger bits, etc., Jamestown, N. Y.
Moore Bros. Lighting Rod Co., Maryville, Mo.
Moore Bros., 326 W. 17th St., Indianapolis, Ind.
Moore Bros. Co., 47 Bond St., Elizabeth, N. J.
Moore Bros. Co. (Soap Dispensers), 154 Chambers St., New York.
Moore Bros. Electric Co., Inc., Dallas, Tex.
Moore Bros. Inc. (Lbr.), 202 11th Ave., New York.
Moore, C. C., bobbins, pegs (shoe), Lisbon, N. H.
Moore, C. H., machinist, Toledo, Ohio.
Moore, Chas. P., shelf hdwe. boxes, Ravenswood, W. Va.
Moore, C. & Co., 506 Market, Phila., Pa.
Moore Co., Franklin, Winsted, Conn.
Moore Co., George W., 2144-52 Fulton St., Chicago.
Moore Co., H. A., Rochester, N. Y.
Moore Co., J. W., 143 Allens Ave., Providence, R. I.
Moore Combination Stores, whol. hdwe., Welch, W. Va.
Moore Corp., John C., 67 Stone St., Rochester, N. Y.
Moore, Dan'l E., sash, door & blind mfrs., Geneva, N. Y.
Moore Dry Dock Co., Balfour Bldg., San Francisco, Calif., & Oakland, Calif.
Moore Dry Kiln Co., North Portland, Ore.
Moore Drop Forging Co., 38 Walker St., Springfield, Mass.
Moore, E. C., & Son Co., metal polish, 11 Elizabeth W., Detroit, Mich.
Moore-Eastwood Mfg. Co., 114 E. 4th St., Dayton, O.
Moore, Edgar M., & Co., steel struct. work, Farmers' Bank Bldg., Pittsburgh, Pa.
Moore, Edwin A., auto bodies, Reading, Pa.
Moore Engineering Co., Hagerstown, Md.
Moore, Geo. W., 44 Farnsworth St., Boston, Mass.
Moore, Frank K., Co., machy. dlrs., 19 Federal, Boston, Mass.
Moore, Fred'k E., sash, door & blind mfr., Williamstown, Mass.
Moore, G. W., & Co., masons' & bldrs.' matls., Moore, Pa.
Moore, G. W., Constr. Co., Dallas, Texas.
Moore, Geo. A., & Co., grain bags, 212 California, San Francisco, Calif.
Moore, Geo. C., cotton waste, North Chelmsford, Mass.
Moore, H. E. & J. O., 208 S. La Salle St., Chicago.
Moore-Hagerty Lumber Co., Hattiesburg, Miss.
Moore Hardware & Iron Co., The, 1529 15th St., Denver, Colo.
Moore, J. & I. E., Warren, Mass.
Moore, J. C., Co., parquet floors, 2025 N. 62nd, Philadelphia, Pa.
Moore, J. E., Lbr. Co., Mt. Grove, Va.
Moore, J. J., & Son, flour mills, Murray, Ky.
Moore, J. K., granite & stone producers, Bloomington, Ill.
Moore, J. M., advertising novelties, signs, etc., 435 Peyton blk., Spokane, Wash.
Moore, J. N., lumber, Kelso, Wash.
Moore, J. W., Mach. Co., Spring & Second, Everett, Mass.
Moore, John V., & Co., architect, McClelland Bldg., Lexington, Ky.
Moore-Keppel & Co., lbr., Ellamore, W. Va.
Moore, L. E., Stove Co., Hibernia Bldg., New Orleans, La.
Moore, L. F., masons' & bldrs.' matls., Lancaster, N. H.
Moore Leather Co., 95 South St., Boston, Mass.
Moore-Leland Paint & Oil Co., Charleston, S. C.
Moore Lime Co., Richmond, Va.
Moore, M. A., Co., masons' & bldrs.' matls., LeMars, Ia.
Moore Machy. Co., 213 Guilford av., Baltimore, Md.
Moore Mfg. Co., port. fireproof garages, Waterloo, Iowa.
Moore Mfg. Co., spring beds, Muncie, Ind.
Moore Mfg. Co., 2667 E. Grand Blvd., Detroit, Mich.
Moore Mfg Co., Springfield, Mo.
Moore-Marshall Lumber Co., Meridian, Miss.
Moore-Master Mfg. Co., 8445 N. Western Ave., Chicago.
Moore Mill & Lbr. Co., Bandon, Ore.
Moore Motor Vehicle Co., Danville, Ill.
Moore-Noble Foundry Co., castings, 17th & Texas, San Francisco, Calif.
Moore Oil Refining Co., The, York & McLean Ave., Cincinnati, O.
Moore Peg Co., Lisbon, N. H.
Moore Pen Co., The, 110-114 Federal St., Boston, Mass.
Moore Plow & Implement Co., Greenville, Mich.
Moore-Prince & Co., turpentine, Pelham, Ga.
Moore Push-Pin Co., 133 Berkeley st., Philadelphia, Pa.
Moore, R. P., Milling Co., flour, Princeton, Ind.
Moore Shipbuilding Co., Oakland, Cal.
Moore Shipbuilding Co., see Moore Dry Dock Co. (successor).
Moore Steam Turbine Corp., Wellsville, N. Y.
Moore, T. F., Co., advtg. novelties, 19 W. 44th, New York.
Moore, Thos. J., machsts. & fndrs., Blossburg, Pa.
Moore Truck & Mfg. Co., barrel, Trenton, Mich.
Moore, W. E., & Co., engineers, Union Bldg., Pittsburgh, Pa.
Moore, Warner & Co., masons' & bldrs.' matls., 17th, Richmond, Va.
Moore Wool Scouring Mills, Geo. C., Chelmsford, Mass.
Moore-Young Construction Co., Waterloo, Iowa.
Moores-Bode Gravel Co., Tara & Geneva, San Francisco, Calif.
Moores-Coney Co., St. Paul Bldg., Cincinnati, O.
Moores Lime Co., Springfield, O.
Moore's, Roger, Sons & Co., masons' & bldrs.' matls., Wilmington, N. C.
Moore's Telephone System, Caro, Mich.
Mooresville Cotton Mills, Mooresville, N. C.
Moorhead, A. R., masons' & bldrs.' matls., Walton, Kan.
Moorhead Bros. & Co., Sharpsburg, Pa.
Moorehead, J. R., Lumber Co., Lexington, Mo.
Moorhouse, G. W., oil supplies, Kinzua, Pa.
Moorhouse Paper Co., R. T., 2655 Bridge St., Philadelphia, Pa.
Moorman, A., & Co., architects, 501 Minneapolis, St. Paul, Minn.
Moorman, Eli S., & Son, boat oars & lbr., Plaquemine, La.
Moormon Bros. Co., contractors, Lynchburg, Va.
Moosic Mfg. Co., canvas gloves, Moosic, Pa.
Morales, M., bits & spurs, 5 Union av., Portland, Ore.
Moran & Hastings Mfg. Co., 16-18 W. Washington Blvd., Chicago.
Moran & Macnair, elec. light fix. mfrs., 72 W. Lake, Chicago, Ill.
Moran Boiler Co., steam htrs., Hopkins, Minn.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
Moran Bros., flour, Bonne Terre, Mo.
Moran Co., see Virden Packing Co. (successor).
Moran, D. E. & J. F., carriages, New London, Conn.
Moran, D. W., stone producers, wkrs. & dlrs., 270 Burnside av., New York.
Moran Flexible Steam Joint Co., 217 W. Main S., Louisville, Ky.
Moran Improvement Co., contrs., Monad Bldg., San Francisco, Calif.
Moran, John, & Son, bags & bagg'g, 213 Franklin, New York.
Moran Mfg. Co., 2763 1st St., Seattle, Wash.
Moran, P. J. (Contractor), Salt Lake City, Utah.
Moran Paint & Oil Co., 383 Branman, San Francisco, Calif.
Moran, Patrick, machsts. & fndrs., Grafton, W. Va.
Moran, Robert, ship bldrs., Rosario, Wash.
Morandi-Proctor Co., steel ranges, 86 Washington, Boston, Mass.
Moratz, Paul O., flooring oak, Bloomington, Ill.
Morava Construction Co., 122 S. Michigan Ave., Chicago.
Moraw Bldg. Co., contrs., 6449 So. Park av., Chicago, Ill.
Morawetz Co., auto. gloves, 217 E. Water, Milwaukee, Wis.
Morck Brush Mfg. Co., 8th & Tehama, San Francisco, Calif.

MORDEN FROG & CROSSING WORKS, 1873, 208 S. La Salle St., Chicago.
Pres.—Irving T. Hartz.
V. P.—Arthur C. Smith.
Treas. & Asst. Sales Mgr.—W. Homer Hartz.
Sec. & Asst. Treas.—J. F. Karcher.
Works—Chicago Heights, Ill.
St. Paul, Minn.—Paul J. Kalman.

Morden Mfg. Co., Waterbury, Conn.
Moreau, J. J., & Son, mill & factory supplies, Manchester, N. H.
Moreau, Theda F., & Co., contrs., 486 Lisbon, Lewiston Me.
Moree, Wm. B., Lbr., Co., Rochester, N. Y.
Morehead Mfg. Co., Warren & Grand River, Detroit, Mich.
Morehouse & Wells Co., Decatur, Ill.
Morehouse Mustard Mills, canned goods, 1138 San Fernando rd., Los Angeles, Calif.
Morehouse Bros. Co., sash, door & blind, Meriden, Conn.
Morehouse Mfg. Co., sodium bicarbonate, Savannah, Ga.
More-Jonas Glass Co., Inc., Bridgeton, N. J.

MORE-JONES BRASS & METAL CO., 3132-3144 N. Broadway, St. Louis, Mo.
Pres. & Gen. Mgr.—John B. Strauch.
V. P.—S. W. Crawford, Thos. H. Wright; Albert Y. Evins.
Secy.—R. S. Herman.
Treas.—Joseph A. Neuwirth.
Jos. J. Brouk, Geo. K. Gilbert, Ben Lehman, George Magee, Wm. H. Bles, Walter Schmitz, E Price Field, W. A. Handlan, Lawrence Rielly, Roy Hessler, Allen McMahon.

Morel Bros., machsts. & fndrs., Wolcottville, Ind.
Morel Foundry Corp., 33 W. Spokane av., Seattle, Wash.
Moreland, H. D., Co., contractors, 3701 Sheffield av., Chicago, Ill.
Moreland Motor Truck Co., Burbank, Calif.
Moreland Motor Truck Co., 2325 S. Main St., Los Angeles, Cal.
Morell, Jas., machsts. & fndrs., Van Buren, Ark.
Morency-Van Buren Mfg. Co., machsts. & fndrs., Sturgis, Mich.
Morene Products Co., Inc., 245 W. 28th St., New York.
Moreng, Jos., Iron Wks., 208 E. 19th, New York.
Moreno-Burkham Constr. Co., Syndicate Trust Bldg., St. Louis, Mo.
Morenus, E., Co., thermometers, Cleveland, N. Y.
Moresi, Antoine, Co., Ltd., Jeanerette La.
Morey & Co., East Cambridge, Mass.
Morey & Company, Inc., (Machy. & Supplies), Broome & Lafayette Sts., New York.
Morey, Alex W., machsts., Troy, N. Y.
Morey, Clarence E., organs, Utica, N. Y.
Morey Clay Products Co., Ottumwa, Ia. Successors to Ottumwa Brick & Constr. Co.
Morey Flux & Chemical Co., Parkersburg, Chester Co., Pa.
Morgan & Allen Co., Jewelers Bldg., San Francisco, Cal.
Morgan & Co., W., Monad. Bldg., San Francisco, Cal.
Morgan & Hamilton Co., 1400 N. 8th av., Nashville, Tenn.
Morgan & Horton, masons' & bldrs.' matls., Jackson, Ohio.
Morgan & Humiston Co., The, 30-42 Prout St., New Haven, Conn.
Morgan & West Box Co., Madison, Ark.
Morgan & Williams Co., carriages, Warren, Ohio.
Morgans & Wilcox Mfg. Co., machsts., Middletown, N. Y.
Morgan & Wright, Inc., 6600 E. Jefferson st., Detroit, Mich.
Morgan, A. J., Coal Co., Bellaire, Ohio.

MORGAN ADVTG. AGENCY, INC., JOHN J., 31 St. James Ave., Boston, Mass.

Morgan, Austin Co., sashes, doors & blinds, Greenville, S. C.
Morgan Bros., sash, door & blind mfrs., Burlington, Vt.
Morgan Canning Co., Morgan, Utah.
Morgan Carriage Co., 1312 Water, Wheeling, W. Va.
Morgan Casket Co., 572 Park av., Brooklyn, N. Y.
Morgan Co., Oshkosh, Wis.
Morgan Co., Peoria, Ill.
Morgan Construction Co., 15 Belmont St., Worcester, Mass.
Morgan Construction Co., 225 Main St., Springfield, Mass.
Morgan Drug Co., soap, 1512 Atlantic av., Brooklyn, N. Y.
Morgan, E. E., masons' & bldrs.' matls., Ravenna, Ohio.
Morgan, E. S., machsts., Dublin, Ind.
Morgan Engineering Co., The, C. & P. Railroad & Broadway, Alliance, O.
Morgan Envelope Co., toilet paper & holders, Harrison av., Springfield, Mass.
Morgan-Gardner Electric Co., 2640 Shields Ave., Chicago.
Morgan, J. F., & Son, heaters, Lynn, Mass.
Morgan, J. M., & Co., contrs., Dept. H, Woodward Bldg., Birmingham, Ala.
Morgan, John, lbr., mfrs., Guys Mills, Pa.
Morgan, John, & Sons, stained glass, 96 5th av., New York, & 17 Union av., Brooklyn, N. Y.
Morgan, John T., & Son, flour mills, Stone Mountain, Va.
Morgan, Julia, architect, Merchants' Ex. Bldg., San Francisco, Calif.
Morgan Knitting Mills, sweaters, 577 S. 10th, Newark, N. J.
Morgan, Lbr. & Cedar Co., Oshkosh, Wis.
Morgan Lbr. & Mfg. Co., Charleston, W. Va.
Morgan Lumber & Mfg. Co., bank fixtures, Charleston, W. Va.
Morgan Lbr. Co., Madison, Ga., & Nagron, Wash.
Morgan Mach. Co., 1100 University Ave., Rochester, N. Y.
Morgan Mfg. Co., wooden handles, Wyaconda, Mo.
Morgan M.g. Co. Inc., Keene, N. H.
Morgan, O. E., lumber, Gresham, Wis.
Morgan Paint Co., Reading, Pa.
Morgan, S. A., comp. ornaments, 3343 Whittier blvd., Los Angeles, Calif.
Morgan Sash & Door Co., 2287 Blue Island Av., Chicago, Ill.
Morgan Silver Plate Co., hdwe. mfrs., Winsted, Conn.
Morgan Spring Co., 670 Golden Gate av., San Francisco, Calif.
Morgan Stanley Co., 445 W. Larned, Detroit, Mich.
Morgan Stationery Co., Div., Springfield, Mass.
Morgan Steel & Wire Co., fence staples, Kokomo, Ind.
Morgan Veneer Co., Pine Bluff, Ark.

MORGAN VISE COMPANY, 36 S. Desplaines St., Chicago.

Morgan, Wm., cornices, Mahanoy City, Pa.
Morgan Woodwork Organization, Oshkosh, Wis.
Morganite Brush Co., Inc., 519 W. 38th St., New York.
Morgan's, C., Sons, wholesale hdwe., Wilkes-Barre, Pa.
Morgan's Sons Co., Enoch, 439 West St., New York.
Morgenstern & Brill, advert. nov. & specialties, 26 W. 17th, New York.
Morgenstern & Co., pharmaceuticals, 31 Park pl., New York.
Morganthaler's Sons, Jacob, 663 Sackett, Brooklyn, N.Y.
Morgantown Brick Co., Morgantown, W. Va.
Morgantown Hardware Co., cornices & skylights, Morgantown, W. Va.
Morgantown Packing Co., canned goods, Morgantown, Ind.
Moriarty Bros., cornices & skylights, South Hadley Falls, Mass.
Moriarty, E. A., cornices, Torrington, Conn.
Moriarty, G. J., range boilers, 28 Harvard, Boston, Mass.
Moriarty, W. H., lbr., Waitsfield, Vt.
Morimura Bros. (Importers), 55 W. 23rd St., New York.
Morin Saw Gauge Mfg. Co., Seattle, Wash.
Morison & Co., W. K., Minneapolis, Minn.
Morison Bros., fertilizer mfrs., Bangor, Me.
Moritz, F. G., masons' & bldrs.' matls., Pabst Bldg., Milwaukee, Wis.
Moritz, Isaac, cornices & skylights, 161 E. 85th, New York.
Moritz, Sax, 336 Northern av., Cincinnati, Ohio.
Mork, P. F., fndrs., Beloit, Wis.

MORK, WALTER, cornices & skylights, Hearst & San Pablo av., Berkeley, Calif.

Morkrum Co., 1410 Wrightwood Ave., Chicago.
Morley Bros., Saginaw, Mich.
Morley Button Mfg. Co., 120 Boylston St., Boston, Mass.
Morley Button Mfg. Co., upholsterers' tacks, Portsmouth, N. H.
Morley Cypress Co., Morley, La.
Morley Machine Corp., planers, 217 N. Water, Rochester, N. Y.
Morley Machinery Corp., 792-814 St. Paul St., Rochester, N. Y.
Morlock Machine Works, Danbury, Conn.
Morlok, F., canned goods, Abingdon, Md.
Morman, S. A., & Co., machsts. & bldrs.' matls., Grand Rapids, Mich.
Morner & Smith, patterns & models, Dayton, Ohio.
Morningstar & Co., Inc., Chas., 349 Bway, New York.
Moro Stave Co., Houlka, Miss.
Moron Lumber Co., bldrs.' mtls., 33d & Chester av., Bakersfield, Calif.
Moroney Hardware Co., Dallas, Tex.
Morral Bros., machinists, Morral, Ohio.
Morral Clay Co., Morral, Ohio.
Morreau Co., The, 1303-7 Oregon Ave., Cleveland, O.

Morrell, John, & Co. canned goods & meat packers, Ottumwa, Ia.
Morrice, Wm., Co., contractors, 17 N. La Salle, Chicago, Ill.
Morrill & Morley Mfg. Co., pumps, Benton Harbor, Mich.
Morrill & Sturgeon Lumber Co., Yeon Bldg., Portland, Ore.
Morrill Co., Geo. H., Norwood, Mass.

MORRILL, INC., CHAS., 94 LaFayette St., New York, N. Y.
Pres.—Wm. C. Morrill.
Secy.—R. V. S. Morrill.
Treas.—J. A. Hurdle.

Morrill Leather Co., 66 Lincoln, Boston & Peabody, Mass.
Morrilton Cotton Oil Co., Morrilton, Ark.
Morris & Allan, Inc., contrs., Prudential Bldg., Buffalo, N. Y.
Morris & Bailey Steel Co., State St., Wilson, Pittsburgh, Pa.
Morris & Co., U. S. Yards, Chicago.

MORRIS & CO., E. K., 313 W. 2nd st., Cincinnati, O.

Morris & Co., Inc., Groveville, N. J.
Morris & Co., overalls, Eutaw & Franklin, Baltimore, Md.
Morris & Co., Packington, Oklahoma City, Okla.
Morris & Cummings Dredging Co., 15 Moore, New York.
Morris & Eckels Co., The, 400 S. Eutaw, Baltimore, Md.
Morris & Lewis, Rock Island, Ill.
Morris & Sons Co., Wm., 1000 W. 50th St., Chicago.
Morris, A. F., 417 Bryant Bldg., Kansas City, Mo.
Morris Bros., stone producers, workers & dealers, Memphis, Tenn.
Morris, C. L., masons' & bldrs.' matls., Plymouth, Ind.
Morris Canning Co., Lambertsville, N. J.
Morris, Chas. S., common brick, Berlin, Wis.
Morris China Co., potteries, Trenton, N. J.
Morris City Mills, feed & flour, Morris, Minn.
Morris Coal Corp., Citizens Bldg., Cleveland, Ohio.
Morris Co. Inc., J. O. (Self-Winding Time Switch), 1270 Broadway, New York.
Morris County Crushed Stone Co., Morristown, N. J.
Morris Cutlery Co., Morris, Ill.
Morris, E. Joy, carousels, locomotives, etc., 902 Walnut, Philadelphia, Pa.
Morris, E. S., see Morris Furniture Mfg. Co. (successor).
Morris, Elias, & Sons Co., masons' & bldrs.' matls., Salt Lake City, Utah.
Morris Fertilizer Co., Atlanta, Ga.
Morris-Flinn Co., chemists, 569 Cherry, Macon, Ga.
Morris Furniture Mfg. Co., bedroom sets, 2418 Modoc, Los Angeles, Calif.
Morris Glass Co., Inc., The, 440 Canal St., New York.
Morris, H. C., sanitary engrs., 1501 Richland, Columbia, S. C.
Morris Hdwe. Co., mill & factory supplies, Wenatchee, Wash.
Morris Hardware Corp., The, Lockport, N. Y.

MORRIS, HERBERT M., North American Bldg., Philadelphia, Pa.

Morris Hospital Supply Co., Inc., 113 E. 19th St., New York.
Morris, I. P., Co., machsts. & fndrs., Richmond & Norris, Philadelphia, Pa.
Morris, Inc., Herbert, Buffalo, N. Y.
Morris-Ireland Safe Co., 64 Sudbury St., Boston, Mass.

MORRIS, J. LESLIE CO., motor bearings, 1515 Mateo, Los Angeles, Calif.

Morris, J. S., carriages, Waupun, Wis.
Morris, John B., Fndry, Co., castings, Court & Harriet, Cincinnati, Ohio.
Morris-Jones Brown Mfg. Co., excelsior mfrs., Dubuque, Ia.
Morris-Knudsen Co., contrs., Boise, Idaho.
Morris Lumber Co., R. B., Mt. Olive, Miss.
Morris Lumber Co., Inc., J. E., White Bldg., Seattle, Wash.
Morris-McKoy Bldg. Co., contrs., Greenville, S. C.
Morris Mach. Tool Co., Court & Harriet Sts., Cincinnati, O.

MORRIS MACHINE WORKS, 60 Geneses St., Baldwinsville, N. Y.
Pres.—Winsor Morris.
V. P. & Gen. Mgr.—Carl Lager.
Pur. Agt.—J. L. Lonegan.
Branch Offices and Distributors:
CAL.—San Francisco—Harron, Rickard & McCone.
COLO.—Denver—H. W. Moore & Co.
ILL.—Chicago—Morris Machine Works, 219 N. Jefferson, Main 0348.
LA.—New Orleans—John H. Murphy Iron Works.
MASS.—Boston—Morris Machine Works, 79 Milk, Congress 1810.
MICH.—Detroit—Morris Machine Works, 824 Penob. Bldg., Cherry 4638.
MINN.—St. Paul—Robinson, Cary & Sands Co.
MO.—Kansas City—Terry Cowan & Smith, 1005 Davidson Bldg., Harrison 7387.
N. Y.—New York—Morris Machine Works, 41 Cortland, Rector 3466.
N. C.—Charlotte—Morris Machine Works, Realty Bldg.
OHIO—Cleveland—Morris Machine Works, Engineers' Bldg.
ORE.—Portland—Gordon & Finkbeiner.
PA.—Philadelphia—Morris Machine Works, 119 S. 4th St., Lombard 5248.
Pittsburgh—Harris Pump & Supply Co., 320 2nd St., Court 3802.
TEX.—Houston—H. A. Paine.
UTAH—Salt Lake City—F. C. Richmond Machy. Co.
VA.—Richmond—Morris Machine Works, 708 Mutual Bldg.
WASH.—Seattle—Vickers & Co.
Foreign:
CANADA—Toronto, Ont.—Storey Pump & Equipment Co.

Morris Machy. Co., dlrs., 99 Chestnut, Newark, N. J.
Morris Mfg. Co., caskets, etc., 7 Grant, Newark, N. J.
Morris Mfg. Co., clothes' washing mach., El Reno, Okla.
Morris Metallic Packing Co., Lehigh av. & Mutter, Philadelphia, Pa.
Morris Mill Co., J. E., 7400 Carlton St., Seattle, Wash.
Morris, P. J., Mears Bldg., Scranton, Pa.
Morris Paper Mill Co., Morris, Ill.
Morris, Philip, Advertising Service, 1st Natl. Bank Bldg., Chicago, Ill.
Morris Radio Mfg. Co., Worcester, Mass.
Morris Run Coal Mining Co., bituminous coal mine miners, Bank Bldg., Wilkes-Barre, Pa.
Morris, T. J., mill & fcty. supplies, 584 State, Springfield, Mass.
Morris, Theo. W., & Co., wholesale plate & window glass, 440 Canal, New York.
Morris, Thos., Jr. (Est. of), archl. iron, Yonkers, N. Y.
Morris Tool Co., 30 Church, New York.
Morris Truck & Wheel Co., 75th St. and Island Rd., Philadelphia, Pa.
Morris, Wheeler & Co., 30th & Locust Sts., Philadelphia, Pa.
Morrison & McIntyre, turpentine, Fort Meade, Fla.

MORRISON & RISMAN CO., THE, 1537 Bailey Ave., Buffalo, N. Y.
Cleveland, O.—1313 Union Mortgage Bldg.

Morrison Bros. Co., stone prod., 459 South, Pittsburgh, Pa.
Morrison Bros., Dubuque, Ia.
Morrison, Chas. C., Co., paint mfrs., 15 S. Clinton, Chicago, Ill.
Morrison, Charles H., canned goods, Aurora, Mo.
Morrison Co., Inc., mill & factory supplies, Richmond, Va.
Morrison Corporation, Apollo Bldg., Pittsburgh, Pa.
Morrison, D. B., Co., lumber, Morriston, Fla.
Morrison, David G., stone prod., 373 Vernon av., Long Island City, N. Y.
Morrison, F. E., Co., soap, 5730 Kingsessing av., Philadelphia, Pa.
Morrison, Frank, crates, Marion, N. Y.
Morrison, H. D., machinists, Charlotte, N. Y.
Morrison, J. L., Co., machsts., Niagara Falls, N. Y.
Morrison, J. S., Co., steel, gears, spindles, etc., Oliver Bldg., Pittsburgh Pa.
Morrison, Jas. E., Co., efficiency engnrs., Penobscott Bldg., Detroit, Mich.
Morrison, Jas. J., Mach. Co., Paterson, N. J.
Morrison, L. E., & Co., auto baskets, 27 W. Washington, Indianapolis, Ind.
Morrison Lbr. Co., J. W., Lumber Exchange Bldg., Minneapolis, Minn.
Morrison Mach. Co., 204-6 Van Houten St., Paterson, N. J.

MORRISON MACHINE PRODUCTS, INC., 15 Commercial St., Rochester, N. Y.
Pres., Treas. & Gen. Mgr.—Leon F. Morrison.

Morrison, Merrill & Co., masons' & bldrs.' matls., Salt Lake City, Utah.
Morrison Mill Co., lumber, Bellingham, Wash.
Morrison, R. W., Constr. Co., International Life Bldg., St. Louis, Mo.
Morrison-Ricker Mfg. Co., Grinnell, Ia.
Morrison Steel Products, Inc., auto parts, 26 E. North, Buffalo, N. Y.
Morrison Tent & Awning Co., 213 N. 3d St., St. Louis, Mo.
Morrison, W. E., coiled elm hoops, Poplar Bluff, Mo.
Morrison, W. H., mill & facty. supplies, Torrington, Conn.
Morrison Woolen Co., woolen flannels, Dexter, Me.
Morriss Bros., stone producers, Memphis, Tenn.
Morrissey & Co., brick, Grassy Point, N. Y.
Morrissey Carriage Co., Pueblo, Colo.
Morristown Boat & Engine Co., Morristown, N. Y.
Morrisville Fdry. Co., Morrisville, Vt.
Morrow & Licklider, masons' & bldrs.' matls., Piqua, O.
Morrow Co., hand vacuum cleaners, Waukegan, Ill.
Morrow, Jas. R., spring beds, 1113 College St., Ft. Wayne, Ind.
Morrow Mfg. Co., Wellston, O.
Morrow Packing Co., Morrow, O.
Morrow Screw & Nut Co., Ltd., John, Ingersoll, Ont., Can.
Morrow's, J., Sons, flour, Oaks, N. C.
Morrow-Thomas Hardware Co., Amarillo, Tex.
Morschhäuser, W. A., 1 Madison Ave., New York.
Morse & Co., Bangor, Me.
Morse & Co., A. N., 708 American Bank Bldg., Kansas City, Mo.
Morse & Co., Ellis W., Binghampton, N. Y.
Morse & Co., Jas. F., 66 Norfolk Ave., Boston, 19, Mass.
Morse & Son, Inc., Andrew J., 221 High St., Boston, Mass.
Morse, A. B., Co., advtg. spec., St. Joseph, Mich.
Morse, A. J., & Son, Inc., couplings, nozzles, wrenches, etc., 221 High, Boston, Mass.
Morse Bros. Machy. & Supply Co., 1732 Wazee, Denver, Colo.
Morse Bros. Machinery & Supply Co., 1732 Wazee St., Denver, Colo.
Morse-Boulger Destructor Co., 39 Cortlandt St., New York.
Morse, C. H., & Son, rubber stamps & stencils, 15 H S. Water, Rochester, N. Y.

MORSE CHAIN CO., Ithaca, N. Y.
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Boston.	Philadelphia.
Charlotte.	Pittsburgh.
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Cleveland.	San Francisco.
Detroit.	Toronto.
Kansas City.	Winnipeg.
Minneapolis.	

Morse Co., R. F. (Rubber Gaskets), 86 Weybosset St., Providence, R. I.
Morse Dry Dock & Repair Co., ft. of 56th St., Brooklyn, N. Y.
Morse, E. W., Co., mill & facty. supplies, Binghamton, N. Y.
Morse, F. W., comfort reclining chairs, 2d & Alexander, San Fernando, Calif.
Morse, Frank E., Co., masons' & bldrs.' matls., Staten Island Ferry, New York.

MORSE CO., FRANK W., 289 Congress St., Boston, Mass.

Morse, H. A., & Co., lbr. mfrs., Walpole, Mass.
Morse, H. M., & Co., architects, Finance Bldg., Cleveland, Ohio.
Morse Hardware Co., Bellingham, Wash.
Morse, L., & Sons, window ventilators, Athol, Mass.

MORSE MAGNETO CLOCK CO., 233 Broadway, New York.

Morse-Rogers Steel Co., The, 1515 Fairfield Ave., Cleveland, O.
Morse Thermo Gage Co., Ithaca, N. Y.
Morse Twist Drill & Machine Co., Pleasant st., New Bedford, Mass.
Morse, W. A., masons' & bldrs.' matls., Brattleboro, Vt.
Morse, Walter I., mill & facty. supplies, Andover, Mass.
Morse, Wm. B., Lbr. Co., Rochester, N. Y.
Morss & Whyte Co., wire cloth, coal & sand screens, foundry riddles, wire dipping baskets & wirework, Sidney & Pilgrim, Cambridge, Mass.
Morss, A. S., Co., hdwe. mfrs. (marine), 132 Federal, Boston, Mass.
Mortenson, Jacob, Lumber Co., Wausau, Wis.
Morton & Co., A. M., 25 Washington St., Boston, Mass.
Morton & Co., E. D., 516 W. Main St., Louisville, Ky.
Morton & Son Co., Jas., Omaha, Neb.
Morton & Son Co., counters, Rochester, N. Y.
Morton Bros. & Co., contractors, Washington, Ind.
Morton Bros., Granville, N. Y.
Morton, Bullock & Co., 1301 Majestic Bldg., Detroit, Mich.
Morton Canning Co., Morton, N. Y.
Morton Furniture Mfg. Co., 600 Cornelia, Berkeley, Calif.
Morton, Gregson Co., meat packers, 80 E. Jackson blvd., Chicago, Ill.
Morton, John, contr., Balboa Bldg., San Francisco, Calif.
Morton Mach'y Co., 139 N. 3rd St., Philadelphia, Pa.

MORTON MFG. CO., 5133-43 W. Lake St., Chicago.
Chicago—122 S. Michigan Ave., Denton & Anderson.
Cleveland, O.—1017 Engineers Bldg., Denton & Anderson.
Detroit, Mich.—General Motors Bldg., Denton & Anderson.
New York—50 Church St., William Wampler, G. H. Ord, H. B. Chamberlin, C. A. Koenig.
St. Louis, Mo.—Frisco Bldg., W. C. Irwin.
St. Paul, Minn.—Merchants Bank Bldg., Rank & Goodell.
San Francisco, Cal.—Monadnock Bldg., Edw. S. Sullivan.
Washington, D. C.—630 Louisiana Ave., F. N. Grigg.
Montreal, Que., Can.—205 Drummond Bldg., Moore, Cameron & Hill, Ltd.
Sheffield, Eng.—Staniforth Rd., A. G. Wild & Co., Ltd.
Winnipeg, Man., Can.—413 McIntyre Block, Moore, Cameron & Hill, Ltd.

Morton Mfg. Co., Louisville, Ky.

MORTON MANUFACTURING CO., Muskegon Heights, Mich.

Morton Oil Mills, Millen, Ga.
Morton-Pettitt Co., whol. hdwe., mill & facty. supplies, 3951 St. Clair, Cleveland, Ohio.
Morton Salt Co., soda ash, sal soda, salt mfrs., etc., 80 E. Jackson blvd., Chicago, Ill.
Morton-Simmons Hardware Co., Wichita, Kan.
Morton, Thomas, sash chains & hdwe. mfrs., 245 Center, New York.
Morton, Thos. S., & Son, machsts., Blooming Prairie, Minn.
Morton's, John, Sons Co., masons' & bldrs.' matls., 387 Carroll, Brooklyn, N. Y.
Mosaic Shade Co., 589 E. Ill., Chicago, Ill.
Mosaic Tile Co., Zanesville, O.
Mosberger Lbr. Co., 5816 Prescott St., St. Louis, Mo.
Mosby, C. V., Co., medical publisher, Metropolitan Bldg., St. Louis, Mo.
Mosby-Goodrich Constr. Co., N. Y. Life Bldg., Kansas City, Mo.
Moschel, Jacob, Sons, meat packers, 153 Peckham, Buffalo, N. Y.
Moscow Fire Brick & Clay Products Co., Moscow, Idaho.
Moscowitz, J., architect, 244 E. 15th New York.
Mosel Mfg. Corp., Kensington, Conn.
Moseley & Co., knitted gloves, Needham Heights, Mass.
Moseley & Motley Milling Co., flour Rochester, N. Y.
Moseley Lathe Co., Elgin, Ill.
Moseley Supply Co., plbrs.' supplies, Peru, Ind.
Moser & Cotins, advertising counsellors, 206-212 Paul Bldg., Utica, N. Y.
Moser, A. J., & Co., machsts. & fndrs., Berne, Ind.
Moser, Chas., Co., paints, Cincinnati, Ohio.
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Elmira—Horton Machine Works, Inc.
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Syracuse—Syracuse Supply Co.
OHIO—Cincinnati—Buckeye Products Co.
S. Obermayer Co.
Cleveland—W. M. Pattison Sup. Co.
Dayton—Manufacturers Equipment Co.
Toledo—Freeman Supply Co.
PA.—Harrisburg—Henry Gilbert & Sons.
Philadelphia—Hartz Machinery Co.
J. W. Paxson.
Pittsburgh—Colonial Supply Co.
S. Obermayer Co.
Oliver Bros., Inc.
TENN.—Memphis—Reed & Duecker.

Mullins Lbr. Co., Mullins, S. C.
Mullins Mfg. Co., cattle stanchions, feed mangers, milking machines, Brillion, Wis.
Mullins Sawmill Co., Seattle, Wash.
Mulliner Box & Planing Co., hard wood doors, Quincy, Ill.
Mullon Bros., architect'l & ornamental, 155 Union av., Brooklyn, N. Y.
Mulrein, J. H., Plumbing Supply Co., Phoenix, Ariz.
Mulrein, J. H., 1345 Howard, San Francisco, Calif.
Mulstein, Jno., Co., machsts. & fndrs., 211 3d av., Brooklyn, N. Y.
Multi-Color Copying Co., blue prints, 629 Woodward av., Detroit, Mich.
Multi Electrical Mfg. Co., fuse cutout, pin clips, wire lugs, wire bushings, conduit fittings, weather proof boxes, electric soldering irons, 1848 W. 14th, Chicago, Ill.
Multi Metal Co., Inc., 801 E. 139th st., New York.
Multi Steel Co., 253 Broadway, New York.
Multibestoes Company, Walpole, Mass.
Multicolor Sales Co., 421 S. Dearborn St., Chicago.
Multigraphing & Addressing Co., 331 4th Ave., Pittsburgh, Pa.
Multiple Electric Products Co., Inc., 450 Fourth Ave., New York.
Multiple Storage Battery Co., 555 W. 52nd St., New York.
Multiplex Concrete Machinery Co., Elmore, O.
Multiplex Display Fixture Co., 930 N. Tenth St., St. Louis, Mo.
Multiplex Faucet Co., molasses gates, St. Louis, Mo.
Multipost Co., 5 Central Park, Rochester, N. Y.
Multnomah Iron Works, 30th & Nicolai St., Portland Ore.
Multnomah Lumber & Box Co., Ft. of Bancroft, Portland, Ore.
Multnomah Metal Wks., bearing metal, 312 Front, Portland, Ore.
Multnomah Trunk & Bag Co., Portland, Ore.
Mulvaney Wall Bed & Cabinet Assn., 1706 E. 38th, Los Angeles, Calif.
Mulvey Iron Works, C., 1840 Carroll Ave., Chicago.
Mulville Bros., Alton, Ill.
Mumby Lumber & Shingle Co., Bordeaux, Wash.
Mumdorf Chain Wks., log chain, York, Pa.
Mumford Molding Machine Co., 1760 Elston Ave., Chicago. (Now Hanna Engineering Works.)
Mumford Paper Mills, Inc., Mumford, N. Y.
Mummert-Dixon Company, Philadelphia St., Hanover, Pa.
Mummert, Jonas S., machst. & fndr., Aurelia, Ia.

MUMMERT LUMBER & TIE CO., McCormick Bldg., Chicago.
Pres.—M. A. Mummert.
V. P.—T. O. Metcalfe, T. S. Wylly.
Sec.—J. J. Vranek.
Treas.—C. N. Falkenberg.
Hattiesburg, Miss.—Ross Bldg., W. H. Lee, Mgr.
Jacksonville, Fla.—510 Graham Bldg., C. J. Williamson.
New York—20 W. 34th St., T. S. Wylly, V. P. and Mgr.
Seattle, Wash.—Henry Bldg.

Mummert, W. C., & Co., veneer, Wawaka, Ind.
Muncie Boiler & Sheet Iron Wks., Muncie, Ind.
Muncie, Ind.
Muncie Bldrs. Supply Co., masons' & bldrs.' matls.,

MUNCIE CAP & SET SCREW CO., cor. Hoyt Ave. & Willard St., Muncie, Ind.
Pres.—John M. Setter.
V. P.—William Wuthenow.
Sec. & Treas.—George C. Setter.

Muncie Casket Co., Muncie, Ind.
Muncie Foundry & Mach. Co., Muncie, Ind.
Muncie Gear Wks., for automobiles, Muncie, Ind.
Muncie Lumber Co., Muncie, Ind.
Muncie Malleable Foundry Co., Dept. H., Muncie, Ind.
Muncie Mould Wks., Muncie, Ind.
Muncie Oil Engine Co., 700 S. Mulberry St., Muncie, Ind.
Muncie Wheel Co., Muncie, Ind.
Muncy Furn. Co., furniture, Dept. H., Muncy, Pa.
Muncy, Thos. F., & Son, ship bldrs., Bay Shore, N. Y.
Muncy Woolen Mills Co., woolen blankets, Muncy, Pa.
Munday Mill & Elevator Co., flour, Munday, Tex.
Munder Elec. Co., Natl. Lamp Wks. of General Electric Co., Central Falls, R. I.
Mundet & Sons, Inc., L., 461-8th Ave., New York.
Mundie, A., & Sons Co., granite, Quincy, Mass.
Mundorff Chain Works, 41-59 N. State St., York, Pa.
Mundt Sons, Chas., 53-57 Fairmount Ave., Jersey City, N. J.

MUNDY HOISTING ENGINE CO., J. S., 735 Freilinghuysen av., Newark, N. J.
Agents:
ARIZ.—Phoenix—Rosenberg & Co., 8th, Madison & Jackson.
CALIF.—San Francisco—Garfield & Co., Hearst Bldg.
COLO.—Denver—H. P. Wilson & Co., 17 & Blake.
FLA.—Jacksonville—J. G. Christopher Co.
GA.—Atlanta—Edgar Alexander, 905 Fourth Nat. Bank Bldg.
ILL.—Chicago—R. H. Hyland & Co., 221 W. Huron.
KAN. — Kansas City—Contractors Equipment Co., 1010 Kansas av.
LA.—New Orleans—Buckmaster Luck Malochee, Inc., Room E., Assn. Commerce Bldg.
Shreveport—Dixie Machinery Co., 630 Commerce.
MASS.—Boston—P. I. Perkins Co., 110 High.
MICH.—Detroit—Contractors Equipment Co., 5164 Martin av.
Grand Rapids — McMullen Machinery Co., 64 Ionia av., S. W.
MINN.—Minneapolis—Minneapolis Equipment Co. 309 5th S.
MO.—Kansas City—Contractors Machinery Co., 2643 Southwest Blvd.
St. Louis—Wm. C. Johnson Sons Mach. Co., 1001 N. Sixth.
NEB.—Omaha—Fuchs Equipment Co., 1003 Farnam.
N. Y.—Buffalo—H. W. Benkart, Lafayette Sq. Bldg.
New York City—Brown & Sites Co., 30 Church.
N. C.—Charlotte—American Hardware and Equipment Co.
OHIO—Cleveland—Tower Machinery Co., 4900 Euclid av.
Columbus — Consolidated Equipment Co., 206 Clinton Bldg.
ORE.—Portland—Coast Steel & Machinery Co., 50 First.
PA.—Philadelphia—J. Jacob Shannon Co., 1744 Market.
Pittsburgh—Somers, Fitler & Todd Co., 327 Water.
Pittston—Chas. V. Touhill.
S. C.—Charleston—Bailey Lebby Co., 182 Meeting St.
TENN.—Knoxville—W. J. Savage Co., Inc.
TEX.—Beaumont—Beaumont Export and Import Co., 401 Peristein Bldg.
Dallas—Fred B. Wright, 1125 Bush Bldg.
Houston—H. A. Paine, 502 Houston Land & Trust Bldg.
UTAH—Salt Lake City—Salt Lake Hardware Co.
VA.—Norfolk—Taylor, Parker Co., Inc., 308 Water.
Richmond—Smith Courtney Co., 7th & Bainbridge.
Roanoke—Noland Co., Inc., 11 Salem av., S. W.
WASH.—Seattle—Pacific Hoist and Derrick Co., 818 First av. S.
W. VA.—Huntington—Miller Supply Co.
Morgantown—Monongahela Supply Co.
WIS.—Milwaukee—Boehek Lowe Machinery Co., 71 W. Water.
CAN.—Montreal—F. H. Hopkins & Co., Ltd., New P. O. Box 1080.
Ottawa — General Supply Co. of Canada, 356 Sparks.

Munger & Bennett, Inc., Camden, N. J.
Munger & Munger, Inc., Pasadena, Calif.
Munger Oil & Cotton Co., meal, Mexia, Tex.
Munger-Reese Co., Inc., oil, plbrs.' & steamfitters' supplies, 811 Mateo, Los Angeles, Calif.
Munger, Walter R., Co., architects, Lyric Theatre Bldg., Cincinnati, Ohio.
Munich Studio, Inc., The, 360 W. South Water St., Chicago.
Municipal and County Engineering, 702 Wulsin Bldg., Indianapolis, Ind.
Municipal Improvement Co., contrs., Oakland, Calif.
Municipal Journal & Engin'r, trade publication, 239 W. 39th, New York.
Municipal Lighting Co., lighting fixtures, 130 E. 15th, New York.
Munising Fdy. Co., Munising, Mich.
Munising Paper Co., Munising, Mich.
Munising Woodenware Co., Piqua, Ohio.
Munkenbeck Bros., 88 Hamilton Ave., Brooklyn, N. Y.
Munkwitz, Edw. H., Co., machsts., 159 Muskego, Milwaukee, Wis.
Munn & Co., trade publications, 699 Woolworth Bldg., New York.
Munn Piano Co., Walton, N. Y.
Munn Sign & Advg. Co., Atlanta, Ga.
Munnell & Sherrell, mill supplies, 94 1st, Portland, Ore.
Munning & Company, A. P., Matawan, N. J.
Munns Kalsomine Co., E. A. (Wall Finishes, etc.), 26 Court st., Brooklyn, N. Y.
Munnsville Plow Co., Munnsville, N. Y.
Munroe & Sons Mfg. Corp., R, 22d & Smallman Sts., Pittsburgh, Pa.
Munroe Falls Paper Co., Massillon, O.
Munroe Felt & Paper Co., 70 Summer St., Boston, Mass.
Munroe, Wm. Co., sash, door & blind, 994 Scotten av., Detroit, Mich.
Munsell & Co., Eugene, 68 Church St., New York.
Munsey Shank & Counter Co., Lynn, Mass.
Munsingwear Corporation, The, 718 Western Ave., Minneapolis, Minn.
Munson & Johnson, wood mantels, Jamestown, N. Y.
Munson Bros., canned goods, Phoenix, Ariz.
Munson Bros., cornices, Connellsville, Pa.
Munson Bros. Co., common brick, Capron, Ill.
Munson Co., machsts., Grand Rapids, Mich.
Munson, E. G., (Castings) Utica, N. Y.
Munson Heater Co. (Ltd.), founders, Connellsville, Pa.
Munson-McCairns Heater & Foundry Co., Connellsville, Pa.
Munson Mill Mchy. Co., Inc., Utica, N. Y.
Munson Supply Co., 28 City Hall Place, New York.
Munson-Whitaker Co., architects, 52 Vanderbilt av., New York.
Munt, H. F., flour mills, Petersburg, Va.
Mu-Rad Radio Laboratories 802 Fifth Ave., Asbury Park, N. J.
Muralo Co., The, New Brighton, N. Y.
Murbach Coal Co., masons' & bldrs.' matls., Elyria, Ohio.
Murch Bros., Constr. Co., Railway Exch. Bldg., St. Louis, Mo.
Murch, E. R., granite prod., Hardwick, Vt.
Murchey Mach. & Tool Co., 4th & Porter St., Detroit, Mich.
Murchison, D. T., flour mills, Atwood, Tenn.
Murchison, J. W., & Co., whol. hdwe., Wilmington, N. C.
Murchison, Jno. R., steam & hot water htg. contr., 1101 Flatbush av., Brooklyn, N. Y.
Murcott & Campbell, 298 Union Ave., Brooklyn, N. Y.
Murdoch & Co., H. (Babbitt Metal), 433 Wood St., Pittsburgh, Pa.
Murdock & Geb Co., bobbin holders, Franklin, Mass.
Murdock & Jonas, see Murdock & Wilcek (successor).
Murdock & Wilcek, furn. & mattresses, 1763 E. 9th, Los Angeles, Calif.
Murdock Co., Wm. J., Carter St., Chelsea, Mass.
Murdock Constr. Co., 4611 Main, Cincinnati, Ohio.
Murdock Dishwashing Machinery Co., Marion, O.
Murdock-Dunwiddie Co., cornices, Beloit, Wis.
Murdock, E., Co., wood pails, Winchendon Mass.
Murdock, Francis W., machsts., Norway, Me.
Murdock, H., & Co., babbit metal, Sailor Bldg., Pittsburgh, Pa.
Murdock, J. M., & Bro., lumber, Johnstown, Pa.
Murdock, Kerr & Co., Inc., Strawberry & Cherry Sts., Pittsburgh, Pa.
Murdock Liquid Food Co., 80 Boylston, Boston, Mass.
Murdock Lumber Co., Washington, Ind.

MURDOCK MFG. & SUPPLY CO., THE, 426 Plum St., Cincinnati, O.
Pres. & Mgr.—John G. Murdock, Jr.
V. P. & Treas.—Kelso Murdock.
Sec.—Robert J. Murdock.
Mgr. Water Service Dept.—John C. Emdebrock.

Murdock, Reed, Co., hub caps, 127 Federal, Boston, Mass.
Murdock, W. James, Co., rubber & steel stamps, etc., 123 W. Pearl, Cincinnati, Ohio.
Murell Lthr. Goods Co., traveling bags, 27 Sudbury, Boston, Mass.
Murfreesboro Mfg. Co., pencil timber, Murfreesboro, Tenn.
Murison Label Co., San Jose, Calif.
Murkland, Jno. W., Co., confectioners' & spool machy., etc., Barton, Vt.
Murless, H. B., machsts. & fndrs., Rockville, Conn.
Murnan Ship Bldg. Corp., Mobile, Ala.

MURPHY & COMPANY, E. L., 114 W. Van Buren St., Chicago. Broker in wholesale lots of Tin, Lead, Zinc, Copper Antimony and Aluminum covering all market centers. New York correspondents, C. S. Trench & Co.

Murphy & Dane, 1 Pershing Sq., New York.
Murphy & O'Brien, coppersmiths, 5512 Detroitt, Cleveland, Ohio.
Murphy & Walsh, Pekin, Ill.
Murphy, A. F., Die & Mach. Co., cream separators, 364 Atlantic av., Boston, Mass.
Murphy, Ambrose J., archit., 146 Westminster, Providence, R. I.
Murphy, Andrew, & Son, carriages, Omaha, Neb.
Murphy Boiler Co., 3263 W. 73d, Cleveland, Ohio, & 153 Barclay, Milwaukee, Wis.
Murphy Bros., cornices, Erie, Pa.
Murphy Bros., heating contrs., Galesburg, Ill.
Murphy Bros. Co., contrs., Bowling Green, Ky.
Murphy, C., & Sons, canned goods, Rocks, Md.
Murphy Chair Co., 1813 Dime Bank Bldg., Detroit, Mich.
Murphy Chair Co., Inc., Owensboro, Ky.
Murphy, Chas. J., Paint Co., paint mfrs., 406 N. Calvert, Baltimore, Md.
Murphy, Christopher, & Co., see Columbia Chuck & Tool Co. (successors).
Murphy Co., John A., 29 Sheffield Ave., Springfield, Mass.
Murphy Co., Thomas D., 41-43 Park Row, New York.
Murphy Constr. Co., 10 Wall, New York.
Murphy, D. B., & Co., lumber, London, Ky.
Murphy, D. X., & Bro., architects, Louisville Tr. Bldg., Louisville, Ky.
Murphy Door Bed Co. of Chicago, 22 W. Monroe St., Chicago.
Murphy, F. S., Lumber Co, Quincy, Sloatt, & Monadnock Bldg., San Francisco, Calif.

Murphy Foundry Co., Beaver Falls, Pa.
Murphy, G. W. J., Co., carriages, fasteners, &c., brass & composition fndrs., Amesbury, Mass.
Murphy, Geo., Inc., lenses, 57 E. 9th, New York.
Murphy, Harry F., & Co., steam htg. contrs., 1615 Sansom, Philadelphia, Pa.
Murphy, Hugh, Construction Co., Omaha, Neb.

MURPHY, INC., CARROLL DEAN, 1601 Harris Trust Bldg., Chicago.

Murphy Iron Wks., Detroit, Mich. (Now Sanford Riley Stoker Co.)
Murphy, J. E., elec. contr., Bristol, Conn.
Murphy, J. H., stone, Burgoon, Ohio.
Murphy, J. T., cornices, Havre De Grace, Md.
Murphy, John A., Co., 126 Commonwealth, Springfield, Mass.
Murphy, John, masons' & bldrs.' matls., Holley, N. Y.
Murphy, Jno. H., New Orleans, La.
Murphy, Jos., & Son, contractors, West Hoboken, N. J.
Murphy, L. G., lbr., Converse, Ind.
Murphy, Leavens & Co., 166 Commercial St., Boston, Mass.
Murphy Mfg. Co., furn., Dept. H, Tacoma, Wash.
Murphy-McClay Hardware Co., Great Falls, Mont.

MURPHY METALS CO., 114 W. Van Buren St., Chicago.

Murphy, P. H., Co., galvanizing wks., East St. Louis, Ill.
Murphy-Rountree Co., Hurt Bldg., Atlanta, Ga.
Murphy Specialty Co., 90 2nd St., Milwaukee, Wis.
Murphy Supply Co., Green Bay, Wis.
Murphy, T. J., architect'l & ornamental iron, 619 Greenwich, New York.
Murphy, Thos. D., & Co., adv. spec., Red Oak, Ia.
Murphy Truck Co., 138 S. Gift St., Columbus, O.
Murphy Trunk Co., P. C., 506 N. 3rd st., St. Louis, Mo.

MURPHY VARNISH COMPANY, 224 McWhorter St., Newark, N. J.
Pres.—John J. Nicholson.
V. P.—Charles J. Roh.
Chicago—50 W. 22nd St.
Montreal, Can.—305 Manufacturers St., The Dougall Varnish Co., Ltd.

Murphy, W. J., harness mfr., Fort Smith, Ark.
Murphy, Walter M., Co., 55 N. Vernon, Pasadena, Calif.
Murphy, Wm. J., brass fndrs., 279 10th, Jersey City, N. J.
Murphy, Wm. M., & Son, contrs., Endicott Bldg., St. Paul, Minn.
Murphy's Sons Co., Robt., Ayer, Mass.
Murphysboro Paving Brick Co., Murphysboro, Ill.
Murrah, T. A., cornices & skylights, Union, S. C.
Murray & Co., Alex, Westerly, R. I.
Murray & Co., John A. (Pimbro. Supp.) 312 W. 39th St., New York.
Murray & Hill Co., interior finish mfrs., 1138 St. Nicholas av., New York.
Murray & Maruna, brass & composition fndrs., Saginaw, Mich.
Murray & Murray, 109 N. Water, Philadelphia, Pa.
Murray & Murray, lubrg. oils, 219 Quarry, Phila., Pa.
Murray & Patterson, canned goods, Hollins, Va.
Murray & Sorenson, flushing valves, 227 W. 17th, New York.
Murray & Tregurtha Co., boilers, marine engines & motor boats, Dept. H, Hancock, Quincy, Mass.
Murray Brick Co., Richard, Berlin, Conn.
Murray-Brooks Hardware Co., Lake Charles, La.
Murray Bros. Machine Works, 231-233 Folsom St., San Francisco, Cal.
Murray, C. E., heading, Decherd, Tenn.
Murray, C. F., & Son, stone producers, Blairsville, Pa.
Murray Cabinet & Show Case Co., 1225 E, Fresno, Calif.
Murray City Coal Co., masons' & bldrs.' matls., W. Fifth av. & H. V. Ry., Columbus, Ohio.
Murray Co., Dallas, Tex.
Murray, D. J., Mfg. Co., mill & facty supps., trimmers & lath binders, etc., Wausau, Wis.
Murray, G. M., Sons Canning Co., Odenton, Md.
Murray, H. J., mill & facty. supplies, 85 Warren, New York.
Murray, Hy., Co., stone producers, 421 Boylston, Boston, Mass.

MURRAY IRON WORKS COMPANY, Burlington, Ia.
Pres.—Geo. G. Highee.
V. P. and Treas.—F. A. Millard.
Secy.—C. H. Schroder.
Asst. Secy. & Treas.—M. E. Finck.
Representatives:
ILL.—Chicago—S. C. Orrell, 1215 Conway Bldg., Franklin 1181.
IA.—Des Moines—H. M. Jones, Hotel Elliott.
MO—Kansas City—W. O. Everett, Hotel Savoy, Main 3575.
N. Y.—New York—Paul Bigelow, 39-41 Cortland St., Rector 2098.
PA.—Philadelphia—W. M. Jackson, Bourse Bldg., Lombard 0490.

Murray, Jas. T., masons' & bldrs.' matls., Troy, N. Y.
Murray, Jas. T., & Sons, steam htg. contrs., 99 Main, Hartford, Conn.
Murray, Jno. A., machsts. & fndrs., 112 Front, Brooklyn, N. Y.
Murray, Jos., & Co., stone producers, wkrs. & sand, etc., dlrs., 263 av. C, New York.
Murray, L. A., & Co., school furniture, Kilbourn, Wis.
Murray Leather Co., Woburn, Mass.
Murray Mfg. Co., Newnan, Ga.
Murray Martin & Co., contrs., Troy, N. Y.
Murray-Mylres Machine Co., Antigo, Wis.
Murray Oxygen Co., 449 W. 53d, New York.
Murray, P. A., & Co., Newton, Mass.
Murray Pump & Valve Mfg. Co., The, New Lexington, Ohio.
Murray, Richard, Brick Co., Berlin, Conn.
Murray, Robt., whol. hdwe., 85 Warren, New York.
Murray Roofing Tile Co., Cloverport, Ky.
Murray Sales Co., W., Murray, Detroit, Mich.
Murray, Thos., masons' & bldrs.' matls., Warren, O.
Murray, W. B., gas engines, N. Winchester & Wabansia avs., Chicago, Ill.
Murray, Williams, & Co., flour, Maiden, N. C.
Murray Wire Co., see Bridgeport Screw Co. (successor).
Murrell Mfg. Co., signs, metal, Long Island City, N.Y.
Murrelle Lumber Co., L. D., Exchange Bldg., Memphis, Tenn.
Murrie & Co., engnrs., 52 B'dway, New York.
Murrie & Ott, (Tools), La Crosse, Wis.
Murrill & Keizer, machsts., 206 N. Holliday, Baltimore, Md.
Murry Construction Co., Sikeston, Mo.
Murry, Frank E., Contr. Co., Portchester, N. Y.
Murta-Appleton & Co., mill & facty. supplies, 12th & Sansome, Philadelphia, Pa.
Murta, John, Glass Co., windshields, 1368 Wall, Los Angeles, Calif.
Murtagh, P. J., contractor, Malone, N. Y.
Murtaugh Elevator Co., 535 W. 33rd St., New York.
Murtfeldt, W. A., Co., contractors, 77 Summer, Boston, Mass.
Murtha & Schmoll Co., masons' & bldrs.' matls., 814 E. 14th, New York.
Muscatine Lumber & Coal Co., Muscatine, Ia.
Muscle Builder Kar Co., children's vehicles, 228 Waller, San Francisco, Calif.
Muscle Shoals Lumber Co., Florence, Ala.
Muscogee Mfg. Co., tickings, Columbus, Ga.
Muscongus Lbr. Co., Bristol, Me.
Muse, A. W., & Co., fertilizer, Albany, Ga.
Muse, R. L., lbr., Walnut Ridge, Ark.
Musgrave Leather Co., hame strings, 414 N. Front, Baltimore, Md.
Musgrove, N. C., flour mills, Grafton, W. Va.
Mushet, W. E., Co., drain tile, fire brick & sand, sewer pipe, etc., 502 Mission, San Francisco, Calif.
Music Table Co., mfrs. phonographs, Greenfield, Ohio.
Music Trade Review, 383 Madison av., New York.
Musicnote Roll Co., Dixon, Ill.
Muskegon Aluminum Fdy. Co., Muskegon, Mich.

MUSKEGON BOILER WORKS, Muskegon, Mich.
Pres.—C. L. Stevens.
V. P. & Gen. Mgr.—R. E. Ashley.
Sec. & Treas.—S. C. Eyke.

Muskegon Engine Co., auto bldrs., motor trucks, Muskegon, Mich.
Muskegon Extract Co., Muskegon, Mich.

MUSKEGON MOTOR SPECIALTIES CO., Muskegon, Mich.
V. P. & Engr.—Wilson McLaughlin.
Secy. & Treas.—F. C. Whitney.
San Francisco, Cal.—433 California St., C. W. Whitney Co.

Muskegon Valley Furn. Co., Dept. H, Muskegon, Mich.
Muskingum Coffin Co., Zanesville, Ohio.
Muskingum Valley Fertilizer Co., Marrietta, Ohio.
Muskoda Sand Co., Moorhead, Minn.
Muskogee Hardware Co., Muskogee, Okla.
Muskogee Iron Wks., Muskogee, Okla.
Muskogee Lbr. Co., Muskogee, Okla.
Muskogee Pattern Wks., Muskogee, Okla.
Muskogee Refining Co., petroleum & its products, Muskogee, Okla.
Muskogee Tool Co., 6th & Elgin, Muskogee, Okla.
Muskogee Vitrified Brick Co., Muskogee, Okla
Muskopf & Irish Co., landscape archts., Boatman's Bldg., St. Louis, Mo.
Musselman & Schwarz, htg. contrs., Lancaster, Pa.
Musselman Canning Co., Biglersville, Pa.
Musser, D. B., flour mills, Atkins, Va.
Musser, H. M., umbrella handles, Lancaster, Pa.
Musser, W. H., & Son, archts., Abington, Va.
Mussillon, J. A., & Bro., machsts., Springfield, Ill.
Musso Outing Equipt. Co., San Jose, Calif.
Musson, J. W., soap, Sandusky, Ohio.
Mustard Bros., flour mills, Bland, Va.
Mustee Water Heater Co., 3409 Superior av. N. E., Cleveland, Ohio.
Musto, Jos., Sons, Keenan Co., marble importers, 535 North Point, San Francisco, Calif.
Mutch & Calder Granite Co., see Mutch & Loranger Granite Co. (successors).
Muth, Geo. F. & Co., glass, 710 13th N. W., Washington, D. C.
Mutschler, A., & H. G., machsts., Rochester, N. Y.
Mutschler Brothers Co., Nappanee, Ind.
Mutton Hollow Fire Brick Co., Woodbridge, N. J.
Mutty Co., L. J., 175 Congress St., Boston, Mass.
Mutual Auto Accessories Co., metal polish & windshields, 47 W. 63d, New York.
Mutual Bedding Mfg. Co., mattresses, 501 7th, San Francisco, Calif.
Mutual Beer Pump Co., 232 E. 47th, New York.
Mutual Box Board Co., Utica, N. Y.
Mutual Chemical Co. of America, 110 William St., New York.
Mutual Coal & Mining Co., O'Fallon, Ill.
Mutual Constr. Co., 2532 Warren, Chicago, Ill.
Mutual Elec. & Mach. Co., battery cut-out bases, nuts, switches, etc., 232 Fort, W. Detroit, Mich.
Mutual Enamel Ware Co., Alton Park, Chattanooga Tenn.
Mutual Fertilizer Co., Savannah, Ga.
Mutual Foundry & Machine Co., Inc., Hemphill Ave. Atlanta, Ga.
Mutual Guano Co., fertilizer mfrs., Ozark, Ala.
Mutual Lamp Mfg. Co., leaded glass shades, 21 E. Houston, New York.
Mutual Lumber Co., Reecoda, Wash.
Mutual Lumber Co., Buloda, Wash.
Mutual Lbr. Co., Tenino, Wash.
Mutual Machine Co., universal joints mfrs., 27 Wells, Hartford, Conn.
Mutual Manifold Co., The (Now The Baltimore Sales book Co.), 1540 Ridgely St., Baltimore, Md.
Mutual Mfg. Co., tea wagons, Dayton, Ohio.
Mutual Milling & Supply Co., flour, Harrisonburg, Va.
Mutual Mining Co., Savannah, Ga.
Mutual Motors Co., Jackson, Mich.
Mutual Motors Co., No. Tonawanda, N. Y.
Mutual Oil Co., lubrg., Mutual Bldg., Kansas City, Mo.
Mutual Phono Parts Mfg. Corp., tone arms & reproducers, 149 Lafayette, New York.
Mutual Plate & Window Glass Co., 1921 Mission, San Francisco, Calif.
Mutual Refining Co., Ltd., Warren, Pa.

MUTUAL SERVICE CORPORATION, 140 Cedar St., New York.

Mutual Supply Co., mill & facty. supps., 87 Penna av., Newark, N. J.
Mutual Truck Co., Sullivan, Ind.
Mutual Warehouse Co., fertilizer mfrs., Montgomery, Ala.
Mutual Wheel Co., Moline, Ill.
Mutual Woodworking Co., furn., 234 12th, San Francisco, Calif.
Muzzy-Lyon Co., 11031 Shoemaker st., Detroit, Mich.
Myall-Wallace Co., 559 W. Lake St., Chicago.
Mycock Mach. Wks., porcelain dies, Trenton, N. J.
Myer, Berlin F., masons' & bldrs.' matls., Towanda, Pa.
Myer-Bridges Co., corn brooms, Louisville, Ky.

MYER-MORAN CO., 522-24 East st., Baltimore, Md.

Myer, O. C., & Co., steel tanks, 30 Franklyn, Brooklyn, N. Y.
Myer, R. A., Lbr. Co., Honey Island, Texas.

MYERS & BRO. CO., THE F. E., 950 Orange St., Ashland, O.
Pres. & Gen. Mgr.—P. A. Myers.
V. P.—J. C. Myers, G. C. Myers, A. N. Myers, G. D. Myers.
Sec. & Treas.—F. B. Kellogg.

Distributing and Transfer Agencies:
Albany, N. Y.—10 Tivoli St., Albany Terminal Warehouse Co.
Cedar Rapids, Ia.—Cor. A Ave. & 4th St., Cedar Rapids Transfer Co., Inc.
Harrisburg, Pa.—21 S. 10th St., Montgomery & Co.
Kansas City, Mo.—1422 St. Louis Ave., Central Storage Co.
Milwaukee, Wis.—101 W. Water St., R. S. Wright, Agent.
New York—11 Broadway, Agar, Cross & Co., Ltd., Agents (For Export).
St. Louis, Mo.—1104 N. Levee St., The McPheeter Warehouse Co.

Distributors:
ALA.—Montgomery—Loeb Hardware Co.
ARK.—Little Rock—Crane Co.
ARIZ.—Phoenix—Pratt-Gilbert Co.
Tucson—A. Steinfeld & Co.
CALIF.—Los Angeles—Shaw-Palmer-Bakewell Co.
Sacramento—Thomson-Diggs Co.
San Francisco—Baker, Hamilton & Pacific Co.
Pacific Pump & Sup. Co. (Power Pump.)
COLO.—Denver—M. J. O'Fallon Supply Co.
FLA.—Miami—Cameron & Barkley Co.
Tampa—Cameron & Barkley Co.
Knight & Wall Co.
GA.—Albany—Albany Hdwe. & Mill Sup. Co.
Augusta—H. C. Tennent Supply Co.
Macon—Taylor Iron Works.
Valdosta—Strickland Hdwe. Co.
IA.—Sioux City—Crane Co. (Pump).
Knapp & Spencer Co.
KAN.—Atchinson—Blish, Mize & Stilliman Hdwe. Co.
Wichita—Crane Co.
ME.—Bangor—C. M. Conant Co.
Lewiston—Haskell Implement & Seed Co.
Portland—W. L. Blake & Co.
Edwards & Walker.
Kendall & Whitney.
MASS.—Boston—Jos. Breck & Sons Corp.
J. Comer Jones Power & Pump Co.
Worcester—Central Supply Co.
MINN.—Duluth—Crane Co. of Minn.
Minneapolis—Janney, Semple, Hill & Co.
St. Paul—Crane Co. of Minn.
Winona—Crane Co. of Minn.
MO.—Kansas City—Crane Co.
Townley Metal & Hdwe. Co.
Springfield—Cooper Supply Co., Harry.
MONT.—Billings—Crane Co. of Minn.
Great Falls—Crane Co. of Minn.
Kalispell—Kalispell Mercantile Co.
Missoula—Missoula Mercantile Co.
NEB.—Omaha—Crane Co.
Lee-Coit-Andreesen Hdwe. Co.
N. H.—Somerworth—Brackett, Shaw, & Lunt Co.
Lunt Co.
N. MEX.—Albuquerque—M. O'Fallon Supply Co.
N. Y.—New York—J. S. Woodhouse Co.
Watertown—W. W. Conde Hdwe. Co.
Hunting Supply Corp.
N. C.—Charlotte—Hackney Bros. Co.
N. D.—Fargo—Crane Co. of Minn
OKLA.—Oklahoma City—Crane Co.
ORE.—Portland—Mitchell, Lewis & Staver Co.
S. C.—Charleston—Cameron & Barkley Co.
S. D.—Aberdeen—Crane Co. of Minn.
Jackoon Hdwe. Co.
TENN.—Jackson—Southern Supply Co.
Knoxville—Crane Co.
Memphis—Crane Co.
TEX—Dallas—Briggs-Weaver Machy. Co.
Houston—F. W. Heitmann Co.
Peden Iron & Steel Co.
Waco—McLendon Hdwe. Co.
UTAH—Salt Lake City—Consolidated Wagon & Mach. Co.
WIS.—Green Bay—Morley-Murphy Hdwe. Co.
CANADA—Calgary, Alberta—J. H. Ashdown Hdwe. Co.
Vancouver, B. C.—E. G. Prior Co., Ltd.
Victoria, B. C.—E. G. Prior Co., Ltd.
Winnipeg, Man.—J. H. Ashdown Hdwe. Co.
Truro, N. S.—H. H. Dryden.
London, Ont.—Empire Mfg. Co.
Wood-Valance & Co.
Summerside, P. E. I.—R. T. Holman.
Montreal, Que.—Lewis Bros., Ltd.
Saskatoon, Sask.—J. H. Ashdown Hdwe. Co., Ltd.

Myers & Co., Geo. T., Colman Bldg., Seattle, Wash.
Myers & Co., Inc., G. A., Paterson, N. J.
Myers & Co., Inc., M. P., (Hdw. Jobbers) Plattsburgh, N. Y.
Myers & Davis, flour mills, New Tazewell, Tenn.
Myers & Mahoney Plumbing Co., Portland, Me.
MYERS-BEESON-GOLDEN, INC., Adv. agencies, 605 2nd Nat'l Bank Bldg., Toledo, Ohio.
Myers Bros., furnaces, Dover, Ohio.
Myers, C. A., Awl Co., harness awls, 6316 University av., Chicago, Ill.
Myers, C. B., Constr. Co., Atlanta, Ga.
Myers, C. H., machsts. & fndrs., Le Roy, Ill.
Myers Carriage Co., Franklin, Pa.
Myers Co., Elwood, The, Springfield, O.
Myers Construction Co., Merchants Laclede Bldg., St. Louis, Mo.
Myers, E., Lye Co., mfrs., 3d & Clark, St. Louis, Mo.
Myers, E. A., Co., auto bldrs., 4101 Senate, Pittsburgh, Pa.
Myers, E. H., machst., Myerstown, Pa.
Myers Hardware Co., Lexington, Va.
Myers, J. E., masons' & bldrs.' matls., Penns, Station, Pa.
Myers, Jacob, Sons Co., contrs., Witherspoon Bldg., Philadelphia, Pa.
Myers, L. E., Co., contrs., 53 W. Jackson blvd., Chicago, Ill.
Myers Machine Co., Sheboygan, Wis.
Myers Machine Tool Co., Columbia, Pa.
Myers Mfg. Co., Camden, N. J.
Myers Mfg. Co., druggists' rubber gds., Fremont, Ohio.
Myers, Nathan, archt., 60 W. 25, New York.
Myers, R. H., second-hand barrels, 2689 E. 40th, Cleveland, Ohio.
Myers, R. M., & Co., pads & tablets, Rochester, N. Y.
Myers-Spalti Mfg. Co., mattresses, Houston, Tex.
Myers Stave & Mfg Co., The, Piggott, Ark
Myers-Whaley Co., Proctor Addition, Knoxville, Tenn.
Myerson, Joseph, 411-13 Atlantic Ave., Boston, Mass.
Myerstown Fdy. & Mfg. Co., Myerstown, Pa.
Myles Salt Co. (Ltd.), 713 Whitney, Central Bldg., New Orleans, La.
Myrick Machine Co., Olean, N. Y.
Myrtle Desk Co., High Point, N. C.
Myrtue Bros., contrs., Council Bluffs, Iowa.
Mysell-Rollins Bank Note Co., 33 Clay St., San Francisco, Calif.
Mystic Milling Co., flour, Sioux City, Iowa.

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Mystic Mit Co., Inc., pot cleaners, 250 Main, Orange, N. J.
Mystic Rubber Corp., West Medford, Mass.
Mystic Woolen Co., Old Mystic, Conn.
N. & M. Lumber Co., Rochester, Wash.
N. & S. Engine Co., Inc., 1144 Elliott av. W., Seattle, Wash.
N. & S. Foundry Co., machsts. & fndrs., Seattle, Wash.
N. C. Reed Co., refrigerators, 65 Atlantic av., Boston, Mass.
N. C. Steel & Iron Co., Salisbury, N. C.
N. E. Bolt & Steel Co., Everett, Mass.
N. E. Foundry Machy. Co., grey iron castings, Brockton & Campbells, Mass.
Nachod Signal Co., Inc., Highland Park, Louisville, Ky.
Nachtegall Mfg. Co., Dept. H, Grand Rapids, Mich.
Nack Carriage & Wagon Works, Mobile, Ala.
Nacke & Son, A., 1310 N. Lawrence st., Philadelphia, Pa.
Nacogdoches Oil Mill, fertz. mfrs., Nacogdoches, Tex.
Nacto Cleaner Corp., carbon removers & fabric cleaning compounds, 2171 Madison av., New York.
Nadawah Lumber Co., Nadawah, Ala.
Nadeau Bros., lumber, Nadeau, Mich.
Nadelman, Lesser, jewelry cases, 79 4th av., New York.
Nadler, Henry, Plaquemine, La.
Nadig, L. F., machst., Quakertown, Pa.
Nadig Mfg. Co., Chas. H., 401 Linden st., Allentown, Pa.
Nadler, Henry, machst., Plaquemine, La.
Nafra Company, Inc., 120 Broadway, New York.
Nagel-Chase Mfg. Co., 254 E. Erie St., Chicago.
Nagel Electric Co., W. G., 517 Hamilton St., Toledo, O.
Nageldinger, J., & Son, air pressure regulators, 407 E. 91st, New York.
Nager Press Sign Co., 421-5 S. Main, St. Louis, Mo.
Nagle & Son, W. E., Jenkins Arcade Bldg., Pittsburgh, Pa.
Nagle Engine & Boiler Wks., Erie, Pa.
Nagle, Geo. W., stone, Pottstown, Pa.
Nagle, John C., auto truck trailers, 117 S. 12th, Detroit, Mich.
Nagle Packing Co., meat, 27 Ward, Jersey City, N. J.
Nagle Steel Co., Inc., Pottstown, Pa.
Nagley Mfg. Co., agricultural implts., Lyons, N. Y.
Nahcotta Canning Co., So. Bend, Wash.
Nahcotta Gravel Co., Nahcotta, Wash.
Nailon Bros., Peoria, Ill.
Nairn Linoleum Co., The, Kearney, N. J.
Naismith & Son Co., Geo., 6312 Butler St., Pittsburgh, Pa.
Naknek Packing Co., 69 Main St., San Francisco, Cal.
Nalle & Co., sashes, doors & blinds, etc., Austin, Tex.
Nalle, T. E., machst., Culpeper, Va.
Namekagon Lumber Co., Cable, Wis.
Name-Plate Co., etched signs, 125H Fulton, New York.
Nametco Products Co., panel board cabinets, 401 E. 23rd, New York.
Nampa Iron Works, Nampa, Idaho.
Nanes, Nathan, second hand bags, 217 B'way, New York.
Nannen, Chas. B., & Son, machsts. & fndrs., 108 Lawrence, New York.
Nansemond Brick Corp., Norfolk, Va.
Nansen Chemical Co., Bradford, Pa.
Nansen Chemical Co., wood alcohol, Nansen, Pa.
Nansen Composition & Paint Co., 44 Pearl St., New York.
Nanz Watch Clock Co., 428 Broadway, New York, N. Y.
Naomi Canning Co., Edinburg, Ind.
Napanoch Knife Co., Napanoch, N. Y.
Napapater Lumber Co., Hight, Miss.
Napatan Co., leather, Gloversville, N. Y.
Napavine Lbr. & Mfg. Co., Napavine, Wash.
Naperville Machine Co., Inc., Naperville, Ill.
Naphtha Washing Tablet Co., see Delbare Mfg. Co. (successors).
Napier Browning Co., Inc., 105 W. 49th St., New York.
Napier Chem. Co., almond meal, 80 Pearl, New York.
Napier Iron Works, 4th & 1st sts., Nashville, Tenn.
Napier Saw Works, Inc., Middletown, N. Y.
Napoleon Cypress Co., Napoleonville, La.
Napoleon Lumber & Handle Co., Napoleon, Ohio.
Napoleon Motors Co., auto bldrs., Travers City, Mich.
Naporano, Louis, scrap rubber, 17 Van Buren, Newark, N. J.
Nappanee Lumber & Mfg. Co., silos, Nappanee, Ind.
Naramore, Edgar H., lumber mfrs., Winchester, N. H.
Nardone, Samuel, & Co., contrs., Westerly, R. I.
Narowetz Heating & Ventilating Co., 1711 Park Ave., Chicago
Narragansett Belting Co., Providence, R. I.
Narragansett Improvement Co., 104 Public, Providence, R. I.
Narragansett Mch. Co., mill & facty. supps., Pawtucket, R. I.
Narragansett Machine Co. (Wood Turner), Vale St., Providence, R. I.
Narrow Fabric Co., The, Reading, Pa.
Narrows Milling Co., flour, Narrows, Va.
Nash & Co., N. Norman, 97 Beade, St., New York.
Nash Bros., contrs., 10 S. La Salle, Chicago, Ill.
Nash, C. A., & Son, glass & sash doors & blinds, Norfolk, Va.
Nash, Caleb, iron fencing, Mt. Vernon, N. Y.
Nash-Dowdle Co., contrs., 77 W. Washington, Chicago, Ill.
Nash, E. W., Co., glue mfrs., 559 Atlantic av, Boston, Mass.
Nash Engineering Co. (Pumps), South Norwalk, Conn.
Nash-Englehardt-Silva Mfg. Co., machsts., 502 W. Santa Clara, San Jose, Calif.
Nash, F. & C. B., Co., cornices, 386 Fore av., Portland, Me.
Nash Hardware Co., Fort Worth, Tex.
Nash, Inc., Duane H., Millington, N. J. (See Bateman & Companies, Inc., New York.)
Nash, J. M., 840-848 30th St., Milwaukee, Wis.
Nash Motors Co., Kenosha, Wis.
Nash, S. H., & Sons, contrs., 499 Willis, New York.
Nashua Building Co., Nashua, N. H.
Nashua Co-operative Iron Fdy. Co., Nashua, N. H.
Nashua Granite Co., Nashua, N. H.
Nashua Gummed & Coated Paper Co., Nashua, N. H.
Nashua Machine Co., Nashua, N. H.
Nashua Mfg. Co., Nashua, N. H.
Nashua River Paper Corp., E., Pepperell, Mass.
Nashua Saddlery Hardware Co., Nashua, N. H.
Nashua Spool & Bobbin Co., Boston, Mass.
Nashua Spool & Bobbin Co., Haverhill National Bank Bldg., Haverhill, Mass.
Nashua Steam Press & Boiler Co., Nashua, N. H.
Nashua Woolen Mills, Nashua, Iowa.
Nashville Abattoir, Hide & Melting Assn., meat packers, 1416 Adams, Nashville, Tenn.
Nashville Bridge Co., Nashville, Tenn.
Nashville Builders Supply Co., Ft. Fatherland, Nashville, Tenn.
Nashville Hardwood Flooring Co., W. Washington, Nashville, Tenn.
Nashville Industrial Corp., machy. dlrs., Jacksonville, Tenn.
Nashville Machine & Supply Co., 123 3rd av., N., Nashville, Tenn.
Nashville Machine Co., Nashville, Tenn.
Nashville Press Brick Co., Nashville, Ill.
Nashville Roller Mills, flour, 101 Taylor, Nashville, Tenn.
Nashville Saddlery Co., 1702 Cedar, Nashville, Tenn.
Nashville Spring & Mattress Co., 810 8th av. N., Nashville, Tenn.
Nashville Tie Co., Commercial Club Bldg., Nashville, Tenn.
Nashville Trunk & Mfg. Co., 114 3rd av., N., Nashville, Tenn.
Nason & Co., R. N., Potrero Ave., and 15th St., San Francisco, Cal.
Nason, Fred W., Co., engines, regulators & gov. pumps, 105 W. 40th, New York.

NASON MFG. CO., 71 Fulton St., New York

Nass, Geo., & Son, lbr., Glenwood & Dauphin, Philadelphia, Pa.
Nassau Mills Corp., paper, Buck Run, Pa.
Nassau Sand & Gravel Co., 117 Battery pl., New York.
Nassau Smelting & Refining Wks., bar solder & electrotype metals, 603 W. 29th, New York.
Nassau Sponge Co., 234 W. Lake, Chicago, Ill.
Nassau Steel & Iron Works, ornamental iron & struct'l steel, 525 58th, Brooklyn, N. Y.
Nassau Sulphur Wks., brimstone, 150 B'way, New York.
Nassau Valve & Pump Corp., Rockville Center, Long Island, N. Y.
Nast Bros. Lime & Stone Co., Marblehead, Wis.
Nast, D., Machy. Co., mill & facty. supps., Bourse, Philadelphia, Pa.
Natalbany Lumber Co., Ltd., Hammond, La.
Nathan Mfg. Co., 21 E. 40th St., New York.
Nathan Novelty Mfg. Co., 2157 Prospect av., New York.
Nathan, P., & Co., furniture, 158 Hester, New York.
Natick Box & Board Co., packing boxes, mfrs., Natick, Mass.
National Abrasive Co., abrasive mfrs., 209 Washington, Boston, Mass.
National Acme Mfg. Co., 559 W. Washington, Chicago, Ill.
National Acme Co., Windsor, Vt.

NATIONAL ACME COMPANY, THE, East 131st St. & Colt Road, Cleveland, O.

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V. P. & Gen. Mgr.—N. W. Foster.
Sec. & Asst. Treas.—N. S. Rathburn.
Machy. Sales Mgr.—E. C. Woolgar.
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Agents on Pacific Coast:
Los Angeles, Cal.—845 San Fernando Bldg., W. S. Chase.
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Factories:
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National Air Cell Covering Co., (Now National Asbestos Mfg. Co.) Jersey City, N. J.

NATIONAL AIROIL BURNER CO., INC., 912 Thompson St., Philadelphia, Pa.

National Alloy Co., 1514 S. 25th St., Philadelphia, Pa
National Aluminum Co., bronze bushings, castings, solder & welding rods, Racine, Wis.
National Ammonia Co., Van Kirk, Philadelphia, Pa.
National Ammonia Co., 3600 N. Broadway, St. Louis, Mo.
National Aniline & Chemical Co., Inc., 21 Burling Slip, New York.
National Appliance Co., cooking, sterilizing, laboratory app., etc., 935 Sandy blvd., Portland, Ore.
National Appraisal Co., 261 Franklin, Boston, Mass.
National Armature & Electric Works, Bluefield, W. Va.
National Art Bronze Wks. Co., brass, bronze & aluminum castings, Pope & Carrie av., St. Louis, Mo.
National Art Glass Co., 5247 S. Green, Chicago, Ill.
National Art Wks., adv. signs, Covington, Ky.
National Asbestos Mfg. Co., Inc., 163-193 Henderson St., Jersey City, N. J.
National Asbestos Packing Mfg. Co., packing mfrs., 30 Front, New York.
National Assn. of Culvert Manufacturers, Warren, Pa.
National Automatic Knitter Co., textile machy. supplies, etc., 2725 Nutter, Philadelphia, Pa.
National Automatic Press Co., printing presses, Lehighton, Pa.
National Automatic Restaurant Equip. Co., 2119 N. Lawrence St., Philadelphia, Pa.
National Automatic Tool Co., The, 7th & South N Sts., Richmond, Ind.
National Auto Top Mfg. Co., 3900 Moneta av., Los Angeles, Calif.
National Axle Co., The, San Jose, Cal.
National Bag Co., Naperville, Ill.
National Bank Note Co., 1220 W. 6th St., Cleveland, O.
National Bedding Co., mattresses, Leavenworth, Kan.
National Bedding Co., mattresses, Sou. R. R., Memphis, Tenn.
National Belting & Salvage Co., mill & facty. supps., 245 Oregon, Milwaukee, Wis.
National Belting Co., Elyria, Ohio.
National Belting Co., Lawrence, Mass.
National Billiard Mfg. Co., 1419 Plum, Cincinnati, O.
National Binding Machine Co., 291 Broadway, New York.
National Bituminous Enamel & Paint Corp., Key Highway at Lawrence & Harvey Sts., Baltimore, Md.
National Blank Book Co., Holyoke, Mass.
National Blow Pipe & Mfg. Co., 738 Dryades St., New Orleans, La.
National Blower Pipe Co., 1127 St. Paul av., Tacoma, Wash.
National Blue Print Co., black prints & paper, 110 W. 32d, New York.
National Blue Print Co., 53 W. Jackson Blvd., Chicago.
National Blue Print Co., The, 38 S. 6th St., Philadelphia, Pa.
National Boiler Mfg. Co., 1601 Compton av., Los Angeles, Calif.

NATIONAL BOILER PROTECTOR CO., 740-41 Reibold Bldg., Dayton, O.

Pres. & Treas.—I. Harnish.
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LA.—New Orleans—908 Commercial Bldg.
MO.—Kansas City—314 Interstate Bldg.
S. C.—Greenville—Box 662.
TENN.—Chattanooga—Main and Sycamore Sts.
Memphis—337 Humbie Bldg.; 466 Randolph Bldg.

Foreign:
CHINA—Shanghai—P. O. Box 749.
CUBA—Havana—Calle Aguiar, 71, Dpto 402.

National Boiler Specialties Co., Elgin, Ill.

NATIONAL BOILER WASHING CO. OF ILLINOIS, Railway Exchange Bldg., Chicago.

Pres.—Spencer Otis.
Asst. to Pres.—L. G. Plant.
Secy. & Treas.—J. S. Maurer.

National Bolt & Nut Co., 62nd & Allegheny R. R., Pittsburgh, Pa.
National Box & Lbr. Co., 354 South St., Newark, N. J.
National Box & Specialty Co., Sheboygan, Wis.
National Box Co., W. 38th & S. Racine Ave., Chicago.
National Brake & Clutch Co., see Cork & Insert Co. (successors).
National Brake & Elec. Co., air compressors, Pacific Bldg., San Francisco, Calif.
National Brake & Electric Co., ft. of Belleview Pl., Milwaukee, Wis.

NATIONAL BRAKE CO., Inc., 890 Ellicott Sq., Buffalo, N. Y.

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Secy.—W. D. Brewster.

National Brass & Copper Tube Co., Lisbon, O.
National Brass & Copper Tube Co., 30 Church, New York.
National Brass & Copper Tube Co., 639 Mission, San Francisco, Calif.
National Brass Co., 1609 Madison St., S. E. Grand Rapids, Mich.
National Brass Mfg. Co., brass cocks, valves, etc., Rochester, N. Y.
National Brass Mfg. Co., 1115 Marshall Ave., Cincinnati, O.
National Brass Wks., Inc., castings, 2140 E. 25th, Los Angeles, Calif.
National Brick Co., 118 N. La Salle St., Chicago.
National Bridge Wks., Long Island City, N. Y.
National Bronze & Aluminum Castings Co., 974 E. Garfield, Detroit, Mich.
National Bronze & Aluminum Fdy. Co., The, 7539 E. 79th St., Cleveland, Ohio.
National Bronze Fndy., 1415 Niagara, Buffalo, N. Y.
National Broom Co., Lockport, N. Y.
National Broom Mfg. Co., 945 Sandy Blvd., Portland, Ore.
National Brush Co., Aurora, Ill.
National Builders Co., 1187 W. 11th St., Cleveland, O.
National Bldr., trade publ., 542 S. Dearborn, Chicago, Ill.
National Builders', Inc., portable houses, Saginaw, Mich.
National Building Granite Quarries Assn., Inc., 31 State, Boston, Mass.
National Bldg. Sup. Co., Garrison Bldg., Baltimore, Md.
National Bundle Tyer Co., Blissfield, Mich.
National Bush Co., 2 Rector, New York.
National Cabinet & Furniture Mfg. Co., 1531 E. 20th Los Angeles, Calif.
National Calf Skin Co., 210 South, Boston, & Peabody, Mass.
National Can Co., Boulevard and D. G. H. & M. R. R., Detroit, Mich.
National Can Co., 121 N. Caroline, Baltimore, Md.
National Canning Co., Olympia, Wash.

NATIONAL CAR COUPLER CO., 800 S. Perry St., Attica, Ind.

Pres. & Gen. Mgr.—J. W. Harrison.
V. P. & Works Mgr.—R. J. Harrison.
Sec., Treas. & Sales Mgr.—G. W. Harrison.
Pur. Agt.—W. E. Albert.

Chicago—914 McCormick Bldg.
Works:Attica, Ind., Murphysboro, Ill.
Main Office: Attica, Ind.

National Car Coupler Co., machsts. & fndrs., 332 S. Michigan av., Chicago, Ill.
National Car Seal Co., Hamilton, Ohio.
National Car Equipment Co., Railway Exchange, Chicago.
National Car Wheel Co., Keystone Bldg., Pittsburgh, Pa.
National Carbon Coated Paper Co., Sturgis, Mich.
National Carbon Company, Inc., Thompson Ave. and Orton St., Long Island City, N. Y.
National Card Mat & Board Co., 4318 Carroll av., Chicago, Ill.
National Cardoscope Co., card cases, 362 Clay, San Francisco, Calif.
National Cash Register Co., The, Main & K. St., Dayton, O.
National Casket Co., Oliver Bldg., Pittsburgh, Pa.
National Cast Iron Pipe Co., Birmingham, Ala.
National Castings Co., Marietta, Pa.
National Chain Co., College Point, Long Island, N. Y.
National Chain Co., Terry St., Belleville, N. J.
National Chair Co., Dept. H, 301 S. Main, St. Louis, Mo.
National Chemical Co., Syracuse, N. Y.
National Chemical Co., wood alcohol, Bradford, Pa.
National China Co., Salineville, Ohio.
National Clay Products Co., hollow tile, Muncie, Ind.
National Clay Refining Co., 910 Liberty Bldg., Philadelphia, Pa.
National Clay Works, Mason City, Iowa.
National Cleaner & Dyer, trade publications, 124 N. Ann, Chicago, Ill.
National Coal Co., Rockefeller Bldg., Cleveland, Ohio.
National Coated Paper Corp., 735 York Ave., Pawtucket, R. I.
National Cob Pipe Works, Union, Mo.
National Cocoanut Butter Co., soap, 25th & Adams, Tacoma, Wash.
National Collapsible Rim Corp., 250 W. 57th, New York.
National Collapsible Tube Co., 362 Carpenter St., Providence, R. I.
National Color & Chemical Wks., 12 West End av., New York.
National Co., toys & stampings, 277 Congress, Boston, Mass.
National Co., 57 N. Main, Waterbury, Conn.
National Concrete Co., 325 Lemcke Bldg., Indianapolis, Ind.

National Concrete Construction Co., Board Trade Bldg., Louisville, Ky.
National Concrete Fireproofing Co., Citizens Bldg., Cleveland, O.
National Concrete Machy. Co., Madison, Wis.
National Conduit & Cable Co., Hastings-on-Hudson, N. Y.
National Conduit & Cable Co., The, 41 Park Row, New York.
National Constr. Co., contrs., Davenport, Iowa.
National Contrg. Co., 311 Met. Life Bldg., Minneapolis, Minn.
National Contr. Co., contrs., City Bank Bldg., Evansville, Ind.
National Cooperage & Woodenware Co., Peoria, Ill.
National Coopers' Journal, 820H Witherspoon Bldg., Philadelphia, Pa.
National Copper & Smelting Co., 1895 Coltman rd., Cleveland, Ohio.
National Copper Smelting Co., 1895 Coltman Rd. Cleveland, O.
National Cornice Wks., 1327 Channing, Los Angeles, Calif.
National Cornices & Skylight Wks., 417 E. 9th, New York.
National Corrugated Culvert Mfg. Co., Warren, Pa.
National Cotton Oil Co., Montgomery, Ala.
National Crayon Co., West Chester, Pa.
National Dairy Equipment Co., Inc., 525 Whtsboro., Utica, N. Y.
National Dairy Machine Co., Goshen, Ind.

NATIONAL DECALCOMANIA CO., 252 N. 60th st., Philadelphia, Pa.

National Desk Co., Herkimer, N. Y.
National Dish Water Co., dish washing machs., Binghamton, N. Y.
National Disinfecting Co., 263 Front, New York.
National Drain Tile Co., see Streator Drain Tile Co. (successors).
National Drawn Steel Co., East Liverpool, O.
National Drop Forging Co., Dayton, O.
National Druggist, trade publications, Century Bldg., St. Louis, Mo.
National Dry Dock & Repair Co., ship bldrs., West New Brighton, S. I., N. Y.
National Dry Kiln Co., 1118 E. Maryland St., Indianapolis, Ind.
National Dump Car Co., 80 E. Jackson blvd., Chicago.
National Duplicator Co., 114 Broad, New York.
National Dust-Down Co., sweeping compounds, 102 N. 1st, Brooklyn, N. Y.
National Egg Carrier Co., Council Bluffs, Ia.
National Elec. Co., signs, Bel Air rd., Baltimore, Md.
National Electric Controller Co., 154 Whiting St., Chicago.
National Electric Lighting Co., Wilton Junction, Ia.
National Electric Novelty Co., 407 Broome, New York.
National Electric Novelty Co., 53 Walker St., New York.
National Electric Porcelain Co., Carey, Ohio.
National Electric Service Co., The, Morgantown, W. Va.
National Electric Specialty Co., Terminal Bldg., Toledo, O.
National Electric Water Heater Corp., Times Bldg., New York.
National Electrical Mfg. Co., massage vibrators, 30 Church, New York.
National Electrical Supply Co., 1330 New York Ave., Washington, D. C.
National Electrolytic Co., potash—chemicals, Niagara Falls, N. Y.
National Enameling & Mfg. Co., Renshaw Bldg., Pittsburgh, Pa.
National Enameling & Stamping Co., 411-5th Ave., New York.
National Engineer, trade publication, 417 S. Dearborn, Chicago, Ill.
National Engineering & Dry Dock Corp., Sacramento, Cal.
National Engineering & Tool Works, engine lathes, Oak Park, Ill.

NATIONAL ENGINEERING CO., 549 W. Washington Blvd., Chicago.
Pres.—H. S. Simpson.
Sec.—E. S. Pfaff.
Treas.—A. L. Scott.

National Engraving Co., The, 525 S. Dearborn St., Chicago.
National Envelope Co., Waukegan, Ill.
National Equipment Co., machsts., Springfield, Mass.
National Felt Co., Easthampton, Mass.
National Fibre & Insulation Co., see National Vulcanized Fibre Co. (successors).
National Fiberstok Envelope Co., 429-447 Moyer St., Philadelphia, Pa.
National Filter Cloth & Weaving Co., 134 Broadway, Brooklyn, N. Y.
National Fire Brick Co., see Stowe-Fuller Refractories Co. (successors).
National Fire Brick Co., Cleveland, O.
National Fire Proofing Co., fire brick, Broadway & 23rd, New York.
National Fireproof Sash & Door Co., 137 Bayard st., Brooklyn N. Y.
National Fireworks Distributing Co., 64 Sudbury, Boston, Mass.

NATIONAL FIRE PROOFING CO., 1100 Fulton Bldg., Pittsburgh, Pa.

National Fire Protection Co., 1617 Sansom St., Philadelphia. Pa.
National Fixture Co., Inc., elec. fixtures, 733 S. Broadway, Los Angeles, Calif.
National Flag Co., 1012 Flint, Cincinnati, Ohio.
National Flexible Glue Co., 169 N. Jefferson, Chicago, Ill.
National Floor Tile Co., Mobile, Ala.
National Flue Cleaner Co., Inc., Groverville, N. J.
National Flue Cleaners Co., Trenton, N. J.
National Fly Paper Co., Kenosha, Wis.
National Folding Box Co., James and Alston Sts., New Haven, Conn.
National Forge & Tool Co., Warren County, Irvine, Pa.
National Forge Co., Anniston, Ala.
National Fdry. & Mach. Co., Louisville, Ky.
National Foundry & Machine Co., Inc., Ypsilanti, Mich.
National Fdry. Co., of New York, 10 Sanford St., Brooklyn, N. Y.
National Fdry. Co., Erie, Pa.
National Fdry. Co., Inc., 24th Ave. & Park St., Milwaukee, Wis.
National Fdry. Journal, trade publications, 124 N. Ann, Chicago, Ill.
National Foundry Mfg. & Supply Co., Williamsport, Pa.
National French Fancy Nov. Co., toys, games & nov., 2058 Pitkin, Brooklyn, N. Y.
National Furnace Co., Dayton, Ohio.
National Galvanizing Co., 1918 Carroll Ave., Chicago.
National Gas Furnace Co., 9 Codding St., Providence, R. I.
National Gas Governor Co., gas regulators, 475 7th av., New York.
National Gauge & Equipment Co., La Crosse, Wis.
National Gauge Co., 168 8th St., Brooklyn, N. Y.
National Gear & Truck Wheel Corp., Fulton Bldg., Pittsburgh, Pa.
National Glass Co., 705 Blue Island av., Chicago, Ill.
National Glove Works, 1600 Powell, San Francisco, Calif.
National Glue & Gelatine Works, 12 West End av., New York.
National Glue Co., 121 Beverly St., Boston, Mass.
National Granite Co., Montpelier, Vt.
National Graphite Lubricator Co., Security Life Bldg., Scranton, Pa.
National Grinding Wheel Co., Inc., 2932 Main St., Buffalo, N. Y.
National Gum & Mica Co., 12 West End av., New York.
National Hair Cloth Co., 2950 N. Jasper St., Philadelphia, Pa.
National Hame & Chain Co., New Albany, Ind.
National Handle Co., 716 American Trust Bldg., Cleveland, O.
National Hanger & Fixture Mfg. Co., 554 Broome, New York.
National Hardware & Supply Co., Duluth, Minn.
National Hardware Bulletin, trade publication, Argos, Ind.
National Hardware Co., 327 W. 4th, Cincinnati, Ohio.
National Harrow Co., harrows & pulverizers, Le Roy, Ill.
National Heating Co., 2050 Geyser av., St. Louis, Mo.

NATIONAL HOISTING ENGINE CO., 325 Manor av., Harrison, N. J.

National India Rubber Co., Bristol, Conn.
National India Rubber Co., Wood St., Bristol, R. I.
National Indicator Co., Long Island City, N. Y.
National Inspection Co., fire extinguishers, 1617 Sansom, Philadelphia, Pa.
National Insulating & Mfg. Co., 951 S. Eastern av., Indianapolis, Ind.
National Iron & Wire Co., 3901 Hamilton Ave., Cleveland, O.
National Iron Works, fire hydrants, steel plate work, etc., foot of 7th, San Diego, Calif.
National Iron Works, Inc., archt. iron work, 710 Windsor, Hartford, Conn.
National Iron Co., Duluth, Minn.
National Jack Co., 2d & Central, Cincinnati, Ohio.
National Jewelry Case Co., 70 Exchange, Buffalo, N.Y.
National Kellastone Co., 155 E. Superior St., Chicago.
National Knitting Co., gloves, socks, 905 Clinton, Milwaukee, Wis.
National Knitting Machine Co., Inc., St. Johnsville, N. Y.
National Label Co., 181 2d av. N., Nashville, Tenn.
National Label Co., 3343 N. Carlisle, Philadelphia, Pa.
National Labeling Machine Co., 342 Vernon av., Long Island City, N. Y.
National Lamp Wks., Guards Bldg., Cleveland, O.
Nat'l Lamp Wks. of Gen. Elec. Co., Nela Park, Cleveland, O.
National Lathe Co., The, 15 W. 2nd St., Cincinnati, O.
National Laundry Machy. Co., 700 W. 22nd St., Chicago.
National Laundry Journal, trade publication, 124 N. Ann, Chicago.
National Lead Co., 820 Superior, Cleveland, Ohio.
National Lead Co. of Mass., linseed oil, 131 State, Boston, Mass.
National Lead & Oil Co. of Pa., Commonwealth Bldg., Pittsburgh, Pa.
National Lead Co., 111 Broadway, New York.
National Leather Belting Co., 423 E. 56th st., New York.
National Leather Co., 210 South, Boston, Mass.
National Leather Mfg. Co., belting, packing, loom-strapping mfrs., etc., Niles, Mich.
National Life Preserver Co., 11 Broadway, New York
National Lime & Stone Co., Carey, O.
National Limestone Co., Naginey, Pa.
National Liter Sales Co., gas & cigar lighters, Woodhaven, N. Y.
National Lock Co., Rockford, Ill.

NATIONAL LOCK WASHER CO., THE, Johnson, Hermon & Pennington Sts., Newark, N. J.
Pres.—C. H. Loutrel.
V. P.—F. B. Archibald.
Secy. & Treas.—J. D. Cowan.
Chicago—R. L. Cairncross, A. W. Preikschat.
Cleveland, O.—Stanley H. Smith.
Denver, Col.—Duncan Bond.
Detroit, Mich.—A. T. Thompson.
Nashville, Tenn.—J. J. Crawford.
New York—F. B. Archibald.
Newark, N. J.—C. C. Washer, G. La Rue Masters, J. H. Horn, F. J. Gerhard.
Richmond, Va.—R. B. Cardozo.
St. Louis, Mo.—Grayson Ry. Supply Co., A. H. Handlan.
St. Paul, Minn.—Rank & Goodell.
San Francisco, Cal.—F. F. Bodler.

National Lbr. and Mfg. Co., Hoquiam, Wash.

NATIONAL LUMBER & CREOSOTING CO., Houston, Tex.
Plants:
Houston, Tex.
Kansas City, Mo.
Texarkana, Ark.
Sales Offices:
Denver, Colo.—A. T. Herr Supply Co., U. S. National Bank Bldg.
Houston, Tex.—1114 Union National Bank Bldg.
Kansas City, Mo.—312 Railway Exchange Bldg.
St. Louis, Mo.——608 Planters Bldg.
Texarkana, Ark.—State National Bank Bldg.

National Lumber & Timber Co., 5601 Elston Ave., Chicago.
National Lumber Co., Andalusia, Ala.
National Machine & Tool Co., 253 A. St., Boston, Mass.
National Mach. Co., postage stamp affixing machines, Brattleboro, Vt.
National Machine Co., Church Wthrsfld, Hartford, Conn.
National Machine Co., Hartford, Conn. (Now Thomson-National Press Co., Inc.)
National Machine Co., 686-90 National Ave., Milwaukee, Wis.

NATIONAL MACHINE TOOL BUILDERS ASSN., 6030 Vine St., Cincinnati, O.

National Machine Tool Co., 2270-2272 Spring Grove Ave., Cincinnati, O.
National Machine Works, 1559 Sheffield Ave., Chicago.
National Machine Works, 819 Bryant, San Francisco, Calif.
National Machinery & Wrecking Co., The, 1914 Scranton Rd., Cleveland, O.
National Machy. Co., cotton machy., 11 Eddy, Providence, R. I.
National Machinery Co., Tiffin, O.
National Magnesia Mfg. Co., 544 Market St., San Francisco, Cal.

NATIONAL MALLEABLE AND STEEL CASTINGS CO., Quincy Ave. and Woodhill Rd., Cleveland, O.
Chicago—311 Railway Exchange Bldg., T. W. Alshton, R. W. Chambers, L. S. Wright, C. H. Krakau, George Rasmussen.
Cleveland, O.—W. E. Coffin, G. R. Farrell, H. T. Krakau, O. W. Loomis, S. L. Smith, Charles Gaspar, F. K. Le Vake, J. H. Merrill, J. A. Slater.
Detroit, Mich.—Dime Savings Bank Bldg., L. W. DeWitt.
Indianapolis, Ind.—S. C. Wasson.
New York—30 Church St., Benj. Nields, Jr., W. C. Lewis, F. Snyder.
Philadelphia, Pa.—E. O. Warner.
St. Louis, Mo.—Railway Exchange Bldg., Chas. H. McCrea, Elmer Fathauer.
San Francisco, Cal.—J. J. Byers.
Washington, D. C.—Munsey Bldg., G. V. Martin, H. L. Mausk.

National Mantel Co., McKeesport, Pa.
National Mfg. & Electro Plating Co., 16 Calendar, Providence, R. I.
National Mfg. & Sales Co., Toledo, O.
National Mfg. & Supply Co., plumbers, mill & facty. supplies—jobbers, 256 3d av S., Minneapolis, Minn.
National Mfg. Co., seed testers, hdwe. spec., Des Moines, Iowa.
National Mfg. Co., Sterling, Ill.
National Mfg. Co., 1926 Dime Saving Bank Bldg., Detroit, Mich.
National Mfg. Co., cooperage stock, General Motors Bldg., Detroit, Mich.
National Mfg. Co., furniture, 35 Warren, New York.
National Map Co., Murphy Bldg., Indianapolis, Ind.
National Marine Engine Works, Inc., Scranton, Pa.
National Marine Lamp Co., Forestville, Conn.
National Marine Lamp Co., 254 Pearl St., New York.
National Marking Machine Co., 1070 Gilbert Ave., Cincinnati, O.
National Match Co., Joliet, Ill.
National Mattress Co., Lynchburg, Va.
National Megaphone Co., Wakefield, Mass.

NATIONAL METAL MOLDING CO., 1405 Fulton Bldg., Pittsburgh, Pa.
Pres.—W. C. Robinson.
V. P.—C. E. Corrigan.
Sec.—O. F. Felix.
Treas.—H. H. Robinson.
Distributors:
ALA.—Birmingham—Interstate Electric Co.
Matthews Elec. Supply Co.
Moore-Handley Hdwe. Co.
Western Elec. Co.
ARK.—Fort Smith—Southern Electric Co.
Little Rock—Treadway Electric Co.
CALIF.—Los Angeles—Allied Industries, Inc.; Listenwalter & Gough.
Western Electric Co.
Oakland—Western Electric Co.
San Francisco—Allied Industries, Inc., 455-2nd Sutter 1383.
Garnett Young & Co., 612 Howard, Douglas 4220.
Western Electric Co., 680 Folsom, Sutter 6546.
COLO.—Denver—Auto Equipment Co.
T. B. Burnite.
M. L. Foss.
Foster Auto Supply Co.
Hendrie & Bolthoff Mfg. & Supply Co.
Mine & Smelter Supply Co.
Mountain Electric Co.
New England Elec. Co.
B. K. Sweeney Electrical Co.
B. C. Watts & Co.
Wesco Electric Co.
Western Electric Co.
CONN.—Hartford—Clinton L. Cole.
Hartford Electric Supply Co.
Southern New England Electric Co.
New Haven—James T. Hessel Co.
Hessel & Hoppen Co.
C. S. Mersick & Co.
Harry R. Pratt.
Western Electric Co.
Waterbury—Southern New England Electric Co.
Sprague Electric Supply Co.
DIST. OF COL.—Washington—Carroll Electric Co. Inc.
Doubleday-Hill Elec. Co.
National Electrical Supply Co.
John C. Rau.
DEL.—Wilmington—Garrett-Miller & Co.
FLA.—Jacksonville—Florida Elec. Supply Co.
Holt Elec. Co.
Western Electric Co.
Miami—Pierce Elec. Co.
Tampa—Florida Elec. Supply Co.
Pierce Electric Co.
GA.—Atlanta—H. C. Biglin.
Fulton Electric Co.
Gilham-Schoen Electric Co., Inc.
Carter Electric Co.
National Metal Molding Co.
Southern Electric Supply Co.
Western Electric Co.
Savannah—Carter Electric Co.
Western Electric Co.
ILL.—Aurora—Indiana Public Service Co.
Chicago—Harry Alter & Co., 308 Green St., Monroe 7113.
American Electrical Supply Co., 117 S. Morgan, Haymarket 3804.
I. A. Bennett & Co., 112 W. Adams, Central 4143.
Bright Light Co.
Central Elec. Co., 320 S. Wells, Wabash 2160.
Commonwealth Edison Co., 72 W. Adams, Randolph 1280.
Electric Appliance Co., 701 W. Jackson, Monroe 5020.
Englewood Electric Supply Co., 5725 S. Halsted Normal 2105.
Freeman-Sweet Co., 9 W. Illinois, Central 8030.
Hyland Electrical Supply Co., 31 N. Franklin Main 5260.
Illinois Electric Co., 314 W. Madison, Main 4450.
Inland Electric Co., 14 N. Franklin, Main 4820
Kaplan Electrical Supplies Co., 3141 W. Roosevelt, Rockwell 7109.
(Continued on following page)

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NATIONAL METAL MOLDING CO.—Continued.
Lindgren & Selomon, 9 S. Clinton, Franklin 4785.
J. Livingston & Co., 230 E. Ohio st., Superior 5009.
Manhattan Electrical Supply Co., 112 S. Wells, Franklin 2081.
Metropolitan Electrical Supply Co., 180 W. Lake, Main 4600.
Monarch Elec. & Wire Co., 622 W. Adams, Monroe 4949.
Mulconroy Co., 609 Fulton, Monroe 5549.
Ohio Distributing Co., 222 Lomax Pl., Wabash 6425.
Franklin Overbagh, 411 S. Clinton, Harrison 3329.
Public Service Co. of Northern Ill., 72 W. Adams Randolph 2510.
Otto Reiman, Inc., 115 W. Lake, Franklin 1636.
Revere Electric Co., 436 Plymouth Ct., Wabash 4314.
Steiner Elec. Co., 210 S. Desplaines, Monroe 7414.
Wabash Electric Co., 541 S. Wabash, Harrison 8669.
Western Electric Co., 500 S. Clinton, Wabash 3000.
Dixon—Illinois Northern Utilities.
Freeport—Freeport Ry. & Light Co.
Mattoon—Central Illinois Public Service Co.
Paxton—Central Illinois Utilities Co.
Peoria—Diamond Electric Supply Co.
Quincy—George B. Vasen.
Rockford—Swords Bros. Co.
IND.—Evansville—Crescent City Elec. Co.
Varney Elecl. Supply Co.
Fort Wayne—Luxam Electrical Supply Co.
National Mill Supply Co.
Protective Elecl. Supply Co.
Goshen—Goshen Electric Material Co.
Indianapolis—Central Indiana Elec. Co.
Indianapolis Electric Supply Co.
Interstate Public Service Co.
Varney Elecl. Supply Co.
Western Electric Co.
South Bend—South Bend Elec. Co.
Terre Haute—Power Supply Co.
IA.—Burlington—Modern Electric Co.
Cedar Rapids—J. B. Terry Co.
Clinton—Mississippi Electric Co.
Davenport—Republic Electric Co.
Tri-City Electric Supply Co.
Des Moines—Collins Electric Co.
Downing Elecl. Co.
Electric Contractors Supply Co.
Mid-West Electric Co.
Dubuque—Crescent Electric Supply Co.
Sioux City—Electric Contr. Sup. Co.
McGraw Co.
KAN.—Wichita—United Electric Co.
KY.—Louisville—Belknap Huwe. & Mfg. Co.
Jas. Clark, Jr., Electric Co.
Kentucky Utilities Co.
Tafel Electric Co., Inc.
Theobald-Jansen Electric Co.
Wood-Reinecke Electric Co.
LA.—New Orleans—F. J. Commagere.
Electric Appliance Co.
Electrical Supply Co.
Interstate Electric Co.
Wesco Supply Co.
Western Electric Co.
Woodward, Wight & Co.
Shreveport—Interstate Electric Co.
ME.—Augusta—Central Maine Power Co.
MD.—Baltimore—Baltimore Elecl. Supply Co.
Carroll Electric Co.
Chesapeake Electric Co.
Lee Electric Co.
Shephard-Fluhart Electric Co.
Southern Electric Co.
Western Electric Co.

MASS.—Boston—E. R. Bryant, 183 Congress, Main 6473.
Geo. H. Buckminster Co., 59 Oliver, Main 2453.
Foster McDonald Co., 176 Congress, Congress 2606.
Jos. E. Greene Co., 113 Federal, Main 7990.
F. S. Hardy & Co., 351 Congress, Congress 1528.
Lewis Elecl. Supply Co., Federal St., Main 7430.
Lockwood-Greene Co., 60 Federal, Congress 6500.
Albert Mann, 326 Congress, Congress 3710.
McKenney & Waterbury Co., Inc., 181 Franklin, Main 6977.
Pettingell-Andrews Co., 511 Atlantic Ave., Congress 4200.
R. V. Pettingell Elec. Supply Co., 51 High, Congress 0330.
Sager Electrical Supply Co., 201 Congress, Congress 3140.
James J. Shannon Co., 100 High, Main 1060.
Stone & Webster Co., 147 Milk, Congress 1660.
United Electric Supply Co., 579 Atlantic Ave., Congress 6187.
George W. Wahn Co.
Western Elec. Co.
Wetmore-Savage Co.
Brockton—Sager Elecl. Supply Co.
Dorchester—Sager Elec. Supply Co.
Lynn—Sager Elec. Supply Co.
Springfield—Chas. E. Hayes Co.
Wetmore-Savage Co.
Worcester—E. W. Hamm Electric Co.
MICH.—Battle Creek—Central Electric Co.
Bay City—Aflec Electric Co.
Thorne Electric Co.
Detroit—Automobile Equipment Co., 330 E. Congress, Cadillac 4329.
Morris Blumberg Elec. Co., 325 E. Jeff., Main 7605.
Bowman & Gould Co.
Buhl & Sons Co., Ft. of Adair, Edgewood 4000.
J. H. Busby Co., 826 Cherry, Cadillac 1242.
Cadillac Electric Supply Co., 431 Larned, Cadillac 2265.
Carr-Weller Co., 801 Larned, Main 7904.
Central Electric Co., 1514 Broadway, Main 1540.
Commercial Electric Supply Co., 138 E. Congress, Main 4668.
Crescent Electric Co., 150 E. Jeff. Main 0872.
Crook Bros. Co., 4317 Gd. River, Glendale 8772.
Crook Electric Co., 511 Gd. River, Main 3621.
Donahue & Shoebottom, 155 W. Larned, Main 1509.
Elec. Sales Co., 326 E. Adams, Main 1085.
Electrical Warehouse, Inc., 452 W. Larned, Cadillac 2314.
W. D. Gale, 1353 Gratiot, Cadillac 3115.
General Sales Co., 124 Woodward, Main 1800.
Gray Electric Co., Inc., 627 Jones, Main 1055.
Great Lakes Electric Co., 171 E. Jeff., Cadillac 4642.

NATIONAL METAL MOLDING CO.—Continued.
Max S. Grossfield Electric Co.
W. J. Hartwig Co., 127 E. Jeff. Main 4444.
Howell-Sewell, Inc., 2976 Gd. River, Glendale 3426.
Hub Elec. Co., 446 W. Jeff., Cadillac 5481.
Iron City Eng. Co., 1635 Dime Bk. Bldg., Cherry 4280.
A. T. Knowlson Co., 415 E. Congress, Main 5846.
Hiram Marks Electric Co., 304 Woodward, Cadillac 1981.
McCleary-Harmon Co., 2470 W. Gd. River, Main 0915.
A. S. McCloy, 46 Davenport, Glendale 5480.
McNaughton-McKay Elec. Co., 313 W. Jeff. Cadillac 5800.
Michigan Chandelier Co., 1745 Brush, Cadillac 3858.
John Miller Elec. Co., 1442 Randolph, Main 6048.
Miller Seldon Elec. Co., 1259 W. Park Pl., Main 6464.
Miller & York, Inc., 1523 E. Congress, Main 6745.
National Elec. Sup. & Fixture Co., 1338 Broadway, Cadillac 0088.
A. H. Nimmo Elec. Co., 856 Mich. Main 2082.
J. T. Pearson Co., 1525 Dime Bk. Bldg., Cadillac 2997.
Silberstein Electric Supply Co., 135 E. Gd. River, Cherry 1423.
Standard Bros. Hdwe. Corp.
Frank C. Toal Co., 425 Bates, Cadillac 9860.
Turner Eng. Co., 452 W. Larned, Cadillac 2314.
Victor Elec. Supply Co., 131 E. Jeff. Cherry 4166.
H. L. Walker & Co., 27 E. Jeff. Main 2803.
Western Electric Co., 1947 E. Kirby, Melrose 3321.
Westinghouse Electric & Mfg. Co., 1535-6th, Cadillac 5680.
Flint—Cummings Bros.
Flint Elec. Co.
Flint Motor Supply Co.
J. Sills Electric Co.
Grand Rapids—Ackerman Electric Co.
E. T. Cotton Electric Co.
Enterprise Electric Co.
Lewis Electric Co.
C. J. Litscher Elec. Co.
F. P. McMorrow.
Roseberry Henry Elec. Co.
Western Electric Co.
Jackson—Barker Fowler Electric Co.
Crandall Electric & Supply Co.
Lansing—Barker Fowler Electric Co.
Capitol Electric Supply Co.
H. B. Hutchings.
Lansing Elec. Eng. Co.
Lapeer—E. V. Nicholson.
Muskegon—Independent Elec. Co.
Maxwell, Manning & Moore, Inc.
Schuitema Elec. Co.
Port Huron—Snover Elec. Co.
Royal Oak—A. G. Bird.
Saginaw—A. B. Brow.
Electric Supply Co.
J. H. Gibbs.
J. Gregory Elec. Co.
Morley Bros.
Rabe Elec. Co.
Scherheim Elec. Co.
Trombley Elec. Co.

MINN.—Duluth—Duluth Elecl. Supplies Co.
Kelly-How-Thomson Co.
Northwestern Elec. Equip. Co.
Western Elec. Co.
Minneapolis—R. M. Laird Elec. Co.
Northland Elec. Supply Co.
Reinhardt Bros.
Sterling Elec. Co.
Triumph Elec. Co.
Western Elec. Co.
St. Paul—Jos. J. Bouska.
Electric Supply Co.
Farwell, Ozmun, Kirk & Co.
No. Western Electric Equip. Co.
Price Electric Co.
St. Paul Elec. Co.
Western Elec. Co.

MISS.—Jackson—Cabell-Irby Co.

MO.—Kansas City—B-R Elec. Co., 1411 Walnut, Harrison 7450.
Central States Elec. Co., 1414 Grand, Grand 4351.
Columbian Elecl. Co., 1717 Walnut, Grand 1001.
Funston Elec. Co., 1310 Wyandotte, Grand 1070.
R. W. Hodge Elec. Co., 121 W. 8th St., Main 0113.
Frank Knapp & Son Elec. Co., 1422 Main, Harrison 6520.
Satterlee Elec. Co., 1717 Walnut St., Grand 1001.
Schmelzer Co., 2015 Grand Ave., Grand 4180.
George P. Tobin, 4264 Penn., Hyde Park 8395.
Western Electric Co., 608 Wyandotte, Main 4942.
Lexington—Missouri Gas & Elec. Service Co.
St. Joseph—American Elec. Co.
St. Louis—Glasco Elec. Co., 721 N. 11th St., Olive 3866.
J. P. Lane, Chemical Bldg., Olive 9505.
Manhattan Elecl. Supply Co., Inc., 1106 Pine, Olive 5075.
McGraw Co., 2018 Locust, Bomont 3170.
Peerless Lighting Co.
Simmons Hardware Co.
Wesco Supply Co., 7th & Clark, Main 3470.
Western Elec. Co., 3900 Chouteau, Grand 8200.

MONT.—Butte—Butte Elec. Sup. Co.
George P. Coughlin & Co.
Electrical Equipment Co.
Montana Electric Co.
Great Falls—Montana Electric Co.

NEB.—Lincoln—Enterprise Elec. Co.
Korsmeyer Co.
Nebraska City—Water & Light Co.
Omaha—Grandon Electric Co.
McGraw Co.
Mid-West Electric Co.
Western Elec. Co.

N. J.—Jersey City—Hudson Elecl. Sup. & Equip. Co.
Newark—Beller Elec. Sup. Co.
Krich Light & Electric Co.
Newark Elecl. Supply Co.
Parr Elec. Co.
Tri-City Elec. Co.
Western Elec. Co.
Trenton—F. S. Katzenbach & Co.
Trenton Electric Supply Co.

NATIONAL METAL MOLDING CO.—Continued.
N. Y.—Albany—Electric Supply & Equip. Co.
Esco Elec. Supply Co.
Havens Electric Co., Inc.
Binghamton—Bunnell-Stevens Co., Inc.
Southern Tier Elecl. Sup. Co.
Brooklyn—Brooklyn Elecl. Supply Co.
Erie Elecl. Supply Corp.
Progress Elecl. Supply Co.
Western Elec. Co.
Buffalo—C. V. Carpenter, 355 Huntington, Crescent 2371-W.
McCarthy Bros. & Ford, 75 W. Mohawk, Seneca 8500.
Robertson-Cataract Elec. Co., 126 S. Elmwood Ave., Seneca 5100.
H. I. Sackett Elec. Co., 251 Pearl, Seneca 6000.
Western Elec. Co., 711 Main, Tupper 6200.
Lloyd A. Wooley Inc., 75 Elect., Seneca 7700.
New York—Alpha Elec. Co., Inc., 151 W. 30th St., Pennsylvania 3400.
J. H. Bunnell & Co.
Burnet Co.
Carnahan & Dalzell, Inc.
Central Electrical Sup. Co.
Construction Materials Corp.
Cranneli, Nugent & Kranzer.
East Coast Elec. Sup. Co.
Electric Supply & Equip. Co.
Electrical Products Co.
Federal Armored Cable Co.
Fletcher Electric Co.
Samuel Frost.
Fullerton Electric Co., Inc.
Gertler Electric Co.
Hatheway & Knott.
Hirschfeld Elecl. Sup. Co., Inc.
Holloway Bentz & Co.
Hub Electrical Supply Co.
International Western Electric Co.
W. F. Irish Co.
Kearton & Nagel.
David Killoch Co.
E. B. Latham & Co.
John J. Leachy Elecl. Sup. Co., Inc.
Lehigh Elec. Co.
Chas. W. Leveridge, Inc.
Manhattan Elecl. Supply Co.
Metropolitan Elec. Appliance Co.
Metropolitan Elec. Distributors.
Monroe Lamp & Equipment Corp.
Nugent Elec. Supply Co.
W. R. Ostander & Co.
Parr Electric Co., Inc.
Ross-Mittler Co.
Royal-Eastern Elecl. Sup. Co.
A. Shemel & Co., Inc.
Sibley-Pitman Elec. Corp.
Stanley & Patterson.
Starobin Elecl. Sup. Co.
Weber Supply Co.
Western Electric Co.
Plattsburg—J. A. Freeman.
Rochester—Rochester Electrical Sup. Co.
Wheeler Green Elecl. Sup. Co.
Schenectady—General Electric Co.
Syracuse—Baldwin-Hall Electric Co.
H. J. Gorke.
Edward Joy Co.
Mohawk Elecl. Sup. Co.
H. C. Roberts Elec. Sup. Co.
Syracuse Supply Co.
Western Electric Co.
Troy—Hinsdill Elec. Co.
Troy Electrical Co.
Utica—Langdon & Hughes Elec. Co.
Utica Elecl. Sup. Co., Inc.
Watertown—Warren J. Green, Inc.
N. C.—Asheville—Piedmont Electric Co.
Charlotte—Carolina States Elec. Co.
Electric Sup. & Equip. Co.
Western Electric Co.
N. D.—Fargo—Pioneer Electric Corp.
O.—Akron—Hardware & Supply Co.
Republic Elec. Co.
Canton—Moock Electric Sup. Co.
Cincinnati—Creaghead Engineering Co.
Huber Builders Materials Co.
Johnson Elec. Supply Co.
F. D. Lawrence Elec. Co.
Milnor Electric Co.
Post Glover Elec. Co.
Western Elec. Co.
Cleveland—American Steel & Wire Co.
W. Bingham Co.
Elliott Electric Co.
Erner Elec. Co.
Luetkemeyer Co.
Republic Electric Co.
Western Electric Co.
Geo. Worthington Co.
Columbus—Avery & Loeb Electric Co.
Erner & Hopkins Co.
Western Elec. Co.
Dayton—Wm. Hall Electric Co.
Nichols Electric Co.
Toledo—F. Bissell Co.
Electric Supply Co.
W. G. Nagel Elec. Co.
Toledo Elec. Sales Co.
Youngstown—Hood Electric Co.
Moock Electric Supply Co.
Western Electric Co.
OKLA.—Muskogee—Peabody Electric Co.
Oklahoma City—Southwest Gen. Electric Co.
United States Co.
Western Elec. Co.
Tulsa—Public Service Co. of Okla.
ORE.—Portland—Western Electric Co.
PA.—Erie—Star Electrical Co.
Greensburg—Alvin Seiler.
Harrisburg—Harrisburg Elec. Supply Co.
Johnstown—Lersin Steel Co.
Reese & Bernard Elec. Co., Inc.
Philadelphia—Colonial Electric Co., Inc.
Elliott-Lewis Elecl. Co., Inc.
Franklin Electric Co.
Frank P. Groves.
Harry Horn.
Jones-Beach & Co.
Mulconroy Co., Inc.
Novelty Electric Co.
John Y. Parke Co.
Phila. Electric Co.
H. C. Roberts Elec. Sup. Co.
Rumsey Electric Co.
Frank H. Stewart Elec. Co.
Walker & Kepler.
Western Elec. Co.
Pittsburgh—American Bridge Co.
American Sheet & Tin Plate Co.
Bessemer & Lake Erie R. R. Co.

(Continued on following page)

NATIONAL METAL MOLDING CO.—Continued.
Carnegie Steel Co.
Carter Electric Co.
Conneaut Land Co.
Craig Electric Co.
Doubleday-Hill Elec. Co.
H. C. Frick Coke Co.
Iron City Elec. Co.
W. T. McCullough Elec. Co.
H. C. Moran.
National Tube Co.
Pgh Limestone Co.
Price Electric Co.
Reynolds Supply Co.
Robins Electric Co.
Union Supply Co.
Western Electric Co.
Reading—Electric Supply & Equipment Co.
Scranton—Electric Supply & Equipment Co.
Chas. B. Scott Co.
Wilkes Barre—Electric Sup. & Equip. Co.
Shepard-Rust Elec. Co.
R. I.—Providence—Belsher & Loomis Hdwe. Co.
Boss Elecl. Supply Co.
Union Elecl. Supply Co.
Western Electric Co.
S. C.—Columbia—Mann Electric Sup. Co.
Perry-Mann Elec. Co., Inc.
TENN.—Chattanooga—James Supply Co.
Mills & Lupton.
Knoxville—C. M. McClurg & Co.
Memphis—Elec. Supply Co.
Reichman-Crosby Co.
Western Electric Co.
Nashville—Braid Electric Co.
Herbrick & Lawrence.
Western Electric Co.
TEX.—Dallas—Electric Appliance Co.
S. W. G. E. Co., Acctg. Dept.
R. S. Wakefield.
Western Electric Co.
El Paso—Krakauer Zork Co.
Mine & Smelter Sup. Co.
South West Gen. Elec. Co.
Western Electric Co.
Houston—South West Gen. Elec. Co.
Western Elec. Co.
San Antonio—Western Elec. Co.
UTAH.—Salt Lake City—Capitol Electric Co.
Farr Electric Service, Inc.
Inter-Mountain Elec. Co.
Mine & Smelter Supply Co.
Salt Lake Hardware Co.
Western Electric Co.
VA.—Norfolk—Atlanta Electric Co., Inc.
Western Electric Co.
Woodhouse Elec. Co., Inc.
Richmond—Southern Electric Co.
Tower-Binford Elec. & Mfg. Co.
Western Electric Co.
W. VA.—Bluefield—Superior Supply Co.
Charleston—Charleston Elecl. Supply Co.
Fairmont—Fairmont Supply Co.
Huntington—Banks Supply Co.
Millers Supply Co.
Logan—Miller Hardware & Sup. Co.
Wheeling—Front Co.
Gee Electric Co.
Sands Elec. Co.
Steam Elec. Co.
WASH.—Seattle—Allied Industries, Inc.
Western Electric Co.
Spokane—Western Electric Co.
Tacoma—Western Electric Co.
WIS.—Green Bay—Morley-Murphy Hdwe. Co.
Murphy Supply Co.
LaCrosse—W. A. Roosevelt Co.
Madison—Electrical Supply Co.
Milwaukee—Julius Andrea & Sons Co.
Boggis-Johnson Electric Co.
CreuseIQ-uartet Elec. Co.
Milwaukee Elec. Ry. Lt. Co.
Western Elec. Co.

Foreign:
CANADA—Toronto, Ont.—Canadian Gen. Elec. Co., Ltd.
Montreal, Que.—Perkins Electric, Ltd.
MEX.—Mexico City—Hubard & Bourlon.
HAWAII—Honolulu—Hawaiian Elec. Co., Ltd.
P. I.—Manila—American Elec. Co., Inc.
SO. AM.—Buenos Aires, Argentine—E. Lix Klett & Co.
Columbia—United Engineering Corp.
Santiago, Chile—Industrial Supplies Co.
Caracas, Venezuela—V. L. Lokpez & Co.
W. I.—Havana, Cuba—Cuba Electrical Sup. Co.
Panama City, R. P.—Central American Plbg. & Sup. Co.
Ponce, R. P.—Agresar, Torres & Co.

National Metal Edge Box Co., 1217 Callowhill, Philadelphia, Pa.
National Metal Products Co., anodes, Dept. H, Athenia, N. J.
National Metal Products Co., Indianapolis, Ind.
National Metal Spinning & Stamping Co., 176-180 Grand, New York.
National Metal Stamping Co., 176 Grand St., New York.
National Metal Ware Co., aluminum & tinware, etc., 1200 Flushing av., Brooklyn, N. Y.
National Metal Weather Strip Co., 233 5th Ave., Pittsburgh, Pa.
National Metallic Bed Co., machsts. & fndrs., Everett, Mass.
National Metallic Sash Co., window frames, 406 N. Leavitt, Chicago, Ill.
National Meter Co., 233 Broadway, New York.

NATIONAL MILL & LUMBER CO., general mill work, 320 Market, San Francisco, Calif., & 2 Rector, New York.

National Mill Supply Co., Fort Wayne, Ind.
National Milling & Chemical Co., casein, Harpers Mills, Philadelphia, Pa.
National Milling Co., flour, 713 Chamber of Commerce, Minneapolis, Minn.
National Mirror Works, Rockford, Ill.
National Mold & Machine Works, Clarksburg, W. Va.
National Mortar & Supply Co., Federal Reserve Bldg., Pittsburgh, Pa.
National Mortar Co., 101 M. N. E., Washington, D. C.
National Mosaic Co., marble, 338 Pennsylvania av., Washington, D. C.
National Mosaic Tile Co., Mobile, Ala.
National Mosaic Tile Co., ceramic tile, 2901 S. Cicero, Chicago, Ill.
National Motor Bearing Co., 690 Turk, San Francisco, Calif.
National Motor Car Vehicle Corp., 1004 E. 22nd St., Indianapolis, Ind.
National Motor Castings Co., piston rings, South Haven, Mich.
National Motor Co., clothes washing machines, Springfield, Mo.
National Musical String Co., New Brunswick, N. J.
National Net & Twine Co., Inc., E. Haddon, Conn.
National Novelty Co., vending machy., 519 S. 3d, Minneapolis, Minn.
National Oats Co., Cedar Rapids, Iowa.
National Oil & Supply Co., 180 Frelinghuysen Ave., Newark, N. J.
National Oil Co., soap & greases, 17 Battery pl., New York.
National Oil Products Co., Essex St., Harrison, N. J.
National Oven Co., Beason, N. Y.
National Oxygen Co., 105 W. Monroe, Chicago, Ill.
National Packaging Machinery Co., machsts., 172 Green, Jamaica Plains, Boston, Mass.
National Packing Corp., canned goods, Ogden, Utah.
National Paint & Manganese Co., Lynchburg, Va.
National Paint & Oil Co., varnish, 159 2d, San Francisco, Calif.
National Paint & Varnish Co., 8709 Kinsman Rd., Cleveland, O.
National Paint Works, New York (See Cheesman-Elliot Co., Inc., Brooklyn).
National Paper & Type Co., 32 Burlington St., New York.
National Paper Box Co., 20th & Tracy, Kansas City, Mo.
National Paper Co., 257-263 Decatur St., Atlanta, Ga.
National Paper Excelsior Co., 1415 Folsom, San Francisco, Calif.

NATIONAL PAPER PRODUCTS CO., 528 Battery, San Francisco, Cal.
Branch:
15 E. 26th, New York.
Representatives:
Sanitary Paper Products Corp.
CONN.—Hartford—803 Amer. Industrial Bldg.
D. C.—Washington—613 Albee Bldg.
IND.—Indianapolis—108 East Washington.
MD.—Baltimore—613 Lexington Bldg.
MICH.—Detroit—1403 Dime Bank Bldg.
N. J.—East Orange—85 Harrison St.
N. Y.—Buffalo—66 Main St.
Syracuse—300 W. Genesee St.
OHIO—Columbus—372 North 6th.
Warren—439 Hunters.
PA.—Philadelphia—712 Cherry St.
R. I.—Providence—95 Fountain St.
VA.—Richmond—306 Broadway.
Representatives:
Zellerbach Paper Co.
CAL.—Fresno—835 H St.
Los Angeles—220 S. Los Angeles St.
Oakland—5th & Franklin.
Sacramento—1221 Front St.
San Diego—305 5th St.
ORE.—Portland—4th & Ankeny Sts.
UTAH—Salt Lake City—141 West 1st South.
WASH.—Seattle—807 Western Ave.
Spokane—510 West Railroad Ave.

National Papeterie Co., Holyoke, Mass.
National Papeterie Co., Orleans St., Springfield, Mass.
National Park Lumber Co., Idaho Falls, Idaho.
National Parlor Suit Co., 65H Raymond, Brooklyn, N.Y.
National Patent Reed Co., Unionville, Conn.
National Paving Brick Mfrs. Assn., Engineers Bldg., Cleveland, O.
National Pearl Works, 56 W. 36th St., New York.
National Percolator Co., Inc., water purifiers, 832 S. Los Angeles, Los Angeles, Calif.
National Petroleum News, trade publication, Caxton Bldg., Cleveland, Ohio.
National Piano Bench Co., 1433 Carroll av., Chicago, Ill.
National Piano Co., 661 Boyston, Boston, Mass.
National Piano Mfg. Co., automatic pianos, Grand Rapids, Mich.
National Pickle & Canning Co., Blue Island, Ill.
National Pickle & Canning Co., Keokuk, Ia.
National Pigments & Chemical Co., 1 Sidney St., St. Louis, Mo.
National Pin & Bracket Co., insulator, North Vernon, Ind.
National Pin Co., Derby, Conn.
National Pipe & Boiler Covering Co., 1909 W. 22nd Pl., Chicago.
National Pipe & Foundry Co., Attalla, Ala.
National Pipe Bending Co., New Haven, Conn.
National Pipe Die & Machine Co., Archibold, Ohio.
National Plastic Relief Co., The, 907 Evans St., Cincinnati, O.
National Plumbing & Htg. Supply Co., E. 63rd & Prairie Ave., Chicago.
National Pneumatic Co., 50 Church, New York.

NATIONAL POLE CO., Escanaba, Mich.
Pres.—Allen Bole.
V. P.—W. L. Lafean.
Sec. & Treas.—F. B. Bement.
Sales Offices:
New York—220 Broadway.
San Francisco, Cal.—301 Rialto Bldg.
Toledo, O.—2844 Summit St.
Concentrating and Shipping Yards:
Chicago, Ill. — Sand Point, Ida.
Everett, Wash. — Spokane, Wash.
Marinette, Wis. — Toledo, O.
Minneapolis, Minn. — Vancouver, B. C.
Oakland, Cal.
Also numerous woods points.
Treating Plants:
Everett, Wash.
Minneapolis, Minn.
Sand Point, Ida.
Spokane, Wash.

National Pole Co., Peyton Bldg., Spokane, Wash.
National Porcelain Co., Southard Ave., Trenton, N. J.
National Pottery Co., 1318 St. Joseph av., Evansville, Ind.
National Pottery Co., Roseville, Ohio.
National Power Machinery Co., The, 1914-18 Scranton Rd., Cleveland, O.
National Pressed Steel Co., The, Massillon, O.
National Printing Machy. Co., Athol, Mass.
National Products Co., East Liverpool, O.
National Production Co., jigs, fixtures & special machy., Bellevue & Benson, Detroit, Mich.
National Provisioner, trade publication, 15 Park Row, New York.
National Pulp & Turpentine Co., Green Cove Springs, Fla.
National Radiator Co., Johnstown, Pa.
National Radio Co., 100 Chambers St., New York.
National Railroad Trolley Guard Co., Olean, N. Y.
National Railway Appliance Co., 50 E. 42d St., New York.
National Railway Devices Co., Inc., 324 N. Desplaines St., Chicago.
National Recording Pump Co., Penn. av., Dayton, O.
National Refining & Mfg. Co., petroleum, Bakersfield, Calif.
National Refining Co., lubrg. oils, Oliver & Harding, Indianapolis, Ind., & Springfield, Ill.
National Refining Co., The, 1404 E. 9th St., Cleveland, O.
National Refrigerators Co., 827 Koeln av., St. Louis, Mo.
National Regulator Co., 2301 Knox Ave., Chicago.
National Resource Engineering Co., 320 Balboa Bldg., San Francisco, Calif.
National Retarder Co., Port Clinton, Ohio.
National Rice Mills, Sacramento, Calif.
National Ring Traveler Co., textile machy., 257 W. Exch., Providence, R. I.
National Ring Traveler Co., Providence, R. I.
National Roll & Fdy. Co., Avonmore, Pa.
National Roller Chafe Iron Co., West Medway, Mass.
National Roller Co., printers', 307H Pearl, New York
National Rolling Mill Co., Vincennes, Ind.
National Roofing & Supply Co., contrs., 124 W. Main, Louisville, Ky.

NATIONAL ROOFING CO., THE, 149 Fillmore Ave., Tonawanda, N. Y.
Pres.—John Ayrault.
V. P. & Treas.—Miles Ayrault.
Sec. & Sales Mgr.—C. E. Butcher.
Mgr. Paint Wks.—H. B. Fleming.
Distributors and Branch Offices:
ILL.—Chicago—Chicago Roofing & Supply Co., 8222 Wentworth Ave., Victory 1365.
KY.—Louisville—Central Paint & Roofing Co.
LA.—New Orleans—Kracke & Flanders Co.
National Roofing Co., 4124 Toulouse St.
N. Y.—Binghamton—Gillett-Barnes Co.
National Roofing Co., 91 State St.
Buffalo—Cordes, Ayrault & Co., 502 Michigan Ave., Seneca 5159.
Rochester—F. B. Rae Oil Co.
Syracuse—National Roofing Co., 569 S. Clifton St.
Onondaga Builders Sup. Co.
PA.—Pittsburgh—National Roofing Co., Empire Bldg., Smithfield 1895.
R. I.—Providence—Narragansett Supply Co.
WIS.—Milwaukee—Cream City Roofing & Paint Mfg. Co.

National Roofing Co., paper, Emigsville, Pa.
National Roofing Materials Co., Edwardsville, Ill.
National Rosin Oil & Size Co., 90 West, New York.
National Rubber & Specialties Co., rubber cement, etc., Winton pl., Cincinnati, Ohio.
National Rubber Co., Pottstown, Pa.
National Rubber Filler Co., Midlothian, Tex.
National Rubber Supp. Co., mill & facty. supp., 1508 Cleveland, Denver, Colo.
National Rule Co., Rochester, N. Y.
National Safe & Lock Co., 2341 E. 69th, Cleveland, O.
National Safe Co., 2345 E. 69th St., Cleveland, Ohio.

NATIONAL SAFETY APPLIANCE CO., Railway Exchange, Chicago.

National Safety Appliance Co., 57 Post, San Francisco, Calif.
National Safety Device Co., 62 W. Washington St., Chicago.
National Safety Snap Co., Wilmington, O.
National Sales Co., machy. dlrs. & mill supplies, Stuttgart, Ark.
National Sales Co., minerals & earths, 31 E. 13th, Cincinnati, Ohio.
National Sand & Stone Co., Niles, Ohio.
National Sanitary Co., Salem, O.
National Sanitary Co., disinfectants, Sedalia, Mo.
National Sanitary Co., fndrs., Salem, Ohio.
National Sanitary Rag Co., mach. wipers, 540 8th, San Francisco, Calif.
National Sash & Door Co., New Orleans, La.
National Sawdust Co., 104 N. First St., Brooklyn, N. Y.
National Scale Corp., counting machines, steel shelving & factory signals, 11 Hendricks, Chicopee Falls, Mass.
National School Slate Co., Slatington, Pa.
National Screen Mfg. Co., 1456 Harrison av., Cincinnati, Ohio.
NATIONAL SCREW & MFG. CO., 2440 E. 75th St., Cleveland, O.
NATIONAL SCREW & MFG. CO., A-B Products Div., 2442 E. 75th St., Cleveland, O.
National Seal Co., 37th and 14th Ave., Brooklyn, N. Y.
National Separator & Machine Co., 89 State St., Boston, Mass.
National Sewer Pipe Co., Webster City, Iowa.
National Sewing Machine Co., 290 Broadway, New York.
National Sewing Machine Co., Belvidere, Ill.
National Sheet Metal Co., Peru, Ill.

NATIONAL SHEET METAL ROOFING CO., 339 Grand St., Jersey City, N. J.

National Ship Fitting & Supply Co., Amity & Columbia, Brooklyn, N. Y.
National Shipbuilding Co., Orange, Texas.
National Shoe Plate Mfg. Co., Cleveland, Ohio.
National Show Case & Fixture Co., 223 E. 9th, Los Angeles, Calif.
National Show Case Co., Columbus, Ga. & 486 Leonard, Brooklyn, N. Y.
National Sign Stencil Co., University & Snelling Ave., St. Paul, Minn.
National Signal Co., 133 W. Washington St., Chicago.
National Silica Co., Oregon, Ill.
National Silica Wks., silex, Berkeley Springs, W. Va.
National Simplex Crane Engineering Co., 621 W. Adams St., Chicago.
National Skylight & Ventilator Co., 719 Exchange St., Rochester, N. Y.
National Smelting & Refining Co., 1842 Illinois St., Detroit, Mich.
National Smelting & Refining Co., 92 John, New York.
National Smelting Co., 16th & Texas, San Francisco, Calif.

NATIONAL SMELTING CO., THE, 6800 Grant Ave., Cleveland, O.

National Soap Co., 1910 Franklin, Detroit, Mich., & Leavenworth, Kan.
National Spark Plug Co., Rockford, Ill.
National Specialty Mfg. Co., American and 3rd Sts., Philadelphia, Pa.
National Spinning Co., 784 Grand, Brooklyn, N. Y.
National Sponge & Chamois Co., 158 William Sts., New York.
National Spring & Wire Co., Albion, Mich.
National Spring Clip Co., clothespins, Montpelier, Vt.
National Spring Co., for automobiles, New Castle, Ind.
National Spring Products Co., Gary, Ind.

National Stamping & Electric Works, 3212-50 W. Lake St., Chicago.
National Standard Co., jacks, pumps, etc., Box 211, Niles, Michigan.
National-Standard Company, (Makers of Track Tools), Niles, Mich.
National Starch Co., 17 Battery pl., New York.
National Steam Pump Co., Upper Sandusky, O.
National Steam Spec. Co., see Marsh, Jas. P., & Co. (successor).
National Steel Barrel Co., 3860 E. 91st St., Cleveland, O.
National Steel Construction Co., 425 Frontenac, Seattle, Wash.
National Steel Car Co., Hamilton, Ont., Can.
National Steel Casting Co., Montpelier, Ind.
National Steel Co., 1319-23 Kingsbury St., Chicago.
National Steel Construction Co., Bellwood, Pa.
National Steel Fabric Co., Union Arcade Bldg., Pittsburgh, Pa.
National Steel Foundries, ft. of Belleview Pl., Milwaukee, Wis.
National Steel Products Co., lock-nuts, Dayton, Ohio.
National Steel Rail Company, (Not Inc.), 5000 Broadway, St. Louis, Mo.
National Steel Rolling Co., 44 Cedar St., New York.
National Steel Tank & Mfg. Co., Bradford, Ill.
National Stone Co., Bloomington, Ind.
National Stone Renovating Co., 434 W. 45th, New York.
National Stone Tile Co., hollow brick, tile & concrete block machy., 625 Market, San Francisco, Calif.
National Stove Co., Div., American Stove Co., Lorain, O.
National Sugar Mfg. Co., Sugar City, Colo.
National Sugar Refining Co., 129 Front, New York.
National Sulphur Co., brimstone, 80 Maiden la., New York.
National Supply & Construction Co., Ellwood City, Pa.
National Supply Co., 9 S. Main, Tulsa, Okla.

NATIONAL SUPPLY COMPANY, 412 Orleans St., Chicago.
Pres.—E. E. Billow.
Sec.-Treas.—C. O. Billow.

National Supply Co. of Texas, mill & oil well supplies, Fort Worth, Texas.
National Supply Co. of Pa., Union Bank Bldg. (Oil Well Supplies), Pittsburgh, Pa.
National Supply Companies, The, St. Clair & Washington Sts., Toledo, O.
National Surface Guard Co., Chicago. (Now Aldobilt Co., Chicago).
National Surety Co., indemnity bonds ins., 115 Broadway, New York.
National Sweeper Co., Division of The Torrington Co., hand vacuum cleaners, 59 Field, Torrington, Conn.
National Tag Co., 314 E. 5th St., Dayton, O.
National Tank & Mfg. Co., 11th & Santa Fe av., Los Angeles, Calif.

NATIONAL TANK & PIPE CO., 170 Columbia Blvd., Portland, Ore.
Pres.—Wm. E. Hampton.
V. P. & Mgr.—F. M. Kirsch.
Secy.—L. E. Long.
(Manufacturers of steam, power, horizontal, vertical, piston & plunger types, for pipe line, refinery, marine, boiler feed, general service and high pressure work.)
See adv. Index at end of book.

National Telegraphone & Supply Co., El Paso, Texas.
National Telephone Supply Co., 5100 Superior St., Cleveland, O.
National Textile Mfg. Co., cotton batting, Cohoes, N.Y.
National Thermometer Co., 125 E. 23rd St., New York.

NATIONAL TICKET CASE CO., Dept L, 840-44 West 35th St., Chicago.

National Ticket Co., 205 St. Clair av., N. E., Cleveland, Ohio.
National Ticket Co., Shamokin, Pa.
National Tile Co., Anderson, Ind.
National Time Switch Co., South Bend, Ind.
National Tin Co., detinn'g plants, 21 Park Row, New York.

NATIONAL TOOL CO., Cleveland, Ohio.
Branch & Sales Offices:
*Chicago—26 S. Jefferson.
*Detroit—400 Marquette Bldg., 243 W. Congress.
New York—Mfr. Equig Co., 126 Chambers.
*Philadelphia—Sedgley Ave. at Dauphin.
*Carry stock.
European Office:
National Tool Co., 139 Queen Victoria, London, E. C. 4.

National Tracing Cloth Co., see Arkwright Finishing Co. (successor).
National Train Control Co., 80 E. Jackson Blvd., Chicago.
National Transformer Mfg. Co., 154 Whiting Ave., Chicago.

NATIONAL TRANSIT PUMP & MACHINE CO., Oil City, Pa.
Branch Offices:
Cleveland, O.—408 Park Bldg.
Denver, Colo.—519 Foster Bldg.
Houston, Texas—829 Mason Bldg.
New York—30 Church.
Philadelphia, Pa.—260 S. Broad St.
Pittsburgh, Pa.—1421 Farmers Bank Bldg.
Tulsa, Okla.—1024 Kennedy Bldg.
Domestic Agencies:
Baltimore, Md.—Morton McI. Dukehart & Co., Inc., McComas & Race.
Beaumont, Texas—The E. L. Wilson Hardware Co.
Charlotte, N. C.—Thos. B. Whitted, Realty Bldg.
Los Angeles, Cal.—Associated Supply Company.
New Orleans, La.—The Globe Supply & Machinery Co., 625 S. Peters.
St. Louis, Mo.—Reeves & Skinner Machinery Co., 2211 Olive.
Salt Lake City, Utah—F. C. Richmond Machinery Co.
San Francisco, Cal.—Associated Supply Company, 79 New Montgomery.
Tulsa, Okla.—The Frick-Reid Supply Co.

National Trunk & Bag Co., 86 S. Orange av., Newark, N. J.
National Tube Company, Frick Bldg., Pittsburgh, Pa.
National Tubular Axle Co., Emigsville, Pa.

NATIONAL TWIST DRILL & TOOL CO., 6522 Brush St., Detroit, Mich.
Pres. & Gen. Mgr.—Wm. H. McGregor.
Asst. to Pres.—H. L. McGregor.
Sec. & Sales Mgr.—C. Earle Smith.
Pur. Agt.—R. B. Kane.
Branch Offices:
ILL.—Chicago—E. J. Chamberlain, 26 S. Jefferson St.
N. Y.—Buffalo—R. C. Neal, 76 Pearl St.
New York—J. J. Jordan, 73 Warren St.
Syracuse—C. R. Edgerly, 107 Gifford St.
PA.—Philadelphia—E. W. Haines, 43 N. 6th St.

National Umbrella Co., 1372 W. 6th, Cleveland, Ohio.
National Umbrella Frame Co., lock washers, 30th & Thompson, Philadelphia, Pa.
National Utilities Corp., water supply systems, Bellview pl., Milwaukee, Wis.

NATIONAL VALVE & MANUFACTURING COMPANY, 3100 Liberty Ave., Pittsburgh, Pa.
Pres.—H. E. Haller.
V. P.—Thos. Fillingham.
V. P. & Treas.—J. Lee Rodgers.
Secy.—J. R. Nicklin.
Atlanta, Ga.—Candler Bldg., Earl F. Scott.
Cleveland, O.—Guardian Bldg., L. S. Garrett.
New York—39 Cortlandt St., F. W. Richardson.
Philadelphia, Pa.—Bulletin Bldg., C. E. Pearson.

National Varnish Co., 153 West av., Long Island City, N. Y.
National Veneer Products Co., Mishawaka, Ind.
National Ventilating Co., 337-339 E. 26th St., New York.
National Vitaphone Corp., spring motor mfrs., Plainfield, N. J.
National Voice Phonograph Co., Inc., Oneida, N. Y.

NATIONAL VULCANIZED FIBRE CO., Beech & Maryland Aves., Wilmington, Del.

National Wall Board Co., 534 Battery, San Francisco, Calif.
National Washboard Co., 111 W. Washington, Chicago, Ill.
National Waste Co., 935 N. Halsted St., Chicago.
National Waste Co., North Manyunk, Philadelphia, Pa
National Water Lift Co., Kalamazoo, Mich.
National Water Main Cleaning Co., 50 Church St., New York
National Waterproofing Co., 1077 Columbus Ave., Boston, Mass.
National Waterproofing Co., Drexel Blvd., Philadelphia, Pa.
National Wax & Paper Mfg. Co., 119 41st St., Brooklyn, N. Y.
National Web Co., elastic webbing, 263 Linden av., Jersey City, N. J.
National Welding & Mfg. Co., 1422 Niagara St., Buffalo, N. Y.

NATIONAL WELDING EQUIPMENT CO., 223 Main, San Francisco, Calif.

National Whalebone Co., 25 W. 45th, New York.
National Wire Co., hdwe., Sterling, Ill.
National Wire Wheel Works, airplane wheels, Geneva, N. Y.
National Wood Floor Co., 607 W. 43rd St., New York
National Wood Products Co., Wilmington, N. C.
National Woodworking Mach. Co., Dover, N. H.
National Wood Wkrs., sash, doors & blinds, Sioux City, Iowa.
National Wrought Iron Annealing Box Co., Washington, Pa.
National X-Ray Reflector Co., Chicago. (Now Curtis Lighting, Inc.)
National Zinc Co., 61 Broadway, New York (Home Office).
National Zinc Co., Springfield, Ill.
National Zinc Co., Inc., Packers Station, Kansas City, Kans.
National Zinc Separating Co., Platteville, Wis.
Natisch Gear Works, Inc., 451 Hudson Ave., Brooklyn, N. Y.
Native Lumber Co., Howison, Miss.

NATROCO PAINT & VARNISH WKS., 145 Fillmore Ave., Tonawanda, N. Y.

Natt, Bareham & McFarland, Inc., htg. contrs., 366 Main E. Rochester, N. Y.
Natural Falls Milling Co., flour, Bridgewater, Va.
Natural Products Refining Co., potash, 902 Garfield av., Jersey City, N. J.

NATURAL SLATE BLACKBOARD CO., 101 Marietta st., Pen Argyl, Pa.
Branch Offices:
Atlanta, Ga.—101 St.
Boston, Mass.—627 Old South Bldg.
Buffalo, N. Y.—823 White Bldg.
Chicago, Ill.—1451 Marquette Bldg.
Cincinnati, Ohio—807 Gerke Bldg.
Cleveland, Ohio—513 National Bldg.
Kansas City, Mo.—1533 Walnut St.
Minneapolis, Minn.—200 Builders' Exchange.
New York—200 Fifth Ave.
Philadelphia, Pa.—313 Pennsylvania Bldg.
Pittsburgh, Pa.—307 Union Bank Bldg.
Washington, D. C.—620 Bond Bldg.

Natwick, J., & Co., lbr. mfrs., Munsey Bldg., Baltimore, Md.
Naubuc Paper Co., Glastonbury, Conn.
Nauffts, Theo., contractor, Duluth, Minn.
Naugatuck Chemical Co., acids, chemicals, etc., Naugatuck, Conn.
Naugatuck Malleable Iron Wks., Naugatuck, Conn.
Naugatuck Mfg. Co., Naugatuck, Conn.
Naugatuck Valley Crucible Co., The, Shelton, Conn.
Naughton & Weimar, barrel hoop driving & barrel washing machines, 1900 E. Westmoreland, Philadelphia, Pa.
Naughton Constr. Co., 79 William, New York.
Naughton Marble Co., table tops, etc., 64 W. Grand, Chicago, Ill.
Naugle Pole & Tie Co., 5 So. Wabash Ave., Chicago.
Naujoks-McLaughlin Co., musical instrs., 929 S. Hill, Los Angeles, Calif.
Nauman Co., lumber mfrs., Waterloo, Iowa.
Naumann Hardware & Supply Co., 4324 Gtn. av., Philadelphia, Pa.
Naumkeag Buffing Machine Co., Beverly, Mass.
Naumkeag Steam Cotton Co., cotton sheetings, Congress, Salem, Mass.
Nausbaum Chemical Co., Bradford, Pa.
Nautical Gazette, trade publication, 20 Vesey, New York.
Nautical Instruments Mfg. Co., Inc., 82 Beaver, New York.
Nauvoo Canning Co., Nauvoo, Ill.
Naval Stores Equipment Co., rosin, turpentine mfrs., Canal Bank Bldg., New Orleans, La.
Navonne Mfg. Co., Emeryville, Cal.
Navarro Lumber Co., Navarro, Calif.
Navarro Lumber Co., Crocker Bldg., San Francisco, Cal.
Navassa Guano Co., Wilmington, N. C.
Nawrath, J. P., & Co., cotton mops, 109 Wooster, New York.
Nay & Co., E. C., Pasadena, Cal.
Naylor & Co., Inc., ores, fluorspar, etc., 120 Broadway, New York.
Naylor & Co., Inc., 100 Broadway, New York.
Naylor Bros., Peekskill, N. Y.
Naylon-Pierson-Hough Co., harness & collars, 1366 Antietam, Detroit, Mich.
Nazareth Cement Co., Nazareth, Pa.
Nazareth Coal & Lumber Co., masons' & bldrs.' matls., Nazareth, Pa.

NAZARETH FDRY. & MACH. CO., Nazareth, Pa.

Nazareth Paper Box Co., Nazareth, Pa.
Nazel Engineering & Machine Works, 4038 N. 5th St., Philadelphia, Pa.
Neahr & Co., M. J., 1600 S. Dearborn St., Chicago.
Neabrey, Leonard, cornices, 637 W. Court, Cincinnati, Ohio.
Neal & Sons Co. (Inc.), W. H., Hurlock, Md.
Neal & Brinker Co., mill & facty. supplies, whol. hdwe., 78 Duane, New York.
Neal, B. B., Hardware Co., 235 Canal, New York.
Neal Co., The, hardware and small tools, 76 Pearl, Buffalo, N. Y.
Neal, James, cornices & skylights, Rome, Ga.
Neal, R. C., Co., Inc., whol. hdwe., 76 Pearl, Buffalo, N. Y.
Neal, W. H., & Son Co., see Eastern Shore Can Co. (successors).
Nealon, John J., & Co., webbing (elastic), Bayonne, N. J.
Nearpara Rubber Co., E. State St., Trenton, N. J.
Nearpase, E. E., granite & stone producers, Port Jervis, N. Y.
Neary, J. H., & Sons, contrs., Cohoes, N. Y.
Neary, Peter, & Son Co., granite prod., Blisville, Long Island City, N. Y.
Nease, C., Lumber Co., East Liverpool, Ohio.
Neben Mfg. Co., Inc., 137 Beekman St., New York.
Nebergall, D. E., meat packers, Albany, Ore.
Nebergall, J. F., & Sons, contrs., Davenport, Iowa.
Nebes, David, mill brushes, Lowell, Mass.
Nebraska & Iowa Carbonic Acid Gas Co., Omaha, Neb.
Nebraska & Iowa Steel Tank Co., Omaha, Neb.
Nebraska & Iowa Steel Tank Co., Omaha, Neb.

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Nebraska Culvert & Mfg. Co., Wahoo, Neb.
Nebraska Lumber & Millwork Co., 8th & R, Lincoln, Neb.
Nebraska Printing Co., Lincoln, Neb.
Nebraska Stone Co., Omaha, Neb.
Nebraska Tent & Awning Co., Omaha, Neb.
Necarsulmer, Edward, archt. 507 5th av., New York.
Neches Lumber Co., Beaumont, Texas.
Necholson Clay Mfg. Co., bricks & drain tiles, Ray, Ill.
Neck Bros Co., Ltd., brick, Marksville, La.
Nedrow Mfg. Co., post office furniture, screens, etc., Caledonia, N. Y.
Needham Piano Co., organs, 520 W. 48th, New York.
Needles Mach. Wks., Machsts., Needles, Calif.
Neeld, C. M., Constr. Co., Oliver Bldg., Pittsburgh, Pa.
Neely Nut & Bolt Co., 26 S. 22nd St., Pittsburgh, Pa.
Neemes Bros., Inc., 206-216 First St., Troy, N. Y.
Neenah Brass Works, machsts. & fndrs., Neenah, Wis.
Neenah Packing Co., canned goods, Neenah, Va.
Neenah Paper Co., Neenah, Wis.
Nees, Louis, cornices, 240 12th av., Minneapolis, Minn.
Nees, W. J., Co., contractors, Frankfort, Ind.
Neff, Peter, 406 High Ave., S. W., Canton, O.
Neff, Benj. F., & Sons, brick, Bryan, Ohio.
Neff, H. S., machsts, West Newton, Pa.
Negley Clay Co., Negley, O.
Negus, S. P., landscape arch., 284 Dart, Boston, Mass.
Negus, T. S. and J. D., 140 Water St., New York.
Nehls, Barney, plating works, 248 Brush, Detroit, Mich.
Nehring Electrical Works, 600 E. Lincoln Highway, DeKalb, Ill.
Neider Co., Inc., F. A., Augusta, Ky.
Neidich Process Co., Burlington, N. J.
Neidner's Sons Co., Chas., Malden, Mass.
Neidow & Payson Co., see Pneumatic Chuck Co. (successors).
Neidhart, B., & Co., whol. hdwe., Marquette, Mich.
Nejdl & Greenwald, contractors, Whiting, Ind.
Neighbour, E. J., lime, German Valley, N. J.
Neighbour, E. J., Long Valley, N. J.
Neil & Co., Wm., 615-617 W. Division St., Chicago.
Neil & Smith Electric Tool Co., 813 Broadway, Cincinnati, O.
Neil, F. Boyle, & Co., whol. hdwe., Blackfoot, Idaho.
Neil, Jas., & Co., flour mills, Carmichaels, Pa.
Neilan Valve & Supply Co., 439 S. San Pedro, Los Angeles, Calif.
Neiler, Rich & Co., elec. & mech. engrs., Manhattan Bldg., Chicago, Ill.
Neill, Geo. W., fndr., Portsmouth, Ohio.
Neill, J. O., Hardware Co., masons' & bldrs.' matls. & agricultural implements, 130 Bedford, Fall River, Mass.
Neill-La Vielle Supply Co., mill & factory supplies, 505 W. Main, Louisville, Ky.
Neillsville Canning Co., Neillsville, Wis.
Neils Lumber Co., J., Cass Lake, Minn.
Neily, Jos. W., whol. hdwe., 121 South, Baltimore, Md.
Nejdl & Greenwald, contractors, Whiting, Ind.
Nekonegan Paper Co., Oldtown, Me.
Nekoosa-Edwards Paper Co., Port Edwards, Wis.
Nela Specialties Division, Nat'l Lamp Wks. of G. E. Co., arc lamps, Nela Pk., Cleveland, Ohio.
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Nelman & Saul, machsts. & fndrs., Hamburg, Pa.
Nelms & Co., horse brushes, 407 Commerce, Philadelphia, Pa.
Nelsen, H. O., Iron Works, fndrs., First, Knoxville, Tenn.
Nelson & Bauer, contrs., Fulton & Gough, San Francisco, Calif.
Nelson & Call Co., hdwe. mfrs., Cortland, N. Y.
Nelson & Co., contractors, Racine, Wis.
Nelson & Co., sash, door & blind mfrs., Jamestown, N. Y.
Nelson & Forsyth, contrs., Oakland, Calif.
Nelson & Hall Co., butter tubs, Montgomery Center, Vt.
Nelson & Le Moon, 849 N. Kedzie av., Chicago.

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Nelson & Van Wagnen, architects, 15 W. 38th, New York.
Nelson, A. G., Lumber Co., Waupaca, Wis.
Nelson, Alex., & Co., dumbwaiters, 103 W. 96th, New York.
Nelson, Alfred W., filter presses, 183 Snyder av., Brooklyn, N. Y.
Nelson Blower & Furnace Co., So. Boston, Mass.
Nelson Brick & Tile Co., New Haven, Ky.
Nelson Bros., archl. iron, 62½ Thayer, Boston, Mass.
Nelson Bros., contrs., Rock Island, Ill.
Nelson Bros., cornices & skylights, Salem, Ohio.
Nelson Bros., lumber mfrs., Jamestown, N. Y.
Nelson Bros., mattresses, Wilkes-Barre, Pa.
Nelson Bros. Co., Inc., Saginaw, Mich.

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Nelson Co., B. F., Minneapolis, Minn.
Nelson Co., Chas., 230 Cal. St., San Francisco, Cal.
Nelson Co., H. W. (Contr.), 80 E. Jackson Blvd., Chicago.
Nelson Co., I. R. (Elec. Equip.), 1 Bond St., Newark, N. J.
Nelson, Inc., C. R. & W. A., 225 N. Michigan Ave., Chicago.
Nelson, C. H., Metal Co., tin plate, metals, etc., 217 W. Camden, Baltimore, Md.
Nelson, C., Mfg. Co., ice cream cabinets, 2300 Division, St. Louis, Mo.
Nelson, Chas., grille work, 1939 W. Lake, Chicago, Ill.
Nelson Constr. Co., Orange, N. J.
Nelson Construction Co., Huron, S. D.
Nelson Corp., loose leaf devices, 225 N. Michigan av., Chicago, Ill.
Nelson-Eismann-Quist Co., 122 S. Michigan Ave., Chicago, Ill. (Typewriters & Supplies.)
Nelson Forge Works, 231 E. Water, Portland, Ore.
Nelson, G. M., 421 50th, Brooklyn, N. Y.
Nelson Gas Engine & Auto Co., Harlan, Iowa.
Nelson, H. C., landscape archt., First Central Bldg., Madison, Wis.
Nelson, H. J., Machinery Exchange, 127 N. & Pearl, Green Bay, Wis.
Nelson, H. W., Corp., ventilators & wardrobes, Moline, Ill.
Nelson Hardware Co., Roanoke, Va.
Nelson, Henry, mach. & fndr., Northwood, Iowa.
Nelson, Herman Corp., unit heaters & ventilating systems, Moline, Ill.
Nelson, Ira I., metals, 10 High, Boston, Mass.
Nelson, J. B., Mankato, Minn.
Nelson, J. M., oiled clothing, Gloucester, Mass.
Nelson, Jas. A., htg. contr., 1375 Howard, San Francisco, Calif.
Nelson, James E., Co., contrs., 7 Water, Boston, Mass.
Nelson, L. H., Co., paper cups, 443 Congress, Portland, Me.
Nelson, L. R., hose menders, 1810 S. Washington, Peoria, Ill.
Nelson Loose Leaf Corp., 2425 Leavenworth St., Omaha, Neb.
Nelson Lumber & Mfg. Co., interior finish mfrs., 372 Dublin av., Columbus, Ohio.
Nelson Marble Co., N. O., Edwardsville, Ill.
Nelson, M., Furniture Co., mattresses, Astoria, Ore.
Nelson Machy. Co., Green Bay, Wis.
Nelson Mach. Co., machsts, Waukegan, Ill.
Nelson Mach. Co., special machy., Taunton, Mass.
Nelson Mfg. & Supply Co., machsts, Hutchinson, Kan.
Nelson Mfg. Co., tank heaters, animal traps, Deerfield, Wis.
Nelson Mfg. Co., A., 445 W. Erie St., Chicago.
Nelson Mfg. Co., N. O., Los Angeles, Calif.
Nelson Mfg. Co., N. O., 928 Chestnut Sts., St. Louis, Mo.
Nelson Mfg. Co., N. O., 435 W. Madison St., Memphis, Tenn.
Nelson Meat Co., 780 Folsom, San Francisco, Calif.
Nelson, Melville A., archt, 2611 Argyle, Chicago, Ill.
Nelson Motor Truck Co., Saginaw, Mich.
Nelson, N. O., Co., plumbing supplies, Houston, Tex.
Nelson, N. P., Iron Works, chutes, conveyors, wagon loaders, etc., 216 40th, Brooklyn, N. Y.
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Nelson-Neal Lumber Co., Montborne, Wash.
Nelson, Neils, & Son, machsts., Aberdeen, Wash.
Nelson, O. F., & Sons, contrs., Am. Bldrs. Exch., Omaha, Neb.
Nelson, Peter, & Son, contractors, La Crosse, Wis.
Nelson, R., Canning Co., Galena, Mo.
Nelson Rivet Co., Taunton, Mass.
Nelson Supply Co., Jos., Salt Lake City, Utah.
Nelson Tool Co., Inc., 731 E. 142nd St., New York.
Nelson Valve Co., (Wyndmoor), Philadelphia, Pa.
Nelson Vertical Paper Cutter Co. (M. Nelson), Littleton, N. C.
Nelson, W. P., Co., decorators, 614 S. Michigan av., Chicago, Ill.
Nelson, Weber, Constr. Co., Oconomowoc, Wis.
Nelsonville Brick Co., tile, Columbus, Ohio.
Nelsonville Brick Co., The, Nelsonville, O.
Nelsonville Fdry. & Mach. Co., Nelsonville, O.
Nemann & Hieronymus, Mount Olive, Ill.
Nemirowsky, S., & Son, machy. dlrs., 136 N. 3d, Philadelphia, Pa.
Neosho Canning Co., Neosho, Mo.
Neosho Foundry & Plow Works, Neosho, Mo.
Neosho Milling Co., flour, Neosho, Mo.
Neostyle Envelope Co., 10 Lispenard, New York.
Neostyle Envelope Co., Now Chicago Neostyle Envelope Co., 5 S. Wabash Ave., Chicago.
Ne-Page-McKenny & Co., electrical engnrs., Armour bldg., Seattle, Wash.
Nephi Plaster & Mfg. Co., 322 Ness Bldg., Salt Lake City, Utah.
Neponset Woolen Mills, woolen carriage cloth, Canton Junction, Mass.
Neptune Hdw. Mfg. Co., 80 Warren St., New York.
Neptune Machine Works, 221 Tehama, San Francisco, Calif.
Neptune Meter Co., 50 E. 42d, New York.
Neptune Paint Co., Hudson, Mich.
Neptune Twine & Cord Mills, Moodus, Conn.
Nerenberg, Louis, overalls, 98 Greene, New York.
Nesbitt & Bro., Wheeling, W. Va.
Nesbitt, John J., ventilating systems, Atlantic City, N. J.
Neser & Quinn Co., plumbers' supplies, Lexington & Green, Baltimore, Md.
Neser, John E., archl. & ornamental iron, 414 W. 19th, New York.
Neslage, Herman F., patterns & models, St. Louis, Mo.
Ness & Theisen Constr. Co., see Theisen Co. (successors).
Ness Bros. & Co., wagon & carriage material mfrs., York, Pa.
Ness Lumber Co., Hatton, N. D.
Ness, G. M., Jr., 61 Fulton St., New York.
Nessen, J. O., Lumber Co., 122 S. Michigan av., Chicago, Ill.
Nester, P. H., canned goods, Thaxton, Va.
Nestles Food Co., 130 William, New York.
Nestor, Johnson, 1900 N. Springfield av., Chicago, Ill.
Nestor Mfg. Co., Inc., 40 W. 13th St., New York.
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Nettleton-Bruce-Echbach Co., contractors, Seattle, Wash.
Nettleton-Bruce Logging Co., S. Prairie, Wash.
Nettleton Lumber Co., 1119 4th av., Seattle, Wash.
Netz, Edwin A., heating contr., 752 57th, Milwaukee, Wis.
Netzow, C. F., Mfg. Co., pianos, 1st & Becker, Milwaukee, Wis.
Neubeck Electroplating Co., 154 Ellicott, Buffalo, N. Y.
Neuberger, Fred'k, & Co., turkish towels, Paterson, N. J.
Neubert, R. F., Co., incubators, Mankato, Minn.
Neuchatel Asphalt Co., bridge foundations, etc., 79 Thompkins, New York.
Neuer & Hoffman, advert. nov. & spec., 75 Grand, New York.
Neuer, H., Glass Co., 518 Reading rd., Cincinnati, O.
Neuhaus, C., & Co., surgical instruments, 510 N. Eutaw, Baltimore, Md.
Neuhoff Abattoir & Packing Co., meat packers, 1308 Adams, Nashville, Tenn.
Neuhoff Packing Co., meat, Nashville, Tenn.
Neuken, Albert, Cut Stone Co., Toledo, Ohio.
Neukirchen Bros., lbr., Issaquah, Wash.
Neuman, J. C., cornices, Springfield, Ill.
Neuman-Warnock Co., radiator bushings, Beaver Dam, Wis.
Neumann & Sons, Wm. F. V., 6040 Woodward Ave., Detroit, Mich.
Neumann, Arthur H., & Co., contractors, Des Moines, Iowa.
Neumann, H. W., Mach. Co., Davenport, Ia.
Neumann Hardware Co., R., 9 St. Francis St., Newark, N. J.
Neumeister, F. P., & Co., carriages & knocked-down boats, Rockford, Ill.
Neumeyer & Dimond, steel merchants, 82 Beaver, New York.
Neumeyer, H. F., & Son, machsts. & fndrs., Macungie, Pa.
Neumiller, J. & G., carriages, 125 Fell, San Francisco, Calif.
Nepert & Budwig, packing box, Waterloo, Wis.
Neupert Manufacturing Co., 82 Lark, Buffalo, N. Y.
Neutrasol Products Corp., oils, 41 Park Row, New York.
Neutzell, Chas., willow ware mfrs., Liverpool, N. Y.
Nevada City Hardware Co., Nevada City, Calif.
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Nevada Engineering & Supply Co. Wks., Reno, Nev.
Nevada Hardware & Supply Co., Reno, Nev.
Nevada Machy. & Elect. Co., mill & factory supplies, Reno, Nev.
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Nevada Steel Metal Works, Reno, Nev.
Nevens-Wallace Train Control Co., 33 Moody St., Waltham, Mass.
Never Rust Mfg. Co., rust preventatives & proofing, 30 Church, New York.
Neversink Dyeing Co., Inc., dyes & dyestuffs, Reading, Pa.
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Never-Slip Welding Compound Co., 1101 3d, Oakland, Calif.
Neverslip Works of the Manufacturers Iron & Steel Co., The, New Brunswick, N. J.
Never-Split Seat Co., Evansville, Ind.
Neville Bros., fertz. mfrs., West Union, S. C.
Neville Steering Wheel & Mfg. Co., Wayne, Mich.
Neville, T., carriages, Oshkosh, Wis.
Neville, Thos., & Co., automobile bldrs., Oshkosh, Wis.
Neville, W. N., flour mills, Arlington, Ky
Nevin & Wischmeyer, architects, Starles bldg, Louisville, Ky.
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Nevins Co., Samuel, 143 N. 4th St., Philadelphia, Pa.
Nevins Co., W. P., Builders Exchange, Minneapolis, Minn.
Nevins, Ed. J., stone producer, wkr. & dlr., 638 W. 51st, New York.
Nevins, Oscar W., & Co., contrs., Pavonia & West Side av., Jersey City, N. J.
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New Advance Machinery Co., Van Wert, Ohio.
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New Albany Hosiery Mills, lumbermen's socks, New Albany, Ind.
New Albany Machine Mfg. Co., New Albany, Ind.
New Albany Mfg. Co., grates, New Albany, Ind.
New Albany Veneering Co., New Albany, Ind.
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New Almedan Quicksilver Co., Kohl bldg., San Francisco, Calif.
New Amsterdam Casualty Co., accident & emplrs.' liability ins., 59 John, New York.
New Baden Milling Co., flour, New Baden, Ill.
New Bedford Boiler & Machine Co., 42 Front, New Bedford, Mass.
New Bedford Cordage Co., 120 Broadway, New York; mills, Court st., New Bedford, Mass.
New Bedford Gas & Edison Light Co., water-gas tar, Purchase, New Bedford, Mass.
New Bedford Rubber Co., 66 William, New Bedford, Mass.
New Bedford Shuttle Co., tex. machy., supplies, etc., Rockdale av., New Bedford, Mass.
New Bedford Valve Mfg. Co., New Bedford, Mass.
New Bern Cotton Oil & Fertilizer Mills, New Bern, N. C.
New Bern Iron Works & Supply Co., New Bern, N. C.
New Bethlehem Fabric Mfg. Co., canvas gloves, New Bethlehem, Pa.
New Bethlehem Hol. Tile Co., New Bethlehem, Pa.
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New Brighton Plaster Co., New Brighton, Pa.
New Britain Machine Co., 80 Chestnut St., New Britain, Conn.
New Britain Sheet Metal Co., radiator fans, 356 S. Main, New Britain, Conn.
New Britain Tool & Mfg. Co., 10 Harvard St., New Britain, Conn.
New Brunswick Iron & Metal Co., New Brunswick, N.J.
New Brunswick Iron Wks., New Brunswick, N. J.
New Can Co., 320 A St., Boston, Mass.
New Castle Elastic Pulp Plaster Co., New Castle, Pa.
New Castle Fndry. Co., New Castle, Ind.
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New Castle Lumber & Constr. Co., New Castle, Pa.
New Castle Paper Mills, New Castle, Pa.
New Central Foundry Co., Lewisburg, Pa.
New Chicago Specialty Co., toys, games & novelties, New Chicago, Ind.
New City Iron Wks., 4857 Racine Ave., Chicago.
New Co., J. M., Hartford, Conn.
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New Comer Trailer Mfg. Co., 1125 Santa Fe av., Los Angeles, Calif.
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New, D. F., Carrolton, Ga.
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New England Concrete Constr. Co., 201 Devonshire, Boston, Mass.
New England Construction Co., Springfield, Mass.
New England Cornice Co., 248 Bremen, E. B., Boston, Mass.
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New England Eng'g Co., 31 W. Main St., Waterbury, Conn.
New England Envelope Co., 8 Eden, Worcester, Mass.
New England Felt Roofing Works, 101 Milk, Boston, Mass.
New England Fibre Blanket Co., 30 Shrewsbry, Worcester, Mass.
New England Fish Co., Fish Pier, Boston, Mass.
New England Fuel & Transportation Co., 111 Devonshire St., Boston, Mass.
New England Furniture & Carpet Co., Dept. H, 5th, 6th & Marquette av., Minneapolis, Minn.
New England Granite Works, Westerly, R. I.
New England Granite Works, 489 5th Ave., New York.
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New England Lime Co., Danbury, Conn.
New England Lock & Hinge Co., Winchenden, Mass.
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New England Mach. & Elec. Co., Pawtucket, R. I.
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New England Oil Refining Co., lubricating oils, 60 Federal, Boston, Mass.
New England Pin Co., Winsted, Conn.
New England Plbg. Supply Co., 398 Bridge St., Springfield, Mass.
New England Purity Paper Bottle Co., paper bottles, Northampton, Mass.
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New England Quartz Co. of N. Y., 150 Nassau St., New York.
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New England Road Machy. Co., rock crushers, 15 S. Market, Boston, Mass.
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New England Sand & Gravel Co., 161 Devonshire St., Boston, Mass.
New England Screw Co., 44-54 Farnsworth St., Boston, Mass.
New England Sheet Metal Works, tanks & cornices, 311 Broadway, Fresno, Calif.
New England Steam Gauge Co., Niantic, Conn.
New England Steel Roofing Co., 274 Main St., Worcester, Mass.
New England Structural Co., Everett, Mass.

New England Supply Co., meat packers, 15 Gordon av., Providence, R. I.
New England Tank & Tower Co., Everett (Boston), Mass.
New England Tool & Machine Co., Inc., Campechi St., Springfield, Mass.
New England Trunk Co., 36 Chauncy St., Boston, Mass.
New England Tube & Stamping Co., West Haven, Conn.
New England Truck Co., 86 Lunenburg Ave., Fitchburg, Mass.
New England Ventilating & Heating Co., 926 Manton Ave., Providence, R. I.
New England Westinghouse Co., guns & rifles, Chicopee & Springfield, Mass.
New England Wire Die Co., Waterbury, Conn.
New England Wire Machinery Co., New Haven, Conn.
New Era Canning Co., New Era, Mich.
New Era Fire Protection Engrs., Inc., 232 E. Erie St., Chicago.
New Era Mfg. Co., alloy metals, boiler compounds, packing mfrs., etc., Kalamazoo, Mich.
New Era Mfg. Co., 476 Broadway, New York.
New Era Milling Co., flour, Arkansas City, Kan.
New Era Optical Co., 17 N. Wabash Ave., Chicago.
New Era Radio Sales Co., Elmira, N. Y.
New Era Spring & Specialty Co., 100 Hamilton Ave., Grand Rapids, Mich.
New Era Toy Mfg. Co., Inc., Cherry Creek, N. Y.
New Farson Mfg. Co., Chester, Pa.
New Foundry Appliance Co., Hamilton, Ohio.
New Glarus Lumber Co., New Glarus, Wis.
New Hampshire Artistic Web Co., Barnstead, N. H.
New Hampshire Granite Co., Concord, N. H.
New Hartford Canning Co., Ltd., New Hartford, N. Y.
New Hartford Cotton Mfg. Co., surgical gauze, New Hartford, N. Y.
New Haven Boiler Works, New Haven, Conn.
New Haven Clock Co., 133 Hamilton St., New Haven, Conn.
New Haven Copper Co., Seymour, Conn.
New Haven Elec. Mfg. Co., knife switches, 296 Elm, New Haven, Conn.
New Haven Fence & Fire Escape Co., iron railings, 220 Washington av., New Haven, Conn.
New Haven Gas Light Co., 80 Crown Ave., New Haven, Conn.
New Haven Lumber & Supply Co., New Haven, Ind.
New Haven Machine Co., cylinder & crankshaft grinding, 157H Orange, New Haven, Conn.
New Haven Midget Milling Co., flour, New Haven, W. Va.
New Haven Mill Co., flour, New Haven, Ky.
New Haven Pattern & Model Works, 63 Foote, New Haven, Conn.
New Haven Pleating & Novelty Co., electroplating of every description, 31 Artizan, New Haven, Conn.
New Haven Plumbing Supply Co., 209 Meadow, New Haven, Conn.
New Haven Rigging Co., dock bldrs., 902 Chapel, New Haven, Conn.
New Haven Sand Blast Co., The, New Haven, Conn.
New Haven Saw Mill Co., lbr. mfrs., S. Pine, Chapel & East, New Haven, Conn.

NEW HAVEN SCREW CO., 199 Foster, New Haven, Conn.

New Haven Sherardizing Co., 868 Windsor Ave., Hartford, Conn.
New Haven Switch Co., switch boards, Blakeslee av., New Haven, Conn.
New Holland Mach. Co., New Holland, Pa.
New Holstein Canning Co., New Holstein, Wis.
New Home Sewing Machine Co., Orange, Mass.
New I. D. Seat Co., carriage bodies, Rohrerstown, Pa.
New Idea Spreader Co., Coldwater, Ohio.
New Ideal Pump Co., St. Louis, Mo.
New Jersey Asbestos Co., 1 Water St., New York.
New Jersey Brush Co., Bloomfield, N. J.
New Jersey Button Wks., 49 Dickerson, Newark, N. J.
New Jersey Cement Constr. Co., 365 Park, Newark, N. J.
New Jersey China Pottery Co., Trenton, N. J.
New Jersey Clay Pot Co., glass house clay supplies, Vineland, N. J.
New Jersey Coated Paper Co., Montclair, N. J.
New Jersey Crayon Co., 23H Bridge, Paterson, N. J.
New Jersey Eng. & Supply Co., 577 Main Ave., Passaic, N. J.

NEW JERSEY FOUNDRY & MACHINE CO., 90 West St., New York.

New Jersey Lamp Works, The, 285 Broome St., Newark, N. J.
New Jersey Lamp & Bronze Wks., New Brunswick, N. J.
New Jersey Lime Co., Hamburg, N. J.
New Jersey Machine Corp., 1401 Clinton St., Hoboken, N. J.
New Jersey Machinery Exchange, 21-23 Mechanic St., Newark, N. J.
New Jersey Optical Co., 91 Runyon, Newark, N. J.
New Jersey Paint Works, Wayne St., Jersey City, N. J.
New Jersey Pulverizing Co., silica, 13 Park Row, New York.
New Jersey Rubber Co., Lambertville, N. J.
New Jersey School Furniture Co., Murray & Artisan St., Trenton, N. J.
New Jersey Shipbuilding Co., Gloucester City, N. J.
New Jersey Stone & Tile Co., Atlantic City, N. J.

NEW JERSEY TERRA COTTA CO., Singer Bldg., New York.
Factory:
Perth Amboy, N. J.
Agents:
Boston, Mass.—Samuel B. Orth, 43 Tremont.
Buffalo, N. Y.—Seneca Clay Co., Ellicott Sq. Bldg.
Cincinnati, O.—E. F. Grand Brick Co., Mercantile Library Bldg.
Columbus, O.—Allan Ross Raff, 63 Ruggery Bldg.
Detroit, Mich.—F. B. Holmes, 697 York, cor. 3rd Ave.
Lansing, Mich.—The Briggs Co.
Montreal, Can.—Webster & Sons, Ltd., 31 Wellington.
New Orleans, La.—Erskine W. Fisher, 714 Union.
Norfolk, Va.—Grover L. White, Withers Bldg.
Richmond, Va.—Henry W. O'Grady, Mutual Bldg.

New Jersey Trap Rock Co., Morristown, N. J.
New Jersey Veneer Co., veneered panels, Paterson, N. J.

NEW JERSEY WIRE CLOTH CO., THE, 652 S. Broad St., Trenton, N. J.
Boston, Mass.—93-95 Pearl St.
Columbus, O.—8 E. Long St.
New York—210 Fulton St.
Philadelphia, Pa.—223-227 Arch St.
Agencies:
Atlanta, Ga.—John A. Roebling's Sons Co., Avon Ave. & Ashby St., Oakland City.
Chicago—John A. Roebling's Sons Co., 165 W. Lake St.
Los Angeles, Calif.—John A. Roebling's Sons Co., of Calif., 216 S. Alameda St.
Portland, Ore.—John A. Roebling's Sons Co., of Calif., 14th & Lovejoy Sts.
San Francisco, Calif.—John A. Roebling's Sons Co., of Calif., 624-646 Folsom St.
Seattle, Wash.—John R. Roebling's Sons Co., of Calif., 900 First Ave., S.

New Jersey Wire Stitching Mach. Co., Camden, N. J.

NEW JERSEY ZINC CO., 160 Front St., New York.
Branch Offices:
CALIF.—San Francisco—1205 Merchants Exchange Bldg.
ILL.—Chicago—1111 Marquette Bldg.
O.—Cleveland—1138 Guardian Bldg.
PA.—Pittsburgh—1439 Oliver Bldg.
Warehouses:
CALIF.—Los Angeles. Oakland. San Francisco.
ILL.—Chicago.
IND.—Indianapolis.
KY.—Louisville.
MD.—Baltimore.
MICH.—Detroit.
MINN.—St. Paul.
MO.—Kansas City. St. Louis.
N. J.—Newark.
N. Y.—Brooklyn. Buffalo.
O.—Cincinnati. Cleveland. Toledo.
PA.—Philadelphia. Pittsburgh.

New Jersey Zinc Co. of Pa., Palmerton, Pa.
New Kensington Fibre Plaster Co., New Kensington, Pa.
New Kensington Stone Co., Wilkinsburg, Pa.
New Lexington Clay Mfg. Co., New Lexington, Ohio.
New Lexington Sand Co., New Lexington, Ohio.
New Liberty Washing Machine Co., St. Paul, Minn.
New Lisbon Canning Co., New Lisbon, Ind.
New London Broaching Machine & Tool Co., New London, Conn.
New London Marine & Iron Wks., machsts. & fndrs., New London, Conn.
New London Screw & Nut Works, New London, Ohio.
New London Ship & Engine Co., Groton, Conn.
New London Vise Works, New London, Conn.
New Louisville Rendering Co., Louisville, Ky.
New Machine Co., Danbury, Conn.
New Martinsville Glass Mfg. Co., New Martinsville, W. Va.
New Metal Tool Steel Co., case hardening compounds, Sebago Lake, Me.
New Metals & Process Co., Inc., lead smelters, Reading, Pa.
New Method Stove Co., Mansfield, O.
New Mexico Lumber Co., El Vado, N. M.
New Milford Foundry & Machine Co., New Milford, Conn.
New Monarch Machine & Stamping Co., Des Moines, Ia.
New Orleans Boiler Wks., 643 Magazine, New Orleans, La.
New Orleans Butchers' Co-operative Abbatoir Co. (Ltd.), tallow, New Orleans, La.
New Orleans Corrugated Fibre Box Factory, New Orleans, La.
New Orleans Furn. Mfg. Co., Dept. H, foot of Belle Castle, New Orleans, La.
New Orleans Machine Works, 509 Conti, New Orleans, La.
New Orleans Roofing & Metal Co., Cortez & Orleans, New Orleans, La.
New Palestine Mfg. Co., New Palestine, Ind.
New Philadelphia Const. Co., New Philadelphia, Ohio.
New Phoenix Fdry. & Mach. Co., Springfield, Mo.
New Pittsburgh Coal Co., Columbus, O.
New Prague Foundry Co., New Prague, Minn.
New Process Co., auto accessories, Warren, Pa.
New Process Cork Co., 68 35th, Brooklyn, N. Y.
New Process Gear Corp., 500 Plum St., Syracuse, N. Y
New Process Line Co., Dept. H, McGraw, N. Y.
New Process Roofing & Supply Co., Dallas, Texas.
New Process Specialty Co., 230 Hanover St., Milwaukee, Wis.
New Process Twist Drill Co., Taunton, Mass.
New River & Pocahontas Consolidated Coal Co., Philadelphia, Pa.
New River Collieries Co., coal mine, 120 Broadway, New York.
New River Co., coal mine, McDonald, W. Va.
New River Hardware Co., whol., Hinton, W. Va.
New River Lbr. Co., 1601 Union Trust Bldg., Cincinnati, O.
New River Whol. Hdwe. Co., Hinton, W. Va.
New Riverside Ochre Co., clays, Cartersville, Ga.
New Roads Oil Mill & Mfg. Co., New Roads, La.
New Rochelle Coal & Lumber Co., masons' & bldrs.' matls., New Rochelle, N. Y.
New Specialty Mfg. Co., Council Bluffs, Ia.
New Speed Carburetor Co., San Francisco, Calif.
New Standard Adding Mach. Co., 1811 Pine St., St. Louis, Mo.
New Standard Hdwe. Wks., machsts. & fndrs., Mount Joy, Pa.
New Star Auto Metal Works, bodies, 1615 S. Michigan, Chicago, Ill.
New State Sash & Door Co., 615 W. 2d, Oklahoma City, Okla.
New Staunton Coal Co., Security bldg., St. Louis, Mo.
New Stone Canning Co., Fordland, Mo.
New Ulm Feed & Cereal Mill Co., New Ulm, Minn.
New Ulm Machine & Iron Works, New Ulm, Minn.
New Ulm Roller Mill Co., flour, New Ulm, Minn.
New Ulm Stone Co., New Ulm, Minn.
New Union Lumber Co., Linton, Ind.
New Vernon Basket Co., 2339 E. 52d, Los Angeles, Calif.
New Wapakoneta Wheel Co., Wapakoneta, Ohio.
New Way Knitting Co., sweaters, cardigans, Williamston, Mich.
"New Way" Motor Co., Lansing, Mich.
New Westerly Granite Co., Milford, N. H.
New Williams Mill Co., Inc., corn mills, N. Wilkesboro, N. C.
New Winona Mfg. Co., Winona, Minn.
New Writerpress Co., addressing, duplicating & office printing machines, Shelton, Conn.
New York & New England Cement & Lime Co., 25 Broadway, New York.
New York & New Jersey Lubricant Co., 401 Broadway, New York.
New York & Pennsylvania Co., 220 5th Ave., New York.
New York & Philadelphia Coal & Coke Co., Prod. Ex. Anx., New York.
New York & Richmond Gas Co., water-gas tar, Stapleton, N. Y.
New York Academy of Science, engng. schools & coll., 77th & Central Park West, New York.
New York Air Brake Co., 165 Broadway, New York.
New York Architectural Terracotta Co., 401 Vernon av., Long Island City, N. Y.
New York Asbestos Mfg. Co., 394 Canal, New York.
New York Bank Note Co., 75 6th Ave., New York.
New York Bath Mfg. Co., 103 Chambers, New York.
New York Bearings Co., 311 W. 59th, New York.
New York Bedding & Furniture Co., 1731 15th, San Francisco, Calif.
New York Belting & Packing Co., 91 Chambers St., New York.
New York Blasting Supply Co., Bowling Green Bldg., New York.
New York Blower Co., The, 2246 S. Halsted St., Chicago.
New York Blue Print Paper Co., 96 Reade St., New York.
New York Boat Oar Co., 100 Washington, New York.
New York Boston Bag Co., 56 Commercial Wharf, Boston, Mass.
New York Brass & Copper Co., 154 Grand, New York.
New York Brass & Iron Works, machsts. & fndrs., Old Natl. Bank bldg., Spokane, Wash.
New York Brass & Wire Wks. Co., 177 Grand St., New York
New York Brass Foundry Co., 405 Broome, New York.
New York Buff Co., platers' supplies, 110 E. 42nd, New York.
New York Butchers' Dressed Meat Co., stearine & meat packers, 11th av. & 39th, New York.
New York Button Works, 143 W. 19th, New York.
New York Calcium Light Co., 449 W. 53d St., New York.
New York Car Wheel Co., 15 Forest Ave., Buffalo, N. Y.
New York Carbonate Co., 1401 Park av., New York.
New York Carved Moulding Co., Inc., 256 E. 139th St. and 3rd Ave., New York.
New York Central Iron Works Co., Inc., Mitchell Ave., Extended, Hagerstown, Md.
New York Chemical Wks., 261-3 Greenwich St., New York.
New York Coil Co., 338 Pearl St., New York.
New York Color & Chemical Co., Belleville, N. J.
New York Consolidated Card Co., playing card mfrs., 4th & Webster avs., Long Island City, N. Y.
New York Consolidated Slate Co., Poultney, Vt.
New York Contin'l Jewell Filtration Co., E. Centre St., Nutley, N. J.
New York Cordage Co., 113 Spring St., New York.
New York Cotton Batting Co., Lockport, N. Y.
New York Couch Frame Co., hammock mfrs., 652 E. 12th, New York, & Meadow & Anable av., Long Island City, N. Y.
New York Cut Stone Co., producers, workers & dealers, Walnut av. & 133d, New York.
New York Die-White-Schroeder Co., 245 Centre, New York.
New York Dry Dock & Repair Co., marine railways, Erie Basin, Brooklyn, N. Y.
New York Electric Controller Co., 35 Rose, New York.
New York Elev. Co., 325 W. Broadway, New York.

NEW YORK ENAMELED STEEL SIGN CO., 47 E. 17th, New York.

New York Engine Co., 165 Broadway, New York.
New York Engineering Co., 1 Rector St., New York.
New York Feather Duster Co., 649 Broadway, New York.
New York Flexible Metallic Hose & Tubing Co., 112 W. 42d, New York.
New York Flexible Wood Flooring Co., 112 W. 42nd St., New York.
New York Gas Tubing Co., rubber goods, 806 Greenwich, New York.
New York Gear Works, 56 Greenpoint av., Brooklyn, N. Y.
New York Hard Rubber Turning Co., 212 Centre St., New York.
New York Heater & Supply Co., mill & factory supplies, 39 Cortlandt, New York.
New York High Grade Button Works, 130 Geary, San Francisco, Calif.
New York Independent Meat Co., packers, 12th av. & 131st, New York.
New York Iron Roofing & Corrugating Co., Jersey City, N. J.
New York Iron & Steel Products Co., 143 Chambers St., New York.
New York Insulated Wire Co., 114 Liberty, New York.
New York Knife Co., 225 5th Ave., New York.
New York Knitting Mills, sweaters, bathing suits, etc., 310 6th av., New York.
New York Ladder Co., 384 Hudson, New York.
New York Lap Robe Co., 219 Greene, New York.
New York Leather Belting Co., 33 Warren St., New York.
New York Lubricating Oil Co., 116 Broad St., New York.
New York Machinery Co., 200 Fifth Ave., New York.
New York Machinery Exchg., 50 Church St., New York.
New York Mackintosh Co., Mamaroneck, N. Y.
New York Mallet & Handle Works, 743 E. 11th St., New York
New York Mattress Co., Boston, Mass.
New York Metal Ceiling Co., 537-41 W. 24th St., New York.
New York Metal Edge Box Works, 212 Front, New York.
New York Mica & Mfg. Co., Auburn, N. Y.
New York Mica Products Co., 68 Murray, New York.
New York Mills, malt roasting, 458 Greenwich, New York.
New York Mills Corp., cotton duck, New York Mills, New York.
New York Millwright Co., Inc., mill & factory supplies, 86 Cortlandt, New York.
New York Mineral Flooring Co., Inc., 164 W. 13th St., New York.
New York Motion Picture Corp., films, 1459 Broadway, New York.
New York Multi Color Copying Co., 22 Thames St., New York.
New York Net & Twine Co., Moodus, Conn.
New York-New England Co., The, Holyoke, Mass.
New York Nickel Plating & Mfg. Co., supply pipes, 327 E. 63d, New York.
New York Nov. Co., machsts. & fndrs., 263 5th av., New York.
New York Oil Cabinet Co., 103 Walker St., New York.
New York Oversea Co., Inc., 17 Battery Pl., New York.
New York Piano Stool & Mfg. Co., East Stroudsburg, Pa.
New York Plumbers Specialty Co., 334 E. 98th, New York.
New York Pneumatic Service Co., 130 W. 42nd, New York.

NEW YORK PYRITES CO., INC., 25 Broad St., New York, N. Y.

New York Quebracho Extract Co., 80 Maiden Lane, New York, N. Y.
New York Quinine & Chemical Works, Iodoform, 152 William, New York.
New York Radiator Co., Utica, N. Y.
New York Revolving Portable Elevator Co., see Revolvator Co. (successors).
New York Rubber Co., 291 Broadway, New York.
New York Rubber Disc Co., washers, 215 E. 98th, New York.
New York Sand & Facing Co., 106 Grand Ave., Brooklyn, N. Y.
New York Sewage Disposal Co., 5621 Grand Central Terminal, New York.

New York Ship Building Corp., Camden, N. J.
New York Silicate Book Slate Co., 24 Vesey St., New York.
New York Slate Works, 255 E. 138th St., New York
New York Sporting Goods Co., 95 Chambers, New York.
New York Stamping Co., N. 11th & Berry, Brooklyn, N. Y.
New York Standard Ash Can Mfg. Co., 99 Kent av., New York.
New York Standard Watch Works, counters, pole, 403 Communipaw av., Jersey City, N. J.
New York State Sewer Pipe Co., Union Trust bldg., Rochester, N. Y.
New York Steel & Copper Plate Co., 61 Clymer, Brooklyn, N. Y.
New York Stencil Works, 100 Nassau St., New York.
New York Store Fixture Co., 5 E. 137th, New York.
New York Studios, projection screens, 338 W. 39th, New York.
New York Switch & Crossing Co., 15th and Madison Sts., Hoboken, N. J.
New York Tassel & Cord Co., 35 Howard, New York.
New York Testing Laboratories, 74-80 Washington St., New York.
New York Thermometer Co. (now Nurnberg Thermometer Co., Inc.).
New York Trap Rock Co., crushed stone, 101 Park av., New York.
New York University Engng. School & Coll., University Heights, New York.
New York Veneer Seating Co., 171 Pacific av., Jersey City, N. J.
New York Washer Works Co., 115 Bleecker, New York.
New York Waste Paper Co., Inc., 193 Mercer St., New York.

NEW YORK WIRE & SPRING CO., Uptown Box 6043, Hoboken, N. J.

New York Wire Cloth Co., 342 Madison Ave., New York.
New York Wire Lamp Frame Co., 1132-1134 S. Wabash Ave., Chicago.
New York Wood Working Corp., 505-7 E. 18th St., New York.
New York Woven Label Co., 45 W. 34th, New York.
New York Yacht, Launch & Eng. Co., Morris Heights, N. Y.
Newala Lime Works, Newala, Ala.
Newall, Henry B., door hangers, 89 West, New York.
Newark Air Sand Box Co., locomotive sanders, Newark, Ohio.
Newark Bay Shipyard, Port Newark, N. J.
Newark Boxboard Co., Blanchard, Newark, N. J.
Newark Brass Works, 20 Lawrence St., Newark, N. J.
Newark Brush & Scraper Co., 264-266 Fabyan Place, Newark, N. J.
Newark Brush Co., 253 Mulberry, Newark, N. J.
Newark Casting Co., Newark, Ohio.
Newark Constr. Co., Newark, Ohio.
Newark Cork Products, Inc., 26 Franklin St., Newark, N. J.
Newark Cornice & Skylight Wks. (Now Centrifugal Fan Co.), Newark, N. J.
Newark Cut Glass Co., 61 Arlington, Newark, N. J.
Newark Door Co., 221 Sussex av., Newark, N. J.
Newark Electrical Sup. Co., 223 Market St., Newark, N. J.
Newark, Elmar A., & Co., advtg. spec., Charlotte, Mich.
Newark Fire Proof Sash & Door Co., laundry tray cover, 138 Avon av., Newark, N. J.
Newark Gear Cutting Mach. Co., 65 Prospect St., Newark, N. J.
Newark Glass Co., 273 Market St., Newark, N. J.
Newark Go-Cart Mfg. Co., 199 Washington, Newark, N. J.
Newark Hair Felt Co., Lansdale, Pa.
Newark Knitting Works, sweaters, etc., 730 S. 13th, Newark, N. J.
Newark Leather Goods Works, 23 Division Pl., Newark, N. J.
Newark Leather Machy. Co., 153 Frelinghuysen av., Newark, N. J.
Newark Malleable Iron Works, Newark, N. J.
Newark Mantel & Furniture Co., 222 Market, Newark, N. J.
Newark Masons Contracting Co., 156 Ridge, Newark, N. J.
Newark Metal Co., scrap iron, Newark, N. J.
Newark Ohio Furn. Co., Dept. B, Newark, Ohio.
Newark Packing Co., meat, 217 Astor, Newark, N. J.
Newark Paraffine & Parchment Paper Co., 120 W. 22nd St., New York.
Newark Paving Co., 133 1st Newark, N. J.
Newark Plaster Co., 65 Bridge, Newark, N. J.
Newark Rivet Works, 262 Lafayette St., Newark, N. J.
Newark Sand Co., ft. Center, Newark, N. J.
Newark Second Hand Machy. Co., Newark, N. J.
Newark Sheet Metal Co., Newark, N. J.
Newark Sign Co., 354 Park av., Newark, N. J.
Newark Spring Mattress Co., 220 Broadway, New York, & 80 Madison, Newark, N. J.
Newark Stamping & Foundry Co., Newark, O.
Newark Steel & Iron Wks., 12 Mercer, Newark, N. J.
Newark Steel Post Co., West Orange, N. J.
Newark Tallow Co., soap, Newark, Ohio.
Newark Technical School, engng. school & coll., 367 High, Newark, N. J.
Newark Tube & Metal Wks., 560 Ferry, Newark, N. J.
Newark Varnish Wks., 111 Delancey St., Newark, N. J.
Newark Weather Strip & Screen Co., 7 Nevada, Newark, N. J.

NEWARK WIRE CLOTH CO., 357-371 Vienna Ave., Newark, N. J.

Newaygo Portland Cement Co., Newaygo, Mich.
Newbegin Lumber Co., W. R. Rust Bldg., Tacoma, Wash.
Newbern Iron Works & Supply Co., mill & factory supplies, Newbern, N. C.
Newberry Cotton Mills, sheetings, Newberry, S. C.
Newberry, Isaac, turpentine, Arlington, Ga.
Newberrys Hardware Co., mill & factory supplies, Alliance, Neb.
Newbery Elec. Corp., elec. fixture mfrs., etc., 724 S. Olive, Los Angeles, Calif.
Newbold & Son Co., R. S., Norristown, Pa.
Newborn, W. H., & Co., bottle mfrs., Royersford, Pa.
Newburgh Cornice Wks., see Kempler, Philip, Co. (successor).
Newburgh Lumber Co., Newburgh, N. Y.
Newburgh Planing Mill Co., Newburgh, N. Y.
Newburgh Shipyards, Inc., Newburgh, N. Y.
Newburgh Silk Co., umbrella cloth, Newburgh, N. Y.
Newbury & Son, J. H., Goshen, N. Y.
Newbury, J. G., Iron Wks., machsts. & fndrs., Coxsackie, N. Y.
Newbury Mfg. Co., Monroe, N. Y.
Newburyport Counter Co., Newburyport, Mass.
Newby & Evans Co., pianos, So. blvd. near E. 136th, New York.
Newby, C. H., brick, Lynnville, Ia.
Newcastle Portland Cement Co., fire brick, New Castle, Pa.
Newcastle Steel Products Co., Newcastle, Pa.
Newcomb, F. H., employees' uniforms, 136 Flatbush av., Brooklyn, N. Y.
Newcomb Loom Co., Davenport, Ia.
Newcomb-Macklin Co. (Picture Frames, etc.), 2 W. Kinzie St., Chicago.
Newcomb Mfg. Co., F. J., 42 W. 13th St., New York.

NEWCOMB SPRING CO., 237 40th, Brooklyn, N. Y.

Newcombe, T. J., granite, Barre, Vt.
Newcomber, J. M., & Co., masons' & bldrs.' matls., Waynesboro, Pa.
Newcomer Coke Co., Uniontown, Pa.
Newell & Brother, soap, Army & San Bruno, San Francisco, Calif.
Newell & Knowlton, machsts. & fndrs., Peabody, Mass.
Newell Coal & Lumber Co., masons' & bldrs.' matls., Pawtucket, R. I.
Newell, Fred E., Central Falls, R. I.
Newell, L. B., cloth & metal signs, 170 Summer, Boston, Mass.
Newell Lumber Co., Eunice, La.
Newell Mfg. Co., 149 Broadway, New York.
Newell Mfg. Co., machsts. & fndrs., Ogdensburg, N. Y.
Newell-Mueller Co., 291 Hawthorne, Portland, Ore.

NEWELL, R. B., 14 W. Washington St., Chicago.

Newfield Silver Mfg. Co., electric auto lamps, State & Ash, Bridgeport, Conn.
Newfields Iron Foundry, Newfields, N. H.
Newgard & Co., Henry, 549 Washington Blvd., Chicago.
Newhall Chain Forge & Iron Co., 90 West St., New York.
Newhall, G. S., & Co., leather, 112 Beach, Boston, Mass.
Newhall, Geo. M., Engng. Co., 149 Broadway, New York.
Newhall Labor Saving Equipment Co., Reynolds Bldg., Ft. Worth, Tex.
Newhof, L., fertilizer mfrs., Albany, N. Y.
Newichawanick Co., carriage robes, woolen blankets, South Berwick, Me.
Newlands Bros., machsts. & fndrs., 28th & A. V. Ry., Pittsburgh, Pa.
Newlands Sanitary Laboratory, 11 Laurel, Hartford, Conn.
Newlin-Knight Hardware Co., 411 Commerce, Philadelphia, Pa.
Newlon Foundry & Machine Co., Grafton, W. Va.
Newman & Carey Sub. Constr. Co., 105 Court, Brooklyn, N. Y.
Newman & Co., cornices, Ogden, Utah.
Newman & Co., Inc., David, 10 Hanover St., New York.
Newman, A., machst. & fndr., Amber, N. Y.
Newman, A. J., marble & stone monuments, Shreveport, La.
Newman-Andrews Co., 26 Cortland St., New York.
Newman Bros. Co., organs, pianos & players actions, 806 Dix, Chicago, Ill.
Newman, C., Wire Co., 25 Church, New York.
Newman Charcoal Co., E. B., 548 W. 25th St., New York.

NEWMAN CLOCK CO., 428 Broadway, New York.

Newman, E. W., flour mills, Ashland, Va.
Newman, Julius, window shade mfrs., 1170 Broadway, New York.
Newman, J. J., Lumber Co., Traders' Bk. bldg., Scranton, Pa.
Newman Lbr. Co., J. J., Hattiesburg, Miss.
Newman Machine Co., Jackson St., Greensboro, N. C
Newman Mfg. Co., 79 Barclay St., New York.
Newman Manufacturing Co., jigs & fixtures, 542 W. Jackson, Chicago, Ill.

NEWMAN MFG. CO., 420 Elm St., Cincinnati, O. Chicago—68 W. Washington St., W. J. Newman.

Newman-Monroe Co., 5 S. Wabash Ave., Chicago.
Newman-Munderloh Clock Co., Ltd., 51 Victoria Sq., Montreal, Can.
Newman Tool Co., 241 Centre St., New York.
Newman, W. H. H., & Co., tin plate, metals, etc., 70 Main, Buffalo, N. Y.
Newman, W. J., Co., contractors, 19 N. Curtis, Chicago, Ill.
Newman, Wm. E., 1055 Post, San Francisco, Calif.
Newmann, Stern Co., radio crystals, E. 12th & Walnut, Cleveland, O.
Newmans' Merchandise Dispenser Co., refrigerators, 2901 San Pablo Ave., Oakland, Calif.
Newmarket Mfg. Co., cotton sheetings, Newmarket, N. H.
Newport Boiler Co., 105 S. Dearborn St., Chicago.
Newport Chemical Co., 168 River Drive, Passaic, N. J.
Newport Chemical Co., 425 E. Water St., Milwaukee, Wis.
Newport Construction Co., Herkimer, N. Y.

NEWPORT CULVERT CO., INC., 623 W. 10th St., Newport, Ky.

Pres.—Jos. B. Andrews.
V. P.—Jas. Gaff Andrews.
Secy-Treas.—Frank A. Moeschl.
Gen. Mgr.—W. H. D. Wheat.

Newport Foundry & Machine Co., mill & factory supp., Newport, Ark.
Newport Foundry Co., Newport, Ky.
Newport Lumber Co., Newport, Ark.
Newport Mfg. Co., Newport, Ky.
Newport Mill Co., flour, Newport, Tenn.
Newport News Ship & D. D. Co., 233 Broadway, New York.
Newport Optical Mfg. Co., goggles, 28 Boerum, Brooklyn, N. Y.
Newport Pressed Brick & Stone Co., Newport, Ky.

NEWPORT ROLLING MILL CO., 9th and Lowell St., Newport, Ky.

Pres.—A. K. Andrews.
V. P.—Jos. B. Andrews.
Secy. and Treas.—Jos. Gaff Andrews.
Gen. Mgr. of Sales—Frank A. Moeschl.

Newport Sand Bank Co., Newport, Ky.
Newth, N. J., Hardware Co., Ilion, N. Y.
Newton & Co., woolen flannels, Homer, N. Y.
Newton & Haggerty Ladder Co., Ann Arbor, Mich.
Newton & Hill, mill & facty. supplies, Fort Edward, N. Y.
Newton & Hoit Co., The, 1018 S. Wabash Ave., Chicago.
Newton & Thompson Mfg. Co. (Handles), Brandon, Vt
Newton & Thompson Mfg. Co., locked cornered boxes & wood turning, 200 5th av., New York.
Newton & Weller Co., hdwe., San Antonio, Texas.
Newton, A. E., & Co., oils & greases, 164 Prospect av., Brooklyn, N. Y.
Newton Automatic Lettering Pen Co., Pontiac, Mich.
Newton-Burrell Cedar Co., Old Nat'l Bank Bldg., Spokane, Wash.
Newton Co., The, 115-117 Nassau St., New York
Newton, C., stage lights & stereopticons, 331 W. 18th, New York.
Newton, C. T., lamps, 305 W. 15th, New York.
Newton Chemical Co., wood alcohol, Olean, N. Y.
Newton, E. C., Corp., 2823 Silves, Los Angeles, Calif.
Newton, Edwin A., machsts. & fndrs., 19th & Hamilton, Philadelphia, Pa.
Newton Engineering Co., 221 Grand, Milwaukee, Wis.
Newton, F. C., sash, door & blind, 57 Bristol, Boston, Mass.
Newton Falls Mfg. Co., The, Newton Falls, O.
Newton Falls Paper Co., Watertown, N. Y.
Newton Fire Brick Co., Albany, N. Y.
Newton, James, print'g presses & mach'y, 116 Nassau, New York.
Newton Line Co., fish line mfrs., Homer, N. Y.
Newton Lumber & Investment Co., Pueblo, Colo.
Newton Lumber & Mfg. Co., Colorado Springs, Colo.
Newton Lumber Co., Newton, Kan.
Newton Machine Tool Works, Inc., see Consolidated Machine Tool Corp. of America (successors).

NEWTON MFG. CORP., screw machine products, Plainville, Conn.

Newton Milling & Elevator Co., Newton, Kan.
Newton Oil Mill, fertilizer mfrs., Newton, Miss.
Newton Paper Co., Holyoke, Mass.
Newton Roller Mills, Newton, N. C.
Newton Steel Co., Newton Falls, O.
Newton Steel Co., Youngstown, O.
Newton, Theo., & Co., contractors, 183 Ann, Hartford, Conn.
Newton, W. A., & Co., contractors, Mill River lane, Springfield, Mass.
Newton Wagon Co., Batavia, Ill. See Emerson-Brantingham Co., Rockford, Ill.
Newton's California Fireworks Co., 249 Front, San Francisco, Calif.
Newtonsville Canning Co., Newtonsville, Ohio.
New Winona Mfg Co., Winona, Minn.
Ney Company, J. M., 71 Elm St., Hartford, Conn.
Ney Hay Tool Co., V. L., 906 Spring Ave., N. E., Canton, O.
Ney Mfg. Co., 1006 High Ave., S. W., Canton, O.
Niagara Alkali Co., hydrochloric acid, caustic soda, potash, etc., Niagara Falls, N. Y.
Niagara Auto Radiator Co., auto metal bodies, 151 W. 68th, New York.
Niagara Box Co., 820 S. Division, Buffalo, N. Y.
Niagara Cotton Batting Co., Lockport, N. Y.
Niagara Electro Chemical Co., Niagara Falls, N. Y.
Niagara Electric Steel Corp., North Tonawanda, N. Y.
Niagara Emery Mills, Inc., 50 Broad St., New York
Niagara Envelope Manufactory, 561 Washington St., Buffalo, N. Y.
Niagara Fabric Mfg. Co., slip covers, 47H Greene, New York.
Niagara Falls Builders' Supply Co., Niagara Falls, N. Y.
Niagara Falls Furnace Co., Niagara Falls, N. Y.

NIAGARA FALLS (ONT.) GASKET & PACKING CO., packing mfrs., 831 E. 15th, Brooklyn, N. Y.

Niagara Falls Hair Cloth Wks., Niagara Falls, N. Y.
Niagara Falls Metal Stamping Works, dog tags, chains, dies, signs, etc., Niagara Falls, N. Y.
Niagara Falls Milling Co., flour, Chamber of Commerce bldg., Buffalo, N. Y.
Niagara File & Rasp Co., Lockport, N. Y.
Niagara Fire Extinguisher Co., 209 S. La Salle, Chicago, Ill.
Niagara Foundry Co., Niagara Falls, N. Y.
Niagara Gypsum Co., 597 Michigan St., Buffalo, N. Y
Niagara Insula-Bake Specialty Co., Inc., switches, elec. gds., machy., etc., Albany, N. Y.
Niagara Litho Co., signs, 1050 Niagara, Buffalo, N. Y.

NIAGARA MACHINE & TOOL WORKS, 637-697 Northland Ave., Buffalo, N. Y.

Pres.—Geo. R. Munschauer.
V. P.—F. D. Heinz.
Sec.—W. F. Schweigert.
Treas.—F. E. Munschauer.

Distributors:
CAL.—Los Angeles—Holbrook, Merrill & Stetson Co., 750 N. Spring, Main 7154.
Shaw, Palmer, Bakewell Co., 419 E. 3rd St., Pico 2396.
San Francisco—Holbrook, Merrill & Stetson Co., 6th & Bluxome, Sutter 60.
Manning, Maxwell & Moore, Inc., 40 Fremont, Karny 4518.
ILL.—Chicago—E. L. Essley Machinery Co., 555 W. Washington Blvd., Main 0505.
Maplewood Machy. Co., 2547 Fullerton, Humboldt 6097.
IND.—Indianapolis, Van Camp Hardware & Iron Co., 401 W. Maryland, Main 5000.
KY.—Louisville—Stratton & Terstegge Co., 15th & Main, West 94.
LA.—New Orleans—Woodward, Wight & Co.
MASS.—Boston, Edgeworth Steel Co., 92 Washington, North Richmond 1443.
Manning, Maxwell & Moore, Inc., 99 Chauncy St., Beach 4824.
Richards & Co., Inc., 200 Causeway, Richmond 0357.
MICH.—Detroit—Chas. A. Strelinger Co., 149 E. Larned, Cadillac 7080.
MO.—Kansas City—Townley Metal & Hardware Co., 200 Walnut, Main 0200.
St. Louis—Colcord-Wright Machy. & Supply Co. 1229 N. Broadway, Olive 4885.
Hammond Sheet Metal Co., 119 Cass St., Tyler 2570.
Standard Stamping Co., Broadway & Chambers, Tyler 2240.
N. Y.—New York—Manning, Maxwell & Moore, Inc., 119 W. 40th St., Bryant 6080.
H. Weiss & Co., 83 John St., Beekman 0540.
O.—Cleveland—J. M. & L. A. Osborn Co., 1541 E. 38th St., Prospect 3376.
W. M. Pattison Supply Co., 777 Rockwell Ave., Main 7320.
PA.—Philadelphia—Manning, Maxwell & Moore, Inc., Lincoln Bldg., Spruce 7216.
Sherritt & Stoer Co., Inc., 2006 Market, Locust 3750.
Pittsburgh—McClure-Johnston Co., 1143 Liberty, Grant 427.
Somers, Filter & Todd Co., 327 Water, Court 4860.
R. I.—Providence—The Congdon & Carpenter Co., 155 Canal, Union 4200.
TEX.—Houston—Peden Iron & Steel Co., 700 N. San Jacinto, Preston 4870.
VA.—Lynchburg—N. B. Handy Co.

Niagara Metal Stamping Corp., Niagara Falls, N. Y.
Niagara Metal Weather Strip Co., 33 W. Tupper, Buffalo, N. Y.
Niagara Motor Boat Co., North Tonawanda, N. Y.
Niagara Motors Corp., Dunkirk, N. Y.
Niagara Musical Instrument Co., North Tonawanda, N. Y.
Niagara Optical Co., 534 Main St., Buffalo, N. Y.
Niagara Paper Mills, Lockport, N. Y.

Niagara Radiator & Boiler Co., North Tonawanda, N. Y.
Niagara Refrigerator Works, 20 Superior, Buffalo, N. Y.
Niagara River Mfg. Co., paper & pulp mills, Niagara Falls, N. Y.
Niagara Sand Corp., White Bldg., Buffalo, N. Y.
Niagara Screw Co., 20 Lock St., Buffalo, N. Y.
Niagara Searchlight Co., projectors, Niagara Falls, N. Y.
Niagara Silk Mills, knitted gloves, North Tonawanda, N. Y.

NIAGARA SMELTING CORP., caustic soda, Niagara Falls, N. Y.

Niagara Sprayer Co., machsts., Middleport, N. Y.
Niagara Textile Co., huck towels, Lockport, N. Y.
Niagara Thread Co., Ontario & Janney, Philadelphia, Pa.
Niagara Wall Board Co., Morgan Bldg., Buffalo, N. Y.
Nial Bros. Construction Co., Troy, N. Y.
Niantic Menhaden Oil & Guano Co., fertilizer mfrs., South Lyme, Conn.
Niasco Chem. Co., arsenic, cobalt, oxide & glauber salts, New Market, N. J.
Nibley Mimnaugh Lumber Co., Wallowa, Ore.
Nice Ball Bearing Co., 30 & Nicetown Sts., Philadelphia, Pa.
Nice Company, Eugene E., 268-274 S. 2nd St., Philadelphia, Pa.
Nicetown Plate Washer Co., 1824 W. Juniata St., Philadelphia, Pa.
Nichol & Co., Thos. J., 3538 Bevis Evan St., Cincinnati, O.
Nichol-Straight Foundry Co., 319 W. Austin Ave., Chicago, Ill.
Nicholas & Stephenson, machsts. & fdrs., 208 Summer, Boston, Mass.
Nicholas, L. V., Oil Co., Omaha, Neb.
Nicholas Power Co., moving picture machines, 90 Gold, New York.
Nicholls Co., Inc., Wm. H., 2-10 College Place, Brooklyn, N. Y.
Nicholls-Loomis Co., flour & feed, 2505 Santa Fe, Los Angeles, Calif.
Nicholls Mfg. Co., Ottumwa, Ia.

NICHOLS & BRO., GEO. P., 2139 Fulton St., Chicago.
Geo. P. Nichols, S. F. Nichols.

Nichols & Cox Lbr. Co., Godfrey St., S. W. Grand Rapids, Mich.
Nichols & Lindeman, contractors, Norfolk, Va.
Nichols & Shepard Co., Battle Creek, Mich.
Nichols & Stone Co., Logan St., Gardner, Mass.
Nichols & Wright Motor Co., elec. light plants, 28 Parkridge av., Buffalo, N. Y.
Nichols, A. W., wood handles, Alba, Mich.
Nichols, Arthur R., landscape architect, 1200 2d av., Minneapolis, Minn.
Nichols Bros., see The Wells Corporation (successor).
Nichols Bros., lbr., Norfolk, Va.
Nichols Contracting Co., Atlanta, Ga.
Nicho's Copper Co., 25 Broad St., New York.
Nichols, D. M., Iron Wks., machsts. & fdrs., 2 Gouvernor pl., New York.
Nichols, Dean & Gregg, 8th Sibley & Temperance Sts., St. Paul, Minn.
Nichols, E. M., 1321 Parrish St., Philadelphia, Pa.
Nichols Electric Furniture Co., tea wagons, Bennington, Vt.
Nichols, Fred Y., Successor to S. R. Drum Mfg. Co., 2907 S. Wabash Ave., Chicago.

NICHOLS, GEORGE W. (Gould Water Pumps Mfrs., Wholesale Distributors and Erectors), Binnewater, N. Y.

Nichols, J. B., & Son, fertilizer mfrs., 9 E. Camden, Baltimore, Md.
Nichols, J. M., & Co., contractors, Tacoma, Wash.
Nichols, J. M., brick, common, Dyersburg, Tenn.
Nichols, J. S., brick, Columbus, Neb.
Nichols, J. W., lbr., Coffeeville, Ala.
Nichols-Lintern Co., The, 8404 Lorain Ave., Cleveland, O.
Nichols, N. J., Co., leather boards, South Coventry, Conn.
Nichols Paint Co., George W., Cottekill, N. Y.
Nichols, R. H., 38 17th St., Buffalo, N. Y.
Nichols, W. E., Sons Co., knives, cleavers & steels, 52 Mill, Greenfield, Mass.
Nichols, W. H., watchmakers' machy., typewriter parts, etc., Waltham, Mass.
Nichols, Wm. C., 726, 14 N. W., Washington, D. C.
Nichols Wire & Sheet Co., 21st & Baltimore, Kansas City, Mo.
Nicholson & Co., crane chains, Rankin, Pa.

NICHOLSON & CO., W. H., 1200 Oregon St., Wilkes-Barre, Pa.
Pres.—S. T. Nicholson.
V. P. & Treas.—Geo. Nicholson.
Sec. & Mgr.—H. S. Nicholson.

Nicholson & Galloway, cornices & skylights, 646 Hudson, New York.
Nicholson & Son, Jas. A., 810 N. Eutaw, Baltimore, Md.
Nicholson, Aaron, Albany, N. Y.
Nicholson Brick Co., Steubenville, O.
Nicholson Bros., brick, Dutchess Junction, N. Y.
Nicholson File Co., Port Hope, Ont., Can.

NICHOLSON FILE CO., steel file & rasp mfrs., Providence, R. I.

Nicholson, John G., sash, door & blind, 27 Ashley blvd., New Bedford, Mass.
Nicholson, Jos., & Son, contractors, 101 Tremont, Boston, Mass.
Nicholson, K., Furn. Co., furn., Dept. H, Chase City, Va.
Nicholson-Kendle Furn. Co., furn., Dept. H, 20th & 2d av., Huntington, W. Va.
Nicholson Printing Co., 322-3rd Ave., Pittsburgh, Pa.
Nichthauser & Levy, tinware mfrs., 252 Java, Brooklyn, N. Y.
Nickel, Adolph, Mfg. Co., buffing wheels, 715 Sycamore, Cincinnati, Ohio.
Nickel, F. J., & Son, machsts., Holt, Mich.
Nickel Hardware & Supply Co., Wausau, Wis.
Nickel-Lyneis Construction Co., Fond du Lac, Wis.
Nickel Plate Foundry Co., machinists & fdrs., Woodworth & Cort rd., Cleveland, Ohio.
Nickel Plate Stove Polish Co., 362 E. Illinois St., Chicago.
Nickelsburg Bros. Co., harness leather, Meadow, Newark, N. J.
Nickerson Co., J. K., 1st National Bank Bldg., Cincinnati, O.
Nickerson, Levi, Co., oiled clothing, Gloucester, Mass.
Nickerson Mfg. Co., porch & interior columns, 8th av., Knoxville, Tenn.
Nickerson, Wallace F., granite producers, Lanesville, Mass.
Nickey Brothers, Inc., Binghamton St., Memphis, Tenn.
Nickey, F. P., Hardware Co., cornices & skylights, Santa Ana, Calif.
Nickle Engineering Works, Saginaw, Mich.
Nickless, W. H., lbr. mfrs., Bay City, Mich.
Nickum & Kelly Sand & Gravel Co., Foot of Elder Sts., Portland, Ore.
Nickum, D. L., boiler compounds, 403 S. Alvarado, Los Angeles, Calif.
Nico Varnish Co., Chelsea, Mass.
Nico Wax Co., Inc., 3803 S. Vermont, Los Angeles, Calif.
Nicol & Co., hdwe. mfrs. specialties, 218 N. Jefferson, Chicago, Ill.
Nicol, J. M. & J. S., color mfrs. & importers, Hawthorne, N. J.
Nicola Building Co., Lambert & Penn av., Pittsburgh, Pa.
Nicola Lumber Co., Farmers' Bank bldg., Pittsburgh, Pa.
Nicola, Stone & Meyers Co., The, Hanna Bldg., Cleveland, O.
Nicolai Door Co. of Calif., 1807 E. 12th, Oakland, Calif.
Nicolai Door Mfg. Co., Denver & Argyle, Portland, Ore.
Nicolai Neppach Co., 227 Davis St., Portland, Ore.
Nicolette Lumber Co., Nicolette, W. Va.
Nicoll & Co., B., 149 Broadway, New York.
Nicoll & Co., fancy & turned wood boxes, 190-198 Hooper, San Francisco, Calif.
Nicoll's Granite Works, S. Quincy, Quincy, Mass.
Nicollet Sash & Door Co., 2900 Nicollet av., Minneapolis, Minn.
Nicotine Mfg. Co., insecticides, 117 N. Main, St. Louis, Mo.
Nicotine Production Corp., Clarksville, Tenn.
Nicoud Mfg. Co., 9 W. Illinois St., Chicago.
Nibling, F. W., & Co., ice & refrigerating machy., 406 Elm, Cincinnati, O.
Nieder & Marcus, second hand machy. & scrap iron, 3423 Klickitat, Seattle, Wash.
Nieder, Charles, leather, 231 Emmet, Newark, N. J.
Nieder, John, leather, 241 Emmet, Newark, N. J.
Niederer, J., Co., bank & office railings, Los Angeles, Calif.
Niederhaus, Fred., fertilizer, Staser, Ind.
Niederhut Carriage Co., auto bodies & wagons, 3560 Walnut, Denver, Colo.
Niederlander, D. R., Security Bldg., St. Louis Mo.
Niedner Barrel Corp., rifles & gun barrels, Dowagiac, Mich.
Niedner's, Chas., Sons Co., hose, Malden, Mass.
Niedner's Sons Co., Chas., 10 James St., Malden, Mass.
Niedringhaus Metalware Corp., St. Louis, Mo.
Niehaus Company, The Jos., 341 W. 4th St., Cincinnati, O.
Niehaus, E. F., & Co., lumber, 564 Brannan, San Francisco, Calif.
Nielson & Wilson Tool Co., for metal stamping, 133 Shelden, Hartford, Conn.
Nielson, Anton E., machsts. & fndrs., 131 Grand, New York.
Nielsen-Barton Chuck & Tool Co. (Drill Chucks), 106 S. Jefferson St., Chicago.
Nielsen, S. N., & Co., contractors, 3059 Augusta, Chicago, Ill.
Nielson Supply Co., 810 First Nat'l Bank Bldg., Chicago.
Niemann & Huronymus, agrl. implts., Mount Olive, Ill.
Niemann Bros., poultry coops, Mt. Olive, Ill.
Niemann Table Co., 77th & Cottage Grove av., Chicago, Ill.
Niemes, Hy., heating contr., 4112 Hamilton av., Cincinnati, Ohio.
Niemeyer & Co., W. H., Bush & Severn, Baltimore, Md.
Niessen Bros. & Co., cabinet hdwe., Fair Oaks, Calif.
Nigh Lumber Co., Ironton, Ohio.
Night Commander Lighting Co., Jackson, Mich.
Nightingale & Childs Co., mill & facty. supplies, 205 Congress, Boston, Mass.
Nightingale, J. E., machsts., Danvers, Mass.
Nightingale-Morse Mills, cotton sheetings, Putnam, Conn.
Nikolas & Co., G. J., 1227 Van Buren St., Chicago.
Nikulas, Herman, soap, Republic, Mich.
Niland, J. J., Co., cut glassware, Meriden, Conn.
Nilco Lamp Works, Inc., Emporium, Pa.
Niles & Scott Co., Laporte, Ind.

NILES-BEMENT-POND CO., 111 Broadway, New York.
Birmingham, Ala.—2015 First Ave., N. C. Walpole.
Boston, Mass.—95 Oliver St., Marcus Chase.
Chicago—33 S. Jefferson St., G. F. Mills, D. H. Teas.
Cincinnati, O.—338 W. Fourth St., W. P. Kirk.
Cleveland, O.—730 Superior Ave., B. A. Tozzer.
Detroit, Mich.—120 Beaubien St., H. W. Kopf.
Dundas, Ont.—Henry Bertram.
Los Angeles, Cal.—454 E. Third St.
Montreal, Can.—Drummond Bldg., Alexander Bertram.
New York—R. M. Derby, E. L. Leeds, H. F. Welch.
Philadelphia, Pa.—405 N. 21st St., D. S. Woods.
Pittsburgh, Pa.—1115 Empire Bldg., J. L. McCartney.
Rochester, N. Y.—116 South Ave.
St. Louis, Mo.—516 N. Third St., Chas. M. Lyle.
San Francisco, Cal.—16-18 Fremont St., S. G. Eastman.
Toronto, Can.—1002 C. P. R. Bldg.
Winnipeg, Man.—1205 McArthur Bldg., Alfred Martin.

Niles Board & Paper Co., Niles, Mich.
Niles Corrugating Co., iron mfrs., Niles, Ohio.
Niles Firebrick Co., Niles, O.
Niles Forge & Mfg. Co., Niles, O.
Niles Iron & Steel Roofing Co., Niles, O.
Niles Mine & Supply Co., incline drums, wheels, etc., Citizens bldg., Cleveland, Ohio.
Niles Sand, Gravel & Rock Co., 704 Market St., San Francisco, Cal.

NILES STEEL PRODUCTS CO., THE, 490 Walnut, Niles, O.

Niles Steel Tank Co., Niles, Mich.
Niles Supporting Hook Co., Fargo, N. D.
Niles Tool Works Co., Hamilton, O.
Nill, Thos. A., cornices & skylights, Monroeville, Ind.
Niloak Pottery, Benton, Ark.
Nilson & Smith Co., contractors, Great Falls, Mont.
Nilson Bros., htg. contrs., 3222 N. Halsted, Chicago, Ill.
Nilson, Carl A., Mill & Cab. Factory, contrs. & sashes, 4216 Euclid av., Kansas City, Mo.
Nine Lumber Co., Klamath, Ore.

NILSON MACHINE CO., A. H., Bridgeport, Conn.

Nilson-Miller Co., 1300 Hudson St., Hoboken, N. J.
Nims Mfg. Co., cords, Mt. Holly, N. C.
Nims, Whitney & Co., Keene, N. H.
1900 Washer Co., Binghamton, N. Y.
Ninety-Six Cotton Mill, cotton sheetings, Ninety-Six, S. C.
Ninigret Co., tire fabric & thread, Pawtucket, R. I.
Nippert, Fred. H., contrs., 3915 S. Madison, Cincinnati, Ohio.
Nippon Lumber Co., Alpine, Wash.
Nisen, Michael, & Sons, common brick, Union Grove, Wis.
Nisqually Shingle Co., Alder, Wash.
Nissen & Co., G. E., 2721 Waughton Ave., Winston-Salem, N. C.
Niswander, G. W., & Co., masons' & bldrs.' matls.,—who. hdwe., Parkersburg, W. Va.
Nitram Mfg. Co., broom twine, 47H Long, East Orange, N. J.
Nitrate Agencies Co., potash, kainit, etc., 102 Pearl, New York.
Nitrate Fertilizer Co., Inc., 754 S. Maple av., Los Angeles, Calif.
Nitro Powder Co., Kingston, N. Y.
Nitro Pulp Mills, Inc., Nitro, W. Va.
Nitrogen Elec. Co., 36 Spring, Newark, N. J.
Nittinger, Aug., Sr., butchers' knives, 826 N. 4th, Philadelphia, Pa.
Nittinger, S., pianos, 1204 N. 5th, Philadelphia, Pa.
Nitz & Darkow, machinists & founders, 70 E. Miller, Akron, O.
Niver Iron Works Co., Muscatine, Ia.
Nivin Mfg. Co. See Crescent Washing Machine Co. (successors).
Nivision-Weiskopf Co., Main & Reading Sts., Cincinnati, O.
Nixa Canning Co., Nixa, Mo.
Nixdorf-Krein Mfg. Co., 909 Howard St., St. Louis, Mo.
Nixon & Glascoff, machsts. & fndrs., Albion, Mich.
Nixon Hardware Co., Rome, Ga.
Nixon-Hasselle Co., 703 James Bldg., Chattanooga, Tenn.
Nixon, Martin & Wm. H., Paper Co. See Dill & Collins Co. (successors).
Nixon Mining Drill Co., Water & Chestnut Sts., Chattanooga, Tenn.
Nixon Nitration Works, powder, etc., New Brunswick, N. J.
Nixon, O. K., lbr., Paden, Miss.
Nixon-Smith Construction Co., Montgomery, Ala.

NOBACH PATTERN WORKS, W. J., 411-413 S. Clinton, Chicago, Ill.

Nobbe, Fred, architect, 62 Liberty, Newark, N. J.
Nobbe, Kaphan, Co., bags & suit cases, 62 Liberty, Newark, N. J.
Noble & Cooley Co., nov. toys & games, Granville, Mass.
Noble & Hunt, machsts., 359 Mulberry, Newark, N. J.
Noble & Westbrook Mfg. Co., 9 Asylum St., Hartford, Conn.
Noble & Wood Machine Co., Hoosick Falls, N. Y.
Noble, A., canned goods, Preston, Md.
Noble Brick Co., Glenwood, Ohio.
Noble, Chas. H., corn brooms, Thompsonville, Conn.
Noble, Chas. W., steel struct. work, La Crosse, Wis.
Noble Co., K. B., Hartford, Conn.
Noble, E. M., & Co., cornices, 817 W. Monroe, Chicago.
Noble Electric Steel Co., Mills bldg., San Francisco, Calif.
Noble, F. H., & Co., advertising novelties, 555 W. 59th, Chicago, Ill.
Noble, H., Co., plastic slate roofers, Caroline & Alicesanna, Baltimore, Md.
Noble, H. H., masons' & bldrs.' matls., Gouverneur, N. Y.
Noble Machine Co., Ft. Wayne, Ind.
Noble Motor Truck Co., Kendallville, Ind.
Noble, R. F., & Co., canned goods, Cannon, Del.
Nobles, R. E., & Son, lumber, Pensacola, Fla.
Noble, Wm. K., (Cooperage), Fort Wayne, Ind.
Nobles Gypsum Co., Mutual Life Bldg., Buffalo, N. Y.
Noblit Bros. & Co., wholesale hardware, 222 S. 2d, Philadelphia, Pa.
Nobs, Chas., & Son, screw mach. products, 156 Astor, Newark, N. J.
Nocatee Crate Co., Nocatee, Fla.
Nock & Garside Elevator Co., 1844 Wazee St., Denver, Colo.
Nock, F. S., naval architect & machst., East Greenwich, R. I.
Nock, Geo. W., Co., hdwe. mfrs., 1304 Race, Philadelphia, Pa.
No-Dust Drying Machine Co., 159 Dorrance St., Providence, R. I.
Noe & Sons, Wm. R., 43 E. 10th St., New York.
Noe, C., als & beer pumps, 492 E. 167th, New York.
Noe, G. D., Harness Co., Minneapolis, Minn.
Noe, Wm. L., Co., archl. iron, 2nd & Oxford, Philadelphia, Pa.
Noecker & Ake Shipbuilding Co., Camden, N. J.
Noel, R. E., stone producer, Hinton, W. Va.
Noell, J. A., canned goods, Bedford, Va.
Noera Mfg. Co., 236 Grand Ave., Waterbury, Conn.
Noerenberg & Johnson, architects, L. A. Ry. bldg., Los Angeles, Calif.
Noesting Pin Ticket Co., Inc., Mt. Vernon, N. Y.
No-Filler Fertz. Co., Orangeburg, S. C.
Nofsinger, M. P., canned goods, Fincastle, Va.
Noglare Mfg. Co., visors, Washington Court House, O.
Nohsey & Schwab, cornices & skylights, 232 Mulberry, Memphis, Tenn.
Noice & Merrill, arch'l engnrs., Washington bldg., Los Angeles, Calif.
Noiseless Typewriter Co., The, 374 Broadway, New York. (See Remington-Noiseless Typewriter Corp).
Nokomis Coal Co., Old Colony bldg., Chicago, Ill.
Nolan & Bien, vehicle washers, 53 Cambridge, Boston, Mass.
Nolan & Johnson, contractors, Crawfordsville, Ind.
Nolan Bros., contractors, Chester & Reading, Pa., & Johnstown, N. Y.
Nolan, Jas. H., Sons Co., stone producers, Bloomington, Ind.
Nolan, Wm., Co., machinists, Lockport, N. Y.
Noland Co., Inc., Roanoke, Va.
Noland Co., plumbers' supplies, Newport News, Va.
Nold Lumber Co., C. H., St. Joseph, Mo.
No Leak Paper Dish Co., McColloch, Wheeling, W. Va.
No-Leak-O Piston Ring Co., 824 W. North Ave., Baltimore, Md.
Nolin Milling Co., flour, Nolin, Ky.
Noll & Co., E. P., 21 N. 7th St., Philadelphia, Pa.
Noll Bros., agrl. machy. & hdwe., 849 Allis, Milwaukee, Wis.
Noll Bros., Bausman, Pa.
Noll, Geo. H., clothes line fasteners, 27 Crescent, Brooklyn, N. Y.
Noll, Hanworth Co., overalls, Quincy, Ill.
Noll, J. F., & Co., fertilizer mfrs., 115 Mulberry, Newark, N. J.
Noll Lumber Co., Jas. G., Denver, Colo.
Noll-Welty Lumber Co., 6908 Independence rd., Kansas City, Mo.
Nollau & Wolff Mfg. Co., 1711 Fullerton Ave., Chicago.
Nolte, Adolph, car wheel presses, Rochester, N. Y.
Nolte Brass Co., founders, Springfield, Ohio.
Nolte Construction Co., Gerke Bldg., Cincinnati, Ohio.
Nolte Screw Machine Products Co., 1536 Freeman av., Cincinnati, Ohio.
Noltke Brass Co., Springfield, O.
Nolty, Hy., Jr., carriages, Lancaster, Pa.

Nolu Oilless Bearings Co., shaft bearing, 6 E. Johnson, Germantown, Philadelphia, Pa.
Noma Motor Corp., autos, 155 av. D, New York.
Nominy Grove Canning Co., Nominy Grove, Va.
Non-Explosive Can & Tube Co., 325 N. Curtis St., Chicago.
Non Shine Pad Co., 123 N. 4th, Philadelphia, Pa.
Non-Smut Carbon Mfg. Co., 207 Tremont St., Rochester, N. Y.
Nona-Fletcher Lbr. Co., Fletcher, Tenn.
Nona Mills Co., Ltd., lumber, Beaumont, Tex.
Nonotuck Silk Co., see Corticelli Silk Co. (successor).
Nonpareil Mfg. Co., auto truck trailers, Cochranton, Pa.
Nonpareil Roofing Co., 39 E. Washington Ave., Bridgeport, Conn.
Nonpareil Skylight Co., skylights puttyless, 2611 Penna. av. N. W., Washington, D. C.
Nonpareil Toy & Novelty Co., Inc., 64 Union, Newark, N. J.
Noon Bag Co., 34 N. 1st St., Portland, Ore.
Noon, E., & Son, bathing suit mfrs., 4019 Gtn. av., Philadelphia, Pa.
Noonan, D. R., engine pistons, 219 W. Court, Paris, Ill.
Noonan, Michael, mason bldr., 171 Sixth, Bridgeport, Conn.
Noone's, Jos., Sons Co., blankets, printers' & lithographers', Peterboro, N. H.
Nooter Boiler Works Co., John, 1400 S. 2nd St., St. Louis, Mo.
Nopack Brass Mfg. Co., compression & basin cocks, Du Bois, Pa.
Norbeck & Nicholson Co., machsts. & fndrs., Redfield, S. D.
Norberg, Edwin P. & Chas. E., architects, Union Bank bldg., Los Angeles, Calif.
Norbom Engng. Co., machsts., 5th & P. R. R., Philadelphia, Pa.
Norbum Engineering Co., Darby, Pa.
Norby & With, cornices & skylights, Port Townsend, Wash.
Norcross, C. S., & Sons, agrl. implts., Bushnell, Ill.
Norcross Marble Co., Harvard & Jennings Rd., Cleveland, O.
Nord-Buffum Pearl Button Co., Louisiana, Mo.
Nord Co., contrs., 2627 Taylor, Minneapolis, Minn.
Nordberg Mfg. Co., Oklahoma Ave. & Chicago Rd., Milwaukee, Wis.
Nordby & Scott, Inc., lbr., Klicktat, Wash.
Nordby Lumber & Box Co., Couch bldg., Portland, Ore.
Nordeen Scale & Foundry Co., 2929 Grand av., Everett, Wash.
Norden, A., & Co., importers of antimony & oils, 60 Beaver, New York.
Norden Elec. Sign Co., elec. carriage calls, 112 E. 125th, New York.
Norden, J., cornices, Mount Vernon, N. Y.
Norden, S., & Co., mfrs., shoe lace tips & metal specialties, 150 S. Water, Providence, R. I.
See adv. index at end of book
Nordquist & Nelson, sash, door & blind, Seattle, Wash.
Nordquist Mach. & Mfg. Co., automatic & spec. machy., 555 N. Monroe, Chicago, Ill.
Nordyke & Marmon Co., Kentucky Ave. & Morris St., Indianapolis, Ind.
Norfolk Cereal & Flour Mills, Norfolk, Neb.
Norfolk Creosoting Co., Norfolk, Va.
Norfolk Dredging Co., 217 Water, Norfolk, Va.
Norfolk Glass Mfg. Corp., bottles & jars, Norfolk, Va.
Norfolk Granite Co., Quincy, Mass.
Norfolk Hardening Works, Inc., case hardening, 30 Federal, Boston, Mass.
Norfolk Iron & Wire Wks., Inc., Norfolk, Va.
Norfolk Iron Co., Quincy, Mass.
Norfolk Mfg. Co., steel clamps, Norfolk, Conn.
Norfolk Mattress Co., mattress mfrs., Norfolk, Va.
Norfolk Motor Equip. Corp., Norfolk, Va.
Norfolk Packing Co., Norfolk, Neb.
Norfolk Shipbuilding & Dry Dock Corp., Argyle av., Norfolk, Va.
Norfolk Varnish Co., Norfolk Downs, Mass.
Norfo'k Veneer Co., packing box mfrs., Norfolk, Va.
Norlund Novelty Co., Williamsport, Pa.
Norma-Hoffman Bearings Corp., Anable Ave., Long Island City, N. Y.
Norman Bros., turpentine, Norman Park, Ga.
Norman Buggy Co., Griffin, Ga.
Norman Co., C. Erwin, 14 W. Kinzie St., Chicago.
Norman, M. D. & J. T., turpentine, Norman Park, Ga.
Norman Milling & Grain Co., flour, Norman, Okla.
Norman Picker Co., machsts., Nanticoke, Pa. (tr.)
Norman, R. L., turpentine, Norman Park, Ga.
Norman Section, Inc., metal clad doors & cornices, Winfield, Long Island City, N. Y.
Norman Sheet Metal Mfg. Co., W. F., Nevada, Mo.
Norman, W. F., Sheet Metal Mfg. Co., wall ties, Nevada, Mo.
Norman, Wm., Co., hosiery, 1832 Ogden av., Chicago, Ill.
Norquist, A. C., Co., furn., Dept. H, Jamestown, N. Y.
Norrington, Wm., auto bodies, Fell & Gough, San Francisco, Calif.
Norris & Sons, R. W., 342 N. Gay St., Baltimore, Md.
Norris Brothers, Robinson, Ill.
Norris Bros., textile machy., supplies, Greenville, S. C
Norris Co., Amos H., Tampa, Fla.
Norris Co., L. A., 833 Citizens Natl. Bank Bldg., Los Angeles, Cal.
Norris Cotton Mills Co., cotton sheetings, Cateechee, S. C.
Norris, D. H., Co., plumbers' supplies, 279H Central av., Newark, N. J.
Norris, D. M., & Son, mill & facty. supplies, Kankakee, Ill.
Norris, J. T., canned goods, Van Bibber, Md.
Norris, L. A., Co., masons' matls., 140 Townsend, San Francisco, Calif.
Norris, Lemuel, 3451 14th N. W. W., Washington, D. C.
Norris Lumber Co., 711-715 First National Bank Bldg., Houston, Tex.
Norris Noiseless Pedal Action Co., Stoughton, Mass.
Norris, R. H., Hardware Co., Childress, Tex.
Norris, Robert O., flour mills, Lively, Va.
Norris Safe & Lock Co., 114-3rd St., S., Seattle, Wash.
Norris, W. C., oil well pumping supplies, 6 N. Frisco, Tulsa, Okla.
Norris, W. H., Lumber Co., Houston, Tex.
Norris, Wm. H., & Sons, soap, Chelsea, Mass.
Norristown Brick Co., Norristown, Pa.
Norristown Iron & Steel Co., scrap iron, Norristown, Pa.
Norristown Magnesia & Asbestos Co., Norristown, Pa.
Norristown Varnish Co. (Ltd.), Norristown, Pa.
North & Co., O. B., 67 Franklin st., New Haven, Conn.
North & Judd Mfg. Co., 500 E. Main st., New Britain, Conn.
North & Pfeiffer Mfg. Co., hdwe. mfrs., 81 Laural, Hartford, Conn.
North & Strong Lumber Co., sash, door & blind mfrs., Battle Creek, Mich.
North Adams Brick Co., North Adams, Mass.
North American Accident Insurance Co., 209 S. La Salle, Chicago, Ill.
North American Car Co., 37 S. La Salle St., Chicago.
North American Chemical Co., Bay City, Mich.
North American Construction Co., see Aladdin Co. (successors).
North American Copper Co., 52 Vanderbilt St., New York
North American Electric Lamp Co., The, 1120 S. Grand Ave., St. Louis, Mo.
North American Electrical Products Corp, 220 Bway, New York.
North American Engine Co., Algona, Iowa.

NORTH AMERICAN HANDLE CO., 166-174 Portland St., Boston, Mass.

North American Magnesite Company, Ltd., Montreal, Canada.
North American Mfg. Co., The, 5902 Carnegie Ave., Cleveland, O.
North American Mfg. Co., torches, 8908 Fredick av., Cleveland, Ohio.
North American Mercantile Co., 330 Front St., San Francisco, Cal.
North American Motors Co., automobile engines, Pottstown, Pa.
North American Railway Const. Co., 53 W. Jackson Blvd., Chicago.
North American Slide Co., 1239 Vine, Philadelphia, Pa.
North American Smelting Co., 9th and Thompson Sts., Philadelphia, Pa.
North American Tuna Canning Co., Terminal, Calif.
North American Watch Co., Mansfield, Ohio.
North Atlantic Metal Corp., 29 Broadway, New York.
North Augusta Warehouse & Fertilizer Co., North Augusta, S. C.
North Baltimore Bottle Glass Co., 17th & Grand, Terre Haute, Ind.
North Bangor Slate Co., Bangor, Pa.
North Barre Granite Co., Barre, Vt.
North Bend Fire Brick Co., Gleasonton, Pa.
North Bend Iron Works, North Bend, Ore.
North Bend Lumber Co., Edgewick, Wash.
North Bend Mill & Lumber Co., N. B., Coos Bay, Ore.
North Berwick Co., woolen flannels, North Berwick, Me.
North Bradshaw Co., contractors, Jackson, Mich.
North Branch Flooring Co., 2415 Barry Ave., Chicago.
North Branch Milling Co., flour, North Branch, Minn.
North Bridge Brush Co., sanitary brushes, all kinds, Freeport, Ill.
North Bros. Mfg. Co., Lehigh Ave. and American St., Philadelphia, Pa.
North Buffalo Hardware Fdry., 747 Hertel Ave., Buffalo, N. Y.
North Carolina & St. L. Ry., machsts. & fndrs., Nashville, Tenn.
North Carolina Granite Corp., Mt. Airy, N. C.
North Carolina, Mica Co., 80 North St., Boston, Mass.
North Carolina Naval Stores Co., Wilmington, N. C.
North Carolina Ship Bldg. Co., Moorehead City, N. C.
North Carolina Talc & Mining Co., Hewitts, N. C.
North Carolina Wheel Co., High Point, N. C.
North Chelmsford Machine & Supply Co., mill & facty. supplies, North Chelmsford, Mass.
North Chicago Brass Works, North Chicago, Ill.
North Chicago Machine Co., North Chicago, Ill.
North Chicago Roofing Co., felts, 851 W. North av., Chicago, Ill.
North Coast Dry Kiln Co., 15 W. & Newton St., Seattle, Wash.
North Coast Electric Co., 206 3rd St., Seattle, Wash
North Coast Soap Co., 6317 17th av. S., Seattle, Wash.
North Coast Tanning Co., 1138 W. 46th, Seattle, Wash.
North Dakota Harness Co., Fargo, N. D.
North Dakota Metal Culvert Co., Fargo, N. D.
North Dighton Stove Co., North Dighton, Mass.
North East Coal Co., Commercial Tr. bldg., Philadelphia, Pa.
North East Electric Co., 348 Whiting St., Rochester, N. Y.
North East Fire Brick Co., North East, Md.
North-East Metal Culvert Co., Nashua, N. H.
North-Eastern Construction Co., 101 Park Ave., New York.
North Eastern General Supply Co., masons' & bldrs.' matls., 1001 N. Patterson Pk. av., Baltimore, Md.
North Elec. Co., dry batteries, Am. Trust bldg., Cleveland, Ohio.
North Elec. Mfg. Co., telephone switchboards, Galion, O.
North End Foundry Co., 60th av. & Ry. Tracks, Milwaukee, Wis.
North End Foundry Co., machsts. & fndrs., West Allis, Wis.
North End Lumber Co., Tacoma, Wash.
North End Mfg. Co., elec. fixtures, 606 Commercial, San Francisco, Calif.
North End Paper Co., Fulton, N. Y.
North Fork Lumber Co., Boyer, W. Va.
North Indiana Brick Co., Michigan City, Ind.
North Iowa Brick & Tile Co., Mason City, Ia.
North Jersey Amiesite Co., Morristown, N. J.
North Jersey Excelsior Co., Butler, N. J.
North Jersey Paint Co., Stewartsville, N. J.
North Jersey Quarry Co., Morristown, N. J.
North Jersey Steel Co., Dover, N. J.
North Kensington Refinery, brewers' sugar, 214 E. 22d, New York.
North Lebanon Fdry. Co., 543 Maple St., Lebanon, Pa.
North Liberty Lumber & Coal Co., masons' & bldrs.' matls., North Liberty, Ind.
North Louisiana Shingle Co., Ltd., Monroe, La.
North Lubec Mfg. & Canning Co., North Lubec, Me.
North Machine Co., box presses, 324 Main, San Francisco, Calif.
North Machinery Co., 503 S. 6th St., Minneapolis, Minn.
North Manchester Foundry Co., North Manchester, Ind.
North Memphis Hardware Co., 120 N. Main, Memphis, Ten.
North Milwaukee Foundry Co., The, North Milwaukee, Wis.
North Ogden Canning Co., North Ogden, Utah.
North Pacific Lumber Co., 272 Hoyt St., Portland, Ore.
North Pacific Spike Co., bolts, etc., 272 Hoyt, Portland, Ore.
North Pacific Trading & Packing Co., Hobart bldg., San Francisco, Calif.
North Packing & Provison Co., 87 S. Market, Somerville, Mass.
North Palix Shingle Co., S. Bend, Wash.
North Philadelphia Brick Works, Rising Sun & Luzerne, Philadelphia, Pa.
North-Raffin Construction Co., Ind. Theatre bldg., Terre Haute, Ind.
North Ridge Brush Co., Freeport, Ill.
North Scituate Cotton Mills, crinoline, mosquito netting, N. Scituate, R. I.
North Shore Bldg. Material Co., sash, door & blind mfrs., 1237 Belmont av., Chicago, Ill.
North Shore Ferneries Co., conservatory, garden, lawn & porch furniture mfrs., Beverly, Mass.
North Shore Stone Co., contrs., Evanston, Ill.
North Side Constr. Co., Bessemer bldg., Pittsburgh, Pa.
North Side Foundry Co., Durham, N. C.
North Side Leather Belting Co., 248 Lorimer St., Brooklyn, N. Y.
North Side Lumber Co., Syracuse, Ill.
North Side Packing Co., meat packers, 1448 Spring Garden av., Pittsburgh, Pa.
North Side Sash & Door Co., 69 W. Wash., Chicago, Ill., & 2328 N. 2d, Minneapolis, Minn.
North Side Tool Co., The, 17 Maryland Ave., Dayton, O.
North Star Ash Can Co., ice, waste, etc., cans, 167 Chrystie, New York.
North Star Chemical Works, Inc., Lawrence, Mass.
North Star Egg Case Co., Quincy, Ill.
North Star Fdry. Co., 32nd Ave. & 27th St., Minneapolis, Minn.
North Star Iron Works Co., machinists, Owatonna, Minn.
North Star Mfg. Co., canvas gloves, Tacoma, Wash.
North Star Shingle Co., Inc., Arlington, Wash.
North Star Spinning & Mfg. Co., castings, etc., St. Paul & Minneapolis, Minn.
North Star Woolen Mill Co., 228 S. 2d, Minneapolis, Minn.
North State Lumber Co., Charleston, S. C.
North State Milling Co., flour, Greensboro, N. C.
North Texas Foundry & Machine Co., Paris, Tex.
North Tonawanda Musical Instrument Works, organs (military band), N. Tonawanda, N. Y.
North Vernon Lumber Co., North Vernon, Ind.
North Wales Foundry Co., North Wales, Pa.
North Wales Mach. Co., Inc., North Wales, Pa.
North Wayne Tool Co., Hallowell, Me.
North West Auto Top Works, auto tops, 2357 S G, Tacoma, Wash.
North West Foundries, Inc., 167 Villa St., Rochester, N. Y.
North Western Electrical Equipment Co., 174 E. 6th St., St. Paul, Minn.

NORTH WESTERN EXPANDED METAL CO., 1223 Old Colony bldg., Chicago, Ill.

North Wheeling Glass Bottle Co., ft. 3d, Wheeling, W. Va.
North Wilkesboro Roller Mills, N. Wilkesboro, N. C.
Northall Nonpuncture Tire Co., Evansville, Ind.
Northampton Cutlery Co., Northampton, Mass.
Northampton Iron Works, Florence, Mass.
Northcross Mantel & Grate Co., W. J., 411 W. Madison St., Memphis, Tenn.
Northcutt Bros. Co., contractors, Covington, Ky.
Northeast Preserving Works, canned goods, Northeast, Pa.

NORTHEASTERN CO., THE, 230 Main St., Cambridge 39, Mass.

Northeastern Iron & Metal Co., scrap iron & steel, Kenosha, Wis.
Northern Bag & Plate Co., paper dishes, Carthage, N. Y.
Northern Bag Co., 700 Washington Ave., Minneapolis, Minn.

NORTHERN BLOWER CO., THE, Denison & W. 65th St., Cleveland, O.

Northern Boiler & Struct. Iron Wks., Appleton, Wis.
Northern Brass Mfg. Co., Waukegan, Ill.
Northern California Engineering Works, Redding, Calif.
Northern Casket Co., Fond du Lac, Wis.
Northern Cedar Co., Sand Point, Idaho.
Northern Cedar Co., E. 2201 Euclid Ave., Spokane, Wash.
Northern Chemical Co., lubricating oils, Cleveland, O.
Northern Clay Co., Auburn, Wash.
Northern Coast Timber Co., ties & posts, Tacoma, Wash.
Northern Construction Co., Elkhart, Ind., & Grand Forks, N. D.
Northern Conveyor Co., 3204 Auer Ave., Milwaukee, Wis.
Northern Corrugating Co., Green Bay, Wis.
Northern Dredge & Dock Co., Metropolitan Bank Bldg., Minneapolis, Minn.

NORTHERN ENGINEERING WORKS, Detroit, Mich.

Pres.—George A. True.
V. P. & Eng.—Edward S. Reid.
Sec. & Treas.—Henry W. Standart.

Boston.
Chicago.
London.
New York.
Paris.
Philadelphia.
Pittsburgh.
St. Louis.
San Francisco.
Toronto.
Walkerville.

Northern Engng. Works, rheostats, 30 Church, New York.
Northern Equipment Co., Erie, Pa.
Northern Fire Apparatus Co., 2422 Univ. av. S. E., Minneapolis, Minn.
Northern Floor Surfacer Co., Green Bay, Wis.
Northern Foundry Co., Alpena, Mich.
Northern Granite & Stone Co., 909 Leader News Bldg., Cleveland, O.
Northern Gravel Co., sand producers, Muscatine, Ia.
Northern Hardware & Supply Co., Menominee, Mich.
Northern Hemlock & Hardwood Mfrs. Assn., Oshkosh, Wis.
Northern Indiana Brass Fndry. Co., Elkhart, Ind.
Northern Industrial Chemical Co., 11 Elkin St., S. Boston, Mass.
Northern Insulating Co., cold storage insulation, St. Paul, Minn.
Northern Iron Co., Plattsburgh, N. Y.
Northern Knitting Mills, sweaters, cardigans, etc., 59 W. 19th, New York.
Northern, L. E., flour mills, Hyacinth, Va.
Northern Lime & Stone Co., Petoskey, Mich.
Northern Linseed Oil Co., 2291 Wycliff St., Minneapolis, Minn.
Northern Lumber Co., Cloquet, Minn.
Northern Lumber Mfg. Co., Batchelor, La.
Northern Machine & Mfg. Co., box nailing machy., 1432 Railroad av., Seattle, Wash.
Northern Machine Works, Marshall & Jefferson, Philadelphia, Pa., & Wausau, Wis.
Northern Machy. Co., E. 21 Riverside, Spokane, Wash.
Northern Machinery Co., 503 S. 6th Ave., Minneapolis, Minn.
Northern Maine Packing Co., Corinna, Me.
Northern Malleable Iron Co., Wells & Forests Sts., St. Paul, Minn.
Northern Metallic Packing Co., Inc., 540 Rice St., St. Paul, Minn.
Northern Ohio Blanket Mills, 316 Hutton Rd., Cleveland, O.
Northern Ohio Cooperage Mfg. Co., Parkin, Ark.
Northern Ore Co., zinc ores, Edwards, N. Y.
Northern Paper Mills, Green Bay, Wis.
Northern Pine Crating Co., Cass Lake, Minn.
Northern Pole & Lumber Co., Palladio Bldg., Duluth, Minn.

Northern Redwood Lumber Co., Korbel, Cal.
Northern Refrigerator Co., Grand Rapids, Mich.
Northern Tool Co., Inc., Utica, N. Y.
Northern Water Softener Co., Madison, Wis.
Northern White Cedar Assn., 702-3 Lumber Exchange, Minneapolis, Minn.
Northern Wood Products Co., handles, Dept. H, Glidden, Wis.
Northern Woodenware Co., wood turners, Island Falls, Me.
Northey Mfg. Co., Waterloo, Ia.
Northfield Co., furniture, Dept. H, Sheboygan, Wis.
Northfield Furnace Co., cornices & skylights, Northfield, Minn.
Northfield Iron Co., Northfield, Minn.
Northfield Knife Co., Northfield, Conn.
Northfield Knitting Co., sweaters, Northfield, Minn.
Northfield Schools, Dept. H, East Northfield, Mass.
Northland Electric Supply Co., 211 S. 3rd St., Minneapolis, Minn.
Northland Pine Co., Plymouth bldg., Minneapolis, Minn.
Northland Ski Mfg. Co., St. Paul, Minn.
Northrup, B. D., machsts. & fndrs., Washington, Pa.
Northrop Hardware Co., Boise, Idaho.
Northrop Lock Co., 12502 E. Jefferson Ave., Detroit, Mich.
Northrup Lumber Co., Iola, Kans.
Northway Motor & Mfg. Co., auto engines, Holbrook & G. T. R. R., Detroit, Mich.
Northway Motor Corp., autos & trucks, Natick, Mass.
Northway Trailercar Co., East Rochester, N. Y.
Northwest Arkansas Lumber Co., Fayetteville, Ark.
Northwest Bridge & Iron Co., Corbett Bldg., Portland, Ore.
Northwest Chair Co., 2201 S. Edison, Tacoma, Wash.
Northwest Chemical & School Supply Co., chemicals, disinfectants, soaps, compounds, etc., E. 724 Sprague av., Spokane, Wash.
Northwest Engineering Co., 1232 Steger Bldg., Chicago.
Northwest Engineering Corp., 468 E. Taylor, Portland, Ore.
Northwest Engng. Works, cranes, gasoline, rollers, tractors, etc., Dept. H, Green Bay, Wis.
Northwest Engineering Works, cranes, hoists, etc., 28 E. Jackson blvd., Chicago, Ill.
Northwest Fence & Wire Works, ladders, etc., E. 11th & Flanders, Portland, Ore.
Northwest Hardware Co., Bellingham, Wash.
Northwest Harvester Co., 3036 E. Trent, Spokane, Wash.
Northwest Lead Co., 1742 4th St., S., Seattle, Wash.
Northwest Lumber Co., Seattle, Wash.
Northwest Magnesite Co., Chewelah, Wash.
Northwest Paper Co., Cloquet, Minn.
Northwest Plumbing Supply Co., 320 Terry av. N., Seattle, Wash.
Northwest Radio Service Co., 1328 6th, Seattle, Wash.
Northwest Steel & Metal Products Co., 1560 1st av. S., Seattle, Wash.
Northwest Steel Co., Gasco Bldg. Portland, Ore.
Northwest Stove Works, 260 E. 6th, Portland, Ore.
Northwest Testing Lab., 114 Marion, Seattle, Wash.
Northwest Trading Co., Ltd., L. C. Smith Bldg., Seattle, Wash.
Northwest Welding & Supply Co., flux, 88 1st, Portland, Ore.
Northwestern Art Shade Co., 184 W. Lake, Chicago, Ill.
Northwestern Barb Wire Co., Sterling, Ill.
Northwestern Bedding & Mfg. Co., Wycliff, N. W. cor, Bradford, St. Paul, Minn.
Northwestern Blaugas Co., gas liquefied, St. Paul, Minn.
Northwestern Boiler Works, Superior, Wis.
Northwestern Brass Fdy. Co., 369 Grand av., Portland, Ore.
Northwestern Brass Works, fndrs., 2019 N. Broadway, St. Louis, Mo.
Northwestern Bridge & Iron Co., 32d & Hopkins, Milwaukee, Wis.
Northwestern Cabinet Co., Burlington, Ia.
Northwestern Car Seal Co., 108-128 N. Jefferson St., Chicago.
Northwestern Casket Co., 661-17th Ave., N. E., Minneapolis, Minn.
Northwestern Chemical Co., Marietta, O.
Northwestern Chemical Co., The, Wauwatosa, Wis.
Northwestern Clay Mfg. Co., sewer pipe, drain tile, flue linings, etc., Aledo, Ill.
Northwestern Construction Co., Franklin, Pa.
Northwestern Cooperage Lumber Co., Gladstone, Mich.
Northwestern Copper & Brass Works, 59 W. 3d, St. Paul, Minn.
Northwestern Electric Co., 408 S. Hoyne Ave., Chicago.
Northwestern Electric Co., 229 Pillock block, Portland, Ore.
Northwestern Electric Equipment Co., New York.
Northwestern Electric Machinery Co., dlrs., 692 National av., Milwaukee, Wis.
Northwestern Equipment Co., Northwestern Bank Bldg., Portland, Ore.
Northwestern Expanded Metal Co., 1219 Old Colony Bldg., Chicago.
Northwestern Fire Apparatus Co., 112 S. Monroe, Spokane, Wash.
Northwestern Fisheries Co., Pier 11 B., Seattle, Wash.
Northwestern Foundry Co., 662 W. 12th, Chicago, Ill.
Northwestern Furn. & Supply Co., 619H Washington av., Minneapolis, Minn.

NORTHWESTERN FURNITURE CO., 281 W. Water St., Milwaukee, Wis.
Pres.—R. C. Forrer.
V. P.—E. A. Forrer.
Sec.—R. C. Haase.
Treas.—O. R. Haase.

Northwestern Glass Co., 219 N. 2nd St., Minneapolis Minn.
Northwestern Glue Co., 44th Pl. and Packers Ave., Chicago.
Northwestern Granite Co., St. Cloud, Minn.
Northwestern Hdwe. & Steel Co., mill & factory supplies, 48 N. 14th, Portland, Ore.
Northwestern Iron & Metal Co., scrap iron & steel, Racine, Wis.
Northwestern Iron Co., The, Milwaukee, Wis.
Northwestern Leather Co., 14 South, Boston, Mass.
Northwestern Lime Co., Ryan Bldg., St. Paul, Minn.
Northwestern Lumber Co., Hoquiam, Wash.
Northwestern Mail Box Co., 2714 La Salle, St. Louis, Mo.
Northwestern Malleable Iron Co., 756 Park St., Milwaukee, Wis.
Northwestern Mfg. Co., carriages, Fort Atkinson, Wis.
Northwestern Mfg. Co., 480 Clinton St., Milwaukee, Wis.
Northwestern Mfg. Co., disinfectants & polish, 725 E. Vermont, Indianapolis, Ind.
Northwestern Marble & Tile Co., 27th Ave. & 27th Minneapolis, Minn.
Northwestern Milling Co., flour, Little Falls, Minn.
Northwestern Mining & Exchange Co., bituminous coal, Scranton, Pa.

NORTHWESTERN MOTOR COMPANY, Eau Claire, Wis.
Pres.—R. R. Rosholt.
V. P. & Gen. Mgr.—F. W. Anderson.
Sec. & Sales Mgr.—A. H. Nelson.
Treas. & Credit Mgr.—O. P. Musum.
Chicago—1549 McCormick Bldg., H. W. Cutshall.
St. Paul, Minn.—906 Merchants Bank Bldg., Rank & Goodell.
Washington, D. C.—1319 F Street, N. W., W. Newton Jeffress, Inc.

Northwestern Paper Goods Co., Quality Park, St. Paul, Minn.
Northwestern Parquet Floor Co., 142 E. Lake, Minneapolis, Minn.
Northwestern Pine Tar Co., 1905 Diversey, Chicago, Ill.
Northwestern Redwood Co., Northwestern, Calif.
Northwestern Redwood Co., Willits, Cal.
Northwestern Roofing Cornice & Stamping Works, 1111 S. 5th, Minneapolis, Minn.
Northwestern Rubber Co., Kent, Wash.
Northwestern Sheet & Iron Works, Wahpeton, N. D.
Northwestern Sheet Metal Mfg. Co., 2206 1st av., Seattle, Wash.
Northwestern Sheet Metal Works, cornices & skylights, Seattle, Wash.
Northwestern Shot & Lead Works, 90 Fairfield av. W., St. Paul, Minn.
Northwestern Stamp Works, 110 E. Third St., St. Paul, Minn.
Northwestern Stamping Co., Burlington, Ia.
Northwestern States Portland Cement Co., Mason City, Ia.
Northwestern Steel & Iron Works, Eau Claire, Wis.
Northwestern Supply Co., 108 Prefontaine Pl., Seattle, Wash.
Northwestern Terra Cotta Co., 2525 Clybourn Ave., Chicago.
Northwestern Testing Laboratory, 2113 3d av., Seattle, Wash.
Northwestern Traction Co., Brazil, N. D.
Northwestern Tractor & Truck Dealer, trade publication, 213 S. 6th, Minneapolis, Minn.
Northwestern Trunk Co., 248 Nichols Ave., Minneapolis, Minn.
Northwestern Univ., engng. school & coll., Evanston, Ill.
Northwestern Wind Engine Co., 110 3d av. N., Minneapolis, Minn.
Northwestern Wooden Ware Co., pails & tubs, 2001 Dock, Tacoma, Wash.
Northwood Co., H. (Glassware), Wheeling, W. Va.

NORTMANN-DUFFKE CO., 1233 27th Ave., Milwaukee, Wis.

Norton & Gorman, contractors, 301 Douglas, Brooklyn, N. Y.
Norton & Spangler, htg. contrs., 2228 2d av., Seattle, Wash.
Norton, A. O., Inc., jacks mfrs., 440 Brookline av., Boston, Mass.
Norton, Alfred E., Co., steel struct'l Works, 56 W. 45th, New York.
Norton, B. W., Mfg. Co., dies & stamping, E. 10th at 30th av., Oakland, Calif.
Norton Broadway Machy. Co., 236 Broadway, Cincinnati, O.
Norton Bros., roofing slate mfrs., Granville, N. Y.
Norton, C. H., paper & pulp mill, binder's boards, North Westchester, Conn.
Norton Car & Fdry. Co., Norton, Va.
Norton Coal Co., Norton, Va.
Norton Co., Barbers Crossing, Worcester, Mass.
Norton Door Check Co., 31H Kingston, Boston, Mass.
Norton Door Closer Co., 2900 N. Western Ave., Chicago.
Norton Electric Instrument Co., Manchester, Conn.
Norton, Geo. W., soap, E. Lexington, Somerville, Mass.
Norton Hardware Co., Norton, Va.
Norton Hdwe. Co., mill & factory supplies, Fairhaven, Vt.
Norton, Inc., A. O., 440 Brookline Ave., Boston, Mass.
Norton Iron Works, Ashland, Ky.
Norton, John S., Co., tin plates, metals, etc., wholesale, 72 Hudson, Jersey City, N. J.
Norton Laboratories, metallic magnesium, Lockport, N. Y.
Norton, Lilly & Co., 26-28 Beaver St., New York.
Norton, M., & Co., scrap rubber, Charlestown, Boston, Mass.
Norton Mfg. Co., machinists, Norton, Kans.

NORTON MFG. CO., Mallory Branch, Memphis, Tenn.
Pres.—W. G. Norton.
Sec.—J. D. Wilson.
Treas.—F. K. Norton.

Norton Mattress & Mfg. Co., Norton, Va.
Norton, North & Co., whol. hdwe., 108 3d av. N., Nashville, Tenn.
Norton Tool Co., adze mfg., 799 West Park, Ohio.
Norton, W. T., guy clamps, elec. cable hangers, West Park, Ohio.
Norton, Willis & Co., wheat flour, Topeka, Kans.
Norton's Sons, Matthew F., 564 Walton Ave., New York.
Norvell-Wilder Hardware Co., Beaumont, Tex.
Norviel, E., Scraper Co., fndrs., Pixley, Calif.
Norwalk Auto Parts Co., brake bands & universal couplings, Norwalk, Ohio.
Norwalk Brick & Stone Co., Norwalk, Ohio.
Norwalk Drilling Tool Co., Norwalk, Ohio.
Norwalk Foundry Co., Norwalk, Ohio.
Norwalk Iron Works Co., air & gas compressors & refrigerating machinery, Dept. H, South Norwalk, Conn.
Norwalk Lock Co., South Norwalk, Conn.
Norwalk Mfg. Co., East Norwalk, Conn.
Norwalk Mold Co., Norwalk, O.
Norwalk Motor Car Co., Martinsburg, W. Va.
Norwalk Tire & Rubber Co., Norwalk, Conn.
Norwalk Vault Co., Norwalk, Ohio.
Norwell-Wilder Hdwe. Co., Beaumont, Tex.
Norwich Belt Mfg. Co., Norwich, Conn.
Norwich Chemical Co., acetate of lime, wood alcohol, etc., Crosby, Pa.
Norwich Knitting Co., sweaters, cardigans, etc., Norwich, N. Y.
Norwich Lumber Co., Norwich, Pa.
Norwich Pharmacal Co., Norwich, N. Y.
Norwich Plumbing Supply House, Norwich, Conn.
Norwich Wire Works, Inc., Norwich, N. Y.
Norwood & Berdan, paint mfrs., Paterson, N. J.
Norwood Concrete Block & Const. Co., stone, Madison av. & C. L. & N. Ry., Norwood, Ohio.
Norwood Engineering Co., Florence, Mass.
Norwood Glass Co., window glass mfrs., Clarksburg, W. Va.
Norwood, Jos. W., fish oils, Gloucester, Mass.
Norwood Lumber Co., Forney & Norwood, N. C.
Nosser Sales Co., Inc., auto locks, 3560 Chouteau, St. Louis, Mo.
Noss, Herman, & Sons, sash, door & blinds, York, Pa.
Notkins, A. L., & Sons, contrs., 341 State, New Haven, Conn.
Nott-Atwater Co., mill & facty. supplies, 157 S. Monroe, Spokane, Wash.
Nott Co., W. S., 2nd Ave., N. & 3rd St., Minneaplis, Minn.
Nott, F. H., scrap iron, steel & rubber, Richmond, Va.
Nottingham & Wrenn Co., masons' & bldrs.' matls., Norfolk, Va.
Nottingham Mill, cotton sheetings, 314 Dyer, Providence, R. I.
Nottingham Steel Co., 3599 E. 82d, Cleveland, Ohio.
Nottingham, Wm. N., switch boxes, 204 W. Brighton, Syracuse, N. Y.
Nova Heel Mfg. Co., 2216 Shattuck av., Berkeley, Calif.
Novelli & Calgani, granite, Barre, Vt.
Novelty Advertising Co., Coshocton, Ohio.
Novelty Brass Works, lamps, reflectors, stamping, etc., 3775 Moneta av., Los Angeles, Calif.
Novelty Cutlery Co., 515 McGregor av., N. W., Canton, O.
Novelty Electric Co., 50-54 N. Fourth St., Philadelphia, Pa.
Novelty Electric Sign Co., 165 Eddy St., San Francisco, Cal.
Novelty Electric Sign Co., 433 Turk, San Francisco, Calif.
Novelty Incandescent Lamp Co., Emporium Co., Emporium, Pa.
Novelty Iron Wks., Sterling, Ill.
Novelty Knitting Co., bathing suits, Woonsocket, R. I.
Novelty Knitting Mills, sweaters, etc., 4th & Cumberland, Philadelphia, Pa.
Novelty Lamp & Shade Co., 2490 E. 22d, Cleveland, O.
Novelty Mfg. Co., machsts. & fndrs., Jackson, Mich.
Novelty Mfg. Co., mill & facty. supplies, Sioux City, Ia.
Novelty Mfg. Co., 125 Maple St., Waterbury, Conn.
Novelty Mirror Works & Show Case Co., 25 W. Houston St., New York.
Novelty Sign Co., 21 W. Pearl, Cincinnati, Ohio.
Novelty Slide Co., 209 W. 48th, New York.

NOVELTY STEAM BOILER WORKS, 917 S. Howard St., Baltimore, Md.

Novelty Turning Co., Norway, Me.
Novelty Wire Works, window display fixtures, 120 E. 13th, New York.
Novelty Wood Works Co., music cabinets, desks, etc., Union City, Pa.
Novelty Wooden Shoe Co., Holland, Mich.
Novelty Yarn Co., auto. binding, 2304 Waterloo, Philadelphia, Pa.
Novitas Co., novelty mfrs., Waltham, Mass.
Novo Engine Co., Lansing, Mich.
Novo Mfg. Co., 422-436 W. 33rd St., New York.
Chicago—531 So. Dearborn St.
Nowack, F. C., stone producers, Menominee, Mich.
Nowack, Frank, willow ware mfr., Liverpool, N. Y.
Nowata Hardware & Supply Co., Nowata, Okla.
Nowell, J. M., fertilizer mfrs., Monroe, Ga.
No-Wet Mfg. Co., see Selz-Best Mfg. Co. (successors).
Noxal Polish Mfg. Co., 1238-46 Belmont Ave., Philadephia, Pa.
Noxall Mfg. Co., grain separators, Seward, Nebr.
Noxapater Lumber Co., Hight, Miss.
Noxon & Whitney Co., mill & facty. supplies, Middletown, Conn.
Noxon Broom Co., Avoca, N. Y.
Noxon, C. Per Lee, 225 W. Adams St., Syracuse, N. Y.
Noye Bros. Co., 1447 Niagara St., Buffalo, N. Y.
Noyes & Co., R. B., Greenfield, Mass. (Blacksmiths' Tools.)
Noyes & Nutter Mfg. Co., fndrs., Bangor, Me.
Noyes, A. L., lumber, Limestone, Me.
Noyes, B. B., Co., machsts. & fndrs., Greenfield, Mass.
Noyes Bros. & Cutler, 6th & Sibley St., St. Paul, Minn.
Noyes, C. A., Co., mill & facty. supplies, Brockton, Mass.
Noyes Carriage Co., Elkhart, Ind.
Noyes, Chas. E., starch mfr., Limestone, Me.
Noyes Comb Co., 13 Ferry St., Binghamton, N. Y.
Noyes, H. F. (Est. of), sash, door & blind mfrs., Rutland, Vt.
Noyes, J. B., & Co., lumber, Linnton, Ore.
Noyes Stove Co., fndrs., Waterville, Me.
Noyes, Walter D., lbr., 84 State, Boston, Mass.
Nu-Back Mfg. Co., 215 S. 2nd St., St. Louis, Mo.
Nubian Paint & Varnish Co., 1856 Le Claire Ave., Chicago.
Nucciarone, Albert P., architect, 9 Taylor, Orange, N. J.
Nuckolls Packing Co., meats, Pueblo, Colo.
Nucoa Co., The, cocoanut oil, 297 4th av., New York.
Nuebling, John G., sporting goods, 847 Penn., Reading, Pa.
Nuedling, A., & Son, bldg. contrs., 998 16th, Milwaukee, Wis.
Nu-Ex Fire Appliance Co., The, 505 Buttles Ave., Columbus, O.
Nufer Cedar Co., Whitehall, Mich.
Nugent & Co., Wm. W., 410-412 N. Hermitage Ave., Chicago.
Nugent Construction Corp., 21 E. 40th, New York.
Nugent Electrical Sup. Co., 7 W. 29th St., New York.
Nugent Sand Co., Clay & Fulton Sts., Louisville, Ky.
Nugent Steel Castings Co., 31st & Wood Sts., Chicago.
Nugent, Thos., 223 E. 80th St., New York.
Nuhring & Bro., Chas., 907 Walnut St., Cincinnati, O.
Null, Geo. W., machsts., Greenmount, Pa.
Nulomoline Co., glycerine substitute, 111 Wall, New York.
Nulsen Corporation, Sidney & Levee Sts., St. Louis, Mo.
Number One Dist. Co., Cincinnati, Ohio.
Numson & Sons, Wm., Inc., 18 Light St., Baltimore, Md.
Nunberger, Jos., flour mills, St. Albans, W. Va.
Nunda Casket Co., Nunda, N. Y.
Nunn Brass Wks., Inc., 17 Wentworth St., Rochester, N. Y.
Nunnally & McCrea Co., overalls, Atlanta, Ga.
Nunner & Ashton Co., bedstead mfrs., 417 E. Pearl, Cincinnati, Ohio.

NURNBERG THERMOMETER CO., INC., 397 Bridge St., Brooklyn, N. Y.

Nurre Mirror Plate Co., medicine cabinets, Bloomington, Ind.
Nusbaum Chemical Co., Bradford, Pa.
Nusbaum, F. A., clamps, oil filters, etc., 219 Ruffner, Lockland, Ohio.
Nuss Mfg. Co., musical instruments, Harrisburg, Pa.
Nussbaum & Co., V. M., Ft. Wayne, Ind.
Nute-McGehee-Geary Co., grate bar mfrs., Dept. H, Chambersburg, Pa.
Nutlock Corp., 30 Church St., New York.
Nutt, Walter J., Lumber Co., Mendon, Ill.

NUTTALL COMPANY, R. D., McCandless Ave. & Harrison St., Pittsburgh, Pa.
Pres. & Treas.—F. A. Estep.
V. P.—J. R. McGinley.
V. P. & Gen. Mgr.—Milton Rupert.
Branch Offices:
Ill.—Chicago—2133 Conway Bldg.
Pa.—Philadelphia—420 Land Title Bldg.

Nuttall, John, 2206 Tioga St., Philadelphia, Pa.
Nutter Electric Equipment Co., dry batteries, 169 Mass. av., Boston, Mass.
Nutting, C. A., machsts., Randolph, Wis.

NUTTING TRUCK COMPANY, 1375 Division St., W., Fairbault, Minn.

Gen. Mgr.—W. M. Nutting.
Sales Mgr.—J. F. Thomas.

Distributors and Representatives:
CALIF.—Los Angeles—Walford S. Cammer.
San Francisco—James Geddes & Co., 773 Mission, Douglas 2432.
COL.—Denver—McDonald-Hunt Scale & Supply Co.
GA.—Atlanta—J. R. Regnas & Co.
ILL.—Chicago—Standard Scale & Supply Corp., 169 N. May, Haymarket 7430.
Peoria—C. J. Jobst.
IA.—Des Moines—E. E. Johnson.
KY.—Louisville—Graft-Pelle Co.
LA.—New Orleans—Clark D. Shaughnessy.
MINN.—St. Paul—A. D. Thomas.
MO.—Kansas City—Frank A Hentschel, 311 N. Elmwood, Clifton 0027.
St. Louis—Wm. J. Frederick.
NEB.—Omaha—Heald Prescott.
N. Y.—New York—Standard Scale & Supply Corp., Canal 4514.
Rochester—J. E. McManus.
O.—Cleveland—Standard Scale & Supply Corp.
PA.—Philadelphia—Standard Scale & Supply Corp., 523 Arch, Lombard 9107.
Pittsburgh—Standard Scale & Supply Corp., 1631 Liberty, Grand 4125.
TEX.—San Antonio—W. F. Behring & Son.
VA.—Richmond—Stewart H. Ford.
WASH.—Seattle—A. J. Allen.
WIS.—Milwaukee—Williams, Cole & Wolff, Inc., 610 Sycamore, Grand 6321.

Nuttle, H. T. & H. H., canned goods, Hobbs, Md.
Nuway Boiler Co., 53 W. Jackson Blvd., Chicago.
Nuway Burner Mfg. Co., 1009 Western av., Seattle, Wash.
Nuway Package Sealer Corp., gum tape machy., 1238 San Fernando rd., Los Angeles, Calif.
Nu-Way Mfg. Co., The, Geneseo, Ill.
Nydegger, Max, hosiery knitting machy., 248 W. Broadway, New York.
Nye, Chas. M., architect, Peters Tr. bldg., Omaha, Neb.
Nye Lusk & Hudson Co., lumber, Thorp, Wis.
Nye-Schneider-Fowler Co., masons' & bldrs.' matls., Fremont, Nebr.
Nye Steam Pump & Machy. Co., 701 N. Western Ave., Chicago.
Nye Tool & Machine Co., 108 N. Jefferson St., Chicago.
Nye, Wm. F., oils, Fish Island, New Bedford, Mass.
Nyelec Switch Board Co., 422 E. 53rd St., New York.
Nygard, Alfred F., stone carver, 290 Woodward, Detroit, Mich.
Nygren, Werner, heating engr., 101 Park av., New York.
O-B Electric Vehicles, Inc., The, Harris Ave. & Sherman St., Long Island City, N. Y.
O. K. Broom Factory, 523 Cotton av., Macon, Ga.
O. K. Clutch & Machinery Co., clutch & hoist mfrs., Hendricks, Columbia, Pa.
O. K. Co., poultry supplies, 157 Water, New York.
O. K. Display Fixture Co., 37 Broome, New York.
O. K. Giant Battery Co., The, Gary, Ind.

O. K. MANUFACTURING CO., THE, 472-474 W. First St., Oswego, N. Y.

Pres. & Treas.—James V. Washburne.
Sec. & Asst. Treas.—Earl J. Washburne.

O. K. Nut Lock Co., Turks Head bldg., Providence, R. I.
O. K. Paper Pail Co., Middletown, Ohio.
O. K. Stove & Range Co., Louisville, Ky.
O. K. Tool Holder Co., 33 Hull av., Shelton, Conn.
O. & J. Machine Co., wire drawing machinery, 60 Ellsworth, Worcester, Mass.
O. & S. Bearing Co., ball bearings, 303 S. Artillery, Detroit, Mich.
Oades, Walter H., ship bldr., 229 Eason, Detroit, Mich.
Oak Flooring Mfrs.' Assn., 155 N. Clark St., Chicago.
Oak Grove Canning Co., Oak Grove, Va.
Oak Grove Handle Co., Cameron, Wis.
Oak Hill Fire Brick & Coal Co., Oak Hill, O.
Oak Hill Foundry & Machine Works, Oak Hill, Ohio.
Oak Park Sand Co., Des Moines, Ia.
Oak Ridge Lumber Co., Oak Ridge, Ore.
Oak Rubber Co., balloons (rubber), Ravenna, Ohio.
Oakdale Baking Co., prepared cereal foods, 10th & Susquehanna av., Philadelphia, Pa.
Oakdale Cotton Mills, Jamestown, N. C.
Oakdale Milling Co., flour, Oakdale, Calif.
Oakerson-Jones, machsts., Knightstown, Ind.
Oakes & Burger Co., dairy apparatus & supplies, machy., etc., Cattaraugus, N. Y.
Oakes & Dow Co., 311 Atlantic Ave., Boston, Mass.
Oakes Bros., brick, Iowa City, Ia.
Oakes Company, Roosevelt & Wheeler Sts., Indianapolis, Ind.
Oakes, Geo. W., & Co., contractors, Endicott bldg., St. Paul, Minn.
Oakes Mfg. Co., aniline colors, etc., Steinway, Long Island City, N. Y.
Oakes Mfg. Co., mail boxes, poultry fountains, Tipton, Ind.
Oakes, Roland & Co., separators, Holyoke, Mass.
Oakes, W. L., machsts., Decatur, Ill.
Oakland Art Pottery, 2237 E. 12th, Oakland, Calif.
Oakland Box Factory, 5th & Oak, Oakland, Calif.
Oakland Brass Foundry, Oakland, Calif.
Oakland Cabinet Works, 1011 University av., Berkeley, Calif.
Oakland Cedar Chest Co., 3901 E. 14th, Oakland, Calif.
Oakland Chemical Co., dioxogen, 59 4th av., New York.
Oakland Copper & Brass Works, 7th St. at Kirkham, Oakland, Cal.
Oakland Cut Glass Co., 184 Oakland, Brooklyn, N. Y.
Oakland Fndry. & Mach. Co., Oakland, Me.
Oakland Frame & Moulding Co., 149 Franklin, Oakland, Calif.
Oakland Machinery Co., canning machy., 569 3d, Oakland, Calif.
Oakland Meat & Packing Co., Oakland, Calif.
Oakland Mills, denims, tickings, Taunton, Mass.
Oakland Motor Car Co., Pontiac, Mich.
Oakland Ornamental Compo Works, composition ornaments, 3544 Custer, Oakland, Calif.
Oakland Paving Co., 5400 Broadway, Oakland, Calif.
Oakland Plumbing Supply Co., 640 Broadway, Oakland, Calif.
Oakland Refrigerator & Butchers' Supply Co., 1616 E. 12th, Oakland, Calif.
Oakland Sheet Metal Supply Co., tin plate, 889 Apgar, Oakland, Calif.
Oakland Wicker Works, furniture, 2610 San Pablo av., Oakland, Calif.
Oakley Chemical Co., 22 Thames, New York.
Oakley Paint Mfg. Co., varnish, etc., 727 Antonia, Los Angeles, Calif.
Oaks, A. J., machsts., South Fork, Pa.
Oakton Canning Co., Oakton, Ky.
Oakville Coal & Coke Co., Greensburg, Pa.
Oakville Co., machsts., Oakville, Waterbury, Conn.
Oakville Shingle Co., lumber, Bothell, Wash.
Oarr, H. J., & Son, machsts. & fndrs., Cos Cob, Conn.
Oast, Samuel P., masons' & bldrs.' matls., 1101 Court, Portsmouth, Va.

OAT, JOSEPH, & SONS, condensers, evaporators, stills, etc., 228 Quarry, Philadelphia, Pa.

Oates, Isaac E., & Son, flour mills, Elk Garden, W. Va.
Oates Mattress Co., Little Rock, Ark.
Oathout, W. J., 30 Church St., New York.
Oatman Condensed Milk Co., canned, Dundee, Ill.
Oatman's Furnace Co., cornices, Medina, Ohio.
O'Bannon Corp., 200 Fifth Ave., New York.
O'Bannon Co., whol. poultry feed, Wagoner, Okla.
Obdyke, Inc., Benjamin P., 47 N. 8th st., Philadelphia, Pa.
Obear-Nester Glass Co., bottles, 2d & Chestnut, St. Louis, Mo.
Obelisk Waterproof Co., The, 1 Madison Ave., New York.
Obenberger & Son Co., Jos., 125 Barclay St., Milwaukee, Wis.
Obenberger Forge Co., The John, 53rd & Burnham Sts., Milwaukee, Wis.
Obenchain-Boyer Co., The, 546 Greenwich, New York.
Obenchain-Boyer Co., The, 701 Erie Ave., Logansport, Ind.
Obenshain, J. B., & Sons, canned goods, Montvale, Va.
Obenshain, Wm., canned goods, Nace, Va. (tr.)
Ober, G., & Sons Co., fertilizer mfrs., ammoniates, 110 E. Lombard, Baltimore, Md.
Ober Mfg. Co., Chagrin Falls, O.
Oberbeck Co., portables, 405 Oswego, Chicago, Ill.
Oberdorfer Brass Co., M. L., Thompson Road, Syracuse, N. Y.
Oberheiman, J. A., Foundry Co., 3323 Colerain, Cincinnati, Ohio.
Oberholtzer, Francis D., contractor, Norristown, Pa.
Oberle, G., mach. & fndr., Mellette, S. D.
Oberle, G. F., pipe rests, 238 E. 42d, New York.
Oberly, Jas. B., brick, Wilmington, Del.
Obermayer Co., S., 647 Evans, Cincinnati, Ohio.
Obermayer, S., Co., foundry plant equipment, etc., 2563 W. 18th, Chicago, Ill.
Oberndorf Mfg. Co., machsts. & brass fndrs., 7509 Thomas blvd., Pittsburgh, Pa.
Oberschelp, H. G., brick, Princeton, Ill.
Obert, Jos., Co., meat packers, Lehighton, Pa.
Obex Laboratories Co., aniline colors, Marietta, O.
Obion Mill & Elevator Co., flour, Obion, Tenn.
Obrecht, Chas. F., Co., machsts., 8 E. Perry, Baltimore, Md.
Obrechts, John, Sons Mfg. Co., carriage & wagon wheel hubs, Tell City, Ind.
O'Brien & Mosher, pack'g box mfrs., 223 Greene, New York.
O'Brien Boiler Works, John, 1601 N. 11th St., St. Louis, Mo.
O'Brien Bros., contrs., Avoca, Pa.
O'Brien Bros., overalls, 102 Public sq., Nashville, Tenn.
O'Brien Bros., roofing slate mfrs., Granville, N. Y.
O'Brien Constr. Co., Syracuse, N. Y.
O'Brien, Dennis, & Sons, contrs., 118 Asylum, Hartford, Conn.
O'Brien, Edw. J., & Bro., steam & hot water contrs., 299 Division av., Brooklyn, N. Y.
O'Brien, Fred'k, Varnish Works, 2010 E. Slauson av., Los Angeles, Calif.
O'Brien Iron Wks., machst., 497 5th, San Francisco, Calif.
O'Brien, J. M., advtg. spec., 218 S. Broadway, Los Angeles, Calif.
O'Brien, Jas. H., Scale & Supply Co., butchers' machy. & supplies, 46 Jamaica av., Brooklyn, N. Y.
O'Brien, John, Boiler Wks. Co., 11th & Mullanphy, St. Louis, Mo.
O'Brien, Jos. F., Mfg. Co., auto annunciators, switches, etc., 47 W. 63rd, New York.
O'Brien, Louis H., stone producer, West Conshohocken, Pa.
O'Brien Machinery Co., The, 119 N. Third St., Philadelphia, Pa.
O'Brien Mfg. Co., Joseph F., 47 W. 63rd St., New York.
O'Brien, Philip, brick, Verplanck, N. Y.
O'Brien, Thos., & Sons, contractors, Quincy, Mass.
O'Brien, Timothy, & Son, contractors, 260 Iranistan av., Bridgeport, Conn.
O'Brien Varnish Co., 101 N. Jackson St., South Bend, Ind.
Ocala Gas Engine Wks., Ocala, Fla.
Ocala Iron Wks., Ocala, Fla.
Ocala Mfg. Co., lumber, Ocala, Fla.
Occidental Co., plbrs.' supplies, Cleveland, O.
Occidental Furniture Mfg. Co., 1707 Howard, San Francisco, Calif.
Occidental Sheet Metal Wks., cornices & skylights, Seattle, Wash.
Ocean Accident & Guarantee Corp., insurance, 59 John, New York.
Ocean Bathing Suit Co., 116 W. 23d, New York.
Ocean Engine & Boiler Works, Inc., 43 Sedgwick St. Brooklyn, N. Y.
Ocean Lumber Co., 260 California, San Francisco, Calif.
Ocean Shore Canning Co., 112 Market, San Francisco, Calif.

OCEAN SHORE IRON WORKS, 550-8th St., San Francisco, Calif.

Ocean Springs Packing Co., canned goods, Ocean Springs, Miss.
Oceana Canning Co., Shelby, Mich.
O-Cedar Corp., 4501 S. Western Ave., Chicago.
Ochs, A. C., Brick & Tile Co., Springfield, Minn.
Ochs Construction Co., masons' & bldrs.' matls., 20 S. 5th, Allentown, Pa.
Ochsner, A., & Son, hdwe. mfrs., 1060 State, New Haven, Conn.
Ocilla Oil & Fertilizer Co., Ocilla, Ga.

OCKFORD PRINTING COMPANY, cor. 2nd and Howard Sts., Detroit, Mich.
A. J. Boushy, George R. Keller.

O'Clair, C. L., granite, Waterbury, Vt.
Oconee Brick & Tile Co., Milledgeville, Ga.
Oconee Fertilizer Co., Dublin, Ga.
Oconee Mills Co., cotton sheetings, Westminster, S. C.
Oconee River Mills, flour, Milledgeville, Ga.
O'Connell Elec. Co., Inc., massage vibrators, 817 E. 144th New York.
O'Connell Lumber Co., Winlock, Wash.
O'Connell, Martin E., carriages, 457 N. 8th, Terre Haute, Ind.
O'Connell Motor Truck Co., Waukegan, Ill.
O'Conner Concrete Constr. Co., Stamford, Conn.
O'Connor & Co., Ltd., carriages, 518 Julia, New Orleans, La.
O'Connor, Arthur E., cut glassware, Goshen, N. Y.
O'Connor Co., heating contrs., Muskogee, Okla.
O'Connor, J. P. & J. W., Co., contractors, 5 N. LaSalle, Chicago, Ill.
O'Connor, John C., & Son, contractors, Delphi, Ind.
O'Connor, Maurice M., & Son, granite, Pawtucket, R. I.
Oconto Co., 80 E. Jackson Blvd., Chicago.
Oconto Co., packing box mfrs., Oconto, Wis.
Octigan Drop Forge Co., 2430 Lowe Ave., Chicago.
Octo Co., The, Melhorn bldg., Seattle, Wash.
Octo Engng. Ass'n, Inc., jigs, patterns, piano hdwr., special machy., Rochester, N. Y.
O'Day Bros., slate for elec. purposes, billiard tables, etc., Hydesville, Vt.
O'Day, Daniel, Co., grading contrs., 180 Jessie, San Francisco, Calif.
O'Day, P. H., & Son, machsts. & fndrs., 253 South, New York.
Oddy, Hodgson & Son, carriage wheels, Wallingford, Conn.
Odell & Eddy Co., crates, Chaffee, N. Y.
Odell & Ennis, ties, Schaal, Ark.
O'Dell Bros., sash, door & blind mfrs., Webster, N. Y.
Odell Hdwe. Co., Greensboro, N. C.
Odell, J. H. & C. S., & Co., organs, 409 W. 42d, New York.
Odell Mfg. Co. See Groveton Paper Co., Inc. (successors).
Odell Mill Supply Co., Greensboro, N. C.
O'Dell, O. A., sashes, doors & blinds, Gallipolis, Ohio.
Odell Rubber Co., tires, Dept. H, 220 W. Ewing, South Bend, Ind.
Oden-Elliott Lumber Co., Birmingham, Ala.
Odend-Hal-Monks Corp., cornices, Norfolk, Va.
Odessa Canning Co., Oak Grove, Mo.
Odin Construction Co., The, Titusville, Pa.
Odin Stove Mfg. Co., Erie, Pa.
Odien, Herman, iron, Camden, N. J.
O'Donnell, E. M., Copper Works, 353 Folsom, San Francisco, Calif.
O'Donnell, J. R., & Co., radio crystals, 171 2d, San Francisco, Calif.
O'Donnell Lumber Co., Dunkirk, N. Y.
Odontographic Mfg. Co., dental cements, 211 W. 126th, New York.
Odorless Refrigerator Co., Pine St., Chattanooga, Tenn.
O'Dougherty, Francis, Co., water tube boilers, 650 Bedford av., Brooklyn, N. Y.
Oehmig & Co., Paul, 1948-54 W. Ohio St., Chicago.
Oehrle Bros. Co., silk fringes, 427 N. 3d, Philadelphia, Pa.
Oelhafen Lumber Co., Tomahawk, Wis.
Oelschaeger Bros., pyrometers, 226 E. 23rd, New York.
Oenning Glass & Book Co., Quincy, Ill.
Oesterle Stained Glass Wks., 327 N. 11th, Philadelphia, Pa.
Oesterlein Machine Co., (Milling Machine), 3301 Colerain, Cincinnati, O.
Oeters Co., Edgar O., 605-7 Arch St., Philadelphia, Pa.
O'Fallon Railroad Supply Co., 332 S. Michigan Ave., Chicago.
O'Fallon Supply Co., M. J., 1625-15th St., Denver Colo.
Ofeldt, F. W., & Sons, see Ofeldt Gas Fired Boiler Co. (successor).
Ofeldt Gas Fired Boiler Co., Nyack, N. Y.
Off, Christian, & Co., cornices, Indianapolis, Ind.
Offerle & Smith, contractors, Warren, Pa.
Offerman, F. J., Art Works, advtg. novelties, 301 Broadway, Buffalo, N. Y.
Office Appliances Magazine, trade publication, 417 S. Dearborn, Chicago, Ill.
Office Bank & Library Co., 120 Tremont St., Boston, Mass.
Office Economics Co., 440 S. Dearborn St., Chicago.
Officer, R. H., & Co., assayers, Salt Lake City, Utah.
Official Mfg. Co., dairy app., La Crosse, Wis.
O'Gara Coal Co., McCormick bldg., Chicago, Ill.
O'Gara Construction Co., contractors, 242 Market, Newark, N. J.
Ogburn Canning Co., Dallas, Tex.
Ogburn, Sam'l D., flour mills, Springfield, Tenn.
Ogden & Co., cornices, Warwick, N. Y.
Ogden & Wallace, 577 Greenwich St., New York.
Ogden, E. F., flour mills, Slaughters, Ky.
Ogden Electric Supply Co., Ogden, Utah.

OGDEN, INC., J. EDWARD, Hdwe. Mfrs., 147-9 Cedar St., New York.

Ogden Iron Works Co. 2257 Lincoln Ave., Ogden, Utah.
Ogden, J. G., machinist, Marysville, Calif.
Ogden Motor & Supply Co., auto bldrs., 3854 Ogden av., Chicago, Ill.
Ogden Packing & Provision Co., Ogden, Utah.
Ogden Paint, Oil & Glass Co., Ogden, Utah.
Ogden Portland Cement Co., Utah Nat'l Bank Bldg., Ogden, Utah.
Ogden Pressed Brick & Tile Co., Ogden, Utah.
Ogden Sewer Pipe & Clay Co., Ogden, Utah.
Ogdensburg Mach. Co., marine engines, Ogdensburg, N. Y.
Ogeechee Brick Co., Union Point, Ga.
Ogeechee Fertilizer Works, Mayfield, Ga.
Ogeechee River Brick Co., Rocky Ford, Ga.
Ogelthorpe Oil & Fertilizer Co., Athens, Ga.
Ogema Lbr. Co., Ogema, Wis.
Ogle & Co., G. A., 28 E. Jackson St., Chicago.
Ogle Bros., sand dlrs., 3829 10th av., Seattle, Wash.

OGLE CONSTRUCTION CO., 28 E. Jackson Blvd., Chicago

Pres.—C. F. Bledsoe.
V. P. & Sec.—M. W. Powell.
V. P. & Treas.—J. G. Forster.

Oglebay, Norton & Co., Wade Bldg., Cleveland, O.
Oglesby Furnace Stove Co., machsts. & fndrs., Clinton, Ind.
Oglesby Granite Co., Elberton, Ga.
Oglesby Paper Co., W. B., Middletown, O.
Oglethorpe Oil & Fertilizer Co., Athens, Ga.
O'Gorman, Thos. F., patterns & models, 114 Centre, New York.
Ogren Motor Car Co., 39 S. LaSalle, Chicago, Ill.
O'Hair, P. E., & Co., plumbers' supplies, 857 Mission, San Francisco, Calif.
O'Halloran's, Thos., Sons, glass stainers, 410 Plane, Newark, N. J.
O'Hanlon, Thos., & Sons, tubular boilers, Utica, N. Y.
O'Hara, F. J., Leather Co., 110 South, Boston, Mass.
O'Hara-Waltham Dial Co., Waltham, Mass.
O'Herron, M., Co., contractors, S 1st & McKean, Pittsburgh, Pa.
Ohio & Indiana Stone Co., crushed stone, 2nd National Bank bldg., Toledo, Ohio.
Ohio & Indiana Stone Co., Greencastle, Ind.
Ohio & Pennsylvania Coal Co., Williamson bldg., Cleveland, Ohio.
Ohio & Western Lime Co., Huntington, Ind., & Luckey, Ohio.
Ohio Art Co., metal signs, litho., Bryan, Ohio.
Ohio Art Glass Co., Youngstown, Ohio.
Ohio Automatic Sprinkler Co., Youngstown, O.
Ohio Ballast Co., Cincinnati, O.
Ohio Body & Blower Co., 9205 Detroit av., Cleveland, O.

Ohio Box Board Co., 1390 E. 30th, Cleveland, Ohio.
Ohio Brass & Copper Co., 412 Elm, Cincinnati, Ohio.

OHIO BRASS CO., THE, Mansfield, O.

Ohio Brick Co., 424 Spitzer Bldg., Toledo, O.
Ohio Bronze Powder Co., The, 1120 E. 152nd St., Cleveland, O.
Ohio Builders Supply Co., Erie & Swan Creek, Toledo, O.
Ohio Bldg. & Constr. Co., Dept. H, Burnette & McMullen, Cincinnati, Ohio.
Ohio Carbon Co., 8215 Almira Ave., Cleveland, O.
Ohio Carriage Mfg. Co., South High, Columbus, Ohio.
Ohio Casket Co., coffins, caskets, etc., Columbus, Ohio.
Ohio Central Glass Co., window glass mfrs., Pleasantville, Ohio.
Ohio Ceramic Engng. Co., scale boxes, Berea rd., Cleveland, O.
Ohio Chain & Mfg. Co., The, 1177 Marquette Rd., Cleveland, O.
Ohio Chemical & Mfg. Co., mfg. chemists, 1177 Marquette, Cleveland, O.
Ohio Chemical Co., Findlay, Ohio.
Ohio China Co., East Palestine, Ohio.
Ohio Cities Gas Co. See Pure Oil Co. (successor).
Ohio Clay Co., 518 Guardian Bldg., Cleveland, O.
Ohio Clay Products Co., Salineville, Ohio.
Ohio Coal & Supply Co., masons' & bldrs.' matls., Davis & Farley, Cleveland, Ohio.
Ohio Co., vacuum cleaners, 145 W. 45th, New York.
Ohio Concrete Machine Co., mixers, 129 E. Columbus, Columbus, Ohio.
Ohio Corrugated Culvert Co., The, Middletown, O.
Ohio Corrugating Co., sheet steel products, Warren, Ohio.
Ohio Cultivator Co., Bellevue, O.
Ohio Culvert Pipe Co., Tiffin, Ohio.
Ohio Cut Stone Co., The, Citizens Bldg., Cleveland, O.
Ohio Dairy Co., canned goods, Toledo, Ohio.
Ohio Distributing Corp., elec. supplies, 622 W. Adams, Chicago, Ill.
Ohio Drilling Co., Massillon, Ohio.
Ohio Duster Co., Cleveland, Ohio.

OHIO ELECTRIC & CONTROLLER CO., THE, 5900 Maurice Ave., Cleveland, O.

Ohio Electric Specialty Mfg. Co., Troy, O.
Ohio Electrolytic Oxygen Co., 942 Kenyon, Cincinnati, O.
Ohio Elevator & Machine Co., Columbus, Ohio.
Ohio Engineering Co., contrs., Lorain, Ohio.
Ohio Falls Iron Co., New Albany, Ind.
Ohio Firebrick Co., Oak Hill, O.
Ohio Fireproofing Co., Nelsonville, Ohio.
Ohio Forge Co., 2190-2210 E. 65th St., Cleveland, O.
Ohio Foundry Co., E. 71st St. & Stanton, Cleveland, Ohio.
Ohio Fdry. & Mfg. Co., Steubenville, O.
Ohio Galvanizing & Mfg. Co., Niles, O.
Ohio Garment Co., overalls, Springfield, O.
Ohio Generator Co., Wheeling, W. Va.
Ohio Grease Lubricator Co., Loudonville, O.
Ohio Hydrate & Supply Co., Woodville, O.

OHIO INJECTOR CO., THE, 1437 Monadnock Block, Chicago.

Pres.—Wm. S. Furry.
V. P.—Frank W. Edwards.
Sec.—Geo. M. Dickson.

Ohio Injector Co., Wadsworth, Ohio.
Ohio Instrument Mfg. Co., machsts., 9410 St. Catherine, Cleveland, Ohio.
Ohio Insulator Co., Barbeton, Ohio.
Ohio Insulator Co., Mansfield, O.
Ohio Iron & Metal Co., R. R. equipments, 38 S. Dearborn, Chicago, Ill.
Ohio Iron & Steel Co., Lowellville, Ohio.
Ohio Kiln Co., Vigo, Ohio.
Ohio Knife Co., Dreman Ave., Cincinnati, O.
Ohio Leather Corp., 33 South, Boston, Mass.

OHIO LOCOMOTIVE CRANE CO., Frederick St., Bucyrus, O.

Pres.—C. F. Michael.
V. P.—A. G. Stoltz.
Sec.—C. Gallinger.
Treas.—W. H. Picking.

Agents:
Chicago, Ill.—Railway Exchange Bldg.
Cleveland, O.—Rockefeller Bldg.
Jacksonville, Fla.—Bisbee Bldg.
Los Angeles, Cal.—Monadnock Bldg.
Montreal, Quebec—285 Beaver Hall Hill.
New Orleans, La.—416 Carondelet.
New York—30 Church.
Pittsburgh, Pa.—915 Union Trust Bldg.
Portland, Ore.—17th & Thurman.
Salt Lake City, Utah—Langes & Co.
Seattle, Wash.—522 1st & S.
St. Louis, Mo.—Federal Reserve Bank Bldg.
Winnipeg, Canada—403 McArthur Bldg.

Ohio Machine & Boiler Co., 1503 University Rd., Cleveland, O.
Ohio Machine Tool Co., The, Kenton, Ohio.
Ohio Malleable Iron Co., South of State St., Columbus, Ohio.

OHIO MFG. CO., P. O. Box 146, Painesville, O.

Ohio Mfg. Co., Upper Sandusky, O.
Ohio Marble Co., Piqua, O.
Ohio Match Co., Wadsworth, O.
Ohio Mechanics Inst., engng. schools & coll., Canal & Walnut, Cincinnati, Ohio.
Ohio Metal & Mfg. Co., sheet metal products, Dayton, O.
Ohio Metal Co., smelters & refiners, 1137 N. 4th, Columbus, O.
Ohio Metal Products Co., 39 Edgar St., Dayton, O.
Ohio Motor Co., Sandusky, O.
Ohio Northern Univ., engng. schools & coll., Ada, Ohio.
Ohio Nut & Bolt Co., Berea, O.
Ohio Nut & Washer Co., Mingo Junction, O.
Ohio Pail Co., Middletown, O.
Ohio Paper Co., Miamisburg, Ohio.
Ohio Pattern Works, 2730 Spring Grove av., Cincinnati, Ohio.
Ohio Pipe Co., Findlay, O.
Ohio Piston Co., 5331 St. Clair av., Cleveland, O.
Ohio Plumbers' Supply Co., The, 417 Jackson St., Toledo, O.
Ohio Post Mold Co., 622 Madison av., Toledo, Ohio.
Ohio Pottery Co., Lanesville, O.
Ohio Provision Co., meat packers, Clark av. & Big 4 R. R., Cleveland, Ohio.
Ohio Printing & Publishing Co., calendars, Massillon, O.
Ohio Quarries Co., Citizens Bldg., Cleveland, O.
Ohio Rake Co., agricultural implements, Albany, Dayton, Ohio.
Ohio River Hub Co., New Albany, Ind.
Ohio River Salt Co., coal mine, Pleasant, W. Va.
Ohio River Sand Co., Brook & Fulton Sts., Louisville, Ky.
Ohio River Sewer Pipe Co., Empire, O.
Ohio Road Machinery Co., Oberlin, O.
Ohio Roofing Tool Co., Tiffin, Ohio.
Ohio Rubber Co., The 725 St. Clair Ave., N. W., Cleveland, O.
Ohio Salt Co., 100 Hudson, New York.
Ohio Salt Co., Wadsworth, O.
Ohio Sanitary Wipers Co., machy. wipers, 2251 Smead av., Toledo, Ohio.
Ohio Scrap Iron & Metal Co., Piqua, Ohio.
Ohio Scroll & Lumber Co., Covington, Ky.
Ohio Seamless Tube Co., Shelby, O.
Ohio Seat Co., 1964 Central av., Cincinnati, Ohio.
Ohio Shovel & Stamping Co., Dover, Ohio.
Ohio Signal Co., Canton, O.
Ohio Silica Co., East Liverpool, Ohio.
Ohio Spoke & Bending Co., Botkins, Ohio.
Ohio Spring Bed Co., 1281 E. 38th, Cleveland, Ohio.
Ohio State Stove Co., Foot of Buttles Ave., Columbus, O.
Ohio State Univ., engng. schools & coll., Columbus, O.
Ohio Stave Co., Cardington, Ohio.
Ohio Steel Castings Co., 2264 Scranton rd., Cleveland, O.
Ohio Steel Foundry Co., The, Lima, O.
Ohio Steel Products Co., Mineral Ridge, O.

OHIO STEEL STAMP CO., 211 High Ave., Cleveland, O G. L. Stipes.

Ohio Supply Co., mill & factory supplies, 226 Superior av. N. W., Cleveland, Ohio.
Ohio Stove Co., Portsmouth, O.
Ohio Top Co., inner tube bags, 505 Broadway, Cincinnati, Ohio.
Ohio Torpedo Co., Steubenville, Ohio.
Ohio Tractor Co., The, W. Goodale, Columbus, O.
Ohio Trailer Co., (Now the Ohio Motor Vehicle Co.) Cleveland, O.
Ohio Truss Co., 12 E. 9th, Cincinnati, Ohio.
Ohio Valley Canning Co., Charlestown, Ind.
Ohio Valley Clay Co., Steubenville, O.
Ohio Valley Coffin Co., Lawrenceburg, Ind.
Ohio Valley Enameling Co., Westmoreland, Huntington, W. Va.
Ohio Valley Ice & Storage Co., masons' & bldrs.' matls., Steubenville, Ohio.
Ohio Valley Mattress Co., E. E. of 19th, Wheeling, W. Va.
Ohio Valley Mill & Supply Co., masons' & bldrs.' matls., Ashland, Ky.
Ohio Valley Pulley Works, Maysville, Ky.
Ohio Valley Supply Co., gas engines & power pumps, Marietta, Ohio.
Ohio Valley Tie Co., Colonial Bldg., Louisville, Ky.
Ohio Valley Wagon Co., Marietta, Ohio.
Ohio Varnish Co., The, 8004 Kinsman Rd., Cleveland, O
Ohio Veneer Co., 2624 Colerain Ave., Cincinnati, O
Ohio Wax Paper Co., Columbus, O.
Ohio Wax Paper & Printing Co., 22nd & Frebis Ave. Columbus, O.
Ohio Well Drilling Co., contrs., Jacksonville, Fla.
Ohio Wire Goods Mfg. Company, The, Akron, O.
Ohio Wood Preserving Co., Century Bldg., Pittsburgh Pa.
Ohio Wood Turning Co., bowling alley supplies, Cleveland, O.
Ohio Zinc Co., Canon City, Colo.
Ohl, Geo. A., & Co., shears, 159 Oraton, Newark, N. J.
Ohlemacher Brick Co., Michigan City, Ind.
Ohlmacher, C. J., & Co., cornices & skylights, Sycamore, Ill.
Ohlen & Sons Saw Mfg. Co., The James, West End of Buttles Ave., Columbus, O.
Ohlen-Bishop Co., The, Columbus, O.
Ohlsen, John, & Son, contrs., Loup City, Neb.
Ohman Map Co., 258 Broadway, New York.
Ohmen Engine Works, see Herzog Electric & Engng. Co. (successor).
Ohmer Fare Register Co., Bofender & Big Four, Dayton, O.
Ohmer's Sons Co., M., 26-28 E. First St., Dayton, O
Ohmlac Mfg. Co., cements compounds, enamels, paints, etc., 140 S. Dearborn, Chicago, Ill.
Ohr, F. G., carriages, Monroe, Mich.
Oichman, S., Trunk Co., 29 Howard, New York.
Oil & Chemical Corp., 4600 Iowa St., Chicago.
Oil & Gas Journal, trade publication, 114 W. 2nd, Tulsa, Okla.
Oil & Grease Co., soap, 65 Broadway, New York.

OIL & WASTE SAVING MACHINE CO., Real Estate Trust Bldg., Philadelphia, Pa.

Oil Burner Supply Co., 710 N. Main, Los Angeles, Calif.

OIL CITY BOILER WORKS, Oil City, Pa.

Oil City Brass Works, Beaumont, Tex.
Oil City Engine & Power Co., oil well supplies, 638 Seneca, Oil City, Pa.
Oil City Foundry Co., Oil City, Pa.
Oil City Iron Works, Corsicana, Tex.
Oil City Iron Works, Shreveport, La.
Oil City Oil & Grease Co., Oil City, Pa.
Oil City Woodworking & Mfg. Co., sash, door & blind mfrs., Oil City, Pa.
Oildom Publishing Co., trade publication, 680 Av. E,, New York.
Oil-Fields Specialties Co., oil well tools, 1940 E. Vernon, Los Angeles, Calif.
Oil Mining Equipment Co., 2026 Santa Fe Ave., Los Angeles, Cal.
Oil News, trade publication, 14 E. Jackson blvd., Chicago, Ill.
Oil, Paint & Drug Reporter, trade publication, 100 William, New York.
Oil Seeds Co., castor, corn, etc., 35 S. William, New York.
Oil Service Equipment, McCormick Bldg., Chicago.
Oil Specialties & Supply Co., 39 Cortland St., New York.
Oil Stopper Piston Ring Co., Muskegon, Mich.
Oil Tool Service Mfg. Co., Anheim, Calif.
Oil Trade Blue Book, 140 S. Dearborn, Chicago, Ill.
Oil Trade Journal, trade publication, 350 Madsion av., New York.
Oil Weekly, trade publication, Houston, Texas.
Oil Well Equipment Co., 4950 Santa Fe av., Los Angeles, Calif.
Oil Well Improvement Co., Tulsa, Okla.
Oil Well Supply Co., 1st & Elwood, Tulsa, Okla.
Oil Well Supply Co., 213 Water St., Pittsburgh, Pa.
Oilgear Company, The, 655-667 Park St., Milwaukee, Wis.
Oiline Refining Co. of America, 183 Ogden Ct., Newark, N. J.

OKADEE COMPANY, THE, 1614 Lytton Bldg., Chicago.

Pres.—A. G. Hollingshead.
V. P.—Harry Vissering, Chas. R. Long, Jr., G. S Turner, J. M. Monroe.
Sec.—F. G. Zimmerman.
Treas.—H. L. Voge.
Mech. Expert—J. S. Lemley.
Mech. Engr.—W. H. Heckman.
Chief Draftsman—H. Coventry.
Chicago—A. G. Hollingshead, Harry Vissering, G. S. Turner, J. M. Monroe, W. H. Heckman, F. G. Zimmerman, H. L. Voge, A. D. Ballantine, J. S. Lemley, G. E. Johnson, H. Coventry.

O'Keefe, Arthur W., contractor, Plymouth, Ind.

O'KEEFE ADVTG. AGENCY, 45 Bromfield St., Boston, Mass.

O'Keefe Lumber Co., Plymouth, Ind.
O'Keefe-Orbison Engng. & Construction Co., paper & pulp mill architects, Appleton, Wis.
O'Keefe, Thos. A., Leather Co., Goodhue, Salem, Mass.
Okeene Milling Co., feed, Okeene, Okla.
Okeh Hosiery Mills, Lemoyne, Pa.
Okell Well Machinery Co., 151 N. Los Angeles, Los Angeles, Calif.
O'Kelly, Gregory, safety carrying hooks, etc., 35 S. Dearborn, Chicago, Ill.
Okerlund, Richard J., architect, Omak, Wash.
Okie, F. E., Co., printing inks, 127 S. 2d, Philadelphia, Pa.
Okie, Francis G., printing inks, Spring & Darien, Phila., Pa.
Oklahoma Auto Mfg. Co., N. Muskegon, O.
Oklahoma Broom Corn Warehouses, Lincoln, Neb.
Oklahoma Carriage Works, 800 W. Grand, Oklahoma, Okla.
Oklahoma City Hardware Co., 25 E. California St., Oklahoma City, Okla.
Oklahoma City Mill & Elevator Co., flour, 1st & Francis, Oklahoma, Okla.
Oklahoma Furn. Mfg. Co., Dept. H, 101 E. Grand, Oklahoma, Okla.
Oklahoma Iron Works, Jackson & Archer Sts., Tulsa, Okla.
Oklahoma Mill Co., flour, Kingfisher, Okla.
Oklahoma Portland Cement Co., Ada, Oklahoma.
Oklahoma Producing & Refining Corp. of America, 121 N. Peoria St., Tulsa, Okla.
Oklahoma Sash & Door Co., 8 E. Grand, Oklahoma, Okla.
Oklahoma Steel Castings Co., Tulsa, Okla.
Oklahoma Spring Bed Mfg. Co., 712 S. Broadway, Oklahoma, Okla.
Oklahoma Supply & Navigation Co., sand & gravel, Muskogee, Okla.
O'Kleen-O Products Co., disinfectants, floor oils, soaps, etc., 712 Madison av., Baltimore, Md.

OKONITE COMPANY, THE, New York.

Okonite Co., insulated wires and cables, Passaic, N. J.
Okura Co., The (Gen'l Exp.), 30 Church St., New York.
O'Laughlin Co., A. C., 111 W. Washington St., Chicago.
Olbrich & Galbeck Co., furniture, 355H N. Ashland av., Chicago, Ill.
Old Ben Coal Co., McCormick Bldg., Chicago.
Old Berkshire Mills, (Writing Paper), Dalton, Mass.
Old Bridge Enam. Brick & Tile Co., Old Bridge, N. J.
Old Buck Guano Co., fertilizer mfrs., Richmond, Va.
Old Colony Co., gray iron castings, East Bridgewater, Mass.
Old Colony Crushed Stone Co., Quincy, Mass.
Old Colony Foundry Co., East Bridgewater, Mass.
Old Colony Mfg. Corp., Taunton, Mass.
Old County Green Soap Co., Winona, Minn.
Old Dominion Glass Corp., bottles, Alexandria, Va.
Old Dominion Iron & Steel Corp., Richmond, Va.
Old Dominion Iron Wks., Norfolk, Va.
Old Dominion Marine Railway, engines, boilers, etc., Berkley, Va.
Old English Slate Co., Glens Falls, N. Y.
Old English Slate Quarries, 1127 O S Bldg., Boston, Mass.
Old Homestead Cannery Co., Fork Union, Va.
Old King Cole, Inc., 920 Market av. S., Canton, Ohio.
Old Mission Portland Cement Co., 715 Standard Oil bldg., San Francisco, Calif.
Old Oak Soap Co., Inc., 1053 Mission, San Francisco, Calif.
Old Reliable Motor Truck Co., 3913 S. Michigan Blvd., Chicago.
Old Royde Mining Machy. Co., coal cutters, 621 W. Front, Cincinnati, O.
Old '76 Dist. Co., 9 Masonic Temple, Cincinnati, Ohio.
Old Town Canoe Co., Old Town, Me.
Old Town Ribbon & Carbon Co., Inc., 245-249 Centre St., New York.
Old Town Sheet Metal Works, cornices & skylights, Tacoma, Wash.
Oldberg Mfg. Co., auto mufflers & valves, 2661 E. Grand blvd., Detroit, Mich.
Oldenburg, Arthur L., Co., plumbers' & steam fitters' supplies, 1447 E. 39th, Cleveland, Ohio.
Olden's, Geoffrey J., Son, shoe patterns, 6 Spruce, New York.
Oldfield, Barney, Mfg. Co., die cutting machy., 18th & Hill, Los Angeles, Calif.
Oldfield, James W., machinist, Laurel, Del.
Oldfield Motors Corp., Monrovia, Calif.
Oldham & Son Co., Geo., 200 Scott St., Baltimore, Md
Oldham-Bennett Realty Co., The, Sidney, O.
Oldham New York Saw Works, 112 26th St., Brooklyn, N. Y.
Oldman-McKee Boiler Works, 38 Illinois, Buffalo, N. Y.
Oldroyd Mining Mach. Co., Spring Grove & Alabama, Cincinnati, Ohio.
Oldsmar Tractor Co., Oldsmar, Fla.
Olds & Hixson, lumber, Vanderbilt, Mich.
Olds & Whipple, fertilizer mfrs., 166 State, Hartford, Conn.
Olds, M. D., lumber, Cheboygan, Mich.
Olds Motor Works, Lansing, Mich.
Olds Soap & Chemical Co., 540 W. McCarthy, Indianapolis, Ind.
Olean Bridge & Supply Co., contrs., Olean, N. Y.
Olean Builders' Supply Co., Inc., Olean, N. Y.
Olean Pressed Brick Co., Olean, N. Y.

O'LEARY & SON CO., ARTHUR J., 5757 W. 65th St., Chicago.

Pres.—John W. O'Leary.
V. P.—Richard Hoskin.
Asst. Sec.—James S. Nicoll.

O'Leary, J. J., Co., contractors, Passaic, N. J.
Oleslager, John B., cornices, Jackson, Mich.
Oleite Corporation, 110 William St., New York.
Oleum Products Co., 1129 Caponse av., Scranton, Pa.
Olewine, Wm., & Son, mine hames, Hazelton, Pa.
Olin Gas Engine Co., 10 Lock St., Buffalo, N. Y.
Oline Lumber Co., Warren, Ind.
Oliphant-Johnson Coal Co., Vincennes, Ind.
Olive & Myers Mfg. Co., mattresses, Dallas, Tex.
Olive-Baker Mfg. Co., advtg. novelties, 315 1st av. N., Minneapolis, Minn.
Olive Can Co., The, 1282 Clybourn Ave., Chicago.
Olive Milling Co., flour, Olive, Calif.
Olive Stove Works, Rochester, Pa.
Oliver & Co., Dept. H., furniture, Allegan, Mich.

Oliver & Co., granite producers, Barre, Vt.
Oliver & Howland Co., mill & facty. supplies, 240 Main, Springfield, Mass.
Oliver & Leasure Lumber Co., 1st National Soo Line Bldg., Minneapolis, Minn.
Oliver & Meyers Mfg. Co., mattresses, Dallas, Tex.
Oliver & Snyder Steel Co., 10th & Muriel Sts., Pittsburgh, Pa.
Oliver & Williams, steel rings, 39 Pitts, Boston, Mass.
Oliver, A. C., lumber, Frozard, La.
Oliver, A. F., Gear & Mach. Co., 60 Cherry, Buffalo, N. Y.
Oliver-Barth Jack Co., 348-352 Milwaukee St., Milwaukee, Wis.
Oliver Bros. Pur. Co., Peoples Bldg., Pittsburgh, Pa.
Oliver Bros., whol. hdwe., 71 Murray, New York.
Oliver Chilled Plow Works, South Bend, Ind.
Oliver Co., The, Lincoln av., San Jose, Calif.
Oliver Continuous Filter Co., 503 Market St., San Francisco, Calif.

OLIVER ELECTRIC & MANUFACTURING CO., 4221 Forest Park Blvd., St. Louis, Mo.
Pres.—G. W. Oliver.
V. P. & Sec.—J. A. Amos.
Treas.—J. B. Oliver.
Chicago—649 McCormick Bldg., W. A. Ross, Mgr.
New York—5613 Grand Central Terminal, G. V. Wright, Mgr.

Oliver, E. J., & A. W., contractors, Chester, Pa.
Oliver, Edwin L., engineer, 503 Market, San Francisco, Calif.
Oliver, Horace T., contractors, 328 South av., Rochester, N. Y.
Oliver Instrument Co., Adrian, Mich.
Oliver Iron & Steel Co., 10th & Muriel Sts., Pittsburgh, Pa.
Oliver Iron Mining Co., Duluth, Minn.
Oliver Lumber Co., Hastings, Neb.
Oliver Machinery Co., 1025 Clancy St., N. E., Grand Rapids, Mich.
Oliver Mfg. Co., pumps, 4th & Madison, Oakland, Calif.
Oliver Mfg. Co., see Oliver-Barth Jack Co. (successor).
Oliver Mfg. Co., W. W., 1483 Niagara St., Buffalo, N. Y.
Oliver Plow Co., Wm. J., Knoxville, Tenn.
Oliver Silica Sand Company, Massillon, O.
Oliver Tire & Rubber Co., tire retreads, 4343 San Pablo av., Oakland, Calif.
Oliver Tractor Co., The, Knoxville, Tenn.
Oliver Typewriter Co., The, 159 N. Dearborn St., Chicago.
Oliver, W. W., Mfg. Co., machsts., 1483 Niagara, Buffalo, N. Y.
Oliver, Wm., masons mtls., Otsego, Mich.
Oliver, Wm. J., Mfg. Co., flat cars & plows, Knoxville, Tenn.
Olivia Canning, Preserving & Mfg. Co., Olivia, Minn.
Olivoint Chemical Co., 4273 California, San Francisco, Calif.
Ollhoff, F. W., lbr., Merrill, Wis.
Ollinger, Harry W., machinist & founder, Mobile, Ala.
Olmo, Frank, cornices & skylights, 3460 Mission, San Francisco, Calif.
Olmstead & Sons, A. E., Orwell, N. Y.
Olmstead Company, Inc., The, 121 S. Clinton St., Syracuse, N. Y.
Olmstead, Fernando C., contractor, Danbury, Conn.
Olney, B., Canning Co., Oneida, N. Y.
Olmstead-Thomson Mfg. Co., The, Kensington St., New Britain, Conn.
Olmsted-Flint Co., Cambridge 39, Mass.
Olney & Floyd, canned goods, Westernville, N. Y.
Olney & Warrin, 295 Lafayette St., New York.
Olney, G. W., Woolen Co., Cherry Valley, Mass.
Olney, Geo. H., & Co., Inc., tooth pick machy., etc., 50 Church, New York.
Olney Milling Co., flour, Olney, Ill.
Olney Woolen Mills, Cherry Valley, Mass.
O'Loughlin & Co., plbrs.' & steamfitters' supplies, 11 Camp pl., Newark, N. J.
Olsen & Morse, elec. contrs., Norwich, Conn.
Olsen & Tilgner Mfg. Co., machsts., 2280 Elston av., Chicago, Ill.
Olsen, Andrew, machst. & fndr., 615 68th, Brooklyn, N. Y.
Olsen Co., O. C. S., 2511 Moffatt St., Chicago.
Olsen Concrete Mixer Co., Elkhorn, Wis.
Olsen, H. E., & Son, contrs., Am. Bldrs.' Exch., Omaha, Neb.
Olsen Testing Machine Co., Tinius, 500 N. 12th St., Philadelphia, Pa.
Olson & Co., Samuel (Elevating & Conveying Machy.), 2418-26 Bloomingdale Ave., Chicago.
Olson & Dethe Carriage Co., Sioux Falls, S. D.

OLSON & ENZINGER, INC., Milwaukee, Wis.

Olson & Mahoney Lumber Co., 5th & Channell, San Francisco, Calif.
Olson, A. J., & Co., furnaces, 217 W. Lake, Chicago, Ill.
Olson, A. J., Constr. Co., contrs., Exchange bldg., Dept. H, Memphis, Tenn.
Olson Broom Co., Sterling, Kan.
Olson Construction Co., Lincoln, Neb.
Olson Mfg. Co., feed & litter carriers, hay tools, Albert Lea, Minn.
Olson Mfg. Co., screw machine products, Worcester, Mass.
Olson, Nels M., flour mills, Mazeppa, Minn.
Olson, O. C., agricultural implements, Waupun, Wis.
Olson, Oliver, machst., Clarinda, La.
Olvany, Wm. J., steam & hot water heating contr., 100 Charles, New York.
Olympia Construction Co., 333 Washington, Boston, Mass.
Olympia Door Co., Olympia, Wash.
Olympia Dredging Co., 249 1st, San Francisco, Calif.
Olympia Hardware Co., cornices & skylights, Olympia, Wash.
Olympia Veneer Co., Olympia, Wash.
Olympian Knit Goods Co., sweaters, cardigans, etc., New Hartford, N. Y.
Olympian Motors Co., Pontiac, Mich.
Olympic Foundry Co., Argo Station, Seattle, Wash.
Olympic Portland Cement Co., Ltd., Stuart Bldg., Seattle, Wash.
Olympic Steel Works, 151 Horton St., Seattle, Wash.
Olyphant Foundry Co., Olyphant, Pa.
Olyphant Silk Co., silk fringes, Olyphant, Pa.
Omaha Alfalfa Milling Co., meal, Omaha, Neb.
Omaha Auto Top Co., tire covers, etc., Omaha, Neb.
Omaha Baum Iron Store, Inc., Omaha, Neb.
Omaha Blau Gas Co., Omaha, Neb.
Omaha Box Co., Omaha, Neb.
Omaha Canning Co., Omaha, Ill.
Omaha Central Iron Works, steel structural works, 104 S. 10th, Omaha, Neb.
Omaha Clay Works, Omaha, Neb.
Omaha Cooperage Co., Omaha, Neb.
Omaha Electrical Works, Omaha, Neb.
Omaha Fiber & Corrugated Box Co., Omaha, Neb.
Omaha Fixture & Supply Co., Omaha, Neb.
Omaha Foundry Co., Omaha, Neb.
Omaha Hardwood Lumber Co., Omaha, Neb.
Omaha Folding Machine Co., Omaha, Neb.
Omaha Gas Co., Omaha, Neb.
Omaha Leather Co., Omaha, Neb.
Omaha Metal & Rubber Co., Omaha, Neb.
Omaha Packing Co., meat, 2320 S. Halsted, Chicago.
Omaha Sanitary Supply Co., steam fitters' & plumbers' supplies, jobbers, Omaha, Neb.
Omaha School Supply Co., 1113 Nicholas, Omaha, Neb.
Omaha Steel Wks., contrs., machsts., stacks, etc., Omaha, Neb. (tr.)
Omaha Stove Repair Works, Omaha, Neb.
Omaha Structural Steel Wks., 1026-30 S. 19th St.
Omaha Trunk Factory, Omaha, Neb.
Omaha Woodworking Co., Omaha, Neb.
O'Mahony, Jerry, Inc., lunch wagon bldrs., Bayonne, N. J.
O'Malley Beare Valve Co., 255 E. 95th St., Chicago.
O'Malley Co., The M. J. 220 Franklin St., Springfield, Mass.
Oman Bowling Green White Stone Co., Bowling Green, Ky.
O'Mara Heating Co., Victoria Bldg., St. Louis, Mo.
O'Mara Parlor Frame Co., furniture, 2141H W. Austin av., Chicago, Ill.
O'Mara Specialty Co., 147 Roebling, Brooklyn, N. Y.
O'Meara Co., Maurice, 450 Pearl St., New York.
O'Meara Belting Co., 1207 Farnum St., Omaha, Neb.
O'Meara Bros., paint, Hillsdale, Mich.
O'Meara Constr. Co., 228 S. Warnock, Philadelphia, Pa.
Omega Shoe Polish Co., 420 S. Los Angeles, Los Angeles, Calif.
O'Melia, J. H., Lumber Co., Rhinelander, Wis.
Omnigraph Mfg. Co., radio app., 16 Hudson, New York.
Omo Mfg. Co., rubber goods, Middletown, Conn.
Omohundro, T. E., canned goods, Farmers Fork, Va.
Omolite Co., light controlling devices, Jamestown, N. Y.
Omstead, O. J., turpentine, Millcreek, Fla.
Onalaska Pickle & Canning Co., Onalaska, Wis.
One Minute Mfg. Co., machsts. & fndrs., Newton, Ia.
One-Piece Bifocal Lens Co., 426 N. Capitol av., Indianapolis, Ind.
O'Neal, C. L., lime mfrs., Eureka, Ala.
O'Neal-Gowen Lumber Co., Everett, Wash.
O'Neal, Wm., Co., culverts—road, Crawfordsville, Ind.
O'Neall Co., The W. Q., Crawfordsville, Ind.
Oneida Chain Co., Oneida, N. Y.
Oneida Community, Ltd., Oneida, N. Y.
Oneida County Canning Co., Ltd., Verona, N. Y.
Oneida Motor Truck Co., Green Bay, Wis.
Oneida Wood Pulley Co., Oneida, N. Y.
O'Neil, H. C., brick, Montowese, Conn.
O'Neil, J. G., 53 W. Jackson Blvd., Chicago.
O'Neil, J. H., Jr., 555 Main St., Pawtucket, R. I.
O'Neil, Jas., carriages, Binghamton, N. Y.
O'Neil Lumber & Land Co., Henry (Now O'Neil Lumber Co.), St. Louis, Mo.
O'Neil Lumber Co., Inc., 4420 N. Union St., St. Louis, Mo.
O'Neil, M., Supply Co., mill & factory supplies, 25 Cliff, New York.
O'Neil, M. J., mill & facty. supplies, Henderson, N. C.
O'Neil Oil & Paint Co., 297-303 E. Water St., Milwaukee, Wis.
O'Neil, T. L., portable grain elevator, disc harrows, street flushing machines, Marseilles, Ill.
O'Neil, W. H., & Co., lumber, Dallas, Tex.
O'Neil, W. J., & Co., wholesale hardware, Fresno, Calif.
O'Neil, Wm., & Son Co., contractors, Faribault, Minn.
O'Neill & O'Neill, belt buckles, 82 Union, Newark, N. J.
O'Neill & Preston, contrs., Exchange Bank Bldg., St. Paul, Minn.
O'Neill Elevator Co., 628 Cherry St., Philadelphia, Pa.
O'Neill, J. J., Co., contractors, Holyoke, Mass.
O'Neill, Joseph, wire wks., Port Chester, N. Y.
O'Neill Lumber Co., Jersey av., Jersey City, N. J.
O'Neill Machine Co., The, Toledo Factories Bldg., Toledo, O.
Oneill, M., Supply Co., pipe jobbers, 25 Cliff, New York.
O'Neill Stone Co., Conshohocken, Pa.
O'Neill Wire Works, Joseph, Port Chester, N. Y.
One Minute Mfg. Co., Newton, Ia.
Onen Hardware Co., Dowagiac, Mich.
Onken, Oscar & Co., window display fixtures, 4th & Cutter, Cincinnati, Ohio.
Onondaga Auto Supply Co., 353 E. Onondaga Ave., Syracuse, N. Y.
Onondaga Bed Mfg. Co., mattresses, Syracuse, N. Y.
Onondaga Brass Co., machinists, Syracuse, N. Y.
Onondaga Coarse Salt Association, Syracuse, N. Y.
Onondaga Litholite Co., artificial bldg. stone, 102 N. Beach St., Syracuse, N. Y.
Onondaga Paper Co., Marcellus Falls, N. Y.
Onondaga Pottery Co., 1858 W. Fay St., Syracuse, N. Y.
Onondaga Salt Co., Inc., Syracuse, N. Y.
Onondaga Steel Co., Inc., James & Thompson Rd., Syracuse, N. Y.
Onsrud Machine Works, Inc., 3908-10 Palmer St. Chicago.
Onstine, A., lumber, Echo, Wash.
Ontalaunee Slate Mfg. Co., Lynnport, Pa.
Ontario Drill Co., East Rochester, N. Y.
Ontario Elect. Steel Co., Inc., Fulton, N. Y.
Ontario Gypsum Co., Ltd., Paris, Ont., Canada.
Ontario Knife Co., Franklinville, N. Y.
Ontario Lantern & Lamp Co., Hamilton, Ont., Can.
Ontario Machine Screw Co., 3415 Rorer St., Philadelphia, Pa.
Ontario Mfg. Co., machinists, Ontario, Calif.
Ontario Talc Co., Gouverneur, N. Y.
Ontario Thread Co., 121 W. 17th, New York.
Onward Mfg. Co., Main St., Menasha, Wis.
Onyx Oil & Chemical Co., Jersey City, N. J.
Oostburg Canning Co., Oostburg, Wis.
Op-Al Electric & Manufacturing Co., curling iron heaters, 1057 W. 30th, Indianapolis, Ind.
Opal Sign Co., 254 10th av., New York.
Opalite Sign Co., 407 N. Wells St., Chicago.
Opalite Tile Co., Monaca, Pa.
Opalux Co., shades & reflectors, 200 5th av., New York.
Opdenweyer-Alcus Cypress Co., Sorrento, La.
Opdenweger-George Lumber Co., Perdido & Lopez, New Orleans, La.
Opelika Oil Mill Corp., fertilizer mfrs., Opelika, Ala.
Open Muffler Mfg. Co., 340 Azusa, Los Angeles, Calif.
Operative Miller, trade publications, 721 S. Wood, Chicago, Ill.
Operators' Piano Co., 16 S. Peoria, Chicago, Ill.
Opie Brush Co., 1422 McGee St., Kansas City, Mo.
Opit, John, & Co., stone producers, Oak Park, Ill.
Oppel, Rudolph, cornices & skylights, 230 E. 22d, New York.
Oppenheimer & Co., 62-64 Main St., Buffalo, N. Y.
Oppenheimer, J., & Co., scrap brass, copper, iron & steel, 2 Rector, New York.
Oppenheimer, Otto H., Co., leather, 382 Frelinghuysen av., Newark, N. J.
Oppenheimer, S., & Co., sausage making machines, 2700 S. Wabash av., Chicago, Ill.
Opportunity Mfg. Co., furn., Dept. H, Saginaw, Mich.
Optenberg Iron Works, Sheboygan, Wis.
Optical Journal & Review, trade publication, 11 John, New York.
Optical Lens Co., lenses, Southbridge, Mass.
Optical Specialty Mfg. Co., optical goods, Southbridge, Mass.
O'Quinn, W. J., & Sons, turpentine, Odum, Ga.
Oram Co., John S., The, 5240 Hamilton Ave., Cleveland, Ohio.
Oram, Jas. C., & Co., stencils, 100 W. South Water, Chicago, Ill.
Orange Carriage Co., Orange, N. J.
Orange Cotton Mills, rope, twine, Orangeburg, S. C.
Orange Hardware Co., Orange, Mass.
Orange Mach. & Mfg. Co., Orange, N. J.
Orange Mfg. Co., metal buttons, 190 Emmette, Newark, N. J.
Orange Rice Mill Co., Orange, Tex.
Orangeburg Fertz. Co., Orangeburg, S. C.
Orbis Products Trading Co., Inc., arabic gum & essential oils, 212 Pearl, New York.
Orbon Stove & Range Co., Belleville, Ill.
Orcas Lime Co., Bellingham, Wash.
Orcutt, B. L., & Sons, butter tubs, Dickinson Center, N. Y.
Ord Milling Co., flour, Ord, Neb.
Ordnance Engineering Corp., 120 Broadway, New York.
Ordinator Co., window shades, 233 E. 41st, New York.
Ordway, Chas., Succ. The Yaryan Co., 25 Church St., New York.
O'Reilly Lumber Co., 1937½ N. Broadway, St. Louis, Mo.
O'Reilly, M. J., natural gas burners, 364 Md., Buffalo, N. Y.
O'Reilly, Phillip, 84 Neptune, Jersey City, N. J.
Oregon Brass Works, Inc., Second and Everett Sts., Portland, Ore.
Oregon Box & Mfg. Co., 1144 MacAdam, Portland, Ore.
Oregon Canning Co., Oregon, Mo.
Oregon Casket Co., 101 N. 5th, Portland, Ore.
Oregon Chair Co., 1190 MacAdam, Portland, Ore.
Oregon City Foundry, Oregon City, Ore.
Oregon City Mfg. Co., blankets, robes, Oregon City, Ore.
Oregon Door Co., foot of Spokane av., Portland, Ore.
Oregon Fan Belt Mfg. Co., 142½ 2d, Portland, Ore.
Oregon Fisheries Co., canners, Bay City, Ore.
Oregon Iron & Steel Co., Porter Bldg., Portland, Ore.
Oregon Lumber Co., Yeon Bldg., Portland, Ore.
Oregon Machinery Co., Eugene, Ore.
Oregon Marine & Fisheries Supply Co., 105 1st, Portland, Ore.
Oregon Packing Co., canned goods, 420 E. Alder, Portland, Ore.
Oregon-Pacific Co., Wilcox Bldg., Portland, Ore.
Oregon Planing Mill Co., Portland, Ore.
Oregon Portland Cement Co., Oswego, Ore.
Oregon Pulp & Paper Co., N. W. Bank bldg., Portland, Ore.
Oregon Sheet Metal Works, Portland, Ore.
Oregon Ship Timber Mills, Linnton, Ore.
Oregon State Agricultural Coll., Corvallis, Ore.
Oregon, Washington & Idaho Airplane Co., Fair Grounds, Portland, Ore.
Oregon Welding & Machine Works, 5th & Glesan, Portland, Ore.
Oregonian Bridge Co., Lebanon, O.
Orenoco Furn. Co., Dept. H., Columbus, Ohio.
Orford Soap Co., Manchester, Conn.
Organ Blowing Engineering Co., motors, Fond du Lac, Wis.
Organite Salt & Acid Co., Borden Ave., New York.
Orgill Bros. & Co., 505 Tennessee St., Memphis, Tenn.
Orgler Envelope Co., 66 Duane, New York.
Oriel Glass Co., Liggett Bldg., St. Louis, Mo.
Orient Coke Co., Uniontown, Pa.
Orient Sand & Cement Co., Wichita, Kans
Oriental Emery Co., 219 Water St., New Haven, Conn.
Oriental Glass Mfg. Co., Cicero, Ill.
Oriental Lumber Co., Oriental, N. C.
Oriental Supply Syndicate, mill & factory supplies, 688H Howard, San Francisco, Calif.
Oriental Textile Mills, press cloths, Houston, Texas.
Oriental Varnish Wks., 979 Franklin av., Brooklyn, N. Y.
Original Bradford Soap Works, Inc., 213 Blackstone, Providence, R. I.
Original Mfg. Co., toys, games, etc., Greenville, Mich.
Originator Mfg. Co., coffee & peanut roasters, 302 Broadway, New York.
Orinoco Furniture Co., Columbus, Ind.
Orinoco Supply Co., bldrs.' supplies, Winston-Salem, N. C.
Oriole Electric Mfg. Co., The, Norwalk, Conn.
Oriskany Malleable Iron Co. (Ltd.), fndrs., Oriskany, N. Y.
Orleans Bobbin Works, Newport, Vt.
Orleans County Canning Co., Barre Center, N. Y.
Orleans County Quarry Co., stone producers, Albion, N. Y.
Orleans Demolishing & Supply Co., bldrs.' matls., 411 W. Ramport, New Orleans, La.
Orleans Felt Mattress Works, 1217 N. Peters, New Orleans, La.
Orleans Mfg. Co., coffins, Girod & St. Peters, New Orleans, La.
Orleans Steel Products Co., Inc., roofing & sheet metal products, 1021 Bienville, New Orleans, La.
Orman Lumber Co., Lancaster, Ohio.
Orman-Partee Saddlery Co., 135 2d av. N., Nashville, Tenn.
Orme's, Hy., Sons, machsts. & fndrs., St. Paul, Minn.
Ormont, Bernard, 106 John St., New York.
Ormsby, E. A., & Sons, ventilating apparatus, Melrose Sta., Boston, Mass.
Ornamental Foundry Co., Anniston, Ala.
Ornamental Iron & Wire Works, 123 E. 23rd St., Erie, Pa.
Ornamental Iron Works Co., The, 92 Sweltzer Ave., Akron, O.
Ornamental Products Co., classic wood carvers, 2101 W. Lafayette, Detroit, Mich.
Ornate Mfg. Co., portables, 110 W. 34th, New York.
Orndorff & Cheney, flour mills, Adairville, Ky.
Orndorff, M. M., lime mfrs., Oranda, Va.
Orndorff, O. F., agricultural implements, Council Bluffs, Iowa.
Oro Grande Lime & Stone Co., Douglas Bldg., Los Angeles, Calif.
Oro Natural Products Co., 360 Bryant, San Francisco, Calif.
Orona Sales Co., metal polish & soap, 216 Milk st., Boston, Mass.
Orono Pulp & Paper Co., Bangor, Me.
Oronogo Machy. Co., Oronogo, Mo.
O'Rourke Engineering Construction Co., 17 Battery Pl., New York.
O'Rourke, J. P., heating contractors, Prosser, Wash.

Orpin Desk Company, 121 Medford St., Charlestown, Mass.
Orr & Co., C. F., 209 S. State St., Chicago.
Orr & Jennings, machsts., 311 Fore, Portland, Me.
Orr & Sembower, Inc., Reading, Pa.
Orr Bros. Supply Co., Cedar Rapids, Ia.
Orr Co., John C., West St., Brooklyn, N. Y.
Orr Cotton Mills, sheetings, Anderson, S. C.
Orr Felt & Blanket Co., Piqua, O.
Orr, Galen & Co., hardware mfrs., Needham, Mass.
Orr Iron Co., 17 E. Pennsylvania St., Evansville, Ind.
Orr, J. C., & Son, contrs., 7th & 5th, Altoona, Pa.
Orr Machine Guarding Co., 100 Pashley Ave., Trenton, N. J.
Orrock Carriage Co., 1848 Market, Denver, Colo.
Orrtanna Canning Co., Orrtanna, Pa.
Orrville Bedding Co., Orrville, Ohio.
Orrville Milling Co., Orrville, Ohio.
Orschel, H. M., Co., mill & factory supplies, Omaha, Neb.
Orsenigo Co., Inc., furniture, Dept. H, Skillman av. & Rawson, Long Island City, N. Y.
Ort & Lang, wagon spokes, Vanceburg, Ky.
Ort, A. John, 69 Leroy av., Buffalo, N. Y.
Ortega, E. C., canned goods, 602 Santa Fe av., Los Angeles, Calif.
Ortil, Chas. F., cornices & skylights, 2510 Barber av. S. W., Cleveland, Ohio.
Ortman Motor Co., autos, tractors, airplanes & auto accessories, Washington Court House, Ohio.
Ortmann, A., & Son, advtg. nov. & spec., 107 W. 124th, New York.
Ortner, Geo. J., mach. & fndr., Pueblo, Colo.
Ortner, John E., & Co., silver nov., 18 S. 20 Irving, N. J.
Ortner, Jos. J., dumb waiters, 18 S. Irving, Newark, N. J.

ORTON & STEINBRENNER CO., (Mfrs. of Locomotive Cranes), 608 S. Dearborn St., Chicago
Shops—Huntington, Ind.
Pres.—P. A. Orton.
V. P.—E. B. Ayers.
Sec.—Herbert Mertz.
Cleveland, O.—Sixth St. Clair Bldg., R. J. Thomas.
Dallas, Tex.—3027 Elm St., W. A. Browning.
Denver, Colo.—1707 Franklin St., P. Kranefeld.
Detroit, Mich.—6464 Epworth Blvd., B. L. Whitney.
Los Angeles, Cal.—1213 Fuller Ave., Walter Hasendahl.
Milwaukee, Wis.—1st Wis. Nat. Bank Bldg., H. Y. Smith Co.
New Orleans, La.—Whitney Central Bldg., Hackett & Garsand.
New York—136 Liberty St., J. Ross Bates.
Oakland, Cal.—9th & Cedar Sts., Spears Wells Machinery Co.
Philadelphia, Pa.—20 S. 15th St., S. R. Vanderbeck.
Pittsburgh, Pa.—Benedum Trees Bldg., E. E. Brosius.
Portland, Ore.—Zimmerman-Wells-Brown Co.
St. Louis, Mo.—Title Guaranty Bldg., W. T. Tulley.
St. Paul, Minn.—Guardian Life Bldg., Contrs. Supply Equipment Co.
Salt Lake City, Utah.—W. 2nd St., F. C. Richmond Machinery Co.
Canada:
Montreal, Que.—Holden Co., Ltd., The.
Toronto, Ont.—Holden Co., Ltd., The.
Vancouver, B. C.—Holden Co., Ltd., The.
Winnipeg, Man.—Holden Co., Ltd., The.

Orton Machine Co., planing machy., 325 Fremont, San Francisco, Calif.
Orum, Morris L., 1320 N. 19th St., Philadelphia, Pa.
Orvis, Chas. F., Co., fishing bait, reels & rods, Manchester, Vt.
Orwich, Sherman, lumber Wattsville, Ohio.
Orwiler & Armstrong, sashes, doors & blinds, Nevada, O.
Osada Sheet Metal & Wood Works, closet seats, 1422 S. Front, Philadelphia, Pa.
Osage Coal & Mining Co., McAlester, Okla.
Osage Fdry. & Mach. Co., Bartlesville, Okla.
Osage Mfg. Co., cotton sheetings, Bessemer City, N. C.
Osakis Milling Co., flour, Osakis, Minn.
Osann Co., Frederick, 245 Seventh Ave., New York.
Osborn & Whitney, canned goods, Rush, N. Y.
Osborn, C. D., Co., leather gloves, 2201 Wabansia av., Chicago, Ill.
Osborn-Crew Mfg. Co., cleaners, dressers, 1628 E. 39th, Cleveland, Ohio.
Osborn Co., C. J., 132 Nassau St., New York.
Osborn Co., J. M. & L. A., 1047 Superior Ave., Cleveland, O.
Osborn, D. M., Machy. Dlrs. Co., Cleveland, Ohio.

OSBORN ENGINEERING CO., THE, 7016 Euclid Ave., Cleveland, O.
Osborn, F. C., machst. & fndr., 130 Lawrence av., Detroit, Mich.
Osborn, H. A., canned goods, Havre de Grace, Md.
Osborn, J. E., & Co., leather, Peabody, Mass.
Osborn's, J. F., Sons, machsts. & fndrs., & mill & factory supplies, Clarksburg, W. Va.
Osborn, J. H., Lumber Co., Humboldt, Kans.
Osborn, J. K., Mfg. Co., brass fndrs., Harrison, N. J.
Osborn Lumber Co., Osborn, Ohio.
Osborn Machine Co., Dubois, Pa.
Osborn Mfg. Co., animal cages, 949 Broadway, New York.
Osborn Mfg. Co., Inc., The, 5401 Hamilton Ave., Cleveland, O.
Osborn Paper Co., pads & tablets, Marion, Ind.
Osborn, W. H., Co., canned goods, Honeoye Falls, N. Y.
Osborn, W. W., & Son, contrs., Mariners Harbor, N. Y.
Osborne & Co., C. S., Jersey St., Harrison, N. J.
Osborne & Co., C. S., Harrison St., Newark, N. J.
Osborne & Co., W., Lakeville, Mass.
Osborne & Flinkers, sash, door & blind, 10217 Berea rd. N. W., Cleveland, Ohio.
Osborne & Marsellis Co., contractors, Montclair, N. J.
Osborne & Sexton Machinery Co., 4th & Russell, Columbus, Ohio.
Osborne & Stephenson Mfg. Co. (See Newton Mfg. Co., successors).
Osborne Co., 759 Summer Ave., Newark, N. J.
Osborne, C. C., Lumber Co., Parksville, S. C.
Osborne, C. P., Co., leather, Peabody, Mass.

OSBORNE, C. S., & CO., harness makers' tools, presses, etc., Box 183, Newark, N. J.
Osborne Co., advtg. nov. & spec., 759 Summer av., Newark, N. J.
Osborne, Geo. H., brass castings, 34 Rockwell, New Britain, Conn.
Osborne, H. A., & Son, contrs., Danville, Va.
Osborne Paper Co., Marion, Ind.
Osborne, Raymond G., chemists, Marsh-Strong Bldg., Los Angeles, Calif.
Osborne, W., & Co., tacks, Lakeville, Mass.
Oscawane Bldg. Co., 110 E. 42d, New York.
Osceola Cotton Oil Co., Osceola, Ark.
Osceola Cypress Co., lbr. mfrs., Bridge End, Fla.
Osceola Fertilizer Co., Graham bldg., Jacksonville, Fla.
Osceola Silica & Fire Brick Co., Osceola Mills, Pa.
Oschwald Bros., contractors, 845 Broad, Newark, N. J.
Osgood & Blodgett Mfg. Co., interior finish mfrs., Duluth av. & E. 7th, St. Paul, Minn.
Osgood Co., steam shovels, dredging machy., etc., Marion, Ohio.
Osgood Co., J. H., 55-57 Batterymarch St., Boston, Mass.
Osgood Company, The, Marion, O.
Osgood Construction Co., Nashua, N. H.
Osgood, David J., Co., contractors, 814 W. Elizabeth, Detroit, Mich.
Osgood, J. L., mill supplies, 45 Pearl, Buffalo, N. Y.
Osgood Lens & Supply Co., 122 S. Michigan blvd., Chicago, Ill.
Osgood Limestone Co., Osgood, Ind.
Osgood Tool Co., J. L., 45 Pearl St., Buffalo, N. Y.
Oshkosh Bedding & Couch Co., Oshkosh, Wis.
Oshkosh Bottle Wrapper Co., packing matl., bottle wrappers, furniture pads, etc., Oshkosh, Wis.
Oshkosh Excelsior Mfg. Co., excelsior, wood wool, Oshkosh, Wis.
Oshkosh Manufacturing Co., Oshkosh, Wis. (Now The Leach Co.)
Oshkosh Mfg. Co., concrete mixers, hookaroons & wire reels, Oshkosh, Wis.
Oshkosh Motor Truck Mfg. Co., Oshkosh, Wis.
Oshkosh Overall Co., Oshkosh, Wis.
O'Shea, W. L. & G. H., contractors, 29 Broadway, New York.
Osiason, J., mattresses, 154 Broadway, Fall River, Mass.
Osinghaus, Otto, & Co., see American Brass & Bronze Works (successor).
Oshkosh Trunk Co., Oshkosh, Wis.
Oskamp, Nolting Co., silver novelties, 26 W. 7th, Cincinnati, Ohio.
Osmundson Spade Mfg. Co., Perry, Ia.
Osmundson, W. H., Perry, Ia.
O-So Ezy Prodts. Co., mops & polishers, 4501 S. Western av., Chicago, Ill.
Oso Shingle Co., Oso, Wash.
Ostdiek, H. B., common brick, Ottumwa, Ia.
Ostenberg, Chas., sash, door & blind mfrs., Okanogan, Wash.
Ostendorf, W. G., wood mantels, 3126 N. Broad, Phila., Pa.
Oster Bros., carriages, 1418 Frenchmen, New Orleans, La.

OSTER MFG. CO., THE, 2057 E. 61st Pl., Cleveland, O.
Distributors and Representatives:
ALA.—Anniston—Anniston Hardware Co.
Birmingham—Crane Co.
N. O. Nelson Mfg. Co.
Gadsden—Gadsen Hardware Co.
Mobile—Barnes-Creary Supply Co.
Crane Company.
McGowan & Lyons Hardware Co.
Montgomery—Alabama Machinery & Sup. Co.
Lum Machinery & Sup. Co.
Tuscaloosa—Allen & Jemison Co.
ARIZ.—Phoenix—Crane Co.
Place Hardware & Arms Co.
Tucson—Steinneldt Co.
ARK.—El Dorado—Eldorado Fdy. & Machine Co.
Little Rock—Central Supply Co.
Thos. Cox & Son Machine Co.
Crane Co.
Hollis & Co.
N. O. Nelson Mfg. Co.
Pine Bluff—Arkansas Mill Supply Co.
Fox Brothers Hardware Co.
Texarkana—Burrman, Pharr Hdwe. Co.
Hoffman Hardware Co.
CALIF.—Bakersfield—Pioneer Mercantile Co.
Coalinga—Bunting Iron Works.
Fresno—Crane Co.
Kutner Goldstein Co.
Long Beach—Crane Co.
Los Angeles—Berger & Carter Co.
Crane Company.
Harper & Reynolds Corp.
Holbrook, Merrill & Stetson.
Pacific Pipe & Supply Co.
Shaw-Palmer-Bakewell Co.
Shinn-Holtz-Lyon.
Smith-Booth-Usher.
Oakland—Crane Company.
Pasadena—Crane Co.
Pacific Pipe & Supply Co.
Sacrameto—Crane Co.
Santa Ana—Crane Co.
San Diego—Crane Co.
Machinery Supply Co.
San Francisco—Berger & Carter Co., 400 Mission, Douglas 3010.
Crane Co., 301 Brannan, Sutter 7480.
General Mach. & Sup. Co., 39 Stevenson, Sutter 6750.
Holbrook, Merrill & Stetson, 6th & Bluxome, Sutter 60.
Smith-Booth-Usher Co., 50 Fremont, Sutter 952.
Stockton—H. C. Shaw Company.
COL.—Denver—Hendrie & Bolthoff Mfg. Co.
M. A. Leights.
Mine & Smelter Supply Co.
M. J. O'Fallon Supply Co.
Pueblo—Holmes Hardware Company.
CONN.—Bridgeport—Crane Co.
J. D. Johnson Co., Inc.
Wellington Kincaid Co.
Hartford—Crane Co.
Thomas Trant & Bro.
H. D. Warner.
New Haven—W. A. McDonald.
Mersick & Company.
Perrigo, Inc.
New London—Eaton & Wilson.
Stamford—Cohn William.
DEL.—Wilmington—Delaware Elec. & Sup. Co.
Hudson Supply Co.
D. C.—Washington—Crane Co.
Cunningham Plbg. Sup. Co., Inc.
Rudolph & West Co.
Thos Sommersville Co.
W. T. Weaver & Sons.
FLA.—Jacksonville—Georgia Supply Co.
Holt Elec. Co.
S. B. Hubbard Co.
Malsby Machinery Co.
Savannah Sup. Co.
Leesburg—Leesburg Hdwe. & Supply Co.
Miami—Frank T. Budge Co.
Cameron & Barkley Co.
Monmouth Plbg. Sup. Co.
C. H. Perry.
Railey-Milan Hardware Co.
Lakeland—Mine & Mill Supply Co.
Orlando—Cain O'Berry Boiler Co.
St. Petersburg—Harrison Powell Co.
Marine Ways Machine Co.
Standard Supply Co.
Tampa—Fla. Auto & Gas Engine Co.
West Palm Beach—Palm Beach Mercantile Co.
Palm Beach Plumbing Co.
GA.—Albany—Albany Hdwe. & Mill Supply Co.
Standard Equipment Co.
Americus—J. W. Harris.
Atlanta—Beck & Gregg Hardware Co.
Crane Co.
Fulton Supply Co.
Walraven Co.
Augusta—Lombard Iron Works & Supply Co.
Gainesville—Palmour Hdwe. Co.
Macon—Corbin Supply Co.
A. S. Hatcher Co.
Rome—Battery Machinery Co.
Savannah—Crane Co.
Georgia Supply Co.
Haines, Jones & Cadbury Co.
J. H. McKenna.
Savannah Supply Co.
ILL.—Alton—H. K. Johnson Hdwe. Co.
Bloomington—Holder Hardware Co.
Keiser-Van Leer Co.
Bushnell—Bushnell Pump Co.
Cairo—Reed Hardware & Mfg. Co.
Vulcan Iron Works.
Chicago—Adkins, Young & Allen Co., 561 Washington Blvd., Main 4645.
W. D. Allen Mfg. Co.
Geo. B. Carpenter & Co., 436 N. Wells St., Franklin 6000.
H. Channon & Company, 149 Market St., Franklin 0380.
Chicago Engineer Sup. Co., 68 W. Lake St., Central 4976.
James B. Clow & Sons, 544 S. Franklin, Wabash 2789.
Crane Co., 836 S. Michigan Ave., Wabash 3120.
Crerar, Adams & Co., 3550 S. Morgan, Boulevard 0608.
Ellis Engineering Co., 621 W. Washington Blvd., Haymarket 2407.
Essley Machinery Co., E. L., 555 W. Washington Blvd., Main 0505.
Hennion & Hubbell.
Hibbard-Spencer-Bartlett & Co., 303 N. State, Central 7280.
Machinist Supply Co., 19 N. Jefferson, Main 0554.
Manning, Maxwell & Moore, 27 N. Jefferson, Main 3063.
Miller Plbg. & Htg. Sup. Co., 3220 S. Egden Ave., Crawford 3400.
Seehausen, Wehrs & Co.
Decatur—Field & Short Co.
Peoria—Couch & Heyle.
Kinsey & Mahler Co.
Quincy—Best Plbg. & Htg. Sup. Co., E. Tenk Hardware Co.
Rockford—Crane Co.
Rockford Brass Works, Inc.
IND.—Anderson—Kaufman Hardware Co.
Evansville—Laib Company.
Orr Iron Co.
Fort Wayne—Fort Wayne Oil & Supply Co.
National Mill Supply Co.
Indianapolis—E. C. Atkins Co.
Barrett Hardware Co.
Central Rubber & Supply Co.
Central Supply Co.
Crane Co.
Indianapolis Belting & Supply Co.
E. A. Kinsey Co.
Plumbers Supply Co.
Vonnegut Hardware Co.
Vonnegut Machinery Co.
Kendallville—Flint & Walling Mfg. Co.
LaFayette—B. F. Biggs Pump Co.
Logansport—Baker Specialty & Sup. Co.
Muncie—Geo. Keiser & Co.
Richmond—Jones Hardware Co.
Shelbyville—J. G. De Prez Co.
South Bend—Manufacturers Tool & Sup. Co.
South Bend Supply Co.
Terre Haute—Crane Co.
Industrial Supply Co.
Vincennes—Aug. E. Bolk & Co.
IA.—Cedar Rapids—Cedar Rapids Pump Co.
Chandler Pump Co.
Crane Company.
Orr Bros. Supply Co.
Davenport—Crane Co.
N. O. Nelson Mfg. Co.
Sieg Iron Co.
Des Moines—Beckman Bros.
Crane Co.
Globe Machinery & Supply Co.
Dubuque—A. Y. McDonald Mfg. Co.
Kretschner Mfg. Co.
Fort Dodge—Leighton Supply Co.
Keokuk—A. Weber Company.
Marshalltown—Fishor Supply Co.
Muscatine—Fuller-Hiller Hardware Co.
Oskaloosa—Ideal Mfg. & Sup. Co.
Ottumwa—Haw Hardware Co.
Sioux City—Crane Co.
Sioux City Iron Co.
Waterloo—Cutler Hardware Co.
Waterloo Mfg. Co.
KAN.—Hutchinson—Nelson Mfg. & Sup. Co.
Wilson Wholesale Plbg. Co.
Leavenworth—Great Western Mfg. Co.
Mulberry—Midwest Fdry. Machy. & Boiler Co.
Salina—Lee Hardware Co.
Topeka—W. Al. Thompson Hdwe. Co.
Topeka Steam Boiler Works.
Wichita—Crane Co.
U. S. Water & Steam Supply Co.
White Star Co.
Wichita Supply Co.
KY.—Lexington—Hay Hardware Co.
Louisville—Belknap Hdwe. & Sup. Co.
Laib Co.
E. D. Morton & Co.
Paducah—Petter Supply Co.
LA.—Monroe—Southern Hardware Co.
Weaks Supply Co.
New Orleans—E. C. Atkins Co.
A. Baldwin & Co., Ltd.
Crane Co.
Schwartz Mill Supply Co.
Standard Supply & Hdwe. Co.
Oliver H. Van Horn.
Shreveport—S. Bender Iron & Supply Co.
Buckelew Hdwe. Co.
Hoke Supply Co.

(Continued on following page)

OSTER MFG. CO.—Continued.
Pelican Well Tool & Supply Co.
ME.—Bangor—H. H. Bragg & Sons.
C. M. Conant Co.
R. B. Dunning & Co.
Portland—Wm. L. Blake & Co.
MD.—Baltimore—Baltimore Plumbing Sup. Co.
L. A. Benson Co., Inc.
C. M. & H. T. Plummer.
Crane Company
Hubbard & Eagleston.
Kemp Machinery Co.
Harry R. Mathaney.
C. A. Thumm.
Salisbury—L. W. Gumby Company.
MASS.—Boston—Braman, Dow & Company, 239 Causeway, Richmond 1482.
Chandler & Farquhar Co., 36 Federal, Main 7670.
Crane Co., 48 W. First, South Boston 1420.
Lynd-Farquhar Co., 419 Atlantic Ave., Congress 4737.
Manning, Maxwell & Moore, 99 Chancy, Beach 4824.
Samuels Supply Co., 50 Union, Richmond 1131.
Cambridge—Cambridge Plbg. & Sup. Co.
Fall River—John F. Johnston.
Lawrence—Treat Hardware Corp.
Lowell—Merrimack Valley Sup. Co.
Lynn—Louis Bourneuf Corp.
Lynn Hardware Company.
Pittsfield—Standard Steam Supply.
Salem—Zina Goodell Corp.
Springfield—Crane Co.
Oliver & Howland Co.
Worcester—Duncan & Goodell.
MICH.—Bay City—Jennison Hdwe. Co.
Cadillac—Drury & Kelly Hdwe. Co.
Detroit—Buhl Sons Co., Foot of Adair, Edgewood 4000.
Crane Co., 150 Randolph, Main 6545.
Harvey's Sons Mfg. Co., 210 1st St., Main 5186.
Motch & Merryweather Machy. Co., 2842 W. Grand Blvd., Empire 4976.
Chas. A. Strelinger Co., 149 E. Larned, Cadillac 7080.
J. T. Wing & Co., 129 Woodward, Cherry 4820.
Escanaba—Delta Hardware Co.
Flint—Geo. W. Hubbard Co.
Edwin Sterner Co.
Grand Rapids—Crane Co.
Jackson—Central Distributing Co.
Smith-Winchester Co.
Lansing—Van Dervoort Hardware Co.
Kalamazoo—Wheeler-Blaney Co.
Menominee—Northern Hdwe. & Sup. Co.
Saginaw—Morley Bros.
Saginaw Hdwe. Co.
MINN.—Duluth—Crane & Ordway Co.
Marshall-Wells Hdwe. Co.
Zaik-Josephs Co.
Hibbing—Crane Co.
Mankato—Crane Co.
Minneapolis—Central Supply Co.
Crane Co.
Enterprise Company.
Janney Semple Hill & Co.
A. Y. McDonald Mfg. Co.
Nagell Hardware Co.
Roberts-Hamilton Co.
Warner Hdwe. Co.
Williams Hdwe. Co.
St. Paul—Crane & Ordway Co.
Farwell, Ozmun, Kirk & Co.
Hackett-Gates Hurty Co.
Robinson, Cary & Sands Co.
S. S. Spencer Co.
Winona—Crane Co.
MISS.—Jackson—McCleland Hardware Co.
MO.—Carthage—Carter Hardware Co.
Hannibal—McNally Pump & Supply Co.
Joplin—Joplin Supply Co.
McNeil Machinery Co.
N. O. Nelson Mfg. Co.
Kansas City—Baker Mfg. Co., 1315-17 W. 8th St., Victor 8978.
H. J. Brunner, 1512 Grand Ave., Harrison 6688.
Crane Co., 1328 W. 12th St., Victor 9660.
Dempster Mill Mfg. Co., 1307 W. 10th St., Main 6322.
English Brothers Machy. Co.
Faeth Co., 1127 W. 8th St., Harrison 2285.
Goldberg Plbg. Supply Co., 800 E. 18th St., Grand 4810.
Great Western Mfg. Co., 1400 W. 12th St., Main 7360.
U. S. Water & Steam Supply Co., 1315 W. 12th St., Victor 9720.
St. Charles—Bruns Machine Co.
St. Joseph—W. B. Howe Supply Co.
St. Louis—Cahill, Swift Mfg. Co., 1112 Market, Main 2844.
Crane Co., 30 S. 16th St., Main 3280.
Handlan-Buck Mfg. Co., 212 N. 3rd St., Main 231.
Wm. C. Johnson & Sons Machy. Co., 1001 N. 6th St., Main 967.
Manning, Maxwell & Moore, Inc., Railway Exchange Bldg., Main 724.
N. O. Nelson Mfg. Co., 928 Chestnut St., Main 3620.
E. H. Sachleben & Co., 1517 Olive, Olive 6744.
Sligo Iron Store Co., 1301 N. 6th St., Tyler 3050.
MONT.—Great Falls—Crane & Ordway Co.
Murphy Maclay Hardware Co.
Helena—A. M. Holter Hdwe. Co.
Helena Hdwe. Co.
Missoula—Missoula Mercantile Co.
NEB.—Beatrice—Dempster Mill Mfg. Co.
Hastings—W. M. Dutton & Sons Co.
Lincoln—Capitol Plumbing Supply Co.
Western Supply Co.
Omaha—Baker Mfg. Co.
Briggs Pump Co.
Crane Company.
Dempster Mill Mfg. Co.
McDonald Mfg. Co.
Omaha Sanitary Supply Co.
United States Supply Co.
N. H.—Concord—Thompson & Hoague Co.
Keene—Pearson Bros.
Manchester—Geo. E. Trudel & Co.
John B. Varick.
Nashua—Hill Hardware & Paint Co.
Johnson, Barker & Devlin Co.
N. J.—Ashbury—Lewis Lumber Co.
Atlantic City—Atlantic Machinery & Sup. Co.
Crane Co.
Camden—Crane Co.
Elizabeth—Clark Hdwe. Co.
Kirby-Stack Hdwe Co.

OSTER MFG. CO.—Continued.
Jersey City—Warren Plumbing Supply Co.
Lakewood—Monmouth Plbg. & Sup. Co.
Newark—Bridgman Co.
Crane Co.
W. V. Egbert Co.
Plumbers Supply Co.
Passaic—H. W. Mills & Co.
Paterson—Geo. A. Meyers & Co.
Trenton—Fred Blackiord & Sons.
Standard Supply & Equipment Co.
N. Y.—Albany—Crane Co.
Sager-Spuck Supply Co.
Simmons Machine Co., Inc.
Amsterdam—John E. Larrabee Co.
Auburn—Smith & Pierson.
Binghamton—Crocker & Ogden Co.
Ellis W. Morse Co.
Bolivar—McEwen Bros.
Brooklyn—Crane Co.
Geo. P. Jacobs & Co.
J. Lipshitz.
Buffalo—Boals, McCarthy & Rogers, Inc., 50 Terrace, Seneca 2820.
Buffalo Mill Supply Co., 210 Main, Seneca 1561.
Crane Co., 201 Church St., Seneca 4525.
Curtis Supply Co., 57 Main St., Seneca 5590.
Manning, Maxwell & Moore, Inc., White Bldg., Seneca 1739.
Root, Neal & Co., 178 Main, Seneca 4710.
Schaefer Plbg. Supply Co., 146 Clinton St., Seneca 0986.
Walbridge & Co., 392 Main St., Seneca 5170.
Cortland—Hollister Hdwe. & Plbg. Co.
Jamestown—C. A. Lundquist & Co.
Mount Vernon—Morris Smith.
New York—Behrer & Co., 275 Pearl, Beekman 3420.
Beith & Reilly Co., Lincoln Ave. & 137th St., Mott Haven 2400.
Crane Co., 23 W. 44th St., Vanderbilt 5120.
Crane Co., 2000 Park St., Harlem 4390.
Crane Co., 490 Cherry St.
General Merchandise Co., 158 Webster, Spring 7242.
M. M. Halpern, Inc.
Hansen & Yorke Co., Inc., 88 Warren, Barclay 1188.
Manning, Maxwell & Moore, 100 E. 42nd St., Vanderbilt 6120.
Frank McBride, 79 E. 130th St., Harlem 5487.
Mine & Smelter Sup. Co., 42 Broadway, Broad 4334.
Moucha & Quelch, Inc., 4284 3rd Ave., Bingham 5219.
H. A. Rogers Co., 87 Walker, Franklin 3354.
Tucker Tool Co., Inc., 75 Murray, Barclay 5050.
Geo. W. Warner & Co., 342 Lafayette, Spring 2339.
Niagara Falls—Elderfield-Hartshorn Co.
Ogdensburg—Hackett Hardware Co.
Olean—Olean Hardware Co.
Poughkeepsie—C. D. Johnson Hdwe. Co.
Yonkers Plumbing Supply Co.
Rochester—Crane Co.
Samuel Sloane & Co.
Syracuse Supply Co.
Schenectady—Clark-Witbeck Co.
Syracuse—Burns Bros.
Crane Co.
Roberts Tool & Supply Co.
Syracuse Supply Co.
Troy—Troy Belting & Supply Co.
J. M. Warren Co.
Utica—H. J. Brandeles Corp.
Smyth-Despard.
Watertown—John Weekes & Son Co.
White Plains—Yonkers Plumbing Sup. Co.
Yonkers—Yonkers Plumbing Supply Co.
N. C.—Asheville—Asheville Supply & Fdry. Co.
Charlotte—American Hdwe. & Equip. Co.
Textile Mill Supply Co.
Whitman-Douglas Co.
Greensboro—Odell Mill Supply Co
New Bern—Mill Supply Co.
Raleigh—Briggs & Sons.
Dillon Supply Co.
Raleigh Iron Works Co.
Wilmington—Hyman Supply Co.
Winston-Salem—Crawford Mill Supply Co.
N. D.—Fargo—Crane & Ordway Co.
O.—Akron—Hardware & Supply Co.
Mill & Mine Supply Co.
Ashtabula—H. H. Louis Co.
Canton—Scioto Valley Supply Co.
Cincinnati—Johnson Electric Supply Co.
E. A. Kinsey Co.
Murdock Mfg. & Supply Co.
Queen City Supply Co.
C. E. Stetter.
J. R. Wood Supply Co.
Cleveland—Cleveland Tool & Supply Co.
Luetkemeyer Co.
Pattison Supply Co.
Strong-Carlisle & Hammond Co.
Geo. Worthington Co.
Columbus—Ascher Supply Co.
Columbus Mill & Mine Sup. Co.
Columbus Pump Supply Co.
Erner & Hopkins Co.
Plumbers & Factory Sup. Co.
Osborn & Sexton Machy. Co.
Ross-Willoughby Co.
Scioto Valley Supply Co.
Dayton—Dayton Supply Co.
W. H. Kiefaber Co.
Patterson Tool & Supply Co.
Lima—Crane Co.
Marietta—Frick & Lindsay.
Producers Supply & Tool Co.
Newark—Universal Supply Co.
New Philadelphia—Sharp Mfg. & Supply Co.
Piqua—I. N. Woodcox & Son.
Portsmouth—Standard Supply Co.
Springfield—Springfield Hdwe. Co.
Vulcan Hardware Co.
Steubenville—Steubenville Hdwe. & Sup. Co.
Toledo—Deland & Rogers Co.
Youngstown—Stambaugh-Thompson Co.
OKLA.—McAlester—Russell Hdwe. Co.
Muskogee—Crane Co.
Oklahoma City—Chamberlin Supply Co.
Crane Co.
Dempster Mill Mfg. Co.
Pettee & Co., W. J.
Okmulgee—McCracken Mitchell Hdwe. Co.
Tulsa—Crane Co.
ORE.—Portland—Crane Co.
Eccles & Smith Co.
J. J Kadderly.
Marshall-Wells Hdwe. Co.
Smith & Woodbury Co.

OSTER MFG. CO.—Continued.
PA.—Allentown—Lehigh Valley Supply Co.
C. Y. Schelly & Bros.
Altoona—Bradford Supply Co.
Erie—Erie Mfg. & Supply Co.
National Supply Co.
Standard Sanitary Mfg. Co.
United Hardware & Supply Co.
Harrisburg—Appleby Bros. & Whitaker Co.
Hazelton—Jere, Woodring & Co.
Wagner Bros. Hdwe Co.
Huntington—C. H. Miller Hdwe. Co.
Johnstown—Swank Hardware Co.
Kane—Kane Supply Co.
Lancaster—Fleck-Marshall Co.
Herr & Co.
Oil City—Oil Well Supply Co.
Philadelphia—Audolph Blitz, 2119 Columbia, Columbia 6156.
Crane Co., 245 Master, Kenningston 5450.
Paul J. Devitt, 1101 S. 2nd St., Lombard 2363.
Haines, Jones & Cadbury Co., 1136 Ridge, Poplar 0502.
Maddock & Co., 40 N. 6th St., Lombard 8980.
O'Brien Machinery Co., 113 N. 3rd St., Market 0727.
J. Jacob Shannon & Co., 1744 Market St., Spruce 1744.
Standard Sup. & Equip. Co., 17th & Lehigh, Columbia 6400.
Philipsburg—Philipsburg Hdwe. Co.
Pittsburgh—B. B. Specialty Co., 433 Liberty, Court 3783.
Brown & Zortman Machinery Co., 327 2nd Ave., Court 0890.
Continental Supply Co., Terminal Way, Hemlock 0317.
Crane Co., 40 24th St., Grant 7581.
Machinists Supply Co., 327 2nd Ave., Court 1646.
Manufacturers Distributing Co., 325 Penn Ave., Court 0507.
Oil Well Supply Co., 215 Water St., Court 3268.
Pittsburgh Gage & Supply Co., 30th & Liberty, Grant 6600.
Price Electric Co., 430 Penn Ave., Court 562.
Reineke-Wagner Pump & Sup. Co., 416 1st Ave., Court 0420.
Somers, Fitler & Todd Co., 327 Water, Court 4860.
Standard Sup. & Equip. Co., 1207 Liberty Ave., Smithfield 0800.
Pittston—Coursen Hdwe. Co.
Pottsville—Bright Hdwe. Co.
Swalm Hdwe.
Plymouth—Shawnee Supply Co.
Reading—Bard Hardware Co.
Crane Co.
Reading Fdry. & Sup. Co.
Scranton—Charles B. Scott Co.
Shamokin—Gertner Supply & Mfg. Co.
So. Brownville—Ward Supply Co., Inc.
Warren—Bradford Supply Co.
Pickett Hdwe. Co.
Wilkes-Barre—White Hardware Co.
Wyoming Valley Sup. & Mfg. Co.
Williamsport—Fleck-Marshall Co.
York—Careva Co., Inc.
Fulton, Mehring & Hauser Co.
P. A. & S. Small Co.
R. I.—Pawtucket—Thornley Supply Co.,
Wm. K. Toole Hdwe. Co.
Providence—Belcher & Loomis Hdwe. Co.
Rhode Island Sup. & Sprinkler Co.
S. C.—Columbia—Lorick & Lawrence, Inc.
Southern States Supply Corp.
Greenville—Carolina Supply Co.
Union—Union Hardware Co.
S. D.—Aberdeen—Crane & Ordway Co.
Sioux City—Dempster Mill Mfg. Co.
Plumbing Supply Co.
Watertown—Crane Co.
Crane & Ordway Co.
TENN.—Bristol—Interstate Hdwe. & Sup. Co.
Chattanooga—Crane Co.
James Supply Co.
Jackson—Southern Supply Co.
Johnson City—Summers Hdwe. Co.
Knoxville—Crane Co.
Tenn. Mine & Mill Sup. Co.
Memphis—E. C. Atkins & Co.
Crane Co.
N. O. Nelson Mfg. Co.
Reed & Duecker.
Nashville—Keith, Simons & Co.
Tex.—Beaumont—Norvell-Wilder Hdwe. Co.
Dallas—Briggs-Weaver Machinery Co.
Huey & Phillips Hdwe. Co.
Murray Co.
El Paso—Don. A. Carpenter Co.
Krakauer-Zork & Co.
M. J. O'Fallon Supply Co.
Fort Worth—Axtell Co.
Norvell-Wilder Hdwe. Co.
Galveston—Black Hardware Co.
Ben Blum & Co.
Houston—F. W. Heitmann Co.
N. O. Nelson Mfg. Co.
Marshall—E. B. Hayes Machy. Co.
New Braunfels—Louis Henne Co.
Orange—Sabine Supply Co.
Paris—W. F. Lulaney & Sons.
San Antonio—Alamo Iron Works.
Sherman—Hardwicke-Etter Hardware Co.
UTAH.—Ogden—Geo. A. Lowe Co.
Salt Lake City—Crane Co.
Mine & Smelter Sup. Co.
Mountain States Supply Co.
F. C. Richmond Machy. Co.
Salt Lake Hdwe. Co.
VT.—Barre—N. D. Phelps Co., Inc.
Rutland—Lincoln Iron Works.
VA.—Bristol—Interstate Hdwe. & Sup. Co.
Lynchburgh—Barker-Jennings Hdwe. Corp.
Norfolk—Taylor-Parker Co., Inc.
Tomlinson Co.
Petersburg—Appomattox Iron Wks. & Sup. Co.
Richmond—Tomlinson Co., Inc.
Virginia Machy. & Well Co.
Roanoke—Engleby & Bros. Co.
Nelson Hdwe. Co.
Noland Co., Inc.
Staunton—Worthington Hdwe. Co.
Suffolk—Thomas Hardware & Sup. Co.
WASH.—Bellingham—Northwest Hardware Co.
Everett—Agnew Hdwe. Co.
Seattle—Crane Co.
Marshall-Wells Hdwe. Co.
Northwestern Plbg. Sup. Co.
Perine Machinery Co.

(Continued on following page)

OSTER MFG. CO.—Continued.
Seattle Hdwe. Co.
Whiton Hardware Co.
Spokane—Crane Co.
Holley-Mason Hdwe. Co.
Marshall-Wells Hdwe. Co.
Tacoma—American Plbg. & Steam Co.
Crane Co.
Sterling Machinery Co.
W. VA.—Bluefield—Bluefield Hardware Co.
Superior Supply Co.
Charleston—Capital City Supply Co.
Clarksburg—Williams Hdwe. Co.
Huntington—Emmons-Hawkins Hdwe. Co.
Miller Supply Co.
Morgantown—Monongahela Supply Co.
Norfolk—Empire Machinery & Sup. Co.
Parkersburg—Oil Well Supply Co.
Parkersburg Supply Co.
Petersburg—Stockdell Myers Hdwe. Co., Inc.
Wheeling—Trimble & Lutz Sup. Co.
Williamson—Persinger Hdwe. & Furniture Co.
WIS.—Appleton—W. S. Patterson Co.
Schlafer Hardware Co.
Eau Claire—W. H. Hobbs Supply Co.
Green Bay—Murphy Supply Co.
Madison—Rundle-Spencer Mfg. Co.
Milwaukee—F. R. Dengel Mfg. Co.
Gross Hdwe. Co.
Milwaukee Plumbing & Heating Supply Co.
Western Iron Store Co.
Superior—Bingham Hdwe. Co.
Pease Hdwe. Co.

Foreign:
CAN.—Calgary—Ashdown Hdwe. Co.
Canadian-Fairbanks Morse Co.
Crane Co.
Wood Vallance & Adams, Ltd.
Edmonton—Crane Co.
Marshall-Wells Alberta Co., Ltd.
Revillon Wholesale, Ltd.
B. C.—Nelson—Wood, Vallance Hdwe. Co., Ltd.
New Westminister—Cunningham Hdwe. Co.
Vancouver—Canadian Fairbanks-Morse Co., Ltd.
Marshall-Wells Co., Ltd.
Victoria—Canadian Fairbanks-Morse Co., Ltd.
MAN.—Winnipeg—Ashdown Hardware Co.
Canadian-Fairbanks-Morse Co., Ltd.
Crane & Ordway Co.
General Supply Co.
Marshall-Wells Co., Ltd.
Miller-Morse Hdwe. Co., Ltd.
James Robertson Co., Ltd.
A. R. Williams Machinery Co.
Wood, Vallance, Ltd.
N. B.—Fredericton—James S. Neil & Sons, Ltd.
Moncton—Summer Co., Ltd.
St. Johns—Canadian Fairbanks-Morse Co., Ltd.
Crane Co.
T. McAvity & Sons.
Jas. Robertson Co. Ltd.
A. R. Williams Machy. Co.
N. S.—Halifax—Austin Bros. Ltd.
Crane Co.
A. & J. Grant & Co.
Wm. Stairs Son & Morrow, Ltd.
North Sydney—Thompson & Sutherland, Ltd.
ONT.—Cobalt—Northern Canada Sup. Co., Ltd.
Geo. Taylor Hdwe. Co., Ltd.
Fergus—Beatty Bros. Ltd.
Guelph—Bond Hdwe. Co., Ltd.
Hamilton—Alexander Hdwe. Co.
Crane Co.
Marks & Co.
Standard Sanitary Mfg. Co., Ltd.
Wood Alexander & James.
London—Benson & Wilcox Electric Co.
Crane Co.
Empire Brass Mfg. Co., Ltd.
Hobbs Hdwe. Co.
London Engine Supplies Co.
Wright & Co.
North Bay—Cochrane Hdwe. Co., Ltd.
Orillia—MacNab & Sons.
Ottawa—Canadian-Fairbanks-Morse Co., Ltd.
Crane Co.
Cuzner Hdwe. Co.
General Supply Co., Ltd.
McKinley & Northwood, Ltd.
Workman & Co., Ltd.
Pembroke—Dunlap & Co.
Toronto—Aikenhead Hdwe. Co., Ltd.
Canadian-Fairbanks-Morse Co., Ltd.
Crane Limited.
Empire Mfg. Co., Ltd.
General Supply Co. of Canada.
Hardware Co. of Canada.
James Morrison Brass Mfg. Co.
H. W. Petrie, Ltd.
Rice, Lewis & Son, Ltd.
Robertson Co., Ltd.
Standard Sanitary Mfg. Co.
A. R. Williams Machy. Co., Ltd.
Windsor—Chas. A. Strelinger Co.
J. T. Wing & Co., Ltd.
QUE. — Montreal — Canadian-Fairbanks-Morse Co., Ltd.
Crane Co.
General Supply Co. of Canada, Ltd.
Lewis Bros. Ltd.
Thomas Robertson Co., Ltd.
James Robertson Co., Ltd.
Williams & Wilson.
Quebec—Canadian-Fairbanks-Morse Co., Ltd.
Crane Co.
Mechanics Supply Co.
Herman Young & Co.
Sherbrooke-Crane Co.
Codere & Fils, Ltd.

Osterhage, Louis H., & Sutton, Bryant, architects, Vincennes, Ind.
Osterhoudt, P. C., & Co., contractors, Kingston, N. Y.
Osterhout Electric Co., 1013 Race St., Philadelphia, Pa.
Ostermoor & Co., (Mattresses), 116 Elizabeth St., New York.
Osterstock, J. S., & Co., hdwe., Easton, Pa.
Ostheimer, Wm. H., steam & hot water htg. contr., 632 11th, Brooklyn, N. Y.
Ostlund & Johnson, interior hardwood & office fixtures, 1901 Bryant, San Francisco, Calif.
Ostrander & Co., W. R., 371 Broadway, New York.
Ostrander Fire Brick Co., Troy, N. Y.
Ostrander Ry. & Timber Co., Ostrander, Wash.
Ostrander-Seymour Co., machinists, 7 S. Dearborn, Chicago, Ill.
O'Sullivan, Jas., & Son Co., contractors, Port Huron, Mich.
O'Sullivan Rubber Co., heels & soles, 131H Hudson, New York.
Oswald Bros., contrs., 58th & South Park, Los Angeles, Calif.
Oswayo Chemical Co., Bradford, Pa.

OSWEGO BOILER & ENGINE CO., 15 Park Row, New York.

Oswego Falls Pulp & Paper Co., Fulton, N. Y.
Oswego Milling Co., mixed feed, Oswego, Kan.
Oswego Preserving Co., canned goods, Oswego, N. Y.
Oswego River Paper Mills, Phoenix, N. Y.
Oswego Shade Cloth Co., Oswego, N. Y.

OSWEGO TOOL CO., Oswego, N. Y.

Otis Bed Mfg. Co., 170 Florida, Buffalo, N. Y.
Otis Boiler Co., Inc., automobile car heating & vaporizing boilers, 335 W. 1st, Oswego, N. Y.
Otis Co., (Denims, Hosiery, Etc.), Ware, Mass.
Otis Cement Construction Co., Hammond Bldg., Detroit, Mich.
Otis Elevator Co., 11th Ave., & 26th St., New York.
Otis Elevator Co., elevator bldrs., 1 Beach, San Francisco, Calif.
Otis Mfg. Co., lumber, Octavie & River, New Orleans, La.
Otis Steel Co., 3131 Lakeside Ave., Cleveland, O.
Otisco Canning Co., Otisco, Ind.
Otkon Mfg. Co., South Bend, Ind.
Otley Paint Mfg. Co., 1742 Winchester Ave., Chicago.
Otoe Food Products Co., canned goods, Nebraska City, Neb.
O'Toole Bros. Co., sheet metal work, 318 High, Clinton, Mass.
Otsego Furniture Co., filing cabinets & devices, Otsego, Mich.
Otselic Mfg. Co., poultry coops, Whitney Point, N. Y.
Ott, Benj., & Sons Co., machsts. & fndrs., La Crosse, Wis.
Ott Bros., crushed stone, Lancaster, N. Y.
Ott, Geo. F., 207-213 Buttonwood St., Philadelphia, Pa.
Ott Grinder Co., 10th & Roanoke, Indianapolis, Ind.
Ott-Heiskell Hardware Co., 86 19th St., Wheeling, W. Va.
Ott Matthew, & Co., contractors, 414 Warrington, Pittsburgh, Pa.
Ottawa Cushion Co., Ottawa, Ill.
Ottawa Fireproofing Co., fire clay, Ottawa, Ill.
Ottawa Furn. Co., Dept. H., Holland, Mich.
Ottawa Mfg. Co., oil engines, Ottawa, Kan.
Ottawa Silica Co., Ottawa, Ill.
Ottawa Tile Co., brick, Ottawa, Ohio.
Ottemiller, Wm. H., Co., screws, M. & P. R. R. & Pattison, York, Pa.
Otten Bros., Co., 7356 Richmond, Detroit, Mich.

OTTENHEIMER & CO., INC., 500-532 S. Throop St., Chicago.

Otter Mfg. Co., Inc., screws, machine products, 62 9th av., New York.
Otter River Board Co., Otter River, Mass.
Otter River Brick Co., Otter River, Mass.
Otterson Auto Educator Co., Springfield, Ohio.
Ottman, Millard, lumber mfr., Central Bridge, N. Y.
Otto & Scherf, machinists, Springfield, Ill.
Otto & Sons, Inc., Albert T., 101 Park Ave., New York.
Otto Chemical Co., Williamsport, Pa.
Otto Coking Co., Inc., coke plant construction, 469 5th av., New York.
Otto Engine Works, The, 33rd and Walnut Sts., Philadelphia, Pa.
Otto Metal Goods Corp., Wm. H., 401-417 St. Paul's Ave., Jersey City, N. J.
Otto, Theo. J., furring strips, 5540 E. 16th, Oakland, Calif.
Ottumwa Box Car Loader Co., Ottumwa, Ia.
Ottumwa Bridge Co., Ottumwa, Ia.
Ottumwa Iron Works, Ottumwa, Ia.
Ottumwa Lime & Cement Co., Ottumwa, Ia.
Ottumwa Mill & Construction Co., Ottumwa, Ia.
Ottumwa Stamp Wks., Ottumwa, Ia.
Ottumwa Supply & Construction Co., Ottumwa, Ia.
Otwell, W. C., & Co., brooms, Linn, Kans.
Ouerbagh, Cameron, hangers, 231 N. Wells, Chicago, Ill.
Ouray Hdwe. & Supply Co., mill & factory supps., Ouray, Colo.
Outagamie Paper Co., Kaukauna, Wis.
Outlook Co., windshield cleaners, 4281 Lexington, Cleveland, Ohio.
Oval & Koster, canners' labels, Indianapolis, Ind.
Oval Oak Mfg. Co., plow handles, Siler City, N. C.
Oval Wood Dish Corp., Tupper Lake, N. Y.

OVEN EQUIPMENT & MFG. CO., P. O. Box 1923, New Haven, Conn.

Ovenden, W. C., machinist, West Boylston, Mass.
Over, Ewald (Est. of), 921 Biddle St., Indianapolis, Ind.
Overbagh & Ayres Mfg. Co., 411 S. Clinton St., Chicago.
Overhead Kitchen Clothes Dryer Co., 471 W. 145th, New York.
Overholt Co., mitre boxes, saw guides, Galesburg, Ill.
Overholt Mach. Co., machinist, Seville, Ohio.
Overland Cement Plaster Co., Laramie, Wyo.
Overland Crane Co., Hammond, Ind.
Overland Mfg. Co., manicure files, 71 W. 23d, New York.
Overly, W. F., cornices, Greensburg, Pa.
Overman Cushion Tire Co., 250 W. 54th, New York.
Overpack, S. C., logging wheels & carts, Manistee, Mich.
Overstrom Manufacturing Co., 1215 1st Natl. Bank Bldg., San Francisco, Calif.
Overton, D. D., lbr., Greenville, N. C.
Overton Lumber Co., McMillin, Wash.
Overturf, C. W., concrete machy., Dumont, Ia.
Oviatt, D. C., & Co., machy. dlrs., 1106 St. Clair av., Cleveland, Ohio.
Owatonna Canning Co., Owatonna, Minn.
Owatonna Fanning Mill Co., Owatonna, Minn.
Owatonna Mfg. Co., agricultural implements, Owatonna, Minn.
Owego Bridge Corp., North Ave., Owego, N. Y.
Owen & Payson, Interstate Bldg., Kansas City, Mo.
Owen-Arnold Co., caskets, etc., Allegan, Mich.
Owen Bros., carriages, Lima, Ohio.

OWEN BUCKET CO., THE, 448 Kirby Bldg., Cleveland, O.

Owen Canning Co., Owen, Wis.
Owen China Co., Minerva, O.
Owen-Dyneto Corp., motors, generators, etc., 301 Wolf, Syracuse, N. Y.
Owen, J. D. & E. G., lightning rods, Janesville, Wis.
Owen, John S., Lumber Co., Owen, Wis.
Owen Roofing Co., 915 Sante Fe Ave., Los Angeles, Calif.
Owen, T. G., machst., Newport, R. I.
Owens & Son Co., John D., Owens, O.
Owens & Traeger, 1100 Adams St., Hoboken, N. J.
Owens, A. H., & Bro., canned goods, Perryville, Md.
Owens Co., J. L., Fulton & S. E. Huron St., Minneapolis, Minn.
Owens Construction Co., Mobile, Ala.
Owens Bottle Co., The, Nicholas Bldg., Toledo, O.
Owens Floor & Wall Tile Co., J. B., Zanesville, O.
Owens, H. W., architect, Xenia, Ohio.
Owens, J. A., machinist, Belle Plaine, Kans.
Owens, John, & Co., packing box, Haverhill, Mass.
Owens, John D., & Son Co., lime mfrs., Owens, Ohio.
Owens Lumber Co., B. W., 2721 Lipscomb St., Fort Worth, Tex.
Owens-Parks Lumber Co., 2100 E. 38th, Los Angeles, Calif.
Owens Sons, Inc., (Slate) W., Granville, N. Y.
Owensboro Buggy Co., carriages, Owensboro, Ky.
Owensboro Canning Co., Owensboro, Ky.
Owensboro Ditcher & Grader Co., Inc., Owensboro, Ky.
Owensboro Forging Co., Owensboro, Ky.
Owensboro Planing Mill Co., lumber, Owensboro, Ky.
Owensboro Sewer Pipe Co., Owensboro, O.
Owensboro Wagon Co., Owensboro, Ky.
Owensboro Wheel Co., Owensboro, Ky.
Owl Creek Coal Co., Gebo, Wyo.
Owosso Boiler Works, Owosso, Mich.
Owosso Canning Co., Owosso, Mich.
Owosso Casket Co., Owosso, Mich.
Owosso Mfg. Co., Owosso, Mich.
Owosso Mfg. Co., screens, Benton, Ark.
Owosso Sugar Co., Owosso, Mich.
Owren Castings Co., brass, bronze & aluminum castings, Attleboro, Mass.

OX FIBRE BRUSH CO., General Office—522 Fifth Ave., New York.
Factory—Frederick, Md.
Pres.—J. K. Robinson, Jr., New York.
V. P.—J. G. Crawford, Saunderstown, R. I.
Sec.—Wm. A. Evans, New York.
Treas.—A. McEwen, New York.
Gen. Mgr.—F. M. Dertzbaugh, Frederick, Md.
Sales Mgr.—H. G. Homan, Chicago.
Supt.—A. W. Herbert, Frederick, Md.
Pur. Agt.—C. S. Price, Frederick, Md.
Sales Offices:
CAL.—San Francisco—461 Market St.
ILL.—Chicago—111 W. Washington St.
MD.—Baltimore—Home Bank Bldg.
MASS.—Boston—Chamber Commerce Bldg.
O.—Cincinnati—726 Union Central Bldg.
PA.—Philadelphia—303 Lafayette Bldg.

Oxford Buggy Co., Oxford, N. C.
Oxford Cotton Mills, Oxford, N. C.
Oxford Filing Supply Co., 386 Jefferson St., Brooklyn, N. Y.
Oxford Oil Co., Oxford, Ala.
Oxford Packing Works, fertilizer mfrs., Oxford, Pa.
Oxford Paper Co., 200 5th Ave., New York.
Oxidite Mfg. Co., casein, dry colors, Irish moss, paints & whiting, Arlington, Mass.
Oxman & Harrington, contrs., Baker, Ore.
Oxman & Son, contrs., Ironwood, Mich.

OXWELD ACETYLENE CO., 36th & Jasper Pl., Chicago; Thompson Ave. and Orton St., Long Island City, N. Y.; 1050 Mission St., San Francisco, Cal.
Sales Representatives in each of the following cities:
Atlanta, Ga.—138 Marietta St.
Bakersfield, Cal.—California Ave. & 1st St.
Baltimore, Md.—645 N. Eutaw St.
Binghamton, N. Y.—23 De Forest St.
Birmingham, Ala.—2128 First Ave.
Boston, Mass.—178 High St.
Brooklyn, N. Y.—775 St. Johns Pl.
Buffalo, N. Y.—884-86 Washington St.
Charlotte, N. C.—205 West 1st St.
Chicago—36th St. & Jasper Pl.
Cincinnati, O.—6 East Court St.
Cleveland, O.—414 Union Bldg.
Columbus, O.—1942 Summit St.
Delmar, N. Y.
Denver, Colo.—321 Symes Bldg.
Detroit, Mich.—338 John R. St.
El Paso, Tex.—309 Santa Fe St.
Grand Rapids, Mich.—Livingston Hotel.
Indianapolis, Ind.—2054 N. Meridian St.
Kansas City, Mo.—3727 College Ave.
Los Angeles, Cal.—1310 Santee St.
Memphis, Tenn.—354 S. Main St.
Milwaukee, Wis.—507 Matthews Bldg.
Minneapolis, Minn.—423 S. 5th St.
Newark, N. J.—646 Frelinghuysen Ave.
New Haven, Conn.—188 Willard St.
New Orleans, La.—609 Iberville St.
Omaha, Nebr.—155 N. 12th St.
Parkersburg, W. Va.—1344 Market St.
Philadelphia, Pa.—1615 Vine St.
Pittsburgh, Pa.—303-4 Bowman Bldg.
Portland, Ore.—163 East Water St.
St. Louis, Mo.—1522 Olive St.
Salt Lake City, Utah—113 West Second South St.
San Francisco, Cal.—1050 Mission St.
Seattle, Wash.—119 Jackson St.
Toledo, O.—625 Virginia Ave.
Tulsa, Okla.—305 E. 4th St.
Wilkes-Barre, Penn.—32 West South St.

Oxweld Railroad Service Co., The, 546 W. Jackson Blvd., Chicago.
Oxy-Acetylene Equipt. Co., welding apparatus, 830 Humboldt, Brooklyn, N. Y.
Oxygen Products Company, 2525 Liberty Ave., Pittsburgh, Pa.
Oxyozon Chemical Co., 44 Watts, New York.
Oyen Advtg. Sign System, La Crosse, Wis.
Oyster, L. A., machst. & fndr., Savanna, Ill.
Ozan Graysonia Lumber Co., Prescott, Ark.
Ozan Lumber Co., Arcade Bldg., St. Louis, Mo.
Ozan Lumber Co., Prescott, Ark.
Ozark Cooperage & Lbr. Co., 3820 Washington, St. Louis, Mo.
Ozark Elec. Co., egg testers, Aurora, Mo.
Ozark Land & Lumber Co., Winona, Mo.
Ozark Motor & Supply Co., Springfield, Mo.
Ozark White Lime Co., Fayetteville, Ark.
Ozone Lumber Co., Tallsheek, La.
Ozone Pure Airifier Co., 1455-7 W. Congress st., Chicago.
P-K Engineers, contrs. & expansion joints., 1724 Pine, St. Louis, Mo.
P. B. & H. Moulding Co., ornaments, Syracuse, N. Y.
P. R. Mfg. Co., elec. bells, push buttons, etc., Detroit, Mich.
P. R. Piston Ring Co., Eau Claire, Wis.
P. & H. Machine Shop, 312 S. San Pedro, Los Angeles, Cal.
P. & H. Supply Co., plumbers' supplies, Fort Wayne, Ind.
P. & L. Constr. Co., 299 B'way, New York.

P. & M. CO., THE. 641 Railway Exchange, Chicago.
Pres.—Fred A. Poor.
V. P.—Philip W. Moore, Fred A. Preston, Fred N. Baylies.
Boston, Mass.—Sherburne & Co.
Cincinnati, O.—J. C. Kirby.
Denver, Colo.—F. C. Webb.
Montreal, Can.—The P. & M. Co. (Ltd.)
New York—The P. & M. Co., F. N. Paylies.
Richmond, Va.—Cecil Stevens.
San Francisco, Cal.—R. D. Hawley.
St. Louis, Mo.—W. H. Reaves.
St. Paul, Minn.—G. A. MacPherson.
London, Eng.—The P. & M. Co. (England), Ltd.
Paris France—Cie des App. Pet M (France).

P. & R. Auto Specialty Mfg. Co., 1660 Eastern Parkway, Brooklyn, N. Y.
Paalman Furn. Co., Dept. H., Grand Rapids, Mich.
Paasche Air Brush Co., 1905 Diversey Parkway, Chicago.
Pabst & Co., 22d & Allegheny Sts., Philadelphia, Pa.
Pabst Brewing Co., 917 Chestnut, Milwaukee, Wis.
Paca Glass Co., homeopathic vials, 225 N. Frederich, Balto., Md.
Pace Bros., contractors, Engineers Bldg., Cleveland, O.
Pace Bros. & Sons, crockery, Roseville, Ohio.
Pace Lbr. Co., Jackson, Texas.
Pacent Electric Co., Inc., 22 Park Pl., New York.
Pacetti's E. C., Sons, cornices & skylights, Savannah, Ga.
Pacheo Contracting Co., **Tucson**, Ariz.
Pachoud Bros., contractors, 1034 Kenner, Cincinnati, O.

PACIFIC ABRASIVE SUPPLY CO., 318 Mission, San Francisco, Calif.

Pacific Advertising Corp., Monadnock Bldg., San Francisco, Calif.
Pacific Agency Corp., 519 California, San Francisco, Calif.
Pacific Aluminum Co., cooking utensils, Fresno, Calif.
Pacific American Fisheries Co., Anacortes, Wash.
Pacific-American Petroleum Co., 28th & Santa Fe av., Los Angeles, Calif.
Pacific Ammonia & Chemical Co., Seattle, Wash.
Pacific Ammonia Bottling Co., 300 Front, San Francisco, Calif.
Pacific Arms Corp., 948 Market, San Francisco, Calif.
Pacific Asbestos & Supply Co., 315 Front, Portland, Ore.
Pacific Auto Specialty Co., commutators, 320 Market, San Francisco, Calif.
Pacific Auto Spring Co., 1111 W. Pico, Los Angeles, Calif.
Pacific Bag Co., 869 Folsom, San Francisco, Calif.
Pacific Balloon Co., Blaine, Riverside, Calif.
Pacific Belting Co., 5220 20th av., N. W., Seattle, Wash.
Pacific Blow Pipe Co., 116 E. 11th N., Portland, Ore.
Pacific Blower & Heating Co., 224 5th St., San Francisco, Calif.
Pacific Boat Co., foot of Derby, Oakland, Calif.
Pacific Boiler & Welding Wks., 929 E. 11th, Tacoma, Wash.
Pacific Bone, Coal & Fertilizing Co., 519 California, San Francisco, Calif.
Pacific Box Co., packing mfrs., Hylebos Way, Tacoma, Wash.
Pacific Box Factory, Beach, nr. Mason, San Francisco, Calif.
Pacific Brass & Bronze Fdry., 528 Folsom, San Francisco, Calif.
Pacific Brass & Hardware Mfg. Co., 1646 N. Spring, Los Angeles, Calif.
Pacific Bridge Co., ft. of E. Salamon, Portland, Ore.
Pacific-Burt Co., Oakland, Cal.
Pacific Bldrs.' Supply Co., 331 E. 4th, Los Angeles, Cal.
Pacific Bldg. Materials Co., 335 E. Main, Portland, Ore.
Pacific Butchers' Supply Co., refrigerators, 211 4th, San Francisco, Calif.
Pacific By-Products Co., charcoal, Sunol & San Salvadore, San Jose, Calif.
Pacific Car & Equipment Co., South San Francisco, Cal.

PACIFIC CAR & FOUNDRY CO., 214 Alaska Bldg., Seattle, Wash.
Chrm. of Bd.—William Pigott.
Pres.—John Twohy.
V. P.—O. D. Colvin.
V. P. & Gen. Mgr.—H. N. Curd.
Sec. & Treas.—W. S. Bassage.
Sales Mgr.—F. W. Chriswell.
Ass't Sales Mgr.—E. T. Fehnel.
Portland, Ore.—Multnomah Hotel Bldg., F. T. Falco, Glen Pierce.
San Francisco, Cal.—Sharon Bldg., A. M. McKillop.
Vancouver, B. C.—Bank of Nova Scotia Bldg., D. S. Updegraff.
Plants:
Portland, Ore.
Renton, Wash.

Pacific Carbon & Ribbon Co., 1461 Harrison, San Francisco, Calif.
Pacific Carbonic Gas Co., ft. 6th av., Oakland, Calif.
Pacific Casket Co., 715 S. Johnson, Los Angeles, Calif.
Pacific Chemical Co., 1421 N. Main, Los Angeles, Calif.
Pacific Chemical Laboratories, 417 Montgomery, San Francisco, Calif.
Pacific Cigar Box Co., 130 4th, Oakland, Calif.
Pacific Cigar Box Mfg. Co., 220 E. 32nd, Los Angeles, Calif.
Pacific Clay Deposit, kaolin, Balboa Bldg., San Francisco, Calif.
Pacific Clay Products Co., American Bank Bldg., Los Angeles, Calif.
Pacific Closing Machine Co., canning machy., 324 San Fernando rd., Los Angeles, Calif.
Pacific Coast Beef & Provision Co., oils, Los Angeles, Calif.
Pacific Coast Boiler Works, tanks, etc., 235 Main, San Francisco, Calif.
Pacific Coast Borax Co., Oakland, Cal.
Pacific Coast Borax Co., 100 William St., New York.
Pacific Coast Brass Mfg. Co., cocks & valves, 721 E. Slauson av., Huntington Park, Los Angeles, Calif.
Pacific Coast Brush & Broom Co., 1608 15th av. W., Seattle, Wash.
Pacific Coast Canning Co., Oakland, Calif.
Pacific Coast Coal Co., L. C. Smith Bldg., Seattle, Wash.
Pacific Coast Concrete Co., 630 Van Nuys Bldg., Los Angeles, Calif.
Pacific Coast Condensed Milk Co., Berlin, Wis.
Pacific Coast Dispatch, tank cars leased, Philadelphia Bldg., San Francisco, Calif.
Pacific Coast Dredging & Reclamation Co., 112 Market, San Francisco, Calif.
Pacific Coast Electrical Supply Co., 509 E. 7th, Los Angeles, Calif.
Pacific Coast Engineering Co., L. C. Smith Bldg., Seattle, Wash.
Pacific Coast Envelope Co., 400 2nd, San Francisco, Calif.
Pacific Coast Forge Co., bolts, rivets, screws & spikes, 3800 Iowa, Seattle, Wash.
Pacific Coast Forge Works, 43 Gilbert, San Francisco, Calif.
Pacific Coast Glass Works, bottles, 7th & Irwin, San Francisco, Calif.
Pacific Coast Gypsum Co., 403 Perkins Bldg., Tacoma, Wash.
Pacific Coast Hanger Mfg. Co., 513 E. Pico, Los Angeles, Calif.
Pacific Coast Insect Exterminator Co., Pacific Bldg., San Francisco, Calif.
Pacific Coast Leather Products Co., see Pacific Coast Mat Co. (successor).
Pacific Coast Lumber Co., Lumber Exchange Bldg., Seattle, Wash.
Pacific Coast Machinery Co., second hand machy., 140 Howard, San Francisco, Calif.
Pacific Coast Mfg. Co., 1326 E. 6th, Los Angeles, Calif.
Pacific Coast Merchant, trade journal, 423 Sacto, San Francisco, Calif.
Pacific Coast Ornamental Iron Wks., machsts., 1316 S. Central av., Los Angeles, Cal.
Pacific Coast Pipe Co., 4519 14th St., N. W., Seattle, Wash.
Pacific Coast Pipe Co., Ltd., Vancouver, B. C.
Pacific Coast Planing Mill Co., sash, door & blind, 3310 S. Main, Los Angeles, Calif.
Pacific Coast Point Corp., 1111 11th, Oakland, Cal.
Pacific Coast Pole Co., Empire States Bldg., Spokane, Wash.
Pacific Coast Popper Co., 2712 W. Pico, Los Angeles, Calif.
Pacific Coast Pottery & Terra Cotta Co., San Jose, Calif.
Pacific Coast Rubber Co., packing, mill supplies, etc., 316 Mission, San Francisco, Calif.
Pacific Coast Sales Book Co., manifolds, 261 N. Spring, Los Angeles, Calif.
Pacific Coast Shipbuilding Co., 1st Natl. Bank Bldg., San Francisco, Cal.
Pacific Coast Soda Fountain Factory, 1630 W. Washington, Los Angeles, Cal.
Pacific Coast Stamp Wks., 912 3d av., Seattle, Wash.
Pacific Coast Steel Co., Rialto Bldg., San Francisco, Calif.
Pacific Coast Supply Co., machy. dlrs., 335H Sacramento, San Francisco, Calif.
Pacific Coast Syrup Co., canned goods, San Francisco, Calif.
Pacific Coast Tag Co., 45 Dore, San Francisco, Calif.
Pacific Coast Talc Co., 2149 Bay, Los Angeles, Calif.
Pacific Coast Testing Laboratory, Seattle, Wash.
Pacific Coast Wheel Co., 1933 Maple av., Los Angeles, Calif.
Pacific Construction Co., 16 California, San Francisco, Calif.
Pacific Conveying Machy. Co., Lakeport, Calif.
Pacific Cooperage, 467 N. 20th, Portland, Ore.
Pacific Copper & Brass Wks., 1915 E. 7th St., Los Angeles, Calif.
Pacific Copper Works, 85 Minna., San Francisco, Calif.
Pacific Cotton Waste & Fibre Co., 554 Mission, San Francisco, Calif.
Pacific Creamery Co., canned goods, Tempe, Ariz.

PACIFIC CREOSOTING CO., Northern Life Bldg., Seattle, Wash.
Pres.—H. C. Henry.
Secy.—L. C. Henry.
Mgr.—H. E. Horrocks.
San Francisco, Cal.—Am. Nat. Bank Bldg., J. H. Baxter & Co.

Pacific Die & Tool Co., 1529 E. 12th, Oakland, Calif.
Pacific Diesel Engine Co., marine & stationary engines, H. Glassock, Oakland, Calif.
Pacific Distributing Corp., 85 2d, San Francisco, Calif.
Pacific Door & Mfg. Co., Seattle, Wash.
Pacific Door & Sash Co., 3216 S. Main, Los Angeles, Calif.
Pacific Earth Boring Machine Co., Dennison & King, Oakland, Calif.
Pacific Electric Clock Co., 86 3rd, San Francisco, Calif.
Pacific Electric Mfg. Co., 827 Folsom St., San Francisco, Calif.
Pacific Elec. Ry. Co., machsts. & fndrs., Los Angeles, Calif.
Pacific Elevator & Equipment Co., 1129 Howard, San Francisco, Calif.
Pacific Enameling & Plating Co., 17th & Los Angeles, Los Angeles, Calif.
Pacific Enameling Mfg. Co., signs, 880 60th, Oakland, Calif.
Pacific Engineer, 518 I. W. Hellman Bldg., Los Angeles, Calif.
Pacific Engineering Co., centrifugal pumps, 938 23d av., Oakland, Calif.
Pacific Engineering Laboratories Co., 2213 E. 38th, Los Angeles, Calif.
Pacific Export Lumber Co., Portland, Ore.
Pacific Factory Developer, publishers, Call Bldg., San Francisco, Calif.
Pacific Faucet Mfg. Co., 940 E. 60th, Los Angeles, Calif.
Pacific Felt Cutting & Sewing Co., gaskets, washers, etc., 26 Clementina, San Francisco, Calif.
Pacific Fence Constr. Co., 423 Market, San Francisco, Calif.

PACIFIC FIR CO., 764 Stuart Bldg., Seattle, Wash.

Pacific Fire Extinguisher Co., 440 Howard, San Francisco, Calif.
Pacific Fish Co., canned goods, 112 Market, San Francisco, Calif.
Pacific Fisheries & Packing Co., Aberdeen, Wash.
Pacific Fisherman, trade publication, 71 Columbia, Seattle, Wash.
Pacific Flush-Tank Co., 149 Broadway, New York.
Pacific Foundry Co., 18th & Treat, San Francisco, Cal.
Pacific Foundry Co., Inc., 1001 E. D., Tacoma, Wash.
Pacific Gas & Elec. Co., Sacramento, Calif.
Pacific Gas Heating Co., 439 Sutter, San Francisco, Calif.
Pacific Gas Radiator Co., 1740 W. Wash St., Los Angeles, Calif.
Pacific Gasteam Co., 571 Mission, San Francisco, Calif.
Pacific Gasoline Co., 411 S. Main, Los Angeles, Calif.
Pacific Gear & Tool Works, 1035 Folsom St., San Francisco, Calif.
Pacific Glass Co., Inc., 721 E. 61st, Los Angeles, Calif.
Pacific Graphite Works, 40th & Linden, Oakland, Calif.
Pacific Guano & Fertilizer Co., 215 Market, San Francisco, Calif.
Pacific Hardware Co., Everett, Wash.
Pacific Hardware Journal, 112 Market, San Francisco, Calif.
Pacific Heating Co., 321 13th, Oakland, Calif.
Pacific Hoist & Derrick Co., 818 1st av. S., Seattle, Wash.
Pacific Improvement Co., 620 Market St., San Francisco, Calif.
Pacific International Co., Oregon Bldg., Portland, Ore.
Pacific Iron & Steel Co., Inc., jobbing mfrs. of heavy sheet steel wk., 2637 Humboldt, Los Angeles, Calif.
Pacific Iron Works, 1155 67th, Oakland, Calif.
Pacific Iron Works, freight elevators, N. 802 Post, Spokane, Wash.
Pacific Iron Works, structural steel, E. 29th & Clarkamas, Portland, Ore.
Pacific Knitting Mills, gloves & mittens, Seattle, Wash., & Los Angeles, Calif.
Pacific Label Co., 156 2d, San Francisco, Calif.
Pacific Laundry Journal (Western Trade Press Corp.), 417 Montgomery, San Francisco, Calif.
Pacific Lighting Fixture Co., Inc., 113 W. 9th, Los Angeles, Calif.
Pacific Lime & Plaster Co., 58 Sutter St., San Francisco, Calif.
Pacific Limestone Products Co., fertilizer, etc., Santa Cruz, Calif.
Pacific Lock Joint Pipe Co., 508 Westlake St. N., Seattle, Wash.
Pacific Lubricating Co., 715 W. Spokane St., Seattle, Wash.
Pacific Luggage Factory, trunks, 2600 Taylor, San Francisco, Calif.
Pacific Lbr. & Shingle Co., Inc., White-Henry-Stuart Bldg., Seattle, Wash.
Pacific Lumber Agency, Aberdeen, Wash.
Pacific Lumber Co., Scotia, Cal.
Pacific Lumber Co., The, 311 California, San Francisco, Calif.
Pacific Lumber Co. of Illinois, 322 S. Michigan Ave., Chicago.
Pacific Mach. Shop, cement sewer pipe machy., 1155 Dock, Tacoma, Wash.
Pacific Machine Tool Co., drilling machy. & shears, 325 Commercial, Los Angeles, Calif.
Pacific Machinery & Tool Steel Co., 44 1st, Portland, Ore.
Pacific Manifolding Book Co., autographic registers, Stanford av., Emeryville, Calif.
Pacific Marine Review, publication, 576 Sacramento, San Francisco, Calif.
Pacific Mfg. & Elec. Co., cooking apparatus, heaters & thermostats, 206 N. Los Angeles, Los Angeles, Calif.
Pacific Mfg. Co., sashes, doors & blinds, Santa Clara, Calif.
Pacific Manure & Fertilizing Co., 429 Davis, San Francisco, Calif.
Pacific Marble Quarries Co., Citizens Natl. Bank Bldg., Los Angeles, Calif.
Pacific Materials Co., bldg. matls., 525 Market, San Francisco, Calif.
Pacific Metal Bearing Co., 129 Myrtle, San Francisco, Calif.
Pacific Metal Products Co., cornices, 2d & Madison, Oakland, Calif.
Pacific Metal Works, babbit metal, 81 N. Park, Portland, Ore.
Pacific Metal Works, 153 1st St., San Francisco, Cal.
Pacific Mill & Mine Supply Co., 1122 Santa Fe av., Los Angeles, Calif.
Pacific Mill & Mine Supply Co., 616 Mission, San Francisco, Calif.
Pacific Milling Co., cereal foods, 74 Langton, San Francisco, Calif.
Pacific Mills, The, Lawrence, Mass.
Pacific Motorboat, trade publication, 77 Columbia, Seattle, Wash.
Pacific Motor Bodies Co., 1410 Santa Fe av., Los Angeles, Calif.
Pacific Mutual Door Co., porch columns, Tacoma, Wash.
Pacific National Investment Co., carburetors, 1350 S. Bonnie Brae, Los Angeles, Calif.
Pacific National Lumber Co., Tacoma, Wash.
Pacific Net & Twine Co., 1213 Western St., Seattle, Wash.
Pacific Novelty Co., 41 E. 11th St., New York.
Pacific Ocean Trading Co., Arcade Bldg., Seattle, Wash.
Pacific Oil Lead Wks., 155 Townsend, San Francisco, Calif.
Pacific Oil Tool Co., 1928 E. 7th, Los Angeles, Calif.
Pacific Ornamental Iron Co., Seattle, Wash.
Pacific Pad Co., 157 7th, San Francisco, Calif.
Pacific Pea Packing Co., Eau Claire, Wis.
Pacific Peerless Weighing Machine Co., 812 W. 11th, Los Angeles, Calif.
Pacific Pennant & Advertising Co., 244 New High St., Los Angeles, Calif.
Pacific Phenols Corp., 785 Market, San Francisco, Calif.
Pacific Pipe & Supply Co., 1112 W. Ocean av., Long Beach, Calif.
Pacific Pipe & Supply Co., 1002 Sante Fe, Los Angeles, Calif
Pacific Pipe Co., 201 Howard, San Francisco, Calif.
Pacific Plaster Co., 1701 W. Slauson av., Los Angeles, Calif.
Pacific Platinum Works, Inc., 814 S. Spring, Los Angeles, Calif.
Pacific Porcelain Ware Co., Richmond, Cal.
Pacific Portland Cement Co., Pacific Bldg., San Francisco, Cal.
Pacific Ports, trade publications, Wilcox Bldg., Los Angeles, Calif.
Pacific Pulverizing Co., 4416 Clement, Oakland, Calif.
Pacific Pump & Supply Co., machy. dlrs. 420 Bryant, San Francisco, Calif.
Pacific Pumping Co., 350 Battery, San Francisco, Calif.
Pacific Quality Fibre Furniture Co., 2001 E. Slauson av., Los Angeles, Calif.
Pacific Ready-Cut Homes, Inc., 1330 S. Hill, Los Angeles, Calif.
Pacific Refrigerator Co., 431 Gough, San Francisco, Calif.
Pacific Rolled Metals Co., 715 Harrison, San Francisco, Calif.
Pacific Rolling Mill Co., 17th & Mississippi, San Francisco, Calif.
Pacific Rubber Stamp Co., 112 E. 4th, Los Angeles, Calif.
Pacific Sanitary Mfg. Co., water closets, plbrs. supp., 67 New Montgomery, San Francisco, Calif.
Pacific Separator Co., 170 Hooper, San Francisco, Calif.
Pacific Sewer Pipe Co., Los Angeles, Calif.
Pacific Shade Cloth Co., 1833 Peralta, Oakland, Calif.
Pacific Shingle & Box Co., packing boxes, San Jose, Calif.
Pacific Ship Yards & Ways Co., 24 California, San Francisco, Calif.
Pacific Silicate Co., Balfour Bldg., San Francisco, Calif.
Pacific Soap Co., 5800 Central, Los Angeles, Calif.

Pacific Spar Quarry, feldspar, Balboa Bldg., San Francisco, Calif.
Pacific Spruce Corp., N. W. Bank Bldg., Portland, Ore.
Pacific States Casket Co., 1167 Mission, San Francisco, Calif.
Pacific States Chemical Co., solvents & cleaners, 200 Green, San Francisco, Calif.
Pacific States Constr. Co., Call Bldg., San Francisco, Calif.
Pacific States Constr. Co., Colman Bldg., Seattle, Wash.
Pacific States Elec. Co., 575 Mission St., San Francisco, Calif.
Pacific States Electric Co., 326 S. Los Angeles St., Los Angeles, Calif.
Pacific States Electric Co., 570-1st St., Seattle, Wash.
Pacific States Lbr. Co., Tacoma, Wash.
Pacific States Mfg. Co., Inc., gaskets, washers, etc., 260 Natoma, San Francisco, Calif.
Pacific States Refineries, petroleum, 110 Sutter, San Francisco, Calif.
Pacific States Rubber Co., mill supplies, 51 1st, Portland, Ore.
Pacific Steel Building Co., 2422 E. 52d, Los Angeles, Calif.
Pacific Stoneware Co., Inc., 695 Sherlock av., Portland, Ore.
Pacific Stove & Stamping Co., Idaho & Duwanish av., Seattle, Wash.
Pacific Street & Road Builder, publication, Call Bldg., San Francisco, Calif.
Pacific Structural Iron Works, 370 10th, San Francisco, Calif.
Pacific Surety Company, 341 Montgomery, San Francisco, Calif.
Pacific Surgical Mfg. Co., Los Angeles, Calif.
Pacific Tank & Pipe Co., 320 Market, San Francisco, Calif., & 2 Rector, New York.

PACIFIC TANK & PIPE CO., 320 Market St., San Francisco, Cal.

Pacific Tank Gauge Co., 167 Jessie, San Francisco, Calif.
Pacific Tea Packing Co., Oakland, Calif.
Pacific Tent & Awning Co., Fresno, Calif.
Pacific Tent & Awning Co., Modesto, Calif.
Pacific Timber Co., lumber, Everett, Wash.
Pacific Tool & Supply Co., 110 Market, Los Angeles, Calif.; Portland, Ore., & Seattle, Wash.
Pacific Toy & Device Mfg. Co., 227 San Bruno av., San Francisco, Calif.
Pacific Trading Co., 331 Battery St., San Francisco, Cal.
Pacific Trunk & Bag Co., 533 Market St., San Francisco, Calif.
Pacific Tuna Canning Co., San Diego, Calif.
Pacific Vinegar & Pickle Works, canned, 110 Market, San Francisco, Calif.
Pacific Wagon & Carriage Co., Seattle, Wash.
Pacific Wassermann Laboratories, chemists, Pacific Bldg., San Francisco, Calif.
Pacific Wax Dye Co., 2886 16th, San Francisco, Calif.
Pacific Welding & Brazing, 503 Van Ness av., San Francisco, Calif.
Pacific Wire Rope Co., 1840 E. 15th St., Los Angeles, Calif.
Pacific Wirebound Box Co., 2665 Jones, San Francisco, Calif.
Pacific Wood & Coal Co., San Diego, Calif.
Package Machinery Co., 132 Birnie Ave., Springfield, Mass.
Package Sealing Corp., gummed tapes & machy., 188 Flatbush av., Brooklyn, N. Y.
Packages Pub. Co., Montgomery Bldg., Milwaukee, Wis.
Packard, A., & Co., paint brushes, 166 Commercial, Boston, Mass.
Packard Dredging Co., Bayonne, N. J.

PACKARD ELECTRIC CO., THE, Dana Ave., Warren, O.

Atlanta, Ga.—624-5 Healey Bldg.
Baltimore, Md.—1926 Edmondson Ave.
Birmingham, Ala.—Brown-Marx Bldg.
Buffalo, N. Y.—502 Marine Trust Co. Bldg.
Charlotte, N. C.—217 Latonia Bldg.
Chicago—420 Wrigley Bldg.
Cincinnati, O.—Union Trust Bldg.
Cleveland, O.—Engineers Bldg.
Denver, Colo.—Denham Bldg.
Des Moines, Ia.—Packard Bldg.
Detroit, Mich.—752 David Whitney Bldg.
Ft. Dodge, Ia.—Kirchner Apts.
Grand Rapids, Mich.—637 Michigan Trust Bldg.
Kansas City, Mo.—Mutual Bldg.
Los Angeles, Calif.—451 East Third St.
New York—30 Church St.
Philadelphia, Pa.—112 South 16th St.
Pittsburgh, Pa.—311 Rose St.
St. Louis, Mo.—Railway Exchange Bldg.
Salt Lake City, Utah—468 J. St.
San Francisco, Calif.—583 Howard Bldg.
Seattle, Wash.—Thompson Bldg.
Youngstown, O.—109 Wick Ave.

Packard, Geo. A., metallurgical engr., 50 Congress, Boston, Mass.
Packard Hdwe. Co., Greenville, Pa.
Packard, J. R., steam fitters' supplies, Greenville, Pa.
Packard, J. S., Dredging Co., Turks Head Bldg., Providence, R. I.
Packard, Jos. S., (Stencils), 79 Cortlandt St., New York.
Packard Lamp Works of G. E. Co., Warren, Ohio.
Packard Motor Car Co., 1580 E. Grand Blvd., Detroit, Mich.
Packard Piano Co., organs, Ft. Wayne, Ind.
Packard, R. G., Co., contractors, Bayonne, N. J.
Packer & Sons, horse clipping machines, La Grange, Ill.
Packer Auto Specialty Co., wrenches, 1420 S. Michigan, Chicago, Ill.
Packer, Jno. H., oil filters, Liberty, Mo.
Packer, Mfg. Co., The, (Soap), 120 W. 32nd St., New York.
Packer, Thos., store trucks, Union City, Conn.
Packer, W. H., fndrs., Saddle River, N. J.
Packers Architectural & Engng. Co., 431 S. Dearborn, Chicago, Ill.
Packett Motor Car Mfg. Co., 1207 Harmon pl., Minneapolis, Minn.
Packham Crimper Co., Mechanicsburg, O.
Packwood Northwood Glass Co., Sandwich, Mass.
Pacolet Mfg. Co., cotton sheetings, Spartanburg, S. C.
Paddock Bond & Co., contractors, 25 N. Dearborn, Chicago, Ill.
Paddock Cork Co., 1219 DeKalb Ave., Brooklyn, N. Y.
Paddock, J. H., Co., cork mfrs., 219 36th, Brooklyn, N. Y.
Paddock Lumber Co., The, O. H., Pana, Ill.
Paddock Tube Paper Co., Elbridge, N. Y.
Paden City Pottery Co., Paden City, W. Va.
Padgitt Bros. Co., harness, saddles, etc., Dallas, Tex.
Padgitt, Tom, Co., whol. hrwe., Waco, Tex.
Paducah Box & Basket Co., Paducah, Ky.
Paducah Brick & Tile Co., Paducah, Ky.
Paducah Cooperage Co., Paducah, Ky.
Paducah Dry Dock Co., Paducah, Ky.
Paducah Iron Co., mill & factory supplies, Paducah, Ky.
Paducah Lbr. & Mfg. Co., Paducah, Ky.
Paducah Pole & Timber Co., Paducah, Ky.
Paducah Pottery Co., Paducah, Ky.
Paepcke-Leicht Lumber Co., 111 W. Washington, Chicago, Ill.
Paetz, Chas. H., mattress, St. Joseph, Mo.
Paff, C., Co., 7 Dey, New York.
Pagano, Jerome, stone producers, wkrs. & dlrs., 2642 Park av., New York.
Page & Hill Co., Plymouth Bldg., Minneapolis, Minn.
Page Belting Co., Concord, N. H.
Page Belting Co., 539 Mission, San Francisco, Calif.
Page Boiler Co., W. H., 141 W. 36th St., New York.
Page Box Co., Geo. G., Cambridge, Mass.
Page Broom Co., Lawrence, Mass.
Page Bros. Buggy Co., carriages, Marshall, Mich.
Page, Carroll S., Hyde Park, Vt.

PAGE ENGINEERING CO., 844 Rush St., Chicago.

Page Engineering Co., engine bldrs., Claggett & Hull, Baltimore, Md.
Page, Frank W., machst. & fndr., Monticello, Ia.
Page, Fred, Contracting Co., 47 E. 17th, New York.
Page, Fred M., & Co., gummed paper, W. Lynn, Mass.
Page, Geo. G., Box Co., wooden & corrugated box makers, Cambridge, Mass.
Page, Jno. M., & Co., steamfitters' supplies, Naugatuck, Conn.
Page, John W., 844 Rush st., Chicago, Ill.
Page-Jones Co., 112 W. Adams St., Chicago.
Page Lbr. Co., Buckley & Eagle, Gorge, Wash.
Page Mfg. Co., cotton batting, Cohoes, N. Y.
Page Milk Co., canned, Ubly, Mich.
Page Milling Co., flour, Luray, Va.
Page, N. L., & Son Co., packing box mfrs., Auburn, Me.
Page Needle Co., tex. machy., supplies, Chicopee Falls, Mass.
Page-Newell & Co., steel importers, 93 Broad, Boston, Mass.
Page, Ralphe E., mill & facty. supp., 404 Farmington av., Hartford, Conn.

PAGE STEEL & WIRE COMPANY, Bridgeport, Conn.

Pres.—W. B. Lashar.
V. P.—W. T. Morris.
Secy.—William M. Wheeler.
Treas.—Wilmot F. Wheeler.
Gen. Mgr. of Sales—A. P. Van Schaick.
Asst. Gen. Mgr. of Sales—W. T. Kyle; C. A. McCune.
Chicago—208 S. La Salle St., E. J. Flood.
New York—1054 Grand Central Terminal Bldg., W. H. Bleecker, Jr.
Portland, Ore.—E. O. Johnstone.
San Francisco, Cal.—John K. Ball.

Page Steele & Flagg Co., factory supplies, 219 Water, New Haven, Conn.
Page, Thos., canned goods, Albion, N. Y.
Page, Thomas, Milling Co., flour, Topeka, Kans.
Page, W. C., Wirtz Co., masons' & bldrs.' matls., Ionia, Mich.

PAGE WALL BED CO., wall beds, 4200 Long Beach av., Los Angeles, Calif.

PAGE WATER-TUBE BOILER COMPANY, 812 Larrabee St., Chicago.

Pres. & Gen. Mgr.—Milton E. Page, Jr.
V. P. & Sunt.—John T. Johanson.
Secy.—Adolph T. Johnson.

Boston, Mass.	**Kansas City, Mo.**
Buffalo, N. Y.	**Memphis, Tenn.**
Cedar Rapids, Ia.	**Milwaukee, Wis.**
Detroit, Mich.	**New York.**
Donna, Tex.	**San Francisco, Calif.**
Houston, Tex.	

Page, Wm. H., Boiler Co., 58 W. 40th, New York.
Paggi, P., & Co., bags & bagging, 52 Washington, San Francisco, Calif.
Pagel Rotary Pump Mfg. Co., 920 18th av., N. E., Minneapolis, Minn.
Pagnod, A., & Sons, soap, 229 50th, Brooklyn, N. Y.
Pagosa Lumber Co., Chamber of Commerce Bldg., Denver, Colo.
Pague Mfg. Co., tin pails, 29th & Southwest blvd., Kansas City, Mo.
Pahl, E. F., & Co., children's carriages, 1032 3d, Milwaukee, Wis.
Pahlow Reed & Willow Mfg. Co., furniture, 132 W. 27th, New York.

PAIGE & JONES CHEMICAL CO., 80 Marble St., Hammond, Ind.

District Offices:
CALIF.—Los Angeles—209 Grant Bldg.
San Francisco—700 2nd St.
COLO.—Denver—928 S. Williams St.
ILL.—Chicago—417 S. Dearborn St.
IA.—Des Moines—507 Youngerman Bldg.
LA.—New Orleans—121 Decatur St.
MD.—Baltimore—43 S. Gay St.
MASS.—Boston—33 Central Wharf.
MICH.—Detroit—446 Book Bldg.
MO.—St. Louis—702 N. Third St.
N. Y.—New York—248 Fulton St.
PA.—Philadelphia—209 S. Front St.
Pittsburgh—506 Bakewell Bldg.

Paige, C. F., & Co., mill & facty. supplies, masons' & bldrs.' matls., Athol, Mass.
Paige-Detroit Motor Car Co., 248 Fulton St., Detroit Mich.
Paige, Frank E. & Co., felt mills, 68 Essex, Boston, Mass.
Paige, Morton, cradles & rope reels, Antrim, N. H.
Paige Sign Co., 101 Commercial, Worcester, Mass.
Pain & Young, landscape architects, Tampa, Fla.
Paine & Nixon Co., glass & paint jobbers, Duluth, Minn.
Paine, A., & Son, contractors, Oswego, N. Y.
Paine, C. S., Co., mattress, Grand Rapids, Mich.
Paine, Co., plbrs. supplies, 144 2d, San Francisco, Calif.

PAINE CO., THE, 2947 Carroll av., Chicago.

Paine Company, The, 2950 Carroll Ave., Chicago.
Paine Furniture Co., 81 Arlington St., Boston, Mass.
Paine-Fishburn Granite Co., stone producers, Grand Island, Neb.
Paine-Ford Co., mill & facty. supplies, Ashtabula, Ohio.
Paine, H. A., machinery dealer, Houston, Tex.
Paine Lumber Co., Ltd., Oshkosh, Wis.
Paine, O. R., machst. & fndr., Blackwell, Okla.
Painesville Coal & Builders' Supply Co., Painesville, O.
Painesville Metallic Binding Co., Painesville, Ohio.
Paint, Glass & Bldrs.' Supply Co., Anniston, Ala.
Painter & Frankland, agricultural implements, Albion, Ill.
Painter, E. O., Fertilizer Co., Dyal & Upch Bldg., Jacksonville, Fla.
Painter, Joel T., Co., paint mfrs., McKeesport, Pa.
Painter, Jos., & Sons, machsts. & fndrs., Myerstown, Pa.
Painter Tramway Co., 75 Fremont, San Francisco, Calif.
Painters' Magazine, trade publication, 100 William, New York.
Pairpoint Corporation, Prospect Ave., New Bedford, Mass.
Paisley, Wm. C., Roofing Co., cornices & skylights, Ottawa, Ill.
Paiste Co., H. T., 32d and Arch Sts., Philadelphia, Pa.
Pajaro Valley Mercantile Co., masons' & bldrs.' matls., Watsonville, Calif.
Paladini, A., 540 Clay St., San Francisco, Cal.
Palaora Bros., granite prod., Barre, Vt.
Paladino Contr. Co., 437 E. 120th, New York.
Palen's Sons, Henry W., Kingston, N. Y.
Palin & Son, cements, etc., 2101 Edison av., Tacoma, Wash.
Palisades Park Lumber & Supply Co., Palisades Park, N. J.
Pall Mall Elec. Co., safety razor mfrs., 51 W. 39th, New York.
Palm & Sons, lbr., Northport, Wash.
Palm Beach Mercantile Co., whol. hdwe., West Palm Beach, Fla.
Palm Bros. Decalcomania Co., 3727 Spencer Ave., Cincinnati, O.
Palm, E. E., organs, Mount Penn, Pa.
Palm Bros. Co., name plates & transfer ornaments, 20 W. Jackson blvd., Chicago, Ill.
Palm, Fechteler & Co., 67 5th Ave., New York.
Palm Iron & Bridge Works, Sacramento, Cal.
Palm, Louis F., Co., tire coolers, Defiance, O.
Palmberg & Mattson Co., contractors, Astoria, Ore.
Palmenberg's, J. R., Sons, window display fixtures, 63 W. 36th, New York.
Palmer & Clinton, Inc. Monadnock Bldg., San Francisco, Calif.
Palmer & Co., N., 571 Iranistan Ave., Bridgeport, Conn.
Palmer & Co., fruit evaporators, Noble, Ill.
Palmer & Dreher, contractors, Stroudsburg, Pa.
Palmer & Embury Mfg. Co., furn., 9 Gouverneur slip, New York.
Palmer & Hardin, mattresses, Louisville, Ky.
Palmer & McBryde, contractors, Hooker & Lent Bldg., San Francisco, Calif.
Palmer & Parker Co., 103 Medford, Boston, Mass.
Palmer & Petersen, contrs., 681 Market, San Francisco, Calif.
Palmer & Semans Lumber Co., Uniontown, Pa.
Palmer & Sinkhorn, flour mills, Stamping Ground, Ky.
Palmer & Sons, A. E., Owosso, Mich.
Palmer & Sons, L. P., Westford, Mass.
Palmer, Albert E., & Sons, cabinet makers, iron clamps, Owosso, Mich.

PALMER ASBESTOS & RUBBER CORP., THE, 226 S. Michigan Ave., Chicago.

Pres.—L. B. Palmer-Ball.
Factory—2741 Clybourn Ave.

Palmer, B., archl. iron, 513 W. 52d, New York.

PALMER-BEE COMPANY, Detroit, Mich.

Pres. & Gen. Mgr.—W. E. Bee, M. E.
V. P. & Chief Engr.—J. E. McBride, M. E.
Sec.—H. W. Maxwell.
Treas.—Geo. A. Bee.

Palmer Bros., stone producers, Connellsville, Pa.
Palmer Bros. Engines, Inc., Cos Cob, Conn.
Palmer, Clarence William, architect, Moffat Bldg., Detroit, Mich.
Palmer Co., I. E. Middleton, Conn.
Palmer Co., M. A., 385 Atlantic Ave., Boston, Mass.
Palmer Co., thermometers, 804 E. Court, Cincinnati, O.
Palmer, Edward, flour mills, Waynesboro, Va.
Palmer Elec. & Mfg. Co., 175 5th Ave., East Cambridge, Mass.
Palmer Equipt. Corpn., rubber machy., 2741 Clybourn av., Chicago, Ill.

PALMER, FREDERIC S., lumber, Monadnock Bldg., San Francisco, Calif.

Palmer Fdy. Mach. Co., Palmer, Mass.
Palmer Galvanic Bed Co., mattresses, 231 E. 9th, New York.
Palmer, Geo. J., cornices, West Chester, Pa.
Palmer, Geo., Lumber Co., La Grande, Ore.
Palmer, Hy. A., machsts., Westfield, Mass.
Palmer, Henry S., Supply Co., mill & facty. supplies, Beaver Falls, Pa.
Palmer-Hunton Lumber Co. (Yard), Boston, Mass.
Palmer, J. C., meat packer, Charleston, Tenn.
Palmer, J. J., turpentine, Champaign, Fla.
Palmer, Jarvis, cultivators & ladders, Northville, Mich.
Palmer, Joseph, auto. springs, 333 Rutherford av., Boston, Mass.
Palmer, L. M., lime mfrs., York, Pa.
Palmer, L. P., & Sons, granite producers, Graniteville, Mass.
Palmer Lime & Cement Co., 103 Park Ave., New York.
Palmer, Lowell M., Chemical Co., chalk, 78 Beekman, New York.
Palmer Lumber Co., Geo., La Grande, Ore.
Palmer-Price Co. (Varnish), 270 Chestnut St., Newark, N. J.
Palmer, Moore & Co., contractors, Logansport, Ind.
Palmer Press Brick Works, Palmer, Tex.
Palmer, Robt., & Son, Ship Bldg. & Marine Ry. Co., Noank, Conn.
Palmer Rubber Co., re-built, & re-tread tires, Poughkeepsie, N. Y.
Palmer, Simpson Co., airplane parts & supplies, Saranac Lake, N. Y.
Palmer, Solon, 374 Pearl St., New York.
Palmer, Spivery Construction Co., Augusta, Ga.
Palmer Supply Co., plbrs.' & steam fitters' supplies, 222 Westlake av. N., Seattle, Wash.
Palmer, Thos., contrs., Miller Bldg., Scranton, Pa.
Palmer, W. G., sash, door & blind, North Tonawanda, N. Y.
Palmer, W. H., Co., contractors, Youngstown, Ohio.
Palmer, Willis B., paper & pulp mills, Doe Run, Pa.
Palmetier & Abel Lumber Co., Waukesha, Wis.
Palmetto Cotton Mills, Palmetto, Ga.
Palmetto Guano Corp., fertz. mfrs., Columbia, S. C.
Palmetto Hdwe. & Supply Co., Spartanburg, S. C.
Palmetto Lumber Co., Houston, Tex.
Palmetto Oil Co., meal, Bishopville, S. C.
Palmetto Quarries, Dept. H, Columbia, S. C.
Palmour Hardware Co., Gainesville, Ga.

PALMOLIVE COMPANY, THE, Industrial Department, 360 N. Michigan Ave., Chicago.

Sales Offices:
CAL.—San Francisco—S. E. Wirth, Dist. Mgr., 524 Second St., Sutter 6056.
COLO.—Denver—D. E. Wickstrom, Dist. Mgr., 30 W. 13th Ave., Champa 2732.
GA.—Atlanta—D. I. Mullowney, Dist Mgr., 8 Courtland St., Walnut 5126.
ILL.—Chicago—J. V. Benton, Dist. Mgr., 190 N. State St., Randolph 6938.
LA.—New Orleans—J. G. Banner, Dist. Mgr., 202 Carondelet St.
ME.—Portland—E. N. Lingerbach, 452 20th St.
MD.—Baltimore—E. L. Little, Dist. Mgr., 101-105 Market Pl., Plaza 2335.
MASS.—Boston—T. J. Herald, Dist. Mgr., 133 Washington St., Richmond 3524.
Springfield—L. M. Prince, Dist. Mgr., 121 Chestnut St.
MICH.—Detroit—A. F. Danz, Dist. Mgr., 1932 Gratiot Ave., Cherry 2246.
MINN.—Minneapolis—W. C. Redlin, Dist. Mgr., 707 Third St., N., Hyland 5264.
MO.—Kansas City—Stanley B. Meyers, Dist. Mgr., 2105 Grand Ave., Harrison 5791.
St. Louis—Wm. King, Dist. Mgr., 806 Spruce St.
NEB.—Omaha—J. B. Pitzer, Dist. Mgr., 1502 Farnam St.
N. J.—Newark—J. Hillman, Dist. Mgr., Broad & Market Sts.
N. Y.—Brooklyn.
New York—J. S. Hewitt, Dist. Mgr., 366 Fifth Ave., Fitzroy 6373.
Syracuse—W. R. King, Dist. Mgr., Clark Music Bldg.
O.—Cincinnati—C. L. Dennstaedt, Dist. Mgr., 211 E. 4th St., Main 4779.
Cleveland—W. W. McCall, Jr., Dist. Mgr., 1238 E. 9th St., Main 270.
Columbus—R. C. Schultz, Dist. Mgr., 428-12 N. 3rd St.
OKLA.—Oklahoma City—K. B. Rector, Dist. Mgr., 15 N. Robinson St.
PA.—Philadelphia—Victor Benson, 238 Chestnut St., Lombard 4646.
Pittsburgh—F. H. Kieling, Dist. Mgr., 600-622 Second Ave., Court 1015.
TENN.—Memphis—J. B. Waters, Dist. Mgr., Beale & Main Sts.
TEX.—Dallas—J. J. Crimmins, Dist. Mgr., Western Indemnity Bldg.
WASH.—Seattle—A. Caro, Dist. Mgr., 911 Western Ave.
WIS.—Milwaukee—T. Small, Office Mgr.; J. C. Sellmer, Gen. Mgr.; M. Levy, Dist. Mgr., 42 Fourth St.

Foreign:
CAN.—Winnipeg, Man.—P. T. Thomas, Dist. Mgr., 416 Main St.,
Toronto, Ont.—A. D. Rettinger, Dist. Mgr., 64 Natalie St.
Montreal, Que.—H. L. Ricard, Dist. Mgr., 3 St. Nichols St.
ENG.—London—R. B. Foster, 21-23 Eagle St., High Holborn, London W. C. No. 1, England.
FRANCE—Paris—S. A. Palmolive, 4 Rue de La Paix, Paris, France.
AUS.—Sidney—The Palmolive Co. (Australasia) Ltd., Sidney N. S. W. Australia.
CHINA—Shanghai—W. T. Alexander, 12 Szechuen Rd.
CUBA—Havana—A. Wollstein, Paula 98.

PALNUT COMPANY, THE (Nut Locks), 30 Church St., New York.

Gen. Mgr.—J. Rowland Hotchkin.
Sales Mgr.—J. W. Sanders.

Palnut Corp., lock nuts, Passaic, N. J.
Palo Company, 153-7 W. 23rd St., New York.
Paltridge Metal Equip. Co., 341 N. Crawford Ave., Chicago.
Paltzer Lumber Co., 332 S. La Salle St., Chicago.

PAL-WELD MFG. CO., INC., 1207 Pine, Seattle, Wash.

Pamlico Chemical Co., fertilizer mfrs., Washington, N. C.
Pan-American Brick Co., steel structl. wks., New Castle, Ind.
Pan American Bridge Co., 115 Oak St., Newcastle, Ind
Pan-American Motors Corp., Decatur, Ill.
Pan-American Refinery, West Tulsa, Okla.
Pan Electric Mfg. Co., 735 S. 4th St., St. Louis, Mo.
Pan Motor Co., autos., St. Cloud, Minn.
Panama Lamp & Commercial Co., 595 Mission St., San Francisco, Calif.
Panama Lbr. & Shingle Co., Olympia, Wash.
Panama Oil & Grease Co., metal polish, belt dress'g, etc., 113 W. 51st, New York.
Pansy Horizontal Show Jar Co., 1102-32nd St., Milwaukee, Wis.
Panco Rubber Co., Chelsea, Mass.
Pancoast & Co., Henry B., 950 N. Front St., Philadelphia, Pa.
Pancoast & Paxson Co., Purcellville, Va.
Pancoast Shingle Co., lbr. mfrs., Bellingham, Wash.
Pandolfo Mfg. Co., St. Cloud, Minn.
Panenberg, F. G., & Co., brick, Mankato, Minn.

PANGBORN CORPORATION, Hagerstown, Md.

Pres.—Thomas W. Pangborn.
V. P.—John C. Pangborn.
Sec.—Victor F. Stine.
Treas.—Chas. S. Lane.
Chicago—Railway Exchange Bldg.
Cleveland, O.—1793 E. 68th St.
Detroit, Mich.—General Motors Bldg.
Philadelphia, Pa.—4047 N. Broad St.
Pittsburgh, Pa.—343 S. Rebecca St.
Rochester, N. Y.—161 Scottville Road.
Springfield, Mass.—53 Glenwood Circle, Longmeadow.

Panhandle Lumber Co., Spirit Lake, Idaho
Panhandle Warehouse Co., 520H Commerce, Wichita, Kan.

PANNIER BROS STAMP CO., 207-209 Sandusky St., Pittsburgh, Pa.

Pres.—O. M. Pannier.
V. P.—W. J. Pannier.
Secy. & Treas.—R. F. Hershey.

Panhard Motor Co., Grand Haven, Mich.
Pankow Bros., machsts. & fndrs., Sioux Falls, S. D.
Panning Bros., lumber, Hamler, Ohio.
Pan-o-Lite Grease & Oil Co., 298 Hancock, Long Island City, N. Y.
Pantagraph Printing & Stationery Co., tablets & pads, Bloomington, Ill.
Pantasote Company, The, 11 Broadway, New York.
Pantasote Leather Co., Passaic, N. J.
Pantechnical Mfg. Co., laboratory app., 3051 Adeline, Berkeley, Calif.
Panther Rubber Mfg. Co., rubber heels, Stoughton, Mass.
Panyard Machine & Mfg. Co., piston pins, 743 Beaubien, Detroit, Mich.
Panzer, H. J., & Co., arms & ammunition, 99 John, New York.
Panzieri Hogan Co., contrs., 90 State, Albany, N. Y.
Pape, A. H., 225 Natoma, San Francisco, Calif.
Pape Bros., Moulding Co., Plum & Canal, Cincinnati, O.
Pape, P. C., Central Bldg., Los Angeles, Calif.
Papec Machine Co., Shortsville, N. Y.
Paper Converting Corp., Niagara Falls, N. Y.
Paper Excelsior Co., 160 Holgate, Seattle, Wash.
Paper, Inc., trade publication, 1480 Broadway, New York.
Paper Makers Chemical Co., Easton, Pa.
Paper Mfrs. Co., Inc., 5th & Willow Sts., Philadelphia, Pa.
Paper Mills, trade publication, 154 Nassau, New York.
Paper Novelty Co., Green Bay, Wis.
Paper Package Co., boxes & cartons, 621 S. Delaware, Indianapolis Ind.
Paper Products Co., 2405 W. Franklin, Baltimore, Md.
Paper Trade Journal, 10 E. 39th, New York.
Paper Utilities Corporation, 37 E. 18th St., New York.
Pa Pro Co., milk bottle caps, Lowville, N. Y.
Papyrus Artificial Paper Mfg. Co., ropes—auto towing, Kenilworth, N. J.
Paradice, Frank H., Jr., architect, Pocatello, Idaho.
Paradise Coal Co., Springfield, Ill.
Paraffin Co.'s, Inc., paint & paper, 475 Brannon, San Francisco, Calif.
Paraffin Paint Co., San Francisco, Calif.
Paraffine Companies, Inc., paint & paper, 34 1st, San Francisco, Calif.
Paragon Cooperage Co., Fort Wayne, Ind.
Paragon Electric Co., Old Colony Bldg., Chicago.
Paragon Foundries, piano plates, Oregon, Ill.
Paragon Gear Works, Taunton, Mass.
Paragon Insulating Co., insulating paints, 5716 Euclid, Cleveland, Ohio.
Paragon Light Co., 141 Locust, Buffalo, N. Y.

PARAGON MACHINE COMPANY, THE, 501 Engineering Bldg., 77 South Ave., Rochester, N. Y.

Pres.—H. H. Sullivan.
V. P. & Gen. Mgr.—W. L. Sullivan.

Paragon Paper Pulley Co., 262 S. Water St., Milwaukee, Wis.
Paragon Plaster & Supply Co., 100 Green Ridge, Scranton, Pa.
Paragon Plaster Co., 300-302 W. Water St., Syracuse, N. Y.
Paragon Refining Co., 2935 Front St., Toledo, O.
Paragon Tool Co., 610 E. Pine St., Seattle, Wash.
Paragould Handle Mfg. Co., Paragould, Ark.
Paramount Brass & Mfg. Co., 2187 E. 2d St., Cleveland, O.
Paramount Brush & Broom Co., Inc., brushes & brooms, 100 Greenwich, New York.
Paramount Knitting Co. (Now Bear Brand Hosiery Co.)
Paramount Mfg. Co., Inc., screw mach. products, Westfield, N. J.
Paramount Specialty Tool Co., Waltham, Mass.
Paramount Supply Co., 1936 Pacific av., Tacoma, Wash.
Paramount Tool & Mfg. Co., 908 Thomas, Seattle, Wash.
Parcell, F. S., machy. dirs., Tampa, Fla.
Parchen Drug Co., Helena, Mont.
Pardee & Curtin Lbr. Co., Clarksburg, W. Va.
Pardee Bros. & Co., Inc., anthracite coal mine, Lattimer Mines, Pa.
Pardee, C. A., flour mills, Colesburg, Ky.
Pardee, Robert McKnight, masons' matls., 140 Peachtree, Atlanta, Ga.
Pardee Steel Corp., Perth Amboy, N. J.
Pardee Works, C., Perth Amboy, N. J.
Pardel Corp., 9th & Sansom Sts., Philadelphia, Pa.
Pardon Fish Hook Co., Owensboro, Ky.
Pardy, T. J., Construction Co., 1481 Seaview av., Bridgeport, Conn.
Parenti Motors Corp., Kensington & Northumberland Aves., Buffalo, N. Y.
Parfrey, Chas. A., tubs, boxes, Richland Center, Wis.
Parger, Oscar A., landscape architect, 742 Market, San Francisco Calif.
Paris Belt & Novelty Co. leather specialties, 231 N. Wells, Chicago, Ill.
Paris Fdry. & Mach. Wks., broom corn harvesters, Paris, Ill.
Paris Mfg. Co. (Tobogganş), South Paris, Me.
Paris Mattress & Awning Co., Paris, Texas.
Paris Milling Co., flour, Paris, Ky., Tex. & Tenn.
Paris Roller Mills Co., flour, Paris, Idaho.
Paris Saddlery Co., see Dulaney, W. F., & Son (successors).
Paris Stone Renovat'g Co., 5 Gt. Jones, New York.
Paris, W. Franklyn, decorative archt., 53 W. 39th, New York.
Parish & Bingham Corp., Cleveland, O. (now Midland Steel Products Co., Cleveland, O.)
Parish, Alford Fence & Machine Co., machsts. & fndrs., Knightstown, Ind.
Parish Bros., contractors, Youngstown, Ohio.
Parish Mfg. Co., automobile dashes, fenders, frames & hangers, Reading, Pa.
Parish Supply & Mfg. Co., tackle blocks, 2864 Quinn, Chicago, Ill.
Parisian Novelty Co., 155 W. 22nd St., Chicago.
Parizek, Frank, pearl buttons, West Wellington, Conn.
Park & McKay Co., 55-59 Bagley Ave., Detroit, Mich.
Park & Tucker, brick, Avery, Ohio.
Park & Williams, Inc., Real Estate Trust Bldg., Philadelphia, Pa.
Park Chemical Co., 3467 Lovett st., Detroit, Mich.
Park City Cornice Wks., Inc., 56 McKinley av., Bridgeport, Conn.
Park City Milling Co., flour, Bowling Green, Ky.
Park City Silverware Co., silver nov., 22 Webster, Bridgeport, Conn.
Park Drop Forge Co., 790 E. 79th St., Cleveland, O.
Park Falls Lumber Co., Park Falls, Wis.
Park Hardware Co., Warren, Ohio.
Park Iron Wks., 712 E. 136th, New York.
Park, Jas., & Co., contractors, Belle Plaine, Ia.
Park Lbr. Co., Dowling Park, Fla.
Park Mfg. Co., Dilworth Ave., Charlotte, N. C.
Park Mfg. Co., auto parts, 47H Lagrange, Worcester, Mass.
Park, Morrand & Co., Waycross, Ga.
Park Novelty Co. See Federal Container Co. (successors).
Park River Milling Co., flour, Park River, N. D.
Park, W. R., & Son, mill & facty. supplies, Taunton, Mass.
Park, Winton & True, Addison, N. Y.
Parke & Co., John Y., 7th and Cherry Sts., Philadelphia, Pa.
Parke, Davis & Co., 2951 Atwater St., Detroit, Mich.
Parker & Banfield, contrs., 64 E. 3rd N., Portland, Ore.
Parker & Granville, muslin & advtg. signs, Ithaca, N. Y.
Parker & Hafner, Williamsport, Pa.
Parker & Harper Mfg. Co., 18 Grafton St., Worcester, Mass.
Parker & Johnson, Logansport, Ind.
Parker & Page, E. Cambridge, Mass.
Parker & Son, J. H., Parkersburg, W. Va.
Parker & Son, T. T., Airlie, Ore.
Parker & Son Co., Joseph, New Haven, Conn.
Parker & Stearns, lbr., Johnson, Vt.
Parker & Topping Co., machinists, Brainerd, Minn.
Parker, A. A., Waterford, N. Y.
Parker, Alexes, Inc., 55 Market, Poughkeepsie, N. Y.
Parker Appliance Co., 2420 Superior Viaduct, Cleveland, O.
Parker Arbor Co., Ann Arbor, Mich.
Parker, Bateman & Chase (civil engineers), Clinton, Mass.
Parker Bell Lumber Co., Pilchuck, Wash.
Parker Brothers, Meriden, Conn.
Parker Bros., cornices & skylights, Lyons, Ia.
Parker Bros., toys, games & nov., 190 Bridge, Salem, Mass.
Parker Bros. Glass Mfg. Co., Bridgeton, N. J.
Parker, Byron, mill & facty. supplies, Hudson, N. Y.
See adv. index at end of book
Parker, C. L., patent attorneys, Magill Bldg., Washington, D. C.
Parker, C. W. (Mechl. Shooting Galleries, Carousels, etc.), Leavenworth, Kan.
Parker, Chas. H., Co., enamels, paints & varnishes, Valparaiso, Ind.
Parker, Chas. H., & Son, elec. lgt. plants, 1520 Wazee, Denver, Colo.
Parker Co., C. H., Cor. Poplar & Locust Sts., Valparaiso, Ind.

PARKER CO., THE CHARLES, Meriden, Conn.
New York—25 Murray St.

Parker Clock Co., Meriden, Conn.
Parker Cup & Specialty Wks., valve cups, Parkers Landing, Pa.
Parker, D. O., Tuscaloosa, Ala.
Parker, E. E. & P., lbr., Reed's Ferry, N. H.
Parker, E. F., flour mills, Elihu, Ky.
Parker, E. L., & Nimmo Co., 201 S. Chas, Baltimore, Md.
Parker, E. W., contractors, Tampa, Fla.
Parker, F. C., & Sons, leather, Woburn, Mass.
Parker, F. T., Co., press cloth, 700H College, Columbia, S. C.
Parker, H., architect, 1120 Locust, Philadelphia, Pa.
Parker, H. C., & Bro., lumber, Tenaha, Tex.
Parker-Hensel Engng. Co., see Brunswick Marine Const Co. (successors).
Parker, Ira, & Sons Co., paint, Oshkosh, Wis.
Parker Iron Works, Inc., 943-947 Third St., San Bernardino, Calif.
Parker, Jos., & Son Co., paper & pulp mill, Whalley av., New Haven, Conn.
Parker, K. E., Co., contrs., 519 California, San Francisco, Calif.
Parker-Kalon Co., 362 W. 13th St., New York.
Parker Lumber Co., Findlay, Ohio, & Rimini, S. C.
Parker Mach. & Fan Wks., Kansas City, Kan.
Parker Mach. Wks., automatic mailing box machy., 491 Mulberry, Riverside, Calif.
Parker Milling Co., flour, Parker's Landing, Pa.
Parker Motor Truck Co., 606-628 Linus St., Milwaukee, Wis.
Parker, N. D., & Sons, lumber mfrs., Mantua, Ohio.
Parker Pen Co., 90 Mill St., Janesville, Wis.
Parker, Preston & Co., Inc., Norwich, Conn.
Parker Plow Co., machinists. & fndrs., Richmond, Mich.
Parker Refining Co., soap, 1307 W. 11th, Cleveland, O.
Parker-Russell Mining & Mfg. Co., 3300 Mayanford Rd., St. Louis, Mo.
Parker Rust Proof Co., 2177 E. Milwaukee Ave., Detroit, Mich.
Parker, S. E., hoisting machy., 3828 N. Kilbourn Ave., Chicago.
Parker-Sawyer Co, Inc., The, Philadelphia, Pa.
Parker Sheet Metal Wks., The, 17 W. 42nd St., New York.
Parker Spool & Bobbin Co., bobbins, skewers & spools, Lewiston, Me.
Parker Stearns & Co., 288 Sheffield, Brooklyn, N. Y.
Parker-Street Castings Co., grey iron & semi-steel castings, P. O. Station D., Cleveland, Ohio.
Parker Supply Co., plbrs. supplies, Xenia, Ohio.
Parker, Surry, machinist, Pinetown, N. C.
Parker, T. J., aniline hydrochloride, 132 Front, New York.
Parker, Thos., Co., stone producers, wkrs. & dirs., 1259 Flushing av., Brooklyn, N. Y.
Parker, Thomas & Tucker Paper Co., 520 S. Canal St., Chicago.
Parker, V. C., & Son, contractors, Waycross, Ga.
Parker, W. T., Mfg. Co., patterns, Springfield, Ohio.
Parker-Washington Co., 2309 Penn Ave., Kansas City, Mo.
Parker, Webb & Co., meat pkrs., 20th & Mich. av., Detroit, Mich.
Parker Wheel Co., 3778 E. 78th, Cleveland, Ohio.
Parker Wire Goods Co., 149 Washington St., Worcester, Mass.
Parker-Young Co., lbr., Orleans, Vt.
Parker's Pattern Works Co., The, Springfield, O.
Parkersburg Chair Co., Depot and Last Sts., Parkersburg, W. Va.
Parkersburg Iron & Steel Co., Parkersburg, W. Va.
Parkesburg Iron Co., The, Parkesburg, Chester Co., Pa.
Parkersburg Machinery Co., Parkersburg, W. Va.
Parkersburg Mattress Co., Parkersburg, W. Va.
Parkersburg Mill Co., Parkersburg, W. Va.
Parkersburg Rig & Reel Co., The, Parkersburg, W. Va.
Parkes File Co., 117 Verona av., Newark, N. J.
Parkesburg Stamping & Mfg. Co., stamping & stamped goods, Parkesburg, Pa.
Parkhill Mfg. Co., Fitchburg, Mass.
Parkhurst, J. F., & Son Co., trunks, Bangor, Me.
Parkhurst, L. D., knives, Danielson, Conn.
Parkin Mfg. Co., receiving condensers, San Rafael, Calif.
Parkins, E. P., machinist, Dickey, Ga.
Parkins, W. B., flour mills, Maysville, Ark.
Parkinson & Dockendorff, architects, La Crosse, Wis.
Parkinson, Chas., Inc., contractor, 67 Greenwich, New York.
Parkinson Co., Ltd., 142 W. Lafayette St., Detroit, Mich.
Parkinson, John & Donald B., architects, Title Insurance Bldg., Los Angeles, Calif.
Parkinson Mfg. Co., Edw., 308 Dexter St., Providence, R. I.
Parks & Bros., canned goods, Kinsale, Va.
Parks & Lawton, lbr. & ties, Henry Bldg., Seattle, Wash.
Parks & Parks, shoe brushes, racks, tongs, etc., Troy, N. Y.

PARKS & WOOLSON MACHINE CO., Springfield, Vt.
Parks, Alexander, flour mills, Martinsburg, W. Va.
Parks Ball Bearing Machine Co., The, Dept. M., Cincinnati, O.
Parks, C. M., machst., West Manchester, Ohio.
Parks-Cramer Co., The, 970 Main St., Fitchburg, Mass.
Parks, E. S., Shellac Co., 291 High, Fall River, Mass.
Parks Engineering Co., 450 N. 10th St., Phila., Pa.
Parks, G. M., Co., piping engineers constr., 970 Main, Fitchburg, Mass., & Old South Bldg., Boston, Mass.
Parks, Geo., & Sons Co., contractors, 217 15th, Buffalo, N. Y.
Parks Lumber Co., Fred H., 926-7 Henry Bldg., Seattle, Wash.
Parks, M. H., & Co., barrel covers, Winchendon, Mass.
Parkston Canning Co., Parkston, S. D.
Parlette, H. Leslie, overhead trolleys, Media, Pa.
Parlin & Orendorff Co., Canton, Ill. See International Harvester Company of America, Ind.
Parlor Furn. Mfg. Co., Dept. H, Grand Rapids, Mich.
Parlor Furniture & Mattress Co., Fremont, Neb.
Parlor Pride Mfg. Co., stove polish, North Andover, Mass.
Parmele, Chas. L., machy. dlr., 50 Church, New York.
Parmele Pharmacal Co., 49 West, New York.
Parmenter, C. R., constr's, Saratoga Springs, N. Y.
Parmer & Sons, L. P., Graniteville, Mass.
Parmac Mfg. Co., 814 Winnebago St., Milwaukee, Wis
Parnigoni Bros., granite, Barre, Vt.
Paro Co., H. G., 1412-14 S. Michigan Ave., Mich.
Parr Electric Co., Inc., 77 Warren St., New York.
Parr Lumber Co., window screens, St. Johns, Mich.
Parr, Wm., & Son, aprons, Lowell, Mass.
Parrett Tractor Co., Chicago Heights, Ill.
Parris, C. S., archl. iron, 7 Province Ct., Boston, Mass.
Parrish, J. O., Lumber Co., Shelbyville, Ind.
Parrish, S. H., & Co., stained glass substitutes, 308 W. Erie, Chicago, Ill.
Parrish, W. S., flour mills, San Luis, Colo.
Parrott & Hahn, machsts., Olympia, Wash.
Parrott Heater Co., 406 W. Jefferson st., Detroit, Mich.
Parrott, Matt., & Sons Co., desk calendars, Waterloo, Ia.
Parrott, Richard, dock bldrs., Newburgh, N. Y.
Parrott Varnish Company, 900 Western Ave., Bridgeport, Conn.
Parrott, Wm., dock bldrs., Newburgh, N. Y.
Parry & Jones Co., brick & granite, Rome, N. Y., & Barre, Vt.
Parry, A. N., & Co., auto mountings, Amesbury, Mass.
Parry Brick Co., 77 Summer St., Boston, Mass.
Parry, Joseph, & Sons Co., contrs., Ogden, Utah.
Parry, Sam'l R., machst, Rochester, N. Y.
Parshelosky Bros., sash, door & blind mfrs., 131 Morgan, Brooklyn, N. Y.
Par-Sil Metal Co., brush holders, Lansdale, Pa.
Parson, J. S., mill & facty. supplies, Oswego, N. Y.
Parson Lumber Co., Rockford, Ill.
Parson Mfg. Co., pneu. conveyors, 535 Livingston, New York.
Parson Mfg. Co., (Now A. Lamy & Son), Elizabeth, N. J.
Parsons & Hamilton, soap, Santa Cruz, Calif.
Parsons & Lantry, contrs., Grand Central Terminal Bldg., New York.
Parsons & Petit, chemical brokers, 63 Beaver, New York.
Parsons Bros. Slate Co., roofing, Pen Argyl, Pa.
Parsons Co., The, Newton, Ia.
Parsons Co., C. H. (Bags & Burlap), 78 Water St., New York.
Parsons Construction Co., Inc., Binghamton, N. Y.
Parsons Electric Co., 506 Jersey St., Quincy, Ill.
Parsons-Green Display Fixture Co., 341-47 Market, San Francisco, Calif.
Parsons, J. H., Chemical Co., boiler & cleaning compounds, water purifiers, etc., 140 N. Dearborn, Chicago, Ill.
Parsons, Klapp, Brinckerhoff & Douglas, 84 Pine St., New York.
Parsons Lumber Co., Rockford, Ill.
Parsons Machinery Co., Marlboro, Mass.
Parsons Mfg. Co., boxes & box shooks, Chelsea, Mass.
Parsons Mfg. Co., hdwe. mfrs., 313 N. Whipple, Chicago, Ill.
Parsons Marine Steam Turbine Co., 2 Rector, New York.
Parsons, P., Shreveport, La.
Parsons Paper Co., Holyoke, Mass.
Parsons Pulp & Lumber Co., fibre & screening paper, Finance Bldg., Philadelphia, Pa.
Parsons, Samuel, & Co., landscape architects, 15 E. 40th, New York.
Parsons Specialty & Machine Wks., metal stamping & hardware specialties, Cortland, W. 5th, Philadelphia, Pa.
Parsons, T. G., sashes, doors & blinds, Kent, Ohio.
Parsons, W. A., & Co., cash boxes, Durham Genter, Conn.
Parsons Wagon Co., Earlville, N. Y.
Parten-Blomstrom Mfg. Co., machsts., 311 6th av., S., Minneapolis, Minn.
Partenheimer, Otto, metal spinning, 2 Howard, New York.
Partin, M., brooms, Mobile, Ala.
Partin, W. E., machst. & fndr., Dardanelle, Ark.
Partrick & Wilkins Co., 51 N. 7th St., Philadelphia, Pa.

PARTRIDGE, E. O., bench & emery grinders, etc., 2039-2049 W. Lake St., Chicago, Ill.

Partridge, Jere., stone producers, Narrowsburg, N. Y.
Partridge Lumber Co., T. M., Lumber Exchange Bldg., Minneapolis, Minn.
Partridge Tractor Co., Inc., Jacksonville, Fla.
Parvin & Co., steel struct. wk., Stephen Girard Bldg., Philadelphia, Pa.
Pasadena Canning Co., Pasadena, Calif.
Pasadena Gas Appliance Co., 901 E. Colorado, Pasadena, Calif.
Pasadena Hdwe. Co., who. hdwe., Pasadena, Calif.
Pasadena Machine Shop, 420 S. Raymond, Pasadena, Calif.
Pasadena Mfg. Co., Pasadena, Cal.
Pasadena Milling Co., flour, Pasadena, Calif.
Pasadena Piston Co., S. Raymond av., Pasadena, Calif.
Pasadena Screen Co., 745 S. Raymond av., Pasadena, Calif.
Pasadena Show Case & Fixture Co., 24 Mercantile pl., Pasadena, Calif.
Pasadena Woodcraft, 44 S. Raymond, Pasadena, Calif.
Paschall Tool Co., 1401 W. 7th, Long Beach, Calif.
Paschen Bros., Conway Bldg., Chicago.
Pasco Tool Co., mill & factory supp., Atlanta, Ga.
Paskus, J., & Sons, leather, 103 Gold, New York.
Pasold, John I., stone prod., Decatur, Ill.
Pasquale, B., & Co., badges & emblems, 115 Post San Francisco, Calif.
Pass & Seymour, Inc., Solvay, N. Y.
Passadumkeag Lbr. Co., Passadumkeag, Me.
Passaic Artistic Iron Wks., Passaic, N. J.
Passaic Bobbin Co., Inc., 179-184 E. Railway Ave., Paterson, N. J.
Passaic Cotton Mills, tire fabrics, cotton duck, etc., 120 Broadway, New York.
Passaic Knitting Wks., Garfield, N. J.
Passaic Metal Ware Co., Brook Ave., Passaic, N. J.
Passaic Plumbing Supply Co., Passaic, N. J.
Passaic Print Wks., bunting & flag mfrs., Passaic, N. J.
Passaic Rubber Co., The, 43 Brook Ave., Passaic, N. J
Passaic Structural Steel Co., Paterson, N. J. (Now Paterson Bridge Co.)
Passmore, H. T., lbr., Bath, Me.
Passoit, Hy., Co., potash & tallow, Saginaw, Mich.
Passow & Sons, Chas., 2109 S. Allport St., Chicago.
Passumpsic Fibre Leather Co., Passumpsic, Vt.
Pastene & Co., Inc., P., 152-4 Franklin St., New York.
Pasteur-Chamberland Filter Co. See Am. Mfg. Co. (successors).
Pastoret Construction Co., Duluth, Minn.
Patapsco Guano Co., fertilizer mfrs., Fidelity Bldg., Baltimore, Md.
Patapsco Guano Co., fertilizer mfrs., Fidelity Bldg., Baltimore, Md.
Patapsco Oil & Grease Co., 109-111 Cheapside, Baltimore, Md.
Patch, A. H., agricultural implements, Clarksville, Tenn.
Patch, Dan. Co., children's vehicles, Connersville, Ind.
Patch Mfg. Co., F. R., Rutland, Vt.
Patch, S. B., & Sons Co., see Futrell Coupler Co., Inc. (successors).
Patchett, J. P., canned goods, Federalsburg, Md.
Patchett, Tom, machst., Stoneham, Mass.
Patchin, C. P., & Co., masons' & bldrs.' matls., Middlefield, Ohio.
Patchogue Trunk Wks., Patchogue, N. Y.
Pate, D. S., Lumber Co., 11 S. La Salle, Chicago, Ill.
Pate, Z. V., fertilizer, Laurel Hill, N. C.
Patek Bros., 232 E. Water St., Milwaukee, Wis.
Patent Button Works Co., The, 41 Brown Ave., Waterbury, Conn.
Patent Cereals Co., Geneva, N. Y.
Patent Novelty Co., clothes line reels, Fulton, Ill.
Patent Pearl Wks., buttons, 24 E. 23d, New York.
Patent Specialty Supply Co., Shushan, N. Y.
Paterson, Boardman & Knapp, 10 Bridge, New York.
Paterson Bridge Co., Paterson, N. J.
Paterson, C. R., & Sons, carriages, Greenfield, Ohio.
Paterson Clay Products Co., brick, Clearfield, Pa.
Paterson Crushed Stone Co., Paterson, N. J.
Paterson Fdry. Co., Paterson, N. J.
Paterson, J. E., Lbr. Co., Inc., Mobile, Ala.
Paterson-Leitch Co., 936 E. 67th St., Cleveland, O.
Paterson Monumental Works, Bellefontaine, Ohio.
Paterson Parchment Paper Co., Passaic, N. J.
Paterson Piano Case Co., Paterson, N. J.
Paterson Reed & Harness Co., Paterson, N. J.
Paterson Supply Co., mill & facty. supplies, Paterson, N. J.
Paterson Vehicle Co., auto windshields, Paterson, N. J.
Paterson, W. A., Co., automobile bldrs., Flint, Mich.
Pathe Exchange, moving picture films, 25 W. 45th, New York.
Pathe Freres Phonograph Co., The, 18 E. 42nd St., New York.
Pathescope Company of America, Inc., The, 33 W. 42nd St., New York.
Patriarche & Bell, 351 West St., New York.
Patric Furnace Co., Springfield, O.
Patric, Milan W., machsts., Rochester, N. Y.
Patrick & Co., stamps & stencils, 560 Market, San Francisco, Calif.
Patrick & Shore, flour mills, Bodenham, Tenn.
Patrick, A. B., Co., leather, 1700 Fairfax av., San Francisco, Calif.
Patrick-Anderson Lumber Corp., N. W. Bank Bldg. Portland, Ore.
Patrick, F. A., & Co., woolen blankets, flannels, Duluth, Minn.
Patrick, R. S., black diamond carbons, Duluth, Minn.
Patrick, Robt., Plumbing Co., htg. contrs., 4352 Broadway, Chicago, Ill.
Patrizio & Hendrickson, concrete floors & waterproof cements, 280 Madison av., New York.
Pattee & Lett Co., Riverside, Cal.
Pattee Plow Co., Monmouth, Ill.
Patten & Davis Lumber Co., 521 E. 5th, Los Angeles, Calif.
Patten Mfg. Co., 3803 S. E. Ave., Chattanooga, Tenn.
Patten Paper Co., Ltd., Appleton, Wis.
Pattern & Machine Works, 14-16 Perry St., Buffalo, N. Y.

PATTERN LETTER CO., THE, 43 S. Main St., Providence, R. I.
Rep.—F. Rice.

Pattern Works, B. C., 51-55 W. State St., Battle Creek, Mich.
Patterson & Greenough, (Selling Agts., Woolens, Etc.), 45 E. 17th St., New York.
Patterson & Harral, wholesale hdwe., 88 White, New York.
Patterson & Shaw, contractors, 30 E. Robinson, Pittsburgh, Pa.
Patterson & Stirling, Erie, Pa.
Patterson-Andress Co., advtg., agencies, 1 Madison av., New York.
Patterson Bros. (Hdwe.), 27 Park Row, New York.
Patterson Bros., potteries, Wellsville, Ohio.
Patterson, Chester A., architect, 452 Lexington, New York.
Patterson Co., Ltd., C. T., New Orleans, La.
Patterson Co., W. A., Flint, Mich.
Patterson Co., W. W., 54 Water St., Pittsburgh, Pa.
Patterson Foundry & Machine Co., East Liverpool, Ohio.
Patterson, G. W. S., & Co., varnish, gums & wood oils, 15 E. 40th, New York.
Patterson, Geo. B., Coal & Supply Co., masons' & bldrs.' matls. Wellsville, Ohio.
Patterson Glass Mfg. Co., window, Cameron, W. Va.
Patterson, Gottfried & Hunter, 61 Broadway, New York.
Patterson, J. B., Co., ladders, 1212 19th, Oakland, Calif.
Patterson, Jas. E., & Co., masons' & bldrs.' matls., Wilkes-Barre, Pa.

PATTERSON-KELLEY CO., 804 Architects' Bldg., New York.

Patterson Lubricating Co., 11 Storer, Boston, Mass.
Patterson Lbr. Co., Rainier, Ore.
Patterson Mfg. Co., agricultural implements, Holly, Mich.
Patterson Mfg. Co., Indiana Ave. and A St., Philadelphia, Pa.
Patterson Mfg. Co., cotton sheeting, China Grove, N. C.
Patterson Monumental Wks., stone producers, Bellevue, O.
Patterson-Sargent Co., 1325 E. 38th St., Cleveland, O.
Patterson Screen Co., The, Towanda, Pa.
Patterson Sup. Co., W. S., Appleton, Wis.
Patterson, Thos. G. pack'g box mfrs., 637 W. 55th, New York.
Patterson Tool & Supply Co., 123 E. 3rd St., Dayton, O.
Patterson-Williams Mfg. Co., playground equipt., San Jose, Calif.
Pattillo Lumber Co., Atlanta, Ga.
Pattin Bros. Co., machinists, Marietta, Ohio.
Pattison & Calmes, Inc., 909 W. St., N. W., Washington, D. C.
Pattison & Co., J. L., 1635 W. Jackson Blvd., Chicago.
Pattison, Louis E., sash, door & blind, Webster, Mass.
Pattison Lumber Co., J. A., 824 Morgan St., Seattle, Wash.
Pattison Supply Co., W. M., 777 Rockwell Ave., Cleveland, O.
Pattison Oil Co., lubrg. oils, 116 E. Woodward, Detroit, Mich.
Patton & Co., Albany, N. Y.
Patton-Black Mfg. Co., mattresses, Jackson, Tenn.
Patton Clay Mfg. Co., Patton, Pa.
Patton Co., The R. J., (Ry. Signal Flags) 222 E. 4th St., Cincinnati, O.
Patton-MacGuyer Company, 31 Mathewson St., Providence, R. I.
Patton-Pitcairn Division, Pittsburgh Plate Glass Co., paint & varnish, 213 Lake, Milwaukee, Wis., & 965 Mission, San Francisco, Calif.
Patzer, Arthur J., elec. contr., Stockton, Calif.
Patzer's Electrical Works, 133 N. California, Stockton, Calif.
Patzig, August L., architectural photographers, 37 E. 28th, New York.
Paukin, John, Broom Co., Maumee, Ohio.
Paul & Co., J. C., 930 Roscoe St., Chicago.
Paul & Fulton, Inc., wire forms, 31 W. Kinzie, Chicago, Ill.
Paul & Henry Constr. Co., Barberton, Ohio.
Paul & Post, masons' & bldrs.' matls., Washington, Pa.
Paul & Washburn, 2033 Railway Exchange, St. Louis, Mo.
Paul, A. S., sash, door & blind, Cle Elum, Wash.
Paul Bros. Co., contractors, Citizens' Bldg., Cleveland, O.
Paul Casket Co., Cambridge City, Ind.
Paul, Edw. E., Co., contractors, 101 Park av., New York.
Paul, Frederick W., church & school furniture, 801 S. E. 8th, Minneapolis, Minn.
Paul, G. A., cornices & skylights, Pana, Ill.
Paul, J. C., & Co., metal polish, 930 Roscoe, Chicago.
Paul Tire & Rubber Co., Salisbury, N. C.
Paul, W. E., cornices & skylights, Portsmouth, N. H.
Paulding, John I., switches, receptacles, etc., Acushnet, New Bedford, Mass.
Paulding Lumber Co., Paulding, Ohio.
Pauli, Frank M., Co., contractors, 1074 Shipherd av., Detroit, Mich.
Pauli, Hermann, varnish gums, 76 Wall, New York.
Pauline, F. S., & Co., stone producers, Cannelton, Ind.
Pauline Mills, cotton damasks, Kings Mountain, N. C.
Pauline Oil & Fertilizer Co., cottonseed meal, Pauline, S. C.
Paulissen Mfg. Co., sash, door & blind, Kankakee, Ill.
Paulsen-Brooks Mfg. Co., picture frames & moldings, 766 E. 12th, Los Angeles, Calif.
Paulsen, Hans, brick, Rock Island, Ill.
Paulsen, Hy. F., contrs, Rock Island, Ill.
Paulson Machine Works, 300 N. 14th, Portland, Ore.
Paulson-McPike Mfg. Co., auto jacks & reflectors, 491 Eddy road, Cleveland, Ohio.
Paulus & Co., J. C., 2507 Potter St., Philadelphia, Pa.
Pauly & Ipsen, contractors, Springfield, Mo.
Pauly Bros., patterns, Springfield, Ohio.
Pauly Jail Building Co., 2215 DeKalb St., St. Louis, Mo.
Paumier, Emil, overalls, Wooster, O.
Paunack, Edw. F., stone contractor, Madison, Wis.
Pavania Oil Co., petroleum, Warren, Pa.
Pavyer Printing Mach. Co., Broadway Poplar, St. Louis, Mo.
Pawhuska Vitrified Brick & Tile Co., Pawhuska, Okla.

PAWLING & HARNISCHFEGER CO., 3845 National Ave., Milwaukee, Wis. (Now Harnischfeger Corp.)
Pres. & Treas.—H. Harnischfeger.
V. P. & Gen. Mgr.—A. G. Henricks.
V. P.—W. Harnischfeger.
Sec.—R. V. Schleinitz.

Atlanta, Ga.—212 Haas-Howell Bldg.
Chicago—1639 Monadnock Block.
Dallas, Tex.—Western Indemnity Bldg.
Detroit, Mich.—424 Book Bldg.
Kansas City, Mo.—Railway Exchange Bldg.
Los Angeles, Cal.—930 Central Bldg.
Memphis, Tenn.—267 Union Ave.
New York—50 Church St.
Philadelphia, Pa.—605 Stephen Girard Bldg.
Pittsburgh, Pa.—57 Fidelity Bldg.
Portland, Ore.—Yeon Bldg.
San Francisco, Cal.—32 Beale St.
Seattle, Wash.—L. C. Smith Bldg.

Representatives:
ARIZ.—Phoenix—H. C. Legg Co.
COLO.—Denver—Landes & Co.
CONN.—Hartford—The K. B. Noble Co.
FLA.—Jacksonville—M. D. Moody.
GA.—Atlanta—Yancy Bros.
KY.—Louisville—Thos. L. Barrett.
MICH.—Detroit—Michigan Equipment Co., 1401 David Whitney Bldg.
MINN.—Duluth—Wm. H. Ziegler Co.
Minneapolis—Wm. H. Ziegler Co.
MO.—Kansas City—223-4 Cole Bldg., Cedar 434.
St. Louis—Geo. F. Smith Co.
MONT.—Billings—Montana Good Roads Machy. Co.
NEBR.—Omaha—A. A. Fuchs Equipment Co.
N. Y.—Buffalo—H. W. Benkart, 401 Lafayette Blvd., Seneca 4955.
New York City—Ginsberg Penn Co., 50 Church St., Cortland 1736.
N. C.—Wilmington—C. W. Lacy.
O.—Cleveland—Beckwith Machy. Co.
OKLA.—Tulsa—Bunting Hdwe. Co.
PA.—Pittsburgh—Beckwith Machy. Co., 500 Arch, Cedar 3688.
TENN.—Memphis—A. C. Miller.
TEX.—Dallas—J. W. Bartholow & Co.
Houston—R. B. Everett & Co.
UTAH—Salt Lake City—Landes & Co.
VA.—Richmond—Tractor & Machy. Sales Co.
W. VA.—Charleston—Beckwith Machy. Co.

Pawson, J. E., & Co., contractors, Yonkers, N. Y.
Pawtucket Braided Line Co., Pawtucket, R. I.
Pawtucket Glazed Paper Co., Inc., Pawtucket, R. I.
Pawtucket Mfg. Co., 327 Pine St., Pawtucket, R. I.
Pawtucket Mordant Co., soluble oils, paste, etc., Pawtucket, R. I.
Pawtucket Sash & Blind Co., Pawtucket, R. I.
Pawtucket Screw Co., 143 Hughes Ave., Pawtucket, R. I.
Paxson Co., machinists, Purcellville, Va.
Paxson Company, J. W., D & Nicetown Lane, Philadelphia, Pa.
Paxton & Gallager Co., Omaha, Neb.

Paxton & Vierling Iron Works, S. 17th and W. P. R. R. Tracks, Omaha, Neb.
Paxton Canning Co., Paxton, Ill.
Paxton, John C., lime mfrs., Toms Brook, Va.
Paxton Lumber Co., Bristol, Va.
Paxton-Mitchell Co., 27th & Martha Sts., Omaha, Neb.
Pay, C. T., & Co., machsts., 307 S. Water, Providence, R. I.
Paye & Baker Mfg. Co., silver novelties, North Attleboro, Mass.
Payne & Adams. See Payne & Griswold (successors).
Payne & Co., Mon. & Railroad, Dayton, O.
Payne & Co., F. S., Cambridge, Mass.
Payne & Co., N. B., (Cranes), 26 Church St., New York.
Payne & Estes, flour mills, Eubank, Ky.
Payne & Griswold, architects, New London, Conn.
Payne Chase Co., mattress, Lincoln, Neb.
Payne, D. W., & Son, see Payne Furnace & Supply Co. (successor).
Payne Dean Ltd., (Valves), 103 Park Ave., New York.
Payne, E. F., & Son, fishing rods, Highland Mills, N. Y.
Payne, E. Scott, Co., whol. hdwe., 362 N. Gay, Baltimore, Md.
Payne, F. T., cornices & skylights, Dallas, Tex.
Payne, F. S., Co., freight elevators, 295 Franklin, Boston, Mass.
Payne Furnace & Supply Co., 158-60 N. Los Angeles, Los Angeles, Calif.
Payne, Geo. F., & Co., contractors, Stock Exchange Bldg., Philadelphia, Pa.
Payne, Geo. H., leaded glass, Paterson, N. J.
Payne, Geo. W., & Co., textile machy., Pawtucket, R. I.
Payne Mfg. & Canning Co., Payne, Ohio.
Payne Matthew Dental & Surgical Mfg. Co., surgical instruments, Yonkers, N. Y.
Payne, R. W., common brick, Drakes Branch, Va.
Payne, Theodore, landscape architect, 411 S. Main, Los Angeles, Calif.
Payne's Bolt Works, Howard & Main Sts., San Francisco, Cal.
Payson Manufacturing Co., 2916 W. Jackson Blvd., Chicago.
Payson Varnish Co., 804 E. 141 st., New York.
Payson's Indelible Ink Co., Northampton, Mass.
Payton Bros. Lumber Co., Saline, La.
Payton Lumber & Supply Co., Railway Exchange Bldg., St. Louis, Mo.
Pea Ridge Milling Co., Pea Ridge, Ark.
Peabody & Buland, lumber, Castle Rock, Wash.
Peabody & Co., Henry W., 17 State St., New York.
Peabody Anti-Dust Co., sweeping compounds, Peabody, Mass.
Peabody Coal Co., 332 S. Michigan av., Chicago, Ill.
Peabody, E. A., & Son, contractors, Lawrence, Mass.
Peabody, S. J., Lbr. Co., Columbia City, Ind.
Peabody School Furniture Co., No. Manchester, Ind.
Peace Bros., contractors, 20 Main, Flushing, N. Y.
Peach Bottom Slate Co., roofing slate mfrs., Delta, Pa.
Peach, J. A., sporting & athletic gds. mfrs., Gloversville, N. Y.
Peacock & Co., turpentine, Climax, Ga.
Peacock Coal Co., Pomeroy, Ohio.
Peacock, Kelly & Co., turpentine, Vidalia, Ga.
Peacock Mill Co., flour, Freewater, Ore.
Peacock's Iron Works, Selma, Ala.
Peacon, Richard, & Co., mill & facty. supplies, plumbers' supplies, Key West, Fla.
Peagler, H. M., turpentine, Homerville, Ga.
Peak, C. W., wood alcohol, Peakville, N. Y.
Peak, Cyrus, stone producers, Long Eddy, N. Y.
Peak, Hy., butchers' blocks, Peabrook, N. Y.
Peak Lumber Co., sash, door & blind, Lynchburg, Va.
Pearce & Co., W. H., 115 S. Dearborn St., Chicago.
Pearce Bros., contrs., Rockford, Ill.
Pearce, Chas. W., machsts., 1541 Albright av., Scranton, Pa.
Pearce Co., Fred'k., (Tools, Gauges, etc.), 70 W. 40th St., New York.
Pearce, F. T., Co., gold pens, 85 Sprague, Providence, R. I.
Pearce Fdry. Mach. Wks., Baton Rouge, La.
Pearce, J. E., & Co., furniture, 193H 7th av., New York.
Pearce Mfg. Co., woolen blankets, Latrobe, Pa.
Pearce, Wm., & Sons, machsts. & fndrs., Ogden, Utah.
Pearl & Sons, Henry, (Door Checks), 42 Murray St., New York.
Pearl Art Works, toys, games & novelties, 673 W. Madison, Chicago, Ill.
Pearl City Veneer Co., 40 Steele St., Jamestown, N. Y.
Pearl Cotton Mills, East Durham, N. C.
Pearl Roller Mill Co., Oswego, Kan.
Pearl Waist Co., Inc., knit goods, Cohoes, N. Y.
Pearlman & Co., M. M., (Metal), 154 W. 18th St., New York.
Pearlman, M. M., & Co., copper ingots & pig lead, Fox Bldg., Philadelphia, Pa.
Pearlman, Victor S., & Co., elec. light fix. mfrs., 533 Wabash av., Chicago, Ill.
Pearlstine, I. M., & Sons, whol. hdwe., Charleston, S. C.
Pearsall & Co., fertilizer, Wilmington, N. C.
Pearsall Co., The, 206 Broadway, New York.
Pearse, Howard, meat packers, W. 46th & Packers av., Chicago, Ill.
Pearse Leather Corp., Peabody, Mass.
Pearson & Ludascher Lbr. Co., Westmoreland and Delaware, Philadelphia, Pa.
Pearson, A. E., & Son, canned goods, Lottsburg, Va.
Pearson, Andrew P., stone producers, Oil City, Pa.
Pearson, C. H., 29 Broadway, New York.
Pearson, Carl H., sash, door & blind mfrs., 73 Bainbridge, Brooklyn, N. Y.
Pearson Concretitile Co., Morristown, N. J.
Pearson, E. Martin, machsts., nailing tools, Robbinsdale, Minn.
Pearson, Fred, & Co., plushes, Leverington & Wilde, Philadelphia, Pa.
Pearson, Frederick, consulting engnr., 25 E. Washington, Chicago, Ill.
Pearson, J. C., cornices & skylights, Shelbyville, Ind.
Pearson, John W., Co., armatures, 839 W. Lake, Chicago, Ill.
Pearson, Leroy, fndr., Portland, Pa.
Pearson Manufacturing Co., Robbinsdale, Minn.
Pearson Mfg. Co., 800 Beaver St., Pittsburgh, Pa.
Pearson, Olaf, & Son, bldg. contrs., Duluth, Minn.
Pearson, W. A., mill & facty. supplies, Holyoke, Mass.
Pearson, Walter, machst., Whiteman, Mass.
Pearson's, Saml. S., Sons, cornices & skylights, Ottawa, Ill.

PEASE CO., THE C. F. (General Offices and Factory), 820 N. Franklin St., Chicago.
Pres. & Treas.—Thomas Lord.
V. P. & Sales Mgr.—P. M. Morgan.
Secy.—Oscar O. Mertz.
Asst. Treas.—W. E. Timmerman.
Managers:
Altadena, Cal.—C. F. Pease.
Dallas, Tex.—H. L. Simmons.
Los Angeles, Cal.—C. F. Pease.
New York—T. K. Murney.
San Francisco, Cal.—W. P. Balderston.
Seattle, Wash.—Chas. E. Barteau.

Pease Co., granite prod., Milford, N. H.
Pease Co., Inc., L. F., 152 S. Water St., Providence, R. I.
Pease, F. B., Co., ladders, vacuum cleaners, Rochester, N. Y.
Pease Mfg. Co., sad irons, Cincinnati, Ohio.
Pease Piano Co., 128 W. 42nd, New York.
Peaslee-Gaulbert Co., 413 W. Main St., Louisville, Ky.
Peaslee Lumber Co., Westville, N. H.
Peats, Alf., Co., wall paper, mfrs., 25 S. Wabash av., Chicago, Ill.
Peavy-Byrnes Lumber Co., Shreveport, La.
Peavy-Byrnes Lumber Co., Emad, La.
Peavy-Wilson Lbr. Co., Pearson, La.
Peavey Mfg. Co., Brewer, Me.
Pech Fdry. & Mfg. Co., Gus, Le Mars, Ia.
Pech, Gustav, Fdry. & Mfg. Co., archl. iron, Le Mars, Ia.
Pechin Belting Co., Orchard & Torsdale Sts., Philadelphia, Pa.
Pechstein Iron Wks., Inc., Keokuk, Ia.
Peck & Carmody, F. J., Lbr. Co., constr., Dunmore, Pa.
Peck & Co., Asa, 556 Atwells Ave., Providence, R. I.
Peck & Hills Furn. Co., 1357H S. Wabash av., Chicago, Ill.
Peck & McKay, contractors, Brockton, Mass.
Peck & Mack Co., whol. hdwe., 452 Broadway, New York.
Peck & Peck, hdwe., Coshocton, N. Y.
Peck & White, carriages, Taunton, Mass.
Peck & Young Mfg. Co. (Steel, Brass & Bronze Springs), Forestville, Conn.
Peck, Anderson & Peck Co., heating contrs., Court & Sycamore, Cincinnati, Ohio.
Peck Bros. & Co., The, 125 Chestnut St., New Haven, Conn.
Peck Bros. Co., whol. hdwe., Montpelier, Vt.
Peck-Burkett Lumber Co., masons' & bldrs.' matls., Danbury, Conn.
Peck, C. A., Hdwe. Co., Christmas tree holders, Berlin, Wis.
Peck, C. L., & Sons, canned goods, Fincastle, Va.
Peck, C., & Son, stone producers, Toledo, Ohio.
Peck Distributing Agency, 226-9th St., Brooklyn, N. Y.
Peck, E. C., 1033 Mission rd., Los Angeles, Calif.
Peck, E. E., Co., soft metal rivets, Batavia, N. Y.
Peck, Frank B., Co., whol. hdwe., Hornell, N. Y.
Peck, Frank C., & Son, contrs., Railway Exchange Bldg., Kansas City, Mo.
Peck, Frank R., bldrs.' matls., 308 E. 4th, Los Angeles, Calif.
Peck, Geo. F., Mfg. Co., pump valves, Chelsea, Mass.
Peck, Geo. W., Co., whol. hdwe., Bath, N. Y.
Peck Hardware Co., Canandaigua, N. Y.
Peck Iron & Steel Works, bands, Kalamazoo, Mich.
Peck, J. S., & Son, interior finish, Cardington, Ohio.
Peck Light Co., headlights, 442 Douglas Bldg., Los Angeles, Calif.
Peck Lbr. Mfg. Co., 107 E. Market, Scranton, Pa.
Peck, McWilliams & Co., masons' & bldrs.' matls., Norwich, Conn.
Peck Mill & Grain Co., flour, Jefferson City, Tenn.
Peck Paper Co., D. F., 866 Larrabee St., Chicago.
Peck Rolling Mills, Ltd., Montreal, Que., Can.

PECK SPRING CO., Plainville, Conn.
Branch Office:
New York City—3 Park Row.

Peck, Stow & Wilcox Co., Southington, Conn.
Peck, W. E., & Co., mill & facty. supplies, 25 Broad, New York.
Pecke & Pratt, canned goods, Hilton, N. Y.
Peckham Const Co., Inc., Crosby Bldg., Buffalo, N. Y.
Peckham, Harry, Jr., 2345 W. Roosevelt Rd., Chicago.
Peckham Mfg. Co., metal surfacers, polishing leather, etc., 244 South, Newark, N. J.
Peckham, Wolf & Co., 621 Nott St., Schenectady, N. Y.
Peckinpah Lbr. Co., North Fork, Calif.
Peckinpaugh, Harrison & Co., plow beams, wood handles, Alton, Ind.
Peckworth, C. H. & R. C., contrs., 1170 Broadway, New York.
Pecora Paint Co., 4th St. & Sedgley Ave., Philadelphia, Pa.
Pecos Mercantile Co., Pecos, Tex.
Pecos Valley Farm Products Co., canned goods, Dayton, N. Mex.
Pecos Valley Lbr. Co., Roswell, N. Mex.
Peddicord Motor Supply Co., Monroe, La.
Peden Iron & Steel Co., 700 N. San Jacinto St., Houston, Tex.
Peden, W. H., Excelsior Co., Fredericksburg, Va.
Pedersen Lubricator Co., surgical instruments, 636 1st av., New York.
Pedersen Mfg. Co., special machy., etc., 236 Middle, Bridgeport, Conn.
Pedersen Mfg. Co., 636 First Ave., New York.
Pederson, C., & Son, machsts., La Crosse, Wis.
Pederson, Hans, contractors, Seattle, Wash.
Pederson, N. P., cornices, Tacoma, Wash.
Pedrick, Geo. C., brick, Flemington, N. J.
Pedrick, Harry Morrison, architect, Landsdowne, Pa.

PEDRICK TOOL & MACHINE CO., 3635 N. Lawrence St., Philadelphia, Pa.
A. D. Pedrick, D. W. Pedrick, H. A. Pedrick.

Pee Dee Brick & Tile Co., brick, Blue Brick, S. C.
Peebles Paving Brick Co., Masonic Temple Bldg., Portsmouth, O.
Peek & Velsor, powdered licorice, 76 William, New York.
Peek's, S. H., Sons, agricultural implements, East Aurora, N. Y.
Peekskill Fire Brick Wks., Peekskill, N. Y.
Peekskill Stone Co., Peekskill, N. Y.
Peeling, Geo., paint mfr., Joliet, Ill.
Peelle Co., The, (Fire Doors), Stewart Ave. & Harrison Pl., Brooklyn, N. Y.
Peeples Hdwe. Co., Savannah, Ga.
Peeples, J. W., lumber, Brooks, Ga.
Peer Mfg. Co., steam & vertical engines, Comstock, Mich.
Peerblow Mfg. Co., Lectsdale, Pa.
Peerless Album Co., 636-638 Broadway, New York.
Peerless Alloy Co., metals, 1409 Blake, Denver, Colo.
Peerless Automatic Machine Co., bolt, nut & rivet machy., 1962 W. 77th, Cleveland, Ohio.
Peerless Bedding Co., Bellefontaine, O.
Peerless Belt Lacing Machine Co., Swanson and Moore Sts., Philadelphia, Pa.
Peerless Belting Co., 32 Cortland St., New York.
Peerless Belting Co., Gardenville, N. Y.
Peerless Belting Co., Indian Church rd., Buffalo, N. Y.
Peerless Blue Print Co., 341 Fifth Ave., New York.
Peerless Boiler Co., range boilers & heaters, 190 N. La Salle, Chicago, Ill.
Peerless Bread Machine Co., Sidney, Ohio.
Peerless Brick Mach. Co., cement brick machines, 1234 Central av., Minneapolis, Minn.
Peerless Brilliant Lamp Div. of G. E. Co., Warren, O.
Peerless Buggy Co., Owensboro, Ky.
Peerless Carbon & Ribbon Mfg. Co., Inc., 111-113 W. Broadway, New York.
Peerless Carbon Black Co., 1st National Bank Bldg., Pittsburgh, Pa.
Peerless Coal & Coke Co., Vivian, W. Va.
Peerless Coal Co., McCormick Bldg., Chicago, Ill.
Peerless Coin Controlled Lock Co., 1730 W. Jefferson, Los Angeles, Calif.
Peerless Color Co., aniline colors & dyestuffs, etc., Bound Brook, N. J.
Peerless Drawn Steel Co., Massillon, O.
Peerless Electric Co., 611 W. Adams St., Chicago.
Peerless Electric Co., Warren, O.
Peerless Equipment Co., Hanover, Pa.
Peerless Exerciser Co., sporting goods, 383 Pearl, Brooklyn, N. Y.
Peerless Fertilizer Co., Chestertown, Md.
Peerless Fdry. Co., Indianapolis, Ind.
Peerless Foundry Co., Carthage, Cincinnati, Ohio.
Peerless Freezer Co., Winchendon, Mass.
Peerless Granite Co., artificial stone laundry tubs, Barre, Vt.
Peerless Handcuff Co., 47 Dwight St., Springfield, Mass.
Peerless Heater Co., 5602 Baum St., Pittsburgh, Pa.
Peerless Husker Co., Inc., (Canning Mchy.) 519 Cornwall Ave., Buffalo, N. Y.
Peerless Ice Machine Co., 503 S. Jefferson St., Chicago.
Peerless Insulated Wire & Cable Co., 90 West St., New York.
Peerless Iron & Metal Co., Pencobscot Bldg., Detroit, Mich.
Peerless Key Co., Inc., The, 176 Fulton St., New York.
Peerless Kid Co., Camden, N. J.
Peerless Knitting Mills Co., 34 Tokio, Boston, Mass.
Peerless Light Co., 663 W. Washington Blvd., Chicago.
Peerless Lighting Co., 416 N. 7th St., St. Louis, Mo.
Peerless Lthr. Spec. Co., advertising nov. & spec., 11 E. 26th, New York.
Peerless Machy. Co., 44 Binford, S. B., Boston, Mass.

PEERLESS MACHINE CO., 1630 Racine St., Racine, Wis.
Sales Mgr.—R. T. Ingalls.

Peerless Manifold Book Co., 10 Barclay, New York.
Peerless Mfg. & Supply Co. (Plumbing Specialties), 22 Warren St., New York.
Peerless Mfg. Co., cameras, Norwalk, Conn.
Peerless Mfg. Co., 15th St. and Ormsby Ave., Louisville, Ky.
Peerless Mfg. Co., wire brushes, New Durham, N. H.
Peerless Mfg. Co., paper towels & toilet paper, Norristown, Pa.
Peerless Marine Motor Co., 2150 Niagara, Buffalo, N. Y.
Peerless Metal Bearing Co., 289 San Fernando rd., Los Angeles, Calif.
Peerless Milling Co., flour, Parkersburg, W. Va.
Peerless Mill Supply Co., 186 Main St., Buffalo, N. Y.
Peerless Moistener Co., 416 S. Dearborn, Chicago, Ill.
Peerless Motor Car Co., Quincy Ave. & E. 93rd St., Cleveland, O.
Peerless Nut Co., 408 Frankfort, Cleveland, Ohio.
Peerless Pacific Co., mill & plumbers' supplies, 2d & Stark, Portland, Ore.
Peerless Paint & Varnish Co., Hippodrome Annex, Cleveland, Ohio.
Peerless Paper Box Mfg. Co., 1432-36 North Randolph St., Philadelphia, Pa.
Peerless Paper Co., book, Dayton, Ohio.
Peerless Pattern & Machine Works, Delaware, Ohio.
Peerless Piston Ring Mfg. Co., 3846 N. Clark, Chicago.
Peerless Plumbing Supply Co., 1107 Highland av., Los Angeles, Calif.
Peerless Plush Mfg. Co., 25 Madison Ave., New York.
Peerless Portland Cement Co., Union City, Mich.
Peerless Printing Press Co., Palmyra, N. Y.
Peerless Products Co., tube patches, 63 McAllister, San Francisco, Calif.
Peerless Pump Co., 826 Santa Fe av., Los Angeles, Calif.
Peerless Range Boiler Corp., 110 S. La Salle, Chicago.
Peerless Refill Fuse Co., Rochester, N. Y.
Peerless Roller Mills Co., flour, Austin, Minn.
Peerless Selling Co., 617 W. Michigan Ave., Evansville, Ind.
Peerless Slate Co., Delta, Pa.
Peerless Soap Co., hand cleaners, 1257 E. 66th, Los Angeles, Calif.
Peerless Statuary Co., potteries, Rahway, N. J.
Peerless Steel Co., boilers, tanks, structural steel, etc., Ardmore, Okla.
Peerless Stock Powder Co., sheep dips, insecticides, Falls City, Neb.
Peerless Stove & Mfg. Co., Columbus, Ohio.
Peerless Superheater Co., Inc., 52 Broadway, New York.
Peerless Surfacing Machine Co., Inc., Troy, N. Y.
Peerless Tank & Seat Wks., 617 W. Michigan Ave., Evansville, Ind.
Peerless Thinner Co., turpentine substitute, Mt. Wash., Md.
Peerless Tool Co., 3656 Lincoln St., Chicago.
Peerless Tube Co., collapsible tubes, Bloomfield, N. J.
Peerless Unit Ventilation Co., Skillman Ave., New York.
Peerless White Lime Co., Century Bldg., St. Louis, Mo.
Peerless Wire Fence Co., Adrian, Mich.
Peerless Wire Goods Co., 6 N. Michigan Ave., Chicago.
Peet & Schuster Co., Springfield, O.
Peet Bros. Mfg. Co., Kansas City, Kans.
Peet, C. D., common brick, Ithaca, Mich.
Peglar Machinery Co., Cowart & 16th Sts., Chattanooga, Tenn.
Pehrson, August, lumber, Ferndale, Wash.
Pehrson Bros., contrs., 555 Temple ct., Minneapolis, Minn.
Peirce & Co., W. E., Milford, N. H.
Peirce, A. H., cornices & skylights, Wellington, Ohio.
Peirce-Brown, Inc., iron, Tonawanda, N. Y.
Peirce City Lime Co., Peirce City, Mo.
Peirdin Metalware Co., ash cans & camp stoves, 88 N. 2d, Portland, Ore.
Pejepscot Paper Co., 42 Broadway, New York.
Pejepscot Paper Co., Brunswick, Me.
Peker, C. G., 239 W. 39th, New York.
Pekin Canning Co., Salem, Ind.
Pekin Cooperage Co., Pekin, Ill.
Pekin Engine & Machine Works, Pekin, Ill.
Pekin Wagon Co., Pekin, Ill.

PEKOR IRON WORKS, Columbus, Ga.

Pelaggi, N., & Co., granite, Northfield, Vt.
Pelham Builders' Supply Co., Inc., Pelham, N. Y.
Pelham Hod Elevating Co., 416 W. 26th, New York.

Pelham Mfg. Co., cotton duck & canvas, Pelham, Ga.
Pelham Mills, thread, twine (cotton), Pelham, S. C.
Pelham Oil & Fertilizer Co., Pelham, Ga.
Pelham Operating Co., 416 W. 26th St., New York.
Pelican Bay Lumber Co., Klamath Falls, Ore.
Pelican Box Factory, Miro & Julia, New Orleans, La.
Pelican Lake Oyster & Packing Co., Ltd., Houma, La.
Pelican Lumber Co., Mound, La.
Pelican Sheet Metal Works, Lake Charles, La.
Pelican Well Tool & Supply Co., Shreveport, La.
Pelkey, W. H., scythe stones, Fair Haven, Vt.
Pell City Mfg. Co., denims, Pell City, Ala.
Pell, Geo. E., crude rubber, 9 Hanover, New York.
Pellegrini & Co., A., 218 W. 20th St., New York.
Pellet Magneto Co., 2453 S. Wabash Ave., Chicago.
Pellett & Skinner, contractors, Brattleboro, Vt.
Pellez, F., lbr., Tomnolen, Miss.
Pelligreen Constr. & Inv. Co., Grand & Park av., St. Louis, Mo.
Pelouze Mfg. Co., 232-42 E. Ohio St., Chicago.

PELS & CO., Henry, 90 West St., New York.

Pelter, T. A., elec., contr., East San Diego, Cal.
Peltier Glass Co., Ottawa, Ill.
Pelton & Crane Co., surgical instruments, 632 Harper, Detroit, Mich.
Pelton Broom Co., Cedar Rapids, Ia.
Pelton Bros., masons' & bldrs.' matls., Herkimer, N. Y.
Pelton, George E., & Co., typewriter ribbons, Georgetown, Ky.
Pelton Steel Co., 672 Kinnickinnic, Milwaukee, Wis.
Pelton Water Wheel Co., 16th & Harrison Sts., San Francisco, Cal.
Pelzer Mfg. Co., cotton sheetings, Pelzer, S. C.
Pember, Whittemore & Demers, architects, 24 James, Albany, & Troy, N. Y.
Pemberton Co., cotton flannels, denims, Lawrence, Mass.
Pemberton Heating & Ventilating Co., 901 N. Alameda, Los Angeles, Calif.
Pemble, Wm., & Sons, paper & pulp mills, Stillwater, N. Y.
Pembroke Roller Mills, flour, Pembroke, Ky.
Pemple, Fr., & Son, cornices, 47 Cornwall, Boston, Mass.
Pemple, Geo. E., cornices & skylights, 27 Eustice, Boston, Mass.
Pen Carbon Manifold Co., duplicating app., New Brunswick, N. J.
Penberthy Injector Co., 360 Holden Ave., Detroit, Mich.
Penbryn Brick Co., Bridgeton, N. J.
Pence Automobile Co., 800 Hennepin av., Minneapolis, Minn.
Pence, John, steel structural work, West Alexandria, O.
Pence Mailing Mach. Co., see Bircher Co., Inc., (successor)
Pence, M. E., pearl buttons, Dallas City, Ill.
Pence, Wm. H., machst. & fndr., Fairfield, Ia.
Pencil Exchange (now General Pencil Co.), Jersey City, N. J.
Pencil Pointer Sharpener Co., Tamaqua, Pa.
Pencil Products Corp., 141 W. 17th St., New York.
Pencil Supply Co., 225 Fifth Ave., New York.
Pendell Boiler Co., 17 Snowden Ave., Schenectady, N. Y.
Pender, R. T., heaters, Lynn, Mass.
Pendleton & Gilkey, lbr., 954 McKnight Bldg., Minneapolis, Minn.
Pendleton & Townsend, sash, door & blind mfrs., Patterson, N. Y.
Pendleton Iron Works, machsts. & fndrs., Pendleton, Ore.
Pendleton Lumber Co., Santa Ana, Calif.
Pendleton Oil Mill, meal, Pendleton, S. C.
Pendleton, S. H., Lumber & Mill Co., Santa Ana, Calif.
Pendleton Woolen Mills, Pendleton, Ore.
Pendleton, W. S., Jr., & Co., mill & facty. supplies, 76 Pearl, New York.
Penenburg & Co., F. G., Mankato, Minn.
Penfield & Stone, flour mills, Camden, N. J.
Penfield Mfg. Co., projectors, Meriden, Conn.
Penfield Mfg. Co., 315 S. Franklin St., Syracuse, N. Y.
Penfield Saw Works, Bristol, Conn.
Penick & Ford, Ltd., canned goods, Whitney Bldg., New Orleans, La.
Penick, Hughes Co., whol. hdwe., Stamford, Tex.
Penick, R. A., & Son, whol. hdwe., South Boston, Va.
Penick, S. B., & Co., Inc., crude drugs, 115 Fulton, New York.
Peninsula Box & Lumber Co., Menominee, Mich.
Peninsula Foundry & Iron Works, Alta & Bradford Sts., Portland, Ore.
Peninsula Shipbuilding Co., Foot of McKenna St., Portland, Ore.
Peninsula Paper Co., Ypsilanti, Mich.
Peninsula Iron & Steel Co., 770 Folsom, San Francisco, Calif.
Peninsula Iron Works, St. Johns, Ore.
Peninsula Lumber Co., Foot of McKenna St., Portland, Ore.
Peninsular Brass Wks., machsts., Walter & Warren, Detroit, Mich.
Peninsular Casket Co., 4445 Galster av., Detroit, Mich.
Peninsular Emery Wheel Co., 729 Meldrum, Detroit, Mich.
Peninsular Fertilizer Co., Palatka, Fla.
Peninsular Grinding Wheel Co., 253 Meldrum, Detroit, Mich.
Peninsular Machy. Co., mill & facty. supplies, 429 E. Jefferson, Detroit, Mich.
Peninsular Milled Screw Co., 4646 Lawton Ave., Detroit, Mich.
Peninsular Naval Stores Co., Atlantic Natl. Bk. Bldg., Jacksonville, Fla.
Peninsular Paint & Varnish Co., Ltd., 913 E. Milwaukee Ave., Detroit, Mich.
Peninsular Paper Co., Ypsilanti, Mich.
Peninsular Portland Cement Co., Cement City, Mich.
Peninsular Shipbuilding Co., Portland, Ore.
Peninsular Smelting Co., Inc., 3651 Hart Ave., Detroit, Mich.
Peninsular Stove Co., Fort & 8th St., Detroit, Mich.
Peninsular Tool Salvage Co., cutters (milling), 45 Fort E., Detroit, Mich.
Penker, Max, & Sons, contrs., 123 Valencia, Cincinnati, Ohio.
Penley, E. W., meat packers, Auburn, Me.
Penley, Gilman H., fndr. & machst., South Paris, Me.
Penman, Littlehales Chem. Co., ferrocyanide sodium, Syracuse, N. Y.
Pen-Mar Distilling Co., Waynesboro, Pa.
Penn Allen Cement Co., Commercial Bldg., Allentown, Pa.
Penn American Refining Co., Bouseville, Pa., & Oil City, Pa.
Penn Beef Co., meat packers, 3919 Landcaster, Philadelphia, Pa.
Penn Boiler & Mach. Wks., Reading, Pa.
Penn Building Block Co., Inc., 923 Sansom, Phila., Pa.
Penn Brass & Bronze Wks., Inc., 117 Dobbin St., Brooklyn, N. Y.
Penn Brick Corporation, Bradford, Pa.
Penn Bridge Co., Beaver Falls, Pa.
Penn Button Wks., 444 N. 13th, Philadelphia, Pa.
Penn Carbon Coal Co., miners, Greensburg, Pa.
Penn Chemical Co., wood acids, Susquehanna, Pa.
Penn Chemical Wks., 1332 Washington av., Philadelphia, Pa.
Penn Coke Co., Uniontown, Pa
Penn Const. Co., metallic furn., Marietta, Pa.
Penn Contg. Co., Dept. H, Carrolltown, Pa.
Penn Drilling Co., core drills, 1812 W. Carson, Pittsburgh, Pa.
Penn Electrical & Mfg. Co., Irwin, Pa.
Penn Enamel Sink Co., fndrs., Indiana, Pa.
Penn Engineering Co., 312 Cherry St., Philadelphia, Pa.
Penn Equipment Co., mill & facty. supplies, Park Bldg., Pittsburgh, Pa.

PENN FDRY. & MFG. CO., Wyomissing, Reading, Pa.

Penn Foundry & Mfg. Co., machsts. & fndrs., Basic, Va.
Penn-Greg Mfg. Co., mail boxes, Capital Bank Bldg., St. Paul, Minn.
Penn, H. M., Co., elec. & gas light fixtures, 306 Washington, Newark, N. J.
Penn Hardware Co., Reading, Pa.
Penn Head Set Co., 339 E. Tulphacken St., Philadelphia, Pa.
Penn Iron & Coal Co., Canal Dover, O. (now The Hanna Furnace Co.)
Penn Iron Mining Co., ores, Philadelphia, Pa.
Penn Iron & Steel Co., Creighton, Pa.
Penn-Jaratt Lumber Co., Marianna, Fla.
Penn-Keystone Co., pumice stone impts., 300 Madison av., New York.
Penn Lbr. Co., Otis Bldg., Philadelphia, Pa.
Penn Mfrs. Assn., Finance Bldg., Philadelphia, Pa.
Penn Mfg. Co., clothes dryers & towel racks, North Girard, Ga.
Penn Mfg. & Supply Co., Wilkes-Barre, Pa.
Penn Metal Co., 65 Franklin St., Boston, Mass.
Penn Mill Co., flour, Hanover, Pa.
Penn Mill & Mine Supply Co., 523 1st av., Pittsburgh, Pa.
Penn Mold & Mfg. Co., Wheeling Bank & Trust Bldg., Wheeling, W. Va.
Penn Oil Co., Inc., Oil City, Pa.
Penn Petroleum & Supply Co., 1224 Washington Sts., Philadelphia, Pa.
Penn Piston Ring Co., 203 St. Clair av., N. E., Cleveland, Ohio.
Penn Planing Mill Co., Reading, Pa.
Penn Radio Company, Beavertown, Pa.
Penn Seaboard Steel Corp., Franklin Bank Bldg., Philadelphia, Pa.
Penn Springs Wks., Baldwinsville, N. Y.
Penn State Steel Co., 110 W. 40th St., New York.
Penn Steel Castings & Machine Co., Chester, Pa., now Penn Steel & Iron Corp., Lancaster, Pa.
Penn Sumter Lbr. Co., Sumter, S. C.
Penn Swing & Ladder Co., com. step ladder chairs, Lancaster, Pa.
Penn Table Co., 2d av. & 21st, Huntington, W. Va.
Penn Tack Co., Norristown, Pa.
Penn, Wm., Stone Co., 511 Plymouth Bldg., Minneapolis, Minn.
Penna Woven Wire Co., Lock Haven, Pa.
Pennant Novelty Co., Inc., 332 Broadway, New York.
Pennant Oil & Grease Co., 2414 Santa Fe av., Los Angeles, Calif.
Pennebaker-Turley, hosiery bands, labels, 1103 Cmit, Chattanooga, Tenn.
Pennef, Arthur J. S., switchboards, 422 W. 42nd, New York.
Pennell, Edmond, lumber, Penna Bldg., Philadelphia, Pa.
Pennell, J. F., Inc., grey iron castings & forgings, 206 Broadway, New York.
Penney, Albert W., contr. & bldr., 36 Derby, New Haven, Conn.
Penney, J. W., & Sons Co., mill & facty. supplies, Mechanic Falls, Me.
Penney, Wm. H., Inc., stone & granite producers, wkrs. & dlrs., Willow av. & 132d, New York.
Penniman & Browne, testing laboratories, 215 E. Fayette, Baltimore, Md.
Penniman & Son Hardware Co., A. C., Ft. Scott, Kans.
Penning Glass & Book Co., Quincy, Ill.
Pennington, A. B., & Co., paper & pulp mills, Forestport, N. Y.
Pennington Canning Co., Pennington, N. J.
Pennington Sons, G. W., 1699 Montgomery, San Francisco, Cal.
Pennock, Meda H., brick, Arlington, N. Y.
Pennock-Walter, Mfg. Co., wagon & carriage spokes, Algood, Tenn.
Pennoyer Co., J. C., 8 S. Dearborn St., Chicago.
Pennsburg Mfg. Co., sash, door & blind, Pennsburg, Pa.
Pennsylvania & Delaware Oil Co., 90 West St., New York.
Pennsylvania Alcohol & Chemical Co., 136 N. Water, Philadelphia, Pa.
Pennsylvania Blackboard Co., Slatington, Pa.

PENNSYLVANIA BOILER WORKS (Export Dept.), 43 Cedar St., New York.

Pennsylvania Boiler Works, 12th & Pennsylvania Ave., Erie, Pa.
Pennsylvania Brake Beam Co., Danville, Pa.
Pennsylvania Bldg. Supply Co., 2124 I., N. W., Washington, D. C.
Pennsylvania Burial Case Co., coffins, etc., Reynoldsville, Pa.

PENNSYLVANIA CAR CO., Sharon, Pa.

Pennsylvania Casting & Machine Works, 1305 Keystone Bldg., Pittsburgh, Pa.
Pennsylvania Cement Co., Bath, Pa., & 131 E. 46th, New York.
Pennsylvania Clay Co., 421 Wood St., Pittsburgh, Pa.
Pennsylvania Coal & Coke Corp., bituminous, Whitehall Bldg., New York.
Pennsylvania Coal Co., anthracite, Scranton, Pa.
Pennsylvania Construction Co., ballot boxes, guard rails, folding tables & electric booths, Marietta, Pa.
Pennsylvania Cooperage Wks., Oil City, Pa. (now H. A. Rush).

PENNSYLVANIA CRUSHER CO., Stephen Girard Bldg., Philadelphia, Pa.

Pennsylvania Door & Sash Co., 900—2nd Ave., Pittsburgh Pa.
Pennsylvania Drop Forging Co., finished agrit. steel shapes, 937 French, Pittsburgh, Pa.
Pennsylvania Drilling Co., 1812 W. Carson St., Pittsburgh, Pa.
Pennsylvania Engineering Co., heating contrs. & steam fitters' supplies, Philadelphia, Pa.
Pennsylvania Engng. Co., ice refrigerating mach., 1119 N. Howard, Phila., Pa.
Pennsylvania Engineering Wks., New Castle, Pa.
Pennsylvania Fire Brick Co., Beech Creek, Pa.
Pennsylvania Fireproofing Co., Erie, Pa.
Pennsylvania Flexible Metallic Tubing Co., Broad & Race Sts., Philadelphia, Pa.
Pennsylvania Forge Co., Ash & Bath sts., Philadelphia, Pa.
Pennsylvania Foundry Supply Co., foundry facings & mill & factory supplies, Liberty Bldg., Phila., Pa.

PENNSYLVANIA FURNACE & IRON CO., 373 Pine St., Warren, Pa.

Pennsylvania Gage & Repair Co., Imperial Power Bldg., Pittsburgh, Pa.
Pennsylvania Gas Co., Oil City, Pa.
Pennsylvania Gear Machine Co., E. Tioga, Weikel & Janney, Phila., Pa.
Pennsylvania Glass Co., glass bottles, fruit jars, etc., Anderson, Ind.
Pennsylvania Glass Mfg. Co., shades & reflectors, 404 Diamond, Pittsburgh, Pa.
Pennsylvania Glass Sand Co., Lewistown, Pa.
Pennsylvania Globe Gas Light Co., The, 9th and Sedgley Sts., Philadelphia, Pa.
Pennsylvania Grinding Wheel Co., Wayne and Berkly, Philadelphia, Pa.
Pennsylvania Hard Vein Slate Co., roofing slate mfrs., Easton, Pa.
Pennsylvania Hdwe. & Paint Co., whol., 6103 Penn av., Pittsburgh, Pa.

PENNSYLVANIA INSTRUMENT CO., 616-618 Chestnut St., Philadelphia, Pa.

Pennsylvania Iron Wks., fndrs., Eddystone, Pa.
Pennsylvania Knitting Mills, sweaters, 129 N. 12th, Phila., Pa.
Pennsylvania Lawn Mower Works, 1615 N. 23d, Phila. Pa.
Pennsylvania Linseed Products Co., 3419 Smallman St., Pittsburgh, Pa.
Pennsylvania Lubricating Co., 34th St., & A. V. R. R., Pittsburgh, Pa.
Pennsylvania Lbr. Co., Sheffield, Pa.
Pennsylvania Marble & Granite Co., West Grove, Pa.
Pennsylvania Mary Coal Co., bituminous, Bethlehem, Pa.
Pennsylvania Match Co., The, Bellefonte, Pa.
Pennsylvania Metal Culvert Co., Warren, Pa.
Pennsylvania Military Coll., engng. school & coll., Chester, Pa.
Pennsylvania Oil Co., lubrg., Erie, Pa.
Pennsylvania Oil & Grease Co., mill & fcty. supp., Atlanta, Ga.
Pennsylvania Oil & Refining Co., Oil City, Pa.
Pennsylvania Oil Products Ref. Co., Eldred, Pa.
Pennsylvania Oiler Co., engine oilers, 250 Fulton, New York.
Pennsylvania Optical Co., Reading, Pa.
Pennsylvania Paraffine Works, Titusville, Pa.
Pennsylvania Petroleum & Supply Co., lubrg. oils, packing mfrs., 113 Pine, Philadelphia, Pa.
Pennsylvania Piston Ring Co., 1064 Rockefeller Bldg., Cleveland, O.
Pennsylvania Pulverizing Co., Lewistown, Pa.

PENNSYLVANIA PUMP & COMPRESSOR CO., Easton, Pa.

Pennsylvania Rail Co., 5 Nassau St., New York.
Pennsylvania R. R. Marine Shops, ft. 10th, Hoboken, N. J.
Pennsylvania Range Boiler Co., 2024 N. 10th St., Philadelphia, Pa.
Pennsylvania Refining Co., petroleum, Karns City, Pa.
Pennsylvania Rubber Co. of America, Inc., Jeannette, Pa.
Pennsylvania Salt Mfg. Co., Widener Blvd., Philadelphia, Pa.
Pennsylvania Saw Co. (Saws & Tools), Frackville, Pa.
Pennsylvania Shafting Co., machsts. & fndrs., Spring City, Pa.
Pennsylvania Silk Co., umbrella cloth, Bangor, Pa.
Pennsylvania Slate Co., roofing slate mfrs., Slatington, Pa.
Pennsylvania Smelting & Refining Wks., babbitt metal, 906 Filbert, Philadelphia, Pa.
Pennsylvania Soap Co., 648 South Prince St., Lancaster, Pa.
Pennsylvania Stamping Co., York, Pa.
Pennsylvania State Coll., engng. school & coll., State College, Pa.
Pennsylvania Stone, Cement & Supply Co., masons' & bldrs.' supplies, Lancaster, Pa.
Pennsylvania Stove & Range Co., Spring City, Pa.
Pennsylvania Structural Slate Co., Drake Bldg., Easton, Pa.
Pennsylvania Supply & Mfg. Co., The, Allentown, Pa.

PENNSYLVANIA TANK CAR CO., Sharon, Pa.

Pennsylvania Tool & Mfg. Co., dies, jigs, etc., York, Pa.
Pennsylvania Trojan Powder Co., Hunsicker Bldg., Allentown, Pa.
Pennsylvania Trunk Co., 2 Washington, Pittsburgh, Pa.
Pennsylvania Window Glass Co., Kane, Pa.

PENNSYLVANIA WIRE GLASS CO., 912 Pennsylvania Bldg., Philadelphia, Pa.

Pres.—Walter Cox.
V. P.—Arno Shuman.
Treas.—Frank L. Martin.

Pennsylvania Wireless Mfg. Co., radio app., New Castle, Pa.
Pennsylvania Woven Wire Co., woven wire fences, Lock Haven, Pa.
Penntroy Corp., The, Troy, Pa.
Pennypacker, W. G., Jr., cooperage stock, 195 Delaware rd., Buffalo, N. Y.
Pennzoil Co., lubricating oils & greases, 2626 Santa Fe av., Los Angeles, Calif., Phoenix, Ariz., & Fresno, Calif.
Pennzoil Co., lubricants, Oil City, Pa.
Penobscot Chemical Fibre Co., 211 Congress, Boston, Mass.
Penobscot Lbr. & Box Co., Brewer, Me.
Penobscot Machy. Co., Bangor, Me.
Penoyar Lbr. Co., Igerna, Calif.
Penrhyn Slate Co., Hydeville, Vt.
Penrhyn Slate Co., Middle Granville, N. Y.
Penrod-Jurden Co., Bank of Commerce Bldg., Memphis, Tenn.
Penrod Walnut & Veneer Co., Sheffield, Kansas City, Mo.
Pensacola Cooperage Co., Pensacola, Fla.
Pensacola Excelsior Co., excelsior mfrs., Pensacola, Fla.
Pensacola Gas Engine & Supply Co., Pensacola, Fla.
Pensaloca Lumber & Timber Co., Pensacola, Fla.
Pensacola Mattress Co., Pensacola, Fla.
Pensacola Tar & Turpentine Co., Gull Point, Fla.
Pentecost, Geo. F., Jr., landscape architect, 15 E. 40th, New York.
Pentis, James & Son, contrs., Brookfield, Ill.

Penton Publishing Co., E. 12th & Chestnut Ave., Cleveland, O.
Pentucket Narrow Fabric Mills, Lowell, Mass.
Pentucket Wood Heel Co., Haverhill, Mass.
Penwarden, E. Darwin, chemicals, Carley Brook, Pa.
Penzel & Muller, 358-362 4th Ave., Long Island City, N. Y.
Peo, Leon L., & Co., motor boat bldrs., Cape Vincent, N. Y.
Peoples, Alfred D., mill & facty. supplies, Wilmington, Del.
Peoples Coal & Masons' Supply Co., Lynn, Mass.
Peoples Cotton Oil Co., Lafayette, La.
Peoples Fertilizer Co., Bay Minette, Ala.
People's Hardware Co., Gary, Ind.
People's Hdwe. Co., mill & facty. supplies, Muskegon, Mich.
Peoples Lighting Fixture Co., 6th & Main, Cincinnati, O.
Peoples Lumber & Supply Co., Augusta, Ga.
Peoples Lumber Co., Salem, Ohio.
Peoples Mfg. Co., Ltd., The, Toronto, Ont., Can.
Peoples Oil Co., Augusta, Ga.
Peoples Oil & Fertz. Co., Anderson, S. C.
Peoples Plumbing & Heating Supply Co., 490 Milwaukee, Chicago, Ill.
Peoples Scrap Iron & Metal Co., 1528 N. 2d, Minneapolis, Minn.
Peoria Brick & Tile Co., Peoria, Ill.
Peoria Builders' Supply Co., Peoria, Ill.
Peoria Can Co., Peoria, Ill.
Peoria Casket Co., Peoria, Ill.
Peoria Coal Drill Works, Peoria, Ill.
Peoria Cordage Co., Peoria, Ill.
Peoria Drill & Seeder Co., Peoria, Ill.
Peoria Elec. Fix. Co., Peoria, Ill.
Peoria Fdry. Co., Peoria, Ill.
Peoria Hydraulic Pump Co., Peoria, Ill.
Peoria Lounge & Mattress Co., Peoria, Ill.
Peoria Mach. & Supply Co., Peoria, Ill.
Peoria Malleable Castings Co., Peoria, Ill.
Peoria Roofing Co., cornices, Peoria, Ill.
Peoria Stone & Marble Wks., Peoria, Ill.
Peoria Tent & Awning Co., 110 S. Washington, Peoria, Ill.
Peoria Tractor Co., engines, Peoria, Ill.
Peoria Trunk Fcty., Peoria, Ill.
Pep Mfg. Co., abrasives, 33 W. 42d, New York.
Peppard, O. E., contractors, Missoula, Mont.
Pepper, J. W., mill & facty. supplies, Madison, Wis.
Pepper, Jno., Sr., fishing tackle & rods, Rome, N. Y.
Pepperell Braiding Co., Inc., East Pepperell, Mass.
Pepperell Card & Paper Co., E. Pepperell, Mass.
Pepperell Mfg. Co., cotton sheetings, Biddeford, Me.
Pepperton Cotton Mills, Jackson, Ga.
Peppler, Son & Co., Thos., Hightstown, N. J.
Pequanoc Rubber Co., Butler, N. J.
Pequannock Valley Paper Co., Butler, N. J.
Pequonnock Fdry., Inc., Fifth St., Bridgeport, Conn.
Pequot Brass Foundry, Norwich, Conn.
Percival Iron Co., 232 Aliso, Los Angeles, Cal.
Percolator Geyser Washing Mach. Co., 1732 Folsom, San Francisco, Calif.
Percy & Small, Bath, Me.
Perdido Lbr. Co., Millview, Fla.
Peren, C. P., & Marshall, S. M., consulting engnrs., 1107H B'way, New York.
Peres & Co., Frederick, 440 S. Dearborn St., Chicago.

PEREY MANUFACTURING CO., INC., 30 Church St., New York.

Perfeclite Mfg. Co., elec. lighting fixtures, 119 Main, Seattle, Wash.
Perfect Caster Co., 11th & Newport, Long Beach, Calif.
Perfect Cornice & Roofing Co., 1185 Washington av., New York.
Perfect Gas Controller & Fix. Co., regulators, 10103 Prospect av., Chicago, Ill.
Perfect Rubber Co., rubber balloons, Dept. H., Mansfield, O.
Perfect Safety Paper Co., Holyoke, Mass.
Perfect Safety Window Guard, clean'g appliances, 15 E. 40th, New York.
Perfect Steam Sterilizer Co., Louisville, Ky.
Perfect Stove & Mfg. Co., Belleville, Ill.
Perfect Tank & Seat Co., closet seats, Syracuse, N. Y.
Perfect Window Regulator Co., 20 Exchange pl., New York.
Perfection Auto Parts Co., castings, 410 Lakeside av., Cleveland, O.
Perfection Battery Mfg. Co., 2306 S. La Salle St., Chicago.
Perfection Bed Spring Co., Mansfield, Ohio.
Perfection Check Protector Co., Williamsport, Pa.
Perfection Concrete Stave Silo Co., Des Moines, Iowa.

PERFECTION COOLER CO., Michigan City, Ind.

Perfection Furnace Pipe Co., Toledo, O.
Perfection Gear Co., 213 N. Morgan, Chicago, Ill.
Perfection Grate & Supply Co., Springfield, Mass.
Perfection Heater & Mfg. Co., auto heaters, 6453 Carnegie av., Cleveland, Ohio.
Perfection Hydrometer Co., 742 Turner, Los Angeles, Calif.
Perfection Machine & Tool Works, dies, sheet metal stamping, etc., 1568 E. 22nd, Los Angeles, Calif.
Perfection Machine Works, Inc., 18 Norris, Buffalo, N. Y.
Perfection Mfg. Co., milk bottle boxes, 3901 S. Central, Los Angeles, Calif.
Perfection Mfg. Co., grass catchers & lawn swings, 2701 N. Leffingwell av., St. Louis, Mo.
Perfection Mfg. Co., cow milking machs., 2119 E. Hennepin, Minneapolis, Minn.
Perfection Mfg. Co., toothpicks, River Rouge, Mich.
Perfection Mfg. Co., veneer mfrs., Penobscot Bldg., Detroit, Mich.
Perfection Mattress Co., 831 N. 24th, Birmingham, Ala.
Perfection Metal Bar Co., store front const., 3321 Lorain av., Cleveland, Ohio.
Perfection Metal Products Co., road culverts, silos, tanks, etc., Topeka, Kans.
Perfection Oil Co., lubrg., Olean, N. Y.
Perfection Radio Co., receivers & amplifiers, 486 B'way, New York.
Perfection Restaurant Equipment Co., 911 E. 6th, Los Angeles, Calif.
Perfection Specialty Co., 425 E. Washington, Los Angeles, Calif.
Perfection Storage Battery Co., 500 E. 40th St., Chicago.
Perfection Supply Co., 92 Park Pl., New York.
Perfection Tire & Rubber Co., Des Moines, Ia.
Perfection Tube Co., inner tubes, Painesville, Ohio.
Perfection Wood Steaming Retort Co., Parkersburg, W. Va.
Perfecto Trunk Mfg. Co., 60 3d, Portland, Ore.
Perfex Radiator Co., Racine, Wis.
Perforated Pad Co., 113 Front St., Woonsocket, R. I.
Perforated Pattern Co., embroidery pattern perforating machy., 32 E. 22nd, New York.
Perin, C. P., & Marshall, S. M., 40 W. 40th, New York.
Perine, M., & Sons, potteries, 1009 W. Baltimore, Baltimore, Md.
Perine Machinery Co., dlrs., Seattle, Wash.
Perkes Co., Chas., 627 Arch St., Philadelphia, Pa.
Perkins & Co., machsts. & fndrs., Grand Rapids, Mich.
Perkins & McNeely, leather, Wayne av. & Bristol, Philadelphia, Pa.
Perkins & Son, Inc., B. F., Holyoke, Mass.
Perkins Appliance Co., concrete hangers, 4 Birnie, Springfield, Mass.
Perkins, Arthur L., 70-8th St., Jersey City, N. J.
Perkins, B. F., carriages, Farmington, N. H.
Perkins, B. F., & Son, paper & pulp machy., elec. disc fans, Holyoke, Mass.
Perkins Box Co., packing, Gloucester, Mass.
Perkins Bros., machsts. & fndrs., Havana, Ill.
Perkins Bros., lbr., Kelso, Ark.
Perkins Bros. Co., pads & tablets, Sioux City, Ia.
Perkins Bros. Co., 970 Westminster St., Providence, R. I.
Perkins, C. N., Co., hook & ladder trucks, Lawrence, Mass.
Perkins-Campbell Co., The, 622-6 Broadway, Cincinnati, O.
Perkins, Chas. P., skiver knives, Brockton, Mass.
Perkins Corp., storage tanks, wind mills, etc., Mishawaka, Ind.
Perkins Co., Henry, Bridgewater, Mass.
Perkins Co., Elmer E., 53 W. Jackson Blvd., Chicago.
Perkins Fdry. Co., Amsterdam, N. Y.
Perkins, Geo. E., chemists, 1620 Smith, Providence, R. I.
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Perkins Glue Co., 807 Jrn. S. Bldg., South Bend, Ind.
Perkins, Goodwin & Co., china clays, 33 W. 42d, New York.
Perkins Grinder Co., grinding machines, 706 American Trust Bldg., Cleveland, Ohio.
Perkins, H. F., stone producers, Lena, Ill.
Perkins, Isaiah W., carriage bodies, Lynn, Mass.
Perkins, J. T., Co., press cloths, 669 Kent av., Brooklyn, N. Y.
Perkins, Lloyd, stone polishing lathes, Middleboro, Mass.
Perkins Lumber Co., J. R., Fullerton Bldg., St. Louis, Mo.
Perkins Machine Co., Warren, Mass.
Perkins Mfg. Co., Augusta, Ga.
Perkins Mfg. Co., 1321 University Ave., St. Paul, Minn.
Perkins Marine Lamp Co., 1943 Pitkin av., Brooklyn, N. Y.
Perkins Oil Co., Memphis, Tenn.
Perkins Sash & Door Co., Augusta, Ga.
Perkins, S. W., lumber, Fairlee, Vt.
Perkins Steel Co., 143 Liberty St., New York.
Perkins Structural Steel Co., Wooster, O.
Perkins, W. J., flour, Helton, N. C.
Perkins Wind Mill Co., Mishawaka, Ind.
Perkinson & Brown, 412 N. Lincoln St., Chicago.
Perkinson & Finn, contrs., Petersburg, Va.
Perkinson Bros., Constr. Co., 3237 Carter av., St. Louis, Mo.
Perkiomen Crushed Stone Co., Green Lane, Pa.
Perkiomen Paper Co., Pennsburg, Pa.
Perley, A. P., lbr., Williamsport, Pa.
Perlman, A., Iron Wks., Inc., 1725 West Farms rd., New York.
Perlman, Charles, Co., leather, 1820 W. Webster av., Chicago, Ill.
Perma-Color-Lite Products Corp., lamp frostings & colorings, 495 Broome, New York.
Permalize Storage Battery Co., Indianapolis, Ind.
Perma-Loc Mfg. Co., gasket cements, Dept. H, Wilkes-Barre, Pa.
Permanent Adv. Co., signs, cardboard, Reading, Pa.
Permanent Wave Machine & Supply Co., irons, 465 Greenwich, New York.
Permatex Co., Inc., cements, compounds, etc., Sheepshead Bay, N. Y.
Permatite Mfg. Co., 21 N. E. 5th Ave., Minneapolis, Minn.
Permold Co., The, aluminum castings, 6800 Grant av., Cleveland, Ohio.

PERMUTIT COMPANY, THE, 440 4th Ave., New York.

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Perrine & Son, H. C., P. O. Box 24, South Amboy, N. J.
Perrine-Armstrong Co., Fort Wayne, Ind.
Perritt Iron & Roofing Co., cornices, Rosedale & P. R. R., Pittsburgh, Pa.
Perrizo, Paul, lbr., Daggett, Mich.
Perrott Mfg. Co., rubber mats & matting, Dept. H, Beaver Falls, Pa.
Perrow-Evans Hardware Co., Lynchburg, Va.
Perry & Brown, cornices & skylights, Putnam, Conn.
Perry & Henderson, flour mills, Connellsville, Pa.
Perry & Son, Jno. W., 418 Canal St., Syracuse, N. Y.
Perry & Whitney Co., 148 State St., Boston, Mass.
Perry, A. G., Plow Co., machsts. & fndrs., Coldwater, Miss.
Perry, A. P., Lbr. Co., McIntosh, Wash.
Perry, A. W., contr. & bldr., Stonington, Conn.
Perry-Austen Mfg. Co., Staten Island, N. Y.
Perry Bros., contrs., Montgomery, Ala.
Perry Bros., granite producers, Concord, N. H.
Perry Buxton-Doane Co., 216 W. 1st St., Boston, Mass.
Perry, C. H., machst. & fndr., Miami, Fla.
Perry, C. T., & Co., soap, Helena, Mont.
Perry, Chas. E., paper, 77 Washington, N. Boston, Mass.
Perry-Christenson-Campbell, Inc., metal doors & water heaters, 229 10th, San Diego, Calif.
Perry County Coal Corp., Boatmen's Bk. Bldg., St. Louis, Mo.
Perry, D. S., & Co., corn brooms, Urbana, Ohio.
Perry-Derrick Varnish Co., Vine & C. & O. Ry., Cincinnati, Ohio.
Perry, F. A., Warehouse, fertilizer, Sale City, Ga.
Perry, F. W., Machine Co., Youngstown, Ohio.
Perry-Fay Co., Elyria, O.
Perry-Fraser Lbr. Co., Noxapater, Miss.
Perry Glove & Mitten Co., Perry, Mich.
Perry Grain & Cement Co., masons' & bldrs.' matls., Vicksburg, Miss.
Perry Granite Co., Waterbury, Vt.
Perry, H. M., cornices, 7 Oregon av., New Haven, Conn.
Perry-Hanna Mercantile Co., charcoal, Beaty, Ark.
Perry, Harry M., 2816 N. Main St., Los Angeles, Cal.
Perry Iron Co., Cleveland, O.
Perry Iron Co., Erie, Pa.
Perry, J. P., & Co., steamfitters' supplies, 154 Pearl, Boston, Mass.
Perry Mfg. Co., masons' & bldrs.' matls., Perryopolis, Pa.
Perry Mill Co., flour, Perry, Okla.
Perry, O. H. & Son, canned goods, Manlius, N. Y.
Perry Oil Co., soap, Pawtucket, R. I.
Perry Packing Co., canned goods, Perry, Iowa.
Perry Stone Co., Ellettsville, Ind.
Perry Ventilator Corp., 200 Devonshire St., Boston, Mass.
Perry, W. A., contrs., San Fernando Bldg., Los Angeles, Calif.
Perry, W. D., cross ties, Longstreet, La.
Perrysburg Tile & Brick Co., Perrysburg, Ohio.
Perrysville Stove Works, machsts. & fndrs., Perrysville, Ind.
Perseverance Iron Fndy. Co. (Ltd.), Passynk & Federal, Philadelphia, Pa.
Pershing & Co., 134 N. Michigan St., South Bend, Ind.
Persinger Hdwe. & Furniture Co., Williamson, W. Va.
Persons Majestic Mfg. Co., bicycle, saddles, pedals, 54-72 Commercial, Worcester, Mass.
Perth Amboy Chemical Wks., Perth Amboy, N. J.
Perth Amboy Dry Dock Co., Perth Amboy, N. J.
Perth Amboy Fndy. & Mach. Co., Perth Amboy, N. J.
Perth Amboy Hdwe. Co., mill & facty. supplies, Perth Amboy, N. J.
Perth Amboy Tile Works, Perth Amboy, N. J.
Peru Auto Parts Mfg. Co., Peru, Ind.
Peru Basket Co., Peru, Ind.
Peru Brass & Mfg. Co., auto & plbrs.' brass goods, Peru, Ind.
Peru Canning & Mfg. Co., Peru, Neb.
Peru Canning Co., Peru, Ind.
Peru Constr. Co., Peru, Ill.
Peru Electric Co., Peru, Ind.
Peru Lumber Co., Peru, Ind.
Peru Milling Co., flour, Peru, Ind.
Peru Plow & Wheel Co., Peru, Ill.
Peruvian Guano Corp., Charleston, S. C.
Peshastin Lumber & Box Co., Pashastin, Wash.
Peshtigo Lumber Co., Peshtigo, Wis.
Petaluma Electric Incubator Co., Petaluma, Calif.
Peter & Bro., F. N. Newside, Pa.
Peter & Burghard Stone Co., Louisville, Ky.
Peter & Guckenberger, cordage & twine mfrs., 1205 Budd, Cincinnati, Ohio.
Peter & Volz Co., machsts. & fndrs.—desk mfrs., Arlington Heights, Ill.
Peter, Alfred, 238 Washington, Newark, N. J.
Peter Bros. Mfg. Co., Algonquin, Ill.
Peter, H. A., Supply Co., mill & facty. supplies, Paducah, Ky.
Peter-McCain Lumber Co., Butler, Tenn.
Peter Pirsch & Sons Co., Kenosha, Wis.
Peterman, A. J., sashes, doors & blinds, Fredericksburg, Ohio.
Peterman, H., (Fulton Paint & Color Works), 88 Fulton St., Brooklyn, N. Y.
Peterman Mfg. Co., Tacoma, Wash.
Peters & Bradley Milling Co., flour, N. B'dway, Knoxville, Tenn.
Peters & Co., F. D., Gloversville, N. Y.
Peters & Herron Co., talking machy. & slip covers, Dept. H, Buttles & Michigan av., Columbus, Ohio.
Peters & Probst, mason contrs., Cos Cob, Conn.
Peters & Reed Pottery Co., Zanesville, Ohio.
Peters & Son, Jas., 1934 N. Front St., Philadelphia, Pa.
Peters Cartridge Co., 1st Natl. Bank Bldg., Cincinnati, O.
Peters Co., H. A., 19 S. La Salle St., Chicago.
Peters, David, & Son, Fence & Gate Co., Homer, Ill.
Peters, E. D., & Sons, roofing slate mfrs., Slatington, Pa.
Peters-Eichler Htg. Co., 1516 Pine, St. Louis, Mo.
Peters, G. H., Co., cornices, 293 Oak, Buffalo, N. Y.
Peters, H. A., Co., contrs., 19 S. La Salle, Chicago, Ill.
Peters, H. J., Co., elec. light fix. mfrs., 227 W. Huron, Chicago, Ill.
Peters, H. S., overalls, Dover, N. J.
Peters, Hy., Brass Fndry. Co., Aurora, Ill.
Peters Home Bldg. Co., 654 McKnight, Minneapolis, Minn.
Peters, John, meat packers, Williamsport, Pa.
Peters, John M., Jr., lumber mfr., Bleecker, N. Y.
Peters, Jno. M., Sons, wood nov., Bleecker, N. Y.
Peters, Joseph, Furn. Co., Dept. H, 1459 15th, St. Louis, Mo.
Peters Mach. & Mfg. Co., see Cleveland Universal Parts Co. (successor).
Peters Machine Wks., machsts. & fndrs., Kelso, Wash.
Peters Machinery Co., packaging machy., etc., 231 W. Illinois, Chicago, Ill.

PETERS MACHINERY CO., 4700 W. Ravenswood Ave., Chicago.

Peters' Mill Work & Lumber Co., Carter Rd., Cleveland, O.

Peters-Morse Adding Machine Co., Inc., Ithaca, N. Y.
Peters Oil & Compound Co., 356 Clinton St., Milwaukee, Wis.
Peters Packing Co., meat, McKeesport, Pa.
Peters Pump Co., Kewanee, Ill.
Peters Trimming Co., fringes, 923 Fulton, Chicago, Ill.
Peters, White & Co., 110 William St., New York.
Peters, Wm. C., cornices & skylights, 1859 Carter av., New York.
Petersburg Excelsior Mills, Petersburg, Va.
Petersburg Hardware Co., Petersburg, Va.
Petersburg Leather Co., Petersburg, Va.
Petersburg Packing Co., canned goods, Seattle, Wash.
Petersburg Rim & Veneer Co., spokes, Petersburg, Va.
Petersburg Sand & Gravel Corp., Petersburg, Va.
Petersburg Sanitary Canning Co., Petersburg, Ind.
Petersburg Trunk & Bag Co., Petersburg, Va.
Petersen & Fell Boarding & Commissary Co., Pontiac Bldg., St. Louis, Mo.
Petersen, A. H., Mfg. Co., elec. portable drills, screw drivers & press stands, 1614H Fratney, Milwaukee, Wis.
Petersen, C., Co., htg. contrs., 390 6th, San Francisco, Calif.
Petersen Mfg. Co., A. H., 1614 Fratney St., Milwaukee, Wis.
Petersen Oven Co., 137 N. La Salle, Chicago, Ill.
Peterson & Loveland, machsts., Woodstown, N. J.
Peterson, A., lumber, Soldiers' Grove, Wis.
Peterson Art Furniture Co., Faribault, Minn.
Peterson Bros., contrs., New Rochelle, New York.
Peterson Bros., exhaust & blow piping, 150 Steuart, San Francisco, Calif.
Peterson Bros., lumber, Camas, Wash.
Peterson, C. E., Co., sash, door & blind mfrs., 4914 Wentworth av., Chicago, Ill.
Peterson, Chas. J., & Co., switchboards, 725 Fulton, Chicago, Ill.
Peterson, Clifford, Tool Co., mill & facty. supplies, 606 W. Randolph, Chicago, Ill.

PETERSON CO., F. W., 113 Greene St., New York.

Peterson, Frank B., 69 Main St., San Francisco, Cal.
Peterson, Geo., contrs., Burlington, Ia.
Peterson, J., Co., organs, pianos, Moline, Ill.
Peterson-Kartschake Co., brick, San Jose, Calif.
Peterson, Leonard & Co., 1222 Fullerton Ave., Chicago.
Peterson Lumber Co., sash, door & blind, Warsaw, Ind.
Peterson, Martin, common brick, Barronette, Wis.
Peterson-Miller Box Co., egg cases, Cairo, Ill.
Peterson, N. F., steam htg. contr., 124 E. Tremont av., New York.
Peterson, P. N., Granite Co., Park & Wabasha, St. Paul, Minn.
Peterson, Samuel, Warren, Pa.
Peterson Show Case & Fixture Co., 5700 S. San Pedro, Los Angeles, Calif.
Peterson Tallow Co., Emeryville, Calif.
Peterson Tool & Die Works, Inc., 142 Clifton Pl., Brooklyn, N. Y.
Petertyl, Victor, insulator pins & braces, Traverse City, Mich.
Petigor, M. H., soda water fountains, 216 E. 42d, New York.
Petit, J. J., 157 E. 44th, New York.
Petit Mfg. Co., The, 1505 Buffum St., Milwaukee, Wis.
Petley Co., J. R., 318 E. Water St., Milwaukee, Wis.
Petley Rubber Mfg. Co., 130 Oneida, Milwaukee, Wis.
Petrik, J. F., & Sons, mattresses, Topeka, Kan.
Petrillo, Rocco S., elec. contr., 31 Auburn, New Haven, Conn.
Petrium Sanitary Sink Co., Berkeley, Calif.
Petrolene Co., floor coverings, Whiting, Ind.
Petroleo Co., lubrg. oils, Waterford, N. Y.
Petroleum Age, trade publications, 28 E. Jackson, Chicago, Ill.
Petroleum Co., R. J., St. Louis, Mo.
Petroleum Equipment Co., oil well supplies, 1618 Santa Fe av., Los Angeles, Calif.
Petroleum Export Corp., 610 S. Main, Los Angeles, Calif.
Petroleum Heat & Power Co., fuel oil burners, 100 Boylston, Boston, Mass.
Petroleum Heat & Power Co., Inc., Stamford, Conn.

PETROLEUM IRON WORKS CO., THE, Sharon, Pa.

Pres.—J. L. Considine.
1st V. P.—H. A. Bishop.
Treas.—H. C. Knowles.
Secy.—J. L. Sullivan.
Sales Mgr.—J. A. Connelly.
Adv. Mgr.—F. J. McDermott.
Casper, Wyo.—Oil Exchange Bldg., H. S. Dilcher.
Houston, Tex.—806 Main St., A. M. Johnson.
New York—25 W. 43rd St., F. H. Munkelt.
St. Louis, Mo.—Liberty Central Trust Bldg., W. J. Scott.
San Francisco, Calif.—417 Market st., George Dorward.
Tulsa, Okla.—Central Nat'l Bank Bldg., J. P. McFadden.

Petroleum Products Co., lubrg. oils & greases, 51 Front, New York.
Petroleum Products Co., petroleum products, 3017 Neville, Pittsburgh, Pa.
Petroleum Products Co. of Calif., Inc., Exchange Bldg., San Francisco, Calif.
Petroleum Supply Co., mill & facty. supplies, Steubenville, Ohio.
Petroleum Supply Co., whol. hdwe. & oil well supplies, 25 W. 43d, New York.
Petroleum Tank Co., Houston, Tex.
Petrolia Refining Co., Petrolia, Pa.
Petry Co., Inc., N. A., 328 N. Randolph St., Philadelphia, Pa.
Petry, Jno. W., Co., mill & facty. supplies, 87 5th, Long Island City, N. Y.
Pettebone-Cataract Paper Co., Niagara Falls, N. Y.
Pettee, W. J., & Co., whol. hdwe., 121 W. Main, Oklahoma, Okla.
Petteis Co., B. H., Providence, R. I.
Petter Supply Co., H. A., Paducah, Ky.
Petterson & Persson, contrs., 62 Post, San Francisco, Calif.
Petterson, Edw., coppersmith, 231 South, New York.

PETTES & RANDALL CO., 150 Nassau St., New York.

Petteway, H. H., turpentine & rosin, Wauchula, Fla.
Petteway Turpentine Co., see Petteway, H. H. (successor).
Petti, N., Williamson Bldg., Cleveland, Ohio.
Pettibone & Co., P. F., 27 N. Desplaines St., Chicago.
Pettibone Bros. Mfg. Co., 626 Main, Cincinnati, O.

PETTIBONE MULLIKEN CO., 725, 140 S. Dearborn St., Chicago.

Pres.—A. H. Mulliken.
G. J. Slibeck.
C. H. Elb.
M. S. Meyers.

Pettigrew Fdry. Co., grey iron castings, Harvey, Ill.
Pettigrew, Wm., machst. & fndr., Everett, Pa.
Pettingell-Andrews Co., 511 Atlantic Ave., Boston, Mass.
Pettingell Electric Supply Co., R. V., 47 High St., Boston, Mass.
Pettingell Machine Co., Amesbury, Mass.
Pettingill, Geo. S., brick, Lewiston, Me.

PETTINOS, CHARLES E., 25 Church St., New York. Philadelphia, Pa.—701 Abbott Bldg.

Pettinos, George F., 810 Real Estate Trust Bldg., Philadelphia, Pa.
Pettis Co., B. H., 1227 Broad St., Providence, R. I.

PETTIS CO., W. W., 416-417 1st Natl. Bank Bldg., Cincinnati, O.

Pettis, John R., plbrs.' supplies, 853 E. 31st, Los Angeles, Calif.
Pettit & Co., New Brunswick, N. J.
Pettit & Co., lamp wicks, Lockport, N. Y.
Pettit & Cook Co., brick, South River, N. J.
Pettit, B. G., masons' & bldrs.' matls., Crooksville, O.
Pettit Feather & Bedding Co., York & Guild, Portland, Ore.
Pettit, Frank, Ornamental Iron Wks., bank railings, 1505 N. Mascher, Philadelphia, Pa.
Pettler & Son, P., Beaver Falls, Pa.
Pettler Steel Mat & Mfg. Co., iron settees, Beaver Falls, Pa.
Pettler Wire Products Co., Beaver Falls, Pa.
Petty & Co., J. K., Harrison Bldg., 12th St., Philadelphia, Pa.
Petty, Wm., stone producers, McKees Rocks, Pa.
Pettyjohn Co., 603 N. 6th St., Terre Haute, Ind.
Pettyjohn, J. P., & Co., contrs., Lynchburg, Va.
Petz Construction Co., 63 Underwood, Newark, N. J.
Petzelt & Keyser, carriages, 24th & Locust, Phila., Pa.
Peuchen, Stanley C., N. Tonawanda, N. Y.
Peuchot, A., Inc., importer, methylene blue, 469 W. 35th, New York.
Peufield, William W., Inc., snap fasteners, 397 Pacific, Stamford, Conn.
Pevear, Everett S., bldg. contr., 486 Chestnut, Lynn, Mass.
Peverley Bros., marble producers, 1215 Filbert, Philadelphia, Pa.
Pevey Foundry Co., Inc., Lowell, Mass.
Pewabic Co., iron ores, Milwaukee, Wis.
Pewabic Pottery Co., 10125 Jefferson E., Detroit, Mich.
Peyser-Hansen Machine Co., Mt. Vernon, N. Y.
Peyton & Meekens, lbr., Trinity, Texas.
Peyton, John B., lbr., Trinity, Tex.
Peytona Lbr. Co., R. & P. Bldg., Huntington, W. Va.
Pfaelzer, L., & Sons, meat packers, 3927 S. Halsted, Chicago, Ill.
Pfaff & Kendall, 655 Ferry St., Newark, N. J.
Pfaff, Geo., mill & facty. supplies, 109 Lafayette, New York.
Pfaff, J., & Son, contrs., Frankfort, Ill.
Pfaltz & Bauer, chem. & glues, 300 Pearl, New York.
Pfaltzgraff Pottery Co., flower pots, York, Pa.
Pfanmueller Engrg. Co., 38 S. Dearborn St., Chicago.
Pfanstiehl Co., rare metals & electrical spec., North Chicago, Ill.
Pfarr & Hobart Co., masons' & bldrs.' matls., 446 E. Exchange, Akron, Ohio.
Pfau Manufacturing Co., Cincinnati, O.
Pfau's, Geo., Sons Co., lard oils, Jeffersonville, Ind.
Pfaudler Co., The, Cutler Bldg., Rochester, N. Y.
Pfeffer, Jacob, masons' & bldrs.' matls., 10 Vernon av., Long Island City, N. Y.
Pfeffer P., Newark, N. J.
Pfeifer & Co., John, (Ltd.), 222-26 Race St., Philadelphia, Pa.
Pfeifer Bros., cornices & skylights, 473 Greenwich, New York.
Pfeifer Construction Co., 586 66th av., Milwaukee, Wis.
Pfeifer, F., pipe wrenches, 33 Warren, New York.
Pfeifer, Frederick, 30 Warren St., New York.
Pfeifer, John C., machst. & fndr., Rockport, Ind.
Pfeiffer & Burch, lumber, Edmore, Mich.
Pfeiffer, C. B., turpentine, Sylvania, Ga.
Pfeiffer Color Co., 99 John, New York.
Pfeiffer, E., cornices & skylights, 1263 Jerome av., New York.
Pfeiffer, Henry, & Sons Co., mill & facty. supplies, whol. hdwe., Fort Wayne, Ind.
Pfeiffer Stone Co., St. Joseph, Mo.
Pfeiffer, Walter, 241 E. University, Cincinnati, Ohio.
Pfeiffer, Wm., Auto & Carriage Wks., Omaha, Neb.
Pfeiffers, Jno., Plating Wks., Syracuse, N. Y.
Pfeil, Chas. O., & Awsumb, Geo., archts., Union & Planters, Bank Bldg., Memphis, Tenn.
Pfeil Co., Chas. J., 1976 W. 3rd St., Cleveland, O.
Pfender Bros., chain pumps, 804 3rd av., Evansville, Ind.
Pfister & Vogel Leather Co., Milwaukee, Wis.
Pfister, J. J., Knitting Co., bathing suits & sweaters, Berkeley, Calif.
Pfister, Wm. H., machst. & fndr., 230 W. 4th, Cincinnati, Ohio.
Pfisterer, C. G., traveling bags, 800 E. Jefferson, Los Angeles, Calif.
Pfistner, Fred'k, cornices, 108 Lincoln, Jersey City, N. J.
Pfizer & Co., Chas., 81 Maiden Lane, New York.
Pfleghar Hardware Specialty Co., New Haven, Conn.
Pfoertner-Lehmann Mach. Co., see Lehmann Mach. Co. (successors).
Pfund, G. F., & Son, meat packers, 3945 Germantown av., Philadelphia, Pa.
Phaeton Heater Co., Peekskill, N. Y.
Pharis Tire & Rubber Co., Newark, Ohio.
Pharmaceutical Era, trade publication, 3 Park pl., New York.
Pharo Mfg. Co., engine governors, Bethlehem, Pa.
Pharr, G. F., lumber, Dacula, Ga.
Pharr, King, canned goods, Catherine, Ala.
Pheiffer Stone Co., St. Joseph, Mo.
Phelan-Faust Paint Mfg. Co., 1215 Pine St., St. Louis, Mo.
Phelan-Shirley Co., Omaha, Neb.
Phelan, S. F., carriages, Stockton, Calif.
Phelps & Bigelow Wind Mill Co., Kalamazoo, Mich.
Phelps & Bradley Co., furniture, 38H Wareham, Boston, Mass.
Phelps & Sibley Co., lumber mfrs., Cuba, N. Y.
Phelps & Sons Mfg. Co., mail boxes, push buttons, 110 Pennington, Newark, N. J.
Phelps Bros. Co., mill & facty. supps., 1335 14th, N. W., Washington, D. C.
Phelps Bros. Co., 210 Water St., New York.
Phelps Bros. Co., steamfitters' supps., 101 Beekman, New York.
Phelps Can Co., Fulton Ave. & Eagle, Baltimore, Md.
Phelps-Dodge Corp. (Copper), 99 John St., New York.
Phelps, Elmer E., brass castings, Syracuse, N. Y.
Phelps, Frank K., cornices & skylights, Ashland, Ky.
Phelps, Geo. S., & Co., fertilizer mfrs., Thompsonville, Conn.
Phelps Guardant Time Lock Co., 229 Fulton, New York.
Phelps, H., canned goods, North Bay, N. Y.
Phelps, H. D., machsts. & fndrs., Ansonia, Conn.
Phelps Heating Specialty Co., radiator valves, 101 Beekman, New York.
Phelps, Levy W., sash, door & blind mfr., Ayer, Mass.
Phelps, M. A., Lumber Co., Cusick, Wash.
Phelps Mfg. Co., wire wheels, Columbus, Ohio.
Phelps Mfg. Co., Geneva, Ill.
Phelps, N. D., Co., mill & facty. supplies, Barre, Vt.
Phelps, Walter J., machsts., ft. of Lawrence, Baltimore, Md.
Phenix Clay Corp., Dallas, Tex.
Phenix Iron Works, Winona, Minn.
Phenix Lace Mills, Phenix, R. I.
Phenix Mfg. Co., 026 Center, Milwaukee, Wis.
Phenix Marble Co., 19th & Olive Sts., Kansas City, Mo.
Phenix Plate Co., 286 Park Ave., Worcester, Mass.
Phenix Supply Co., mill & facty. supplies, Atlanta, Ga.
Phenix Tube Co., Nott Ave., Brooklyn, N. Y.

PHEOLL MANUFACTURING CO., 5706 Roosevelt Road, Chicago.

Pres. & Treas.—Mason Phelps.
V. P.—S. M. Phelps.
Secy.—E. M. Whiting.
Sales Mgr.—W. J. McLoughlin.
San Francisco, Cal.—268 Market St., Chas. L. Lewis.
Seattle, Wash.—L. C. Smith Bldg., T. D. McLean.

Phifer, W. B., Co., lumber mfrs., Gainesville, Fla.
Philadelphia & Reading Coal & Iron Co., Reading Terminal, Philadelphia, Pa.
Philadelphia Aniline & Extract Co., coal tar prod., Bourse Bldg., Philadelphia, Pa.
Philadelphia Art Co., archi. iron, 16 N. 9th, Phila., Pa.
Philadelphia Bag Co., 84 Tasker, Philadelphia, Pa.
Philadelphia Belting Co., 6th & Spring Garden Sts., Philadelphia, Pa.
Philadelphia Brass Co., E. Dowington, Pa.
Philadelphia Brick Co., 23d c Passayunk av., Phila.; Pa.
Philadelphia Chaplet & Mfg. Co., School Lane & P. & R. Ry., Philadelphia, Pa.
Philadelphia Clay Co., 1316 Commonwealth St., Philadelphia, Pa.
Philadelphia Clay Material Co., 4629 W. Girard St., Philadelphia, Pa.
Philadelphia Coppersmithing Co., 808 N. Front, Philadelphia, Pa.
Philadelphia Culvert Co., 16th & Washington av., Philadelphia, Pa.
Philadelphia Drying Mach'y. Co., Stokley St., above Westmoreland, Philadelphia, Pa.
Philadelphia Elec. Constr. Co., lightning arresters, connections, etc., Head Bldg., Philadelphia, Pa.
Philadelphia Electric Co., The, 10th & Chestnut Sts., Philadelphia, Pa.
Philadelphia Electrical & Mfg. Co., 1236 N. 31st St., Philadelphia, Pa.
Philadelphia Engineering & Machine Co., 1130 Race St., Philadelphia, Pa.
Philadelphia Excelsior Co., excelsior, wood, wool packing, pads, tow moss fibre, etc., 716 N. 3d, Phila., Pa.
Philadelphia Expansion Bolt Co., 124 N. Sixth St., Philadelphia, Pa.
Philadelphia Felt Co., La. & Frankford cr. Phila., Pa.
Philadelphia Fire Brick Works, 2306 Vine St., Philadelphia, Pa.

PHILADELPHIA GEAR WORKS (INC.), 1123 Vine St., Philadelphia, Pa.

Philadelphia Grease Mfg. Co., The, 848-50 S. Swanson St., Philadelphia, Pa.
Philadelphia Hardware & Malleable Iron Works, Inc., 9th & Jefferson Sts., Philadelphia, Pa.
Philadelphia Insulated Wire Co., The, 200 N. Third St., Philadelphia, Pa.
Philadelphia Lawn Mower Co., 31st and Chestnut Sts., Philadelphia, Pa.
Philadelphia Leather Goods Co., traveling bags, Broadway & Wallace, Philadelphia, Pa.
Philadelphia Lye & Chemical Co., 1811 Fitzwtr., Philadelphia, Pa.
Philadelphia Mach. Wks., marine steering gears, 67 Laurel, Philadelphia, Pa.
Philadelphia Machine Screw Works, 624-626 Race St., Philadelphia, Pa.
Philadelphia Metal Drying Form Co., stocking forms, 1756 Randolph, Philadelphia, Pa.
Philadelphia Metal Stamping Co., 107 Erie, Camden, N. J.
Philadelphia Mineral Flooring & Products Co., Inc., 5640 Summer St., Philadelphia, Pa.
Philadelphia Notion & Novelty House, 332 Market St., Philadelphia, Pa.
Philadelphia Packing Box Co., 2624 American, Philadelphia, Pa.
Philadelphia Paper Mfg. Co., 416 Market, Philadelphia, Pa.
Philadelphia Pickling Co., canned goods, 262 S. 2d, Philadelphia, Pa.
Philadelphia Pipe Bending Co., 4135-4165 N. 5th St., Philadelphia, Pa.
Philadelphia Quartz Co., 121 S. Third St., Philadelphia, Pa.
Philadelphia Quartz Co. of California, silicate of soda, 6th & Grayson, Berkeley, Cal.
Philadelphia Roll & Mach. Co., 23rd and Washington Sts., Philadelphia, Pa.
Philadelphia Rubber Works Co., 37th and Reed Sts., Philadelphia, Pa.
Philadelphia Sash Weight Wks., fndrs, E. of Lewis & Ashland, Philadelphia, Pa.
Philadelphia Scoop Co., 1822 Cadwalder, Philadelphia, Pa.
Philadelphia Screen Mfg. Co., 56th & Woodlawn Ave., Philadelphia, Pa.
Philadelphia Second Hand Pipe Supply Co., 1003 N. 7th, Philadelphia, Pa.
Philadelphia Sheet Metal & Wood Wks., 1824 E. Clearfield, Philadelphia, Pa.
Philadelphia Ship Supply Co., mill & facty. supplies, Pasynk, & Wolf, Philadelphia, Pa.
Philadelphia Steam Heating Co., 3318 Landcaster, Philadelphia, Pa.
Philadelphia Steel & Forgo Co., 50 Church, New York.
Philadelphia Steel & Iron Co., Commercial Trust Bldg., Philadelphia, Pa.
Philadelphia Storage Battery Co., Ontario St., Philadelphia, Pa.
Philadelphia Stove & Iron Fdry. Co., 1631 N. 5th St., Philadelphia, Pa.
Philadelphia Tapestry Mills, Front and Allegheny St., Philadelphia, Pa.
Philadelphia Textile Machinery Co., see Proctor & Schwartz, Inc. (successor).
Philadelphia Thermometer Co., The, 54 N. 9th St., Philadelphia, Pa.
Philadelphia Tob'g'n Co., 130 E. Duval St., Germantown, Philadelphia, Pa.

Philadelphia Tram-Rail Co., overhead trolleys, 3420 N. Welkl., Philadelphia, Pa.
Philadelphia Transportation & Lighterage Co., 119 Walnut, Philadelphia, Pa.
Philadelphia Turntable Co., New Castle, Del.
Philadelphia Whiting Works, 2609 E. York, Philadelphia, Pa.
Philadelphia Wire & Ornamental Iron Works, 806 S. Lawrence, Philadelphia, Pa.
Philbrick-Booth Fdry. Co., 367 Homestead Ave., Hartford, Conn.
Philbrick Co., L. B., 75 Washington St., Salem, Mass.
Philbrick Cutter Head Co., 536-1st St. S., Seattle, Wash.
Philbrick, E. J., fertilizer mfr., Augusta, Me.
Philbrin Corp., ignition system, Kennett sq., Pa.
Philbrook, Wm. H., granite, Rockport, Me.
Philip & Co., Allen E., Atlantic City, N. J.
Philip, Rossman, Stockport, N. Y.

PHILIPP BROS., INC., metals & ores, 233 Broadway, New York.

Philipp-Kell Co., Inc., cornices & skylights, Clarkson & W. M. R. R., Baltimore, Md.
Philippine Refining Corp., copra & cocoanut oils, 50 Broad, New York.
Philips, A. A., Jr., joist hangers, etc., 2219 Pitkin av., Brooklyn, N. Y.
Philips Co., toys, games, blocks, etc., 354 4th av., New York.
Philips Hardware Co., mill & facty. supps., Columbus, Ga.
Philips, Lester Mfg. Co., overalls, 109 N. 23d, Birmingham, Ala.
Philipsburg Foundry & Machine Co., Philipsburg, Pa.
Phillipps, R. Stenner, architect, 15 W. 38th, New York.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Phillips & Clarke Stove Co., Inc., Geneva, N. Y.
Phillips & Co., Ltd., Timms, Vancouver, B. C., Can.
Phillips & Dickenson, flour mills, Wallace, Vt.
Phillips & Johnson, broom corn, Mattoon, Ill.
Phillips & McCreedy, machsts. & fndrs., Mt. Clemens, Mich.
Phillips & McLaren Co., 24th and Smallman St., Pittsburgh, Pa.
Phillips & Osborn, mattresses, 711 E. 47th, Chicago, Ill.
Phillips & Pyke, contrs., North Adams, Mass.
Phillips & Slack, granite, Northfield, Vt.
Phillips & Sons, contrs., Ridgewood, N. J.
Phillips & Sons Co., F. R., Pennsylvania Blvd., Philadelphia, Pa.
Phillips & Worthington, 90 West St., New York.
Phillips, A. G., & Son, whol. hdwe., Morristown, N. J.
Phillips, Aaron, common brick, Bowling Green, Ky.
Phillips Bronze Bushing Works, 1460 E. Washington, Los Angeles, Calif.
Phillips Bros., cornices & skylights, Allegan, Mich.
Phillips Buggy Works, Ironton, Ohio.
Phillips, C. R., & Co., see Globe Lumber Corp. of North Tonawanda, N. Y. (successor).
Phillips, Chas., Tool Co., machsts. & fndrs., Manniington, W. Va.
Phillips, Chas. T., mach. & power plant engnrs., 550 Montgomery, San Francisco, Calif.
Phillips, David, Co., machsts. & fndrs., Bradford, Pa.
Phillips, Doup & Co., Inc., (National), 24 44th St., Brooklyn, N. Y.
Phillips, E., & Sons, nails, South Hanover, Mass.
Phillips, E. K., brick, Willimansett, Mass.
Phillips Electric Co., Inc., The, 75 South Ave., Rochester, N. Y.
Phillips Excelsior Co., Lndn. & Long, Chattanooga, Tenn.
Phillips, F., & Son, contractors' tools mfrs., 1336 Greenmount av., Baltimore, Md.
Phillips, F. C., screw mach. products, Stoughton, Mass.
Phillips, Getschow Co., 130 W. Kinzie St., Chicago.
Phillips, H. W., submarine divers, Quincy, Mass.
Phillips Heating & Ventilating Co., 1224 S. Figroa, Los Angeles, Calif.
Phillips Insulated Wire Co., Pawtucket, R. I.
Phillips, J. H., Sons, canned goods, Berkeley Springs, W. Va.
Phillips, Jacobs, machst. & fndr., Westfield, Pa.
Phillips-Laffitte Co., Pennsylvania Bldg., Philadelphia.
Phillips Lead & Supply Co., 91 S. Main St., Providence, R. I.
Phillips Lime & Coal Co., Burlington, Iowa.
Phillips Lbr. Co., Tifton, Ga.
Phillips Mine & Mill Supply Co., 2227 Jane St., Pittsburgh, Pa.
Phillips, Morris T., cattle tool mfrs., Pomeroy, Pa.
Phillips Packing Co., Cambridge, Md.
Phillips Ribbon & Carbon Co., 88 Manhattan St., Rochester, N. Y.
Phillips Supply Co., S., Wichita, Kans.
Phillips, T. W., Gas & Oil Co., machsts., Butler, Pa.
Phillips, Thos., Co., paper bags, 23 W. Exchange, Akron, Ohio.
Phillips Tool Co., Charles, The, Mannington, W. Va.
Phillips, W. C., Co., refrigeration engrs., 311 California, San Francisco, Calif.
Phillips, Walter Co., canned goods, Salisbury, Md.
Phillips Wire Co., Freeman st., Pawtucket, R. I.
Phillips, Wm., & Co., laundry machy., Northville, Mich.
Phillips-Yarbrough Hardware Co., Montgomery & Opelika, Ala.
Phillipsdale Paper Mill Co., Phillipsdale, R. I.
Philpot & Co., flour mills, Hardyville, Ky.
Philpot & Lile, flour mills, Rocky Hill Station, Ky.
Philpott & Leuppie Co., machsts., Niagara Falls, N. Y.
Philpott Rubber Co., 1408 W. 3d, Cleveland, Ohio.
Phinotas Chemical Co., 237 Front St., New York.
Phipps Charcoal Co., Ironton, Ohio.
Phipps Furnace Co., 331 4th, Milwaukee, Wis.
Phipps, Horace J., & Co., glass stainers, 65 Bedford, Boston, Mass.
Phipps, J. H., Lumber Co., Fayetteville, Ark.
Phoenix Am. Pipe Wks., Boonville, Mo.
Phoenix Box Factory, packing boxes, Toledo, Ohio.
Phoenix Bridge Co., Phoenixville, Pa.
Phoenix Brush & Mfg. Co., 1046 W. Van Buren, Chicago, Ill.
Phoenix Candle Co., 139 Madison av., New York.
Phoenix Carriage Co., 901 Evans, Cincinnati, Ohio.
Phoenix Chemical Co., 2804 16th, San Francisco, Calif.
Phoenix Chair Co., Sheboygan, Wis.
Phoenix Constr. Co., 41 Park Row, New York.
Phoenix Cotton Oil Co., 60 S. Front St., Memphis, Tenn.
Phoenix Die Casting Co., 21 Illinois St., Buffalo, N. Y.
Phoenix Electric Co. (now Linzee Electric Motor Company), Mansfield, O.
Phoenix Elec. Co., storage batteries, 133 W. Washington, Chicago, Ill.
Phoenix Fire Extinguisher Co., Grove, Norwich, Conn.
Phoenix Flour Mills, Morton av., Evansville, Ind., & Phoenix, Ariz.
Phoenix Foundry & Machine Co., Ashtabula, Ohio.
Phoenix Fdg. & Mfg. Co., St. Joseph, Mo.
Phoenix Furniture Co., 517 E. 31st, Los Angeles, Calif.
Phoenix Furniture Co., Eau Claire, Wis.
Phoenix Furn. Co., Dept. H, Beaumont, Texas.
Phoenix Furn. Co., Dept. H, Warren, Pa.
Phoenix Gage Co., paper slitting machy., etc., Phoenix, N. Y.
Phoenix Glass Co., portables, 230 5th av., New York.
Phoenix Glass Co., 2nd National Bank Bldg., Pittsburgh, Pa.
Phoenix Hardware Mfg. Co., 49-53 Illinois St., Buffalo, N. Y.
Phoenix Hermetic Co., bottle caps, 3720 14th av., Brooklyn, N. Y.
Phoenix Horse Shoe Co., 209 S. La Salle St., Chicago.
Phoenix Ice Machine Co., machsts. & fndrs., 2711 Church av., Cleveland, Ohio.
Phoenix Iron & Boiler Works, Sacramento, Calif.
Phoenix Iron Co., structl steel mfrs., 22 S. 15th, Philadelphia, Pa.
Phoenix Iron Works, Meadville, Pa.
Phoenix Iron Works Co., 353 Union St., Portland, Ore.
Phoenix Knitting Works, Milwaukee, Wis.
Phoenix Laboratories, soap, tube patches, etc., 702 Polk, San Francisco, Calif.
Phoenix Light Co., 525 Market St., Milwaukee, Wis.
Phoenix Lock Wks., 3rd Ave., Newark, N. J.
Phoenix Lbr. Co., packing boxes, N. 348 Wall, Spokane, Wash.
Phoenix Lumber Co., Dept. H, Fort Myers, Fla.
Phoenix Mach. & Cold Storage Co., Phoenix, Ariz.
Phoenix Machine Co., 53 Park Pl., New York.
Phoenix Mfg. Co., overalls, 1204 S. Sharp, Baltimore, Md.
Phoenix Mfg. Co., Mobile, Ala.
Phoenix Mfg. Co., screws, Dept. H, Grand River & Lorraine, Detroit, Mich.
Phoenix Mfg. Co. Eau Claire, Wis.
Phoenix Metal Stamping Co., Inc., 2827H W. Fletcher, Philadelphia, Pa.
Phoenix Meter Co., machsts., Camden, N. J.
Phoenix Mill Co., flour, Marietta, Ohio & 112 6th, Minneapolis, Minn.
Phoenix Milling Co., flour, Sacramento, Calif.
Phoenix Oil Co., 2354 W. 5th St., Cleveland, O.
Phoenix Paint & Varnish Co., 124 Market St., Philadelphia, Pa.
Phoenix Paper Co., Greenwich, N. Y.
Phoenix Pattern & Model Mfg. Co., Hartford, Conn.
Phoenix Planing Mill, Atlanta, Ga.
Phoenix Portland Cement Co., Nazareth, Pa.
Phoenix Refining Co., petroleum & its products, 519 Palace Blvd., Tulsa, Okla.
Phoenix Sand & Gravel Co., 21 E. 40th, New York.
Phoenix Shingle Co., Seattle, Wash.
Phoenix Sidewalk Light Co., Monadnock Bldg., San Francisco, Calif.

PHOENIX SLATE CO., Penn Bldg., Wind Gap, Pa.

Phoenix Sliding Blind Co., Phoenix, N. Y.
Phoenix Soapstone Co., 71 Murray, New York.
Phoenix Specialty Mfg. Co., 48 Duane St., New York.
Phoenix Stone Co., Inc., soapstone, 111 Broadway, New York.
Phoenix Toilet & Paper Mfg. Co., Phoenix, N. Y.
Phoenix Tool Works, 443 S. San Pedro, Los Angeles, Calif.
Phoenix Trimming Co., carpet binding & tire tapes, 2008H N. Racine av., Chicago, Ill.
Phoenix Wire Works, Kirby & Dequindre Sts., Detroit, Mich.
Pholman Foundry Co., Inc., 205 Baltz Ave., Buffalo, N. Y.
Phono Motor Mfg. Co., Inc., The, 325 Dean St., Brooklyn, N. Y.
Phosphate Mining Co., 110 William, New York.
Phosphate Products Co., calcium phosphate acid, Charleston, S. C.
Phospho Food Co., Los Angeles, Calif.

PHOSPHOR BRONZE SMELTING CO. (LTD.), 2202 Washington Ave., Philadelphia, Pa.

Photogenic Machine Co., The, Youngstown, O.
Photoplating Co., signs, glass, Minneapolis, Minn.
Photostat Corp., Providence, R. I.
Phyfe, Lloyd I., 1001 Anderson, New York.
Pia, Peter F., Britannia ware mfrs., 129 White, New York.
Pianista Piano Co., 614 W. 51st, New York.
Piano & Organ Supply Co., actions, 2132 N. Racine av., Chicago, Ill.
Picard & Co., A. J., 47 W. 63rd St., New York.
Piccirilli Bros., sculptors, 467 E. 142d, New York.
Picher Lead Co., see Eagle-Picher Lead Co. (successor).
Pick & Company, Albert, 208-224 West Randolph St., Chicago.
Pick, Richard, Mfg. Co., chair seats & lamp filaments, 224 N. Wells, Chicago, Ill.
Pickands Brown & Co., 332 S. Michigan Ave., Chicago.
Pickands Mather & Co., Union Trust Bldg., Cleveland, Ohio.
Pickel, Benj., stone, Warrensburg, Mo.
Pickel Marble & Granite Co., 1901 N. Broadway, St. Louis, Mo.
Pickel Stone Co., 1320 S. Vandeventer av., St. Louis, Mo.
Pickens Mills, cotton sheetings, Pickens, S. C.
Pickens Oil & Fertilizer Co., meal, Pickens, S. C.
Pickerin, M. H., Co., furniture, Dept. H, Penn & 10th, Pittsburgh, Pa.
Pickering Co., R. S., Sharon Hill, Pa.
Pickering, Geo., & Co., aniline colors, Elmira, N. Y.
Pickering Governor Co., Portland, Conn.
Pickering Hardware Co., 5th & Main, Cincinnati, Ohio.
Pickering Land & Timber Co., lbr., Cravens, La.
Pickering Lumber Co., The, W. R., R. A., Long Bldg., Kansas City, Mo.
Pickering Mfg. Co., brush machy., 1605 N. Park, Philadelphia, Pa.
Pickering, W. H., & Co., machsts., 92 Outlook, Hartford, Conn.
Pickering, W. R., Lumber Co., Long Bldg., Kansas City, Mo.
Pickert, L., Fish Co., canned. 16 New, Boston, Mass.
Pickett & Shirkie Coal Co., Terre Haute, Ind.
Pickett Hardware Co., Warren, Pa.
Pickett, Wm., & Co., contrs., Washington, Pa.
Picking, D., & Co., various kinds of kettles, supplies, Bucyrus, Ohio.
Picking, R. O., rotary rock drilling, tools, Phelan Bldg., San Francisco, Calif.
Pickins Roofing & Sheet Metal Co., Spartanburg, S. C.
Pickrel Walnut Co., 4025 Clara Ave., St. Louis, Mo.

PICKTHALL SUPPLY CO., mill & facty. supplies, 321 Fremont, San Francisco, Calif.

Picture Corp., 383 Madison av., New York.
Picture Service Corp., 208 S. La Salle St., Chicago.
Piebles, John Kevdu, Law Bldg., Norfolk, Va.

PIDGEON-THOMAS IRON CO., 84 N. 2nd St., Memphis, Tenn.
Pres. & Treas.—W. G. Thomas.
V. P.—Frank C. Pidgeon.
Secy.—Phillip Pidgeon.
Asst. Secy.—James Pidgeon.

Piedmont Cotton Mills, Egan, Ga.
Piedmont Electric Co., Asheville, N. C.
Piedmont Fertilizer Co., Opelika, Ala.
Piedmont Fdy. & Mach. Co., Piedmont, W. Va.
Piedmont Fdy. & Machine Wks., Hickory, N. C.
Piedmont Hdwe. Co., Danville, Va.
Piedmont Mfg. Co., sheetings, Piedmont, S. C.
Piedmont Mills, flour, Lynchburg, Va.
Piedmont Motor Car Co., Inc., Lynchburg, Va.
Piedmont Mt. Airy Guano Co., fertilizer mfrs., Keyser Bldg., Baltimore, Md.
Piedmont Wagon & Mfg. Co., Hickory, N. C.
Piel Co., G., 13th St. and Boulevard, Long Island City, N. Y.
Pielage, Hy., & Co., stone, 1032 Flint, Cincinnati, O.
Pierce & Chesworth, Inc., 100 Travers St., Gardner, Mass.
Pierce & Co., N. E., Milford, N. H.
Pierce & Cox, heating contrs., 143 Kingston, Boston, Mass.
Pierce & Son, Co., S. K., Station A., Gardner, Mass.
Pierce & Stevens, alcohol, 4th & Penn, Buffalo, N. Y.
Pierce, A. S., lumber, Rhinelander, Wis.
Pierce Accounting Machine Co., 137 E. 25th St., New York.
Pierce-Arrow Motor Car Co., 1695 Elmwood, Buffalo, N. Y.
Pierce-Budd Co., machsts., Bay City, Mich.

PIERCE, BUTLER & PIERCE MFG. CORP., 41 E. 42nd St., New York.

Pierce, C. S., Co., boot counters, Brockton, Mass.
Pierce, C. S., Lumber Co., Fresno, Calif.
Pierce City Co., Pierce City, Mo.
Pierce City Lime Co., Pierce, Mo.
Pierce Co., (Veg. Oils), East Rochester, N. Y.
Pierce Co., silo, hdwe., 930 Wyandotte, Kansas City, Mo.
Pierce Co., F. O., (Paint), 12 W. Broadway, New York.

PIERCE CO., THE WM. B., 54 N. Division St., Buffalo, N. Y.
Pres.—C. S. Davis.
Secy.-Treas.—L. Shire.

Pierce, F. B., Co., spinning wheels, brush handles, Keene, N. H.
Pierce, F. H., 52 Pierce St., Hyde Park, Mass.
Pierce, F. M., & Co., glass, Clayton, N. J.
Pierce Fuse Corporation, 752 Main St., Buffalo, N. Y.
Pierce, Geo. F., fertilizer mfr., Milford, Del.
Pierce Governor Co., Anderson, Ind.
Pierce Hardware Co., Taunton, Mass.
Pierce, Jno. A., machsts. & fndrs., Xenia, Ill.
Pierce Lbr. Co., Marked Tree, Ark.
Pierce Mfg. Co., contrs., 785 Housatonic av., Bridgeport, Conn.
Pierce Oil Corp., 111 Broadway, New York.
Pierce, O. W., Co., cornices, Olean, N. Y.
Pierce Packer Co., oil well packers, Franklin, Pa.
Pierce, R. A., 830 18th, Denver, Colo.
Pierce, S. K., & Son, revolving chairs, Gardner, Mass.
Pierce Sam'l, Organ Pipe Co., Reading, Mass.
Pierce Textile Corp., 45 Leonard St., New York.
Pierce, Thos. W., Hardware Co., Middleboro, Mass.
Pierce, Walter S., Co., pianos, 691 14th, San Francisco, Calif.
Pierce-Williams Co., The, South Haven, Mich.
Pierce, Wm. M., machy. dlrs., 515H Main, Dallas, Tex.
Pierce Wrapping Machine Co., 617 W. Jackson Blvd., Chicago.
Pieretti Bros., concrete contrs., Ivoryton, Conn.
Pierpoint, Jas. & Sons Co., pig iron & coke dlrs., Franklin Trust Bldg., Philadelphia, Pa.
Pierpont Mfg. Co., woodenware & boxes, Savannah, Ga.
Piermont Paper Co., Piermont, N. Y.
Pierron Pottery Co., 31 Johnson, Milwaukee, Wis.
Piersen Mfg. Co., telegraph transmitters & gasoline motors, Topeka, Kan.
Pierson & Bros., contrs., 800 S. 9th, Terre Haute, Ind.
Pierson & Co., 29 Broadway, New York.
Pierson & Hancock, contrs., 84 Peachtree, Atlanta, Ga.
Pierson & Reid Hdw. Co., Greenville, O.
Pierson, A. L., Mfg. Co., overalls, Galveston, Texas.
Pierson Hardware Co., Pittsfield, Mass.
Pierson Lbr. & Coal Co., Copper & Cherry, Northside, Cincinnati, Ohio.
Pierson Mfg. Co., overalls, Quincy, Ill.
Pierson, S. M., machst., Sumter, S. C.
Pierson U-Bar Co., 1170 Broadway, New York.
Pierson-Wilcox Electric Co., 223 S. 6th St., Minneapolis, Minn.
Pietsch, Ferdinand, steel structl. wk., 617 Cedar, Milwaukee, Wis.

PIFER ELECTRIC REPAIR & MFG. CO., THE, 1382 E. 43rd St., Cleveland, O.
Pres. & Gen. Mgr.—A. A. Pifer.
V. P. & Supt.—W. J. Rennison.
Sec. & Treas.—H. Clark.

Pifers, G. W., Sons, sash, door & blind, Dubois, Pa.
Pigeon Fraser Hollow Spar Co., E. Boston, Mass.
Pigeon Hollow Spar Co., East Boston, Mass.
Pigeon River Lbr. Co., Grand Rapids, Wis.
Pig Tail Staple Co., metal furring staples, 519 California, San Francisco, Calif.
Piggly Wiggly Corp., 90 L. St., N. E., Washington, D. C.
Pignolet Instrument Co., Inc., (now W. F. Hessel Mfg. Co., New York).
Pigot-Sayre Co., 29 Broadway, New York.
Pigott Steel Co., 632 Frankfort Ave., Cleveland, O.
Pihl & Miller, dock bldrs., Wabash Bldg., Pittsburgh, Pa.
Pike & Cook, contrs., 416 S. 5th, Minneapolis, Minn.
Pike & Heald Co., steamfitters' supplies, 20 Concord, Manchester, N. H.
Pike & Whipple Co., carriages, Peabody, Mass.
Pike, A. C., Tent & Awning Co., 107 N. 3d, Portland, Ore.
Pike, A. W., & Co., whol. hdwe., 715 Mission, San Francisco, Calif.
Pike Auto & Trailer Works, camp beds, etc., 701 E. 7th, Los Angeles, Calif.
Pike County Coal Co., McCormick Bldg., Chicago, Ill.
Pike Dial Lbr. Co., 2201 Loomis, Chicago, Ill.
Pike, E. N., & Son, belt dressing, 93 Broad, Boston, Mass.
Pike, F. H., machsts. & fndrs., Randolph, N. Y.
Pike Mfg. Co., Pike, N. H.
Pike River Granite Co., Marinette, Wis.
Pike, Robt. D., & West, Geo. H., chemical engrs., Call Bldg., San Francisco, Calif.

Pike Stained Glass Studios, leaded windows, 191 East av., Rochester, N. Y.
Pike, Thos. H., Co., oil & gas well supplies, 1506 Santa Fe av., Los Angeles, Calif.
Pike, W. N., & Sons, contrs., Lawrence, Mass.
Pilat, Carl F., landscape archt., 15 Park Row, New York.
Pilcher's, Hy., Sons, organs, pianos, Louisville, Ky.
Pilgrim Specialty Co., adv. nov., badges & signs, Malden, Mass.
Pilley Packing & Flue Brush Mfg. Co., 606-8-10 S. Third St., St. Louis, Mo.
Pilling & Co., Inc., Real Estate Bldg., Philadelphia, Pa.
Pilling Co., J. L., Athol, Mass.
Pilling, Geo. P., & Son Co., milking tubes, 23d & Arch, Philadelphia, Pa.

PILLIOD COMPANY, THE, Swanton, O.
Pres.—Robert H. Weatherly, New York City.
V. P.—Abner D. Baker, Swanton, O.; Burton Mudge, Chicago.
Sec. & Treas.—Fred E. Pilliod, Swanton, O.
Chicago—Railway Exchange Bldg.
New York—30 Church St.

Pilliod Co., valve gears, 30 Church, New York.
Pilliod Lumber Co., Swanton, O.
Pillsbury Flour Mills Co., 3d fl. Met. Life Bldg., Minneapolis, Minn.
Piloid Milling Co., wheat flour, Swanton, Ohio.
Pilot Electric Mfg. Co., Brooklyn, N. Y.
Pilot Motor Car Co., Richmond, Ind.
Pilot Packing Co., Inc., Peoples Gas Bldg., Chicago.
Pilot Point Cotton Oil Mill Co., meal, Pilot Point, Tex.
Pilot Point Roller Mill Co., flour, Pilot Point, Tex.
Pilsbry-Becker Eng. & Supply Co., 119 S. 11th St., St. Louis, Mo.
Pilsen Fdry. & Iron Wks., 1530 W. 22nd St., Chicago.
Pilsen Lumber Co., 2201 Laflin St., Chicago.
Pilsen Sash & Door Co., 2926 W. 26th, Chicago, Ill.
Pimbley Paint & Glass Co., St. Joseph, Mo.
Pimes, M. & Co., furn., 300H, N. Front, Baltimore, Md.
Pinal Dome Refining Co., petroleum, Santa Maria, Calif.
Pinch Co., mill & facty. supplies, Lakeland, Fla.
Pinches, John, & Sons, interior hardwood wk. mfrs., 211 Main, New Britain, Conn.
Pinckneyville Milling Co., flour, Pinckneyville, Ill.
Pine and Cypress Mfg. Co., Birmingham, Ala.
Pine & Cypress Co., Alapaha, Ga.
Pine Belt Lumber Co., St. Louis, Mo.
Pine Bluff Brick Co., Pine Bluff, Ark.
Pine Bluff Iron Wks., machsts. & fndrs., Pine Bluff, Ark.
Pine Box Co., Grant's Pass, Ore.
Pine Bluff Lumber Co., Pine Bluff, Ark.
Pine Bluff Plumbing & Heating Co., Pine Bluff, Ark.
Pine-Ihrig Mach. Co., Oshkosh, Wis.
Pine Iron Works Co., Pine Forge, Pa.
Pine Level Oil Mills, Pine Level, N. C.
Pine Lbr. Co., Marcus, Wash.
Pine Lbr. Co., Newbern, N. C.
Pine Mountain Granite Co., Atlanta, Ga.
Pine Plume Lumber Co., Savannah, Ga.
Pine Run Coal Co., bituminous, New Bethlehem, Pa.
Pine Tree Mfg. Co., Little Falls, Minn.
Pine Woods Lbr. Co., Springhill, La.
Pine Zone Lbr. Co., Realty Bldg., Spokane, Wash.
Pineora Mfg. Co., lumber, Pineora, Ga.
Pingree, A. W., lbr., Auburn, N. H.
Pingree, D. W., Co., lbr., Lawrence, Mass.
Pinkerton Electric Equipment Co., receivers, 1834 B'way, New York.
Pinkerton, James H., Co., htg. contrs., 927 Howard, San Francisco, Calif.
Pinkerton National Detective Agency, 137 S. La Salle St., Chicago.
Pinkerton, Rachael (Est. of), boilers, steel stacks & tanks, Green Island, N. Y.
Pinkham & Smith Co., lenses, 288 Boylston, Boston, Mass.
Pinkham, C. A., Carriage Co., & sleighs, Farmington, Me.
Pinkham Lumber Co., J. B., General Offices, Stuart Bldg., Seattle, Wash.
Pinkosowitz, Abr., trunk mfr., 113 2d., New York.
Pinnell & Tompkins Lumber Co., Rushville, Ind.
Pinneo & Daniels Co., carriage hubs, spokes & wheels, Dayton, Ohio.
Pinnell, J. W., fndrs., 1200 Capnuse av., Scranton, Pa.
Pinnell, J. W., & Co., lbr. mfrs., 1920 N. Jersey, Indianapolis, Ind.
Pinyoun, F. C., & Son, portable fireproof garages, 2526 Carnegie av., Cleveland, Ohio.
Pioneer Alloy Products Co., Inc., 16601-11 Euclid Ave., Cleveland, O.
Pioneer Asphalt Co., Lawrenceville, Ill.

PIONEER AUTO HEATER CO., THE, Madison Road & N. W. R. R., Cincinnati, O.

Pioneer Boat & Pattern Co., Bay City, Mich.
Pioneer Boiler & Mach. Works, 1226 Palmetto St., Los Angeles, Calif.
Pioneer Box Co., Crawfordsville, Ind.
Pioneer Brass Works., castings, 1531 E. 32d, Los Angeles, Calif.
Pioneer Brass Works, 1102 E. 23rd St., Indianapolis, Ind.
Pioneer Brick & Tile Co., Rowell Bldg., Fresno, Calif.
Pioneer Broom Co., Amsterdam, N. Y.
Pioneer Brush Washing Machine Co., clothes washing machines, New Kensington, Pa.
Pioneer Canning Co., St. Henry, Ohio.
Pioneer Canning & Pickling Co., St. Nazianz, Wis.
Pioneer Construction Co., 180 Jessie, San Francisco, Calif.
Pioneer Contr. Co., New Rochelle, N. Y.
Pioneer Cooperage Co., 2212 DeKalb St., St. Louis, Mo.
Pioneer Corp., clocks, house numbers & switch plates, 6309 Yale av., Chicago, Ill.
Pioneer Cotton Mills, twine, rope, wicks, Guthrie, Okla.
Pioneer Cut Glass Co., Carbondale, Pa.
Pioneer Electric Mine Lamp Co., 1415 Race St., Philadelphia, Pa.
Pioneer Electric Service Corp., 1847 Broadway, Brooklyn, N. Y.
Pioneer Fdry. Co., Ltd., Jackson, Mich.
Pioneer Flouring Mill Co., Island City, Ore.
Pioneer Furn. Co., Dept. H, Eau Claire, Wis.
Pioneer Granite Co., St. Cloud, Minn.
Pioneer Guano Co., Albany, Ga.
Pioneer Hatchery, incubators, 444 N. Andrews Blvd., Los Angeles, Calif.
Pioneer Instrument Co., 754 Lexington av., Brooklyn, N. Y.
Pioneer Iron Co., blast furnaces, Cleveland, Ohio.
Pioneer Iron Wks., machsts. & fndrs., 149 Pioneer, Brooklyn, N. Y.
Pioneer Iron & Wire Works Co., 1435 Market St., Denver, Colo.
Pioneer Knitting & Mfg. Co., sweaters, cardigans, etc., 202 S. 15th, Philadelphia, Pa.
Pioneer Lumber & Creosoting Co., Ensley, Ala.
Pioneer Lumber Co., White Bldg., Seattle, Wash.
Pioneer Mach. & Engraving Co., Merwin av., Cleveland, Ohio.
Pioneer Mfg. Co., soaps, sweeping compounds, etc., 3053H E. 87th, Cleveland, Ohio.
Pioneer Mfg. Co., Middlebury, Ind.
Pioneer Mfg. Co., Waterloo, Ia.
Pioneer Marble & Granite Wks., stone producers, El Paso, Tex.
Pioneer Mercantile Co., masons' & bldrs.' matls., Bakersfield, Calif.
Pioneer Metal & Glass Sign Co., 423 Hayes, San Francisco, Calif.

PIONEER MOTOR BEARING CO., Eddy, at Van Ness av., San Francisco, Calif.

Pioneer Novelty Mfg. Co., 1212 Broadway, New York.
Pioneer Paper Co., 217 S. Los Angeles, Los Angeles, Calif.
Pioneer Pearl Button Co., Poughkeepsie, N. Y.
Pioneer Plate & Window Glass Co., 1026 Mission, San Francisco, Calif.
Pioneer Pole & Shaft Co., Piqua, O.
Pioneer Rubber Mills, 68 Sacramento, San Francisco, Calif.
Pioneer Sand & Gravel Co., Seattle, Wash.
Pioneer Soap Co., Dayton, O.
Pioneer Tractor Mfg. Co., engines, Winona, Minn.
Pioneer Tent & Awning Co., Boise, Idaho.

PIONEER WIRE WORKS, bathroom fixtures, etc., 133-135 Federal, Camden, N. J.

Pioneer Wrecking & Constr. Co., Oakland, Calif.
Pipe & Contractors Supply Co., Franklin Square, New York.
Pipe Machinery Co. The, 939 E. 70th St., Cleveland, O.
Pipe Railing Construction Co., 79 6th, Long Island City, N. Y.
Pipe Tube Bending Corp. of Am., 33 Grafton, Newark, N. J.
Piper & Clark, starch mfrs., Sherman Mills, Me.
Piper Bros., plbrs. supplies, 112 Brunswick av., Trenton, N. J.
Piper Co., Ltd., Hiram L., Montreal, Can.
Piper, J. A., Roofing Co., slasher hoods, etc., Greenville-S. C.
Piqua Blower & Engineering Co., Piqua, O.
Piqua Bracket Co., Piqua, Ohio.
Piqua Cap Co., Piqua, O.
Piqua Flour Co., Piqua, Ohio.
Piqua Handle & Mfg. Co., Piqua, O.
Piqua Milling Co., flour, Piqua, Ohio.
Piqua Paper Box Co., scrap iron, Piqua, Ohio.
Pirie, Jas K., Graniteville, Vt.
Pirring Mfg. Co., corn brooms & floor brushes, 4436 Greenview av., Chicago, Ill.
Pirsch & Sons Co., Peter, Kenosha, Wis.
Pisani Bros., marble & mosaic cube imptrs., 815 Vernon av., Astoria, Long Island City, N. Y.
Pisciotta, L., 565 E. Tremont av., New York.
Piston Ring Co., Muskegon, Mich.
Pit & Quarry, trade journal, 538 S. Clark, Chicago, Ill.
Pitard, R. D., Hdwe. Co., whol. hdwe., 115 Chartres, New Orleans, La.
Pitard Saxton Hardware Co., Inc., New Orleans, La.
Pitcairn Varnish Co., (See Patton-Pitcairn Division.
Pitegoff Bros., brushes, 524 B'way, New York.
Pitkin, Wm., Jr., 82 St. Paul, Rochester, N. Y.
Pitkin, Inc., Lucius, 47 Fulton St., New York.
Pitman & Brown Co., contrs., Phillips School, Washington sq., Salem, Mass.
Pitman, Ernest W., Co., contrs., Lawrence, Mass.
Pitman-Moore Co., Inc., 111 N. Capitol Ave., Indianapolis, Ind.
Pitney-Bowes Postage Meter Co., Stamford, Conn.
Pitometer Co., 50 Church St., New York.
Pitt & Scott, Inc., 55 Front St., New York.
Pitt Car Gate Co., 548 W. 27th St., New York.
Pitt Composite Iron Works, Inc., The Wm. R., 548 W. 27th St., New York.
Pitt Constr. Co., Fulton Bldg., Pittsburgh, Pa.
Pitt Engineering Co., 120 W. Kinzie St., Chicago.
Pittard, John T., fertilizer mfrs., Winterville, Ga.
Pittman Constr. Co., Atlanta, Ga.
Pitto-Noyes Co., 112 E. 5th St., Austin, Tex.
Pitts & Giles, lbr., Glen Alpine, N. C.
Pitts & Kitts Mfg. & Supply Co., 342 Madison Ave., New York.
Pitts, A. L., Slate Co., Arvonia, Va.
Pitts Co., contrs., 58 E. Park av., Newark, N. J.
Pittsburg Boiler & Machine Co., The, Pittsburg, Kans.
Pittsburg Cotton Oil Co., meal, Pittsburg, Tex.
Pittsburg Fndy. & Mach. Co., Pittsburg, Tex.
Pittsburg Paving Brick Co., Pittsburg, Kan.
Pittsburg Zinc Co., Pittsburg, Kan.
Pittsburgh & Erie Coal Co., bituminous, Erie, Pa.
Pittsburgh & Ohio Mining Co., Rockefeller Bldg., Cleveland, O.
Pittsburgh & Phila. Oil & Refining Co., Camden, N. J.
Pittsburgh Air Tight Door Sill Co., weather strips, Liberty & Short, Pittsburgh, Pa.
Pittsburgh Annealing Box Co., May Bldg., Pittsburgh, Pa.
Pittsburgh Block & Mfg. Co., 818 South Ave., Pittsburgh, Pa.
Pittsburgh Bldg. Co., 787 5th av., New York.
Pittsburgh Brake Shoe Co., Farmers Bank Bldg., Pittsburgh, Pa.
Pittsburgh Brass Mfg. Co., Penn Ave. and 32nd St., Pittsburgh, Pa.
Pittsburgh Bridge & Iron Works, Rochester, Pa.

PITTSBURGH BRUSH COMPANY, Factory and General Office, 207 & 9 West Canal St., Pittsburgh, Pa.
Pres.—John F. Miller.
Treas. & Secy.—C. B. Miller.
Cleveland—C. V. Jacobs.

Pittsburgh-Callery Brick Co., Wabash Bldg., Pittsburgh, Pa.
Pittsburgh Can Co., steel kegs, 61 Bridge, Pittsburgh, Pa.
Pittsburgh Carbon Brush Co., 512 E. Diamond, Pittsburgh, Pa.
Pittsburgh, Cincinnati, Chicago & St. Louis R. R. Shops, machsts., Terre Haute, Ind.
Pittsburgh Clay Pot Co., glass house supplies, 1261 Reedsdale, Pittsburgh, Pa.
Pittsburgh Clay Products Co., brick, Keenan Bldg., Pittsburgh, Pa.
Pittsburgh Coal of Penn., coke mfrs., Oliver bldg., Pittsburgh, Pa.
Pittsburgh Coal Co., 12 N. 3d, Columbus, Ohio.
Pittsburgh Coal Co. of Wis., Garfield av., Duluth, Minn.
Pittsburgh Coal Washer Co., Fulton Bldg., Pittsburgh, Pa.
Pittsburgh Cold Rolled Steel Co., Inc., Plum St., Verona, Pa.
Pittsburgh Construction Co., Diamond Bank bldg., Pittsburgh, Pa.
Pittsburgh Crushed Steel Co., 61st & A. V. R. R., Pittsburgh, Pa.
Pittsburgh Corrugated Paper Box Co., 1414-1434 Spring Ave., Pittsburgh, Pa.
Pittsburgh Crane & Equipment Co., 19th St., Pittsburgh, Pa.
Pittsburgh Crucible Steel Co., Empire Bldg., Pittsburgh, Pa.

PITTSBURGH-DES MOINES STEEL CO., 804 Curry Bldg., Pittsburgh, Pa.
Pres.—W. H. Jackson.
V. P.—W. W. Hendrix.
Secy. & Treas.—G. A. Smith.
Chatham, Ont., Can.—206 Inshes Ave., Canadian Des Moines Steel Co., Ltd., W. A. DaLee.
Chicago—1206 1st National Bank Bldg., Max Whitacre.
Dallas, Tex.—1206 Practorian Bldg., O. D. De Hart.
Des Moines, Ia.—906 Tuttle St., A. C. Pearsall.
Detroit, Mich.—1106 Book Bldg., M. P. Cogswell.
Montreal, Que.—70 St. James St., A. P. Blackburn.
New York—206 Hudson Terminal, J. E. O'Leary.
Richmond, Va.—1211 Virginia Ry. & Power Bldg., I. A. Bickelhaupt.
San Francisco, Cal.—306 Rialto Bldg., F. W. Hutch.

Pittsburgh Electric Furnace Corp., Union Bank Bldg., Pittsburgh, Pa.
Pittsburgh Electrical & Machine Wks., Barker Pl., Pittsburgh, Pa.
Pittsburgh Electro-Galvanizing Co., Fifth St. & P. R. R., Sharpsburg Station, Pittsburgh, Pa.
Pittsburgh Emery Wheel Co., see Pittsburgh Grinding Wheel Co. (successors).
Pittsburgh Fluid Co., 255 S. Pacific St., Pittsburgh, Pa.
Pittsburgh Foundry & Machine Co., ft. 36th, Pittsburgh, Pa.

PITTSBURGH FORGE & IRON CO., 1306 Chamber of Commerce Bldg., Pittsburgh, Pa.
Pres.—F. E. Richardson.
Secy. & Treas.—W. I. Miller.
Boston, Mass.—53 Oliver St., Sherburne & Co.
Chicago—Railway Exchange Bldg., R. A. Dugan.
New York—452 Lexington Ave., Natl. Railway Appl. Co.

Pittsburgh Furnace Co., 217 Sycamore St., Milwaukee, Wis.
Pittsburgh Gage & Supply Co., Thirtieth and Liberty Sts., Pittsburgh, Pa.
Pittsburgh Gas Coal Co., bituminous, Punxstawney, Pa.
Pittsburgh Gas & Elec. Fixture Co., 428 Penn., Pittsburgh, Pa.

PITTSBURGH GEAR & MACHINE CO. (manufacturers of cut gears of all descriptions), 27th & Smallman Sts., Pittsburgh, Pa.

Pittsburgh Glove Mfg. Co., 413 S. Main St., Pittsburgh, Pa.
Pittsburgh Grinding Wheel Co., Rochester, Pa.
Pittsburgh Harness Supply Co., 325 Penn Ave., Pittsburgh, Pa.
Pittsburgh Hardwood Floor Co., sash, door & blind, Park Bldg., Pittsburgh, Pa.
Pittsburgh Heating Co., 8 Wood, Pittsburgh, Pa.
Pittsburgh High Voltage Insulator Co., Derry, Pa. (Now Westinghouse High Voltage Insulator Co.)
Pittsburgh Incinerator Mfg. Co., garbage disposal plants, 231 1st av., Pittsburgh, Pa.
Pittsburgh Instrument & Machine Co., 40 Water St., Pittsburgh, Pa.
Pittsburgh Insulating Co., 96 43rd St., Pittsburgh, Pa.
Pittsburgh Iron & Steel Foundries Co., Midland, Pa.
Pittsburgh Iron Works, machinsts. & fndrs., 2170 Bedford av., Pittsburgh, Pa.

PITTSBURGH KNIFE & FORGE CO., Coraopolis, Pa.
Pres.—E. Hodge, Jr.
V. P.—F. E. Brown; W. H. Schoen, Jr.
Sec.—J. G. Bassett.
Treas.—A. R. Bassett.

Pittsburgh Lamp, Brass & Glass Co., machsts. & fndrs., Locust & River, Pittsburgh, Pa.
Pittsburgh Limestone Co., New Castle, Pa.
Pittsburgh Lbr. Co., Braemar, Tenn.
Pittsburgh Mach. Co., New Brighton, Pa.
Pittsburgh Machine Tool Co., Braddock, Pa.
Pittsburgh Machy. & Equipment Co., Fulton Bldg. Pittsburgh, Pa.
Pittsburgh Machine & Supply Co., 242 3rd Ave., Pittsburgh, Pa.
Pittsburgh Machine Tool Co., Braddock, Pa.
Pittsburgh Malleable Iron Co., 34th and Smallman Sts., Pittsburgh, Pa.
Pittsburgh Metal Bed Co., 1130 Brown, Pittsburgh, Pa.
Pittsburgh Metal Brazing Co., elec. welding, 2939 Smallman, Pittsburgh, Pa.
Pittsburgh Metallurgical Co., Niagara Falls, N. Y.
Pittsburgh Meter Co., East Pittsburgh, Pa.
Pittsburgh Mining Machy. Co., Wabash Bldg., Pittsburgh, Pa.
Pittsburgh Model Engine Co., Lexington Ave., Pittsburgh, Pa.
Pittsburgh Nipple & Mfg. Co., 30 Carson, Pittsburgh, Pa.
Pittsburgh Oil Refining Corp., 32 South St., Baltimore, Md.
Pittsburgh Ornamental Iron Co., S. 20th & Wharton, Pittsburgh, Pa.
Pittsburgh Orthopedic Co., artificial limbs, 635 Liberty av., Pittsburgh, Pa.
Pittsburgh Paint Supply Co., 617 Liberty, Pittsburgh, Pa.
Pittsburgh Paper Box Co., Vanadium Bldg., Pittsb., Pa.

PITTSBURGH PIPING & EQUIPMENT CO., 35th and Charlotte Sts., Pittsburgh, Pa.
Pres.—George H. Danner.
V. P. & Treas.—Chas. R. Rall.
Secy.—W. R. Neely.
Birmingham, Ala.—American Trust Bldg., Kelser-Geismer Engineering Co.
Chicago—Peoples Gas Bldg., Berford Brittain.
Cleveland, O.—American Trust Bldg., A. Brodie.
Indianapolis, Ind.—Traction Terminal Bldg., George Smith.
New York—St. Paul Bldg., D. G. Sinclair, M. E.
San Francisco, Cal.—Monadnock Bldg., Thos. Dredge.

Pittsburgh Plate Glass Co., Frick Bldg., Pittsburgh, Pa.
Pittsburgh Plate Glass Co., Columbia Chemical Division, Barberton, Ohio.

PITTSBURGH PLATE GLASS CO., Paint & Varnish Division, 213 Lake St., Milwaukee, Wis. Distributing Stocks in 48 Leading Cities

Akron, O.	Jacksonville, Fla.
Albany, N. Y.	Kansas City, Mo.
Atlanta, Ga.	Long Island City, N. Y.
Baltimore, Md.	Los Angeles, Cal.
Birmingham, Ala.	Memphis, Tenn.
Boston, Mass.	Minneapolis, Minn.
Brooklyn, N. Y.	New Haven, Conn.
Buffalo, N. Y.	New Orleans, La.
Chicago	Oklahoma City, Okla.
Cincinnati, O.	Omaha, Nebr.
Cleveland, O.	Philadelphia, Pa.
Columbus, O.	Pittsburgh, Pa.
Dallas, Tex.	Rochester, N. Y.
Davenport, Ia.	Savannah, Ga.
Denver, Colo.	San Antonio, Tex.
Des Moines, Ia	St. Louis, Mo.
Detroit, Mich.	St. Paul, Minn.
Ft. Werth, Tex.	San Francisco, Cal.
Grand Rapids, Mich.	Seattle, Wash.
High Point, N. C.	Shreveport, La.
Houston, Tex.	Tampa, Fla.
Indianapolis, Ind.	Toledo, O.

New York Office—16 E. 40th St.
Export Office—Foot of Chester Ave., Newark, N. J.
Factories:
Newark, N. J.
Portland, Ore.
Milwaukee, Wis.

Pittsburgh Plate Glass Co. (Red Wing Linseed Div.), linseed oil, Red Wing, Minn.

PITTSBURGH PLATE GLASS COMPANY, Rennoues-Kleinle Division, 3221-29 Frederick Ave., Baltimore, Md.
Factories—3221-29 Frederick Ave., Baltimore, Md.
Sales Department—3221-29 Frederick Ave., Baltimore, Md.
Mgr. of Brush Sales—John Henry Coon.
Representatives:—
Denver, Colo.—26th & Blake St., J. E. Ebersole.
Portland, Ore.—408-409 Gerlinger Bldg., Ernest H. Morgan Co., Inc.
San Francisco, Cal.—985 Mission St., Edgar S. Browning.
Warehouse Stocks in the following cities:—

Akron, O.	Jacksonville, Fla.
Albany, N. Y.	Kansas City, Mo.
Atlanta, Ga.	Long Island City, N. Y.
Baltimore, Md.	Memphis, Tenn.
Birmingham, Ala.	Milwaukee, Wis.
Boston, Mass.	Minneapolis, Minn.
Brooklyn, N. Y.	Newark, N. J.
Buffalo, N. Y.	New Haven, Conn.
Chicago.	New Orleans, La.
Cincinnati, O.	Omaha, Nebr.
Cleveland, O.	Oklahoma City, Okla.
Columbus, O.	Philadelphia, Pa.
Dallas, Tex.	Pittsburgh, Pa.
Davenport, Ia.	Rochester, N. Y.
Denver, Colo.	San Antonio, Tex.
Des Moines, Ia.	Savannah, Ga.
Detroit, Mich.	St. Louis, Mo.
Ft. Worth, Tex.	St. Paul, Minn.
Grand Rapids, Mich.	Toledo, O.
High Point, N. C.	Washington, D. C.
Houston, Tex.	

Pittsburgh Plumbing & Heating Co., supplies, 6310H Penn, Pittsburgh, Pa.
Pittsburgh Pneumatic Co., The (Now The Canton Pneumatic Tool Co.), Canton, Ohio.
Pittsburgh Power-Reverse Gear Co., 307 Cremo St. Pittsburgh, Pa.
Pittsburgh Provision & Packing Co., Union Stock Yards, Pittsburgh, Pa.
Pittsburgh Pump Co., force pumps, 20 4th, Pittsburgh, Pa.
Pittsburgh Reflector & Illuminating Co., Bowman Bldg., 3rd and Ross Ave., Pittsburgh, Pa.
Pittsburgh Reinforced Brazing & Mach. Co., 2515 Liberty, Pittsburgh, Pa.
Pittsburgh Rivet Co., 33th & Junction R. R., Pittsburgh, Pa.

PITTSBURGH ROLLS CORP., 41st & Willow Sts., Pittsburgh, Pa.

Pittsburgh Safe Co., Connellsville, Pa.
Pittsburgh Scrap Iron Co., second hand pipe, S. 20th & Wharton, Pittsburgh, Pa.
Pittsburgh Screw & Bolt Co., Preble Ave., N. S., Pittsburgh, Pa.
Pittsburgh Screw Machine Products Co., 45 S. Main St., Pittsburgh, Pa.
Pittsburgh Seamless Tube Co., Beaver Falls, Pa.
Pittsburgh Sheet Metal Co., cornices & skylights, S. 20th & Wharton, Pittsburgh, Pa.

PITTSBURGH SHOVEL COMPANY, THE, 1833 Oliver Bldg., Pittsburgh, Pa.
Pres.—W. S. Horner.
V. P. & Gen. Mgr.—Vaughan Horner.
Treas.—G. S. Phillips.
Sec. & Mgr. of Sales—C. B. Steffey.
Supt.—W. A. Shuster.

Pittsburgh Smelting & Refining Co., Inc., Elisabeth St. & B. & O. R. R., Pittsburgh, Pa.
Pittsburgh Spring & Steel Co., Farmers' Bank Bldg., Pittsburgh, Pa.
Pittsburgh Stamp Company, Inc., 311-315 S. Canal St., Pittsburgh, Pa.
Pittsburgh Stained Glass Works (see Petgen Co., successors).
Pittsburgh Steel Company, Union Arcade, Pittsburgh, Pa.
Pittsburgh Steel Foundry Co., House Bldg., Pittsburgh, Pa.

PITTSBURGH STEEL PRODUCTS CO., 325 Union Trust Bldg., Pittsburgh, Pa.
Pres.—Emil Winter.
Secy. & Treas.—W. C. Reitz.
Gen. Sales Mgr.—Richard R. Harris.
Chicago—McCormick Bldg., Charles F. Palmer, Mgr.
Detroit, Mich.—General Motors Bldg., Morris Landon, Mgr.
New York—Equitable Bldg., J. A. Voelker, Mgr.
Distributors:
ILL.—Chicago—Edgar T. Ward's Sons Co., Lafayette 7600.
MASS.—Boston—Edgar T. Ward's Sons Co., Main 7770.
N. Y.—New York—Edgar T. Ward's Sons Co., Canal 4100.
PA.—Philadelphia—Edgar T. Ward's Sons Co., Tioga 8640.

Pittsburgh Steel Tube Co., Beaver, Pa.
Pittsburgh Supply Co., mill & mine supplies, 244 1st av., Pittsburgh, Pa.
Pittsburgh Taximeter Co., Mfrs.' Bldg., Pittsb., Pa.
Pittsburgh Terminal Railroad & Coal Co., bituminous, Wabash Bldg., Pittsburgh, Pa.
Pittsburgh Testing Laboratory, 7th & Bedford Sts., Pittsburgh, Pa.
Pittsburgh Tinware Mfg. Co., Bidwell, Pittsburgh, Pa.
Pittsburgh Tool Steel Wire Co., Monaca, Pa.
Pittsburgh Transformer Co., Columbus & Preble Aves., Pittsburgh, Pa.
Pittsburgh Trolley & Forge Co., 111-117 Water St., Pittsburgh, Pa.
Pittsburgh Trunk Co., 1041 Gibbon, Pittsburgh, Pa.
Pittsburgh Tube Co., Monaca, Pa.
Pittsburgh Typewriter & Supply Co., 339 Fifth Ave., Pittsburgh, Pa.
Pittsburgh Valve & Fittings Co., Barberton, O.

PITTSBURGH VALVE, FOUNDRY & CONSTRUCTION CO., 26th St. & A. V. R. R., Pittsburgh, Pa.
Pres.—Chas. A. Anderson.
V. P. & Gen Mgr.—J. Roy Tanner.
V. P. & Sales Mgr.—C. A. Anderson, Jr.
Sec. & Treas.—Samuel G. Patterson.
Auditor—A. Roy Carson.
Boston, Mass.—19 Milk St.
Chicago—650 McCormick Bldg.
Cleveland, O.—1250 Rockefeller Bldg.
Detroit, Mich.—152 E. Woodbridge St.
New York—30 Church St.
Philadelphia, Pa.—1323 Widener Bldg.

Pittsburgh Varnish Co., 2640 Liberty av., Pittsb., Pa.
Pittsburgh Wall Paper Co., New Brighton, Pa.
Pittsburgh Waste Co., Swissvale, Pa.
Pittsburgh Water Heater Co., Jenkins Bldg., Pittsburgh, Pa.
Pittsburgh Waterproof Co., wagon covers, etc., 435 Liberty av., Pittsburgh, Pa.
Pittsburgh White Metal Co., 3116 Penn Ave., Pittsburgh, Pa.
Pittsburgh White Sand Co., Farmers' Bk. Bldg., Pittsburgh, Pa.
Pittsburgh Wire Rope Co., Verona, Pa.
Pittsburgh Wood Preserving Co., Century Bldg., Pittsburgh, Pa.
Pittsburgh's Plumbing House, plbrs. supplies, Pittsburgh, Pa.
Pittsfield Junk Co., scrap rubber, Pittsfield, Mass.
Pittsfield Lime Co., Richmond, Mass.
Pittsfield Machine Tool Co., clothes washing machy., Pittsfield, Mass.
Pittston Iron Roofing Co., Pittston, Pa.
Pittston Stove Co., Pittston, Pa.
Pixley Safe Co., Toledo, Ohio.
Piza, Nephews & Co., crude rubber, 24 Stone, New York.
Placer County Growers' Assn., canned goods, Lincoln, Calif.
Plack Carriage Wks., Galion, Ohio.

PLAMONDON MFG. CO., A., 5000 S. Western Blvd., Chicago.
Pres. & Treas.—J. T. Benedict.
Sec.—James E. Higgins.

Plain Canning Co., Plain City, Ohio.
Plains Iron Works Co., indust. cars., 8th & Larimer, Denver, Colo.
Planetlite Co., Inc., 342 Madison Ave., New York.
Plainfield Brass Fndry., Plainfield, N. J.
Plainfield Pattern Works, Plainfield, N. J.
Plainville Canning Co., Plainville, Ind.
Plampin Lithograph Co., adv. signs, 132 King, New York.
Plane, I. C., cornices & skylights, Independence, Ia.
Planert, F. W., & Son, ice skates, 941 N. Robey, Chicago, Ill.
Planet Co., auto trunks, halters, etc., Westfield, Mass.
Planett Mfg. Co., staples and oven racks, 1111 E. 12th, Oakland, Calif.
Planing Mill Co., sash, door & blinds, Roaring Springs, Pa.
Plankinton Packing Co., Muskego Ave. and Canal St., Milwaukee, Wis.
Plano Tractor Co., Plano, Ill.
Plant Co., Thomas G., (Shoes), Boston 20, Mass.
Plant City Composite Brick Co., Plant City, Fla.
Plant Engr'g & Equipment Co., Inc., 62 Summitt St., Brooklyn, N. Y.
Plant Rubber & Asbestos Works, 537 Brannan, San Francisco, Cal.
Plant Rubber Co., 322 1st Ave., N., Minneapolis, Minn.
Plant, Theis & Gould Paper Co., 30 N. La Salle St., Chicago.
Planten, H., & Son, capsules, 93 Henry, Brooklyn, N.Y.
Planters' Chemical & Oil Co., Talladega, Ala.
Planters' Cotton Oil Co., Augusta, Ga., & Montgomery, Ala.
Planters' Cotton Oil & Fertilizer Co., Rocky Mount, N. C.
Planters' Fertilizer & Chemical Co., acid phosphate, Carondelet Bldg., New Orleans, La.
Planters' Fertilizer Co., Flowery Branch, Macon, & Tennville, Ga.
Planters' Fertilizer & Live Stock Co., Buena Vista, Ga.
Planters' Fertz. & Phosphate Co., Charleston, S. C.
Planters' Hardware & Mill Supply Co., Ltd., Thibodeaux, La.
Planters Lumber Co., Ltd., Jeanerette, La.
Planters' Mfg. Co., crates, fruit package & wood boxes, Portsmouth, Va.
Planters' Oil Co., Albany, Ga.
Planters' Oil & Fertilizer Co., Lilly, Ga.
Planters' Oil Mill, Tunica, Miss.
Planters' Oil Mill & Gin Co., fertilizer mfrs., Kosciusko, Miss.
Planters' Warehouse & Commission Co., fertilizer mfrs., Eutaw, Ala.
Planters' Warehouse Co., fertilizer, Reynolds, Ga.
Planters' Warehouse & Loan Co., Fitzgerald, Ga.
Plaquemine Brickyard, Plaquemine, La.
Plaquemine Stave & Heading Co., Ltd., Plaquemine, La.
Plass Company, L., 130 Pearl St., New York.
Plastergon Wallboard Co., 196 Philadelphia St., Buffalo, N. Y.
Plastic-Rok Co., stucco, Springfield, Ohio.
Plastic Relief Mfg. Co., The, 1959 Fulton St., Chicago.
Plastone Co. (see Dohrman-Walker Co., successor).
Plastone Co., drain boards, sanitary flooring, etc., 461 E. 3d, Los Angeles, Calif.
Platner Bros., lbr., Omaha, Neb.
Platt & Co., John, 2 Rector St., New York.
Platt & Co., Key Highway, Baltimore, Md.
Platt & Co., lbr., Onancock, Va.
Platt & Thornburgh Paint Co., 620 Franklin, St. Louis, Mo.
Platt, Addison J., agricultural implements, Sterling, Ill.
Platt Bros. & Co., fndrs., Platt Mill, Waterbury, Conn.
Platt Bros. Co., Waterbury, Conn.
Platt, Chas. A., landscape architect, 101 Park av., New York.
Platt, Chas. S., Co., silver solder, 31 Gold, New York.
Platt, Clarence B., stone, Bridgeton, N. J.
Platt Co., Van Meter, Ia.
Platt, Frank S., Co., fertilizer mfrs., 450 State, New Haven, Conn.
Platt, Geo. A., children's carriages, 489 5th av., Brooklyn, N. Y.
Platt, Hy. B., disinfectants, etc., 120 B'way, New York.

PLATT IRON WORKS CO., 433 Keowee, Dayton, O.

Platt, Wm. L., Constr. Co., Paterson, N. J.
Platte Valley Cement Tile Mfg. Co., Fremont, Neb.
Plattner Mfg. Co., machsts., 1453 Wazee, Denver, Colo.
Plattsburg Foundry & Machine Co., Plattsburg, N. Y.
Plattsburg Wall Paper Co., Plattsburg, N. Y.
Plaut & Co., L., 432 E. 23rd St., New York.
Play-O-Lite Co., piano lamps, 31 N. Foster, Worcester, Mass.
Plaza Music Co., talkg mach., 10 W. 20th, New York.
Pleasant Grove Canning Co., Pleasant Grove, Utah.
Pleasant River Granite Co., Addison, Me.
Plessinger Lbr. Co., Carlton, Wash.
Plew & Motter Co., Dept. of The Workman Mfg. Co., Racine Ave. and Monroe St., Chicago.
Plews, R., Mfg. Co., cornices, Central Falls, R. I.
Plimpton & Hills Corp., mill, facty. & plumbers' supplies, 6 Ann, Hartford, Conn.
Plimpton Elevating Truck Co., see Plimpton Truck Co. (successors).
Plimpton, J. E., & Co., machsts. & fndrs., Norwood, Mass.
Plimpton Mfg. Co., plain envelopes, 6 Ann, Hartford, Conn.
Plimpton Press, Norwood, Mass.
Plimpton Truck Co., Stamford, Conn.
Plocher, Andrew, Sons Co., arch. iron wks., Dayton, O.
Plomb Tool Mfg. Co., 2209 Santa Fe av., Los Angeles, Calif.
Plomo Specialty Mfg. Co., 321 Electric Bldg., Cleveland, O.
Plont Mfg. Co., lbr., Marysville, Wash.
Plotz, Wm., machst., 401 Champlain av. N. W., Cleveland, Ohio.
Plum Point Canning Co., Plum Point, Md.
Plumb, Fayette R., chisels & guages, 4837 James, Philadelphia, Pa.

PLUMB, D. S. (Mech. Instruments), 73-77 Norfolk nr. Central av., Newark, N. J.

Plumb, Inc., Fayette R. Tucker & James Sts., Philadelphia, Pa.
Plumbers' & Factory Supply Co., 33 E. Spring, Columbus, Ohio.
Plumbers' Supply Co., Joplin, Mo.
Plumbers' Supply Co., 291 Halsey, Newark, N. J., & 433 Liberty av., Pittsburgh, Pa.
Plumbers' Trade Journal, 239 W. 39th, New York.
Plumbers' Woodwork Co., Algoma, Wis.
Plumbing & Heating Supply Co., Nashville, Tenn.
Plumbing & Mill Supply Co., 840 Baronne, New Orleans, La.
Plumbing Sales Co., plbrs. supplies, 735 W. Lake, Chicago, Ill.
Plumbing Supply Co., Sioux Falls, S. D.
Plume & Atwood Mfg. Co., 470 Bank St., Waterbury, Conn.
Plume, Edw. C., adv. signs, 2448 Prairie av., Chicago, Ill.
Plummer, C. M. & H. T., 50 Union Ave., Portland, Me.
Plummer Co., W. A., 37 Front St., San Francisco, Cal.
Plummer, Geo. E., & Son, sashes, doors & blinds, Alameda, Calif.
Plummer, Geo. L., lbr., Union, N. H.
Plump, G. H., & Sons, contrs., 1415 Mansfield, Cincinnati, Ohio.
Plumstead, Harry T., shoe patterns, Haverhill, Mass.
Plunket, J. E., Machine Co., 213-15 N. Ada, Chicago, Ill.
Plunkett, Chas., sink brushes & corn brooms, 118 Warren, New York.
Plunkett Chemical Co., 3500 S. Morgan St., Chicago.
Plunkett, Jas. E. (Gas Equip.), 1342 W. Lake St., Chicago.

PLUNKET MACHINE CO., J. E., 213-215 N. Ada, Chicago.

Plunkett-Webster Lbr. Co., Inc., 33 W. 42d, New York.
Plunkett, W. C., & Sons, warps, textile machy., Adams, Mass.
Plymouth Canning Co., Plymouth, Wis.
Plymouth Clay Products Co., Fort Dodge, Ia.
Plymouth Cordage Co., North Plymouth, Mass.
Plymouth Foundry Co., Plymouth, Mass.
Plymouth Fdy. & Machine Co., Plymouth, Wis.
Plymouth Gypsum Co., Ft. Dodge, Ia.
Plymouth Mfg. Co., 450 N. Hermitage Ave., Chicago.
Plymouth Mfg. Co., wire bound boxes, Plymouth, Ind.
Plymouth Milling Co., Le Mars, Iowa.
Plymouth Mills, fibre mattg., 15 E. 26th, New York.
Plymouth Mills, Plymouth, Mass.
Plymouth Paving & Constr. Co., 720 Plymouth av., Minneapolis, Minn.
Plymouth Rubber Co., cloths, heels, sheets, springs, etc., Canton, Mass.
Plymouth Stamped Metal Co., heel plates, shoe trees & hdwe., Galion, Ohio.

PNEUMALECTRIC CORPORATION, THE, Syracuse, N. Y.

Pneumatic Concrete Machy. Co., 2 Rector, New York.
Pneumatic Concrete Machinery Co., concrete mixers, Wilson av., Newark, N. J.
Pneumatic Corp., coal mining, 219 Wyoming, Syracuse, N. Y.
Pneumatic Cushion Co., auto springs, 179 Grove, San Francisco, Calif.
Pneumatic Elevator & Conveyor Co., 10 S. 18th St., Philadelphia, Pa.
Pneumatic Equipment Co., 294 Washington St., Boston, Mass.

PNEUMATIC GATE CO., 1933 S. Fairfield Ave., Chicago.
Pres. & Treas.—Wm. P. Elliott.
V. P. & Sec.—Wm. P. Elliott, Jr.

Pneumatic Mfg. Co., 124 Atlantic Ave., Brooklyn, N. Y.
Pneumatic Safety Valve Co., Woonsocket, R. I.
Pneumatic Scale Corp., Quincy, Mass.
Pneumatic Stamp Mfg. Co., rubber, 7H Henry, Binghamton, N. Y.
Pneumercator Company, Inc., 40 Flatbush Ave., Brooklyn, N. Y.

Pneuvac Co., hand vacuum cleaners, 164 Fremont, Worcester, Mass.
Po Ambo Chem. Co., napthylamine beta, Matawan, N. J.
Poage, R. C., Milling Co., flour, Ashland, Ky.
Poates Engraving Co., Inc., L. L., 73 Walker St., New York.
Pocahontas Fuel Co., Inc., Pocahontas, Va.
Pocahontas Fndry. & Mach. Co., Keystone, W. Va.
Pocahontas Guano Co., fertilizer mfrs., Lynchburg, Va.
Pocahontas Lbr. Co., Brookville, Pa., & Corinth, Miss.
Pocahontas Mining Co., coal, H, Boatms. Bk. Bldg., St. Louis, Mo.
Pocasset Mfg. Co., cotton sheetings, Pocasset, Fall River, Mass.
Pocher, B. H., & Co., contrs., 880 Main, Cambridge, Mass.
Pockels Drug, Glass & Paint Co., 2344 Gravois, St. Louis, Mo.
Pocket List of Railroad Officials, 424 W. 33rd St., New York.
Pocock, W. H., contractor, 1115 Gladstone, Detroit, Mich.
Pocock, W. S., Co., contrs., 1715 Chicago, Detroit, Mich.
Pocomoke Foundry & Machine Wks., Pocomoke City, Md.
Pocomoko Guano Co., fertilizer mfrs., Norfolk, Va.
Pocono Metal Mfg. Co., Inc., bathroom fixtures & stamping, East Stroudsburg, Pa.
Pocono Rubber Cloth Co., Trenton, N. J.
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Poe Hardware & Supply Co., Greenville, S. C.
Poeter, E., & Co., metal nov. & spec., 1168 S. Grove, Newark, N. J.
Poetsch & Peterson, leather, 3112 Army, San Francisco, Calif.
Poggensee Brush Co., bottle washers, 1923 Armitage av., Chicago, Ill.
Pohl, Geo. D., Mfg. Co., machsts. & fndrs., Vernon, N. Y.
Pohl, Jno., E., cornices, Lancaster, Pa.
Pohlman & Co., furniture, 522 Vermont av., Detroit, Mich.
Poindexter Supply Co., electrical fixtures, 1440 Stout, Denver, Colo.
Poinsett Lbr. & Mfg. Co., Truman, Ark.
Poinsette Engineering Co., Nelson Bldg., Newport, Ky.
Point Lobos Canning Co., Monterey, Calif.
Point Marion Glass Novelty Co., Point Marion, Pa.
Point Milling & Mfg. Co., Mineral Point, Mo.
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Pokorney & Co., B. W. (Brass Works), 134 S. Clinton St., Chicago.
Pokorny & Sons, Ltd., M., New Orleans, La.
Polacheck & Bro. Co., Chas., 217 3rd St., Milwaukee, Wis.
Polachek Bronze & Iron Co., John, 476-494 Hancock St., Long Island City, N. Y.
Polack Co., bristles, horse & goat hair, 249 Pearl, New York.
Polack Tyre & Rubber Co., 527 W. 23d, New York.
Polan, Katz & Co., umbrella mfrs., 2 Market pl., Baltimore, Md.
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Polk, T. H. & M. C., contrs., Chico, Calif.
Polk, W. C., flour mill, Hindsville, Ark.
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Pollack, Max, archtl. & ornamental iron, 505 E. 76th, New York.
Pollack Trunk Co., Henry, Dallas, Tex.
Pollack-Week Co., Inc., potato flour & karaya gums, 147 Hudson, New York.
Pollak Steel Co., 80 E. Jackson, Chicago, Ill.

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Popp, Jas., buttons, 29 S. Clinton, Chicago, Ill.
Poppenberger, Wm., & Son, contrs., 735 York st., St. Paul, Minn.
Popper-Addison Co., The, 118 E. Court St., Cincinnati. O.
Popper & Sons, Leo., 143 Franklin St., New York.
Popple & Knowles Co., cornices & skylights, Seattle, Wash.
Popplein, G. & N., paint & varnish mfrs., 220 Guilford, Baltimore, Md.
Popular Mechanics Magazine, trade publication, 200 E. Ontario, Chicago, Ill.
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Port Engineering Works, plate hooks, 411 Van Brunt, Brooklyn, N. Y.
Port Gibson Oil Wks., Port Gibson, Miss.
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Porter Safety Seal Co., 163 W. Harrison St., Chicago.
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Portland Paper Box Co., 92 Front, Portland, Ore.
Portland Plumbing Supply Co., 192 1st, Portland, Ore.
Portland Products Co., canned goods, South Portland, Me.
Portland Railway Light & Power Co., Portland, Ore.
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Portsmouth Chemical Co., Portsmouth, Ohio.
Portsmouth Construction Co., Portsmouth, Ohio.
Portsmouth Contractors Supply Corp., Portsmouth, Va.
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Post Publishing Co., pads & tablets, Appleton, Wis.
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Post's, John C., Sons, glass, 52 S. Division, Buffalo, N. Y.
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Poston, B. C., Mfg. Co., furniture, Dept. H, Chillicothe, Ohio.
Poston, Clarence E., brick, Attica, Ind.
Poston Mfg. Co., The B. C., Chillicothe, O.
Poston Paving Brick Co., Crawfordsville, Ind.
Poston Baler Co., paper, Chillicothe, Ohio.
Postscript Company, Inc., Utica, N. Y.
Postum Cereal Co. (Ltd.), foods, Battle Creek, Mich.
Postville Clay Products Co., brick, Postville, Ia.
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Potdevin Machine Co., 1221 38th St., Brooklyn, N. Y.
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Potomac Fire Brick Co., Piedmont, W. Va.
Potomac Glass Co., Cumberland, Md.
Potomac Lime & Stone Co., Frederick, Md.
Potomac Milling & Ice Co., flour, Keyser, W. Va.

POTOSI TIE & LUMBER CO., 506 Olive St., St Louis, Mo.

Potsdam Milling Co., flour, Potsdam, N. Y.
Potsdam Red Sandstone Co., Potsdam, N. Y.
Potter & Johnston Machine Co., 1027 Newport Ave., Pawtucket, R. I.
Potter & Snell, glove buttoners, Deep River, Conn.
Potter & Wrightington, dog biscuits, Board of Trade bldg., Boston, Mass.
Potter, A. D., masons' & bldrs.' matls., Orange, Mass.
Potter, A. L., & Co., lumber, Norwich, Conn.
Potter, Alex., mill engineer, 50 Church, New York.
Potter Bros., bobbins, South Scituate, R. I.
Potter, C. D., Co., hdwe. mfrs. (piano), Stamford, Conn.
Potter, Collamore & Co., machsts., Warren, R. I.
Potter, F. M., heating contrs., Aberdeen, Wash.
Potter, Frank E., masons' & bldrs.' matls., River Point, R. I.
Potter, Fred J., machsts., New Brunswick, N. J.
Potter, H. J., lbr., Ridgefield, Wash.
Potter Hardware Co., Alpena, Mich.
Potter-Hoy Hardware Co., Bellefonte, Pa.
Potter, J. A., & Co., lbr., Crary, Providence, R. I.
Potter, Jos. R., & Co., lbr., 212 W. 28th, New York.
Potter, L. B., Co., 424 6th av., Scranton, Pa.
Potter, M. H., & Sons, masons' & bldrs.' matls., Morrison, Ill.
Potter Mfg. Co., hardware specialties, Geneva, Ohio.
Potter-Morgan Mfg. Co., machsts., Fishkill-on-the-Hudson, New York.
Potter, P. W., & Co., sashes, doors & blinds, Silverton, Ore.
Potter Printing Press Co., Plainfield, N. J.
Potter Radiator Corp., gas heaters, 5956 Pasadena av., Los Angeles, Calif.
Potter, Robert, ladders, Orwell, N. Y.
Potter-Shackelford, Inc., contrs., Grenville, S. C.
Potter, Sons & Co. (Inc.), Thos., 25 Madison Ave., Philadelphia, Pa.
Potter-Strutz Radiator Corp., gas heaters, 5956 Pasadena, Los Angeles, Calif.
Potter Tool & Machine Works, S. A., 79 E. 130th St., New York.
Potter, V. W., mach. & fndr., Oelwein, Ia.
Potter, Wm., stone producers, Ansonia, Conn.
Potter, Wm., Co., pump valves, 430 E. 3d, Los Angeles, Calif.
Potters Co-Operative Co., china, East Liverpool, Ohio.
Potters Mining & Milling Co., East Liverpool, Ohio.
Potters Supply Co., East Liverpool, Ohio.
Potterton Bros., contractors, 215 W. 28th, New York.
Potts & Co., C. & A., Indianapolis, Ind.
Potts & Co., Horace T., Erie & D Sts., Philadelphia, Pa.
Potts Bros., glass bevelers & embossers, 256 Hudson, New York.
Potts Co., D. H., Lancaster, Pa.
Potts, Hy., & Co., steel merchants, etc., Real Estate Trust bldg., Philadelphia, Pa.
Potts Mfg. Co., machsts. & fndrs., Mechanicsburg, Pa.
Potts, R. L., & Son, flour mills, White's Station, Ky.
Potts, Son & Co., Inc., W. F., 1224 Cherry St., Philadelphia, Pa.
Potts, Wm. A., Co., contractors, Law bldg., Baltimore, Md.
Pottstown Mach. Co., Pottstown, Pa.
Pottstown Steel Co., Douglassville, Pa.
Pottsville Bolt Co., Pottsville, Pa.
Pottsville Fndry. & Stove Co., Pottsville, Pa.
Pottsville Supply Co., plumbers, mill & facty. supplies—jobbers, whol. hdwe., Pottsville, Pa.
Poughkeepsie Chair Co., Poughkeepsie, N. Y.
Poughkeepsie Fdry. & Mach. Co., Poughkeepsie, N. Y.
Poulan Cotton Mills, Poulan, Ga.
Poulin, J., Granite Co., Montpelier, Vt.
Poulsen & Nardon, dies, models & experimental work, 230 N. Los Angeles, Los Angeles, Calif.
Pounder, Geo. H., agricultural implements, Fort Atkinson, Wis.
Pouvaillamith Corporation, Poughkeepsie, N. Y.
Povey Bros. Glass Co., 5th & Flanders, Portland, Ore.

POWE LUMBER CO., THOMAS E., 22 Branch St., St. Louis, Mo.

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Powell & Powell, Starke, Fla.
Powell, Benj., ladders, 109 Allen, Springfield, Mass.
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POWELL CO., THE WM., 2525 Spring Grove Ave., Cincinnati, O.

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Powell Fuel Co., masons' mtls., Columbia, S. C.
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Powell Pressed Steel Co., Hubbard, O.
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Power Efficiency Corp., White Bldg., Buffalo, N. Y.
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Power Equip. Co., machy. dlrs., 1218 Chestnut, Philadelphia, Pa.
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Pratt Co., Amasa, Lowell, Mass.
Pratt Co., B. G., 50 Church St., New York.
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Pratt Low Preserving Co., Santa Clara, Cal.
Pratt Mfg. Co., Wm. E., 15 W. Lake St., Chicago.
Pratt-Moore Adv. Co., advtg. agency, Ford Bldg., Detroit, Mich.
Pratt, N. P., Laboratory, chemists, Atlanta, Ga.
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Pratt Rock & Gravel Co., Hearst Bldg., San Francisco, Calif.
Pratt Robert G., 43 Lagrange St., Worcester, Mass
Pratt, W. E., Mfg. Co., drilling & milling machy., etc., 15 W. Lake, Chicago, Ill.
Pratt, Wm. A., & Co., Inc., machinists, 32 Merseles, Jersey City, N. J.
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Pray, W. H., ice plows, Clove, N. Y.
Preble, Edw., iron forgings, 103 Summer, E. B., Boston, Mass.
Preble, Walter H., Co., contractors, 11 Pemberton sq., Boston, Mass.
Precious Metals Tempering Co., Inc., surgical instruments, 30 Church, New York.
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Precision Truing Machine & Tool Co., 407 Madison, Cincinnati, O.
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Premier Auto Nov. Mfg. Co., radiator covers, etc., 149 Chambers, New York.
Premier Bed & Spring Co., 2401 17th, San Francisco, Calif.
Premier Bed Co., machsts. & fndrs., Mishawaka, Ind.
Premier Cycle Works, 162 N. Clinton, Chicago, Ill.
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Premier Metal Etching Co., name-plates & dials, 14th, Long Island City, N. Y.
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Premier Tire & Rubber Co., The, Montgall & Nicholson, Kansas City, Mo.
Premier Warm-Air Heater Co., Dowagiac, Mich.
Premium Metal & Packing Co., Inc., Wilkinsburg, Pa.
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Prendergast, Geo. G., Constr. Co., Chemical, St. Louis, Mo.
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Prentice Mfg. Co., New Britain, Conn.
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Prentiss, Brooks & Co., masons' & builders' materials, Holyoke, Mass.
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Presbrey-Coykendall Co., 861 Fifth Ave., New York.
Presbrey, E. H., Co., auto. wheel pullers, 150 Broadway, New York.
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Prescott & Son, J. B., Webster, Mass.
Prescott Brick & Lumber Co., Rowell Bldg., Fresno, Calif.
Prescott Co., J. L., 90 W. Broadway, New York. (Stove Polish.)
Prescott Co., Menominee, Mich.
Prescott Co., The Sumner, 408 Occidental St., Seattle, Wash.
Prescott, F. H., Co., gloves, canvas, Auburn, N. H.
Prescott, F. R., Meredith, N. H.
Prescott, Fred M., Steam Pump Co., 115 Broadway, New York.
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Prescott, Sam'l J., & Co., contractors, Hotel Continental, Washington, D. C.
Prescott Supply Co., plumbers' supplies, Binghamton, N. Y.
Preservaline Mfg. Co., boiler compounds, 854 Lorimer, Brooklyn, N. Y.
Preservative Paint Co., 5410 Duwamish St., Seattle, Wash.
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Press Sign Co. of St. Louis, Mo., advtg. signs, 2700 Dodier, St. Louis, Mo.
Press Sons, Jacob, 300 N. Halsted St., Chicago.
Press, Wells H., Co., machsts., Streator, Ill.
Pressed Metal Machinery Co., The, 15-17 S. Clinton St., Chicago.
Pressed Metal Radiator Co., Oliver Bldg., Pittsburgh, Pa.
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Pressed Prism Plate Glass Co., 25 N. Dearborn St., Chicago.
Pressed Steel Car Co., Pittsburgh, Pa.
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Pressed Steel Co., metal stamping & dies, Wilkes-Barre, Pa.
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Presto Cigarette Case Corp., Dept. H, North Attleboro, Mass.
Presto Elec. Co., Inc., cooking app., 703 Market, San Francisco, Calif.
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Presto Machine Works, gauges, tools, spec. machy., etc., 70 Washington, Brooklyn, N. Y.

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Preston, Burton, & Co., granite producers, Mansfield, O.
Preston Cast Die Corp., 85 Devonshire St., Boston, Mass.
Preston Canning Co., Preston, Md.
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Treas.—Clayton A. Yates.

Preston, Harry T., canned goods, Middletown, Del.
Preston, J. M., Co., silos, Lansing, Mich.
Preston Mill Co., Henry Bldg., Seattle, Wash.
Preston Milling Co., flour, Preston, Ida.
Preston Motor Corp., Birmingham, Ala.
Preston, Robt. K., Co., mica, 53 W. Jackson, Chicago.
Preston-Shaffer Milling Co., flour, Waitsburg, Wash.
Preston, W. T. & A., canned goods, Aberdeen, Md.
Pretlou & Co., fertilizer mfrs., Franklin, Va.
Prettyman, G. H., canned goods, Milford, Del.
Prettyman, J. F., & Sons, lbr., Summerville, S. C.
Pretzinger, Albert, & E. P. Musselman, archts., Dorothy la., Dayton, Ohio.
Preuceer Chair Corp., convertible Morris chairs & couches, 36 Broomfield, Boston, Mass.
Preusser, Jno., cornices & skylights, 302 W. 122d, New York.
Preuter, Louis, lumber, Baileys Harbor, Wis.
Prever Lumber Co., 250 W. 23d, New York.
Pribnow Swage & Tool Works, Mellen, Wis.
Price & Co., F. V. B., Pinebur, Miss.
Price & Howarth, lbr. mfrs., 1025 N. Washington av., Scranton, Pa.
Price & Rosenburg, contrs., Plymouth, Ind.
Price & Teeple Piano Co., 218 S. Wabash av., Chicago, Ill.
Price & Welker, heating contrs., 107 Canal rd., Cleveland, Ohio.
Price, A. D., Co., contractors, Houston, Tex.
Price, A. J., & Son, flour, Glen Rose, Tex.
Price-Bond Varnish Wks., Plainfield, N. J.
Price-Booker Mfg. Co., canned goods, Houston Heights, Tex.
Price Bros., bronze bushings, castings, mech. engrs., patterns, screw mach. prods., Frederick, Md.
Price Bros., contrs., Oakland, Calif.
Price Bros., machsts., Renfrew, Pa.
Price Bros. Co., contrs., Davies Bldg., Dayton, Ohio.
Price-Campbell Cotton Picker Corp., machy., 16 Exchange pl., New York.
Price Concrete Construction Co., Maryland Trust Bldg., Baltimore, Md.
Price-Corcoran-Pfister Co., valves & fittings, 2923 Humboldt, Los Angeles, Calif.
Price, D. E., & Son, canned goods, Darlington, Md.
Price, E. L., Mfg. Co., 306 1st, Oakland, Calif.
Price Electric Co., 413 Sibley St., St. Paul, Minn.
Price Electric Co., 12368 Euclid Ave., Cleveland, O.
Price Evans Foundry Co., Anderson Ave., Chattanooga, Tenn.

Price Fire & Waterproofing Co., Union & Water Sts., Poughkeepsie, N. Y.
Price Flavoring Extract Co., 237 E. Superior St., Chicago.

PRICE, G. W., PUMP & ENGINE CO., 1350 Folsom, San Francisco, Calif.

Price Hdwe. Co., Pulaski, Va.
Price Iron & Steel Co., scrap metal, 122 S. Michigan av., Chicago, Ill.
Price, J. L., Co., masons' & bldrs.' matls., Marion, Ohio.
Price, Lewis M., fertilizer mfr., Symrna, Del.
Price Lbr. & Mfg. Co., masons' & bldrs.' matls., Fremont, Ohio.
Price Machine & Electric Works, 115 W. Price, Los Angeles, Calif.
Price Pancoast Coal Co., anthracite, Means Bldg., Scranton, Pa.
Price-Reynolds Hdwe. Co., 115 Market, Norfolk, Va.
Price Varnish Co., 2115 Singleton, St. Louis, Mo.
Price, W. R., Inc., educational equip., 5 Nassau, New York.
Price, Wm. G., & Sons, leather, Chester, Pa.
Prichard & Sons, carriages, Ithaca, N. Y.
Prichard, C. W., Co., Inc., machy. dlrs., 50 Church, New York.
Prichard Supply Co., Mannington, W. Va.
Prickett, Walter S., lumber mfrs., Sidnaw, Mich.
Pride of the Kitchen Co., metal polish, soap & powders, 400 Smith, Brooklyn, N. Y.
Pride, W. H., & Co., canned goods, Bellingham, Wash.
Pridham, R. W., Co., paper folding cartons, 903 N. Main, Los Angeles, Calif.
Pridmore, Henry E., 19th and Rockwell Sts., Chicago.
Priebe, Mrs. E., flour mills, Jenifer, Ala.
Prier Brass Mfg. Co., machsts. & fndrs. & vent fittings, 15th and Blue River, Kansas City, Mo.

PRIER CO., WALTER H., 230 E. Ohio st., Chicago.

Priest, Geo. L., elec. constr., Oakland, Calif.
Priest, J. W., masons' & bldrs.' matls., Topeka, Ind.
Priest Lumber Co., C. A., Fitchburgh, Mass.
Priestley Hardware Co., Princeton, Ill.
Priestman, Albert, airlocks, nozzles, pumps, etc., 328 Chestnut, Philadelphia, Pa.
Priggen, Geo. H., Co., portable garage, 375 Broadway, Boston, Mass.
Prime Lumber Co. (Not Inc.), Meridan, Miss.

PRIME MANUFACTURING CO., THE, 653 Clinton st., Milwaukee, Wis.

Pres.—O. L. Prime.
V. P.—D. T. Allen.
Sec. & Treas.—H. G. Wild.
Wks. Mgr.—D. A. Lucas.
Serv. Engr.—F. J. Prout.
West. Sales Rep.—J. V. Miller.
East. Sales Rep.—C. A. Dunn, Philadelphia, Pa.

Primos Chemical Company, Primos, Pa. (Now Vanadium Corp. of America, 120 Broadway, New York.)
Prince, Co., L. M., 108 W. 4th St., Cincinnati, O.
Prince Elev. Co., 231 W. Grand av., Chicago, Ill.
Prince, Gilbert, furniture, Dept. H, Los Angeles, Calif.
Prince, H. G., & Co., canned goods, 29th av. & S. P. R. R., Oakland, Calif.
Prince, Jas. H., Paint Co., paint mfrs., 5 Lancaster, Boston, Mass.
Prince Mfg. Co., The, Bowmanstown, Pa.
Prince Mfg. Co., roofing paints, 165 Broadway, New York.
Prince Paint Co., Jas. H., 5-7 Lancaster St., Boston, Mass.
Prince, W. J., & Son, masons' & bldrs.' matls., Hurleyville, N. Y.
Prince, W. O., weather strips, 26 Edinboro, Boston, Mass.
Princess Iron Corp., Glen Wilton, Va.
Princess Wash Machine Mfg. Co., 433 E. Pearl St., Cincinnati, O.
Princeton Brick Co., Brickton, Minn.
Princeton Canning Co., Brownsburg, Ind.
Princeton Foundry & Supply Co., Princeton, W. Va.
Princeton Mfg. Co., rope, Athens, Ga.
Princeton Milling Co., flour, Princeton, Ind.
Princeton Sealing Wax Co., Princeton, Ill.
Princeton Sheet Metal Co., road culverts, Princeton, Ind.
Princeton Univ., engng. school & coll., Princeton, N. J.
Prindiville, J. J., Co., contractors, Framingham, Mass.
Pringle & Brodie Mach'y. Co., 566 W. Polk St., Chicago.
Pringle & Co., Inc., W. M., 27 Howard St., New York.
Pringle Electrical Mfg. Co., The, 1906-8 N. 6th St., Philadelphia, Pa.
Pringle, Thos. G., machsts. & fndrs., Clay, Brooklyn, N. Y.
Pringle Turpentine Cup Co., Biloxi, Miss.
Pringle, W. T., 227 Durham, Philadelphia, Pa.
Printers' Chase & Mach. Wks., 159 N. Jefferson, Chicago, Ill.
Printers' Ink, trade publication, 185 Madison av., New York.
Printers' Roller Co., 97H Cliff, New York.
Printing, trade publication, 38 Park row, New York.
Printing Machinery Co., The, 412 E. 6th St., Cincinnati, O.
Printing Products Corp., 124 Polk St., Chicago.
Prinz & Rau Mfg. Co., 659 E. Water St., Milwaukee, Wis.
Printz Degreasing Co., 1001 Chestnut, Philadelphia, Pa.
Printz & Sevison, stoves, Pottstown, Pa.
Prior, A. G., Inc., pasting machs., 665 Broad, Newark, N. J.
Prisarig, Geo. W., Co., Inc., 90 Clay, San Francisco, Calif.
Prisk, Wm. M., & Sons Mfg. Co., coffee percolators, britannia ware & casseroles, Yalesville, Conn.
Pritchard Bros. Co., htg. contrs., Memphis, Tenn.
Pritchard, E., canned goods, Bridgeton, N. J.
Pritchard Rice Milling Co., Houston, Tex.
Pritchard Stamping Co., tinware, etc., Rochester, N. Y.
Pritchard, W. N. & I. W., flour, Chapel Hill, N. C.
Pritchett & Henderson, architects, Danville, Va.
Pritchett, Milton C., architect, Bedford, Ind.
Pritchard-Wheeler Lumber Co., Bank of Commerce Bldg., Memphis, Tenn.
Priteca, B. Marcus, architect, Pantages Theater Bldg., Los Angeles, Calif.
Pritzker, Aaron, leather, 18 Elm, Boston, Mass.
Pritzlaff, John, Hardware Co., 51 W. Water, Milwaukee, Wis.
Pritzlaff, W. G., Co., cornices & skylights, Watertown, Wis.
Prizer-Painter Stove Co., stove & range mfrs., Reading, Pa.
Probeck, P. J., Co., machy., 2339 E. 4th, Cleveland, O.
Probst, C. F., Mfg. Co., burnishing balls & rivets mfrs., 530 Watertown av., Waterbury, Conn.
Process Engineers, Ltd., 501 5th av., New York.

PROCTER & COLLIER CO., THE, McMillan & Reading Rd., Cincinnati, O.

Procter & Gamble Co., Spring Grove Ave., Cincinnati, O. (Home Office.)
Procter & Gamble, Richmond, Calif.

PROCTOR & SCHWARTZ, INC., Seventh st. and Tabor rd., Philadelphia, Pa.

Proctor Cedar Co., Edmonds, Wash.
Proctor, E. O., Co., mill & facty. supplies, Ayer, Mass.
Proctor, J. C., Lbr. Co., Peoria, Ill.
Proctor, John R., & Co. contrs. Old South Bldg., Boston, Mass.
Proctor Mfg. Co., lumber mfrs., Ogdensburg, N. Y.
Proctor, S. Eugene, Co., hardware mill & facty. supplies, 158 State, Boston, Mass.
Proctor Slate Quarries, Cardiff, Md.
Procunier, Wm. J. (Mfr. Tapping Chucks), 14 S. Clinton St., Chicago.
Producers Cotton Oil Co., Yazoo City, Miss.
Producers' Chemical Corp., 261 Broadway, New York.
Producers Coke Co., Uniontown, Pa.
Producers Refining Co., petroleum, Gainesville, Tex.
Producers' Refining Co., Bakersfield, Cal.
Producers Supply & Tool Co., Marietta, O.
Producers Sup. Co., Elgin & Archer Sts., Tulsa, Okla.
Producers Torpedo Co., Marietta, Ohio.
Producers Turpentine Co., Elizabeth, La.

PRODUCERS WOOD PRESERVING CO., INC., Railway Exchange Bldg., Chicago.

Product Sales Co., clays, minerals, etc., 308 Charles, Baltimore, Md.
Production Engineering Corp., Canastota, N. Y.
Production Equipment Co., Inc., 128 Gold St., New York.
Production Machine Co., Greenfield, Mass.
Production Mach. Co., grinding, polishing & finishing machy., etc., Greenfield, Mass.
Production Tool Co. of America, Foster & Le Grand Aves., Detroit, Mich.
Products Development Co., fire clay, Sharon Bldg., San Francisco, Calif.
Products Mfg. & Sales Co., 432 Broadway, Milwaukee, Wis.
Products Mfg. & Sales Company, 209 Grand Ave., Milwaukee, Wis.
Progress Button Co., Marvine and Montgomery, Philadelphia, Pa.
Progress Duster Co., 1102 S. California Ave., Chicago.
Progress Furnace Co., Springfield, Ohio.
Progress General Machine Wks., 444 Brannan, San Francisco, Calif.
Progress Machine Co., 512 N. La Salle St., Chicago.
Progress Mfg. Co., canvas gloves, Racine, Wis.
Progress Pressed Brick & Machine Co., Kingshighway near Arsenal St., St. Louis, Mo.
Progress Woodworking Co., cabinets, 2751 16th, San Francisco, Calif.
Progressive Dehydrator Co., Loew Bldg., San Francisco, Calif.
Progressive Electrotyping Co., 420 Market St., St Louis, Mo.
Progressive Evaporator Co., see Progressive Dehydrator Co. (successor).
Progressive Foundry Co., Rochester, N. Y.
Progressive Glue Co., 185 Wooster, New York.
Progressive Iron Fdry. & Machine Co., water filters, pipe & pressure strainers, Haydenville, Mass.
Progressive Knitting Wks., sweaters, cardigans, etc., 1714 Atlantic av., Brooklyn, N. Y.
Progressive Mach. & Tool Co., Inc., machsts., 280 Sip av., Jersey City, N. J.
Progressive Mfg. Co., mach. screws, rivets to order and specialties, Torrington, Conn.
Progressive Mfg. Co., Inc., Kingshighway & Manchester Ave., St. Louis, Mo.
Progressive Metal & Refining Co., Milwaukee, Wis.
Progressive Mill & Logging Co., Mt. Vernon, Wash.
Progressive Plating & Enameling Works, 880 27th, Oakland, Calif.
Progressive Shoe Machinery Co., Minneapolis, Minn.
Progressive Smelting & Metal Corp., 549 W. 25th St., New York.
Progressive Stamping Co., 1706 E. 38th St., Cleveland, O.
Progressive Steel Co., contrs., 504 Bailey av., Buffalo, N. Y.
Progressive Tent & Awning Co., 124 S. Los Angeles, Los Angeles, Calif.
Progressive Wire Goods Co., Williamstown, N. J.
Prometheus Electric Co., 358 W. 13th st., New York.
Pronty Lbr. & Box Co., Seaside, Ore.
Proof Machine & Bren Foundry Co., 936 E. 72d, Cleveland, Ohio.
Propp, M., Co., dec. elec. lighting, 524 Broadway, New York.
Propst Lumber Co., Paris, Ill.
Prosnitz, Glover, Co., contrs., 103 Park av., New York.
Prospect Boiler Co., New Brunswick, N. J.
Prospect Canning Co., Bedford, Va.
Prospect Coal & Coke Co., Searights, Pa.
Prospect Mfg. Co., Prospect, O.
Prospect Planing Mill Co., sashes, doors & blinds, Bayonne, N. J.
Prospect Sash & Door Co., 73 St. Pauls av., Jersey City, N. J.
Prosper Canning Co., Prosper, Ore.
Prosper Mill Co., Prosper, Ore.
Prosperity Co., Inc., The, Syracuse, N. Y.
Prosser & Son, Thomas, (Steel), 15 Gold St., New York.
Prosser, Wm., & Son, lumber mfrs., 943 Pleasant, Fall River, Mass.
Prossner, S., & Sons, stone producers, Rome, N. Y.
Protecta Safety Appliance Co., ammonia helmets, 52 Columbia, Newark, N. J.
Protected Seat Valve Co., 707-8-9 Peoples Bank Bldg., Pittsburgh, Pa. (Now Homestead Valve Mfg. Co., Homestead, Pa.)
Protective Electric Supply Co., 123 W. Columbia, St., Fort Wayne, Ind.
Protective Signal Mfg. Co., The, Denver, Colo.
Protective Ventilator & Screen Corp., 330 E. 23rd St., New York.
Protecto Mfg. Co., 5206 W. Kinzie St., Chicago.
Protecto Safety Appliance Company, 50 Columbia St., Newark, N. J.
Protectus Paint Co., The, North American Bldg., Philadelphia, Pa.
Protex Signal Co., Park Bldg., Cleveland, Ohio.

PROTEXOL CORPORATION, 41 Barclay St., New York.

Pres.—Ernest F. Hartman.
Sec.—C. M. Schwartz.
Treas.—F. A. Hartman.

Boston, Mass.—6 Beacon St., J. L. Bixby.
Havana, Cuba—Thomas F. Turull & Co.
Honolulu, H. I.—American Factors, Ltd.
Manila, P. I.—Atlantic, Gulf & Pacific Co.
New Orleans, La.—Maison Blanche Bldg.
New York—Richard F. Kruse, Frank X. McKeon.
Philadelphia, Pa.—26 S. 17th St., Paddock & Reeves.
San Francisco, Cal.—Bass Hueter Paint Co.
Works—Kenilworth, N. J.

Protexometer Mfg. Co., Inc., water circulation thermometers, Camden, N. J.
Proudfit Loose Leaf Co., 12 Logan St., S. W., Grand Rapids, Mich.
Proudfoot, Bird & Ravson, architects, Hubbell Bldg., Des Moines, Iowa.
Proulx, Jos. B., brick, Epping, N. H.
Prout Bros., Quincy, Mass.
Prouty & Co., C., Eldred, Pa.
Prouty & Glass Carriage Co., bodies, Wayne, Mich.
Prouty & Miller, lbr., Newport, Vt.
Prouty-Bowler Soap Co., Des Moines, Iowa.
Providence Architectural Metal Wks., 237 Dyer, Providence, R. I.
Providence Art Metal Co., 137 Clifford, Providence, R. I.
Providence Base Wks. of General Elec. Co., Atwells av., Providence, R. I.
Providence Body Co., 128 Narragansett av., Providence, R. I.
Providence Box & Lbr. Co., 1102 Cranston, Providence, R. I.
Providence Brass & Aluminum Fdry., 460 Eddy St., Providence, R. I.
Providence Building Co., Grosvenor Bldg., Providence, R. I.
Providence Coppersmithing Co., 511 Eddy, Providence, R. I.
Providence Cornice Co., 311 Canal, Providence, R. I.
Providence Dry Dock & Marine Ry. Co., E. Providence, R. I.
Providence Drysalters Co., paste, East Greenwich, R. I.
Providence Elec. Blue Printing Co., 86 Weybosset, Providence, R. I.
Providence Elec. Mfg. Co., 23 Broad St., Providence, R. I.
Providence Electrotyping & Plating Wks., 78 Friendship, Providence, R. I.
Providence Enamel Co., 456 Fountain, Providnece, R. I.
Providence Engineering Corp., 521 S. Main St., Providence, R. I.
Providence Gas Co., Turks Head Bldg., Providence, R. I.
Providence Granite Co., 125 Harris av., Providence, R. I.
Providence Mfg. & Tool Co., jigs, fixtures, gauges, etc., 17 Warren, Providence, R. I.
Providence Metal Spinning Co., 185 Eddy, Providence, R. I.
Providence Mill Supply Co., 68 West Exchange, Providence, R. I.
Providence Needle Co., 107 Stewart st., Providence, R. I.
Providence Oil Co., metal polish, Massasoit av., Providence, R. I.
Providence Ornamental Iron Wks., 72 Dudley, Providence, R. I.
Providence Paper Co., 46 Weybosset St., Providence, R. I.
Providence Plumbing Supply Co., 64 Pine St., Providence, R. I.
Providence Press Machinery Co., Inc., "Master" hammers & presses, Room 610, 110 W. 40th, New York.
Providence Sash & Blind Co., 309 Dean, Providence, R. I.
Providence Slate & Gravel Roofing Co., 140 Roosevelt St., Providence, R. I.
Providence Steam Trap Co., 16 Diamond St., Providence, R. I.
Providence Steel & Iron Co., Kinsley av., Providence, R. I.
Providence Trunk Co., 457 Westminster St., Providence, R. I.
Provident Chemical Works, 8121 Idaho Ave., St. Louis, Mo.
Provident Engineering Co., machy. dlrs., Morris Bldg., Philadelphia, Pa.
Provident Slate Co., roofing slate mfrs., Slatington, Pa.
Provincial Paper Mills Co., Ltd., Toronto, Ont.
Provo Brick & Tile Co., Provo, Utah.
Provo Foundry & Machine Co., Provo, Utah.
Provo Meat & Packing Co., Provo, Utah.
Provo Pressed Brick Co., see Provo Brick & Tile Co. (successors).
Provost & Son, granite, West Berlin, Vt.
Provost Engineering Co., 50 Church St., New York.
Provost, F. T., & Co., contractors, 174 Merrimack, Manchester, N. H.
Prowell, R., Stove Co., 2011 3d av., Birmingham, Ala.
Prox & Burget Co., brass castings, steam htg. contrs., 119 N. 8th, Terre Haute, Ind.
Proximity Mfg. Co., denims, Greensboro, N. C.
Prudden Wheel Plant, Motor Wheel Corporation, Lansing, Mich.
Pruden Co., The C. D., Bayard & Warner Sts., Baltimore, Md.
Pruden Hardware Co., W. E., 258 W. 52nd St., New York.
Prudential Oil Co., Inc., jobbers, 110 William, New York.
Prudential Paint & Color Co., 2460 E. 24th, Los Angeles, Calif.
Prudential Tire & Rubber Co., Chippewa Falls, Wis.
Prue, Frank J., knitted gloves & mittens, spindles, Woonsocket, R. I.
Prueter, Louis, lumber, Baileys Harbor, Wis.
Pruett-Schaffer Chemical Co., Pittsburgh, Pa.
Prufo Products Co., carriage dressing, waterproofing, etc., 54 Union av., Portland, Ore.
Pruissel, F. W., acetylene gas generators, Mt. Clemens, Mich.
Pruit Co., duplicators, etc., 170 N. Wells, Chicago, Ill.
Pruitt-Barrett Hardware Co., Gainesville, Ga.
Prusia Hardware Co., Ft. Dodge, Ia.

PRUYN BEARINGS EXCHANGE, THE, 2115 S. Michigan Ave., Chicago.

Pryibil Machine Co., P., 534 W. 58th st., New York.

PRYKO, INC. (Wanstall Traps), 39 Cortlandt St., New York.

Factory—Jersey City, N. J.
Distributors:
IND.—Indianapolis—W. C. Fletcher & Co., 1016 Fletcher Trust Bldg.
KY.—Lexington—Howard Evans, 404 Herando Bldg.
MD.—Baltimore—J. Lester Barr, 202 N. Calvert St.
N. Y.—Buffalo—Goergen Mackwirth Co., 817 Sycamore St., Jefferson 2918.
O.—Cincinnati—C. E. Werner, Woodlawn.
TEX.—Houston—Southern Steam Specialty Co., P. O. Box 475.

Pryor Coal Co., miners, Greensburg, Pa.
Pryor, James, & Son, sash, door & blind, Houghton, Mich.
Pryor, Jas. T., mach. & fndr., Rusk, Tex.
Public Service Cup Co., 167 39th st., Brooklyn, N. Y.
Publicker Commercial Alcohol Co., Water & Snyder Sts., Philadelphia, Pa.
Puddicombe, H., & Co., glass mosaic wks., 181 Henry, New Haven, Conn.
Pudrith, A. F., cornices, 1467 E. Fort, Detroit, Mich.
Pueblo Brass & Iron Foundry, Pueblo, Colo.
Pueblo Bridge Co., Pueblo, Colo.
Pueblo Carriage Co., Pueblo, Colo.
Pueblo Electric Co., Pueblo, Colo.
Pueblo Fdry. & Mach. Co., Pueblo, Colo.
Puente Oil Co., petroleum, Chino, Calif.

Puff Mfg. Co., camp furn., 1420 S. Los Angeles, Los Angeles, Calif.
Puffer-Hubbard Mfg. Co., 2601-32nd Ave., Minneapolis Minn.
Puffer, H. C., Co., masons' & bldrs.' matls., 138 Howard, Springfield, Mass.
Puffer Mfg. Co., sodawater fountains, 20 Sudbury, Boston, Mass.
Puffer, W. E., & Sons, furnace regulators, 234 Walter, New York.
Puget Mill Co., 208 Walker Bldg., Seattle, Wash.
Puget Sound & Alaska Powder Co., dynamite, 307 Pioneer Bldg., Seatle, Wash.
Puget Sound Art Glass Co., 512 Westlake St., N., Seattle, Wash.
Puget Sound Basket Co., 2845 W. 16th, Seattle, Wash.
Puget Sound Boiler Works, 1 W. Spokane St., Seattle, Wash.
Puget Sound Bridge & Dredging Co., Seattle, Wash.
Puget Sound Flouring Mills Co., Tacoma, Wash.
Puget Sound Glove Mfg. Co., 308 Main, Seattle, Wash.
Puget Sound Iron & Steel Works, Tacoma, Wash.
Puget Sound Lumber Co., Tacoma, Wash.
Puget Sound Machinery Depot, 318-1st St., S., Seattle, Wash.
Puget Sound Mfg. Co., sashes, 1123 St. Paul, Tacoma, Wash.
Puget Sound Metal Wks., babbitt, Tacoma, Wash.
Puget Sound Mills & Timber Co., Port Angeles, Wash.
Puget Sound Power & Light Co., Pillock Blk., Portland, Ore.
Puget Sound Sawmill & Shingle Co., Bellingham, Wash.
Puget Sound Sheet Metal Wks., cornices & skylights, Seattle, Wash.
Puget Sound Tent & Duck Co., contrs., Seattle, Wash.
Puget Sound Wood Preserving Co., creosoting works, Lowell, Wash.
Pugh Foundry Co., 19 W. Levee, Kansas City, Mo.
Pugh, Inc., Job T., 32nd & Ludlow Sts., Philadelphia, Pa.

PULASKI FOUNDRY & MFG. CORP. (Founders, Machinists & Builders of Heavy Machy.).
Main Office and Works:
Pulaski, Va.
Sales Office:
2424 Euclid av., Cleveland, O.

Pulaski Iron Co., Real Estate Trust Bldg., Philadelphia, Pa.
Pulaski Lbr. Co., 1833 N. Robey, Chicago, Ill.
Pulaski Mach. Co., Pulaski, Tenn.
Pulaski Mill, flour, Pulaski, Va.
Pulaski Roller Mills, flour, Pulaski, Tenn.
Pulfer, L. F., cornices & skylights, 1222 W. 25th, Los Angeles, Calif.
Pulfley, C. F., common brick, St. Johns, Mich.
Pulford, Dempsey Constr. Co., Elmira, N. Y.
Pullan & Heins Co., Pawtucket, R. I.
Pullan Steel Spring Co., Mount Clemens, Mich.
Pull-Easy Mfg. Co., Waukesha, Wis.
Pullinger Co., George S., East Stroudsburg, Pa.

PULLMAN COMPANY, THE, General Offices, 79 E. Adams St., Chicago.
Corporate Officers:
John S. Runnells, Chairman of the Board, Chicago.
Edward F. Carry, Pres, Chicago.
Richmond Dean, V. P., Chicago.
Clive Runnells, V. P., Chicago.
L. S. Taylor, V. P. & Comptr., Chicago.
L. S. Hungerford, V. P. & Gen. Mgr., Chicago.
D. A. Crawford, V. P., Chicago.
C. A. Liddle, V. P., Chicago.
J. F. Kane, Sec., Chicago.
A. A. Cummins, Treas., Chicago.
Purchasing and Selling Officers:
F. O. Reemer, Chief Purchasing Officer, Chicago.
J. Henry Smith, Mgr. Sales, Auto Body Dept., Chicago.
W. O. Jacquette, Eastern Sales Mgr., New York.
J. Y. Sloan, Sales Agent, Chicago.
Champ Carry, Sales Agent, Chicago.
B. M. Carr, Sales Agent, Chicago.
T. L. Glass, Salesman, Chicago.

Pullman Couch Co., furn., 3759H S. Ashland av., Chicago, Ill.
Pullman Metal Weather Strip Co., weather strips, Kane, Pa.
Pullman Mfg. Co., 228 South Ave., Rochester, N. Y.
Pullman Motor Car Co., York, Pa.
Pullman Ventilator & Mfg. Co., W. York Ave. & Western Maryland R .R., York, Pa.
Pull-Rak Co., punch boards, 111 New Montgomery, San Francisco, Calif.
Pull-the-String Mailing Wrapper Co., 18 E. Kenzie, Chicago, Ill.
Pull-U-Out Sales Co., tackle blocks, 2018 Market, St. Louis, Mo.
Pull-U-Out Products Co., 220 S. 8th st., St. Louis, Mo.
Pulmosan Safety Equipment Co., 48 Willoughby St., Brooklyn, N. Y.
Pulp Wood Co., paper & pulp mills, Appleton, Wis.
Pulse & Porter, masons' & bldrs.' matls., contrs., Greensburg, Ind.
Pulsifer, Kingston Co., linoleum cements, 19 Stuart, Boston, Mass.
Pulsometer Steam Pump Co., 220 W. 42nd St., New York.
Pultz, Chas., fndr., Wauseon, Ohio.
Pulverized Fuel Equip. Corp., 30 Church St., New York.
Puntenney Lime Co., Puntenney, Ariz.
Punxsutawney Boiler Works, Punxsutawney, Pa.
Punxsutawney Drilling & Contracting Co., Punxsutawney, Pa.
Punxsutawney Foundry & Machine Co., Punxsutawney, Pa.
Punxsutawney Hardware Co., Punxsutawney, Pa.
Punxsutawney Iron Co., DuBois, Pa., now the Punxsutawney Furnace Co., DuBois, Pa.
Purcell Box Corp., mill & facty. supp., 70 Trumbull, Hartford, Conn.
Purcell Co., calf weaners & storm hangers, 2109 Grand av., Kansas City, Mo.
Purcell, J. L., 25 Hoadley rd., Hartford, Conn.
Purcell Walnut Lumber Co., Frank, 12th and Belt Line, Kansas City, Mo.
Purchasing Agent Co., trade publication, 53 Park pl., New York.
Purdue Univ., engng. schools & coll., Lafayette, Ind.
Purdy & Henderson, 45 F. 17th St., New York.
Purdy, Chester, machsts., Ghent, Ohio.
Purdy Co., Inc., A. R. (Iron & Steel), 790 Greenwich st., New York.
Purdy, D. C., & Sons, cornices & skylights, Highland Park, Ill.
Purdy, Frank M., masons' & bldrs.' matls., Plattsburg, N. Y.
Purdy, W. A., lbr., Manchester, Vt.
Pure Carbon Co., Wellsville, N. Y.
Pure Carbonic Co., 2008 S. Canal, Chicago, Ill.
Pure Gluten Food Co., 90 W. Broadway, New York.
Pure Oil Co., The, Chestnut & High Sts., Columbus, O.
Purington, O. D., & Co., gen. bldg. contrs., Ind. Trust Bldg., Providence, R. I.
Purington Paving Brick Co., Galesburg, Ill.
Purinton & Smith 31-41 Edwards St., Hartford, Conn.
Purinton Bros. Co., contractors, Augusta, Me.
Purinton, Horace, Co., brick contrs., Waterville, Me.
Puritan Bed Spring Co., 902 Kentucky av., Indianapolis, Ind.
Puritan Brick Co., Hamden, O.
Puritan Brick & Tile Co., Farewell Bldg., Detroit, Mich.
Puritan Comb Co., Leominster, Mass.
Puritan Cordage Mills, 1205 Washington St., Louisville, Ky.
Puritan Counter Co., Brockton, Mass.
Puritan Iron Wks., 110 Portland, Boston, Mass.
Puritan Knitting Mills, sweaters, cardigans, etc., 1332 Vine, Philadelphia, Pa., and 34 Orchard, New York.
Puritan Machine Co., 51 10th Ave., Detroit, Mich.
Puritan Mfg. Co., 210 South st., Boston, Mass.
Puritan Oil Co., 1244 W. 70th, Cleveland, Ohio.
Puritan Paint & Oil Co., 1306 Sheffield St., Pittsburgh Pa.
Puritan Soap Co., 500 Exchange St., Rochester, N. Y
Purity Fertilizer Co., Greenville, Ala.
Purity Oats Co., Keokuk, Iowa.
Purity Soap Co., 100 Humboldt av. N., Minneapolis, Minn.
Purity Specialties Co., paper cups, Denckla Bldg., Philadelphia, Pa.
Puro Sanitary Drinking Ftn. Co., Haydenville, Mass.
Purnell Art Co., cornices, N. Charles, Baltimore, Md.
Purolene Disinfecting Co., 956 S. Broadway, Los Angeles, Calif.
Purox Company, 2311 E. 52nd St., Los Angeles, Cal.
Purple, A. E., cordage & twine mfrs., Moodus, Conn.
Pursell Cabinet Co., 926 Irvington av., Huntington Park, Calif.
Purves Mfg. Co., 311 Almond St., Syracuse, N. Y.
Purvis & Shelton, steam & hot water htg. contr. & machsts.' supplies, 241 Plymouth, Brooklyn, N. Y.
Purvis, David H., mason contr., Norwich, Conn.
Pusey & Jones, Poplar Dept. 18, Wilmington, Del.
Pushee & Sons, J. C., 9 Randolph St., Boston, Mass.
Putnam & Co., Inc., 32 Howard St., New York.
Putnam & Parker, corn feed, buckwheat flour, Columbus, Pa.
Putnam Fertilizer Works, Eatonton, Ga.
Putnam Fdry. & Mach. Co., Putnam, Conn.
Putnam, H. E., masons' & bldrs.' matls., 156 Woodland, Hartford, Conn.
Putnam, H. H., lbr., Danforth, Me.
Putnam Hdwe. & Mill Supply Co., Putnam, Conn.
Putnam Lumber Co., Milldale av., Jacksonville, Fla.
Putnam Machine Wks., see Manning, Maxwell & Moore, Inc. (successors).
Putnam Mfg. Co., cotton sheetings, Putnam, Conn.
Putnam-Martin Co., advtg. novelties, 307 Superior N. W., Cleveland, Ohio.
Putnam Mills & Power Co., Eatonton, Ga.
Putnam Veneer & Lumber Co., Roachdale, Ind.
Putnam, W. W., & Co., organs, Staunton, Va.
Putney, F. F., fertilizer mfrs., Putney, Ga.
Putney, Oliver C., granite producers, Woodstock, Md.
Puttmann, John J., lbr. mfrs., New Point, Ind.
Putzell, Morris, Macon, Ga.
Puyallup & Sumner Fruit Growers' Canning Co., Puyallup, Wash.
Pyhe-Herbkoff Co., htg. contrs., Muncie, Ind.
Pyke & Co., Ltd., Jas. W., Montreal, Can.
Pyle & Stannard, contrs., Wilmington, Del.
Pyle, J. F., & Son, canned goods, San Jose, Calif.
Pyle Leather Co., New Castle av., Wilmington, Del.

PYLE-NATIONAL COMPANY, THE, 1334 N. Kostner av., Chicago (Established 1897).
Pres.—R. C. Vilas.
V. P.—Wm. Miller.
V. P. & Gen. Mgr.—J. Will Johnson.
P. A.—A. N. Martin.
Sec.—H. E. Withington.
Atlanta, Ga.—355 Oak St., R. L. Kilker.
Baltimore, Md.—1017 Munsey Bldg., N. S. Kenney.
Montreal, Can.—350-356 St. James St., The Holden Co., Ltd.
St. Louis, Mo.—Railway Exchange Bldg.

Pyle Pattern & Mfg. Co., Muskegon, Mich.
Pyle-Rogers Corp., 501 Fifth Ave., New York.
Pyle, Victor R., Co., masons' & bldrs.' matls., Wilmington, Del.
Pyles, Thos., stone producer, Cambridge, Ohio.
Pynch, E. A., & Co., machsts., 311 3d av. S., Minneapolis, Minn.
Pyne Co., mill & facty. supplies, etc., Louisville, Ky.
Pynetree Paper Co., 460 Pearl, New York.
Pynn & Cameron, show cases, Boston, Mass.

PYOTT FOUNDRY COMPANY, 330 N. Sangamon st., Chicago.

Pyramid Ink Co., 2316 W. Harrison St., Chicago.
Pyramid Iron Products Corp., 2 Rector St., New York.
Pyramid Paint Co., 133 N. 22nd St., Philadelphia, Pa.
Pyrene Manufacturing Co., 520 Belmont Ave., Newark, N. J.
Pyro Clay Products Co., Oak Hill, Ohio.
Pyroelectric Instrument Co., 636 E. State St., Trenton, N. J.
Pyro-Non Paint Co., Inc., 55 John St., New York.
Pyrone Process Co., interior finish mfrs., Ruggery bldg., Columbus, Ohio.
Pyrotex Leather Co., Leominster, Mass.

Q & C COMPANY, THE, 90 West St., New York,
Chairman—Chas. F. Quincy.
Pres.—F. F. Kister.
Distributors and Representatives:
CAL.—San Francisco—Latham McMullin, Claus Spreckels Bldg., Karny 513.
ILL.—Chicago—R. J. McComb, 122 S. Michigan Ave., Harrison 7143.
MASS.—Boston—Sherbourne & Co., 53 Oliver St., Main 0861.
MINN.—St. Paul—Rank & Goodell, 906 Merchants Bank Bldg., Cedar 1940.
MO.—St. Louis—J. L. Terry, Railway Exchange Bldg., Olive 4666.
Foreign:
B. C.—Vancouver—General Supply Co.
CAN.—Winnipeg—General Supply Co.
Ottawa, Ont.—General Supply Co., 356 Sparks St.
Toronto, Ont.—General Supply Co.
Montreal, Que.—General Supply Co.

Q M S Company, 1760 Elston Ave., Chicago. (Now Hanna Engineering Works.)
Q-P Signal Co., The, Needham Heights, Mass.
Quabaug Rubber Co., North Brookfield, Mass.
Quackenbush & Son, mill & facty. supplies, Paterson, N. J.

QUACKENBUSH, H. M., air rifles, air rifle ammunition, nut cracks & picks, etc., Herkimer, N. Y.

Quad Stove Mfg. Co., 76-78 E. 1st St., Columbus, O.
Quadrangle Mfg. Co., Inc., 553 W. Monroe St., Chicago.

QUADRIGA MFG. CO., THE, 213 W. Grand Ave., Chicago.
Pres.—A. D. Thibodeau.
V. P. & Treas.—W. H. Dangel.
Sec.—M. W. Dangel.

Quaile, Wm. B., stained glass substitutes, 405 Lexington av., New York.
Quaker City Belting Co., 2324 N. Palethrope St., Philadelphia, Pa.
Quaker City Brass Wks., elec. portables, 336 N. 3d, Philadelphia, Pa.
Quaker City Cordage Co., 416 Walnut pl., Philadelphia, Pa.
Quaker City Cut Glass Co., 4945 Wakefield, Philadelphia, Pa.
Quaker City Flour Mills Co., 3040 Market, Philadelphia, Pa.
Quaker City Gear Works, 1918 H N. Front, Phila., Pa.
Quaker City Iron Works, Tioga & Richmond, Philadelphia, Pa.
Quaker City Morocco Co., Huntington & Reese, Philadelphia, Pa.

QUAKER CITY RUBBER CO., 3927 Comly St., Philadelphia, Pa.

Quaker City Stained Glass Wks., 532 N. 6th, Philadelphia, Pa.
Quaker City Stencil & Stamp Works, Inc., 234 Arch St., Philadelphia, Pa.
Quaker City Sweater Mills, 1421 Wallace, Philadelphia, Pa.
Quaker City Wall Paper Co., E. Thompson & E. Westmoreland St., Philadelphia, Pa.
Quaker Mfg. Co., 140 N. Dearborn St., Chicago.
Quaker Oats Co., 80 E. Jackson blvd., Chicago, Ill.
Quakertown Stove Works, Quakertown, Pa.
Qualey, J. R., & Co., granite, S. Quincy, Quincy, Mass.
Quality Die Co., The, 1430 E. 64th St., Chicago.
Quality Foundry & Mfg. Co., 2411 Modac, Los Angeles, Cal.
Quality Radio Shop, amplifying transformers, Richmond, Ind.
Quality Shingle Co., Edmonds, Wash.
Quality Stove & Range Co., Belleville, Ill.
Quam, H. J., htg. contr., 3616 Portland av., Minneapolis, Minn.
Quanrud, Brink & Rubold, Inc., auto accessories, 206 4th, Bismarck, N. D.
Quanaw Supply Co., mill & facty. supplies, Commerce, Okla.
Quarles, J. E., Co., sashes, doors & blinds, Ft. Worth, Tex.
Quarmby & Hilliker, shoe machy., Lynn, Mass.
Quasi Arc Weldtrode Co., Peckskill, N. Y.
Queal, J. H., & Co., lbr. mfrs. & masons' & bldrs.' matls., Sioux City, Ia.
Queal Lbr. Co., Des Moines, Ia.
Queen & Co., pyrometers, thermometers, etc., 618 Chestnut, Philadelphia, Pa.
Queen Bee Stone Co., 101 N. Madison, Tulsa, Okla.
Queen City Blue Print Co., 124 Government pl., Cincinnati, Ohio.
Queen City Box Co., Wade, Flint & McLean, Cincinnati, Ohio.
Queen City Brass Wks., 1431 Blake, Denver, Colo.
Queen City Brick & Tile Co., Cumberland, Md.
Queen City Brick Co., Ellicott sq., Buffalo, N. Y.
Queen City Cutlery Co., Titusville, Pa.
Queen City Engineering Co., 49-53 Illinois St., Buffalo, N. Y.
Queen City Forging Co., Tennyson & Dumont, Columbia, Cincinnati, Ohio.
Queen City Foundry Co., 391 Norfolk Ave., Buffalo, N. Y.
Queen City Glass Wks., 217 W. 2d, Cincinnati, Ohio.
Queen City Iron & Wire Wks. Co., 1431 Blake, Denver, Colo.
Queen City Iron Folding Bed Co., 26 W. 3d, Cincinnati, Ohio.
Queen City Machine Tool Co., 1405 Sycamore St., Cincinnati, O.
Queen City Mattress Co., 946 Betts, Cincinnati, Ohio.
Queen City Paper Co., 515 Eggleston Ave., Cincinnati, O.
Queen City Printing Ink Co., 1929 South, Cincinnati, O.
Queen City Quarry Co., stone prod., East St. Louis, Ill.
Queen City Scale Co., 1628 John, Cincinnati, Ohio.
Queen City Silver Co., Fillmore & Richmond, Cincinnati, Ohio.
Queen City Supply Co., Pearl & Elm, Cincinnati, O.
Queen City Tanning Co., York & McLean, Cincinnati, O.
Queen City Tool Co., machinists, 800 Kensington av., Buffalo, N. Y.
Queen City Varnish Co., (See Ault & Wiborg Co., The), Cincinnati, O.
Queen City Watch Case Mfg. Co., Cincinnati, Ohio.
Queen City Wood Work & Lbr. Co., Springfield, Mo.
Queen-Gray Co., 64-70 W. Johnson St., Germantown, Philadelphia, Pa.
Queen Hair Pin Co. (horn), Leominster, Mass.
Queen Incubator Co., Lincoln, Neb.
Queen Mfg. Co., bath room fixtures, ironing boards, etc., 1647 N. Winchester av., Chicago, Ill.
Queen Metal & Rubber Co., 234-236 Queen St., Philadelphia, Pa.
Queens Borough Brass & Bronze Fndry., 184 Broadway, Long Island City, N. Y.
Queens' Run Fire Brick Co., Lock Haven, Pa
Quehl Sign Co., 318 Main, Cincinnati, Ohio.
Queisser, R. L., Co., masons' matls., Schofield bldg., Cleveland, Ohio.
Quelimal's Lumber & Mfg. Co., Henry, 2461 S. Main, St. Louis, Mo.
Quemahoning Coal Co., bituminous, Somerset, Pa.
Quenelda Graphite Corp., Lineville, Ala.
Quenponco Packing Co. Newark, Md.
Quentin, Peter N., machst. & fndr., Fond du Lac, Wis.
Quick & Thomas Co., Auburn, N. Y.
Quick Action Ignition Co., South Bend, Ind.
Quick Action Magneto Co., South Bend, Ind.
Quick Change Chuck Mfg. Co., The, Arcanum, O.
Quick Elec. Heater Co., radiators, 12 E. Circle, Cincinnati, Ohio.
Quick, James W., machsts. & fndrs., Shawneetown, Ill.
Quick-Kleen Soap Co., 191 Sanford, Brooklyn, N. Y.
Quick Meal Stove Co., machsts. & brass composition fndrs., 2001 S. Kings Highway, St. Louis, Mo.
Quick, S. F., & Son, contractors, Yonkers, N. Y.

QUICKWORK COMPANY, THE, St. Marys, O.
Pres.—H. Collier Smith.
V. P.—A. F. Smith.
Secy.—H. E. Groves.
Treas.—A. F. Smith.
New York—Grand Central Palace.
Foreign:
Manchester, England—Oliver Machinery Co.
Johannesburg, South Africa—D. Drury & Co., Ltd.

Quidnick-Windham Mfg. Co., shade cloth mfrs., Willimantic, Conn.
Quigg Mfg. Co., lumber, Livermore, Ky.
Quigley & Dorp, machsts., Camden, N. J.
Quigley & Meeker, contrs., 19 Yo. & Sharon, Youngstown, Ohio.
Quigley & Son, Jas. J., 1342 Ridge St., Philadelphia, Pa.

QUIGLEY FURNACE SPECIALTIES CO., 26 Cortland st., New York.

Quigley Furniture Co., Whitesboro, N. Y.
Quill & Co. (Paste), 660 W. Lake St., Chicago.
Quill, J. M., Constr. Co., 221 W. 9th, Cincinnati, Ohio.
Quill, M. F., & Son, contrs., Gerke Bldg., Cincinnati, O.
Quillman, Benj., Hardware Co., Norristown, Pa.
Quillman Cooperage Co., Quitman, Ga.
Quimby & Co., J. L., (Oils & Supplies), 278 Water St., New York.
Quimby Engineering Co., 450 N. 10th St., Philadelphia, Pa.
Quimby Inc., Wm. E., 5th av., C., Newark, N. J.
Quinault Lbr. Co., Raymond, Wash.
Quinault Shingle Co., Humptulips, Wash.
Quinby, A. T., & Son, mill & facty. supplies, Laconia, N. H.
Quinby, J. M., & Co., auto bodies, guards, fenders, etc., 24 Sterling E. O., Newark, N. J.
Quincy Av. Granite Co., Quincy, Mass.
Quincy Casket Co., Quincy, Ill.
Quincy Casting Co., Quincy, Ill.
Quincy Column Turning Co., granite, Quincy, Mass.
Quincy Egg Carrier Co., Quincy, Ill.
Quincy Electric Sup. Co., 113 Maine St., Quincy, Ill.
Quincy Elevator Gate Co., Quincy, Ill.
Quincy Foundry & Novelty Co., Quincy, Ill.
Quincy Motor Co., machsts., Quincy, Ill.
Quincy Pattern Co., Quincy, Ill.
Quincy Quarries Co., Quincy, Mass.
Quincy Show Case Works, Quincy, Ill.
Quincy Stove Mfg. Co., Quincy, Ill.
Quincy White Lime & Cement Co., Quincy, Ill.
Quinebaug Co., cotton sheetings, Danielson, Conn.
Quinlan, M. W., carriages, Brookline, Mass.
Quinn & Co., 1347 Harrison Ave., Cincinnati, O.
Quinn & Co., K. J., 481 Chelsea St., (Leather Finishes), East Boston, Mass.
Quinn Bros., plumbers, mill & facty. supplies—jobbers, Paterson, N. J.
Quinn, Clement K., & Co., iron ores, Alworth bldg., Duluth, Minn.
Quinn, H. A., Lumber Co., Council Bluffs, Iowa.
Quinn, J. E., horse collars, Toledo, Ohio.
Quinn, J. J., Co., contrs., Miami, Fla.
Quinn, Jno. F., Co., glass stainers, 256 W. 31st, New York.
Quinn, Roy D., mandrils & rubber cement mixing machy., Willoughby, Ohio.
Quinn Supply Co., plumbers' supplies—jobbers, 29 S. Western av., Chicago, Ill.
Quinn Wire & Iron Works, Boone, Ia.
Quinsigamond Pressed Steel Co., sheet metal stamping, 62 Jackson, Worcester, Mass.
Quintard Iron Wks., Co., machsts., fndrs., ship bldrs., etc., 40 Wall st., New York.
Quinton Glass Co., fertilizer mfrs., Quinton, N. J.
Quinton Supply Co., Quinton, Okla.
Quints Sons Co., S. H., 15 S. 4th St., Philadelphia, Pa.
Quirin & Bro., Jno., St. Clair, Pa.
Quirin Leather Press Co., Olean, N. Y.
Quirk, Jas. A., Truck Co., 721 Cass, St. Louis, Mo.
Quist, A. W., contrs., H. Hoge bldg., Seattle, Wash.
Quitman Foundry & Machine Co., Quitman, Ga.
Quynn, Allen G., & Co., whol. hdwe., Frederick, Md.
R. & G. Soap & Supply Co., Binghamton, N. Y.
R. & H. Mfg. Co., flush switch plates, Cleveland, Ohio.
R. & H. Platinum Works, rivets, 709 6th av., New York.

R. & S. ENGRAVING & DIE WORKS, 617-631 W. Jackson blvd., Chicago, Ill.

R. & S. Mach. Co., 24 L. S. Boston, Mass.
R & V Motor Company, East Moline, Ill.
R. B. Company, The, 401 Lathrop Bldg., Kansas City, Mo.
R. C. Can Co., 121 Chambers, St. Louis, Mo.
R. C. H. Corp., storage battery trucks, 33 Woodbridge E., Detroit, Mich.
R. I. Crucible Steel Co., 604 S. Main St., Providence, R. I.
R. I. V. Co., 1755 Broadway, New York.
R. P. K. Pressed Metal Co., shoe-trees & sheet metal stamping, Bridgeport, Conn.
R. T. Mfg. & Sales Co., hose clamps, Green Bay, Wis.
R. U. V. Co., Inc., quartz lamps, sterilizers, etc., 383 Madison av., New York.
Raabe & Manger, Albuquerque, N. Mex.
Raasch, G. A., mach. & fndr., Higginsville, Mo.
Raban, W. A., vehicle washers, Broad, Portchester, N. Y.
Rabbitt, Michael, & Sons Co., contractors, 1026 Water st., Toledo, Ohio.
Rabe Mfg. Co., sashes, doors & blinds, New Bremen, O.
Rabe, Otto, patterns, 158 N. Desplaines, Chicago, Ill.
Rabe Pipe & Foundry Co., 23rd St., Chattanooga, Tenn.
Rabenold, Chas. F., 1524 Chestnut, Philadelphia, Pa.
Raber & Lang Mfg. Co., Kendallville, Ind.
Rabus & Toeller, machsts. & fndrs., Cedar Rapids, Ia.
Raby, Hinton & Co., stained glass window mfrs., Mechanicsburg, Pa.
Raby, Peter, Contracting Co., Oswego, N. Y.
Racich Asbestos Mfg. Co., paper, Harris & Hancock, Long Island City, N. Y.
Racich Asbestos Mfg. Co., 609 W. 55th, New York.
Racine Almn. & Brass Fdry. Co., Racine, Wis.
Racine Boat Co., Racine, Wis.

RACINE BOILER & TANK CO., 1523 16th St., Racine, Wis.

Racine Brass & Iron Co., fndrs., Racine, Wis.
Racine Canning Co., Racine, Ohio.
Racine Confectioners' Machy. Co., Racine, Wis.
Racine Electric Co., The, Bridge & Ontario Sts., Racine, Wis.
Racine Elec. Co., see Universal Motor Co. (successor).
Racine, F. L., horse collars, 1215 Cass, Fort Wayne, Ind.
Racine Furnace & Fdy Co., Racine, Wis.
Racine General Mfg. Co., whol. wagon hdwe., horse clothing & auto accessories, Racine, Wis.
Racine Iron & Wire Wks., 1022 Douglas Ave., Racine, Wis.
Racine Malleable & Wrought Iron Co., Racine, Wis.
Racine Mfg. Co., Racine, Wis.
Racine Metal Stamping Co., Racine, Wis.
Racine Rubber Co., Racine, Wis.
Racine-Sattley Co., agric. implement mfrs., Springfield, Ill.
Racine Screw Works, Racine, Wis.
Racine Steel Castings Co., Racine, Wis.

RACINE TOOL & MACHINE CO., 1460 Junction Ave., Racine, Wis.
Pres.—M. E. Erskine.

Racine Trunk Co., Racine, Wis.
Racine Universal Motor Co., grinders, vibrators, etc., 4642 Ravenswood av., Chicago, Ill.
Racine Woolen Mills, blankets, Racine, Wis.
Rackle & Sons Co., Geo., 1104 Prospect Ave., Cleveland, O.
Rackliffe Bros. Co., 256 Park Ave., New Britain, Conn.
Racquette River Paper Co., Potsdam, N. Y.
Radcliffe & Shaw Co., cordage mfrs., Glen Rock, Pa.
Radcliffe, C., & Sons Co., metal buttons, 276 N. J. R. R. av., Newark, N. J.
Radding Co., cornices, 289 Main, Springfield, Mass.
Radecke, H. F., & Sons, packing box mfrs., Bush & Ridgely, Baltimore, Md.
Radel, Andrew, Fort Jefferson, N. Y.
Radel Leather Mfg. Co., Wilson av., Newark, N. J.
Rademacher Bros., cornices, 343 Fox, Buffalo, N. Y.
Rademaker, H., & Sons, base ball mfrs., bats, etc., Grand Rapids, Mich.
Rader, Edward B., brick, Coplay, Pa.
Rader, F. B., canned goods, Troutville, Va.
Rader, Hy., cornices, 27 Thorne, Jersey City, N. J.
Radford & Wright Co., sashes, doors & blinds, Lbr. Ex., Minneapolis, Minn.
Radiant Manufacturing Co., Sandusky, O.
Radiator Footwarmer Co., 107 Tioga, Ithaca, N. Y.
Radina, L. W., Lbr. Co., Clark & Dalton av., Cincinnati, Ohio.
Radio & Scientific Apparatus Co., see Heintz & Kohlmoos, Inc. (successor).
Radio Corp. of America, 64 Broadway, New York.
Radio Electric Co., loud speakers, Fremont, Ohio.
Radio-Fone-O-Graf Co., radio app., Elizabeth, N. J.
Radio Industries Co., 131 Duane St., New York.
Radio Instrument & Panel Co., radio couplers, Box 75, Cicero, Ill.
Radio Mat Slide Co., 167 W. 48th, New York.
Radio Service Laboratories, amplifying transformers, Asbury Park, N. J.
Radio Shop, Sunnyvale, Calif.
Radio Specialty Co., receivers & amplifiers, 96 Park pl., New York.
Radio Storage Battery Co., 1228 Folsom, San Francisco, Calif.
Radio Supply Co., Albuquerque, N. M.
Radio Telephone & Mfg. Co., 179 Greenwich, New York.
Radio Telephone Shop, condensers, 175 Steuart, San Francisco, Calif.
Radio Testing Station, Binghamton, N. Y.
Radioland Co., radio app., Jamaica, N. Y.
Radiolectron Mfg. Co., amplifying transformers, Troy, N. Y.
Radium Chemical Co., Forbes & Meyran Aves., Pittsburgh, Pa.
Radium Dial Company, Pittsburgh, Pa. (See Radium Chemical Co.)
Radium, Ltd., U. S. A., luminous compounds, etc., 2 W. 45th, New York.
Radium Luminous Material Corp., 30 Church st., New York.
Radle, F., pianos, 609 W. 36th, New York.
Rado Co., radiator valves, Milwaukee, Wis.
Radtke Lumber & Supply Co., masons' & bldrs.' matls., Monroe, Mich.
Rae, G., & Co., glass embossers, 173 Prince, New York.
Rae, Robert, contr., Baldwin bldg., Jacksonville, Fla.
Raecolith Flooring Co., The, Haller Bldg., Seattle, Wash.
Raeford Hardware Co., Raeford, N. C.
Raff Co., Raymond A., 1635 W. Thompson St., Philadelphia, Pa.
Raffel & Co., J. M., 8th & Fairmont Ave., Baltimore, Md.
Rafferty Contrg. Co., 624 W. 52d, New York.
Ragan-Brown, Lange Co., machsts. & fndrs., Napoleon, Ohio.
Ragland, W. L., & Son, contractors, Richmond, Va.
Ragley Lumber Co., W. G., Ragley, La.
Ragley, W. G., Lbr. Co., Ragley, La.
Rahmann & Co., Geo., 31 Spruce St., New York.

RAHN-LARMON CO., THE, 2941 Spring Grove Ave., Cincinnati, O.

Rahtz & Schnitzer, archl. iron, 21 E. 137th, New York.
Raider, David, mattresses, 176 Mott, New York.
Rail & River Coal Co., Rockefeller bldg., Cleveland, O.
Rail Joint Co., The, 61 Broadway, New York.
Rail Mine Industrial Co., The, 5713 Euclid Ave., Cleveland, O.
Rail Welding & Bonding Co., 1615 Collamer Ave., Cleveland, O.

RAILROAD ACCESSORIES CORP., 50 Church St., New York.
Pres.—F. C. Lavarack.
V. P. & Treas.—E. M. Deems.

Railroad Printing Co., 105 W. Monroe St., Chicago.

RAILROAD SUPPLY CO., THE, Bedford Bldg., Chicago.
Pres.—E. H. Bell.
V. P.—H. M. Buck, New York.
Secy.—Paul W. Kohnen.
Chicago—H. G. Van Nostrand, M. J. Fox, W. S. Boyce.
Kansas City, Mo.—Finance Bldg., George T. Cook.
Denver, Colo.—512 Equitable Bldg., F. C. Webb.
New York—30 Church St., Room 735. H. M. Buck.
St. Louis, Mo.—584 Arcade Bldg., R. E. Bell.
St. Paul, Minn.—300 Zenith Bldg., G. M. Kenyon.
San Francisco, Cal.—Crocker Bldg., R. D. Hawley.

RAILROAD WATER & COAL HANDLING CO., 608 S. Dearborn St., Chicago.
Pres.—M. D. Miller.
V. P. & Treas.—T. S. Leake.
Secy.—J. H. Wylie.

Railroad Wheel Dog Co., 231 Providence Bldg., Tacoma, Wash.
Railway & Industrial Engineering Co., Greensburg, Pa.
Railway & Industrial Engng. Co., arresters & enclosed, Peoples Bank bldg., Pittsburgh, Pa.
Railway & Locomotive Engineering Co., 114 Liberty St., New York.
Railway & Logging Equipment Co., Mutual Life bldg., Seattle, Wash.
Railway & Traction Supply Co. (Now Roos Foundries Inc.), 1749 Ballou St., Chicago.
Railway Age, 30 Church St., New York.
Railway Appliances Company, Chicago, now the Q. & C. Company, New York.
Railway Audit & Inspection Co., 327 S. La Salle St., Chicago.
Railway Car Door & Equipment Co., 122 S. Michigan Ave., Chicago.

RAILWAY CURTAIN CO., 18 N. Ada St., Chicago.
Pres. & Gen. Mgr.—Plato G. Emery.
Secy. & Treas.—J. T. Caldwell.
Asst. Mgr.—Arden M. Nance.
Chicago—Harry F. Keegan.
New York—30 Church St., John Keegan.
Richmond, Va.—409 Law Bldg., D. B. Parker.
Toronto, Can.—177 Jameson Ave., C. S. Wright.

Railway Devices Co., Central Nat. Bank Bldg., St. Louis, Mo.
Railway Electric Mfg. Co., 135-7 Sycamore St., Milwaukee, Wis.
Railway Electrical Engineer, trade journal, 30 Church, New York.
Railway Equipment Co., 235 Stark St., Portland, Ore.
Railway Improvement Co., 111 Park Ave., New York.
Railway Maintenance Engineer, trade journal, 30 Church, New York.
Railway Materials Co., The, 400 N. Michigan Ave., Chicago.
Railway Mechanical Engineer, trade journal, 30 Church, New York.
Railway Mill & Supply Co., 38 S. Dearborn St., Chicago.
Railway Mine & Supply Co., 1442 McCormick Bldg., Chicago.
Railway Purchases & Stores, trade publication, 95 Clinton st., Chicago, Ill.
Railway Review, 537 S. Dearborn St., Chicago.
Railway Roller Bearing Co., 541 Seymour St., Syracuse, N. Y.
Railway Safety Tie Company, 221 Grand Ave., Milwaukee, Wis.
Railway Signal Engineer, trade journal, 30 Church, New York.
Railway Specialties Corp., 50 Church St., New York.
Railway Steel-Spring Company, 30 Church St., New York.
Railway Storage Battery Car Co., 50 Broad St., New York.
Railway Supply & Mfg. Co., 1234 Harrison Ave., Cincinnati, O.
Railway Supply Co., 11 N. 6th St., St. Louis, Mo.
Railway Telephone Mfg. Co., 9 S. Clinton St., Chicago.
Railway Track-Work Company, E. Thompson & Clementon Sts., Philadelphia, Pa.

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Denver, Colo.—209 Barth Bldg., F. S. McNamara.
Detroit, Mich.—Equity Bldg., Detroit Ry. Supply Co.
Montreal, Que., Can.—10 St. Antoine St., West, O. W. Meissner.
New York—1328 Broadway, James H. Denton.
St. Louis, Mo.—Railway Exchange Bldg., Geo. H. Chadwell.
St. Paul, Minn.—Pioneer Bldg, Minnesota Supply Co.

Rainaud, H. E., Co., leaded glass shades, Meriden, Conn.
Rainbow Guano Co., fertilizer mfrs., Montgomery, Ala.
Rainbow Paper Mills, 239 Broadway, New York.
Rainbow Sprinkler Co., Jacksonville, Fla.
Raine-Andrews Lbr. Co., Evenwood, W. Va.
Raine Lbr. Co., Honey Dew, W. Va.
Rainear & Co., C. J., 513 Arch St., Philadelphia, Pa.
Rainey, Joseph C., furn., 230H S. Second, Philadelphia, Pa.
Rainey, T. C., & Sons, flour mills, Mercer, Tenn.
Rainey, W. J., coke mfr., 52 Vanderbilt av., New York.
Rainey-Wook Coke Co., Inc., 52 Vanderbilt Ave., New York.
Rainier Machine & Supply Co., burners, etc., 2462 1st av. S., Seattle, Wash.
Rainier Motor Corp., Webster Ave., Long Island City, N. Y.
Rainier Ornamental Iron & Wire Works, 4020 8th av. S., Seattle, Wash.
Rainoil Waterproofing Paint & Products Co., harness dressing, 1717 Westlake av. N., Seattle, Wash.
Rainshine Umbrella Co., 715 Main, Kansas City, Mo.
Raisch, A. J., contrs., 46 Kearny, San Francisco, Calif.
Raisler Heating Co., 129 Amsterdam Ave., New York.
Rajah Auto Supply Co., Bloomfield, N. J.
Rajo Motor Co., cylinder heads, 1363 Racine, Racine, Wis.
Rajotte, Albert, brick, Dunellen, N. J.
Rajotte, Fobart & Winters, Realty bldg., Spokane, Wash.
Rakow, Emil C., contrs., Decatur, Ill.
Ral Plumbing Sup. Co., whol. plbg. supplies, Passaic, N. J.
Ralco Mfg. Co., Inc., 123-141 N. Albany Ave., Chicago.
Raleigh Coal & Coke Co., Raleigh, W. Va.
Raleigh Iron Works Co., West & Hargett St., Raleigh, N. C.
Raley Rubber Co., medicinal droppers, etc., New Haven, Conn.
Rall, Alvin, lumber mfrs., Glasgow, Mo.
Ralli Bros., bags, hemp, shellac, etc., 11 William, New York.
Ralph, C. S., & Bro., canned goods, Vienna, Md.
Ralph Co., Hawley Terminal bldg., San Francisco, Calif.
Ralston & Co., N., Niagara Falls, N. Y.
Ralston Iron Works, 20th & Indiana Sts., San Francisco, Cal.
Ralston Iron Works, 20th & Indiana, San Francisco, Calif.
Ralston Steel Car Co., Columbus, O.
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Ramey Mfg. Co., cyclone blowers, Livingston av., Columbus, Ohio.
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Readrite Meter Wks., ammeters, Bluffton, Ohio.
Readsboro Chair Co., furniture—schools, church, Readsboro, Vt.
Read-Wyl-U-Ryd Co., Patterson Bldg., Dayton, O.
Ready & Callaghan Coal Co., 4644 S. Halsted St., Chicago.
Ready Auto Sup. Co., Inc., 1225 Bedford Ave., Brooklyn, N. Y.

READY MADE SIGN CO., 45 Union Square, N., New York.

Ready Mfg. Co., stamping & yarn printing machs., Troy N. Y.
Ready Tool Co., 550 Iranistan Ave., Bridgeport, Conn.
Reagal & S. F. & N. Tracks, sash, door & blind mfrs., Spokane, Wash.
Reagan & Lynch, contractors, Uniontown, Pa.
Reagan Grate Bar Co., Pottstown, Pa.
Real Oil Burner Co., 227 Westlake av. N., Seattle, Wash.
Realite Pencil Company, Chicago (now Autopoint Company).
Realock Co., auto locks, 415 N. 19th, St. Louis, Mo.
Realty Iron Wks. Co., 1980 7th av., New York.
Realty Rubber Co., Massillon, Ohio.
Ream, A. B., brick, River Styx, Ohio.
Reams & Co., furn., Dept. H, Lynchburg, Va.
Reaney & Eliason, masons' & bldrs.' matls., Columbus Junction, Ia.
Reardon & Beckwith Merc. Co., cornices & skylights, Midland, Mich.
Reardon Co., The St. Louis, Mo.
Reardon, J. J., auto tops, Amesbury, Mass.
Reardon, John, & Sons Co., oils, soap, sal-soda, etc., Cambridge, Mass.
Reardon, P. H., screw & spiral conveyors, machy., dlrs., etc., 57 First, San Francisco, Calif.
Rearwin, W. D., die filing machy., Grand Rapids, Mich.
Rearwin, W. D., Grand Rapids, Mich.
Reason, J. D., Co., contractors, Pendleton, Ind.
Reavis, Albert S., Sheet Metal Cornice Co., 719 2d N. E., Washington, D. C.

REBELE, L. J., 828 E. 15th St., Brooklyn, N. Y.

Reber, A. C., canned goods, Ridgely, Md.
Reber, Calvin P., roller bearings, Reading, Pa.
Reber Preserving Co., Eola, Ill.
Rebhun Last Co., 1728 Dana av., Cincinnati, Ohio.
Rebizzo, M., & Co., fruit presses, vermicelli machy., 414 Broadway, San Francisco, Calif.
Rebsamen & Almeroth, 2324 Elston Ave., Chicago.
Rebuilt Typewriter Co., machsts., 138 S. Wabash av., Chicago, Ill.
Rech-Marbaker Co., wagon bldrs. & auto bodies, Dept. H, 8th & Girard av., Philadelphia, Pa.
Rechtin & Bro., Louis E., 215 Butler, Cincinnati, O
Rechtin, Theo. E., masons' & bldrs.' matls., 27 S. 7th, Evansville, Ind.
Recilient Safe Wheel Co., Berkeley, Cal.
Reciprocating Electric Tool Co., Louisville, Ky.
Reckitts (U. S. A.), Ltd., bluing, 90H W. Broadway, New York.
Reckmeyer, W. R., sashes, doors & blinds, Fremont, Neb.
Reckord Bros., canned goods, Bel Air, Md.
Record & Guide, trade publications, 119 W. 40th, New York.
Record Card Co., 382 Jefferson St., Brooklyn, N. Y.
Record Fdry. & Mach. Co., Livermore Falls, Me.
Recording & Computing Machines Co., Dayton, O.
Recording Devices Co., time recorders, Dayton, Ohio.
Recording Register & Fare Box Co., New Haven, Conn. Now The Dayton Fare Recorder Co., Dayton, O.
Records, E. M., Co., canned gds., Forest, Del.
Records, W. T., & Son, flour mills, Laurel, Del.

RECTIGRAPH COMPANY, Rochester, N. Y...Page 958

Rector Chemical Co., Inc., 2 Rector St., New York.
Rector Milling Co., flour, Rector, Ark.
Red Apple Orchard Corp., canned, Shipman, Va.
Red Bank Mills, flour, New Bethlehem, Pa.
Red "C" Oil Mfg. Co., Keyser Bldg., Baltimore, Md.
Red Cedar Corp., 562 Bryant st., San Francisco, Calif.
Red Creek Canning Co., Red Creek, N. Y.
Red Cross Filter Co., 326 W. Washington St., Chicago.
Red Cross Mfg. Co., Bluffton, Ind.
Red Diamond Lumber Co., 1200 Central av., Minneapolis, Minn.
Red Diamond Motors, Inc., Atlanta, Ga.
Red Hand Compositions Co., Inc., paint mfrs., 1 Broadway, New York.
Red Hand Composition Co., Inc., 1 Broadway, New York.
Red Jacket Mfg. Co., Davenport, Ia.
Red Lion Cabinet Co., furniture, Dept. H, Red Lion, Pa.
Red Lion Furniture Co., Dept. H., Red Lion, Pa.
Red Oak Bridge & Iron Works, Red Oak, Ia.
Red Oak Canning Co., Red Oak, Ia.
Red River Lbr. Co., Westwood, Cal.
Red River Oil Co., Alexandria, La.
Red River Valley Brick Corp., Grand Forks, N. D.
Red Salmon Canning Co., 69 Main St., San Francisco, Cal.
Red Star Spoke Co., Fayetteville, Ark.
Red Star Yeast & Products Co., 83 Buffalo, Milwaukee, Wis.
Red Top Steel Post Co., 38 S. Dearborn St., Chicago.
Red Wing Filter Sand Co., Red Wing, Minn.
Red **Wing Linseed Oil Co., Red Wing, Minn.**
Red Wing Mfg. Co., furn., Red Wing, Minn.
Red Wing Milling Co., flour, feed, Red Wing, Minn.
Red Wing Millwork Co., sashes, Red Wing, Minn.
Red Wing Motor Co., Red Wing, Minn.
Red Wing Sewer Pipe Co., Red Wing, Minn.
Redden Construction Co., New London, Conn.
Redden, G. T., & Co., canned goods, Denton, Md.
Reddin Iron Wks., founders, Syracuse, N. Y.
Redding Home Furn. Co., Dept. H, Redding, Calif.
Reddinger, P. H., Mfg. Co., classic wood carvers, Wat. & Del., Evansville, Ind.
Reddy's Sons, M., Little Falls, N. Y.
Reder Foundry Co., 3535 S. Oakley Ave., Chicago.
Rederer, B. S. Co., power plant equipmt., 1405 Arrot bldg., Pittsburgh, Pa.
Redfield & Davis, masons' & bldrs.' matls., Eden, N. Y.
Redfield Brick & Tile Wks., Redfield, Ia.
Redfield, Robert S., packing house machinery, 53 W. Jackson blvd., Chicago, Ill.
Redick, Jos. H., machinist, Spencerville, Ohio.
Redimade Bldg. Co., Tillamook & Larabee sts., Portland, Ore.

REDIN, ECKSTROM & CO., 1439 Railroad Ave., Rockford, Ill.

Redin, John E., machinist & founder, Rockford, Ill.
Redinger, S. G., & Sons, lumber, Templeton, Pa.

REDINGTON CO., F. B., 111 S. Sangamon St., Chicago, Ill.

Redington Hub Co., Robys Corner, N. C.
Redington Standard Fittings Co., Bethlehem, Pa.
Redlands Fruit Assn., fertilizer mfrs., Redlands, Calif.
Redlich Mfg. Co., 637 W. Oak St., Chicago.
Redlinghouse, J., brass & composition fndrs., Newark, N. J.
Redlon, N. E., Co., bldg. contractors, 80 Union, Portland, Me.
Redman-Vane Shipbuilding Co., Key Highway, Baltimore, Md.
Redmanol Chemical Products Co., 626 W. 22nd St., Chicago. (See Bakelite Corp.)
Redmon, Edgar & Redmon, dishwashing mach., Cedar Rapids, Iowa.
Redmon, T. F., flour mills, Mooleyville, Ky.
Redmon, W. C., Sons & Co., baskets, etc., Dept. H, Peru, Ind.
Redmond & Son, B. V., 114 N. Peters St., New Orleans, La.
Redmond, A., carriages, Harrisburg, Pa.
Redmond Juniper Products Mfg. Co., Redmond, Ore.
Redmond, Page & Pond, contrs., Balboa Bldg., San Francisco, Calif.
Redtop Electric Co., heaters & toasters, 8 W. 19th, New York.
Redwing Mfg. Co., furn., Dept. H., Redwing, Minn.
Redwine Brothers, fertilizer, Fayetteville, Ga.
Redwood Export Co., lumber, 260 California, San Francisco, Calif.
Redwood Mfrs. Co., Redcedar wood, Oakland, Calif.
Redwood Mfg. Co., San Francisco, Calif.
Redwood Novelty Co., boxes, 976 12th, Oakland, Calif.
Redwood Sales Co., 216 Pine, San Francisco, Cal.
Redwood Shingle Assn., Eureka, Calif.
Ree, Walter H., Civil Bldg., Tiffin, O.
Reeb Bros., masons' & bldrs.' matls., Belleville, Ill.
Reeb Corp., M. A., 597-599 Michigan St., Buffalo, N. Y.
Reeber's, Jos., Sons Co., bldg. materials, Canal pl. & 138th, New York.
Reece Buttonhole Mach. Co., 502 Harrison av., Boston, Mass.
Reece, E. G., Canning Co., Waldron, Ind.
Reece Folding Mach. Co., 502 Harrison av., Boston, Mass.

Reed & Curtis Mach. Screw Co., Duncan av., Worcester, Mass.
Reed & Barton Corp., Taunton, Mass.
Reed & Duecker 171 N. Main St., Memphis, Tenn.
Reed & Prince Mfg. Co., Duncan Ave., Worcester, Mass.
Reed & Rish, contrs., Marion, Ind.
Reed & Rogers Mfg. Co., agricultural implements, Vernon, Ind.
Reed & Sherwood Mfg. Co., wood tanks, Anoka, Minn.

REED & SKEPPSTROM (Formerly R. & S. Engraving and Die Works), 625 W. Jackson Blvd., Chicago.

Reed & Son, Geo. A., Gloucester, Mass.
Reed & Sons Piano Mfg. Co., 1022 Wilson av., Chicago, Ill.
Reed & Steeger Sash & Door Co., 4211 Chippewa, St. Louis, Mo.
Reed & Vendret, granite, S. Quincy, Quincy, Mass.
Reed, A. S., & Bro. Co., contractors, Wilmington, Del.
Reed, Allen & Reed, stone producers, Albion, N. Y.
Reed Bros. Lumber Co., Ruston, La.
Reed Bros., stone producers, Birmingham, Ala.
Reed-Burns Mfg. Corp., E., 40 Withers St., Brooklyn, N. Y.
Reed, C. D., canned goods, Troutville, Va.
Reed, C. R., cornices & skylights, Kent, Ohio.
Reed, Chas. M., brick, Pennsburg, Pa.
Reed Coal Co., masons' & bldrs.' matls., Fair Haven, Vt.
Reed Company, A. L., Richmond Hill, New York.
Reed Co., Inc., bicycle carriers, Palo Alto, Calif.
Reed, Edw. E., traveling bags, 61 Gorham, Somerville, Mass.
Reed, Evan L., Mfg. Co., Christmas tree holders, display racks, etc., Tipton, Danville, Ill.
Reed, F. E., Glass Co., Rochester, N. Y.
Reed, Francis, Co., drilling machines, Worcester, Mass.
Reed-French Piano Mfg. Co., 435 Wash., Portland, Ore.
Reed, Geo. W., & Son, organs, West Boylston, Mass.
Reed Foundry & Machine Co., Kalamazoo, Mich.
Reed, Harry D., contrs., Schuylkill Haven, Pa.
Reed Hdwe. & Mfg. Co., Cairo, Ill.
Reed Laboratories, 22 E. 16th St., New York.
Reed Lumber Co., Hearst Bldg., San Francisco, Calif.
Reed Mfg. Co., Newark, N. Y.
Reed Mfg. Co., Erie, Pa.
Reed Mfg. Co., Evan L., Sterling, Ill.
Reed Mfg. Corp., rug looms, Springfield, Ohio.
Reed Oil Co., lubricating, Atlanta, Ga.
Reed-Prentice Co., 677 Cambridge St., Worcester, Mass.

REED RAILWAY SUPPLY CO., 113 N. Second St., St. Louis, Mo.
Pres.—T. W. Meloan.
V. P.—T. B. Fitzwilliam.
Sec.—T. N. Karraker.

Reed, S. I. & Co., leather, 210 W. Lake, Chicago, Ill.
Reed Small Tool Wks., Cherry & Vine Sts., Worcester, Mass.
Reed, Wm. T., Co., concrete steel constr., 201 Devonshire, Boston, Mass.
Reed Wire Cloth Wks., 90-100 Leroy St., Newark, O.
Reed Wire Specialties Co., Inc., concrete reinforcing materials, 717 E. 140th, New York.
Reeder, John S., Cincinnati, O.
Reeder, Jno. S., paint mfr., Hamilton, Ohio.
Reeder, Oliver & Son, dry docks, Key Highway and Covington, Baltimore, Md.
Reedsburg Canning Co., Eau Claire, Wis.
Reedy Co., The H. J., 11 W. 2nd St., Cincinnati, O.
Reedy, D. V., Elev. Co., 1026 Kentucky av., Indianapolis, Ind.
Reedy Elevator Co., 520-22 S. New Jersey, Indianapolis, Ind.
Reedy, H. J., Elevator Co., 15 W. 2d, Cincinnati, Ohio.
Reedy Mill Co., flour, Reedy, W. Va.
Rees & Co., machsts., 220 E. 86th, New York.
Rees & Stindt Machine Works, 534 W. 58th St., New York.

REES BLOW PIPE MFG. CO., INC., veneer dryers, exhaust & blow piping, etc., 340 7th, San Francisco, Calif., & 3636 S. Alameda, Los Angeles, Calif.

Rees, James & Sons Co., 18 4th St., Pittsburgh, Pa.
Rees, Jas., & Sons Co., tubular boilers, 18 4th, Pittsburgh, Pa.

REES MFG. CO., 7501 Thomas Blvd., Pittsburgh, Pa.
Pres.—Edw. E. McCoy.
V. P.—E. E. Arnold.
Sec. & Treas.—R. S. Harvey
Sales Mgr.—W. H. Newbaker.
P. A.—W. Carter.

Rees-Scott Co., lbr., Carondelet Bldg., New Orleans, La.
Rees' Sons, Inc., Hans, (Leather), 39 Frankfort St., New York.
Rees, Taylor & Co., Inc., contrs., Trenton, N. J.
Reese & Bro., rural mail boxes, Rolling Prairie, Ind.
Reese & Co., S. W., 55 Ann St., New York.
Reese-Corriher Lbr. Co., Connell, Tex.
Reese, E. C., canned goods, Harrington, Del.
Reese, F. W., broom corn cleaners, machsts. & fndrs., Paris, Ill.
Reese, S. P., & Co., Harrington, Del.
Reese, Sephaniah, machst., Plymouth, Pa.
Reese-Sheriff Lumber Co., Williamsport, Pa.
Reese, W. J., Brass Foundry Co., Keokuk, Iowa.
Reetz, Ewald R., hair cloth mfr., Hulmeville, Pa.
Reetz, R. C., Co., cornices, Pawtucket, R. I.
Reeve & Burr, contractors, Morristown, N. J.
Reeve, Abner S., & Sons, masons' & bldrs.' matls., 952 Ogden, Newark, N. J.
Reeve, Augustus, Camden, N.
Reeve, Augustus, Maple Shade, N. J.
Reeve, Hy. E., machsts. & fndrs., 459 Carroll, Brooklyn, N. Y.
Reeves & Co., Columbus, Ind. See Emerson-Brantingham Co., Rockford, Ill.
Reeves & Co., Paul S., 1415-25 Catherine St., Philadelphia, Pa.

REEVES BROTHERS CO., Alliance, O.

Reeves, Chas. S., machsts. & brass fndrs., Horseheads, N. Y.
Reeves Company, New Orleans, La.
Reeves-Cubberly Engine Co., machsts., Trenton, N. J.
Reeves-Engineering Co., 1476 Bdwy., New York
Reeves, Frank, brick, New Albany, Miss.
Reeves, Jas. M., machsts., Alexandria, Ind.
Reeves Marble Co., Atlanta, Ga.
Reeves Mfg. Co., mitre scales, models & experimental works, Milford, Conn.
Reeves Mfg. Co., The, Dover, O.
Reeves Pulley Co., Columbus, Ind.
Reeves-Sexton Auto Co., Columbus, Ind.

Reeves-Skinner Mchy. Co., 2211 Olive St., St. Louis, Mo.
Reeves Supply Co., plumbers' & steamfitters' supplies, 1304 McGee, Kansas City, Mo.
Reeves, T. C., contrs., Odd Fellows' Bldg., St. Louis, Mo.
Reeves, T. J., & Co., fertilizer, Thomaston, Ga.
Reeves, W. H., & Co., contractors, Greenport, N. Y.
Re-Fil-It-Broom Mfg. Co., 135 Devonshire St., Boston, Mass.
Refineries Construction Co., 109½ Main St., Ft. Worth, Tex.
Refiners Engineering & Supply Co., fullers' earth, 39 S. La Salle, Chicago, Ill.
Refinite Co., The, Refinite Bldg., Omaha, Neb.
Reflectolyte Co., 914-T Pine St., St. Louis, Mo.
Reflector & Hardware Specialty Co., 2235 S. Western Ave., Chicago.
Reflector & Illuminating Co., 565 W. Washington St., Chicago.
Reflex Mfg. Co., transmission linings, 1729 S. Lafayette, Fort Wayne, Ind.
Reflex Spark Plug Co., 3068 W. 106th St., Cleveland, O.
Refractory Products Corp., fire resisting cements, 25 Church, New York.
Refrigerating Specialties Co., 728 S. Sacramento Blvd., Chicago.
Refrigerating World, trade publication, 25 W. Broadway, Woolworth Bldg., New York.
Refrigerating, X. L., Co., 5840 S. Honore, Chicago, Ill.
Refrigo Corp., Forest Home and 18th Aves., Milwaukee, Wis.
Refuge Cotton Oil Co., Vicksburg, Miss.
Regal Belting Co., 2520 Spring Grove av., Cincinnati, Ohio.
Regal Gasoline Engine Co., Pearl and Monroe St., Coldwater, Mich.
Regal Motor Car Co., 586 Piquette St., Detroit, Mich.
Regal Polishing Cloth Co., 2298 Lumber St., Chicago.
Regal Silver Mfg. Co., New Haven, Conn.
Regan & Weller, architects, Bank of Com. Bldg., Memphis, Tenn.
Regan Forge & Engineering Co., oil well supplies, San Pedro, Calif.
Regan, H. & G. P., Inc., harmonicas, etc., 40th av. and E. 10th, Oakland, Calif.
Regan Safety Devices Co., Inc., The, 522 Fifth Ave., New York.
Regenbogen, Philip, trunk mfrs., 736 South, Philadelphia, Pa.
Regenstein-Veeder Co., cardboard, etc., 3432 N. Kimball av., Chicago, Ill.
Regent Brass Co., Marysville, Ohio.
Regent Stove Co., fndrs., Wyandotte, Mich.
Reger, H. P., & Co., heating contrs., 5512 Lake Park av., Chicago, Ill.
Reger, W. L., razors, Reading, Pa.
Regina Co., pianos, Rahway, N. J.
Regina Corp., The, 103 E. 125th St., New York.
Regina Flour Mill Co., St. Louis, Mo.
Regina Swimming Devices & Nov. Co., 22 E. 21st, New York.
Register, H. Bartol, 1520 Locust, Philadelphia, Pa.
Regnall, B. J., Co., contractors, 19 S. La Salle, Chicago, Ill.
Regnas & Co., J. R., 12 Tift Ave., Atlanta, Ga.
Rehberger & Son, Inc., Arthur, 316 Ferry St., Newark, N. J.
Rehberger Mfg. Co., 2159 Lewis St., Chicago.
Rehfuss, Geo., & Sons, machsts., 1311 Carlisle, Philadelphia, Pa.
Rehfuss, Geo. N., 1709 Sousm., Philadelphia, Pa .
Rehkopf Bros., carriages, Topeka, Kan.
Rehkopfs Mattress Co., Texarkana, Tex.
Rehm & Co., 248 Greenwich St., New York.
Rehoboth Packing Co., Rehoboth Beach, Del.
Rehtz, F. C., carriages, Rochester, N. Y.
Reiber-Kolz Co., spot lights, Adrian, Mich.
Reich, John, heating contr., 479 8th, Milwaukee, Wis.
Reichard-Coulston Co., color imp., etc., 95 Madison av., New York.
Reichard, Robert A., 1321 Linden, Allentown, Pa.
Reichard Supply Co., plumbers' supplies, Hagerstown, Md.
Reichardt Piano Co., 1311 Milwaukee av., Chicago, Ill.
Reichel & Drews, (Machsts.), 452 N. Ashland Ave., Chicago.
Reichenbach & Son, W. S., Allentown, Pa.
Reichenbach-Wickenhiser Co., whol. hdwe., Huntington, Ind.
Reichert Cedar Co., lbr. mfrs., Anacortes, Wash.
Reichert Metal Forms Co., 1188 Weil St., Milwaukee, Wis.
Reichhelm & Co., E. P., 24 John St., New York.
Reichley Bros. & Co., lumber, St. Clair, Pa.
Reick, Karl, machsts. & brass fndrs., Veedum, Wis.
Reid & Co., Inc., John, 30 Church St., New York.
Reid & Co., Wm. G., 280 Madison Ave., New York
Reid, A. P. (Est.), sash, door & blind, Parkesburg, Pa.
Reid, A. S., & Co., masons' & bldrs.' matls., 68 Clinton av., Newark, N. J.
Reid, Alex., & Co., tubular boilers, 165 Charles, New York.
Reid-Avery Co., The, 1434-36-38 Brandywine St., Philadelphia, Pa.
Reid Brothers Co., Inc., Beverly, Mass.
Reid Brass Mfg. Co., bath, supply & waste fittings, 595 Kent av., Brooklyn, N. Y.
Reid Bros., Inc., hospital supplies, 91 Drumm, San Francisco, Calif.
Reid Bros. Co., tubular boilers, Bellingham, Wash.
Reid Bros., hospital furniture, Seattle, Wash.
Reid Co., cornices, Moline, Ill.
Reid Creamery & Dairy S. Co., A. H., 69th & Haverford St., Philadelphia, Pa.
Reid, Fred, stone prod., Rockford, Ill.
Reid Gas Engine Co., Joseph, Oil City, Pa.
Reid, J. E., Instrument Co., Inc., dental & optical instruments, 408 N. 12th, Philadelphia, Pa.
Reid, Jos., Gas Engine Co., Oil City, Pa.
Reid Lbr. Co., Selma, Ala.
Reid, M., & Co., contractors, 114 W. 39th, New York.
Reid Metal Refining Co., Erie & Tulip Sts., Philadelphia, Pa.
Reid, Murdoch & Co., canned goods, Clark St. Bridge, Chicago, Ill.
Reid, R. W., machst. & fndr., 264 Hancock, Brooklyn, N. Y.
Reid, Sidney, carriages, Marlboro, N. J.
Reid, W. W., Mfg. Co., metal polish, 17 Caldwell, Boston, Mass.
Reid, Wm. E., contr., Decatur, Ill.
Reid, Wm. W., harness leather, 231 N. Wells st., Chicago, Ill.
Reid, Wilfred C., 217 W. 20th, New York.
Reidenbach, R. P., flour mills, Ashtabula, Ohio.
Reidenouer & Erickson, contrs., 6232 S. Michigan av., Chicago, Ill.
Reidy, Jno. J., linemen's climbers, 261 Humphrey, New Haven, Conn.
Reierson Machinery Co., 1295 Hood St., Portland, Ore.
Reiff & Nestor Co., Tykens, Pa.
Reiff, D. T., carriages, Kokomo, Ind.
Reiges, Tobis B., mchsts., Pottstown, Pa.
Reighard Lbr. Co., Swannanoa, N. C.
Reiland Packing Co., meat packers, Grand Rapids, Wis.
Reilley & Bro., W. W., Brisbane Bldg., Buffalo, N. Y.
Reilly & Lathrop masons' & bldrs.' matls., Northfield, Minn.
Reilly, A. E., roll grinding & corrugating, 60 Cherry, Buffalo, N. Y.
Reilly Bros. & Raub, masons' & bldrs.' matls., whol. hdwe., mill & fcty. supplies, Lancaster, Pa.
Reilley Bros. Ladder Co., 324 W. 41st, New York.
Reilly-Callaghan Coal & Coke Co., bituminous, Uniontown, Pa.
Reilly Company, The, Merchants Bank Bldg., Indianapolis, Ind.
Reilly, Daniel, htg. contr., North Yakima, Wash.
Reilly Engineering Co., heating contrs., College Point, N. Y.
Reilly, Hugh, Co., paint, oils & glass, whol., 1334 New York av. N. W., Washington, D. C.
Rielly, J., Jr., cornices, 319 Park av., Bridgeport, Conn.
Reilly, John, patent leather, 40 Av. C, Newark, N. J.
Reilly Mfg. Co., J. J., (Pumps) 119 N. 10th St., Louisville, Ky.
Reilly, P., & Son, patent leather, Passaic av., Newark, N. J.
Reilly Rubber Co., inner tubes, 2432 E. 56th, Los Angeles, Calif.
Reilly Steam Pump Works, Louisville, Ky.
Reiman, G. E. & E. E., Co., contrs., Nap av. and Pitt, New Orleans, La.
Reiman Lime & Cement Co., masons' & bldrs.' matls., 100 N. 10½, Terre Haute, Ind.
Reiman, Otto, 155 W. Lake St., Chicago.
Reiman Wholesale Electric Co., 224 E. 3d, Los Angeles, Calif.
Reimar, C. F., & Co., contractors, Marshalltown, Iowa.
Reimard Bros., contractors, Bloomsburg, Pa.
Reimer, Jno. B., masons' & bldrs.' matls., Ozone Park, N. Y.
Reimer, Louis A., heating contr., 494 22d, Milwaukee, Wis.
Reimers-Kaufman Co., stone, artificial bldg., Lincoln, Neb.
Reimers, Peter A., cornices & skylights, Davenport, Ia.

REINCKE-ELLIS CO., 215 N. Michigan Ave., Chicago.

Reineke-Wagner Pump & Supply Co., mill & facty. supplies, 416 1st av., Pittsburgh, Pa.
Reinemund Hardware Co., Audubon, Ia.
Reinert Bros. Constr. Co., St. Joseph, Mo.
Reinforced Concrete Co., Arcade Bldg., St. Louis, Mo.
Reinforced Concrete Roof Co., Youngstown, Ohio.
Reinforced Rail Joint Co., 1430 Syndicate Trust Bldg., St. Louis, Mo.
Reinforced Switch & Mfg. Co., Pittsburgh, Pa.
Reinhard Brothers Co., Inc., 11 S. 9th St., Minneapolis, Minn.
Reinhardt Bros., contrs., 218 E. 9th, New York.
Reinhart & Donovan Co., steel structural work, trades nat'l, Oklahoma City, Okla.

REINHARD ELEC. MOTOR CO., 2517 E. 79th St., Cleveland, Ohio.

Reinheimer Quarries Co., New Paris, Ohio.
Reinhold & Meyer Mfg. Co., dairy apparatus & supplies, Plymouth, Wis.
Reinhold Belting & Supply Co., leather belting, 444 Atlantic av., Brooklyn, N. Y.
Reinhold Mfg. Co., machsts., 693 Palmer, Detroit, Mich.
Reinle-Salmon Co., store fixtures, Warner and Ostend, Baltimore, Md.
Reinthal & Newman, advtg. post cards, 57 W. 19th, New York.
Reippel's, Jno., Sons, machsts. & fndrs., Cowanesque, Pa.
Reis, G., & Bro., hosiery bands & labels, 900 Broadway, New York.
Reis, J. B., Lumber Co., Belleville, Ill.
Reis, John, contrs., Two Rivers, Wis.
Reische & Sanborn, contrs., Sioux City, Iowa.
Reischmann Co., furn., 229 W. 36th, New York.
Reischmann & Sons (Inc.), furn., 138H Willow av., New York.
Reisinger, Hugo, (Carbons), 11 Broadway, New York.
Reiser Machine Shop, Ltd., Lake Charles, La.
Reisert Automatic Water Purifying Co., 23 E. 26th, New York.
Reisig, Chas. H., aniline colors, etc., 269 Water, New York.
Reisinger, Robt. L., & Co., bldg. contrs., First National Bank Bldg., Milwaukee, Wis.
Reisner, W. H., Mfg. Co., Hagerstown, Md.
Reiss Bros. Co., see Reiss-Premier Pipe Co. (successors).
Reiss Coal Co., C., Sheboygan, Wis.
Reiss-Premier Pipe Co., 40 S. Clinton st., Chicago, Ill.
Reiter, E. H., boiler flue & tube cleaners, Elgin, Ill.
Reiter, G. C., unmounted elec. bell gongs & stamping, 1917 Henry av. S. W., Canton, O.
Reiter, Irvin T., Co., contrs., Commonwealth Bldg., Philadelphia, Pa.
Reith Polish Co., metal polish, 1626 N. Sawyer av., Chicago, Ill.
Reitnauer, Jas., flour mills, Pikesville, Pa.
Reitz Bros. Co., masons' & bldrs.' matls., Portsmouth, Ohio.
Reitz Bros. Stone Co., 3007 Arsenal, St. Louis, Mo.
Reitz Coal Co., bituminous, Windberg, Pa.
Reitz-Spiegel Furn. Co., Dept. R, 617 Main, Evansville, Ind.
Reitze Wall Paper & Paint Co., 1725 Arapahoe, Denver, Colo.
Relaxo Mfg. Co., children's furniture, etc., 1321 Willow, Los Angeles, Calif.
Relc Extinguisher Corp., 5 Beekman, New York.
Reliable Air Machine Co., 752 E. Pico st., Los Angeles, Calif.
Reliable Auto Parts Co., 244 49th, New York.
Reliable Electric Co., 3145 Carroll Ave., Chicago.
Reliable Electric Motor Co., 165-167 Grand St., New York.
Reliable Engine Co., gas, oil & traction engines, Portsmouth, Ohio.
Reliable Furn. Mfg. Co., 302H Tresident, Baltimore, Md.
Reliable Incubator & Brooder Co., Quincy, Ill.
Reliable Machine & Tool Co., 1214 Dorr, Toledo, Ohio.
Reliable Machine Co., Anderson, Ind.
Reliable Machine Co., see Wheeler Insulated Wire Co. (successor).
Reliable Match Co., Ashland, Ohio.

RELIABLE PARTING CO., Ottawa, Ill.
Pres.—C. W. Woodard.
V. P.—W. F. Jordan.
Sec.—E. G. Woodard.
West Liberty, O.

Reliable Polishing Cloth Co., 1432 S. Trumbull Ave., Chicago.
Reliable Safe & Lock Co., Inc., Covington, Ky.

RELIABLE SAND BLAST CO., THE, 3145 Cottage Grove Ave., Chicago.
Proprietor—W. P. Mott.

Reliable Shirt & Overall Mfg. Co., Sheboygan, Wis.
Reliable Stove Co., 1787 E. 40th, Cleveland, Ohio.
Reliable Tractor & Engine Co., Portsmouth, O.
Reliable Typewriter Co., 170 W. Washington St., Chicago.
Reliable Water Motor & Mfg. Co., see Bremer, O. A., Co., Inc. (successor).
Reliance Architectural Iron Works, 243 Monitor St., Brooklyn, N. Y.
Reliance Automatic Fdry. Co., switches, Racine, Wis.
Reliance Automatic Lighting Co., 510 College Ave., Racine, Wis.
Reliance Ball Bearing Door Hanger Co., 280 Starr, Brooklyn, N. Y.
Reliance Coke Co., Frick Bldg., Pittsburgh, Pa.
Reliance Construction Co., Board of Trade Bldg., Indianapolis, Ind.
Reliance Die & Stamping Co., 501 N. La Salle St., Chicago.

RELIANCE ELECTRIC & ENGINEERING CO., 1564 Ivanhoe rd, Cleveland, O.
Branches:
Boston, Mass.—200 Devonshire.
Chicago, Ill.—431 S. Dearborn
Cincinnati, Ohio—Union Trust bldg.
Detroit, Mich.—1312 Majestic bldg.
New York—52 Vanderbilt
Philadelphia, Pa.—316 Perry bldg.
Pittsburgh, Pa.—414 House bldg.

Reliance Elec. Htg. Co., cooking app., Columbia, Pa.
Reliance Elevator Co., 212 W. Austin Ave., Chicago.
Reliance Engraving Co., Arrott Power Bldg., Pittsburgh, Pa.
Reliance Engng. Co., machsts. & fndrs., Lansing, Mich.
Reliance Equipment Co., mill & facty. supplies, Mobile, Ala.
Reliance Fertilizer Co., Savannah, Ga.
Reliance Fireproof Door Co., West St., Greenpoint Ave. and Milton St., Brooklyn, N. Y.
Reliance Foundry Co., 1020 S. Broadway, Pasadena, Calif.
Reliance Fndry. Co., Richmond, Ind.
Reliance Gauge Column Co., 5902 Carnegie Ave., Cleveland, O.
Reliance-Grant Elevator Equipment Corp., 101 Park Ave., New York.
Reliance Hardware & Mfg. Co. (also hdwe. spec.), 3036 W. Chicago av., Chicago, Ill.
Reliance Instrument Co., Inc., 1135 W. Van Buren St., Chicago.
Reliance Machine Mfg. Co., Kittanning, Pa.
Reliance Mach. Wks., Hedge and Plum, Philadelphia, Pa.
Reliance Machinery Sales Co., 1407 Brighton St., Pittsburgh, Pa.
Reliance Machy. & Supply Co., mill & factory supplies, 217 S. Peters, New Orleans, La.
Reliance Mfg. Co., 1020 S. Broadway, Pasadena, Calif.
Reliance Mfg. Co., oil extractors, Cleveland, Ohio.
Reliance Mfg. Co., overalls, 212 W. Monroe, Chicago, Ill.

RELIANCE MFG. CO., THE, Massillon, O..Page 1461
Pres.—F. C. McLain.
V. P.—E. W. Hart.
Sec.—W. H. Crawford.
Sales Mgr.—H. J. McGinn.
Chicago—736 Peoples Gas Bldg., D. L. Robertson.
Cleveland, O.—901 Hippodrome Bldg., E. C. Cross.
Detroit, Mich.—3406 Woodward Ave., H. R. Hanna.
Kansas City, Mo.—407 Fullerton Bldg., A. C. Ruie.
New York—258 Broadway, H. P. McCormick.
Distributors:
MASS.—Springfield—E. S. Stacy Supply Co.
Worcester—Brierly-Lombard Co.
N. J.—Trenton—Standard Supply & Equipment Co.
PA.—Altoona—Standard Supply & Equipment Co.
Philadelphia—Standard Supply & Equipment Co.
Pittsburgh—Standard Supply & Equipment Co.
TEX.—Dallas—Briggs-Weaver Machy. Co.

Reliance Metal Spinning & Stamping Co., Inc., 160 John St., Brooklyn, N. Y.
Reliance Milling Co., flour, Murphysboro, Ill.
Reliance Motor Truck Co., Appleton, Wis.
Reliance Oil & Grease Co., wire rope coating, Cleveland, Ohio.
Reliance Oil Engine Corp., 138 Mott St., New York.
Reliance Paint Co., 357 Bond St., Brooklyn, N. Y.
Reliance Pattern Wks., 3202 Smallman, Pittsburgh, Pa.
Reliance Quarry & Constr. Co., stone prod., Alton, Ill.
Reliance Spring & Mfg. Co., Inc., see Newcomb Spring Corp. (successor).
Reliance Steel & Tool Co., 24 Murray St., New York.
Reliance Steel Casting Co., 28th & Smallman St., Pittsburgh, Pa.
Reliance Trailer & Truck Co., Inc., 1642 Howard, San Francisco, Calif.
Reliance Varnish Wks., 104 Johnson, Newark, N. J.
Reliance Weighing Machine Div., Stearns Motor Mfg. Co., Ludington, Mich.
Reliance Wheel Co., Youngstown, O.
Reliance Wire Lamp Shade & Novelty Co., 116 N. Franklin St., Chicago.
Reliance Wood Heel Co., 285 Washington, Somerville, Mass.
Remaly Mfg Co. (Screens), 202-204 Cedar St., Tamaqua, Pa.
Remer Bros., masons' & bldrs.' matls., Saginaw, Mich.
Remhof, Chas., 637 St. Marks Ave., Brooklyn, N. Y.
Remick, A. E., masons' & bldrs.' matls., Kelso, Wash.
Remick, Jas. S., Co., auto accessories, Sacramento, Calif.
Remick, Timothy, & Co., waste, 200 Summer, Boston, Mass.
Remien & Kuhnert Co., enamels, 63 W. Grand av., Chicago, Ill.
Remiler Tire Mfg. Co., Ashland, Ohio.
Remillard Brick Co., Phelan Bldg., San Francisco, Cal.
Reminder Clock Co., automatic interval, East Oakland, Calif.
Remington & Sherman Co. (Safes and Vaults), 1545 N. Delaware St., Philadelphia, Pa.
Remington Arms Co., Inc., 25 Broadway, New York.
Remington Arms-Union Metallic Cartridge Co., Bridgeport, Conn.
Remington Arms-Union Metallic Cartridge Co., Inc., Amm. & Brmn. avs., Bridgeport, Conn.
Remington Cash Register Co., Inc., 385 Madison av., New York.
Remington, Cornelius G., architect, Hampton, Va.
Remington, H. E., & Co., pads & tablets, 753 Main, Fitchburg, Mass.
Remington Machine Co., 409-19 E. Front St., Wilmington, Del.
Remington Noiseless Typewriter Corp., 374 Broadway New York.

Remington Oil Engine Co., Stamford, Conn.
Remington Packing Co., canned goods, Moorhead, Minn.
Remington Paper & Power Co., Inc., Watertown, N. Y.
Remler Radio Mfg. Co., 248 1st, San Francisco, Calif.
Remley, Esley P., ties, Dermott, Ark.
Remmel Manufacturing Co., Kewashum, Wis.
Remmers Soap Co., 2261-75 Spring Grove Ave., Cincinnati, O.
Remmey Son Co., Richard C., Headley St. & Delaware River, Philadelphia, Pa.
Remolite Point Co., Los Angeles, Calif.
Remp, R., brick, Dresbach, Minn.
Rempe & Son, F., 2nd Nat'l Bank Bldg., Cincinnati, O.
Rempe Co., 340 N. Sacramento Ave., Chicago.
Rempe Co., pipe bends, 341 N. Sacramento av., Chicago, Ill.
Rempe Lumber Co., The John, 9 Hulbert Blk., Cincinnati, O.
Rempis & Gallmeyer Fdry. Co., Grand Rapids, Mich.
Remppis Co., Wm. F., Reading, Pa.
Remy Bros. Co., Kokomo, Ind.
Remy Electric Co., Anderson, Ind.
Renaud, D. J., & Son, machsts. & brass fndrs., Carthage, N. Y.
Renault Selling Branch, automobile bldrs., 719 5th av., New York.
Rend, W. P., Coal & Coke Co., McCormick Bldg., Chicago, Ill.
Rendano Bros., 83 Fulton St., Brooklyn, N. Y.
Rendle-Stodard Co., contrs., Chelsea, Mass.
Rendrock Powder Co., 128 Front St., New York.
Renesch, A. & Co., furniture, Wilstach & Dalton, Cincinnati, Ohio.
Re New Lamp Co., Malden, Mass.
Renim Specialty Co., 170 Purchase St., Boston, Mass.
Renfrew Machy. Co. (Ltd.), 67 Erie, Milwaukee, Wis.
Renfrew Mfg. Co., cotton damasks, Adams, Mass.
Renfrew, R. M., canned goods, Fayetteville, Pa.
Renfrow & Dean, flour mills, Dundee, Ky.
Renn & Co., E. N., Haverstraw, N. Y.
Rennacker Construction Co., 10 S. La Salle, Chicago, Ill.
Renn-Davis & Co., mattress mfrs., Portsmouth, Va.
Renneburg & Sons Co., Edw., Baltimore, Md.
Rennolds & Bros. J. A., (Timber), 116 Broad St., New York.

RENNOUS, KLEINLE & CO., 3221-29 Frederick Road, Baltimore, Md. (See Pittsburgh Plate Glass Company, Rennous-Kleinle Division.)

Reno Bros. Paint Co., Pulaski, Pa.
Reno-Kaetker Electric Company, The, 4600 Spring Grove Ave., Cincinnati, O.
Reno-Mercantile Co., Reno, Nev.
Reno Pressed Brick Co., Reno, Nev.
Renoudet, P. L., Lumber Co., Ltd., New Iberia, La.
Renshaw, Jones & Sutton Co., paper boxes, cans, etc., 1231 S. San Pedro, Los Angeles, Calif.
Renshler, John D., coffins, Findlay, Ohio.
Rensselaer & Valatie Mills, sweaters, cardigans, etc., Valatie, N. Y.
Rensselaer Lumber Co., Rensselaer, Ind.
Rensselaer Valve Co., Troy, N. Y.
Renton, Wm., machst. & fndr., Pittsburgh, Pa.
Renulife Elec. Co., violet ray apparatus, 4841 Rivard, Detroit, Mich.
Reo Motor Car Co., Lansing, Mich.
Repass Automobile Co., The, Waterloo, Ia.
Repath Mfg. Co., 649 E. 61st st., Los Angeles, Calif.
Replogle Co., flour mills, Red Oak, Iowa.
Replogle Steel Co., Wharton, N. J.
Reppenhagen, M. E., razor strops, Highland Falls, N. Y.
Repsdorph Tent & Awning Co., Houston, Tex.
Republic Asphalt Paving Co., 801 Schwind, Dayton, Ohio.
Republic Auto Parts Co., 81 Tenth St., Long Island City, N. Y.
Republic Bag & Paper Co., 200 Fifth Ave., New York.
Republic Bank Note Co., 2817 Forbers St., Pittsburgh, Pa.
Republic Belting Co., Inc., The, 213 S. Smallwood St., Baltimore, Md.
Republic Box Co., Inc., New Orleans, La. (See General Box Co.)
Republic Box Co., The 1695 Merwin Et., Cleveland, O.
Republic Box Co., Houston, Tex.
Republic Brass Mfg. Co., 2115 E. 27th st., Los Angeles, Calif.
Republic Carbon Co., Inc., Niagara Falls, N. Y.
Republic Cedar Co., Marinette, Wis.
Republic Coal & Coke Co., 28 E. Jackson Blvd., Chicago.
Republic Color & Chem. Wks., Reading, Pa.
Republic Company, The, 134 Tenth St., Pittsburgh, Pa.

REPUBLIC CREOSOTING CO., 1614 Merchants Bank Bldg., Indianapolis, Ind.

Plants:
Minneapolis, Minn.
Mobile, Ala.
Norfolk, Va.
Salt Lake City, Utah.
Seattle, Wash.
Branch Offices:
Boston, Mass.—516 Beacon Bldg.
Chicago, Ill.—Chamber of Commerce Bldg.
Cleveland, Ohio—1296 Nicholson Ave.
Detroit, Mich.—804 Hammond Bldg.
Minneapolis, Minn.—St. Louis Park.
Mobile, Ala.—Masonic Temple Bldg.
New York, N. Y.—476 W. 152nd.
Niagara Falls, N. Y.—329½ Jefferson Ave.
Philadelphia, Pa.—Real Estate Trust Bldg.
St. Louis, Mo.—304 Security Bldg.
Seattle, Wash.—Central Bldg.

REPUBLIC DIE CASTING CO., 128A Mott St., New York.
Mgr.—M. Cornine.

Republic-Dodge Mfg. Co., carbon paper & typewriter ribbons, 188 3d av., Brooklyn, N. Y.
Republic Electric Co., The, 2067 E. 9th St., Cleveland, O.
Republic Electric Co., Davenport, Ia.
Republic Fence & Gate Co., North Chicago.
Republic Fireproofing Co., Inc., 26 Cortlandt St., New York.

REPUBLIC FLOW METERS CO., 2200 Diversey Parkway, Chicago.

Republic Furn. Mfg. Co., 913 32d, Milwaukee, Wis.
Republic Iron & Steel Co. (Niles Wks.), Niles, Ohio.

REPUBLIC IRON & STEEL CO., steel bars, plates, nuts, spikes, turnbuckles, etc., Youngstown, Ohio.

Branch Offices:
Birmingham, Ala.—E. M. Barnes, manager of sales, Woodward Bldg.
Boston, Mass.—W. H. Hunter, manager of sales.
Buffalo, N. Y.—M. E. Gregg, manager of sales, White Bldg.
Chicago—H. W. Craig, manager of sales, McCormick Bldg.
Cincinnati, Ohio—M. E. McKee, manager of sales.
Cleveland, Ohio—W. E. Collier, manager of sales.
Dallas, Texas—Wm. Anderson, manager of sales.
Detroit, Mich.—C. S. Powers, manager of sales.
New York—Frank Phalen, manager of sales, 17 Battery pl.
Pittsburgh, Pa.—C. T. Johnston, general agent, Oliver Bldg.
Philadelphia, Pa., W. H. Oliver, manager of sales, Morris Bldg.
St. Louis, Mo.—T. R. Talbot, manager of sales.
Youngstown, Ohio—W. B. Topping, general manager of sales, Republic Bldg.

Republic Iron Works, Tecumseh, Mich.
Republic Mfg. Co., flush valves & machsts., 1100 W. 38th st., Chicago, Ill.
Republic Metalw'e Co., The, 100 Alabama, Buffalo, N Y
Republic Mining & Mfg. Co., bauxite, Harrison Bldg., Phila, Pa.
Republic Motor Truck Co., Alma, Mich.

REPUBLIC PIPE & IRON CORP., 23H Varick Ave., Brooklyn, N. Y.

Republic Production Co., Carter Bldg., Houston, Tex.
Republic Railway Equipment Co., Inc., brake beams, center plates & side bearings, Ry. Exchange Bldg., Chicago, Ill.
Republic Rubber Co., Albert St. (Extension), Youngstown, O.
Republic Stamping & Enameling Co., 1st Nat'l Bank bldg., Canton, Ohio.
Republic Steel Package Co., 7030 Jones rd., Cleveland, O.
Republic Stove & Mfg. Co., 1761 E. 39th St., Cleveland, O.
Republic Structural Iron Wks., 1290 E. 53rd St., Cleveland, O.
Republic Supply Co., 408 Frankfort Ave., Cleveland, O.
Republic Supply Co., Houston, Tex.
Republic Supply Co., mill & facty. supplies, jobbers, 123 Water, Pittsburgh, Pa.
Republic Supply Co., oil well & plbg. supplies, 670 2nd, San Francisco, & 2122 E. 7th, Los Angeles, Calif.
Republic Tanning Co., chamois, 2301H S. Paulina, Chicago, Ill.
Republic Tanning Co., 2240 Diversey Ave., Chicago.
Repult, J. W., lbr., Plantersville, Miss.
Requa Electric Supply Co., 95 St. Paul St., Rochester, N. Y.
Requa Mfg. Co., manicure sets, 1193 Atlantic av., Brooklyn, N. Y.
Requa, S. E., lbr. mfrs., Monsey, N. Y.
Requarth Co., F. A., Monument & Sears St., Dayton, O.
Res Mfg. Co., spice cabinets, holders, hooks, etc., 2907 Meinecke av., Milwaukee, Wis.
Reschke Machine Works, Wichita, Kans.
Research Mfg. Co., pickling compounds, Oak Lane Station, Pa.
Reserve Lumber Co., The, 1782 Scranton Rd., Cleveland, O.
Resilient Safewheel Co., Berkeley, Cal.
Resler, J. A., sashes, doors & blinds, Caledonia, Ohio.
Reslow Chem. Co., pthalic anhydride, Lyndhurst, N. J.
Resolute Pottery Co., 3rd St., Trenton, N. J.
Ress, W. N., machsts., Lincoln, Neb.
Restein Clement Co., mill & facty. supplies, 139 N. 2d, Philadelphia, Pa.
Restorall Products Co., polishing mops, 11 Moore, New York.
Restroff & Bettmann, 165 Mercer St., New York
Restrick Lbr. Co., 1016 Vinewood av., Detroit, Mich.
Retail Coalman, trade publication, Monadnock Bldg., Chicago, Ill.
Retail Druggist, trade publication, 254 W. Lafayette blvd., Detroit, Mich.
Retail Lumberman Publishing Co., trade publication, Gates Bldg., Kansas City, Mo.
Retardo Fire Proof Paint Co., 416 E. North av., Milwaukee, Wis.
Retherford, R. Milt, electric desk lights, 109 N. High, Muncie, Ind.
Retherford Bros. Co., Muncie, Ind.
Retsof Mining Co., rock salt mfrs., 2 Rector, New York.
Retsof Mining Co., Scranton, Pa.
Rettig, F. J., & Sons, mill & facty. supplies, Wabash, Ind.
Retting Furn. Co., Grand Rapids, Mich.
Reubens, S., & Bro., scrap brass, 259 Front, New York.
Reul Bros., sash, door & blind, Helenville, Wis.
Reule Fred'k, mill & facty. supplies, Lafayette, Ind.
Reus Brothers Co., The, 150 W. Mt. Royal Ave., Baltimore, Md.
Reusche, L., & Co., gold paint, 34 Union Sq., New York.
Reuter Elec. Co., 120 6th, Cincinnati, O.
Reuter, G. A., lumber, Fort Recovery, Ohio.
Reuter, Henry & Sons, cornices & skylights, Kankakee, Ill.
Reuter Hub & Spoke Co., Dexter, Mo.
Reuter, Inc., Carl H., Land Title Bldg., Philadelphia, Pa. (Calculating Machines).
Reuter Milling Co., flour, Flat River, Mo.
Reuther Bros., fndrs., Harrison, N. J.
Reuther Mfg. Co., potato diggers, Hamburg, N. Y.
Reuting, D. F., sash, door & blind, Titusville, Pa.
Reutschler Bros., carriages, 1767 15th, San Francisco, Calif.
Revell & Co., A. H., 141 S. Wabash Ave., Chicago.
Revere Drop Forge Co., Revere, Mass.
Revere Motor Cars Corp., Logansport, Ind.
Revere Rubber & Supply Co., see U. S. Rubber Co., Mechanical Goods Div. (successor).
Revere Rubber Co., Chelsea, Mass. (See United States Rubber Co., New York).
Revere Sugar Refinery, 15 Broad, Boston, Mass.
Reeves-Shorter Co., fertilizer mfrs., Eufaula, Ala.
Revis, Inc., Wm. H., 140 W. 42nd St., New York.
Revo Mfg. Co., 1002 40th av., Oakland, Calif.
Revolute Machine Company, General Office and Factory 417 E. 93rd St., New York.
Revolution Cotton Mills, Greensboro, N. C.

REVOLVATOR CO., 395 Garfield Ave., Jersey City, N. J.

Revolving Door & Fixture Co., 556 W. 27th St., New York.
Rex Buggy Co., carriages & wagons, Connersville, Ind.
Rex File Co., Newcomerstown, O.
Rex Filter Co., water, 162 William, New York.
Rex Hoop, Stave & Heading Co., Helena, Ark.
Rex Knitting Co., Little Falls, N. Y.
Rex Mfg. Co., Connersville, Ind.
Rex Mfg. Company, die cast castings, ball cocks, 1039 Cotton, Oakland, Calif.
Rex Mfg. Co., water closets, 738 Fidalgo, Seattle, Wash.
Rex Mfg. Co., 38 E. South St., Corry, Pa
Rex Metal Works, babbitt metal, solder & smelters, 1st av. S., & Snokane, Seattle, Wash.
Rex Milling Co., flour, Drapers, Va.
Rex Motor Car Mfg. Co., New Orleans, La.
Rex Paper Co., Kalamazoo, Mich.
Rex Plaster Co., magnesite, Los Angeles, Calif.
Rex Robinson Furn. Co., Dept. H., Grand Rapids, Mich.
Rex Steel Stamping Co., Joliet, Ill.
Rex Typewriter Co., 49 B'way, New York.
Rex Typewriter Co., Fond du Lac, Wis.
Rexford Paper Co., gummed tape, etc., 598 Clinton, Milwaukee, Wis.
Rexim Co., Inc., 724 Cherry St., Philadelphia, Pa.
Rexine Co., metal polish, hand soap, Sheboygan, Wis.
Reyburn, Hunter, Foy Co., 819 Bway, Cincinnati, O.
Reyburn Mfg. Co., 23rd & Allegheny Sts., Philadelphia, Pa.
Reymann, Paul O., Co., meat packers, Nat'l Bk. Bldg., Wheeling, W. Va.
Reyner, J., & Son, ship chandlery, Newport News, Va.
Reynolds & Co., B. F., 17 W. Illinois St., Chicago.
Reynolds & Co., saws, 1220 Real Estate Trust Bldg., Phila., Pa.
Reynolds & Hughes, contrs., 423 St. Paul, Baltimore, Md.
Reynolds & Reynolds Co., pads & tablets, Dayton, Ohio.
Reynolds & Sons, Inc., James T., Pontiac, Mich.
Reynolds & Son, mill & facty. supplies, Barre, Vt.
Reynolds, A., masons' & bldrs.' matls., Russell, Pa.
Reynolds Bros., hand cut files, Columbus, Ohio.
Reynolds Bros. Lumber Co., Albany, Ga.
Reynolds Bros., wood handles, Corunna, Ind.
Reynolds Chalom Foundry Co., Watervliet, N. Y.
Reynolds Constr. Co., 308 S. 9th, Newark, N. J.
Reynolds, E. J., & Co., furnace sand, Utica, N. Y.
Reynolds, E. J., Sand Co., Utica, Ill.
Reynolds, E. W., canned goods, Troutville, Va.
Reynolds Electric Co., 2650 W. Congress St., Chicago.
Reynolds Engineering Co., Moline, Ill.
Reynolds Env. Sealer Co., 111 N. Market St., Chicago.
Reynolds, Gardner W., plumbers' solder, Meriden, Conn.
Reynolds Gas Regulator Co., Anderson, Ind.
Reynolds, H. B., Mfg. Co., fountains (poultry), Fredericktown, Ohio.
Reynolds, H. M., Shingle Co., Grand Rapids, Mich.
Reynolds Home Mixture Guano Co., Reynolds, Ga.
Reynolds, J. O., & Co., broom corn, Dept. H., Mattoon, Ill.
Reynolds, J. S., & Co., canned goods, Frederica, Del.
Reynolds, J., & Son, hot air furnaces, 1613 Filbert, Phila., Pa.
Reynolds, James, Co., green house heating, 195 State, Rochester, N. Y.
Reynolds, James, Mfg. Co., removable screw calks, 99 Mill River, New Haven, Conn.
Reynolds Leather Goods Co., suit cases & traveling bags, Putnam, Conn.
Reynolds, L. W., elec. contr., Wallingford, Conn.
Reynolds Machine Co., Massillon, O.
Reynolds Oil & Grease Co., mill & facty. supplies, 59 Long Wharf, Boston, Mass.
Reynolds Preserving Co., Sturgeon Bay, Wis.
Reynolds, R. J., Tobacco Co., machinists, Winston Salem, N. C.
Reynolds, S. H., canned goods, Nace, Va.
Reynolds Sand Co., E. J., Utica, Ill.
Reynolds Shingle Co., H. M., Godfrey & R. R. Sts., Grand Rapids, Mich.
Reynolds Spring Co., Water at Bridge, Jackson, Mich.
Reynolds Stamp & Stencil Wks., 103 Westminster St., Providence, R. I.
Reynolds, T. H., Constrg. Co., 50 Park pl., New York.
Reynolds-Teschner & Volk Co., Inc., 46 Vesey St., New York.
Reynolds, W. A., Lumber Co., Spencerville, Ohio.
Reynolds, W. J., stone producers, Roscoe, N. Y.
Reynolds Wire Co., 216 River St., Dixon, Ill.
Rezlite Mfg. Co., sanitary flooring & water proofing materials, Peoples Gas Bldg., Chicago, Ill.
Rezner Mfg. Co., founders, Mercer, Pa.
Rhamy, W. H., masons' & bldrs.' matls., Findlay, Ohio.
Rhein Bros., mattresses, 6011 S. State, Chicago, Ill.
Rheinstein & Haas, contractors, 21 E. 40th, New York.
Rheinstrom Bros., Co., canned goods, 919 Martin, Pearl & E. Front, Cincinnati, Ohio.
Rhinehart Grain Co., Unipolis, Ohio.
Rhineland Mach. Wks. Co., 1727 B'way, New York.
Rhinelander Box & Lbr. Co., Rhinelander, Wis.
Rhinelander Iron Co., Rhinelander, Wis.
Rhinelander Paper Co., Rhinelander, Wis.
Rhinelander Refrigerator Co., Rhinelander, Wis.
Rhinesmith & Simonson, sash, door & blind mfrs., Lafayette & Wab. Ry., Ft. Wayne, Ind.
Rhino, G. N., 639 S. San Pedro ct., Los Angeles, Calif.
Rhoades & Co., R. W., Long Island, City, New York.
Rhoads & Sons, J. E., 12 N. 3rd St., Philadelphia, Pa.
Rhoades, P. T., & Sons, contrs., McKeesport, Pa.
Rhoads, Irwin G., boiler compounds, 57 N. 2d, Philadelphia, Pa.
Rhoads, J. E., & Sons, mill & facty. supplies & round belting mfrs., 57 N. 2d, Philadelphia, Pa. & Wilmington, Del.
Rhoads, Maurice R., contractors, architects, Chambersburg, Pa.
Rhoads, Samuel, farm wagons, Anderson, Ind.
Rhode Bros., trunk mfrs., 254 S. 3d, Philadelphia, Pa.
Rhode Bros., 254 S. 3rd St., Philadelphia, Pa.
Rhode Island Braiding Mach. Co., 228 Aborn, Providence, R. I.
Rhode Island Brass Foundry Co., 9 Charles, Providence, R. I.
Rhode Island Brush Co., 50 Daniel av., Providence, R. I.
Rhode Island Card Board Co., 163 Exchange St., Pawtucket, R. I.
Rhode Island Cement Drain Pipe Co., 143 River St., Providence, R. I.
Rhode Island Covering Co., 104 S. Water St., Providence, R. I.
Rhode Island Fittings Co., Hills Grove, R. I.
Rhode Island Humidifier Co., Boston, Mass.
Rhode Island Malleable Iron Works, Hills Grove, R. I.
Rhode Island Supply & Sprinkler Co., 156 West Exchange, Providence, R. I.
Rhode Island Sup. & Engr. Co., Providence, R. I.
Rhode Island Telephone & Elec. Co., 55 Pine, Providence, R. I.
Rhode Island Tool Co., 156 West Exchange, Providence, R. I.
Rhode Island Washer Co., insulating & plumbers' washers, Valley Falls, R. I.
Rhode Island Wire Wks., 45 Willard av., Providence, R. I.
Rhodes & Co., Inc., James H., Hunterspoint Ave. & Dutch Kills Canal, Long Island City, N. Y.
Rhodes & Co., Inc., Jas. H., 187 W. Austin Ave., Chicago.
Rhodes & Co., Inc., J. C., 128 Front St., New Bedford, Mass.
Rhodes & Manvel, Inc., 90 West St., New York.
Rhodes Bros., masons' & bldrs.' matls., Mount Carroll, Ill.
Rhodes, G. W., turpentine, Woodville, Fla.
Rhodes-Hamel Mfg. Co., 6623 Stanford av., Los Angeles, Calif.

Rhodes, I. M., & Co., mill & facty. supplies, Meadville, Pa.
Rhodes, Jas. H., & Co., chemicals, 2810 S. Albany, Chicago, Ill.
Rhodes, Jamison Co., Oakland, Calif.
Rhodes, Jamieson Co., masons' & bldrs.' matls., Alameda, Calif.
Rhodes, L. E., machinist, 107 Oak, Hartford, Conn.
Rhodes, M. M. & Sons, upholstery nails, shoe laces & hooks, etc., Taunton, Mass.
Rhodes Mfg. Co., (Furnaces), Grand Rapids, Mich
Rhodes Mfg. Co. (Machinery), 984 Park Ave., Hartford, Conn.
Rhodes Metallic Packing Co., Inc., Shreveport, La. (Now The Colossus Company, Inc.)
Rhodes, S. O., lumber, Elizabeth, Pa.
Rhodes, Salt & Borax Co., San Francisco, Calif.
Rhodhiss Mills Co., cotton sheeting, Rhodhiss, N. C.
Rhome Milling Co., flour, Rhome, Tex.
Rhyne, A. M., & Co., lbr., Avinger, Tex.
Rhyne Bros., Lumber Co., Cartersville, Ga.
Rib Lake Lumber Co., Rib Lake, Wis.
Ribbeck, F. J., cornices & skylights, New Iberia, La.
Ribble, R. W., & Co., slate, 1st & B'way, Bangor, Pa.
Riblet Tramway Co., 2103 N. Division St., Spokane, Wash.
Ric-Wil Co., conduits, Union Trust Bldg., Cleveland, Ohio.
Ricard-Brewster Oil Co., 15th & Walnut, Wilmington, Del.
Ricca & Son, pianos, 89 South blvd., New York.
Rice & Adams Corp., 180 Chandler St., Buffalo, N. Y.
Rice & Co., Edw. E., 620 Atlantic Ave., Boston, Mass.
Rice & Co., Inc., 251 Mt. Vernon St., Lowell, Mass.
Rice & Co., Louis P., New Orleans, La.
Rice & Co., rfg. slate mfrs., Granville, N. Y.
Rice & Fisher, 705 Union Central Bldg., Cincinnati, O.
Rice & Hochester, 377 5th av., New York City.
Rice & Lockwood Lbr. Co., 307 Main, Springfield, Mass.
Rice & Miller Co., wholesale hardware, Bangor, Me.
Rice & Rutledge, flour, Woodleaf, N. C.
Rice & Sons, J., Kingston, N. Y.
Rice, A. H., Co., silk thread, Pittsfield, Mass.
Rice, A. W., lumber, Millbury, Mass.
Rice, Arthur Wallace, architect, Union Trust Bldg., Baltimore, Md.
Rice, Barton & Fales M. & Iron Co., 65 Tainter St., Worcester, Mass.
Rice, C., Packing Co., meat, Covington, Ky.
Rice, Daniel J., htg. contractors, 405 Lexington av., New York.
Rice-Dobby Chain Co., Millbury, Mass.
Rice, Edw. J., & Son, plumbers, 203 Main, W., Rochester, N. Y.
Rice, F. I., & Bennett, htg. contrs., 36 Chardon, Boston, Mass.
Rice, Frank L., Motor Co., machsts. & fndrs., East Boothbay, Me.
Rice, H. H., Co., box shooks, South Athol, Mass.
Rice Hub & Rim Co., The, Marengo, Ind.
Rice, Inc., A. L., Adams, New York.
Rice, J. S., & W. M., Lbr. Co., Houston, Tex.
Rice, Jacob, & Sons, machinists, Kingston, N. Y.
Rice, John, machinist, Salineville, Ohio.
Rice, L. M., & Co., contrs., L. C. Smith Bldg., Seattle, Wash.
Rice Lake Excelsior Co., Rice Lake, Wis.
Rice Lake Iron Works, machinists & founders, Rice Lake, Wis.
Rice Lake Lumber Co., Rice Lake, Wis.
Rice Lake Mfg. Co., sash, door & blind, Rice Lake, Wis.

RICE MANUFACTURING CO., 1011 Fletcher Savings & Trust Bldg., Indianapolis, Ind.

Rice, Marshall H., Monument Co., granite prod., 409 E. 18th, Kansas City, Mo.
Rice-Oberman Co., overalls, Joplin, Mo.
Rice, Peter, contr., Greencove Spring, Ga.
Rice, P. J., bldg. contr., 459 Layton blvd., Milwaukee, Wis.
Rice, Tracy J., brass fndrs., Amherst, Ohio.
Rice Veneer & Lbr. Co., Ann St., N. W., Grand Rapids, Mich.
Rice's, Bernard, Sons, table silverware, 325 5th av., New York.
Rich & France, 607-609 W. 12th Pl., Chicago.
Rich & McLean, machy. dlrs., 73 Beekman, New York.
Rich-Alloy Co., assayers, anodes, solder, etc., 13223 Euclid av., Cleveland, O.
Rich Bros., rattan furniture, 7 East Pratt, Baltimore, Md.
Rich, C. E., & Co., contrs., Lancaster, Wis.

RICH CO., J. & G., 126 N. 6th St., Philadelphia, Pa.

Rich Hdwe. Co., auto springs & whol. hdwe., Phoenix, Ariz.
Rich, Harry T., 332 S. Dearborn st., Chicago, Ill.
Rich, J., & Bros., fiannels, gloves, lumbermen's socks, Woolrich, Pa.
Rich, J. W., canned goods, Deer Creek, Ill.
Rich, Jno. P., Swanton Jct., Vt.
Rich, Louis, Constr. Co., East St. Louis, Ill.
Rich Lbr. Co., Manchester Depot, Vt.
Rich McFarlane Cut Stone Co., 2707 26th av., S., Minneapolis, Minn.
Rich Mfg. Co., water gauges, lubricators, eccentric oilers, etc., 370 Atlantic av., Boston, Mass.
Rich Pump Co., South & Depot, Cincinnati, Ohio.
Rich Steel Products Co., Battle Creek, Mich.
Rich-Sampliner Co., E. 61st & Euclid, Cleveland, O.
Rich, T. E., Co., sash, door & blind, Barre Plains, Mass.
Rich Tool Co., 513 Railway Exchange, Chicago.
Rich, W. T., Lbb. Co., ties, Moorhead, Miss.
Rich, Wm. H., Jr., umbrella mfr., 164 5th av., New York.
Richard & Conover Hardware Co., 5th & Wyandotte, Kansas City, Mo.
Richard & Co., Geo., 557 W Monroe St., Chicago.
Richard Co., Stephen, Southbridge, Mass.
Richard, F. A., Blow Pipe Wks., 3308 S. Main st., Los Angeles, Calif.
Richard, Frank & Gardner Co., mill & facty. supplies, 47 South, New York.
Richard, John M., Co., lbr., Old Nat'l Bk. Bldg., Spokane, Wash.
Richard Mfg. Co., machy., presses, etc., Bloomsburg, Pa.
Richard Sanitary Mfg. Co., 441 2d, San Francisco, Calif.
Richardi & Bechtold, woodenware mfrs., Bellaire, Mich.
Richards & Conover Hdwe. Co., 205 W. 1st, Oklahoma City, Okla.
Richards & Co., Inc., 200 Causeway St., Boston, Mass.
Richards & Gaston, contractors, 143 Liberty, New York.
Richards & Hirschfeld, Inc., machinery dealers, 50 Church, New York.
Richards & Kelly Mfg. Co., 309-311 W. 23rd St., Chicago.
Richards, A. J., & Son, masons' & bldrs.' matls., Quincy, Mass.
Richards, Albert J., auto. axles, springs & tops & carriages, 632 W. Jefferson, Louisville, Ky.
Richards, Benj., & Co., machsts. & fndrs., Winsted, Conn.
Richards Brick Co., Palace Bldg., Edwardsville, Ill.
Richards Bros., cornices & skylights, Waldboro, Me.
Richards Brush Co., 1001 Dearborn, Seattle, Wash.
Richards, C. Whitfield, lubricating oils & greases, drilling compounds, 1732 Carlton, Philadelphia, Pa.
Richards Chair Panel Co., 6068 Stony Island av., Chicago, Ill.
Richards Constr. Co., Clarksburg, W. Va.
Richards Corp., O. S., 67 34th St., Brooklyn, N. Y.
Richards, D. M., masons' & bldrs.' matls., Kettle Falls, Wash.
Richards, Dexter, & Sons Co., fiannels, woolen, Newport, N. H.
Richards-Ford Train Control Co., 623 Melville Ave., Baltimore, Md.
Richards, Fred J., mattresses, mops, cotton waste, etc., 32 Lakeside, Springfield, Mass.
Richards, G. Whitfield (Lubricants), 1732-34 Carlton St., Philadelphia, Pa.

RICHARDS HARDWOOD LUMBER CO., American & Australian hardwood lbr., ship timbers, etc., 480-486 Brannan, San Francisco, Calif.

Richards, H. C., gas engines, mill & facty. supplies, Manitowoc, Wis.
Richards, H. H., Lumber Co., West Haven, Conn.
Richards, I. P., Co., Providence, R. I.
Richards Iron Works, machsts. & fndrs., Manitowoc, Wis.
Richards, J. A., machinist, Albion, Mich.
Richards, J. R., diamond drilling, Indiana, Pa.
Richards, John R., granite, Quincy, Mass.
Richards, L. W., cornices & skylights, Falls Bldg., Memphis, Tenn.
Richards Machine Co., 3417-19 Vliet St., Milwaukee, Wis.
Richards Mfg. Co., pipe coverings, 325 Scribner av., Grand Rapids, Mich.
Richards Mfg. Co., camp stools, Marietta, Ohio.

RICHARDS SHOOK CORP., 23 W. 44th St., New York.

Richards, Stockwell, contrs., Watertown, N. Y.
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Richards, Walter W., buttons, Muscatine, Ia.

RICHARDS-WILCOX MFG. CO., 200 Third St., Aurora, Ill.

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Kansas City, Mo.—206 Reliance Bldg., H. G Starks.
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Richardson & Co., Inc., 518 Oliver Bldg., Pittsburgh, Pa.
Richardson & Co., W. H., Austin, Tex.
Richardson & Dutt, sash, door & blind mfrs., 789 3d av., New York.
Richardson & Gray, consulting engnrs., 220 Devonshire, Boston, Mass.
Richardson & Robbins Co., Dover, Del.
Richardson & Ross Quarry Co., granite & stone producers, Penna. Bldg., Philadelphia, Pa.

RICHARDSON & TALLMAN, S. Lodge St., Shelbyville, Ill.

Mgr.—G. L. Tallman.
Sec.—J. G. Quiett.

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Richardson Ball Bearing Skate Co., 154 E. Erie, Chicago, Ill.
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Richardson Boat Co., motor boats, No. Tonawanda, N. Y.
Richardson Brass Co., Edro, 318 N. Halliday, Baltimore, Md.
Richardson Brothers, 8 Reach St., New York.
Richardson Bros., carriages, Richmond, Va.
Richardson Bldg. & Engng. Co., Story Bldg., Los Angeles, Calif.
Richardson, Chas. A., hardware specialties, West Mansfield, Mass.
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Richardson Co., 42 Market St., San Francisco, Cal.
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Richardson Drug Co., glass, Omaha, Neb.
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Richardson, E., Co., lumber mfrs., Saginaw, Mich.
Richardson, Edro, Brass Co., mchsts. & fndrs., 318 N. Holliday, Baltimore, Md.
Richardson E. W., & Co., 2029 Frankford, Phila., Pa.
Richardson, F. W., masons' & bldrs.' matls, Owego, N. Y.
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Richardson Furn. Co., 20H Sudbury, Boston, Mass.
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Richardson, Geo. O., Machy. Co., St. Joseph, Mo.
Richardson, Geo. W., slide rules, 4212 W. 24th pl., Chicago, Ill.
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Richardson, J. W., Fdry. & Metals Corp., castings, 1066 62nd, Brooklyn, N. Y.
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Richardson, Jos. B., & Sons, masons' & bldrs.' matls., Trenton, N. J.
Richardson Lubricating Co., Quincy, Ill.
Richardson Lumber Co., A. H., 176 Federal St., Boston, Mass.
Richardson Lumber Co., A. M., Helena, Ark.
Richardson Lumber Co., Alpena, Mich., & Florence, Ala.
Richardson Machy. Co., Geo. O., St. Joseph, Mo.
Richardson Mfg. Co., pie plates, Bath, N. Y.
Richardson Mfg. Co., Worcester, Mass. (See Bateman & Companies, Inc., New York.)
Richardson, P. B., masons' & bldrs.' matls., Trenton, N. J.
Richardson-Phenix Co., 118 Reservoir Ave., Milwaukee, Wis.
Richardson Piano Case Co., Leominster, Mass.
Richardson, R. D., Constr. Co., Cannell st., Scranton, Pa.
Richardson, R. E., & Co., lumber, West Point, Va.
Richardson Sand Co., 133 W. Washington blvd., Chicago, Ill.

RICHARDSON SCALE CO., Passaic, N. J.

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Chicago—209 S. State St.
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New York—30 Church St.
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Richardson, T. P., canned goods, Boone Mill, Va.
Richardson, W. H., lumber mfrs., 4981 Neosha, St. Louis, Mo.
Richardson, W. P., & Co., contractors, Duval Bldg., Jacksonville, Fla.
Richardson, W. R., & Sons, canned goods, Troutville, Va.
Richardson, W. T., & Co., canned goods, Rising Sun, Md.
Richardson, Wright & Co., bedstead mfrs. & hospital furniture, 65 Beverly, Boston, Mass.
Richenecker, Chas. G., carriages, Watervliet, N. Y.
Riches, Piver & Co., oxide of iron, 30 Church, New York.
Richeson, Nelson & Moore, Greenville, O.
Richey, Browne & Donald, Inc., Maspeth, N. Y.
Richey, Halstead & Quick, lbr., 702 Traction Bldg., Cincinnati, Ohio.
Richey Sand Co., Omaha, Neb.
Richey, T. R., lbr. mills, Atlanta, Tex.
Richfield Oil Co., petroleum, Los Angeles, Calif.
Richholt Bros., brick, Holgate, Ohio.
Richland Cotton Oil Co., Richland, Ga.
Richland Handle Co., Butler, Ohio.
Richland Home Mixture Guano Co., Richland, Ga.
Richlands Brick Co., Richlands, Va.
Richmond & Backus Co., 603 Woodward Ave., Detroit, Mich.
Richmond & Daniels, Inc., contrs., 90 West, New York.
Richmond & Holmes, tubular boilers, St. John, Mich.
Richmond & Kemp, archi. iron, 1840 Germantown, Philadelphia, Pa.
Richmond Broom Co., broom mfrs., Richmond, Va.

Richmond Bros. Co., 177 Chestnut St., Newark, N. J.
Richmond Bros., paint mfrs., 114 W. 5th, Cincinnati, Ohio.
Richmond Carriage Works, Richmond, Ky.
Richmond Casket Co., Richmond, Ind.
Richmond Cedar Wks., Richmond, Va.
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Richmond Corrugated Paper Co., 306 S. 6th St., Richmond, Va.
Richmond-Dewey Co., masons' & bldrs.' matls., Pontiac, Mich.
Richmond, F. C., Machinery Co., Salt Lake City, Utah.
Richmond Engineering Co., Brook Ave. at S. A. L. Ry., Richmond, Va.

RICHMOND FIREPROOF DOOR CO., Richmond, Ind.

Richmond, Fredericksburg & Potomac RR., Richmond, Va.
Richmond Forgings Corp., Richmond, Va.
Richmond Fdry. & Mfg. Co., Richmond, Va.
Richmond Furn. Mfg. Co., Dept. H, Richmond, Ind.
Richmond Guano Co., fertilizer mfrs., Richmond, Va.
Richmond Hardware Co., Richmond, Va.
Richmond Hill Foundry Co., grey iron castings, Richmond Hill, N. Y.
Richmond Iron Works, Richmond Furnace, Mass.
Richmond, Knight C., mill engr., 526 Grosvenor, Providence, R. I.
Richmond Lumber Co., Richmond, Ky, & Vt.
Richmond Machinery Co., F. C., Salt Lake City, Utah.
Richmond Malleable Castings Co., Richmond, Ind.
Richmond Mfg. Co., machsts. & fndrs., Lockport, N. Y.
Richmond Metal Products Co., Inc., Richmond, Va.
Richmond Mica Co., Richmond, Va.
Richmond Paper Mfg. Co., Richmond, Va.
Richmond Piston Ring Co., Richmond, Ind.
Richmond Pressed Metal Works, Inc., trunk hardware mfrs., Stockton & 6th, Richmond, Va.
Richmond Printing Ink Co., 16 N. 4th, Richmond, Va.
Richmond Radiator Co., Inc., 1430 Broadway, New York
Richmond, Robt. P., paper & pulp mills, Valatie, N. Y.
Richmond Roller Mills, flour, Richmond, Ind.
Richmond Sanitary Mfg. Co., plumbers' supplies, 2135 Bay, Los Angeles, Calif.
Richmond Sanitary Co., 10th & Division st., San Francisco, Calif.
Richmond School Furniture Co., Muncie, Ind.
Richmond Screw Anchor Co., 61 Park Row, New York.
Richmond Standard Mfg. Co., air compressors, gas engines & patterns, Richmond, Ind.

RICHMOND STOVE CO., 2506 E. Main, Richmond, Va.

Richmond Structural Steel Co., Richmond, Va.
Richmond Water Softener Co., Richmond, Ind.
Richmond Woodworking Co., coffins, caskets, etc., Richmond, Va.
Richter & Co., machsts. & fndrs., 210 E. 9th, Cincinnati, Ohio.
Richter, A. G., arch'l iron, 411 E. 22d, New York.
Richter Brass Co., The, 214 E. 9th St., Cincinnati, O.
Richter, Gustav F., surgical & dental insts., Hollis av., Brooklyn, N. Y.
Richter, H. F., Mach. & Tool Works, kerosene oil burners, 216 Aliso, Los Angeles, Calif.
Richter, Joseph, & Son, contrs, 863 Glenwood av., Buffalo, N. Y.
Richter, Julius, lumber, Chesaw, Wash.
Richter Mfg. Co., Tenafly, N. J.
Richter, Otto F., cornices & skylights, Holyoke, Mass.
Richton Lumber Co., Richton, Miss.
Richwood Clay Co., Richwood, Ohio.

RICKARD & COMPANY (Adv.), 25 Spruce St., New York.

Rickard, G. K., fertilizer mfr., Medina, Ohio.
Rickard, Ira D., machst. & fnds., Cobleskill, N. Y.
Ricker & Sons, T. H., Harrison, Me.
Ricker Machinery Co., contrs.' tools, Monadnock Bldg., San Francisco, Calif.
Ricker Mfg. Co., manhole junction boxes, hay carriers, etc., 239 N. Water, Rochester, N. Y.
Rickersberg Brass Co., machsts. & fndrs., Perkins & E. 37th, Cleveland, Ohio.
Rickerson Supply Co., Inc., masons' matls., Troy, N. Y.
Rickert-Shafer Co., Erie, Pa.
Rickert's Rice Mills, 210 Girod, New Orleans, La.
Ricketson & Schwarz, masons' & bldrs.' matls., 432 Broadway, Milwaukee, Wis.
Ricketson Mineral Paint Works, S. Bay St., Milwaukee, Wis.
Rickett, E. H., 112 Webster pk., Columbus, Ohio.
Ricketts & Bartlett Range Co., 25 W. Illinois St., Chicago.
Ricketts & Co., Inc., chemical engrs., 80 Washington, New York.
Rickless, A., & Co., buffing wheels, Chelsea, Mass.
Ricks Bros., lumber & canned goods, Reynolds, Ga.
Ricks-McCreight Lumber Co., Oliver Bldg., Pittsburgh, Pa.
Ric-wiL Co., The, 522 Guardian Bldg., Cleveland, O.
Riddell Bros., machinists & founders, Atlanta, Ga.
Riddiford Bros., fdry. brushes, 30 S. Wells, Chicago, Ill.
Riddle & Shields, contractors, Bellingham, Wash.

RIDDLE CHEMICAL COMPANY, INC., 35 S. Dearborn St., Chicago.

Riddle Coach & Hearse Co., carriages, Ravenna, Ohio.
Riddle Co., 200 3rd Ave., Nashville, Tenn.
Riddle Co., The Edward N., Broadway & Ottawa St., Toledo, O.
Riddle, F. C., & Bro., Casket Co., 1400 Hogan, St. Louis, Mo.
Riddle, Frank D., machinist & founder, Caro, Mich.
Riddle-Rehbein Mfg. Co., 13th & O'Fallon Sts., St. Louis, Mo.
Riddle Sheet Metal Wks., 1067 Folsom st., San Francisco, Calif.
Ridenbaugh, W. H., masons' & bldrs.' matls., Boise, Idaho.
Rider-Ericsson Engine Co., 20 Murray St., New York.
Rider Packing Co., canned goods, Crothersville, Ind.
Rider, P. L., mill & facty. supplies, 317 Main, Worcester, Mass.
Rider-Upright Mfg. Co., Inc., brushes, metal polish, etc., 936 S. Main, Los Angeles, Calif.
Rider, Wm. E., & Co., grate bar mfrs., Mansfield, Mass.
Rider, Wm. W., brick, Athens, N. Y.
Ridersville Canning Co., Ridersville, W. Va.
Ridge Coal Mining Co., 37 W. Van Buren, Chicago, Ill.
Ridge Spring Oil Mill, meal, Ridge Spring, S. C.
Ridgeley Trimmer Co., Inc., Springfield, O.
Ridgely & Co., Chas. A., Old Colony Bldg., Chicago.
Ridges Food Co., 20 Yeoman, Boston, Mass.
Ridgeview Sand Co., Oil City, Pa.
Ridgeway, Jas B., file & rasp mfrs., Gorham, Me.
Ridgeway, Wilbur J., masons' & bldrs.' matls., Roselle Park, N. J.
Ridgway & Sons, B., 9th St. and Columbia Ave., Philadelphia, Pa.
Ridgway & Son, B., 9th St. and Columbia Ave., Ridgway & Son Co., Craig, Coatesville, Pa.
Ridgway Brick Co., Ridgway, Pa.
Ridgway Dynamo & Engine Co., Ridgway, Pa.
Ridgway Furnace Co., 80 Beverly, Boston, Mass.
Ridgway Mach. Co., Ridgway, Pa.
Ridgway-Quest Co., (Paints), 2514-22 W. 48th Pl., Chicago.
Ridley, Geo. B., & Sons, cornices & skylights, Brunswick, Me.
Ridley, Graham B., 255 California av., San Francisco, Calif.
Ridlon Co., Frank, 257 A St., Boston, Mass.
Ridway Refrigerator Co., 5th & Tioga, Philadelphia, Pa.
Riebe Ball Bearing Co., Inc., imptrs. of ball bearings, 210 W. 54th, New York.
Riebe, Herman, Co., contractors, Lansford, Pa.
Riebe Soap & Chemical Works, 801 Roy, Seattle, Wash.
Rieber Laboratories, 667 Howard, San Francisco, Calif.
Rieboldt, Wolter, & Co., ship builders, Sturgeon Bay, Wis.
Riechman-Crosby Co., 223 S. Front St., Memphis, Tenn.
Rieck Sheet Metal Co., cornices, Monument & Taylor, Dayton, Ohio.
Riedel & Sons Mfg. Co., brass founders, New Brighton, Pa.
Riedel, J. M., 304 Noll blk., Fort Wayne, Ind.
Riegel Sack Co., Woolworth Bldg., New York.
Riehle Bros. Testing Mach. Co., 1424 N. 9th St., Philadelphia, Pa.
Riehl, H., & Son, machinists, 1130 Orianna, Philadelphia, Pa.
Riehm Knitting Mills, sweaters, etc., Adams & Unity, Frankfort, Philadelphia, Pa.
Rieker Instrument Co., 1919-21 Fairmount Ave., Philadelphia, Pa.
Riel, Geo. F., lbr., Hyams, La.
Rieley, H. M., & Bros., canned goods, Blue Ridge Springs, Va.
Rieley Bros., contractors, 348 Arcade, Cleveland, Ohio.
Riemer, A. H., Shoe Co., 606 Wells, Milwaukee, Wis.
Riemer, Louis A., htg. contr., 650 3rd, Milwaukee, Wis.
Ries & Hoelzel, traveling bags, 636 Race, Philadelphia, Pa.
Rieseck Iron Works, steel, structural, 1201 Metropolitan, Pittsburgh, Pa.
Riesener, Bernard A., machst. & fndr., Houston, Tex.
Riesenman Mfg. Co., Ltd., Franklin, Pa
Riesens, Paul, Sons, contractors, 1018 Humboldt av., Milwaukee, Wis.
Riess Light & Fixture Co., 415 Main, Cincinnati, Ohio.
Riessner, Thos., 428 Lafayette St., New York.
Riester & Thesmacher Co., 1514-26 W. 25th St., Cleveland, O.
Rietbrock Land & Lbr. Co., 700 Cedar, Milwaukee, Wis.
Rife, A. W. & J., Co., brick & tile, Good Hope, Ohio.

RIFE HYDRAULIC ENGINE MFG. CO., 90 West St., New York.

Rigby, Ben, heating contractor, 604 W. Lake, Chicago, Ill.
Rigby, H., mill & facty. supplies, Paterson, N. J.
Rigby, James, & Son, flour mills, Cambria, Va.
Riggin, R., & Bro., canned goods, Crisfield, Md.
Riggs & Bro., W. & R., 310 Market St., Philadelphia, Pa.
Riggs, Distler & Stringer, heating contractors, 25 Light, Baltimore, Md.
Riggs, Geo. H., stone, Newport, R. I.
Riggs Optical Co., Omaha, Neb.
Riggs-Terrell Lumber Co., Metropolitan Bank Bldg., New Orleans, La.
Right Mfg. Co., Marion E., Taylor Bldg., Louisville, Ky.
Righter & Kolb, decorative architects, 420 Madison av., New York.
Righter, Geo. W., machinist, Radnor, Pa.
Righter, J. C., cornices, Salem, N. J.
Rightquick Publicity & Addressing Bureau, 1331 Arch St., Philadelphia, Pa.
Rigid Tool Holder Co., 3322 Volta pl., Washington, D. C.
Rigler, F. A., Ink Co., Battle Creek, Mich.
Rigling, Wm., Egg Tester & Mfg. Co., Hamilton, Ohio.
Riker, C. M., Coal Co., Paducah, Ky.
Riker, J. L. & D. S., caustic soda, potash, etc., 19 Cedar, New York.
Rikerd Lumber Co., Lansing, Mich.
Riley & French, silver novelties, North Attleboro, Mass.
Riley, Benj. F., mill & facty. supplies, Chester, Pa.
Riley Bros., auto. windshields, Bridgeton, N. J.
Riley Bros. Oil Corp., Commerce Bldg., Kansas City, Mo.
Riley, C. E., Co., tex. machy., supplies, etc., 200 Devonshire, Boston, Mass.
Riley Fdry. & Mach. Wks., Jno. F., Charleston, S. C.
Riley, Geo., & Co., cylinder heads for Fords, 2954 W. Pico, Los Angeles, Calif.
Riley, John F., machst. & fndr., Charleston, S. C.
Riley, John J., Co., machsts. & fndrs., Van Brunt, Brooklyn, N. Y.
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Riley Packing Co., canned goods, Farmington, Del.
Riley, Sanford Stoker Co., 228 West, Worcester, Mass.
Riley, Wm. F., Const. Co., contrs., Victoria Bldg., St. Louis, Mo.
Riley, Wm. H., & Son, harness, Bryan, Ohio.
Riley's Dry Dock Co., ft. Mechanic, Buffalo, N. Y.
Rilling, J. E., & Co., furniture for public bldgs., 107 34th, Milwaukee, Wis.
Rimmer, A. C., naval architects, 452 Lexington av., New York.
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Rimple-Morgan Plow Co., San Jose, Calif.
Rinald Bros., 1100 Front St., Philadelphia, Pa.
Rinaldi Tile Co., floor mosaics, 263 Atlantic av., Boston, Mass.
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Rinck, John G., oven bldr., Williams & Colerain, Cincinnati, Ohio.
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Rincon Iron Works, 27 Hawthorne, San Francisco, Calif.
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Rinehart, Daniel, whol. hdwe., Waynesboro, Pa.
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Ringen Stove Co., Div., American Stove Co., 827 Chouteau St., St. Louis, Mo.
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Riordan Leather Co., 252 South, Newark, N. J.
Riordan, T. G., Mfg. Co., razor strops, 3943 Lincoln av., Chicago, Ill.
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Ripley, C. S., fndr., So. Union, Me.
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Rittenhouse Bros., columns, Cadiz, Ohio.
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Rittenhouse, J. F., agricultural implements, Liberty Mills, Ind.
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R

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CALIF.—San Diego—Geo. C. Weare, First National Bank Bldg.
San Francisco—H. M. Holway, 1007 Hobart Bldg., Garfield 522.
COLO.—Denver—O. H. Davidson Equipment Co., 1633 Tremont St., Main 6350.
CONN.—Hartford—Topper & Griggs, 40 Trumbull St.
FLA. — Jacksonville — Lockwood-Dobson Co., Bisbee Bldg.
Tampa—A. L. Anderson, P. O. Box 1933.
GA.—Atlanta—Logan Bleckley, Jr., 919 Atlanta Trust Bldg.
ILL.—Peoria—H. F. Kircher, Lehmann Bldg.
IND.—Indianapolis—C. B. Mayer, Lemcke Bldg., Circle 7878.
South Bend—W. W. Ridenour, 110 Dean Bldg.
MASS.—Boston—Northeastern Metal Co., 45 Bromfield St., Main 0258.
MICH.—Detroit—Francis C. Bagby, 616 Penobscot Bldg., Hemlock 4130-W.
Saginaw—E. J. Fettig, 610 Bearinger Bldg.
MINN. — Minneapolis — Speers-Jevne, 832 Builders Exchange Bldg., Atlantic 6800.
MO.—Kansas City—Carter-Waters Corp., 225 Finance Bldg., Harrison 9339.
St. Louis—B. H. Mueller, 1887 Ry. Exchange Bldg. Olive 1371.
MONT.—Billings—Frank W. Richardson, Electric Bldg.
Butte—Frank W. Richardson, Metals Bank Bldg.
NEB.—Omaha—Geo. W. Alwine, 658 Brandies Theatre Bldg.
ORE. — Portland — P. L. Cherry Co., 1113 Porter Bldg., East 0614.
PA.—Allentown—H. N. Crowder, Jr., Co., 444-6 Union St.
Easton—H. N. Crowder, Jr., Co., 31 N. 4th St.
Scranton—F. H. Coffin, Board of Trade Bldg.
OKLA.—Tulsa—The Erection Engineering Co., 310 1st National Bank Bldg.
TENN.—Knoxville—Chas. M. Allen, 407 Burwell Bldg.
Nashville—E. T. Kirkpatrick & Co., 57 Arcade.
TEX.—El Paso—Francis Wagner, Martin Bldg.
Houston—R. B. Archer, 401 Keystone Bldg.
UTAH—Salt Lake City—L. Brandenburger, 419 Dooley Bldg.
WASH.—Seattle—S. W. R. Daily, 332 Pioneer Bldg., Main 0678.
Spokane—R. H. Hoskins, 510 Hyde Bldg.

(Continued on following page)

ROBERTSON CO., H. H.—Continued.
Foreign:
CAN.—Vancouver, B. C.—B. & S. H. Thompson & Co., Ltd.
Winnipeg—B. & S. H. Thompson & Co., Ltd.
New Glasgow, N. S.—B. & S. H. Thompson & Co., Ltd.
Toronto, Ont.—B. & S. H. Thompson & Co., Ltd., Royal Bank Bldg.
Garnet Lea, 289-291 Sumach st.
Montreal, Que.—B. & S. H. Thompson & Co., Ltd., McGill Bldg.
Export Division;
N. Y.—New York, 170 Broadway.
ENG.—Ellensmere Port near Birkenhead.
London—E. C. 3, Eng., 110 Fenchurch st.
BEL.—Brussels—Ernest Lemal, 4, Avenue Victoria.
ARGEN.—Buenos Aires—Anglo Argentine Iron Co., Ltd., Morene 508.
INDIA—Calcutta—Ewing & Co., Ltd., 4, Clive Row.
AUS.—Melbourne—Noyes Bros. (Melbourne), Ltd., 499-501 Bourke st.
NEW ZEALAND — Auckland — Spedding, Ltd., 20, Fort st.
S. AFRICA—Johannesburg—G. H. Langler & Co., Ltd., Harrison st.
JAVA—Soerabaya—Van Leiyveld & Co.
JAPAN—Marunouchi, Tokyo—H. E. Root, Yusen Bldg.
P. I.—Manila—Wm. H. Anderson & Co.
CUBA — Havana — Francis O'Keefe, Manzana de Gomez 517.
CEN. AMERICA—Guatemala City—Wm. Gamalero, Edificio San Marcos, 8-A Avenida Sur.

Robertson Co., J. F., 621 Park Bldg., Pittsburgh, Pa.
Robertson Co., J. T., 147 Richmond Ave., Syracuse, N. Y.
Robertson, D. W., Bradford, Pa.
Robertson, E. A., lbr., Petersburg, Va.
Robertson, E. B., machst., South Norwalk, Conn.
Robertson, E. C., & Son, paper & pulp mills, Hinsdale, N. H.
Robertson Elec. Constr. Co., 151 W. Mohawk St., Buffalo, N. Y.
Robertson Fertilizer Co., Norfolk, Va.
Robertson, Geo. W., & Co., contractors, Columbus, Ind.

ROBERTSON, INC., LEO F., 540 W. 22nd St., New York.

Robertson, J. G., 2542 University Ave., St. Paul, Minn.
Robertson, J. L., Mach. Co., Paris, Ill.
Robertson, J. T., masons' & bldrs.' matls., Woodstock, Ga.
Robertson, James & R. J., naval architects, 24 California, San Francisco, Calif.
Robertson, Jas. C., granite, Barre, Vt.
Robertson, James G., & Sons, steam specialties, 78-80 Murray, New York.
Robertson, James, Lead Co., lead pipe mfrs., 827 S. Howard, Baltimore, Md.
Robertson, Jas., Mfg. Co., plumbers' supplies—jobbers, 108 Hopkins pl., Baltimore, Md.
Robertson Lumber Co., Minneapolis, Minn.
Robertson-MacDonald Lumber Co., Humble Bldg., Houston, Tex.
Robertson Machine & Foundry Co., W., 56-58 Rano St., Buffalo, N. Y.
Robertson Mfg. Co., Inc., 1443 Niagara St., Buffalo, N. Y.
Robertson Mfg. Co., Jas., 106 Hopkins Place, Baltimore, Md.
Robertson, O. H., Forestville, Conn.
Robertson Paint & Varnish Co., 2606 East 76th St., Cleveland, O.
Robertson Paper Co., Bellows Falls, Vt.
Robertson Paper Co., Montville, Conn.
Robertson-Peacock Co., 30 2d st., Portland, Ore.
Robertson Products Co., Inc., Theo. B., 700-04 W. Division St., Chicago.
Robertson Steel & Iron Co., W. F., Elm and Second Sts., Cincinnati, O.
Robertson, Strader & Co., lbr., Belero Creek, N. C.
Robertson Supply Co., P. O. Box 1551, Orlando, Fla.
Robertson, Theo. B., Products Co., liquid soap, 700 W. Division, Chicago, Ill.
Robertson, W. F., Steel & Iron Co., steel hoops & box straps, etc., Elm & Commercial, Cincinnati, Ohio.
Robertson, Wm., & Son, contractors, 15 Exchange pl., Jersey City, N. J.
Robertson's, Wm., Sons, paper & pulp mills, Putney, Vt.
Robeson Cutlery Co., Rochester, N. Y.
Robeson Mfg. Co., fertilizer, Lumberton, N. C.
Robeson Preservo Co, Port Huron, Mich.
Robeson Process Co., 200 5th Ave., New York.
Robeson-Rochester Corp., Cutlery Division, 176 Anderson, Rochester, N. Y.
Robesonia Iron Co., Robesonia, Pa.
Robey-Robinson Lumber Co., Palmyra, Mo.
Robin, J. I., Park Ave. & 131st St., New York.
Robin Radio Mfg. Co., receivers & amplifiers, 47 Warren, New York.
Robin, T. W., lumber, Castle Rock, Wash.
Robinia Pin Co., insulator pins, Shippinsburg, Pa.
Robins, A. J., flour mills, Ozan, Ark.
Robins, A. K., & Co., machsts., 116 Market pl., Baltimore, Md.
Robins Bros., granite, Barre, Vt.

ROBINS CONVEYING BELT CO., 15 Park Row, New York.
Sales Offices:
Boston—7 Water
Chicago—Old Colony bldg.
Philadelphia—Widener bldg.
Pittsburgh—Union Trust bldg.
Los Angeles—503 3rd
Sales Agents:
Birmingham—C. B. Davis Engineering Co.
Detroit—A. N. Canfield Co.
Joplin, Mo.—Ore Reclamation Co.
New Orleans—A. M. Lockett Co.
Salt Lake City—Mountain States Rubber Co.
San Francisco—Griffin Co.

Robins Dry Dock & Repair Co., machsts. & fndrs., Beard, Brooklyn, N. Y., & 25 Broadway, New York.
Robinson & Co., crude rubber, 25 Beaver, New York.
Robinson & Co., Inc., Dwight P., 125 E. 46th St., New York.
Robinson & Co., mfrs. muscial instruments, 2123 Stuart, Berkeley, Calif.
Robinson & Co., Thos., Real Estate Trust Bldg., Philadelphia, Pa.
Robinson & Curry Co., masons' & bldrs.' matls., Marysville, Ohio.
Robinson & Gillespie, contractors, 1051 Sutter, San Francisco, Calif.
Robinson & James, contractors, Wilkinsburg, Pa.
Robinson & Jans, oakum, tow & packg., flax, Winthrop, Minn.
Robinson & Jones Co., masons' & bldrs.' matls., Natick, Mass.
Robinson & Orr, 419 Wood St., Pittsburgh, Pa.
Robinson & Robinson, contrs., Lowell, Mass.
Robinson & Son Co., Wm. C. (Lubricating Oils), 32 South St., Baltimore, Md.
Robinson & Sons Sewer Pipe Co., Uhrichsville, Ohio.
Robinson, A. M., sash, door & blind mfr., Woonsocket, R. I.
Robinson, A. S., canned goods, Fallston, Md.
Robinson, A. T., Brandywine, Md.
Robinson, Andrew J., Co., contractors, 15 W. 38th, New York.
Robinson, B. J., mill & fcty. supplies, Vicksburg, Miss.
Robinson Boiler Works, A. F., 2nd & Binney, E. Cambridge, Mass.
Robinson Brick Co., Exchange Bldg., Denver, Colo.
Robinson Bros. & Co., 609 W. Main St., Louisville, Ky.
Robinson, C. E., Co., test indicators, Orange, Mass.
Robinson, C. P., lbr., Chapin, S. C.
Robinson, Cary & Sands, 4th & Wacouta St., St. Paul, Minn.
Robinson, Chas. A., burlap, 46 Beekman, New York.
Robinson Clay Products Co., Akron, O.
Robinson Clay Products Co., Syracuse, N. Y.
Robinson Co., The Wm., Owosso, Mich.
Robinson Co., Wm. A., New Bedford, Mass.
Robinson Connector Co., The, 17 Battery Pl., New York.
Robinson, Edw., Lbr. Co., Burlington, Vt.
Robinson Fire Apparatus Mfg. Co., 4268 N. 20th St., St. Louis, Mo.
Robinson Furnace Co., 205 W. Lake St., Chicago.
Robinson's Furniture Mfg. Co., E. 15th & Santa Fe av., Los Angeles, Calif.
Robinson, G. W., & Son, lumber, Tionesta, Pa.
Robinson-Gage Lumber Co., Kenton, Ohio.
Robinson's, Geo. H., Sons, masons' & bldrs.' matls., Alexandria, Va.
Robinson, Henson Co., cornices, Springfield Ill.
Robinson, J., Iron Fdy., Lowell, Mass.
Robinson, J. B., & Son, sashes, doors & blinds, Nevada, Mo.
Robinson, J. C., & Son, general contractors, 1126 E. 52nd, Chicago, Ill.
Robinson, J. G. & T., leather, Gloversville, N. Y.
Robinson, J. L., Co., contractors, 511 S. 7th, Minneapolis, Minn.
Robinson, J. L., Construction Co., 1130 W. Lafayette, Baltimore, Md.
Robinson, J. P., & Co., salt mfrs., 507 Madison, New York.
Robinson, J. T., & Son, buttons, 45 E. 17th, New York.
Robinson, Jas. P., founder, Lowell, Mass.
Robinson, John, & Co., lbr. mfrs., Albany, N. Y.
Robinson, John, & Co., sash, door & blind mfrs., 49 Queen lane, Gtn., Philadelphia, Pa.
Robinson, John T., Co., paper box machy. mfrs., Hyde Park, Mass.
Robinson Land & Lumber Co., Mobile, Ala.
Robinson Lumber Co., Davis, Neosho, Mo.
Robinson Lumber Co., New Orleans, La.
Robinson, M. C., & Co., masons' & bldrs.' matls., Ashtabula, Ohio.
Robinson, M. S., Cable Clamp Co., Donora, Pa.
Robinson, M. W., Co., mechanics' tools, 296 Broadway, New York.
Robinson-McGill Carriage Co., 201 1st av. S., Nashville, Tenn.
Robinson-McGill Hdwe. Co., carriages, Shelbyville, Tenn.
Robinson-McGill Mfg. Co., harness, saddles & strap wk., Shelbyville, Tenn.
Robinson Machine Co., 584 Franklin, Detroit, Mich.
Robinson Mfg. Co., clamps, hangers, straps, 8123 Bruner, S. E., Cleveland, Ohio.
Robinson Mfg. Co., J. M. (Sheet Metal Machy.), 106 Carolina St., Cincinnati, O. (Manning, Maxwell & Moore, Agents.)
Robinson Mfg. Co., Everett, Wash.
Robinson Mfg. Co., Muncy, Pa.
Robinson Mfg. Co., Westfield, Mass.

ROBINSON MFG. CO., H., flour mill machy., mixers, etc., Muncy, Pa.

Robinson Motor Truck Co., 1307 Western Ave., Minneapolis, Minn.
Robinson, N. T., stone producers, Mercer, Pa.
Robinson Packer Co., oil well, 210 N. Main, Tulsa, Okla.
Robinson Paint Co., Aurora, Ill.
Robinson Pearson Co., overalls, Ogdensburg, N. Y.
Robinson Plbg. Supply Co., St. Paul, Minn.
Robinson, Quincy, canned goods, Warrenton, Ore.
Robinson-Roders Co., Newark, N. J.
Robinson, S. M., & Co., canned goods, 607 S. Luzerne av., Baltimore, Md.
Robinson Slagle Lumber Co., Shreveport, La.
Robinson Stoneware Co., 244-54 Greenpoint Ave., Brooklyn, N. Y.
Robinson Supply Co., mill & facty. supplies, Glenn Falls, N. Y.
Robinson, T. K., Co., canned goods, Vicksburg, Miss.
Robinson, T. W., turpentine, Holder, Fla.
Robinson, T., & Co., drain tile & sewer pipe, H Real Estate Trust Bldg., Philadelphia, Pa.
Robinson Tag & Label Co., 424 W. 33d, New York.
Robinson-Toohey Co., mill & facty. supplies, Lawrence, Mass.

ROBINSON TOOL WORKS, INC., filing machines, punching dies & brass & steel stamping, Waterbury, Conn.

Robinson Tool Works, Waterbury, Conn.
Robinson Ventilating Co., mine ventg. fans, Jenkins Arcade Bldg., Pittsburgh, Pa.
Robinson, W. A., masons' & bldrs.' matls., Mechanicsville, N. Y.
Robinson, W. A., & Co., lubricating oils & spermaceti, 39 Grove, New Bedford, Mass.
Robinson, W. B., lbr., Berlin, N. J.
Robinson, W. D., & Sons, contractors, Jacksonville, Ill.
Robinson, W. E., & Co., canned goods, Bel Air, Md.
Robinson, W. F., brick, Maceo, Ky.
Robinson, Wm. B., & Co., cornices & skylights, Old Orchard, Me.
Robinsteen Collar & Leather Co., Indiana, Pa.
Robison Heavy Hardware Co., St. Joseph, Mo.
Robison Laboratories, 1521 Broadway, Detroit, Mich.
Robson & Co., Chas., 8th & Washington Sts., Philadelphia, Pa.
Robson Mfg. Co., machsts. & fndrs., Galesburg, Ill.
Roby Co., The Sidney B., 214 South Ave., Rochester, N. Y.
Roc & Conover, Newark, N. J.
Roc Bond Co., stucco mfrs., Wren, Ohio.
Roca, Jos. V., Lumber & Hardware Co., 1533 Carondelet Wlk., New Orleans, La.
Roccordino, Angela, scrap iron & steel, 1014 Webster av., Pittsburgh Pa.
Roche, M. J., Co., constr., Ohio Bank Bldg., Cincinnati, Ohio.
Rocheford, L., & Son, contrs., 44 Front, Worcester, Mass.
Rochelle, F. W., & Sons, paper pots, Chester, N. J.
Rochester & Pittsburgh Coal & Iron Co., 155 Main St., Rochester, N. Y.
Rochester Anthenaeum & Mchs. Inst., engng. schools & coll., Rochester, N. Y.
Rochester Automatic Elevator Door Co., Rochester, N. Y.
Rochester Ball Bearing Co., Inc., 2040 East Ave., Rochester, N. Y.
Rochester Barrel Machine Wks., 10 St. James St., Rochester, N. Y.
Rochester Boat Wks., Inc., Summerville, Rochester, N. Y.
Rochester Box & Lbr. Co., Rochester, N. Y.
Rochester Brass & Wire Works, wire baskets, grilles, guards, etc., 76H Exchange, Rochester, N. Y.
Rochester Bridge Co., Rochester, Ind.
Rochester Bronze & Aluminum Co., Inc., Rochester, N. Y.
Rochester Brush Mfg. Co., Rochester, N. Y.
Rochester Button Co., Rochester, N. Y.
Rochester Can Co., 120 Hague St., Rochester, N. Y.
Rochester Canning Co., Rochester, Ind.
Rochester Chemical Co., 10 Jones St., Rochester, N. Y.
Rochester Clay Brick & Tile Corp., Brook Ave., & Gates St., Rochester, N. Y.
Rochester Clay Products Co., Rochester, Pa.
Rochester Composite Brick Co., Rochester, N. Y.
Rochester Cooperage Co., wooden kegs, Rochester, N. Y.
Rochester Cut Glass Co., Rochester, Pa.
Rochester Cutting Die Co., Rochester, N. Y.
Rochester Elecric Products Corp., 640 Driving Park Ave., Rochester, N. Y.
Rochester Electrical Supply Co., 240 St. Paul St., Rochester, N. Y.
Rochester Fire Works Co., Rochester, N. Y.
Rochester Folding Box Co., P. O. Box 1012, New York.
Rochester Forge, Inc., Rochester, N. Y.
Rochester Foundries, Inc., 194 South Ave., Rochester, N. Y.
Rochester German Brick & Tile Co., see Rochester Clay Brick & Tile Corp. (successors).

ROCHESTER GERMICIDE CO., 16-24 Dowling Place, Rochester, N. Y.
Pres.—George G. Ford.
V. P.—Clarence P. Crowell.
Sec.—William E. More.
Treas. and Gen. Mgr.—Daniel N. Calkins.
Boston, Mass.—74 Long Wharf.
Chicago—548 W. Lake St.
Cincinnati, Ohio—1002 Central Ave.
Cleveland, Ohio—1226 W. 6th St.
New York—33 Warren St.
Pittsburgh, Pa.—26 E. Lacock St.
St. Paul—592 N. Snelling Ave.
Toronto—1 Howard Park Ave.

Rochester Head Light Works, Rochester, N. Y.
Rochester Iron & Metal Co., scrap, 325H St. Paul, Rochester, N. Y.
Rochester Iron Wks., machsts. & fndrs., Rochester, Minn.
Rochester Laboratory Supply Co., 7 Lundy's Lane, Rochester, N. Y.
Rochester Last Wks., Rochester, N. Y.
Rochester Lead Wks., 380 Exchange St., Rochester, N. Y.
Rochester Lime Co., Rochester, N. Y.
Rochester Lock Corp., Wilder Bldg., Rochester, N. Y.
Rochester Lbr. Co., sashes, doors & blinds, Rochester, N. H.
Rochester Machine Screw Co., 15 Caledonia av., Rochester, N. Y.
Rochester Mfg. Co., gauges & indicators, Rockwood, Rochester, N. Y.
Rochester Motors Co., 609 Driving Park Ave., Rochester, N. Y.
Rochester Mould & Mach. Co., machsts. & fndrs., Rochester, Pa.
Rochester Pad & Wrapper Co., Rochester, N. Y.
Rochester Paper Products Co., Rochester, N. Y.
Rochester Pressed Steel Co., Rochester, N. Y.
Rochester Printing Co., Rochester, N. Y.
Rochester Roll Grind & Cor. Works, 16 Furnace St., Rochester, N. Y.
Rochester Rotary Washer Co., Rochester, N. Y.
Rochester Sand & Brick Co., 4th Floor Penobscot Bldg., Detroit, Mich.
Rochester Shank Co., shoe shanks, Rochester, N. Y.
Rochester Show Case Wks., Rochester, N. Y.
Rochester Spray Pump Co., Rochester, N. Y.
Rochester Stamping Co., elec. cooking app., Rochester, N. Y.
Rochester Steel Constr. Co., 523 Clinton, Rochester, N. Y.
Rochester Tallow Co., Campbell St., Rochester, N. Y.
Rochester Tire Heater Co., Rochester, N. Y.
Rochester Tool & Gauge Co., auto tools, 45 Halsted, Rochester, N. Y.
Rochester Tumbler Co., Rochester, Pa.
Rochester Vacuum Valve Co., steam fitters' supplies, 29 Edgar, Rochester, N. Y.
Rochester Vulcanite Pavement Co., Exchange Pl. Bldg., Rochester, N. Y.
Rochester Washing Machine Co., 87 Franklin St., Rochester, N. Y.
Rochester Woven Belting Corp., East Rochester, N. Y.
Rochette & Parzini Corporation, 218 E. 25th St., New York.
Rock Asphalt & Const. Corp., Morgan Bldg., Buffalo, N. Y.
Rock City Machine Co., 117 3d av. N., Nashville, Tenn.
Rock City Mfg. Co., storm sash hangers, screen door hinges, Wabash, Ind.
Rock County Sugar Co., H Eastern av., Janesville, Wis.
Rock Creek Lbr. Co., Hampton Springs, Fla. (Live Oak.)
Rock Creek Lbr. Co., Trinity, Texas.
Rock Cut Stone Co., ground limestone, Syracuse, N. Y.
Rock Falls Mfg. Co., auto bldrs., Sterling, Ill.
Rock Flour Mills, Golden, Colo.
Rock Hill Fertilizer Co., Rock Hill, S. C.
Rock Hill Mach. Wks., Roanoke, Va.
Rock Island Advertising Lead Pencil Co., Rock Island, Ill.
Rock Island Bridge & Iron Works, Rock Island, Ill.
Rock Island Canning Co., Sears, Ill.
Rock Island Hardware Co., Rock Island, Ill.
Rock Island Lbr. & Coal Co., Wichita, Kans.
Rock Island Metal Fndry., 505 4th, Rock Island, Ill.
Rock Island Mfg. Co., Rock Island, Ill.
Rock Island Plow Co., Rock Island, Ill.
Rock Island Register Co., Rock Island, Ill.
Rock Island Sand & Gravel Co., Rock Island, Ill.
Rock Island Sash & Door Wks., Rock Island, Ill.
Rock Island Stove Co., Rock Island, Ill.
Rock Island Wood Wks., sash, door & blind mfrs., Rock Island, Ill.
Rock Plaster Mfg. Co., Erie R. R. & 150th St., New York.
Rock Products Co., 411 Trust Bldg., Easton, Pa.
Rock River Cotton Co., Janesville, Wis.
Rock River Lumber Co., Beloit, Wis.

Rock River Machine Co., Janesville, Wis.
Rock Run Carbon Co., Warren, Ohio.
Rock Springs Canning Co., Allenton, Mo.
Rockafellow Grain Co., masons' & bldrs.' matls., Carson City, Mich.
Rockaway Ladder Co., Newark, N. J.
Rockaway Mfg. Co., repeating paper cap pistols, rifles & ammunition, 421-41 Culvert, Cincinnati, Ohio.
Rockaway Rolling Mill, Montclair, N. J.
Rockaway Rolling Mills Corp., Rockaway, N. J.
Rockbestos Products Corp., 285 Nicall St., New Haven, Conn.
Rockbluff Co., Rock Bluff, Fla.
Rockcastle Cement & Lime Co., cement imprs., Munsey Bldg., Baltimore, Md.
Rockdale Lime Co., Tom Brook, Va.
Rockdale Oil Co., fert. mfrs., Rockdale, Tex.
Rockdale Powder Co., York, Pa.
Rocker Bros., archl. iron, 330 W. 26th, New York.
Rockfall Woolen Co., horse blankets, Middletown, Conn.
Rockfield Canning Co., Rockfield, Wis.
Rockford Belting Co., Rockford, Ill.

ROCKFORD BOLT CO., 300 Mill St., Rockford, Ill.

Rockford Bookcase Co., Dept. H, Rockford, Ill.
Rockford Brass Wks., Rockford, Ill.
Rockford Brick & Tile Co., Rockford, Ia.
Rockford Builders Supply Co., Rockford, Ill.
Rockford Cabinet Co., furn., Dept. H, Rockford, Ill.
Rockford Cedar Furn. Co., Dept. H, Rockford, Ill.
Rockford Chair & Furn. Co., Dept. H, Rockford, Ill.
Rockford Desk Co., Rockford, Ill.
Rockford Drilling Machine Co., Foot of Catherine St., Rockford, Ill.
Rockford Drop Forge Co., Rockford, Ill.
Rockford Furn. Co., Dept. H, Rockford, Ill.
Rockford Iron Works, Rockford, Ill.
Rockford Lathe & Drill Co., Rockford, Ill.

ROCKFORD LEATHER WASHER CO., 100 Forbes St., Rockford, Ill.

Rockford Lthr. Goods Co., advtg. nov. & spec., Rockford, Ill.
Rockford Lbr. & Fuel Co., masons' & bldrs.' matls., Rockford, Ill.
Rockford Machine Tool Co., Rockford, Ill.
Rockford Mfg. Co., Rockford, Ill.
Rockford Malleable Iron Works, Rockford, Ill.
Rockford Metal Specialty Co., Rockford, Ill.
Rockford Milling Machine Co., Rockford, Ill.
Rockford Mitre Box Co., Rockford, Ill.
Rockford National Furn. Co., Dept. H, Rockford, Ill.
Rockford Overall Mfg. Co., Rockford, Ill.
Rockford Palace Furniture Co., music cabinets, Rockford, Ill.
Rockford Paper Box Board Co., Rockford, Ill.
Rockford Paper Mills, Rockford, Ill.
Rockford Peerless Furniture Co., portables, Rockford, Ill.
Rockford Power Machinery Co., Rockford, Ill.
Rockford Republic Furn. Co., Dept. H, Rockford, Ill.
Rockford Steel Fixture Co., Rockford, Ill.
Rockford Steel Furniture Co., 24th Ave. and 9th St., Rockford, Ill.
Rockford Superior Furn. Co., Dept. H, Rockford, Ill.
Rockford Tool Co., Rockford, Ill.

ROCKFORD TWIST DRILL CO., THE, Rockford, Ill. Chicago—106 S. Jefferson St.

Rockford Union Fdry. Co., Inc., Rockford, Ill.
Rockford Varnish Co., Rockford, Ill.
Rockford Watch Co., Elgin & Rockford, Ill.
Rockford World Furn. Co., Dept. H, Rockford, Ill.
Rockhill & Vietor, 22 Cliff St., New York.
Rockhill Iron & Coal Co., Boyd & Spruce Sts., Philadelphia, Pa.
Rockland & Rockport Lime Co., Rockland, Me.
Rockland Milling Co., flour, Weyer's Cave, Va.
Rockland Webbing Co., Rockland, Mass.
Rockmart Brick & Slate Co., Rockmart, Ga.
Rockport Isinglass Co., Rockport, Mass.
Rockport Granite Co., Rockport, Mass.
Rockville Granite Co., Cold Spring, Minn.
Rockville Granite Co., Rockville, Minn.
Rockwall Cotton Oil Co., meal, Rockwall, Tex.
Rockwell & Sherwin, carriages, Brattleboro, Vt.
Rockwell-Barnes Company, 823 S. Wabash Ave., Chicago.
Rockwell Bros. & Co., masons' & bldrs., matls., Albany, Tex.
Rockwell-Clough Co., Alton, N. H.
Rockwell Co., W. S., 50 Church St., New York.
Rockwell-Drake Co., Bearing, Plainville, Conn.
Rockwell, George W., contr., Sunbury, Pa.
Rockwell, John L., toys, Monroeton, Pa.
Rockwell, John W., & Sons Co., packing box mfrs., 639 Windsor, Hartford, Conn.
Rockwell Lime Co., 133 W. Washington, Chicago, Ill.
Rockwell Mfg. Co., 572 Park St., Milwaukee, Wis.
Rockwell Silver Co., cut glassware, Meriden, Conn.
Rockwell Thereon, leather, 337 Flushing av., Brooklyn, N. Y.

ROCKWELL, W. S. CO., 50 Church, New York.
Branch Offices:
Chicago, Ill.
Cleveland, Ohio.
Detroit, Mich.
Montreal, Canada—234 Beaver Hall Hill.
British Representatives:
Dudley, Worc., Eng.—Gibbons Bros., Ltd.

Rockwood & Buss, contrs., Bennington, Vt.
Rockwood Mfg. Co., 1801 English Ave., Indianapolis, Ind.
Rockwood Milling Co., flour mills, Rockwood, Pa.
Rockwood Photo. Studio, 1836 Amsterdam av., New York.
Rockwood Pottery Co., floor & wall tile, Cincinnati, Ohio.
Rockwood Sprinkler Co. of Mass., 38 Harlow St., Worcester, Mass.
Rockwood Sprinkler Co., 532-1st St., S. Seattle, Wash.
Rocky Ford Canning & Mfg. Co., Rocky Ford, Colo.
Rocky Hill Hdwe. Co., Rocky Hill, Conn.
Rocky Mountain Fuel Co., masons' & bldrs.' matls., Temple Court Bldg., Denver, Colo.
Rocky Mountain Steel Products, Inc., transmissions & brakes, 1344 Wall, Los Angeles, Calif.
Rocky Neck Marine Co., Railway, dry docks & marine railways, Gloucester, Mass.
Rocky Ridge Lime & Stone Co., Rocky Ridge, Ohio.
Rod Pennant Mfg. Co., 3 Watkins, Brooklyn, N. Y.
Rodd Company, The, Century Bldg., Pittsburgh, Pa.
Rodday, Robt. J., Co., hot air furnaces, 138 Harrison av., Boston, Mass.
Roddenberry, W. B., canned goods, Cairo, Ga.
Roddis Lumber & Veneer Co., 402 Elm St., Dallas, Tex.
Rode & Brand, Inc., 200-204 William St., New York.
Rodefeld Mfg. Co., cast iron pipe cutters, Richmond, Ind.
Rodefer Glass Co., The, glass & glass specialties, novelties, etc., Bellaire, Ohio.
Rodenhausen's Excelsior Wagon Wks., auto bodies, 9th & Jefferson, Phila., Pa.
Rodger Addressing Bureau, 365 Market, San Francisco, Calif.
Rodger Ballast Car Co., 80 E. Jackson Blvd., Chicago.
Rodgers & Hagerty, Inc., contrs., 583 Broome, New York.
Rodgers, A. D., & W. E., flour mills, New Market, Ala.
Rodgers Addressing Bureau, direct advertising service; addressing and multigraphing mailing lists a specialty, 365 Market, San Francisco, Calif.
Rodgers Boiler & Burner Co., Muskegon, Mich.
Rodgers, Chas. W., Co., bldg. materials, Maritime Bldg., Seattle, Wash.
Rodgers, Geo. G., machsts., Springfield, Ohio.
Rodgers, Geo. T., & Co., ship bldrs., Astoria, Ore.
Rodgers Iron Mfg. Co., steam pumps, Muskegon, Mich.
Rodgers, J. C., & Son, contractors, 271 W. 125th, New York.
Rodgers, Leonidas (Est. of), carriages, New Castle, Ind.
Rodgers, R. M., Mfg. Co., dumb waiters & elev., 188 Emerson pl., Brooklyn, N. Y.
Rodgers Sand Co., wood & water, Pittsburgh, Pa.
Rodgers, Wade Furn. Co., (who), Dept. H., Paris, Texas.
Rodman Chemical Co., Verona, Pa.
Rodman Lumber Co., Rodman, Fla.
Rodman Turpentine Co., Rodman, Fla.
Rodriguez, R. E., paint brushes, 56 Warren, New York.
Roe & Sons, Justus, 52 E. Main St., Patchogue, N. Y.
Roe, F. B., Co., canned goods, Greensboro, Md.
Roe, Walter H., mechanical engineer, Spayth blk., Tiffin, Ohio.
Roe, William S., 15 River St., Newark, N. J.

ROEBLING'S SONS CO., JOHN A., Trenton, N. J.
Atlanta, Ga.—Avon Ave. & Ashby St., Oakland City, H. A. Wason.
Boston, Mass.—93-95 Pearl St., G. Abeel Hall.
Chicago—165 West Lake St., J. H. Blanchard.
Cleveland, O.—701 St. Clair Ave., N. E., R. R. Newell.
Los Angeles, Cal.—216 South Alameda St., J. N. Colkitt.
New York—117-121 Liberty St., Warehouses 169-175 Hudson St., W. P. Bowman, Treas.
Philadelphia, Pa.—223 Arch St., R. W. Welch.
Pittsburgh, Pa.—Sandusky & Robinson Sts., N. S., W. E. Frick.
Portland, Ore.—14th & Lovejoy Sts., J. G. Thatcher.
San Francisco, Cal.—624-646 Folsom St., F. W. Hammond.
Seattle, Wash.—900 First Ave., South, W. F. Richardson.

Roebuck Weather Strip & Wire Screen Co., window ventilators, 2406 Flatbush av., Brooklyn, N. Y.
Roedel, Frank A., wholesale hdwe., Cheyenne, Wyo.
Roeder, Fred, Mfg. Co., auto. wood bodies, 1396 Atlantic av., Brooklyn, N. Y.
Roeder-Greeman Stone & Const. Co., Quincy, Ill.
Roeding Fig & Olive Co., canners, Fresno, Calif.
Roehl Bros., contractors, 7002 Denison, Cleveland, Ohio.
Roehm & Davison, wholesale hdwe. & curtain fasteners, 93 Woodbridge av., Detroit, Mich.
Roehm Bros., contractors, Terre Haute, Ind.
Roehm, Paul P., const., Calumet, Mich.
Roehr Co., interior finish mfrs., Bucyrus, Ohio.
Roekel Co., The, Zanesville, O.
Roeiker, H. B., New York. (Now Kraemer, Henry G., Allendale, N. J.)
Roelle, Frederick, Co., tele. & telegraph wire, 2318 Oxford, Philadelphia, Pa.
Roemer & Roemer, machinists, Santa Maria, Calif.
Roemer Bros., lumber, Bowling Green, Ky.
Roemer, J., Heating Co., 1808 E. 22d, Cleveland, Ohio.
Roentgen Appliance Co., x-ray app., 667 Howard, San Francisco, Calif.
Roeper Crane & Hoist Works, 1780 Moss St., Reading, Pa.
Roesch Bros. Plating Wks., Belleville, Ill.
Roesch, Geo. E., rural mail boxes, Aurora, Ill.
Roesch-Kohl Enamel Range Co., fndrs., Belleville, Ill.
Roesch, Louis Co., labels, Mission at 15th, San Francisco, Calif.
Roesler, Herman, cornices, 1569 20th, Milwaukee, Wis.
Roess, G. F., & Son, contrs., 309 W. 3rd, Oil City, Pa.
Roessel, Louis & Co., umbrella cloth, 440 4th, New York.
Roessing Bronze Co., Etna, Pa.

ROESSLER & HASSLACHER CHEMICAL CO., THE, 709 Sixth Ave., New York.

Roeti-Hunt Corp., push pins & needle threaders, Putnam, Conn.
Roff Underwear Co., sweaters, cardigans, etc., Cohoes, N. Y.
Roffers, John, common brick, De Pere, Wis.
Rogan Brothers Co., Middlesboro, Ky.
Rogan Bros., lumber, Cable, Wis.
Rogatchoff Co., The, 1512 Latrobe Terrace, Baltimore, Md.
Rogers & Baldwin Hardware Co., Springfield, Mo.
Rogers & Bro., table silverware, 95 Silver, Waterbury, Conn.
Rogers & Co., Royersford, Pa.
Rogers & Co., 2001 Calumet Ave., Chicago.
Rogers & Co., Chas. P., 14 E. 33rd St., New York.
Rogers & Co., E. A., 161 Devonshire St., Boston, Mass.
Rogers & Co., Inc., E. F., 323 Vine St., Philadelphia, Pa.
Rogers & Co., Samuel C., 10 Lock St., Buffalo, N. Y.
Rogers & Gano Advertising Agency, 70 W. Monroe St., Chicago.
Rogers & Hall Company, (Now Printing Products Corp.), Chicago.
Rogers & Haneman, 110 E. 42d, New York City.
Rogers & Hubbard Co., Middletown, Conn.
Rogers & Johnson, Marion, Wis.
Rogers & Madison, trunks, Petersburg, Va.
Rogers & Smith, leather, Gloversville, N. Y.
Rogers & Smith, 326 W. Madison St., Chicago.
Rogers & Wells, contractors, Middlebury, Vt.
Rogers, A., Co., animal foods, soap, etc., Aurora, Ill.
Rogers, Andrew J., Co., cornices, Paterson, N. J.
Rogers-Bailey Hdw. Co., 617 Market St., Chattanooga, Tenn.
Rogers Broom Co., Washington, Ind.
Rogers Bros. Co., Albion, Pa.
Rogers Bros., Co., contractors, 350 Merrick, Los Angeles, Calif.
Rogers Bros. Galvanizing Wks., Rockford, Ill.
Rogers Bros., hot process galvanizing, Batavia, Ill.
Rogers Bros., lbr. mfrs., Bath, Me.

ROGERS, BROWN & CO., 431 Vine St., Cincinnati, O.
Branch Offices:
Boston, Mass.
Buffalo, N. Y.
Chicago.
Cleveland, O.
New York.
Philadelphia, Pa.
Pittsburgh, Pa.
St. Louis, Mo.

Rogers-Brown Iron Co., **Erie Co. Bank Bldg., Buffalo, N. Y.**
Rogers, C. E. Brass Foundry, castings, 64 Plympton, Boston, Mass.
Rogers, C. E. (Chem. Equip.), 34-42 Goldsmith Ave., Detroit, Mich.
Rogers, C. R., & Co., contractors, Corry, Pa.
Rogers, C. W., cornices & skylights, Bath, Me.
Rogers, Chas. E., machst. & milk condensing machy., 7611 Wetherby, Detroit, Mich.

ROGERS CO., H. A., 87 Walker St., New York
Pres.—Allen Merrill Rogers.
V. P. & Treas.—William A. Tucker.
Sec.—Frederick Boehm.

Rogers Co., J. S., Chestnut St., Philadelphia, Pa.
Rogers Constr. Co., Gloucester City, N. J.
Rogers Drop Forging Co., Worcester, Mass.
Rogers Eagle Mach. Works, 44 Tuxedo pl., Buffalo, N. Y.
Rogers Electric Laboratories Co., hot plates & x-ray app., 2015 E. 65th, Cleveland, Ohio.
Rogers, F. C., sash, door & blind mfrs., Leroy, N. Y.
Rogers Fibre Co., hard & soft fibre, insulation, fibre carriers, containers, trunks, trucks, cars & shoe counters, mfrs., 121 Beach, Boston, Mass.
See adv. index at end of book
Rogers Fdry. & Mfg. Co., Joplin, Mo.
Rogers, Frank H., gun cleaners, Deep River, Conn.
Rogers, Frank R., see Rogers Eagle Mach. Works (successor).
Rogers, G. W., & Co., dock bldrs., 29 B'way, New York.
Rogers, Geo. W., & Co., contractors, 29 B'way, New York.
Rogers, H. A., & Co., blue prints, 531 Marquette av., Minneapolis, Minn.
Rogers Hardware Co., Eutaw, Ala.
Rogers, Hervey E., stone producers, New London, Conn.
Rogers-Higgins Co., Inc., The, 710 Carondelet Bldg., New Orleans, La.
Rogers, J. & J., Co., paper & pulp mills, Ausable Forks, N. Y.
Rogers, J., Silver Co., 13 Laight, New York.
Rogers, J. T., ties, poles & posts, Faceville, Ga.
Rogers, John F., shoe vamp marking machs., Belfast, Me.
Rogers, Jos. B., cornices, Hallstead, Pa.
Rogers, L. C., fertilizer mfr., Frederica, Del.
Rogers Ltd., Wm. A., Northampton, Mass.
Rogers Lbr. Co., Warren, Pa.
Rogers, M. E., brick, Deshler, Ohio.
Rogers Mach. Tool Co., Alfred, N. Y.
Rogers Manifold & Carbon Paper Co., 33 Sullivan St., New York.
Rogers Mfg. Co., bone buttons, fertilizer mfrs., Rockfall, Conn.
Rogers Metal Works, 2123 Jefferson, Kansas City, Mo.
Rogers, Milton & Sons Co., whol. hdwe., 1515 Henry, Omaha, Neb.
Rogers, O. A., machsts., Bloomfield, N. J.
Rogers Paint & Varnish Co., Detroit, Mich.
Rogers Paper Mfg. Co., S. Manchester, Conn.
Rogers-Pyatt Shellac Co., 79-81 Water St., New York.
Rogers, R. J., Lbr. Co., Geneva, N. Y.
Rogers, R. R., Chemical Co., disinfectants, liquid soap, etc., 527 Commercial, San Francisco, Calif.
Rogers, R. R., Co., milk condensing machy., 3328 Chope pl., Detroit, Mich.
Rogers Rake Co., New Hartford, Conn.
Rogers, Rose, & Co., flour mills, Gradyville, Ky.
Rogers, Ruger, Lbr. Co., Superior, Wis.
Rogers Sash & Door Co., 189 Chestnut, New Britain, Conn.
Rogers-Schmitt Wire & Iron Co., 1815 N. 23d, St. Louis, Mo.
Rogers-Shear Co., Warren, Pa.
Rogers Silver Co., casket hardware, Westfield, Mass.
Rogers Silver Plate Co., Danbury, Conn.
Rogers, Simeon L., & George H., Co., table silverware, 62 Market, Hartford, Conn.
Rogers, Smith & Co., table silverware, Meriden, Conn.
Rogers, Spencer, Son, bldg., contr., 326 Commercial, Portland, Me.
Rogers Structural Steel Co., Corry, Pa.
Rogers Tent & Awning Co., Fremont, Neb.
Rogers Una-Drive Motor Truck Corp., Sunnyvale, Calif.
Rogers, Virgil, soap, Gibbon, Neb.
Rogers, W. A. (Ltd.), cutlery, Northampton, Mass.
Rogers, W. C., ties, poles & posts, Broadhurst, Ga.
Rogers, W. F., Fdy., Bandon, Ore.
Rogers, W. H., Paint Mill, varnish mfrs., Houston, Tex.
Rogers White Lime Co., Rogers, Ark.
Rogers Works, Inc., John M., Gloucester City, N. J.
Rogers, Wm., Mfg. Co., table silverware, Meriden, Conn.
Rogers, Wm. A. (Ltd.), table silverware, Niagara Falls, N. Y.
Rogerson, J. C., & Co., whol. hdwe., Hudson, N. Y.
Rogersville Mill Co., flour, Rogersville, Tenn.
Rogue River Hardware Co., Grants Pass, Ore.
Rogue River Valley Canning Co., Medford, Ore.
Rohan Boat, Boiler & Tank Co., Philip A., ft. of Marceau, St. Louis, Mo.
Rohde, Chas. L., & Sons Co., ship bldrs., ft. 3rd av., Baltimore, Md.
Rohe & Bro., meat packers, 527 W. 36th, New York.
Rohm, Jean Baptist, & Son, archts., 138 N. La Salle, Chicago, Ill.
Rohmann, C. F., & Son Co., 78H Prince, Brooklyn, N. Y.
Rohn Electric Co., Geo. F., 524 Jackson St., Milwaukee, Wis.
Rohn, Geo. F., knife switches, 524 Jackson, Milwaukee, Wis.
Rohns, Albert, & Co., archl. iron, 1250 Calvert, Detroit, Mich.
Rohrbaugh, J. F., & Co., contractors, Hanover, Pa.
Rohrer, D. J., sash, door & blind, Clintonville, Wis.
Rohrman-Cooper Co., Marquette Bldg., Chicago.
Rojotte, Fobart & Winters, contrs., Zuler Bldg., Spokane, Wash.
Rokeach, I., & Sons, soap, 345 Hewes, Brooklyn, N. Y.
Rolbein Co., Inc., 1011 Chestnut St., Philadelphia, Pa.
Rolf, Bernard, dock bldrs., 164 Montague, New York.
Rolfe Building Materials Co., New Brunswick, N. J.
Rolfe, C. M. & C. W., Penacook, N. H.
Roling, J. F., machst. & fndr., Salisbury, Mo.
Roll Label Mfg. Co., 1835 Park av., New York.

Roll Mfg. Co., mortar color mfrs., Waterloo rd., Cleveland, Ohio.
Rollaway Co., bicycle motors, 1048 Shepard, Toledo, O.
Rolled Plate Metal Co., photo. engravers' supplies, 52 Van av., New York.
Roller Clasp Inc., shock absorbers, 1001 E. Ferry, Buffalo, N. Y.
Roller-Smith Co., 233 Broadway, New York.
Roller, Geo. B., common brick, Canton, Ill.
Rollins & Co., Sim D., Security Bldg., Minneapolis, Minn.
Rollins Engine Co., Nashua, N. H.
Rollins Supply Co., mill & facty. supplies, 17 W. Kinzie, Chicago, Ill.
Rollman Mfg. Co. (Ltd.), machsts., Orangeville, Pa., & meat choppers, hdwe., nut crackers, etc., Mount Joy, Pa.
Rolland Glass Co., window glass mfrs., Clarksburg, W. Va.
Rolls, H. J., lithpone, sulphuret of antimony & oxide of zinc, Ellicott Sq. Bldg., Buffalo, N. Y.
Rolls-Royce, 8th av. & 58th, New York.
Rolls-Royce of Am., Inc., auto bldrs., Page Boulevard, Springfield, Mass.
Rollway Bearing Co., Inc., 541 Seymour, Syracuse, N. Y.
Rolph, Mills & Co. (Pig Iron, Coke, Cast Iron Pipe), 149 Calif. St., San Francisco, Cal.
Rom Roberts Co., 1023-1101 St. Paul Ave., Milwaukee, Wis.
Roman Bronze Works, Greene St., Brooklyn, N. Y.
Roman Landscape Contrg. Co., Inc., 15 E. 40th, New York.
Roman Mosaic & Tile Co., Inc., 435 Green, Phila., Pa.
Roman Nose Gyp. Co., plasters, Bickford, Okla.
Roman, Otto E., contrs., Weehawken, N. J.
Roman Paint Co., Inc., Monadnock Bldg., San Francisco, Calif.
Romann & Bush Pig Iron & Coke Co., Fullerton Bldg., St. Louis, Mo.
Rome Bicycle Mfg. Co., Rome, N. Y.
Rome Box & Lumber Co., Dept. H., Rome, N. Y.
Rome Brass & Copper Co., Rome, N. Y.
Rome Brick & Tile Co., Rome, Ga.
Rome Electrical Co., The, Jay St., Rome, N. Y.
Rome Engng. Works, machsts., Rome, N. Y.
Rome Furn. Co., Dept. H., Rome, Ga.
Rome, Geo., & Co., cornices, Carnegie, Pa.
Rome Hardware Co., Rome, Ga.
Rome Hollow Wire & Tube Co., Rome, N. Y.
Rome Iron Mills, Inc., 17 E. 42nd St, New York.
Rome Iron Mills, Rome, N. Y.
Rome Machine & Fdry. Co., Inc., Rome, Ga.
Rome Manufacturing Co., Rome, N. Y.
Rome Mfg. Co., overalls, Rome, Ga.
Rome Metal Prod. Co., Inc., 23 W. 43rd St., New York.
Rome Metallic Bedstead Co., Rome, N. Y.
Rome Soap Co., 3958 Calumet av., Chicago, Ill.
Rome Soap Mfg. Co., Rome, N. Y.
Rome Sporting Goods Mfg. Co., Rome, N. Y.
Rome Stone Cutting Co., 17 Grafton av., Newark, N. J.
Rome Supply Co., plumbers' supplies—jobbers, Rome, Ga.
Rome-Turney Radiator Co., Rome, N. Y.

ROME WIRE COMPANY, Rome, N. Y.
Branch plants at Buffalo, N. Y. and Stamford, Conn.
Pres.—H. T. Dyett.
V. P.—F. M. Potter.
Secy.—C. R. Keeney.
Treas.—H. W. Barnard.

District Sales Offices:
Boston, Mass.—Little Bldg.
Chicago, Ill.—14 E. Jackson blvd.
Detroit, Mich.—25 Parsons.
Los Angeles, Cal.—J. G. Pomeroy, 336 Azusa.
New York, N. Y.—50 Church.

Romeo Foundry Co., Port Huron, Mich.
Romer & Co., Inc., hdwe. mfrs., 95 Clay, Newark. N. J.
Romer Axle Co., Dunkirk, N. Y.
Romer, F. J., Construction Co., 190 Ramsey, St. Paul, Minn.
Romer Mfg. Co., black'g cases, 203 Diamond, Brooklyn, N. Y.
Romeyn, T. F., Co., pckg. box mfrs., Albany, N. Y.
Romick Mill Furnishing Co., Niles, Ohio.
Romine Lbr. Co., J. W., Parkersburg, W. Va.
Romisch Mfg. Co., machsts. & fndrs., Morgantown, W. Va.
Rommel, G. H., Co., contractors, Louisville, Ky.
Romona Oolitic Stone Co., Stinesville, Ind.
Romort Mfg. Co., air valves, tire pump connections & auto gears, Main & Hubbard, Oakfield, Wis.

RONAN SAW & TOOL WKS., 347 Davey St., Buffalo, N. Y.

Ronceverte Lbr. Co., oak flooring, Ronceverte, W. Va.
Ronceverte Lumber Co., Ronceverte, W. V.
Ronchi & Son, pianos, West Hoboken, N. J.
Roneo Company, 117-119 Leonard St., New York.
Roneo Co., pencil sharpeners, copying presses, 392 Broadway, New York.
Roney & Rae Co., bobbin holders, Woonsocket, R. I.
Ronson Spec. Co., wrenches, etc., 7 Mulberry, Newark, N. J.
Roo & Van Leeuwen Lumber Co., Lynden, Wash.
Rood Constr. Co., Grand Rapids, Wis.
Rood, M., & Co., flour mills, Bark River, Mich.
Rooke Automatic Register Co., 17 Warren St., Providence, R. I.

ROOKSBY & CO., E. J., 1070 Hamilton St., Philadelphia, Pa.
Pres. & Gen. Mgr.—Edwin J. Rooksby.
Secy. & Treas.—Jesse G. Haydock.

Rookwood Pottery Co., Cincinnati, O.
Roome, James A., carriages, Peabody, Mass.
Rooney, F. J., Lamp Co., 257 14th, Hoboken, N. J.
Rooney, Jno. B., mill & facty. supplies, Walpole, Mass.
Roos, August, Sons, brewers' machy. & supplies, coppersmiths, 429 E. 91st, New York.
Roos, Chas., lbr., Williamsport, Pa.
Roos, Chas. A., coils, columns, plants, etc., 429 E. 91st, New York.
Roos, H. W., Co., contrs., 633 Lincoln, Cincinnati, O.
Roos, Hy., Fdry. Co., archl. iron, 1749 Ballou, Chicago, Ill.
Roos Mfg. Co., cedar chests, curtain poles, 967 W. 20th, Chicago, Ill.
Roos-Meyer-Hecht Co., Inc., contrs., 2824 Stanton av., W. H., Cincinnati, Ohio.
Roosen, H. D., Co., printing inks, 16 E. 43d, New York.
Roosevelt Co., W. A., LaCrosse, Wis.
Root & Co., Neal, 178 Main St., Buffalo, N. Y.
Root & Joslin, contrs., Realty Bldg., Spokane, Wash.
Root & Vandervoort Engineering Co., E. Moline, Ill. (Now R. & V. Motor Co.)
Root, A. I., Co., bee keepers' supplies, Medina, Ohio.
Root, A. I., Co., of Iowa, bee keepers' supplies, Council Bluffs, Ia.
Root, C. D., lbr., Crown Point, Ind.
Root Co., B. M., York, Pa.
Root Company, The, Bristol, Conn.
Root, J. V., canned goods, Versailles, Ill.
Root, Hy. S., & Son, wholesale hdwe., Newport, Vt.
Root Mfg. Co., sash, door & blind, Michigan City, Ind.
Root Mfg. Co. (Tivoli Mills), knit gds., Cohoes, N. Y.
Root, Neilson & Co., machsts. & fndrs., Sacramento, Calif.
Root Spring Scraper Co., Kalamazoo, Mich.
Root, W. A., & H. A., contractors, 31 St. James av., Boston, Mass.
Root, W. H., cornices & skylights, Iola, Kans.
Roots & Co., P. H. & F. M., Connersville, Ind.

ROOVERS BROS., 100 Schermerhorn St., Brooklyn, N. Y.

Rope Fire Escape Co., 1638 Market St., Philadelphia, Pa.
Ropelt, Pritchard, pianos, Rochester, N. Y.
Roper & Co., Hopedale, Mass.
Roper Box & Lbr. Co., Petersburg, Va.
Roper Bros. Lbr. Co., Petersburg, Va.
Roper Corporation, Geo. D., Rockford, Ill.
Roper Lumber Co., John L., Norfolk, Va.
Roper Strauss Ferst Co., bldg. tile, 2103 1st av., Birmingham, Ala.
Roquette Fdry. & Supply Co., Massena, N. Y.
Rorech, J. J., Jr., bldr. & contr., Stamford, Conn.
Rosa Lumber Co., Picayune, Miss.
Rosa Lbr. Co., Picayune, Miss.
Rosary Flower Co., Inc., landscape architects, 423 Park av., New York.
Rosback, F. P., Co., book binders' machy., Benton Harbor, Mich.
Rosch, Math, cornices, 2937 N. Ashland av., Chicago.
Rosche & Suhs, machsts. & fndrs., Waupaca, Wis.
Rosche, John, machst. & fndr., Schleisingerville, Wis.
Rose & Bros., Wm., 221 Lackawanna Ave., Sharon Hill, Pa.
Rose & Cecil, flour mills, Stillwater, Ky.
Rose & Co., D. M., Knoxville, Tenn.
Rose & Fisher, contractors, Sandusky & Duquesne wy., Pittsburgh, Pa.
Rose & Frank Co., 150 W 22nd st., New York.
Rose & Johnson, mill & facty. supplies, Haverstraw, N. Y.
Rose & Peterson, 432 Brotherhood blk., Kansas City, Mo.
Rose & Williams, canned goods, Princess Anne, Md.
Rose Bateman Pump Co., rotary pumps, 414 Bullard Bldg., Los Angeles, Calif.
Rose Bros., & Co., umbrella mfrs., Lancaster, Pa.
Rose Co., advtg. novelties & calendars, 22d & Arch, Phila., Pa.
Rose Co., E. W., The, 1750 E. 27th St., Cleveland, O.
Rose City Cotton Oil Mill, Little Rock, Ark.
Rose City Cut Glass Co., 100 N. 5th, Portland, Ore.
Rose City Mfg. Co., lumber, Rose City, Mich.
Rose, D. M., & Co., sash, door & blind, Knoxville, Tenn.
Rose, E. J., Mfg. Co., surgical instrs., etc., 824 W. Jefferson av., Los Angeles, Calif.
Rose, E. J. Scientific Shop, x-ray app., 212 S. Spring, Los Angeles, Calif.
Rose, Frank, Mfg. Co., auto accessories, Hastings, Neb.
Rose, H., bowl'g alley bldrs., 145 Hamilton av., Brooklyn, N. Y.
Rose Hill Lbr. Co., Inc., Penola, Va.
Rose, J. A., Mfg. Co., automobile pumps, gasket cutters, guns & syringes, Hastings, Neb.
Rose Lake Lbr. Co., Roselake, Idaho.
Rose Mfg. Co., 37th & Filbert Sts., Philadelphia, Pa.
Rose Patent Grate Co., Council Bluffs, Ia.
Rose, Peter & Sons, harness mfrs., 9 S. Howard, Baltimore, Md.
Rose Point Stone & Lime Co., New Castle, Pa.
Rose-Rogers Co., overalls, Dallas, Texas.
Rose, S., black carbons, 21 Maiden la, New York.
Rose Spring & Mattress Co., 767 Kentucky, Memphis, Tenn.
Rose Tool & Supply Co., Market St., Pittsburgh, Pa
Rose Valley Shops, Moylan, Rose Valley, Pa.
Roseboom, J. A., & Co., corn brooms, Mattoon, Ill.
Roseboom, W. L., & Co., broom corn, 3544 S. Morgan, Chicago, Ill.
Roseboro, Chester E., carriages, New Holland, Pa.
Roseborough, W. W., Salem, Ore.
Rosebrooks & Cummings, cornices & skylights, Webster, Mass.
Rosebud Oil & Cotton Co., meal, Rosebud, Tex.
Rosecrance, Clay C., flour mills, Mill Creek, W. Va.
Rosedale Fdry. & Mach. Co., Columbus and Preble Aves., Pittsburgh, Pa.
Roseland Can & Wire Goods Co., Rockford, Ill.
Roseland Farm & Mfg. Co., meat packers, Warrensburg, Mo.
Roseland Veneer & Package Co., Ltd., Roseland, La.
Rosen & Co., A. W., 610 Broadway, New York.
Rosen, Henry, scrap iron & steel, Toledo, Ohio.
Rosen, J., Cornice Works, 1460 Central av., Los Angeles, Calif.
Rosenbaum, C. E., Machinery Co., Little Rock, Ark.
Rosenbaum Hdwe. Co., Newport News, Va.
Rosenbaum Mfg. Co., machsts., 54 E. 9th av., New York.
Rosenberg Bros. & Co., 334 California St., San Francisco, Cal.
Rosenberg Bros., scrap iron & rubber, Chelsea, Mass.
Rosenberg Co., overalls, Winona, Minn.
Rosenberg Co., H. H. (Sponges) 5442 Justine St., Chicago.
Rosenberg, F., Elev. Co., 1647 Richards, Milwaukee, Wis.
Rosenberg, J. H., Jr., stone producers, 2812 Eoff, Wheeling, W. Va.
Rosenberg Iron & Metal Co., scrap metal, 540 8th, San Francisco, Calif.
Rosenberg, Happ & Siegel, leather, Holliday & Hillen, Baltimore, Md.
Rosenberg Sons, Jos., 585 Nostrand Ave., Brooklyn, N.Y.
Rosenblatt, H. & Sons, overalls, Beloit, Wis.
Rosenblatt, Wm. (Inc.), scrap tin, brass, 262 Water, New York.
Rosenbloom, Solomon, overalls, 12 N. Paca, Baltimore, Md.
Rosenblum Co., olive oils, 105 Hudson, New York.
Rosenburg & Co., machy. dlrs., 336 E. 3rd, Los Angeles, Calif.
Rosenbush & Solomon, Inc., bronze powder, enamels, paints, etc., 33rd & Shields av., Chicago, Ill.
Rosener, Leland S., engnrs., Insurance Exchange Bldg., San Francisco, Calif.
Rosenfeld Co., Eugene I., 325 W. Baltimore St., Baltimore, Md.
Rosenfeld, I., cornices, 274 Av. B, New York.
Rosengren, Ed., brooms, Lindsborg, Kans.
Rosenson, D., & Sons, bags & suit cases, 1600 Baronne, New Orleans, La.
Rosenson, David, paint mfr., 407 Watkins, Brooklyn, N. Y.
Rosenstein, Hy., Co., toys, 34H Union sq., New York.
Rosenstiel, Chas., & Son, contractors, 606 Reading rd., Cincinnati, Ohio.
Rosenthal Bros., silk tassels, 543 Broadway, New York.
Rosenthal Corn Husker Co., West Allis, Milwaukee, Wis.
Rosenthal, Herman, A., E. State St., Trenton, N. J.
Rosenthal, O. W., & Co., contractors, 80 E. Jackson, Chicago, Ill.
Rosenthal's Sons, Inc., Jos., 190 Berks St., Philadelphia, Pa.
Rosenwald & Weil, rubber sheeting & cloth, 3815 Armitage av., Chicago, Ill.
Roser, Hermann & Son, leather, Glastonbury, Conn.
Roseville Pottery Co., Linden av., Zanesville, Ohio.
Rosewater Electric Co., 12551 Euclid Ave., Cleveland, O.
Rosiclaire Lead & Fluor-Spar Mining Co., Mills Bldg., Washington, D. C.
Rosie Mill & Gin Co., Rosie, Ark.
Rosin & Co., Penna. Bldg., Philadelphia, Pa.
Rosin & Turpentine Export Co., 90 Wall st., New York.
Rosing, Inc., Astrid S., 3464 N. Clark St., Chicago.
Roslyn Fuel Co., White Bldg., Seattle, Wash.
Rosman Tanning Extract Co., Rosman, N. C.
Ross & Co., J. Colt St., Irvington, N. J.
Ross & Co., Wm., 407 N. Peoria St., Chicago.
Ross & Ralph, granite, Barre, Vt.
Ross & Republic Marble Co., McNutt Bldg., Knoxville, Tenn.
Ross & Ross, felt novelties, 4 Monte Vista, Oakland, Calif.
Ross & Sawyer, contrs., Billings, Mont.
Ross & Son Co., Charles, 148-156 Classon Ave., Brooklyn, N. Y.
Ross & Son, 726 Brush St., Detroit, Mich.
Ross & Wentworth, lbr., Bay City, Mich.
Ross, Adam, Cut Stone Co., 1003 B'way, Albany, N. Y.
Ross, B. W., & Son, contrs., Easton, Md.
Ross Boiler Co., 3600 Shields av., Chicago, Ill.
Ross Bros., Co., garden barrows, whol. hdwe., 90 Front, Worcester, Mass.
Ross Bros. Seed Co., Wichita, Kans.
Ross Bros., iron fences, Miners Mills, Pa.
Ross, C. E., clothes washing machines, Lincoln, Ill.
Ross Carriage Mfg. Co., Union City, Ind.
Ross Co., Chas. C., (Scrap Metals), Farmers Bank Bldg., Pittsburgh, Pa.
Ross, E. C., canned goods, Seaford, Del.
Ross, E. W., Co., agricultural implements, Springfield, Ohio.
Ross, Francis J., mill & facty. supplies, Hoboken, N. J.
Ross, Frank E., Co., boiler settings, 201 Devonshire, Boston, Mass.
Ross-Frazer Iron Co., St. Joseph, Mo.
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Charlotte, N. C.—Isaac Hardeman.
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Ross, J. A., turpentine, Surrency, Ga.
Ross, J. A., & Co., contractors, 4561 Armitage av., Chicago, Ill.
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Ross, Jas. H., 141 Erie, Buffalo, N. Y.
Ross Machine Co., machsts. & fndrs., Lafayette, Ind.
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Ross Mfg. Co., hack saw blades, 1225 Lydia, Kansas City, Mo.
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Ross Time Recorder Co., 601 W. Madison St., Chicago.
Ross Valve Mfg. Co., 9 Oakwood av., Troy, N. Y.
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Ross, Walter D., htg. contrs., 263 Summer, Boston, Mass.
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ROYAL COMB CO., Ivory goods, bag frames, etc., 180 Pond, Leominster, Mass.

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WIS.—Milwaukee—Badger-Packard Machinery Co.
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Royle & Sons, John, Paterson, N. J.
Roys Heat Control Co., 913 Gates av., Brooklyn, N. Y.
Royse Oil Mill Co., meal, Royse, Tex.
Royster, F. S., Guano Co., fertilizer mfrs., Norfolk, Va.
Royston Guano & Warehouse Co., Royston, Ga.
Rozbury Shoe Thread Co., 35 Wormwood, Boston, Mass.
Rubber Age, trade publication, 225 4th av., New York.
Rubber Fibre Co., 566 E. 1st St., South Boston, Mass.
Rubber Goods Mfg. Co., Broadway & 58th, New York.
Rubber Insulated Metals Corp., 50 Church St., New York.
Rubber Paint Co., paint mfrs., cor. Warner & Wooster, Baltimore, Md.
Rubber Products Co., Barberton, O.
Rubber Products Corp., auto tubes, tires, etc., Dept. H, Shelton, Conn.
Rubber Regenerating Co., rubber (reclaimed), Mishawaka, Ind.
Rubber Roofing Mfg. Co., 5 Cortlandt, New York.
Rubber Stopple Co., rubber goods, West av., Long Island City, N. Y.
Rubber Sundries Co., mill & fcty. supplies, 1387 W. 9th, Cleveland, Ohio.
Rubber Trading Co., 9 Murray, New York.
Rubber Waste Co., 1724 Park av., New York.
Rubberhide Co., rubber boots, 212 Essex, Boston, Mass.
Rubberset Co., auto. tire preserver, roofing & carbon brushes, etc., 56 Ferry, Newark, N. J.
Rubberstone Flooring Corp., 1400 Broadway, New York.
Rubel Loose Leaf Mfg. Co., 314 W. Superior St., Chicago.
Rubelman, G. A., Hdwe. Co., 907 N. 6th, St. Louis, Mo.
Rubelmann, Lucas, Hdwe. Co., 1939 N. Broadway, St. Louis, Mo.
Ruben, Inc., Marcus, 625 S. State St., Chicago.
Rubens Paint & Glass Co., Richmond, Va.
Rubenstein, H., & Co., mattresses, 640 W. 14th, Chicago, Ill.
Robenstein, L., jewelry cases, 380 Lafayette, New York.

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Ruby Chemical Co., 157 W. State St., Columbus, O.
Ruby, Geo. H., Hardware Co., Oneida, N. Y.
Ruby Kid Co., Camden, N. J.
Ruby Mfg. Co., muffler cut-out valves, Springefild, Ohio.
Ruch Auto Top Co., auto. trunks, Mt. Vernon, N. Y.
Ruch, John, cornices, Richmond, Ind.
Ruckel & Son, J. H., 81 Main St., Buffalo, N. Y.
Ruckel Art Glass Co., 314 W. 4th, Cincinnati, Ohio.
Rucker, Benton & Co., flour mills, Waco, Ky.
Rucker Bros., lumber mfrs., Lake Stevens, Wash.
Rucker, J. B., & Son, flour, Troup, Tex.
Rucker Quarries, stone producers, Greenfield, Ohio.
Ruckman Bros., fertilizer mfrs., New Brunswick, N. J.
Ruckstell Sales & Mfg. Co., auto axles, Berkeley, Calif.
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Rudder Publishing Co. 9 Murray, New York.
Ruddock Orleans Cypress Co., New Orleans, La.
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Ruggles-Klingman Co., The, 200 Devonshire St., Boston, Mass.
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St. Louis Bank Equip. Co., bank, office & store fix., 811 Walnut, St. Louis, Mo.
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St. Louis Cash Register Co., 908 N. B'way, St. Louis, Mo.
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St. Louis Coffin Co., 1821 Chouteau av., St. Louis, Mo.
St. Louis Coke & Chemical Co., Boatmen's Bank Bldg., St. Louis, Mo.
St. Louis Confetti Co., 3 Market, St. Louis, Mo.
St. Louis Contr. Co., stone & granite, 4425 Clayton av., St. Louis, Mo.
St. Louis Cooperage Co., Main and Arsenal Sts., St. Louis, Mo.
St. Louis Cordage Mills, 1710 S. 11th St., St. Louis.
St. Louis Cut Stone Co., 3535 Gratiot, St. Louis, Mo.
St. Louis Electrical Works (now Valley Electric Co.), 3157 S. Kingshighway, St. Louis Mo.
St. Louis Electrotype Fdry Co., 125 S. 8th St., St. Louis, Mo.
St. Louis Felt & Bedding Co., mattresses, 208 S. 17th, St. Louis, Mo.
St. Louis Fire Door Co., 1134-42 So. Sixth St., St. Louis, Mo.
St. Louis Fireworks Co., 822 N. B'way, St. Louis, Mo.

ST. LOUIS FROG & SWITCH CO., St. Louis, Mo.
Pres.—John J. Lichter.
V. P.—R. S. Colnon.
Sec. & Treas.—R. E. Einstein.
Asst. Sec.—E. C. Argust.
Chicago—McCormick Bldg., D. J. Higgins.
Dallas, Tex.—Praetorian Bldg., W. D. Jenkins.
Denver, Colo.—Boston Bldg., Alfred Connor.
Houston, Tex.—Carter Bldg., W. D. Jenkins.
Los Angeles, Cal.—4806 7th Ave., K. C. Banks.
Salt Lake City, Utah—Kearns Bldg., R. J. Cooper.
Washington, D. C.—Munsey Bldg., Lewis O. Cameron.

St. Louis Furn. Assn., Dept. H, 25th & Palm, St. Louis, Mo.
St. Louis Glue Mfg. Co., 2125 Division St., St. Louis, Mo.
St. Louis Hardware Mfg. Co., 1509 W. 18th, St. Louis, Mo.
St. Louis Heating Co., 2402 Coleman, St. Louis, Mo.
St. Louis Hide & Tallow Co., 2nd & Talcott Sts., St. Louis, Mo.
St. Louis Independent Packing Co., 3857 Chouteau Ave., St. Louis, Mo.
St. Louis Iron & Machine Wks., 126 Chouteau Ave., St. Louis, Mo.
St. Louis Iron Store Co., 700 Cass Ave., St. Louis, Mo.
St. Louis Label Works, paper & pill boxes, cartons, etc., 925 N. 11th, St. Louis, Mo.
St. Louis Lantern Co., 18 Lucas av., St. Louis, Mo.
St. Louis Leather Goods Co., trav. bags, suit cases, etc., 720 Olive, St. Louis, Mo.
St. Louis Lightning Rod Co., DeKalb and Trudeau Sts., St. Louis, Mo.
St. Louis Lumber Co., 2509 S. Broadway, St. Louis, Mo.
St. Louis Machine Floor Surfacing Co., 2634 Olive St., St. Louis, Mo.
St. Louis Machine Tool Co., 932 Loughborough Ave., St. Louis, Mo.
St. Louis Machinists' Supply Co., 920 N. Broadway, St. Louis, Mo.
St. Louis Malleable Casting Co., 7701 N. Conduit Ave., St. Louis, Mo.
St. Louis Oil Co., lubrg., 2921 B'way, St. Louis, Mo.
St. Louis Oxygen Co., 2500 Montgomery, St. Louis, Mo.
St. Louis Paper Can & Tube Co., 3245-59 Big Bend Road, Maplewood Sta., St. Louis, Mo.
St. Louis Paper Co., folding paper boxes, 500 N. 3d, St. Louis, Mo.
St. Louis Piston Ring Corp., 1801 S. 2d, St. Louis, Mo.
St. Louis Plume & Plaiting Co., 620 N. B'way, St. Louis, Mo.

ST. LOUIS PRESSED STEEL CO., Box 72, East St. Louis, Ill.

St. Louis Pump & Equip. Co., The, Forest Park Blvd. at Spring Ave., St. Louis, Mo.
St. Louis Sash & Door Works, 3440 N. Broadway, St. Louis, Mo.
St. Louis Rail & Equip. Co., mill & facty. supplies, 20th & Lynch, East St. Louis, Ill.
St. Louis Rocky Mtn. & Pacific Co., coal mine, Raton, N. Mexico.
St. Louis Rubber Cement Co., 3948 W. Pine, St. Louis, Mo.

ST. LOUIS SCREW CO., 624 Clarence Ave., St. Louis, Mo.

Pres.—Edw. J. Miller.
V. P.—E. H. Miller.
Sec.-Treas.—Geo. Gruenewald.
Sales Mgr.—A. E. Krug.
District Representatives:
CALIF.—Los Angeles—Kierulff & Ravenscroft, 757 S. Los Angeles St.
Lippincott-Beall Co., Inc., Higgins Bldg., Broadway 1774.
San Francisco—Lippincott-Beall Co., Inc., Sheldon Bldg., Karny 2687.
COLO.—Denver—E. G. Konsheim., 304 Jacobson Bldg.
ILL—Chicago—S. B. Thompson, 140 S. Dearborn St., Dearborn 5987.
LA.—New Orleans—J. C. Markstein, Louisiana Bldg.
MINN.—St. Paul—Pfaff & Bathke, Pioneer Bldg.
TEX.—El Paso—Lippincott-Beall Co., Inc., Mills Bldg.
UTAH—Salt Lake City—C. M. Bollinger, Box No. 1224.
WASH.—Seattle—Lippincott-Beall Co., Inc., L. C. Smith Bldg., Elliott 3085.

St. Louis Shovel Co., 4038 Duncan St., St. Louis, Mo.
St. Louis Smelting & Refining Co., Int'l Life Bldg., St. Louis, Mo.
St. Louis Stamping & Testing Wks., laboratories, 713 Clark av., St. Louis, Mo.

ST. LOUIS STEEL CASTING COMPANY, 100 Malt St., St. Louis, Mo.

Pres.—Joseph Teipel.
V. P.—W. F. Heinecke.
Sec.—W. F. Exner.
Treas.—F. G. Langbein.

St. Louis Steel Package Corp., barrels & ice cans, Natural Bridge & Goodfellow av, St. Louis, Mo.
St. Louis Sticker Co., 1627 Washington Ave., St., Louis, Mo.

ST. LOUIS STRUCTURAL STEEL CO., St. Louis, Mo.

Pres.—H. J. Steinbreder.
V. P. & Treas.—G. B. Curtis.

ST. LOUIS SURFACER & PAINT CO., 4207 Arlington Ave., St. Louis, Mo.

St. Louis Terra Cotta Co., 5801-15 Manchester av., St. Louis, Mo.
St. Louis Tin & Sheet Metal Working Co., oil & grease cans, St. Louis, Mo.
St. Louis Tissue & Mfg. Co., toilet paper, paper cans & mailing tubes, 3117 N. Market, St. Louis, Mo.

ST. LOUIS TRUCK & MFG. CO., 3200 North Hall St., St. Louis, Mo.

St. Louis Trunk Hardware Mfg. Co., 609 Chouteau, St. Louis, Mo.
St. Louis Vitrified & Fire Brick Co., Wainwright Bldg., St. Louis, Mo.
St. Louis Washing Machine Co., St. Louis, Mo.
St. Louis Wire & Iron Co., 926-34 Choteau Ave., St. Louis, Mo.
St. Maries Lumber Co., St. Maries, Idaho.
St. Mary's Builders' Supply & Coal Co., St. Mary's O.
St. Mary's Mill Co., flour, St. Mary's, Mo.
St. Mary's Milling Co., flour, St. Mary's, W. Va.
St Mary's Oil Engine Co., Inc., The, St. Charles, Mo.
St. Mary's Planing Mill Co., St. Mary's, Ohio.
St. Marys Sewer Pipe Co., St. Marys, Pa.
St. Marys Wheel & Spoke Co., St. Marys, O.
St Mary's Woolen Mfg. Co., St. Mary's, O.
St. Mungo Mfg. Co., golf balls, 121 Sylvan av., Newark, N. J.
St. Paul & Tacoma Lumber Co., St. Paul, Minn.
St. Paul Brass Fndry. Co., Minn. & 2nd, St. Paul, Minn.
St. Paul Building Co., 460 Rice, St. Paul, Minn.
St. Paul Coal Co., Railway Exch. Bldg., Chicago, Ill.
St. Paul Crushed Stone Co., Steward & Victoria, St. Paul, Minn.
St. Paul Electric Co., 145 E. 5th St., St. Paul, Minn.

ST. PAUL FDRY. CO., Como Ave., & Mackubin, St. Paul, Minn.

St. Paul Gas Appliance Co., stoves, St. Paul, Minn.
St. Paul Gas Light Co., 6th & Cedar, St. Paul, Minn.
St. Paul Lime & Cement Co., Ryan Bldg., St. Paul, Minn.
St. Paul Machinery Mfg. Co., Como Ave., Marion St., St. Paul, Minn.
St. Paul Mach. Wks., 123 W. 3d, St. Paul, Minn.
St. Paul Roofing, Cornice & Ornament Co., So. End of Wabash Street Bridge, St. Paul, Minn.
St. Paul Stone Co., 868 E. Minnehaha, St. Paul, Minn.
St. Paul Stone Quarries Co., St. Paul, Ind.
St. Paul Welding & Mfg. Co., 174 W. 3rd St., St. Paul, Minn.
St. Paul White Lead & Oil Co., Water & Starkey Sts., St. Paul, Minn.
St. Regis Paper Co., Watertown, N. Y.
St. Thomas Canning Co., St. Thomas, Mo.
Saint, W. J. T., sash, door & blind mfr., Sharpsburg, Pa.
Saiter, F. R., cornices, Marion, Ohio.
Saiter-Morgan Co., whol. hdwe., Vincinnes, Ind.
Saks Stamping Co., West Monell av., Huntington, W. Va.
Saladin & Co., Louis, 1241 DeKalb Ave., Brooklyn, N. Y.
Salamanca Furn. Works, Dept. H, Salamanca, N. Y.
Salamander Grate Bar Co., 39 Cortlandt St., New York.
Salaski, John, granite producers, St. Cloud, Minn.
Salch, Bros., metal spinning, lumps, 208 Lafayette, New York.
Salem Brass Foundry, 7 Franklin, Salem, Mass.
Salem Brass & Iron Mfg. Co., machsts. & fndrs., Salem, N. J.
Salem Brick & Lumber Co., Slidell, La.
Salem Brick Co., Salem, Va.
Salem Bros., shades, 122 Centre, New York.
Salem Canning Co., Salem, N. J.
Salem Chemical & Supply Co., almond meal, 2 Walter, Salem, Mass.
Salem China Co., crockery, Salem, Ohio.
Salem Constr. Co., Salem, Ore.
Salem Co-operative Window Glass Co., Salem, W. Va.
Salem Electrical Supply Co., woven wire brushes, 285½ Bridge, Salem, Mass.
Salem Elevator Works, 76 Lafayette St., Salem, Mass.
Salem Fdry. & Mach. Wks., College Ave., Salem, Va.
Salem Foundry & Machine Wks., Salem, Va.
Salem Glass Works, Salem, N. J.
Salem Hardware Co., Salem, Ohio.
Salem Iron Co., blast furnaces, Leetonia, Ohio.
Salem Iron Works, Winston-Salem, N. C.
Salem Lamp Co., tungsten lamps, Saunders, Salem, Mass.
Salem Mattress Co., Salem, Va.
Salem Plumbing & Lighting Supply Co., 44 Lafayette, Salem, Mass.
Salem Rubber Co., 156 Essex, Salem, Mass.
Salem Supply Co., canned goods, Salem, N. J.

SALEM TOOL CO., Salem, O.

Sales Co. of America, 420 Turk, San Francisco, Calif.
Sales F. A. Co., Inc., see Leather-Steel Products Co. (successors).
Sales M. W., & Co., plbrs., mill & facty. supplies, 315 W. Jefferson av., Detroit, Mich.
Salesburg Refining Co. (Ltd.), sugar, Lauderdale, La.
Salfisberg, J. E., & Co., contrs., Aurora, Ill.
Salina Packing Co., canned goods, Anacortes, Wash.
Salina Solar Coarse Salt Co., Syracuse, N. Y.
Salina Vitrified Brick Co., Salina, Kan.
Salina Vitrified Brick Co., Salina, Kan.
Saline Bros., spec. machy., etc., 1350 S. Bonnie, Los Angeles, Calif.
Saline Valley Roller Mills, flour, Bumpus Mills, Tenn.
Saling-Hanson & Co., lumber, Grayling, Mich.
Salinger, Chas., cornices, 1110 Ridge av., Phila., Pa.

SALISBURY & CO., INC., W. H., Office—Madison & Franklin Sts., Chicago.
Factory—411-421 N. Morgan St., Chicago.
Pres.—M. B. Salisbury.
V. P.—H. H. Salisbury.
Secy.—J. C. Kettner.
Sales Mgr.—T. R. Claffy.

Salisbury & Satterlee Co., machsts., 201 S. E. Main, Minneapolis, Minn.
Salisbury Axle Co., Inc., Jamestown, N. Y.
Salisbury Bros., lumber, Clinton, Wash.
Salisbury Bros. Furniture Co., Randolph, Vt.
Salisbury Brick Co., Salisbury, Md.
Salisbury Cutlery Handle Co., Salisbury, Conn.
Salisbury, F. B., lumber, Clinton, Wash.
Salisbury Iron Corporation, Lime Rock, Conn.

SALISBURY-SCHULZ CO., P. A., 157-159 W. Randolph St., Chicago.
Pres.—Frank L. Schulz.
Secy. & Treas.—P. A. Salisbury.

Salisbury Wood-Working Co., sash, door & blind mfrs., Salisbury, Md.
Sall Mountain Co., 140 S. Dearborn St., Chicago.
Salladay Hdwe. Co., Twin Falls, Idaho.
Salling, N. P., sash, door & blind mfrs., Anderson, Ind.
Salm, Ernest, canned goods, Phalanx, N. J.
Salmen Brick & Lbr. Co., Slidell, La.
Salmon Bay Foundry, Inc., 5320 24th av. N. W., Seattle, Wash.
Salmon Creek Lumber Co., Kellettville, Pa.
Salmon Falls Mfg. Co., 50 State St., Boston, Mass.
Salmon, John, & Co., contrs., La Salle, Ill.
Salmond & Son, Samuel, Hanover, Mass.
Salmond, Scrimshaw & Co., contrs., Arlington, N. J.
Salnave, W. A., machsts., Canandaigua, N. Y.
Salom Elec. Storage Battery Co., Niagara Falls, N. Y.

SALOMAN & BRO., L. A., 216 Pearl St., New York.

Salomon & Co., A. L., 345 Broadway, New York.
Salomon-Waterton Co., contrs., 230 E. Ohio, Chicago, Ill.
Salt Lake Eng. Wks., 4th S. and 6th W. Sts., Salt Lake City, Utah.
Salt Lake Harbor Co., Salt Lake City, Utah.
Salt Lake Iron & Steel Co., Salt Lake City, Utah.
Salt Lake Knitting Wks., Salt Lake City, Utah.
Salt Lake Mattress & Mfg. Co., Salt Lake City, Utah.
Salt Lake Mill Co., contrs., Salt Lake City, Utah.
Salt Lake Pressed Brick Co., Salt Lake City, Utah.
Salt Lake Sash Weight Fdry., Salt Lake City, Utah.
Salt Lake Stamp Co., Salt Lake City, Utah.
Salt Lick Lumber Company, Salt Lick, Ky.
Salt Lick Milling Co., flour, Valmeyer, Ill.
Salt, Wm. B., Mfg. Co., steel & cast iron piston rings, Aspinwall, Pa.
Salter Canning Co., North Rose, N. Y.
Salter, J., & Son, granite, Groton, Conn.
Salter Mfg. Co., music cabinets, 339 N. Oakley bl., Chicago, Ill.
Salter Motor Mfg. Co., cylinder grinders & oxy-acetylene apparatus, 1516 Oakland av., Kansas City, Mo.
Saltkeatchie Lumber Co., Schofield, S. C.
Salt's Textile Mfg. Co., plushes, Kossuth av., Bridgeport, Conn.
Saltsburg Coal Mining Co., bituminous, Leechburg, Pa.
Saltser & Wimsler, 175 Cook St., Brooklyn, N. Y.

SALWEN & KELLER, 901 Broadway, New York.

Salyer, H. M., jigs, fixtures, etc., 23 Camp pl., Newark, N. J.
Salyers, C. D., & Son, cornices & skylights, Carrollton, Ky.
Sals Brothers, 71 W. 35th St., New York.
Salzberg, H. E., Co., Inc., machy. dlrs., 30 Church, New York.
Salzer, B. F., Lumber Co., 501 S. B'way, Denver, Colo.
Salzer Electric Co., 628 Prospect Ave., Cleveland, O.
Salzman, G. O., machsts., Marietta, Ohio.
Samelow & Co., S. J., 160 N. La Salle St., Chicago.
Samels Bros. & White, canned goods, Chaska, Minn.
Samlovitz, Max, cornices, 267 E. 133d, New York.
Sammet, G. W., & Son Co., mattresses, 8 Atlantic av., Boston, Mass.
Sammons, V. K., furn. Dept. H, 30th & Seo. Blvd., Kansas City, Mo.
Sammons, W. S., lumber mfrs., Sammonsville, N. Y.
Samoline Corp., Inc., cleaning compounds & polishes, 1300 Fletcher, Chicago, Ill.
Sampel, J. F., machst. & fndr., Boone, Iowa.
Sampliner Adv. Co., 1600 B'way, New York.
Sampson & Murdock Co., 246 Summer St., Boston, Mass.
Sampson, Alden, & Sons, oilcloth mfrs., 320 B'way, New York.
Sampson Co., Geo. H., 67 Oliver St., Boston, Mass.
Sampson, J. A., heating contr., 938 Westminster, Providence, R. I.
Sampson, J. S., Co., contrs., Monadnock Bldg., San Francisco, Calif.
Sampson, T. H., Helena, Ark.
Sampson Tire & Rubber Co., Compton, Calif.
Samson Auto Top & Equipment Co., 35 Portland, Providence, R. I.
Samson Cordage Works, 88 Broad St., Boston, Mass.
Samson Electric Co., Canton, Mass.
Samson Sieve-Grip Tractor Co., Stockton, Cal.
Samson Tractor Co., Janesville, Wis.
Samson Trailer Works, Grand Rapids, Mich.
Samuel & Sons, Inc., M., Woolworth Bldg., New York.

SAMUEL FRANK & CO., Harrison bldg., Phila., Pa.
Branches:
Boston, Mass.—53 State
New York, N. Y.—39 Cortland
Pittsburgh, Pa.—Wabash bldg.

Samuel, Frank, Harrison Bldg., Philadelphia, Pa.
San Angelo Fndry. & Mach. Co., San Angelo, Tex.
San Antonio Foundry Co., San Antonio, Tex.
San Antonio Machine & Supply Co., San Antonio, Tex.
San Antonio Portland Cem. Co., San Antonia, Tex.
San Antonio Sand Lime Brick Co., San Antonio, Tex.
San Antonio Sewer Pipe Works, San Antonio, Tex.
San Antonio Sheet Metal Wks., San Antonio, Tex.
San Antonio Tent & Awning Co., 129 Military Plaza, San Antonio, Tex.
San Augustine Lumber Co., Keltys, Texas.
San Diego Constr. Co., contrs., San Diego, Calif.
San Diego Lamp & Mfg. Co., State at Market St., San Diego, Cal.
San Diego Lumber Co., San Francisco, Calif.
San Diego Mach. Co., San Diego, Calif.
San Diego Sheet Metal Works, San Diego, Calif.
San Diego Trunk & Bag Co., San Diego, Calif.
San Francisco Brass Foundry, 48 Clementina, San Francisco, Calif.
San Francisco Brazing & Welding Works, 575 Howard, San Francisco, Calif.
San Francisco Bridge Co., Nev. Bank Bldg., San Francisco, Cal.
San Francisco Calendar Nov. Co., adv. novelties, 320 1st., San Francisco, Calif.
San Francisco Casket Co., 321 Valencia, San Francisco, Calif.
San Francisco Elevator Co., Inc., 860 Folsom, San Francisco, Calif.
San Francisco Engineering Co., 322 6th St., San Francisco, Cal.
San Francisco Fibre & Cordage Co., 223 San Bruno av., San Francisco, Calif.
San Francisco Galvanizing Works, 1176 Harrison, San Francisco, Calif.
San Francisco Iron & Metal Co., rails, etc., 2301 Stockton, San Francisco, Calif.
San Francisco Ladder Co., 1224 Folsom, San Francisco, Calif.
San Francisco Metal Stamping Works, 2269 Folsom, San Francisco, Calif.
San Francisco Mill Furnishing Co., brewers' & malsters machy. & supplies, 521 7th, San Francisco, Calif.
San Francisco-Oakland Terminal Rys., machsts. & fndrs., Oakland, Calif.
San Francisco Pioneer Varnish Wks., 816 Mission, San Francisco, Calif.
San Francisco Plating Works, 1349 Mission, San Francisco, Calif.
San Francisco Plumbing Supply Co., San Francisco, Calif.
San Francisco Quarries Co., Balboa Bldg., San Francisco, Calif.
San Francisco Ship Building Co., 310 California, San Francisco, Calif.
San Francisco Stove Works, 260 Townsend, San Francisco, Calif.
San Francisco Sulphur Co., 624 California, San Francisco, Calif.
San Giacomo Sons, scrap rubber, 137 South, Newark, N. J.
San Joaquin Brick Co., Stockton, Cal.
San Joaquin Light & Power Co., 1405 Fulton, Fresno, Calif.
San Joaquin Pump Co., check valves & centrifugal pumps, 2232 Railroad av., Fresno, Calif.
San Jose Brick Co., San Jose, Calif.
San Jose Canning Co., San Jose, Calif.
San Jose Foundry, San Jose, Calif.
San Jose Hdwe. Co., whol. hdwe., San Jose, Calif.
San Jose Spray Mfg. Co., insecticides, Emory & Stockton av., San Jose, Calif.
San Jose Tent & Awning Co., San Jose, Calif.
San Juan Canning Co., Friday Harbor, Wash.
San Juan Fishing & Packing Co., Stacy and E. Waterway Sts., Seattle, Wash.
San Pedro Lumber Co., 110 Market, San Francisco, Calif.
San Vincente Lumber Co., Santa Cruz, Cal.
Sanborn & Son, Jno., 214 Front St., New York.
Sanborn & Weed, archts., Item Bldg., Lynn, Mass.
Sanborn Brick & Ice Co., Portage, Wis.
Sanborn Carriage Co., 453 Chestnut, Manchester, N. H.
Sanborn Cutting Co., Astoria, Ore.
Sanborn Electric Co., 309 N. Illinois St., Indianapolis, Ind.
Sanborn Furnace Co., Methuen, Mass.
Sanborn, J. W., fertz. mfr., Pittsfield, N. H.
Sanborn Map Co., 11 Broadway, New York.
Sanborn Sectional Weight Co., 527 W. 125th, New York.
Sand, Jno. A., sweaters, etc., 2408 W. Chicago, av., Chicago, Ill.
Sand Lime Brick Co., Boise, Idaho.
Sand Mixing Machine Co., 366 Madison Ave., New York.
Sand Point Lumber & Pole Co. (Inc.), Sand Point, Idaho.
Sandage Die & Tool Co., models, etc., 409 S. San Pedro, Los Angeles, Calif.
Sander, A., Packing Co., meat, 1026 Gest, Cincinnati, Ohio.
Sander, C. A., pyrometers, Irvington, N. Y.
Sanders, A. J., & Sons, lbr., Gosport, Ind.
Sanders, A. W., Calumet bldg., St. Louis, Mo.
Sanders, Alva, spoke factory, Ashland, Ky.
Sanders Bros. Mfg. Co., sash, door & blind mfrs., porch columns, Ottawa, Ill.
Sanders Copper & Brass Works, 431 Folsom, San Francisco, Calif.
Sanders-Egbert Co., Goshen, Ind.
Sanders, H. H., plate glass, Binghamton, N. Y.
Sanders, J. K., cornices & skylights, Savannah, Ga.
Sanders, John G., iron works, Monroe, La.
Sanders Lumber Co., Taunton, Mass.
Sanders Mfg. Co., meat & food choppers, 294 8th av., Newark, N. J.
Sanders, P. M., & Co., lumber, Dept. H, Aliceville, Ala.
Sanders, Robert E., machsts. & fndrs., Ashland, Wis.
Sanders, Smith & Co., cotton batting, E. 19th, Charlotte, N. C.
Sanderson & Partner, shipbldrs., Willapa Harbor, Wash.
Sanderson & Porter, 52 William St., New York.

Sanderson-Cyclone Drill Co., Orrville, O.
Sanderson, E. P., & Co., whol. hdwe., Cambridge, Mass.
Sanderson Fertilizer & Chemical Co., 2 Wood W. H., New Haven, Conn.
Sanderson, L. M., clothes lines, cottton mops, Haydenville, Mass.
Sanderson, Robt., wood handles, Singac, N. J.
Sandford-Robinson Lumber Co., Pittsburg, Kan.
Sandlin, J. R., turpentine, Jasper, Fla.
Sandlund, Peter, machsts. & fndrs., Marinette, Wis.
Sandow Motor Truck Co., 1621 S. Micaigan Ave., Chicago.
Sandow Tool Co., 396 Broadway, New York.
Sandoval Brass & Iron Wks., Sandoval, Ill.
Sandoval Zinc Co., 410 N. Peoria, Chicago, Ill.
Sands & Son Co., A. B., 20 Vesey St., New York.
Sands Electrical & Mfg. Co., H. S., Wheeling, W. Va.
Sands, Gardner T., lbr., Pentwater, Mich.
Sands, Geo. R., stone, Cambridge, Mass.
Sands, H. S., Electrical & Mfg. Co., machsts., 39 11th, Wheeling, W. Va.
Sands, Louis, Salt & Lumber Co., Manistee, Mich.
Sands Mfg. Co., water coil heaters, 5407H Sweeney av., Cleveland, Ohio.
Sandstrom, G. S., Furniture Mfg. Co., 1500 E. 12th, Oakland, Calif.
Sandusky Cement Co., Engineers Bldg., Cleveland, O.
Sandusky Foundry & Machine Co., Sandusky, O.
Sandusky Glass Mfg. Co., Sandusky, O.
Sandusky Nut Co., Sandusky, Ohio.
Sandusky Packless Valve Co., 1209 W. Adams St., Sandusky, O.
Sandusky Sand Co., Sandusky, Ohio.
Sandusky Sash, Door & Lumber Co., Sandusky, O.
Sandusky Tool Co., Sandusky, O.
Sandusky Washer Co., electric washing machines, Sandusky, Ohio.
Sandwich Mfg. Co., Sandwich, Ill.
Sandy Hill Iron & Brass Works, (Paper Mill Machy.), 27 Allen St., Hudson Falls, N. Y.
Sandy Point Ship Bldg. Co., Sandy Point, Me.
Saner-Ragley Lumber Co., Carmona, Tex.
Sanford & Son, machsts. & fndrs., Fayetteville, Ark.
Sanford & Treadway, 139 Chapel, New Haven, Conn.
Sanford Bodge Lumber Co., New Orleans, La.
Sanford, C. F., Mfg. Co., vises, grinders & milling machy., Bridgeport, Conn.
Sanford, C. L., brick, Southold, N. Y.
Sanford, Chas. E., & Co., mill & facty. supplies, 202 Washington av. N., Minneapolis, Minn.
Sanford Cotton Mills, Sanford, N. C.
Sanford, David C., Co., machsts. & fndrs., 39 Drove, Bridgeport, Conn.
Sanford-Day Iron Works, Knoxville, Tenn.
Sanford, F. C., Mfg. Co., vises & grinders, 2060H Fairfield av., Bridgeport, Conn.
Sanford, F. L., Zona, La.
Sanford, Jas. A., machsts., Jackson, Mich.
Sanford Mfg. Co., Congress and Peoria Sts., Chicago.
Sanford Mfg. Co., F. C., Bridgeport, Conn.
Sanford Mills, carriage robes, horse blankets, car plush, Sanford, Me.
Sanford Mining Co., Terre Haute, Ind.
Sanford Motor Truck Co., 107 St. Marks Ave., Syracuse, N. Y.
Sanford Pen Co., Inc., fountain pens, 16-18 Concord, Brooklyn, N. Y.
Sanford Riley Stoker Co., 9 Neponset St., Worcester, Mass.
Sanford Sash & Blind Co., Sanford, N. C.
Sanford, Thos. F., bank & office railings, 232 B'way, Buffalo, N. Y.
Sanford, W. H., canned goods, Tucker Hill, Va.
Sangamo Coal Co., Springfield, Ill.
Sangamo Electric Co., Springfield, Ill.
Sanger, A. J., scrap iron, National City Bldg., Cleveland, Ohio.
Sanger Mill & Elevator Co., flour, Sanger, Tex.
Sangertiers Mfg. Co., (Blank Books) 395 Broadway, New York.
Sanguinet, Staats, Hedrick & Gottlieb, archts., Carter Bldg., Houston, Texas.
Sanguinetti, Augusto, granite, Barre, Vt.
Sanguinetti Canning Co., Mountain View, Calif.
Sanibilt Specialties, Inc., 299 Broadway, New York.
Sanifect Co., disinfectants, etc., 461 8th av., New York.
Sani-Mist Co., furniture polish, New London, Conn.
Sani Products Co., 209 W. Randolph St., Chicago.
San-itai-ric Filler Co., Div. of G. J. Liebich Co., 166 W. Kinzie St., Chicago.
Sanitarium Equipment Co., elec. baths & electro therapeutic apparatus, Battle Creek, Mich.
Sanitary & Heating Engineering (trade publication), 15 E. 40th, New York.
Sanitary Appliance Co., Neenah, Wis.
Sanitary Appliance Co., 308 Baker St., Houston, Tex.
Sanitary Can Co., 120 Broadway, New York.
Sanitary Cement Co., sinks, Everett, Mass.
Sanitary Chemical Closet Co., Hillsdale, Mich.
Sanitary Co. of America, Linfield, Pa.
Sanitary Co., cast iron soil pipe mfrs., Widener Bldg., Philadelphia, Pa.
Sanitary Co., fndrs., Cleveland, Ohio.
Sanitary Composition Floor Co., Syracuse, N. Y.
Sanitary Construction Co., Paterson, N. J.
Sanitary Cooler Co., Pottstown, Pa.
Sanitary Earthenware Spec. Co., Southard Ave., Trenton, N. J.
Sanitary Engineering Co., Charlotte, N. C.
Sanitary Equipment Mfg. Co., 220 E. 38th St., New York.
Sanitary Feather Co., 426 S. Canal St., Chicago.
Sanitary Felting & Mattress Co., 319 Hydraulic av., South Bend, Ind.
Sanitary Fibre Co., 342 S. Hoyne Ave., Chicago.
Sanitary Fire Proofing & Contracting Co., 2534 E. 177th St., New York.
Sanitary Fish Co., canned, Anacortes, Wash.
Sanitary Fixtures Co., 114 W. 2nd St., Boston, Mass.
Sanitary Garbage Box Co., 2510 Irving Park Blvd., Chicago, Ill.
Sanitary Heating & Ventilating Co., Inc., Dept. H, Wysong & Miles, Greensboro, N. C.
Sanitary Htg. Co., fire place htrs., 233 37th, Brooklyn, N. Y.
Sanitary Mattress Co., Youngstown, Ohio.
Sanitary Mechanical Specialty Co., sewage ejectors, 1020 Lexington av., New York.
Sanitary Metal Basket Co., Lafayette, Ind.
Sanitary Packing Co., Hollandsburg, Ohio.
Sanitary Plumbing Co., Atlanta, Ga.
Sanitary Products Corp., mfrs. disinfectants, insecticides, liquid soap, 2710 Lefevre, Philadelphia, Pa.
Sanitary Rag Co., Frank, Kalamazoo, Mich.
Sanitary Refrigerating Mach. Co., Milwaukee, Wis. (Now Frankenberg Refrigerating Mach. Co.)
Sanitary Spec. Co., closet seats, Hazard & Collins, Philadelphia, Pa.
Sanitary Stove Mfg. Co., Benton, Ill.
Sanitary Strainer Co., Maiden Rock, Wis.
Sanitary Street Flushing Mach. Co., 508 Biddle, St. Louis, Mo.
Sanitary Tinning & Mfg. Co., 3781 E. 93d, Cleveland, Ohio.
Sanitary-Washed Wiper Co., machine, 813-15 S. Delaware, Indianapolis, Ind.
Sanitary Wiping Cloth Co., 2265 S. Union Ave., Chicago.
Sanitas Company, Inc., The, 33 Keap St., Brooklyn, N. Y.
Sanitas Mfg. Co. (Plumbing Sups.), 105 Washington St., Boston, Mass.
Sanitas Mfg. Co., machsts. & brass fndrs., Wakefield, Mass.
Sanitation & Supply Co., The, 70 East 45th St., New York.
Sanitation Corp., sewage treatment apparatus, 165 Broadway, New York.
Sanitax Brush Co., 1001 W. Washington Blvd., Chicago.
Sanitor Constr. Co., 3050 4th av. S., Minneapolis, Minn.
Sani-White Products Co., sinks, drainboards, etc., Santa Clara, Calif.
Sankey Bros., 2112 Carson St., Pittsburgh, Pa.
San-Knit-ary Textile Mills, knitted towels, 10th & Diamond, Philadelphia, Pa.
Sanner Hdwe. Co., Shamokin, Pa.
Sanon Mfg. Co., airplane parts & supplies, 1034 Grand av., Toledo, Ohio.
San Ti Lite Corp., sanitary flooring, Syracuse, N. Y.
Sansom & Rowland, whol. hdwe., 505 Commerce, Philadelphia, Pa.
Sansom, John H. A., handles, 174 Worth, New York.
Sant, John, & Sons Co., potters' supplies East Liverpool, Ohio.
Santa Barbara Tie & Pole Co., Albuquerque, N. M.
Santa Clara Produce Canning Co., San Jose, Calif.
Santa Clara Valley Mill & Lumber Co., San Jose, Calif.
Santa Cruz Fruit Packing Co., 9 Main, San Francisco, Calif.
Santa Cruz Portland Cement Co., Crocker Bldg., San Francisco, Calif.
Santa Fe Foundry Co., Richmond, Calif.
Santa Fe Fuel Co., masons' & bldrs.' matls., El Paso, Tex.
Santa Fe Lumber Co., 16 California St., San Francisco, Cal.
Santa Fe Machine Shop, 1335 Santa Fe av., Los Angeles, Calif.
Santa Rosa Flour Mills Co., Santa Rosa, Calif.
Santee Mills, cotton sheeting, Orangeburg, S. C.
Santo Vacuum Cleaner Co., 820 6th av., New York.

SANTO VACUUM CLEANER CO., 1304 Diamond, Philadelphia, Pa.

Sanucci Paola, contrs., Medina, N. Y.
Sanymetal Products Co., The, 978-988 E. 64th St., Cleveland, O.
Sapero Rabitshek Co., overalls, 121 Wash. av. N., Minneapolis, Minn.
Sapihl Elec. Tool Co., grinder, Galesburg, Ill.
Sapo Chemical Co., cleaning compounds, 4368 Delmar av., St. Louis, Mo.
Saponol Chemical Co., polishing cloths, soap, etc., 1916 Park av., New York.
Saporiti, J. P., & Co., granite prod., Barre, Vt.
Sapp Hdwe. Co., whol. 142H Broad, Albany, Ga.
Sapphire Products Co., 51 Chambers St., New York.
Sapulpa Brick Co., Sapulpa, Okla.
Sapulpa Pressed Brick Co., Sapulpa, Okla.
Sapulpa Refining Co., Sapulpa, Okla.
Sarachan & Rosenthal, scrap rubber, Rochester, N. Y.
Saranac Co., paper & pulp mills, Plattsburg, N. Y.
Saranac Machine Co., Benton Harbor, Mich. (Paper)

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Boston—261 Franklin St., Quested L. Elgar.
Buffalo—325 Ellicott Square, W. G. Moorman.
Chicago—Monadnock Block, G. H. Burke.
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Cleveland—7016 Euclid Ave., F. K. Minor.
Detroit—926 Peter Smith Bldg., G. F. Cordner.
Louisville—1008 Stark Bldg., Frederick Wehle.
Montreal, Canada—179 Delorimer Ave., Peacock Bros.
New Orleans—2741 Perdide St., Chas. Grunebery & Co.
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St. Louis—Railway Exchange Bldg., G. W. Pickeen.

Sarcoxie Canning Co., Sarcoxie, Mo.
Sardeson, John, contr., Fredonia, N. Y.
Sargeant Mfg. Co., 79 Summit St., Newark, N. J.
Sargent & Co., Water & Wallace, New Haven, Conn.
Sargent & Co., E. H., 625 W. Jackson blvd., Chicago.
Sargent & Greenleaf, Inc., Joseph Ave. & Norton St., Rochester, N. Y.
Sargent & Ham Co., 28 Scotia St., Boston, Mass.
Sargent & Lundy, mech. & elec. engineers, 72 W. Adams, Chicago, Ill.

SARGENT COMPANY, 621 W. Jackson Blvd., Chicago.
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Sargent Co., George F., 138 E. 35th St., New York.
Sargent Steam Meter Co., Chicago. (Now Hyperbolic Flow Meter Co.)
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Sargent, Geo. W., mach. & fndr., Keene, N. H.
Sargent, L. W., carriage bows, Newburyport, Mass.
Sargent, Osgood & Roundy Co., agricultural implts., Randolph, Vt.
Sargent Paint Co., 502 Mass. av., Indianapolis, Ind.
Sargent Tile Ditcher Co., Ft. Dodge, Iowa.
Sargent's, Chas. G., Sons Corp., machsts. & fndrs., textile machy., Graniteville, Mass.
Sarlandt, Oscar J., 268 1st, San Francisco, Calif.
Sarlow Paint & Varnish Co., 300 N. Los Angeles, Los Angeles, Calif.
Saron, David, cornices, 2164 Madison av., New York.
Sartell Bros. Co., lumber, Sartell, Minn.
Sartorius Co., iron, 15th & Utah, San Francisco, Calif.
Sartorius Provision Co., meat packers, 2734 Arsenal, St. Louis, Mo.
Sarvis Timber Co., Steamboat Springs, Colo.
Sarvis, W. H., granite, 941 W. 5th, Cincinnati, Ohio.
Sasse, Geo. F., 18 N Navaho pkwy., Buffalo, N. Y.

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Sec.—A. Gloor.
Asst. Sec. & Treas.—T. A. Mayer.
Treas.—M. T. Sasgen.
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MD.—Baltimore—Loane Engr. Co., 208 S. Hanover St.
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Satin Gloss Polish Co., 426 Fore, Portland, Me.
Satsuma Co., camphor, Satsuma Heights, Fla.
Satter, H., & Son, stone, 219 Gordon, Perth Amboy, N. J.
Satterlee Co., F. E., 118 Washington Ave., Minneapolis, Minn.
Satterlee Electric Co., 22 E. 9th St., Kansas City, Mo.
Satterthwaite Bros., mill & facty. supplies, Tecumseh, Mich.
Sattler, Peter, Co., harness, Toledo, Ohio.
Saturn Fdry. & Mach. Co., 15 & 18th, Wheeling, W. Va.
Saucer-Boyd & Co., turpentine, Baldwin, Fla.
Sauer, Chas. A., & Co., contrs., Ann Arbor, Mich.
Sauer Co., The C. F., Richmond, Va.
Sauer, N., **Milling Co., flour,** Cherryvale, Kan.
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SAUERMAN BROS., sand & gravel excavating & conveying machy., 438 S. Clinton, Chicago, Ill.

Saugatuck Mfg. Co., button mfrs., Saugatuck, Conn.
Saugerties Coal & Lumber Co., masons' & bldrs.' matls., Saugerties, N. Y.
Saugerties Fdry. & Mach. Co., Saugerties, N. Y.
Sauk Center Granite Co., Sauk Center, Minn.
Sauk City Canning & Pickling Co., Sauk City, Wis.
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Saulpaw, G. L., & Son, flour mills, Calhoun, Tenn.
Saulpaugh's Sons, J. M., 705 E. 11th St., New York.
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Saulsbury Bros., canned goods, Ridgely, Md.
Saum, Jno. R., cornices & skylights, Harrisonburg, Va.
Saums Co., Geo. W. (Concrete & Wood Preservatives), Plainfield, N. J.
Saunders & Co., dies, models & mop making machy., 1700 Brooklyn av., Kansas City, Mo.
Saunders & Franklin, chemists, 184 Whittier av., Providence, R. I.
Saunders Car Stopper & Equipment Co., 17th & Olive Sts., St. Louis, Mo.
Saunders Cotton Mills, Saundersville, Mass.
Saunders, E. F., & Co., fertilizer mfrs., Pensacola, Fla.
Saunders, E. W., Nebraska Blvd., Tulsa, Okla.
Saunders, H. J., wagon covers & tents, 912 La Salle av. Minneapolis, Minn.
Saunders, J. A., Co., plate & window glass, 14545 Lorain, Cleveland, Ohio.
Saunders, Jos., Co., machsts., Dayton, Ohio.

SAUNDERS' SONS, INC., D., Yonkers, N. Y.
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Sauquoit Toilet Paper Co., New Hartford, N. Y.
Saurer, Adolph, embroidering machs., River av. & 151st, New York.
Sauselein, Geo. C., brick, Maple Shade, N. J.
Sauters Coal Co., Leader News Bldg., Cleveland, O.
Sauveur-Boylston, metallurgical engineers & metallurgical apparatus, Cambridge, Mass.
Savage, B. B., & Co., mattresses, 3 Factory, New Haven, Conn.
Savage Arms Corp., Utica, N. Y.
Savage Bros., Provident Bldg., Tacoma, Wash.
Savage Bros. Co., 2638-46 Gladys Ave., Chicago.
Savage Co., Inc., W. J. Knoxville, Tenn.
Savage Expansion Bolt Corp., 9 Desbrosses St., New York.
Savage Fire Brick Co., Meyersdale, Pa.
Savage, John A., & Co., pig iron, 825 Dixie Terminal, Cincinnati, Ohio.
Savage, M. J., canned goods, Flatiron Bldg., San Francisco, Calif.
Savage Mfg. Co., Savage, Md.
Savage Mfg. Co., Ford accessories, 1913 Western av., Seattle, Wash.
Savage Mfg. Co., tissue paper, Skowhegan, Me.

Savage Products Co., spark timers, 465 E. 31st Los Angeles, Calif.
Savage Mountain Fire Brick Co., Frostburg, Md.
Savage-Scofield Co., masons' matls., 1533 Dock, Tacoma, & 1733 Westlake av. N., Seattle, Wash.
Savage Stanley Mfg. Co., gasovens, 414 S. Campbell, Chicago, Ill.
Savage Tire Co., see Spreckels Savage Tire Co. (successor).
Savage, W. E., & Co., contractors, 56 Pine, New York.
Savage, W. H., mill & factory supplies, 327 Main, Fitchburg, Mass.
Savannah Blow Pipe & Exhaust Co., Savannah, Ga.
Savannah Chemical Co., Savannah, Ga.

SAVANNAH CREOSOTING COMPANY, Station F, New Orleans, La.
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Savannah Creosoting Co., Inc., The, Savannah, Ga.
Savannah Guano Co., Savannah, Ga.
Savannah Heating Co., Savannah, Ga.
Savannah Handle Co., Savannah, Ga.
Savannah Iron & Wire Works, Liberty & Houston Sts., Savannah, Ga.
Savannah Kaolin Co., china, clay, etc., Savannah, Ga.
Savannah Lumber Co., Savannah, Ga.
Savannah River Lbr. Co., Savannah, Ga.
Savannah Roofing Co., Savannah, Ga.
Savannah Supply Co., see Pierce, Butler & Pierce.
Savard, A., ink traps, 2412 Ames av., Omaha, Neb.
Save Electric Corp., Front & Main Sts., Toledo, O.
Savell Sayre & Co., Inc., antimony, chloride, etc., Niagara Falls, N. Y.
Savels, O. M., & Co., machsts., Plum, Worcester, Mass.
Savidge, A. C., 75 N. New Jersey St., Indianapolis, Ind.
Savill's Sons, Thos., 1310-12-14 Wallace St., Philadelphia, Pa.
Savo Mfg. Co., radiator air moisteners & flower tubs, 111 Monroe, Chicago, Ill.
Sav-Oil Ring Mfg. Co., 1037 S. Figueroa st., Los Angeles, Calif.
Saw Mill Products Co., lumber, 428 4th av., Pittsburgh, Pa.
Sawbridge, Jno., cornices & skylights, North Yakima, Wash.
Sawhill-Moreland Co., Pittsburgh, Pa.
Sawin, L. H., models & patterns, Gardner, Mass.
Sawtelle, M. P., contrs., Albuquerque, N. Mexico.
Sawyer & Sons, W. H., Americus, Ga.
Sawyer Belting Co., ft. Lisbon rd. S. E., Cleveland, O.
Sawyer Brass & Iron Fdy., Oswego, N. Y.
Sawyer, C. L., comealongs or wire pullers, Millers Falls, Mass.
Sawyer, C. M., lumber mfrs., Hardwick, Vt.
Sawyer Canning Co., Atkinson, N. H.
Sawyer Carriage Co., Lowell, Mass.
Sawyer, Chas. A., kerosene oil burners, San Jose, Calif.
Sawyer, E. C., carriages, Beverly, Mass.
Sawyer, Edw. G., Co., mill engrs., 12 Providence ct., Boston, Mass.
Sawyer Gear & Mfg. Co., 5122 St. Clair St., Cleveland, Ohio.
Sawyer-Goodman Co., Marinette, Wis.
Sawyer, H. M., & Sons, oiled cloth, Cambridge, Mass.
Sawyer, Howard B., Oil Co., metal polish, 62 Long wharf, Boston, Mass.
Sawyer, J. E., & Co., whol. hdwe., Glens Falls, N. Y.
Sawyer Key Tag Co., 1477 Norstand Ave., Brooklyn, N. Y.
Sawyer, Otis C., lbr., Sharon, Vt.
Sawyer, Philip, archt., 100 E. 42d, New York.
Sawyer Tool Mfg. Co., gauges, rules, squares, etc., Ashburnham, Mass.
Sawyer, W. F. & J. T., contrs. & sash, door & blind mfrs., Norfolk, Va.
Sawyer-Weber Tool Mfg. Co., 350 S. Alameda St., Los Angeles, Calif.
Sax, Alfred R., Lumber Co., Att. Nat'l Bk. bldg., Jacksonville, Fla.
Sax, Alfred R., Lumber Co., 18 Broadway, N. Y.
Saxer, Creider, Machy. Co., dlrs., Erie, Pa.
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Saxer Paper Mills, Syracuse, N. Y.
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Saxon Motor Car Corp., 917 Beaufait St., Detroit, Mich.
Saxony Knitting Co., gloves & mittens, Seattle, Wash.
Saxony Knitting Mills, knitted gloves, Needham Heights, Mass.
Saxony Mills, flour, 321 Lombard, St. Louis, Mo.
Saxton Hdwe. Co., Inc., 1031 Canal, New Orleans, La.
Saxton Heating Co., 405 6th av. S., Minneapolis, Minn.
Saxton Woolen Co., woolen carriage cloth, Norwich, Conn.
Sayers & Scoville Co., Gest & Summer, Cincinnati, O.
Sayles & Sons, A. L. (Woolens, Worsteds, etc.), Pascoag, R. I.
Sayers, Iven H., canned goods, Westminster, Md.
Sayford Paper Specialty Co., dishes, etc., 200 5th av., New York.
Sayle, Thos., Jr., granite producers, New London, Conn.
Sayles, Wm., & Sons, contrs., 264 Hudson av., Albany, N. Y.
Saylor Electric & Mfg. Co., Wheeling, W. Va.
Sayman, T. M., Products Co., soap, 2111 Franklin av., St. Louis, Mo.
Sayre & Co., L. A. 330-340 Mulberry St., Newark, N. J.
Sayre & Co., L. A., Newark, N. J.
Sayre & Fisher, Sayreville, N. J.
Sayre Metal Co., aluminum leaf, Sayre, Pa.
Sayre, W. R., Lumber Co., Inc., First Nat'l Bank bldg., San Francisco, Calif.
Sayre Stamping Co., Sayre, Pa.
Scaar, Frank, & Co., archl. iron, 1042 W. 11th, Chicago, Ill.
Scagliola Mfg. Co., marble, 255 Lexington av., New York.

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Scandinavia Belting Co., 106-108 Reade St., New York.
Scandinavian American Trading Co., (Wood Pulp) 50 E. 42nd St., New York.
Scanlon-Morris Co., hospital furniture, Madison, Wis.
Scannell Boiler Wks., Lowell, Mass.
Scappoose Lbr. Co., Scappoose, Ore.
Scarborough-Davies Co., contractors, Old St. bldg., Evansville, Ind.
Scarborough Motor Guide Co., maps, 225 N. New Jersey, Indianapolis, Ind.
Scattergood, H. W., Co., ink wells, glue pots, etc., 1722H W. Venango, Philadelphia, Pa.
Schaad, Ben D., machy. Co., Little Rock, Ark.
Schaad, Paul, plbrs.' & steamfitters' supplies, etc., 179 Pearl, New York.
Schaaf & Schnaus Mfg. Co., sash, door & blind, Jasper, Ind.
Schaaf, Adam, organs, 321 S. Wabash av., Chicago, Ill.
Schaaf Co., contrs., Miller av. & West Shore R. R., Buffalo, N. Y.
Schaaf-Regelman, E. (Crude Asbestos), 220 Broadway, New York.
Schaap Co., piston rings, 344 Cumberland, Brooklyn, N. Y.
Schaar & Co. (Laboratory Supplies), 556-8-60 W. Jackson Blvd., Chicago.
Schacht, B., & Sons, archl. iron, 446 Timpson pl., New York.
Schacht Motor Truck Co., G. A., 8th & Evans, Cincinnati, O.
Schacht Rubber Mfg. Co., Huntington, Ind.
Schad, Alva, machst., Carlock, Ill.
Schad, Chas., ladders & scaffold bldrs., 11 Jefferson, Brooklyn, N. Y.
Schad, Fred, & Son Iron Wks., 1117 S. Crawford av., Chicago, Ill.
Schade Valve Mfg. Co., 2527 N. Bodine St., Philadelphia, Pa.
Schadel, J., & Co., scrap iron, Springfield, Ohio.
Schadewald Mills, hair cloth mfrs., 3d & Huntington, Philadelphia, Pa.
Schadt, Wm., sashes, doors & blinds, Galveston, Tex.
Schaedel & Bro. Co., contractors, 118 Bruce, Newark, N. J.
Schaefer Brass Mfg. Co., shade holders, 815 Clark av., St. Louis, Mo.
Schaefer Bros. Co., rheostats, switchboards, 1059 W. 11th, Chicago, Ill.
Schaefer Copper Works, Inc., evaporators, kettles, etc., 523 N. 22d, Portland, Ore.
Schaefer, Cuthbert, First National Bank Bldg., Chicago.
Schaefer, Edw., stone producer, Toccoa, Ga.
Schaefer, Emil, fndrs., 1322 N. 5th, Philadelphia, Pa.

SCHAEFER EQUIPMENT COMPANY, Oliver Bldg., Pittsburgh, Pa.
Schaefer, Geo., cornices & skylights, 344 Jefferson, Memphis, Tenn.
Schaefer, Gustav, Wagon Co., carriages, 4180 Lorain av., Cleveland, Ohio.
Schaefer, Joseph, mattresses, 2320 New Haven, Ft. Wayne, Ind.
Schaefer, Louis, achl. wood turning, etc., 4507 Fillmore st., Chicago, Ill.
Schaefer, McLaughlin Co., brushes, 395 Reed, Milwaukee, Wis.
Schaefer Mfg. Co., foot of Pearl St., Berlin, Wis.
Schaefer Plumbing Supply Co., 146H Clinton, Buffalo, N. Y.
Schaefer Rubber Co., mill & factory supplies, 1217 Griswold, Detroit, Mich.
Schaefer Tent & Awning Co., 1421 Larimer St., Denver, Colo.
Schaefer Wagon Co., The Gustav, 4166-4180 Lorain Ave., Cleveland, O.
Schaeffer & Budenberg Mfg. Co., see Am. Schaeffer & Budenberg Co. (successors).
Schaeffer & Schwartzkopf, flour, Columbus, Ind.
Schaeffer Bros. & Powell Mfg. Co., Barton & Kosciusko Sts., St. Louis, Mo.
Schaeffer, F. A., leather, 55-65 Bergen, Newark, N. J.
Schaeffer, Geo. H. T., & Co., contractors, Atchison, Kans.
Schaeffer, J. M., blankets, flannels, woolen, Sandy Lake, Pa.
Schaeffer Mach. Wks., 35th & Gray's Ferry rd., Philadelphia, Pa.
Schaeffer Piano Mfg. Co., 218 S. Wabash av., Chicago, Ill.
Schaeffer, R. F., slate stair treads & risers, Bangor, Pa.
Schaettler, F., interior hardwood wk., 533 W. 34th, New York.
Schafer, E. G., & Co., steam fitters' & plumbers' supplies—jobbers, 218 13th N. W., Washington, D. C.
Schafer, Estate of S. H., San Antonio, Tex.
Schafer, F., & Son, machsts., 1005 S. Lafayette, South Bend, Ind.
Schafer, Jos., willow ware mfrs., Liverpool, N. Y.
Schafer, Louis N., lbr., Argos, Ind.
Schaff Bros. Co., pianos, Huntington, Ind.
Schaff Piano String Co., 2011 Clybourn av., Chicago, Ill.
Schaffer Co., Chas. W., 3214 Chestnut St., Philadelphia, Pa.
Schaffer, G. W., brick, Spencerville, Ohio.
Schaffer, J. C., handles (wood), Delphos, Ohio.
Schaffer, John P., htg. contrs., 108 Wood, Pittsburgh, Pa.

SCHAFFER POIDOMETER CO. (formerly Schaffer Engrg. & Equip. Co.), 2823 Smallman St., Pittsburgh, Pa.
Schaffer Tinware Mfg. Co., wash boilers, 76 Sedgwick, Brooklyn, N. Y.
Schaffner Bros. Co., meat packers, Erie, Pa.
Schaffner, Geo., stone producer, Butler, Pa.
Schairer, Geo. E., hay racks, Saline, Mich.
Schal, Jno. D., & Co., machsts., Chambersburg, Pa.
Schalk Chemical Co., boiler compounds & soap powder, 351 E. 2d, Los Angeles, Calif.
Schalker Packing Co., meat, Leavenworth, Kans.
Schall, A., Omaha, Nebr.
Schall Packing Co., Atlantic Wharf, Baltimore, Md.
Schaller & Goebel, carriages, Mendota, Ill.
Schaller Bros., elec. contrs., Torrington, Conn.
Schaller-McKey Lumber Co., Janesville, Wis.
Schanen, N. A., Marble Wks., Macadam & Dakota, Portland, Ore.
Schantz & Eckert, machsts. & fndrs., Perth Amboy, N. J.
Schantz, A. J., Sons & Co., organs, Orville, Ohio.
Schaper & Koch, meat packers, Fort Madison, Ia.
Schaper Construction Material Co., 90 West St., New York.
Schapirograph Co., 43 Wooster St., New York.
Scharf Smoke Prevention Co., Ypsilanti, Mich.
Scharf Tag & Label Co., Ypsilanti, Mich.
Scharff-Koken Mfg. Co., fibre shipping cases, 7900 Michigan, St. Louis, Mo.
Scharmer Constr. Co., 139 N. Clark, Chicago, Ill.
Schartow Mfg. Co., see Midland Co. (successor).
Schatz Mfg. Co., Poughkeepsie, N. Y.
Schartzer, G. H., Co., contractors, 1832 Ludlow, Dayton, Ohio.
Schatt & Morgan Cutlery Co., Titusville, Pa.
Schatzman, P., & Son, cornices & skylights, Glendale, Ohio.
Schaum & Uhlinger, Inc. (Textile Mach'y), 2nd and Glenwood, Philadelphia, Pa.
Schaum, John G., htg. contrs., Lancaster, Pa.
Schaw-Batcher Co., whol. hdwe., Box 596, Sacramento, Calif.
Schawe, G. C., cornices & skylights, Lexington, Mo.
Schawel, & Co., J., 26 John St., New York.
Schecher, John L., wall beds, 116 W. 32d, Los Angeles, Calif.
Scheffel & Son, stone, Grand Island, Neb.
Scheffer & Bossum Co., 104 E. 10th St., St. Paul, Minn.
Scheele, Hy., Jr., stone prod., Sheboygan, Wis.
Scheeline Mfg. Co., elec. heaters, radiators, etc., 76H Tehama, San Francisco, Calif.
Scheib Elec. Radio Co., V. T. sockets, 6243 Station, Pittsburgh, Pa.
Scheible-Moncrief Heater Co., 2548 E. 79th, Cleveland, Ohio.
Scheid, Jos., Sons Co., furn., 1908 Dunlap, Cincinnati, Ohio.
Scheidenhelm, Edw. L., Co., contrs., 111 W. Monroe, Chicago, Ill.
Scheidig & Co., Jno., 60 Nassau St., New York.
Scheidler Machine Works Co., Newark, O.
Scheier, D. L., Furn. Co., 2206H Superior av., Cleveland, Ohio.
Scheinman & Co., I. L., 38 Sherman St., Detroit, Mich.
Scheipering, Gustav, cornices, Quincy, Ill.
Scheiter, Jos. J., & Co., hair cloth mfrs., 3d & Huntington, Philadelphia, Pa.
Schelein Machinery Co., F. P., 114-16 West Park Way, N. S., Pittsburgh, Pa.
Schelhase, J. H., carriages, 312 Rex av. N. E., Canton, Ohio.
Schell & Kroner, cornices, Quincy, Ill.
Schell, C. A., Provision Co., 504 Locust, Akron, Ohio.
Schell, J. A., cornices & skylights, Miamisburg, Ohio.
Schell, P. A., & Co., mill & facty. supplies, Somerset, Pa.
Schellenbach-Hunt Tool Co., 120 Opera, Cincinnati, O.
Schelling Hardware Co., 734 Willow St., Hoboken, N. J.
Schellings, C. J., & Co., glycerine, 175 Pearl, New York.
Schelly, C. Y., & Bro., hdwe.—whol., 32 N. 7th, Allentown, Pa.
Schemmel, Geo. C., welding apparatus, Wapakoneta, O.
Schenck & Sons Co., F., Wheeling, W. Va.
Schenck Bros., carriages, Great Neck, N. Y.
Schenck Co., M. B., Meriden, Conn.
Schenck, Geo., & Co., contractors, Butler, Pa.
Schenck Mfg. & Supply Co., machsts., Parker's Landing, Pa.
Schencke Piano Co., 432 Austin pl., New York.
Schenectady Linonite Co., Schenectady, N. Y.
Schenectady Varnish Co., Schenectady, N. Y.
Schenectady Tile Co., flooring, Schenectady, N. Y.
Scheninger, J. A., & Bro., corn brooms, Syracuse, N. Y.
Schenk, E. B., Hdwe. Co., cornices & skylights, Mount Vernon, Ind.
Schenk, F., & Sons Co., meat packers, 1130 Market, Wheeling, W. Va.
Schenkler, Philip, halters & horse haid, 2060 Bergen, Brooklyn, N. Y.
Schenkler, Philip, 925 E. 14th, Brooklyn, N. Y.
Scheppele, Chas. A., gasoline marine engines, Dubuque, Iowa.
Scherbner, Paul, Iron Wks., 306 E. 123d, New York.
Scherer & Co., H., 282 E. Jefferson Ave., Detroit, Mich.
Scherer & Mountain, contrs., Ironton, Ohio.
Scherer, H., & Co., carriage fasteners, bow separators, sockets, etc., 440 E. Jefferson av., Detroit, Mich.
Scherer Mach. Co., Danville, Ill.
Scherer, Oscar, & Bro., Inc., leather, 29 Spruce, New York.
Scherer, Wm. C., & Co., sash, door & blind mfrs., 810 W. Baltimore, Baltimore, Md.
Scherer, Wm., Mfg. Co., metal patterns, 1384 E. 40th, Cleveland, Ohio.
Schering & Glatz, 150 Maiden Lane, New York.
Schermer Bros., brass fndrs., Dept. H, Muscatine, Ia.
Schermerhorn Bros. Co., twine & cordage, 5 N. La Salle, Chicago, Ill.
Schermerhorn, L. C., DeKalb, Ill.
Schermerhorn, Richard, Jr., landscape architect, 363 Lexington av., N. Y.
Schermuly Mfg. Co., machsts. & fndrs., Wichita, Kans.
Scherpe, B., & Sons, pianos, 2102 Clybourn av., Chicago, Ill.
Scherzer Rolling Lift Bridge Co., Monadnock blk., Chicago, Ill.
Scheve, J. L., Lbr. Co., Hall & St. Louis av., St. Louis, Mo.
Schick-Johnson Co., bank fixtures, 1737 N. Paulina, Chicago, Ill.
Schick, Wm., & Son, 2917 S. 48th av., Cicero, Ill.
Schick, Wm., Mfg. Co., mattresses, Topeka, Kans.
Schickel Motor Co., Stamford, Conn.
Schiebe, E. F., sewing trays, Cldow av., Somerville, Mass.
Schieble Toy & Nov. Co., Dayton, Ohio.
Schiefer & Sons, store fixtures & bedroom furn., 8th & J, San Diego, Calif.
Schieffelin & Co., camphor, carbolic acid, 170 William, New York.
Schield Mfg. Co., Wm., 619 N. 2nd St., St. Louis, Mo.
Schielke & Blommer, carriages, 327 5th, Milwaukee, Wis.
Schieren, C., & Co., 157 N. 4th, Philadelphia, Pa.
Schieren Co., Chas. A., 30 Ferry St., New York.
Schietinger & Ladwig, cornices, 43 Berk, Bridgeport, Conn.
Schiffenhaus Bros., 4th & Dickerson St., Newark, N. J.
Schifferle, Fredolin, water htrs., 1206 S. Broadway, St. Louis, Mo.
Schiffers, Peter, & Sons, machsts. & fdrs., San Antonio, Tex.
Schild Specialty Co., ball cocks, 111 High av., Cleveland, Ohio.
Schildwachter Autobody Co., Inc., 2434 Grand, New York.
Schill Bros. Co., Crestline, O.
Schill, Fredk., & Co., sash, door & blind mfrs., 734 Springfield av., Newark, & Irvington, N. J.
Schiller & Co., Wm., 6 S. Broadway, St. Louis, Mo.
Schiller Co., John (Tin) 2 Stanton St., New York.
Schiller, Jos F., 316 S. Lawrence, Philadelphia, Pa.
Schiller, Nolan & Co., blow-off valves, Darien & Wood, Philadelphia, Pa.
Schiller Piano Co., Oregon, Ill.
Schilling, Adam, & Sons, engines, 211 Main, San Francisco, Calif.
Schilling, Chas., sword scabbards, 938 Diamond, Philadelphia, Pa.
Schilling, Frederick, oils & boiler compounds, 617 Greenwich, New York.
Schilling, John N., cornices, 479 N. 20th, Columbus, O.
Schillinger, A. J. & J. G., tubular boilers, Moline, Ill.
Schillinger Bros. Co., Toledo, O.
Schillinger Construction Co., 2319 N. Seeley Ave., Chicago.
Schimmel & Co., pianos, Faribault, Minn.
Schimmel, Reed & Co., Faribault, Minn.

Schimmell Electric Supply Co., 318 Market St., Philadelphia, Pa.
Schimper, Wm., & Co., silver novelties, etc., 332-338 Ferry, Hoboken, N. J., & 33 Union sq. W., New York.
Schimplefenig, Chas., cornices, Lafayette, Ind.
Schindel, Rohrer & Co., Inc., Hagerstown, Md.
Schindler, A. J., Co., machsts., 1314 W. 21st, Chicago, Ill.
Schindler, Chas., advertising novelties, Toledo, Ohio.
Schinnerer, Geo., cooperage stock, Columbus, Ind.
Schinzel, Geo. P., & Son, Inc., shipping cases, 528 W. 27th, New York.
Schirm, F., Contracting Co., 4336 College av., St. Louis, Mo.
Schirm, J. S., Commercial Co., masons' & bldrs.' matls., San Diego, Calif.
Schirmer, Bugbee & Co., archts., 577 14th, Oakland, Calif.
Schirmer Co., The, 750 Prospect Ave., Cleveland, O.
Schirmer Furn. Co., Dept. H, 1911 Elm av., Cincinnati, Ohio.
Schlachter's, Jacob, Sons, meat packers, 2839 Colerain av., Cincinnati, Ohio.
Schlafer Hardware Co., Appleton, Wis.
Schlage Co., door locks, American Bank bldg., San Francisco, Calif.
Schlangen Bros. Co., 2435-41 Irving Park Blvd., Chicago.
Schlater, R. H., cornices & skylights, Des Moines, Ia.
Schlatter, C. C., & Co., mill & facty. supplies—whol. hdwe., Columbia & Clinton, Fort Wayne, Ind.
Schlechter, Edw. H., badges & buttons, 540 Hamilton, Allentown, Pa.
Schlegel & Roehm, contrs., 606 Lombard, Indianapolis, Ind.
Schlegel, Dan'l, machst., Boyertown, Pa.
Schlegel Mfg. Co., silk fringes & trimmings, Rochester, N. Y.

SCHLEGEL MFG. CO., silk fringes & trimmings, 277 N. Goodman St., Rochester, N. Y.

Schleicher Motor Vehicle Co., 37 W. 14th St., New York.
Schlichter Co., E. F. (Tanks), 10 S. 18th St., Philadelphia, Pa.
Schlichter Jute Cordage Co., 20 N. Front St., Philadelphia, Pa.
Schleicher Motor Vehicle Co., 105 E. 14th, New York.
Schleit, W. A., Mfg. Co., Inc., garage heaters, Syracuse, N. Y.
Schlelein, F. P., Machy. Co., 32 W. Parkway N. S., Pittsburgh, Pa.
Schlemmer, Oliver, Co., heating contr., 8442 Curzon st., Cincinnati, Ohio.
Schlesinger, Leo, & Co., advtg. nov.; tinware mfrs., etc., 537 Greenwich, New York.
Schletter & Co., Inc., C. C., Fort Wayne, Ind.

SCHLICHTER CO., E. E., 10 S. 18th, Philadelphia, Pa.

Schlichter, P. M., & W., marble, 636 1st av., New York.
Schlieder Mfg. Co., Inc., 2838 East Grand Blvd., Detroit, Mich.
Schlitz, Philip, machst., Wauseon, Ohio.
Schloezer-Ash Mfg. Co., 146 Mohican St., Buffalo, N. Y.
Schlom, Meyer J., cornices & skylights, Houston, Tex.
Schlorer & Son, meat packers, Camden, N. J.
Schloss, E. (Est.), Baton Rouge, La.
Schloss, Jos. W., Co., crochet buttons, 11 E. 26th, New York.
Schlosser, Frank, stone producer, Covington, Ky.
Schlosser, H. C., drainboards & flooring, San Jose, Calif.
Schlosser, Jacob, & Son, cornices, Hamilton, Ohio.
Schlosser Mfg. Co., machsts., 151 E. 126th, New York.
Schlossman, M., & Son, plbrs.' supplies, 545 3d av., New York.
Schluckebier Hardware Co., Petaluma, Calif.
Schlueter, M. L., 225 W. Illinois St., Chicago.
Schlueter Mfg. Co., 4626 N. Broadway, St. Louis, Mo.
Schlueter, Stephen, machst., Napoleon, Ind.
Schlutt & Archut, contractors, St. Joseph, Mich.
Schmadel Packing & Ice Co., meat packers, Fulton av., Evansville, Ind.
Schmahl, Jacob, Co., tin plate, etc., 28 Lloyd, Buffalo, N. Y.
Schmalz, C. F., buttons, Muscatine, Ia.
Schmatolia, Ernst, combustion & metallurgical engrs., 150 Nassau, New York.
Schmauss Co., meat packers, Rockford, Ill.
Schmedlen, W. H., carriages, Coldwater, Mich.
Schmeers Paper Box Co., sample cases, paste, Syracuse, N. Y.
Schmeiser Mfg. Co., agricultural implements, Davis, Calif.
Schmeling & Alter, steel stacks, 520 W. Superior, Fort Wayne, Ind.
Schmelzer, John, furniture, Dept. H, Saginaw, Mich.
Schmicki, F., W. H. Slattery, Inc., 873 Broadway, New York.
Schmid & Parker Packing Co., meat, Sacramento, Calif.
Schmid & Son, John M., 813 Westminster St., Providence, R. I.
Schmid Bros., machsts. & fndrs., Lancaster, Pa.
Schmid, E., Co., surgical instruments, 3143 College, Indianapolis, Ind.
Schmid, John, bank fixtures, 58 Oak, San Francisco, Calif.
Schmid, Leopold, surgical instruments, 1241 Buttonwood, Philadelphia, Pa.
Schmid Mfg. Co., hdwe. mfrs., Dubuque, Iowa.
Schmidt & Ault Paper Co., York, Pa.
Schmidt & Co., Carl, John & Livingston Sts. Cincinnati, O.
Schmidt & Co., Geo. A., 236 North Ave., Chicago.
Schmidt & Stork Wagon Co., wagon spokes, West Bend, Wis.
Schmidt, A. R., Electric Co., switchboards, 262 E. Water, Milwaukee, Wis.
Schmidt, Arthur F., cornices, 2012 Cedar, Milwaukee Wis.
Schmidt, B. L., Co., see Micro Machine Co. (successor).
Schmidt-Backman Co., paper boxes, Sacramento, Calif.
Schmidt Bros. & Co., flour mills, Elkader, Ia.
Schmidt Bros. Constr. Co., 22 E. Huron, Chicago, Ill.
Schmidt Bros., contrs., Superior, Wis.
Schmidt Bros., lbr., Plummer, Ida.
Schmidt Bros., machsts., 909 Faile, New York.
Schmidt Building Co., 966 30th, Milwaukee, Wis.
Schmidt, C., Co., butchers' machy. & supplies, Livingston and John, Cincinnati, Ohio.
Schmidt, C. P., Shukert Bldg., Kansas City, Mo.
Schmidt, Carl E., & Co., leather, 454 Macomb, Detroit, Mich.
Schmidt Co., Chas. D., Broadway, Cor. Canal St., New York.
Schmidt Construction Co., 133 W. Washington, Chicago, Ill.
Schmidt Cut Stone Co., 1817 S. Main, South Bend, Ind.
Schmidt, D. H., Carriage & Wagon Co., St. Joseph, Mo.
Schmidt-Dauber Co., pianos, 406 W. 14th, New York.
Schmidt, David H., Co., piano key hammers, Poughkeepsie, N. Y.
Schmidt, Edw. L., machsts. & brass fndrs., Amsterdam, N. Y.
Schmidt, F. W., crushed stone & trap rock, Morristown, N. J.
Schmidt, G. L., cottonseed meal, Lincoln, Ala.
Schmidt, Geo., cornices & skylights, Oldenburg, Ind.
Schmidt, Geo., windmills, East Williston, N. Y.
Schmidt, Geo. P., Co., cornices & skylights, 1020 E. Ohio, Pittsburgh, Pa.
Schmidt, Geo. T. (Engrv.) 4100 Ravenswood, Chicago.
Schmidt, H., & Co., cornices, 451 S. Clark, Chicago, Ill.
Schmidt, H. E., & Co., reeds, 116 Front, New Bedford, Mass.
Schmidt, J. C., fndrs., Passaic, N. J.
Schmidt, J. G., Iron Wks., Inc., Passaic, N. J.
Schmidt, John, willowware mfrs., Cincinnati, Ohio.
Schmidt, John G., Passaic, N. J.
Schmidt, Jos., machst. & fndr., Moline, Ill.
Schmidt Lithograph Co., 2d and Bryant, San Francisco, Calif.
Schmidt Litho. Co., Theo. A., 1050 Fullerton Ave., Chicago.
Schmidt, Matthew, stone producer, Grand Rapids, Mich.
Schmidt, Oscar, musical instruments, 87 Ferry, Jersey City, N. J.
Schmidt, P., & Co., stone, 33d and Harrison, Milwaukee, Wis.
Schmidt, Phil, contrs., Cissna Park, Ill.
Schmidt, Rudolph & Co., 51 Main E., Rochester, N. Y.
Schmidt, W. J. & E., contrs., Berkeley, Calif.
Schmidt, Walter K., Co., wood stains, Grand Rapids, Mich.
Schmidt, Wm. F., & Co., machsts., 3149 Texas, St. Louis, Mo.
Schmidtman's, Theo., Sons Co., pads & tablets, Manitowoco, Wis.
Schmidtt, H., & Son, bldg. contrs., 430 Farwell, Milwaukee, Wis.
Schminke, H., Co., cornices, 221 Line, Evansville, Ind.
Schmitt Trunk & Bag Co., 140 North Park Ave., Oshkosh, Wis.
Schmitt & Co., contrs., Wilkes-Barre, Pa.
Schmitt & Co., Frank, 181 E. 8th St., Portland, Ore.
Schmitt & Henry Mfg. Co., bed springs & mattresses, Des Moines, Ia.
Schmitt, Anthony F. A., architect, 281 E. 201st, New York.
Schmitt Bros., lbr., Gazelle, Calif.
Schmitt, Edw. F., cornices, 521 Ludlow, Philadelphia, Pa.
Schmitt, Geo. P., gas radiators, 624 Franklin, Oakland, Calif.
Schmitt, John A., Sons, contrs., Wilkes-Barre, Pa.
Schmitten, F. W., & Co., lumber, Cashmere, Wash.
Schmitz, Jos., mattresses, Lancaster, Pa.
Schmitz, Moore & Co., silver nov., 407 Mulberry, Newark, N. J.
Schmoll, Fils & Co., 326 W. Lake St., Chicago.
Schmoller & Mueller Piano Co., Omaha, Neb.
Schmook, H. B., mach. & fdr., Springfield, Mo.
Schmukler & Son, S., 2234 N. 28th St., Philadelphia, Pa.
Schmutz Mfg. Co., Inc., 1204 W. Main St., Louisville, Ky.
Schnaible, M. & J., Co., soap, Lafayette, Ind.
Schnaufer Roofing Co., cornices & skylights, 816 Concord, Pittsburgh, Pa.
Schnebelin, Fred, mchst. & fndr., Mascoutah, Ill.
Schnebly & Hostraswer, contrs., 6th & Jackson sts., Oakland, Calif.
Schnee & Schnee, contrs., 1115 Main, Bridgeport, Conn.
Schnefel Bros., cutlery mfrs., ink erasers, etc., 684 S. 17th, Newark, N. J.
Schneible, C. A., ale & beer pumps, 132 E. 121st, New York.
Schneider & Brown Lumber Co., Marquette, Mich.
Schneider, A., Engng. Works, machsts., 1414 15th, San Francisco, Calif.
Schneider, A. H., brick, Nicholsville, Ky.
Schneider, A. L., Co., toys, games & novelties, New Haven, Conn.
Schneider-Bowman Co., gray iron castings, Vandike and Frankford, Philadelphia, Pa.
Schneider Bros., brick, Pearl River, La.
Schneider Bros., contrs. & brick, 7826 Richmond, Detroit, Mich.
Schneider Bros., sample cases, 32 W. Pearl, Cincinnati, Ohio.
Schneider, Chas., Co., htg. contrs., 492 E. 163d, New York.
Schneider, Chas. W., & Sons, contrs., Penn. R. R. south of Fair Grounds, Columbus, Ohio.
Schneider, Emil, soldering flux, paste, salts & sticks, 298 South, Newark, N. J.
Schneider, F. H., lbr., Wausau, Wis.
Schneider, F. H., stucco work, 631 W. Belden av., Syracuse, N. Y.
Schneider Hardware Co., Erie, Pa.
Schneider, J. S., telephone mouthpieces, door openers, etc., Ridgefield, Conn.
Schneider, John A., & Co., carriages, 3717 Colerain av., Cincinnati, Ohio.
Schneider, Louis stencils, monograms, 249 Market, Newark, N. J.
Schneider Mfg. Co., Inc., 146 Clarkson Ave., Brooklyn, N. Y.
Schneider, Martin, furniture, Dept. H., Stockton, Calif.
Schneider, Peter F., clothes washing machines, 21 E. Grand River, Detroit, Mich.
Schneider, Walter S., 505 5th va., New York.
Schneider's Sons, C., 1207 F. St., Washington, D. C
Schneder's Sons Co., Inc., Peter, 20 E. 20th St., New York.
Schneidt, Aug., curled hair mattresses, Muskegon, Mich.
Schnell & Son, common brick, La Crosse, Wis.
Schnell Bronze Bearing Co., Inc., 145 Chandler, Buffalo, N. Y.
Schner Block Co., buttons, Muscatine, Ia.
Schnerr, J. J., Co., 799 Golden Gate av., San Francisco, Calif.
Schnetzler & Son, contrs., Fairbury, Ill.
Schnitker & Sons Co., wood handles, New Haven, Ind.
Schnitzler, Chas. H., cornices, 204 Culbert, Philadelphia, Pa.
Schnorr Bros. Co., pack. box mfrs., Manitowoc, Wis.
Schnuerer & Murray, advtg. nov., 15 E. 32d, New York.
Schnur, Peter, Printing Co., envelopes, Joplin, Mo.
Schnute-Holman Co., mfrs. & erectors interior hardwood work, Evansville, Ind.
Schoch, Christ, Lbr. Co., sash, door & blind mfrs., Manitowoc, Wis.
Schock Parlor Frame Co., picture frame mouldings, Minneapolis, Minn.

SCHODER & LOMBARD DIE CO., 202 Centre St., New York.

Schoedinger, F. O., 322-358 Mt. Vernon Ave., Columbus, O.
Schoedinger, F. O., sheet metal products, etc., 346 Mt. Vernon av., Columbus, Ohio.
Schoelkopf & Co., harness & horse collars, Dallas, Tex.
Schoellhorn-Albrecht Machine Co., 416 N. Main St., St. Louis, Mo.
Schoelkopf & Co., Inc., (Tanners), 100 Perry St., Buffalo, N. Y.
Schoen & Walter Co., 762 Eleventh St., Milwaukee, Wis.
Schoen, Eugene, Forrest Hills, Brooklyn, N. Y.
Schoen-Jackson Co., carbureters, Media, Pa.
Schoenborn, A. J., automobile trunks, Greenleaf, Kan.
Schoeneman Bros. Co., lumber mfrs., Hawarden, Ia.
Schoenemann, Fred, cornices, Rochester, N. Y.
Schoenert, Carl, & Sons, jigs & fixtures, 633 So. 20th, Newark, N. J.
Schoenfeldt, Wm., machsts., 787 3d av., New York.
Schoenhut, A., Co., pianos & swords, Sepviva and E. Haget, Philadelphia, Pa.
Schoening-Koenigsmark Milling Co., flour mills, Prairie Du Rocher, Ill.
Schoenlein, L., & Son, contrs., 2208 Boyer, Baltimore, Md.
Schoenstein, Felix F., & Sons, pipe organs, 2306 Bryant, San Francisco, Calif.
Schoepfle Mfg. & Lbr. Co., Sandusky, Ohio.
Schoepflin, L. G., automobiles, 325 Ellicott, Buffalo, N. Y.
Schofield & Co., telephone brackets, 30 Beekman, New York.
Schofield & Co., Freeport, Ill.
Schofield Bros., lbr., Finance Bldg., Philadelphia, Pa.
Schofield-Burkett Constr. Co., Macon, Ga.
Schofield-Burkett Construction Co., Macon, Ga.
Schofield Co., Wm., Krams at Wilde, Philadelphia, Pa.
Schofield Engrg. Constr. Co., Pacific Finance Bldg., Los Angeles, Calif.
Schofield, Fred, see Everett Iron Works (successor).
Schofield, Geo. L., cotton mchy., 123 N. Front, Philadelphia, Pa.
Schofield, J., & Son, woolen blankets, Madison, Ind.
Schofield Lance Co., lbr., Reading, Pa.
Schofield, Mason & Co., Fairhill and Cumberland Sts., Philadelphia, Pa.
Schofield Sons Co., J. S., Macon, Ga.
Schofield's, Wm., Co., machsts. & fndrs., Krams av., Wilde, Philadelphia, Pa.
Schofield's, J. S., Sons Co., mill & factory supplies, steel stacks & towers, etc., Hammond and Edgewood av., Macon, Ga.
Scholes Bros., cornices & skylights, 1241 Reedsdale, Pittsburgh, Pa.
Scholes Bros., 1250 Reedsdale St., Pittsburgh, Pa
Scholes, John, & Co., loom harness, etc., Lowell, Mass.
Scholl, Adam, machst. & fndr., 225 E. 138th, New York.
Scholl Bros., 23 6th St., Lansdale, Pa.
Scholl Co., The, Chattanooga, Tenn.
Scholl, E. H., Co., whol. hdwe., 24H N. 7th, Allentown, Pa.
Scholl, Julian, Co., 17 W. 60th, New York.
Scholl, M. F., sash, door & blind, West Newton, Pa.
Scholl, W. J., Co., steamfitters' supplies, Youngstown, Ohio.
Scholler Bros. Co., Inc., cotton softeners, Amber and Westmoreland, Philadelphia, Pa.
Scholler Mfg. Co., wrenches, 147 Leslie, Buffalo, N. Y
Schollhorn Co., Wm., 414 Chapel St., New Haven, Conn.
Scholton, D. G., marble producers, Gouverneur, N. Y.
Scholz, F. J., & Son, stone prod., 11 E. 3d, Evansville, Ind.
Scholze, H. A., Belt Ry. & Long St., Chattanooga, Tenn.
Scholze, Henry A., fertilizer mfr. & soap, Belt Ry. and Long, Chattanooga, Tenn.
Scholze, Robert, Main St., E. Chattanooga, Tenn.
Schomer, Henry, Co., bed springs, steel couches, cots, etc., 1814 S. Kilbourn av., Chicago, Ill.
Schommer, J. M., contr., 403 6th av., S. Minneapolis, Minn.
Schonthal Co., Joseph, Columbus, O.
Schoolhorn-Albrecht Mach. Co., 721 N. 2d, St. Louis, Mo.
Schoolhouse, J., Co., scrap iron, 293 Rider av., New York.
Schoonmaker Co., A. O., 30 University Place, New York.
Schopp Lithograph Co., Mutual Life Bldg., Buffalo, N. Y.
Schorsch & Co., 500 E. 133rd St., New York
Schott, J. B., Saddlery & Mfg. Co., Quincy, Ill.
Schott, Wm., Mach. Shop, Batesville, Ind.
Schottland, Benj., plate glass, 105 Wooster, New York.
Schouler Cement Construction Co., 154-156 Frelinghuysen Ave., Newark, N. J.
Schoverling, Daly & Gales, gun tubes & nipples, 302 Broadway, New York.
Schrack, C., & Co., paint mfrs., 152 N. 4th, Philadelphia, Pa.
Schrade Cutlery Co., Walden, N. Y.
Schrader Iron Wks., 1247 Harrison St., San Francisco, Cal.
Schrader, Whittick & Co., calcimines, fresco colors & wall finish, 1318 Clybourne av., Chicago, Ill.
Schrader's Sons, Inc., A., 470 Vanderbilt Ave., Brooklyn, N. Y.
Schram Glass Mfg. Co., bottles, Fed. Reserve Bk. Bldg., St. Louis, Mo.
Schramm & Son, Chris. D., West Chester, Pa.
Schramm, C. D., & Sons, Inc., 54 Dey, New York.
Schraner, A. P., E. 33rd & Payne Ave., Cleveland, O.
Schrauder & Co., meat packers, Monroe, Mich.
Schraven, J. T. & H. E., contrs., Salt Lake City, Utah.
Schreck & Waelty, cornices, 27 Hague, Jersey City, N. J.
Schreiber & Sons Co., L., Ivanhoe Ave. near Montgomery Rd., Cincinnati, O.
Schreiber Bros., cornices & skylights, Blue Island, Ill.
Schreiber Carriage Mfg. Co., Charlton, Ia.
Schreiber Lumber Co., Wm. C., 2220 Throop St., Chicago.
Schreitmueller Stone Co., 174 Waverly av., Newark, N. J.

SCHRENK & COMPANY, 1500 Hudson St., Hoboken, N. J.
New York—440 Lafayette St.

Schridde, Wm., box printing dies, 358 W. Madison, Chicago, Ill.
Schrier, Walter, machsts., Utica, N. Y.
Schrimpf, Chas. G., cornices & skylights, 608 N. Monroe, Spokane, Wash.
Schriver Co., O. P., 621 E. Pearl St., Cincinnati, O.
Schrock & Squires, 293 Pearl St., New York.
Schroder Mfg. Co., H. V., Minier, Ill.
Schroder Co., J. B., 1117 Vine St., Cincinnati, O.
Schroeder & Tremayne, 417 N. 4th St., St. Louis, Mo.
Schroeder Bros. Mfg. Co., Torrington, Conn.
Schroeder Co., C. H., 399 S. Erie St., Toledo, O.
Schroeder, A. J., boilers, Donaldsonville, Ia.
Schroeder Brick & Lime Co., Shakopee, Minn.
Schroeder Bros. Mfg. Co., jigs and fixtures, 111 Brook, Torrington, Conn.
Schroeder Bros., sash locks, 902 Payne av., St. Paul, Minn.
Schroeder, E. J., cornices, Americus, Ga.

Schroeder, Edw., Lamp Wks., machsts. & fndrs., 716 Jersey av., Jersey City, N. J.
Schroeder Flush Valve Co., 1300 N. Main st., Los Angeles, Calif.
Schroeder, H. D., carburetors & dies, 800 Date, Los Angeles, Calif.

SCHROEDER HEADLIGHT & GENERATOR CO., (now Sunbeam Electric Mfg. Co.), Evansville, Ind.

Schroeder, John, Lumber Co., Ft. Walnut, Milwaukee, Wis.
Schroeder Lamp Works, Edw., 716 Jersey Ave., Jersey City, N. J.
Schroeder Lumber Co., Jno., ft. of Walnut St., Milwaukee, Wis.
Schroeder Milling Co., see St. Joseph Milling Co. (successor).
Schroeder Paint & Glass Co., 12th & Antoinette Sts., Detroit, Mich.
Schroeder Paint Co., Lancaster, Pa.
Schroeder-Rutka Hdwe. Co., cornices, Howell, Mich.
Schroeder, S. E., Mfg. Co., clothes washing machines, Minier, Ill.
Schroeder, W. H. R., see Schroeder, E. J. (successor).
Schroeter Bros. Hardware Co., 810 Washington, St. Louis, Mo.
Schroider Bros., contrs., Stockton, Ill.
Schroon River Pulp & Paper Co., Warrensburg, N. Y.
Schroth & Ahrens Co., Winona, Minn.
Schroth, J. & F., Packing Co., meat, Cormany and Township av., C. W., Cincinnati, Ohio.
Schruth & Jackson, contrs., 633 Plymouth Bldg., Minneapolis, Minn.
Schryver Lumber Co., A. C., Louisville, Miss.
Schubert, August, Wagon Co., auto. metal bodies, Oneida, N. Y.
Schuberth & Co., A. F., 300-308 W. Ontario St., Chicago.
Schubert's, Jos. C., Sons, contractors, 364 S. 11th, Newark, N. J.
Schueler Bros., carriages, 464 Milwaukee, Milwaukee, Wis.
Schueler, T., & Co., brass fndrs., 48 19th av., Newark, N. J.
Schueler Ventilator Co., radiator shields, Bloomington, Ill.
Schuerenberg, F. W., agricultural implts., Brenham, Tex.
Schuessler Fdy. & Mach. Co., Alton, Ill.
Schuessler, Wm., trunk mfrs., 12 N. Market, Chicago, Ill.
Schuette & Co., Wm., Arrott Bldg., Pittsburgh, Pa.
Schuette Recording Compass Co., Manitowoc, Wis.
Schuetz, Fred F., patent attorney, 50 Church, New York.
Schug Elec. Mfg. Co., 252 E. Larned St., Detroit, Mich.
Schuh-Mason Lumber Co., Cairo, Ill.
Schukraft, Wm., & Sons, auto. wood bodies, 941 Fulton, Chicago, Ill.
Schuler Art Glass Co., 617 W. Jackson Blvd., Chicago, Ill.
Schuler, Chas., & Co., ash cans, 15 Stuyvesant, New York.
Schuler Cooperage Co., Jacksonville, Fla.
Schulman Bros., signs, cardboard, 564-572 W. Randolph, Chicago, Ill.
Schulte, G. B., Sons Co., whol. hdwe., 716 Main, Cincinnati, O.
Schulte, G. G., stone prod., Dubuque, Ia.
Schulte Soap Co., 357 21st St., Detroit, Mich.
Schultz & Company, H., 517-531 West Superior St., Chicago.
Schultz & Laning, cornices, Richmond, Ind.
Schultz & Hirsch Co., 1300-12 Fulton St., Chicago.
Schultz & Son, A. L., 1675 Elston Ave., Chicago.
Schultz, A. G., & Co., babbitt metal, 5 N. Green, Baltimore, Md.
Schultz, Baujan & Co., wheat flour, Beardstown, Ill.
Schultz Belting Co., 111 Chambers, New York.
Schultz Co., A. George, 417 Clybourn St., Milwaukee, Wis.
Schultz, D. D., cornices, 2047 W. 22d, Chicago, Ill.
Schultz, John A., 495 Broadway, Milwaukee, Wis.
Schultz, W. W. & A. J., ties, poles, posts, etc., Old Colony Bldg., Chicago, Ill.
Schultze & Emanuel, sash, door & blind, 614 3d, Pittsburgh, Pa.
Schultze, Geo. T., Lbr. Co., 302 Main, Evansville, Ind.
Schultze, Robertson & Schultze, Inc., ship bldrs., 1151 Evans av., San Francisco, Calif.
Schultze Stove & Hardware Co., San Antonio, Tex.
Schultz's, Michael, Sons, gold leaf, 152 E. Houston, New York.
Schulz, H. C., cornices, Kenosha, Wis.
Schulz, M., Co., pianos, 711 Milwaukee av., Chicago, Ill.
Schulze & Enamuel, lbr., Allegheny, Pa.
Schulze Hardware Co., cornices & skylights, Portage, Wis.
Schum Bros., nut locks, Metropolitan Tower, New York.
Schumacher, Anson B., fertilizer mfrs., Hazleton, Pa.
Schumacher Co., F. E., Hartville, O.
Schumacher, F. E., Co., screens, Hartville, Ohio.
Schumacher Stone Co., Pandora, Ohio.
Schumacher Wall Board Co., 5802 S. San Pedro, Los Angeles, Calif.
Schumaker-Rantry Company, 141 Milk St., Boston, Mass.
Schumann & Roden, cornices, 914 3d, Milwaukee, Wis.
Schumann Piano Co., Rockford, Ill.
Schunck & Ogg, massage vibrators, 115 4th av., New York.
Schupp, Wm., & Co., heating contractors, 616 S. 3d av., Minneapolis, Minn.
Schureman, J. L., Co., mchsts., 323 N. Michigan av., Chicago, Ill.
Schurk Iron Works, 20 S. Cardinal, St. Louis, Mo.
Schurmann, E., 3627 N. Delaware Ave., Indianapolis, Ind.
Schurs Oil Burner Co., 5330 Sante Fe, Los Angeles, Cal.
Schussler Bros., mirrors, picture frames & moldings, 326 Grove, San Francisco, Calif.
Schuster & Obert, Hawthorne, N. Y.
Schuster & Co., mattresses, 414 N. Howard, Baltimore, Md.
Schuster, Benj. J., whol. hdwe., Selma, Ala.

SCHUTTE & KOERTING CO., 1251 N. 12th, Philadelphia, Pa.

Schutte, Hy., Sons, sash, door & blind mfrs., Quincy, Ill.
Schutte, Wm. H., carriages, Mount Joy, Pa.
Schuttler Co., Peter, 2509 W. 22nd St., Chicago.
Schuttler, H. Carl, engineers, 731H Spitzer Bldg., Toledo, Ohio.
Schutz Bros., Inc., wood turning, 152 Chambers, New York.
Schutz-O'Neill Co., pulverizing & grinding machy., 620 Corn Exchange Bldg., Minneapolis, Minn.
Schutz, Schreiner & Clyde Co., contrs. (bldg. & gen.), May Bldg., Pittsburgh, Pa.
Schuyler & Co., J. R., Bloomsburg, Pa.
Schuyler Co., machsts., Berkeley, Calif.
Schuyler Mfg. Co., power hammers, 6434 Colby, Oakland, Calif.
Schuyler, W. S., gas stoves, Savannah, Mo.
Schuylkill Forge Co., 3rd & Luzerne Sts., Philadelphia, Pa.
Schuylkill Haven Rolling Mill, Schuylkill Haven, Pa.
Schuylkill Pressed Brick Co., Schuylkill Haven, Pa.
Schuykill Stone Co., Birdsboro, Pa.
Schwaab Stamp & Seal Co., 363 E. Water St., Milwaukee, Wis.
Schwab & Sons Co., R. J., 283 Clinton St., Milwaukee, Wis.
Schwab-Le Zotte Boiler Co., 16th & Canal, Milwaukee, Wis.
Schwab, Ph., Co., machsts., 16th & Canal, Milwaukee, Wis.
Schwab, R. J., & Sons Co., steam & hot water furnaces, 283 Clinton, Milwaukee, Wis.
Schwab Safe & Lock Co., Lafayette, Ind.
Schwabacker Hdwe Co., 1st S. & Jackson Sts., Seattle Wash.
Schwabe, F. J., & Son, patterns, 1129 Ohio, Ft. Wayne, Ind.
Schwager & Nettleton, Inc., see Nettleton Lbr. Co. (successor).
Schwalbe-Seyberth Mfg. Co., harness & horse collars, Eau Claire, Wis.
Schwalbe, Frank R., & Sons, contrs., La Crosse, Wis.
Schwamb, Theo., Co., piano cases, Arlington Heights, Mass.
Schwander Brass Mfg. Co., bibbs & cocks, 823 N. 8th, St. Louis, Mo.
Schwartz & Berstein, oiled clothing, Gloucester, Mass.
Schwartz & Stewart, mill & factory supplies, whol. hdwe., Natchez, Miss.
Schwartz, Abr., mattresses, 62 Bergen, Brooklyn, N. Y.
Schwartz Belting Co., 74-76 Murray St., New York.
Schwartz Bros. & Co., tubular boilers, Cheboygan, Mich.
Schwartz, C. E., furn., 231H S. Amer., Phila., Pa.
Schwartz, Charles L., sash, door & blind, Naperville, Ill.
Schwartz Co., Ltd., Jos., 729 St. Charles St., New Orleans, La.
Schwartz, Fred'k, meat packers, Rensselaer, N. Y.
Schwartz, G., & Co., contrs., Rochester, Minn.
Schwartz, Geo., & Co., meat packers, Albany, N. Y.
Schwartz, Herrmann, cold rolled steel, 121 Nassau, New York.
Schwartz, J., Co., Ltd., carriages, 548 Baronne, New Orleans, La.
Schwartz, L. H. A., & Co., tex. machy. (wool finishing machines), 40 Central, Boston, Mass.
Schwartz Mill Supply Co., Inc., Edward, New Orleans, La.
Schwartz Motor Truck Corp., 522-28 Chestnut St., Reading, Pa.
Schwartz Picture Frame Co., 2110-24 Walnut St., Chicago.
Schwartz Sectional System, filing cabinets, Indianapolis, Ind.
Schwartz' Sons, M., Bangor, Me.
Schwartzkopf's, J. G., Sons, mill & facty. supplies, whol. hdwe., Columbus, Ind.
Schwarz Bros. Co., tallow, Kearny, N. J.
Schwarz Foundry Co., Fort W. & Vermont, Detroit, Mich.
Schwarz, Jos., & Sons, machsts., Belleville, Ill.
Schwarz, S. A., Oil Co., soap, 5716 Euclid, Cleveland, Ohio.
Schwarz Wheel Co., The, Philadelphia, Pa.
Schwarze Electric Company, E. Church St., Adrian, Mich.
Schwarze Electric Co., electric bells, Adrian, Mich.
Schwarzenberg, E. A., Hanna Bldg., Cleveland, O.
Schwarzwalder, J., & Sons, see Atlantic Tank & Barrel Corp. (successor).
Schwarzweider & Co., Inc., Wm., Chichester, N. Y.
Schweers Hardware Co., mchsts. & fndrs., Shawano, Wis.
Schwehms', John M., Sons, hair cloth mfrs., 13 Wister, Philadelphia, Pa.
Schweickhard, Jacob, cooperage stock, Tiffin, Ohio.
Schweiser Co., Chas. K., 520 N. 3rd St., St. Louis, Mo.
Schweitzer & Conrad, 4431 Ravenswood Ave., Chicago.
Schweitzer, C. & R., floor plates, 849 Center, Chicago, Ill.
Schweitzer, C. R., heating contr., Everett, Wash.
Schweitzer, Samuel, paste, 660 W. Lake, Chicago, Ill.
Schweitzer, John, carriages, Hamilton, Ohio.
Schwenger-Klein Co., machy. & refrigerators, 515 Woodland av., Cleveland, Ohio.
Schwenker, W. M., ice making & refrigerating apparatus, Irish moss, 340 E. 92d, New York.
Schwenn, Wm., archl. & ornamental iron, 830 Lexington av. Brooklyn, N. Y.
Schwensen, Wm. (Est. of), silk fringes, 46 Walker, New York.
Schwerd, A. F., Mfg. Co., porch columns, 145 McClure, Pittsburgh, Pa.
Schwerdtle Stamp Co., Bridgeport, Conn.
Schwertzer & Co., J., 136 5th St., San Francisco, Cal.
Schweyer, Hy. A., Co., marble producers, King of Prussia, Pa.
Schwiers, F. W., Jr., Co., steel structural work, 90 West, New York.
Schwikert, Frank, & Son, billiard tables, Rochester, N. Y.
Schwill, Albert, & Co., malt mills, Traders Safe & Trust Bldg., Chicago, Ill.

SCHWING CO., INC., R. I., 937-939 W. 47th St., Chicago.

Schwing Corp., John, 859-861 Wood Ave., Bridgeport, Conn.
Schwing Lumber & Shingle Co., Plaquemine, La.
Schwing, R. I., Co., Inc., moss & felts, Plaquemine, La.
Schwob Co., The J. A., Moundsville, W. Va.
Schwoerer, A., Const. Co., cornices, 402 W. 147th, New York.
Science Hill Canning Co., Science Hill, Ky.
Science Hill Milling Co., flour, Science Hill, Ky.
Scientific American, publication, Woolworth Bldg., New York.
Scientific Apparatus Co., Inc., 17 W. 60th, New York.
Scientific Boiler Chemical Wks., 127 N. Dearborn St. Chicago.
Scientific Engraving Co., 406-26 W. 31st St., New York.
Scientific Heater Co., 1065 E. 152nd St., Cleveland. O
Scientific Instrument & Mfg. Co., The, scientific instrument mfrs., Jamaica, N. Y.
Scientific Instrument Co., hydrometers, regulators, etc., 535 W. Larned, Detroit, Mich.
Scientific Laboratories Co., 2535 Broadway, Cleveland, Ohio.
Scientific Mfg. Co., 426 Prescott Ave., Scranton, Pa.
Scientific Materials Co., 713-719 Forbes St., Pittsburgh, Pa.
Scientific Oil Compounding Co., 1645 S. Kilbourn Ave., Chicago.
Scientific Products Co., elec. cooking app., Steubenville, Ohio.
Scientific Refining Co., Inc., 6523 Euclid Ave., Cleveland, O.
Scientific Supplies Co., 310 Occidental av., Seattle, Wash.
Scientific Utilities Co., Inc., 18 E. 16th St., New York.
Scintilla Magneto Co., 225 W. 57th, New York.
Scio Condensed Milk Co., Scio, Ore.
Scioto Firebrick Co., Sciotoville, Ohio.
Scioto Lime & Stone Co., Delaware, O.
Scioto Sign Co., The, Kenton, O.
Scioto Star Firebrick Works, Portsmouth, O.
Scioto Valley Supply Co., Long & 3d St., Columbus, O.
Sciple-Gochenaur Mfg. Co., Inc., mill & factory supplies, 631 Arch, Philadelphia, Pa.
Scituate Mills, rubber cements, Greenbush, Mass.
Scobee, R. P., & Son Co., lumber, Winchester, Ky.
Scobell Chemical Supply Co., Inc., 131H Railroad, Rochester, N. Y.
Scofield & Co., 24 Murray, New York.
Scofield Engineering Co., consulting engineers, Commercial Trust Bldg., Philadelphia, Pa.
Scofield Engrg. Constr. Co., 8 Pacific Finance Bldg., Los Angeles, Calif.
Scolding Locks Hairpin Co., Appleton, Wis.
Scollay, Jno. A., 74 Myrtle Ave., Brooklyn, N. Y.
Scotch Lumber Co., Fulton, Ala.
Scotch Mfg. Co., Milligan, Fla.
Scotland Neck Guano Co., Scotland Neck, N. C.
Scott & Bowne, pharmaceuticals, Bloomfield, N. J.
Scott & Clark Corp., carriages, Norwich, Conn.
Scott & Co., Earl F., Candler Bldg., Atlanta, Ga.
Scott & Co., Ernest, Fall River, Mass.
Scott & Co., Henry L., 101 Blackstone St., Providence, R. I.
Scott & Fetzer Co., vacuum cleaners, W. 114th and Locust av., Cleveland, Ohio.
Scott & Gilbert, mfg. chemists, 268 Mission, San Francisco, Calif.
Scott & Harmon, 308-314 The Terrace, Buffalo, N. Y.
Scott & Howe, lumber mfrs., Tacoma, Wash.
Scott & Howe Lumber Co., Ironwood, Mich.
Scott & Kemmerer, carriages, Hamburg, Pa.
Scott & Scott, contrs., Red Bank, N. J.
Scott & Sons Co., machinists, Medford, Mass.
Scott & Sons, Jas., 346 Broadway, New York.
Scott & Sons, John M., 602 Lafayette Ave., Racine, Wis.
Scott & West Co., (Cement) 15 East 40th St., New York.
Scott & Williams, Inc., 366 Broadway, New York.
Scott & Yetman, contrs., Red Bank, N. J.
Scott Bros., machsts., Cadiz and Kilbourne, Ohio.
Scott Bros. Elec. Co., lamp guards, Detroit, Mich.
Scott, C. A., & Co., lbr., Tellico Plains, Tenn.
Scott, C. M., Packing Co., Dover, Del.
Scott, C. P., & Sons, thermometers, 308 Terrace, Buffalo, N. Y.
Scott, C. S., mchst., Cadiz, Ohio.
Scott, C. U., & Son, steel hardening, Davenport, Ia.
Scott, Chas. B., Co., plumbers', mill & factory supplies, jobbers, 119 Franklin av., Scranton, Pa.
Scott Co., heating contrs., 243 Minna, San Francisco, Calif.
Scott Co., The, A. W., 112 Pine St., San Francisco, Calif.
Scott Co., The Chas. B., 119 Franklin Ave., Scranton, Pa.
Scott Co., T. A., New London, Conn.
Scott-Coppage Co., see Coppage Printing & Loose Leaf Co., Inc. (successor).
Scott County Land & Lbr. Co., Waldron, Ark.
Scott County Milling Co., feed, Sikeston, Mo.
Scott, Cyrus, Mfg. Co., overalls, Houston, Tex.
Scott, David C., 34 E. 23d, New York.
Scott, D. L., & Co., contrs, 148 N. Alabama, Indianapolis, Ind.
Scott Drill Co., Bank of Commerce Bldg., St. Louis, Mo.
Scott, E. W., Co., whip sockets, Danielson, Conn.
Scott Fertilizer Co., Elkton, Md.
Scott, G. E., contrs., Norwalk, Ohio.
Scott, Geo. V., Co., machsts. & fndrs., Brockton, Mass.
Scott-Graff Lbr. Co., Duluth, Minn.
Scott Hay Press Co., 6th & Mill Sts., Kansas City, Mo.
Scott, H. L., & Co., contrs., San Antonio, Tex.
Scott Heating & Mfg. Co., furnaces, 1135 N. Melton av., Los Angeles, Calif.
Scott, Hy. L., & Co., machsts., 101 Blackstone, Providence, R. I.
Scott, J. E., Cup Co., oil cups, Columbus, Ohio.
Scott, Jas., & Sons, burlap bags, 291 Broadway, New York.
Scott, John F., Co., contrs., 500 2d av., Pittsburgh, Pa.
Scott-Luggers Lbr. Co., Holland, Mich.
Scott, Lyman & Stack Co., elec. fixtures & flushing valves, Sacramento, Calif.
Scott, Olin (Est. of), gunpowder & wood pulp machy., Bennington, Vt.
Scott-Omaha Tent & Awning Co., 1501 Howard St., Omaha, Neb.
Scott Paper Co., Chester, Pa.
Scott Products Co., furn. novelties & toys, 327 Bay, San Francisco, Calif.
Scott, R., Hardware Co., Muncie, Ind.
Scott, Robt., steam heating contrs., 1512 Vine, Philadelphia, Pa.
Scott Roofing & Mfg. Co., 420 Culvert, Cincinnati, Ohio.

SCOTT-SPENCER AUTOMATIC TOOL CO., INC., THE, Sta. "C," Cincinnati, O.
Pres.—Tom J. Scott.
V. P.—T. E. Parker.
Secy.—M. T. Scott.

Scott-Taylor Co., contrs., Ashland, Wis.
Scott-Ullman Co., elec. & gas light fixtures, 3311 Perkins av. N. E., Cleveland, Ohio.
Scott Valve Co., 310 W. Randolph St., Chicago
Scott Valve Mfg. Co., 5963 McKinley Ave., Detroit, Mich.
Scott Valve Co., 310 W. Randolph, Chicago, Ill.
Scott-Veelker Hdwe. Co., whol., 93H N. Pearl, Albany, N. Y.
Scott, Walter, & Co., machsts. & fndrs., Plainfield, N. J.
Scott, Wm. H., Co., cornices, 462 Fore, Portland, Me.
Scottdale Furnace Co., Scottdale, Pa.
Scottdale Machine & Mfg. Co. (Now Marion Machine, Foundry & Supply Co.), Marion, Ind.
Scottdale Mills, cotton sheeting, Scottdale, Ga.
Scotten, Geo. P., & Son, canned goods, Magnolia, Del.
Scottsburg Canning Co., Scottsburg, Ind.
Scottsville Flour Mills, Scottsville, Va.
Scottsville Milling Co., flour, Scottsville, Ky.
Scottsville Paper Box Board Corp., Scottsville, N. Y.
Scovel Iron Store Co., 754 Howard, San Francisco, Calif.
Scovell, Wellington & Co., 110 State St., Boston, Mass.
Scovil, D. & H., agricultural implements, Higganum, Conn.

SCOVILL MFG. CO., brass, bronze & nickel silver in sheets, plates, wire rods, cups & circles, also special stampings, Waterbury, Conn.
Branch Offices:
Boston—10 High.
Chicago—1229 W. Washington Blvd. (western warehouse).
Cleveland—1213 W. 3rd St.
New York—280 Broadway.
Philadelphia—Penna. Bldg.
Pacific Coast:
Los Angeles—Engle-Reid Co., sales agent.
San Francisco—Engle-Reid Co., sales agent.

Scoville Co., E. U., Manlius, N. Y.
Scoville, E. U., Co., machsts. & fndrs., Manlius, N. Y.
Scoville, H. D., canned goods, Constantia, N. Y.
Scoville Mfg. Co., machsts., Oakland, Calif.
Scoville, M. G., Sons Co., brooms, Ogden, Utah.
Scow Bay Iron & Brass Wks., Astoria, Ore.
Scown, Wm. J., Bldg. Co., 36 W. Randolph, Chicago, Ill.
Scrannage Bros., 81 Dudley, Boston, Mass.
Scranton & Co., 42 Church St., New Haven, Conn.
Scranton & Co., hdwe. mfrs., machsts., etc., 157 Church, New Haven, Conn.
Scranton Ave. Carriage & Wagon Wks., 2339 Scranton road, Cleveland, Ohio.
Scranton Bedding Co., mattresses, 1031 Cupause av., Scranton, Pa.

SCRANTON BOLT & NUT CO., General Offices, Scranton, Pa.
Chrm. of the Board—C. H. Zehnder.
Pres.—E. M. Zehnder.
V. P.—C. E. Brodhead.
Sec.—J. R. Lerch.
Treas.—L. M. Horton.
Sales Mgr.—C. E. Brodhead.
Baltimore, Md.—Knickerbocker Bldg., Trilley & Hoffa.
Boston, Mass.—141 Milk St., G. W. Denyven.
New York—120 Broadway.
Philadelphia, Pa.—20th & Venango Sts., Foster Mfg. & Supply Co.
Richmond, Va.—618 East Main St., Taylor Bros.

Scranton Button Co., The, Scranton, Pa.
Scranton C. O., Co., contrs., Alliance, Ohio.
Scranton Coal Co., anthracite, Scranton, Pa.
Scranton Electric Construction Co., Council Bldg., Scranton, Pa.

SCRANTON FORGING CO., 200 Green Ridge St., Scranton, Pa.

Scranton Glass Instrument Co., Inc., 322 N. Washington Ave., Scranton, Pa.
Scranton Iron & Steel Co., fences, gates, railings, screens, towers, fire-escapes, etc., 1335 Cupause av., Scranton, Pa.
Scranton Pump Co., Scranton, Pa.
Scranton Shingle Co., Pascagoula, Miss.
Scranton Silk Mach. Co., 1625 Noyaug av., Scranton, Pa.
Scranton Stove Works, Jefferson Ave. & New York, Scranton, Pa.
Scranton Supply & Machinery Co., Scranton, Pa.
Scranton Whetstone & Abrasive Wheel Co., Battle & Diamond Aves., Scranton, Pa.
Screw Mach. Spec. Co., 1132 Austin av., Chicago, Ill.
Screw Machine Products Corporation, The, 1912 Eddy St., Providence, R. I.
Scribner, A. C., desk lights, Gloversville, N. Y.
Scribner, W. E., Sons, contrs., Auburndale, Mass.
Scripps Motor Co., 625-41 Lincoln Ave., Detroit, Mich.
Scriver & Quinn, paint, 2d & Main, Los Angeles, Calif.
Scudder, R. G., & Son, lbr., Camden, N. J.
Scull Bros., contrs., Atlantic City, N. J.
Scullin, Simon (Est. of), machsts. & fndrs., Cambria and American, Philadelphia, Pa.
Scullin Steel Co., 6700 Manchester Ave., St. Louis, Mo.
Scully, Jno. T., Foundation Co., dock bldrs., Cambridge, Mass.

SCULLY-JONES & CO., 3615 S. Ashland Ave., Chicago.
Pres.—J. A. Scully.

SCULLY STEEL & IRON CO., 1127 Continental Bank Bldg., Chicago.

Sculthorpe, John H., architect, Miami, Fla.
Scusa Lino, machinist, Phoenix, N. Y.
Scutt, Frank, canned goods, Verbank Village, N. Y.
Sea Beach Packing Wks., Aberdeen, Wash.
Sea Coast Canning Co., Eastport, Me.
Sea Food Co., canned, Biloxi, Miss.
Sea Island Cotton Oil Co., meal, Charleston, S. C.
Seaberg, Gustav, Elevator Co., dumb waiters, 407 Douglas, Brooklyn, N. Y.
Seaboard By-Product Coke Co., toluol, Jersey City, N. J.
Seaboard Chem. Co., Blanchard, Newark, N. J.
Seaboard Constr. Co., Rl. Est. Tr. bldg., Phila., Pa.
Seaboard Refractories Co., P. O. Box 327, Perth Amboy, N. J.
Seaboard Rice Milling Co., Galveston, Tex.
Seaboard Supply Co., plumbers' supplies, Norfolk, Va.
Seaboldt Corp., The B., 25 W. Broadway, New York.
Seaborg, B. A., canned goods, Gold Beach, Ore.
Seabright Woven Felt Co., Camden, Me.
Seaburg Mfg. Co., medical cabinets & cabinet work for buildings, Dept. H, Jamestown, N. Y.
Seabury & Johnson, 59 Maiden Lane, New York.
Seabury, Chas. L., & Co., shipbuilders (see Gas Engine & Power Co.), Morris Heights, N. Y.
Seafried Bros., trunk mfrs., 2811 Girard av., Phila., Pa.
Seagrave Co., S. High St., Columbus O.
Seagraves & Purtel, contrs., Woodstown, N. J.
Seagrist, F. W., Jr., Co., granite, 509 E. 17th, New York.
Seal, W. E., & Co., canvas gloves, Millersburg, Pa.
Seal-Tite Piston Ring, Inc., 1704 E. Lake, Minneapolis, Minn.
Seale Fertilizer Co., Seale, Ala.
Sealograph Co., envelope sealing devices, 1700 Brooklyn, Kansas City, Mo.
Sealright Co., Inc., paper boxes, Fulton, N. Y.
Sealwood Co., varnish, 5072 Delmar, St. Louis, Mo.
Sealy & Rambo, fertilizer mfrs., Edison, Ga.
Sealy Mattress Co., Sugarland, Tex.
Sealy, Thos., rosin mfr., 138 Front, New York.
Seaman & Schuske Metal Wks. Co., cornices, St. Joseph, Mo.
Seaman, A. C., expansion bolts, 124 N. 6th, Phila., Pa.
Seaman Body Corp., 1732 Richards, Milwaukee, Wis.
Seaman Co., W. S., Milwaukee, Wis.
Seaman, Henry B., consultg. engnrs., 66 Broadway, New York.
Seaman, Jas., & Son, contrs., 303 S. Perry, Johnstown, N. Y.
Seaman, Inc., Frank, 470 4th Ave., New York.
Seaman, N., & Co., advtg. spec., Irrigon, Ore.
Seaman Oil Co., soap, Glen Cove, N. Y.
Seaman Packard Lumber Co., Fort Smith, Ark.
Seaman Paper Co., 410 N. Michigan av., Chicago, Ill.
Seaman-Sleeth Co., see Pittsburgh Rolls Corp. (successor).
Seamless Container Co., 133 Sheldon, Hartford, Conn.
Seamless Rubber Co., tennis balls, Hallock av., New Haven, Conn.
Seamon, Thos. H., stone producer, Poughkeepsie, N. Y.
Seaport Pipe & Supply Co., plbrs.' supplies, 1415 Lewis av., Long Beach, Calif.
Searchlight Co., 2236 Lumber St., Chicago. (Oxygen.)
Searle & Chapin Lumber Co., Lincoln, Neb.
Searle & Dressler, advtg. spec., 1201 Liberty, Allentown, Pa.
Searle, Chas. B., mason, Windsor, Conn.

SEARLES ELECTRIC WELDING WKS., 821 Washington Blvd., Chicago.

Searls Mfg. Co., 27-29 Mulberry St., Newark, N. J.
Searls Coal Co., Rookery Bldg., Chicago, Ill.
Sears & Nichols Canning Co., Chillicothe, O.
Sears Co., E. D., 83 Boyleston St., Boston, Mass.
Sears-Cross Co., 37th & 14th St., Brooklyn, N. Y.
Sears, C. E., & Co., canned goods, Circleville, Ohio.
Sears, D. M., Co., canned goods, W. Main, Fort Wayne, Ind.
Sears Lumber Co., sash, door & blind, Middleboro, Mass.
Sears Saddlery Co., Davenport, Ia.
Sears, Roebuck & Co., Chicago.
Sears, S. P., windmills, New Milford, Conn.
Seashore Mach. Wks., Atlantic City, N. J.
Seaside Canning Co., Ocean City, Md.

SEATON FOUNDRY CO., THE JOHN, Atchison, Kan. See the Locomotive Finished Material Co., Atchison, Kan.

Seattle Asbestos Factory, 1538 Westlake St., N. Seattle, Wash.
Seattle-Astoria Iron Works, Inc., 601 Myrtle St., Seattle, Wash.
Seattle Belting & Supply Co., 314 Occidental av., Seattle, Wash.
Seattle Boiler Works, 1132 W. 45th St., Seattle, Wash.
Seattle Box Co., 401 Spokane av., Seattle, Wash.
Seattle Brass Co., couplings, valves, etc., 4001 7th av. S., Seattle, Wash.
Seattle Brick & Tile Co., 9th S. & Bradford St., Seattle, Wash.
Seattle Can Co., 815 Adams, Seattle, Wash.
Seattle Car & Foundry Co., Seattle, Wash.
Seattle Cedar Lumber Mfg. Co., 1540 Shilshole St., Seattle, Wash.
Seattle Chair & Woodworking Co., 1147 W. 47th, Seattle, Wash.
Seattle Chain & Mfg. Co., 6921 E. Marginal Way, Seattle, Wash.
Seattle Cooper Works, King and Railroad av., Seattle, Wash.
Seattle Cornice Wks., 1730 1st av. S., Seattle, Wash.
Seattle Frog & Switch Co., 1503-4 L. C. Smith Bldg., Seattle, Wash.
Seattle Hdwe. Co., 501 1st S. St., Seattle, Wash.
Seattle Laundry Tray Co., 1547 N. Westlake av., Seattle, Wash.
Seattle Machine Works, Myrtle & Duwam Way, Seattle, Wash.
Seattle Mattress & Upholstery Co., Sixth Ave. S., near Massachusetts St., Seattle, Wash.
Seattle Metal Ceiling Co., sheet steel ceilings, cornices & skylights, Seattle, Wash.
Seattle Paint Co., 224 Jackson, Seattle, Wash.
Seattle Paint Co., 1023 1st av., Seattle, Wash.
Seattle Plumbing Supply Co., 509 1st S. Seattle, Wash.
Seattle Plumbing Supply Co., 590 1st av. S., Seattle, Wash.
Seattle Quilt Mfg. Co., 310 1st av. S., Seattle, Wash
Seattle Sheet Metal Shop, cornices & skylights, Seattle, Wash.
Seattle Shipbuilding & Dry Dock Co., King st. dock, Seattle, Wash.
Seattle Standard Engine Mfg. Co., Seattle, Wash.
Seattle Stove Wks., machsts. & fndrs., Seattle, Wash.
Seattle Suit Case Mfg. Co., 212-2nd St., Seattle, Wash.
Seattle Tent & Awning Co., contrs., Seattle, Wash.
Seattle Waxine Co., 104 Westlake av. N., Seattle, Wash.
Seaver & Co., 3 Tremont Row, Boston, Mass.
Seaver, H. T., mill & facty. supplies, Barton, Vt.
Seaverns Piano Action Co., Military rd., Buffalo, N. Y.
Seavey, C. W., machinist, Paynesville, Minn.
Seavey Co., loose leaf devices, 24 Exch., Portland, Me.
Seavey, J. Herbert, whol. hdwe., Dover, N. H.
Seay, E. W. & S. F., contractors, Norfolk, Va.
Sebastian Bros., corn brooms, fruit evaporators, Odin, Ill.
Sebastian Lathe Co., 3rd & Philadelphia, Covington, Ky.
Sebewaing Lumber & Mfg. Co., sash, door & blind, Sebewaing, Mich.
Sebewaing Sandstone Brick Co., masons' matls., etc., Sebewaing, Mich.
Sebring, E. H., China Co., Sebring, Ohio.
Sebring Motor Co., Sebring, O.
Secaw Chem. Co., phosphorous oxychloride phosphorous trichloride, Irvington, N. J.
Seccomb-Kehew-Bradley Co., 24 Purchase St., Boston, Mass.
Sechler, D. M., Implement & Carriage Co., Moline, Ill.
Sechrist Mfg. Co., Albert, 1717 Logan St., Denver, Colo.
Seco Pressed Brick Co., D. Harris, Tex.
Secor, A. W., mill & facty. supplies, 16 Reade, New York.
Secor Typewriter Rep. Co., see Duffield & Co. (successor).
Secrest, John P., stone producers, Laurel, Ind.
Secrist & Camper, canned goods, Buchanan, Va.
Sector, Jas., & Co., granite, Barre, Vt.
Security Bank Note Co., street ry. tickets, 223 Chestnut, Philadelphia, Pa.
Security Bridge Co., Minneapolis, Minn.
Security Bank Note Co., 223 Chestnut St., Philadelphia, Pa.
Security Co., concrete inserts, 2016 N. Hope, Philadelphia, Pa.
Security Coal & Mining Co. of Missouri, Fisher bldg., Chicago, Ill.
Security Constr. Co., La Grande, Ore.
Security Cement & Lime Co., Equitable Bldg., Baltimore, Md.
Security Electric Mfg. Co., 2635 Canton St., Chicago.
Security Envelope Co., 2900 5th Ave., Minneapolis, Minn.
Security Fire Door Co., 3048 Lambdin St., St. Louis, Mo.
Security Flour Mills, Abilene, Kans.

SECURITY INSERT CO., 2016 N. Hope St., Philadelphia, Pa.

Security Lightning Rod Co., Burlington, Wis.
Security Metal Products Co., The Dunlap & Henry, Cincinnati, O.
Security Mfg. Co., auto tire locks, 1047 W. 16th, Los Angeles, Calif.
Security Rubber & Belting Co., 2837 S. La Salle St., Chicago.
Security Steel & Iron Co., Watervliet, N. Y.
Security Stove & Mfg. Co., 17th & Oakland Sts., Kansas City, Mo.
Sedalia Fdry. & Mach. Wks., Sedalia, Mo.
Sedalia Milling Co., flour, Sedalia, Mo.
Sedgley, Inc., R. F., 2311-15 N. 16th St., Philadelphia, Pa.
Sedgwick Machine Works, 140 W. 15th St., New York.
Sedgwick Sales Co., auto tire holders, 1405 Sedgwick av., New York.
Sedlachek, E., bldg. contr., Superior, Wis.
Sedlin Tool & Die Works, Inc., 2442 W. Harrison St., Chicago.
Sedro Box & Veneer Co., Sedro, Wooley, Wash.

SEE ELEVATOR CO., INC., A. B., 52 Vesey St., New York.
Baltimore, Md. — **Hartford, Conn.**
Boston, Mass. — **New York.**
Cleveland, Ohio. — **Philadelphia, Pa.**
Detroit, Mich. — **Washington, D. C.**
Factory: Pacific Ave., Jersey City, N. J.

Seebod & Thomas, contrs., Billings, Mont.
Seeboth Bros. Co., scrap iron, 111 Reed, Milwaukee, Wis.
Seeboth Co., Albert G., 230 Mineral Ave., Milwaukee, Wis.
Seeburg, J. P., Piano Co., 1510 Dayton av., Chicago, Ill.
Seed Filter & Mfg. Co., 73 Franklin, New York.
Seed, J. S., Builders Exchange, contrs., Worcester bldg., Portland, Ore.
Sees & Faber Co., Inc., 2008 N. Front St., Philadelphia, Pa.

SEE-DRO SEPARATOR CO., battery separators, Hearst Bldg., San Francisco, Calif.

Seed Trade Reporting Bureau, grain testers, 1018 S. Wabash av., Chicago, Ill.
Seeder Mfg. Co., agricultural implements, Homer, Mich.
Seeger Machine Tool Co., 34 S. Forsythe, Atlanta, Ga.
Seeger Refrigerator Co., Corner Arcade and Wells St., St. Paul, Minn.
Seeger, Valentine, machst. & fndr., Toledo, Ohio.
Seehausen, Wehrs & Co., mill & facty. supplies, 173 N. Franklin, Chicago, Ill.
Seelar Elev. Wks., 332 3d av., Pittsburgh, Pa.
Seeley Bros., machy., Blaine, Wash.
Seeley, John A., Mfg. Co., fndrs., Ogdensburg, N. Y.
Seeley Paper Mills Co., binders' & friction boards, Scotch Plains, N. J.
Seeley Tube & Box Co., paper cans, etc., 344 Central av., Newark, N. J.
Seelig & Son, R., 231 N. Wells St., Chicago.
Seely Bros., Blaine, Wash.
Seely, D. W., machst. & fndr., Sodus Point, N. Y.
Seely, Frances A., Co., fireless cookers, 5735 Harper av., Chicago, Ill.
Seelye, A. T., cornices & skylights, 700 E. Hennepin av., Minneapolis, Minn.
Seelye Mfg. Co., machsts. & fndrs., 49 High, Boston, Mass.
Sees & Faber Co., Inc., 2008 N. Front St., Philadelphia, Pa.
Seestedt, Henry W., machst. & fndr., Romulus, Mich.
Seevers Mfg. Co., machsts. & fndrs., Oskaloosa, Ia.
Seffren Scrap Iron & Machy., 213 N. Halsted, Chicago, Ill.
Sefton, Chas. A. S. E., carriages, cor. Monument & Eden, Baltimore, Md.
Sefton Mfg. Corp., 1301 W. 35th St., Chicago.
Segal Lock & Hdwe. Co., Inc., 155 Leonard, New York.
Segale Mfg. Co., store fixtures, 68 E. Spring, Columbus, Ohio.
Segelke & Kohlhaus Mfg. Co., La Crosse, Wis.
Seger Bros., bituminous coal mine, Ligonier, Pa.
Seguin Milling & Power Co., flour, Seguin, Tex.
Segur Coil Winding Equipment, 712 Postal Telegraph bldg., Chicago, Ill.
Sehnerts, Inc., mechanical rubber goods & oil well supplies, Shreveport, La.
Seib Bros. Co., pulleys, mallets, etc., 96 Boyd, Jersey City, N. J.
Seibel Air Spring Co., Inc., 785 Market, San Francisco, Calif.
Seibel-Suessdorf Copper & Iron Mfg. Co., 2d & Lombard, St. Louis, Mo.
Seiberling & Miller Co., agricultural implements, Doylestown, Ohio.
Seibert, H. E., fly killers & paper, 475 Broadway, St. Paul, Minn.
Seick Tent & Awning Co., Des Moines, Ia.
Seidel, Ad., & Sons, bakers' mfg. chemists, 1245 Garfield av., Chicago, Ill.
Seidel, B., crucible mfrs., 1322 Callowhill, Philadelphia, Pa.
Seidel Buggy Co., Richmond, Ind.
Seidel Furniture Mfg. Co., New Orleans, La.
Seidel, J. A., Marysville, Pa.
Seidel, Inc., R. B., 1322-24 Callowhill St., Philadelphia, Pa.

SEIDEL LUMBER COMPANY, JULIUS, 2200 S. Kingshighway, St. Louis, Mo.
Pres.—Julius Seidel.
V. P.—Frank Seidel.
Secy.—Louis Kaseberg.
Treas.—E. A. Schuhmacher.

Seidel Mfg. Co., Boatmen's Bank Bldg., St. Louis, Mo.
Seideman Bros., silk fringes, 121 N. 7th, Philadelphia.
Seidenberg, J. M., Co., Inc., plbrs.' supplies, 254 W. 34th, New York.
Seidler-Miner Co., 36 E. Larned St., Detroit, Mich.
Seiditz & Werner, contractors, Winona, Minn.
Seidlitz Varnish Co., 18th & Garfield, Kansas City, Mo.
Seifert, Frank A., Plastic Relief Co., arch, modelers & sculptors, 5139 Maple, St. Louis, Mo.
Seiffert, H. O., Co., Hewett & Viaduct, Everett, Wash.
Seifke, H. A., & Co., mixers, San Francisco, Calif.
Seig Brewery Apparatus Co., 1320 N. 5th, Philadelphia, Pa.
Seiler Iron Works, Inc., 945 S. Pilgrim st., Stockton, Calif.
Seim & Co., Henry, Fay & Howard Sts, Baltimore, Md.
Seinsheimer Paper Co., York & McLean, Cincinnati, O.
Seippel Lumber Co., Peter J., 203 S. Locust St., Dubuque, Iowa.
Seiss Mfg. Co., The, 3835 Alexis Ave., Toledo, O.
Seiter & Son, lumber, Owens, Ohio.
Seither & Cherry Co., separators (cream), Keokuk, Ia.
Seither & Ellis, hdwe. & mill supplies, 61 Mechanic, Newark, N. J.
Seitter's Sons, F., Nicetown & G St., Philadelphia, Pa.
Seitz & Son, J. H., 414 Brown St., Philadelphia, Pa.
Seitz, F. A., Co., auto engines, Newark, N. J.
Seitz, Geo., carriages, 745 Bowen av., Chicago, Ill.
Sek Mfg. Co., 4301-5 West Kinzie St., Chicago.
Selas Co., 525 W. 23rd St., New York.
Selbach-Meyer Co., machsts., West New York, N. J.
Selby Safety Flag Co., Railway Exchange Bldg., St. Louis, Mo.
Selby Smelting Works, San Francisco, Cal.
Selbyville Packing Co., canned goods, Selbyville, Del.
Selchow & Righter Co., toys, games, etc., 620 Broadway, New York.
Selden Cypress Door Co., Palatka, Fla.
Selden Truck Corp., 49 East Ave., Rochester, N. Y.
Seldner & Enquist, 86 Hausman, Brooklyn, N. Y.
Selectasine Patents Co., advtg. signs, Mills bldg., San Francisco, Calif.

Selected Electric Appliance Co., The, 251 Weybosset St., Providence, R. I.
Selected Electric Appliance Co., The, 212 Union St., Providence, R. I.
Select-O-Phone Co., The, 1012 Eddy St., Providence, R. I.
Self Bailing Life Boat Co., 912 Western av., Seattle, Wash.
Self-Locking Carton Co., 465 E. Illinois, Chicago, Ill.
Self-Oiling Wheel & Bearing Co., Walla Walla, Wash.
Selfridge, O. B., Co., wood handles, Lima, Ohio.
Self Winding Clock Co., 161-65 Grand Ave., Brooklyn, N. Y.
Selg Brewery Apparatus Co., 1322 N. 5th av., Philadelphia, Pa.
Seligman & Co., Tamaqua, Pa.
Selikowitz, S. D., mill agent, steel pipe, sheets, rivets, wire products, etc., 90 West, New York.
Sell & Co., P. O. Box 135, Cumberland, Md.
Sell Bros. Co., Inc., contractors, Cumberland, Md.
Sellberg-Lohiser Awning Co., E. 55th & Broadway, Cleveland, O.

SELLE & CO., H. W. (Excelsior, Wood Wool & Tow), 1012 N. Halsted St., Chicago.

Seller Bros. & Co., wholesale hdwe., 14 Spear, San Francisco, Calif.
Seller Carriage Co., Versailles, Ky.
Sellers & Co., Wm. (Inc.), 1600 Hamilton St., Philadelphia, Pa.
Sellers, E. A., lumber, Orwell, Ohio.
Sellers, Edw., steel tray barrows, Oak Hall Station, Pa.
Sellers, G. I., & Son Co., kitchen cabinets, Dept. H, Elwood, Ind.

SELLERS MANUFACTURING COMPANY, McCormick Bldg., 332 S. Michigan Ave, Chicago

Pres.—John M. Sellers.
V. P. & G. M.—R. A. Van Houten.
Secy. & Gen. Sales Agt.—George M. Hegan.
Asst. Treas.—W. H. Siegmund.
Asst. Gen. Sales Agt.—R. J. Piatt.

Dallas, Tex.—W. D. Jenkins, Praetorian Bldg.
Denver, Colo.—James C. Dolan, 1617 Blake St.
Houston, Tex.—Carter Bldg., W. D. Jenkins.
Los Angeles, Cal.—K. C. Banks, 4806 7th Ave.
Montreal, Que., Can.—Sellers Anchor Bottom Tie Plate Co. of Canada, Ltd., Coristine Bldg.
New York—Railway Specialties Corp., 50 Church St.
Philadelphia, Pa.—H. M. Fetterolf, 261 S. 15th St.
St. Paul, Minn.—B. W. Parsons Co., Merchants Bank Bldg.

Sellew Machine Tool Co., 28 Bayley St., Pawtucket, R. I.
Sellman, A. B., & Bro., canned goods, Watersville, Md.
Sells Co., The, J. H. & F. A., Chestnut & Pearl Sts., Columbus, O.
Selma Hardware Co., Selma, Ala.
Selma Oil & Ice Co., fertilizer mfrs., Selma, Ala.
Selmore, Inc., show cases, 35 E. 12th, New York.
Selover Milling Co., flour, Moravia, N. Y.
Selser & Ballantyne Co., 535 Sycamore, Cincinnati, O.
Seltzer-Klahr Hardware Co., 429 Arch, Philadelphia, Pa.
Seltzer Packing Co., meat packers, Pottsville, Pa.
Sel-Worth Co., The, 918 Ft. Wayne Ave., Indianapolis, Ind.
Selz-Best Mfg. Co., wood working machy., 13 W. Kinzie, Chicago, Ill.
Selzer, J. M., Carriage & Business Wagon Mfg. Co., 1525 N. 14th, St. Louis, Mo.
Sem Steel Fdry. Co., New Portage, Ohio.
Semet-Solvay Co., Milton Ave., Syracuse, N. Y.
Seminole Chemical Co., Inc., (Boiler Cleaner) 75 Vesey St., New York.
Seminole Construction Co., Miami, Fla.
Seminole Fertilizer & Oil Co., The, Duval Bldg., Jacksonville, Fla.
Seminole Mfg. Co., cotton sheetings, Clearwater, S. C.
Seminole Mills, cotton sheetings, Clearwater, S. C.
Seminole Overall Mfg. Co., 1125 W. Forsythe, Jacksonville, Fla.
Semi-Steel Test Fdry. Co., 4916 Bloomingdale Ave., Chicago.
Semmelmeyer Belting Co., 720 N. Second St., St. Louis, Mo.
Semmes Hardware Co., Savannah, Ga.
Semones & Son, machsts. & fndrs., Union City, Tenn.
Semple Mfg. Co., Inc., saddle blankets, cordage & twine, Louisville, Ky.
Semple, W. & A. C., railway supplies, 309 W. Main, Louisville, Ky.
Semprez, John, machinist, Topeka, Kans.
Senatobia Cotton Oil Co., Senatobia, Miss.
Sendel, Robert O., hdwe., Lehighton, Pa.
Seneca Brass & Plating Works, Utica, N. Y.
Seneca Camera Mfg. Co., 453 Central Ave., Rochester, N. Y.
Seneca Cotton & Warehouse Co., Seneca, S. C.
Seneca Engineering Co., Montour Falls, N. Y.
Seneca Falls Folding Box Co., Seneca Falls, N. Y.
Seneca Falls Rule & Block Co., Inc., Seneca Falls, N. Y.
Seneca Fertilizer Co., Seneca, S. C., & Tiffin, Ohio.
Seneca Fibre Products Co., boards & shipping cases, H Falls, Seneca Falls, N. Y.
Seneca Glass Co., tumblers, Morgantown, W. Va.
Seneca Iron & Steel Co., Blasdell Ave., Buffalo, N. Y.
Seneca Kraut & Pickling Co., canned gds., Geneva, N. Y.
Seneca Lumber & Millwork Co., Dept. H., Fostoria, O.
Seneca Motor Car Co., commercial cars, Fostoria, O.
Seneca Oil Mills, meal, Seneca, S. C.
Seneca Oil Works, Warren, Pa.
Seneca Tripoli Co., see Am. Tripoli Co. (successor).

SENECA WIRE & MFG. Co., THE, South Vine St., Fostoria, O.

Pres.-Gen. Mgr.—Lucian E. Kinn.

Senefelder Litho Stone Co., 32 Greene St., New York.
Senelith Ink Co., Inc., 32 Greene, New York.
Seng Auto Device Co., push buttons, 1452 Dayton, Chicago, Ill.
Seng Co., hardware mfrs., 1450 Dayton, Chicago, Ill.
Sengbusch Self-Closing Inkstand Co., 603 Stroh Bldg., Milwaukee, Wis.
Sengel, Philip, & Son, wooden kegs, Louisville, Ky.
Senk, Jno. & W., fndrs., Syracuse, N. Y.
Senn Concentrator Co., see Bunting Iron Wks. (successors).
Senseman Lumber Co., J. M., Parkersburg, W. Va.
Senter-Robbins-Fox Corp., 215 Broadway, New York.
Sequatchie Handle Works, Sequatchie, Tenn.

SERFAS LUMBER COMPANY, Drake Bldg., Easton, Pa.

Sergeant Co., E. M., 15 E. 26th St., New York.
Sergeant Mfg. Co., Greensboro, N. C.
Sergeson & Co., R., Tulip & Palmer, Philadelphia, Pa.
Sero Specialty Co., belt dressings, 2860 E. 84th, Cleveland, Ohio.
Serratelli's, P., Sons, scrap iron, 156 Malvern, Newark, N. J.
Serrell & Schenck, htg. & ventg. engrs., 15 W. 34th, New York.
Serrell Electric & Appliance Corp., ovens, 36 W. 44th, New York.
Serson Hardware Co., htg. contrs., 109 31st, Chicago, Ill.
Service Caster & Truck Co., Albion, Mich.
Service Constr. Co., Castle Hall bldg., Indianapolis, Ind.
Service Elec. & Mfg. Co., switchboard, Minneapolis, Minn.
Service Equipment Co., service station & garage equipt., 407 W. Slauson, Huntington Park, Calif.
Service Gear & Machine Co., Reading, Pa.
Service Glove Co., 62 Shipman, Newark, N. J.
Service Motor Truck Co., Wabash, Ind.
Service Plumbing Supply Co., 156H Central av., Newark, N. J.
Service Recorder Co., The, 454 Hanna Bldg., Cleveland, O.
Service Steel Co., Rivard & Maple Sts., Detroit, Mich.
Service Tool Co., 461-467 New Jersey R. R. Ave., Newark, N. J.
Service Tool & Die Mfg. Co., 2256 Walnut St., Chicago.
Service Water Heater Co., 626 W. Colorado, Glendale, Calif.
Servicised Products Co., 1st Natl. Bank Bldg., Chicago.
Servoss Furnace Co., 16 W. Illinois St., Chicago.
Servus Rescue Equipment Co., 50 Columbia, Newark, N. J.
Sessions & Son, J. H., Bristol, Conn.
Sessions Clock Co., Forestville, Conn.
Sessions, F. E., Co., coffins, caskets, etc., 28 Trumbull, Worcester, Mass.
Sessions Foundry Co., The, Bristol, Conn.
Sessions, H. M., & Sons, fertilizer mfrs., Enterprise, Ala.
Setlow, M., & Sons, overalls, 232 George, New Haven, Conn.
Seton, Frank J., cornices, 42 Buckingham rd., Brooklyn, N. Y.
Seton Leather Co., patent & enameled leather, 62 Verona av., Newark, N. J.
Setter Bros. Co., wood skewers, Cattaraugus, N. Y.
Settle, J. C., & Co., contractors, Pontiac bldg., St. Louis, Mo.
Settle, T. J., blankets—woolen, Scottsville, Ky.
Settle, W. A., brick, common, Clarksville, Tenn.
Seufert Bros. Co., canned goods, The Dalles, Ore.
Seus, Rudolf, stone, 406 E. 109th, New York.
Severance Elect. Co., factory signals, 1 Hartford, Boston, Mass.
Severance Gas Machine Co., Freeport, Ill.
Severence Mfg. Co., S., Glassport, Pa.
Severet, J. A., & Co., meat packers, 833 Dayton, Cincinnati, Ohio.
Severns, J. T., & Sons Co., sashes, doors & blinds, Burlington, N. J.
Sevier, J. D., Son, mach. & fndr., Milan, Mo.
Sevison Electric Co., igniters, Elkhart, Ind.
Sewall Paint & Glass Co., 1009 W. 8th, Kansas City, Mo.
Seward & Co., machsts. & fndrs., Bloomington, Ind.
Seward Trunk & Bag Co., Petersburg, Pa.
Sewell Bros., smelting plants, 1025 Towne av., Los Angeles, Calif.
Sewell-Clapp Envelopes, Inc., Belmont & Tripp Aves., Chicago.
Sewell Cushion Wheel Co., The, 1296 Gratiot Ave., Detroit, Mich.
Sewell Mfg. Co., lightning rods, 1315 S. E. 4th, Minneapolis, Minn.
Sewell Paint & Glass Co., 1009 W. 8th St., Kansas City, Mo.
Sewell, W. F., flour mills, Bethlehem, Ky.
Sewer Pipe Mfg. Co., Second Nt'l Bk. bldg., Akron, O.
Sewing Machine Supplies, 210 South, Boston, Mass.
Sewing Machine Times, trade publication, 106 E. 19th, New York.
Sexauer & Lemke, Inc., Long Island City, N. Y.
Sexauer, Chas., Roofing Co., cornices, 1468 Sherman, Detroit, Mich.
Sexsmith Lbr. Co., Metline Falls, Wash.
Sexton & Co., J. F., Empire State Bldg., Spokane, Wash.
Sexton Can Co., The, 125 Broad St., Boston, Mass.
Sexton Mach. Co., Hartford, Conn.
Sexton Stove & Mfg. Co., S. B., 501 W. Conway St., Baltimore, Md.
Sexton Tractor Corp., Asbury Park, N. J.
Sexton, W. J., concrete contr., Hartford, Conn.
Sextro Mfg. Co., furn., 2126H Winchell av., Cincinnati, Ohio.
Seybold Machine Co., 811 Washington, St., Dayton, O.
Seybold Piano & Organ Co., Elgin, Ill.
Seydel Chemical Co., size, soap, etc., 86 Front st., Jersey City, N. J.
Seydel Chemical Co., 120 Broadway, New York.
Seyfert, Simon (Est. of), rolling mills, Reading, Pa.
Seyfert's Sons, Inc., L. F., 437-41 N. 3rd St., Philadelphia, Pa.
Seyler Hardware Co., Marietta, Ohio.
Seymour & Peck Co., wooden drums, 20th pl. & Sangamon, Chicago, Ill.
Seymour Brass Turning Co., screw mach. products, Seymour, Conn.
Seymour, Chas. H., archt., 215 Greene, New York.
Seymour Commercial Co., bldrs' matls., hdwe., etc., Seymour, Conn.
Seymour Cotton Oil Co., meal, Seymour, Tex.
Seymour, David C., hot water generators, 49 Lawrence, Newark, N. J.
Seymour, Ernest, watch crystals, 36 John, New York.
Seymour, J. M., Jr., 51 Lawrence St., Newark, N. J.
Seymour Mfg. Co., grain cradles, pruning shears, scythe snaths, etc., Seymour, Ind.
Seymour Mfg. Co., 4038 Duncan St., St. Louis, Mo.
Seymour Mfg. Co., Seymour, Conn.
Seymour Metal Goods Co., The, Seymour, Conn.
Seymour Planing Mill Co., sash, door & blind, Seymour, Ind.
Seymour Rail Grinder Co., E. P., Waltham, Mass.
Seymour Woolen Mills, Seymour, Ind.
Shabeck, John C. L., silver nov., 236 Aborn, Providence, R. I.
Shaboldt Mfg. Co., 68 Flushing Ave., Brooklyn, N. Y.
Shackelford, Edgar, machsts., Cambridge, Md.
Shackley & Son Co., W. T., 523 Atlantic Ave., Boston, Mass.
Shadall Mfg. Co., closet ventilators, Wauwatosa, Wis.
Shadbolt & Boyd Iron Co., 131 W. Water, Milwaukee, Wis.
Shadbolt Mfg. Co., wagons, 68 Flushing av., Brooklyn, N. Y.
Shadburn Bros., harness, Buford, Ga.
Shade, John W., contractor, Palmyra, N. J.
Shadle Automatic Train Control Co., Belmont & Turner Aves., Indianapolis, Ind.
Shady Brook Shingle Co., Lynden, Wash.
Shafer Bearing Corp., 6501 W. Grand Ave., Chicago.
Shafer Lbr. Co., Cyrus C., South Bend, Ind.
Shafer, McLaughlin & Hiller, Inc., lbr., Columbia blk. & Vancouver av., Portland, Ore., & 640 Farmers' Tr. bldg., South Bend, Ind.
Shafer, O. J., patterns, etc., 207 E. 6th, Cincinnati, O.
Shafer, Perry C., Co., fertilizer mfrs., Brockport, N. Y.
Shaffer, C. F., Lumber Co., Laurel, Md.
Shaffer, G. W., drain tile, Spencerville, Ohio.
Shaffer Oil & Refg. Co., 232 S. Clark St., Chicago.
Shahan, Patrick, & Son, contractors, Lebanon, Ind.
Shakeproof Lock Washer Co., 154 E. Erie St., Chicago.
Shakespeare Co., carburetors & fishing tackle mfrs., Kalamazoo, Mich.
Shakespeare Iron Works, 913 Girod, New Orleans, La.
Shakopee Stove Wks., machsts. & fndrs., Shakopee, Minn.
Shale Hill Brick & Tile Co., Chillicothe, Mo.
Shaler Co., C. A., Waupun, Wis.
Shaler Umbrella Co., Waupun, Wis.
Shallcross Company, The, 1457 Greys Ferry Ave., Philadelphia, Pa.
Shambaugh Milling Co., flour mills, Clarinda, Ia.
Shambow Shuttle Co., Woonsocket, R. I.
Shambug & Allen Machine Co., machsts. & fndrs., Coraopolis, Pa.
Shamokin Lumber & Mfg. Co., Shamokin, Pa.
Shamokin Powder Co., Shamokin, Pa.
Shanafelt Mfg. Co., 1228 4th Ave., S. W., Canton, O.
Shand Builders' Supply Co., Columbia, S. C.
Shands, T. W., & Co., turpentine, Green Cove Springs, Fla.
Shane & Co., plbrs.' supplies, 3304 Wentworth, Chicago, Ill.
Shane Construction Co., 302 Herald Bldg., Syracuse, N. Y.
Shane Furnace & Metal Appliance, West Warren av. & S. Delaware, Denver, Colo.
Shaner, Geo. W., & Son, contractors, Palmyra, N. J.
Shanhouse, W., & Sons, overalls, Rockford, Ill.
Shank, Charles W., Co., adding machines, Maywood, Ill.
Shank Co., contrs., 30 N. La Salle, Chicago, Ill.
Shank, Cyrus, Co., screw machine products, 625 W. Jackson, Chicago, Ill.
Shank, D. C., & Co., sashes, doors & blinds, Pandora, Ohio.
Shank, Daniel, Lumber Co., Angola, Ind.
Shank Milling Co., flour, Salem, Va.

SHANK SIGN CO., E. A., 243H W. 55th St., New York.

Shankland, E. C. & R. M., arch'l engrs., 209 S. La Salle St., Chicago, Ill.
Shanklin Equipment Co., Inc., 356 Main St., Springfield, Mass.
Shanklin Mfg. Co., locks, lead pencils, & acetylene lamps, Springfield, Ill.
Shann Mfg. Co., mouse traps, card & label holders, Middletown, N. Y.
Shannahan & Wrighison Hardware Co., cornices, Easton, Md.
Shannock Narrow Fabric Co., cotton shelving, Pawtucket, R. I.

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Sherman Preserving Co., Sherman, N. Y.
Sherman, R. A., & Son, contractors, 7 Leonard, New Bedford, Mass.
Sherman's, R. A., & Sons Co., masons' & bldrs.' matls., Westerly, R. I.
Sherman Service, Inc., 10 State St., Boston, Mass.
Sherrill Hardwood Lumber Co., Merryville, La.
Sherill-King Mill & Lumber Co., Paducah, Ky.
Sherrill-Russell Lumber Co., Paducah, Ky.
Sherritt & Storer Co., Inc., 2006-8 Market St., Philadelphia, Pa.
Sherwin & Son, E. C., Brandon, Wis.
Sherwin Electric Co., Burlington, Vt.

SHERWIN-WILLIAMS CO., THE, 601 Canal Road, N. W., Cleveland, O.
Mgr. Ry. Sales Dept.—Arthur Larkins, Cleveland, O.
Branch Offices:
ALA.—Birmingham—2009 Third Ave., N.
ARK.—Little Rock—720 Main St.
CALIF.—Los Angeles—820 Traction Ave., Phone 102-79.
Pasadena—177 East Colorado St.
San Francisco—V. K. Wolcott, 454 Second St., Karny 1560.
COLO.—Denver—1629 Arapahoe St., Main 1442.
DIST OF. COL.—Washington—831 Munsey Idg., Main 7699.
GA.—Atlanta—20 Glenn St., West.
Savannah—737 Wheaton St.
ILL.—Kensing—R. V. Goodremont.
Peoria—318 S. Adams St.
IND.—Indianapolis—318 W. Georgia St., Main 5464.
LA.—New Orleans—317 Camp St.
MD.—Baltimore—McCormick Bldg., Plaza 3965.
MASS—Boston—H. A. Sturn, 11-15 Stillings St., Main 1645.
MICH.—Detroit—539 Woodward Ave., Main 633.
Saginaw—118 Lapeer Ave.
MINN.—Minneapolis—701 Third St., N., Geneva 4667.
MO.—Kansas City—W. P. Clark, O. D. Lightner, 1400 St. Louis Ave., Harrison 8318.
St. Louis—H. P. Reeds, Second and Clinton Sts., Tyler 1888.
NEB.—Omaha—Corner Tenth and Dodge Sts.
N. J.—Newark—Brown St. & Lister Ave.
N. Y.—Albany—447 Broadway.
Binghamton—162 Washington St.—
Buffalo—66 Erie St., Seneca 0005.
New York—F. A. Elmquist, John Schlintz, 116 W. 32nd St., Chelsea 3506.
Rochester—389 E. Main St.
Schenectady—326 State St.
Utica—49 Franklin St.
O.—Cincinnati—R. J. Barnes, Sixth, Corner Main, Canal 160.
Cleveland—D. R. Jones, B. M. McDade, S. R. Fraser, I. W. Swaney, Main 4200.
Columbus—205 S. High St.
OKLA.—Oklahoma City—20 West California St.
Tulsa—118 S. Cheyenne Ave.
ORE.—Portland—469 Everett St.
PA.—Philadelphia—Delaware Ave. and Chestnut St., Lombard 4584.
Pittsburgh—927 Liberty Ave., Grant 1595.
TENN.—Chattanooga—924 Market St.
Johnson City—256 Main St.
Knoxville—317 Wall Ave.
Nashville—Fifth Ave., Corner Union St.
TEX.—Dallas—E. S. Donnelly, 1621 Wall St.
El Paso—216 North Stanton St.
Fort Worth—700 Houston St., Lomar 1193.
Houston—2108 Preston Ave., Preston 2646.
San Antonio—135 W. Commerce St.
Waco—720 Austin St.
Wichita Falls—813 Ohio Ave.
VA.—Richmond—1315 E. Main St.
WASH.—Seattle—F. W. Hewes, 512 1st Ave., Elliott 2902.
Spokane—157 S. Post St.
CAN.—Vancouver, B. C.—827 Powell St.
Winnipeg, Man.—110 Sutherland Ave.
Toronto, Ont.—1 Leslie St.
Montreal, Que.—897 Centre St.
ENG.—London—7 Well Court, off Queen St., E. C. 4.

Sherwood & Snell, fndrs., Middleport, N. Y.
Sherwood Brass Works, 1167 E. Jefferson Ave., Detroit, Mich.
Sherwood Bros. lubrg. oils, Garrett bldg., Baltimore, Md.
Sherwood Bros. Mfg. Co., auto truck trailers, vehicles, etc., Canastota, N. Y.
Sherwood Canning Co., Sherwood, Md.
Sherwood Co., school furniture, 1856 W. 14th, Chicago, Ill.
Sherwood, E. C., 50 Church St., New York.
Sherwood Hall Co., Ltd., 26 Ionia N., Grand Rapids, Mich.
Sherwood, J. F., contractor, Yonkers, N. Y.
Sherwood, J. M., Mfg. Co., pot cleaners, 44 Murray, New York.
Sherwood Lithograph Co., 465 E. 30th St., Chicago.
Sherwood, Lorenzo W., htg. contr., 117 Edgecombe av., New York.
Sherwood Manufacturing Co., 1702-1716 Elmwood Ave., Buffalo, N. Y.
Sherwood Metal Working Co., Leall Ave., & Canal St., Syracuse, N. Y.
Sherwood, Oliver Co., oilers, bearings & acid pumps, 506 Market, San Francisco, Calif.
Sherwood, W. L., machst. & fndr., Kirksville, Mo.
Shetucket Co., denims, Greenville, Conn.
Shevlin-Carpet & Clark Co., lbr., First Nat'l Soo Line bldg., Minneapolis, Minn.
Shevlin, Edwin C., lbr. mfrs., Spalding bldg., Portland, Ore.
Shevlin-Engineering Co., 259 W. 34th St., New York.
Shevlin-Hixon Co., 1st National Soo Line Bldg., Minneapolis, Minn.
Shewan & Sons, James, ft. 27th St., Brooklyn, N. Y.
Shick, Charles & Co., whol. hdwe., Trenton, N. J.
Shick Trading Corp., (Block) 247 W. 47th St., New York.
Shield Waldron & Co., Barre, Vt.
Shields & Allyn Lumber Co., The, Engineers Bldg., Cleveland, O.
Shields & Bro., wholesale hardware, 521 Market, Philadelphia, Pa.
Shields, C. W., cut glassware, Hawley, Pa.
Shields Carriage Co., Amesbury, Mass.
Shields Cutter Co., see Sommer & Adams Co. (successor).
Shields, D. B., lbr., Marienville, Pa.

SHIELDS, EARL B., 1632 Harris Trust Bldg., Chicago.

Shields Foundry Co., Mansfield, Mass.
Shields-Geise Lumber Co., Dawson, Ga.
Shields, J. H., doors, elevator gates, etc., Indian Hill av., Cincinnati, Ohio.
Shields, John & Sons, brick, Washington, Iowa.
Shields, L. H., canned goods, English, Ind.
Shields, Moses, Sons, stone producers, Nicholson, Pa.
Shields, R. J. (Trucks) 29 Broadway, New York.
Shields, W. S. P., asphalt miners & refiners, Witherspoon bldg., Philadelphia, Pa.
Shiels & Co., Chas. F., McLean Ave., Cincinnati, O.
Shiely, J. L., Co., contrs., Flat Iron bldg., St. Paul, Minn.
Shiffer Bros., contractors, Stroudsburg, Pa.
Shilling Fdry. Co., Columbus, Ohio.
Shimer & Co. Inc., Bullitt Bl., Philadelphia, Pa.
Shimer & Sons, Sam'l J., Milton, Pa.
Shimer, J. R., Co., meat packers, Phillipsburg, N. J.
Shimp & Harris, canned goods, Canton, N. J.
Shimp, E., Co., canned goods, Hancock's Bridge, N. J.
Shingler, J. S., & Bros., turpentine, Colquitt, Ga.
Shingler, T. J., & Bros., turpentine, Donaldsonville, Ga.
Shinn-Holtz-Lyon Co., plbrs.' supplies, 2130 E. 7th, Los Angeles, Calif.
Shinn Mfg. Co., W. C., 154 Whiting St., Chicago.
Shinola Co., shoe blackening, Rochester, N. Y.
Ship Constr. & Trading Co., Inc., ship bldrs., Etonington, Conn.
Ship Island Lumber Co., Sanford, Miss.
Ship Lumber Mill Co., Tacoma, Wash.
Ship Owners Radio Service, batteries, 80 Washington, New York.
Shipbuilding Products Mfg. Co., 179 West St., New York.
Shipley Construction & Supply Co., ice & refrig. machines; ammonia conds. & fittings, etc., 42d & 2d avs., Brooklyn, N. Y.
Shipley Hardware Co., cornices & skylights, Lafayette, Ind.
Shipley Hdwe. Co., steam fitters' supplies, Meyersdale, Pa.
Shipley, J. W., harness, 508 Trade, Winston-Salem, N. C.
Shipley, W. E., Machy. Co., Morris bldg., Philadelphia, Pa.
Shipman, Geo., eyelet machs., West Bridgewater, Mass.
Shipman Mach. Co., models & machsts., 218 Summer, Boston, Mass.
Shipman Organ Co., High Point, N. C.
Shipman-Ward Mfg. Co., 4401-9 Ravenswood Ave., Chicago.
Shipman's, Asa L., Sons, loose leaf devices, 100 Chambers, New York.
Shipp, C. C., & Co., heating & ventilating apparatus, 212 Castle Hall, Indianapolis, Ind.
Shippen Bros. Lumber Co., Ellijay, Ga.
Shippers' Car Line, Inc., 165 Broadway, New York.
Shippey, Geo. W., contractor, Utica, N. Y.
Shippey, O. E., lumber, Lyle, Wash.
Shipway & Bro., J. H., Locust Ave. and 136th St., New York.
Shirer, John W., cornices, Braddock, Pa.
Shirk, A. G., machsts. & fndrs., Adamstown, Pa.
Shirk, P. E., machinist, Blue Ball, Pa.
Shirk Refrigerating Co., 210 N. Wabash av., Chicago, Ill.
Shirk, Samuel, & Son, wholesale hardware, Hanover, Pa.
Shirley, John E., & Son, contractors, Arlington Heights, Mass.
Shirley Lbr. Co., Shirley Mills, Me.
Shnable & Quinn, contractors, 30 N. La Salle, Chicago, Ill.
Shockley, J. C., lumber, West Union, S. C.
Shoe & Leather Reporter, trade publication, 166 Essex, Boston, Mass.
Shoe Retailer, trade publication, 166 Essex, Boston, Mass.
Shoe Swab Mfg. Co., 552 W. Lake St., Chicago.
Shoemaker & Co., Robert, 4th & Race St., Philadelphia, Pa.
Shoemaker, Benj. H., glass, 205 N. 4th, Philadelphia, Pa.
Shoemaker Coal Mining Co., bituminous, Real Estate Tr. Bldg., Philadelphia, Pa.
Shoemaker, C. H., Lumber Co., Ocean City, N. J.
Shoemaker, F. A., inspecting & testing engrs., 648 Wyoming av., Buffalo, N. Y.
Shoemaker, G. W., & Co., 804 Hamilton, Allentown, Pa.
Shoemaker, J. M., Son, lbr., Evergreen, Ala.
Shoemaker, Lewis F., & Co. (see Shoemaker-Satterthwait Bridge Co., successors).
Shoemaker, M. L., & Co., fertilizer mfrs., Venango & Del., Philadelphia, Pa.
Shoemaker, Marshall N., architects, 15 Central av., Newark, N. J.
Shoemaker, Robt., & Co., wood fillers, paints, etc., 4th & Race, Philadelphia, Pa.
Shoemaker, W. H., & Son, belting mfrs., 36 Vesey, New York.
Shoemaker's, J. B., Sons, packing box mfrs., Front & E., Philadelphia, Pa.
Shoen-Jackson Co., brass, bronze & aluminum castings, Water and Mifflin, Philadelphia, Pa.
Shoffner Bros., contrs., Norristown, Pa.
Sholder-Excel Mfg. Co., ammeters & voltmeters, Clyde, Ohio.
Sholl, Julius Co., contrs., 126 S. 9th, Minneapolis, Minn.
Shonberg, Inc., I., 122-126 Flushing Ave., Brooklyn, N. Y.
Shone Co., (Pumps) 1423 Dayton St., Chicago.
Shone Co., see Yeomans Bros. Co. (successor).
Shoninger, B., Co., organs & pianos, 511 Chapel, New Haven, Conn.
Shoninger Piano Co., Inc., 749 E. 135th, New York.
Shonk Works-American Can Co., Maywood, Ill.
Shook & Fletcher Supply Co., B-M Bldg., Birmingham, Ala.

SHOOP BRONZE CO., THE, Tarentum, Pa.

Shop Engineering & Sales Co., Knoxville, Tenn.
Shopbell, Clifford, & Co., architects, Furniture Bldg., Evansville, Ind.
Shope Brick Co., 470 E. 8th, Portland, Ore.
Shopp, W. A., & Co., pump governors, New Castle, Indiana.

SHORE INSTRUMENT & MFG. CO., scientific instrument mfrs., Jamaica, N. Y.

Shore Instrument & Mfg. Co., The, Van Wyck Ave. and Carll St., Jamaica, New York.
Shore, W. A., & Co., fertilizer, Baldwin, Ga.
Shores-Mueller Co., Cedar Rapids, Ia.
Shorey, D. C., Brick & Supply Co., 241 Walnut, Cincinnati, Ohio.
Short Creek Coal Co., 1st Natl. Bank Bldg., Pittsburgh, Pa.
Short Electrical Mfg. Corp., Penn Yan, N. Y.
Short, F., Co., contractors, Louisville, Ky.
Short, John H., & Sons, sash, door & blind mfrs., 5 Uhler, Baltimore, Md.
Short-Mynaugh Contracting Co., 26 N. DesPlaines St. Chicago.
Short, W. P., eyeglass frames & fittings, 103 Chestnut, Newark, N. J.
Shortsville Wheel Co., Shortville, N. Y.
Shotwell Mfg. Co., corn poppers, 3457 Potomac av., Chicago, Ill.
Shotwell Pump & Tank Co., oil storage systems, 21 N. Alabama, Indianapolis, Ind.
Showalter, S. C., & Son, canned goods, Troutville, Va.
Showell Mfg. Co., canned goods, Showell, Md.
Shower, Wm. H., machst. & fndr., Manchester, Md.
Showers Bros. Co., furniture, Dept. H., Bloomington, Ind.
Shoyer & Co., D. W., 394 Broadway, New York.
Shoyer, D. W., & Co., hammock mfrs., 394 B'way, New York.
Shrader Bros., contractors, Louisville, Ky.
Shranger & Johnson, Atlantic, Ia.
Shredded Wheat Co., Niagara Falls, N. Y.
Shreffler, S., carriages, Shelby, Ohio.
Shreve, Crump & Low Co., 147 Tremont, Boston, Mass.
Shreve, W. A., & Co., masons' & bldrs.' matls., Bordentown, N. J.
Shreveport Brick & Tile Co., Shreveport, La.
Shreveport Blow Pipe & Sheet Iron Wks., Shreveport, La.
Shreveport Creosoting Co., Louisville, Ky.
Shreveport Fertilizer Works, Shreveport, La.
Shreveport Long Leaf Lumber Co., Shreveport, La.
Shreveport Mattress Co., Shreveport, La.
Shreveport Saddlery Co., Shreveport, La.
Shrewsbury, H. H., lumber, Sedro Woolley, Wash.
Shriver & Co., T., Hamilton St. & Franklin Ave., Harrison, N. J.
Shriver, B. F., Co., canned goods, Westminster, Md.
Shroeder Paint & Glass Co., 119 Cadillac sq., Detroit, Mich.
Shrum, Andrew L., Co., contrs., Clarksburg, W. Va.
Shryock, J. K., see Dyson Paper Board Co. (successors).
Shucker & Shindel, soap, Lebanon, Pa.
Shuff, Sam, furn., 935H Bedford av., Brooklyn, N. Y.
Shugers Mfg. Co., auto tops, Los Angeles, Calif.
Shuholm Co., contrs., 2421 Sandy, Portland, Ore.
Shuler & Benninghofen, blankets, etc., Hamilton, Ohio.
Shuler, W. S., Spring Co., Amsterdam, N. Y.
Shull-Bahls Hdwe. Co., see Bahls, H. M., Hdwe. Co. (successors).
Shull Boltless Clamp Corp., Niagara Falls, N. Y.
Shull Co., switchboard, Conduit rd. & Eliot, N. W., Washington, D. C.
Shull, J. & W. C., sash, door & blind dealers, Adrian, Minn.
Shull Lumber & Shingle Co., 909 White Bldg., Seattle, Wash.

Shults, H. H., Co., post office equipments, Gowanda, N. Y.
Shultz Belting Co., 2400 4th St., St. Louis, Mo.
Shultz-Goodwin Co., silk tassels, 50 Lincoln, Boston, Mass.
Shuman, C. F., cornices & skylights, 1806 S. Boulevard, Charlotte, N. C.
Shuman, I. J., machsts., Rockland, Me.

SHUMAN-HAWS ADVTG. AGCY., 230 E. Ohio St., Chicago.

Shuman Co., The Frank G., 214 N. Clinton St., Chicago.
Shumway, C. W., & Son, machsts. & fndrs., Batavia, Ill.
Shundel, Rohrer & Co., whol. hdwe., 28H S. Potomac av., Hagerstown, Md.
Shunk Mfg. Co., plow beams, steel shapes, dump bodies, Bucyrus, Ohio.
Shunk Plow Co., Bucyrus, O.
Shupp, Homer, wagon spokes, Effort, Pa.
Shurlox Awning & Shade Co., 561 W. Monroe St. Chicago.
Shurtleff, Arthur A., landscape arch., 11 Beacon, Boston, Mass.

SHUSTER CO., F. B., Cedar Hills, New Haven, Conn.

Shuster Engineering Corp., 730 Pennsylvania Ave., Philadelphia, Pa.
Shuster Plumbing Supply Co., Franklin & Willow, Philadelphia, Pa.
Shutes & Zinek, contrs., 207 Wilhoit Bldg., Stockton, Calif.
Shuttle Mach. Co., 18 E. 17th, New York.
Shuttleworth, Edwin, Co., stone prod., Vernon av., Long Island City, N. Y.
Shuttleworth, Keiller & Co., paper bags, folding boxes, 220 W. Broadway, New York.
Shuttuck, Edinger, Co., contrs., March-Strong Bldg., Los Angeles, Cal.
Shwab Bros. Co., 811 E. 9th St., New York.
Shwayder Trunk Mfg. Co., 1553 Platte, Denver, Colo.
Sias & Son, contrs., Dept. H., Oak Park, Ill.
Sibbel, Jos., marble altars, 214 E. 26th, New York.
Sibbet Co., overalls, cotton waste & wipers, 550 Poplar, Oakland, Calif.
Sibbett Fdy. & Iron Wks., Wichita, Kan.
Sibert & Robinson, contrs., Augusta, Ga.
Sibley Coll. of Engn., engng. schools & coll., Ithaca, N. Y.
Sibley, E. L., Mfg. Co., machsts., Bennington, Vt.
Sibley, Ernest, Licht L. C., Hacker & Hacker Associated, architects, Edgewood Lane & Bluff rd., Palisade, N. J.
Sibley Hardware Co., South Bend, Ind.
Sibley, J. B., & Son, mill & facty. supplies, Ware, Mass.
Sibley, J. E., & Son, contrs., Antioch, Ill.
Sibley Lumber Co., F. M., 70 Kerchvil Ave., Detroit.

SIBLEY MACHINE CO., drilling machine mfrs., 70 Tutt, South Bend, Ind.

Sibley-Pitman Electric Corp., 190 6th Ave., New York.
Sibley Machine Co., South Bend, Ind.
Sibley Mfg. Co., E. L., Bennington, Vt.
Sibley Scythe Co., North Newport, N. H.
Sibley Soap Co., Franklin, Pa.
Sibley Stove Co., fndrs., South Bend, Ind.
Sibley Upright Drill Co., drilling machy., South Bend, Ind.
Sibly Mfg. Co., cotton duck & canvas, Augusta, Ga.
Sicilian Asphalt Paving Co., 41 Park Row, New York.
Sickels & Preston Co., wholesale hdwe., Davenport, Ia.
Sickels, H. P., Co., contractors, Rochester, N. Y.
Sickels-Loden Co., wholesale hdwe., 56 Murray, N. Y.
Sicking, Barnard, machsts., 1931 Freeman av., Cincinnati, Ohio.
Sickles, J. B., Saddlery Co., 2100 Washington, St. Louis, Mo.
Sicklesteel Lumber Co., 220 Forman av., Detroit, Mich.
Sickless-Loder Co., (Cont. Hdwe.) 56 Murray St., New York.
Sidbury Lumber Co., Corpus Christi, Tex.
Siddons Co., Jno., 63 N. Water St., Rochester, N. Y.
Sider, H., & Son, corn brooms, 1311 Blue Island av., Chicago, Ill.
Sidmar, Inc., cotton webbing, Chelsea, Mass.
Side Weight Horse Shoe Co., Hartford, Conn.
Sidebotham, Inc., John, 4317 Griscom St., Philadelphia, Pa.
Sidio Co. of America, Inc., The, 37-39 Murray St., New York.
Sidney Elevator Mfg. Co., Sidney, O.
Sidney Grain Machy. Co., Sidney, Ohio.
Sidney Machine Tool Co., Sidney, O.
Sidney Spec. & Nov. Co., window screens, Sidney, N. Y.
Sidney Steel Scraper Co., Sidney, O.
Sidney Tanning Co., Sidney, Ohio.
Sidway Mercantile Co., Elkhart, Ind.
Sidwell, C. W., & Son, machsts. & fndrs., Delta, Pa.
Sieber Products Mfg. Co., 4000 Laclede, St. Louis, Mo.
Siebel, J. E., & Sons Co., chemists, 962 Montana, Chicago, Ill.
Sieber, F. C., soap, Harrisburg, Pa.
Siebold, J. H., & G. B., printing inks, bronze powders, 21 W. Houston, New York.
Siedhoff, Geo. H., Construction Co., Finance Bldg., Kansas City, Mo.
Siefert, Aug., Hardware Co., cornices & skylights, Reedsburg, Wis.
Sieg Company, Davenport, Ia.
Sieg, John A., brick, tile, drain, Marshalltown, Ia.
Siegel, Rothschild & Co., umbrella mfrs., Howard & W. Baltimore, Baltimore, Md.
Sieger & Son Mfg. Co., roofing slate mfrs., Slatington, Pa.
Siegert, Wm. C. (Stat'r), 144 Pearl St., New York.
Siegle, G., Co., color mfrs. & imptrs., red oil, Rosebank, N. Y.
Siegler & Son, Wm., Chicago (Now Clamp Nail Co.)
Siemer Milling Co., flour, Teutopolis, Ill.
Siemon & Elting, color mfrs., 99 Nassau, New York.
Siemon Hard Rubber Corp., Bridgeport, Conn.
Siemund-Wenzel Elec. Welding Co., 29 Broadway, New York.
Siems & Carlson, contrs., Realty Bldg., Spokane, Wash.
Siems-Carey Co., bldg. contrs., Ger. Life Bldg., St. Paul, Minn.
Siems-Stembel Co., 2600 Como Ave., St. Paul, Minn.
Sier-Bath Co., 143 W. 54th St., New York.
Sierer, J., Sons, furniture, Dept. H., Chambersburg, Pa.
Sierra Aircraft Co., The, Pasadena, Cal.
Sierra Magnesite Co., Balfour Bldg., San Francisco, Calif.
Sierra Oil & Refining Co., Oxnard, Calif.
Siesel, S. M., Co., arch'tl engnrs. & contrs., 160 Ogden av., Milwaukee, Wis.
Siess, A. C., cornices, Dobbs Ferry, N. Y.
Siever Hardware Co., Keyser, W. Va.
Sievering, Philip, 402-412 Broome St., New York.
Sieverkropp Engine Co., Inc., Racine, Wis.
Sievert, Chas. W., flanging machines, 710 N. Main, Los Angeles, Calif.
Sievert Oil Burner Co., 710 N. Main, Los Angeles, Calif.
Sievert Torch Co., blow torches, 15 Beacon, Boston, Mass.
Siewers, Richard A., lumber mfrs., contr., 604 W. Canal, Richmond, Va.
Siewert-Colleson Co., contrs., 3865 Meliske av., Chicago, Ill.
Siewirt, Albert, general contr., Salem, Ore.
Sife Products Co., 1120 E. 7th St., St. Paul, Minn.
Sightler, L. H., turpentine, Andalusia, Ala.
Sigler, Wm. T., sash, door & blind mfr., Luke, Md.
Sigley, Wm. H., gasoline funnels, Sylvan Grove, Kan.
Sigman Furniture Mfg. Co., mattresses, Chickasha, Okla.
Sigman, M. L., cooperage stock, Monticello, Ark.
Sign Ad. Co., Geneva, N. Y.
Sign-O-Graph Mfg. Co., electric illuminated signs, 1400 S. Michigan av., Chicago, Ill.
Signal & Control Co., whistles, 139 Charles, New York.
Signal Accessories Corporation, Utica, N. Y.
Signal Const. Co., 562 Broadway, Albany, N. Y.
Signal Electric Mfg. Co., Menominee, Mich.
Signal Engineering & Mfg. Co., 533 Canal St., New York.
Signal Truck, 2629 Conners Ave., Detroit, Mich.
Signode System, Inc., (Now Consolidated Steel Strap Co.) Chicago.
Signor Tie Co., Ltd., Geo. W., Shreveport, La.
Sigourney Tool Co., 9 Sigourney Ave., Hartford, Conn.
Sigurd, C. T., McKee rd. and Capitol, San Jose, Calif.
Sigwalt & Rolston Machine Works, Inc., 1312 Sheffield St., Pittsburgh, Pa.
Sigwalt Mfg. Co., 3658 Armitage Ave., Chicago.
Sigwalt Mfg. Co., Utica, N. Y.
Sikes Chair Co., 500 Clinton St., Buffalo, N. Y.
Sikes Co., S. R., 1030 S. 3rd St., Minneapolis, Minn.
Sikes Company, The, 23d & Passynk, Philadelphia, Pa.

SIKES, FRANKLIN V., 124 White St., New York.

Sikes Hay Press Co., Ocilla, Ga.
Silberberg, M. J., Co., watches & time recorders, 120 S. Michigan av., Chicago, Ill.
Silberman & Co., S., 1829 Merwin Ave., Cleveland, O
Silberman, G. L., & Co., non-ferrous metals, 2418-2440 Broadway, Cleveland, Ohio.
Silberman, Morris, & Son, scrap iron & steel, 2418 Broadway, Cleveland, Ohio.
Silberstein, A. L., cutlery & razor mfrs., 600 W. 157th, New York.
Silent Hoist Co., The, Stone Ave. & McDougal St., Brooklyn, N. Y.
Silent Watchman Corp., time recording locks, 505H W. 42d, New York.
Siler City Milling Co., Siler City, N. C.
Siler Mill Co., Raymond, Wash.
Siletz Lumber & Logging Co., see Cobbs & Mitchell Co. (successor).
Silex Co. of Mass., filters & percolators, 926 Eastern av., Boston, Mass.
Silica Brick & Clay Co., Denver, Colo.
Silica Brick & Eng'g. Co., The, 400 N. Michigan Ave., Chicago.
Silica Enamel Sign Co., 128-34 Sidney, St. Louis, Mo.
Silica Gel. Corp., The, Garrett Bldg., Baltimore, Md.
Silica Glass Sand Co., 408 Fitzsimmons Bldg., Pittsburgh, Pa.
Silican Products Co., sand producers, Lancaster, Pa.
Sill Stove Wks. 524 Oak St., Rochester, N. Y.
Sillcocks, Miller Co., The, South Orange, N. J.
Sillers Brothers, Sacramento, Cal.
Silliman & Godfrey Co., 133 Admiral St., Bridgeport, Conn.
Silo Specialty Mfg. Co., Clinton, Ia.
Silsby Stove & Queensware Co., fndrs., Springfield, Mo.
Silumite Products Corp., 1410 Morris Bldg., Philadelphia, Pa.
Silvel Metal Mfg. Co., Inc., 21 E. 40th St., New York.
Silver & Co., silverware, 304 Hewes, Brooklyn, N. Y.
Silver & Son, Hugh, Ogdensburg, N. Y.
Silver Aluminum Metal Co., castings, 294 Taaffe pl., Brooklyn, N. Y.
Silver Beach Shingle Co., lumber, Bellingham, Wash.
Silver, C. B., canned goods, Havre de Grace, Md.
Silver Carriage Co., Oneida, N. Y.
Silver-Chamberlin Co., brushes, Clayton, N. J.
Silver City Cut Glass Co., Meriden, Conn.
Silver Constr. Co., 411 E. 8th, New York.
Silver Creek Colliery Co., Monmouth, Ill.
Silver Crown Disk Co., 1457 Broadway, New York.
Silver Falls Timber Co., Northwestern Bank Bldg., Portland, Ore.
Silver Falls Timber Co., Silverton, Ore.
Silver, Geo. O., canned goods, Havre de Grace, Md.
Silver Lake Co. (Cord), Newtonville, Mass.
Silver Lake Mfg. Co., lbr., Maplefalls, Wash.
Silver Lake Railway & Lumber Co., Castle Rock, Wash.
Silver Manufacturing Co., The, 260 Broadway, Salem, O.
Silver Plumbing Co., 1276 E. Slauson av., Los Angeles, Calif.
Silver State Electric Co., 222-15th St., Denver, Colo.
Silver, W. F., canned goods, Havre de Grace, Md.
Silverman, Brown & Heenan, architects, 51 Cornhill, Boston, Mass.
Silverman, H., & Co., scrap iron, 525 W. Van Buren st., Chicago, Ill.
Silvers Box Corp., Silvers Spur, Dallas, Tex.
Silverton Blow Pipe Co., 109H W. Main, Silverton, Ore.
Silverton Lbr. Co., Silverton, Ore.
Silvestro Co., elec. & gaslight fixtures, 4149 Park av., New York.
Sim, Geo., machsts., 421 S. Clinton, Chicago, Ill.
Simcox, Jos. H., fndrs., Cohoes, N. Y.
Sime, John, contrs., Springfield, Ill.
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Simmons-Gardner Co., wall finish, 146 Summer, Boston, Mass.
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Simmons Hdw. Co., now Winchester Simmons Co., New Haven, Conn.
Simmons, J. M., & Co., game boards, 530 S. Peoria, Chicago, Ill.
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Skinner Co., M. B., 562 Washington St., Chicago (Pipe Clamps, Saddles, Etc.)

SKINNER ENGINE CO., Erie, Pa.....Page 699

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Skinner, Thomas Co., ventilators & portable garages, 127 No. S. P., Portland, Me.
Skinner, W., & Son, glassware cut, Hammonton, N. J.

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Skoglund, Eric, stone producers, 5555 N. Lincoln av., Chicago, Ill.
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Skookum Lumber Co., Tenino, Wash.
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Skrainka Construction Co., Security Bldg., St. Louis, Mo.
Skuse Cooperage, Rochester, N. Y.

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Slack-Horner Brass Mfg. Co., 1638 Blake St., Denver, Colo.
Slack, James W., mill & fcty. supplies, 573 High, Fall River, Mass.
Slack Mfg. Co., Springfield, Vt.
Slack, S. Alex., auger bits, Oxford, Pa.
Slade Elev. Co., 1565 Park av., New York.
Slade, S. E., Lumber Co., 112 Market, San Francisco, Calif.
Slagel, C. W., & Son, canned goods, Davenport, Nebr.
Slaight, E. E., & Co., canned goods, Seaford, Va.
Slake Spec. Co. boiler tees, Rock Island, Ill.
Slakin, H. A., contrs., Elizabeth, N. J.
Slasor & Ginty, contrs., New Philadelphia, Ohio.
Slate River Milling Co., flour, Slate River Mills, Va.
Slater & Williams, Inc., power transmitting machy. & hinges, 301 Clay, Oakland, Calif.
Slater Construction Co., O. A., Pontiac, Mich.
Slater, Jas. H., & Son, contractors, Poughkeseple, N. Y.
Slater, Robt., felt mills, Pompton Lakes, N. J.
Slater, S., & Sons, woolen carriage cloth, Webster, Mass.
Slater, W. A., Mills, cotton thread, Jewett City, Conn.
Slate's Sons, George, Williamsport, Pa.
Slatington-Bangor Slate Syndicate, Inc., The, Slatington, Pa.
Slatington Fdry. Mach. & Boiler Wks., Slatington, Pa.
Slatington Iron & Steel Co., Woolworth Bldg., 233 Broadway, New York.
Slatington Slate Co., Slatington, Pa.
Slatmyer, Henry G., & Son Constr. Co., 203 Lakeside av. N. W., Cleveland, Ohio.
Slattery, J. B., & Bros., gas stoves, 118 Lawrence, Brooklyn, N. Y.
Slauf Mfg. Co., wood turners, 1820 S. Lafayette st., Chicago, Ill.
Slaughter, Guy L., & Co., 210 California, San Francisco, Calif.
Slaughter, G. W. & A. J., brick, Murray, Ky.
Slaughter, Wm. E., Co., electric curlers, heating pads & hair dryers, etc., 1716 S. Michigan av., Chicago, Ill.
Slawson, A. F. whol., De Soto, Mo.
Slaymaker & Co., S. E., (Lbr.) 200-5th Ave., New York.
Slaymaker Lock Co., Lancaster, Pa. (Now Frain-Slaymaker Hardware Co., Inc.)
Slaysman & Co., 801 E. Pratt St., Baltimore, Md.
Slazenger, Frank L., golf balls, tennis racquet mfrs., 12 E. 43d, New York.
Sledge & Barkley Co., mill & fcty. supplies, Lawrenceville, Va.
Sleeper & Company, Inc., O. S., 710 White Bldg., Buffalo, N. Y.

SLEEPER & HARTLEY, INC., 335 Chandler, Worcester, Mass.
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Sweden & Finland—Aktiebolaget, Rylander & Asplund, Stockholm.
Italy—Messrs. Henry Coe & Clerici, via Settembrini 11, Milan.
Australia & New Zealand—Messrs. Edwin Wood, Pty., Ltd., 231 Elizabeth, Melbourne.
Switzerland—Robert Aebi & Co., Zurich.
Japan—Andrews & George Company, Central P. O. Box F-23, Tokyo, & 30 Church, New York.
New York City—50 Church.

Sleeper Bros., cornices & skylights, Rockland, Me.
Sleeper, Fred L., gold paint, 1510 Diversey pkwy., Chicago, Ill.
Sleeper, W. P., granite, South Thomaston, Me.
Sleepwell Mattress Co., 5226 Romaine av., Los Angeles, Calif.
Sleight Metallic Ink Co., 538 N. 3d, Philadelphia, Pa.
Slems-Carey Co., contractors, German Life Bldg., St. Paul, Minn.
Slessman & Sons, canned goods, Clyde, Ohio.
Slidell Dry Dock & Shipbuilding Co., Slidell, La.
Slifer Packing Co., meat packers, Hamilton, Ohio.
Sliger, Thos., lbr., 1st & 3d av., Huntington, W. Va.
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Sligo Iron & Steel Co., 42 Broadway, New York.
Sligo Iron Store Co., Sixth & O'Fallon Sts., St. Louis, Mo.
Slipper City Wood Heel Co., Haverhill, Mass.
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Sloan & Co., Samuel, 67 Exchange St., Rochester, N. Y.
Sloan & Russel, Inc., stearate, 198 Broadway, New York.
Sloan & Zook, 101 Main St., Bradford, Pa.
Sloan, Clifton B., 321 E. 11th, Kansas City, Mo.
Sloan Valve Co., 4300 W. Lake St., Chicago.
Sloane & Moller, interior hardwood wk., 316 E. 65th, New York.
Sloane, W. & J., artificial leather, etc., Dept. H, 5th & 47th, New York.
Sloat Lumber Co., see Murphy, F. S., Lumber Co. (successor).
Slocomb & Co., Inc., F. F., 14th & Poplar Sts., Wilmington, Del.
Slocomb Co., J. T., Div. of Union Twist Drill Co., 35 Oxford St., Providence, R. I.
Sloctemuer, Edw., 3113 Phillips av., Cincinnati, Ohio.
Slocum & Kilburn, mill & facty. supplies, 23 No. Water, New Bedford, Mass.
Slocum, Wm. H., Co., machsts., Pawtucket, R. I.
Sloss & Brittain, whol. hdwe., N. W. cor. 10th & Howard sts., San Francisco, Calif.
Sloss-Sheffield Steel & Iron Co., Birmingham, Ala.
Sloss, Wm. J., & Son, masons' & bldrs.' matls., Big Rapids, Mich.
Slusky, David, & Son, cornices & skylights, Augusta, Ga.
Slusser-McLean Scraper Co., Sidney, O.
Slutter, L. L., lumber, Bartonsville, Pa.
Sly Mfg. Co., W. W., 4700 Train Ave., Cleveland, O.
Slyter & Eckerson, lbr., Canby, Ore.
Small, A. T., Brick Co., concrete roofing tile, Macon, Ga.
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Small Company, William, 212 Meridian Life Bldg., Indianapolis, Ind.
Small, F., & Son, cornices, Moravia, N. Y.
Small, Simon, & Sons Co., contractors, Mansfield, Ohio.
Small, W. E., machinist, Los Angeles, Calif.
Small, W. E., Spoke Mfg. Co., Corinth, Miss.
Small, W. H., & Son, contrs., Aitkin, Minn.
Smalley-General Co., machsts., Bay City, Mich.
Smalley, H. C., Granite Co., Quincy, Mass.
Smalley, Hobbs & Hunter, granite, Rochester, N. H.
Smalley Mfg. Co., Manitowoc, Wis.
Smalley Stone Co., Plainfield, N. J.
Smalling's, R. H., Sons, contrs., Macon, Ga.
Smallman-Brice Construction Co., contractors, 1115 av. E., Birmingham, Ala.
Smallwood, L. C., Contracting Co., James Bldg., Chattanooga, Tenn.
Smallwood Mfg. Co., W. R., Gowanda, N. Y.
Smart Addressing Machine Corp., (Now Federal Addressing Machine Co.) Buffalo, N. Y.
Smart, George B., & Co., mill & factory supplies & cornices, Lawrence, Mass.
Smathers, J. L., & Sons, furn., Dept. H, Asheville, N. C.
Smarts Wood Novelty Works, H. G., St. Cloud, Minn
Smead Mfg. Co., Hastings, Minn.
Smeallie & Voorhees, lining paper, Amsterdam, N. Y.
Smedley & Hoopes, contrs., West Chester, Pa.
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Smethport Glass Co., Smethport, Pa.

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Smiley, J. L., & Co., canned goods, Blaine, Wash.
Smiley, J. W., & Co., canned goods, Buchanan, Va.
Smiley Sand Co., Atlanta, Ga.
Smillie, Edw. S., landscape architect, 394 Central, Newton, Mass.
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Smith & Abbott Co., 72 Union St., Portland, Me.
Smith & Adams, Salt Lake City, Utah.
Smith & Anthony Co., steam htrs., 52 Union, Boston, Mass.
Smith & Bell, lbr., Decatur, Ind.
Smith & Brennan Pile Co., 400 N. 1st, St. Louis, Mo.
Smith & Brown Co., contractors, 128 N. La Salle, Chicago, Ill.
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Smith & Bros. Typewriter Co., L. C., 701 E. Washington St., Syracuse, N. Y.
Smith & Caffrey, 2611 Lodi St., Syracuse, N. Y.
Smith & Co., Albert C., Newburgh, N. Y.
Smith & Co., D. B., Utica, N. Y.
Smith & Co., E. L., Barre, Vt.
Smith & Co., E. M., Peoria, Ill.
Smith & Co., Edward, Long Island City, N. Y.
Smith & Co., F. P., Elmwood & Cliffton Aves., Sharon Hill, Pa.
Smith & Co., Inc., Geo. W., 49th & Botanic Ave., Philadelphia, Pa.
Smith & Co., H. B., Hanover, Me.
Smith & Co., H. D., Plantsville, Conn.
Smith & Co., J. Lee, 19 Jacob St., New York.
Smith & Co., Jos. N., 2461 E. Grand Blvd., Detroit, Mich.
Smith & Crosby, collar button, Attleboro, Mass.
Smith & Daudt, machsts., Jersey City, N. J.
Smith & Davis Mfg. Co., spring beds, hospital furn., etc., 20th & Locust, St. Louis, Mo.
Smith & Dove Mfg. Co., Andover, Mass.
Smith & Duckworth, sashes, doors & blinds, Crawfordsville, Ind.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Smith & Fairbush Machine Co., Philadelphia, Pa. (now Proctor & Schwartz, Inc.)
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Smith & Johnson Mfg. Co., 2025 Elm St., Cincinnati, O.
Smith & Jones, mattresses, 216 E. 37th, New York.
Smith & Langmaid, machsts., 5 Central Whf., Portland, Me.
Smith & Leo, Inc., contrs., 101 Park av., New York.
Smith & Lovett Co., machsts. & fndrs., 135 Tyler, Boston, Mass.
Smith & McCrorken, Inc., whol. hdwe., 411 E. 18th, New York.
Smith & McKinney Hardware Co., Clifton Forge, Va.
Smith & Mills Co., 2889 Spring Grove Ave., Cincinnati, O.

SMITH & NICHOLS, 121 Maiden Lane, New York.

Smith & Nixon Mfg. Co., pianos, 126 W. 4th, Cincinnati, Ohio.
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Smith, A. B., Lumber Co., ties, poles & posts, Old Colony Bldg., Chicago, Ill., & Paducah, Ky.
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Smith, A. L., Iron Works, archtl., ornamental, cast iron & wire work, Chelsea, Mass.
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Smith, Abe, mill, fcty. & plumbers' supplies, jobbers, Paterson, N. J.
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Smith, Alfred, Ltd., iron oxides, china clays & sulphuret of antimony, 15 E. 26th, New York.
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Smith, Arthur E., steel constr. wk., Plainfield, N. J.
Smith, Arthur F., Co., contrs., tents, etc., 141 Spring, New York.
Smith, Arthur L., & Co., contractors, 1416 Cobb rd., N. W., Washington, D. C.
Smith, Asa, & Son, contractors, Easton, Pa.
Smith, Barnes & Strohber Co., pianos, 1872 Clybourn av., Chicago, Ill.
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Smith, Benj. F., Co., dye tubs & woodtanks contr., Pawtucket, R. I.
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Smith Box & Lbr. Co., 72 Depot, Manchester, N. H.
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Smith Bros. & Co., fertilizer, Bartow, Ga.
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Smith Bros. Bedding Co., mattresses, Ogden, Utah.
Smith Bros. Hardware Co., The, 38 W. Chesterton St., Columbus, O.
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Smith, C. C., Boat & Engine Co., ship bldrs., Algonac, Mich.
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Smith, C. H., & Co., machsts., 46 Irvington, Springfield, Mass.
Smith, C. W., Cooper Wks., 16 Washington, San Francisco, Calif.
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Smith, Cicero, Lumber Co., Fort Worth, Tex.
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Smith, E. M., & Co., machsts., Peoria, Ill.
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Smith, Emery, & Co., testing laboratories, 651 Howard San Francisco, Calif.
SMITH ENGINEERING WORKS, 3191 Locust, Milwaukee, Wis.
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Smith, F. G., pianos & cases, 115 B'way, New York.
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Smith-Fay Lbr. Co., Burnsville, Miss.
Smith Fence & Iron Co., Waynesboro, Pa.
Smith, G. B. R., Milling Co., flour, Sherman, Tex.
Smith, G. J., Jr., elec. contr., Milford, Conn.
Smith, G. W., & Son, hockey sticks & fish net hoops, Canterbury, Conn.
SMITH GAS ENGINEERING CO., THE (mfrs. of clean gas producers, hand and mechanically operated), Davton, Ohio.
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Smith, Geo. E., cotton, woolen & worsted machy., Cohoes, N. Y.
Smith, Geo. F., mill & facty. supplies, Franklin & Channing, St. Louis, Mo.
Smith, Geo. H., Steel Casting Co., 500 Clinton, Milwaukee, Wis.
Smith Glass Co., L. E., Mt. Pleasant, Pa.
Smith Granite Co., Westerly, R. I.
Smith, Grant & Co., contrs., Regal & S. F. N. Trks., Spokane, Wash.
Smith Green Co., masons' matls., 25H Foster, Worcester, Mass.
Smith-Grubbs Co., masons' mtls., 8th & Vine, Riverside, Calif.
Smith, Gus A., contrs., Bedford, Ind.
Smith, H. B., & Co., dowels, Hanover, Me.
Smith, H. B., & Co., hdwe. mfrs. (carriage), tools—pincers, wrenches, etc., Plantsville, Conn.
Smith, H. B., Mach. Co., machsts. & fndrs., Smithville, N. J.
Smith, H. E., patent atty., 333 Riverside av., Spokane, Wash.
Smith, H. Lund, trunk racks & auto. turntables, Paterson, N. J.
Smith, H. P., & Co., stone producers, 23 Haverhill, Boston, Mass.
Smith-Harican Co., contractors, 1811 Callowhill, Philadelphia, Pa.
Smith Hardware & Mfg. Co., wire stretchers, De Kalb, Ill.
Smith Hardware Co., Frank F., 81 Clay St., Newark, N. J.
Smith, Hauser & MacIsaac, Inc., 18 E. 41st St., New York.
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Smith, Hugh M., & Son, contractors, Canandaigua, N. Y.
Smith, Hy., & Sons Co., contractors, German & Light, Baltimore, Md.
Smith, I., hdwe., 395 Hayes, San Francisco, Calif.
Smith, Ira A., machsts., Beverly, Mass.
Smith Iron Fndry. (Inc.), Lynn, Mass.
Smith, Isaac O., sash, door & blind mfrs., Monticello, N. Y.
Smith, J. Allen, & Co., flour mills, cr. Depot & Cen., Knoxville, Tenn.
Smith, J. B., handles (wood), Geneva, Ohio.
Smith, J. C., Co., carriages, 58 E. 20th, Chicago, Ill.
Smith, J. Colby, & Son, canned goods, Willow Grove, Del.
Smith, J., & Co., cornices, 2188 S. California av., Chicago, Ill.
Smith, J. E., & Co., sash, door & blind mfrs., 65 Benedict, Waterbury, Conn.
Smith, J. E., Cotton Mfg. Co., Thomson, Ga.
Smith, J. K., cornices & skylights, Evart, Mich.
Smith, J. M., & Fitzer, masons' & bldrs.' matls., Bucyrus, Ohio.
Smith, J. R., & Son Co., mill & factory supplies, Oneida, N. Y.
Smith, J. T., canned goods, Fawn Grove, Pa.
Smith, J. W., handles, Dept. H., Luxora, Ark.
Smith, J. W., smoking pipes, Town of Union, N. J.
Smith, J. Wentworth, contractors, 10585 Quincy av., Cleveland, Ohio.
Smith, Jas., & Co., mill & facty. supplies, Harrison Bldg., Philadelphia, Pa.
Smith, James M., Co., machsts. & fndrs., Seymour, Conn.
Smith, James, & Son, grease bags, dog collars, etc., 40 Franklin av., Brooklyn, N. Y.
Smith, Jas., & Son, wool combs, 982 Southbridge, Worcester, Mass.
Smith, Jas., Woolen Machy. Co., see Proctor & Schwartz, Inc., (successors).
Smith, John B., & Co., mill & facty. supplies, Lewiston, Me.
Smith, Jno. D., Co., heating contractors, 285 Ellicott sq., Buffalo, N. Y.
Smith, Jno. E., stone producers, Detroit, Mich.
Smith, John H., Co., contractors, Lawrence, N. Y.
Smith, John P., steam htg. contr., 148 N. 7th, Phila., Pa.
Smith, John P., & Co., wire goods mfrs., New Haven, Conn.
Smith, Jno. R., stone, 421 E. 103d, New York.
Smith, Joseph S., fndrs., East Waterford, Pa.
Smith, Jos., & Co., buckwheat flour, Stockton, N. J.
Smith, Keff A., Exchange Bldg., Memphis, Tenn.
Smith, Kinney Co., overalls, Binghamton, N. Y.
Smith, Kline, French & Co., 105 N. 5th St., Philadelphia, Pa.
Smith, L., Iron & Steel Co., fire escapes, iron railings & machsts., W. 15th, Jacksonville, Fla.
Smith, Co., L. C., Inc., 156 Fairfield, Bridgeport, Conn.
Smith, L. E., cornices & skylights, Rockport, Mass.
Smith, L. E., & Bro., flour mills, Appomattox, Va.
Smith, L. E., Co., Inc., mill & factory supplies, Gloucester, Mass.
Smith, L. E., Glass Co., Mount Pleasant, Pa.
Smith, L. J., egg cases, Eaton Rapids, Mich.
Smith, L. M., & Sons, patent leather, 15 Arch, Newark, N. J.
Smith Laboratory, chemists, Mt. Pleasant, Tenn.
Smith, Lee J., Const. Co., Providence rd., Charlotte, N. C.
Smith, Levi, Refining Co., lubrg. oils, North Clarendon, Pa.
Smith Locomotive Adjustable Hub Plate Co., The 28 E. Jackson Blvd., Chicago.
Smith Lumber Co., A. B., Paducah, Ky.
Smith Lumber Co., Jay, Birmingham, Ala.
Smith Lumber Co., Meadville, Pa.
Smith Lumber Co., W. T., Chapman, Ala.
Smith, M. B., furn., Dept. H., Burlington, N. C.
Smith, M. C., hoops—coiled elm, Moorhead, Miss.
Smith, M. R., Lumber & Shingle Co., R. A. Long Bldg., Kansas City, Mo.
Smith, McCormack Co., contractors, Easton, Pa.
SMITH, McCRARY ADVTG. AGENCY, Racine, Wis.
Smith Mach. Co., H. B., Smithville, N. J.
Smith Machinery Co., Inc., The, H. A., 301 E. Water St., Syracuse, N. Y.
Smith Mailer Co., special machy., 743 N. Main, Los Angeles, Calif.

Smith, Manuing J., Belting Co., cotton, Church & Lena Gtn., Philadelphia, Pa.
Smith Mfg. Co., C. F. De Kalb, Ill.
Smith Mfg. Co., Dalton, Ga.
Smith Mfg. Co., E. C., 429 W. Superior St., Chicago.
Smith Mfg. Co., F. H., 3047 Carroll Ave., Chicago.
Smith Mfg. Co., Hartford, Conn.
Smith Mfg. Co., Inc., F. A., 185 N. Water St., Rochester, N. Y.
Smith Mfg. Co., J. O., Middletown, Conn.
Smith Mfg. Co., La Crosse, Wis.
Smith Mfg. Co., overalls, Durham, N. C.
Smith Mfg. Co., Inc., canners' machy., Stockton & Alameda, San Jose, Calif.
Smith Mfg. Co., B. H., 369 Worthington St., Springfield, Mass.
Smith Mfg. Co., S. A., Brattleboro, Vt.
SMITH MFG. CO., THE A. P., Norman & Lawrence Sts., East Orange, N. J.
Pres.—D. F. O'Brien.
Secy. & Sales Mgr.—T. F. Halpin.
Treas. & Buyer—P. A. Smith.
Chicago—105 W. Monroe St.
Seattle, Wash.—2013 L. C. Smith Bldg., R. C. Polk.
Smith Mfg. Co., The Philip, Sidney, O.
Smith-Matthews Foundry Co., 6636 Charlevoix, Detroit, Mich.
Smith Mattress Co., Marion, Ohio.
Smith, Millard F., machinist, Parsons, Kans.
Smith Monumental Wks., Norwalk, Ohio.
Smith, N., & Co., stone renovators, 131 Columbus av., New York.
Smith, Nimmo & Co., machsts., McKeesport, Pa.
Smith Novotoy Electric, Inc., Charlotte, N. C.
Smith, O., & Sons Co., cotton batting & felts, C. & Clearfield, Philadelphia, Pa.
Smith Organ Co., North Tonawanda, N. Y.
Smith, Oscar, & Son, baled shavings, sawdust & chemical charcoal, Albany, N. Y.
Smith, Otis A., Rockfall, Conn.
Smith of New York Co., 350 Pearl St., New York.
Smith, P. A., Co., glass, 638 4th, San Francisco, Calif.
Smith, P. J., Co., boot & shoe counters, 40 Foster, Salem, Mass.
Smith, P., Mfg. Co., see Sidney Grain Machinery Co. (successor).
Smith Packing Co., meat, Colorado Springs, Colo.
Smith Paper Co., Lee, Mass.
Smith, Paul, fndrs., 564 W. Randolph, Chicago, Ill.
Smith-Perry Electric Co., 407 Commerce St., Dallas, Texas.
Smith, Peter, Heater Co., 6209 Hamilton, Detroit, Mich.
Smith, Philip, stone, 1st & B., S. W., Washington, D. C.
Smith-Phillips China Co., East Liverpool, O.
Smith-Premier Typewriter Co. See Remington Typewriter Co., 374 Broadway, New York.
Smith, R. M., bldg. contr., Sacramento, Calif.
Smith, R. R., Sons, contractors, Lewisville, Ind.
Smith, R. T., & Son, sashes, doors & blinds, Benton, Pa.
Smith, Raymond, elec. contr., Hazardville, Conn.
Smith Refining Co., Levi, North Clarendon, Pa.
Smith, Rice Co., contractors, 148 Spear, San Francisco, Calif.
Smith, Richardson Co., burnishing & polishing machines, Attleboro, Mass.
Smith, Robert D., & Co., leather, 317 Arch, Phila., Pa.
Smith, Robert F., Co., sanitary flooring, 433 Clementina, San Francisco, Calif.
Smith Rubber & Tire Co., Inc., Garfield, N. J.
Smith, Rudy, & Co., chemists, 411 Walnut, Philadelphia, Pa.
Smith, Rufus W., Co., fertilizer mfrs., Elmer, N. J.
Smith, S. A., contractor, Elgin, Ill.
Smith, S. C., landscape architect, 107 Westminster, Providence, R. I.
Smith, S. L., & Co., contractors, Wilkinsburg, Pa.
Smith, Sam'l, Machine Co., contr. & jobbing machsts., 620 Essex, Lawrence, Mass.
Smith Sash & Door Co., 175 Exchange St., Rochester, N. Y.
Smith Scale Co., 267 W. Spring, Columbus, Ohio.
Smith, Sela A., contractor, Gary, Ind.
Smith Sons Harness Co., 57 Terrace, Buffalo, N. Y.
Smith Sparks Co., contractors, Houghton, Mich.
Smith, S. T., Co., ribbons & carbons, 116 Duane, New York.
Smith Steel Casting Co., Geo. H., 500 Clinton St., Milwaukee, Wis.
Smith, Stuart S., & Co., machy. dlrs., 625 Market, San Francisco, Calif.
Smith System Heating Co., 212 S. E. Ontario, Minneapolis, Minn.
Smith, T. G., & Sons, wood mantels, Topeka, Kans.
Smith, T. J., turpentine, Nielly, Ga.
Smith, T. S., wire cloth, 269 Pearl, New York.
Smith Tablet Co., Holyoke, Mass.
Smith, Theo. H., 137 Spear st., San Francisco, Calif.
Smith, Theo., & Son, masons' & bldrs.' matls., Phillipsburg, Kans.
Smith, Theo., & Sons Co., machsts. & fndrs., ft. Essex, Jersey City, N. J.
Smith, Thos. C., stone prod., Stanley, New Britain, Conn.
Smith, Thos., J. D., glass benders, 65 Chambers, Newark, N. J.
Smith, Thos. W., plate glass, 1st c Ind. av., N. W., Wash., D. C.
Smith Tire Co., Utica, N. Y.
Smith Tool & Mfg. Co., R. G., 245 N. J. R. R. Ave., Newark, N. J.
Smith Turpentine Co., Green Cove Spring, Fla.
Smith Typewriter Sales Co., 360 E. Grand Ave., Chicago.
Smith, V. A., Co., heating boilers, 213 W. Lake, Chicago, Ill.
Smith, W., & Sons, machsts., Lawrence, Mass.
Smith, W. A., & Son, contractors, 188 Cannon, Bridgeport, Conn.
Smith, W. F., Co., contractors, Rensselaer, Ind.
Smith, W. Grubber Co., machinists, La Crescent, Minn.
Smith, W. H., Hardware Co., Parkersburg, W. Va.
Smith, W. P., flour, Efland, N. C.
Smith, W. L., Newburgh, N. Y.
Smith, W. R., machst., Gulfport, Miss.
Smith, W. T., Lumber Co., Chapman, Ala.
Smith-Wadsworth Hardware Co., Charlotte, N. C.
Smith-Ward Brake Co., Inc., 233 37th St., New York.
Smith-Watkins Co., mill & facty. supplies, Lexington, Ky.
Smith Wheel Inc., 100 N. Geddes St., Syracuse, N. Y.
Smith, Whitcomb & Cook Co., Barre, Vt.
Smith, Wm., & Co., brick, Middletown, Ohio.
Smith, Wm., & Son Co., stone producers, Ashtabula, Ohio.
Smith, Wm. A., cornices, Lima, Ohio.
Smith, Wm. (Est. of), carriages, Burlington, Vt.
Smith, Wm. M., lbr., Alpine, Pa.

Smith, Wilson Levering, architect, Calvert Bldg., Baltimore, Md.
Smith-Winchester Co., mill & facty. supplies—wholesale hdwe., Jackson, Mich.
Smith, Winfield H., (Machy), 10-16 Lock St., Buffalo, N. Y.

SMITH WIRE & IRON WORKS, F. P., 2340-2348 Clybourn Ave., Chicago.

Smith-Worthington Co., 40 Warren St., New York.
Smith, Worthington Co., horse collars & signy., Hartford, Conn.
Smith Yarn Mills, 83 Foster St., Worcester, Mass.
Smith-Yingling Co., canned goods, Westminster, Md.
Smith's Albert, Sons, ornamental iron, 73 N. J. R. R. av., Newark, N. J.
Smith's H., Sons, carriages, Manteno, Ill.
Smith's John E., Sons Co., butchers' machy. & supplies, Buffalo, N. Y.
Smith's, P., & Sons Lumber Co., Newark, Ohio.
Smith's, S. W., Son, contractors, White Plains, N. Y.
Smith's Sons Timber Co., W. T., Holt, Fla.
Smithe, F. L., Machine Co., Inc., envelope machy., 633 W. 44th, New York.
Smithe Machine Co., Inc., F. L., 12th Ave. & 44th St., New York.
Smither, Henry C., Roofing Co., 430 S. Meridian, Indianapolis, Ind.
Smithereen Co., liquid soap dispensers, 7417 Stoney Island av., Chicago, Ill.
Smithfield Brick & Tile Co., Smithfield, Utah.
Smithfield Packing Co., meat packers, Suffolk, Va.
Smithfield's Pure Food Co., canned goods, Clarkson, N. Y.
Smoak, J. W., machst. & fndr., Orangeburg, S. C.
Smoak, W. W., Black Mule Harness Co., 432 N. Main, Winston-Salem, N. C.
Smokeless Coal Stoker Co., 220 Marion, Seattle, Wash.
Smokeless Fuel Co., Charleston, W. Va.
Smoky Valley Roller Mills, Lindsborg, Kans.
Smolenky, M., Valve Co., 1931 W. 47th, Cleveland, O.
Smolensky Mfg. Co., M., 2108 Superior Viaduct, Cleveland, O.
Smolka, Edw., Plumbing Supply Co., Inc., 231 E. 33d, New York.
Smoot & Sheehan, contractors, Lynchburg, Va.
Smoot & Sons Co., C. C., Alexandria, Va.
Smoot Lbr. Co., Cowen, W. Va.
Smoot-Holman Co., enameled ware, Inglewood, Calif.
Smooth-On Mfg. Co., 527-47 Communipaw Ave., Jersey City, N. J.
Smouse, Thos. F., 36-37 Liberty Trust Bldg., Cumberland, Md.
Smucker, J. M., canned goods, Orville, Ohio.
Smyers, Geo. W., sash, door & blind, Dubois, Pa.
Smyser-Royer Co., York, Pa.
Smyth-Despard Co., Utica, N. Y.
Smyth Mfg. Co., book binders' machy., 9 Signy., Hartford, Conn.

SMYTH RUBBER & PACKING CO., mechanical rubber goods, 512 Mercer, Jersey City, N. J.

Smythe Co., J. L. N. (Paper) 200 5th Ave., New York.
Smythe Co., S. R., House Bldg., Pittsburgh, Pa.
Smythe, Donegan Co., 247 St. Marks Ave., Brooklyn, N. Y.
Smythe, James, Plumbing & Heating Co., S. 173 Post, Spokane, Wash.
Snap-On Wrench Co., Inc., 1270 S. Pierce St., Milwaukee, Wis.
Snapp Fdry. Co., Winchester, Va.
Snapp, W. L., carriages, Princeton, Ind.

SNAPPY MANUFACTURING COMPANY, 900 Railroad Ave., Harvard, Ill.
New York—11 Broadway.
Factory:
Galt, Canada.

Snare & Triest Co. (Now Frederick Snare Corp.), New York.
Snare Corp., Fred'k. (Contrs. & Engrs.) 114 Liberty St., New York.
Snead & Co., Iron Works, Inc., Foot of Pine St., Jersey City, N. J.
Snead Architectural Iron Works, 10th & Hill Sts., Louisville, Ky.
Snead, W. B., & Co., contractors, Lynchburg, Va.
Snead, W. J., Lbr. Co., Greenwood, S. C.
Sneath Glass Co., Hartford City, Ind.
Snedden Machine Works, spec. machy., 1972 S. Los Angeles, Los Angeles, Calif.
Sneddon, D. M., Co., bldg. contrs., 635 Wentworth av., Milwaukee, Wis.
Sneider Mfg. Co., furn., Dept. H., Logan, Ohio.
Snelbaker, W. B., stone producer, Woodbury, N. J.
Snell & Atherton, leather gauges, knives, tools, Brockton, Mass.
Snell & Son, John H., Hamburg, Pa.
Snell, C. R., & Sons Co., masons' & bldrs.' matls., Herkimer, N. Y.

SNELL CO., CHARLES W., 937-939 W. 47th St., Chicago.
Pres.—Charles W. Snell.
Secy. & Treas.—Freeman E. Brown.

Snell Manufactory Company, Fiskdale, Mass.
Snell Mill & Grain Co., Clay Center, Kans.
Snellex Mfg. Co., calipers & hdwe., Dept. H., Rochester, N. Y.
Snelling & Son, 225 34th St., Brooklyn, N. Y.
Sneyd Enameled Brick Co., Trenton, N. J.
Snider-Flautt Lumber Co., Somerset, Ohio.
Snider, J. J., Lumber Co., 1670 Snider, Columbus, O.
Snider Preserve Co., The T. A., 1018 S. Wabash Ave., Chicago.
Snohomish Dairy Products Co., canned goods, Snohomish, Wash.
Snohomish Iron Works, machsts. & fndrs., Snohomish, Wash.
Snook & Sons, sashes, doors & blinds, Ottumwa, Ia.
Snook & Traver, contractors, Salem, Ore.
Snook, Fredk. W., Co., 596 Clay st., San Francisco, Calif.
Snoqualmie Falls Lbr. Co., Snoqualmie Falls, Wash.
Snow & Company, Rockland, Me.
Snow & Co., Albert E., 253 Broadway, New York.
Snow & Co., E. W., 29 N. Water St., Rochester, N. Y.
Snow & Nealley Co., mill & facty. supplies, Bangor, Me.
Snow & Petrelli Mfg. Co., 152 Brewery St., New Haven, Conn.
Snow Co., Fred A. (Heat Testing) 1942 Kinzie St., Chicago.
Snow Company, I. L., Rockland, Me.

SNOW CONSTRUCTION CO., T. W., 332 S. LaSalle St., Chicago.
Pres.—T. W. Snow.
V. P.—George W. Brown.
Sec.—Victor L. Walker.
Treas.—Sears Crawford.

Snow Flake Canning Co., Brunswick, Me.
Snow, Franklin A., Co., window screens, 79 Milk, Boston, Mass.

SNOW-HOLLY WORKS, 115 Broadway, New York.

SnowIron Works, Inc., W. A., Portland St., Boston, Mass.
Snow, L. A., Co., contractors' tools & machinery, 910 1st av., S., Seattle, Wash.
Snow, L. D., Co., 1032 6th av. So., Seattle, Wash.
Snow Lbr. & Shingle Co., Littell, Wash.
Snow Lumber Co., High Point, N. C.
Snow, Melville E., mason contr., Norfolk, Conn.
Snow Mfg. Co., sluice gates & cement pipe machy., 2437 E. 24th, Los Angeles, Calif.
Snow, Sam'l E., bldg. contr., Lowell, Mass.
Snow Shoe Fire Brick Co., Snow Shoe, Pa.
Snow, T. W., Const. Co., ditcher & grader, & water columns, 332 S. LaSalle st., Chicago, Ill.
Snow, Tom, Heating & Roofing Co., cornices & skylights, 701 Cnut, Chattanooga, Tenn.
Snow, Walter B., & Staff, advertising counsellors, 60 High, Boston, Mass.
Snow Wire Wks. Co., Rochester, N. Y.
Snowden, A. L., & Bros., flour mills, Irvine, Ky.
Snowden Bros., machsts. & fndrs., Hughesville, Pa.
Snowville Milling Co., flour, Snowville, Va.
Snug Seat Co. of America, luncheon chairs & tables, 735 Herron av., Pittsburgh, Pa.
Snyder & Co., Hutchinson, Kans.
Snyder & Co., W. P., Oliver Bldg., Pittsburgh, Pa.
Snyder & Son, J. E., 119 Dewey St., Worcester, Mass.
Snyder & Son., M. L., 223 Church St., Philadelphia, Pa.
Snyder Bros., Knitting Mills, sweaters, etc., 8th & Howard, San Francisco, Calif.
Snyder, C. B. J., 505 5th Ave., New York.
Snyder, C. J., lumber, Millersburg, Pa.
Snyder Co., sashes, doors & blinds, Hutchinson, Kans.
Snyder Corp., S., 14 Mart Pl., Rochester, N. Y.
Snyder, D. D., & Co., carriages, Danville, Ill.
Snyder, E. C., sashes, doors & blinds, Harrisburg, Pa.
Snyder, E. F., slate laundry tubs, Slatington, Pa.
Snyder, Edw. H., front brick, Hanover, Pa.
Snyder, F. Edw., braces (screen doors), Massillon, Ohio.
Snyder Foundry Supply Co., 2434 E. 57th, Los Angeles, Calif.
Snyder, Frank Co., archl. iron, 115 9th, N. W., Washington, D. C.
Snyder-Gillett Contr. Co., Niagara Falls, N. Y.
Snyder, H. F., fndrs., Churchville, N. Y.
Snyder, H. P., Mfg. Co., machsts., Little Falls, N. Y.
Snyder, H. S. & M. W., Inc., leather, 65 South, Boston, Mass.
Snyder, Harry M., Roofing Co., cornices & skylights, 228 Sprague, Spokane, Wash.
Snyder-Hunt Co., Belle Plaine, Ia.
Snyder, Hy. J., lumber, Pottstown, Pa.
Snyder, J. W., Co., contractors, 166 S. Michigan av., Chicago, Ill.
Snyder, Louis B., cornices, Homestead, Pa.
Snyder Mfg. Co., stud drivers, 852 Lafayette blvd., W., Detroit, Mich.
Snyder, M. L., & Son, fire equipt. & rubber gds., 223 Church, Phila., Pa.
Snyder, Owen T., & Co., elevator safety devices, Columbus, O.
Snyder Roofing Co., Zanesville, Ohio.
Snyder, T. H., & Co., soap, 810 Broadway, Cincinnati, Ohio.
Snyder, Thos. L., machsts. & fndrs., Pillow, Pa.
Snyder, W. W., Mfg. Co., straw board, Cohoes, N. Y.
Snyder Wagon Co. Ltd., Shreveport, La.
Snyder, Wm. H., grain elevator builders, Carey, Ohio.
Snyder, Wm. H., Co., engravers' metal plates, 67 Spring, New York.
Snyders Sons Co., Inc., A. G., 925 S. Canal St., Pittsburgh, Pa.
Soapitor Co., Inc., 154 W. 14th St., New York.
Sobel & Kraus, cornices, 214 E. 127th, New York.
Sober, C. K., acct. gas machines, Lewisburg, Pa.
Sobey, Jas., lbr., Seattle, Wash.
Sobkowiak, Frank, masons' & bldrs.' matls., La Crosse, Wis.
Soble Lumber Co., Inc., Insurance Bldg., Rochester, N. Y.
Social Circle Mfg. Co., fertilizer, Social Circle, Ga.
Socola Rice Milling Co., 600 Decatur, New Orleans, La.
Sodemann Heat & Power Co., 2306 Morgan St., St. Louis, Mo.
Soden, J. R., flour, Emporia, Kans.
Soderberg, John L., contrs., Am. Bldrs. Exchange, Omaha, Neb.
Soderstrom, E., patterns & models, Wichita, Kans.
Sodiohene Company, The, 923-932 Central St., Kansas City Mo.
Sodus Canning Co., Sodus, N. Y.
Soeffing, Adolph, Co., whol. hdwe., 833 Arch, Philadelphia, Pa.
Sofe, James, tubular boilers, Olympia, Wash.
Sofransey & Co., H., 2 Allen St., Allentown, Pa.
Sohmer & Co., pianos, 31 W. 57th, New York.
Sohn, Dan'l, Mach. Co., Rochester, N. Y.
Sohst, John E. W., auto. repairs, 2720 B'way, Oakland, Calif.
Soiset Bros., sash, doors & blinds, Sioux City, Iowa.
Soisson Fire Brick Co., J., Connellsville, Pa.
Sokup, F. J., cornices, Grand Rapids, Mich.
Solano Iron Works, road scrapers, etc., Berkeley, Cal.
Solar Compounds Corp., Stockton, Newark, N. J.
Solar Electric Co., 124 W Lake St., Chicago.
Solar Illuminating Co., 718 W. Washington Blvd., Chicago.
Solar Light Co., 69 Wooster St., New York.
Solar Prism Co., prismatic glass mfrs., Cleveland, Ohio.
Solar Refining Co., petroleum, Lima, Ohio.
Solar-Sturges Mfg. Co., 828 W. Congress St., Chicago.
Solarine Co., 559-561 W. 33rd St., Chicago.
Solastic Products Co., Inc., 9th So. & Hanford, Seattle, Wash.
Solberg, A., Lumber Co., Blooming Prairie, Minn.
Solderall, G., Co., solder, etc., 127 Sussex av., Newark, N. J.
Soldwedel & Tattan, architects, 671 Lexington av., New York.
Solen Machine Co., Rockford, Ill.
Solidarity Watch Case Co., 242 Chestnut, Brooklyn, N. Y.
Solidhed Tack Co., 37 Murray St., New York.
Soller, John, & Son, contrs., Davenport, Ia.
Sollitt Sumner Co., contrs., El Paso, Texas.
Solmson Fly Screen Co., M., Bayard and Nanticoke Sts., Baltimore, Md.
Solomon-Hayes-Cowley Co., lbr., Oscoda, Mich.
Solomon, Jos., scrap iron, Beaver Falls, Pa.
Solomon, Moses, scrap iron, Beaver Falls, Pa.
Solomon Packing Co., canned goods, North Cove, Wash.
Solon Lbr. Co., Solon, Maine.
Solumbinum Mfg. & Engng. Co., aluminum solder mfrs., 130 W. 18th, New York.
Soloun-Struchiek Specialty Co. Milwaukee, Wis.
Solry Tile Mfg. Co., Inc., 15 Classon Ave., Brooklyn, N. Y.
Solshine Mfg. Co., 17 Caldwell St., Boston, Mass.
Solvay Process Co., W. Jefferson & Solvay, Detroit, Mich.
Solvay Process Co., The, Milton Ave., Syracuse, N. Y.
Solvos Co., rubber sheeting, 4216 Calumet av., Chicago, Ill.
Som Paper Box Co., 207 Wooster St., New York.
Sombart Milling Co., flour, Boonville, Mo.
Sombell Products, see Fire Retardent Products Co. (successor).
Somelastique Bedding Co., spring beds, 301 E. 22d, New York.
Somers Brick Co., Atlantic City, N. J.
Somers Bros. Mfg. Co., Orchard St., Urbana, Ill.
Somers, F. L., contrs., 2650 Santa Fe, Los Angeles, Calif.
Somers, Fitler & Todd Co., 327 Water St., Pittsburgh, Pa.
Somers, Harold, fly swatters, killers, 150 De Kalb av., Brooklyn, N. Y.
Somers, Jas. M., Co., rules, Bridgeport, Conn.
Somers Lbr. Co., Somers, Mont.
Somers Lumber Co., Atlantic City, N. J.
Somers, Patrick E., tacks, nails, etc., 38 King, Worcester, Mass.
Somerset Door & Column Co., Somerset, Pa.
Somerset Milling Co., flour, Somerset, Ky.
Somerset Packing Co., canned goods, Upper Fairmount, Md.
Somerset Rubber Reclaiming Wks., New Brunswick, N. J.
Somerset Stone Co., Johnstown, Pa.
Somersworth Fdry. Co., Salmon Falls, N. H.
Somerville Brattice Cloth Co., 23 Duane St., New York.
Somerville Co., Thos., Washington, D. C.
Somerville Iron Fndry. Co., 88 Wash., Somerville, Mass.
Somerville Iron Wks., mchsts. & fndrs., Somerville, N. J.
Somerville Radio Laboratory, 43 Cornhill, Boston, Mass.
Somerville Stove Works, Somerville, N. J.
Somerworth Fdry. Co., Salmon Falls, N. H.
Somes, Dana, 119 Water, Boston, Mass.
Sommarstrom Bros., contrs., Oakland, Calif.
Sommer & Adams Co., milling machy., etc., 18511 Euclid av., Cleveland, Ohio.
Sommer Badge Mfg. Co., buttons, Newark, N. J.
Sommer Faucet Co., John 30 Morris Ave., Newark, N. J
Sommer, H. F., & Co., leather, 219 Wilson av., Newark, N. J.
Sommer, I. M., & Co., contrs., 901 Bryant st., San Francisco, Calif.
Sommer, J. L., Mfg. Co., novelties, Newark, N. J.
Sommer, John, Faucet Co., woodenware mfrs., 30 Morris, Newark, N. J.
Sommerfeld & Steckler, architects, 31 Union sq., New York.
Sommerfield Mach. & Mfg. Co., 216 2nd Ave., Pittsburgh, Pa.
Sommers Bros. Match Co., lbr., Saginaw, Mich.
Sommers, Frank J., elec. contr., San Jose, Calif.
Sommerse Hardware Co., Clarksdale, Miss.
Sommerstown Shipbldg. Co., Columbia City, Ore.
Sommerville Elevator Co., 555 W. 35th, New York.
Sommerville Iron & Bronze Co., 5641 Butler, Pittsburgh, Pa.
Sondheimer Co., E. N. McLean St., Memphis, Tenn.
Sones, C. W., lumber, Williamsport, Pa.
Sonestown Mfg. Co., clothes pins, Williamsport, Pa.
Sonken-Galamba Corp., 64-93 N. 2nd St., Kansas City, Kan.
Sonman Shaft Coal Co., bituminous, Minersville, Pa.
Sonn, A. L., Brush Co., Troy, N. Y.
Sonneborn Sons, Inc., L., 114 Fifth Ave., New York.
Sonneman, C. G., & Son, lumber mfrs., Vandalia, Ill.
Sonnhalter Sand & Stone Co., Massillon, Ohio.
Sonora Phonograph Corp., talking machines, 279 B'way, New York.
Soo Handle & Enameling Co., Sault Ste. Marie, Mich.
Soo Hardware Co., Sault Ste. Marie, Mich.
Soo Woolen Mills, lumbermen's socks, Sault Ste Marie, Mich.
Soper, A. C., Co., canned goods, Farmingdale, N. J.
Soper, Geo. E., machst. & fndr., Kankakee, Ill.
Soper Lumber Co., 2204 Loomis St., Chicago.
Soperton Guano Co., Soperton, Ga.
Sopwith Aeroplane Corp. of America, Inc., The, 149 Broadway, New York.
Soraci Contr. Co., 95 E. 116th, New York.
Sorensen, O. J., store & bar fixtures, La Crosse, Wis.
Sorenson, Gilbert, boilers, Casselton, N. D.
Sorenson, P., 18 Dunham Pl., Brooklyn, N. Y.
Sorg, Paul A., Paper Co., Middletown, Ohio.
Sorge, Kurt, pumps, 224 E. 80th, New York.
Sorgel Elect. Co., 138 W. Water St., Milwaukee, Wis.
Sosman & Landis Co., scenic artists, 416 S. Kedzie av., Chicago, Ill.
Soss Mfg. Co., Grand Ave & Bergen St., Brooklyn, N. Y.
Sotter Bros., Inc., Pottstown, Pa.
Souden & Morrison, granite, S. Quincy, Quincy, Mass.
Souder & Crouthamel, masons' & bldrs.' matls., Souderton, Pa.
Souder, F. M., stone, Millville, N. J.
Soule Co., Edw. L., 913-924 Rialto Bldg., San Francisco, Cal.
Soule Steam Feed Works, Meridian, Miss.
Soule, L. P., & Son Co., contractors, 80 Boylston, Boston, Mass.
Soule, Murphy & Hastings, architects, Santa Barbara, Calif.
Soule Steam Feed Wks., Meridian, Miss.
Sound Handle Co., Everett, Wash.
Sound Rubber Co., tires & tubes, 6220 S. Union, Tacoma, Wash.
Sous, Cunningham, Reed & Rattan Co., furn, 157 E. 32nd, Dept. H, New York.
Soutar & Ritchie, contractors, Troy, N. Y.
South Amboy Lumber & Supply Co., South Amboy, N. J.
South Amboy Terra Cotta Co. of S. Amboy, South Amboy, N. J.
South American Gold & Platinum Co., platinum miners, 61 Broadway, New York.
South Atlantic Fertilizer Co., Augusta, Ga.
South Atlantic Lbr. Co., Greensboro, N. C.
South Atlantic Packing & Provision Co., Savannah, Ga.
South Atlantic Waste Co., Charlotte, N. C.
South Barre Granite Co., Inc., Barre, Vt.
South Bend Belt Co., fishing tackle mfrs., 1108 High, South Bend, Ind.
South Bend Boiler Wks., steel tanks, 1130 King, South Bend, Ind.
South Bend Chilled Plow Co., 105 Circle Ave., South Bend, Ind.
South Bend Current Controller Co., 247 La Porte Ave., South Bend, Ind.
South Bend Dowel Works, S. Lafayette, South Bend, Ind.
South Bend Electric Co., South Bend, Ind.

SOUTH BEND FOUNDRY CO., S. Lafayette Blvd. & W. Indiana Ave., South Bend, Ind.
Pres. & Treas.—W. C. Sibley.
V. P.—F. E. Greene.
Sec.—F. C. Sibley.

South Bend Lathe Works, 423 E. Madison St., South Bend, Ind.
South Bend Mills & Timber Co., South Bend, Wash.
South Bend Motors Co., South Bend, Ind.
South Bend Paper Co., South Bend, Ind.
South Bend Spark Arrester Co., South Bend, Ind.
South Bend Spring Wagon & Carriage Co., auto. metal bodies, 210 S. St. Joe, South Bend, Ind.
South Bend Stationery Mfg. Co., South Bend, Ind.
South Bend Supply Co., 324 S. St. Joe St., South Bend, Ind.
South Bend Toy Mfg. Co., 1012 S. High st., South Bend, Ind.
South Bend Watch Co., Mishawaka Ave., South Bend, Ind.
South Bros. Trunk Co., 2025H Franklin, Waco, Tex.
South Carolina Pottery Co., North Augusta, S. C.
South Chester Tube Co., Chester, Pa.
South Coast Canning Co., Long Beach, Calif.
South Coventry Paper Co., South Coventry, Conn.
South Dakota State College, engrng. school & coll., Brookings, S. D.
South End Machine Co., 96 E. Miller av., Akron, Ohio.
South End Machine Wks., 1322 Potiero av., San Francisco, Calif.
South Florida Fdry. & Mach. Wks., Orlando, Fla.
South Fork Fire Brick Co., South Fork, Pa.
South Fork Fdry. & Mach. Wks., mine car wheels, South Fork, Pa.
South Georgian Buggy Co., Valdosta, Ga.
South Georgia Fertilizer Co., McRae, Ga.
South Ga. Milling Co., feed, Valdosta, Ga.
South Halsted St. Iron Wks., 2611 S. Halsted St., Chicago.
South Haven Foundry & Machine Co., South Haven, Mich.
South Haven Preserving Co., South Haven, Mich.
South Implement Co., heavy hdwe., Dept. H, Greenville, S. C.
South Jersey Canning Co., Pedricktown, N. J.
South Jersey Farmers' Exchange, fertilizer mfrs., Woodstown, N. J.
South Lebanon Canning Co., South Lebanon, O.
South Michigan Brick Co., Kalamazoo, Mich.
South Park Foundry & Machine Co., St. Paul, Minn.
South Penn. Bldg. Co., Uniontown, Pa.
South Pittsburgh Fdry. Co., South Pittsburgh, Tenn.
South River Brick Co., South River, N. J.
South River Lbr. Co., Cornwall, Va.
South San Francisco Dock Co., San Francisco, Calif.
South San Francisco Packing & Provision Co., meat packers, 407 Front, San Francisco, Calif.
South Seattle Foundry Co., Seattle, Wash.
South Shore Constr. Co., Erie, Pa.
South Side Brick Co., Richmond, Va.
South Side Cereal Mills, cereal foods, 2039 Fairfield, Fort Wayne, Ind.
South Side Cornice Wks., 4324 Cottage Grove av., Chicago, Ill.
South Side Fdry. & Machine Works, Charleston, W. Va.
South Side Interior Finish Co., sash, door & blind mfrs., 5837 Laflin, Chicago, Ill.
South Side Malleable Casting Co., 14th Ave. and Windlake St., Milwaukee, Wis.
South Side Stone Co., Bloomington, Ind.
South Texas Implement & Vehicle Co., Houston, Tex.
South West Lumber & Supply Co., 3456 Archer Ave., Chicago.
South Western Portland Cement Co., stone producers, El Paso, Texas.
Southard, Chas. H., Co., bldg. materials, 9th av. nr. 15th, New York.
Southard, J. E., & Son, Michigan City, Ind.
Southard-Robertson Co., 257-259 Water St., New York.
Southeastern Const. Co., 129 Grevard et., Charlotte, N. C.
Southeastern Farm Implt. Co., dlrs., Greenville, S. C.
Souther Eng'g Corp., Henry, 111 Lowrie St., Hartford, Conn.
Souther Iron Co., E. E., Kienlin & Hamburger Sts., St. Louis, Mo.
Southerland, W. M., Bldg. & Contg. Co., Compton Bldg., St. Louis, Mo., & 1009 Commerce bldg., Erie, Pa.
Southern Acid & Sulphur Co., Rialto Bldg., St. Louis, Mo.
Southern Agricultural Tank Line Co., Atlanta, Ga.
Southern Asbestos Mfg. Co., Richmond, Va.
Southern Asbestos Mfg. Co., Inc., Charlotte, N. C.
Southern Aseptic Laboratories, absorbent cotton, Columbia, S. C.
Southern Auto & Mach. Co., water supply outfits, 116 Roberts av., St. Louis, Mo.
Southern Automobile Mfg. Co., Inc., Union & Planters Bank Bldg., Memphis, Tenn.
Southern Bagging Co., Norfolk, Va.
Southern Bedding Mfg. Co., mattresses, Austin, Texas.
Southern Belting Co., Atlanta, Ga.
Southern Belting Co., of New Orleans, New Orleans, La.
Southern Boiler & Tank Works Co., 1275 Thomas St., Memphis, Tenn.
Southern Boiler Wks., Belleville, Ill.
Southern Box & Crate Co., Lufkin, Tex.
Southern Box & Lumber Co., Savannah, Ga.
Southern Brass Mfg. & Plating Co., Houston, Texas.
Southern Brick & Tile Co., 15th & Ormsby St., Louisville, Ky.
Southern Bridge Co., Birmingham, Ala.
Southern Broom Mfg. Co., Atlanta, Ga.
Southern Bldg. Co., contrs., Bessemer, Ala.
Southern Building Supply Co., Montgomery, Ala.
Southern California Box Co., packing boxes, 2315 Santa Fe av., Los Angeles, Calif.
Southern California Clay Products Co., tile, etc., 2298 E. 52d, Los Angeles, Calif.
Southern Calif. Disinfecting Co., 2521 S. Main, Los Angeles, Calif.
Southern California Fertilizer Co., Kerckhoff Bldg., Los Angeles, Calif.
Southern California Fish Co., canners, Los Angeles, Calif.
Southern California Furniture Mfg. Co., 5111 Santa Fe av., Los Angeles, Calif.
Southern California Gas Co., 950 S. Broadway, Los Angeles, Calif.
Southern California Glass Co., bottles, 2501 E. 26th st., Los Angeles, Calif.
Southern Cal. Hardwood & Mfg. Co., 1430 S. Alameda, Los Angeles, Cal.
Southern California Iron & Steel Co., 4th & Mateo, Los Angeles, Calif.
Southern California Ladder Co., 142 E. 58th, Los Angeles, California.
Southern Can Co., 717 S. Wolfe St., Baltimore, Md.
Southern Carbon Co., Warren, Ohio.
Southern Carriage Wks., Beaumont, Texas.
Southern Cement Co., American Trust Bldg., Birmingham, Ala.
Southern Chair Co., High Point, N. C.
Southern Chemical Co., fertilizer mfrs., Roanoke, Va.
Southern Clay Mfg. Co., Volunteer Life Bldg., Chattanooga, Tenn.
Southern Coal, Coke & Mining Co., Security Bldg., St. Louis, Mo.
Southern Coffin & Casket Co., 1364 6th av., Knoxville, Tenn.
Southern Company, The, E. L., Williamson Bldg., Cleveland, O.
Southern Constr. & Mill Supply Co., Houston, Texas.
Southern Constr. & Supply Co., 298 Houston, Atlanta, Ga.
Southern Cooperage Co., Claremont, Va.
Southern Cooperage Co., 3160 Chartres, New Orleans, La.
Southern Co-operative Fdry. Co., Rome, Ga.
Southern Cornice Wks., 114 Cincinnati St., Tulsa, Okla.
Southern Cotton Oil Co., Falls Bldg., Memphis, Tenn., & Atherton av., Charlotte, N. C.
Southern Cotton Oil Co., fertilizer mfrs., 120 Broadway, New York.
Southern Coupon Co., 1813 Ave. D, Birmingham, Ala.
Southern Creosoting Co., Ltd., Slidell, La.
Southern Desk Co., Hickory, N. C.
Southern Door & Glass Co., 218 2d av. N, Nashville, Tenn.
Southern Drainage & Lbr. Co., Hunter, Ark.
Southern Dredging Co., Mobile, Ala.
Southern Electric Co., 5 South Gay St., Baltimore, Md.
Southern Electric Sup. Co., Atlanta, Ga.
Southern Electrical Co., San Diego, Cal.
Southern Electro Steel Co., Inc., Castings, grate bars, etc., Lynchburg, Va.
Southern Engine and Boiler Mfg. Co., Jackson, Tenn.
Southern Engineer, trade publication, 1017 Grant Bldg., Atlanta, Ga.
Southern Equipment Co., Exchange Bldg., Memphis, Tenn.
Southern Exch. Co., ties, poles, etc., 97 Warren, New York.
Southern Extract Co., Lonsdale, Knoxville, Tenn.
Southern Ferro Alloys Co., Chestnut at 21st St., Chattanooga, Tenn.
Southern Ferro Concrete Co., Atlanta, Ga.
Southern Fertilizer & Chemical Co., Savannah, Ga.
Southern Fertilizer Co., Louisville, Ky., Clayton, Ala., Orlando, Fla.
Southern Fibre Co., Portsmouth, Va.
Southern Fire Brick & Clay Co., 133 W. Washington St., Chicago.
Southern Fixture Co., medicine cabinets and built-in furn., 1220 E. Slauson av., Los Angeles, Calif.
Southern Fdry. & Mach. Co., Lexington, Tenn.
Southern Foundry Co., Inc., Owensboro, Ky.
Southern Fuel Co., Chattanooga, Tenn.
Southern Furn Co., Dept. H, Lake Charles, La.
Southern Furniture Co., Texarkana, Tex.
Southern Gem Coal Corp., Oil Colony Bldg., Chicago, Ill.
Southern Grocer Co., Ltd., masons' & bldrs.' matls., Monroe, La.
Southern Gypsum Co., North Holston, Va.
Southern Hardware & Woodstock Co., New Orleans, La.
Southern Hardware Co., Charlotte, N. C.
Southern Hardware Co., Ltd., Monroe, La.
Southern Heating Co., 145 S 3d, Memphis, Tenn.
Southern Ice & Refrigerating Co., Elliott, Charlotte, N. C.
Southern Illinois Timber Co., Marion, Ill.
Southern Illinois Milling & Elevator Co., flour, Murphysboro, Ill.
Southern Implement Mfg. Co., The, Columbus, Ga.
Southern Ind. Mfg. Co., lbr., Birds Eye, Ind.
Southern Iron & Commission Co., scrap iron, Birmingham, Ala.

SOUTHERN IRON & EQUIPMENT CO., 217-229 Grant Bldg., Atlanta, Ga.
Pres.—F. P. Kern.
V. P.—W. A. Love.
Secy. & Treas.—A. J. Merrill.

Southern Iron & Metal Co., castings, South & Jacksonville, Fla.
Southern Jobbers Supply Co., 515 S. Peters St., New Orleans, La.
Southern Lumber & Mfg. Co., Nashville, Tenn.
Southern Lumber & Supply Co., Paulding, O.; Tampa, Fla.
Southern Lumber & Timber Co., Hillsdale, Miss.
Southern Lbr. Co., Fayette, Ala.
Southern Lbr. Co., Warren, Ark.
Southern Lbr. Co., Boulder Creek, Calif.
Southern Lumber Co., Meridian, Miss.
Southern Lbr. Co., Memphis, Tenn.
Southern Lumberman, trade publication, 150 4th av. N, Nashville, Tenn.
Southern Mach. Wks., 835 Tchoupitoulas, New Orleans, La., & Albany, Ga.
Southern Machinery Co., mill & fcty. supps., Atlanta, Ga.
Southern Manganese Corp., Anniston, Ala.
Southern Mfg Co., 1014 N. 28th St., Birmingham, Ala.
Southern Mfg. Co., Gadsden, Ala.
Southern Mfg. Co., flannel Athens, Ga.
Southern Mfg. Co., overalls, 19 E. 3rd, Charlotte, N. C.
Southern Marble & Granite Co., Spartansburg, S. C.
Southern Marble Co., Worcester, Mass.
Southern Mattress Co., 1109 Annunciation, New Orleans, La.
Southern Metal Co., Inc., steel storage tanks, Lake Charles, La.
Southern Mills Corp., cordage & twine mfrs., Oxford, Ala.
Southern Motor Mfg. Ass'n, Beatty Bldg., Houston, Tex.
Southern Motor Supply Co., Oklahoma City, Okla.
Southern Novelty Co., cloth tubes, Hartsville, S. C.
Southern Nov. Mfg. Co., advtg. spec., Memphis, Tenn.
Southern Oil Treating & Hardening Co., stearin, Atlanta, Ga.
Southern Oregon Co., lumber, North Bend, Ore.
Southern Overall Co., Columbus, Ga.
Southern Overall Co., 11 N. Gay, Baltimore, Md.
Southern Pacific Ry. Shops, machsts. & fndrs., New Orleans, La.
Southern Paint & Varnish Co., Atlanta, Ga.
Southern Paper Co., Moss Point, Miss.
Southern Paving & Construction Co., Volunteer Life Bldg., Chattanooga, Tenn.
Southern Paving & Gravel Co., Savannah, Ga.
Southern Pine Association, 600 Interstate Bank Bldg., New Orleans, La.
Southern Pine Co. of Georgia, Savannah, Ga.
Southern Pine Lumber Co., Montgomery, Ala.
Southern Pine Lumber Co., Texarkana, Tex.
Southern Pine Mfg. Co., Paducah, Ky.
Southern Pipe & Foundry Co., 27th Ave., Birmingham, Ala.
Southern Pipe & Fdry. Co., grey iron castings, 810 Inland Home pk., Knoxville, Tenn.
Southern Pine Sales Corp., 232 Broadway, New York.
Southern Planing Mills, Meridian, Miss.
Southern Plow Co., Dallas, Texas.
Southern Plumbing Supply Co., Inc., 402 North av., 22, Los Angeles, Calif.
Southern Potteries, Inc., Erwin, Tenn.
Southern Press Cloth Mfg. Co., Augusta, Ga.
Southern Product Co., canned goods, Seminary, Miss.
Southern Railway & Supply Co., 113 N. Second St., St. Louis, Mo.
Southern Railway Supply Co., 1323 E. Main St., Richmond, Va.
Southern Road & Bridge Builders, Inc., Little Rock, Ark.
Southern Refining & Mfg. Co., terminal tracks nr. Frenchman, New Orleans, La.
Southern Rice Milling Co., 325 N. Peters, New Orleans, La.
Southern Rock Island Plow Co., Dallas, Tex.
Southern Roller Stave & Heading Co., Elizabeth City, N. C.
Southern-Rome Company, 617 W. Pratt St., Baltimore, Md.
Southern Rubber & Belting Co., 517-19 Washington Ave., Houston, Tex.
Southern Sand & Gravel Co., Richmond, Va.
Southern Saddlery Co., 1442 Westside St., Chattanooga, Tenn.
Southern Saw & Machy. Works, Atlanta, Ga.
Southern Saw Mill Co., Ltd., New Orleans, La.
Southern Saw Works, 50 Church St., New York.
Southern Saw Works, East Point, Ga.
Southern Seed Co., acid phosphate, Louisville, Ky.
Southern Sewer Pipe Wks., 2131 28th Ave., Birmingham, Ala.

SOUTHERN SIGNAL COMPANY, 2021 Portland Ave., Louisville, Ky.
Pres.—J. E. Clough, Louisville, Ky.
Sec. & Treas.—M. A. Iula, Louisville, Ky.
R. O. Duncan (not active), La Grange, Ky.

Southern Skein & Foundry Co., E. Lake St., Chattanooga, Tenn.
Southern Spindle & Fyer Co., 811 W. 1st, Charlotte, N. C.
Southern Spoke & Mfg. Co., Shelby, Miss.
Southern Spring Bed Co., Atlanta, Ga.
Southern States Bag Co., Talleyrand av., Jacksonville, Fla.
Southern States Equip. Co., 1921 Powell Ave., Birmingham, Ala.
Southern States Lumber Co., Pensacola, Fla.
Southern States Phonograph Co., Atlanta, Ga.
Southern States Phosphate & Fertilizer Co., Augusta, Ga.
Southern States Portland Cement Co., Rockmart, Ga.
Southern States Supply Co., mill & facty. & plumbers' supplies, Columbia, S. C.
Southern Steel Products Co., Va. Ry. & Pur. Bldg., Richmond, Va.
Southern Stove Works, Richmond, Va.
Southern Structural Steel Co., San Antonio, Tex.
Southern Supply Co., Calvert & Saratoga Sts., Baltimore, Md.
Southern Supply Co., Jackson, Tenn.
Southern Supply Co., Norfolk, Va.
Southern Supply Co., plumbers' supplies—jobbers, Calvert & Sars, Baltimore, Md.
Southern Sweat Pad Co., 533 Park, Evansville, Ind.
Southern Syrup Co., Montgomery, Ala.
Southern Tent & Awning Co., Lexington, Ky.
Southern Textile Machinery Co., 110-2 E. McBee Ave., Greenville, S. C.
Southern Textile Machinery Co., Inc., Paducah, Ky.
Southern Torpedo Co., Parkersburg, W. Va.
Southern Trading Co., architect, 107 N. Church, Spartanburg, S. C.
Southern Trading Co. of Texas, 620 North St., Fort Worth, Tex.
Southern Truck & Car Corp., Greensboro, N. C.
Southern Upholstering Co., furn., Dept. H, Atlanta, Ga.

SOUTHERN WHEEL COMPANY, 1806 Railway Exchange Bldg., St. Louis, Mo.
Pres.—Wm. F. Cutler, New York.
1st V. P.—F. C. Turner, St. Louis.
Vice Pres.—W. C. Deering, J. B. Spencer, St. Louis: C. C. Esdale, Birmingham, Ala.
Secy.—Geo. M. Judd, New York.
Treas.—Hy. C. Knox, New York.
Atlanta, Ga.—S. C. Watkins.

Southern Wheel Stock Co., Ironton, Wis.
Southern White Cedar Pole Co., Blountstown, Fla.
Southern Wis. Fndry Co., Madison, Wis.
Southern Wire & Iron Wks., Atlanta, Ga.

SOUTHERN WOOD PRESERVING CO., Station A, Atlanta, Ga.
Pres.—R. H. White.
V. P.—R. H. White, Jr.
Sec. & Treas.—W. E. White.
Pittsburgh, Pa.—Dollar Savings & Trust Bldg.
Toledo, O.—Spitzer Bldg.

Southgate Press, 83-89 Broad St., Boston, Mass.
Southington Hardware Co., The, Southington, Conn.
Southington Lumber & Feed Co., Southington, Conn.
Southington Mfg. Co., bit braces, handles, screw driver mfrs., Southington, Conn.
Southland Cotton Oil Co., Temple, Tex.
Southland Lumber & Trading Co., Inc., New Orleans, La.
Southland Tool Co., 723 Ann Arbor St., Greenville, Mich.
Southside Roller Mills Co., Winston-Salem, N. C.

SOUTHWARK FOUNDRY & MACHINE CO., 1128 S. 4th St., Philadelphia, Pa.
Pres.—W. H. Harman.
Sec. & Treas.—John Rosenfeld.
Chicago—Fisher Bldg., J. T. Lee, Mgr.
Cleveland, O.—Swetland Bldg., Stewart Bolling, Mgr.

Southwark Mfg. Co., whiting & Paris white mfrs., Camden, N. J.
Southwark Scale Co., machsts. & fndrs., Camden, N. J.
Southwest Builder & Contractor, trade publication, 156 S. Hill St., Los Angeles, Calif.
Southwest Hardware Co., 335 E. 3rd, Los Angeles, Calif.
Southwest Mfg. Co., lbr., Raymond, Wash.
Southwest Onyx & Marble Co., San Diego, Calif.
Southwest Overall Co., 819 Broadway, Kansas City, Mo.
Southwest Paving Co., Inc., Washington Bldg., Los Angeles, Calif.
Southwest Plumbing Supply Co., 2030 Walnut St., Kansas City, Mo.
Southwest Welding & Machine Co., 621 N. Main, Los Angeles, Calif.
Southwest Wire & Iron Works Co., 1722 Tracy St., Kansas City, Mo.
Southwestern Broom & Warehouse Co., Wichita, Kan.
Southwestern Broom Mfg. Co., 701 9th av., Evansville, Ind.
Southwestern Condenser Co., 606 S. Hill, Los Angeles, Calif.

Southwestern Engineering Co., mining engnrs., 606 S. Hill, Los Angeles, Calif.
Southwestern Engng. Co., grain elevator machy., etc., Springfield, Mo.
Southwestern Mfg. Co., machsts. & fndrs., Oklahmoma City, Okla.
Southwestern Paint & Varnish Co., 610 Broadway, Kansas City, Mo.
Southwestern Portland Cement Co., El Paso, Tex., and Victorville, Calif.
Southwestern Purchasing Agent, trade publishers, 514 I. W. Hellman Bldg., Los Angeles, Calif.
Southwestern Sash & Door Co., Phoenix, Ariz.
Southwick Co., Geo. W., Stamford, Conn.
Southwick, L. B., Co., leather, Peabody, Mass.
Southwick-Pom-McFate Co., contrs., St. Jean & Shoemaker, Detroit, Mich.
Southworth Co., Mittineague, Mass.
Southworth Mach Co., printers, bookbinders & turret screw machinery, Warren av., Portland, Me.
Souvenir Lead Pencil Co., Cedar Rapids, Ia.
Soverbutt, J. S. (Est. of), carriages, Paterson, N. J.
Sovereign, C. E., Co., leather gaskets, Rockford, Ill.
Sowers, Assa, chemist, 104 Johns, New York.
Sowers Mfg. Co., 1300 Niagara St., Buffalo, N. Y.
Sowle, J. E., mill & fcty. supplies, Gloversville, N. Y.
Sowney & Bros., carriages, 1204 32d & Reed, Philadelphia, Pa.
Spach Wagon Works, J. C., Winston-Salem, N. C.
Spacke Machine & Tool Co., Madison Ave. & Merrill St., Indianapolis, Ind.
Spackman Engineering Co., Henry S., 2024 Arch St., Philadelphia, Pa.
Spadone Machine Co., Inc., cloth cutting machines, 15 Park Row, New York.
Spafford Machine Screw Wks., Inc., Hartford, Conn.
Spafford Tool Works, 629 Broadview Terrace, Hartford, Conn.
Spahr Mfg. Co., milk bottle caps, 1423 Vine, Philadelphia, Pa.
Spalding & Bros., Inc., A. G., 105 Nassau St., New York.
Spalding Construction Co., Rialto Bldg., San Francisco, Calif.
Spalding Fndry. Co., Atlanta, Ga.
Spalding Lumber Co., 208 S. La Salle, Chicago, Ill.
Spalding-Robbins Disc Plow Co., see Cal. Plow Co. (successors).
Spalten Bros., cornices, 1240 S. Crawford av., Chicago, Ill.

SPANDAU & CO., Fred A., Electrical Contractors, 700 S. Dearborn St., Chicago.

Spang & Co., machinists, Butler, Pa.
Spang & Co., Cameron, W. Va.
Spang, Chalfant & Co., machsts. & fndrs., Union Bank Bldg., Pittsburgh, Pa.
Spangler & Co., E. J., 1237 N. Howard St., Philadelphia, Pa.
Spangler & Co., Frank, Kosciusko, Miss.
Spangler, Chas., machinists & founders, 102 S. 3d, Allentown, Pa.
Spangler, Frank, & Co., lumber, Kosciusko, Miss.
Spangler, J. A., (Sand Blast Helmets), Benton Harbor, Mich.
Spangler, W. H., woolen flannels and blankets, Fitzpatrick, W. Va.
Spanish Peak Lumber Co., 1st Natl. Bank Bldg., San Francisco, Calif.
Spanjer Bros., wooden models, 198 Badger av., Newark, N. J.
Spanogle-Yeager Milling Co., flour, Lewistown, Pa.
Spargo, John, contrs., 240 Montgomery, San Francisco, Calif.
Spargo, Wm. T., granite, S. Quincy, Quincy, Ill.
Spargo Wire Co., Rome, N. Y.
Sparkman Mill & Lumber Co., Little Rock, Ark.
Sparks & Murphy, machinists, Petaluma, Calif.
Sparks, J. C., betanaphthol & aniline oil & salt, 42 Warren, New York.
Sparks, J. W., Co., whol. hdwe., Charleston, W. Va.
Sparks Milling Co., flour, Alton, Ill.
Sparks-Withington Co., Jackson, Mich.
Sparks, W. J., Mt. Vernon, Ky.
Sparling, B. W., water gauges, meters, etc., 945 N. Main, Los Angeles, Calif.
Sparr Cereal Co., farina, Marshfield, Wis.
Sparta Foundry Co., Sparta, Mich.
Sparta Iron Works Co., Sparta, Wis.
Sparta Mfg. Co., water stills, 111 S. Hill, South Bend, Ind.
Sparta Mill Co., flour, Sparta, Tenn.
Sparta Plow Works, Sparta, Ill.
Sparta Roller Mill Co., Sparta, N. C.
Sparta Sash & Door Co., Sparta, Wis.
Sparta Spoke Factory, Sparta, Tenn.
Spartan Grain & Mill Co., Spartanburg, S. C.
Spartan Hdwe. Co., Spartanburg, S. C.
Spartan Mfg. Co., agricultural implements & corn mills, Pontiac, Ill.
Spartan Mills, cotton sheetings, Spartanburg, S. C.
Spartan Saw Works, 41 Taylor St., Springfield, Mass.
Spartanburg Fertilizer Co., Spartanburg, S. C.
Spartanburg Mchy. Co., Spartanburg, S. C.
Spates, Wm. T., cornices & skylights, Eastport, Me.
Spatz, H. P., cornices, 3901 Colerain av., Cincinnati, O.
Spaulding & Metcalf, mill & facty. supplies 532 Arch, Philadelphia, Pa.
Spaulding & Sons Co., J., Tonawanda, N. Y.
Spaulding Avery Lumber Co., Sioux City, Ia.
Spaulding, Chas. K. Logging Co., Northwestern Bank Bldg., Portland, Salem & Newberg, Ore.
Spaulding Co., H. C., Elmira, N. Y.
Spaulding, D. S., key rings, shears & scissors, Mansfield, Mass.

SPAULDING FIBRE COMPANY, INC., fibre specialties, Tonawanda, N. Y.

Factories:
MASS.—Townsend Harbor—(Fibre Boards).
N. H.—Milton—

Factories:
MASS.—Townsend Harbor—(Fibre Boards).
N. H.—Milton—See North Rochester Mills.
Milton—Horn Dept. (Fibre Horns for Loud Speakers, Megaphones), (Light-weight mill & stock boxes, etc.).
North Rochester—(Friction Board—Case Board).
Rochester—(Mill receptacles, trunks, boxes, barrels, roving cans, trays, etc., chair seats).
N. Y.—Tonawanda—(Vulcanized fibre, sheets, rods, tubes, specialties. Bakelite-Duresto, sheets, rods, tubes, machined parts).

Branch Offices:
CAL.—Los Angeles—310 E. 4th St.
San Francisco—171 Second St.
ILL.—Chicago—659-661 W. Lake St.
MASS.—Boston—15 Elkins St.
N. Y.—New York—454 Broome St.
PA.—Philadelphia—141 N. 4th St.

Spaulding, H. H., sash, door & blind, Hemet, Calif.
Spaulding, H. S., Co., sash, door & blind mfrs., Elmira, N. Y.
Spaulding Horace R., flour mill & grain cleaning machy., 898 Folsom, San Francisco, Calif.
Spaulding, Leverett T., wall beds, 1041 Mission, San Francisco, Calif.
Spaulding Logging Co., Chas. K., Northwestern Bank Bldg., Portland, Ore.
Spaulding Mfg. Co., Grinnell, Ia.
Spaulding-Moss Co., 42 Franklin, Boston, Mass.
Spaulding Sumner Maurice, architects, Hibernian Bldg., Los Angeles, Calif.
Spaulding Supply Co., Aberdeen, S. D.
Spayd Bros., machinists, Van Wert, Ohio.
Speakman Company, 8116 Tatnall Ave., Wilmington, Del.
Spear & Co., furn., 915H Penn av., Pittsburgh, Pa.
Spear Bros., bldg. contrs., Burlington, Vt.
Spear Co., Wm. H. 68 W. Monroe St., Chicago.
Spear, H. A., Jr., cornices, Walpole, Mass.

SPEAR STOVE AND HEATING CO., JAMES, 1823 Market St., Philadelphia, Pa.
Pres.—John C. Hershey.
Secy. & Treas.—James Spear, Jr.

Speare's, Alden, Sons Co., oils, Cambridge, Mass.
Speares, Alden, Sons Co., lubrg. oils & greases, 25 W. 42d, New York.
Spearin, George B., bridge foundation & dock bldrs., 90 West, New York.
Spears & Riddle Co., auto accessories, supplies, 81 12th, Wheeling, W. Va.
Spears, E. F., & Sons, tow, Paris, Ky.
Spears Lumber Co., Grand Rapids, Mich.
Spears-Wells Machinery Co., road machy., 1832 9th, Oakland, Calif.
Special Chemicals Co., Highland Park, Ill.
Special Fabrics Co., Sayesville, R. I.
Special Fire Alarm Elec. Signal Co., 44 E. 23rd, New York.
Special Machinery Co., 38 Remer, Bridgeport, Conn.
Specialty Sales Co., advtg., 929 18th av., Seattle, Wash.
Special Service Flooring Corp., 239 Grand Central Terminal, New York.
Special Tool & Machine Co., 410H Dorchester av., Boston, Mass.
Specialties Mfg. Co., 2132 Sacramento av., Los Angeles, Calif.
Specialty Bolt & Rivet Wks., bolts, screws, etc., 132 Hillside av., Shelton, Conn.
Specialty Brass Co., Kenosha, Wis.
Specialty Device Co., The, 106 W. Third St., Cincinnati, O.
Specialty Display Case Co., Kendallville, Ind.
Specialty Engineering Co., Trenton & Allegheny St., Philadelphia, Pa.
Specialty Furn. Co., Dept. H, 35 N. Elsas av., Evansville, Ind.
Specialty Insulation Mfg. Co., Hoosic Falls, N. Y.
Specialty Mfg. Co., machinists, Decatur, Ill., & So. Norwalk, Conn.
Specialty Mfg. Co., mechanics' aprons, St. Anthony Park, Minn.
Specialty Mfg. Co., 2362 University Ave., St. Paul, Minn.
Specialty Mfg. Co., surgical instruments, 420 E. 149th, New York.
Specialty Mfg. Co., step ladders, swings, etc., Titusville, Pa.
Specialty Mattress Co., 21st, Huntington, W. Va.
Specialty Products Co., snap fasteners, 282 South, Newark, N. J.
Specialty Reed Works, Spartanburg, S. C.
Specialty Shoe Machy. Co., St. Joseph, Mo.
Specialty Supply Co., 54 1st st., Portland, Ore.
Specification Brush Co., 121 W. 47th St., New York.
Speck Bros., Bethlehem, Pa.
Speck, Marshall Co., mill & fcty. supplies, 314 2d av., Pittsburgh, Pa.
Speck Mfg. & Gear Co., clothes dryers & washers, 2130H Folsom, San Francisco, Calif.
Spedden Packing Co., James, Md.
Spedden Ship Building Co., Boston & Kenwood Sts., Baltimore, Md.
Spedden Supply Co., Boston & Kenwood Sts., Baltimore, Md.
Speddy, J. H., & Co., steel structural dealers, etc., 73 Main, San Francisco, Calif.
Speeceville Brick Mfg. Co., Speeceville, Pa.
Speed & Co., J. B., 315 Guthrie St., Louisville, Ky.
Speed & Co., Jas., 179 Summer St., Boston, Mass.
Speed Key Mfg. Co., (Typewriter Supp.) 22 Columbus Pl. Brooklyn, N. Y.
Speed Machine Co., concrete mixers, Passaic, N. J.
Speedaumatic Co., The, 817 Washington Blvd., Chicago.
Speedee Specialty Co., 105 W. 3rd St., New York.

SPEEDNUT WRENCH CORP., 20 E. Jackson Blvd., Chicago.

Speer Carbon Co., St. Mary's, Pa.
Speer Gas Machine Mfg. Co., 412-413 Bumiller Bldg., Los Angeles, Calif.
Speer Hardware Co., Fort Smith, Ark.
Speer Harris Lumber Co., Inc., Wetumpka, Ala.
Speer, L. J., & Son, contractors, Sea Isle City, N. J.
Speer, M. B., & Co., wiping rags, Park Bldg., Pittsburgh, Pa.
Speer, M., Iron & Metal Co., Sharon, Pa.
Speer, W. B., glass blowers' pipes, 107 Carson, Pittsburgh, Pa.
Speich Stove Repair Co., 130 W. Water, Milwaukee, Wis.
Speicher, D. E., machinist, Urbana, Ind.
Speidell, C. E., & Son, stone, Lincoln, Neb.
Speiden, Chas. E., archl. iron, 620 C. S. E., Washington, D. C.
Speidel, J. G., West Buttonwood & Gordon St., Reading, Pa.
Speigel Cabinet Co., Dept. H, Shelbyville, Ind.
Speigel Furn. Co., Dept. H, Shelbyville, Ind.
Speirs Bros., New London, Conn.
Speiser & Hurlbut, Inc., whol. hdwe., Seattle, Wash.
Spelke Constr. Co., 231 Atlantic, Stamford, Conn.
Spellman, Jas. F., & Sons Co., dock bldrs., Bangor, Me.
Spellman, Jos. R., metallurgical engrs., 300 W. 121st, New York.
Spelts, A., flour & feed mills, Loup City, Nev.
Spena, John W., machinists, Wakeeny, Kan.
Spence-Baggs Stone Co., Martins Ferry, O.
Spence Bros., contractors & stone producers, 2078 Randoa rd., Cleveland, Ohio, & Saginaw, Mich.
Spence Embossing Co., Inc., leather embossing plates, 25 Margaretta, Newark, N. J.
Spence, George W., Co., leaded & stained glass, 90 Canal, Boston, Mass.
Spence, H. M., machy. dlrs. & mfrs. tool boxes, Parkersburg, W. Va.
Spence, J. H., canned goods, Smithville, Md.
Spence, Jas., founder, 923 Garfield av., Jersey City, N. J.

Spencer & Craig Printing Wks., Flint & Faulkner, Cincinnati, O.
Spencer & Morris, 422 E. 3d st., Los Angeles, Calif.
Spencer & Spencer, contrs., Ithaca, N. Y.
Spencer Bros., sashes, doors & blinds, Lebanon, N. H.
Spencer Construction Co., The, Garrett Bldg., Baltimore, Md.
Spencer Elec'l Co., telephones & app., West & Hubert, New York.
Spencer Elevator Co., 126 Beale St., San Francisco, Cal.
Spencer, F. A., cornices & skylights, Council Bluffs, Ia.
Spencer, F. E., Co., mill & fcty. supplies, 294 State, New Haven, Conn.
Spencer, F. G., Trailer Co., Augusta, Kans.
Spencer, F. M., & Son, contractors, Topeka, Kan.
Spencer Glove Co., Waverly, N. Y.
Spencer Hardware Co., Keene, N. H.
Spencer Heater Co., The (Furnaces), Scranton, Pa.
Spencer, J. A., bailing presses, Dwight, Ill.
Spencer, L. E., mfrs. distributors, Stahlman Bldg., Nashville, Tenn.
Spencer Lens Co., 442 Niagara St., Buffalo, N. Y.
Spencer Lbr. Co., A. B., San Antonio, Tex.

SPENCER MFG. CO., S. M., Richard E. Beckert, 9 Cornhill, Boston, Mass.

Spencer Metal Products Co., The, Spencer, O.
Spencer Mountain Mills, cotton damask, Lowell, N. C.
Spencer, Newlands Coal Co., Columbus, Kan.
Spencer Optical Co., 461 8th Ave., New York.
Spencer Otis Company, now DeRemer-Blatchford Co., Railway Exchange Bldg., Chicago.
Spencer, Powers & Martin, architects, 5 N. La Salle, Chicago, Ill.
Spencer, R., weather strips, Hearst Bldg., San Francisco, Calif.
Spencer, R. B., & Co., sashes, doors & blinds, Dublin, Texas.
Spencer Regulator Co., Front St., Salem, Mass.
Spencer, S. M., Mfg. Co., steel & rubber stamps & stencils, 9 Cornhill, Boston, Mass.
Spencer-Smith Machine Co., engine pistons, Howell, Mich.
Spencer Stone Co., 514 Indianapolis, Ind., & Spencerville, Ohio.
Spencer Turbine Cleaner Co., hand vacuum cleaners, 484 New Park av., Hartford, Conn.
Spencer, White, Prentis, foundations, 709 6th av., New York.
Spencer, Wm. M., Sons Co., canned goods, 317 Trace Term. Bldg., E. 2d, Cincinnati, Ohio.
Spencer, Wilton H., mill & fcty. supplies, 274 Washington, Providence, R. I.
Spencer's Sons, I. S., Guilford, Conn.
Spencerian Pen Co., 349 Broadway, New York.
Spengler-Loomis Mfg. Co., 58 E. Washington St., Chicago.
Spenser, Richard, 931 Hearst Bldg., San Francisco, Cal.
Sperling, A., willowware mfrs., 354 3rd av., New York.
Sperry & Alexander Co., 79 Chamber St., New York.
Sperry & Barnes Co., 138 Long Wharf, New Haven, Conn.
Sperry & Bittner, 422 1st Ave., Pittsburgh, Pa.
Sperry & Co., D. B., Batavia, Ill.
Sperry & Drake, general bldg. contrs., New Haven, Conn.
Sperry & Treat Co., contractors, 39 Church, New Haven, Conn.
Sperry Co., Inc., S. C., 299 Main St., Cambridge 39, Mass.
Sperry Engineering Co., 136 Chapel, New Haven, Conn.
Sperry Flour Co., San Francisco, Cal.
Sperry Flour Co., 1211 Sprague, Spokane, Wash.
Sperry Flour Co., Water Front, Tacoma, Wash.
Sperry Foundry Corp., Oneida, N. Y.
Sperry Gyroscope Co., 40 Flatbush Ave., Brooklyn, N.Y.
Sperry Mfg. Co., wood handles, New Haven, Ind.
Sperry Wire & Iron Works, 178 Oak, San Francisco, Cal.
Spetnagle Hardware Co., Chillicothe, Ohio.
Sphar Brick Co., Maysville, Ky.
Spice Mill Publishing Co., Inc., 97 Water, New York.
Spice Run Lbr. Co., Locust, W. Va.
Spicer & Shook, contrs., 6440 W. Fort, Detroit, Mich.
Spicer, James S., contractors, 246 W. Brighton av., Syracuse, N. Y.
Spicer, John, sweaters, bathing suits, etc., 84 Woodbine, Brooklyn, N. Y.
Spicer Mfg. Corp., South Plainfield, N. J.
Spicer, Wm. E., & Co., machsts., Janesville, Wis.
Spicers, David, Sons, 222 W. Congress, Detroit, Mich.
Spickard, C. H., & Son, canned goods, Blue Ridge Springs, Va.
Spickett Broom Co., Lawrence, Mass.
Spickler, L. A., & Sons, carriages, Spickler, Md.
Spicky Polish Corp., aluminum & metal polish, 214 Front, San Francisco, Calif.
Spiegelman Bros. & Soronow, furn., 740 Clinton, Los Angeles, Calif.
Spiegle, Geo. M., & Co., lbr., 18th & Somerset, Philadelphia, Pa.
Spieler, Jos., cornices & skylights, Beatrice, Neb.
Spielman Elec. Co., cigar lighters, 311 W. 59th, New York.
Spier's, Richard N., glass stainers, etc., 162 W. 18th, New York.
Spiers Brick Co., 79 Milk, Boston, Mass.
Spies Elec. Works, bells, 564 W. Van Buren, Chicago, Ill.
Spies, John N., (Coin Cards), Watertown, N. J.
Spies, L. G., Machine Wks., 1944 1st av. S, Seattle, Wash.
Spies-Thompson Lbr. Co., see Thompson Wells Lbr. Co. (successors).
Spigle, W. G., canned goods, Troutville, Vt.
Spiker, A., & Sons, brick, Quincy, Ill.
Spillman Engng. Co., carousels, etc., North Tonowanda, N. Y.
Spinak, Leon, & Co., furniture, 2269 E. 51st, Los Angeles, Calif.
Spinaway Boat Motor Co., Freeport, Ill.
Spindler & Deringer, (Castings) 243 Mercer St., Jersey City, N. J.
Spindler, E. O., imp. textile machy., 139H Franklin, New York.
Spindler, George, furn., 608H W. Pratt, Baltimore, Md.
Spindler, V. G., canned goods, Halethorpe, Md.
Spinks, H. C., Clay Co., ball sagger & wad clasp, Newport, Ky.
Spinks Hdwe. Co., La Grange, Ga.
Spinks, T. W., Co., 1512 Russell ct., Cincinnati, Ohio.
Spinks, Wm. A., & Co., billard chalk, 362 W. Erie, Chicago, Ill.
Spinner Bros., carriages, Lansing, Ia.
Spinner Brothers Co., 732 Sherman St., Chicago.
Spinner, Ed. F., agricultural implements, Ava, Ill.
Spirella Co., machsts., Meadville, Pa.
Spirittine Chemical Co., Wilmington, N. C.
Spiro Mfg. Co., C., 63 E. 131st St., New York.
Spitzmiller, Jos., stone, 1601 Green City, Cincinnati, O.
Spitzmiller, L., stone, 2197 Clara, Cincinnati, Ohio.

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Splitdorf Electrical Co., 98 Warren St., Newark, N. J.
Splittatoser Mfg. Co., potato sprayers, North Branch, Minn.
Spoerer & Son Co., Carl, 901 S. Cary St., Baltimore, Md.
Spofford Tool Wks., Hartford, Conn.
Spokane Cabinet Co., kitchen cabinets, N. 1008 Wash., Spokane, Wash.
Spokane Casket Co., 1620 Water, Spokane, Wash.

SPOKANE CULVERT & TANK CO., THE, Spokane, Wash.

Spokane Flour Mills, see Sperry Flour Co. (successor).
Spokane Fdry. Wks., E. 1316 2nd, Spokane, Wash.
Spokane Gas & Fuel Co., aqua ammonia, Spokane, Wash.
Spokane Hdwe. Co., 706 Main Ave., Spokane, Wash.
Spokane Metals Co., scrap iron, E. 27 Main, Spokane, Wash.
Spokane Sash & Door Co., N. 825 Superior St., Spokane, Wash.
Spokane Sheet Metal Supply Co., 806 N. Madela, Spokane, Wash.
Spokane Stamp Wks., baggage checks, Spokane, Wash.
Spokane Tool & Die Wks., W. 12 Sprague av., Spokane, Wash.
Spokane Woodworking Co., Inc., fixtures, furniture, etc., N. 1303 Atlantic, Spokane, Wash.
Spokesman Publishing Co., 128 Opera pl., Cincinnati, Ohio.
Sponhauer, H. C., cornices & skylights, Galion, Ohio.
Spool Cotton Co., 315 4th av., New York.
Spoon River Colliery Co., coal mine, Rock Island, Ill.
Spoonamore, F. P., flour mills, Stanford, Ky.
Spooner, Allen N., & Son, dock bldrs., Pier 11, N. R., New York.
Sporting Goods Sales Journal, trade publication, 10 W. 28th, New York.
Spotless Steam Sponger Co., machsts. & fndrs., 3741 E. 93rd, Cleveland, Ohio.
Spotswood, E. R., & Son, lumber, Lexington, Ky.
Spottiswoode-Cusack Co., stone producers, Orange, N. J.
Spowage, James, Co., contrs., Sioux City, Ia.
Sprado Engineering Co., Am. Bank Bldg., Los Angeles, Cal.
Sprague & Henwood, contractors, Monsey av. & New York, Scranton, Pa.
Sprague, A. O., flour mills, St. Francis, Ark.
Sprague Bros., oil pumps, Bakersfield, Calif.
Sprague, E. H., common brick, Elkhorn, Wis.
Sprague, E. S., archl. iron, 4400 Addison st., Chicago, Ill.
Sprague Canning Machine Co., (now Sprague-Sells Corp.), Chicago.
Sprague Co., "J. P., 707 Mutual Bld., Kansas City, Mo.
Sprague Foundry & Mfg. Co., Council Bluffs, Ia.
Sprague Iron Works, 4400 Addison St., Chicago.
Sprague, L., Co., machsts., Lawrence, Mass.
Sprague Meter Co., 35 S. Ave., Bridgeport, Conn.
Sprague Meter Co., Los Angeles, Cal.
Sprague Safety Control & Signal Corp., 421 Canal St., New York.
Sprague-Sells Corp., 500 N. Dearborn St., Chicago.
Sprague Smith Co., 130 W. Austin Ave., Chicago.
Sprague, Warner & Co., 600 W. Erie St., Chicago.
Sprang, Wm., machinists, Loudonville, Ohio.
Spratts Patent (Ltd.), dog biscuit, 14 Congress, Newark, N. J.

SPRAY ENGINEERING CO., 62 High St., Boston, Mass.

Sprecher Lumber Co., Independent, Wis.
Sprecher's, I. G., Sons, sash weights, Ephrata, Pa.
Spreckels Bros. Commercial Co., cement, pig iron, steel, etc., Citizens Bank Bldg., Los Angeles, Calif.
Spreckels "Savage" Tire Co., 2301 Main, San Diego, Calif.
Spreckels Sugar Co., 2 Pine, San Francisco, Calif.
Spriestersbach, Geo. W., auto accessories, Alamosa, Colo.
Spring City Foundry Co., Inc., Waukesha, Wis.
Spring City Mill Co., flour, Spring City, Tenn.
Spring Construction Co., Berkeley, Calif.
Spring Creek Roller Mill Co., flour, Huntersville, Ky.
Spring, G. W., sashes, doors & blinds, Crooksville, O.
Spring Garden Brick Co., (Ltd.), brick, York, Pa.
Spring Handle Co., carpet beaters, Abingdon, Ill.
Spring Hope Cotton Oil Co., Spring Hope, N. C.
Spring Leaf Lubricator Co., Ann Arbor, Mich.
Spring Porch Co., Stratford, Conn.
Spring River Stone Co., Carthage, Mo.
Spring Steel Fence & Wire Co., Anderson, Ind.
Spring Valley Iron Co., Wellston, Ohio.
Spring Valley Products Co., coal mines, Glen Ullin, N. D.
Spring Valley Stave & Heading Co., wagon spokes, Spring Valley, Wis.
Springbrook Canning Co., Springbrook, Ore.
Springer & Hargitt, speed limit engine stops, Hamilton, Ohio.
Springer & Rogers, contractors, New Philadelphia, Ohio.
Springer Bros., Mfg. Co., agric. implement mfrs., Edwardsville, Ill.
Springer, J. S., brick, Celina, Ohio.
Springer, W. E., & Co., whol. hdwe., 1101 Madison, Wilmington, Del.
Springer-Whitaker Fdry. Co., 939 N. 10th, Terre Haute, Ind.
Springets Mills, paper, York, Pa.
Springfield Abattoir Co., meat packers, Springfield, O.
Springfield Advanced Machine Co., Sringfield, O.
Springfield Aluminum Pattern Co., The, Springfield, O.

SPRINGFIELD ALUMINUM PLATE & CASTINGS CO., The, Springfield, O.

Springfield Automatic Screw Machine Corp., 655 Water St., Fitchburg, Mass.
Springfield Auto Lock Co., Springfield, O.
Springfield Belting & Supply Co., 216 Worthington St., Springfield, Mass.
Springfield Blanket Co., Holyoke, Mass.
Springfield Body Co., Circuit av. W. S., Springfield, Mass.
Springfield Boiler Co., Springfield, Ill.
Springfield Brass Co., Springfield, O.
Springfield Brick Co., 310 Main, Springfield, Mass.
Springfield Clay Mfg. Co., flower pots, Springfield, Ohio.
Springfield Coffin & Casket Co., Springfield, Ohio.
Springfield Commercial Body Co., 385 Liberty, Springfield, Mass.
Springfield Contractors' Supply Co., masons' & bldrs.' matls., Napier, Springfield, Mass.

SPRINGFIELD FACING CO., 315 Main St., Springfield, Mass.

Springfield Finished Castings Co., The, Springfield, O.
Springfield Foundry Co., 3215 Smallman, Pittsburgh, Pa. & Springfield, Mass.
Springfield Gas Fixture Co., Springfield, Ohio.
Springfield Hardware Co., dealers, Springfield, Ohio.
Springfield Harness Co., carriage joints, 55 Dwight, Springfield, Mass.
Springfield Iron Works, 3 Armory St., Springfield, Mass.
Springfield Lbr. Co., Springfield, La.
Springfield Mach. Co., 20 Cypress, Springfield, Mass.
Springfield Machine Tool Co., The, Springfield, O.
Springfield Mfg. Co., 307 Mountain Grove, Bridgeport, Conn.
Springfield Malleable Iron Co., Springfield, O.
Springfield Mattress Co., Springfield, Ill.
Springfield Metallic Casket Co., Springfield, O.
Springfield Mill & Grain Co., flour, Springfield, Ore.
Springfield Milling Co., flour, Springfield, Minn.
Springfield Planing Mill & Lumber Co., Springfield, O.
Springfield Planing Mill & Lumber Const. Co., Springfield, Mo.
Springfield Paving Brick Co., Springfield, Ill.
Springfield Plumbing Co., Springfield, Mo.
Springfield Provision Co., meat packers, Plainfield, Springfield, Mass.
Springfield Rendering Co., soap, Plainfield, Springfield, Mass.
Springfield Spring Co., Springfield, Ohio.
Springeld Tool Co., special tools, Second, Springfield, Mass.
Springfield Wagon Co., Springfield, Mo.
Springfield Waste Co., 109 Mill St., Springfield, Mass.
Springfield Webbing Co., 235 Mill, Springfield, Mass.
Springfield Wire Screen Co., Springfield, Ill.
Springfield Woolen Mills Co., Springfield, Tenn.
Springman Paper Products Co., easels, gaskets, paper, 1561 E. Milwaukee, Detroit, Mich.
Springman's, J. T., Sons, machinists, 904 7th, S. W., Washington, D. C.
Springsted & Adamson, contractors, 434 E. 107th, New York.
Springsteen Bros., contractors, Haverstraw, N. Y.
Springton Lbr. Co., Springton, Idaho.
Springville Canning Co., Springville, N. Y., & Springville, Utah.
Springwells Clay Pipe Co., Orion, Mich.
Sproul & MucGurrin Co., steam fitters' supplies, Grand Rapids, Mich.
Sproul, A. E., 35 E. 20th St., New York.
Sproul Co., E. W., 2001 W. Pershing Rd., Chicago.
Sproul, Matt., Co., agricultural implements, Sparta, Ill.

SPROUT, WALDRON & CO., Muncy, Pa.

Spruck, Henry, & Son, contractors, 304 Broad, Stapleton, N. Y.
Spruks Bros., contractors, Cedar av. & Orchard, Scranton, Pa.
Sprunk Engraving Co., 700 Marquette Bldg., Detroit, Mich.
Spuck Iron & Fdry. Co., 14th & Branch, St. Louis, Mo.
Spurbeck-Lambert Co., tubs, butter, Algona, Iowa.
Spurgin Mfg. Co., baths, blotter, 7011 Vincennes av., Chicago, Ill.
Spurr, J. J., & Sons, stone, Harrison, N. J.
Spyroseal Mfg. Co., piston rings, 1926 Gravois av., St. Louis, Mo.
Square D. Company, 6060 Rivard St., Detroit, Mich.
Square Turn Tractor Co., Norfolk, Neb.
Squibb & Sons, E. R., 36 Dogherty St., Brooklyn, N. Y.
Squibb-Carter-Squibb Co., corn millers & mfg. chemists, Lawrenceburg, Ind.
Squier & Co., lumber, Monson, Mass.
Squier Co., Ed. E., Federal Reserve Bank Bldg., St. Louis, Mo.
Squier Mfg. Co., Geo. L., 490 Broadway, Buffalo, N.Y.
Squire, John P., & Co., meat packers, Cambridge, Mass., & 265 Canal, Providence, R. I.
Squire, Jno. R., Co., cornices, Youngstown, O.
Squires, A. J., stone producers, Hulberton, N. Y.
Squires, B., flour mills, Cloverport, Ky.
Squires Co., C. E., E. 40th St. & Kelly Ave., Cleveland, O.
Squires Manufacturing Co., The C. W., Beverly, Mass.
Squires, Walter L., contractor, Tower av., Hartford, Conn.
Squirrel Hill Brick Co., Haldane & Connor Sts., Pittsburgh, Pa.
Staacke Lead Coating Works, Inc., Richard, North Bergen, Homestead, N. J.
Staar, Frank, cornices, 1473 N. Halsted, Chicago, Ill.
Staats & Co., Geo., 252 Lorimer St., Brooklyn, N. Y.
Staats, W. H., Co., change-making machs., Cohoes, N. Y.
Stabley, W. H., lumber, Felton, Pa.
Stacey Bros. Gas Construction Co., 5535 Carthage Pike, Cincinnati, Ohio.
Stacey, Eugene C., Tiffin, O.
Stacey Manufacturing Co., The, Elmwood Place, Cincinnati, O.
Stack Const. Co., Duluth, Minn.
Stack Heater Co., 39 Sudbury St., Boston, Mass.
Stackpole Carbon Co., St. Marys, Pa.
Stacy, E. S. Supply Co., machy. dlrs. & mill supplies, 43 Taylor, Springfield, Mass.
Staddon, Donald R., & Co., industrial chemists & engrs., 104-106 John, New York.
Stadeker Metal Specialty Co., wind shield cleaners, 329 W. Illinois st., Chicago, Ill.
Stadler, J. L. H., Rendering & Fertilizer Co., 908 Denison av., N. W., Cleveland, Ohio.
Stadler Photographing Co., 1322 Wabash Ave., Chicago.
Stadsvold, S. S., flour, Fosston, Minn.
Stadtler Auto Supply Co., 709 Rusk St., Houston, Tex.
Stafford & Holt, mchsts., Little Falls, N. Y.
Stafford Co., N., 96 Fulton St., New York.
Stafford Co., mchsts. & fndrs., looms, Reaville, Mass.
Stafford-Crandall Packing & Fishing Co., Wilmington, Calif.
Stafford Engraving Co., 750 Century Bldg., Indianapolis, Ind.
Stafford Inc., S. S., 603-9 Washington St., New York.
Stafford Machine Works, piston pins, 2630 Holmes, Kansas City, Mo.

STAFFORD MFG. CO., E. H., 367 W. Adams St., Chicago.

Pres.—E. H. Stafford.
V. P.—R. J. Innis.
2nd V. P.—W. H. Leonard.
Sec. & Treas.—E. M. Stafford.

Ionia, Mich.—R. J. Innis.
Paxton, Ill.—C. E. Palmblade.

Stafford Milling Co., flour, Martin, Tenn.
Stafford Roller Bearing Car Truck Corp., Main St., Lawton, Mich.
Stafford, Wright & Son, Lawrence, Mass.
Stafford's, Jas., Sons, horse & woolen blankets, Kram's av., Philadelphia, Pa.
Stagg, Geo. T., Co., distillers, Frankfort, Ky.
Stagg, Thos. E., & Son, sash, door & blind mfrs., Henrico Co., Richmond, Va.
Stagnaro Art Glass Wks., glass stainers, 10th & Webster, Oakland, Calif.
Stahl & Jaeger Inc., (Lithographers) 406 W. 31st St., New York.
Stahl & Rudolph, flour mills, Barlow, Ky.
Stahl Co., H. K., 2312 Wycliffe St., St. Paul, Minn.
Stahl Gear & Machine Co., 1390 E. 40th, Cleveland, Ohio.
Stahl, Geo. H., incubators & brooders, Quincy, Ill.
Stahl, H. E., mchsts., Trenton, N. J.
Stahl Mfg. Co., lubricators, 983 17th av., S. E., Minneapolis, Minn.
Stahl, Otto, meat packers, 2332 3d av., New York.
Stahl Rectifier Co., 1454 W. Congress st., Chicago, Ill.
Stahl Sprayer Co., Wm., Quincy, Ill.
Stahl, Wm. Sprayer Co., pumps, Quincy, Ill.
Stahmer, F. J., Shoe Co., Davenport, Ia.
Stalger Hdw. Co., Michigan City, Ind.
Stalman Bros., scrap rubber, Williamsport, Pa.
Stainthorpe, C. N., & Co., contr., masons' & bldrs.' matls., Lockport, N. Y.
Sta-Kleen Burner Co., Kokomo, Ind.
Stalcup, E. L., agricultural implements, Unionville, Mo.
Stalcup Mach. Shop & Garage, Unionville, Mo.
Staley, A. E., Mfg. Co., starch mfrs., Decatur, Ill.
Staley Elec. Elev. & Mach. Co., 153 Greene, New York.
Staley, H. B., Co., flour mills, Marion, Va.
Staley's Creek Manganese & Iron Co., Marion, Va.
Stalker Mfg. Co., bridle bits, 9 W. Broadway, New York.
Stall & Dean Mfg. Co., baseball gloves, 2339 Logan blvd., Chicago, Ill.
Stall & Dean Mfg. Co., sporting & athletic goods, Brockton, Mass.
Stallman Trunk Mfg. Co., The, 57 E. Spring St., Columbus, O.
Stallsmith, Geo. W., Gettysburg, Pa.
Stalnaker Steel Co., Frick Bldg., Pittsburgh, Pa.
Stambaugh-Thompson Co., The, Youngstown, O.
Stameets, Wm. K., mill & facty. supplies, Jenkins Arcade, Pittsburgh, Pa.
Stamford Fdry. Co., Stamford, Conn.
Stamford Gas Stove Co., Stamford, Conn.
Stamford Iron Works, Stamford, Conn.
Stamford Jobbing Fdy. Co., Stamford, Conn.
Stamford Masons' Supply Co., Stamford, Conn.
Stamford Mill & Elevator Co., flour, Stamford, Tex.
Stamford Motor Co., Stamford, Conn.
Stamford Oil Mill Co., meal, Stamford, Tex.
Stamford Rolling Mills Co., Inc., Springdale, Conn.
Stamford Rubber Sup. Co., Stamford, Conn.
Stamm, Jacob, flour mills, Iuka, W. Va.
Stamm Machine Works, Aurora, Ind.
Stamm, Max., scrap iron, Paterson, N. J.
Stamm, Scheele Mfg. Co., Ltd., Rayne, La.
Stamp Electric Hoist Co., 1500-17th St., San Francisco, Calif.
Stamp, J. M., lumber, Bonnieville, Ky.
Stamp, R. I., lumber ties, Des Arc, Mo.
Stamping & Tool Co., La Crosse, Wis.
Stampscott Co., paper mills, Hopewell, Va.
Stanage & Co., W. H., Pearl and Walnut Sts., Cincinnati, O.
Stanard Tilton Milling Co., cereal foods, Pierce Bldg., St. Louis, Mo.
Stanchfield, H. J., & Co., mill & facty. supplies, Lawrence, Mass.
Stancliff Well Screen & Mfg. Co., Houston, Tex.
Standard & Vulcanite Pen Co., fountain pen mfrs., 809 Lex. av., Brooklyn, N. Y.
Standard Accident Insurance Co., 640 Temple, Detroit, Mich.
Standard Acid Works, Continental Bldg., Baltimore, Md.
Standard Action Co., piano action, Cambridge, Mass.
Standard Alloy Wire Co., Elizabeth, N. J.
Standard Alloys Co., Vanadium Bldg., Pittsburgh, Pa.
Standard Aluminum Co., machsts., Two Rivers, Wis.
Standard American Dredging Co., Central Bldg., Los Angeles, Calif.
Standard Art Glass Works, mirrors, 3237 Adeline, Berkeley, Calif.
Standard Asbestos Co., 69 Beekman St., New York.
Standard Asbestos Mfg. Co., pipe covering, 822 W. Lake, Chicago, Ill.
Standard Asphalt & Refining Co., 208 S. La Salle St., Chicago.
Standard Auto Supply Co., 239 Halsey St., Newark, N. J.
Standard Auto. Accessory Co., Leipsic, Ohio.
Standard Auto Body Wks., 1501 Central av., Los Angeles, Calif.
Standard Automatic Machine Co., 860 Clinton St., Rochester, N. Y.
Standard Automatic Products Co., bolts, cap screws, etc., Corry, Pa.
Standard Basket Mfg. Co., fruit packages, Dept. H., Guntersville, Ala.
Standard Battery Mfg. Co., 1103 N. Main St., Ft. Worth, Tex.
Standard Battery Separator Co., 2444 E. 52d, Los Angeles, Calif.
Standard Bedding Co., 113-7 Chicago St., Milwaukee, Wis.
Standard Bindery Co., 227 W. 17th St., New York.
Standard Bithulithic Co., asphalt block paving contrs., 50 Church, New York.

STANDARD BOILER & PLATE IRON CO., THE, Niles, Ohio.

Pres. & Treas.—D. J. Finney.
V. P. & Sec.—C. W. Finney
Manager—W R. Gilbert.
Asst. Mgr.—G. R. Gilbert.

Standard Boiler Works, 1640 W. Hanford St., Seattle, Wash.
Standard Bolt & Forging Co., Clinton St. & Penna. Ry., Columbus, O.
Standard Bolt Corp., see American Bolt Corp. (successors).
Standard Bone Cutter Co., Milford, Mass.
Standard Box & Lumber Co., 55 E. Water, Portland, Ore.
Standard Box Co., Bryant & Beale, San Francisco, Calif.
Standard Braid Co., cotton banding, etc., Attleboro Falls, Mass.
Standard Brake Lining Co., Gleasondale, Mass.
Standard Brake Shoe & Foundry Co., Pine Bluff, Ark.
Standard Brass & Aluminum Foundry Co., 990 E. 67th, Cleveland, Ohio.
Standard Brass & Aluminum Foundry Co., castings, Syracuse, N. Y.
Standard Brass & Bronze Co., castings, bank railings, etc., 159 14th, San Francisco, Calif.
Standard Brass & Copper Tube Co., New London, Conn.

STANDARD BRASS & IRON WORKS, 1818 St. Paul Ave., Milwaukee Wis.

Pres.—Kenneth W. Jacobs.
V. P.—Adolf Schott.
Sec. & Treas.—Roy M. Jacobs.

Standard Brass Fdry., Anderson, Ind.
Standard Brass Fdry. Co., 990 E. 67th St., Cleveland, O.
Standard Brass Fdry., Ft. Burlington st., Portland, Ore.
Standard Brass Mfg. Co., elec. fixt., 1044 S. Los Angeles, Los Angeles, Calif.

Standard Brass Mfg. Co., Utica, N. Y.
Standard Brass Works, 97 Wight Ave., Detroit, Mich.
Standard Brazing Co., 45 Bromfield, Boston, Mass.
Standard Brick & Tile Co., 83-5th St., Portland, Ore.
Standard Brick Co., Stimson Bldg., Los Angeles, Calif.
Standard Brick Co., Macon, Ga.
Standard Brick Co., Crawfordsville, Ind.
Standard Brick Co., Charlestown, W. Va.
Standard Brick Mfg. Co., Evansville, Ind.
Standard Bridge Co., Omaha, Neb.
Standard Brush Co., New Hartford, Conn.
Standard Butter Cutter Co., 78 Murray, New York.
Standard Button Works, 417 6th av., New York.
Standard Cabinet Mfg. Co., Peru, Ind.
Standard Cabinet Works, bank fixtures, 1800 E. Washington, Los Angeles, Calif.
Standard Calorimeter Co., E. Moline, Ill.
Standard Canning Co., Noblesville, Ind.
Standard Car & Paper Co., 8 Spruce St., New York.

STANDARD CAR TRUCK CO., 1522 McCormick Bldg., Chicago.

Pres.—Lee W. Barber.
V. P.—J. T. Milner.
Secy. & Treas.—F. L. Barber.
Chief Engr.—E. W. Webb.

Standard Car Wheel Co., 6704 Bessemer Ave., Cleveland, O.
Standard Carbide Sales Co., Inc., 15 W. 37th St., New York.
Standard Carbon & Ribbon Co., The, 2 Farnsworth St., Boston, Mass.
Standard Carriage Co., 650 Broadway, Denver, Colo.
Standard Carton Co., 2908 S. Asotin, Tacoma, Wash.
Standard Cash Register Co., North Manchester, Ind.
Standard Cast Iron Pipe & Fdry. Co., Bristol, Pa.
Standard Casting Sales Co., 6568 Woodward St., Detroit, Mich.
Standard Castings Co., mchsts. & fndrs., Lansing, Mich.
Standard Cedar & Lumber Co., 511 Lumber Exchange, Minneapolis, Minn.
Standard Cement Construction Co., Inc., septic tanks, sewage disposal plants, etc., Castle Hayne rd., Wilmington, N. C.
Standard Charcoal Co., Bradford, Pa.
Standard Chemical & Oil Co., fertilizer mfrs., Troy, Ala.
Standard Chemical & Supp. Co., soap powders, 160 Second, Boston, Mass.
Standard Chemical & Supply Co., mfrs., soap, soap powder & cleansing materials, 172 Second, E. Cambridge, Mass.
Standard Chemical Co., 310 California, San Francisco, Calif.
Standard Chemical Co., terpineol, Bayonne, N. J.
Standard Chemical Co., Vanadium Bldg., Pittsburgh, Pa.
Standard Chemical Co., metal & furniture polish, compounds, etc., Houston, Tex.
Standard Chemical Co., Tacoma, Wash.
Standard Chemical Corp., Kalamazoo, Mich.
Standard Chemicals & Metal Corp., 89 Broad, New York.
Standard Churn Co., Wapakoneta, O.
Standard Cleaner Co., 136 W. Lake, Chicago, Ill.
Standard Clothes Dryer Co., 18 Burncoat, Worcester, Mass.
Standard Coach Pad Co., Wooster, Ohio.
Standard Coal Co., Framingham, Mass.
Standard Coffin & Casket Mfg. Co., 1029 W. Chicago av., Chicago, Ill.
Standard Color & Chemical Co., 268 Market, San Francisco, Calif.
Standard Comb Co., Leominster, Mass.
Standard Computing Scale Co., 30 Library, Detroit, Mich.
Standard Concrete Construction Co., 108 S. La Salle, Chicago, Ill.
Standard Concrete Steel Co., 105 W. 40th St., New York.
Standard Construction Co., Plymouth Bldg., Minneapolis, Minn.
Standard Construction Co., contractors, 153 Court, New Haven, Conn., & Farmers' Bk. Bldg., Pittsburgh, Pa.
Standard Contrg. Co., 51 E. 42d, New York.

STANDARD CONVEYOR CO. (formerly Minnesota Manufacturers' Ass'n), North St. Paul, Minn.

Standard Cooper Bell Co., 2606 Federal St., Chicago.
Standard Cooperage Co., Aberdeen, Wash.
Standard Corrugated Box Co., 5110-38 Penrose Ave., St. Louis, Mo.
Standard Coupler Co., 24 Couse, Bridgeport, Conn.
Standard Coupler Co., coupler & draft gear, 110 E. 42d, New York.
Standard Crayon Mfg. Co., Danvers, Mass.
Standard Crown Co., Lippincott, Monscher and Hancock Sts., Philadelphia, Pa.
Standard Crucible Steel Casting Co., 717-723 30th St., Milwaukee, Wis.
Standard Crushed Rock Co., crushed rock, 9 Main, San Francisco, Calif.
Standard Crystal Co., 274 Halsey St., Newark, N. J.
Standard Deep Well Pump Co., 1318 Santa Fe av., Los Angeles, Calif.
Standard Diamond Drill Co., 38 S. Dearborn St., Chicago.
Standard Diary Co., 26-32 Blackstone St., Cambridge, Mass.
Standard Die Casting Co., 600 S. Pierce St., Milwaukee, Wis.
Standard Die Specialty Co. of Calif., 3103 San Pablo av., Oakland, Calif.
Standard Die Stamping & Mfg. Co., The, Arrott Power Bldg., Pittsburgh, Pa.
Standard Door & Sash Co., Los Angeles, Calif.
Standard Drop Forge Co., Oakland, Cal.
Standard Dry Kiln Co., Harding & Belt Sts., Indianapolis, Ind.
Standard Egg Co., beaters, 27 Commercial, Boston, Mass.
Standard Elec. & Elevator Co., Baltimore, Md.
Standard Electric & Mfg. Co., fixture parts, Cedar Rapids, Iowa.
Standard Elec. Appliance Co., heating pads, Beverly, N. J.
Standard Elec. Fittings Co., junction boxes, Stamford, Conn.
Standard Elec. Mfg. Co., 941 Wrightwood Ave., Chicago.
Standard Electric Stove Co., The, 1713 N. 12th St., Toledo, O.
Standard Electric Supply Co., 223 N. 13th, Philadelphia, Pa.
Standard Electric Time Co., 89 Logan St., Springfield, Mass.
Standard Electric Tool Co., The, 123 Opera Pl., Cincinnati, O.
Standard Electric Welding Co., Emerald & Sargeant Sts., Philadelphia, Pa.
Standard Electrotype Co., 432 Duquesne St., Pittsburgh, Pa.
Standard Elevator Interlock Co., 16th & Sansom, Phila., Pa.
Standard Elsmere Granite Co., laundry tubs, 1752-56 N. Spaulding av., Chicago, Ill.
Standard Emarex Co., 208 S. La Salle St., Chicago.
Standard Emblem Co., Inc., pins, 1482 Broadway, New York.
Standard Engineering & Construction Co., Dallas, Tex.
Standard Engineering Co., contrs., 2124 Eye N. W., Washington, D. C.
Standard Engineering Co., Elwood City, Pa.
Standard Engineering Works, 289 N. Main St., Pawtucket, R. I.
Standard Envelope Co., 92 Bleecher, New York.
Standard Envelope Mfg. Co., 1572 E. 30th St., Cleveland, O.
Standard Envelope Sealer Mfg. Co., Somerville, Mass.
Standard Equipment Co., mill & facty. supplies, Mobile, Ala.
Standard Equipment Co., The, 63 Foote St., New Haven, Conn.
Standard Equip. Co., auto parts, Lorain & W. 106th, Cleveland, Ohio.
Standard Export Lumber Co., New Orleans, La.
Standard Extinguisher Co., 24 Binford, Boston, Mass.
Standard Felt Co., felts & piano hammers, Alhambra, Calif.
Standard Fence Co., wire & iron works, 60th & Lowell, Oakland, Calif.
Standard Fertilizer Co., Gainesville, Fla., Los Angeles, Calif., & Meigs, Ga.
Standard Felt Co., 404 S. Wells St., Chicago.
Standard Fibre Co., Somerville, Mass.
Standard Fire Brick Co., Pueblo, Colo.
Standard Fire Clay Co., common brick, Fallston, Pa.
Standard Fire Clay Co., New Brighton, Pa.
Standard Fire Escape Co., 23 S. Western Ave., Chicago.
Standard Flaked Food Co., Owosso, Mich.
Standard Flux Mfg. Co., 947 W. 20th St., Chicago.
Standard Forgings Co., Railway Exchange Bldg., Chicago.
Standard Forgings Co., 80 E. Jackson Blvd., Chicago, Ill.
Standard Foundries, Dennison & King, Oakland, Calif.
Standard Foundry & Mfg. Co., De Kalb, Ill.
Standard Fdry. & Mfg. Co., 2717 E. 75th St., Cleveland, O.
Standard Foundry Co., 743 Hertel Ave., Buffalo, N. Y.
Standard Fdry. Co., Inc., grey iron castings, Round Brook, N. J.
Standard Fuel Engineering Co., 667-687 Post St., S., Detroit, Mich.
Standard Fuel Oil Engine Co., Willoughby, Ohio.
Standard Furn. Co., Dept. H, 901 S. 5th, Nashville, Tenn.
Standard Furn. Co., 2722H S. 3d, St. Louis, Mo.
Standard Furnace & Range Co., Louisville, Ky.
Standard Furnace & Supply Co., Omaha, Neb.
Standard Furniture Co., Herkimer, N. Y.
Standard Galvanizing Co., hot process galvanizing, 2619 W. Van Buren, Chicago, Ill.
Standard Gas Eng. Co., Oakland, Cal.
Standard Gas Products Co., welding & cutting apparatus, Atlanta, Ga.

STANDARD GAUGE STEEL CO., Beaver Falls, Pa.
District Offices:

Chicago, Ill.—1240 Old Colony Bldg.
Philadelphia, Pa.—611 Harrison Bldg.
Detroit, Mich.—650 Baltimore Ave., West.
New York—52 Vanderbilt Ave.
Boston, Mass.—Oliver Bldg.

Standard Gear Co., 5928-38 S. Commonwealth Ave., Detroit, Mich.
Standard Glass & Paint Co., Des Moines, Iowa.
Standard Glass Co., bottles, Marion, Ind.
Standard Glass Specialty Co., laboratory apparatus, Morgantown, W. Va.
Standard Glove Works, 334 6th, San Francisco, Calif.
Standard Gramaphone Appliance Co., see Kirkman Engineering Corp. (successors).
Standard Granite Co., Barre, Vt.
Standard Graphite Co., 1812 S. Flower st., Los Angeles, Calif.
Standard Grease Cup Co., Chicago. (See Wm Robertson & Co.)
Standard Gypsum Co., Sharon Bldg., San Francisco, Calif. and Ludwig, Nev.
Standard Handle Co., 75 Barclay, New York.
Standard Hardwood Lbr. Co., 1333 Clinton St., Buffalo, N. Y.
Standard Heater Co., Williamsport, Pa.
Standard Htg. & Radiator Co., Penn & Barbeau Sts., Pittsburgh, Pa.
Standard Heating Co., htg. contrs. & mill supps., Hoboken, N. J.
Standard Heel & Counter Co., Carr & 11th, St. Louis, Mo.
Standard Hoop Co., Ltd., Bay City, Mich.
Standard Horse Nail Co., New Brighton, Pa.
Standard Horse Shoe Co., 131 State St., Boston, Mass.
Standard Improved Truck Co., 53 W. Jackson, Chicago.
Standard Index Card Co., 707 Arch St., Philadelphia, Pa.
Standard Industrial Engng. Corp., contrs., Sharon Bldg., San Francisco, Calif.
Standard Ink & Color Co., 129 Atkins Ave., Brooklyn, N. Y.
Standard Inland Mfg. Co., E. State St., Trenton, N. J.
Standard Insulation Co., E. Rutherford St., Rutherford, N. J.
Standard Iron & Steel Co., steel mfrs., 146 Winchester av., New Haven, Conn.
Standard Iron & Wire Works, 510 E. 10th St., Chattanooga, Tenn.
Standard Iron Co., Ltd., Montreal, P. Q., Canada.
Standard Iron Foundry, machsts. & fndrs., 53 Dobbin, Brooklyn, N. Y.
Standard Iron Works, 508 E. 74th, New York & San Diego, Calif.
Standard Iron Works, machsts. & fndrs., Spartanburg, S. C.
Standard Iron Works Co., archl. & structural steel for bldgs., etc., 1 Lawrence, New Haven, Conn.
Standard Iron Wks., Inc., 508-10 E. 74th St., New York.
Standard-Johnson Co., Inc., 10 Court Square, Long Island City, N. Y.
Standard Kid Mfg. Co., 4th & Monroe, Wilmington, Del.
Standard Knitting Co., sweaters, cardigans, 2202 Superior av., N. E., Cleveland, Ohio.
Standard Leather Co., 60 Franklin, Brockton, Mass.
Standard Lime & Stone Co., Equitable Bldg., Baltimore, Md.
Standard Lime & Stone Co., Fond du Lac, Wis.
Standard Lime Co., Kendrick, Fla.
Standard Linseed Co., oils car, Willey & Big 4 & R. R. Cleveland, Ohio.
Standard Lock Co., 111-13 Himrod St., Brooklyn, N. Y.
Standard Lumber Co., Birmingham, Ala.
Standard Lumber Co., Pine Bluff, Ark.
Standard Lumber Co., Live Oak, Fla.
Standard Machine & Elec. Co., Indianapolis, Ind.
Standard Machine & Tool Co., 3d & Canal St., Dayton, O.
Standard Machine Co., gasoline hoists, 252 Townsend, San Francisco, Calif.
Standard Mach. Co., Dayton, Ohio.
Standard Mach. Key Mfg. Co., Poughkeepsie, N. Y.
Standard Mach. Mfg. Co., Carthage, Mo.
Standard Machinery Co., Auburn, R. I.
Standard Machinery Co., The, 419 Chapel St., New Haven, Conn.
Standard Machy. Co., gas tractors, Schleisingerville, Wis.
Standard Machy. Co., Mystic, Conn., & Providence, R. I.
Standard Machy. & Supply Co., see Buckner-Woodard Co. (successor).
Standard Magnesia Co., Franklin, Pa.
Standard Malleable Casting Co., Terre Haute, Ind.
Standard Malleable Co., The, Zanesville, O.
Standard Malleable Iron Co., Muskegon Heights, Mich.
Standard Mfg. & Supply Co., 30 N. 4th St., Philadelphia, Pa.
Standard Mfg. Co., wind shields, 315 W. Pico, Los Angeles, Calif.
Standard Mfg. Co., folding chairs, Cambridge City, Ind.
Standard Mfg. Co., boxes, Council Bluffs, Ia.
Standard Mfg. Co., canvas gloves, Lockport, N. Y.
Standard Mfg. Co., woolen & steel tray barrows, ash cans, 41 Cortlandt, New York.
Standard Mfg. Co., hand vacuum cleaners, Syracuse, N. Y.
Standard Mfg. Co., Shelby, O.
Standard Mfg. Co., window display fixtures, Xenia, O.
Standard Mfg. Co., 715 W. Spokane av., Seattle, Wash.
Standard Mfg. Co., Appleton, Wis.
Standard Marble Co., Rome, Ga.
Standard Marble Granite & Stone Co., 1474 MacAdam, Portland, Ore.
Standard Marble Works, 708 W. Front St., Cincinnati, O.
Standard Meat & Live Stock Co., Sand Creek, Denver, Colo.
Standard Mechanical Equip. Co., switchboards, stage lights & wire reels, Dallas, Tex.
Standard Metal Bed Refinishing Co., machsts. & fndrs., Foreland & James, N. S., Pittsburgh, Pa.
Standard Metal Co., The, 135 S. Penn St., Indianapolis, Ind.
Standard Metal Goods Co., piston pins & rings, 2080 E. 30th, Cleveland, Ohio.
Standard Metal Mfg. Co., auto & phonograph horns, rectifiers, 237 Chestnut, Newark, N. J.
Standard Metal Products Co., concrete mixers, steel plate work, etc., 558 Bryant, San Francisco, Calif.
Standard Metal Spinning Co., 138 Mott St., New York.
Standard Metals Mfg. Co., 1300-2 N. Main St., Los Angeles, Cal.
Standard Metalwork Co., Thompsonville, Conn.
Standard Meter & Mfg. Co., 433 W. 42d, New York.
Standard Mill Supply Co., 39 Exchange pl., Providence, R. I.
Standard Mirror Co., 155 Harrison St., Buffalo, N. Y.
Standard Mosaic Tile Co., 4551 5th av., Chicago.
Standard Motion Pictures, Mallers Bldg., Chicago.
Standard Motor Construction Co., 182 Whiton St., Jersey City, N. J.
Standard Motor Products Co., bearings & bushings, 63 Page, San Francisco, Calif.
Standard Motor Truck Co., 315 Bellevue Ave., Detroit, Mich.
Standard Music Roll Co., Orange, N. J.
Standard Nov. Works, porch swings, sleds, etc., Duncannon, Pa.
Standard Nut & Bolt Co., Valley Falls, R. I.
Standard Oil Co. of Calif., 200 Bush, San Francisco, Calif.
Standard Oil Company (Indiana), 910 S. Michigan Ave., Chicago.
Standard Oil Co. of Kentucky, lubrg. oils, Louisville, Ky.
Standard Oil Co., of La. Baton Rouge, La.
Standard Oil Co. of New York City, 26 Broadway, N. Y
Standard Oil Co. of Ohio, East Ohio Gas Bldg., Cleveland, O.
Standard Oil Engine Co., Bridgeport, Conn.
Standard Oilcloth Co., 320 Broadway, New York.
Standard Oiled Clothing Co., 810 E. 152d, New York.
Standard Optical Co., Geneva, N. Y.
Standard Oven Co., Oliver Bldg., Pittsburgh, Pa.
Standard Overall Co., 701 W. Pratt, Baltimore, Md.
Standard Oxygen Co., 216 E. 42d, New York.
Standard Paint & Lead Wks., Willey & Big 4 Cleveland, O.
Standard Paint Co., The (Now The Ruberoid Company), Woolworth Bldg., New York.
Standard Paper Box Co., 146 E. Woodbridge St., Detroit, Mich.
Standard Paper Co., Kalamazoo, Mich.

STANDARD PAPER MFG. CO., Richmond, Va.

Standard Parts Co., 124 W. 66th, Cincinnati, Ohio.
Standard Parts Co., The, motor, vehicle, aeroplane parts etc., Cleveland, Ohio.
Standard Pattern Co., 28th & Spruceway, Pittsburgh, Pa.
Standard Pattern Works Co., 5333 St. Clair Ave., Cleveland, O.
Standard Pattern Works, Erie, Pa.
Standard Paving Co., contrs., Modesto, Calif.
Standard Paving Co., contrs., San Antonio, Tex.
Standard Paving Co., 1101 S. Cicero av., Chicago, Ill.
Standard Pencil Co., adv. nov., 1824 Locust, St. Louis, Mo.
Standard Pipe Covering Co., 3748 E. 71st, Cleveland, O.
Standard Pipe & Supply Co., 949 Date, Los Angeles, Calif.
Standard Piston Ring Co., 1306 Commonwealth av., Boston, Mass.
Standard Planing Mill Co., Ashland, Ky.
Standard Planing Mill Co., tanks, Lincoln, Neb.
Standard Plate Glass Co., Butler, Pa.
Standard Plating Works, Inc., 268 First, San Francisco, Calif.
Standard Plating Works, electro plating, 446 N. 12th, Philadelphia, Pa.
Standard Plating Works, York, Pa.
Standard Player Hdwe. Co., 512 W. 36th, New York.
Standard Playing Card Co., 412 Orleans St., Chicago.
Standard Plumbing & Heating Co., Inc., 421 First av., Spokane, Wash.
Standard Plumbing Supply Co., St. Ann's Ave., & 159th St., New York.
Standard Plunger Elevator Co., Stafford St., Worcester, Mass.
Standard Pneumatic Action Co., 638 W. 52d, New York.
Standard Porcelain Co., nail-knobs, E. Liverpool, Ohio.
Standard Portland Cement Co., Leeds, Ala.
Standard Portland Cement Co., 221 Crocker Bldg., San Francisco, Cal.
Standard Portland Cement Co., Charleston, S. C.
Standard Pottery Co., East Liverpool, Ohio.

STANDARD PRESSED STEEL CO., Jenkintown, Pa.

Pres.—H. T. Hallowell.
V. P.—H. F. Gade.
Sec.—J. F. Roberts.

Branch Offices:
ILL.—Chicago—Franklin 3453.
MASS.—Boston—Main 2397.
N. Y.—New York.
O.—Cincinnati.

Distributors:
ALA.—Mobile—Turner Supply Co.
Montgomery—Alabama Machinery & Sup. Co.
Johnson Tire & Auto Co.
CAL.—Los Angeles—Bodinson Mfg. Co., 67658.
Fairbanks, Morse & Co., 879-311.
R. M. Hartwell Co., Main 0303.
Herberts Machinery & Sup. Co., Broadway 6299.
Link-Belt-Meese & Gottfried Co.
Pacific Mill & Mine Supply Co., Metropolitan 0441.
Shaw-Palmer-Bakewell Co., Metropolitan 2396.
Union Machinery & Supply Co., 613-17.
Waterhouse & Lester Co., 821-271.
San Diego—Hazard, Gould & Co., Main 820.
Machinery Supply Co.
San Francisco—Bodinson Mfg. Co., Sutter 6614-6613.
Fairbanks, Morse & Co., Douglas 5585.
General Machinery & Sup. Co., Sutter 6750.
Horsford res., Ine., Karny 1298.
C. W. Marwedel, Douglas 4150.
Meese & Gottfried Co., Mission 345.
Pacific Mill & Mine Sup. Co., Inc., Karny 4120.
Waterhouse & Lester Co., Garfield 4040.
San Jose—Smith Mfg. Co.
COLO.—Denver—M. L. Foss.
Hendrie & Bolthoff Mfg. & Supply Co.
Mine & Smelter Sup. Co.
Hamburger Tool & Supply Co., Geo.
Pueblo—Stearns-Rogers Mfg. Co.
CONN.—Bridgeport—Lindquist Hardware Co.
Hartford—L. L. Ensworth & Son.
Norwich—Norwich Belt Mfg. Co.
Winsted—Merwin & Brown.
DEL.—Wilmington—Delaware Electric & Sup. Co.
D. C.—Washington—James B. Lambie Co.
FLA.—Jacksonville—Farquhar Machinery Co.
Maisby Machinery Co.
Miami—Lyne Foundry Machine Co., C. H.
Orlando—Cain-O'Berry Sup. Co.
Tampa—Cameron & Barkley Co.
Exchange Supply Co.
Knight & Wall.
GA.—Atlanta—Fulton Supply Co.
Augusta—Lombard Iron Works & Sup. Co.
Macon—J. S. Schofield's Sons Co.
Taylor Iron Works & Sup. Co.
Rome—Battery Machinery Co.
Savannah—Georgia Supply Co.
ILL. — Chicago — R. R. Street & Co., 3450.
Moline—Thos. Dunn & Sons.
Peoria—Hagerty Bros.
Rockford—Sword Bros.
IND.—Anderson—May Supply Co.
Evansville—The Laib Co.
Fort Wayne—National Mill Supply Co.
Kokomo—Kokomo Supply Co.
Marion—Marion Hardware Co.
Muncie—Geo. Keiser & Co.
Richmond—Jones Hdwe. Co.
South Bend—South Bend Supply Co.
Terre Haute—Industrial Supply Co.
IA.—Cedar Rapids—C. E. Fawcett.
Des Moines—Iowa Machinery & Supply Co.
KANS.—Hutchinson—Nelson Mfg. & Supply Co.
Wichita—White Star Co.
KY.—Louisville—Belknap Hardware & Mfg. Co.
Laib Co.
E. D. Morton & Co.
Owensboro—Wright Machine Co., The.
LA.—Monroe—Weaks Supply Co.
New Orleans—A. Baldwin & Co., Ltd.
Cornwell & Kenny.
C. T. Patterson Co.
Oliver H. Van Horn.
ME.—Auburn—Darling Automobile Co.
Bangor—Union Iron Works.
Lewiston—Carman-Thompson Co.
Portland—Edwards & Walker Co.
MD.—Baltimore—Carey Machinery & Sup. Co.
Kemp Machinery Co.
Hagerstown—Foltz Mfg. & Supply Co.
Salisbury—R. D. Grier & Son.
MASS.—Boston—B. & B. Company, Congress 6085.
Chandler & Farquhar, Main 7670.
Lynd-Farquhar Co., Congress 4737.
Lewis E. Tracy Co., Congress 1836.
Brockton—Kimball Bros. & Sprague.
Fall River—Jefferson Borden & Son.
Fitchburg—Fitchburg Hardware Co.
Haverhill—Haverhill Machine Co.
J. L. Collins Machine Co.
Holyoke—Chase & Coolidge Co.
Lawrence—Treat Hdwe. Corp.
New Bedford—S. C. Lowe Supply Co.
Pittsfield—Berkshire Mill Supply Co.
Peirson Hardware Co.
Springfield—Carlisle Hardware Co.
The Hannan-Finton Co.
Chas. C. Lewis Co.
E. S. Stacy Supply Co.
Taunton—Pierce Hardware Co.
Turner Falls—F. I. Webster Co.
Worcester—Brierly-Lombard Co.
MICH.—Detroit—Palmer-Bee Co., Empire 2592.
Flint—Hubbard Hardware Co.
Muskegon—Lake Shore Machinery Co.
MO.—Joplin—Joplin Supply Co.
Kansas City—English Tool & Supply Co., Main 5557.
St. Joseph—Jamieson Machine Co.
St. Louis—Colcord-Wright Machy. & Supply Co., Olive 4885.
Manufacturers Supplies Co., Olive 1464.
Sligo Iron Stores Co., Tyler 3050.
Springfield—Schweitzer Bros.
MONT.—Billings—Billings Auto & Machine Co.
Butte—Western Iron Works.
Great Falls—Great Falls Iron Works.
Missoula—Missoula Mercantile Co.
NEB.—Fremont—Fremont Foundry & Machine Co.
Omaha—American Supply & Machinery Co.
N. H.—Concord—Page sifting Co.
Hinsdale—W. T. Robertson & Co.
Manchester—John B. Varick Co.
Nashua—Hill Hardware & Paint Co.
N. J.—Bound Brook—Central Cycle Co.
Elizabeth—Kirby-Stack Hardware Co.
Irvington—Newark Hardware Co.
Newark—Lincoln Products Co.
Morris Machinery Co., Inc.
Paterson—H. W. Mills & Co.
J. A. Van Winkle Co.
Trenton—Machine & Tool Equipment Co.
Standard Supply & Equipment Co.
N. Y.—Amsterdam—John E. Larrabee Co.
Albany—Albany Hardware & Iron Co.
Wing & Son Corp., R. B.
Binghamton—Ellis W. Morse & Co.
Brooklyn—Borge Rolland.
Bush Terminal Hardware Co.,
Kasper & Koetzle Hardware Co.
Buffalo—Beals, McCarthy & Rogers.
Carthage—Kyther & Pringle Co.
Elmira—Horton Machine Works.
Long Island—Long Island Hardware Co.
New York—Franklin Hardware Co., Franklin 8630.
H. C. Griffin Company, Canal 3516.
Adam Kalb, Canal 5393.
Millard Hardware Co.
Neal & Brinker Co., Worth 9360.
Patterson Bros., Barclay 8320.
Frank Tracy, Canal 8996.
Van Vechten & Son, Barclay 4273.
Poughkeepsie—Tiffany Diamond Garage.
Rochester—Sidney B. Ruby Co.
Rome—Warwell Hardware Co.
Syracuse—Syracuse Supply Co.
Troy—Troy Belting & Supply Co.
Utica—Chas. Millar & Son Co.
N. C.—Charlotte—Charlotte Supply Co.
Elizabeth City—Elizabeth City Iron Works & Supply Co.
Gastonia—Gastonia Mill Supply Co.
Greensboro—Odell Mill Supply Co.
High Point—Beeson Hardware Co.
New Bern—Hyman Supply Co.
Raleigh—Thos. H. Briggs & Sons.
Washington—McKeel-Richardson Hdwe. Co.
Winston-Salem—Crawford Mill Supply Co.
J. A. Vance Co.
OHIO—Akron—Hardware & Supply Co., Main 2420.
Mill & Mine Supply Co.
Canton—Yohe Supply Co., Wm. S.
Cincinnati—L. G. Freeman Co.
Cleveland—Cleveland Tool & Supply Co.
Pattison Supply Co., W. M.
White Tool & Supply Co.
Columbus—Osborne & Sexton Machinery Co.
East Liverpool—Milligan Hdwe. & Supply Co.
Elyria—Elyria Belting & Machinery Co.
Fremont—Winters Hardware Co.
Marietta—American Iron & Supply Co.
New Philadelphia—Buckeye Tool & Supply Co.
Portsmouth—Standard Supply Co.
Salem—The Deming Co.
Springfield—M. D. Larkin Supply Co.
Service Products Corp.
Toledo—Coughlin Machinery & Supply Co.
Ubrichsville—Gallagher Bros.
Xenia—Bockley Supply Co.
OKLA.—Tulsa—International Supply Co.
ORE.—Medford—Hubbard Bros.
Portland—Link-Belt-Meese & Gottfried Co.
Link-Belt Northwest Co.
Preer Tool & Supply Co.
PA.—Allentown—Lehigh Valley Supply Co.
Wm. H. Taylor & Co.
Chester—Baley Hardware Co.
Erie—Erie Mfg. & Supply Co.
Weller Supply Co., H. P.
Greensburg—Seiler, Alvin.
Harrisburg—Henry Gilbert & Son.
Raub Supply Co.
Hazelton—Hazelton Machinery & Supply Co.
Jenkinstown—Wm. G. Fleck & Bros.
Lancaster—Cummings, Bevis & Levan.
Reilly Bros. & Raub.
Manayunk—F. E. Maurer.
Norristown—Quillman Hardware Co., Benj.
Philadelphia—Arrow Machinery Co., Spruce 2604.
Auto Equipment & Service Co., Poplar 3510.
Berrodin Auto Supply Co., Poplar 4458.
Casanave Supply Co.
Paul J. Devitt, Lombard 2769.
J. A. Dwyer, Spruce 2257.
Eddy Hardware Co., Belmont 3350.
Johnston Belting Co.
Geo. E. Kitson Co.
Robert L. Latimer & Co., Market 03-35, Main 56-21.
Maddock & Co., Market 2763.
Mill Specialties Co., Market 0297.
Moore & Weisbrod Co., Lombard 0490.
O'Brien Machinery Co., Bell, Market 0727; Keystone, Main 6742.
Powell, Clouds Co., Market 2115.
J. Jacobs Shannon & Co., Spruce 1774.
Standard Supply & Equipment Co., Locust 4150.
Theo. C. Uumer, Kensington 1620.
Wm. P. Walters Sons Co.
Pittsburgh—Colonial Supply Co., Court 1042.
Tranter Mfg. Co., Court 0600.
Scranton—Bittenbender Co.
Wilkes-Barre—Eastern Penna. Supply Co.
York—Geo. F. Motter's Sons.
R. I.—Providence—B. & H. Supply Co.
Brownell Machinery Co.
Providence Auto Equip. Co.
S. C.—Charleston—Cameron & Barkley Co.
Columbia—Columbia Supply Co.
TENN.—Chattanooga—Mills & Lupton Supply Co.
Knoxville—W. J. Savage Co.
TEX.—Austin—John Heiserman & Son.
Beaumont—E. L. Wilson Hdwe. Co.
Lufkin—Lufkin Foundry & Machine Co.
Marshall—E. B. Hayes Machinery Co.
Orange—Orange Iron Works.
Sabine Supply Co.
San Antonio—Kruger Machinery Co.
Waco—June Machinery Co., D.
UTAH—Salt Lake City—Salt Lake Hardware Co.
VT.—Rutland—Lincoln Iron Works.
St. Johnsburg—O. V. Hooker & Son.
VA.—Norfolk—Empire Machinery & Supply Co.
Henry Walke Co.
Petersburg—Appomattox Iron Works & Supply Co.
Richmond—James McGraw, Inc.
WASH.—Aberdeen—Gray Harbor Hdwe. Co.
Bellingham—Morse Hdwe. Co.
Everett—Lloyd Co.
Seattle—Link-Belt-Meese & Gottfried Co.
Link-Belt Northwest Co.
Puget Sound Machy. Dept.
Spokane—Marshall-Wells Co.
Union Iron Works.
Tacoma—Sterling Machinery Co.
Walla Walla—Walla Walla Iron Works.
W. VA.—Charleston—Capital City Supply Co.
Clarksburg—West Virginia Mine Supply Co.
Huntington—Miller Supply Co.
Morgantown—Monongahela Supply Co.
Parkersburg—Parkersburg Machinery Co.
Wheeling—Berry Supply, Chas. H.
WIS.—Green Bay—Bay Verte Machinery Supply Co.
Janesville—Bicknell Mfg. & Supply Co.
Milwaukee—Factory Equipment Co.
Gross Hardware & Supply Co., Phillip.
Western Iron Stores.
Sheboygan—J. J. Koepsell Co.

Standard Printing Co., coin wrappers, Pittsburgh, Pa.
Standard Printing Ink Co., 1644 Providence, Cincinnati, O.
Standard Process Steel Corp., grey iron castings, Phillipsburg, N. J.
Standard Publishing Co., gum labels, Vineland, N. J.
Standard Pulley Co., The, 1738 Fowers st., Cincinnati, O.
Standard Pump & Engine Co., 730 Carroll av., Akron, O.
Standard Radiator Co., Inc., Springville, N. Y.
Standard Radio & Electric Co., Pawtucket, R. I.
Standard Radio & Equipment Co., 477 S. 10th, Newark, N. J.
Standard Radio Co., choke coils, Los Angeles, Calif.
Standard Rail & Steel Co., 1103-16 Boatmen's Bank Bldg., St. Louis, Mo.
Standard Railway Equipment Co., 20 W. Jackson Blvd., Chicago.
Standard Railway Gate Company, Saginaw, Mich.
Standard Railway Supply Co., S. E. Cor. Dane & Knowlton Sts., Cincinnati, O.
Standard Ry. Supp. Co., 4229 Fergus, Cincinnati, Ohio.
Standard Range & Stove Co., 32 Union, Boston, Mass.
Standard Recording Co., North Manchester, Ind.
Standard Red Cedar Chest Co., Altavista, Va.
Standard Register Co., The, Albany & Big Four Dayton, O.
Standard Refining Co., sugar, syrups & molasses, 217 West, New York.
Standard Refractories Co., silica brick, etc., Claysburg, Pa.
Standard Regulator Co., 282 South, Newark, N. J.
Standard Rice Co., Inc., Crowley, La.
Standard Ring Traveler Co., tex. machy., supplies, etc., 81 N. Water, New Bedford, Mass.
Standard Rivet Co., 41 Lincoln St., Boston, Mass.
Standard Rock & Gravel Co., Inc., 205 W. San Fernanda Blvd., Burbank, Calif.
Standard Roller Bearing Co. (Now Standard Steel & Bearings, Inc.), Philadelphia, Pa.
Standard Roller Mills Co., flour, Cerulean, Ky.
Standard Rolling Mills Co., 363 Hudson Ave., Brooklyn, N. Y.
Standard Rubber Co., pump valves, 47 Tehama, San Francisco, Calif.

STANDARD SAFETY EQUIPMENT CO., 408 N. Michigan Ave., Chicago.

Pres.—Geo. M. Dickson.
Sec.—L. E. Dickson.
Newark, N. J.—30 Clinton St., A. U. Barnes, Mgr.

Standard Safety Nut Corp., 30 Church St., New York.
Standard Safety Tread Co., Malden, Mass.
Standard Salt & Cement Co., Duluth, Minn.
Standard Sand & Machine Co., 5151 St. Clair Ave., Cleveland, O.
Standard Sanitary Mfg. Co., Bessemer Bldg., Pittsburgh, Pa.
Standard Sanitary Pottery Co., 1122 Elizabeth Ave., Elizabeth, N. J.
Standard Sash & Door Co., 5809 S. Racine av., Chicago, Ill. & Seattle, Wash.

STANDARD SAW MILL MACHINERY CO. (Export Dept.), 43 Cedar, New York.

Standard Scale & Mfg. Co., Des Moines, Ia.

STANDARD SCALE & SUPPLY CORP. THE, 1631 Liberty Ave., Pittsburgh, Pa.

Pres.—W. N. Haines.
V. P.—John Gammell, D. L. Daly.
Sec. & Treas.—R. H. Chappel.

Branch Offices & Distributors:
ALA.—Birmingham—Rice & Cowles Scale Co.
CALIF.—San Francisco—James Geddes Co., 773 Mission St., Douglas 2432.
ILL.—Chicago—Standard Scale & Supply Corp., 169 N. May St., Haymarket 7430.
MICH.—Detroit—Michigan Scale & Supply Co., 240 Woodbridge St., West Main 7512.
N. Y.—Buffalo—Geo. C. Habicht, Electric Bldg., Seneca 2966.
New York—Snyder & Ryan, Inc.
Standard Scale & Supply Corp., 145 Chambers, Whitehall 8340.
O.—Cleveland—Standard Scale & Supply Corp.
Columbus—Reeves Machy. Co.
PA.—Philadelphia—Standard Scale & Supply Corp.
Pittsburgh—Standard Scale & Supply Corp.
TENN.—Knoxville—Webster & Co.
W. VA.—Clarksburg—West Virginia Mine & Supply Co.
Huntington—The Miller Supply Co.
Wheeling—A. Friebertshauser's Sons.

Standard School Heater Co., warm air furnaces, 453 N. Racine, Chicago, Ill.
Standard Scientific Co., Barrow & 4th St., New York.
Standard Screen & Mfg. Co., 3216 S. Main, Los Angeles, Calif.
Standard Screen Co., 1858 Hastings St., Chicago.
Standard Screw & Rivet Co., New Haven, Conn.
Standard Screw Co., Hartford, Conn.
Standard Screw Products Co., 2559H Bellevue, Detroit, Mich.
Standard Seamless Tube Co., 313 6th Ave., Pittsburgh, Pa.
Standard Seamless Tube Co., steel tubing, Ambridge, Pa.
Standard Separator Co., 45th Ave. & Burnham St., Milwaukee, Wis.
Standard Sewer Pipe Works, Rome, Ga.
Standard Sewing Machine Co., 6402 Cedar av. S. E., Cleveland, Ohio.
Standard Shade Roller Co., Ogdensburg, N. Y.
Standard Sheet Metal Works, Washington, Pa., & Fresno, Calif.
Standard Shoe Machinery Co., 600 Essex, Lawrence, Mass.
Standard Shop Equipment Co., Inc., 82nd & Tinicum Sts., Philadelphia, Pa.
Standard Silicate Co., 4710 Paddock rd., Cincinnati, O.
Standard Silicon Co., sand, etc., Ridgway, Pa.
Standard Slag Co., Youngstown, Ohio.
Standard Slatted Pipe Co., Higgins Bldg., Los Angeles, Calif.
Standard Slide Corp., 209 W. 48th, New York.
Standard Smelting & Refining Co., 547 W. 21st St., New York.
Standard Soap Co., West Berkeley, Cal.

Standard Soap Mfg. Co., 118 Bernon St., Woonsocket, R. I.
Standard Specialty Co., Jenkins Arcade Bldg., Pittsburgh, Pa.
Standard Spec. & Tube Co., machsts., New Brighton, Pa.

STANDARD SPRING & MFG. CO., 237 42d, Brooklyn, N. Y.

Standard Spring Co., 232 E. Ontario St., Chicago.
Standard Stained Shingle Co., North Tonawanda, N. Y., 280 Madison Ave., New York.
Standard Stamp Affixer Co., Everett, Mass.
Standard Stamp Affixer Co., Somerville, Mass.
Standard Stamping & Die Co., 155 33rd St., Brooklyn, N. Y.
Standard Stamping Co., B'way & Chambers, St. Louis, Mo.
Standard Stamping Co., (Now The Armstrong Mfg. Co.), Huntington, W. Va.
Standard Steam Specialty Co., 542 W. Broadway, New York.
Standard Steel & Bearings, Inc., Plainville, Conn.
Standard Steel & Wire Company, 1960 Southport Ave., Chicago.
Standard Steel Box Co., Bridgeville, Pa.
Standard Steel Car Co., Frick Bldg., Pittsburgh, Pa.
Standard Steel Castings Co., 3311 W. 73rd, Cleveland, O.
Standard Steel Co., Ltd., Montreal, P. Q., Can.
Standard Steel Equipment Co., 82nd & Tinicum, Philadelphia, Pa.
Standard Steel Products Co., anti-skid chains, 1002 E. 12th, Oakland, Calif.
Standard Steel Products Co., merchants, Warren, Ohio.
Standard Steel Propeller Co., Vanadium Bldg., Pittsburgh, Pa.
Standard Steel Sections Inc., 608 E. 133rd St., New York.

STANDARD STEEL TUBE CO., Fitchland & Detroit Sts., Toledo, O.

STANDARD STEEL WORKS CO., 1420 Spring Garden St., Philadelphia, Pa.

Standard Stoker Co., Inc., Grand Cent. Terminal, New York.
Standard Stone & Brick Co., Bellaire, Ohio.
Standard Stove Lining Co., Taunton, Mass.
Standard Supply & Equip. Co., 17th & Lehigh Sts., Philadelphia, Pa.
Standard Supply & Equipment Co., 2101 Beale av., Altoona, Pa.
Standard Supply & Hdwe. Co., 828H Tchoupitoulas, New Orleans, La.
Standard Supply Co., mill & factory supplies, Wilmington, N. C.
Standard Supply Co., oil & gas well, Scio, Ohio.
Standard Syrup Co., canned, 1017 Chouteau, St. Louis, Mo.
Standard Tank & Seat Co., 314-318 N. Front St., Camden, N. J.
Standard Tank Car Co., Arcade Bldg., St. Louis, Mo.
Standard Tank Car Co., iron & shell plate constr., 342 Madison av., New York.
Standard Textile Co., cotton batting, Glens Falls, N.Y.
Standard Textile Products Co., The, 320 Broadway, New York.
Standard Thermometer Co., 65 Shirley St., Boston, Mass.
Standard Thread Co., 292 Av. B, New York.
Standard Tin Plate Co., Canonsburg, Pa.
Standard Tire & Rubber Co., pneumatic tires, 811 E. Sixth, Boston, Mass.
Standard Tire & Rubber Mfg. Co., Willoughby, Ohio.
Standard Tobacco Stemmer Co., tobacco machy., 2nd av & 56th, Brooklyn, N. Y.
Standard Tool Co., comb & celluloid machy., 300 Whitney, Leominster, Mass.
Standard Tool Co., 6900-7000 Central Ave., Cleveland, O.
Standard Tool Mfg. Co., 202 2nd, San Francisco, Calif.
Standard Top & Equipment Co., 1849 E. 65th, Cleveland, Ohio.
Standard Towel Co., Newton, N. J.
Standard Toy & Mfg. Co., Lakeview, Wash.
Standard Trailer Co., Cambridge Springs, Pa.
Standard Transformer Co., Warren, O.
Standard Trunk Co., 535 B'way, New York.
Standard Turnbuckle Co., Corry, Pa.
Standard Turning Works, Cambridgeport, Mass.
Standard Ultramarine Co., 5th Ave. & 25th St., Huntington, W. Va.

STANDARD UNDERGROUND CABLE CO., 17th & Pike Sts., Pittsburgh, Pa.

Standard Union Co., 7 Water St., Boston, Mass.
Standard Upholstering Co., furn., 1500 Central av., Los Angeles, Calif.
Standard Valve Gear Co., 1212 Oakwood Ave., Toledo, O.
Standard Varnish Co., Port Richmond, Staten Island, New York.
Standard Varnish Works, 443-Fourth Ave., New York.
Standard Vending Mach. Co., fly killers, Hazleton, Pa.
Standard Ventilator Co., Lewiston, Pa.
Standard Wall Paper Co., Hudson Falls, N. Y.
Standard Water Systems Co., Hampton, N. J.
Standard Wax & Import Co., 110 E. 42nd, New York.
Standard Wheel Co., 13th & Plum Sts., Terre Haute, Ind.
Standard Whip Co., Westfield, Mass.
Standard Whol. Phosphate Co., acid phosphate & fertilizer mfrs., Continental Bldg., Baltimore, Md.
Standard Wire Cloth & Screen Co., York, Pa.
Standard Wire Co., New Castle, Pa.
Standard Wiring Mach. Co., bundling machy., 363 Flushing av., Brooklyn, N. Y.
Standard Wood Co., bundle wood, 90H West, New York.
Standard Wood Nov. Co., 446-450 Water, New York.
Standard Wood Pipe Co., Williamsport, Pa.
Standard Woodenware Co., Inc., baskets & brooms, 830 Traction av., Los Angeles, Calif.
Standard Woven Fabric Co., Now Multibestos Company, Walpole, Mass.
Standart Bros. Hdwe. Corp., 501 Jefferson Ave., West, Detroit, Mich.
Standart Portland Cement Corp., Crocker Bldg., San Francisco, Calif.
Stander, Jacob, bedstead mfrs., 754 Park av., Brooklyn, N. Y.
Standley Skid Chain Co., Inc., Boone, Iowa.
Standpipe, J. M., Constr. Co., ship bldrs., Vancouver, Wash.
Stanfield, M. B., weather strips, 535 Tusculum av., Cincinnati, Ohio.
Stanford-Crowell Co., adv. signs, Ithaca, N. Y.
Stanford Steel Products Co., The, Milford, Conn.
Stanford University Dept. of Engineering, engng. schools & coll., San Francisco, Calif.
Stange, A. H., Co., lbr., Merrill, Wis.
Stangel & Boekling, contrs., Peru, Ill.
Stanislaus Lumber Co., Modesto, Calif.

STANLEY & PATTERSON, INC., 250 West St., New York.
Pres.—G. L. Patterson.
Treas.—G. B. Anthony.
Sec.—A. E. Farrenkope.
Birmingham, Ala.—Jefferson County Bank Bldg.
Boston, Mass.—12 Pearl St.
Buffalo, N. Y.—Mutual Life Bldg.
Chicago—730 W. Monroe St.
Cleveland, O.—30 Euclid Arcade Bldg.
Denver, Colo.—1156 Seventh St.
Detroit, Mich.—2217 Dickerson Ave.
Havana, Cuba—Abreu Bldg.
Los Angeles, Cal.—310 E. 4th St.
Louisville, Ky.—Kenyon Bldg.
Philadelphia, Pa.—Real Estate Trust Bldg.
Pittsburgh, Pa.—305 7th Ave.
Salt Lake City, Utah—Dooly Bldg.
San Antonio, Tex.—303 S. Pinto St.
San Francisco, Cal.—171 2nd St.
Seattle, Wash.—Seaboard Bldg.

STANLEY BELTING CORP., 13-15 N. Jefferson St., Chicago.

Stanley Bronze Co., fndrs., 85 Holland av., Bridgeport, Conn.
Stanley, C. C., canned goods, Hollins, Va.
Stanley, Calrow L., file & rasp mfr., Lowell, Mass.
Stanley Chemical Co., babbitt metal, paints, varnishes, etc., East Berlin, Conn.
Stanley Co., Geo. W., Belleville, Ill.
Stanley Co., Inc., J. T., 640 W. 30th St., New York.
Stanley Construction Co., 6 S. Division, Buffalo, N. Y.
Stanley Fdry. Co., Grand Rapids, Mich.
Stanley, H. A., canned goods, Bedford, Va.
Stanley Hoist & Machine Co., 620 W. 25th St., New York.
Stanley Insulating Co., 200 Fifth Ave., New York.
Stanley, J. P., Lbr., Fort Payne, Ala.
Stanley, James, soap, 430 W. 29th, New York.
Stanley, Jno. T., soap, metal polish, 123 N. 4th, Philadelphia, Pa.
Stanley Journal of Machinery, trade publications, 1206 S. Hill, Los Angeles, Calif.
Stanley Lumber Co., H. F., Millsaps Bldg., Jackson, Miss.
Stanley Mfg. Co., name plates, 46 Cannon, Dayton, O.
Stanley Motor Carriage Co., Newton, Mass.
Stanley, O., architect, Bardstown, Ky.
Stanley Reinforced Concrete Co., pipe, Centralia, Wash.
Stanley Rule & Level Co., The, (See Stanley Works) New Britain, Conn.
Stanley Ship Bldg. Co., Shooters Island, S. I., N. Y.
Stanley-Smith Lumber Co., Hood River, Ore.
Stanley Steel Welded Wheel Corp., 40 Court St., Boston, Mass.
Stanley Washer Co., The, Shrewsbury, Mass.

STANLEY, WILLIAM W., 62 White St., New York.

Stanley Works, New Britain, Conn.
Stannard, C. A., Emporia, Kan.
Stannard Iron Foundry, New Haven, Conn.
Stannard Machine Co., F. C. Dooly Blk., Salt Lake City, Utah.
Stannard Mfg. Co., bolts, expansion, 371 Allen, Springfield, Mass.

STANNARD POWER EQUIPMENT CO., 1220-21-22 Monadnock Blk., Chicago.

Stansbury Co., H. O., 415 Commerce St., Philadelphia, Pa.
Stansbury, Daniel R., htg. contr., 1304 H, N. W., Washington, D. C.
Stansbury, J. E., contrs., 2852 Penn av., Baltimore, Md.
Stansbury, Jas. H., sash, door & blind mfrs., Hollis, N. Y.
Stant, Geo., Mach. Works, Connersville, Ind.
Stanton, E. J., & Son, lumber, Los Angeles, Calif.
Stanton Foundry & Machine Co., Palatka, Fla.
Stanton Heater Co., Martins Ferry, O.
Stanton-Reed-Hibbard, contrs., Metropolitan Bldg., Los Angeles, Calif.
Stantonsburg Lbr. Co., Stantonsburg, N. C.
Stanwood Lumber Co., Stanwood, Wash.
Stanwood Mfg. Co., adv. novelties, 3 Tremont Row, Boston, Mass.
Stanwood Mill Co., White Bldg., Seattle, Wash.
Stanwood Motor Car Co., Fullerton Bldg., St. Louis, Mo.
Stapf & Benfer, contrs., Harrisburg, Pa.
Staple Post Mold Co., Westerville, O.
Staples & Cutten, Daytona, Fla.
Staples & Gould, mill & facty. supplies, Milford, Mass.
Staples & Hanford Co., Newburgh, N. Y.
Staples & Hartman, carriages, Stroudsburg, Pa.

STAPLES & PFEIFFER, 528 Bryant St., San Francisco, Cal.

Staples Brick Co., Kingston, N. Y.
Staples Co., H. F., Medford, Mass.
Staples, Harvey E., carriages, Brooks, Me.
Star & Crescent Co., turkish towels, Lehigh av. & Hancock, Philadelphia, Pa.
Star & Crescent Milling Co., mill feed, 104th & Calumet, Chicago, Ill.
Star Aluminum Co., aluminum ware, Ashland, Ohio.

STAR BIT & TOOL CO., THE, 1015-9th St., Rockford, Ill.

Star Box & Printing Co., cartons, Dept. H, 214 Boyce, Chattanooga, Tenn.
Star Box & Lumber Co., 81 Tompkins, New York.
Star Brass Foundry, 128 Exchange, Worcester, Mass.
Star Brass Mfg. Co., 53 Oliver St., Boston, Mass.
Star Brass Works (now Binks Spray Equipment Co.). 3114 Carroll Ave., Chicago.
Star Brass Works, Kalamazoo, Mich.
Star Brass Works, cocks & valves, 804 1st av. S, Seattle, Wash.
Star Brick Co., Des Moines, Iowa.
Star Bros. Bell Co., East Hampton, Conn.
Star Bucket Pump Co., 1218 N. 15th, St. Louis, Mo.
Star Button Works, 53 W. 28th, New York.
Star Canning Co., Republic, Mo., & Roy, Utah.
Star Carriage Co., Seattle, Wash.
Star Clay Co., Mertztown, Pa.
Star Cornice Skylight & Roofing Works, 569 3d av., New York.
Star Corrugated Box Co., 372 South St., New York.
Star Cut Stone Co., Persons & W. Shore R. R., Buffalo, N. Y.
Star-Delta Electrical Works, generators, 250 Fremont, San Francisco, Calif.
Star Drilling Machine Co., The, 475 Washington St., Akron, Ohio.
Star Dynamo Co., Jefferson City, Mo.
Star Egg Carrier & Tray Mfg. Co., Rochester, N. Y.
Star Elec. Co., fire alarm signal boxes, Binghamton, N. Y.
Star Elec. Co., ground connection clamps, 533 Pine, Philadelphia, Pa.
Star Electric Motor Co., 245 N. J. R. R. av., Newark, N. J.
Star Electrical Co., Erie, Pa.
Star Electrode Works (of Nat. Carbon Co.), Niagara Falls, N. Y.
Star Engineering & Lubricating Co., 525 9th Ave., New York.
Star Expansion Bolt Co., 1470 Cedar St., New York.

STAR FELT CUTTING CO., George Bartlett, Proprietor, 260-69th St., Brooklyn, N. Y.

Star Foundry Co., Covington, Ky.
Star Foundry Co., Albert Lea, Minn.
Star Furnace Co., Leipsic, O.
Star Furn. Co., Dept. H, Jamestown, N. Y.
Star Fuse Co., Inc., 168 Centre St., New York.
Star Glass Co., lamp chimney, Star City, W. Va.
Star Glass Co. (Ltd.), Medford, N. J.
Star Grain & Lumber Co., masons' & bldrs.' matls., Wellsville, Kan.
Star Granite Co., Barre, Vt.
Star Hame Mfg. Co., Blanchester, Ohio.

STAR HEAD LIGHT & LANTERN CO., 15 Caledonia Ave., Rochester, N. Y.
Pres. & Treas.—A. W. Jacobs.
Asst. Treas.—I. K. Klagenberg.
Supt.—Frank J. Whittkas.

Star Heel Plate Co., Wilson Ave., Newark, N. J.
Star Iron & Steel Co., iron forgings & structural steel, 435 E. 11th, Tacoma, Wash.
Star Iron Works, Punxsutawney, Pa.
Star Jack Co., Bloomfield, Ind.
Star Knitting Co., knitted gloves, La Crosse, Wis.
Star Lime Co., Hannibal, Mo.
Star Lock Works, 110 S. 8th, Philadelphia, Pa.
Star Mach. Co., Marietta, Ohio.
Star Machinery Co., 207 Horton St., Seattle, Wash.
Star Mfg. Co., hand soap, 331 Summer, Stamford, Conn.
Star Mfg. Co., Carpentersville, Ill.
Star Mfg. Co., Leominster, Mass.
Star Mfg. Co., agr. impits., New Lexington, Ohio.
Star Mattress Facty., Clifton & Claremont, Oakland, Calif.
Star Metal Box Co., 509 W. 19th St., New York.
Star Mill & Elevator Co., flour, Hennessy, Okla.
Star Milling Co., flour, Aurora, Ind.
Star Milling Co., flour, Buckhannon, W. Va.
Star Music Co., pianos, 6027 Indiana, Chicago, Ill.
Star Nickel Plating Works, Maschr. & Turner, Philadelphia, Pa.
Star Oil Co., 538 S. Clark St., Chicago.
Star Ornamental Iron & Wire Works, 2525 Frazier, Pittsburgh, Pa.
Star Paint & Varnish Co., 1211 W. 65th St., Cleveland, O.
Star Paper Dish Co., Richmond, Va.
Star Pea Huller Co., machsts., Chattanooga, Tenn.
Star Peerless Wall Paper Mills, Joliet, Ill.
Star Pin Co., Derby, Conn.
Star Pin Co., hair pins, Shelton, Conn.
Star Planing Mill Co., sashes, doors & blinds, Mount Sterling, Ky.
Star Plating Wks., 98 B'way, Buffalo, N. Y.
Star Plbg. Supply Co., 919 E. Lombard, Baltimore, Md.
Star Pointer Pump Mfg. Co., paint & white wash spraying machines, Menasha, Wis.
Star Porcelain Co., Muirhead Ave., Trenton, N. J.
Star Refining Co., smelters & refiners, 116 W. First, Boston, Mass.
Star Ribbon Mfg. Co., woven labels, 117 E. 24th, New York.
Star Sand Co., Board of Trade Bldg., Portland, Ore.
Star Seeder Co., Shortsville, N. Y.
Star Sheet Metal Mfg. Co., 1530 Westlake W, Seattle, Wash.
Star Specialty Co., beaters (egg & cream), Ashland, O.
Star Specialty Mfg. Co., 229 W. Erie St., Chicago.
Star Stone Co. (of Chicago), Bloomington, Ind.
Star Stoneware Co., Crooksville, Ohio.
Star Tank Co., Goshen, Ind.
Star Theatrical Lighting Co., 965 Folsom, San Francisco, Calif.
Star Tiling Co., Bluff St., near Gist, Pittsburgh, Pa.
Star Tool & Knife Wks., 16 Ritch, San Francisco, Calif.
Star Tractor Co., Findlay, Ohio.
Star Watch Case Co., Ludington, Mich.
Star Webbing Works, Brockton, Mass.
Starbird, C. V., lbr., Strong, Maine.
Starbuck & Son, R. M., 54 Allyn St., Hartford, Conn.
Starch Bros. Co., machsts. & fndrs., La Crosse, Wis.
Starchbroom Publishing Co., 415 Pioneer, Cincinnati, O.
Starck Piano Co., P. A., 210 S. Wabash Ave., Chicago.
Stark & Co., James E., Plumb & I. C. R. R., Memphis, Tenn.
Stark & Co., N. M., Des Moines, Ia.
Stark Brick Co., East Canton, O.
Stark Car Coupler Corp., Strasburg, Va.
Stark-Davis Co., 188 4th St., Portland, Ore.
Stark, F. M., 61 E. 53rd St., Brooklyn, N. Y.
Stark Foundry Co., The, Canton, O.
Stark, Hy., & Co., cornices, 2105 Gravois, St. Louis, Mo.
Stark-Inland Machine Works, 611 N. Jefferson, St. Louis, Mo.
Stark Paper Co., North Bennington, Vt.
Stark, R. I., furn., Dept. H, 825 Taylor, Scranton, Pa.
Stark Rolling Mill Co., Now United Alloy Steel Corp., Canton, O.
Stark, T., & Co., contractors, Cedar Rapids, Iowa.
Stark Textile Co., auto binding, Valatie, N. Y.
Stark Tool Co., Waltham, Mass.
Starke, Adolph, Estate of, 575 Columbia St., Brooklyn, N. Y.
Starke, C. H., Dredge & Dock Co., 216 Water, Milwaukee, Wis.

STARKE'S DIXIE PLOW WORKS, INC., Richmond, Va.

Starks Mfg. Co., The, 3 Main St., Kansas City, Mo.
Starkweather & Williams Co., 47 Exchange Pl., Providence, R. I.
Starr Bros. Bell Co., E. Hampton, Conn.
Starr, C. M., Mfg. Co., machsts., South Bend, Ind.
Starr Co., E. F., Guilford Ave. & Center St., Baltimore, Md.
Starr, D. H., auto top & carriage bows, Highland, N. Y.
Starr Engrg. Co., (Refrig. App.), 90 West St., New York.
Starr Granite & Marble Wks., Corry, Pa.
Starr, J. G., & Son, harness, saddles & strap wk. mfrs., Decatur, Ill.
Starr Mfg. Co., Ltd., Dartmouth, N. S., Can.
Starr Package Machy. Co., Northampton, Mass.
Starr Piano Co., Richmond, Ind.
Starr, W. C., & Son Co., chains, Indianapolis, Ind.
Starratt & Jones Co., 72 Greene St., New York.
Starrels, Morris & Co., bathing suit mfrs., 2122 E. Arizona, Philadelphia, Pa.
Starrett Bros., contrs., 103 Park av., New York.

Starrett Co., L. S., Athol, Mass.
Stary & Sons, F. (Meter Boxes), Cedar Rapids, Ia.
Staso Laminated Slate Co., 111 N. Market St., Chicago.
Sta-Stuk Co., tube patches, 139 S. Vermont, Los Angeles, Calif.
State College of Mines, engng. school & coll., Rapid City, S. D.
State Coll. of Wash., coll. of mechanic arts and engng., Pullman, Wash.
State Constr. Co., 37th & Meridian, Indianapolis, Ind.
State Constr. Co., 131 E. State, Columbus, Ohio.
State Improvement Co., contrs., Crocker Bldg., San Francisco, Calif.
State Lbr. Co., Columbia Falls, Mont.
State Mfg. Co., boiler compounds, 3545 E. 76th, Cleveland, Ohio.
State Mfg. & Engineering, electric saws, 2826 W. Lake, Chicago, Ill.
State Oil Co., compounds, sweeping, Lincoln, Neb.
Staten Island Shipbuilding Co., Port Richmond, Staten Island, N. Y.
Staten Island Supply Co., mill & facty. supplies, 398 Bay, West New Brighton, N. Y.
States Chemical Co., 701 Fulton, Chicago, Ill.
States Company, The, 72 Francis Ave., Hartford, Conn.
States Contracting Co., 38 S. Dearborn, Chicago, Ill.
States Motor Car Mfg. Co., Kalamazoo, Mich.
Statesir Lumber Co., Freehold, N. J.
Statesman Co., adv. signs, Marshall, Mich.
Statesville Brick Co., Statesville, N. C.
Statesville Cotton Oil Co., Statesville, N. C.
Statesville Flour Mill Co., Statesville, N. C.
Statesville Furn. Co., Dept. H, Statesville, N. C.
Statesville Show Case Co., Statesville, N. C.
Stathem-Cosler Co., canned goods, Newport, N. J.
Station-Airy Co., elec. clothes washers, 10930 W. Madison, Cleveland, Ohio.
Stationers Engraving Co., 3123 Carroll Ave., Chicago.
Stationers' Loose Leaf Co., 432-446 Broadway, Milwaukee, Wis.
Stationers Specialty Corp., 211 Centre St., New York.
Statom Boiler Wks., Anniston, Ala.
Staton-Moore Canning Co., Fruitland, Md.
Staude, E. G., Mfg. Co., paper box machy. & auto attachments, St. Paul, Minn.
Staude Mfg. Co., E. G., 2675 University Ave., St. Paul, Minn.
Staudte & Reuckoldt Mfg. Co., store & bar fix., 112 Soulard, St. Louis, Mo.
Stauffer, A. T. B., lumber, Bechtelsville, Pa.
Stauffer Chemical Co., 624 California, San Francisco, Calif.
Stauffer, Eshleman & Co., Ltd., New Orleans, La.
Stauffer, Jos. R., coke mfr., Scottdale, Pa.
Stauffer, P., cornices, asphalt, roofing, etc., Moberly, Pa.
Stauffer, Van Avery Co., cornices & skylights, Eldora, Ia.
Staunchwood Shops, woodwork, 97 Lincoln, Flushing, N. Y.
Staybestos Mfg. Co., Germantown Ave. & Berkley St., Philadelphia, Pa.
Stayner & Daly, lbr., Salt Lake City, Utah.
Stazon Paint Makers, Inc., Norwich, N. Y.
Steacy & Wilton Co., Wrightsville, Pa.
Steacy-Schmidt Mfg. Co., (Castings, plate work, kilns, cement machinery, etc.) York, Pa.
Stead, James, & Son, leather, Lowell, Mass.
Stead, Robt., 1516 K N. W., Washington, D. C.
Steadley, F. W., & Co., marble & stone producers, Dept. H, Carthage, Mo.
Steadman, Frank, pianos, Yonkers, N. Y.
Steam Carriage Boiler Co., see Otis Boiler Co. (successor).
Steam Economy Co., 1524 E. 62nd St., Chicago.
Steam Motors Co., The, Myrick Bldg., Springfield, Mass.
Stearns & Co., E. C., 100 Oneida St., Syracuse, N. Y.
Stearns & Culver Lbr. Co., L'Anse, Mich.
Stearns & Foster Co., cotton felts, mattresses, etc., Wyoming & William, Lockland, Ohio.
Stearns & McKay, Marblehead, Mass.
Stearns & White Co., chemicals, 859 N. Franklin, Chicago, Ill.

STEARNS, A. T., LUMBER CO., builders finish, tanks, vats, lumber, etc., 100 Taylor, Boston, Mass.

Stearns Coal & Lbr. Co., Ludington, Mich.
Stearns Co., F. B., Euclid Ave. & Lakeview Rd., Cleveland, O.
Stearns Co., The, 133 W. Lake St., Chicago.
Stearns Company, The, 1035 E. 28th St., Erie, Pa.

STEARNS CONVEYOR CO., St. Clair av., & E. 200 st., Cleveland, Ohio.

Stearns Elec. Paste Co., insecticides, Peoples Gas Bldg., Chicago, Ill.
Stearns, F. M., & Co., pipe joints, cements, Jamestown, N. Y.
Stearns, Fitch & Co., china kilns, Springfield, Ohio.
Stearns Gas Engine Wks., Los Angeles, Calif.
Stearns, Joel M., see Webster, F. I. Stearns Co. (successor).
Stearns Lime & Stone, 105 S. La Salle St., Chicago.
Stearns Lime Co., Danbury, Conn.
Stearns Lumber & Export Co., Pensacola, Fla.
Stearns Lbr. & Shingle Co., Stearnsville, Wash.
Stearns Lumber Co., A. T., Neponset, Boston, Mass.
Stearns Lbr. Co., J. S., Odanah, Wis.
Stearns Mfg. Co., 1001-7 N. Main St., Los Angeles, Cal.
Stearns Motor Mfg. Co., Ludington, Mich.
Stearns Register Co., 617 Fort, E., Detroit, Mich.
Stearns-Roger Mfg. Co., 1633 California St., Denver, Colo.
Stearns Salt & Lumber Co., Ludington, Mich.
Stearns Stamping Co., W. H., 167 Commercial St., Worcester, Mass.
Stearns, W. H., Stamping Co., sheet metal stamping, 167 Commercial, Worcester, Mass.
Steatite Electric Products Corp., Yorktown Heights, N. Y.
Stebbings, W. L., archl consulting engrs., 53 W. Jackson Blvd., Chicago, Ill.
Stebbins & Sons, Wallace, 100 S. Chas St., Baltimore, Md.
Stebbins, E., Mfg. Co., fndrs., 16 Belvidere, Springfield, Mass.
Stebbins Eng. & Mfg. Co., Watertown, N. Y.
Stebbins, H. R., Lumber Co., 89 State, Boston, Mass.
Stebbins Hdwe. Co., mill & facty. supplies, 15 W. Van Buren, Chicago, Ill.
Stebbins Mfg. Co., E. Birnie St., Springfield, Mass.
Stebbins Mfg. Co., laundry machy., 1737 Blake, Denver, Colo.
Stebbins Oil & Gasoline Co., 607 Atlas Life Bldg., Tulsa, Okla.
Stebbins, Wm. C., mill & facty. supplies, Watertown, N. Y.
Steber Mach. Co., Utica, N. Y.
Stebinger Bros., contrs., Worcester Bldg., Portland, Ore.
Stebler Parker Co., Inc., fruit packers machy., 171 9th, Riverside, Calif.
Stecher & Speirein Co., adv. nov. & spec., 65 W. Houston, New York.
Stecher Co., Inc., The Chas., 2452 Greenview Ave., Chicago.
Stecher Lithographic Co., adv. post cards, Rochester, N. Y.
Steck, Geo., & Co., pianos, 605 E. 132d, New York.
Stecker Elec. & Mach. Co., junction boxes, gas igniters, 117 E. Atwater, Detroit, Mich.
Stecker Paper Box Co., 1420 W. Fort St., Detroit, Mich.
Stedman Co., Inc., J. H., So. Braintree, Mass.
Stedman, F. C., Co., meat packers, Athens, Ohio.
Steedman, J. H., Lbr. Co., Norwood, Ga.
Stedman, M. W., rakes, Tyringham, Mass.
Stedman's Foundry & Machine Works, Aurora, Ind.
Steel & Iron Products Co., concrete reinforcing matls., 1911 Emerson av., Chicago, Ill.
Steel & Taylor Co., metal buttons, 133 W. 25th, New York.
Steel & Torrance Co., Inc., mill & facty. supplies, Batavia, N. Y.
Steel & Tin Products Co., 2100 Aliceanna St., Baltimore, Md.
Steel & Wire Co., steel structl. wk., 533 N. 13th, Philadelphia, Pa.
Steel Back File & Ledger Co., 1422 Altgeld St., Chicago.
Steel Barrel Co. of America, 29 Broadway, New York.
Steel Barrel Co. of America, Lister av. south of Lockwood, Newark, N. J.
Steel Basket Co., Cedar Rapids, Iowa.
Steel Bros., contrs., Winkinsburg, Pa.
Steel Cabinet & Equipment Co., The, Canton, O.
Steel Car Co., 10 Euclid Ave., Cleveland, O.
Steel Car Forge Co., Frick Bldg., Pittsburgh, Pa.
Steel Cities Chemical Co., Birmingham, Ala.

STEEL CITY ELECTRIC CO., 1207-1221 Columbus Ave., Pittsburgh, Pa.
Atlanta, Ga.—183 Marietta St.
Boston, Mass.—10 High St.
Buffalo, N. Y.—Mutual Life Bldg.
Chicago—222 Lomax Place.
Dallas, Tex.—1320 Commerce St.
Denver, Colo.—1160 Seventh St.
Detroit, Mich.—Dime Bank Bldg.
Indianapolis, Ind.—Odd Fellows Bldg.
Los Angeles, Cal.—340 Azusa St.
New Orleans, La.—509 Conti St.
New York—71 W. 23rd St.
Philadelphia, Pa.—Penfield Bldg.
Portland, Ore.—53 4th St.
Richmond, Va.—American Nat. Bank Bldg.
St. Louis, Mo.—Chemical Bldg.
San Francisco, Cal.—453 Second St.
Seattle, Wash.—1252 First Ave., S.
Buenos Aires—Cable Uruguay, Arg. Rep.
Canadian Representative—Hathaway & Knott, 16 Hudson St., New York.

Distributors:
ALA.—Birmingham—Matthews Elec. Sup. Co., Main 1966.
Moore-Handley Hdwe. Co., Main 7741.
Western Electric Co., Ave. A and 21st St., Main 684.
ARIZ.—Phoenix—Arizona Hdwe. Sup. Co.
CAL.—Los Angeles—Electric Corp., 836 S. Los Angeles, Pico 624.
Graham Reynolds Electric Co., 300 E. 3rd, 105-55.
Illinois Electric Co., 261 S. Los Angeles, Main 2927.
Listenwalter & Gough, 328 E. 3rd, Broadway 937.
Los Angeles Electric Sup. Co., 541 S. Los Angeles, Main 3373.
Pacific States Electric Co., 236 S. Los Angeles, Main 6446.
Pelton & Levee.
Stewart Electric Co.
Western Electric Co., 301 E. 8th, 106-39.
Western Light & Fixture Co., 301 S. Los Angeles, 604-03.
Oakland—Electric Supply Co.
Gilson Electrical Supply Co., 304 12th. Lakeside 2265.
Western Electric Co., 12th & Harrison, Oakland 722.
Sacramento—C. H. Carter Co.
Thompson-Diggs Co.
San Diego—A B C Electric Co.
Elec. Supplies Distributing Co.
San Francisco—Alexander & Lavenson Elec. Sup. Co., 138 2nd, Sutter 2097.
Baker Hamilton & Pacific Co., 700 7th, Park 9000.
Dunham, Carrigan, Hayden Co., Kansas and Division, Park 9500.
Electric Appliance Co., 807 Mission, Sutter 4910.
Fobes Supply Co., 123 Mission, Karny7780.
Ed. Jones Hdwe. & Tool Co., 1172 Market, Market 995.
Pacific States Electric Co., 575 Mission, Sutter 7301.
Western Electric Co., 608 Folsom, Sutter 6546.
COLO.—Denver—Central Elec. Sup. Co., 1716 Lawrence, Main 7562.
Hendrie-Bolthoff Mfg. & Sup. Co., 1639 17th, Main 75.
Mine & Smelter Co., 17th & Blake, Main 515.
Mountain Electric Co., 1623 Glenarm, Main 923.
New England Electric Co., 1951 Lawrence, Main 610.
Poindexter Supply Co., 1440 Stout, Main 594.
Western Electric Co., 1425 Curtis, Main 2460.
CONN.—Hartford—Hartford Elec. Supply Co., Bushnell 1652.
Southern New England Elec. Co., 2-4117.
Meriden—Connecticut Elec. Equip. Co.
New Haven—Western Electric Co., 135 Wood St., Colony 7540.
Waterbury—Sprague Elec. Sup. Co., 6800.
D. C.—Washington—Carroll Elec. Co., 714 12th, Main 7320.
Garrett-Miller & Co.
Doubleday-Hill Elec. Co., 715 12th N. W., Main 4681.
National Electrical Supply Co., 1330 New York Ave., Main 6800.
FLA.—Jacksonville—Florida Elec. Supply Co., Phone 674.
Holt Electric Co., Phone 4651.
Western Electric Co., 334 E. Bay St., Jacksonville 149.
Tampa—Pierce Electric Co., Phones 3444 & 2037.
GA.—Atlanta—Carter Electric Co., Phone Main 6172.
Southern Elec. Supply Co., Phone Main 4505.
Western Electric Co., 117 Walton St., Ivy 2261.
Savannah—Western Electric Co., 111 W. Broad St., Savannah 2330.
ILL.—Chicago—American Elec. Supply Co., 117 S. Morgan St., Haymarket 3804.
Ashland Electric Co., 1517 Haddon Ave., Haymarket 0158.
Central Electric Co., 320 S. Wells St., Wabash 2160.
Commonwealth Edison Co., 72 W. Adams St., Randolph 1280.
Continental Elec. Sup. Co., 5650 S. Halsted St., Normal 6700.
Co-Operative Elec. Supply Co., 120 N. Union Ave., Haymarket 9502.
Englewood Elec. Supply Co., 5725 S. Halsted St., Normal 2105.
Freeman-Sweet Co., 9 W. Illinois St., Central 8030.
Hibbard, Spencer, Bartlett & Co., 303 N. State St., Central 7280.
Hyland Electrical Supply Co., 31 N. Franklin, Main 5260.
Illinois Electric Co., 314 W. Madison St., Main 4450.
Inland Electric Co., 14 N. Franklin St., Main 4820.
Kubec Electric Co., 628 W. Jackson Blvd., Haymarket 9300.
Manhattan Electrical Supply Co., 112 S. Wells St., Franklin 2081.
Monarch Electric & Wire Co., 622 W. Adams St., Monroe 4949.
Peerless Light Co., 611 W. Adams St., Haymarket 8860.
Revere Electric Co., 439 Plymouth Court, Wabash 4314.
Otto Reiman, 155 W. Lake St., Franklin 1636.
Steiner Electric Co., 210 S. Desplaines St., Monroe 7414.
Western Electric Co., 500 S. Clinton St., Wabash 3000.
Western Electrical Supply Co.
Peoria—Diamond Electric Supply Co., Phone 4-8700.
Rockford—Swords Bros. Co.
IND.—Evansville—Crescent City Electric Co., Phone 5036.
Fort Wayne—National Mill Sup. Co.
Indianapolis—Central Indiana Electric Co., 16 S. Capitol Ave., Circle 7964.
Indianapolis Elec. Sup. Co., Main 1447.
Van Camp Hdwe. & Iron Co., 401 W. Maryland, Main 5000.
Varney Electrical Supply Co., 121 S. Meridian, Main 3420.
Western Electric Co., 121 S. Pennsylvania Ave., Main 2840.
South Bend—South Bend Elec. Co.
KANS.—Wichita—Southwestern Electric Co.
KY.—Louisville—James Clark, Jr., Elec. Co., 520 W. Main, Main 726.
Tafel Electric Co., 329 W. Main, Main 90.
Theobald-Jansen, 328 W. Main, Main 3723.
LA.—New Orleans—Elec. Appliance Co., Main 1751.
Electrical Sup. Co., Main 1402.
Interstate Electric Co., Main 706.
Southern Jobbers Sup. Co., Main 876.
Wesco Supply Co.
Western Electric Co., Lafayette & S. Peters Sts., Main 731.
Shreveport—Interstate Electric Co.
ME.—Portland—C. M. Hay.
MD.—Baltimore—Baltimore Elec. Sup. Co., 309 N. Calvert, Plaza 5870.
Baltimore Gas Light Co., 307 W. Redwood, Plaza 4320.
Carroll Elec. Co., 215 E. Fayette, Plaza 6226.
Lee Electric Co., 217 N. Calvert, Plaza 4080.
Shepherd-Fluharty Elec. Co., 225 N. Calvert, Plaza 0370.
Western Electric Co., 425 E. Oliver, Calvert 5050.
MASS.—Boston—Geo. H. Buckminster & Co., 59 Oliver, Main 2453.
Foster-McDonald Co., 176 Congress, Congress 2606.
F. S. Hardy & Co., 351 Congress, Congress 1528.
Lewis Electrical Sup. Co., Main 7430.
Pettingell-Andrews Co., 511 Atlantic Ave., Congress 4200.
James J. Shannon Co., 100 High, Congress 2380.
Voye Electric Sup. Co., 45 High St., Main 4801
Geo. H. Wahn Co., 69 High St., Congress 0430.
Western Electric Co., 385 Summer St., Congress 2500.
Wetmore-Savage Co., 76 Pearl St., Congress 7800.
Brockton—Sager Electrical Sup. Co.
Holyoke—Roland T Oakes Co.
Pittsfield—Mountain Electric Supplies Co
Sprinfield—Chas. E. Hayes Co., 34 Taylor, River 3515.
Wetmore-Savage Co., Walnut 4410.
Worcester—E. W. Ham Elec. Co., 5 Barton Place, Park 305.
MICH.—Detroit—Morris Blumberg Elec. Co., 142 E. Jefferson, Main 7605.
Commercial Elec. Supply Co., 138 E. Congress, Main 4668.
Crescent Electric Co., 150 E. Jefferson Ave., Main 872.
A. T. Knowlson Co., 415 E. Congress, Main 5846.
McKnaughton-McKay Electric Co., 331 W. Jefferson, Main 5876.
Frank C. Teal Co., 425 Bates, Main 3435.
Henry L. Walker, 27 E. Jefferson, Main 2803.
Western Electric Co., 1947 Kirby, Melrose 3321.
Grand Rapids—Western Electric Co., 39 Ottawa, N. W., Main 5078.
Lansing—Capitol Elec. Sup. Co.
MINN.—Duluth—Kelley Duluth Co., 118 W. Superior, Melrose 2121.
Northwestern Elec. Equip. Co., 202 W. Michigan, Melrose 827.
Western Electric Co., 320 W. First, Melrose 129.
Minneapolis—R. M. Laird Elec. Co., 223 S. Fifth, Geneva 1663.
Peerless Elec. Co., 227 S. Fifth, Geneva 2686.
Sterling Elec. Co., 33 S. Fifth, Main 2162.
Western Electric Co., 114 N. Third, Main 1189.
St. Paul—Olson-Boettger, 108 E. Third, Garfield 1945.
Northwestern Elec. Equip. Co., 174 E. Sixth, Interior 1140.
Price Electric Co., 413 Sibley, Garfield 1080.
St. Paul Electric Co., 145 E. Fifth, Garfield 7441.
Western Electric Co., 63 E. Sixth, Cedar 1128.
MISS.—Jackson—Cabell-Irby Co.

(Continued on following page)

STEEL CITY ELECTRIC CO.—Continued.
MO.—Kansas City—B-R Electric Co., 1432 Walnut, Harrison 7450.
Funsten Electric Co., 1310 Wyandotte St., Grand 1070.
Richards & Conover Hdwe. Co., 5th & Wyandotte Sts., Main 7600.
Southwest Elec. Sup. Co., 7 E. 19th St., Harrison 8826.
Townley Metal Hdwe. Co., 200 Walnut St., Main 0200.
Western Electric Co., 608 Wyandotte St., Main 4942.
St. Joseph—American Electric Co., Phone 285.
Columbian Electrical Co.
St. Louis—Brown & Hall Sup. Co., 1504 Pine St., Olive 8280.
Commercial Elec. Sup. Co., 320 S. Broadway, Main 1292.
General Ltg. & Sup. Co., 821 N. 6th St., Olive 7895.
Glasco Electric Co., 721 N. 11th St., Olive 3380.
Lance Electrical Sup. Co.
McGraw Co., Bomont 3170.
Manhattan Electrical Sup. Co., 1106 Pine St., Olive 5057.
Wesco Supply Co., 7th & Clark Sts., Main 3230.
Western Electric Co., 810 Spruce St., Main 1611.
NEBR.—Omaha—Western Electric Co., 802 Farnam St., Atlantic 5740.
N. J.—Asbury Park—Asbury Park Electric Sup. Co.
Atlantic City—Currie Co.
Hoboken—Hoboken Elec. Sup. Co.
Jersey City—Hudson Electrical Sup. & Equip. Co., 572 Newark Ave., Montgomery 5150.
Newark—Beller Electric Sup. Co., 28 Treat Place, Market 0171.
Eastern Elec. Sup. Co., 90 Academy St., Mulberry 2901.
Newark Elec. Sup. Co., 223 Market St., Market 9240.
Tri-City Electric Co., 18 Mechanic St., Market 0664.
United Elec. Sup. Co.
Western Electric Co., 64 Park Place, Market 9900.
Passaic—Arrow Electric Co., 594 Main St., Passaic 3949.
Paterson—Silk City Electrical Sup. Co.
Trenton—Trenton Hardware Co.
N. Y.—Albany—Esco Electric Co., Phone Main 4981.
Havens Electric Co., Phone Main 3020.
Binghamton—Southern New York Electrical Sup. Co.
Southern Tier Elec. Sup. Co.
Bronx—Tremont Electrical Supply Co., 4222 Third Ave., Tremont 4199.
Brooklyn—D. Berman & Son, 113 Ditmas Ave., Windsor 7924.
Brooklyn Electrical Sup. Co., 56 Myrtle Ave., Triangle 4361.
A. S. Elliott & Co., 331 Rockaway Ave., Glenmore 9453.
Flatbush Elec. Sup. Co., 132 Church Ave., Windsor 5742.
Greenfield Elec. Sup. Co., 1096 Bedford Ave., Sterling 7606.
F. W. Haase & Co.
D. Liederman & Sons, 650 Broadway, Stagg 1354.
United Elec. Products Co., 397 Rockaway Ave., Dickens 0176.
Geo. Weiderman Elec. Co., 191 Flatbush Ave., Sterling 1800.
Western Electric Co., 505 St. Marks Ave., Prospect 1000.
Williamsburg Elec. Sup. Co., 636 Broadway, Stagg 4629.
Buffalo—Elec. Sup. & Equip. Co.
McCarthy Bros. & Ford, 75 W. Mohawk St., Seneca 5100.
Robertson-Cataract Elec. Co., 151 W. Mohawk St.
H. I. Sackett Elec. Co., 251 Pearl St., Seneca 6000.
Western Electric Co., 11 Main St., Tupper 6200.
Jamaica—Bangert Electric Co.
Merit Electrical Sup. Co.
Kingston—Canfield Sup. Co.
Long Island City—Bridge Plaza Electrical Sup. Co.
New Rochelle—Bolnik & Bloomfield.
New York—Alpha Electric Co., 151 W. 30th St., Watkins 0500.
Apex Electrical Sup. Co., 280 Broadway, Longacre 2700.
Burnet Co., 69 South St., John 0199.
Circle Elec. Sup. Co., 1460 Third Ave., Lenox 6549.
Crannell, Nugent & Kranzer, 110 W. 30th St., Watkins 4520.
East Coast Elec. Sup. Co., 399 Pearl St., Beekman 9118.
Elliott Elec. Sup. Co., 68 E. 116th St., Harlem 8600.
Samuel Frost, 41 W. 14th St., Watkins 7530.
G & G Electric Sup. Co., 84 E. 10th St., Stuyvesant 3617.
Garfield Elec. Sup. Co.
Hirschfeld Electrical Sup. Co., 78 Warren St., Barclay 2330.
Holloway Bentz & Co., 105 Chambers St., Worth 2990.
Hub Electrical Sup. Co., 616 Cortlandt Ave., Melrose 2262.
International Western Elec. Co., 195 Broadway, Cortland 7700.
W. F. Irish Co., 130 W. 32nd St., Watkins 5887.
David Killoch Co., 57 Murray St., Barclay 6518.
E. B. Latham & Co., 550 Pearl St., Franklin 4870.
John J. Leahy Elec. Supplies, 50 Dey St., Cortland 8985.
Madison Elec. Sup. Co., 19 W. 30th St., Longacre 4558.
Manhattan Electrical Sup. Co., 17 Park Place, Barclay 6900.
Mars Elec. Corp., 345 E. 149th St., Mott Haven 0528.
Mine & Smelter Sup. Co., 42 Broadway, Broad 4334.
Monroe Lamp & Equip. Co., 314 W. 14th St., Chelsea 2072.
Nieman Elec. Sup. Co., 124 E. 116th St., Harlem 1596.
Nugent Electrical Sup. Co., 7 W. 29th St., Lexington 3600.
W. R. Ostrander & Co., 371 Broadway, Canal 3000.

STEEL CITY ELECTRIC CO.—Continued.
Paramount Electrical Sup. Co., 132 Church St., Barclay 3343.
Parr Electric Co., 77 Warren St., Barclay 3866.
Public Electrical Sup. House, 62 Essex St., Orchard 2658.
Royal Eastern Electrical Sup. Co., 114 W. 27th St., Watkins 0112.
Schact Electrical Supply Co., 172 Stanton St., Drydock 1090.
Sibley-Pitman Electric Co., 190 6th Ave., Waltham 3800.
Stanley & Patterson, West & Hubert Sts., Canal 5200.
Triangle Electric Sup. Co.
Western Electric Co., 195 Broadway, Cortland 7700.
Zimmerman Electrical Sup. Co.
Rochester—Requa Electrical Sup. Co., 95 St. Paul St., Main 8250.
Rochester Elec. Sup. Co., 240 St. Paul St., Main 6775.
Woheeler-Green Elec. Co., 29 St. Paul St., Stone 3333.
Syracuse—H. J. Gorke, 148 James St., James 4774.
Mohawk Electrical Sup. Co., 350 W. Fay St., Warren 8900.
Western Electric Co., 930 S. Salina St., Warren 4167.
Troy—Hinsdill Electric Co.
Troy Electrical Co., Phone Troy 212.
Utica—Langdon & Hughes Elec. Co.
Porter Electric Co.
Utica Electric Appliance Co.
N. C.—Asheville—Piedmont Electric Co.
Charlotte—Carolina States Electric Co.
Electric Sup. & Equip. Co.
Western Electric Co., 328 W. 1st St., Charlotte 1017.
Columbia—Mann Electric Sup. Co.
Perry-Mann Electric Co.
OHIO—Akron—Hardware & Supply Co., Phone Main 2420.
Canton—Electric Sales Co.
Moock Electric Co., Phone Main 3870.
Cincinnati—Johnson Electric Sup. Co., 234 E. Fifth, Canal 5282.
F. D. Lawrence Electric Co., 219 W. Fourth St., Main 4435.
Milnor Electric Co., 129 Government Sq, Main 31.
Post-Glover Elec. Co., 308 W. Fourth St., Main 3.
Western Electric Co., 312 Elm St., Main 600.
Cleveland—Erner Electric Co., 1240 Ontario St., Main 7520.
Frankelite Co., 5016 Woodland Ave., Randolph 4865.
Luetkemeyer Co., 723 Superior Ave., N. W., Main 4380.
Republic Electric Co., 1820 E. 18th St., Prospect 2900.
Western Electric Co., 1010 Oregon Ave., Cherry 603.
Geo. Worthington Co., 802 St. Clair Ave., N. W., Cherry 1600.
Columbus—Avery & Loeb Elec. Co., 114-116 N. 3rd., Main 1385.
Erner & Hopkins Co., 146 N. 3rd. Main 280.
Western Electric Co., 154-156 N. 3rd, Main 9146.
Dayton—Wm. Hall Electric Co., 115 E. 3rd., Main 3424.
Nichols Electric Co., 123 N. Kenton, Main 2056.
Toledo—F. Bissell Co., 812 Lafayette St., Adams 846.
Electric Sup. Co., 431 St. Clair, Adams 6574.
W. G. Nagel Electric Co., 28 St. Clair, Adams 1822.
Toledo Elec. Sales Co., 508 Monroe St., Adams 1066.
Youngstown—Electrical Maintenance Co., Phone Main 5400.
Hood Electric Co., Phone Main 1332.
Western Electric Co., 930 W. Ryan Ave., Main 7460.
OKLA.—Oklahoma City—Western Electric Co., 1 E. 6th St., Walnut 6850.
ORE.—Portland—Fobes Supply Co., 8th & Davis Sts., Broadway 1888.
Pacific States Electric Co., 5th & Davis Sts., Broadway 5728.
Stubbs Electric Co., 75 Sixth St., Broadway 1696.
Western Electric Co., Union & E. Ash Sts., Broadway 8121.
PA.—Erie—Star Electrical Co., Phone 784.
Harrisburg—Dauphin Electrical Sup. Co.
Harrisburg Electrical Sup. Co.
Philadelphia—Colonial Electric Co.
Elliott-Lewis Electric Co., 1017 Race Sts., Walnut 4601.
Novelty Electric Co., 50 N. 4th St., Market 3965.
John Y. Parke Co., 29 N. 7th St., Market 5030.
Philadelphia Electric Co., 10th & Chestnut Sts., Walnut 4700.
H. C. Roberts Elec. Sup. Co., 11th & Race Sts., Filbert 3616.
Rumsey Electric Co., 1007 Arch St., Walnut 6280.
Schimmel Elec. Supply Co., 526 Arch St., Market 6400.
Standard Elec. Sup. Co., 223 N. 13th St., Locust 4583.
Frank H. Stewart Electric Co., 37 N. 7th St., Market 1874.
Pittsburgh—Doubleday-Hill Electric Co., 719 Liberty St., Grant 1575.
Iron City Electric Co., 4627 Baum St., Schenly 4890.
W. T. McCullough Electric Co., 317 1st Ave., Court 2420.
Price Electric Co., 430 Penn St., Court 2155.
Robbins Electric Co., 830 Liberty St., Grant 6780.
Union Electric Co., 933 Liberty St., Grant 5810.
Western Electric Co., 910 River Ave., Cedar 2300.
R. I.—Pawtucket—Wm. K. Toole Co., 230 Main St., Phone 2740.
Providence—Belcher & Loomis Hdwe. Co., 89 Weybosset St., Union 3332.
Union Electric Sup. Co., 60 Pine St., Union 4523.
Western Electric Co., 233 Harris Ave., Union 8222.
TENN.—Chattanooga—James Supply Co., 1104 Market St., Main 4800.
Mills & Lupton Sup. Co., 1146 Market St., Main 6255.

STEEL CITY ELECTRIC CO.—Continued.
Memphis—Wesco Supply Co., Main 1600.
Western Electric Co., 163 Jefferson Ave., Main 754.
Nashville—Braid Electric Co., Main 47.
Western Electric Co., 1st & Madison Sts., Nashville M-5086.
TEX.—Dallas—Huey & Philip Hdwe. Co., Phone X-2461.
Southwest General Electric Co., Phone X-2201.
Western Electric Co., Pacific Ave. & Ervay St., X-6454.
El Paso—Krakauer Zork Co.
Houston—Tel. Electric Co., 602 Preston, Preston 676.
Western Electric Co., 104 Jackson, Preston 215.
San Antonio—Western Electric Co.
UTAH—Salt Lake City—Capital Electric Co., Wasatch 8.
Intermountain Electric Co., Wasatch 354.
Mine & Smelter Supply Co.
United Electric Sup. Co.
Western Electric Co., 41 W. 3rd St., Wasatch 630.
VA.—Norfolk—Atlantic Electric Co., Norfolk 25339.
Western Electric Co., South Gate Terminal, Norfolk 25465.
Woodhouse Electric Co.
Richmond—Tower-Binford E. & M. Co., Madison 504.
Western Electric Co., 6th & Cary Sts., Randolph 1846.
WASH.—Seattle—Burghardt & Hauff Elec. Co., 1007 1st St., Main 0769.
Fobes Supply Co., 560 1st St., S., Eliot 4417.
National Electric Co., 1523 5th St., Main 4901.
Tri-State Electric Co., Arctic Bldg., Eliot 1705.
Western Electric Co., 84 Marion St., Main 6650.
Spokane—Western Electric Co., 165 S. Howard St., Riverside 2228.
Tacoma—W. J. Love Electric Co.
Northwestern Sup. Co.
Western Electric Co., 762 Commerce St., Main 3100.
W. VA.—Bluefield—Superior Supply Co.
Charleston—Charleston Elec. Sup. Co.
Virginian Electric, Inc.
Fairmont—Fairmont Supply Co.
Huntington—Banks Supply Co.
Emmons-Hawkins Hdwe. Co.
Miller Supply Co., Phone 4000.
Morgantown—Monongahela Supply Co.
Wheeling—Front Co.
Gee Electric Co.
H. S. Sands Elec. & Mfg. Co.
WIS.—LaCrosse—W. A. Roosevelt Co., Phone 25.
Superior—Benson Electric Co.
Milwaukee—Julius Andrae & Sons Co., 362 Broadway, Broadway 4900.
G-Q Electric Co., 23-25 Erie St., Broadway 5400.
Alex. M. Kalling Co., 264 W. Water St., Grand 1834.
Western Electric Co., 460 Broadway, Broadway 5413.
WYO.—Casper—Casper Supply Co.

Foreign:
CAN.—B. C., Vancouver—E. B. Horsman & Son.
Manitoba, Winnipeg—Great West Electric Co.
Marshall-Wells Co.
N. B., St. Johns—Reid Newfoundland Co.
N. S., Halifax—Northern Electric Co., Phone Sackville 2420.
Ont., Hamilton—Chas. W. Chadwick.
Jas. Moncur Electric Co.
Ont., London—Benson Wilcox Electric Co.
Ont., Ottawa—Marchand Electrical Co.
Ont., Toronto—Canadian General Electric Co.
Masco Co.
Northern Electric Co.
Regent Electric Sup. Co.
Que., Montreal—L. C. Barbeau & Co.
Canadian Electrical Sup. Co.
Canadian Fairbanks, Morse & Co.
F. X. Guillevin.
Franke Levasseur & Co.
Northern Electric Co.
Union Electric Sup. Co.
A. L. Wynston, Jr., Ltd.
Que., Quebec—Mechanics Sup. Co.
Que., Sherbrooke—Codere & Fils.
Sask., Regina—Midland Electric Co.
MEX.—Mexico City—H. A. Beers.
SOUTH AMERICA—Buenos Aires—Jose Gioffre.
M. Scapuslo & Cia.
Uruguay—Montevideo—N. Antonucci.
Srs. E. Barthe & Cia.
Bolon Y Cia.
J. A. Bugnia & Cia.
Elbio L. Fernandez.
Ganzo & Cia.
Sr. Caries Grove.
Sr. Eduardi Raggio.
A. Americo Scapuslo.
Juan B. Scapuslo.
WEST INDIES—Cuba, Havana—Antiga & Co.
Cuba Electrical Sup. Co.
Porto Rico, San Juan—Antillac Elec. Corp.
A. Ribot & Co., Inc.
Rivero Chaves & Co.

Steel City Lumber Co., Birmingham, Ala.
Steel City Testing Laboratory, 910 2nd National Bank Bldg., Pittsburgh, Pa.
Steel Co. of Canada, Ltd., Hamilton, Ont., Can.
Steel Door, Inc., 359 Railway Exchange, Chicago.
Steel Equipment Co., Ltd., Ottawa, Ont., Can.
Steel Equipment Corp., Avenel, N. J.
STEEL FABRICATING CORP., Dept 30, Michigan City, Ind.
District Offices:
Chicago—McCormick Bldg.
Cleveland, O.—Union Bldg.
Los Angeles, Calif.—Citizens' Natl. Bank Bldg.
Milwaukee, Wis.—Merrill Bldg.
Minneapolis, Minn.—Builders Exchange Bldg.
New York—1270 Broadway.
St. Louis, Mo.—Railway Exchange Bldg.
Tulsa, Okla.—Mayo Bldg.
Branch Offices in Principal Cities.
Steel Fixture Mfg. Co., Topeka, Kan.
Steel-Flex Coupling Corp., 1714 1st Nat'l Bank Bldg., Detroit, Mich.
Steel Forging Co., The, Brotherton Rd. & Oakley St., Cincinnati, O.
Steel Furniture Company, 1480 Buchanan St., W., Grand Rapids, Mich.
Steel Heddle Mfg. Co., 2110 W. Allegheny St., Philadelphia, Pa.
Steel Improvement & Forge Co., 5003 Windsor Ave., Cleveland, O.
Steel Mill Packing Co., 240 W. Jefferson St., Detroit, Mich.

S

Steel Planing Mill Co., Eutaw, Ala.
Steel Plate Products Co., Pottstown, Pa.
Steel Producers Export Corp., 160 Broadway, New York.
Steel Products Co., Savannah, Ga.
Steel Products Co., The, 2196 Clark Rd., Cleveland, O.
Steel Products Corp. of Cal., savings banks, 289 1st, San Francisco, Calif.
Steel Products Engineering Co., Springfield, O.
Steel Products Mfg. Co., Cicero, Ill.
Steel Protected Concrete Co., Real Estate Trust Bldg., Philadelphia, Pa.
Steel Rail Supply Co., 47 West, New York.
Steel Roofing & Stamping Works, Des Moines, Ia.

STEEL SALES CORPORATION, 129 S. Jefferson St., Chicago.

Pres. & Treas.—A. D. Dorman.
V. P.—J. A. Reesch.
Sec.—D. R. Hoffman.
Gen. Sales Mgr.—F. W. Walters.
Reps.—H. E. White, F. M. Elliott, W. S. Kranz, Albert Duce, W. C. French, F. L. Carroll, B. H. Elliott, H. B. Dickinson, W. J. Kirk, F. W. Ladky, Henry Hoving, W. S. Thompson, Earl Gutzke, J. S. Allen, W. L. Horn, O. J. Viall, E. W. Whiteway, G. B. Goodrich, John Laurie.
Detroit, Mich.—843 Book Bldg., C. B. Peterson.

Steel Scaffolding Co., Evansville, Ind.
Steel Shot & Grit Co., Amesbury, Mass.
Steel Socket Shaft End Co., 1432 E. 49th, Cleveland, O.
Steel Specialties Co., lock nuts & washers, H. W. Water, Wakefield, Mass.
Steel Tank & Pipe Co., Corbin sta., Berkeley, Calif.
Steel Tank & Products Co., 10 W. Illinois, Chicago, Ill.
Steel Tank & Products Corp., 26 N. Jefferson, Chicago, Ill.
Steel Testing Laboratories, Carnegie, Pa.
Steel Treating Equip. Co., The, 2077 W. Lafayette Ave. Detroit, Mich.
Steel Truck Co., facty. trucks, Nowell, Mich.
Steel, W. B., canned goods, Port Deposit, Md.
Steel Wire Products Co., nails, Preble & Seymour, Pittsburgh, Pa.
Steelduct Co., Dollar Bank Bldg., Youngstown, O.
Steele & Conduit, Inc., 75 Pearl St., Jersey City, N. J.
Steele & Hibbard Lbr. Co., 3300 N. Hall St., St. Louis, Mo.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Steele & Sons Co., J. C., Mulberry St., Statesville, N. C
Steele & Sons Co., Wm., 16th & Arch Sts., Philadelphia, Pa.
Steele-Alderfer Co., Cuyahoga Falls, O.
Steele Co., The J. W. H., Galveston, Tex.
Steele Co., W. M., 98 Beacon St., Worcester, Mass.
Steele, E. J., machsts. & fndrs., Boaz, Ala.
Steele Furniture & Hardware Co., Washington nr. Broad, Albany, Ga.
Steele, H. R., dairy app., 214 W. King, Alexandria, Va.
Steele Hardware Co., Parsons, Kan.
Steele-Kattman Coal Co., Hymera, Ind.
Steele Mfg. Co., machsts. & fndrs., Gloversville, N. Y.
Steele-Patton Lbr. Co., Knoxville, Ala.
Steele Table Co., Port Norfolk, Va.
Steele, Wilbur S., Co., furnace pipe & hot air furnace tops, 113 S. Main, Hartford, Conn.
Steelead Skylight Co., Seattle, Wash.
Steelform Contracting Co., L. A. Stock Ave. Bldg., Los Angeles, Calif.
Steelform Contracting Co., Monadnock Bldg., San Francisco, Calif.
Steelton Mfg. Co., adjustable metal shade strips, Steelton, Pa.
Steelton Planing Mill Co., Steelton, Pa.
Steen, H., Mill Co., lbr., Vashon, Wash.
Steen Rice & Cotton Mill Co., Abbeville, La.
Steenberg, O. C., Co., sash, door & blind, Fond du Lac, Wis.
Steenland Constr. Co., Palisades Park, N. J.
Steep, W. H., common brick, Seneca, Ill.
Steere, C. H., Mfg. Co., packing boxes, Palo Alto, Calif.
Steere Company, Geo. (Signs), 434 S. Dearborn St., Chicago.
Steere Engineering Co., 1564 Woodward Ave., Detroit, Mich.
Steere, John W., & Son, Organ Co., 291 Taylor, Springfield, Mass.
Steers, Hy., Sand & Gravel Co., 17 Battery pl., New York.
Steers Supply Co., belt dressing, 18 Vesey, New York.
Steffen, Gustave, nail sets, etc., 1932 N. Reese, Philadelphia, Pa.
Steffens-Amberg Co., hdwe. mfrs., machsts., 262 Morris av., Newark, N. J.
Steffens, John R., Lomax Co., masons' matls., Monadnock Bldg., San Francisco, Calif.
Steffenson Bros., 552 W. Harrison St., Chicago.
Stege Brass & Plating Wks., machsts., Louisville, Ky.
Stegeman Motor Co., 606 Linus, Milwaukee, Wis.
Steger & Sons Piano Mfg. Co., 238 S. Wabash Ave., Chicago.
Stegner & Hughes, Comm'l Tribune Bldg., Cincinnati, Ohio.
Stehlin-Miller Henes Co., lamp guards, 103 Park av., New York.
Stehling Co., Chas. H., 401-4th St., Milwaukee, Wis.
Stehman Bros., lbr., Rainier, Ore.
Stehr, C., smoking pipes, 347 Broome, New York.
Steidl Bros., meat packers, Mattoon, Ill.
Steiger & Kerr Stove & Fdry. Co., 2201 Folsom St., San Francisco, Cal.
Steiger Trading Co., Inc., crude rubber, 49 Murray, New York.
Steigert, L., Co., safety water columns, food choppers, etc., Logan & Elder, Cincinnati, Ohio.
Steigerwald, Ed., & Sons, bldg. contrs., 575 Layton Blvd., Milwaukee, Wis.
Steimer & Moore Whip Co., Westfield, Mass.
Stein & Co. Wm. P., 282 State St., Rochester, N. Y.
Stein & Elbogen Co., 91 N. State St., Chicago.
Stein, Adam, organs, 5 N. Green, Baltimore, Md.
Stein Bros. & Co., adv. nov., 422 S. Clinton, Chicago, Ill.
Stein Constr. Co., James bl., Chattanoogs, Tenn.
Stein-Ebertshaeuser & Co., stone producers, 1017 W. Division, Chicago, Ill.
Stein, Hall & Co., Inc., 61 Broadway, New York.
Stein-Hall Mfg. Co., 2841 S. Ashland Ave., Chicago.
Stein, Henry, 50 Cliff St., New York.
Stein, John J., exhaust heads, bilge pumps, leather plungers, steel riveted flanged fittings, etc., 30 Clay, Brooklyn, N. Y.
Steinam, Jos. L., 40 W. 23d, New York.
Steinau Co., adv. spec., Louisville, Ky.
Steinbach's, W. D., Sons, contrs., Lewiston, Pa.
Steinbach, G. E., 157 W. 74th, New York.
Steinbeck, L. O., Lbr. Co., Charleston, W. Va.
Steinberg, Jacob, cornices, 229 Belmont av., Newark, N. J.
Steinberg, Nathan, scrap iron & steel, Omaha, Neb.
Steinberg, S., Iron & Metal Co., scrap, 208 Fremont, San Francisco, Calif.
Steinberg Steam Cut Stone Co., stone producers, wkrs. & dlrs., 596 Rockaway av., Brooklyn, N. Y.
Steinbrenner & Fischer Co., Inc., Niagara Falls, N. Y.
Steineger Saddlery Co., Springfield, Mo.
Steiner & Co., Emil E., 2 Ave., C., Newark, N. J.
Steiner & Co., M., 242 Torrence St., Dayton, O.
Steiner & Co., Suite 502 Praetorian Bldg., Dallas, Tex.
Steiner & Schneider, contrs.' tents, etc., 1604 Market, St. Louis, Mo.
Steiner & Voegtly Hardware Co., 230 Diamond, Pittsburgh, Pa.
Steiner, August, agricultural implements, etc., Homewood, Ill.
Steiner Brothers, Lima, O.
Steiner Engraving & Badge Co., 304 Pine St., St. Louis, Mo.
Steiner, Jos., lumber mfrs., Croghan, N. Y.
Steiner Mfg. Co., meat choppers, clothes washing machs., etc., 4100 N. 21st, St. Louis, Mo.
Steiner Mfg. Wks., machsts., Erie, Pa.
Steiner's, Wm., Sons, whol. hdwe., Monroe, Mich.
Steinert, R., & Co., machsts., Washburn, Wis.
Steinfield, Albert, & Co., mill & facty. supplies, whol. hdwe., Tucson, Ariz.
Steinfeld Bros., 116-120 W. 32nd St., New York.
Steinhardt & Co., cottonseed meal, 926 Gravier, New Orleans, La.
Steinhardt, G., leather, 201 McWhorten, Newark, N. J.
Steininger, E. A., Construction Co., Lac. Gas. Bldg., St. Louis, Mo.
Steinhorst & Sons, Emil, Utica, N. Y.
Steinle Turret Mach. Co., Madison, Wis.
Steinke, E. H., Canning Co., Benton Harbor, Mich.
Steinman & Meyer Furn. Co., 1113H York, Cincinnati, Ohio.
Steinman Bros., Lbr. Co., sashes, doors & blinds, Jenera, Ohio.
Steinman Hdw. Co., Lancaster, Pa.
Steinman Lbr. Co., 385 35th, Milwaukee, Wis.
Steinmetz Electric Motor Car Corp., Calvert Bldg., Baltimore, Md.
Steinsapir, Julius L., Nixon Bldg., Pittsburgh, Pa.
Stelwagon Mfg. Co., 19th St. & Washington Ave., Philadelphia, Pa.
Steinway & Sons, pianos, 109 E. 14th, New York.
Stella Bros. Mfg. Co., caskets & burial cases, 1426 Howard, San Francisco, Calif.
Stelling, Fred W., Corp., cornices, 9 Pawtucket, Hartford, Conn.
Stellman, L. H., & Son, saw mill machy., etc., Brattleboro, Vt.
Stelzner, Charles J., flour, Frazee, Minn.
Stember & Co., John, New York.
Stempel Fire Extinguisher Mfg. Co., 4268 N. 20th, St. Louis, Mo.
Stencil Treasury, 209 E. 59th, New York.
Stender Bros., contrs., Providence rd. & Albright av., Scranton, Pa.

STENDER COPPERSMITH CO., THE, 2930 Smallman St., Pittsburgh, Pa.

Stender, Frank C., & Co., dock bldrs., 86 Weybosset, Providence, R. I.
Stengel & Rothschild, patent leather, Main, Newark, N. J.
Stengel, Barney, mattresses, 421 9th av., New York.
Stengel, Geo., Inc., patent lthr., Waverly, N. J.
Stenman Wire Specialties Co., 8 Grafton St., Worcester, Mass.
Stenno Carbon Paper Mfg. Co., duplicator inks, typewriter ribbons, etc., 740 Sandy Blvd., Portland, Ore.
Stenton Supply Co. 4509 N. 20th St., Philadelphia, Pa
Stentorfone Co., 627 S. San Pedro, Los Angeles, Calif.
Stephan Lumber Co., Upper Sandusky, O.
Stephans Nut & Bolt Co., Central Falls, R. I.
Stephens & Bro., glue mfrs., 306 Emmings, Cincinnati, Ohio.
Stephens & Conrow Co., mill & facty. supplies, 98 Park pl., New York.
Stephens & Sons, Thomas, Albany, N. Y.
Stephens, A. E., Co., contrs., 33 Florentine, Springfield, Mass.
Stephens, A. W., Mfg. Co., adv. spec. mfrs., Waltham, Mass.
Stephens-Adamson Mfg. Co., Aurora, Ill.
Stephens Adamson Mfg. Co., 38 S. Dearborn, Chicago, Ill.
Stephens-Bird Lbr. Co., Monroe, Wash.
Stephens City Milling Co., flour, Stephens City, Va.
Stephens Gas & Elec. Chandelier Co., 1016 McGee, Kansas City, Mo.
Stephens, Henry & Co., lumber, Waters, Mich.
Stephens, Jackson Co., Pen Argyl, Pa.
Stephens, James S., auto bldrs., 7321 S. Shore, Chicago, Ill.
Stephens Lumber Co., Att. Natl. Bk. Bldg., Jacksonville, Fla.
Stephens Motor Works of Moline Plow Co., autos, W. Spring & S. Chicago av., Freeport, Ill.
Stephens Printing Co., Hugh, Jefferson City, Mo.
Stephens, Windsor, & Co., bottle openers & strawberry hullers, Waltham, Mass.
Stephenson Charcoal Iron Co., Wells, Delta, Mich.
Stephenson, & Co., I., Trustees, Wells, Mich.
Stephenson-Browne Lbr. Co., Chickasha, Okla.
Stephenson, E. E., Lumber Co., Celina, Ohio.
Stephenson, C. H., 48 Furrar St., Lynn, Mass.

STEPHENSON MFG. CO., Albany, N. Y.

Stephenson, L. L., Lovick, Ala.
Stephenson-Schaller Co., see Ideal Dehydrator Co. (successor).
Stephenson Supply Co., battery holders, Auburn, N. Y.
Steptoe Co., The John, 2961 Colerain Ave., Cincinnati, O.
Sterchi Bros., 420 S. Gay, Knoxville, Tenn.
Sterchi Bros. & Fowler, furn., Dept. H, 703 Broad, Chattanooga, Md.
Sterling & Skinner Mfg. Co., 2672 East Grand Blvd., Detroit, Mich.
Sterling & Son Co., W. C., Monroe, Mich.
Sterling Aluminum Co., Erie, Pa.
Sterling Blower Co., 618 Windsor St., Hartford, Conn.
Sterling Bolt Co., 707 W. Van Buren st., Chicago, Ill.
Sterling Brass Co., compression cocks, 9600 St. Catherine, Cleveland, Ohio.
Sterling Brass Polishing Co., machts. & fndrs., 105 Livingston, Brooklyn, N. Y.
Sterling Brick Co., Olean, N. Y.
Sterling Bronze Co., 201 E. 12th, New York.
Sterling Casket Hardware Co., 883 Kent av., Brooklyn, N. Y.
Sterling Coal Co., Leader News Bldg., Cleveland, Ohio.
Sterling Co., pianos, Derby, Conn.
Sterling Cork & Seal Co., 1435 Dorr, Toledo, Ohio.
Sterling Dental Mfg. Co., dental engines & steam gauges, 7H Remington, Cambridge, Mass.
Sterling Desk Co., Grand Rapids, Mich.
Sterling Devices Co., transformers, 9 Lispenard, New York.
Sterling Drop Forge Works, 4715 W. 15th Pl., Chicago.
Sterling Electric Co., 33 S. 5th Ave., Minneapolis, Minn.
Sterling Elec. Corp., heaters, 2711 Church, Cleveland, Ohio.
Sterling Electric Lamp Co., Warren, O.
Sterling Electro Plating Co., 1517-23 Carroll Ave., Chicago.

STERLING ENGINE CO., 1210 Niagara St., Buffalo, N. Y.

Sterling Engineering Co., 419 Third St., Milwaukee, Wis.
Sterling Engraving Co., 300 William St., New York.
Sterling Equip. & Supp. Co., American & Buttonwood Sts., Philadelphia, Pa.
Sterling Fare Register Co., New Haven, Conn., now The Dayton Fare Recorder Co., Dayton, O.
Sterling Foundry Co., Sterling, Ill.
Sterling Furn. Co., Dept. H, Salamanca, N. Y.
Sterling Furn. Co., Dept. H, Greensboro, N. C.
Sterling Glass Co., Celestial Mt. Ad., Cincinnati, Ohio.
Sterling Grinding Wheel & Eng. Co., 30 N. Clinton, Chicago, Ill.
Sterling Grinding Wheel Mfg. Co., Tiffin, O.
Sterling Hardware Co., Hazard, Ky.
Sterling Iron & Steel Co., 10th & Hamilton Sts., Philadelphia, Pa.
Sterling Iron Works, see Sterling Pump Works, Inc., successor).
Sterling Knit Goods Co., sweater, cardigans, etc., Stiles, Boston, Mass.
Sterling Knit Leather Works, 329 Frelinghuysen, Newark, N. J.
Sterling Lumber & Supply Co., 11900 S. Halsted St., Chicago, Ill.
Sterling Lumber Co., Bastrop, La.
Sterling Lumber Co., Burch & N. W. R. R., Cincinnati, O.
Sterling Lbr. Co., Crozer Bldg., Philadelphia, Pa.
Sterling Machine & Stamping Co., Wellington, O.
Sterling Machine & Wire Works, Sterling, Ill.
Sterling Machy. Co., mill & facty. supplies, Tacoma, Wash.
Sterling Mfg. Co., machsts. & fndrs., agri'l impits., Sterling, Ill.
Sterling Mfg. Co., rubber substitutes, Glouchester, Mass.
Sterling Mfg. Co., cloth mops, Reading, Mass.
Sterling Mfg. Co., 2845 Prospect Ave., Cleveland, O.
Sterling Mfg. Co., surgical insts., Springfield, Ohio.
Sterling Metal Novelty Mfg. Co., 174 Worth St., New York.
Sterling Mills, sweaters, cardigans, etc., Ilion, N. Y.
Sterling Motor & Machine Co., Warren, O.
Sterling Motor Truck Co., 46th Ave. & Rodgers St., Milwaukee, Wis.
Sterling Name Tape Co., Winsted, Conn.
Sterling Oil Co., Emlenton, Pa.
Sterling Paint & Color Co., Louisville, Ky.
Sterling Paint Co., 118 1st, San Francisco, Calif.
Sterling, Paul M., contrs., 33 W. 42nd, New York.
Sterling Piano Co., 81 Court, Brooklyn, N. Y.
Sterling Pin Co., wire hooks & eyes & hairpins, Derby, Conn.
Sterling Products Corp., auto starting cranks & piston rings, 2914 N. Market, St. Louis, Mo.
Sterling Products Co., Inc., now Morgan Vise Co., 35 S. Desplaines St., Chicago.
Sterling Products Co., 5005 Euclid Ave., Cleveland, O.
Sterling Products Co., sodium hypochlorite, Easton, Pa.
Sterling Pump Wks., Inc., 646 S. California, Stockton, Calif.
Sterling Ring Traveler Co., tex. machy. supplies, Fall River, Mass.
Sterling Salt Co., 29 Broadway, New York.
Sterling Silk Glove Co., Bangor, Pa.
Sterling Specialty Co., Newcomerstown, O.
Sterling Spring Co., 2148 Scranton rd., Cleveland, Ohio.
Sterling Steel Foundry Co., Braddock, Pa.
Sterling Switchboard Co., Camden, N. J.
Sterling Textile Co., 53 Quincy St., Springfield, Mass.
Sterling Textile Mills, Clinton, Mass.
Sterling Tire Corp., Rutherford, N. J.
Sterling Top & Equipment Co., Inc., 518 W. 57th St., New York.
Sterling Varnish Co., Fulton Bldg., Pittsburgh, Pa.
Sterling Washing Machine Co., DeKalb, Ill.
Sterling Waxed Paper Mfg. Co., 245 South St., Newark, N. Y.

STERLING WHEELBARROW CO., 64th and Pulien Aves., Milwaukee, Wis.

Pres. & Treas.—I. R. Smith, Milwaukee, Wis.
V. P.—C. F. Smith, Milwaukee, Wis.
Secy. & Sales Mgr.—H. H. Baker, Milwaukee, Wis.
Akron, O.—East Akron Hardware Co.
Atlanta, Ga.—Beck & Gregg Hardware Company.
Baltimore, Md.—H. H. Meyer Company.
Birmingham, Ala.—Moore-Handley Hardware Co.
Boston, Mass.—Waldo Bros. & Bond Co.
Buffalo, N. Y.—Beals, McCarthy & Rogers.
Canton, O.—Kennedy Hdw. Co.
Chicago—30 S. Jefferson St., Sterling Wheelbarrow Company.
Cleveland, O.—1243 W. 3rd St.
Columbus, O.—W. W. Williams.
Dallas, Tex.—W. A. Browning.
Davenport, Ia.—Louis Hanssens' Sons Co.
Dayton, O.—Dayton Car Wrench Co.
Decatur, Ill.—Moorhouse & Wells.
Denver, Colo.—Hendrie & Bothoff Mfg. & Supply Co.
Des Moines, Ia.—Globe Machinery Co.
Detroit, Mich.—Coulmbia St., W., Sterling Wheelbarrow Co.
Duluth, Minn.—Kelly-How-Thompson Co.
Erie, Pa.—Palace Hardware Co.
Evansville, Ind.—Boetticher-Kellogg Hdw. Co.
Galveston, Tex.—Black Hardware Co.
Houston, Tex.—F. W. Heitmann Company.
Indianapolis, Ind.—Vonnegut Hardware Co.
Kansas City, Mo.—Victor L. Phillips Co. and Bunting Hdws. Co.
Louisville, Ky.—Brandeis Machinery Co.
Los Angeles, Cal.—Harron, Rickard & McCone Co.
Memphis, Tenn.—Pigeon-Thomas Co.
Minneapolis, Minn.—Wm. H. Ziegler Co.
Moline, Ill.—Thomas Dunn & Sons.
Muskegon, Mich.—Peoples Hdw. Co.
New Orleans, La.—A. Baldwin & Co.
New York—30 Church St., Sterling Wheelbarrow Company.
Niagara Falls, N. Y.—Elderfield-Hartshorn Hdw. Co.
Oklahoma City, Okla.—The Bordeman Co.
Omaha, Neb.—Sunderland Machinery Co.

(Continued on following page)

STERLING WHEELBARROW CO.—Continued.
Philadelphia, Pa.—1718 Sensom St., Sterling Wheelbarrow Co.
Pittsburgh, Pa.—Beckwith Machinery Co.
Portland, Ore.—Hodson-Feenaughty Company.
Rochester, N. Y.—Barr & Crealman Co.
St. Louis, Mo.—Sterling Wheelbarrow Co.
St. Paul, Minn.—Raymer Hardware Company.
Salt Lake City, Utah—H. W. Moore & Co.
San Francisco, Cal.—Harron, Rickard & McCone.
Scranton, Pa.—Bittenbendar Company.
Seattle, Wash.—Clyde Equipment Company.
Spokane, Wash.—Hoffies-Ferris Co.
Washington, D. C.—Barber & Ross.
Youngstown, O.—Stambaugh-Thompson Co.
Foreign:
Bedford, England—Sterling Foundry Specialties, Ltd.

Stern Bros. & Co., black carbons, 2 W. 46th, New York.
Stern, Chas., & Sons., canned gds., Hellman, I. W. Bldg., Los Angeles, Calif.
Stern, D. S. Co., imp. camphor & oils, 46 Davis, San Fran., Calif.
Stern, Edw., & Co., calendar pads, 140 N. 6th, Phila., Pa.
Stern, Jos., & Sons, meat packers, 614 W. 40th, New York.
Stern, Karl Co., Inc., window display fixtures, 314 S. Los Angeles, Los Angeles, Calif.
Stern, Louis, & Co., silver novelties, 29 Metcalf Bldg., Providence, R. I.
Stern Sons Co., H., 4850 S. California Ave., Chicago.
Stern Spec. Co., rubber aprons, sheeting, 40 E. 22d., New York.
Sternau & Co., Inc., S., 9 E. 37th st., Brooklyn, N. Y.
Sternberg & Sons, Union Ave., Memphis, Tenn.
Sternberg, A. C., Inc., contrs., West Hartford, Conn.
Sternberg, J., & Son, contractors, Long Island City, N. Y.
STERNER COMPANY, E. J., 30 Church St., New York.
Pres.—E. J. Sterner.
V. P.—N. A. Schaffner, C. H. Mills.
Sec. & Treas.—Jno. D. Hubbard.
Sterner, Edwin Co., mill & facty. supplies, Flint, Mich.
Sterns Electric Equip. Co., 66 Broadway, Buffalo, N. Y.
Sternthal, F., Co., pennant mfrs., 651 S. Wells st., Chicago, Ill.
Sterrett & Packing Co., meat, Kenton, Portland, Ore.
Sterrit-Thomas Foundry Co., 32nd and Smallman Sts., Pittsburgh, Pa.
Stetson & Ellison Co., canned goods, Camden, Del.
Stetson Cutler & Co., lbr. & masons' mtls., 141 Milk, Boston, Mass.
Stetson, Cutler & Redman, (Lbr.), 350 Madison Ave., New York.
Stetson, F. F., & Co., canned goods, Los Angeles, Calif.
Stetson, J. H., Co., mill & facty. supplies, Lewiston, Me.
Stetson, N., & Co., pianos, 1111 Chestnut, Philadelphia, Pa.
Stetson-Post Lumber Co., 3300 Whitcom St., Seattle, Wash.
Stetson Ross Machine Co., 3204H 1st av., Seattle, Wash.
Stetter, C. E., 5 W. 3d, Cincinnati, Ohio.
Stettler, F. C. Mfg. Co., boxes, labels, tubes, etc., Oregon & Occident, Portland, Ore.
Steubenville Coal & Mining Co., Steubenville, O.
Steubenville Hardware Co., Steubenville, O.
Steubenville Pottery Co., Steubenville, Ohio.
Steubenville Stone Co., Steubenville, Ohio.
Steubner, Geo. L., Long Island City, N. Y.
Steusloff Bros., Inc., meat packers, Salem, Ore.
Steutor Elec. Mfg. Co., automobile telephones, 88 Hunter's Pt. Ave., New York.
Steven & Jarvis Lumber Co., 29 Ingram Bldg., Eau Claire, Wis.
Steven & Son Co., stone producers, 431 S. Dearborn st., Chicago, Ill.
Stevener, Charles W., founders, Tarentum, Pa.
Stevens & Bro., A. A. (Awnings), 1234 Wabash Ave., Chicago.
Stevens & Caskey, canned goods, Hemlock, N. Y.
Stevens & Co., battery connectors, bicycle pedals, etc., 375 B'way, New York.
Stevens & Co. (Hat Blocks), 46 E. Houston St., New York.
Stevens & Thompson Paper Co., Greenwich, N. Y.
Stevens & Willis Co., shoe nails, shanks & tacks, South Braintree, Mass.
Stevens, A. E., & Co., carriage wheels, etc., 15 Union, Portland, Me.
Stevens, A. W., brick, Texarkana, Ark. & Texas.
Stevens-Adamson Mfg. Co., Aurora, Ill.
Stevens Arms Co., J., Chicopee Falls, Mass.
Stevens-Barr Timber & Lbr. Co., Fraser, Colo.
Stevens, Benj. A., Co., refrigerators, butchers' supplies, etc., Toledo, Ohio.
Stevens, Benj. R., 1827 Arch, Phila., Pa.
Stevens Bros., 149 Broadway, New York. (Now Bethlehem Foundry & Machine Corp.).
Stevens Bros. & Co., Stevens Pottery, Ga.
Stevens Bros. Co., C. E., 124 Hopkins pl., Baltimore, Md.
Stevens, C. A., & Co., woolen flannels, Ware, Mass.
Stevens, C. S., & Son, canned goods, Cedarville, N. J.
Stevens Chair Co., 218 3rd Ave., Pittsburgh, Pa.
Stevens Coal Co., bituminous, 246 Third av., Pittsburgh, Pa.
Stevens Co., Benj. A., S. Erie & Lucas Sts., Toledo, O.
Stevens Co., Charles G., Western Blvd. at 45th Place, Chicago.
Stevens Daly Lumber Co., Tuscaloosa, Ala.
Stevens-Durvea Co., Chicopee Falls, Mass.
Stevens-Ferris Lumber Co., Walton, Ore.
Stevens-Fitch Co., elec. contr., New Haven, Conn.
Stevens, Frank O. Co., sash door & blind jobbers, 100 Exchange, Worcester, Mass.
STEVENS, FREDERIC B., INC., fndry. plant equip., Larned & 3rd, Detroit, Mich.
Stevens, G. A., fndr., Great Barrington, Mass.
Stevens, Geo. I., metal polish, Essex, Conn.
Stevens Grease & Oil Co., E. 79th St. and Avrina Ave. Cleveland, O.
Stevens, H. E., canned goods, Nace, Va.
Stevens Hardware Co., Dublin, Ga.
Stevens Hardware Co., The, Oneonta, N. Y.
Stevens, Inc., W. Tyrie, 5 State St., New York.
Stevens Institute of Technology, engng. college, Hoboken, N. J.
Stevens, J., Arms Co., fire arms mfrs., Chicopee Falls, Mass.
Stevens, J. & E., Co., mchsts. & fndrs., Cromwell, Conn.
Stevens, J. E., canned goods, Nace, Va.
Stevens, J. R., Co., contractors, Odd Fellows' Temple, Cincinnati, Ohio.
Stevens, Jos., glass stainer, Orange, N. J.
Stevens Linen Works, Webster, Mass.
Stevens Lumber Co., Deer Park, Wash., Rhinelander, Wis., & Waterville, Wash.
Stevens, M. T., & Sons Co., woolen carriage cloth, North Andover, Mass.
Stevens Mach. Shop, Winooski, Vt.
Stevens Mfg. Co., cotton damasks, ft. of Russell Mill, Fall River, Mass.
Stevens Mfg. & Foundry Co., Decatur, Ill.
Stevens-Martin & Co., fertilizer, Carlton, Ga.
Stevens Metal Products Co., Niles, O.
Stevens, Norton A., mchst., Oswego, N. Y.
Stevens Organ & Piano Co., Marietta, O.
Stevens Partition & Floor Deadener Co., 14 E. Jackson Blvd., Chicago.
Stevens Point Box & Lbr. Co., Stevens Point, Wis.
Stevens, R. H., (Engrs.), Grand Central Terminal, New York.
Stevens, T. D., canned goods, Troutville, Va.
Stevens Tank & Tower Co., Auburn, Me.
Stevens, W. H., sashes, doors & blinds, Cumberland, Ohio.
Stevens, W. L., Inc., canned goods, Cape May, N. J.
Stevens, Walter B. & Son, sailors' palms, dog collars & muzzles, 107 Chambers, New York.
Stevens-Webb Co., Inc., shovels, mill supplies, etc., 1105 11th av., Altoona, Pa.
Stevens, Will P., ice machy., 1630 Long Beach av., Los Angeles, Calif.
Stevenson & Anderson, hdwe., Mt. Pleasant, Pa.
Stevenson & Co., 601 S. Caroline St., Baltimore, Md
Stevenson & Foster Co., architects' & engineers.' supplies, 947 Liberty av., Pittsburgh, Pa.
Stevenson Bro. & Co., 110 Race St., Philadelphia, Pa.
Stevenson Bros., ties, poles & posts, Jackson, Ohio.
Stevenson, Chas. I., lbr., Johnson City, Tenn.
Stevenson Cold Storage Door Co., Chester, Pa.
Stevenson Co., Wellsville, O.
Stevenson, David, & Sons, brick, Ashley, Mich.
Stevenson, E. D., carriages, Wadsworth, O.
Stevenson, Edw. S., heaters, New Castle, Pa.
Stevenson Gear Co., The, 1019 Cornell Ave., Indianapolis, Ind.
Stevenson, Jno. B., mach. & fndrs., Bryan, Tex.
STEVENSON MFG. CO., South Bend, Ind.
Stevenson, Walter, leather, 4 Jacob, New York.
Steverson, J. M., lbr., Alexander City, Ala.
Steves, Ed., & Sons., sashes doors & blinds, San Antonio, Tex.
Steward & Romaine Mfg. Co., bolts, drills, etc., 124 N. 6th, Phila., Pa.
Steward & Stevens Iron Works, 1724 N. 9th St., Philadelphia, Pa.
Steward, D. M., Mfg. Co., burners, chalks, crayons, slate pencils, gas tips, talc flour, etc., Chattanooga, Tenn.
Steward Davit & Equipment Corp., 17 Battery Place New York.
Steward, G. S., Co., curtain poles, cedar chests, etc., Norwalk, Ohio.
Steward Hilty Mach. Co., Birmingham, Ala.
Steward, L. & J. A., capping machines, Rutland, Vt.
Steward Mfg. Co., D. M., E. End near Roosevelt Park, Chattanooga, Tenn.
Stewardson Packing Co., meat packers, Stewardson, Ill.
Stewart & Bergen Co., cornices, Fort Plain, N. Y.
Stewart & Carlson, flour, Prineville, Ore.
Stewart & Co., Inc., Jas., 343 So. Dearborn St., Chicago.
Stewart & Co., Jas., 30 Church St., New York.
Stewart & Co., Inc., R. A., 80 Duane St., New York
Stewart & Co., modeling clays, Duane, New York.
Stewart & Co., Paul, 604 1st Nat'l Bk. Bldg., Cincinnati, O.
Stewart & Delanney, lumber, Curtin, Ore.
Stewart & Donohue, stone prod., Wilmington, Del.
Stewart & Gabriel, leather & wholesale, 808 B'way, Oakland, Calif.
Stewart & Hayden Co., mill & facty. supplies, Burlington, Ia.
Stewart & Rowland, steel merchants, Drexel Bldg., Phila., Pa.
Stewart & Son, C., Albany St., Worcester, Mass.
Stewart & Sparry, 66-72 Leonard St., New York.
Stewart, A. Collins, Co., soap, 70 Freeport, Boston, Mass.
Stewart, A. F., police wagons, hose carriages, etc., Rochester, N. Y.
Stewart, A. L., & Sons, canned goods, Cherryfield, Me.
Stewart, A. R., Nashville, Tenn
Stewart, A. T., Lumber Co., 7801 Greenwood av., Chicago, Ill.
Stewart, Alex., Lumber Co., Wausau, Wis.
Stewart, Alfred C., Machine Works, gasoline fuel savers, Los Angeles, Calif.
Stewart Auto Trailer Co., DuBois, Pa.
Stewart Boiler Works, Albany, Worcester, Mass.
Stewart Bros. & Co., carriages, Cambridge, Mass.
Stewart Bros., contractors, Columbia, Mo.
Stewart Bros., Hardware Co., 86 N. Main, Memphis, Tenn.
Stewart Bros., machsts., Lynn, Mass., & Ottawa, Ill.
Stewart Bros. Co., Portland, Ore.
Stewart-Carey Glass Co., 231 S. New Jersey, Indianapolis, Ind.
Stewart-Crook Hardware Co., 7 N. Liberty St., Baltimore, Md.
Stewart Electric Co., Frank H., 37 N. 7th St., Philadelphia, Pa.
Stewart, Electrical Mfg. Co., switch boards, 80 Natoma, San Francisco, Calif.
Stewart Engineering Corp., Contrs., Gr. Cent. Term., New York.
Stewart, F. P., Granite Co., stone producers, Hamilton, Ohio.
Stewart Furnace Co., Union Trust Bldg., Cleveland, O.
Stewart, Geo. B., Co., water heaters, Chamber of Commerce Bldg., Pittsburgh, Pa.
Stewart, Geo. S., Co., dictionary holders, Norwalk, O.
Stewart-Hartshorn Co. (Shade Rollers), Newark, N. J
Stewart Heater Co., N. Tonawanda, N. Y.
Stewart-Holland Co., iron & wire fencing, Wabash Bldg., Pittsburgh, Pa.
Stewart, Inc., Henri M., 347 Fifth Ave., New York
Stewart Iron Co., Ltd., Sharon, Pa.
STEWART IRON WORKS CO., THE, 237 Stewart Blk., Cincinnati, O.
Pres.—R. C. Stewart.
V. P.—Robt S. Stewart.
Sec.—W. S. Rich.
Treas.—C. A. Aplin.
Stewart Iron Works Co., ornamental & iron bronze works, 238 Stewart blk., Cincinnati, Ohio.
See adv. index at end of book
Stewart, J. R., carriages, Coshocton, Ohio.
Stewart, J. Roland, canned goods, Cambridge, Mass.
Stewart, J. W., Co., cornices, Lowell, Mass.
Stewart, Jas., & Co., contractors, 13th, St. of 12th av., Baltimore, Md.
STEWART, JAS., & CO., INC., contractors, Madison Ave. & 42nd St., New York.
Stewart, Jas. M., & Co., wholesale hardware, Indiana, Pa.
Stewart-Jones Co., contractors, Rock Hill, S. C.
Stewart Lbr. Co., Joplin, Mo.
Stewart, M. L., 651 S. San Pedro, Los Angeles, Calif.
Stewart-McGehee Construction Co., Little Rock, Ark.
Stewart Machy. Co., dlrs., 13th & Raleigh, Portland, Ore.
Stewart Manufacturing Corporation, 4535 Fullerton Ave., Chicago.
Stewart Mfg. Co., auto accessories, 4073 Hollis st., Oakland, Calif.
Stewart Mfg. Co., Waterloo, Ia.
Stewart Motor Corp., 93 Dewey Ave., Buffalo, N. Y.
Stewart-Mowry Co., 3218 Shields Ave., Chicago.
Stewart, R. T. & C. D., Contr. Co., Easton, Pa.
Stewart, S. A., & Co., fire alarms, Waltham, Mass.
Stewart, S. B., heating contr., 321 Terrace av., Day, Cincinnati, Ohio.
Stewart Sand Co., 615 American Bank Bldg., Kansas City, Mo.
Stewart Storage Battery Co., Marshfield, Wis.
Stewart, T. J., Lbr. Co., Oklahoma, Okla.
Stewart, Thos. A., Co., elec. contrs., Hartford, Conn.
Stewart, Thos., mason bldrs., Bridgeport, Conn.
Stewart Tractor Co. of Wis., Waupaca, Wis.
Stewart, W. H., 131 George St., Boston, Mass.
Stewart, W. F., Co., metal auto bodies, Flint, Mich.
Stewart-Warner Speedometer Corp., 1828 Diversey Parkway, Chicago.
Stewart Wholesale Co., whol. hdwe., Boise, Idaho.
Stewart, Wiley, lumber mfr., Eva, Ala.
Stichter Hdw. Co., Ltd., Reading, Pa.
Stickey Mfg. Co., furn., Dept. H, Syracuse, N. Y.
Stickle-Grogan-Morse Co., Dallas, Tex.
Stickler, J. M., woolen blankets, Mauston, Wis.
Stickley, E. B., Machy. Co., dlrs., 693 E. Cong., Detroit, Mich.
Stickney, John B., cornices & skylights, Belfast, Me.
Stickney, Tirrell & Co., chalk mfrs., 10 Milk, Boston, Mass.
Stierlin Machine & Die Works, 625 W. Jackson Blvd., Chicago.
Stief Bros., brick & tile, Carey, Ohio.
Stifel & Sons, J. L., Wheeling, W. Va.
Stieff, Chas. M., pianos, 9 N. Liberty, Baltimore, Md., & 156 Boylston, Boston, Mass.
Steir, Herman, brass castings, 814 George, Chicago, Ill.
Stierlin Machine & Die Works, sheet metal stamping, 625 W. Jackson blvd., Chicago, Ill.
Stiers, F. A., contractor, 4500 Enright, St. Louis, Mo.
Stiffel & Freeman Co., 723 Chestnut St., Philadelphia, Pa.
STILES & COMPANY, H. A., 166-174 Portland St., Boston, Mass.
Stiles & Hart Brick Co., North Haven, Conn.
Stiles & Son Brick Co., I. L., New Haven, Conn.
Stiles Bros. Co., lbr. mfrs., Grand Rapids, Mich.
Stiles Constr. Co., 330 Saunders, Kennedy Bldg., Omaha, Neb.
Stiles, Geo. W., Construction Co., 159 E. Ontario st., Chicago, Ill.
Stiles, I. H., masons' & bldrs.' matls., Battle Creek, Mich.
Stiles Mfg. Co., auto whistles, 125 E. Quincy, St. Louis, Mo.
Stiles, T. Geo., Co., machsts., Arlington, N. J.
Stiles, Wayne E., landscape architect, 95 Oliver, Boston, Mass.
Stiles, Wm. H. & Co., crude rubber, 1 Liberty, New York.
Still & Seaborn, lbr., Cleveland, Tenn.
Still, Jos. H., cornices & skylights, Hastings, Neb.
Stille & Suhlmeier, Dalton & Wade, furn., Dept. H, Cincinnati, Ohio.
Stillman, Allen P., Inc., sheet metal stamping, 805 Lexington av., Brooklyn, N. Y.
Stillman, Carmichael Co., damper regulators, 56 Pearl, Boston, Mass.
Stillman-Delehanty-Ferris Co., contractors & dock builders, 26 Exchange pl., Jersey City, N. J.
Stillman, F. A., Columbus, O.
Stillman, F. M., Co., contrs., 26 Exchange pl., Jersey City, N. J.
Stillman, J. A., lumber, Tidioute, Pa.
Stillwater Hardware Co., Stillwater, Minn.
Stillwater Lumber Co., Little Falls, Wash.
Stillwater Mfg Co., Stillwater, Minn
Stillwater Milling Co., flour, Stillwater, Okla.
Stillwell & Gladding, chemists, 80 West, New York.
Stillwell Bros., contractors, Seattle, Wash.
Stillwell-Crosby Lumber Co., Canton, Miss.
Stillwell, E. W., & Co., architects, California Bldg., Los Angeles, Calif.
Stillwell Laboratory, chemists, 76 Pine, New York.
Stilwell, Arthur A., & Co., oils, 28 Cliff, New York.
Stilwell, H., 709 Pine St., St. Louis, Mo.
Stimmel, Samuel, 513 W. Broadway, New York.
Stimmel, Sam'l, machst., 542 W. 22d, New York.
Stimple & Ward Co., Inc., 518-20 Sandusky St., Pittsburgh, Pa.
STIMPSON CO., EDWIN B., 852 Kent Ave., Brooklyn, N. Y.
Stimpson Equipment Co., Salt Lake City, Utah.
Stimpson Scale & Electric Co., Northville, Mich.
Stimson & Co., J. V., Owensboro, Ky.
Stimson Hardwood Co., Inc., J. V., New S. Memphis St., Memphis, Tenn.
Stimson, J. V., Lumber, Huntingburg, Ind.
Stimson Mill Co., 5320 Shilshole St., Seattle, Wash.
Stimson, T. F., founders, Hancock, N. Y.
Stimson Veneer & Lumber Co., Inc., Hill Ave., Memphis, Tenn.
Stinchcomb & Boddy, landscape architects, B. of L. E. Bldg., Cleveland, Ohio.
Stine, C. W. Pottery Co., White Cottage, Ohio.
Stine Co., J. C., Tyrone, Pa.
Stine, J. R., & Co., belting, 465-471 Kent av., Brooklyn, N. Y.
Stine, S. B., Osceola Mills, Pa.
Stine, Sam'l R., machsts. & fndrs., McVeytown, Pa.
STINE SCREW HOLES CO., 200 Grand St., Waterbury, Conn.
Stinson & Co., B. F., 424 Niagara, Buffalo, N. Y
Stinson, Edward, Mfg. Co., wagon spokes, 827 Guilford, Baltimore, Md.
Stinson Tractor Co., Superior, Wis.
Stipes & Hecker, bldrs.' matls., Champaign & Urbana, Ill.
Stipes, & Pilcher, contrs, Champaign, Ill.
Stipp & Sons, Peter, Scranton, Pa.
Stipp, Mathias, brick, 1015 N. Main av., Scranton, Pa.
Stipp, Peter & Sons, stove prod., Colfax & Pine, Scranton, Pa.
Stirling Woolen Mills, Lowell, Mass.
Stirlith, J. A. Bros., scrap iron & steel, Wilmington, Del.
Stirring Rod, trade publication, 57 Post, San Francisco, Calif.

S

Stirrup Mfg. Co., metal nov. & spec., Market st., Newark, N. J.
Stitt Ignition Co., 16 E. First Ave., Columbus, O.
Stittville Canning Co., Stittville, N. Y.
STOCK ADJUSTING MACHINE CO., THE WALTER, 1206 Second National Bank Bldg., Toledo, O.
Stock, B. G., Xylite Grease & Oil Co., Port Huron, Mich.
Stock, Jno., Sons., whol. hdwe., San Jose, Calif.
Stockamore Leather Co., Gloversville, N. Y.
Stockbridge Machine Co., index centers, planer grinders & shaping machy, 68 Abbott, Worcester, Mass.
Stockdale Tile & Brick Co., Corrothers, Ohio.
Stockdell Meyers Hardware Co., Petersburg, Va.
Stockdon, B. F., & Bros., machsts. & fndrs., Staunton, Va.
Stocked, H. A., Machy. Co., emery wheel dressers, 117 N. Jefferson, Chicago, Ill.
Stocker Concrete Material Washer Co., sand, Highland, Ill.
Stocker, F. W., Inc., contrs. equipt., 1119 Clinton, Hoboken, N. J.
Stocker Material Washer Co., gravel washers, Highland, Ill.
Stocker-Rumely-Wachs Co., 117 N. Jefferson St., Chicago.
Stockert, G. F. & Sons, lumber, Buckhannon, W. Va.
Stockham, Chas. Lumber Co., Camden, N. J.
Stockham, E. V., canned goods, Perryman, Md.
STOCKHAM PIPE & FITTINGS CO., 4100 10th Ave., Birmingham, Ala.
Stockhauser, Chas. L., Co., contractors, Nat. Marine Bk. Bldg., Baltimore, Md.
Stockhoff Supply Co., 107 N. Main St., St. Louis, Mo.
Stockholm & Allyn, contractors, Monadnock Bldg., San Francisco, Calif.
Stockholm, Chas., & Son., contrs., Monroe Bldg., San Francisco, Calif.
STOCKING, E. J., (Lumber) Conway Bldg., 111 W. Washington St., Chicago.
Stocking, Geo. E., canned goods, Rochelle, Ill.
Stockland Road Machy. Co., 2653 34th av., Minneapolis, Minn.
STOCKMAN ADVERTISING AGENCY, A. M., 127 Duane St., New York.
Stockport Fibre Co., cotton batting, Stockport, N. Y.
Stockridge Machine Co., 68 Abbott St., Worcester, Mass.
Stockton, A. L., Lumber Co., 6130 Mission, San Francisco, Calif.
Stockton Brick & Tile Co., McKinley av., Stockton, Calif.
Stockton Canning Co., Stockton Springs, Me.
Stockton Commission Co., Inc., 100 Worth, New York.
Stockton Fire Brick Co., Rialto Bldg., San Francisco, Calif.
Stockton Fire Brick Co., Stockton, Calif.
Stockton Ice & Fuel Co., masons' mtls., 33 S. El Dorado, Stockton, Calif.
Stockton Iron Works, Harrison and Fremont Sts., Stockton, Cal.
Stockton Lumber Co., 110 Market St., San Francisco, Cal.
Stockton Marble & Mosaic Co., flooring & sinks, 138 E. Sonora, Stockton, Calif.
Stockton Mineral Products Co., Van Buren st., Stockton, Calif., and 402 W. Lafayette, Stockton, Calif.
Stockton Paint Co., 547 E. Main, Stockton, Calif.
Stockton Plumbing Supply Co., 327 E. Miner av., Stockton, Calif.
Stockton Rubber Co., Stockton, N. J.
Stockton Sheet Metal Works, tanks, troughs, etc., 37 N. American, Stockton, Calif.
Stockwell & Co., blower mfrs., sad irons, etc., 229 N. Holliday, Baltimore, Md.
Stockwell, J. W., Co., fertilizer mfrs., Fillmore, N. Y.
Stockwell, L. W., Co., mattresses, Alameda, Los Angeles, Calif.
Stockwell Rubber Co., Inc., 535 Arch, Phila., Pa.
Stockwell, Wilson & Linvill, Land Title Bldg., Philadelphia, Pa.
Stoddard, D., & Son, roofing slate mfrs., Bangor, Pa.
Stoddard Oil Mfg. Co., lubricating oil jobbers, 17 Battery pl., New York City.
Stoddard Tel. Const. Co., Monroe, Mich.
Stoddard Union Co., Warren, Ohio.
Stoddart, A. P., & Co., mill & facty. supplies, Gloucester, Mass.
Stoddart Bros., Inc., 715 Main St., Buffalo, N. Y.
Stoehr & Fister, furniture, Dept. H, 202 Adams, Scranton, Pa.
Stoelting Co., C. H., 3047 Carroll Ave., Chicago.
Stoelzle, John, & Bro., cornices & skylights, Murphysboro, Ill.
Stoermer, C. A., flour, Eagle Lake, Tex.
Stokeley Bros. & Co., canned goods, Newport, Tenn.
Stokely, Jas., & Co., umbrella mfrs., 728 Cherry, Phila., Pa.
Stokes & Parrish Elev. Co., 16th & Samson, Philadelphia, Pa.
Stokes & Smith Co., Summerdale Ave. & Reading R. R., Philadelphia, Pa.
Stokes Asbestos Co., Whitehead Rd., Trenton, N. J.
Stokes Bros. Mfg. Co., Freehold, N. J.
Stokes Co., Wm. A., 50 Howard St., New York.
Stokes, J. J., & Son, flour mills, Monticello, Ky.
Stokes, Jos. W., Taylor & Webster Sts., Trenton, N. J.
Stokes Mach. Co., F. J., Tabor Rd., Philadelphia, Pa.
Stokes Mfg. Co., sewing cabinets, Montgomery, Pa.
Stokes Milling Co., flour, Watertown, S. D.
Stokes, W. A., bldrs.' matls., 109H Pine, Albany, Ga.
Stoll Casket Co., Upper Sandusky, Ohio.
STOLL CO., D. H., 30 Lansing St., Buffalo, N. Y.
Stoll Oil Refining Co., asphaltum, Louisville, Ky.
Stoll, Robt., badges & buttons, 19 Cliff, New York City.
Stollberg Hardware & Paint Co., 416 Huron St., Toledo, O.
Stolle, Anton, & Sons, meat packers, Richmond, Ind.
Stolle, Casper, Quarry & Contrg. Co., stone prod., Cahokia Bldg., East St. Louis, Ill.
Stolle, Frank J., drop forgings, 207 Main, Cincinnati, O.
Stolle Lbr. & Veneer Co., Tripoli, Wis.
Stolp Co., Inc., Geneva, N. Y.
Stolper Cooperage Co., Chas., 3206 Fond du Lac, Milwaukee, Wis.
Stolts, J. & J. W., coffins, etc., 430 E. 106th, New York.
Stolz, Jos., & Son., Inc., arch'l iron, 1122 Forest av., New York.
Stone & Berg Lumber Co., 95 Stafford, Worcester, Mass.
Stone & Forsythe Co., 87 Kingston St., Boston, Mass.
Stone & Hershey, lumber, 31 Clinton, Newark, N. J.
Stone & Pinson, machinists, Galena, Kan.
Stone & Stone, contrs., Jefferson City, Mo.
Stone & Webster, 147 Milk St., Boston, Mass.
Stone & Webster, Inc., 120 Broadway, New York.
Stone, Frank R., Railway Exchange Bldg., Chicago.
Stone Bros. & Company, 1501 Polk St., Chicago.
Stone Bros., contrs., Troy, N. Y.
Stone, C. Moulton, Co., roller skins, 456 Benefit, Providence, R. I.
Stone, C. O., & Son, contractors, Middletown, Conn.
Stone, D. S., Lbr. Co., Woodsville, N. H.
Stone, E. B. & A. L., Co., sand & stone, Claus Spreckels Bldg., San Francisco, Calif.
Stone, F. J., contrs., Mason Bldg., Fresno, Calif.
Stone, F. L., machinist, Franklinville, N. Y.
Stone Franklin Co., Inc., 17 E. 42nd St., New York.
Stone Fuel Co., W. A., Uniontown, Pa.
Stone-Gross Co., Inc., 11 Broadway, New York.
Stone, H. A., & Co., carriages, Berlin, Mass.
Stone, J. R., Tool & Supply Co., mill & fcty. supps., 997 Woodward, Detroit, Mich.
Stone Lumber Co., Bristol, Tenn.
Stone Lumber Co., 9 E. 3rd, Cincinnati, Ohio.
Stone Lumber Co., H. C., Peoria, Ill.
Stone Lbr. Co., 50 Congress St., Boston, Mass.
Stone Mountain Granite Corp., Stone Mountain, Ga.
Stone, P. F., lbr. mfrs., Rockford, Ill.
Stone Printing & Mfg. Co., Roanoke, Va.
Stone Products Co., marble, Muskegon, Mich.
Stone, R. B., & Co., whol., interior finish mfrs., Spencer, Mass.
Stone Road Machinery Co., The A. L., Connersville, Ind.
Stone Roller T., lumber, Keystone, Wash.
Stone-Ryals Electric Co., welding machy., 892 Mission, San Francisco, Calif.
Stone Straw Co., paper sleeves, 30 O. N. E., Washington, D. C.
Stone Supply Co., 64 Grand av., Portland, Ore.
Stone Tar Products Co., The, 97 S. 6th St., Brooklyn, N. Y.
Stone, Thos. & Geo. M., 502 Mulberry, Newark, N. J.
Stone Tone Stucco Co., Exchange Bldg., Portland, Ore.
Stone Tool & Supply Co., J. R., 997 Woodward Ave., Detroit, Mich.
Stone, W. F., & Son, ship bldrs. & motor boats, Kennedy & Boehmer, Oakland, Calif.
Stoneback, Howard L., sash, door & blind, Quakertown, Pa.
Stonebridge, C. H., Mfg. Co., cooking outfits & stoves, camp stools & chairs, sleeping bags & folding cots, 23 Warren, New York.
Stonehouse Steel Sign Co., The, 842 Larimer St., Denver, Colo.
Stonega Coke & Coal Co., Stonega, Va.
Stoneman, M. G., & Son, mill & facty. supplies, awnings & tents, Albany, N. Y.
Stoner, Thaw & Co., Ltd., freight elevators, 1200 W. Carson S. S., Pittsburgh, Pa.
Stonewall Cotton Mills, Stonewall, Miss.
Stoneware Elec. Stove Wks., cooking app., Dover, N. J.
Stoneware Pipe Co., East Alton, Ill.
Stonington Gas Lighting & Electric Co., gas machines, Stonington, Me.
Stoney Creek Lbr. Co., Blackmore, Va.
Stony Creek Red Granite Co., Stony Creek, Conn.
Stookey, D. W., brick, Cedar Rapids, Ia.
Stoopack & Carbat, umbrella mfrs., 64 W. 14th, New York.
Stoops Packing Co., canned goods, Van Wert, Ohio.
Stop, Oscar, bank & office railings, 20 Fletcher, New York.
Stophlet, P. S., Sheet Metal Wks., cornices, 12 E. Missouri av., Kansas City, Mo.
Stoppenbach's, C., Sons, meat packers, Jefferson, Wis.
Stopple Kook Kit Co., camp cooking outfits & stoves, Alma, Mich.
Stopple, W. H., hay presses, Dallas, Texas.
Storage Battery Supply Co., 239 E. 27th, New York.
Storandt, J. W., Mfg. Co., soda water fountains, show cases, etc., Rochester, N. Y.
Storch & Co., cesspools, 1102 Wolf, Philadelphia, Pa.
Storch, L. A., & Co., cornices, 517 E. 73rd, New York.
Storck, Geo., & Son, sash, door & blind, Belleville, Ill.
Storer & Gelotte Co., Granite, Quincy, Mass.
Storey Bros., flour, Eure, N. C.
Storey, T. W., spec. tools & heat treating steel, 51 Union av., Portland, Ore.
Stork, F. W., & Nelson, archts., 7416 3d av., Brooklyn, N. Y.
Stork Motor Wks. Co., machsts., Saginaw, Mich.
Storm, John, lumber, Keavy, Ky.
Storm King Mfg. Co., Ford accessories, Winneconne, Wis.
Storm Mfg. Co., engine pistons, 406 6th av., Minneapolis, Minn.
Storm Mfg. Co., 50 Vesey St., Newark, N. J.
Storm, S. L., lumber, Keavy, Ky.
Storm Waterproofing Corp., 417 5th av., New York.
Stormoen, Jas., & Son, contrs., La Crosse, Wis.
Storms Co., H. M., 58 Park Row, New York.
Storms Drop Forging Co., see Moore Drop Forging Co. (successor).
Storms, J. B., stone prod., Ithaca, N. Y.
Storrie, R. C., & Co., contrs., 2379 Market, San Francisco, Calif.
Storrs Mica Company, Oswego, N. Y.
Storsberg Co., F., 20-24 Atlantic St., Newark, N. J.
Storts & Son, Inc., John, 210-212 Vine St., Philadelphia, Pa.
Story & Clark Piano Co., 317 S. Wabash av., Chicago, Ill.
Story & Flickinger, contrs., 5 Gt. Jones, New York.
Story, A. D., ship builders, Essex, Mass.
Story Bros., Blue Mound rd., Milwaukee, Wis.
Story, O. L., Scenic Co., Somerville, Mass.
Stossel, Carl & Sons Co., handles—hammers, chisels, files & mallets, etc., Front Royal, Va.
Stott & Son, knitted gloves, Winona, Minn.
Stott Bros., cut glassware, 4450 Main, Manayunk, Philadelphia, Pa.
Stott, John W., cut glassware, 3600 Cresson, Manayunk, Philadelphia, Pa.
Stottler Herrin Lumber Co., Marion, Ill.
Stotz Bros., cornices, Easton, Pa.
Stoughton, Allen F., mill & facty. supps., Whitefield, N. H.
Stoughton, Bradley, steel casting & bessemer converters, 10 E. 44th, New York.
Stoughton Nov. Mfg. Co., inkstands & wells, Stoughton, Wis.
Stoughton Rubber Co., mackintoshes, 130 Essex, Boston, Mass.
Stoughton Wagon Co., Stoughton, Wis.
Stout & Danforth, contrs., Higgins Bldg., Los Angeles, Calif.
Stout Furn. Co., Dept. H., Brazil, Ind.
Stout Lumber Co., Thornton, Ark.
Stout Sign Co., 2533 Sullivan Ave., St. Louis, Mo.
Stoutamire, George W., canned goods, Roanoke, Va.
Stoutamire, P. W., canned goods, Salem, Va.
Stove & Range Co. of Pittsburgh, Preble near Sup. Brg., Pittsburgh, Pa.
Stovell Hdwe. Co., whol. hdwe., 906 Market, Chattanooga, Tenn.
Stover Lumber Co., Mobile, Ala.
Stover Mach. Wks., New Matamoras, Ohio.
Stover Mfg. Co., Freeport, Ill.
Stover, S. H., & Co., wire connectors, Chamber of Commerce Bldg., Pittsburgh, Pa.
Stover Steel Tank & Mfg. Co., Freeport, Ill.
Stow & Davis Furn. Co., bank fix., Grand Rapids, Mich.
Stow Flexible Shaft Co., machsts., N. 26th & Callowhill, Philadelphia, Pa.
STOW MANUFACTURING CO., Binghamton, N. Y.
Stow, Silas J., fire brick, 28 Trumball, New Haven, Conn.
Stowe & Woodward Co., rubber goods, Brockton, Mass.
Stowe-Fuller Co., 1209 Rockefeller Bldg., Cleveland, O.
Stowe, J. D., & Sons, paper & pulp mill, Scitico, Conn.
Stowe Supply Co., 13th & Hockory Sts., Kansas City, Mo.
Stowell Co. (The), agri. implts., fndrs., etc., South Milwaukee, Wis.
Stowell, Frank H., Co., 115 S. Dearborn, Chicago, Ill.
Stowell, Hy., & Sons, pads & tablets, Troy, N. Y.
Stowell Mfg. Co., 240-60 Culver Ave., Jersey City, N. J.
Stowell, N. S., & Co., textile machy. supplies, turned wood nov., etc., Dixfield, Me.
Stowell, Wm. H., assayers, 421 Sprague, Spokane, Wash.
Stowers, G. A., Furn. Co., Dept. H, San Antonio, Tex.
Strable Hardwood Co., 537 First, Oakland, Calif.
Strable Lbr. & Salt Co., Saginaw, Mich.
Stradivara Phonograph Co., E. 33th & Broadway St., Portland, Ore.
Strahan Co., Thomas, Chelsea, Mass. (Wall Paper).
Strahl & Pitsch, wax, acids, etc., 141 Front, New York.
Straight Bros., see Straight, L. S. (successor).
Straight Creek Chemical Co., wood alcohol, Straight, Pa.
Straight Dry Plate Co., Jamestown, N. Y.
Straight Line Engine Co., castings, Syracuse, N. Y.
Strait & Richards, Inc., gas logs, Irvington, N. J.
Strait, H. N., Mfg. Co., agri. implts., trucks, wagons, etc., Shawnee Adams & Baird, Kansas City, Kan.
Strait Scale Co., Kansas City, Kan.
Straiton, Geo., granite, Barre, Vt.
Straitsville Impervious Brick Co., New Straitsville, Ohio.
Stran, C. W., & Son Co., cornices, skylights, 1288 E. 9th, Cleveland, Ohio.
Stranahan Gear Co., 17th & Wood St., Philadelphia, Pa.
Strand & Co., N. A., 5001-9 N. Lincoln St., Chicago.
Strand & Sweet Mfg. Co., Winsted, Conn.
Strand Heater Co., 7804 Wade Pk., Cleveland, O.
Strand, Martin A., boat cars, skis, New Richmond, Wis.
Strandberg, E. P., & Co., contrs., 232 E. Erie, Chicago, Ill.
Strandwitz & Scott, Camden, N. J.
Strang, Elizabeth L., landscape archt., Wachusetts, Mass.
Strang Engine Co., machsts., Harvey, Ill.
Strang, Geo., Hardware Co., cornices & skylights, Richland Center, Wis.
Strange, Chas. S., machst. & fndr., Taunton, Mass.
Strange, John, Paper Co., Menasha, Wis.
Strangman, Chas. J., Co., cornices, galv. tanks, etc., 137 Ross, Los Angeles, Calif.
Strangman Mfg. Co., hardwood flooring & interior finish, 34 Crafts, Newtonville, Mass.
Stransky Mfg Co., Inc., 261 Canal St., New York.
Strasbaugh, Harry P., canned goods, Aberdeen, Md.
Strasburg Steam Flouring Mill, Strasburg, Va.
Strasburg's, C., Sons, scrap iron, Ft. Wayne, Ind.
Strasenburgh, R. J., & Co., metal marking inks., Rochester, N. Y.
Strassel Gans Paint Co., Louisville, Ky.
Stra-Tedge Curtin Frame Co., stretchers, 4537 Pope av., St. Louis, Mo.
Strater & Sons, Herman, 74 Sudbury St., Boston, Mass.
Stratford Body Co., The, Stratford, Conn.
Stratford Oakum Co., Geo., 160 Cornelison Ave., Jersey City, N. J.
Strathmore Paper Co., Mittineague, Mass.
Stratton & Bragg Co., Petersburg, Va.
Stratton & Co., lumber, Campbellsburg, Ind.
Stratton & Terstegge Co., 15th & Main St., Louisville, Ky.
Stratton, C. L., packing box mfrs., East Jaffrey, N. H.
Stratton Co., D. A., Atlantic Mine, Mich.
Stratton Co., Inc., Chas. A., 22-26 Reade St., New York.
Stratton Fire Clay Co., Empire, O.
Stratton Mfg. Co., bone mills, Erie, Pa.
Stratton Mfg. Co., Stratton, Me.
Stratton Supply Co., plbrs.' & masons' supplies, 121 Bollingsbrook, Petersburg, Va.
Stratton-Warren Hardware Co., 37 W. Carolina St., Memphis, Tenn.
Straub Co., A. W., 3741 Filbert St., Philadelphia, Pa.
Straub Machinery Co., 1230 Knowlton, Cincinnati, Ohio.
Straub Mfg. Co., ore crushers, gold dredges, etc., 5th & Chestnut, Oakland, Calif.
Straube Piano Co., Hammond, Ind.
Straubel Machine Co., Green Bay, Wis.
Straughen, B. W., lumber, Pedricktown, N. J.
Straus & Co., F. A., Johnson St. & P. R. R., Trenton, N. J.
Straus & Sons Corp., The M., 506 Frelinghuysen St., Newark, N. J.
Straus Bollerine Co., 50 Church St., New York.
Straus-Hohenstein Co., silk shades, 132 W. 21st, New York.
Straus Mfg. Co., overalls, Erie, Pa.
Strauss Gas Iron Co., sad irons, 1425 Vine, Phila., Pa.
Strauser, Clayton E., archt., Mount Carmel, Pa.
Strauss & Buegeleisen, 30 Front St., Brooklyn, N. Y.
Strauss & Co., Inc., elec. signs, 616 W. 43d, New York.
Strauss, Adolph, & Co., folding rules, 867 B'way, New York.
Strauss Bascule Bridge Co., 225 N. Michigan Ave., Chicago.
Strauss Bros. & Co., alarm clocks, goggles, 355 B'way, New York.
Strauss Co., 370 Richmond Ave., Providence, R. I.
Strauss Co., The, 2665 Locust St., St. Louis, Mo.
Strauss, Ferdinand, toys, Irving pl. & 16th, New York.
Strauss, J. E., ice skates, St. Paul, Minn.
Strauss, Wm., show cases, 416 Arch, Philadelphia, Pa.
Straut, W. H., Co., mill & facty. supps., Haverstraw, N. Y.
Straw Plains Milling Co., flour, Strawberry Plains, Tenn.
Strayer, J. D., & Co., contrs., Johnstown, Pa.
Streator Brick Co., Streator, Ill.
Streator Clay Mfg. Co., Streator, Ill.
Streator Drain Tile Co., Streator, Ill.
Streator Lumber Co., Streator, Ill.
Strecker Bros. Co., Marietta, O.
Street & Co., Inc., R. R., 25 N. Clinton St., Chicago.
Street & Kent Mfg. Co., 1956 Clybourn Ave., Chicago.
Street Bros. Machine Works., Times Bldg., Chattanooga, Tenn.
Street-Chatfield Lumber Co., 2415 Elston Ave., Chicago.
Street, F. L., flour mills, Masontown, W. Va.
Street Lumber Co., sash, door & blind, South Hadley Falls, Mass.
Streeter-Amet Weighing & Recording Co., 4101-05 Ravenswood Ave., Chicago.

Streeter, Hiram R., machst. & fndr., Grand Ledge, Mich.
Streeter, N. R., & Co., parers, hdwe. specialties, 220 N. Water, Rochester, N. Y.
Streett & Co., J. D., 41st & Park, St. Louis, Mo.
Streich & Bro. Co., A., Oshkosh, Wis.
Streich, Gabriel, Oshkosh, Wis.
Streine Tool & Mfg. Co., New Bremen, O.
Streit, C. F., Mfg. Co., 1104 Kenner, Cincinnati, Ohio.
Strelinger Co., Chas. A., 125 E. Kirby Ave., Detroit, Mich.
Stremel Bros. Mfg. Co., 1316 N. Third St., Minneapolis, Minn.
Streng's Sons Co., M., 1300 River St., Pittsburgh, Pa.
Stresenreuter Bros., contrs., 3020 S. Halsted, Chicago, Ill.
Streutor Elec. Mfg. Co., automobile telephones, 68 Hunters' Point av., New York.
Strevell & De Friest Hardware Co., cornices, Ravenna, N. Y.
Strevell-Paterson Hdwe. Co., Salt Lake City, Utah.
Stricker, Henry H., & Co., canners' paste, etc., 604 W. Pratt, Baltimore, Md.
Strickland Bros. Machine Co., Tuscaloosa, Ala.
Strickland Cotton Mills, Valdosta, Ga.
Strickland, L. E., lbr., Dacula, Ga.
Strickland Machine Co., fndry., 2330 E. Main, Richmond, Va.
Strickland Pattern Works, Grove, Chattanooga, Tenn.
Strickland, R. F., Co., fertilizer, Concord, Ga.
Strickland-Tillman Hardware Co., Valdosta, Ga.
Strickland's, A. J., Mfg. Works, fertilizer, Valdosta, Ga.
Strickler, B. F., & Sons, machsts. & fndrs., Benroy, Pa.
Strickler Bros. Canning Co., Tippecanoe City, Ohio.
Strickler, C. F. & W. H., Milling Co., flour, Lebanon, Pa.
Strickler, Frank, founder, East Prospect, Pa.
Strickler Hay Tool Co., Janesville, Wis. (Now Hudson Mfg. Co.)
Striebel, A. J., & Co., heating contrs., 52 2d, Milwaukee, Wis.
Strieby & Foote Co., 3010 Ogden Ave., Newark, N. J.
Strieder, J. W., Co., cigar machy., 178 Ruggles, Boston, Mass.
Striffler, Edw. C., whol. hdwe., 591 11th av., New York.
Stringer, J. M., & Son, flour, Skiatook, Okla.
Strite Governor Pulley Co., 307 Third St., S., Minneapolis, Minn.
Strobel, A. F., cornices, Eugene, Ore.
Strobel Mfg. Co., dressers, wheels, 1134 W. Lake, Chicago, Ill.
Strobel, Philip, & Sons, interior hardwood work, 53 Elizabeth, New York.
Strobel Steel Construction Co., 53 W. Jackson Blvd., Chicago.
Strobell & Crane, silver nov., 33 E. Kinney, Newark, N. J.
Stroebel, J. F., cornices & skylights, Neenah, Wis.
Stroehle Machy & Supply Co., Black Hawk, Colo.

STROCK & CO., L. W., Bethlehem, Pa.
Stroh & Wilson, mill & facty. supplies, 420 W. 42d, New York.
Stroh Casting Co., The, 18-36 Chene St., Detroit, Mich.
Stroh Die Moulded Casting Co., 165 Michigan St., Milwaukee, Wis.
Stroh Steel Hardening Process Co., Pittsburgh, Pa.
Hobart Bldg., San Francisco, Calif.
Stroh Steel Hardening Process Co., Westinghouse Bldg., Pittsburgh, Pa.
Strohecker, A. J., tires, Reading, Pa.
Strohm, W. A., & Bro., machsts., 1612 W. Lake, Chicago, Ill.
Strohmeyer & Arpe Co., 139 Franklin St., New York.
Stroker, Fritz C., & Son, agri. implts., Olney, Mo.

STROM BALL BEARING MFG. CO., 4569 Palmer St., Chicago.
Pres.—C. A. Strom.
V. P. & Treas.—E. N. Strom.
V. P. & Sec.—G. A. Strom.
Branch Offices:
Cincinnati, O.
Cleveland, O.
Detroit, Mich.
Philadelphia, Pa.
San Francisco, Cal.

STROM STEEL BALL COMPANY, 617-621 Garfield St., Oak Park, Ill.
Pres.—G. A. Strom.
Sales Mgr.—Harold E. Johnson.

Strom Waterproofing Corp., 169 Broadway, Astoria, L. I., N. Y.
Strombach & Martens, archts., 989 Springfield av., Irvington, N. J.
Stromberg-Becker Mfg. Co., Moline, Ill.
Stromberg, Allen, & Co., street ry. tickets, 430 S. Clark, Chicago, Ill.

STROMBERG-CARLSON TELEPHONE MFG. CO., 1050 University Ave., Rochester, N. Y.
Treas. & Gen. Mgr.—W. Roy McCanne.
Sec.—W. M. Angle.
Pur. Agt.—E. A. Hanover.
Sales Mgr.—Geo. A. Scoville.
Adv. Mgr.—W. T. Eastwood.
Chicago—17 S. Jefferson St., C. W. Schafer, Mgr.
Kansas City, Mo.—Coca Cola Bldg., A. J. Roberts, Mgr.
Toronto, Ont., Can.—35 McCaul St., N. W. Baldwin, Mgr.

Stromberg Electric Co., 223 W. Erie St., Chicago.
Stromberg Motor Devices Co., 68 E. 25th Ct., Chicago.
Stromsburg Brick Co., Stromsburg, Neb.
Stronach Door Check Co., 160 N. Wells, Chicago, Ill.
Strong & Co., Homer, 301 State St., Rochester, N. Y.
Strong & Hale Lumber Co., Portland, Conn.
Strong & Son, Chas. H., Swetland Bldg., Cleveland, O.
Strong, C. H., & Co., soap, 180 N. Market, Chicago, Ill.
Strong, C. H., & Son, contrs., Swetland Bldg., Cleveland, Ohio.
Strong, H. B., sashes, doors & blinds, Wilkesville, O.
Strong, H. C., machst. & fndr., Mauston, Wis.
Strong, H. M., Steel Products Co., linemen's pulley blocks & auto accessories, H. Whitney Power Bldg., Cleveland, Ohio.
Strong, Carlisle & Hammond Co., 1394 W. 3d St., Cleveland, O.
Strong, Dash & Hery Co., Rochester, N. Y.
Strong Hardware Co., Burlington, Vt.
Strong Hardware Co., whol. hdwe, New Brunswick, N. J.
Strong Inc., Harry J., 220 Broadway, N. Y.
Strong, John, Co., flour mills, masons' & bldrs.' matls., South Rockwood, Mich.
Strong-Kennard & Nutt Co., The, (See The Safety Equipment Co.), 215-221 St. Clair Ave., N. E., Cleveland, O.

STRONG MACHINERY & SUPPLY CO., 292-294 Church St., New York.
Pres.—Chas. E. Strong.
V. P.—Louis Kiselka.
Sec. & Treas.—Joseph Lampe.
Asst. Sec. J. H. Coleman.

Strong Mfg. Co. (casket), hdwe. mfrs., Winsted, Conn.
Strong Mfg. Co., enameled ware mfrs., Sebring, Ohio.
Strong-Scott Mfg. Co., 413 S. 3rd St., Minneapolis, Minn.

STRONG STEEL FOUNDRY CO., 33 Norris St., Buffalo, N. Y.

Strong Veneer Co., Porterville, N. Y.
Strongcord Tire & Rubber Co., Evansville, Ind.
Stroock & Co., S., 315 4th Ave., New York.
Stroock Felt Mills, Newburgh, N. Y.
Stroot & Weust, contrs., 1727 S. Center, Terre Haute, Ind.

STROUD & CO., Omaha, Neb.
Stroud & Co., E. H., 928 Fullerton Ave., Chicago.
Stroud & Co., T. F., Omaha, Neb.
Stroud, Arva., (Grinders), 327 Broadway, New York.
Stroud Bros., concrete pipe, Union av. at Santa Fe, Bakersfield, Calif.
Stroud Cotton Oil Co., meal, Stroud, Okla.
Stroud-Doyle Co., lubrg. oils, Oshkosh, Wis.
Stroudsburg Engine Works, Stroudsburg, Pa.
Stroup, L., sash, door & blind mfr., Alliance, Ohio.
Stroup, S. P., Lumber Co., Shelbyville, Ind.
Strowenjans, H. G., locomotives & special machy., 760 Center, Oakland, Calif.
Strube Machine Works, 337 W. 25th St., Chicago.
Struble, Hy., Cut Stone Co., 209 S. La Salle, Chicago, Ill.

STRUBLE, CLARENCE H., 3754 Michigan Ave., Chicago.

Strubler Computing Scale Co., Elkhart, Ind.
Struck Construction Co., Garden, Louisville, Ky.
Structo Mfg. Co., toy metal bldg. matls., Freeport, Ill.

STRUCTURAL SLATE CO., THE, 101 Marietta St., Pen Argyl, Pa.
Pres.—N. M. Male.
V. P.—Wm. Bray.
Secy.—Martin L. Parsons.
Treas.—Wm. H. Smith.
Gen. Mgr.—Wm. A. Kitto.
Atlanta, Ga.—101 St.
Boston, Mass.—622 Old South Bldg.
Buffalo, N. Y.—823 White Bldg.
Chicago—1451 Marquette Bldg.
Cincinnati, O.—807 Gerke Bldg.
Cleveland, O.—513 National Bldg.
Kansas City, Mo.—1533 Walnut St.
Minneapolis, Minn.—Builders Exchange.
New York—Room 1125, 200 Fifth Ave.
Philadelphia, Pa.—313 Perry Bldg.
Pittsburgh, Pa.—307 Union Bank Bldg.
Washington, D. C.—620 Bond Bldg.

Structural Steel Dept. of Submarine Boat Corp., Port Newark, N. J.
Structural Stone Co., sinks & trays, etc., Hubbard, O.
Structural Tool Co., punching dies, rivet sets, etc., 3160H W. 106th, Cleveland, Ohio.
Strum Elevator Co., 1015 Nicolai, Portland, Ore.
Strunz, S., & Son, soap, 708 Bingham, Pittsburgh, Pa.
Struppman & Co., W. Hoboken, N. J.
Struthers Cooperage Co., Struthers, Ohio & Romeo, Mich.
Struthers Furnace Co., basic & fndry. pig iron, 350 Madison av., New York.
Struthers-Wells Co., Warren, Pa.
Struthers-Ziegler Cooperage Co., 1314 Lafayette Bldg., Detroit, Mich.
Struve, John, flour, Lyons, Iowa.
Stryker, A. A., & Sons, contrs., Summit, N. J.
Stryker Boat-Oar Lumber Co., Stryker, Ohio.
Stryker Builders' Supply Co., Stryker, Ohio.
Stuart & Co., D. A., 2753 S. Troy St., Chicago.
Stuart & Peterson Co., Burlington, N. J.
Stuart Foundry Co., 138 S. Junction, Detroit, Mich.
Stuart Keith & Co., overalls, Fayette & Green, Baltimore, Md.
Stuart Lumber Co., Brinson, Ga.
Stuart Products Corp., batteries, 623 Washington, Chicago, Ill.
Stuart, R. J. & T. H., New Hamburg, N. Y.
Stuart, T., & Son Co., contrs., 77 Summer, Boston, Mass.
Stuart, Wm. A., bldg. contr., Auburn, N. Y.
Stubbs Electric Co., 75-6th St., Portland, Ore.
Stubbs, Geo. J., & Co., contrs., 30 W. State, Akron, O.
Stubbs Steel Co., 17 N. 5th St., Philadelphia, Pa.
Stuber & Kuck Co., lawn sprinklers, tinware, etc., Peoria, Ill.
Stuber, F., & Son, cornices & skylights, Lawrenceburg, Ind.
Stubin Keyser Elec. Water Heater Co., Steubenville, O.
Stuckeman Brothers, Inc., 18 Ruth St., Pittsburgh, Pa.
Stucker & Bros., W. W., Columbus, O.
Stucker Bros. Construction Co., contrs., Harrisburg, Pa.
Stucki, A., Oliver Bldg., Pittsburgh, Pa.
Stuckstede Bell Foundry Co., Hy., 1312 S. 2d St., St. Louis, Mo.
Studebaker Corp. of America, The, 850 S. Gellon St., South Bend, Ind.
Studebaker Wolf Rubber Co., tires, Marion, Ohio.
Stuebing Truck Co., The, 312-14-16 E. Court St., Cincinnati, O.
Stuebner, G. L., Iron Works, Queensboro Terminal, Long Island City, N. Y.
Stuempfle's Sons, David, Williamsport, Pa.
Stuhlman Bros., carriages, Palmyra, Mo.
Stuhr Lumber Co., 936 Lumber Exchange, Minneapolis, Minn.
Stulp, Fred J., hose menders, 220 Sanford, Muskegon, Mich.
Stulsaft, M., Co., steamfitters' & plumbers' supplies, 647 Mission, San Francisco, Calif.
Stultz, Ben F., flour mill, Mathias, W. Va.
Stultz, C. M., flour mill, New Market, Va.
Stulz-Sickles Co., contrs.' tools & supps., 121 Lafayette, Newark, N. J.
Stumpe, F. W., brick, Washington, Mo.
Stumpf, Jacob & Son, contractors, Lancaster, Pa.

STUPAKOFF LABORATORIES, THE, Hamilton Ave., Pittsburgh, Pa.

STUPP BROS. BRIDGE & IRON CO., 916 Locust St., St. Louis, Mo.
Pres.—Peter Stupp.
V. P.—Erwin P. Stupp.
Treas.—Julius Stupp.
Sec.—John W. Thomsen.

Sturdy's Sons Co., J. F., Attleboro Falls, Mass.
Sturges & Burn Mfg. Co., 838 W. Congress St., Chicago.
Sturges Lumber Co., Sedalia, Mo.
Sturgis Bros., contractors, Morristown, N. J.
Sturgis-Jones Last Co., wooden shoe lasts, Brockton, Mass.
Sturgis Machine Co., machsts. & fndrs., Sturgis, Mich.
Sturgis Milling Co., flour, Sturgis, Ky.
Sturgis Steel Go-Cart Co., children's carriages, Sturgis, Mich.
Sturgis, W. B., & Sons, agricultural implements, Shelbyville, Ill.
Sturm Bros., htg. contrs., 401½ E. Superior, Duluth, Minn.
Sturm, L. E., 310 Wyandotte Bldg., Columbus, O.

STURM RADIO CABINET FACTORY, 319 S. Jefferson St., Chicago.

Sturn Dumbwaiters & Elevator Co., 289 Union, Portland, Ore.
Sturtevant & Haley Beef & Supply Co., meat packers, 40 F. H. Market, Boston, Mass.
Sturtevant Co., B. F., 200 Devon. Boston, Mass.
Sturtevant-Larrabee Co., carriages, Binghamton, N. Y.

STURTEVANT MILL CO., Main Office and Works, Clayton & Park Dor., Boston, Mass.

Stutfast, M., & Co., 270 11th st., Oakland, Calif., & 111 I st, Sacramento, Calif., & 832 Wilson av., Los Angeles, Calif.
Stuttgart Mach. Co., Stuttgart, Ark.
Stuttgart Rice Mill Co., Stuttgart, Ark.
Stuttle Brass Mfg. Co., founders, Batavia, Ill.
Stutz Motor Car Co., Capitol Ave., and 11th st., Indianapolis, Ind.
Stutzman, Frank, machinist, Williamsport, Pa.
Stutzman Mfg. Co., fruit evaporators, Ligonier, Ind.
Stuyvesant Piano Co., 605 E. 132d, New York.
Styninger, Jno. A., steam fitters' supplies, Bay City, Mich.
Styron-Beggs & Co., Newark, O.
Styve Bros., wholesale hardware, Lake Mills, Ia.
Suber, A. A. machinist, Deshler, Ohio.
Submarine Boat Corp., 5 Nassau St., New York.
Submarine Signal Co., 160 State, Boston, Mass.
Suburban Brick Co., Moundsville, W. Va.
Suburban Lighting Co., elec. lgt. plants, Toledo, Ohio.
Success Brick & Tile Co., Greenwood, Miss.
Success Dish Washing Machine Co., Wooster, Ohio.
Success Mfg. Co., Gloucester, Mass.
Success Mfg. Co., fruit pickers' ladders, lumber, sashes, etc., E. 1027 Marietta av., Spokane, Wash.
Success Milking Mach. Co., 1033 Winnebago, Milwaukee, Wis.
Such Clay Co., South Amboy, N. J.
Sucher, Chas., Packing Co., meat packers, Dayton, Ohio.
Suck, Theo., flour mills, Silverton, W. Va.
Suction System Cleaning Co., hand vacuum cleaners, Sidney, O.
Sudden & Christenson, lbr. dlrs., 112H Market, San Francisco, Calif.
Suderman & Young, contrs., Galveston, Tex.
Sudlersville Canning Co., Sudlersville, Md.
Suelflohn & Seefeld, wholesale hdwe., 45 2nd, Milwaukee, Wis.
Suer, B., & Sons, brick, 138 Duck Creek rd., Cincinnati, Ohio.
Suer, Herman, & Sons, brick, Marburg av., Hyde Park, Cincinnati, Ohio.
Suess Glass Co., stainers, Seattle, Wash.
Suess, P. F., Machinery Exchange, Pearl and Howard, Green Bay, Wis.
Suffa, Jos., cornices, Watertown, Conn.
Suffern Co., Inc., 135 Broadway, New York.
Suffolk Clay Co., common brick, Suffolk, Va.
Suffolk Knitting Co., bathing suit mfrs., E. Boston, Mass.
Suffolk Gilless Bearing Co., Woburn, Mass.
Suffron, C. E., machinist, Peebles, Ohio.
Sugar App. Mfg. Co., Poplar, Wilmington, Del.
Sugar Land Mfg. Co., Sugar Land, Texas.
Sugar Machinery Co., 129 W. 2d, Los Angeles, Calif.
Sugar Magazine, trade publication, 153 Waverly pl., New York.
Sugar River Canning Co., Waukesha, Wis.
Sugarman Iron & Metal Co., scrap iron, 5th and Brannan, San Francisco, Calif.
Sugden Press Bagging Co., press cloths, West Chelmsford, Mass.
Suhre, Rudolph, Sons Co., leather, 1300 Harrison av., Cincinnati, O.
Suitt Bros. Mfg. Co., chairs, Cambridge, Ohio.
Sukernek, Louis, Jr., scrap iron & steel, 993 Clinton, Buffalo, N. Y.
Sulligent Cotton Oil Co., Sulligent, Ala.
Sullivan & Carmody, cornices & skylights, Holyoke, Mass.
Sullivan & Co., T., 2 Arthur St., Buffalo, N. Y.
Sullivan & McKeon, contractors, 937 Dixwell av., New Haven, Conn.
Sullivan & McNally Co., contrs., Paterson, N. J.
Sullivan Bridge Co., Sullivan, Ind.
Sullivan Brush Co., Sullivan, Ind.
Sullivan Chemical Co., Acidalia, N. Y.
Sullivan Co., Edward S., 797 Monadnock Bldg., San Francisco, Cal.
Sullivan Co., John W., 827 E. 9th St., New York.
Sullivan Concrete Wks., roofing tile, Sullivan, Ill.
Sullivan Condensed Milk Co., canned, Sullivan, Wis.
Sullivan, Eugene, & Son, granite, Barre, Vt.
Sullivan, Frank T., 600 Ellicott Sq., Buffalo, N. Y.
Sullivan-Geiger Co., The, 501 Madison Ave., Indianapolis, Ind.
Sullivan Hardware Co., Anderson, S. C.
Sullivan, J., & Sons Mfg. Co., cotton webbing, 2224 N. 9th, Philadelphia, Pa.
Sullivan, J. B., & Sons, Inc., contrs., Newport, R. I.
Sullivan, J. S., Saddletree Co., Jefferson City, Mo.
Sullivan, Jas., & Son, gelatine & glue, Marblehead, Mass.
Sullivan, Jno., & Son, tarpaulins, wagon covers, etc., 356 Hudson, New York.
Sullivan, Jno., brick, Lansdowne, Pa.
Sullivan, John B., & Son, stone producers, Taunton, Mass.
Sullivan, John J., marble producer, Gouverneur, N. Y.
Sullivan, Jr., Daniel P., 1140 Harrison St., Boston, Mass.
Sullivan-Korber Co., archl. iron, store fronts, etc., 2437 W. 21st pl., Chicago, Ill.
Sullivan Lumber Co., Northwestern Bank Bldg., Portland, Ore.
Sullivan, M., & Sons Constr. Co., Bell Bldg., Cincinnati, Ohio.

SULLIVAN MACHINERY CO., 128 S. Michigan Ave., Chicago.
Pres.—Frederick K. Copeland.
V. P.—Howard T. Walsh (Sales).
V. P.—Arthur E. Blackwood (Financial).
Sec.—Thos. W. Fry, Claremont, N. H.
Treas.—J. Duncan Upham, Claremont, N. H.
Branch Offices:
Birmingham, Ala.—2108 5th Ave., North, G. P. Small.

(Continued on following page)

SULLIVAN MACHINERY CO.—Continued.
Boston, Mass.—201 Devonshire St., G. H. Richey, Mgr.
Butte, Mont.—43 E. Broadway, J. G. Graham.
Chicago—122 S. Michigan Ave., J. H. Brown.
Cleveland, O.—824 Rockefeller Bldg., R. T. Stone.
Dallas, Tex.—331 Western Indemnity Bldg., D. H. Hunter.
Denver, Colo.—836 Equitable Bldg., J. H. Emrick.
Duluth, Minn.—910 Alworth Bldg., J. A. Noyes.
El Paso, Tex.—511 Mills Bldg., R. S. Weiner.
Huntington, W. Va.—736 3rd Ave., J. S. Walker, Jr.
Joplin, Mo.—4th and Wall Sts., O. J. Neslage.
Knoxville, Tenn.—614 Market St., E. L. Thomas.
New York—30 Church St., L. R. Chadwick.
Pittsburgh, Pa.—1513 Farmers Bk. Bldg., W. R. Jarvis.
St. Louis, Mo.—Railway Exchange Bldg., D. M. Sutor.
Salt Lake City, Utah—117 W. 2nd South St., B. B. Brewster.
San Francisco, Cal.—582 Market St., R. P. McGrath.
Spokane, Wash.—619 Hutton Bldg., R. T. Banks.
Terre Haute, Ind.—13th St. & 7th Ave., H. A. Wiley.
Foreign:
Toronto, Ont., Can.—37 Colburne St., L. B. Black.
Vancouver, B. C., Can.—406 Winch Bldg., P. E. Ritchie.
Calcutta, India—301-2 Bow Bazar St.
London, E. C. 2, Eng.—Salisbury House.
Paris, France—Compagnie Sullivan, 10 Ave. Parmentier.
Santiago, Chili—Casilla 27.
Sydney, Australia—Australasia Chambers, Martin Place.
Tokyo, Japan—Matt Brodie, c/o Eng. Dept. Mitsui Bussan Kaisha, Yuraku-Cho, Kojimachi-ku.

Sullivan-Markley Hdwe. Co., Greenville, S. C.
Sullivan, Mason & Sullivan, contrs., Alexandria, Ind.
Sullivan Motor Truck Corp., 1703 East av., Rochester, N. Y.
Sullivan Oil Co., 413 N. Wells, Chicago, Ill.
Sullivan Packing Co., meat packers, 2590 Beecher av., Detroit, Mich.
Sullivan Printing Wks. Co., calendar pads, 1054 Gilbert, Cincinnati, Ohio.
Sullivan Supply Co., Saginaw, Mich.
Sullivan, T. D., & Sons Co., contrs., Newton Highlands, Mass.
Sullivan Varnish Co., 410 Hart St., Chicago.
Sullivan, W. M., stone producers, Norristown, Pa.
Sullivan, Wm. J., Co., stone producers, 99 Southampton, Boston, Mass.
Sulloway Mills, Franklin, N. H.
Sulpice, L. F., machinist, New Orleans, La.
Sulpriso Machine Works, see United Engine Machine Co., Inc. (succesor).
Sultan, Ernest J., Mfg. Co., furniture, 460 Bryant, San Francisco, Calif.
Sulzer & Co., 252 N. 11th St., Philadelphia, Pa.

SUMET CORP. (Sumet [High Lead Content] Bronze Bearings; Cored and Solid Bars), 564 Ellicott Sq., Buffalo, N. Y.

Summer, J. E., architect, Greenwood, S. C.

SUMMERHAYS, WM., & SONS, chimneys, 70 Exchange, Rochester, N. Y.

Summerill Tubing Co., Bridgeport, Pa.
Summers & Harden, contrs., Lima, Ohio.
Summers, A., & Sons, contractors, Janesville, Wis.
Summers Buggy Co., Barnesville, Ga.
Summers, C. G., & Co., canned goods, Russell and Cary, Baltimore, Md.
Summers, Crosley & Co., whol. hdwe., Opelika, Ala.
Summers, F. A., machst. & fndr., Mitchell, S. D.
Summers Hardware Co., Johnson City, Tenn.
Summers, W. L., machst. & fndr., West Plains, Mo.
Summers, Wm., Co., milk bottle caps, Piqua, Ohio.
Summerville Brick Co., Summerville, S. C.
Summerville Cotton Oil Co., Summerville, Ga.
Summit China Co., 1037 Banks St., Akron, O.
Summit Canning Co., Akron, Ind.
Summit Coal Mining Co., bituminous, Punxsutawney, Pa.
Summit Foundry Co., Geneva, N. Y.
Summit Lime Co., Los Angeles, Calif.
Summit Pressed Brick & Tile Co., Pueblo, Colo.
Summit Silica Co., Barberton, O.
Summit Stove Wks., Morrison, Ill.
Summit Thread Co., 103 Medford, Boston, Mass.
Summitville Clay Products Co., Summitville, O.
Summitville Drain Tile Co., Summitville, Ind.
Sumner & Dunbar, mill & factory plumbers' supplies, jobbers, 287 Congress, Boston, Mass.
Sumner, A. B., & Son, shoe counters, Lynn, Mass.
Sumner Belting Co., Wm., Tolland, Conn.
Sumner Counter Co., Haverhill, Mass.
Sumner Iron Works, Everett, Wash.
Sumner, Wm., Belting Co., belt lacing, Tolland, Conn.
Sumter Brick Works, Sumter, S. C.
Sumter Coffin & Casket Mfg. Co., Sumter, S. C.
Sumter Electrical Works, Sumter, S. C.
Sumter Lumber Co., Electric Mills, Miss.
Sumter Machy. Co., Sumter, S. C.
Sumter Railway & Mill Supply Co., Sumter, S. C.
Sumter Tel. Co., machsts. & fndrs., Sumter, S. C.
Sun Burst Stove Mfg. Co., 6122 S. Main St., Los Angeles, Calif.
Sun Co., Morris Bldg., Philadelphia, Pa.
Sun Enamel Wks., Leominster, Mass.
Sun-Light Arc Corp., 1600 Broadway, New York.
Sun Machinery & Iron Works, Inc., Lobe Bldg., Baltimore, Md.
Sun Mfg. Co., Lorain & McKinley Aves., Columbus, O
Sun Milling Co., cereal foods, Oakland, Calif.
Sun Motor Car Co., automobile bldrs., Elkhart, Ind.
Sun Power Engine Co., Detroit, Mich.
Sun Prairie Canning Co., Sun Prairie, Wis.
Sun-Ray Mfg. Co., The, Oshkosh, Wis.
Sun Ray Stove Co., Delaware, Ohio.
Sun Ship Building Co., Chester, Pa.
Sun Tent & Awning Co., camp stoves, etc., 88 Merchant st., San Francisco, Calif.
Sun Typewriter Co., 88 Reade St., New York.
Sun Vapor & Gas Street Light Co., 1000-1020 S. Market St., Canton, O.
Sun Varnish Co., 14th & Magnolia St., Louisville, Ky.
Sun Wall Paper Mfg. Co., Reading, Pa.
Sunasack, R. W., see Irwin Leather Goods Co. (successor).
Sunbeam Chemical Co., aniline colors, 1401 W. Jackson blvd., Chicago, Ill.

SUNBEAM ELECTRIC MFG. CO., Read & Morgan Aves., Evansville, Ind.
Chrm. Board of Dir.—W. H. McCurdy.
Pres.—W. A. Carson.
V. P.—Sidney L. Ichenhauser.
Sec.—J. A. Wieber.
Treas.—J. Henry Schroeder.
Chicago—332 S. Michigan Ave., H. A. Varney.
Denver, Colo.—1030 Fifteenth St., Hugh U. Mudge.
New York—52 Vanderbilt Ave., F. W. Edmunds.
Philadelphia, Pa.—543 W. Fishers Ave., W. T. Manogue.
Richmond, Va.—1444 E. Main St., Fleming & Cardozo.
San Francisco, Cal.—72-78 New Montgomery St., S. Herbert Lanyon.
Washington, D. C.—International Bldg., Lewis B. Rhodes.

Sunbeam Incandescent Lamp Div. Nat'l. Lamp Works of General Electric Co., 500 S. Clinton St., Chicago.
Sunbright Canning Co., Dickson, Tenn.
Sunbury Burial Case Co., coffins, Sunbury, Pa.
Sunbury Coffin & Casket Co., Sunbury, Pa.
Sunbury Mfg. Co., Sunbury, O.
Sunday & Faber, carriages, Mendota, Ill.
Sunday Creek Coal Co., Outlook Bldg., Columbus, Ohio.
Sunday, J. D., flour mills, Bernville, Pa.
Sundberg Co. (Forge Wks.), 1024 W. Kinzie St., Chicago.
Sundberg Co., crankshafts, forgings, etc., 1024 W. Kinzie, Chicago, Ill.
Sunde & d'Evers Co., Colman Block, Seattle, Wash.
Sunderland Bros. Co., Omaha, Neb.
Sunderland, J. C., Interstate Bldg., Kansas City, Mo.
Sunderland Mach. & Sup. Co., Omaha, Neb.
Sunderland Mfg. Co., air pumps, 600 W. 22d, Chicago, Ill.
Sundermann Corporation, Newburgh, N. Y.
Sundh Electric Co., 5 Ave. C., Newark, N. J.
Sundh Engineering & Machine Co., 1105 Frankfort Ave., Philadelphia, Pa.
Sundheimer, Hy., kryolith, 103 Park av., New York.
Sundstrand Adding Machine Co., The, Rockford, Ill.
Sundstrand Engineering Co., Rockford, Ill.
Sundt, M. M., sashes, doors & blinds, Las Vegas, N. M.
Sunflower Glass Co., window glass mfrs., Sapulpa, Okla.
Sunflower Lbr. Co., Clarksdale, Miss.
Sunlight Coal Co., H. Fletcher Bank Bldg., Boonville, Ind.
Sunlight Electrical Mfg. Co., motors, Warren, O.
Sunlight Elec. Spec. Co., dry batteries, 458 Broadway, New York.
Sunlight Gas Machine Co., 68 Summit St., Brooklyn, N. Y.
Sunlight Oil & Gasoline Co., naphtha refiners, 49th and Gray's av., Philadelphia, Pa.
Sunlight Reflector Co., 143 Court St., Brooklyn, N. Y.
Sunlit Fruit Co., canners, 112 Market, San Francisco, Calif.
Sunlite Co., The, McKinney, Tex.
Sunny California Packing Corp., fruits, Orville, Calif.
Sunny Line Appliances, Inc., clothes washers and wringers, 4058 Beaufort, Detroit, Mich.
Sunnyside Granite Co., Richmond, Va.
Sunnyvale Canneries, Sunnyvale, Calif.
Sunset Aircraft Corp., The, Venice, Cal.
Sunset Brick & Tile Co., Gonzales, Tex.
Sunset Broom & Brush Co., 851 Treat av., San Francisco, Calif.
Sunset Canning Co., Pomona, Calif.
Sunset Iron Wks., ornamental iron, 124 Folsour, San Francisco, Calif.
Sunset Knitting Co., 1212 Market, San Francisco; Calif.
Sunset Lumber Co., Oakland, Calif.
Sunset Packing Co., West Pembroke, Me.
Sunset Packing Co., meat packers, Emeryville, Calif.
Sunset Paint Co., 627 S. Main St., Los Angeles, Cal.
Sunset Smelting & Refining Co., 1639 18th, Oakland, Calif.
Sunset Spring Co., The, Los Angeles, Cal.
Sunshine Christmas Tree Outfit Co., 361 Canal, New York.
Sunshine, Jasper Co., sadirons, 59 E. 8th, New York.
Sunshine Mantle Co., Chanute, Kans.
Sunshine Safety Lamp Co., 1818 Walnut, Kansas City, Mo.
Sunshine Reed Studio, 805 E. Randolph, Huntington Park, Calif.
Sunshine State Oil & Refining Co., 1019-25 American Nat'l Bank Bldg., Wichita Falls, Tex.
Suor & Suor Co., contrs., Main and City Line, Buffalo, N. Y.
Super Auto Products Co., piston rings, 104 Olive, San Francisco, Calif.
Super-Refined Metals Corp., 315 W. av., 33, Los Angeles, Calif.
Superb Bronze & Iron Co., 254 Park av., Brooklyn, N. Y.
Superb Mfg. Co., Inc., Monticello, Ind.
Superb Stamp Pad Co., Auburn, N. Y.
Superbo Mfg. Co., water heaters, 1660 Long Beach av., Los Angeles, Calif.
Super-Gloss Mfg. Co., dustless dust cloths, furniture polish, etc., 710 Van Ness av., San Francisco, Calif.
Superheater Co., The, 17 E. 42nd St., New York.
Superior Bearing Bronze Co., Inc., castings, 719 1st av., New York.
Superior Binder Co., Inc., 70 Warren St., New York.
Superior Boiler Works, Marion, Ind.
Superior Box Co., Superior, Wis.
Superior Brass & Copper Fdry., armature coils, 527 St. Joseph, New Orleans, La.
Superior Brass & Fixture Co., 312 W. Jackson blvd., Chicago, Ill.
Superior Brass & Mfg. Co., machsts. & fndrs., 106 S. 8th, St. Louis, Mo.
Superior Brass Foundry, Waterloo, Ia.

SUPERIOR BRASS MFG. CO., THE, 98 Wayne, Mansfield, Ohio.

Superior Brass Nov. Co., bathroom fixtures & furnishings, 2740 Park av., New York.
Superior Bronze Corp., 19th & Poplar St., Erie, Pa.
Superior Button Mfg. Co., 41 N. 11th, Philadelphia, Pa.
Superior Carbon Products, Inc., Poughkeepsie, N. Y.
Superior Charcoal Iron Co., pig iron & coke dlrs., Grand Rapids, Mich.
Superior Chemical Co., alums, Joliet, Ill.
Superior Churn & Mfg. Co., Northville, Mich.
Superior Coal Co., Gillespie, Ill.
Superior Colliery Co., Hamm Bldg., Detroit, Mich.
Superior Corundum Wheel Co., Waltham, Mass.
Superior Die Casting Co., The, 874 E. 72d St., Cleveland, O.
Superior Die, Tool & Machine Co., Columbus, Ohio.
Superior Door Catch Co., Superior, Wis.
Superior Electro Mfg. Co., electro plating, 2416 University av., Minneapolis, Minn.
Superior Fifth Wheel Co., Superior, Wis.
Superior Fire Proof Door & Sash Co., 1311 Carter av., New York.
Superior Fixture Co., elec. fixtures, Des Moines, Ia.
Superior Flake Graphite Co., 76 W. Monroe St., Chicago.
Superior Foundry & Mfg. Co., Belleville, Ill.
Superior Fdry. Co., E. 71st & W. L. E. Ry., Cleveland, O.
Superior Fuel Co., bituminous coal mine, Russelton, Pa.
Superior Garment Co., overalls, Columbia City, Ind.
Superior Gas Engine Co., Springfield, O.
Superior Guano Co., fertilizer mfrs., Munsey Bldg., Baltimore, Md.
Superior Hardware Co., Superior, Wis.
Superior Hay Stacker Mfg. Co., Linneus, Mo.
Superior Iron & Mfg. Co., Wauseon, Ohio.
Superior Iron Works Co., Superior, Wis.
Superior Ivory Button Co., 49 Dickerson, Newark, N. J.
Superior Laboratories, stove polish, Grand Rapids, Mich.
Superior Ladder Co., Goshen, Ind.
Superior Lamp Mfg. Co., 148 W. 52nd St., New York.
Superior Light & Heat Co., gas generators, 330 S. San Pedro, Los Angeles, Calif.
Superior Mach. & Boiler Wks., 848 W. Superior, Chicago, Ill.
Superior Machine & Boiler Works, 848 W. Superior St., Chicago.
Superior Machine & Engineering Co., 451 E. Fort St., Detroit, Mich.
Superior Machine Co., Sterling, Ill.
Superior Machine Tool Co., Kokomo, Ind.
Superior Mfg. Co., drop forgings & expansive bits, Gloucester, Mass.
Superior Mfg. Co., plbrs.' supplies, 5723 W. Huron, Chicago, Ill.
Superior Mfg. Co., see Superior Pipe Co. (successor).
Superior Mfg. Co., sweaters, cardigans, etc., Hoosick Falls, N. Y.
Superior Mfg. Co., Inc., pumps, Lodi, Calif.
Superior Mfg. Co., The, Liverpool & Oxline Sts., Pittsburgh, Pa.
Superior Metal Products Co., Elyria, O.
Superior Metal Products Co., Indianapolis, Ind.
Superior Meter Co., gas calorimeters & photometers, etc., 167 41st, Brooklyn, N. Y.
Superior Milling Co., flour, Superior, Neb.
Superior Motor Power Co., New York.
Superior Motor Truck Co., Atlanta, Ga.
Superior Motors Co., Warren, Ohio.
Superior Oil & Supply Co., 1748 Wilmot av., Chicago, Ill.
Superior Oil Works, Warren, Pa.

SUPERIOR OXY-ACETYLENE MACHINE CO., Hamilton, O.
Pres.—C. E. Freeman.
Sec. & Treas.—E. P. Weller.
Supt.—G. A. Henninger.

Superior Pipe Co., castiron soil pipe, Besemer, Ala.
Superior Piston Ring Co., Inc., 226 Bates, Detroit, Mich.
Superior Polish Co., shoe blacking, Brockton, Mass.
Superior Portland Cement Co., Union Central Bldg., Cincinnati, O.
Superior Portland Cement Co., Seaboard Bldg., Seattle, Wash.
Superior Post Co., 2907 Summit St., Toledo, O.
Superior Press Brick Co., 3190 S. Kingshighway, St. Louis, Mo.
Superior Red Slate Co., roofing, Granville, N. Y.
Superior Sand Co., The, 807 Cuyahoga Bldg., Cleveland, O.
Superior Sand & Gravel Co., 926 Dime Bank Bldg., Detroit, Mich.
Superior Screw & Bolt Mfg. Co., 3650H E. 93d, Cleveland, O.
Superior Seating Co., school furniture, Muskegon, Mich.
Superior Sheet Metal Works, 3201-9 Roosevelt Ave., Indianapolis, Ind.
Superior Sheet Steel Co., Canton and Louisville rd., Canton, Ohio.
Superior Ship Building Co., Superior, Wis.
Superior Skylight Co., 95 Webster av., New York.
Superior Spring Co., The, Springfield, O.
Superior Spring Hinge Co., 550 W. Lake St., Chicago.

SUPERIOR STAMPING CO., metal stamping & specialties, Second and Elm, Cincinnati, Ohio.

Superior Steel Casting Co., Benton Harbor, Mich.
Superior Steel Co., 529H Union Arcade, Pittsburgh, Pa.

SUPERIOR STEEL CORPORATION, Union Trust Bldg., Pittsburgh, Pa.
Chicago—Jefferson and Adams St., Steel Sales Corp.
New York—30 Howard St., Wm. H. Leonori & Co.
Detroit Sales Office:
Dime Bank Bldg., Detroit, Mich.
Eastern Sales Offices:
Hartford, Conn.—Hartford-Connecticut Trust Bldg.
Philadelphia, Pa.—Widener Bldg.
Works: Carnegie, Pa.

Superior Steel Spring Co., Mt. Clemons, Mich.
Superior Steel Stamp Co., 1218 W. 6th St., Cleveland, O.
Superior Supply Co. (Contrs. Supls.), 327 S. La Salle St., Chicago.
Superior Supply Co., Bluefield, W. Va.
Superior Tack & Nail Co., Derby, Conn.
Superior Tack & Nail Co., Penn Yan, N. Y.
Superior Tanning Co., 1254 W. Division, Chicago, Ill.
Superior Tile & Products Co., 1918 Prince, Berkeley, Calif.
Superior Tool Co., Cambridge, O.
Superior Type Co., 3940 Ravenswood Ave., Chicago.
Superior Wrapping Paper Printing Co., 700 N. Green St., Chicago.
Super-Refined Metals Co., bearings, 315 West av. 33, Los Angeles, Calif.
Super-Test Products Co., roofing cements & paints, 2416 E. 14th, Los Angeles, Calif.
Superl Mfg. Co., 213 E. 7th St., Los Angeles, Calif
Supertone Talking Mach. Co., 18 W. 20th, New York.
Supervising Architect, U. S. Treasury Annex, Washington, D. C.
Suppes Forge & Foundry Co., Johnstown, Pa.
Suppie, Francis, machy. dlr., 330 Atlantic av., Boston, Mass.
Suppie, Jos., Machine Works, Inc., Ft. of E. Yarnhill, Portland, Ore.
Supple, Wm., brooms, Topeka, Kan.
Supplee-Biddle Hardware Co., Market, Commerce and 3rd Sts., Philadelphia, Pa.
Supreme Knitting Machine Exchange, 7 Boreum, Brooklyn, N. Y.
Supreme Paint, Varnish & Enamel Co., 1375 Golden Gate av., San Francisco, Calif.
Supro Bldg. Products Co., metal ceilings, 315 Vanderbilt av., Brooklyn, N. Y.
Sure Hatch Incubator Co., Fremont, Neb.
Sure Seal Bottle Capper Co., can opener, 2650 Coyne st., Chicago, Ill.
Sure-way Chemical Co., 2146 Farrar St., St. Louis, Mo.
Surerus & Greenhill, 502 W. Division St., Chicago.
Surety Engineering Co., Inc., contrs., 30 Church, New York.
Surety Guard Co., elevator safety devices & saw guards, 62 E. Lake, Chicago, Ill.
Surf Packing Co., canned goods, Aberdeen, Wash.
Surface Combustion Co., The, 366-8 Gerard Ave., New York.
Surgex Mfg. Co., 829 Harrison st., Oakland, Calif.

Surgical & Athletic Wear Mfg. Co., 85 Springfield av., Newark, N. J.
Surpass Leather Co., 17 Battery pl., New York.
Surpless, Dunn & Co., whol. hdwe., 74 Murray, New York.
Surprise Stove Polish, 503 Market, San Francisco, Calif.
Surry Lumber Co., Union Trust Bldg., Baltimore, Md.
Surty-Guard Co., Inc., 4139 W. Kinzie St., Chicago.
Suskin, Louis B., overalls, 701 W. Pratt, Baltimore, Md.
Suspension Roller Bearing Co., Spartanburg, S. C.
Suspension Steel Concrete Co., 410 N. Michigan blvd., Chicago, Ill.
Susquehanna Casting Co., Wrightsville, Pa.
Susquehanna Chemical Co., wood alcohol, Straight, Pa.
Susquehanna Collieries Co., Commercial Trust Co. Bldg., Philadelphia, Pa.
Susquehanna Collieries Co., Wilkes-Barre, Pa.
Susquehanna Cut Glass Co., Columbia, Pa.
Susquehanna Iron Co., rolling mills, York, Pa.
Susquehanna Stone Co., Williamsport, Pa.
Susquehanna Webbing Co., Bloomsburg, Pa.
Susquehanna Woolen Co., blankets, New Cumberland, Pa.
Sussfield, Lorsch & Schimmel, 153 W. 23rd St., New York.
Sussman, Frank, & Co., mill & factory supplies, scrap iron & steel, 1730 Pacific av., Tacoma, Wash.
Sussman, M., & Rosenburg Mfg. Co., auto. seats, Tarrytown, N. Y.
Sustins, F. A., machsts. & fndrs., Stevens Point, Wis.
Sutcliffe Co., Adam, 14 Leather Ave., Pawtucket, R. I.
Suter, Alfred, yarn conditioning machines, 200 5th av., New York.
Suter, Eugene, & Co., chemicals, oils, etc., 160 Broadway, New York.
Sutermeister, Arnold, Stone Co., Troost av. & Belt Line, Kansas City, Mo.
Sutherland & Edwards Co., jute twine, Paterson, N. J.
Sutherland, D. T., machinist, Bainbridge, Ga.
Sutherland, F. L., Co., handles, harness racks, 743 Beaubien, Detroit, Mich.
Sutherland-Innes Co., Ltd., cooperage stock, 17 Battery pl., New York.
Sutherland Mill Co., lumber, Everett, Wash.
Sutherland Paper Co., Kalamazoo, Mich.
Sutorins Auto Top Co., 631 3d av., Minneapolis, Minn.
Sutphin, Elmer E., machsts., Trenton, N. J.
Sutter, H., Granite & Marble Co., grantie, 562 Muskegon av., Milwaukee, Wis.
Sutterley, G. T., & Co., metal stampings, 1720H N. 2d, Philadelphia, Pa.
Sutton & Corson Co., contractors, Ocean City, N. J.
Sutton & Stephenson, contractors, 1317 Washington av., Philadelphia, Pa.
Sutton & Suderly Brick Co., Coeymans, N. Y.

SUTTON-ABRAMSEN ENGINEERING CO., rolling mill & spec. machy., straightening mach., 1309 Park Bldg., Pittsburgh, Pa.

Sutton, E. W., carpet linings, 53 Sedgwick, Brooklyn, N. Y.
Sutton, Frank, htg. & ventg. engrs., 140 Cedar, New York.
Sutton Grocer & Milling Co., flour, Sutton, W. Va.
Sutton, John P., & Co., meat packers, Auburn, Me.
Sutton, O. C., & Co., brick, Marianna, Ark.
Sutton, Steele & Steele, Inc., mining machy., etc., Dallas, Texas.
Sutton, W. A., & Co., iron, 926 N. 19th, Philadelphia, Pa.
Sutton, Wm. P., steam fitters' supplies, Keokuk, Ia.
Sutton's Mills, woolen flannels, North Andover, Mass.
Suverkrup, John, lumber, San Bernardino, Calif.
Suvio Heating & Lighting Co., gas jet heaters, 696 E. 161st, New York.
Suwanne Hardware Co. (whol.), Live Oak, Fla.
Suydam Co., M. B., 61st & Butler Sts., Pittsburgh, Pa.
Suzlo, Leonardo Construction Co., Meriden, Conn.
Svea Art Cabinet Works, 1210 W. Washington, Los Angeles, Calif.
Swab Carriage Co., Elizabethville, Pa.
Swab Foundry Co., Elizabethville, Pa.
Swab Wagon Co., Elizabethville, Pa.

SWABY MANUFACTURING CO., 2010-2014 Marshall Blvd., Chicago.
Pres.—William A. Swaby.
Sec.—E. C. Swett.
Treas.—E. Otto.

Swaim, C. W., Canning Co., Sabina, Ohio.
Swain & Angel Co., machsts. & fndrs., 3105 Smallman, Pittsburgh, Pa.
Swain & Reed, wood handles, Roxbury, Me.
Swain-Carpenter Co., plumbers' woodwork, 7th & Morris, Philadelphia, Pa.
Swain, Chas. H., & Co., contractors, Concord, N. H.
Swain Co., 443 W. 37th st., Chicago, Ill.
Swain Construction Co., 67 State, Lynn, Mass.
Swain, D. M., machinist, Stillwater, Minn.
Swain-Karmire Lumber Co., Fulton, Ky.
Swain, Wm. T., & Co., masons' & bldrs.' matls., Nantucket, Mass.
Swaine Mfg. Co., Fred J., 7th and O'Fallon Sts., St. Louis, Mo.
Swaine, John, Iron Works Co., 30 Daytona, Springfield, Mass.
Swainesboro Fertilizer Co., Swainesboro, Ga.
Swallow, W. Shelton Co., contractors, 105 W. 40th, New York.
Swan & Co., Alden S., 148 Front St., New York.
Swan & Finch Co., 522 5th Ave., New York.
Swan & Sons, D. L., Springfield, Mass.
Swan & Son, contrs., Crawfordsville, Ind.
Swan Co., The James, Seymour, Conn.
Swan, Geo. B., rural mail boxes, Mattoon, Ill.
Swan, Robt., Jr., Co., contrs., Jenkins Arcade, Pittsburg, Pa.
Swan, S. N., & Sons, organs, Freeport, Ill.
Swanberg Mfg. Co., 5247 Ravenswood Ave., Chicago.
Swanfeldt Tent & Awning Co., 224 S. Main St., Los Angeles, Calif.
Swanger & McClain, cornices, Marion, Ind.
Swanger, J. Q., Jr., cornices, Mishawaka, Ind.
Swank Hardware Co., Swank Bldg., Johnstown, Pa.
Swank's Sons, Hiram, Johnstown, Pa.
Swansdown Knitting Co., sweaters, cardigans, etc., Hudson, N. Y.
Swanson, A. J., brick, Lindsborg, Kans.
Swanson Automatic Flange Lubricator Co., Central Savings Bank Bldg., Denver Colo.
Swanson Bros., contractors, Massillon, Ohio.
Swanson, J., Glass Co., 108 W. Chicago av., Chicago, Ill.
Swanson, Peter, naval architect, Belvedere, Calif.
Swanson Plow Co., Muskogee, Okla.
Swanson's Launch & Boat Works, foot of 19th av., Oakland, Calif.
Swanstron Mfg. Co., water supply systems, Hammond, Ind.
Swarthmore Coll., engng. school & coll., Swarthmore, Pa.
Swartout Co., ventilators, steam separators, etc., 18515 Euclid av., Cleveland, Ohio.
Swartout Company, The, 9300 Detroit Ave., Cleveland, O.
Swartz, H. D. (Traps), 6 Prescott Pl., Scranton, Pa.
Swartz Mfg. Co., engine pistons, Freeport, Ill.
Swartz, Philip, & Sons, machsts. & fndrs., Moscow, Pa.
Swartz, S. M., Lumber Co., Newton, Kans.
Swartz Sand Co., Wichita, Kans.
Swash Motor Washer Co., clothes washing machines, Buttles & Michigan av., Columbus, Ohio.
Swastika Lumber Co., 102 O, Fresno, Calif.
Swayne Lbr. Co., Oroville, Calif.
Swayne, Robinson & Co., Inc., Richmond, Ind.
Swayze Advtg. Co., advtg. novelties, Canton, Pa.
Swayzee Canning Co., Swayzee, Ind.
Swearingen Ink Co., J. C., 222-226 Wick St., Pittsburgh, Pa.
Sweat-Comings Co., sash, door & blind mfrs., Richford, Vt.
Swedish Charcoal Steel Producers, Inc., steel imp., 165 Broadway, New York.
Swedish Crucible Steel Co., Butler & G. T. R. R., Detroit, Mich.
Swedish Crucible Steel Co. of Canada, Windsor, Ont., Can.

SWEDISH STEEL SALES CO., LTD., Grand Central Terminal Bldg., Suite 1420, New York, N. Y.

Swedish Venetian Blind Co., 1265 Broadway, New York.
Sweeney & Gray Co., machsts., 83-85 6th, Long Island City, N. Y.
Sweeney & James Co., advertising counsellors, 1632 Euclid av., Cleveland, Ohio.
Sweeney Electrical Co., B. K., 227-15th St., Denver, Colo.
Sweeney, J. A., & Co., cornices, Rapid Run rd., Cincinnati, Ohio.
Sweeney Lithograph Co., Inc., Academy & Cortlandt Sts., Belleville, N. J.
Sweeney, M. A., Shipyard & Foundry Co., Jeffersonville, Ind.
Sweeney Mfg. Co., W. H., 30 Main St., Brooklyn, N. Y.
Sweeney, Tom, Hardware Co., Rapid City, S. D.
Sweet & Doyle F'dry. & Mach. Co., Green Island, N. Y
Sweet & Teller Hdwe. Co., Boise, Idaho.
Sweet Bros., fndrs., Lestershire, N. Y.
Sweet Bros. Paper Mfg. Co., Phoenix, N. Y.
Sweet, C. F., lubrg. oils, 156 Retreat, Hartford, Conn.
Sweet, Chas. A., Provision Co., meat packers, 813 Spruce St., Louis, Mo.
Sweet Co., B. F. & H. L., Fond du Lac, Wis.
Sweet Doyle, Cohoes, N. Y.
Sweet, Lawrence A., Mfg. Co., hood fasteners, 2617 E. 55th, Los Angeles, Calif.
Sweet, Orr & Co., Inc., overalls, 15 Union sq., New York.
Sweet, Thomas J., & Co., canned goods, Albion, N. Y.
Sweets Catalogue, trade publication, 119 W. 40th, New York.

SWEETS STEEL CO., steel rails, etc., Williamsport, Pa.

Sweetland Waste Co., Inc., 134 Tudor St., Boston, Mass.
Sweetser, J. G., cornices & skylights, Portsmouth, N. H.
Sweetsers Drain Tile Co., Sweetsers, Ind.
Swelgard, Jos. L., & Co., machsts., Lincoln bldg., Philadelphia, Pa.
Swelgart, A. R., machsts., Morgantown, Pa.
Swenk Benson Co., Inc., The, 2305 Cherry, Philadelphia, Pa
Swenson, A., cornices, 1021 James av. N., Minneapolis, Minn.
Swenson, B. A., priming cups, 522 Broad, Providence, R. I.
Swenson Const. Co., Shubert Theatre bldg., Kansas City, Mo.

SWENSON EVAPORATOR CO., (Subsidiary of Whiting Corp.), Main Office & Works, 15617 Lathrop Ave., Harvey, Ill. (Chicago Suburb.)

Swenson Grubber Co., Cresco, Ia.
Swenson Granite Co., Jno., Concord, N. H.
Swenson, J., ship builders, Ft. Warren, Jersey City, N. J.
Swetland, W., gas heaters, 445 N. Figueroa, Los Angeles, Calif.
Swett, C. T., Co., ship chandlers & naval stores, Portland, Me.
Swett, Frank W., & Son, band saw blades, 1716 W. Adams, Chicago, Ill.

SWETT IRON WORKS, A. L., 137 Glenwood Ave., Medina, N. Y.
Pres. & Treas.—R. F. Swett
V. P.—C. S. Swett.
Sec. & Pur. Agt.—George E. Shaefer.
Supt.—Albert S. Broughton.

Swift & Co., Union Stock Yards, Chicago.
Swift & Sons, M., 100 Love Lane, Hartford, Conn.
Swift Co., I. E., Houghton, Mich.
Swift, D., & Co., patent attorneys, 303 7th, Washington, D. C.
Swift Flyer Swatter Mfg. Co., 1322 W. 13th, Kansas City, Mo.
Swift, Geo. B., Co., contractors, 189 W. Madison, Chicago.
Swift, James, contractors, 2411 Lodi, Syracuse, N. Y.
Swift, Jr., Inc., George W., (Spec. Mchy.) Bordentown, N. J.
Swift Lubricator Co., Elmira, N. Y.
Swift Lumber Co., Knoxo, Miss.
Swift, M., & Sons, composition leaf, 100 Love lane, Hartford, Conn.
Swift Mfg. Co., Waterloo, Ia.
Swift Paint Co., 10550 Euclid av., Cleveland, Ohio.
Swift Spinning Mills, Columbus, Ga.
Swift, Stanley C., Mfg. Co., stanchion irons, Cuba, N. Y.
Swift Trading Co., 255 California St., San Francisco, Calif.
Swind Machy. Co., dlrs., Widener bldg., Philadelphia, Pa.
Swindell & Bros., Wm., Jenkins Arcade, Pittsburgh, Pa.
Swindell Bros., chemical glassware, Bayard & Russell, Baltimore, Md.
Swineford Co., G. A., 944 Union Ave., S. W., Canton, O.
Swinehart Tire & Rubber Co., North & Howard, Akron, Ohio.
Swing, J. M., & Bro., canned goods, Greensboro, Md.
Swinger, Oliver, brick, Painter Creek, Ohio.
Swingle, J. A., Contrg. Co., contractors, Zanesville, O.
Swingle, J. S., granite, Quincy, Mass.
Swink Printing Press Co., Delphos, O.
Swint Bros. Stone Co., Fremont, Ohio.
Swint, Reineck & Co., whol. hdwe., Fremont, Ohio.
Swinton & Co., Port Jervis, N. Y.
Swisher, L., Lbr. Co., masons' & bldrs.' matls., Decatur, Ill.
Swisher Mfg. Co., B. D., 413 S. Clinton St., Chicago.
Swiss Colors Co., chemicals, 80 5th av., New York.
Switzer, C. M., furnaces, Butler, Ohio.
Swoop, Julian M., New Orleans, La.
Swope, Geo. A., potteries, Lancaster, Pa.
Swope, Hy. R., battery motors, 120 N. 7th, Philadelphia, Pa.
Swope McCracken Co., Inc., The, 304 Elks Temple, Detroit, Mich.
Sword, G. W., & Son, contractors, Lanark, Ill.
Swords Brothers, 625-7th St., Rockford, Ill.
Swoyer Bros. Brick Co., Madison & Allen, Allentown, Pa.
Sybilla Elev. & Mfg. Co., elec. hoists, Chattanooga, Tenn.
Sycamore Preserve Wks., Sycamore, Ill.
Sydnor Pump & Well Co., machinery dealer, 1310 E. Main, Richmond, Va.
Sykes Bros., machsts. & fndrs., Burlington, N. C.
Sykes Co., The, 2300 W. 58th St., Chicago.

SYKES, FRANKLIN V., New York.

Sykes, Geo., Co., Inc., contractor, 70 E. 45th, New York.
Sykes Metal Lath Co., Niles, O.
Sykes Milling Co., flour, Cleveland, Tenn.
Sykes, S., & Son, contractors, 218 Larch, Scranton, Pa.
Sykes, W. F., & Co., aniline colors, etc., 8 Lispenard, New York.
Sylacauga Fertilizer Co., Sylacauga, Ala.
Syliaasen & Sando, contractors, Dowes bldg., Seattle, Wash.
Sylvan Cotton Mills, Shelbyville, Tenn.
Sylvania Stone Co., Sylvania, O.
Sylvester, C. F., & Co., see Fleet, Samuel (successor).
Sylvia Larned Milling Co., flour, Sylvia, Kans.
Symansky Bros., scrap brass & iron, Troy, N. Y.

SYMINGTON COMPANY, THE, Lincoln Park, Rochester, N. Y.
Pres.—C. J. Symington, New York.
V. P.—LeRoy Kramer, Chicago; D. S. Barrows, Rochester; R. H. Gwaltney, New York.
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Baltimore, Md.—Standard Oil Bldg.
I. O. Wright, Sales Engr.
Bruce Jones.
Boston, Mass.—84 State St.
James C. Barr.
Chicago—Straus Bldg.
LeRoy Kramer, V. P.
A. W. Brown, Asst. to V. P.
C. R. Naylor, Sales Agent.
H. K. Smith, Sales Engr.
T. R. Symington.
Montreal, Que.—New Birks Bldg.
Canadian Appliance Co., Ltd.
New York—Woolworth Bldg.
R. H. Gwaltney, N. Y.
J. A. Sauer, Asst. to V. P.
Hynes Sparks, Sales Agent.
A. E. Heffelfinger, Sales Engineer.
St. Paul, Minn.—Merchants Bank Bldg.
San Francisco, Cal.—Hobart Bldg.
St. Louis, Mo.—Railway Exchange Bldg.
Denver, Colo.—1617 Blake St.

Symonds, O. P., & Sons, packing boxes, Reading, Mass.
Symonds Register Co., St. Louis, Mo.
Symons Bros. Co., machsts., Evanston, Ill.
Symons Clamp Co., 2455 Sheffield St., Chicago.
Symons, J. P., Co., machsts. & fndrs., Centralia, Wash.
Synder, C. C., & Co., dock bldrs., Pacific block, Seattle, Wash.
Synder, M. L., & Sons, flour mills, Levels, W. Va.
Synthetic Rubber Products Co., The, Elkhart, Ind.
Synthetic Products Co., acetyl salicylic acid, First Nat'l Bank bldg., San Francisco, Calif.
Syphon Ventilator Co., Little Rock, Ark.
Syracuse Architectural Iron Works, 2611 Lodi St., Syracuse, N. Y.
Syracuse Arm. & Elec. Equip. Co., 329 Oneida St., Syracuse, N. Y.
Syracuse Bridge Co., 663 W. Onondaga St., Syracuse, N. Y.
Syracuse Boiler Wks. Co., Syracuse, N. Y.
Syracuse Chilled Die & Casting Co., Syracuse, N. Y.
Syracuse Chilled Plow Co., agricultural implements, 111 Wyoming, Syracuse, N. Y.
Syracuse Faucet & Valve Co., New York. (See Pierce, Butler & Pierce Mfg. Corp.)
Syracuse Gear Co., 500 E. Water St., Syracuse, N. Y.
Syracuse Heater Co., Syracuse, N. Y.
Syracuse Industrial Gas Co., 208 S. Geddes St., Syracuse, N. Y.
Syracuse Malleable Iron Works, 100 N. Geddes St., Syracuse, N. Y.
Syracuse Ornamental Co., casket trimmings, Syracuse, N. Y.
Syracuse Pharmacal Co., mfg. chemists, Syracuse, N. Y.
Syracuse Pottery, Amboy, Syracuse, N. Y.
Syracuse Radiator Co., auto. garage heaters, Syracuse, N. Y.
Syracuse Rawhide Mfg. Co., Niagara-Shoanard Sts., Syracuse, N. Y.
Syracuse Rendering Co., fertilizer mfrs., Syracuse, N. Y.
Syracuse Safe Co., Syracuse, N. Y.
Syracuse Screen & Grille Co., North Manchester, Ind.
Syracuse Smelting Works, (Now United American Metals Corp.) 196 Diamond St., Brooklyn, N. Y.
Syracuse Stamping Co., Inc., sheet metal stampings & typewriter ribbon spools, 422 S. West, Syracuse, N. Y.
Syracuse Supply Co., 314 W. Fayette St., Syracuse, N. Y.
Syracuse Trunk Works, 444 S. Salina St., Syracuse, N. Y.
Syracuse Twist Drill Co., Syracuse, N. Y.
Syracuse Univ., engng. school & coll., Syracuse, N. Y.
Syracuse Wall Plaster Co., Syracuse, N. Y.
Syracuse Washing Machine Corp., clothes washing machines, Syracuse, N. Y.
Syracuse Wire Works, 101 University Ave., Syracuse, N. Y.
Syracuse Wrench Co., 501 E. Water St., Syracuse, N. Y.
Syska Bros., 46 Bergen St., Brooklyn, N. Y.
System Magazine, trade publication, 5 N. Wabash av., Chicago, Ill.
Syze, J. F., carriage rims, Yorktown Heights, N. Y.
Szel Import & Export Co., spark plugs, 393 Broadway, New York.
Szukalski, Thos., bldg. contr., 1089 Am., Milwaukee, Wis.
T. & B. Brass Foundry, Tacoma, Wash.
T. & H. Radio Co., panels, V T control, Anthony, Kan.
T. & H. Supply Co., advtg. spec., Oneida, N. Y.
T. C. M. Mfg. Co. (Machinery), 1st St., Harrison, N. J.
T. H. & B. Chemical Co., rubber substitutes, 500 1st, So. Boston, Mass.
T. O. Mfg. Corp., paint & varnish, 534 Mateo, Los Angeles, Calif.
Tabell-Watters Co., Inc., The, Springfield, Mass.
Taber & Co., 1 Hudson st., New York.
Taber & Reid, cornices & skylights, Augusta, Me.
Taber-Bigelow Co., Inc., machsts.' tools, 268 Market, San Francisco, Calif.
Taber Lumber Co., Keokuk, Ia.

Taber Pump Co., 291 Elm st., Buffalo, N. Y.
Tabernash Lbr. Co., Tabernash, Colo.
Tablet & Ticket Co., The, 1015-1021 W. Adams St., Chicago.
Tabor Lumber Co., Keokuk, Ia.
Tabor Mfg. Co., molding & machy., 6225 Tacony, Philadelphia, Pa.
Tabor, T. O., & Sons, fertilizer, Elberton, Ga.
Taborga, Rafael, imp. of ores, 233 Broadway, New York.
Tabulating Machine Co., The, 50 Broad St., New York.
Tacks Mfg. Co., paste, Utica, N. Y.
Tacoma & Roche Harbor Line Co., Roche Harbor, Wash.
Tacoma Can Co., 624 E. 26th, Tacoma, Wash.
Tacoma Dredging Co., Tacoma, Wash.
Tacoma Glass Co., plate glass, 707 Commerce, Tacoma, Wash.
Tacoma Grain Co., flour mills, Tacoma, Wash.
Tacoma Pile Driving & Constr. Co., Tacoma, Wash.
Tacoma Planing Mills, Inc., sashes, S. 30th & Sprague, Tacoma, Wash.
Tacoma Ry. & Power Co., machsts. & fndrs., Tacoma, Wash.
Tacoma Sheet Metal Works, cornices & skylights, Tacoma, Wash.
Tacoma Smelting Co., electrolytic copper refiners, Tacoma, Wash.
Tacoma Trading Co., see Barlow, C. S., & Sons, Inc. (successors).
Tacony File & Hardware Co., Inc., 6744 Wissanoming, Philadelphia, Pa.
Tacony Steel Co., 2 Rector St., New York.
Tacony Steel Co., Milnor & Bleigh, Philadelphia, Pa.
Taddey, Adolph G., bldg. contr., 744 46th, Milwaukee, Wis.
Taeker Leather Co., 63 Franklin, Brockton, Mass.
Tafel Elec. Co., 329 W. Main St., Louisville, Ky.
Taflinger, F., contr., Sidell, Ill.
Tafo Mfg. Co., can openers, 1451 Vista, Los Angeles, Calif.
Taft Fish Co., canned, Taft, Va.
Taft, J. H., & Co., imp. quick silver, 100 William, New York.
Taft, J. S., Co., see Hampshire Pottery, Inc. (successors).
Taft, John, lumber, West Dummerston, Vt.
Taft Packing House, Taft, Tex.
Taft-Peirce Mfg. Co., The, 32 Mechanics St., Woonsocket, R. I.
Taft, S. H., lumber, 16 Hulbert blk., Cincinnati, Ohio.
Taggart Bros. Co., Watertown, N. Y.
Taggart's Paper Co., manila paper, Watertown, N. Y.
Tagliabue, G., (Thermometers), 302 Pearl St., New York.
Tagliabue Mfg. Co., C. J., 18-88 Thirty-third St., Brooklyn, N. Y.
Tague, Jas. E., & Co., lbr., 10th & Columbia rd., Philadelphia, Pa.
Tahlequah Mill & Elevator Co., flour, Tahlequah, Okla.
Taigman, M., rheostats, 462 W. Broadway, New York.
Taintor, H. F., Mfg. Co., chalk mfrs. & saw sets, 2 Rector, New York.

TAINTOR TRADING CO., INC., chalks & clays, 21 State, New York.

Taisho Trading Co., Ltd., The, importers' metals & oils, 291 Broadway, New York.
Tait & Nordmeyer Eng. Co., 1717 Cass, St. Louis, Mo.
Tait & Sons Paper Co., 1591 Railroad av., Bridgeport, Conn.
Tait, John H., Co., contractors, Battle Creek, Mich.
Tait Knob & Dial Co., 826 Cauldwell Ave., New York.
Tait Mfg. Co., machsts. & fndrs., Kankakee, Ill.
Taite Ry. Signal Co., Coatesville, Pa.
Takamine Commercial Corp., chemical importers, 120 Broadway, New York.
Takamine Laboratory, Inc., 12 Dutch St., New York.
Talbert-Whitmore Co., damask, Los Angeles, Calif.
Talbot & Hubbard, wholesale hardware, Phoenix, Ariz.
Talbot & Meier, contrs., 250 W. Lafayette, Detroit, Mich.
Talbot, Brooks & Ayer, Portland, Me.
Talbot Bros. Co., lumber, Grosvenor bldg., Providence, R. I.
Talbot, C. R., Co., iron forgings, 2245 Bogen, Cincinnati, Ohio.
Talbot Dyewood & Chemical Co., Lowell, Mass.
Talbot, F. M., Co., contractors, 2 Rector, New York.
Talbot Mfg. Co., insecticides, 461 E. 31st, Los Angeles, Calif.
Talbot Mills, woolen carriage cloth, North Billerica, Mass.
Talbot Packing & Preserving Co., Easton, Md.
Talbott & Son, Thos., 238 W. Water st., Syracuse, N. Y.
Talbott, H. E., Co., contractors, City Nat'l Bank bldg., Dayton, Ohio.
Talbott, M. A., Co., contractors, Rome, N. Y.
Talbott, Wm. R., architect, 1125 Buchanan N. W., Washington, D. C.
Talge Mahogany Co., lumber mfrs., 1101 E. 13th, Indianapolis, Ind.
Talismanic Co., belt dressing, N. Tonawanda, N. Y.
Talking Horn Co., Middletown, N. Y.
Talking Mach. World, trade publication, 383 Madison av., New York.
Tall Timber Lbr. Co., Good Pine, La.
Talladega Fertilizer & Mfg. Co., Talladega, Ala.
Talladega Fdry. & Mach. Co., Talladega, Ala.
Tallahassee Iron Works, Tallahassee, Fla.
Tallahassee Lbr. Co., Tallahassee, Fla.
Tallahatchie Lumber Co., Philipp, Miss.
Tallamy, B. F., & Bro., contractors, Plainfield, N. J.
Tallant-Grant Packing Co., Astoria, Ore.
Tallapoosa Chemical Co., Alexander City, Ala.
Tallapoosa Lumber Co., Tallassee, Ala.
Tallassee Falls Mfg. Co., cordage & twine, Tallassee, Ala.
Tallassee Oil & Gin Co., Tallassee, Ala.
Tallcott, W. O. & M. W., 91 Sabin St., Providence, R. I.
Talley & Co., cutting oils, New Richmond, Ohio.
Talley's, Thos. J., lumber, 15th & Race, Philadelphia, Pa.
Tallmadge Hardware Co., mill & facty. supps., 147 N. High, Columbus, Ohio.
Tallmage, M. F., 80-82 Seneca St., Buffalo, N. Y.
Tallman, Albert V. W., crude rubber broker, 35 Stone, New York.
Tallman, Robbins & Co., 314 West Superior St., Chicago.
Talltimber Mfg. Co., lbr., Talltimber, Texas.
Tally-Meter Co., Norwich, Conn.
Talmage Mfg. Co., The, 1279 W. 3rd St., Cleveland, O.
Tama Brick & Tile Co., Tama, Ia.
Tamaqua Mfg. Co., Tamaqua, Pa.
Tamm & Nolan Co., varnish, 151 Potrero av., San Francisco, Calif.
Tamm Bros. Glue Co., 613 S. Vandeventer St., St. Louis, Mo.
Tamms Silica Company, 30 N. La Salle St., Chicago.
Tampa Dock Co., shipbldrs., Tampa, Fla.
Tampa Hardware Co., Tampa, Fla.
Tampa Machinery Exchange, mill & facty. supp., Tampa, Fla.
Tampa Shipbuilding & Engineering Co., Tampa, Fla.
Tampa Steam Ways, Tampa, Fla.
Tampary, C. P., 221 N. Dearborn, Chicago, Ill.
Tams, Lemoine & Crane, naval architects, 52 Pine, New York.
Tanck, F. M., Mfg. Co., machsts., 370 Atlantic av., Boston, Mass.
Tanger, J. C., Co., wholesale hardware, Hanover, Pa.
Tanis, E., & Son, contractors, Kalamazoo, Mich.
Tanite Co., Stroudsburg, Pa.
Tank Tire & Rubber Co., Dallas, Tex.
Tanner & Co., 409 S Penn St., Indianapolis, Ind.
Tanner Bros., machinists & founders, Jefferson City, Mo.
Tanner Bros. Co., canned goods, Oakfield, N. Y.
Tanner, Charles, & Co., cornices & skylights, Staunton, Va.
Tanner, Chas. S., Co., tapioca flour, 250 S. Water, Providence, R. I.
Tanner, Conrad, & Sons, carriages, St. Joseph, Mo.
Tanner, D. F., Holland, N. Y.
Tanner, Gilman & Ellis, 30 N. La Salle St., Chicago.
Tanner Litchfield & Bundy, lumber, 1619H Chestnut, Philadelphia, Pa.
Tanner Mill Co., flour, Tanner, W. Va.
Tanner Paint & Oil Co., Inc., 1415 E. Main St., Richmond, Va.
Tanner, W. S., Paint Co., 105 S. 12th st., Richmond, Va.
Tanner, Wm. F., & Co., electrical mfrs., 511 S. Sharp, Baltimore, Md.
Tanners Cut Sole Co., 321 Summer, Boston, Mass.
Tanners Extract & Chemical Works, Inc., Mariners Harbor, Staten Island, N. Y.
Tanners' Hide & Tallow Co., fertilizer, Hagerstown, Md.
Tanners Products Co., 130 N. Wells St., Chicago.
Tannewitz Works, 314 N. Front Ave., Grand Rapids, Mich.
Tapager, Christian M., contractor, Albert Lea, Minn.
Tapiex Corp., auto heaters, 104 S. 4th, Brooklyn, N. Y.
Tapley Co., J. F., 531-5 W. 37th St., New York.
Tapley, I. W., packing box, Haverhill, Mass.
Taplin Mfg. Co., hdwe. mfrs., 19 Woodland, New Britain, Conn.
Taplin, Rice, Cierkin Co., 177 S. Broadway, Akron, O.
Tappan Hardware Co., Helena, Ark.
Tappan Stove Co., The, Mansfield, O.
Tappenbeck, W., oils, varnish, etc., 82 Wall, New York.
Tappendorff, Paul L., lbr., Sherwood, Ore.
Tapper, W. R., & Co., coal mines, Fisher bldg., Chicago, Ill.
Tar Heel Mica Co., Plumtree, N. C.
Tar River Lbr. Co., Rocky Mount, N. C.
Tar River Oil Co., Tarboro, N. C.
Tarbell, E. H., Co., elec. fix., 15 Washington, Boston, Mass.
Tarbet, Samuel B., Continental bldg., Kansas City, Mo.
Tarbett, W. A., & Co., machsts. & fndrs., 287 Atlantic av., Boston, Mass.
Tarbox & McCall, stone producers, Findlay, Ohio.
Tarbox, A. & E., common brick, Yorkville, Ill.
Tarbox Broom Corn Co., Arcola, Ill.
Tarbox Lumber Co., Cedarville, Ohio.
Tarbox Mfg. Co., metal polish, New London, Conn.
Tarbox, O. S., granite, Red Beach, Me.
Tarentum Beveling & Mirror Wks., adv. purposes, Tarentum, Pa.
Tarentum Glass Co., Tarentum, Pa.
Tarentum Paper Mills, 2nd Natl. Bank Bldg., Pittsburgh, Pa.
Tariffville Oxygen & Chem. Co., Tariffville, Conn.
Tarlow Bros., leather, 108 South, Boston, Mass.
Tarr & Wonson, Gloucester, Mass.
Tarr Co., Geo. J., Gloucester Mass.
Tarr, Geo. C., tackle blocks, Gloucester, Mass.
Tarr, Jas. H., Co., paint mfrs., Gloucester, Mass.
Tarr's Structural & Marine Paint Co., Rockport, Mass.
Tarrant Co., Inc., The S. C., 62 Ninth Ave., New York.
Tarrant Foundry Co., 373 W. Grand Ave., Chicago.
Tarrant, Robt., machinist & fndr., 323 W. Illinois, Chicago, Ill.
Tartar Chemical Wks., 100 E. 42d, New York.
Tarter, Webster & Johnson, Inc., lbr. & shooks, First National bldg., San Francisco, Calif.
Tartt, J. E., lbr., Meridian, Miss.
Tashenberg Bros., 45 Illinois St., Buffalo, N. Y.
Task Equipment Co., 500 5th av., New York.
Tasker, Geo. F., boot & shoe counters, Haverhill, Mass.
Tassey, Lewis, machinist, Alexandria, N. Y.
Tassini & Tassini, marble, 64 Mangin, New York.
Tate & Fearing, lumber mfrs., Camden, Ark.
Tate & Fisher, machy. dlrs., 258 Washington, Boston, Mass.
Tate, C. L., & Co., canned goods, Arnold, Md.
Tate, E. H., Mop & Cordage Co., mops, dusters, dust cloths, stove pipe wire, etc., 67 Sudbury, Boston, Mass.
Tate Furn. Co., Dept. H, High Point, N. C.
Tate-Ingram Live Stock Commission Co., Oklahoma City, Okla.
Tate, J. H., & Co., flour mills, Monticello, Ky.
Tate-Jones & Co., Inc., (Furnace Engineers) Empire Bldg., Pittsburgh, Pa.
Tate Mfg. Co., cloths, mops, rope, etc., 48 Hanover, Boston, Mass.
Tate, R. L., brooms, corn, Paducah, Ky.
Tate, W. C., & Son, flour, Centralia, Okla.
Tatem & Son, J. B., Putnam, Conn.
Tatem, J. M., Handle Co., Eastford, Conn.
Tatham & Bros., 261 Water St., New York.
Tatlock Bros., soap, Rochester, N. Y.
Tatum Co., Samuel C., 2062 Reading Rd., Cincinnati, O.
Tatum Bros., turpentine, Barberville, Fla.
Tatum, P. O., flour, South River, N. C.
Tatum, W. M., Hardware Co., Corsicana, Tex.
Tauber, Maurice, & Co., furn., 2599 S. Archer av., Chicago, Ill.
Taubman, Charles, machst. & fndr., Lexington, Mo.
Taunton Crucible Works, Taunton, Mass.
Taunton Lumber Co., sash, door & blind, Brockton, Mass.
Taunton-New Bedford Copper Co., 35 Howard St., New York.
Taunton Oil Cloth Co., Taunton, Mass.
Taunton Rivet Works, Taunton, Mass.
Taunton Rubber Co., heels, Taunton, Mass.
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Tausche Hdwe. Co., V. La Crosse, Wis.
Tavares, J. G., & Co., whol. hdwe., 85 2d, San Francisco, Calif.
Taveniere & Johnson, contractors, Closter, N. J.
Tavern Rock Sand Co., 612 N. 2d, St. Louis, Mo.
Taws, Henry M., architect's supplies, 920 Arch, Philadelphia, Pa.
Tay, Geo. H., Co., plumbers' supplies, jobbers, 165 8th, San Francisco, Calif.
Tay-Pike Co., see Pike, Thos. H., Co. (successor).
Tayler & Spotswood Co., whol. hdwe., 19th & Minnesota, San Francisco, Calif.
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Taylor & Boggis Fdry. Co., 1913 W. 3rd St., Cleveland O.
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Taylor & Ginn, contrs., Zanesville, Ohio.
Taylor & Goericke, contractors, Postal Tel. bldg., San Francisco, Calif.
Taylor & Jackson, contrs., Call bldg., San Francisco, Calif.
Taylor & Kemp, flour mills, Prosser, Wash.
Taylor & Linn, contrs., Zanesville, Ohio.
Taylor & Moss, ties, poles & posts, Danville, Ky.
Taylor & Pearson, contractors, 196 Virginia av., Jersey City, N. J.
Taylor & Percival, mill & facty. supplies, Waltham, Mass.
Taylor & Powell Fertilizer Co., Springfield, Tenn.
Taylor, A. D., landscape architect, Prospect & E. 46th, Cleveland, Ohio.
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Taylor, B. E., Mfg. Co., auto. door locks, Monadnock bldg., Chicago, Ill.
Taylor Bedding Mfg. Co., Taylor, Tex.
Taylor Belting Co., 247 S. Meridian St., Indianapolis, Ind.
Taylor Brothers, Richmond, Va.
Taylor Bros., canned goods, La Grange, Ky.
Taylor Bros. Co., The, 706 Superior Ave., Cleveland, O.
Taylor, C. A., Trunk Works, 28 E. Randolph, Chicago.
Taylor, C. F., Co., contrs., Camden, N. J.
Taylor, C. P., patterns & models, Rockford, Ill.
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Taylor Chair Co., The, Bedford, O.
Taylor, Chas., masons' & bldrs.' matls., Funk, Ohio.
Taylor, Chas. F., mill & facty. supplies, 57 Weybosset, Providence, R. I.
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Taylor Co., Ronald, 520 E. 20th St., New York.
Taylor Co., W. P., Ellicott Square, Buffalo, N. Y.
Taylor County Lbr. Co., Springdale, Fla.
Taylor Disc Machine Co., machsts., Mansfield, Ohio.
Taylor Dredging Co., ft. Communipaw av., Jersey City, N. J.
Taylor, E. L., & Co., loggers' tools, 71 1st, Portland, Ore.
Taylor, E. L., & Co., whol. hdwe., 9th & Carey, Richmond, Va.
Taylor, Edwin, Lumber Co., 108 Chrtr. Oak av., Hartford, Conn.
Taylor Electric Truck Co., Troy, N. Y.
Taylor-English Coal Co., Catlin, Ill.
Taylor, F. R., & Co., cornices & skylights, Sterling, Ill.
Taylor Foundry & Engineering Co., Grass Valley, Calif.
Taylor, Frank W., & Son, steam htg. contrs., 259 S. 4th, Philadelphia, Pa.
Taylor Fruit & Canning Co., Lockport, N. Y.
Taylor, Geo., Brass & Bronze Works, 22 Cherry, New York.
Taylor, Geo. T., Marine Ry. Corp., dry docks, Norfolk, Va.
Taylor, H. W., sanitation engr., 154 Nassau, New York.
Taylor, I. R., & Co., contractors, Asbury Park, N. J.
Taylor Instrument Companies, 95 Ames St., Rochester, N. Y.
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Taylor, J. D., Contr. Corp., contrs., 115 S. Salina, Syracuse, N. Y.
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Taylor, J. M., machinists & founders, Andalusia, Ala.
Taylor, J. W., see Barnum, Wm. T. (successor).
Taylor, J. W., canned goods, Hallwood, Va.
Taylor, Jas. A., cornices & skylights, Highstown, N. J.
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Taylor, Jno. R., & Co., mill & facty. supplies, Little Falls, N. Y.
Taylor, Lincoln, mill & facty. supplies, Stamford, Conn.
Taylor-Logan Co., paper & pulp mills, Holyoke, Mass.
Taylor, Lowenstein & Co., turpentine, Mobile, Ala.
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Taylor-Shantz Co., 482 St. Paul St., Rochester, N. Y.
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Taylor Sons Co., Chas., 2062 Reading av., Cincinnati, O.
Taylor, Stiles & Co., Riegelsville, N. J.
Taylor Supply Co., 540 W. Larned St., Detroit, Mich.
Taylor Supply Co., whol. hdwe., 937 Fell, Baltimore, Md.
Taylor System of Color Harmony, New York.
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Taylor Trunk Wks., C. A., 678 N. Halsted St., Chicago.
Taylor, W. B., & Co., fndrs., Palmer, Mass.
Taylor, W. C., 313 S. Fair Oaks av., Pasadena, Calif.

Taylor, W. G., & Son, contractors, Atlantic, N. J.
Taylor, W. P., lumber, Winton, N. C.
Taylor, W. P., sash, door & blind mfr., Manasquan, N. J.
Taylor, W. W., carriages, Lockport, N. Y.
Taylor, W. W., & Sons, mattresses, Big Stone Gap, Va.
Taylor, Walter B., fndr., 73 Moore av., Worcester, Mass.
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Taylor, White Extracting Co., Camden, N. J.
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Te Roller, H., Pioneer Bldg., Seattle, Wash.
Tea & Coffee Trade Journal, 79 Wall, New York.

TEAS ADVERTISING COUNCIL, PAUL, Guardian Bldg., Cleveland, O.

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Teachout Sash, Door & Glass Co., 100 W. Spring, Columbus, O.
Teague Hardware Co., Montgomery, Ala.
Teague, J. C., architect, Daly Bank Bldg., Butte, Mont.
Teahen, Jas. M., water closet tanks, etc., 5155 Cass av., Detroit, Mich.
Teal Co., Frank C., 425 Bates, Detroit, Mich.
Team Mule Co., C. B., Wichita, Kans.
Teasley & Son, fertilizer, Bowman, Ga.
Tebbets, E. L., Spool Co., Locke Mills, Me.
Tebl Yacht Basin Co., ft. 24th, Brooklyn, N. Y.

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TECHNICAL PUBLICITY BUREAU, 337-339 Second Ave., Pittsburgh, Pa.

Teck Mfg. Co., flushing valves, 3801 N. Ashland, Chicago, Ill.
Tecktonius Mfg. Co., E. C., Racine, Wis.
Tecla Elec'l Laboratory, flashers, 150 Cass av., Detroit, Mich.
Tecumseh Coal & Mining Co., Terre Haute, Ind.
Tecumseh Gravel Co., sand & gravel dlrs., Tecumseh, Mich.
Tecumseh Oil & Cotton Co., meal, Sherman, Tex.
Tedeschi & Tedeschi, granite producers, etc., 632 Boulevard, Astoria, New York.
Tedewater Cross Arm & Conduct Co., Tacoma, Wash.
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Teegardin, J. W., & Co., brick & tile, Duvall, Ohio.
Teel, Eldridge & Co., carriages, Medford, Mass.
Teele Soap Co., Cambridge, Mass.
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Teetor Adding Mach. Co., Pacific Finance Bldg., Los Angeles, Calif.
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Teetor-Hartley Motor Corp., Connersville, Ind.
Tegetmeier & Riepe Co., auto. wood bodies, 771 1st av., New York.
Tegge Lumber Co., 700 Park St., Milwaukee, Wis.
Teich Curt & Co., advtg. cards, envelopes, blotters, etc., 1745 Irving Park blvd., Chicago, Ill.
Teichert, A., & Son, contrs., 1846 37th, Sacramento, Calif.
Telautograph Corp., 438-448 W. 37th St., New York.
Tele-Call Company, The, 5604 Cedar Ave., Cleveland, O.
Telechronometer Co. of Am., telephone meters, White Bldg., Seattle, Wash.
Telefo Desk-Pad Co., 219 S. Dearborn St., Chicago.
Telegraph & Telephone Age, trade publication, 253 B'way, New York.

TELENDURON CO., THE, Ambler, Pa.

Telephone Maintenance Co., loud speakers, 20 S. Wells, Chicago, Ill.
Telephone Roller Mill Co., Telephone, N. C.
Telephony Publishing Co., 116 S. Michigan av., Chicago, Ill.
Telescope Cot Bed Co., 874 Broadway, New York.
Telescope Mine Mach. Co., Pittston, Pa.
Tell City Canning Co., Tell City, Ind.
Tell City Desk Co., Tell City, Ind.
Tell City Foundry & Machine Works, Tell City, Ind.
Tell City Planing Mill Co., Tell City, Ind.
Tell City Spoke Co., Tell City, Ind.
Teller, E. J., & Son, machinists, Henderson, Tex.
Teller, B. K., kitchen knives, etc., Unadilla, N. Y.
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Tempest Brick Co., Ltd., The, Park Bldg., Pittsburgh, Pa.
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Temple Art Glass Co., 120 W. Illinois St., Leipsic, O.
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Temple Coal Co., anthracite, Scranton, Pa.
Temple Cotton Oil Mill, Temple, Tex.
Temple Lumber Co., Pineland, Tex.
Temple Malleable Iron & Steel Co., Harrison Bldg., Philadelphia, Pa.
Temple Univ., engng. schools & coll., 18 & Buttonrod, Philadelphia, Pa.
Templeman, J. P., 753 W. Van Buren St., Chicago
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Tennessee Burner Mfg. Co., 36th & Ave "G.," Chattanooga, Tenn.
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Tennessee Oak Flooring Co., Ft. of 5th st., Nashville, Tenn.
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Tennessee Tent & Awning Co., Chattanooga, Tenn.
Tenney & Co., garden cultivators, Decatur, Ill.
Tenney & Co., Charles H., 201 Devonshire St., Boston, Mass.
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Tennison, G. E., patternmakers' fillet, 311 Main, Cincinnati, O.
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Terminal Elec. Co., transformers, 653 11th av., New York.
Terminal Engineering Co., Inc., 17 W. 44th St., New York.
Terminal Machine Co., dealers, 182 Centre, New York.
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Terry Constr. Co., 602 W. 52nd st., New York.

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FLA.—Jacksonville—Western Electric Co., 334 E. Bay St., Jacksonville 149.
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Savannah—Western Electric Co., 111 W. Broad St., Savannah 2330.
ILL.—Chicago—Western Electric Co., 500 S. Clinton St., Wabash 3000 (Low Tension).
IND.—Indianapolis—Western Electric Co., 121 S. Pennsylvania St., Main 2840.
LA.—New Orleans—Western Electric Co., LaFayette & S. Peters Sts., Main 731.
MD.—Baltimore—Western Electric Co., 106 South St., Calvert 5050.
MASS.—Boston—Western Electric Co., 383 Summer St., Congress 2500 (Low Tension).
MICH.—Detroit—Western Electric Co., Kirby Ave. & Dequindre St., Melrose 3321 (Low Tension).
Grand Rapids—Western Electric Co., 39 Ottawa St., Main 5078.
MINN.—Duluth—Western Electric Co., 320 W. 1st St., Melrose 129.
Minneapolis—Western Electric Co., 114 3rd St., N. Main 1193 (Low Tension).
St. Paul—Western Electric Co., 63 E. 6th St., Cedar 1128.
MO.—Kansas City—Western Electric Co., 608 Wyandotte St., Main 4942 (Low Tension).
St. Louis—Western Electric Co., 814 Spruce St., Main 1611 (Low Tension).
NEB.—Omaha—Western Electric Co., 802 Farnam St., Atlantic 5740 (Low Tension).
N. J.—Newark—Western Electric Co., 64 Park Pl., Market 9900.
N. Y.—Brooklyn—Western Electric Co., 505 St. Marks Pl., Prospect 1000.
Buffalo—Western Electric Co., 709 Main St., Tupper 6200 (Low Tension).
New York—Western Electric Co., 463 West St., Cortland 7700.
Syracuse—Western Electric Co., 930 S. Salina St., Warren 4176.
N. C.—Charlotte—Western Electric Co., 328 W. 1st St., Charlotte 1017 (Low Tension).
OHIO—Cincinnati—Western Electric Co., 312 Elm St., Main 600 (Low Tension).
Cleveland—Western Electric Co., 1010 Oregon Ave., N. E., Cherry 603.
Columbus—Western Electric Co., 154 N. 3rd St., Main 7177 (Low Tension).
Youngstown—Western Electric Co., 930 W. Ryan Ave., Main 7460.
OKLA.—Oklahoma City—Western Electric Co., 1 E. 6th St., Walnut 6850.
ORE.—Portland—Western Electric Co., Union Ave. & E. Ash St., Broadway 8121.
PA.—Philadelphia—Western Electric Co., 11th & York Sts., Walnut 5405 (Low Tension).
Pittsburgh—Western Electric Co., P. O. Box 142, Cedar 2300 (Low Tension).
R. I.—Providence—Western Electric Co., 233 Harris Ave., Union 8222.
TENN.—Memphis—Western Electric Co., 163 Jefferson Ave., Main 754.
Nashville—Western Electric Co., 1st & Madison Sts., Nashville M-5086 (Low Tension).
TEX.—Houston—Western Electric Co., Commerce Ave. & Jackson St., Preston 215 (Low Tension).
UTAH—Salt Lake City—Western Electric Co., 41 W. 3rd St., Wasatch 630 (Low Tension).
VA.—Norfolk—Western Electric Co., South Gate Terminal, Norfolk 25365 (Low Tension).
Richmond—Western Electric Co., 6th & Cary Sts., Randolph 1846 (Low Tension).
WASH.—Seattle—Western Electric Co., 84 Marion St., Main 6650.
Spokane—Western Electric Co., 165 S. Howard St., Riverside 2228.
Tacoma—Western Electric Co., 762 Commerce St., Main 3100.
WIS.—Milwaukee—Western Electric Co., 458 Milwaukee St., Broadway 5413.
CAN.—Calgary, Alta., Vancouver, B. C., Winnipeg, Man., Halifax, N. S., Toronto, Ont., Montreal, Que., Regina, Sask.—Northern Electric Co., Ltd.

Thomas, A. C., Guthrie Construction Co., bldg. contr., 545 Endicott Bldg., St. Paul, Minn.
Thomas, A. H., Paint Co., Waverly, N. Y.
Thomas-Albright Co., Goshen, Ind.
Thomas Auto Top Co., Muncie, Ind.
Thomas, B. F., Lumber Co., Carthage, Mo.
Thomas Body Co., canned goods, 900 19th av., Oakland, Calif.
Thomas Bros., maps, 235 Montgomery, San Francisco, Calif.
Thomas Bros., canned goods, Elliston, Va.
Thomas Bros., contrs., Peru, Ind.

THOMAS BROS. & CO., LTD., masons' & bldrs.' matls., 406 Empire, Detroit, Mich.

Thomas, Buckwalter & Co., stove lining mfrs., Royersford, Pa.
Thomas, C. F., & Co., contrs., Louisville, Ky.
Thomas Canning Co., Grand Rapids, Mich.
Thomas Carbon Remover Co., 15 Railroad, Cortland, N.Y.
Thomas, Chas., machinist, Elmira, N. Y.
Thomas, Chauncey, & Co., auto bodies & carriages, Blandford, Boston, Mass.
Thomas Clock Co., Seth, 19 W. 44th St., New York.
Thomas Clock Co., Seth, 215 W. Randolph St., Chicago.
Thomas Co., Arthur H., W. Washington Sq., Philadelphia, Pa.
Thomas Co., Geo. M., 26 Arcade, Cleveland, O.
Thomas Co., The, Gainesville, Fla.
Thomas Coupling Corp., Dunkirk, N. Y.

THOMAS CO., DAVID C., 28 E. Jackson Blvd., Chicago.

Thomas, D. D., & Son, contrs., 463 N. Dunlap, Memphis, Tenn.
Thomas, E. R., Motor Car Co., 1227 Main, Buffalo, N. Y.
Thomas Elevator Co., 32 S. Hoyne Ave., Chicago.
Thomas Engineering Works, Portland, Ore.
Thomas Engineering Co., 209 Key Highway, Baltimore, Md.
Thomas, F. A., Co., watchman's portable clocks, Wells Fargo Bldg., San Francisco, Calif.
Thomas Flexible Coupling Co., Warren, O.
Thomas Furnace Co., 740 Kinnickinnic Ave., Milwaukee, Wis.
Thomas, G. C., & Bros., stone producers, Waterloo, N.Y.
Thomas, G. E., cornices, Duquesne, Pa.
Thomas, G. H. A., Co., lumber, Broad and Poydras, New Orleans, La.
Thomas, G. H., & Co., canned goods, Farmington Falls, Me.
Thomas Grate Bar Co., 10th av., Birmingham, Ala.
Thomas, H., sashes, doors & blinds, Columbia, S. C.
Thomas, H. D., & Son, contractor, New Albany, Ind.
Thomas Hdwe. & Supply Co., Suffolk, Va.
Thomas, I. P., & Son Co., fertilizer mfrs., Drexel Bldg., Philadelphia, Pa.
Thomas Iron Co., Hokendauqua, Pa.
Thomas, J., Lumber Co., masons' & bldrs.' matls., Topeka, Kan.
Thomas, Jas., fertilizer mfr., Williamsport, Pa.
Thomas, Jeffrey P., landscape architect, 615 6th, Watervliet, N. Y.
Thomas-Kinsey Lumber Co., The, Johnstown, Pa.
Thomas Machine & Suply Co., Selma, Ala.
Thomas Mach. Co., Keokuk, Ia.
Thomas Mach. Co., shears, Elmira, N. Y.
Thomas Mfg. Co., talking machines, motors & parts, Dayton, O.
Thomas Mfg. Co., 9 W. Pratt St., Baltimore, Md.
Thomas Mfg. Co., Springfield, O.
Thomas, Martin & Kirkpatrick, architects, Otis Bldg., Philadelphia, Pa.
Thomas Milling Co., flour, Marion, Ind., and Thomas, Okla.
Thomas-Morse Aircraft Co., aeronautical motors, Ithaca, N. Y.
Thomas-Ogilvie Hardware Co., Shreveport, La.
Thomas, Oscar G., Co., machsts. & fndrs., Taunton, Mass.
Thomas Paint Co., A. H., Waverly, N. Y.
Thomas-Peter Co., Canton, O.
Thomas Pump Works, 154 Spring St., New York.
Thomas, R. L., & Co., Inc., plbrs.' & steamfitters' supplies, Charlottesville, Va.
Thomas, R. N., Co., pegs, husking, Shenandoah, Iowa.
Thomas Rod Co., fishing rods, Bangor, Me.
Thomas, S. C., canned goods, Weems, Va.
Thomas, Seth, Clock Co., candlesticks, clocks & metronomes, Thomaston, Conn.
Thomas Slate Co., Slatedale, Pa.
Thomas-Smith Co., The, Canton, O.
Thomas' Sons, Phillip, Utica, N. Y.
Thomas Spacing Machine Co., Butler Plank Rd., Pittsburgh, Pa.
Thomas Stationery Mfg. Co., Springfield, O.
Thomas Steel Co. See Brier Hill Steel Co., Youngstown, Ohio.
Thomas Steel Reinforcement Co., concrete reinforcing materials, Majestic Bldg., Detroit, Mich.
Themas, T., & Co., door & house locks & knobs, 144 Mulberry, Newark, N. J.
Thomas, T. R., box mfrs., Dept. H, Bristol, Vt.
Thomas, W. W., & Co., kainit, 17 Battery pl., New York.
Thomas, W. & W. E., flour, Milford, N. J.
Thomason, Wm. E., & Co., yacht sails, spray hoods, etc., 42 South, New York.
Thomasson & Rechburg, contrs., 402 S. Tryson, Charlotte, N. C.
Thomaston Cotton Mills, Thomaston, Ga.
Thomaston Knife Co., pocket knives, Thomaston, Conn.
Thomaston Mfg. Co., screw machine products, Thomaston, Conn.
Thomasville Fertilizer Co., Thomasville, Ga.
Thomasville Iron Works, Inc., posts, Thomasville, Ga.
Thomasville Spoke Works Co., Thomasville, N. C.
Thomasville Stone & Lime Co., Thomasville, Pa.
Thomasville Veneer & Panel Co., Thomasville, N. C.
Thomberg Electric Works, radio dials, etc., 158 1st, San Francisco, Calif.
Thompson & Alexander, contrs., White Plains, N. Y.
Thompson & Binger, contrs. & engnrs., 103 Parker av., New York.
Thompson & Castleton, Inc., machinery dlrs., Central Bldg., Seattle, Wash.
Thompson & Company, 857 W. North Ave., Pittsburgh, Pa.
Thompson & Co., Albert N., Bank of Commerce Bldg., Memphis, Tenn.
Thompson & Co., Inc., Lewis (Lumber), 1227 Germantown, Bldg., Philadelphia, Pa.
Thompson & Co., H. D., Malone, N. Y.
Thompson & Co., Jas., 112 Prince St., New York.
Thompson & Co., Richard, 187 Greenwich St., New York.
Thompson & Co., W. G. (Lumber), Springdale, Ark.
Thompson & Co., oil well supplies, Mount Jewett, Pa.
Thompson & de Fenelon, Central Bank Bldg., Memphis, Tenn.
Thompson & Fleith Lbr. Co., Wausau, Wis.
Thompson & Ford Lbr. Co., Grayburg, Texas.
Thompson & Francis Stove Co., Gallipolis, O.
Thompson & Hoague Co., mill & fcty. supplies, whol. hdwe., Concord, N. H.
Thompson & Jameson, Inc., 360 W. Superior St., Chicago.
Thompson & Libby, heaters, Lynn, Mass.
Thompson & McAtee, carriages, Maysville, Ky.
Thompson & Matthews Co., contractors, Red Bank, N. J.
Thompson & Mosley, contrs., Healy Bldg., Atlanta, Ga.
Thompson & Norris Co., Allston, Boston, Mass.
Thompson & Norris Co., The, Concord and Prince Sts., Brooklyn, N. Y.
Thompson & Son Co., H. G., 494 State St., New Haven, Conn.
Thompson & Starrett Co., 49 Wall St., New York.
Thompson & Wills, brick mfrs., Royersford, Pa.
Thompson, A. J., Stone Co., Ellettsville, Ind.
Thompson, Albert T., & Co., arc lamps, reflectorscopes, etc., 15 Tremont pl., Boston, Mass.
Thompson, Alfred H., boilers & heaters, 1000 N. Broadway, Los Angeles, Cal.
Thompson Balance Co., 808 20th St., Denver, Colo.
Thompson-Bonney Co., 45 York St., Brooklyn, N. Y.
Thompson Bottle Co., Gas City, Ind.
Thompson Broom Corn Co., Hugh, 920 W. 8th St., Kansas City, Mo
Thompson Bros., canned goods, Cabool, Mo., and East Haddam, Conn.
Thompson Bros., steam htg. contrs., 520 Buttonrod av., Philadelphia, Pa.
Thompson Bros., machsts., 625 Brannan, San Francisco, Calif.
Thompson Bros. Co., cornices & skylights, Muscatine, Ia.
Thompson Bros., contrs., Atlantic City, N. J.
Thompson Bros. Lbr. Co., Trinity, Tex.
Thompson, C. C., Pottery Co., East Liverpool, Ohio.
Thompson Co., J., Van Horn and Sofia Sts., Philadelphia, Pa.
Thompson Co., traps (fly), Red Oak, Ia.
Thompson Co., J. Walter (Advg. Agency), 410 N. Michigan Ave., Chicago.
Thompson Co., Lewis C., Pottsville, Pa.
Thompson Co., R. H., 184 Washington St., Buffalo, N. Y.
Thompson-Durkee Co., 32 High St., Boston, Mass.
Thompson Electric Co., The, 5604 Euclid, Cleveland, O.
Thompson, E. J., Co., auto metal bodies, Forbes and Field, Pittsburgh, Pa.
Thompson, E. M., granite, Fitzwilliam Depot, N. H.
Thompson, E. R., Machine Works, N. 336 Post, Spokane, Wash.
Thompson, F. A., & Co., fumigators, 1962 Trombley, Detroit, Mich.
Thompson, Ferd, & Co., shoe blacking, Rockland, Mass.
Thompson, Fdk. W., Co., sash, door & blind mfrs., Norwalk, Conn.

Thompson, G. A., & Sons, packing box mfrs., Hurlock, Md.
Thompson, Geo., mason, Hartford, Conn.
Thompson, Geo. I., & Co., contractors, Clearfield, Pa.

THOMPSON GRINDER CO., THE, 1534 West Main St., Springfield, O.
Pres.—E. S. Houck.
Sec.—H. J. Warrick.
Treas. & Gen. Mgr.—C. Baldenhofer.

Thompson, H. C., Clock Co., machsts., Bristol, Conn.
Thompson Hardware Co., Lowell, Mass.
Thompson Hardware Co., W. A. L., 511 Kansas St., Topeka, Kans.
Thompson Hardware Co., Providence, R. I.
Thompson, Hervey, machsts., 233 Broadway, New York.
Thompson, Hubman & Fisher, lumber mfrs., North Tonawanda, N. Y.
Thompson Iron Works, 1825 Callowhill St., Philadelphia, Pa.
Thompson, J. A., sashes, doors & blinds, Taylor, Texas.
Thompson, J. D., & Co., cornices & skylights, 2611 Pennsylvania av., Washington, D. C.
Thompson, J. L., lumber, Lyons, Ga.
Thompson, J. W., Boatmen's Bank Bldg., St. Louis, Mo.
Thompson, Jas. A., cloth boards, boxes, Lowell, Mass.
Thompson, John L., Son & Co., plate glass, Troy, N. Y.
Thompson, Jos., & Son, stone, Englewood, N. J.
Thompson-Katz Lumber Co., Florida Ave., Memphis, Tenn.
Thompson, L. A., Scenic Railway Co., 220 W. 42d, New York.
Thompson, L. C., whol. hdwe., Pottsville, Pa.
Thompson, Leon C., brooms, Concord, N. H.

THOMPSON-LEVERING CO., 57th St. & Westminster Ave., Philadelphia, Pa.

Thompson Mfg. Co., 2468 E. 8th St., Los Angeles, Cal.
Thompson Mfg. Co., Des Moines, Iowa.
Thompson Mfg. Co., plumbers' wood work, Holland, Mich.
Thompson Mfg. Co., Lancaster, N. H.
Thompson Mfg. Co., A. F., Huntington, W. Va.
Thompson-Miller Hardware Co., Charleston, S. C.
Thompson Milling Co., flour, cereal foods, Lockport, N. Y.
Thompson, Munro, Robbins Chemical Co., 2932 Fairmount Ave., Kansas City, Mo.
Thompson's Nephew & Co., Sam., 142 Duane St., New York.
Thompson, O. E., & Sons, agricultural implements & masons' & bldrs.' matls., 400 River, Ypsilanti, Mich.
Thompson Oil & Supply Co., Oshkosh, Wis.
Thompson Plow & Engine Wks., agrl. implements, Beloit, Wis.
Thompson Pottery Co., C. C., E. Liverpool, O.
Thompson, R. M., flour mills, Bethpage, Tenn.
Thompson, R. R., bronze powder, 347 5th av., New York.
Thompson, T. C., & Bros., contractors, 609 N. Smith, Charlotte, N. C.
Thompson, T. H., veneer, Milan, Ind.
Thompson, T., Mfg. Co., lightning rods, Brighton, Ia.
Thompson, T. W., flour mills, Knoblick, Ky.
Thompson, Thos. C., enamels, Wilmette, Ill.
Thompson Time Stamp Co., 106 Fulton, New York.
Thompson Type Machine, 233 W. Erie, Chicago, Ill.
Thompson, W. W., contrs., Box 428, Redwood City, Calif.
Thompson, Wade & Co., lumber mfrs., Scottsville, Ky.
Thompson, Walter I., & Son Co., contractors, 6110 Euclid av., Cleveland, Ohio.
Thompson, Warner R., sand & gravel producers, Kerr Bldg., Detroit, Mich.
Thompson-Wells Lbr. Co., Menominee, Mich.
Thompson, Weinman & Co., barytes, Cartersville, Ga.
Thompson, Wm. E., & Son, contractors, Anderson, Ind.
Thompson's, C. M., Sons, machsts., Lexington, N. C.
Thompson's Carbolic Soap Co., sheep dips, 46 Eagle, Brooklyn, N. Y.
Thomsen Planing Mill Co., 1700 Vandeventer St., St. Louis, Mo.
Thomson & Co., L., Albany, N. Y.
Thomson & Co., W. H., Penfield Bldg., Philadelphia, Pa.
Thomson, Alex., boilermakers' tools, 866 Main, Fitchburg, Mass.
Thomson Bridge Co., 103 Main, San Francisco, Calif.
Thomson Chemical Co., Race & Winder, Baltiomre, Md.
Thomson-Diggs Co., whol. hdwe., Sacramento, Calif.
Thomson Drop Forge Co., Plantsville, Conn.
Thomson Electric Welding Co., Lynn, Mass.
Thomson, G., & Son Co., contractors, 30 N. La Salle, Chicago.
Thomson, J. & A., heating contractors, 1232 W. 11th, Cleveland, Ohio.
Thomson, J. B., 345 Wyoming av., Scranton, Pa.
Thomson, Jos., Press Co., Nott av., Long Island City, N. Y.
Thomson Machine Co., Belleville, N. J.
Thomson Mfg. Co., Judson L., Waltham, Mass.
Thomson Meter Co., 100-10 Bridge St., Brooklyn, N. Y.
Thomson-National Press Co., Inc., Nott & East Aves., Long Island City, N. Y.
Thomson-Reiber Implement Co., whol. hdwe., Crowley, La.
Thomson, S. H., Mfg. Co., hdwe. mfrs., Dayton, Ohio.
Thomson Spot Welder Co., Knowlton & Lungland, Cincinnati, Ohio.
Thomson Spot Welder Company, Lynn, Mass.
Thomson, Theo. S., Thompsontown, Pa.
Thomson, Volney, carriages, Center Montville, Me.
Thomson Wood Finishing Co., The, 829-35 N. Third St., Philadelphia, Pa.
Thoner & Martens, machsts., 463 Commercial, Boston, Mass.
Thonet Bros., revolving chairs, 393 Madison av., New York.
Thordarson Elec. Mfg. Co., 500 W. Huron St., Chicago.
Thoresen, Wm., 1916 W. North Ave., Chicago.
Thorn Cement Co., Prudential Bldg., Buffalo, N. Y.
Thorn Co., J. S., 30th and Allegheny Ave., Philadelphia, Pa.
Thornburgh Mfg. Co., Bowling Green, O.

THORNBURGH MFG. CO., W. N., 50th Ave. at 32d Pl. and 33d St., Chicago, Ill.
Pres. & Treas.—W. N. Thornburgh.
V. P. & Sec.—J. J. Meydrech.
Ass't Sec.—E. Bechtel.
New York—22 Thames St., Peter P. Beck.
Richmond, Va.—Mutual Bldg., Cecil W. Stevens.
St. Louis, Mo.—Syndicate Trust Bldg., E. Strassburger.
San Francisco, Cal.—Monadnock Bldg., F. F. Bodtker.
Washington, D. C.—Munsey Bldg., Geo. McP. Minetree.
Montreal, Quebec, Can.—Transportation Bldg., F. W. Cooper.

Thorburn & Co., J. M., (Seeds), 46 W. Broadway, New York.
Thorburn, Thos., bldg. contr., Duluth, Minn.
Thorndike & Hix, canned goods, Rockland, Me.
Thorndike Co., cotton duck, etc., Thorndike, Mass.
Thorne & McMann, leather, 22 Rickard, San Francisco, Calif.
Thorne Hold-Fast Metal Bar Co., Troy, N. Y.
Thornhill Wagon Co., Lynchburg, Va.
Thornley Supply Co., The, 14 Thornly Ave., Pawtucket, R. I.
Thornton & Ginder, contrs., Arcola, Ill.
Thornton Bros. & Co., canned goods, Springboro, Pa.
Thornton-Cleaney Lumber Co., 2251-2315 Elston Ave., Chicago.
Thornton Fire Brick Co., Clarksburg, W. Va.
Thornton, John, Jr., harness awls, needles, 85 Leonard, New York.
Thornton Lumber Co., E. A., 11 S. La Salle St., Chicago.
Thoroughgood & Co., lumber, Janesville, Wis.
Thorp, A., & Son, Crate Co., Roseville, Ohio.
Thorp, Alfred H., Esq., archt., Seabright, N. J.

THORP FIRE PROOF DOOR CO., 1600-1616 Central av., Minneapolis, Minn.

Thorp, W. B., & Co., Masons' matls., Dept. H, Water & Ann, Wilmington, N. C.
Thorpe, J. F., & Son, contrs., 525 Market, San Francisco, Calif.
Thorsen & Co., P. S., 81 Coffey St., Brooklyn, N. Y.
Thow, D. John, leather, 11 Ferry, New York.
Thrasher, R. H., canned goods, Springwood, Pa.
Thread Tight Co., pipe joint cements, compounds & paste, 288 Bowery, New York.
Threadcraft, E. C., mattresses, Norfolk, Va.
Threaded Products Co., couplings, nozzles, valves, etc., 8th & Carlton, Berkeley, Calif.
Threading Machine Co., pipe threading machines, Sandusky, Ohio.
Three C. Lumber Co., Grant's Pass, Ore.
Three-In-One Oil Co., 165 Broadway, New York.
Three-In-One Spark Plug Mfg. Co., Rushville, Ind.
Three Lakes Lumber Co., Three Lakes, Wash.
Three Leaf Cot Mfg. Co., Sunnyvale, Calif.
Three Rivers Brass Wks., Three Rivers, Mich.
Three Rivers Iron & Metal Co., scrap iron & steel, Three Rivers, Mich.
Three Rivers Packing Co., meat packers, Three Rivers, Mich.
Three Rivers Paper Co., Phoenix, N. Y.
Three Rivers Railway Supply Co., machsts. & fndrs., Three Rivers, Mich.
Threefoot Bros. & Co., fertilizer & harness mfrs., Meridian, Miss.
Threlkeld, M. C., contr., 65 Market, San Francisco, Calif.
Thresher Varnish Co., 200 Keowee St., Dayton, O.
Threshers' & Millers' Supply Co., fcty. supplies, 359H E. Main, Decatur, Ill.
Throm, Chas. F., trough mfr., Toledo, Ohio.
Throop College of Technology, engng. schools & coll., Pasadena, Calif.
Throop, Geo. L., 223 W. Holly, Pasadena, Calif.
Throop-Martin Co., sash, door & blind mfrs., 139 E. Chestnut, Columbus, Ohio.
Thrope, F. M., Mfg. Co., bag holders, broom holders, horse muzzles, etc., Lamar, Mo.
Thropp & Sons Co., Wm. R. (Rubber Mill Mach'y), E. State St., Trenton, N. J.
Thropp, Joseph E., Everett, Pa.
Thropp Sons Co., John E. (Mechan. Stokers & Rubber Mill Machy.), Lewis St., Trenton, N. J.
Thrower, D. E., lumber, Ridgeville, S. C.
Thrush, E. H., lumber, Camas Valley, Ore.
Thrush, Herbert, carriages, Shippensburg, Pa.
Thuener, Chas., Planing Mill Co., sash, door & blind mfrs., Prairie & Lucky, St. Louis, Mo.
Thum, Chas. D., 150 N. 3rd St., Philadelphia, Pa.
Thum Co., The O. & W., 314 Straight St., S. W., Grand Rapids, Mich.
Thumb, E. W., carriage top dressing, floor oils, etc., 872 Orleans, Chicago, Ill.
Thurber Brick Co., Thurber, Tex.
Thurman Mfg. Co., knitted gloves, bathing suits, sweaters, etc., 427 Ashmead, Philadelphia, Pa., & Madera, Calif.
Thurman Vacuum Cleaner Co. (Now General Compressed Air & Vacuum Machy. Co.), St. Louis, Mo.
Thurmond Bros., flour, Forsyth, Ga.
Thurnauer, G. M., Co., gas burner tips, carpet & egg beaters, brushes, etc., 6 E. 20th, New York.
Thurston & Braidich, tragacanth imports, 27 Cliff, New York.
Thurston & Co., contractors, 57 Post, San Francisco, Calif.
Thurston & Hale, cornices & skylights, Rockport, Mass.
Thurston & Haskell, contractors, Elmira, N. Y.
Thurston, A. G., & Son, machsts., 360 Bay, Fall River, Mass.
Thurston Bros., coffins, etc., So. Union, Me.
Thurston, H. T., Co., machsts., Boothbay Harbor, Me.
Thurston Manual Training Supply Co., cabinet hdwe., Anoka, Minn.
Thurston Mfg. Co., 697 Cranston St., Providence, R. I.
Thurston, R. W. & W. H., dowels & lbr., Bethel, Me.
Thurston, W. P., Co., bldg. contrs., Va. Ry. & P. Bldg., Richmond, Va.
Thurtell, B. W., steam traps, 22 Quincy, Chicago, Ill.
Thurwachter, L. L., & Sons, clothes baskets, 215 W. Fayette, New York.
Thwing Instrument Co., 3339-41 Lancaster Ave., Philadelphia, Pa.
Thye, M. P., & Co., elec. contrs., 225 E. 2d, Los Angeles, Calif.
Thyle Machinery Co., 129 Fremont, San Francisco, Calif.
Thym Cut Stone Co., Brannon av. & Odell, St. Louis, Mo.
Tibbets Pacific Co., contractors, 16 California, San Francisco, Calif.
Tibbetts, H. R., Paint Co., 1620 E. 14th, Los Angeles, Calif.
Tibbetts-Westerfield Paint Co., 2435 E. 26th, Los Angeles, Calif.
Tiberi, John, contr., 6245 S. Parkside av., Chicago, Ill.

TICE-TINSLEY STEEL CO., Terminal Bldg., Youngstown, O.

Tickell, Jos., & Son, findrs., Vicksburg, Miss.
Ticket Office Equipment Co., Grand Central Terminal, New York.
Tickle, Arth., machst. & fndr., 21 Delevan, Brooklyn, N. Y.
Tickle Engineering Works, Arthur, 26 Delevan St., Brooklyn, N. Y.
Ticko, Eugene, Marsh-Strong Bldg., Los Angeles, Calif.
Ticonderoga Machine Works, Ticonderoga, N. Y.
Ticonderoga Pulp & Paper Co., Ticonderoga, N. Y.
Tideman Electric Mfg. Co., Cairo, Ill.
Tide Water Bldg. Co., 16 E. 33rd St., New York.
Tide Water Iron Works, 491 8th St., Hoboken, N. J.
Tide Water Mill Co., lbr., Eatonville, Wash.
Tide Water Oil Co., 511 W. 55th St., New York.
Tide Water Sup. Co., 427 Water st., Norfolk, Va.
Tidewater Chemical Co., Inc., colors, 342 Madison av., New York.
Tidewater Coal & Coke Co., Vivian, W. Va.
Tidewater Crossarm & Conduit Co., 1885 Canal, Tacoma, Wash.
Tidewater Hardwood Corp., lbr., Hot Springs, Va.
Tidewater Mill Co., lbr., Florence, Ore.
Tidewater Paper Mills Co., 32 33d, Brooklyn, N. Y.
Tidewater Portland Cement Co., Calvert Bldg., Baltimore, Md.
Tidewater Supply Co., mill & fcty. supps., Newport News, Va.
Tidey, F. W., saw benches or tables, Irvington, N. J
Tidey, M. B., 80 Warren St., Newark, N. J.
Tidioute Refining Co., Tidioute, Pa.
Tie Co., tying devices, hooks, knives, etc., Unadilla, N. Y.
Tiebout, C. H., & Sons, hardware mfrs., 31 Grand, Brooklyn, N. Y.
Tiebout, W. & J., 118 Chambers St., New York.
Tiedeken, Theo. C., & Bro., carriages, Camden, N. J.
Tiedemann, Chas., Milling Co., flour, O'Fallon, Ill.
Tiemann, Geo., & Co., surgical instruments, 107 E. 28th st., New York.
Tiernan, Luke, cornices, 1136 Chestnut, St. Louis, Mo.
Tierney Bros., scrap iron & steel, Streator, Ill.
Tierney, D. J., mill & fcty. supps., 1717 W. Lake, Chicago, Ill.
Tierney, James E., mill & fcty. supps., 131 Washington, Providence, R. I.
Tierney, P. J., Sons, lunch wagons, New Rochelle, N. Y.
Tietjen & Lang Dry Dock Co., 17th St., Hoboken, N. J.
Tiffany & Co., machinists, 5th av. & 37th, New York.
Tiffany & Pickett Co., lumber, Winsted, Conn.

TIFFANY-BAYLESS CO., Cleveland, O.

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Tiffany Enameled Brick Co., 133 W. Washington Blvd., Chicago.
Tiffany Machine Shop, Poughkeepsie, N. Y.
Tiffany Mfg. Co., battery cut-outs, connecting rods, spark plug wrenches, 50H Spring, Newark, N. J.
Tiffany Motor Co., West New York, N. J.
Tiffany Never Wind Clock Corp., 2964 Main St., Buffalo, N. Y.
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Tiffany's Carriage Works, San Diego, Calif.
Tiffin Art Metal Co., Tiffin, O.
Tiffin Mfg. Co., church furniture, Tiffin, Ohio.
Tiffin Wagon Co., Tiffin, O.
Tifft Constr. Co., Iroquois Bldg., Buffalo, N. Y.
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Tifton Guano Co., Tifton, Ga.
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Tiger Vehicle Co., carriages, Freeport, Ill.
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Tigue, Wm. J., West Chester, Pa.
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Tilton Mills, belting mfrs.—solid cotton, Tilton, N. H.
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Torrey, J. A., soap, Rockland, Mass.
Torrey, J. R., Razor Co., 804 Pk. Bldg., Worcester, Mass.
Torrey Roller Bushing Works, 136 Front St., Bath, Me.
Torrid Heater Co., heating boilers, Hackettstown, N. J.

TORRINGTON CO., Excelsior Plant, Torrington, Conn.
Distributing Agents:
Boston, Mass.—210 South St., Sewing Machine Supplies Co.
Chicago, Ill.—19 W. Jackson Blvd., Foley-Williams Mfg. Co.
New York, N. Y.—140 W. 22nd, C. B. Barker & Co., Ltd.
Philadelphia, Pa.—1328 Cherry, Manufacturers' Supplies Co.
San Francisco, Cal.—682 Mission, C. Shawl.
Foreign:
Buenos Aires, Rep. Arg., S. A.—Los Fabricantes Unidos, 964 Calle Belgrano.
Coventry, Eng.—Coventry Swaging Co., Ltd., White Friars Lane.
City of Mexico, Mexico—J. C. Bush, Ave. San Francisco No. 29.
London, Eng.—American Supplies Co., 6 City Road.
Paris, France—Soc. Anme. des Etabs.-Fenwick Freres & Co., 8 Rue de Rocroy.
Tokyo, Japan—Andrews & George Co., 16 Takega Wacho, Kiobashiku.

Torsch Packing Co., canned goods, Fort av., Clement & Lawrence, Baltimore, Md.
Torsion Balance Co., 92 Reade St., New York.
Toscani, J. L., Co., marble, floor & glass mosaics, etc., 930 E. 178th, New York.
Totem Lumber Co., 515 White Bldg., Seattle, Wash.
Tothill, W. S., 1815 Webster Ave., Chicago.
Tottenville Copper Co., Tottenville, N. Y.
Tottle & Co., Wm. A. (Brushes), 122 Hanover St., Baltimore, Md.
Totty Trunk & Bag Co., trunk mfrs., Petersburg, Va.
Toulouse & Delorieux, see Cal. Press Mfg. Co. (successor).
Touroff & Karp, contractors, 33 Sunswick, Long Island City, N. Y.
Towsey Varnish Co., 520 W. 25th St., Chicago.
Towar Consolidated Mills Co., belting, cotton, duck & tire fabric, Niles, Mich.
Towbin, Louis, mattresses, 296 Putnam av., Brooklyn, N. Y.
Tower-Binfold Electric & Mfg. Co., 5 Governor St., Richmond, Va.
Tower Bros., machsts. & fndrs., Hudson, Mass.
Tower Co., A. J., Vernon and Simmons Sts., Boston.
Tower Grove Foundry Co., Inc., 4433 Hunt Ave., St. Louis, Mo.
Tower Grove Quarry & Const. Co., contrs., 5927 Fyler av., St. Louis, Mo.
Tower, H. R., Holyoke, Mass.
Tower Hill Connellsville Coke Co., Uniontown, Pa.
Tower, J. D., & Sons Co., agr'l implts., Mendota, Ill.
Tower, Jas. H., Iron Works, 50 Borden, Providence, R. I.
Tower Mfg. & Novelty Co., 326 Broadway, New York.
Tower Mfg. Co., galvanizing works, Madison, Ind.
Tower Mfg. Co., radio head sets, Brookline, Mass.
Tower Mfg. Co., (Tacks, Nails, etc.), Elm & Commerce, Cincinnati, O.
Tower Motor Truck Co., Greenville, Mich.
Tower, R. J., Iron Works, machsts. & fndrs., Greenville, Mich.
Tower Sylvester Co., ivory goods, Cambridge, Mass.
Tower Varnish & Dryer Co., 1310 E. 1st St., Dayton, O.
Towers & Sullivan Mfg. Co., Rome, Ga.
Towers, L. B., & Bros., canned goods, Denton, Md.
Towes-Gibson Packing Co., canned goods, Crisfield, Md.
Towle Mfg. Co., table silverware, Newburyport, Mass.
Towmotor Company, The, 1226 E. 152nd St., Cleveland, O.
Towner & Co., mill & facty. supplies, 79 S. 2nd, Memphis, Tenn.
Towner Hardware Co., Muskegan, Mich.
Towner, Jay F., & Sons, canned goods, Perryman, Md.
Townley Metal & Hdw. Co., 200 Walnut St., Kansas City, Mo.
Townsend & Bro., Chas., 276 Pearl St., New York.
Townsend, A. W., cornices & skylights, 20 S. 2d av., Minneapolis, Minn.
Townsend Buggy Co., harness, 209 W. 5th, Winston-Salem, N. C.

TOWNSEND COMPANY, 1238 Fallston Ave., New Brighton, Pa.
Pres. & Mgr.—R. T. Townsend.
V. P.—J. M. Townsend.
Sec. & Treas.—V. L. Bradford.
Asst. Gen. Mgr.—H. C. Weidner.
Branch Offices and Distributors:
(* Indicates Agents for all Townsend Company products except Cold Finished Steel and Screw Stock).
CAL.—Los Angeles—*Milton Pray Co., 428 Bradbury Bldg., Main 5836.
San Francisco—*Milton Pray Co., 844 Monadnock Bldg., Garfield 453.
ILL.—Chicago—Townsend Company, 360 N. Michigan Ave., Central 0729.
IND.—Indianapolis—Townsend Company, 108 N. Pennsylvania Ave., Lincoln 1211.
MASS.—Boston—Phil A. Rand, 115 Broad St., Congress 2628.
MICH.—Detroit—Townsend Company, 3-150 General Motors Bldg., Empire 8408.
MINN.—St. Paul—*Pfaff & Bathke, 910 Pioneer Bldg., Garfield 4012.
MO.—Kansas City—E. R. Hensel Steel & Copper Co., 621 Reliance Bldg., Victor 3831.
St. Louis—E. R. Hensel Steel & Copper Co., 1042 Planters Bldg., Olive 7995.
N. Y.—Buffalo—R. C. Neal Co., 76 Pearl St., Seneca 2104.
New York—Hendricks & Class, 411 Hudson Terminal Bldg., Cortlandt 3017.
Rochester—R. C. Neal Co., 46 Andrews St., Main 5248-9.
Syracuse—R. C. Neal Co., 107 Gifford St., Warren 3508.
O.—Cincinnati—Burrell-Barkley Co., 830 Main St., Canal 3736.
Toledo—*Dean Higgens & Co., 906 Ohio Bldg., Main 3847.
PA.—Philadelphia—Townsend Company, Juniper & Chestnut Sts., Rittenhouse 2474.
TENN.—Chattanooga—*Egbert Hancock Co., 722 James Bldg., Main 1332.
WASH.—Seattle—*Milton Pray Co., 1626 L. C. Smith Bldg., Elliott 3462.

TOWNSEND FOUNDRY & MACHINE SHOP CO., chemical castings, etc., Broadway & Rensselaer, Albany, N. Y.
Townsend, Fred J., machst., Painted Post, N. Y.
Townsend Furnace & Machine Shop Co., Lower Broadway, Albany, N. Y.
Townsend, G. G., rivets, Winchendon, Mass.
Townsend, H. C., Cotton Mills, cotton twine, Anderson, S. C.
Townsend, J. E. (Est. of) blankets (woolen), Milton Mills, N. H.
Townsend, J. G., & Co., Jr., canned goods, Selbyville, Del.
Townsend, J. W., turpentine, Lake Butler, Fla.
Townsend, Jas., & Son, canned goods, Masten, Del.
Townsend Mfg. Co., farm tractors, Jamesville, Wis.
Townsend Mfg. Co., H. P., Hartford, Conn.
Townsend, S. P., & Co., machsts., Orange, N. J.
Townsend, Townsend & Co., marble, steel chilled shot, 453 W. 21st, New York.
Townsend, W. C., & Co., granite producers, Zanesville, Ohio.
Townsend's Jno., Sons, mill & facty. supplies, Rome, N. Y.
Towsley Mfg. Co., John T., 1037 Evans, Cincinnati, O.
Toy Cannon Works, toys, games, etc., Bethlehem, Pa.
Toy Company of America, Appleton, Wis.
Toy Craft Co., wood toys, Wooster, Ohio.
Toy Tinkers, Evanston, Ill.
Toys & Novelties, trade publications, 215 S. Market, Chicago, Ill.
Tozer Engine Works, Columbia, S. C.
TRABER A. P., bolting cloth, 71-73 Murray, New York.
Trachsel, John C. F., steam htg. contr., 316 Cherry, Philadelphia, Pa.
Trachte Bros. Co., tanks, cornices, heaters, Madison, Wis.
Track Equipment Co., Huntington, W. Va.

TRACK SPECIALTIES CO., 29 Broadway, New York.
Pres.—W. B. Lee.
V. P.—J. A. Bodkin.
Chicago—Manhattan Bldg., Walter R. Pflasterer.
Montreal, Que., Can.—234 Beaver Hall Hill, R. T. Gilman.
New Orleans, La.—822 Perdido St., J. W. Wood.
Pittsburgh, Pa.—Oliver Bldg., J. S. Morrison.
St. Louis, Mo.—18 S. Broadway, W. B. Mallette.
St. Paul, Minn.—H. C. McNair Company.
Salt Lake City, Utah—1006 Newhouse Bldg., R. J. Glendinning.
San Francisco, Cal.—Monadnock Bldg., Chas. H. Small.

Trackless Trolley Co. of America, 501 Fifth Ave., New York.
Traction Materials Co., 501 5th Ave., New York.
Tractor Equipment Co., industrial locomotives & wheels, 930 1st, Seattle, Wash.
Tractor, J. T., Co., farm tractors, Fairfield av. & W. 14th, Cleveland, Ohio.
Tractor Train Co., see Rocky Mountain Steel Products, Inc. (successor).
Tracy & Metcalf, contractors, Augusta, Me.
Tracy Bros., mill & facty. supps., 22 Howard, New York.
Tracy, C. Oscar, 70 White's Court, Norwich, Conn.
Tracy Co., Bertrand P., (Coal Mine Repairs & Supplies) Fulton, Page & Hopkins Sts., Pittsburgh, Pa.
Tracy Co., Lewis E., 127 Broad St., Boston, Mass.
Tracy Engineering Co., boiler mounting & feed water purifiers, 485 6th, San Francisco, Calif.
Tracy, Inc., Frank, 303 Centre St., New York.
Tracy, Jos., dynamometers, 1755 B'way, New York.
Tracy, M. M., ties, poles, Stacyville, Me.
Tracy, Robinson & Williams Co., mill & facty. supplies, whol. hdwe., 78 Asylum, Hartford, Conn.
Trade Circular Addressing Co., 106 W. Adams St., Chicago.
Trade Mark Record, trade publication, 31 Nassau, New York.
Trader, E. N., cornices, McKeesport, Pa.
Traffic Motor Truck Corp., 5200 N. 2nd St., St. Louis, Mo.
Traffic Sign & Signal Co., Gloucester, Mass.
Traffic World, 418 S. Market, Chicago, Ill.
Trafton Co., F. M., 176 Federal, Boston, Mass.
Trafton, G. A., & Son, flour, Watsonville, Calif.
Trager, Chas., advtg. aprons, leather gloves & rubber molds, 2203 1st av., Seattle, Wash.
Trager, Frank A., cornices & skylights, Sterling, Ill.

TRAGESER STEAM COPPER WKS., JOHN, 445-459 W. 26th St., New York.

Tragle Cordage Co., 5th and Court Sts., Reading, Pa.
Tragle Mfg. Co., hardware (whol.), Reading, Pa.
Trahern Pump Div. of Geo. D. Roper Corporation, Rockford, Ill.
Trailmobile Co., The, 31st St. & Robertson Ave., Cincinnati, Ohio.
Trailmobile Co., The, 2921 Robertson Ave., Cincinnati, O.
Train Control Appliance Co., 209 Caples Bldg., El Paso, Tex.
Trainer Bros. Lumber Co., Loomis S. of 22d, Chicago, Ill.
Trainer, C. W., Mfg. Co., packing, roofing, etc., 55 High, Boston, Mass.
Trainer, Walter L., Co., varnish mfrs., 3328 Germantown, Philadelphia, Pa.
Trainor's, O. J., Son, sashes, doors & blinds, New Iberia, La.
Traister, Chas. A., willow ware mfrs., Liverpool, N. Y.
Traister, Wm., Basket Co., Liverpool, N. Y.
Traitel Marble Co., Webster av. & E. R., Long Island City, N. Y.
Trammel Co., carriage wheels, Gallatin, Tenn.
Tramp Bros., brick, Creston, Ia.
Tranchell & Parelius, contrs., Worcester Bldg., Portland, Ore.
Trane Company, The, La Crosse, Wis.
Trans Continental Freight Co., 203 S. Dearborn St., Chicago.
Transcontinental Oil Co., Bendin Tr. Bldg., Pittsburgh, Pa.
Transfer Lbr. & Shingle Co., North Tonawanda, N. Y.
Transit Constr. Co., Mt. Vernon, N. Y.
Translucent Window Sign Co., transfer ornaments, 17 W. 20th st., New York.
Transmarine Corp., Port Newark, N. J.
Transmission Ball Bearing Co., The, 1051 Military Road, Buffalo, N. Y.
Transmission Machinery Co., 1146 Tchoupitoulas, New Orleans, La.
Transo Co., advtg. spec., Rockford, Ohio.
Transo Envelope Co., 3512-42 Kimball Ave., Chicago
Transogram Co., Inc., toys, 148 39th, Brooklyn, N. Y.
Transparo Cloth Corp., mothproof bags, 226 W. 47th st., New York.
Transport Tractor Co., Long Island City, N. Y.
Transport Truck Co., Mt. Pleasant, Mich.

TRANSPORTATION DEVICES CORPORATION, Aetna Trust Bldg., Indianapolis, Ind.
Gen. Mgr.—E. S. Pearce.
Branch Offices:
ILL.—Chicago—W. C. Miner, 332 S. Michigan Ave.
CAN.—Montreal—Hugh Millar.

Transportation Engineering & Sales Co., Mutual Bldg., Kansas City, Mo.
Transportation Engineering Corp., 200 Fifth Ave., New York.
Transue & Williams Steel Forging Corp., Alliance, O.
Trant & Bro., Thomas, (Plumbing Supplies), 40 Front Ave., Hartford, Conn.
Trant, John C., plate glass, 40 Franklin av., Hartford, Conn.
Trant, John H., Jr., lbr. mfrs., Brunswick, Ga., & Norfolk, Va.
Tranter Mfg. Co., 105 Water St., Pittsburgh, Pa.
Trantuim, C. A., lbr., Garland, N. C.
Traphagen & Hull Mfg. Co., sash, door & blind mfrs., Kingston, N. Y.
Trapp & Kuehnle, machsts., 245 Pearl, New York.
Trapp-Gohr-Donovan Co. (Grain Dumps), 1125-29 N. 22nd St., Omaha, Neb.
Trapp, Nicholas H., & Son, contractors, 17 Thames, New York.
Trappe Canning Co., Aberdeen, Md.
Trash, Geo. H., mill supplies, 39 National, San Francisco, Calif.
Trask, J. A., & Son, contractors, Peabody, Mass.
Traub, W. F., Range Co., machsts., 231 W. Superior, Chicago, Ill.
Traud, Alex., & Sons, embossing machines, presses, 124 Polk, Newark, N. J.
Traud, Alex., Co., machsts. & fndrs., 5 Main, Newark, N. J.
Trauger, B. M., & Son, contrs., Scranton, Pa.
Traun Rubber Co., 239 4th av., New York.
Traut & Hine Mfg. Co., 910 Stanley St., New Britain, Conn.
Traut, Thos. & Bro., plumbers' supps., jobbers, Hartford, Conn.
Trauten, John J., htg. contrs., Aurora, Ill.
Trautwine Company, 257 S. Fourth St., Philadelphia, Pa.
Travelers Ins. Co., 57 Prospect, Hartford, Conn.
Travelight Mfg. Co., bags & suit cases, 410 N. 3rd, Phila., Pa.
Traver, W. M., Co., canned goods, Hartford, Mich.
Travers, G. W., & Co., toys, games & nov., 146 Chambers, New York.
Travers, J. R., canned goods, Nanticoke, Md.
Travers Mfg. Co., children's carriages, E. Templeton, Mass.
Travers Twine & Cordage Co., New York.
Traverse City Casket Co., Traverse City, Mich.
Traverse City Iron Works, Traverse City, Mich.
Traverse City Motor Co., Traverse City, Mich.
Traverse City Refrigerator Co., Traverse City, Mich.
Traves, Chas. E., machinist, Fresno, Calif.
Travilla, M., machst., Quincy, Ill.
Travis & Oczko, mchsts. & fndrs., Johnstown, N. Y.
Travis-Carter Co., Seymour, Ind.
Travis, D. W., Sons, fndrs., Athens, N. Y.
Travis, G. E., shaking & dumping grates, Henry, Ill.
Travis Glass Co., bottle, Clarksburg, W. Va.
Travis Stone Co., Hale Eddy, N. Y.
Travora Mfg. Co., cotton flannels, Graham, N. C.
Traylor-Dewey Contracting Co., Allentown, Pa.
Traylor Engineering & Mfg. Co., Allentown, Pa.
Traylor Shipbldg. Corp., Cornwells Heights, Pa.
Treadway & Sons Hardware Co., A., Dubuque, Ia.
Treadway Electric Co., 607 Main St., Little Rock, Ark.
Treadwell Co., M. H., 140 Cedar St., New York.
Treadwell Construction Co., Midland, Pa.

TREADWELL ENGINEERING CO., Easton, Pa.
Branch Offices:
Chicago—208 S. LaSalle St.
New York—140 Cedar St.
Philadelphia—1011 Chestnut St.
Pittsburgh—601 Farmers' Bank Bldg.

Treadwell, M. H., Co., of Ill., rolling mill machy., blast furnace & steel works, 208 S. La Salle, Chicago, Ill.
Treas Lumber Co., Benton, Ky.
Treasure Stove Co., Gallipolis, O.
Treat Hdwe. Co., Lawrence, Mass.
Treaty Co., cesspools, coal hole covers, cistern tops, sink brackets, feed cookers, plbrs. supps., etc., Greenville, Ohio.
Trebing Mfg. Co., sash, door & blind, 1000 Center, N. W., Cleveland, Ohio.
Trebor Mfg. Co., 546 Broadway, New York.
Tredegar Company, The, Richmond, Va.
Tredennick Co., contrs., 10 High, Boston, Mass.
Tredick Oil & Grease Co., Inc., 3047 Ambler, Philadelphia, Pa.
Tredway, A., & Sons, Hardware Co., Dubuque, Ia.
Treece & Co., W. F., Findley, O.
Treen Box Co., packing, Tioga & Memphis, Philadelphia, Pa.
Trefethen, D. A., castings, Taunton, Mass.
Trefethen, F. L., mill & factory supplies, Lynn, Mass.
Tregarthen, Jas., & Sons, Co., dry docks, ft. 7th, E. R., New York.
Trego Radio Mfg. Co., 1427-45 Chestnut St., Kansas City, Mo.
Treinis Bros., sporting goods, mfrs., 32 33rd, Bklyn., N. Y.
Tremain, E. E., carriages, Stockton, Calif.
Treman-King & Co., Ithaca, N. Y.
Tremont & Suffolk Mills, Lowell, Mass.
Tremont Lumber Co., Rochelle, La.
Tremont Nail Co., West Wareham, Mass.
Tremper-Shields Co., special machy., 141H Brewery, New Haven, Conn.
Trenam Tractor Co., Stevens Point, Wis.
Trench, C. S., & Co., bar tin, spelter, 11 Cliff, New York.
Trenk Wire Works, bank & office railings, Dubuque, Ia.
Trenkamp Stove & Mfg. Co., 9806 Quincy av., Cleveland, Ohio.
Trenle Porcelain Co., East Liverpool, O.
Trent Bros., lbr. mfrs. & masons' & bldrs.' matls., Danville, Ill.
Trent Rubber Co., tires, Trenton, N. J.
Trent Tile Co., Klagg Ave., Trenton, N. J.
Trenton Bone Fertilizer Co., Trenton, N. J.
Trenton Brass & Machine Co., Prospect & Dale Sts., Trenton, N. J.
Trenton Electric & Conduit Co., Tyler & Canal Sts., Trenton, N. J.
Trenton Engineering Co., machinists, Trenton, N. J.
Trenton Fertilizer Co., Trenton, S. C.
Trenton Fire Clay & Porcelain Co., Hancock St., Trenton, N. J.
Trenton Flint and Spear Co., 203 E. State St., Trenton, N. J.
Trenton Gas & Elec. Fixture Mfg. Co., Trenton, N. J.
Trenton Hardware Co., 35 E. State St., Trenton, N. J.
Trenton Lumber Co., Millsaps Bldg., Jackson, Mich.
Trenton Malleable Iron Co., Trenton, N. J.
Trenton Milling Co., flour, Trenton, Ill.
Trenton Pattern Works, Trenton, N. J.
Trenton Plumbing & Heating Co., contrs., 366H So. Broad, Trenton, N. J.
Trenton Porcelain Co., 10 Prince St., Trenton, N. J.
Trenton Potteries Co., N. Clinton & Otter Sts., Trenton, N. J.
Trenton Scrap Rubber Supply Co., 10 E. Hanover St., Trenton, N. J.
Trenton Smelting & Refining Co., Trenton, N. J.
Trenton Spring Mattress Co., Parker & Olden Ave., Trenton, N. J.
Trenton Steel & Wire Co., 509 Ingham St., Trenton, N. J.
Trescott Co., Inc., Fairport, N. Y.
Tressel, Jas. G., contr. & stone, Ada, Ohio.
Tressing, E., & Co., hardware mfrs., 166 W. Lake, Chicago, Ill.
Trethaway Bros., Parsons, Pa.
Tretheway, W. O., machst. & fndr., New Harmony, Ind.
Treuchet, F. E., cornices, 33 Sanford, Springfield, Mass.
Treuter Specialty Co., Trenton, N. J.
Trevey Bros., canned goods, Nace, Va.
Trevor Mfg. Co., Lockport, N. Y.
Trevorton Colliery Co., Citizens Bldg., Cleveland, O.
Trewhitt & Shields Co., contrs., Fresno, Calif.
Treworgy, Chas. J., lumber, Ellsworth Falls, Me.
Trexler Cooperage Co., A. N. B. Bldg., Allentown, Pa.
Trexler Lumber Co., 1602 Gordon, Allentown, Pa.
Trexler-Turrell Lumber Co., Noxen, Pa.
Treyz, G. H., & Co., wood alcohol, Binghamton, N. Y.
Treyz, G. I., wood alcohol, Cooks Falls, N. Y.
Triad Co., commutator compounds, Allenhurst, N. J.
Triangle Conduit Co., Inc., 122 39th St., Brooklyn, N. Y.
Triangle Construction Co., Realty Bldg., Spokane, Wash.
Triangle Electric Co., 160 W. Lake St., Chicago.
Triangle Electro Trading Co., toys, 632 B'way, New York.
Triangle Iron Works, 435 Austin pl, New York.
Triangle Mfg. Co., Oshkosh, Wis.
Triangle Motor Truck Co., St. Johns, Mich.
Triangle Pennant Co., 110 S. Wabash, Chicago, Ill.
Triangle Sporting Goods Co., 239 Walnut, Cincinnati, Ohio.
Triangle Water Heater Co., Monrovia, Calif.
Tribble Cordage Mills, Inc., clothes lines, 59 Temple pl., Boston, Mass.
Trice & Raymond Hardware Co., Tupelo, Miss
Trice, W. T., & Bros., flour mills, Casscoe, Ark.
Tri-City Electric Co., Davenport, Ia.
Tri-City Electric Co., 1529 3rd Ave., Moline, Ill.
Tri-City Electric Co., 218 E. 10th St., Sioux Falls, S. D.
Trico Chemical Co., Inc., laundry chemicals, Iroquois Bldg., Buffalo, N. Y.
Trico Fuse Mfg. Co., 1009 Cold Spring Ave., Milwaukee, Wis.
Trico Products Co., auto accessories, 624 Ellicott, Buffalo, N. Y.
Triebel & Sons, stone products, Peoria, Ill.
Trieber, Benj., Co., auto lenses, 4627 B'way, Chicago, Ill.
Trieschmann, Luther H., razor strops, 65 Bissell, Hartford, Conn.
Trill Indicator Co., Corry, Pa.
Trilling, H., & Co., flaxseed, 1825 S. Canal, Chicago, Ill.
Trimbach, Geo., wholesale hardware, Dayton, Ohio.
Trimble & Lutz Supply Co., 112 19th St., Wheeling, W. Va.
Trimble & Sons Co., W. F., 1719 Penna. Ave., Pittsburgh, Pa.
Trimble Brick Co., Trimble, Ga.
Trimble, E. M., Mfg. Co., cribs, 466 Central av., Rochester, N. Y.
Trimble, F. H., Co., display racks & stands, 216 W. 3rd, Los Angeles, Calif.
Trimble, H. N., scrap iron & steel, Oliver bldg., Pittsburgh, Pa.
Trimble Paving Brick Co., Trimble, O.
Trimbur & Highley, Imperial Power Bldg., Pittsburgh, Pa.
Trimont Leather Co., Peabody, Mass.
Trimont Mfg. Co., Roxbury (Boston), Mass.
Tri-Mount Overall Co., 217 Friend, Boston, Mass.
Trimount Rotary Power Co., 290 Whiting Ave., E. Deham, Mass.
Trinchera Timber Co., mine ties, Chamber of Commerce Bldg., Denver, Colo.
Trindl Co., piston pins, rings, etc., Wabash av. at 29th, Chicago, Ill.
Triner Scale & Mfg. Co., 2714 W. 21st St., Chicago.
Trini, A., & Co., machsts., 557 W. Adams, Chicago, Ill.
Trinidad Asphalt Mfg. Co., Title Guar. Bldg., St. Louis, Mo.
Trinidad Fndry. & Mach. Co., Trinidad, Colo.
Trinidad Hdwe. Co., whol., Trinidad, Colo.
Trinity Cotton Oil Co., Dallas, Tex.
Trinity County Lumber Co., Groveton, Tex.
Trinity Portland Cement Co., Dallas, Tex.
Trinity River Lumber Co., 1605 Carter Bldg., Houston, Tex.
Trinkkeller, E., machinist, Los Angeles, Calif.
Trinley, J., & Sons, fertilizer mfrs., Linfield, Pa.

TRIO LUMBER COMPANY, 58 Buchanan St., St. Louis, Mo.
Pres. & Treas.—H. R. Meyer.
V. P. & Sec.—Wm. Domermuth.

Trio Mfg. Co., cotton twine, Forsyth, Ga.
Trio Mfg. Co., elec. protectors, Rock Island, Ill.
Trion Co., cotton sheeting, Trion, Ga.
Triple Action Spring Co., 2810 S. Michigan Ave., Chicago.
Triple Metals Corp., The, Terminal Bldg., Waukegan, Ill.
Triple S. Mach. Co., loose leaf devices, 1013 Wellington, Chicago, Ill.
Triplex Metal Hose & Tubing Co., Raymond St., Brooklyn, N. Y.
Triplex Safety Razor Co., Erwin, Tenn.
Tripod Paint Co., Atlanta, Ga.
Tripoli Canning Co., Tripoli, Ia.
Tripp & Co., Inc., 33 N. Wells St., Chicago.
Tripp, A. F., landscape architect, 227 Benefit, Providence, R. I.
Tripp, Frank S., machists. & fndrs., 235 N. Water, New Bedford, Mass.
Tripp, Fred. H., Hdwe. Co., North Vernon, Ind.
Tripp, John, & Co., roll covers, Lowell, Mass.
Tripper, Allen G., contractors, Peru, Ind.
Tri-State Casket Co., Kendallville, Ind.
Tri-State College, engng. schools & coll., Angola, Ind.
Tri-State Iron Works, 655 N. Main St., Memphis, Tenn.
Tri-State Lumber Co., Rand. Bldg., Memphis, Tenn.
Tri-State Milling Co., Bellefourche, S. D.
Tri-State Plumbing Supply Co., 75 S. 17th, Pittsburgh, Pa.
Tri-States Electric Co., Sioux Falls, S. Dak.
Tristram, Jas. J., riddles, Rockville Centre, N. Y.
Tritch, Geo., Hardware Co., Bank Bldg., Denver, Colo.
Tri-Tex Knitting Mills, bathing suits, sweaters, etc., 121 S. Market, Chicago, Ill.
Tritt China Co., Niles, Ohio.

TRIUMPH ELECTRIC CO., THE, 2500 South St., Cincinnati, O.
Pres. & Gen. Mgr.—J. C. Hobart.
V. P. & Sec.—G. P. Hunt.
Birmingham, Ala.—Brown Marx Bldg., J. T. Sudduth.
Boston, Mass.—704 Old South Bldg., W. H. Jacob.
Charlotte, N. C.—500 S. Brevard St., J. McL. Jones.
Chattanooga, Tenn.—116 E. 8th St., W. C. Teas Co.
Chicago—706 Isabella Bldg., W. R. Bonham.
Cleveland, O.—724 Rockefeller Bldg., Edw. S. Ford.
Columbus, O.—17 E. Rich St., Reeves Machinery Co.
Dallas, Tex.—1107 Patterson Ave., Gus Sachs.
Dayton, O.—134 Willowwood Drive, F. D. McKinney.
Detroit, Mich.—5924 2nd Blvd., American Equipment Co., K. P. Royce.
Fort Smith, Ark.—E. C. Lichty.
Huntington, W. Va.—Power Electric Co.
Los Angeles, Cal.—O. E. Thomas Co.
Louisville, Ky.—213 Realty Bldg., Jordan Engineering Co.
Minneapolis, Minn.—Consolidated Electric Co.
Montreal, Can.—95 McGill St., Rudel Belnap Machinery Co.
New Orleans, La.—Box 345, Walter A. Taylor.
New York—R. 1311, 25 Church St., Geo. F. Adams.
Norton, Va.—McKelvy Machinery & Supply Co.
Oklahoma City, Okla.—801 S. Broadway, R. T. Lyons.
Omaha, Nebr.—1712 Dodge St., Industrial Sales & Engineering Co., O. F. Barklage.
Ottawa, Can.—37 Banque National Bldg., Marchand Electrical Co.
Philadelphia, Pa.—709 Arch St., Arthur H. Allen.
Pittsburgh, Pa.—712 Ferguson Bldg., D. D. Gill.
Roanoke, Va.—11 Salem Ave., Noland Co.
Rochester, N. Y.—203 State St., Louis Larsen.
St. Louis, Mo.—1948 Railway Exchange Bldg., A. J. Stumberg.
San Francisco, Cal.—75 Fremont St., Electrical Specialty Co., A. E. Buttner.
Seattle, Wash.—Seattle Blvd., L. Hebert.
Williamsport, Pa.—Prior & Sallada Co.
Winnipeg, Can.—236 Currie Bldg., Frank H. Girdlestone.

TRIUMPH ICE MACHINE CO., THE, 2500 South St., Cincinnati, O.

Triumph Mfg. Co., machsts., 500 Delaware, Kansas City, Mo.
Triumph Mfg. Co., 3400 Spring Grove Ave., Cincinnati, O.
Triumph Trap Co., Inc., animal traps, Oneida, N. Y.
Triumph Valve Mfg. Co., Mansfield, O.
Troemner, Henry, 911 Arch St., Philadelphia, Pa.
Troike Muffler & Mfg. Co., Loraine, O.
Trojan Accessories Co., The, Troy, N. Y.
Trojan Button Fasteners Co., Troy, N. Y.
Trojan Electric Steel Co., 34th & Hoyne av., Chicago, Ill.
Trojan Powder Co., Jordan Station, Allentown, Pa.
Trojan Unit Tractor Co., Waterloo, Ia.
Trolinger & Montgomery, brick, Haw River, N. C.
Trolle, John Alfred, & Co., contrs., Dept. H. Stamford, Conn.
Trolley Supply Co., The, Massillon, O.
Trombley, Jos., & Son, contractors, North Andover, Mass.
Trompeter, Jos., contractors, Peru, Ill.
Troop Mfg. Co., water heaters, 218 21st av., Pittsburgh, Pa.
Tropenas Converter Co. (Steel Converters & Foundry Equipment), 2243 Nostrand Ave., Brooklyn, N. Y.
Tropical Paint & Oil Co., The, 1246 W. 70th St., Cleveland, O.
Tropico Potteries Co., Glendale, Calif.
Trosco Mfg. Co., brad-sets, Hippodrome, Cleveland, Ohio.
Trostel, A., & Sons Co., mill & fcty. supplies, 612 Commerce, Milwaukee, Wis.
Trostel, Geo. H., lime, York Springs, Pa.
Trotman Machine Wire Co., Inc., Holyoke, Mass.
Trotman Mfg. Co., fertilizer mfrs., Churchland, Va.
Trott, J. A., & Sons, brick, Eldon, Iowa.
Trotter & Co., E. T., 538 Johnson Ave., Brooklyn, N. Y.
Trotter & Co., Nathan, 36 N. Front St., Philadelphia, Pa.
Trotter Lumber Co., Toledo, Ohio.
Troup Hardware & Implement Co., Troup, Tex.

TROUT COMPANY, H. G., 250 Ohio St., Buffalo, N. Y.

Trout Creek Lumber Co. of La., Trout, La.
Trout Creek Mfg. Co., lbr., Trout Creek, Mich.
Trout Direct Filing System, Inc., 825 Chestnut St., Philadelphia, Pa.
Trouton, B. C., Co., 404 Decatur, Atlanta, Ga.
Troutt, John, & Co., stone producers, 11th & Newby., Chattanooga, Tenn.
Troutwine, George F., & Sons Co., leather, Gloversville, N. Y.
Trow & Holden Co., Barre, Vt.
Trowbridge & Livingston, architects, 527 5th av., New York.
Trower Lumber Co., Lumbermens' Bldg., San Francisco, Calif.
Troxel Mfg. Co., bicycle parts & sundries, Elyria, O.
Troy Auto Spec. Co., horns, gas igniters, etc., Troy, N. Y.
Troy Belting & Supply Co., Troy, N. Y.
Troy Blanket Mills, Troy, N. H.
Troy Brick Co., Northern Tpk., Troy, N. Y.
Troy Bros. & Co., plumbers' marble wk., 975 Mass. av., Rox., Boston, Mass.
Troy Bros., 975 Mass Ave., Boston, Mass.
Troy Bros., 49 E. South St., Indianapolis, Ind.
Troy Carriage Sun Shade Co., mechanics' aprons, Troy, Ohio.
Troy Cold Water Kalsomine Co., Troy, N. Y.
Troy Electrical Co., 193 River St., Troy, N. Y.
Troy Engine & Machine Co., Troy, Pa.
Troy File Works, Troy, N. Y.
Troy Fireproofing Co., Troy, N. Y.
Troy Foundry & Machine Co., Inc., Troy, N. Y.
Troy Laundry Machinery Co., 824 S. Michigan Blvd., Chicago.
Troy Laundry Machy. Co., Troy, N. Y.
Troy Malleable Iron Co., above 25th St., Watervliet, N. Y.
Troy Malleable Iron Works, Troy, N. Y
Troy Mfg. Co., auto metal bodies, Troy, Ohio.
Troy Milling Co., flour, Troy, N. C.
Troy Nickel Works, Albany, N. Y.
Troy Public Works Co., contrs., Utica City Nat. Bk. Bldg., Utica, N. Y.
Troy Roller Mills, flour, Troy, Tenn.
Troy Rubber Stamp Wks., Troy, N. Y.
Troy Scrap Iron & Metal Co., Troy, N. Y.
Troy Spring Works, Troy, N. Y.
Troy Stamping Works, metal stamping, Troy, N. Y.
Troy Sunshade Co., Troy, O.
Troy Trailer & Wagon Co., The, Troy, O.
Troy Veneer & Crate Co., Troy, Ala.
Troy Wagon Works Co., 100 E. Race, Troy, Ohio.
Troy Waste Mfg. Co., Troy, N. Y.
Troy Wire Goods Co., Troy, N. Y.
Troy Woven Wire Spring Co., mattresses, Troy, N. Y.
Tru Lite Mfg. Co., catches, knobs, push plates, etc., Dept. H, Bradford, Pa.
Truax Mfg. Co., 1120 Wazee St., Denver, Colo.
Truck Engineering Co., 3533 Cedar St., Cleveland, O.
Truckee Lumber Co., National Bank Bldg., San Francisco, Calif.
Trudden, M., stone producers, wkrs. & dlrs., 107 Van Sindren av., Brooklyn, N. Y.
Trudel, Geo. E., Co., plumbers' supplies, 341 Elm, Manchester, N. H.
True & Blanchard Co., whol. hdwe., Newport, Vt.
True, L. P., & Co., canned goods, Hope, Me.
True Mfg. Co., hay racks, Eaton Rapids, Mich.
True, Samuel, ship knees, Amesbury, Mass.
True-Tagg Paint Co., 3rd & Auction Sts., Memphis, Tenn.
Truesdell Marble & Granite Co., stone producers, Port Huron, Mich.
Truitt & Lingo, veneer mfrs., Dagsboro, Del.
Truitt, Wm. P., & Son, lbr., East Enterprise, Ind.
Trullinger, D. L., lumber, Mullino, Ore.
Trulock & Crookham, sash door & blind mfrs., Sioux City, Ia.
Trum, E. J., Inc., paper boxes & cartons, 57 3rd, Brooklyn, N. Y.
Trumble, Edwin, lbr., Kingville, S. C.
Trumble Gas Trap Co., gas separators & supplies, Higgins Bldg., Los Angeles, Calif.
Trumbo-Schupp & Schmidt, 420 W. Market St., Louisville, Ky.
Trumbull Cliffs Furnace Co., Warren, O.
Trumbull Electric Mfg. Co., Plainville, Conn.
Trumbull, F. S., sheet metal stamping & special tool mfrs., 319 Mill Hill av., Bridgeport, Conn.
Trumbull Mfg. Co., Warren, O.
Trumbull Motor Car Co., 2200 Diamond, Philadelphia, Pa.
Trumbull Safe & Vault Co., 77 W. Lake St., Chicago.
Trumbull Steel Co., Warren, O.
Trumbull Stone & Sand Co., Warren, Ohio.
Trumbull-Vanderpoel Elec. Mfg. Co., Bantam, Conn.
Trumbull Waste Mfg. Co., 107 Leverington St., Philadelphia, Pa.
Trump Bros. Machine Co., Wilmington, Del.
Trump, F. & E. D., brass fndrs., Jersey Shore, Pa.
Trump Mfg. Co., piston rings, Crown Point, Ind.
Trump Mfg. Co., Springfield, O.

TRUMP, W. H., 607 Earle Bldg., Philadelphia, Pa.

Trumpbour-Whitehead Brass & Copper Co., see Whitehead Metal Products Co., of N. Y., Inc. (successors).
Trunck, F. G. (Est. of), brick, Freeport, Ill.
Truscon Laboratories, The, Caniff & G. T. R. R., Detroit, Mich.
Truscon Steel Co., Youngstown, O.
Truscott, Pierce Engine Co., machsts. & fndrs., St. Joseph, Mich.
Truslow & Fulle, cork mfrs., 42 Wilson, Brooklyn, N. Y.
Trussell Mfg. Co., Poughkeepsie, N. Y.
Truswell, W., & Sons, elec. contrs. & engrs., 16 Cedar, New York.
Tryon Co., Edw. K., 817 Arch, Philadelphia, Pa.
Try-Me Mfg. Co., ball cocks, brass castings, etc., bushings, regulators, etc., Westfield, Mass.

Tryan, Andrew H., bldg. contr., Hartford, Conn.
Tryon, Edw. K., & Co., 817 Arch. Phila., Pa.
Tschudy Hardwood Lbr. Co., J. H., 23rd & Penn. Kansas City, Mo.
Tschirgi, M., & Sons, contractors, Cedar Rapids, Ia.
Tsungani Piston Co., 625 E. 11th, Tacoma, Wash.
T-Square & Triangle Co., Newark, N. J.
Tubal Can Iron Works, see John Robertson & Co., Prop., Brooklyn, N. Y.
Tubb, J. R., see Sparta Spoke Factory (successors).
Tubbe Cordage Co., 200 Bush, San Francisco, Calif.
Tubbs, W. F., ski mfr., Norway, Me.
Tubby, Josiah Thomas, Jr., archt., 143 Liberty, New York.
Tubesing, Wm. F., & Co., bldg. contrs., 139 Chestnut, Milwaukee, Wis.
Tubular Htg. & Ventilating Co., 232 Quarry St., Philadelphia, Pa.

TUBULAR RIVET AND STUD CO., 87 Lincoln St., Boston, Mass.
Chicago—130 N. Wells St.

Tubular Woven Fabric Co., 24 Carver St., Pawtucket, R. I.
Tuck, A. J, 344 E. 42nd, New York City.
Tuck Mfg. Co., Brockton, Mass.
Tuck, Raphael & Sons Co., advtg. post cards, 347 5th av., New York.
Tucker & Dorsey Mfg. Co., S. State & Bates Sts., Indianapolis, Ind.
Tucker & Laxton, reinf. concrete steel const., 912 N. Church, Charlotte, N. C.
Tucker & Son, boiler works, Newark, Ohio.
Tucker Bros. Mfg. Co., spoke tighteners & auto springs, Auburn blvd., Sacramento, Calif.
Tucker Duck & Rubber Co., Fort Smith, Ark.
Tucker, E. W., & Co., contractors, 347 Fremont, San Francisco, Calif.
Tucker, Edw. A., Co., steel struc'l wk., 101 Milk, Boston, Mass.
Tucker-Elec. Constr. Co., elec contrs. & engrs., 526 W. 34th st., New York.
Tucker-Kenworthy Co., 501 S. La Salle St., Chicago.
Tucker Mfg. Co., (Roofing Materials, Skylights, etc.), 23 E. 137th St., New York.
Tucker Tool & Machine Co., 75 Murray St., New York.
Tucker, W. H. & C. F., metal cutting shears, rod cutters, oil hole covers & oil cup mfrs., 191 Franklin, Hartford, Conn.
Tucker-Ward Hardware Co., 434 Trade, Winston-Salem, N. C.
Tucker, William, landscape architect, 35 Nassau, New York.
Tucker's Plating Wks., Rochester, N. Y.
Tuckhorn, Francis, glass stainer, 653 Monroe, B'klyn, N. Y.

TUCO PRODUCTS CORPORATION 30 Church St., New York.
Pres.—D. W. Pye.
CAL.—San Francisco—E. S. Sullivan, 751 Monadnock Bldg., Karny 4150.
D. C.—Washington—Frank N. Grigg, 630 Louisiana Ave., N. W.
ILL.—Chicago—T. L. Miller; Geo. Hricovsky, 835 Peoples Gas Bldg. Harrison 7134.
KY.—Louisville—P. C. Coleman & Son, 1319 Starks Bldg.
MASS.—Boston—Frank A. Barbey, 683 Atlantic Ave., Beach 1141.
MINN.—St. Paul—Minnesota Supply Co., Pioneer Bldg., Cedar 4517
MO.—St. Louis—H. B. Wilson Co., 915 Olive St., Olive 3748.
N. Y.—New York—R. F. O'Leary, E. L. Cline, 30 Church St., Cortland 6870.
TEX.—Dallas—W. D. Jenkins, 1112 Praetorian Bldg.
Houston—W. D. Jenkins, 810 Carter Bldg.
CAN.—Montreal, Que.—J. W. Coleman, Jr., 260 St. James St.

Tucson Lumber Co., Tucson, Ariz.
Tudor & Jones, bale ties, Weedsport, N. Y.
Tudor Boiler Mfg. Co., 715 E. 3rd St., Cincinnati, O.
Tuerck & Mackenzie Mach. Co., E. 3rd & Irving, Portland, Ore.
Tuerke, Baggage Bldr., trunk mfr., 212 W. Lexington, Balto., Md.
Tuerck, I. K., bank railings, 402 Davis, Portland, Ore.
Tufting Mach. Supply Co., 635 Mt. Elliot, Detroit, Mich.
Tufts College, engng. schools & coll., Tufts College, Mass.
Tufts, George M., contrs., 20 Beacon, Boston, Mass.
Tufts Meter Works of Amer. Meter Co., Nathaniel, Boston, Mass.
Tufts, Walter B., mill & facty. supps., 94 John, New York.
Tuhey Canning Co., Muncie, Ind.
Tulance Lbr. Co., Orange, Texas.
Tulane Univ. of La., College of Technology, St. Charles av., New Orleans, La.
Tulare County Growers' Assn., canned goods, Porterville, Calif.
Tulip Cup Co., 301 Lexington Ave., New York.
Tulite Auto Bulb Co., 1767 B'way, New York.
Tull, J. M., Rubber & Supply Co., mill & facty. supps., Atlanta, Ga.
Tullis & Blanchard, contractors, 326 E. 42nd, New York.
Tullis-Gamble Hardware Co., Montgomery, Ala.
Tully, C. H., Fence Co., Grand Island, Neb.
Tully, James J., 179 Master St., Philadelphia, Pa.
Tully Paint & Varnish Co., Tullytown, Pa.
Tully Rubber & Stamp Works, 45 California, San Francisco, Calif.
Tuloss, I. E., machts. & fndrs., Iowa City, Ia.
Tulsa Automobile Corp., Tulsa, Okla.
Tulsa Boiler & Machy. Co., Tulsa, Okla.
Tulsa Boiler & Sheet Iron Wks., (now Pioneer Tank & Boiler Co.), Tulsa, Okla.
Tulsa Fuel & Mfg. Co., zinc, Collinsville, Okla.
Tulsa Mach. & Tool Co., 421 E. 1st, Tulsa, Okla.
Tulsa Stove Co., machsts. & fndrs., 805-6 Mid-Cont. Bldg., Tulsa, Okla.
Tulsa Stove & Foundry Co., mfrs., Sand Springs, Okla.
Tulsa Vitrified Brick & Tile Co., 303 S. Cincinnati St., Tulsa, Okla.
Tum Tum Tie & Lumber Co., Amboy, Wash.
Tumpach, Jos., Cornice Co., 2431 S. Kedzie av., Chicago, Ill.
Tuna Glass Co., benders, Clarksburg, W. Va.
Tuna Iron & Steel Works, machsts. & fndrs., Bradford, Pa.
Tungsten Mfg. Co., plugs, spark, Marshalltown, Ia.
Tungsten Tool Co., Inc., 400 Concord Ave., New York.
Tungstolier Works of General Electric Co., machsts. & fndrs., Cleveland, Ohio.
Tunis, Barton M., carriages, Morristown, N. J.
Tunnell & Co., F. W. (Inc.), 15 N. 15th St., Philadelphia, Pa.
Tunnessen Mfg. Co., miners' safety lamps, Hazleton, Pa.
Tunstall-Johnson Co., arch'l engnrs., Citizens' Bank Bldg., Norfolk, Va.
Tunstead Heating Co., 1019 6th av., S. Minneapolis, Minn.
Tuohy, T. F., & Co., contractors, 89 Main, New York.
Tuorto Cut Stone Co., Belleville, N. J.
Tupelo Cotton Mills, Tupelo, Miss.
Tupelo Fertz. Factory, Tupelo, Miss.
Tupelo Oil & Ice Co., Tupelo, Miss.
Tupper & Co., W. W., 1133 Broadway, New York.
Tupper, Allen, masons' & bldrs.' matls., Perdido & Mira, New Orleans, La.
Tupper, Jno., Lynn, Mass.
Turbine Equipment Co., 30 Church, New York.
Turbine Sewer Machine Renovating Co., 197 11th, Milwaukee, Wis.
Tures Mfg. Co., gasoline lighting systems, 386 6th, Milwaukee, Wis.
Turk Mfg. Co., Jos. (Iron Beds), Bradley, Ill.
Turkeltaub, M., & Son, buckles, buttons, 38 E. 12th, New York.
Turkey Gap Coal & Coke Co., Dott, W. Va.
Turl Engng. Co., chemical apparatus & spec. machy., 39 Cortlandt, New York.
Turl Iron & Car Co., Inc., Newburgh, N. Y.
Turley Gear & Machine Co., 1505 N. 10th St., St. Louis, Mo.
Turley, H. G., machst., St. Louis, Mo.
Turley, T. J., Co., fertz. mfrs., Owensboro, Ky.
Turnbull Cone Machine Co., 419 Fort St., Chattanooga, Tenn.
Turnbull, Gilbert M., & Gray, Frank B., architects, 1210 La Salle, Chicago, Ill.
Turnbull Lumber Co., J. W., 1504 Locust St., Philadelphia, Pa.
Turnbull Manufacturing Co., Wilmington, O.
Turnbull Motor Truck & Wagon Co., Defiance, O.

TURNER & CO., LAURIN H., 226 W. Adams St., Chicago.

Turner & Deegan (Tools), Bristol, Conn.
Turner & Harrison Pen Mfg. Co., Inc., The, 1211-15 Spring Garden St., Philadelphia, Pa.
Turner & Stanton Co., Norwich, Conn.
Turner & Vanscoy Co., heating contrs., Wilkes-Barre, Pa.
Turner Architectural Service, architects, Central Savings Bank Bldg., Baltimore, Md.
Turner Asbestos Co., Exeter, N. H.
Turner Bedding Factory, Pine Bluff, Ark.
Turner Brass Works, Sycamore, Ill.
Turner Bros., rubber & ink erasers, 1022 Arch, Phila., Pa.
Turner Bros. Co., 25th & Locust Sts., Terre Haute, Ind.
Turner, C. A. P., concrete steel constr., 627 1st av., N., Minneapolis, Minn.
Turner, C. H., & Co., contractors, Pensacola, Fla.
Turner, C. H., machy. dlrs., Statesville, N. C.
Turner Co., The, 329 Tehama, San Francisco, Calif.
Turner Const. Co., 242 Madison Ave., New York.
Turner Cons. Co., 178 Tremont, Boston, Mass.
Turner Const. Co., 11 Goodell, Buffalo, N. Y.
Turner Contracting Co., Youngstown, Ohio.
Turner Day & Woolworth Handle Co., Inc., 1404 Adams, Nashville, Tenn.
Turner, Day & Woolworth Handle Co., 7th and Dumesnil Sts., Louisville, Ky.
Turner, E. H., flour mills, Henning, Tenn.
Turner, F. C., & Co., sashes, doors & blinds, Mobile, Ala.
Turner Fdry. & Machine Co., 3632 N. Lawrence, Phila., Pa.
Turner, Frederick A., 19 High St., Boston, Mass.
Turner-Fricke Mfg. Co., Farmers Bank Bldg., Pittsburgh, Pa.
Turner, G. H., Co., plumbers' supps., jobbers, 600 S. San Pedro, Los Angeles, Calif.
Turner-Halsey Co, 62 Leonard St., New York.
Turner Hardware & Implement Co., Modesto, Calif.
Turner Heater Co., Bristol, Conn.
Turner Heating Co., regulators, 137 Dyer, Providence, R. I.
Turner, Hy, archl. iron, 4737 Front st., Philadelphia, Pa.
Turner Improvement Company, J. W., Des Moines, Ia.
Turner, Inc., C. A., 117 3rd Ave., Pittsburgh, Pa.
Turner, J. C., Lumber Co., 100 E. 42nd st., New York.
Turner, J. F., Silo Co., bldg. tile, Council Bluffs, Ia.
Turner, J. S., Mfg. Co., mill & facty. supplies, Lowell, Mass.
Turner, J. Spencer, Co., cotton duck, etc., 24 Thomas, New York.
Turner, J. W., Improvement Co., contractors, Des Moines, Ia.
Turner, Jerry B., sash, door & blind mfrs., Mount Kisco, N. Y.
Turner, Jno. F., common bricks, Atlantic City, N. J.
Turner-Ligon Advertising Clock Co., Union City, Tenn.
Turner Lumber Co., J. C., 50 E. 42nd St., New York
Turner Machine Co., Danbury, Conn.
Turner Machine Co., 2632 N. Lawrence Ave., Philadelphia, Pa.
Turner Mach. Co., 180 Worth, New York.
Turner Mfg. Co., 4147 Ogden Ave., Chicago.
Turner Mfg. Co., J. S., Lowell, Mass.
Turner Mfg. Co., The, Port Washington, Wis.
Turner Oil Filter Co., Sycamore and 2nd Sts., Niles, Mich.
Turner, S. B., & Son, stencils, Norfolk, Va.
Turner Supply Co., plumbers' supplies, jobbers, Chester, Pa.
Turner Sevmour Mfg. Co., Torrington, Conn.
Turner Sons, Jas., Grand Forks, N. D.
Turner Supply Co., Mobile, Ala.
Turner Tanning Machinery Co., Peabody, Mass.
Turner, Thomas J., Marked Tree, Ark. (Handles.)
Turner, W. O., (Auto Access.), 351 Congress St., Boston, Mass.
Turner, W. R., common brick, Petersburg, Va.
Turner-White Coffin Co., Winston-Salem, N. C.
Turnerised Roofing Co., New Orleans, La.
Turney & Co., Joel, Fairfield, Ia.
Turney, ties, poles & posts, Medora, Ind.
Turney, Eugene T., Laboratories, head sets, 351 6th av., Newark, N. J.
Turnock, E. Hill, & Son, architect, Elkhart, Ind.
Turnstall & Arrington, architects, 300 E. Main, Norfolk, Va.
Turon & Swartz, contrs., Pittston, Pa.
Turpsene Mfg. Co., turpentine substitute, 315 Market, Philadelphia, Pa.
Turtle Lake Lumber Co., Grand Rapids, Mich
Tusant, J. E., & Son Co., contractors, Des Moines, Ia.
Tuscaloosa Cotton Seed Oil Co., Tuscaloosa, Ala.
Tuscaloosa Iron Works, Tuscaloosa, Ala.
Tuscaloosa Mills, cotton sheetings, Tuscaloosa, Ala.
Tuscora Rubber Co., The, New Philadelphia, O.
Tuscora Sand & Coal Co., 719 Prospect Hipp Bldg., Cleveland, O.
Tuska Co., The, C. D. (Radio Receivers), 24 Hoadley Pl., Hartford, Conn.
Tuskegee Normal & Industrial School, Tuskegee, Ala.
Tustin Hardwood Lumber Co., Bank of Commerce Bldg., Memphis, Tenn.
Tutein, E. A., Inc., pig iron & coke dealers, 200 Devonshire, Boston, Mass.
Tuten, W. G., lumber, Letford, Ga.
Tuthill & Thorn, machsts., Greenport, N. Y.
Tuthill Cut Glass Co., Middletown, N. Y.
Tuthill, J. A., lawn sprinklers, 1006 N. Highland av., Los Angeles, Calif.
Tuthill, J. W., Lumber Co., Sioux Falls, S. D.
Tuthill Spring Co., 760 Polk St., Chicago.
Tutschek, F., surgical instruments, 209 Centre, New York.
Tuttle & Bailey Mfg. Co., 2 W. 45th St., New York.
Tuttle & Co., canned goods, McConnellsville, N. Y.
Tuttle Brick Co., Middletown, Conn.
Tuttle, Chas. W., Auburn, N. Y.
Tuttle, H. Scott, contractor, Swampscott, Mass.
Tuttle, Harry W., 244 Madison av.
Tuttle Paint & Glass Co., El Paso, Tex.
Tuttle Press Co., 876-880 Union St., Appleton, Wis.
Tuttle, R., & Co., flour, Columbia City, Ind.
Tuttle Railway Supply Co., Inc., Woolworth Bldg., New York.
Tuxbury, A. C., Lumber Co., Charleston, S. C.
Tweed & Woodruff, contractors, Newburgh, N. Y.
Tweedy Co., colors & soapmakers' supplies, 456 Montgomery, San Francisco, Calif.
Tweedy Co., Inc., 383 Brannan, San Francisco, Calif.
Twentieth Century Radio Co., Greenville, Pa.
20th Century Brass Works, 514 5th av. S., Minneapolis, Minn.
20th Century Garage, auto windshields, 121 S. Lafayette, South Bend, Ind.
20th Century Heating & Ventilating Co., Heintz & Ina av., Akron, Ohio.
20th Century Machinery Co., 396 Greenbush St., Milwaukee, Wis.
20th Century Mixer Co., machsts., Connersville, Ind.
20th Century Tire Protector Co., Midlothian, Tex.
Twigg, Jno. & Sons, motor boat bldrs., 693 Illinois, San Francisco, Calif.
Twiggs, A. J., & Sons, contractors, Augusta, Ga.
Twin City Art Glass Works, 14 E. Lacock, Pittsburgh, Pa.
Twin City Bedding Co., mattresses, Marinette, Wis.
Twin City Boiler Works, Inc., Bristol, Va.
Twin City Brick Co., Pioneer Bldg., St. Paul, Minn.
Twin City Co., steel struct'l wk., trucks, tractors, etc., 29th & Minnehaha av., Minneapolis, Minn.
Twin City Cut Glass Co., St. Paul, Minn.
Twin City Fdy. & Mach. Co., Texarkana, Tex.
Twin City Four Wheel Drive Co., 2482 University Ave., St. Paul, Minn.
Twin City Fuel Co., sewer pipe, tile drains, etc., Neenah, Wis.
Twin City Iron & Wire Co., 25 W. Water st., St. Paul, Minn.
Twin City Iron Works, Norfolk, Va.
Twin City Lines, steel castings, St. Paul, Minn.
Twin City Lumber Co., North Tonawanda, N. Y.
Twin City Machine Co., Power Bldg., Nic. Isl., Minneapolis, Minn.
Twin City Mfg. Co., overalls, 237 1st av. N., Minneapolis, Minn.
Twin City Mill Co., flour, Bristol, Tenn.
Twin City Mission Furn. Co., Dept. H, St. Paul, Minn.
Twin City Oil Co., 210 N. 1st, Minneapolis, Minn.
Twin City Packing Co., meat packers, Menominee, Mich.
Twin City Plb. Specialty Co., 274 Rice, St. Paul, Minn.
Twin City Pump Co., Inc., 126 N. 4th St. Minneapolis, Minn.
Twin City Rapid Transit Co., 11th & Hennepin av., Minneapolis, Minn.
Twin City Separator Co., 1701 N. E. Madison, Minneapolis, Minn.
Twin City Steel Mfg. Co., pipe nipples & hangers, 2652H 34th av. S., Minneapolis, Minn.
Twin City Supply Co., hdwe. & mill supplies, 812 Crawford, Portsmouth, Va.
Twin City Tank Silo & Specialty Co., 38th av. & N. E. 5th, Minneapolis, Minn.
Twin City Tiling Co., floor mosaics, 16 W. North av. N. S., Pittsburgh, Pa.
Twin City Varnish Co., 1833 Seward av., Chicago, Ill.
Twin City Varnish Co., 413 Waconta St., St. Paul, Minn.
Twin City Welding Co., 313 7th av., S. Minneapolis, Minn.
Twin City Wringer Co., Merchants' National Bank Bldg., St. Paul, Minn.
Twin Dry Cell Battery Co., 11400 Madison Ave., Cleveland, O.
Twin Fire Furnace Co., 166 W. Jackson Blvd., Chicago.
Twin Fire Spark Plug Co., 3964 Grand River, De-
Twin-o-matic Machine & Tool Co., Inc., 160-8 John St., Brooklyn, N. Y.
Twin Ports Steel & Tractor Co., Superior, Wis.
Twin Tree Lumber Co., Maplesville, Ala.
Twine, H. L., mill & facty. supps., Yonkers, N. Y.
Twine Mills Corp., cotton, Roanoke, Va.
Twine Tie Co., Ltd., 1739 N. Wells St., Chicago. (See Cary Mfg. Co., Brooklyn, N. Y.)
Twining Concrete Co., pipes, Fresno, Calif.
Twining Laboratories, assayers, 2146 Merced, Fresno, Calif.
Twining, S. B., & Co., stone producers, Stockton, N. J.
Twinplex Sales Co., razor stroppers, 1627 Locust, St. Louis, Mo.
Twintree Corp., shoe trees, 36 Murray, New York.
Twinvolute Pump & Mfg. Co., Newark, N. J. (now The John H. McGowan Co.).
Twitchell-Champlin Co., canned goods & corn brooms, 252 Coml., Portland, Me.
Twitmire, W. T., cornices, Bellefonte, Pa.
Twiss, N. W., New Haven, Conn.
Twisted Wire & Steel Co. (now Consolidated Steel Strapping Co.).
Twitchell Co., S., 225 Vine St., Philadelphia, Pa.
Twitchell Gauge Co., The, 1516 S. Wabash Ave., Chicago.
Two Rivers Dredge & Dock Co., Two Rivers, Wis.
Two Rivers Plating Works, Two Rivers, Wis.
Twohy Bros. Co., contrs., Hobart Bldg., San Francisco, Calif.
Twohy Brothers Co., 2001 Halsey St., Portland, Ore.
Tyaskin Packing Co., Tyaskin, Md.

TYDEMAN, W. A., INC., mill & factory supplies, 129 Ferry, Easton, Pa.

Tyer Rubber Co., N. Main St., Andover, Mass.
Tygart Valley Glass Co., jars, Grafton, W. Va.
Tyler & Co., contractors, 2730 Nicollet av., Minneapolis, Minn.
Tyler & Hippach (Glass), 366 W. Ohio St., Chicago.
Tyler, C. B., turpentine, Albany, Ga.
Tyler Can Co., 1409 Eastern Ave., Baltimore, Md.
Tyler Coal & Coke Co., Central Bldg., Philadelphia, Pa.
Tyler Co., Arthur F., Athol, Mass.
Tyler Co., The W. S., 3615 Superior Ave., N. E., Cleveland, O.

Tyler Cotton Oil Co., meal, Tyler Tex.
Tyler, D. D., fndrs., Millville, N. J.
Tyler, Fred A., plumbers' brackets, generators, etc., Albany, N. Y.
Tyler-Hall Chemical Co., Readburn, N. Y.
Tyler Mattress Co., H. E. Common, Tyler, Texas.
Tyler Tube & Pipe Company, Washington, Washington, Co., Pa.

TYLER, W. S., CO., Cleveland, Ohio.
Branch Offices:
Boston, Mass.—68 Devonshire.
Chicago, Ill.—332 S. Michigan Ave.
New York—247 Park Ave.
Philadelphia, Pa.—260 S. Broad.
Johannesburg, South Africa.

Tyne & Willey, contractors, Binghamton, N. Y.
Typeribbon Mfg. Co., 711 S. Dearborn, Chicago, Ill.
Typewriter Emporium, 4401 Ravenswood Ave., Chicago.
Typhoon Fan Co., 345 W. 39th St., New York.
Typhoon Signal Co., auto. horns, 20 Chicago, Lincoln, Ill.
Tyre Bros. Glass Co., 1314 B'way, Fresno, Calif.
Tyre Bros. Glass Co., 3090 San Pedro, Los Angeles, Calif.
Tyrell, B. B., hot air furnace mfrs., Moline, Ill.
Tyroler, Leo., arch'l iron, 101 W. 88th, New York.
Tyron, Edw. K. Co., sporting goods mfrs., 611 Market, Philadelphia, Pa.
Tyrone Ironing Board Co., Tyrone, Pa.
Tyrone Milling Co., flour, Tyrone, Pa.
Tyrrell, A. H., & Son, machinists, Tyrrell, Ohio.
Ty-Sa-Man-Mach. Co., White av., Knoxville, Tenn.
Tyson & Jones Buggy Co., Carthage, N. C.
Tyson & Stubbs, lbr., Acree, Ga.
Tyson Bros., Inc., rubber substitutes, Woodbridge, N. J.
Tyson, J., & Son, fertilizer mfrs., Frederick, Md.
U. & O. Press Co., Glendale Station, L. I., N. Y.
U. S. E. Corp., auto bumpers, 7 W. 61st, New York.
Ubbink, Jos., curb forms, Port Washington, Wis.
Udell-Predock Mfg. Co., 2305-15 N. Broadway, St. Louis, Mo.
Udell Works, 28th & Barnes Ave., Indianapolis, Ind.
Udstad, S., machsts., Aurora, Ill.
Uehling Instrument Co., 473 Gaity Ave., Paterson, N. J.
Ufford, Frank M., cotton towels, Norwich, Conn.
Uhl-Jaster Co., contractors, 1900 Euclid av., Cleveland, Ohio.
Uhl, M., & Co., incubators, New Washington, Ohio.
Uhl Pottery Co., Evansville, Ind.
Uhlen Carriage Co., children's carriages, Rochester, N. Y.
Uhler & English, 108 N. Delaware Ave., Philadelphia, Pa.
Uhlfelder, Leo, Co., bronze powder, 148 W. 23rd st., New York.
Uhlich & Co., Paul, Inc., 11 Cliff St., New York.
Uhlrich, Geo. J., contrs., Modesto, Calif.
Uhrichsville Clay Co., Uhrichsville, Ohio.
Uihlein, Julius, & Co., mill & facty. supplies, 208 Elm, Cincinnati, Ohio.
Ukiah Milling Co., flour, Ukiah, Calif.
Ulen Contracting Co., 38 S. Dearborn, Chicago, Ill.
Ulery Co., U. J., 11 Warren St., New York.
Ulfer Mfg. Co., anti-skid chains, vapor lamps, etc., Freeport, Ill.
Uline, M. J., Co., ice scoring machy., 222 Sycamore, Toledo, O.
Ulinski, A., Bldg. Co., contrs., 39 Pulaski, New Britain, Conn.
Ullery, S. W., & Son, mill & facty. supplies, whol. hdwe., Logansport, Ind.
Ullman, D., Sons, scrap iron, steel & rubber, Buffalo, N. Y.
Ullman, Jacob, 82 Oneida St., Buffalo, N. Y.
Ullman Mfg. Co., The, 338 E. 59th St., New York.
Ullman, Sigmund C. O., 146th St. & Park Ave., New York.
Ulmer Co., J. C., 113 Prospect Ave., Cleveland, O.
Ulmer Leather Co., Norwich, Conn.
Ulmer, Jacob, Packing Co., meat packers, Pottsville, Pa.
Ulmer, Theo. C., hand made spikes, Richmond & E. Col., Philadelphia, Pa.
Ulmer, Wm. H., Co., stone, ft. of Chestnut, St. Paul, Minn.
Ulrey, A. A., & Co., flour mills, Fairmount, Ind.
Ulrich & Co., 363-5 E. North St., Buffalo, N. Y.
Ulrich & Co., J., 161 Washington, New York.
Ulrich, August G., sash, door & blind mfrs., 3864 Archer av., Chicago, Ill.
Ulrich, R. C., Hardware Co., Mount Clemens, Mich.
Ulrich Co., mill & facty. supplies, shuttles, Paterson, N. J.
Ulrich Company, Ward St. & Dale Ave., Paterson, N. J.
Ulrich Mfg. Co., agricultural implements, Rock Falls, Ill.
Ulrich Mfg. Co., harness, saddles & strap wk. mfs., Kokomo, Ind.
Ulrich Mill Work Co., Independence, Kans.
Ulrich Planfiling Co., Jamestown, N. Y.
Ulster Iron Works, Dover, N. J.
Ulster Paint Wks., Ellenville, N. Y.
Ulster Tissue Mills, Inc., Napanoch, N. Y.
Ultramarine Co., ultramarine blues, 38 Park Row, New York.
Umbach, F. G., agricultural implements, Athens, Ga.
Umbdenstock, W. M., Co., Inc., I. W. Hellman Bldg., Los Angeles, Calif.
Umberger, J. R., & H. G., machst., Lebanon, Pa.
Umlauf, J. A., machsts., 9 S. 15th, Richmond, Va.
Umpqua Cooperative Packing Co., canned goods, Gardiner, Ore.
Umstead Power Ditcher Co., ditching machy., Upper Sandusky, Ohio.
Unbreakable Mirror Co., Hackettstown, N. J.
Uncasville Mfg. Co., denims, Uncasville, Conn.
Uncle Sam Oil Co., petroleum, Kansas City, Kans.
Undeland, A. L., chairs (barbers), Omaha, Neb.
Under-Feed Stoker Co., Detroit, Mich. (now Sanford Riley Stoker Co.)
Underground Constr. Co., 130 N. Wells, Chicago, Ill.
Underground Signal Co., 500 Howard, San Francisco, Calif.
Underhay Oil Co., lubrg., 73 Batterymarch, Boston, Mass.
Underhill, Clinch & Co., whol. hdwe., 84 White, New York.
Underhill Dillen, flour mills, Mountain Home, Ark.
Underpinning & Found'n Co., 342 Madison Ave., New York.
Underwood & Underwood, 417 5th Ave., New York.
Underwood & Co., John, 63 Park Place, New York.
Underwood Comput'g Mach. Co., 260 Gold, Brooklyn, N. Y.

UNDERWOOD CORPORATION, H. B., 1025 Hamilton St., Philadelphia, Pa.
Pres.—David C. Hitchner.
Sec. & Treas.—W. Weidemann.

Underwood, F. J., Jamestown, N. Y.
Underwood Glass Pin Co., 5109 Germantown Ave., Philadelphia, Pa. (Now Graff-Underwood Co., Boston, Mass.)
Underwood Machinery Co., 110-120 Mt. Vernon St., South Boston, Mass.
Underwood Mill Supply Corp., 57 Windsor, Jamestown, N. Y.
Underwood Paper Mills, Inc., Plattsburg, N. Y.
Underwood Silk Fabric Co., Palatine Bridge, N. Y.
Underwood Typewriter Co., 304 Asylum, Hartford, Conn.
Underwood Typewriter Co., Underwood Bldg., New York.
Underwood Veneer Co., Wausau, Wis.
Underwood, W., Co., canned goods, 52 Fulton, Boston, Mass.
Underwood Whip Co., Westfield, Mass.
Underwood, Wm. J., machsts., Ava, Ill.
Underwriters' Hatch Door Co., 1741 Walnut St., Chicago. (Now Lyon-Carr Fire Door Co.)
Underwriters' Laboratories, 207 E. Ohio, Chicago, Ill.
Undi Co., G., Golden Ave. & Boston Rd., Newark, N. J.
Unexelled Manufacturing Co., Inc., 22 Park Place, New York.
Unger Bros., silver nov., 50 Columbia, Newark, N. J.
Unger, F. S., Plbg. & Htg. Co., cornices, Niles, Ohio.
Unger Slate Co., J. F., Slatington, Pa.
Unger, Warren, htg. contrs., Shamokin, Pa.
Ungerer & Co., oils, 124 W. 19th, New York.
Ungrodt, B., cornices & skylights, Washburn, Wis.
Unico Motor Products Corp., piston rings, 4969 St. Louis av., St. Louis, Mo.
Unielectric Corp., 235 Mt. Elliott Rd., Detroit, Mich.
Uniflex Coupling Co., Lafayette Bldg., Philadelphia, Pa.
Uniflow Boiler Co., Inc., Harrison Bldg., Philadelphia.
Union Almn. Co., aluminum combs, Doylestown, Ohio.
Union Art Glass & Fixture Co., glass shades, 1042 S. Olive, Los Angeles, Calif.

UNION ASBESTOS & RUBBER CO., 351 E. Ohio St., Chicago.
Pres.—L. L. Cohen.
Sec. & Treas.—C. Mosier.
Dallas, Tex.—Praetorian Bldg., W. D. Jenkins.
Detroit, Mich.—10 W. Warren, N. C. Foss.
Houston, Tex.—Carter Bldg., G. E. Naylor.
New York—30 Church St., H. M. Aubrey.
Portland, Ore.—309 Pine St., L. R. Fields.
San Francisco, Cal.—405 Sansome St., A. A. Dawley.

Union Asphalt Construction Co., Lemcke Bldg., Indianapolis, Ind.
Union Battery Co., Belleville, N. J.

UNION BAG & PAPER CO., 253 Broadway, New York.

Union Bed & Spring Co., 4343 Fifth Ave., Chicago.
Union Belt Co., 66 Troy St., Fall River, Mass.
Union Belting Co., 400 N. 2d, St. Louis, Mo.
Union Bending Works, Collins, O.

UNION BLIND & LADDER CO., 3535 Peralta St., Oakland, Cal.
Sales Representatives:
ALA.—Birmingham—Union Mill Work Co.
CAL.—Los Angeles—E. R. Kuns Co.
Oakland—Charles Christensen Co.
COLO.—Denver—George P. Heinz & Co.
IA.—Des Moines—Tower Materials Co.
Sioux City—Henoch & Bridge.
Waterloo—Iowa Building Material Co.
KAN.—Wichita—Grabendike Engineering Sales Co.
LA.—New Orleans—Nachary Builders Co.
MASS.—Boston—H. E. Holbrook Co.
MINN.—St. Paul—Concrete Steel Co.
MISS.—Jackson—Clark Building Material Co.
MO.—Kansas City—American Sash & Door Co.
St. Louis—Harry C. Uhlenhaut.
NEB.—Omaha—Sunderland Bros. Co.
OKLA.—Oklahoma City—Hanson Building Specialty Co.
Tulsa—Manning & Hall.
ORE.—Portland—Cress & Co.
TEX.—Amarillo—Panhandle Builders' Supply Co.
Dallas—R. J. DeWees Co.
Houston—Louis G. Hester.
San Antonio—General Supply Co.
Waco—C. H. Ruebeck.
UTAH—Salt Lake City—S. A. Roberts & Co.
WASH.—Seattle—D. E. Fryer & Co.
Spokane—D. E. Fryer & Co.
Tacoma—D. E. Fryer & Co.
Yakima—A. B. Fosseen & Co.

Union Boiler & Mfg. Co., 4th St., Lebanon, Pa.
Union Book Bindery Co., 442 N. Wells St., Chicago (now Midwest Book Bindery, Inc.)
Union Borax Co., Bradbury Bldg., Los Angeles, Calif.
Union Box Mfg. Co., Atlanta, Ga.
Union Brass & Metal Mfg. Co., Lawson & Mackerbin Sts., St. Paul, Minn.
Union Brass Foundry, bushings & castings, 2440 E. 52d, Los Angeles, Calif.
Union Brass Foundry Co., Lowell, Mass.
Union Brick Co., Shamokin, Pa.
Union Bridge Co., Porter Bldg., Portland, Ore.
Union Buffalo Mills Co., sheetings, Union, S. C.
Union Builders' Co-operative Contr. Co., Dunkirk, N. Y.
Union Building & Construction Co., Passaic, N. J.
Union Button Sewing Co., 394 Atlantic av., Boston, Mass.

UNION CARBIDE SALES COMPANY, Principal Offices—New York, Chicago, San Francisco.
Warehouses in 150 Cities as follows:
Alabama:
Birmingham—12 S. 20th St.
Mobile—16 S. Commerce St.
Montgomery—21 Washington Ave.
Arizona:
Phoenix—42 S. Central Ave.
Arkansas:
Fort Smith—109 S. 9th St.
Little Rock—1400 East 6th St.
California:
Fresno—932 H St.
Los Angeles—639 Gibbon St.
Sacramento—217 O St.
San Diego—7th & J Sts.
San Francisco—351 California St.
Colorado:
Denver—19th & Wazee Sts.
Connecticut:
Hartford—409 Windsor St.
District of Columbia:
Washington—Maryland Ave. & 9th St., S. W.
Florida:
Jacksonville—13 Cedar St.
Tampa—1702 Grand Central Ave.
Georgia:
Atlanta—Haynes & Rhodes Sts., P. O. Box 1594.
Savannah—Ogeechee Canal & Broughton St., P. O. Box 78.
Illinois:
Chicago—122 S. Michigan Blvd.
Danville—511 Oak St.
Decatur—133 W. William St.
East St. Louis—700 Broadway.
Eldorado—856 S. Fourth St.
Harrisburg—631 N. Webster St.
Marion—315 S. Granite St., P. O. Box 747.
Monmouth—509 S. First St.
Peoria—100-110 Edmund St.
Quincy—313 Delaware St.
Springfield—1801 Washington St.
Streator—501 East Hickory St.
Indiana:
Evansville—1601 Illinois St.
Fort Wayne—2206 Broadway.
Indianapolis—601-637 Kentucky Ave.
Terre Haute—714 N. 5th St.
Iowa:
Davenport—118 Harrison St.
Des Moines—3rd & Elm Sts.
Dubuque—8th & Washington Sts.
Fort Dodge—Central Ave. and 16th St.
Ottumwa—207-9-11 S. Washington St.
Sioux City—410 Court St., P. O. Box 398.
Waterloo—1209 E. 4th St.
Kansas:
Pittsburg—1201 N. Broadway.
Salina—154 N. 5th St.
Wichita—Douglas & Sycamore Aves., P. O. Box 951.
Kentucky:
Beaver Creek—(P. O. Allen, Ky.)
Central City—306 Broad St.
Louisville—Brook & E. Main St.
Middlesboro—1701 Cumberland Ave.
Louisiana:
New Orleans—118 N. Front St.
Shreveport—615 Market St., P. O. Box 62.
Maine:
Portland—11 Exchange St.
Maryland:
Baltimore—19 East Lombard St.
Cumberland—18 N. George St., P. O. Box 172.
Salisbury—406 Main St.
Massachusetts:
Indian Orchard—Pasco Road.
Worcester—15 Federal St.
Michigan:
Detroit—5785 Hamilton Ave.
Grand Rapids—500 Shawmut Ave., N. W.
Hancock—First National Bank Bldg.
Iron Mountain—513 Stephenson Ave.
Iron River—321 Carnegie Ave., P. O. Box 357.
Ironwood.
Ishpeming—412 E. Division St.
Jackson—518 S. Water St.
Lansing—617 E. Shiawasee St.
Muskegon—301 W. Western Ave.
Saginaw—1830-1840 N. Michigan Ave.
Sault Ste. Marie.
Minnesota:
Minneapolis—334 N. First St.
Virginia—413 Chestnut St.
Mississippi:
Vicksburg—1701-3 Levee St., P. O. Box 322.
Missouri:
Kansas City—1422 St. Louis Ave.
St. Joseph—920 So. Sixth St.
St. Louis—(See East St. Louis, Ill.)
Nebraska:
Omaha—1007-9-11 Jones St.
New Jersey:
Camden—Front & Division Sts.
Newark—251 Ridgewood Ave.
New York:
Albany—108 Third Ave.
Binghamton—83 Prospect Ave.
Buffalo—1336 Genesee St.
Geneva—Exchange St. & R. R. Plaza.
Hurleyville.
Jamaica—11 New York Ave.
Kingston—O'Neil St., near Broadway.
Niagara Falls.
Poughkeepsie—Smith St. & N. Y., N. H. & H. R. R. Tracks.
Utica—135 Hotel St.
Watertown—438 Court St.
Whitehall—22-23 Main St.
North Carolina:
Charlotte—Palmer St. & P. & N. R. R., P. O. Box 777.
Raleigh—119 S. Salisbury St.
Wilmington—Surrey St., bet. Castle & Queen Sts.
Wilson—700 South Goldsboro St.
Fargo—5th St. & 2nd Ave. N.
Ohio:
Athens—Cor. Factory & Moore Sts.
Canton—618 Mulberry Road, S. E.
Cincinnati—67 Plum St.
Cleveland—631 Hanna Bldg. Annex.
Columbus—330 Dublin Ave.
Dayton—104-114 S. Wayne Ave.
Lima—338 East High St.
Mansfield—40 W. Third St.
Steubenville—324-43 N. 7th St.
Toledo—414 South Erie St.
Youngstown—Jones & Brittain Sts.
Zanesville—Main & Second Sts.
Oklahoma:
McAlester—8 N. Main St.
Oklahoma City—4 W. Park Place.
Tulsa—1-11 Boulder St. North.
Oregon:
Portland—15th & Hoyt Sts.
Pennsylvania:
Beaver—244 Buffalo St.
DuBois—Weber Ave. & Franklin St.
East Greensburg—Clark & George Sts.
Erie—1502 Sassafras St.
Harrisburg—25 S. 10th St.
Johnstown—Messenger St. & B. & O. R. R.
Philadelphia—Second & Fishers Ave.
Philipsburg—P. O. Box 146.
Pittsburgh—1202 Chamber of Commerce Bldg.

(Continued on following page)

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UNION CARBIDE SALES CO.—Continued.
Pottsville—Railroad & Sanderson Sts.
Scranton—Penn Ave. & Vine St.
Shamokin—5th & Walnut Sts.
Williamsport—Canal & Court Sts.
Wilkes-Barre—150 E. Northampton St.
South Carolina:
Charleston—3 Liberty St.
Tennessee:
Chattanooga—312 Pound Bldg.
Knoxville—426 W. Depot Ave.
Memphis—671 S. Main St.
Nashville—102-4-8 Broadway.
Texas:
Dallas—400 S. Poydras St.
El Paso—1st & Kansas Sts., P. O. Box 103.
Houston—810-20 Live Oak St.
San Antonio—115 S. Medina St.
Waco—13th & Mary Sts.
Utah:
Salt Lake City—108 West Second South St.
Virginia:
Lynchburg—1324 Commerce St.
Norfolk—300 Main St., P. O. Box 556.
Richmond—1709 E. Cary St.
West Virginia:
Bluefield—195 Roanoke St.
Charleston—Broad St. & K. & M. R. R.
Elkins—Railroad Ave. & First St.
Fairmont—Auburn St.
Huntington—7th Ave., cor. 8th St.
Morgantown—610 University Ave.
Mount Hope—P. O. Box 536.
Mullens—P. O. Box 115.
Wheeling—43d & McColloch Sts.
Williamson—P. O. Drawer L.
Washington:
Seattle—304 Railroad Ave., South.
Spokane—162 South Post St.
Wisconsin:
LaCrosse—Front & King Sts.
Madison—513-519 Williamson St.
Milwaukee—120-134 Jefferson St.
Wyoming:
Casper—218-234 Industrial Ave.

Union Carpet Lining Co., 52 Chauncy St., Boston, Mass.
Union Casein Co., 822 N. Broad St., Philadelphia, Pa.
Union Chain & Mfg. Co., The, Sandusky, O.
Union Charcoal Co., Straight, Pa.
Union Chemical Wks., fertilizer mgrs., North Wales, Pa.
Union City Body Co., auto. bodies, Union City, Ind.
Union City Canning Co., Union City, Tenn.
Union City Carriage Mfg. Co., Union City, Ind.
Union City Chair Co., Union City, Pa.
Union City Hoop & Lbr. Co., Union City, Ind.
Union City Wheel Co., machsts. & fndrs., Union City, Ind.
Union Clay Mfg. Co., Empire, O.
Union Clay Products Co., Bloomingdale, Ind.
Union Coal & Coke Co., bituminous, Bentleyville, Pa.
Union Coal Co., Colorado Bldg., Denver, Colo.
Union College, engng. school & coll., Schenectady, N. Y.
Union Cooperage Co., 4136 N. 2nd St., St. Louis, Mo.
Union Cornice Co., 6527 McKinley, Los Angeles, Calif.
Union Cotton Mills, Lafayette, Ga.
Union Cotton Oil Co., Fitzgerald, Ga.
Union Cutlery Co., Olean, N. Y.
Union Cypress Co., lumber, Hopkins, Fla.
Union Dist. Co., ethyl alcohol, 229 Race, Cincinnati, O.

UNION DRAFT GEAR CO., McCormick Bldg., Chicago.
Pres.—James R. Cardwell.
V. P.—L. T. Canfield.
AsstS. to V. P.—J. W. Hathaway, J. E. Tarelton, W. G. Krauser, C. J. Gorman, F. E. Seknekz, J. A. King.
Sec. & Treas.—C. H. Tobias.
Mech. Supt.—H. Barnard.
Montreal, Que., Can.—1023 Transportation Bldg.

UNION DRAWN STEEL CO., 401 7th Ave., Beaver Falls, Pa.
Pres.—L. R. Davidson.
V. P.—E. S. Hoopes.
Sec. & Treas.—E. O. Rebeske.
Boston, Mass.—K. W. Moynes.
Buffalo, N. Y.—F. A. Fuller.
Chicago—A. D. Dorman.
Cincinnati, O.—C. R. Talbott Co.
Cleveland, O.—F. C. Young.
Detroit, Mich.—W. J. Bothwell.
Los Angeles, Cal.—The Milton Pray Co.
New York—J. P. Barnum.
Philadelphia, Pa.—O. C. Mirtcenes.
San Francisco, Cal.—The Milton Pray Co.
Seattle, Wash.—The Milton Pray Co.
Foreign:
London, E. C.—Brown Bros., Ltd.

Union Dredging Co., contrs., 465 California, San Francisco, Calif.
Union Drop Forge Co., 1742 N. Kostner Ave., Chicago.
Union Dry Dock and Repair Co., Weehawken, N. J.
Union Electric Co., Inc., Hamilton Ave. & Clark St., Trenton, N. J.
Union Electric Co., 933 Liberty Ave., Pittsburgh, Pa.

UNION ELECTRIC MFG. CO., electric controlling apparatus, 120 Reed, Milwaukee, Wis.

Union Elec. Mfg. Co., machsts., 415 S. St. Joe., South Bend, Ind.
Union Electric Mfg. Co., Pekin, Ill.
Union Electric Steel Co., Carnegie, Pa.
Union Electric Supply Co., 60 Pine St., Providence, R. I.
Union Electrical Porcelain Wks., Trenton, N. J.
Union Electrotype Foundry, 501 S. Jefferson St., Chicago.
Union Emblem Co., pins, Palmyra, Pa.
Union Engineering Co., machsts., Cuyahoga & W. 4th Cleveland, Ohio.

UNION ENVELOPE CO., Richmond, Va.
Pres.—Wm. H. Palmer, Jr.
V. P.—Wm. H. Palmer.
Sec. & Treas.—I. L. Rheutan.
Atlanta, Ga.—922 Atlanta National Bank Bldg., S. B. Fuchs.
Baltimore, Md.—206 E. Lexington St., Barton-Gillet Co.
Birmingham, Ala.—503 Lyric Bldg., B. V. Bevil.
Cleveland, O.—Suite 261 Hippodrome Annex, James L. Old.
Houston, Tex.—1412 Chartres St., O. C. Tatem.
New Orleans, La.—503 Board of Trade Bldg., I. S. McElkiney.
Norfolk, Va.—1021 Brandon Ave., Sarah O. Joyner.
Pittsburgh, Pa.—F. D. Moore & Co.
Salt Lake City, Utah—330 Fifth East St., H. S. Margette.
Savannah, Ga.—319 Henry St., Chas. E. Blakewood.
Tampa, Fla.—115 Whiting St., U. B. Quinby.
West Alexandria, O.—Bert Halderman.

Union Excelsior Lubrg. Co., 229 Front, New York.
Union Explosives Company, Clarksburg, W. Va., and Le Roy, N. Y.
Union Fertilizer Co., Cullman, Ala., Calif. Bldg., Los Angeles, Calif., & Warrenton, Ga.

UNION FIBRE COMPANY, INC., Winona, Minn.
Union Fishermen's Co-operative Packing Co., Astoria, Ore.
Union Forging Co., Union, N. Y.
Union Fork & Hoe Co., 500 Dublin Ave., Columbus, O.
Union Foundry & Machine Co., Ottawa, Kans.
Union Fndry. Co., 162 Water, Fitchburg, Mass.
Union Foundry Co., Anniston, Ala.
Union Foundry Works, 38 S. Dearborn St., Chicago.
Union Fuel Co., Reisch Bldg., Springfield, Ill.
Union Furnace Co., Ironton, O.
Union Furnace Mfg. Co., Union Furnace, Pa.
Union Furniture & Nov. Co., Warren, Pa.
Union Furn. Co., Dept. H, Batesville, Ind.
Union Furn. Co., Dept. H, Jamestown, N. Y.
Union Furn. Co., Dept. H, High Point, N. C.
Union Furniture Co., music cabinets, Rockford, Ill.
Union Gas Burner Co., 369 Ellicott, Buffalo, N. Y.
Union Gas Fixture Co., 325 W. 42nd st., New York.
Union Gas Engine Co., Oakland, Calif.
Union Gear & Machine Co., 27 Purchase St., Boston, Mass.
Union Glass Co., Somerville, Mass.
Union Granite Co., ft. of Wilmot, Portland, Me., & Morrisville & Waterbury, Vt.
Union Guano Co., Wash. Bank Bldg., Winston-Salem, N. C.
Union Handle Co., Frankfort, N. Y.
Union Hardware & Metal Co., 411 E. 1st St., Los Angeles, Calif.
Union Hardware Co., Torrington, Conn.
Union Hide Co., tallow, Third & Harrison, Oakland, Calif.
Union Horse Nail Co., Chicago. (Now Fowler & Union Horse Nail Co., Buffalo, N. Y.)
Union Insulating & Construction Co., 608 S. Dearborn St., Chicago.
Union Interior Finish Co., 5319 La Salle St., Chicago.
Union Iron Fdry., Union, S. C.

UNION IRON PRODUCTS COMPANY, 148th & Grasselli Ave., East Chicago, Ind.
Pres. & Treas.—C. E. Kitchin, Hammond, Ind.
V. P.—W. G. Warner, Fort Dodge, Ia.
Sec.—C. L. Carter, Fort Dodge, Ia.

Union Iron Works, Bangor, Me.
Union Iron Wks. Co., steel structural wk, etc., 212 12th, Washington, D. C.
Union Iron Works, Decatur, Ill.
Union Iron Works, Joplin, Mo.

UNION IRON WORKS, Newark & Grove Sts., Hoboken, N. J.

Union Iron Works, Selma, Ala.

UNION IRON WORKS, 1500 Cascade St., Erie, Pa.
Union Iron Works, 217 E. Montgomery Ave., Spokane, Wash.
Union Iron Works Co., San Francisco, Calif. (Now Bethlehem Shipbuilding Corp., Ltd.)
Union Jack Co., Bloomfield, Ind.
Union Knitting Mills, sweaters, etc., 44 N. 3d, Philadelphia, Pa.
Union Knitting Mills Co., Logan, Utah.
Union Lathe Wks., York, Pa.
Union Limestone Co., Youngstown, O.
Union Lock Stitch Co., mchsts. & fndrs., E. Boston, Mass.
Union Lumber Co., Bakersfield, Calif.
Union Lumber Co., Crocker Bldg., San Francisco, Cal.
Union Lumber Co., 360 N. Michigan Ave., Chicago.
Union Lumber Co., Union Mills, Wash.
Union Lumber Mfg. Co., Cumberland, Md.
Union Mach. Co., Bartlesville, Okla.
Union Mach. Co., 146 Water, Fitchburg, Mass.
Union Machine Co., 367 3d, Oakland, Calif.
Union Mach. Co., 934 Brannan, San Francisco, Calif.
Union Machine Works, Oakland, Calif.
Union Machine Works & Iron Fndry, 1821 S. Water, Phila, Pa.
Union Machinery & Supply Co., 500 1st av. S., Seattle, Wash.
Union Malleable Iron Co., East Moline, Ill.
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Cincinnati, O.—414 Elm St.
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Union Mfg. Co., bread boards, Cambridge, Ohio.
Union Mfg. Co., sashes, doors & blinds, Greenville, Fla.
Union Mfg. Co., inc., stoves, sad irons, etc., Boyerstown, Pa.
Union Match Co., Duluth, Minn.
Union Materials Co., masons' mtls., H. Sharon Bldg., San Francisco, Calif.
Union Meat Co., packers, North Portland, Ore., & San Antonio, Tex.
Union Metal Corner Co., 18th Heath, Boston, Mass.
Union Metal Goods Co., wire specialties mfrs., Pawtucket, R. I.
Union Metal Mfg. Co., 1432 Maple Ave., N. E., Canton, O.
Union Metal Products Company, 20 W. Jackson Blvd., Chicago.
Union Metal Works, cleanouts, traps, plugs, copper floats, flushing, tanks, etc., Chelsea, Mass.
Union Mill, paper, Bancroft, Mass.
Union Mill Gin & Warehouse Co., flour, Corinth, Miss.
Union Mills Paper Mfg. Co., New Hope, Pa.
Union Mills, sweaters, cardigans, etc., Hudson, N. Y.
Union Mining Co., Mt. Savage, Md.
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Union Motor Truck Co., Bay City, Mich.
Union Oil Co. of California, Union Oil Bldg., Los Angeles, Cal.
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Union Overalls Co., Rockford, Ill.
Union Pacific Coal Co., The, Rock Springs, Wyo.
Union Paint Co., South Ave. & B. & O. R. R., Pittsburgh, Pa.

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Union Paving Co., 108 S. La Salle, Chicago, Ill.
Union Pearl Works, handles, buttons, etc., 43 W. 27th, New York.
Union Pencil Co., 407 B'way, New York.
Union Petroleum Co., Widener Bl., Philadelphia, Pa.
Union Pipe Co., Owensville, Mo.
Union Plant Co., South av. & B. & O. R. R., Pittsburgh, Pa.
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Union Products Co., 1248 W. 70th St., Cleveland, O.
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Union Saw Mill Co., Huttig, Ark.
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Union Sheet Metal Wks., 10318 Shoemaker Ave., Detroit, Mich.
Union Shipbldg. Co., Fairfield, Md.
Union Shuttle Co., Lawrence, Mass.
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Union Smelting & Ref. Co., 1st. Natl. Bank Bldg., Baltimore, Md.
Union Smelting & Refining Co., St. Charles St. & Ave. L, Newark, N. J.
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Union Soapstone Co., 14 Marshall, Boston, Mass.
Union Spar Co., spars & masts, Gloucester, Mass.
Union Special Machine Co., 400 N. Franklin St., Chicago.
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Union Spoke & Bending Co., Union City, Ind.
Union Spring & Mfg. Co., New Kensington, Pa.
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Union Stained Glass Co., 79 Harbor View, Boston, Mass.
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Union Steel & Wire Co., Indianapolis, Ind.
Union Steel Casting Co., Farnham, Boston, Mass.

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Union Stove Wks., 70 Beekman St., New York.
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Union Sulphur Co., 33 Rector St., New York.
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Union Wheel Wks., 53 Stanton, Newark, N. J.
Union Wire Mattress Co., 4343 5th av., Chicago, Ill.
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Uniontown Constr. Co., Uniontown, Pa.
Uniontown Cotton Oil Co., Uniontown, Ala.
Uniontown Hardware & Supply Co., Uniontown, Pa.
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Unit Construction Co., 58th & Greys Ave., Philadelphia, Pa.
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United Brick Co., Greensburg, Pa.
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United Casting Co., Los Angeles, Calif.
United Cement Products Co., 18 E. Vermont St., Indianapolis, Ind.
United Cereal Mills, foods, Quincy, Ill.
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United Chemical & Organdie Products Co., 4200 S. Marshfield Ave., Chicago.
United Chemical Companies, 401 Delaware St., Kansas City, Mo.
United Cigarette Machine Co., Inc., Lynchburg, Va.
United Clay Products Co., face brick, 731 Munsey Bldg., Washington, D. C.
United Color & Pigment Co., mfrs., Newark, N. J.

UNITED COMMERCIAL CO., railroad equipt., 234 Steuart, San Francisco, Calif.

United Compound Co., 230 Elk St., Buffalo, N. Y.
United Contracting Co., North Western Bank Bldg., Portland, Ore.
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United Construction Co., Albany, N. Y.
United Conveyor Corp., 37 W. Van Buren St., Chicago.
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United Cork Companies, Lyndhurst, N. J.
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United Electric & Supply Co., 1120 Pine Ct., St. Louis, Mo.
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United Electric Co., Wichita, Kan.
United Electric Co., The, 1230 8th St., N. E., Canton, O.
United Electric Construction Co., 1727 Sansom St. Philadelphia, Pa.
United Elec. Supply Co., Marion, Ohio.
United Electric Supply Co., 1250 Atlantic Ave., Brooklyn, N. Y.
United Electric Supply, Inc., 105 E. 8th, Los Angeles, Calif.
United Engine & Machine Wks., Inc., auto accessories, castings, etc., 507 Broadway, Fresno, Calif.
United Engine Co., Lansing, Mich.

UNITED ENGINEERING & FOUNDRY CO., Farmers Bank Bldg., Pittsburgh, Pa.

United Engineering & Foundry Co., 1400 Grace, N. E., Canton, Ohio.
United Engineering Co., ship bldrs., 272 Steuart, San Francisco, Calif.
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United Filter Corp., 25 Broadway, New York.
United Fire Brick Co., North East, Md.
United Fireproofing Co., concrete constr., 8 W. 40th, New York.
United Folding Crate & Box Co., Addison, N. Y.
United Forge & Mach. Co., 2145 Franklin, Detroit, Mich.
United Fuel & Iron Co., Keenan Bldg., Pittsburgh, Pa.
United Fuel & Supply Co., 2000 W. Fort St., Detroit, Mich.
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United Handle Mills, 17 Battery pl., New York.
United Hdwe. & Supply Co., Titusville, Pa.
United Hdwe. Co., Ltd., 336 So. Rampart, New Orleans, La.
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United Iron & Metal Co., 432 Diamond St., Pittsburgh, Pa.
United Iron Works, 2nd & Jefferson Sts., Oakland, Cal.
United Iron Works, Inc., Bridge Arcade Bldg., Kansas City, Mo.
United Knit Goods Co., gloves & mittens, 2101 Superior, Cleveland, Ohio.
United Knitting Co., sweaters, &c., 1027 Calowhl, Philadelphia, Pa.
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United Metal Hose Co., Inc., 532-540 W. 22nd St., New York.
United Metal Mfg. Co., Inc., Norwich, Conn.
United Metals Selling Co., 25 Broadway, New York.
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United Oil Mfg. Co., lubrg., Erie, Pa.
United Oil Mills, Hope, Ark.
United Ornamental Iron Wks., 189 W. Madison, Chicago, Ill.
United Paperboard Co., 171 Madison Ave., New York.
United Peach Bottom Slate Co., roofing slate mfrs., Delta, Pa.
United Pencil Co., Inc., The, 313 Broadway, New York.
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United Piece Dye Works, machsts., Lodi, N. J.
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United Railway & Logging Supply Co., Ry Exchange Bldg., Seattle, Wash.
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United Smelting & Aluminum Co., Inc., New Haven, Conn.
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U. S. Automatic Box Machinery Co., 172 Green, Jamaica Plain, Boston, Mass.
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U. S. Automatic Fire Alarm Co., Hall Bldg., Kansas City, Mo.
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U. S. Bottlers' Machinery Co., 4015 N. Rockwell St., Chicago.
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U. S. Brokerage Co., 326 W. Lake St., Chicago.
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U. S. Broom & Brush Co., 130 N. Wells St., Chicago.
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United States Bung Mfg. Co., 50 S. 2nd St., Brooklyn, N. Y.
United States Bunting Co., Lowell, Mass.
U. S. Button Co., Muscatine, Ia.
U. S. Cabinet Bed Co., 336 Delancey, New York.
U. S. Can Co., Norwood, 2510 Highland av., Cincinnati, Ohio.
U. S. Cartridge Co., Lowell, Mass.
U. S. Casket Co., Scottdale, Pa.
U. S. Cast Iron Pipe & Fdry Co., 957 E. Ferry, Buffalo, N. Y.
U. S. Cast Iron Pipe & Foundry Co., 760 E. Pearl St, Burlington, N. J.
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MINN.—St. Paul—Merchants Bank Bldg.
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N. Y.—New York—30 Church St.
TEX.—El Paso—111 Mesa Ave.
UTAH—Salt Lake City—422 Ness Bldg.

United States Chaplet & Supply Co., 140 Cedar St., New York.
United States Chemical Co., scouring powder, 3115 Maple av., Los Angeles, Calif.
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U. S. Cooperage Co., handles, Malden, Mo.
U. S. Corrugated Fibre Box Co., Plant No. 1, Indianapolis, Ind.
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United States Crushed Stone Co., 111 W. Washington St., Chicago.
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United States Drill Head Co., The, 1950 W. Sixth St., Cincinnati, O.

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United States Electric Signal Co., W. Newton, Mass.
U. S. Elec. Supply Co., 424 S. Washington St., Peoria, Ill.
U. S. Electric Welder Co., Permanent Bldg., Cleveland, Ohio.
United States Electric Welding Co., 163 Meridan St., Boston, Mass.
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U. S. ELECTRICAL TOOL CO., Cincinnati, O.
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United States Electrical Tool Co., electric drills & grinders, 549 W. Washington blvd., Chicago, Ill.
U. S. Electro Galvanizing Co., 30-34 Stockton St., Brooklyn, N. Y.
U. S. Emergency Case Co., Utica, N. Y.
U. S. Encaustic Tile Works, 359 W. 16th St., Indianapolis, Ind.
U. S. Envelope Co., Springfield, Mass.
United States Envelope Co., 75 Grove St., Worcester, Mass. (Drinking Cups.)
U. S. Equipt. Co., contr. supplies, 208 S. La Salle, Chicago, Ill.

U. S. EXPANSION BOLT CO., 139 Franklin, New York.

U. S. Fastener Co., 1230 Columbia Rd., Boston, Mass.
U. S. Faucet Co., 1155 Mission, San Francisco, Calif.
U. S. Ferro-Alloys Corp., 41 E. 42nd St., New York.
U. S. Fidelity & Guaranty Co., insurance, Calvert & Redwood, Baltimore, Md.
U. S. Finishing & Mfg. Co., 216 N. Clinton St., Chicago.
U. S. Fire App. Co., Wilmington, Del.
U. S. Flexible Metallic Tubing Co., 336 S. San Pedro, Los Angeles, Cal.
U. S. Foundry Co., sash weights, 30th & Poplar, Oakland, Calif.
U. S. Furn. Co., Dept. H, Morgan av., Evansville, Ind.
U. S. Gas Furnace Co., 46 Clifford, Providence, R. I.
U. S. Gas Machine & Pattern Co., Muskegon, Mich.

U. S. GAUGE CO., 44 Beaver, New York.
Branch Offices:
Boston
Chicago
Detroit
New Orleans
Philadelphia
San Francisco

United States Glass Co., 110 Hopkins Place Baltimore, Md.
U. S. Glass Co., 9th & Bingham Sts., Pittsburgh, Pa.
U. S. Glass Co., Vandam blvd., Phila., Pa.
U. S. Glove Co., Marion, Ind.
U. S. Glue Co., Carrollsville, Milwaukee, Wis.

UNITED STATES GRAPHITE CO., 1430 Holland Ave., Saginaw, Mich.
Pres.—W. J. Wickes.
V. P. & Gen. Mgr.—Harry C. Woodruff.
Sec.—Arthur D. Eddy.
Treas.—Harry T. Wickes.
Chicago—J. G. Drought.
Denver, Colo.—E. H. Warmber.
New York—A. Weston Walker.
Philadelphia, Pa.—J. J. Edmiston.
Pittsburgh, Pa.—F. B. Gadard.
St. Louis, Mo.—C. D. McIntosh.
San Francisco, Cal.—G. R. Sovereign.

U. S. Grate Bar Co., fndrs., Elizabeth, N. J.
United States Gutta Percha Paint Co., 12-30 Dudley St., Providence, R. I.
U. S. Gypsum Co., Ideal Bldg., Denver, Colo.
U. S. Gypsum Co., 1462 Penob. Bldg., Detroit, Mich.
U. S. Gypsum Co., Lathrop Bldg., Kansas City, Mo.
U. S. Gypsum Co., Ellicott Sq., Buffalo, N. Y.
United States Gypsum Co., 205 W. Monroe St., Chicago.
U. S. Hame Co., 135 Tonawanda St., Buffalo, N. Y.
United States Hammered Piston Ring Co., 1206 S. Grove, Irvington, N. J.
U. S. Handle Co., farm tool & wood, Piqua, Ohio.
United States Hardware & Mfg. Co., 16 Warren Ave., Pawtucket, R. I.
United States Headlight Co., 2 Letchworth, Buffalo, N. Y.
United States Heating & Plumbing Co., 1010 Linn St., Cincinnati, O.
U. S. Hoffman Co., machsts., Syracuse, N. Y.
U. S. Horse Shoe Co., Erie, Pa.

U. S. INDESTRUCTIBLE GASKET CO., 831 E. 15th St., Brooklyn, N. Y.
Pres.—Geo. H. Ames.
Secy.—L. J. Rebele.

U. S. Industrial Alcohol Co., 110 E. 42nd, New York.
U. S. Industrial Alcohol Co., 3652 Archer Ave., Chicago.
U. S. Industrial Chemical Co., Inc., fertilizer, H. Curtis Bay, Baltimore, Md.
U. S. Industrial Chemical Co., 110 E. 42nd st., New York.
U. S. Iron and Steel Co., 233 Broadway, New York.
U. S. Lace Paper Works, 69 W. Houston, New York.
United States Lacquer Co., Inc., 444 Driggs Ave., Brooklyn, N. Y.
United States Lathe & Machine Co., 1518 W. 6th St., Cincinnati, O.
U. S. Leather Co., 204 Essex, Boston, Mass., & 17 Battery pl., New York.
U. S. Leather Goods Co., 106-8-10 W. Lake St., Chicago.
U. S. Lens Co., Geneva, N. Y.
U. S. Lock & Hardware Co., Columbia, Pa.

U. S. LIGHT & HEAT CORP., Niagara Falls, N. Y.
(U. S. Light & Heat Corp., of Calif., Oakland, Cal.)
(U. S. Light & Heat, Limited, Niagara Falls, Can.)
Pres.—C. O. Miniger.
1st V. P.—D. H. Kelly.
V. P. & Sec.—R. H. Van Nest.
V. P. Railway Sales—H. A. Mathews.
V. P. Sales—Mfg. Div.—J. A. White.
Sales Mgr.—Service Station Div.—H. A. Harvey.
Treas.—A. F. Strayer.
Works Mgr.—R. M. Kincaid.
Mgr. Export Dept.—C. G. Miner.
Purchasing Agent—A. A. MacLean.
Advertising Mgr.—E. D. Glanque.
Chicago—1404 Railway Exchange, A. W. Donop.
Detroit, Mich.—44 Brady St., W. W. Pennington.
New York—5617 Grand Central Terminal Bldg., W. W. Halsey.
Oakland, Calif.—Box 97, Sta. "G," 98th & Sunnyside Way, G. P. Wray.

United States Machine Co., Williamsport, Pa.
U. S. Mach. Gun Co., Meriden, Conn.
U. S. Machinery & Steel Co., machy. dlrs., 750 Folsom, San Francisco, Calif.
U. S. Machinery Co., woodworking machy, 136 Liberty, New York.
U. S. Mach. Tool Co., drilling & milling machy., Cincinnati, O.
United States Malleable Iron Co., Toledo, O.
U. S. Match Plate Co., Holyoke, Mass.
U. S. Materials Co., 1551 Kingsbury St., Chicago.
U. S. Mercantile Co., Inc., 3341 Ogden Ave., Chicago.
United States Metal Culvert Co., Union Trust Bldg., Cincinnati, O.
United States Metal Products Co., doors & ventilators, 330H 10th, San Francisco, Calif.
U. S. Metal Products Co., 59 W. Jackson Blvd., Chicago.

U. S. METALLIC PACKING CO., THE, 429 N. 13th St., Philadelphia, Pa.
Chicago—1008 Rand McNally Bldg., J. T. Luscombe, H. E. Hyslop.
Elkhart, Ind.—201 N. Vine St., L. B. Miller.
Philadelphia, Pa.—429 N. 13th St., John S. Mace, R. A. Light.
Richmond, Va.—603 N. Allen Ave., D. C. Thomas.
St. Louis, Mo.—1948-49 Railway Exchange, W. J. Roehl.
St. Paul, Minn.—2062 Marshall Ave., J. C. Weedon.

U. S. Metals Refining Co., 61 Broadway, New York.
U. S. Metals Refining Co., East Chicago, Ind.
U. S. Mica Mfg. Co., 1521 Circle av., Forest Park, Ill.
United States Mineral Wool Co., 280 Madison Ave., New York.
U. S. Mop Co., Toledo, Ohio.
United States Motor Truck Co., 17th & Madison, Cincinnati, Ohio.
U. S. Motor Truck Co., Covington, Ky.
U. S. Needle Concern, 912 West Madison, Chicago, Ill.
U. S. Nickel Co., New Brunswick, N. J.
U. S. Oil & Supply Co., mill & facty. supps., 20 Aborn, Providence, R. I.
U. S. Overall Mfg. Co., 422 Pioneer, Cincinnati, Ohio.
U. S. Palmetto Co., brush fibres, Bates & Colerain avs., Cincinnati, O.
U. S. Paper Goods Co., 1224 W. 8th, Cincinnati, Ohio.
U. S. Paper Mills, Chambersburg, Pa.
United States Pencil Company, 6000 Baltimore Ave., Philadelphia, Pa.
U. S. Pipe Bending Co., 315 Howard, San Francisco, Calif.
U. S. Piston Ring Co., Irvington, N. J.
U. S. Piston Ring Co., 2108 Superior av., Cleveland, Ohio.
United States Playing Card Co., Park Ave., Cincinnati, O.
U. S. Plywood Co., veneer panels, 314 W. 16th st., New York.
U. S. Portland Cement Co., Ideal Bldg., Denver, Colo.
U. S. Powder Co., 801-7 T. H. Trust Bldg., Terre Haute, Ind.
U. S. Pressed Steel Co., Ypsilanti, Mich.
United States Printing & Lithograph Co., Robertson Ave. & Beech, Cincinnati, O.
U. S. Pulley Covering Co., 166 Reade, New York.
U. S. Radiator Corporation, Broadway and Grand River, Detroit, Mich.
United States Radium Corp., 30 Church St., New York.
U. S. Rail Co., Cumberland, Md.
U. S. Railway Supply Co., Grand Central Terminal, New York.
U. S. Rattan Co., Hoboken, N. J.
United States Reduction Co., 704 S. Michigan Ave., Chicago.
U. S. Reduction Co., East Chicago, Ind.
U. S. Refining Co., fire resisting paints, 1291 W. 11th, Cleveland, O.
United States Refractories Corp., Mt. Union, Pa.
U. S. Register Co., 60-68 Burchard St., Battle Creek, Mich.
U. S. Ring Traveler Co., 159 Aborn St., Providence, R. I.
U. S. Rocking Grate Bar Co., 2825 W. Harrison St., Chicago.
U. S. Roofing Tile Co., Parkersburg, W. Va.

UNITED STATES RUBBER CO., 1790 Broadway, New York.
Atlanta, Ga.—115 So. Pryor St.
Baltimore, Md.—321 W. Lombard St.
Birmingham, Ala.—1811 First Ave., North.
Boston, Mass.—280 Summer St., Congress 6363.
Buffalo, N. Y.—133 Swan St.
Chicago, Ill.—440 W. Washington St., Franklin 6320.
Cincinnati, Ohio—121 E. 8th St.
Cleveland, O.—1235 W. Sixth St.
Columbus, Ohio—41 West Spring St.
Dallas, Tex.—700 Elm St.
Detroit, Mich.—6670 Jefferson Ave., E., Main 6940.
Indianapolis, Ind.—32 E. George St.
Kansas City, Mo.—313 W. 8th St.
Los Angeles, Cal.—784 S. San Pedro St., Main 2230.
Memphis, Tenn.—Linden Ave. & S. Front St.
Milwaukee, Wis.—241 E. Water St.
Minneapolis, Minn.—500 S. Third St.
New Orleans, La.—855 Baronne St.
New York, N. Y.—139 Duane St., Whitehall 8200.
Omaha, Nebr.—9th & Douglas Sts.
Philadelphia, Pa.—525 Market St., Lombard 6240.
Pittsburgh, Pa.—110 Seventh St., Smithfield 0100.
Portland, Ore.—111 N. Sixth St.
Rochester, N. Y.—67 Mortimer St.
Sacramento, Cal.—11th & R Sts.
Salt Lake City, Utah—158 Motor Ave.
Seattle, Wash.—212 Jackson St.
Spokane, Wash.—1011 First Ave.
St. Louis, Mo.—1607 Washington Ave.
Syracuse, N. Y.—125 Marcellus St.
Toledo, Ohio—33 Superior St.

U. S. Rubber Co., 101 Taylor, Springfield, Mass.
U. S. Rubber Co. (Mechanical Goods Division), 1520 Main, Kansas City, Mo.
U. S. Rubber Co., 111 N. 6th st., Portland, Ore.
U. S. Rubber Co., 1011 1st st., Spokane, Wash.
U. S. Rubber Reclaiming Co., 100 E. 42nd St., New York.
U. S. Rubber Reclaiming Co., 724 Ballock, Buffalo, N. Y.
U. S. Sand Blast Mfg. Co., 4228-3rd Ave., New York.
United States Sand Paper Co., Williamsport, Pa.
U. S. Sanitary Mfg. Co., Arrott Bldg., Pittsburgh, Pa.

U. S. SANITARY SPECIALTIES CORP., 435-441 S. Western Ave., Chicago.
Pres.—Harold I. Koppelman.
Sec. & Treas.—L. Koppelman.
New York—52 East Tenth St.

U. S. Sherardizing Co., New Castle, Pa.
U. S. Sidewalk Tile Co., 3150 Octavia, San Francisco, Calif.
United States Silica Co., 1953 Peoples Gas Bldg., Chicago.
U. S. Slicing Machine Co., mchsts. & fndrs., 189 N. Dearborn, Chicago, Ill., & La Porte, Ind.
U. S. Smelting Co., see U. S. Smelting, Refining & Mining Co. (successor)
United States Smelting Furnace Co., Belleville, Ill.
U. S. Smelting, Refining & Mining Co., spelter, etc., 120 Broadway, New York.
U. S. Smelting, Refining & Mining Co., Midvale, Utah.
U. S. Smelting, Refining & Mining Co., 55 Congress, Boston, Mass.
United States Smelting Works, 1615 Spring Garden St., Philadelphia, Pa.
U. S. Specialty Co., fishing bait, 520 S. Clinton, Syracuse, N. Y.
U. S. Specialty Co., manicure sets, Middletown, Conn.
U. S. Spring Co., Inc., auto bumpers, etc., 1120 S. Los Angeles, Calif.
U. S. Spring Bed Co., 228 Bernice av., Springfield, Mass.
U. S. Spruce Lumber Co., Marion, Va.
U. S. Stamping Co., Moundsville, W. Va.
U. S. Standard Co., acet. gas machines, Voorheesville, N. Y.
U. S. Standard Mfg. Co., The, Columbiana, O.
U. S. Stoneware Co., acid proof stoneware, Annadale av., Akron, Ohio.
U. S. Steel & Wire Co., 773 Broad, Newark, N. J.
United States Steel Corp., 71 Broadway, New York.
U. S. Steel Erection Co., Buffalo, N. Y.
United States Steel Products Co., 30 Church St., New York.
U. S. Storage Battery Co., radio, Far Rockaway, N. Y.
U. S. Stores Co., Salt Lake City, Utah.
U. S. Structural Co., The, 841 Broadway, New York.
U. S. Sugar Co., Madison, Wis.
U. S. Supply Co., Omaha, Nebr.
United States Tack Co., shoe nails, etc., 146 Court, New Bedford, Mass.
United States Talc Co., 41 Park Row, New York.
U. S. Tanned Pigskin Co., Peabody, Mass.
United States Tent & Awning Co., 701 N. Sangamon St., Chicago.
U. S. Theatre Equipment Corp., 1604 Broadway, New York.
U. S. Thread Co., 241 Arch St., Philadelphia, Pa.
United States Tire Co., Broadway & 58th St., New York
U. S. Tool Co., Inc., 117 Mechanics St., Newark, N. J.
U. S. Tool Mfg. Co., 169 N. Jefferson St., Chicago.
U. S. Tractor & Machinery Co., Menasha, Wis.
U. S. Trimming Co., fringes, tassels, etc., 1410 N. 6th, Phila, Pa.
U. S. Typewriter Ribbon Mfg. Co., 10th & Samson, Phila, Pa.
United States Varnish Co., 2616 Colerain Ave., Cincinnati, O.
U. S. Wall Pocket Mfg. Co., Inc., 423 W. 55th st., New York.
United States Water & Steam Sup. Co., 1315 W. 12th St., Kansas City, Mo.
U. S. Welding Company, Inc., 153-155 Lafayette St., New York.
United States Welding Co., Inc., 120 N. 1st St., Minneapolis, Minn.
U. S. Whip Co., Westfield, Mass.
United States Willow Furniture Co., 401 13th St., Hoboken, N. J.

U. S. WIND ENGINE & PUMP CO., 93 Water St. Batavia, Ill.
Pres. & Treas.—H. N. Wade.
V. P.—A. D. Mallory.
2nd V. P.—Le B. Turner.
Sec.—F. H. Doty.
J. P. Prindle, Jr., C. E. Ward, L. E. Wolcott, F. E. Pearson.

U. S. Window Glass Co., Morgantown, W. Va.
U. S. Wire Mat Co., Decatur, Ill.
U. S. Woven Label Co., 45 W. 34th, New York.
U. S. Zinc Co., Pueblo, Colo.
United Steel & Wire Co., Atchison, Kans.
United Steel & Wire Co., 227 Fonda Ave., Battle Creek, Mich.
United Suit Case Co., 1345 5th av., Pittsburgh, Pa.
United Supply & Mfg. Co., 20 W. Jackson Blvd., Chicago.
United Supply Co., lubricating oils, Madison & G. N. tracks, Spokane, Wash.
United Supp. Co., mill & facty. supp., Brunswick, Ga.
United Telepherage Co., 101 Park av., New York.
United Timber & Mercantile Co., New Orleans, La.
United Trimming Co., 42 E. 20th st., New York.
United Vacuum Appliance Div., of Landers, Frary & Clark, Connersville, Ind.
United Varnish Co., 248 Green, Long Island City, N. Y.
United Verde Copper Co., Jerome, Ariz.
United Verde Copper Co., Clarkdale, Ariz.
United Welding & Mfg. Co., Long Island City, N. Y.
United Wire & Supply Co., seamless brass & copper tubing & gold & silver plated wire, etc., Elmwood Station, Providence, R. I.
United Wire Tire Co. See Bates Valves Bag Co. (successors).
United Zinc Smelting Corp., 233 Broadway, New York.
Unity Cotton Mills, La Grange, Ga.
Unity Manufacturing Co., 224 N. Halsted St., Chicago.
Unity Paper Mills, Potsdam, N. Y.
Unity Sand & Stone Co., Greensburg, Pa.
Unitype Co., typesetting machs., 30 Monitor, Jersey City, N. J.
Universal Air Compressor Co., 1306 Brookside, Indianapolis, Ind.
Universal Apparatus Co., Berkeley, Cal.
Universal Arch Co., Railway Exchange Bldg., Chicago.
Universal Automotive Corp., 2462 1st av., S., Seattle, Wash.
Universal Automotive Supply Co., 4011 W. Washington Blvd., Chicago.
Universal Battery Co., 3410-24 S. La Salle St., Chicago.
Universal Bed Co., E. 8th & Main, Portland, Ore.
Universal Body Corp., comm. auto bodies, E. 7th av. & Main, Portland, Ore.
Universal Boring Machine Co., Hudson, Mass.

Universal Broom Co., W. 13th & Cowart, Chattanooga, Tenn.
Universal Brush Co., 114 E. 16th St., New York.
Universal Brush Co., Freeport, Ill.
Universal Burner Co., 246 S. Springer, Los Angeles, Calif.
Universal Button Fastening & Button Co., 2255 Fort av., Detroit, Mich.
Universal Cabinet Co., cedar chest, 1812 W. Austin av., Chicago, Ill.

UNIVERSAL CABLE GRIP CO., Skaneateles, N. Y.

Universal Camera Co., 718 Curtis, Chicago, Ill.
Universal Carbon Co., brushes, Dundee, Ill.
Universal Carrier Co., 120-124 N. May St., Chicago.
Universal Caster & Foundry Works, 574 Ferry St., Newark, N. J.
Universal Cement Mold Co., 39th & Villard Ave., Milwaukee, Wis.
Universal Chain Co., Stroudsburg, Pa.

UNIVERSAL CIRCULAR GAUGE CO., 448 Larkin, San Francisco, Calif.

Universal Coating Corp., 38 Water, New York.
Universal Cold Water Paint Co., 2013 W. Lake St., Chicago.
Universal Co., maps, 37 Barclay, New York.
Universal Compound Co. See Universal Coating Corp. (successors).
Universal Conveyor Co., The, South Bend, Ind.
Universal Cornice & Roofing Co., 2241 S. Troy St., Chicago.
Universal Coupling Company, 116 W. 103d St., Chicago.
Universal Crane Co., Elyria, O.
Universal Crane Co., Swetland Bldg., Cleveland, O.
Universal Crusher Co., Cedar Rapids, Ia.
Universal Cutter Co., textile machy., supplies, etc., 4567 Scott av., St. Louis, Mo.

UNIVERSAL DRAFT GEAR ATTACHMENT CO., 704 Railway Exchange Bldg., Chicago.

Pres.—C. J. Nash.
Asst. to Pres.—C. C. Kinsman.
V. P.—L. T. Canfield.
Sec. & Treas.—C. H. Tobias.
Asst. Sec.—E. B. Price.
Mech. Engr.—H. I. Wrigley.
Asst. Mech. Engr.—H. E. Bartsch, P. B. Camp.
Canadian Engr.—Webb G. Krauser.
Montreal, Que., Can.—Transportation Bldg.

Universal Drafting Machine Co., 1426 W. 3rd St., Cleveland, O.
Universal Elec. & Spec. Mfg. Co., junc. boxes, New Orleans, La.
Universal Electric Co., 137 5th, San Francisco, Calif.
Universal Electric Co., Peoria, Ill.

UNIVERSAL ELECTRIC STAGE LIGHTING CO., INC. (Kliegel Bros.), 321 W. 50th St., New York.

Universal Elec. Welding Co., 132 W. 42nd st., New York.
Universal Equalizer Co., The, 8 E. Pearl St., Cincinnati, O.
Universal Equipment & Supply Co., 107 N. Franklin St., Syracuse, N. Y.
Universal Exhibits, Monadnock Bldg., San Francisco, Calif.
Universal Film Mfg. Co., 1600 Broadway, N. Y.
Universal Fixture Corp., 133 W. 23rd St., New York.
Universal Fluxine Co., Urbana, O.
Universal Form Clamp Co., 972 Montana St., Chicago.

UNIVERSAL FOUNDRY CO., Pine & Warren Sts., Oshkosh, Wis.

Universal Fruit Stand Co., Johnson City, Tenn.
Universal Gauge Co., The, Anderson, Ind.
Universal Grinding Machine Co., 67 Walnut St., Fitchburgh, Mass.
Universal Gypsum Co., 111 W. Washington St., Chicago.
Universal Heater Mfg. Co., 1000-02 N. Vanderventer av., St. Louis, Mo.
Universal High Power Tel. Co., Carleton & Eddy, Seattle, Wash.
Universal Hoist & Mfg. Co., Cedar Falls, Ia.
Universal Index Tab Co., 435 Central Bldg., Seattle, Wash.
Universal Indicator Co., voting machines, 210 Syracuse, Milwaukee, Wis.
Universal Industrial Corp., hose clamps, Hackensack, N. J.
Universal Label Weaving Co., Paterson, N. J.
Universal Lubricating Co., Schofield Bldg., Cleveland, O.
Universal Lug Co., Cicero, Ill.
Universal Machine & Tool Corp., 4146 West Taylor St., Chicago.
Universal Mach. & Tool Co., 601 Mahoning rd, N. E., Canton, O.
Universal Machine Co., 501-9 E. Preston St., Baltimore, Md.
Universal Machine Co., 750 23rd av., Oakland, Calif.
Universal Machine Co., Bowling Green, O.
Universal Mach. Works, metal novelties, 1060H Germantown av., Phila., Pa.
Universal Machine Works, spec. machy. models & sheet metal stamping, 209 N. Los Angeles, Los Angeles, Calif.
Universal Machinery Co., Inc., Milwaukee, Wis.
Universal Mattress Mfg. Co., 1707 Howard, San Francisco, Calif.
Universal Milking Mach. Co., H, Michigan av., Columbus, Ohio.
Universal Motor Co., Oshkosh, Wis.
Universal Nozzle Co., 129 S. East Indianapolis, Ind.
Universal Oil Co., Wilmington, N. C.
Universal Oxygen Co., Sheboygan, Wis.

UNIVERSAL PACKING CORP., 342 Second Ave., Pittsburgh, Pa.

Pres.—Alfred S. Osbourne.
V. P.—J. J. McQuillen.
Sec. & Treas.—Alex. M. Donnan.

Universal Paper Bag Co., New Hope, Pa.
Universal Paper Goods Co., envelopes, 422 Boyd, Los Angeles, Calif.
Universal Paper Products Co., The, Middletown, O.
Universal Patch Co., tube patches, 724 S. San Pedro, Los Angeles, Calif.
Universal Piston Ring Gauge Co., 662 Turk, San Francisco, Calif.
Universal Portland Cement Co., 310 S. La Salle St., Chicago.
Universal Printing Co., coin wrappers, Erie, Pa.
Universal Radio Mfg. Co., Pittsburgh, Pa.
Universal Railway Supply Company, 1361 Peoples Gas Bldg., Chicago.
Universal Refractories Co., 53 W. Jackson Blvd., Chicago.
Universal Register Co., 226 W. Ontario, Chicago, Ill.
Universal Rim Co., 112 W. Adams, Chicago, Ill.
Universal Road Machinery Co., Kingston, N. Y.
Universal Rolling Mill Co., Bridgeville, Pa.
Universal Roofing Tile Co., 3690 Milwaukee, Chicago, Ill.
Universal Safety Mattress Co., Baltimore, Md.
Universal Safety Tread Co., 503 Scollay Bldg., Boston, Mass.
Universal Sales Co., window shades & frames, 1916 Broadway, Oakland, Calif.
Universal Sanitary Mfg. Co., plumbers' sanitary earthenware &c., New Castle, Pa.
Universal Self Lubricating Bearing Corp., Lincoln, N. J.
Universal Septic Tank Corp., 22nd St., Beaver Falls, Pa.
Universal Shipping & Trading Co., Alaska Bldg., Seattle, Wash.
Universal Shock Eliminator Co., 7 W. 61st st., New York.
Universal Shoe Machinery, Ltd., 124-128 Queen St., Montreal, Que., Canada.
Universal Silicate Stucco Co., 2607 W. 7th, Los Angeles, Calif.
Universal Skylight Co., 517 E. 73rd St., New York.
Universal Sprayer Co., 90 W. Broadway, New York.
Universal Stamp Works, 285 Market, Newark, N. J.
Universal Stamping & Mfg. Co., 1925 S. Western Ave., Chicago.
Universal Steel Cabinet Co., 2026-32 Pacific St., Brooklyn, N. Y.
Universal Steel Co., Bridgeville, Pa.
Universal Steel Products Co., jewelers' saws, 574 Bryant, San Francisco, Calif.
Universal Steel Wheel Co., Santa Ana, Cal.
Universal Supply Co., mill & factory supplies, Newark, Ohio.
Universal Tire & Rubber Co., 938 Harrison, San Francisco, Calif.
Universal Tire Filler Co., 441 Hawthorne av., Portland, Ore.
Universal Tire Protector Co., Angola, Ind.
Universal Tobacco Machine Co., 196 Mt. Pleasant Ave., Newark, N. J.
Universal Tool & Die Shop, models & special machy., 109 New Montgomery, San Francisco, Calif.
Universal Tool Co., Inc., reboring cylinders, Dept. H, Garwood, N. J.
Universal Toy & Novelty Mfg. Co., 824 Folsom, San Francisco, Calif.
Universal Trading Co., 100 5th Ave., New York.
Universal Trolley Wheel Co., Northampton, Mass.
Universal Tube Co., 120 N. May St., Chicago.
Universal Valve Co., see Burlington Brass Wks (successors).
Universal Winding Co., 95 South St., Boston, Mass.
Universal Woodworking Co., 104 N. 3rd, Portland, Ore.
University Apparatus Co., The, Berkeley, Cal.
University Bag Co., traveling, 165 Oliver, Boston, Mass.
University of Akron, engng. schools & coll., 302 Bucktal av., Akron, Ohio.
University of Calif, engng. schools and coll., Berkeley, Calif.
University of Cincinnati, Tech. School, Engng. School & Coll., Burnet Woods pk., Cincinnati, Ohio.
University of Detroit Engng. Dept., engng. schools & coll., 348 E. Jefferson, Detroit, Mich.
University of Illinois, College of Engng., engng. schools & colleges, Urbana, Ill.
University of Kentucky, engng. schools & college, Lexington, Ky.
University of Michigan, engng. school & coll., Ann Arbor, Mich.
University of Minn., engng. schools, Minneapolis, Minn., & University Farm, St. Paul, Minn.
University of Missouri School of Engng., engng schools & coll., Columbia, Mo.
University of Notre Dame, engng. school & coll., Notre Dame, Ind.
University of Oregon, engng. schools & coll., Eugene, Ore.
University of Pa., engng. school & coll., S. 34th cor. Woodland av., Philadelphia, Pa.
University of Pittsburgh, engng. school & coll., Grant blvd. & Parkman, Pittsburgh, Pa.
University of the South, engng. school & coll., Sewanee, Tenn.
University of Tennessee, engng. school & coll., Y. M. C. A., U. of T. campus, Knoxville, Tenn.
University of Vermont & State Agricultural Coll., Burlington, Vermont.
University of Washington, engng. school & coll., Seattle, Wash.
University of Wisconsin, engng. school & coll., Madison, Wis.
University Sheet Metal Wks., cornices & skylights, Seattle, Wash.
Unkefer Varnish Co., varnish arch. finish & enamels, 1827 Le Claire av., Chicago, Ill.
Uno Mfg. Co., metal polish, 1315 Carroll, Chicago, Ill.
Uno Ventilator Co., "Uno" revolving ventilator mfrs., Cliftondale, Mass.
Unsinger Razor Blade Co., Fremont, Ohio.
Unversaw, A. H., & Son, contrs., 1155 Shelby, Indianapolis, Ind.
Upchurch, W. J., lbr., Thomasville, Ga.
Updike, Eston, common brick, Charlotteville, Va.
Updike, J. B. & Co., lumber mfrs., Vincennes, Ind.
Updike Lbr. & Coal Co., 4500 Dodge, Omaha, Neb.
Updyke & Updyke, 316 Washington, Bristol, Pa.
Upham & Co., H. H. (Ornamental Metal Work), 508 W. Broadway, New York.
Upham & Walsh, Inc., 2322 S. Throop St., Chicago.
Upholsterer, trade publication, 373 4th av., New York.
Uphus, A. J., Co., built-in fixtures, cabinets, sashes, etc., 2315 Western av., Seattle, Wash.
Upjohn Co., pharmaceuticals, Kalamazoo, Mich.
Upjohn, Hobart B., architect, 456 4th av., New York.
Upland Coal & Coke Co., Upland, Pa.
Upland Foundry & Machinery Co., Upland, Calif.
Upper Kittanning Brick Co., 1 Montgomery St., Jersey City, N. J.
Upper Lehigh Colliery, Upper Lehigh, Pa.
Upright Shingle Co., Bellingham, Wash.
Upshaw Bros., fertilizer, Douglasville, Ga.

UPSON CO., Lockport, N. Y.
Branch Offices:
New York—110 E. 42nd.
Boston—79 Milk.

Upson County Oil Mills, Thomaston, Ga.

UPSON-WALTON CO., THE, 1100 W. 11th St., Cleveland, O.

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N. Y.—New York—George C. Paxton, 291 Broadway, Worth 0918.
PA.—Pittsburgh—A. J. Soisson, Oliver Bldg., Atlantic 2096.

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LA.—New Orleans—Jobbers Sales Corp.
MICH.—Detroit—F. D. Watkins Co.
MINN.—Minneapolis—John K. Hoppin Co., 1135 Plymouth Bldg.
MO.—St. Louis—Handlan-Buick Mfg. Co., 210 N. 3rd St., Main 231.
NEB.—Omaha—American Machy. & Sup. Co., 1113 Howard St.

Up-to-date Advtg. Co., metal, wood, cardboard & muslin signs, rulers, yard sticks, thermometers, etc., Canisteo, N. Y.
Up-to-Date Machine Co., 2913-15 S. Wabash Ave., Chicago.
Up-to-Date Mfg. Co., 945 N. 10th St., Terre Haute, Ind.
Up-To-Date Tool Co., 81 Wareham, Boston, Mass.
Upton & Gilman Machine Co., Lowell, Mass.
Upton, Henry A., lumber, North Reading, Mass.
Upton, Francis R., 9 Clinton St., Newark, N. J.
Upton Machine Co., St. Joseph, Mich.
Urania Lumber Co., Ltd., Urania, La.
Urban & Apple, contrs., Brazil, Ind.
Urban, Geo., Milling Co., flour, 332 Oak st., Buffalo, N. Y.
Urbana Broom Co., Urbana, Ohio.
Urbana Canning Co., Urbana, Ohio.
Urbana Egg Case Co., Urbana, Ohio.
Urbana Furn. Co., Dept. H, Urbana, Ohio.
Urbana Packing Co., meat, Urbana, Ohio.
Urbana Tool & Die Co., Urbana, O.
Urbauer-Atwood Htg. Co., 1450 S. 2nd, St. Louis, Mo.
Urick Foundry Co., Erie, Pa.
Uris, Abe, Iron & Steel Corp., 38 S. 8th, Brooklyn, N. Y.
Uris, Harris H., Iron Works, 521 W. 26th, New York.
Urmston-Shipley Lbr. Co., Moncks Corner, S. C.
Urquhart's Son & Co., John S., 131 Liberty St., New York.
Urschel-Bates Valve Bag Co., Toledo, O.
Ursem, L. J., Art Shade Co., glass stainers, Columbia Bldg., Cleveland, Ohio.
Ursery, L. C., turpentine, Graham, Ga.
U-Sav-Your Mfg. Co., auto dressing & polish, Warren, Mass.
Usem Co., push buttons, 505 W. 42nd, New York.
Usona Mfg. Co., arch'l iron, 3512-26 Chouteau, St. Louis, Mo.
Usona Mfg. Co., Inc., The, 103 E. 125th St., New York.
Usona Mfg. Co., sheet roofing fasteners, paints, etc., Aurora, Ill.
Usrey Lumber Co., McWilliams, Ala.
Utah Bedding & Mfg. Co., Salt Lake City, Utah.
Utah Canning Co., Ogden, Utah.
Utah Condensed Milk Co., Richmond, Utah.
Utah Construction Co., Ogden, Utah.
Utah Contr. Co., Phelan Bldg., San Francisco, Calif.
Utah Copper Co., miners, 25 Broad, New York.
Utah Corrugated Culvert & Flume Co., Woods Cross, Utah.
Utah Fire Clay Co., Salt Lake City, Utah.
Utah Fuel Co., coal mine, Salt Lake City, Utah.
Utah-Idaho Sugar Co., Salt Lake City, Utah.
Utah Iron & Steel Co., Inc., Salt Lake City, Utah.
Utah Lime & Stone Co., The, Salt Lake City, Utah.
Utah Oil Refining Co., Salt Lake City, Utah.
Utah-Packing & Prov. Co., meat, Salt Lake City, Utah.
Utah-Salduro Co., potash, etc., Salt Lake City, Utah.
Utah Soap Co., Salt Lake City, Utah.
Utah Steel Corp., Midvale, Utah.
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Utica Bedding Factory, mattresses, Utica, N. Y.
Utica Brass Works, Utica, N. Y.
Utica Canning Co., Utica, N. Y.
Utica Compressor Co., The, 819 Hamilton St., Utica,
Utica Cutlery Co., pocket knives, etc., Utica, N. Y.
Utica Drop Forge & Tool Co., Utica, N. Y.
Utica-Duxbak Corp., 825 Noyes St., Utica, N. Y.
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Utica Fire Brick & Clay Co., Utica, Ill.
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Utica Steam & Mohawk Valley Cotton Mills, sheetings, Utica, N. Y.
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Uxbridge Cotton Mills, North Uxbridge, Mass.
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V. & O. Press Co., Dry Harbor, Glendale Station, L. I., N. Y.
V. & S. Automatic Bolt Co., 1455 W. Austin av., Chicago, Ill.
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V

V. V. Fittings Co., junction boxes & lamp guards, 711H Cherry, Phila., Pa.
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Vacuum Bait Co., North Manchester, Ind.
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Vacuum Cleaner Construction Co., 417 Fifth Ave., New York.
Vacuum Cotton Picking Mach. Co., 1915 Pine, St. Louis, Mo.
Vacuum Glass Co., Lynn, Mass.
Vacuum Groove Piston Ring Corp., 3109 Adeline, Oakland, Calif.
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Vacuum Muffler Corp. of Am., 68 Broad St., New York.
Vacuum Oil Co., lubricating oils & greases, 61 Broadway, New York, & 926 Exchange, Rochester, N. Y.
Vacuum Spec. Co., bottles, 200 5th av., New York.
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Valentine & Co., 456 4th Ave., New York.
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Valley City Welding & Mfg. Co., piston rings, Valley City, N. D.
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Valley Forging Co., Verona, Pa.
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Valley Grey Iron Fdry. Co., Saginaw, Mich.
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Valley Iron Works (Inc.), Williamsport, Pa.
Valley Iron Works, 81 E. Water, St. Paul, Minn.
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Valley Machine & Tool Works, 611 W. Fremont, Stockton, Calif.
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Valley Packing Co., meat, 3673 Colerain av., Cincinnati, Ohio.
Valley Packing Co., meat, Salem, Ore.
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Valley Plbg. & Supp. Co., mill & facty. supps., Brownsville, Tex.
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Vance, John C., Iron & Steel Co., whol. hdwe., 1108 Carter, Chattanooga, Tenn.
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Vance Manufacturing Co., wood graining machines, 106 E. 2nd, Dayton, Ohio.
Vance, R. B., flour mills, Abingdon, Va.
Vance, S. N., arch'l engineers, New Monroe bldg., Norfolk, Va.
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Van de Carr & Stacy, contractors, Hudson, N. Y.
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Vanderbilt, Edw. W., ties, poles, etc., 98 Park pl., New York.
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Vandergrift & Morris, bolts, nuts, machy. guards, Shelbyville, Ind.
Vandergrift Box Co., crates, Vendergrift, Pa.
Vander Heyden, Fred H., Ionia, Mich.
Vanderhoof Lime Co., Hamburg, N. J.
Vanderhoof, Peter, & Sons Co., contractors, 285 Broad, Newark, N. J.
Van Derhoort Hdwe. Co., belt dressing, Lansing, Mich.
Van Der Horst, Henry L., contrs., Kalamazoo, Mich.
Vanderlip, H. E., & Co., steel struct. dlrs., 155 N. Clark, Chicago, Ill.
Vanderman Mfg. Co., Williamantic, Conn.
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Van de Venter & Son, canned goods, Dundee, Mich.
Van Dinter, Louis, & Son, organs, Mishawaka, Ind.
Vandivort, Wm. M., machsts., Nowata, Okla.
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Vanella & Co., C. J., 366 Broadway, New York.
Van Emon Elevator Co., 1161 Howard St., San Francisco, Cal.
Vanes Boiler Works, John, Brazil, Ind.

Vanes, Inc., Boiler Works Co., Brazil, Ind.
Van Etten, F. J., Co., contrs., 100 Boylston, Boston, Mass.
Van Expansion Bolt Mfg. Co., 4845 N. Lowell av., Chicago, Ill.
Van Fleet Mfg. Co., machsts., Joliet, Ill.
Vang Construction Co., Cumberland, Md.
Vanguard Mfg. Co. See Motor Products Corp. (successors).
Van Guilder Double Wall Co., Inc., 77 South Ave., Rochester, N. Y.
Van Horn, Oliver H. C., New Orleans, La.
Van Horn Shingle Co., Van Horn, Wash.
Van Horne & Co., D. A., 311 Mt. Pleasant Ave., Newark, N. J.
Van Horne, J. R., contrs., 509 Monadnock bldg., Chicago, Ill.
Van Houten, A. B., & Son, contractors, Paterson, N. J.
Van Houten, E. J. S., burners, mantles, 290 Broadway, New York.
Van Hoven, John H. H., metal & brass signs, 42 E. 9th, New York.
Van Iderstine Co., tallow, Long Island City, N. Y.
Van Itallie, I. C., Co., black diamond carbon, 90 W. Broadway, New York.
Vanity Fair Silk Mills, Reading, Pa.
Van Kannel Revolving Door Co., 250 W. 54th St., New York.
Van Keulen & Winchester Lumber Co., Grand Rapids, Mich.
Van Keuren Co., The, 362 Cambridge St., Allston, Boston, Mass.
Van Kirk, P. S., Co., contractors, Paterson, N. J.
Van Laak Mfg. Co., brooms, 3281 Harrison, San Francisco, Calif.
Van Landegend, G. A., cornices, Holland, Mich.
Van Landegend, Tyler, cornices, Holland, Mich.
Van Leer Bros., Brookville, Pa.
Van Leyen, Schilling, Keough & Reynolds, architects, 3440 Cass, Detroit, Mich.
Van Maldern F., stone carvers, 5th & Jumonville, Pittsburgh, Pa.
Vannatta, A. L., machst. & fndr., Columbia, Mo.
Van Natta Aluminum Wks., W. 12th St., Erie, Pa.
Van Ness, M. B., machinist, Welsh, La.
Van Ness Slate Co., tubs, 29 Camp pl., Newark, N. J.
Vanneste Bros., chicory mfrs., Capsac, Mich.
Van Noorden Co., E., 100 Magazine St., Boston, Mass.
Van Norman Machine Tool Co., 160 Wilbraham St., Springfield, Mass.
Van Nostrand Saddlery Co., Muscatine, Ia.
Vannote Lumber Co., Point Pleasant, N. J.
Van Nouhoys, Edwin C., 41 Liberty St., Albany, N. Y.
Vanosdell, Clark, machinist & founder, Eldon, Mo.
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VAN POETTGEN, INC., CARL S., Kresge Bldg., Detroit, Mich.

Van Pool Bros., contractors, Janesville, Wis.
Vanport Brick Co., Farmers Bank Bldg., Pittsburg, Pa.
Van Pottery Co., domestic china, Trenton, N. J.
Van Range Co., John, Cincinnati, O.
Van Riper Mfg. Co., 13-14 N. Houten St., Paterson, N. J.
Van Roden, Frank, contractor, Rutherford, N. J.
Van Ryn & De Gelleke, architects, Caswell blk., Milwaukee, Wis.
Vans Mfg. Co., pumps, 519 N. Church, Lodi, Calif.
Vansant Construction Co., J. R., 417 Dwight Bldg., Kansas City, Mo.
Van Sant, Kitchen & Co., Ashland, Ky.
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Treas.—Charles R. Dickerson.

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Van Sickel Co., lbr., Usina, Pa.
Van Sickle, W. B., heating contrs., 707 Frankfort av., Cleveland, Ohio.
Van Sicklen Speedometer Co., The, Elgin, Ill.
Van Sittert Hardware Co., 33 S. Raymond av., Pasadena, Calif.
Van Slyke, F. J., & Son, machsts., Linesville, Pa.
Van-Smith Bldg. Material Co., 276H E. Bay, Charleston, S. C.
Vantassel, R. H., feed & flour mills, Cory, Pa.
Van Tilburg Oil Co., lubrg., 2424 University av. S. E., Minneapolis, Minn.
Van Valkenburg Co., L. D., Holyoke, Mass.
Van Vechten & Son, 18 Warren St., New York.
Van Voorhies-Phinney Co., harness, J & 3rd, Sacramento, Calif.
Van Vorst Co., C. B. (Mattress & Furn.), 2401 Santa Fe, Los Angeles, Cal.
Van Wagner, E. B., Mfg. Co., see Precision Castings Co., Inc. (successor).
Van Wagoner-Linn Construction Co., 143 E. 27th St., New York.
Van Wembke, H. F., carriages, Elgin, Ill.
Van Wert Novelty Co., match safes, Van Wert, Ohio.
Van Winkle & Van Winkle, lubricating oils & metal polish, Ridgewood, N. J.
Van Winkle Co., J. A., Paterson, N. J.
Van Winkle, H. L., Co., iron & steel imptrs., 160H Beale, San Francisco, Calif.
Van Wyck & Stringham, buckwheat flour, Fishkill Plains, N. Y.
Van Zandt Gas Appliance Co., parlor gas grates, 4050 Olive, St. Louis, Mo.
Van Zandt Iron Works, 209 Railroad Ave., Fort Worth, Tex.
Vapo-Cresoline Co., disinfectants, 62 Cortland, New York.
Vapo Stove Co., Lima, Ohio.
Vaper Heating Co., York, Pa.

VAPOR CAR HEATING CO., INC., 1450 Railway Exchange Bldg., Chicago.
Pres.—Egbert H. Gold.
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V. P. & Treas.—S. Higgins.
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Vapor Tight Ring Co., piston rings, 1855 E. 28th, Minneapolis, Minn.
Vapor Valve Co., see Impulse Tank Co. (successors).
Vapor-Vacuum Heating Co., 16th & Sansom Sts., Philadelphia, Pa.
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Variety Fire Door Co., Sacramento & Carroll St., Chicago.
Variety Iron & Steel Works Co., Hamilton Ave. & E. 40th St., Cleveland, O.
Variety Iron Wks., grey iron castings, Seattle, Wash.
Variety Mfg. Co., 2958 Carroll Ave., Chicago.
Varley, Geo., & Sons, contractors, 29 Hudson, Newark, N. J.
Varn & Platt Co., canned goods, Savannah, Ga.
Varney Electrical Supply Co., The, 294 Upper 1st St., Evansville, Ind.
Varney Electrical Supply Co., 121 S. Meridian St., Indianapolis, Ind.
Varney, H. C., furnaces & bake ovens, Leavenworth, Kan.
Varney Htg. & Mfg. Co., see Varney, H. C. (successor).
Varnum Door Engine Co., door openers, 949 W. 16th, Los Angeles, Calif.
Varwig Mfg. Co., electric pumps, 120 Opera pl., Cincinnati, O.
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Vasil Steam Systems Co., Star bldg., Washington, D. C.
Vass Chemical Co., Danbury, Conn.
Vassar Foundry Co., Vassar, Mich.
Vassar Knitting Wks., Bay City, Mich.
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Vaughan & Bushnell Mfg. Co., 2114 Carroll Ave., Chicago.
Vaughan & Son Boiler & Mchy. Co., Joplin, Mo.
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Vaughan Lbr. Co., see Vaughan, Geo. C., & Sons (successor).

VAUGHAN MACHINERY CO., Cuyahoga Falls, O.

Vaughan Motor Works, 475 E. Main St., Portland, Ore.
Vaughan Novelty Mfg. Co., 3209 Carroll Ave., Chicago.
Vaughan-O'Neil & Co., glass stainers, 30 Merrimac, Boston, Mass.
Vaughan Paint Co., The, Columbus Rd. and Big Four R. R., Cleveland, O.
Vaughan's Seed Store, 8 W. Randolph St., Chicago.
Vaughn & Bester Lumber Co., Cushman, Ore.
Vaughn, George C., leather, Peabody, Mass.
Vaughn Co., L., 1153 Westminster St., Providence, R.I.
Vaughn, J. T., boot counters, Haverhill, Mass.
Vaughn Machinery Co., Cuyahoga Falls, O.
Vaughn Mfg. Co., agricultural implements, Jefferson, Wis.
Vaughn Mfg. Co., agrl. implt. mfrs., Morris, Minn.
Vaughn, Merril T., 3011, 25th, Woodbridge, Wash., D. C.
Vaughn, W. A., 3100 S. Dak. av., N. W., Wash, D. C.
Veach, J. M., Co., flour, Adairsville, Ga.
Veal Reed Chair Co., 802 Merrill av., Los Angeles, Calif.
Veale Bros., contrs., Hazleton, Pa.
Vedovi, G. A., burlap impts., 132 Nassau, New York.

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NEB.—Omaha—Sunderland Supply Co., 10th & Douglas Sts.
N. H.—Manchester—John B. Varick Co., 807 Elm St.
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N. Y.—Albany—Albany Hdwe. & Iron Co.
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Veerac Co., automobile bldrs., Anoka, Minn.
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Vegetable Oil Corp., cocanut oil cake, 244 Kearny, San Francisco, Calif.
Vehicle Supply Co., Cairo, Ill.
Vehicle Top & Supply Co., 3413 Lindell av., St. Louis, Mo.
Veide, C. L., & Co., contractors, Pekin, Ill.
Veide, Roelfs & Co., whol. hdwe. & mill supplies, Pekin, Ill.
Veihmeyer & Lapish, stone products, 31st & Canal, Washington, D. C.
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Veitch, W. T., & Bro., contractors, Oakland, Calif.
Veloo Mfg. Co., Inc., Greenfield, Mass.
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Velte Foundry & Mach. Co., Mars, Pa.
Velteem & Clow Mfg. Co., auto tools, Eugene, Ore.
Veltengruber Bros., lumber, Frankenmuth, Mich.
Velvetta Mfg. Co., sweeping compounds, 128 W. Front, Philadelphia, Pa.
Velvetone Poster Co., 67 Main, San Francisco, Calif.
Venango Bronze Metal Co., Franklin, Pa.
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Venderbush Company, The, 617 W. Larned St., Detroit, Mich.
Vendome Copper & Brass Works, Louisville, Ky.

VENDOR SLATE CO., Drake Bldg., Easton, Pa.

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Venn-Severin Machine Co., 1317-23 W. North Ave., Chicago.
Vensano, H. C., & Co., contrs., 58 Sutter, San Francisco, Calif.
Ventilating Closet Seat Co., Wausau, Wis.
Ventura Mfg. & Implement Co., machinists, Ventura, Calif.
Ventura Refining Co., 458 S. Spring, Los Angeles, Calif.
Vera Chemical Co., North Milwaukee, Wis.
Verbeek, Harry, Co., mfrs. agents & jobbers, plumbing, heating, steam fitters, engrs. & mill supplies, 3616 Iron, Chicago, Ill.
Vercler, Ray D., smelters & refiners, 747 S. Hill, Los Angeles, Calif.
Verd Cedar Co., lbr., Arlington, Wash.
Verdecksburg Iron & Wire Works Co., 1109 California, Denver, Colo.
Verdigris Valley Vitrified Brick & Tile Co., Neodesha, Kans.
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Vermont Farm Machine Co., Bellows Falls, Vt.
Vermont Hdwe. Co., Burlington, Vt.
Vermont Marble Co., Proctor, Vt.
Vermont Milling Products Corp., Fair Haven, Vt.
Vermont Shade Roller Co., Burlington, Vt.
Vermont Snath Co., brass fndrs., Springfield, Vt.
Vermont Soapstone Co., griddles & foot warmers, Perkinsville, Vt.
Vermont Spool & Bobbin Co., Burlington, Vt.
Vermont Talc Co., Holyoke, Mass.
Verner Coal & Coke Co., bituminous, Oliver bldg., Pittsburgh, Pa.
Verner Oil Co., Lattimore, N. C.
Verner, Wilheim & Molby, architects, Book bldg., Detroit, Mich.
Vernia, John, & Son Marble Co., stone producers, New Albany, Ind.
Vernier Mfg. Co., tanks, etc., Cedar Rapids, Ia.
Vernon Commercial Co., 3030 S. Main, Los Angeles, Calif.
Vernon, E. G., & Son, masons' & bldrs.' matls., Anderson, Ind.
Vernon Fixture & Cabinet Co., Audrey & Charles, Los Angeles, Calif.
Vernon, Inc., S. E. & M., 65 Duane St., New York.
Vernon Metal & Produce Co., pig lead, ingots, etc., 25 Beaver, New York.
Vernon Oil Refining Co., 2500 E. 26th, Los Angeles, Calif.
Vernon Parish Lumber Co., Kurthwood, La.
Verona Chemical Co., Newark, N. J.
Verona Steel Castings Co., Jones Ave., Verona, Pittsburgh, Pa.
Verona Steel Castings Co., Verona, Pa.
Verona Tool Works, Plum St., Pittsburgh, Pa.
Verrone, L., scrap rubber, 209 Charlton, Newark, N. J.
Versailles Sanitary Fibre Mills, cotton, Versailles, Conn.
Versoy, Irving R., architect & motor boat bldr., Morris Cove, 1285 Boulevard, New Haven, Conn.
Verto Products Co., Pawtucket, R. I.
Vertomatic Mfg. Co., Third & Buttonwood Sts., Reading, Pa.
Vertz, Geo. B., & Co., contractors, 4034 2d av. S., Minneapolis, Minn.
Very, Samuel R. T., architect, 100 E. 45th, New York.
Verza Leather Co., Peabody, Mass.
Vesper Wood Mfg. Co., silos, Vesper, Wis.
Vesta Accumulator Co., 2100 Indiana Ave., Chicago.
Vesta Battery Corp., rheostats, storage battery charging sets, 2100 Indiana av., Chicago, Ill.
Vesta Coal Co., bituminous, Jones & Laughlin bldg., Pittsburgh, Pa.
Vesta Gas Range & Mfg. Co., 110 Catherine av., Chattanooga, Tenn.
Vestal Chemical Co., 1128 Pine, St. Louis, Mo.
Vestal Lumber & Mfg. Co., Maryville pk., Knoxville, Tenn.
Vester & Ebeling, archs., McLain bldg., Wheeling, W. Va.
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Vesterdahl & Co., Karl (Machy. Refrig.), 90 West St., New York.
Vesuvius Crucible Company, Palmer St., Swissvale, Pa.
Vesuvius Lumber Co., Montgomery, Ala.
Vesuvius Plow Works, machsts. & fndrs., Vesuvius, Va.
Vette & Zuncker, meat packers & canned goods, 220 N. Green, Chicago, Ill.
Vetter, C. B., cornices & skylights, Pensacola, Fla.
Vetter, H. J., machst. & fndr., Jefferson City, Mo.
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Viall Motor Car Co., 6 E. 111th, Chicago, Ill.

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Vibration Specialty Co., Harrison Bldg., Philadelphia, Pa.
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Vickers & Mann, furniture, Dept. H, Brunswick, Ga.
Vickers & Sandlin, turpentine, Bakers Mills, Fla.
Vickers, Harry F., machsts., 3767 Moneta av., Los Angeles, Calif.
Vicksburg Governor Co., Vicksburg, Mich.
Victor Adding Machine Co., 319 N. Albany Ave., Chicago.
Victor Animatograph Co., Davenport, Ia.
Victor Architectural & Bldg. Co., architect, H., 4826 Delmar, St. Louis, Mo.
Victor Bearings Co., 145 W. 63d, New York.
Victor Balata & Textile Belting Co., 38 Murray St., New York.
Victor Bearings Co., Inc., 202 S. Penn. St., Indianapolis, Ind.
Victor Brass Mfg. Co., machsts. & fndrs., 6813 Wade Park av., Cleveland, Ohio.
Victor Buggy & Auto Top Co., 2615 Pestalozzi, St. Louis, Mo.
Victor Caster Co., sliding furn., casters, Bridgeport, Conn.
Victor Chemical Co., auto polish, radiator compound, etc., 1953 S. Los Angeles, Los Angeles, Calif.
Victor Chemical Wks., 343 S. Dearborn St., Chicago.
Victor Combination Kitchen Boiler Co., range boilers, 4th & Washington, Oakland, Calif.
Victor Cooler Door Co., cold storage doors, chutes & hdwe., Hagerstown, Md.
Victor Cotton Oil Co., fertz. mfrs., Gaffney, S. C.
Victor Dryer Co., clothes dryers, 479 Park av., Worcester, Mass.
Victor Iron Supp. Co., steel jobbers, 1743 Carter av., New York.
Victor Iron Works, Inc., 1106 Brook av., New York.
Victor Iron Works Co., 7th & Victor, St. Louis, Mo.
Victor Jar Co., 1321 Monroe, Detroit, Mich.
Victor, J. Evans, & Co., 724 9th N. W., Washington, D. C.
Victor Machine Work, 620 S. Broadway, St. Louis, Mo.
Victor Machy. Exchange, 253 Centre, New York.
Victor Mfg. & Gasket Co., 5750 W. Roosevelt Rd., Chicago.
Victor Mfg. Co., Newburyport, Mass.
Victor Mfg. Co., track jacks, Bloomfield, Ind.
Victor Mfg. Co., washing machines, Leavenworth, Kans.
Victor Milling Co., flour, Victor, N. Y.
Victor Mills Co., flour, Morgantown, W. Va.
Victor Monaghan Mills, Greenville, S. C.
Victor Oil Burner Co., 1505 Conway Bldg., Chicago.

VICTOR OXY-ACETYLENE EQUIPMENT CO., 844 Folsom, San Francisco, Calif.

Victor Parting Bead Co., window screens, weather strips, etc., 128 Washington, Reading, Pa.
Victor Preserving Co., Victor, N. Y.
Victor Products Corp., 2635 Belmont Ave., Chicago.
Victor Radio Corp., New York.
Victor Ring Traveler Co., 20 Mathewson St., Providence, R. I.
Victor Rubber Co., Springfield, O.
Victor Safe & Lock Div., The Safe Cabinet Co., Clenery & C. L. & N., Norwood, Cincinnati, Ohio.
Victor Saw Works, Inc., Middletown, N. Y.
Victor Screw Works, 2622 John River, Detroit, Mich
Victor Sebelik & Sons, lbr., Ogema, Wis.
Victor Sporting Goods Co., 88 Bernice, Springfield, Mass.
Victor Steel Co., 120 Broadway, New York.
Victor Stove Co., Salem, O.
Victor Talking Machine Co., Camden, N. J.
Victor Tool Co., Waynesboro, Pa.
Victor Truck Co., trucks & wheels, Johnsonburg, Pa.
Victor Typewriter Co., Scranton, Pa.
Victor X-Ray Corp., 236 S. Robey St., Chicago.
Victoria Button Works, 209 W. 35th, New York.
Victoria Lumber Co., Shreveport, La.
Victoria Marble Co., Knoxville, Tenn.
Victoria Metal Co., mill & facty. supps., Richmond, Va.
Victoria Metal Co., machsts. & fndrs., Erie, Pa.
Victoria Mill Co., Milltown, Wash.
Victoria Paper Mills Co., Fulton, N. Y.
Victoria Plush Mills, Swarthmore, Pa.
Victoria Safe & Lock Co., Shreveport, La.
Victoria White Granite Co., quarriers of bulding ornamental granite, Milford, Mass.
Victory Chain & Mfg. Co., York, Pa.
Victory Equipment Corp., Haydenville, Mass.
Victory Foundry & Machine Co., Inc., 419 Broadway, Buffalo, N. Y.
Victory Foundry Co., Peoria, Ill.
Victory Machine & Lbr. Co., Inc., 54 Mechanic St. Buffalo, N. Y.
Victory Machine Works, screw mach. products & stampings, 559 Howard, San Francisco, Calif.
Victory Mfg. Co., cocks, valves, etc., Niles, Calif.
Victory Mfg. Co., designers of special tools, dies, gauges, etc., York, Pa.
Victory Mfg. Co., Monadnock Bldg., San Francisco, Cal.
Victory Radio Electro Co., tel. jacks, 561 Howard, San Francisco, Calif.
Victory Specialty Co., E. Park-Mulberry Sts., Newark, N. J.
Victorsohn, Morris, iron work, 437 Grove, Jersey City, N. J.
Victorson Constr. Co., 126 S. 9th, Minneapolis, Minn.
Victorson Varnish Co., 100 William, New York.
Vidalia Chemical Co., Vidalia, Ga.
Viele, Blackwell & Buck, consulting engnrs., 49 Wall, New York.
Vienna Canning Co., Vienna, Ind.
Vierengel, Matthew, 32-38 S. Sixth St., Brooklyn, N. Y.
Vierkant, H. C., fire alarms, Tarrytown, N. Y.
Vierling, A. P., 21 N. 3rd St., New York.
Vierling Steel Works, ach'l iron, etc., 23d & Stewart av., Chicago, Ill.
Vietor, Wm. A., machst., Eureka, Calif.
Viett & Co., cornices, Rockville, Md.
Viflex Camera Co., 58 Harrison Ave., Springfield, Mass.
Vigo-American Clay Co., 17 Swope Bldg., Terre Haute, Ind.
Vigo Mining Co., coal mine, Dispensary bldg., Terre Haute, Ind.
Vigo Tile & Brick Co., Vigo, Pa.
Viking Elec. Co., 152 Chambers, New York.
Viking Iron Wks., Inc., 173 7th, Brooklyn, N. Y.
Viking Pump Company, The, Cedar Falls, Ia.
Viking Refrigerator Co., 31st & Harrison, Kansas City, Mo.
Viking Shear Co., Inc., Erie, Pa.
Viking Sign Co., elec. illuminated signs, 442 W. 42d, New York.
Viking Tool & Machine Co., Inc., 243 44th St., Brooklyn, N. Y.
Vilas Brothers, 1245-9 Belmont Ave., Chicago.
Vilas County Lbr. Co., Winegar, Wis.
Villa, A. P., & Bros., Inc., silk gds., 95H Madison av., New York.
Villa Rica Cotton Oil Co., Villa Rica, Ga.
Villa, Vicente B., & Co., mining machy. & railway equipt., 165 Broadway, New York.
Villadsen Bros., Inc., contrs., Dooly bldg., Salt Lake City, Utah.
Village Blacksmith Folks, The, Watertown, Wis.
Villanova Coll. of Technology, engng. schools & coll., Villanova, Pa.
Villard Auto Signal Co., Inc., Rochester, N. Y.
Villaume Box & Lumber Co., Chicago & Water Sts., St. Paul, Minn.
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Vilsack-Martin Co., 3222 Penn Ave., Pittsburgh, Pa.

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New York—220 Broadway, W. E. Hexamer.
Philadelphia, Pa.—932 Chestnut St.
Pittsburgh, Pa.—314 Curry Bldg., E. W. Alderman.
St. Louis, Mo.—2723 Bennett Court, C. F. Schulte.
Salt Lake City, Utah—28 West Broadway, L. A. Roser.
San Francisco, Calif.—607 Robt. Dollar Bldg.
Seattle, Wash.—106 W. Roy St.
Wellington, New Zealand—P. O. Box 512, R. B. Grange.

Vim Motor Co., machsts., Sandusky, Ohio.
Vim Motor Truck Co., Broad & Huntington Sts., Philadelphia, Pa.
Vinal, Ralph S., landscape architect, 46 Cornhill, Boston, Mass.
Vincennes Bridge Co., Vincennes, Ind.
Vincennes Foundry & Machine Co., Vincennes, Ind.
Vincennes Furn. Mfg. Co., Dept. H, Vincennes, Ind.
Vincennes Galvanized Iron Works, cornices & skylights, Vincennes, Ind.
Vincennes Motor Mfg. Co., carburetors, Vincennes, Ind.
Vincent-Alward Co., bed & furniture springs, auto seals, etc., Kenosha, Wis.
Vincent Clay Products Co., Fort Dodge, Ia.
Vincent, Frank J., 35 Southern Ave., Little Falls, N. Y.
Vincent, G. E., lumber, Anacortes, Wash.
Vincent, George (Tracing Paper), 422 E. 53rd St., New York.
Vincent-Lewis Co., gold leaf, 435 4th, Oakland, Calif.
Vincent, M., machinist, Selma, Calif.
Vincent-McCall Co. (Upholstery Sprgs.), Kenosha, Wis.
Vincent Steel Process Co., case hardening, tempering to order, etc., 3131 Bellevue av., Detroit, Mich.
Vincent-Wolters Co., hardware (whol.), Manistee, Mich.
Vinegar Bend Lumber Co., Vinegar Bend, Ala.
Vinegrove Lumber Co., Vinegrove, Ky.
Vineland Flint Glass Works, glassware, Vineland, N. J.
Vineland Scientific Glass Co., glassware, Vineland, N. J.
Viner & Sons, organs, 1371 Niagara, Buffalo, N. Y.
Vinson Contr. Co., 222 2d N. W., Washington, D. C.
Vinson, J. A., lbr., Clayton, N. C.
Vinton & Lyons, contrs., Uniontown, Pa.
Vinton & Son, Wm. H., Brattleboro, Vt.
Vinton Canning Co., Vinton, Ia.
Vinton Colliery Co., bituminous, coal mine, 50 E. 42d, New York.
Vinton Co., 12-255 Gen. Motors bldg., Detroit, Mich.
Vinton Co., aluminum hollow-ware, 100 N. 5th, Portland, Ore.
Vinyard Ship Building Co., Milford, Del.
Viola Milling Co., flour, Viola, Tenn.
Vioray Mfg. Co., therapeutic lamps, 382 2d av., New York.
Virden Co., chandelier chains, Ashland rd. & Longfellow, Cleveland, Ohio.
Virden Packing Co., Alexander Bldg., San Francisco, Cal.
Virgin, J. M., & Son, rattan furniture, Saco, Me.
Virginia & Pittsburgh Coal & Coke Co., Fairmont, W. Va.
Virginia & Rainy Lake Co., lbr., Virginia, Minn.
Virginia Barrel Co., cooperage stock, Winchester, Va.
Virginia Brick Co., Suffolk, Va.

VIRGINIA BRIDGE & IRON CO., machsts.' fndrs. & steel structural work, Roanoke, Va.

Virginia Brick Co., Colorado Bldg., Washington, D. C.
Virginia Can Co., Buchanan, Va.
Virginia-Carolina Chemical Co., S. 4746 N. Charlotte, N. C.
Virginia-Carolina Chemical Co., fertilizer, 11H S. 12th, Richmond, Va.
Virginia-Carolina Chemical Co., N. Winston, Winston-Salem, N. C.
Virginia-Carolina Hdwe. Co., Richmond, Va.
Virginia-Carolina Supply Co., Norfolk, Va.
Virginia-Carolina Tie & Wood Co., lumber mfrs., Norfolk, Va.
Virginia Consolidated Milling Co., flour, cotton sheetings, canvas, etc., Petersburg, Va.
Virginia Electric, Inc., Charleston, W. Va.
Virginia Equipment Co., Oak Harbor, O.
Virginia Equipment Co., Toledo, O.
Virginia Excelsior Co., Fredricksburg, Va.
Virginia Forging & Mfg. Co., bronze forgings, Richmond, Va.
Virginia Fdry. & Mach. Co., Virginia, Minn.
Virginia Hardwood Lbr. Co., Waiteville, W. Va.
Virginia Iron & Metal Co., machsts., 7th & Semmes, Richmond, Va.
Virginia Iron Coal & Coke Co., Roanoke, Va.
Virginia Iron Wks., Inc., Norfolk, Va.
Virginia Leather Co., The, Richmond, Va.
Virginia Lumber & Box Co., Petersburg, Va.
Virginia Lumber & Mfg. Co., masons' & bldrs.' matls., Roanoke, Va.
Virginia Machinery & Well Co., machinery dealer, 2310 Main, Richmond, Va.
Virginia Mfg. Co., paper dishes, plates, etc., Suffolk, Va.
Virginia Metal Mfg. Co., Inc., Roanoke, Va.
Virginia Mills, flour, Suffolk, Va.
Virginia Realty & Constr. Co., Inc., 1422 W. Gary, Richmond, Va.
Virginia Roofing & Cornice Co., Virginia, Minn.
Virginia School Supply Co., heating system, 2000 Marshall, Richmond, Va.
Virginia Shipbuilding Corp., Alexandria, Va.
Virginia Steel Supply Co., Inc., concrete reinforcing bars, nails, etc., 17th & Dock, Richmond, Va.
Virginia Trunk & Bag Co., Petersburg, Va.
Virginia Wagon Co., South Boston, Va.
Virginia Woodworking Co., sashes, tubs, etc., Bristol, Va.
Virginia Woolen Co., woolen flannels, Winchester, Va.
Virginian Electric & Mach. Wks., Charleston, W. Va.
Virkler, A. G., machst. & fndr., Lowville, N. Y.
Virtue & Pound Co., auto & transmission gears, Owatonna, Minn.
Viscol Co., 200 First St., East Cambridge, Miss.
Viscoloid Co., Leominster, Mass.
Viscosity Oil Co., 1101 W. 37th St., Chicago.
Visible Pump Co., Inc., The, Fort Wayne, Ind.
Visible Record Equipment Co., 226 W. Adams St., Chicago.
Visible Spark Plug Co., 3rd Ave. & Ross St., Pittsburgh, Pa.
Visor Knitting Mills, sweaters, cardigans, etc., Niagara Falls, N. Y.
Visscher, Theo. C., 363 Lexington, New York.
Visser, John, architect, First Nat'l Bk. bldg., Alhambra, Calif.

VISSERING & COMPANY, HARRY, 14 E. Jackson Blvd., Chicago.

Pres.—Harry Vissering.
V. P.—Chas. R. Long, Jr., G. S. Turner, J. M. Monroe.
Sec.—F. G. Zimmerman.
Treas.—H. L. Voge.
Mech. Engr.—W. H. Heckman.
Mech. Expert—J. S. Lemley.
Chief Draftsman.—H. Conventry.
Chicago—Harry Vissering, W. H. Heckman, J. S. Lemley, G. S. Turner, J. M. Monroe, H. L. Voge, F. G. Zimmerman, A. D. Ballantne, H. Conventry, G. E. Johnson.

Vitreous Enameling Co., The, Grant Ave., Cleveland, O.
Vitrified Pipe Mfrs. Ass'n., 2nd Nat'l Bank Bldg., Akron, O.
Vissman, C. F., & Co., meat packers, Louisville, Ky.
Vitagraph Co. of Am., films, E. 15th, Brooklyn, N. Y.
Vital Mfg. Co., spark plugs & vacuum cleaners, 7500 Quincy av., Cleveland, Ohio.
Vitale Brinckerhoff & Geiffert, landscape architects, 527 5th av., New York.
Vitamin Milling Co., flour, 367 Alise, Los Angeles, Calif.
Vitanola Talking Machine Co., 666 Lake Shore dr., Chicago, Ill.
Vito, A., Constr. Corp., Thompson, Conn.
Vitolo, Frank E., 16 E. 2d, New York.
Vitrefrax Co., Inc., refractory products, 51st & Pacific blvd., Los Angeles, Calif.

VITREOUS ENAMELING CORP., 6800 Grant Ave., Cleveland, O.

VITREOUS STEEL PRODUCTS CO., 6800 Grant Ave., Cleveland, Ohio.

VITRIFIED WHEEL COMPANY, THE, Emery St., Westfield, Mass.

Pres.—W. P. McSkimmon.
Treas.—R. J. Hein.

VITRIFYX COMPANY, THE, 620 W. Kinzie St., Chicago.

Vitro Mfg. Co., (Enameling, Glass & Pottery Works Supplies), Bessemer Bldg., Pittsburgh, Pa.
Vitrofax Company, Inc., The, 610 S. Main St., Los Angeles, Cal.
Vitrolite Co., The, Chamber of Commerce Bldg., Chicago.
Vitrolite Construction Co., Caswell blk., Milwaukee, Wis., 1490 Mission, San Francisco, Calif.
Vivian, Bond & Co., 68 Beaver St., New York.
Vixen Tool Co., Vixen files, 879 Mt. Prospect av., Newark, N. J.
Vichek Tool Co., The, 3900 E. 87th St., Cleveland, O.
Vodrey Pottery Co., East Liverpool, Ohio.
Vodrie, H. B., Sheet Metal Wks., cornices & skylights, San Antonio, Tex.
Voegtly, Wm. N., Jr., ry. supplies & steel, 625 Market, San Francisco, Calif.
Voelker & Groff, brick, Winona, Minn.
Voelker, Geo. W., & Co., textile machy. supplies, Woonsocket, R. I.
Voelker, Philip L., mill brushes, 2 Bucklin, Providence, R. I.
Vogan, J. P., sucker rods, Franklin, Pa.
Vogan Iron Works, 10 E. Belleview, Pasadena, Calif.
Vogel & Binder Co., 383 St. Paul St., Rochester, N. Y.
Vogel & Bros., Wm., 37 S. 9th St., Brooklyn, N. Y.

VOGEL CO., JOSEPH A., Wilmington, Del.

Vogel, F., & Co., furniture, 214H E. 37th, New York.
Vogel Furniture & Color Studio, 308 7th, San Francisco, Calif.
Vogel, H. G., Co., fire sprinklers & galv. pipe, 15 W. 37th, New York.
Vogel, Jacob, & Son, meat packers, 2604 Colerain av., Cincinnati, Ohio.
Vogel Mfg. Co., P. H., New Britain, Conn.
Vogel, P. A., & Sons, mill & facty., plumbers' & steamfitters' supplies, 121 W. Main, Louisville, Ky.
Vogel, W. H., cornices, Cape Girardeau, Mo.
Vogel, Wm., models, etc., 96 Warren, New York.
Vogelgesang Furnace Co., water htrs., Columbus, Ohio.
Vogelmeier Bros., brick, Newark, Ohio.
Vogelsang Bros., Construction Co., Cape Girardeau, Mo.
Vogely & Todd, carriages, 118 3rd av. N., Nashville, Tenn.
Voggenthaler, E. J., Co., iron & steel struct. wk., Dubuque, Ia.
Vogl Tool Co., 910 E. 19th St., Kansas City, Mo.
Vogt, Alfred H., concrete steel constr., 185 Stevenson, San Francisco, Calif.

VOGT BROTHERS MFG. CO., INC., 1402 W. Main St., Louisville, Ky.

Pres. & Gen. Mgr.—C. W. Vogt.
1st V. P.—A. R. Vogt.
2nd V. P.—Adam Vogt.
Sec.—Paul Phelps.
Chairman & Treas.—E. L. Vogt.
Indianapolis, Ind.—1016 Hume Mansur Bldg., A. R. Vogt, Mgr.

Vogt, Fred G., & Sons, meat packers, 30th & Race, Philadelphia, Pa.

Vogt, Geo. J., cornices, 343 E. 62d st., New York.

VOGT MACHINE CO., INC., HENRY, 1002 W. Ormsby St., Louisville, Ky.
Pres.—Henry Vogt.
Sec. & Treas.—G. A. Heuser.
Chicago—742 First National Bank Bldg.
Dallas—1501 Magnolia Bldg.
New York—2607 Singer Bldg.
Philadelphia, Pa.—304 Franklin Trust Bldg.

Vogt Mfg. Co., printers' rollers, Louisville, Ky.
Vogt Mfg. Corp. (Casket & Carriage Trimmings), 403 St. Paul St., Rochester, N. Y.
Vogt, W. & Son, contractors, Massillon, Ohio.
Vogt's, Wm., Sons, brick, Erlin, Ohio.
Vogt, Wm. H., Co., whol. hdwe., 506 Callowhill, Philadelphia, Pa.
Voight, B., flint pebbles & linings, 154 Nassau, New York.
Voight, C. H. (Est. of), sash, door & blind mfrs., Hicksville, N. Y.
Voight, F., carriages, La Crosse, Wis.
Voight Milling Co., flour, Grand Rapids, Mich.
Voight, Starr & Co., whol. hdwe., 58 Warren, New York.
Voigt Co., 1743 N. 12th St., Philadelphia, Pa.
Voigtmann & Co., Inc., 4158 Schubert Ave., Chicago.
Voith, J. M., Co., Inc., paper mill machy. & rotary screens, 80 Church, New York.
Vokes & Schaeffer, contrs., 1200 Wash. Blvd. bldg., Detroit, Mich.
Voland & Sons, Inc., New Rochelle, N. Y.
Volger Mfg. Co., B. G., 284 Main St., Passaic, N. J.
Volk, Albert A., Co., contractors, 550 W. 20th, New York.
Volk Electrical & Mfg. Co., Inc., Grand Central Terminal, New York.
Volk, Jacob, Housewrecking Co., 103 Park av., New York.
Volk, John, & Co., contrs., plate glass, etc., Rock Island, Ill.
Volk Stamp & Stencil Co., baggage checks, 437 Griswold, Detroit, Mich.
Volkcar Storage Battery Co., 220 E. 25th, Chicago, Ill.
Volker, Wm., & Co., window shade mfrs., N. W. cor. 3d & Main, Kansas City, Mo.
Volkhardt Co., Inc., 83 Prospect St., Stapleton Sta., S. I., New York.
Volkmar Kilns, potteries, Metuchen, N. J.
Volland & Co., P. F., 58 E. Washington St., Chicago.
Vollbrecht & Olsen, stone, 753 S. Canal, Milwaukee, Wis.
Vollenweider, J., cornices, 1506 Penna. av., Baltimore, Md.
Volrath Co., enameled ware, Sheboygan, Wis.
Voltax Co., 99 Reservoir Ave., Bridgeport, Conn.
Voltermann, F. H., cooperage stock, Brownsville, Tenn.
Voltex Co., compounds, paints, varnishes, etc., 89H Reservoir av., Bridgeport, Conn.
Voltlamp Electric Mfg. Co., 407 N. Paco, Baltimore, Md.
Volts Bros., 840 S. Halsted St., Chicago.
Voltz Mfg. Co., machsts. & fndrs., St. Joseph, Mo.
Volunteer Mfg. Co., overalls, 103 9th av. S., Nashville, Tenn.
Volyum Pump Co., The, 419 W. Liberty St., Cincinnati, O.
Vom Baur, C. H., 25 Church St., New York.
Vom Hofe, Edw., & Co., fishing tackle mfrs., 112 Fulton, New York.
Vom Hofe, Julius, fishing reels, 131 Grand av., Brooklyn, New York.
Von Behren Mfg. Co., Evansville, Ind.
Vondersmith, Harry M., machsts. & fndrs., Lancaster, Pa.
Vonde's Visible Pump Co., 2248 E. 37th, Los Angeles, Calif.
Von Gerichten Art Glass Co., 557 S. High, Columbus, O., & 52 Morningside av., New York.
Von Kokeritz, R. G., & Co., box fasteners, 114 Liberty, New York.
Vonnegut, Bohn & Mueller, architects & engineers, 120 E. Washington, Indiana, Ind.
Vonnegut Hardware Co., 120 E. Washington St., Indianapolis, Ind.
Vonnegut Machinery Co., 43 S. Meriden St., Indianapolis, Ind.
Vonore Flouring Mills, Vonore, Tenn.
Von Phul, Gilbert D., sugar machy. constr., Carondelet bldg., New Orleans, La.
Von Platen & Dick Co., sash, door & blind mfrs., 2248 W. Kinzie, Chicago, Ill.
Von Platen Lumber Co., Iron Mountain, Mich.
Von Serkey, J., Mfg. Co., 491 Tehama, San Francisco, Calif.
Von Stade, F. W., bristles, 73 Beekman, New York.
Von Thaden & Meyer, whol. hdwe., 73 Murray, New York.
Von Weller-Lyon Company, The, 180 N. Market St., Chicago
Voorhee, F. A., Constr. Co., Alton, Ill.
Voorhees Rubber Mfg. Co., 18 Bostwick Ave., Jersey City, N. J.
Voorhis, C. A., Constr. Co., Hackensack, N. J.
Vorhis, F. C., rye & buckwheat flour, Brookton, N. Y.
Vornhold Wall Paper Co., Kennedy & Garden, Philadelphia, Pa.
Vortex Mfg. Co., paper cups, 421 N. Western av., Chicago, Ill.
Vortex Mfg. Co., The, 1978 W. 77th St., Cleveland, O.
Vosburgh, Edwin, leather, Johnstown, N. Y.
Vosburgh Min. Lamp Co., 289 Valley rd., West Orange, N. J.
Vose & Sons Piano Co., 160 Boylston, Mass.
Vose Spring Co., 150 Bleecker St., New York.
Voshell, J. C., & Son, buckwheat flour, Camden, Del.
Voska, Foclach & Sidlo, marble interior work, 61 Mills, Astoria, Long Island, N. Y.
Voss Alcohol Export Corp., 27 William, New York.
Voss Bros. Mfg. Co., Davenport, Ia.
Voss-Hutton Mfg. Co., harness, Little Rock, Ark.
Voss, Fred'k, iron furring, railings, wire cloth, etc., 552 W. Monroe, Chicago, Ill.
Voss, H. F., Co., Inc., canned gds., 326 Park av., Brooklyn, N. Y.
Voss, Herman, Co., advtg. spec., 603 E. Water, Milwaukee, Wis.
Voss Table Co., Dept. H, Louisville, Ky.
Votey Organ Co., 29 W. 42d, New York.
Votteler, Henry J., & Son, organs, 37 Arcade, Cleveland, Ohio.
Vought & Williams, iron & steel mrs., 365 Greenwich, New York.
Vought, H. H., & Co., contractors, Grand Central Terminal, New York.
Vought Milling Co., flour, Paxinos, Pa.
Vrana, Jos. E., contrs., 1956 S. 15th, Omaha, Neb.
Vredenburgh Lumber Co., Peter, Springfield, Ill
Vredenburgh Saw Mill Co., Vredenburgh, Ala.
Vreeland, B. F., see Douglas Fir Cross-Arm Co. (successor).
Vreeland, Chas., & Co., machsts., Paterson, N. J.
Vreeland Motor Co., Inc., Chestnut & Hilladale Sts., Newark, N. J.
Vroman-Cook Co., Inc., sheet metal work, 17-23 W. 28th, Minneapolis, Minn.
Vromán, J. E., Co., contrs., Town of Union, N. J.
Vroom Bros. Co., bldg. contrs., 333 Union, Lynn, Mass.
Vrooman's, J. V., Sons Co., cornices, Schenectady, N. Y.
Vuille, Chas. A., hydrometers, Huntingdon, Pa.
Vukicevich & Bagge, 815 Bryant, San Francisco, Calif.
Vulca Laboratories, tube patches, 143 2d, San Francisco, Calif.
Vulcan Asbestos Mfg. Co., Inc., 95 Broad St., New York.
Vulcan Auto Parts Co., piston rings, 2126 Race, Philadelphia, Pa.
Vulcan Brass Mfg. Co., The, 24 Noble Ct., Cleveland, O
Vulcan Brass Works, 714 N. 4th, Allentown, Pa.
Vulcan Brazing & Machine Co., 2126 Race, Philadelphia, Pa.
Vulcan Crucible Steel Co., Aliquippa, Pa.
Vulcan Detinning Co., P. O. Box 946, Pittsburgh, Pa.
Vulcan Detinning Co., Sewaren, N. J.
Vulcan Electric Heating Co., 107 W. 13th St., New York.
Vulcan Engine Wks., 1827 Bainbridge St., Philadelphia, Pa.
Vulcan Engineering Co., Jackson, Mich.
Vulcan Fuel Economy Co., 828 B. Transportation bldg., Chicago, Ill.
Vulcan Hardware Co., Springfield, Ohio.
Vulcan Iron Wks. of Eastern Malleable Iron Co., New Britain, Conn.

VULCAN IRON WORKS CO., Denver, Colo.

Vulcan Iron Wks., Inc. (Dredges), Hudson St., Jersey City, N. J.
Vulcan Iron Works, Inc., Francis Co., & Kearney, San Francisco, Cal.
Vulcan Iron Works, 67 John St., New Britain, Conn.
Vulcan Iron Works, machsts. & fndrs. & mill & facty. supps., Cairo, Ill., & S 2d, Memphis, Tenn.
Vulcan Iron Works, 327 N. Irving Ave., Chicago, Ill.
Vulcan Iron Works, Wilkes-Barre, Pa.
Vulcan Iron Wks., Hogans Creek, Jacksonville, Fla.
Vulcan-Louisville Smelting Co., 400 N. Michigan Ave., Chicago.

VULCAN MACHINE WORKS, canning machy., 90 N. 4th, Portland, Ore.

Vulcan Manufacturing Co., 1200 4th Ave., South, Seattle, Wash.
Vulcan Mfg. Co., Fond du Lac, Wis.
Vulcan Mfg. Co., The, Independence, Mo.
Vulcan Motor Axle Co., 7881 Conant, Detroit, Mich.
Vulcan Plow Co., Evansville, Ind.
Vulcan Rail & Construction Co., Grand St. & Garrison Ave., Maspeth, N. Y.
Vulcan Refractories Co., brick, Bolivar, Pa.
Vulcan Rivet Corp., Birmingham, Ala.
Vulcan Rubber Co., Erie, Pa.

VULCAN SHEET METAL & MFG. CO., exhaust piping, smoke flues, etc., 45 Fulton, New York.

Vulcan Soot Cleaner Co., The, DuBois, Pa.
Vulcan Stamping & Mfg. Co., 4036 W. Lake St., Chicago.

VULCAN STEAM FORGING CO., 221-253 Rano St., Buffalo, N. Y.

Vulcan Supply Co., mill & facty. supplies, 120 Sycamore, Cincinnati, Ohio.
Vulcan Tool Co., dies, etc., 418 E. First, Dayton, Ohio.
Vulcan Tool Mfg. Co., 41 Liberty St., Quincy, Mass.
Vulcanite Portland Cement Co., Land Title bldg., Philadelphia, Pa.
Vulcanite Roofing Co., Beaver rd., Buffalo, N. Y.
Vulcanite Roofing Co., 110 E. 42d, New York.
Vulcanized Rubber Co. of New York, 251 4th Ave., New York.
Vulcweld Tire & Rubber Co., The, Pottstown, Pa.
Vulvan Last Co., Portsmouth, Ohio.
Vuono Coustr. Co., 303 Main, Stamford, Conn.
Vuytech, J., contr., Collinsville, Ill.
W. S. Truck Co., auto bldrs., Birmingham, Mich.
Waage Electric Co., The, 5100 N. Ravenswood Ave., Chicago.
Waas, Henry Co., wood faucets, 1861 Mission, San Francisco, Calif.
Wabash Cabinet Co., Wabash, Ind.
Wabash Canning Co., Wabash, Ind.
Wabash Coating Mills, Wabash, Ind.
Wabash Construction Co., Wabash, Ind.
Wabash Foundry Co., Wabash, Ind.
Wabash Mfg. Co. machsts., coaster wagons, 19 & Buckeye, Terre Haute, Ind.
Wabash Portland Cement Co., 1824 Ford Bldg., Detroit, Mich.
Wabash Screen Door Co., The, 111 W. Washington St., Chicago.
Wabash Truss Hoop Co., Mount Carmel, Ill.
Wabasha Roller Mill Co., flour, Wabasha, Minn.
Wabers Mfg. Co., machsts., agric'l impimts., Racine, Wis.
Wabi Iron Wks., Ltd., New Liskeard, Ont., Can.
Waccamaw Lumber Co., Bolton N. C.
Wacco Supply Co., steam fitters' supplies, 30 Marginal, East Boston, Mass.

WACHS CO., THE E. H., 1535 Dayton St., Chicago.
Pres.—Charles L. Wachs.
V. P.—Edw. H. Wachs.
Sec.—Thos. Wachs.
Treas.—O. A. Wachs.

Wachsmuth Lbr. Co., Bayfield, Wis., & 2201 Laflin, Chicago, Ill.
Wachusett Thread Co., Middle River rd., Worcester, Mass.
Wackman Welded Wire Co., steel barrels, 615 Victor, St. Louis, Mo.
Waclark Wire Co. (now American Copper Products Corp.), New York.
Waco Canning Co., Waco, Ky.
Waco Mach. & Supply Co., Waco, Tex.
Waco Mattress Factory, Waco, Tex.
Waco Mill & Elevator Co., flour, Waco, Tex.
Waddell & Co., R. J., 52 Beekman St., New York.
Waddell Co., coffee mills, Greenfield, Ohio.
Waddell Mfg. Co., 1 Taylor St., N. E., Grand Rapids, Mich.
Waddell Motor Corp., engine pistons, 561 Frelinghuysen av., Newark, N. J.
Waddell-Williams Lumber Co., Rhoda, La.
Waddell's House Furn. Co., Dept. H, Houston, Texas.
Waddington & Holme, canned goods, Naylors, Va.
Waddington, R., & Son, contrs., 617 Adam, Hoboken, N. J.
Wade & Bell, lumber, Trenton, Fla.
Wade & Co., R. M., 322 Hawthorne Ave., Portland, Ore.
Wade American Tool Co., bench lathes, pinion cutters, profiling, machy., etc., Waltham, Mass.
Wade Button Co., 55 Sudbury, Boston, Mass.
Wade, G. W., cornices & skylights, North Yakima, Wash.
Wade Iron Sanitary Mfg. Co., 551 Fulton St., Chicago.
Wade Lbr. Co., Eugene, Fla.
Wade, Levi C., rubber molds, 652 Summer, Lynn, Mass.
Wade Mfg. Co., auto binding & gimps, Brockton, Mass.
Wadel-Connally Hardware Co., Tyler, Tex.
Wadhams, F. L., & Sons, lumber mfrs., Torrington, Conn.
Wadhams Oil Co., 359 Clinton St., Milwaukee, Wis.
Wadley & Smythe, landscape architects, 491 5th av., New York.
Wadman, C. G., auto tops, Bakersfield, Calif.
Wadsworth & Son, David, Auburn, N. Y.
Wadsworth & Woodman Co., oil cloth mfrs., Winthrop, Me.
Wadsworth Brick & Tile Co., Wadsworth, O.
Wadsworth Clothing Cabinet Co., Painesville, Ohio.
Wadsworth Core Machine & Equipment Co., 10 W. Buchtel, Akron, Ohio.
Wadsworth Electric Mfg. Co., Covington, Ky.
Wadsworth-Howland Co., 225 N. Carpenter St., Chicago.
Wadsworth, Howland & Co., Inc., 139 Federal, Boston, Mass.
Wadsworth Mfg. Co., auto metal bodies, wheels, oil engines, etc., 155 W. Congress, Detroit, Mich.
Wadsworth Novelty Mfg. Co., push buttons, Wadsworth, Ohio.
Wadsworth, S. L., & Son, whol. hardware, Eastport, Me.
Wadsworth Salt Co., Wadsworth, O.
Wadsworth Stone & Paving Co., P. R. R. & Lambert St., Pittsburgh, Pa.
Wadsworth, T. M., lbr., Gladwater, Tex.
Wadsworth, W. Bradford, architect, 839 Beaver, Boston, Mass.
Wadsworth Watch Case Co., Dayton, Ky.
Waechtler, Walter E., dies & spec. machy., 204 1st, San Francisco, Calif.
Waelde, Herman, disinfectants, 732 Frankfort av. N. W., Cleveland, Ohio.
Waetjen, Geo. L., & Co., panels & veneer, 717 Park, Milwaukee, Wis.
Wagar, David P., stone producers, Middletown, N. Y.
Wagemakers Co., 454 So. Market St., Grand Rapids, Mich.
Wagenbach, Jos., & Son, bldg. contrs., Lawrence, Mass.
Wagenen, L. B., dock builders, Urbanna, Va.
Wagener & Co., John O., 420 Pine St., Easton, Pa.
Wagener Steam Pump Co., Cook Ave. S. W. & B. & O. R. R., Canton, O.
Wagenfohr, Chas., Sr., die sinker, 140 W. Broadway, New York.
Wagenfuehr Bookbinding Co., F. A., 222 S. Eighth St., St. Louis, Mo.
Wagenheim, J. M., & Son, contrs., Newark, Ohio.
Wagenhorst & Co., J. H. (Now Photogenic Machine Co., The), Youngstown, O.
Wagenlander, Jos., cornices, Newport, Ky.
Waggner, Lewis, Co., lumber mfrs., Wolfe & Thames, Baltimore, Md.
Waggoner Extension Ladder Co., 106 S. Aurora, Stockton, Calif.
Waggoner-Gates Milling Co., flour, Independence, Mo.
Waggoner Sanatory Fire Bucket Co., 400 Monticello Ave., Chicago.
Wagner & Bauman, contrs., Monroe, Wis.
Wagner & Co., Edwin H., Arcade Bldg., St. Louis, Mo.
Wagner & Wilson, lbr., Monroe, Wash.
Wagner, A. F., Arch'l Iron Works, 763 N. Walter, Milwaukee, Wis.
Wagner Architectural Iron Works, A. F., 763 N. Water St., Milwaukee, Wis.
Wagner Bros. Hdwe. Co., Hazelton, Pa.
Wagner Bros., cornices, 1010 Diversey Parkway, Chicago, Ill.
Wagner, C. B., Hardware Co., Burlington, Wis.
Wagner, C. De Witt, clips, shears, Cedar Rapids, Ia.
Wagner, C. P., & Co., lubrg. oils, 917 Pasadrome, Cincinnati, Ohio.
Wagner, Carl H., 1944 N. Albany Ave., Chicago.
Wagner, Chas., Machy. Co., Inc., machsts., 51-55 Park av., Hoboken, N. J.

WAGNER COMPANY, ARTHUR, (Motors), 701 W. Washington Blvd., Chicago.

Wagner Co., Inc., Chas. A., 810-812 Noble St., Philadelphia, Pa. (Chemicals, etc.)
Wagner Const. Co., Inc., Call bldg., San Francisco, Calif.
Wagner Curtain Stretcher Co., Greensburg, Pa.
Wagner Electric Mfg. Co., 6400 Plymouth, St. Louis, Mo.
Wagner Fire Brick Co., Scranton, Pa.
Wagner, Frank L., contractor, 1336 N. Y. av. N. W., Washington, D. C.
Wagner Furn. Co., Dept. H, Herkimer, N. Y.
Wagner, G. N., Lbr. & Shingle Co., Grand Rapids, Mich.
Wagner, Gilbert A., elec. contr., Stafford Springs, Conn.
Wagner Glass Works, 697 E. 132nd St., New York.
Wagner Hardware Co., The, Mansfield, O
Wagner, Henry A., 742 Kingsland, St. Louis, Mo.
Wagner, Hy., stone products, Dubuque, Ia.
Wagner Leather Co., Stockton & 59 2d, San Francisco, Calif.
Wagner Lumber Co., Dover, Ohio.
Wagner, M., Co., canned goods, Pratt st., Wharf, Baltimore, Md.
Wagner Malleable Iron Co., castings, Decatur, Ill.

WAGNER MFG. CO., Cedar Falls, Ia.
Representatives:
ALA.—Birmingham—C. M. McCrum Co., 848 Brown-Marx Bldg.
CAL.—Los Angeles, Bayer-Rothgeb Co., Slauson & Santa Fe Ave., South 450.
San Francisco—Sartorius Co., 15th & Utah Sts., Market 1329.
CONN.—New Haven—A. R. Kirschner Co., 153 Court St.
GA.—Atlanta—George Dowman, 610 Walton Bldg.
ILL.—Chicago—W. W. Etzbach, 327 S. La Salle St., Wabash 8246.
LA.—New Orleans—American Sheet Metal Works, Carrollton & Edinburgh Aves.
MICH.—Detroit—E. A. Hawks, 1414 Dime Bldg.
MINN.—St. Paul—Chandler, Whitmore & Co., 202 Zenith Bldg., Cedar 2870.
MO.—Kansas City—Southwest Wire & Iron Works, 1722 Tracy, Harrison 0847.
St. Louis—R. D. Harned, 1958 Railway Exchange Bldg., Olive 5989.
MONT.—Billings—Richardson-Adams Co., Electric Bldg.
Butte—Richardson-Adams Co., 214 Metal Bank Bldg.

(Continued on following page)

WAGNER MFG. CO.—Continued.
N. Y.—Albany—George S. Woodard, 50 Beaver St.
New York—H. Robert Cullmer, 49 W. 45th St., Madison Square 6384.
O.—Cleveland—J. S. McWatters, 71st and Euclid Ave., Randolph 1509.
PA.—Philadelphia—E. A. Shallcross.
TENN.—Memphis—Akers & Co.
TEX.—Fort Worth—Collinsville Mfg. Co., 1009 East Front St.
UTAH—Salt Lake City—Crager Wire & Iron Works, 531 State St.
WASH.—Seattle—S. W. R. Daily, 332 Pioneer Bldg.

Wagner Mfg. Co., 5205-09 Euclid Ave., Cleveland, O.
Wagner Mfg. Co., E. R., North Milwaukee, Wis.
Wagner Mfg. Co., James, 165 Beale St., San Francisco, Calif.
Wagner Mfg. Co., Sidney, O.
Wagner Mercantile & Mfg. Co., lumber, Suring, Wis.
Wagner, Peter, & Son, contractors, 384 Herman, Buffalo, N. Y.
Wagner Process Co., ice cream cans, Dept. H, Lansdale, Pa.
Wagner Specialty Co., calf weavers, Burlington, Wis.
Wagner Spring Bed Co., Holyoke, Mass.
Wagner Supply Co., Inc., W. T., Waggoner Bldg., Fo. Worth, Tex.
Wagner, Thos. A., lime mfrs., Myerstown, Pa.
Wagner, W. S., & Son, contrs., Butler, Pa.
Wagner-Woodruff Co., elec. fixtures, 830 S. Olive, Los Angeles, Calif.
Wagner's, J. F., Sons Co., cornices, Louisville, Ky.
Wagner's Sons Co., J. F., 1145 7th St., Louisville, Ky.
Wagniere Mfg. Co., dies, stamping, spec. machy., etc., 1011 E. Slauson av., Los Angeles, Calif.
Wagoner, J., canned goods, 516 N. 2d, St. Louis, Mo.
Wagoner Lbr. Co., veneer, Dept. H, Pamlico, S. C.
Wag's Chemical Co., pharmaceuticals, soaps & insecticides, 521 S. Gray, Knoxville, Tenn.
Wagstaff, W. J., lumber, Oshkosh, Wis.
Wahl Company, The, 1800 Roscoe St., Chicago. (Addin. Machines & Eversharp Pencils.)
Wahl, Emil, Mfg. Co., bone buttons, Pulaski av. & Ruffner, Philadelphia, Pa.
Wahl Mfg. Co., transformers & vibrators, Sterling, Ill.
Wahl Trunk Co., Eau Claire, Wis.
Wahle-Phillips Co., elec. & gas light fixtures, 101 Park av., New York.
Wahlfeld Mfg. Co., plate glass, Peoria, Ill.

WAHLSTROM TOOL CO., 5520 Second Ave., Brooklyn, N. Y.
Distributors:
ALA.—Birmingham—Young & Vann Supply Co.
CALIF.—Los Angeles—De Long-Almquist Co.
San Francisco—E. B. Sutton & Co., Douglas 1540.
COLO.—Denver—Hendrie & Bolthoff Co.
CONN.—Bridgeport—Hawley Hardware Co.
Hartford—Purinton & Smith.
New Haven—Mersick & Co.
FLA.—Jacksonville—J. G. Christopher.
Tampa—Knight & Wall Co.
GA.—Atlanta—J. M. Tull Rubber & Supply Co.
Savannah—Pierce, Butler & Pierce Mfg. Co.
ILL.—Chicago—Eugene Goller Co., Monroe 4814.
IND.—Evansville—Evansville Supply Co.
Indianapolis—Vonnegut Hardware Co.
LA.—New Orleans—Woodward, Wight & Co.
MD.—Baltimore—Kemp Machinery Co.
Hagerstown—Foltz Mfg. & Supply Co.
MASS.—Boston—Chandler & Farquhar Co., Main 7670.
Springfield—Carlisle Hardware Co.
Worcester—Duncan & Goodell Co.
MICH.—Detroit—Boyer-Campbell Co., Cadillac 3260.
T. B. Rayl Co., Cherry 5000.
Chas. A. Strelinger Co., Cadillac 7080.
Grand Rapids—McMullen Machinery Co.
Saginaw—Morley Bros.
MINN.—Duluth—Kelly-How-Thomson Co.
MO.—St. Louis—Colcord-Wright Machinery & Supply Co., Olive 4885.
N. C.—Charlotte—Textile Mill Supply Co.
N. Y.—Buffalo—L. F. Seltenreich, Seneca 1525.
Rochester—Homer Strong Co.
Syracuse—Barnes & Irving.
O.—Cincinnati—E. A. Kinsey Co.
Cleveland—Cleveland Tool & Supply Co.
Dayton—E. A. Kinsey Co.
Toledo—Coghlin-Kirkby Machinery Co.
ORE.—Portland—Harry M. Euler Co.
PA.—Altoona—Standard Supply & Equipment Co.
Erie—United Hdwe. Co.
Palace Hdwe. Co.
Philadelphia—Standard Supply & Equipment Co., Columbia 6400.
Pittsburgh—C. S. Kyle Co., Court 3554.
Standard Supply & Equipment Co.
York—H. B. Mehring & Co.
R. I.—Providence—B. & H. Supply Co.
S. C.—Columbia—Lorick & Lowrence.
S. D.—Sioux Falls—Dakota Iron Store.
TEX.—El Paso—Mine & Smelter Supply Co.
Houston—Peden Iron & Steel Co.
San Antonio—Peden Iron & Steel Co.
Sherman—Hardwicke-Etter Co.
UTAH—Salt Lake City—Mine & Smelter Supply Co.
VA.—Norfolk—Empire Machinery & Supply Co.
Richmond—Smith-Courtney Co.
WASH.—Seattle—Seattle Hardware Co.
Spokane—General Machinery Co.
WIS.—Milwaukee—Ph. Gross Hardware Co.
Foreign:
CAN.—Hamilton, Ont.—Wilkinson & Kompass.
Montreal, Que.—Williams & Wilson.
Ottawa, Ont.—General Supply Co. of Canada.
Toronto, Ont.—Aikenhead Hardware Co.
Vancouver, B. C.—A. R. Williams Machine Co.

Wahn Co., Geo. H., 69 High St., Boston, Mass.
Wailes Dove-Hermiston Corp., 17 Battery Pl., New York.
Wainwright Engineering Corp., Connersville, Ind.
Wainwright, Jno. C. A., foundry facings, Spring City, Pa.
Wainwright, R., tex. machy. (roll coverers), Westpoint, Ga.
Wait, A. L., mill & facty. suppe., 409 S. Blvd., Tulsa, Okla.
Wait, Ch. S., lumber, Londonderry, Vt.
Wait, E. R., Shingle Co., Port Angeles, Wash.
Wait, F. W., Lime Co., Glens Falls, N. Y.
Wait Furn. Co., Dept. H, Portsmouth, Ohio.
Wait Lime Co., F. W., Glens Falls, N. Y.
Waite & Bartlett Mfg. Co., 55 Jackson Ave., New York
Waite Auto Supply Co., 64 Exchange Pl., Providence R. I.
Waite Chair Co., Baldwinsville, Mass.
Waite Grass Carpet Co., Oshkosh, Wis.
Waite, H. B., Lbr. Co., Security bldg., Minneapolis, Minn.
Waite Hardware Co., 189 Front St., Worcester, Mass.
Waite Lumber Co., H. B., Security Bldg., Minneapolis, Minn.
Waite Mill & Timber Co., Granite Falls, Wash.
Waite-Thresher Co., sewing thimbles, Abbot Park pl., Providence, R. I.
Waitt Constr. Co., 2 W. 45th, New York.
Wake Forest Foundry Co., Wake Forest, N. C.
Wake Machine Works, Cardenas, N. C.
Wakefield Brass Co., The, F. W., Vermilion, O.
Wakefield, C. C., & Co., Ltd., lubricating oils, 74 Cortlandt, New York.
Wakefield, Clarence E., 474 Grove St., Worcester, Mass.
Wakefield, E. C., machst. & fndr., Cherryfield, Me.
Wakefield, F. W., Brass Co., machsts. & fndrs., Vermilion, Ohio.
Wakefield, Jas. W., machst. & fndr., Theresa, N. Y.
Wakefield, John E., Co., contrs., 454 Brandeis Theatre bldg., Omaha, Neb.
Wakefield Lumber Co., Wakefield, R. I.
Wakely, Archibald S., & Son, carriages, Milford, Mich.
Wakeman, Frank M., lumber mfrs., South Stockton, N. Y.
Wakeman, R., & Son, cotton felt mattresses, Saugatuck, Conn.
Walborn & Barney, contractors, Wilkes-Barre, Pa.
Walbridge & Co., 392 Main, Buffalo, N. Y.
Walbridge & Taylor, mill & facty. supplies, Peterboro, N. H.
Walbridge, Aldinger Co., contrs., Penobscot bldg., Detroit, Mich.
Walbroehl & Co., light fixture mfrs., 2718 Myrtle av., Brooklyn, N. Y.
Walbut Mfg. Co., Inc., New York.
Walck, Henry S., agricultural implements, Greencastle, Pa.

WALCOTT BEDWELL HANDLE CO., 111 N. Second St., St. Louis, Mo.

Walcott Lathe Co., Jackson, Mich.
Walcutt Bros. Co., wall pockets, 141 E. 25th, New York.
Wald Electric Mfg. Co., 248 N. 10th St., New York.
Waldeck, Anthony, machst. & fndr., 7607 Broadway, Cleveland, Ohio.
Waldeck, E., & Co., onyx souvenir plaques, Jersey City, N. J.
Waldeck Pckg. Co., meat packers, Montrose & La Salle, St. Louis, Mo.
Walden Knife Co., Walden, N. Y.

WALDEN-WORCESTER, INC., 475 Shrewsbury St., Worcester, Mass.
Branch Offices:
Chicago, Ill.—452 Monadnock Bldg.
Detroit—General Motors Bldg.
New York—295 Broadway.
San Francisco, Cal.—707 Monadnock Bldg.

Waldenberger Harness & Trunk Co., Little Rock, Ark.
Walder, Jacob, mill & facty. supplies, Paterson, N. J.
Waldes & Co., buttons, fasteners, 3 W. 29th & L. C., New York.
Waldhauer, Stevens Co., cornices & skylights, 1721 Nostrand av., Brooklyn, N. Y.
Waldman, J. J. (Desk Clamps), New York.
Waldner, Adam, lbr., sashes, doors & blinds, Ashland, Pa.
Waldo Bros. & Bond Co., 181 Congress St., Boston, Mass.
Waldo Canning Co., Waldo, Wis.
Waldo Co., silk shades & holders, etc., 19 W. 24th, New York.
Waldo, E. M. & F., color mfrs. (selling agts.), 11 Broadway, New York.
Waldorf Paper Products Co., box boards, boxes, cases & labels, St. Paul, Minn.
Waldron Co., John, New Brunswick, N. J.
Waldron, E. M., & Co., contractors, 84 S. 6th, Newark, N. J.
Waldstein Lumber Co., 7th & Victor, St. Louis, Mo.
Wales Adding Machine Co., Wilkes-Barre, Pa.
Wales, George E., canned goods, Newton Center, Mass.
Wales Hardware Co., Ltd., Corry, Pa.
Walger & Sons Co., Wm. (Awnings) 1441 Montrose Ave., Chicago.
Walger Awning Co. (Now Shurlox Awning & Shade Co.), Chicago.
Walgren Bros., contrs., 3048 10th av. S., Minneapolis, Minn.
Walke Co., Henry, Norfolk, Va.
Walker & Chambers, 222 E. 41st St., New York.
Walker & Co., J. S., 121 N. 4th St., Louisville, Ky.
Walker & Co., O. S., 12 Westland St., Worcester, Mass.
Walker & Curley Co., contractors, Bessemer bldg., Pittsburgh, Pa.
Walker & Elliott, machsts., 2d & Lombard, Wilmington, Del.
Walker & Frank Brick Co., Dix & Lonyo rd., Detroit, Mich.
Walker & Kepler Co., 531 Chestnut St., Philadelphia, Pa.
Walker & Pratt Mfg. Co., 31 Union, Boston, Mass.
Walker & Son, Thos., 4617 Tacony St., Philadelphia, Pa.
Walker & Werner, auto wood bodies, Peoria, Ill.
Walker Bin Co., store fixtures, Penn Yan, N. Y.
Walker Brick Co., Hay, Farmers Bank Bldg., Pittsburgh, Pa.
Walker Bros., canned goods, Aberdeen, Md.
Walker Bros., flour mill, Hillsboro, N. C.
Walker Bros. Co., fertilizer, Griffin, Ga.
Walker, C. Howard, & Son, architects, 120 Boylston, Boston, Mass.
Walker, C. W., archt., First Nat'l Bank bldg., W. Broad Stratford, Bridgeport, Conn.
Walker, C. W., Sons & Co., mill & facty. supplies, 288 Market, Newark, N. J.
Walker, Chas. H., Mach. Co., gear tooth rounding machy., 819 Lawton, Detroit, Mich.
Walker, Chas. W., Sons & Co., mill & facty. supplies, 288 Market, Newark, N. J.
Walker Chemical Co., The, House Bldg., Pittsburgh, Pa.
Walker Co., Henry L., 185 East Jefferson Ave., Detroit, Mich.
Walker Co., John L., Hamilton, O.

WALKER CO., WILLIAM S., 227 Oliver Bldg., Pittsburgh, Pa.

Walker County Lumber Co., Elmina, Tex.
Walker Creamery Products Co., Warren, Pa.
Walker Cut Stone Co., producers, whol., & dlrs., Tacoma, Wash.
Walker Dishwasher Corp., 225 Walton St., Syracuse, N. Y.
Walker Draft Gear Corp., 233 Broadway, New York.
Walker Electric Co., 1020 W. Susquehanna St., Philadelphia, Pa.
Walker Foundry Co., Erie Pa.
Walker, Frank R., Co., trade pub., 536 Lake Shore Drive, Chicago, Ill.
Walker, G. C., lumber, Warthen, Ga.
Walker, H. C., & Co., flour mills, Bradfordsville, Ky.
Walker, H. E., & Bro., lumber, Barree, Pa.
Walker, H. L., Co., electric & gas light fixtures, 27 E. Jefferson av., Detroit, Mich.
Walker Hardware Co., Isaac, Peoria, Ill.
Walker, I. J., flour mills, Williston, Tenn.
Walker, Isaac, Hardware Co., Peoria, Ill.
Walker, J. C., & Sons Co., fertilizer mfrs., Gap, Pa.
Walker, J. E., granite, St. Johnsbury, Vt.
Walker, Jas., & Co. (Ltd.), packing mfrs., 46 West, New York.
Walker, Jas., & Son, coppersmiths, 315 Jefferson av., Detroit, Mich.
Walker, Jas., Co., mill & factory supplies & marine hdwe., 123 Light, Baltimore, Md.
Walker, Jno., flour mills, Dandridge, Tenn.
Walker, Jos., granite, Quincy, Mass.
Walker, L. P., lumber, Hartford, Mich.
Walker Lithograph & Publishing Co., 400 Newbury St., Boston, Mass.
Walker Lumber Co., R. D., 833 City Bank Bldg., Mobile, Ala.
Walker, M. A., & Co., mill & facty. supplies, Covington, Tenn.
Walker Machine & Foundry Corp., Roanoke, Va.
Walker Mfg. & Supply Co., Shelby & Woodbridge Aves., Detroit, Mich.
Walker Mfg. Co., 288 Market St., Newark, N. J.
Walker Mfg. Co., 2156 15th St., Denver, Colo.
Walker Mfg. Co. (Implements & Hardware Spec.), Council Bluffs, Ia.
Walker Mfg. Co., Ontario & Kensington, Philadelphia, Pa.
Walker Manufacturing Co., Racine, Wis.
Walker Mfg. Co. (Water Works Machy., etc.), Fenton, Mich.
Walker, Marion M., & Son, contractors, Alexandria, Ind.
Walker, P. J., Co., contractors, Sharon bldg., San Francisco, Calif.
Walker, P. M., & Co., flour mills, Loogotee, Ind.

WALKER PLUMBIZED CO., THE, (Lead Coated Pails, Etc.) Batavia, N. Y.
Distributors:
COLO.—Denver—Denver Fire Clay Co.
ILL.—Chicago—Lee G. Stein & Co., 177 N. Franklin St., Main 2893.
MASS.—Holyoke—J. Russell & Co.
Peabody—A. H. Whidden & Son, Inc.
Pittsfield—Berkshire Mill Supply Co.
N. Y.—Cohoes—Sweet & Doyle.
Hudson—Jones & Hardy.
New York—Sholes Inc., 186 LaFayette St.
OHIO—Cleveland—Geo. Worthington Co.
R. I.—Providence—Gilbert Mill Supply Co.
CAN.—Montreal, Que.—Whitehead Emmons, Ltd., 285 Beaver Hall Hill.

Walker, R. M., & Co., contrs., Grant bldg., Atlanta, Ga.
Walker, R. W., patterns & models, Lawrence, Mass.
Walker, Robt. J., sash, door & blind, Osceola Mills, Pa.
Walker Sand Co., West Springfield, Pa.
Walker Steel Co., Wm. J., 1722 Columbus Rd., Cleveland, O.
Walker-Stewart Foundry Corp., Plantsville, Conn.
Walker Stratman & Co., fertilizer mfrs., Herrs Island, Pittsburgh, Pa.
Walker, T. M., Co., sash, door & blind mfrs., 41 Market, Springfield, Mass.
Walker Vehicle Company, State & 37th Sts., Chicago.
Walker Veneer Works, Alpena, Mich.
Walker, W. & H., Herrs Island, Pittsburgh, Pa.
Walker, W. J., Steel Co., 1722 Columbus rd., Cleveland, Ohio.
Walker, W. S., machy. dlrs. & imp., Rockville, Mo.
Walker, W. W., Milling Co., rye flour, Alden, Minn.
Walker Wells Co., auto bodies, Amesbury, Mass.
Walker's Mills Stone & Brick Co., Pittsburgh, Pa.
Walker's Son & Co., Chas. W., 288 Market St., Newark, N. J.
Walkerton Milling Co., flour, Walkerton, Va.
Walkerville Dressed Meat Co., Walkerville, Mont.
Walkup, A. M., Co., contractors & bldrs., American Nat. Bk. bldg., Richmond, Va.
Wall, C. M., & Son, lbr., Southmont, N. C.
Wall, J. F., & Son, wrapping paper, Walpole, Mass.
Wall Co., A. T., 162 Clifford St., Providence, R. I.

WALL MFG. SUPPLY CO., P., 3060-3096 Preble Ave., N. S., Pittsburgh, Pa.
Distributors:
ALA.—Anniston—Anniston Hdwe. Co.
Bessemer—Long-Lewis Hdwe. Co.
Birmingham—Moore-Handley Hdwe. Co.
Montgomery—Lum Machinery & Supply Co.
ARIZ.—Phoenix—Palace Hdwe. & Arms Co.
ARK.—Fort Smith—Atkinson-Williams Hdwe. Co.
Bruce-Rogers Co.
Little Rock—Crow-Burlingame Co.
Pine Bluff—Arkansas Mill Supply Co.
Texarkana—Turner Auto Supply Co.
CAL.—Long Beach—American Wholesale Hdwe. Co.
Los Angeles—Ducommun Hardware Co.
Eccles & Davies.
New York Hdwe. Trading Co.
Reiman Wholesale Elec. Co.
Sacramento—Thompson-Diggs Co.
San Diego—Machinery Pipe & Supply Co.
Western Metal Supply Co.
San Francisco—Dalziel Moller Co., 556 Mission St., Sutter 3232.
Theo. H. Davis Co., Ltd.
Electric Appliance Co., 807 Mission St., Sutter 4900.
Ed. Jones Hdwe. & Tool Co., 1172 Market St., Market 1458.
Joost Brothers, Inc., 1053 Market St., Market 891.
M. Stulsaft Co., 647 Mission St., Sutter 5074.
George H. Tay, 165 8th St., Hemlock 3000.
W. R. Voorhees & Co., The, Call Bldg., Sutter 6574.
Western Elec. Co., 680 Folsom, Sutter 6546.
San Jose—San Jose Hardware Co.
CONN.—Hartford—Hartford Elec. Supply Co.
Southern New England Elec. Co.
New Haven—Western Elec. Co.
Norwich—Norwich Plumbing Supply House.
Wallingford—Dickerman Hdwe. Co.
Waterbury—New England Engr. Co.
COLO.—Colorado Springs—Lowell Moservy Hardware Co.
Denver—M. L. Foss.
Hendrie & Bolthoff Mfg. Co.
M. A. Leight.
Grand Junction—Biggs-Kurtz Hdwe. Co.
Trinidad—Branson-Briswald Hdwe. Co.
DEL.—Wilmington—Delaware Elec. & Sup. Co.
DIST. OF COL.—Washington—W. F. & F. B. Weaver.
FLA.—Jacksonville—J. G. Christopher Co.
Florida Hardware Co.
S. B. Hubbard Co.
Western Electric Co.

(Continued on following page)

WALL MFG. SUPPLY CO., P.—Continued.
Miami—Cameron-Barkley Co.
Railey Milan Hdwe. Co.
Tampa—G. Norman Baughman Co.
C. W. Greene Co.
Knight & Wall Co.
D. F. Owen Co.
Pierce Electric Supply Co.
Tampa Hardware Co.
Wholesale Auto Supply House.
GA.—Atlanta—J. M. Alexander & Co.
Barrett-Watson Co.
Beck & Gregg Hdwe. Co.
Crumley-Sharp Hdwe. Co.
Fulton Supply Co.
Grinnel Company.
King Hdwe. Co.
Southern Belting Co.
J. M. Tull Rubber & Sup. Co.
Western Elec. Co.
Augusta—Bowen Bros. Hdwe. Co.
Lombard Iron Wks. & Sup. Co.
Macon—Corbin Supply Co.
Rome—Battey Machinery Co.
Savannah—Georgia Supply Co.
Savannah Supply Co.
Western Elec. Co.
Valdosta—Strickland Hdwe. Co.
IDA.—Lewiston—Erb Hardware Co.
ILL.—Chicago—W. D. Allen Mfg. Co., 566 W. Lake St., Main 0473.
Geo. B. Carpenter Co., 436 N. Wells St., Franklin 6000.
H. Channon Co., 149 N. Market St., Franklin 0380.
Crane Co., 836 S. Michigan Ave., Wabash 3120.
Samuel Harris & Co., 114 N. Clinton St., Main 2467.
Hibbard, Spencer & Bartlett Co., 303 N. State St., Central 7280.
McMaster-Carr Supply Co., 174 Market St., Franklin 6161.
Machinists Supply Co., 19 N. Jefferson St., Main 0554.
Metropolitan Hdwe. Co., 555 S. State St., Harrison 2139.
Rollins Supply Co., 17 W. Kinzie St., Central 2884.
Stebbins Hardware Co., 15 W. Van Buren St., Harrison 8400.
A. T. Stewart, 180 N. Market St., Franklin 3627.
Ottawa—Jordon Hardware Co.
Rockford—Swords Brothers.
South Chicago—Great Lakes Supply Co.
Springfield—W. B. Miller & Son.
IND.—Fort Wayne—National Mill Supply Co.
Indianapolis—Central Supply Co.
Indianapolis Belting & Supply Co.
Western Electric Co.
Richmond—Jones Hardware Co.
Vincennes—Liberty Hdwe. Co.
KAN.—Atchison—Thayer Supply Co.
KY.—Louisville—E. D. Morton & Co., Inc.
Neill-La Viele Supply Co.
LA.—Baton Rouge—Fuqua Hardware Co.
Lake Charles—Murray-Brooks Hdwe. Co.
Monroe—Monroe Auto & Supply Co.
Monroe Hdwe. Co.
Southern Hdwe. Co.
Weaks Supply Co.
New Orleans—Cahn & Richards Tool & Supply Co.
Dixie Mill Supply Co.
Globe Supply & Machinery Co.
Interstate Elec. Co.
C. T. Patterson Co.
Standard Supply & Hdwe. Co.
Oliver H. Van Horn Co.
Western Elec. Co.
Whitney Supply Co.
Woodward Wight & Co.
Shreveport—Buckelow Hardware Co.
W. K. Henderson Iron Wks. & Supply Co.
Interstate Electric Co.
MD.—Baltimore—Central Metal & Sup. Co.
Jewel Supply & Equip. Co.
Western Electric Co.
Chestertown—Jones & Satterfield.
Cumberland—Tri-State Mine & Mill Sup. Co.
Hagerstown—Emmert Hdwe. Co.
MASS.—Boston—Chandler & Barber Co., 124 Summer, Main 1658.
Dodge Haley & Co., 218 High St., Main 6116.
Walter C. Gindele, 170 Summer St., Main 5824.
Wm. J. Gindele, 170 Summer St., Main 5824.
F. A. Handy Co.
Mackay-Newcomb Co., 163 Federal St., Congress 4723.
A. K. Mann & Co., 28 Haymarket Sq., Haymarket 5395.
Perkins-Carpenter Elec. Sup.
R. V. Pettingell Elec. & Sup. Co.
Pettingell-Andrews Co.
Vye-Smith Co.
Western Electric Co., 385 Summer St., Congress 2500.
Wetmore Savage Co., 76 Pearl St., Congress 1900.
Fitchburg—Edwin N. Cummings.
Fitchburg Hdwe. Co.
Holyoke—Chase & Cooledge.
J. Russell & Co.
Peabody—Hamblett & Hayes.
Pittsfield—Berkshire Mill Supply Co.
Mountain Elec. Supply Co.
Springfield—W. J. Foss Co.
Chas. E. Lewis Co.
Worcester—Brierly-Lombard Co.
Central Supply Co.
Economy Electric Co.
E. W. Ham Elec. Co.
MICH.—Detroit—Curtis H. Longsdorf, 603 Charlevoix Bldg., Garfield 0021R.
Western Electric Co., 1947 E. Kirby, Melrose 3321.
J. T. Wing & Co., 129 Woodward, Cherry 4820.
Grand Rapids—Foster Stevens Co.
Gleze Hardware Co.
Jackson—Smith-Winchester Co.
Kalamazoo—Charles G. Bard.
Menominee—Northern Hdwe. & Sup. Co.
Muskegon—Peoples Hardware Co.
Towner Hdwe. Co.
MINN.—St. Paul—Price Electric Co.
MISS.—Greenwood—Wade Hardware Co.
MO.—St. Louis—Continental Supply Co., Post Dispatch Bldg., Olive 5025.
Handlan Buck Mfg. Co., 212 N. 3rd St., Main 231.
Hubbell & Sharp, 1216 Chemical Bldg., Olive 6120.
R. H. Myers Hdwe. Co., 3711 N. Broadway, Tyler 656.

WALL MFG. SUPPLY CO., P.—Continued.
N. O. Nelson Mfg. Co., 321 S. Boyle, Lindell 1524.
Geo. A. Rubleman Hdwe. Co., 907 N. 6th St., Main 1146.
St. Louis Machinists Sup. Co., 920 N. Broadway, Olive 1313.
Western Electric Co., 3900 Chouteau, Grand 8200.
MONT.—Butte—Montana Hdwe. Co.
Great Falls—Murphy-Maclay Hdwe. Co.
NEB.—Omaha—Western Electric Co.
N. J.—Asbury Park—F. W. Baker Hdwe. Store.
Snyder & Robbins.
Atlantic City—Hoopes & Van Sant.
Camden—T. Lee Haines.
Hackensack—Romaine Hdwe. Co.
Newark—Wm. S. Roe.
Tri-City Electric Co.
Trenton—Trenton Elec. Supply Co.
N. MEX.—Albuquerque—J. Korber & Co.
Raabe & Mauger.
N. Y.—Albany—Albany Hdwe. & Iron Wks.
Electric Supply & Equip. Co.
Amsterdam—John E. Larrabee Co.
Auburn—Smith & Pearson.
Brooklyn—Eastern Metal Works.
Jacob Lieb.
Lieb & Buchalter Co.
McElraevy & Hauch.
Jacob Muller.
Parr Electric Co.
Saltzer & Weinsier.
Buffalo—Beals McCarthy & Rogers, 50 Terrace, Seneca 2820.
Buffalo Mill Supply Co., 210 Main St., Seneca 1561.
Buffalo Wholesale Hdwe. Co., 317 Washington St., Seneca 4700.
Weed & Co., 95 Swan, Seneca 1818.
Ellenville—Rose & Douglas Co.
Goshen—I. H. Dexter Co.
Glens Falls—J. E. Sawyer & Co.
Hornell—Frank B. Peck Co.
Hudson—Jones & Hardy.
Ithaca—C. J. Ramsey & Co.
Jamaica—James & Hawkins.
Merit Elec. Supply Co.
Jamestown—C. A. Lundquist.
Kingston—Canfield Supply Co.
New York—Alpha Elec. Co., Inc., 151 W. 30th St., Pennsylvania 3400.
E. H. Brinkman, 30 Church St.
Fox Brothers, 126 Lafayette, Canal 9190
Frank Brothers, 53 E. 9th St., Stuyvesant 9124.
M. Glauber & Co., 103 Varck, Canal 0554.
Hanson & Yorke Co.
E. B. Lathan & Co., 550 Pearl St., Franklin 4870.
John J. Leahy Elec. Sup., Inc., 50 Day, Cortland 8985.
Manhattan Elec. Supply Co., 17 Park Place, Barclay 6900.
Manning, Maxwell & Moore, Inc., 100 E. 42nd St., Vanderbilt 6120.
Masback Hdwe. Co., 82 Warren, Barclay 8700.
McMann & Taylor, 104 John, John 6000.
Montgomery & Co., 30 Broad, Broad 6825.
Daniel Morris Co.
Paul Munk & Co., 114 Chambers, Barclay 6992.
New York Plumbers Spec. Co., 334 E. 98th St., Lenox 1248.
Parr Elec. Co., 77 Warren, Barclay 3866.
Patterson Bros., 27 Park Row, Barclay 8320.
Peeless Mfg. & Supply Co., 22 Waren, Barclay 2770.
Plumbers Spec. Co., 296-9th St., Lackwana 4217.
H. A. Rogers, 87 Walker, Franklin 3354.
Royal Eastern Elec. Sup. Co., 114 W. 27th, Lackwana 3600.
A. Shemel & Co., Inc., 60 E. 116th St., University 1660.
John Simmons Co., 110 Centre, Franklin 5000.
Stanley & Patterson, West & Hubert, Canal 5200.
Stroh & Wilson, 420 W. 42nd St., Longacre 1340.
Western Elec. Co., 195 Broadway, Cortland 7700.
Poughkeepsie—J. T. Andrews.
Rochester—Louis Ernst's Sons.
Matthews & Boucher.
Rochester Elec. Sup. Co.
Syracuse—Burhans & Black.
Mohawk Elec. Supply Co.
Robertson-Cataract Elec. Co.
Syracuse Supply Co.
The C. H. Wood Co.
Utica—Chas. Millar & Son Co.
N. C.—Asheville—Asheville Supply & Foundry Co.
Charlotte—Carolina Auto Supply House.
Charlotte Supply Co.
Smith Wadsworth Co.
Southern Hdwe. Co.
Textile Mill Supply Co.
Gastonia—Gastonia Mill Supply Co.
Greensboro—Odell Hdwe. Co.
Odell Mill Supply Co.
New Bern—Mill Supply Co.
Raleigh—Thos. H. Briggs & Son.
Dillon Supply Co.
Washington—Harris Hdwe. Co.
McKeel Richardson Co.
Waynesville—R. N. Barber & Co.
Wilmington—Hyman Supply Co.
Winston-Salem—Brown Rogers Hdwe. Co.
Kester Machy. Co.
O.—Akron—East Akron Hwe. Co.
The Hdwe. & Sup. Co.
Mill & Mine Supply Co.
Cincinnati—Merkel Brothers Co.
Post Glover Elec. Co.
Queen City Supply Co.
L. W. Stewart Sales Co.
Western Elec. Co.
Cleveland—Mau-Sherwood Supply Co.
W. M. Pattison Supply Co.
Strong Carlisle & Hammond Co.
Walworth-Ohio Co.
Geo. Worthington Co.
Columbus—Erner & Hopkins.
Ross-Willoughby Co.
Scioto Valley Supply Co.
Dayton—M. D. Larkin Supply Co.
East Liverpool—Milligan Hdwe. & Sup. Co.
Elyria—Elyria Hdwe. Co.
Hamilton—Spoerl Hdwe. Co.
Marion—Thibaut & Mantz Bros.
Springfield—Springfield Hdwe. Co.
Toledo—Bestwick-Braun Co.
Youngstown—Stambaugh Thomason Co.

WALL MFG. SUPPLY CO., P.—Continued.
OKLA.—Clinton—Welch Wholesale Hdwe. Co.
McAlester—Russell Hdwe. Co.
Oklahoma City—W. H. Pettee & Co.
Tulsa—Gates Nicholas Hdwe. Co.
Machinery & Supply Co.
ORE.—Portland—Avery & Company.
F. R. Chown Hdwe. Co.
Failing & McCalman Co.
M. L. Kline Co.
Marshall-Wells Co.
Preer Tool & Supply Co.
Walworth Oregon Co.
Western Elec. Co.
W. C. Winks.
PA.—Allentown—Wm. H. Taylor & Co.
Altoona—W. I. Dougherty & Son.
Ashland—Peter E. Buck & Son.
Braddock—J. A. Loew Sons.
Coatesville—Bailey Hdwe. Co.
Connellsville—Connellsville Machinery & Sup. Co
DuBois—Hibner-Hoover Hdwe. Co.
Easton—H. P. Kinsey.
East Pittsburgh—Hartstein Hdwe. Co.
Erie—Erie Mfg. & Sup. Co.
Huntingdon—C. H. Miller Hdwe. Co.
Johnstown—Swank Hdwe. Co.
Kittanning—McConnell & Watterson.
Lancaster—Cummings, Bevis & Levan.
Raub Supply Co.
Latrobe—Philip Doherty Hdwe. & Sup. Co.
Lewistown—Arthur M. Dimm.
McKeesport—Brown Bros.
Hartman Hdwe. Co.
Monongahela—H. C. DeVore.
New Kensington—Howells & Fair.
Johnston Hdwe. Co.
A. H. Klingensmith & Sons.
Norristown—Benj. Quillman Hdwe. Co.
Philadelphia—Charles Bond Co., 617 Arch St., Market 3990.
Butterworth Sup. Co., 4200 Kensington, Frankford 1104.
Chas. J. Field's Sons.
Fifer & Beatty, Front and Lehigh, Kensington 1676.
Hahn Bros., Greentown St., Diamond 7877.
Wm. Hoyle's Sons, 452 N. 60th St., Belmont 1065.
Kass Hdwe. Co., 4136 Market St., Baring 0406-J.
Louis A. Loesch Jr., 228 South, Lombard 4292.
Mintzer-Kneisler, 227 Market St., Market 1816.
F. A. Mitchell, 20th & Callowhill, Locust 2389.
Eugene E. Nice, 268 S. 2nd St., Lombard 1877.
John L. Parke Co., 29 N. 7th St., Lombard 7830.
Wm. H. Patton & Assoc., 908 City Center Bldg., Locust 2424.
Philadelphia Elec. Co., 10th & Chestnut St., Walnut 4700.
Powell Clouds & Co., 602 Arch St., Lombard 9168.
H. C. Roberts Elec. Sup. Co., 11th and Race, Filbert 5850.
Sees & Faber Co., 2008 N. Front, Columbia 0530.
Supplee Biddle Hdwe. Co., 513 Commerce, Lombard 8200.
Western Elec. Co., 1601 Glenwood, Columbia 0217.
Pittsburgh—American Hdwe. & Sup. Co., Terminal Bldg., Hemlock 0260.
Bartley Hdwe. Co., 6203 Penn, Hiland 0340.
Chandler-Boyd Sup. Co., 47 Terminal, Hemlock 1860.
Colonial Supply Co., 217 Water, Court 1042.
Doubleday-Hill Elec. Co., 719 Liberty, Grant 1575.
Duquesne-Mine Sup. Co., 3230 Penn, Grant 3831.
Duquesne Supply Co., 100 Grant, Court 0634.
Fort Pitt Elec. Co., 9 Wood, Court 2718.
Fort Pitt Hdwe. Co., 807 Liberty, Grant 1034.
Fort Pitt Sup. Co., 316 2nd Ave., Court 5544.
Frick & Lindsay Co., Sandusky & Robinson, Cedar 5700.
G. J. Huebner Co., 1502 Carns., Hemlock 0393.
Hukill-Hunter Co., 35 Terminal Way, Hemlock 0720.
Iron City Elec. Co., 4627 Baum, Schenly 4890.
Kelly & Jones Co., 135 Water St., Court 0203.
Kops Elec. Sup. Co., 961 Liberty Ave., Grant 5388.
J. C. Lindsay Hdwe. Co., 12 8th St., Grant 0581.
Logan-Gregg Hdwe. Co., 121 9th St., Grant 0724.
W. J. McCullough Electric Co.
Sam'l McKnight Hdwe. Co., 225 Federal, Cedar 0195.
Machinists Sup. Co., 327 2nd Ave., Court 1646.
Oil Well Supply Co., 215 Water St., Court 3268.
Penna. Hdwe. & Paint Co., 6103 Penn, Hiland 3113.
Pittsburgh Gage & Sup. Co., 30th and Liberty, Grant 6600.
Pittsburgh Paint & Sup. Co., 903 Liberty Ave., Smithfield 3005.
Pittsburgh Supply Co., 2 Ross St., Court 4649.
Robbins Elec. Co., 830 Liberty, Grant 6780.
Somers Fitler & Todd Co., 327 Water, Court 4860.
Standard Sanitary Mfg. Co., Bessemer Blvd., Smithfield 0300.
Standard Sup & Equip. Co., 1207 Liberty Ave., Smithfield 0800.
Steiner & Voegtly Hdwe. Co., 230 Diamond, Court 5517.
Bertrand P. Tracy, 919 Fulton, Cedar 2817.
C. A. Turner, 117 3rd Ave., Court 2446.
Union Elec. Co., 933 Liberty Ave., Grant 5810.
Western Elec. Co., 336 4t hAve., Court 3665.
Joseph Woodwell Co., 201 Wood St., Court 1060.
Pottstown—Bailey Hdwe. Co.
Reading—Berks Pain Co., Inc.
Bright & Co.
Stichter Hdwe. Co.
Shamokin—Warren Unger.
Sharon—Fruit-Ohl Co.
Sunbury—Sunbury Hdwe. Co.
Wilkinsburg—Chas. Walmer Hdwe. Co.
R. I.—Providence—Barker Chadsey Co.
Providence Elec. Co.
Providence M. S. Co.
Union Elec. Sup. Co.
S. C.—Anderson—Sullivan Hdwe. Co.
Charleston—Wm. M. Bird & Co.
Cameron & Barkley.
Greenville—Carolina Supply Co.
Textile Sup. Co.

(Continued on following page)

WALL MFG. SUPPLY CO., P.—Continued.
Norris Bros.
Sullivan Markley Hdwe. Co.
Spartanburg—Montgomery & Crawford.
TENN.—Chattanooga—James Supply Co.
Mills & Lupton Sup. Co.
Rogers Bailey Hdwe. Co.
Southern Auto Sup. Co.
Johnson City—Summers Hdwe. Co.
Knoxville—C. M. McClung Co.
Tennessee Mill & Mine Supply Co.
Memphis—Mills-Morris Co.
N. O. Nelson Mfg. Co.
Nashville—Braird Electric Co.
Keith-Simmons Co.
TEX.—Abilene—Ed. S. Hughes Co.
J. P. Wooten Co.
Amarillo—Morrow-Thomas Hdwe. Co.
Austin—W. H. Richardson & Co.
Walter Tips Co.
Beaumont—Norvell-Wilder Hdwe. Co.
E. L. Wilson Hdwe. Co.
Dallas—Briggs Weaver Machy. Co.
Electric Appliance Co.
Ferris Dunlap Auto Sup. Co.
Huey & Phillips Hdwe. Co.
The Murray Co.
Western Electric Co.
Fort Worth—Axtell Company.
Galveston—Black Hdwe. Co.
Houston—Barden Elec. & Machy. Co.
Brazelton & Wesendorff.
F. W. Heitman Co.
Orange—Sabine Supply Co.
Paris—W. F. Dulaney & Sons.
Nat'l Hdwe. & Stove Co.
San Antonio—Krueger Machy. Co.
San Antonio Machy. & Sup. Co.
Straus Frank Co.
Waco—Archenhold Auto Sup. Co.
Herrick Hdwe. Co.
McLendon Hdwe. Co.
Wichita Falls—Maxwell Hdwe. Co.
UTAH—Ogden—Geo. A. Lowe Co.
Salt Lake City—Eureka Machy. Sup. Co.
Salt Lake Hdwe. Co.
U. S. Stores Co.
VT.—Barre—N. D. Phelps Co.
Reynolds & Son.
VA.—Danville—Owens-Merritt Co.
Piedmont Hdwe. Co.
Lynchburg—John E. Ganaway & Co.
Norfolk—Empire Machy. & Sup. Corp.
J. D. Gales Sons.
Norfolk Motor Equip. Co.
Southern Sup. Co.
Taylor-Parker Co.
Tidewater Sup. Co.
Petersburg—Chas. Leonard Hdwe. Co.
Pulaski—Price Hdwe. Co.
Richmond—Benj. T. Crump Co.
James McGraw, Inc.
Smith Courtnay Co.
Sutton Dickerson Hdwe. Co.
E. L. Taylor & Co.
Tower-Binford Elec. Co.
Roanoke—Graves Humphries Co.
Nelson Hdwe. Co.
Staunton—Worthington Hdwe. Co.
Suffolk—Thomas Hdwe. & Sup. Co.
VA.-TENN.—Bristol—Interstate Hdwe. & Sup. Co.
Mitchell-Powers Hdwe. Co.
WASH.—Bellingham—Morse Hdwe. Co.
Seattle—Campbell Hdwe. Co.
Earl H. Jones.
Schawacher Hdwe. Co.
Seattle Hdwe. Co.
Walworth Mfg. Co.
Whiton Hdwe. Co.
Spokane—Jenson King & Boyd Co.
Kilmer & Sons Co.
Tacoma—Henry Mohr Hdwe. Co.
Washington Hdwe. Co.
W. VA.—Bluefield—Bluefield Hdwe. Co.
Bluefield Sup. Co.
Sterling Hdwe. Co.
Superior Sup. Co.
Huntington—Emmons-Hawkins Hdwe. Co.
Wheeling—H. E. Caldabaugh Paint & Glass Co.
Charles H. Berry Sup. Co.
Williamson—Persinger Hdwe. & Furn. Co.
WIS.—Beloit—Gordons Hdwe.
Eau Claire—W. H. Hobbs Supply Co.
Manitowoc—J. L. Stangel Hdwe. Co.
Milwaukee—Mohus Bros.
John Pritzlaff Hdwe. Co.

Foreign:
CANADA—Vancouver, B. C.—MacPherson & Teetzel.
DENMARK—Copenhagen—Alex Stangenburg.

Wall Pump & Compressor Co., Quincy, Ill.
Wall, E. C., Mfg. Co., auto wood bodies, 1504 Vine, Philadelphia, Pa.
Wall-Rogalsky Milling Co., flour, McPherson, Kans.
Wall Rope Works, Inc., 48 South St., New York.
Wall-Spalding Lumber Co., Oshkosh, Wis.
Wall, Wm. G., & Son, contrs., Peoria, Ill.
Walla Walla Iron Works, Inc., Walla Walla, Wash.
Walla Walla Lumber Co., sash, door & blind, Walla Walla, Wash.
Walla Walla Meat & Cold Storage Co., packers, Walla Walla, Wash.
Wallace & Bush, engng. contrs., San Jose, Calif.
Wallace & Co., J. D., 134 S. California Ave., Chicago.
Wallace & Co., Jos. H., 5 Beekman St., New York.
Wallace & Gale, 115 S. Gay St., Baltimore, Md.
Wallace & Sons Mfg. Co., R., (Silversmiths), Wallingford, Conn.
Wallace & Tiernan Co., Inc., 233 Broadway, New York.
Wallace, A. D., carriages, Alliance, Ohio.
Wallace Addressing Machine Co., 116 W. 14th, New York.
Wallace-Ballord Lumber Co., 1613 Lumber Exchange, Minneapolis, Minn.
Wallace Bros., sashes, doors & blinds, New Castle, Pa.
Wallace Bldg. Co., Laconia, N. H.
Wallace, C. E., & Co., machy. dlrs., Chicago Heights, Ill.
Wallace Co., grindstones, Port Austin, Mich.
Wallace, Corcoran & Co., farm machinery, 322 E. Yamhill, Portland, Ore.
Wallace Equipment Co., steel merchant & struct'l work, 11th S. W. Hanford, Seattle, Wash.
Wallace, F. J., Co., hardware mfrs., Meriden, Conn.
Wallace Furn. Co., Dept. H, Grand Rapids, Mich.
Wallace, Geo. J., Jr., htg. contr., 206 E. 57th, New York.
Wallace, Hugh, Co., carriage robes, 2616 E. Grand blvd., Detroit, Mich.
Wallace, John, Sons Co., masons' & bldrs.' matls., St. Joseph, Mich.
Wallace Lbr. Co., York, Ala.
Wallace Machine & Foundry Co., Lafayette, Ind.
Wallace Mfg. Co., Frankford, Ind.
Wallace Motor Products Corp., oil gauges, 467 Washington, New York.
Wallace, N., machst. & fndr., Farmington, Conn.
Wallace Pencil Co., 1822-28 Locust St., St. Louis, Mo.
Wallace Press, The, 522 S. Clinton St., Chicago.
Wallace, Rodney, Co., cotton waste, 804 Main, Fitchburg, Mass.
Wallace-Seagrave Co., loose leaf binders, 328 Winston, Los Angeles, Calif.
Wallace, Sterling, printing inks, 65 Frankfort, New York.
Wallace Stone Co., Bay Port, Mich.
Wallace Supplies Mfg. Co., 1312 Diversey Parkway, Chicago.
Wallace, W. H., flour, Mexia, Tex.
Wallace, W. R., & Co., contrs., Fort Wayne, Fla.
Wallace, W. W., & Co., sash, door & blind, Apollo, Pa.
Wallace Wall Paper Co., Cortland, N. Y. (Now Beaudry Wall Paper Corp.)
Wallace, Wm., & Sons, machsts.' tools, 513 Wells, Chicago, Ill.
Wallaster, J. G., advtg. nov., 620 Poydras, New Orleans, La.
Wallbrunn, Kling & Co., mill & facty. supps., 327 S. Clark, Chicago, Ill.
Waller Bros. Stone Co., McDermott, Ohio.
Waller Mfg. Co., muffler cut-out valves, Oelwein, Ia.
Wallin, Henrik & Comer, Arthur F., architects, 23 Abercorn, Savannah, Ga.
Wallin Leather Co., Grand Rapids, Mich.
Wallinder, E. G., packing box, sash, door & blind mfrs., Duluth, Minn.
Walling, H. E., ties, poles, etc., Union Trust bldg., Providence, R. I.
Walling, Luther, machs., Belford, N. J.
Walling, S. E., machst. & fndr., Bellingham, Wash.
Walling's, Jesse, Mills, flour mills, McMinnville, Tenn.
Wallingford Co., silver nov., Wallingford, Conn.
Wallingford Lumber Co., Wallingford, Conn.
Wallingford Mfg. Co., Wallingford, Vt.
Wallington Leather Mfg. Co., 50 Kent, Newark, N. J.
Wallior Chemical Wks., chemist, New Orleans, La.
Wallis & Sons, scrap iron & steel, Tacoma, Wash.
Wallis, A. H., 4953 Page st., St. Louis, Mo.
Wallis Coach & Carriage Co., auto bodies & tops, 3338 University av. S. E., Minneapolis, Minn.
Wallis, J. V., & Co., lbr., Talladega, Ala.
Wallis Tractor Co., machsts., Racine, Wis.
Walloomsac Paper Co., Walloomsac, N. Y.
Walloon Lake Lumber & Shingle Co., Walloon Lake, Mich.
Wallower, Roland C., advertising counsellor, 918 N. 16th, Harrisburg, Pa.
Walls, Owen & Stambach Co., 11th & Ridge Sts., Philadelphia, Pa.
Walls Sales Corp. (Band Grinder), 96 Warren St., New York.
Walls Tool & Supply Co., Inc., 25 Leonard St., New York.
Wallwork, H., Foundry Co., brass castings, 4000 10th av., Birmingham, Ala.
Walnut Creek Milling Co., flour, Great Bend, Kan.
Walnut Growers Spray Mfg. Co., 2412 E. 57th, Los Angeles, Calif.
Walnut Lbr. Co., 1635 W. Michigan, Indianapolis, Ind.
Walnut Milling Co., flour & feed, Walnut, Ia.
Walrath, Alphonso, Co., machsts., Fort Plain, N. Y.
Walrath Glove Co., Gloversville, N. Y.
Walrath-Sherwood Lbr. Co., Omaha, Neb.
Walraven Co., The, mill supplies, Atlanta, Ga.
Wal-Rike Pony Vehicle Co., St. Paris, Ohio.
Walrus Mfg. Co., bank, office & store fix., Decatur, Ill.
Walsh & Allen, machinists, 15 Wilbur av., Long Island City, N. Y.
Walsh & Burney, contrs., San Antonio, Texas.
Walsh & Gardner, Tacoma, Wash.
Walsh & Masterson, contractors, 35 S. Dearborn, Chicago, Ill.
Walsh & Weidner Boiler Co., The, Main & Sycamore Sts., Chattanooga, Tenn.
Walsh Boiler & Iron Wks., tanks, etc., 221 Liberty, Springfield, Mass.
Walsh Bros. & Schurr, contractors, Sandusky, Ohio.
Walsh, C. M., lbr., Cuyahoga Falls, Ohio.
Walsh Construction Co., Davenport, Ia.
Walsh, David, 297A Summer, Somerville, Mass.
Walsh, Edw. W., stone, 72 S. 15th, Terre Haute, Ind.
Walsh Electric Co., M. J., 106 4th St., Portland, Ore.
Walsh Fire Clay Products Co., brick mfrs., 4070 N. Main, St. Louis, Mo.
Walsh, Geo. J., dock bldrs., 446 47th, Brooklyn, N. Y.
Walsh, Inc., E. H. (Office Supp.), 56 Thomas St., New York.
Walsh, J. F., sheet metal brushes & compounds, Pittsfield, Mass.
Walsh, J. V., Co., cooperage stock, Peoples Bank bldg., Pittsburgh, Pa.
Walsh, Jas. D., Sons, cornices, Albany, N. Y.
Walsh, John D., 397 Hancock St., Brooklyn, N. Y.
Walsh, M., & Son, contrs., Bloomington, Ill.
Walsh, M. S., mattresses, Williamsport, Pa.
Walsh Machy Co., M. J., 88 Water St., Milwaukee, Wis.
Walsh Mfg. Co., Owen, 225 6th Ave., New York.
Walsh, Matthew J., 28 Orange St., Newark, N. J.
Walsh, Maurice J., & Sons, contractors, Holyoke, Mass.
Walsh Milling Co., Cuyahoga Falls, O.
Walsh Packing Co., metallic packing, 304 New, Phila., Pa.
Walsh Paper Co., Cuyahoga Falls, Ohio.
Walsh Press & Die Co., 4709-11 W. Kinzie St., Chicago.
Walsh, Richard, self-closing cocks, 233 W. Larned, Detroit, Mich.
Walsh-Richardson Co., harness, 428 K, Sacramento, Calif.
Walsh Safety Lock Snap Co., Bellevue, Ohio.
Walsh Sons, Morris, S. 9th & Sarah St., Pittsburgh, Pa.
Walsh Stevedoring & Contrg. Co., Mobile, Ala.
Walsh, T. P., cornices & skylights, San Antonio, Tex.
Walsh Tie & Lbr. Co., Title Guaranty bldg., St. Louis, Mo.
Walsh Tie & Timber Co., Title Guaranty Bldg., St. Louis, Mo.
Walsh Tie Co., 950 McKnight Bldg., Minneapolis, Minn.
Walsh, Vincent S., advtg. novelties, 595 Mission, San Francisco, Calif.
Walsh's Boiler & Iron Works, Springfield, Mass.
Walsh's Holyoke Steamer Boiler Works, Holyoke, Mass.
Walsh's Sons & Co. (New & Old Machinery, etc.), Harrison, N. J.
Walsh's Song & Co., 295-305 Passaic st., Newark, N. J.
WALSTAD MACHINE CO., metal novelties, stamping, etc., 1005 East D, Tacoma, Wash.
Walter Bros., buggy & carriage aprons, Dallas City, Ill.
Walter Co., The, 3953 Castello Ave., Chicago.
Walter Concrete Machinery Co., 416 Saks, Indianapolis, Ind.
Walter, Edward J., Co., chemical brokers, American bldg., Baltimore, Md.
Walter G., carriages, Murfreesboro, Tenn.
Walter, G. E., 157 E. 44th St., New York.
Walter, H. R., Lumber Co., Fayette & Manhattan, Pittsburgh, Pa.
Walter, John, & Sons, cornices & skylights, Ottawa, Ill.
Walter Lumber Co., Wright J., Bristol, Tenn.
Walter Machine Co., 500 Bellevue av., Detroit, Mich.
Walter Mfg. Co., brassed steel ware, Fulton bldg., Pittsburgh, Pa.
Walter Motor Truck Co., 243 W. 61st St., New York.
Walter, N. C., & Sons, die sinkers, 3 Park Row, New York.
Walter, W. H., Lbr. Co., Royal Center, Ind.
Walter-Wallingford & Co., 1412 Traction Bldg., Cincinnati, O.
Walterboro Cotton Oil Co., Walterboro, S. C.
Walterboro Lbr. Co., Ridgeway, Pa.
Walters, G., carriages, Sandwich, Ill.
Walters, H. D., freight elevators, 210 2d av., Pittsburgh, Pa.
Walters Manufacturing Co., Fulton Bldg., Pittsburgh, Pa.
Walters-Parks Lumber Co., Eugene, Ore.
Walters Surgical Co., instruments, 441 Sutter, San Francisco, Calif.
Walters, T. E., Plumbing & Htg. Co., Aurora, Ill.
Waltham Dial Gauge Co., 85 Myrtle, Waltham, Mass.
Waltham Foundry Co., 71 Fulton St., Waltham, Mass.
Waltham Grinding Wheel Co., Waltham, Mass.
WALTHAM MACHINE WORKS, Waltham, Mass.
Waltham Micrometer Dial Gauge Co., dial gauges & dial indicators mfrs., 248 Ash, Waltham, Mass.
Waltham Motor Mfrs., autos, Revier, Waltham, Mass.
Waltham Piano Co., Becker av. & 1st, Milwaukee, Wis.
Waltham Screw Co., Waltham, Mass.
Waltham Watch Co., Waltham, Mass.
Walther & Co., paper & pulp mills, 72 Duane, New York.
Walther, A., & Sons, cornices, Bay City, Mich.
Walther Bros., fndrs., Coxsackie, N. Y.
Walther-Vogler Gas Machine Co., Davenport, Ia.
Waltke & Co., W., 2nd & E. Grand St., St. Louis, Mo.
Walton & Macke Nail Co., Kokomo, Ind.
Walton & Son Co., A. W., The, Camden, N. J.
Walton & Son, C. J., 1921 W. Main St., Louisville, Ky.
Walton-Carlson Co., Ltd., St. Catharines, Ont., Can.
Walton Co., The, 312 Pearl St., Hartford, Conn.
Walton Construction Co., 103 E. 125th, New York.
Walton Cotton Mill Co., Monroe, Ga.
Walton, D. S., & Co., wrapping paper, 132 Franklin, New York.
Walton, F. S., Co., lubricating oils & greases, Orthodox & Del., Philadelphia, Pa.
Walton Foundry Co., Walton, N. Y.
Walton, H. H., lbr., Pendleton, Va.
Walton, James, gas generators, Phoenicia, N. Y.
Walton Land & Timber Co., De Funiak Springs, Fla.
Walton Lbr. Co., Everett, Wash.
Walton, Luther, machst., Norristown, Pa.
Walton Mfg. Co., ventilators, 2610 Walton av., Cleveland, O.
Walton, McKee M., 119 S. 4th, Phila., Pa.
Walton Neckyoke Centre Co., Gallatin, Mo.
Walton, P. B., lumber, Williamsport, Pa.
Walton, Thos. S., knitted gloves, Needham Heights, Mass.
Walton-Van Huffell Mfg. Co., Inc., Galesburg, Ill.
Walton's Sons, Jacob W., 1615 Ruan St., Philadelphia, Pa.
Waltz & Co., carriages, 2110 Main, Wheeling, W. Va.
Waltz, Chris., cornices & skylights, Denison, Tex.
Waltz Safe & Lock Co., 685 Mission St., San Francisco, Cal.
Walville Lumber Co., Walville, Wash.
Walworth Mfg. Co. (Works and Main Office), Boston, Mass.
Walworth Oregon Co., 12th & Everett, Portland, Ore.
Walworth Run Foundry Co., 2488 W. 27th St., Cleveland, O.
Walz, C., brass fndrs., 3257 Canton, Detroit, Mich.
Walz, Geo. A., lumber, Norwalk, Wis.
Walz, Hy. J., Co., oven builders, 72 Huron, Buffalo, N. Y.
Wampum Mill Co., flour, Wampum, Pa.
Wamsher, Harry G., stone producers, Perkasie, Pa.
Wamsley, A. S., lumber, Stout, Ohio.
Wamsutta Mills, Wamsutta Ave., New Bedford, Mass.
Wanacek Strop & Cutlery Co., Fremont, Ohio.
Wanamaker, Geo. E., contr., Greenwich, Conn.
Wand & Niehaus, fire doors, 1315 Cora, St. Louis, Mo.
Wander Iron Works, 423 Whitlock av., New York.
Wangaum Cut Glass Co., Hawley, Pa.
Wangler Boiler & Sheet Iron Works, Jos. F., Federal Reserve Bank Bldg., St. Louis, Mo.
Wangler, Jos. F., Boiler & Sheet Iron Works, Federal Reserve Bk. bldg., St. Louis, Mo.
Wanner, Louis, Jr., 2104 N. Camac, Phila., Pa.
Wanner Machy. Co., printing mach. dlrs., 716H Dearborn, Chicago, Ill.
Wanner Malleable Castings Co., Hammond, Ind.
Wantega Sand & Gravel Co., concrete roofing, tile, Johnson City, Tenn.
Wapak Hollow Ware Co., Wapakoneta, O.
Wapakoneta Machine Co., Wapakoneta, O.
WAPPAT GEAR WORKS, Meade St., at Braddock Ave., Pittsburgh, Pa.
Wappler Electric Co., Inc., 162 Harris Ave., Long Island City, N. Y.
Wapsipinicon Mill & Power Co., buckwheat flour, Independence, Ia.
Warburg, Bernard, brick, Springfield rd., New Burlington, Cincinnati, Ohio.
Warburton Machine Co., Haverhill, Mass.
Ward & Co., Long Island City, N. Y. (Shipbuilders.)
Ward & Co., machsts., 54 Fulton av., Astoria, N. Y.
Ward & Co., meat packers, Fairmont, Minn.
Ward & Goodwin, contractors, 110 Jessie, San Francisco, Calif.
Ward & Gow, 50 Union Square, New York.
Ward & Son, Fred, 170 1st St., San Francisco, Calif.
Ward & Sons Co., Jno. H., Park & Nelson Sts., Pittsburgh, Pa.
Ward & Williams, Hancock, Mich.
Ward, A. H., lumber, Loudon, Tenn.
Ward, Aaron, & Son, contractors, Camden, N. J.
Ward, Albert J., Co., stone producers, Fullerton av. bridge, Chicago, Ill.
Ward-Bate Co., lbr., Georgetown, S. C.
Ward-Brock Sash & Door Co., 924 McLean, Cincinnati, Ohio.
Ward Bros., Big Rapids, Mich.
Ward Bros., contractors, 9338 Hough ct., Cleveland, O.
Ward, Chas. B., Jr., 129 Marlborough av., Detroit, Mich.
Ward, Chas., Engrg. Works, machsts. & fndrs., Charleston, W. Va.
Ward, E. D., Co., contrs., 82 Foster, Worcester, Mass.
Ward Engineering Works, Charles, Charleston, W. Va.
Ward Equipment Co., Fitzsimmons Bldg., Pittsburgh, Pa.
Ward, Fred J., 1309 W. Broadway, Long Beach, Calif.
Ward Furniture Mfg. Co., Fort Smith, Ark.
Ward Heater Co., hot air & gas furnaces, 1314 Central av., Los Angeles, Calif.

Ward, Hugh H., cornices, Chester, Pa.
Ward, Inc., Marcus, Pearson & Creek Sts., Long Island City, N. Y.
Ward Iron Works. See Pacific Iron & Steel Co., Inc., jobbing mfrs. of heavy sheet metal wks., 2637 Humboldt, Los Angeles, Calif. (successors).
Ward, J. B., & Sons, fndry., brushes, brooms, Paterson, N. J.
Ward, J. H., & Co., flour mills, Greenfield, Tenn.
Ward, J. W., lumber mfrs., Dufur, Ore.
Ward, John, & Co., flour, Thomasville, N. C.
Ward, John, & Son, railroad stationery, 115 Cedar, New York.
Ward, Jos. T., fndrs., 5809 Baynton, Phila., Pa.
Ward-Kent Co., box shooks, Greenfield, Tenn.
Ward LaFrance Truck Corp., Elmira, N. Y.
Ward, Leland A., elec. contr., Naugatuck, Conn.
Ward-Leonard Electric Co., Mt. Vernon, N. Y.
Ward-Lewis Lumber Co., N. W. Bank Bldg., Portland, Ore.
Ward-Love Pump Corp., Rockford, Ill.
Ward Lumber Co., Modesto, Calif.
Ward Machinery Co., Wm., Standard Life Bldg., Pittsburgh, Pa.
Ward Mfg. Co., Samuel, 299 Atlantic, Boston, Mass.
Ward Motor Vehicle Co., Mt. Vernon, N. Y.
Ward, N. E., brick, Selma, N. C.
Ward Plow Wks., Fayetteville, N. C.
Ward Pumps Co., Rockford, Ill.
Ward Refrigerator Co., 6801 S. Alameda, Los Angeles, Calif.
Ward, Robert J., & Co., electrical fixtures, 247 S. 13th, Phila., Pa.
Ward, Sam'l, Mfg. Co., pads, albums & envelopes, 299 Atlantic av., Boston, Mass.
Ward Stilson Co., flags, emblems, etc., Anderson, Ind.
Ward, T. J., Constr. Co., contrs., 1514 Olive, St. Louis, Mo.
Ward Tool & Forging Co., Lathrobe, Pa.
Ward, W. G., Lumber Co., Ironton, Ohio.
Ward, W. G., machinist, Cadiz, Ohio.
Ward, W. H., & Son, contrs., Harvard, Ill.
Ward, W. H., machsts. & fndrs., Milford, Me.
Ward, W. H., Co., bldg. contr., Lowell, Mass.
Ward, Wilbur F., cornices, 20 W. Pratt, Baltimore, Md.
Ward's, Edgar T., Sons Co., iron & steel merchants, 3984 Frelinghuysen av., Newark, N. J.
Ward's Sons, Edgar T., 44 Farnsworth, Boston, Mass.
Ward's Sons, Owen, 448 W. 39th St., New York.
Warden, Geo. J., & Co., carriages, 6530 Carnegie av., Cleveland, Ohio.
Wardlaw Lumber Co., J. A., Chattanooga, Tenn.
Wardlow, H. P., flour, Alberta, La.
Wardlow, S. & C., 278 Pearl St., New York, N. Y.
Wardlow-Thomas Paper Co., Middletown, Ohio.
Wardrop, J., & Son, hdwe., Mt. Carmel, Pa.
Wardwell Braiding Mach. Co., wire & cable cov. mach., Central Falls, R. I.
Wardwell Hardware Co., Rome, N. Y.
Wardwell Lumber Co., Bristol, R. I.
Wardwell Mfg. Co., The, 110 Hamilton, N. E., Cleveland, O.
Ware, Arthur W., & Co., umbrellas, whips, 12 E. 18th, New York.
Ware, Bert, 13th & Raleigh, Portland, Ore.
Ware Bros., screw machine products, 4458 W. Lake, Chicago, Ill.
Ware Bros. Co., 125 Howard, Spokane, Wash.
Ware Co., 18 Greene St., New York.
Ware Co., mailing tubes, 150 Broadway, New York.
Ware, J. A., Const. Co., contrs., Boatman's Bk. bldg., St. Louis, Mo.
Ware Mfg. Co., hosiery, elastic, surgical, Camden, N. J.
Ware Shoels Mfg. Co., 8 W. 40th St., New York.
Warehouse Point Silk Co., silk thread, Warehouse Point, Conn.
Warfel, W. H., cornices, Muncie, Ind.
Waring, Chapman & Farquhar, sewage disposal plants, 874 Broadway, New York.
Waring, Edw. C., clothes washing machines, Huntsville, Mo.
Waring, Vechten Co., advtg. counsellors, 15 W. 37th, New York.
Wark, Jas., granite, Milford, N. H.
Warley & Co., Thos. C., 211-17 Bainbridge St., Philadelphia, Pa.
Warlick & Sherrill Co., textile mach. supplies, Granite Falls, N. C.
Warlick Lbr. Co., Gilkey, N. C.
Warlick Sheet Metal Mfg. Co., Atlanta, Ga.
Warm Air Heating & Sheet Metal Journal, trade publication, 608 Chestnut, Phila., Pa.
Warman Steel Casting Co., Boyle Ave., Los Angeles, Cal.
Warn Lbr. Corp., Raywood, W. Va.
Warnell Lumber & Veneer Co., Plant City, Fla.
Warner & Childs Co., The, 554-578 Boston Ave., Medford, Mass.
Warner & Company, W. H., Union Nat'l Bank Bldg., Cleveland, O.
Warner & Swasey Co., 5809 Carnegie Ave., Cleveland, O.
Warner, A. R., contractors, Waynesboro, Pa.
Warner Bros. Co., sheet metal stamping, 325 Lafayette, Bridgeport, Conn.
Warner, C. B. & J., elec. portables & shades, 469 7th av., New York.
Warner, C. T., mica, 906 S. Bishop, Chicago, Ill.
Warner, Chas., Co., hydrated lime & masons' mtls., I. O. O. F. bldg., Wilmington, Del., 18 E. 41st, New York.
Warner, Chas. W., cornices, 522 W. Harrison, Chicago, Ill.
Warner, Chas., Co., Morris bldg., Phila., Pa.
Warner Chemical Co., 52 Vanderbilt Ave., New York.
Warner Collieries Co., The, coal mine, Union Nat'l Bk. bldg., Cleveland, Ohio.
Warner Co., vacuum cleaners, etc., Muncie, Ind.
Warner Co., Chas., Du Pont Bldg., Wilmington, Del.
Warner Construction Co., 111 N. Dearborn, Chicago, Ill.
Warner, E. T., machsts. & fndrs., Petersburg, Ind.
Warner, Edw. C., machst. & fndr., Ludlow, Vt.
Warner Electric Co., elec. spec., Muncie, Ind.
Warner Elev. Mfg. Co., grain elev. bldrs., Warner, Ill.
Warner Elevator Mfg. Co., 811 Pacific, Tacoma, Wash.
Warner Elevator Mfg. Co., The, Spring Grove Ave., Cincinnati, O.
Warner, G. F., Mfg. Co., archl. iron, James & Est., New Haven, Conn.
Warner Gear Co., Muncie, Ind.
Warner, Geo., lbr., Franklin Trust bldg., Phila., Pa.
Warner, H. D., 57 May St., Hartford, Conn.
Warner Hardware Co., 13 S. 6th, Minneapolis, Minn.
Warner Hammer Co., Cromwell, Conn.
Warner Iron Co., Stahlman Bldg., Nashville, Tenn.
Warner Jewelry Case Co., 642 Mich. av., Buffalo, N. Y.
Warner-Klipstein Chemical Co., Inc., 52 Vanderbilt Ave., New York.
Warner Lumber Co., 624 Murray Bldg., Grand Rapids, Mich.
Warner Mfg. Co., Ottawa, Kans.
Warner Mfg. Co., hdwe. mfrs., Greenfield, Mass.
Warner Mfg. Co., truck trailers, Beloit, Wis.
Warner Mfg. Co., woven labels, Paterson, N. J.
Warner-Newton Lbr. Co., Grand Rapids, Mich.
Warner, P. B., contractors & railroad equipment, Sedamsville, Cincinnati, Ohio.
Warner-Patterson Co., auto accessories & optical lenses, 914 S. Michigan av., Chicago, Ill.
Warner-Quinlan Asphalt Co., contractors, 79 Wall, New York.
Warner Sugar Refining Co., 79 Wall, New York.
Warner, W. R., & Co., brushes, 136 Centre, New York.
Warnick, E. H., artificial limbs, Wilkes-Barre, Pa.
Warnke Bros. Co., cornices & skylights, Toledo, Ohio.
Warnock & Co., Wm., Sioux City, Ia.
Warnock & Ralston, soap, Rock Island, Ill.
Warnock Hdwe. & Furn. Co., Magnolia, Ark.
Warns, Wm. H., machst., Painted Post, N. Y.
Warp Comp. Mach. Co., 103 Exchange St., Worcester, Mass.
Warp Twisting-In Mach. Co., 260 Van Brunt, Brooklyn, N. Y.
Warren & Bailey Co., 214 E. 3rd St., Los Angeles, Cal.
Warren & Co., J. M., Troy, N. Y. (Metal Stampings).
Warren & Dellwardt Co., 109 Seneca, Buffalo, N. Y.
Warren & Irrgang Co., The, 238 Dwight St., Springfield, Mass.
Warren, A. J., Brush Co., 42 Vine, Cincinnati, Ohio.
Warren Axe & Tool Co., Warren, Pa.
Warren Belting Co., 33 Arctic St., Worcester, Mass.
Warren, Benj. R., & Sons, contractors, Princeton, N. J.
Warren Brass Fdry. Co., lavatory legs, Warren, Ohio.
Warren Bros. Co., contrs., Railway Exchange bldg., St. Louis, Mo.
Warren Bros. Co., general contractors, 142 Berkeley, Boston, Mass.
Warren Bros. Co., paints, etc., plate & window glass, 200 3rd av. N., Nashville, Tenn.
Warren Bros. Co., 9 Cambridge St., Boston, Mass.
Warren Chair Co., Warren, Pa.
Warren Chemical Division, The Barrett Co., 17 Battery pl., New York.

WARREN CITY TANK & BOILER CO., THE, Warren, Ohio.

Warren Co., S. D., 101 Milk St., Boston, Mass.
Warren Company, The, Niles, Mich.
Warren Clock Co., Ashland, Mass.
Warren Constr. Co., Bacon bldg., Oakland, Calif.
Warren Constr. Co., Jamestown, N. Y., & Yeon bldg., Portland, Ore.
Warren Cotton Oil Mfg. Co., Warren, Ark.
Warren County Fertilizer Co., Warrenton, Ga.
Warren-Ehret Co., Land Title Bldg., Philadelphia, Pa.
Warren Evaporator Wks., Warren, Ohio.
Warren Fertilizer Co., Warren, Pa.
Warren Fish Co., Pensacola, Fla.
Warren Fdry. & Mach. Co., Phillipsburg, N. J.
Warren Fdry. & Pipe Co., 11 Broadway, New York.
Warren G. Black Oil Co., Century bldg., Cleveland, O.
Warren Gear Products Co., Warren, Pa.
Warren Handle Wks., Cortland, Ohio.
Warren Hdwe. Co., Warren, O.
Warren-Harshman Canning Co., Saratoga, Ind.
Warren Iron & Steel Co., Warren, O.
Warren, J. F. & W. H., Co., 33 Arctic, Worcester, Mass.
Warren, Jas. D., htg. contrs., Albany, N. Y.
Warren, Jas. W., Bldg. Co., Elizabeth, N. J.
Warren-Knight Co. (Surveying Drafting Inst.), 136 N. 12th, Philadelphia, Pa.
Warren-Lamb Lbr. Co., Rapid City, S. D.
Warren Leather Goods Co., 82 Austin St., Worcester, Mass.
Warren Lubricant Co., 22 Maurice St., Buffalo, N. Y.
Warren Machine & Iron Works Co., Warren, Minn.
Warren Mach. Products Co., auto axles, air compressors & gun lathes, Warren, Pa.
Warren Mfg. Co., paper & pulp mills, 8 W. 40th, New York.
Warren Mfg. Co., Warren, Md.
Warren Mfg. Co., J. D., 159 N. State St., Chicago.
Warren Metal Bed. Co., The, Warren, O.
Warren Milling Co., flour, Nashville, N. C.
Warren Mirror Wks., Warren, Pa.
Warren Motor Truck Co., Warren, O.
Warren Oil Co., 424 Commercial, Los Angeles, Calif.
Warren Packing Co., canned goods, Yeon bldg., Portland, Ore.
Warren Paint & Color Co., Nashville, Tenn.
Warren Paint Co., Warren, Ohio.
Warren Parchment Co., paper, Dexter, N. Y.
Warren Piano Co., Warren, Pa
Warren Plbg. Supply Co., 261 Warren, Jersey City, N. J.
Warren Products Co., Inc., 265 Canal St., New York.
Warren Refining & Chemical Co., 9420 Meach Ave., Cleveland, O.
Warren Refining Co., Warren, Pa.
Warren Sales Company, 150 Nassau St., New York.
Warren Soap Mfg. Co., 77 Summer St., Boston, Mass.
Warren Specialty Co., soap, Warren, Pa.
Warren Specialty Mfg. Co., pullers, West Farmington, O.
Warren Stamping Co., lanterns, Warren, O.
Warren Stave Co., Warren, Ark.
Warren Steam Pump Co., Warren, Mass.
Warren Steel Casting Co., 3400 Maury, St. Louis, Mo.
Warren Thread Works, Westfield, Mass.

WARREN TOOL & FORGE CO., THE, 145 Griswold St., Warren, O.

Pres.—Jas. D. Robertson.
V. P.—M. J. Kenold.
Sec.—Geo. F. Kenold, Jr.
Mgr. R. R. Sales—Howard C. Mull, Chicago.
Chicago—Crerar, Adams & Co.
Denver, Colo.—422 Chamber of Commerce Bldg., John T. Rowntree, Inc.
Los Angeles, Cal.—401 Higgins Bldg., John T. Rowntree, Inc.
Louisville, Ky.—309 W. Main St., W. & A. C. Semple, Inc.
Nashville, Tenn.—Hare-Bailey Co.
New York—29 Murray St., J. C. McCarty & Co.; 50 Church St., Railway Specialties Corp.
Philadelphia, Pa.—1338 Real Estate Trust Bldg., E. L. Ruby.
Pittsburgh, Pa.—231 Jenkins Bldg., Jas. D. Robertson.
Portland, Ore.—516 Henry Bldg., John T. Rowntree, Inc.
Richmond, Va.—Smith Courtney Co.
St. Louis, Mo.—2064 Railway Exchange Bldg., H. J. Tierney.
St. Paul, Minn.—Robinson, Cary & Sands Co.
Salt Lake City, Utah—604 Kearns Bldg., John T. Rowntree, Inc.
San Francisco, Cal.—979 Monadnock Bldg., John T. Rowntree, Inc.
Seattle, Wash.—503 Maynard Bldg., John T. Downtree, Inc.
Toledo, O.—Bostwick Braun Co.
Foreign:
Bombay, India—53 Cawasji Patel St., Minecher Desai & Co.
Buenos Aires, Argentine—Belgrano 525, David S. Hayes & John L. Denton.
Calcutta, India—Thos. Dear & Co., Clive Bldgs., No. 8 Clive St.
Havana, Cuba—Compostela 157-159, M. Cata Castaner.
Hong Kong, China—P. O. Box 296, T. M. Gregory & Co.
Madrid, Spain—Aptdo 195, Mario Zanelli.
Mexico, D. F. Mex. Aptdo 1413, H. P. Schuppe & Co.
Montreal, Que., Can.—133 Coristine Bldg., J. H. Roper Co.
San Juan, Porto Rico—P. O. Box 1313, Andres Justicia.
Sydney, Australia—Smith & Major, Ltd.
Winnipeg, Man., Can.—806 Lindsey Bldg., A. E. Hanna.

Distributors and Representatives:
ALA.—Bessemer—Long-Lewis Hardware Co.
Birmingham—Moore-Handley Hardware Co.
Wimberly & Thomas Hardware Co.
Young & Vann Supply Co.
Mobile—Cunningham Hardware Co.
Turner Supply Co.
ARIZ.—Phoenix—Pratt-Gilbert Co.
Tuscon—Albert Steinfeld & Co.
ARK.—Fort Smith—Speer Hardware Co.
Little Rock—Fones Bros. Hardware Co.
Texarkana—Buhrman-Pharr Hardware Co.
CAL.—Los Angeles—California Hardware Co.
Ducommun Hardware Co.
Harper & Reynolds Corp.
Percival Iron Co.
Republic Supply Co.
Sacramento—Thomson-Diggs Co.
San Diego—Western Metal Supply Co.
San Francisco—Dunham, Carrigan & Hayden Co., Kansas and Division, Park 9500.
Waterhouse & Lester Co., 540 Howard, Garfield 4040.
W. H. Worden Co., Inc., 126 Pine St., Kearny 1181.
COLO.—Denver—Geo. Mayer Hardware Co.
Mine & Smelter Supply Co.
H. W. Moore & Co.
Moore Hardware & Iron Co.
Tritch Hardware Co.
Pueblo—Holmes Hardware Co.
CONN.—Hartford—L. S. Knoeck & Co.
K. B. Noble Co.
New Haven—Bronson & Townsend Co.
Contractor's Tool Co.
Stamford—Lockwood & Palmer Co.
Waterbury—Chas. A. Templeton, Inc.
DEL.—Wilmington—Hudson Supply Co.
DIST. OF COL.—Washington—Baber & Ross, Inc.
J. B. Kendall Co.
FLA.—Jacksonville—Florida Hardware Co.
Georgia Supply Co.
H. W. Hobb Supply Co.
Tampa—Knight & Wall Co.
GA.—Atlanta—Beck & Gregg Hardware Co.
Cotton States Belting & Supply Co.
Dinkinson-Davidson Hardware Co.
J. M. Tull Rubber & Supply Co.
Western Electric Co.
Gainesville—Pruit-Barrett Hardware Co.
Macon—Dunlap Hardware Co.
J. S. Schofield's Sons Co.
IDA.—Boise—Northrop Hardware Co.
ILL.—Bloomington—Keiser-Van-Leer Co.
Chicago—American Steel Foundries, 332 S. Michigan Ave., Wabash 3045.
Machinists Supply Co., 19 S. Jefferson, Main 0554.
Montgomery Ward & Co., Chicago Ave. and Larrabee, Superior 6200.
Jos. T. Ryerson & Son, 2558 W. 16th St., Lawndale 1000.
IND.—Fort Wayne—Fort Wayne Oil & Supply Co.
Wayne Hardware Co.
Indianapolis—Stutz Fire Engine Co.
Van Camp Hardware & Iron Co.
Vonnegut Hardware Co.
Marion—Marion Machine Foundry & Supply Co.
Richmond—Jones Hardware Co.
Miller Bros. Hardware Co.
Terre Haute—Industrial Supply Co.
IA.—Burlington—Drake Hardware Co.
Clinton—C. E. Armstrong & Sons.
Davenport—Sickels & Preston Co.
Dubuque—F. M. Jaeger Hardware Co.
Ottumwa—Haw Hardware Co.
KY.—Hazard—Sterling Hardware Co.
Louisville—E. D. Morton & Co.
Stratton & Terstegge Co.
W. & A. C. Semple, Inc.
LA.—Monroe—Monroe Hardware Co., Inc.
New Orleans—A. Baldwin & Co., Ltd.
Stauffer-Eshleman Co., Ltd.
Shreveport—Lee Hardware Co.
ME.—Houlton—Almon H. Fogg Co.
Portland—Edwards & Walker Co.
Emery-Waterhouse Co.
Talbot, Brooks & Ayer.
MD.—Baltimore—L. A. Benson Co., Inc.
Wm. H. Cole & Sons.
Louis N. Wilcox & Son.
MASS.—Boston—Bigelow & Dowse Co., 229 Frnk. Main 5607.
Jos. Breck & Sons Corp., 51 N. Market St., Richmond 2360.
Clinton E. Hobbs Co., 33 Pearl St., Congress 4050.
Chas. J. McCarty Co., 48 Pearl St., Congress 5054.
Holyoke—J. Russell & Co.
Lynn—Hutchinson Hardware Co.
New Bedford—N. P. Hayes Co.
Springfield—Chas. C. Lewis Co.
Worcester—Duncan & Goodell Co.
MICH.—Bay City—Meisel-Williams Co.
Detroit—Buhl Sons Co., Ft. of Adair, Edgewood 4000.
Peninsular Steel Co., 542 W. Jeff. Cherry 0447.
Grand Rapids—Michigan Hardware Co.
Jackson—Smith-Winchester Co.
Menominee—Northern Hardware & Supply Co.
Port Huron—Beard, Campbell & Co.
Saginaw—Morley Brothers.
Saginaw Hardware Co.
Sault Ste. Marie—Soo Hardware Co.
MINN.—Duluth—Marshall-Wells Co.
Zaik Josephs Co.
Minneapolis—Janney-Semple-Hill & Co.
Minneapolis Iron Store Co.
Williams Hardware Co.
St. Paul—Hackett-Gates-Hurty Co.
Robinson, Cary & Sands Co.
MISS.—Jackson—T. McCleland Hardware Co.
Vicksburg—O'Neill-McNamara Hardware Co.

(Continued on following page)

WARREN TOOL & FORGE CO.—Continued.
MO.—Kansas City—Stowe Supply Co., 13th & Hickory, Main 3290.
St. Joseph—Wyeth Hardware & Mfg. Co.
St. Louis—Continnetal Supply Co., Post Dispatch Bldg., Olive 5025.
Geller, Ware & Hasner Hardware Co., 414 N. 4th St., Main 3500.
Shapleigh Hardware Co., 4th and Washington, Main 5400.
MONT.—Kalispell—Kalispell Mercantile Co.
N. H.—Manchester—John B. Varick Co.
N. J.—Paterson—H. W. Mills & Co.
Quackenbush & Son.
N. MEX.—Albuquerque—Chas. Ilfeld Co.
J. Korber & Co.
Gallup Mercantile Co.
N. Y.—Albany—Soger-Spuck Supply Co.
Amsterdam—John E. Larrabee.
Auburn—P. M. Herron Hardware Co.
Brooklyn—Granville, Sellers, Inc.
Chas. Williams Stores, Inc.
Buffalo—Enos & Sanderson Co., 147 Bushnell, Jefferson 3324.
H. D. Taylor Co., 101 Oak, Seneca 5304.
Weed & Co., 95 Swan, Seneca 1818.
Elmira—Barker, Rose & Clinton Co.
Malone—Malone Hardware Co.
New York—Bettes & Ebsen, 150 Chambers, Barclay 5762.
Butler Bros., 495 Broadway, Canal 4880.
Commonwealth Hardware Co., 235 Canal, Franklin 0187.
Fox Bros. & Co., 126 LaFayette, Canal 9190.
John A. Gifford & Son, Inc., 42 W. Broadway, Barclay 6320.
G. S. Green Co., 74 Warren, Barclay 8688.
M. N. Halpern, Inc., 110 W. 40th St., Bryant 7047.
A. J. Hemphill Co., 161 Washington, Rector 1818.
Chas. Kurzon, 97 E. Houston, Dry Dock 3940.
Manning, Maxwell & Moore, Inc., 100 E. 42nd St., Bryant 6080.
Masback Hardware Co., 82-84 Warren St., Barclay 7333.
J. Pinsky, 2035 Second St., Harlem 2372.
Sargent & Co., 94 Centre St., Franklin 6120.
Topping Bros. Vardick & Vandam, Canal 5000.
Washington Hardware Co., 237 Greenwich St., Barclay 5629.
W. S. Wilson Corp., 159 Chambers St., Canal 2000.
Niagara Falls—Elderfield Hartshorn Hardware Co.
Rochester—Matthews & Boucher.
Weed & Co.
Schenectady—Clark Witbeck Co.
Troy—J. M. Warren & Co.
Utica—Roberts Hardware Co.
Yonkers—Jos. C. Ryan.
N. C.—Charlotte—Charlotte Hardware Co.
Monroe—Monroe Hardware Co.
Winston-Salem—Crawford Mill Supply Co.
OHIO—Akron—East Akron Hdwe. Co.
Mill & Mine Supply Co.
Alliance—Reeves Bros.
Canton—Canton Hardware Co.
Chillicothe—Spetnagel Hardware Co.
Cincinnati—Doermann-Roehrer Co.
Wm. T. Johnson Co.
E. A. Kinsey Co.
E. K. Morris & Co.
Queen City Supply Co.
Vulcan Supply Co.
Cleveland—W. Bingham Co.
Luetkemeyer Co.
Wm. M. Pattison Supply Co.
Strong, Carlisle Hammond Co.
White Tool & Supply Co.
Geo. Worthington Co.
Columbus—Cussins & Fearn Co.
Mithoff Hardware Co.
Tallmadge Hardware Co.
Dayton—M. D. Larkin Supply Co.
Lorain—Lorain Hardware Co.
Mansfield—Wagner Hardware Co.
Marietta—Producers Supply Co.
Seyler Hardware Co.
Ravenna—Byers Machine Co.
Steubenville—Petroleum Supply Co.
Youngstown—Stambaugh-Thompson Co.
Zanesville—Bonifort-Wolfe Hardware Co.
OKLA.—Oklahoma City—Oklahoma City Hardware Co.
Tulsa—Frick-Reid Supply Co.
ORE.—Portland—Honeyman Hardware Co.
PA.—Allentown—M. S. Young & Co.
Bethlehem—J. S. Krause Hardware Co.
Bradford—Bovaird & Co.
Bradford Supply Co.
Easton—W. A. Tydeman, Inc.
Erie—H. P. Weller Supply Co.
Hazelton—Jere Woodring & Co.
Huntington—C. H. Miller Hdwe. Co.
Johnstown—Swank Hdwe. Co.
Lancaster—Herr & Co.
Reilly Bros. & Raub.
Lebanon—Geo. Krause Hardware Co.
Lewisburg—C. Dreisbach & Sons.
Philadelphia—R. J. Crozier Co.
Chas. M. Ghriskey's Sons.
Maddock & Co.
Seltzer-Klahr Hardware Co.
Shields & Bros.
Standard Supply & Equipment Co.
Supplee-Biddle Hardware Co.
Pittsburgh—Demmler Bros. Co.
C. A. Turner, Inc.
Reading—Bright & Co.
Worley Hardware Co.
Scranton—Weeks Hardware Co.
Scranton Sup. & Machy. Co.
Sharon—Fruit Ohl Co.
Warren—Pickett Hardware Co.
Williamsport—Neyhart Hardware Co., Inc.
York—P. A. & S. Small Co., Inc.
R. I.—Pawtucket—Wm. K. Toole Co.
S. C.—Anderson—Sullivan Hardware Co.
Georgetown—Kaminski Hardware Co.
TENN.—Bristol—Interstate Hardware & Supply Co.
Chattanooga—Rogers Bailey Hardware Co.
Johnson City—Summers Hardware Co.
Knoxville—C. M. McClung & Co.
Tennessee Mill & Mine Supply Co.
Lancing—Emory River Lumber Co.
Memphis—Reed & Duecker.
Stratton-Warren Hardware Co.
Nashville—Gray & Dudley Co.
Keith-Simmons Co.
McWhorter-Weaver & Co.
TEX—Abilene—Ed. S. Hughes Co.
Beaumont—Norvell-Wilder Hardware Co.

WARREN TOOL & FORGE CO.—Continued.
Dallas—Huey & Philip Hardware Co.
Southern Implement Co.
El Paso—Krakauer-Zork Co.
Galveston—Black Hardware Co.
Houston—F. W. Heitmann Co.
Peden Iron & Steel Co.
Lufkin—W. M. Glenn & Co.
San Angelo—Findlater Hardware Co.
San Antonio—Alamo Iron Works.
Waco—McLendon Hardware Co.
UTAH—Ogden—Geo. A. Lowe Co.
Salt Lake City—F. C. Richmond Machinery Co.
Salt Lake Hardware Co.
Stevell-Paterson Hardware Co.
VT.—Rutland—U. C. Landon & Co.
VA.—Lexington—Myers Hardware Co.
Lynchburg—Barker Jennings Hardware Co.
Norfolk—Tidewater Supply Co.
Petersburg—Chas. Leonard Hardware Co., Inc.
Stockdell Myers Hardware Co.
Richmond—Jas. McGraw, Inc.
Roanoke—Roanoke Hardware Co.
WASH.—Bellingham—Morse Hardware Co.
Seattle—Schwabacher Hardware Co.
Seattle Hardware Co.
Spokane—Holley-Mason Hardware Co.
Yakima—Yakima Hardware Co.
W. VA.—Bluefield—Bluefield Hardware Co.
Charleston—Capital Supply Co.
Loewenstein & Sons.
Clarksburg—Williams Hardware Co.
Elkins—Baldwin Supply Co.
Huntington—Banks Supply Co.
Miller Supply Co.
Morgantown—Monongahela Supply Co.
Ronceverte—Martin & Jones, Inc.
Weston—Banser Mfg. & Supply Co.
West Union—Cox Bros. Sons & Co.
WIS.—Green Bay—Morley-Murphy Hardware Co.
Milwaukee—Wm. Frankfurth Hardware Co.
Ph. Gross Hardware & Supply Co.
Suelflohn & Suefeld Co.

Foreign:
CANADA—Edmonton, Alta.—Marshall-Wells Alberta Co.
Vancouver, B. C.—Marshall-Wells Co.
Montreal, Que.—Lewis Bros., Ltd.
Winnipeg, Man.—J. H. Ashdown Hardware Co.
Wood Vallance Co.

Warren Veneer & Panel Co., Warren, Pa.
Warren, W., Thread Wks., Westfield, Mass.
Warren, Walter G., & Co., decorative elec. lighting, 363 E. Ohio, Chicago, Ill.
Warrensburg Canning Co., Warrensburg, Ill.
Warrenton Clam Co., canned goods, Warrenton, Ore.
Warrenton Flour Mills, Warrenton, Va.
Warriner, R. B., handles, Jetersville, Va.
Warrior Fertilizer Co., Northport, Ala.
Warsaw Button Co., Warsaw, N. Y.

WARSAW ELEVATOR CO., Warsaw, N. Y. Philadelphia, Pa.—124 N. Carlisle St.

Warshauer, Alex., mattresses, 124 Ralph av., Brooklyn, N. Y.
Warshawsky Auto Parts Co., automobile parts & fittings, 1915 S. State, Chicago, Ill.
Warth, John F., brooms, 514 W. 46th, New York.
Warthen Train Control Corp., 602 11th St., N. W., Washington, D. C.
Warwick China Co., 2140 Water, Wheeling, W. Va.
Warwick Co., flour, Massillon, O.
Warwick Const. Co., coke oven constr., 1048 W. Harrison, Chicago, Ill.
Warwick Mach. Co., Newport News, Va.
Warwick, W. R., cornices, Long Branch, N. J.

WARWOOD TOOL CO., 19th Warwood, Wheeling, W. Va.

Wasburn Bros. Co., brick, Glasco, N. Y.
Wasco Warehouse Milling Co., masons' & bldrs.' matls., The Dalles, Ore.
Waseca Milling Co., cereal foods, Waseca, Minn.
Wasem Plaster Co., Fort Dodge, Iowa.
Washburn & Fowler, brick, Grassy Point & Haverstraw, N. Y.
Washburn & Garfield Mfg. Co., steam fitters' supplies, Foster, Worcester, Mass.
Washburn & Granger, 50 Church St., New York.
Washburn Bros. Co., Glasco, N. Y.
Washburn Canning Co., Washburn, Mo.
Washburn Co. (Andrews Division), household wire goods, Preston, Rockford, Ill.
Washburn Co., T. F., 2213 Lister Ave., Chicago.
Washburn Company, The, 190 N. State St., Chicago.
Washburn-Crosby Co., feed, 2d fl., Cham. Com., Minneapolis, Minn.
Washburn, G. W., & Son, brick yard, Catskill, N. Y.
Washburn, N. S., Lumber Co., Sturgeon Bay, Wis.
Washburn, O. S., & Son, dry docks, Charlevoix, Mich.
Washburn Shops, Boynton St., Worcester, Mass.
Washburn, U. F. & J. T., East Kingston, N. Y.
Washburn-Williams & Co., 111-119 Meridian St., Scranton, Pa.
Washburn Wire Co., Inc., 118th St. & Harlem River, New York.
Washburne & Co., E. G., 207 Fulton St., New York.
Washburne, Edw. G., & Co., lightning rods, 207 Fulton, New York.
Washington & Lee University, engng. school & coll., Lexington, Va.
Washington Architectural Iron & Wire Works, S-18 Stone, Spokane, Wash.
Washington Asphalt Block & Tile Co., Washington, D.C.
Washington Auto Supply Co., spark plugs, Washington, Ill.
Washington Belting & Rubber Co., mill supplies, 1010a, Tacoma & 312 Occidental av., Seattle, Wash.
Washington Brick, Lime & Sewer Pipe Co., Spokane, Wash.
Washington Brick & Terra Cotta Co., Waterloo, Va.
Washington Broom & Woodenware Co., corn, Seattle, Wash.
Washington Buggy Co., Washington, N. C.
Washington Building Lime Co., Equitable Bldg., Baltimore, Md.
Washington Building Products Co., 6851 Marginal Way, Seattlee, Wash.
Washington Cedar & Fir Products Co., 519-20-21-22 White Bldg., Seattle, Wash.
Washington Coal & Coke Co., Dawson, Pa.
Washington Coal & Coke Co., 1st Nat'l Bank Bldg., Pittsburgh, Pa
Washington Cob Pipe Works, Washington, Mo.
Washington Compressed Gas Co., 2920 S. 1st av., Seattle, Wash.
Washington Construction Co., 118 N. La Salle, Chicago, Ill.
Washington Cotton Oil Co., cottonseed meal, Dallas, Texas.
Washington Cutlery Co., Watertown, Wis.
Washington Elec. Sup. Co., Spokane, Wash.
Washington Elevator Co., freight, Seattle, Wash.
Washington Excelsior & Mfg. Co., Edmonds, Wash.
Washington Handle Co., Dept. H, Tacoma, Wash.
Washington Hdwe. Co., Inc., whol., 257 Greenwich, New York.
Washington Iron Works, 1924 Sacramento, Los Angeles, Cal.
Washington Iron Works, Sherman, Tex.
Washington Iron Works Co., Seattle Blvd. & Norman St., Seattle, Wash
Washington Lbr. & Box Co., Gertrude, Wash.
Washington Machinery & Storage, contrs.' tools, 1900 W. Garfield, Seattle, Wash.

WASHINGTON MACHY. & SUPPLY CO., mill & facty. supplies, Division & O. W. R. & N. Tracks, Spokane, Wash.

Washington Machinery Depot, 1924 Pacific av., Tacoma, Wash.
Washington Mfg. Co., handles, Washington C. H., Ohio.
Washington Mfg. Co., sashes, doors & blinds, Washington, Ga.
Washington Mfg. Co., Tacoma, Wash.
Washington Mattress Co., 1964 4th St., S., Seattle, Wash.
Washington Metal Products Co., Washington Court House, Ohio.
Washington Mills, Mayodan, N. C.
Washington Mills Emery Mfg. Co., North Grafton, Mass.
Washington Monumental & Cut Stone Co., 1530 2nd, Spokane, Wash.
Washington Motor Car Co., Hyattsville, Md.
Washington Motor Co., Eaton, Ohio.
Washington Packing Co., meat packers, Washington, Pa.
Washington Parlor Furn. Co., Dept. H, Tacoma, Wash.
Washington Pipe & Foundry Co., steam casings, Tacoma, Wash.
Washington Pulp & Paper Corp., Port Angeles, Wash.
Washington Rubber Co., 1212 G St., Washington, D. C.
Washington, D. C.
Washington Sheet Metal Works, cornices & skylights, Seattle, Wash.
Washington Slate Co., Slatington, Pa.
Washington Steel & Ordnance Co., Washington, D. C.
Washington Stove Works, Everett, Wash.
Washington Street Brass & Iron Foundry, Lebanon, Pa.
Washington Tin Plate Co., Washington, Pa.
Washington Tool Co., Owatonna, Minn.
Washington Union Coal Co., Tono, Wash.
Washington University, engng. schools & colls., Skinker & Lindell, St. Louis, Mo.
Washington Water Power Co., 825 Trent, Spokane, Wash.
Washington Weeder Works, Walla Walla, Wash.
Wasmuth-Endicott Co., cabinets, kitchen, Andrews, Ind.
Wason Mfg. Co., Wason Ave., Springfield, Mass.
Wasserstrom, L. B., razor strops, 91 Gild, New York.
Wasson Coal Co., Harrisburg, Ill.
Wasson Piston Ring Co., Plainfield, N. J.
Wasson Reel Co., Clinton, Ill.
Wasson Stanchion Co., Cuba, N. Y.
Waste Trade Journal, trade publication, 150 Lafayette, New York.
Watab Paper Co., Bartell, Minn.
Watauga Flouring Mill, Elizabethton, Tenn.
Watauga Roller Mills, Sugar Grove, N. C.
Watchung Stone Co., Plainfield, N. J.
Water Arch Furnace Co., 38 S. Dearborn, Chicago, Ill.
Water Gas Carburetor Co., 2207 Penn, Kansas City, Mo.
Water Purification Laboratoriels, 6549 S. Bishop St., Chicago.
Water Works Equipment Co., 50 Church St., New York.
Water Works Supply Co., Norfolk, Va.
Water Works Supply Co., Wright & Callender Bldg., Los Angeles, Cal.
Waterall, Wm., & Co., enamels, paints & wood fillers, Camden, N. J.
Waterall, Wm. & Co., Inc., 4th & Walnut, Phila., Pa.

WATERBURY BATTERY CO., THE, Hudson Terminal Bldg., 30 Church St., New York.
Chicago—1361 Peoples Gas Bldg., S. J. Hough.
New York—G. A. Nelson, G. S. Gaunt, O. B. Frink, R. G. Canfield.
Waterbury, Conn.—F. T. Reeves, M. L. Martus.
Factory: Waterbury, Conn.

Waterbury Brass Goods Corp., 26 Crane St., Waterbury, Conn.
Waterbury Buckle Co., 872 S. Main, Waterbury, Conn.

WATERBURY BUTTON WORKS, 831 S. Main, Waterbury, Conn.
CAL.—San Francisco—435 Mission St.
ILL.—Chicago—230 S. Wells St.
LA.—New Orleans—210 Godchaux Bldg.
MASS.—Boston—68 Essex St.
N. Y.—New York—1140 Broadway.
OHIO—Cleveland—2157 Atkins Ave.
PA.—Philadelphia—702 Denckla Bldg.
Toronto, Ont., Can.—11 Richmond St., West.
Distributor:
CAL.—Los Angeles—Henger-Seltzer Co., 1125 Wall St.

Waterbury Castings Co., Railroad Hill, Waterbury, Conn.
Waterbury Clock Co., 31 Cherry Ave., Waterbury, Conn.
Waterbury Company, 63 Park Row, New York.
Waterbury Farrell Fdry. & Mach. Co., Waterbury, Conn.
Waterbury Felt Co., Skaneateles Falls, N. Y.
Waterbury Foundry Co., Waterbury, Conn.
Waterbury, H., & Sons Co., horse blankets, felts, etc., Oriskany, N. Y.
Waterbury Lbr. Co., 60 Meadow, Waterbury, Connn.
Waterbury Mfg. Co., 236 Grand Ave., Waterbury, Conn.
Waterbury Mattress Co., Benedict & W. Clay, Waterbury, Conn.
Waterbury Metal Wares Co., electric light specialties, Jackson, Waterbury, Conn.
Waterbury Rolling Mills, Inc., Watertown, Ave., Waterbury, Conn.
Waterbury Sand & Gravel Co., 1898 Baldwin, Waterbury, Conn.
Waterbury Scrap Iron Co., Jackson Yard, Waterbury, Conn.
Waterbury Standard Tool & Machine Co., Waterbury, Conn.

WATERBURY STEEL BALL CO., 300 Aurora, Waterbury, Conn.
Branch Offices:
New York, N. Y.—Stevens & Co., 375 Broadway.
Chicago, Ill.—Acme Manufacturers' Sales Corp., 1410 S. Mich.

Waterbury Tool Co., New Britain, Conn.
Waterbury Tool Co., E. Aurora st., Waterbury, Conn.
Waterbury Welding Co., fndry., riddles, auto supplies, etc., 1148 S. Main, Waterbury, Conn.
Waterford Canning Co., Waterford, Ky.
Waterfront Sash & Door Co., 2d & Alice, Oakland, Calif.

Waterhouse & Lester Co., whol. hdwe., 540 Howard, San Francisco, Calif.; and 345 N. Los Angeles, Los Angeles, Calif.
Waterhouse, Charles R., Jr., dock bldr., 74 Park, New Haven, Conn.
Waterhouse, Frank, & Co., ship bldrs., Seattle, Wash.
Waterhouse, H., fndrs., 2700 Wood, Wheeling, W. Va.
Waterhouse Mfg. Co., clothes line reels, 2500 McPherson, Los Angeles, Calif.
Waterhouse Mfg. Co., 1050 S. Raymond av., Pasadena, Calif.
Waterhouse-Wilcox Co., concrete hardeners, 523 Market, San Francisco, Calif.
Waterhouse-Wilcox Pacific Co., masons' matls., 331 E. 4th, Los Angeles, Calif.
Waterloo & Cedar Falls Union Mill Co., flour, Cedar Falls, Ia.
Waterloo Bending Co., carriage shafts & poles, Waterloo, Ind.
Waterloo Brass Fdry., Waterloo, Ia.
Waterloo Broom Co., Waterloo, Ind.
Waterloo Canning Assn., Waterloo, Wis.
Waterloo Canning Co., Waterloo, Ia.
Waterloo Construction Co., Waterloo, Ia.
Waterloo Electrical Supply Co., Waterloo, Ia.
Waterloo Engr. & Service Co., advtg. spec., Waterloo, Ia.
Waterloo Fdry. Co., Waterloo, Ia.
Waterloo Gas Engine Co., Waterloo, Ia.
Waterloo Hdw. Co., Waterloo, Ia.
Waterloo Lumber Co., Waterloo, Ia.
Waterloo Mfg. Co., mill & facty. & plumbers' supplies, Waterloo, Ia.
Waterloo Register Co., Waterloo, Ia.
Waterloo Saddlery Co., Waterloo, Ia.
Waterloo Steam Boiler Works, Waterloo, Ia.
Waterloo Wagon Co., Ltd., carriages, Waterloo, N. Y.
Waterloo Woolen Mfg. Co., woolen carriage cloth, Waterloo, N. Y.
Waterman & Bro., Henry, 195 Lewis St., New York.
Waterman, A. A., & Co., fountain pen mfrs., 170 Broadway, New York.
Waterman Co., L. E., 191 Broadway, New York.
Waterman, F. W., Co., lbr. & ties, Symons bldg., Spokane, Wash.
Waterman Lbr. & Supply Co., Waterman, Texas.
Waterman Mart Co., leather, 78 Beekman, New York.
Waterman, R. C., & Co., nails, tacks, S. Hanover, Mass.
Waterman Store, whol. hdwe., Albion, N. Y.
Waterman Supply Co., mill & factory supplies, 79 Purchase, Fall River, Mass.
Waterman, W. A., irrigation valves, Exeter, Calif.
Waterman Waterbury Co., warm air furnaces, chem. closets, 1121 Jackson N. E., Minneapolis, Minn.
Waterous Fire Engine Co., 80 E. Fillmore av., St. Paul, Minn.
Waterpower Furniture Mfg. Co., Custer sta., Tacoma, Wash.
Waterproof Paint & Varnish Co., Watertown, Mass.
Waterproof Paper & Board Co., 427 E. 6th St., Cincinnati, O.
Waterproofed Products Co., firemen's oiled clothing, 1150 25th av., Oakland, Calif.
Waterproofing Co. of America, The, Railway Ex. Bldg., Chicago.
Waterproofing Co., The, 345 E. 33rd St., New York.
Waters & Osborn Co., sash, door & blind, Red Bank, N. J.
Waters Arc Welding Corp., 619 10th av., New York.
Waters, D. F., dyeing machy., 55 Wister, Phila., Pa.
Waters-Garland Co., 419 W. Main St., Louisville, Ky.
Waters, Geo. E., & Co., Lbr. Mfrs., 922 Park av., Baltimore, Md.
Waters Governor Co., 141 Milk St., Boston, Mass.
Waters, H. C., & Co., mill & facty. supplies & masons' & bldrs.' matls., Paw Paw, Mich.
Waters, Horace, & Co., pianos, 134 5th av., New York.
Waters, John, Bldg. Co., 23 E. Center, Baltimore, Md.
Waters, Thos. J., Co., contractors, 271 W. 125th, New York.
Waterson, J. C., machsts., Elkhart, Ind.
Waterston, J. M., 427 Woodward Ave., Detroit, Mich.
Watertite Drain & Scupper Co., Inc., 137 E. 46th St., New York.
Watertown Auto. & Supply Co., auto springs, Watertown, N. Y.
Watertown Brick Co., Watertown, S. D.
Watertown Canning Co., Watertown, Wis.
Watertown Lumber Co., Watertown, Mass.
Watertown Mfg. Co., insulators, Watertown, Conn.
Watertown Mattress Mfg. Co., Watertown, N. Y.
Watertown Milling Co., flour, Watertown, Tenn.
Watertown Motor Accessories Co., Watertown, S. D.
Watertown Specialty Co., machsts., Watertown, N. Y.
Watertown Table Slide Co., Watertown, Wis.
Waterville Fdry. & Mfg. Co., Waterville, N. Y.
Waterville Granite & Marble Co., Waterville, Me.
Waterville Iron Works, Waterville, Me.
Waterville Mach. Wks., machsts., Waterville, Conn.
Watervliet Arsenal, light & heavy ordnance, Watervliet, N. Y.
Watervliet Paper Co., Watervliet, Mich.
Watervliet Tool Co., Inc., 25 N. Pearl St., Albany, N. Y.
Wathen, R. E., & Co., alcohol & fusel oils, Louisville, Ky.
Watkin, M., machsts., 35 Pike, New York.
Watkins & Bros., E. A., Norfolk, Va.
Watkins & Co., L. A., 7314 Crandon Ave., Chicago.
Watkins & Son, Inc., Jas. Y., 16-20 Catherine St., New York.
Watkins, B. F., & Co., fertilizer, Jackson, Ga.
Watkins, Chas. H., heating contractors, Newton, N. J.
Watkins, Chas. & Son, contractors, Plymouth, Pa.
Watkins Co., artificial stone, 2227 Maple av., Los Angeles, Calif.
Watkins, Cottrell Co., wholesale hardware, 14th & Dock, Richmond, Va.
Watkins, Frederick A., 565 W. Washington Blvd., Chicago.
Watkins, Jas. Y., & Son, coppersmiths, oven bldrs., 20 Catherine, New York.
Watkins, Jno. B., Henderson, N. C.
Watkins Lumber Co., Harry, Durham, N. C.
Watkins Machine Works, Berwick, La.
Watkins Motor Co., machsts, 828 W. 6th, Cincinnati, O.
Watkins Nut Co., 440 Fort St., Detroit, Mich.
Watkins Packing Co., Odessa, Del.
Watkins, Robert G., contrs., Amesbury, Mass.
Watling Mfg. Co., 701 W. Washington Blvd., Chicago.
Watometer Company, The, Annapolis, Md.
Watroil Burner Co., 163 Harrison St., Chicago.
Watrous Co., faucets, lavatories, pipes, valves, etc., 410 N. Michigan blvd., Chicago, Ill.
Watrous, F., brick, Chelsea, N. Y.
Watrous Mfg. Co., (Toys) East Hampton, Conn.
Watrous Mfg. Co., table silverware, Wallingford, Conn.
Watrous Varnish Co., 20th & Tasker, Phila., Pa.
Watson & McDaniel Co., 146 No. 7th St., Philadelphia Pa.
Watson & Sons, Andrew, 44 Withers, Brooklyn, N. Y.
Watson, A. W., Brick Co., Greensboro, N. C.
Watson, A. W. & W. M., Co., lbr., sash, door & blind mfrs., Newton, Pa.
Watson Boat & Novelty Works, row boats, 2019 N. Division, Spokane, Wash.
Watson Bros., contractors, Gloucester, Mass.
Watson Bros., 170 Purchase St., Boston, Mass.
Watson Bros. & Co., flour mills, Cameron, W. Va.
Watson Bros. Co., canned goods, Greenwich, N. J.
Watson Bros. Machine Co., Inc., Bound Brook, N. J.

WATSON BROS. STEEL CO., Youngstown, O.

Watson, C. David L., 1022 S. 6th St., Terre Haute, Ind.
Watson Co., silver novelties, Attleboro, Mass.
Watson Co., contractors, Dallas, Tex.
Watson Co., Geo. E., 62 W. Lake St., Chicago.
Watson Co., H. F., Erie, Pa.
Watson Constr. Co., 15 Park Row, New York.
Watson Elevator Co., Inc., 407 W 36th St., New York.
Watson Engineering Co., The, 777 E. 79th St., Cleveland, O.
Watson, Fitzgerald, Co., common brick, Danville, Va.
Watson-Flagg Engineering Co., Paterson, N. J.
Watson, Frye Co., Ltd., Bath, Me.
Watson, Gavin F., stone producers, E. 72d & Blackstone av., Chicago, Ill.
Watson Hdwe. Co., Ashland, Ky.
Watson-Higgins Milling Co., flour, Grand Rapids, Mich.
Watson, J. D., & Co., paints, New Brunswick, N. J.
Watson, Jas. H., & Co., contrs., Kokomo, Ind.
Watson, Jas. H., Co., metallic window frame & sash, Bradley, Ill.
Watson, John, starch mfr., Houlton, Me.
Watson, John, & Co., mill & facty. supplies, whol. hdwe., Houlton, Me.
Watson, John B., 25th & Dickinson Sts., Philadelphia, Pa.
Watson, L. S., Mfg. Co., mill & facty. supplies, Leicester, Mass.
Watson Lands Lbr. Co., Nebraska, Pa.
Watson Machine Co., Paterson, N. J.
Watson Mfg. Co., L. S., Leicester, Mass.
Watson Mfg. Co., Jamestown, N. Y.
Watson Mfg. Co., Toledo, O.
Watson, N. A., Erie, Pa.
Watson Paint & Glass Co., 101 Wood St., Pittsburgh.
Watson-Penfield Corp., plumbers' supplies, jobbers, 29 S. Leed, New Bedford, Mass.
Watson Products Corp., motor trucks, Center, Canastota, N. Y.

WATSON-STILLMAN CO., THE, 38 Church, New York.
Works: Aldine, Union Co., N. J.
Pres.—E. A. Stillman.
V. P.—C. Wigtel.
Sec.—A. P. Nevin.
Treas.—J. D. Brocks.
Chf. Eng.—C. Wigtel.
Chicago—F. T. West.
New York—E. A. Stillman, C. Wigtel, H. D. Nitchie, W. B. Updegraff, W. A. Kelly, E. Breaden.
Richmond, Va.—Stewart H. Ford.

Watson, Thos. S., Co., voltage regulators, 537 Hartford av., Milwaukee, Wis.
Watson Truck Corp., Canastota, N. Y.
Watson, W. A., mill & facty. supplies, Greensburg, Ind.
Watson, W. E., & Co., rotary pumps, Long Beach av. & East Adams, Los Angeles, Calif.
Watson, Wm., Mach. Co., Trenton, N. J.
Watsontown Brick Co., Watsontown, Pa.
Watsontown Door & Sash Co., Watsontown, Pa.
Watt & Holmes Hardware Co., Cordele, Ga.
Watt & Sinclair, contractors, 348 W. 27th, New York.
Watt Bros., stone producers, Lafayette, Ohio.
Watt, F. N., Co., coffins, etc., Richmond, Ind.
Watt, Francis, & Co., mill & facty. supplies, 149 S. Front, Philadelphia, Pa.
Watt Hardware Co., Waycross, Ga.
Watt, James, & Bros., ties, poles & posts, Thomasville, Ga.
Watt Mining Car Wheel Co., Barnesville, O.
Watt Plow Co., Richmond, Va.
Watt, Robt., Mfg. Co., gas radiators, 1701 N. 20th, Philadelphia, Pa.
Watts Regulator Co., Lawrence, Mass.
Watt's Sons, Jno. M., 54 N. 2nd St., Philadelphia, Pa.
Watters & Martin, hardware, whol., Norfolk, Va.
Watterson, H. A., & Son, contrs., Citizens' bldg., Cleveland, Ohio.
Wattis, L. R., Co., contrs., Newhouse bldg., Salt Lake City, Utah.
Wattles, Richard H., fertilizer mfrs., Alexandria, Va.
Watts & Son, Berkeley, Cal.
Watts & Stern, machsts., 1303 Buttonwood, Philadelphia, Pa.
Watts Bros., lumber, Campbellstown, Ohio.
Watts Bros. Tool Wks., Turtle Creek, Pa.
Watts, Campbell Co., The, 298 Ogden St., Newark, N. J.
Watts, G., cornices, Honesdale, Pa.
Watts, J. H., sash, door & blind mfrs., Harriman, Tenn.
Watts Laundry Machine Co., Willimantic, Conn.
Watts Mfg. Co., agricultural implements, Jackson, Mich.
Watts Mills, cotton sheetings, Laurens, S. C.

WAUGH DRAFT GEAR COMPANY, 122 S. Michigan Ave., Chicago.

Waukegan Chemical Company, Waukegan, Ill.
Waukegan Machine Tool Co., Chicago Ridge, Ill.
Waukesha Brass Foundry Co., Waukesha, Wis.
Waukesha Foundry Co., Waukesha, Wis.
Waukesha Lime & Stone Co., Waukesha, Wis.
Waukesha Malleable Iron Co., Waukesha, Wis.
Waukesha Mfg. Co., packing box, Waukesha, Wis.
Waukesha Motor Co., Waukesha, Wis.
Waupaca Felting Mill, Waupaca, Wis.
Waupaca Sand & Gravel Co., Waupaca, Wis.
Waupaca Starch Co., Waupaca, Wis.
Waupun Canning Co., Waupun, Wis.
Wausau Abrasive Co., Wausau, Wis.
Wausau Abrasives Co., 612 W. Adams St., Chicago.
Wausau Box & Lumber Co., Wausau, Wis.
Wausau Canning Co., Wausau, Wis.
Wausau Fix. & Furn. Co., draughting tables, Wausau, Wis.
Wausau Foundry & Machine Co., Wausau, Wis.
Wausau Iron Works, machsts. & fndrs., Wausau, Wis.
Wausau Lumber Co., Wausau, Wis.
Wausau Mfg. Co., Wausau, Wis.
Wausau Novelty Co., turned wood nov., Wausau, Wis.
Wausau Paper Mills Co., Brokaw, Wis.
Wausau Quartz Co., Wausau, Wis.
Wausau Southern Lumber Co., Laurel, Miss.
Wausau Sulphate Fibre Co., Mosinee, Wis.
Waushara Granite Quarries Co., 133 W. Washington St., Chicago.
Wauwatosa Stone Co., 204 Grand Ave., Milwaukee, Wis.
Waverley Co., The, 139 E. East St., Indianapolis, Ind.
Waverly Machine & Tool Corp., Waverly, N. Y.

WAVERLY OIL WORKS COMPANY, Office and Wks., 54th St. and A. V. R. R., Pittsburgh, Pa.
Sec. & Treas.—Harry H. Willock.

Waverly Paper Box Board Co., Weston av., Newark, N. J.
Waxahachie Cotton Mills, Waxahachie, Tex.
Waxene Size Co., 334 Osborn St., Fall River, Mass.
Waxham Light Co., 552 W. 42d, New York.
Waxide Paper Co., Tracy & Berkowitz, Kansas City, Mo.
Way & Rankin, 588 Halsey St., Brooklyn, N. Y.
Way-Cleanse Co., auto bldrs., Sandusky, Ohio.
Way Co., Inc., A. F., 470 Tolland Burnside, Hartford, Conn.
Way, S. Harry, htg. contr., 12 Clay, Baltimore, Md.
Way Sagless Spring Co., Hennifit Ave. E. & S. E. 5th, Minneapolis, Minn.
Wayland Canning Co., Wayland, N. Y.
Waymart Knitting Mill, sweaters, Waymart, Pa.
Waymouth & Co., A. D., Broad St., Fitchburg, Mass.
Wayne Agricultural Wks., Goldsboro, N. C.
Wayne Belting & Supply Co., 123 E. Columbia St., Fort Wayne, Ind.
Wayne Brass Foundry Co., 4635 Butter, Pittsburgh, Pa.
Wayne Canning Co., Wayne, Mich.
Wayne County Canning Co., Ltd., Marion, N. Y.
Wayne Cut Glass Co., Tonawanda, Pa.
Wayne Engrg. Co., Honesdale, Pa.
Wayne Knitting Mills, Fort Wayne, Ind.
Wayne Lamp Co., Anthony, 1016 Savilla Ave., Fort Wayne, Ind.
Wayne Lbr. Co., 110 W. 40th, New York.
Wayne Machinery Co., Ft. Wayne, Ind.
Wayne Mfg. Co., 124 Siding St., St. Louis, Mo.
Wayne Mfg. Co., ash sieves, 2624 W. Haget, Philadelphia, Pa.
Wayne Mfg. Co., clothes washing machs., 124 Sidney, St. Louis, Mo.
Wayne Overall Co., 707 S. Clinton, Ft. Wayne, Ind.
Wayne Scrap Iron & Metal Co., 522 S. Campbell av., Detroit, Mich.
Wayne Soap Co., Copeland & M. C. R. R., Detroit, Mich.
Wayne Specialty Co., Ft. Wayne, Ind.
Wayne Steel Company, Erie, Pa.

WAYNE TANK & PUMP CO., 727 Canal St., Fort Wayne, Ind.
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V. P. & Gen. Mgr.—B. F. Geyer.
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Cincinnati, O.—715 Gwynne Bldg.
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Columbus, O.—607 1st National Bldg.
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Los Angeles, Cal.—135 W. Washington St.
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New York—1780 Broadway.
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San Francisco, Cal.—420-430 Fourth St.
Washington, D. C.—732 Woodward Bldg.
Foreign:
Toronto, Ont., Can.—165-187 Dufferin St.
London, W. C. 2, Eng.—Ingersoll House, 9 Kingsway.

Wayne Technical Institute, engng. school & coll., Greenville, Ohio.
Wayne Tool Mfg. Company, 274 N. Franklin St., Waynesboro, Pa.
Wayne Wheel Co., Newark, N. Y.
Wayne Works, Richmond, Ind.
Waynesboro Brick & Supply Co., Waynesboro, Pa.
Waynesboro Foundry & Machine Co., fndry., Waynesboro, Pa.
Waynesboro Milling Co., flour, Waynesboro, Va.

WAYNESBORO NUT LOCK COMPANY, Waynesboro, Pa.

Waynesburg Carriage Co., Waynesburg, Ohio.
Waynesburg Pressed Steel Co., Waynesburg, Pa.
Waynesville Canning Co., Waynesville, Ohio.
Wayte, Inc., W. J., 125 E. 46th St., New York
Waywell, Chappell & Co., floor surfacing machines, 38 N. Jackson, Waukegan, Ill.
Weaber, Adam, & Son, brass fndrs., Vineland, N. J.
Weakley, Frank M., arch'l engrs., Flatiron bldg., Norfolk, Va.
Weakley Lumber Co., S. H. Fort Smith, Ark.
Weakley-Watson-Miller Hardware Co., Brownwood, Tex.
Weaks Supply Co., Monroe, La.
Wear, Frank M., htg. contr., 206 E. 29th, New York.
Wear Proof Mat Co., 2156 Fulton St., Chicago.
Weare, Samuel W., machsts. & fndrs., Salisbury, Mass.
Wearne Bros., machsts. & fndrs., Omaha, Neb.
Wearwell Gasket & Packing Co., gasket & pkg. mfrs., 32 N. 3d, Camden, N. J.
Weary & Alford Co., 1923 Calumet Ave., Chicago.
Weary & Beck, mosaics, 1732 S. Michigan av., Chicago, Ill.
Weatherford Milling Co., flour, Weatherford, Okla.
Weatherhead, Thompson & Co., textile machy., Pawtucket, R. I.
Weatherholt, Marion, ties, Cloverport, Ky.
Weatherly Co., bk. railings, cornices, htg. contrs., etc., Grand Rapids, Mich.
Weatherproof Calking Co., calking putty & paste, Minneapolis, Minn.
Weather-Proofing Nail Co., Baltimore, Md.
Weatherly Foundry & Mfg. Co., Weatherly, Pa.
Weathers Poke Co., Windsor, Mo.
Weatherwax, Harry, architect, Yakima, Wash.
Weaver & Co., Edw. E., Tamaqua, Pa.
Weaver & Co., machsts. & fndrs., New Oxford, Pa.
Weaver & Stewart, architects & contractors, 222 Market, Harrisburg, Pa.
Weaver-Beach Co., Rochester, N. Y.
Weaver Bros., Shreveport, La.
Weaver Building & Supply Co., contrs., Hudson, N. Y.
Weaver, C. B., contrs., Wright & Callender bldg., Los Angeles, Calif.
Weaver Ebling Automobile Co., 2230 Broadway, New York.
Weaver, Frank M., structural steel, Dept. H, Lansdale, Pa.
Weaver Hdwe. Co., 31 Main, E. Rochester, N. Y.
Weaver, Ira B., flour mills, Gloucester, Va.
Weaver, Jos. & Son, ship bldrs., Orange, Tex.
Weaver-Loughridge Lumber Co., Boyd, Fla.
Weaver Mailing Envelope & Box Co., 717 Arch, Philadelphia, Pa.
Weaver M'g. Co., 2165-2181 S. 9th St., Springfield, Ill.
Weaver Piano Co., York, Pa.

Weaver Pottery Co., Catlettsburg, Ky.
Weaver, R. S., lbr., Victoria, Va.
Weaver-Roof Co., 339 E. 2nd St., Los Angeles, Cal.
Weaver Specialty Co., soldering flux, 6344 Aurelia, Pittsburgh, Pa.
Weaver's, Geo. F., Sons Co., brick, Utica, N. Y.
Webb & Son Co., Elisha, 136 S. Front St., Philadelphia, Pa.
Webb & Sons, A. L., Md. Trust Bldg., Baltimore, Md.
Webb & Sons, Jas. A., 110 E. 42nd St., New York.
Webb Belting Co., 1507 W. 12th St., Kansas City, Mo.
Webb, Chas. J., & Co., wool & cotton waste, 116 Chestnut, Philadelphia, Pa.
Webb City & Carterville Foundry & Machine Works, E. Main St., Webb City, Mo.
Webb Const. Co., Atl. Tr. Co. bldg., Atlanta, Ga.
Webb, David R., Edinburg, Ind.
Webb Electric Furnace Corp., 42 Church, New York.
Webb, F. P. & F. J., granite, Swanville, Me.
Webb, F. W., Mfg. Co., plumbers' supplies—jobbers, 56 Elm, Boston, Mass.
Webb, Geo. A., contrs., 118 W. Madison, Chicago, Ill.
Webb Granite & Constr. Co., Marlboro, N. H.
Webb, H. F., Co., canned goods, 57 E. Exchange, Portland, Me.
Webb Hinge Belt Hook Co., Boonton, N. J.
Webb, J. Beavor, naval architect, 27 Cedar, New York.
Webb, J. W., carriages, Plymouth, Ohio.
Webb-Jensen-Davis Co., printing inks, 597 Sackett, Brooklyn, N. Y.
Webb-Kunze Constr. Co., 5927 Fyler av., St. Louis, Mo.
Webb Mfg. Co., curtain poles, Brookville, Pa.
Webb Mfg. Co., 245-7 N. J. R. R. Ave., Newark, N.J.
Webb Mfg. Co., F. W., 56 Elm, Boston, Mass.
Webb Press Co., Ltd., machsts., Minden, La.
Webb Pink Granite Co., Milford, Mass.
Webb, T. A. W., & Son, woolen blankets, Allensville, Pa.
Webb, W. H., canned goods, Bloomingdale, Ind.
Webb, Wm., lumber, Mud Lick, Ky.
Webb Wire Works, New Brunswick, N. J.
Webber & Co., P. H., Hoopeston, Ill.
Webber Co., contractors, 1609 W. 25th, Cleveland, Ohio.
Webber, G. P., bathing suits & sweaters, 1404H Gratiot, Detroit, Mich.
Webber Iron Works, 3000 7th av., Birmingham, Ala.
Webber Lbr. & Supply Co., Summer, Fitchburg, Mass.
Webendorfer, H., silk fringes, tassels, 338 E. 103d, New York.
Weber & Co., David, 511 Locust St., Philadelphia, Pa.
Weber & Damme Wagon Co., 1619 N. Broadway, St. Louis, Mo.
Weber & Scher Mfg. Co., 1027 Springfield Ave., Newark, N. J.
Weber & Sons, pianos, 1256 Wellington av., Chicago, Ill.
Weber & Sons, Button Co., Muscatine, Ia.
Weber Auto Accessory Co., air compressors, 6th av. & N. 13th, Newark, N. J.
Weber Auto & Trailer Wks., bodies, etc., 1505 Santa Fe av., Los Angeles, Calif.
Weber Battery Co., 3332 W. Jackson blvd., Chicago, Ill.
Weber Brass Co., shade holders, Whitney Power blk., Cleveland, Ohio.

WEBER BROS. METAL WORKS, 122 N. Jefferson St., Chicago.

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Weber, Chas., Estate, wood handles, molds, etc., 2120 E. York, Philadelphia, Pa.
Weber Chimney Co., 332 S. Michigan Ave., Chicago.
Weber Co., A., Keokuk, Ia.

WEBER CO., F., Artists' Supplies, 1220 Buttonwood, Philadelphia, Pa.

Weber Co., Phillip H., Hoopeston, Ill.
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R. I.—Providence—Union Elec. Sup. Co., 60 Pine St.
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Weber, F., & Co., contrs., 809 Coml. bldg., Dayton, O.
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Weber, Fred & A., Co., sash, door & blind mfrs., 714 Freeman, Cincinnati, Ohio.
Weber, Henry C., Co., whol. hdwe., 281 Kitchener av., Detroit, Mich.
Weber, J. J., flour mills, Ashville, Pa.
Weber-King Lumber Co., Lake Charles, La.
Weber, Kirch Mfg. Co., cream separators, Keokuk, Ia.
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Weber, Lind Co., decorators & painters, 1832 Euclid av., Cleveland, Ohio.
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Weber, Louis, Bldg. Co., 50 Union sq., New York.
Weber, M., Co., auto wood bodies, Dayton, Ohio.
Weber Mfg. Co., floor scrapers, West Allis, Wis.
Weber, O. B., cornices & skylights, Mattoon, Ill.
Weber, O. J., Co., milk coolers, 759 S. Los Angeles, Los Angeles, Calif.
Weber, Oliver M., Co., sash, door & blind, North Wales, Pa.
Weber Piano Co., 29 W. 42nd St., New York.
Weber Planing Mill Co., Strasburg, Ohio.
Weber Show Case & Fixture Co., 316-330 S. Los Angeles St., Los Angeles, Cal.
Weber Supply & Specialty Co., baling presses, store fixtures, crates, etc., 2250 S. Union av., Chicago, Ill.
Weber Subterranean Pump Co., 50 E. 42nd St., New York.
Weber Tanning Co., 1712 Macadam St., Portland, Ore.
Weborg Bros., Spring Bed Co., Jamestown, N. Y.
Webster & Co., Warren, 17th & Federal Sts., Camden, N. J.
Webster & Keyser, 30th & Tasker Sts., Philadelphia, Pa
Webster & Perks Tool Co., Spring and Monroe Sts., Springfield, O.
Webster Basket Co., 1484 Railroad, Rochester, N. Y.
Webster Brick Co., Chillicothe, O.
Webster-Brinkley Co., 681 Alaska st., Seattle, Wash., & Lumbermen's bldg., Portland, Ore., & 303 E. 3d, Los Angeles, Calif.
Webster-Butterfield Co., canned goods, 2219 Boston, Baltimore, Md.
Webster, C., canned goods, East New Market, Md.
Webster Canning & Preserving Co., Webster, N. Y.
Webster Co., silver novelties—sewing thimbles, etc., North Attleboro, Mass.
Webster Co., F. S., 340 Congress, Boston, Mass.
Webster Co., F. I., Turner Falls, Mass.
Webster County Canning Co., Marshfield, Mo.
Webster Electric Co., magnetos, Racine, Wis.
Webster, F. J., hdwe. & mill supplies, Greenfield, Mass.
Webster, Frank L., & Son, machinists, Cherokee, Kan.
Webster, Frederick L., canned goods, Adams, N. Y.
Webster, Geo., & Sons, lbr., Swanton, Vt.
Webster, Geo. H., boot & shoe counters, Haverhill, Mass.
Webster Loom Harness Co., tex. machy. sup., 56 11th, Fall River, Mass.
Webster, Louis C., & Son, contractors, 114 Liberty, New York.
Webster Lbr. Co., Como av. & Belt Line R. R., Minneapolis, Minn.
Webster Mfg. Co., 1230 San Fernando rd., Los Angeles, Calif.

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OHIO—Cincinnati—1914 Union Central Bldg.
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CAN.—Toronto, Ont.—Webster-Inglis, Ltd., 14 Strachan Ave.

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Webster Piano Co., Leominster, Mass.
Webster, R., canned goods, Hurlock, Md.
Webster Refining Co., petroleum, Jennings, La.
Webster, S. L., & Son, fertilizer mfrs., Cambridge, Md.
Webster Stone Co., Irvington, Ky.
Webster, W., & Co., canned goods, Vienna, Md.
Webster, W. F., Cement Co., Cambridge, Mass.
Webster Warren & Co., 549 W. Wash., Chicago, Ill.
Webster, Warren & Co., heating contractors, Camden, N. J.
Weck, Edw., & Son, safety razor mfrs., 148 Fulton, New York.
Wedd Lumber Co., Weed, Cal.
Wedell & Boers, 28 Jefferson Ave., Detroit, Mich.
Wedge Mechanical Furnace Co., Philadelphia, Pa (Now Bethlehem Fdry. & Machine Co.)
Wedmore, D. A., & Co., fruit pickers, wire goods, Camden, N. J.

WEDRON SILICA CO., 36 S. Dearborn St., Chicago.

Weeber, C. F., Mfg. Wks., pullers, tools, etc., Albany, N. Y.
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Weed & Co., 95 Swan St., Buffalo, N. Y.
Weed & Co., J. D., Savannah, Ga.
Weed, F. A., Hardware Co., Potsdam, N. Y.
Weed, Lewis M., Co., Inc., sporting gds., Binghamton, N. Y.
Weed Lumber Co., Weed, Calif.
Weed, W. H., mill & facty. supplies, Vincennes, Ind.
Weeden Bros., contrs., Menlo Park, Calif.
Weeden Mfg. Co., Bethel Ave., New Bedford, Mass.
Weeder, F., Ellsworth, glass stainer, 34 S. 16th, Philadelphia, Pa.
Weedicator Weed Co., weed killers, 1238 E. 6th, Los Angeles, Calif.
Weedie, A. L., lbr., Sweet Home, Ore.
Week Lumber Co., John, Stevens Point, Wis.
Weeks, A. J., now M. A. Knight, Akron, O.
Weeks Hdwe. Co., whol., 119 N. Wash. av., Scranton, Pa.
Weeks-Howe-Emerson Co., ship chandlers, 90 Market, San Francisco, Calif.
Weeks Mfg. Co., Inc., Frank A., 93 John St., New York.
Weeks Mfg. Co., H. G., Hamilton, O.
Weeks, Nelson (Lighting Reflectors), Meadowmere, Brooklyn, N. Y.
Weeks, P. L., & Co., turpentine, Enville, Fla.
Weeks, R. E., Co., plumbers' & steam fitters' supplies (jobbers), Wyoming av. & Washington, Scranton, Pa.
Weeks, Theo., sash, door & blind, Kingston, N. Y.
Weekes & Son Co., John, Watertown, N. Y.
Weekes-Hoffman Co., The, 122 Dick St., Syracuse, N.Y.
Weems, M. K., engine pistons, Quincy, Ill.
Wege, E., Concrete Machy. Co., La Crosse, Wis.
Wege Marble & Tile Co., Central Nat'l Bank bldg., Columbus, Ohio.
Wegenaar, L. A., Mfg. Wks., advtg. spec., 8 E. 41st, New York.
Wegenaar, John L., Co., granite prod., 41 Park Row, New York.
Wegman, Wm. J., Co., mattresses, Rochester, N. Y.
Wegner Bros. Co., htg. contrs., 227 5th, Milwaukee, Wis.
Wegner, J. F., & Co., wholesale hardware, Fond du Lac, Wis.
Wegner Mach. Co., 78 Main, Buffalo, N. Y.
Wegner Machine Works, Inc., Julius, 63 Mills St., Astoria, L. I., N. Y.
Wehr & Walden, engrs., 100 W. Fayette, Baltimore, Md.
Wehr Steel Co., West Allis, Wis.
Wehrle Co., stove mfrs., Newark, Ohio.
Wehrman, Wm., cornices & skylights, St. Joseph, Mo.
Wehrung & Billmeier Co., gold leaf, 3624 Lincoln av., Chicago, Ill.
Weiblen, A., Marble & Granite Co., City Park av. & St. Louis, New Orleans, La.
Weicht, H. B., coffins, etc., Angola, Ind.
Weick, Martin Co., trunk mfrs., 1623 S. Ashland, Chicago, Ill.
Weidenhoff, Jos., 4352-58 W. Roosevelt Rd., Chicago.
Weidenthal-Gasliner Electrical Works, Inc., 623 Mission St., San Francisco, Cal.
Weider, John A., horse collars, Rochester, N. Y.
Weidig Foundry Co., stove mfrs., Zanesville, Ohio.
Weidlich Bros. Mfg. Co., machsts., Conn av. & Florence, Bridgeport, Conn.
Weidlich Sterling Spoon Co., table silverware, Conn av., Bridgeport, Conn.
Weidman & Son Co., lbr., Trout Creek, Mich.
Weidman, Augustus, fertilizer mfr., Hagerstown, Ind.
Weidman-Fisher Co., cigar boxes, Tampa, Fla.
Weidner, C. A., Co., machsts., Rochester, N. Y.
Weier Bros., scrap iron, Sandusky, Ohio.
Weierbach Brake Shoe Co., 226 W. Olive St., Scranton, Pa.
Weifenbach, Geo., marble interior work, 145 W. 35th, Los Angeles, Calif.
Weigand & Doerzbacher, leather, 54 Morris av., Newark, N. J.
Weigel, Geo. G., advtg. nov., 1136 Pratt blvd., Chicago, Ill.
Weigel, John, Co., cornices, 664 E. McMillan, Cincinnati, Ohio.
Weigel Machine Tool Co., Peru, Ind.
Weigel, Phillip, Jr., mill & facty. supplies—whol. hdwe., New Brunswick, N. J.
Weigele, Wm. A., Steel Pipe Wks., steel tanks, Denver, Colo.
Weigell & Son, A., 320 Broadway, Milwaukee, Wis.
Weigell, A., & Son, mattresses, 320 Broadway, Milwaukee, Wis.
Weigelt Glass & Mirror Mfg. Co., 615 S. 6th St., St. Louis, Mo.
Weigle, Wm. A., Pipe Wks., 3001 Larimer, Denver, Colo.
Weil & Co., J. H., 512 Webster St., Philadelphia, Pa.
Weil, A. B., & Co., Inc., plbrs.' supplies, 1923 E. 7th, Los Angeles, Calif.
Weil, C. M. & V., leather, 3057 N. Rockwell, Chicago, Ill.
Weil Eisendroth, leather, 2221 Elston av., Chicago, Ill.
Weil-Gutmann Supply Co., mill & supplies, 636 S. Peters, New Orleans, La.
Weil, Louis, aluminum castings, ingots & metals, 93 West, New York.
Weil-McLain Co., Michigan City, Ind.
Weil, Ransom Co., dusters, 816 Fulton, Chicago, Ill.
Weil, S. & Son, paste & size, 194 Franklin, New York.
Weil's Son, Morris, 1141 N. 2nd St., Philadelphia, Pa.

Weiland, Inc., Chas., 149 Chambers St., New York.
Weimann Brothers Mfg. Co., Derby, Conn.
Weimar Brothers, 2042-48 Amber St., Philadelphia, Pa.
Weimber, Abe, brooders & incubators, Ligonier, Ind.
Weimer, C. A., ventilator mfrs., Lorain, Ohio.
Weimer Chain & Iron Co., Lebanon, Pa.
Weimer Machine Works Co., Lebanon, Pa.
Weinberg, J. H., & Co., lubrg. oils & greases, 150 Madison av., New York.
Weingarten & Geberer, 90 Grand St., New York.
Weingartner's, Jos., Sons, sash, door & blind mfrs., Newport, Ky.
Weinhagen & Hespe, thermometers, syringes, etc., 159 Leonard, New York.
Weinman Bros., advtg. novelties & leather gds., 12 E. 9th, Chicago, Ill.
Weinman Pump Mfg. Co., 274-80 Spruce St., Columbus, O.
Weinmann, C. F., cornices & skylights, Atchison, Kans.
Weinstein, Sam'l, sash, door & blind mfrs., 100 Richardson, Brooklyn, N. Y.
Weinstock-Nicholas Co., San Francisco, Cal.
Weintz Bros., Evansville, Ind.
Weinz Trimming Co., silk tassels, 99 Bedford, Boston, Mass.
Weir & Craig Mfg. Co., 150 W. 61st St., Chicago.
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San Francisco, Cal.—New Call Bldg., John L. Key.

Weir, R. W., Lumber Co., Houston, Tex.
Weir Stove Co., Taunton, Mass.
Weirton Steel Co., Weirton, W. Va.
Weis & Jennett Marble Co., 3011 Missouri, St. Louis, Mo.
Weis, F. W., cornices & skylights, Lexington, Mo.
Weis, Hy., Cornice Co., 4124 E 12th, Kansas City, Mo.

WEIS MFG. CO., 642 Union St., Monroe, Mich.

Weis Mfg. Co., Henry, Atchison, Kan.
Weis Paper Mill Co., Quincy, Ill.
Weis-Patterson Lumber Co., Inc., Pensacola, Fla.
Weisbard, C. C., sashes, doors & blinds, Cedar Falls, Ia.
Weisbecker, Chas., meat packer, 268 W. 125th, New York.
Weisberg, Baer Co., sash, door & blind mfrs., Blvd., Long Island City, N. Y.
Weisberg, Max, mattresses, 100 Hoyt, Brooklyn, N. Y.
Weisel, Harvey H., machsts., Milford Square, Pa.
Weisel, Milton T., carriages, Perkasie, Pa.
Weiser, Arthur, 9 W. 48th, New York.
Weiser Hdwe. Mfg. Co., Inc., 5209 Pacific blvd., Los Angeles, Calif.
Weiser, H. M., flour, Hamilton, Tex.
Weisfeld Bros., sash, door & blind mfrs., 530 Porter Brooklyn, N. Y.
Weisglass, S., & Co., bedstead mfrs., 36 Milford, Brooklyn, N. Y.
Weishaupt Iron Wks., 1232 S. Western av., Chicago, Ill.
Weiskittel & Sons Co., A., 12th & Lombard Sts., Baltimore, Md.
Weiskopf Co., A., (Barometers, Etc.), 218 E. 37th St., New York.
Weiss & Co., whol. hdwe., Freeport, Ill.
Weiss & Fritts, carriages, Frenchtown, N. J.
Weiss & Klau Co., window shade mfrs., 462 Broadway, New York.
Weiss & Lesh Plant, Motor Wheel Corp., 115 Wisconsin St., Memphis, Tenn.
Weiss, B. M., 1324 Widener Bldg., Philadelphia, Pa.
Weiss, Chas., & Son, carriage fasteners, 4715 Cottage Grove av., Chicago, Ill.
Weiss, H., & Co., sheet metal wkrs., machs. & supplies, 83 John, New York.
Weiss Instrument Co., The Club Bldg., Denver, Colo.
Weiss, L. T., razor guards, 286 Taaffe pl., Brooklyn, N. Y.
Weiss, Otto, Milling Co., alfalfa meal, Wichita, Kans.
Weiss Polish Wks., carriage dressing, 216 S. Winchester av., Chicago, Ill.
Weissbrod, Emil, & Sons, advtg. nov. & specialties, Greenfield, Mass.
Weissinger, Geo., & Bro., meat packers, Pottsville, Pa.
Weitz, Chas., Sons, contractors, Des Moines, Ia.
Weitzel & Larson Contng. Co., Bakersfield, Calif.
Weitzel Lbr. Co., Sedgeley & Gtn. avs., Philadelphia, Pa.
Weitzel, M. B., second hand bags, Lititz, Pa.
Welbilt Auto-Body Co., 1420 S. Los Angeles, Los Angeles, Calif.
Welch & Co., E. J., 16 Atlantic St., Fitchburg, Mass.
Welch & Sons, Inc., J. H., 1915 Columbia St., Fort Wayne, Ind.
Welch, A. P., Co., turkish towels, Glen Riddle, Pa.
Welch Bedding Co., mattresses, springs, etc., cor. 5th & Ochoa, El Paso, Texas.
Welch-Bright Co., Monaca, Pa.
Welch Bros. Apple Co., canned goods, Burlington, Vt.
Welch Co., T. F., 150 Portland St., Boston, Mass.
Welch Construction Co., Joliet, Ill.
Welch Furn. Co., Dept. H, High Point, N. C.
Welch, Holme & Clark Co., oils, potash, etc., 383 West, New York.
Welch, John, & Sons, bldg. contrs., Somerville, Mass.
Welch Mfg Co., 5 Lyon St., N. E., Grand Rapids, Mich.
Welch, Mary E., & Co., canned goods, Thaxton, Va.
Welch, P., & Co., contractors, Spokane, Wash.
Welch Supply & Equipt. Co., contrs.' & mill supplies, Welch, W. Va.
Welch, U. S., flour, Terra Alta, W. Va.
Welch, W. M., Scientific Co., laboratory supplies, 1516 Orleans, Chicago, Ill.
Welch Wholesale Hardware Co., Clinton, Ia.
Welchans, A. C., Lancaster, Pa.
Weld & Co., Geo. A., 79 Milk St., Boston, Mass.
Weld Bobbin & Spool Co., 42 Island, Lawrence, Mass.
Weldcraft Equipment Co., 2051 Penn Ave., Pittsburgh, Pa.
Welded Products Co., The, 283 Orleans St., Detroit, Mich.
Welded Steel Barrel Corp., Hart & Charlevx Sts., Detroit, Mich.
Welders Supply & Mfg. Co., 120 Opera Place, Cincinnati, O.
Weldex Co., stock fountains, Richmond, Ind.
Weldex Mfg. Co., hog oilers, Richmond, Ind.
Weldin Co., J. R., 413 Wood St., Pittsburgh, Pa.
Welding Engineer, trade publication, 608 South Dearborn, Chicago, Ill.

WELDING MATERIALS CO., 116 Liberty St., New York.

Welding Metals Mfg. Co., The, 4402 Perkins Ave., Cleveland, O.
Welding Service & Supply Co., elec. welding machy., 559 Howard, San Francisco, Calif.
Weldless Pile Band Co., 232 Fulton St., New York.
Weldless Tube Co., Wooster, O.
Weldit Acetylene Co., 144 W. Larned St., Detroit, Mich.
Weldner, Jacob K., machsts., Salfordville, Pa.
Weldon Contr. Co., Rahway, N. J.
Weldon Lbr. Co., Weldon, N. C.
Weldon, S. A., & Son, mill & facty. supplies, Bristol, Conn.
Weldon, Williams & Lick, Ft. Smith, Ark.
Weldum Products Co., 404 Wulsin Bldg., Indianapolis, Ind.
Weler, H. P., Supply Co., hdwe., mill & facty. supplies, Erie, Pa.
Welever Piston Ring Co., 1701 Canton, Toledo, Ohio.
Welin Marine Equip. Co., 50 E. 42nd St., New York.
Welitoff, Nathan, 249 Wash., Jersey City, N. J.
Welker Supply Co., The, 6504 Carnegie Ave., Cleveland, O.
Well-Gutman Supply Co., New Orleans, La.
Welland Co., carriages, 2414 Gilbert av., Cincinnati, O.
Wellen, M., & Son, trunk mfrs., 83 Wooster, New York.
Weller & Co., Jefferson County Bank Bldg., Birmingham, Ala.
Weller Constr. Co., The, 816 14th, N. W., Washington, D. C.
Weller Engng. Co., machsts., Elyria, Ohio.
Weller Hdwe. & Fdry. Co., Horseheads, N. Y.
Weller, J. A., & Sons, steam fitters' supplies, Emlenton, Pa.
Weller, J., Co., canned goods, Oak Harbor, Ohio.
Weller, John W., lumber, East Fultonham, Ohio.
Weller, M. D., archl. iron, Pottstown, Pa.
Weller Mfg. Co., 1856 N. Kostner Ave., Chicago.
Weller Pattern Co., Quincy, Ill.
Weller Supply Co., H. P., Erie, Pa.
Weller, S. A., Zanesville, O.
Weller's, Hiram, Sons Co., motor boat bldrs., Trenton, N. J.
Welles, M. H. & G. H., Lbr. Co., Wyalusing, Pa.
Wellhener, Wm., Htg. & Sheet Metal Co., cornices, Springfield, Mo.
Welling, A. H., machsts. & fndrs., Niles, Mich.
Wellington Glass Co., Cumberland, Md.
Wellington-Kincaid Co., htg. contrs., Riparian av., Bridgeport, Conn.
Wellington Machine Co., Wellington, O.
Wellington Milling & Elevator Co., Wellington, Kan.
Wellington Milling Co., mill feed, Anderson, Ind.
Wellington Piano Case Co., Leominster, Mass.
Wellington, Sears & Co., 93 Franklin, Boston, Mass.
Welliver Hdwe. Co., W. W., Danville, Pa.
Welliver, W. H., contrs., Elmira, N. Y.

WELLMAN BRONZE CO., THE, 6017 Superior Ave., Cleveland, O.

Wellman Company, Medford, Mass.
Wellman Products Co., 1444 E. 49th St., Cleveland, O.
Wellman-Seaver-Morgan Co., 7000 Central Ave., Cleveland, O.
Wellock, Robinson, Harbor Beach, Mich.
Wells & Co., 2501-15 S. Dearborn St., Chicago.
Wells & Co., Inc., A. H., Waterbury, Conn.
Wells & Newton Co., Ave. B and 17th St., New York.
Wells & Richardson Co., Burlington, Vt.
Wells & Stump, cornices & skylights, Oskaloosa, Ia.
Wells-Abbott-Nieman Co., flour, Schuyler, Neb.
Wells Arch'l Iron Co., River av. & 151st, New York.
Wells, Arthur T., cornices, Muncie, Ind.
Wells Bros. Co., see Greenfield Tap & Die Corporation, Greenfield, Mass.
Wells Bros. Co., contrs., 907 5th av., New York, & Riggs bldg., Washington, D. C.
Wells Bros. Construction Co., Monadnock Bldk., Chicago.
Wells, Bulkeley, see Metals Exploration Co. (successor).
Wells Chemical Bronze Works, 65 Temple St., Worcester, Mass.
Wells Co., Frank L., Kenosha, Wis.
Wells Co., Inc., The, Frank O., Greenfield, Mass.
Wells Corporation, The, taps, stocks & dies, reamers, screw plates, broaches, keyway sets, tool sets, knives, etc., 15 Arch, Greenfield, Mass.
Wells, F. C. (Est. of), 101 S. Clinton St., Chicago.
Wells Flour Milling Co., Wells, Minn.
Wells, Geo., mach. & fndr., Sedalia, Mo.
Wells, Hdwe. Co., Inc., mill & facty. supplies, Holyoke, Mass.
Wells, Harry M., boilers, Alexandria, Ind.
Wells-Higman Co., berry boxes, St. Joseph, Mich.
Wells, J. W., Brick Co., near Elyria hosp., Chattanooga, Tenn.
Wells, Jas. M., Co., mortar color mfrs., Ogdensburg, N. Y.
Wells, Lamson Quarry Co., Barre, Vt.
Wells Lumber Co., J. W., Menominee, Mich.
Wells, M. J., stone, Ft. Worth, Tex.
Wells-Morris Mfg. Co., electric irons & motor starting switches, 673 Folsom, San Francisco, Calif.
Wells, R. C., Mfg. Co., electric lighting systems, Fond du Lac, Wis.
Wells, Theo. D., naval arch., 11 B'way, New York.
Wellston Iron Furnace Co., The, Jackson, O.
Wellston Mfg. Co., pipeless furnaces, Wellston, Ohio.
Wellsville Burial Case Co., coffins, caskets, etc., Wellsville, N. Y.
Wellsville China Co., Wellsville, Ohio.
Wellsville Fire Brick Co., Wellsville, Mo.
Wellsville Mfg. Co., fly nets, Wellsville, Pa.
Wellsville Refining Co., Wellsville, N. Y.
Welsbach Co., Gloucester, N. J.
Welsbach Gas Lamp Co., 392 Canal, New York.
Welsbach Street Lighting Co. of America, 1934 Market St., Philadelphia, Pa.
Welsford Lbr. Co., Danforth, Me.
Welsh & Grey, Lbr. Corp., Albany, N. Y.
Welsh & Kerry Co., lumber, masons' & bldrs.' matls., Reed City, Mich.
Welsh Lumber Co., Florida & Speedway Sts., Memphis, Tenn.
Welsh, Wm., water filters, 2733 Arbor av., Hyde Pk., Cincinnati, Ohio.
Welshous & Symon, machinists, 3648 18th, San Francisco, Calif.
Welson & Roake, heating boilers, etc., 261 Front, New York.
Welte & Sons, Inc., M., 667 5th Ave., New York.
Welte, M., & Sons, musical instruments, 667 5th av., New York.
Welte, M., & Son, piano mfrs., Poughkeepsie, N. Y.
Welter Lbr. Co., Dorris, Calif.
Welty, Wm. A., adding mach. stands & fountain pen mfrs., Waterloo, Ia.
Wemlinger, J. R. & Co., Inc., 149 B'way, New York.
Wemyss Furness Co., furn., Dept H., Fulton av., & Belt R. R., Evansville, Ind.
Wenatchee Brick & Tile Co., Wenatchee, Wash.
Wenatchee Lumber Co., The, Wenatchee, Wash.
Wenatchee Milling Co., flour, Wenatchee, Wash.
Wenatchee Rex Spray Co., Wenatchee, Wash.
Wendell & Co., silver nov., 618 W. Jackson blvd., Chicago, Ill.
Wendell & MacDuffie Co., 110 E. 42nd St., New York.
Wendell, Fay L., & Co., employees' uniforms, 25 Madison av., New York.
Wenderoth, J., & Sons, fertilizer mfrs., Camden, N. J.
Wendland, C. F., Eng. & Constr. Co., 42 Bond, New York.
Wendland Engineering & Construction Co., C. F., 60 Wooster St., New York.
Wendling, A. F., Co., contractors, Massillon, Ohio.
Wendling, Jos., Art Glass Co., 720H S. 4th, St. Louis, Mo.
Wendling, Nathan, Co., lumber, 110 Market, San Francisco, Calif.

WENDNAGEL & CO., 620 W. 22d St., Chicago.

Wendt & Rausch Co., pads & tablets, Toledo, Ohio.
Wendt, Albert H., bolts, chains, etc., 329 Wash. Newpt., Cincinnati, O.
Wendtland, Wm., machst., 51 Mercer, New York.
Weng, L. E., & Son, lumber, Daggett, Mich.
Wenger Corp., Paul, 56 Liberty St., New York.
Wenger Mfg. Co., The, Warsaw, Ind.
Wengert Hardware Co., 1221 Grand av., Kansas City, Mo.
Weniger, H., surgical instruments, 143 Valencia, San Francisco, Calif.
Wenkenbach's, Wm., Sons, auto. bodies & carriages, 1314 Germantown av., Phila., Pa.
Wennemer Constr. Co., 103 Park av., New York.
Wenning, Jno., machst., 225 E. 106th, New York.
Wennonah Cotton Mills, Lexington, N. C.
Wennstrom's Sons Inc., John, Suffern, N. Y.
Wensel, L., see Welser Hardware Mfg. Co., Inc. (successors).
Wensley Metal Products Co., 2232 Blake, Denver, Colo.
Wenstrom's John, Sons, machsts., 623 Bergen, Brooklyn, N. Y.
Went, C. H., machst., Findlay, Ohio.
Wente Elec. Co., Hamilton, Ohio.
Wentink Manufacturing Corp., Menasha, Wis. (Paper & Pulp Mill Machinery.)
Wentworth, Fred W., architect, 140 Market, Paterson, N. J.
Wentworth Institute, engng. schools & coll., Boston, Mass.
Wentworth, Lew, lumber, Omaha, Neb.
Wentz Co., Hazleton, Pa.
Wentz, O. W., machsts. & fndrs., Warsaw, Ind.
Wenz Co., 1133 Hamilton, Allentown, Pa.
Wenzel, B., Tent & Duck Co., 1036 Paul St. Louis, Mo.
Wenzel, F. M., Sheet Metal Co., cornices, Joplin, Mo.
Wenzel Tent & Duck Co., H., 1035 Paul St., St. Louis, Mo.
Wenzell, S. S., Machine Co., bottle working machy., 5000 Parkside av., Philadelphia, Pa.
Wenzelman, G., presses, baling, Galesburg, Ill.
Wenzelman, Gustave, pianos, Galesburg, Ill.
Wenzelman Mfg. Co., Galesburg, Ill.
Weot Lime & Stone Co., Tiffin, Ohio.
Werby, A., & Co., scrap iron, 47 Beverly, Boston, Mass.
Werby, Benjamin, Co., second-hand machinery dealers, 81 Haverhill, Boston, Mass.
Werk Co., The, M., (Soaps, Etc.) Murray Ave., St. Bernard, Cincinnati, O.
Werk, Robert, & Co., clothes-press, 2519 St. Philip, New Orleans, La.
Werking, John E., lbr., Hagerstown, Ind.
Werling, Albert, common brick, Preble, Ind.
Wern Machinery & Engineering Co., 30 Church St., New York.
Werner & Pfeiderer, White Plains, N. Y.
Werner Electric Water Heating Co., Inc., 1221 Santa Fe av., Los Angeles, Calif.
Werner, Geo., & Sons, auto. metal bodies, Buffalo, N. Y.
Werner, Geo. P., cornices & skylights, Galveston, Tex.
Werner, John, & Sons, confectioners' machy., Rochester, N. Y.
Werner, Louis, Saw Mill Co., lbr. mfrs., Fullerton Bldg., St. Louis, Mo.
Werner, Louis, Stave Co., Shreveport, La.
Werner Machine Co., West Allis, Wis.
Werner Piano Co., 1325 Milwaukee av., Chicago, Ill.
Werner Saw Mill Co., Louis, Fullerton Bldg., St. Louis, Mo.
Werra Aluminum Foundry Co., Inc., Waukesha, Wis.
Wersel, Frank B., Jr., furniture, 1104H Kenner, Cincinnati, O.
Wert, C. C., cement block machy., Kendallville, Ind.
Wert Mfg., The, 1616 W. Lake St., Chicago.
Werthan Bag Co., 12th & Clinton, Nashville, Tenn.
Werthan Bag Co., 70 Dock, St. Louis, Mo.
Wertheimer Bros., sweaters, etc., 894 B'way, New York.
Wertley, Walter, Sons, sash, door & blind, Pottsville, Pa.
Wertsch, Wm., Co., carriages, 24 Page, San Francisco, Calif.
Wertz, Robert W., flour mills, Wernersville, Pa.
Wesche Electric Co., 1622-1628 Vine St., Cincinnati, O.
Wesco Blower & Pipe Co., exhausters, 1739 E. 14th, Oakland, Calif.
Wesco Co., contrs., Vol. Life Bldg., Chattanooga, Tenn.
Wesco Supply Co., 7th & Clark Ave., St. Louis, Mo.
Wescott & Sons, A. A., Hopedale, Mass.
Wesel Mfg. Co., F., 72 Cranberry St., Brooklyn, N. Y.
Wesely, Chas., Co., laundry tubs, 3126 S. Canal, Chicago, Ill.
Weser Bros., Inc., pianos, 524 W. 43d, New York.
Wesle Bros., carriages, Medford, Wis.
Wesley Mfg. Co., check perforators, 31 Beekman, New York.
Wessel, Duval & Co., nitrate of soda, 25 Broad, New York.
Wessel, H., brick, Batesville, Ind.
Wessel, Herman, Mfg. Co., mattresses, 624 Main, Cincinnati, O.
Wessells, W. F., mill & facty. supplies, Peekskill, N. Y.
Wessels, D. D., artificial laundry tubs, 1635 Euclid, Detroit, Mich.
Wessendorf, Chas., Co., cornices & skylights, 195 Washington av., Memphis, Tenn.
Wessling Bros. Fndry. Co., Liberty & McLean avs., Cincinnati, O.
Wessoleck, A. W., wind shield cleaners, 246 Hart, New Britain, Conn.
Wesson Cotton Oil & Fertz. Co., Wesson, Miss.
West & Co., 45 S. Raymond av., Pasadena, Calif.
West & Dodge Co., 37 Parkman St., Boston, Mass.
West & Reaves Lumber Mills, Inverness, Fla.
West & Townsend, agricultural implements, Martinsville, Ohio.
West, A. J., Lumber Co., Aberdeen, Wash.
West Allis Foundry Co., West Allis, Milwaukee, Wis.
West, Alonzo A., cornices & skylights, Malden, Mass.
West American Rubber Co., 400 N. av. 19th, Los Angeles, Calif.

West, Arthur F., contractors, 3911 Garden blvd., Baltimore, Md.
West Barnstable Brick Co., West Barnstable, Mass.
West Bay City Sugar Co., West Bay City, Mich.
West Bend Aluminum Co., West Bend, Wis.
West Bend Barn Equipment Co., cow watering bowls, cattle stanchions, West Bend, Wis.
West Bend Canning Co., West Bend, Wis.
West Bend Woolen Mills, woolen blankets, West Bend, Wis.
West Bergen Iron Fndry., 21 Pollock av., Jersey City, N. J.
West Box Co., F. M., 225 Liberty St., Springfield, Mass.
West Boylston Mfg. Co., tire fabrics, Easthampton, Mass.
West Branch Fire Brick Co., Renova, Pa.
West Branch Knitting Co., bathing suit mfrs., Milton, Pa.
West Branch Novelty Co., cedar chests, Arch St., Milton, Pa.
West Bros. Brick Co., Arlington, Va.
West Bros. Brick Co., Natl. Saving & Trust Bldg., Washington, D. C.
West Carrollton Parchment Co., Dayton, O.
West Carrollton Parchment Co., West Carrollton, O.
West, Chas. F., ice creepers, 3861 Lancaster av., Phila., Pa.
West Chester Engine Co., oil engines, West Chester, Pa.
West Chicago Sash & Door Mfg. Co., West Chicago, Ill.
West Coast Asbestos Co., Downey, Calif.
West Coast Casket Co., 1489 E. 4th, Los Angeles, Calif.
West Coast Chair Co., 26th & East G, Tacoma, Wash.
West Coast Equipment Co., machy. dlrs., Hearst Bldg., San Francisco, Calif.
West Coast Fertilizer Co., Tampa, Fla.
West Coast Forest Products Bureau, 3851 Grand Central Terminal, New York.
West Coast Gas Engine Co., San Diego, Calif.
West Coast Glass Co., milk bottles, Box 262 Huntington park, Los Angeles, Calif.
West Coast Iron & Steel Works, Inc., boilers, tanks, etc., 485 N. 28th, Portland, Ore.
West Coast Iron Wks., mchsts. & fndrs., Seattle, Wash.
West Coast Kalsomine Co., paints, 5th & Grayson, Berkeley, Calif.
West Coast Laundry Machinery Co., 3246 17th, San Francisco, Calif.
West Coast Lumbermen's Assn, 425-32 Henry Bldg., Seattle, Wash.
West Coast Machinery Co., new & rebuilt, 1006H 1st av., S., Seattle, Wash.
West Coast Packing Co., canned goods, Long Beach, Calif.
West Coast Plumbing Supply Co., 831-37 S. Alameda, Los Angeles, Calif.
West Coast Porcelain Mfrs., plbrs.' supplies, Millbrae, Calif.
West Coast Soap Co., 26th & Poplar, Oakland, Calif.
West Coast Specialty Co., furn., card tables & ironing boards, Fitzpatrick Bldg., Portland, Ore.
West Coast Steel Co., auto. bodies, springs, hdwe., etc., 1948 Pacific av., Tacoma, Wash.

WEST COAST WIRE & IRON WORKS, 861 Howard, San Francisco, Cal.

West Co., carriages, 4017 Liberty av., Pittsburgh, Pa.
West Co., M. G., 115 Front St., San Francisco, Calif
West Construction Co., The, American Bldg., Baltimore, Md.
West Construction Co., The, Volunteer Life Bldg Chattanooga Tenn.

WEST DISINFECTING CO., 411 Fifth Ave., New York.
Chicago R. R. Dept.—Room 548, Railway Exchange, New York—R. R. Dept., H. E. Daniels, Mgr.; C. P. Williams, East Rep., S. H. Flannagan, S. W. Rep., E. C. Daniels, N. W. Rep.,

West Distributing Co., Inc., 27 Thames, New York.
West Dudley Paper Co., West Dudley, Mass.
West Electric Hair Curler Co., Hancock & Columbia, Phila., Pa.
West End Coal Co., Springfield, Ill.
West End Coal Co., anthracite, Mears Bldg., Scranton, Pa.
West End Cornice Co., 13 Lindall pl., Boston, Mass.
West End Cornice Wks., 925 Clarendon, St. Louis, Mo.
West End Furn. Co., Dept. H, Rockford, Ill.
West End Lbr. Co., Bridgeport, Conn., and San Antonio, Tex.
West End Mattress Co., 63 Pitts, Boston, Mass.
West End Paper Co., Carthage, N. Y.
West End Pottery Co., East Liverpool, Ohio.
West End Sash Co., 53 First, Boston, Mass.
West End Spring Bed Co., 103 Merrimac, Boston, Mass.
West End Thread Co., 28 Lincoln St., Boston, Mass.
West, F. M., Box Co., 121 Lowell av., Springfield, Mass.
West Falmouth Mfg. Co., carriage wheels, etc., West Falmouth, Me.
West Fork Glass Co., window, Clarksburg, W. Va.
West Fork Mill Co., flour, West Fork, Ark.
West Frankfort Coal Co., West Frankfort, Ill.
West, Geo. C., 83 1st, Portland, Ore.
West, Geo. W., elec. contr., Grass Valley, Calif.
West Gin & Mill Co., flour, West, Miss.
West, H. T., Co., turpentine, etc., 148 State, Boston, Mass.
West Haven Buckle Co., West Haven, Conn.
West Haven Mfg. Co., (Now Millers Falls Co., Millers Falls, Mass.) West Haven, Conn.
West Huntsville Cotton Mills Co., Huntsville, Ala.
West, J. H., Lbr. Co., Warren, Pa.
West, Jas. E., & Co., vegetable oils, 711H Arctic Bldg., Seattle, Wash.
West Jersey Marl. & Trans. Co., fertilizer mfrs., Woodbury, N. J.
West Jersey Paper Mfg. Co., Camden, N. J.
West, Jos., brick, Rockport, Mo.
West Kentucky Coal Co., Sturgis, Ky.
West Lafayette Mfg. Co., West Lafayette, O.
West Latrobe Fndy. & Mach. Co., Latrobe, Pa.
West Leechburg Steel Co., Farmers Bank Bldg., Pittsburgh, Pa.
West Lbr. & Box Co., Fayetteville, N. C.
West Lumber Co., Atlanta, Ga., & Houston, Tex., & Lugerville, Wis.
West Lumber Co., J. C., Union Cent. Bldg., Cincinnati, O.
West Made Desk Co., Lewis & Loring, Portland, Ore.
West Manufacturing Co., Inc., 92 Second St., Milwaukee, Wis.
West Mfg. Co., paper fasteners, 48 N. 2d, Phila., Pa.
West Mfg. Co., The, Kendallville, Ind.
West Michigan Flooring Co., Manistee, Mich.
West Mich. Furn. Co., Dept. H, Holland, Mich.
West Michigan Mach. & Tool Co. (Ltd.), Grand Rapids, Mich.
West Michigan Steel Foundry Co., Muskegon, Mich.
West Oregon Lumber Co., Portland, Ore.
West Penn Lbr. Co., Farmers Bank Bldg., Pittsburgh, Pa.
West Penn Powder Co., dynamite mfrs., 2d Nat'l Bk. Bldg., Pittsburgh, Pa.
West Penn Steel Co., Brackenbridge, Pa.
West Phila. Art Glass Wks., 4219 Market, Phila., Pa.
West Pittston Screen Wks., West Pittston, Pa.
West Point Investment Co., West Point, Ga.
West Point Iron Works, West Point, Ga.
West Point Mfg. Co., cotton duck & canvas, West Point, Ga.
West Point Mill Co., rice, Charleston, S. C.
West River Canning Co., canned goods, Galloways, Md.
West Roxbury Trap Rock Co., stone producers, W. R., Boston, Mass.
West St. Louis Machine & Tool Co., 606 S. Vandeventer Ave., St. Louis, Mo.
West Salem Canning Co., West Salem, Wis.
West Seneca Lumber Co., Lackawanna, N. Y.
West Side Cut Stone Co., 2422 W. Walton, Chicago, Ill.
West Side Iron Works, 1227 Washington Blvd., Chicago.
West Side Lbr. Co., packing boxes, 168 S. Main, Manchester, N. H.
West Side Lumber Co., 1827 W. 3rd St., Dayton, O.
West Side Metal Refining Co., 2917 LaSalle, Chicago, Ill.
West Side Motor Co., machsts., Hamilton, Ohio.
West Side Structural Co., Troy, N. Y.
West Steel Casting Co., 805-11 E. 70th St., Cleveland, O.
West Stockbridge Marble Wks., West Stockbridge, Mass.
West Street Carriage Co., Seattle, Wash.
West Tire Setter Company, The, 255 Mill St., Rochester, N. Y.
West Varnish Co., Everett, Mass.
West Virginia Coal & Coke Co., Elkins, W. Va.
West Virginia Fire Clay Mfg. Co., 705 Diamond Bank Bldg., Pittsburgh, Pa.
West Virginia Foundry & Stove Co., 2402 4th av., Huntington, W. Va.
West Virginia Lumber Co., First National Bank bldg., Pittsburgh, Pa.
West Virginia Malleable Iron Co., Point Pleasant, W. Va.
West Virginia Metal Products Corp., 67 Wall St., New York.
West Virginia Metal Products Corp., Fairmont, W. Va.
West Virginia Mine Supply Co., Clarksburg, W. Va.
West Virginia Paving & Pressed Brick Co., common, 16th St. rd., Huntington, W. Va.

WEST VIRGINIA PULP & PAPER CO., INC., 200 Fifth Ave., New York.
Chicago—732 Sherman St.
Mills Tyrone, Pa.; Piedmont, W. Va.; Luke, Md.; Covington, Va.; Mechanicville, N. Y.; Williamsburg, Pa.; Cass, W. Va.; Spruce, W. Va.

WEST VIRGINIA RAIL COMPANY, THE, Huntington, W. Va.
Sales Mgr.—C. C. Watters.

West Virginia Timber Co., Charleston, W. Va.
West, W. R., mill & facty. supplies, 1886 Purchase, New Bedford, Mass.
West, Wm. S., & Son, wood pumps, Chillicothe, Ohio.
West Woodworking Co., fixtures, etc., 308-24 N. Ada, Chicago, Ill.
West Yellow Pine Co., Madison, Fla.
Westboro Trunk & Bag Co., Westboro, Mass.
Westboro Weaving Co., Westboro, Mass.
Westbrook Elevator Mfg. Co., Danville, Va.
Westbrook, John D., Inc., mill & facty. supplies, Norfolk, Va.
Westbrook, W. J., Elevator Co., Greensboro, N. C.

WESTBURG ENGNG. CO., ammeters & rheostats, etc., 57 W. Jackson blvd., Chicago, Ill.

Westchester Electrical Equipment Co., Yonkers, N. Y.
Westchester Engineering Co., White Plains, N. Y.
Westchester Lighting Co., water-gas tar, Mt. Vernon, N. Y.
Westchester Machine Co., can-making machy., Mt. Vernon, N. Y.
Westco-Chippewa Pump Co., Davenport, Ia.
Westcott Chuck Co., East Walnut St., Oneida, N. Y.
Westcott, H. F., mill & facty. supplies, Ellsworth, Me.
Westcott, J. D., & Son, broom handles, Richword, W. Va.
Westcott Motor Car Co., Springfield, O.

WESTCOTT RULE CO., INC., Seneca Falls, N. Y.

Westcott Valve Co., Inc., Seneca Falls, N. Y.
Wester, S. J., Mfg. Co., sashes, doors & blinds, Boone, Iowa.
Westergren, Inc., M. F., 213 E. 114th St., New York.
Westerlin & Campbell Company, 1113 Cornelia Ave., Chicago.
Westerlund, C. A., cornices, Rock Hill, S. C.
Westerly Concrete Co., Westerly, R. I.
Westerly Textile Co., mosquito netting, Westerly, R. I.
Westerman & Co., Lockport, N. Y.

WESTERN ADVTG. AGCY., Racine, Wis.

Western Aircraft Corp., 1212 E. 6th, Los Angeles, Calif.
Western Alloy & Tool Steel Co., Inc., 576 Bryant, San Francisco, Calif.
Western Aluminum Co., 231 N. Wells, Chicago, Ill.
Western Aluminum Mfg. Co., Emeryville, Calif.
Western Aniline Products Co., oils & colors, chemicals, etc., Hammond, Ind.
Western Architect, trade publication, 215 S. Market, Chicago, Ill.
Western Archl. Iron Co., 211 W. Schiller, Chicago, Ill.
Western Art Glass & Shade Works, 220 Turk, San Francisco, Calif.
Western Art Leather Co., Labor Opera bldg., Denver, Colo.
Western Asbestos & Mfg. Co., 1219 Stout St., Denver, Colo.
Western Asbestos Magnesia Co., sanitary flooring, 21 South park, San Francisco, Calif.
Western Auto Top Co., Omaha, Neb.
Western Automatic Mach. Co., 34 E. Court, Cincinnati, Ohio.
Western Automatic Machine Screw Co., Elyria, O.
Western Automatic Sprinkler Co., 204 N. Los Angeles, Los Angeles, Calif.
Western Badge & Button Co., Los Angeles, Calif.
Western Badge & Nov. Co., St. Paul, Minn.
Western Bag & Burlap Co., 2437 W. 14th St., Chicago.
Western Bag Co., Inc., 124 Main, San Francisco, Calif.
Western Baker (Western Trade Press Corp.), publication, 417 Montgomery, San Francisco, Calif.
Western Bank Note & Engraving Co., 118 E. 20th St., Chicago.
Western Bank Supply Co., 348 4th, Oakland, Calif.
Western Battery Mfrs., Inc., 138 W. 16th, Los Angeles, Calif.
Western Bearings Co., 3012 Calumet Ave., Chicago.

WESTERN BLIND & SCREEN CO., 2700 Long Beach Ave., Los Angeles, Cal.

Western Block Co., Lockport, N. Y.
Western Blow Pipe & Sheet Metal Co., 2524 S. 7th St., St. Louis, Mo.
Western Blower Co., dust collectors, exhausters, oil filters, etc., 1800 9th av., Seattle, Wash.
Western Blue Print Co., Gumbel bldg., Kansas City, Mo.
Western Board & Paper Co., Kalamazoo, Mich.
Western Boarding & Supply Co., 130 N. Wells St., Chicago.
Western Boiler Comp. & Chem. Co., 1110 Gloyd Bldg., Kansas City, Mo.
Western Bottle Mfg. Co., 402 W. Randolph, Chicago, Ill.
Western Box Co., 326 River St., Chicago.
Western Brass Mfg. Co., 217 Tehama, San Francisco, Calif.
Western Brass Mfg. Works, 21st & Marshall Blvd., Chicago.
Western Brass Works Co., 1434 Blake St., Denver, Colo.
Western Brick & Supply Co., Hastings, Nebr.
Western Bridge & Constr. Co., Omaha, Neb.
Western Brick Co., Danville, Ill.

WESTERN BRUSH COMPANY, 3106 Bellevue Ave., Detroit, Mich.

Western Builders' Supply Co., mouldings, etc., 135 2d, San Francisco, Calif.
Western Butchers' Supply Co., refrigerators, 156 4th, San Francisco, Calif.
Western Button Factory, bone buttons, all sizes, 15th & Utah, San Francisco, Calif.
Western Cabinet & Fixture Mfg. Co., 21st & Harrison Sts., Kansas City, Mo.

WESTERN CAN CO., 180 Townsend, San Francisco, Cal.

Western Candy Box Co., 651 E. 38th, Los Angeles, Calif.
Western Carbonic Gas Co., Agnew, Calif.
Western Cartridge Co., East Alton, Ill.
Western Casket Co., Oakland, Calif.
Western Casket Hardware Co., Elgin, Ill.
Western Cedar Pole Preservers, Yardley, Spokane, Wash., & Sand Point, Idaho.
Western Chemical Products Co., auto polish, 2436 E. 8th, Los Angeles, Calif.
Western Clay Mfg. Co., Helena, Mont.
Western Clock Co., La Salle, Ill.
Western Coal & Electric Co., therapeutic lamps, Racine, Wis.
Western Coal Mining Co., Railway Exch. bldg., St. Louis, Mo.
Western Coil & Electric Co., therapeutic lamps, Racine, Wis.
Western Confectioner, trade publication, 57 Post, San Francisco, Calif.
Western Constr. Co., Boise, Idaho.
Western Construction News, publishers, 24 California, San Francisco, Calif.
Western Contractor, trade publication, 521 Locust, Kansas City, Mo.
Western Cooperage Co., Northwestern Bank Bldg., Portland, Ore.
Western Cork Mfg. Co., 2463 Whittier blvd., Los Angeles, Calif.
Western Covered Button Co., 419½ 6th av., New York.
Western Crucible Steel Castings Co., 2833 Grand Ave., Minneapolis, Minn.
Western Dairy Supply Co., 729 E. Washington, Los Angeles, Calif.
Western Die & Stamping Works, 721 Fulton, Chicago, Ill.
Western Die Casting Co., Vallejo, Calif.
Western Display Co., 301 Chestnut, St. Paul, Minn.
Western Drop Forge Co., Boyle Ave., Los Angeles, Cal.
Western Dry Battery Co., 2501 15th St., Seattle, Wash.
Western Dry Color Co., 52nd & Wallace Sts., Chicago.
Western-Eagle Mfg. Co., Racine, Wis.
Western Elaterite Roofing Co., The, 841-844 Equitable Bldg., Denver, Colo.

WESTERN ELECTRIC COMPANY, 100 East 42nd St., New York.
Branch Offices:
ALA.—Birmingham—101 S. 21st St., Main 684.
CAL.—Los Angeles—301 E. 8th St., Main 9323.
Oakland—300 12th St.
San Francisco—680 Folsom St., Sutter 6546.
COLO.—Denver—1425-1427 Curtis St., Main 2460.
CONN.—New Haven—221 Water St.
FLA.—Jacksonville—334 E. Bay St.
GA.—Atlanta—117 Walton St.
Savannah—111 W. Broad St.
ILL.—Chicago—500 S. Clinton St., Wabash 3000.
IND.—Indianapolis—400 W. Ohio St., Main 2840.
LA.—New Orleans—601 S. Peters St.
MD.—Baltimore—106 South St., Calvert 5050.
MASS.—Boston—383-385 Summer St., Congress 2500.
MICH.—Detroit—Kirby Ave. & Dequindre St., Melrose 3321.
Grand Rapids—39-43 Ottawa St.
MINN.—Duluth—320 W. 1st St.
Minneapolis—413 S. 4th St., Main 1193.
St. Paul—63 E. 6th St., Cedar 1128.
MO.—Kansas City—608-610 Wyandotte St., Main 4942.
St. Louis—814 Spruce St., Main 1611.
NEB.—Omaha—802 Farnam St.
N. J.—Newark—284 Halsey St.
N. Y.—Brooklyn—505 St. Marks Pl.
Buffalo—709-711 Main St., Tupper 6200.
New York—463 West St., Cortland 7760.
Syracuse—930 S. Salina St.
OHIO—Cincinnati—310 Elm St., Main 600.
Cleveland—1010 Oregon Ave., Cherry 603.
Columbus—154-156 N. 3rd St.
Youngstown—930 W. Rayen Ave.
ORE.—Portland—Park & Flanders Sts., Broadway 8121.
PA.—Philadelphia—910 Cherry St., Walnut 5405.
Pittsburgh—37 Water St., Cedar 2300.
R. I.—Providence—233 Harris Ave.
TENN.—Memphis—163 Jefferson St.
Nashville—3 Summins Station.
TEX.—Dallas—Pacific Ave. & Ervay St.
Houston—Commerce & Jackson Sts.
UTAH—Salt Lake City—41 W. Broadway.
VA.—Richmond—8th & Cary Sts.
Norfolk—235 Tazewell St.
WASH.—Seattle—84 Marion St., Main 6650.
Spokane—152 S. Post St., Riverside 2228.
Tacoma, 1115 A. St.
WIS.—Milwaukee—458 Milwaukee St., Broadway 5413.

Western Electric Co., 680 Folsom, San Francisco, Calif.
Western Electric Novelty Co., 1258 E. 6th, Los Angeles, Calif.
Western Electric Works, 213 6th St., Portland, Ore. (Now Fouch Electric Mfg. Co.)
Western Electro-Mechanical Co., Oakland, Cal.
Western Engine & Depramo Co., Inc., Milwaukee, Wis.
Western Engineering Co., 215 Market, San Francisco, Calif.

WESTERN ENGINEERING & MFG. CO., friction clutches, 2604 Irving Park Blvd., Chicago, Ill.

Western Engineering Corp., auto dump hoists & steel struct'l work, Spokane, Marginal Way, Seattle, Wash.

WESTERN ENGRAVING & EMBOSSING CO., 717-723 S. Wells St., Chicago.
Pres. & Treas.—J. J. Franzen.
V. P.—A. A. Franzen.
Sec.—H. N. Steruberg.

Western Engrg. & Mfg. Co., 2604 Irving Park Blvd., Chicago.
Western Equipment Co., Lytton Bldg., Chicago.
Western Farquhar Machy. Co., dlrs., 220 E. Water, Portland, Ore.
Western Felt Wks., 4115 Ogden Ave., Chicago.
Western Fir Lbr. Co., Tacoma, Wash.
Western Fire Appliance Co., extinguishers, 703 Market, San Francisco, Calif.
Western Fireworks Co., 1844 Lawrence, Denver, Colo.
Western Fixture & Show Case Co., 716 McAllister, San Francisco, Calif.
Western Forge & Mfg. Co., see Western Drop Forge Co. (successor).
Western Forge & Tool Works, oil well tools, 209 Jefferson, Oakland, Calif.
Western Fdry. & Furnace Co., 3002 Chandler, Tacoma, Wash.
Western Fdry. & Machine Co., Moline, Ill.
Western Fdry. & Mfg. Co., Springfield, Ohio.
Western Foundry & Sash Weight Co., 2nd & Miller, St. Louis, Mo.
Western Fdry. & Stove Repair Wks., Salt Lake City, Utah.
Western Foundry, 5th & Folsom, San Francisco, Calif.
Western Foundry, 14 Stockton av., San Jose, Calif.
Western Foundry Co., 912 Folsom, San Francisco, Calif.
Western Foundry Co., 3634 S. Kedzie St., Chicago.
Western Foundry Co., machy., 626 Hood, Portland, Ore.
Western Furniture & Mfg. Co., mattresses, Lincoln, Neb.
Western Furn. Co., Dept. H, Batesville, Ind.
Western Furniture Co., Blair Ave., Palm St., St. Louis, Mo.
Western Furn. Co., 1038H Madison av., Indianapolis, Ind.
Western Gas Construction Co., 1431 Buchanan St., Ft. Wayne, Ind.
Western Gear Works, 9th av. S. & King, Seattle, Wash.
Western Glass & Paint Co., Lincoln, Neb.

WESTERN GLASS CO., THE, Streator, Ill.

Western Grain & Sugar Products Co., 110 Sutter, San Francisco, Calif.
Western Granite Works, San Jose, Calif.
Western Grip & Trunk Co., 791 30th, Milwaukee, Wis.
Western Grocer Mills, Marshalltown, Ia.
Western Hair Cloth Co., 3109 Robinson St., Chicago.
Western Hammock Co., 1222 Santa Fe av., Los Angeles, Calif.
Western Hammock Co., La Crosse, Wis.
Western Hardware & Metal Co., see Castle, A. M., & Co., Seattle, Wash. (successor).
Western Hardware Co., Leadville, Colo.
Western Hardware Mfg. Co., 858 Third St., Milwaukee, Wis.
Western Hardwood Lbr. Co., Los Angeles, Calif.
Western Heavy Hardware & Iron Co., Oakland, Calif.
Western Implement Co., Port Washington, Wis.
Western Importing Co., 509 Hennifit Ave., Minneapolis, Minn.
Western Improvement Co., sash, door & screen frames, etc., Minot, N. Dak.
Western Indiana Mining Co., coal mine, Terre Haute, Ind.
Western Industries Co., alcohol, 110 Sutter, San Francisco, Calif.
Western Inspection Company, 45 N. Division, Buffalo, N. Y.
Western Instrument Co., 1001 Washington blvd., Chicago, Ill.
Western Insulation Co., electrical insulation, 557 Monroe, Chicago, Ill.
Western Insulex Co., insulating matl., 4065 Hollis, Emeryville, Calif.
Western Iron & Foundry Co., Wichita, Kans.
Western Iron Fndy. Co., 1320 Wazee, Denver, Colo.
Western Iron & Metal Co., 1625 N. Main St., Los Angeles, Calif.
Western Iron & Wire Wks., Omaha, Neb.
Western Iron Stores Co., 145-7 W. Water St., Milwaukee, Wis.
Western Iron Wks., fndrs., Manitowoc, Wis.
Western Iron Works, Inc., Butte, Mont.
Western Iron Works, Inc., 141 Beale, San Francisco, Cal.
Western Ironite Sash Weight Co., 2448 E. 11th, Los Angeles, Calif.
Western Kieley Steam Specialty Co., 116-122 W. Illinois St., Chicago.
Western Knitting Mills, bathing suit mfrs., 215 4th av., New York.
Western Knitting Mills, knitted gloves, Rochester, Mich.
Western Knitting Mills, sweaters, etc., 1140 Blue Island av., Chicago, Ill.
Western Ladder & Wood Works, 143 Augusta, Los Angeles, Calif.
Western Leather Co., 878 Marshall, Milwaukee, Wis.
Western Light & Fixture Co., 301 S. Los Angeles St., Los Angeles, Calif.
Western Lime & Cement Co., 68 Wisconsin St., Milwaukee, Wis.
Western Lime Wks., St. Genevieve, Mo.
Western Lithograph Co., labels, 600 E. 2nd, Los Angeles, Calif.
Western Loggers Machinery Co., 273 Pine, Portland, Ore.
Western Loose Leaf Co., 543 Clay, San Francisco, Calif.
Western Lumber Co., Aberdeen, Wash.
Western Lumber Co., Butte, Mont.
Western Lumber Co., Clinton Bldg., Columbus, O.
Western Lumber Mfg. Co., Balfour Bldg., San Francisco, Calif.
Western Machine & Mfg. Co., The, Long Beach, Cal.
Western Machine Tool Works, Holland, Mich.
Western Mach. Wks., West & Market, Indianapolis, Ind.
Western Machine Works, Inc., 666 E. 11th, Tacoma, Wash.
Western Machy. Co., Tucson, Ariz.
Western Machinery Co., 900 N. Main, Los Angeles, Calif.
Western Machinery Co., gas engines, H, Rialto Bldg., San Francisco, Calif.
Western Machy. Co., 260 S. 6 W., Salt Lake City, Utah.
Western Machinery Exchange, Santa Fe av at 9th, Los Angeles, Calif.
Western Mach. Mfg. Co., 443 Rosabel, St. Paul, Minn.
Western Machinery World, publication, 576 Sacramento, San Francisco, Calif.
Western Malleable Castings Co., Boyle & Slauson avs., Los Angeles, Calif.
Western Malleable Co., 425 E. Water St., Milwaukee, Wis.
Western Malleables Co., Beaver Dam, Wis.
Western Manufacturing Co., Oskaloosa, Iowa.
Western Mfg. Co., overalls, 810 Bassett pl., Minneapolis, Minn.
Western Mfg. Co., Water & Vine Sts., Toledo, O.
Western Mattress & Bedding Co., 1721 Linn, Cincinnati, Ohio.
Western Meat Co., South San Francisco, Cal.
Western Mechanical Wks., 520 W. Pico, Los Angeles, Calif.

WESTERN METAL MFG. CO., THE, El Paso, Tex.

Western Metal Mfg. Co., 1530 Westlake N., Seattle, Wash.
Western Metal Products Co., Alameda, Cal.
Western Metal Specialty Co., 1910 St. Paul St., Milwaukee, Wis.
Western Metal Supply Co., San Diego, Calif.
Western Metals Co., Security Bldg., Los Angeles, Calif.
Western Mirror Plate Co., Cincinnati, O.
Western Motor Draying Co., 1444 Church, San Francisco, Calif.
Western Motor Supply Co., Inc., 12th & Harmon Pl., Minneapolis, Minn.
Western Naval Stores Co., New Orleans, La.
Western Newall Mfg. Co., hdwe., Freeport, Ill.
Western Nitrous Oxide Co., 10th & Folsom, San Francisco, Calif.
Western Oil Pump & Tank Co., 2437 Kosciusko St., St. Louis, Mo.
Western Oregon Handle Co., 933 Sandy blvd., Portland, Ore.
Western Oxygen Co., 2417 E. 58th, Los Angeles, Calif.
Western Pacific Sales Co., barrel pumps, grease guns & brake shoes, 2921 1st av. S., Seattle, Wash.
Western Packing & Provision Co., 3854 S. Morgan, Chicago, Ill.

WESTERN PACKING & SUPPLY CO., 233 N. Wells St., Chicago.
Pres. & Mgr.—F. E. Smith.
V. P.—M. P. Smith.
Sec.-Treas.—D. P. Hurd.
Milwaukee, Wis.—228 Third St., P. J. Soulen, Mgr.

Western Paper Goods Co., tobacco bags, 3d & Lock, Cincinnati, Ohio.
Western Paper Makers Chem. Co., alizarine & sulphonated oils, Kalamazoo, Mich.
Western Paper Stock Co., 2710 16th, San Francisco, Calif.
Western Pattern & Mfg. Co., Moline, Ill.
Western Paving Co., Trader Natl., Oklahoma, Okla.
Western Petroleum Co., 201 S. La Salle, Chicago, Ill.
Western Pine Lbr. Co., Kilckitat, Wash.
Western Pine Mfg. Co., Ltd., box shooks, packing boxes & sashes, Astor & Jackson, Spokane, Wash.
Western Pipe & Steel Co. of California, 444 Market St., San Francisco, Cal.; 1758 N. Spring St., Los Angeles, Cal.
Western Pipe & Supply Co., 2052 Fullerton Ave., Chicago.
Western Plumber (Western Trade Press Corp.), publication, 417 Montgomery, San Francisco, Calif.
Western Plumbing & Sheet Metal Works, 368 W. Santa Clara, San Jose, Calif.
Western Plumbing Supply Co., 3228 Filmore St., Chicago.
Western Pottery Co., 1575 Alcott, Denver, Colo.
Western Powder Mfg. Co., Peoria, Ill.
Western Products Co., 829 Wood, Oakland, Calif.
Western Pulleystone Co., 319 W. Chicago Ave., Chicago.
Western Railway Equipment Co., Central Nat'l Bank Bldg., St. Louis, Mo.
Western Railway Supply Co., 80 E. Jackson Blvd., Chicago.
Western Railway Supply Co., 175 N. 15th, Portland, Ore.
Western Range Co., 532 McAllister, San Francisco, Calif.

WESTERN RAWHIDE & BELTING CO., 901-935 Winnebago St., Milwaukee, Wis.
Pres.—L. S. Suess.
V. P.—W. H. Schmidt.
Treas.—J. P. Reardon.
Sec.—B. Cautrovitz.

Western Red Cedar Ass'n., 709 Peyton Bldg., Spokane, Wash.
Western Reduction Co., fertilizer mfrs., 1501 Evans, San Francisco, Calif.
Western Reflector Co., 1221 W. Madison St., Chicago.
Western Reinforced Concrete Pipe Co., 6th & Utah, Los Angeles, Calif.
Western Reserve Foundry Co., grey iron castings, 1209H Marquette rd., Cleveland, Ohio.
Western Reserve Furniture Co., music cabinets, Warren, Ohio.
Western Reserve Lumber Co., Warren, Ohio.
Western Reserve Mfg. Works, machsts., 3710H E. 93d, Cleveland, Ohio.
Western Reserve Rubber Co., rubber toys, South Akron, Ohio.
Western Reserve Varnish Co., 1251 Marquette, Cleveland, Ohio.
Western Robe Mills, metal polish, 162 N. Desplaines, Chicago, Ill.
Western Rock Island Plow Co., Omaha, Neb.
Western Rock Salt Co., 2nd fl. Huntzinger Bldg., Kansas City, Mo.
Western Roofing & Supply Co., paper, 3611 Loomis, Chicago, Ill.
Western Rubber Co., Goshen, Ind.
Western Rubber Stamp Co., Inc., 333 S. Spring, Los Angeles, Calif.

WESTERN SAFETY MFG. CO., switch boxes & knife switches, 247 Minna, San Francisco, Calif.

Western Salt Co., San Diego, Calif.
Western Sand Blast Mfg. Co., 1458 W. Kinzie St., Chicago.
Western Screw Mfg. Co., 4413-23 W. Kinzie St., Chicago.
Western Screw Works, 19-21 St. George St., St. Louis, Mo.
Western Shade Cloth Co., 2100 S. Jefferson St., Chicago
Western Sheet Glass Co., Torrance, Calif.
Western Show Case & Fixture Co., soda fountains, 931 E. 31st, Los Angeles, Calif.
Western Silo Co., Ltd., Des Moines, Iowa.
Western Slate Co., plumbers' slate, 326-28 Aberdeen, Chicago, Ill.
Western Smelting & Ref. Co., Omaha, Neb.
Western Soap Co., N., 1402 Ash, Spokane, Wash.
Western Spar Co., ties, Porter Bldg., Portland, Ore.
Western Sporting Goods Mfg. Co., 126 N. Union av., Chicago, Ill.
Western Spring & Axle Co., (Br. Standard Parts Co., Cleveland), Cincinnati, O.
Western Stamp & Stencil Co., Omaha, Neb.
Western Star Mill Co., rye flour, Salina, Kan.
Western States Const. Co., Hearst Bldg., San Francisco, Calif.
Western States Cutlery & Mfg. Co., Boulder, Colo.
Western States Lumber Co., 1 Drumm, San Francisco, Calif.

WESTERN STATES LUMBER COMPANY, 1417 R. A. Long Bldg., Kansas City, Mo.
Pres.—C. L. McGrew.
Sec. & Treas.—W. F. Schooler.

Western States Lbr. Co., St. Paul, Minn.
Western States Port. Cement Co., Independence, Kans.
Western Steel & Engineering Co., presses, 1535 Chestnut, San Francisco, Calif.
Western Steel & Iron Works, De Pere, Wis. (See Hudson Mfg. Co., Minneapolis, Minn.
Western Steel Car & Foundry Co., Farmers Bank Bldg., Pittsburgh, Pa.
Western Steel Package Co., ft. 92d av., Oakland, Calif.
Western Steel Products Company, Foot of Commonwealth Ave., Duluth, Minn.
Western Stopper Co., crown corks, 2800 20th, San Francisco, Calif.
Western Sugar Refinery Co., 2 Pine, San Francisco, Calif.
Western Sulphur Co., 1 Drumm, San Francisco, Calif.
Western Supply Co., Lincoln, Nebr.
Western Supply Co., P. O. Box 1824, Tulsa, Okla.
Western Tablet Stationery Co., St. Joseph, Mo.
Western Tent & Awning Co., Lincoln, Neb.
Western Terra Cotta Co., 1st & Franklin, Kansas City, Mo.
Western Tie & Timber Co., 905 Syndicate Trust Bldg., St. Louis, Mo.
Western Tin & Japan Mfg. Co., Spring Grove & Straight, Cincinnati, Ohio.
Western Tinware Co., 1358 N. 16th St., St. Louis, Mo.
Western Tool & Die Works, 109 N. 3d, Portland, Ore.
Western Tool & Eng. Co., machsts., 1222 Produce, Los Angeles, Calif.
Western Tool & Forge Co., Brackenridge, Pa.

WESTERN TOOL & MFG. CO., THE, Springfield, O.
Pres.—Harry Stimmel.
Treas.—Henry Morris.
Sec.—E. H. Wheeler.

Western Tool Co., jigs & fixtures, 577 N. 3d, Newark, N. J.
Western Transformer Co., 618 E. 11th, Oakland, Calif.
Western Truck Mfg. Co., 3546 Ogden av., Chicago, Ill.
Western Umbrella Co., Omaha, Neb.
Western Valve Bag Co., 2604 Irving Park Blvd., Chicago.
Western Ventilator Co., 110 College, Los Angeles, Calif.
Western Wallboard Co., 4527 9th av. S., Seattle, Wash.
Western Washer Mfg. Co., 726 W. Belgrave, Los Angeles, Calif.
Western Watch Case Mfg. Co., 29 E. Madison, Chicago.

WESTERN WATERPROOFING COMPANY, 1604 Syndicate Trust Bldg., St. Louis, Mo.
Pres.—Ben J. Many.
Boston, Mass.—142 Berkeley St.
Cleveland, O.—1900 Euclid Bldg., Louis Wertz.
Columbus, O.—600 Joyce Realty Bldg.
Detroit, Mich.—616 Penobscot Bldg.
New York—103 Park Ave., S. E. Stott.
Philadelphia, Pa.—803 Abbott Bldg.
Toronto, Can.—508 Colonial Bldg.

Western Well Works, Inc., pumps, 452 W. Santa Clara av., San Jose, Calif.
Western Wheel Barrow Mfg. Co., So. Fort Smith, Ark.
Western Wheel Co., auto wheels, 1625 S. Los Angeles, Los Angeles, Calif.

WESTERN WHEELED SCRAPER CO., Main Office and Factory, Aurora, Ill.
Pres. W. I. Babb.
Gen. Mgr.—M. C. Atwood.
Treas.—Wm. D. Foulke.
Sec.—F. C. Worthington.

Branch Offices and Distributors:
ALA.—Birmingham—Moore-Handley Hdwe. Co.
Montgomery—Loeb Hdwe. Co.
ARK.—Little Rock—Austin-Western Road Mchy. Co., 112 Louisiana St.
ARIZ.—Phoenix—Pratt-Gilbert Co.
CAL.—Los Angeles—E. P. Bosbyshell Co., Broadway 6854.
San Francisco—W. W. Scraper Co., 741 Monadnock Bldg., Sutter 1947.
FLA.—Orlando—Olmstead & Kent.
GA.—Atlanta—Western Wheeled Scraper Co., 602 Rhodes Bldg.
IDA.—Boise—Foenaughty Machinery Co.
ILL.—Chicago—Western Wheeled Scraper Co., 534 National Life Bldg., Randolph 2580.
KY.—Louisville—Brandeis Mchy. & Sup. Co., 331 W. Main St.
Morganfield—Joe C. Tucker.
LA.—Alexandria—Brown-Roberts Hdwe. Co.
New Orleans—Cudlipp Bldg. & Mchy. Co., 317 Tchoupitoulas St.
Shreveport—Lee Hardware Co.
MASS.—Boston—Hedges & Mattheis Co., 50 Dorchester St.
MINN.—Duluth—Standard Salt & Cement Co, 237 Lake Ave., So.
St. Paul—Western Wheeled Scraper Co., 1308 Pioneer Bldg.
MISS.—West Jackson—Austin-Western Road Machy. Co., Box 23.
MO.—Kansas City—Western Wheeled Scraper Co., 1737 Walnut St., Harrison 7173.
St. Louis—Western Wheeled Scraper Co., 1442 N. Broadway, Tyler 816.
Springfield—Alexander & Baity.
MONT.—Billings—Connelly Machy. Co.
NEBR.—Alliance—Newberry's Hdwe. Co.
Omaha—Western Wheeled Scraper Co., 1108 Nicholas St.
N. Y.—Albany—Austin-Western Road Machy. Co., 350 Broadway.
New York—M. E. Davis, 50 Church St., (no stock) Cortland 6214.
N. C.—Greensboro—E. F. Craven.
N. D.—Fargo—Austin-Western Road Machy. Co., 806 Northern Pacific Ave.
OHIO—Cincinnati—Wm. T. Johnston Co.
Cleveland—W. M. Pattison Sup. Co., 777 Rockwell Ave., Main 7320.
Columbus—Austin-Western Road Machy. Co., Lynn & Ludlow Sts.
OKLA.—Oklahoma City—Boardman Co.
ORE.—Portland—Foenaughty Mchy. Co., 309 E. Yamhill St.

(Continued on following page)

WESTERN WHEELED SCRAPER CO.—Continued.
PA.—Philadelphia—Austin-Western Road Mchy. Co., 2220 Market St., Locust 0484.
Pittsburgh—Western Wheeled Scraper Co., 324 4th Ave., Grant 2220.
S. D.—Sioux Falls—A. H. Williams, P. O. Box 47.
TENN.—Knoxville—R. L. Harris, Holston Bank Bldg.
Memphis—Western Wheeled Scraper Co., 91 S. Front St.
Nashville—Wilson, Weesner & Co., 312 Church St.
TEX.—Dallas—Western Wheeled Scraper Co. of Texas, 410 S. Lamar St.
Houston—Joseph F. Meyer Co.
UTAH—Salt Lake City—Landes & Co., Second West & South Temple.
VA.—Danville—Appian Mchy. & Sup. Co., Dudley Bldg.
Richmond—Austin-Western Road Mchy. Co., Box 698.
Roanoke—Dominion Metal Products Co.
WASH.—Seattle—Feenaughty Machy. Co.
Spokane—Feenaughty Machy. Co.
W. VA.—Clarksburg—West Virginia Mine & Sup. Co.
Huntington—Banks Supply Co.
WIS.—Milwaukee—Hunter Machy. Co., 16th St. Viaduct.

Foreign:
CAN.—Montreal, Que.—Mussens, Ltd.
Toronto, Ont.—Mussens, Ltd.
Vancouver, B. C.—Mussens, Ltd.
Winnipeg, Man.—Mussens, Ltd.
ARG.—Buenos Aires—Allied Mchy. Co., Venezuela 691.
AUS.—Adelaide—William Adams & Co., Ltd., (For Dump Cars).
Brisbane—William Adams & Co., Ltd. (For Dump Cars).
Launceston—William Adams & Co., Ltd. (For Dump Cars).
Melbourne—William Adams & Co., Ltd. (For Dump Cars).
Newcastle—William Adams & Co., Ltd. (For Dump Cars).
Perth—William Adams & Co., Ltd., (For Dump Cars).
Sydney—William Adams & Co., Ltd. (For dump Cars).
BRAZIL—Sao Paula—Byington & Co.
CHILE—Santiago—Allied Mchy. Co., Bandera 780.
CHINA—Shanghai—Allied Mchy. Co., 111 Ave. Edouard VII.
CUBA—Havana—Allied Mchy. Co., Obrapia 23 Altos.
ENG.—Iddlesleight House—G. F. West & Co.
London—G. F. West & Co.
Westminster—G. F. West & Co.
FRANCE—Paris—Allied Mchy. Co., 19 Rue de Rocroy.
INDIA—Karachi—Allied Mchy. Co., P. O. Box No. 4.
ITALY—Turin—Allied Mchy. Co., Corso Dante 40.
JAPAN—Tokyo—Horne Co., Ltd., 6-7 Takiyama-cho, Koyobashiku.
NEW ZEALAND—Christchurch—Andersons, Ltd.
PERU—Lima—Allied Mchy. Co., Calle Filipinas 559.
PORTO RICO—San Juan—Earl K. Burton, P. O. Box No. 1367.
PORTUGAL—Lisbon—Monteiro Gomes, Ltd., Rua Mousinho da Silveria 140-28.
SPAIN—Barcelona—Allied Mchy. Co., S. A. E., Plaza de Cataluna 8.

Western Wicker Works, furniture, 3135 San Pablo av., Oakland, Calif.
Western Wire Products Co., 3d & Spruce Sts., St. Louis, Mo.
Western Wood Pipe Publicity Bureau, White Bldg., Seattle, Wash.
Western Wood Preserving Co., Spokane, Wash.
Western X-Ray Equipment Co., 361 Hayes, San Francisco, Calif.
Westervelt, J. W., & Co., machsts., 198 William, New York.
Westfield Machine Co., Westfield, Mass.
Westfield Marble & Sandstone Co., Westfield, Mass.
Westfield Mfg. Co., Westfield, Mass.
Westfield Miller Co., flour, Westfield, N. C.
Westfield River Paper Co., Russell, Mass.
Westgate, Fred. H., willow ware mfrs., Liverpool, N.Y.
Westgate Metal Products Co., E. 12th & 47th av., Oakland, Calif.

WESTINGHOUSE AIR BRAKE CO., Wilmerding, Pa.

Branch Offices and Representatives:
CAL.—Los Angeles—H. A. Crocker, Mechanical Expert, Pacific Electric Bldg., Broadway 0743.
San Francisco—H. S. Clark, Pacific Mgr., 1101 Matcon Bldg., Douglas 733.
COLO.—Denver—C. D. Foltz, Repr., 414 Ideal Bldg., Champa 863.
D. C.—Washington—Robert Burgess, Southeastern Mgr., 608 Munsey Bldg., Main 4408.
GA.—Atlanta—S. L. Poorman, Repr., 1326 Candler Bldg.
ILL.—Chicago—C. J. Olmstead, Western Mgr., 827 Railway Exch. Bldg., Harrison 6641.
KAN.—Topeka—T. G. Myles, Inspector, Columbian Bldg.
MASS.—Boston—E. W. Davis, Repr., 35 Congress St., Main 0254.
West Springfield—E. G. Desee, Mech. Export, 444 Main St.
MEX.—Mexico City—Luis Godard, Repr., 4a Pte. de Alvarado No. 100.
MINN.—St. Paul—E. B. Farmer, Repr., 634 Endicott Bldg., Cedar 5084.
MO.—St. Louis—R. W. Williams, Southern Mgr., Broadway & Tyler St., Tyler 800.
N. Y.—New York—C. R. Ellicott, Eastern Mgr., 150 Broadway, Cortland 8311.
OHIO—Columbus—S. D. Hutchins, Repre., 306 Yuster Bldg.
PA.—Philadelphia—F. W. Nagle, Mech. Expert, 831 Windsor Sq., Poplar 2877-J.
Pittsburgh—F. C. Young, Repr., Westinghouse Bldg., Grant 1533.
TEX.—Houston—Westinghouse Air Brake Co., 4802 Main St.
UTAH—Salt Lake City—H. L. Futler, Mech. Expert, 623 McIntyre Bldg.
WASH.—Seattle—J. S. Siegrist, Repr., Securities Bldg., Elliott 3301.

Foreign:
CAN.—Hamilton, Ont.—Canadian Westinghouse Co., Ltd.
JAPAN—Tokyo—L. J. Musser, Repr., 644 Marunouchi Bldg.

Westinghouse Air Spring Co., shock absorbers, 25 Fox, New Haven, Conn.
Westinghouse, Church, Kerr & Co., contrs., Wilkins Bldg., Washington, D. C.
Westinghouse Co., agri. impits. & traction engines, Schenectady, N. Y.

WESTINGHOUSE ELECTRIC & MFG. CO., E. Pittsburgh, Pa.

Branch Offices & Service Shops:
Albany, N. Y.—Journal Bldg.
Atlanta, Ga.—426 Marietta St.
Bakersfield, Cal.—2224 San Emedio St.
Baltimore, Md.—121 E. Baltimore St., Plaza 2630, 501 E. Preston St.
Birmingham, Ala.—2000 1st Ave., Main 3537.
Bluefield, W. Va.—Federal & Commerce Sts.
Boston, Mass.—10 High St., Main 7370, 12 Farnsworth St.
Bridgeport, Conn.—Bruce & Seymour Sts.
Buffalo, N. Y.—Ellicott Square Bldg., 141-157 Milton St.
Burlington, Ia.—315 N. Third St.
Burlington, Vt.—43 N. Champlain St.
Butte, Mont.—52 East Broadway.
Canton, O.—Box 292.
Cedar Rapids, Ia.—1705 C Ave., E.
Charleston, W. Va.—Capitol & Virginia Sts.
Charlotte, N. C.—200 S. Tryon St.
Chattanooga, Tenn.—Market & 6th Sts.
Chicago—111 W. Washington St., Franklin 5520, 2201 W. Pershing Rd.
Cincinnati, O.—Third & Elm Sts.
Cleveland, O.—2209 Ashland Rd., S. E.
Columbus, O.—3rd & Rich Sts.
Dallas, Tex.—Akard & Commerce Sts.
Dayton, O.—Riebold Bldg.
Denver, Colo.—910 15th St., Main 8000, 1909-15 Blake St.
Des Moines, Ia.—Cor. W. 6th & Locust Sts., Walnut 1412.
Detroit, Mich.—1535 Sixth St.
Duluth, Minn.—Alworth Bldg.
Elmira, N. Y.—338-342 Water St.
El Paso, Tex.—Oregon & Mills Sts.
Fort Wayne, Ind.—3143 Broadway.
Fresno, Cal.—J. and Mariposa Sts.
Grand Rapids, Mich.—422 Kelsey Bldg.
Hammond, Ind.—1188 Garfield St.
Hartford, Conn.—220 Market St.
Honolulu, T. H.—The Hawaiian Electric Co., Ltd.
Houston, Tex.—Union Nat'l Bank Bldg.
Huntington, W. Va.—2nd Ave. & 9th St.
Indianapolis, Ind.—820 N. Senate Ave., Main 1296.
Ishpeming, Mich.—507 N. 5th St.
Jacksonville, Fla.—E. Union & Ionia St.
Johnstown, Pa.—47 Messenger St.
Kansas City, Mo.—1012 Baltimore Ave., 2126 Wyandotte St.
Little Rock, Ark.—2311 State St.
Los Angeles, Cal.—420 San Pedro St., Main 113.
Louisville, Ky.—312 4th Ave.
Madison, Wis.—315 First Central Bldg.
Memphis, Tenn.—130 Madison Ave.
Middlesboro, Ky.—P. O. Box 518.
Milwaukee, Wis.—425 East Water St.
Minneapolis, Minn.—2303 Kennedy St., N. E., Dinsmore 8268.
Newark, N. J.—38-40 Clinton St.
New Haven, Conn.—152 Temple St.
New Orleans, La.—921 Canal St., 1028 S. Rampart St.
New York—150 Broadway, Cortland 8607, 467 Tenth St.
Niagara Falls, N. Y.—205 Fall St.
Norfolk, Va.—300 Main St.
Oklahoma City, Okla.—Main & Broadway Sts.
Omaha, Neb.—1319 Farnam St.
Peoria, Ill.—214 Cooper St.
Philadelphia, Pa.—30th & Walnut Sts., Spruce 6700.
Pittsburgh, Pa.—7th & Smithfield Sts., Court 4140, 6905 Susquehanna St.
Portland, Me.—61 Deering St.
Portland, Ore.—6th & Oak Sts.
Providence, R. I.—393 Harris Ave.
Raleigh, N. C.—803 N. Person St.
Richmond, Va.—7th & Franklin Sts.
Rochester, N. Y.—119 E. Main St.
Rock Island, Ill.—2319 Third St.
Saco, Me.—R. F. D. No. 2
St. Louis, Mo.—717 S. 12th St.
Salt Lake City, Utah—Walker Bank Bldg.
San Antonio, Tex.—1105 Denver Blvd.
San Francisco, Cal.—1 Montgomery St., Karny 5352, 1400 Fourth St.
Hunt-Mirk & Co., 141 Second St., Marine Dept., Special Pacific Coast Rep.
Seattle, Wash.—3451 E. Marginal Way.
Spokane, Wash.—Riverside & Stevens Sts.
Springfield, Ill.—130 S. 6th St.
Springfield, Mass.—82 Worthington St.
Syracuse, N. Y.—S. Warren & E. Wash. Sts.
Tacoma, Wash.—11th & Commerce Sts.
Toledo, O.—Madison Ave. & Superior St.
Tucson, Ariz.—90 Church St.
Tulsa, Okla.—P. O. Box 1511.
Utica, N. Y.—408 Pine St.
Washington, D. C.—723 15th St., N. W., (Government Business).
Wilkes-Barre, Pa.—Miners' Bank Bldg.
Wichita, Kan.—3809 E. English St.
Worcester, Mass.—507 Main St.
Youngstown, O.—Federal & Chestnut Sts.

Distributors:
ALA.—Birmingham—Moore-Handley Hardware Co., Main 7741.
CAL.—Los Angeles—Illinois Electric Co., 261 S. Los Angeles St., Main 2927.
San Francisco—Electric Rwy. & Mnfrs. Supply Co., 32 2nd St., Sutter 1880.
COLO.—Denver—Mine & Smelter Supply Co., 17th & Blake, Main 515.
CONN.—New Haven, Hessel & Hoppen Company, Liberty 7804.
D. C.—Washington—H. C. Roberts Electric Supply Co., 806 12th St., Main 790.
FLA.—Jacksonville—Pierce Electric Co., Phone 7445.
Tampa—Pierce Electric Company, Phones 3444 & 2037.
GA.—Atlanta—Gilham Schoen Electric Co., Walnut 5807.
ILL.—Chicago—Illinois Electric Co., 314 W. Madison St., Main 4450.
IND.—Evansville—The Varney Electrical Supply Co., Phone 7016.
Indianapolis—The Varney Electrical Supply Co., 121 S. Meridian, Main 3420.
IA.—Sioux City—The McGraw Company, Automatic Phone 57634.
KANS.—Wichita—United Electric Co., Market 296.
KY.—Louisville—Tafel Electric Company, 329 W. Main St., Main 90.
LA.—New Orleans—Electrical Supply Company, Main 1402.
MICH.—Detroit—Commercial Electric Supply Co., 138 E. Congress St., Main 4668.
MINN.—St. Paul, St. Paul Electric Co., 145 E. Fifth, Garfield 7441.
MO.—Kansas City—Satterlee Electric Co., 22 E. Ninth St., Harrison 2880.
St. Joseph—Columbian Electric Company.
St. Louis—The McGraw Company, Bomont 3170.
MONT—Butte—The Montana Electric Company, Phone 14.
NEB.—Omaha—The McGraw Company, Jackson 4674.
N. Y.—Buffalo—McCarthy Bros. & Ford, 75 W. Mohawk St., Seneca 3197.
New York—Alpha Electric Co., 151 W. 30th, Watkins 0500.
Rochester—Rochester Electrical Supply Co., 240 St. Paul St., Main 6775.
Syracuse—H. C. Roberts Electrical Supply Co., 241 Water St., Warren 0900.
N. C.—Charlotte—Carolina States Electric Company.
OHIO—Cleveland—The Erner Electric Company, 1240 Ontario, Main 7520.
OKLA.—Oklahoma City—United Electric Company, Walnut 1878.
ORE.—Portland—Fobes Supply Co., 8th & Davis Sts., Broadway 1888.
PA.—Philadelphia—H. C. Roberts Electric Supply Co., 11th & Race, Filbert 3616.
Pittsburgh—Robbins Electric Co., Grant 6780.
Scranton—Electrical Engineering Company, Scranton 420.
TENN.—Riechman—Crosby Company, 223 S. Front St., Main 3800.
TEX.—El Paso—Mine & Smelter Company, Main 5720.
Houston—Tel-Electric Company, 602 Preston, Preston 676.
UTAH—Salt Lake City—Intermountain Electric Company, Wasatch 354.
VA.—Richmond—Tower-Binford Electric & Manufacturing Co., Madison 504.
WASH.—Seattle—Fobes Supply Co., 560 1st St., S., Eliot 4417.
Spokane—The Washington Electric Supply Co., Main 3280.
W. VA.—Bluefield—West Virginia Superior Supply Co., Bluefield 73.
Huntington—Banks Supply Co., Huntington 4180.
WIS.—Milwaukee—Julius Andrae & Sons Co., 362 Broadway, Broadway 4900.

Westinghouse Lamp Co., 165 B'way, New York.
Westinghouse Pacific Coast Brake Co., air compressors, 65 Market, San Francisco, Calif.

WESTINGHOUSE TRACTION BRAKE CO., Wilmerding, Pa.
Pres.—A. L. Humphrey.
V. P.—S. G. Down.
Treas.—S. C. McConahey.
Sec.—H. C. Tener.
Gen. Mgr.—G. W. Wildin.
Branch Offices:
Atlanta, Ga.—1326 Candler Bldg.
Boston, Mass.—35 Congress St.
Chicago—827 Railway Exchange Bldg.
Columbus, O.—50 S. Third St.
Denver, Colo.—Ideal Bldg.
Hamilton, Ont., Can.—Canadian Westinghouse Co., Ltd.
Houston, Tex.—Bankers Mortgage Bldg.
Los Angeles, Cal.—Pacific Electric Bldg.
Mexico City, Mex.—4a Puente de Alvarado, No. 100.
Wilmerding, Pa.
New York—150 Broadway.
Philadelphia, Pa.—831 Windsor Square.
St. Louis, Mo.—Broadway & Tyler Sts.
Salt Lake City, Utah—623 McIntyre Bldg.
San Francisco, Cal.—1101 Matson Bldg.
Seattle, Wash.—Securities Bldg.
Washington, D. C.—607 Munsey Bldg.
West Springfield, Mass.—444 Main St.
Tokyo, Japan—644 Marunouchi Bldg., Jokimachiku.
Topeka, Kans.—509 Columbian Bldg.

Westinghouse Union Battery Co., Swissvale, Pa.
Westlake Constr. Co., Ry. Exch. Bldg., St. Louis, Mo.
Westlund, C. G., Co., friction clutches, engine lathes—special machy mfrs., 498 Millbury, Worcester, Mass.
Westminster Fertilizer Co., Westminster, Md.
Westminster Oil & Fertz. Co., Westminster, S. C.
Westmoreland Automatic Mach. Co., shoe shining machs., Irwin, Pa.
Westmoreland Brick Co., 2nd National Bank Bldg., Pittsburgh, Pa.
Westmoreland Canning Co., Mount Holly, Va.

WESTMORELAND CHEMICAL & COLOR CO., S. E. Cor. 22nd & Westmoreland, Philadelphia, Pa.

Westmoreland Constr. Co., Connellsville, Pa.
Westmoreland Malleable Iron Co. (Ltd.), malleable iron castings, Westmoreland, N. Y.
Westmoreland Spec. Co., cut glassware, Grapeville, Pa.
Westmoreland, W. B., Co., mill & facty. supplies, Woodruff, S. C.
Weston & Brooker, pipe, Columbia, S. C.
Weston & Kroeger, contrs., San Antonio, Tex.
Weston, A., & Son, lumber mfrs., North Tonawanda, N. Y.
Weston Basket & Barrel Co., fruit packages, 813 Folsom, San Francisco, Calif.
Weston Carbon Co., Warren, Pa.
Weston Co., Byron, Dalton, Mass.
Weston Electrical Instrument Co., 4 Weston Ave., Newark, N. J.
Weston, H., Lumber Co., Logtown, Miss.
Weston, J. H. & J. S., contrs., Nashua, N. H.
Weston, L. A., Adams, Mass.
Weston Milling Co., flour, Weston, W. Va.
Weston-Mott Co., wheels & axles, Flint, Mich.
Weston Paper & Mfg. Co., Bacon St., Dayton, O.
Weston, Thomas B., hardware mfrs., Grn. Springs, Pk., Baltimore, Md.
Weston Wheel Mfg. Co., The, 395 Fourth Ave., New York.
Westover Steel & Iron Wks., structl steel, Lincoln, Neb.
Westport Lumber Co., Westport, Ore.
Westport Mfg. Co., Fall River, Mass.
Westport Mfg. Co., Westport, Mass.
Westport Paper Co., binders' boards, Westport, Conn.
Westport Paving Brick Co., paving brick mfrs., Westport, Md.
Westport Stone Co., Westport, Ind.
Westrumite Co., asphalt dlrs. & imptrs., Whiting, Ind.

Westwater Supply Co., 150 N. 3rd St., Columbus, O.
Westwick, John, & Son, machsts. & fndrs., Galena, Ill.
Westwood Turning Co., neck yokes, Fremont, Ohio.

WETENHALL, W. S., CO., concrete reinforcing bars, mason's & bldrs.' matls., 17th & Wisconsin, San Francisco, Calif.

Wetherbee & Whitney, 50 High St., Boston, Mass.
Wetherbee, Geo. C., & Co., horse brushes, 424 Jefferson av., Detroit, Mich.
Wetherbee-Huggins Co., lumber, Waynesboro, Miss.

WETHERELL BROS. CO., 251 Albany St., Cambridge, Mass.

Wetherell, O. B., & Son Co., mill & facty. supplies, 66 Troy, Fall River, Mass.
Wetherhold, W. W., carriages, Reading, Pa.
Wetherhorn, L., & Son, sash, door & blind, Charleston, S. C.
Wetherill & Bro., 126 S. 30th St., Philadelphia, Pa
Wetherill & Co., Inc., G. D., 113 Arch St., Philadelphia, Pa.
Wetherill & Co., Inc., Chester, Pa.
Wetmore & Morse Granite Co., Montpelier, Vt.
Wetmore, J. A., 5506 13th N. W., Washington, D. C.
Wetmore, L. D., Co., lbr. mfrs., Warren, Pa.
Wetmore Reamer Co., 62-6 27th St., Milwaukee, Wis.
Wetmore Savage Co., 76-78 Pearl St., Boston, Mass.
Wettach & Co., leather, Columbia Bank Bldg., Pittsburgh, Pa.
Wetter Mfg. Co., H., 107 Court St., Memphis, Tenn.
Wetter Numbering Mach. Co., Atlantic av. & Logan, Brooklyn, N. Y.
Wetterhold, Geo., mattresses, Wichita, Kan.
Wetterwald & Pfister Co., 276 Spring St., New York.
Wetzel Bros. Printing Co., 324-328 Broadway, Milwaukee, Wis.
Wetzel, E. S., cornices & skylights, Bremerton, Wash.
Wetzel, Fred, 260 E. 67th, New York.
Wetzel, John F., trunk mfr., Paterson, N. J.
Wetzel, K. O., & Co., steel structl wk., 694 S. Rio, Los Angeles, Calif.
Wetzel Mechanical Stoker Co., Broad St., Bank Bldg., Trenton, N. J.
Wetzel, P. A., Co., filing cabinets & devices, Springfield, Ill.
Weule, Louis, Co., nautical instrument mfrs., 6 California, San Francisco, Calif.
Wexford Canning & Preserving Co., Wexford, Mich.
Wexler Knitting Mills, 61 N. 2d, Philadelphia, Pa.
Weyand & Co., Chas. E., 22 Howard St., New York.
Weyand Co., Inc., Hy, 16-24 Jefferson St., Waterbury, Conn.
Weybrecht's Sons, J. T., Alliance, O.
Weydell, F. O., 12 S. Clinton St., Chicago
Weydig-Henkelman Piano Mfg. Co., Inc., 485 E. 133d, New York.
Weyerhaeuser & Denkmann Co., lumber, Rock Island, Ill.
Weyerhaeuser Forest Products, Merchants National Bank Bldg., St. Paul, Minn.
Weyerhaeuser Sales Co., lbr. & ties, Old National Bk. Bldg., Spokane, Wash.
Weyerhauser Timber Co., Everett, Wash.
Weymer, A. F., Co., corn & whisk brooms, Syracuse, N. Y.
Weymer Co., E. M., 2820 W. Grand Ave., Chicago.
Weymer Warehouse Co., broom corn, Dept. H, Cedar Rapids, Iowa.
Weymouth Art Leather Co., East Weymouth, Mass.
Weyrauch, Geo., leather, 54 Morris av., Newark, N. J.
Whale Creek Iron Wks., 245 Huron, Brooklyn, N. Y.
Whalen & Burns, contrs., Ogdensburg, N. Y.
Whaley & Co., J. A., 118 5th Ave., New York.
Whaley Bros. Lbr. Co., Florence, Mont.
Whaley, J. F., machy. dlr., Stuttgart, Ark.
Whaley, W. M., & Co., mill & facty. supplies, Norfolk, Va.
Whall Co., C. H., 170 Summer St., Boston, Mass.

WHARTON, JR., & CO., INC., WM., Easton, Pa.
Boston, Mass.—201 Devonshire St., S. G. Llewellyn.
Chicago—208 S. La Salle St., H. F. McDermott.
Denver, Colo.—Denham Bldg., T. B. H. Askin.
New York—30 Church St., C. N. Shaffner.
Philadelphia, Pa.—Widener Bldg., R. C. McCloy.
Pittsburgh, Pa.—1418 Oliver Bldg., C. W. Smith.
San Francisco, Cal.—Insurance Exchange Bldg., G. V. Wood.
Scranton, Pa.—522 Connell Bldg., J. A. MacFadyen.

Wharton Motors Co., Dallas, Tex.
Wharton Steel Co., Wharton, N. J. (Now Replogle Steel Co.)
What Cheer Tool Co., What Cheer, Ia.
What Cheer Wire Works, 157 Dorrance St., Providence, R. I
Whatcom Falls Mill Co., Bellingham, Wash.
Whatcom Machinery Depot, dealers, Bellingham, Wash.
Whatley Co., A. H., 209 Cranston St., Providence, R. I.
Whayne, Roy C., Supply Co., contrs. equipt. & mill & facty. supplies, 608 W. Jefferson, Louisville, Ky.
Wheat Cabinet Co., bank fixtures, 1741 E. 15th, Los Angeles, Calif.
Wheat Paper Co., paper & pulp mills, Elkhart, Ind.
Wheatcraft U., & Son, brick, Butler, Ohio.
Wheatena Co., cereal foods, Rahway, N. J.
Wheatland Roller Mills Co., feed, Wheatland, Wyo.
Wheaton Bldg. Lumber Co., contrs., Putnam, Conn.
Wheaton Brass Works, A. W., 110 Walnut St., Newark, N. J.
Wheaton, C. M., & Co., wire rope clamps, Sunbury, O.
Wheaton, T. C., & Co., glass bottles, Millville, N. J.
Whedon, Webster D., wood handles, Madison, Conn.
Wheel & Wood Bending Co., 241 John, Bridgeport, Conn.
Wheel B. Top & Hdwe. Co., auto & carriage hdwe., 127 E. 8th, Cincinnati, Ohio.
Wheel Tray Co., 433 W. 61st Pl., Chicago.
Wheel Trueing Brake Shoe Co., 219 Tuxedo St., Detroit, Mich.

WHEEL TRUEING TOOL CO., 2130 Penobscot Bldg., Detroit, Mich.

Wheeler & Co., Henry A., 64 Commercial, Boston, Mass.
Wheeler & Dusenbury, Endeavor, Pa.
Wheeler & Wilson, hammock mfrs., 15 Merchants row, Boston, Mass.
Wheeler, A. B., & Son Co., heating contrs., Wausau, Wis.
Wheeler, A. G., & F., fertilizer mfrs., Stonington, Conn.
Wheeler-Arnold Co., Wittenberg, Wis.
Wheeler, Aylesworth & Co., lumber, Endeavor, Pa.
Wheeler-Blaney Co., mill & facty. supplies, Kalamazoo, Mich.
Wheeler Bros., machsts. & fndrs., So. Norwalk, Conn.
Wheeler Bros., Brass Fndry., Troy, N. Y.
Wheeler, C. H., Mfg. Co., condensers, valves, pumps, Lehigh & 13th, Philadelphia, Pa.
Wheeler Coal Co., Artemus, Ky.
Wheeler Co., Railroad, Pa.
Wheeler Co., Asahel, 58 High St., Boston, Mass.
Wheeler Co., The, W. R., 426 N. Meridian St., Indianapolis, Ind.
Wheeler Condenser & Engineering Co., Carteret, N. J.
Wheeler Elevator Co., 1102 Washington Blvd., Chicago.
Wheeler, F. E., cornices, 530 Forest av., Portland, Me.
Wheeler, Frank, & Son, machsts. & fndrs., Meriden, Conn.
Wheeler, Geo., ladders, Norwich, N. Y.
Wheeler-Green Electric Co., 29 St. Paul St., Rochester, N. Y.
Wheeler, Harvey M., Lbr. Co., Jonesville, La.
Wheeler Insulated Wire Co., magnet wire, 1188 Main, Bridgeport, Conn.
Wheeler, J. R., & Co., lumber, Park Bldg., Pittsburgh, Pa.
Wheeler, J. W., & Co., lbr., Memphis, Tenn.

WHEELER LUMBER, BRIDGE & SUPPLY CO., Des Moines, Ia.

Wheeler Lbr. Co., Wheeler, Ore.
Wheeler-McDowell Elev. Co., 97 Varick, New York.
Wheeler Mfg. Co., pennants, athletic uniforms, 2141 Milvia, Berkeley, Calif.
Wheeler Mfg. Co., C. H., Lehigh & Sedgley Aves., Philadelphia, Pa.

WHEELER MFG. CO., F. H., 215 W. Huron St., Chicago.
Pres. & Gen. Mgr.—E. L. Wheeler.

Wheeler Metal & Mfg. Co., Wheeling, W. Va.
Wheeler, Mifflin & Co., Commercial Trust Bldg., Philadelphia, Pa.
Wheeler Osgood Co., Tide Flats, Tacoma, Wash.
Wheeler-Reese Lumber Co., Tacoma, Wash.
Wheeler Reflector Co., 275 Congress St., Boston, Mass.
Wheeler, Reynolds & Stauffer, bisulphide carbon, 624 California, San Francisco, Calif.
Wheeler Schebler Carburetor Co., Sanders & Barth, Indianapolis, Ind.
Wheeler Screen Co., Geneva, Ill.
Wheeler-Timlin Lumber Co., Wausau, Wis.
Wheeler Varnish Works, 2260 Elston Ave., Chicago.
Wheeler, W. W., & Co., contrs., 715 W. Washington, Chicago, Ill.
Wheeler Wunder Co., whol. hdwe., 787 Brannan, San Francisco, Calif.
Wheeling Art Metal Mfg. Co., boudoir stands, 161 Nineteenth, Wheeling, W. Va.
Wheeling Bronze Casting Co., mfrs. brass, bronze & aluminum castings, 36th & B. & O. R. R. Bldg., Wheeling, W. Va.
Wheeling Butchers' Assn., meat packers, Wheeling, W. Va.
Wheeling Can Co., Wheeling, W. Va.
Wheeling Corrugating Company, East End 17th St. Wheeling, W. Va.
Wheeling Glass Letter & Nov. Co., Wheeling, W. Va

WHEELING MACHINE PRODUCTS CO. (Mfrs. Seamless Pipe Couplings), Main and 20th Sts., Wheeling, W. Va.

Wheeling Mattress Co., E. 19th, Wheeling, W. Va.
Wheeling Metal & Mfg. Co., Wheeling, W. Va.
Wheeling Mold & Foundry Co., Wheeling, W. Va
Wheeling Sanitary Mfg. Co., 4th and West Sts., Wheeling, W. Va.
Wheeling Stamping Co., Wheeling, W. Va.
Wheeling Steel Corp., Wheeling, W. Va.
Wheeling Steel Products Co., Wheeling, W. Va.
Wheeling Stove & Range Co., Wheeling, W. Va.

WHEELING TENT & AWNING CO., Wheeling, W. Va.

Wheeling Tile Co., 3107 Eoff St., Wheeling, W. Va.
Wheeling Township Coal Mining Co., Adena, Ohio.
Wheeling Wall Paper Co., Wheeling, W. Va.
Wheeling Wall Plaster Co., 27th, Wheeling, W. Va.
Wheelock Co., George F., 107 S. 21st st., Birmingham, Ala.
Wheelock Gas Appliance Co., Framingham, Mass.
Wheelock, Lovejoy & Co. (Steel), Cambridge, Mass.
Wheelock Mfg. Co., Wheelock, Vt.
Wheelock Piano Co., 605 E. 132d, New York.
Wheelwright Construction Co., Ogden, Utah.
Wheelwright Paper Co., Geo. W., 70 Franklin St., Boston, Mass.
Wheelwright, Robert, landscape archt., 56 W. 45th, New York.
Wheetley Spoke Co., Wheetley, Ark.
Whelan, Alex. T., cornices & skylights, St. Joseph, Mo.
Whelan, D. J. (Est. of), shears, Troy, N. Y.
Whelan, Martin, cornices, Ardmore, Pa.
Whelan, P. J., & J. T., contrs., Bnkrs. Tr. Bldg., Philadelphia, Pa.
Whelan, Thos., & Co., bldg. contrs., Quincy, Mass.
Wheland Co., 27th & Westside St., Chattanooga, Tenn.
Wheler, J. R., Co., lbr., Danieltown, Va.
Whidby Is. Sand & Gravel Co., Bellingham, Wash.
Whidden & Sons, A. H., Peabody, Mass.
Whilldin Pottery Co., 713 Wharton, Phila., Pa.
Whipp Mach. Tool Co., The, Sidney, O.
Whipple & Campbell Co., platinum, 22 Condt., Providence, R. I.
Whipple & Choate, Iranistor Ave., Bridgeport, Conn.
Whipps Mfg. Co., The, Carlisle, Ind. (Farm Implts.)
Whirlpool Mixer & Machinery Co., 349 National St., Milwaukee, Wis.
Whirret Bros., currycombs, stirrups, Delphos, Ohio.
Whisler, John Gibson, Ia
Whistler & Myers, Inc., 428 Boyd, Los Angeles, Calif.
Whistler, J. C., machst., Newville, Pa.
Whisler Mfg. Co., jointer heads & nut splitters, 515 W. Main, Ottumwa, Iowa.
Whistler Porch Column Facty., sash, door & blind, Centralia, Wash.
Whisman Automatic Train Control System Co., 615 D St., N. W. Washington, D. C.
Whitacre & Co., R. B., 205 S. Robert St., St. Paul, Minn. (Mill Supp.)
Whitacre Boiler Co., Wellsville, O.
Whitacre-Greer Fireproofing Co., 123 W. Madison St., Chicago.
Whitaker Battery & Supply Co., 2461 Charlotte, Kansas City, Mo.
Whitaker Bros. Co., spokes, wagon, Meridian, Miss.
Whitaker, Fred, Co., cotton & wool waste, Mascher & Columbia, Philadelphia, Pa.
Whitaker-Glessner Co., Portsmouth Works, (Formerly Portsmouth Steel Co.), Portsmouth, O.
Whitaker-Glessner Co., East End 17th St., Wheeling, W. Va.
Whitaker Lumber Co., 1176 Arcade Bldg., St. Louis, Mo.
Whitaker Mfg. Co., 400 S. Green St., Chicago.
Whitaker Paper Co., 48 Grt. Jones, New York.
Whitaker Paper Co., Eggleston av., 6th & Lock, Cincinnati, Ohio.
Whitaker, Wm. D., denims, awning stripes, Cedar Grove, Philadelphia, Pa.
Whitall-Tatum Co., 410-416 Race St., Philadelphia, Pa.
Whitby, C. H., & Son, canned goods, Denton, Md.
Whitcher, F. W., Co., shoe laces, 14 Albany, Boston, Mass.
Whitcomb Blaisdell Machine Tool Co. (Now Reed-Prentice Co.)
Whitcomb Cabinet Co., bank, office & store fix., show cases, etc., 14th & Chestnut, Kansas City, Mo.

WHITCOMB CO., GEO. D., (Locomotives), Rochelle, Ill.

Whitcomb Envelope Co., 20 Salisbury, Worcester, Mass.
Whitcomb, Haynes & Whitney, lumber, Ellsworth Falls, Me.
Whitcomb Metallic Bedstead Co., Shelton, Conn.
Whitcomb, W. H., Constr. Co., 6 Beacon, Boston, Mass.
White & Bagley Co., 100 Foster St., Worcester, Mass.
White & Bro. (Inc.), 1505 E. Montgomery Ave., Philadelphia, Pa.
White & Bro., ingot metals, Hedley & Carbon, Philadelphia, Pa.
White & Co., A. E., 19 S. La Salle St., Chicago.
White & Co., E. V., Norfolk, Va.
White & Gloor, contrs., Monadnock Bldg., San Francisco, Calif.
White & Hamilton Lbr. Co., Crawfordville, Ga.
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White & Wright, contrs., Olympia, Wash.
White & Wyckoff Mfg. Co., Holyoke, Mass.
White, A. C., lbr., Laclede, Idaho.
White, A. D., Machinery Co., dlrs., 168 N. Jefferson, Chicago, Ill.
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White, A. L. Mfg. Co., organs, 215 Englewood av., Chicago, Ill.
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White American Locomotive Sander Co., Inc., Roanoke, Va.
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White Bros., fndrs., Western Port, Md.
White Bros., lumber, 5th & Brannan, San Francisco, Calif.
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White Co., David (Engineers & Surveyors Instr.), 901-7 Chestnut St., Milwaukee, Wis.
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White Co., H. C., North Bennington, Vt.
White Co., H. N., 5225 Superior, Cleveland, O.
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White Company, The, 6611 Euclid Ave., Cleveland, O.
White Co., W. H., Boyne City, Mich.
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White Co., T. & S. C., 100 Williams St., New York.
White (The), Co., auto builders, 79th & St. Clair, Cleveland, Ohio.
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White Constr. Co., 130 N. Wells, Chicago, Ill.
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White Dental Mfg. Co., The S. S., 211 S. 12th St., Philadelphia, Pa.

WHITE DENTAL MFG. CO., THE S. S., Accessories Division, 84 Market St., New York.

White, E. E., Coal Co., Glen White, W. Va.
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White, E. M., & Co., motor boats, canoes, etc., Old Town, Me.
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White Engineering Corp., J. G., 43 Exchange Place, New York.
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White, F. J., iron, 462 Maine av. S. W., Washington, D. C.
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White Fire Proof Constr. Co., 95 Madison, av., New York.
White Flushing Valve Mfg. Co., 4023 Walnut, Denver, Colo.
White, Fred C., demijohns, 241 Water, New York.
White, Fred I., hose pipes, Reading, Mass.
White Frost Refrigerator Co., now Home Products Corp., Jackson, Mich.
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White Furn. Co., Mebane, N. C.
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White, Geo., models & experimental wk., 22 Morris, Jersey City, N. J.
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White, Gratwick & Mitchell, lbr. mfrs.—packing box mfrs., North Tonawanda, N. Y.
White, H. C., Co., stereoscopes, desk lights & children's vehicles, North Bennington, Vt.
White-Haines Optical Co., Columbus, Ohio.
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White Heat Products Co., West Chester, Pa.
White, Herbert E., & Co., contrs., Attleboro, Mass.
White Hickory Wagon Mfg. Co., East Point, Ga.
White Hill Chain Works, Fieldsboro, N. J.
White Hod Elevator Co., Southern Blvd. & 143rd St., New York.
White Hoist & Mach. Co., So. blvd. & 143d, New York.
White, I. N., pea feeding machines, Mount Morris, N. Y.
White, J. Cleveland, & Co., canned goods, Salisbury, Md.
White, J. Frank, soap, Elmira, N. Y.

White, J. G., & Co., contrs., 43 Exchange pl., New York.
White, J. G., Engineering Corp., industrial buildings, power plants & public util., 43 Exch. pl., New York.
White, J. H., Mfg. Co., brass fndrs., 111 N. 3d, Brooklyn, N. Y.
White, J. J., contrs., Bozeman, Mont.
White, J. J., Lumber Co., Columbia, Miss.
White, J. S., Co., machsts. & fndrs., Pawtucket, R. I.
White, J. T., & Son, lumber, Hazel, Ky.
White, Jas. F., & Co., burlap, 54 Worth, New York.
White, Jas. N., & Sons, granite, W. Quincy, Quincy, Mass.
White, L. C., Co., button back mfrs., Waterbury, Conn.
White, L. E., Lumber Co., Balboa Bldg., San Francisco, & Point Arena, Calif.
White, L. J., Lumber Co., Hutchinson, Kan.
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White Machy. Co., A. D., 108-14 N. Jefferson St., Chicago.
White Mfg. Co., 111 N. 3rd St., Brooklyn, N. Y.
White Mfg. Co., 556 W. 34th St., New York.
White Mfg. Co., 155 Canon, Bridgeport, Conn.
White Marble & Terrazzo Co., Lee, Mass.
White Marble Lime Co., Manistique, Mich.
White Metal Mfg. Co., 1006 Clinton St., Hoboken, N. J.
White Metal Rolling & Stamping Corp., solder, etc., 316 Calyer, Brooklyn, N. Y.
White Milling Co., buckwheat flour, Bloomsburg, Pa.
White Mop Wringer Co., Fultonville, N. Y.
White Motor Co., 842 E. 79th St., Cleveland, O.
White Mountain Freezer Co., Nashua, N. H.
White, N. D., & Sons, denims, Winchendon Springs, Mass.
White Oak Hub Co., Vina, Ala.
White Oak Lbr. Co., Putnam, Va.
White Oak Mountain Mill Co., flour, Georgetown, Tenn.
White Paper Box Co., Holyoke, Mass.
White, Patrick, & Sons, machsts. & fndrs., Perth Amboy, N. J.
White Paving Co., contrs., 130 N. Wells, Chicago, Ill.
White, Perkins & White, cornices & skylights, Wellsville, Ohio.
White, Pevey & Dexter Co., Putman lane, meat packers, Worcester, Mass.
White Pine Ass'n of the Tonawandas, North Tonawanda, N. Y.
White Pine Bureau, Merchants National Bank Bldg., St. Paul, Minn.
White Pine Cedar Co., Blueslide, Wash.
White Plains Buggy Co., White Plains, N. C.
White Plains Gin & Fertilizer Co., White Plains, Ga.
White Products Co., 848 Noble St., Chicago.
White Provision Co., Atlanta, Ga.
White, R. B., Lbr. Co., Granville, Ohio.
White Rabbit Dye Co., 4236 Easton av., St. Louis, Mo.
White Racker Co., beer racking machines, 321 N. Crawford av., Chicago, Ill.
White, Richard P., lbr. mfrs., Albany, N. Y.
White River Chair Co., Brattleboro, Vt.
White River Lumber Co., Enumclaw, Wash.
White, Robt. J., lbr., Winooski, Vt.
White, S. S., Dental Mfg. Co., battery chemicals & oxygen gas, 211 S. 12th, Philadelphia, Pa.
White, S. S., Dental Mfg. Co., machsts. & brass fndrs., Prince Bay, N. Y.
White, Scott A., roofing tile, 401H Renshaw Bldg., Pittsburgh, Pa.
White Sewing Machine Co., E. 79th & St. Clair Ave., Cleveland, O.
White Son Co., Inc., 530-540 Atlantic Ave., Boston, Mass.
White Star Canning Co., San Pedro, Calif.
White Star Coal Co., White Star, Ky.
White Star Co., mill & facty. supplies, Wichita, Kan.
White Star Lbr. Co., 11 S. La Salle St., Chicago.
White Star Mills, flour, Staunton, Va.
White Star Plaster Co., 606 S. Hill, Los Angeles, Calif.
White Star Refining Co., lubrg. oils, Avery & Grand Trunk Ry., Detroit, Mich.
White Steel Sanitary Furn. Co., Mt. Vernon St., Grand Rapids, Mich.
White-Stillman Foundry Co., Providence, R. I.
White-Stokes Co., elec. cooking app., 3615 Jasper pl., Chicago, Ill.
White Stove Co., Thos., Quincy, Ill.
White T. G., 852 5th Ave., Cedar Rapids, Ia.
White Tar Aniline Corp., dyestuffs, 56 Vesey, New York.
White Tar Co. of N. J., chemical mfrs., 56 Vesey, New York.
White Tar Co., The, Cliff & John St., New York.
White, Thos. H., & Co., azotine, bone dlrs., potash, etc., 11 S. Gay, Baltimore, Md.
White, Thos., Stove Co., Quincy, Ill.
White Tool & Supply Co., The, 1313 W. 6th St., Cleveland, O.
White Track Sanding Co., 511 N. Elm St., Greensboro, N. C.
White Trunk & Bag Co., 609 Church St., Nashville, Tenn.
White Valentine Co., brooms, Urbana, Ohio.
White, W. B., & Son, eyeshades, Quincy, Mass.
White, W. F., & Co., scrap iron, H Linden, Clarksburg, W. Va.
White-Warner Co., Taunton, Mass.
White, Wm. H., & McCulloch Lbr. Co., Fargo, N. D.
White Williamson Co., cottonades, Graham, N. C.
White Wire Works Co., 79 Exchange St., Rochester, N. Y.
White Wood Products Co., broom handles, Dept. H, Crothersville, Ind.
White's, S. R., Sons, agri. implts., Norfolk, Va.
White's, Saml G., Sons, machsts. & fndrs., Peterboro, N. H.
Whiteacre, J. E., Mfg. Co., gas machines, Rockford, Ill.
Whitebreast Coal & Lumber Co., Lincoln, Neb.
Whitecastle Lumber & Shingle Co., Whitecastle, La.
Whitecomb, Geo. D. Co., machy. dlrs., 1008 House Bldg., Pittburgh, Pa.
Whitefield Mfg. Co., bobbins, Whitefield, N. H.
Whiteford, J. S., canned goods, Whiteford, Md.
Whitehall Cement Mfg. Co., 1722 Land Title Bldg., Philadelphia, Pa.
Whitehead & Hoag Co., 272 Sussex Ave., Newark, N. J.
Whitehead & Kales Iron Works, S. Dearborn River, Detroit, Mich.
Whitehead Bennett, contrs., 117 Norman av., Evansville, Ind.
Whitehead Bros. Company, 537 W. 27th St., New York.
Whitehead Bros. Rubber Co., Whitehead Rd. & Hamilton Twp., Trenton, N. J.
Whitehead Co., concrete steel railroad ties, Farmington, Ill.
Whitehead, Fred H., canned goods, Lincoln, Del.

WHITEHEAD METAL PRODUCTS CO., brass, bronze, copper & German silver sheet, wire & tube, 67-73 Washington N., Boston, Mass.

WHITEHEAD METAL PRODUCTS CO. OF N. Y., 261-267 Canal St., New York.
Philadelphia—725 Arch St.

Whitehead, Oscar P., machst., Boonton, N. J.
Whitehead Sales Co., 21 S. Clinton St., Chicago.
Whitehead, Wm. G., Glass Co., 180 W. 4th, St. Paul, Minn.
Whitehouse & Dyer, cooperage stock, Columbia, Tenn.
Whitehouse-Crawford Co., Walla Walla, Wash.
Whitehouse, E. A., Mfg. Co., auto bushings & shackle bolts., 44 Elm, Newark, N. J.
Whitehouse, H. G., belt buckles, 44 Elm, Newark, N. J.
Whitehouse-Le Compte Mfg. Co., hdwe. mfrs., 44 Elm, Newark, N. J.
Whitehouse Stone Co., Toledo, Ohio.
Whitehurst & Hodges, lumber, Gilroy, Calif.
Whitehurst Mfg. Corp., R. W. (Foundry), Norfolk, Va.
Whitelaw Bros. Chemical Co., 309 S. Wharf, St. Louis, Mo.
Whiteley Malleable Casting Co., Muncie, Ind.
Whiteley Steel Co., machsts. & fndrs., Muncie, Ind.
Whiteley-Steel Co., Muncie, Ind.
Whitelite Electric Co., 110 W. 34th St., New York.
Whitely Exerciser Co., 258 B'way, New York.
Whitely, H. H., 520 S. Western, Los Angeles, Calif.
Whitemack, D. L., & Co., mill & facty. supplies, Tecumseh, Mich.
Whitener, E. A., & Co., lumber, Marquand, Mo.
Whiterock Quarries, lime mfrs., Bellefonte, Pa.
Whitesburg Canning Co., Whitesburg, Tenn.
Whiteside, Rush J., & Sons, contrs., 2115 Wallace, Philadelphia, Pa.
Whitestone Marble Co., Atlanta, Ga.
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Whitewater Canning Co., Whitewater, Wis.
Whitewater Constr. Co., Whitewater, Wis.
Whitewater Lumber Co., Autaugaville, Ala.
Whitewright Oil Mill Co., meal, Whitewright, Tex.
Whitfield Hardware Co., Hawkinsville, Ga.
Whitfield, J. T., carriage mfrs., Kingston, N. C.
Whitfield Paper Works, 33 Sullivan St., New York.
Whitford, E. K., archt. & contr., 1457 Castleton av., Port Richmond, N. Y.
Whitin Machine Wks., machsts. & fndrs., Whitinsville, Mass.
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Whiting & Cook, Inc., 208 Race St., Holyoke, Mass.
Whiting & Davis Co., silver novelties, Plainville, Mass.
Whiting Co., E. B. & A. C., Burlington, Vt.

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Whiting, Henry F., Lowell, Mass.
Whiting, John L. J. Adams Co., 700 Harrison Ave., Boston, Mass.
Whiting Mfg. Co., table silverware, Bishop av., Bridgeport, Conn.
Whiting-Mead Co., bathroom fixtures, 415 E. 9th, Los Angeles, Calif.
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Whiting Milling Co., flour, Shepardstown, W. Va.
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Whiting Paper Co., Holyoke, Mass.
Whiting Paper Co., 318 W. Washington St., Chicago.
Whiting-Patterson Co., envelopes, 320 N. 13th, Philadelphia, Pa.
Whiting-Plover Paper Co., Stevens Point, Wis.
Whiting-Turner Constr. Co., Stewart Bldg., Baltimore, Md.
Whiting, W. H., & Co., hdwe., 428 E. Pratt, Baltimore, Md.
Whiting, William S., Elizabeth, Tenn.
Whitinsville Spinning Ring Co., Whitinsville, Mass.
Whitlam Mfg. Co., J. C., Wadsworth, O.
Whitley, Fredk. N., Inc., engnrs. contrs., 215 Fulton, Brooklyn, N. Y.
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Whitlock Cordage Co., 46 South St., New York.
Whitlock, J. W., & Co., musical instruments, Rising Sun, Ind.
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Whitlock Mfg. Co., belt dressing, 1506 W. 112th, Cleveland, Ohio.
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Charleston—Baldwin Supply Co.
Parkersburg—Parkersburg Supply Co.
Wheeling—Chas. H. Berry Supply Co.
WIS.—La Crosse—Fred Kroner Hardware Co.
Milwaukee—Reichardt Automotive Supply Co.
Western Iron Stores Co.

Whitman & Pratt Rendering Co., Lowell, Mass.
Whitman Bros., sweaters, cardigans, etc., Little Falls, N. Y.
Whitman Company, Inc., William, 78 Chauncy St. Boston, Mass.
Whitman-Douglas Co., plbrs. supplies, Charlotte, N. C.
Whitman Mach. Co., 178 Ohio, Buffalo, N. Y.
Whitman Metal Goods Co., basket hooks, flexible tubing screw mach. products, tool holders & washers, Whitman, Mass.
Whitman, R., steam htg. contrs., Charlotte, N. Y.
Whitmarsh, I. F., Co., cornices & skylights, Taunton, Mass.
Whitmer & Sons, Inc., Wm., Finance Bldg., Philadelphia, Pa.
Whitmer-Jackson Sash & Door Co., 1996 W. 3d, Cleveland, Ohio.
Whitmer, R. F., Liberty Bldg., Philadelphia, Pa.
Whitmer-Steele Co., lumber, Sunbury, Pa.
Whitmore Co., C. B., Lockport, N. Y.
Whitmore Machinery & Foundry Co., Menasha, Wis.
Whitmore Mfg. Co. (Glazed Paper Cardboard), 28 Appleton St., Holyoke, Mass.
Whitmore Mfg. Co., (Oils & Grease), Iron Ct. & Erie Ry., Cleveland, O.
Whitmore, Rauber & Vicinus, contrs.—masons' & bldrs. matls., 51 Griffin, Rochester, N. Y.
Whitmyer, H., corn brooms, Schenectady, N. Y.
Whitnall Company, The, Hamville, Conn.
Whitner Two Rope Safety Co., fire escapes, 638 S. Clark, Chicago, Ill.
Whitney & Co., folding paper boxes, Leominster, Mass.
Whitney & Currier Co., organs, Toledo, Ohio.
Whitney & Ford, steam fitters' & plumbers' supplies—jobbers, 4315 Cottage Grove av., Chicago, Ill.
Whitney & Kemmerer Co., Stephen Girard Bldg., Philadelphia, Pa.
Whitney & Sloo Co. (Ltd.), horse collars, 733 Tchoupitoulas, New Orleans, La.
Whitney & Son, Inc., Baxter D., Winchendon, Mass.
Whitney, Baxter D., & Son, machsts. & fndrs., Winchendon, Mass.
Whitney Blake Co., Dixwell Ave. & Treadwell Hamden, New Haven, Conn.
Whitney Bros. Co., Superior, Wis.
Whitney Chemical Co., magnesium chloride, 544 Market, San Francisco, Calif.
Whitney Co., contrs., 101 Park av., New York.
Whitney Duplicating Check Co., umbrella stands, 250 W. 54th, New York.
Whitney, F. A., Carriage Co., Leominster, Mass.
Whitney, F. E., Co., machsts. & fndrs., organ motors, etc., 65 Sudbury, Boston, Mass.
Whitney, Frederick, carriages, Ayer, Mass.
Whitney, Geo. A., Co., mill & facty. supplies, Lewiston, Me.
Whitney Glass Wks., Glassboro, N. J.
Whitney, H. W., excelsior, 305 S. La Salle, Chicago, Ill.
Whitney Hdwe. Co., see Mead Hdwe. Co. (successors).
Whitney Harry E., contrs., Lockport, N. Y.
Whitney, Hy., & Co., whisk brooms, Amsterdam, N. Y.
Whitney, J. F., & Co., chalk imp., 8H Bridge, New York.
Whitney Machine Co., Winchester, Mass.
Whitney Mfg. Co., cotton sheetings, Whitney, S. C.
Whitney Mfg. Co., Bartholomew Ave., Hartford, Conn.
Whitney Mfg. Co., Neponset st., Worcester, Mass.
Whitney Mfg. Co., W. A., Rockford, Ill.
Whitney Metal Tool Co., punches, hand power shears, etc., Rockford, Ill.
Whitney, Reed Corp., toys, games & nov., Leominster, Mass.
Whitney-Richards Co., 2063 E. 4th St., Cleveland, O
Whitney Supply Co., Ltd., New Orleans, La.
Whitney Supply Co., machy. dlrs., mill, facty. & steam fitters supplies, 418 S. Peters, New Orleans, La.
Whitney, Vincent Co., casement window hdwe., 365 Market, San Francisco, Calif.
Whitney Window Corp., 13 S. 6th St., Minneapolis, Minn.
Whiton & McMahon, archts., 803 Main, Hartford, Conn.
Whiton, D. E., Mfg. Co., centering machines, chucks & gear cutting machines & steam turbine mfrs., Howard & Oak, New London, Conn.
Whiton Hdwe. Co., 104-1st St., Seattle, Wash.

WHITON MACHINE CO., THE D. E., 193 Howard St., New London, Conn.

Whitridge, White & Co., 10 South St., Baltimore, Md.
Whitselle Brick & Lumber Co., Corsicana, Tex.
Whitson, C. P., canned goods, Swannanoa, N. C.
Whitson, Jerre, Hardware Co., Cookeville, Tenn.
Whitson Lumber Co., Nashville, Tenn.
Whittaker & Diehl, contrs., Harrisburg, Pa.
Whittaker, Clark & Daniels, Inc., 250 Front St., New York.
Whittaker Co., W. H., 245 Front St., New York.
Whittaker, F. A., machst., Middleport, N. Y.
Whittaker, John & Co., contrs., 1559 Church, Detroit, Mich.
Whitted, T. B., machst., Realty Bldg., Charlotte, N. C.
Whittelsey & Whittelsey, naval archts., 17 Battery pl., New York.
Whittelsey, F. H., Co., paper & pulp mill, Windsor Locks, Conn.
Whittemore Bros. Corp., Cambridge, Mass.
Whittemore Glass Co., Dunbar, W. Va.
Whittemore-Mobley Hdw. Co., Reidsville, N. C.
Whittemore, W. L., & Son, paint brushes, 18 Asylum, Hartford, Conn.
Whittemore Woodbury Co., shoemakers' wax, Charlestown, Boston, Mass.
Whittemore-Wright Co., beeswax, Charlestown, Boston, Mass.
Whitten Co., J. P., The, 44 Col. Ave., Boston, Mass
Whitten, J. O., Co., glue mfrs., 68 Western av., Boston, Mass.
Whittenton Mfg. Co., 50 State St., Boston, Mass.
Whitteston Mfg. Co., Taunton, Mass.
Whittet, Jas., bldg. contr., Lowell, Mass.
Whittier Mach. Co., 34 India, Boston, Mass.
Whittier Mills Co., Chattahoochee, Ga.
Whittington Co., W. P., 321 Penna. St., Indianapolis Ind.
Whittington-Vaughan Co., pipe vises, Easton, Pa.
Whittington, W. L., & Co., canned goods, Hopewell, Md.
Whittington, W. R., & Sons, canned goods, Marion Station, Md.
Whittle, Chas. L., diamond saws, 50 Congress, Boston, Mass.
Whittle Trunk & Bag Co., 6th & Glenwood Sts., Knoxville, Tenn.
Whittlesey Engineering Co., Williamson Bldg., Cleveland, O.
Whittlesey's Sons, H. E., Corry, Pa.
Whittock, J. M., crushed stone & lime, Harrisburg, Pa.
Whittredge Portable Bldgs. Co., garages, 964 Broad, Lynn, Mass.
Whitty, R. P., & Co., contrs., Union Trust Bldg., Washington, D. C.
Whitworth, R. J., flour mills, Gleason, Tenn.
Wholesale Typewriter Co., The, 326-330 Broadway, New York.
Wholey Boiler Wks., 95 Whipple, Providence, R. I.
Whomes Auto Window Co., see Whomes Mfg. Co., Inc. (successor).
Whomes Mfg. Co., Inc., wind shields, 2307 S. Main, Los Angeles, Calif.
Whooley, D. J., & Co., htg. contrs., 56 Day, Fitchburg, Mass.
Whyel Coke Co., bituminous, Uniontown, Pa.
Whyte & Co., Oliver, 73 Cornhill, Boston, Mass.
Whyte, Wm. H., Constr. Co., Hackensack, N. J.
Wiant & Barr Hdwe. Co., Parkersburg, W. Va.
Wiard Mfg. Co., clothes washing machines, E. Avon, N. Y.
Wiard Plow Co., Batavia, N. Y.

WIARDA & CO., John C., 83 Provost, Brooklyn, N. Y.

Wibert's, A., Sons, Lumber & Shingle Co., Plaquemine, La.
Wiborg, Harry P., lbr., 2612 Un. Cent. Bldg., Cincinnati, Ohio.
Wicaco Screw & Mach. Wks., 4801H Stenton av., Philadelphia, Pa.
Wichita Automobile Co., Wichita, Kan.
Wichita Casket Co., Wichita, Kan.
Wichita Cotton Oil Co., meal, Wichita Falls, Tex.
Wichita Falls Broom Mfg. Co., Wichita Falls, Tex.
Wichita Falls Brick & Tile Co., Wichita Falls, Tex
Wichita Falls Fdry. & Mach. Co., Wichita Falls, Tex.
Wichita Fdy. Co., Wichita, Kan.
Wichita Mattress Co., Wichita, Kan.
Wichita Motors Co., auto trucks & farm tractors, Wichita Falls, Tex.
Wichita Sash & Door Co., Wichita, Kan.
Wichita Supply Co., Wichita, Kan.
Wichita Trunk Co., Wichita, Kan.
Wick Narrow Fabric Co., tapes, braids & cords, 931 Market, Philadelphia, Pa.
Wick, P. S., Co., pianos, N. St. Paul.
Wick, Theodore, submarine divers, 73 Steuart, San Francisco, Calif.
Wicker Shop, furniture, 2506 Telegraph av., Berkeley, Calif.
Wickercroft Co., 403 S. Raymond, Pasadena, Calif.
Wickersham, John H., contr., Brennan Bldg., Lancaster, Pa.
Wickersham Shingle Co., lumber, Wickersham, Wash.
Wickes Boiler Co., The, Saginaw, Mich.
Wickes Boiler Co., Saginaw, Mich.

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Wickes Machinery Co., Westside Ave., Jersey City, N. J.
Wickham Bros., contrs., Council Bluffs, Iowa.
Wickham Cut Glass Co., 939 Capouse av., Scranton, Pa.
Wickham, E. A., & Co., contrs., Council Bluffs, Iowa.
Wickham Piano Plate Co., Springfield, Ohio.
Wickland & Co., A. A., 5 S. Wabash Ave., Chicago.
Wicklein, Geo. R., & Co., contrs., 227 W. McComas, Baltimore, Md.
Wickman Screw Works, The, 420 Neptune St., Pittsburgh, Pa.
Wicks & Compton, soap, Woodstock, Ill.
Wicks, M. O., Mfg. Co., plasterers' steel corner beads, Glen Cove, N. Y.
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ORE.—Portland—Coast Steel & Machinery Company, 50 1st St., Broadway 0163.
PA.—Allentown—Wm. H. Taylor & Company.
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Butler—A. F. Keck & Company.
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Wickwire Steel Co., Buffalo, N. Y. Now Wickwire Spencer Steel Corp.
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Wicomico Lbr. Co., Williamston, N. C.
Widdicomb Co., John, 601-5th St., N. W., Grand Rapids, Mich.
Widdicomb Furn. Co., Dept. H, Grand Rapids, Mich.
Widdicomb Reed Co., belt dressings, Vestaburg, Mich.
Widen Lord Tanning Co., Danvers, Mass.
Widger & Miller Co., steamfitters' supplies, 141H Milk, Boston, Mass.
Widman Glove Co., 682 Mission, San Francisco, Calif.
Widmark, H. P., & Son, sash, door & blind, Ludington, Mich.
Widmer Bros., Machsts, Paterson, N. J.
Widmer Engineering Co., Syndicate Trust Bldg., St. Louis, Mo.
Widney Co., The, 322 S. Jefferson St., Chicago.
Wids Co., The, Charles River, Mass.
Wiebel, L. H., insulator pins, Hagerstown, Md.
Wieben Co., Inc., John, 2055 Lexington Ave., New York.
Wiebmer, Anton, machsts., Quincy, Ill.
Wieboldt Construction Co., 1534 W. Van Buren, Chicago, Ill.
Wieboldt, R. C., Ashland & Van Buren Sts., Chicago.
Wiebusch & Hilger, Ltd., 106 Lafayette St., New York.
Wiedeke & Co., Gustav, 1833 E. Richard St., Dayton, O.
Wiedeke, Gustav, & Co., boiler makers' tools, Dayton, O.
Wiedemann, H. E., chemists, Chemical Bldg., St. Louis, Mo.
Wiedemann Machine Co., special machy., 1815H Sedgley, Philadelphia, Pa.
Wiedenbeck-Dobelin Co., mill & facty. supplies, Madison, Wis.
Wiedenman, W. C., cornices, 1820 Harrison, Kansas City, Mo.
Wiederholdt Construction Co., Bank of Commerce Bldg., St. Louis, Mo.
Wiegand Company, Edwin L., 422 First Ave., Pittsburgh, Pa.
Wiegert Construction Co., Bushnell, Ill.
Wiehle Bros. Soap Wks., Ironton, Ohio.

WIEMAN & WARD CO., (coal miners and merchants, pig iron dealers and coke merchants), 555 Union Trust Bldg., Pittsburgh, Pa.

Wieman, H., & Sons, carriages, Lexington, Ky.
Wieneke-Hoerr Co., canned goods, Dubuque, Iowa.
Wier Lumber Co., R. W., 1st Nat'l Bank Bldg., Houston, Tex.
Wiese Elecl Appliance Co., humidifying app., 3217 Lisbon av., Milwaukee, Wis.
Wiese Laboratory Furniture Co., Manitowoc, Wis.
Wiest, Geo., buckwheat flour, Fort Atkinson, Iowa.
Wiest Mach. Co., York, Pa.
Wiggers & Froelick, jwlry. cases, 8 Cathrine, New York.
Wiggin, Burton H., Co., bldg. contrs., Lowell, Mass.
Wiggin Crushed Stone & Sand Co., Germantown, Ohio.
Wiggin, H. D., 89 State St., Boston, Mass.
Wiggin, H. H., & Co., lbr., 50 Terminal, Boston, Mass.
Wiggin's Sons Co., H. B., Watsessing St., Bloomfield, N. J.
Wiggins Co., John B., 1104 S. Wabash Ave., Chicago.
Wiggins, Fred B., packing box mfrs., Cleveland, Ohio.
Wiggins, John R., & Co., contrs., 1215 Filbert, Philadelphia, Pa.
Wight & Co., W. N., 91 William St., New York.
Wight Machy. Wks., San Jose, Calif.
Wightman & Hough, cigarette cases, 7 Beverly, Providence, R. I.
Wightman, Andrew, church spires repaired, Peekskill, N. Y.
Wightman, Geo. E., Co., carpet cleaner, 90 11th, Portland, Ore.
Wightman-Hicks, Inc., adv. agencies, 50 Union Square, New York.

WIGHTMAN, LUCIUS I., 50 Union Sq., New York.

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Wigley, H. C., & Bro., canned goods, Millersville, Md.
Wigman Curtis Co., plumbers' supplies, jobbers, Sioux City, Iowa.
Wigmore, John & Sons, Co., mill & factory supplies, babbitt metal, bearings, etc., 401 E. 4th, Los Angeles, Calif.
Wigmore, John, & Sons Co., mill & factory supplies, N. E. cor. 4th & San Pedro, Los Angeles, Calif.
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Wilark Instrument Co., New Rochelle, N. Y.
Wilbas, Gustaf, Quincy, Mass.
Wilbert, F. V., tools, 443 Folsom, San Francisco, Calif.
Wilbert, Jno., oil well supplies, Petroleum Center, Pa.
Wilbert's Sons Lumber & Shingle Co., A., Plaquemine, La.
Wilborn, Jas., Jr., sash, door & blind mfrs., 1539 N. Kilpatrick, Chicago, Ill.
Wilbraham-Green Blower Co., Pottstown, Pa.
Wilbur Co., Job, Providence, R. I.
Wilbur Corp., tool chests, 32 Winthrope av., New Haven, Conn.
Wilbur, Ellis Co., oils, 311 California, San Francisco, Calif.
Wilbur, F. C., Lumber Co., Grayslake, Ill.

Wilbur Job Co., paint mfrs., Ft. E. Tioga, Phila., Pa.
Wilbur Lumber Co., 68 Wisconsin St., Milwaukee, Wis.
Wilbur Lumber Co., Waukesha, Wis.
Wilbur T. Mills Co., 152 S. Garfield av., Columbus, O.
Wilburine Oil Works, 165 Broadway, New York.
Wilby, Carlton, naval archt., 68 Peterboro, Detroit, Mich.
Wilby, Wm., Estate, leather belting, 68 Washington, Lowell, Mass.
Wilce Flooring Co., 2100 S. Throop, Chicago, Ill.
Wilce, John, stone, 223 16th, Milwaukee, Wis.
Wilcke-Armstrong Co., The, 879 Monroe Ave., Detroit, Mich.
Wilckes, J., Co., steel, 135 William, New York.
Wilckes, Martin, Wilckes Co., coal tar, oils, lamp black, 135 William, New York.
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Wilcox & Harvey, cattle markers, ear tags, 564-72 W. Randolph, Chicago, Ill.
Wilcox, Asa C., mason, Stonington, Conn.
Wilcox Bros. Lbr. Co., 930 Marshall, N. E., Minneapolis, Minn.
Wilcox Bros. Mfg. Co., wood handles, Lebanon, Ind.
Wilcox Co., The M. I., 212 Water St., Toledo, O.

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Wilcox Glass Co., Kane, Pa.
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Wilcox, J. B., & Co., lbr., Burdett, Miss.
Wilcox, J. F., 1030 N. E. Marshall St., Minneapolis, Minn.
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Wilcox Laboratories, radio app., 2208 E. Michigan av., Lansing, Mich.
Wilcox, Louis N., & Son, whol. hdwe., 414 N. Gay, Baltimore, Md.
Wilcox, M. I., Co., mill & facty. supplies, 216 Water Toledo, Ohio.
Wilcox Mfg. Co., D., Mechanicsburg, Pa.
Wilcox Mfg. Co., E. A., 6330 Stony Island Ave., Chicago.
Wilcox Mfg. Co., hdwe. mfrs., 507 Arch, Philadelphia, Pa.

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Wilcox, Tom, Plumbing & Supply Co., htg. contrs., 114 & 116 E. 9th, Chattanooga, Tenn.
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Wilcoxen, C. F., cornices, 526 3d av., Huntington, W. Va.
Wilcoxon & Brown, sash, door & blind, Frederick, Md.
Wild & Co., Jos., 230 5th Ave., New York.
Wild Bros. Hardware Co., Evergreen, Ala.
Wild, Jos., & Co., rugs & linoleums, 230 5th av., New York.
Wildberg Bros., 411 Pacific Bldg., San Francisco, Cal.
Wilde, Wm., fertilizer mfrs., Vineland, N. J.
Wildell Lumber Co., Elkins, W. Va.
Wildenberg Bros., auto mirrors, 356 W. 50th, New York.
Wilder & Co., boot counters, 1038 Crosby, Chicago, Ill.
Wilder, E. D., & Co., lbr., Brazil, Ind.
Wilder, H. H., & Co., cornices, Lowell, Mass.
Wilder, J. E., lumber, Auburn, Wash.
Wilder, J. H. B., contrs., Grand blvd., Macon, Ga.
Wilder Mfg. Co., asbestos gaskets, toys, games & nov., 17th & Clinton, St. Louis, Mo.
Wilder Metal Coating & Mfg. Co., Connellsville, Pa.
Wilder-Pike Thermometer Co., Troy, N. Y.
Wilder, S. A., & Son, sash, door & blind, Albion, Mich.
Wilder, Sidney, & Co., machsts. & fndrs., Holliston, Mass.
Wilder-Strong Implement Co., Monroe, Mich.
Wilderness Lbr. Co., Charleston, W. Va.
Wildes' Sons, Thomas, 320 5th Ave., New York.
Wildes, Thos., Son, Inc., 618 B'way, New York.
Wildeson, L., & Son, contrs., Mansfield, Ohio.
Wildman Boiler & Tank Co., 3026 Carroll av., Chicago, Ill.
Wildman Mfg. Co., Norristown, Pa.
Wildman-Treherne Co., druggists, bottles, corks & glass stoppers, 85 Franklin, New York.
Wileman & Helbling, contractors, Ironton, Ohio.
Wiles Chipman Lbr. Co., Kingshighway & Swan, St. Louis, Mo.
Wiles Co., A. M. & W. H., Grassy Point, N. Y.
Wiley & Co., chemists, 904 N. Calvert, Baltimore, Md.
Wiley & Foss, Central, Fitchburg, Mass.
Wiley-Bickford-Sweet Co., Hartford, Conn.
Wiley, Corbett H., 132 W. 42nd st., New York.
Wiley Fertilizer Co., Troy, Ala.
Wiley, Hughes Supply Co., Trenton, N. J.
Wiley, I. H., Waxene Co., floor polish, 68 Dover, W. Boston, Mass.
Wiley Machine Co., screw mach. products, 5th & Seaton, Los Angeles, Calif.
Wiley Milling Co., flour, Fredonia, Kan.
Wiley, T. J., & Co., leather, Piqua, O.
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Wilhelm Co, Henry, 134 10th St., Pittsburgh, Pa.
Wilhelm Furn. Co., Dept. H, Sturgis, Mich.
Wilhelm, J. H., Inc., mechanical engnr., 18 E. 41st, New York.
Wilhelm's, H., Sons, contrs., 119 Division, Elizabeth, N. J.
Wilhmel, J. Frank, 618 N. Carlton Ave., Baltimore, Md.
Wilhoit Refining Co., petroleum & its products, Springfield, Mo.
Wilk & Co., contrs., Rushville, Ind.
Wilkening Mfg. Co., piston pins, 15th & Mt. Vernon, Phila., Pa.
Wilkening Mfg. Co., 15th & Mt. Vernon Sts., Philadelphia, Pa.
Wilkens-Anderson Co., 213-215 N. Desplaines St., Chicago.
Wilkens Bros., Oakland, N. J.
Wilkens Co., Wm., 2401 Frederick St., Baltimore, Md.
Wilkens, Geo. H., hdwe., specialties, 180 N. Market, Chicago, Ill.
Wilkes-Barre Can Co., canisters, pails, Penna. av. & Butler, Wilkes-Barre, Pa.
Wilkes-Barre Iron & Wire Works Co., Inc., ornamental iron, Coal Exchange bldg., Wilkes-Barre, Pa.
Wilkes-Barre Iron Mfg. Co., machsts. & fndrs., mine car wheels, etc., Wilkes-Barre, Pa.
Wilkes-Barre Masons' Supply Co., Wilkes-Barre, Pa.
Wilkes-Casy Engineering & Contracting Co., New Rochelle, N. Y.
Wilkes Rolling Mill Co., The, Sharon, Pa.
Wilkesboro Mfg. Co., North Wilkesboro, N. C.
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Wilkey & Baker, contrs., Uniontown, Pa.
Wilkin-Challoner Co., Oshkosh, Wis.
Wilkins Co., George H., 180 N. Market St., Chicago.
Wilkins, Geo. Lester, 1775 Lunt Ave., Chicago.
Wilkins, J. D., contrs. tools & supp., 204-6 Est. Lee, Greensboro, N. C.
Wilkins-Leonard Hardware Co., Youngstown, Ohio.
Wilkins Mfg. Co., textile machy. supplies, etc., Woonsocket, R. I.
Wilkins Trunk Mfg. Co., Dallas, Tex.
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Wilkinson & Roger, leather, 313 N. 3rd, Phila., Pa.
Wilkinson, A. J. & Co., mill & facty. supplies, wholesale hdwe., 184 Washington, Boston, Mass.
Wilkinson, A. L., & Co., masons' & bldrs' matls., Bement, Ill.
Wilkinson, Allen A., Lbr. Co., Mich. & Pine, Indianapolis, Ind.
Wilkinson Auto Parts Co., 1524 S. Grand Ave., Los Angeles, Cal.
Wilkinson, G. A., canned goods, Nottingham, Pa.
Wilkinson, J. C., machst. & fndr., Shawnee, Okla.
Wilkinson Machine Co., Savannah, Ga.
Wilkinson Mfg. Co., ladders, Binghamton, N. Y.
Wilkinson-Scott Co., 176 E. Union, Pasadena, Calif.
Wilkinson, Seth, mach. wipers, Central Falls, R. I.
Wilkinson, W. H., Co., oil lubricators, etc., West Medway, Mass.
Wilkinsville Cotton Oil Co., meal, Wilkinsville, S. C.
Wilkoff Company, The, Youngstown, O.
Wilks Mfg. Co., S., 3505 Shields Ave., Chicago.
Will & Baumer Candle Co., Inc., Syracuse, N. Y.
Will & Sixbury, canned goods, Cleveland, N. Y.
Will-Burt Co., Orrville, O.
Will Corp., photographic chemicals, Rochester, N. Y.
Will, George, Co., Ames Bldg., Boston, Mass.
Will, J. E., Co., furniture, Dept. H, Bloomington, Ill.
Willamette Box & Lbr. Co., Lulnton, Portland, Ore.
Willamette Casket Co., Tacoma, Wash.
Willamette Equipment Co., contrs.' tools & machy. dlrs., Gasco bldg., Portland, Ore.
Willamette Gas Engines Works, E. 3d & Burnside, Portland, Ore.
Willamette Gas Engine Wks., 85 E. 11th N., Portland, Ore.
Willamette Iron & Steel Wks., ft. of Front, Portland, Ore.
Willamette Iron & Steel Works, 462 N. Front St., Portland, Ore.
Willmette Valley Lbr. Co., Dallas, Ore.
Willapa Harbor Fish Co., canned goods, South Bend, Wash.
Willapa Logging & Timber Co., lumber, South Bend, Wash.
Willapa Lumber Co., Gasco Bldg., Portland, Ore.
Willapa Lumber Co., Raymond, Wash.
Willard, Boggs & Co., contractors, Spartanburg, S. C.
Willard-Brent Co., Inc., contrs., 254 E. 27th, Los Angeles, Calif.
Willard, C. T., Co., brick, 110 E. 23d, New York.
Willard Canning Co., Ogden, Utah.
Willard, Chas. H., lbr., Townshend, Vt.
Willard, Chas. P., & Co., machsts. & fndrs., Winthrop Harbor, Ill.
Willard, Hawes & Co., Lewis & 7th Sts., New York. (Mahogany.)
Willard, John F., mill supplies, 306 E. 4th, Los Angeles, Calif.
Willard Mach. & Tool Co., Covington, Ky.
Willard Machine Tool Co., The, 3rd & Madison, Cincinnati, O.
Willard Mfg. Co., canvas aprons, etc., St. Albans, Vt.
Willard Pen Co., 324 W. 39th, New York City.

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V. P. & Gen. Mgr.—R. C. Norberg.
Asst. to Gen. Mgr.—S. W. Rolph.
Sales Mgr.—H. S. Gardner.
Adv. Mgr.—S. E. Baldwin.
Ry. & Stationary Battery Dept.—A. E. Harrold.
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Boston, Mass.—W. M. Lorenz.
Chicago—C. H. Frizell.
Cleveland, O.—I. A. Kuhn.
Dallas, Tex.—G. R. Smith.
Detroit, Mich.—C. P. Lord.
Indianapolis, Ind.—C. P. Lord.
Kansas City, Mo.—C. H. Starr.
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New York—A. E. Wilson.
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San Francisco, Cal.—N. G. Wolf.
Toronto, Ont., Can.—100 Sterling Rd., Willard Storage Battery Co. of Canada, Ltd., J. T. Foster, Gen. Mgr.

Willard, W. H., & Co., mill & facty. supplies, 189 Commercial, Worcester, Mass.
Willard, Wm. G., machsts. & fndrs. & steel range mfrs., 3d Chestnut, St. Louis, Mo.
Willat Production Co., elec. heaters, phonograph needles, etc., 1121 Howard, San Francisco, Calif.
Willbas, Gustaf, stone cutters' tools, Quincy, Mass.
Willcomb & Co., Geo., 60 Chardon, Boston, Mass.
Willcox Engineering Co., Saginaw, Mich.
Willcox, Ives & Co., fertilizer mfrs., Savannah, Ga.
Willcutt, G. L., wood handles, Plainfield, Mass.
Willcutt, L. D., & Sons Co., contractors, 146 Sumner, Boston, Mass.
Willemin Mfg. Co. (Inc.), special machinery & tools, 181 Eddy, Providence, R. I.
Willer Mfg. Co., weather strips & screens, 477 40th, Milwaukee, Wis.
Willet, Walter M., 430 Natoma, San Francisco, Calif.
Willett & Brown, brick, Bristol, Wis.
Willett Lumber Co., W. R., Starks Bldg., Louisville, Ky.
Willets Co., glass house clay supplies, 10th & Bradford, Pittsburgh, Pa.
Willey, C. A., Co., paint & varnish mfrs., Hancock, Long Island City, N. Y.
Willey Co., laundry machy., 1222 Race, Philadelphia, Pa.
Willey Co., C. A., Nott Ave., Long Island City, N. Y.
Willey Co., C. L., 2558 Robey St., Chicago.
Willey Co., Inc., laundry machy., 210 N. 13th, Phila., Pa.
Willey, O. H., mfrs. wood handles, Bryan, O.
Willey-Wray Elec. Co., 1523 Plum, Cincinnati, O.
Willhite Lbr. Co., lbr. mfg., Arcade bldg., St. Louis, Mo.
William & Moore, soap, Stockton, Calif.
William, Harry, & Son, carriages, Ogontz, Pa.
Williams & Bridges Co., packing mfrs., 74 Central, Worcester, Mass.

WILLIAMS & CO., C. K., Easton, Pa.
Williams & Co., Charles W., 309 Lafayette St., New York.
Williams & Co., Inc., 901 Penna. St., Pittsburgh, Pa.
Williams & Co. J. H., Buffalo, N. Y.
Williams & Co., Wm., 20 S. William St., New York.
Williams & Co., S. C., East Liverpool, O.
Williams & Cullinan, htg. contrs., Yonkers, N. Y.
Williams & Freedman, scrap iron, Harrisburg, Pa.
Williams & Hunting Co., Cedar Rapids, Ia.
Williams & Hurd, wood handles & brush blocks, West Arlington, Vt.
Williams & McIntyre Co., brick, Marysville, Ohio.
Williams & Massey Lbr. Co., Vina, Ala.
Williams & Merchant, contrs., 48 Barberry, Providence, R. I.
Williams & Poore, cornices, tea urns, 22 Medford, Boston, Mass.
Williams & Saylor, Inc., 450 4th St., New York.
Williams & Scott, flour mills, Etoile, Ky.
Williams & Simpson, flour mills, Aspen Hill, Tenn.
Williams & Son, T., 4423-4425 N. Clark St., Chicago.
Williams & Sons, C. U., Bloomington, Ill.
Williams & Sons, E. A., 109 Plymouth St., Jersey City, N. J.
Williams & Sons, Geo. A., 85 Fulton St., New York.
Williams & Sons, I. B., Orchard St., Dover, N. H.
Williams & Sons, Ichabod T., 11th Ave. and 25th St., New York.
Williams & Voris Lbr. Co., Chattanooga, Tenn.

WILLIAMS & WELLS CO., THE, 253 Fulton St., New York.

Williams & Williams, turpentine, Hurds, Fla.
Williams & Wilson, Ltd., Monreal, Que., Can.
Williams, A. C., Co., hardware mfrs., Ravenna, Ohio.
Williams, A. G., & Co., sashes, doors & blinds, Taunton, Mass.
Williams Apparatus Co., Park Pl., Watertown, N. Y.
Williams, Arthur A., Shoe Co., Holliston, Mass.
Williams, B. A. & G. N., stone, Walnut av. & 133d, New York.
Williams, B. S., & Son, canned goods, Buchanan, Va.
Williams-Bowman Rubber Co., The, 1947 S. 54th Ave., Chicago.
Williams Bridge Co., 514 Union Bldg., Syracuse, N. Y
Williams Bros., Ithaca, N. Y.
Williams Bros. Constr. Co., Roanoke, Va.
Williams Bros., flour mills, Limestone, Tenn.
Williams Bros., lbr., Guy Mills, Pa.
Williams Bros. Aircraft Corp., auto accelerators, 1301 Patiero av., San Francisco, Calif.
Williams Bros. Co., flour mill, Kent, Ohio.
Williams Bros. Mfg. Co., cutlery mfrs., Glastonbury, Conn.
Williams, Brown & Earle, Inc., 926 Chestnut St., Philadelphia, Pa.
Williams, C. A., lumber, Warwick, Mass.
Williams, C. H., Co., butchers' supplies, 535-7 S. Los Angeles, Los Angeles, Calif.
Williams, C. M., contractor, Norwich, Conn.
Williams, C. M., Grand av., Temple bldg., Kansas City, Mo.
Williams, Chas., & Co., stone producers, Bigelow, N. Y.
Williams, Chas. F., Stamp Co., stencils, 38 Chardon, Boston, Mass.
Williams Cliff Machine Co., (Not Inc.), Meridian, Miss.
Williams Co., A. C., Ravenna, O.
Williams Co., The Ben, Ashland, Ky.

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Sec. & Gen. Mgr.—H. F. Randall.
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N. Y.—New York—H. B. Ackland, 30 Church St.

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Williams Co., J. B., Glastonbury, Conn.
Williams Co., The W. W., 987 Goodae Ave., Columbus, O.
Williams Cypress Co., Ltd., F. B., Patterson, La.
Williams, D. T., Valve Co., Cincinnati, Ohio.
Williams, David J., stone, Perth Amboy, N. J.
Williams Drop Forging Co., Walnut St. & Penn Ave., Scranton, Pa.
Williams, E. H., Lumber Co., Fort Dodge, Iowa.
Williams, E. I., & Co., flour mills, Sanders, Ky.
Williams, E. Q., induction & spark coils, Syracuse, N. Y.
Williams, F. B., Co., hdwe. mfrs., 507 E. 39th, Chicago.
Williams, F. B., Cypress Co., Ltd., Patterson, La.
Williams Export Corp., John D., 25 Beaver St., New York.
Williams Fndry. & Mach. Wks., Cumberland, Md.
Williams Foundry Co., Vineland, N. J.

WILLIAMS FOUNDRY & MACHINE CO., Akron, O.

Williams, Frank C., flour mills, Easton, Pa.
Williams, Franklin, Inc., valves, exhaust heads, swing joints, 37 Cortlandt, New York.
Williams, G. M., Co., mill & facty. supplies, whol. hdwe., New London, Conn.
Williams, G. N., canned goods, Cutler, Me.
Williams Gauge Co., The, 543-4th Ave., Pittsburgh, Pa.
Williams, H. A. (Est. of), wood handles, Hancock, N. Y.
Williams, H. D., Cooperage Co., Montgomery, Ala.
Williams, H. E. & C. D., leather, 74 Gold, New York.
Williams, H. R., Mill Supply Co., 103 Mass. bldg., Kansas City, Mo.
Williams Hdwe. Co., whol. hdwe., masons' & bldrs.' & steam fitters' supplies, 113H, Vermillion, Streator, Ill.
Williams Hdwe. Co., The, Clarksburg, W. Va.
Williams Hdwe. Co., 100-2nd Ave. N., Minneapolis, Minn.
Williams-Hayward Co., 2522-6 W. Van Buren St., Chicago.
Williams, Henry M., machsts. & fndrs., Vincennes, Ind.
Williams, Homer, lumber, Thomasville, Ga.
Williams, I. H., contrs., 2147 Hubbard, Detroit, Mich.

WILLIAMS IMPROVED STRETCHER CO., Wheeling, W. Va.

Williams, J. A., & Co., whol. hdwe., 115 7th av., Pittsburgh, Pa.
Williams, J. G., Constr. Co., 519 California, San Francisco, Calif.
Williams, J. H., Co., mill & facty. supplies, Millbury, Mass.
Williams, J. H., & Co., contractors, Newport News, Va.
Williams, J. H., & Co., drop forgings & drop forged tools, 400 Vulcan, Buffalo, N. Y.
Williams, J. L., & Sons, lbr., Bearden, Ark.
Williams, J. R., lbr., Citra, Fla.
Williams, J. W., contrs., Marion, O.
Williams, John, 556 W. 27th St., New York.
Williams, John P., flour mills, Harrodsburg, Ky.
Williams, Jos., Co., soap, insecticides, etc., Sharpsburg, Pa.
Williams, L. E., metallic shingles, 49 Union av., Portland, Ore.
Williams, Luke, bldg. contr., Auburn, N. Y.
Williams Lumber Co., Ponchatoula, La.
Williams Lumber Co., Fayetteville, Tenn.
Williams, M. A., htg. contrs., Norfolk, Va.
Williams Machinery & Supply Co., A. R., 64 Front St., West, Toronto, Can.
Williams Mfg. Co. of Los Angeles, Calif., see Darsie Mfg. Co. (successor).
Williams Mfg. Co., agricultural implements, Macon, Ga.
Williams Mfg. Co., cements, Camden, N. J.
Williams Mfg. Co., chiropractic tables, 132H River, Elgin, Ill.
Williams Mfg. Co., Northampton, Mass.
Williams Mfg. Co. (Ltd.), machsts., Plattsburg, N. Y.
Williams Mfg. Co., metal polish, Westerville, Ohio.
Williams Mfg. Co., locust pins & brackets, Watertown, Tenn.
Williams Map & Guide Co., 325 Lafayette, New York.
Williams, N. W., contr., Pensacola, Fla.
Williams, O. B., Co., sash, door & blind mfrs., 1943 1st, Seattle Wash.
Williams, O. G., Co., advtg. novelties, 35 N. Dearborn, Chicago, Ill.
Williams, Outland & Co., Statesboro, Ga.
Williams Oven Mfg. Co., 41 Park row, New York.

WILLIAMS PATENT CRUSHER & PULVERIZER CO., 707 Montgomery St., St. Louis, Mo.

Williams Piano & Organ Co., 1257 Fullerton av., Chicago, Ill.
Williams Pivot Sash Co., 1827 E. 37th St., Cleveland, O.
Williams, R. A. & G. N., stone prod., Mill & Orchard, Astoria, L. I., N. Y.
Williams, R. B., flour mills, Andersonville, Tenn.
Williams, R. J., Slate Co., roofing slate mfrs., Granville, N. Y.
Williams Roger, htg. contr., 120 W. 32d, New York.
Williams, S. A., Lumber Co., sashes, doors & blinds, Atlanta, Ga.
Williams, S. G., & Co., contractors, Norfolk, Va.
Williams, S. W., fndrs., Elkhart, Ind.
Williams Sealing Corp., bottle caps, Decatur, Ill.
Williams Slate Co., Arvonia, Va.
Williams Soap Co., 521 W. McCarty St., Indianapolis, Ind.
Williams Sons, Jacob, 1855 S. Canal St., Chicago.
Williams Steel Wheel & Rim Co., Utica, N. Y.
Williams Stove Lining Co., Taunton, Mass.
Williams, T. E., Lumber & Mfg. Co., Springfield, Mo.
Williams Test Clamp Co., 1051 Power av., Cleveland, O.
Williams, Thos. F., htg. contrs., Bound Brook, N. J.
Williams Tool Co., 707 W. 12th St., Erie, Pa.
Williams Valve Co., D. T., Spring Grove Ave. and Township St., Cincinnati, O.
Williams, W., & Co., dumb waiters, 312 E. 95th, New York.
Williams, W. A., contrs., Chicago Junction, Ohio.
Williams, W. E., Co., lbr. mfrs., Traverse City, Mich.
Williams, W. Z., Co., contractors, Macon, Ga.
Williams-Wendt Co., 118 N. La Salle St., Chicago.

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New York—30 Church St., C. H. Holbrook.
Pittsburgh, Pa.—1301-130 Commonwealth Bldg., Frank Ryman.

Williams, Wm. E., mill & facty. supplies, 62 Front, New York.
Williams, Wm. E., valves, 62 Front, New York.
Williams, Wm. H., Co., advtg. spec., Greenville, Ohio.
Williams, William, Jr., hdwe. mfrs., 23 John, New Britain, Conn.
Williams Yellow Pine Co., Poplarville, Miss.
Williamsburg Canning Co., Williamsburg, Ohio.
Williamsburg Chemical Co., colors, 230 Morgan av., Brooklyn, N. Y.
Williamsburg Cork Wks., 50 Church, New York.
Williamsburg Flint Glass Co., 260 Boerum St., Brooklyn, N. Y.
Williamsburg Knitting Mills, sweaters, cardigans, etc., 20 Bogart, Brooklyn, N. Y.
Williamsburg Mfg. Co., see The Wells Corporation.
Williamsburg Packing Co., canned goods, Williamsburg, Md.
Williamsburg Tinsmith Supply Co., plbr. supplies, 514 Broadway, Brooklyn, N. Y.
Williamsgrove Brick Co., Bigler, Pa.
Williamson & Co., chemicals, 30 Church, New York.
Williamson & Co., D. D., 86 Fulton St., New York.
Williamson & Co., R., 601 Washington Blvd., Chicago
Williamson, Ben, & Co., whol. hdwe., Ashland, Ky.
Williamson, C. T., Wire Novelty Co., picture hooks, Badger av., Newark, N. J.
Williamson Co., J. E., Hellwood, Pa.
Williamson Fndry. Co., Marburg av., Oakley, Cincinnati, Ohio.
Williamson, Frank, 2302 Spruce St., Philadelphia, Pa.
Williamson Glue & Gum Works, 402 N. Paulina, Chicago.
Williamson, H. C., machy. dlr., band-saw machines, 321 N. Cradford av., Chicago, Ill.
Williamson, H. E., clothes washing machines, 1340 Mission, San Francisco, Calif.
Williamson, H. M., canned goods, Nace, Va.
Williamson Hardware Co., Bluffton, Ind.
Williamson Heater Co., 335 W. 5th St., Cincinnati, O.
Williamson, J. A., & Co., canned goods, Springwood, Va.
Williamson, J. E., & Co., stone producers, Paducah, Ky.
Williamson, J. N., & Sons Co., cotton flannels, Burlington, N. C.
Williamson-Kuny Mill & Lumber Co., Mound City, Ill.
Williamson Pen Co., Janesville, Wis.
Williamson Supply Co., Williamson, W. Va.
Williamson Veneer Co., Baltimore & 8th, Baltimore, Md.
Williamson Wire Novelty Co., C. T., Bager Ave., Newark, N. J.
Williamsport Furn. Co., Dept. H, Williamsport, Pa.
Williamsport Hardware & Stove Co., Williamsport, Pa.
Williamsport Hardwood Lumber Co., Williamsport, Pa.
Williamsport Leather Goods Co., belting, Williamsport, Pa.
Williamsport Machine Co., Williamsport, Pa.
Williamsport Mirror & Glass Co., Williamsport, Pa.
Williamsport Planing Mill Co., Williamsport, Pa.
Williamsport Radiator Co., Williamsport, Pa.
Williamsport Steam Co., htg. contrs., Williamsport, Pa.

WILLIAMSPORT WIRE ROPE CO., Williamsport, Pa. Chicago—Peoples Gas Bldg., C. M. Gallard, Gen. Sales Mgr.

Williamston Cooperage Co., Williamston, N. C.
Williamsville Buff Mfg. Co., Danielson, Conn.
Williard-Brent Co., Inc., contrs., 254 E. 27th, Los Angeles, Calif.
Willig Bros., flour, Temple, Tex.
Willimantic Lumber & Coal Co., masons' & bldrs.' matls., Willimantic, Conn.
Willimantic Mach. Co., Willimantic, Conn.
Willing, H. L., & Co., overalls, 212 Bates, Detroit, Mich.
Willing, J. W., & Son, canned goods, Nanticoke, Md.
Willingham Cotton Mills, Macon, Ga.
Willingham, E. G., textile machy., Moorhead av., Memphis, Tenn.
Willingham Sash & Door Co., Macon, Ga.
Willingham Stone Co., marble, Healey bldg., Atlanta, Ga.
Willingham Tift Lumber Co., Atlanta, Ga.
Willis & Rumery Co., bldg. contrs., 164 Woodford, Portland, Me.
Willis & Sons Co., cornices, Moline, Ill.
Willis, C. J., toasters, Ann Arbor, Mich.
Willis Coal & Mining Co., Fullerton bldg., St. Louis, Mo.
Willis Electric Co., elec. radiators, 4140 Euclid av., Cleveland, Ohio.
Willis Mfg. Co., Galesburg, Ill.
Willis Piston Co., 676 W. Grand blvd., Detroit, Mich.
Willis Products Co., The, 110 W. 40th St., New York
Willis, W. M., Carriage Wks., Ironton, O.
Willis, Wm. V., & Co., instruments, 225 S. 11th, Phila., Pa.
Willison, J. M., brick cutting wires, East Liverpool, Ohio.
Williston Mill Co., flour, Williston, N. D.
Williston, R. L., indelible ink mfr., Northampton, Mass.
Willite Road Construction Co., 51 Chamber, New York.
Willman Lbr. Co., Hartford City, Ind.
Willmar Milling Co., feed, Willmar, Minn.
Willmarth-Mackillop, contractors, Pawtucket, R. I.
Willmarth, O. Barlow, ores, Montrose, Colo.
Willmont Oil Mills, meal, Pelzer, S. C.
Willokite Machine Co., Arcade Bldg., St. Louis, Mo.
Willoughby Co., auto, wood & metal bodies, Utica, N. Y.
Willow Furniture Co., 625 W. 42d, New York.
Willow Grass Rug Co., grass matting, Green Bay, Wis.
Willow Grove Milling Co., flour, Willow Grove, Tenn.
Willow River Lbr. Co., Hayward, Wis.
Wills & Sons, Ltd., Geo., 230 California St., San Francisco, Cal.
Wills, A. V., & Sons, contractors, Pittsfield, Ill.
Wills, C. H., & Co., autos, Marysville, Mich.
Wills Egelhof Co., contrs., 224 W. 47th, New York.
Wills, F. A. & C. C., canned goods, Troutville, Va.
Wills, Geo. B., & Co., contractors, 224 W. 47th, New York.
Wills, Geo. W., machinist, Dover, Ohio.
Wills Mfg. Co., tank & stock heaters, plow coulters, etc., Mendota, Ill.
Wills Point Cotton Oil Co., fertilizer mfrs., meal, Wills Point, Tex.
Willsden, S. Blake, shears & scissors, Heyworth bldg., Chicago, Ill.
Willsea Works, The (Cement Block Mchy.), 60 Brown's Race, Rochester, N. Y.
Willshire Milling Co., wheat flour, Willshire, Ohio.
Willson, A. H., canned goods, Vineland, N. J.
Willson Bros. Lumber Co., Oliver bldg., Pittsburgh, Pa.
Willson, Fred T., & Co., architects, P. O. box 497, Bozeman, Mont.
Willson Goggles, Inc., 207 Washington St., Reading, Pa.
Willson, H. J., cornices, Everett, Wash.
Willsons Fireworks Co. (see Los Angeles Fire Works Co., successor).
Willy & Co., buckwheat, rye & wheat flour, Appleton, Wis.
Willys Light Div. Electric Auto Lite Corp., Toledo, Ohio.
Willys-Morrow Co., Inc., auto parts, Elmira, N. Y.
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Wilmanns, August C., architect, 35 S. Dearborn, Chicago, Ill.

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Wilmington Co., 235 Summit St., Toledo, O.
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ILL.—Chicago—614 W. Adams St., Haymarket 7640.
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MO.—St. Louis—604 Federal Reserve Bank Bldg., Main 481.
N. Y.—New York—36 Warren St., Barclay 6574.
OHIO—Cincinnati—141 E. 4th St., Main 171. Cleveland—411 Marion Bldg., Cherry 37.
ORE.—Portland—Corbett Bldg., Beacon 5644.
PA.—Philadelphia—Machinery Exch. Bourse Bldg., Lombard 9300. Pittsburgh—First Natl. Bank Bldg., Atlantic 1264.
UTAH—Salt Lake City—206 S. West Temple St., Wasatch 2580.
WASH.—Seattle—169 Jackson St., Elliott 5170. Spokane—317 Rookery Bldg., Main 3015.
CAN.—Montreal, Que.—131 Youville Square, Main 8748.

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Wilmington Lumber Co., Wilmington, N. C.
Wilmington Malleable Iron Co., Wks., New Castle & F Sts., Wilmington, Del.
Wilmington Oil Refining Co., cotton softeners, Wilmington, Del.
Wilmington Sash & Door Co., Mason, Ga., & Wilmington, Del.
Wilmort Mfg. Co., ash trays, smoking sets, 428 S. Green, Chicago, Ill.
Wilmot Engraving Co., Hazelton, Pa.
Wilmot Oil Mills, cottonseed meal, Wilmot, Ark.
Wilmsen, B., Christmas tree decorations, 212 Ionic, Phila., Pa.
Wilna Mach. Co., Carthage, N. Y.
Wilputte Coke Oven Corp., coke plant construction, 469 5th av., New York.
Wilsch Machine & Specialty Co., jigs, fixtures, etc., 237 Lafayette, New York.
Wilsdorf, M. A., cornices, 213 St. George, St. Louis, Mo.
Wilsey & Shaffer Mfg. Co., oars, boats, Vicksburg, Miss.
Wilshire Oil Co., petroleum, 2455 E. 27th, Los Angeles, Calif.
Wilson & Bennett Mfg. Co., 6532 S. Menard Ave., Chicago.
Wilson & Biggs, poles & cross ties, Greenup, Ky.
Wilson & Carmona, children's vehicles, etc., Winona, Minn.
Wilson & Cochran, lumber, Lottie, La.
Wilson & Co., canned goods, meat packers, etc., U. S. Yards, Chicago, Ill.
Wilson & Co., 430 Kent Ave., Brooklyn, N. Y.

WILSON & CO., E. H., 16 S. Broad St., Philadelphia, Pa.

Wilson & Co., Inc., 4100 S. Ashland Ave., Chicago.
Wilson & Co., Thos. E., 2037 Powell Ave., Chicago.
Wilson & Co., trolley catchers, 108 N. 6th, Brooklyn, N. Y.
Wilson & Daum Co., 14 Wood St., Pittsburgh, Pa.
Wilson & Eaton Co., masons' & bldrs.' matls., Amenia, N. Y.
Wilson & James, machs. & fndrs., Darlington, S. C.
Wilson & Merrick, canned goods, Ingleside, Md.
Wilson & Morrow, brick, Barnes City, Ia.
Wilson & Pugh, 26 George St., Cumberland, Md.
Wilson & Silsby, yacht sails, Rowe's Wharf, Boston, Mass.
Wilson & Son, J. H., ties, poles & posts, McLeansboro, Ill.
Wilson & Sons, J., Orianna & Cambridge Sts., Philadelphia, Pa.
Wilson & Tomlinson, contractors, 79 Milk, Boston, Mass.
Wilson & Toomer Fertilizer Co., 772 W. Bay, Jacksonville, Fla.
Wilson & Wilk Co., elec. light fix. mfrs., 1540 Milwaukee av., Chicago, Ill.
Wilson & Willard Mfg. Co., oil well tools, 2301 E. Vernon av., Los Angeles, Calif.
Wilson, A. & S., Co., contractors, 541 3d av., Pittsburgh, Pa.
Wilson, A. B., Co., junction boxes & shade rollers, 1051 Power bldg., Cleveland, Ohio.
Wilson, A. H., canned goods, Aberdeen, Md.
Wilson Brick Co., Wilson, Conn.
Wilson Bros. & Co., sashes, doors & blinds, 110 Market, San Francisco, Calif.

WILSON BROS., 43-47 Delaware, Easton, Pa.

Wilson Bros., machsts., Hoboken, N. J.
Wilson Bros. Lumber Co., Oliver Bldg., Pittsburgh, Pa.
Wilson Brush & Supply Co., Ludwig, 623 S. Clark St., Chicago.
Wilson, C. E., & Son, contractors, Barnesville, Ohio.
Wilson, C. R., Body Co., Clay av. & D. G. H. & M. R. R., Detroit, Mich.
Wilson, Cahill Box Co., N. 2706 Morton, Spokane, Wash.
Wilson Canning Co., Hebron, Md., & Mexico, N. Y.
Wilson Carbon Paper Co., 618 S. Spring, Los Angeles, Calif.
Wilson Chemical Co., Tyrone, Pa.
Wilson Co., textile machy. & supplies, struct'l steel etc., Greenville, S. C.

WILSON CO., ANDREW, 616 Essex St., Lawrence, Mass.

Wilson Co., Inc., Chas. T., 82 Beaver St., New York.
Wilson Co., The, H. A., 97 Chestnut St., Newark, N. J.
Wilson Co., J. C., 2248 W. Warren, Detroit, Mich.
Wilson Contracting Co., Newark, Ohio.

WILSON CORP., THE J. G., 11 E. 36th St., New York.
Pres.—M. S. Tremaine.
V. P.—Carlton M. Smith.
Sec. & Treas—J. F. Middleditch.
Gen. Mgr.—W. E. Duncanson.
Sales Mgr.—A. H. Dodge.
Plant Mgr.—H. A. Johnson.
Adv. Mgr.—E. Doscher.
CALIF.—Los Angeles—The J. G. Wilson Corp 621 N. Broadway, Phone 884-138.
GA.—Atlanta—J. M. Van Harlingen, Candler Bldg. Walnut 5368.

(Continued on following page)

WILSON CORP., THE J. G.—Continued.
ILL.—Chicago—H. B. Dodge & Co., 332 S. Michigan Ave., Harrison 2821.
MD.—Baltimore—The J. G. Wilson Corp., Munsey Bldg., Calvert 4267.
MASS.—Boston—The J. G. Wilson Corp., 134 Congress St., Fort Hill 3933-4.
MO.—St. Louis—The J. G. Wilson Corp., Chemical Bldg., Olive 8184.
N. Y.—Buffalo—W. D. Shumway, Fidelity Bldg., Seneca 4298.
Rochester—The J. G. Wilson Corp., 25 Main St., Stone 1123-4-5.
OHIO—Cleveland—The J. G. Wilson Corp., Union Bldg., Prospect 1984.
PA.—Philadelphia—The J. G. Wilson Corp., 1600 Walnut St., Spruce 4729.
Pittsburgh—H. H. Charles, Martin Bldg., Cedar 6372.
TEX.—Dallas—The J. G. Wilson Corp., Southwestern Life Bldg., X 8654.
VA.—Norfolk—The J. G. Wilson Corp., Berkley 701.
Richmond—J. S. Archer, Real Estate Exchange Bldg., Randolph 216.
Roanoke—The J. G. Wilson Corp., 522 MacBain Bldg., 4380.

Wilson Cypress Co., Palatka, Fla.
Wilson, D. L., flour mills, Moorefield, W. Va.
Wilson, E. L., Hardware Co., Beaumont, Tex.
Wilson Electric & Incubator Co., 4042 E. 14th, Oakland, Calif.
Wilson, Elwood J., 718 Borden Bldg., New York.
Wilson Engineering & Contr. Co., Xenia, Ohio.
Wilson, F. Cortez, Co., gasoline tanks, etc., 159 W. Lake, Chicago, Ill.
Wilson Fdry. & Machine Co., gray iron castings, Pontiac, Mich.
Wilson Furn. Co., Dept. H, Louisville, Ky.
Wilson, Geo. B., Co., clay mixers & mill engnrs., 308 E. 3d, Los Angeles, Calif.
Wilson, Geo., cornices & skylights, Florence, Colo.
Wilson, Geo. W., htg. contr., 612 Myrtle av., Brooklyn, N. Y.
Wilson Goggle, Inc., Reading, Pa.

WILSON, H. A., CO., THE, platinum refiners & mfrs. & contact points, 99 Chestnut, Newark, N. J.

Wilson, H. P. & H. F., bale ties, 520 Washington, New York.
Wilson, H. R., Machy. Co., Federal Reserve Bank bldg., St. Louis, Mo.
Wilson Hardware Co., E. L., Beaumont, Tex.
Wilson, Horatio, & Co., architects, 11 S. La Salle, Chicago, Ill.
Wilson-Hurd Co., bag holders, fly killers, Wausau, Wis.

WILSON-IMPERIAL COMPANY, THE, 115 Chestnut St., Newark, N. J.

Wilson Instrument & Spec. Co., Passaic, N. J.
Wilson Iron Works, Wm. H., 555 Lyell Ave., Rochester, N. Y.
Wilson, J. & R., 3 Jones La., New York.
Wilson, J. & R., Inc., mill & facty. supplies, Norfolk, Va.
Wilson, J. (Est. of), machsts. & fndrs., Easton, Pa.
Wilson, J. B., & Co., sashes, doors & blinds, Sherman, Tex.
Wilson, J. C., archl. iron, Watertown, N. Y.
Wilson, J. Frank, carriages, Wilkes-Barre, Pa.
Wilson, J. H., & Son, lbr. & railroad cross ties, McLeansboro, Ill.
Wilson, J. R., Inc., mill & factory supplies, 133 Stewart, San Francisco, Calif.
Wilson, Jas., & Co., mill & facty. supplies, Stamford, Conn.
Wilson, Jas. T., & Co., canned goods, Delmar, Del.
Wilson, John T., Co., contractor & bldr., Mutual bldg., Richmond, Va.
Wilson-Jones Loose Leaf Co., 3300 Franklin Blvd. Chicago.
Wilson, K. B. (Ford Tools), 10 Lock St., Buffalo, N. Y
Wilson, L. G., 300 Walsix bldg., Kansas City, Mo.
Wilson, Lee, & Co., lumber mfrs., Wilson, Ark.
Wilson, Ludwig, Brush & Supply Co., janitors' supplies, 638 S. Clark, Chicago, Ill.
Wilson Lumber & Box Co., Tonawanda, N. Y.
Wilson Lumber Co., Peavy, Shreveport, La.
Wilson Lumber Co., Book Bldg., Detroit, Mich.
Wilson Machine Co., 815 Avenue B, Burkburnett, Tex.
Wilson Machine Co., W. A., 217 N. Water St., Rochester, N. Y. (Now Morley Machinery Corp.)
Wilson Machinery Co., derricks, 301H 35th, Chicago, Ill.

WILSON-MAEULEN CO., pyrometers, testing machines, 383 Concord av., New York.

Wilson Mfg. Co., carpet beaters, Niles, Ohio.
Wilson, Mark K., contr., 6th & Market, Chattanooga, Tenn.
Wilson-Martin Co., fertilizer, glue mfrs., etc., 30th & Market, Philadelphia, Pa.
Wilson Mill Supply Co., 177 State, Rochester, N. Y.
Wilson Mills, Inc., lbr., Jamestown, N. Y.
Wilson, O. C. & K. R., mill & facty. supplies, 78 Dev., New York.
Wilson, O. J., machst. & fndr., Salem, Ore.
Wilson Oil Tools Corp., 2301 E. Vernon, Los Angeles, Calif.
Wilson, Pliny D., Co., see Wilson & Carmona (successors).
Wilson Provision Co., meat packers, Peoria, Ill.
Wilson, R. F., & Co., contractors, 1851 Elston, Chicago, Ill.
Wilson Remover Co., see Wilson-Imperial Co. (successor).
Wilson, Robt., & Son, archl. iron, 54 Garden, New Haven, Conn.
Wilson, Rbt. P., balata, springs, etc., 320 Market, Newark, N. J.
Wilson, Robert S., lumber mfrs., Seattle, Wash.
Wilson Rubber Co., The, 1216 Garfield Ave., S. W., Canton, O.
Wilson, Samuel, knitted gloves, Needham Heights, Mass.
Wilson Sand & Supply Co., Ft. 20th, Huntington, W. Va.
Wilson Shipbldg. Co., Astoria, Ore.
Wilson-Snyder Centrifugal Pump Co., 2 Ross, Pittsburgh, Pa.
Wilson-Snyder Mfg. Co., 2 Ross St., Pittsburgh, Pa.
Wilson Spring Co., Inc., 320 Market, Newark, N. J.
Wilson Steel Products Co., The, 49th and Western Ave., Chicago.
Wilson Stove & Mfg. Co., fndrs., Easton, Pa.
Wilson Stove & Mfg. Co., Valley Park, Mo.
Wilson, T. F., & Son, contractors, Brookville, Ind.
Wilson Tire & Rubber Co., Springfield, Ill.
Wilson, W. A., Machine Co., see Morley Mach. Corp. (successor).
Wilson, W. D., Printing Ink Co., 17 Spruce, New York.
Wilson, W. E., Lumber Co., Fort Recovery, Ohio.
Wilson, W. H., Iron Works, scrap iron, 551 Lyell av., Rochester, N. Y.
Wilson, W. S., Corp., whol. hdwe., 155 Chambers, New York.
Wilson, W. S., Lbr. Co., Camak, Ga.
Wilson, Walter, Co., whol. hdwe., Green Bay, Wis.
Wilson Welder & Metals Co., Inc., 132 King St., Brooklyn, N. Y.
Wilson, Wm. H., Iron Wks., scrap iron & structural steel, Rochester, N. Y.
Wilson-Wrape, W. W., Stave Co., cooperage stock, Little Rock, Ark.
Wilson, Wyle T., Oriana & Cumberland sts., Philadelphia, Pa.
Wilt Co., Chas. T., 1140-2 Moore St., Chicago.
Wilt Twist Drill Co., Walkerville, Ont., Can.
Wiltbonco Mfg. Co., gauges, regulators, etc., 24 Porter, Boston, Mass.
Wilton Mfg. Co., cocks, Wrightsville, Pa.
Wilts Veneer Co., Richmond, Va.
Wilwin Co., Ltd., lbr., Front Lake, Mich.
Wimberly & Thomas Hardware Co., 2011 1st Ave., Birmingham, Ala.
Wimmer Contracting Co., Victoria bldg., St. Louis, Mo.
Winamac Construction Co., Winamac, Ind.
Winans, C. H., Co., contractors, Elizabeth, N. J.
Winans Mach. Co., hand vacuum cleaners, Binghamton, N. Y.
Winbigler, Cecil M., 1511 16th, Washington, D. C.
Winborne & Co., fertilizer mfrs., Norfolk, Va.

WINCHELL, H. C., 230 East Ohio St., Chicago.

Winchester, B. & C., Co., platers' metals, Winsted, Conn.
Winchester Brass & Copper Co., brass stampings, Winsted, Conn.
Winchester Granite Brick Co., Winchester, Ky.
Winchester Lbr. & Mfg. Co., Winchester, Ky.
Winchester Lumber Co., Winchester, Ohio.
Winchester Mach. Wks., Winchester, Ind.
Winchester Milling Co., flour, Winchester, Tenn.
Winchester Packing Co., meat, Hutchinson, Kans.
Winchester Repeating Arms Co., rifles, cutlery, tools, etc., mfrs., 275 Winchester, New Haven, Conn.
Winchester-Simmons Co., New Haven, Conn.
Wincroft Stove Wks., Middletown, Pa.
Wind, Am., contrs., 517 Sunderland, Omaha, Neb.
Wind River Lbr. Co., Cascade Locks, Ore.
Windau Tool Co., 1565 E. 17th St., Cleveland, O.
Windeler, Geo., Co., tanks, 8th & Hooper, San Francisco, Calif.
Winder Oil Mill Co., Winder, Ga.
Windham Handle Co., South Windham, Conn.
Windholz, Charles A., canned goods, Syracuse, N. Y.
Winding & Gezelschap, asphalt paving contrs., Pabst bldg., Milwaukee, Wis.
Winding Gulf Colliery Co., coal mine, Winding Gulf, W. Va.
Windle, J. E., textile machy., Worcester, Mass.
Windman-Goldsmith, Inc., ground clamps, Perth Amboy, N. J.
Windman-Goldsmith, Inc., 399-103 E. av., Perth Amboy, N. J.
Windmuller, L., & Roelker, varnish gums, 256 Broadway, New York.
Windorf Bros., contrs., Kenosha, Wis.
Windowphanie Co., stained glass substitutes, 19 E. 14th, New York.
Window-Wall Co., Marietta, O.
Windshield Scupper Co., 10 Warren St., New York.
Windsor Brick Co., Grant Ext. & Tile St., Akron, O.
Windsor Cement Co., 446 Albany, Boston, Mass.
Windsor Coal Co., Bendum-Trees bldg., Pittsburgh, Pa.
Windsor Cove Packing Co., canned goods, Jesterville, Md.
Windsor Furn. Co., 1420H Carroll, Chicago, Ill.
Windsor Mfg. Co., brooms, Windsor, Mo.
Windsor Mfg. Co., furn., 820 Traction av., Los Angeles, Calif.
Windsor Mfg. Co., 570 Clinton St., Milwaukee, Wis.
Windsor Soap Co., 963 William, Buffalo, N. Y.
Windsor Webbing Co., Pawtucket, R. I.
Windt, Louis (Brass & Steel Engraver), 1404 S. Crawford Ave. Chicago.
Windy Hill Packing Co., canners, Easton, Md.

WINE RAILWAY APPLIANCE CO., THE, Water Works Drive, Toledo, O.
Pres. & Sales Mgr.— W. E. Wine.
V. P.—R. F. Tillman.
Sales Engr.—W. F. Cremean
Asst. to Pres., Western Sales—C. J. Holland.
Works Mgr.—L. J. Tillman.
Chicago—Peoples Gas Bldg., C. J. Holland.
New York—3636 Grand Central Terminal Bldg., Peter P. Beck.
Toledo, O.—W. E. Wine, R. F. Tillman.

Winebrenner, D. E., Co., canned goods, Hanover, Pa.
Wineman, A. G., & Sons, lbr., Greenville, Miss.
Wineman & Sons, A. G., Greenville, Miss.
Winer, Sam'l, & Co., scrap iron, Elkhart, Ind.
Winfield Bros. & Co., stone producers, Beach City, Ohio.

WINFIELD ELECTRIC WELDING MACH. CO., Warren, O.

Winfield-Kerner Co., 325 E. 6th, Los Angeles, Calif.
Winfield Mfg. Co., mail boxes, machsts., etc., Warren, Ohio.
Winfield Pottery Co., Winfield, Tex.
Winfield Sand Co., 2d Nat'l Bk. bldg., Pittsburgh, Pa.
Winfield Sand Co., Oliver Bldg., Pittsburgh, Pa.
Wing & Co., J. T., 17 Woodward Ave., Detroit, Mich
Wing & Evans, soda ash, etc., 40 Rector, New York.
Wing & Son, pianos, 9th av. & 13th st., New York.
Wing & Son, R. B., 384 Broadway, Albany, N. Y.
Wing Co., Charles, Amesbury, Mass.
Wing-Engel Box Co., Old Town, Me.
Wing Mfg. Co., L. J., 352 W. 13th St., New York.
Wing, Mitchell, & Co., soap, 113 Broad, Boston, Mass.
Wing, S., & Co., cameras, Charleston, Boston, Mass.
Wing Spool & Bobbin Co., Kingfield, Me.
Wing's Sons, Chauncey, machsts. & fndrs., Greenfield, Mass.
Wingate Bindery, 1204 19th, Bakersfield, Calif.
Wingender, Chas., & Bros., potteries, Haddonfield, N. J.
Winger-Blume Mfg. Co., clothes washing machines, Wolcott, Ind.
Winger Foundry & Furnace Co., Montpelier, Ohio.
Wingfield Hdwe. Co., whol., Augusta, Ga.
Wingren, Chas. O., machinist, Pasadena, Calif.
Winkelman & Co., L., 209-15 Lawrence St., Cincinnati, O.
Winkelman, Louis, & Co., forgings, dies, etc., 213 Lawrence, Cincinnati, Ohio.
Winking, Geo., cornices, Quincy, Ill.
Winkle Terra Cotta Co., Century Bldg., St Louis, Mo
Winkleman Bag & Burlap Co., 475 Lovejoy, Portland, Ore.
Winkler & Bros., Isaac, 804 1st Nat'l Bank Bldg., Cincinnati, O.
Winkler Boring Machine Co., Covington, Ky.
Winkler Furn. Co., Dept. H, Lexington, Mo.
Winkler-Grimm Corp., South Bend, Ind.
Winkler, Ignatz, & Co., stone producers, 2616 S. Sacramento av., Chicago, Ill.
Winkler Mfg. Co., advertg. novelties, vans, wagons, toys, etc., 29 Hydraulic av., South Bend, Ind.
Winkler-Reichmann & Co., 1745 W. 74th St., Chicago.
Winkler, W. E., sashes, doors & blinds, Butler, Ohio.
Winkley Artificial Limb Co., 1326-30 Washington Ave., Minneapolis, Minn.
Winland, W. V., flour mills, Elizabeth, W. Va.
Winn, E. L., Const. Co., contrs., Ry. Exch. bldg., Kansas City, Mo.
Winn, J. H., Sons, clock hands, Winchester, Mass.
Winn, Wm. R., 488 Cherry St., New York.
Winn's, J. H., Sons, clock hands, Winchester, Mass.
Winne, L. S., & Co., whol. hdwe., Kingston, N. Y.
Winne & Sons, Frank W., 42 N. Front St., Philadelphia, Pa.
Winne Co., D. P., (Twine), 105 Worth St., New York
Winnebago Furn. Mfg. Co., Fond du Lac, Wis.
Winnebayo Mfg. Co., furn., Dept. H, Rockford, Ill.
Winnebago Realty Co., lbr., Park Falls, Wis.
Winneberger & Son, Geo., 252 S. 3rd St., Philadelphia, Pa.
Winneconne Lumber Co., Oshkosh, Wis.
Winner Company, The, 30 Church St., New York.
Winner Gas Stove Co., The, Huntington, W. Va.
Winner, H. H., Co., The, bank architects & fixtures, Cunard bldg., San Francisco, Calif.
Winnfield Brick Co., Winfield, La.
Winnor & Adams, lbr., Lumber Exchange, Minneapolis, Minn.
Winnsboro Cotton Oil Co., meal, Winnsboro, Tex.
Winnsboro Granite Corp., Rion, S. C.
Winona Boiler Co., Winona, Minn.
Winona Casket Co., Winona, Minn.
Winona Cotton Mills, Winona, Miss.
Winona Gas Light & Coke Co., Winona, Minn.
Winona Htg. & Ventg. Co., Winona, Minn.
Winona Machine & Boat Wks., Winona, Minn.
Winona Mach. & Foundry Co., Inc., Winona, Minn.
Winona Mills Co., New Haven, Conn.
Winona Motor Co., Winona, Minn.
Winona Oil & Mfg. Co., Winona, Miss.
Winona Packing & Soap Co., Winona, Minn.
Winona Wagon Co., Winona, Minn.
Winorr Canning Co., Circleville, Ohio.
Winship & Sons Co., W. W., Utica, N. Y.
Winship, Chas. A., & Co., medals, 159 N. State, Chicago, Ill.
Winship, W. W., 71 Summer, Boston, Mass. (Trunks).
Winslow & Co., Inc., 253 Forest Ave., Portland, Me.
Winslow Boiler & Engineering Co., 208 S. La Salle St., Chicago.
Winslow, D. A., & Co., mill & facty. supplies, Norfolk, Va.
Winslow, Edw. L., stone prod., Kalamazoo, Mich.
Winslow Glass Co., milk jars & bottles, Columbus, O.
Winslow Grammont Standard Scale Wks., 1209 6th av., Terre Haute, Ind.
Winslow, J. A., & Son, cornices & skylights, Bath, Me.
Winslow Marine Ry. & Ship Building Co., Burke Bldg., Seattle, Wash.
Winslow, Sam'l, Skate Mfg. Co., 31 Mulberry, Worcester, Mass.
Winsor & Jerauld Mfg. Co., machsts., 1268 Eddy, Providence, R. I.
Winsor & Newton, oil colors & paints, 31 E. 17th, New York.
Winsted Edge Tool Works, The, Winsted, Conn
Winsted Hdwe. Mfg. Co., closet screws, Winsted, Conn.
Winsted Mfg. Co., machsts. & fndrs., Winsted, Conn.
Winsted Silk Co., thread, Winsted, Conn.
Winston & Co., contrs., Amer. Nat. Bk. bldg., Richmond, Va.
Winston Bros. Co., Minneapolis, Minn.
Winston-Dear Co., Minneapolis, Minn.
Winston, Miller & Clack, lumber—wholesale, Richmond, Va.
Winstran, Louis, furniture, Dept. H, Hudson, N. Y.
Wint Co., Ltd., F. W., Catsaauqua, Pa
Winter & Bain, arch'l iron & sand blast goggles, 2429 E. 25th, Los Angeles, Calif.
Winter & Co., pianos, 863 E. 141st, New York.
Winter & Co., H. P., (Dirs. in Mus.), 64 Wall St., New York.
Winter Bros., brick, Wadsworth, Ill.
Winter Bros. Co., Wrentham, Mass.
Winter Co., bk., office & store fix., Sheboygan, Wis.
Winter Constr. Co., contrs., Los Angeles Ry. bldg., Los Angeles, Calif.
Winter, F. W., & Co., windmills, Fairbault, Minn.
Winter, Frank, Hardware Co., Lancaster, Ohio.
Winter, Frank W., lbr., Auburn, Me.
Winter, G. C., mill & facty. supplies—masons' & bldrs.' matls., Southbridge, Mass.
Winter, H. G., contrs., David Whitney bldg., Detroit, Mich.
Winter, H. L., Mfg. Co., sash, door & blind mfrs., Alton, Ill.
Winter, H. W., harness, saddles, etc., Norfolk, Neb.
Winter Hdwe. Co., mill & facty. supplies, Fremont, O.
Winter, Louis F., machsts., 420 W. 27th, New York.

WINTER, MARTIN (Paper), 216 W. 18th St., New York.

Winter, Ross & Co., (Pig Iron), 15 Moore St., New York.
Winter Safe & Fixture Co., store fixtures, Mobile, Ala.
Winter Stamping Co., sheet metal stampings & curtain lights, Dept. H, Goshen, Ind.
Winter, Wm. F., bldg. contr., 1025 2d, Milwaukee, Wis.
Winterborne, W. H., & Sons, machsts. & brass fndrs., San Antonio, Tex.
Winterbotham & Sons, J. H., 8 S. Dearborn St., Chicago.
Winterbottom, Carter & Co., handles, bone, Egg Harbor City, N. J.
Winterbourne, S., & Co., varnish, oils, etc., 212 Pearl, New York.
Winterer, Herman L., 943 N. Front St., Philadelphia.
Winterhoff Tool & Machine Co., Elkhart, Ind.
Winterroth & Co., pianos, 8 Union sq., New York.
Winters & Prophet Canning Co., Mt. Morris, N. Y.
Winters Canning Co., Winters, Calif.
Winters, Edwin, stone producers, McKeesport, Pa.
Winters Hardware Co., Fremont, O.
Winters, Henry T., & Son, contractors, Waterville, Me.
Winters, J. H., & Son, flour mills, Adams, Tenn.
Winters Lumber Co., Elwood, Ind.
Winters, Mercer & Brannum Lbr. Co., Anderson, Ind.
Winter's Metallic Paint Co., Iron Ridge, Wis.
Winters Sign & Novelty Cor., Springfield, Ohio.
Wintheiser, A. M., htg. contr., 1518 W. 22d, Minneapolis, Minn.
Winther, Chas. A. G., Co., Inc., mill & facty. supplies, 176 Congress, Boston, Mass.
Winther Motors, Inc., Kenosha, Wis.
Winthrop Asphalt Shingle Co., Argo, Ill.
Winthrop Canning Co., Winthrop, Minn
Winthrop Mills Co., woolen blankets, Winthrop, Me.

Winton Engine Works, 2116 W. 106th St., Cleveland, Ohio.
Winyah Lumber Co., Georgetown, S. C.
Wipf, J., & Co., lumber, Iola, Wis.

WIRE & STEEL PRODUCTS CO., INC., THE, 421 E. 22d St., New York.

Wire Goods Co., 28 Union St., Worcester, Mass. (See The Washburn Co.)
Wire Novelty Mfg. Co., West Haven, Conn.
Wire Rope Lubricating Co., Trenton, N. J.
Wire Rope Mfg. & Eq. Co., 318 1st av. S., Seattle, Wash.
Wire Wheel Corp. of Amer., 1700 Elmwood Ave., Buffalo, N. Y.
Wireless Equipment Co., condensers, 226 Sherman, Newark, N. J.
Wireless Improvement Co., 66 York St., Jersey City, N. J.
Wireless Mfg. Co., Canton, O.
Wireless Shop, variable condensers, 1262 W. 2d, Los Angeles, Calif.
Wireless Specialty Apparatus Co., 76 Atherton, Boston, Mass.
Wires, E. Stanley, Co., contrs., 120 Boylston, Boston, Mass.
Wirfs, E. J., flexible gaskets, 106 S. 17th, St. Louis, Mo.
Wirick & Co., Carey G., 531 W. 58th St., Chicago.
Wirsing & Son, contractors, 2110 Mohegan av., New York.
Wirt & Knox Mfg. Co., 2228-2232 York St., Philadelphia, Pa.
Wirt Company, 5221 Greene St., Germantown, Philadelphia, Pa.
Wirt Fountain Pen Co., Paul E., Bloomsburg, Pa.
Wirt, Paul E., rubber goods, Bloomsburg, Pa.
Wirthlin-Mann Co., Plum & Commerce Sts., Cincinnati, O.
Wirtz & Hernlen, agricultural implements, Augusta, Ga.
Wirz, A. H., Inc., collapsible tubes, Chester, Pa.
Wisconsin-Alabama Lbr. Co., Sylacauga, Ala.
Wisconsin Aluminum Foundry Co., 16th & Franklin St., Manitowoc, Wis.
Wisconsin and Arkansas Lumber Co., Malvern, Ark.
Wisconsin Bag & Burlap Co., Neenah, Wis.
Wisconsin Box Co., packing, Wausau, Wis.
Wisconsin Brick Co., Madison, Wis.

WISCONSIN BRIDGE & IRON CO., 2000-50 Western Ave., North Milwaukee, Wis.

Wisconsin Butter & Cheese Co., canned goods, Waukesha, Wis.
Wisconsin Canning Co., Winneconne, Wis.
Wisconsin Chair Co., The, Port Washington, Wis.
Wisconsin Condensed Milk Co., canned, Burlington, Wis.
Wisconsin Culvert Co., Madison, Wis.
Wisconsin Cylinder Fdry. Co., Racine, Wis.

WISCONSIN ELECTRIC CO., 17 16th St., Racine, Wis.

Wisconsin Farm Implement Co., machsts., Beloit, Wis.
Wisconsin Farm Tractor Co., Sash City, Wis.
Wisconsin Fdry. & Machine Co., Madison, Wis.
Wisconsin Fndry. & Steel Wks., Cedar Grove, Wis.
Wisconsin Granite Co., 105 W. Monroe St., Chicago.
Wisconsin Incubator Co., Racine, Wis.
Wisconsin Iron & Metal Co., Oshkosh, Wis.
Wisconsin Iron & Wire Works, 1660 Booth St., Milwaukee, Wis.
Wisconsin Knitting Mills, sweaters, cardigans, etc., Manitowoc, Wis.
Wisconsin Land & Lumber Co., Hermansville, Mich.
Wisconsin Lime & Cement Co., 111 W. Washington St., Chicago.

WISCONSIN LUMBER COMPANY, 606 S. Michigan Ave., Chicago.

Wisconsin Machinery & Mfg. Co., 51st & Burnham Sts., Milwaukee, Wis.
Wisconsin Malleable Iron Co., S. Bay St., Milwaukee, Wis.
Wisconsin Metal Products Co., currycombs, cutting dies, hdwe. mfrs. & sheet metal stamping, Racine, Wis.
Wisconsin Miller Mfg. Co., 45th & Rogers Sts., Milwaukee, Wis.
Wisconsin Motor Mfg. Co., 44th Ave. & Burnham Sts., Milwaukee, Wis.
Wisconsin Pea Canners Co., canned goods, Manitowoc, Wis.
Wisconsin Pearl Button Co., La Crosse, Wis.
Wisconsin Plbg. & Htg. Sup. Co., 298 Reed St., Milwaukee, Wis.
Wisconsin Pulp Wood Co., Neenah, Wis.
Wisconsin Refrigerator Co., Eau Claire, Wis.
Wisconsin River Paper & Pulp Co., Neenah, Wis.
Wisconsin River Supply Co., plbrs.' supplies, Wausau, Wis.
Wisconsin Stable Equipment Co., cattle stanchions, Oconomowoc, Wis.

WISCONSIN STEEL CO., 606 S. Michigan Ave., Chicago.

Wisconsin Textile By-Products Co., Sheboygan, Wis.
Wisconsin Textile Mfg. Co., textile machy. supplies, etc., Two Rivers, Wis.
Wisconsin Timber & Land Co., lbr. mfrs., Sheboygan, Wis.
Wisconsin Timber Co., Inc., lumber, Stanwood, Wash.
Wisconsin Top Co., car curtains, Racine, Wis.
Wisconsin Veneer Co., Rhinelander, Wis.
Wisconsin Waste & Wiper Co., 713-15 Windlake Ave., Milwaukee, Wis.
Wisconsin Wire Works, Appleton, Wis.
Wisconsin Workshop for the Blind, willow-ware mfrs., 1312 Fond du Lac av., Milwaukee, Wis.
Wisdom & Co., glue mfrs., 217 W. Lake, Chicago, Ill.
Wise & Bros., L., 30 Main, Cincinnati, O.
Wise & Son, contractors, Springfield, Ill.
Wise, August, lumber, Ft. Loramie, Ohio.
Wise, C., & Bro., brick, Lancaster, Pa.
Wise, F. S., & Sons, lbr., Cloverlick, W. Va.
Wise Furnace Co., 98 Lincoln, Akron, Ohio.
Wise, G. W., Co., glass stainers, 289 Congress, Boston, Mass.
Wise Granite & Construction Co., contractors—bldg. & gen., Richmond, Va.
Wise, H., lbr. mfrs., La Porte, Ind.
Wise, J. B., Watertown, N. Y.
Wise, J. H., Constr. Co., contractors, Post Dispatch bldg., St. Louis, Mo.
Wise Lumber & Coal Co., masons' & bldrs.' matls., Bangor, Pa.
Wise-McClung Mfg. Co., The, New Philadelphia, O.
Wise Pulverizer Co., O. B., Knoxville, Tenn.
Wise, R. S., machst., Upland, Ind.
Wise Soda Apparatus Co., Bellevue, Ohio.
Wise's, Sam'l B., Sons, carriages, Orrstown, Pa.
Wiseman, Harrison C., architect, 23 W. 43d, New York.
Wishart, A., & Sons Co., masons' & bldrs.' matls.—contractors, Sharon, Pa.
Wishart, R. S., Co., cornices, Minneapolis, Minn.
Wishkah Shingle Co., lumber, Aberdeen, Wash.
Wiss & Son Co., J., 31 Littleton Ave., Newark, N. J.
Wissinoming Tool Wks., Wissinoming, Pa.
Wissinoming Tool Wks., pneumatic chisels, Van Kirk & Trenton, Philadelphia, Pa.
Wissler Instrument Co., 613 W. Broadway, St. Louis, Mo.
Wissmach, Paul, Glass Co., Meadow, Long Island City, N. Y.
Wissner & Sons, Inc., pianos, 55 Flatbush av., Brooklyn, N. Y.
Wistar, Underhill & Nixon, City Center Bldg., Philadelphia, Pa.
Wistrand Mfg. Co., agricultural implements, Galva, Ill.
Witheck, Clark Co., mill, facty. & railway supplies, whol. hdwe., Schenectady, N. Y.
Witchell-Scheill Co., baseball shoes, 168 Brooklyn, Detroit, Mich.
Witcombe, McGeachin & Co., linoleum, 22 W. 37th, New York.
Witenberg Mfg. Co., canvas gloves, Tacoma, Wash.
Witham Co., machsts., Hoosick Falls, N. Y.
Witham, G. S., & Son, axe mfrs., cant-dogs, Caratunk, Me.
Witherbee, Sherman & Co., 30 Church St., New York.
Witherbee Storage Battery Co., Inc., 234 W. 55th St., New York.
Witherell, L. M., & Sons, contractors, Taunton, Mass.
Witherow Steel Co., Keystone Bldg., Pittsburgh, Pa.
Withers, B. F., masons' & bldrs.' matls., Charlotte, N. C.
Withers Foundry & Machine Works, Atlanta, Ga.
Withers, R. T., Sons Co., htg. contrs., 24 N. Mercer, New Castle, Pa.
Witherspoon Bros. & Co., coffins & caskets, Magnolia & Houser, Sumter, S. C.
Withington, C. W., machinist, 416 2d, San Francisco, Calif.
Withington-Roberts-Wright Company, 622 Swetland Bldg., Cleveland, O.
Withrow Mfg. Co., baby carriages, 2727 Spring Grove av., Cincinnati, Ohio.
Witker Mfg. Co., Toledo, O.
Witkowsky's, A., Sons Co., overalls, Lakeside & W. 3d, Cleveland, Ohio.
Witt & Brown, cornices, windows, 215 W. 3d, Cincinnati, Ohio.

WITT CORNICE CO., THE, Cincinnati, O.

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Mobile—McGowin-Lyons Hdwe. & Supply Co., St. Louis & Water St.
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ILL.—Chicago—L. H. Ockershausen, 130 N. Wells St., Main 4226.
IND.—Indianapolis—Vonnegut Hardware Co., 120 E. Washington St., Main 4192.
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St. Lou's—Geller, Ward & Hasner Co., 412 N. Fourth St., Main 3500.
NEB.—Omaha—Lee-Kountze Hardware Co.
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Foreign:
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PORTO RICO.—San Juan—Mendez & Co., 4 Deposito St. Marina.

Witt, G. E., Co., machinists, 862 Howard, San Francisco, Calif.
Witt, S. W. & J. W., flour mills, Nellyford, Va.
Witt-Will Co., 52 W. Et., N. E., Washington, D. C.
Witte, Alexis, Cutlery Co., razor cases, etc., 36 Erasmus, Brooklyn, N. Y.
Witte Engine Works, Inc., 16th & Oakland, Kansas City, Mo.
Witte, Francis T., Hardware Co., 106 Chambers, New York.
Witte Hardware Co., 706 N. 3rd St., St. Louis, Mo.
Witte Mfg. Co., J. C., 30 Hennifit Ave., Minneapolis, Minn.
Wittel, E. S., & Son, lbr. & wood handles, Shortleaf, Ala.
Wittemann Bros., machsts., 41 Ferris, Brooklyn, N. Y.
Wittemann Co., machsts., 842 Elk, Buffalo, N. Y.
Wittemann, Lewis, Aircraft Co., Inc., Malcolm av., Hasbrouck Hts., N. J.
Wittemeir's, F., Sons, corn & whisk brooms, Fort Hunter, N. Y.
Wittenmeier Mach. Co., 850 N. Spaulding Ave., Chicago
Witter-Fisher Co., Moscow, Idaho.
Witter, Jno., brick, Bucyrus, Ohio.
Wittig, F., & Co., charcoal, 36th & Greenfield av., Milwaukee, Wis.
Wittkowsky, H., carriages, 203 E. 88th, New York.
Wittman, N. B., & Co., iron ore, Commercial Trust bldg., Philadelphia, Pa.
Witty, Wm. C., carriages, New Brunswick, N. J.
Wix & Co., Chas., 45 Vesey St., New York.
Wizard Electric Lamp Co., 521 Howard St., San Francisco, Cal.
Wizard Lamp Co., oil measures, etc., 947 Folsom, San Francisco, Calif.
Wizard Lunch Kit Co., The, auto accessories, 1801 Divisadero, San Francisco, Calif.
Wizard Products Co., mops, 1444 W. 37th, Chicago, Ill.
Wizard Tractor Corp., Monrovia, Calif.
Wobosel, Matthew, stone producers, De Pere, Wis.
Woburn Degreasing Co., Woburn, Mass.
Woburn Gear Works, see Mass. Gear & Tool Co. (successor).
Woburn Iron Foundry, Woburn, Mass.
Woburn Machine Co., Woburn, Mass.
Wocher & Son Co., H. M., 1222 W. College St., Philadelphia, Pa.
Wocher & Son Co., Max, 29 W. 6th St., Cincinnati, O.
Wodack Electric Tool Corp., 23 S. Jefferson St., Chicago.
Wodtli, Fred, lbr., Foster, Ore.
Woeber Car & Mfg. Co., Denver, Colo.
Woeber Carriage Works, Davenport, Iowa.
Woefel-Day Leather Co., New Albany, Ind.
Woelfel Leather Co., Morris, Ill.
Woelkers, Herman J., & Co., contractors, Scranton, Pa.
Woerfel, Adolph, brick, Manitowoc, Wis.
Woerman Constr. Co., Syndicate Trust bldg., St. Louis, Mo.
Wogaman Bros. Co., machinists, Greenville, Ohio.
Wohl, M. J., & Co., arc lamps, Payntor av., Brooklyn, N. Y.
Wohlberg, Richard (Rubber Cement), Boon and 173rd Sts., New York.
Wohlman Mfg. Co., Inc., show cases & store fixtures, 4800 Santa Fe av., Los Angeles, Calif.
Wohlrab Gear Co., The, 1226 Frederick St., Racine, Wis.
Wohlsen Planing Mill Co., 405 N. Mulberry, Lancaster, Pa.
Wolcott Brick & Drain Tile Co., Wolcott, Ind.
Wolcott Bros., lbr. mfrs., Manchester, Ia.
Wolcott, Frank E., Mfg. Co., elec. curling irons, 74 Union pl., Hartford, Conn.
Wolcott, J. F., & Co., flour mills, South Carrollton, Ky.
Wold & Co., Torris, (Die makers), 240 N. Ashland Ave., Chicago.
Wold Air Brush Mfg. Co., The, 2173 N. California Ave., Chicago.
Wold, C. L., Co., contrs., 185 Stevenson, San Francisco, Calif.
Woldert, Alex, & Co., canned gds. & nut crackers, Tyler, Tex.
Woldert Grocery Co., see Woldert, Alex., Co. (successor).
Wolf & Co., Franklin Bldg., Philadelphia, Pa.
Wolf & Co., Inc., Jacques, Lexington Ave. & Center St., Passaic, N. J.
Wolf & Co., scrap iron, Hamilton, Ohio.
Wolf Bros., press papers & boards, 330 N. 12th, Philadelphia, Pa.
Wolf, C. K., gate hinges, Xenia, Ohio.
Wolf, Chas., masons' & bldrs.' matls., 204 Waverly av. & Peshine, Newark, N. J.
Wolf Co., E. A. Paul, 339 Greenwich St., New York.
Wolf Co., The, Chambersburg, Pa.
Wolf Concrete Constr. Co., 290 Palisade av., Bridgeport, Conn.
Wolf Creek Soap Wks., Dayton, Ohio.
Wolf Electric Co., Omaha, Neb.
Wolf Envelope Co., E. 22d & Payne av., Cleveland, O.
Wolf, Henry F., machst. & fndr., Plymouth, Wis.
Wolf, Herman, & Co., varnish mfrs., 1223 Wade, Cincinnati, Ohio.
Wolf, Jacques, & Co., chemicals, alizarine assistant, Passaic, N. J.
Wolf, John M., Co., stove polish, 742 Flushing av., Brooklyn, N. Y.
Wolf, Leon L., Paint Co., 411 South Ohio Bk., Cincinnati, Ohio.
Wolf, M. L., Auto Co., machsts., Maryville Pk., Knoxville, Tenn.
Wolf Mach. Co., sash operating device, Dayton, Ohio.
Wolf Mfg. Co., harness mfrs., Quincy, Ill.
Wolf Milling Co., flour, Ellinwood, Kans.
Wolf, Paul E., Bedding Co., mattresses, Canal, Ft. Wayne, Ind.
Wolf, Penrose, Rockwood, Pa.
Wolf River Lumber Co., Antigo, Wis.
Wolf River Paper & Fiber Co., Shawano, Wis.
Wolf Safety Lamp Co. of Amer., 220 Taaffe Place, Brooklyn, N. Y.
Wolf, Saxer & Heller, Peoria and Fulton Sts., Chicago
Wolfberg, Jacob, mattresses, 400 Pine, Altoona, Pa.
Wolfe & Jelson, contrs., West Orange, N. J.
Wolfe Brush Company, Pa. Ave. & Bidwell, Pittsburgh, Pa.
Wolfe Electric Co., Omaha, Neb.
Wolfe, J. N., sashes, doors & blinds, Bogota, N. J.
Wolfe Lbr. & Hdwe. Co., whol. hdwe., 2289 Folsom, San Francisco, Calif.
Wolfe, R. H., & Son, flour mills, Georgetown, Ky.
Wolfe, W. S., machinist, Wilson, Kans.
Wolfenden, Daniel, mill & facty. supplies, 48 N. Front, Philadelphia, Pa.
Wolff & Co., Benj., 2801 S. Kedzie Ave., Chicago.
Wolff & Munier, Inc., htg. contrs., 405 Lexington av., New York.
Wolff Bros., contrs., Jefferson City, Mo.
Wolff, Chas., Packing Co., Topeka, Kans.
Wolff Co., Norbert, 470 Greenwich St., New York.
Wolff, E. M., & Co., granite producers, Mansfield, O.
Wolff, Kubley & Hirsig, cornices, Madison, Wis.
Wolff, L. A., Metal Wks., babbitt metal, etc., 1257 Harrison av., Cincinnati, Ohio.
Wolff Mfg. Co., N. 24 Wazee, Denver, Colo.
Wolff Mfg. Corp., 255 N. Hoyne Ave., Chicago.
Wolff Metal Co., 1803 John, Cincinnati, Ohio.
Wolff Milling Co., flour, New Haven, Mo.
Wolff, Philip, & Son, contractors, 17 Wright, Stapleton, N. Y.
Wolff, Wm. D., & Co., heating contrs., 193 Clinton pl., Newark, N. J.
Wolffin-Luhring Co., see Luhring Lbr. Co. (successor).
Wolfram, H. A., Inc., cigar boxes, 16H 21st, Watervliet, N. Y.
Wolfschlag, Jos. A., machsts. & fndrs., 253 William, New York.
Wolfshurn & Sachs, jewelry cases, 35 Maiden la., New York.
Wolfson Bros. Umbrella Co., 935 Broadway, New York.
Wolfsteiner Co., cornices & skylights, 1315 W. W. W., Waterbury, D. C.
Wolins & Bull, Inc., contrs., 599 Wshn., New York.
Wolke, John, contr., Jacksonville, Ill.
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Wollensak Optical Co., Rochester, N. Y.
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Wollo Ignition Products Co., spark plugs, 3328 Olive, St. Louis, Mo.
Wolmark Chem. Co., essential oils, 17 E. 14th, New York.
Wolstencroft Felt Mfg. Co., Mulberry & Bridge, Philadelphia, Pa.
Wolter Auto Signal Co., Everett, Wash.
Wolterstorff Range Co., 66 E. 3d, St. Paul, Minn.
Wolverine Brass Works, 620 Monroe St., N. W., Grand Rapids, Mich.
Wolverine Burial Case Co., coffins, etc., 680 E. Congress, Detroit, Mich.
Wolverine Lubricants Co., 44 Whitehall, New York.

Wolverine Lbr. Co., Bay City, Mich.
Wolverine Motor Wks., machsts., 35 Union av., Bridgeport, Conn.
Wolverine Paper Co., Otsego, Mich.
Wolverine Portland Cement Co., Coldwater, Mich.
Wolverine Soap Co., Portland, Mich.
Wolverine Specialty Mfg. Co., auto jacks, Turner bldg., Battle Creek, Mich.
Wolverine Stamping Co., E. Grand Blvd. & Russell St., Detroit, Mich.
Wolverine Supply & Mfg. Co., machsts. & fndrs., Page & Fontella, Pittsburgh, Pa.
Wolverine Temperature Regulator Co., thermostats, Marshall, Mich.
Wolverine Tube Co., 1411 Central St., Detroit, Mich
Wolverton Mfg. Co., rat traps, Holton, Kans.
Womack, A. L., Co., canned goods, Bristol, Conn.
Womack, C. W., & Co., contractors, Lynchburg, Va.
Womble's, J. C., Sons, see Commercial Hdwe. Co., Inc. (successor).
Wonder Electric Mfg. Co., cooking apparatus, 487 N. 29th, Portland, Ore.
Wonder Grinder Co., sanding machy., 612 W. 12th, Erie, Pa.
Wonder Mfg. Co., 607 Bryant, San Francisco, Calif.
Wonder Spool Co., tex. machy., supplies, etc., 13 Wormwood, Boston, Mass.
Wonderly, Abner H., machsts. & fndrs., 621 Commerce, Philadelphia, Pa.
Wondermist Co., 30 Killy, Boston, Mass.
Wondertone Phonograph Co., talking machines, 216 N. Michigan av., Chicago, Ill.
Wood & Allison, brick, Haverstraw, N. Y.
Wood & Bishop Co., Bangor, Me.

WOOD & CO., R. D., 400 Chestnut St., Philadelphia, Pa.

Wood & Durham Mfg. Co., chemicals, 2001 Slauson av., Los Angeles, Calif.
Wood & Hyde Co., leather, Gloversville, N. Y.
Wood & Iverson, lumber, Hobart, Wash.
Wood & M., Owosso, Mich.
Wood & Nathan Co., 521 W. 23rd, New York.
Wood & Safford Mach. Wks., Great Falls, Mont.
Wood & Selick, paste, 36 Hudson, New York.
Wood & Son, John A., Lawrence, N. Y.
Wood & Sons Co., A. A., Atlanta, Ga.
Wood & Spencer Co., machsts. & fndrs., 1930 E. 61st, Cleveland, Ohio.
Wood, A. C., textile machinery supplies, Advance, N. C.
Wood, A. M., Co., lbr., Charlestown, Boston, Mass.
Wood Alan Iron & Steel Co., iron rolling mill, Conshohocken, Pa.
Wood, Brightman & Co., cornices, skylights & plumbers' supplies, 47 N. Water, New Bedford, Mass.
Wood Brothers, fertilizer, Conyers, Ga.
Wood Bros. Thresher Co., Des Moines, Ia.
Wood, C. D., Elec. Co., lamps, flashlights, etc., 565 Broadway, New York.
Wood, C. H., Co., mill & facty. supplies, machy. dlrs., Syracuse, N. Y.
Wood, Calvin, brass composite fndrs., Laconia, N. H.
Wood, Clarence W., plate & leaded glass, Syracuse, N. Y.
Wood Co., Charles N., 948 Old South Bldg., Boston, Mass. (Elec. Ry. Sup.)
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Wood Co., W. E., 18 N. Howard St., Baltimore, Md.
Wood Conversion Co., Cloquet, Minn.
Wood-Detroit Mfg. Co., bronze business signs, bronze memorial tablets, bronze name plates, Marquette bldg., Detroit, Mich.
Wood Drill Works, Paterson, N. J.
Wood, E. K., Lumber Co., 1 Drumm, San Francisco, Calif.
Wood, Edw. J., Clarksburg, W. Va.
Wood Electric Co., C. D., 441 Broadway, New York.
Wood Engine Co., S. W., Clyde, N. Y.
Wood, Ewing, Iron Works, 1371 Macadam rd., Portland, Ore.
Wood, F. A., cornices & skylights, Skowhegan, Me.
Wood, Frank V., wood handles, Valley City, Ohio.
Wood, G. E., Tool Co., see Stanley Works (successors).
Wood, Geo. H., Corp., rubber cements, 146 Summer, Boston, Mass.
Wood Glass Co., Syracuse, N. Y.
Wood, H. C., Co., contractors, North Adams, Mass.
Wood, H. H., & Co., socks—lumbermen's, Lakeport, N. H.
Wood Hydraulic Hoist & Body Co., 1028 Bellevue Ave., Detroit, Mich.

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New York—50 Church St., W. H. Van Vleck.
San Francisco, Cal.—444 Market St., A. B. Ambler.

Wood Iron Works, Inc., John, 461 Alder, E., Portland Ore.
Wood, J., & Bros. Co., iron rolling mills, Conshohocken, Pa.
Wood, J. Edwin, Co., steam fitters' supplies, Charlottesville, Va.
Wood, J. R., dock bldrs., Central bldg., Seattle, Wash.
Wood, J. W., Elastic Web Co., shock absorbers, 45 E. 17th, New York.
Wood, Jas. A., lumber, Ames bldg., Boston, Mass.
Wood, Jas. P., Htg. Co., 239 N. 4th, Philadelphia, Pa.
Wood, Jno., Mfg. Co., machsts. & fndrs., Conshohocken, Pa.
Wood Lumber Co., E. K., 1 Drumm St., San Francisco, Cal.
Wood Lumber Co., W. C., Collins, Miss.
Wood Mfg. Co., auto lamps, searchlights or projectors, Fairfield, Conn.
Wood Mfg. Co., see Independent Furn. Co. (successor).

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New York—Wood Shovel & Tool Co., 50 Church St
Norfolk, Va.—H. L. Gilliam.
St. Louis, Mo.—Railway Equipment Co., 491 Arcade Bldg.
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Wood Shovel & Tool Co., Piqua, O.
Wood-Smith & Co., Chicago Heights, Ill.
Wood, Stubbs & Co., fertilizer mfrs., Louisville, Ky.
Wood Supply Co., J. R., 417 Broadway, Cincinnati, O
Wood, T. B., Sons Co., power transmission machy., Chambersburg, Pa.
Wood, T. C., Hardware Co., Rhinelander, Wis.
Wood, T. H., Co., fish line mfrs., South Coventry, Conn.
Wood, Thos., stone, Montclair, N. J.
Wood Turret Machine Co., Brazil, Ind.
Wood, W. A., Co., lubrg. oils, 373 Atlantic av., Boston, Mass.
Wood, W. C., Co., tire patches, 528 University av. S. E., Minneapolis, Minn.
Wood, W. C., Lumber Co., Collins, Miss.
Wood, W. E., Co., contrs., Ford bldg., Detroit, Mich.
Wood, W. G., & Son, canned goods, Roanoke, Va.
Wood, W. H., machst., Media, Pa.
Wood, Walter A., Mowing & Reaping Machine Co., Hoosick Falls, N. Y.
Wood, Wm. F., & Son, lenses, South Coventry, Conn.
Wood, Williston P., lumber, Grand Valley, Pa.
Wood Working & Stair Building Co., sash, door & blind, Williamsport, Pa.
Wood's, Henry, Sons Co., yellow chrome, Wellesley, Mass.
Wood's, I. B., Sons Co., power transmission machy., Chambersburg, Pa.
Woodall & Co., Wm. E., ft. of Woodall St., Baltimore, Md.
Woodard & Wright Last Co., wooden shoe lasts, Brockton, Mass.
Woodard Furn. Co., Dept. H, Owasso, Mich.
Woodard Machine Co., Wooster, O.
Woodbridge Clay Products Co., fire clay, Perth Amboy, N. J.
Woodbridge, F. L., Box Co., Brockton, Mass.
Woodbridge Ornamental Iron Co., 1515 Altgeld St., Chicago.
Woodbridge Pottery Co., Woodbridge, N. J.
Woodbridge, S. Homer, consltg. htg. engr., 312 Tappan, Boston, Mass.
Woodburn Lumber Co., Woodburn, Ind.
Woodburn Tile & Brick Co., Woodburn, Ind.
Woodbury & Co., cameras, Chadwick sq., Worcester, Mass.
Woodbury Glass Co., glass bottles, Winchester, Ind.
Woodbury Granite Co., Hardwick, Vt.
Woodbury, I. F., & Sons Co., contractors, 185 Summer, Boston, Mass.
Woodbury Label Co., mfrs., Woodstock, Vt.
Woodbury Oil Mills, Woodbury, Ga.
Woodcock & Walter, contrs., Dept. H, Burlington, Ia.
Woodcock, A. B., blankets, flannels, woolen, Waterside, Pa.
Woodcock Bros., granite, Barre, Vt.
Woodcock, M. E., lbr., Edwards, N. Y.
Woodcox, I. N., & Son, mill & facty. supplies, Piqua, Ohio.
Wooden Ventilator Co., East Palestine, Ohio.
Woodford, H. W., lumber mfrs., Avon, Conn.
Woodhead Lbr. Co., Los Angeles, Calif.
Woodhill Brass Co., cocks, 2889 Woodhill rd., Cleveland, Ohio.

WOODHOUSE CHAIN WORKS, 3rd & Schenck St., Trenton, N. J.

Woodhouse Co., J. S., (Agr. Implts.), 256 West St., New York.
Woodhouse Electric Co., Inc., 151 Bank St., Norfolk, Va.
Woodhouse Mfg. Co., 35 Warren St., New York.
Woodhouse, Samuel, 3515 E. 82nd St., Cleveland, O.
Woodhouse, Samuel F., Unity & Franklin Sts., Philadelphia, Pa.
Woodhouse, Wm., Chain Mfg. Co., chain mfrs., Edgely, Bucks Co., Pa.
Woodill & Hulse Electric Co., 111 E. 3rd St., Los Angeles, Calif.
Woodin & Little, mill & facty. supplies—engines, etc., 33 Fremont, San Francisco, Calif.
Woodin, P. S., mill supplies, Grants Pass, Ore.
Wooding, C. F., & Co., Wallingford, Conn.
Woodison & Co., E. J., 1200 Niagara St., Buffalo, N. Y.
Woodison Co., E. J., 1621 St. Aubin, Detroit, Mich
Woodland Mfg. Co., coffins, George, N. C.
Woodlawn Metal Co., scrap brass, copper, etc., 332 W. 26th, New York.
Woodlawn Mill & Beom Co., Hoquiam, Wash.
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Woodruff Cotton Mills, Woodruff, S. C.
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Woodruff Machy. Mfg. Co., machsts. & fndrs., Winder, Ga.
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Woodruff Planing Mill Co., Cadiz, Ky.
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Wright, Frank A., 15 E. 40th, New York.
Wright, Frank L. (Forest Products), 99 Nassau St. New York.
Wright, G. A., stone producers, Bay City, Mich.
Wright, G. F., Steel & Wire Co., fences, 243 Stafford, Worcester, Mass.
Wright, G. Earl, Co., 123-9 2d, San Francisco, Calif.
Wright, Geo. W., machst. & fndr., Lapel, Ind.
Wright, H. D., granite, Graniteville, Mass.
Wright, H. Earl, Co., radio parts, 131 8th, San Francisco, Calif.
Wright, H. P., & Co., contractors, 207 E. 43d, New York.
Wright, Hammett D., Westford, Mass.
Wright, Harry S., mill & facty. supplies, 14 Elk, Buffalo, N. Y.
Wright, J. K., machst., 390 Smith, Brooklyn, N. Y.
Wright, J. K., Printing Ink Co., 1726 N. Palethorp, Philadelphia, Pa.
Wright, K. L., Brass Fdry., 1351 W. 67th, Cleveland, O.
Wright-Kitchen Lbr. Co., Ashland, Ky.
Wright, L. V., contractors, Lancaster, Pa.
Wright, L. L., Waterproofing & Constr. Co., Inc., sanitary flooring, 735 65th, Brooklyn, N. Y.
Wright Little Watchman, Inc., Greensboro, N. C.
Wright Lumber Co., Inc., 148 W. 38th St., New York
Wright Lumber Co., Lufkin, Tex.
Wright, Luther M., carriages, So. Norwalk, Conn.
Wright, M. G., & Co., mill & facty. supp., Lowell, Mass.
Wright, M., & Son, see Cooley Wright Mfg. Co. (successors).
Wright Machine Co., Owensboro, Ky.
Wright Mach. Works, Lysander, Jr., 227 High St., Newark, N. J.
Wright Mfg. Co., engine pistons, 11 2d, Minneapolis, Minn.
Wright Manufacturing Co., Lisbon, O.
Wright Mfg. Co., Inc., (Art Metal), 127-135 Master St. Philadelphia, Pa.
Wright Mfg. Co., (Sheet Metal Pipe) 99-107 Water St., New Haven, Conn.
Wright Metal Mfg. Co., Anderson, Ind.
Wright, O. H., canned goods, Vinton, Va.
Wright, Percy E., Engng. Co., L. C. Smith bldg., Seattle, Wash.
Wright, Preston S., & Co., contrs., 3981 W. 6th, Los Angeles, Calif.
Wright Roller Bearing Co., 20th & Indiana Sts., Philadelphia, Pa.
Wright Steel & Wire Co., G. F., 243 Stafford St. Worcester, Mass.
Wright, Stillman & Co., flour, Berlin, Wis.
Wright, T. B., & Son, lumber, McLeansboro, Ill.
Wright Traffic Signal Co., 844 W. 6th St., Cincinnati, Ohio.
Wright, U. G., motor boats, Paulsboro, N. J.
Wright, W. J., & Son, canned goods, Choptank, Md.
Wright-Whittier Co., canned goods, Ogden, Utah.
Wright Wire Company, Worcester, Mass., (now Wickwire Spencer Steel Corp.)
Wrightman, D. M., & Son, machsts. & fndrs., McMinnville, Tenn.
Wrightson, C. T., canned goods, Easton, Md.
Wrightsville Hardware Co., Wrightsville, Pa.
Wrigley Co., Thos., 504 Sherman St., Chicago.
Wrigley Co., whol. hdwe., Mahaffey, Pa.
Wrigley, Wm., & Co., machsts., Lowell, Mass.
Wrinkle & Miller Foundry & Machine Co., Dalton, Ga.
Wrinkle Paint Mfg. Co., 272-278 Kimball Ave., Columbus, O.
Wrisley & Co., Allen B., 923 S. Wells St., Chicago.
Writerpress Lettergraph Co., duplicating app., Shelton, Conn.

WROBBEL-MAINE CO., THE, (Ornamental Iron Work, Hardware Specialties, Etc.), 3106 E. 63rd St., Cleveland, O.

Wroe, John, contractor, 54 Davis, Dayton, Ohio.
Wroe, W. E., & Co., bond paper, 3630 Iron, Chicago, Ill.
Wrought Iron & Art Glass Fixture Co., 195 Canal, New York.
Wrought Iron Range Co., 5661 Nat'l Bdge., St. Louis, Mo.
Wrought Washer Mfg. Co., 46-54 South Bay St., Milwaukee, Wis.
Wuellner, J. J., & Son, contractors, Alton, Ill.
Wuertz, O. W., Co., pianos, 1518 3d av., New York.
Wuest, Adam, mattresses, 2641 Dennis, Cincinnati, O.
Wuichet & Co., Chas., S. Canal St., Dayton, O.
Wuichet Fertilizer Co., Dayton, Ohio.
Wulbern Fertz. Co., Charleston, S. C.
Wulff, Chas. A., 550 Trinity, New York.
Wunder, J., & Co., signs, 549 Federal, Chicago, Ill.
Wunder, W. L., willow ware mfrs., 529 Penn., Reading, Pa.
Wunderlich, George H., lumber, Elmhurst, Wis.
Wurdack Electric Mfg. Co., Wm., 21 S. 11th St., St Louis, Mo.
Wurdeman, Chas., architect, Columbus, Neb.
Wurlitzer Co., Rudolph, 329 S. Wabash Ave., Chicago
Wurlitzer, Rudolph Co., 120 W. 42d, New York.
Wurlitzer, Rudolph Co., musical instruments, 117 E. 4th, Cincinnati, Ohio.
Wurlitzer, Rudolph, Mfg. Co., pianos, North Tonawanda, N. Y.
Wurst, C. H., Co., cornices, Quincy, Ill.
Wurster & Co., F. W., 375 Kent Ave., Brooklyn, N. Y
Wurster Constr. Co., contractors, San Diego, Calif.
Wurster Const. Co., Wholesale Term., Los Angeles, Calif.
Wurster, E. M., carriages, Ann Harbor, Mich.
Wurtz, L. J., sash, door & blind, Boston, N. Y.
Wusterbarth Bros., machsts. & fndrs., Meriden, Conn.
Wyandot Burial Vault Co., Upper Sandusky, O.
Wyandotte Awning & Tent Co., 6th & Nebraska, Kansas City, Kans.
Wyandotte Portland Cement Co., 1325 Ford Bldg., Detroit, Mich.
Wyandotte Portland Cement Co., Wyandotte, Mich.
Wyanoak Art Co., 136 W. 52nd St., New York.
Wyatt, F., Mfg. Co., agricultural implts., Salina, Kans.
Wyatt, Job P., & Sons Co., machy. dlrs., Raleigh, N. C.
Wyatt Lumber Co., Ltd., Ruston, La.
Wyatt Metal & Boiler Works, Dallas, Tex.
Wyckoff & Lloyd Co., 35 Worthington St., Springfield Mass.
Wyckoff & Son Co., A., Elmira, N. Y.
Wyckoff Bros., machsts. Highstown, N. J.
Wyckoff, J. C., & Son, cornices, Raritan, N. J.

WYCKOFF PIPE & CREOSOTING CO., INC., THE, 522 Fifth Ave., New York.
V. P., Sec. & Gen. Mgr.—A. E. Mitchell.
Creosoting Works and Factory—Portsmouth, Va.

Wycoff Drawn Steel Co., Frick Bldg., Pittsburgh, Pa.
Wye, Geo. E., Co., bathing suits, Needham, Mass.
Wye, Wm. H., & Co., bathing suits, Needham, Mass.
Wyeth & Bros., John, 11th & Washington Sts., Philadelphia, Pa.
Wyeth Hardware & Mfg. Co., St. Joseph, Mo.
Wyker, Fred, Co., willow ware mfrs., Liverpool, N. Y.
Wyle, J. & Bros., Inc., cut-glass chandelier mfrs., 20 E. 27th, New York.
Wylie & Wilson, Inc., Saginaw, Mich.
Wylie, A. P., Mfg. Co., wood handles, Lawrenceburg, Tenn.
Wylie, H. B., China Co., domestic, 11th av. & 16th, Huntington, W. Va.
Wyllie-Saylor Granite Co., 627 Central av., Newark, N. J.
Wyman-Allen Lbr. Co., Boston, Mass.
Wyman Canning Co., Milbridge, Me.
Wyman Chemical Co., acetate of lime, wood alcohol, etc., Port Allegany, Pa.
Wyman-Gordon Co., 105 Madison St., Worcester, Mass
Wyman, J., & Son, canned goods, Millbridge, Me.
Wyman, W. A., & Son, common brick, Scottsburg, Ind.
Wynantskill, M., Mfg. Co., bags & bagging, Troy, N. Y.
Wyne, Geo. E., contractor, 18th & Newton, Washington, D. C.
Wynkoop Bros., see McDonald & Wynkoop (successors).
Wynkoop, Hallenbeck, Crawford Co., 80 Lafayette St., New York.
Wynn & Starr Co., Trafford, Pa.
Wynne Stave Co., Wynne, Ark.
Wynne Paper Co., The, 318-326 W. 39th St., New York
Wyoming Canning & Preserving Co., Wyoming, N. Y.
Wyoming Chemical Company, Wilkes- Barre, Pa.
Wyoming Painting & Paint Mfg. Co., Wyoming, Pa.
Wyoming Roofing Products Co., Wyoming, Pa.
Wyoming Shovel Works, The, Wyoming, Pa.
Wyoming Timber Co., Hanna, Wyo.
Wyoming Valley Brick Co., Wilkes Barre, Pa.
Wyoming Valley Lbr. Co., Pittston, Pa.
Wyoming Valley Supply & Mfg. Co., plumbers' supplies —jobbers, Wilkes Barre, Pa.
Wyoming Yarn Co., Wyoming, R. I.
Wysbrod, E. V., & Co., oil & gas well supplies, Findlay, Ohio.
Wysong & Miles Co., Greensboro, N. C.
Wyss Mfg. Co., essential oils, 3640 20th, San Francisco, Calif.
Wytheville Mfg. Co., sash, door & blind, Wytheville, Va.
"X" Laboratories, (Boiler Liquid), 25 W. 45th St., New York.
X. L. Refrigerating Co., machy., 1834 W. 59th, Chicago, Ill.
Xardell Bros. Co., auto mufflers, Utica, N. Y.
X-Cel Constr. Co., 746 E. McMillan, Cincinnati, Ohio.
Xenia Rubber Mfg. Co., solid tires, Xenia, Ohio.
Yager & Halstead, canned goods, Cortlandt, N. Y.
Yager Sheet Metal Co., fire doors, cornices, etc., 3501 Chestnut, Oakland, Calif.
Yahr & Lange Drug Co., plate glass, 207 E. Water, Milwaukee, Wis.
Yakima Hdwe. Co., Yakima, Wash.
Yakima Iron Works, machsts. & fndrs., North Yakima, Wash.
Yakima Meat Co., packers, North Yakima, Wash.
Yakima Valley Htg. & Plumbing Co., North Yakima, Wash.
Yale & Reagan, contractors, 9 S. Clinton st., Chicago, Ill.
Yale & Towne Mfg. Co., The, Stamford, Conn.
Yale Battery Co., Indianapolis, Ind.
Yale, C. L., Mfg. Co., dyestuffs, etc., Yalesville, Conn.
Yale Canning Co., Yale, Mich.
Yale Electric Co., 512 E. 165th, Brooklyn, N. Y.
Yale Knitting Co., sweaters, Malden, Mass.
Yale Knitting Mills, sweaters, cardigans, etc., 200 5th av., New York.
Yale Light Co., lamps, 217 N. Desplaines, Chicago, Ill.
Yale Machy. Co., Yale, Mich.
Yale Mfg. Co., refrigerating machine, 229 Minna, San Francisco, Calif.
Yale Novelty Co., manicure, military & toilet sets, Leominster, Mass.
Yale Piston Ring Co., Inc., Boonton, N. J.
Yale Tire & Rubber Co., Hamden, Conn.
Yale University (Sheffield Scientific), engng. schools & coll., New Haven, Conn.
Yamade Company, White Plains, N. Y.
Yandle, W. J., machsts., brass & composition fdry., Santa Rosa, Calif.
Yankee Battery Mfg. Co., San Diego, Cal.
Yankee Cleaner Co., 2224 Belmont Ave., Chicago.
Yankee Hill Brick Mfg. Co., Lincoln, Neb.
Yankee Mfg. Co., toys, Cleveland, Ohio.
Yankee Motor Bodies Co., 1221 E. 9th, Los Angeles, Calif.
Yankee Polish Co., shoe blacking & polishes, 64 Cortlandt, New York.
Yankton Roofing Co., cornices & skylights, Yankton, S. D.
Yantic Woolen Co., flannels, Yantic, Conn.
Yarborough & Bellinger Co., scrap iron & steel, 300 S. Graham, Charlotte, N. C.
Yarbough, D. W., Atlanta, Ga.
Yard & Hichborn, contractors, 215 W. 6th, Los Angeles, Calif.
Yardley Mills Co., flour, Yardley, Pa.
Yarn Utilities Corp., 415 W. Broadway, New York.
Yarnall Paint Co., 1026 Race St., Philadelphia, Pa.

YARNALL-WARING CO., 102 E. Mermaid Ave., Chestnut Hill, Philadelphia, Pa.
Pres.—B. G. Waring.
Sec. & Treas.—D. R. Yarnall.
Atlanta, Ga.—1019 Atlanta Trust Co. Bldg., D. T. Newman.
Baltimore, Md.—108 E. Lombard St., Aumen Machinery Co.
Boston, Mas.—174 Congress St., Chas. A. G. Winther Co.
Chicago—58 W. Washington St., H. J. Moyer.
Cleveland, O.—30 Euclid Arcade.
Dallas, Tex.—Deere Bldg., Geo. B. Allan & Co.
Denver, Colo.—Railroad Bldg., Advance Machinery & Supply Co.
Detroit, Mich.—Penobscot Bldg., Builders & Traders Exchange.
Kansas City, Mo.—Power Plant Equip. Co.
New Orleans, La.—Association of Commerce Bldg., Buckmaster-Luck-Malochee, Inc.
New York—90 West St.
Pittsburgh, Pa.—Bessemer Bldg.

Yarnell, D. B. & C. R., brick, Napoleon, Ohio.
Yates & Co., J. A., Birmingham, Ala.
Yates & Co., paint, 762 Folsom, San Francisco, Calif.
Yates & Donelson Co., flour mills, Memphis, Tenn.
Yates, Alfred, continuous & drying kilns, Shawmut, Pa.
Yates County Canning Co., Penn Yan, N. Y.
Yates Drug & Chemical Co., 155 Leonard St., New York.
Yates, G. H., granite, Biddleford, Me.
Yates, J. W., hdwe. spec., 49½ 8th av., New York.
Yates Lumber Co., grape baskets, Penn Yan, N. Y.
Yates Machine Co., P. B., Beloit, Wis.
Yates, P. B., Machine Co., wood working machy., Beloit, Wis.
Yatman Rubber Co., 267-9 Mt. Pleasant, Newark, N. J.
Yawger & Co., Inc., A. J., 450 N. Belmont Ave. Indianapolis, Ind.
Yawkey Lumber Co., Wausau, Wis.
Yawkey-Bissell Lumber Co., Inc., White Lake, Wis.
Yawman & Erbe Mfg. Co., 424 St. Paul St., Rochester, N. Y.
Yaxley Mfg. Co., 1103 W. Monroe St., Chicago.
Yazoo Hardware Co., Yazoo City, Miss.
Yeager Furn. Co., Dept. H, 22 N. 7th, Allentown, Pa.
Yeager Lumber Co., Inc., 932 Elk St., Buffalo, N. Y.
Yeager, M., & Son, contractors, Danville, Ill.
Yeager, S., oil well supplies, Petrolia, Pa.
Yeager, Wm. B., cornices, Reading, Pa.
Yearsley, Thos., Co., machy. dlrs., 119 N. 3d, Philadelphia, Pa.
Yeldarb Mfg. Co., Ltd., Toronto, Ont., Can.
Yeldham, Herman J., Co., cornices, 1126 Van Buren, Chicago, Ill.
Yellow Cab Mfg. Co., 5801 Dickinson, Chicago, Ill.

YELLOW PINE CO. OF PHILADELPHIA, 15th & Chestnut Sts., Philadelphia, Pa.
Pres. & Gen. Mgr.—Chas. M. Chesnut.
V. P.—Thos. L. Latta.
Sec. & Treas.—Frank C. Robb.
Asst. Sec. & Treas.—R. Newton Forman.

Yellow Pine Lumber Co., Charleston, W. Va., & Jackson, Miss.
Yellow Pine Paper Mill Co., Orange, Tex.
Yellow Poplar Lumber Co., Coal Grove, O.
Yellow Springs Canning Co., Yellow Springs, Ohio.
Yenger, B., stone producers, Elmira, N. Y.
Yennie, Wm. J., & Co., contractors, 350 Madison av., New York.
Yeoman Lumber Co., Pe Ell, Wash.
Yeomans & Shedd Hardware Co., Danville, Ill.

YEOMANS BROTHERS CO., 1436 Dayton St., Chicago.
Atlanta, Ga.—Red Rock Bldg., Burford, Hall & Smith.
Baltimore, Md.—McComas & Race Sts., Morton McI. Dukehart & Co.
Birmingham, Ala.—Brown Marx Bldg., E. N. Cunningham.
Boston, Mass.—131 State St., Power Equipment Co.
Canada, Toronto, Winnipeg & Montreal—Darling Brothards, Vancouver, B. C.—1142 Homer St., Frank Darling Co.
Charlotte, N. C.—Commercial Bank Bldg., J. R. Purser.
Cincinnati, O.—Provident Bank Bldg., O. J. Alionier.
Cleveland, O.—Kirby Bldg., Cleveland Pump & Supply Co.
Dallas, Tex.—Southwestern Life Ins. Bldg., J. H. Van Zandt.
Davenport, Ia.—Security Bldg., D. C. Murphy.
Dayton, O.—Reibold Building, Chas. M. Keise Co.
Denver, Colo.—1425 16th St., J. J. Daly.
Detroit, Mich.—Penobscot Bldg., Power Plant Supply Co.
El Paso, Tex.—226 Mesa Ave., Geo. W. Herin.
Honolulu, T. H.—Honolulu Iron Works.
Indianapolis, Ind.—Hume-Mansur Bldg., Weinshank & Fenstermaker.
Kansas City, Mo.—2720 McGee St., W. O. Widener.
Little Rock, Ark.—Gazette Bldg., Fallon & Schnelle.
Los Angeles, Cal.—Marsh-Strong Bldg., F. C. Millard Co.
Milwaukee, Wis.—209 Grand Ave., Chas. W. Miller.
Minneapolis, Minn.—Plymouth Bldg., Healy-Ruff Company.
New Orleans, La.—Canal Bank Bldg., H. J. Powers.
New York City—51 E. 42nd St., E. A. Julie.
Omaha, Neb.—1620 St. Mary's Ave., D. C. McCulley Co.

(Continued on following page)

YEOMANS BROTHERS CO.—Continued.
Philadelphia, Pa.—621 Commercial Trust Bldg., Chas. C. Enderle.
Pittsburgh, Pa.—309 Second Ave., Bushnell Mchy. Co.
Portland, Ore.—222 Pine St., Gordon & Finkbeiner.
Rochester, N. Y.—Mercantile Bldg., Joe. F. Brightman.
St. Louis, Mo.—723 Wainwright Bldg., McAnulty-Klein Co.
Salt Lake City, Utah—Dooly Bldg., Hawley-Richardson-Williams Co.
San Francisco, Cal.—Sharon Bldg., C. H. Cobb.
South America, Buenos Aires, Argentine Rep.—Buxton Guilayn & Co.
Toledo, O.—752 Euclid Ave., A. Carle Rogers.
Utica, N. Y.—City Natl. Bank Bldg., Chas. M. Kelso Co.

YERDON, WILLIAM, Fort Plain, N. Y.
Mgr.—J. E. Barker.
Supt.—L. B. Yerdon.

Yerks & Co., sash, door & blind mfrs., Yonkers, N. Y.
Yingling Bros. & Co., handles, Monroeville, Ohio.
Yingling, C. E., cornices & skylights, Lexington, Mo.
Yingling, Jos. P., canned goods, Pleasant Valley, Md.
Yingling-Martin Brick Co., Pittsburgh, Pa.
Yoakum Cotton Oil Co., meal, Yoakum, Tex.
Yockel Bros., htg. contrs., 962 Washington av., New York.
Yockel, Chas., & Sons, machsts., 1220 N. Lawrence, Philadelphia, Pa.
Yocom & Son, James, 145 N. 2nd St., Philadelphia, Pa.
Yocona Cotton Mills, Inc., Water Valley, Miss.

YODER COMPANY, THE, 5500 Walworth Ave., Cleveland, O.
Pres.—C. M. Yoder.
V. P.—M. H. Yoder.
Sec. & Treas.—H. O. Yoder.
Mgr. of Sales—W. O. Sheldon.
Philadelphia, Pa.—Widener Bldg.,Swind Machy. Co.

Yoder, Ellis Y., flour mills, Pikesville, Pa.
Yoder, Thos., Mfg. Co., temperature regulators, valves, 5510 Walworth, Cleveland, Ohio.
Yohe Supply Co., Wm. S., 503-5 Mahoning Rd., N. E., Canton, O.
Yolande Coal & Coke Co., B-M Bldg., Birmingham, Ala.
Yolland Ice & Fuel Co., masons' materials, El Dorado & Channel, Stockton, Calif.
Yonkers Builders' Supply Co., Yonkers, N. Y.
Yonkers Plumbing Supply Co., Yonkers, N. Y.
York & Sons, J. W., 1600 Division St., S. E., Grand Rapids, Mich.
York Alfalfa Mills, meal, York, Neb.
York-Allen Ice Machine Co., Omaha, Neb.
York Automatic Dumb Waiter Wks., York, Pa.
York Brick & Tile Co., York, Neb.
York Bridge & Constr. Co., York, Pa.
York Bros., contractors, Cape May City, N. J.
York Button Works, B. & Allegheny, Philadelphia, Pa.
York, C. J., machinist, Downieville, Calif.
York Card & Paper Co., York, Pa.
York Carriage Co., automobile bodies mfrs., York, Pa.
York Castings Co., York, Pa.
York Cut Stone Co., stone producers, York, Pa.
York Chemical Works, Inc., York, Pa.
York Construction & Supply Co., 510 Terry Ave., Seattle, Wash.
York Corrugating Co., 13 S. Georgia St., York, Pa
York Electric & Machine Co., York, Pa.
York Engng. Co., heating contractors, York, Pa.
York Ferro Alloys Co., chromium, York, Pa.
York Foundry & Engine Works, York, Neb.
York Foundry & Machine Co., York, Pa.
York Harbor Brick Co., York Village, Me.
York Hdwe. & Brass Wks., Inc., castings & tuyeres, York, Pa.
York Haven Paper Co., Philadelphia, Pa. (Now Continental Paper & Bag Mills, New York.)
York Heating & Ventilating Corp., mill, Bridgeport, Pa.
York Hill Trap Rock Quarry Co., Meriden, Conn.
York Insulated Wire Works of G. E. Co., York, Pa.
York Ins. Works of G. E. Co., 1733 Broadway, New York.
York Knitting Mills Co., York, Pa.
York Lumber & Mfg. Co., 823 S. Bellevue Ave., Memphis, Tenn.

YORK MANUFACTURING CO., York, Pa.
Pres.—W. L. Glatfelter.
V. P. & Gen. Mgr.—Thomas Shipley.
Sec. & Treas.—B. H. Loucks.
Gen. Sales Mgr.—R. J. Hilliker.
Pur. Agt.—E. W. Gardner.
Atlanta, Ga.—Houston & Jackson Sts., Southern Construction & Supply Co.
Boston, Mass.—68 Friend St., Bay State Construction & Supply Co.
Brooklyn, N. Y.—42nd St. & 2nd Ave., Shipley Construction & Supply Co.
Chicago—1113-23 Cornelia Ave., Westerlin & Campbell Co.
Cleveland, O.—2700 Washington Ave., N. W., The York-Ohio Ice Machine Co.
Denver, Colo.—2121-31 Market St., The York Mid-West Ice Machine Co.
Houston, Tex.—2201-11 Texas Ave., York Engineering & Supply Co.
Los Angeles, Cal.—5051 Santa Fe Ave., York-California Construction Co.
Omaha, Neb.—1213-17 Jackson St., York-Allan Ice Machine Co.
Philadelphia, Pa.—2222-24 Arch St., Central Construction & Supply Co.
Pittsburgh, Pa.—S. 24th & Carson Sts., S. S. Greenwood Construction & Supply Co.
St. Louis, Mo.—117-121 South 11th St., Pilsbry-Becker Engineering & Supply Co.
San Francisco, Cal.—832-838 Folsom St., York-California Construction Co.
Seattle, Wash.—506 Terry Ave., North, York Construction & Supply Co.
Toronto, Ont.—Villiers & Munition Sts., Canadian Ice Machine Co.

York Metal & Alloys Co., 56 Pine St., New York.
York Milk Machinery Co., bottle washers, York, Pa.
York Paper Mfg. Co., York, Pa.
York Pattern Works, York, Pa.
York River Ship Bldg. Co., West Point, Va.
York Safe & Lock Co., York, Pa.
York Saw Wks., York, Pa.
York Screw Wks., Dept. H, York, Pa.
York Shale Press Brick Co., York, Pa.
York Tack & Nail Works, York, Pa.
York Valley Lime Co., York, Pa.
York Wagon Gear Co., automobile & wagon bodies, York, Pa.
York Wall Paper Co., The, York, Pa.
York Woven Wire Mattress Co., York, Pa.
Yorke Derrick Co., Washington, Pa.

YORKS FOUNDRY & MACHINE SHOP, Henry E. Yorks Son, Honeoye Falls, N. Y.

Yorks, Henry, land rollers, Honeoye Falls, N. Y.
Yorktown Cotton Oil & Mfg. Co., meal, Yorktown, Tex.
Yorkville Mfg. Co., Inc., 31-35 Broadway, Brooklyn, N. Y.
Yorkville Scrap Rubber & Metal Co., 334 E. 31st, New York.
Yorkville Iron Wks., 433 E. 74th, New York.
Yosemite Flour Mills, San Francisco, Calif.
Yosemite Lbr. Co., Merced Falls, Calif.
Yosemite Oil Refining Co., petroleum, Cheney & Harriet, Los Angeles, Calif.
Yost, Arthur C., Caxton bldg., Cleveland, Ohio.
Yost, A. M. (Est. of), lumber, Edmonds, Wash.
Yost Bros., machsts. & fndrs., Creighton, Pa.
Yost Electric Mfg. Co., 1805 Hawthorne St., Toledo, O.
Yost Furnace Co., 237 2d S. W., Canton, Ohio.

YOST MANUFACTURING CO., (mfrs. of vises and anvils), Meadville, Pa.

Yost Writing Mach. Co., typewriters, 321 Broadway, New York.
Youghiogheny & Ohio Coal Co., bituminous, Leader bldg., Cleveland, Ohio.
Youman, E. E., buckwheat flour, Ravena, N. Y.
Youmans Bros., turpentine, Lexsy, Ga.
Youmans, Simpson Lbr. Co., Stevenson, Wash.
Young & Buescher Construction Co., Burlington, Ia.
Young & Co., contractors, 5 N. La Salle, Chicago, Ill.
Young & Co., Arthur, 105 S. La Salle St., Chicago.
Young & Co., W. D., Bay City, Mich.
Young & Donovan, htg. contrs., North Yakima, Wash.
Young & Hughes, Raleigh, N. C.
Young & Humphrey, contractors, Louisville, Ky.
Young & Metzner, second hand bags, 355 Vernon av., Long Island City, N. Y.
Young & Russell, elec. portables, 410 E. Mchnc., Phila., Pa.
Young & Sampson, shoe counters, Lynn, Mass.
Young & Sons, 48 N. 7th St., Philadelphia, Pa.
Young & Van Supply Co., 1731 1st av., Birmingham, Ala.
Young, A. B., Co., slate for electr'l purposes, Fair Haven, Vt.
Young, A. F. R., archl. iron, 51 Purchase, Boston, Mass.
Young, A. L., Machinery Co., mill & facty. supps., 28 Fremont, San Francisco, Calif.
Young, Benj. P., naval architect, 2 Stone, New York.
Young, Benjamin R., Hdwe. Co., whol. hdwe., Alpena, Mich.
Young, Blair B., lumber, Hollidaysburg, Pa.
Young Boiler Compound Co., Catasauqua, Pa.
Young Brothers, 722 Eddy St., Providence, R. I.
Young Bros. Decorative Co., plate glass, Wichita, Kan.
Young Bros. Co., painters' trestles, fire & extension ladders, 2 Brooks, Worcester, Mass.
Young Bros. Co., 6500 Mack St., Detroit, Mich.
Young Bros. Co., granite, Barre, Vt.
Young, C. C., Jersey Shore, Pa.
Young, C. H., Co., stone, 653 Rice, St. Paul, Minn.
Young, C. W., & Co., scap, 1247 N. 26th, Philadelphia, Pa.
Young, Carlos G., fish landing nets, 320 Market, San Francisco, Calif.
Young, Chas. A., textile machy. supplies, etc., Easton, N. H.
Young, Chas. W., cornicrs, Elmira, N. Y.
Young Co., Frank L., 111 Purchase St., Boston, Mass
Young Co., Jos. H., 82 High St., Boston, Mass.
Young Co., Richard, 36 Spruce St., New York.
Young, Daniel, & Co., contractors, Attleboro, Mass.
Young, E. D., brick, Greensburg, Ohio.
Young, E. L., Heading Co., Aberdeen, Miss.
Young, E. R., & Sons, see Titusville Machine & Foundry Co. (successor).
Young, F. B., & Son, contractors, Bk. Com. bldg., Memphis, Tenn.
Young-Fischer Inclinometer Co., 156-8 Clinton St., Milwaukee, Wis.
Young, Frank, sashes, doors & blinds, Hackensack, N. J.
Young, Geo. & Co., baseball mfrs., 715 S. Western av., Chicago, Ill.
Young, Geo. Jr., architect, College of Arch., Ithaca, N. Y.
Young-Greene Lbr. Co., Goshen, Ind.
Young, H. P., mining supply dealer, 20 W. Jackson blvd., Chicago, Ill.
Young Ice Machine Mfg. Co., E. 11th & Minneapolis, Tacoma, Wash.
Young Iron Wks., buckets, hoists & logging blocks, 2951 1st av. S., Seattle, Wash.
Young, J. A., St. Paul, Minn.
Young, J. H., Lbr. Co., Warren, Pa.
Young, J. J., cornices, Binghamton, N. Y.
Young, J. M., & Sons, furniture, Dept. H, Camden, N. J.
Young, J. R., Fertilizer Co., Norfolk, Va.
Young, J. T., Watervliet, N. Y.
Young, John, machst. & fndr., Chillicothe, Ohio.
Young, John B., textile machy. & supplies, J. & Levick, Philadelphia, Pa.
Young, Jno. S., & Co., extracts, Hanover, Pa.
Young, John T., Boiler Co., machsts. & fndrs., Norwich, Conn.
Young, Klotsch & Appel, Inc., plbrs.' supplies, 624 N. Calvert, Baltimore, Md.
Young Lumber Corporation, 149 Tremont St., Boston, Mass.
Young Lbr. Co., Bedna, Greensburg, Ind.
Young, M. S., & Co., mill & facty. supplies,—whol. hdwe., Allentown, Pa.
Young-McDonald Co., contrs., 330 Worcester bldg., Portland, Ore.

YOUNG MFG. CO., R .W., 111 W. Monroe St., Chicago.
Pres.—R. W. Young.

Young Mfg. Co., strainers, Bellevue, Ia.
Young, Milton W., contractors, 2037 N. 63rd, Phila., Pa.
Young, Orlando W., lubrg. oils & metal polish, 33 Ross av., Newark, N. J.

YOUNG PUMP COMPANY, 230 E. Ohio st., Chicago.
Factory—Michigan City, Ind.
Sales Agencies:
ALA.—Birmingham—C. P. Lichty, 1631-33 2nd av.
CAL.—Los Angeles—A. R. Draves, 220 Union Oil Bldg., 617 W. 7th st.
COLO.—Denver—L. A. Michael, 512-514 Bank Block, 17th & Arapahoe.
IND.—Indianapolis—Hoover Bros., 505 Lombard Bldg.
KY.—Louisville—W. Hoeing, 1417 Starks Bldg.
LA.—New Orleans—F. H. Chisholm, 819 Julia st.
MICH.—Detroit—Coon-De Visser Co., 1772 W. Lafayette Blvd.
MINN.—Duluth—C. C. Ferguson, 323 Lycium Bldg.
Minneapolis—Uhl Co., 132 S. 10th st.
MO.—Kansas City—Southwest Pump & Machy. Co., 2716 McGee Trafficway.
St. Louis—International Engineering & Sup. Co., 1308 Olive st.
N. Y.—Buffalo—J. H. Roseberry, 511 Mutual Life Bldg.
Rochester—Joseph F. Brightman, 629 Mercantile Bldg.
O.—Cleveland—R. E. Bronson Co., 1830 St. Clair av.
Toledo—O. H. Hartman, 271 Spitzer Bldg.
PA.—Harrisburg—J. Warner Pyles, 19 N. Third st.
Kingston—Donald B. Macdonald, 101 S. Walnut st.
Pittsburgh—H. W. Reininger, Park Bldg.
R. I.—Providence—Harry F. Coleman, 152 Taver av.
TENN.—Memphis—C. Fuson, 1812 Exchange Bldg.
TEX.—Dallas—John A. Van Zandt, Southwestern Life Ins. Bldg.
WIS.—LaCrosse—H. MacD. Davidson, 302 Main st.
WYO.—Cheyenne—A. S. Meyring, 600-606 Citizens Bank Bldg., P. O. Box 477.

Young, R. Bros., Lumber Co., White Plains, N. Y.
Young, R. & Sons, stone, 25 Grafton av., Newark, N. J.
Young, R. S., Supply Co., machsts. & fndrs., Oakland, Calif.
Young Spec. Co., hdwe. mfrs., 2220 Vliet, Milwaukee, Wis.
Young Supply Co., W. B., 208 Delaware, Kansas City, Mo.
Young Typewriter Co., Inc., 169 N. Dearborn St., Chicago.
Young, W. A., & Sons, machsts., Rices Landing, Pa.
Young, W. J., Machy. Co., 418 Union, Lynn, Mass.
Young, Wm., mill & facty. supplies, 129 Av. D., New York.
Young, Wm. A., carriages, Foxboro, Mass.
Young, Wm. H., Jr., stone prod., Troy, N. Y.
Young's Sons & Co., granite, Milford, N. H.
Younger & Farmer Co., contractors, 1670 Crawford rd., Cleveland, Ohio.
Youngman, J. F., flour mills, Selingsgrove, Pa.
Youngs & Bro. Wm. P., (Lbr.), 735 E. 9th St., New York.
Youngs, Geo. S., brass & bronze ingots, 2A Haddon, Bridgeport, Conn.
Youngstown Boiler & Tank Co., The, 1054 Mahoning Ave., Youngstown, O.
Youngstown Carriage Co., Youngstown, Ohio.
Youngstown Chemical Co., Youngstown, Ohio.
Youngstown Constr. Co., Youngstown, Ohio.
Youngstown Electric Alloy Steel Co., Youngstown, O.
Youngstown Engineering Co., Youngstown, Ohio.
Youngstown Fertilizer Co., Youngstown, Ohio.
Youngstown Foundry & Machine Co., Youngstown, O
Youngstown Furnace Co., Youngstown, O
Youngstown Glass & Paint Co., Youngstown, O.
Youngstown Iron & Steel Co., see Sharon Hoop Co. (successor).
Youngstown Mfg. Co., nut mfrs., Youngstown, Ohio.
Youngstown Mattress Co., Youngstown, Ohio.
Youngstown Pattern Works, Warren, Ohio.

YOUNGSTOWN PRESSED STEEL CO., THE, Warren, O.
Pres.—W. W. Galbreath.
Sec. & Treas.—A. J. Watsen.
Sales Mgrs.—C. A. Morrow, Pressed Steel Division, C. W. Dickinson, Fireproofing Division.
Chicago—1644 Straus Bldg.
Detroit, Mich.—901 Dime Bank.
New York—50 E. 42nd St.
Philadelphia, Pa.—Crozer Bldg.

YOUNGSTOWN SHEET & TUBE CO., THE, Stambaugh Bldg., Youngstown, O.
Pres.—J. A. Campbell.
Gen. Mgr. Sales—W. E. Watson.
Treas.—W. J. Morris.
Pur. Agt.—C. T. Moke.
Atlanta, Ga.—Healey Bldg., W. W. Brown.
Boston, Mass.—Massachusetts Trust Bldg., A. Purnell.
Chicago—Conway Bldg., B. T. Bechtel.
Cincinnati, O.—Union Tr. Bldg., E. S. Rooney.
Cleveland, O.—Union Trust Bldg., G. G. Stuart.
Dallas, Tex.—Magnolia Bldg., C. E. Hutchinson.
Denver, Col.—First Natl. Bk. Bldg., F. S. Rutherford.
Detroit, Mich.—First Nat'l Bk. Bldg., G. W Bostwick.
Kansas City, Mo.—Commerce Bldg., W. E. Koons.
Minneapolis, Minn.—Andrus Bldg., P. M. Vilas.
New Orleans, La.—Audubon Bldg., W. H. Bruce.
New York—Hudson Terminal Bldg., W. B. Blowers.
Philadelphia, Pa.—Franklin Trust Bldg., W. B. Blowers.
Pittsburgh, Pa.—Oliver Bldg., G. W. Christopher.
St. Louis, Mo.—Post-Dispatch Bldg., H. H. Richardson.
San Francisco, Cal.—Sharon Bldg., J. H. Gilhuly.
Seattle, Wash.—Central Bldg., G. F. Thompson.

YOUNGSTOWN STEEL CAR CO., THE, Niles, O.
Pres.—Wm. Wilkoff.
V. P. & Gen. Mgr.—L. A. Lenhart.
Sec. & Treas. L. C. Wilkoff.

Youngstown Welding Co., 531 W. Lincoln Ave., Youngstown, O.
Youngstown Wire & Iron Co., Youngstown, Ohio.
Youngsville Saddlery Co., harness, Youngsville, Pa.
Yount & Jackson Co., contrs., 325 N. Summit, Dayton, Ohio.
Youts Co., C. H., Meadville, Pa.
Yow & McMurray, fertilizer, Lavonia, Ga.
Ypsilanti Garment Shop, athletic goods, Ypsilanti, Mich.
Ypsilanti Hay Press Co., Ypsilanti, Mich.
Ypsilanti Machine Works, Ypsilanti, Mich.
Ypsilanti Reed Furniture Co., Ionia, Mich.

YUBA MFG. CO., 433 California st., San Francisco, Calif.

Yucca Mfg. Co., tree guards & surgeons' splints, 1380 Willow, Los Angeles, Calif.
Yuill Bros., lumber, Vanderbilt, Mich.
Yukon Mill & Grain Co., flour, Yukon, Okla.
Yund, Kennedy & Yund, sweaters, cardigans, etc., Amsterdam, N. Y.
Yunker Bros., bldg. contrs., 1615 37th, Milwaukee, Wis.
Yunker, J. B., & Son, leather, 261 W. Water, Milwaukee, Wis.

Y

Zacharias, Edwin H., mach. & fdr., Reading, Pa.
Zacharias, Jos. H., brick, East Stroudsburg, Pa.
Zacheis, W. B. & J. S., canned goods, Port Penn., Del.
Zacher & Kurrie, contractors, 460 S. 21st, Irvington, N. J.
Zadikow Frame Co., furn., 428H E. 10th, New York.
Zagelmeyer Cast Stone Block Machinery Co., Bay City, Mich.
Zahn & Bowly Co., E. Rutherford St., Rutherford, N. J
Zahn Mfg. Co., brewers' machy. & filters, 79 E. Jewett av., Buffalo, N. Y.
Zahner Mfg. Co., 1213 Walnut St., Kansas City, Mo.
Zahner Metal Sash & Door Co., Canton, O. (Now The Central Metal Products Corp.)
Zahniser Bros. & Steen, Washington, Pa.
Zan Bros., matches, Portland, Ore.
Zan Bros., Inc., brooms & handles, 691 York, Portland, Ore.
Zander, J. C., machst. & fndr., Elma, Wash.
Zanello Bros., contrs., 20th & Flanders, Portland, Ore.
Zanesville Art Pottery Co., Zanesville, O.
Zanesville Coal Co., Zanesville, Ohio.
Zanesville Grain & Building Supply Co., Zanesville, O.
Zanesville Malleable Co., Zanesville, O.
Zanesville Mould Co., Zanesville, Ohio.
Zanesville Stoneware Co., Zanesville, Ohio.
Zangerle & Peterson Co., furn., 2164H Clybourn av., Chicago, Ill.
Zantzinger, Borie & Medary, architects, 112 S. 16th, Phila., Pa.
Zapon Leather Cloth Co., 247 Park av., New York.

ZAREMBA CO., 505 Crosby Bldg., Buffalo, N. Y.
Branch Office:
New York—95-97 Liberty.
Denver, Colo.—236 Coronado Bldg.

Zaring, J. W., Grain & Mill Co., Richmond, Ky.
Zastrow, Geo. W., machst., 1410 Thames, Baltimore, Md.
Zaubitz, August, pyrometers, 95 Cliff, New York.
Zauft, Emil J., bldg. contr., Duluth, Minn.
Zearfoss & Hilliard Lumber Co., Easton, Pa.
Zebulon Gin & Fertilizer Co., Zebulon, Ga.
Zeeland Brick Co., Zeeland, Mich.
Zeh & Hahnemann Co., 190 Vanderpool St., Newark, N. J.
Zehnder Brick Co., Easton, Pa.
Zehner Bros. Packing Co., meat, Toledo, O.
Zehner, Jacob, lumber, Tamaqua, Pa.
Zeidler Concrete Pipe Co., Muscatine, Ia.
Zeidler, Wm. A. Co., dies, special machines, etc., 182 Locust av., New York.
Zeiger, G. W. Co., meat packers, 517 W. Chicago av., Chicago, Ill.
Zeiller & Nagel, 232 Java St., Brooklyn, N. Y.
Zeiser Bros., curb forms, Berwick, Pa.
Zeising & Son, fndrs., Waterloo, Iowa.
Zeitz, Wm., & Sons Co., sashes, doors & blinds, 1247 Marquette rd., N. E., Cleveland, O.
Zeliff, J. E., bowling alley builders, Kearny, N. J.
Zellar Lacquer Mfg. Co., Inc., 342 Madison Ave., New York.
Zeller Bros., lumber, Cannelton, Ind.
Zeller, G. F., & Sons, harness leather, 272 Howard, Buffalo, N. Y.
Zeller, Wm. F., & Co., cornices, 1119 Denver, Baltimore, Md.
Zellerbach Paper Co., 534 Battery, San Francisco, Cal
Zellers & Co., htg. contrs., 2035 K. N. W., Washington, D. C.
Zellner, Thos., roofing slate mfrs., Slatington, Pa.
Zell-Steiger Stamp Co., 136 East Fourth St., Dayton, O.
Zelnicker Crayon Works, 511 Locust st., St. Louis, Mo.

ZELNICKER SUPPLY CO., Walter A., 511 Locust St., St. Louis, Mo.

Zelter, Harry L., trunks, Rochester, N. Y.
Zelzah Carbonator Co., San Fernando Bldg., Los Angeles, Calif.
Zeman Iron Wks. Co., 5651 Broadway, Cleveland, O
Zenite Metal Co., 201 N. West St., Indianapolis, Ind.
Zenith Box & Lumber Co., 43d av., W. & Traverse, Duluth, Minn.
Zenith Carburetor Co., ft of Hart Ave., Detroit, Mich.
Zenith Concrete Gravel Co., Carlton, Minn.
Zenith Dredge Co., Duluth, Minn.
Zenith Furnace Co., West Duluth, Minn.
Zenith Milling Co., flour, 1st & Troast, Kansas City, Mo.
Zenner Products Co. 133 W. Larned St., Detroit, Mich.
Zepp, W., heating contrs., Bound Brook, N. J.
Zerbe Marble & Granite Works, see Gulf Granite Co. (successors).

ZERING MFG. CO., THE H., B. & O. Ry. & Hickory, Oakley, Cincinnati, O.

Zernickow, O., 15 Park Row, New York.

ZERO OIL COMPANY, 101-3-5-7-9 1st St., Parkersburg, W. Va.
Pres. & Mgr.—Samuel B. Stiles.
V. P. & Treas.—M. J. Stiles.
Secy. & Asst. Mgr.—A. W. Batten.

Zero Valve & Brass Mfg. Co., 643 4th st., Buffalo, N. Y.
Zerrenner Bros., common brick, New London, Wis.
Zettel & Rapp, architects, 1206 Mer. Lit. Bldg., Cincinnati, Ohio.
Zeugner-Hoffman Lumber Co., Fort Atkinson, Wis.
Zibell Co., J. A., 273 Water St., New York
Ziccardi & Weiler, landscape architects, 9706 Madison av., Cleveland, Ohio.
Zicha, A. R., Marble Co., 813 Vernon av., Long Island City, N. Y.
Zick, Jos., traveling bags, Rochester, N. Y.
Zickgraf-Jenson Lbs. Co., Jellico, Tenn.
Ziebold, G., Milling Co., flour, Red Bud, Ill.
Zieg, F. B., Mfg. Co., clothes washing machy., Fredericktown, O.
Zieg Mfg. Co., F. B., Fredericktown, O.
Ziegel, Eisman & Co., leather, 91 Frelinghuysen av., Newark, N. J.
Ziegler & Co., meat, Logan & Elder, Cincinnati, Ohio.
Ziegler & Ziegler, brick, Coeymans, N. Y.
Ziegler, A., & Sons Co., elastic webbing, 1257 Columbus av., Boston, Mass.
Ziegler Bedding Co., mattresses, Calumet, Mich.
Ziegler Bros. Co., wholesale hardware, Elgin, Ill.
Ziegler Canning & Preserving Co., Muscatine, Ia.
Ziegler Mfg. Co., screw mach. products, bolts, nuts, forgings, etc., Alexandria, Ind.
Ziegler, Robt., & Sons, machsts., book binders' & printing presses, 208 Vine, St. Louis, Mo.
Ziegler, S., & Co., scrap iron, Morris av. & 144th, New York.
Ziegler, W. F., agricultural implements, Salina, Kans.
Ziegler, W. R., contrs., 125 S. Vermont, Los Angeles, Calif.
Ziegler, Wm. H., 425 S. 5th, Minneapolis, Minn.
Ziegler, Wm. P., & Son, contractors, Hazelton, Pa.
Ziemke Bros., contrs., Sandusky, Ohio.
Zier Boiler & Sheet Iron Co., New Albany, Ind.
Zierdt & Son, contractors, Hazleton, Pa.
Ziermore Regular Co., Johnsonburg, Pa.
Zies & Sons Co., The, Chas., 314 S. Freemont Ave. Baltimore, Md.

ZIG-ZAG SALES CO., 219 W. Grand Ave., Chicago.

Ziliak-Shafer Milling Co., flour, 900 Walnut, Evansville, Ind.
Ziller Advtg. Co., spec., Meridian, Miss.
Zimbal, O., Brick Co., Sheboygan, Wis.
Zimmer & Harman, carriages, Columbiana, Ohio.
Zimmer Belting Co., 70 Fulton St., New York
Zimmer, Conrad, leather mfrs., 37 Spruce, New York.
Zimmer, Geo. W., spring beds, 2943 Lincoln av., Chicago, Ill.
Zimmer, John E., contractor, Pekin, Ill.
Zimmer Mfg. Co., printers' brass rules & supplies, 59H Beekman, New York.
Zimmerlein, N., machst. & fndr., Van Orin, Ill.
Zimmerly Brothers Co., meat packers, Manchester rd., Akron, O.
Zimmerman & Son, Inc., Jacob A. (General Contractors & Mason Builders), 18 E. 41st St., New York.
Zimmerman & Weber, jewelry cases, 260 W. 41st, New York.
Zimmerman Boiler & Tank Wks., Dayton, O.
Zimmerman Bros., canned goods, Bedford, Va.
Zimmerman Bros., sashes, doors & blinds, Marine City, Mich.
Zimmerman, C., Son Co., sweaters, etc., 70 Tuers, Jersey City, N. J.
Zimmerman, Chas. E., stairs bldrs.' supplies, 204 Burnet av., Syracuse, N. Y.
Zimmerman Coal Co., Tribune Bldg., Terre Haute, Ind.
Zimmerman Co., Inc., G. F. S., Frederick, Md
Zimmerman, J. M., wooden handles, Owasso, Mich.
Zimmerman, John, Co., stone producers, Wauwatosa, Wis.
Zimmerman, L., & Son, cornices, 911 Folsom, San Francisco, Calif.
Zimmerman Process Syndicate, smelters, 221 E. 28th, Portland, Ore.
Zimmerman Steel Co., Bettendorf, Ia.
Zimmerman, W. S., paint mfrs., Shamokin, Pa.
Zimmerman-Wells-Brown Co., machy. dlrs., 76 1st, Portland, Ore.
Zimmermann Building Specialty Co., Ltd., 2131 Magazine, New Orleans, La.
Zimmermann, Christian, & Co., masons' & bldrs.' matls., Peru, Ill.
Zimmermann, V., cornices & skylights, 3610 3d av., New York.
Zinc Collar Pad Co., Buchanan, Mich.
Zincograph Co., 124 White St., New York.
Zingerline Bros., contractors, Rome, N. Y.
Zink Collar Pad Co., Buchanan, Mich.
Zinke Company, The, 1323-25 S. Michigan Blvd. Chicago.
Zinn, Chas., & Co., flower & willow baskets, & willow ware mfrs., 16 E. 15th, New York.
Zinn, Edward, tool kits & razor strappers, 210 11th av., New York.
Zinn, Simon, Inc., pocket book frames, 210 11th av., New York.
Zinsser & Co., (Mfg. Chemists), Hastings Upon Hudson, N. Y.
Zinsser & Co., Wm., 195 William St., New York.
Ziola-Jackson X-Ray Coil Co., Madison, Wis.
Zion's Co-Operative Mercantile Institution, Salt Lake City, Utah.
Zip Mfg. Co., valve grinding compounds, 1611 Platte, Denver, Colo.
Zipf, A., surgical instruments, 3044 Olive, St. Louis, Mo.
Zitko, Chas., cornices & skylights, 3524 Lindell, St. Louis, Mo.
Zitterell, W. S., Co., contrs., Webster City, Ia.
Zneimer, Nicolas, Button Works, 107 S. 11th, Newark, N. J.
Zobel, Ernst, Co., coal tar prod., 112 2d av., Brooklyn, N. Y.
Zobel, S., & Co., Inc., hdwe., 453 Stevenson, San Francisco, Calif.
Zobler, Otto, Mfg. Co., brewers' machinery, 336 N. Oakley blvd., Chicago, Ill.
Zoeller Co., William, 325 N. Curtis St., Chicago.
Zoeller, William, Co., machsts., 325 N. Curtis, Chicago, Ill.
Zogg, Nicholas, 226 E. 144th St., New York.
Zoia, Peter, & Co., granite, Quincy, Mass.
Zoller & Buchtenkirch, architects, 1265 B'way, New York.
Zoller, Chas., Co., machinery, 205 Prince, New York.
Zoller, Jacob, Co., meat packers, Little Falls, N. Y.
Zoller, Wm., Co., meat packers, 343 Spring Garden av., Pittsburgh, Pa.
Zollinger, G. J., cornices, Harrisburg, Pa.
Zolper, Henry, & Son, contr., Mendota, Ill.
Zone Dehydrator Co., 481 Forrest, Oakland, Calif.
Zonneyville, M. J., soap, Rochester, N. Y.
Zonta Tire & Rubber Co., Sioux City, Ia.
Zorger Lens Co., Champion, Ill.
Zork Mfg. Co., wood carvers, 1509 N. Halsted, Chicago, Ill.
Zouri Drawn Metals Co., Chicago Heights, Ill.
Zschau, A. E., cornices, Hamilton, Ohio.
Zuber Drain Tile Co., Columbia City, Ind.
Zuber, J. W., lumber, Atlanta, Ga.
Zuehlke Heating Co., 236 24th, Milwaukee, Wis.
Zuern Plumbing & Heating Co., Shamokin, Pa.
Zuhr, Henry, models & experimental work, 489H Broome, New York.
Zummach, Wm. F., 283 W. Water St., Milwaukee, Wis
Zurbrugg, Aug., masons' & bldrs.' matls., Riverside, N. J.
Zurn Company, The, O. F., 2736-38-40 N. Broad St. Philadelphia, Pa.
Zusi, Edward A., 101 Monroe St., Newark, N. J.
Zweibel, Edward, machst. & fndr., Pottsville, Pa.
Zwick, R., plbrs. supplies, 1247 Blue Island av., Chicago, Ill.
Zwiebel & Griebel, machsts. & fndrs., Elkhorn, Wis.

Index to Classifications of Products

Classifications which are marked thus * in the body of the Register are inserted for concerns using these classifications for publicity purposes. Other concerns in similar lines of business will always be found under the standard classifications.

IMPORTANT—The Numbers in This Index Refer to the Classifications Direct and Not to the Page Number

No.
"A" batteries, radio.....653a
blasting powder (see blasting powder) 889
Abattoir machinery (see slaughter house machinery) 9129
scales (see scales beam) 13014
Abrading machines 7671
Abrasive discs 3829
metal cutting machines.7672
paper (see paper, flint, sand & emery).....10663
wheels (see emery & corundum wheel mfrs.) 4298
Abrasives 1
sand blast 1a
Absorbent cotton 3247
paper 10620
traps, vacuum 2
Absorbers, shock 13543
Absorbing columns 2897a
Absorption towers..... 3
A-C network protectors, (see protectors, electric)11693
Accelerators 3a
Accessories, automobile .. 320
automobile, for Fords.. 320a
battery 655
sand blast 12890a
Accident insurance 6678
preventers for machinery 4
preventers for machinery, presses, etc..... 5
Accordion door hangers..3888
Account register & system 6
Accumulator valves 16259
Accumulators, chloride (see batteries, storage) 654
hydraulic 7
steam 8
Accurate measuring machines 8579b
Acetaldehyde 8a
Acetanilide 9
Acetate aluminum 130b
anhydride 14
barium 512a
cellulose 2228a
ethyl 10
iron (see iron liquor)..6698
of alumina (see alumina) 128
of amyl 156
cobalt 2791a
chromium 2501a
of copper 3170c
of lead 7332a
of lime 13
of sodium 13854
zinc 17129a
Acetic acid 20
acid, crude 21
Acetic Anhydride 14
Acetine 15
Acetone 16
oils 10330a
solvent 13885a
stills 14310a
Acetphenetidin 17
Acetyl chloride 18
salicylic acid 21a
Acetylene 18a
arc lamps (see lamps, acetylene gas) 7142
blow torches 15802a
cylinders 3625a
gas 18a
gas burners 1667
gas filters 4727
gas fixtures 5192
gas headlights 5980
gas lamps 7142
gas machines 8354
gauges 5246a
generators 18b
heaters (see stoves, acetylene) 14396
lanterns 7220
lighting systems 7436
lights, portable 7444
meters 9706
mine lamps 7196
ranges (see stoves, acetylene) 14396
searchlights 18254
soldering irons 13878a
stoves 14396
Acetylene tetrachloride... 19
Acid, acetic 20
acetic, crude 21
acetyl salicylic 21a
anthranilic 21b
apparatus, nitric 10160a
apparatus, sulphuric.14528b
arsenic 21c
arsenious (see arsenic white) 246
battery 21d
benzoic 22
beta naphthol sulphonic. 21e
black 22a
blow boxes 1198
blowers 936
blue 22b
boric 23
broenner's 23a
buckets 1584a
butyric 24
calcium phosphate 25
carbolic 26
carbonic (see gas carbonic acid) 5190
cements (proof) 2238
chamber water sprays.13983
chlorosulphoric 26a
chromic 27
cinnamic 27a
citric 28
cleaning machines 7673
Cleve's 2691a
cocks 2795
colors 2387a
concentrators 2975a
coolers 3149b
cresotinic 28a
cresylic 28b
dipping 29
egg valves 16261
eggs 30
ejectors 4197a
elevators (see montejus, automatic) 9928c
exhausters 4471
fans 4525
fatty 30a
formic 31
gallic 32
gamma 32a
H. 32b
hose 6445
hydriodic 32c
hydrobromic 32d
hydrochloric 32e
hydrocyanic 32f
hydrofluoric 33
hydrofluosilicic 33a
hydrosilicofluoric 34
jars 6806
kettles 6860
lactic 35
Laurent's 35a
linoleic 36
masks 9596a
metal fittings 4792
metal pumps 11791
metal tank gauges.....5333
metanilic 37
mixed 38
molybdic 39
monochloracetic 39a
monosulphonic F..... 39b
muriatic (see acid, hydrochloric) 32e
naphthalene sulphonic.. 39c
naphthionic 39d
naphthylamine sulphonic 39e
Neville & Winther's.... 39f
Acid, nitrating 39g
nitrators, picric 10153a
nitric 40
oleic (see oils, red)...10339
oleum (see acid, sulphuric fuming) 52
orange 41
oxalic 42
oxalic monohydrate (see crystals monohydrate) 3468b
packing 10446a
pans 10582
perchloric 42a
phosphate 43
phosphate carriers.....1977
phosphoric 44
phthalic 44a
pickling 44b
picric 44c
Acid, picric, apparatus..10861
pitchers (see stoneware, chemical).....14360
plants, complete 45
plants, hydrochloric.... 45a
plants, phosphoric..... 45b
plugs 11206a
acid plugs & seats..... 46
pots 11421
proof baskets, burnishing 602a
proof belting 735
proof blocks for tower packing 897a
proof brick 1400
proof cements.....2238
proof gloves (see gloves, rubber) 5511
proof paints 10528
proof pipe 10927
proof pumps 11791a
proof, stoneware, cocks (see stoneware, chemical) 14360
proof, tourills.....15821a
pulsometers 11767a
pumps 11789
pumps, hard rubber...11790
pyrogallic 47
pyroligneous (see acid, acetic crude) 21
receivers 12214a
recovery apparatus, sulphuric 14528c
red 47a
resistant evaporators, lined 4450
resisting castings 2145
resisting metal 9664
resisting monel metal..9664a
retorts, nitric 12390b
salicylic 48
stains 14094a
stearic 50
stills, nitric 14318a
storage tanks 14724
sulphanilic 50a
sulphuric 51
sulphuric, fuming 52
sulphuric, substitute... 52a
sulphurous 52b
syphons 14627
tank lining compounds.2924
tannic 53
tartaric 54
towers 15831a
tungstic 55
valeric 55a
valves 16260
vanadic 55b
vessels 56
violet 56a
vulcanizing 57
washers 16619b
white 58
Acid meters 59
Acids 60
for pickling iron & steel 60a
wood 61
Aconitine 62
Acorn carriage nuts.....10188
Acousticons (see audiphones) 309
Actinic glass.....5437
heat-intercepting glass.5454b
Actinolite roofing 12712
roofing tile 12739
Actions, piano..... 63
Adams valves (see valves Y.) 16429
Adapters, conduit bushing 64
lamps 65
Adding machine knobs..7064a
machine parts.....10750
machine rolls.....12652
machine stands 14141
machines 7674
typewriters 16217
Addressing & mailing.... 66
machines 7675
Adepslanae (see lanolin).7219a
Adhesive cements 2238a
paste 10751a
Adhesives (see paste)...10751
Adjustable angle plates..11056
automobile stock 14331
clamps (see clamps, carpenters) 3568
die plates 11083
Adjustable dies 3784
door hangers 3889
electric fixtures 4825
expanding dies.....3747
floating reamers 12181
hollow mills 9757
measuring hoppers ...6425a
reading tables 14639
reamers 12180
round dies 3785
"S" wrenches (see wrenches "S") 17098
scribers 13236
speed motors 9958
stools 14361
taps 14842
wrenches 17051
Adjusters, automatic slack 67
brake slack 68
chain 69
lamp 70
lamp cord 71
shade (see adjusters, window shade) 75
switch plate 72
telephone cord 73
window blind 16864
window casement 74
window shade 75
window stop 76
Adjusting clamps, quick..2604a
Advance construction & industrial information. 76a
Advertising agencies..... 77
aprons 207
calendars 1800b
counsellors (see advertising agencies)..... 77
cutouts 3523a
direct-by-mail 3826
envelopes 4422a
mirrors 9846
novelties 79
pencils 10739
post cards 11394
signs 13655
specialties .....79 & 13904a
tape 14828
thermometers 15499
umbrellas 16225
wood rulers (see advertising novelties) 79
Adze manufacturers 80
Aeco deo 81
Aerating nozzles 10167a
Aerators, milk (see coolers, milk) 3162
Aerial cable carriers.....1978
cableways (see wire rope tramways) 16974
navigation engines (see engines, airplane).....4347
ring crimpers 3429
torpedoes 15819
Aerial trucks.....15993
wire 16891
Aeronautical motors (see engines, aeroplane)...4347
Aeroplane aluminum.....132a
barographs 521a
barometers 521a
bearings 663a
building machines 9485a
compasses 2914b
cylinder forgings.....4933a
engine parts 4326
engines 4347
equipment (see aeroplane machinery & equipment) 7676
fabric 4522a
fuselages 82
gauges 5246b
gears 5369b
guns 5728
hangars 5886b
instruments 6624a
lumber 7648a
machy. & equipment...7676
parts and supplies 82a
parts, engine.....4326
propellers 11686
radiators 12099
rims, steel 83
stabilizer 14083
starters (see motor starters) 9957
supplies 82a
tubing 16089a
turnbuckles (see turnbuckles for aircraft)16158a

INDEX

No.
Aeroplane wheels 16754
wire 16892
Aeroplanes, seaplanes, etc. 83
"A" frame derricks.....3696a
Affixing machines, postage stamp.....8844
Aftercoolers 84
Agalite 85
Agar agar 86
Agate bearings 664
Agencies, advertising..... 77
Agents, steel 14231a
Agers, aniline 14994
Agitators, chemical 86a
clay 87
drug 87a
liquid 87b
mining 88
miscellaneous 89
oil, etc 90
paper mill 91
Agricultural balls 443
chains 2290
furnaces 5044
hooks 6302
implement mfrs. 92
implement parts 93
implement seats 13258
implement shapes 93
implement springs 13994
implement steel 14195
implement wheels ...16754a
salt 12871
tool handles 5838
wrenches 17052
Aiken operating valves..16262
Air atomizers 270
brake cocks.....2797
brake fittings.....4793
brake gauges (see gauges, steam) 5330
brake gauges, duplex..5278a
brake handles.....5817
brake hose.....6446
brake locks.....7522
brake lubricators.....7622
brake packing 10447a
brake pins.....10887
brake pipe.....10927a
brake rings.....12429
brake signals.....13639
brake springs (see springs, coil).....14006
brake storage systems.. 94
brake tanks.....14726
brake washers.....16621
brakes 1858
brake switches 14568
brushes 1516
cell pipe & boiler coverings 10982
chamber pumps.....11792a
chambers 2412
cleaners 2643
cleaning & drying, compressed 2952a
cocks 2796
cocks, rock drill.....2836
compressor cylinders (see cylinders, carbonic acid gas).....3634
compressor lubricators.7623
compressor packing...10448
compressor tanks.....14727
compressors 2954
compressors, portable...2955
compressors, water jet.2973
condensers 2996
Air conditioning (see washers, air).....16620
coolers 3150
cooling & purifying apparatus 95
cranes (see pneumatic cranes).....3376
cushions, rubber.....3513
cylinder hoists (see pneumatic hoists)...11284
cylinders 3626
diffusion 3808b
discharge valves, pressed steel.....16264
drill hose.....6447
drying machinery.....7676a
ducts, steel..... 95a
dump cars, automatic..1996
dusting nozzles 10167b
engines (see engines, compressed air).....4356
filters 4728
for coal mines, valves.16265
furnace castings.....2146
gauges 5247
hammer rock drills....4054
gun slugs (see ammunition, air rifle).....155a
guns, darts.....3666a
hammers (see pneumatic hammers) 11283
heaters 6014
hoisting machinery 98
hoists 6166a
hoists, pneumatic (see pneumatic hoists)...11284
hose 6445a
hose couplers.....3282
intercoolers 6684
jet lifts.....7418a
lift pumps.....11794

No.
Air lifts (see lifts, pneumatic) 7425
locks 7521
locks, sewerage, automatic 96
mattresses 3513
meters .....97 & 9707
mixers 9859
moistening apparatus..15278
motor hoists (see pneumatic hoists).....11284
motors 9960
motors & air hoisting machinery 98
moving machinery (see blower mfrs.)..... 935
nozzles 10167
operated chucks.....2505
packing 10447
pillows, rubber 3513
power locomotive turntables 16175
pressure water supply..11320
pumps 11792
pumps, electric.....11842
receivers 12215
receivers & tanks.....14823b
regulating valves.....16266
regulators 12313
reheaters 12354
reservoirs 12372
rifle ammunition 155a
rifles 12413
rock drills (see pneumatic drills).....11275
separation pulverizers., 11767c
separators 13284
speedmeters, aeroplane.9707a
steam valves.....16397
strainers 14423
tanks 14725
tanks for garages.....14728
tanks & receivers.....14823b
tight heaters.....6015
tight metal threshold...9680
tight stoves.....14397
tire pumps.....11796
traps 15882
turntable tractors.....16171
valves 16263
valves (see cocks, air).2796
valves for coal mines..16265
valves, steam.....16397
vents 16493a
washers 16620
washing & humidifying nozzles 10168
whistles 16829
& circulating pumps combined 11825
& water pumps combined 11797
Aircraft turnbuckles.....16155a
Airducts, steel..... 95a
Airollene grease.....5589
oil 10236
Airole 99
Airports 100
Alarm clocks 2721
clocks, electric.....2727
gauges 5248
tills (see drawers, cash or money).....3991
Alarms, burglar..... 101
burglar system..... 102
Alarms, fire, manual, thermostatic & automatic system 103
highway crossing (see signals, railway crossing) 13652
low water, for boilers. 104
mine car..... 105
tank 106
Albone 108
Albumen, blood 108a
egg 108b
milk 108c
Albumenometers 109
Albums, postcard..... 110
Alcohol benzyl 792c
burners (see lamps, alcohol) 7143
concentrators, crude...2975b
denatured 111
engines 4348
ethyl 112
grain (see alcohol, ethyl) 112
heaters (see stoves, alcohol) 14398
iso amyl, butyl & wood 113
lamps 7143
methyl 113a
pumps 11798
soldering irons.....13878
solidified 114
stills 14312
stoves 14398
torches 15803
vapor stoves.....14399
wood (see alcohol, methyl) 113a
Alcoholometers 114a
Aldehyde (see acetaldehyde) 8a
Ale cocks.....2798
filters 4729

No.
Ale pumps 11799
Alfalfa cultivators.....8475
cutters 3529
forks 4962
harrows 5950
hullers 6492
loaders 7500
machinery 7677
meal 9641
mills 9758
seed cleaners.....2644
stackers 14086
Aligning & leveling apparatus 115
piston machy. (see piston & piston ring machines, automatic)...8797
reamers 12182
Alizarine assistant..... 116
colors 2888
Alkali blue 116a
drum steel 14196
mfrs. 117
oils 10277a
plants 117a
resisting paints 10528a
Alkaloids 117b
Alkarhein 118
All metal round dump cars 1994b
all kinds envelopes....4422b
Alligator shears.....13407
wrenches 17053
Alloy cerium 118b
electric steel (see steel alloy & carbon).....14197
hammers 5773
ingots 6590b
metals special 118a
pyrophoric 118b
steel 14197
steel forgings.....4934
Alloys, aluminum..... 119
brass 120
bronze 120
chromium 120a
copper 121
cupro nickel..... 122
electrical resistance... 122a
ferro 4646
fusible 122b
gold 123
iridium 124
magnesium (see ferro-magnesium) 4650
manganese (see ferro-manganese) 4651
manganese bronze..... 125
nickel 121
phosphor bronze..... 126
silicon (see ferro-manganese, ferro-silicon).4655
silver 123
steel mfrs. (see ferro-alloys) 4646
vanadium (see ferro-vanadium) 4659
white metal..... 126a
zirconium 127
Almond meal.....9642
Aloin 127a
Aloxite grinding wheels 16768
Alpha-naphtylamine 127a1
napthol 10104a
nitronaphthalene 127a2
Alphabet blocks..... 899
Alphabets & figures, steel (see stencils).....14282
Altar bells..... 708
rails 11766
rails, brass.....1875
Altars 127a3
marble 9560
Alternating current electric portable fans...4531
current motors.....9961
current rectifiers.....12246
Alternators (see dynamo & motor mfrs.).....4179
Altitude controlling valves 16267
gauges 5248a
Alum (see alums)..... 139
ammonium 127b
chrome 2495
ferric 127c
filter 127d
porous 127e
Alumina 128
Aluminite 129
Aluminized nickel.....10123
zinc 17130
Alumino-vanadium 130
Aluminum 130a
acetate 130b
aeroplane, for 132a
alloys 119
bag tags.....14697
balls 444
bottles 1164
boxes 1187
brazing flux.....4913
bronze castings.....2148
bronze, Sillman's apex.1495a
bronze wire.....16894
castings 2147
castings, die molded...2162b
chains 2291

No.
Aluminum chloride 130c
cleanser 2681a
coated nails.....10013
coated steel sheets...14248
coated wire.....16895
coils 2852
combs 2907
cups (see cups, drinking) 8495
enamels (see paints, aluminum) 10529
ferro 4647
figures .....4688a & 7393
files 4692
flake 131
fluoride 132
foil 4916
forgings 4935
forks 7063
gaskets 5211
granulated 132b
hollow ware..... 133
household & toilet specialties 134
hydroxide 134a
ingots 6591
knives 7063
leaf 135
letters 7393
liquid 136
matting 9623
melting furnaces.....5045
molds 9895
nails 10042
nitrate 136a
novelties (see metal novelties) 9675
ores 10375
oxide 130a
pails 10498
paints 10529
pattern plates 11054a
perforated 136c
pig (see ingots, aluminum) 6591
pipe (see tubing, aluminum) 16090
plate 11048
potassium sulfate 11413a
powder mfrs. (see bronze powders).....1494
powdered 136d
pumps 11800
railway feeders.....4597
resinate 136e
rivets 12498
rods 137
rolling mill machinery.7678
rules 12809
scrap 13089
shades 13347
sheets & rods..... 137
shoes 13551
silicate 137a
stearate 137b
sulphate 137c
sulphite 137d
signs 13656
solder 13864
spoons 13954
stamping 14119
tanks 14729
trays 15916
tubing 16090
tungsten 16146
Aluminum vessels & linings for fireless cookers 138
ware, hollow 133
washers 16622
wire 16893
Alums 139
Alundum wheels (see emery & corundum wheels) 4293
Always ready wrenches.17054
Amalgam barrels..... 525
Amalgamating barrels... 140
pans 140
plates 11055
Amalgamators, metallurgical 141
Amateur vises.....16508
Amatite paper machines 7679
Ambrac metal sheet wire & tubes 142
Ambulances 143
Aminophenol para,base10739a1
Ammeter testing instruments 6643
Ammeters, shunt..... 144
& voltmeters..... 145
Ammonia 146
anhydrous 146
aqua 146
benzoate 148a
bichromite 149a
carbonate of (see ammonium carbonate)...152
coils 2853
compressors 2956
concentrators 2976
condensers 2997
coolers 3151
cylinders 3628
fittings 4794
gauges 5248b
helmets 6075
hydroxide 147

No.
Ammonia indicators 6547
liquor tar tanks.....14813
molybdate 9926
muriate of (see salammoniac) 12867
packing 10448a
phosphate (see ammonum phosphate) 154
pipe 10927b
pumps 11801
receivers 12216
regenerators 12297
scrubbers (see purifiers & scrubbers, gas)...12030
separators 13285
stills 14312a
sulphate of.....14513
tanks 14729a
tungstate 16145
valves 16268
Ammoniates 148
Ammonium, alum 127b
benzoate 148a
bi-carbonate 49
bichromate 149a
bifluoride 150
bromide 151
carbonate 152
chloride 152a
chloride (see sal-ammoniac) 12867
chromate 152b
fluoride 152c
hydrate 6508
iodide 152d
malybolate 152e
nitrate 153
nitrate crystallizers....3466
oxalate 153a
persulphate 153
phosphate 154
sulphate 14513
sulphide 154a
sulphocyanide 154b
tartrate 154c
valeriate 154d
Ammunition 155
air rifle 155a
cases 2109a
Ampere hour meters....9703
Amplifiers, radio 12220
Amplifying gauges 5248c
transformers, radio...15868a
Amyl acetate (acetate of amyl) 156
Acetate, commercial & iso 156a
butyrate 156b
salicylate 156c
valeriate 156d
Anaesthesic apparatus... 156e
ether 4440
Analytical apparatus.... 157
balances 435
chemists (see Chemists).2443
Anchor bolts.....1051
& timbers caps).....6849
chains 2291a
clevises 2692
rods 12542
shackles 13343
straps 14448
Anchors, boat, etc..... 158
box 1184
building 158a
concrete 159
fence 160
fishing 160a
Anchors, grapnel 160b
guy 161
joist 6849
kedge 161a
mooring 161b
mushroom 161c
rail 162
screw 163
screw, expansion..... 164
stockless 164a
stone 165
trawl (see anchor fishing) 160a
wall 166
Andirons, fenders & grates 167
Anemometers 168
Aneroids 169
Angelus strikers.....2722
Angle bars..... 559
benders, hand power.. 777
bending machines.....7679a
cock clamps(see clamps, carpenter adjustable screw, etc.).....2568
gears 5369c
heating furnaces.....5045a
iron (see steel structural mills) 14267
iron brake.....1350
iron cutting machines, hand power.....7680
iron shears 13409
joints 6829
plates, adjustable.....11056
straightening machines.7681
valves 16323
Angles, bedstead, steel..14206
brass 1386
bronze 1486
copper 1386

No.
Angles, steel 14198
& bands, trunk..... 172
Angular bearings, contact 665
belting mfrs. (see belting mfrs.)..... 734
bit stock.....827
cutters 3530
& ratchet drilling machines 7682
Anhydride acetic..... 14
phthalic 10840a
Anhydrous ammonia..... 146
sodium carbonate (see soda ash) 13848
Animal pens.....10806b
Aniline agers.....14994
color mixers 9859a
colors & dyes..... 173
hydrochloride 173a
kettles (see kettles, size) 6878
nitrators 10157
oil apparatus 173b
oils 10278
plants 173c
reducers 12252a
salts 12880
stills 14312b
Animal cages.....1790
charcoal 2419a
foods 4918
oils 10279
oils, sea 10334
pokes 11355
traps 15883
Annatto 174
Annealed copper sheets..3183
steel sheets, blue.....14249
wire (see wire, market) 16951
Annealers, wire..... 175
Annealing (see case hardening) 2108
box stands.....14142
boxes 1188
furnace brick.....1402
furance cars 1994c
furnaces 5046
furnaces, bright.....5054a
furnaces, malleable....5097
furnaces, wire 5134
lehrs, window glass...7383
machines (see heating ovens (see furnaces, annealing) 5046
pans 10583
pots 11422
tanks 14729b
tanks, car wheel.....14741
Announcers, stage (see carriage calls, electric) 1967
Annular bearings 666
Annunciator wire.....16896
Annunciators 176
automobile 177
elevator 178
hospital (see annunciators also signals, hospital) 176
Anodes, brass 180
bronze 180a
copper 180
gold 181
nickel 182
silver 181
zinc 183
Antenna 183a
aerial & cord wire....16897
Anthracene 183b
Anthranilic acid 21b
Anthrydride phthalic....10840a
Anti-cyanide paints.....10529a
-fluctuators, gas engine 184
-freezing compounds...2925
-freezing valves.....16269
-freezing water closets, 16673
-friction dumb waiter pulleys 11726
friction metals 184a
-froth oils.....10280
-hums 185
-rail creepers 189c
-rattlers, rubber..... 190
-rattlers, steel..... 191
-rattlers, window..... 192
rust enamels 4304a
-rust lacquers.....7101
-rust paper.....10621
-siphon traps.....15884
-skid chains.....2292
-spreader chains.....2293
-stick paint.....10522
-tarnish paper.....10622
Antimonial lead.....7333
lead metals.....9685
Antimony 186
chloride 186a
crude 187
metals 9686
needle 187
ores 10376
oxide 188
oxymuriate 188a
regulus 188b
salts 188c
sulphuret of..... 189
tribromide 189a

No.
Antipyrine 189b
Antiseptics 192a
Anvil blocks..... 900
vise & drill combined. 193
vises 16509
& vise combined..... 194
Anvils, bench..... 195
blacksmiths', etc., cast iron 196
blacksmiths', etc., imported 197
blacksmiths', etc., steel 198
blacksmiths', etc, wrought 199
farm 202
jewelers' 200
paper weight..... 201
plow 202
saw makers' 203
Apparatus (Apparatus is indexed under the headings descriptive of its kind)
Apple butter cookers.....3140
butter kettles.....6861
butter machinery.....7683
canners (see canned goods) 1829
choppers 2492
evaporating machinery 7684
grating machines.....7685
grinder knives 6923
quartering machines...7687
slicing machinery.....7688
Appliances, life saving...7413a
& guards, window cleaning 16865
Applicators, mucilage (see brushes, paperhangers') 1555
surgeons' 206
Appraisers, factory, etc.. 206a
Apricot canners (see canned goods).....1829
Apron conveyors.....3088
leather, raw hide.....14995
leather, worsted.....14996
Aprons, advertising 207
asbestos 207a
buggy 208
canvas 209
carpenters' (see aprons, canvas, duck, etc.).. 209
carriage 208
condenser 210
duck 209
endless 14997
leather 212
loom 14998
mechanics' 213
mill (see aprons, rubber) 216
mud (see guards, mud).5700
rain 215
rubber 216
worsted combing.....14999
Aqua ammonia..... 146
fortis (see acid, nitric). 40
Aquamarines 216a
Brazilian 1387a
Aquariums, glass..... 217
Aqueduct wire glass.....5437a
Arbor presses.....11472
Arbors, chuck..... 218
emery wheel (see grindstone fixtures)..5663
Arbors, lathe 218
milling machine..... 218
or summer houses.....14530
saw 219
shell reamer..... 220
Arc deflectors & controller linings..... 221
furnace transformers (see transformers)..15864
globe nets (see lamp guards) 7140
headlights (see headlights, electric car)..5983
headlights, electric mine locomotive 5983a
lamp brackets.....1324
lamp carbon cutters...2521
lamp clutches.....2774
lamp compensators....2920
lamp cords.....3205
lamp globes.....5508
lamp hangers (see insulators, arc lamp)..6663
lamp insulators.....6663
lamp mast arms.....9600
lamp nets (see lamp guards) 7140
lamp poles.....11267
lamp posts.....11405
lamp pulleys.....11727
lamp suspension chains, 2294
lamp windlasses.....16861
lamps 7144
lamps, acetylene, gas..7142
lamps, electric non-magnet 7145
lamps for blue printing photography..7151 & 7157a
lamps, gas 7146
lamps, gasoline 7147

No.
Arc lamps, luminous....7148
lamps, miniature.....7150
lamps, photo-engraving7151
lamps, stage & stereopticon 7152
light carbons..... 1955
light cut-outs.....3524
mantles 9554
rectifiers, mercury....13249
Arch bars..... 560
plates, boiler.....11061
presses 11472a
punches 11979
tubes 16066
Arches, boiler (see brick, boiler arch).....1406
concrete 2985
corrugated (see awnings, corrugated steel) 345
Archil 223
Architects 224
brewery 225
decorative 226
horticultural 227
landscape 228
mill (see engineers, mill) 4343
naval 229
paper & pulp mill..... 230
theatre 231
Architects' & engineers' instruments & supplies 232
Architectural brass work (see grilles, brass & bronze) 5605
bronze 1487
bronze founders.....1490
decorators 3679
enamels 4305
engineers, consulting...4324
faience 233
iron 6690
modelers' & sculptors'.9889
moldings (see moldings, various kinds)
photographers 10337
terra cotta, enameled or glazed 14964
varnishes 16442
water colorists & pen & ink artists..... 234
wood modelers.....9889
wood turning.....17036
woodwork 6686
& ornamental iron.....6690
Arcing rings.....12430
Arctics (see boots & shoes rubber).....1152
Arecolire 235
Argols 236
Arm band clamps.....2555
Armature banding machines 7689
banding wire.....16898
bearings 667
buggy 1638
coil segment presses..11473
coil taping machines..7690
coil varnish (see varnishes insulating)..16451
coil winding forms....4990
Armature coil winding machines 7694
coils 2854
cores 3211
disc dies.....3748
disc notching machines 7691
discs 3839
insulation 6649
jacks (see lifts, motor, car pit).....7424
lacquers 7102
lifts (see lifts, motor, car pit) 7424
rewinding & commutator refilling..... 237
straightening machines 7693
twine (see cordage and twine mfrs.) 3196
varnish (see varnishes, insulating) 16451
wedges 16719
winding stands.....14143
Armatures 238
Armor plate.....11049
plate cold saw cutting machines 7695
plate scales (see scales, rolling mill).....13047
submarine (see diving apparatus) 3864
Armored cables (see conductors, armored)...3013
conductors 3013
Armoring & cabling machines 7914
Arms, draft.....3973
facing 4524
telephone 14910
telephone transmitter.14929
tone 238a
trolley (see brackets, pole) 1347
Army canteens.....1881
cots, etc.....3242
Aromatic chemical synthetic 2438

INDEX

INDEX

No.

Arresters, dust, for foundries 4168
lightning 239
spark, electric..... 240
spark, locomotive, traction engine, etc.. 241
Arrowroot, starch 14174a
Arrows (see hands, meter, indicator, toy, etc.) 5885a
for games, toys & novelties 244
Arsenate of lead.....7333a
lead grinders..... 5607
soda (see sodium arsenate) 13854a
of zinc.....17130a
Arsenic 245
acid 21c
bromide 245a
red (see arsenic)..... 245
sulphide 245b
trioxide (see arsenic, white) 246
white 246
Arsenious acid (see arsenic white)..... 246
Arsenous, oxide (see arsenic, white) 246
Art leathers, decorative.3676
metal doors.....3907
metal work (see grilles, brass & bronze).....5605
tapestries, decorative..3677
tile 15572
Artesian well cylinders..3629
well drills (see well drilling machinery..9402
well engines (see pumps, artesian well) 11802
well machinery (see well drilling machinery) 9402
well pumps.....11802
well supplies (see well drilling machinery)..9402
Articles patented.....10766
Artificial building stone.14336
eyes 4519a
gum 5717a
leather 7356
leather imitation substitute 7357
leather making machinery 7696
limbs 7447a
lumber 7549
marble 9561
silk 13697
stone laundry tubs....7318
Artistic bronze lamps...7152a
wrought iron lamps..7152a
Artists' brushes (see brushes, paint, kalsomine, varnish)....1554
brush handles 5809b
materials & colors..... 246a
oil colors.....10238
Artists' pen & ink..... 234
scenic 13063
Asbestine 246b
pulp 246c
Asbestos aprons 207a
belting 735a
board dryers 4109a
boiler coverings.....10983
braided tubing.....16091
building lumber..... 247
building sheathing (see asbestos materials).. 254
building sheathing quilt 1645
cements 2239
cloth (see asbestos materials) 254
compound mixing machines 7697
cord (see asbestos materials) 254
corrugated sheathing .. 248
covered wire.....16899
crude (see asbestos miners) 255
felting mfrs..... 249
fibre 250
filter mass 4725c
friction surfaces.....5019a
gaskets 5204
gaskets, copper combinations 5204a
gloves 251
helmets 6073
insulating rubberized..6648
listing 253
material 254
metallic cloth packing 10450
metallic gaskets (see gaskets, metallic)...5211
mill boards..... 256
miners 255
mitts 251
packed cocks.....2798a
packed valves.....16270
packing 10449
paints 10530
panel boards 963b
paper 256

No.

Asbestos pipe coverings.10983
plaster 11036
powder 257
protected metal..... 258
protected metal roofing12714
rock dryers (see dryers, cement) 4112
roofing 12713
roofing materials.....12728b
roofing slate (see shingles, asbestos).....13530
rope (see asbestos material) 254
rubberized, insulating.6648
shingles 13530
table mats.....9604
table padding..... 259
tape 253
textiles (see asbestos materials) 254
theatre curtains 15492a
tubes 16091
twine (see asbestos materials) 254
wick 16842a
yarn 17114a
yarns (see asbestos material) 254
Ash bins 818a
bone 1131
can carriers 1978a
can conveyors.....3089
can handles.....5815
can hoists.....6168
can trucks 15995
cans 1833
cauticized 259a
chutes, steel plate (see chutes, steel plate)..2544
dumps 4159
ejectors, hydraulic....4198
expellers S. S.....4432a
handles, farm tool....5838
handling conveyors....3103
handling machinery (see conveyors, coal & ash handling)....3103
handling systems, pneumatic 11261
hoists 6167
hoppers 6426
lumber 7650
pearl (see potassium carbonate calcined).11416a
pit doors.....3909
receivers 260
receivers, rotary underground 12219
sieves 13622
sifters 13627
soda 13848
tanks (see bins, ash).. 818a
tin (see tin oxide)....15609a
trays 15917
& garbage covers.....3314c
Ashes elevators.....4254
Ashlar brick (see architectural faience)..... 233
Asparagus bunchers.....1655
canners (see canned goods) 1829
knife & weeder.....6922
knives 6924
plows 11178
ridgers 12411
Asphalt 261
cars 1995
cements 2240
crushers 3449
dealers 262
dippers (see road oilers & distributors)..12533
dryers 4109a1
dump wagons 16555
felts 4616
fillers 4707
furnaces (see heaters, asphalt, etc).....6016
heaters 6016
importers 262
insulating 6647
japans 16460
kettles 6861a
kettles (see kettles, tar) 6885
liquid & solid (see asphalt, miners & refiners) 264
machinery 266
mastic 263
miners & refiners..... 264
mixers 9860
paints 10531
patching hoes.....6158
paving blocks.....10771
paving contractors....3043
paving tools.....15699
picks (see picks, mattocks & grub hoes).10856
pipe dip..... 265
pitch 11002
plant builders..... 266
pots 11423
pouring pots.....11437
rakes 12133
ready roofing.....12716
refiners 264
rollers, steam.....12641

No.

Asphalt roofing materials (see roofing asphalt ready) 12716
sandals 12910
shingles 13531
slag roofing.....12717
smoothers 13792
solid 264
spraying nozzles.....10169
surface heaters.....6016a
varnishes 16460
Asphalted pipe.....10928
Asphaltum, liquids.....7491
paints 10532
varnishes 16443
Aspirators 266a
flour mill 267
Aspirin (see acid-acetyl salicylic) 21a
Assay balances..... 435
Assayers 268
Assayers' furnaces.....5047
testing instruments....6644
tools 15700
Assembling machines, wheel 7698
trucks 15996
Assembly seating.....10370
Assistant, alizarine..... 116
Assorting machines, cranberry 8150
Astronomical instruments 6625
Athletic goods mfrs....13971
shoes 13553
uniforms 16227
Atlases 269
Atmospheric direct heat dryers 4109b
drum dryers 4109c
rotary dryers 4109d
vacuum dryers 4109e
Atomizers, air..... 270
billow 271
concrete (see guns, cement) 5729
fuel oil 271a
medicinal 272
rubber 14635
spray 273
Atropine 274
Attachment plugs 11207
Attachments, automatic drilling 275
automobile (see units, truck) 16232a
bean harvester..... 276
binder, for headers.... 277
binder, for threshers... 278
cam grinding..... 279
card 15036
chain drilling (see drills, chain attachment) 4019
clover huller, for threshers 280
Attachments, couch leg..3256
cultivator 3473
desk swinging.....3719
disc drill & seeder.... 281
disc furrowing..... 282
draw-bar 3988
drill, for disc harrows. 283
dropper, for mowers.. 284
feeder clutch 15154b
fertilizer 285
flax, for binders..... 286
for sash chains.....2371a
gang press wheel..... 287
gas 288
gear cutting..... 289
harrow sulky..... 291
header 292
hosiery striping.....15209
indicator 6546
key seater, for cutting oil grooves..... 293
knitting machines....15219
loom 15231
machine tool.....7666a
milling machine..... 294
mule 15290
oil burning, for traction engines..... 296
plowing, traction engine 297
press, for preventing accidents 11467
pump spout..... 298
radius planer.....12105a
reaping, for mowers... 299
riding, for plows..... 300
rotary harrow, for plows 301
seeder, for disc harrows 302
sewing machine 13339
spring tooth, for disc cultivators 304
stalk cutter..... 305
stone planing machine .306
submerged, drilling (see attachments, automatic drilling).. 275
sulky harrow 291
taper (see machine tool attachments) ..7666b
tapping 14340

No.

Attachments, tapping, drilling machine ...14841
turret 16183
vacuum cleaner 306a
vise drilling.....16505
wood barking..... 307
Attorneys, patent.....10765
Attrition mills.....9759
Aubepine 308
Audible & visual signals.13640
Audiphones 309
Auditorium door hangers 3890
Auger bit boxes.....1189
bit gauges.....5253
bits 828
bits, special..... 829
brick machines.....7699
brick machines & pug mill combined.....7700
clot machines.....7701
cranks 3390
handles 5810
machine, spoke.....9169
Augers, boring machine (see bits, auger).... 828
breast (see augers, miners') 313
bung (see borers, bung hole) 1156
carpenters, (see bits, auger) 828
coal 313
earth 314
electricians' (see drills, electricians') 4075
flexible pipe cleaning.. 310
hollow 311
ice (see tools, ice).....6525a
millwrights (see bits, auger) 828
miners 313
post hole..... 314
pump log..... 315
rafting (see bits, auger) 828
ring (see bits, auger).. 828
ship (see bits, auger). 828
telegraph (see augers, post hole)..... 314
treenail 317
twist & hub..... 318
well 319
Auramine 319a
Autoclaves 319b
Auto cleaner 2642a
electric lighting systems 4216
-light deflectors.....3683
plows 11179
regulating transformers 15864a
spring clips 2703a
Auto tire brands.....1374b
tire forcing presses..11474a
truck cranes 3348
truck tire forcing presses 11474b
Autogeneous welding....16743
Autographic registers...12299
Automatic air dump cars.1996
air vacuum valves....16420
air valves (see valves, air).....16263
blow case 932
bolts 1052
boring & tapping machines 7835
bottle filling machines.7843
buckets 1584b
can stamping machines 7944
cars 1995a
cellar drainers.....2222
cement weighing machines 7996
chucking & turning machines 8023
coal scales.....13018
coat & hat hook machines 9427
compensators 2920a
controllers, fire & flame 3061
coupler forgings.....4936
cross-over dumps.....4160
cylinder boring machines 7818
dabbers, metallic.....3657
dies 3749
disc notching presses.11475
door switches.....14570
doors, fire 3909a
doublers, for sheet steel 3962a
drilling attachments... 275
drilling machines.....8216
drip valves.....16271
drive gates.....5217
egg boilers 1021
electric controllers.....3052
elevator doors.....3924
elevator gates.....4240
engines 4409
filters 4729a
fire alarm systems.... 103
fire door fittings.....4759
fire escapes.....4766
fire shutters.....13614
fire sprinklers.....14044

No.

Automatic fire & flame controllers 3061
furnaces 5047a
furnaces, rotary kiln.5117
gang presses.....11476
gate hook machines....8359
ground throw stands.14144
hatch doors 3936
hatch gates (see elevator gates, automatic), ...4240
high & low pressure, steam turbines.....16151
hosiery boarding machines 15207a
hot rolled stock straightening & cutting machinery.....8469
hot soda apparatus...6476
index milling machines.8596
loading trucks.....15997
lock & loop stitch lacers 15227
lowering jacks.....6768
machine products 7666a
machine work.....7668
metal working machines, special 9161a
montejus 9928c
packaging machines...7702
peg & lace hole cutters 15099
pie making machines..8776
piston & piston ring machines 8797
planer stops.....14380
power conveyors.....3090
pump starters (see self starters) 13283
pumps 11803
railroad switches.....14571
reels 12256a
regulators (see thermostats) 15521
sacking scales.....13048
scales 13012
screw drivers.....13169
screw machines.....9036
self weighing scale feeders 15155
sewage flushers.....4910
sewerage airlocks..... 96
sheet metal & strip stock straighteners & cutters 13472
shoe shining machines..9102
shutters 13613a
signals, calling.....13640a
slack adjusters 67
spacing tables 14663

Automatic spoke driving machines 9170
staying machines.....9200
stokers 14335a
switches 14569
telephones 14931
time switches.....14613
toy pistols.....10999a
toy rifles 12413a
tripping hooks.....6303
turret machines.....7703
water heaters.....6053
water valves.....16326
weighing machines....9398
weighing, packing & bagging machines. 9399
wood turning lathes...7253a
wood turnings.....17038

Automobile accessories.. 320
accessories for Fords.. 320a
annunciators 177
axle bearings..... 675a
axle greases 5596
axle washers 16623
axles 356
ball hubs.....6488
baskets, hampers & touring cases..... 612
batteries 650-654
battery boxes.....1195
bells 709
belts 755
belts, wire..... 755
bicycles, sewing machines & typewriting machinery 7704
boats 9951
bodies, commercial metal 1000
bodies, commercial wood 1001
bodies, dumping.....1001a
bodies, passenger, metal 1001b
bodies, passenger, wood 1001c
body making presses.11478
boiler shells 1015
boilers 1018
bolts 1053
bonnet catches (see fasteners, hood) 4560b
brake banding.....1351
brake shoes.....1357
brakes 1361
brushes 1516a
bumpers 1653
burners, gasoline.....1678

No.

Automobile burners, kerosene 1684
bushings 1705
castings 2149
chain locks.....7524
chain tongs.....15663
chains (see chains, power transmission).2364
charging sets.....2421
clocks (see clocks & watches, dashboard).2741
cloth 2744b
clutches 2775
cones 3020
control levers 7402
crank shaft bearings...667a
crankhandles 5811a
crankshafts 3393
creepers 3429
cups 3492
curtain fasteners.....4548
curtain silks 320b
cylinder boring machines (see boring machines, cylinder)..7818
dashboard mirrors 9847
dies 3750
dimmers 3816
door hinges (see hinges concealed) 6094a
drip pans.....10593
dust pans 10584
electric lighting rectifiers 12247
electrical equipment... 323
elevators 4258
enamels 4305a
engines 4349
felts 4616a
fenders and guards....4645
fittings (parts & fittings) 328
foot rests.....4920
forgings 4937
frames, pressed steel...5002
fuel storage tanks.....14730
garage heaters 6017
garage storage tanks.14731
gas tank keys.....6389
gaskets 5204b
gasoline burners 1678
gasoline measures.....9645
gasoline tanks.....14732
gauge 5249
gears 5370
gears & pinions (see gears, automobile)...5370
glare visors 16543a
gloves 5505
grease cups.....3497a
hammers 5776
hampers 612
handles 5811
hardware mfrs. 5926
headlight dimmers.....3816
headlight lenses 7385
headlights 5982
heaters 6018
hood hinges.....6083
hood lacing 7098a
hoods (see hoods, motor) 6298
horn bulbs.....1646
horn pedals.....10778
horns 6433
hubs, ball & roller bearing 6488
inner tubes.....16078
jacks 6769
kerosene burners.....1684
lamp brackets.....1335
lamp hinges.....6083
lamps, electric.....7153
lamps, gas.....7154
lamps, oil.....7154
lamps, trouble finding..7155
light controls 3074b
lighting accessories...7435a
lighting switches.....14574
lights 7440a
lights, axle (see car lighting apparatus).....1921
locks 7523
lubricants 7615
lubricators 7624
lunch kits 7658a
luncheon kits (see baskets, hampers & touring cases automobile) 612
mach. work 7669
machinery 7704
magneto bearings..... 675b
manufacturers (see automobile builders) 321
measures, gasoline.....9645
meters (see meters, speed indication) ...9734
mirrors 9847
motor primers 11670a
motors (see engines, automobile) 4349
motors, electric 9961a
mountings 10018
mud guards.....4645
mufflers 10028
nuts 10188a
oil retainers..... 326
oil soap.....13803

No.

Automobile oilers (see oilers, engine & machine) 10254
oils 5596
paints 10532a
parts machinery.....7705
parts & fittings..... 328
pinions & gears (see gears, automobile)...5370
polish 11376b
pump tubing 16091b
pumps 11804
radiator caps.....1888
radiator cements.....2241
radiator covers.....3315
radiator signs 13657
radiators (see radiators, water cooling..12104b
rails (see rails, coat, robe, etc).....12120
reliners 12359
rims 12417
roller bearing hubs....6488
running boards.....12832
rugs 12802
screw plates.....13180
seats 13259
setters, axle 13329
sheet metal forms (see stamping automobile) 14120
sheets, steel.....14199
slip covers 3336a
speed gears.....5371
spring spreaders.....13985
springs 13995
stamping 14120
starters 14175b
starting cranks 3390a
steel, special.....14200
steering gears.....5372
steering knuckle bolts.1054
steering links 329
steering wheels.....16756
steps 14283
storm visors 16543a
straps 14449
switches 14573
tail automobile lights (see lamps, signal)..7209
tank caps 1888a
tire lock chains.....2296
tail light lenses.....7385
tank & muffler parts... 331
tanks & mufflers..... 332
taps 14843

Automobile telephones .14932
tire chains (see chains, anti-skid) 2292
tire coating 2787
tire crates 3396
tire holders.....6217
tire leather.....7358
tire lock chains.....2293
tire locks 7525
tire preserver.....15638
tire presses, hydraulic.11479
tire priers 11670
tire sleeves.....13758
tire trunks.....16060
tires .....15646 to 15648
tool boxes 1190
tool chest locks.....7526
tool rolls.....15694
tool sets (see tool sets) 15697
tools 15701
top bows.....1180
top fabrics (see cloth, rubber coated, also cloth, automobile)...2754
top fasteners 4548
top hardware mfrs....5921
top joints.....6833
tops 15793
touring cases 612
tow lines 15822a
towing ropes.....12768
trade names..... 322
traffic signals 13640b
transmission 15873
trimmings 332a
trouble finding lamps..7155
truck scales (see scales, platform) 13042
truck trailers.....15992
truck wheels (see wheels, metal).....16792
trucks (see automobile builders) 321
trunk racks.....12094
trunks 16059
tubing 16091a
turntables 16172
valve lifters (see tools, valve removing)....15785
varnishes 16444
vises 16510
washers (see washers, vehicle) 16658
washers, axle 16623
washstand turntables.16173
water tanks.....14732
wheel machinery.....7706
wheel pullers.....11707
wheels 16755
whistles 16830
wind shields 16854

No.

Automobile wire 16900
wrecking trucks 15998
wrenches 17055
& carriage door mouldings 9894c
& vehicle taps 14842
Automobiles, juvenile ... 333
passenger, electric 320c
passenger, gasoline ... 321
passenger, steam 321a
Automotoneers 334
Auxiliaries, boat plant... 334a
diesel compressors 2959a
marine 334a
Awl handles 5812
Awls, belt 335
brad 336
harness, etc. 338
ice (see picks, ice)..10855
lime hook 339
peg 338
scratch 340
sewing 338
Awning chains 2297
cleats 2682
fixtures 341
fixtures, blind 342
frame fittings 4795
frame irons 6719
hardware mfrs 5922
hinges 6084
hooks 6304
poles 11358
rods 12542
rollers 12610
sockets 13822
stripes 343
& window screen combined 16876
Awnings, cast iron & steel. 344
corrugated steel 345
& tents, canvas.....14952
Axe brackets 1324a
carriers 1981
handle lathes 7275
handles 5845
helves 5845
mfrs 347
boys' 348
broad 349
camp (see axes, hunters') 351
firemen's 350
hunters' 351
ice 352
Axe, stone 353
tobacco 354
wedges 16720
Axle bearings 667
boxes 1191
caps (see caps, hub) ..1899
clips 2704
collars 2869
cutters 3532
cutting-off & centering machines 7707
gears, street car 5401
generator belting mfrs. 735b
grease boxes 1192
greases, etc. 5596
housings 6485
lights (see car lighting apparatus) 1921
oilers (see oilers, engine & machine) 10254
oils 5596
setters 13329
shafts 13367a
shrinkers 13612
straightening machines (see shaft straightening machines).....9075
testing machines 9266
turning lathes 7254
upsetting machines ...7708
washers 16623
welding & upsetting machines 7709
Axles, automobile 356
ball or roller bearing.16824
car 357
car (mine car) 360
car (street car) 362
carriage 358
children's carriage.... 359
locomotive 357
mine car 360
steel truck 361
street car 362
tractor 362a
trailer 362b
vanadium steel 363
wagon 358
& shafts, hollow 364
Axminster loom knives..7000
looms 15240
Azotine 365
"B" batteries, radio..... 653b
Babbitrite 366a
Babbitt ladles 7127
lined bearings 667b
melting furnaces 5048
metal 366
metal molds 9896
Babbitting molds 9897
Babcock testers (see testers, creamery) 14976
Baby drillers, pneumatic.11262
carriage handles 5813

INDEX

IMPORTANT The Numbers in this Index refer to the Classification direct and not the Page Number.

INDEX

No.

Baby carriage tires 15641
carriage wheels 16758
carriage (see carriages, children's) ..19738
walkers 16604
Back band, buckles 1616
hand hooks 6305
bands horse 367
braces 1312
fillers (trench) 367a
lathe knives 6925
offset radiator valves.16375
pressure valves 16272
saws (see saws mitre box) 12989
stops, tennis court...14950a
water sewer gates.....5232
water traps.....15907
water valves 16273
water & sewer gas valves 16273
Backing machines, book.7798
off lathes 7255
out punches (see punches, pin) 12013
Backs, brush 368
button 1726
calendar 368a
hand mirror 369
picture frame 370
sink 13706
steel, for brake beams. 371
thermometer 372
Bacon slicing machines..8213
Bacteriological apparatus 373
incubators 6542
stains 14094b
Badge pin machinery....7710
Badger hair 5736
Badges 374
& emblems 374
Baffle plates 11057
Baffles boiler (see plates, baffle) 11057
Bag carriers, street sweeping 1980
catches 2207a
cleaners (see cleaners, sack) 2671
closing machines 7711
filler conveyors 3091
Bag filling machines.....7712
filters 4730
frames 11327
hardware 5938
holder trucks 15999
holders 6218
linings, waterproof....7463c
looms 15241
machinery, paper 8699
making machinery 7713
mountings 10019
needles 10108
packers (see packing machines) 8687
paper 10622
printing machines 7714
scales 13043
sewing machines 9057
tags, aluminum 14697
trimmings 16058
trimmings & trunks..16058
trucks 16000
Bagasse, carriers 1979a
feeders 4598
furnaces 5049
Baggage barrows 544
checks 2429
check straps 14450
racks 12053
trucks 16001
Baggers, weighers and loaders, grain 16735
Bagging machines, automatic 9399
screens 13128a
& bags 426
Bags, bat 376
bill posters' 377
bond 384
burlap 377a
canvas 378
carbon 378a
carryall 379
cement 380
clothes pin 381
coal 382
coffee 383
coin 384
coke 382
coke, paper 385
cotton (see bags & bagging) 426
cotton pick 386a
feed 387
filter 388
flour 389
gas engine 390
gas main 391
gas, rubber 5189
golf 392
grain 392a
grease 393
hand (see traveling bags & suit cases).15915
hardware 394
hat 395
horse feed 396

No.

Bags, ice 396a
ice, rubber 12789
inner tube 396b
laundry 397
leather 398
lime 398a
mail 399
mailing 400
moth proof 401
nail 402
nitrate of soda..... 402a
ore 404
paper 405
paper coke 385
parcel post 406
peanut 406a
plaster .....380 & 407
potato 408
rice 409
rubber 410
safety 411
salt 412
sample (see cases, sample) 2126
sand levee 413
sanitary 414
school 415
second hand 416
shopping 415
sleeping 417a
special paper 417b
striking 418
sugar 419
tamping 420
tennis racquet 403
tool 423
tool, linemen's 424
trainmen's 424a
traveling 15915
uniform 376
valve 425
valve lime 425a
& bagging 426
Bail making machinery..7714a
Bails, hoisting 428
Bailwoods, pail 429
Bait boxes (see boxes, fishing, tackle) 1229
fishing 430
Bake oven castings 2150
oven tile 15573
Bakelite 431
dies 3750a
molding presses 431a
presses 11479a
Bakers, potato 432
wire mill 433
Bakers' brushes 1518
gas stoves 14400
machinery 7715
molds 9898
oven builders 10422
oven doors 3910
oven fittings 4796
scrapers ....13098 & 13105
sifters, (see sifters, flour) 13628
shovels 13581
trucks (see trucks, laundry) 16027
wagons 16556
Baking burners 1683
dishes 3846a
enamels 4306
furnaces, wire 5134
glassware 5491a
ovens, core 10425
ovens 10429
pans .....10606 & 12537
powder mixers 9869
varnishes 16445
Balance lever valves....16275
scales (see balances, spring) 436
valves 16274
Balanced, float valves ..16274a
lever valves 16275
Balances, assay & analytical 435
bullion (see balances, assay & analytical). 435
druggists (see scales, druggists & chemists) 13026
jewelers' (see balances, assay & analytical).. 435
pulp 435a
sash 12914
spring 436
Balancing machinery, knife 7717
machinery, pulley 7716
machines, knife 7717
tools 15702
Balata 437
belting 736
Balcony clothes dryers..2757
Bale bands, metal 497
breakers 15000
buckles 1617
hooks 6330
tie fasteners 4543
tie machines 7718
ties 15558
& box bands 490a
Baled shavings 13401
Balers, paper (see presses, baling, paper) 11484a

No.

Balers, sack 438
Baling press packing...10450a
presses 11484
presses, barrel heading 11480
presses, broom corn...11481
presses, cotton & wool 11481a
presses, excelsior 11484
presses, metal scrap..11482
presses, paper 11482a
presses, waste 11483
Ball beaded moldings ..9894d
bearing automobile hubs 6488
bearing axles 16824
bearing butts 1746a
bearing car wheels...16767
bearing drawer rollers 12616
bearing hangers 5906
bearing hinges, steel butt 6084c
bearing jacks 6769a
bearing polishing lathes 7260
bearing pulleys 11727a
bearing shaft hangers 5908
bearing turntables ..16173a
bearing wheels 16759
bearing wheels & axles 16824
bearings 668
blue 440
cock connection screws 13182
cocks 2799
cotton (see thread cotton) 15535
cranks 3391
cups 3493
end valves 16278
grinding machines 8393
joint unions 16229b
joints 6830
mill balls 445
mill for wet grinding.. 44a
mills 9761
mills liners 7461
mills, linings 7463d
mills, porcelain 9760
retainers 12385
squeezers, puddle 14078a
stock valves 16277
turning lathes 7307
turning machines 7719
valve pumps 11805
valve seats 16256
vises 16511
winders 15472
winding machines ...15001
wire, steel 16990
Ballast, cars 1997
forks 4963
loaders & unloaders .. 441
pumps 11806
railroad (see stone, crushed) 14337
Balling machines 15002
machines, twine ..15443
Balloon cloth 2744b
forms 4985a
Balloons, rubber 441a
& dirigibles 442
Ballot boxes 1193
Balloting balls 445a
Balls, agricultural 443
aluminum 444
ball mill 445
balloting 445a
basket 458
bearing 668
billiard 446
bowling 447
brass 448
bronze (see balls, brass) 448
burnishing (see balls, tumbling barrel) ... 480
cabinet lock 450
cast iron 451
caster 452
cement mill 453
copper 454
croquet 455
darning 455a
fall line 456
flag pole 457
flue 468
foot 458
fuller 12785
glass 460
golf 461
grille 461a
hand, for hand ball courts 462
hinge 463
hollow 464
kominuter 464a
lithographic 464b
massage 464c
monel metal 464d
moth 465
ox 466
phosphor bronze 467
pipe & flue 468
platinum-iridium 11156
polishing (see balls, steel, for polishing, etc.) 475
polo 469

No.

Balls, pool 446
porcelain 470
roller skate 471
rubber 472
steel 473
steel, for polishing & burnishing 475
stoneware, hollow 475a
tank 476
tea 477
tennis 478
tin 479
tumbling barrel 480
vacuum cleaner 481
valve 482
valve, rubber 16252
wood 483
zinc 484
Balusters 485
Balustrades & railings.. 485a
Bamboo 486
brooms 1500
furniture 5137
Banana knives 6926
liquids 486a
oils 10280b
Bankers' envelopes 4422c
Band buckles (see buckles, back band).1616
building machines.....7719a
chains 2298
cutter knives 6928
cutters for threshers..13282
cutting machines, rubber 8961
folding & cutting machines 15003
instruments (see instruments, musical).6632
knives 6927
Band iron 6712
iron brake 1350
iron, soft annealed.... 486b
re-sawing machines ..7720
rings 12432
saw blades 12928
saw brazing machines.7873
saw filing & setting machines 7721
saw grinders 5608
saw mills 12936
saw patch machines ..7722
saw setting machines..7721
saw sharpening machines 9021
saw solder 13865
saw vises 16512
saw wire, steel 16991
sawing machines for metal 7723
sawing machines for wood 7724
saws 12953
saws, flexible back....12930
sprue sawing machines 7725
steel 6712
tension scales 15360
wheel grinders 5608a
& hack saw steel wire 16991
& rip-saw boring & spoke tenoning machines, combined ..7726
Bandage splitting & rolling machines 15004
(surgeons') cutting machines 7727
Bandages, surgical, cotton (see gauze, surgical) 5355
surgical rubber 487
Bandana handkerchiefs.5809
Banding, braided 488
brake, for automobiles 1351
cotton 489
machines 15005
machines, armature....7689
machines, hub 7727a
presses 11486
spindle 15393
& stripping presses hydraulic combined ..11567
Bands, back 367
boom 490
box 502
box & bale 490a
brake 491
brass 492
brush 493
fly wheel 493a
hose (see clamps, hose) 2589
hosiery 15207
hub 494
iron 6712
kiln 495
metal bale 497
mud 501
neck yoke (see irons, neck yoke).....6737
pipe & tank 498
pole (see straps, pole).14462
polishing 499
projectile 499a
rim 494
rubber 500
sand 501
saw rubber 12794
shingle 502
shook 502
spindle hook 15393

No.
Bands, steel 6712
tank 498
truck, rubber 15991
trunk 172
welded steel 6425
wrist, husking 17111
Bank cages 1788a
counter screens 13129
fixtures (see store & bar fixtures) 14387
fixtures, metallic 505
locks 7562
messengers' wallets ..16611
note paper 10624
pins (see pins, brass).10892
railing spring hinges..6124
railings 506
vaults 504
wire work 17014
Bankers' cases 2109b
safety paper 10625
Banks, savings 507
toy (see banks, savings) 507
Banners (see flags mfrs.).4837
Bar, bell 508
bending machines 7727a1
brass 509
bronze 509
clamps (see clamps, carpenters' adjustable screw, etc.) 2568
copper 3171
cutter, punching & shearing machines, combined 3892
cutters 3532a
cutting machines 7727b
Bar drawing machines...8943
iron cutters 3566
iron limit gauges (see gauges, limit) 5297
lead 7334
lead molds 9899
mills 9762
mills, iron 6691
mills, steel 14201
pliers 11160a
pointing machines 7728
rolls 12653
room furniture (see store furniture & fixtures) 14387
screens 13130
shears 13411
solder 13865a
staples 14164
steel racks 12054
straightening machines 9216
tin 15605
twisting machines 7729
Baragraphs, airplane .. 521a
Barbed nails 10044
wire 16901
wire carriers 1979
Barbers' chairs 2392
furniture 5138
hair clippers 2701
poles 11359
rubber bibs 796
Barbing machines, wire.9419
machines, wire nail....9433
Barge bolts (see bolts, drift) 1072
builders 511
builders, concrete 511a
derricks 3700
Barium 512
acetate 512a
bromide 512b
carbonate 512c
chlorate 512d
chloride 513
chloride furnaces 5051
cyanide 514
fluoride 514a
hydrate 515
nitrate 516
peroxide 517
salts 517a
sulphate 518
sulphide 519
sulphocyanide 519a
Bark cutting machines..7720
extracts 4510
grinder knives 7058
mangrove 520
mills 9763
soap 12804
spud handles 5814
spuds 14057
Barking drums (see wood barking machines) ..9453
machines, pulp wood (see wood barking machines) 9453
machines wood 9453
spades 13894
Barley crushers 3450
extractors 4494
graders 5548
machinery 7731
mills 9764
pearling machinery ..7731a
separators 13288
Barn cupolas 3487
door bolts 1071
door hangers 3891
door latches 7284
door locks 7567
Barn door rails 12118
door rollers 12611
door stay rollers 12612
equipments, sanitary .. 521
ventilators 16481
Barney cars 1998
Barographs & barometers 521a
Barometer scales 13055
tubes 16066a
Barometers 522
aeroplane 521a
Barometric condensers ..2998
Barrel bolts 1071
bolt builders 1054a
boring machines 7813
branding machines ..7869
bung fasteners 1656a
bungs 1657a
carts 2094
cleats 2682a
covers 3316
elevators 4255
fillers 4703
head planers 11015
headers 5977
heading baling presses 11480
heaters 6019
hooks 6306
hoop driving machines.7732
hoop machinery (see hoop machinery)....8457
keg, stave & heading machinery 7733
lathes 7256
levelling machines 7734
linings, elastic paper..7463e
Barrel machine knives...6929
machinery 7732
nails 10046
packers (see packing machines) 8637
paints 10533
plugs, steel 11235a
pumps 11807
racks 12054a
rivets 12499
saws (see saws, cylinder) 12970
scales 13043
scrubbing machine brushes 1519
setting-up forms 4986
spray pumps 11940
staves saws 12954
steamers 14191
swings 14559
trucks 16000
trucks, steel 16002
trussing machines 7735
washing machines ...7736
windlasses 16862
Barrels, amalgam 525
amalgamating 140
bilge 536
burnishing 523a
candy miniature 523b
chlorinating 524
clean-up 525
cyanide 527
fibre 527a
galvanizing 531
gasoline underground storage 528
gun & rifle 528a
japanning 529
oil 530
plating 531
sand blast, revolving.12891b
second-hand 533
sheet steel shop..... 534
steam drying 535
steel shipping 536
steel, tin lined..... 537
sugar 537a
tack 537b
tumbling or rumbling. 538
tumbling, sand blast.. 539
tumbling, steel ball... 540
wire-thrashing 541
wood, miniature..... 542
wooden (see cooperage stock) 3168
working 543
Barriers, stone, for electrical power & substations 543a
Barrow, trays, steel....15917a
wheels 16760
Barrows, baggage & express 544
brick 545
charging, furnace 550
coke 546
concrete 547
contractors' (see barrows, various kinds)
folding, steel frame... 548
foundry 549
furnace charging 550
garden 551
hand 551a
locomotive coal station 552
mortar 547
ore 553
pig iron 553
steel tray 554
steel tubular 555
Barrows, stone 556
track 557
wooden 558
Bars, angle..... 559
arch 560
boring 561
brass 561a
bronze 561a
capstan 562
carpenters' 563
casket 563a
chrome nickel steel...14202
claw (see crow bar mfrs.) 3440
clothes 564
commutator 565
concrete iron reinforcing 2992
copper 565a
cored 565b
cross, for goosenecks..3438
crow 3440
Delta metal 3690
digging (see crow bar mfrs.) 3440
draw 566
extension 567
eye 568
finished steel.....14203
glass 15191
gold platers 570
grate 5575
grizzly 571
hammock 571a
handle 572
hop & post..... 573
iron 574
iron, mills 6691
lining & tamping.....3440
low phosphorous melting 575
melting 575
merchant steel 575a
metallic sash.....9683
mine spike.....3440
mower cutter..... 576
muck, iron 6699
nickel steel 14204
pinch 577
push 578
quarry 579
ripping 563
roll, paper mill engine.12605
sash, metallic.....9683
sash, wood & metal combined 12915
shackle 580
shutter 582
silver platers'..... 570
sine 582a
slate 582b
solid 565b
splice 583
spool 583a
steel 583b
steel, chrome nickel...14202
steel, finished.....14203
steel merchant 575a
steel, mills 14201
steel, nickel.....14204
steel sheet.....14245
steel, vanadium.....14205
swage 584
switch, hard fibre.....14563
tamp, mining..... 585
tamping 3440
tie, sub switch.....15557
tin plate.....15610
towel 587
towel, plate glass.....15823
transom (see metallic sash bars).....9683
trapeze 588
U steel.....14273
vanadium steel.....14205
wood 589
wrecking (see bars, carpenters', etc)..... 563
yellow metal..... 590
Barytes 591
Bascule bridge machinery7884
bridges 1474
Base felts, lamp.....4623a
head & corner blocks..3231
knobs 7064b
para aminophenol....10739a1
plates 11058
toluidine 15661b
Baseball base plates..... 592
bats 646
body protectors..... 593
gloves 5506
mfrs. 594
masks 9597
shoe plates 11059
shoes 13553
uniforms 16227
Basement windows, all metal 16880a
Bases, battery cut-out... 595
hood, laboratory 595b
incandescent lamp..... 596
iron, cast 595a
loving cup 596a
oil cup..... 597
porch column 598
post & caps.....11393
switch 599
Bases, trolley 600
Y 600a
Basic colors.....2588a
Basin clamps.....2556
cocks 2800
faucets (see cocks, basin) 2800
plugs 11209
stoppers 14365
traps (bath & basin).15886
traps (catch basin)..15890
wrenches 17056
Basins, catch..... 601
wash 602
Basket ball goals.....5523
balls 458
catches, fancy.....2208
handles 5814a
hooks 6331
machinery 7737
nails 10045
tacks 14680
trucks 16003
type evaporators 4440d
washers 16624
Baskets, automobile..... 612
burnishing, acid proof. 602a
centrifugal 602b
clothes 603
coal, etc..... 604.
counter display..... 605
delivery (see packages, fruit & vegetable) 10442
dipping 607
fibre 613
flower 608
Baskets, fruit (see packages, fruit & vegetable) 10442
frying 609
galvanized steel 610
market (see packages, fruit & vegetable)..10442
market, wooden..... 623
mill 613
peach (see packages, fruit & vegetable)..10442
potato (see packages, fruit & vegetable)..10442
rawhide 614
refrigerator 615
satchel 616
sheet steel..... 617
split 621
stave 618
ticker 618a
towel 618b
type evaporators 4440d
waste paper..... 619
willow 621
willow, trout..... 620
wire 622
wooden market..... 623
Basofor 624
Bass fibre brooms.....1501
Basseville marble.....9562
Basswood 7651
boxes 1194
Basting spoons.....13955
Bat bags..... 376
Batch conveyors.....3092
kneaders 6920
mixing plants..... 626
warmers 16615a
Bate, tanners 626a
Bath boilers.....1018a
brushes 1520
cabinets, thermal, etc.. 627
canners, hot water (see canning apparatus)..1829b
cocks 2801
curtains, rubber.....3512
curtains, shower.....3512a
doors, shower 3949
oil tempering..... 628
overflows 16665
plugs 11209
room cabinets, metal..1751
room fixtures and furnishings 630
room mirrors 9848
scales 13013
shower valves.....16390
sprays, rubber.....13981
stoppers 14365
supply & waste fittings.4797
traps 15886
tub enamels.....4307
tub seats.....13260
tubs, ceramic..... 636
tubs, copper..... 631
tubs, enameled iron.... 632
tubs, folding..... 633
tubs, galvanized steel, enameled 634
tubs, infants' 635
tubs, porcelain..... 636
tubs, sheet steel..... 637
tubs, slate (see laundry tubs, slate).....7321
tubs, tin 638
waste 16665
water heaters.....6054
Bathing caps.....1889
suit mfrs..... 639
Baths, blotter..... 640
copying cloth..... 640
electric light..... 641

INDEX

INDEX

No.

Baths, needle & shower.. 642
plunge & shower, for ships 643
portable shower..... 644
tinning 645
Bats, baseball..... 646
Battens, metallic..... 647
Batteries, automobile 650 & 654
blasting 648
closed circuit..... 653
diffusion 649
dry 650
dry, cell blasting..... 650a
flashlight 650b
ignition 651
medical 652
open & closed circuit. 653
radio A 653a
radio B 653b
stamp (see mills, stamp) 9824
storage 654
wet 654a
Battery accessories 655
acid 21d
boxes for automobiles. 1195
carbons 1956
charging apparatus (see charging sets, storage battery) 2421a
charging motor generators 9954a
charging plugs..... 11244a
charging receptables.. 11244a
Battery charging rheostats 12396
chemicals 2438a
compounds (see chemicals, battery) 2438a
connectors 3032
coppers 3191
cut-out bases..... 595
cut-outs 3525
gauges (see ammeters & voltmeters) 145
holders 6219
jar covers 3317
jars, glass 6807
jars, rubber 6808
jars, vitrified 6809
lamps 7156
motor fans 4526
motors 9962
plates 11060
separators 13288a
storage trucks 16047
switches 14575
terminals, storage ... 14960
voltmeters 16544a
zincs 17143
Batting, cotton..... 3248
cages 1789
jute 656
wool 657
Bauxite 658
ores 10377
Bayberry wax 16696
Bayonet miniature electric lamp sockets... 13830a
Bead chains 2299
Beaders, flue 659
Beading hammers, pneumatic 11263
machines 7737a
machines, can 7921
machines, eave trough, cornice, etc 7738
tools 15703
& crimping machines.. 8159
& flanging machines, can 7922
Beads, plasterers' steel corner 11044
wood 659a
Beakers, glass, chemical laboratory, etc 659b
porcelain 659c
Beam calipers 1806
carts 2100
clamps 2557
coping machines..... 7739
heads, pressed steel... 660
hooks 6307
punches 11980
scales 13014
shears 13412
straightening machines. 7740
straps, electric 14451
Beaman & Smith holder taps 14844
Beamers 15006
Beaming rathes 15007
Beams, brake 1352
cultivator 661
I, steel 14193
plow, steel 11173
plow, wood 11174
pressed steel, with steel barrels 662
steel (see steel structural mills) 14267
Bean canners (see canned goods) 1829
cleaners 2645
cultivators 3476
harvester attachments 276
harvester knives 6930
harvesters 5959
hullers 6495

No.

Bean pickers 10844
planters 11027
pots 11424
rakes 12134
separators 13289
snippers 13800
sorters 13886
threshers 15546
Beans, canned (see canned goods)..... 1829
Bear traps 15887
Bearing balls..... 473
butts, ball 1746a
metal castings 2150a
parts, roller 663
scrapers 13099
Bearings, aeroplane 663a
agate 664
angular contact 665
annular 666
anti-friction 366
armature 667
automobile, crankshaft. 667b
automobile, die cast... 667a
axle 667
babbitt lined..... 667c
ball 668
bronze metal..... 669
bunting, bronze..... 669a
car journal 679
collar oiling 670
Bearings, combined radial & thrust 671
common flat box..... 672
die cast 673
drop hanger..... 674
electrical 675
farm tractor..... 675ba
for automobile axles, transmission, etc..... 675a
for automobile magnetos & starters..... 675b
for machine & machine tools 675c
for orphan cars 675d
graphite 676
hanger parts..... 677
hard fibre (see fibre, hard) 4680
high speed 678
journal 679
lead lined..... 680
Lumen bronze..... 681
machine drawn 681b
metal, general line, die cast 681a
mill 681c
motor 675
oilless 682
pillow block..... 683
post 685
post hanger..... 686
radial 687
ring oiling..... 688
roller 689
self-oiling 690
shaft hanger..... 691
side 692
spiral conveyor..... 693
steel mill (see bearings, mill)..... 681a
step 693a
take up..... 694
textile machy. 694a
thrust 695
tractor 695a
tractor, farm 675ba
wood 695b
Beater paddles..... 10431
rolls 12654
Beaters, carpet..... 696
cream 697
cream, dover type 697a
egg 697
egg, dover type..... 697a
isinglass 698
rug 696
Beating engines..... 4350
Beck irons..... 6720
Beckets (see grommets, metal) 5679
Becks, dye..... 15142
Bed casters..... 2141
clamps 2558
hinges, lounge..... 6084d
pans 10585
plates, paper mill engine 12605
screws 13183
side tables 14640
spring machinery, woven wire 9489
springs 13996
Beds, billiard table slate. 809
hospital 699
rubbing stone, slate, etc. 12800
wall 700
Bedstead angles, steel... 14206
fasteners 4544
mfrs., brass or iron... 701
trimmings 15955
tubing 16092
Bee hive frames..... 5002a
hive springs..... 13997
keepers' supplies..... 702
smokers 13791
Beef (see meat packers) 9655

No.

Beef casing cleaning machines 8446
hoists 6170
& bacon slicing machines 7741
Beer boxes..... 1196
case hinges 6085
case locks..... 7527
cocks 2798
coolers 3152
faucets 4578
filters 4729
keg washer rings..... 12433
mugs 10032
pumps 11799
steins 14281
tubing (see tubing rubber) 16113
Beeswax 703
candles 1818
Beet canners..... 1829
cultivators 3477
diggers 3811
lifters 7414
planters 11028
planting drills 4013
plows 11180
pullers 11708
pulp dryers 4110
pulp presses 11487
seeders 13273
sugar machinery..... 7743
Beet sugar plant construction 14511
sugar presses (see beet sugar machinery)..... 7743
sugar syrup tanks .. 14733
topper knives 6931
washing & slicing machines 7744
Beetle machines 7745
post rings 12434
Beetles (see mallets, wooden) 9523
Belaying pins 10888
Bell centering tools... 15704
cord connectors (see connectors, wire)..... 3039
cord couplings 3283
cord pulleys 11723
cord splicers 13939
cords, leather 3200
dies 3750b
dog collar (see bells, toy) 719a
founders 705
handles 5814b
hangers' bits (see drills & bits, electricians') 4075
ringers 12425
ringers, locomotive... 7571
ringing transformers. 15865
ship 717d
towers (see tanks & towers, steel) 14825
traps 15888
valves 16278
wire gong 16940a
Bellows, blacksmiths', molders', etc. 706
brass & wood..... 707
Bells, altar 708
automobile & bicycle. 709
cable end (see pot-heads & sleeves) .. 11420
call 710
car 720
chime 711
church 711
cow 712
dinner 717
door 713
electric 714
engine 715
factory (see bells, church) 711
farm 711
fire 711
fog 716
furnace 6432
hand 717
highway crossing (see signals, railway crossing) 13652
house 713
light house (see bells, fog) 716
locomotive (see bells, engine) 715
school 711
sheep 712
ship 717a
sleigh 718
telephone 719
toy 719a
watertight 16692b
& gongs, car, etc..... 720
& gongs, unmounted.. 721
Belt awls 335
bolts 1055
buckles 1618
carriers (see conveyors, belt) 3093
cement, waterproof.... 2237a
cements 2243
chisels 2462
chopping machines..... 7746
clamps 2559
cleaning & rebuilding.. 722

No.

Belt conveyor idlers..... 6527
conveyor pulleys 11728a
conveyor rolls 12655
conveyor trippers & appliances 723
couplings 3284
couplings, round 723a
cutting machines 7747
dressing 724
drive chains, noiseless. 2358
drive "Lenix" korap... 7083
driven hammers 5747
driven pumps..... 11803
eye trimming machinery (see belt maker's machinery) 7750
fasteners 725
filling 726
finishing machines.... 7748
folding machines..... 7749
groovers 5680
guards 5708
guides 5710
hoists 6171
hole guards..... 15003
hooks (see belt fasteners) 725
knives 6932
lacing 727
lacing machines..... 728
lacing needles..... 10108a
Belt, linemen's tool..... 729
makers' machinery.... 7750
makers' planes 11022
making machinery, rubber 8962
plates (see belt fasteners) 725
pliers 11161
power bending rolls.. 12656
power elevators..... 4270
preservatives 724
punches, drive..... 11981
punches, revolving.... 11982
rebuilding 722
reels 12257
rivets 12500
sanders 12911a
sanding machines..... 7751
scarfing machines..... 7752
shifters 730
slitting machines (rubber belt)..... 8963
stitching machinery... 7753
strapping machines.... 7754
stretching machines... 7755
stretching machines (rubber belt)..... 8964
stripping machines.... 7757
studs 725
tighteners 731
trippers 15971
webbing 732
Belted ceiling fans..... 4527
& direct connected engines 4361
Belting butts, leather.... 733
duck 4150b
mfrs. 734
mfrs., acid proof..... 735
mfrs., angular..... 734
mfrs., asbestos..... 735a
mfrs., axle generator.. 735b
mfrs. balata..... 736
mfrs., canvas, rawhide center 738
mfrs., canvas stitched. 739
mfrs., chain link..... 740
mfrs., conveyor..... 741
mfrs., cotton (solid cotton) 751
mfrs., detachable chain 742
mfrs, elevator 743
mfrs., fan (see belts, automobile) 755
mfrs., leather (see belting mfrs.)..... 734
mfrs., leather link..... 744
mfrs., perforated..... 747
mfrs., rawhide..... 748
mfrs., rope..... 749
mfrs., round or twist.. 750
mfrs., rubber (see belting mfrs.) 734
mfrs., solid cotton..... 751
mfrs., stone elevator... 751a
mfrs., thresher..... 752
mfrs., transmission ... 752a
mfrs., twist..... 750
mfrs., waterproof..... 753
mfrs., wire (see belts, automobile) 755
mfrs., woven leather... 754
presses 11489
repairing riveters..... 12495
silent chain 750a
spools 13948
twist 750
Belts, automobile..... 755
car lighting..... 755a
cartridge 756
coiled (see belts, wire automobile) 755
conveyor (see belting mfrs. conveyor)..... 741
linemen's 758
polishing 759
sandpaper 760
"V" 761

No.
Belts, vanner 761a
wire, automobile..... 755
Bench anvils..... 195
brushes (see brushes, platers, polishers, etc.)1556
(also duster mfrs.) 4172
centers 2273
dogs 3868
drawers, steel.....3990
drilling machines.....8217
drop hammers 5749
filing machines.....8302
forge, furnaces 5051a
grinders 5609
hack saws 12978
hooks 6308
knives 6933
lathe countershafts....8374
lathes 7257
legs 7372
milling machines.....8597
molders' rotary rappers 12775
planing machines.....8802
presses 11490
punches 11983
screws 13184
shears 13413
stops 14374
Bench tables 14641
tapping machines.....9255
vises 16513
Benches, cabinetmakers'. 764
cutting 765
draw 766
gas retort..... 767
machinists' work..... 768
manual training..... 769
molders' 771
movable & stationary, steel 772
patternmakers' 764
piano 773
portable 774
saw 12927
wash folding 775
wire drawing (see wire drawing machinery). 777
Benders, angle & eye, hand power..... 777
conduit 773
glass 5438
hook & eye..... 779
lead pipe 780
rail 781
reinforcing bar..... 782
ring (see benders, angle & eye, hand power) 777
tire 783
Bending boxes.....1197
dies 3751
machines 7758
machines, angle 7679a
machines, bar 7727a1
machines, concrete reinforcing bar (see benders, reinforcing bar) 782
machines, coupling....8142
machines, eye.....8284
machines, hand.....8417
machines, hydraulic...7759
machines, keel plate, hydraulic 8501
machines, pipe.....8788
machines, rim 8917
machines, splice 7760
machines, tube.....7761
machines, wood.....9454
or bulldozer machines.7897
pins 10339
presses 11491
rolls, hand & belt power 12656
& forming machines...8335
& straightening machines, rail.....8899
& straightening rolls.12657
& truing rolls, hub band 12677
Bendings, wood..... 784
Bends, lead.....7346
leather 7359
pipe 10929
return 785
water closet..... 786
Benedict nickel..... 787
nickel lighting fixtures 7435b
nickel metals 9687
Bent boiler tubes.....16067a
hounds 6479
tubing 16121
wood 17025
Benzaldehyde 788
Benzidine 788a
Benzine 789
cans 1857
cans, safety 1857
soldering iron & blow torch combined....13876
stills 14316
substitute 790
Benzoate ammonia 148a
lithium 7497a
napthyl, beta.....10105a
of soda 791
Benzoates 791a
Benzoic acid 22
Benzoin, gum.....5717b
Benzol 791b
chloride 792a
dyers 4140a
recovery apparatus.... 791c
refiners 792
Benzyl, acetate 792b
alcohol 792c
chloride 792d
Berry baskets (see packages, fruit & vegetable) 10442
box machinery.....7762
boxes (see packages, fruit & vegetable)..10442
canners (see canned goods) 1829
Berths, outdoor sleeping 13757
& bunks, metallic.... 793
Beryllium 793a
nitrate 793b
silicate 793c
Bessemer converters 3076
coppered rods.....12544
plant ladles.....7133
rods 12543a
Beta, benzoate naphthyl.10105a
napthol sulphuric acid.. 21e
naphthylamine 10105b
Betanaphthol 794
apparatus 794a
Bevel gear planers.....11015a
gear tempering machines 7763
gears 5372b
pinions 10879b
sawing machines.....7765
squares 14063
Bevelers, glass.....5439
Beveling machines.....7766
machines, glass.....8367a
machines, photo mount.8767
machines, photograph card 8768
punching & trimming machines 8872
shears 13414
Bevels 795
Bias fabric strip machinery 7767
Bibb discs 3330a
flanges 4840
nose cocks.....2802
re-seating machines....8289
screws 13185
seat dressers.....3996
& bibb seat reamers.12183
Bibbs, self-closing.....2850
Bibcock washers.....16625
Bibs, barbers' rubber.... 796
Bible paper.....10626
Bicarbonate ammonium. 149
of potash (see potassium bicarbonate)...11414
of soda 797
sodium 13854b
Bichloride mercury, corrosive sublimate.....9663c
of tin.....15605a
Bichromate ammonia ... 149a
of potash (see potassium bichromate)...11415
of potassium.....11415
sodium 13854c
Bicycle bells..... 709
bolts 1056
chain presses 11608
chains 2300
frame parts 798
grips 5667a
handles 5814c
horns (see horns, automobile) 6433
hubs 6490
inner tubes.....16079
lamps 7157
lanterns 7221
locks 7528
mfrs. 799
nippers 10132
nuts 10189
oils 10281
parts & sundries..... 800
pedals 10779
pumps (see pumps, air tire) 11796
racks (see stands, bicycle) 14146
rims 12418
saddles 12845
screws 13186
spoke threading machines 9298
spokes 13944
springs 13997a
sprockets 14055
stands 14146
sundries 800
tire valves.....16279
tubing 16094
vises 16514
wrenches 17057
Bicycles, juvenile..... 800a
Bidets 801
Bifluoride, ammonia..... 150
sodium 13854d
Bifurcated clinch rivets.12507
Bifurcating machines....7769
Bilge barrels..... 536
pumps 11809
saws 12955
syphons 14627a
Bill file hooks.....6309
files 4693
posters' bags..... 377
posters' handles.....5814d
posters' tacks.....14678
straps 14452
Billet cars.....1999
heating furnaces.....5052
mills 9765
piercing machines.....7770
pliers 11160a
rotating mechanism....801a
shears 13415
Billets, chrome steel..... 804
forging 805
iron 803
manganese bronze..... 806
nickel steel..... 807
steel 802
vanadium steel..... 803
wood 807a
Billiard balls..... 446
chalk 2405
cue cements 2244
cue locks.....7529
cues 3471
table beds, slate..... 809
table bolts.....1057
table brushes.....1522
table cloth.....2745
table cushions.....3514
table hardware 5923
tables 14642
Billies, policemen's..... 810
Billing typewriters.....16217
Billow atomizers..... 271
Bin gates.....5217a
Binder attachments for headers 277
for threshers 278
chains 2301
concrete 2979
implement & stack covers 3319
metal parts.....7612a
rings 12435
trucks 16004
twine 16191
Binders, core (see compounds, core).....2933
corn 811
flax, attachments for.. 286
lath 7245
loose leaf 813
lumber load 812
rice 814
road 12530
& harvesters grain.....5966
& headers, trucks.....16004
board presses.....11493
boards 964
box, wire 16901a
carpet 815
oil cloth..... 815a
posts 11397
posts, radio 815b
& gimps, automobile & furniture 816
Binnacles 817
Binocular lenses (see lenses, optical).....7385d
Binoculars 818
Binoxalate, potassium..11415a
Bins, ash..... 818a
cement 820
coal 820
coke 820
concrete 818b
flour 818c
grain 820
measuring device, road storage, &.....12535a
nail 819
ore 820
steel 820
steel factory..... 821
stone 821a
Biological stains 14094c
Bird cage brackets.....1325
cage hooks.....6310
cage knobs.....7064c
cage perches.....10813a
cage springs.....13998
cage stands 14147
cage tops.....15793a
cages 1790
gravel 5587
Biscuit box machinery, sheet metal.....8148
machinery 8149
Biscuits, dog..... 822
Bismark, brown 823
Bismuth 824
ores 10378
nitrate 824a
oxide 824b
salts 824c
solder (see alloys, fusible) 122b
subcarbonate 824d
subgallate 824e
subnitrate 824f
subsalicylate 825
Bisulphate of soda (see sodium bisulphate)..13854f
Bisulphide of carbon (see carbon bi-sulphide) 1937
Bisulphite of soda (see sodium bisulphite)..13854g
sodium 13854g
Bit brace chucks.....2506
brace dies.....3751a
brace handles 5814e
brace holders.....6220
brace reamers.....12184
brace taps 14845
brace wrenches (see wrenches, brace socket) 17059
braces 826
gauges 5253
handles, malleable iron.5814f
knives, marble cutter..7003
stock angular 827
stock reamers.....12185
Bit stock twist drills.....4071
stops 14375
Bitartrate potassium (see cream tartar) 3415
Bits, auger..... 828
auger, special..... 829
bell hangers' (see drills & bits, electricians').4075
bridle 830
core 831
countersink (see countersinks) 3276
dowel 837
drilling, rail 839
electricians' 4075
expansive 832
gimlet 833
hollow chisel 834
horse (see bits, bridle) 830
hub boring 835
machine, mining..... 836
machine, wood..... 837
mortising 837a
nod 838
rail drilling 839
reamer (see reamers, bit brace) 12184
router 834
screw driver..... 840
tapping 842
tong 843
tool holder..... 844
wood boring (see bits, machine, wood)..... 837
& bollards 844a
Bitumen importers..... 845
Bituminous material spraying machines (see road oilers & distributors) 12533
Black, acid..... 22a
bone 1132
carbon 1938
chrome 2496
coated paper.....10628
diamonds 1937a
drop 4089
dryers, bone 4110a
granite 5556
hypo 851
iron 852
iron sheets.....6715
ivory 6759
lamp 7139
lead 853
lead nozzles.....10178
oils 10281a
paper 10627
plates for tinning..... 854
prints 963
revolver powder (see gunpowder) 11454
rifle powder (see gunpowder) 11454
shotgun powder (see gunpowder) 11454
sporting powder (see gunpowder) 11454
steel rods.....12545
steel sheets.....6715
varnishes 16446
& blue printing..... 963
& blue prints & papers 963
Blackboard coating 2787a
compasses 2915
erasers 4432
paints 10535
pointers 11334
surfacing material.... 847
Blackboards, composition 848
silicate 849
slate 850
Blacking cases.....2110
harness oil.....4000
leather 856
machines, leather 8526
stove (see stove polish) 14394
swab sprayers 13977a
Blackings, shoe.....13544
Blacksmiths' anvils, cast iron 196
anvils, imported..... 197
anvils, steel 198
anvils, wrought..... 199
bellows 706
butterises 1735

INDEX

INDEX

No.

Blacksmiths' chisels 2467
cones 9534
dies 3752
drilling machines.....8219
drills 4014
foot vises.....16524
gouges 5531
hammers 5769
hammers, foot power..5750
mandrels 9534
nippers 10133
pritchels 11680
punches 11984
rules 12810
taps 14846
tongs 15664
tools 15704a
vises 16515
Bladders, rubber..... 857
Blades, band saw.....12928
burr 15028
cloth cutting machine.. 859
cold saw.....12929
fan, electric ceiling.... 859a
fan, metal..... 860
fan, wood..... 861
fountain 861a
hack saw.....12932
hack saw, flexible back 12930
hack saw, for metal..12931
jig saw.....12928
lawn mower 862
metal shear..... 863
rabble 12052
rolling coulter 864
safety razor..... 865
semaphore signal..... 865a
shoe cutters' extension 866
squaring shear..... 867
tongue 867a
Blanc fixe..... 868
Blanchers, peanut..... 869
Blanching machines.....7773
Blanket holders.....6221
pins 10890
snaps 13794
straps 14465
Blankets, carriage (see robes, carriage)....12538
cotton 870
electric (see heaters, electric) 6035
felt 871
horse & cattle..... 872
mining 873
paper 873a
printers' & lithographers' 874
rubber, hospital..... 875
woolen 876
Blanking dies 3753
machines, mitre 8623
machines, nut.....8656
presses (see presses, power) 11608
& forming, steel sheet.14246
Blanks, bolt 1057a
cartridge 2036
check (see check blanks, brass) 2426
check, brass.....2426
copper & nickel silver.. 878
gear, rawhide 5358
gear, steel.....5359
glass cutters'..... 880
handle 880a
key 881
lens 882
opal, glass.....5459
pinion 882a
pneumatic chisel.....11270a
railroad 12117
talc, insulator & gas burner 14711
thumb nut & screw... 883
Blast blowers 936a
forges 4924
furnace brick 1405
furnace construction .. 885
furnace flux 4911
furnace hoists 6212
furnace linings (see brick, blast furnace) 1405
furnace machinery.....7774
furnace top filling apparatus 884
furnace tops 15794
furnace valves.....16280
furnace & steel works construction 885
furnaces 886
gates 5218
gauges (see gauges, steam) 5330
hole drilling machines..7775
hole drills.....4015
nozzles 10170
sand cars (see sand blast equipment)...12891
sand cabinets.....1764b
sand, apparatus.....12890b
& gas valves 16281
Blasting accessories 887
apparatus 887a
apparatus, electric.....4211
batteries 648
batteries, dry cell..... 650a

Blasting cable reels.....12258
caps .....888 & 1890
caps, electric.....1895
circuit testers 14975
electric 887b
explosives 4488
fuse, caps, etc..... 888
fuse lighters 7431
gelatin 888a
machine testers 14973
machines 7776
mats 9605
paper 10629
powder 889
Blasting supplies 890
wire, leading & connecting (see wire connecting & leading)..16925
Bleach 892
mixers 9861
pots 11424a
Bleaching boilers.....1019
boilers, rotary.....1035
clays (see fullers' earth) 5034
liquors (see bleach)... 892
machines 15010
machines, leather.....8527
oils 10281b
powders 11459
tanks 14734
tubs 16128
Bleeder valves 16282
Blend, zinc 17130b
Blenders, grain..... 895
Blending machinery, flour 8319
machines 7778
Blind adjusters, window 16864
awning fixtures..... 342
catches 2208a
fasteners 4545
hinges 6086
hooks 6310a
machinery 9011
pipe flanges 4840a
roller brackets.....1326
sash & door mfrs.....12919
slat crimping machines 7779
slat sawing machines..7780
slat saws 12956
stitch sewing machines 9058
trimmings 15955a
turnbuckles 16157
wiring machines.....7781
Blinds, inside folding.... 895
inside sliding..... 896
sashes & doors.....12919
Venetian 897
Block chain sprockets..14056
chains 2303
chalk & cliffstone.....2410
culverts, segment.....3483a
hoists 6208
hooks, yacht.....6311
system signals.....13641
system, third rail.....15532
tin 15606
tin pipe.....10930
tin, ribbon.....7349
tin tubing.....16108
tinned, brass & iron valves 16282a
Blocker machines, box 7849
Blocking machines, sole.9157
Blocks, acid proof, for tower packing..... 897a
all kinds..... 898
alphabet, toy 899
anvil 900
asbestos 901
asphalt paving.....10771
brake 901a
broom or brush..... 902
bur, dental 902a
butchers' 903
carbon, welding 1941a
cedar paving (see paving blocks, wood)..10776
corn crib 903a
corner, base & head...3231
creosoted paving (see paving blocks, wood). 10776
crown 3440a
cupola 3486
cutting 904
die 905
die, steel (see die blocks) 905
die, vanadium steel...3741
differential chain..... 906
drill 907
electric fixture..... 908
electrotype 908a
fire clay paving.....10773
furnace 909a
fuse 909
grain tank 909b
granite paving.....10774
hat 910
hollow building..... 911
hollow tile..... 912
keyseating rule..... 914
kindergarten 914a
last 915

Blocks, linemen's pulley. 916
logging 916a
meat (see blocks, butchers') 903
paving, asphalt 10771
paving, fire clay.....10773
paving, granite.....10774
paving, stone.....10775
paving, vitrified.....1466
paving, wood.....10776
pillow 916b
print, oil cloth..... 917
raggle 918
rail 919
Blocks, ribbon 15010a
rotor 921c
segment sewer..... 919a
sewer invert..... 919b
sheave, for derricks... 920
shuttle 15375
silo 921
size 921a
snatch 921b
stator 921c
steel (see blocks, tackle) 924
stiff leg head 922
stone paving.....10775
swage 14550
switch 923
tackle 924
tank (see glass house clay supplies).....5455
tenpin 924a
terminal 925
toy 899
V 925a
vitrified paving.....1466
wire rope..... 926
wood 927
wood paving.....10776
wrecking 928
yacht 929
Blood, albumen..... 108a
dragons' 930
dried 4005
pressure gauges.....5254
Bloom shears.....13415
Blooming mills.....9766
Blooms, charcoal iron.... 931
steel 802
vanadium steel..... 803
Blotter baths..... 640
holders 6222
rockers 12540a
Blotting paper.....10630
Blow boxes, acid.....1198
-case automatic..... 932
-cases 932a
-gun, machine shop & foundry 933
off cocks 2803
-off pipe protectors.... 933a
-off tanks.....14735
-off valves.....16288
-off valves, locomotive.16345a
pipes & brazing apparatus 934
piping 4470
torch & soldering iron combined, benzine..13876
torch & soldering iron combined, gasoline.13877
torches, gas electric..15810b
torches, gasoline.....15812
torches, kerosene....15814
torches, oil electric..15816b
Blower gates (see gates, blast) 5218
mfrs. 935
regulators, electric..12315
Blowers, acid 936
blast 936a
boiler flue 2649
centrifugal pumps.....936b
cupola 936c
cycloidal 937
cyclone 938
electric 939
fan 939a
forge 940
furnace 941
gas (see exhausters, gas) 4478
gas producer..... 941a
hand 942
jet, steam 943
lead 942a
motor driven..... 943
organ 944
piano (see blowers, organ) 944
positive pressure..... 945
powder, rubber..... 946
rotary 947
soot 2649
steam jet..... 948
turbine driven 949
turbo 950
vacuum cleaning..... 951
& exhausters, electric. 952
& feeders, thresher..15544
Blowing engine cylinders.3630
engines 4351
machines, bottle.....7838
machines, glass.....8368
Blown glass shades....13349
Blue acid..... 115b
alkali 116a

Blue annealed iron sheets 6706
annealed steel sheets.14249
ball 440
Chinese 952b
chrome 2496a
cobalt 952c
colors, iron.....2891b
grass harvesters.....5960
insoluble, (see blue, prussian) 11704a
lathed nails, sanitary.10045a
lead 7335
methylene 9742c
milori 952d
powder 953
print cases 956
print cloth 2745a
print coating machines 955
print dryers 960
print filing cabinets... 956
print & special filing cabinets 1756
print lamps 7157a
print paper mfrs.....10631
print papers 963
print rolls.....12658
print trimming tables. 959
print washing & drying machines..... 960
print wringers.....17108
printing machines..... 962
printing requisites..... 962a
prints 963
prussian 962b
soluble 962c
vitriol (see chemicals, battery) 2438a
water gas apparatus..16683
& black printing..... 963
& black prints & papers 963
Blues, laundry (see bluing, laundry) 963a
ultramarine 16221
Bluestone (see copper sulphate) 3185
Bluing boxes 1199
furnaces (see furnaces heat treating) 5082
laundry 963a
machines 15011
pegs 10784a
Board buffers 1626
drop hammers.....5751
dryers 15127a
fuller (see press board) 11468
matcher cutters.....3533
Boarding machines, hosiery, automatic 15207a
Boards, artificial (see lumber, artificial)....7649
asbestos, panel 963b
binders' 964
boat 989a
box 1185
bread 965
builders 966
bulletin 1650
cake 967
clip 968
cloth 969
compass 15079
counter 969a
cribbage 3428
cutting 970
drawing 971
end gate..... 985
fibre 972
file 968
friction 973
game 973a
gauge 974
glass cutting..... 975
hanger 976
hosiery (see hosiery boards) 15208
ironing 978
insulating (see paper, insulating) 10675
insulating press..... 977
jute 979
leather 980
mat 981
mill 9754
mill, asbestos..... 256
news 982
panel (see switchboards, light & power) 14565
pastry 985
pattern 983
peg 983a
plaster 11035
press 11468
printers' engraving.... 984
punch 984a
running, automobile..12832
shoveling 985
sounding 986
starch 986a
stencil 987
stove 14389
straw 14468
stucco 14498
tar 988
telltale, marine running lights 14933a

No.

Boards, templet (see lumber, templet) 7658
print cars & frames... 954
trunk 989
wall 16605
Boat anchors..... 158
auxiliaries 334a
boards 989a
builders' clamps.....2560
Boat chocks 2491
cleats 2683
cushions 3515
fenders 4642
knees (see ship knees).13542
nails (see spikes, boat)13916c
oars 10227
propellers 11686a
scoops 13071
spikes 13916c
spikes, composition...13917
tanks (see tanks, car).14739
tillers 15599
trimmings 15956
unloading machinery..7782
Boats, cat..... 990
collapsible (see boats & rafts, life)..... 997
combustion 991
folding 992
knocked-down 993
life 997
motor 9951
row 993a
steel 994
stone 995
tow or tug..... 996
& rafts, life..... 997
Bob sled knees (see ship knees) 13542
sleds 13754
Bobbin boxes.....15012
holders 15013
lathes (see spool & bobbin machinery)...9177
machinery 9177
printing machines...15013a
rings 15014
winders 15015
wood 17033
Bobbins 15016
Bobs, plumb.....11245
Bodies, automobile, commercial, metal 1000
automobile, commercial, wood 1001
automobile, passenger, metal 1001b
automobile, passenger, wood 1001c
buggy, steel.....1002
carriage 1002
dumping, automobile..1001a
wagon 1003
Body plugs, carriage...11212b
protectors, baseball.... 593
Bogus paper.....10632
Boiled rawbone.....12172
Boiler alarms, low water 104
arch brick.....1406
arch plates.....11061
baffles (see plates, baffle) 11057
bolts 1058
brace mfrs.....1003
breechings 1398
cap reseating machines 7782
casings, steel.....1003a
castings 1007
circulators 2550
compounds 1004
couplings 3285
coverings 10981
dealers (see machinery dealers) 9500
ejectors & injectors...6602
elbows 4201
feed pumps.....11810
feed regulators (feed, water) 12325
feed valves.....16284
feeders 4599
fittings 4797a
flanges, forged steel....4841
flanges, manhole 4841a
flue cleaners (various kinds) .....2646 to 2652
flue cutters (see cutters, flue).....3554
flue ferrules.....4661
flue heads & manholes, dished & flanged....1006
flue plugs 11210
flue safe ending machines 7784
front cements.....2256
fronts & castings.....1007
grates (see grate bar mfrs.) 5575
handles 5815
head flanging machines (see flanging machines) 8311
heads, flanged & dished 1008
injectors & ejectors...6602
lugs 7643
makers' clamps.....2661a

No.

Boiler makers' hammers (see hammers, heavy) 5769
makers' hammers, pneumatic 11263a
makers' punching machines 8373
makers' screw punches 11985
makers' tools 15705
manholes, flanged 1006
meters 9710
mountings for portable boilers 1011
nipples (see nipples, pipe) 10144
nozzles, flanged, forged steel 10173
oil feeders 4600
oils 10282
patch bolts 1058
patch toggle bolts.....1123
picks 10850
plate clamps.....2561
plate gauges (see gauges, micrometer).5303
plate, iron & Steel.....6713
plate shears.....13422
plates, zinc 17137
purifying apparatus....1012
riveters, pneumatic...11264
rivets .....12500a & 12501
room cars.....2000
room scales (see scales, suspended for boiler rooms).....13053
room scales, suspended 13053
saddles, pressed steel...1013
scaler, pneumatic....11265
setting brick.....1406
settings 1014
shell drills (see drilling machines, boiler)8220
shells, automobile.....1015
skimmers 2651
stands, range.....1016
stay bolts.....1059
stop valves.....16285
taps (see taps, patch bolt) 14865
taps, straight & taper 14847
tees 14891
testing machines.....9270
testing pumps.....11811
thimbles, locomotive.15527a
tile 15573a
tube cleaners (various kinds) .....2646 to 2653
tube cutters (see cutters, flue).....3554
tube safe ends.....12850
tubes 16067
tubes, bent 16067a
turbine cleaners.....2652
wash, handles 5879b
washing systems.....1017
washing & testing apparatus & systems..1017
& engine combined...4330
& pump, combined....11974
Boilers, automobile.....1018
bath 1018a
bleaching 1019
bleaching, rotary.....1035
car heating.....1020
down draft 1020a
egg, automatic.....1021
farm 1023
gas fired 1026
ham 1027
heating 1027a
heating & water supply 1027b
(see also heaters, steam & hot water)
house heating (see heaters, steam & hot water) 6045
internally fired 1027c
locomotive fire box...1028
low pressure (see heaters, steam & hot water) 6045
marine 1029
oil well drilling.....1030
portable, on wheels....1031
power 1031a
range, copper.....1032
range, galvanized iron.1033
return tubular.....1034
rotary bleaching.....1035
Scotch (see boilers, marine) 1029
steam, seamless welded 1037
tractor & truck.....1038
truck & tractor.....1038
tubular 1039
vertical 1040
wash 1041
waste heat 1041a
water tube.....1042
& engines combined...4330
& pumps combined...11974
Boil extractors.....4495
Bollards & bitts..... 844a
Bolster plates.....11062

No.

Bolster springs.....14000
Bolsters, car truck&body.1932
spindle 15392
Bolt cases.....1046
clippers 2699
copper 3171
cutter dies 3754
Bolt cutter hobs.....6149
cutting machines 7785
drivers 4079
ends 4319
forging machines 7786
head trimmers 15942
head trimming machines 7787
header & shoeing vise, combined 1043
heading furnaces.....5052b
heading machines.....7783
lathes 7258
machinery 7793
mfrs. monel metal....1045
nippers, pneumatic...11266
nuts, carriage.....10192a
pointing machines....7789
tapping machines (see nut tapping machines) 8661
threading dies, solid..3755
threading machinery..7790
upsetting machines...7792
& screw cases.....1046
& shield expansion....1047
& support, sash.....12916
Bolters, corn meal.....1048
flour mill.....1049
lath 7249
universal 1050
Bolting cloth.....2748
cloth cleaners.....2653
machines 7795
reels 12259
saw machines.....7796
Bolts 1051-1130a
anchor 1051
automatic 1053
automobile 1053
automobile steering knuckle 1054
barge (see bolts, drift)1072
barn door.....1071
barrel (see bolts, door & window).....1071
barrel builders.....1054a
belt 1055
bicycle 1056
billiard table 1057
blank 1057a
boiler 1058
boiler patch 1053
boiler stay.....1059
brass (naval brass)....1093
brass & copper.....1060
bridge & structural....1061
bronze 1060
bronze (Tobin bronze).1121
car 1062
carriage 1062
chain 1063a
collar 1064
countersunk 1066
coupling 1067
cremone 1067a
cross-arm 1068
crown-bar 1069
cultivator point.....1097
cupboard 1071
deck 1069a
demountable rim 1069b
door, emergency exit 1070
door & window.....1071
drift 1072
duplex twin 1073
elevator 1055
expansion 1074
expansion, brass.....1075
expansion, for concrete work 1076
expansion, single & double 1077
extension 1078
eye 1078a
eye (hook & eye).....1087
finished 1078h
flush 1078c
foot 1078d
forged 1079
foundation 1080
galvanized 1081
garage door.....1082
hanger 1082a
Harvey grip.....1083
heel 1084
hook head.....1086
hook & eye.....1087
hub or wheel.....1087a
insulated suspension...1087b
key 1088
king 1089
lag 1089a
loom 1090
machine 1091
mooring post 1092
naval brass..... 1093
neck 1094
nut & screw ring.....1095
nuts and rivets.....1044
planer head.....1096

No.

Bolts, plow 1097
ring 1099
roof 1061
screw & nut eye.....1100
shackle 1101
shaft 1102
shutter 1104
sink 1105
sleigh shoe.....1106
socket 1107
special 1107a
split 1108
spring 1109
square 1109a
stay 1110
steering knuckle.....1111
step 1111a
stove 1112
strap, wagon box.....1114
structural 1061
stud 1115
swing or eye.....1116
"T" head 1118
tap 1117
thumb 1119
tire 1120
Tobin bronze.....1121
toggle 1122
toggle, boiler patch...1123
track 1124
transmission tower 1124a
transom 1124b
trolley span, wire work 1125
twin, for hollow walls, metal, etc.....16190
"U" 1126
wall plate.....1128
water closet indicator.1129
whiffletree 1130
window 1071
& screws special.....1130a
Bond bags..... 384
boxes 1199a
concrete 2981
paper 10633
Bonding cars.....2001
clamps, rail.....2606
drills, rail 4051
tools, rail.....15769
twist drills 4071a
Bonds, brick (see ties, wall) 15569
rail 12107
Bone ash.....1131
black 1132
black dryers 4110a
black filters.....4731
buttons 1730
charcoal 2420
cutter knives.....6934
cutters 9767
cutters, green 3559b
cuttlefish 3620
dealers 1133
dryers 4124
dust 4169
ground 1134
handles 5816
harness rings.....12453
-meal 1135
mills 9767
steamed 1135a
washers 16626
washing machines.....7797
washing screens.....13137
Bones, cuttlefish.....3620
Boning knives.....6941
Bonnet, brushes.....1522a
catches, automobile (see fasteners, hood).4560b
wire 16901b
Book cases.....1186
casing-in machines....7801
cloth 2747
corner protectors.....11690
coupon 1137a
covering machines.....7802
gathering machines....7803
gluing machines.....7804
indexes 6544
indexing machines.....7805
locks 7530
paper 10634
racks 12055
sawing machines.....7806
sewing machines.....7807
stacks 14090
stacks, fireproof (see library shelving & fittings, metallic) 7407
stitching machines (see wire stitching machines) 9443
tile 15574
Book trimming machines.7808
wrappers, corrugated paper 17046
Bookbacking machines...7798
Bookbinders' brushes.....1523
cloth cutting machines.7799
knives 6935
machinery 7800
presses 11495
stabbing machines.....9186
tools 15706
wire 16902
Bookkeeping machines...7805a
Books, copying, letter....1137
coupon 1137a

INDEX

INDEX

No.
Books, field 1138
Books, level 1139
meter 1140
plumbers' estimate...11249
Boom bands..... 490
foot stops (see eyes, lacing) 4521
swinging gears.....5373
Boomers(see binders' load) 812
Booms, derrick (see masts & spar) 9602
loading 1141
Boosters, electric.....1142
gas 1143
vacuum 1143a
Boot black chairs.....2403
calks 1807
jacks .....1145 & 6770
machinery (see shoe machinery) 9095
nails, wire 10045b
protectors 11691
sewing machines.....9059
trimmings 15956a
waterproofing 16685
Booths, election, steel or wood 4210
moving picture machine 1144
telephone (see telephone cabinet work).14914
Boots, elevator.....1146
felt 1152
horse 1147
hunting 1148
lawn 1147
leather wooden sole...1149
rubber 1153
sewer connection.....1150
steering knuckle.....1151
wool 1154
Bora-phosphate crystal...1157b
Borate, manganese.....9536a
Borax 1155
Bordeaux, ...1155a
chrome 2497
Borders, sheet metal...13468
Borers, bung hole.....1156
cork 1156a
ratchet corner (see bit braces) 826
tap 1157
tap, lead pipe.....12202
Boric acid..... 23
Boring bars..... 561
bars, cylinder (see cylinder boring machines) 7818
bits, hub..... 835
drilling, tapping & milling machines.....7809
drilling & milling machines, combined....7810
drilling & tapping machines, combined....7811
heads 5987
lathes, gun.....7273
lathes, shell 7296a
machine augers (see bits, auger)..... 828
machines, automobile cylinder (see boring machines, cylinder)..7818
machines, barrel.....7812
machines, bracket.....7813
machines, bung.....7899
machines, car.....7966
machines, car-box.....7814
machines, car wheel..7815
machines, condenser head 7816
machines, cylinder.....7818
machines, cylinder chamber 7819
machines for electric wiring 7820
machines, hand.....7821
machines, jig 7822a
machines, locomotive connecting rod.....7823
machines, metal.....7824
machines, metal, horizontal 7825
machines, metal, vertical (see boring & drilling machines, horizontal) 7832
machines, mower frame 7826
machines, pneumatic..8834
machines, portable....7827
machines, post 8843
machines, reaper frame 7826
machines, rod.....7828
machines, valve chamber 7819
machines, wood.....9455
machines, wood, hand power 9456
machines, wood, multiple 9457
machines, wood pipe..9473
machines, wood, pneumatic 11323
mill chucks.....2507
Borings, mills (see boring & turning machines).....7836 & 7837
Borings, tools 15707
tools, expansion.....15725
& chucking machines, vertical 7831
& drilling machines, horizontal 7832
& facing machines.....8238
& milling machines, horizontal 7833
& mortising machines, hub 8472
& reaming machines..7834
& sander machines...9005
& tapping machines, automatic 7835
& turning machines...7836
& turning machines, pulley 8856
& turning machines, vertical 7837
Borings, core.....1157a
foundation 1157a
test 1157a
wash 1157a
Boro-Phosphate crystal..1157b
Boron carbide 1158
copper 3172a
manganese 9537
Bortz 1937a
Bosh plates.....11063
Boshes, mechanical.....1159
Boss harrows.....5951
Bottle blowing machines.7838
box boring machines..7839
boxes 1200
brushes 1524
cap machinery, paper.8702
capping machines.....7841
caps 1891
cases, steel.....2130
conveyors 3094
corking machines.....7842
feeders 4601
fillers, milk, etc.....1161
filling machines, automatic 7843
holders 6223
labeling machines.....7843a
openers 10363
racks, milk.....1162
rinsing machines.....7844
screw tops.....13181
sealing machines.....7845
stoppers 14366
tubes 16068
washing & soaking machines 7846
wiring machines.....7847
wrapper staples.....14165
wrappers, corrugated..1163
wrappers, excelsior 1163a
Bottlers' cases.....2111
machinery & supplies.7848
trucks 16005
Bottles, aluminum.....1164
cubic foot.....1165
fibre 1844
glass 1167
hot water, metal.....1168
mariotte 1169
milk 1169a
paper 1170
perfume 1170a1
platinum 1170a
re-agent 1170b
rubber 1171
steel 1172
stoneware (see bottles **mariotte, also bottles woulff)** .....1169 & 1174a
vacuum 1173
water, rubber.....16670
woulff 1174a
wood 1174
Bottom baskets 1174b
dump cars.....2001a
dumping buckets.....1585
fullers 5035
swages 14553
Bottoming taps.....14848
Bottoms, basket 1174b
converter, brick..... 3075
copper 3172
feed bag.....1174c
kettle 1175
Boudoir, clocks 2722a1
Bourdon pressure gauges (see gauges, steam)5330
Bow rests.....12381
separators 13290
sockets 13823
Bowden, wire mechanism 16952a
Bower barffed work.....1176
Bowling alley brushes...1541
alley builders.....1177
alley crayons.....3400
alley supplies.....1177a
balls 447
chalk 2406
pins 10891
Bowls, cow watering....1178
sanitary sugar 1178a
wood chopping 1179
Bows, automobile top...1180
carriage 1181
ox 1182
wagon 1181
Box anchor & timber caps 1184
Box annealed steel sheets 14250
bands 502
binders, wire 16901a
blocker machines.....7849
board grooving machines 7850
board machines 7851
board mfrs.....1185
board matching machines 7852
board printing machines 7853
board scoring machines.7859
car loaders 7501
catches, fancy.....2208
chisels 2463
cleating machines.....7861
connectors 3033
corner cutter knives..6936
corners 3233
covering paper.....10635
ending machines 7859
fasteners 4646
gum 5717c
hand hole cutting machines 7856
handle machines.....7857
handles 5816a
hangers 5895a
hardware, light.....5919b
hinges 6087
hinging machines.....7858
hooks 6330
locks 7531
lumber 7651a
lumber, cigar 7651c
makers' machinery....7859
makers' paper.....10636
nail feeding machines.7860
nailing & cleating machines 7861
nails 10046
nails, tobacco 10090
openers 2463
presses 11496
printing dies.....3756
printing plates.....11064
pulls 11759
scrapers 13100
seals 13246
shook machinery.....7862
shooks .....1185a & 13570
stall hinges 6088
stands, annealing....14142
strap stretchers 14474
strapping, steel 1185b
strapping machines....7863
straps 1186
tote trucks.....16051
trimming machines....7864
trucks 16006
twine 16192
wrapping machinery, paper 8718
wrenches 17058
& bale bands..... 490a
Boxes, aluminum.....1187
ammunition 1187a
annealing 1188
auger bit.....1189
automobile tool.....1190
axle 1191
axle grease.....1192
bait (see boxes, fishing tackle) 1229
ballot 1193
basswood 1194
battery, automobile....1195
beer & soda water....1196
bending 1197
berry (see packages, fruits & vegetables).10442
blow, acid.....1198
bluing 1199
bond 1199a
bosh (see plates, bosh), 11063
bottle 1200
bread 1201
bread shipping.....1202
butter 1203
candy 1203a
canners exhaust.....1329a
case hardening.....1204
cash 1205
cedar (see chests, cedar) 2445
celluloid 1206
charging, open hearth.1208
cheese 1209
chemists' 1209a
chip pill 1209b
chisel 1209c
cigar 1210
comber 15017
compound 1210a
condenser 1211
conduit (see boxes, junction or outlet)..1242
core, for foundry use..1212
corrugated fibre 1212a
corrugated paper.....1213
crayon 1213a
cream 1213b
crosshead 1214
Boxes, curb service.....1215
cut flower.....1216
cut-out (see boxes, junction) 1242
Boxes, cutlery, wood....1216a
dice 1216b
disc harrow.....1217
district call.....1218
ditty 1218a
document 1219
drain 1220
drawing & roving....15018
drug, pill, ointment & powders 1221
dry battery 1195
dump wagon (see **wagon boxes)**.....16553
electric service.....1223
extension, dial curb....1224
fancy wood.....1225
fare 1226
fibre 1227
fig 1227a
fire alarm signal.....1228
fishing tackle.....1229
floor (see boxes, junction or outlet.....1242
folding paper.....1230
foundry, steel.....1231
fuse 1232
fuse, street car.....1233
fused coupling, for feeder cables.....1234
garbage 1234a
gill 1235
glove powder 1235a
gold paint 1235b
graphite 5567
grease, plumbers'.....1236
grindstone 5662a
hardware & tool 1237
hat 1237a
heat treating (see heat treating apparatus)..6013c
hinged cover 1238
hot 1238a
jack 1239
jewelers' 1240
journal 1241
junction, manhole.....1249
junction or outlet.....1242
letter (see boxes, mail)1247
lithographed metal....1311
lock 1243
lock corner.....1244
locomotive driving....1245
lunch 1246
mail 1247
mailing 1248
manhole, junction.....1249
medicinal, toilet, etc...1250
metal 1251
metal, excelsior (see boxes, metal) 1251
meter 1253
microscope slide.....1253b
milk.....1196 & 1254
mill .....1254a & 15019
miners' squib.....1255
mitre 1256
muffle 1257
music 1258
nail 1259
nested 1259a
oil fuse.....1260
optical mailing 1260a
outlet 1242
paper 1260b
paper, corrugated.....1213
paper, folding.....1230
paper, metal edge.....1261
paper, shipping.....1262
parcels post 1263
pencil 1264
pin & trinket 1264a
pitman 1265
plant, all metal.....1265a
plumbers' grease.....1236
polished wood.....1265b
porous clay.....1266
post office lock.....1267
powder 1268
proofing 1268a
puff 1268b
railroad ticket & cash receipt 1269
resistance (see rheostats) 12395
rifle 1269a
roving 15018
rural mail.....1270
saddle 15357
safe deposit.....1271
safety razor 1271a
salt, spices, etc.....1272
salve 1272a
sand 1273
scale 1274
seamless tin.....1275
service, curb 1215
service valve 1302
shafting 1276
shelf hardware.....1277
shook tying machinery.7862a
shop, steel.....1298
sliding cover.....1277a
soap 1278
Boxes, soda water.....1196
spark coil, waterproof 1279
spice 1272
sprue 1280
stacking, steel.....1281
starch 1282

No.

Boxes, starting (see rheostats) 12395
steam 15020
steel shop (see boxes, tote, sheet steel)....1298
steel tool.....1297
stock steel.....1284
stoneware (see stoneware, chemical)....14360
stuffing 1285
switch 1286
syringe 1286a
tackle 1287
take-up 1288
talcum powder 1288a
taper, steel.....1289
telephone (telephone cabinet work) 14914
tin, seamless.....1275
tobacco 1295
toilet 1250
tool 1295a
tool, motor cycle.....1296
tool, steel.....1297
tote, sheet steel.....1298
trinket 1264a
turned wood.....1300
twine 1301
valve & service.....1302
veneer 1302a
vent 1303
wagon 1304
wagon, dump 16553
wall 1305
waste 1306
watch 1307
weigh, coal tipple.....1308
wire bound.....1309
wood 1309a
wooden packing 1309b
zinc 1310
& cans, litho metal....1311
& skeins, thimble....13720
Boxing gloves.....5506
lumber 7651a
machines, can.....7924
machines, hub.....8471
machines, wheel.....9405
Boxwood rules, folding.12815
Boys' axes..... 348
Brace head machines....7866
hooks & eyes.....6409
rods 12546
socket wrenches.....17059
Braces, angle (see tools, boring) 15707
back 1312
bit 826
boiler 1003
corner 6756
cross-arm 1313
hand rail.....1314
ladder 1321
partition 1315
rail 1316
rudder 1317
screen door.....1318
sewer 1323
show case corner.....1319
stair rail.....1314
table leg.....1321
telegraph pole.....1322
trench 1323
Bracket boring machines.7813
cranes 3349
drills 4016
hangers 5908a
machinery (insulator pin, bracket, etc.)...8488
pumps 11812
saws 12957
Brackets, arc lamp.....1324
automobile lamp.....1335
axe 1324a
bird cage.....1325
blind roller.....1326
bunker lamp.....1336
carriage lamp.....1335
corner 1318
cross-arms, etc., iron & steel 3436
curtain pole.....1327
desk telephone 1328
electric house.....1329
electric lamp.....1330
flag-pole 1331
flower pot.....1332
folding scaffold.....1333
hand & foot rail.....1334
house, electric.....1329
insulator 6661
insulator, wood.....10926a
kitchen lamp.....1336
lamp, carriage & automobile 1335
lamp, kitchen & bunker 1336
lavatory 1337
pipe 1336a
plumbers' 1337
pothead 1338
rafter 1339
Brackets, roof.....1340
screen door.....1318
shelf 1341
shingling (see brackets, roof).....1340
sink 1342
staging 1344

No.

Brackets, stair rail (see braces, stair rail)...1314
steel scaffold.....1345
table 1346
tank 1337
trolley pole.....1347
wood 1348
Brad awls..... 336
Bradford crashers.....3450a
Brads (see nails, small).10085
Brad-sets 1349
Braid calendering machines 15022
measuring machines.15022a
reels 12259a
rolling machines 15023
wire (see Nails, small)10085
(also Nails, wire)..10092
Braided asbestos tubing 16091
banding 488
heddles 15200
hose 6448
wire 16903
Braiding machines.....7867
machines, packing....7868
machines, rubber hose.8969
Braids, tapes & cords..15427
Brake, angle & band iron 1350
band rivets.....12501a
banding for automobiles 1351
bands 491
beam backs, steel..... 371
beam clamps.....2562
beams 1352
blocks 901a
chains 2304
chains, car.....2309a
compounds 2931
drums 4094
handles 5817
handles, ratchet (see handles, brake or controllers) 5817
jaws 1353
lever connecting rods.12547
levers 7403
lining 1354
lining filler.....1354a
shoe keys.....6890
shoe wheel truing.....1355
shoes 1356
shoes, automobile.....1357
slack adjusters..... 68
springs 13998a
wheels 16762
Brakes, air.....1358
automobile 1361
car (electric car).....1364
coaster 1362
cornice 3239
disc 1363
dough (see dough braking machines)..8194
electric car.....1364
electric crane.....1365
electric magnetic.....1366
electric motor.....1367
flax (see tow mill machinery) 9343
governors, motor vehicle 1374a
locomotive 1369
magnetic friction.....1370
motor cycle.....1362
rail 1371
solenoid 1372
vacuum 1373
wagon 1374
Bran dusters 4173
packers (see packing machines) 8687
Branch tees (see fittings, pipe) 4816
Branding irons (see burning brands) ..1697
machines, barrel.....7869
machines, ham.....8416
machines, lumber 7869a
Brands, auto tire.....1374b
burning 1697
Brass alloys..... 120
altar rails..... 1375
angles 1386
anodes 180
balls 448
bands 492
bar .....509 & 561a
bedstead mfrs..... 701
bellows 707
block cutters 1375a
bolts 1060
bolts (naval brass)....1093
brazing unions.....16230
burrs 1701
burrs & rivets.....12502
bushings 1706
butts .....1747 & 6089
cap nuts.....10190
Brass cartridge 1375b
castings 2151
chains 2305
channels 1386
check blanks.....2426
cinder mills.....9768
circles 2547
closet connections.....3025

Brass coils (see pipe bends & coils).....10929
covered tubing 16096
cylinders 3631
disc 3830b
door knobs.....3900
drawn 1375c
easels 4187
elbows 4202
embossed 1376
engravers' 1377
expansion bolts.....1075
fenders 4643
ferrules 4662
finishers' lathes.....7259
fire sets (see fireplace furnishings) 4777
fireplace goods.....1378
flanges 4842
forgings 1378a
founders 9502
founders' drying stoves 14401
founders' supplies (see foundry facings & supplies) 4993
furnaces, annealing...5052c
gears 5373a
goods, plumbers' (see the specific article required)
grilles 5605
hammers 5752
hexagon nuts.....10191
hooks & eyes.....6410
hoop 1383
household lamps.....7172
ingots 6592
kettles 6862
lanterns 7222
letters 7385
lined pipe.....10931
lock-nuts 7514
loops for top straps...7607
lubricators 7629
lubricators, engine.....7629
machine screws.....13188
mails 15274
melting furnaces.....5053
mirror frames.....5011
mouldings 9894g
nails 10047
nuts 10192
nuts, hexagon.....10191
parts, special 13903a
pinions 10879c
pins 10892
pipe 10930a
pipe fittings.....4798
pipe railing fittings....4799
pipe railings.....12111
pipe wrenches.....17060
plating (see plating work) 11148
plugs 11212
pumps 11813
railing fittings 4815a
railing posts 11408
railings (see bank & office railings)..... 506
rings 12437
rivets 12502
rod 1379
rods 12548
rolling mill machinery.7871
rolling mills.....12647
rolls 12660
rules, printers'.....12823
sawing machines.....7870
scrap 13090
screw wire.....16904
screws 13187
sheet.....3189 & 13479
sign 1380
specialties 1380a
spelter solder.....13866
spinning 1381
spring 1384
spring wire 16986
springs, flat & wire..13998b
stair treads.....14101
stamping 14121
store fronts.....14384
strip 1385
swing joints.....6831
tacks 14679
tees 14891a
trays 15918
tubing 16095
turnbuckles 16158
unions 16230
valve cylinders 3631a
washers 16627
wheels 16763
white 1382
wire 16905
wire eyes.....4520
wire cloth 16917
work, architectural (see grilles, brass & bronze) 5605
work, structural 1382a
work, theatre 1487
working tools (see pneumatic tools)....11317
& galvanized steel rudders 12800a
& iron unions.....16231b
Brassed zinc.....17135
Brassene 10129

No.

Brasses car.....1387
engine 1387
Brassiere hooks 6329a
Brassoid 10128
Brasstin 10129
Brattice cloth.....2748
jute 6852
Brazed steel tubing.....16097
tanks 14736
Braziers' copper (see copper bottoms).....3172
rivets 12503
Brazilian, aquamarines, tourmalines & rough diamonds 1387a
crystal rock.....3465a
Brazing apparatus..... 984
cast iron.....1388
clamps, saw.....2611
compounds 2926
flux 4913
furnaces 5054
iron forges 4925
kettles 6863
machines 7872
machines, band saw....7873
plates 11065
powder (see compounds brazing) 2926
solder 13867
solder, silver 13871a
tables 14643
tables, saw.....14658
tongs, saw 15686
torches 15804
unions, brass 16230
Bread boards 965
boxes 1201
conveyors 8094a
crumbing machines ...7874
cutters 3534
knives 6937
mixers 9862
ovens 10423
pans 10586
shipping boxes 1202
slicing machines 9131
wrapping machines....9490a
Break irons 6721
Breaker rolls 12661
buildings, coal 2783b
machinery 7874a
Breakers, bale 15000
casting of scrap.....1389
circuit 1390
coal (see crushers, coal & coke) 3452
electric circuit 1390
gyratory (see crushers, rock & ore gyratory) 3458
ice 1391
magnetic re-set circuit.1392
pig iron 1393
scrap 1389
skull 1393a
staybolt 1394
staybolt, pneumatic...11307
stone, see crushers, rock & ore).....3457
tailing 1395
traction concrete 2982
vacuum 1396
& cleaners, coal.....1397
Breaking machines, dough. 8194
machines, hard waste.15024
plows 11181
Breast augers (see augers, miners').....313
chains 2306
collar irons.....6722
drills, geared.....4017
drills, pneumatic.....11267
strap slides.....13775
Breasts, metallic.....15025
Breeching clips.....2705
rings (see rings, harness).....12452a & 12456
Breechings, boiler.....1398
Brew kettles.....6864
Brewers' brushes 1527
enamels 4308
hose 6460
pitch 11002
rice shoes 12406
shavings 13404
& maltsters' machinery & supplies 7875
Brewery architects 225
pumps 11814
wagons 16557
Briar pipe machinery....7876
wood 17026
Brick, acid proof.....1400
annealing furnace.....1402
ashlar (see architectural faience)..... 233
barrows 545
blast furnace.....1405
boiler arch & setting.1406
bonds (see ties, wall).15569
brick kiln.....1407
Brick carriers' clamps...2563
cars 2002
cement 1410
cement kiln.....1411
checker 1453
chrome 1412

INDEX

IMPORTANT The Numbers in this Index refer to the Classification direct and not the Page Number.

INDEX

No.

Brick, coke oven.....1414
common 1416
converter bottoms 3075
conveyors 3095
cork 1420
cupola (see cupola linings & blocks).....3486
cutters 8585
cutting machinery.....7877
cutting wires.....17016
dies 3757
drills 4018
dry pressed.....1421
dryer cars 2002a
dump tables.....14644
dust, fire cement.....1421a
dutch ovens.....1422
enameled 1423
face 1424
fire 1425
fire flashed.....1426
floors 4893a
forging furnace.....1427
foundry 1428
front (see brick face)..1424
furnace (is classified according to the kind of furnace for which it is required).
furnace arch & roof...1430
glass furnace & tank.1433
glazed 1435
hardening cylinders....3639
heating furnace.....1437
hods 6155
hollow 1438
insulating 6647a
kilns (see dry kilns)...6909
knives 6938
ladle 1440
lead softening furnace..1441
lime kiln.....1442
locomotive arch (see locomotive tiles).....7582
machinery, face.....8286
machinery, fire.....8286
machinery gears.....5374
machinery, sand lime..9001
machinery, soft mud..7878
machinery & supplies (see specific article required)
machines, augur.....7699
machines, cement.....7990
magnesia 1443
magnesite 1444
making machinery.....7879
malleable furnace shapes 1445
mantels 9548
molds 9900
mould sanding machines 7880
oil heating furnace....1446
ornamental (see brick, front) 1424
oven builders.....10422
paints 10536
pallets 10576
pompeiian 1448
porcelain 1449
pottery kiln.....1450
press machines.....7881
puddling furnace 1451
pumice 11779
radial 1452
rattlers 12167
regenerator or checker.1453
roofing material, crushed 12728a
rotary kiln.....1454
rubbing 5555
salt glazed.....1454a
sand lime.....1455
sanding machines.....7880
setting machines.....7882
shale (see brick, front)1424
silica 1457
sizing machines 7883
soaking pit.....1459
steel imitation.....14227a
stove lining (see stove linings) 14390
testing machines.....9271
trucks 16007
velvet 1464
vitrified paving.....1466
wall ventilators.....16482
welding furnace 1467
white 1468
wire cut lug.....1469
zinc surface.....1469a
& cement waterproofings 16687
Bricklayers (see contractors, building & general) 3044
Bricklayers' chisels.....3464
hammers 5778
line pins 10893
Bricklayers' scutches...13242
tools (see tools, masons') 15749
Bridge bolts 1061
builders, steel (see steel structural work) 14268
builders' dollies 3879
builders' tongs 15665

No.

Bridge builders' wrenches 17061
cables, suspension 1780
caissons 1470
cars 2003
castings 2152
clevises 2698
conveyors 3096
cranes 3350
erecting engines 4352
foundations 1471
gates 5219
iron 6692
jacks 6771
lamps 7158
machinery for bascule bridges 7884
operating machinery..8207
paints 10548
plate, steel 14207
railings 1472
reamers 12186
rivets 12504
rods 12549
spikes 13925
timbers, creosoted (see creosoting works) ..3424
tramways 15858
wheels chilled.....16771
Bridges, bascule 1474
catenary 1475
coal & ore handling...1476
hose 1477
rolling lift 1474
steel (see steel structural work) 14268
steel girder 1478
violin 1478a
& galvanometers.....5178
Bridle bits..... 830
irons (see hangers, joist) 5899
rings 12438
Bright annealing furnaces 5054a
chains 2307
market wire (see wire market) 16951
wire eyes.....4520
wire goods.....16941
Brimstone & sulphur....1452s
Brine coolers 3153
evaporators 4441
fittings 4799a
freezers, ice cream.....5018
meters 9710a
pumps 11815
tanks 14736a
Briquettes, calcium carbide 1797
machinery 7885
Briquetting machinery fuel (see briquetting machines) 7885
presses (see briquetting machinery) 7885
Bristles 1479
Bristols (see cardboards)1961
index (see cardboards)1961
Britannia metal 9665
ware mfrs.....1480
British association taps.14848a
gum (see dextrine) ...3730
Broaches, push.....1482
Broaching machinery....7886
presses 11497
Broad axes..... 349
looms 15242
Broenner's acid 33a
Broilers 1483
electric 1484
gas (see stoves, etc., gas) 14414
Broken stone (see stone, crushed) 14337
Bromates & bromides, mixed & mining salt.9843
Bromide ammonium..... 151
arsenic 245a
barium 512b
cadmium 1787a
calcium 1795d
ethyl 4440a
iron 6692a
lithium 7497b
nickel 10123b
potassium 11416
strontium 14493a
zinc 17130c
Bromides & bromates, mixed (see mining salt) 9843
Bromine 1485
Bromoform 1485a
Bronze alloys..... 120
alloys, manganese..... 125
alloys phosphor 126
angles 1486
anodes 180a
Bronze, architectural 1487
balls (see balls, brass). 448
balls, phosphor..... 467
bar .....509 & 561a
bearings, bunting..... 669a
bearings, Lumen..... 681
bleach ejectors.....4199
bolts 1060
bolts (Tobin bronze)...1121
bushings 1707

No.

Bronze bushings (phosphor bronze) 1716
butts 1746b
canopies 345
castings 2151
castings, manganese...2175
castings (nickel bronze)2180
castings, phosphor.....2184
castings, tubal.....2194
castings (vanadium bronze) 2196
chains 2307a
channels 1486
circles 2547
coils (see pipe bends & coils) 10929
disc 3830b
door knobs.....3900
doors 1488
electro plating.....4227
elevator doors.....3926
entrances 4421
fittings 4800
fixtures 4824a
folding gates & guards.5239
forgings 4938
forgings, manganese...4953
forgings, Tobin.....4959a
founders, architectural.1490
gates, ornamental.....5229
gear 5360
gears 5374a
grilles 5605
hoop 1383
ingots 6593
ingots, manganese.....6594
ingots, phosphor.....6596
interior building trim..6647
lamps, artistic.....7152a
letters 7385i
letters for building fronts (see bronze tablets) 1496
manganese 1492
metal bearings..... 669
monuments & statuary.1493
moldings ....9894f, 9894g & 98940
naval 1493a
ornamental 1487
phosphor 10830
pipe railings.....12111
powder machines.....7887
powders 1494
radiators (see bronze powders) 1494
railing posts.....11408
railings (see bronze, architectural) 1487
rods 12550
rods, manganese.....12568
rods, phosphor.....12575
rods (Tobin bronze)..12593
rolls 12660
screw wire 16904
screws 13187
sheet 1495
sheets (manganese bronze) 13482
sheets (Tobin bronze)..13486
signs 13658
Sillman's apex aluminum 1495a
spring 1384
stairs 14109a
statuary 1493
store fronts 14384
strip 1385
tablets, etc. 1496
titan 1496a
Tobin 1497
tobin parts 15655a
tubing 16095
urns 1493
white 1498
wire 16906
wire cloth 16917
wire, silicon 16981b
work, every description.1498a
& benedict nickel lighting fixtures 7435b
Bronzing liquids 1499
machines 7888
varnishes 16447
Brooder heaters 6036
stoves 14402
Brooders & incubators...6543
Broom blocks 902
corn 3227
corn baling presses...11481
corn cleaners 2654
corn harvesters 5961
corn knives 6939
corn planters 11029
Broom corn scrapers....13101
covers 3320
cutters 3536
fibre 4675
handle machinery.....7889
handles 5818
holders 6224
locks 7533
machinery 7890
machinery, whisk.....9411
nails 10048
needles 10109
racks (see racks, display) 12063
sewing machines.....9060

No.

Broom sizers 13714
tacks 14680
twine 16193
wire 16907
Brooms, bamboo.....1500
bass fibre.....1501
corn 1502
floor 1503
frog & switch (see brooms & brushes track) 1513
metal bound mill.....1504
push 1505
rattan 1506
rotary snow.....1507
snow, street railway..13802
stable 1511
steel wire.....1508
street 1511
street sweeping.....1509
street sweeping machine 1510
street & stable.....1511
switch 1513
track 1513
warehouse, mill & factory 1511a
whisk 1512
& brushes, track.....1513
Brown, Bismark..... 823
chrome 2497a
print papers..... 961
process cloth.....2748a
Brush backs..... 368
bands 493
blocks 902
cases, tooth 2131a
drawing wire.....16908
fibre 4676
handles 5819
handles, artists' 5809b
handles, lather.....5850
handles, painters.....5858
handles, shoe 5868
handles, window.....5880a
holder springs.....13999
holders 6225
ink erasers.....4435
machinery & tools.....7891
pegs 10784b
plugs 11212a
sets, silver plated.....1515
tacks 14680
wire 16907
& comb sets.....2906a
Brushes (see duster mfrs.) 4172
air 1516
artists' 1554
auto washing.....1517
automobile 1516a
bakers' 1518
barrel scrubbing machine 1519
bath 1520
bench (see brushes, platers', polishers, etc.) 1556
billiard table.....1522
boiler flue or tube.....2647
bonnet 1522a
bookbinders' 1523
bottle 1524
bowling alley (see brushes, floor polishing) 1541
brewers' 1527
butchers' block.....1528
canners' machine, etc..1529
car washing.....1533
carbon 1530
carpet sweeper.....1531
celluloid 1532
chimney 1534
complexion 1534a
copper 1567
corn drill.....1535
cuspidor 1536
cylinder 1537
dairy 1537a
dry cleaners 1537b
dust 1538
dustless floor.....1539
dynamo 1552b
factory 1545
fibre, vegetable.....1540
file (see cards, file)...1962
floor polishing.....1541
floor sweeping.....1542
Brushes, floor waxing (see brushes, floor polishing) 1541
flue 1544
flue & heater.....1544a
foundry 1545
fountain 1545a
glass cutters'.....1546
glue 1546a
graining 1554
graphite 1547
hair 1548
hat and clothes.....1548
horse 1549
hot water heater.....1550
infant 1550a
kalsomine 1554
keg scrubbing machine.1519
kitchen 1550b
lavatory 1550c

No.
Brushes, lithographers'..1551
machine 1545
marking 1573
military 1552a
milk, can.....1552
mill 15026
motor & dynamo.....1552b
nail 1553
paint 1554
paperhangers' 1555
paste 1555
plain scratch.....1555a
platers' 1556
pneumatic spray.....1557
polishers' 1556
power (for use with)..1558
radiator 1559
railroad 1560
roofing 1561
rubber 1562
scrubbing 1563
set-in-rubber 1564
sewer cleaning.....1565
shaving 1566
sheet metal.....1567
shoe 1568
sink 1569
smoothing 1555
special 1570
spiral 1571
spray, pneumatic.....1558
stable 1511
steel wire.....1572
stencil 1573
stone cleaning.....1574
stove 1575
street 1511
tailors' 1576
tanners' 1577
tar 1561
test tube.....1578
toilet 1578a
tooth 1579
track 1513
tumbler (see brushes, bottle) 1524
type cleaning.....1580
vacuum cleaner.....1581
varnish 1554
wheel bottom.....1537
wheel, steel wire.....1582
whitewash 1554
window 1583
wire (steel wire).....1572
wire wheel 1583a
woven wire.....1584
Brushing machines, cloth 15059
& shearing machines combined 15373
Brushmakers' shears...13416
Bubbling cups for drinking fountains.....3494
faucets (see fountains, drinking, sanitary)..4996
Buck saws.....12958
shot molds.....9899
Bucket carriers (see elevators, bucket).....4256
conveyors 3097
cranes 3350a
elevators 4256
handle staples.....14170
hoists, concrete.....6182
pumps 11816
shooks 13571
spray pumps.....11941
Buckets, acid.....1584a
automatic 1584b
bottom dumping 1585
center dump.....1586
clam shell.....1587
clam shell, electric motor 1588
coal & ore.....1589
collapsible 1615
concrete 1590
contractors 1590a
conveyor 1594
dinner (see pails, dinner) 10504
dope 1591
drag line scraper.....1592
dredging & excavating 1593
dumping (see tubs, hoisting & dumping) 16132
elevator, concrete.....1590a
elevator & conveyor...1594
excavator scraper.....1592
fibre (see pails, fibre).10505
fire 1595
Buckets, galvanized iron (see pails, galvanized iron) 10507
gold dredging.....1596
grab 1597
grease 1598
hard rubber.....1599
hoisting (see tubs, hoisting, etc.).....16132
malleable 2391b
maple sap.....1601
minnow 1602
orange peel.....1603
powder 1604
pump 1605
rubber 1606
Buckets, sand handling.1607
scraper, clam shell....1608
scraper, drag line.....1592
scraper, excavator (see buckets, drag line scraper) 1592
self-dumping 1609
self-loading power scraper 1610
sewer 1611
shoveling 1612
skip 1613
slag 1607
stone 1594
tin 10519
tote, sheet steel (see Boxes, tote, sheet steel) 1298
turnover 1613a
water (see pails, galvanized iron).....10507
well 1614
wood 10520
Buckle locks.....7534
machinery 7892
plates 11066
shields 13515
tongue machines, automatic 7893
Buckles, back band.....1616
bale 1617
belt 1618
gaiter (see buckles, overshoe) 1621
harness 1619
legging (see buckles, overshoe) 1621
lock 1620
overshoe 1621
shoe 1622
strap 1618
suspender 1622a
wire 1623
Buckram 1624
catalog (see cloth, book) 2747
Bucks & frames, saw....12933
Buckshot molds.....9899
Buckwheat hulling machines 8474
hulling shucking machines 9111
machinery 7894
scourers 13086
Buffers board.....1626
car 1627
finger nail 1627a
hand, electric.....1628
rubber 1629
wagon spring.....1630
Buffing compositions.....2922
compounds 2922
heads 5988
machines, enameled brick 7895
machines, leather.....8530
machines, shoe.....7896
motors 9964
wheel hoods 6297
wheels 16764
& polishing lathes.....7260
& polishing machines, knife 8508
& polishing wheels....16764
Buflokast apparatus 1631
Buflovak apparatus 1631a
Buggies 1631
buhr-stone 1632
charging 1633
cinder 1634
coal & ore.....1635
coke & ore.....1636
concrete 1636a
lumber 1637
ore .....1635 & 1636
wire 1637a
Buggy aprons..... 208
armature 1638
bow steel sheets.....14251
Buhr-stone buggies.....1632
stone mills.....9769
stones 1639
Builders, asphalt plants. 266
automobile 321
barge 511
boards 966
bowling alley.....1177
bridge, steel (see steel structural work)....14268
concrete bulkhead.....1649
contracting 3044
contracting large.....1640
Builders, dock 3866
flour mill.....4900
grain elevator.....5552
granite mausoleum & vault 5557
greenhouse 5597
ice house.....9529
iron pier (see steel structural work)....14268
light house 7430
malt house.....9529
marine railway.....9586
moving picture studio..1641
scaffold 13007
scow 13087
ship 13541
smoke house.....13788
Builders, steel bridge (see steel structural work) 14263
tunnel 1640
Builders' cast iron work (see firms in iron, architectural & ornamental—marked with a star).....6690
(see also machinists & founders) 9502
castings 6690
derricks 3697
hardware (see hardware mfrs.).....5920
hoists (see hoists, contractors' material)...6183
hoists, electric.....6174
materials 9599
mill work (see interior hardwood work).....6686
moving picture studio .1641
rustless hardware 5918
wagons 16558
Building anchors..... 158a
block machinery, clay.8038
block machinery, concrete 8096
blocks, hollow..... 911
bracket hangers.....5887
contractors 3044
corners, metals.....3235
deodorizers 3693a1
directories, changeable.1642
front letters, bronze (see bronze tablets).1496
lumber, asbestos..... 247
material elevators.... 4257
materials, second-hand.1642
movers' screws.....13190
paper 10706
sheathing, felt.....1644
sheathing, mineral wool(see mineral wool)9339
sheathing quilt, asbestos 1645
stone, artificial 14336
tile, hollow 15588
trim, interior, steel, bronze, etc.....6687
ventilating apparatus.16475
ventilators 16482a
wreckers(see building materials, second-hand)1643
Buildings, coal breaker..2783b
portable 1645a
portable, steel 11390
steel (see steel structural work) 14268
steel mill 1645b
Built in wall safes....12859
up gauges 5254a
up woods, veneer.....16472
Bulbs, automobile horn.1646
incandescent lamp.....1647
luminous (see bulbs, pull chain).....1647b
nitrogen 1647a
pull chain 1647b
rubber 1648
X-ray 1648a
Bulkhead builders, concrete 1649
doors S S.....3912a
Bull chains.....2308
pens 10307
punches (see ringers, hog) 12427
rings 12460
wheels, etc.....16764a
Buldozer furnaces.....5054b
or bending machines.7897
Bullet molds.....9899
Bulletin boards.....1650
signs, metal framed..13670a
Bullion balances (see balances, assay & analytical) 435
copper 1651
lead 1652
rolls 12662
scales 13015
Bullseye lenses.....7385a
Bumper plates.....11067
Bumpers, automobile....1653
car seat (see rubber bumpers & cushions) 12780
door 3883
rubber 12786
Bumping posts, car....11398
presses 11498
Bunchers, asparagus.....1655
clover 1656
Bunching machines, cigar 8026
Bundle carrier teeth...14895
Bundling machinery....7898
machines, scrap wire..9028
Bung augers (see borers, bung hole) 1156
boring machines.....7899
fasteners, barrel.....1656a
hole borers.....1156
hole bushings.....1707a
mfrs. (see plugs, wood 11241
spouts 13972
starters 1657
Bungs, barrel.....1657a
barrel, metal (see bungs barrel) 1657a
barrel, rubber (see bungs barrel).....1657a
oil can..... .....1657b
Bunker lamp brackets...1336
lamps 7159
Bunkers, coal 1658
Bunks, metallic 793
Bunsen burners.....1668
Bunting bronze bearings. 669a
mfrs. 1659
Buoys, gas.....1660
life (see life preservers) 7413
mooring 1661
net 1661a
Burettes 1661b
Burglar alarm system... 102
alarm window springs.16879
alarms 101
proof safes.....12854
Burgundy pitch.....11004
Burial cases & vaults, concrete 1662
cases & vaults, metallic 1662a
cases & vaults, slate..1663
cases & vaults, stone..1664
Burlap 1666
bags 377a
back roofing.....12716
Burlaps, wall (see wall coverings) 16606
Burling irons.....15027
"Burmite" roofing.....12718
Burner guards 5685
pliers 11162
tip gas 15625
Burners, acetylene gas...1667
automobile, gasoline...1673
automobile, kerosene..1684
bunsen 1668
coal dust.....1669
combination gas & oil. 1670
electric gas lighting...1671
fuel gas.....1672
fuel oil.....1673
fuel oil for steam heating boilers 1673a
furnace gas.....1674
garbage, water heating (see garbage burners water heating).....5185
gas, inverted.....1675
gas lighting, electric...1671
gas, self-lighting.....1676
gasoline 1677
gasoline automobile....1678
hand lamp 1679
hot blast gas stove.....1680
hydro carbon.....1681
incandescent gas.....1682
japanning or baking...1683
kerosene automobile...1684
kerosene oil.....1685
laboratory special.....1693
lamp, kerosene oil.....1686
natural gas.....1687
oil 1688
paint 10523
powdered coal.....1688
pyrites & sulphur 1690
refuse 1691
rubbish 1692
self-lighting gas.....1676
sulphur 1690
tar 1694
urn 1695
weed 1696
Burning brands.....1697
equipment, pulverized coal 11767b
outfits, lead.....7336
systems, smokeless tar.14879
Burnishers, cabinet makers' 1698
heel 1699
Burnishing balls (see balls tumbling barrel) 480
barrels 523a
baskets, acid proof.... 602a
machines 7901
machines, can.....7925
pots (see stoneware, chemical) 14360
steel ball process.....1700
Burnt umber 16222
Burr blades.....15028
cylinder grinding machines 8394
knives 6940
pickers 15313
Burring machines.....15029
machines, nut.....8657
machines, wool (see burring machines)..15029
reamers 12188
tools 15708
Burrs, brass.....1701
brass (see washers, brass & copper)....16627
copper 1701
for sharpening pulp stones 1702
riveting 1703
soft steel.....1704

INDEX

INDEX

No.

Burrs & rivets (brass & copper (see rivets, brass & copper)....12502
Bus bar supports.....14535
Bush hammers.....5798
hooks 6313
Bushing presses.....11498a
Bushings, automobile ...1705
brass 1706
bronze 1707
bung hole.....1707a
conduit 1715
damper 1708
die cast 1709
expansion 1710
graphite 1711
hard fibre.....1712
insulating 1713
machine drawn 1713a
oil switch.....1714
outlet & lockout.....1715
phosphor bronze.....1716
pipe 1717
porcelain (see porcelain specialties).....11387
pulley 1718
radiator 1719
rawhide (see gears & pinions, rawhide)....5411
reaming 1720
roller bearing.....1721
rubber (see rubber goods mfrs., mechanical) 12785
socket 1722
socket, rubber.....13820
spring bolt 1722a
steel 1722b
tractor 1722b
trolley wheel.....1723
wooden 1724
Busters, rivet.....12492
Butane gas.....5189a
Butchers' beef trolleys.15976
block brushes.....1528
block pins.....10894
block scrapers.....13102
blocks 903
cleavers 2690
knives 6941
machinery & supplies.7903
manila paper.....10638
saw coils.....12934
saw punches.....11987
saws 12959
skewer machinery.....7905
steels 14280
supply pails.....10498a
suspension scales.....13016
tools (see specific article required)
Butt gauges 5255
hinges 6089
hinges, spring.....6125
machinery 8444
treating 1724a
welded steel pipe.....10931a
Butted tubing.....16097a
Butter boxes 1203
colors 2889
cutters 3537
dish machinery.....7907
oils 10283
pail machinery, sheet metal 8519
printing & cutting machines 7908
scoops computing.....13078
trowels 15987
tryers 16062
tubs 16129
workers (see dairy apparatus & supplies)..8658
& cheese tryers.....16062
Butterfly valves.....16286
Butterises blacksmiths'..1725
Button back mfrs.....1726
badge pins.....10895
cores 3212
dies .....1727 & 3758
dies, parts & supplies.1727
fasteners 4548
gauges 5256
hooks (see buttoners, shoe & glove).....1729
machinery 7909
manufacturers 1728
markers 9587
molds 9903
rivets 12505
shanks 13379
spacers 13893a
Buttoners, glove 1729
shoe 1729
Buttonhole cutters.....3538
machines 7910
markers 9587
punches 11988
spacers 13893a
Buttons, bone.....1730
celluloid 1731
clinch (see buttons, tufting) 1744
cloth covered.....1732
collar 1732a
composition 1733
crochet 1734
door 1735

No.

Buttons, electric (see push buttons).....12032
furniture (see buttons, tufting) 1744
horn 1736
ivory 1737
laundry 1737a
leather 10225
metal 1738
pearl 1739
push 12032
shoe 1741
stair 1742
tool makers'.....1743
tufting 1744
turn 16165
uniform 1745
wood 1746
Butts, ball bearing.....1746a
brass .....1747 & 6089
bronze 1746b
cabinet 1747
casement 1747a
door 1747c
full surface.....1747e
furniture 1747f
half surface 1747g
leather 7359
leather belting..... 733
metal door.....1747h
parliament 1747i
& hinges 1747j
Butyl alcohol..... 113
Butyrate amyl.....156b
Butyric acid..... 24
Buzz planing machines...8803
Buzzers (see bells, electric) 714
car 1748
watertight 16692b
By-pass valves.....16287
-passes, gas burner....1749
-product coke oven gas meters 9710c
-product ovens, coke & gas 10424
-product plants, designers & erectors...1750
"C" clamps (see clamps machinists) 2563a
Cabbage core cutters (see corers, cabbage).....3209
corers 3209
machinery, canners....7911
Cabbaging machines.....7912
presses 11499
Cabin door hooks.....6314
Cabinet butts.....1747
connectors 3033
creamers 3416
hardware 5924
hinges 6089a
lock balls..... 450
locks 7535
makers' benches..... 764
makers' burnishers....1698
makers' clamps, iron, etc 2564
makers' clamps, wood (see screws, hand)..13201
makers' gauges.....5257
makers' tools.....15708b
makers' vises 16520
ovens 10424a
scrapers 13103
wax 16697
work for buildings (see interior hardwood work) 6686
work, metallic (see bank & office fixtures, metallic) 505
work, plumbers'.....11256
work, telephone.....14914
Cabinets, bath room metal 1751
bath, thermal, etc..... 627
blue print filing..... 956
catalogue 1752
clothing 1753
display 1754
drill, steel.....1755
electrotype 1755a
filing 4706
filing, blue print..956 & 1756
filing, metallic (see filing cabinets & devices) 4706
filing transfer, steel ...1756a
Cabinets, hair pin 1756b
herb 1756c
hose 1756d
ice cream.....1757
kitchen 1758
label 1759
letter filing (see filing cabinets & devices)..4706
medicine 1761
metal bath room..... 629
music 1762
oil 1763
panel board.....1764
radio 1764a
sand blast 1764b
sewing 1765
spice 1766
steel 1766a
switchboard 1766b
syrup 1767

No.

Cabinets, talking machine 1768
toilet paper (see holders, toilet paper).....6273
tool 1769
tool, steel.....1770
typewriter (see desk mfrs.) 3717
utility, steel.....1771
ventilating 16477a
wood 1772
Cable carriers, aerial....1978
cars 2004
chains 2309
chippers 2459
clamps 2565
clips (see hangers, electric cable) 5895
coating (see wire rope coating) 16967
compounds 2927
compounds (electric cable) 2936
conveyors (see conveyors, wire cable).....3139
cords, cotton.....3197
covering machinery....9451
end bells (see potheads & sleeves).....11420
engines (see engines winding) 4419
flexible moving picture 10362
grease 5590
grips 5668
hangers, electric.....5895
hanging rings (see hangers, electric cable) 5895
ignition 1773
insultators, paper (see sleeves, paper).....13762
irons 6724
joints 6332
lead covered...1779 & 17015
moving picture flexible 10362
polishing machines.....9452
portable 1775
pulling capstans.....1911a
racks 12056
railways (see wire rope tramways) 16974
reel jack screws.....13207
reel jacks.....6772
reel wheels.....16765
rollers 12613
sleeves (see potheads & sleeves) 11420
splicers 13938
stringing trolleys & chairs 15980
supporting clamps.....2566
terminals, telephone...14961
trolleys 15977
wire 16909
Cables, aerial (see wire rope tramways).....16974
armored (see conductors, armored) 3013
copper electric.....1776
drilling, manila.....1777
elevator (see wire rope & cables) 16975
interior telephone.....1777a
launch steering.....1777b
mining machine 1778
parkway 1778a
rubber covered (see wire, rubber covered) 16976
special constructed ...17021a
submarine & lead encased .....1779 & 17015
suspension bridge.....1780
underground 1779
weatherproof (see wire, weatherproof) 17009
wire 16975
wire copper.....16910
Cableway engines, incline.4379
excavators 4458a
skips 13727
Cableways aerial (see wire rope tramways) 16974
concrete handling.....1781
contractors' 1782
drag line excavator...1783
Cableways, logging.....1784
sewer & trench excavating 1785
wire rope (see wire rope tramways)....16974
Cabling machines, reel..15237
& armoring machines.7914
Caboose cars.....2005
cushions 3517
stoves 14403
Cachaza tanks.....14737
Cadgers, mining.....1786
Cadmium 1787
bromide 1787a
chloride 1787b
iodide 1787c
nitrate 1787d
salts 1787e
sulphate 1787f

No.

Cadmium sulphide 1787g
Caen stone cements.....2245
Cafeteria tables 14644a
Caffeine 1788
Cage presses.....11500
Cages, bank 1788a
batting 1789
bird, animal, etc.....1790
mine 1791
squirrel (see cages, bird, etc.) 1790
Caging machines, mine car 8614
Caisson cylinders (see caissons, sheet steel)1794
foundations 1792
pressure guages.....5257a
Caissons, bridge.....1470
cast iron 1793
pneumatic, for bridge piers 11319
sheet steel.....1794
Cake boards..... 967
cocoanut oil 2850a
cutters 3539
fillers 4709
mills, linseed.....7488
mixers 9862
molds 9904
salt 12872
turners 16166
Caking machines, wax...9397
Calcimines 1795
Calcined carbonate, potassium 11416a
magnesite (see magnesite) 9508
magnesium 9508a
plaster 11037
plaster machinery (see gypsum machinery).8412
Calcining furnaces.....5122
kettles 6865
systems 1795b
Calcium arsenate.....1795c
bromide 1795d
carbide 1796
carbide briquettes.....1797
carbonate 1798
chloride 2482
cyanamid 1799
fluoride 1799a
glycerophosphate 1799b
hypochlorite 1799c
hypophosphite 1799d
light cylinders.....3632
magnesium chloride...1799e
oxide 1799f
permanganate 1799g
peroxide 1799h
phosphate acid..... 25
resinate 17991
silicon 13696
stearate 1799j
sulphate 1799k
sulphide 17991
sulphite 1800
Calcspar 1800a
Calculating gauges, wireman's 5351
machines 7915
Caldron kettles.....6866
Calendar backs..... 368a
hangers 5888
Calendars, advertising ..1800b
desk 1801
doctors & feed.....3867
micrometers (see gauges, thickness)...5333
pads 10485
stands 14143
Calenders, doctors & feeds.3867
rolls, chilled 12663
rolls, composition.....12666
Calendering machines...7916
machines, braid.....15022
machines, cloth.....15060
machines, rubber.....8965
Calf pens.....10807
weaners 16711
Calibrators, meter.....1802
Calico printers' machinery 15030
California redwood shingles 13532
Caliper gauges.....5258
rules 12811
squares 14064
Calipering machines.....7917
Calipers, beam (see calipers & dividers, spring) 1806
firm joint.....1802
indicating 1803a
log 1804
micrometer (see gauges, micrometer).....5303
spring 1806
vernier 1805
winged (see dividers, wing & extension)....3863
Calisthenic wands.....16612
Calking chisels.....2466
cotton 3249
cotton, spun.....3254
hammers, pneumatic..11270
irons (see tools, calking) 15709

No.

Calking lead (see lead wool) 7348
machines 7918
machines, pipe.....8789
mallets 9523
paste 10752
putty 12035
tools 15709
Calks, boot 1807
drive 1807a
horse shoe (see toe calks, steel).....15557
screw removable.....1807b
Call bells..... 710
boxes, district.....1218
Calling signals, automatic 13640a
systems factory (see signals, factory & office) 13645
Calls, carriage, electric...1967
crow 1808
duck 1808
hotel (see annunciators) 176
Calomel 1809
Calorimeters, gas recording 1810
Cam cutting machines...7919
drawing presses.....11501
grinding attachments... 279
milling machines.....8598
pumps 11817
shafts 13368
Camber rods 12551
Cambering machines.....7920
Came lead.....7337
Camel's hair cloth (see cloths, press).....2768
hair pencils.....17090
Camera obscuras.....1812
Cameras 1813
motion picture 1813a
Camp axes (see axes, hunters) 351
chair & stool frames..5003
cooking outfits & stoves 1814
furniture 5139
stools & chairs.....1815
stoves 14404
Campaign torches.....15805
Camphor 1816
monobromated 1816a
Camping outfits 1815a
Cams 1817
Can beading machines...7921
beading & flanging machines 7922
body forming machines.7923
boxing machines.....7924
burnishing machines...7925
capping machines.....7926
carriers 1980
carriers, ash 1978a
carriers, street sweeping 1980
cleaning & washing machines 7927
closing machines.....7928
crimping machines.....7929
earing machines (see soldering or fusing machines, ear).....9156
fillers, tomato pulp measuring 4710
filling machines.....7930
headers (fruit can)....5978
heading machines.....7931
labeling machines (see labeling machines)...8511
lacquering machines....7932
lining machines.....7933
lock & lap seaming machines 7934
machinery, condensed milk 8098
makers' dies.....8759
makers' machinery.....7935
making machinery, packers' 8685
making machinery, sanitary 9008
mfrs. (see cans, various kinds) .....1833 to 1880
marking machines.....7936
openers 10364
polishing machines.....7937
racks, fruit 12067a
righting machines.....7938
salting machines 7939
scoring machines 7940
screws 13191
seaming machines.....7941
slitting machines.....7942
soldering machines 7943
spouts 13973
stamping machines, automatic 7944
sterilizing machines....7945
stuffing machines.....7946
stuffing machines, meat.8581
testing machines.....9272
tin oil & grease.....1877a
tipping machines.....7947
top folding machines..7948
varnish machinery.....9377
washing machines....7927
weighing machines....7949

No.

Can wiping machines ...7950
wrapping machines....7951
& jar washing machines 7952
Canal digging machinery (see shovels, steam)..13596
excavators, irrigation..4462a
rope 12754
Cancelling machines 7953
Candelilla wax 16697a
Candle electric lamp sockets 13829a
holders 6227
lamps 7160
lanterns 7223
lubricators 7625
machinery 7954
tubes 1817a
tubes, electric 16068a
wicks 16845
Candlers, egg (see testers, egg) 14977
Candles 1817b
beeswax 1818
carbide 1819
coach 1820
mining 1823
mutton tallow.....1822
plumbers' 1823
stearic acid.....1824
sulphur 1825
Candlesticks, colonial....1826
miners' 1827
plumbers' 1827
wood 1827a
Candy barrels, miniature 523b
box ornaments.....10403
boxes 1203
cans 1836
hatchets 5969
knives 6942
machinery (see confectioners' machinery)..8104
pails 10499
scoops 13072
sticks 14295
thermometers 15500
tongs 15667
vending machines (see vending machines)...9382
wrapping machines....9491
Cane carriers 1980a
cars (see cars, plantation) 2050
chair (see rattan & reed works) 12165
ferrules 4663a1
handles 5820
knives 6943
loaders (see loaders, sugar cane).....7510
mill gearing 5366
mill gears 5374a
mill gears 5374a1
tors 12342
seat chair machinery..7956
shredders 13602a
sugar conductor 3012a
sugar machinery.....7957
Canisters 1828
Canned goods 1829
Canners' condensed, steam (see canning apparatus) 1829b
conveyors 3098
exhaust boxes 1829a
fruit washing & scalding machines 7958
hot water bath (see canning apparatus)..1829b
inks 6605
labels 7086
lacquers 7103
machine brushes 1529
machinery (cabbage)...7911
machinery (oyster)....8679
machinery (pea).....8754
machinery regulators..12315a
machinery (spinach)...9164
machinery (tomato)...9339
paste 10753
pressure (see canning apparatus 1829b
process tanks 14738
pulp making machinery 8861
syrup filling machines..9234
tables 14645
viner feeding machines.7959
Cannery cookers for fruit and vegetables 3144
retorts 12387
Canning apparatus 1829b
factory cranes.....3351
factory elevators.....4267
factory kettles (see kettles, process).....6877
machinery 7960
Cannons, yacht.....1830
Canoe paddles.....10482
Canoes 1831
Canopies (see marquees).9594
canvas 14952
iron & bronze (see marquees) 9594
lawn or umbrella tents.1832
Canopy cars.....2006
doors 3913
ends 4320

No.

Canopy insulation strips (see fibre, insulating)..4681
insulators 6664
switches 14576
Cans, ash & garbage....1833
benzine (see cans, non-explosive) 1857
benzine, safety (see cans, non-explosive).1857
candy 1836
cigars, tin 1836a
coffee 1837
comber 1838
condensed milk (see cans, tin).....1875
cordage 1839
cotton 15031
decorated 1841
dry groceries.....1875
drying 15032
dye house.....15033
faucet 1843
fibre 1844
film (see cans, tin)....1875
for hand soap.....1844a
friction top 1844b
garbage 1833
gasoline 1859
gasoline, glass.....1860
gill box.....1845
glass oil & gasoline....1860
grease (see cans, tin)..1875
gun powder.....1846
ice 1847
ice cream.....1848
ink 1848a
jacket 1849
key 1850
lithographic 1866
litho material.....1311
maple syrup.....1852
medicinal preparation..1853
milk 1854
milk shipping.....1855
mill 15034
miners' oil.....1856
non-explosive 1857
oil 1859
oil, miners'.....1856
oil pump 1858
oil, safety (see cans, non-explosive) 1857
oily waste (see cans, waste) 1879
packers', etc.....1862
paint 1863
paper 1864
park waste.....1865
plain & lithographic...1866
pump (see cans, oil pump) 1858
refuse, street & park..1867
roving 1868
rubbish 1869
safety, benzine (see cans, non-explosive).1857
safety, oil & gasoline (see cans, non-explosive) 1857
self-sealing 1870
shipping, wood jacket.1872
spice 1837
sprinkling (see pots watering) 11447
spray 1873
street cleaning.....1874
syrup .....10521 & 1852
tin 1875
tin, fibre & galvanized.1876
tin, fruit.....1877
toilet preparation.....1853
varnish 1863
waste 1879
water railway car.....1879a
wood jacket, shipping..1872
Cant-dogs 1880
flippers, steam.....1883
Cantaloupe canners (see canned goods).....1829
Canteen carriers.....1981
Canteens 1880a
army 1881
miners' 1882
Canthook clasps.....2628
clips 2706
handle machinery.....7961
handles 5821
Canthooks 1884
Cantilever cranes 3352
Canvas aprons..... 209
awnings 14952
bags 378
belting mfrs., rawhide center 738
chairs 2396a
cots 2243a
covers 3321
glove machinery 7963
gloves 5508
lined rattan seat covering 12164
marquises (see tents, awnings & canopies)14952
outing cushions.....3516
roofing 12719
stitched belting..... 739
tents 14952
tool rolls.....12703
trucks 16002

No.

Canvas, wall (see wall coverings) 16606
waterproof 1884a
& cotton duck.....3251
Canvasite wire.....16911
Cap crimpers.....3430
mfrs, uniform.....16226a
nuts, brass.....10190
screw wrenches.....17061a
screws 13192
ventilators 16482b
Cape chisels.....2467
Capitals, carved wood (see carvers, wood, classic) 2107
composition 1885
plaster (see ornaments, plastic) 10411
Capping machines.....7964
machines, bottle.....7841
machines, can.....7926
& punching machines, sleeper 9130
Caps, automobile radiator 1888
automobile tank 1888a
bathing 1889
blasting .....888 & 1890
bottle & flask.....1891
chimney 1893
color for incandescent bulbs 1894
conduit (see bushings conduit) 1715
cork 1894a
delay, electric blasting.1894b
drive 1894c
electric blasting.....1895
flask 1891
fruit jar.....1896
fuse 1897
gun (see ammunition). 155
hitching post.....1898
hub 1899
ice, rubber.....12789
jelly glass.....1901
milk bottle.....1902
miners' 1903
percussion (see ammunition) 155
pile 1904
pipe 1905
pole (see straps, pole).14462
post 11393
railway 15630
roofing, tin 1906
screw 1907
timber (box anchor & timber caps).....1184
timber (joist anchor & timber caps).....6849
ventilating 1908
waterproof 1909
wooden 1910
Capstan bars..... 562
screws 13193
Capstans 1911
cable pulling.....1911a
Capsule machines.....7965
molds 9905
Capsules 1912
Car axles 357
axles (mine car)..... 360
axles (street car)..... 362
bells 720
body bolsters.....1932
bolts 1062
boring machines 7966
box boring machines...7814
box washers (see washers, fibre).....16633
brake chains 2309a
brasses 1387
buffers 1627
builders (see cars) 1995 to 2081
builders' earthenware...1913
builders' wrenches....17062
bumping posts.....11398
buzzers 1748
cans, railway water...1879a
castings 2152a
ceilings 1914
chairs 1928
chutes, unloading.....1915
cleaning compounds....2928
Car cleaning oils.....10284
closet hoppers 6427
coal heaters.....6020
couplers 3278
coupling handles.....5822
curtain fasteners.....4558
curtain rollers & fixtures 12644
curtains & materials...1916
derailers 3695
door fasteners.....4547
door hangers.....3892
door holders.....6228
door lumber rollers...12614
doors & fittings.....1917
dumping machinery....7967
dumpers 1918
enamels 4311
ends 4321
engines, hand 4371a
fare registers.....12300
fender chains.....2310

INDEX

INDEX

No.

Car fender springs (see springs, coil or spiral)14006
fenders & wheel guards.1919
fittings .....1917 & 1928
floats 4874
flooring 4888
forgings 4938a
gates & guards.....1920
gongs 720
guards, safety.....6702
hardware mfrs.....5925
haul chains.....2311
hauls 5972
headlights, electric.....5983
heater deflectors.....3684
heater fittings 4801
heaters, coal.....6020
heaters, electric.....6026
heaters, vapor system..6021
heating apparatus.....6058
heating boilers.....1020
heating hose.....6449
hopper wrenches.....17063
inspectors' torches....15806
insulation refrigerator..6657
jacks 6773
journal bearings (see bearings journal).... 679
journal box oilers.....10249
journal jacks (see jacks, car).....6772
journal lubricators....7626
journals 6850
ladder irons.....6725
lamps 7161
lamps, incandescent electric (see lamps, incandescent electric)7175
lighting apparatus.....1921
lighting belts.....755a
lighting tanks.....14740
lighting trailer connectors 8037
lights, signal 13638
lining 1922
lining nails 10048a
loaders (box car).....7501
loaders (coal car).....7503
loaders (grain car).....7505
loaders & unloaders..7512
locks 7536
mfrs. (see cars).1995 to 2081
motor gear cases.....5362
motor gears.....5375
motor pinions 10880
movers or pushers.....1923
parts of every description 1924
pit motor lifts.....7424
pit oilers 10250
platforms, steel.....11146
plush 1925
pullers 11710
pushers 1923
racks 12057
radiators, electric (see heaters, electric car).6026
repair work.....1926
replacers 12367
replacing jacks (see jacks, car).....6773
rivets 12506
robes, motor 12539
roofing 12720
sanders 12911
sash springs.....14001
screens 13131
seal presses.....11502
seal wire.....16912
seals & sealing presses13250
seat bumpers (see rubber bumpers & cushions) 12780
seat reeds 12256
seat springs (see springs, furniture, etc) 14018
seats 1928
shades (see car curtains & materials)...1916
shop machines.....7967a
signs 13659
spring coiling machines.7968
spring machinery.....7969
springs 14000
stake pockets.....14112
Car starters (see car movers or pushers)..1923
steps & treads.....1929
stoves 14405
street mats.....9613
tanks 14739
treads 1929
trimmings 1930
truck side frames.....1931
truck & body bolsters..1932
trucks, steam & electric 16010
underframes, steel....16226
unloaders 7512
unloaders, coal.....16233
unloaders, sugar cane.16237
ventilators 16483
vestibules 16499
washing brushes (see brushes, window)....1533
water closets.....16674

Car wheel annealing tanks 14741
wheel boring machines..7815
wheel centers.....2274
wheel chucks 2508
wheel flasks (see flasks, molders') 4865
wheel grinding machines 8396
wheel guards.....1919
wheel holders.....6229
wheel lathes.....7261
wheel molding machines (see molding machines, foundry)..8632
wheel presses.....11503
wheels 16766
wheels, ball or roller bearing 16767
wheels (hand & push car) 16786
wheels (mine car)....16793
wheels, steel tired....16810
wheels (street car) (see wheels, car).....16766
window fixtures.....1933
window rubbers (see cleaners, window)...2679
window shades (see car curtains & materials)1916
wiring cleats.....2684
Caramel paste.....10754
Carbanese 1360
iron purifier 1935
Carbazole 1935a
Carbide, boron 1158
calcium 1796
candles 1819
Carbofrax 1935b
Carbolic acid..... 26
Carbolineum importers...1936
Carbon bags..... 378a
bi-sulphide 1937
black diamonds & bortz 1937a
black mfrs.....1938
blocks (welding) 1941a
brushes 1530
cups (see carbon mfrs).1939
cutters, arc lamp.....3531
cutting machines.....7970
decolorizing & deodorizing 1938b
diaphragms (see carbon mfrs.) 1939
dioxide (see gas, carbonic acid) 5190
dioxide indicators 6548
dioxide, liquid 1938c
dioxide recorders.....12227a
discs(see carbon mfrs.).1939
filament lamps.....7162
filtering 1938d
filters for gas works...4732
flour 4898
gas retort 1938e
holders 6230
machinery 7971
manifolding paper.....10665
mfrs. 1939
manganese dioxide.....1940
masticators 9601
packing rings (see carbon mfrs.).....1939
paints 10538
paper 10639
paper colors 2889a
points (see tools, diamond) 15719
reamers 12188a
removers 1941
resistors 12378
rods (see carbon mfrs.).1939
rods (welding) 1941a
scraper sets.....13097
scrapers 13097
silicate of (see carbon black mfrs.).....1938
slug moulding presses..4503a
steel 14197
steel castings.....2153
steel twist drills 4071..4073c
strips (see carbon mfrs.) 1939
tetrachloride 1942
thickeners 15522
tissue paper.....10640
tubes (see carbon mfrs.)1939
Carbonate ammonium.... 152
barium 512c
calcium 1798
cobalt 2791b
creosote 3421a
iron 6692b
lithium 7497c
of ammonia.....1943
of barytes.....1944
(see barium carbonate) 512c
of copper 1945
(see copper carbonate) 3172b
of iron.....1946
(see iron carbonate).6692b
of lime.....1947
(see lime carbonate).7447b
of lead, white.....7337a
of magnesium.....1948
(see magnesium carbonate) 9503b

Carbonate of manganese.9537a
of nickel 10123c
of potash 1950
of silver 13699a
sodium 13855a
sodium anhydrous (see soda ash) 13848
sodium crystal (see sal soda) 12870
strontium 14493b
of soda (see salsoda)
zinc 17131
Carbonating machinery..7973
powders 11460
Carbonation or saturation plants.....1951
Carbonators 1952
Carbonic acid gas cylinders 3634
acid gas compressors...2956a
acid gas regulators...12316
acid gas valves.....16288
gas regulators.....12316
Carbonizers 15035
wool 17043
Carbonizing 1953
boxes, heat resisting nickel alloy, "Pyrolloy" 1188a
furnaces 5055
steel 1954
Carbons, arc light.....1955
battery 1956
crucible (see carbon mfrs.) 1939
projector (see carbons, arc light) 1955
resistance 12376
search light 1958
welding 1939
Carborizing (see compounds,, case hardening & tempering)..2929
Carborundum, paper....10641
wheels 16768
Carboy carriers.....1982
inclinators (see rockers, carboy) 12541
rockers 12541
stoppers (see stoneware, chemical).....14360
Carboys (see stoneware, chemical) 14360
glass 1959
Carburetor tubing.....16097b
wire 16912a
Carburetors 1960
throttle (see carburetors) 1960
Card attachments.....15036
cases 2111a
clothing 15037
cutting dies, round corner 3786
cutting machines 7975
drawer frames.....5004
feed rolls 15350
grinding machines....15039
holders 6231
indexes (see filing cabinets & devices).....4706
middles 15040
plates (see holders, card & label).....6231
printing presses.....11504
racks, wire 12058
repeaters, Jacquard...15041
screens 15368
stitching machines, Jacquard 15042
stretchers 15043
tables 14646
wire 16913
& garnet machines combined 15186
Cardboard 1961
signs 13660
slitting machines.....8737
thermometers 15501
Carders' tools 15044
Cardigans 14554
Carding engines, woolen & worsted 15150
Cards, coin mailing.....1961a
color, paint mfrs.....10526
cotton 15045
file 1962
foss 15046
hand 15047
horse, cotton & wool..1963
index & guide.....1964
Jacquard 15048
peavey 15046
playing 11160
revolving flat.....15049
steel wire stripper....15050
woolen & worsted.....15051
Care stakes, cemetery....2270
Cargo hoists 6175a
hooks, safety 6314a
transferring machinery, marine transfer.....7976
Carlines 1965
Carnation glass.....5441
Carnauba wax.....16698
Carousels, organs, etc....1966
Carpenters (see contractors, building & general) 3044

Carpenters' adze mfrs. (see adze mfrs.)..... 80
aprons (see aprons, canvas, duck, etc)... 209
augers (see bits, auger) 828
bars 563
braces (see braces, bit) 826
chalk 2407
chisels 2478
clamps, adjustable screw, etc... 2568
compasses 2916
gauges 5259
gouges 2478
mallets 9524
pincers (see pincers)..10878
slicks 13773
tools 15710
Carpet awls 337
beaters 696
binding 815
cleaners (see sweepers, carpet) 14556
cleaning machinery....7977
cutters 15100
dryers 15128
fasteners 4567
finishing machines....15160
fraying machines.....8339
knives 6944
knobs 7065
layers' hammers.....5758
linings 7464
loom knives.....7001
looms 15243
machinery 15052
nails 10049
needles 10110
printing machines....15053
rolling machines.....15054
sewing machines.....9062
stretchers 14475
sweeper brushes.....1531
sweeper handles.....5823
sweepers 14556
sweepers, vacuum.....14557
tacks 14681
twisters 15444
vises 16516
Carpeting, rubber (see mats & matting, rubber) 9620
Carpets, cork.....3215
wood (see floors, parquet) 4896
Carrara glass.....5442
marble 9563
Carriage aprons..... 208
axles 358
axles, children's..... 359
blankets (see robes, carriage & lap).....12538
bodies 1802
body plugs.....11212b
bolt, nuts 10192a
bolt wrenches.....17064
bolts 1063
bows 1181
builders' machinery....7978
calls, electric clamps..1967
clamps 2569
cloth, rubber & enamel.1968
cloth, woolen.....1969
cloth, worsted.....1969
curtain fasteners 4548
curtain holders 6232
curtain lights.....7441
door handles 5824
door knobs 7066
door moldings 9894c
drills, rubber.....1968
elevators 4258
eyelets 4517
forgings 4939
hardware 5926
heaters 6018
jacks (see jacks, wagon) 6793
joints 6832
knobs 7066
lamp brackets.....1335
Carriage lamps 7163
nuts, acorn.....10188
poles 13374
rails 12119
robes 12538
seats 1002
shafts 13374
sill plates.....11126
spindle seats.....13268
spindles 13927a
spring machinery.....7969
springs 14002
step pads.....10486
top dressing.....4000
top fasteners.....4548
top hardware mfrs.....5921
top joints.....6833
top props.....11687
top raisers.....12132
top supports.....14536
trimmers' paste.....10755
trimmers' tacks.....14682
trimmings 1970
trimmings, plated.....1971
varnishes 16456
washers (see washers, vehicle) 16658
wheel felloes.....12423

Carriage wheel hubs 6491
wheel rims.....12423
wheel spokes.....13944a
wheels 16769
wrenches 17064
Carriages 1972
children's 1973
gun 1974
hose 6450
saw mill.....1975
tension 1976
Carriers, acid phosphate.1977
aerial cable 1978
ash can 1978a
axe 1981
bagasse 1979a
barbed wire 1979
belt (see conveyors, belt) 3093
bucket (see elevators, bucket) 4256
can & bag, street sweeping 1980
cane 1980a
canteen 1981
carboy 1982
cash 1983
change 1984
curtain 1984a
egg 1985
feed & litter.....1986
golf bag 1987a
game 1987
gravity (see conveyors, gravity) 3113
hay 1988
litter 1986
mail 1989
merchandise 1990
milk bottle.....1991
milk can.....1992
parcel, luggage.....1992a
parcel 10741c
self-feeder wing.....1993
timber 7600
tire (see holders, automobile tire) 6217
trace 1994
wing self-feeder.....1993
Carryall bags..... 379
Carrying chains, wire....2311a
cases 2111b
devices, curtain, for theatres, etc. 3510a
hooks 6315
shanks, ladle.....13380
Cars, air dump.....1994a
air dump, automatic..1996
all around dump.....1994b
annealing furnace.....1994c
asphalt 1995
automatic 1995a
automatic air dump...1996
ballast 1997
barney 1998
billet 1999
blue print..... 954
boiler room.....2000
bonding 2001
bottom dump.....2001a
brick dryer.....2002a
brick & clay.....2002
bridge & gang.....2003
cable & messenger.....2004
caboose 2005
cane (see cars, plantation) 2050
canopy 2006
cement 2006a
charging 2007
charging, open hearth.2008
chemical 2008a
cinder (see cars, hot metal or slag).....2036
clay 2002
coal 2009
coke 2010
coke quenching (see cars, coke) 2010
combination 2011
concrete 2012
construction 2012a
contractors' 2013
core oven.....2014
cradle dump 2014a
creosoting 2015
derrick 2016
double deck 2016a
double truck 2016b
drop bottom 2017
dryer 2018
dump, gravity 2033
dump, industrial 2020
dump, side & bottom..2021
dump, steel 2066
dumping 2022
dumping, railroad 2023
electric 2023a
electric conveying 2024
electric & street.....2068
elevator 4236
factory (see trucks, store, warehouse, etc) 16049
fibre (see trucks, mill).16029
flat 2026
foundry 2027
freight 2028
freight, interurban....1485a
Cars, gable bottom.....2029
gas coke 2030
gondola 2032
gravity dump.....2033
hand, tower.....2072
hand, velocipede, motor.2033a
hand & push.....2034
hopper 2035
hoppers 6426a
hot metal or slag.....2036
industrial 2037
ingot 2038
inspection 2039
interurban gasoline....2041
kiln (see cars dryer)..2018
ladle (see cars, foundry) 2027
liquid cinder.....2042
logging 2043
matte tapping.....2044
messenger 2004
mine 2045
mining, steel.....2066
mold drying.....2046
motor, inspection.....2047
motor cycle side.....9953a
narrow gauge 2047a
open hearth charging..2008
ore 2045
passenger 2048
pig iron.....2048a
pit 2049
plantation 2050
plate & sheet mill.....2051
platform 2051a
pole road.....2052
push 2034
quarry 2052a
radial gate hopper.....2052b
railroad repaired or rebuilt 2053
refrigerator 2054
road contracting.....2054a
rock (see cars, industrial) 2037
rocker dump.....2054b
rolling mill 2054c
rotary tunnel.....2055
sand (see cars, industrial 2037
sand blast (see sand blast equipment) ..12891
scale 2055a
scale test.....2056
scoop 2056a
second-hand 2057
sheet mill.....2051
shop 2058
side dump.....2059
side & bottom dump...2021
skip 2060
spreader 2062
sprinkling, street railway 2063
steam shovel.....2064
steel 2065
steel mining & dump..2066
stone 2037
storage battery.....2067
street & electric.....2068
sugar cane.....2068a
tank 2069
tie 2070
tipple 2071
tower hand.....2072
track 2072a
track laying.....2073
trackless trolley 2074
traction engine.....2075
tram 2076
transfer 2077
tray 2078
trolley repair.....2079
tunnel 2080
two-way dump.....2080a
V dump 2080b
velocipede 2081
wrecking (see cranes, wrecking) 3388
Cart sprayers.....13977a
wheels, toy.....16813
Carton making machinery (see box makers' machinery) 7859
Pierre decorations 3672
sealing machines.....7979
Cartons, paper, folding...2084
Cartridge belts..... 756
blanks 2086
brass 1375b
case annealing furnaces 5055a
exploders 4485
fuses, refillable.....5159
machinery 7980
mfrs. (see ammunition) 155
non-renewable fuses...5156c
paper 10642
primers 11671
Cartridges, dynamite....2087
Carts, barrel.....2094
beam 2100
coal 2088
concrete 2089
concrete spreading dump 2090
crushed ice.....2091
dumping 2092
Carts, garbage (see wagons, garbage) 16570
hand & barrel.....2094
harrow 2095
hose 6450
linemen's 2097
logging 2098
lumber 2098
pick-up or beam.....2100
push (see carts, hand & barrel) 2094
railroad 2101
road spreading.....2102
street cleaning, hand..2103
street sprinkling.....14473
three wheel 2104
two wheeled.....2105
Cartype furnaces 5055b
Carved moldings.....9894e
signs 13661
wood figures.....4687
Carvers, knives 7041a
stone 2106
wood, classic.....2107
Carvers' punches.....11989
Carving knives.....6945
lathes (see wood carving machines).....9458
machine corner block..7981
machines, spindle.....9165
machines, wood.....9458
tools, stone, pneumatic 11311
tools, wood.....15789
Cascade dishes 3846b
Case hardened gears & pinions 5409
hardened nuts.....10193
hardening 2108
hardening boxes.....1264
hardening compounds.2929
hardening furnaces....5046
hardening machines....7983
hardening pots.....11425
linings 7465
seals 13246
watch machinery.....9396
Cased toilet sets.....15660b
Casein 2109
Casement butts 1747a
openers 10365
window adjusters..... 74
window hinges.....6090
windows, wrought steel 16881
Cases, ammunition.....2109a
automobile tire, metal. 325
bankers' 2109b
blacking 2110
blow 932a
blue print..... 956
blue print filing, stock & special.....2110a
bolt 1046
book 1136
bottle, steel.....2130
bottlers' 2111
card 2111a
carrying 2111b
cigarette 2111c
clock & watch.....2112
drill 2112a
egg 2113
fibre shipping.....2128
filing, storage.....4706b
filing, transfer 4706b
first aid (see cabinets, medicine) 1761
fishing tackle.....2115
flashlight 2115b
gear 5361
gear, car motor.....5362
jewelry 2116
mailing 2116a
mailing, for liquids....2117
mailing, screw cover...2126a
miners' squib.....2119
musical instrument ...2119a
optical 2120
Cases, packing (see packing boxes).....10451
pen 2121
pencil 2121
piano 2122
pocket knife.....2123
railroad ticket.....2124
razor 2124a
salesman's 2125
sample 2126
screw 1046
screw cover, mailing ..2126a
shipping, corrugated paper 2127
shipping, fibre.....2128
shipping, metal.....2129
shipping, wood 2129a
shoe polishing.....2110
show 13601
steel bottle.....2130
switches (see boxes, switch) 1286
syringe 2130a
telephone (see telephone cabinet work).14914
tire (see covers, tire)...3339
tool 2131
tooth brush 2131a
torpedo 2132
type 2133
Cases, wall (see boxes, switch) 1286
watch 16666
Cash boxes.....1205
carriers 1983
checks 3429a
drawers 3991
receipt boxes.....1269
recorders 12228
register paper.....10643
registers 12301
& bond boxes.....1199a
Casing cleaning machines, hog & beef.....8446
gas & water pipe.....10941a
heads 5989
hooks 6399
nails 10050
shoes, oil & gas well.13554
spears 13901
spears, oil well.....13903
Casings, boiler, steel.....1003a
gear shield (see gear cases) 5361
steam pipe.....2135
Cask supports.....14537
valves 16289
Casket bars 563a
cloth 2749
corners 2234
handles 5827c
hardware 5927
locks & catches.....7565
presses, metallic.....11504a
trimmings 15957
Caskets 2850c
Casks (see cooperage)...2168
Cassava, starch 14174b
Casseroles 2137
Cassimere looms.....15244
Cast brass tablets.....1496
coat hooks.....6222
elbows 4203
hat hooks.....6222
iron anvils, blacksmith's, etc.)..... 196
iron awnings..... 344
iron balls..... 451
iron bases 595a
iron brazing.....1388
iron caissons.....1793
iron chairs 13327
iron clothes line pulleys 11731
iron columns 2898
iron culvert pipe.....10932
iron culverts.....3482
iron cylinders.....3635
iron drain pipe.....10932
iron drains 3983a
iron filler (see cements, iron & steel filler) 2251
iron fittings for gas & water mains.....4802
iron flanges.....4843
iron frogs.....5025
iron garden vases....16460a
iron gas retorts (see retorts, gas) 12390
iron gears.....5375a
iron griddles.....5600
iron grilles.....5605a
iron hollowware.....6286
iron kettles.....6867
iron nuts.....10194
iron pans.....10588
iron pipe coatings.....3788
iron pipe columns.....2899
iron pipe cutters.....3542
iron pipe cutting machines 7986
iron pipe, drain or culvert 10932
iron pipe fittings (see fittings, pipe).....4816
Cast iron pipe, high pressure 2138
iron pipe, lock joint...10934
iron pipe mfrs., gas & water 2139
iron plate tracks.....15850
iron plugs.....11213
iron pulleys 11729
iron retorts.....12388
iron return bends..... 785
iron sign letters.....7391
iron soil pipe & fittings 2140
iron stack plates.....11069
iron stair treads.....14102
iron stills 14312d
iron storage tanks...14742
iron store fronts.....6690
iron tablets (see bronze tablets) 1496
iron ties 15558a
iron torches.....15807
iron trays 15919
iron washers.....16628
steel filler cements (see cements, iron & steel filler) 2251
steel fittings.....4802
steel pins.....15321
steel pipe.....10935
steel switching rope (see wire rope & cable) 16975

INDEX

INDEX

No.
Cast steel wire rope....16966a
Castellated nuts.....10195
Caster balls..... 452
nuts 10196
rollers 12614a
washers 16629
wheel drilling machines 8221
wheels 16770
Casters, bed.....2141
cups 3494a
furniture 2141
plate mill 2142
sliding (see shoes, sliding furniture).....13564
stove 2143
truck 2143
veneer press 2143a
washing machine 2144
Castile soap (see soap)..13802a
Casting breakers.....1389
cleaners, pneumatic...11305
fillers, iron (see cement, iron & steel filler)...2251
machines (see molding machines, foundry) 8632
machines, leach.....8524
machines, type.....9364
metals, die 9690a
Castings, acid resisting..2145
air furnace.....2146
alloy, aluminum white metal 2146a
aluminum 2147
aluminum bronze.....2148
aluminum, general line, die cast 2147a
automobile 2149
bake oven 2150
bearing metal 2150a
blast furnace 2188
boiler 1007
brass 2151
bridge 2152
bronze 2151
bronze (manganese bronze) 2175
bronze (nickel bronze).2180
bronze (phosphor bronze) 2184
bronze (tubal bronze)..2194
bronze (vanadium bronze) 2196
builders' (see iron, architectural) 6690
car 2152a
carbon, steel.....2153
caustic 2153a
cement mill.....2153b
cement, plain & ornamental 2229
charcoal iron.....2154
chemical works.....2155
chilled 2156
chilled iron.....2157
chrome steel.....2158
compressor 2159
condenser 2159a
contractors and municipal 2159b
converter steel.....2160
copper 2161
crucible steel 2192
die 3741a
die cast 2162
die molded 2162a
die molded, aluminum..2162b
dies, die.....3764
digester, dryer & tank.2162c
dredge 2163
electric steel.....2163a
electrical 2164
evaporator 2165
finished 2165a
furnace 2188
gas engine.....2166
gas & water (see cast iron pipe mfrs.).....2139
glass furnace.....2168
gold 2168a
Castings, grey iron.....2169
gun metal.....2170
Hatfield steel 2192
heat resisting 2170a
iron 2170b
iron special 2170c
lathe 2170d
lead 2171
locomotive 2171a
Lumen bearing.....2172
machinery 2173
malleable iron.....2174
manganese bronze.....2175
manganese steel.....2176
marine 2177
mining 2178
monel metal.....2179
nickel 2179a
nickel bronze.....2180
nickel silver 2180a
nickel steel.....2181
non-corrosive metal....2182
non-ferrous 2182a
open hearth, steel (see castings, steel) 2192
ordnance 2183
Castings, ornamental iron (see iron, architectural) 6690
paper mill.....2183a
phonograph 2183b
phosphor bronze.....2184
puddled semi-steel.....2185
pulley 2185a
railroad 2186
rock crusher.....2187
rolling mill & furnace.2188
semi-steel 2189
semi-steel, puddled....2185
settee 2190
sewer (see covers, manhole) 3330
ship 2191
silver 2191a
special, white metal, aluminum 2191b
stamp mill 2191c
steam shovel.....2163
steel 2192
steel dredge (see castings, dredge).....2163
stone crusher (see castings, rock crusher)...2187
stove 2192a
sugar house.....2193
talking machine 2193a
tin 2193b
tractor 2193c
tubal bronze.....2194
vacuum pan.....2195
valve 2195a
vanadium bronze.....2196
vanadium iron.....2197
vanadium metal.....2198
vanadium steel.....2199
vault light.....2191
water works.....2199a
white metal.....2200
white metal, die cast...2200a
zinc 2201
Castle nuts, semi-finished 10197
Castor machine oils....10286
oil soap.....13805
oils 10285
wheels 16770
Cat boats..... 990
Cat-gut, surgical.....2202
Catacomb or mausoleum slate 13743
Catalog buckram (see cloth, book).....2747
cabinets 1752
envelopes 4423
racks 12055
Catalogues, general hardware 2203
Catch basin covers.....3322
basin traps.....15890
basins 601
Catchers, dust, radiator.12097
fly 2204
grass 2205
mail, railway.....9519
mitts (see gloves, baseball) 5506
potato bug.....2206
& retrievers, trolley...2207
Catchers' body protectors (see baseball body protectors) 593
Catches bag 2207a
basket, fancy 2208
blind 2208a
bonnet, automobile (see fasteners, hood) 4560b
box, fancy.....2208
casket 7565
cupboard 2209
elbow (see catches, cupboard, screen, door, etc.) 2209
end gate.....2210
pocketbook 2207a
screen door.....2209
show case.....2212
transom 2213
trolley 2207
window (see locks, sash) 1557
Catenary bridges.....1475
construction 2214
Caterpillar cranes 3352a
Cathedral rough plate & tile glass.....5443
Cathetometers 2215
Cathodes, gold 2215a
platinum 2215b
Catsup bottling faucets..4580
cookers 3146
machines 7957
Cattle blankets..... 872
dehorners 3689
fences 4636a
guards for railways...5686
hair 5737
horns 6434
leaders 7350
markers 9591
scales (see scales, stock) 13051
stakes 14114
stanchions 14137
ties 15559
Caustic castings.....2153a
Caustic lime 7448
potash 11413
pots 11426
soda 2216
soda kettles.....6868
Cauticized ash 259a
Causticizing apparatus...2217
Cedar chests.....2445
doors (red cedar).....3946
lumber 7651b
paving blocks 10776
poles, western & northern 11375a
shingles 13533
Ceiling fans, belted.....4527
fans, electric.....4528
fixtures, electric adjustable 4825
flanges 4846
hooks 6316
machinery (see sheet metal workers' machines) 9091
nipple threaders.....10140
plates 11092
pulleys 11730
springs for swing harness 14003
switches 14577
Ceilings, car.....1914
marbleized glass.....2218
metal (see ceilings, sheet steel).....2219
sheet steel.....2219
Celakap 2221
Celery hillers.....6080
Cell work, steel.....6800
Cellar box cotters.....3246
door hinge hooks.....6317
door hinges.....6091
doors 3914
drainers, automatic....2222
grates 5579
hoists 6176
window fixtures.....4824a1
window sets.....2223
windows 16882
Cellars, cyclone.....2224
Cells, electrolytic.....2225
leaching, or diffusion batteries 2226
Cellular metal for fireproofing 9666
tire 15642
Celluloid 2227
boxes 1206
brushes 1533
buttons 1731
checks 2430
collars 2881
combs 2908
cuffs 2881
files 4694
hand mirrors.....9849
knives 6946
machinery 7989
shades 13348
signs 13662
specialties 2227a
toilet articles.....15660
transparent 2228
tubing (see celluloid)..2227
Cellulose, acetate 2228a
Cement bags..... 380
belt 2243
bins 820
boiler covering.....10984
brick 1410
brick dust, fire.....1421a
brick machines.....7990
burial vault machinery (see molds, concrete)9906
cans roofing.....1867
cars 2006a
cloth 2749a
coated wire nails.....10051
colors 2889b
concrete block facing..2229
conveyors 3099
cooling towers.....15832
cylinders (see cylinder & tank shells) 3625
Cement dealers (see masons' and builders' material) 9599
drain tile machines.....7994
dryers 4112
fillers 4710a
floor coating.....2789
floor oils 10287
floor tile.....15575
guns 5729
hoppers 6426
importers 2231
importers, Keene's (see cements, Keene's imported) 2253
kiln brick.....1411
kilns 6905
machinery 7991
machinery gears.....5376
mfrs. 2237
mill balls..... 453
mill castings.....2153b
mill motors.....9965
mixers 9863
mixing machines, rubber 3966
Cement molding machines (see concrete building block machinery)....8096
packers (see packing machines) 8687
pails 10500
paints 10536
pans 10589
pipe 10936
pipe coverings.....10984
plant engineers 4335
plaster, exterior "Stonekote" 14349a
plaster separators.....13291
poles 11360
porch column machinery 9906
post machinery.....7992
post molds (see molds, concrete) 9906
pulverizers 11768
rammers 12145
roofing tile.....12740
roofing tile machinery (see cement shingle machy.) 7995
sacking machines.....7993
sacks, paper 405
screens 13132
separators 13291
sewer pipe.....10961
sewer pipe machinery.7994
shingle machinery.....7995
shingles (see roofing tile, cement).....12740
sidewalk name plates.10097
sidewalk tools (see tools, concrete finishing) 15715
skips, stone.....13728a
tanks (see cylinder & tank shells).....3625
testing scales (see testing machines, cement) 9275
testing machines.....9275
testing sieves.....13623
waterproof, household & belt.....2237a
weighing machines, automatic 7996
workers' tools.....15711
Cements, acid proof.....2238
adhesive 2235a
asbestos 2239
asphalt 2240
automobile radiator....2241
belt 2243
billiard cue.....2244
boiler front.....2256
Caen stone.....2245
cast steel filler (see cements, iron & steel filler) 2251
chrome 2246
dental (see plaster mfrs., dental) 11038
disc wheel (see cements, stone and emery) 2266
elastic 2247
fire resisting.....2248
furnace & stove.....2249
high temperature 2250
gasket 2249a
hydraulic (see cement mfrs.) 2237
insulating 2250a
iron filler.....2251
Keene's American.....2252
Keene's imported.....2253
lamp 2253a
leather 2254
linoleum 2255
locomotive & boiler front 2256
magnesite 2257
non-staining Portland...2258
paving 2259
pipe joint.....2260
plumbers (see cements pipe joint).....2260
Cements, Portland (see cement mfrs.).....2237
Portland, non-staining 2258
radiator, automobile...2241
refractory (see cements fire resisting) 2248
retort 2262
rivet 2263
roofing 2264
Rosendale (see cement mfrs.) 2237
rubber 2265
stainless Portland.....2258
steel filler.....2251
stone & emery.....2266
stove 2249
tire 2267
tree 2267a
white, for mortar.....2268
white Portland.....2269
Cemetery care stakes & markers 2270
railings 2271

No.
Center drills.....3277
drills & countersinks, combined.....3277
dump buckets.....1586
finders.....4752
gauges.....5260
grinders.....5610
grinders, lathe.....5629
indicators.....6549
markers.....11990
pieces, plaster (see ornaments, plastic)...10411
plates.....11070
punches.....11990
reamers.....12189
squares.....14065
testers.....14974
twist drills.....4071b
Centering chucks (see chucks, lathe).....2515
machines.....7997
machines, two spindle.7999
steel.....2272
& cutting-off machines.8168
& cutting-off machines axle.....7707
Centers, bench.....2273
car wheel.....2274
clothes reel, iron.....2761
cross strap.....2275
index.....2276
lathe.....2277
milling machine (see machines, milling)..8595
neck yoke.....2278
planer.....2279
push button.....12031
sash & transom.....2280
shaper.....2281
transom.....2280
Centrifugal baskets.....602b
clarifiers.....2622a
cloth-wire.....2755a
compressors.....2957
cream separators (see separators, cream).13296
deep well pumps.....11819
dischargers.....3837
fans.....4529
machines, laboratory..8000
machines, nitrating....8651
metal parts dryers...4118
pump blowers.....936b
pumps.....11818
pumps, multistage high lift.....10033
reels.....12260
separators.....13292
traps.....15891
water tank pumps....11820
wire cloth.....16918
wire screens.....13165a
Centrifugals.....2282
nitrating.....2283
& mixers, sugar.....2284
Ceramic bath tubs (see bath tubs, porcelain). 636
colors.....2889c
lustres.....7659a
mosaics.....15591
tile.....15576
tile machinery.....8001
Cereal roasting machines (see coffee, peanut, etc., roasting machines).....8067
Ceresine importers.....2285
wax.....16698a
Cerium alloy.....118b
ferro.....4648a
metallic.....2285a
nitrate.....2285b
oxalate.....2285c
Certified, food colors.....4917a
Cesspool plates.....11071
strainers.....14424
Cesspools.....2286
Chafe irons.....6726
Chafing dish spoons.....13956
dishes.....3847
Chain adjusters.....69
auto tongs.....15663
belting, silent.....750a
Chain blocks (see hoists, chain).....6177
blocks, differential.....906
bolts.....1063a
bulbs, pull.....1647b
clevises.....2692
conveyors.....3100
dogs.....3870
door fasteners.....4549
drilling attachments (see drills, chain attachment).....4019
drills.....4019
drives for dryers.....4085
electric welded.....2286a
fasteners, sash.....4567a
gears, silent.....5396a
grate mechanical stokers.....9658
hoists.....6177
hoists, electric.....6188
hoists, pneumatic.....11284
hooks & tees.....6417
lewises.....7406
link belting.....740
Chain link coiling machines.....8002
link fences.....4634b
links & chain, punched.2287
locks, automobile.....7524
making machinery.....8003
mfrs. (see chains).....2290 to 2391b
mining machines.....8620
pipe vises.....16517
power transmitting machinery (see chains, power transmission)..2364
pumps.....11821
punched.....2287
repair links.....7476
saw mortisers.....9941
shackles.....13344
sheaves.....13459
slings.....2288
specialties.....2288a
sprockets, silent.....14056a
stays.....2289
stitch sewing machines.....9063
swivels.....14619
tape.....14829
testing machines.....9276
tighteners.....15571
tongs.....15668
tools, motor cycle....15756
transmission, silent ..15875a
welding machines.....8004
wire.....16914
warpers & linkers.....15454
welding hammers.....5754
wrenches.....17066
Chaining machines, yarn.15487
Chains, agricultural.....2290
aluminum.....2291
anchor.....2291a
anti-skid.....2292
anti-spreader.....2293
arc lamp suspension...2294
automobile (see chains, power transmission).2364
automobile engine.....2295
automobile tire (see chains, anti-skid).....2292
automobile tire lock...2296
awning.....2297
band.....2298
bead.....2299
belt drive, noiseless....2358
bicycle.....2300
binder.....2301
block.....2303
brake.....2304
brass.....2305
breast.....2306
bright.....2307
bronze.....2307a
bull.....2308
cable & marine.....2309
car brake.....2309a
car fender.....2310
car haul.....2311
chandelier.....2312
coil.....2313
conductor valve.....2313a
contractors'.....2314
conveyor.....2315
copper.....2316
coupler.....2316a
cow tie.....2317
crane.....2318
detachable link.....2319
die welded.....2319a
differential pulley block.2320
dog lead.....2321
double jointed.....2322
drag.....2323
dredge.....2324
drive.....2324a
elevator.....2325
fence.....2325a
fire hydrant.....2326
fire welded.....2326a
fish net.....2327
flat link.....2327a
flower pot.....2328
furnace.....2329
galvanized.....2329a
gear link drive.....2331
griplock.....2332
halter.....2333
Chains, hame.....2334
hammock.....2335
hand made.....2336
harness.....2337
heel.....2338
high speed, silent running.....2339
hitching or mine car...2340
hog.....2341
hog scraper.....2342
hoist.....2343
hydrant.....2343a
ice elevator (see chains, conveyor).....2315
iron wrought.....2391a
jack.....2344
kennel (see chains, dog lead).....2321
key.....2345
knife.....2346
ladder.....2347
laminated hoisting.....2347
"Link-Belt" silent.....2348
Chains, loading.....2349
log.....2350
log, haul-up.....2350a
loom, friction.....2351
machine.....2352
machinery.....2353
malleable.....2391b
manganese.....2354
marine.....2309 & 2355
mine car.....2340
mining machine.....2356
morse, silent running..2356
motorcycle.....2357
noiseless belt drive....2358
padlock.....2359
pipe hanger.....2360
platform guard.....2360a
plumbers'.....2361
pole (see chains, coil).2313
porch swing.....2362
pot.....2363
power transmission....2364
proof coil.....2364a
pump.....2330
pump, galvanized.....2330
quarry.....2364b
racking.....2365
rafting.....2366
railroad.....2367
register.....2367a
rivetless.....2368
roller.....2368a
roller, steel bushed....2377
roofing.....2369
safety.....2370
sash.....2371
sash attachments for..2371a
ship.....2372
sign.....2373
silent.....2373a
silent running, high speed.....2339
silent running, "Morse".2356
sling.....2288
specialties.....2288a
spreader.....2374
sprocket wheel.....2375
stay (see chains, wagon).....2386
steam shovel.....2376
steel.....2376a
steel bushed roller....2377
stone.....2378
stone conveyor.....2379
straight link.....2379a
stud link.....2380
swing.....2380a
switch.....2380b
tie out.....2381
to sample.....2381a
trace.....2382
tractor.....2382a
transfer.....2383
transmission.....2383a
transom.....2384
tug (see ship chains)..2372
twist-link coil.....2385
twisted link.....2379a
wagon.....2386
welded.....2387
welded fire.....2326a
weldless steel wire.....2388
well.....2389
wheels.....16770
windmill.....2390
wrecking.....2391
wrought iron.....2391a
& buckets, malleable...2391b
& hooks, tourniquet....2391c
Chair back post bending machines.....8005
bottom knives.....6947
cane (see rattan & reed works).....12165
cushions.....3516a
irons.....6727
ladders (see chairs, combination, step ladder).....2393
machinery.....8006
machinery, cane seat..7956
pads.....10487
reeds.....12256
rod racks.....12059
rods.....12553
rosettes.....12769
rounds.....12777a
Chair seat machinery....8007
seats.....13262
sockets.....13824
stretchers.....14476
tips, rubber.....15622
tips, wool.....15623
Chairs, barbers'.....2392
bootblack.....2402
cable stringing.....15980
camp.....1815
canvas.....2396a
car.....1928
cast iron.....2396a & 13327
combination step ladder.....2393
dental.....2394
folding.....2395
head, steel plate.....5976
invalid.....2396
iron.....2396a & 13327
lawn.....13328
metal.....2397
Chairs, opera.....10370
pipe.....2398
rail.....2399
rattan (see furniture, rattan & reed).....5150
reclining.....2400
revolving.....2401
shoe shining.....2403
steamer.....2404
steel (see stools, steel factory & office)....14363
step ladder.....2393
veneered (see seating, veneer).....13257
Chalk, billiard.....2405
bowling.....2406
carpenters'.....2407
line reels.....12260a
lines.....2411
pencils, French.....10796
pencils, propelling & repelling.....10791
precipitated.....2409
& cliffstone, Block.....2410
& masons' line reels..12260a
& masons' lines.....2411
Chambers, air.....2413
Chamfer knives.....6948
Chamferer gauges.....5261
Chamfering machine, die.8176
presses.....11505
saws.....12961
& crozing machines...8008
Chamois.....2413
Champagne nippers.....10134
taps.....14849
Chandelier chains.....2312
hoists.....6178
hooks.....6316
shower plates.....11072
Chandeliers (see electric & gas fixtures).....4220
Chandlery ship.....2413a
Change carriers.....1984
making machines.....8009
Changeable building directories.....1642
Changer, telephone pole.14922
Changers, frequency.....5019a
lamp (see replacers, incandescent lamp) .12368
pole.....2414
Channel bars, interlocking (see piling, interlocking steel)....10375
iron (see steel structural mills).....14267
lamps.....7158
shears.....13412
tires.....15634
& cushion tire.....15634
Channeler springs, rubber.....14032
Channeling machine, stone.....9206
machine, stone, steam & electric air.....9207
Channels, brass.....1386
bronze.....1486
copper.....1386
steel.....14198
(see also steel structural mills).....14267
Chaplets, foundry.....2416
radiator.....2417
Char filters & kilns.....2418
Charcoal.....2419
animal.....2419a
bone.....2420
filters.....4733
furnaces.....5056
grinding mills.....9770
iron blooms.....931
iron castings.....2154
iron gears.....5376a
sheet iron.....6693
sinking furnaces.....5100
Charges, fire extinguishers (see recharges for fire extinguishers)..12226b
Charging barrows, furnace.....550
boxes, open hearth.....1208
buggies.....1633
Charging cars.....2007
cars, open hearth.....2008
cranes.....3353
machines, furnace.....8345
machines, open hearth.8010
scales.....13017
sets, automobile.....2421
sets, storage battery...2421a
tongs.....15669
trucks.....16010a
& drawing cranes.....3353
& truing cranes.....3354
Chart room counters, revolution.....3262
Charts, hydrographic.....2422
& estimate books, plumbers'.....11249
Chaser mills.....9771
Chasers, hand.....2422a
pipe tap.....2423
screw.....2424
Chases, printers'.....2425
Chasing lathes.....7259
Check blanks, brass.....2426

INDEX

INDEX

No.

Check endorsers (see check writing machines) 8011
holders (see holders, ticket) 6272b
nut wrenches 17066a
nuts 10198
perforators 2427
plates 11073
protectors 2428
rower wire.....16915
valves 16290
valves, screw down...16387
writing machines.....8011
& spring mfrs., door...3884
Checker brick.....1453
Checkers 2428a
Checking crayons.....3401
Checks, baggage.....2429
cash 2429a
celluloid 2430
factory time.....2431
fibre 2431a
key (see baggage checks) 2429
metal, all kinds.....2431b
screen door.....2432
tool 2432a
trade 2433
box clasps 2637
box machinery 8012
box nailing machines..8013
box stills for oil.....14313
box tacks.....14683
boxes 1209
cloth 2750
cutters 3543
factory machinery.....8014
factory vats 16463
knives 6949
presses 11506
scoops 13073
tryers 16062
Chemical agitators 86a
apparatus 2434
brick (see brick, acid proof) 1400
cars 2008a
closets 2743
condensers 2998a
dryers 4113a
engine hose.....6452
engineers 4336
evaporators 4441a
evaporators, paper pulp.4442
feed controllers.....3052a
feed devices for water treatment 2435
fire engines.....4760
fire extinguishers (see fire extinguishers)...4773
gauges 5262
glassware 5492
glassware, graduators..5552
glassware thermometers 5552
grinding mills 9793
hose 6451
laboratories 7092
lime 7449
machinery 8015
mixers 9864
nozzles 10171
pans 10590
paper makers 2441a1
plant equipment 2435a
plant pumps.....11822
porcelain 2436
potassium sulphate...11417c
pots 11426
re-agents 12179
retorts 12389
rings 12439
salts 12881
solutions meters 9710d
stirrers 14326
stoneware 14360
sulphate potassium ..11417c
tanks 14743
thermometers 15502
towers 15832a
tower fillings.....4724
washers 16629a
weed killers 6903
works castings.....2155
works condensers.....3999
works percolators.....10815
works receptacles.....12224
Chemically pure granite.5557a
Chemicals 2437
aromatic synthetic 2438
battery 2438a
boiler (see boiler compounds 1004
electroplaters 2438b
enameler's 2439
fireworks 2440
glassmakers' 2439
heavy 2440a
laundry 2440b
liquefied 2442
mantle, incandescent light 2441
nickel & electroplating (see specific item desired)
paper makers 2441a1
perfumers 2441a
photographic 2441b

No.

Chemicals, rubber 2441c
tanners 2441d
textile 2441e
Chemists 2443
analytical (see chemists) 2443
consulting (see chemists) 2443
Chemists' boxes.....1209a
laboratory presses....11507
scales 13026
sieves 13623a
testing instruments....6644
Chenille cutters.....15101
machines 15055
Cherry canners (see canned goods).....1829
pitting machines.....8016
stoners 14350
Chest handlers.....5825
hinges 6092
locks 7535
Chestnut extracts (see extracts tanning)....4515
Chests, cedar.....2445
ice (see refrigerators).12290
stuff 2446
tool 2447
Chewing gum machines..8018
gum wrapping machines 9492
Chicken founts.....4997
Chicle 2447a
Chicory dryers.....4114
mfrs. 2448
Children's carriage axles. 359
carriage springs.....14004
carriages 1973
cradles 3343
steering sleds.....13755
vehicles 16468
wagons (see vehicles, children's) 16468
Chile, saltpetre (see nitrate of soida)....10155
Chilian mills.....9772
Chilled bridge wheels...16771
calender rolls.....12663
castings 2156
hammer dies.....3760
iron dies.....3760a
rolls 12695
rolls for rolling gold & silver 12664
shot, steel.....13577
Chilling drums, wax.....4105
machines, oil.....8669
Chime bells..... 711
clocks 2722a
whistles 16831
Chimes, saddle, pole, hame, etc. 2449
Chimney brushes.....1534
caps 1893
cowls 3340
pipe (see linings, flue).7469
thimbles 15525
thermometers 15503
tops 2450
tops, revolving.....2451
tops, slate (see slate stair treads & risers) 13747
valves 16291
Chimneys, concrete.....2452
for power plants 2457 & 14091
forge 2453
incandescent gas (see shades & reflectors, glass, etc).....13357
lamp, glass.....2454
mica 2455
of perforated radial blocks 2456
steel .....2457 & 14207a
Chin rests, violin.....12384
China clays 2639
colors 2889d
cooking utensils 3149a
domestic, decorated & plain 2458
dryers 4114a
holders 6233
kilns 6907
white (see porcelains, hard) 11386a
wood oils, importers..10288
Chinchilla machines....15056
Chinese blue 952b
Chip pill boxes.....1209h
shredders 13603
wringers (see extractors, oil & grease).....4506
Chipped glass.....5444
glass signs 13663
Chipper knives.....6950
Chippers, cable.....2459
extract & dyewood.....2461b
ice 2461
soap 2461a
Chipping hammers.....5755
knives 6951
machines, heading.....3433
vises 16518
& calking hammers, pneumatic 11270
Chips, cork.....3216
logwood (see extracts logwood) 4513
poker 11353

No.

Chips, soap, (see soap flakes) 13806b
Chisel blanks, pneumatic 11270a
boxes 1209c
ferrules 4663a
foundry (see chisels, cold & cape).....2467
grinders 5611
handles 5826
Chisels, belt.....2462
blacksmiths' (see chisels, cold & cape)....2467
box openers' 2463
bricklayers' 2464
calking 2466
cape 2467
carpenters' 2478
cold & cape.....2467
diamond point.....2468
floor 2469
hollow mortising 2470
ice 2471
oil groove.....2472
plumbers' 2473
pneumatic 2474
single ripping (see bars, carpenters') 563
ship 2478
stone cutters'.....2475
tile setters'.....2476
track 2477
turning 2478
Chloral hydrate 2479
Chlorate barium 512d
of potash (see potash)11412
of soda (see sodium chlorate) 13855b
potassium 11416b
sodium 13855b
Chloride accumulators (see batteries, storage)... 654
aluminum 130c
ammonium 152a
antimony 186a
barium 513
benzoyl 792a
benzyl 792d
cadmium 1787b
calcium, magnesium..1799e
cobalt 2791c
copper 3172c
ethyl 4440b
gold 5525a
gold sodium 5527
iron, crystals 6693a
lead 7337b
lithium 7497d
manganese 9537b
nickel 10124
of acetyl..... 13
of alumina (see alumina) 128
of ammonium (see sal-ammoniac) 12867
of calcium 2482
of lime 2483
of magnesium.....9509
of silver (see silver chloride) 13699b
of sulphur 2485
of tin (see tin chloride) 15607a
of zinc.....17132
potassium 11416c
strontium 14493c
uranium 16241a
Chlorinated lime (see powders, bleaching).11459
Chlorinating barrels..... 524
Chlorination mills.....9773
Chlorinators 2488
rotary 2488a
Chlorine 2489
compressors 2957a
generators 5417
Chloroform 2490
liniment 7463a
Chlorosulphonic, acid..... 26a
Chocks, boat & ship.....2491
Chocolate coating machines 8019
dipping tables (see confectioners' machy)..8104
machinery 8020
mixers 9864a
Choke coils 2855
Choker hooks.....6818
Choppers, apple.....2492
food 2493
ice (see breakers, ice).1391
meat 2493
ticket 15553
Chopping bowls, wood...1179
knives 6952
machines, belt.....7746
trays, wood (see bowls, wood chopping).....1179
Christmas tree decorations (see toys, games and novelties) 15840
tree electric lamps....7163a
holders 6284
Chromate ammonium ... 152b
of iron (see iron chromate) 6694
lead 7338
potassium 11416c1
sodium 13855c

No.

Chromate, zinc 17132a
Chrome, acetate of (see chromium, acetate).2501a
alum 2495
black 2496
blue 2496a
bordeaux 2497
brick 1413
brown 2497a
cements 2246
colors 2889e
cyanide 2497b
ferro 4649
green 2498
nickel steel bars.....14263
ores 10379
oxide 2499
red 2499a
steel billets..... 804
steel castings.....2158
steel plates.....11074
steel shells, rolled....13501
violet 2499b
yellow 2500
Chromic acid..... 27
Chroming machines.....15057
Chromium 2501
acetate 2501a
alloys 120a
copper 3172d
metal, ferro and misc. alloys 2502
oxide 2502a
sulphate 2502b
wire, nickel.....16955a1
Chronographs 2503
Chronometer valves.....16292
Chronometers 2504
Chrysoidine 2504a
Chuck arbors..... 218
work grinders (see grinders, surface) ...5651
wrenches 17067
Chucking, boring & turning machines, automatic 8021
lathes (see chucking machines) 8022
machines 8022
machines, wood.....9459
reamers 12190
reamers, four groove.12190b
reamers, rose 12190a
reamers, three groove.12190b
& boring machines, handle 8422
& boring machines, vertical 7831
& turning machines, automatic 8023
Chucks, air operated.....2505
bit brace.....2506
boring & turning mill..2507
car wheel 2508
centering (see chucks, lathe) 2515
drill 2510
engravers' 2511
expanding 2511a
gate valve seating.....2512
grinder 2513
jaw 2514
lathe 2515
lever 2516
magnetic 2517
milling machine.....2518
nipple 2519
oval 2520
planer 2521
pneumatic 2521a
projectile 2522
revolving 2523
screw machine.....2524
scroll 2525
sheet metal spinning...2526
spinning 2527
split 2528
spring 2529
tapping 2530
track drill.....2531
turning mill.....2507
wire or wheel.....2532
wrenches 17067
Church bells..... 711
decorations 3673
furniture 5140
plates 11074a
Church reflectors 12281
seating (see furniture, church) 5140
spires repaired.....2533
Churn dashers.....2534
drill engines.....4354
drills 4020
drills, tamp.....4068
handles 5827
Churns 2535
creamery 2536
rubber, cement 2536a
Chute fire escapes.....4767
liners (see plates chute) 11075
plates 11075
Chutes, ash, steel plate.2544
coal 2537
coal, foundation, wall..2538
coal, locomotive coaling 2539

No.
Chutes, concrete 2540
ice recording.....2541
mail, for buildings.....9520
package 2542
sand 2543
spiral 2543a
steel plate.....2544
Cider making machinery (see wine making machinery) 9412
mills 9774
presses 9774
Cigar box hinges.....6093
box locks.....7537
box lumber 7651c
box machinery.....8035
box nails.....10052
box openers.....10366
boxes 1210
bunching machines....8026
cans, tin 1836a
cutters 2544
holders 6234a
humidifiers 6498
humidors 6500a
knives 6953
lighter files.....4698
lighters 7432
machinery 8027
makers' seals & sealing presses.....13251
makers' supplies.....2545
moisteners 9892
molds (see cigar makers' supplies) 2545
packers' presses.....11508
Cigarette box machinery, tin 8029
cases 2111c
box machines.....8030
holders 6234a
machinery 8031
packing machines.....8032
paper 10643a
Cigars, wooden.....2546
Cinchonidine & Salts....2546a
Cinchonine 2546b
Cinder buggies.....1634
car ladles (see ladles, foundry) 7130
cars (see cars, hot metal or slag).....2036
cars, liquid.....2042
fans 4529a
grinders 5612
mills, brass.....9768
mills, water.....9831
notches 10165
pit conveyors.....3101
pots 11427
shovels 13582
tongs 15670
& slag machines.....9123
Cinnamic acid 27a
Circle shears.....13417
shears, rotary 13441
& flanging machines...8034
Circles, brass.....2547
bronze 2547
combs & fallers.....15073
copper 2647
platform 2548
tin 2549
Circuit breaker handles.5827a
breakers 1390
breakers, magnetic reset 1392
testers 14975
Circular files.....4695
folding machines.....8035
knitting machines.....15221
knives 6954
looms 15245
metal slitting discs.... 8831
re-sawing machines....8036
saw mills.....12937
saws 12962
saws for metal.....12963
saws, milling 12963a
saws, stone.....12965
slate saws.....12964
stone sawing machines.9212
wood sawing machines.9477
Circulating pumps.....11823
water coolers.....3156
water mouthpieces (see mouthpieces for various purposes) 10021a
Circulators, boiler.....3550
Circumference gauges....5263
Circus lights.....2551
Cistern covers.....3323
pumps 11824
tops 15795
Cisterns 2552
Citric acid..... 28
Civil engineers.....4337
engineers' instruments (see architects & engineers' instruments & supplies)..... 232
Clam canners (see canned goods) 1829
hooks 6319
knives 7011
shell bucket lips.....7489
shell buckets.....1587
shell buckets, electric motor 1588
No.
Clam shell cranes.....3354a
shell scraper buckets..1603
Clamp couplings.....3287
drills 4021
fixtures 4824b
irons 6738
nails 10052a
pins 10896
quick adjusting.....2604a
spindles 13928
vises 16519
& drill combined.....2554
Clamping machines, spring 9180
Clamps, adjustable (see clamps, carpenters)..2568
armband 2555
angle cock (see clamps, carpenter) 2568
bar (see clamps, carpenters' adjustable screw, etc.) 2568
basin 2556
beam 2557
bed 2558
belt 2559
boat builders'.....2560
boiler plate.....2561
boilermakers' 2561a
brake beam.....2562
brazing, saw.....2611
brick carriers.....2562
"C" 2563a
cabinet makers', iron, etc 2564
cabinet makers', wood (see screw, hand)..13201
cable 2565
cable supporting 2566
carpenters', adjustable screw, etc. 2568
carriage 2569
cloth 2570
column 2571
concrete construction..2572
conduit pipe hanging..2573
cord 2555
curtain frame.....2605
demountable rim (see bolts, demountable rim) 1069b
desk 2574
door 2575
eccentric wire.....2576
electric 2577
electric wire testing...2617
flanging 2578
flask 2579
flooring 2530
furniture (see screws, hand) 13201
girder (see clamps, beam) 2557
ground connection.....2582
guard rail.....2583
guy 2584
harrow tooth 2585
hay rack.....2586
hopper 2587
horse 2588
hose 2589
hydrant & water pipe.2590
insulator 2592
key seat.....2594
king bolt.....2595
linemen's splicing.....2596
machinists' 2597
measuring bar.....2598
messenger 2599
mitre 2600
molders' flask.....2579
parallel 2601
piano makers' 2564, 2568 & 13201
piling 2601a
pipe 2602
pipe, steel.....2611
plow 2603
pole 2604
quick adjusting 2604a
quilt frame.....2605
rail bonding.....2606
ring 2607
rule 2609
sash 2575
saw 2610
saw brazing.....2611
screw 2612
ship (see clamps, boat builders) 2560
splicing, linemen's....2596
steam joint.....2613
steel 2614
steel pipe.....2615
strap 2616
testing, electric wire..2617
tire 2555
tool makers'.....2618
trolley pole.....2619
trolley wire 2620
typewriter ribbon 2555
water closet (see clamps, basin).....2556
water pipe.....2590
wire, eccentric.....2576
wire fence.....2621
wire rope.....2622
No.
Clamps, wire test (see connectors, wire test) 3040
wood workers' (see clamp, cabinet makers') 2564
Clapboard gauges.....5264
machinery 8037
markers 9589
Clapper sticks 14296
Clarifiers, centrifugal....2622a
fruit juice.....2622a
glue 2622a
milk 2623
oil 2622a
pharmaceutical 2622a
serum 2622a
sugar 2624
varnish 2625
Clarifying filters.....4734
Clasps, cheese box.....2627
lug & canthook.....2628
pail 2629
Classic wood carvers....2107
Classifiers, ore 2629a
slime 2630
Claw bars (see crow bar mfrs.) 3440
feet, table.....14638
hammers 5780
Claws, coal.....2631
nail 2632
tack 2633
Clay agitators..... 87
ball miners 2633a
boxes porous.....1266
building block machinery 8038
cars 2002
cleats 2688
colors 2634
compounds 2929a
conveyors 3095
crushers 3451
cylinders, white porous.3652
dryers 4111
elevators (see conveyors, brick & clay)...3095
feeders 2635
filtering machinery....8039
fire 4758
furnace 4753
gatherers 2638
goods (see also specific article) 2635a
granulating machines.8387
grinders (see clay grinding machines)....8040
grinding machinery...8040
insulators 6672
miners & shippers....2636
mining explosives (see dynamite) 4178
mixers 9865
picks 10856
pigeons (see traps & targets) 15913
pipe 2636a
pipe culverts, vitrified.3483b
pipes 10996
plows 11182
press cocks.....2804
pulverizers 11769
retorts (see retorts, gas) 12390
saggers, fire 12863b
screens 13132
steaming machines....9201
stove 2637
supplies, glass house..5455
tempering machinery.8041
washing machinery...8042
workers dies.....3757
working machinery...8043
Clays, bleaching (see fullers' earth) 5034
china 2639
crucible 2640
filtering (see fullers' earth) 5034
minerals, etc.....2641
modeling 2642
Clean-up barrels..... 525
pans 10591
Cleaner, auto.....2642a
Cleaners, air 2643
alfalfa seed.....2644
bean 2645
boiler flue & tube.....2646
boiler flue or tube (brushes) 2647
boiler flue or tube (scrapers) 2648
boiler flue or tube (soot blowers & suckers)..2649
boiler flue or tube (steam or power)...2650
boilers, skimmers 2651
boiler, turbine.....2652
(see compounds, cleaning) 2930
bolting cloth.....2653
broom corn.....2654
brushes, dry 1537b
carpet (see sweepers, carpet) 14556
casting, pneumatic...11306
coal 1397
cork 2667
No.
Cleaners, corn 2655
currant & raisin.....2655a
drain 2656
drain pipe.....2657
file (see cards, file)...1962
fish (see scalers, fish)13010
flax seed.....2659
gun 2660
hand 2661
hat, motor driven.....2662
hose 2663
knife 2664
lifting rod.....15229
metal 2666
oat 10229
pavement 2668
pea 2645
peanut 15550
pipe 2669
pot 2670
sack 2671
shoe 2672
sidewalk (see cleaners, pavement) 2668
sink 2673
skylight 2674
smoking pipe.....2675
soot 2676
stock, four cylinder..15422
track 2677
traveler 15439
tube 2646
vacuum, hand & power 16248
vacuum hose 6474
vacuum, stationary & truck 16248a
wall paper.....2678
windshield 2678a
window 2679
& pickers, stock.....15320
Cleaning augers, pipe, flexible 310
compounds 2930
compounds, car.....2928
machinery, carpet.....7977
machinery, coffee & rice 8070
machines, acid.....7673
machines, cotton.....8135
machines, flaxseed.....8313
machines, hog & beef casing 8446
machines, mustard seed 8641
machines, smut.....9145
machines yarn.....15487
rods, conduit.....12554
water main 2680
& drying, compressed air 2952a
& grading machinery grain 8381
& grading machines, green pea 8392
& polishing machines, malt 8567
& washing machines, can 7927
Cleanout doors.....3915
ferrules 4664
Cleanouts 2681
Cleanser, aluminum 2681a
Cleansers (see compounds, cleaning) 2930
Clear varnish 16436c
Clearer cloth.....2751
Cleat receptacles.....12221
sawing machines.....8044
Cleating machines, box...7861
Cleats, awning.....2682
barrel 2682a
boat 2683
car wiring.....2684
clay 2688
compressed wood wiring 2685
conduit 2686
fibre wiring.....2687
porcelain or clay.....2688
rope 2689
telephone 14915
wooden 2689a
Cleaver handles 5827b
Cleavers, butchers'.....2690
family 2690
ice 2691
Cleve's acid 2691a
Clevis nuts.....10199
pins 10896a
Clevises, anchor & chain.2692
bridge 2693
evener 2694
plow, etc.....2695
pump lifting.....2696
structural 2693
Clews 2696a
Cliffstone & block chalk..2410
Climbers, linemen's.....2697
Clinch buttons (see buttons tufting).....1744
nails 10053
rings 12441
rivets, bifurcated.....12507
rivets, slotted.....12508
Clincher gaffs.....5164
Clinical thermometers...15504
Clinker conveyors.....3102
coolers 3157

INDEX

INDEX

No.
Clinker hooks 6320
tongs 15670a
Clinometers 2698
Clip boards..... 968
yokes 17124
Clipper handles, horse....5845b
Clippers, bolt.....2699
cattle dehorning (see dehorners, cattle)....3689
finger nail.....2700
hair, barbers.....2701
horse 2702
orange 2703
rivet 2699
staybolt, pneumatic...11308
Clipping machines.....8045
machines, horse.....8463
machines, oat.....8663
shears 13418
shears, horse.....13430
Clippings, press.....11469
Clips, auto spring.....2703a
axle 2704
breeching 2705
cable hanging (see hangers, electric cable) 5895
canthook 2706
cockeye 2705
damper 2707
doubletree 2715
floor 2708
fountain pen.....2709
fuse 2710
hame 2711
letter (see clips, paper)2712
paper 2712
pen 2713
pencil 2713
saddle 2714
singletree 2715
sleeper 2708
structural steel.....2716
tenter 15428
testing 2717
tube 2717a
wire rope.....2718
Clock cases.....2112
dials 3731
gears 5377
hands 5885
makers' machinery.....8047
makers' presses.....11662
mfrs. 2719
movements 10022
ornaments 10404
pinion drilling machines 8222
pinion turning machines 8046
screws 13233
springs 14005
trimmings 2720
works (see movements, clock) 10022
Clocks, alarm.....2721
alarm, electric.....2727
angelus strikers, quarter & half-hour strikers 2722
automobile 2741
boudoir 2722a1
chime 2722a
cost keeping systems..2723
cuckoo 2724
dashboard 2741
desk 2722a1
differential 2725
electric 2726
electric alarm.....2727
English hall.....2728
laboratory 2730
lace measuring.....2730a
locomotive 2731
marine 2732
pneumatic 2733
program, electric.....2735
secondary electric.....2734
self-winding & program, electric.....2735
Clocks, synchronized systems 2736
time recording system.2737
tower 2738
watchman's 2739
watchman's portable..2740
& watches, dashboard..2741
Clod crushers a levelers.3464
Clogs 2742
Closed circuit batteries... 653
Closers, soil pipe.....13863
& openers, elevator door 4237
Closet connection floor flanges 4845
connections, brass.....3025
connections, rubber....3026
couplings 3288
door spring hinges.....6127
elbows 4204
flushing valves (see valves flushing)....16309
hoppers 6428
knobs 7066a
pulls 11760
screws (see screws, plumbers) 13216
seat bumpers (see rubber bumpers)...12780
No.
Closet seat hinges 6094
seat legs.....7373
seats 13263
spud increasers.....6541
spud reducers.....12253
spuds 14068
stall legs.....7374
ventilators 16484
Closets, chemical.....2743
dry 2743a
dry earth.....2744
range 13508
stove 13508
water (see water closets) 16671-16678
Closing machines, bag..7711
machines, can.....7928
machines, elbow seam.8261
machines for steel lead kegs 8048
Clot machines, auger....7701
Cloth, all kinds.....2744a
asbestos (see asbestos material) 254
asbestos metallic (see packing, asbestos metallic) 10450
automobile 2744b
balloon 2744b
billiard table.....2745
blue print 2745a
boards 969
bolting 2746
book 2747
brattice 2748
brown process 2748a
brushing machines...15059
calendering machines.15060
camel's hair (see cloths, press) 2768
carriage, rubber & enamel 1968
carriage, woolen & worsted 1969
casket 2749
cement 2749a
cheese 2750
clamps 2570
clearer 2751
doubling machinery ..15119
covered buttons.....1732
creasing machines.....8156
curtain (see shade cloth) 13345
cutting, folding & winding machines..15061
cutting knives.....6955
cutting machine blades. 859
cutting machines.....15062
cutting machines, book binders' 7799
dryer guides.....5711
dryers 15129
emery (see paper, flint, sand & emery).....10663
expanders 15153
expanders, Mycock's..15063
fasteners 4550
feeds 15156
finishing machines....15161
finishing presses.....11509
flint (see paper, flint).10663
folding machines.....15167
garnet (see paper, flint, etc) 10663
gummed 2752
hair 5738
inks, tracing (see inks, drafting) 6606
insertion rubber tubing 16114
inspecting machines..15064
insulating 2753
laying machines.....8050
lined paper.....10644
measuring machines, 8579a & 15065
metal filter 2753a
mitreing machines....8627
moistening machines..8630
Cloth motor 9952
oil 10237
packaging machinery.15305a
pasting machines.....8751
press mats 9611a
pressers 15325
pressers, rotary steam.15326
rolled wire 16920c
roller 2751
rolling machines.....15066
room sewing machines 15067
rubber coated.....2754
shade 13345
shearing machines 9082a
sign (see signs, muslin) 13675
slasher (see cloth, clearer & roller).....2751
stamping machines...15068
stretchers 15069
sugar 14510b
testing machines.....15431
tracing 15845
trademarking machinery 9345
tubes 15069a
turning machines.....15070
No.
Cloth, umbrella 2755
varnish 16427
washers 15459
waterproof 2755a1
waterproofing 16686
waxing machines 9397a
weighing machines ...15469
winding machines.....15482
wire 16916
wire, brass & bronze..16917
wire, centrifugal 2755a
wire, centrifugal & filter 16918
wire, Monel metal....16920
wire, nickel 16920a
wire, nickel silver....16920a1
wire platinum 16920b
wire, twilled 16920d
wire, window screen...16921
yard numbering machines 15486a
Clothes bars..... 564
baskets 603
dryers, balcony.....2757
dryers, hot air, steam, etc. 2756
dryers, lawn.....2757
drying frames (see clothes dryers).....2757
hampers 5806a
hangers (see hangers garment) 5896
line fasteners.....4551
line holders.....6234b
line hooks 6321
line pulleys, cast iron.11731
line pulleys, steel.....11732
line pulleys, wooden..11733
line reels.....12261
lines 2758
lines, wire.....2760
locker locks (see locks, locker) 7547
pegs 10784c
pin bags..... 381
pin knives.....6956
pin machinery.....8052
pins 10897
pole 11360a
pressing machines....8053
racks, folding.....12066
reel centers, iron.....2761
sprinklers 14045
sterilizing & disinfecting machines.....9204
sticks 14297
washing machines....9391a
wringers 17109
wringing curd extractors 4498
Clothing cabinets.....1753
card 15037
fasteners 4552
hanging machines 15071
measuring machines..15065
oiled 2762
rubber 2763
wardrobes 16612a
Cloths, copying.....2764
dustless dust.....2765
filter 2766
polishing 2767
press 2768
strainers 2768a
wiping 2769
Clout nails.....10091
Clover bunchers.....1656
cutters 3545
huller attachments for threshers 280
huller knives.....6957
hullers 6492
Club road signs, automobile 13656a
Clubs, golf.....2770
Indian 6545
wooden 2771
Cluster shingles & tiling.13540
Clusters, fixture.....2772
wireless fixture.....2773
Clutch attachments
feeder 15154b
compounds 2931
cone washers (see washers, fibre) 16632
couplings 3299
discs 2773a
facings 2773b
leathers (see linings, clutch) 7466
linings 7466
nails 10054
pencils 10792
springs 14005a
Clutches, arc lamp.....2774
automobile 2775
countershaft 2775a
electric 2776
friction 2777
friction, heavy mill....2778
friction pulley 2778a
gas engine.....2779
jaw 2779a
magnetic 2780
motor cycle.....2781
rail 2782
Coach candles.....1820
lace 7096
No.
Coach makers' vises....16520
pads 10488
screws 13194
Coagulant, concentrated..2783a
Coal augers. 313
bags 382
baskets 604
bins 820
breaker buildings 2783b
breaker machinery ..8055
breakers (see crushers, coal & coke).....3452
breakers & cleaners...1397
bridge controllers.....3053
buckets 1589
buggies 1635
bunkers 1658
car dumping machines.7967
car heaters 6020
car loaders.....7503
car unloaders 16233
cars 2009
carts 2088
charging wagons.....16560
chute doors, steel.....4915a
chutes 2537
chutes foundation wall 2538
chutes, locomotive coaling 2539
claws 2631
cleaners & breakers...1397
controllers 3053
conveyors 3103
crushers 3452
crushing & screening plants 2786
cutters 8056
cutting machines.....8056
cutting & loading machines 8057
dock outfits 3103
drilling machinery 8057a
drills 4022
dryers 4115
dust burners.....1669
dust feeders (see burners, coal dust).....1669
forks 4963
handling bridges.....1476
handling conveyors ...3103
handling hoists 6179
handling machinery...8060
handling & storage plant construction...2784
heating stoves 14414a
hods 6154
hoisting towers.....15834
hoists, incline traveling 6180
hole covers.....3324
hole doors (see doors, ash pit).....3909
hoppers 6426
jigs 6818
mauls 9635
meters 9711
mine explosives (see dynamite 4178 & blasting powder).... 889
mine harness.....5942
mine scales.....13038
mines 2784a
mining machinery.....8617
picking tables.....14647
picks 10857
picks, locomotive (see picks, mattocks & grub).....10856
pocket gates.....5220
pockets 11328
pulverizers 11770
puncher picks.....10858
punching machines (see coal cutting machines) 8056
reloaders 12360
sawer 2784b
scales (see scales, platform or wagon)....13042
Coal scales, automatic..13018
scales, traveling.....13019
scoops 13580
scrapers 13103a
screens 13156
separators 13293
shearing & undercutting machines.....8058
shovels (see shovel, spade & scoop mfrs.) 13580
sifters 13627
sprinklers 14046
station barrows, locomotive 552
stokers, powdered....14335d
storage cranes 3355
storage plant construction 2784
tar colors.....2890
tar creosote 3422
tar derivations 3965a
tar naphtha.....10099
tar paints 10538a
tar pitch.....11005
tar products.....2785
tar tanks.....14744
tipple scales 13056
tipple weigh boxes.....1308

No.

Coal tipples (see tipples, mine) 15621
tongs 15671
undercutting machines.8058
vases 16461
wagons 16561
wagons (ore, coal, etc.) 16585
washing machinery...8059
& coke crushing & screening plants....2786
& ore handling machinery 8060
Coaling station spouts..13974
stations, locomotive...7572
Coalite 2786a
Coarse laid standard, wire rope 16966b
Coaster brakes.....1362
wagons 16562
Coasters, roller.....12607
Coasting recorders.....12229
Coat hangers 2786b
hooks, cast.....6322
hooks, wire.....6323
racks 12069
rails 12120
& hat hook machines, automatic (see wire forming machinery) 9427
Coated nails.....10055
paper (see paper, surface, coated) 10716
Coating, automobile tire.2787
blackboard 2787a
machines blue print... 955
machines, chocolate....8020
machines for roofing (see paper, saturating, coating & waterproofing machines)..8735
mill machinery.....8061
sprayers, cooperage ..13977b
wire rope.....16967
Coatings, cast iron pipe 2788
cement floor.....2789
Coats, duck.....2790
sheepskin lined.....2790a
Cob conveyors.....3105
crushers (see mills, corn & cob).....9780
mills 9780
Cobalt 2791
acetate 2791a
blue 952c
carbonate 2791b
chloride 2791c
copper 3172e
linoleate 2791d
metal 2791e
nitrate 2791f
oxide 2791g
resinate 2791i
sulphate 2791j
Cobblers' outfits.....2792
Cobweb wire glass.....5445
Cocaine 2792a
Cochin oils.....10289
Cochineal 2793
colors 2890a
Cock grinders.....5613
Cockeye clips.....2705
Cockeyes 2794
Cockle machines.....8062
Cocks, acid.....2795
acid proof stoneware (see stoneware, chemical) 14360
air 2796
air brake.....2797
air, rock drill.....2836
ale 2798
asbestos packed 2798a
ball 2799
basin 2800
bath 2801
beer 2798
bibb nose.....2802
Cocks, blow-off 2803
brass 2803a
clay press.....2804
cooler 2805
corporation 2806
cream separator.....2807
curb 2808
cylinder 2809
dial 2810
drain 2811
filter press.....2812
float 2813
four-way 2814
gas engine.....2815
gas meter.....2816
gas service 2817
gas stove.....2818
gasoline shut-off.....2819
gauge 2820
gear 2846
hard lead 2820a
hard rubber.....2821
hopper (see valves, hopper) 16330
hose 2822
hydrant 2823
hydraulic 2823a
indicator 2824
inverted key.....2825

No.

Cocks, lead lined iron....2826
liquor 2827
locking 2828
locomotive cylinder (see cocks, cylinder).2809
meter (gas meter)....2816
milk can.....2829
natural gas.....2830
Newport pattern.....2831
oil (see cocks, liquor).2827
oil wagon.....2832
plug 2833
priming (see cups, priming) 3503
refrigerator 2834
relief 2835
rock drill air.....2836
rubber 2836a
ship 2837
shut-off, gasoline.....2819
soda fountain.....2838
spring key.....2839
steam 2840
stop & waste.....2841
three-way 2842
throttle 2843
traction engine 2844
tuyere 2845
waste 2841
worm & gear.....2846
& bibbs, compression..2847
& bibbs, fuller work...2848
& bibbs, ground key...2849
& bibbs, self-closing...2850
Cocoa bean roasting machines 8067
machinery 8063
mats & matting.....9618
mills 9775
oils 10290
plantation machinery..8064
Cocoanut oil cake.....2850a
oil meal 2850a
oils 10291
Cod liver oils 10292a
oils 10292
Code machines, electric..8064a
Codeine 2850b
Coes ⅝ shank twist drills4071c
Coffee bags 383
cans 1837
cleaning machinery....8070
cooling, stoning & elevating machinery....8065
dryers 4116
filters 4747
grading machines.....8066
granulating machines..8388
hulling machinery.....8915
machy 8066a
mill machinery.....8072
mills 9776
mixing machines.....8628
percolators 10816
pickers 10845
plantation machinery..8071
polishing machines....8068
pots 11443a
roasters 12536
roasting machines.....8067
roasting machines (complete plants)....8069
samplers 12888
strainers 14442
urn faucets.....4586
urns 16246
Coffin handles 5827c
Coffins, caskets, etc.....2850c
Cogging, wood 2850d
Cogs, mill, wood.....2851
Coil, chains.....2313
chains, proof 2364a
files 4695a
pipe, siphons 13710b
presses 11510
Coil springs.....14006
switches 14578
taping machines, armature 7690
water heaters.....6055
winding machines (armature & field coil) 7694
Coiled elm hoops.....6418
spring wire.....16922
Coiling doors, vertical..10749
machines, car spring..7968
machines, chain link..8002
machines for match splits 8073
machines, spring.....9182
machines, wire.....8074
machines, wire spring..9440
Coils, aluminum 2852
ammonia 2853
armature & field.....2854
brass & bronze (see pipe bends & coils).10929
choke 2855
condensing 2855a
cooling 2856
copper (see pipe bends & coils) 10929
gas lighting spark....2857
heating, for steam or hot water heating...6060
ignition (see coils, spark) 2860
induction 2858

No.

Coils, pipe 10929
platinum 2858a
radio choke 2858b
radio frequency 2858c
resistance 2859
saw, butchers'.....12934
spark 2860
spark, gas lighting....2857
stoneware (see stoneware, chemical)....14360
telephone (see induction coils) 2858
Coin bags..... 384
collectors, telephone ..2860a
counting machines.....8075
envelopes 4424
mailing cards 1961a
operating machines (see vending machines)..9382
trays 15919
wrappers 17047
wrapping machines....8076
Coining machines.....8077
Coke bags..... 382
bags, paper..... 385
barrows 546
bins 320
buggies 1636
by-product ovens.....10424
cars 2010
crushed 2861
crushers 3452
crushing & screening plants 2786
dealers 10865
drawing & loading machines 8078
forks 4963
levelers 7397
mfrs. 2862
metallurgical 2863
oven brick.....1414
oven construction.....2864
oven dampers.....3661
oven gas meters, by product 9710c
oven machinery.....8079
oven valves.....16315
ovens 10424
petroleum 2865
pushers 12034
quenchers 12047
quenching cars (see cars, coke) 2010
scraper heads.....5990
scraper hooks 6324
scrapers 13104
wagons 16561
Colchicine 2866
Cold blast valves.....16332
chisels 2467
drawn nuts.....10200
drawn seamless steel tubing 16098
drawn steel.....14208
drawn steel or bronze moldings 9894f
drawn steel shafting..13360
drawn steel shapes...14209
drawn steel wire.....16923
drawn vanadium steel.14210
forgings 4940
japan paints.....10539
metal cutting-off machines 8082
pressed nuts.....10201
pressed oils 10292b
process galvanizing....5169
punched nut presses..11511
punched nuts.....10202
regulators 12317
Cold rolled burned steel shafting 13366a
rolled copper sheets...3183
rolled sheet iron.....13467
rolled sheet steel (see steel cold rolled)...14211
rolled steel.....14211
rolled strip steel.....14213
rolled wire.....16924
rolled yellow metal...17120
rolling machines.....8081
rolling mills.....9777
saw blades.....12929
saw cutting machines, armor plate.....7695
saw cutting-off machines 8082
saw cutting-off machines, multiple.....8083
saw sharpening machines 8084
saws (see cold saw cutting-off machines).8082
shuts 2867
storage doors.....3916
storage insulation.....6650
storage plant construction (see ice & refrigerating machines) 8485
storage rooms (see refrigerators & cooling rooms) 12294
storage tanks.....14745
water paints.....10540
& hot presses 11564a
Collapsible boats (see boats & rafts life)... 997

No.

Collapsible buckets & pails 1615
drinking cups.....3495
steel centering (see centering, steel).....2272
taps 14850
tube closing machines.8085
tube filling machines...8086
tubes 16069
tubes, metal (see tubes, collapsible) 16069
Collar bells, dog (see bells, toy) 719a
bolts 1064
buttons 1732a
fasteners 4560
flangers (see boiler heads, flanged & dished) 1008
folding machines.....8087
leather (see leather, harness) 7361
molding machines 8088
oiling bearings..... 678
screws 13195
seam dampening machines 8089
shaping machines.....8090
supports covered wire..2868
& cuff laundry machinery 8091
Collarette cutting machines 15072
Collars axle.....2869
celluloid 2881
dog 2870
horse 2871
or nuts.....10212
pole 2873
Pyralin 2881a
rubber swimming.....2874
safety set.....2875
shafting 13361
shingle saw.....2876
spacing, for milling cutters 2877
split 2878
thrust 2880
waterproof 2181b
Collecting fans 4529b
shaving systems.....13402
Collectors, coin, telephone 2860a
dust, mechanical.....4170
dust, sugar (see sugar machinery) 9227b
Colleges & schools, engineering 4332
Collets 2882
twist drill 2883
Collodion 2884
Cologne spirits.....13934
Colonial candlesticks.....1826
door knockers.....3902
Color caps for incandescent bulbs.....1894
cards, paint mfrs.....10526
cups 3494b
mfrs. & importers.....2885
matching outfits.....2886
Colored crystal glass....5445
dustless crayons.....2404
foreign marble.....9564
glass 5445a
tissue paper.....10722
Colorimeters 2886a
Coloring, incandescent lamp 2887
Colorists, water, architectural 234
Colors, acid 2887a
alizarine 2888
aniline 173
basic 2888a
butter 2889
carbon paper 2889a
cement 2889b
ceramic 2889c
china 2889d
chrome 2889e
clay 2634
coal tar.....2890
cochineal 2890a
confectioners' 2890b
developed 2890b1
direct 2890c
dry (see color mfrs. & importers) 2885
earth 2890d
enamel 2890e
food 2890f
food, certified 4917a
fresco 2891
glass 2891a1
ink 2891a
iron blue 2891b
lake 2891c
leather 2891d
linoleum 2891e
mineral 2891f
mortar 9936
oil (see paints, oil)....10563
oil, artists' 10238
oil, soluble.....10243
paint 2891g
pottery (see colors ceramic) 2889c
printing ink 2891h
pulp 2892

INDEX

IMPORTANT The Numbers in this Index refer to the Classification direct and not the Page Number.

INDEX

No.

Colors, rubber makers ..2892a
soap 2893
soluble oil.....2893a
steel 2894
sulphur 2895
wood, stain 2895a
& fillers, papermakers'.2896
& materials, artists.... 246a
Column bases, porch.....598
clamps 2571
coverings 2897
cutting machines, granite (see stone cutting machines).....9208
Columns, absorbing 2897a
artificial marble (see marble artificial) ...9561
cast iron.....2898
cast iron pipe.....2899
concrete reinforced....2900
distilling 2900a
fire-proof 2901
granite, polished.....5558
interior, wood.....2905
marble, artificial.....9561
marble, monolithic.....9565
mercury testing.....2902
metal 2903
pipe 2903a
porch, pressed steel....2904
porch, wood.....2905
slate 13736
steel pipe.....2906
water, plain.....16678
water, railroad.....16679
water, safety.....16680
Comb circles & fallers..15073
tools 15712
& hair pin machinery & tools 8092
& brush sets 2906a
Comber cans.....1838
needles 15297
Combination asbestos gaskets, copper.....5204a
cars 2011
cocoa & steel mats....9606
counters, counter & watch 3263
dippers & funnels 3823
elevators, hand & belt power 4259
gas & oil burners.....1670
gas and oil furnaces...5057
heaters 6023
letter & parcel mailing devices 9521
parcel & letter mailing devices 9521
pipe vises.....16537
pliers 11162a
recording pressure & vacuum gauges.....5265
squares 14066
step ladder chairs.....2393
stoves, coal & gas.....14407
switches 14579
tools 15713
water pressure gauges.5266
wire & picket fences...4635
wrenches 17068
Combined air & circulating pumps.....11825
anvil, vise & drill..... 193
anvil & vise..... 194
auger brick machine & pug mill.....7700
Combined boilers & pumps 11974
bolt header & shoeing vise 1043
brushing & shearing machines 15373
clamp & drill.....2554
cork-screw & screw driver 13167
countersinks & center drills 3277
die sinking & milling machines 8181
ditcher, grader & loader 3859
drill & reamer taps...14851
drill & vise.....4011
drilling & milling machines 8246
drilling & tapping machines 8249
drills & listers.....4076
engine & boiler.....4330
force & natural draft cooling towers 15833
forming roll & fitting table 4984
garnet & card machines 15186
gas washer, boiler & burner 5200
grain & fertilizer drills.4035
guard rail brace & tie plate 5684
harrow & cultivator...5949
harvesters 5962
indicating & recording gauges 5291
jewel box & pin cushion 3518b
Combined nibber & trimming machines 8648
oil separators & filters13319
pincer, plier & wrench10877
pipe taps & drills....14876
pipe wrench & pipe cutter 17090
pumps & boilers.....11974
punch, shear & rod cutter 11975
punch & shear, hand power 11977
punch & straightener.11978
punching & cutting machines 8886
punching & shearing machines 8888
radial & thrust bearings 671
reaming, counterboring & tapping machines.8907
riveters & punches....12497
roller & pulverizer....12609
saw & rotary planer..12947
screw driver & corkscrew 13167
shear & flanging machines 9083
shear & hot punch...13406
shearing & brushing machines 15373
shears & punches.....8888
soldering iron & blow torch, benzine.....13876
soldering iron & blow torch, gasoline.....13877
tapering roll & swedger 14835
taps & drill, pipe....14876
trip & throttle, valves.16292a
ventilator & skylight.16479
voltmeter & frequency indicator 16546
washer & fuller.....15458
window screen & awning 16876
Combing aprons, worsted 14998
Combs, aluminum.....2907
celluloid 2908
circles & fallers.....15073
cotton 15074
doffer 15075
hair 2908a
hair drying.....2909
horn 2910
lacing fibre 2910a
mane 2911
slasher 15076
weavers' 15077
wool 15078
Combustion boats 991
engineers 4338
indicators 6550
recorders 12230
tubes 16069a
Comealongs or wire pullers 2912
Commercial amyl acetate. 156a
automobile metal bodies 1000
automobile wood bodies 1001
Commode pails.....10501
Common brick.....1416
flat boy bearings..... 672
Commutator bar copper.3177
bars 565
compounds 2932
dressing (see compounds, commutator) 2932
graphite 5567
lubricant (see compounds commutator).2932
refilling & armature rewinding 237
rings 12442
segments (see bars, commutator) 565
slotting machines.....8092
stones 14350a
truing device.....2913
truing tools.....15714
Commutators 2914
Companion flanges.....4844
Comparators 2914a
Comparison riveters, pneumatic 11271
Compass boards.....15079
saws 12966
Compasses, aeroplane ...2914b
blackboard 2915
carpenters', etc.....2916
engineers' 2918
saddlers 2916a
ship, etc.....2917
surveyors' & engineers'.2918
Compeb mill liners 7461a
Compensators 2919
Compensating, gears 5877b
sprockets 14053a
Compensators, arc lamp..2920
automatic 2920a
gas 2921
motor starting.....2921a
Complaint recording meters 9732
No.
Complete acid plants.... 45
condensing plants.....3010
galvanizing plants....5173
gravel plants (see sand handling plants)...12899
sand plants (see sand handling plants)....12899
smelting plant equipment 13787
stone crushing plants.14339
Complexion brushes.....1534a
Composimeters, gas 5191
Composing sticks, printers' 14303
Composite fire doors, sliding & swinging type.3928
Composition black boards 848
boat spikes.....13917
buttons 1733
calender & paper machinery rolls.....12666
capitals 1885
cold moulded 2922a
flooring (see flooring, sanitary) 4892
gear, protective 5364
harness rings.....12454
ingots 6590b
leaf 7354
moldings (see ornaments, composition).10405
ornaments 10405
pulpits 11767
roofing 12721
socket keys.....6894
weatherproof keyless, electric lamp sockets 13829h
Compositions buffing.....2922
Compound boxes 1210a
engines 4355
for grease-proofing & waterproofing paper..2922c
pressure & vacuum gauges 5267
proofing 2922a
pumps 11826
roof paving.....12709
roofing 12722
tables, drilling machine 2923
waterproofing paper...2922a
Compounds, acid tank lining 2924
anti-freezing 2925
battery (see chemicals, battery) 2438a
boiler 1004
brake 2931
brazing 2926
buffing (see compositions, buffing).....2922
cable 2927
car cleaning.....2928
case hardening & tempering 2929
clay 2929a
cleaning 2930
clutch or brake.....2931
commutator 2932
core 2933
crucible, clay & graphite 2934
cutting 2935
Compounds, damp proofing (see waterproofing materials).....16687
drawing 2935a
drilling 2935
dust laying (see road binders, etc).....12530
electric cable 2936
fireproofing 2937
for greaseproofing & waterproofing paper..2922a
gear 2938
graphite 2934
grinding 2951
impregnating 2939
insulating 2940
iron filler (see cements, iron & steel filler) 2251
lamp coloring & frosting (see coloring, incandescent lamp)...2887
luminous 2940a
manganesite 9541c
marine (see paints marine) 10558
metallic journal bearing 2941
molding 2941a
motor chain.....2942
parting 2943
pickling 2943a
pipe joint.....2944
platers' & polishers'..2945
polishers' 2945
pothead 2927
rope 4004
rust proofing 2946
saturating (see compounds, impregnating) 2939
sewer joint.....2947
sizing 2947a
splicing 2948
No.
Compounds, spraying ...2949
steel filler (see cements, iron & steel filler) 2251
sweeping 2950
tempering 2929
valve grinding 2951
waterproofing 16687
welding 2952
Compressed air cleaning & drying 2952a
air drills (see pneumatic drills) 11275
air engines 4356
air locomotives 7585
air painting sprays..11290
air rock drills.....4056
air tanks (see tanks air compressor) 14727
wood wiring cleats.....2685
yeast machinery 8094
Compresses, cotton.....3250
Compression cocks & bibbs 2347
couplings 3290
gauges 5268
rivet dies.....3761
riveters, pneumatic...11271
springs (see springs extension & compression) 14015
stops & waste.....14382
tank pumps.....11827
work (see cocks & bibbs, compression)..2847
Compressor, air tanks..14727
castings 2159
governors 5532
governors, electric motor 5533
governors, motor driven 5536
motor driven, three cylinder, two stage, variable volume 2971b
regulators, electric....12318
Compressors, acetylene...2953
air 2954
air, portable 2955
ammonia 2956
carbonic acid gas.....2956a
centrifugal 2957
chlorine 2957a
Corliss 2958
corn shock.....2959
diesel auxiliaries.....2959a
fuel oil.....2959b
garage 2960
gas 2961
gasoline 2962
gasoline extraction.....2963
hydraulic, for web or T rails, etc. 2964
hydrogen gas.....2970
hydro turbine.....2965
low pressure.....2966
mine car.....2967
motor driven.....2968
oil engine driven.....2969
oxygen gas.....2970
spraying 2971
Compressors, sulphur dioxide 2971a
three cylinder, two stage, variable volume, motor driven...2971b
turbo 2972
water jet air.....2973
Comptometers (see adding machines).....7674
Computing machines.....8095
scale glass 5449a
scales 13030
Concave cutters (see cutters milling).....3573
saws 12967
Concealed, hinges 6094a
Concentrate dryers.....4120
filters 4735
Concentrated coagulant..2783a
Concentrates 2974
titanium oxide 15651b
Concentrating dryers....4116a
mill jigs.....6819
mills 9824
pans 10591a
tables (see concentrators, ore).....2977
Concentrators 2975
acid 2975a
alcohol crude 2975b
ammonia 2976
magnetic 2976a
ore 2977
vacuum 2978
Concentric traveling cranes 3355a
Concrete anchors..... 159
arches 2985
atomizers (see guns, cement) 5729
barge builders 511a
barrows 547
binder 2979
bins 818b
block facings, cement..2229
block machinery 8096

No.

Concrete bond 2981
breakers, traction.....2982
brick machines (see cement, brick machines 7990
bucket hoists.....6182
buckets 1590
buggies 1636a
building block machinery 8096
bulkhead builders.....1649
burial cases & vaults..1662
bush hammers 5798
cars .....2012 & 2089
carts 2089
chimneys 2452
chutes 2540
coatings (see waterproofing materials).16687
column spirals.....13933
construction clamps....2572
construction forms 4986a
construction, reinforced2995
conveyors 3099
curb guards (see concrete curb steel bound) 2982
curb, steel bound.....2983
dam contractors 3044a
distributing plants.....2984
elevators 4260
engineers, reinforced...2995
facing 2980
finishing tools.....15715
finishing trowels.....15988
floors & arches.....2985
floor paints 10547a
form fasteners.....4554
forms 2986
forms, collapsible (see centering, steel).....2272
form wall ties.....15570
foundations (see bridge foundations) 1471
handling cableways....1781
hanger supports.....2987
hangers 5889
hardeners 5915
heaters 6023a
hoisting towers.....15835
holders 6235
hopper gates.....5221
inserts 2988
inspection 6624
material, testing apparatus 14988a
mixer trucks.....16011
mixer wheels 16771a
mixers .....2989 & 9865a
mixers for street paving2991
molds 9906
paints 10536
picks 10856
piles 10874
pipe machinery.....7994
pipe, reinforced.....10955
poles 11360
post machines (see cement post machines).7992
posts 11399
presses (see concrete building block machinery) 8096
products plant mixers..8069a
rammers, pneumatic..11304
reinforced columns.....2900
reinforced engineers (see concrete steel construction reinforced) 2995
reinforced sewer pipe.10962
reinforced tanks.....14790c
reinforcement (see concrete reinforcing materials) 2993
reinforcing bar bending machines (see benders, reinforcing bar). 782
reinforcing bars, iron & steel 2992
reinforcing materials..2993
reinforcing steel, "Truss-it" 16061
road finishing machinery 8305a
road templates 14946a
rollers 12615
roofing tile.....12740
roofing tile machinery (see cement shingle machinery) 7995
shovels 13584
skips (see boxes, scale) 1274
slag 13735
sockets 2994
spades 13895
spreaders 13986
spreading dump carts 2090
steel construction, reinforced.....14223a & 2995
steel railroad ties.....15560
stripper block machines 8096b
structural tile machines 8097
tampers 14719
tanks, reinforced 14790c

No.

Concrete testing machines 9277
tooling hammers.....5757
traveling cranes.....2355
waterproofing matls...16687a
Condensation pumps....11828
receivers (see tanks, condenser) 14746
Condensed milk (see canned goods) 1829
milk can machinery...8098
milk cans (see cans, tin) 1875
milk machinery.....8099
steam canners (see canning apparatus).....1829b
Condenser aprons..... 210
boxes 1211
castings 2159a
ferrules 4665
ferrules, hard fibre....4666
head boring machines.7816
packing 10452
paper 10645
plates 11076
pumps (see condensers, steam) 3005
shells 13493
tanks 14746
tubes .....2995a & 16069b
tubing 16099
Condensers, air.....2996
ammonia 2997
barometric 2998
chemical 2998a
chemical works, etc...2999
copper 2999a1
distilled water 2999a
eductor 2999b
ejector 3000
electric 3001
gas 3002
independent 3005
jet 3005
multi-jet 3002a
nitric acid 3002a1
obnoxious vapor.....3002b
oil refining 3003
radio receiving 3003a
radio transmitting.....3003b
reflecting, for dark field illumination 3004
reflux 3004a
steam 3005
steam turbine.....3006
surface (see condensers, steam) 3005
telephone 3007
tubular 3008
tubular ammonia 3008a
vacuum 3008b
vapor 3009
wool 15484a
Condensing apparatus, stoneware (see stoneware, chemical)....14360
coils 2855a
lenses 7385b
machines, milk.....8593
plants, complete.....3010
plants, Weiss central...3011
Condensite 3011a
Conditioning air (see washers, air).....16620
machines yarn.....15488
ovens 15081
Conductor elbows & shoes 4209
pipe elbows 4209
pipe fasteners.....4555
pipe hangers.....5890
pipe hooks.....6325
pipe & eave trough machinery 8100
pipe & eave trough mfrs. 3012
rods 12553a
shoes 4209
strainers 14425
sugar cane 3012a
Conductors, armored.....3013
ticket-punches 11991
valves 16293
whistles 16832
Conduit benders..... 778
box receptacles.....12222
boxes 1242
bushings (see bushings, outlet) 1715
bushing adapters..... 64
cleats 2686
couplings 3291
elbow former.....3014
elbows 4205
fasteners 4556
fittings 4804
joint wrappers 17048
hangers 5891
lock-nuts (see bushings, outlet & locknut) 1715
machinery 8101
manhole tops (see covers, manhole).....3330
pipe hanging clamps...2573
pipe reamers 12191
rod couplings (see rods, conduit wiring & cleaning) 12554

No.

Conduit sealing plugs ..11214
threading machines....8103
tubing (see sleeving, cotton) 13769
wiring & cleaning rods 12554
Conduits, flexible metallic 3017
interior 3018
underground 3019
wood, creosoted.....3019a
Cone grinders.....5616
machinery, ice cream..8476
pulleys 11734
tubes (see cap tubes)..15085
winders 15473
Cones, automobile.....3020
blacksmiths' 9534
friction (see pulleys, cone) 11734
ground 3023
ore concentration 3023a
roof 3024
Confectioners' colors 2890b
gas furnaces 5058
hammers 5758
machinery 8104
molds 9898
scrapers 13105
stoves 14408
Confetti 3024a
Congealing & freezing tanks 14747
Congo, gum 5717c
Congoleum, rugs.....12803
Conical mills.....9797
tips 15623a1
Connecting links 7477
rod boring machines, locomotive 7823
rod planing machines.8812
rods 12655
rods, brake lever.....12547
screws, ball cocks....13182
wire 16925
Connections, cicset, brass.3025
closet, rubber.....3026
hose 3027
hose, high pressure...6452
sewer 13327
Siamese 3028
slip joint.....3029
steamer 3030
tire pumps 3030a
underground box.....3031
Connectors, battery.....3032
bell cord (see connectors, wire).....3039
box 3033
cabinet 3033
electric train.....3034
sleeve wire.....3035
stage 3036
trailer, car lighting...3037
trolley wire.....3038
wire 3039
wire test.....3040
Conservator, oil transformer 10238a
Conservatories 5598
Conservatory furniture....5144
Constant current regulators 12318a
Construction, cars 2012a
catenary 2214
information, advance.. 76a
steel, for concrete.....14223a
Construction, store front 14383
wrenches 17068a
Constructors, fire proof..4778
of complete oil refineries 10242
of steel mine & mill buildings 14232
toluol recovery plants.15662a
Consulting architectural engineers 4334
chemists (see chemists)2443
heating engineers.....6070
structural engineers...4334
ventilating engineers..6070
Consumers, smoke (see fuel economizers).....5031
Contact bearings, angular 665
points 11337a
springs 14007
Contacts, electrical 3041
Containers for liquids....3041a
metal 3042
paper (see cans, paper)1864
steel 3042
Continuous feed & resetting recorders 12231
furnaces 5058a
hinges 6095
kilns 6908
mills 9778
oiling systems.....10276
presses 11513
rail joints.....12109
roller presses.....11514
rolling mills.....12648
thickeners 15523
Contract lathe work.....7251a
Contracting builders.....3044
builders, large.....1640
cars, road 2054a

No.

Contracting, heating & ventilating engineers..6061
machinists 3042a
Contractors, asphalt paving 3043
brick work (see builders, contracting.....3044
building 3044
dam concrete & masonry 3044a
docks, bulkheads, foundations 3045
dredging 3046
electric railway (see contractors building & general).....3044
electrical 4222
general 3044
granite building work.5557
heating, steam & hot water 6061
paving (see contractors, building & general) 3044
paving, asphalt.....3043
paving, wood block...3049
pile driving.....3047
power house 3045
railroad (see contractors, building and general 3044
sewer (see contractors, building & general)..3044
steam heating.....6061
street railway (see contractors, building & general).....3044
structural iron (see steel structural work) 14263
waterworks 3048
welding (see welding, autogenous) 16743
wood block paving.....3049
& municipal castings..2159b
Contractors' barrows (see barrows, various kinds) 544 to 559
bonds (see insurance, indemnity bond).....6630
buckets 1590a
cableways 1782
cars 2013
chains 2314
equipment 3049a
harness 5943
hoisting engines.....4374
horse powers.....6440
locomotives (see locomotives, industrial & mine) 7592
material elevators 4262
material hoists 6183
picks 10856
plants 3049b
plants, asphalt.....3049c
plows 11183
portable light.....3050
portable saw rigs (see sawing rigs, portable) 12950
pumps for sewers & foundations 11829
supplies, second hand..3051
tents 14952
tools & supplies.....3051a
wagons (see wagons, dumping) 16565
Control switches.....14579a
valves, pressure & temperature 16369a
Controller fingers.....4755
handles 5817
linings 221
regulating handles (see handles, brake & controller) 5817
regulators, electric railway 12319
segments 13279
Controllers, air compressor, electric (see regulators, compressor, electric) 12318
automatic electric.....3052
chemical feed.....3052a
coal & ore bridge.....3053
crane, electric.....3345
draft (see regulators, heat) 12334
drum electric (see controllers, electric hoist) 3056
electric elevator.....3054
electric fan.....3055
electric hoist.....3056
electric motor.....3057
electric pump.....3058
electric speed.....3059
emery wheel speed....3060
fire & flame, automatic 3061
gas pressure (see regulators gas pressure) 12332
humidity (see regulators, humidity).....12335a
machine tool 3062
magnetic switch.....3063

INDEX

INDEX

No.

Controllers, mill table...3064
motor 3065
ore bridge....3053
pressure (see regulators, pressure)....12342
printing press....3066
pump ....3058 & 5540
pump, electric....3058
railway motor....3067
rate, for filters, etc....3068
rheostatic 3069
steel mill motor 3069a
switch circuit....3070
synchronous 3070a
temperature 3071
thermometer, electric..3072
vacuum 3073
valve 3074

Controlling rheostats, speed 12399
valves, altitude....16267
valves hydraulic pressure 16335

Controls, automobile headlight 3074a
light, for automobiles.3074b
mercoid 3074e
spark & throttle....3074c

Converter bottoms, brick.3075
steel castings....2160
Converters, Bessemer...3076
copper 3077
electric 3078
frequency 3079
rotary 3080
side blown....3082
steel casting....3081
steel, side blown....3082
wire test 3083

Convex & concave cutters 3573
Conveying cars, electric.2024
fans 4529b
machinery (see elevating & conveying machinery) 8272
machinery beet sugar..7743a
machinery cane sugar.7957a
telpherage, electric...14941a
kettles 6869
trolleys, electric....15978
& elevating machinery.8272

Conveyor bearings, spiral. 693
belting 741
belts 741
buckets 1594
chain links....7479
chains 2315
chains, stone....2379
flights 4871
idlers belt....6527
magnets 9512a
ovens 10424b
parts, manganese steel 3085
scales 13021
tables 14647a
troughs 3086
weighers 3087

Conveyors, air pressure..3126
apron 3088
ash can....3089
ash handling....3103
automatic power....3090
bag filler....3091
batch 3092
belt 3093
billet 3136
bottle 3094

Conveyors, bread....3094a
brick 3095
bridge 3096
bucket 3097
cable (see conveyors, wire cable)....3139
canners' 3098
cement 3099
chain 3100
cinder pit....3101
clay 3095
clinker 3102
coal & ash handling..3103
concrete (see conveyors, cement) 3099
corn & cob....3105
cotton & wool....3106
crop 3434a
drag 3107
dredge 3108
feed (see carriers, feed) 1986
fertilizer 3109
flight 3110
flour (see conveyors, grain elevator)....3112
freight 3111
grain elevator....3112
gravel & sand (see conveyors, coal & ash handling)....3103
gravity 3113
gravity, roller 3114
gravity, spiral....3115
hot coke 3116
hot metal 3117
ice (see ice handling machinery) 8481

No.

Conveyors, limestone (see rock & ore) 3130
link-belt 3119
litter (see carriers, feed & litter)....1986
log & lumber....3120
mechanical 3121
merchandise (see carriers, merchandise)..1990
molding sand....3122
newspaper 3123
ore 3130
pan 3124
pipe 3125
pneumatic 3126
portable 3128
portable belt 3128a
ribbon scroll....3129
rock & ore....3130
rolling mill....3131
rubber belt....3132
sand 3103
saw dust 3133
saw mill (see conveyors, log & lumber)..3120
scraper 3134
screw 3135
shingle (see conveyors, log & lumber)....3120
slab & billet....3136
spiral 3137
stock 15082
suction 3138
sugar mill 3138a
waste end....15083
wire cable....3139
wool 3106

Cookers, apple butter....3140
corn 3228
cottonseed (see cottonseed oil machinery)..8137
doughnut 3140a
feed 3141
fireless 3142
fish 3143
for fruit & vegetable canneries 3144
linseed (see cottonseed oil machinery)....8137
meal 6039
pressure (see cookers, steam) 3145
steam 3145
tomato pulp & catsup.3146

Cooking apparatus....3147
apparatus, electric....3148
apparatus, gas....3149
gas 5191a
outfits & stoves, camp.1814
stoves (see stove mfrs.)14392
Stoves, gas (see stoves, etc., gas)....14414
utensils, asbestos (see asbestos household articles) 252
utensils, china 3119a

Cooler cocks....2805
handles 5828

Coolers 16186
acid 3149b
air 3150
ammonia 3151
beer 3152
brine 3153
butcher (see refrigerator) 12290
candy 3154
circulating water....3156
clinker 3157
cottonseed 3158
cream 3162

Coolers, disc (see stoneware, chemical)....14360
generator 3158a
glass enameled 3158b
lard 3159
lead 3160
linseed cake....3158
meal 3161
milk 3162
oil 3163
ore 3164
rotary 3165
tire 15635
sugar (see sugar machinery) 9227b
water 3166
wine 3167
& tuyeres....16186

Cooling coils....2856
machines, lard....8518
machines, vegetable canneries 8105
nozzles, water spray...3167a
ponds 3167b
rooms 12294
rooms, glass lined....12295
rooms, tile lined....12296
sugar pans 10611
systems, generating ...5413a
systems, spray, water.13976b
tanks, gas engine....14764
towers 3167c
towers, water 15837
tubes 16069c
& purifying apparatus, air 95

No.

Cooperage coating sprayers 13977b
knives 6958
machinery (see barrel, keg, stave & heading mach'y) 7733
pins 10897a
plugs 11242
stock 3168

Coopers' crozes....3441
dowels, hickory 3968
froes 5024
frows (see froes, cooper's) 5024
hammers 5759
hoop drivers....4081
irons 6729
jointers 6823
levelers' 7398
punches 11992
rivets 12509
supplies 3169
tools 15716

Coops, poultry....3170
Cop skewers (see skewers) 15386
tube machinery....15084
tubes, paper....15085
winders 15474

Copal gum importers (see varnish gums)...16438
Cope cutter knives....6959
Coping machines....8106
machines, beam....7739
machines, marble....8571
punching machines....8874
saws 12963
wall 3170a

Copper acetate 3170c
alloys 121
angles 1386
anodes 180
balls 454
bars 565a
bath tubs.... 631
bearing, steel sheets..14253
bolt & bar....3171
bolts 1060
boron 3172a
bottoms 3173
brass & bronze moldings 9894g
braziers (see copper bottoms) 3172
brushes (see brushes, sheet metal)....1567
bullion 1651
burrs 1701
carbonate 3172b
casting machines 8106a
castings 2161
chains 2316
channels 1386
chloride 3172c
chromium 3172d
circles 2547
clad steel....14214
clad wire....16926
cobalt 3172e
coils (see pipe bends & coils) 10929
combination asbestos gaskets 5204a
concentrates (see concentrates) 2974
condensers 2999a1
converters 3077
converting machinery..8107
cords 3204
cornice (see copper & brass sheet)....3189
cornices (see cornices & skylights) 3240

Copper covered doors....3917
cyanide 3173
dealers, sheet (see tin plate, metals, etc.).15613
diaphragms 3734
dippers 3818
dynamo brush....3174
electric cables....1776
electric & foil....3175
ferrules 4667
fire box sheets....3176
floats 4877
for commutator bars..3177
forgings 4941
funnels 5036a
furnaces 5059
furnaces, rectangular..5108
gaskets (see gaskets, metallic) 5211
hammers 5760
handles soldering....5869
ingots 6592
joints 6833a
kettles 6869a
lined pipe....10931
lined tanks....14775
liquid measures....9646
manganese 3178
matting furnaces....5060
measures, liquid....9646
melting furnaces....5053
metals 9689
mitres 9858
molds (see molds, gold & silver bullion)....9911
mouldings 10004

No.

Copper nails 10047
nitrate 3178a
nuts 10192
oleate 3178a1
ores 10380
oxide 3178b
pails 10502
paints 10541
pans 10591b
phosphor 10832
phosphorum 10835
photo engraving (see photo-engravers' supplies) 10836c
pig (see ingots, brass & copper) 6592
pig tails....10866
pipe 10936a
plate presses....11515
plates 11077
polished 3179
printing rollers....15349
producers 3179a
pumps 11830
range boilers....1032
refiners, electrolytic....3180
resinate 3180a
retorts 12389a
rivets 12502
rods 12548
rods (Tobin copper)....12593
roll 3181
roll engravers....15151
rolling mill machinery (brass & copper)....7871
rolling mills....12647
salts 12882
scale 3182
scrap ....3182a & 13090
sheet ....3189 & 13479
sheets, cold rolled & annealed 3183
shells 13494
shot 13574
silicon 3184
spikes 13918
stamping 14122
stills 14314
sulphate 3185
sulphide 3185a
tacks 14679
tanks 14748
tanks & towers....14824
telephone wire....16927
tinned 3186
tinning sheets 15616
trolley wire (see wire, trolley) 17003
tubing 16095
tubing, seamless 16114a
ware, stamped, plated, etc. 3187
washers 16627
wire 16905
wire cables 16910
wire cloth....16917
work, dyers'....3188
working machinery....8108
& bronze covered windows 16883

Copperas 3190
Coppered Bessemer rods.12544
wire 16928
zinc 17135

Copperoid 10128
Coppers, battery....3191
soldering 13873
Coppersmiths 3192
Coppertin 10129
Copra 3192a
Copy holders....6236
Copying book pads....10488a
books, letter 1137
cloth baths.... 640
cloth or blotter baths.. 640
cloths 2764
ink pencils....10793
machines, photographic 8770
paper 10647
paper, railroad....10701
press sheets, rubber...3193
presses 11516

Cord adjusters, lamp.... 71
asbestos (see asbestos materials) 254
clamps 2555
connectors, bell (see connectors, wire)....3039
cutters 3591
holders, electric iron...6237
picture wire....3201
rubber 3194
sash 3202
sash, steel wire....12918
spools, electric wire...13949
wire 16929
wood sawing & splitting machines (see kindling wood machinery)8505
wood splitter knives...6960

Cordage cans....1839
hemp (see twine, hemp) 16198
machinery 8109
machinery, jute 15216
mfrs. 3194a
oils 10357

No.
Cordage, tarred 8195
twisters 15445
& twine mfrs.....3196
Cordeau, bickford 3196a
Cords, arc lamp.....3205
cable, cotton.....3197
copper 3204
cotton 3197
flexible 3199
heater (see cords, flexible 3199
incandescent lamp (see cords, flexible lamp, etc) 3199
lamp (see cords, flexible) 3199
leather, bell or register 3200
picture, braided (see cords, sash).....3202
picture, wire.....3201
register 3200
sash 3202
sash, steel wire.....12918
shade 13346
signal (see cords, sash)3202
switchboard 3202
tapes & braids.....15427
telephone & switchboard 3203
tinsel & copper.....3204
trolley, arc lamp, etc..3205
Corduroy cutting machines 15086
Core baking furnaces (see ovens, core baking) 10425
binders (see compounds, core) 2933
bits 831
borings 1157a
box machines.....8110
box planes.....11023
boxes, for foundry use.1212
compounds 2933
cutting machines.....8111
drills 4023
expansion plugs 11214a
flour 4899
flour, substitute 3205a
jarring machines.....8112
lifters (see bits, core).. 831
machines, telephone...9263
making machines.....8113
oils 10293
oven cars.....2014
oven doors 3917a
oven trucks.....16012
ovens, baking 10425
packing, gum 10454a
plates 11078
prints, wood.....3206
racks 12060
rods 12556
room equipment.....3207
sand 12893
sand washing machines 8115
tapering machines.....8116
testing apparatus.....3208
testing machines.....8117
vents 16494
wash (see compounds, core) 2933
wire 16929a
wire straighteners & cutters 14422
Cored bars 565b
Corers, cabbage.....3209
fruit & vegetable.....3210
Cores, armature & magnet 3211
button 3212
electric furnace.....3213
magnet 3211
paper 3213a
platen 3212
pressed steel 3213b
rubber tire building...3214
tassel 3212
Coring hooks.....6326
knives 6961
Cork borers 1156a
brick 1420
caps 1894a
carpets 3215
chips 3216
cleaners 2667
compound mixing machines 8118
cutting machinery.....8119
discs (see washers, cork) 16630
extractors (see pullers, cork) 11711
floors, brick & tile.....4893a
gaskets 5204b1
granulated for insulation (see insulation, cork) 6651
grinding mills 9779
ground 3217
handles 5829
insert friction surfaces.5020
insert loom frictions..15234
insert pulleys.....11735
insoles 6623
insulation 6651
knives 6962
No.
Cork, machinery 8120
mfrs. 3218
mats 9607
paper 10647
preparing outfits.....3219
pressers 11471
presses 11517
pullers 11711
roofing 12723
rumblers 2667
scouring 3220
screw handles 5829a
screws 3221
shavings 13403
tile 15577
tops 15795a
washers 16630
Corking machines, bottle.7842
machines, preservers'...8121
machines, wooden.....9488
Corks, crown.....3222
jug 3222a
rubber (see stopples, rubber) 14373
seine & gill.....3223
wood 3224
Corkscrew & screw driver, combined...13167
Corkscrews 3221
Corkwood importers.....3225
Corliss compressors.....2958
engines 4359
Corn binders..... 811
binders & harvesters..3226
broom 3227
broom cleaners.....2654
brooms 1502
canners (see canned goods) 1829
cleaners 2655
cob conveyors.....3105
cob shredders.....13604
conveyors 3105
cookers & fillers.....3228
crib blocks 903a
cribs, steel.....3229
crushers (see mills, corn & cob).....9780
cultivators 3476
cutter knives 6985
cutting machines.....8122
degerminators (see also mach'y, flour mill)..3685
drill brushes.....1535
feed 4590
forks 4965
hand planters.....11031
harvester knives.....6963
harvesters 5963
hooks 6327
huskers 10848
huskers & shredders...6501
husking machines.....8123
knives 3230
lances 7219
meal bolters.....1048
meal (see feed corn)..4590
mill machinery.....8124
mill scalpers.....13060
mills .....9780 & 9780a
mixing machine.....8125
oil machinery.....8126
oils 10294
pickers 10848
planters 11030
planters, hand.....11031
Corn planters & drills..11030
planting drills.....4024
plows 11184
poppers 11385
scoops 13080
shellers 13492
shock compressors.....2959
shredders 6501
shredders, family.....13605
silking machines.....8127
starch 14174c
temperers 14942
threshers 15547
Corner, base & head block mfrs. 3231
beads, plasterers' steel 11044
bind hooks.....6328
block carving machines 7981
block machines 8957
borers, ratchet (see bit braces) 826
brace & couplings.....3232
braces 6756
brackets (see braces, screen door).....1318
drills, pneumatic.....11272
guards 6706
irons 6756
radiator valves.....16376
rounding cutters.....3546
valves 16294
valves, radiator.....16376
Cornering machines, round 8959
Corners, box.....3233
casket 3234
metal building.....3235
partition 3236
screen frame.....3237
No.
Corners, stair 14097
table 3238
trunk 3233
Cornice beading machines 7738
brakes 3239
copper mfrs. (see copper & brass sheet)..3189
nooks 6329
makers' machinery....8128
Cornices & skylights....3240
Cornish pumps 11832
Cornwall stone.....3241
Corporation cock inserting machines.....8129
cocks 2806
stops (see cocks, corporation) 2806
Corroders, white lead..16838b
Corrugated arches (see awnings, corrugated steel) 345
bottle wrappers.....1163
boxes, fibre 1212a
copper & asbestos gaskets 5204c
copper gaskets (see gaskets, metallic).....5211
dies 3762
elbows 4205
furnaces 5061
gaskets 5204c
gaskets, steel.....5213
hinges 6095a
iron 6714
joint fastener driving machines 8130
metal culverts (see culverts, road) 3483
nails 10056
packing paper.....10695
paper 10648
paper book wrappers.17046
paper boxes.....1213
paper machinery 8131
paper printing machines 7853
paper shipping cases...2127
ridge roll.....12410
sheathing asbestos 248
steel 6714
steel awnings..... 345
steel fasteners.....4557
steel gaskets.....5213
steel pipe (see culverts, road) 3483
tank hose 6453
tender hose (see hose rubber) 6467
wire glass.....5445b & 5482
& grinding, roll.....12606
Corrugating machines....8132
& crimping rolls.....12667
Corset hooks 6329a
lace tipping machines..9317
laces 7097
machinery 8133
wires 17017
Corundum mfrs. (see emery & corundum mfrs.) 4298
wheels 4298
Cost keeping system clock 2722
Costmeters 3242
Costumers' furniture.....5141
Cots, army, etc.....3243
canvas 3243a
finger, rubber.....4754
folding 3244
husking 3245
iron 3245a
Cotter drilling machines.3223
drills 3223
pin extractors.....4497
pin holders.....6238
pin machinery.....8134
pin pullers (see extractors, cotter pin).4497
pin tools.....15717
pins 10897b
Cotters, cellar box (see cotters & keys, spring) 3246
spring 3246
& keys, spring.....3246
Cotton, absorbent.....3247
bags 426
baling presses 11431a
banding 489
batting 3248
batting machinery....15087
batting paper.....10649
belting (solid cotton).. 751
blanket looms.....15247
blankets 870
cable cords.....3197
calking 3249
calking, spun.....3254
cans 15031
cards 1963
cleaning machines.....8135
combs 15074
compress packing 10452a
compresses 3250
conveyors 3106
cord cutting machines15033
No.
Cotton cords 3197
damasks 3659
drawing frames.....15170
dryers 15130
duck looms 15248
duck & canvas.....3251
elevators 15147
evener drawing frames15171
exhausters 4471a
felt mattresses.....9630
felting machines.....15159
felts 4617
filled pickers.....15315
flannel gloves 5508a
flannels 4858
flocks 4881a
fly frames.....15172
gin feeders.....4603
ginning machinery.....8136
gun 5723b
hooks 6330
hose 6454
jewelers' 3252
lacquer 3252a
looms 15246
machinery 15089
machinery stirrups & levers 15421
mops 9931
mules 15291
oil mill packing.....10452b
openers & lappers.....15303
paper lined sacks.....12840
pick bags 386
pick sheets.....13480
pickers 15314
picking machines.....8138
planters 11032
planting drills.....4025
plows 11185
presses 11518
rope 12755
scales 13022
scrapers 13107
seed separators.....13294
shear knives.....6965
sheetings 13477
sleeving 13769
softeners 13861
soluble 3253
speeders 15391
spoolers 15407
spun calking.....3254
stitched belting (see belting mfrs., canvas stitched) 739
surgical bandages (see gauze, surgical).....5355
thread 15535
thread machinery (see thread machinery)..15436
tie machines.....8139
tie varnishes.....16448
ties 15561
towels 15824
twine 16194
twisters 15446
waste 16663
waste machines.....15463
waste mfrs.....16663
waste pockets.....11329
webbing 16716
wick 16842a
Cottonades 3255
Cottonseed cake coolers..3158
cake packers.....10443
cake packing machines 8688
cake trimmers.....15946
cookers (see cottonseed oil machinery).....8137
Cottonseed coolers 3158
grinding mills 9780b
hull presses.....11519
huller knives.....6964
hullers 6493
meal 9643
oil machinery.....8137
oil pumps 11832a
oil presses 11520
oil tanks.....14749
oils 10295
separating machines...9052
separators 13294
testers 14978
Couch leg attachments...3256
Couches, steel.....3257
Coulters, plow.....11175
Coumarin 3258
Counsellors, advertising (see advertising agencies) 77
Counter boards 969a
display baskets 605
dusters 4173a
legs 7375
scales 13023
trays 15919a
Counterbalance fire escapes 4768
Counterbalanced steel fire doors 3932
tin clad fire doors.....3932b
Counterbores 3260
Counterboring, tapping & reaming machines, combined 3907

INDEX

IMPORTANT The Numbers in this Index refer to the Classification direct and not the Page Number.

INDEX

No.

Counters, boot.....3261
chart room revolution 3262
combination counter & watch 3263
engine revolution 3264
for paper machines....3265
for reciprocating motion, square & round case 3266
mechanical 3267
pole 3268
recording 3269
refrigerator display....3269a
revolution 3270
shoe 3261
short stroke, for pumps.3271
spindle speed.....15090
steel (see store furniture & fixtures).....14387
store, steel (see store & bar fixtures) 14387
twist 15091
Countershaft clutches ..2775a
Countershafts 3272
bench lathe.....3274
variable speed.....3275
Countersink bits (see countersinks) 3276
washers 16630a
Countersinking & drilling machines 9125
Countersinks 3276
& center drills, combined 3277
Countersunk bolts.....1066
Counterweight or holding drums 4096a
Counting machinery, boxing & tablet.....9286
machines 3141
machines, coin.....8075
wheels 16771b
Coupler chains 2316a
forgings, automatic ...4936
yokes 17125
Couplers, car.....3278
dog 3279
radio 3280
shaft, wagon, etc.....3281
steam & air hose.....3282
wagon 3281
Coupling bending machines 8142
bolts 1067
boxes for feeder cables, fused 1234
expanding machines...8143
links & pins.....7484
nuts 10203
pins 7484
rolling machines.....8144
screwing machines.....8145
taps 14851a
& pulley forcing machines 8146
Couplings, air hose (see pneumatic hose couplings) 11285
bell cord.....3283
belt 3284
belt, round 723a
boiler & water back...3285
clamp 3287
closet 3288
clutch 3289
compression 3290
conduit 3291
conduit rod (see rods, conduit wiring & cleaning) 12554
cut-off 3292
expansion 3294
Couplings, flange 3295
flexible 3296
flexible cushion.....3297
forged seamless steel..3298
friction 3298a
friction clutch 3299
hose 3300
hose band.....3301
hose, fire 3302
hose, pneumatic.....11285
hydraulic pipe line.....3303
insulated 3304
joint 6822
lead flange 3305
lead pipe.....3306 & 7342
meter 3307
pipe 3308
pneumatic hose.....11285
pump rod (see sockets, pump rod) 13841
punch 3308a
rigid (see couplings, shafting) 3310
rock drill 3309
safety 3309
sewer 13337
shafting 3310
shafting, rigid 3310a
soldering 3311
sucker rod.....3312
swivel 3313
universal 3314
water back.....3285
wire rope 3622
wrought iron 3314a

No.

Coupon books 1137a
Course indicators.....6551
Cover knobs 7066b
paper 10650
Covered buttons (cloth covered) 1732
wire collar supports....2868
Coverers, potato.....11418
roll 15344
& hillers, potato.....11418
Covering, boiler.....10981
column 2897
floor 4882
leather, for iron pulleys.7360
loops, asbestos (see asbestos material) 254
machines, book.....7802
machines, paper box...8705
machines, roller.....15346
pipe 10981
pulley 11725
rattan seat, canvas lined 12164
roller 3314b
wall 16606
Covers, ash & garbage...3314c
automobile radiator ...3315
barrel 3316
battery jar.....3317
binder, implement & stack 3319
box service.....3334
broom 3320
canvas 3321
catch basin.....3322
cistern 3323
coal hole.....3324
crucible 3324a
dish, petri 3325
dish, wire 3326
grain binder 3226
grain binder.....3326
graphite 5567
horse 3327
hydro-extractor 3328
implement 3319
kettle (see covers, pot)3333
laundry tub.....3329
manhole 3330
nut 3331
oil hole.....10240
paper shipping.....3332
pot 3333
service box.....3334
shoe 3335
slip, automobile 3336a
stack 3319
steering wheel.....3337
table, paper.....3338
tennis racquet.....403
tire 3339
wagon 14885
wash tub (see covers, laundry tub).....3329
Cow bells..... 712
milking machines.....8147
pens 10807
stalls 14116
tie chains 2317
watering bowls.....1178
Cowls, chimney.....3340
Crab meat canners (see canned goods).....1829
Crabbing machines.....15092
Crabs, hoisting.....3241
pole 3342
Cracked corn separators.13295
Cracker & biscuit box machinery, sheet metal 8148
& biscuit machinery...8149
Crackers & picks, nuts.10184
Crackling grinders.....5614
Cradle dump cars.....2014a
Cradles, children's.....3343
grain 3344
Cranberry assorting machines 8150
Crane attachment fire hydrants 6505
brakes, electric.....1365
cars (see cars, industrial) 2037
chains 2318
controllers, electric....3345
derricks 3698
hooks (see hooks, hoist)6349
limit stops.....14376
motors, electric.....9969
motors, pneumatic....11273
runway doors.....3918
runways 3346
scales 13052
wheels 16772
Cranes 3347
air (see cranes, pneumatic) 3376
auto truck 3348
bracket 3349
bridge 3350
bucket 3350a
canning factory.....3351
cantilever 3352
caterpillar 3352a
charging & drawing...3353
charging & truing.....3354
clam shell 3354a
coal storage 3355

No.

Cranes, concentric traveling 3355a
crawling 3355b
derrick 3356
dock 3357
dragline 3357a
electric locomotive.....3358
electric railway, wrecking 3358a
electric traveling.....3359
floating 3359a
forge 3360
foundry 3360a
gantry 3361
gasoline power 3361a
grab bucket 3362
hammerhead 3362a
hand power 3363
hand traveling.....3364
hoist 3364a
hydraulic 3365
ingot stripping.....3366
jib 3367
jib, electric walking...3368
ladle 3369
locomotive 3370
locomotive, electric....3358
locomotive, steam.....3371
locomotive, water.....3387
logging 3372
magnet 3372a
mail 3373
mill type 3373a
overhead electric 3373b
pile 3373c
pillar 3374
pit 3375
pneumatic 3376
pontoon 3359a
portable 3377
portable shop 3378
railroad 3388
revolving 3378a
riveting 3379
roundhouse patented...3379a
self compensating.....3379b
shipyard 3379c
soaking pit.....3380
sugar house 3380a
top braced.....3381
tower riveting.....3382
traction 3382a
transfer 3383
traveling 3384
traveling, electric.....3359
traveling, hand.....3364
truck 3385
wall 3385a
water 3385b
water, for sprinkling wagons 3386
water, locomotive.....3387
wharf 3387a
wire 3387b
wrecking 3388
Crank case milling machines 8600
grinders 5615
handles 5830
handles, automobile ..5811a
handles, phonograph...5858b
pin lathes (see crank pin turning machines) 8151
pin oilers 10251
pin presses.....11521
pin presses, hydraulic.11568
pin turning machines..8151
pins 10898
planing machines.....8804
shafts 3392
shafts, automobile.....3393
shafts, gas engine.....3394
slotting machines.....9137
turning device.....3389
& fly wheel pumps....11833
Cranks, auger.....3390
automobile starting ...3390a
ball 3391
Crankshaft bearings, automobile 667a
cold saw cutting-off machines 8152
turning lathes 7261a
Crankshafts 3392
automobile 3393
gas engine.....3394
loom 15232
Crash towels.....15825
Crate fasteners.....4546
hinges 6096
hooks 6331
machinery 8153
openers (see chisels, box openers).....2462
slat cutting machines..8154
straps (see box straps)1186
Crates 3395
automobile tire.....3396
egg 3397
poultry 3397a
wooden 3397b
Crating lumber 7651a
machines, wire 9423
Crawling cranes 3355b
Crayon boxes 1213a
holders 6239
mfrs. 3398
pencils 10794

No.

Crayon pencils (see crayons & pencils, metal workers, etc.) 3414
Crayons, bowling alley...3400
bowling alley.....3400
checking 3401
colored 3402
lumber 3407
machinery 8154a
metal workers'.....3414
railroad 3410
tailors' wax.....3412
wax & oil, school & package 3413
Cream beaters..... 697
beaters, dover type.... 697a
coolers 3162
dippers 3819
dispensers 3854
ripeners 12491
shaving (see soap, shaving) 13812a
separator cocks 2807
separator faucets (see cocks, cream separator) 2807
separator stamped parts 14117
separators 13296
separators, centrifugal 13296
tartar 3415
vats 16465
Creamers, cabinet & elevator 3416
Creamery churns 2536
machinery 8155
pumps 11834
scales 13023a
testers 14976
Creasers, leather, etc....3418
Creasing, cutting & perforating rule.....12805
machines, leather.....8531
machines, paper, cloth & strawboard.....8156
Creels 15093
Creepers, anti-rail.....3419
automobile 3420
ice 3421
Cremone bolts 1067a
Creosote coal tar 3422
dark 3422a
disinfectant 3422a
oils 10296
refined 3422a
wood 3423
Creosoted bridge timbers (see creosoting works) 3424
cross arms (see creosoting works).....3424
lumber (see creosoting works 3424
paving blocks.....10776
piles (see creosoting works) 3424
poles (see creosoting works) 3424
ties (see creosoting works) 3424
Creosoting cars.....2015
cylinders 3636
works 3424
Crepe paper.....10651
Cresol manufacturers ...3425
ortho 3425a
Cresotinic, acid 28a
Crestings, terra cotta (see roofing tile, terra cotta) 12746
& finials, iron.....3426
& finials, sheet metal..3427
Cresylic acid 28b
Cribbage boards.....3428
Crimpers, aerial rings...3429
cap 3430
pie 3431
Crimping heads.....5991
machines, blind slat..7779
machines, can.....7929
machines for tops on tooth powder boxes..8157
machines, varnish can nozzle 8158
machines, wire.....9424
tacks 14684
& beading machines...8159
& corrugating rolls...12667
Crinkled paper machinery 8159a
Crinoline 3432
Critchlow valves.....16295
Crochet buttons.....1734
Crocheting machinery...15095
Crockery 3433
floats 4878
Crocodile shears.....13407
wrenches 17053
Crocus martis.....3434
Crop conveyors 3434a
Croquet balls..... 455
sets 3435
Cross arm bolts.....1068
arm braces.....1313
arm machinery.....8488
arm supports.....14538
arms, creosoted (see creosoting works.)...3424

No.
Cross arms, iron 3436
arms, steel.....3436
arms, wood.....3437
arms, wood, creosoted..3437a
bars, for goosenecks...3438
chain, hooks 6331b
cut bolting saw machines 8160
cut sawing machines (see drag sawing machines) 8205
cut saws 12969
head boxes 1214
head pin oilers.....10252
over dumps, automatic.4160
over fittings.....4805
over insulators.....6665
over track 15845a
span poles.....11361
strap centers 2275
strap loops.....7608
tie machines (see railroad cross tie machines) 8903
tie machines, railroad..8903
ties (see ties, poles & posts) 15565
valves 16296
Crosses, pipe fitting.....3439
wooden 3439a
Crossing gates, railway..5230
signals, railway.....13652
spikes 13918a
Crossings, frogs & switches 5028
Crow bars 3440
calls 1808
Crown-bar bolts.....1069
blocks 3440a
corks 3222
seal removers (see openers, bottle).....10363
Crozers, coopers'.....3441
Crozing & chamfering machines 8003
Crucible carbons.....1939
clays 2640
compounds 2934
covers 3324a
furnaces 5062
hold-backs 6216
paste mixing machines 8161
shanks 3442
steel 14215
steel castings 2192
tongs 15672
tongs & shanks.....3442
Crucibles 3443
filter 3444
graphite 3445
iron 3446
platinum 11152
porcelain 3446a
steel 3447
Crude acid, acetic..... 21
alcohol concentrators.2975b
antimony 187
asbestos 255
brimstone 14528a
oil engines.....4288
oil stills.....14315
rubber 12781
sulphur 14528a
Crumbing machines, bread 7874
Crushed brick roofing material 12728a
coke 2861
granite 14337
ice carts.....2091
lime 7451
marble, graded.....9566
Crushed slag (see slag, concrete & roofing).13735
slate 13737
steel 14216
stone 14337
Crusher frames.....5005
parts 3448
plates 11079
protectors 11692
rings 12443
roll teeth.....14898
single roll 3462a1
Crushers, asphalt.....3449
barley 3450
Bradford 3450a
clay 3451
clod 3464
coal & coke.....3452
cob (see mills, corn & cob) 9780
corn (see mills, corn & cob) 9780
cullet 3453
hammer 3455
laboratory (see pulverizers, laboratory)...11773
oat 3456
portable 3456a
rock & ore.....3457
rock & ore, gyratory..3458
rock & ore, hand power 3459
rock & ore, jaw.....3460
roll hammer 3461
roll jaw.....3461a
Crushers, rotary 3462
single roll 3462a1
slag 3462a
spindle 3463
stone (see crushers, rock & ore).....3457
sugar cane (see mills, sugar cane).....9827
Crushing finishing machines, tomato.....9340
machinery dies.....3770
machinery tires.....15643
machines, ice.....8478
machines, pulp wood..8364
mills 9797
mortars 9939
plant elevators.....4268
rolls 12668
& mining machinery, portable 8621
& screening plants, coal & coke.....2786
& stemmer machines, grape 8390
Crutch tips, rubber.....15622
tips, wool 15623
Crutches 3464a
pole 3465
Cryolite (see kryolith) ..7084
Crystal, bora-phosphate..1157b
detectors, radio 3723
glassware 5496
rock, brazilian 3465a
Crystallizers, ammonium nitrate 3466
Crystallizing evaporators.4442
pans 10591c
Crystals 3468
fuchsine 3468a
iron chloride 6693a
monohydrate 3468b
radio 3468c
tin 15608
watch 3469
Cube sugar apparatus....3470
Cubes, mosaic, importers.9942
Cubic foot bottles.....1165
Cuckoo clocks.....2724
Cues, billiard.....3471
pool 3471
Cuff cutting machines..15096
laundry machine.....8091
machines, flat ribbed.15097
Cuffs, celluloid.....2881
cleanable 2880a
Pyralin 2881a
waterproof 2181b
Cullet 3472
crushers 3453
Cultivator attachments..3473
beams 661
combined harrow.....5949
hoes 6159
point bolts (see bolts, plow) 1097
points 11338
shovels 13585
springs 13994
teeth 14896
& harrow combined...5949
Cultivators 3474
alfalfa 3475
bean & corn.....3476
beet 3477
garden 3478
onion 3479
sled 3480
Culvert forms ...2986 & 2272
pipe, cast iron.....10932
pipe, metallic (see culverts, road).....3482
Culverts, cast iron.....3482
pipe 10936b
road 3482
segment block 3483a
vitrified clay pipe.....3483b
Cumarin 3483c
Cup bases, oil..... 597
grinders 5616
hooks 6378
lubricants, grease 7617a
strainers 14426
Cupboard bolts.....1071
catches 2209
latches 2209
locks 7535
turns 16168
Cupboards, steel.....3484
Cupel machines.....8162
Cupelling furnaces.....5063
Cupels 3485
blowers 936c
brick (see cupola linings or blocks).....3486
furnaces 5064
lighting torches 15807a
linings or blocks.....3486
ventilators 16485
Cupolas, barn.....3487
foundry 3488
Cupping presses 11521a
Cupro nickel alloys..... 122
nickel metals.....9690
vanadium 3491
Cups, aluminum (see cups, drinking, collapsible) 3495
automobile 3492
ball 3493
Cups, bubbling, for drinking fountains 3494
carbon (see carbon mfrs.) 1939
caster 3494a
color 3494b
drinking, collapsible...3495
drinking, paper 3500
elevator 3496
force, rubber.....3497
golf course.....5527
grease 7637
grease, automobile....3497a
hand, rubber (see cups, force rubber).....3497
leather 3498
lubricating (see lubricators) 7637
match 3498a
measuring 3499
oil 3499a
oil, glass, sight feed signal stop 10238c
oil hole.....10240
oil, locomotive.....7579
paper 3500
plumbers' soil.....3501
porous 3502
priming 3503
pump (see valve cups)16254
spit 3503a
sputum 3503b
traveler 15440
turpentine 3504
valve 16254
wiper 3505
wooden 3506
Curb box repair lids.....7411
boxes 1215
cocks 2308
concrete, steel bound..2983
forms 4987
service boxes.....1215
stops 14377
& waste stops.....14377
Curbing, vitrified 3507
well 3508
Curbs, valve.....3509
Curd extractors, clothes wringing 4498
knives 6966
Curled hair.....5739
hair machinery.....8168
Curling iron heaters.....6024
irons 6730
Current meters.....9712
rectifiers 12246
taps 14853
taps, electric.....14853
Curriers' tools.....15779
Currycomb handles.....5831
Currycombs 3510
Curtain automobile silks. 320b
carriage lights 7441
carriers 1984a
carrying devices, for theatre, etc. 3510a
catches, vestibule.....2214
cloth (see shade cloth)13345
fasteners, car 4558
fasteners, carriage & automobile 4548
frame clamps 2605
looms 15249
pins 10900
pole brackets 1327
pole ends.... 4722
Curtain pole machines...8164
pole sanding & finishing machines.....8165
pole trimmings.....12444
pole & rod sockets....13825
poles 11362
releasers 12358
rings 12444
rods 12557
rods (sash curtain)..12582
springs 14008
stretchers 14477
upholstery materials, automobile 332a
upholstery materials, boat 989b
upholstery materials, carriage 1971a
Curtains, car.....1916
locomotive cab.....3511
rubber bath.....3512
shower bath 3512a
steel rolling.....12616
theatre, asbestos 15492a
theatre, steel.....15493
Curved plates.....11090
track 15845b
Curves, railroad.....12114
Curving & forming machines 3336
Cushion couplings, flexible 3297
drives, Snead 4087b
tire 15634
tire store ladders.....15634
springs 14009
Cushioned tires.....15642
Cushions, air, elevator...4235
air, rubber 3513
billiard & pool table..3514
boat, etc.....3515
Cushions, canvas outing .3516
canvas outing.....3516
chair 3516a
engine & caboose.....3517
heel 3518
nailing, soundproof ...3518a
pin & jewel box combined 3518b
rubber 12780
telephone, pneumatic.14916
telephone receiver.....3519
Cuspidor brushes.....1536
Cuspidors 3520
Cut flower boxes.....1216
gears 5378
gears, helical 5383
gears, herringbone.....5384
glassware 5493
markers 15093
nails 10057
-off couplings.....3292
-off machines (see cutting-off machines)...8103
-off sawing machines, rocker 8941
-off saws hot (see machines, hot sawing).8470
-off saws, overhead...12990
-off valves..... 16297
-offs, rain water.....3523
-out bases, battery..... 595
-out boxes.....1242
-out hangers.....5892
-out pedals, muffler...10780
-out switches.....14579
outs, advertising 3523a
-outs, arc light.....3524
-outs, battery.....3525
-outs, fuse 3525a
-outs, incandescent.....3526
-outs, muffiers (see valves, muffler, cut-out) 16352
-outs, telephone.....3527
-outs, transformer.....3528
pinions 10881
racks 12061
spikes 13919
stone 14340a
wire 16996a
Cutch 3521
Cutlery, ferrules 4667a
handles 5831a
mfrs. 3522
polish 11377
polishing machines....8166
scales 13023b
steel 14216a
Cutter attachments, stalk 305
bars, mower..... 576
bit knives, marble.....7003
grinders 5638
head jointing machines.8498
head knives 7042a
heads 5992
heads, mining machine.5993
knives, paper.....7016
sharpeners (see sharpeners, saw).....13393
sticks 14298
Cutters, alfalfa.....3529
angle iron.....7680
angular 3530
arc lamp carbon.....3531
automatic peg & lace hole 15099
axle 3532
bar 3532a
Cutters, belt (see belt cutting machines)...7747
board matcher.....3533
boiler flue (see cutters, flue) 3554
boiler tube (see cutters, flue) 3554
bolt (see bolt cutting machines) 7785
bone 9767
brass block 13758a
bread 3534
brick & drain tile.....3535
broom 3536
butter 3537
button hole.....3538
cabbage core, etc.....3209
cake 3539
card (see card cutting machines) 7975
carpet 15100
carving machine.....3541
cast iron pipe.....3542
cheese 3543
chenille 15101
cigar 3544
circular, cork or paper.3544a
clover 3545
coal (see coal cutting machines) 3056
convex & concave.....3572
cord 3591
core (see corers, cabbage) 3209
core wire 14422
corner rounding.....3546
drain tile 3535
drawer construction....3547
dredge 3548
ear corn.....3549
electric 15102

INDEX

INDEX

No.

Cutters, emery wheel dresser 3550
end milling 3550a
ensilage 3551
face milling.....3552
feed 3553
flock 15104
flue 3554
fodder 3555
food (see choppers, meat & food).....2493
formed milling.....3556
fuse 3556a
gang 3557
gasket 3616
gauge glass.....3558
gear 3559
glass 3559a
glass tube 3558
granite building work.5557
green bone 3559b
grommet inserting.....5678
gummer 3560
gun wad.....3561
gusset 15105
hammers, granite (see hammers, stone cutters) 5793
hand hole.....3562
hog nose (see ringers, hog) 12427
inserted tooth milling..3574
interlocking 3564
involute 3565
iron bar & rod.....3566
iron, sheet, bar & rod.3566a
key-seating & slotting.3567
key-way 3566b
key-way (see keyseating machines).....3504
knit fabric.....15106
kraut 3568
lace leather.....3569
lap 3570
lead pipe.....3571
lock corner box.....3572
meat (see choppers, meat) 2493
meat scrap 3572a
metal slitting 9135
milling 3573
milling, inserted tooth.3574
milling, plain.....3581
molding 3575
mower bars..... 576
paper (see paper cutting machines).....3724
paper, hand.....3577
paper (roll paper).....3589
pinion 3578
pipe 3579
pipe (cast iron pipe)..3542
pipe, hand.....3580
pipe (lead pipe).....3571
pipe (soil pipe).....3600
plain milling.....3581
plush 15107
pneumatic staybolt...11309
porcelain tube.....3531
potato 3582
potato chips 3583
potato seed.....3584
profiling 3584a
rack 3585
radial duplex.....3586
rag 7024
reamer 3611
reinforcing bar (see cutters, iron bar & rod) 3566
rib 15109
rod & wire.....3588
roll paper.....3589
root 3590
rope 3591
rosette 3592
rotary for drugs & spices 3593
routing 3594
screw slotting 3595
segment 3596
serrated 7061
shear & rod.....3597
side milling 3598
slaw 3568
sleet 3599
soil pipe.....3600
special design.....3602
spiral mill (see cutters, side milling) 3598
spiral plug.....3603
sprocket 3604
sprue, foot & power...3605
stalk 3606
standard & special ...3606a
stay-bolt 3607
stay-bolt, pneumatic..11309
stocking 3608
straw 3609
T slot.....3610
tap & reamer.....3611
tobacco counter.....3612
tube (see cutters, flue).3554
twine 3591
twist drill.....3613
vegetable 3614
veneer (see veneer cutting machines).....9333
wall-paper base.....3615

No.

Cutters, washer & gasket.3616
weed 3617
wire 3588
wire, on log cars.....3618
& grinders, tool holder.3619
& straighteners, core wire 14422
vises 16521
Cutting apparatus, electric 16748a
attachments gear 289
benches 765
blocks 904
boards 970
boards, glass..... 975
compounds 2935
creasing & perforating rule 12805
dies 3763
dies, card, round corner 3786
dies, glove (see glove machinery) 8374
dies, screw.....3790
dies, stencil.....3801
folding & winding machines, cloth.....15061
gas 5191b
lathes, rubber 7294a
lubricants & lards.....7230a
machines, abrasive metal 7672
machines, angle, iron & hand power.....7680
machines, bar 7727b
machines, bark.....7730
machines, belt.....7747
machines, bolt.....7785
machines, box hand hole 7856
machines, brick.....7877
machines, cam.....7919
machines, card 7975
machines, cast iron pipe 7986
machines, cloth 15062
machines, coal.....8056
machines, collarette...15072
machines, corduroy...15086
machines, core.....8111
machines, cork.....8119
machines, corn.....8122
machines, cotton cord.15088
machines, crate slat...8154
machines, cuff.....15096
machines, die.....8177
machines, file 8298
machines for fabrics...8167
machines, gear.....8361
machines, glue 8375
machines, granite column 9208
machines, hand hole...8418
machines, ice.....8480
machines, ice cube.....8479
machines, insulating tape 9249
machines, key.....8503
machines, leather.....8532
machines, marble hole.8572
machines, metal, high speed 8167b
machines, mitre.....8624
machines, mosaic.....8635
machines, music roll..8641a
machines, oxy-acetylene.8167a
machines, paper.....8724
machines, paper box...8706
machines, paper box corner 8703
machines, pipe cutting & threading 8792
machines, pipe, cast iron 7986
machines, plug 8333a
machines, rack.....8895
machines, rag.....8897
machines, rail.....8900
machines, ribbon.....12402
machines, roofing tile..8954
machines, rubber band.8961
machines, screw.....9032
machines, skin or pate.9120
machines, sole.....9158
machines, stave.....9194
machines, stencil.....9202
machines, stone.....9208
machines, surgeons' bandage 7727
machines, thumbhole..9301
machines, tobacco.....9326
machines, tobacco scrap 9333
machines, vegetable....9381
machines, veneer.....9383
machines, washer.....9391
machines, window pocket 9416
machines, wire (straightening & cutting) 9445
machines, wrapper.....9490
-off lathes.....7262
-off machines, cold saw.8083
-off machines, cold saw, multiple.....8083
-off machines, metal...8583
-off machines, wood...9461
-off tools 15718

No.

Cutting-off & centering machines 8168
-off & centering machines, axle.....7707
-off & equalizing machines, wood.....9462
oils 10297
oxy-acetylene 3619a
presses, glove makers'.11522
tips 15623a
& creasing presses....11523
& folding machines, band 15003
& folding machines, rib 15343
& folding machines, underwear 15168
& pointing machines, dowel 8200
& printing machines, butter 7908
& welding tips.....15623a
Cuttlefish bones.....3620
Cyanamid 3621
calcium 1799
Cyanide 3622
barium 514
barrels 527
chrome 2497b
copper 3173
filters (see filters, slime) 4746
hardening furnaces....5065
mercury 9663d
mills 9781
plants 3623
potassium 11416d
sodium 13855d
tanks 14750
vat excavators.....4458
zinc 17132b
Cycle motor side cars...9953a
oils 10281
motor tires.....15644
Cycles, motor.....9954
railway (see cars, velocipede) 2081
Cycloidal blowers..... 937
Cyclometers 3623a
Cyclone blowers..... 938
cellars 2224
Cylinder boring machines.7819
brushes 1537
chamber boring machines 7819
cocks 2809
drainers 3981
dryers 4117
forgings aeroplane.....4933a
gauges 5270
grinders 5617
heads (see cylinder & tank shells).....3625
huller knives.....6967
liners 7462
locks 7535
lubricants 7615a
molds 9907
oils 7615a
operated valves.....16298
paper machines.....8338
planing machines, locomotive 8818
Cylinder reamers, roughing & finishing.....12194a
re-boring 3624
saws 12970
& tank shells.....3625
Cylinders, acetylene.....3625a
air 3626
air brake.....3627
air compressor 3627
ammonia 3628
artesian well.....3629
blowing engine 3630
brass 3631
brass & glass valve....3631a
brick hardening (see cylinders, hardening)3639
caisson 1794
calcium light.....3632
carbonic acid gas.....3634
cast iron.....3635
cement 3625
clay, white porous.....3652
creosoting 3636
deep well.....3629
gas, seamless 5191a
gasoline engine.....3637
glass 3638
grinding 3638a
hardening 3639
hydraulic 3640
hydro-pneumatic 3641
hydrogen, oxygen & chlorine 3642
irrigating 3643
knitting machine.....15111
lard cooling.....3644
oxygen 3642
pump 3645
rock drill.....3646
rotary drying.....3647
seamless steel 3655
slasher 15112
tin 3648
vanadium 3649
vulcanizing 3650

No.

Cylinders, water (see barrels, working) 543
welded 3651
white porous clay.....3652
wooden 3653
& dials, knitting machine 15113
& frames, soldering...13875
& tanks, seamless steel.3655
Cylindrical dryers, jacketed 4125
gauges (see gauges, plug & ring).....5310
glasses 5485
oil tanks 14784
screens 13133
tanks 14751
Cymene 3656
Cypress doors, wholesale.3919
lumber mfrs.....7652
shingles 13534
tanks 14751a
"D" handles 5832
rings (see rings, binder)' 12435
D-C high voltage rectifiers 12243a
"D. H. Gray Egyptian" fibre 4677
Dabbers, metallic, automatic 3657
Dado heads.....5994
machines 3170
Dairy apparatus & supplies 3658
brushes 1537a
feed 4591
machinery (see creamery machinery).....8155
pails 10503
scales 13024
sterilizers (see pasteurizers, milk, etc.)....10762
thermometers 15505a
wagons 16563
Dam concrete & masonry contractors 3044a
Damar gum importers (see varnish gums).16438
Damasks, cotton.....3659
Damp course.....3660
proofing compounds (see waterproofing materials) 16687
resisting compounds (see water-proofing materials) 16687
resisting paints.....10542
Dampening machines...15114
machines, collar seam.3089
Damper bushings.....1708
clips 2707
handles 5832a
plates 11080
regulators 12320
Dampers, coke oven.....3661
fireplace, etc.....3662
flue 3663
forced draft.....3664
stove pipe.....3665
Dams, soil 3665a
Dandelion canners (see canned goods).....1829
Dandy rolls.....12669
Dark-field illumination, reflecting condensers ..3004
Darners, stocking & glove 3666
Darning balls 455a
eggs 4196a
needles 10111
sewing machines 9063a
Darts, air gun.....3666a
Dash rein holders.....6241
stucco 14498a
Dashboard, automobile mirrors 9847
clocks & watches.....2741
lanterns 7224
mirrors, automobile....9847
Dashers, churn 2534
Dashes, automobile 3667
carriage 3668
screen 3669
sleigh 3670
Dating machines.....8172
stamps, wheel.....14127
Davits, ship.....3671
Dead oils.....10298
Deadening felts.....4618
Deadlocks, for shipping tags 3671a
tag 14696b
Dealers, boiler (see machinery dealers).....9500
gravel 12907
sand 12907
Decalcomania transfers (see ornaments, transfer) 10414
Decanting pots (see stoneware, chemical) 14360
Decarbonizer (see removers, carbon) 1941
Decating machines, 8172a & 15115
Decimal gauges.....5371

No.
Deck bolts 1069a
engines (see hoists, dock & deck).....6185
hoists 6185
plates 11081
plugs 11214b
pumps 11932
sash ratchets.....12159
winches, steam & electric 16849
Deckle straps 14454
Decolorizers, glass 3671b
Decolorizing carbon 1938b
Decomposing vessels ...16498a
Decorated cans.....1841
domestic china.....2453
glassware 5494
Decorations, carton Pierre 3672
Christmas tree(see toys, games & novelties).15340
church 3673
plastic relief.....3674
theatre 3675
Decorative architects 226
art leathers.....3676
art tapestries.....3677
electric lighting.....3678
screens 13134
tile 15572
Decorators, architectural.3679
ecclesiastical (see decorations, church).....3673
& painters, mural.....3680
Decoys, duck.....3681
Deep foundations (see caisson foundations).1792
sea sounding lines...13388
well cylinders (see cylinders, artesian well) 3629
well pumping engines.4395
well pumps.....11835
well pumps, centrifugal 11819
Defecators 3682
Deflectors, arc..... 221
auto light.....3683
car heater.....3684
exhaust 3684a
heat 3684b
Degerminators 3685
coin (see also machy., flour mill).....3320
Degras 3686
oils 10299
Degreasing 3687
plants & equipments..3688
Degree finder meters....9707b
Dehorner knives.....6968
Dehorners, cattle 3689
Dehorning saws.....12971
Dehumidifiers 3689a
Dehydrators 3689b
oil, centrifugal 3689c
Delay, electric igniters...6529
Delivery baskets (see packages, fruit & vegetable) 10442
room equipment, steel.3689
wagons 16564
Delta metal bars & plates 3690
Demagnetizers, tool 3690a
watch 3691
Demijohns 3692
Demountable clamps, rim (see bolts, demountable rim) 1069b
rim bolts 1069b
rims (see rims, automobile) 12417
Denatured alcohol..... 111
Denims 3693
Denitrating towers 15833a
Denitrators 3693a
Dental bur blocks..... 902a
cements (see plaster mfrs., dental) 11038
chairs 2394
engines 4360
files 4696
furnaces 5066
furniture 5142
instruments 6641
machinery, electro dental 8267
motors 9966
needles 10114
plaster 11038
polishing pegs 10784d
polishing points 11333a
presses 11524
rubber 13782
wire 16929b
Deodorizers, building ...3693a1
factory 3693a1
house 3693a1
oil & fat.....3693b
Deodorizing carbon 1938b
Deo, aeco..... 81
rubber 12781a
Depilatories 3694
Depressors, tongue 3694a
Depth gauges 5273
gauges, water.....5346
Derailers, car.....3695
Derailing switches (see derailers) 3695
Derivatives, coal tar.....3695a
Derrick booms (see masts & spars).....9602
bull wheels.....16773
cars 2016
cranes 3356
hay forks.....4976
hoists 6184
irons 3696
fittings 3696
lamps 7164
masts (see masts & spars) 9602
sheave blocks..... 920
skips 13727
spars, masts & booms (see masts & spars).9602
swingers 3696a1
wheels, double flange.16773a
winches 16852
wire rope 16975
Derricks, "A" frame ...3696a
barge 3700
builders' 3697
crane 3698
farm 3699
floating 3700
folding 3701
guy 3702
locomotive 3704
log loading (see loaders, log) 7507
midget 3704a
miscellaneous 3705
oil well.....3706
pile driving 3707
pipe 3708
portable 3709
revolving (see derricks, guy) 3703
steel 3710
stiff leg.....3711
sulky 3712
tower 3713
traveling 3714
tripod 3715
water well.....3706
Design cutters, special...3602
Designers of special machinery 9162a
of special tools, jigs, fixtures & dies.....3715a
De-sizing materials 3715b
Desk calendars.....1801
clamps 2574
clocks 2722a1
fans 4531
fittings 3716
hardware 3717
hooks 6332
lights, electric 7442
locks (see locks, cabinet) 7535
mfrs. 3718
pads 10488b
posts 11400
racks 12062
rulers 12807
rules 12812
sets 13319
Desk slides 13776
stands, telephone.....14917
supports 14539
swinging attachments..3719
telephone brackets.....1328
Desks, factory & shipping room, steel.....3719a
school (see furniture, school) 5151
steel 3720
Despatch tubes, pneumatic 11318
Despatching equipment, train, telephone.....15855
Dessicator plates 11081a
Destroyers, ticket.....15553
Destructors for municipal plants.....3721
Desuperheaters 3721a
Detachable chain belting. 742
link chains 2319
Detail paper 10651a
Details, switchboard....14564
Detectagraph 3721a
Detectors, fire (see alarms, fire) 103
ground 3722
marine ice 3722a
radio crystal 3723
time (see clocks, watchman's) 2739
water waste 3724
Detinning plants.....3725
Detonators, time & electric 890
Developed colors 2390b1
Developing tanks 14751b
trays, vitreous enameled 15919b
Device, commutator truing 2913
crank turning.....3389
sash operating.....12922
valve testing.....16258
wheel truing.....16753
Devices, curtain carrying for theatre, etc.....3510a
electric heating.....6062
elevator safety.....4246
filing 4706
Devices, grindstone truing 5664
loose 7611b
loose leaf.....7612
signaling 13638a
tying 3728
uncoupling 3728a
Devulcanizers 3729
Dewaterers 3729a
Dewatering filters 4735a
Dextrine 3730
Dial cocks.....2810
curb extension boxes..1224a
feed friction presses..11546
feed presses.....11525
feeds 4611
gauges 5273a
presses 11608
scales, springless 13050a
thermometers 15505
Dials, clock, gauge, scale, etc. 3731
meter 3731
scale 3731
sun 14531
& cylinders, knitting machine 15113
Diamidobenzol 3731a
Diamond core drills (see drills, core).....4023
dies (see dies, wire drawing) 3807
draw plates.....11082
drilling machines 8173
drills 4026
holders 6242
point chisels.....2468
saw teeth.....12945
saws 12972
tools 3731b
Diamonds, black 1937a
Brazilian, rough 1387a
for industrial purposes.3731c
glaziers' 3732
Dianisidine 3733
Diaphragm pumps.....11836
reducing valves.....16299
rough 3732a
screens 13135
Diaphragms carbon (see carbon mfrs.).....1939
copper 3734
monel metal 3734a
pump (see diaphragms, rubber) 3735
radio head set.....3734b
rubber 3735
screen, paper makers..3735a
Diastase 3735b
Dibbles 3736
Dice 3737
boxes 1216b
Dichlorbenzol 3737a
Dichlormethane 3738
Dictating machines 8174
Dictionary holders 6243
Dictographs 3740
Dicyandiamide 3740a
Die block steel (see blocks, die) 905
blocks 905
blocks, vanadium steel.3741
cast bearings..... 673
cast bearings, automobile 667a
cast bushings 1709
cast castings.....2162
cast castings, aluminum, general line 2147a
cast castings, white metal 2200a
cast gears 5378a
casting dies 3764
casting machines.....8175
casting, metals 9690a
castings 3741a
chamfering machines..5176
cutting machines.....8177
cutting presses.....11527
designers, special.....3715a
dogs 3871
filing machines.....8303
forgings 4942
forming machines 8177a
grinders 5618
heads 5995
hobs 6150
holders 6244
jig & fixture work....3742
milling machines.....8601
molded castings 2162a
molded gears 5378b
muzzling machines ...8177b
plate hammering machines 8178
plates, adjustable.....11088
pressed metal.....3743
presses 11526
reaming lathes.....7263
sharpening machines..8179
sinkers 3744
sinkers outfit.....3745
sinking machines.....8180
sinking presses 11527a
sinking & milling machines, combined.....8181
slotting & shaping machines 8182
stock shoe 3745a
Die stocks (see dies, die castings) 3764
sockets 13826
stock handles 5832c
stocks (see stocks & dies) 14335
taps 14352
welded chains 2319a
Dies, adjustable.....3746
adjustable expanding..3747
armature disc.....3748
asphalt paving 10772
automatic 3749
automobile 3750
bakelite 3750a
bell 3750b
bending 3751
bit brace.....3751a
blacksmiths' 3752
blanking 3753
bolt cutter.....3754
bolt threading, solid, etc. 3755
box printing.....3756
brick & clay workers'..3757
button .....1727 & 3758
can makers'.....3759
card cutting, round corner 3786
chilled hammer.....3760
chilled iron.....3760a
clay workers'.....3757
compression rivet.....3761
corrugated 3762
cutting 3763
diamond (see dies, wire drawing) 3807
die, casting 3764
drawing 3765
drawing, triple action..3766
drop forging 3767
electro-plating 3768
embossing 3769
for crushing machinery 3770
forming (see dies, stamping) 3799
gas fixture 3773
glove cutting (see glove machinery) 8374
grommet inserting.....5678
hat 3774
jewelers' 3775
machine or solid bolt..3776
martingale 9594a
metric 3776a
notching 3777
opening 3778
piercing (see dies, punching) 3782
pipe threading.....3779
percelain 3780
pottery 3781
press (see dies, punching) 3782
prong 3798
punching 3782
ratchet 12157
ring 3783
round, adjustable 3784
round blanking 3763
round corner card cutting 3786
rubber 3787
Dies, sack printing.....3788
sand belt splicing.....3789
screw cutting.....3790
self-opening 3791
sewer pipe.....3792
sheet metal (see dies, stamping) 3799
slashing 3793
soap 3794
solid 3795
solid bolt (see dies, bolt threading) 3755
splashing 3797
spring or prong.....3798
stamp mill.....13569
stamping 3799
steam hammer (see dies, chilled hammer)3760
steel 14136
steel, soft back.....3809
stencil cutting.....3801
sub-press 3802
thread cutting (see dies, screw cutting).3790
toe calk welding.....3808
upsetting 3805
vanadium steel.....3806
wire drawing.....3807
wire weaving.....3808
& stocks.....14335
Diesel auxiliaries, compressors 2959a
engine indicators 6555a
engines 4360a
type oil engines (see engines, oil) 4387
Diethylaniline 3808a
Differential chain blocks. 906
clocks 2725
gear lubricants, solid..7620
pulley block chains....2320
recording gauges.....5374
Diffusion air 3808b
batteries .....649 & 2226
Digester linings.....7468

INDEX

INDEX

No.

Digesters 3809
garbage 3810
Diggers, beet.....3811
peanut 3812
post hole.....3813
potato 3814
stubble 3815
Digging bars (see crowbar mfrs.).....3440
machinery, canal (see shovels, steam) ...13596
spoons 13957
Dimethylaniline 3815a
Dimmers, automobile headlight 3816
theatre (see rheostats, stage dimming) ...12400
Dining car refrigerators.12291
Dinitrobenzol 3816a
Dinitrochlorobenzene 3816b
Dinitronaphthalene 3816c
Dinitrophenol 3816d
Dinitrotoluene 3816e
Dinner bells..... 717
buckets (see pails, dinner) 10504
horns 6435
pails 10504
Dioxide carbon (see gas, carbonic acid) 5190
germanium 5433
hydrogen 6513a
lead 7338b
manganese 9538
sulphur compressors...2971a
Dip asphalt pipe..... 265
oils 10299a
metal 3816f
sheep 3816g
Diphenylamine 3816h
Dipper gold dredges.....3993
handles 5832c
teeth 14897
Dippers, asphalt.....3817
copper 3818
cream 3819
dredge 3821
milk 3820
steam shovel.....3821
tin (see dippers, milk, water, etc.).....3820
water 3820
wood 3822
& funnels, combination.3823
Dipping acid 29
baskets 607
paints 10543
tables, chocolate(see confectioners' machinery)8104
tanks 14752
Direct mail advertising..3826
colors 2890c
connected electric disc fans 4530
connected & belted engines 4361
current electric portable fans.....4532
current motors (see dynamo & motor mfrs.)4179
current railway motors.9967
Directories, building, changeable 1642
Dirigibles 442
Dirk knives.....6969
Dirks, hunting.....7062
Dirt loaders 7504
rammers 12145
road locomotives (see engines, traction) 4413 to 4415
shovels 13585a
tampers 14720
Disc brakes 1363
coolers (see stoneware, chemical) 14360
cultivator spring tooth attachments 304
drill & seeder attachments 281
fibre 3832
forgings 4943
furrowing attachments. 282
grain drills..... 4036
grinders 5610
harrow boxes.....1217
harrow seeder attachments 302
harrows 5952
harrows, drill attachments for..... 283
meters 9714
notching machines, armature 7691
notching presses.....11528
notching presses, automatic 11475
plows 11186
pulverizers 11771
punching machines....3376
records 13245a
sanding machines.....8184
sharpeners 13384
wheel cements (see cements, stone & emery)2266
wheels 16774
Dischargers, centrifugal..3827
static 3828
Discs, abrasive 3829

No.

Discs, armature 3830
bibb 3830a
brass 3830b
bronze 3830b
carbon (see carbon mfrs.).....1939
circular metal slitting.3831
clutch 2773a
cork (see washers, cork) 16630
fibre 3832
filtering 3832a
friction 3833
glass 3833a
grain drill 3834
graphite 3835
harrow 3836
hot water 3837
iron 3838
radiator 3840
self-feeder 3841
slate 3842
steel 3838
valve 3844
Dish covers, wire.....3326
drainers 3982
mop handles 5832d
warmers, electric 3845
washing machines.....8185
Dished boiler flue heads & manholes 1006
& flanged boiler heads.1008
Dishers, ice cream.....3846
Dishes, baking 3846a
cascade 3846b
chafing 3847
evaporating 3847a
incinerating 3847b
paper 3848
platinum 11152
porcelain 3848a
soap (see also bath room fixtures & furnishings).3848b
wood 3849
Disinfectants 3850
Disinfecting apparatus...3851
machinery 8186
Disinfector shells.....13495
Disintegrators 3852
sugar 3853
Dispensers, cream & milk.3854
liquid soap.....13806
straw 3855
sugar 3856
Displacement pumps, pneumatic 11914
machines, clothes.....9204
Display baskets, counter. 605
cabinets 1764
counters, refrigerator..3269a
fixtures, window.....16866
racks 12063
stand signs 13664
stands, sign 13634a
stands 14150
tables 14648
Disposal equipment, sewage 13334
plants, garbage.....5186
plants, sewage.....13335
Dissecting slabs, slate..13745
slabs, stone.....14343
Dissolving machines.....8186a
Distance recording meters 9715
Distillate engines.....4862
Distillates, tar 14879a
Distillation plants, wood 17627
wood, ovens for.....10432
Distilled water condensers 2999a
Distillers (see alcohol, various kinds)
Distillers' machinery.....8187
pumps 11537
Distilling apparatus.....3857
columns 2900a
Distress signals.....13642
Distributing machines, typesetting & type...9265
plants, concrete.....2934
rings 13445
Distributors, asphalt....12533
fertilizer 3858
road oil.....12533
systems, soap 13606a
tar (see road oilers or distributors) 12533
District call boxes.....1218
Ditch excavators 4462a
Ditcher, grader & loader, combined.....3859
Ditching machines.....8188
machines, railroad....8189
machines, tile.....8190
machines, traction.....8191
plows 11183
Ditty boxes 1218a
Divers, submarine.....3860
Divi divi extract.....4493a
Divided steel machine rules 12819
Dividers, dough (see dough dividing machines) 8195
extension 3861
spring 3862
wing & extension.....3863

No.

Dividing heads.....6002
machines, dough.....8195
machines, thermometer.9296
Diving apparatus.....3864
hose (see submarine hose) 6470
Dobbies 15116
Dobby chains 15115a
pegs 3865
springs 14009a
Dock builders.....3866
cranes 3357
hoists 6185
rods 12558
spikes 13919a
Doctors & feeds, calender.3867
Document boxes.....1219
envelopes 4424a
paper 10652
Doffer combs.....15076
Doffing boxes.....15118
Dog biscuits..... 822
collar bells (see bells, toy) 719a
collar locks.....7538
collars 2870
couplers 3279
irons 6781
lead chains 2321
muzzles 10037
power treads.....15929
powers 11465
tags 14698
wrenches 17069
Dogs, bench.....3868
cant 1880
chain 3870
clamp (see dogs' lathe)3872
die 3871
lathe 3872
lumber 3875
milling machine 3873
pinch 3874
rafting 3875
ring (see dogs, rafting & lumber) 3875
saw mill 3876
timber (see dogs, rafting & lumber).....3875
Doilies, paper 3878
Doll forming presses....11528a
Dollies, bridge builders'..3879
lumber 3880
riveting 3881
timber 3880
tinners' & roofers'.....3882
Dolly trucks.....16018
Dolomite 3882a
Domestic China decorated 2458
China plain.....2458
Door bells..... 718
bolts, emergency exit..1070
bolts (sliding garage door) 1071
braces, screen.....1318
bumpers 3883
buttons 1735
butts 1747c
butts, metal 1747h
catches (screen door)..2209
check & spring mfrs..3884
checks (screen door)...2432
clamps 2575
drawer handles 5832e
fasteners, car.....4547
fasteners, chain.....4549
frames, hollow metal...5005a
frames, open-hearth, furnace 5012
frames, wrought iron, welded corners.....3886
guards 5687
handles 5832f
handles, garage 5840a
hanger tracks.....15851
hangers 3887
hangers, accordion or folding 3888
hangers, adjustable....3889
hangers, auditorium...3890
hangers, barn or warehouse 3891
hangers, car 3892
hangers, elevator.....3893
hangers, fire.....3894
hangers, folding.....3896
hangers, garage 5895b
hangers, no track-sliding 3894a
hangers, parlor.....3895
hangers, sliding.....3896
hangers, trolley track..3897
hinges, cellar.....6091
hinges, screen.....6117
hinges, spring.....6127
hinges, spring, wrought brass & bronze.....6137
holders 3898
holders, garage 6249a
hopper, mechanism 6425a
jambs, drawn steel....3899
key lights.....7443
knobs 7066c
knobs, brass & bronze.3900
knobs, common (see locks & knobs).....7566
knobs, glass.....7068

No.

Door knobs, screwless ..3901
knobs, stove (see stove trimmings) 14395
knobs, wooden.....7076
knockers 7077
knockers, colonial 3902
latches (see latches, various kinds) 7234a to 7244
locking devices, elevator (see elevator safety locks).....4247
locks 7566
locks, emergency exit..7540
machinery 9011
mfrs. (see doors).
numbers (see numbers & letters, metal)...10183
openers, electric.....3903
openers, garage 10367a
openers & closers, elevator 4237
opening & closing device, pneumatic.....3904
pins, stove (see stove trimmings) 14395
pulls 11761
rails 12121
rollers, barn.....12611
saddles (see thresholds) 15551
screens 13165
sheaves 13460
spindles, screen 13930a
springs, coil, etc.....14010
springs, refrigerator..14030
springs, screen.....14033
stays 14182
stops 3906
switches, automatic...14570
Doors, art metal.....3907
ash-pit 3909
automatic elevator.....3924
automatic, fire.....3909a
automatic fire, elevator 3925
bakers' oven 3910
bronze 1488
bronze elevator.....3926
bronze & iron.....3912
bulkhead S.S.....3912a
canopy 3913
car 1917
cellar 3914
cleanout 3915
coal chute, steel.....4915a
coal hole (see doors, ash-pit) 3909
coiling, vertical (see partitions, wood rolling) 10749
cold storage 3916
copper covered.....3917
core oven 3917a
crane runway.....3918
cypress, wholesale.....3919
drop fire.....3920
dry kiln.....3921
elevator 3923
elevator, automatic....3924
elevator, bronze 3926
Doors, fir.....3927
fire, automatic 3909a
fire .....
composite sliding and swinging 3928
counterbalanced steel.3932
counterbalanced tin-clad 3932b
hollow metal, swinging 3929
kalameined 3929a
metal clad panelled, swinging 3930
rolling, steel.....3932a
sheet metal, sliding & swinging 3931
sliding, composite....3928
sliding, sheet metal..3931
sliding, tin clad.....3932c
steel, counterbalanced3932
steel, rolling 3932a
swinging, composite.3928
swinging, hollow metal3929
swinging, metal clad panelled 3930
swinging sheet metal 3931
swinging tin clad....3932c
tin clad, counterbalanced 3932b
tin clad, sliding & swinging 3932c
fireproof 4778a
fireproof, kalameined...3929a
fireproof, steel rolling (see shutters, steel rolling) 13616
folding 3933
folding, sectional.....3949
freight car, ventilated..3933b
freight and roundhouse.3933b
garage 3933c
grain 3934
hardwood 3935
hatch, automatic.....3936
hopper 3938
iron & glass.....3939
kalameined 3962

No.
Doors, locomotive fire ...3940
locomotive fire.....3940
manhole 3941
mausoleum, bronze (see bronze doors)...1488
metal covered elevator.3930
metal entrance.....3942
mine 3943
open hearth furnace...3944
oven, bakers'.....3910
passenger car, hollow metal 3945
red cedar, wholesale..3946
refrigerator car.....3947
revolving 3948
rolling steel 3948a
round house 3933a
sashes & blinds.....12919
shower bath 3949
sidewalk 3950
sidewalk light (see doors, sidewalk) 3950
silo, metal 3951
smokehouse 3952
steel cellar (see doors, cellar) 3914
steel clad alignum.....3939a
storm 14388
theatre, fireproof.....3953
trap 3954
vault light (see doors, sidewalk) 3950
veneered 3935
white pine.....3955
wood rolling (see shutters, wood rolling).13617
yellow cypress.....3957
yellow pine.....3958
Dope buckets.....1591
Dories (see boats, row).. 993a
Dormant scales.....13025
Double acting pumps...11338
acting spring hinges...6128
cupped nuts.....10204
edge knives.....6970
edgers 4192
end punching & shearing machines 8889
expansion bolts.....1077
flange derrick wheels.16773a
head milling machines.8602
headed nails.....10058
jointed chains 2222
plate shears.....13420
pointed tacks.....14685
radiator, siphons 13710c
seam & false wire machines 8192
seaming machines.....8193
truck cars 2016b
tube tires, pneumatic.15646
worm gear drive, packs.6773a
Doublers 15119
automatic for sheet steel) 2962a
Doubletree clips.....2715
Doubletrees, steel.....13705
wood 13703
Doubling hammers 5762
machines, rubber 3967
machines, spoolers 15408
shears (see shears, squaring) 13450
Dough breaking machines8194
dividing machines.....8195
mixing & kneading machinery 8196
moulding machines 8197
nut cookers 3140a
nut machinery (see bakers' machinery)..7715
Dover type cream beaters 697a
type egg beaters..... 697a
Dovetail glue matching machines 8198
machines 8199
Dovetails, stove.....3963
Dowel bits (see bits, machine wood) 837
cutting & pointing machines 8200
door machinery.....8201
driving machines.....8202
knives 6971
machines 8944
machines, coopers' (see rod, pin & dowel machines) 8944
pins 10899
pointers 11335
rods 3964
screws (see screws, wood) 13234
sharpeners 13385
Dowelling machines.....8203
machines & jointer, heading 8434
Dowels 3965
beaded 3969a
coopers' hickory 3968
furniture 3969a
machine 3966
patternmakers' 3969
plain beaded, rope twists & furniture....3969a
rail 3970
rope 3969a
steel 3972
twist 3969a
Down draft boilers.....1020a
Draft apparatus, forced.4923a
arms 3973
controllers (see regulators, heat).....12334
cooling, natural & combined force towers.15833
cooling towers, forced.15833b
gauges 5275
gear 3974
indicators 6552
inducer 3975
mechanical 9656
recording gauges.....5276
springs 14011
tubes 16070
& end sills.....13698
Drafting inks 6606
machines 8204
room equipment 3976
tables 3976a
Draftsman's tools.....15720
Draftsmen, mechanical...3977
Draftsmen's erasers 4433
erasing shields 13517
Drag bucket excavators..4459
chains 2323
conveyors 3107
line cranes 3357a
line excavator cableways 1783
line scraper buckets ..1592
links 7478
rakes 12135
road scrapers 12535
saw mills.....12938
sawing machines 8205
Dragons' blood..... 930
Drain board hinges.....6097
board legs 7376
boards 3980
boxes 1220
cleaners 2656
cocks 2811
pipe, cast iron.....10932
pipe cleaners.....2657
pumps 11839
shovels & spades.....13600
tile 15579
tile cutters.....8535
tile machinery.....8206
tile machines, cement.7994
Drainage excavators.....4461
fittings 4806
pumps 11840
systems 3979
traps 15892
Drainers, cellar automatic 2222
cylinder 3981
dish 3982
sump 3983
Drains, cast iron.....3983a
floor 3984
ice box.....3985
refrigerator 3985
Dramming scales.....15361
Drapery hooks.....6833
pins 10900
pole rings.....12444
tassels 14888
Draw bars.....566
benches 766
gauges 5276a
plates (see dies, wire drawing) 3807
plates, diamond.....11082
Drawbar attachment.....3988
pockets 11330
rivets 12511
testing machines.....9263
yokes 17126
Drawbridge, engines.....4363
machinery 8207
Drawer construction cutters 3547
handles 5832f
knobs 7067
knobs, glass.....7068
knobs, porcelain.....7071
knobs, wooden.....7076
locks (see locks, cabinet) 7535
plank 11025
pulls 11762
rollers, ball bearing..12616
slides 3989
Drawers, bench, steel....3990
cash or money.....3991
Drawing boards..... 971
boxes 15013
compounds 2935a
cranes 3353
dies 3765
dies, triple action.....3766
dies, wire.....3807
frame pins 15120
frame stop motions..15281
frames, cotton.....15170
frames, cotton evener.15171
frames, French worsted 15485a
knives 6972
machinery, wire.....9425
machines, rod or bar.8943
materials 3992
paper 10653
plates, wire.....11143
presses 11529
Drawing presses, metal.11594a
presses, metal 11594a
scales 13032
sheet metal.....14125
steel 14223b
tables (see drafting tables) 3976a
trucks 16010a
wire, brush.....16908
& loading machines, coke 8078
Drawn brass 1375d
steel door jambs.....3899
Drayman's hooks (see hooks, cotton, box, hay, etc.).....6330
Drays, heavy truck (see wagons, freight, etc.) 16568
Dredge bucket lips.....7489
castings 2163
chains 2324
conveyors 3108
cutters 3548
hulls, steel.....6497
pipe 10937
teeth 14903
winders, oyster.....16858
Dredges, elevator 3992a
gold, dipper & hydraulic.3993
harbor & river.....3994a
gold & placer mining..3994
hydraulic (see dredging machinery, hydraulic) 8212
steel 3995
Dredging buckets.....1593
buckets, gold.....1596
contractors 3046
engines 4364
hose 6456
machinery 8209
machinery, gas.....8210
machinery, gasoline ...8211
machinery, hydraulic..8212
pipe, lap welded steel (see pipe, lap-welded steel) 10944
pipe, slip joint.....10933
pumps 11840a
pumps, hydraulic (see pumps, sand & dredging) 11928
scrapers (placer dredging) 13115
sleeves 13759
wire rope (see wire rope & cables).....16975
Dreg stills 14315a
Dress forms 4987a
goods looms 15250
hooks & eyes.....6411
pins 10892
shields 13516
spindles 15397
spoolers 15409
spools, steel head....15413
trunks (see trunk mfrs.) 16057
Dresser spindles 15397
Dressers, bibb seat.....3996
emery wheel.....3997
flour 3998
Dressers, plumbers' wooden 3999
side, for side files.....13618
thread 15122
warp 15123
yarn 15124
Dressing, belt..... 724
carriage top.....4000
commutator (see compounds, commutator)2932
floor 4884
harness 4000
hoof 4001
leather belt.....4002
machinery, fur.....8344
machines, fish.....8308
machines, slate.....9124
oil clothing.....4002
razor strop.....4003
rope 4004
shoe (see shoe blacking & polish).....13544
top renewer 4004a
Dried beef & bacon slicing machines.....8213
blood 4005
Drift bolt drivers, pneumatic 11274
bolts 1072
pins 10901
plugs 11215
punches 11993
Drifting picks (see picks, mattocks & grub hose)10856
Drifts, for drill sockets..4006
Drill, anvil & vise..... 193
attachments, disc..... 281
attachments for disc harrows 283
bit sharpeners 13385a
blocks 907
cabinets, steel.....1755
cases 2112a
chucks 2510
cutters, twist.....3813
ends, rose.....4007
Drill gauges 5277
gauges, twist.....5277
grinders 5620
heads "Diexco".....4008
holders 6245
hose, rotary 6466
lathes 7274
points 11339
press combination & multi vice trident...4009
press vises 16521a
presses (see drilling machines) 8215
racks 12064
rods 12559
rods, hollow.....12565
sets 14827
sharpeners (rock drill).8214
sharpening machines...8214
sharpening machines, rock 8940
sharpening tools (see drill sharpening machines) 8214
sharpening tools (rock drill) 15772
socket drifts.....4006
sockets 13827
speeders 4010
stands 14150a
steel 14216b
steel, hollow 14226a
steel sharpeners.....13386
tables, universal.....14649
& clamp combined....2554
& drill sleeves.....13760
& reamer taps, combined 14851
& vise, combined.....4011
Drillers, baby, pneumatic 11262
plug, pneumatic.....11293
Drilling attachments, automatic 275
attachments, chain (see drills, chain attachment) 4019
attachments, submerged (see attachments, automatic drilling).. 275
attachments, vise.....16505
bits, rail..... 839
cables, manila.....1777
compounds 2935
engines, oil & gas well.4365
hammers 5769
heads 5996
jigs & fixtures.....6821
lathes 7274
machine compound tables 2923
machine tapping attachments 14841
machinery locomotive frame 8229
machinery, well.....9402
machines 8215
machines, angular & ratchet 7682
machines, automatic...8216
machines, bench.....8217
Drilling machines, blacksmiths' 8219
machines, blast hole...7775
machines, boiler.....8220
machines, caster wheel8221
machines, clock pinion.8222
machines, cotter.....8223
machines, deep hole....8223a
machines, diamond....8173
machines, frog.....8224
machines, gang.....8225
machines, gas burner..8352
machines, gun barrel..8226
machines, horizontal..8227
machines, keyseat.....8223
machines, knee.....8228
machines, multiple spindle 8230
machines, portable.....8231
machines, radial.....8232
machines, radial universal 8243
machines, radial wall.8233
machines, rail.....8234
machines, rifle barrel..8915a
machines, rivet.....8235
machines, sensitive....8236
machines, staybolt.....8237
machines, stone.....9209
machines, suspension..8238
machines, switch.....8224
machines, test hole....9265
machines, traverse....8240
machines, tube hole...8241
machines, turret.....8242
machines, universal radial 8243
machines, upright (see drilling machines, vertical 8244
machines, vertical.....8244
machines, wood gang.9465
oils 10297
outfits, submarine.....4012
posts, old man.....11400a
tools, oil well.....15722
& boring machines, horizontal 7682

INDEX

INDEX

No.

Drilling & countersinking machines 8245
& countersinking machines, slate 9125
& milling machines, combined 8246
& reaming machines..8247
& tapping machines...8248
& tapping machines, combined 8249
Drills, artesian well (see well drilling machinery) 9402
automatic 8216
beet planting.....4013
bench 8217
bit stock 4013a
blacksmiths' 4014
blacksmiths' (machines) 8219
blast hole.....4015
boiler shell (see drilling machines, boiler) 8220
bracket 4016
breast, geared.....4017
breast, pneumatic....11267
brick & stone.....4018
carriage, rubber.....1968
center (drills & countersinks, combined)..8277
chain attachments, bit stock 4019
churn 4020
clamp 4021
coal 4022
compressed air (see pneumatic drills) ..11275
core 4023
corn planting.....4024
corner pneumatic.....11272
cotter 8223
cotton planting.....4025
diamond 4026
diamond core (see drills, core).....4023
electric-air rock.....4058
electric portable.....4027
electric rock.....4057
electric two-speed, two spindle 4028
electricians' 4075
extension 4029
feather, pneumatic...11293
fertilizer 4030
flat 4031
flexible shaft.....4032
friction disc.....4033
gang 8225
garden seed.....4034
grain 4035
grain disc 4036
grain & fertilizer combined (see drills, grain) 4035
granite 4041
hammer, brick & stone.4018
hammer, pneumatic..11282
hand, geared.....4017
hand-power 4038
Drills, hand rock.....4060
hand seed garden....13891
high speed twist.....4072
joist 4039
machine for drilling concrete 4040
marble & granite.....4041
mine ratchet.....4042
mine, self-feeding.....4043
multiple spindle 8230
onion 4044
pipe 4046
pipe (taps & drills)..14877
pipe & star face.....4047
piston air (see pneumatic piston drills).11292
piston, pneumatic.....11292
plug (see pneumatic plug drillers) 11293
pneumatic 11275
pneumatic breast.....11267
pneumatic feather (see pneumatic plug drillers) 11293
pneumatic hammer...11282
pneumatic piston.....11292
pneumatic reaming & tapping 11297
pneumatic rock.....11302
pneumatic rotary.....11303
portable 8231
post 4048
post mining.....4049
prospecting, hand or power 4050
radial 4050a
rail bonding 4051
ratchet 4052
reaming & tapping, pneumatic 11297
rice planting 4053
riding (listers & drills)7494
riding, two row (listers & drills).....7495
rock, air (see pneumatic rock drills)..11302
rock, air hammer.....4054

No.

Drills, rock, compressed air 4056
rock, electric.....4057
rock, electric-air.....4058
rock, gasoline.....4059
rock hand.....4060
rock, pneumatic 11302
rock, steam.....4061
rotary, pneumatic 11303
sensitive (see drilling machines, sensitive).8236
shell 4064
slate 4065
star 4066
steam rock.....4061
stone 4018
stove 4067
suspension 8238
tamp churn.....4068
tap 4069
traverse 8240
turret 8242
twist 4070
twist, high speed & carbon steel
bit stock 4071
bonding 4071a
center 4071b
Coes ⅝ shank.....4071c
four groove.....4073a
jobber 4072
letter sizes 4072a
oil 4072b
prentice ½ in. shank 4072c
S & D ½ in. shank..4072d
straight shank tape, length 4073
3 & 4 groove.....4073a
taper shank 4073b
track 4073c
upright (see drilling machines, vertical)..8244
vertical 8244
wagon 4074
walking (listers & drills) 7496
& bits, electricians'...4075
& listers, combined....4076
& sewers, hand seed garden 13891
& sewers, lime & fertilizer 13892
& taps, combined pipe 14876
& taps, pipe.....14877
Drink mixers.....9866
Drinking cups (see cups, drinking collapsible).3495
cups, collapsible 3495
cups, paper.....3500
fountain bubbling cups.3494
fountain valves, foot action 16311
fountains, sanitary....4996
water systems 4077
Drip pans.....10592
pans, automobile.....10593
pockets 11331
Drip pumps 11930
valves, automatic.....16271
Drips, gauge cock.....4078
Drive calks.....1807a
caps 1894c
chains 2324a
chains, gear link.....2331
chains, noiseless belt..2358
ferrules 4667b
gates, automatic.....5217
jacks, double worm gear 6773a
hooks 6334
punches 11994
punches, belt & saddlers' 11982
screws (see screws, wood) 13234
shoes 13556
well points.....11340
Driver handle screw.....5867
Drivers, bolt.....4079
coopers' hoop.....4081
drift bolt, pneumatic.11274
screw (see screw drivers .....13166 to 13175
staple 4082
Drives, chain (see chains, power transmission)..2364
chain, for dryers.....4085
gear 4086
gear, helical cut.....4086a
power 4086b
rope 4087
silent chain 4087a
speedometer & taximeter 4088
top roll, for roughing mills 4088a
Driveway gates 5229
Driving boxes, locomotive.1245
machines, barrel hoop..7732
machines, corrugated joint fastener 8130
machines, dowel 8202
machines, spoke, automatic 917
wheel centers, locomotive (see centers car wheel) 2274
wheel lathes.....7261

No.

Driving wheels 16775
wheels, steel tired (see wheels steel-tired car) 16810
Drop black 4089
bottom cars.....2017
fire doors.....3920
forged automobile parts machinery.....7705
forged hammers 5764
forged turnbuckles, wrought iron & steel 16163a
forged wrenches.....17070
forging dies 3767
forging machinery.....8251
forging plant forges...4926
forgings 4944
hammers 5763
hammers, bench.....5749
hammers, board.....5751
hammers, pneumatic gravity 5785a
handles 5833
handles, wire.....5882
hanger bearings..... 674
light, electrogrip.....4230
presses 11530
saws 12973
wires 15125
Dropper attachments for disc harrow 283
attachments for mowers 284
Droppers, medicine.....4090
Drops, package & letter.4091
& pins.....4092
Dross kettles.....6870
metal 4093
pots (see kettles, dross) 6870
Drossing spoons.....13958
Drug agitators 87a
boxes 1221
mills 9782
mortars 9940
paper 10655
store fixtures (see store & bar fixtures)....14387
Druggists' balances (see scales, druggists' & chemists) 13026
glassware 5492
rubber goods.....12784
scales 13026
Drugs 4093a
Drum controllers' electric (see controllers, electric hoist).....3056
dryers 4117a
dryers, atmospheric...4109b
dryers, vacuum 4145a
filling machines (see can filling machines)7930
hoists 6186
holding or counterweight 4096a
kettles (see kettles, brass) 6862
machinery, sheet metal.9086
Drum sticks.....14299
traps 15893
Drums, barking (see wood barking machines) 9453
brake 4094
gas (see gas holders).5195
glycerine & oil.....4096
hoisting (see engines, hoisting) 4373
holding or counterweight 4096a
incline 4097
iron 4098
magnetic 4098a
malting 4099
mud 4103
pneumatic sanding.....4100
pneumatic winding (see drums, winding).....4106
recording 4100a
rope driving.....4101
sand 4102
steam or mud 4103
steel 4104
steel shipping (see barrels, steel shipping). 536
tapestry printing.....15126
vacuum drying (see dryers, vacuum).....4145
veneered (see packages, fruit & vegetable)...10442
wax chilling.....4105
welded (see cylinders, welded) 3651
winding 4106
winding, pneumatic...11322
wood (see cases, shipping) 2127
yarn (see spoolers, yarn) 15411
Dry batteries..... 650
battery boxes.....1222
battery fillers.....4711
battery holders (see holders, battery).....6219
battery wax.....16699
cell blasting batteries.. 650a

No.

Dry cleaners, brushes ...1537b
closets 2743a
color grinding mills....9783
colors (see color mfrs.)2885
docks, steel floating....4107
docks & marine railways 4108
earth closets.....2744
goods trucks (see trucks, store, ware house & factory) ..16049
kiln doors.....3921
kiln trucks.....16015
kiln wheels.....16776
kilns 6909
material paint grinders 10524
measures 9647
paints 10543a
pans 10595
pipe tapping machines.9256
plates 11084
poles, enameled, for silk dyers.....15127
pressed brick 1421
process galvanizing....5170
vacuum pumps.....11963
vacuum pumps, rotative 11926
Dryer cars.....2018
& calcining apparatus.4108a
Dryers, argol.....4109
asbestos board 4109a
asbestos rock (see dryers, cement & asphalt) .....4109a1 & 4112
asphalt 4109a1
atmospheric direct heat.4109b
atmospheric drum 4109c
atmospheric rotary 4109d
atmospheric vacuum ...4109e
beet pulp.....4110
benzol 4140a
blue print 960
board 15127a
bone 4124
bone black 4110a
brick 4111
carpet 15128
cars, brick.....2002a
cement & asphalt.....4112
centrifugal metal parts 4113
chemical 4113a
chicory 4114
china 4114a
clay 4111
cloth 15129
clothes, hot air, steam, etc. 2756
clothes, lawn, balcony, etc. 2757
coal 4115
coffee 4116
concentrating 4116a
cotton 15128
cylinder 4117
drum 4117a
electric, hand & face (see machinery, air drying) 7676a
extract 4117b
feed 4118
Dryers, fertilizer.....4119
fish scrap 4119a
for concentrates.....4120
fruit & vegetable.....4120a
garbage 4121
glue 4119
grain & malt.....4122
gravel 12908
hair 15131
hair, electric.....5740
hair process (see hair dryers, electric).....5740
hat 4123
hoof or bone.....4124
hot air apron.....15132
indirect heat 4124a
jacketed cylindrical....4125
kaolin 4126
laboratory 4127
laundry (see clothes dryers) 2756
leaf tobacco 4128
leather 4128a
leather scrap.....4129
lime 4129a
lower 4129b
lumber 4129c
malt 4122
meal 4130
milk, vacuum.....4131
mold 4132
nitrate of soda.....4132a
ore 4133
organic & inorganic material 4133a
paint 4146
paper 4133b
paper mill, etc.....4134
pebble (see sand & gravel heaters & dryers) 12908
pharmaceutical 4134a
phosphate rock.....4135
reclaimed plaster 4134b

No.
Dryers, revolving 4136
rock phosphate.....4135
rotary 4136
rotary, sand and gravel.4135a
rubber 4137
salt 4138
sand 4115
sand, rotary & pan....12893a
seed corn.....4139
shelf 4139a
shirt 4139b
silk 15132a
slack lime. (see dryers, cement & asphalt)..4112
soap 4140
sodium 4140a
starch 4141
steam 4142
steam coil 4142a
stocking 4139b
stone 4142c
sugar 4142d
sulphonate 4140a
tankage 4142e
tanners' extract chip..4143
tanning extract 4143a
textile 4144
tobacco leaf.....4128
underwear 15133
vacuum 4145
vacuum drum 4145a
vacuum rotary.....4145b
vacuum shelf.....4145c
varnish 4146
veneer 4147
vertical 4148
warp 15134
waste heating 4149
wood chip.....4150
wool 15136
yarn 15137
Drying apparatus (cylinder rotary) 4150b
apparatus, kiln 6904
barrels, steam..... 535
cans 15032
combs, hair.....2909
cylinders, rotary.....3647
frames, clothes.....2757
machinery 8252
machinery, air 7676a
machines, copper cylinder 15138
machines, leather.....8533
machines, metal.....8584
machines, print works15139
machines, pulp.....8859
machines, veneer.....9384
pans 10595a
rooms (see clothes dryers) 2756
stoves, brass founders'.14401
trays, vitreous enameled 15919c
trucks 16015a
& cleaning, compressed air 2952a
& impregnating apparatus, vacuum 16249
& washing machines, blue print 960
Duck aprons..... 209
belting 4150b
calls 1808
coats 2790
cotton 3251
decoys 3681
enameled 4150a
hose 4150b
looms, cotton 15248
oiled 4151
Duck roofing (see cotton duck & canvas).....3251
slitting machines.....8253
Dumb bells & quoits....4152
waiter pulleys, antifriction 11726
waiter rope (see cordage & twine).....3196
waiters 4155
waiters, electric.....4156
waiters, pneumatic.....4157
waiters, self-sustaining.4158
Dummy rifles 12413b
Dump boxes, wagon....16553
buckets, center.....1536
cars 2019
cars, air.....1994a
cars, bottom.....2021
cars, cradle 2014a
cars, gravity.....2033
cars, hand, steam railway 2019
cars, industrial.....2020
cars, rocker 2054b
cars, side.....2021 & 2059
cars, steel.....2066
cars V.....2080b
scales 13027
scow winders, steam..16855
wagon irons.....6753
wagons, asphalt.....16555
Dumpers, car.....1918
Dumping bodies, automobile 1001a
buckets (see tubs, hoisting & dumping)16132
tubs, hoisting & dumping) 16133
Dumping buckets, bottom..1585
buckets, bottom.....1585
cars 2022
cars, railroad.....2023
carts 2092
grates 5583
machines, car.....7967
tubs 16132
tubs, wooden.....16132
wagons 16565
Dumps, ash 4159
automatic crossover....4160
ice 4161
rotary mine.....4162
wagon 4163
wagon, portable.....5554
Duplex gauges, airbrake.5278a
marine valves 16299a
pumps 11840b
twin bolts 1073
Duplicator inks.....6607
Duplicators 4165
Duralumin 4167
Dust arresters for foundries .....4167a & 4168
arresters, metal screen.4168a
bone 4169
brushes 1538
catchers, radiator.....12097
cloths, dustless 2765
collectors, mechanical..4170
collectors, sugar (see sugar machinery)....9227b
conveyors, saw.....3133
felts, ring 4627a
fire-clay 4170a
guards 5688
guards, journal box....4171
handling fans 4529c
laying compounds (see road binders, etc.)..12530
laying oils (see road binders & preservatives) 12530
marble 9567
pans 10596
pans, automobile.....10584
proof oilers, self-closing 10267
saw 12948
separators 13297
slate 13733
soapstone 13819
tobacco 15654
washers 16330b
zinc 17133
Duster mfrs.....4172
Dusters, bran.....4173
counter 4173a
dustless (see cloths, dustless dust).....2765
insecticide.....4174
mitten 4175
painters' 4176
paper mill.....4177
rag 15141
wool & waste.....15142
Dustless dust cloths.....2765
floor brushes.....1539
Dutch clinker brick (see brick, dutch oven)..1422
head picks.....10851
ovens (see pans, roasting & baking) 10606
oven brick.....1422
Dye becks.....15143
house cans.....15033
house trucks.....16013
Dye kettles (see copper work, dyers').....3188
stuffs 4177a
tubs 15144
vats 16464
wood extracts.....4511
Dyeing machinery.....15145
machines, skein 15146
Dyers' copper work.....3188
kettles 6871
Dyes 4177b
aniline 173
household 4177c
Dyestuff, intermediates.6688a1
mills 9784
Dyestuffs .....173 & 4177a
Dyewood extractors.....4498a
Dyewoods 4177d
Dynamite, cartridges....2087
exploders (see exploders) 4484
gelatin 5412a
mfrs., extra, straight, gelatine, low freezing 4178
shell machines.....8254
thawers 15491
Dynamo brush copper....3174
brushes 1552b
field regulators.....12321
oil gauges (see gauges, oil) 5307
oils (see lubricating oils) 7621
tapes 14839
webbing 14839
& motor mfrs... 4179
Dynamometers 4180
Dynamos, electro plating.4181
turbine 4182
Dynamotors 4183
Ear corn cutters.....3549
fusing machines.....9156
soldering machines.....9156
tag punches.....11995
Earphones (see audiphones) 809
Ears, pail.....10497
trolley 15974
Earth augers..... 314
bleaching (see fuller's earth) 5034
colors 2890d
fuller's 5034
infusorial 4185
paints 10544
tripolite 4186
Earthenware (see potteries, plumbers, sanitary earthenware, etc.) ..... 11448 & 11252
car builders'.....1913
plumbers' sanitary....11252
Easels, brass.....4187
paper 4188
plate & picture.....4189
wire 4190
Eave trough beading machines (forming & beading) 8256
trough hanger machines 8255
trough hangers 5394
trough machinery.....8100
trough machines, combination forming & beading 8256
trough mfrs.....3012
trough strainers.....14425
trough wire hanger twisting machines....8257
Ebony handles 5833a
Eccentric oilers.....10253
wire clamps.....2576
Ecclesiastical decorators (see decorations, church) 3673
Economizers, fuel.....5031
gasoline fuel.....12926
Edge metal box machines 8585
Edgers, double.....4192
gang saw.....4193
lumber 4193a
roofing 4194
turf 4195
Edges side, plumbers...13619
straight 14421
Edging grinders.....5621
machinery 8258
machines, paper box...8707
or lock folding machines 8259
saw machines.....8260
Edible oils 10299b
Ediswan miniature electric lamp sockets...13830a
plugs 11216
receptacles 12222a
Educational motion pictures 9949a
Eductor condensors.....2999b
Eductors, jet water & sand lifting.....4196
Efficiency engineers.....4339
indicators 6555
Effervescent salts 12882b
Egg albumen 108b
beaters 697
beaters, dover type.... 697a
boilers, automatic.....1021
boilers, electric.....1023
Egg candlers (see testers, egg) 14977
carriers 1985
case fillers.....4712
cases 2112
crates 3397
darning 4196a
openers 10367
poachers 11326
separators 13298
testers 14977
timers 15603
Eggs, acid..... 30
nest 4197
Egyptian, D. H. Gray, fibre 4677
Ehrhardts', weighing apparatus 16737a
Eight hooks.....6374
18K white gold.....5525b
Ejector condensers.....3000
Ejectors, acid 4197a
ash, hydraulic 4198
boiler 6602
bronze bleach.....4199
sewage 13336
steam, acid proof.....4200
Elastic cements.....2247
felts 4618a
surgical hosiery.....6475
washers 16631
webbing 16717
Elaterite (see hydro carbon) 6511
roofing 12724
Elbow former, conduit..3014
machines 9215
seam closing machines.8261
Elbows, boiler 4201
brass 4202
cast or malleable.....4203
closet 4204
conductor 4209
conductor pipe.....4209
conduit 4205
corrugated 4205
furnace (see furnace pipe & fittings).....5043
plumbers' rubber.....4206
service 4207
stovepipe 14393
street 4207
union 4208
& shoes, conductor....4209
booths, steel or wood..4210
Electric adjustable wall & ceiling fixtures....4325
air pumps 11842
air rock drills.....4058
air & steam stone channeling machines.9207
alarm clocks.....2727
alloy steel, alloy & carbon 14197
arc lamps.....7145
automobile lamps.....7153
automobiles, passenger. 320c
axle lights (see car-lighting apparatus)..1921
beam straps 14451
bell floor treads.....4837
bell gongs, unmounted.5525
bells 714
blankets (see heaters, electric) 6025
blasting 887b
blasting apparatus.....4211
blasting batteries (see blasting supplies).... 890
blasting caps, delay...1894b
blow torches, oil.....15816b
blower regulators.....12315
blowers 929
blowers & exhausters... 952
blue printing machines (see blue printing machines).. 962
boosters 1142
broilers 1484
builders' hoists.....6174
cable compounds.....2936
cable hangers.....5395
cable sockets 13827a
cables, copper.....1776
car air brakes.....1359
car brakes.....1364
car headlights.....5983
car heaters.....6026
car lamps, incandescent 7175
car lighting apparatus see car lighting apparatus) 1921
car radiators (see heaters, electric car).3026
car trucks.....16010
car window washers, portable 1934
carriage calls.....1967
cars 2023a
ceiling fan blades..... 859a
ceiling fans.....4528
chain hoists.....6188
circuit breakers 1390
clamps 2577
clocks 2726
Electric clocks, alarm...2727
clocks, secondary.....2734
cloth cutting machines.8262
clothes washing machines (see washing machines) 16662
clutches 2776
code machines 8064a
compressor regulators.12318
condensers 3001
contact thermometers.15506
controllers, automatic..3052
converters 3078
conveying cars.....2024
conveying telpherage.14941a
conveying trolleys....15978
cooking apparatus.....3148
copper 3175
cord tips.....15624
crane brakes.....1365
crane controllers.....3345
crane motors.....9969
cranes, overhead.....3373b
current taps.....14853
cutters 15102
cutting & welding apparatus 16748a
desk lights 7442
direct current.....4532
disc fans, direct connected 4530
disc stoves.....14410
door openers.....3903
drills, portable.....4027
driven saws.....12974
drop lamp holders.....6246
drum controllers (see controllers, electric hoist) 3056

INDEX

INDEX

No.

Electric dryers, hand & face (see machinery, air drying) 7676a
dumb waiters.....4156
egg boilers.....1022
elevator controllers....3054
elevator motors.....9970
elevator self-starters..4249
elevators 4263
equipment, precipitations 11465a
excavators 4462
exhausters 952
exhausters & blowers.. 952
fan controllers.....3055
fan motors.....9971
fan regulators.....12322
fans (electric disc) direct connected 4530
fans portable, alternating current 4531
fans, portable, direct current 4532
farm wagons.....16567
fault finders.....4589
fixture blocks..... 908
fixture parts 4220a
fixture studs.....14504
fixtures 4220
float switches.....14584
floor matting.....9624
foot warmers 4923
forgings (see welding, electric) 16744
furnace cores.....3213
furnace steel.....14217
furnace transformer...15866a
furnaces 5067
fuses, miscellaneous....5158
gas generating sets....5413b
gas lighters.....7433
gas lighting burners...1671
gear shifts.....5365
generators (see generators, various kinds)
griddles 5601
grinders 5622
grinders, portable 5636
gyrating fans 4534a
hair dryers.....5740
hammers 5765
hand buffers.....1628
heat treating machines 8265a
heaters 6025
heaters, car.....6026
heating devices.....6062
heating pads.....6064
heating & ironing outfits, shoe factory....4212
hoist controllers.....3056
hoisting machinery....8448
hoists 6187
hoists, builders'.....6174
hoists, monorail 6189
hoists, reversible friction 6190
house brackets.....1329
house pumps.....11843
igniters, delay.....6529
illuminated signs.....23665
insulation, alignum ...6649a
iron cord holders.....6237
irons 12844
lamp brackets.....1330
lamp guards (see lamp guards) 7140

Electric lamp holders....6247
lamp hoods & fixtures.6300
lamp pulleys (see pulleys, arc lamp).....11727
lamp socket rings.....12446
lamp sockets..13828 & 13834
lamp sockets, medium.13829
lamp & lantern flashlights 4863
lamps 7165
see (lamps, incandescent electric), 7175; also (lamps, nitrogen), 7202a; also other headings for lamps.
lamps, Christmas tree.7163a
lamps, incandescent....7175
lamps, incandescent portable electrics....7182
Lanlage systems.....4211a
lanterns 7225
light baths..... 641
light fixtures.....4220
light plants, portable & stationary 4213
light portables.....4221
light wire (see insulated) 16945
lighting, decorative....3673
lighting generators....5418
lighting machinery....8263
lighting plants for yachts 4214
lighting sets.....4215
lighting systems.....7437
lighting systems, auto.4216
locomotive cranes.....3358
locomotives 7586
machines, static.....9193

Electric magnetic brakes..1366
meters (see wattmeters) 16694
milk warmers.....16616
mine haulage locomotives 7588
mine hoists (see hoists, mine) 6203
mine locomotive headlights 5983a
mine signals 13643
mine supplies.....9836
miners' lamps.....7197
mining motors.....9974
molded insulation.....6654a
monorail hoists.....6189
motor brakes.....1367
motor compressor governors 5533
motor controllers.....3057
motor lubricators.....7627
motors 9968
motors, automobile....9961a
motors for flexible shafts 9972
motors for machine tools 9973
motors, single phase...9977
neutralizer 10122
non-magnet arc lamps.7145
novelties 4217
organ blowing motors..9984
ovens 10426
pocket lamps (see flashlights, electric lamp & lantern).....4863
polishers 11382
porcelain specialties...11387
portable drills.....4027
portable fans, alternating current.....4531
portable fans, direct current 4532
portable grinders.....5636
portables 11391
power generators.....5419
power locomotive turntables 16175
power shovels.....13586
power transmitting machinery 8847
power & lighting machinery 8263
pressure pumps.....11844
program clocks.....2735
protectors 11693
pump controllers.....3058
pump governors 5534
pump regulators (see governors, electric pump) 5534
pumping machines.....8869
pumps 11341
push buttons.....12032
radiators 12100
railway contractors (see contractors, building & general).....3044
railway controller regulators 12319
railway forgings.....4945
railway gears (see gears, cut).....5378
railway motors (see generators, street railway) 5430

Electric railway pinions (see gears, cut).....5378
railway signals.....13644
railway supplies.....12129
railway wrecking cranes 3358a
ranges 12150
recording instruments.6625a
reflectors (see reflectors, various kinds), 12279 to 12287; (or shades & reflectors), 13357 to 13359a
refrigerating apparatus 12289
resistance metal (see alloys for electrical purposes) 122a
resistance wire 16929c
rivet heaters 12492a
rivet heaters 6026a
riveting machines.....8927
rock drills.....4057
rod heaters 12541a
rosettes 12770
sad irons.....12844
searchlights (see projectors or searchlights) 11684
self-winding clocks.....2735
service boxes.....1223
sewing machine motors.9989a
sidewalk elevators.....4264
sign flashers.....4861
sign projectors (see flashers, electric sign) 4861
signs, illuminated.....13664
socket linings 7474
soldering irons.....13879
spark arresters..... 240

Electric speed controllers 3059
speed indicators.....6553
squibs 14080
stage lights.....7445
static machines.....9193
steel castings 2163a
steel engine bolt.....14216c
sterilizers 14290
sterilizing heaters.....6047
stoves 14409
supplies 4219
switch handles.....5834
switches (see switches, various kinds) 14563 to 14617
thawing machines.....8263a
thermometer controllers 3072
toaster stoves (see toasters) 15653
tools 15723
torches 15808
towels (see machinery air drying) 7676a
toys 15839
tractors, storage battery 15852a
train brakes.....1365
train connectors.....3034
transfer tables.....14670
transmission towers & structures, electric..15876
traveling cranes.....3359
travelling hoists.....6191
trip throttle valves...16299b
trolley hoists (see hoists, electric traveling) 6191
tubes, candle 16068a
turn-down lamps.....7217
turntable tractors.....16171
vacuum cleaners (see vacuum cleaners)...16248
vaporizers (see primers, gasoline engine)....11671a
ventilating apparatus.16474
ventilators, exhaust & intake 16485a
vulcanizer 16548
walking jib cranes....3368
water heaters.....6056
wax melter & dropper.16702
welded chain 2286a
welded forgings.....4946
welding 16744
welding machines.....9401
welding & cutting apparatus 16748a
winches 16850
wire cord spool.....13949
wire making machinery 8264
wire stretchers.....14478
wire testing clamp.....2617
wiring moulding 9894b
& street cars.....2068
& time detonators 890

Electrical automobile equipment 323
bearings 675
castings 2164
contacts 3041
engineers & contractors.4222
felts 4619
fittings 4807
glassware 5495

Electrical goods mfrs'. machinery, sheet metal..8265
horns 6436
instrument springs...14011a
insulation 6653
iron sheet.....6716
measuring & testing instruments 6626
parts & fittings (stamped) 4223
porcelain machinery...8266
porcelain specialties....11387
reamers, portable.....12193
recording instruments..6625a
resistance alloys 122a
slate 13741
soapstone 13818
specialties, wood 13904b
steel sheets.....6716
testing instruments & meters 14990
testing sets.....14991
testing & measuring instruments 6626
wood turnings.....17039
woodwork 17042

Electrically operated gauges 5279
operated valves.....16300
operated whistles.....16833
welded fabric 4224
welded wire fences.....3536

Electricians' bits.....4075
drills 4075
furnaces (see furnaces, gasoline blast).....5080
screw drivers.....13172
tools 15746

Electro chemical apparatus 4225
dental machinery.....8267

Electro galvanizing 5171
magnetic separators..13298a
magnets 9513
mechanical gongs.....5528
platers' chemicals.....2438b
platers' supplies (see platers' & polishers' supplies) 11054
platers' tanks 14753
plating 4226
plating bronze.....4227
plating chemicals.....2438b
plating dies.....3768
plating dynamos.....4181
plating generators.....5419a
plating machines.....8268
pneumatic brakes.....1368
pneumatic signal apparatus 13637
static separators.....13299
therapeutic apparatus..4228
& linotype sawing machines 8269

Electrodes 4229

Electrogrip, drop light...4230

Electrolers (see electric & gas light fixtures).4220
iron & bronze.....4225a

Electrolyte 4233
acid 30

Electrolytic cells.....2225
copper refiners.....3180
generators 5420
lead refiners.....7344
nickel 10125
zinc 17133a

Electrolyzers 4232

Electroscopes 4234

Electrotype blocks 908a
cabinets 1755a
machinery 8270
metals 9691
sawing machines.....8269
trimming machines....8271

Electrotypers' nails (see nails, small).....10085
steam type form cleaners 4234
wax 16699a

Electrotyping generators.5421
graphite 5569

Elemi gum 5717d

Elevated tanks, sheet metal 14801
tanks, steel 14806a
tanks, wooden 14823a

Elevating graders.....12532
machinery, ice (see ice handling m'ch'y)....3481
trucks 16017
& conveying machinery 8272

Elevator air cushions....4235
annunciators 178
belting mfrs. 743
belting mfrs., stone .. 751a
bolts 1055
booths 1146
buckets 1594
builders, grain.....5553
cables (see wire rope & cables) 16975
cars 4236
chains 2325
chains, ice (see chains, conveyor) 2315
controllers, electric....3054

Elevator creamers.....3416
cups 3496
door hangers.....3893
door locks.....7539
door locking devices (see elevator safety locks) 4247
door openers & closers.4237
doors, automatic fire...3925
doors, bronze.....3926
doors, metal (see elevator cars & enclosures) 4236
doors & enclosures.....4238
dredges 3992a
enclosures 4236
gates, automatic.....4240
gates & guards, folding.4241
governors 4243
guide lubricators.....7628
guides 5712
hoists 6191a
ice planers 11018
indicators 6554
insurance & inspection.6681
interlocks (see elevator safety locks).....4247
motors, electric 9970
pumps 11845
repairs 4245
safety devices.....4246
safety gates (see elevator gates, automatic) 4240
safety locks.....4247
safety stops.....4248
scales 13023
seats, folding.....13264
self-starters, electric...4249
service pumps, hydraulic 11876

No.
Elevators, hydraulic ..11876
shaft grease.....5590
siding (see roofing & siding, iron & steel).12753
signals 4250
switches, reversing ...4252
thresholds, illuminated.6531
travel recorders.....12232
weights 16738
Elevators, acid (see montejus, automatic)....9928c
ashes 4254
automobile 4258
barrel & package.....4255
belt power (see elevators, freight & passenger) 4270
box water (see elevators, water, for mine & quarry) 4293
bucket 4256
building material.....4257
carriage 4258
clay (see conveyors, brick & clay).....3095
coal, traveling.....4291
combination hand & belt power.....4259
concrete 4260
contractors' material...4262
cotton 15147
electric 4263
electric sidewalk.....4264
employees' 4265
flour 3112
for canning factories...4267
for crushing plants....4268
for mine & quarry.....4268a
foundry 4269
freight 4270
garage 4270a
gearless traction.....4271
grain 5553
gravel (see conveyors, coal & ash handling) 3103
gravel, hydraulic.....4276
gravity 4272
hand power.....4273
hay (see carriers, hay, also elevators, portable).....1988 & 4284
hod 4274
hydraulic 4275
hydraulic gravel.....4276
ice (see ice handling machinery) 8481
incline (see stairways, moving) 14111
light 4279
link belt (see conveyors, link belt)....3119
marine 4280
oil well 4280a
package 4255
passenger 4270
pipe 4281
plunger 4282
pneumatic 4283
portable 4284
push button.....4285
quicksilver 4286
revolving portable (see tiering machines)....9303
salt 4287
sand (see conveyors, coal & ash handling).3103
sidewalk 4288
Elevators, sidewalk, electric 4364
spool 15148
stone (see elevators, bucket) 4256
theatre, orchestra, lift 4289
theatre, organ lift.....4289a
traction 4290
traction gearless.....4271
traveling, coal.....4292
tray (see elevators, barrel & package).....4255
wagon 4258
water, for mine & quarry 4293
& conveyors for all purposes 4294
Eliminators 4295
Ell fittings 4808
Elliptic springs.....14012
Elm hoops, coiled.....6418
lumber 7653
Emblems 374
Embossed brass 1376
mouldings 98941
seals 13246a
sheets 13481
shingle rolls 13527
Embossers glass 5446
Embossing dies.....3769
inks 6608
machines 8273
machines, leather.....8534
machines, pattern letter plate (see presses, type embossing)....11657
plates, leather.....11103
presses 11649a
presses (printing & embossing) 11612
presses, type.....11657
Embossing varnishes ...16449
Embroidering machines...8274
looms 15251
Embroidery hoops 6418a
machines 15149
rings 12446a
Emergency cabinets (see cabinets medicine)...1761
exit door bolts.....1070
exit door locks.....7540
valves 16301
Emery cements.....2266
cloth (see paper, flint, sand & emery).....10663
fillet 4722a
grains 5554a
grinders 5623
mfrs. 4297
ore 10374
paper (see paper flint, sand & emery).....10663
paste 10756
planers 11016
pulverizers. 11772
rock mills.....9785
steel 14218
stones 14351
wheel arbors (see grindstone fixtures)..5663
wheel dresser cutters..5550
wheel dresser handles.5835
wheel dressers.....3997
wheel glue.....5513
wheel guards.....5639
wheel mfrs.....4298
wheel presses.....11532
wheel safety flanges...4355
wheel speed controllers.3060
wheel stands & arbors (see grinders, emery)5623
wheels, vulcanized rubber 4296
Employees' elevators.....4265
uniforms 16228
Employers' liability insurance 6679
Employment agencies, engineers, draftsmen & other high grade men 4299
Emulsifiers 4300
Emulsion oils.....10300
Enamel carriage cloth...1968
colors 2890e
mills 9792
ware machinery sheet metal 8276
Enameled bath tubs, galvanized steel 634
brick 1423
brick buffing machines.7895
developing trays, vitreous 15919b
dry poles for silk dyers 15127
drying trays, vitreous 15919c
duck 4150a
evaporating trays, vitreous 15919e
guides 15193
iron bathtubs..... 632
iron laundry tubs (see bath tubs, enameled iron) 632
iron pipe.....10939
iron reflectors.....12279
iron signs.....13666
knobs 7067a
leather 7366
Enameled leather varnishes 16450
metal tile.....15581
paper 10657
perforated trays, vitreous 15924b
pipe, glass 10941c
spittons(see cuspidors). 8520
steel pipe.....10967
steel reflectors.....12280
steel sheets.....14254
steel signs.....13667
steel table tops.....14638a
steel tanks 14808
storage tanks 14753a
stoves 14410a
terra cotta, architectural 14964
tile 15580
trays 15919d
ware mfrs., kitchen....4301
ware mfrs., plumbers' (see bath tubs, enameled iron)..... 632
wire 16930
wood handles.....5836
Enamelers 4302
glass 5447
Enamelers' chemicals....2439
furnaces 5069
furnaces, muffle.....5070
muffles 10031
ovens 10427
porcelain 11336
white 16838b
wood 17037
Enamels 4303
air drying.....4304
aluminum (see paints, aluminum) 10529
anti-rust 4304a
architectural 4305
automobile 4305a
baking 4306
bath tub 4307
brewers' 4308
fender 4305a
flat 4309
gold (see paints, aluminum & gold).....10529
iron....4306, 4315 & 10548
locomotive, truck & car 4311
porcelain 4312
radiator 4313
storage battery.....4314
stove pipe.....4315
vitreous 4315a
window screen.....4316
Encasing lead cable.....4317
Encaustic floor tile.....15582
Enclosed indicating fuses.5157
renewable fuses.....5157a
Enclosures, elevator.....4236
factory fences & gates.4524a
tool room 4317a
wire, tool room 17001b
End cutting nippers....10135
flights 4318
gate boards..... 985
gate catches.....2210
gate hinges.....6098
gate plates 11085
gate seeders.....13274
gate springs.....14013
hooks, auto side chain.6334a
measures 9648
measuring rods.....12560
milling cutters 3550a
milling machines (see machines, paper box) 8708
mills 9786
machines, rail.....8901
Ending machines, box...7886
Endless aprons.....14997
chain saws.....12975
transfers 15862
Endorsers, check (see check writing machinery) 3011
Ends, bolt 4319
canopy 4320
car 4321
curtain pole.....4322
drill, rose.....4007
joint 4323
pew 10824
rod & yoke.....4324
safe, boiler tube.....12850
shaft 4325
yoke 17123
Engine bags, gas..... 390
bells 715
bolt electric steel....14216c
bolt iron.....6695
brasses 1387
centering jacks 6774
cleaning waste machines 15464
connected ventilating fans (see blower mfrs.) 935
cushions 3517
cylinders, gasoline.....3637
driven oil compressors.2969
generating sets, steam.5416
governors, gasoline....5535a
governors, steam.....5542
guards 4327
hose 6456a1
house hinges 6099
igniters, gas & gasoline.6530
indicators 6555
indicators, diesel.....6555a
indicators, gas.....6558
indicators, steam.....6579
lathes 7264
logs 7603b
lubricators, brass, etc..7629
markers 9590
oilers 10254
oils (see lubricating oils) 7621
parts 4326
parts, aeroplane 4326
pistons 11000
primers, gasoline.....11671a
push poles.....11363
registers 12303
revolution counters....3264
roll bars & bed plates, paper mill.....12605
room tools (see tools, packing) 15758
shields & guards.....4327
sprayers' outfits, gasoline 13977d
springs 14014
starting exhausters....4475
stops, speed limit.....4329
torches (see torches, engineers') 15809
valves 16302
& boiler combined.....4330
& motor parts.....4331
Engine & pump combined 11782
& tender hose.....6456a1
Engineering instruments.4333
schools 4332
Engineers, architectural, structural, consulting 4334
bakery 4334a
cement plants.....4335
chemical 4336
civil 4337
combustion 4338
concrete reinforced....2995
consulting, architectural & structural....4334
consulting, designing & industrial 4338a
consulting, heating & ventilating 6070
contracting, heating & ventilating (see heating contractors, steam & hot water).....6061
efficiency 4339
electrical 4222
heating, contracting...6061
heating, consulting....6070
industrial 4339a
inspecting & testing...4340
marine (see architects, naval) 229
mechanical 4341
metallurgical 4342
mill 4343
mining 4342
modernizing 4344
power plant 4345
production 4345a
refrigeration 4346
reinforced concrete (see concrete steel construction reinforced).2995
rock products 4346a
sanitary 4346b
structural, consulting..4334
testing 4340
ventilating, consulting.6070
ventilating, contracting (see heating contractors, steam & hot water) 6061
Engineers' compasses....2918
hammers 5766
hand lamps.....7170
instruments & supplies. 232
levels 15871
oil fillers.....4713
oiling sets.....10275
supplies .....232 & 4346c
tools (see index of contents for specific article required)....
torches 15809
transits 15870
tripods 15968
wrenches 17071
Engines, aerial navigation (see engines, aeroplane) 4347
aeroplane 4347
air (see engines, compressed air) 4356
alcohol 4348
artesian well (see pumps, artesian well) 11802
automatic (see engines steam with the word automatic following their name).....4409
automobile 4349
beating 4350
blowing 4351
bridge erecting.....4352
Engines, cableway.....4353
carding, woolen & worsted 15150
chemical fire.....4760
churn drill.....4354
compound 4355
compressed air 4356
contractors' hoisting...4374
corliss 4359
crude oil.....4388
deck (see hoists, dock & deck).....6185
deep well pumping....4395
dental 4360
die 4387
diesel 4360a
direct connected & belted 4361
distillate 4362
drawbridge 4363
dredging 4364
drilling, oil & gas well. 4365
fire, chemical.....4760
fire, hand.....4762
fire, motor.....4763
for fan driving, etc....4366
fuel oil.....4366a
garden 4366b
gas hoisting.....4375
gas power.....4367
gas pumping.....4396
gas & gasoline.....4368
gasoline, hoisting.....4375
gas & steam rebuilt...4370

INDEX

INDEX

No.

Engines, gasoline, locomotive 4371
gasoline, marine.....4382
gasoline, pumping.....4396
hand car 4371a
hand fire.....4762
haulage 4372
high duty pumping....4397
hoisting 4373
hoisting, contractors'...4374
hoisting, gas or gasoline 4375
hoisting, mine.....4376
hoisting, pneumatic....4377
hoisting, portable.....4378
hot air pumping.....4398
hydraulic pumping.....4399
incline cableway.....4379
jordan 4380
kerosene (see engines, oil) 4380a
launch 4420
locomotive traction (see locomotives, dirt road).....4413 & 4413a
logging 4381
logs 7603b
marine, gasoline.....4382
marine, oil.....4383
marine, portable (see motors, rowboat, detachable) 9989
marine railway (see engines, hoisting).....4373
marine, steam.....4384
mine hoisting.....4376
mining, steam.....4385
naphtha 4386
oil 4387
oil, crude.....4388
oil, Diesel type (see engines, oil).....4387
oil, marine.....4383
pile driving.....4389
pneumatic (see engines, compressed air).....4356
pneumatic hoisting....4377
poppet valve.....4390
portable hoisting.....4378
portable, on wheels....4391
portable, steam.....4392
producer gas.....4393
pumping 4394
pumping, deep well....4395
pumping, gas & gasoline 4396
pumping, high duty....4397
pumping, hot air.....4398
pumping, hydraulic....4399
pumping, triple expansion 4400
pumps, etc. 11845a
quarry 4401
reversing 4402
rolling mill.....4405
rotary 4406
self oiling.....4407
steam 4409
steam marine.....4384
steam, rebuilt.....4369
steam thresher (see engines, traction) ..4414
steam turbine (see turbines, steam).....16154
steering 4410
swinging 4412
traction, gasoline.....4413
traction, kerosene.....4413a
traction, steam.....4414
traction, straw burning.4415
triple expansion pumping 4400
turbine (see turbines, steam) 16154
unaflow type, Stumpf patent 4416
vertical 4417
washing, paper mill....4418
waterworks pumping...4418a
winding 4419
yacht 4420
English casement sash..12920
hall clocks.....2723
pots 11428
Engravers, copper roll..15151
Engravers' brass.....1377
chucks 2511
metal plates.....11086
nails 10085
rolls 12670
supplies, photo 10836c
tools 15724
transfer presses.....11533
Engraving boards, printers' 984
machines 8277
machines, print works.15152
photo, copper (see photo engravers' supplies) 10836c
Ensilage cutters.....3551
knives 6974
pipe 10939a
Entrance doors, metal...3942
gates 5229
Entrances, bronze..4421 & 1480
iron (see iron, architectural or ornamental) 6690

No.

Entry drivers, coal.....4422
Envelope, gum 5718
machines 8278
manufacturers, catalogue, merchandise & tag 4423
moisteners 9893
paper 10658
sealing machines.....8279
sealing machines, pay.9049a
stamping machines (see postage stamp affixing machines).....8844
Envelopes (advertising)..4422a
all kinds 4422b
bankers' 4422c
catalog 4423
coin 4424
document 4424a
filing 4425
glassine 4425a
leather 4426
metal clasp 4426a
merchandise 4423
package attaching (see mailing devices, combination letter & parcel) 9521
photo mailing 4426a
plain & printed.....4427
pliable metal.....4428
postage saving 4428a
tag 4423
window 4428b
Eosine 4428c
Epsom salts.....12882a
(see also magnesium sulphate)
Equalizers, hot water....4429
or eveners.....4430
Equalizing machines, stave 9195
& cutting-off machines, wood 9462
Equalling files (see file & rasp mfrs.).....4691
Equipment, chemical plant 2435a
contractors' 3049a
electric precipitation..11465a
first aid room.....4787a
quarry 12044b
railroad for narrow gauge 12114a
railroad, second-hand.12115
refining 12278a
service station & garage 13318b
Equipments, post office..11395
tire repair.....15640
turntable 16170
Eradicators, ink 4431
Eraser felts 4618b
Erasers, blackboard.....4432
draftsmen's 4433
ink 4434
ink, brush.....4435
motor driven 4435a
rubber 4436
Erasing shields, draftsmen's 13517
Erectors, steel structural14268
Escalators (see stairways, moving) 14111
Escapes, fire (see fire escapes, various kinds) 4765 to 4772
Escutcheon pins.....4437
Escutcheons 4438
Eserine 4439
Ess hooks (see "S" or "eight") 6374
Essential oils.....10301
Ester gum 5718a
Estimate books, plumbers' 11249
Etched metal signs.....13668
Etching outfits, steel....10420
plates, steel.....11131
points 4439a
Ether, acetic (see ethyl acetate) 10
sulphuric & U. S. P....4440
Ethyl, acetate..... 10
alcohol 112
Ethyl, aniline (see chemicals) 2437
aniline, nitrosodim....10163b
bromide 4440a
chloride 4440b
ketones 9742a1
Ethylene gas 5191d
Eucalyptol 4440c
Eucalyptus oils.....10301a
Euclid stone laundry tubs 7319
Evaporated milk (see canned goods).....1329
Evaporating dishes.....3847a
machinery apple.....7684
pans 10597
trays, vitreous enameled 15919e
Evaporator castings.....2165
feed pumps 11845b
furnaces (see evaporators. .....3405c to 3412a
tanks 14754

No.

Evaporators, acid resistant, lined 4450
basket type 4440d
brine 4441
chemical 4441a
chemical, paper pulp..4442
crystalizing 4443
exhaust steam.....4444
extract 4444a
flash 4444b
fresh water distilling..4445
fruit 4446
glue 4447
glycerine (see stills, glycerine, & glycerine machinery & apparatus 14316a
high concentration.....4447a
horizontal tube.....4448
iron 4448a
jelly, from apple juice.4449
lined acid resistent....4450
maple sugar.....4451
milk 4451a
miscellaneous 4452
multiple effects.....4453
potash 4453a
pressure 4453b
rapid circulation 4453c
salt water.....4454
single or multiple effect 4454a
soda recovery 4454b
sorghum 4451
sugar 4454b1
sulphite 4454c
syrup 4455
tubing 16099a
vacuum 4456a
vertical tube 4455b
water 4456
Evaporometers 4458
Evener elevises.....2694
motions 15282
plates 11113
regulators 15342
staples 14166
Eveners or equalizers....4430
Examining perches.....10814
Excavating buckets.....1593
cableways, sewer & trench 1785
machinery 8280
machines, portable.....8281
machines, sewer & trench .....1785 & 9055
peat machy. 8760b
& screening plants, sand, portable.....12894
Excavator cableway 4458a
scraper buckets (see buckets, drag line scraper) 1592
Excavators, cableway....4458a
cableways, drag line..17813
drag bucket.....4459
drag line.....4460
drainage 4461
electric 4462
for canal irrigation & ditch 4462a
placer mining.....4463
railroad (see excavators drag line) 4460
scraper bucket (see excavators, drag bucket) 4459
skid 4465
steam 4466
tower 4466a
traction 4466b
& loaders 4466c
Excelsior baling presses (see presses, baling & hay) 11484
bottle wrappers 1163a
boxes, metal (see boxes, metal) 1251
knives 6975
machinery 8282
mfrs. 4467
mattresses 9631
packing pads 10488c
wrappers 17050
Exchanges, heat 4468a
Exercisers 4468
Exhaust boxes, canners..1829a
deflectors 3634a
fans 4533
Exhaust heads 4469
heaters 6027
piping 4470
pressure regulators....12823
steam evaporators.....4444
steam heating systems.6065b
systems sand blast...12891a
tubing 16099b
tumbling mills.....9787
valves 16304
valves, turbine.....16304a
ventilators, electric...16485a
Exhausters, acid.....4471
cotton 4471a
electric 4472
gas 4473
planing mill, etc.....4474
pump & engine starting 4475
steam jet.....4476

No.

Exhausters, turbine driven 4477
& blowers, electric..... 952
Exhibitors, rug.....4478
Expanded metal.....9663
metal lath 7247
metal lath machinery..8283
Expanders, cloth.....15153
cloth (Mycock's).....15063
hose 4480
tube 4481
Expanding chucks.....2511a
dies, adjustable.....8747
machines, coupling....8143
mandrels 9531
pliers, lead pipe.....11167
& flanging machinery, pipe 8793
Expansion bolt & shield.1047
bolts 1074
bolts, brass.....1075
bolts, for concrete work1076
bolts, single & double.1077
boring tools.....15725
bushings 1710
couplings 3294
joints 6834
paving joints 6835
plates 11037
pliers 11163
plugs, core 11214a
reamers 12194
screw anchors..... 164
shells (see bolts, expansion) 1074
shields & bolts.....4482
tank gauges.....5280
tank gauges.....5280
tanks 14755
Expansive bits..... 832
Expellers, ash S. S.....4482a
oil & moisture.....4483
Experimental work & models 9891
Exploders 4484
cartridge 4485
paper cap.....4486
Exploration work, mine..9834a
Explosives, all kinds....4487
blasting 4488
high 4488a
metal mining 4488a
oil well 10245a
permissible 4489
Express barrows..... 544
car safes.....12852
paper 10659
Extension bars..... 567
blades, shoe cutters'... 866
bolts 1078
dial curb boxes.....1224
dividers 3861
drills 4029
gap lathes.....7265
hinges 6100
holders, bit 6248
ladders 7112
planks 11026
rules 12813
scaffold ladders 7113
Extensions, bit brace....4490
tap 14826a
Extensometers 4491
Exterior, cement plaster "Stonekote" 14349a
work marble 9568
Exterminators (see insecticides), 6622; (also killers, gopher & squirrel) 6902
External grinding.....5661
Extinguisher recharges, fire 12226b
Extinguishers, fire.....4773
fire, chemical (see fire extinguishers, chemical) 4773
fire, steam.....4774
Extinguishing systems, fire, marine.....4775
Extra, dynamite (see dynamites) 4178
high, potential fuses..5158c
pliable wire rope.....16968
strong cast steel wire rope 16968a
Extract, archil.....4493
chippers 2461b
divi, divi.....4493a
dryers 4117b
evaporators 4444a
fustic 4493b
quercitron 4493c
shredders 2461b
Extraction thimbles 15525a
Extractor gaskets, metal.4493d
guards 5690
Extractors, barley.....4494
beeswax 4501
boil 4495
cork (see pullers, cork) 11711
cotter pin.....4497
curd, clothes wringing.4498
dyewood 4498a
garlic 4499
grease & oil.....4506
honey 4501
hydro 15211

Extractors, ingot 4502
lemon juice.....4503
mandrel 4504
meat juice.....4505
oil & grease.....4506
screw 4506a
stone 4507
tanning 4498a
tap 4508
tar 4509
thread 15154
weed (see hooks, weeding) 6403
Extracts, archil.....4493
bark 4510
dyewood 4511
hemlock 4512
hypernic 4512a
indigo 4512b
logwood 4513
myrobalan 4513a
quebracho 4514
sumac 4514a
tanning 4515
tobacco 10130
Extruded metal.....9669
Extruding presses.....11533a
Eye bar flats, steel.....14219
bars 568
benders, hand power.. 777
benders (hook & eye). 779
bending & eye bolt machines 8284
bolts 1073a
bolts (hook & eye)....1037
bolts (swing or eye)...1116
glass & spectacle fittings
frames & mountings..4515a
glasses (see lenses)....7384
goggles, shields (see eye protectors) 5525
nuts, weldless.....10224
protectors 5525
rods 12561
shades (see goggles & eye protectors).....5525
shields, lamp.....13519
testing, lanterns.....7226
Eyelet machines.....8285
punches 11996
sets 4516
setting machines, hook & eyelet.....8453
Eyelets, all metals.....4516a
carriage, etc.....4517
knob (see eyelets, carriage) 4517
shoe, etc.....4518
Eyers, pineapple.....4519
Eyes, artificial 4519a
brace (hook & eyes)...6409
brass & bright wire....4520
gate (hooks & eyes)...6412
lacing 4521
padlock 4521a
pole & shaft.....4522
screw 13176
shuttle 15376
steel 6410
tent (hooks & eyes)...6413
wire 6414
Fabric cutting machines.8167
electrically welded....4224
impregnators 6534
looms, tire.....15265a
roll protectors.....11699
sizing, glue.....15154a
testing machines, hosiery 9281
wire link, for spring beds 4523
wire reinforcement....16931
Fabricators, steel building (see steel structural work).....14268
Fabrics, aeroplane.....4522a
automobile top 2754
for printing 16468a
rubberized 4523a
tire 15636
upholstery 16239b
waterproof 4523b
Fabroil gears.....5410
pinions 5410
Face brick 1424
brick (see brick, brick machinery 8236
dryers, electric (see machinery, air drying)..7676a
Face grinders.....5651
grinders, heavy 5625d
lathes 7287
milling cutters.....3552
plate jaws 6813a
Facers spot 4523c
Facing arms.....4524
concrete 2980
concrete block, cement 2229
lathes 7287
machines, nut.....8658
machines, spoke.....9171
machines, three-way...8287
& boring machines....8288
Facings, clutch 2773b
foundry 4993
talc (see facings, fdry.)4993
Factory appraisers..... 206a
bells (see bells, church) 711
bins, steel..... 321
Factory brushes 1545
brooms 1511a
buildings, steel (see steel structural work) 14268
cars (see trucks, store, warehouse, etc)....16049
cheese machinery.....8014
deodorizers 3693a1
desks 3719a
enclosures, fences & gates 4524a
equipment, steel.....14220
equipment tire & rubber 15640a
fencing 4641
horns 6436a
shelf construction 13489a
signal whistles.....16884
spittoons, steel.....13937
starch machinery.....9192
stools, steel.....14363
supplies (see mill & factory supplies).....9755
tables, steel.....14666
tanks, steel 14807a
time checks.....2431
torches 15810
trucks 16049
trucks, steel.....16045
ventilating apparatus.16475
Faggot heating furnaces.5071
Faience, architectural.... 233
mantles 233
terra cotta 14964
Fair leaders 4524b
Fall line balls..... 456
Fallers, combs & circles.15073
False wire machines.....8192
Family cleavers.....2690
corn shredders.....13605
funnels 5037
ice machines.....8482
ladles 7129
measures 9649
scales 13029
scoops 13074
Fan belting (see belts, automobile) 755
blades, electric ceiling. 859a
blades, metal..... 860
blades, wood..... 861
blowers 939a
controllers, electric....3055
driving engines.....4366
engine regulators.....12324
handles 5837
heating systems 6065c
motor gears.....5379
motors, electric.....9971
pumps 11846
pumps, papermakers..11905
regulators, electric....12322
Fancy basket & box catches 2208
box trimmings.....15958
looms 15252
pattern sheets 13481
woods 17041a
Fanning mills.....9788
mills, sieves & screens.9789
Fans, acid.....4525
battery motor.....4526
ceiling, belted.....4527
ceiling, electric.....4528
centrifugal 4529
cinders 4529a
collecting 4529b
conveying 4529b
desk .....4530, 4531, 4532.
dust handling 4529c
electric disc, direct connected 4530
electric portable, alternating current.....4531
electric portable, direct current 4532
exhaust or ventilating.4533
fly 4534
forced draft 4533a
gyrating, electric.....4534a
mine ventilating.....4535
office .....4530, 4531, 4532.
power (see blower mfrs.) 935
propeller 4536
radiator 4537
rotary lead 4538a
roof, ventilating.....4538
steel plate.....4539
Fans, ventilating.....4533
ventilating, engine connected (see blower mfrs.) 935
ventilating, mine.....4535
water motor.....4541
Fare boxes.....1226
Farina 4542
Farm anvils..... 202
bells 711
boilers 1023
derricks 3699
engine gauges.....5281
fences 4636
gates 5222
implements 4542a
tool handles, ash.....5838
tractor bearings.....675ba
tractors 15852b
Farm trucks 16018
wagons 16566
wagons, electric.....16567
Farmers' grates & rests..5586
vises 16523
Farming machinery, tobacco 9327
Farriers' hammers.....5767
knives 6976
pritchels 11680
tongs (see tongs, blacksmiths') 15664
tools 15726
Farrowing houses, hog...6482
Fasteners, auto top.....4548
automobile curtain....4548
automobile top.....4548
bale tie.....4548
bedstead 4544
belt 725
blind 4545
bolt (see washers, lock) 16641
box 4546
bung barrel 1656a
button 4548
car door.....4547
carpet 4567
carriage curtain.....4548
carriage top.....4548
chain door.....4549
cloth 4550
clothes line.....4551
clothing 4552
collar 4560
concrete form.....4554
conductor pipe 4555
conduit 4556
corrugated steel.....4557
crate 4546
curtain, car, etc.....4558
curtain, carriage.....4548
glove 4552
guard rail.....4559
hame & collar.....4560
hatch 4560a
hood 4560b
hoop 4561
horse blanket.....6221
horse collar.....4560
ice box.....4562
kiln band & plate.....4563
metal lath.....4564
nut & bolt (see washers, lock).....16641
pail & tub.....4565
paper 4566
rug 4567
sash (see locks, sash).7557
sash chain 4567a
sash cord (see irons, sash cord).....6744
screen plate.....4568
scuttle 4569
sheet roofing.....4570
shutter 4545
slate 4571
snap 4572
stair carpet 4573
storm window (see hangers, storm sash & screen).....5911
table top.....4573a
tag (see wire tag)....16999
tub 4574
whip socket.....4575
window casement.....4576
Fat deodorizers 3693b
washing screens 13137
Fatty acid 30a
Faucet cans.....1843
filters 4736
re-seating machines....8289
tanks 14756
washers 16625
Faucets 4577
basin (see cocks basin)2300
beer 4578
bubbling (see fountains, drinking, sanitary)..4996
catsup bottling, etc...4580
cream separator (see cocks, cream separator) 2307
for steel barrels.....4588
liquor 4578
lock lever.....4581
milk can (see cocks, milk can).....2829
Faucets, molasses (see gates, molasses).....5226
oil can.....4582
self-closing .....4583 & 2850
self-measuring 4584
stoneware (see stoneware, chemical)....14360
tank wagon 4585
tea & coffee urn.....4586
wood 4587
& bungs, for steel barrels, etc.....4588
Fault finders, electric....4589
Feather curling knives...6977
drills, pneumatic (see pneumatic plug drillers) 11293
Feathered tin 15608a
zinc 17133
Feathers & plugs.....11243
Feed bag bottoms.....11744c
bags 387
boiler valves.....16284
carriers 1986
controllers, chemical..3052a
cookers 3141
corn 4590
cutters 3553
dairy 4591
dryers 4118
grinding mills.....9790
horse & mule.....4593
mangers 9542
mill 4594
mixed 4595
mixers 9867
packers (see packing machines) 8687
poultry 4596
power screws.....13217
pump, evaporator 11845b
screws 13196
tables 14650
tables, rolling mill....14657
trucks 16019
water controllers (see regulators, feed water) 12325
water filters.....4737
water governors (see regulators, feed water) 12325
water heaters.....6028
water heaters, open....6038e
water meters.....9717
water purifiers.....12027
water receivers 12216a
water regulators (see also governors, pump) 12325
water thermometers..15507
water weighers.....16734
wire insulators.....6666
Feeder cable coupling boxes, fused.....1234
clutch attachments...15154b
wire 16932
wire insulators, mine..6670
Feeders, aluminum, railway 4597
automatic self-weighing scale.....15155
bagasse 4598
boiler 4599
boiler oil.....4600
bottle 4601
clay .....2635 & 4602
coal dust (see burners, coal dust).....1669
cotton gin.....4603
fuel (see feeders, furnace) 4605
furnace 4605
hog 4606
metal 4606a
ore 4607
poultry 4607a
sugar cane carrier.....4608
tube mill 4609
& blowers, thresher...15544
& openers, wool washer 15302
Feeding machines, box nail 7860
machines, canners' viner 7959
machines, cattle.....7988
machines, paper.....8725
machines, pea.....8755
Feeds, calender.....3867
cloth 15156
or feeders.....15157
roll & dial.....4611
saw mill, steam.....12935
sight, for oiling devices 13632
steam 14188
steam car saw-mill....4612
Feldspar, miners' 4613
powdered 4613r
roofing 12735
Felling machines.....8290
Felloe machinery (see carriage builders' machinery) 7978
oilers 10255
Felloe plates 11088
Felloes, carriage & wagon wheel.....12423
Felt blankets..... 871
boiler coverings.....10986
boots 1152
building sheathing.....1644
cotton mattresses.....9630
gaskets 5204e
goods, mechanical ...4613b
hair 4620
hardening machinery..8291
machinery 15153
mills 4614
oilers 10256
pads 10488d
pipe coverings.....10986
rolls 12671
roofing 12726
shingles 13535
shipbuilders (see Felting Shipbuilders) 4615
shoes 1152

INDEX

INDEX

No.
Felt steel bound mats....9608
washers 16632
wheels 16777
wicks for electric motors, etc.....16844
Felting asbestos..... 249
looms 15253
machines, cotton.....15159
shipbuilders 4615
Felts, asphalt.....4616
automobile 4616a
cotton 4617
deadening 4618
elastic 4618a
eraser 4618b
filter 4618c
for electrical purposes.4619
furniture 4619a
hair 4620
hat 4621
insulating (see felts for electrical purposes)..4619
journal box.....4622
jute 4623
lamp base 4623a
laundry 4623b
mat 4623c
mechanical 4624
paper makers'.....4634
pennant 4625
piano & organ.....4626
polishing 4627
ring dust 4627a
roofing 4628
rubbing 4628a
saddlery 4629
shock absorber 4629a
shoe 4630
tarred saturated.....4631
upholstery 4632
wall paper, printing...4632a
weatherproof 4632b
weatherstrip 4632b
wool 4633
& jackets, paper makers' 4634
Fence anchors..... 160
board signs.....13669
chains 2325a
machines, wire.....3293
ornaments 12773
posts 11400b
ratchets 12160
splicers, wire.....13941
staple bar pullers.....11713
staples 14167
stays 14183
wire 16933
wire link 4634a
Fences, chain link.....4634b
combination wire and picket 4635
enclosure factory 4524a
factory enclosure 4524a
farm 4636
hog & cattle.....4636a
iron 6701
iron & steel picket.....4637
lawn 4637a
ornamental iron (see gates, ornamental iron) 5229
railroad 4638
wire 16934
wood picket wire bound 4639
woven wire.....4640
wrought iron.....4640a
Fencing factory 4641
foils 4917
gloves 5506
hot galvanized steel...4641
pliers 11164
Fender enamels 4305a
mirrors, automobile 9847
Fenders, boat.....4642
brass & iron.....4643
car 1919
grates & mantels..... 167
plow 4644
& grates..... 167
& guards, automobile..4645
Feralun metal.....9670
Ferri cyanide-potassium 11416e
Ferric alum 127c
chloride solutions.....13884
Ferries wire rope.....4645a
Ferro-alloys 4646
-aluminum 4647
-carbon titanium 4648a
-cerium 4648b
-chrome 4649
-chromium 2502
-cyanide potassium....11416f
-cyanide sodium.....13855e
-magnesium 4650
-manganese 4651
-molybdenum 4653
-nickel 4653a
-phosphorus 4654
-silicon 4655
-titanium 4656
-tungsten 4657
-uranium 4658
-vanadium 4659
-zirconium 4659a
Ferroinclave steel concrete fire-proofing....4782
Ferrous sulphate 4660
Ferrules, boiler flue.....4661
brass 4662
cane 4663
chisel 4663a
cleanout 4664
condenser 4665
condenser, hard fibre..4666
copper 4667
cutlery 4667a
drive 4667b
fibre 4666
file 4667c
handle 4667d
iron & steel.....4668
knife 4668a
lead .....4669 & 7346
screw driver 4669a
steel 4660
tin & sheet metal.....4670
tool handle.....4671a
trap screw.....4671
umbrella 4663a1
wire 4672
Ferry travelers.....15914
Fertilizer attachments... 285
conveyors 3109
distributors 3858
drills 4030
dryers 4119
grinders, fish 5623a
grinders, material for.5630
machinery 8294
materials 4673
mfrs. 4674
mixers 9868
presses 11534
sowers & drills.....13892
& grain drills, combined (see drills, grain) 4035
Fiberloid 2227
Fibre, asbestos..... 250
barrels 517a
baskets (see baskets, mill) 613
board presses.....11535
boards 972
bottles 1844
boxes 1227
broom 4675
brush 4676
brushes, vegetable.....1540
buckets (see pails, fibre) 10505
bushings (see fibre, hard) 4680
candelabra, sockets ..13823a
cans .....1844 & 1876
cars (see trucks, mill) 16029
checks 2431a
clad rope.....12756
cleaning machines.....8295
discs 3832
"D. H. Gray Egyptian" 4677
ferrules (see ferrules, condenser, hard fibre)4666
flexible 4677a
friction 4678
gears 5380
hard 4680
insulating 4681
jars 6809a
machinery 8296
machinery, hard fibre..8297
machinery, sulphite....9228
matting 9625
packing, flexible.....10454
packing vulcanized...10475
pails 10505
paper 10660
pipe 10939b
plastering 11045
pulleys 11736
rods, hard (see fibre, hard) 4680
rollers 12617
sample, suitcases & trunks 16061a
sheet 4682
sheets (see fibre, hard).4680
shipping cases.....2128
shoe horns.....13546
signs 13670
specialties 4682a
stamping 14122a
tanks, indurated.....14771
tile 15582
trays 15919f
Fibre truck wheels.....16778
trucks (see trucks, mill) 16029
trunk & suit case.....4683
tubes 4683a
valves 16305
vulcanized 4684
ware, indurated.....6590
washers 16633
wiring cleats.....2687
Fibrous gaskets.....5207
plaster 11039
Fids, hand.....4685
Field books.....1138
coil segment presses..11473
coil varnish (see varnishes, insulating)..16451
coil winding.....7694
coil winding forms....4990
coil winding machines.7694
Field coils 2854
glasses 5488
magnet spools.....13950
regulators, dynamo...12321
rheostats 12397
rollers 12621
Fifth wheels 16779
Fig boxes 1227a
Figured glass.....5448
rolled plate glass.....5469
Figures, aluminum.....7393
carved wood.....4687
harness 7394
lead 4688
pattern 7395
steel 7396
& alphabets, steel (see stencils) 14282
& numbers, aluminum 4688a
Filament, lamps, carbon.7162
metallized lamps.....7195
Filaments, incandescent lamp 4689
File boards..... 968
brushes (see cards, file)1962
cards 1962
cleaners (see cards, file).1962
cutting machinery 8298
ferrules 4667c
handles 5839
machinery 8298
mfrs. 4691
renewing 4690
room machinery.....8299
sharpeners 13386a
steel 14221
Filers, vises (see vises, saw) 16540
Files, aluminum.....4692
bill 4693
celluloid 4694
cigar lighter.....4698
circular 4695
coil 4695a
dental 4696
equalling (see file & rasp mfrs.).....4691
filing machine.....4697
gas lighter.....4698
horse tooth.....4699
magneto (see file & rasp mfrs.) 4691
manicure 4700
milling 4701
platinum point 4701a
roll 4702
rotary 4703
side 4704
side, for saws.....13620
side, side dressers for.13618
weeds special 4705
Filing cabinets, blue print & special.....1756
cabinets, transfer, steel.1756a
cabinets & devices.....4706
cabinets, letter (see cabinets & devices).4706
cases, storage 4706b
cases, transfer 4706b
envelopes 4425
equipment, steel (see filing cabinets & devices) 4706
jigs, key.....6820
machine files.....4697
machines 8301
machines, band saw...7721
machines, bench 8302
machines 8302
machines, gin saw.....8367
racks 12065
safes 12853
& setting machines, band saw.....7721
& setting machines, saw 9016
systems, visible 4706a
Filler, brake lining.....1354a
cements, iron & steel..2251
Fillers, asphalt.....4707
barrel 4708
cake 4709
can, tomato pulp measuring 4710
corn 8228
cement 4710a
dry battery.....4711
egg case.....4712
engineers' oil.....4713
frog, steel 4714
ice can.....4715
iron 4716
iron casting (see cements, iron & steel filler) 2251
machine 4717
milk bottle.....1161
oil 4713
paint 4718
paper & linoleum.....4719
papermakers' 2896
pea (see can filling machines) 7930
rope 4720
silo 4721
steel 4716
tire 15636a
trench back.....4721a
wood 4722
Fillet emery.....4722a
patternmakers' 4723
tools 15727
winders 15475
Filling, belt..... 726
apparatus, blast furnace, top..... 884
machines, bag.....7712
machines, bottle, automatic 7843
machines, can.....7930
machines, collapsible tube 8086
machines, liquid 8560
machines, molasses....8631
machines, syrup, canners' 9284
machines, tube.....9354
sheave & pulley, rubber 13457
station hose 6456a
stations, portable steel 11390a
Fillings, chemical tower.4724
Film, cans 1875
machines, moving picture 8638
reel hubs, picture....6491a
reels 12261a
Films, moving picture...4725
photographic 4725a
Filter alum 127d
bags 388
bags, all kinds.....4725b
cloth washing machines 8304
cloth, metal 2753a
cloth (wire cloth)....16918
cloths 2766
crucibles 3444
felts 4618c
mass 4725c
mass asbestos 4725c
mass washing machines 8285
paper 10661
press cocks.....2812
press plates.....11089
press pumps.....11847
press rings.....12447
presses 11536
presses, laboratory....11537
screens 13139
tanks 14757
Filtering carbon 1938d
joints 6835
discs 3832a
machinery clay.....8089
mass, asbestos 4725d
materials 4725e
sand 12895
sponges 13946a1
& purifying apparatus, water 16688
& purifying plants, installed 4726
Filters 4726a
acetylene gas 4727
air 4728
ale & beer.....4729
automatic 4729a
bag 4730
bone black 4731
carbon, for gas works.4732
char 2418
charcoal 4733
clarifying 4734
coffee 4747
concentrate 4735
cyanide (see filters, slime) 4746
dewatering 4735a
faucet 4736
feed water.....4737
gasoline 4738
gravity & pressure....4739
industrial 4739a
mash 4740
mechanical, sugar.....4741
oil 4742
oil from metal chips (see separators, centrifugal) 13292
oil refiners'.....4743
pulp 4743a
rain water.....4744
salt 4744a
sand 4745
slime 4746
suction 4746a
tea 4747
tripoli 4748
Filters, vacuum (see filters, slime).....4746
washing 4748a
waste oil (see filters, oil) 4742
water 4749
water, portable.....4750
water, small for faucets (see filters, faucet) 4736
Finders, center.....4752
range 12149
trouble 4753
Finding automobile trouble lamp.....7155
Findings ships 13542b
shoe 4753a

No.
Finger cots, rubber.....4754
nail buffers 1627a
nail clippers.....2700
Fingers, controller.....4755
Finials, iron.....3426
sheet metal.....3427
terra cotta (see roofing tile, terra cotta)...12746
Finish, floor 4883
hard oil 5914
interior, wholesale mfrs. 6685
material 6685
wall 16607
wire, liquor.....16948
Finished bolts 1078b
machine parts 7665
steel bars.....14203
Finishes wood (see hard oil finish) 5914
Finishing gills.....15190
gum 5719
machines, belt.....7748
machines, carpet.....15160
machines, cloth.....15161
machines for concrete roads 8305a
machines, knit goods.15162
machines, leather.....8535
machines, nut.....8659
machines, tape.....15163
machines, wool.....15164
machines, worsted....15164
nails 10091
salt 12873
tools, concrete.....15715
tools, gutter & step...15728
trowels, concrete.....15988
& sanding machines, curtain pole.....8165
& straightening machines, roll.....8949
Fir lumber 7653a
Fire alarm signal boxes 1228
alarms, manual thermostatic & automatic systems 103
bell ringers 12426
bells 711
boat hydrants.....6504
boat nozzles.....10172
boat water towers....16691
box plate, steel.....14223
box sheets, copper.....3176
brick 1425
brick dust, cement 1421a
brick machinery.....8286
buckets 1595
clay 4758
clay dust 4170a
clay laundry tubs, glazed 7320
clay paving blocks...10773
clay saggers 12863b
clay stove pipe.....10939b
clay tile 15583a
coating automobile.....2787
controllers, automatic..3061
department guns 5729a
department supplies...4758a
detectors (see alarms, fire) 103
door fittings, automatic4759
door hangers.....3894
door hardware.....5928
door latches.....7235
doors
automatic 3909a
composite sliding & swinging 3928
counterbalanced steel3932
counterbalanced tin-clad 3932b
drop 3920
hollow metal, swinging 3929
kalameined 3929a
locomotive 3940
metal clad panelled, swinging 3930
rolling, steel 3932a
sheet metal, sliding & swinging 3931
sliding, composite....3928
sliding, sheet metal..3931
sliding, tin clad.....3932c
steel, counterbalanced 3932
steel, rolling 3932a
swinging, composite..3928
swinging, hollow metal3929
swinging, metal clad, panelled 3930
swinging, sheet metal 3931
swinging, tin clad...3932c
tin clad 3932
tin clad, counterbalanced 3932b
tin clad, sliding & swinging 3932c
engine boilers.....1024
engines, chemical.....4760
engines, hand.....4762
engines, motor.....4763
escapes 4765
escapes, automatic.....4766
escapes, chute.....4767
Fire escapes, counter balance 4768
escapes, paint (see paints for coating & preserving iron & steel) 10548
escapes, portable.....4769
escapes, rope.....4770
escapes, spiral.....4771
escapes, stairway.....4772
extinguisher charges (see recharges for fire extinguishers)..12226b
extinguishers, chemical (see fire extinguishers, chemical) 4773
extinguisher tanks....14758
extinguishers 4773
extinguishers, steam...4774
extinguishing systems, marine 4775
flashed brick.....1426
hose 6457
hose looms.....15254
hose machinery.....8306
hose reels & racks....12278
hose shut-off 4776
hydrant chains.....2326
hydrants 6503
hydrants, crane attachments 6505
kindler, locomotive.....7574
ladders 7114
pail hooks.....6335
pail tanks.....14759
pails (see buckets, fire) 1595
patrol wagons.....16586
place dampers.....3662
place furnishings mfrs.4777
place goods, brass.....1378
place heaters.....6029
place ventilating grates 5585
pots 11429
-proof book stacks (see library shelving, etc., metallic) 7407
-proof columns.....2901
-proof constructors.....4778
proof doors, kalameined 3929a
-proof doors & partitions 4778a
-proof doors, steel-rolling (see shutters, steel rolling).....13616
-proof floors 4393b
-proof floors & partitions 4779
-proof garages 5183a
-proof hollow tile.....4780
-proof metal doors....3930
-proof nailing courses.10641a
-proof paints 10545
-proof partitions, 10744b, 4778a & 4779
-proof porous brick & tile mfrs. (see fireproofing, porous terra cotta) 4784
-proof safes 12854
-proof sash locks.....7558
-proof shutters 3959
proof shutters, steel rolling (see shutters, steel rolling).....13616
-proof stairs.....14109
-proof theatre doors...3953
proof wardrobes, steel 16614
-proof windows (see window frame & sash, metallic).....16867
-proof windows, wire glass 16884
-proof woodwork (see fire-proofing of wood) 4783
-proofing, asbestos (see asbestos material)... 254
-proofing cellular metal 9666
-proofing compounds...2937
-proofing, Ferroinclave steel concrete.....4782
-proofing liquid 4783a
-proofing machinery...8307
-proofing, mineral wool (see mineral wool)...9839
-proofing of wood.....4783
-proofing, porous terra cotta 4784
Fire-proofing tile.....15584
protection pumps.....11850
pump starters.....14176
pumps 11848
pumps, hand.....11849
resisting cements.....2248
resisting paints.....10546
retardant glass (see glass, wire glass) .5482
sand 4785
sets, brass & iron (see fire-place furnishings) 4777
shovels 13587
shutter hinges.....6102
shutters, automatic...13614
signal horns.....6486b
signal whistles.....16884
Fire sprinklers, automatic 14044
tongs, pick-up.....15681
trumpets 16056
wagons, asphalt 16555
welded chains 2326a
& flame controllers, automatic 3061
Firearms, pistol 10999b
Fired boilers, internally..1027c
Fireless cookers.....3142
Firemen's axes..... 350
ladders & trucks.....7125
truck picks.....10852
Fireworks 4786
chemicals 2440
paper 10662
plugs 11216a
powder 4787
Firing tools.....15729
Firm joint calipers.....1803
First aid kits.....6915b
aid room equipment..4787a
Fish canners (see canned goods) 1829
cookers 3142
dressing machines.....8308
fertilizer grinders 5623a
flakes 4788
globes, glass (see aquariums, glass)..... 217
glue 5514
hooks 6336
landing nets.....10119
line machinery.....8309
line mfrs.....4789
line sinkers.....13707
net chains.....2327
net hoops.....6419
nets & seines.....4790
oil presses.....11538
oil pressings 11668a
oils 10301b
paper 10662a
plate springs (see lock-nuts & washers).....7515
plates, steel (see braces, rail) 1316
scalers 13010
scrap dryers 4119a
screens 13140
spears 13902
stringers 14484
tongs 15674
wire 16935
Fishing, anchors 160a
bait 420
floats (see fishing tackle mfrs.).....4791
net machinery.....8310
poles 11364
reels 12262
rod handles.....5839a
rods 12562
tackle boxes.....1229
tackle cases 2115
tackle mfrs.....4791
tools, oil well.....15722
Fitting saw machinery..9017
table & forming roll, combined 4984
Fittings, acid metal.....4792
air brake.....4793
ammonia 4794
automatic fire door....4759
automobile 328
awning frame.....4795
bakers' oven.....4796
bath supply & waste...4797
boiler 4797a
brass pipe.....4798
brass pipe railing.....4799
brass railing.....4815a
brine 4799a
bronze 4800
car .....1917 & 1928
car door.....1917
car heater 4801
car seat.....1928
cast iron, for gas & water mains.....4802
cast iron (soil pipe & fittings) 2140
cast iron pipe (see fittings, pipe).....4816
cast steel.....4803
conduit 4804
cross over 4805
derrick 3696
Fittings, desk.....3716
drainage 4806
electric porcelain (see porcelain specialties) 11387
electrical 4807
electrical, stamped.....4222
oil 4808
eye glass & spectacle..4515a
fire door, automatic....4759
flanged 4809
forged steel 4809a
furnace 5042
gas fixture.....4810
gas line.....4811
gaskets for.....5205a
green house.....4812
hard rubber 4812a
high pressure (see fittings, hydraulic)....4813
Fittings, hydraulic 4813
iron railing.....4814
"Kewanee" 4814a
lavatory 7326
lead lined.....4815
lead pipe.....7342
library, metallic.....7407
malleable railing 4815a
pile driver.....10870
pipe 4816
pipe, brass.....4798
pump 4817
push button.....4818
railing (brass pipe railing) 4799
railing (iron railing)..6701
railing, malleable, & brass 4815a
semi-steel 4819
soil pipe.....2140
sprinkler 4819a
switchboard pipe.....4820
tight joint.....4821
union (see fittings, pipe) 4816
vent 4822
wire rope ...4822a & 16963a1
Y 4823
Fixe, blanc..... 868
Fixture, cellar window.4824a1
clusters 2772
clusters, wireless.....2773
designers, special.....3715a
hangers 5895a
insulating joints 6836
laboratory 4828a
taps, gas.....14854
wire (see wire insulated) 16945
work, die & jig.....3742
wrenches 17078
Fixtures, acetylene gas..5192
awning 341
awning, blind..... 342
bank 505
bank, office & store....4824
bank, metallic..... 505
bath room..... 630
bronze 4824a
car curtain.....12644
car door (see car doors & fittings).....1917
car window.....1933
cellar window 4824a1
clamp 4824b
display, window 16866
drilling & milling.....6821
drug store (see store furniture & fixtures)....14387
electric adjustable wall & ceiling 4825
electric lamp.....6300
electric light.....4220
flag pole.....4826
gas, acetylene 5192
gas light 4220
gas, wrought iron....5193
grindstone 5663
hardware display.....4827
hay rack 4828
industrial lighting.....7435c
laboratory 4828a
lighting, bronze & benedict nickel 7435b
liquid soap.....4829
office 4824
office, metallic..... 505
outlet, coal chute.....4830
restaurant (see store furniture & fixtures) 14387
revolving 4831
silo 4831
stable 14084
store 14387
street lighting.....4832
street series electric lamp 4834
switch 14610
tank 14723
trunk 16057a
tungsten lamp.....4835
tungstolier 4836
wall, sectional interchangeable 4836a
wax 16866
window display 16866
window shade.....16877
Flag mfrs.....4837
pole balls..... 457
pole brackets.....1331
Flag pole fixtures.....4826
pole holders (see brackets flag pole)..1331
pole sockets 13834
poles, iron & steel....11365
poles, wood.....11366
spears 13902a
staffs 4837a
stands 4837b
Flagging slate 4837c
Flags, railway signal, etc. 4838
Flagstick, tips 15624a
Flake, aluminum..... 131
Flakes, fish 4788
naphthalene 4838a
soap 13806b

INDEX

INDEX

No.
Flaking machines 8313a
rolls 12672
Flame controllers, automatic 3061
Flange couplings 3295
couplings, lead.....3305
joints, packing 10452c
oilers locomotive.....10262
pipe, flexible joint....10940
punches 11997
thickness gauges 5282
wrenches 17073
Flanged boiler flue holes & manholes.....1006
boiler heads.....1008
boiler nozzles, forged steel 10173
fittings 4809
forgings, pipe.....4956a
heads 5997
pipe, flexible joint....10940
pipe for high pressure.10941
pulleys 11737
unions 16230
Flangers, snow.....4839
Flanges, bibb.....4840
blind pipe 4840a
boiler, forged steel....4841
boiler, manhole.....4841a
brass 4842
cast & malleable iron.4843
companion 4844
floor, closet connection.4845
floor & ceiling.....4846
fluehole 4846a
gaskets for.....5205a
hub 4847
pipe 4848
pipe, forged steel.....4849
pipe, pressed steel.....4850
pipe, rolled steel.....4851
pump 4852
railing 4853
roof 4854
safety, emery wheel....4855
saw, shingle 4855a
steel welded 4855b
tank 4855c
welded 4856
wheel 4857
Flanging clamps.....2578
furnaces 5071a
machine & shear combined 9083
machines 8311
presses 11539
presses, hydraulic.....11569
& beading machines, can 7922
& circle machines.....8034
& expanding machinery, pipe.....8793
& shearing machines, combined 9083
Flannels, cotton.....4858
woolen 4859
Flap valves.....16307
Flare lights.....4860
Flared tubing unions...16230
Flash evaporators.....4444a
Flashers, electric sign...4861
Flashings, roof.....4862
Flashlight batteries 650b
cases 2115b
evaporators 4444b
lenses 7385c
tubes 16071
Flashlights, electric lamp & lantern.....4863
Flask caps.....1891
clamps 2579
guides 5712a
stock lumber.....7656
stock, wood.....4864
stripping machines....8312
Flasks, molders'.....4865
steel foundry.....4865a
Flat cars.....2026
drills 4031
enamels 4309
friction hoists.....6192
irons (see sad irons)..12843
link chains 2327a
revolving cards.....15049
ribbed cuff machines..15097
spring keys.....6891
springs 14016
springs, brass 13998b
tempered wire 16936
wall paints.....10547
wire rope 16968b
wood separators (see separators, centrifugal) 13292
& curved plates.....11090
Flats, eye bar, steel....14219
Flattening machines, tobacco stem.....9324
mills, wire.....9833
Flattering powders.....11461
stone 14341
Flatters 4866
Flavine 4866a
Flax 4867
attachments for binders 286
brakes (see tow mill machinery) 9343
machinery 15165

No.
Flax packing 10452
separators 8313
tow picks.....10853
twine 16195
Flaxseed 4868
cleaners 2659
cleaning machines.....8313
testers 14978
Fleecing machines (see napping machines)..15295
Flesh forks.....4967
Fleshers, tanner's.....4870
Fleshing & slating machines, leather.....8536
Flexible back band saws 12930
back hack saw blades.12930
cords 3199
couplings 3296
cushion couplings.....3297
fabric tubing.....16100
fibre 4677a
fibre gaskets.....5205
fibre packing.....10454
joint flange pipe.....10940
joints 6837
lamp cords.....3199
metallic conduits.....3017
metallic hose.....6458
metallic tubing.....16101
moving picture cable.10862
partitions 10749
pipe cleaning augers... 310
shaft drills.....4032
shaft, electric.....
shaft machinery.....9073a
shaft screw drivers...13170
shafts 13369
steel armored hose....6459
threaded seamless refill tubes.....16071
tubes (see tubing, flexible, metallic).....16101
tubing, fabric.....16100
tubing machinery, metallic 9358a
tubing, metallic.....16101
Flight conveyors.....3110
Flights, conveyor.....4871
Flint 4872
cloth (see paper, flint) 10663
grinding machines (see mills, ball & pebble).9761
lining 4873
machines 8314
paper 10663
pebbles 4873
Flippers, cant, steam....1883
Float cocks.....2813
switches, electric.....14584
valves 16308
valves, balanced 16274a
Floating cranes 3359a
derricks 3700
reamers, adjustable...12181
roofs 12753a
steel dry docks.....4107
Floats, car & grain.....4874
carburetor 4875
copper 4877
crockery 4878
fishing (see fishing tackle mfrs.).....4791
glass 4879
life (see boats & rafts, life) 997
plasterers' plain cork..4880
seine 4880a
telltale (see alarms, tank) 107
wooden 4881
Flock cutters.....15104
Flocks, cotton 4881a
wool 4881a
Flood gates (see gates, sluice) 5234
Floodlight projectors...11683b
Floor brooms 1503
brushes, dustless 1539
cement tile.....15575
chisels 2469
clips 2708
coverings 4882
cloth machinery.....8558
deadening (see felts, deadening) 4618
drains 3984
dressing (see floor oils, dust absorbing) 4884
finish 4883
flanges 4846
flanges, closet connection 4845
grinders 5624
hardeners 5015a
Floor hinges.....6103
hooks 6337
hoppers 6423a
mosaics 9943
oilers 10257
oils 10302
oils, dust absorbing....4884
outlet boxes.....1242
paints, concrete 10547a
pivots 11012
plate, glass.....5449
plates (floor & ceiling) 11092

No.
Floor plates, iron & steel 11091
plates, wrought steel (see plates, floor, iron & steel).....11091
polish 11378
polish, hard wax.....4885
polishing brushes.....1541
polishing machines....8315
polishing machines, mosaic & tile.....8636
scrapers 13108
scraping machines.....8316
scrubbers 13240
scrubbing machines....8317
stains 14094d
stands for valves.....4886
strainers 14427
surfacing machines....8318
sweeping brushes.....1542
thimbles 15526
tile 15585
tile, cement.....15575
tile, encaustic.....15582
tile, mosaic ceramic..15576
tile, non-absorbent....15592
tile, slate.....13739
tile, vitreous.....15598
treads, electric bell....4887
treads, push button...15930
varnish, Parker 10744a
varnishes (see floor finish) 4883
waxing brushes.....1541
& ceiling plates.....11092
Flooring car 4888
clamps 2580
composition (see flooring, sanitary).....4892
hardwood 4889
interlocking wood (see flooring, wood block).4893
machines, rift.....8916
machines, wood.....9464
maple 4890
oak 4891
rubber tile 4891a
sanitary 4892
sheet rubber 4892a
terrazzo 14967
wood block.....4893
Floors, asphalt (see contractors, asphalt paving) 3043
concrete 2985
cork, brick & tile.....4893a
fireproof .....4393b & 4779
iron 4893c
iron slat, for smoke houses 4894
malt kiln 4895
mosaic wood (see floors, parquet).....4896
parquet 4896
perforated steel 4896a
sanitary (see flooring, sanitary) 4892
stable or stall. 14085
wood (see floors, parquet) 4896
Florists' labels.....7087
wire 16937
& nurserymen's labels 7087
Floss, silk (see kapok).6856
Flotation machines 8318a
oils 10302a
Flour bags..... 389
bins 818c
blending machinery....8319
buckwheat 4897
carbon 4898
conveyors (see conveyors, grain elevator)..3112
core 4899
core substitute 3205a
dresses 3998
elevators 3113
fossil 4991
foundry 4899
lime 7450
machinery, potato (see flour mill machinery)8320
marble (see marble dust) 9567
mill aspirators..... 267
mill bolters 1049
mill builders.....4900
mill machinery.....8320
mill packers 10442b
mills 4901
mixers 9869
packers (see packing machines) 8687
potato 11418a
purifiers 12028
Flour rye 4902
sacks, paper (see bags, paper) 405
sieves 13624
sifters 13628
sifting & mixing machines 8321
substitute, foundry....4993a
sulphur 14526
tapioca 4903
wheat 4904
wood 17028

No.
Flow meters.....9718
sight indicators.....6575
Flower bed guards.....5690a
bed guards, wire.....16938
holders 6249
pot brackets.....1332
pot chains.....2328
pot machinery.....8322
pots 11430
sprinklers (see pots, watering) 11447
& plant tubs.....16130
Flowers sulphur 14526a
Flue balls..... 468
beaders 659
blowers, boiler.....2646
brushes 1544a
cleaners (boiler flue)..2646
cleaners, power boiler..2650
cleaning machinery (see cleaners, boiler flue or tube, steam or power) 2650
cutters 3554
dampers 3663
gas temperature recorders 12233
holes, boiler, flanged...1006
iron (see iron & steel skelp) 6717
linings 7469
rattlers 12168
recuperator, tile.....15594
rollers (see expanders, tube) 4481
rollers, pneumatic....11279
scrapers 2648
shearing punches.....11998
stops 14378
welders, pneumatic...11280
welding furnaces.....5072
welding machines.....8324
Flue hole flange 4846a
Flues, smoke.....4906
Fluid scales (see scales, liquid & oil weighing) 13037
tire 15637
Flumes, iron.....4907
wood 4908
Fluoride aluminum..... 132
ammonium 152c
barium 514a
calcium 1799a
chromium 2501b
sodium 13855f
Fluoroscopes, X-ray....17113
Fluorspar 4909
radio 4909a
Fluosilicate magnesium..9509a
Flush bolts 1078c
pipes 10990
plugs 11217
push button switches.14585
receptacles 12223
rings 12448
switch plates 11092a
switches, rotary.....14602
tank regulators.....12327
tank syphons.....14628
tanks 14760
& supply pipe straps.14455
Flushers, automatic sewage 4910
Flushing machines, street 9219
valves 16309
valves closet (see valves, flushing)....16309
valves, sewer.....16388
Fluted reamers, spiral..12208a
rolls 15351
Fluting feed rod planing machines 8805
scissors 13066
& plaiting machines..15322
Flux, blast furnace.....4911
brazing & welding.....4913
foundry 4914
soldering 13874
tinning 4914a
Fluxing stone.....14342
Fly catchers.....2204
fans 4534
inserting machines.....8328
killer (handles).....5839b
killers (poison).....6900
killers (swatters).....6901
nets 4915
paper 10664
traps 15895
wheel balancing machinery, motor.....8637
wheel bands 493a
wheels, rope pulley...16782
Flyers 15166
& pressers.....15324
Fodder cutters.....3555
unloaders 16234
yarn 17115
Fog bells..... 716
horns 6437
signal whistles.....16834
Foil, aluminum.....4916
copper 3175
machinery, tin.....9310
platinum 11153
tin 15609

No.
Foils, fencing.....4917
& scrapers, flat.....4917a
Folding barrows, steel frame 548
bath tubs..... 633
benches, wash 775
blinds, inside..... 895
boats 992
box machinery.....8329
boxwood rules.....12815
chairs 2395
clothes racks.....12066
cots 3244
derricks 3701
door hangers.....3896
doors 2933
elevator seats.....13264
gates 5224
gates & guards, elevator 4241
lavatories 7324
litters, (see stretchers, hospital) 14480
machines, belt.....7749
machines, box.....8329
machines, can top.....7948
machines, circular.....8035
machines, cloth 15167
machines, collar.....8087
machines, letter (see circular folding machines) 8035
machines, paper.....8726
machines, shoe vamp edge 9107
machines, web.....15468
paper boxes.....1230
paper cartons.....2084
partitions 10744c
roof ladders.....7115
rules 12814
scaffold brackets.....1333
screw drivers.....13171
seats 13265
stools 14362
tables 14646
tripods, portable.....15969
umbrellas 16224a
& cutting machines, band 15003
& cutting machines, rib 15343
& cutting machines, underwear 15168
& gluing machines, paper box 8709
& measuring machines 15169
& seaming presses...11540
Follower plates.....11093
Food choppers.....2493
colors 2890f
colors, certified 4917a
cutters (see choppers, meat & food).....2493
mixers, poultry.....9883
Foods, animal & poultry.4918
cereal, prepared, etc..4919
Foot action valves for drinking fountain..16311
ball guards, nose.....5701
balls 458
bolts 1078d
guards 5691
power blacksmiths' hammers 5750
power grinders.....5625
power hammers.....5768
power lathes.....7267
power planing machines 8809
power sawing machines 8330
power treadles.....15928
power wood working machinery 9486
presses 11541
rail brackets.....1334
rails 12124
rests for automobiles..4920
rests, radiator.....4921
rests, shoe blacking...4922
scrapers 13109
valves 16310
vises, blacksmiths'....16524
warmers, automobile (see heaters, automobile & carriage).....5018
warmers, electric.....4923
warmers, soapstone..4923a1
wear materials, novelty 10166b
Force cup handles.....5840
cups, rubber.....3497
pumps 11854
pumps, gas main.....11862
pumps, horizontal 11853
pumps, plumbers'.....11911
Force pumps, railroad..11921
pumps, underground..11958
rubber cups.....3497
Forced draft apparatus..4923a
draft cooling towers..15833
draft fans 4533a
Forceps, pig.....10864
Forcing jacks, pipe.....6782
machines, coupling & pulley 8146
presses 11543
Forced presses, hydraulic 11570
presses, power 11609
Ford automobile accessories 320a
Foreign colored marble..9564
Forge blowers..... 940
chimneys 2453
cranes 3360
furnaces, revolving.....5113
hoods 6295
racks, portable.....12083
Forged bolts.....1079
drop wrenches.....17070
gears, solid.....5398
nuts 10205
rings (see rings, steel)12478
seamless steel couplings 3298
steel, fittings 4809a
steel unions 16231a
steel boiler flanges....4841
steel flanged boiler nozzles 10173
steel pipe flanges.....4849
steel rolls.....12673
steel shafting, heavy.13362
Forges, blast.....4924
brazing (see furnaces, brazing) 5054
for brazing irons.....4925
for drop forging plants.4926
for railroad shops.....4932a
gas blast.....4927
hammer 4927a
heating 4928
manual training.....4929
oil, portable.....4930
pneumatic 4931
portable 4932
rivet heating.....4933
tuyere iron (see heaters, tuyere iron).....6052
upsetting 4933a1
Forging billets..... 805
furnace brick.....1427
furnaces 5073
hammers, pneumatic..11281
heading & upsetting machines, combined..8433
lathes 7264
machines 8331
machines, bolt.....7786
machines, drop.....8251.
machines, hydraulic (see presses, hydraulic forgings).....11571
machines, pickeye.....8772
machines, pneumatic. 11281
presses 11530
presses, hydraulic (see also forging machines) 11571
presses, pickeye.....11603
presses, steam hydraulic 11544
& tapering rolls.....12674
& upsetting machines..9366
Forgings, aeroplane cylinder 4933a
alloy steel.....4934
aluminum 4935
arbors 4958b
automatic coupler.....4936
automobile 4937
brass 1378a
bronze 4938
car 4938a
carriage 4939
cold 4940
copper 4941
die 4942
disc 4943
drop 4944
electric (see welding electric) 16744
electric railway.....4945
electrically welded ...4946
flour mill 4946a
gas engine.....4947
hollow 4949
hydraulic 4950
iron & steel.....4951
liquid compound.....4952
locomotive 4952a
machinery 4952b
machinery, upset 4952c
manganese bronze 4953
manganese steel.....4954
marine 4954a
monel metal.....4955
nickel steel.....4956
pipe, flanged.....4956a
press 4957
seamless steel.....4958
ship 4958a
spindles & arbors.....4958b
steel 4951
switch rope.....4959
Forgings, telegraph & telephone pole.....4960
tobin bronze 4959a
tractor 4960a1
vanadium steel.....4961
wagon 4939
Fork handles, ash.....5838
tractors 15852c
Forks, alfalfa.....4962
alumium 7063
Forks, ballast 4963
coal 4963
coke 4963
corn 4965
flesh 4967
garden 4968
hand 4969
hay, derrick 4970
hay, grapple & harpoon 4971
hay, lock lever.....4972
kitchen, wire.....4981
loom 15233
meat 4974
rail 4975
rising 4976
span wire (see forks, rising) 4976
stable, wood.....4977
stone 4963
tedder 4973
tinned 7064
trolley (see harps, trolley) 5943
vegetable 4972
wire, kitchen.....4981
wood 4982
Form cutter grinding machines 8396a
milling machines.....8593
Formaldehyde 4983
stills 14515b
Formate nickel 10125a
sodium 13855f1
Formed milling cutters..3586
Former, conduit elbow..3014
Formic acid..... 31
Formica gears 5381a
Forming dies (see dies, stamping) 3799
lathes 7269
machines, can body....7923
machines, eave trough. 8256.
machines, gutter.....8411
machines, hydraulic....8334
machines, pan.....8696
machines, paper box....8710
machines, paper rule..8733
machines, ring., automatic 8918
machines, sheet metal..9087
machines, sheet metal pipe (see eave trough machines, combination forming & bending) 8256
machines, slip roll.....9133
machines, wire.....9427
presses 11545
presses, doll 11528a
presses, steel 11642
roll & fitting table combined 4984
wire 16938b
& beading machines, eave trough.....8256
& bending machines...8335
& curving machines...8336
Formogene 4985
Forms, automobile, sheet metal (see stamping, automobile) 14120
balloon 4985a
barrel setting-up.....4986
concrete 2986
concrete construction..4986a
culvert .....2936 & 2272
curb & sidewalk.....4987
dress 4987a
sewer 4987b
sheet metal, for foundries 4988
steel concrete construction 14223a
stocking 4989a
winding, armature & field coil.....4990
wire 4990a
Fortis, aqua (see acid, nitric) 40
Foss & pevey cards.....15046
Fossil flour.....4991
Foundation bolts.....1080
borings 1157a
Foundations 4992
bridge 1471
caisson 1792
Founders, bell..... 705
brass 9502
bronze, architectural...1490
iron 9502
malleable iron.....2174
& machinists.....9502
Founders' shoes 13559
Foundry barrows..... 549
blow guns..... 933
boxes, steel.....1231
brick 1428
brushes 1545
cars 2027
chaplets 2416
chisels (see chisels, cold & cape) 2467
cranes 3360a
cupolas 3488
dust arresters.....4168
elevators 4269
facings 4993
Foundry flasks, steel....4865a
flour 4899
flour substitute.....4993a
flux 4914
grinding pans 10597a
ladles 7130
machinery 8337
molasses 9894
molding machines.....8632
nails 10059
pails 10506
plant equipments.....4994
rammers 12146
rammers, pneumatic..11304
rattlers 12169
riddles 12407
sand 12900
sand handling 4994a
sand mixers.....9002
scales (see scales, beam) 13014
screens 13142
supplies 4993
trucks 16021
ventilators 16485a
vibrators 16502
wedges 16722
Fountain blades 861a
pen clips 2709
pen mfrs.....4995
Fountains, drinking, sanitary 4996
poultry 4997
soda water.....4998
stock 4999
vases, etc.....5000
Founts, chicken.....4997
lamp 5001
Four column hydraulic presses 11572
cylinder gasoline road rollers 12618
groove chucking reamers 12190b
groove twist drills 4073a
cylinder stock cleaners 15422
way cocks.....2814
Fourdrinier tissue paper 10666
& cylinder paper machines 8338
wire 16938c
14K. gold, white.....5525b
Fox monitor lathes (see lathes, brass finishers) 7259
shreading machines....8338a
Fractionating stills 14315c
Frame backs, picture..... 370
locomotive welding-hammers 5774
quilt clamps.....2605
Framed metal bulletin signs 13670a
Frames, automobile, pressed steel.....5002
bag 11327
beehive & honey.....5002a
blue 957
blue print..... 954
camp chair & stool....5003
card drawer.....5004
clothes drying.....2757
cotton drawing.....15170
cotton evener drawing.15171
cotton fly.....15172
crusher 5005
door, hollow metal.....5005a
drawing, french worsted 15485a
eyeglass & spectacle...4515a
galvanizing & tinning.5006
grindstone 5662a
hack saw.....12932
hand lacing.....15173
harness 15174
head 5007
heddle 15175
intermediate 15176
jack 15177
locomotive 5009
menu card 5010
mirror, brass.....5011
numeral 5011a
open-hearth furnace door 5012
picture 10862a
pocket book.....11327
quilting 15177a
re-drawing 15178
ring spinning.....15179
roving 15180
saw 12933
sheave 13458
side, car truck.....1931
sink 5013
slubbing 15181
soapmakers' 5014
soldering, tin can 5017
spectacle 5014a
spinning 15182
suit case.....5015
sun 14531a
take-up, wire 5014b
tractor 5014c
traveling bag.....5015

INDEX

INDEX

No.

Frames, twisting (see twisters, various kinds)
window, reversible....16869
wire, rod 5016
wood saw 5017
wool spinning.....15183
worsted spinning (see frames, spinning) ..15182
Framing machines, mine, timber 8615
machines, timber.....9306
squares 14070
tools 15730
Franklin stoves.....14411
Fraying machines, carpet.8339
Free cutting rods.....12563
Freezers, brine, ice cream 5018
ice cream, etc.....5019
Freezing tanks.....14747
Freight car doors, ventilated 3933a
car ladders 7116
car paints.....10549
cars 2028
conveyors 3111
elevators 4270
house doors 3933a
wagons 16568
& roundhouse doors....3933b
French chalk pencils...10796
cooking ranges (see cooking apparatus)..3147
worsted drawing frames
Frequency changers 5019a
converters 3079
indicator & voltmeter combined 16546
meters 9719
Fresco colors.....2891
Fresh air inlets.....6620
water distilling evaporators 4445
Fresnal globes for steamships 5502
lenses (see lenses, semaphore, ship & signal lantern) 7385g
Fret work for the trade only 5604
& lattice grille work, wood 5603
Friction boards..... 973
brakes, magnetic.....1370
clutch couplings 3299
clutch gears.....5382
clutch pulleys.....11738
clutches 2777
clutches, heavy mill...2778
cones (see pulleys, cone) 11734
couplings 3298a
disc drills.....4033
discs 3833
draft springs 14017
drive locomotives 7589
fibre 4678
hinges 6104
hoists 6192
ignition rolls.....12678
loom chains.....2351
presses, dial feed.....11546
pulley clutches 2778a
surfaces, asbestos.....5019a
surfaces, cork insert...5020
tape 14830
top cans 1844b
washers 16634
Frictions, leather.....5021
loom, cork insert.....15234
paper 5022
Friezes, sheet metal.....13468
Fringes, silk upholstery, etc. 5023
Froes, coopers'.....5024
Frog brooms (see brooms & brushes, track)...1513
drilling machines.....8224
fillers, steel.....4714
planing machines 8807
Frogs, cast iron.....5025
manganese 5025a
overhead trolley.....5026
replacing (see replacers, car).....12367
spring rail.....5027
switches & crossings...5028
& switches, safety....14617
wrecking (see replacers, car).....12367
Front brick (see brick face) 1424
shelving, sectional glass 13509
Fronts, boiler.....1007
muffle furnace.....10027
stone boat.....5029
store 14383
store, brass & bronze.14384
store, cast iron (see iron arch'l).....6690
store, galvanized iron.14385
Fronts, store, glass.....14386
vaults 5029a
Frosting compounds, lamp (see coloring, incandescent lamp)..2887
Froth, anti-oils.....10280

No.

Frows, coopers' (see froes, coopers').....5024
Frozen pulp reduction shredders 13607
Frue vanners.....16433
Fruit baskets (see packages, fruit & vegetable) 10442
can headers 5978
can machinery.....8340
can racks.....12067a
can testing machines..9279
cannery cookers 3144
cans, tin.....1877
cookers 3144
corers 3210
evaporators 4446
grading & packing machinery 8341
jar caps 1896
jar openers (see wrenches, fruit jar) 17075
jar rubbers.....12798
jar wrenches.....17075
jars 6810
knives 6978
nippers 10136
package stapling machines 9442
packages 10442
parers 10742
pickers 10846
pickers' ladders.....7117
presses 11547
slicers 13771
strainers 14428
wagons 16569
washing machines.....9393
washing & scalding machines, canners'.....7958
& merchandise wrapping machines.....9493
& vegetable dryers....4120a
& vegetable pulp rubbing machines.....8342
Frumentum 5030
Fry pans.....10598
Frying baskets..... 609
Fuchsine, crystals 3468a
Fuel briquetting machinery (see briquetting machines 7885
economizers 5031
feeders (see feeders, furnace) 4605
gas burners.....1672
gas meters.....9720
gas regulators.....12328
level indicators.....6556
machinery, peat.....8761
oil atomizers 271a
oil burners.....1673
oil burners for steam heating boilers.....1673a
oil burning appliances.5033
oil burning furnaces...5074
oil compressors 2959b
oil heaters.....5030
oil pumping systems...5032
oil pumps.....11855
oil regulators.....12328
oil tanks.....14761
oils 10304
pulverized coal regulators 12329
storage tanks, automobile 14730
Fueling scows.....13088
Full surface butts.....1747e
Fuller balls 12785
board (see press board) 11468
work cocks & bibbs...2848
& washer, combined..15458
Fullers earth.....5034
earth machinery.....8343
earth treating kettles..6872
top & bottom.....5035
Fulling mills.....15184
Fume-proof paints.....10550
Fumigating systems, ship 5035a
Fumigators 5036
Fuming sulphuric acid.. 52
Funnels, copper 5036a
family 5037
for injector & oil overflow 5038
gasoline 5039
glass 5039a
grocers' 5037
nitre charging.....5040
separating 5041
stoneware 5041a
& dippers, combination.3823
Fur cutter knives.....6979
dressing machinery....8344
mfrs. machinery.....8344
Furnace arch brick.....1430
bells 6432
blast machinery.....7774
blast tops.....15794
blast valves.....16280

No.

Furnace block 909a
blowers 941
brick (is classified according to the kind of furnace for which it is required).
builders glass house....5456
cars annealing 1994c
casting rings.....12449
castings 2188
cements 2249
chains 2329
charging barrows..... 550
charging machines.....8345
clay (see fire clay)....4758
door hoists.....6194
doors, open hearth....3944
doors & grates.....5042
elbows (see furnace pipe & fittings).....5043
feeders 4605
fronts, muffle.....10027
gas burners.....1674
hoists 6193
hoppers & bells.....6432
jackets 6764
lining 7469a
oil heating, brick.....1446
pipe seaming machines.8346
pipe & fittings.....5043
ports, open hearth....11392
refining brick.....1452
regulators 12330
roof brick.....1430
sand 12896
scoops 13075
tile 15585a
tops, blast.....15794
tops, hot air.....15797
welding brick.....1467
Furnaces, agricultural...5044
aluminum melting.....5045
angle heating 5045a
annealing & case hardening 5046
asphalt (see heaters, asphalt) 6016
assayers' & bullion.....5047
automatic 5047a
babbitt melting.....5048
bagasse 5049
barium chloride.....5051
bench forge 5051a
billet heating.....5052
blast 886
bluing (see furnaces, heat treating) 5082
boiler shop 5052a
bolt heading 5052b
brass annealing 5052c
brass melting.....5053
brazing 5054
bright annealing 5054a
bulldozer 5054b
bullion 5047
calcining 5122
carbonizing 5055
cartridge case, annealing 5055a
cartype 5055b
case hardening.....5046
chain welding.....5055c
charcoal 5056
cold rolled strip annealing 5056a
combination coal & oil.5056b
combination gas & oil.5057
confectioners' gas.....5058
continuous 5058a
copper 5059
copper melting.....5053
copper, rectangular....5108
core baking (see ovens, core baking).....10425
corrugated 5061
creosote, blast 3421a
crucible 5062
cupelling 5063
cyanide hardening.....5065
dental 5066
electric 5067
electric hardening.....5068
electricians' (see furnaces, gasoline blast)5080
enameling 5069
enameling, muffle.....5070
evaporator (see evaporators) .....4441 & 4456
fagot heating 5071
flanging 5071a
flue welding.....5072
forge, revolving.....5113
forging, etc.....5073
fuel oil burning.....5074
galvanizing 5075
gas 5076
gas blast.....5077
gas, confectioners'.....5058
gas soldering.....5079
gasoline blast.....5080
glass house.....5456
glass mfrs.....5081
gold melting.....5047
gun barrel heating.....5081a
gun shrinking 5081b
hardening 5046
heat treating 5082
heat treating shells...5082a
heating 5083

No.

Furnaces, high speed steel 5084
hop 5085
hot air, gas for fuel..5086
hot air, mfrs.....5087
japanning 5087a
jewelers' 5088
kerosene 5089
lead 5120
lead, for galvanizing wire 5090
lead melting 5091
lead tempering.....5092
liquid boiling.....5093
liquid fuel.....5094
locomotive 5095
magnet heating.....5096
malleable annealing...5097
malleable melting.....5097
melting 5098
muffler & oven.....5099
muffling & charcoal sinking 5100
non-crucible 5100a
non-oxidizing 5100b
oil blast.....5101
oil burning 5101a
oil tempering.....5102
one pipe (see furnaces, hot air mfrs.) 5087
open hearth.....5103
ore roasting (see furnaces, smelting roasting, etc) 5122
pipe mill 5104
pipeless 5104a
pitch (see heaters, asphalt, pitch, etc)....6016
plate heating.....5105
powdered coal.....5106
preheating 5106a
producer gas.....5107
rectangular copper.....5108
recuperative 5108a
refining & reducing....5109
regenerative gas.....5110
reheating 5111
reverberatory 5112
revolving, annealing & hardening 5112a
revolving forge.....5113
rivet 5114a
rivet heating.....5114
roasting 5122
rocker 5115
roll tempering.....5116
rotary kiln, automatic 5117
rotating 5117a
salamander (see salamanders) 12866
saw hardening.....5118
scrap melting (see furnaces, steel, melting).5124
sherardizing 5119
silver 5120
silver melting.....5047
sintering 5121
smelting, roasting, etc.5122
smokeless 5123
soldering 5079
soldering, gas.....5079
spring fitting 5123a
steel annealing (see also furnaces, annealing & case hardening, 5046) 5123b
steel & iron melting....5124
sulphur 5126
tar (see heaters, asphalt, pitch & tar)..6016
tempering (see also furnaces, annealing & case hardening, 5046) 5126a
tilting 5117a
tinners' (see furnaces, gasoline blast).....5080
tinning 5127
tire 5114a
tire heating.....5128
tool dressing.....5129
tool hardening.....5129a
tube brazing.....5130
warm air 5131
welding 5132
welding, regenerative..5133
wire 5090
wire baking & annealing 5134
wood burning.....5135
zinc 5136
Furnishings, bathroom.. 630
Furniture, bamboo 5137
barbers' 5138
binding & gimps..... 816
buttons (see buttons, tufting) 1744
butts 1747f
camp 5139
casters 2141
church & lodge.....5140
clamps (see clamps, cabinetmakers', etc).2564
conservatory 5144
costumers' 5141
dental & surgical.....5142
felt 4619a
for public buildings....5143

No.
Furniture, garden.....5144
gimps 816
hardware (see hardware mfrs., cabinet).5924
hospital 5145
household 5145a
Furniture knobs.....7067b
knocked down.....5146
laboratory (see laboratory apparatus & supplies) 7094
lawn 5147
leg sockets 13835
lodge 5140
machine shop.....14220
machinery, sheet metal.8587
metallic 5148
novelties 5148a
panels 10578a
park 13328
polish 11379
porch 5147
printers' 11675
post office 5149
rattan & reed.....5150
school 5151
slides (see shoes, sliding furniture).....13564
spindles 13929a
springs 14018
stamping, steel 14123a
store 14387
surgical 5142
tops 15796
trimmings 15959
willow 5152
Furring staples, metal..14168a
& lathing iron 5153
Furrowing attachments, disc 282
Fuse, blasting..... 888
blocks 909
boxes 1232
boxes, street car.....1233
caps 1897
clips 2710
cut-outs 3525a
cutters 3556a
hole plugs 11317b
lighters, blasting 7431
oil boxes 1260
plugs 11317a
safety 5156
shells 13497
terminals 14960
testers 14979
wire 5156a
Fused coupling boxes for feeder cables.....1234
quartz glass.....5453
service switches.....14586
silica 13688
Fusel oils.....10303
oils (refined).....10303
Fuselages 5156b
aeroplane 82
Fuses, cartridge, nonrenewable 5156c
enclosed, indicating ...5157
enclosed, renewable ...5157a
miscellaneous, electric.5158
plug, non-renewable....5158a
plug renewable 5158b
potential, extra high..5158c
railway signal.....15821
refillable cartridge.....5159
renewable 5159a
renewable links 7482a
telephone 5160
Fusible, alloys 122b
links, fire door, etc.....7480
plugs 11218
Fusing machines, ear.....9156
Fusion kettles 6872a
Fustic extract 4493b
electric 5161
Gable bottom cars.....2029
ornaments 10408
Gadder machines, stone..9209
Gadders 5163
Gaff hooks.....6338
Gaffs, clincher.....5164
Gages (see gauges)
Gagger molds.....9909
Gaggers 5165
Gaining machines, timber 9307
Gaiter buckles (see buckles, overshoe)...1621
Galena, radio 5165a
Gall cure.....5166
Galleries, laughing.....7317
riding 5167
shooting, mechanical.13572
steam riding (see carousels, organs, etc)..1966
stoves 14412
Gallic acid..... 32
Galvanized bolts.....1031
cans 1876
chains 2329a
iron buckets (see pails, galvanized iron)....10507
iron dealers (see tin plates, metals, etc).15613
iron measures.....9650
iron pails.....10507
iron pipe (see pipe & tube mills).....10989
Galvanized iron range boilers 1033
iron rudders.....12801
iron sheets.....6715
iron store fronts.....14385
Galvanized iron tank trucks 16022
iron tubs.....16131
japanned enameled spittoons 13935a
material 5167a
metal towers.....15833c
nails 10060
oil pumps.....11902
pump chains.....2330
rivets 12512
sheet iron & steel.....6715
sheet steel hoods.....6296
spikes 13919b
spittons (see cuspidors) 3520
steel baskets..... 610
steel enameled bath tubs 634
steel pumps.....11856
steel sheets (see iron & steel sheets).....6715
steel tanks 14762
steel wire rope hawsers 16969c
steel wire rope rigging 16973b
strand 14445
tanks 14762
ware mfrs.....5168
washers 16635
wire (see wire market) 16951
wire netting (see wire poultry netting)....16962
wire rope....16969 & 16973a
Galvanizing barrels..... 531
cold process.....5169
dry process.....5170
electro 5171
frames 5006
furnaces 5075
hot process.....5172
kettles 6873
ladles (see kettles, galvanizing) 6873
machinery 8349
machinery, wire.....9428
pans 10599
plants, complete.....5173
pots (see kettles, galvanizing) 6873
tanks 14762a
works 5174
& tinning plants, wire mill 5175
Galvanometers & bridges.5178
Gambier 5179
Gambrels 5179a
hog 5180
Game arrows 244
boards 973a
carrier 1987
traps 15883
Games .....5180a & 15840
wood 5180b
Gamma acid 32a
Gang cutters.....3557
drilling machines 8225
drilling machines, wood 8465
plows 11187
plows, steam.....11188
plows, traction engine.11188
plows, wheel.....11189
press wheel attachments 287
presses, automatic....11476
punching machines (see punching machines, multiple) 8880
rippers 5181
saw edgers.....4193
saw mills.....12939
sawing machines, stone.9210
sawing machines, wood.9466
saws 12976
slitting machines.....9135
tool presses 11548
Ganistor stone 5183
Gantry cranes.....3361
Gap lathes (see lathes, engine) 7264
shears 13424
Gaps, radio spark.....13899a
Garage compressors.....2960
door bolts 1082
door hangers.....5895b
door handles 5840a
door holders 6249a
door openers 10367a
doors 3933c
elevators 4270a
equipment 13318b
hardware 5919a
heaters, automobile....6017
hinges 6105
ventilators 16485b
Garages, fireproof 5183a
portable 5184
steel, portable.....11390b
Garbage boxes 1234a
burners, water heating.5185
cans 1833
Garbage carts (see wagons, garbage).....16570
covers 3314c
digesters 3810
disposal plants.....5186
dryers 4121
grinders 5625b
Garbage incinerators (see garbage disposal plants) 5186
pails 10608
percolators 10816b
presses 11549
receivers 12217
wagon tanks, steel...14763
wagons 16570
Garden barrows..... 551
cultivators 3478
engines 4366b
floral sets handles.....5840b
forks 4968
furniture 5144
hose 6460
hose racks.....12068
hose reels.....12263
plows 11190
rakes 12136
rollers 12622
seed drills.....4034
seeders 13275
sowers & drills, hand seed 13891
spades 13896
sprayers 13977c
trowels 15989
weeders 16733
Gardeners' tool (see specific articles required).
Garlic extractors.....4499
separators 13800
Garment hangers.....5896
scales, lever balance..15362
Garments safety 12862a
Garnet cloth (see paper, flint, etc).....10663
paper (see paper flint, etc) 10663
Garnett machines.....15185
& card machines, combined 15186
Gas acetylene (see acetylene) 18a
analysis apparatus....5187
apparatus for fuel & illuminating gas.....5188
apparatus, water.....16633
arc lamps 7146
attachments 288
automobile lamps.....7154
bags, rubber.....5189
blast forges.....4927
blast furnaces.....5077
blow torches 15810a
blowers (see exhausters, gas).....4473
boosters 1143
broilers (see stoves, heaters & ranges, gas) 14414
buoys 1660
burner by-passes.....1749
burner, drilling machines 8352
burner regulators.....12331
burner talc blanks...14711
burner tips.....15625
burners (acetylene gas)1667
burners, combination..1670
burners (fuel gas)....1672
burners (furnace gas).1674
burners (incandescent gas) 1682
burners (inverted).....1675
burners (natural gas)..1687
burners, self-lighting..1676
burning appliances....5033
butane 5189a
by-product ovens.....10424
carbonic acid.....5190
cock handles 5840c
coke cars.....2030
compensators 2931
composimeters 5191
compressing pumps...11857
compressors 2961
condensers 3002
cooking 5191a
cooking apparatus.....3149
cutting 5191b
cylinders, seamless 5191c
dredging machinery...8210
drums (see gas holders) 5195
dust determinators.....3724
electric blow torches 15810b
engine anti-fluctuators. 184
engine bags 390
engine castings.....2166
engine clutches.....3779
engine cocks 2815
engine cooling pumps.11858
engine cooling tanks..14764
engine crankshafts....3394
engine driven pumps..11859
engine forgings.....4947
engine igniters.....6530
engine indicators.....6558
Gas engine lubricants (see lubricating oils & greases) 7621
engine manifolds.....9545
engine mufflers 10028a
engine starting pumps.11860
engines 4368
engines, rebuilt 4370
ethylene 5191d
exhausters 4473
extractors (see extractors, tar) 4509
fired boilers.....1026
fitters' proving pumps.11861
fixture dies.....3773
fixture fittings.....4810
fixture taps.....14854
fixtures 4220
fixtures, acetylene.....5192
fixtures, wrought iron.5193
flow meters.....5194
furnaces 5076
furnaces, confectioners'.5058
furnaces, regenerative.5110
gauges (see gauges, gas retort).....5286
generating sets, electric 5413b
generators (see gas machines) 8353
governors 5535
grates, parlor.....5581
heaters 6031
heaters for tailors' iron 6032
heaters, steam & hot water radiation.....6034
helium 5195
hoisting engines.....4375
holder heaters 6032a
holders 5196
hydro carbon.....5197
indicators 6557
jet heaters.....6033
lamp tubing & nipples.16127
lamps, acetylene.....7142
lamps, incandescent...7176
lamps, inverted.....7187
leak indicators.....6559
light fixture parts....4220a
light fixtures.....4220
light portables 4221
lighter files.....4698
lighters 7435
lighters, electric.....7433
lighting burners, electric 1671
lighting spark coils...2857
lighting systems.....7438
lighting torches.....15811
line fittings.....4811
log valves.....16313
logs 7604
machines 8353
machines, acetylene...8354
machine, gasoline.....8355
machines, naphtha gas.8356
main bags..... 391
main fittings, cast iron.4802
main force pumps....11862
main plugs.....11219
main stoppers.....14367
main tapping machines.9257
main valves.....16314
mantle wire 16939
mantles, incandescent 9555
masks 9596a
meter cocks.....2816
meter cocks with "Kewanee" unions.....2816a
meters 9721
meters, prepayment (see meters, gas)....9721
meters, proportional...9731
mixers 9870
naphtha 10100
neon 5197
oils 10304
oven valves.....16315
ovens 10428
oxygen (see oxygen)..10441
packing 10464a
parlor grates 5581
pipe, cast iron 2139
pipe, wrought iron...10941b
plants installed (see gas works apparatus & construction).....5201
pliers 11165
plugs 11219
portables 4221
pressure controllers (see regulators, gas pressure) 12337
pressure regulators...12332
producer blowers..... 941a
producer furnaces.....5107
producer plant valves.16315a
producers 5198
producers, water seal..5199
propane 5199a
pumping engines.....4396
pumping jacks.....6775
purifiers & scrubbers..12030
ranges 14414
recording pressure gauges 5284
recording pressure gauges, portable.....5285

INDEX

INDEX

No.

Gas regulators (see regulators, gas pressure).12332
retort benches..... 767
retort carbon 1938e
retort gauges.....5286
retort house machinery.8357
retort rakes.....12137
retorts 12290
sad irons.....12843
scrubbers 12030
service cocks.....2817
Gas shut-off valves.....1631
singeing machines....15333
soldering furnaces.....5079
squibs 14081
stove burners, hot blast 1680
stove cocks.....2818
stove ovens.....10428
stove supply pipes....10997
stoves 14407
stoves, bakers'.....14400
tank keys, automobile.6889
tanks 14763a
taper handles.....5841
tractor gears.....5402
tractors 15852c
tubing 16102
tubing tips, rubber...15626
valve mfrs. 16255
valves 16398a
valves (blast & gas)..16281
valves, safety.....16316
valves, Siemen.....16318
washer, boiler & burner, combined.....5200
washers (see purifiers & scrubbers, gas)..12030
water & casing pipe...10941a
well casing shoes....13554
well drilling engines...4365
well pumps.....11898
well rig irons.....12416
well shooting.....13573
well supplies.....10246
well torpedoes (see torpedoes) 15818
works apparatus & construction 5201
works, machinery.....8358
works, supplies.....5202
& oil separators.....13301
& steam cock wrenches 17073a
& steam tractors.....15852c
Gases, liquefied.....2442
Gasket cements 2249a
cutters 3616
Gaskets, aluminum.....5211
asbestos 5204
asbestos, copper combination 5204a
asbestos, metallic 5211
automobile 5204b
copper (see gaskets, metallic) 5211
cork 5204b1
corrugated copper (see gaskets, metallic)...5211
corrugated copper & asbestos 5204c
corrugated & plain....5204d
felt 5204e
flexible fibre.....5205
for flange, valves & fittings 5205a
gauge glass.....5206
gum, fibrous, etc.....5207
hard fibre.....5208
lead 5209
leather 5210
manhole 5210a
metallic 5211
monel metal.....5211a
nickel 5211b
paper 5212
rubber (see gaskets, gum fibrous, etc)....5207
steel corrugated.....5213
tubular 5213a
Gasoline arc lamps.....7147
automobile burners....1678
automobiles, passenger .321
blast furnaces.....5030
blow torches.....15812
burners 1677
burners, automobile....1673
cans 1859
cars, interurban.....2041
compressors 2962
dredging machinery....8211
engine cylinders.....3637
engine governors.....5535a
engine igniters.....6530
engine primers.....11671a
engine sprayers' outfits 13977d
engine trucks.....16022a
engine trucks, steel...16022a
engines 4371
extraction compressors.2963
filters 4738
four cylinder road rollers 12613
fuel, savers.....12926
funnels 5039
gas machines 8355

No.

Gasoline gauges (see indicators, fuel level)...6556
hoisting engines.....4375
hoists 6195
hose 6461
lamps 7167
lamps, incandescent...7177
lamps, inverted.....7183
lamps, portable.....7181
lanterns 7226a
Gasoline lighting systems7439
locomotive engines....4371
locomotives 7590
long distance storage & pumping outfits.....5214
marine engines 4382
measures, automobile..9645
meters 9723
motor lawn mowers...7329
motor locomotives.....7590
motor trucks (see automobile builders)..... 321
motors (see engines, gas & gasoline).....4368
power cranes 3361a
pumping engines.....4396
pumping machines.....8870
pumps 11864
refiners 5215
rock drills.....4059
shut-off cocks.....2819
soldering iron & blowtorch combined.....13877
stills 14316
stoves 14413
strainers 14439a
tanks 14765
tanks, automobile....14732
torches (blow).....15812
traction engines.....4413
tractors 15852d
underground storage barrels 528
underground storage & pumping outfits.....5216
valves, needle point..16355
& steam stump pulling & piling machines, combined 9227a
Gassing machines.....15187
Gate hangers 5896a
hinges 6106
hook machines, automatic 8359
hooks & eyes.....6412
latches 7237
or guillotine shearing machinery (see shears, gate or guillotine)..13425
shears 13425
springs (see springs door), 14010; (also springs, coil or spiral) 14006
valve seating chucks..2512
valves 16319
valves for water mains 16320
Gates, automatic drive...5217
bin 5217a
blast 5218
bridge 5219
bronze (gates, ornamental bronze & iron....5229
car 1920
coal pocket 5220
concrete hopper.....5221
day, for bank vaults ..5221a
driveway & entrance (see gates, ornamental, bronze & iron....5229
elevator, automatic....4240
enclosure factory 4524a
factory enclosure 4524a
farm 5222
flood (see gates, sluice)5234
folding 5224
hatch, automatic (see elevator gates, automatic) 4240
hopper (see doors, hopper) 3938
lock 5225
mausoleum (see bronze doors) 1488
molasses 5226
ore bin.....5227
ore & oil.....5228
ornamental bronze.....5229
ornamental iron.....5229
porch, wood 5238
railway crossing.....5230
safety 4240
sewer, back water.....5232
shear 5233
sluice 5234
steel & iron.....5253
steel picket (see fences, iron & steel picket) 4637
storage bin.....5237
water 5234
wire 16934
& guards bronze folding 5239
& guards, elevator, folding 4241

No.

Gates & guards, elevator, "Pitt Bostwick," etc.4242
& railings 5239a
Gatherers, clay & shale.2638
Gathering machines, book 7303
Gauge boards..... 974
cock drips.....4078
cocks 2820
dials 3731
flat 5283a
Gauge glass cutters.....3558
glass gaskets.....5206
glass preservers.....5240
glass protectors.....5241
glass reflectors.....5242
glass washers.....5243
glasses 5244
grinders 5625c
lamps, locomotive.....7190
lathe knives.....6980
lathes 7270
movements 10022
pins 10902
pipe stand.....14133
table shears.....13426
testers 14980
testing apparatus 5245
testing pumps (see gauge testing apparatus) 5245
track, narrow 15845d
Gauges 5246
acetylene 5246a
aeroplane 5246b
air 5247
air brake (see gauges, steam) 5330
alarm 5248
altitude 5258a
ammonia 5248b
amplifying 5248c
automobile 5249
bar iron limit (see gauges limit).....5297
battery (see ammeters & voltmeters)..... 145
bit, auger.....5253
blast (see gauges, steam) 5330
blood pressure.....5254
boiler plate (see gauges, micrometer).5303
Bourdon pressure (see gauges, steam).....5330
built up 5254a
butt 5255
button 5256
cabinet makers'.....5257
caisson pressure 5257a
caliper 5258
carpenters' 5259
center 5260
chamferer 5261
chemical 5262
circumference 5263
clapboard 5264
combination recording pressure & vacuum..5265
combination, water pressure 5266
compound, pressure & vacuum 5267
compression 5268
cutting 5269
cylinder 5270
cylindrical (see gauges, plug & ring).....5310
decimal 5271
depth 5273
dial 5273a
differential recording..5274
draft 5275
draft, recording.....5276
draw 5276a
drill 5277
duplex, air brake.....5278a
dynamo motor oil (see gauges, oil).....5307
electrically operated ..5279
expansion tank 5280
farm engine.....5281
flange thickness.....5282
flower bed 5690a
gas recording pressure.5284
gas recording pressure, portable 5285
gas retort 5286
gasoline (see indicators, fuel level).....6556
gear tooth (see gear testing machinery)..8363
height 5287
hinge (see gauges, butt) 5255
hydraulic 5288a
hydraulic recording...5289
illuminated dial.....5290
indicating & recording combined 5291
inspectors' 5292
iron plane.....5293
jewel 5294
jointer 5295
leather 5296
limit 5297
liquid level 5297a

No.

Gauges, liquid micrometer (see gauges, micrometer) 5303
locomotive 5297b
loss of head recording.5298
lumber 5299
marking 5300
measuring 5301
mercury 5302
mercoid 3074e
micrometer 5303
mine fan.....5304
mine water.....5305
mitre 5306
motor oil (see gauges, oil) 5307
oil 5307
paper 5308
petrol depth 5308a
piston ring & pin.....5308b
planer 5309
plug & ring.....5310
precision (see blocks, size) 921a
printers' line 5310a
profile 5310b
pyrometer, steam pressure & temperature..5311
radial grinding.....5312
rain 5314
raker (see gauges, saw) 5320
recording pressure.....5315
recording pressure, portable 5316
recording tide.....5317
recording vacuum.....5318
retard 5318a
revolution recording...5319
rolling mill (see gauges, micrometer).5303
saw 5320
scratch 5300
screw cutting, universal 5342
screw pitch 5322
shaper 5309
sheet metal.....5323
sheet rubber measuring 5324
shingle 5325
snap 5326
speed recording.....5328
stand pipe.....14138
steam 5330
sulphite digester.....5331
surface 5273
syphon (see gauges, steam) 5330
tank 5332
tank, acid metal.....5333
tank gauge, pneumatic.5334
taper 5335
temperature regulating 12043
test 5336a
test pocket.....5337
thickness 5338
thread 5338a
tire pressure.....5339
track 5340
twist drill (see gauges, drill) 5277
unison telemetric pressure 5341
universal screw cutting 5342
urn 5343
vacuum 5343a
vacuum draft.....5344
water 5345
water depth.....5346
water level.....5347
water pressure (see gauges, water).....5345
waterworks 5349
welding outfit 5349a
wheel 5350
wheel defect.....5354
wind (see anemometers) 168
wire (see gauges, sheet metal & wire).....5323
wireman's calculating..5351
wood plane.....5352
worm thread tool.....5353
worn coupler.....5354
Gauging & wantage rods 12564
Gauze, platinum.....11154
surgical 5355
wire splints 13942a
Gavels 5356
Gear blanks.....5357
blanks, rawhide 5358
blanks, steel 5359
bronze 5360
cases 5361
cases, car motor.....5362
cleaning machines.....8360
cocks 2846
compounds 2933
cutters 3559
cutters (tools).....3559
cutting (see gears, cut) 5378
cutting attachments... 289
cutting machines.....8361

No.

Gear draft 3974
drives 4086
grease 5591
guards 5692
hobbing machines.....8362
hobs 6161
link drive chains.....2331
locomotive valve 5363
Gear lubricants.....7616
mitre 5792a
molding machines.....8362a
oils worm 10357a
planers, bevel 11015a
protective composition.5364
pullers (see pullers, wheel) 11723
shields 13518
shield casings (see gear cases) 5361
shifts, electric.....5365
shifts, mechanical ...5365a
testing machines.....8363
tooth gauges (see gear testing machinery)....8363
tooth rounding machines 8364
wheels 16783
wheels, hard fibre....16734
& pinions 5408a
Geared head lathes (see lathes, engine) 7264
jacks 6775a
locomotives 7591
oil or water pump....11866
pneumatic hoists.....11289
pumps 11865
valves 16321
Gearing, cane mill.....5366
mill 5366a
silent flexible chain....5367
skylight 5367
spur 5368
wharf drop 5369
Gearless traction elevators 4271
Gears 5369a
aeroplane 5369b
angle 5369c
automobile 5370
automobile speed.....5371
automobile steering...5372
bakelite micarta 5372a
bevel 5372b
boom swinging.....5373
brass 5373a
brick machinery.....5374
bronze 5374a
cane mill 5374a1
car motor.....5375
cast iron.....5375a
cement machinery.....5376
charcoal iron.....5376a
clock 5377
cloth 5377a
compensating 5377b
cut 5378
die-cast 5378a
die-molded 5378b
fabroil 5410
fan motor.....5379
fibre 5380
for dredges.....5381
for steam shovels.....5381
forged, solid.....5398
formica 5381a
friction clutch.....5382
gas tractor (see gears, tractor transmission) 5402
generated teeth 5382a
helical cut.....5383
herringbone cut.....5384
herringbone molded....5385
instrument 5377
internal 5386
locomotive power reverse 5386a
lowering 5386b
machine moulded.....5387
marine reversing.....5388
marine steering.....5389
marine turbine 5389a
meter 5377
mill .....5390 & 5410a
mine motor.....5391
mining machine.....5392
mitre 5392a
mortise 5392b
nickel steel.....5393
noiseless 5394
rawhide 5411
reduction 5395
reversing, marine.....5388
rolling mill 5396
silent chain.....5396b
small 5397
solid forged.....5398
speed changing.....5403
speed reducing 5399
spiral (see gears, cut).5378
spurs (see gears, cut)..5378
steering, marine.....5389
steering, semi-reversible 5400
street car axle.....5401
timing 5401a
tractor transmission...5402
transmission or speed changing 5403

No.

Gears, valve, locomotive (see gear locomotive valve) 5362
vanadium 5412
vanadium steel.....5404
wagon 5405
worm 5406
worm bevel.....5407
worm gear reduction..5408
& pinions.....5408a
Gears & pinions, case hardened 5409
& pinions, cloth.....5410
& pinions, fabroil.....5410
& pinions, mill.....5410a
& pinions, rawhide....5411
& pinions, vanadium...5412
"Geco" rosettes 12770a
Gelatin blasting..... 888a
coating machines.....8365
dynamite 5412a
glue 5515
mfrs. 5413
Gelignite (see dynamite).4178
Gem lamps.....7168
pans 10601
General contract machine work 7670
contractors 3044
metals 9691a
service pumps 11866a
Generated teeth gears...5382a
sets, gas, electric.....5413a
sets, motor 5414
sets, oil engine.....5415
sets, steam engine & steam turbine 5416
Generator, belting mfrs., axle 735b
belting mfrs., axle.... 735b
coolers 3158a
cooling systems 5416a
valve throttles 15552
valves 16322
voltage regulators....12333
Generators, acetylene.... 18b
(see also gas machines, acetylene) 8354
chlorine 5417
electric lighting.....5418
electric power.....5419
electroplating 5419a
electrolytic 5420
electrotyping 5421
gas (see gas machines).8353
heat, hot water.....5422
hot water 5423
hydrogen 5426
low voltage.....5424
magneto 5425
oxygen 5426
ozone 5427
steam 5429
street railway.....5430
turbine driven 5431
water wheel driven....5432
Genuine wrought iron pipe 10979
Germ squeezers.....14077
German silver (see specific article under nickel silver)
Germanium Dioxide.....5433
Germicides 5434
Giants, hydraulic.....5435
Gib screws.....13199
Gibs & keys.....5436
Gig saddles.....12846
Gigs, teasel.....15188
Gilders, whiting.....16841
Gilding presses 11550
wheels 16785
wire 16940
Gill box cans.....1845
boxes 1235
net leads.....7352
screws 15189
Gills, preparing & finishing 15190
Gilsonite, domestic (see asphalt miners & refiners) 264a
Gilt nails.....10062
Gimlet bits..... 833
handles 5841a
mfrs. (see bits, gimlet) 833
pointing screw machines 9037
Gimp tacks.....14686
Gimps, furniture 816
Gin saw filing machines & gummers 8367
Gingham looms.....15255
Ginning machinery, cotton 8136
Girder clamps (see clamps, beam) 2557
rails 12122
Glare visors, automobile.16543a
Glass, actinic 5437
aquariums 217
aqueduct wire.....5437a
balls 460
bars & rods.....15191
batch mixers.....9871
battery jars.....6807
beakers, chemical laboratory 659b

No.

Glass benders 5438
bevelers 5439
beveling machinery....8367a
blowers' pipes.....10991
blowers' scales.....13033
blowing machines.....8368
blown shades.....13349
bottles 1167
carboys 1959
carnation 5441
carrara 5442
cathedral, rough plate & tile.....5443
ceilings, marbleized....2218
chipped 5444
cobweb wire.....5445
colors 2891a1
colored 5445a
corrugated wire 5445b
cutters 3559e
cutters' blanks..... 880
cutters' brushes.....1546
cutters' pliers.....11166
cutters' rules.....12816
cutters' stones.....14352
cutting boards..... 975
cylinders 3638
decolorizers 3671b
decorating machinery 8369
discs 3833a
door knobs.....7068
embossers 5446
enameled coolers.....3158b
enameled pipe 10941c
enameled tanks 14793a
enameled steel tanks (see tanks, steel glass, enameled)....14808
enamelers 5447
eye (see lenses).....7384
figured 5448
fire retardant (see glass, wire glass)....5482
fish globes (see aquariums, glass)..... 217
floats 4879
floor plate mfrs.....5449
for diffusion of light...5450
for electrical use.....5451
for engineering specialties 5452
front shelving, sectional 13509
funnels 5039a
furnace brick 1433
furnace castings 2168
fused quartz 5453
globes (see globes) 5500 to 5504
greenhouse 5453a
ground 5454
headlight 5454a
heat-intercepting, actinic 5454b
house clay supplies 5455
house furnace builders.5456
household lamps.....7173
house machinery.....8370
house molds 9910
insulators 6667
jars 6811
knobs, door, drawer, etc. 7068
lamp chimneys 2454
leaded 5457
letters 7386
lined refrigerators & cooling rooms.....12295
lined steel tanks.....14808
machinery (plate glass) 8828
makers' chemicals.....2439
makers' sand.....12897
makers' tools.....15731
mfrs.' furnaces.....5081
melting pots (see glass house clay, supplies) 5455
mfrs.' furnaces.....5081
mosaic shades, leaded.13351
mosaic work.....5458
mosaics 9944
non-shatterable 5458a
oil cups (sight feed)..10238c
opal blanks.....5459
opalescent 5460
optical 5460a
paper weights.....10731
photographic 5461
plate prism mfrs.....5467
plate & window, wholesale & retail.....5463
polish 11380
polished plate, mfrs...5464
polished wire.....5465
polishing machines....8371
pressed light, mfrs.....5466
presses 11551
prismatic, mfrs.....5467
quartz 12046
reflectors 13357
resilvering 5468
rods & bars.....15191
rolled 5468a
roofing 5468b
roofing tile.....12741

No.

Glass, rough ribbed & figured rolled plate....5469
rough & ribbed, for skylights 5470
sand blast.....5471
shades, leaded 13351
shades, pressed or blown 13349
shelves 13506
show windows.....14386
sidewalk 5477
signs 13671
skylight 5472
smalting 5472a
solite 5473
stained 5474
stained window 16885
stainers' supplies.....5475
Glass store fronts & show windows.....14386
structural sanitary....5476
syphons 14629
syringes 14632
tank brick.....1433
tile 15586
trays 15919g
tube cutters (see cutters, gauge, glass)..3558
tubing 16103
tumblers 16143
valve cylinders 3637a
vault & sidewalk.....5477
vials 16500
water (see sodium, silicate) 13858a
window mfrs.....5478
window, wholesale & retail 5463
windshield 5479
windshield visor.....5479a
wire, approved fire stop 5430
wire, for fireproof windows 5481
wire 5482
wire, holly.....5483
wire, polished.....5465
wire, skylight.....5484
wool 5484a
work, mosaic 5458
& iron doors 3939
& metal shades.....13350
Glasses, cylindrical.....5485
eye (see lenses).....7384
field 5488
gauge 5244
jelly 5486
level 5487
oil cup.....5485
opera 5488
plumb 5487
port hole.....5489
reading 5490
reducing 5491
Glassine envelopes 4425a
paper 10667
Glassless lenses.....7285a1
Glassware, baking 5491a
chemical & druggists'..5492
crystal 5496
cut 5493
decorated 5494
electrical 5495
opal 5496
packers' (see jars, fruit) 6810
pressed 5497
stationers' 5498
table 5499
Glauber's salts.....12883
Glaze mills.....9795
Glazed architectural terra cotta 14964
brick 1435
fire clay laundry tubs.7320
paper 10668
terra cotta roofing tile 12747
Glaziers' diamonds.....3732
lead 7339
points 11341
putty 12036
Glazing machines.....8372
machines, leather.....8537
straps 14456
Gliding settees.....13324
Globe holders 6266
valves 16323
Globes, arc lamp.....5500
fish, glass (see aquariums, glass)..... 217
for incandescent light..5501
fresnal, for steamships.5502
inner arc (see globes, arc lamp).....5500
lantern 5503
& shades, prismatic....5504
Gloss white 5504a
Glossing machines.....8373
Glove buttoners 1729
cutting dies (see glove machinery) 8374
darners 3666
fasteners 4552
hooks (see buttoners, shoe & glove).....1729
machinery 8374
makers' cutting presses 11522

INDEX

INDEX

No.

Glove molds, porcelain, for surgeon's rubber gloves 9917a
molds, wooden 9925b
powder boxes 1235a
sewing machines 9064
stretchers 14479
Gloves, asbestos 251
automobile 5505
baseball 5506
boxing 5506
canvas 5508
cotton flannel 5508a
fencing 5506
husking 5509
insulating (see gloves, rubber) 5511
Gloves, knitted.....5512
leather 5510
rubber 5511
sand blasting 5511a
Glucose 5512a
Glue brushes 1546a
cutting machines.....8375
dryers 4119
emery wheel.....5513
evaporators 4447
factory machinery.....8376
fish 5514
gelatine 5515
grinding mills.....9796
heaters 6035
jointing machines.....8377
mfrs. 5517
marine 5517a
mixing machines.....8629
pots 11431
presses 11552
spreading machines....8378
stock 5517b
substitutes 5517c
tanners' 5518
vegetable 5518a
waterproof 5519
Gluing machines, book..7804
presses, wood pulley..11665
& folding machines, paper box.....8709
Glycerine 5521
drums 4096
evaporators (see stills glycerine, & glycerine machinery & apparatus) 14316a
machinery & apparatus8379
stills 14316a
substitutes 5521a
Glycerophosphate 5522
calcium 1799b
Goals, basket ball.....5523
Goat hair.....5741
wagons 16571
Go-carts (see carriages, children's) 1973
Goggle lenses (see lenses, optical) 7385d
Goggles, sand blast.....5524
welding 5524a
& eye protectors.....5525
Gold alloys 123
anodes 181
bullion molds.....9911
castings 2168a
cathodes 2215a
chloride 5525a
dredges 3993
dredging buckets.....1596
enamels (see paints, aluminum & gold).10529
14 K. & 18 K. white..5525b
granulated 5525c
leaf 5526
liquid 5526a
melting furnaces.....5047
melting retorts 12390a
mining dredges.....3994
ores 10382
paint boxes 1235b
paints 10529
pens 10808
plated pens.....10809
plated trays.....15920
platers' bars..... 570
salts 5526a
sodium chloride 5527
solder 13868
& silver rolling mill machinery 8379a
Golden yellow (see color mfrs.)
Golf bag, carriers.....19874
bags 392
balls 461
clubs 2770
course rollers, steam..12640
course sprinklers 14047
heads 5998
stick shafts.....13370
Gondola cars.....2032
Gong bell wire.....16940a
Gongs, car..... 720
electro-mechanical 5523
unmounted 721
unmounted electric bell.5529
Goods, clay 2635a
leather 7360a
Goosenecks 5530
Gopher killers.....6902
traps 15396

No.

Goring looms 15256
shoe 13545
Gouges, blacksmiths'....5531
carpenters' 2478
plumbers' 5531
Governor pulleys.....11740
springs 14019
Governors, compressor...5532
electric motor compressor 5533
electric pump 5534
elevator 4243
feed, water (see regulators, feed water).12325
gas 5535
gasoline engine 5535a
Governors, motor driven compressor 5536
motor vehicle 1374a
oil burner.....5537
pneumatic 5538
pressure 5539
pump 5540
pump, electric.....5534
retort house 5541
steam engine.....5542
turbine 5544
water line.....5545
water wheel.....5546
Grab bucket cranes.....3362
bucket hoists.....6196
buckets 1597
hooks 6339
irons 6733
links 7481
Grabs, nail.....2632
oyster 5547
stone (see hooks, grab)6339
Grade indicating meters.9723
Graded crushed marble..9566
Grader, ditcher & loader, combined 3859
Graders, barley.....5548
elevating (see road machines & graders)..12532
grain 5549
railroad, reservoir, etc..5550
rice 5551
road 12532
seed corn.....5549
Grading machines, coffee.8066
wagons 16572
& cleaning machinery, grain 8381
& cleaning machines, green pea.....8392
& packing machines, fruit 8341
Gradometers (see meters, distance recording)..9715
Graduated roofing slate.12732
terra cotta roofing tile.12748
Graduating machines....8380
Graduators, chemical glassware 5552
thermometer 5553
graham mills 9780a
Grain alcohol (see alcohol, ethyl) 112
bags 392a
binders (harvesters & binders) 5966
bins 820
blenders 393
car loaders.....7505
cleaning & grading machinery 8381
cradles 3344
disc drills.....4036
doors 3934
drill discs.....3834
drill points 11342
drill springs.....13994
drill tubes.....16078
drills 4035
dryers 4122
elevator builders.....5553
elevator conveyors.....3112
elevator machinery & appliances 8382
elevator tanks (see tanks, grain storage) 14767
elevator & wagon dumps, portable.....5554
fan machines.....8383
floats 4874
graders 5549
harvesters 5966
headers 5979
hoppers (see hoppers loading) 6430
lifter guards.....5693
registers 12304
samplers 12389
scoops 13076
scouring & polishing machines 8384
separators 13302
shovels, power.....13592
spouts 13975
steamers 14192
storage tanks.....14767
tank blocks 909b
tanks (see tanks, grain storage) 14767
temperers 14942

No.

Grain testers 14981
testing scales.....13034
unloaders 16234
weighers loaders & baggers 16735
weights (see weights, precision) 16740a
& fertilizer drills, combined (see drills, grain) 4035
Graining brushes (see brushes, paint).....1554
machines, wood.....9467
tools 15733
Grains, emery 5554a
& brick rubbing.....5555
Granite, black.....5556
building work, cutters & contractors.....5557
chemically pure 5557a
column cutting machines (see stone cutting machines).....9208
column lathes (see stone polishing machinery) 9211
columns, polished.....5558
crushed (see stone, crushed) 14337
cutters' hammers (see hammers, stone cutters') 5798
cutters' tools.....15734
cutters' tools, pneumatic 11312
dealers 5564
drills 4041
green 5559
ligonier 5560
monumental work.....5557
paving blocks 10774
polishing lathes (see machy., stone polishing) 9211
polishing wheels.....16790
producers 5564
producers, pink.....5562
producers, red.....5563
sand 12898
sawing machines.....8385
seam face.....5565
workers 5564
Granulated aluminum.... 132b
cork for insulation (see insulation, cork).....6651
gold 5525c
rawbone 12173
silver 13699c
zinc 17133b
Granulating machines....8386
machines, clay.....8387
machines, coffee.....8388
machines, sugar.....8389
machines, tobacco.....9328
Granulators 5565a
Grape canners (see canned goods) 1829
grubbing hooks.....6340
pickers (see pickers, fruit) 10846
shears 13427
stemmer & crushing machines 8390
Graphite 5566
bearings 676
brushes 1547
bushings 1711
cements 2250
commutator 5568
compounds 2934
crucibles 3445
discs 3835
electrotyping 5569
lubricants 7617
lubricators 7632
miners & refiners.....5567
oils (see lubricating oils & greases).....7621
paints 10551
products 5572
stoppers (see stoppers, plumbago) 14370
tubes 16074
Graphometers 5574
Grapnel anchors..... 160b
Graphophones (see talking machines).....9244
Grapple hay forks.....4971
hooks 6341
Grapples, log (see hooks, grapple) 6341
Grappling irons.....6734
Grass catchers.....2205
handles, hook 5841b
hooks 6342
matting 9626
seeders 13276
shears 13446
Grate bar mfrs.....5575
dealers 9547
mantel & tile dealers.9547
settings 5576
shakers (locomotive grate) 13376
Graters, apple (see apple grating machines)...7685
horse radish.....5577
nutmeg 5578

No.

Grates 167
boiler (see grate bar mfrs.) 5575
cellar 5579
dumping 5583
fenders & mantels.....5580
furnace 5042
gas, parlor.....5581
hollow blast (see grate bar mfrs.).....5575
"McClave" 5582
portable 5582
rocking 5575
Grates, shaking & dumping 5583
stove 5583a
traveling link.....5584
ventilating, exterior wall 5584a
ventilating, fireplace...5585
water 5585a
& rests, farmers', etc..5586
Grating machines, apple.7685
Gratings, iron & steel....5586a
Grave covers, slate (see burial cases & vaults, slate) 1663
Gravel, bird.....5587
conveyors (see conveyors, coal & ash handling) 3103
dealers 12907
dryers 12908
elevators (see conveyors, coal & ash handling) 3103
elevators, hydraulic...4276
heaters 12908
loaders & screening outfits, portable.....11389
pans 10602
plants, complete (see sand handling plants) 12899
screens 13156
surface roofing.....12716
washers 16635a
washing machines 8390a
washing screens.....13143
washing & screening plants 5588
Gravity carrier tubes...16075
carriers (see conveyors, gravity) 3113
conveyors 3113
conveyors, spiral 3115
drop hammers, pneumatic 5785a
dump cars.....2033
elevators 4272
filters 4739
incline machines.....8391
lamps 7169
railways 12130
screens 13144
stamps 14128
tramways 15859
& pressure tanks.....14767a
Grease, airoiline 5589
axle 5596
bags 393
boxes, plumbers'.....1235
buckets 1598
cable & elevator shaft.5590
cake making machines 8391a
cans (see cans, tin).....1375
cup lubricants.....7617a
cup lubricators.....7637
cups, automobile.....8497a
extractors 4506
gear 5591
guns 10247
percolators 10816b
presses 11553
proof paper.....10670
proofing paper compound 2922c
rolling mill.....5593
syringes 10247
tanners' 5594
traps 15397
wire drawing.....5595
wool (see degras).....3686
& oil extraction percolators 10816a
Greases, lubricating.....7621
special 5595a
& oils, axle 5596
Greek marble.....9570
Green bone cutters.....3559b
granite 5659
malachite 9522
marble 9571
paris 10744
pea cleaning & grading machines 8392
soap 13807
vitriol (see copperas)..3190
Greenhouse architects (see architects, horticultural) 227
builders 5598
fittings 4812
glass 5453a
heating 6068
materials 5597
putty 12037
sash 12921

No.
Greenhouse valves 16324
ventilating apparatus .16475
Greenhouses, conservatories & hot houses...5598
Grenades, hand.....5599
Grey iron castings.....2169
Griddles, cast iron, stamped steel.....5600
electric 5601
soapstone 5602
Grids, resistance.....12375
Grille balls 461a
fret & lattice work wood 5603
or fret work (for the trade only).....5604
Grilles (see cooking apparatus), 3147; (also cooking apparatus, electric) 3143
brass & bronze.....5605
cast iron 5605a
perforated metal 5605b
steel 5606
wrought iron.....5606
Grinder chucks.....2513
valves 16325
Grinders arsenate of lead.5607
band saw.....5608
band wheel 5608a
bench 5609
center 5610
chisel 5611
chuck work (see grinders, surface) 5651
cinder 5612
clay (see clay grinding machines) 8040
cock 5613
cone 5616
corn & cob (see mills, corn & cob).....9780
crackling 5614
crank 5615
cup 5616
cutter 5638
cylinder 5617
die 5618
disc 5619
drill 5620
edging 5621
electric 5622
electric portable (see grinders, portable) .5636
emery, tool.....5623
face 5651
feed (see mills, feed grinding 9790
fertilizer fish.....5623a
floor 5624
foot & hand power.....5625
for woodworking tools.5625a
garbage 5625b
gauge 5625c
heavy face 5625d
hole 8449
hub 5616
huller knife 5626
internal 5627
knife & scissors.....5628
lathe center.....5629
lawn mower (see sharpeners, lawn mower)13388
material for fertilizer.5630
mill pick 5631
mower knife.....5647
oilstone 5632
paint, dry material..10524
pan 5633
paper mill.....5634
plain tool.....5623
planer knife.....5635
portable 5636
radial, ball race-way..5637
reamer & cutter.....5638
ring 5639
ring wheel.....5640
roll 5641
rotary shear.....5642
rubbish 5642a
sample ore.....5643
sand 5644
saw 5645
saw (band saw).....5608
sawdust 5645a
scissors 5628
shaving 5645b
sheer knife.....5646
sickle 5647
silversmiths' 5648
skate 5649
surface 5651
swing frame.....5652
tap 5653
tool (see grinders, emery tool), 5623; (also grinders, wet tool)...5659
tool, emery.....5623
tool post.....5654
tool, wet.....5658
track rail.....5655
universal 5656
valve 5657
vertical 5658
wet tool.....5659
wood pulp.....5660

No.
Grinding attachments, cam 279
compounds, valve.....2951
cylinders 3633a
external & internal....5661
heads 6003
lathes 7271
lathes, optical.....7286
machinery 8392a
machinery, spring.....9183a
machines, ball 8393
machines, burr cylinder 8394
machines, car wheel..8396
machines, card.....15039
machines, clay.....8040
machines, flint (see mills, ball & pebble).9761
Grinding machines, form cutter 8396a
machines, hob cutter..8396a
machines, ink (see mills, ink grinding)..9801
machines, nail die & springs 8397
machines, quartz (see mills, quartz).....9814
machines, rail.....8398
machines, silex (see mills, ball & pebble).9761
machines, spiral cutter.8401
machines, tobacco knife 9331
machines, tumbler.....9360
machines, universal (see grinders, universal) 5656
mills, charcoal.....9770
mills, chemical.....9793
mills, cork 9779
mills, dry color 9783
mills, feed.....9790
mills, glue 9796
mills, hay (see mills, feed grinding).....9790
mills, ink.....9801
mills, leather 9805
mills, lime 9805a
mills, nut.....9808
mills, roller.....9817
mills, snuff 9823a
mills, spice 9823d
mills, sugar (see mills sugar cane) 9827
mills, talc 9823a
pans (see pans, dry; also pans, wet) 10595 & 10617
pans, foundry 10597a
rolls 12675
wheel hoods.....6297
wheel shields 13518a
wheels (see emery & corundum wheel mfrs.) 4298
wheels, Aloxite.....16768
& corrugating roll....12606
& crushing mills.....9797
& mixing machinery, paint 8691
& mixing machines, rubber 8968
& polishing machines..8402
& polishing machines, tube 9355
& pulverizing works...5662
Grindstone boxes & frames 5662a
fixtures 5663
spindles (see grindstone fixtures).....5663
truing devices.....5664
Grindstones 5665
kitchen 5666
Grip hoists for hand elevators 6197
pipe vise 16506
Griplock, chains.....2332
Grippers, guy.....5667
Grips, bicycle 5667a
cable 5668
handle bar.....5669
motorcycle 5670
pipe 5671
socket strain relief....5672
steering lever.....5673
wire (see clamps, lineman's splicing).....2596
Grist mills, hand power..9798
Grit (mica quartz).....5756
surfaced roofing 12716
Grits, hominy.....5677
Grizzlies (rock crusher)..5677a
Grizzly bars..... 571
screens 13144a
Grocers' funnels.....5037
measures 9649
scoops 13074
Grommet inserting dies & cutters 5678
knobs 7069
rings 12451
setting machines.....8408
Grommets, metal.....5679
Groomers, live stock vacuum 5679a
Grooved idlers.....6528
pulleys 11741

No.
Groovers, belt.....5680
sheet metal.....5681
Grooving attachments, planer 5681a
heads 5999
machines 8404
machines, oil spiral....9167
machines, roll.....8943
machines, sash.....9012
machines, tinners'.....9314
plows 11193
saws 12977
Ground, bone 1134
cones 3023
connection clamps.....2582
cork 3217
detectors 3722
glass 5454
key cocks & bibbs.....2849
lime 7451
limestone 7459
mandrels 9532
Ground mica.....9745
mole traps.....15898
soapstone 13819
throw stands, automatic 14144
wire clamps (telephone wires) 5682
& hardened automobile parts..... 327
& hardened machine parts 7666
& hardened mandrels..9532
Grounding devices.....5682a
Grounds, metal.....9671
Grout mixers.....9872
Grub hoes.....10856
Grubbing hooks, grape...6340
machines 8405
Guaiacol 5683
Guard chains, platform.2360a
rail brace & tie plate combined 5684
rail clamps.....2583
rail fasteners.....4559
rails 12123
spikes 13919c
Guards, arc lamp globe..7141
automobile 4645
belt hole 15008
belts (see guards & safety devices, machinery) 5708
burner 5685
car 1920
car wheel.....1919
cattle, for railways....5686
concrete curb (see concrete curb, steel bound) 2933
corner 5706
door 5687
dust 5688
dust, journal box.....4171
electric lamp (see lamp guards) 7140
emery wheel.....5689
engine 4227
extractor 5690
flower bed 5690a
foot 5691
gear 5692
grain lifter.....5692
hub 5694
hydro-extractor 15210
jointer 5695
key hole.....5696
lamp 7140
machine wire.....5707
machinery 5708
manhole 5697
motor cycle chain & sprocket 5698
mower & reaper.....5699
mud 5700
mud, automobile.....4645
nose football 5701
portable lamp (see lamp guards).....7140
punch press (see guards & safety devices, machinery)...5708
radiator, wire.....12098
razor 5701a
roof, snow 12710
safety car.....5702
saw 5703
shaper 5704
shuttle 15377
skylight 5704a
snow, roof.....12710
tree 5704b
trolley 5705
wheel 5706
wheel (car wheel).....1919
window 16870
window cleaning.....16865
wire machine.....5707
& gates, elevator folding 4241
& gates, elevator, Pitt-Bostwick novelty & composite patents.4242
& safety devices, perforated metal for....5708a
Gudgeons 5709

No.
Guide cards.....1964
irons 6696
liners, locomotive.....7575
pulleys 11742
punches 12002
sheaves for conveyor belts 13461
wires 15192
Guides, belt.....5710
cloth dryer.....5711
elevator 5712
flask 5712a
lever 5713
porcelain & enameled.15193
saw 5714
spooler 15406
tank valve.....5715
thread 15194
wire mill.....5716
Guillotine shears.....13425
Gulland, automatic water valves 16326
Gum, arabic importers..5717
artificial 5717a
Gum benzoin 5717b
box 5717c
British (see dextrine).3730
Congo 5717c
copal (see varnish gums) 16438
core packing 10454a
damar (see varnish gums) 16438
elemi 5717d
envelope 5718
ester 5718a
finishing 5719
gaskets 5207
karaya 5719a
kauri (see varnish gums) 16438
-lac 5722
lumber 7654
Manila 5719c
mastic 5719d
pine (see chemicals)...2437
pontianak 5719e
rubber stamp 5719e
sandarac 5719f
senegal 5719g
splicing, pure rubber...5720
substitutes 5721
Tragacanth 5721a
tape machines.....8406
Gummed cloth 2752
labels 7088
paper 10671
tapes 14836
Gummer cutters 3560
Gummers, gin saw.....8367
saw 5722
Gumming machines, paper box 8711
Gums 5723a
varnish 16438
Gun barrel drilling machines 8226
barrel reaming machines 8407
barrel turning machines 8408
caps (see ammunition). 155
carriages 1974
cleaners 2660
cleaning & reloading tools 15735
cotton 5723b
fire control system.....5724
holsters 6290
mfrs. 12414
metal castings 2170
nipples 10141
powder (see powder mfrs.) 11454
powder cans.....1346
powder machinery.....8409
powder presses 11553a
recoil pads, rubber....5727
screws 13200
sights 13633a
springs 14019a
stock lathes 7272
stock machinery.....8410
stocks 14333a
tubes 16076
turning & boring lathes.7273
wad cutters.....3561
wrapping wire.....16942
Guns 12414
aeroplane 5728
cement 5729
fire department.....5729a
grease 10247
harpoon 5729b
insect 5730
line throwing.....5731
machine (see ordnance, light & heavy).....10373
oil 10247
shot 12414
spray 5731a
toy 5731b
yacht (see cannons, yacht) 1830
Gusset cutters 15105
plates 11094
Gut tennis racket strings 14436
Gutta percha 5732

INDEX

IMPORTANT The Numbers in this Index refer to the Classification direct and not the Page Number.

INDEX

No.
Gutter crossing plates..11095
forming machinery....8411
strainers 14425
& step finishing tools.15728
Gutters, rain (See Conductor Pipe & Eaves Trough Mfrs.)
Guy anchors 161
clamps 2584
derricks 3702
grippers 5667
rods 12542
wire rope 16969a
Gymnasium equipment..11159
rings 12452
Gymnastic apparatus.... 205
"Gypsteel" studding ...14503
Gypsum 5733
machinery 8412
tile 15587
Gyrating fans, electric..4534a
Gyrators 5734
Gyratory rock & ore crushers 3458
H-acid 32b
Hack saw blades.....12932
saw blades, flexible back 12930
saw blades for metal.12931
Hack saw frames.....12932
saw machines.....8414
saw wire, steel.....16991
saws 12932
saws, bench.....12978
saws, hand 12980
saws, rotary ..... .12978a
Hackle pins.....15195
Hackles (see combs, circles & fallers).....15073
Hafts, awl (see awls, harness) 338
Hair, badger.....5736
brushes 1548
cattle 5737
clippers, barbers'.....2701
cloth mfrs.....5738
combs 2908a
curled 5739
dryers 15131
dryers, electric 5740
drying combs.....2909
felt 4620
felt insulation (see felts, hair).....4620
goat 5741
horse 5742
insulators 6668
machinery (see curled hair machinery).....8163
mats 9609
mattresses 9632
pickers 15316
pin wire.....16943
pin & comb machinery.8092
pinching irons.....6735
pins 10902a
plastering 11046
receivers 12217a
springs 14020
washers 15459a
washing machines.....8415
Half surface butts 1747g
Hall clocks, English.....2728
Halowax 5742a
Halter chains.....2333
swivels 14630
trimmings 15960
Halters 5743
Ham boilers.....1027
branding machines....8416
preserving pumps.....11867
presses 11554
stringers 14485
tryers 16063
twine 16196
wrapping paper 10672
Hame chains.....2334
chimes 2449
clips 2711
fasteners 4560
hooks 6343
loops 7609
rivets 12514
staples (see clips, hame) 2711
straps 14457
strings 14487
terrets 14969
tips 15627
tug plates.....11096
Hames, hard rubber covered 5744
mine & lumbering.....5745
steel & wood.....5746
Hammer crushers.....3455
dies, chilled.....3760
drills, brick & stone (see drills, brick & stone) 4018
drills, pneumatic.....11282
forges 4927a
handles 5842
handles, hickory.....5845
head cranes 3362a
mills, swing 9828
straps 14458
Hammered iron, refined.6702
Hammering machines, die plate 8178
No.
Hammers, air (see pneumatic hammers)....11283
alloy 5773
automobile 5776
beading, pneumatic...11263
belt driven 5747
bench drop.....5749
blacksmiths' 5769
blacksmiths' foot power 5750
board drop.....5751
boilermakers' (see hammers, heavy).....5769
boilermakers', pneumatic 11263a
brass 5752
bricklayers' 5778
bush 5798
calking, pneumatic ...11270
carpet layers'.....5753
casting scaling (see pneumatic scaling hammers) 11306
chain welding 5754
chipping 5755
chipping, pneumatic..11270
claw (see hammers, nail) 5780
Hammers, concrete tooling 5757
confectioners' 5758
coopers' 5759
copper 5760
doubling 5762
drilling 5769
drop, bench.....5749
drop, board.....5751
drop forged 5764
drop 5763
electric 5765
engineers' 5766
farriers' 5767
foot power 5768
forging, pneumatic...11281
granite cutters (see hammers, stone cutters') 5798
heavy 5769
helve 5770
horseshoers' 5767
interchangeable 5771
justice 5772
lead & alloy.....5773
locomotive frame welding 5774
macadamizing 5775
machinists' 5776
magnetic tack, etc....5777
marble cutters' (see hammers, stone cutters') 5798
masons' 5778
mill 5779
nail 5780
napping (see hammers, heavy) 5769
pavers' 5781
piano 5782
pile drivers'.....5783
plow 5766
plumbers' 5785
pneumatic 11270
pneumatic beading...11263
pneumatic boilermakers' 11263a
pneumatic chipping & calking 11270
pneumatic forging....11281
pneumatic gravity drop5785a
pneumatic scaling ...11306
power 5786
prospecting 5787
pulverizer 5788
rawhide (see mallets, rawhide) 9526
riveting 5789
riveting, rotary.....5790
saddlers' 5791
saw makers'.....5792
saw setting.....5793
scaling, pneumatic....11305
shoemakers' 5794
slaters' 5795
steam 5797
stone cutters'.....5798
striking (see hammers, heavy) 5769
tack 5799
tanners' marking.....5800
tile setters'.....5801
tinners' 5802
tire welding (see tire welding machines)..9322
trimmers' 5791
trip 5803
upholsterers' 5804
upholsters & trimmers.5804a
vacuum 5805
Hammock bars 571a
chains 2335
hooks 6344
mfrs. 5806
stretchers 14479a
Hampers, automobile.... 612
clothes 5806a
Hand ball court balls.... 462
barrows 551a
bells 717
No.
Hand bending machines.8417
bending rolls 12656
blowers 942
boring machines.....7821
buffers, electric.....1628
car engines 4371a
car wheels.....16786
cards 15047
cars 2034
cars, tower.....2072
carts 2094
carts, street cleaning..2103
chasers 2422a
cleaners 2661
corn planters.....11031
cups, rubber (see cups, force, rubber) 3497
drills, geared.....4017
dryers, electric (see machinery, air drying)7676a
elevator grip hoists....6197
fids 4685
fire engines.....4762
fire pumps 11849
forks 4969
grenades 5599
hack saws.....12980
hay rakes.....12138
hoists 6198
hole cutters.....3562
hole cutting machines. 8418
hole punches.....12005
lacing frames.....15173
lamp burners 1679
lamps, engineers' & machinists' 7170
lathes 7274
looms 15256a
made chains 2336
made spikes.....13920
milling machines.....8603
mirror backs..... 369
mirrors 9849
paper cutters.....3577
picked nails.....10063
pipe cutters.....3580
power angle iron cutting machines.....7680
power benders, angle & eye 777
power bending rolls..12656
power cranes.....3363
power drills.....4038
power elevators.....4273
power grinders.....5625
power ore crushers....3459
power planing machines 3309
power punch & shear combined 11977
power punches.....12004
power punching presses 11614
power riveters (see pneumatic compression riveters).....11271
power rock crushers...3459
power shears 13428
power transfer tables.15861
power winches 16852
presses 11555
presses for rubber mfrs. 11556
prospecting drills.....4050
pumps 11868
rail braces.....1314
rail brackets.....1334
rail screws.....13202
rails 12124
reamers 12195
rests for lathes.....5807
riveting machines.....8929
rock drills.....4060
saw screws (see screws, saw) 13221
screw machines 9038
saws 12979
screw presses.....11557
screws 13201
seed garden sowers & drills 13891
seed sowers.....13889
shearing machines.....8419
soap 13808
soap cans 1844a
spacing tables.....14663
squeezing machines ..9185
stampmakers' machinery 8420
stokers 14335b
strippers (see cards, hand) 15047
tally registers.....12305
taps 14855
taps, machinists'.....14863
tools, machinists' (see machinists' tools & supplies) 9503
torches 15813
traveling cranes.....3364
trucks 16023
trucks, two wheel, etc.16023a
vacuum cleaners.....16248
velocipede, motor cars.2033a
vises 16525
& belt power elevators combination 4259
No.
Hand & foot power woodworking machinery..9486
Handcuffs & twisters....5808
Handkerchiefs, bandana..5809
Handle bar, grips.....5669
bars 572
blank sawing machines.8421
blanks 880a
drags for fishing reels.3978
ferrules 4667d
knives 6982
machinery, broom.....7839
machinery, cant-hook..7961
machinery, plow.....8833
machinery, shovel.....9109
machines, box.....7857
machines, pail.....8689
machines, wire.....9429
polishing machines....8423
scales 5809a
scroll machines.....8424
throating machines....8425
tumbling machines....8426
turning lathes.....7275
wedges 16723
Handles, agricultural tool.5838
air brake (see handles, brake or controller)..5817
artists' brush 5809b
Handles, ash can.....5815
auger 5810
automobile 5811
automobile crank 5811a
awl 5812
axe (see handles, hickory) 5845
baby carriage.....5813
balance 5813a
bark spud.....5814
basket 5814a
bell 5814b
bicycle 5814c
bill poster 5814d
bit brace 5814e
bit, malleable iron.....5814f
boiler 5815
boiler, wash 5879b
bone 5816
box 5816a
brake or controller....5817
brake, ratchet (see handles, brake or controller) 5817
broom 5818
brush 5819
cane 5820
canthook & peavey....5821
car coupling 5822
carpet sweeper.....5823
carriage door.....5824
casket & coffin.....5827c
chest 5825
chisel 5826
churn 5827
circuit breaker.....5827a
cleaver 5827b
coffin & casket 5827c
controller 5817
controller regulating (see handles, brake or controller).....5817
cooler 5828
cork 5829
cork screw 5829a
crank 5830
currycomb 5831
cutlery 5831a
"D" 5832
damper 5832a
detachable tool 5832b
dipper 5832c
dish mop 5832d
door .....5832e & 11761
drawer .....5832e & 11762
drop 5833
ebony 5833a
electric switch.....5834
emery wheel dresser...5835
enameled wood.....5836
fan 5837
farm, tool, ash.....5838
file 5838
fishing rod 5839a
fly killer 5839b
force cup 5840
fork ash 5838
garage door 5840a
garden floral sets.....5840b
gas cock 5840c
gas taper.....5841
gimlet 5841a
grass hook 5841b
hammer 5842
hammer, hickory.....5845
hard rubber 5843
hatchet, pick, plane, etc. 5843a
hay knife.....5844
hedge, shear.....5844a
hickory 5845
hollow tool.....5845a
horse clipper.....5845b
hydrant 5845c
ice hook.....5846
ice pick & ice shave...5846a
imitation stag 5847
incandescent lamp guard 5847a

No.
Handles, insulated.....5848
ivory 5849
kettle 5849a
knive, corn, shoe, kitchen, etc. 5849b
ladle 5849c
lather brush.....5850
lawn mower 5850a
leather 5851
lever 5851a
lubricator 5151b
lug hook (see handles, canthooks & peavey).5821
machine 5852
machine wood.....5853
manicure instruments..5853a
microphone 5854
milk can.....5815
mop 5855
oven door 5855a
package 5856
pail 5857
painters' brush.....5858
parasol 5820
peavey 5821
percolator 5858a
phonograph crank.....5858b
Handles, pike pole (see handles, canthook & peavey) 5821
plow 5859
pocket knife.....5860
porcelain 5861
portable lamp 5361a
post hole digger.....5862
pull, water closet.....5862a
putty knife.....5862b
rake, ash.....5838
rasp (see handles, file).5839
ratchet 5863
ratchet brake (see handles, brake or controller) 5817
razor 5863a
revolver 5864
rubber stamp.....5864a
sad iron.....5865
saw 5866
screw driver.....5867
shaving brush.....5867a
shoe brush.....5868
shovel, ash.....5838
shutter 5881
sledge 5845
soldering copper.....5869
soldering iron.....5869
spade, ash.....5838
store door (see locks & knobs, door).....7566
switch (electric switch)5834
table knife.....5860
tack puller.....5870
tea & coffee pot.....5870a
timber carrier (see handle, canthook & peavey) 5321
tire pump.....5870b
tool 5871
tool, detachable 5832b
tool, hollow.....5845a
torch light.....5872
tray 5873
trowel 5873a
trunk 5873b
tub 5874
umbrella 5820
vacuum cleaner.....5876
valve 5877
wagon 5878
wall scraper 5879a
wash boiler 5879b
whisk broom 5879c
white metal.....5880
window brush.....5880a
window & shutter.....5831
wire drop.....5882
wood 5883
wood enameled.....5836
wood, special 5869a
wrench 5883a
& rollers, lawn mower.5884
Hands, clock & watch...5885
indicator 5885a
meter 5885a
toy 5885a
Handspikes 5886
Handtraps for throwing clay targets.....5886a
Hangars, aeroplane 5886b
Hanger boards..... 976
bolts 1082a
machines, eave trough.8255
parts, bearing..... 677
screws 13203
Hangers, arc lamp (see insulators, arc lamp).6663
ball bearing.....5906
box & fixture 5895a
bracket 5908a
building bracket.....5887
cable, electric 5895
calendar 5888
coat 2786b
concrete 5889
conductor pipe 5890
conduit 5891
cut-out 5892
door (see door hangers, various kinds)

No.
Hangers, door, no track-sliding 3894a
eave trough.....5894
electric cable.....5895
fixture & box 5895a
garage door 5895b
garment 5896
gate 5896a
harness 5897
hinge & rail.....5898
joist 5899
messenger 5900
mine 5901
or stirrups.....14327
picture (see hooks, picture) 6364
pipe 5902
plate 5903
post 5908a
rail 5898
ring oiling.....5904
roller 5905
roller & ball bearing...5906
running board.....5910
screen 5911
self-oiling 5907
Hangers, shaft 5908a
shaft, ball bearing.....5908
shaft, pressed steel....5909
step 5910
sterm sash & screen...5911
thermometer 5888
trolley wire.....5912
window screen 5912a
Hanging hooks.....6345
lamps 7171
Hank winding machines 15483
Hanks, jib.....5913
Harbor & River Dredges.3994a
Hard fibre.....4680
fibre bearings (see fibre hard) 4680
fibre bushings.....1712
fibre condenser ferrules.4666
fibre gaskets 5208
fibre gear wheels.....16784
fibre heads.....6000
fibre machinery.....8297
fibre packing (see fibre, hard) 4680
fibre receptacles.....12225
fibre rods (see fibre hard) 4680
fibre switch bars.....14563
fibre tags.....14699
fibre tubing.....16104
lead cocks.....2820a
oil finish.....5914
rubber 12787
rubber acid pumps....11790
rubber buckets.....1599
rubber covered hames.5744
rubber fitting 4812a
rubber handles.....5843
rubber cocks.....2821
rubber lathes.....7276
rubber rulers.....12806
rubber specialties....12794a
rubber tanks.....14765
rubber trays.....15921
rubber tubing.....16105
rubber tumblers.....16144
waste breaking machines 15024
wax floor polish.....4885
Hardened automobile & ground machine parts 7666
& ground mandrels....9532
& ground piston pins..10909
Hardeners, concrete.....5915
floor 5915a
Hardening, case 2108
cylinders 3639
furnaces 5046
machines, felt.....8291
powders 11462
steel 14224
& tempering (see also case hardening, 2108) 5916
Hardies 5917
Hardness testing instruments 6628
testing machines.....9280
Hardware bags..... 394
boxes 1237
boxes, shelf.....1277
builders' rustless.....5918
desk 3717
display fixtures 4827
from architects' designs 5919
garage 5919a
light box 5919b
machinery 8427
mfrs. 5920
mfrs., automobile 5926
mfrs., automobile top..5921
mfrs., awning 5922
mfrs., bag.....5938
mfrs., billiard table....5923
mfrs., builders' (see hardware mfrs.).....5920
mfrs., cabinet.....5924
mfrs., car.....5925
mfrs., carriage.....5926
mfrs., carriage top....5921
mfrs., casket.....5927
mfrs., fire door.....5928

No.
Hardware mfrs., furniture (see hardware mfrs., cabinet) 5924
mfrs., marine.....5930
mfrs., metal window...5931
mfrs., piano player....5932
mfrs., piano & organ...5933
mfrs., pivoted window.5934
mfrs., saddlery.....5935
mfrs., screen door (see index for specific article wanted).
mfrs., stationers'.....5936
mfrs., theatre stage...5937
mfrs., trunk.....5938
mfrs., upholstery.....5939
mfrs., wagon.....5926
paper 10673
phonograph 5939a
pole line 5939a1
refrigerator 5939b
Hardware show case.....5939c
special designs 5939d
store fixtures 5939e
trimmings, porcelain (see porcelain specialties) 11387
wholesale 5940
Hardwood doors.....3935
flooring 4889
lagging 7137
lumber (see lumber)..7648
lumber, Southern.....7657
work, interior (mfrs. & erectors) 6686
Harness awls..... 338
buckles 1619
chains 2337
coal mine, etc.....5942
contractors' 5943
dressing 4000
figures 7394
frames 15174
hangers 5897
hooks 6346
leather 7361
letters 7394
machinery 8428
makers' knives.....6933
mfrs. 5946
menders 5944
needles 10113
oil blacking (see dressing, carriage top, harness, etc).....4000
oils 10305
ornaments 10409
polish (see dressing, carriage top, harness, etc.).....4000
presses 11558
repairing riveters.....12495
rings 12452a
rings, bone.....12453
rings, composition.....12454
rings, iron.....12455
rings, rubber.....12456
riveting machines.....8429
rosettes 12771
sewing machines.....8430
snaps 13795
soap 13809
straps 15196
studs 14505
tools 15736
trimmings 15961
twine 16197
Harnesses, loom.....15197
Harpoon guns.....5729b
hay forks.....4971
Harpoons 5947
Harps, trolley.....5948
Harrow attachments, rotary 301
attachments, sulky.... 291
carts 2095
discs 3836
points 11343
teeth 14899
tooth clamps 2585
& cultivator combined.5949
Harrows, alfalfa.....5950
boss 5951
disc 5952
spading 5954
spring tooth.....5955
toothless 5956
& pulverizers.....5957
Harvester attachments, bean 276
Harvesters 5958
bean 5959
blue grass.....5960
broom corn.....5961
combined 5962
corn 5963
pea 5964
potato (see diggers, potato) 3814
rice 5965
& binders, corn.....3226
& binders, grain.....5966
Harvey grip bolts.....1083
Hasp locks.....7541
Hasps, automatic & safety 5966a
basket & crate.....5966b
wrought steel.....5966c

No.
Hasps, hinge (see hasps & staples) 5967
Hat bags..... 395
block lathes.....7277
blocks 910
boxes 1237a
cleaners, motor driven 2662
dies 3774
dryers 4123
felts 4621
hooks cast.....6322
hooks, wire.....6323
leather 7361f
pegs 10784e
pin holders.....16461a
racks 12069
sewing machines 9065
trimmings 15962
& coat hook machines, automatic (see wire forming machines)...9427
ventilators 16482b
Hatch doors, automatic..3936
fasteners 4560a
gates, automatic (see elevator gates, automatic) 4240
rings 12457
Hatchet mfrs.....5968
handles 5843a
Hatchets, candy.....5969
lathing (see hatchet mfrs.) 5968
shingling (see hatchet mfrs.) 5968
Hatfield steel castings..2192
Hats, miners' (see caps, miners') 1903
palm leaf.....5971
Hatters' jacks.....6776
machinery 8431
valves 16327
Haulage engines.....4372
rope (see wire rope & cables) 16975
& transmission wire rope 16969b
Hauls, car.....5972
log 7599
Haversacks 5973
Hawks, plasterers'.....5974
Hawse pipes.....10992
reels 5975
Hawsing irons 6735a
Hay carrier tracks.....15852
carriers 1988
cutter knives 6985
elevators 1988
fork pulleys.....11743
forks, derrick.....4970
forks, grapple.....4971
forks, harpoon 4971
forks, lock lever.....4972
grinding mills (see mills, feed, grinding) 9790
hoisting singletrees...13704
hooks 6330
knife handles.....5844
knives 6984
loaders 7506
presses 11484
rack clamps.....2586
rack fixtures.....4828
racks 12071
racks, iron & wire...12070
rake teeth (see teeth, rake & tender).....14901
rakes, hand.....12138
rakes, revolving.....12139
rakes, side delivery...12140
rakes, sulky.....12141
rickerts (see rakes, sweep) 12144
rope 12757
slings 13779
stackers 14087
tedders 14890
unloaders 16234
unloading machinery...8432
unloading tools 5975a
windrowers 16889
Haying tools.....15738
Head blocks, stiff leg..... 922
chairs, steel plate.....5976
frames 5007
gate hoists.....6199
sets, radio 5976a
Header attachments..... 292
knives 6986
trucks 16004
Headers, barrel.....5977
binder attachments for. 277
bolt (see bolt heading machines) 7788
fruit can.....5978
grain 5979
pipe, welded 10941d
rivet (see rivet heading machines) 8921
welded 5979a
Heading chipping machines 8433
jointer & doweling machines 8434
jointing machines.....8435
machinery 7733

INDEX

INDEX

No.

Heading machines, bolt..7788
machines, can.....7931
machines, rivet.....8921
machines, rod.....8942
machines, screw.....9034
planing machines.....8810
rounding machines.....8436
sawing machines.....8439
saws 12998
turning machines.....8437
upsetting & forging machines, combined.8438
& bending machines, wire spoke.....9438
& pointing machines, picket 8773
& shingle sawing machines 8439
Headless screws.....13204
Headlight controls, automobile 3074a
dimmers, automobile..3815c
glasses 5454a
lenses, automobile 7385
oils 10306
Headlights, acetylene gas 5980
arc (see electric car)..5983
automobile 5982
electric car.....5983
electric mine locomotive 5983a
incandescent (see headlights, electric car)..5983
locomotive 5984
oil 5985
Headrods 5986
Heads, beam, pressed steel 660
boiler, flanged & dished1008
boring 5987
buffing 5988
casing 5989
coke scraper 5990
crimping 5991
cutter 5992
cutter, mining machine 5993
cylinder (see cylinder & tank shells).....3625
dado 5994
die 5995
drill, "Diexco".....4008
drilling 5996
exhaust 4469
flanged 5997
golf 5998
grinding 6008
grooving 5999
hard fibre.....6000
index & dividing.....6002
jointer 6003
leader 6004
piston 6006
planer 6007
polishing 6008
power working.....6009
railway 15832
shaper 6010
stone boat (see fronts, stone boat).....5029
trolley pole.....6011
turret 6012
wax (see window display fixtures).....16866
Headstones, slate 14672c
Health insurance (see insurance accident).....6678
Hearses (see ambulances) 143
Heat boilers, waste.....1041a
deflectors 3684b
exchangers 4468a
generators, hot water..5422
proof moulded insulation 6655
regulators 12334
resisting castings 2170a
resisting materials....6013a
resisting paints (see paints fire resisting)10546
switches 14586a
transformers 15867
treated parts 6013b
treating apparatus 6013c
treating machines, electrical 8265a
treating pots (see heat treating apparatus)..6013c
treating, steel 6013d
utilizers, waste (see fuel economizers)....5031
Heater brushes 1544a
brushes, hot water 1550
cords (see cords, flexible) 3199
fittings, car 4801
Heaters, acetylene (see stoves, acetylene)..14396
air 6014
air-tight 6015
alcohol (see stoves, alcohol) 14398
asphalt 6016
automatic water.....6053
automobile garage.....6017
automobile & carriage.6018
barrel 6019

No.

Heaters, bath water.....6054
brooder 6036
car, coal 6020
car, electric.....6026
car, vapor system.....6021
carriage 6018
circulation water.....6022
combination 6023
concrete 6023a
curling iron.....6024
electric 6025
electric car.....6026
electric rivet 12492a
electric rivet 6026a
electric water.....6056
exhaust 6027
feed water.....6028
fire place 6029
fuel oil.....6030
Heaters, gas 6031
gas, for tailors' irons..6032
gas holders 6032a
gas jet.....6033
gas, steam & hot water radiation 6034
glue 6035
gravel 12908
hot water 6045
incubator 6036
instantaneous water...6057
juice (see heaters, sugar juice).....6048
ladle 6037
lamp chimney.....6037a
laundry water.....6038
locomotive tire (see furnaces, tire heating) 5128
marine, hot water.....6038a
meal 6039
metering 6038b
milk 6038c
noiseless 6038d
oil 14420
open, feed water 6038e
orchard 6040
pitch 6016
refrigerator car.....6041
rivet (see furnaces, rivet heating) 5114
rivet, electric.....12492a
rod, electric 12541a
sad iron.....6042
sand 12908
schoolroom 6042a
soldering iron.....6043
steam tube.....6044
steam & hot water....6045
steam & hot water radiation 6034
sterilizing, electric.....6047
stock 6050
storage 6047a
sugar juice.....6048
surface 6049
tank 6050
tar 6016
tire 6051
tuyere iron.....6052
unit 6052a
water, automatic.....6053
water, bath or tank....6054
water, coil.....6055
water, electric.....6056
water, garbage burning 5185
water, instantaneous...6057
Heating apparatus, car & locomotive 6058
apparatus, hot blast...6059
apparatus, steam.....6045
asphalt surface 6016a
boilers 1027a
boilers, house (see heaters, steam & hot water) 6045
coils for steam or hot water heating.....6060
contractors, steam & hot water.....6061
devices, electric.....6062
engineers, consulting...6070
engineers, contracting (see heating contractors, steam & hot water).....6061
forges 4928
forges, rivet.....4933
furnace brick.....1487
furnaces 5083
furnaces, billet 5052
furnaces, gun barrel...5081a
furnaces, magnet.....5096
furnaces, plate.....5105
furnaces, rivet.....5114
furnaces, tire.....5128
greenhouse 6063
Ingot 6590a
machines 8440
pads, electric.....6064
paul system of steam..6065
stoves, coal 14414a
stoves, wood 14414a
systems 6065a
systems, exhaust steam 6065b
systems, fan 6065c
systems, hot water, Hornung's differential6065d

No.

Heating systems, hot water, self-regulating 6066
systems, oil heating....6066a
systems, vacuum.....6067
tanks, asphalt (see heaters, asphalt, etc.)6016
thermometers 15508
valves, vapor 16421
vapor systems.....6068
& ventilating engineers, consulting 6070
& ventilating engineers, contracting...6061
& water supply boilers.1027b
Heavy chemicals 2440a
face grinders 5625d
forged steel shafting.13362
freighting wagons....16573a
Heavy hammers 5769
mill friction clutches..2778
& light ordnance.....10373
Heck stands.....15198
Heddle frames.....15175
Heddles 15199
braided 15200
jacquard 15201
steel 15202
wire 15203
Hedge knives.....6987
shear handles.....5844a
shears 13446
trimmers 15943
Heel bolts.....1084
building machines.....8441
burnishers 1699
chains 2338
cushions 3518
lifters 7416
plates 11097
shaves (see knives, shoe) 7038
stiffeners 14310
Heels, rubber.....6071
shoe, wood.....6072
Height gauges.....5287
Hektographs (see duplicators) 4165
Helical cut gears.....5383
cut gear drives.....4086a
springs 14021
Heliographic printing...14532
Helium gas 5195
Helm indicators.....6560
Helmets, asbestos 6073
sand blasting 6074
smoke & ammonia.....6075
Helve hammers.....5770
Helves, axe.....5845
Hematine 6076
Hemlock extracts 4512
lumber (see lumber mfrs., etc) 7648
Hemp clad wire rope...16969d
cordage (see twine hemp) 16198
core wire rope.....16969e
packing 10455
rope 12758
twine 16198
& jute importers.....6077
Herb cabinets 1756c
Herringbone cut gears...5384
Hexachlorethane 6077a
Hexagon nuts.....10217a
nuts, brass.....10191
reels 12264
Hexamethylenetetramine.6078
Hickory dowels, coopers.3968
handles 5845
lumber 7654a
Hide preservatives.....11466a
stamping machines...8442
tacks 14687
& leather working machinery 8443
High carbon steel.....14225
carbon steel rolls.....12676
concentration evaporators 4447a
duty pumping engines.4397
explosives 4488a
intensity magnets 9513a
pressure, cast iron pipe2138
pressure fittings (see fittings, hydraulic)..4813
pressure hose connections 6452
pressure natural gas valves 16329
pressure oil pumps....11869
pressure packing 10455a
pressure pipe, flanged.10941
pressure piping.....10998
pressure steam turbines, automatic....16151
pressure steel tanks..14808a
pressure system pipe..10941e
pressure tanks.....14789
pressure, testers 14983
pressure valves.....16328
service pumps.....11869a
speed bearings 678
speed chain sprockets.14054
speed chains, silent running 2339
speed metal cutting machines 8107a
speed steel.....14226

No.

High speed steel furnaces 5084
speed steel knives.....6988
speed steel reamers..12197
speed steel reamers, twisted (see reamers, high speed steel)...12197
tee rails.....12122
temperature cement ...2250
tension pins.....10903
tension supports.....14535
tension winding.....16860
vacuum pumps for packing houses.....11870
voltage D-C rectifiers.12248a
voltage switches.....14587
Highway crossing alarms (see signals, railway crossing) 13652
crossing bells (see signals, railway crossing) 13653
Hillers, celery 6080
potato .....6081 & 11418
Hillside plows.....11204
swivel plows.....11204
Hinge, balls 463
gauges 5265
hangers 5898
hasps (see hasps & staples) 5967
lugs 7644
machinery (hinge & butt) 8444
mfrs. 6082
pins 10904
plates 11098
rings 12458
rivets 12515
springs 14022
Hinged cover boxes 1238
Hinges, automobile door (see hinges, concealed) 6094a
automobile hood & lamp 6083
awning 6084
back flap.....6084a
bag & suit case.....6084b
ball-bearing, steel butt 6084c
bed lounge.....6084d
beer case 6085
blind & shutter.....6086
box 6087
box stall.....6088
butt 6089
cabinet 6089a
casement window.....6090
cellar door.....6091
chest 6092
cigar box.....6093
closet door, spring....6126
closet seat.....6094
concealed 6094a
continuous 6095
corrugated 6095a
crate 6096
double-acting spring..6128
drain board.....6097
end gate 6098
engine house.....6099
extension 6100
fire shutter.....6102
floor 6103
friction 6104
garage 6105
gate 6106
invisible 6109
lavatory spring.....6130
mirror 6110
office gate.....6111
ornamental 6112
piano & organ.....6113
pivot 6114
plate 6115
port 6115a
refrigerator 6116
screen door 6117
screen door, holdback.6119
screw hook & eye.....6120
screw, hook & strap...6121
sewing machine.....6122
show case.....6123
shutter 6086
spring, bank & office railing 6124
spring butt.....6125
spring closet door.....6126
spring door.....6127
spring, double acting..6128
spring, iron railing makers' 6129
spring, lavatory.....6130
spring, marble work...6131
spring, safe makers'....6134
spring, single acting...6135
spring, wrought brass & bronze door.....6137
spring, wrought steel..6138
stay 6139
storm window (see hangers, storm sash & screen).....5911
strap & T.....6140
suit case 6140a
surface 6141
surface, floor.....6142

No.
Hinges, table.....6143
tail board 6143a
trunk 6143b
wardrobe 6143c
wash tray.....6144
washing machine.....6144a
wire 6145
wrought brass corrugated 6145a
wrought steel butt....6146
& butts 17473
Hinging machines, box..7858
Hip rolls, terra cotta (see roofing tile, terra cotta) 12746
Hitching chains.....2340
hooks 6347
Hitching post caps.....1898
posts 11401
rings 12459
snaps 13796
weights 16739
Hitchings, mine car.....6147
screw 6148
Hob cutter grinding machines 8396a
taps 14856
Hobbed pinion rod.....10879a
Hobbing machines, gear.8362
Hobs, bolt cutter.....6149
die 6150
gear 6151
worm 6153
Hockey sticks 14300
Hod elevators.....4274
hoisting machines (see elevators, hod).....4274
Hods, brick.....6155
coal 6154
mortar 6155
Hoe mfrs.....6157
rolling machines.....8445
Hoeing machines, tobacco 9329
Hoes, asphalt patching..6158
cultivator 6159
garden, wheel.....6160
grub 10856
horse 6161
motor 6162
onion 6163
scuffle 6164
steel 6164a
Hog casing cleaning machines 8446
chains 2341
farrowing houses.....6482
feeders 4606
fences 4636a
gambrels 5180
holders (see tongs, hog) 15675
hooks 6342
knives 6989
nose cutters (see ringers, hog) 12427
oilers 10258
ringers 12427
rings 12460
scalders 13003
scraper chains.....2342
scrapers 13110
tamers 14718
tongs 15675
troughs 15983
Hogs, saw mill.....6165
Hogshead machines, tobacco 9330
presses 11559
trussing machine (see barrel trussing machine) 7725
Hogsheads 6166
Hoist chains.....2343
controllers, electric....3056
cranes 3364a
hooks 6349
Hoisting bails 428
chains, laminated.....2347
crabs 3341
drums (see engines, hoisting) 4373
engines 4373
engines, contractors'...4374
engines, gas or gasoline 4368
engines, mine.....4376
engines, pneumatic....4377
engines, portable.....4378
machinery 3447
machinery, air..... 98
machinery, pneumatic & electric.....8448
machines, hod (see elevators, hod).....4274
motors 9976
singletrees, hay.....13704
standard wire rope...16969f
towers, concrete 15835
towers for coal & ore.15834
tubs 16132
Hoists, air 6166
air cylinder (see pneumatic hoist).....11284
air motor (see pneumatic hoists).....11284
air, pneumatic (see pneumatic hoists)..11284
Hoists, ash.....6167
ash can 6168
auto, dump body operating 6169
beef 6170
belt 6171
blast furnace (see hoists, steam).....6212
block 6208
body dumping (see hoists auto, dump body operating).....6169
builders' (see hoists, contractors' material 6183
builders' electric.....6174
Hoists, cableway 6175
cargo 6175a
cellar 6176
chain 6177
chain, electric.....6188
chain, pneumatic.....11284
chandelier 6178
coal handling.....6179
coal, incline traveling.6180
combined with trolley.6181
concrete bucket.....6182
contractors' material..6183
derrick 6184
dock & deck.....6185
drum 6186
electric 6187
electric, builders' (see hoists contractors' material) 6183
electric chain.....6188
electric mine (see hoists, mine).....6203
electric monorail 6189
electric, reversible friction 6190
electric traveling.....6191
electric trolley (see hoists electric traveling) 6191
elevator 6191a
friction & flat friction..6192
furnace 6193
furnace door.....6194
gasoline 6195
geared pneumatic....11289
grab bucket.....6196
grip, for hand elevators 6197
hand 6198
head gate.....6199
hod (see elevators, hod) 4274
hydraulic 6200
log 6202
mine 6203
mine, electric.....6203
monorail tracks 9928b
oil 6204
paper 6205
pneumatic 11284
pneumatic chain.....11284
pneumatic, geared....11284
portable 6206
quarry 6207
rope 6208
sand, pneumatic.....6208
scaffold 6210
scraper 6210a
sidewalk (see elevators, sidewalk) 4288
skip 6211
spud 6211a
steam 6212
suction pipe.....6213
telescopic 6214
telpher (see telpherage, electric conveying)..14941a
tie 6214a
traveling 6215
traveling electric 6191
trolley (see trolleys & trolley tracks, overhead) 15981
trolley, electric (see hoists electric traveling) 6191
trolley, pneumatic 11284
wheelbarrow (see hoists, contractors' material) 6183
Hold open stop check valves 16329a
back-loops 7610
backs, crucible 6216
screen door hinges....6119
Holder-on, rivet, pneumatic 11299
Holders, automobile tire.6217
bag 6218
battery 6219
bit brace 6220
blanket 6221
blotter 6222
bobbin 15013
bottle 6623
broom 6624
brush 6225
candle 6227
car door 6228
car wheel 6229
carbon 6230
card & label.....6231
Holders, carriage curtain.6232
check (see holders, tickets) 6272b
china 6233
christmas tree.....6234
cigar & cigarette.....6234a
clothes line.....6234b
concrete 6235
copy 6236
cord, electric iron.....6237
cotter pin 6238
crayon 6239
dash rein 6241
diamond 6242
dictionary 6243
Holders, die & tap.....6244
door 3898
drill 6245
dry battery (see holders, battery).....6219
electric lamp 6247
extension bit.....6248
flag pole (see brackets, flag pole).....1331
flower 6249
garage door.....6249a
gas 5196
globe 6266
hat pin.....16461a
hog (see tongs, hog)..15675
iron 6250
knurl 6251
label 6231
lantern 6252
lowerers & lifters, pipe 10951
match box 6253
menthol 6253a
milk bottle.....6254
milk jar.....6254
mine tie (see tools, railroad track) 15770
mop 9929
music 10035
note book, stenographers' 6256
oil can.....6257
paper sheet 6258
pen, writing 6259a
pencil 6260
phonograph record, wire 12227
pillow sham.....6260a
pipe nipple.....6261
punch 6262
rein (see holders, dash rein) 6241
rod 6263
sack (see holders, bag) 6218
sad iron (see handles, sad iron).....5865
sash 6264
shade or globe.....6266
sign 6268
soda glass.....6269
spice jar.....6270
stake 6271
stenographers' note book 6256
syrup 6272
tap 6244
telephone (see brackets, desk telephone).1328
test tube.....6272a
ticket 6272b
toilet paper.....6273
tool, etc.....6274
tooth brush.....6275
toothpick 6276
towel 6277
trace 6278
tumbler, etc.....6279
tumbler, wire.....6280
twine 6281
umbrella 6282
whisk broom.....6283
wire 6284
Holding or counterweight drums 4096a
Hole cutting machines, marble 8572
fuse plugs.....11217b
Holes, man ship.....9543a
screw 6285
Hollow augers 311
augers 311
axles & shafts..... 364
balls 464
balls, stoneware 475a
blast grates (see grate bar mfrs.).....5575
brick 1438
building block machinery (see clay building block mach'y) 8038
building blocks 911
building tile 15587
chisel bits..... 884
chisel mortising machines 8450
drill rods.....12565
drill steel 14226a
forgings 4949
handle tool sets.....15739
metal door frames.....5005a
Hollow metal fire doors, swinging type 3928
metal interior trim....6687
metal passenger car doors 3945
metal trim, interior...6687
mills 9799
mills, adjustable.....9757
mortising chisels.....2470
mortising tools (see chisels, hollow mortising) 2470
punches 12006
screw rings.....12461
Hollow seamless steel shafting 13363
set screws.....13222
shafts & axles..... 364
steel window 16385a
tile blocks..... 912
tile, building 15588
tile, fireproof.....4780
tool handles 5845a
Holloware (see enameledware; also aluminum holloware & sub-classifications following)
aluminum 133
cast iron.....6286
nickel plated.....6287
silver plated.....6288
stove 6289
Holly wire glass.....5483
Holsters, gun & pistol...6290
Homatropine 6291
Homeopathic vials.....16501
Hominy 6292
canners (see canned goods) 1829
grits 5677
machinery 8451
Hones, razor.....6293
Honey box sections.....13272
canners (see canned goods) 1829
comb foundation machines 8452
extractors 4501
frames 5002a
kits 6918
Hood fasteners 4560b
lacing, automobile.....7098a
Hoods, automobile (see hoods, motor).....6298
buffing wheel.....6297
forge 6295
galvanized sheet steel.6296
grinding wheel.....6297
laboratory 6297a
motor 6298
polishing wheel.....6297
slasher 15204
spray 6299
& fixtures, electric lamp 6300
Hoof, dressing.....4001
dryers 4124
hooks 6350
nippers (see parers, hoof) 10743
packing 10456
parers 10743
planes (see parers, hoof) 10743
shears (see parers, hoof) 10743
testers 14932
trimmers (see parers, hoof) 10743
Hook bands, spindle....15393
benders 779
brassiere 6329a
gage (see recorders, water level) 12243
handles, grass.....5841b
head bolts.....1036
tags 14700
& eye benders..... 779
& eye bolts.....1037
& eye hinges, screw...6120
& eye machinery.....8454
& eye screws.....13205
& eye wire.....16944
& eyelet setting machines 8455
& ladder trucks.....16024
& saw, pruning.....12946
& strap hinges, screw.6121
Hookaroon picks.....10854
Hookaroons 6301
Hooks, agricultural.....6302
automatic tripping.....6303
awning 6304
back band.....6305
bale (see hooks, cotton, box, etc.).....6330
barrel 6306
basket 6331
beam 6307
belt (see belt fasteners) 725
bench 6308
bill file.....6309
bird cage.....6310
blind 6310a
block, yacht.....6311
boat & mooring.....6312

INDEX

INDEX

No.

Hooks, box (see hooks, cotton, box hay, etc).6330
brace (hook & eye)...6409
brass 6410
bush 6313
button (see buttoners, shoe & glove).....1729
cabin door.....6314
cant 1884
cargo, safety.....6314a
carrying 6315
casing 6399
ceiling 6316
cellar door hinge.....6317
chain .....6358 & 6380
chandelier 6316
choker 6318
clam 6319
clinker 6320
clothes line.....6321
coat & hat, cast.....6322
coat & hat, wire.....6323
coke scraper.....6324
conductor pipe.....6325
coring 6326
corn 6327
corner bind.....6328
cornice 6329
corset 6329a
cotton & box.....6330
crane (see hooks, hoist) 6349
crate & basket.....6331
crochet 6331a
cross chain 6331b
cup 6378
desk 6332
drapery 6333
drayman's 6330
drive 6334
eight 6374
end auto side chain..6334a
ess (see hooks "S" or "eight") 6374
fire pail 6335
fish 6336
fishing, weldless.....6403
floor 6337
gaff 6338
gate 6412
glove (see buttoners shoe & glove).....1729
grab 6339
grape grubbing.....6340
grapple 6341
grass 6342
hame 6343
hammock 6344
hanging 6345
harness 6346
hat, cast.....6322
hat, wire.....6323
hay 6330
hitching 6347
hog 6348
hoist 6349
hoof 6350
husking 6351
ice 6352
insulated 6353
jack 15213
lacing (see studs, lacing) 14506
ladder 6354
lamp (see hooks ceiling & chandelier) 6316
lift (see lifts, sash)...7426
lime 6356
log 7600
loom 15205
lug 6358
lumbermen's 6359
manure 6370
meat 6360
mine car.....6361
molding (see hooks, picture) 6364
mud 6362
packing 6363
paint pot 6363a
picture 6364
pipe 6365
pivot 6366
plate 6415
plumbers' pot.....6368
pole, fire department..6369
potato, manure, etc....6370
pulley 6371
razor strop.....6372
reed 15206
releasing, life boat....6373
"S" or eight.....6374
safety, for mine cages.6375
sash curtain rod.....6376
sash pull 6377
school house (see hooks, coats & hat).6322
screw 6378
seat spring.....6379
shackle 6380
shave 6381
sign 6382
singletree (see hooks, whiffletree) 6404
slip 6383
snap 6384
stable door.....6385

No.

Hooks, stay chain.....6386
steel 6410
stone hoist 6387
strap 6388
swamp 6389
sweat pad.....6390
switch 6391
swivel 6392
"T" 6393
tag 6394
tanners' vat.....6395
tassel 6364
tent (hooks & eyes)...6413
tourniquet 2391c
tower 6397
towing 6398
tripping, automatic....6303
tubing 6399
tug 6400
typewriter, ribbon 6400a
wall 6401
wardrobe (see hooks, coat & hat cast, 6322; also hooks coat & hat wire) 6323
weeding 6402
whiffletree 6404
window pole.....6405
wire 6406
wire rope.....6407
wrecking 6408
& eyes, brace.....6409
& eyes, brass & steel .6410
& eyes, dress.....6411
& eyes, gate.....6412
& eyes, tent.....6413
& eyes, wire.....6414
& rings, plate.....6415
& staples, wrought steel 6416
& tees, chain.....6417
Hoop applying machines 3924
brass 1383
bronze 1383
drivers, coopers'.....4081
driving machines (barrel hoop) 7732
fasteners 4561
flaring, punching & shearing machines...8456
iron & steel.....6712
knives 6990
machine knives.....6991
machinery 8457
machines, wire barrel..9420
nailing machines.....8458
nails 10064
punching machines....8459
riveting machines..... 8460 & 8930
stapling machines.....8461
Hoops, coiled elm.....6418
embroidery 6418a
fish net.....6419
iron & steel (see iron & steel band & hoop)...6712
mast 6420
rolling 6420a
sieve 6420b
slack barrel.....6421
tambourine 6421a
toy rolling 6421b
truss 6422
truss 6423
tub, iron.....6423
welded steel.....6425
wire 6424
Hop bars..... 573
furnaces 5085
plows 11194
presses 11560
Hopper cars.....2035
clamps 2587
cocks (see valves, hopper) 16330
door mechanism 6425a
doors 3938
gates (see doors, hopper) 3938
scales 13035
valves 16330
Hoppers, adjustable measuring 6425a
ash 6426
car closet 6427
cement 6426
closet 6428
coal 6426
floor 6428a
for power plants.....6429
grain 6430
loading 6430
receiving 6430a
steel 6430b
weighing 6431
& bells, furnace.....6432
Horizontal boring & drilling machines....7833
drilling machines.....8227
force pumps.....11853
metal boring machines.7825
presses 11561
punching machines....8877
tapping machines.....9258
tube evaporators.....4448

No.

Horn bulbs, automobile..1646
buttons 1736
combs 2910
insulation 6654
presses 11562
switches 14588
working machinery....8462
Horning presses.....11563
Hornung's hot water differential heating systems 6065d
Horns, automobile.....6433
bicycle (see horns, automobile) 6433
cattle 6434
dinner 6435
electrical 6436
factory 6436a
fire signal 6436b
fog 6437
phonograph 6438
shoe 6439
Horns, shoe, fibre.....13546
shoe, metal.....13547
Horse bits (see bits, bridle) 830
blanket fasteners (see holders, blanket).....6221
blanket pins (see pins, blanket) 10890
blankets 872
boots, lawn.....1147
brushes 1549
cards, cotton & wool..1963
clamps 2588
clipper handles.....5845b
clippers 2702
clipping machines.....8463
clipping shears.....13430
collar fasteners (see fasteners, hame & collar) 4560
collar machinery.....8464
collar pads.....10489
collars 2871
covers 3327
feed bags 396
hair 5742
hair plumes.....11257
hoes 6161
lawn mowers.....7330
muzzles 10038
nails 10065
oils 10307
power pumping outfits.11784
power road rollers....12632
powers, contractors'...6440
powers, sweep.....6441
powers, tread.....6442
radish graters.....5577
rasps 12154
shoe calks (see toe calks, steel).....15657
shoe iron.....6697
shoe machinery.....8466
shoe pads, leather....10490
shoe pads, rubber.....12788
shoe taps.....14857
shoe toe calks (see toe calks, steel).....15657
shoers' vises.....16526
shoes 13558
shoes, rubber.....13557
spurs 14061
stocks 14334
tail ties.....15563
ties 15563
tooth files 4699
Horseshoers' hammers...5767
Horticultural architects.. 227
Hose, acid.....6445
air 6445a
air brake.....6446
air drill.....6447
band couplings.....3301
bands (see clamps, hose) 2589
braided 6448
braiding machines, rubber 8969
brewers' (see hose, garden, etc.).....6460
bridges 1477
cabinets 1756d
car heating.....6449
carriage & carts.....6450
chemical 6451
chemical engine 6453
clamps 2589
clamps (air hose).....2539
cleaners 2663
cocks 2822
cocks, air brake hose.2797
connections 3027
connections, high pressure 6452
connectors (see couplings, hose).....3300
corrugated tank 6453
corrugated tender (see hose rubber) 6467
cotton 6454
couplers, steam & air...3282
couplings 3300
couplings, pneumatic.11285
covering 6455
discharge 6464a
dredging 6456

No.

Hose, duck.....4150b
engine & tender.....6456a1
expanders 4480
filling station 6456a
fire 6457
flexible metallic.....6458
flexible steel armored..6459
garden, steam, mill, etc. 6460
gasoline 6461
linen 6462
machines, rubber mill.8467
making machines, rubber 8970
menders 9663
metallic, flexible.....6458
mill .....6460 & 6464
nipples 10142
nozzles 10174
oil 6464a1
oil suction & discharge 6464a
Hose, oxy-acetylene....6464a2
paint spray 6464b
pipes 10993
poles mandrels 9532a
pneumatic tool (see hose, air drill).....6447
pole mandrels.....9532a
protected (see hose wire wound) 6474
racks (garden hose)..12068
radiator 6465
reducers 12264
reels (fire hose) (see reels & racks, fire hose) 12278
reels (garden hose)...12268
rivets 12500
rotary drill 6466
rubber 6467
sand blast 6467a
sand sucker 6468
sprinklers 14048
steam 6468
steam drill.....6469
steel armored, flexible.6459
strainers 14430
straps 14459
submarine 6470
suction 6471
suction & discharge, oil 6464a
tank (see hose, garden, steam, mill, etc.).....6460
tank car unloading.....6472
tender, corrugated 6459
vacuum cleaners (wire wound) 6474
valves 16331
vulcanizers 16549
wagon nozzle 10172
wagons 16574
water 6473
wire wound.....6474
wiring machines, rubber 8971
Hosiery bands.....15207
boarding machines, automatic 15207a
boards 15208
elastic surgical.....6475
fabric testing machines 9281
knitting machines....15222
labels 15207
presses (see clothes pressing machines)..8053
striping attachment..15209
tom-toms 15437
winders 15476
Hospital annunciators... 176
beds 699
blankets, rubber..... 875
furniture 5145
nurse signals.....13647
stretchers 14480
Hot air apron dryers...15133
air clothes dryers.....2756
air furnace, steel shells 13498
air furnace tops.....15797
air furnaces.....5087
air furnaces, gas for fuel 5086
air pumping engines...4398
air registers 12307
air tanks.....14769
bed sash.....12931
bed thermometers....15509
blast gas stove burners.1680
blast heating apparatus 6059
blast stoves 1439
blast valves.....16332
boxes 1233a
coke conveyors.....3116
die steel 14226b
forge nut machines....8468
houses 5598
metal cars.....2036
metal conveyors.....3117
metal ladles (see ladles, open hearth & Bessemer plant).....7132
metal mixers.....9372
pan lifters 7417
plate presses.....11564

No.

Hot plates, electric gas, etc. 11099
pressed nut machines..8660
pressed nuts.....10206
process galvanizing....5172
rolled seamless steel tubing 16106
rolled stock straightening & cutting machinery, automatic..8469
rolled strip iron.....6698
rolled strip steel.....14227
sawing machines.....8470
soda apparatus, automatic 6476
water bath canners (see canning apparatus)..1829b
water bottles, metal...1168
water discs.....3837
water generators.....5423
water equalizers 4429
Hot water heat generators 5422
water heater brushes..1550
water heaters.....6045
water heaters, marine..6038a
water heating contractors 6061
water heating systems, self-regulating 6066
water, Hornung's differential heating systems 6065d
water meters.....9724
water radiation heaters 6034
water radiators.....12102
water registers.....12308
water regulators.....12335
water storage steel tanks 14809
water tank regulators (see regulators, hot water) 12335
water tanks (see tanks, steel, hot water storage) 14809
water thermometers (see thermometers, steam & hot water).15516
well pumps.....11871
well thermometers....15510
& cold presses.....11564a
Hotel calls (see annunciators) 176
cooking apparatus (see cooking apparatus)..3147
key tags.....14701
kitchen utensils (see cooking apparatus)..3147
ranges 12150a
wardrobes, ventilated..16615
ware, polished steel, etc. 6478
& kitchen outfits, 6478a & 3147
Hounds, bent.....6479
House bells..... 713
brackets, electric.....1329
deodorizers 3693a1
heating boilers (see heaters, steam & hot water) 6045
movers' rollers.....12619
numbers (see numbers & letters, metal.....10183
pumps, electric.....11843
raising jacks.....6777
raising screws.....13190
safes 12855
wreckers (see building materials, second-hand) 1643
Household, cement, waterproof 2237a
dyes 4177c
furniture 5145a
ironing machines.....8490
lamps, brass.....7172
lamps, glass.....7173
paints 10563d
pumps 11872
reminders 6481
stills 14317
water stills.....14324
Houses, farrowing, hog..6482
pole or pilot.....6484
portable (see houses, sectional) .....6484b&c
portable metal (see houses, sectional, metal) 6484b
ready cut 6484a
sectional metal 6484b
sectional wood 6484c
summer 14530
summer, iron.....14530
Housings, axle.....6485
iron & steel, for rolling mills 6486
valve 6487
Hub augers..... 318
band bending & truing rolls 12677
band nails.....10066
bands 494
bolts 1087a
boring bits..... 835

No.

Hub boring machines....7822
caps 1899
flanges 4847
grinders 5616
guards 5694
machines, banding....7727a
mandrels 9533
mortising & boring machines 8472
reamers 12199
spoke & rim machinery 8473
Hubs, automobile, ball & roller bearing.....6488
bicycle 6490
carriage wheel.....6491
motor cycle.....6490
Hubs, picture film reel...6491a
wagon wheel.....6491
Huck towels.....15826
Huller attachments, clover 280
knife grinders 5626
scraper stamping 14122b
Hullers, alfalfa.....6492
bean 6495
clover 6492
cotton seed.....6493
or blanchers, peanut..6494
pea & bean.....6495
strawberry 6496
Hulling machinery, pea..8756
machinery, rice & coffee 8915
machines, buckwheat..8474
Hulls, steel dredge, etc...6497
Humidifier tanks 14769a
Humidifiers, cigar & tobacco 6498
Humidifying apparatus..6499
nozzles 10168
regulators 12335a
Humiditors 6500
Humidity controllers (see regulators, humidity) 12335a
Humidors, cigar.....6500a
Humidostats (see humidifying apparatus).....6499
Humus 6500b
Hungarian nails.....10067
Hunters' axes..... 351
Hunting boots.....1148
knives & dirks.....7062
Huntington mills.....9800
Huskers, corn.....6501
& shredders, corn.....6501
Husking cots.....3245
gloves 5509
hooks 6351
machines, corn.....8123
pegs 10785
pins 10905
wrist bands 17111
Hydrant chains 2343a
clamps 2590
cocks 2823
fire chains 2326
handles 5845c
rods 12566
washers 16655
wrenches 17079
Hydrants, fire 6503
fire boat.....6504
fire, crane attachment..6505
wall 6506
yard & wash.....6507
Hydrate, ammonium.....6508
of alumina (see alumina) 128
of barium..... 515
of barytes (see barium hydrate) 515
terpine 14962a
Hydrated lime.....7452
Hydrating machinery, lime 8555
Hydrators, lime.....7452a
Hydraulic accumulators.. 7
ash ejectors.....4198
automobile tire presses 11479
back pressure valves..16333a
banding & stripping presses 11567
bending machines.....7759
cements 2237
cocks 2823a
compressors for web or "T" rails, etc.....2964
cranes 3865
crank pin presses.....11568
cylinders 3640
dredging machinery....8212
dredging pumps (see pumps, sand & dredging) 11928
elevator service pumps 11876
elevators 4275
fittings 4813
flanging presses.....11569
forcing presses.....11570
forging machines (see presses, hydraulic forging) 11571
forging presses.....11571

No.

Hydraulic forgings 4950
forming machines.....8334
four column presses...11572
gauges 5288a
giants 5433
gold dredges.....3993
gravel elevators.....4276
hoists 6200
indicators 6561
jacks 6778
keel plate bending machines 8501
lead pipe presses.....11573
leather 7362
leather belting presses 11574
lifting riveting machines 8932
Hydraulic lifts 7419
lime 7453
macaroni presses.....11575
machinery 8474a
mining machinery.....3619
mining nozzles.....10175
oil 10240a
operating valves 16334
packing 10457
packing, metal.....10458
paints 16687
pipe 10942
pipe bending presses..11576
pipe line couplings....3303
pipe, steel riveted.....10943
portable presses.....11577
presses 11565
presses, four column..11572
presses, portable 11577
presses, pneumatic ...11605b
pressure controlling valves 16335
pressure pumps.....11877
projectile or shell banding presses.....11613
proving pumps.....11878
pulley presses.....11578
pulling presses.....11579
pulpit valves.....16336
pumping engines.....4399
pumps 11874
punching machines....8878
rams .....6509 & 12148
recording gauges.....5289
regulators 12336
riveters, steam.....12496
riveting machines.....8931
riveting machines, portable 8933
rubber vulcanizing presses (see presses, vulcanizing) 11659
shears 13431
spring bending presses.11580
spring machinery 9183b
spring stripping machines 9184
steel riveted pipe.....10943
testing machines 9282
turbines 16152
valves 16333
weights 16739a
wheel presses (see presses, car wheel).11502
Hydriatic apparatus.....6510
Hydrocyanic acid 32f
Hydro-carbon 6511
-carbon burners.....1681
-carbon gas 5197
-carbon incandescent lamps 7178
electric piping (see penstocks) 10813
-extractor covers.....3328
-extractor guards 15210
-extractors 15211
-pneumatic cylinders...3641
-pneumatic pumps....11881
-pneumatic tanks.....14770
-turbine compressors...2965
acid plants 45a
Hydrochloric acid 32e
Hydrochloride aniline.... 173a
Hydrocyanic acid 32f
Hydrodeliks 6512
Hydrofluosilicic acid 33a
Hydrogen 6513
cylinders 3642
gas compressors.....2970
generators 5426
dioxide 6513a
peroxide 6413b
plant equipment 10440a
tanks (see cylinders, hydrogen & oxygen).3642
Hydrogenated oils 10307a
Hydrographic charts.....2422
Hydrogrounds 6514
Hydrokineters 6515
Hydrometers 6516
Hydrone 6517
Hydrophants 6518
Hydroquinine 6519
Hydrosilicofluoric acid.... 34
Hydrostatic wheel presses 11581
Hydroxide aluminum.... 134a
of ammonia..... 147
Hydrosulphite sodium...13855h
Hygrometers 6520
Hypernic extracts 4512a

No.

Hypo, black..... 851
Hypochlorite, calcium...1799c
sodium 13855g
Hypodermic needles.....10114
syringes 14633
Hypophosphite calcium..1799d
Hyposulphate of soda (see sodium hyposulphate) 13855h
sodium 13855h
Hyposulphide of lead (see lead hyposulphide)..7339a
Hyposulphite of soda (see sodium hyposulphate)13855h
sodium 13855h
Hypsometers 6524
I beam punching machines 8879
beams, steel 14198
Ice augers.....15740
awls (see picks, ice)..10855
axes 352
bags 396a
bags, rubber 12789
bars 574
box drains.....3985
breakers 1391
can fillers 4715
cans 1847
caps, rubber 12789
chests (see refrigerators) 12290
chipping machines.....8475
chippers 2461
chisels 2471
choppers (see breakers, ice) 1391
chutes, recording.....2541
cleavers 2691
conveyors (see ice handling machinery).....8481
cream biscuit machines.8476
cream brine freezers...5018
cream cabinets.....1757
cream can scrapers...13111
cream cans.....1848
cream cone machinery.8476
cream dishes.....3846
cream freezers.....5019
cream machines.....8477
cream mixers.....9874
cream scoops (see dishes, ice cream)...3846
cream spoons.....13959
creepers 3421
crushing machines.....8478
cube cutting machines.8479
cutting machines.....8480
dumps 4161
elevating machinery...8481
elevator chains (see chains, conveyor).....2315
elevators (see ice handling machinery).....8481
handling machinery....8481
harvesting tools.....15740
hook handles 5846
hooks 6352
house builders 9529
machines 8485
machines family 8482
machines, portable.....8483
pans 6525
pick & ice shave handles 5846a
picks 10855
planers, elevator.....11018
plows 11195
recording chutes.....2541
runs 12833
saws 12982
scales (see balances, spring) 436
scoops 13077
shavers 13398
shredders 13608
skates 13717
tanks & pans.....6525
tongs 15676
tools 6525a
trucks 16025
wagons 16575
recording machines....8484
& refrigerating coils (see coils, ammonia).2853
& refrigerating machines 8485
Iceless refrigerators....12292
Ichthyol 6525b
Icing systems, refrigerator car.....6526
Idlers, belt conveyor.....6527
grooved 6528
Igniter levers.....7405
Igniters, delay electric...6529
gas & gasoline engine..6530
Igniting tubes.....16077
Ignition apparatus.....6530a
batteries 651
cable 1773
coils (see coils, spark).2860
springs, starting & lighting 14022a
systems 6530a
Illuminated dial gauges..5290
signs, electric 13665
thresholds for elevators 6531

INDEX

INDEX

No.

Illuminating oils.....10308
Illuminators, oven.....6532
Ilmenite 6532a
Imitation platinum 11155
stag handles.....5847
stone wall finish.....16608
Impact nozzles 10175a
Implement covers.....3319
mfrs., agricultural..... 92
Implements, farm 4542a
Importers, asphalt..... 262
bitumen 845
burlap 1666
carbolineum 1936
cement 2231
ceresine 2285
chamois 2413
china wood oils.....10288
Importers, color 2885
copal gum (see varnish gums).....16438
corkwood 3225
damar gum (see varnish gums).....16438
gum arabic.....5717
Italian marble.....9573
ivory 6761
Kauri gum (see varnish gums) 16438
marble 9572
mosaic cube.....9942
naphthol 10105
onyx 10361
ozokerite wax.....16703
pumice stone.....11781
steel 14223
talc 14712
tile 15589
witherite 17022

Impregnating compounds.2939
vacuum process.....6533
& drying apparatus, vacuum 16249
Impregnators, fabric.....6534
Incandescent electric car lamps (see lamps, incandescent electric)..7175
electric lamps 7175
gas burners.....1682
gas lamps.....7176
gas mantles 9555
gasoline lamps.....7177
headlights (see headlights, electrical car)5983
hydro-carbon lamps....7178
kerosene lamps.....7179
lamp bases..... 596
lamp bulbs.....1647
lamp coloring.....2887
lamp cords (see cords, flexible lamp, etc)...3199
lamp filaments.....4689
lamp guard handles...5847a
lamp making machinery 8486
lamp replacers.....12368
lamp turndown attachment 6535
lamps, electric, car (see lamps, incandescent, electric) 7175
lamps, portable.....7181
lamps, renewed 7183
light globes.....5501
light mantle, chemicals 2441
miniature lamps.....7180
portable electric lamps.7182
portable lamps.....7181
street series lamps....7184
vapor gas lamps.....7185
Incinerating dishes 3847b
Incinerators, garbage (see garbage disposal plants).....5186
night soil & refuse....6536
platinum 6537
rotary 6538
toilet 6538a
Inclinable presses.....11582
Inclinators, carboy (see rockers, carboy)....12541
Incline cableway engines.4379
drums 4097
elevators (see stairways, moving).....14111
machinery 8487
machines, gravity.....8391
planes 6539
railways (see stairways, moving).....14111
rollers 12620
traveling coal hoists...6180
Inclined separators vibrating 13304
Inclinometers 6540
Increasers, closet spud..6541
Incubator heaters.....6036
lamps 7186
thermometers 15511
Incubators, bacteriological 6542
& brooders.....6543
Indelible ink tags.....14702
inks 6609
Indemnity bond insurance 6680
Indenting presses.....11582a

No.

Independent condensers (see condensers, steam) 3005
Index bristols (see cardboards) 1961
cards 1964
centers 2276
heads 6002
milling machines, automatic 8596
plates 11100
shears 13432
Indexes, book.....6544
card (see filing cabinets & devices).....4706
Indexing machines, book.7805
Indian clubs.....6545
Indicating calipers 1803a
fuses, enclosed 5157
Indicator attachments....6546
bolts, water closet.....1129
cocks 2324
hands 5885a
plugs 11220
posts 11402
stands 14151
valves 16337
Indicators, ammonia.....6547
carbon dioxide 6548
centre 6549
combustion 6550
course 6551
draft 6552
electric speed.....6553
elevator 6554
engine & efficiency....6555
for Diesel engines.....6555a
fuel level.....6556
gas 6557
gas engine.....6558
gas leak.....6559
helm 6560
hydraulic 6561
lathe 6562
lightning 6563
liquid level 5297a
locomotive train number 6564
log setting.....6565
low water (see alarms, low water)..... 104
machine 6566
marine 6567
phase rotation 6568
polarity 6569
post 6570
railroad speed.....6571
revolution recording...6573
sight flow.....6575
smoke 6576
specific gravity.....6577
speed 6578
steam engine.....6579
surface speed.....6580
switch & tower.....6581
synchronism 6582
tank 6583
test 6584
train arrival & departure 6585
valve 6586
water (see alarms, low water) 104
wire rope.....6587
Indigo 6588
extracts 4512b
mills 15212
synthetic 6588
Indigotine 6589
Indirect heat dryers.....4124a
Inducer, draft.....3975
Induction coils.....2858
motors 9977
Indurated fibre tanks...14771
fibre ware.....6590
Industrial car wheels....16787
cars 2037
engineers 4339a
filters 4739a
jacks 6778a
lighting fixtures 7435c
locomotives 7592
motion pictures 9949a
plants blue water gas for 16683
railway turntables....16174
railways 12131
silos storage pockets..14382a
track 15845c
track switches 14588a
tracks 16025a
tractors 15852e
trailers 15854b
Infants' bath tubs..... 635
brushes 1550a
wire cribs 16944a
Inflators, tire (see pumps, air, tire) 11796
Information advance construction & industrial 76a
Infusorial earth.....4185
Ingot cars.....2033
extractors 4502
iron (see pig iron)...10865
lathes (see lathes, engine) 7264
molds 9912

No.

Ingot strippers 14489
stripping cranes.....3366
trucks 16026
Ingots, alloy & composition 6590b
aluminum 6591
brass 6592
bronze 6593
copper 6592
heating 6590a
lead (see lead, pig)...7341
manganese bronze.....6594
nickel 6595
phosphor bronze.....6596
steel 6597
white metal.....6598
zinc 6599
Injection pumps 11882
& oil overflow funnels.5038
Injector strainers 14431
Injectors, boiler.....6602
locomotive 6601
& ejectors, boiler.....6602
Ink, cans 1848a
colors 2891a
colors, printing 2891b
eradicators 4431
erasers 4434
erasers, brush 4435
grinding machinery.....9801
kits 6916
wells (see inkstands & wells) 6619
Inkoff 6603
Inks, canners'.....6605
drafting 6606
duplicator 6607
embossing 6608
indelible 6609
marking 6610
metal marking.....6611
numbering machine....6612
powdered 6617
printing & lithograph.6613
rubber stamp.....6614
show card.....6615
stencil 6616
tablet 6617
tracing cloth (see inks, drafting) 6606
writing 6618
Inkstands & wells.....6619
Inlet valves, radiator....16377
Inlets, fresh air.....6620
sewer 6621
Inner arc globes (see globes, arc light)....5500
automobile tubes.....16078
bicycle tubes.....16079
Innersoling leather substitute 6621a
shoe 6621b
Inorganic material dryers 4133a
Insect guns.....5730
powders (see insecticides) 6622
wire screens 13144b
Insecticide dusters.....4174
Insecticides 6622
Inserted teeth milling cutters 3574
teeth saws.....12983
Inserting machines, corporation cock.....8129
machines, fly.....8328
machines valve.....9368
Inserts, concrete 2988
Inside folding blinds.... 895
sliding blinds..... 896
Insoles, cork.....6623
Insoluble blue (see blue, prussian) 11704a
Inspecting engineers.....4340
machines, cloth.....15064
Inspection cars.....2039
cars, motor.....2047
elevator 6681
of iron, steel concrete & general construction 6624
steam boiler.....6682
steel .....6624 & 14228a
Inspectors' gauges.....5292
set, high pressure testers 14983
Inspirators (see injectors) .....6601 & 6602
Instantaneous water heaters 6057
Instep lifts.....7420
Institution water closets.16676
kitchen utensils 6915a
Instrument cases, musical gears 5377
movements (scientific & recording instrument) 10023
springs, electrical....14011a
Instruments, aeroplane...6624a
architects 232
astronomical 6625
band (see instruments, musical) 6632
electric recording 6625a
electrical testing & measuring 6626
engineering 4333

No.

Instruments, hardness testing 6628
intricate mechanical..6629
leveling 6630
magnetic research.....6631
mathematical (see instrument nautical)..6633
measuring 6631a
meteorological 6631b
musical 6632
nautical 6633
of precision.....6634
optical 6635
photomicrographic 6635a
pocket 6636
pole measuring.....6637
radio averaging 6638
Instruments, radio, telegraph (see specific article)
recording (see specific article required)
scientific 6640
surgical & dental.....6641
surveying 4333
telegraph 6642
testing, ammeter & voltmeter 6643
testing, assayers' & chemists' 6644
testing, hardness 6628
testing & measuring, electrical 6626
veterinary 6645
& meters, electrical testing 14990
Insulated couplings.....3304
handle screw drivers.13172
handles 5848
matting 9614
nails 10068
pliers (see pliers, lineman's) 11168
racks 12072
staples 14168
suspension bolts.....1087b
turnbuckles 16159
wire 16945
wire wax.....16700
wire & cable.....17014a
wiring tacks.....14688
Insulating asphalt.....6647
boards (see paper, insulating) 10675
brick 6647a
bushings 1713
cements 2250a
cloth 2783
compounds 2940
felts 4619
fibre 4681
gloves 5511
hooks 6353
joints, fixture 6836
joints, rail 6838
machinery, wire.....9451
materials 6647b
paints 10553
papers 10675
paste (see soldering flux, etc.)..... 13874
press boards..... 977
rubberized asbestos....6648
salts (see soldering flux, etc.)..... 13874
solder (see soldering flux, etc.)..... 13874
tape 14831
tape cutting machines.9249
tubes (see insulators & conduits) 16070a
varnish 16451
washers 16636
Insulation armature 6649
cold storage & refrigerator 6650
cork 6651
electrical 6653
hair felt.....4620
horn 6654
material presses.....11582b
molded, electric.....6654a
moulded, heat proof....6655
radio 6655a
rail joint.....6656
refrigerator car.....6657
rod 6657a
special shapes 6657b
strips, canopy (see fibre insulating) 4631
switch rod.....6658
track 6659
tube 6660
Insulator lathes 7278
pin, bracket & cross-arm machinery.....8488
pins & brackets.....6661
supports 6662
talc blanks.....14711
Insulators, arc lamp....6663
canopy 6664
clay 6672
cross-over 6665
feed wire.....6666
fibre (see fibre, hard).4680
glass 6667
hair 6668
lava 6669

No.

Insulators, mine feeder wire 6670
moulded mica.....6671
paper, for cables (see sleeves, paper).....13762
porcelain or clay.....6672
radio 6672a
strain 6673
swinging 6674
third rail.....6675
tree 6676
trolley wire section....6677
wall 6676
Insurance, accident.....6678
employers' liability....6679
health 6678
indemnity bond.....6680
& inspection, elevator..6681
& inspection, steam boiler 6682
Intake ventilators, electric 16485a
Intensifier & unifying tablets, blue print bath. 957
Intensifiers 6683
Interchangeable hammers 5771
tools 15741
Intercoolers, air.....6684
Interior building trim, steel, bronze, etc....6687
conduits 3018
finish, wholesale mfrs..6685
hardwood work mfrs. & erectors 6686
marble work.....9574
telephone cables.....1777a
telephones 14933
trim, hollow metal....6687
trim, steel coach & car 6688
Interlocking channel bars (see piling, interlocking steel)....10875
channel pins.....10921
cutters 3564
rubber tiling.....15595
steel piling.....10875
switches 14589
system signals.....13648
Interlocks, elevator (see elevator safety locks) 4247
Intermediate frames....15176
Intermediates 6688a
dyestuff 6688a1
Internal gears.....5386
grinders 5627
Internally fired boilers..1027c
Interpole railway motors.9978
Interrupted thread taps.14858
Interurban gasoline cars.2041
Intricate mechanical instruments 6629
Invalid chairs.....2396
Inventions 6688b
Invert blocks, sewer..... 919b
Inverted gas burners.....1675
gas lamps.....7187
gasoline lamps.....7188
key cocks.....2825
Invisible hinges.....6109
Invoice winders.....16856
Involute cutters.....3565
Iodide 6688b
ammonium 152d
cadmium 1787c
lithium 7497e
mercury 9663f
zinc 17133c
Iodine 6688c
Iodoform 6688d
Iridium 6689
alloys 124
platinum balls 1156
Irish moss.....9946
Iron acetate (see iron liquors) 6698
angles (see steel structural mills) 14267
architectural & ornamental 6690
band 6712
bar cutters.....3566
bar mills.....6691
bars 574
bars, muck.....6699
bases, cast 595a
bath tubs, enameled... 632
bedstead mfrs..... 701
billets 808
black 852
blue colors 2891b
boiler plate 6713
bolts (see bolts, various kinds).
brackets, cross arms, etc. 3436
bridge 6692
bridge builders (see steel structural work) 14263
bridge plate (see steel bridge plate) 14207
bromide 6692a
caissons (cast iron)...1793
canopies (see marquees) 9594
carbonate 6692b

No.

Iron casting fillers (see cements, iron & steel filler) 2251
castings 2170b
castings (charcoal iron) 2154
castings (grey iron)...2169
castings (malleable iron) 2174
castings, special 2170c
castings (vanadium iron) 2197
cements 2251
chains, wrought 2391a
chairs 2396a
channels (see steel structural mills)....14267
charcoal sheet 6698
chloride crystals 6693a
chromate 6694
cinder mills (see mills, water cinder).....9831
clothes reel centers.....2761
cocks, lead lined.....2826
cold rolled strip.....6693
concrete reinforcing bars 2992
construction (see steel structural work)....14263
corrugated 6714
crestings & finials.....3426
cross arms.....3436
crucibles 3446
dies, chilled.....3760a
discs 3838
drums 4098
electrical sheet.....6716
enamels (see enamels, baking) 4306
engine bolt.....6695
entrances (see iron, architectural & ornamental) 6690
evaporators 4448a
fences 6701
fences, ornamental (see gates, ornamental iron) 5229
fences, wrought.....4640a
fenders 4643
ferrules 4668
filler cements.....2251
fillers 4716
fire sets (see fire place furnishings) 4777
flag poles.....11365
floor plates.....11091
floors 4893c
flue (see iron & steel skelp) 6717
flumes 4907
forgings 4951
founders 9502
furring 5153
gates 5253
gates, ornamental.....5229
gears, cast.....5375a
gears, charcoal.....5376a
guide 6696
harness rings.....12455
hay racks.....12070
holders 6250
hoop 6712
horseshoe 6697
hot rolled strip.....6698
housings for rolling mills 6486
inspection 6624
lamp standards & brackets (see posts, lamp, arc, & tungsten) 11405
lathing 5153
lined tubing.....16107
liquor 6698
lock nuts, cast & malleable 10210a
locomotive jacket.....7576
machine screws.....13189
mantels, marbleized...9549
melting furnaces 5124
muck bar.....6699
nitrate 6699a
Norway 6718
open hearth.....6700
ores 10333
ornamental 6690
ornaments (see fountains, vases, etc.)....5000
oxide 10433
oxide paints.....10554
oxidized rustless.....6705
paints 10554
perchloride 6700a
picket fences.....4637
pickling acids 60a
pier builders (see steel structural work)...14268
pig, dealers 10865
pig mfrs. (see blast furnaces) 836
pipe (see iron & steel skelp) 6717
pipe (cast iron), gas & water 2139
pipe (cast iron), high pressure 2138
pipe (cast iron), soil..2140

No.

Iron pipe, galvanized (see pipe & tube mills)..10989
pipe, genuine wrought.10979
pipe, jobbers 10943a
pipe railings.....12111
pipe, welded.....10974
pipe (wrought iron) (see pipe & tube mills) 10989
plane gauges.....5293
plates 11100a
poles 11367
posts 11403
precipated oxide of....6700b
preserving paints.....10548
pulleys (cast iron)...11729
purifier, carbanese.....1985
pyrites of 10390
rabbits 12050
rail mills.....12110
railing fittings.....4814
railing posts.....11403
railing spring hinges..6129
railings & fences.....6701
rails (see rail mills, iron & steel).....12110
reducers (cast & mall.) 12252b
refined hammered.....6702
reinforcing bars.....2992
resisting paints (see paints, rust proof)..10566
return bends, cast & malleable 785
rivets 12515a
rod cutters.....3566
rods (see rods, various kinds).
rolling mills.....12649
roofing & siding.....12753
rosettes & pickets....12773
Russia 6703
rust resisting.....6704
scale 6705
scrap 13091
separators (see separators, magnetic).....13305
settees 13327
shafting 13364
sheet, black & galvanized (iron & steel)..6715
sheet, cold rolled.....13467
sheet, electrical.....6716
sheets 13485d
sheets, blue annealed..6706
shutter, paints (see paints for coating & preserving iron & steel) 10548
shutters (see shutters, steel) 13615
skelp 6717
slabs 808
slat floors for smoke houses 4894
spikes (see spike mfrs.) 13916b
spittoons (see cuspidors) 3520
split pulleys.....11744
squares 14067
stair builders.....6707
stair builders, combination steel concrete interior .....6708.
stairs 14109a
stars 14175
staybolt 6709
stills, cast 14312d
structural dealers (see steel structural dealers) 14266
studs, milled.....14508
sulphate 6709a
sulphide 6709b
summer houses.....14530
Swedish 6713
tablets (see bronze tablets) 1496
tagger's 6710
tank plate.....6713
tanks (see tanks, steel) 14806
tees (see steel structural mills).....14267
tees, cast & malleable 14891a
tower & tanks (see tanks & towers, steel) 14825
toys 15841
trays, cast 15915
trunk 6711
tub hoops.....6423
tubing 16106a
tunnel shields 16147a
unions, malleable.....16231a
washers 16637
washers (cast iron)...16628
wire 16946
work sheet.....13467a
working machinery (see tools, pneumatic)...11317
"y's" malleable.....17113b
& glass doors.....3939
& glass shutters.....13614a
& steel gratings.....5586a
& steel squares.....14067
& steel tunnel shields.16147a

No.

Iron & steel weatherboarding (see roofing & siding iron & steel) 12753
Ironing boards..... 978
machines 8489
machines, household...8490
mangles (see laundry machinery) 8522
stands (see tables, ironing) 14651
tables 14651
& brass separators (see separators, magnetic) 13305
& steel 6711a
Irons, awning frame.....6719
beck 6720
branding (see burning brands) 1697
break 6721
breast collar.....6722
bridle (see hangers, joist) 5899
burling 15027
calking (see tools, calking) 15709
car ladder 6725
chafe 6726
chair 6727
clamp 6728
coopers' 6729
corner 6756
curling 6730
dog 6731
electric, sad.....12844
grab 6733
grappling 6734
hair pinching.....6735
hawsing 6735a
lead pipe bending.....6736
neck-yoke 6737
painters' scaffold.....6738
pinking 6739
plane 6740
polishing (see sad irons) 12843
porch post.....6741
reaming 6741a
rig 6742
rig, oil & gas well...12416
rub .....6726 & 6743
sad 12843
sash cord.....6744
shuttel 15378
singletree 6737
soldering, alcohol.....13878
soldering, electric....13879
soldering, self-heating.13880
stake 6745
stanchion 6746
storm stoop.....6747
tailors' (see sad irons).12843
timbale 6748
tire 6749
top 6750
tuyere 6751
waffle 6752
wagon dump.....6753
wagon stake.....6754
wall 6755
waving 6755a
whiffletree 6737
Irrigating cylinders.....3643
nozzles 10176
pumps 11883
shovels (see shovels, steam) 13596
strainers 14432
Irrigation excavators, canal 4462a
meters 9724a
pipe 10943b
valves 16337a
Isinglass 6758
beaters 698
whisks 698
Iso amyl acetate..... 156a
amyl alcohol..... 113
Italian marble importers.9573
Ivory black.....6759
buttons 1737
goods 6760
handles 5849
importers 6761
nuts 10207
substitutes 6761a
Jack boxes.....1239
chains 2344
frames 15177
hooks 15213
screws 13206
screws, cable reel....13207
shafts 13371
spools, steel head.....15414
stones 6762
straps 6763
Jackers, log.....7601
Jacket cans.....1849
iron & steel, locomotive 7576
steam kettles.....6883
Jacketed cylindrical dryers 4125
tanks 14772

INDEX

INDEX

No.
Jackets, furnace 6764
milk can.....6765
paper makers'.....4634
smelting 6766
water, for smelting plants 6767
Jacks, armature (see lifts, motor, car pit).....7424
automatic lowering.....6768
automobile 6769
ball bearing 6769a
boot 6770
bridge 6771
cable reel 6772
car 6773
car journal (see jacks, car) 6773
car pit (see lifts motor, car pit) 7424
car replacing 6773
carriage (see jacks, wagon) 6798
drive, double worm gear 6773a
engine centering.....6774
gas pumping.....6775
geared 6775a
hatters' 6776
house raising.....6777
hydraulic 6778
industrial 6778a
ladder 6779
lathe 6784
lifting 6795
locomotive 6792
log 6793
mine 6779a
needle 15214
oil well.....6780
oil well casing.....6781
pipe forcing.....6782
pit 6783
planer 6784
pneumatic pit (see lifts, motor, car pit).....7424
pulling 6786
pumping 6787
pushing 6789
radio 6789a
radio telephone.....6794
ratchet 6790
reel 6772
robie 6791
screw 6792
shafts 13371
ship 6792a
smoke, round house...13789
stone 6793
telephone 6794
track 6795
truck 6796a
traveling 6796
traversing 6796
universal 6797
wagon 6798
wall receptacle type....6798a
wrecking 6799
Jacquard card repeaters.15041
card stitching machines 15042
cards 15048
heddles 15201
looms 15257
Jail bar steel.....14229
& cell work, steel.....6800
Jam nuts.....10198
riveters, pneumatic...11287
Janitors' supplies.....6801
Japan paints, cold.....10539
water 6801a
Japanese lanterns 7227
Japanned spittoons (see cuspidors) 3520
ware mfrs. 6802
wood 6803
Japanning barrels 529
burners 1683
furnaces 5087a
ovens 10429
& tinning.....15618
Japans 6804
asphalt 16460
Jar mills.....9802
ring lathes.....7279
seals 13246b
washing machines.....7952
Jardinieres 6805
Jarring machines (see molding machines, foundry) 8632
machines, core.....8112
Jars, acid.....6806
battery, glass.....6807
battery, rubber.....6808
battery, vitrified.....6809
fibre 6809a
fruit 6810
glass 6811
kitchen cabinet (see jars, glass).....6811
milk 6812
paste 6813
Jaw chucks.....2514
clutches 2779a
rock & ore crushers..3460
Jaws, brake.....1353
face plate 6813a
Jean looms 15258

Jelly evaporators from apple juice 4449
glass caps 1901
glasses 5486
molds 9913
Jenkin's type valve....16333
Jet blowers, steam..... 948
condensers 3005
pumps 11884
water & sand lifting educators 4196
Jets & nozzles, acid proof.6814
Jewel box & pincushions, combined 3518b
case locks 7535
gauges 5294
Jewelers' anvils 200
balances (see balances, assay & analytical).. 435
boxes 1240
cotton 3252
furnaces 5088
machinery 8492
platinum melting outfits 11157
rolls 12679
saws 12984
scale pinions.....10382
screw drivers.....13178
screws 13233
tags 14704
tools 15787
vises 16527
& opticians' machines & tools.....8493
Jewelry cases.....2116
sample cases.....12887
trays 15921a
Jewels, scientific instrument 6815
Jib cranes.....3367
cranes, electric walking.3368
hanks 5913
Jig boring machines....7822a
designers, special 3715a
saw blades.....12928
sawing machines, metal 8588
saws 12985
& die fixture work....3742
Jiggers .....6817 & 15315
Jigs, coal 6818
for concentrating mills.6819
key filing 6820
ore 6818
special, designers of...3715a
& fixtures, drilling & milling 6821
Jim-crows (see benders, rail) 781
Jobbers' reamers.....12199a
twist drills.....4072
Jockey scales 13036
Joggling machines for ship yards 8494
machines, plate 8495
Joint clamps, steam.....2613
compounds (sewer joint)2947
conduit wrappers.....17048
copper 6833a
couplings 6822
ends 4323
fittings, matheson & converse 4815c
nuts 10208
plates 11101
runners 12830
wiping machines.....8496
wrappers (see wrappers, conduit) 17048
Jointer gauges.....5295
heads 6003
knives 7060
knives, listing.....6997
& doweling machines, heading 8424
Jointers, coopers'.....6823
masons' 6824
pipe 6825
plow 11176
saw tooth.....6826
shingle 6827
Jointing machines.....8497
machines, cutter head.8498
machines, glue.....8377
machines, heading.....8485
machines, stave.....9196
& planing machines....8825
Joints, angle 6829
automobile top prop..6833
ball 6830
brass swing 6831
cable 6832
carriage top prop.....6833
copper 6833a
expansion 6834
expansion paving 6835
filtering 6835
fixture insulating 6836
flexible 6837
insulating rail.....6838
ladder 6839
lap, recessed.....6840
packing flange 10452a
pipe 6841
rail 12108
rail, continuous.....12109
rail step.....6842

Joints, roof 12708
splice (see braces, rail).1316
strap 6843
stump 6844
sucker rod.....6845
swing 6846
swing, brass.....6831
swivel 6847
telescopic pipe.....6847a
universal 6848
vehicle top prop.....6833
Joist, anchor & timber caps 6849
caps 6849
drills 4039
hangers 5899
tongs 15677
Jordan engines.....4380
Journal bearing compounds, metallic.....2941
bearing wedges.....16724
bearings 679
box dust guards.....4171
box felts.....4622
box lids.....7410
box oilers, car.....10249
box packing.....10459
box wedges.....16725
boxes 1241
lubricators, car.....7626
truing lathes 7280
Journals, car..... 6850
vulcanized fibre.....6851
Jug corks 3222a
Juice heaters (see heaters, sugar juice).....6048
pumps 11885
Junction boxes.....1242
boxes, manhole.....1249
Justice hammers.....5772
Jute batting.....656
boards 979
brattice 6852
carpet looms.....15259
cordage machinery....15216
felts 4623
packing 10460
paper 10676
presses 11582
rope 12759
spinning machinery...15401
twine 16199
yarn 17116
Juvenile automobiles..... 333
bicycles 800a
Kaffir corn mills.....9803
Kainit 6853
Kalameined doors & windows 3962
fireproof doors 3929a
Kalsomine brushes.....1554
mfrs.' 6854
Kaolin dryers 4126
mfrs. 6855
Kapok 6856
mattresses 9633
Karaya gum 5719a
Kauri gum (see varnish gums) 16438
Kedge anchors 161a
Keel plate bending machines, hydraulic ...8501
Keene's American cements 2252
imported cements.....2253
Keg machinery.....7733
scrubbing machine brushes 1519
scrubbing machines....8502
sprinklers 14049
washing machines (see barrel washing machines) 7736
windlasses 16862
Kegs, money 6856a
steel 6857
steel shop.....6858
tack miniature 6858a
turned wood 6858b
wooden 6859
Kennel chains (see chains dog lead).....2321
Kerosene automobile burners 1684
blow torches 15814
engines 4380a
furnaces 5089
lamps, incandescent...7179
lanterns 7226a
oil burners.....1685
oil lamp burners.....1686
oil lamps.....7189
oils 10310
road rollers.....12633
tractors 15852a
traction engines 4413a
Ketone oils, acetone....10277
solvent 13885a
Ketones, ethyl.....9742a1
Kettle ears(see pail ears).10497
handles 5849a
scrapers 13717
Kettles, acid.....6860
aniline (see kettles, size) 6878
apple butter.....6861
asphalt 6861a
brass 6862
brazing 6863

Kettles, brew 6864
calcining 6865
caldron 6866
canning factory (see kettles process).....6877
cast iron.....6867
caustic soda.....6868
conveying 6869
copper 6869a
dross 6870
dye (see copper work, dyers') 3188
dyers' 6871
drum (see kettles, brass) 6862
fuller's earth, treating.6872
Kettles, fusion 6872a
galvanizing 6873
lead lined 6873a
maslin 6874
melting 6875
nitrating 6875a
oil burning 6861a
paint 6876
process 6877
reduction 6877a
rochester 6877b
roofing 6877c
silver lined 6887a
size 6878
smelting 6879
soap 6880
soda, tool cleaning...6881
spelter 6882
steam jacket.....6883
sugar 6884
sulphonating 6844a
tar 6885
tea (see aluminum hollow ware mfrs.), 133; also (enameled ware mfrs.), 4301; also (tinware mfrs.), 15620; also (hollow ware stove 6289
thawing 6886
tilting 6887
tin or silver lined.....6887a
tinning (see kettles galvanizing) 6873
vacuum 6887b
varnish 6876
water jacketed 6887c
"Kewanee" fittings.....4814a
Key adjusting wrenches.17080
blanks 881
bolts 1083
cans 1850
chains 2345
checks (see checks, baggage) 2429
cocks, spring.....2839
cutting machines 8503
electric lamp sockets
metal shell, medium..13829b
metal shell, miniature.13830b
porcelain shell, medium 13829e
filing jigs.....6820
hotel tags.....14701
locks 7542
plates, porcelain.....6888
rings 12462
shafting (see keys, machine) 6892
way cutters 3566b
& cotter drilling machines 8223
Keyhole guards.....5696
saws 12986
Keyless electric lamp sockets composition, electric lamp porcelain shell mogul 13831b
locks 7543
metal shell, medium..13829b
metal shell miniature.13830c
metal shell mogul ...13831a
porcelain shell medium 13829e
porcelain shell miniature 13830
weatherproof, medium 13829h
weatherproof metal shell medium 13829i
weatherproof porcelain medium 13830
weatherproof porcelain shell mogul 13831c
Key-seat clamps.....2594
rules 12817
Key-seated shafts.....13371a
Key-seater attachments for cutting oil grooves 293
Key-seating machines....8504
rule blocks 914
shafts 13372
tools 15742
& slotting cutters.....3567
Keys, auto gas tank.....6889
brake shoe.....6890
flat spring & riveted..6891
machine 6892
press screw.....6893
riveted 6891
socket, rubber & composition 6894

No.
Keys, split 6895
spring 3246
street washer 6896
telegraph sending, radio 6893a
woodruff 6897
Kick & push plates.....11102
Kid (see leather).....7355
Kiers 15217
Kieselguhr 6898
Killers, fly, poison.....6900
fly, swatters.....6901
gopher & squirrel.....6902
squirrel 6902
weed, chemical.....6903
Kiln band & plate fasteners 4563
bands 495
brick, pottery.....1450
brick, rotary 1454
cars (see car, dryer)...2018
drying apparatus mfrs..6904
Kilns, brick (see kilns, dry) 6909
cement 6905
char 2418
china 6907
continuous 6908
dry 6909
lime burning.....6910
lime, sugar refining....6911
lumber drying (see kiln drying apparatus mfrs. & kilns, dry) .....6904 & 6909
malt 6912
roasting (see kilns, rotary) 6913
rotary 6913
Kindergarten blocks..... 914a
pegs 10785a
splints 13941a
supplies 6914
Kindler, locomotive fire.7574
Kindling wood 17028a
wood machinery.....8505
King bolt clamps.....2595
bolts 1089
metals 9692
pins (see bolts, king)..1089
Kitchen boiler makers' tools 1010
brushes 1550b
cabinet jars (see jars, glass) 6811
cabinet racks.....12073
cabinets 1758
enameled ware mfrs...4301
forks, wire.....4981
goods, wire 6915a
grindstones 5666
knives 6993
lamp brackets.....1336
outfits .....3147 & 6478a
saws 12987
sets 6915
sinks 13708
tables 14652
utensils for hotels & institutions 3147
ventilators 16485c
Kits, automobile luncheon (see baskets, hampers & touring cases, automobile) 612
first aid 6915b
ink 6916
lunch, automobile 7658a
paint 6916
paste 6916
pickle, etc.....6917
syrup, honey, etc.....6918
tire repair.....15640
tool 15694
Knapsacks 6919
Kneaders, batch 6920
mixers, heavy compound 9872a
Kneading & mixing machines 8506
& mixing machines, dough 3196
Knee drilling machines..8228
Knees, boat (see knees, ship) 13542
bob sleigh (see knees, ship) 13542
Knife balancing machinery 8507
blade straightening machines 9215a
cases pocket.....2123
chain 2346
cleaners 2664
ferrules 4668a
grinders 5628
grinders, huller.....5626
grinders, mower (see grinders, sickel & mower knife).....5647
grinders, planer.....5635
grinders, shear.....5646
handle wrenches.....17081
handles, corn, shoe, kitchen, etc.....5849b
handles, hay.....5844
Knife handles, pocket...5860
handles, table.....5860
pleating machines 15322a
polishing & buffing machines 8503
scabbards 13006
sharpeners 13387
shoe sharpeners.....13394
switches 14590
& fork trays.....15922
& weeder, asparagus..6922
Knit fabric cutters.....15106
fabric slitters & rewinders 15218
goods finishing machines 15162
Knitted gloves.....5512
mittens 5512
towels 15827
Knitting machine attachments 15219
machine cylinders....15111
machine cylinders & dials 15113
machine needles.....15298
machine stop motions.15283
machinery 15220
machines, circular....15221
machines, hosiery....15222
machines, rib.....15223
machines, seamless...15224
needles, spring.....15301
pins 10906
Knittings, mantle.....15275
Knives, aluminum.....7063
apple grinder.....6923
asparagus 6924
back lathe.....6925
banana 6926
band 6927
band cutter.....6928
bark grinder (see knives, wood barking machines) 7058
barrel machine.....6929
bean harvester.....6930
beet topper.....6931
belt 6932
bench 6933
bone cutter.....6934
boning .....6941.
bookbinders' 6935
box corner cutter.....6936
bread 6937
brick 6938
broom corn.....6939
burr 6940
butchers' 6941
candy 6942
cane 6943
carpet 6944
carpet loom.....7001
carvers 7041a
carving 6945
celluloid 6946
chair bottom 6947
chamfer 6948
cheese 6949
chipper 6950
chipping 6951
chopping 6952
cigar 6953
circular 6954
clam (see knives, oyster & clam).....7011
cloth cutting.....6955
clothes pin.....6956
clover huller.....6957
cooperage 6958
cope cutter.....6959
cord wood splitter.....6960
coring 6961
cork 6962
corn 3230
corn cutter.....6985
corn harvester.....6963
cotton seed huller.....6964
cotton shear.....6965
curd 6966
cutter head 7042a
cylinder huller.....6967
dehorner 6968
dirk 6969
double edge.....6970
dowel 6971
drawing 6972
ensilage 6974
excelsior 6975
farriers' 6976
feather curling 6977
fruit 6978
fur cutter 6979
gauge lathe.....6980
handle 6982
harness makers'.....6983
hay .....6984 & 6985
hay cutter.....6985
header 6986
hedge 6987
high speed steel.....6988
hog 6989
hoop 6990
hoop machine.....6991
hunting 7062
jointer (see knives, woodworking machine) 7060
kitchen 6992
Knives, lawn mower.....6994
leather splitting.....6995
linemen's 6973
linotype 6996
listing jointer.....6997
lithograph stone.....6998
logwood 6999
loom 15235
loom, axminster.....7000
loom, carpet.....7001
machine 7002
machine, barrel.....6929
machine, paper box....7015
machine, tack.....7052
machine, wood barking.7058
machine, woodworking.7060
manicure 7003
marble cutter bit.....7003
matcher (see knives, woodworking machine) 7060
meat slicer.....7004
metal shear.....7005
mincing 7006
mitre 7007
moding machine (see knives, woodworking machine).....7060
mower & reaper.....7008
oilcloth 7009
overlay 7010
oyster & clam.....7011
painters' 7012
panel raising.....7013
paper 7014
paper-box machine....7015
paper cutter.....7016
paper hangers'.....7017
paring 6993
planer 7017a
planing machine.....7018
plush 7019
pocket 7020
pruning 7021
pug mill.....7022
putty 7023
rag cutter.....7024
rand 7025
rattan 7026
reaper 7008
roll scraper.....7028
root 6987
rotary 7029
rubber 7030
salmon 7031
sardine 7032
scallop 7033
scarfer 7034
scraper 7035
self feeder.....6928
shear cutter.....7036
shear, solid steel.....7042
shear, textile.....7054
shingle 7037
shoe 7038
shredder 7039
skiver 7040
skiving, tanners'.....7053
slaw & vegetable.....7041
sloyd 7041a
solid steel shear.....7042
special for cutterhead..7042a
spiral of all classes....7043
spiral tenon.....7044
splitter 7045
splitting, leather.....6995
spoke lathe.....7046
sportsmen's 7062
stave cutter.....7047
stereotype 7048
stop cutter.....7049
straw cutter.....6985
striking 7050
table, silver plated (see silverware, table)...13702
tack machine.....7052
tanners' skiving.....7053
textile shear.....7054
tinned 7064
tobacco 7055
vegetable 7041
veneer 7056
weeding 7057
woodbarking machine..7058
wood flooring machine (see knives, woodworking machines) .7060
wood pulp.....7059
wood surfacing machine see knives, woodworking machines)...7060
wood tenoning machine (see knives, woodworking machines) 7060
wooden 7060a
woodworking machine 7060
& cutters, serrated....7061
Knob eyelets (see eyelets carriage, etc.).....4517
side screws.....13225
Knobs, adding machine.7064a
base 7064b
bird cage 7064c
carpet 7065
carriage 7066
Knobs, closet 7066a
cover 7066b
door 7066c
door, brass.....3900
door, bronze.....3900
door, common (see locks & knobs).....7566
door, glass (see knobs, wood) 7076
door, screwless.....3901
door, wood (see knobs, wood) 7076
drawer & shutter.....7067
enameled 7067a
furniture 7067b
glass, door, drawer, etc. 7068
grommet 7069
kettle 7069a
organ stop 7070
plane 7071
pot cover repair.....7072
push button.....7073
screen 7074
stove door (see stove trimmings) 14395
telephone 14918
wooden, door, drawer, etc. 7076
Knock-down tanks 14772
screw presses.....11584
Knocked down boats.... 992
down furniture.....5146
Knockers, door.....7077
door, colonial.....3902
Knuckle pins.....10887
joint presses.....11585
Knuckles, steel.....7078
steering 7079
Knurl holders.....6251
sets 7080
Knurled nuts.....10209
Knurling lathes.....7281
presses 11586
tools 15743
Knurls 7081
Kominuter balls 464a
Kominuters 7082
Korap-lenix belt drive...7083
Kraft paper.....10677
Kraut canners (see canned goods) 1829
cutters 3568
machines (see cutters, kraut) 3568
Kryolith 7084
Kyanized lumber 7654b
Label cabinets.....1759
holders (see holders, card & label).....6231
mfrs. 7085
paper 10678
plates (see holders, card & label).....6231
varnishing machines...3510
Labeling machines.....3511
Labels, canners'.....7086
florists & nurserymen's.7087
gummed 7088
hosiery 15207
plant, wood 7088a
tree, wood 7088a
underwear 7089
wood 7090
woven 7091
Laboratories, chemical & physical 7092
testing 7093
Laboratory apparatus & supplies 7094
apparatus, physical...10841
bases, hood 595b
beakers, glass 659b
burners, special 1693
cabinets 1760
centrifugal machines..8000
clocks 2730
crushers (see pulverizers, laboratory) ...11773
dryers 4127
ether 4440
filter presses 11537
fixtures 4828a
furniture (see laboratory apparatus & supplies) 7094
hoods 6297a
lathes 7282
machinery 8512
mills 9804
presses, chemists'....11507
pulverizers 11773
screens 13144c
transformers 15867a
vacuum pumps.....11886
water stills.....14317
wood work.....7095
Lac sulphur.....7166
Lace, coach.....7096
leather 7362a
leather cutters.....3569
machines 15226
measuring clocks 2730a
paper 10679
tips, shoe.....15632a
& peg hole cutters, automatic 15699

INDEX

IMPORTANT The Numbers in this Index refer to the Classification direct and not the Page Number.

INDEX

No.

Lacers, automatic lock & loop stitch.....15227
Laces, corset 7097
shoe 7098
Lacing, automobile hood.7098a
belt 727
eyes 4521
fibre combs 2910a
frames, hand.....15173
hooks (see studs, lacing) 14506
machines, belt 728
studs 14506
radiator (see lacing, automobile hood)....7098a
Lacquer cotton 3252a
mfrs. 7099
Lacquered screws 13234
Lacquering for the trade.7100
machines 8513
machines, can.....7932
& varnishing machine, tin plate.....9312
Lacquers, anti-rust.....7101
armature 7102
canners' 7103
metal 7104
pyroxylin, wood & metal 7104a
silver 7105
Lactate of tin.....7107
Lactic acid..... 35
Lactometers 7108
Lactose 7109
Ladder braces.....1321
chains 2347
hooks 6354
irons, car.....6725
jacks 6779
joints 6839
rounds 12778
rounds, miners'.....7110
rungs 12829
shoe 13558a
sockets 13836
spurs & points.....14062
trucks (hook & ladder) 16024
Ladders 7111
chair (see chairs, combination step ladder)2393
extension 7112
extension scaffold.....7113
fire 7114
folding roof.....7115
freight car.....7116
fruit pickers'.....7117
rolling & trolley.....7118
rope 7119
steel 7120
step 7121
store sliding (see ladders, rolling & trolley) 7118
straight 7122
straight, sectional.....7123
swimming pool.....7124
& trucks, firemen's....7125
Ladle, brick.....1440
carrying shanks.....13380
cars (see cars, foundry) 2027
cranes 3369
handles 5849c
heaters 6037
linings (see brick ladle)1440
linings, cinder car.....7470
sleeves & nozzles.....7126
spoons 13960
stoppers & nozzles....14372
Ladles, babbitt.....7127
Bessemer plant 7133
cinder car.....7130
family 7129
foundry 7130
galvanizing 6873
hot metal.....7133
matte (see ladles, mining) 7132
melting & plumbers'..7131
mining 7132
open hearth & Bessemer plant 7133
pickle 7133a
pipe layers'.....7134
slag 7130
truck (see ladles, foundry) 7130
wax 7135
wood 7136
Lag bolts 1089a
screw threading machines 8514
screw wrenches.....17082
screws 13207a
Lagging, hardwood.....7137
locomotive 7577
steel (see centering, steel) 2272
Lake colors 2891c
Laminated hoisting chains 2347
products 7138
slate 13742
Lamp adapters..... 65
adjusters 70
base felts 4623a
bases, incandescent.... 596
black mfrs.....7139

No.

Lamp brackets (automobile & carriage lamp) 1335
brackets (electric lamp) 1330
brackets (kitchen & bunker lamp).....1336
bulbs, incandescent....1647
burner machinery.....8515
burners, kerosene.....1686
cements 2253a
changers (see replacers, incandescent lamp).12368
chimney cleaners.....2665
chimney heaters.....6037a
chimneys, glass.....2454
coloring (incandescent lamp) 2887
compensators 2920
connector, pilot, boards 983b
cord adjusters..... 71
cords (see cords, flexible) 3199
cords, flexible.....3199
eye shields.....13519
founts 5001
globes (arc lamp).....5500
guard handles, incandescent 5847a
guards 7140
guards, arc globe.....7141
guards, miniature.....7141a
guards, wire (portable lamp) 7140
handles, portable 5861a
hooks (see hooks, ceiling & chandelier)...6316
locks 7545
mirrors 9850
poles (see posts, lamp, arc & tungsten)....11405
posts 11404
posts, arc & tungsten.11405
pulleys, electric (see pulleys, arc lamp)..11727
replacers, incandescent 12368
shields, eye.....13519
socket rings, electric..12446
sockets, electric..13828-13833
sockets, electric, medium 13829
stands & brackets, iron & bronze (see posts, lamp, arc & tungsten) 11405
wick trimmers.....15944
wicks 16845
windlasses, arc.....16861
Lamps, acetylene gas....7142
alcohol 7143
arc 7144
arc, acetylene (see lamps, acetylene gas)7142
arc electric, non-magnet 7145
arc, for blue printing & photography 7157a
arc gas 7146
arc gasoline 7147
arc luminous 7148
arc metallic flame....7149a
arc, miniature.....7150
arc, photo-engraving..7151
arc, stage & stereopticon 7152
artistic bronze & wrought iron.....7152a
automobile, electric....7153
automobile, gas & oil..7154
automobile, trouble finding 7155
battery 7156
bicycle 7157
blue print 7157a
bridge, pier & channel.7158
bronze, artistic.....7152a
bunker 7159
burners, railroad long time 1781
candle 7160
car 7161
car, incandescent electric 5441
carbon, arc flame.....7145
carbon filament 7162
carriage 7163
channel 7158
Christmas tree, electric.7163a
contractors' portable (see contractors' portable light).....3050
derrick 7164
desk, electric (see lights, desk, electric)7442
electric (see also lamps, incandescent electric, 7175; also lamps, nitrogen, 7202a); (also other headings for lamps) 7165
electric, turn down....7217
engineers' hand 7170
flaming arc.....7146
gas, acetylene 7142
gas, arc.....7143
gas, incandescent 7176
gas, inverted.....7187
gasoline 7167

No.

Lamps, gasoline, arc.....7147
gasoline, incandescent.7177
gasoline, inverted 7188
gasoline, portable 7181
gauge, locomotive.....7190
gem 7168
gravity 7169
hand, engineers' & machinists' 7170
hanging 7171
household, brass.....7172
household, glass.....7173
hydro-carbon incandescent 7178
incandescent, electric..7175
incandescent, electric car (see lamps, incandescent electric).7175
incandescent gas.....7176
incandescent gasoline..7177
incandescent, hydro-carbon 7178
incandescent kerosene.7179
incandescent, miniature 7180
incandescent, portable.7181
incandescent, portable electric 7182
incandescent, portable floor, electric.....7182a
incandescent, renewed..7183
incandescent street series 7184
incandescent vapor gas.7185
incubator 7186
inverted gas 7187
inverted gasoline 7188
kerosene, incandescent.7179
kerosene oil.....7189
locomotive gauge.....7190
machinists' hand.....7170
malleable iron (see torches, malleable iron) 15816
marine, oil.....7191
mazda 7192
mercury vapor.....7194
metallized-filament ...7195
mill 7195a
mine 7195b
mine, acetylene.....7196
miners', electric.....7197
miners', oil & sunshine 7198
miners' safety.....7199
miniature arc.....7150
miniature incandescent.7180
mission 7200
motor 7201
night 7202
nitrogen 7202a
orchestra 7203
oven (see illuminators, oven) 6532
photo-engraving, arc..7151
photographic & photo-engraving 10837a
photometer 7204
pier 7158
pier head.....7205
pocket, electric (see flashlights, electric lamp & lantern).....4863
portable 7205
portable gasoline (see lamps, incandescent portable) 7181
quartz 7206
railway 7207
renewed incandescent...7183
semaphore signal 7208
signal 7209
stage arc 7152
station 7210
stereopticon arc 7152
street 7211
switch 7212
table 7213
tantalum 7215
therapeutic 7215a
torch (see torches, hand) 15813
tungsten 7216
turn down, electric....7217
vapor 7218
wrought iron, artistic..7152a
Lanae adeps (see lanolin)7219a
Lances, corn.....7219
Land clearing machinery.8516
& field rollers.....12621
Landscape architects.... 228
slate, garden work & terrace 13742a
Lang lay, wire rope.....16970
Lanolin 7219a
Lantern globes.....5502
holders 6252
lead 7340a
Lanterns, acetylene.....7220
bicycle 7221
brass 7222
candle 7223
dashboard 7224
electric 7225
eye testing 7226
gasoline 7226a
Japanese 7227
kerosene 7226a

No.

Lanterns, police 7228
railway 7229
tin 7232
tubular 7230
Lap cutters.....3570
joints, recessed.....6840
links 7482
rings 12463
robes 12538
welded steel pipe.....10944
welding rolls 12630
winders 15477
Lappers & openers, cotton 15303
Lapping machines 3517
Lard coolers.....3159
cooling cylinders.....3644
cooling machines.....8518
oils 10311
pails, tin.....10518
presses 11588
tubs 16133
& butter pail machinery, sheet metal.....8519
Lards & cutting lubricants 7230a
Large field storage oil tanks 14785
nuts 10210
Lariats 7231
Larries 7232
Larry coke wagons.....16576
Lashes, leather.....7233
Last blocks..... 915
lathes 7234
machinery 8520
thimbles 15527
& tenpin roughs.....12776a
Lasting tacks.....14684
Lasts & stands, shoe...13648
Latch needles.....15299
Latches, barn door.....7234
cupboard (see catches, cupboard, screen door) 2209
door 7234a
fire door.....7235
gate 7237
high speed 7277a
lavatory 7238
lever 7238a
night 7239
refrigerator 7240
screen & storm door...7241
shutter 7242
sliding door (locks & latches) 7567
spring 7243
thumb (see latches, gate) 7237
water closet.....7244
Lath binders & trimmers 7245
bolters 7249
expanded metal.....7247
metal 7248
mill machinery.....8521
mills & bolters.....7249
mills lath & picket....7251
oblong mesh 7250
trimmers 7245
wire 7251
wood 7251a
yarn 17117
wood (see lumber).....7648
work, contract 7251b
& picket mills.....7252
Lathe arbors 218
castings 2170d
center grinders 5629
centers 2277
chucks 2515
countershafts (bench lathe) 3274
dogs 3872
dogs clamp 3870a
hand rests.....5807
indicators 6562
jacks 6784
pans 10602
slide rests.....13774
sockets 13838
tools 15744
Lather brush, handles...5850
Lathes, all kinds.....7253
automatic wood turning 7253a
axe handle (see lathes, handle turning)....7275
axle turning.....7254
backing off.....7255
ball turning (see lathes, variety turning).....7307
barrel 7256
bench 7257
bobbin (see spool & bobbin machinery)...9177
bolt & stud.....7258
brass finishers.....7259
broom handle turning (see broom handle machinery) 7389
buffing & polishing....7260
car & driving wheel...7261
carving (see wood carving machinery) 9458
chasing (see lathes, brass finishers).....7259

No.

Lathes, chucking (see chucking machines).8022
crank pin (see crank pin turning machines) 8151
crankshaft turning ...7261a
cutting-off 7262
die reaming.....7263
drilling 7274
driving wheel.....7261
engine 7264
extension gap.....7265
face (see lathes, patternmakers') 7287
foot power.....7267
for turning sugar cane rolls 7268
forging (see lathes, engine) 7264
forming 7269
fox monitor (see lathes, brass finishers)7259
gap 7264
gauge 7270
geared head (see lathes, engine) 7264
granite column.....9211
granite polishing (see stone polishing machinery) 9211
grinding 7271
gun stock.....7272
gun turning & boring..7273
hand 7274
handle turning 7275
hard rubber.....7276
hat block.....7277
ingot (see lathes, engine) 7264
insulator 7278
jar ring.....7279
journal truing 7280
knurling 7281
laboratory 7282
last 7284
manual training.....7285
marble turning (see stone sawing machines) 9212
metal spinning (see lathes, spinning) ...7298
monitor (see lathes, turret) 7306
neck-yoke & singletree (see neck yoke & singletree machy.).....8645
oil groove cutting (see spiral oil grooving machines) 9167
optical grinding.....7286
patternmakers' 7287
polishing 7260
precision 7289
production 7289a
projectile boring & turning (see lathes, gun turning & boring) 7273
pulley turning.....7290
relieving 7255
roll turning.....7293
roughing 7294
rubber cutting 7294a
screw cutting.....7295
shaft turning.....7296
shell turning & boring.7296a
shoe last, turning (see lathes, last).....7284
singletree (see neck yoke & singletree machinery) 8645
speed 7297
spinning 7298
spoke 7299
spool (see spool & bobbin machinery).....9177
staff 7300
stone polishing.....7301
strapping 7302
stud 7268
threading 7302a
tool room 7302b
tree nail.....7303
trimming 7304
turntable 7305
turret 7306
variety turning.....7307
veneer (see veneer cutting machines).....9233
watchmakers' 7309
winding 7310
wood polishing.....7311
wood pulley.....7312
wood working.....7313
worm threading.....7314
yacht spar.....7315
zinc 7316
Lathing hatchets (see hatchet mfrs.).....5968
iron 5153
Lattice work, wood.....5603
Laughing galleries.....7317
Launch builders.....9951
engines (see also engines, marine, gasoline; engines, oil, 4382 & 4387)4420
steering cables 1777b
trimmings 15956

No.

Launches 9951
Laundry bags.....397
bluing 963a
buttons 1737a
chemicals 2440b
dryers (see clothes dryers) .....2756 & 2757
felts 4623b
irons, electric (see sad irons, electric).....12844
irons, gas (see sad irons) 12843
machinery 8522
marking machines.....8523
stoves 14416
tags 14705
tray plugs 11221
trucks 16027
tub covers.....8329
tub legs.....7377
tubs, artificial stone...7318
tubs, enameled iron (see bath tubs, enameled iron)..... 632
tubs, Euclid stone.....7319
tubs, glazed fire clay..7320
tubs, porcelain (see bath tubs, porcelain) 636
tubs, slate 7321
tubs, soapstone.....7322
wagons 16577
washing machines.....9392
water heaters.....6038
Laurent's acid 85a
Lava 7323
gas tips (see tips, gas burner) 15625
insulators 6669
Lavatories, folding.....7324
ship 7325
& fittings.....7326
Lavatory brackets.....1337
brushes 1550c
latches 7328
legs 7378
locks 7546
spring hinges.....6130
traps 15900
trimmings 7327
valves 16389
Lawn boots.....1148
canopies 1832
chairs 13328
clothes dryers.....2757
fences 4627a
furniture 5147
mower blades..... 862
mower grinders (see sharpeners, lawn mower) 13388
mower handles 5850a
mower handles.....5884
mower knives.....6994
mower oilers 10259
mower oils.....10312
mower rollers.....5884
mower sharpeners.....13388
mowers 7328
mowers, gasoline motor 7329
mowers, horse.....7330
rakes 12136
rollers 12622
settees 13328
shears (see shears, sheep) 13446
sprinklers 7331
spuds 14060
sweepers 14558
swings 14561
trimmers 15945
Laying machines, cloth.8050
Leach casting machines..8524
Leaching apparatus, tanners' 7332
cells 2226
Lead, acetate of 7332a
antimonial 7333
arsenate 7333a
bar 7334
bends 7346
black 853
blue 7335
blowers 942a
bullion 1652
burner torches.....15814a
burning outfits.....7336
cable encasing.....4317
calking (see lead wool).7348
came 7337
carbonate, white.....7337a
casting machines 8524a
castings 2171
chloride 7337b
chromate 7338
coating lohman process.7338a
coolers 3160
covered cable & wire..17015
dioxide 7338b
encased cables.....1779
ferrules 7346
figures 4683
filled stair treads.....14104
flange couplings.....3305
furnaces 5120
furnaces for galvanizing wire.....5090
gaskets 5209

No.

Lead, glaziers' 7339
hammer molds 9916
nard cocks 2820a
hyposulphide 7339a
ingots (see lead pig iron) 7341
joint remover 7340
lantern 7340a
lined bearings..... 680
lined fittings.....4815
lined iron cocks.....2826
lined kettles 6873a
lined pipe.....10946
lined tanks.....14775
lined valves.....16340
linoleate 7340b
melting furnaces.....5091
molding presses 11588b
molybdate 7340c
nails 10069
nitrate .....10151 & 7340d
oleate 7340d1
ores 10384
ornaments 10410
oxide .....7340e & 7497
oxide (litharge) 7340e
pans 10604
pencils 10798
peroxide (see lead dioxide) 7338b
pig 7341
pipe 10945
pipe benders..... 780
pipe bending iron.....6736
pipe couplings.3306 & 7342
pipe couplings & fittings 7342
pipe cutters.....8571
pipe expanding pliers.11167
pipe reamers or tap borers 12202
pipe, sheet & pig lead mfrs. 7343
pipe, tin lined.....10947
pipe & trap machinery.8525
pots 11432
power screws.....13217
presses 11588a
red 16840
refiners, electrolytic...7344
refining plants 7345
resinate 7345a
ribbon 7349
salts 7345b
scrap 13092
screws 13208
seal presses 11588c
seals 13247
sheet 7348
sheets 7345c
shot 13575
smelters 13783
softening furnace brick 1441
sugar of 7332a
sulphate 7345d
tacks 14689
tanks 14774
tape 14832
tempering 7345e
tempering furnaces 5092
tinted paint 7345e
traps 7346
tubing 16108
type founders.....16210
washers 16688
wedge & ornamental...7347
wedges 16726
weights 16740
white .....7347a & 16340
white in oil.....7347a
wool 7348
& tin lined stills.....14317a
& zinc rolling mills.12650
& block tin, ribbon.....7349
Leaded glass.....5457
glass shades.....13351
Leader heads.....6004
Leaders, cattle.....7350
dog (see chains, dog leads) 2321
fair 4524a
rain (see conductor pipe & eaves trough mfrs.) 3012
Leading wire.....16925
Leadite for pipe joints..7351
Leads, gill net.....7352
masons' (see plumb bobs) 11245
sounding 7353
Leaf, composition.....7354
gold 5526
openers, spring 10369a
spring oilers 10271
tobacco dryers.....4128
Lease rods.....15228
Leather 7355
aprons, rawhide.....14996
apron, worsted 14996
aprons 212
artificial 7356
artificial, imitation—substitute 7357
automobile tire.....7358
bags 398
bell cords 8200
belt dressing.....4003

No.

Leather belting (see belting, mfrs.') 734
belting butts 733
belting presses, hydraulic 11574
belting, woven..... 764
blacking 856
blacking machines.....8526
bleaching machines...8527
board machines.....8528
boards 980
boots, wooden sole....1149
brushing machines.....8529
buffing machines.....8530
butts, bends & sides...7359
cements 2264
coil washers for whips, etc 16640
colors 2891d
covering for iron pulleys 7360
creasers 3418
creasing machines.....8531
cups 3498
cutting machines.....8532
dryers 4128a
drying machines.....8533
embossing machines...8534
embossing plates.....11103
enameled 7366
envelopes 4426
finishing machines.....8535
fleshing & slating machines 8536
frictions 5021
gaskets 5210
gauges 5296
glazing machines.....8537
gloves 5510
goods (see specific article required)
grinding mills 9805
handles 5851
harness 7361
hat 7361a
horseshoe pads.....10490
hydraulic & valve.....7362
innersoling substitute..6621a
lace 7362a
lashes 7233
link belting, mfrs.'..... 744
loops 7611
making machinery, artificial 7696
measuring machines...8538
mechanical 7363
mechanical goods.....7364
mitreing machines.....8627
moistening machines...8630
nail 7365
nuts & buttons.....10225
oils 10313
packing 10461
pasting machines.....8751
patent 7366
picker 15308
polishing 7367
presses 11589
pressure rolls.....12681
punching machines....8539
putting-out machines..8540
reels 12266
register cords.....3200
rim pulleys.....11745
roller 15347
rolling mats.....9610
rolling & stoning machines 8541
scrap dryers.....4129
scrap shredders.....13609
scrubbing machines....8542
seasoning machines....8543
setting & stoning-out machines 8544
sewing machines.....9066
shafting rings 12464
shaving machines.....8545
skiving machines.....8546
slitting & finishing machines 8547
slotting machines.....9139
sole 13881a
splitting knives 6995
splitting machines ...8548
stains 14095
staking machines.....8549
stamping machines....8550
stuffing apparatus.....7368
testing machines.....9283
trucks patent 16033a
unhairing machines....8551
upholstery 7368a
valves 16341
washers 16639
waterproofing 16685
whitening machines...8552
workers tools 15745a
working machinery (see hide & leather working mchy.).....8443
"Leatheroid" roofing...12727
Leathers, clutch (see linings, clutch).....7466
decorative art.....3676
moulded 7368b
pump 7369
valve 7362

INDEX

INDEX

No.

Lecithin 7370
Ledger paper, linen.....10681
Ledgers, loose leaf (see loose leaf devices)...7612
Leese warpers.....15451
Legging buckles (see buckles, overshoe)...1621
springs 14022b
Leggings 7370a
sportsman's 7371
Legs, bench.....7372
closet seat.....7373
closet & urinal stall...7374
counter 7375
drain board.....7376
laundry tub.....7377
lavatory 7378
sink & wash tray.....7380
table 7381
urinal stall.....7374
Lehrs, annealing, window glass 7383
Lemon juice extractors..4503
squeezers 14078
yellow (see color mfrs.)
& orange reamers.....12200
Lenix belt drive Korap..7083
Lenses 7384
automobile head light..7385
automobile tail light..7385
binocular (see lenses, optical) 7385d
bullseye 7385a
condensing 7385b
flashlight 7385c
fresnal (see lenses, semaphore & ship signal lantern).....7385g
goggle (see lenses, optical) 7385d
microscope (see lenses, optical) 7385d
optical 7385d
photographic 7385e
projection 7385f
semaphore lantern.....7385g
ship lantern.....7385g
signal lantern.....7385g
spectacles (see lenses, optical) 7385d
toric (see lenses, optical) 7385d
Lepidolite 7385h
Letter boxes (see boxes, mail) 1247
carriers' satchels.....12924
clips (see clips, paper)2712
copying books.....1137
drop plates.....11104
drops 4091
filing cabinets (see filing cabinets & devices) 4706
folding machines (see circular folding machines) 8035
openers 10368
plates 11112
sizes twist drills.....4072a
tablets 14672b
trays 15923
& parcel combination mailing devices 9521
Lettering pallets.....10577
pens show card.....10811
Letters, aluminum.....7393
brass 7385i
bronze 7385i
bronze, for building fronts (see bronze tablets, etc.).....1496
changeable building directory (see building directories, changeable) 1642
decalcomania (see ornaments, transfer)..10414
glass 7386
harness 7394
metal 10183
milk can.....7387
office door.....7388
pattern 7395
porcelain sign.....7389
prismatic metal.....13685
sign 7390
sign, cast iron.....7391
transfer (see ornaments, transfer)....10414
wood 7392
& figures, aluminum...7393
& figures, harness.....7394
& figures, pattern.....7395
& figures, steel.....7396
Leukonin 7396a
Level books.....1139
gauges, liquid.....5297a
glasses 5487
sights 13634
Leveled German silver, patent 5432
Levelers, clod.....3464
coke 7397
coopers' 7398
road 12531
roller, for plates & sheets 7399
Leveling instruments.....6630
machines, barrel.....7734
machines for sheets...8553
plates & screws.....11145
rods 12567
Levels 7400
track 7401
Lever balance garment scales 15362
chucks 2516
guides 5713
handles 5851a
latches 7238a
presses 11590
punches 12009
shears 12433
switches 14591
valves 16342
Levers, automobile control 7402
brake 7403
for goosenecks.....7404
igniter 7405
& stirrups for cotton machinery 15421
Lewises, pin, chain, etc.7406
Liability insurance, employers' 6679
Library paste 10757
shelving & fittings, metallic 7407
trucks 16027a
License plates.....11105
Licorice, powdered.....7408
Lidded pipe.....10948
Lids, journal box.....7410
repair, curb box.....7411
stove 7412
Life boat releasing hooks.6373
boats 997
buoys (see life preservers) 7413
floats (see life rafts).. 997
preservers 7413
rafts 997
saving appliances 7413a
saving nets.....10120
Lift bridges, rolling.....1474
pumps 11854
Lifters, beet 7414
board, steam 7415
core (see bits, core)... 531
heel 7416
hot pan.....7417
lowerers & holders, pipe 10951
net 7417a
stove lid.....7418
tack (see claws or pullers, tack).....2633
transom (see lifts, transom) 7428
valve (see tools, valve removing) 15785
Lifting clevises, pump...2696
jacks 6795
magnets 9514
rod cleaners.....15229
screws 12153
trucks (see trucks, elevating) 16017
truck platforms.....11145b
Lifts, air (see lifts, pneumatic) 7425
air jet 7418a
armature (see lifts, motor car pit).....7424
ash (see hoists, ash)...6167
car 7424
hydraulic 7419
instep 7420
liquid 7420a
magnetic (see magnets, lifting) 9514
man 7421
mine car 7422
motor armature 7423
motor, car pit.....7424
pneumatic 7425
sash 7426
sewage (see sewage ejectors) 13336
sidewalk (see elevators, sidewalk) 4288
skylight 7427
transom 7428
water 7429
Light box hardware.....5919b
controls, for automobiles 3074b
elevators 4279
house bells (see bells, fog) 716
house builders 7430
metal punching machines 8876
ordnance 10373
rails (see rail mills, iron & steel).....12110
weight safes 12855a
& heavy ordnance....10373
& power switchboards.14565
Lighters & blasting fuse.7431
cigar 7432
gas 7435
gas, electric.....7433
range & gas.....7435
Lighting accessories, automobile 7435a
apparatus, car.....1921
electric, decorative....3678
fixtures bronze & benedict nickel.....7435b
fixtures industrial.....7435c
fixtures (outdoor) 7435d
generators, electric....5418
plants, electric, for yachts 4214
prism system (see glass, prismatic)....5467
sets, electric.....4215
springs, ignition 14022a
street 14471
system tanks 14776
systems, acetylene.....7436
systems, electric.....7437
systems, gas.....7438
systems, gasoline.....7439
transformer (see transformers) 15864
Lightning arresters..... 239
indicators 6563
rods 7440
Lights, axle, electric (see car lighting apparatus) 1921
automobile 7440a
car signal.....13638
carriage curtain.....7441
circus 2551
contractors' portable 3050 & 7441a
desk, electric.....7442
door key 7443
portable acetylene 7444
prismatic (see glass, prismatic) 5467
railroad portable.....12116
shaft 7444a
signal automobile tail (see lamps, signal)..7209
spot 7444b
stage, electric.....7445
telltale boards, marine. running 14938a
vault & sidewalk, plain & prismatic.....16467
Lignumvitae mallets.....9525
turnings 7447
wood 17029
Ligonier granite.....5560
Limbs, artificial 7447a
Lime, acetate of..... 13
bags 398a
bags, value.....7447a
burning kilns.....6910
carbonate 7447b
caustic 7448
chemical 7449
chloride 2483
chlorinated (see powders, bleaching) 11459
coolers 3160a
dryers 4129a
flour 7450
glycerophosphate (see calcium, glycerophosate) 1799b
grinding mills 9805a
ground & crushed.....7451
hook awls..... 339
hooks 6356
hydrated 7452
hydrating machinery..8555
hydrators 7452a
hydraulic 7453
hypophosphite (see calcium, hypophosphite)1799d
kiln brick.....1442
kilns, sugar refining...6911
magnesian, white.....7454
mfrs. 7455
mixing machines.....8556
packers (see packing machines) 8687
permanganate (see calcium, permanganate)1799g
plants 7455a
plungers 11253
pulverizing machinery..8555a
pumps 11886a
shovels 13589
slacking & mixing machines 8556
sowers & drills.....13892
spreaders 13988
sulphate 7455b
sulphide (see calcium, sulphide) 17991
sulphite (see calcium sulphite) 1800
sulphur solution.....7456
Vienna 7457
Limestone 7458
conveyors (see conveyors, rock & ore).....3130
ground & powdered....7459
screened 7460
Limit gauges.....5297
switches 14592
Lincoln milling machines.8604
Line gauges, printers'...5310a
hardware, pole 5939a1
materials, trolley.....15975
throwing guns.....5731
wire triangles.....15940
Lined acid resistent evaporators 4450
pipe 10948a
Linemen's belts..... 758
carts 2097
climbers 2697
pliers 11168
pulley blocks..... 916
shields 13520
splicing clamps.....2596
stages 14093
tool bags..... 434
tool belt 729
tools 15746
vises 16528
Linen hose.....6462
ledger paper.....10681
paper 10680
thread 15527
tire fabrics 15636
towels 15828
twine 16200
Liners, ball 7461
chute (see plates, chute) 11075
Compeb mill 7461a
cylinder 7562
locomotive guide.....7575
tube mill 7461
Lines, awning (see sash cord mfrs.).....12918
chalk 2411
clothes 2758
clothes, wire.....2760
deep sea sounding....13888
fish 4789
masons' 2411
measuring 7463
tow, automobile.....15822a
Lingoes, loom 15236
Liniment, chloroform....7463a
soap 7463b
Lining bars 3440
beveling machines, photo-engravers' 3557
brake 1354
car 1922
filler brake 1354a
furnace 7469a
machines, can 7933
machines, pulp 8860
nails 10079
paper 10682
Linings, bag, waterproof.7463c
ball mill 7463d
barrel, elastic paper....7463e
blast furnace (see brick, blast furnace) 1405
carpet 7464
case 7465
clutch 7466
controller 221
cupola 3486
digester 7468
flint 4873
flue 7469
for fireless cookers, aluminum 138
furnace 7469a
ladle (see brick, ladle).1440
ladle, cinder car.....7470
pump 7471
refrigerator 7472
refrigerator, slate (see slate stair treads & risers) 13747
smokestack 13790
socket 13821
socket, electric 7474
stove 14390
tin 7475
transmission (see linings, clutch) 7466
tube mill .....7463d & 16065
"Link Belt" chains.....2348
belt conveyors.....3119
"belt" silent chains....2348
belting 740
belting, leather 744
chains, detachable.....2319
cutters 3571a
Linkers & warpers, chain 15454
Links, automobile steering 329
chain 2287
chain repair 7476
connecting 7477
coupling 7484
drag 7478
for conveyors chains...7479
fusible fire door, etc....7480
grab 7481
lap 7482
renewable fuses 7482a
split 7488
steering, automobile.... 329
& pins, coupling.....7484
Linoleate, cobalt 2791d
lead 7340b
manganese 9538a
Linoleates 7485
Linoleic acid..... 36
Linoleum cements 2255
colors 2891e
fillers 4719
machinery 8558
mfrs.' 7486

No.
Linoleum points 11345
varnishes 16452
& floor cloth, machinery 8558
Linotype knives 6996
metals 9691
sawing machines 8269
Linseed cake coolers.....3158
cake packers 10443
cake packing machines.8688
cake trimmers 15946
cookers (see cottonseed oil machinery).....8137
grinding mills 9780b
oil machinery.....8559
oil presses.....11592
oil soap 13810
oil substitutes.....7487
oil & cake mills.....7488
Lintels, slate (see slate stair treads & risers).13747
Linters, cotton seed.....7488a
Lips, clam shell bucket..7489
dredge bucket.....7489
Liquefied chemicals & gases 2442
Liquid agitators 87b
air making machinery.8559a
aluminum 136
asphalt 264
bleach apparatus 15230
boiling furnaces 5093
carbon-dioxide 1938c
chemicals 2442
cinder cars 2042
compound forgings ...4952
filling machines 8560
fireproofing 4783a
fuel furnaces 5094
gases 2442
gold 5526a
level gauges 5297a
lifts 7420a
measures 9651
measures, copper 9646
measuring machines....8560a
micrometer gauges (see micrometer gauges).5303
nitroglycerin 10162a
putty for greenhouses .7490
scales 13037
soap 13811
soap dispensers.....13806
soap fixtures.....4829
weighing scales.....13037
Liquids, asphaltum 7491
banana 486a
bronzing .....1499.
red 7492
Liquor cocks 2827
faucets 4578
finish wire 16948
iron 6698
logs 7605
mixers 9375
pumps 11887
Liquors, bleaching (see bleach) 882
Lister shares 13383
Listers & corn & cotton planters, riding 7493
& drills combined 4076
& drills, riding 7494
& drills, riding, two row 7495
& drills, walking 7496
Listing, asbestos 253
jointer knives 6997
Lists, mailing 7496a
Litharge 7497
Lithium, benzoate 7497a
bromide 7497b
carbonate 7497c
chloride 7497d
iodide 7497e
ores 10384a
salts (see chemicals)..2437
Litho metal boxes & cans 1311
metal signs 13673
metal trays 15924
Lithograph inks 6613
paper 10688
stone knives 6998
Lithographers 7497f
Lithographers' blankets . 874
brushes 1551
presses 11593
Lithographic balls 464b
cans 1866
Lithographing stones ..14353
varnishes 16455
Lithopone 7498
Litmus 7499
Litter carriers 1936
Litters, folding (see stretchers, hospital).14480
Live rolls 12683
stock vacuum groomers5679a
Load binders 812
Loader, ditcher & grader, combined 3859
Loaders, alfalfa 7500
ballast 441
box car 7501
cane (see loaders, sugar cane) 7510
coal car 7502
Loaders, dirt 7504
grain car 7505
gravel, portable 11389
hay 7506
log 7507
portable wagon & truck 7508
rail 7509
sugar cane 7510
truck 7511
wagon 7511
weighers & baggers, grain 16735
& excavators 4466c
& unloaders, ballast.... 441
& unloaders, car.....7512
Loading booms 1141
chains 2349
derricks, log (see loaders, log) 7507
hoppers 6430
machinery 8563
trucks, automatic 15997
Loadometer (see jacks, track lifting) 6795
Lobster canners (see canned goods) 1829
Locators, pipe 7513
Lock bar pipe, steel....10949
boxes 1243
boxes, post office 1267
buckles 1620
corner box cutters 3572
corner box machinery.8561
corner boxes 1244
deck plates 11106
folding or edging machines 8259
gates 5225
jaw wrenches 17084
joint cast iron pipe ..10934
lever faucets 4581
lever hay forks 4972
mortising machines....8562
-nut bushings 1715
-nut plates 11107
-nuts 7515
-nuts, brass 7514
-nuts conduit (see bushing, outlet & locknut) 1715
-nuts & washers 7515
seam pipe 10950
seam pipe, spiral 10964
seam steel tubing....16119b
sets 13320
shield valves 16344
-stub check system ...7516
valves 16343
washer machinery 8562a
washers 7515
& lap seaming machines, can 7934
& loop stitch lacers, automatic 15227
Locked coil & locked wire rope 12761
Locker locks 7547
rings 12465
Lockers, metallic 7518
sheet steel 7519
steel 7520
Locking cocks 2828
devices, elevator door (see elevator safety locks) 4247
devices, prison cell ...7568
Locks, air 7521
air brake 7522
automatic chain 7524
automobile 7523
automobile tire 7525
automobile tool chest .7526
bank 7535
barn door 7567
beer case 7527
bicycle 7528
billiard cue 7529
book 7530
box 7531
broom 7533
buckle 7534
cabinet 7535
car 7536
casket 7565
chain, automatic 7524
chest 7535
cigar box 7537
clothes locker 7547
cupboard 7535
cylinder 7535
desk 7535
dog collar 7538
drawer 7535
elevator door 7539
elevator safety 4247
emergency exit door...7540
hasp 7541
jewel case 7535
key 7542
keyless 7543
lamp 7545
lavatory 7546
locker 7547
mortise 7547a
net 7548
night latches (see latches, night) 7239
oar (see row-locks)...12779
Locks, padlocks 7549
piano 7551
pin tumbler 7535
pole 7552
post office box 7553
railway signaling 7554
railway switch (see locks, car & switch).7536
refrigerator 7555
safe deposit 7556
sash 7557
sash, fireproof 7558
sash, ventilating 7559
sewing machine 7551
ship (see locks & knobs, door, house, etc.) ...7566
sliding door 7567
slot machine 7560
stall door 7561
store door 7566
suit case 7564
switch 7536
time 7562
tire automobile 7525
toilet 7546
tool chest 7535
tool chest, automobile.7526
trunk 7564
wardrobe 7535
& knobs, door, house, etc. 7566
& latches, sliding door.7567
& locking device, prison cell 7568
Locomotive arch brick (see locomotive tiles) 7532
axles 357
bell ringers 7571
bells (see bells, engine) 715
blow-off valves 16345a
boiler steel 14230
boiler thimbles 15527a
boilers, fire box 1028
box lubricators 7634
brakes 1369
cab curtains 3511
castings 2171a
cements 2256
clocks 2731
coal picks (see picks mattocks & grub hoes) 10856
coal station barrows.. 552
coaling coal chutes ...2539
coaling stations 7572
connecting rod boring machines 7823
connecting rod planing machines 8812
cranes 3370
cranes, electric 3358
cylinder cocks (see cocks, cylinder) 2809
cylinder planing machines 8313
derricks 3704
driving boxes 1245
driving wheel centers (see centers, car wheel) 2274
enamels 4311
engines, gasoline 4371
fire box boilers 1028
fire box, steel (see steel fire box plate) 14223
fire doors 3940
fire kindler 7574
flange oilers 10262
forgings 4952a
frame drilling machines 8229
frame slotting machines 9138
frame welding hammers 5774
furnaces 5095
gauge lamps 7190
gauges 5297b
gauges (see gauges, steam) 5330
gears, power reverse...5356a
grate shakers 13376
guide liners 7575
headlights 5984
headlights mine electric 5983a
heating apparatus 6058
injectors 6601
jacket iron & steel....7576
jacks 6792
lagging 7577
lubricators 7632
netting 7578
oil cups 7579
oilers 10261
paints 10556
plows 11196
reamers 12201
rod packing 10462
rope switching 12767
sanders 7580
scoops 13079
service tanks 14776a
spark arresters 241
springs 14000
stand pipes 14140
steam cranes 3371
stokers 14355c
taps 14359
Locomotive tiles 7582
tire heaters (see furnaces tire heating)..5128
torches 15815
traction engines (see engines, traction, various kinds)....4413 to 4416
train number indicators 6564
tubes (see tubes boiler) 16067
turntables air electric & hand power 16175
valve gear 5363
valves 16345
water cranes 3387
water strainers 14422
wrenches 17085
Locomotives 7583
compressed air 7585
contractors' 7592
dirt road .....4413 to 4413a
electric 7586
electric mine haulage..7588
friction drive 7589
gasoline 7590
geared 7591
industrial 7592
logging 7593
miniature 7598
oil burning 7594
pneumatic 7585
rebuilt 7595
second hand (see railroad equipments, second-hand) 12115
steam railroad 7596
storage battery 7597
traction .....4413 to 4416
& railways, miniature..7598
Lodge furniture 5140
Loft & office building directories, changeable 1642
Log calipers 1804
chains 2350
conveyors 3120
grapples (see hooks, grapple) 6341
hauls 7599
haul-up chains 2350a
hoists 6202
hooks or timber carriers 7600
jackers 7601
jacks 6793
loaders 7507
loading derricks (see loaders, log) 7507
setting indicators 6565
skidders 8563
skidding & loading machines 8563
stamps, steel 14134
turners 7602
Loggers' supplies 7603
Logging blocks 916a
by steam 7603a
cableways 1784
cars .....2042.
cranes 3372
engines 4331
locomotives 7593
machinery 8564
railways 12121
sleighs 13770
tools 15747
trucks 16023
wagons 16578
wheels 16788
wire rope 16976a
Logometers 7603a
Logs engine 7603b
gas 7604
liquor 7605
ship 7606
Logwood chips (see extracts, logwood) 4513
extracts 4513
knives 6999
Lohman process lead coating 7333a
"Lohmanized" steel sheets 14256
Long screws 13209
Loofah sponges 13946a
Loom (see conduits, interior) 3013
aprons 14998
attachments 15231
bolts 1090
chains, friction 2351
counters 3264
crank shafts 15232
forks 15233
frictions, cork insert .15234
harnesses 15197
knives 15235
knives, axminster 7000
knives, carpet 7001
lingoes 15236
pickers 15317
springs 14033
strapping 15237
temples 15238
Looms 15239
axminster 15240
bag 15241

INDEX

IMPORTANT The Numbers in this Index refer to the Classification direct and not the Page Number.

INDEX

No.

Looms, broad 15242
carpet 15243
cassimere 15244
circular 15245
cotton 15246
cotton blanket 15247
cotton duck 15248
curtain 15249
dress goods 15250
embroidery 15251
fancy 15252
felting 15253
fire hose 15254
gingham 15255
goring 15256
hand 15256a
Jacquard 15257
jean 15258
jute carpet 15259
plush 15260
rag carpet & rug 15261
ribbon 15262
rug 15263
silk 15264
suspender 15265
tire fabric 15265a
upholstery 15266
velvet 15267
webbing 15268
woolen 15269
worsted 15270
Loop machinery.....8919
Loopers 15271
Loops, asbestos covering (see asbestos material) 254
brass for top straps...7607
cross strap.....7608
hame 7609
hold-back 7610
leather 7611
martingale 9594a
wire 7611a
Loose leaf binders..... 813
leaf devices 7612
leaf metal parts.....7612a
leaf paper.....10684
pulley oilers.....10262
pulleys 11746
Loss of head recording gauges 5293
Lot markers, glazed clay.7613
Loud speakers, radio....7613a
Lounge hinges 6084d
Louvres 7614
corrugated wire glass..7614a
Loving cup bases..... 596a
Low-down combination water closets 16675
melting solder 13868a
phosphorous melting bars 575
pressure boilers (see pressure steam turbines) 16152a
pressure compressors...2966
pressure system pipe..10941e
pressure valves 16346
pressure whistles.....16335
service pumps.....11888
voltage generators.....5424
water alarms for boilers 104
Lower dryers 4129b
Lowerers, lifters & holders, pipe.....10951
Lowering gears 5386b
jacks, automatic 6763
Lubricants, automobile..7615
commutator (see compounds, commutator).2932
cylinder 7615a
gas engine (see lubricating oils & greases)7621
gear 7616
graphite 7617
grease cup.....7617a
machinery 7617b
mica 7618
mill 7617b
pneumatic tool.....11315
roller bearing.....7619
soapstone 13819
solid, for differential gears 7620
wire rope.....16967
& lards cutting 7230a
Lubricating compound mixers 9876
oil storage tanks.....14777
oils & greases.....7621
saddles 15356
Lubricator handles.....5851b
protectors 11695
pumps (see lubricators, oil pump) 7686
Lubricators, air brake...7622
air compressor.....7623
automobile 7624
candle 7625
car journal.....7626
electric motor.....7627
elevator guide.....7628
engine, brass, etc.....7629
force feed.....7631
graphite 7632
grease cup 7637
locomotive 7633
Lubricators, locomotive box 7634
loose pulley (see oilers, loose pulley)...10263
mechanical 7634a
multiple oiling.....7635
oil cup.....7637
oil pump.....7636
pneumatic tool.....11316
rock drill.....7639
sight feed.....7640
steam engine.....7641
thread 7642
Lug clasps.....2628
hook clasps.....2628
hook handles.....5821
hooks 6358
straps 15272
Luggage parcel carriers.1992a
Lugs, boiler.....7643
hinge 7644
rubber covered.....7645
tank 7646
terminal 7647
Lumber 7648
aeroplane 7648a
artificial 7649
asbestos building..... 247
ash 7650
basswood 7651
boxing 7651a
branding machines ...7869a
buggies 1637
carts 2093
cedar 7651b
cigar box 7651c
conveyors 3120
crating 7651a
crayons 3407
creosoted (see creosoting works).....3424
cypress 7652
dealers, wholesale 7648
dogs 3875
dollies 3880
dryers 4129c
drying kilns (see kiln drying apparatus mfrs. & kilns, dry), 6904 & 6909
edgers (see edgers gang saw) 4193
elm 7653
fir 7653a
fire-proofing of (see fire-proofing of wood) 4783
gauges 5299
gum 7654
hardwood (see lumber)7648
hickory 7654a
kyanized 7654b
mahogany 7655
mfrs. 7648
maple 7655a
maple (see flooring, maple) 4390
measuring meters.....9725
oak 7655b
pattern & flask stock.7656
pencils 10799
piling (see ties, poles & posts).....15565
pine 7656a
rollers 12622
rollers, car door.....12614
Southern hardwood....7657
spruce 7657a
stackers 14088
steel 7657b
templet 7658
terra cotta (see fireproof, hollow tile)...4780
trimmers 15947
trucks 16023
wagons 16579
wholesale dlrs. 7648
Lumbering hames.....5745
Lumbermen's hooks.....8359
rules 12813
socks 13847
tools 15747
Lumen bearing castings.2172
bronze bearings..... 681
Luminaries (see electric & gas light fixtures) 4220
Luminous arc lamps.....7148
bulbs (see bulbs, pull chain) 1647b
compounds 2940a
Lumpers 15272
Lunch boxes.....1246
kits, automobile.....7653a
wagons 16580
Luncheonettes 7659
Lunchroom stools 14362a
tables 14644a
Lustre oils.....10314
Lustres, ceramic 7659a
Lycopodium 7660
Lye 7661
M. M. M. metal valves..16347a
McAdamite metal.....9671a
"McClave" grates.....5582
Macadam plants.....7662
roads (see contractors, building & general)..3044
Macadamizing hammers .5775

No.

Macaroni machinery.....8565
paper 10685
presses, hydraulic....11575
Maceration pumps 11888a
Machetes .....6943 & 7663
Machine bearings 675c
bits, mining..... 836
bits, wood..... 837
bolt dies.....3776
bolts 1091
brushes 1545
builders 7663a
casters, washing 2144
chains 2352
drawn bearings 681b
drawn bushings 1713a
filers 4717
floor sanding 7663b
guards, wire.....5707
guns (see ordnance, light & heavy).....10373
handles 5852
indicators 6566
keys 6892
knives 7002
knives, barrel.....6929
knives, hoop 6991
knives, molding (see knives, wood working machinery) 7060
knives, paper box.....7015
knives, tack.....7052
knives, wood barking..7058
knives, wood working..7060
milling work.....7664
moulded gears.....5387
moulded pulleys 11747
nut taps.....14861
oilers 10254
oils, castor 10286
parts, finished.....7665
parts, hardened & ground 7666
parts, screw.....13176a
presses 11593a
products, automatic ..7666a
punches 12010
racks (see racks, cut).12061
recorders 12233a
riveted pipe.....10952
rules, divided steel...12819
screw nuts.....10211
screw taps.....14862
screw work (see screw machine products)..13177
screws 13210
screws, brass.....13188
shop furniture.....14220
shops 9502
taps 14860
tool attachments 7666b
tool bearings 675c
tool controllers.....3062
tool spindles.....13930
tool vises 16528a
tools 7667
wipers 16890
work, automatic.....7668
work for automobiles..7669
work, general contract.7670
Machinery accurate measuring 8579b
abattoir (see packing house machinery)...8686
abrading 7671
abrasive metal cutting.7672
acetylene gas.....8354
acid cleaning.....7673
adamantine coring well drilling 9402
adding 7674
addressing & mailing..7675
aeroplane 7676
aeroplane building ...9485a
air drying 7676a
air hoisting..... 98
airplane 7676
alfalfa 7677
aluminum rolling mill..7678
amatite paper.....7679
angle bending 7679a
angle iron cutting, hand power 7680
angle straightening....7681
angular & ratchet drilling 7682
annealing 8440
apple butter.....7683
apple evaporating.....7684
apple grating.....7685
apple paring.....7686
apple quartering.....7687
apple slicing.....7688
armature banding.....7689
armature coil taping..7690
armature disc notching.7691
armature straightening 7693
armature & field coil winding 7694
armor plate cold saw cutting 7695
armoring (cabling & armoring) 7914
artesian well (see well drilling machinery)..9402
artificial leather making 7696
Machinery, asbestos, compound mixing 7697
ash handling.....3103
asphalt 7697
assembling, wheel 7698
auger brick.....7699
auger brick & pug mill combined 7700
auger clot.....7701
automatic boring & tapping 7835
automatic bottle filling.7843
automatic buckle tongue 7893
automatic can stamping 7944
automatic cement weighing 7996
automatic chucking & turning 8023
automatic coat & hat hook 9427
automatic drilling 8216
automatic gate hook..8359
automatic hot rolled stock straightening & cutting.....8469
automatic index milling 8596
automatic packaging...7702
automatic pie making.8776
automatic piston & piston ring 8797
automatic ring forming 8913
automatic screw 9036
automatic shoe shining 9102
automatic spoke driving 9170
automatic turret 7703
automatic weighing...9393
automatic weighing, packing & bagging..9399
automobile, bicycle, sewing machine & typewriter 7704
automobile cylinder boring 7813
automobile parts (drop forged & sheet metal) 7705
automobile wheel.....7706
axe handle (see lathes, handle turning).....7275
axle cutting-off & centering 7707
axle straightening (see shaft straightening machines) 9075
axle testing 9268
axle upsetting 7708
axle welding & upsetting 7709
backing, book.....7798
bacon slicing.....7741
badge pin.....7710
bag closing.....7711
bag filling.....7712
bag making.....7713
bag, paper.....8699
bag printing.....7714
bag sewing.....9057
bag washing 7714a
bail making.....7714a
bakers' 7715
balancing, knife.....7717
balancing, pulley.....7716
bale tie.....7718
ball grinding.....8393
ball turning.....7719
ball winding 15001
balling 15002
balling twine.....15443
band building 7719a
band folding & cutting 15003
band re-sawing.....7720
band saw brazing.....7873
band saw filing & setting 7721
band saw grinding....5603
band saw patch.....7722
band saw setting.....7721
band saw sharpening..8021
band sawing, for metal.7723
band sawing, for wood.7724
band sprue sawing....7725
band & rip-saw boring & spoke tenoning, combined 7726
bandage splitting & rolling 15004
bandage (surgeons') cutting 7727
banding 15005
banding, armature....7689
bar bending 7727a1
bar cutting 7727b
bar drawing 8943
bar iron cutting (see cutters, iron bar & rod) 3566
bar pointing.....7728
bar twisting.....7729
barbing, wire.....9419
barbing, wire nail.....9423
bark cutting.....7730
barking, wood 9453

No.

Machinery, barley 7731
barley pearling 7731a
barrel boring.....7812
barrel branding.....7869
barrel hoop (see hoop machinery) 8457
barrel hoop driving...7732
barrel, keg, stave & heading 7733
barrel leveling.....7734
barrel trussing.....7735
barrel washing.....7736
bascule bridge.....7884
basket 7737
beading 7737a
beading, can.....7921
beading (crimping & beading) 8159
beading, eave trough, cornice, etc.....7738
beading & flanging, can 7922
beam coping.....7739
beam straightening 7740
bearings, textile 694a
bed spring, woven wire.9489
beef casing cleaning...8446
beef & bacon slicing...7741
beet sugar.....7743
beet sugar conveying..7743a
beet washing & slicing 7744
beetle 7745
belt chopping.....7746
belt cutting 7747
belt eye trimming (see belt making machinery) 7750
belt finishing.....7748
belt folding.....7749
belt lacing 727
belt makers'.....7750
belt sanding.....7751
belt scarfing.....7752
belt slitting (rubber belt) 8963
belt stitching.....7753
belt strapping.....7754
belt stretching.....7755
belt stretching (rubber belt) 8964
belt stripping 7757
bench drilling.....8217
bench filing.....8302
bench grinding.....5609
bench milling.....8597
bench planing.....8802
bench tapping.....9255
bending 7758
bending, chair back post 8005
bending, concrete reinforcing bar (see benders, reinforcing bar) 782
bending, conduit (see benders, conduit).... 778
bending coupling.....8142
bending, hand.....8417
bending, hydraulic.....7759
bending, keel plate, hydraulic 8501
bending or bulldozer..7897
bending, pipe.....8788
bending, splice.....7760
bending, tube.....7761
bending, wood.....9454
bending & forming....8335
bending & straightening, rail.....8899
berry box.....7762
bevel gear tempering..7763
bevel sawing 7765
beveling 7766
beveling binders' board 7772
beveling (punching, beveling, etc).....8872
bias fabric strip.....7767
bibb re-seating.....8289
bicycle spoke threading 9298
bifurcating 7769
billet piercing.....7770
binders' board 7772
biscuit 8149
blanching 7773
blanking, mitre.....8623
blacking, leather.....8526
blacksmiths' drilling...8219
blanking, nut.....8656
blast furnace.....7774
blast hole drilling.....7775
blasting 7776
blasting machine testers 14973
bleaching 15010
bleaching, leather.....8527
blending 7778
blending, flour.....8319
blind 9011
blind slat crimping...7779
blind slat sawing.....7780
blind stitch sewing ...9058
blind wiring.....7781
blocker, box.....7849
blocking, sole.....9157
blowing, bottle.....7838
blowing, glass.....8368
blue print coating..... 955

No.

Machinery, blue print washing & drying.....960
blue printing..... 962
bluing 15011
boat unloading.....7782
bobbin & spool.....9177
bobbin printing.....15013a
boiler cap reseating...7783
boiler flue safe ending.7784
boiler head flanging....8311
boiler makers' punching 8873
boiler testing.....9270
bolt 7793
bolt cutting.....7785
bolt forging 7786
bolt head trimming....7787
bold heading 7788
bolt pointing.....7789
bolt screwing.....7794
bolt tapping (see nut tapping machines)...8661
bolt threading.....7794
bolt upsetting.....7792
bolting 7795
bolting, saw.....7796
bone washing 7797
book backing.....7798
book casing-in.....7801
book covering.....7804
book gathering.....7803
book gluing.....7804
book indexing.....7805
bookkeeping 7805a
book sawing.....7806
book sewing.....7807
book stitching (see wire stitching machines) 9443
book trimming.....7808
bookbinders' 7800
bookbinders' cloth cutting 7799
bookbinders' stabbing..9186
boot (see shoe machinery) 9095
boot sewing.....9059
boring, barrel.....7812
boring, bracket.....7813
boring, bung.....7899
boring, car.....7966
boring, car box.....7814
boring, car wheel 7815
boring, condenser head.7816
boring, cylinder.....7818
boring, cylinder chamber 7819
boring, drilling, tapping & milling.....7809
boring, drilling & milling, combined.....7810
boring, drilling & tapting combined.....7811
boring, for electric wiring 7820
boring, hand 7821
boring, horizontal.....7821a
boring, hub.....7822
boring, jig 7822a
boring, locomotive connecting rod.....7823
boring, metal.....7824
boring, metal, horizontal 7825
boring, metal, vertical..7832
boring, mower frame..7826
boring, pneumatic.....8834
boring, porch column..8841
boring, portable.....7827
boring, post.....8843
boring, reaper frame..7826
boring, rod.....7828
boring, valve chamber.7819
boring, vertical.....7821a
boring, wood.....9455
boring, wood, multiple.9457
boring, wood pipe.....9473
boring & chucking, vertical 7831
boring & drilling, horizontal 7832
boring & facing.....8288
boring & milling, horizontal 7833
boring & mortising, hub 8472
boring & reaming.....7834
boring & tapping, automatic 7835
boring & turning, pulley 8856
boring & turning, vertical 7837
bottle blowing 7838
bottle box boring.....7839
bottle cap, paper.....8702
bottle capping.....7841
bottle corking.....7842
bottle filling, automatic.7843
bottle labeling.....7843a
bottle rinsing.....7844
bottle sealing.....7845
bottle washing & soaking 7846
bottle wiring.....7847
bottlers' 7848

No.

Machinery, box (box machinery is classified according to the character therof).
box blocker.....7849
box board.....7851
box board grooving....7850
box board matching...7852
box board printing....7853
box board sawing & finishing 7854
box cleating (nailing & cleating) 7861
box handle 7857
box hand hole cutting..7856
box hinging.....7858
box makers'.....7859
box nail feeding.....7860
box nailing & cleating.7861
box shook 7862
box shook tying.....7862a
box stapling (see wire stapling machinery).9442
box strapping.....7863
box trimming.....7864
box wrapping, paper...8718
boxing, can.....7924
boxing, hub.....8471
boxing, wheel.....9405
brace head 7866
bracket boring.....7818
bracket (insulator pin, etc.) 8488
braid calendering.....15022
braid rolling.....15023
braiding 7867
braiding, packing.....7868
braiding, rubber hose...8969
branding, barrel.....7869
branding, ham.....8416
branding, lumber 7869a
brass sawing.....7870
brass & copper rolling mill 7871
brazing 7872
bread crumbing.....7874
bread slicing.....9131
bread wrapping.....9490a
breaker 7874a
breaking, dough.....8194
breaking, hard waste.15024
brewers' & malsters'...7875
briar pipe.....7876
brick, cement.....7990
brick, cutting.....7877
brick, auger.....7699
brick, face.....8286
brick, fire.....8286
brick making.....7879
brick mould sanding..7880
brick press.....7881
brick, sand lime.....9001
brick setting.....7882
brick sizing.....7883
brick soft mud.....7878
brick testing.....9271
bridge, for bascule bridges 7884
bridge operating (see drawbridge machinery) 8207
briquetting 7885
broaching 7886
bronze powder 7887
bronzing 7888
broom 7890
broom handle.....7889
broom sewing.....9060
broom, whisk.....9411
brush 7891
brushing, cloth.....15059
brushing, leather.....8529
brushing & shearing, combined 15373
buckle 7892
buckle tongue, automatic 7893
buckwheat 7894
buckwheat hulling.....8474
buckwheat hulling shucking 9111
buffing, enameled brick 7895
buffing, leather.....8530
buffing, shoe.....7896
buffing & polishing (see lathes, buffing & polishing) 7260
building 7663a
building block, clay...8038
building block, concrete 8096
bulldozer or bending...7897
bunching, cigar.....8026
bundling 7898
bundling, scrap wire..9028
bung boring.....7899
burnishing 7901
burr cylinder grinding.8394
burring 15029
burring, nut.....8657
burring, wool (see burring machines).....15029
butchers' 7903
butchers' skewer.....7905
butt (hinge & butt)....8444
butter dish.....7907

No.

Machinery, butter printing & cutting.....7908
button 7909
button hole 7910
buzz planing.....8803
cabbage (canners').....7911
cabbaging 7912
cable covering.....9451
cable polishing.....9452
cabling, reel.....15237
cabling & armoring....7914
caging, mine car.....8614
caking, wax.....9397
calcined plaster (see gypsum machinery)..8412
calculating 7915
calendering 7916
calendering, braid....15022
calendering, cloth....15060
calendering, rubber....8965
calico printers' 15030
calipering 7917
calking 7918
calking, pipe.....8789
cam cutting.....7919
cam milling.....8598
cambering 7920
can beading.....7921
can beading & flanging 7922
can body forming.....7923
can boxing 7924
can burnishing.....7925
can capping 7926
can cleaning & washing 7927
can closing 7928
can, condensed milk...8098
can crimping.....7929
can earing (see soldering or fusing machines, ear).....9156
can filling.....7930
can heading.....7931
can labeling (see labeling machines).....8511
can lacquering 7932
can lining.....7933
can lock & lap seaming 7934
can makers'.....7935
can making, packers..8685
can making, sanitary..9008
can marking.....7936
can polishing.....7937
can righting.....7938
can salting.....7939
can scoring.....7940
can seaming.....7941
can slitting.....7942
can soldering.....7943
can stamping, automatic 7944
can sterilizing.....7945
can stuffing.....7946
can testing.....9272
can tipping.....7947
can top folding.....7948
can washing & cleaning 7927
can weighing.....7949
can wiping.....7950
can wrapping.....7951
can & jar washing....7952
canal digging (see shovels, steam).....13596
cancelling 7953
candle 7954
candy (see confectioners' machinery).....8104
candy vending (see vending machines)..9382
candy wrapping.....9491
cane-seat chair 7956
cane sugar.....7957
cane sugar conveying..7957a
canners' cabbage.....7911
canners' exhaust boxes 1829a
canners' fruit washing & scalding.....7958
canners' (oyster).....8679
canners', pea.....8754
canners' pulp making..8861
canners' syrup filling...9234
canners' (tomato).....9339
canners' viner feeding.7959
canning 7960
cant hook handle.....7961
canvas glove.....7963
capping 7964
capping, bottle.....7841
capping, can.....7926
capsule 7965
car boring.....7966
car box boring.....7814
car dumping.....7967
car shop 7967a
car spring.....7969
car spring coiling.....7968
car wheel boring.....7815
car wheel grinding....8396
car wheel molding (see molding machines, foundry) 8632
carbon 7971
carbon cutting.....7970
carbonating 7973
card board slitting 8737

INDEX

INDEX

No.

Machinery, card cleaner.15036a
card cutting.....7975
card grinding 15039
card stitching, Jacquard 15042
card & garnet, combined 15186
cargo transferring (marine transfer)...7976
carmel wrapping.....9491
carpet 15052
carpet cleaning 7977
carpet finishing.....15160
carpet fraying.....8339
carpet printing.....15053
carpet rolling.....15054
carpet sewing.....9062
carriage builders'.....7978
carriage spring.....7969
carton making (see box makers' machinery)..7859
carton sealing 7979
cartridge 7980
carving, corner block..7981
carving, spindle.....9165
carving, wood.....9458
case hardening.....7983
casing cleaning, hog & beef 8446
cast iron pipe cutting..7984
caster wheel drilling..8221
casting (see molding machines, foundry)..8632
casting, leach.....8524
castor oil 7986a
catsup 7987
ceiling 9091
celluloid 7989
cement 7991
cement brick.....7990
cement burial vault....9906
cement drain tile.....7994
cement molding (see concrete building block machinery) 8096
cement porch column..9906
cement post.....7992
cement roofing tile (see cement shingle machy.) 7995
cement sacking.....7993
cement sewer pipe.....7994
cement shingle.....7995
cement testing.....9275
cement weighing, automatic 7996
center grinding.....5610
centering 7997
centering, two spindle.7999
centering & cutting-off.8168
centrifugal (laboratory) 8000
centrifugal, nitrating..8651
cereal roasting.....8067
ceramic tile.....8001
chain link coiling.....8002
chain making 8003
chain mining.....8620
chain stitch sewing....9063
chain testing.....9276
chain welding.....8004
chair 8006
chair back post bending 8005
chair, cane seat.....7956
chair, seat.....8007
chamfering, die.....8176
chamfering & crozing..8008
change making.....8009
channeling, stone.....9206
charging, furnace.....8345
charging, open hearth.8010
check writing.....8011
cheese box.....8012
cheese box nailing....8013
cheese factory.....8014
chemical 8015
chenile 15055
cherry pitting.....8016
chewing gum.....8018
chewing gum wrapping.9492
chilling, oil.....8669
chinchilla 15056
chipping, heading.....8433
chisel grinding.....5611
chocolate 8020
chocolate coating.....8019
chopping, belt.....7746
chroming 15057
chuck work grinding..5651
chucking 8022
chucking, boring & turning, automatic...8021
chucking, wood.....9459
chucking & boring, vertical 7831
chucking and turning automatic) 8023
cider (see wine making machinery) 9418
cigar 8027
cigar box 8025
cigar bunching.....8026
cigar re-packing.....8028
cigarette 8031
cigarette box, tin.....8029
cigarette packing.....8032
cigarette pasting.....8750

No.

Machinery, cinder grinding 5612
cinder & slag.....9123
circle & flanging.....8034
circular folding.....8035
circular knitting.....15221
circular re-sawing.....8036
circular sawing (stone).9212
circular sawing (wood).9477
clamping, spring.....9180
clapboard 8037
clay building block.....8038
clay filtering.....8039
clay granulating.....8387
clay grinding.....8040
clay steaming.....9201
clay tempering.....8041
clay washing 8042
clay working.....8043
cleaning, carpet.....7977
cleaning, coffee & rice.8070
cleaning, cotton.....8135
cleaning, flaxseed.....8313
cleaning, hog & beef casing 8446
cleaning, mustard seed.8641
cleaning, smut.....9145
cleaning, yarn 15487b
cleaning & grading, grain 8381
cleaning & polishing, malt 8567
cleaning & washing, can 7927
cleat sawing.....8044
cleating & nailing, box.7861
clipping 8045
clipping, horse.....8463
clipping, oat.....8663
clock pinion drilling...8222
clock pinion turning...8046
clock & watch makers' 8047
closing, can.....7928
closing, for steel lead kegs 8048
cloth brushing.....15059
cloth calendering.....15060
cloth creasing.....8156
cloth cutting.....15062
cloth cutting (book binders') 7799
cloth cutting, folding & winding 15061
cloth doubling 15119
cloth finishing.....15161
cloth folding.....15167
cloth inspecting.....15064
cloth laying.....8050
cloth measuring.....15065
cloth mitreing.....8627
cloth moistening.....8630
cloth pasting.....8751
cloth rolling.....15066
cloth room sewing....15067
cloth shearing 9082a
cloth slotting.....9139
cloth stamping.....15068
cloth testing.....15431
cloth tubes.....15069a
cloth turning.....15070
cloth weighing 15469
clothes drying (see laundry dryers).....4127a
clothes pin.....8052
clothes pressing.....8053
clothes washing.....16662
clothing hanging 15071
coal breaker.....8055
coal car dumping (see car dumping machines) 7967
coal crushing (see crushers, coal & coke) 3452
coal cutting.....8056
coal cutting & loading.8057
coal drilling 8057a
coal handling.....8060
coal mining.....8617
coal punching.....8058
coal shearing & undercutting 8058
coal washing.....8059
coat & hat hook, automatic 9427
coating, blue print.... 955
coating, chocolate.....8019
coating, for roofing....8735
coating mill.....8061
cock grinding.....5613
cockle 8062
cocoa 8063
cocoa bean roasting...8067
cocoa plantation.....8064
code, electric 8064a
coffee 8066a
coffee cleaning.....8070
coffee cooling, stoning & elevating 8065
coffee grading.....8066
coffee granulating.....8388
coffee hulling.....8915
coffee mill.....8072
coffee mixing.....8628
coffee plantation.....8071
coffee polishing.....8068
coffee roasting.....8067

No.

Machinery, coffee roasting (complete plants) ..8069
coil taping armature...7690
coil winding (armature & field coil).....7694
coiling, car spring....7968
coiling, for match splits 8073
coiling, spring.....9182
coiling, wire.....8074
coiling, wire spring....9440
coin counting.....8075
coin operating.....9382
coin wrapping.....8076
coining 8077
coke crushing (see crushers, coal & coke) 3452
coke drawing & loading, 8078
coke handling 8078a
coke oven 8079
cold metal cutting-off.8583
cold rolling 8081
cold saw cutting, armor plate 7695
cold saw cutting-off...8082
cold saw cutting-off, multiple 8083
cold saw sharpening...8084
collapsible tube closing.8085
collapsible tube filling.8086
collar folding.....8087
collar molding 8088
collar seam dampening.8089
collar shaping.....8090
collar & cuff laundry..8091
collarette cutting.....15072
comb & hairpin.....8092
combined brushing & shearing 15373
combined drilling & milling 8246
combined garnet & card 15186
combined nibber & trimming 8648
combined shear & flanging 9083
commutator slotting...8093
compressed yeast.....8094
computing 8095
concentrating (see concentrators, ore).....2977
concrete brick (see cement brick machines) 7990
concrete building block 8096
concrete pipe.....7994
concrete products plant mixers 8069a
concrete reinforcing bar bending (see benders, reinforcing bar) 782
concrete roads, finishing machinery 8305a
concrete roofing tile..7995
concrete stripper block.8069b
concrete structural tile.8097
concrete testing.....9277
condensed milk.....8099
condensed milk can...8098
condenser head boring.7816
condensing, milk.....8593
conditioning, yarn....15488
conductor pipe & eave trough 8100
conduit 8101
conduit bending (see benders, conduit).... 778
conduit threading 8163
cone grinding 5616
confectioners' 8104
connecting rod planing, locomotive 8312
conveying (elevating & conveying) 8272
cooling, lard.....8518
cooling, vegetable canneries 8105
cooperage 7733
coopers' dowel.....6271
cop tube.....15084
coping 8106
coping, beam.....7739
coping, marble.....8571
coping, punching.....8874
copper casting 8106a
copper converting.....8107
copper rolling mill....7871
copper working.....8108
copying, photographic.8770
cord wood sawing & splitting 8505
cordage 8109
corduroy cutting.....15086
core box 8110
core cutting.....8111
core jarring.....8112
core making.....8113
core tapering.....8116
core testing.....8117
cork 8120
cork compound mixing.8118
cork cutting.....8119

No.

Machinery, corking, bottle 7842
corking, preservers'....8121
corking, wooden.....9488
corn cutting.....8122
corn husking.....8123
corn mill 8124
corn mixing.....8125
corn oil.....8126
corn shelling (see shellers, corn).....13492
corn silking.....8127
corner block.....8957
corner block carving..7981
cornice makers'.....8128
corporation cock inserting 8129
corrugated joint fastener driving.....8130
corrugated paper 8131
corrugating 8132
corset 8133
corset lace tipping.....9317
cotter drilling 8223
cotter pin.....8134
cotter & keyseat drilling 8223
cotton 15089
cotton batting.....15087
cotton cleaning.....8135
cotton cord cutting...15088
cotton felting.....15159
cotton ginning.....8136
cotton picking 8138
cotton tie 8139
cotton waste 15463
cottonseed cake packing.8688
cottonseed oil.....8137
cottonseed separating.9052
countersinking & drilling 8245
counting 8141
counting, pill & tablet.8780
coupling bending.....8142
coupling expanding....8143
coupling rolling.....8144
corn mill.....8124
coupling screwing.....8145
coupling tapping (see socket threading machines) 9151
coupling & pulley forcing 8146
covering, book.....7802
covering, roller.....15346
cow milking.....8147
crabbing 15092
cracker & biscuit.....8149
cracker & biscuit box, sheet metal 8148
cranberry assorting...8150
crank, case milling...8600
crank pin turning....8151
crank planing.....8804
crank shaft cold saw cutting-off 8152
crank slotting.....9137
crate 8153
crate slat cutting.....8154
crating, wire.....9423
crayon 8154a
creamery 8155
creasing, leather.....8531
creasing paper, cloth & strawboard.....8156
crimping, blind slat...7779
crimping, can.....7929
crimping, for tops on tooth powder boxes...8157
crimping, varnish can nozzle 8158
crimping, wire.....9424
crimping & beading...8159
crinkled paper 8159a
crocheting 15095
cross arm (insulator pin, etc.).....8488
cross cut bolting saw..8160
cross cut sawing (see drag sawing machines) 8205
cross tie.....8903
crozing & chamfering.8008
crucible paste mixing.8161
crushing, ice.....8478
cuff cutting.....15096
cuff, flat ribbed.....15097
culvert, metal.....8582
cup grinding.....5616
cupel 8162
curled hair.....8163
curtain pole.....8164
curtain pole sanding & finishing 8165
curving & forming....8336
cutlery polishing.....8166
cutter grinding.....5638
cutter head jointing...8498
cutting bar 7727b
cutting, bark.....7730
cutting, core.....8111
cutting, die.....8177
cutting, file 8298
cutting (for fabrics)...8167
cutting, ice 8480
cutting, metal high speed 8167b

No.

Machinery, cutting-off, cold metal 8583
cutting-off, cold saw...8082
cutting-off, cold saw, multiple 8083
cutting-off, wood.....9461
cutting-off & centering.8168
cutting-off & centering, axle.....7707
cutting (oxy-acetylene).8167a
cutting, plug 8833a
cutting, roofing tile....8954
cutting stencil 9202
cutting, tube (see cutters flue).....8554
cutting, window pocket.9416
cutting & pointing, dowel 8200
cyanide (see cyanide plants) 3623
cylinder boring 7818
cylinder chamber boring 7819
cylinder grinding 5617
cylinder planing, locomotive 8813
cylinder & fourdrinier paper 8338
dado 8170
dairy (see creamery machinery) 8155
dampening 15114
damping, collar seam...8089
dating 8172
dealers 9500
decating ....8172a & 15115
dental (electro-dental).8267
diamond drilling.....8173
dictating 8174
die casting.....8175
die chamfering.....8176
die cutting.....8177
die filing.....8303
die forming.....8177a
die grinding.....5618
die milling.....8601
die muzzling.....8177b
die plate hammering..8178
die sharpening.....8179
die sinking.....8180
die sinking & milling combined 8181
die slotting & shaping.8182
digging (see ditching machines) 8188
digging, canal (see shovels, steam) 13596
disc grinding.....5619
disc notching, armature.7691
disc punching 8875
disc sanding 8184
dish, butter 7907
dish washing.....8185
disinfecting 8186
dissolving 8186a
distillers' 8187
ditching 8188
ditching, railroad 8189
ditching, tile 8190
ditching, traction 8191
dividing, dough 8195
dividing, thermometer..9296
door (sash, door & blind) 9011
double end punching & shearing 8889
double head milling....8602
double seam & false wire 8192
double seaming.....8193
doubling, rubber.....8967
dough breaking.....8194
dough dividing.....8195
dough mixing & kneading 8196
dough molding.....8197
doughnut (see bakers' machinery) 7715
dovetail glue matching.8198
dovetail 8199
dowel 8944
dowel, coopers'.....8944
dowel cutting & pointing 8200
dowel door 8201
dowel driving.....8202
doweling 8203
doweling & jointer, heading 8434
drafting 8204
drag sawing.....8205
drain tile.....8206
draw bar testing.....9268
drawbridge 8207
drawing & loading, coke 8078
dredging 8209
dredging, gasoline.....8211
dredging, gold (see dredges, gold, etc.)..3994
dredging, hydraulic....8212
dressing, fish.....8308
dressing slate 9124
dried beef & bacon slicing 8213
drill grinding.....5620
drill sharpening.....8214

No.

Machinery, drilling 8215
drilling, angular & ratchet 7682
drilling, automatic.....8216
drilling, bench.....8217
drilling, blacksmiths'..8219
drilling, blast hole.....7775
drilling, boiler.....8220
drilling, caster wheel..8221
drilling, clock pinion...8222
drilling, cotter.....8223
drilling, deep hole.....8223a
drilling, diamond.....8173
drilling, frog.....8224
drilling, gang.....8225
drilling, gun barrel....8226
drilling, horizontal.....8227
drilling, keyseat.....8228
drilling, knee.....8228
drilling, locomotive frame 8229
drilling, multiple spindle 8230
drilling, portable 8231
drilling, radial 8232
drilling, radial, universal 8243
drilling, radial wall.....8233
drilling, rail 8234
drilling, rivet 8235
drilling, sensitive 8236
drilling, stay-bolt 8237
drilling, stone 9209
drilling, suspension 8238
drilling, switch.....8224
drilling, test hole.....9265
drilling, traverse 8240
drilling, tube hole.....8241
drilling, turret 8242
driling, universal radial 8243
drilling, upright (see drilling machines, vertical) 8244
drilling, vertical 8244
drilling, well 9402
drilling, wood, gang....9465
drilling & countersinking 8245
drilling & countersinking, slate 8245
drilling & milling, butt.7906
drilling & milling, combined 8246
drilling & reaming.....8247
drilling & tapping.....8248
drilling & tapping, combined 8249
driving, barrel hoop....7732
driving, dowel 8202
driving, spoke, automatic 9170
drop forging.....8251
drum filling machines (see can filling machines) 7930
dry pipe tapping.....9256
drying 8252
drying, cylinder rotary.4150b
drying, leather.....8533
drying machines, copper cylinder 15138
drying, metal 8584
drying, print works...15139
drying, veneer.....9384
drying & washing, blue print 960
duck slitting.....8253
duplicating (see duplicators) 4165
dyeing 15145
dyeing, skein 15146
dynamite shell.....8254
ear soldering or fusing.9156
eave trough 8100
eave trough, combination forming & beading 8256
eave trough cornice beading 7738
eave trough forming...8256
eave trough hanger....8255
eave trough wire hanger twisting 8257
edging 8258
edging grinding 5621
edging or lock folding.8259
edging saw.....8260
elbow seam closing....8261
electric cloth cutting..8262
electric grinding, portable 5636
electric heat treating...8265a
electric hoisting.....8448
electric power transmitting 8847
electric power & lighting 8263
electric pumping.....8869
electric, static.....9193
electric thawing 8263a
electric welding.....9401
electric wire making..8264
electrical goods mfrs.' (sheet metal).....8265
electrical porcelain....8266
electrical wire & cable covering 9451

No.

Machinery, electro-dental 8267
electro-plating 8268
electrotype 8270
electrotype sawing.....8269
electrotype trimming..8271
elevating, ice 8481
elevating & conveying.8272
embossing 8273
embossing, leather.....8534
embossing, pattern letter plate (see presses, type embossing)11657
embroidering 8274
embroidery 15149
emery grinding.....5622
enamel ware (sheet metal) 8276
enameled brick buffing.7895
end milling (see planing machines, rotary) 8113
engine cleaning waste.15464
engraving 8277
engraving, print works 15152
envelope 8278
envelope sealing 8279
envelope sealing, pay...9049a
envelope stamping 8844
equalizing, stave 9195
equalizing & cutting-off, wood 9462
evaporating, apple 7634
excavating 8280
excavating, portable....8281
excavating, sewer & trench 9055
excelsior 8282
expanded metal lath...8283
expanding, coupling....8143
expanding & flanging, pipe 8798
eye bending or eye bolt.8284
eyelet 8285
fabric cutting 8167
face brick 8286
facing, nut 8658
facing, spoke 9171
facing, three-way 8287
facing & boring.....8288
false wire 8192
family ice 8482
farming tobacco 9327
faucet re-seating 8289
feeding, box nail.....7860
feeding, paper 8725
feeding, pea 8755
felling 8290
felloe 7978
felt 15158
felt hardening 8291
felting, cotton 15159
fence, wire 8293
fertilizer 8294
fibre 8296
fibre cleaning 8295
fibre, hard fibre.....8297
field coil winding.....7694
file cutting 8298
file room 8299
filing 8301
filing, band saw.....7721
filing, bench 8302
filing, die 8303
filing, gin saw.....8367
filing, bag 7712
filling, bottle, automatic.7843
filling, can 7930
filling, collapsible tube.8086
filling, syrup, canners'..9234
filling, tube 9353
filter cloth washing....8304
filter mass washing.....8305
filtering, clay 8039
finishing, belt.....7748
finishing, carpet.....15160
finishing, cloth.....15161
finishing for concrete roads 8305a
finishing, knit goods..15162
finishing, leather.....8535
finishing, nut.....8659
finishing, tape.....15163
finishing, wool.....15164
finishing worsted.....15164
fire brick.....8286
fire door riveting.....8928
fire hose.....8306
fire proofing.....8307
fish dressing.....8308
fish line.....8309
fishing net.....8310
flaking 8313a
flanging 8311
flanging & beading, can 7922
flanging & circle.....8034
flanging, & shearing, combined 9033
flask stripping 8312
flat ribbed cuff.....15097
flattening, tobacco stem 9334
flax 15165
flaxseed cleaning.....8313
fleecing (see napping machines) 15295

No.

Machinery, fleshing & slating, leather 8536
flexible shaft 9073a
flexible metallic tubing.9358b
flint 8314
flint grinding (see mills, ball & pebble).....9761
floor cloth 8558
floor polishing 8315
floor scraping 8316
floor scrubbing 8317
floor surfacing 8318
flooring, wood 9464
flotation 8318a
flour blending 8319
flour mill 8320
flour sifting & mixing..8321
flower pot 8322
flue cleaners (see cleaners, boiler flue or tube, steam or power).....2650
flue welding 8324
fluting feed rod planing 8805
fluting & plating.....15322
fly inserting 8328
folding, belt.....7749
folding, box.....8329
folding, circular.....8035
folding, cloth.....15167
folding, collar.....8037
folding label.....8509
folding, letter (see circular folding machines) 8035
folding, paper.....8726
folding, shoe vamp edge 9106
folding, web.....15468
folding & cutting, band 15003
folding & cutting, rib.15343
folding & cutting, underwear 15168
folding & gluing, paper box.....8709
folding & measuring.15169
foot power planing....8809
foot power sawing.....8330
foot & hand power wood working.....9486
for tops on tooth powder boxes 8156a
forcing, coupling & pulley 8146
forging 8331
forging, bolt.....7786
forging, hydraulic (see presses, hydraulic forging) 11571
forging, pick eye.....8772
forging, pneumatic ...11281
forging & upsetting....9366
forgings 4952b
fork 9366
form milling.....8598
forming, can body.....7923
forming, eave trough..8256
forming, gutter.....8411
forming, hydraulic.....8334
forming, pan.....8696
forming, paper box....8710
forming, paper rule....8733
forming, ring, automatic 8918
forming, sheet metal..9037
forming, sheet metal pipe 8256
forming, slip roll.....9133
forming, wire 9427
forming & beading, eave trough 8256
forming & bending.....8335
forming & curving.....8336
foundry 8337
foundry molding.....8632
fourdrinier paper.....8338
framing, mine timber..8615
framing, timber.....9306
fraying, carpet 8339
freight handling (see conveyors, freight)..3111
frog drilling 8224
frog planing.....8807
fruit can 8340
fruit can testing.....9279
fruit grading & packing 8341
fruit package stapling (see wire stapling machines) 9445
fruit paring (see parers, fruit & vegetable) 10742
fruit washing.....9393
fruit wrapping.....9493
fruit & vegetable pulp rubbing 8342
fuel briquetting (see briquetting machines)7885
fuel, peat.....8761
fullers' earth 8343
fur manufacturers'.....8344
furnace charging 8345
furnace pipe seaming..8346
fusing, ear.....9156
gadder stone.....9209

INDEX

INDEX

No.

Machinery, gaining, timber 9307
galvanizing 8349
galvanizing, wire.....9428
gang drilling.....8225
gang punching.....8380
gang sawing (stone)...9210
gang sawing (wood)...9466
gang slitting.....9135
garbage disposal (see garbage disposal plants) 5186
garment pressing, steam 8351
garnett 15185
garnett & card, combined 15186
gas 8353
gas, acetylene.....8354
gas, air maxing.....8358a
gas, gasoline.....8355
gas burner drilling....8352
gas main tapping.....9257
gas, naphtha gas.....8356
gas retort house.....8357
gas singeing (see singeing machines).15383
gas works.....8358
gasoline dredging.....8211
gasoline gas.....8355
gasoline pumping.....8370
gassing 15187
gate hook, automatic..8359
gathering, book.....7303
gear cleaning.....8360
gear cutting.....8361
gear hobbing.....8362
gear molding.....5363
gear moulding 8362a
gear testing.....8363
gear tooth rounding...8364
gelatine coating.....8365
gimlet pointing screw..9037
gin saw filing.....8367
ginning, cotton.....8136
glass beveling.....8367a
glass blowing.....8368
glass decorating.....8369
glass house.....8370
glass, plate.....8328
glass polishing.....8371
glass testing.....9279a
glazing 8372
glazing, leather.....8537
glossing 8373
glove 8374
glove sewing.....9064
glue cutting.....8375
glue factory.....8376
glue jointing.....8377
glue mixing.....8629
glue spreading.....8378
gluing, book.....7804
glycerine 8379
gold dredging (see dredges, gold, etc)..3994
gold & silver rolling mill 8379a
grading, coffee.....8066
grading, road 12532
graduating 8380
grain cleaning sieves & screens 8380a
grain cleaning & grading 8381
grain elevator (& appliances) 8382
grain fan.....8383
grain scouring & polishing 8384
graining, wood.....9467
granite column cutting.9208
granite polishing (see machinery, stone polishing) 9211
granite sawing.....8385
granulating 8386
granulating, clay.....8387
granulating, coffee 8388
granulating, sugar.....8389
granulating, tobacco...9328
grape stemmer & crushing 8390
grating, apple.....7685
gravel washing 8390a
gravity incline.....8391
grease cake making...8391a
greasing machines pan.8695
green pea cleaning & grading 8392
grinding 8392a
grinding, ball.....8393
grinding, bench.....5609
grinding, burr cylinder.8394
grinding, car wheel...8396
grinding, card 15039
grinding, clay.....8040
grinding, disc.....5619
grinding, emery.....5623
grinding, face.....5651
grinding, flint (see mills, ball & pebble).9761
grinding, form cutter..8396a
grinding, hob cutter...8396a
grinding, ink (see mills, ink grinding).....9801

No.

Machinery, grinding, nail die & spring.....8397
grinding, quartz (see mills, quartz).....9814
grinding, rail.....8398
grinding, silex (see mills, ball & pebble).9761
grinding, spiral cutter.8401
grinding, spring.....9183a
grinding, thread 9296b
grinding, tobacco knife.9331
grinding, tumbler.....9360
grinding & mixing paint 8691
grinding & mixing, rubber 8968
grinding & polishing...8402
grommet setting 8403
grooving 8404
grooving, oil, spiral...9167
grooving, roll.....8948
grooving, sash.....9012
grooving, tinners'.....9314
grubbing 8405
gum tape.....8406
gun barrel drilling.....8226
gun barrel reaming....8407
gun barrel turning....8408
gun powder.....8409
gun stock.....8410
gutter forming.....8411
gypsum 8412
hack saw.....8414
hair pin & comb.....8092
hair scouring 15365a
hair washing.....8415
ham branding.....8416
hand bending.....8417
hand boring.....7821
hand hole cutting.....8418
hand milling.....8603
hand power planing...8809
hand riveting 8929
hand screw.....9038
hand shearing.....8419
hand squeezing.....9185
hand stamp makers'...8420
hand & foot power woodworking 9486
handle blank sawing...8421
handle polishing.....8423
handle scroll.....8424
handle throating.....8425
handle tumbling.....8426
handle turning (see lathes, handle turning) 7275
hank winding.....15483
hard fibre.....8297
hard waste breaking..15024
hardening, felt.....8291
hardness, testing.....9280
hardware 8427
harness 8428
harness riveting.....8429
harness sewing.....8430
harvesting (see harvesters, various kinds)
hat sewing 9065
hatters' 8431
hay unloading 8432
heading 7733
heading, bolt.....7788
heading, can.....7931
heading chipping.....8433
heading jointer & doweling 8434
heading jointing.....8435
heading planing.....8810
heading, rivet.....8921
heading, rod.....8942
heading rounding.....8436
heading, screw.....9034
heading turning.....8437
heading, upsetting & forging, combined...8438
heading & bending, wire spoke 9438
heading & pointing, picket 8773
heading & shingle sawing 8439
heating 8440
heel building.....8441
hide stamping.....8442
hide & leather working 8443
hinge & butt.....8444
hinging, box.....7858
hobbing, gear.....8362
hod hoisting (see elevators, hod).....4274
hoe rolling.....8445
hoeing, tobacco.....9329
hog casing cleaning...8446
hogshead, tobacco 9330
hogshead trussing (see barrel trussing machines) 7735
hoisting 8447
hoisting, hod (see elevators, hod).....4274
hoisting, pneumatic & electric 8448
hollow building block (see clay building block machinery).....8038

No.

Machinery, hollow chisel mortising 8450
hominy 8451
honey comb foundation.8452
hook applying.....8924
hook & eye.....8454
hook & eyelet setting..8455
hoop 8457
hoop driving (barrel hoop) 7732
hoop flaring, punching & shearing.....8456
hoop nailing.....8458
hoop punching.....8459
hoop riveting.....8460
hoop stapling.....8461
horizontal boring & drilling 7832
horizontal boring & milling 7833
horizontal drilling.....8227
horizontal metal boring.7825
horizontal punching...8877
horizontal tapping.....9258
horn working.....8462
horse clipping.....8463
horse collar.....8464
horseshoe 8466
hose braiding (rubber hose) 8969
hose, rubber mill.....8467
hosiery boarding machines automatic ..15207a
hosiery fabric testing..9281
hosiery knitting.....15222
hot forge nut.....8468
hot pressed nut.....8660
hot rolled stock straightening & cutting, automatic.....8469
hot sawing.....8470
household ironing.....8490
hub banding 7727a
hub boring.....7822
hub grinding.....5616
hub mortising & boring.8472
hub, spoke & rim.....8473
huller knife grinding..5626
hulling buckwheat 8474
hydrating, lime 8555
hydraulic 8474a
hydraulic bending.....7759
hydraulic dredging....8212
hydraulic forging (see presses, hydraulic forging) 11571
hydraulic forming.....8334
hydraulic keel plate bending 8501
hydraulic lifting riveting 8932
hydraulic mining.....8619
hydraulic planing.....8811
hydraulic punching....8878
hydraulic riveting.....8931
hydraulic riveting, portable 8933
hydraulic spring stripping 9184
hydraulic testing.....9282
I beam punching.....8879
ice chipping.....8475
ice cream.....8477
ice cream biscuit.....8476
ice cream cone.....8476
ice crushing.....8478
ice cube cutting.....8479
ice cutting 8480
ice elevating (see ice handling machinery).8481
ice, family.....8482
ice handling.....8481
ice, portable.....8483
ice recording.....8484
ice & refrigerating....8485
incandescent lamp making 8486
incline 8487
indexing, book.....7805
index milling, automatic 8596
ink grinding (see mills, ink grinding).....9801
inspecting, cloth.....15064
insulating, wire.....9451
insulator pin, bracket, etc. 8488
internal grinding.....5627
iron shop sawing.....9107a
ironing 8489
ironing, household.....8490
irrigating (see pumps, irrigating) 11883
jacquard card stitching 15042
jar ring (see lathes, jar ring) 7279
jarring (see molding machines, foundry)...8632
jarring, core.....8112
jewelers' 8492
jewelers' & opticians'..8493
jig boring 7822a
joggling, for ship yards.8494
joggling, plate.....8495
joint wiping.....8496
jointing 8497

No.

Machinery, jointing, cutter head 8498
jointing, heading.....8435
jointing, glue 8377
jointing, stave.....9196
jointing & planing.....8825
jute cordage.....15216
jute spinning.....15401
keel plate bending, hydraulic 8501
keg (barrel, keg, etc.).7733
keg scrubbing.....8502
keg washing (see barrel washing machines)..7736
key cutting.....8503
key-seat & cotter drilling 8223
key seating.....8504
kindling wood.....8505
kneading & mixing....8506
kneading & mixing, dough 8196
knee drilling.....8228
knife balancing.....8507
knife blade straighting.9215a
knife pleating 15322a
knife polishing & buffing 8508
knit goods finishing..15162
knitting 15220
knitting, circular.....15221
knitting, hosiery.....15222
knitting, rib.....15223
knitting, seamless....15224
kraut cutting (see cutters, kraut).....3568
label varnishing.....8510
labeling 8511
laboratory 8512
laboratory, centrifugal.8000
lace 15226
lacing, belt..... 727
lacquering 8513
lacquering, can.....7932
lacquering & varnishing, tin plate.....9312
lag screw threading...8514
lamp burner.....8515
land clearing 8516
lapping 8517
lard cooling.....8518
lard & butter pail (sheet metal).....8519
last 8520
lath mill.....8521
lath center grinding...5629
laundry 8522
laundry marking.....8523
laundry washing.....9392
laying, cloth.....8050
leach casting.....8524
lead casting 8524a
lead pipe & trap.....8525
leather blacking.....8526
leather bleaching.....8527
leather board.....8528
leather brushing.....8529
leather buffing.....8530
leather creasing.....8531
leather cutting.....8532
leather drying.....8533
leather embossing.....8534
leather finishing.....8535
leather fleshing & slating 8536
leather glazing 8537
leather making, artificial 7696
leather measuring.....8538
leather mitreing.....8627
leather moistening.....8630
leather pasting 8751
leather punching.....8539
leather putting-out....8540
leather rolling & stoning 8541
leather scrubbing.....8542
leather seasoning.....8543
leather setting & stoning out.....8544
leather sewing.....9066
leather shaving.....8545
leather skiving.....8546
leather slitting & finishing 8547
leather slotting.....9139
leather splitting 8548
leather staking.....8549
leather stamping.....8550
leather testing.....9283
leather unhairing.....8551
leather whitening.....8552
leather working.....8443
letter folding (see circular folding machines) 8035
leveling, barrel 7734
leveling, for sheets.....8553
light metal punching..8876
lime hydrating.....8555
lime pulverizing 8555a
lime slacking & mixing.8556
Lincoln milling.....8604
lining-beveling, photo-engravers 8557
lining, can.....7933
lining, pulp.....8360

No.

Machinery, linoleum & floor cloth 8558
linotype sawing.....8269
linseed cake packing..8688
linseed oil.....8559
liquid air making.....8559a
liquid filling.....8560
liquid measuring 8560a
loading 8563
lock corner box.....8561
lock folding or edging.8259
lock mortising.....8562
lock washer.....8562a
lock & lap seaming, can 7934
locomotive connecting rod boring.....7823
locomotive connecting rod planing.....8812
locomotive cylinder planing 8813
locomotive frame drilling 8229
locomotive frame slotting 9138
log hauling (see log hauls) 7599
log skidding & loading.8563
logging 8564
loop 8919
lubricants 7617b
lumber branding 7869a
macaroni 8565
mail opening.....10368
mailing & addressing...7675
maize 8566
maisters' 7875
malt 8568
malt cleaning & polishing 8567
manhole punching & shearing 8890
mantle 8569
mantle, ring.....8570
manufacturing milling.8605
marble coping.....8571
marble hole cutting....8572
marble molding & counter-sinking 8573
marble polishing (see stone polishing machinery) 9211
marble working (see stone working machinery) 9214
marking 8574
marking can.....7936
marking, laundry.....8523
marking, neck.....15296
marking, shoe vamp...9107
mashing 8575
match 8577
match box.....8576
match split coiling...8073
matching, box board..7852
matching wood.....8578
matching & planing...8826
matting weaving.....8579
mattress sewing.....9067
mattress, woven wire.9489
measuring 15275a
measuring accurate ..8579b
measuring, cloth, 8579a & 15065
measuring, leather....8538
measuring, scientific...8579b
measuring, wire.....9432
measuring, wire cloth 9421
measuring & folding.15169
meat can (sheet metal) 8580
meat can stuffing.....8581
meat slicing.....9131
mercerizing 15276
metal band sawing....7723
metal beading (see crimping & beading machines) 8159
metal boring.....7824
metal boring, horizontal 7825
metal boring, vertical 7832
metal cleaning 8582
metal cutting-off.....8583
metal drying.....8584
metal edge box.....8585
metal forming (see forming & bending machines) 8335
metal furniture (sheet metal) 8587
metal jig sawing.....8588
metal parts washing..9392a
metal power sawing...8589
metal sawing (see cold saw cutting machines) 8082
metal shaping.....9079
metal tank.....8590
metal testing.....9283a
metal working 8590a
metal working planing.8814
milk bottle sealing....8591
milk can washing.....8592
milk (condensed milk).8099
milk condensing.....8593

No.

Machinery, milk pasteurizing 8749
milking, cow..... ..8147
milling 8595
milling, automatic index 8596
milling, bench.....8597
milling, cam or form...8598
milling, combined horizontal & vertical.....8599
milling, crank case....8600
milling, die.....8601
milling, double head...8602
milling, drilling & tapping, radiator loop...8594
milling, end (see planing machines, rotary)8819
milling, hand.....8603
milling, Lincoln.....8604
milling, manufacturing.8605
milling, nut.....8606
milling, plain.....8607
milling, planer type....8608
milling, slab 8608a
milling, spline 8608b
milling, thread.....8609
milling, universal.....8610
milling, valve.....8611
milling, valve seat.....9370
milling, vertical.....8612
milling, wood 8613
milling & boring, horizontal 7833
milling & die sinking, combined 8181
milling & drilling, butt.7906
mine car caging.....8614
mine timber framing...8615
mine ventilating (see fans, mine ventilating) 4535
mining 8616
mining, chain.....8620
mining, coal.....8617
mining, hydraulic.....8619
mining, placer.....8800
mining & crushing, portable 8621
mitre blanking.....8623
mitre cutting.....8624
mitre sawing & clamping 8625
mitreing 8626
mitreing, paper, cloth & leather.....8627
mitreing, wood.....9468
mixing 8627a
mixing, asbestos compound 7697
mixing, coffee 8628
mixing cork compound.8118
mixing, corn.....8125
mixing, crucible paste..8161
mixing, glue.....8629
mixing (kneading & mixing) 8506
mixing, paint.....8691
mixing, paste.....8748
mixing, rubber.....8973
mixing, rubber cement.8966
mixing, sand.....9002
mixing, soap.....9149
mixing, smokeless powder 9144
mixing tea.....8628
mixing & kneading, dough 8196
mixing & sifting, flour.8321
mixing & slacking, lime 8556
moistening, paper, cloth, leather, etc...8630
molasses filling.....8631
molding 8631a
molding, cement (see concrete building block machinery) ...8096
molding collar 8088
molding, condensite products 8099a
molding, foundry.....8632
molding, rope.....8956
molding, sander 8633
molding, shellac products 9092a
molding, variety.....9374
molding, wood.....9470
molding & countersinking, marble.....8573
mop making.....8634
mortising, lock.....8562
mortising, pulley.....8358
mortising, wood.....9469
mortising & boring, hub 8472
mosaic cutting.....8635
mosaic & tile floor polishing 8636
motor fly wheel balancing 8637
mounting, tin 9311
moving picture.....8639
moving picture film....8638
mower frame boring...7826
multiple cold saw cutting-off 8083

No.

Machinery, multiple drilling (see drills, multiple spindle) 8230
multiple needle sewing.9068
multiple punching.....8880
multiple spindle drilling 8230
multiple spindle nut tapping 8662
multiple spindle screw.9039
multiple tapping.....9259
multiple wood boring..9457
music roll cutting.....8641a
muscle testing & lifting 8640
mustard seed cleaning.8641
muzzling, die.....8177b
nail feeding, box.....7860
nail keg stave.....8642
nail mill.....8643
nailing box.....7861
nailing, cheese box....8013
naphtha gas.....8356
napping 15295
neck marking.....15296
neck-yoke 8645
nibber & trimming, combined 8648
nickel, silver rolling mill 8648a
nipple cutting 8649
nipple threading.....8650
nitrating centrifugal...8651
noodle 8565
notching 8652
notching, armature disc 7691
nougat cutting.....8653
numbering 8654
numbering & lettering, wall paper 9389
numbering & paging...8655
nut 7793
nut blanking.....8656
nut burring.....8657
nut facing.....8658
nut finishing.....8659
nut, hot forge.....8468
nut, hot pressed.....8660
nut milling.....8686
nut screwing.....7794
nut tapping.....8661
nut tapping (multiple spindle) 8662
nut threading 7794
oat 8665
oat clipping.....8663
oat groats.....8664
oat meal.....8666
oil cake packing.....8667
oil cake trimming.....8668
oil chilling.....8669
oil cloth.....8670
oil, corn.....8126
oil, cottonseed.....8137
oil grooving, spiral....9167
oil, linseed.....8559
oil mill.....8671
oil testing.....9284
oil well (see well drilling machinery) 9402
oil well pulling.....8672
oil & waste saving.....8674
oil & waste saving presses 8674a
oiling, sheet metal.....9090
oleo & lard rendering..8675
open hearth charging..8010
open side planing.....8315
opticians' 8493
ore briquetting (see briquetting machines)..7885
ore handling.....8060
ore milling.....8676
ore reduction.....8677
ore washing.....8678
overseaming (see sewing machines).....9056
overseaming sewing....9069
oxidizing 15305
oyster canners'.....8679
oyster cultivating.....8680
package handling, for departm't stores, factories, etc.....8681
package heading-up...8682
package sealing & labeling 8683
packaging, automatic..7702
packaging cloth 15305a
packers' can making..8685
packing 8687
packing, braiding.....7868
packing, cigarette.....8032
packing, cottonseed cake 8687
packing house 8686
packing, linseed cake..8688
packing, oil cake.....8667
packing & grading, fruit 8341
padding 15306
paging 8655
pail 9350
pail handle.....8689
paint can.....8690
paint grinding, mixing.8691
paint spraying.....8692

No.

Machinery, painting, pneumatic 8885
pamphlet stitching 8694
pan cleaning & greasing 8695
panel raising.....8697
paneling wood.....9471
panning, wire, rubber covered 8966a
pantagraph 8698
paper, amatite.....5861
paper bag.....8699
paper board printing..8701
paper bottle cap.....8702
paper box.....8712
paper box corner cutting 8703
paper box corner staying 8704
paper box covering....8705
paper box cutting & scoring 8706
paper box edging.....8707
paper box ending.....8708
paper box folding & gluing 8709
paper box forming....8710
paper box gumming...8711
paper box printing.....8713
paper box sealing.....8714
paper box thumbhole..8715
paper box topping.....8716
paper box wire stitching 8717
paper box wrapping...8718
paper calendering.....8719
paper can.....8720
paper clip & fastener..8721
paper coating.....8722
paper covering.....8723
paper creasing.....8156
paper crinkled 8159a
paper cutting.....8724
paper feeding.....8725
paper folding.....8726
paper making 8727
paper milk bottle.....8728
paper mill.....8744
paper mill, wet.....9403
paper mitreing.....8627
paper moistening 8630
paper napkin.....8729
paper pail.....8730
paper pasting.....8751
paper punching.....8731
paper rewinding.....8732
paper rule forming....8733
paper ruling.....8734
paper saturating, coating & waterproofing..8735
paper scoring.....8706
paper shipping case...8736
paper slitting & rewinding 8737
paper slotting 9139
paper stapling 8738
paper stock thickening.8739
paper tapeing 8740
paper testing 9285
paper towel.....8741
paper tube.....8742
paper tube, rolling & cutting 9357
paper tube winding...15484
paper twine & cordage.8743
paper waxing 8743a
paper (wrapping paper) 9497
paper & pulp mill.....8744
papering 8745
paraffine wax.....8746
paraffining 8747
paring, apple.....7686
paste mixing.....8748
paste mixing, crucible..8161
pasteurizing 8749
pasteurizing, milk.....8749
pasting 8750
pasting, paper, cloth, leather, etc.....8751
patch, band saw.....7722
pate cutting.....9120
pattern letter plate embossing (see presses, type embossing)....11657
pattern makers' (see lathes, pattern makers') 7287
pattern shop sawing...8753
paving, asphalt 8753a
pea canners'.....8754
pea cleaning & grading.8392
pea feeding.....8755
pea hulling.....8756
peach pitting.....8757
peanut 8759
peanut butter 8758
peanut roasting.....8067
pearl button.....8760
pearling, barley, pepper, etc. 8760a
peat excavating 8760b
peat fuel.....8761
peeling, fruit & vegetable (see parers, fruit & vegetable)..10742

INDEX

INDEX

No.

Machinery, peeling & seeding, pumpkin ...8871
pepper pearling.....8760a
perforating 8762
petroleum can.....8763
pharmaceutical 8764
phosphate 8765
photo engravers'.....8766
photo engravers' lining beveling 8557
photo mount beveling..8767
photograph 8769
photograph card beveling 8768
photographic copying..8770
piano 15307
piano action.....8771
pick eye forging.....8772
picket heading & pointing 8773
picking, slate.....9128
pickling 8774
picture frame.....8775
pie making, automatic.8776
pieced tinware.....8777
piercing, billet.....7770
pig iron casting.....8778
pile driving.....11291
pill coating.....8779
pill making 8780
pin (see hook & eye machinery) 8454
pin (badge pin).....7710
pin pointing.....8781
pin, rod & dowel.....8944
pin (safety pin).....8997
pin sticking.....8782
pin (toilet pin).....9337
pineapple 8783
pinion cutting.....8784
pinion & wheel cutting.8786
pinking & scalloping..8787
pipe bending.....8788
pipe boring, wood.....9473
pipe (briar pipe).....7876
pipe calking.....8789
pipe crushing & shearing, combined.....8790
pipe cutter & die grinding 8791
pipe cutting, cast iron..7986
pipe cutting & threading 8792
pipe expanding & flanging 8793
pipe, lead.....8525
pipe polishing.....8794
pipe screwing 8794a
pipe seaming, furnace.8346
pipe socket reaming...8909
pipe socket tapping...9260
pipe straightening.....8796
pipe testing.....9286
pipe threading.....8792
pipe & tube mill.....8795
piston & piston ring, automatic 8797
pitching 8798
pitting, cherry.....8016
pivot polishing.....8799
placer mining.....8800
plain milling.....8607
plain tool grinding....5623
plaiting & fluting.....15322
planer knife grinding..5635
planer type milling....8608
planing, angle.....8801
planing, bench.....8802
planing, buzz.....8803
planing, crank 8804
planing, fluting feed rod.8805
planing, foot power sawing 8330
planing, frog.....8807
planing, hand power...8809
planing, heading.....8810
planing, locomotive connecting rod.....8812
planing, locomotive cylinder 8813
planing, metal working.8814
planing, open side.....8815
planing, plate.....8816
planing, pony.....8817
planing, rail 8818
planing, rotary.....8819
planing, slate.....8820
planing, stave.....8821
planing, stone.....8822
planing, switch.....8807
planing, traveling bed.8823
planing, valve seat....9371
planing, wood 8824
planing & jointing....8825
planing & matching...8826
plaster mill.....8827
plaster of Paris.....8827
plate glass.....8828
plate joggling.....8495
plate planing.....8816
plate scarfing.....8829
plate straightening ...8830
pleating, knife 15322a
pleating, side 15322a
plate work punching & shearing 8891
plating 8831
playing card 8832

No.

Machinery, plow handle..8833
plug cutting 8333a
pneumatic boring 8834
pneumatic forging ...11281
pneumatic painting ...8835
pneumatic hoisting 8448
pneumatic riveting ..11301
pneumatic rubbing 8990
pneumatic stone surfacing 11313
pneumatic wood boring 11323
pointing, bar 7728
pointing, bolt 7789
pointing, pin 8781
pointing, screw 9041
pointing, wire 9435
pointing & cutting, dowel 8200
pointing & heading, picket 8773
pole 9076
pole handling 8836
pole sawing 8837
polishing 8838
polishing, cable 9452
polishing, can 7937
polishing, coffee.....8068
polishing, cutlery 8166
polishing, floor 8315
polishing, glass 8371
polishing, handle 8428
polishing, malt 8567
polishing, marble (see stone polishing machinery) 9211
polishing, mosiac & tile floor 8636
polishing, pipe 8794
polishing, pivot 8799
polishing, rubbing & sanding 8991
polishing, shaft 9074
polishing, stone 9211
polishing, wire 9452
polishing, wood 9474
polishing & buffing knife.8508
polishing & grinding ..8402
polishing & sanding ..9007
polishing & scouring, grain 8384
polishing & scouring, wheat 9403a
pony planing 8817
pop corn 8839
porcelain 8840
portable boring 7827
portable drilling 8231
portable excavating ...8281
portable grinding 5636
portable ice 8483
portable mining & crushing 8621
portable rip & swing cross-cut saw 8842
portable riveting 8934
portable riveting, hydraulic 8933
portable slotting 9140
portable tapping & reaming 9261
post boring 8843
post, cement 7992
postage stamp affixing 8844
potato digging 3814
potato flour (see flour mill machinery) 8320
potato peeling 10742
pottery 8845
powder mill 8846
power squeezing 9185
power testing 9287
power transmitting, chain (see chains, power transmision)..2364
power transmitting, electric 8847
power transmitting, rope 8848
preservers' corking 8121
pressing, asphalt block 7697
pressing, clothes 8053
pressing steam, garment 8351
print works, drying ..15139
print works, engraving.15152
printers' roller making 8849
printing, bag 7714
printing, blue 962
printing, box board....7853
printing, carpet 15053
printing, paper board...8701
printing, paper box.....8713
printing presses & machinery 8851
printing, yarn 15489
printing & cutting, butter 7908
printing & punching ..8852
printing & rewinding, rotary 8958
profiling 8853
projectile 8853a
prospecting 8854
pulley balancing 8855

No.

Machinery, pulley boring & turning 8856
pulley, drilling & tapping machines 8857
pulley forcing 8146
pulley mortising 8858
pulling, core oven 8114
pulp drying 8859
pulp lining 8860
pulp making (canners')8861
pulp washing 8862
pulp wood barking (see wood barking machines) 9453
pulp wood chipping ...8863
pulp wood crushing ...8864
pulp wood rechipping .8865
pulp wood splitting ...8866
pulp & paper mill 8744
pulverizing 8867
pumicing, worsted ...15329
pump stock boring 9473
pumping 8868
pumping, all kinds ...8871a
pumping, electric 8869
pumping, gasoline 8870
pumping, horse power (see pumping outfits, horse power) 11784
pumping, sugar house..8870a
pumpkin peeling & seeding 8871
pumps 8871a
punching, beveling & trimming 8872
punching, boilermakers'8873
punching coal 8056
punching, coping 8874
punching, disc 8875
punching, for light metal, paper, etc. 8876
punching, gang 8880
punching, hoop 8459
punching, horizontal ..8877
punching, hydraulic ..8878
punching, hydraulic manhole 8890
punching, I beam 8879
punching, leather 8539
punching, multiple.....8880
punching, paper 8731
punching (printing & punching) 8852
punching, rail 8881
punching, rotary 8882
punching, screw 8883
punching, Stiles 8884
punching, structural steel 8885
punching & cutting combined 8886
punching & shearing ..8887
punching & shearing (combined) 8888
punching & shearing, double end 8889
punching & shearing, manhole 8890
plate work 8891
punching & shearing, & bar cutting,combined 8892
putting-out, leather ..8540
quarrying 8892
quartering 8893
quartering, apple 7687
quartz grinding (see mills, quartz) 9814
quilting 8894
rack cutting 8895
radial drilling 8232
radial drilling, universal 8243
radial wall drilling ...8233
radiator 8896
radiator loop milling drilling & tapping.....8594
rag cutting 8897
rag thrashing 8898
rail bending & straightening 8899
rail cutting 8900
rail drilling 8234
rail ending 8901
rail grinding 8398
rail planing 8818
rail punching 8881
rail sawing 8902
railroad crosstie 8903
railroad ditching 8189
railway sewing 9070
railway track laying ..8904
raisin 8905
rashel 15333
ratchet drilling 7692
rattan weaving 8906
raveling, yarn 15335
reamer fluting 8326
reamer grinding 5638
reaming 8908
reaming, counterboring & tapping, combined 8907
reaming, gun barrel ..8407
reaming, pipe socket...8909
reaming & boring 7834
reaming and drilling ..8247

No.

Machinery, reaming & tapping, portable ...9261
reaper frame boring ..7826
rebuilt 8909a
re-chipping, pulp wood 8865
reclaiming, cotton waste 8140
reclaiming, rubber 8974
reclaiming, scrap 12696
reclamation 8910
recording, ice 8484
recutting, linter saw...8779
reducing (see swaging machines) 9232
reel cabling 15337
reeling (see reels)).
refining, rubber 8975
refrigerating 8485
registering (see counting machines) 8141
rejointing, stave 9197
relasting 8911
rendering, oleo & lard..8675
rendering 8912
re-sawing, band 7720
re-sawing, circular ...8036
re-seating, boiler cap .7783
re-seating, valve 9369
rib cutting & folding 15343
rib knitting 15223
rice cleaning 8070
rice hulling 8915
rice mill 8914
rice plantation 8071
rifle barrel drilling & reaming machines....8915a
rift flooring 8916
righting, can 7938
rim 8473
rim bending 8917
ring forming (automatic) 8918
ring & loop 8919
rinsing, bottle 7844
rip saw 8920
rip & band saw boring & spoke tenoning, combined 7726
rivet 8922
rivet cutting 8920a
rivet drilling 8235
rivet heading 8921
rivet spinning 8923
rivet, wire 9436
rivet & hook applying..8924
rivet & staple setting 8925
riveting 8926
riveting, electric 8927
riveting, hand 8928
riveting, harness 8429
riveting, hoop ..8460 & 8930
riveting, hydraulic 8931
riveting, hydraulic lifting 8932
riveting, pneumatic...11301
riveting, portable 8934
riveting, rotary blow ..8935
riveting, spoke 8936
riveting, stake 8937
riveting, steam 8938
road grading 12532
rock drill sharpening ..8940
rocker cut-off sawing .8941
rod boring 7828
rod drawing 8943
rod heading 8942
rod mill 8942a
rod, pin & dowel 8944
rod & tube drawing...8945
rod & tube pointing ...8946
roll grinding 5641
roll grooving 8948
roll straightening & finishing 8949
roll threading 8950
roller covering 15946
rolling, braid 15023
rolling, carpet 15054
rolling, cloth 15066
rolling, coupling 8144
rolling, hoe 8445
rolling mill 8951
rolling mill, brass & copper 7871
rolling mill, gold & silver 8379a
rolling mill, nickel silver 8648a
rolling, screw cap 9031
rolling, screw thread...9046
rolling, scythe 9048
rolling, sheet lead.....9085
rolling & splitting, bandage 15004
rolling & stoning, leather 8541
roofing 8952
roofing paper 8953
roofing tile 8955
roofing tile, cement ...7995
roofing tile cutting 8954
rope (see cordage machinery) 8109
rope molding 8956
rope power transmitting 8848
rosette & corner block 8957
rotary planing 8819

Machinery, rotary printing & rewinding.....8958
rotary punching 8882
round cornering 8959
rounding, gear tooth...8364
rounding, heading 8436
rounding saw 9020
routing 8960
routing stair 9187
rubber band cutting ...8961
rubber belt making ...8962
rubber belt slitting ...8963
rubber belt stretching 8964
rubber calendaring 8965
rubber cement mixing .8966
rubber covered wire panning 8966a
rubber doubling 8967
rubber grinding & mixing 8968
rubber hose braiding ..8969
rubber hose making ...8970
rubber hose wiring 8971
rubber mill 8972
rubber mill hose 8467
rubber mill varnishing 9380
rubber mill wrapping ..9494
rubber mixing 8973
rubber reclaiming 8974
rubber refining 8975
rubber shoddy washing 8976
rubber slitting 8977
rubber solution 8978
rubber spreading 8979
rubber straining 8980
rubber strip cutting...8981
rubber testing 9288
rubber tire 8983
rubber tire applying....8982
rubber tube making ..8984
rubber tubing 8985
rubber varnishing 8986
ruber vulcanizing 8987
rubber warming 8988
rubber washing 8989
rubbing, pneumatic ...8990
rubbing, polishing & sanding 8991
rubbing, shoe seam ...9100
ruching ruffling 8992
ruling 8995
ruling, paper 8734
sacking, cement 7993
saddle seat 8996
safety pin 8997
safety razor blade sharpening 9081
sailmakers' sewing ...9071
salt making 8998
salt well 8999
salting, can 7939
sample card 15358
sample ore grinding....5643
sand blast 9000
sand grinding 5644
sand lime brick 9001
sand mixing 9002
sand molding 8633
sand paper making ...9003
sand papering 9004
sand sifting (see sifters, sand) 13630
sander, molding 8633
sander & boring 9005
sanding 9006
sanding (textile).....15359
sanding, brick mould ..7880
sanding, rubbing & polishing 8991
sanding & finishing, curtain pole 8165
sanding & polishing...9007
sanitary can making..9008
sanitary earthenware ..9009
sash chain 9010
sash, door & blind 9011
sash grooving 9012
saturating, for paper mills 9014
sausage making 9015
saw filing & setting ...9016
saw fitting 9017
saw grinding 5645
saw making 9018
saw mill 9019
saw setting (band saw)7721
saw sharpening 9021
saw sharpening (cold saw) 8084
saw stretching 9022
saw & chuck 9023
sawing, band, for metal 7723
sawing, band, for wood 7724
sawing, band sprue....7725
sawing, bevel 7765
sawing, blind slat 7780
sawing, book 7806
sawing, brass 7870
sawing, crosscut (see drag drawing machines) 8205
sawing, drag.....8205
sawing, electrotype....8269
sawing, foot power....8330
sawing, granite 8385
sawing, handle blank.8421
Machinery, sawing, heading 8439
sawing, hot.....8470
sawing, internal.....9024
sawing, iron shop.....8082
sawing, linotype.....8269
sawing, metal.....8082
sawing, metal jig.....8588
sawing, metal, power..8589
sawing, pattern shop...8753
sawing, pole.....8837
sawing, rail.....8902
sawing, scroll.....9047
sawing, shingle.....8439
sawing, splitting wood.9478
sawing, stave.....9198
sawing, stone.....9212
sawing, stone, gang...9210
sawing, variety.....9375
sawing, wood.....9476
sawing, wood, circular.9477
sawing, wood, gang...9466
sawing & clamping, mitre 8625
scallop 15364
scalloping & pinking...8787
scarfing 9025
scarfing, belt.....7752
scarfing, plate.....8829
scarfing (textile).....15365
scientific measuring ..8579b
scoring, box board.....7854
scoring, can.....7940
scouring, wool.....15366
scouring yarn 15367
scouring & buffing, shoe tip 9104
scouring & polishing, grain 8384
scouring & polishing, wheat 9403a
scow 9027
scrap reclaiming.....12696
scrap wire bundling....9028
scraping, floor 8316
screening 9029
screw 9035
screw automatic.....9036
screw blank heading...9030
screw cap rolling.....9031
screw cutting.....9032
screw driving.....9033
screw, gimlet pointing.9037
screw, hand.....9038
screw heading.....9034
screw, multiple spindle.9039
screw pointing.....9041
screw punching 8883
screw shaving.....9043
screw slotting.....9044
screw spike driving....9045
screw thread rolling...9046
screwing, bolt & nut...7794
screwing, coupling.....8145
scroll sawing 9047
scrubbing, floor.....8317
scrubbing, keg.....8502
scrubbing, leather.....8542
scythe rolling.....9048
sealing 9049
sealing, bottle 7845
sealing, carton.....7979
sealing for pay envelopes 9049a
sealing, envelope.....8279
sealing & labeling package 8683
seaming 9050
seaming, can.....7941
seaming, furnace pipe.8346
seaming, shoe.....9101
seamless knitting.....15224
seamless tubing 9051
seasoning, leather.....8543
second hand.....9501b
sensitive drilling.....8236
separating, cotton seed.9052
setting, band saw.....7721
setting, brick.....7882
setting, saw.....7721
setting spring 9183b
sewer cleaning.....9053
sewer pipe.....9054
sewer pipe, cement....7994
sewer & trench excavating 9055
sewing 9056
sewing, bag.....9057
sewing, blind stitch...9058
sewing, book.....7807
sewing, boot.....9059
sewing, broom.....9060
sewing, button.....9061
sewing, buttonhole (see buttonhole machines) 7910
sewing, carpet.....9062
sewing, chain stitch...9063
sewing, cloth room....15067.
sewing, darning.....9063a
sewing, glove.....9064
sewing harness 8430
sewing, hat.....9065
sewing, leather.....9066
sewing, marking 9063a
sewing, mattress.....9067
Machinery, sewing, multiple needle 9068
sewing, over-seaming..9069
sewing, railway.....9070
sewing, sailmakers'....9071
sewing, shoe.....9059
sewing, straw hat.....9072
sewing, whisk.....9060
shading, lithographers' & photo engravers'..9073
shaft 9076
shaft flexible.....9073a
shaft polishing.....9074
shaft straightening....9075
shaft turning.....7296
shafting 9077
shaping, collar.....8090
shaping, for steel foundries 9078
shaping, metal.....9079
shaping, wood.....9080
sharpening, cold saw..8084
sharpening, drill.....8214
sharpening, rock drill..8940
sharpening, safety razor blade.....9081
sharpening, saw.....9021
shaving, leather.....8545
shaving, screw.....9043
shavings washing.....9082
shearing angle iron (see shears, angle iron).13409
shearing & flanging, combined 9083
shearing, cloth 9082a
shearing, coal.....8058
shearing gate or guillotine (see shears, gate or guillotine).....13425
shearing, hand.....8419
shearing (punching & shearing) 8887
shearing, sheep.....9084
shearing & brushing combined 15373
shearing & punching, combined 8888
shearing & punching, double end.....8889
shearing & punching, manhole 8890
shearing & punching, platework 8891
sheep shearing.....9084
sheet lead rolling.....9085
sheet metal barrel & drum 9086
sheet metal forming...9087
sheet metal lath.....9088
sheet metal oiling.....9090
sheet metal pipe forming 8100
sheet metal plate stretching 9222
sheet metal threading.9299
sheet metal workers'..9091
sheet mill.....9092
sheet pile driving....11291
sheet work forging.....8332
shelling corn (see shellers, corn).....13492
sheradizing 9092a
shingle, cement.....7995
shingle mill.....9093
shingle sawing.....8439
ship building.....9094
ship deck 9094a
ship yard jogging....8494
shoddy 15374
shoe 9095
shoe buffing.....7896
shoe lace tipping.....9317
shoe nailing.....9096
shoe repairing.....9099
shoe seam rubbing....9100
shoe seaming.....9101
shoe sewing.....9059
shoe shining, automatic 9102
shoe stitching.....9103
shoe tip scouring & buffing 9104
shoe treeing.....9105
shoe vamp edge folding 9106
shoe vamp marking...9107
shop sawing, iron.....8082
shot 9108
shovel 9110
shovel, handle.....9109
shrapnel (see projectile) 8853a
shrinking & sponging, cloth 8051
shucking, buckwheat hulling 9111
shuttle 9112
side pleating 15322a
siding saw.....9113
sieve 9114
sifting 9115
sifting, sand 13630
sifting, stone.....9213
sifting & mixing, flour.8321
silex grinding (see mills, ball & pebble).9761
silk 15381
Machinery, silk testing..15482
silk waste.....15464
silking, corn.....8127
silver rolling.....9116
silver rolling mill.....8379a
singeing 15383
singletree 8645
sink & float testing...9289
sizing 9117
sizing, brick.....7883
sizing or spooling.....9118
sizing (textile).....15385
sizing, timber (see planing & matching machines) 8826
sizing, yarn.....15489a
skein dyeing.....15146
skein stretching.....9223
skelp charging, magnetic 9119
skewer, butchers'.....7905
skin or pate cutting...9120
skiving, strawboard...9121
slab milling 8608a
slack barrel.....7733
slacking & mixing, lime.8556
slag & cinder.....9123
slate 9127
slate dressing 9124
slate drilling & counter-sinking 9125
slate picking.....9128
slate planing.....8820
slaughter house.....9129
slicing, apple.....7688
slicing, beef & bacon..7741
slicing, bread, meat, etc. 9131
slicing & washing, beet.7744
slip joint.....9132
slip roll forming.....9133
slitting 9134
slitting, can 7942
slitting, cardboard.....8737
slitting, duck.....15140
slitting, gang.....9135
slitting, rubber.....8977
slitting, rubber belt...8963
slitting & finishing, leather 8547
slitting & rewinding, paper 8737
slot (see vending machines) 9382
slotting 9136
slotting, commutator..8093
slotting, crank.....9137
slotting, locomotive frame 9138
slotting, paper, etc....9139
slotting, portable.....9140
slotting, screw.....9044
slotting & shaping, die 8182
slubbing 15389
smashing 9141
smelting 9142
smoke test.....9143
smoked beef shaving..9131
smokeless powder mixing 9144
smut cleaning.....9145
snap fastener.....9146
soaking & washing, bottle 7846
soap makers'.....9148
soap mixing.....9149
soap (toilet soap).....9388
soap wrapping.....9495
soaping 15390
soapstone 9150
socket reaming (pipe-socket) 8909
socket threading.....9151
soft metal cap & capsule 9152
soft mud brick.....7878
solder ribbon making..9154
soldering 9155
soldering, can.....7943
soldering, ear.....9156
sole blocking.....9157
sole cutting.....9158
sole leather stripping..9159
sounding 9160
spark plug.....9161
special 9162
special automatic metal working 9161a
special designs, from...9501a
special designers of....9162a
spice mill.....8072
spike 9163
spinach canners'.....9164
spindle carving.....9165
spinning, jute.....15401
spinning, rivet.....8923
spinning, taper tube...9252
spiral cutter grinding.8401
spiral oil grooving....9167
spiral twist moulding..9168
spice bending.....7760
splicing 15404
spline milling 8608b
splitting leather.....8548
splitting, pulp wood...8866
splitting, wood.....9478

INDEX

INDEX

No.

Machinery, splitting & rolling, bandage ...15004
spoke 8478
spoke, auger.....9169
spoke driving, automatic 9170
spoke facing.....9171
spoke riveting.....8936
spoke tenoning.....9172
spoke threading (bicycle spoke).....9288
spoke throating.....9173
sponging & shrinking, cloth 8051
spool stock sawing....9174
spool stranding 15405
spool & bobbin.....9177
spooling, wire.....9439
spraying 9178
spraying, paint & whitewash 8693
spreading, felt 8292
spreading, glue.....8378
spreading, rubber.....8979
spring, bed.....9179
spring, car & carriage.7969
spring clamping.....9180
spring coiling.....9182
spring coiling, car.....7968
spring cutting & hook.9183
spring grinding 9183a
spring, hydraulic 9183b
spring setting 9183c
spring stripping, hydraulic 9184
spring testing.....9290
spring, wire.....9441
sprinkling 15417
sprue cutting.....8605
spun silk 15417a
squeezing, hand & power 9185
stabbing, bookbinders'.9186
stair routing.....9187
stake riveting.....8937
staking, leather.....8549
stamp affixing.....8844
stamping 9188
stamping, can, automatic 7944
stamping, cloth.....15068
stamping, hide.....8442
stamping, leather.....8550
staple 9190
staple setting.....8925
stapling 9191
stapling, wire.....9442
starch, factory.....9192
static electric.....9193
stave cutting.....9194
stave equalizing.....9195
stave jointing.....9196
stave, nail keg stave).8642
stave planing.....8821
stave rejointing 9197
stave sawing.....9198
stave & heading.....7733
staybolt drilling.....8237
staybolt threading.....9199
staying, automatic.....9200
steam riveting.....8938
steaming 15420
steaming, clay.....9201
steel 14230a
steel testing..... ...9291
stemming, tobacco.....9335
stencil cutting 9202
stereotype 9203
sterilizing, can.....7945
sterilizing & disinfecting, clothes.....9204
Stiles punching.....8884
stitching, belt.....7758
stitching, book (see wire stitching machines) 9443
stitching, card Jacquard 15042
stitching, pamphlet....8694
stitching, wire.....9443
stone channeling.....9206
stone channeling, steam, air & electric-air 9207
stone crushing (see crushers, rock, ore..8457
stone cutting.....9208
stone gadder or drilling 9209
stone gang sawing....9210
stone planing.....8822
stone polishing.....9211
stone sawing.....9212
stone separating & wheat washing.....9404
stone sifting.....9213
stone surfacing, pneumatic 11313
stone testing 9292
stone working.....9214
stove pipe & elbow.....9215
straightening, armature 7693
straightening, axle (see shaft straightening machines) 9075
straightening, beam...7740

No.

Machinery, straightening, for bars, squares, flats, etc. 9216
straightening, core wire 8118
straightening, pipe & tube 8796
straightening plate....8830
straightening shaft....9075
straightening, wire, roll & rotary.....9444
straightening & bending rail.....8899
straightening & cutting, hot rolled stock, automatic 8469
straightening & cutting, wire.....9445
straightening & finishing, roll.....8949
straightening & forming, wire.....9446
straightening knife blade 9215a
straining, rubber.....8980
stranding 9217
stranding spool.....15405
stranding, wire.....9447
strapping 15424
strapping box.....7863
straw hat, sewing....9072
strawboard creasing...8156
strawboard lining.....9218
strawboard skiving.....9121
street flushing.....9219
street railway sweeping 9220
street sweeping.....9221
stretching, belt 7755
stretching, rubber belt.8964
stretching, saw.....9022
stretching, sheet metal plate.....9222
stretching, skein.....9223
striking 9224
string bean.....9225
stripping 15425
stripping, belt.....7757
stripping, flask.....8312
stripping plate 9226
stripping, sole leather.9159
stripping, spring, hydraulic 9184
structural tile, concrete 8097
stucco 9227
stuffing, can.....7946
stump pulling & piling combined, gasoline & steam 9227a
sugar 9227b
sugar (beet sugar)....7743
sugar (cane sugar)....7957
sulphite fibre.....9228
sulphur 9229
sulphuric acid.....9230
suppository 9231
surface grinding.....5651
surfacing, floor.....8318
surfacing, stone, pneumatic 11313
surfacing, wood.....9482
suspension drilling.....8238
swaging 9232
sweeping, street.....9221
sweeping, street railway 9220
switch drilling.....8224
switch planing.....8807
syrup filling (canners').9234
syruping 9235
tablet 9237
tablet counting & boxing 9236
tabulating 9238
tack 9239
tack pulling.....9240
tag 9241
tailors' pressing (see clothes pressing machines) 8053
talking 9244
tamale making 9245
tannery 9248
tap fluting.....8326
tape cutting, insulating 9249
tape finishing.....15163
tapeing, paper.....8740
taper rolling.....9250
taper threading.....9251
taper tube spinning....9252
tapering, core.....8116
taping, armature coil...7690
tapping 9253
tapping, automatic ...9254
tapping, bench.....9255
tapping, bolt (see nut tapping machines)...8661
tapping, coupling (see socket threading machines) 9151
tapping, dry pipe.....9256
tapping, gas & water main 9257
tapping, horizontal....9258
tapping, multiple.....9259

No.

Machinery, tapping, nut.8661
tapping, nut, multiple spindle 8662
tapping, pipe-socket...9260
tapping, reaming & seating, valve.....9372
tapping & boring, automatic 7835
tapping & drilling.....8248
tapping & drilling, combined 8249
tapping & reaming, pneumatic (see pneumatic hammers)....11283
tapping & reaming, portable 9261
tapping & threading..9262
tea mixing.....8628
telephone core 9263
tempering, bevel gear.7763
tempering, clay.....8041
tenoning, spoke.....9172
tenoning, wood.....9483
tension, testing 9263a
tentering 15429
terra cotta.....9264
test hole drilling.....9265
testing 9266
testing, boiler.....9270
testing, brick 9271
testing, can.....9272
testing, car wheel.....9273
testing, cement.....9275
testing, chain.....9276
testing, cloth.....15431
testing, concrete.....9277
testing, core.....8117
testing, draw bar.....9268
testing, fruit can.....9279
testing, gear.....8363
testing, hardness.....9280
testing, hosiery fabric.9281
testing, hydraulic.....9282
testing, leather.....9283
testing, metal.....9283a
testing, oil.....9284
testing, paper.....9285
testing, pipe.....9286
testing, power.....9287
testing, rubber.....9288
testing, silk.....15432
testing, sink & float...9289
testing, spring.....9290
testing, steel.....9291
testing, stone.....9292
testing, tension.....9263a
testing (see testing machines, cloth, 15431; also testing machines, yarn, 15433).
testing, traction.....9293
testing, water meter..14988
testing, wire.....9295
testing, yarn.....15433
testing, indicating, file.8300
textile shearing 15372
thermometer dividing..9296
thickening, paper stock 8739
thrashing, rag.....8898
thread 15436
thread board, steel.....9296a
thread grinding 9296b
thread milling.....8609
thread rolling.....9297
thread rolling, screw..9046
threading, bicycle spoke 9298
threading, bolt.....7790
threading, conduit.....8103
threading, lag screw..8514
threading, nipple.....8650
threading, pipe & nipple 8794b
threading, sheet metal.9299
threading, socket.....9151
threading, staybolt....9199
threading, taper.....9251
threading & cutting pipe 8792
three-way facing.....8287
threshing (see threshers) 15545
throating, handle.....8425
throating, spoke.....9173
thumbhole cutting.....9301
ticket cancelling (see cancelling machines) 7953
tie doweling.....9302
tiering portable.....9303
tile ditching.....8190
tile making.....9304
tile sizing 9305
timber framing.....9306
timber gaining.....9307
timber preserving.....9308
timber sizing (see planing & matching machines 8826
tin can.....9309
tin cigarette box.....8029
tin foil..... 9310
tin mounting.....9311
tin plate lacquering & varnishing 9312

No.

Machinery, tin plate mill.9313
tinners'.....9091 & 15614c
tinners' grooving.....9314
tinning wire 9447a
tinware making (pieced & seamless).9316
tipping, can.....7947
tipping, corset & shoe lace 9317
tire applying.....9318
tire drilling 8239
tire rolling.....9320
tire setting (see setters, tire).....13332
tire welding 9322
tissue paper.....9323
tobacco 9332
tobacco box, tin.....9324
tobacco cleaning & separating 9325
tobacco cutting.....9326
tobacco farming.....9327
tobacco granulating...9328
tobacco hoeing.....9329
tobacco hogshead.....9330
tobacco knife grinding.9331
tobacco scrap cutting..9333
tobacco stem flattening 9334
tobacco stemming.....9335
tobacco wrapping 9496a
tobacco wringing 9335a
toilet paper.....9336
toilet pin.....9337
toilet soap.....9338
tomato canners' 9339
tomato crushing, pulping & finishing.....9340
tomato transplanting...9341
tool grinding (plain tool) 5623
tool grinding (wet tool) 5659
toothpick 9342
tow mill.....9343
towel (paper towel)...8741
trace trimming.....9344
track laying, railway..8904
traction ditching.....8191
traction testing.....9293
trademarking cloth 9345
transfer issuing.....9346
transmitting 8846a
transplanting, tomato..9341
traveling bed planing..8823
traverse drilling.....8240
treeing, shoe.....9105
trench excavating.....9055
trimming, belt eye (see belt maker's machinery) 7750
trimming, bolt head...7787
trimming, book.....7808
trimming, box.....7864
trimming, electrotype..8271
trimming, oil cake....8668
trimming (punching, beveling, trimming).8872
trimming, wood.....9485
trunk 9348
trunk slat staining & varnishing 9349
trussing, barrel.....7735
trussing, hogshead (see barrel trussing machines) 7735
tub & pail.....9350
tubbing 9351
tube bending.....7761
tube cutting (see cutters flue).....3554
tube cutting-off 9353
tube drawing.....8945
tube filling 9354
tube hole drilling.....8241
tube mill (pipe & tube mill 8795
tube pointing.....8946
tube reducing.....9356
tube rolling & cutting, paper 9357
tube straightening 8796
tube tapering.....9358
tube threading, mill type 9358a
tubing, flexible metallic.9358b
tufting 9359
tumbler grinding.....9360
tungsten lamp wire....9361
turning, ball.....7719
turning, bevel gear....7764
turning, clock pinion...8046
turning, cloth 15070
turning, crank pin....8151
turning, heading.....8437
turning & boring.....7836
turning & boring, vertical 7837
turning & chucking, automatic 8021
turpentine 9362
turret, automatic.....7703
turret drilling.....8242
twine balling.....15443
twine making (see cordage machinery).....8109

No.

Machinery, twisting, bar.7729
twisting, wire.....9448
type casting.....9364
type setting & type distributing 9365
typewriting (see typewriters) 16216
undercutting & shearing, coal.....8058
underwear folding & cutting 15168
unhairing, leather.....8551
universal grinding.....5656
universal milling.....8610
universal radial drilling 8243
universal wood working 9487
unloading, boat 7732
unloading, hay.....8432
upright drilling (see drilling machines, vertical) 8244
upset, forgings 4952c
upsetting, axle.....7703
upsetting, bolt 7792
upsetting & forging...9366
upsetting & welding, axle 7709
valve chamber boring.7819
valve grinding 5657
valve inserting.....9368
valve milling.....8611
valve re-seating.....9369
valve seat milling.....9370
valve seat planing.....9371
valve tapping, reaming & seating.....9372
valve wheel 9373
vamp edge folding, shoe 9106
vanning 16433
variety moulding.....9374
variety sawing.....9375
variety wood turning..9376
varnish can.....9377
varnish makers'.....9378
varnishing 9379
varnishing, label.....8510
varnishing, tin plate...9312
vegetable cannery cooling 8105
vegetable cutting.....9381
vegetable washing.....9393
vending 9382
veneer cutting.....9383
veneer drying.....9384
veneer taping 9384a
vermicelli 9385
vertical boring & chucking 7831
vertical boring & turning 7837
vertical drilling.....8244
vertical metal boring..7832
vinegar 9386
viner feeding, canners'.7959
voting 9387
vulcanizing, rubber....8987
wagon builders' 7978
wall paper.....9388
wall paper numbering & lettering.....9389
warming, rubber.....8988
washer cutting.....9391
washing, barrel.....7736
washing, bone.....7797
washing, can & jar....7952
washing, clay 8042
washing, clothes 9391a
washing, coal.....8059
washing, core sand....8115
washing, dish.....8185
washing, filter cloth & bag 8304
washing, filter mass...8305
washing, fruit.....9392
washing, hair.....8415
washing, keg (see barrel washing machines) 7736
washing, laundry.....9392
washing, metal parts..9392a
washing, milk can.....8592
washing, ore.....8678
washing, pulp.....8862
washing, rubber.....8989
washing, rubber shoddy 8976
washing, shavings.....9082
washing, vegetable....9393
washing, waste.....9395
washing & cleaning can7927
washing & drying, blue print 960
washing & slicing, beet 7744
washing & soaking, bottle 7846
waste, cotton 15463
waste, engine cleaning 15464
waste product, for packing houses.....9394
waste saving....8674 & 9394a
waste silk.....15466

No.

Machinery, waste washing 9395
watch case 9396
watch makers'.....8047
water main tapping...9257
wax caking.....9397
waxing, cloth 9397a
weaving, matting.....8579
weaving, rattan.....8906
weaving, wire 9422
weaving, wire cloth...9422
web folding.....15468
weighing, automatic...9398
weighing, cement, automatic 7996
weighing cloth 15469
weighing, packing & bagging (automatic).9399
welding, autogenous (see welding & cutting apparatus, oxy-acetylene) 16749
welding, electric.....9401
welding flue 8324
welding, oxy-acetylene.9401a
welding, tire.....9322
welding & upsetting, axle 7709
well drilling.....9402
wet, paper mill.....9403
wet tool grinding.....5659
wheat scouring & polishing 9403a
wheat washing & stone separating 9404
wheel 9407
wheel assembling.....7698
wheel boring (car wheel) 8632
wheel boxing.....9405
whisk broom.....9411
whisk sewing.....9060
white lead 9412
whitening, leather.....8552
whitewash spraying...8693
whiting works.....9413
willowing, wool.....15470
winding armature & Field coil.....7694
winding, ball 15001
winding, cloth.....15482
winding, for hydraulic dredges 9414
winding, hank.....15483
winding, paper tube...15484
winding, wire.....9450
window frame.....9418
window pocket cutting.9416
window shade.....9417
wine making.....9418
wiping, can.....7950
wire 9430
wire barbing.....9419
wire barrel hoop.....9420
wire bed spring, woven.9489
wire bending 9420a
wire cloth measuring..9421
wire cloth weaving....9422
wire coiling 8074
wire covering.....9451
wire crating.....9423
wire crimping.....9424
wire drawing.....9425
wire fence 8293
wire forming.....9427
wire galvanizing.....9428
wire handle.....9429
wire insulating.....9451
wire making, electric..8264
wire measuring.....9432
wire nail 9434a
wire nail barbing.....9433
wire nail cleaning.....9434
wire panning, rubber covered 8966a
wire pointing.....9435
wire polishing.....9452
wire rivet.....9436
wire rope making.....9437
wire spoke heading & bending 9438
wire spooling.....9439
wire spring.....9441
wire spring coiling....9440
wire stapling.....9442
wire stitching.....9443
wire straightening (roll & rotary).....9444
wire straightening & cutting 9445
wire straightening & forming 9446
wire stranding.....9447
wire testing.....9295
wire tinning 9447a
wire tungsten lamp....9361
wire twisting.....9448
wire weaving 9422
wire wheel.....9449a
wire winding 9450
wiring, blind.....7781
wiring, rubber hose....8971
wiring, sheet metal...9452a
wood barking.....9453
wood band sawing....7724
wood bending.....9454
wood boring 9455

No.

Machinery, wood boring, hand power 9456
wood boring, multiple.9457
wood boring, pneumatic 11323
wood carving.....9458
wood chipping (pulp wood) 8863
wood chucking.....9459
wood cutting-off.....9461
wood cutting, off & equalizing 9462
wood dish.....9463
wood embossing.....8273
wood fibre.....8296
wood flooring.....9464
wood gang drilling....9465
wood gang sawing.....9466
wood graining.....9467
wood matching.....8578
wood milling.....8613
wood mitreing.....9468
wood mortising.....9469
wood moulding.....9470
wood paneling.....9471
wood paving block 9472
wood pipe boring.....9473
wood planing 8824
wood polishing.....9474
wood printing (see box board printing machines) 7853
wood pulp grinding....5660
wood pulp wet (see wet machines, paper mill) 9403
wood ring & valve handle 9475
wood sawing.....9476
wood sawing, circular.9477
wood sawing, gang....9466
wood sawing & splitting 9478
wood scraping.....9479
wood screw.....9480
wood shaping.....9089
wood shaping & variety moulding.....9481
wood surfacing.....9482
wood tenoning.....9483
wood thread cutting...9484
wood trimming.....9485
woodworking 9485b
wooden corking.....9488
woodworking, aeroplane building.....9485a
woodworking, hand & foot power.....9486
woodworking, universal 9487
wool burring.....15029
wool finishing.....15164
wool scouring.....15366
wool willowing.....15470
woolen & worsted....15485
worsted finishing.....15164
worsted pumicing.....15329
woven wire bed spring machinery 9489
wrapper, cutting.....9490
wrapping, bread.....9490a
wrapping, can.....7951
wrapping, candy.....9491
wrapping, chewing gum 9492
wrapping, fruit & merchandise 9493
wrapping paper.....9497
wrapping paper box....8718
wrapping, rubber mill.9494
wrapping, soap 9495
wrapping, tire & wire.9496
wringing 15486
yard numbering, cloth.15486a
yarn cleaning 15487
yarn conditioning.....15488
yarn printing.....15489
yarn raveling.....15335
yarn scouring.....15367
yarn sizing.....15489a
yarn testing.....15433
yeast, compressed.....8094
zinc rolling mill.....9499
& parts, special.....9162a

Machines (see machinery).

Machinists & founders...9502

Machinists' chests, wood.2445a
clamps 2597
contracting 3042a
hammers 5776
hand lamps.....7170
hand taps.....14863
hand tools (see specific article required; also machinists' tools & supplies).
mallets 9524a
rules 12820
scrapers 13112
screws 13210
scribers 13237
squares 14068
tongs 15679
tools 15748
tools, supplies, dealers'.9503
vises 16529

No.

Machinists' work benches. 768
wrenches 17071

Mackintoshes 9505

Magazines, portable 9505a
stationery 9505b
portable storage & sidewalk 9506

Magma pumps 11889

Magnalium 9507

Magnesia boiler coverings 10987
brick 1443
pipe coverings.....10987

Magnesian white lime...7454

Magnesite 9508
brick 1444
cements 2257
ores 10385

Magnesium alloys (see ferro-magnesium) ...4650
calcined 9508a
carbonate 9508b
chloride 9509
chloride, calcium 1799e
ferro 4650
fluosilicate 9509a
manganese-silicon 9509a1
metallic 9509a
metals 9693
oxide 9509c
salicylate 9509d
sulphate 9509e

Magnet cores.....3211
cranes 3372a
heating furnaces.....5096
steel 14231
winders 15478
wire 16949

Magnetic chucks.....2517
clutches 2780
concentrators 2976a
drums 4098a

Magnetic friction brakes.1370
lifts (see magnets, lifting) 9514
pulleys 11747a
relays 12357
research instruments...6631
re-set circuit breakers..1392
separators 13305
separators, electro 13298a
separators, mineral....13305b
separators, wet 13305a
skelp charging machines 9119
spouts 13975a
switch controllers 3063
switches 14593
tack hammers 5777
valves 16346a

Magnetizers 9509f

Magneto files (see file & rasp mfrs.).....4691
generators 5425
parts 9510

Magnetos, sparking (see igniters, gas & gasoline engine).....6530
line engine) 6530
telephone 9511
testing 9512

Magnets, conveyor 9512a
electro 9513
high intensity 9513a
lifting 9514
permanent 9515
safety 9516
solenoid 9517
standard & special.....9517a

Magnifiers 9518

Mahogany lumber 7655

Mail bags 399
boxes 1247
boxes (rural mail)....1270
carriers 1989
catchers, railway.....9519
chutes for buildings...9520
cranes 3373
opening machines (see openers, letter).....10368
pouch racks.....12074
pouches 11450

Mailing bags..... 400
boxes 1248
boxes, optical 1260a
cards, coin 1961a
cases 2116a
cases for liquids.....2117
cases, screw cover....2126a
devices, combination letter & parcel.....9521
lists 7496a
tables 14653
tubes 16080
& addressing..... 66
& addressing machines.7675

Mails, brass & steel.....15274

Main bags, gas..... 391

Maize machinery.....8566

Make-up rules, printers'.12823a

Malachite, green 9522

Malleable annealing furnaces 5097
buckets & chains.....2391b
foundry plants (see foundry plant equipments) 4994

INDEX

INDEX

No.

Malleable furnace shapes, brick 1445
iron castings.....2174
iron flangers.....4843
iron founders (see founders, malleable iron).2174
iron lamps (see castings, malleable iron).2174
iron return bends..... 785
iron ties.....15553a
iron torches.....15816
iron washers.....16642
melting furnaces.....5097
railing fittings 4815a
unions 16231b
Mallets, caiking.....9523
carpenters, printers, tinners', yard.....9524
lignumvitae 9525
machinists & metal workers 9524a
metal workers 9524a
printers' 9524
rawhide 9526
rubber 9527
tinners' 9524
wooden 9528
yard 9524
Malt cleaning & polishing machines.....8567
dryers 4122
house builders 9529
kiln floors.....4895
kilns 6912
machinery 8568
mills 9806
Malting drums.....4099
Maltsters' machinery & supplies 7875
Man lifts.....7421
Mandrel extractors.....4504
presses (see presses, arbor) 11472
Mandrels 9530
blacksmiths' 9534
expanding 9531
hardened & ground....9532
hub 9533
saw 9535
taper (see mandrels)..9530
Mane combs.....2911
Manganese 9536
alloys (see ferro-manganese) 4651
borate 9536a
boron 9537
bronze 1492
bronze alloys..... 125
bronze billets..... 806
bronze castings.....2175
bronze forgings.....4953
bronze ingots.....5594
bronze rods.....12568
bronze sheets.....13482
carbonate 9537a
chains 2354
chloride 9537b
copper 3178
dioxide 9538
dioxide carbon.....1940
ferro 4651
frogs 5025a
linoleate 9538a
metals...9539, 9539a & 9694
ores 10386
oxide (see oxide of manganese) 10434
peroxide 9539b
recovered 9539c
resinate 9539d
silicon 13696
steel castings.....2176
steel conveyor parts...3085
steel forgings.....4954
steel plates.....11109
steel repair parts.....9540
steel safes.....12856
steel screens.....13145
steel sheets.....13483
steel sprockets 14054a
steel track work.....9541
sulphate 9541a
switches 14592a
titanium 9541b
welding rods 12746a
Manganesite compounds..9541c
Mangers, feed 9542
Mangin mirrors 9851
Mangle rollers 12624
Mangles, ironing (see laundry machinery)..8522
Mangrove bark..... 520
Manheads, yokes, etc., pressed steel 9543
Manhole covers 3330
doors 3941
gaskets 5210a
guards 5697
junction boxes.....1249
pumps 11890
punching & shearing machines 8890
steps, sewer 13338
Manholes, boiler, flanged.1006
ship 9543a
Manicure, files 4700
handles 5853a
instrument handles....5853a

No.

Manicure knives 7003
school & toy specialties 13905
sets 9544
sets, cased 9544a
scissors 13067
Manicuring, tables.....14653a
Manifests, railroad.....12117
Manifold paper.....10686
Manifolding paper, railroad 10702
Manifolds 9545
Manila drilling cables....1777
gum 5719c
paper 10687
paper, butchers' 10638
paper, railroad.....10703
rope 12763
rope sheaves.....13465
switch rope (see rope, manila, transmission) 12762
tissue paper 10720
transmission rope.....12762
Manometers 9546
Mantel grate & tile dealers 9547
machines 8569
rag machinery.....8570
Mantels, brick.....9548
faience (see architectural faience)..... 233
grates & fenders.....5580
marble (see marble interior work).....9574
marbleized iron.....9549
marbleized slate.....9550
mosaic 9551
onyx (see onyx workers) 10362
slate 9552
Mantels, terra cotta (see terra cotta, architectural) 14964
wood 9553
Mantle chemicals, incandescent light 2441
knittings 15275
machines 8569
ring machinery 8570
wire, gas 16939
Mantles, arc 9554
incandescent gas 9555
Manual, fire, thermostatic & automatic system alarms 103
training benches..... 769
training forges.....4929
training lathes.....7285
training vises.....16530
Manufacturers' distributors 9557
Manufacturing milling machines 8605
Manure hooks.....6270
salts 12884
spreaders 13989
Map paper 10688
rollers 12624a
Maple flooring.....4890
lumber 7655a
sap buckets.....1601
sugar evaporators.....4451
sugar molds 9917
sugar & syrup makers' supplies 9558
syrup cans 1852
Maps 9559
Marble altars 9560
artificial 9561
Basseville 9562
Carrara 9563
colored, foreign.....9564
columns, artificial (see marble, artificial)...9561
columns, monolithic...9565
coping machines 8571
crushed, graded.....9566
cutter bit knives.....7003
cutters' hammers.....5798
drills 4041
dust mfrs.....9567
electric work (see marble interior work)...9574
exterior work.....9568
flour (see marble dust).9567
for terrazzo.....9569
Greek 9570
green 9571
hole cutting machines..8572
importers 9572
importers, Italian.....9573
interior work.....9574
mantels (see marble interior work).....9574
molding & countersinking machines.....8573
mosaic cube importers (see mosaic cube importers) 9942
mosaics (see mosaics, floor) 9943
polishing machines (see stone polishing machinery) 9211
polishing rings.....12466

No.

Marble polishing wheels.16790
producers 9575
pulpits 11767
Rosso Antico.....9576
royal Irish green.....9577
serpentine 9578
statuary 9579
substitutes 14509a
terrazzo 9580
Tinos 9581
turning lathes (see stone sawing machines) 9212
Vert d'Estours.....9582
wholesale 9583
work, plumbers'.....11250
work, spring hinges....4680
workers' tools (see tools, granite & stone cutters) 15734
working machinery (see stone working machinery) 9214
Marbleized glass ceilings.2218
iron mantels.....9549
slate mantels.....9550
Marbles, playing.....9584
Marine auxiliaries 334a
boilers 1029
cargo transferring machinery 7976
castings 2177
chains .....2309 & 2355
clocks 2732
compounds (see paints, marine) 10558
elevators 4280
engineers (see architects, naval)..... 229
engines, gasoline.....4382
engines, oil.....4383
Marine engines, portable (see motors, rowboat, detachable) 9989
engines, steam 4384
fire extinguishing systems 4775
forgings 4954a
glue 5517a
hardware 5930
heaters, hot water....6038a
indicators 6567
mufflers 10028b
oil lamps 7191
packing 10463a
paints 10558
plumbing 11256a
pumps, power.....11891
pumps, steam (see pumps, steam).....11943
railway builders.....9586
railway engines (see engines, hoisting)....4373
railways 4103
reversing gears.....5388
running lights, telltale boards 1493Sa
steering gears.....5389
steering wheels.....16791
tackle 14676a
torches 15816a
turbine gears 5389a
turbines 16153
valves 16347
valves, duplex.....16299a
varnishes 16453
Mariotte bottles 1169
Markers, button & buttonhole 9587
cattle 9591
cemetery 2270
center 11990
clap-board 9589
cut 15098
engine & tail.....9590
lot, glazed clay.....7613
poultry 9591
stock 9592
tail 9590
Market baskets (see packages, fruit & vegetable) 10442
baskets, wooden 623
wire 16951
& delivery baskets..... 606
Marking brushes.....1573
gauges 5300
hammers, tanners'.....5800
inks 6610
inks, metal.....6611
machines 8574
machines, can.....7936
machines, laundry.....8523
machines, neck.....15296
machines, shoe vamp..9107
pots 11433
sewing machines.....9063a
Marks, stock.....14332
Marline spikes.....13921
tarred 9593
Marquises 9594
canvas (see tents, awnings & canopies) ...14952
corrugated wire glass..9553a
metal 9594
Martingale rings, loops & dies 9594a

No.

Mash filters.....4740
tubs 16134
Mashers, potato.....9595
potato, wooden.....9596
Mashing machines.....8575
Masks, acid or gas.....9596a
baseball 9597
Maslin kettles.....6874
Masons & builders (see contractors, building & general).....3044
Masons' & builders' materials 9599
hammers 5778
jointers 6824
leads (see plumb bobs) 11245
line reels.....12260a
lines 2411
materials 9599
stoves 14417
tools 15749
trestles 15935
Mass filter 4725b
Massage balls..... 464c
vibrators 16508
Mast arm rope, steel (see wire rope & cables).16975
arms, arc lamp, etc...9600
hoops 6420
withes 17023
Master switches.....14594
Mastic, asphalt 263
gum 5719d
pots 11423
roofing 12728
Masticators, rubber & carbon 9601
Masts, derrick (see masts & spars).....9602
radio 9602a
& spars.....9602
Mat boards..... 981
felts 4623c
Match box holders.....6253
box machinery.....8576
cups 3493a
machinery 8577
mfrs. 9603
plates 11110
safes 12857
split coiling machines.8073
& kindergarten splints 13941a
Matcher knives (see knives, wood working machine) 7060
Matching machines, boxboard 7852
machines, wood.....8578
& planing machines...8826
Material finish.....6685
grinders for fertilizer.5630
sound proofing 13887a
testing apparatus, concrete 14988a
Materials (materials are indexed under the headings descriptive of their kinds).
Mathematical instruments 6633
Mats, asbestos table.....9604
blasting 9605
cocoa 9618
combination cocoa & steel 9606
cork 9607
felt, steel bound.....9608
hair 9609
leather rolling.....9610
picture 9611
press cloth 9611a
rattan 9619
rubber 9620
steel 9621
steel wire.....9622
stove 9612
street car.....9613
switchboard 9614
table, asbestos 9604
wire table 9615
wood 9616
wood rolling.....9617
Matte ladles (see ladles, mining) 7132
tapping cars.....2044
Matting, aluminum.....9623
cocoa 9618
electric floor.....9624
fibre 9625
grass 9626
insulating (see mats, switchboard) 9614
rattan 9619
rubber 9620
steel 9621
steel wire.....9622
street car.....9613
weaving machines.....8579
Mattocks .....9627 & 10856
Mattress, sewing machines 9067
twine 16201
ventilators 16482b
wire 16952
Mattresses 9628
air 3513
cotton felt.....9630

No.
Mattresses, excelsior 9631
hair 9632
kapok 9633
silk floss (see mattresses, kapok).....9633
woven wire (see beds, spring) 13996
Mauls 5769
blacksmiths & heavy hammers 5769
coal 9635
post, cast iron, etc....9636
post, wooden.....9637
railroad or spike (see mauls, regular line).9638
rawhide (see mallets, rawhide) 9526
regular line.....9638
sewer 9639
ship or top (see mauls, regular line).....9638
spike (see mauls, regular line).....9638
woodchoppers' (see mauls, regular line).9638
wooden.....9637 & 9640
Mausoleum slate 13743
Mayonnaise mixers.....9877
Mazda lamps.....7192
Meal, alfalfa.....9641
almond 9642
bone 1135
cocoanut oil.....2859a
cookers 6039
coolers 8161
corn (see feed, corn)..4590
cotton seed.....9643
dryers 4130
Meal heaters 6039
polishing 9644
purifiers 12028
Measures, automobile, gasoline 9645
copper liquid.....9646
dry 9647
end 9648
family 9649
galvanized iron.....9650
grocers' 9649
liquid 9651
rule & yard.....9651a
tin 9652
water 9653
Measuring bar clamps...2598
clocks, lace 2730a
cups 3499
device & road storage bins 12535a
gauges 5301
gauges, sheet rubber..5324
instruments 6631a
instruments (electrical) 6626
lines 7463
machines 15275a
machines, accurate....8579b
machines, cloth, 8579a & 15065
machines, leather.....8538
machines, liquid 8560a
machines, scientific ...8579b
machines, wire.....9432
machines, wire cloth..9421
pumps (see pumps, oil, self-measuring) 11901
reels 15339
rods 12570
spoons 13961
tapes 14837
thiefs 15524
tools 15750
& folding machines...15169
rods, end.....12560
Meat can machinery, sheet metal 8580
can stuffing machines..8581
canners (see canned goods) 1829
choppers 2493
cutters (see choppers, meat) 2493
forks 4974
hooks 6360
juice extractors.....4505
juice presses.....11594
packers 9655
scrap cutters 3572a
slicer knives.....7004
slicers 13772
slicing machines.....9131
tiers 15557a
troughs 15984
Mechanical boshes.....1159
chalk pencils 10791
conveyors 3121
counters 3267
draft 9656
draftsmen 3977
dust collectors.....4170
engineers 4341
felts 4624
felt goods 4613b
filters (sugar).....4741
gear shifts 5365a
instruments, intricate..6629
leather 7363
leather goods.....7364
lubricators 7634a

No.
Mechanical organs 10400
pencils 10792
porcelain specialties..11327
rubber goods.....12785
schools 4332
shooting galleries 13572
specifications (see engineers, mechanical)...4341
stokers 9657
stokers, chain grate....9658
stokers, overfeed "Roney" 9658a
stokers, underfeed....9658b
thermometers (see thermometers) 15498
toys 15842
tubing 16108a
ventilating apparatus..4533
Mechanics' aprons..... 213
Mechanism, door hopper.6425a
Medals 9659
Medical batteries..... 652
plasters 11047
Medicinal atomizers..... 272
boxes 1250
cans 1853
oxygen 9659a
petroleum oils.....10315
preparation cans.....1853
Medicine cabinets.....1761
droppers 4090
Medium electric lamp sockets 13829
candle 13829a
locking 13828
Medium electric lamp sockets
metal shell key & keyless 13829b
metal shell pull....13829c
metal shell push...13829d
porcelain shell key & keyless 13829e
porcelain shell pull.13829f
porcelain shell push.13829g
weatherproof, composition, keyless..13829h
weatherproof metal shell keyless 13829i
weatherproof porcelain, keyless 13830
Megaphone mfrs.....9660
Melters, metal.....9661
Melting bars, low phosphorus 575
furnaces 5098
furnaces, aluminum....5045
furnaces, babbitt.....5048
furnaces, brass & copper 5053
furnaces, gold & silver.5047
furnaces, lead.....5091
furnaces, malleable....5097
furnaces, scrap (see furnaces, steel melting) 5124
furnaces, steel 5124
kettles 6875
ladles 7131
outfits, platinum, jewelers' & refiners'....11157
pots 11434
pots, glass (see glass house clay supplies)..5455
Memorial tablets (see bronze tablets.....1496
windows 9662
Memorials 9662a
Menders, harness 5944
hose 9663
Mending plates.....11111
Menthol 9663a
holders 6253a
Menu card frames.....5010
Mercerizing machines....15276
Merchandise carriers 1990
conveyors (see carriers, merchandise).....1990
envelopes 4423
tags (see tags, shipping) 14707
wrapping machines.....9493
Merchant shape rolls....12684
steel bars..... 575a
Merchants steel.....14231a
mercoid controls & gauges 3074e
Mercury 9663b
arc rectifiers.....12249
bichloride, corrosive sublimate 9663c
cyanide 9663d
filled steel tube thermometers 15517
gauges 5302
iodide 9663f
testing columns 2902
traps 15901
vapor lamps.....7194
Merry-go-rounds (see carousels, organs, etc.)..1966
Mesothorium 9663g
Messenger cars 2004
clamps 2599
hangers 5900
Meta, nitroaniline 9663h
phenylenediamine ...10826a
toluylenediamine 9663i

No.
Metabisulphite, potassium 11417
Metal acid resisting.....9664
acid resisting monel..9664a
alloys (see ferro alloys) 4646
ambric sheet wire & tubes 142
asbestos protected..... 258
automobile commercial bodies 1000
automobile passenger bodies 1001b
babbitt 366
bale bands 497
balls, monel.....464d
band sawing machines.7723
barrel bungs (see bungs, barrel) 1657a
bars, yellow..... 590
baskets, extractor 4493d
bath room cabinets.... 629
beading machines (see crimping & beading machines) 8159
bearings, bronze..... 669
bearings, die-cast, general line 681a
boring machines.....7824
boring machines, horizontal 7825
boring machines, vertical 7832
bound mill brooms....1504
boxes 1251
boxes, excelsior (see boxes, metal).....1251
Britannia 9665
building corners.....3235
bulletin signs, framed.13670a
buttons 1738
cabinets, bath room...1751
castings, non-corrosive.2182
ceilings 9665a
cellular fire-proofing...9666
chairs 2397
checks, all kinds.....2431b
chromium 2502
clad panelled fire doors, swinging type 3930
clasp envelopes 4426a
cleaners 2666
cleaning machinery 8582
cobalt 2791e
collapsible tubes (see tubes, collapsible)..16069
columns 2903
containers 3042
corner beads (see plasterers' steel corner beads) 11044
covered moldings 9894j
cutting machines, abrasive 7672
cutting machines, high speed 8167a
cutting-off machines ..8583
dealers (see tin plate, metals, etc.).....15613
dip 3816f
door butts 1747h
drawing presses 11594a
drilling machines (see drills) .....
dross 4093
drying machines.....8584
edge box machines.....8585
edge paper boxes.....1261
edge tags.....14706
electric resistance (see alloys for electrical purposes) 122a
enamels, pyroxylin.....4312a
envelopes, pliable.....4428
entrance doors.....3942
expanded 9668
extruded 9669
eyelets 4516a
fan blades..... 860
feeders 4606a
feralun 9670
filing cases (see filing cabinets & devices).4706
filter cloth 2753a
forming machines (see forming & bending machines) 8335
frame window screens.13164
furniture machinery, sheet metal 8587
furring (see furring & lathing, iron).....5153
furring staples 14168a
goods mfrs., sheet.....13469
grommets 5679
grounds 9671
handle wrenches.....17086
hose 6463
houses, sectional.....6484b
jig sawing machines..8588
lacquers 7104
lacquers, pyroxylin.....7104a
lath 7248
lath, expanded 7247
lath fasteners.....4564
letters 10183

No.
Metal lockers (see lockers, metallic) 7518
McAdamite 9671a
manganese 9539
marking inks.....6611
marquises 9594
melters 9661
mining explosives 4488b
monel 9672
moldings 9673
moldings for hanging pictures 9894k
muntz yellow 9631
non-corrosive 9673
non-tarnishing 9674
novelties & specialties.9675
numbers 10183
packages 10442a
paints 10560
parts, monel 9927e
parts, loose leaf.....7612a
parts, washing machine.9392a
patterns 10768
polish 9676
portable houses (see houses, sectional, metal) 6484b
power sawing machines 8589
primers 11672
print painted signs....13674a
protected, asbestos 258
refrigerators 12290
roofing, asbestos protected 12714
sash & mouldings.....9678
saw blades, circular.... 858
saw tables 12943
sawing machines 8082
saws, circular.....12963
scrap baling presses..11422
scrap, monel 9927d
screen, dust arresters..4168a
screws, monel 13210b
shaping machines 9079
shear blades..... 863
shear knives 7005
shell electric lamp sockets—key, miniature 13830b
key & keyless, medium 13829b
keyless, miniature..13830c
keyless, mogul 13831a
pull, medium 13829c
pull, miniature 13830b
push, medium 13829d
shell receptacles M.12225a
shipping cases 2129
shoe horns.....13547
signs 13674
signs etched.....13668
signs, raised letter....13658
silo doors.....3951
silver 9679
slitting cutters.....8350
slitting discs, circular.3831
slitting saws.....12988
small wares 9679a
sparking 9679b
specialties 9675
spinning 13932
spinning lathes.....7298
spools 13952
strips, monel.....14492a
studs 14507
surfacers 14547
tank machinery.....8590
tanks, galvanized 15833c
tape 14833
thermostatic 9679c
testing machines.....9283a
threshold, air-tight....9680
tungsten (see ferro-tungsten) 4657
valve wheels.....16818
valves, M. M. M.....16347a
walls 9665a
wheels 16792
white (see castings, white metal).....2200
window hardware.....5931
woods 17041b
workers' crayons & pencils 3414
workers mallets.....9524a
workers' tools (see specific article required).
working machinery 8590a
working planing machines 8814
works, sheet (see cornices & skylights)...3240
yellow muntz.....9681
& glass shades.....13350
Metaline bronze sheaves.13466
Metallic bank fixtures... 505
battens 647
berths 793
breasts 15925
bunks 793
burial cases & vaults..1662a
cabinet work (see bank & office fixtures, metallic) 505
cabinets & filing cases (see filing cabinets & devices) 4706

INDEX

INDEX

No.
Metallic casket presses.11504a
conduits, flexible.....3017
culvert pipe (see culverts, road).....3483
dabbers, automatic.....3657
drawing rolls.....15352
furniture 5148
gaskets 5211
hose, flexible 6458
journal bearing compounds 2941
library shelving & fittings 7407
lockers 7518
magnesium 9509b
molybdenum 9927a
office fixtures..... 505
packing 10464
reflectors 13358
roofing tile.....12742
roofing tile, Spanish shapes 12743
sash (see window frame & sash metallic) 16867
sash bars.....9683
shades 13358
shingles 13536
tantalum 14826
tubing 16108b
tungsten 16146a
sash 16867
zirconium 17144b
Metallized filament lamps 7195
Metallurgical amalgamators 141
coke 2363
engineers 4342
research apparatus.....9684
Metals, alloy special..... 118a
anti friction 184a
antimonial lead.....9685
antimony 9686
Metals, babbitt 366
benedict nickel 9687
copper 9689
cupro nickel.....9690
die casting 9690a
electrotype 9691
general 9691a
linotype 9691
king 9692
magnesium 9693
manganese 9694
monotype 9691
nickel 9695
nickel silver 9695a
old (see scrap iron & steel) 13091
perforated 9696
plated sheet 9697
platers' 9698
roofing plate, etc. (see tin plates, metals, etc) 15613
silicon 9700
silver 9701
Metallic window frame & stereotype 9691
terne 9702
tin plate, etc.....15613
Tobin bronze.....9703
Metanilate, sodium....13855h1
Metanilic acid..... 37
Meteorological instruments 6631b
Meter books.....1140
boxes 1253
calibrators 1802
cocks, gas meter (with "Kewanee" unions)..2816
couplings 3307
dials 3731
discs & counters, numbered 9703a
gears 5377
hands 5885a
movements 10022
provers 9704
seals 9705
testing rheostats.....12398
wagons, motor driven.16581
Metering, heaters 6033b
Meters, acetylene.....9706
air 9707
air speed for aeroplanes.9707a
ampere hour.....9708
auto (see meters, speed indicating) 9734
boiler 9710
brine 9710a
by-product, coke oven gas 9710c
chemical solutions.....9710d
coal 9711
current 9712
degree finder.....9707b
disc 9714
distance recording.....9715
electric (see wattmeters) 16694
feed water.....9717
flow 9718
frequency 9719
fuel gas.....9720
gas 9721
gasoline 9722
Meters, grade indicating.9723
hot water.....9724
irrigation 9724a
lumber measuring.....9725
natural gas 9726
oil 9727
photometer 9728
pitot tube.....9729
pocket 9730
positive 9730a
prepayment gas.....9721
proportional gas.....9731
recording complaint...9732
rope 9732a
sewage 9733
speed indicating.....9734
station 9735
steam 9736
taxi 14888b
telephone 14919
test 9737
testing, water meter...9738
torsion 9738a
turbine water.....9739
V notch 9739a
venturi type 9739b
water 9740
water cart.....9741
water flow (see recorders, water flow).12242
water temperature indicating (see thermometers for water circulation) 15507c
watthour 9742
& instruments, electrical testing.....14990
Methyl alcohol..... 113a
ethyl ketones 9742a1
salicylate 9742a
violet 9742b
Methylene, blue 9742c
Metric dies 3776a
packing 9743
screw plates.....13156a
steel rules 12827
Metric taps 14863a
Metronomes 9744
Mica 9744a
chimneys 2455
ground & pulp.....9745
insulators (see insulators, moulded mica)..6671
insulators, moulded....6671
lubricants 7613
manufactured 9746
plated roofing.....12716
powders (see powders tire) 11464
presses 11595
pulp 9745
quartz grit 5756
raw 9747
tubes 16082
washers (see mica, manufactured) 9746
"Micarta" 9748
Micrometer calipers (see gauges, micrometer).5303
gauges 5303
gauges, liquid (see gauges, micrometer).5303
stands 14152
Micrometers 9749
calendar 5333
Microphone handles.....5354
Microphones (see audiphones) 309
Microscope lenses (see lenses, optical).....7385d
slide boxes.....1253b
Microscopes 9750
Microtomes 9751
Middles, card.....15040
Midget, derricks 3704a
Middlings purifiers 12029
Military band organs...10401
brushes 1552a
sets 13321
Milk aerators (see coolers, milk).....3162
albumen 108c
bottle caps.....1902
bottle caps, printing presses 11673
bottle carriers.....1991
bottle fillers.....1161
bottle holders.....6254
bottle protectors.....11696
bottle racks.....1162
bottle sealing machines 8591
bottle sterilizers.....14291
bottle stoppers.....14368
bottles 1169a
boxes.....1196 & 1254
can brushes.....1552
can carriers.....1992
can cocks.....2829
can faucets (see cocks, milk can).....2829
can handles.....5815
can jackets.....6765
can letters.....7387
can washing machines.8592
canners (see canned goods) 1829
cans 1854
Milk clarifiers 2623
condensed (see canned goods) 1829
condensing machines..8593
coolers 3162
dippers 3820
dispensers 3854
dryers, vacuum.....4131
evaporated (see canned goods) 1829
evaporators 4451a
heaters 6038c
inspector's outfits....10419
jar holders 6254
jars 6812
machinery (condensed milk) 8099
pails 10510
pasteurizers 10762
pumps 11892
receivers 12217b
shipping cans 1855
sterilizers (see pasteurizers, milk).....10762
strainer pails.....10511
strainers 14434
sugar (see lactose)....7109
tanks 14778
testers 14976
vats 16465
wagons 16582
warmers, electric.....16616
& package receivers.12217a
Milking machines, cow..8147
tubes 16083
Mill aprons (see aprons, rubber) 216
architects (see engineers, mill) 4343
baskets 613
bearings 681c
board, mfrs.'.....9754a
boards 9754
boards, asbestos..... 256
boxes.....1254a, 15019
brooms 1511a
brooms, metal bound..1504
brushes 15026
building constructors.14232
buildings, steel 1645b
cans 15034
castings, cement.....2153b
castings, paper.....2183a
castings, stamp 2191b
cogs, wood.....2851
engineers 4343
gearing 5366a
gears 5390
gears, rolling 5396
gears & pinions.....5410a
hammers 5779
hose .....6460 & 6464
lamps 7195a
lubricants 7617b
pick grinders 5631
picks 10856
soap, textile 13813a
soaps 15277
stock slate 13744
stones 9834
strapping 14447
supplies 9755
table controllers 3064
trucks 16029
type cranes.....3373a
ventilation (see ventilating apparatus)..16475
white paints.....10561
wire goods (see drop wires, 15125; also guide wires).....15192
wood cogs.....2851
work, builders' (see interior hardwood work) 6686
& factory supplies.....9755
Milled iron studs.....14508
nuts 10211a
screws 13210a
springs 8595a
Millilameters 9756
Milli-voltmeters 16545
Millinery wires.....17019
Milling cutters.....3573
cutters, face.....3552
cutters, inserted tooth.3574
cutters, plain.....3581
cutters, side.....3593
cutters, spacing collars, for 2877
drilling & tapping machines, radiator loop.8594
files 4701
jigs & fixtures.....6821
machine arbors..... 218
machine attachments.. 294
machine chucks 2518
machine dogs.....3873
machine tools.....15751
machine vises.....16531
machine work.....7664
machinery slab 8608a
machines 8595
machines, automatic index 8596
machines, bench.....8597
machines, cam or form.8598
machines, combined, horizontal & vertical.8599
Milling machines, crank case 8600
machines, die.....8601
machines, double head.8602
machines, end (see planing machines, rotary) 8819
machines, hand.....8603
machines, Lincoln.....8604
machines, manufacturing 8605
machines, nut.....8606
machines, plain column type 8607
machines, planer type.8608
machines, spline 8608b
machines, thread.....8609
machines, universal....8610
machines, valve.....8611
machines, valve seat..9370
machines, vertical.....8612
machines, wood.....8613
saws, circular.....12963a
stars 14175a
vises 16530a
& boring machines, horizontal 7833
& die sinking machines, combined 8181
& drilling machines, butt 7906
& drilling machines, combined 8246
Mills, adjustable hollow.9757
alfalfa 9758
attrition 9759
ball, porcelain 9760
ball & pebble.....9761
bar 9762
bark 9763
barley 9764
billet 9765
blooming 9766
bone & shell.....9767
boring (see boring machines, various kinds)
brass cinder.....9768
buhr stone.....9769
charcoal grinding 9770
chaser 9771
Chilian 9772
chlorination 9773
cider, & cider presses.9774
cinder (water cinder)..9831
cocoa 9775
coffee or spice.....9776
cold rolling.....9777
concentrating 9834
concrete mixing (see concrete mixers).....2989
conical 9797
continuous 9778
corn & cob.....9780
corn & graham.....9780a
cork grinding 9779
cottonseed grinding ...9780b
crushing & grinding...9797
cyanide 9781
disintegrating (see disintegrators) 8852
drug 9782
dry color grinding.....9783
dye stuff.....9784
emery rock.....9785
end 9786
exhaust tumbling.....9787
fanning 9788
fanning, sieves & screens 9789
feed grinding.....9790
felt 4614
flour 4901
for enamel.....9792
for grinding chemicals.9793
fulling 15184
glaze 9795
glue grinding 9796
graham 9780a
grinding & crushing...9797
grist, hand power.....9798
hay grinding.....9790
hollow 9799
Huntington 9800
indigo 15212
indigo grinding 9806a
ink grinding 9801
iron cinder.....9831
jar 9802
kaffir corn.....9803
laboratory 9804
lath mills & bolters....7349
lath & picket.....7252
leather grinding 9805
lime grinding 9805a
linseed grinding 9780b
malt 9806
milo maize.....9803
mortar mixing (see mixers, mortar).....9878
mustard 9807
nut grinding.....9808
oil cake 9809
ore sampling.....9810
paint grinding (see grinding machinery).8691
picket 7252
pipe & tube.....10939
plate rolling.....9811

Mills, prospecting 9812
pug 9813
pulverizing 9813a
quartz 9814
rail, iron & steel.....12110
rice machines.....9815
rice manufacturers....12404
rice chaff.....9816
rod.....9816a & 12541b
roller grinding.....9817
rosin 9818
rumbling 9829
scroll 9826
sheet 9821
shell 9767
shell end.....9822
silver 9796
slabbing 9823
snuff grinding 9823a
soap powder 9823b
spheroidal 9823c
spice 9776
spice grinding 9823d
stamp 9824
strip 9825
structural 9826
sugar cane.....9827
swing hammer 9828
talc grinding 9828a
tire turning 9828b
tube 10939
tumbling 9829
warping 15455
warping, sectional....15456
water cinder.....9831
water polishing.....9832
white lead (see white lead machinery)....9412
wire flattening.....9833
& bolters, lath.....7249

Millstones 9834

Millwork (see sash, door & blind mfrs.').....12919

Millwrights' augers 828
tools 15752
Milo maize mills.....9803
Milori blue 952d
Mimeograph paper.....10689
Mimeographing (see addressing & mailing)... 66
Mincing knives.....7006
Mine building constructors 14232
cage safety hooks.....6375
cages 1791
car alarms..... 105
car axles..... 360
car caging machines..8614
car compressors 2987
car hitchings.....6147
car hooks.....6361
car lifts.....7422
car re-railer.....12370
car tips.....15628
car wheels.....16793
cars 2045
doors 3943
drills, self feeding.....4043
dumps, rotary 4162
escape shaft stairs...14110
exploration work 9834a
fan gauges.....5304
fans, ventilating.....4535
feeder wire insulators.6670
hames 5745
hangers 5901
harness, coal mine....5942
haulage locomotives, electric 7588
hoisting engines 4376
hoists 6203
hoists, electric.....6203
jacks 6779a
lamps 7195b
lamps, acetylene 7196
locomotive headlights, electric 5983a
machinery cars.....2044a
motor gears.....5391
motor pinion.....10884
pumps 11893
ratchet drills.....4042
rescue apparatus.....9835
rollers 12625
signals, electric.....13643
spike bars (see crowbar mfrs).....3440
sprayers 13978
supplies 9755
supplies, electric 9836
switches & turntables.12131
tanks 14778a
telephones 14934
tie holders (see tools, railroad track).....15770
ties 15564
timber framing machines 8615
timbers, steel.....9837
tipples 15621
torches 15810
ventilating fans.....4535
ventilating machines (see fans, mine ventilating) 4535
ventilators 16486
water elevators.....4293
water gauges.....5805

Mineral colors 2891f
colza 9838
magnetic separators..12305b
orange 10372a
paints 10661a
rubber 12790
seal oils.....10316
turpentine 16181
wool mfrs.....9839
wool boiler coverings.10988
wool pipe coverings...10988
Minerals, clays, etc.....3641
rare 9840
Miners, asbestos..... 255
asphalt 264
clay 2636
clay-ball 2633a
coal 2784a
feldspar 4612
graphite 5567
talc 14712
Miners' augers 813
candlesticks 1227
canteens 1882
caps 1903
hats (see caps, miners') 1903
ladder rounds.....7110
lamps, electric.....7197
lamps, oil & sunshine..7198
needles & scrapers.....9841
oil cans 1856
riddles 12408
safety lamps.....7199
scales 12038
scrap boxes.....1255
scrapers 9841
spads 13898
spoons 13961
squib boxes.....1255
squib cases.....2119
squibs 14082
tacks 14690
torch oils.....10317
wire screens (see screens,various kinds).
Minglers, sugar 9842

Miniature arc lamps.....7150
barrels, candy.....523b
barrels, wood..... 542
electric lamp sockets (see classifications) 13830a-13830e
ediswan or bayonet.13830a
metal shell key....13830b
metal shell keyless.13830c
metal shell, pull...13830d
porcelain shell keyless 13830e
incandescent lamps ...7180
lamp guards 7141a
locomotives & railways 7598
pails, wooden 10511a
tack kegs.....6358a
wood barrels..... 542
wooden pails 10511a

Mining agitators..... 88
bars, tamp 585
blankets 873
cadgers 1786
candles 1823
cars, steel.....2066
castings 2178
drills, post.....4049
engineers 4842
explosives, metal 4488a
hollow steel 14232a
ladles 7132
machine bits..... 836
machine cables.....1778
machine chains 2355
machine cutter heads..5993
machine gears.....5392
machine picks.....10858
machine pinions.....10885
machine racks.....12077
machine shovels.....13590
machinery 8616
machinery, coal 8617
machinery, hydraulic..8619
machinery, placer.....8800
machines, chain.....8620
motors, electric.....9974
nozzles, hydraulic.....10175
picks 10557
salt, mixed bromides & bromates 9843
screens 13146
skips 13728
tamp bars..... 585
tools 15753
wagons 16585
& crushing machinery, portable.....8621
Minnow buckets.....1602
traps 15902
Minnows 9844
Mirbane, oil of 10240b

Mirror, backs, hand..... 369
frames, brass 5011
hinges 6110
lined shades.....13352
mfrs.' 9845a
plateaux 11050
reflectors 13359
rims 12419
shades 13359

Mirrors 9845a
advertising 9846
automobile 9847
automobile dashboard..9847
automobile fender.....9847
automobile windshield.9847
bath room.....9848
hand 9849
lamp 9850
mangin 9851
plate glass 9852
searchlight 9853
shaving 9854
shock 9855
Mirrorscopes 9856
Miscellaneous agitators.. 89
Missions nails.....8623
Mitre blanking machines.8623
box saws.....12989
boxes 1256
clamps 2600
cutting machines.....8624
gauges 5306
gears 5392a
knives 7007
planers 11919
rods 12571
sawing & clamping machines 8625
scales 9857
squares 14076

Mitreing machines.....8626
machines, paper, cloth & leather.....8627
machines, wood 9468
tools 15754
Mitres, copper.....9858
Mitten dusters.....4175
Mittens, knitted.....5512
Mitts, asbestos..... 251
catchers' (see gloves, baseball) 5506
Mixed acid..... 38
mononitrotoluenes ...9928a1
paints for export.....10562

Mixers, air.....9859
aniline colors.....9859a
asphalt 9860
baking powder.....9869
bleach 9861
bread 9862
cake 9862
cement 9863
chemical 9864
chocolate 9864a
clay 9865
concrete .....2939 & 9865a
concrete, for street paving 2991
drink 9866
feed 9867
fertilizer 9868
flour 9869
foundry sand 9002
gas 9870
glass batch.....9871
grout 9872
heavy compound kneaders 9872a
hot metal.....9873
ice cream.....9874
liquor 9875
lubricating compounds.9876
mayonnaise 9877
mortar 9878
nitro toluol or "TNT"..9878a
paint 9879
pan 9880
paste 9881
paving 9881a
plaster 9882
portable 9882a
poultry food.....9883
road 9883a
rubber 9884
sand 9002
sausage meat.....9885
steam jacketed 9885a
sugar 2284
T. N. T.....9878a
white lead.....9886
& sifters.....9887

Mixing machinery (see also specific listings in this index).....8627a
machines, asbestos compound 7697
machines, coffee 8628
machines, cork compound 8118
machines, corn.....8125
machines, crucible paste 8161
machines, flour.....8321
machines, glue.....8629
machines (kneading & mixing) 8506
machines, lime.....8556
machines, paint.....8691
machines, paste.....8748
machines, rubber 8963 & 8973
machines, rubber cement 8966
machines, sand.....9002
machines, smokeless powder 9144
machines, soap.....9149

Mixing machines, tea....8628
pans 10604a
pickers 15318
plants, batch..... 626
pots 11435
spoons 13955
tanks 14778b
& kneading machinery, dough 8196
& sifting machines, flour 8321
& slacking machines, lime 8556
Moccasins 9888
Modelers & sculptors, architectural 9889

Modeling clays.....2642
Models, school, drawing & geometrical, wood....9890
& experimental work...9891
& patterns.....10770

Modernizing engineers...4344
Modulation valves (see valves, radiator, inlet) 16377

Moellons 9891a
Mogul electric lamp sockets. 13831
locking 13828
metal shell keyless.13831a
porcelain shell, keyless 13831b
weatherproof porcelain shell, keyless.13831c
stoves 14418
Moisteners, cigar.....9892
envelope 9893
radiator, air.....9893a
Moistening apparatus, air 15278
machines, paper, cloth, leather, etc. 8630
Moisture expellers.....4483
presses 11596

Molasses faucets.....5226
filing machines.....8631
foundry 9894
gates 5226
heating tanks.....14780
jug tops.....15798
pumps 11893a
tanks 14779

Mold dryers.....4132
drying cars.....2046

Molded (see moulded).

Molders' bellows..... 706
benches 771
flask clamps.....2579
flask pins.....10906
flasks 4865
shoes 13559
shovels 13591
swabs 14540
tools 15755
trowels (see tools, molders') 15755

Molding compounds.....2941a
cutters 8575
hooks (see hooks, picture) 6364
machine knives (see knives, wood working machinery), ...7060
machines 8631a
machines, cement (see concrete building block machinery)...8996
machines, collar.....8038
machines, dough 8197
machines, foundry.....8632
machines, gear 5363
machines, jolt.....8500
machines, rope 8956
machines, variety.....9374
machines, wood.....9470
materials 9894a
presses (see molding machines, foundry)..8632
presses, carbon slug...11503a
presses, bakelite 11479a
sand 12900
sand conveyors.....3122
sander machines.....8633
& countersinking machines, marble.....8573

Moldings, aluminum 9894b
architectural (see moldings, varnishes, various kinds)
automobile door 9894c
ball beaded 9894d
brass 9894g
bronze 9894g
carriage door 9894e
carved 9894e
cold drawn bronze.....9894f
cold drawn steel.....9894f
composition (see ornaments, composition).10405
copper 9894g
electric wiring 9894h
embossed 9894i
metal 9673
metal covered 9894j
metal for hanging pictures 9894k

INDEX

INDEX

No.

Moldings, nickel silver (see moldings, copper, brass & bronze).....9894g
piano 9894d
picture frame.....9894l
rope 9894m
sheet metal 9894n
sheet steel, brass & bronze 9894o
spiral (see moldings, rope & twisted).....9894m
steel 9894q
steel picture 9894r
twisted 9894m
& sash, metal.....9678

Molds, aluminum.....9895
babbitt metal & solder.9896
babbitting 9897
bakers' 9898
bar lead, buck shot, & bullet 9899
brick 9900
butter 9902
button 9903
cake 9904
capsule 9905
cement post 9906
cigar (see cigar makers' supplies).....2545
concrete 9906
confectioners' 9898
copper 9911
cylinder 9907
for electrical insulation work 9908
gagger 9909
glass house.....9910
gold & silver bullion...9911
ingot 9912
jelly 9913
lead hammer 9916
maple sugar.....9917
porcelain for rubber gloves 9917a
pottery 9918
rubber 9919
rubber tire.....9920
rubber turned wood....9920a
soap 9921
soft metal.....9922
solder 9896
split 9923
sugar 9924
tack 9925
tassel 9925a
wooden, for surgeons' rubber gloves.....9925b

Molybdate ammonium.... 152e
lead 7340c
of ammonia 9926

Molybdenite 9927
ferro 4653

Molybdenum (see ferro-molybdenum) 4653
ferro 4653
metallic 9927a
ores 10387
steel (see ferro-molybdenum) 4653
wire 16952b

Molybdic acid 39

Monel metal 9672
metal acid resisting...9664a
metal balls..... 464d
metal, bolt, nut & rivet mfrs. 1045
metal castings.....2179
metal diaphragms 3734a
metal fittings 16431
metal forgings.....4955
metal gaskets.....5211a
metal machine work...9927b
metal parts 9927c
metal rods.....12572
metal scrap 9927d
metal, screws 13210b
metal sheets.....13484
metal, shot 13575a
metal stamping 14122c
metal strips 14492a
metal tubing 16108c
metal valves 16431
metal wire 16953
metal wire cloth.....16920

Money drawers 3991
kegs 6856a
sections 13272a
Monitor lathes.....7306
Monkey wrenches 17071
Monobromated camphor.1816a
Monobrombenzol 9927e
Monochloracetic acid.... 39a
Monochlorobenzol 9927f
Monochlorobenzene 9927g
Monochloronapthalene ...9927h
Monochrome 9927i
Monograms 9928
Monohydrate, crystals....3468b
Monolithic marble columns 9565
Mononitrotoluenes mixed. 9928a1

Monopole oils.....10318

Monorail hoists, electric 6139

No.

Monorail systems, trolley & trolley tracks.....9928a
tracks, hoists.....9928b
Monosulphonic, acid, F.. 39b
Monotype metals.....9691
Montan wax.....16702a
Montejus automatic 9928c
Monuments 9928d
bronze 1493
white bronze 14181

Mooring bolts 1092
buoys 1661
hoists 6203b
hooks 6312
post anchors 161b
posts 11406
rings 9928e

Mop handles.....5855
handles, dish.....5832e
making machines.....8634
springs 14024a
sticks & holders.....9929
wringers 17110
yarns 17118

Mops, cloth, combination wringers, etc.....9930
cotton 9931
polish 9932
roofing 9933

Mordants 9934
Morgue slabs, slate.....13745
slabs, stone.....14343
Morphine 9935
Morris chair rods.....12573
Morse silent running chains 2356
Mortar barrows..... 547
cements, white.....2268
color mfrs.....9936
hods 6155
mixers 9878
pails 10512
patent soapstone.....9937
prepared 9938
tubs, steel.....16135
& concrete barrows.... 547
Mortars, crushing.....9939
drug 9940
turned wood 9940a
Mortise gears 5392b
locks 7547a
Mortisers, chain saw.....9941
Mortising bits 837a
Mortising chisels hollow..2470
machines, lock.....8562
machines, pulley.....8858
machines, wood.....9469
& boring machines, hub.8472
Mosaic-ceramic floor tile.15576
cube importers.....9942
cutting machinery.....8635
glass work.....5458
mantels 9551
shades, leaded glass..13351
wood floors 8636
& tile floor polishing machines 8636
glass 9944
Roman & Venetian.....9943
marble 9943
floor 9943
Mosaics, ceramic (see mosaics, floor).....9943
floor 9943
Mosquito netting.....10121
Moss 9945
Irish 9946
peat 9947
sea 9948
tree 9949
Mossy zinc.....17134a
Moth bags..... 401
balls 465
proof bags 401
Motion picture cameras..1813a
picture projectors....11633a
pictures, educational & industrial 9949a
Motions, doffer comb...15280
drawing frame stop...15281
evener 15282
knitting machine stop.15283
loom stop.....15284
reducing 9950
selvage 15285
spooler, stop 15287
twister stop 15288
warp stop.....15289
Motor armature lifts....7423
bearings 675
boat, launch & yacht builders 9951
boat tanks.....14781
boat silencers 13686a
boat whistles 16830
boat wire 16900
boats 9951
brakes, electric 1367
brushes 1552b
car pit lifts.....7424
car, robes 12539
car trade names..... 322
cars 2047
cars, inspection.....2047
chain compounds.....2942
charging rheostats....12399
circulation, thermometers for 15507b

No.

Motor cloth 9952
compressor, governor, electric 5533
compressor governors..5536
controllers 3065
controllers, electric....3057
controllers, railway.....3067
cycle brakes.....1362
cycle chain tools.....15756
cycle chain & sprocket guards.....5698
cycle chains.....2357
cycle clutches.....2781
cycle grips.....5670
cycle hubs.....6490
cycle oil pumps.....11897
cycle parts.....9953
cycle pedals.....10779
cycle rims.....12418
cycle saddles.....12845
cycle side cars.....9953a
cycle spokes.....13944
cycle springs 14024b
cycle sprockets 5698 & 14055
cycle tires.....15644
cycle tool boxes.....1296
cycle tubes.....16084
cycles 9954
driven blowers..... 943
driven compressors....2868
driven compressor governors 5536
driven compressors, three cylinder, two stage, variable volume 2971b
driven erasers 4435a
driven meter wagons..16581
driven pump wagons.16587
driven screw drivers..13174
fire engines.....4763
fly wheel balancing machinery 8637
generating sets 5414
generators, battery charging 9954a
hand, velocipede cars..2033a
high speed reducers...9955
hoes 6162
hoods 6298
inspection cars.....2047
lamps 7201
lifts, car-pit.....7424
mfrs. 4179
oil gauges (see gauges, oil) 5307
operated valves 16348
parts 4331
plows 11179
power winches 16852a
speed reduction.....9956
speed regulators.. ...12337
starters 9957
starting compensators..2921a
starting rheostats....12399
starting switches.....14595
switches, reversing ..14601
tire valves.....16349
truck lights 7440a
truck rims 12420
truck scales 13039a
truck tires, solid rubber 15645
truck wheels (see wheels, metal).....16792
trucks 16030
trucks, gasoline (see automobile builders). 321
vehicle brakes & governors 1374a

Motorman's seats.....13266
valves 16350

Motors, adjustable speed.9958
aeronautical (see engines airplane).....4347
air 9960
alternating current....9961
automatic piano.....9985
automobile (see engines, automobile) 4349
automobile, electric.....9961a
battery or toy.....9962
buffing 9964
cement mills.....9965
crane, pneumatic.....11273
dental 9966
direct current (see dynamo & motor mfrs.).4179
direct current railway.9967
electric 9968
electric crane 9969
electric elevator.....9970
electric fan.....9971
electric, for flexible shafts 9972
electric, for machine tools 9973
electric mining.....9974
electric organ blowing.9984
electric railway (see generator, street railway) 5430
fractional horse power.9975
gasoline (see engines, gas & gasoline).....4368
hoisting 9976
induction 9977

No.

Motors, interpole, railway 9978
locomobile turntable....9980
naphtha 9981
oil (see engines oil)...4387
organ 9983
organ blowing, electric.9984
phonograph (see motors, spring) 9989b
pneumatic 11288
pneumatic crane.....11273
pneumatic & geared pneumatic hoists...11289
printing press.....9986
pump 9987
reaming & tapping, pneumatic 11298
rowboat, detachable...9989
sewing machine, electric 9989a
single phase electric...9977
spring 9989b
steel mill 9990
stoker 9991
synchronous 9992
talking machine 9993
textile machinery.....9994
toy 9962
tractor 9995
valve 9997
variable speed.....9998
water 9999

Moulded machine.....5387
insulation, electric 6654a
leathers 7368b
mica insulators.....6671
rubber goods.....12786
Moulding (see M-o-l-d-i-n-g).

Mountain wagons.....16583
Mounted tanks on wheels.14781a
Mounting machines, tin..9311
Mountings, automobile...10018
bag 10019
eye glass & spectacle...4515a
portable boiler.....1011
umbrella & parasol...10020
Mounts, photographic...10021
Mouse traps.....15903
Mouthpieces, circulating water (see mouthpieces for various purposes) 10021a
for various purposes..10021a
Mouthpieces, telephone.14920
wood 10862b
Movable benches, steel... 772
Movements, clock, gauge, meter, etc.....10022
recording & scientific instrument 10023
Movers or pushers, car...1923
railway track 15845c1
Moving picture cable flexible 10862
picture film machines.8638
picture lamp transformers 15866
picture machine booths.1144
picture machines.....8639
picture studio builders.1641
stairways 14111
trucks 16031
vans 16434

Mower attachments, reaping 299
cutter bars..... 576
frame boring machines.7826
guards 5699
knife grinders.....5647
knife sharpeners (see grinders, sickle & mower knife).....5647
knives 7008
& reaper sections.....10024
Mowers 10025
dropper attachments for 299
lawn 7328
lawn, gasoline motor..7329
lawn, horse.....7330
reaping attachments for 299
Mowing machine oilers.10265
Mucilage applicators (see brushes, paperhangers') 1555
bars, iron.....6699
mfrs. 10026
Muck bars, iron.....6699
Mud aprons.....5700
bands 501
drums 4103
guards 5700
guards, automobile....4645
hooks 6362
plug taps.....14864
valves 16351
Muddlers, wooden 10026a
Muffle boxes.....1257
enameling furnaces....5070
furnace fronts.....10027
tanks 14782
Muffler cut-out pedals..10780
cut-outs (see valves, muffler, cut-out) ..16352
furnaces 5099
valves 16352

No.

Muffler & tank parts, automobile 331
Mufflers, automobile 10028
gas engine 10028a
marine 10028b
pop valve.....10029
& tanks, automobile... 332
Muffles 10030
enameling 10031
Muffling furnaces 5100
Mugs, beer.....10032
Mule attachments.....15290
pulley stands 14153
shoes 13558
Mules, cotton.....15291
self-acting 15292
woolen 15293
worsted 15294
Multigraphing (see addressing & mailing). 66
Multi-jet condensers....3002a
Multiple boring machines, wood 9457
cold saw cutting-off machines 8083
effect evaporators, single or 4454a
effects evaporators....4453
effects stills.....14318
needle sewing machines 9068
oiling lubricators.....7635
pass ovens 10430
punching machines....8880
punching presses.....11597
spindle drilling machines 8230
spindle nut tapping machines 8662
spindle screw machines 9039
tapping machines.....9259
wood boring machines.9457
Multi-stage high lift centrifugal pumps.....10033
Municipal signs 13674b
& contractors' castings.2159b
Munition mfrs. (see ammunition) 155
Muntz metals, yellow....9681
Mural decorators & painters 3680
Muriate of ammonia (see salammoniac) 12867
Muriate of potash.....11412
of tin 15608
Muriatic acid (see acid hydrochloric) 32e
Muscle testing & lifting machines 8640
Mushroom anchors 161c
Music box springs.....14005
boxes 1258
cabinets 1762
holders or racks.....10035
paper 10690
roll cutting machines..8641a
roll perforators (see music roll cutting machines) 8641a
stands 14154
wire 16953a
wire piano or music..16957
Musical instrument cases.2119a
instrument strings....14488
instruments 6632
Muslin signs.....13675
varnished 10036
Mustard mills.....9807
paddles 10483
seed cleaning machines.8641
Mutes violin.....10036a
Mutton tallow candles...1822
Muzzles, dog.....10037
horse & ox.....10038
Muzzling machines, die...8177b
Mycock's cloth expanders 15063
Myrbane 10039
Myrobalan extracts.....4513a
Myrobalans 10040
Mythl ketones 9742a1

Nail bags..... 402
barbing machines, wire.9433
bins 819
boxes 1259
brushes 1553
claws 2632
cleaning machines, wire 9434
clippers (finger nail)..2700
feeding machines, box..7860
grabs 2632
hammers 5780
keg stave machinery...8642
leather 7365
machinery, wire 9434a
mill machinery.....8643
polishers 11383
pullers 11715
rattlers 12170
sets 10041
wire 16954
Nailing courses, fireproof.10041a
machines, hoop 8458
machine nails.....10071
machines, box.....7861
machines, cheese box..8013
Nailing plugs 11223
tools 15757
Nails, aluminum.....10042
aluminum coated.....10043
barbed 10044
barrel (see nails, box).10046
basket 10045
blue lathed, sanitary.10045a
boat (see spikes, boat)13916c
boot & shoe, wire.....10045b
box 10046
brass 10047
broom 10048
car lining 10048a
carpet 10049
casing 10050
cement coated wire...10051
cigar box 10052
clamp 10052a
clinch 10053
clout 10091
clutch 10054
coated 10055
copper 10047
corrugated 10056
cut 10057
die & spring grinding machines 8397
double headed.....10058
electrotypers' (see nails, small) 10085
engravers' (see nails, small) 10085
finishing 10091
foundry 10059
galvanized 10060
gilt furniture, etc....10062
hand picked.....10063
hoop 10064
horse 10065
hub band.....10066
Hungarian 10067
insulated 10068
lead 10069
lining 10079
mission 10070
nailing machine.....10071
needle point.....10072
nickel silver 10072a
numeral 10073
ornamental 10095
oxidized 10074
photo engravers' (see nails, small) 10085
picture 10075
roofing 10076
rubber headed.....10077
rubber heel.....10078
saddle & lining.....10079
screen (see nails, small) 10085
screw head.....10080
self clinching 10081
sherardized 10082
shingle 10083
shoe 10084
side pointed 10084a
slating & roofing.....10076
small 10085
socket corner.....10086
special 10087
stay 10088
tie dating.....10089
tobacco box 10090
trunk 10091
upholsterers' (see tacks, upholsterers')14696
wagon 10091a
wall (see nails, self-clinching) 10081
wire 10092
wire, cement coated..10051
yellow metal.....10093
zinc 10094
zinc coated.....10094
Name plate washers.....16643
plates 10096
plates, cement sidewalk 10097
plates, radio 10097a
plates, telephone.....10098
stamps for concrete..14129
tapes 14837a
Naphtha, coal tar.....10099
engines 4386
gas 10100
gas machines.....8356
motors 9981
pumps 11893b
refiners 10101
solvent 10102
tanks 14783
Naphthalene 10103
flasks 4838a
sulphonic acid 39c
testers 14987
Naphthalizarine 10104
Naphthionate sodium..13855h2
Naphthionic acid 39d
Naphthol, alpha 10104a
beta 794
mfrs.' & importers'....10105
Naphthyl, beta benzoate10105a
Naphtylamine alpha 127a1
beta 10105b
sulphonic acid 39e
Napkin rings 12467
Napkins, paper 10691
Napping hammers (see hammers, heavy) ...5769
machines 15295
Narrow switches 14595a
track 15845d
"National" casing 2134
cocks 2829a
pipe (for every tubular purpose) 10952a
pipe for piling 10875a
pipe for posts 11406a
Natural gas cocks 2830
gas fuel burners.....1687
gas meters 9726
gas valves 16353
gas valves, high pressure 16329
Nautical instruments ...6633
Naval architects 229
brass bolts 1093
bronze 1493a
bronze rods 12574
stores 10105c
Navigation aerial engines (see engines, aeroplane) 4347
Navy pails 10500
Neatsfoot oils 10319
Nebulizers 10106
Neck bolts 1094
marking machines ...15296
yoke bands (see irons, neck yoke) 6737
yoke centers 2278
yoke irons 6737
yoke lathes 8645
yoke machinery 8645
yoke rings 12468
yoke tips 15629
yokes 10107
Needle antimony 187
baths 642
jacks 15214
point gasoline valves 16355
point nails 10072
threaders 15541
valves 16364
wire, steel 16992
& shower baths 642
Needles, bag 10108
belt lacing machine .10108a
broom 10109
carpet 10110
comber 15297
darning 10111
dental 10114
harness 10113
hypodermic 10114
knitting machines 15298
knitting, wooden 10114a
latch 15299
miners' 9841
packing 10115
phonograph (see needles, talking machine) 10116
sack 10108
sewing machine 15300
spring knitting 15301
talking machine 10116
upholsters' 10117
Negative & black line paper 10692
Neoarsaminol 10118
Neon gas 5197
Nest eggs 4197
Nested boxes 1259a
Nests 10118a
Net buoys 1661a
lifters 7417a
locks 7548
rings 12469
Nets, arc lamp (see guards, electric lamp) 7140
fish 4790
fish landing 10119
fly 4915
life saving 10120
Netting, locomotive 7578
mosquito 10121
poultry, wire 16962
wire 10121a
Network protectors, A-C (see protectors, electric) 11693
Neutral oils 10320
Neutralizer, electric 10122
Neville & Winthers acid...39f
New rails 12126a
Newport pattern cocks ..2831
News boards 982
paper 10693
Newspaper conveyors ...3123
Nibber & trimming machines, combined ...8648
Nichrome sheets 13484b
Nickel alloy ribbon 12402a
alloys 121
aluminized 10123
ammonium sulphate .10123a
anodes 182
Benedict 787
bromide 10123b
Bronze castings 2180
carbonate 10123c
castings 2179a
Nickel chloride 10124
chromium wire 16955a1
electrolytic 10125
ferro 4653a
formate 10125a
gaskets 5211b
ingots 6595
mfrs. 10126
metals 9695
nitrate 10126a
oxide 10126b
pipe wrenches 17060
plated hollow ware 6287
plated washers 16644
plated zinc sheets, nicolene 10129a
platers' supplies (see platers' & polishers' supplies) 11054
plating chemicals 2441a
ribbon 12402a
rods 12574a
salts 12885
salts, single (see nickel sulphate) 10127
salts, double (see nickel sulphate) 10127
sheets 13485
shot 13576
silver castings 2180a
silver metals 9695a
silver moldings (see moldings, copper, brass & bronze) 9894g
silver nails 10072a
silver patent, leveled 10126c
silver resistance 16964
silver rivets 12515b
silver rods 12574b
silver rolling mill machinery 8648a
silver screws 13210c
silver sheets 13485a
silver stamping 14122d
silver tubing 16109
silver wire 16955a
silver wire cloth.....16920a1
stamping 14122b
steel 14233
steel bars 14204
steel billets 807
steel castings 2181
steel forging 4956
sulphate 10127
tubes 16084a
tungsten 16147
wire 16955
wire cloth 16920a
zirconium 10127a
Nickeled zinc 17135
Nickelized sheet zinc ...17136
Nickeloid 10128
Nickeltin 10129
Nicolene 10129
nickel plated zinc sheets 10129a
Nicotine solutions 10130
Nigger heads (see log hauls) 7599
Niggers, steam, sawmill.10130a
Night lamps 7202
latches 7239
soil incinerators 6536
Nigrosine 10131
Nippers, bicycle 10132
blacksmiths' 10133
bolt, pneumatic 11266
champagne 10134
end cutting 10135
fruit 10136
hoof (see parers, hoof) 10743
pneumatic bolt 11266
staybolt, pneumatic (see pneumatic bolt nippers) 11266
tinners' 10138
trout 10139
wire (see pliers & nippers) 11172
& pliers 11172
Nipple chucks 2519
cutting machines 8649
holders, pipe nipple....6261
threaders, ceiling 10140
threading machines ...8650
Nipples, gas lamp tubing 16127
gun 10141
hose 10142
pipe 10144
radiator 10145
reducing 10146
soldering 16232
swage 10146a
zinc coated, steel slip.10147
Nitrate 10148
barium 516
beryllium 793b
bismuth 824a
cadmium 1787d
cerium 2285b
cobalt 2791f
of alumium 136a
of ammonium 153
of copper 3178a
of iron 6699a

INDEX

INDEX

Nitrate of lead.7340d & 10151
of nickel ...10126a & 10152
of potassium, saltpetre 10153
of silver 13700a
of soda bags 402a
of soda dryers 4132a
of soda 10155
sodium 13855l
of strontium 14493d
thorium 15534
uranium 16241b
Nitrating acid 39g
centrifugal machines..8651
centrifugals 2283
kettles 6875a
Nitrators, aniline 10157
nitro-glycerine 10158
picric acid 10158a
Nitre 10159
cake 10160
charging funnels 5040
pigs 10869
pots (see pots, chemical) 11426
Nitric acid 40
acid apparatus 10160a
acid condensers 3002a1
acid retorts 12390b
acid stills 14318a
& muriatic acid 40
Nitrite sodium 13855j
Nitroaniline meta 9663h
Nitrobenzene 10160b
Nitrobenzol 10161
Nitrocellulose 10162
Nitrochlorobenzene, para 10741a1
Nitrogen lamp 7202a
bulbs 1647a
Nitroglycerine (see explosives) 4487
nitrators 10158
solidified & liquid....10162a
Nitro-naphthalene 10163
Nitronaphthalene, alpha..127a2
Nitrophenol ortho 10163a
Nitrosodimethylaniline..10163b
Nitrotoluene 10163c
Nitrotoluene ortho 10416
para 10741b1
Nitrotoluol mixers 9378a
Nitroxylol 10163d
Noils, ramie 10164
Noiseless heaters 6038c
belt drive chains 2358
Non-absorbent floor tile 15592
-corrosive metal 9673
-corrosive metal castings 2182
-corrosive wire 16955b
crucible furnaces 5100a
-explosive cans 1857
-ferrous castings 2182a
-fusing platinoid 11149
magnetic lamps 7145
-magnetic steel 14234
oxidizing furnaces 5100b
renewable cartridge fuses 5156c
renewable plug fuses..5158a
-return- valves 16356
-separable plugs 11235
-shatterable glass.....5458a
-staining Portland cements 3258
-tarnishing metal 9674
Noodle machines 8565
Norway iron rivets 12516
iron & steel 6718
Nose guards, football ...5701
Nosing, presses 11597a
stair 14098
Notches, cinder 10165
Notching dies 3777
machines 8652
machines, disc armature 7691
presses, disc 11528
presses, disc, automatic 11475
Note book holders, stenographers' 6256
Nougat cutting machines 8653
Novelties, advertising ... 79
aluminum (see novelties & specialties)....9675
electric 4217
furniture 5148a
metal 9675
silver & silver plated.10166
turned wood 17030
wood 17030
wooden 10166a
Novelties & specialties, advertising 79
Novelty arrows 344
mfrs. materials 10166b
mfrs. (woodenware & novelties) 17041
Nozzles, aerating 10167a
air 10167
air dusting 10167b
Nozzles, air washing & humidifying 10168
asphalt spraying 10169
black lead (see nozzles, plumbago) 10178
blast 10170
chemical 10171
cooling water spray ...3167a
fire boat 10172
flanged boiler, forged steel 10173
hose 10174
hose wagon 10172
hydraulic mining 10175
impact 10175a
irrigating 10176
ladle sleeves & nozzles 7126
ladle stoppers & nozzles 14372
machines, cloth yard 15486a
oil burner 10177
pipe 10177a
plumbago 10178
sand blast 10179
spray 10180
spray, water cooling..13976c
sprinkler, for sewage 10181
standpipe 10182
welded 10182a
Number plates 11112
Numbering machine inks 6612
machines 8654
& lettering machines, wall paper 9389
& paging machines ...8655
Numbers, decalcomania (see ornaments, transfer) 10414
house (see numbers & letters, metal) 10183
& figures, aluminum...4688a
& letters, metal 10183
Numeral frames 5011a
nails 10073
Nursery labels 7087
refrigerators 12293
Nurserymen's labels.....7087
Nut blanking machines..8656
blanks 883
burring machines 8657
covers 3331
crackers & picks 10184
facing machines 8658
fasteners (see washers, locks) 16641
finishing machines 8659
grinding mills 9808
locks & washers 7515
machinery 7793
machines, hot forge...8468
machines, hot pressed.8660
mfrs. 10185
Nut mfrs., monel metal.1045
milling machines 8606
picks 10184
screwing machines 7794
shellers 10184
splitters 13943
tapping machines 8661
tapping machines, multiple spindle 8662
taps, machine 14861
wrenches 17071
& screw ring bolts.....1095
Nutgalls 10186
Nutmeg graters 5578
Nuts 1130a
(A. L. A. M.).....10187
acorn carriage 10188
automobile 10188a
bicycle 10189
bolt 10218
brass cap 10190
brass hexagon 10191
brass & copper 10192
carriage, acorn 10188
carriage bolt 10192a
case hardened 10193
cast iron 10194
castellated 10195
caster 10196
castle, semi-finished ..10197
check & jam 10198
clevis 10199
cold drawn 10200
cold pressed 10201
cold punched 10202
copper 10192
coupling 10203
double cupped 10204
forged 10205
hot pressed 10206
ivory 10207
jam 10198
joint 10208
knurled 10209
large 10210
leather 12225
lock (see lock-nuts & washers) 7515
machine screw 10211
milled 10211a
or collars 10212
phosphor bronze 10213
pipe sleeve 10214
planer head bolt 10215
rod 10318
Nuts, S. A. E.....10215a
semi-finished 10216
sleeve 10217
square & hexagon....10217a
stove 10218
tapped 10219
telephone 10220
thumb or wing.....10221
tire bolt.....10222
top prop.....10223
weldless eye.....10224
wing 10221
& rivets.....1044
Nutted staples.....14169
Oak flooring.....4891
lumber 7655b
Oakum 10226
Oar locks (see row-locks) 12779
Oars, boat.....10227
Oat cleaners 10229
clipping machines 8663
crushers 3456
groats machinery.....8664
machinery 8665
Oatmeal 10228
machinery 8666
Oblong mesh lath.....7250
rings (see rings, binder) 12485
Obnoxious vapor condensors 3002b
Obscuras, camera.....1812
Observation towers (see tanks & towers, steel) 14825
Ochre miners & mfrs. (see clay miners, etc.)...2641
Ochres 10220
Oculometroscopes 10231
Odometers (see meters, distance recording)....9715
Odorless pumping outfits.11785
Oesphagoscopes 10232
Office building directories (see building directories, changeable).....1642
door letters.....7233
fans 4521
fixtures 4824
gate hinges.....6111
railing spring hinges..6124
railings 506
wardrobes 16612
wire 16296
wire work.....17014
Ohmmeters 10235
Oil agitators..... 20
airoilene 10226
apparatus aniline 173b
automobile lamps 7154
barrels 530
blast furnaces 5101
break switches 14596
burner governors.....5537
burner needle valves..16359
burner nozzles.....10177
burners 1688
burners, combination...1670
burners (fuel oil).....1673
burners (kerosene oil)..1685
burning attachments for traction engines.. 296
burning furnaces 5101a
burning furnaces, fuel..5074
burning locomotives....7594
burning outfit pumps..11895
burning systems 10226a
cabinets 1763
cake mills 9809
cake packing machines.8667
cake trimming machines 8668
coolers 10238a
can faucets 4582
can holders 6257
cans 1859
cans, miners' 1856
cans, pump 1858
cans, safety (see cans non-explosive) 1857
castor 10235
chilling machines.....8669
circulating thermometers 15507b
cloth binding..... 815a
cloth knives.....7009
cloth machinery.....8670
cloth mfrs.....10237
cloth print blocks..... 917
cloth varnishes.....16452
cloth vises.....16516
cocks (see cocks, liquor) 2827
colors (see paints, oil)10562
colors, artists'.....10238
colors, soluble.....2893a
compressors, engine driven 3969
conservator (transformer) 10238a
country tubular goods.10238b
crayons 3413
cup bases..... 597
cup glasses (see glasses, cylindrical).....5485
cup lubricators.....7037
cups 3499a
Oil cups, glass, sight feed signal stop.....10238c
cups, locomotive.....7579
dehydrators, centrifugal 3689c
deodorizers 3693b
derricks 3706
drums 4096
electric plunger & geared pumps 11895a
engine driven compressors 3969
engine generating sets.5415
engines 4287
engines (crude oil)....4288
engines, marine.....4333
expellers 4482
extractors 4506
feeders, boiler.....4600
filters, engineers'.....4713
filters.....4742 & 10239
forges, portable 4930
funnels, overflow.....5033
fuse boxes.....1260
gates 5228
gauges 5307
gauges, dynamo & motor 5307
groove chisels.....3472
groove cutting lathes (see spiral oil grooving machines).....9167
grooving machines, spiral 9167
guns & syringes.....10247
hardening steel (see steel hardening).....14224
headlights 5935
heaters 14420
heating furnace brick.1446
heating systems.....6066a
hoists 6204
hole covers & cups...10240
hose 6464a1
hydraulic 10240a
lamps, marine.....7191
line pumps.....11896
linseed 7488
machinery, corn.....8126
machinery, cottonseed.8127
machinery, linseed.....8559
marine engines.....4288
marine lamps.....7191
meters 9727
mill machinery.....8671
mill rolls.....13535
motors (see engines, oil) 4287
of mirbane 10240b
-of-salt 10240c
of vitriol (see acid, sulphuric) 51
pans 10604b
paints packing.....10464a
pump cans 1858
pump lubricators 7636
pumps .....10240c & 11894
pumps, galvanized.....11902
pumps, geared.....11866
pumps, high pressure.11869
pumps, motor cycle...11897
pumps, rotary.....11900
pumps, self-measuring 11901
pumps, tin.....11902
purifiers 4742
reclaiming systems....10241
refineries, complete, constructors of.....10242
refiners' filters 4743
refinery pumps.....11899
refinery tanks 14785a
refining condensers....3002
regulators 12338
retainers, automobile.. 326
rings 15301a
saving machines 3674
scales 13042
separators 13305c
separators (from steel chips) 13305d
shale retorts 12389b
soluble colors.....10243
spreader & hot roller.10244
stains (see wood stains) 14095d
stills 14319
stills (crude oil).....14315
stone grinders.....5632
stone slabs.....12734
stones 14354
storage systems.....10245
storage tanks, cocoanut 14744a
stove ovens.....10423
stoves 14420
strainers 14434a
suction hose.....6464a
switch bushings.....1714
syringes 10247
tempered springs.....14025
tempering bath 623
tempering furnaces....5102
testers 14933a
testing machinery.....9284
testing sets (see testing sets, electrical)14991
torches 15816b
torches, electric blow.15816c

No.
Oil twist drills.....4072b
valves 16358
wagon cocks.....2832
wagons 16584
weighing scales.....13037
well casing jacks 6781
well casing shoes.....13554
well casing spears....13903
well derricks.....3706
well drilling boilers...1030
well drilling & fishing tools 15722
well drilling engines...4365
well elevators 4280a
well explosives.....10245a
well jacks.....6780
well machinery (see well drilling machinery) 9402
well packers.....10444
well pulling machines.8672
well pumps.....11898
well rig irons.....12416
well shooting.....13572
well strainers.....14435
well supplies.....10246
well supplies, rubber..10246
well torpedoes (see torpedoes) 15818
& gas separators.....13301
& gasoline glass cans..1860
& grease extraction percolators 10816a
& waste saving machines 8674
Oiled clothing.....2762
duck 4151
silk 10248
tissue paper.....10721
Oiler valves.....16360
Oilers, axle (see oilers, engine & machine).10254
car journal box.....10249
car pit.....10250
crank pin 10251
cross head pin.....10252
eccentric 10253
engine & machine....10254
felloe 10255
felt 10256
floor 10257
hog 10258
lawn mower.....10259
locomotive 10261
locomotive flange....10262
loose pulley.....10263
machine 10254
mowing machine.....10265
multiple (see lubricators, multiple oiling..7635
pump 10266a
ring 10266
road 12533
self-closing, dustproof 10267
sewing machine 10268
shaft, safety.....10269
spring bottom.....10270
spring leaf 10271
typewriter 10268
windmill 10272
zinc, etc.....10273
Oiling device sight-feeds.13632
devices 10274
machines, sheet metal.9090
sets, engineers'.....10275
systems, continuous...10276
systems, sight feed....13633
Oilless bearings..... 682
Oils, acetone.....10330a
acetone (ketone).....10277
alizarine 10277a
aniline 10278
animal 10278
antifroth 10280
automobile 10280a
axle 5596
banana 10280b
bicycle 10281
black 10281a
bleaching 10281b
boiler 10282
butter 10283
car cleaning 10284
castor 10285
castor machine.....10286
cement floor.....10287
china wood importers.10288
cochin 10289
cocoa 10290
cocoanut 10291
cod 10292
cod liver 10292a
cold pressed 10292b
cordage 10357
core 10293
corn 10294
cottonseed 10295
creosote 10296
cutting & polishing...10297
cycle 10281
cylinder 7615a
dead 10298
degras 10299
dip 10299a
drilling 10297
No.
Oils, dustlaying (see road binders & preservatives) 12530
dynamic (see lubricating oils and greases).7621
edible 10299b
emulsion 10300
engine (see lubricating oils) 7621
essential 10301
eucalyptus 10301a
fish 10301b
floor 10302
floor, dust absorbing..4884
flotation 10302a
fuel 10304
fusel 10303
gas 10304
graphite 7621
harness 10305
headlight 10306
horse 10307
hydrogenated 10307a
illuminating 10308
kerosene 10310
lard 10311
lawn mower.....10312
leather 10313
lubricating 7621
lustre 10314
medicinal petroleum..10315
mineral seal.....10316
miners' torch.....10317
monopole 10318
motor cycle (see lubricants, automobile) 7615
neatsfoot 10319
neutral 10320
oleo 10321
olive 10321a
paint 10322
palm 10323
paraffine 10324
peanut 10324a
perilla 10324b
pine 10325
pine, creosote.....10326
pipe threading.....10327
pistonite 10328
polishing 10297
putty 10328a
rapeseed 10329
red 10330
refined fusel.....10330a
resins 12374
ricinola 10330b
rings 15301a
road (see road binders & preservatives)....12530
rosin 10331
rubbing 10332
safety lamp.....10333
screw cutting.....10297
sea animal.....10334
seal 10335
sesame 10336
sewing machine.....10281
shingle 10330a
shingle stain.....10337
signal 10338
silk 10339
skid 10340
soluble 10341
soya bean.....10342
sperm 10343
sulphonated 10343a
synthetic 10343b
tallow 10343c
tanners' 10344
tar 10345
tempering 10346
textile 10346a
tinners' 10347
transformer 10348
turbine engine.....10349
typewriter 10350
valve 10351
varnish (see paints, oil) 10322
vegetable 10352
virgin 10352a
vitriol 10352a1
walnut 10352b
waterproofing 10353
water-white 10354
whale 10343
wintergreen 10354a
wood 10355
wood china, importers.7888a
wood finishing.....10356
wool & cordage.....10357
worm gear 10357a
Oilstone grinders.....5632
Oily waste cans(see cans, waste) 1879
Ointment boxes.....1221
Old man drilling posts..11400a
metals (see scrap iron & steel).....13091
Oleate copper 3178a1
lead 7340d1
Oleates 10358
Oleic acid (see oils, red).10330
Oleine 10359
Oleo & lard rendering machinery 8675
oils 10331
No.
Oleo presses 11598
resins 12374
Oleum 10360
acid (see acid, sulphuric fuming) 52
Olive canners (see canned goods) 1829
oil 10321a
oil presses.....11599
One pipe furnaces (see furnaces, hot air mfrs.) 5087
Onion cultivators.....3479
drills 4044
hoes 6163
pullers 11716
skin paper.....10694
Onyx importers.....10361
mantles 10362
workers 10362
Opal glass blanks.....5459
glassware 5496
Opalescent glass.....5460
Open circuit batteries... 653
feed water heaters...6038e
hearth cars.....2008
hearth charging boxes.1208
hearth charging cars...2008
hearth charging machines 8010
hearth furnace door frames 5012
hearth furnace doors.3944
hearth furnace ports.11392
hearth furnace valves.16361
hearth furnaces.....5103
hearth iron.....6700
hearth ladles.....7133
hearth steel 14234a
hearth steel castings..2192
rings 12470
seam steel tubing.....16119c
side planing machines.8815
& closed circuit batteries 653
Openers, bottle.....10363
box 2463
can 10364
casement 10365
cigar box.....10366
crate 2463
door, electric.....3903
door, elevator.....4237
door garage 10367a
egg 10367
fruit jar.....17075
garage door 10367a
letter 10368
sash ventilator, for cars 10369
spring leaf 10369a
& feeders, wool washer 15302
& lappers, cotton.....15303
Opening devices, window (see skylight ventilating apparatus) 13729
dies 3778
Opera chairs & assembly seating 10370
Operating device, valve.16255a
tables (see furniture, hospital) 5145
Ophthalmoscopes 10371
Optical cases.....2120
glasses 5460a
goods, mfrs.'.....10372
grinding lathes 7286
instruments 6635
lenses 7385d
mailing boxes 1260a
screws 13211
thermometers 12043
Opticians' machines & tools 8493
Orange acid 41
clippers 2703
mineral 10372a
peel buckets.....1603
reamers 12200
Orchard heaters.....6040
sprayers 13977c
Orchestra lamps.....7203
Ordinary receptacle....12226
snap switches.....14604
Ordnance castings.....2133
light & heavy.....10373
Ore bags 404
barrows 553
bin gates.....5227
bins 820
bridge controllers.....3053
briquetting machines (see briquetting machines) 7385
buggies .....1635 & 1636
cars 2045
classifiers 2629a
concentrators 2977
concentration cones....3023a
conveyors 3130
coolers 3164
crushers 3457
crushers, gyratory.....3458
crushers, hand power.3459
crushers, jaw.....3460
dryers 4133
Ore, emery 10374
feeders 4607
gates 5228
grinders, sample.....5642
handling bridges.....1476
handling machinery....8060
hoisting towers 16834
jigs 6818
milling machinery.....8676
reduction machinery...8677
roasting furnaces (see furnaces, smelting, roasting, etc) 5122
sacks 12842
samplers 12890
sampling mills.....9810
separators 13306
trestles & tipples, steel (see tipples, mine)..15621
wagons 16585
washer screws.....13212
washing machinery....8678
& pig iron barrows.... 553
Ores, aluminum.....10375
antimony 10376
bauxite 10377
bismuth 10378
chrome 10379
copper 10380
emery 10374
gold 10382
iron 10383
lead 10384
lithium 10384a
magnesite 10385
manganese...9533a & 10386
molybdenum 10387
platinum 10388
purple 10389
pyrites 10390
rare 10390a
rare & semi-rare.....10390b
red 10391
silica 10392
silver 10392a
strontium 10392b
sulphur 10393
tantalum 10393a
thorium 10393b
titanium 10393c
tungsten 10394
uranium 10395
vanadium 10396
zinc 10397
& mattes.....10398
Organ blowers..... 944
blowing motors electric 9984
felts 4626
hardware 5933
hinges 6113
motors 9883
pipes 10994
springs 14026
stop knobs 7079
tubing 16110
Organic & inorganic material dryers.....4133a
Organs 10399
carousels, etc.....1966
mechanical 10400
military band.....10401
Ornamental brass & bronze 10402
brick (see brick, face)..1424
bronze 1487
bronze gates.....5229
hinges 6112
iron 6690
iron castings.....6699
iron fences (see gates, ornamental iron).....5229
iron gates.....5229
iron skylights.....13731
iron work punches.....11999
lead 7347
pedestals 10781
wickets 16343a
Ornaments, candy box..10403
clock 10404
composition 10405
fence (see rosettes & pickets, iron) 13773
gable 10408
harness 10409
iron (see fountains, vases, etc).....5000
lead 10410
plastic 10411
putty (see ornaments, composition) 10405
radiator 10412
sheet metal.....10413
shoe 10413a
transfer 10414
wood 10415
Orphan car bearings.... 675d
Ortho cresol 3425a
nitrophenol 10163a
nitrotoluene 10416
toluidine 10416a
Orthonitropenol 10415a
Oscillators 10417
Oscillographs 10418
Osmium 10419
Outdoor lighting fixtures.7485d
sleeping berths 13767
sleeping room screens.13146a

INDEX

INDEX

No.

Outfits, camp cooking...1814
camping 1815a
cobblers' 2792
color matching.....2886
die sinkers.....3745
gauges, welding.....5349a
milk inspectors.....10419
screening, portable....11389
spray 13976d
steel, etching 10420
thawing 15492
wood sawing 17032a
Outing cushions, canvas..3516
Outlet boxes.....1242
boxes, floor.....1242
bushings 1715
fixtures, coal chute....4830
& lock-nut bushings..1715
Outside packed pumps..11903
Oval slide vises.....16532
turning chucks.....2520
Oven builders, brick & portable 10422
castings, bake.....2150
door handles 5855a
doors 3910
doors (bakers' oven)..3910
doors, core 3917a
fittings, bakers'.....4796
furnaces 5099
illuminators 6532
lamps (see illuminators, oven).....6532
racks 12079
thermometers 15512
Ovens, annealing (see furnaces, annealing).5046
baking & japanning..10429
bread 10423
by-product, coke & gas 10424
cabinet 10424a
conveyor 10424b
coke 10424
core baking.....10425
drying 10425a
Dutch (see pans, roasting & baking).....10606
electric 10426
enameling 10427
gas stove.....10428
multiple pass 10430
oil stove 10428
japanning or baking..10429
sheradizing (see sheradizing) 13513
wire bluing 10431
wood distillation 10432
Overalls 10432a
Overflows & waste, bath.16665
Overhead cranes electric.3373b
cut-off saws.....12990
switches 14597
trolley frogs.....5026
trolleys & trolley tracks 15981
turntables 16176
Overlay knives.....7010
Over-seaming sewing machines 9069
shoe buckles.....1621
Ox balls..... 466
bow pins.....10907
bows 1182
muzzles 10038
shoes 13560
Oxalate, ammonium..... 153a
cerium 2285c
potassium 11417a
titanium 15651a
Oxalic acid..... 42
Oxide aluminum 132
calcium 1799f
chrome 2499
chromium 2502a
cobalt 2791g
concentrates, titanium 15651b
magnesium 9509c
of antimony..... 188
of cadmium (see cadmium).
of copper 3178b
of iron.....10433
of iron, precipated.....6700b
of lead.....7340 & 7497
of manganese.....10434
of nickel 10126b
of silver.....13700b
of tin 15609a
of uranium.....16242
of zinc.....10438
paints 10563a
red (see litharge).....7497
zirconium 17144c
Oxides, bismuth 824b
spent 10438a
Oxidized nails 10074
Oxidizing machines.....15305
Oxone 10439
Oxy-acetylene cutting ...3619a
-acetylene equipment for cutting & welding..10440
-acetylene, hose.....6464a2
-acetylene regulators..12340
-acetylene welding.....16749
-acetylene welding & cutting torches 15817a
-hydrogen, apparatus.10440a

No.

Oxychloride phosphorous, 10836a
Oxygen 10441
cylinders 3642
gas 10441
gas compressers.....2970
generators 5426
medicinal 9659a
tanks (see cylinders, hydrogen, oxygen, etc.) 3642
Oxymuriate of antimony. 188a
Oyster canners (see canned goods) 1829
canners' machinery 8679
cultivating machinery.8680
dredge winders.....16858
grabs 5547
knives 7011
screens 13146b
tags 14706a
Ozokerite wax importers16703
Ozone generators.....5427

Package attaching envelopes (see mailing devices, combination letter & parcel)....9521
chutes 2542
crayons, wax & oil....3413
drops 4091
elevators 4555
handles 5856
handling machines for department stores, etc. 8681
heading-up machines..8682
receivers 12217b
sealing & labeling machines 8683
metal 10442a
Packages, fruit & vegetables 10442
Packaging machines, automatic 7702
machinery cloth.....15305a
Packers, bran (see packing machines) 8687
can-making machinery.8685
canned goods.....1829
cans 1862
cement (see packing machines) 8687
cottonseed cake.....10443
feed (see packing machines) 8687
flour (see packing machines) 8687
flour mill 10442b
glassware (see jars, fruit) 6310
lime (see packing machines) 8687
linseed cake.....10443
meat 9655
oil well.....10444
shingle 10445
sub-surface 10446
& rings, rubber.....12791
cans 1862
trucks 16032
Packing acid 10446a
air 10447
air brake 10447a
air compressor.....10448
ammonia 10448a
asbestos 10449
asbestos, metallic cloth 10450
baling press 10450a
box mfrs......10451
braiding machines.....7868
cases 10451
condenser 10452
cotton compress 10452a
cotton oil mill.....10452b
flax 10453
flange joints 10452c
flexible fibre 10454
gas 10464a
gum core 10454a
hard fibre (see fibre, hard) 4680
hemp 10455
high pressure 10455a
hoof 10456
hooks 6363
house machinery.....8636
house pumps.....11904
house scales (see scales, beam) 13014
house waste product machinery 9394
hydraulic 10457
hydraulic, metal.....10458
journal box.....10459
jute 10460
leather 10461
locomotive rod.....10462
machines 8687
machines, cigarette....8032
machines, cottonseed cake 8688
machines, linseed cake.8688
machines, oil cake....8667
mfrs. 10463
marine 10463a
metallic 10464
metric 9742

No.

Packing needles.....10115
oil 10464a
pads 10491
pads, excelsior 10465
pails 10515
paper, corrugated....10695
piston rod.....10465a
pneumatic die cushions.10465b
pump 10466
rawhide 10467
red sheet (see packing sheet) 10472
resilient waste.....10469
ring 10470
rod & plunger.....10471
rubber (see packing mfrs.) 10463
sheet 10472
spiral 10470
steam 10472a
sticks 10473
tools 15758
vulcanized fibre.....10475
water 10464a
weather strip.....10476
weighing & bagging machines, automatic.9399
wire rope pulley.....10477
yarn 10478
& grading machines, fruit 8341
Pad screws 10479
Padding machines.....15306
table 10480
table, asbestos..... 269
Paddles, beater.....10481
canoe 10482
mustard 10483
Padlock, chains.....2359
eyes 4521a
locks 7549
Padlocks 7549
pole 10484
Pads, calendar.....10485
carriage step.....10486
chair 10487
coach 10488
copying book 10488a
desk 10488b
excelsior packing 10488c
felt 10488d
gun recoil, rubber.....5727
heating, electric.....6064
horse collar.....10489
horse shoe, leather...10490
horse shoe, rubber....12788
packing 10491
packing excelsior 10488c
stamp 10492
sweat 10493
telephone 10494
tire repair.....10495
truss 10495a
& tablets.....10496
Pail bailwoods 429
clasps 2629
ears 10497
fasteners 4565
handle machines..... 8689
handle staples.....14170
handles 5857
machinery 9350
Pailbail, woods 17041c
Pails, aluminum.....10498
butcher supply 10498a
candy 10499
cement 10500
collapsible (see buckets & pails collapsible).....10500a & 1615
commode 10501
dairy 10503
dinner 10504
fibre 10505
fire .....1595 & 10507
foundry 10506
galvanized iron.....10507
garbage 10508
milk 10510
milk strainer, etc...10511
miniature, wooden.....10511a
mortar 10512
navy 10500
packing 10515
paper 10513
rubber (see buckets, rubber) 1606
sap 10514
shipping 10515
steel, shop.....10516
syrup 10521
tar 10517
tin 10519
tin, lard.....10518
waste (see cans, waste) 1879
water 10518a
wood 10520
Paint, anti-stick.....10522
boxes 1235c
brushes 1554
burners 10523
can machinery 8690
cans 1863
colors 2891g
dryers 4146
fillers 4718
grinders, dry material.10524

No.

Paint grinding & mixing machinery 8691
kettles 6876
kits 6916
lead tinted 7345e
mfrs. 10525
mfrs.' color cards....10526
mixers 9879
mixing machinery.....8691
oils 10322
paste 10526a
pot hooks 6363a
pots 11436
removers 10527
spray hose.....6464b
sprayers 10526b
spraying equipment...10526b
strainers 14436
& varnish remover...10527
& whitewash spraying machines 8693
Painters' brush handles..5858
colored sand 12900a
dusters 4176
hand sanders.....12911
knives 7012
mural 3680
outfits 10527b
putty 12036
scaffold irons.....6738
scrapers 13113
trestles 15935
Painting machines pneumatic 8835
sheet metal.....12687
sprays, compressed air (see painting machines, pneumatic)...8835
Paints, acid proof.....10528
alkali resisting 10528a
aluminum 10529
anti-cyanide 10529a
asbestos 10530
asphalt 10531
asphaltum 10532
automobile 10532a
barrel 10533
blackboard 10535
brick & concrete.....10536
bridge (see paints for coating & preserving iron & steel).....10548
carbon 10538
cement 10536
coal tar 10538a
cold japan.....10539
cold water.....10540
concrete 10536
copper 10541
damp resisting.....10542
dipping 10543
dry 10543a
earth 10544
enamel (see enamels).
fire resisting.....10546
fireproof 10545
flat wall 10547
floor concrete 10547a
for coating & preserving iron & steel....10548
freight car.....10549
fume proof 10550
gold 10529
graphite 10551
heat resisting.....10546
household 10563d
hydraulic 16687
ice can.....10552
insulating 10553
iron oxide.....10554
iron resisting (see paints, rust proof)..10566
locomotive 10556
machinery 10557
marine 10558
metal 10560
mill white.....10561
mineral 10561a
mixed, for export....10562
oil 10563
oxide 10563a
preservative wood....10563b
preserving 10563c
ready mixed.....10563d
roofing 10564
rubber tire 10565
rust proof.....10566
sheep 10567
shingle (see shingle stains) 14095b
smoke stack.....10548
steam proof.....10570
technical 10571a
teredo-proof 10572
tree wound 10572a
trolley pole 10573
water color 10573a
wood preserving 10573b
Palettes 10574
Palladium 10575
Pallets, brick 10576
lettering 10577
Palm leaf hats.....5971
oils 10323
Palms, sailors' 10578
Pamphlet stitching machines 8694

No.

Pan cleaning & greasing
machines 8695
conveyors 3124
ears (see pail ears)..10497
grinder rims & rings.12424
grinders 5633
mixers 9880
Panel board cabinets.....1764
boards (see switchboards, light & power) 14565
raising knives.....7013
raising machines.....8697
Paneling machines, wood.9471
Panels, furniture.....10578a
protective 10579
radio vacuum tube....10580b
rheostat 10580
stove door 10580a
veneer 10581
Pans, acid.....10582
amalgamating 140
annealing 10583
automobile dust.....10584
baking .....12537 & 10606
bed 10585
bread 10586
cast iron.....10588
cement 10589
chemical 10590
clean-up 10591
concentrating 10591a
copper 10591b
crystallizing 10591c
drip 10592
drip, automobile.....10593
dry 10595
drying 10595a
dust 10596
evaporating 10597
foundry grinding 10597a
fry 10598
galvanizing 10599
gem 10601
gravel 10602
grinding 10595
ice 6525
lathe 10603
lead 10604
made to order.....10608a
mixing 10604a
oil 10604b
platinum 10604c
refrigerator 10605
roasting & baking....10606
salt 10607
shop 10608
special 10608a
steam jacketed 10608b
steam revolving.....10609
steel mortar 10609a
subliming 10609b
sugar coating.....10610
sugar cooling.....10611
sweating 10612
taper, steel.....10613
vacuum 10614
wax 10615
weigh 10616
wet 10617
& barrels amalgamating 10619
Pantagraph machines...8698
Pantographs 10618
Pantry windows, revolving 10619
Paper, abrasive (see paper flint, sand & emery paper 10663 also sand paper)....10663
absorbent 10620
anti-rust 10621
anti-tarnish 10622
asbestos 256
bag 10623
bag machinery.....8699
bags 405
bags, coke..... 385
bags, special 417b
balers 11484
baling presses 11482a
bank note.....10624
bankers' safety.....10625
bible 10626
black 10627
black coated.....10628
blankets 873a
blasting 10629
blotting 10630
blue print mfrs.....10631
blue & black print.... 963
board printing machines 8701
bogus 10632
bond 10633
book 10634
bottle cap machinery..8702
bottles 1170
box corner cutting machines 8703
box corner staying machines 8704
box covering.....10635
box covering machines.8705
box cutting & creasing presses 11600
box cutting & scoring machines 8706

No.

Paper box edging machines 8707
box ending machines..8708
box folding & gluing machines 8709
box forming machines.8710
box gumming machines.8711
box machine knives...7015
box machinery.....8712
box makers'.....10636
box makers' shears..13436
box printing machines.8713
box sealing machines..8714
box thumbhole machines 8715
box topping machines..8716
box wire stitching machines 8717
box wrapping machines.8718
boxes 1260b
boxes, corrugated.....1213
boxes, folding.....1230
boxes, metal edge.....1261
building 10706
butchers' manila.....10638
calendering machines..8719
can machinery.....8720
cans 1864
cap exploders.....4486
cap repeating pistols.10999c
carbon 10639
carbon tissue.....10640
carborundum 10641
cartons, folding.....2084
cartridge 10642
cash register 10643
cement sacks 405
cigarette 10643a
clip & fastener machines 8721
clips 2712
cloth lined.....10644
coated 10716
coating machines.....8722
coke bags..... 385
condenser 10645
containers (see cans, paper) 1864
cop tubes.....15085
cores 3213a
cork 10647
corrugated 10648
cotton batting.....10649
cover 10650
covering machines.....8723
creasing machines.....8156
crepe 10651
cups 3500
cutter knives.....7016
cutters 3577
cutters, hand.....3577
cutters (roll paper)....3589
cutting machines.....8724
detail 10651a
dishes 3848
document 10652
doilies 3878
drawing 10653
drawing, tracing & detail (see tracing cloth & paper) 15845
drug 10655
dryers 4133b
easels 4188
emery 10663
enameled 10657
envelope 10658
express 10659
fasteners 4566
feeding machines.....8725
fibre 10660
fillers 4719
filter 10661
fireworks 10662
fish 10662a
flint 10663
flour sacks 405
fly 10664
folding cartons.....2084
folding machines.....8726
for carbon manifolding.10665
fourdrinier tissue.....10666
frictions 5022
garnet 10663
gaskets 5212
gauges 5308
glassine 10667
glazed 10663
goods, sanitary 10669
grease proof.....10670
gummed 10671
ham wrapping.....10672
hangers' brushes 1555
hangers' knives.....7017
hangers' rollers.....12626
hangers' scrapers.....13113
hangers, shears.....13437
hangers' tools.....15759
hangers' trimmers....15948
hangers' twine 16203
hardware 10673
insulating 10675
insulators for cables (see sleeves, paper).13762
jute 10676
knives 7014
kraft 10677
label 10678

No.

Paper lace 10679
linen 10680
linen ledger.....10681
lining 10682
lithograph 10683
loose leaf.....10684
macaroni 10685
machine counters.....3265
machine rollers.....12627
machinery, crinkled...8159a
machinery rolls, composition 12666
machines, amatite....7679
machines (wrapping paper) 9497
makers' chemicals...2441a1
makers' colors & fillers 2896
makers' fan pumps...11905
makers' felts.....4634
makers' jackets.....4634
making machines 8727
manifold 10686
manila 10687
manila, butchers'.....10638
map 10688
matrix (see paper, stereotyping) 10714
milk bottle machinery.8728
mill agitators..... 91
mill architects..... 230
mill castings 2183a
mill dryers.....4134
mill dusters 4177
mill engine roll bars & bed plates.....12605
mill grinders.....5634
mill machinery.....8744
mill pumps.....11906
mill screens.....13147
mill suction box vacuum pumps.....11907
mill trucks.....16033
mill wet machines.....9403
mills 10738
mimeograph 10689
mitreing machines.....8627
moistening machines...8630
music 10690
napkin machinery.....8729
napkins 10691
negative & black line.10692
news 10693
oiled tissue.....10721
onion skin.....10694
packing, corrugated..10695
pail machinery.....8730
pails 10513
papeterie 10696
paraffine 10730
parchment 10697
pasting machines.....8751
pattern 10698
photographic 10699
plates 3848
playing card 10700
presses baling 11482a
pulleys 11748
pulp chemical evaporators 4442
punches 12012
punching machinery...8731
punching machines (light, metal, paper, etc.) 8876
rag wrapping.....10735
railroad copying.....10701
railroad manifolding..10702
railroad manila & writing 10703
reels 12267
rewinding machines...8732
ribbon 10704
roll plugs.....11225
roll wrapping.....10734
roofing 10706
roofing, saturated....10705
roofing, sheathing & building 10706
rope 10707
rule forming machines.8733
ruling machines.....8734
sack 10708
sacks, cement & flour.. 405
safety, bankers'.....10625
sand (see paper, flint sand & emery).....10663
saturating, coating & water-proofing machines 8735
scales 13039b
scrap 13093
screening 10709
scoring machines.....8706
sensitized (see blue & black prints & papers) 963
shades 13353
shears 13435
sheathing 10706
sheet holders 6258
shipping boxes.....1262
shipping case machinery 8736
shipping covers.....8332
silver tissue.....10710
sleeves 13762

No.

Paper slitting & rewinding machines 8737
slotting machine.....9139
soap wrapping.....10711
spoons 13963
stackers 14089
stapling machines.....8738
starch 10712
stencil 10713
stereotyping 10714
stock shredders.....13609a
stock thickening machines 8739
straw 10715
straw wrapping.....10736
surface coated.....10716
table covers.....3338
tag 10717
tapeing machines.....8740
testers 14984
testing machines.....9285
ticket 10718
tissue 10719
tissue, fourdrinier. . .10666
tissue, manila.....10720
tissue, oiled.....10721
tissue, silver.....10710
tissue stereotyping ...10721a
tissue, white & colored 10722
tobacco 10723
toilet 10724
towel machinery.....8741
towels 15829
tracing 15845
trade mark 10724a
train order.....10725
transfer graining.....10726
translucent 10727
tube machines.....8742
tube rolling & cutting machines 9357
tube-winding machines 15484
tubes (see tubes, mailing, etc.).....16080
tumeric 10727a
twine 16202
twine & cordage machinery 8743
typewriter 10728
wall 16610
wall, fireproof.....16609
washers 16645
water proof.....10729
waxed 10730
waxing machines.....8743a
weight anvils..... 201
weights 10731
white print.....10732
wrapping 10733
wrapping, ham.....10672
wrapping, in rolls....10734
wrapping, rag.....10735
wrapping, straw.....10736
wrapping, tire or wire.10736a
writing 10737
& mill board mfrs., asbestos 256
& pulp mill architects. 230
& pulp mill machinery.8744
& pulp mills.....10738
Papering machines.....8745
Papermakers' twine.....16203
Papers, blue print..... 963
brown print 963
makers' screen diaphragms 3735a
press 15323
profile 11680a
Papers & prints, block... 963
Papeterie paper.....10696
Papier mache mfrs....10739
Para-amino-phenol 10739a
-amido-phenol base...10739a1
dichlorbenzol 10739b
idehyde 10739e
-nitraniline 10741
-nitro-chloro-benzene.10741a1
-nitro-phenol 10741a
-nitro-toluene 10741b1
-phenylene diamine....10741b
-toluidene 10741c1
Paraffine oils.....10324
paper 10730
wax 16704
wax machinery.....8746
Paraffining machines.....8747
Paraform 10739c
Paraformaldehyde 10739d
Parallel clamps.....2601
vises 16533
Parallels, planer.....10740
Parasol handles 5820
mountings 10020
trimmings 15966
Parcel carriers, luggage..1992a
carriers 10741c
post bags 406
post boxes 1263
post scales.....13040
& letter combination mailing devices 9521
Parchment paper.....10697
Parers, fruit & vegetable 10742
hoof 10743

INDEX

INDEX

No.

Paring knives 6993
machines, apple.....7686
Paris black (see carbon black mfrs.).....1938
green 10744
white 16842
Park sprinklers 14050
waste cans.....1865
way cables.....1778a
Parker floor varnish....10744a
Parliament butts 17471
Parlor door hangers.....3895
gas grates.....5581
Paroid roofing.....12729
Parquet floors.....4896
Parting compounds 2943
tools 15760
Partition braces.....1315
corners 3236
supports 14540
tile 15584
tile, fireproof 15584
tile, terra cotta 15596a
Partitions 4778a
fireproof .....10744b & 4779
flexible 10749
folding 10744c
reinforcing materials for 10745
steel 10746
steel rolling.....10747
stock room.....10748
toilet 10748a
tool room 10748b
wire 10748c
wood rolling.....10749
Parts, adding machine..10750
loose leaf metal.....7612a
radio 12104d
Passenger automobile metal bodies 1001b
automobile wood bodies 1001c
automobiles, electric ...320c
automobiles, gasoline.. 321
automobiles, steam.... 321a
car doors, hollow metal3945
cars 2048
elevators 4270
Paste 10751
adhesive 10751a
brushes 1555
calking 10752
canners', etc.....10753
carriage trimmers'....10755
emery 10756
insulating (see soldering flux, etc).....13874
jars 6813
kits 6916
library 10757
mixers 9881
mixing machines.....8748
mixing machines, crucible 8161
paint 10526a
pipe joint.....10758
plumbers' 10759
soldering 13874
tooth 15791a
Pasteurizers, milk, etc.10762
portable 10763
Pasteurizing machines...8749
Pasting machines.....8750
machines, paper, cloth, leather, etc.....8751
Pastry boards..... 965
Patch bolt taps.....14865
bolts 1058
bolts, toggle boiler.....1123
machines, band saw..7722
Patches, tube 10764
& tire repair..... 11244
Pate cutting machines...9120
Patent attorneys 10765
leather 7366
leather trucks 16033a
leveled nickel silver..10126c
soapstone mortar.....9937
Patented articles.....10766
cranes, round house...3379a
retainers for veneers..12385a
Patents 10766a
Patrol wagons, police & fire 16586
Pattern boards..... 983
letters & figures.....7395
lifting screws.....13214
lumber 7656
makers' benches 764
makers' dowels.....3969
makers' fillets.....4723
makers' lathes.....7287
makers' supplies.....10767
makers' vises 16520
mfrs., stove 14392a
paper 10698
plates (see plates, match) 11110
plates, aluminum....11054a
shop sawing machines..8753
storage racks.....12080
Patterns, metal.....10768
shoe 10769
& models 10770
Paul system of steam heating 6065

No.

Paulins (see tents, contractors'; also tarpaulins) ...14952 & 14885
Pavement cleaners.....2668
scrapers 13118
Pavers' hammers 5781
rammers 12147
Paving block machines, wood 9472
blocks, asphalt.....10771
blocks, cedar.....10776
blocks creosoted.....10776
blocks, fire clay.....10773
blocks, granite.....10774
blocks, stone.....10775
blocks, vitrified (see brick mfrs., vitrified paving) 1466
blocks, wood 10776
brick, vitrified.....1466
contractors, asphalt...3043
contractors, wood block.3049
joints, expansion 6835
pitch 11006
tools 15761
tools, asphalt.....15699
Pawl posts for tugs.....11407
Pay envelope sealing machines 9049a
station coin collectors (see coin collectors, telephone) 2860a
Payout reels.....12268
Pea canners (see canned goods) 1829
canners' machinery....8754
cleaners 2645
cleaning & grading machines 8392
feeding machines.....8755
fillers (see can filling machines) 7930
harvesters 5964
hullers 6495
hulling machinery.....8756
pickers 10847
planters 11027
separators 13307
sorters 13886
threshers 15546
Peach baskets (see packages, fruit & vegetable) 10442
canners (see canned goods) 1829
pitting machines.....8757
stoners 14350
Pealers, fruit, etc.....10742
Peanut bags 406a
blanchers .....869 & 6494
butter canners (see canned goods).....1829
butter machinery 8758
diggers 3812
hullers 6494
machinery 8759
oil presses.....11601
oils 10324a
pickers 10845
planters 11033
roasters 12536
roasting machines.....8067
separators 13308
threshers & cleaners..15550
Pear canners (see canned goods) 1829
Pearl ash (see Potassium carbonate calcined).11416a
button machinery & tools 8760
buttons 1789
Pearling machinery, barley, pepper, etc.....8760a
Peat excavating machinery 8760b
Peat fuel machinery.....8761
moss 9947
shredders (see peat fuel machy.) 8761
Peavey handles.....5821
picks 10859
sockets 13840
Peavies 10777
Pebble dryers (see sand & gravel heaters & dryers) 12908
mills 9761
surface roofing.....12716
Pebbles, flint.....4873
Pedals, automobile horn 10778
bicycle 10779
motor cycle.....10779
muffler cut-out 10780
Pedestals, ornamental..10781
radiator 10782
sun dial 10783
wooden 10783a
Pedometers 10784
Peeling tables.....14654
& seeding machines, pumpkin 8871
Peg awls..... 333
boards 983a
& lace hole cutters, automatic 15099
Pegs, bluing.....10784a
brush 10784b

No.

Pegs, clothes 10784c
dental polishing 10784d
dobby 8365
hat 10784e
husking 10785
kindergarten 10785a
shoe 10786
wood 10787
Pen cases.....2121
clips 2713
points 10806a
trays 15924a
& ink artists, architectural 243
Pencil boxes 1264
cases 2121
clips 2713
holders 6260
sharpeners 13389
timber 10788
Pencils, advertising.....10789
camel's hair.....10790
chalk, propelling & repelling 10791
clutch 10792
copying ink.....10793
crayon (see crayons & pencils, metal workers, etc.).....3414
French chalk.....10796
lead 10798
lumber 10799
mechanical 10792
metal workers'.....3414
slate 10800
talc & soapstone.....10801
Pendant switches.....14598
telephones 14935
Pendants, wiring.....10803
Penetrating stains 14095a
Penetrometers 10804
Penholders 10805
Pennant felts.....4625
mfrs. 10806
Pens, animal 10806b
bull 10807
calf 10807
cow 10807
fountain 4995
gold 10808
gold plated.....10809
ruling 10810
shading 10810a
show card lettering...10811
steel 10812
Pensticks 10812a
Penstocks 10813
Pepper pearling machy..8760a
shakers 13377
Perch plates.....11113
Perches, bird cage.....10813a
examining 10814
Perchloric, acid 42a
Perchloride, iron 6700a
Percolator handles 5858a
Percolators, chemical works 10815
coffee 10816
for oil & grease extraction 10816a
garbage, grease, etc..10816b
pharmaceutical 10817
Percussion caps (see ammunition) 155
Perforated aluminum.... 136c
belting 747
metal grilles 5605b
metals 9696
music rolls.....12685
radial block chimneys.2456
screens for coal, etc..13148
slat settees.....13325
steel floors 4896a
Perforated trays, vitreous enameled 15924b
Perforating machines....8762
presses 11602
rule, cutting & creasing 12805
Perforators, check.....2427
music roll (see music roll cutting machines) 8641a
postage stamp.....10818
Perfume bottles 1170a1
Perfumers' chemicals....2441a
Perilla oils.....10324b
Periscopes 10819
Permanent magnets.....9515
tracks & switches....15847c
Permanganate (see potassium permanganate) 11417a
calcium 1799g
potassium 11417b
sodium 13856a
Permissible explosives...4489
Peroxide, barium..... 517
calcium 1799h
lead(see dioxide) 7338b
of hydrogen 6413b
of manganese.....9539b
of sodium 13856b
Persulphate ammonium . 153b
Pestles 10821
Petri dish covers.....3325
Petrol depth gauges.....5303a
Petroleum can mchy....8763

No.

Petroleum coke 2865
& its products.....10823
Pevey cards.....15046
Pew end mfrs.....10824
plates 11114
racks 12081
Phaetons 1972
Pharmaceutical apparatus 8764
dryers 4134a
machinery 8764
oxide of zinc (see oxide of zinc (U. S. P)).
percolators 10817
stills 14320
Pharmaceuticals 10824a
Pharyngoscopes 10825
Phase rotation indicators.6568
shifters 13523
Phenol apparatus 10825a
resins 10825b
stills 14320a
Phenolphthalein 10826
Phenylenediamine, meta.10826a
Phenylhydrazine (see chemicals) 2487
Phones automobile..... 328
radio (see head sets, radio) 5976a
Phonograph apparatus.10826b
castings 2183b
crank handles 5858b
hardware 5939a
horns 6488
motors (see motors, spring) 9989b
needles 10116
record holders, wire..12227
reproducers 10827
springs 14026a
Phonographs (see talking machines) 9244
Photographic lamps.....7203a
Phosphate, acid..... 42
ammonium 154
carriers 1977
machinery 8765
rock 10828
rock dryers.....4135
sodium 13857
Phosphine 10829
Phosphor bronze.....10830
bronze alloys 126
bronze balls 467
bronze bushings 1716
bronze castings 2184
bronze ingots 6596
bronze nuts 10213
bronze rivets 12517
bronze rods 12575
bronze rolling mills....12651
bronze screws 13215
bronze sheets 10831
bronze springs 14027
bronze washers 16646
bronze wire 16956
bronze wire rope.....16973
copper 10832
shafts 13373
tin 10833
Phosphoric acid..... 44
acid plants 45b
Phosphorizers 10834
Phosphorous 10836
ferro 4654
oxychloride 10836a
melting bars, low..... 575
trichloride 10836b
Phosphorum copper.....10835
Photo mount beveling machines 8767
Photo-engravers' lining-beveling machines...8557
machinery 8766
nails 10085
supplies 10836c
Photo-engraving arc lamps 7151
Photo-engraving copper (see photo engravers' supplies) 10836c
Photograph card beveling machines 8768
machines 8769
Photographers, architectural 10837
Photographic chemicals..2441b
copying machines.....8770
films 4725a
glass 5461
lenses 7385e
mounts 10021
paper 10699
plates 4725a
& photo engraving lamps mfrs. 10837a
Photol 10838
Photomailers 10838
Photo mailing envelopes..4426b
Photometer lamps.....7204
meters 9728
Photometers 10839
Photo-micrographic apparatus 10840
instruments 6635a
Phthalic acid 44a
anhydride 10840a
Physical laboratories....7692

No.

Physical laboratory apparatus 10341
Piano action machinery.8771
actions 68
benches 773
blowers (see blowers, organ) 944
cases 2122
felts 4626
hammer shank tongs..15680
hammers 5782
hardware 5933
hinges 6113
locks 7551
machines 15307
makers' clamps.....2568
makers' pliers.....11169
makers' tweezers.....16188
moldings 9394d
plates 11115
player (see pianos)..10842
player hardware mfrs..5932
varnishes 16454
wire 16957
Pianos 10842
Pick eye forging machine.8772
eye forging presses...11603
handles 5843a
-up carts.....3100
-up fire tongs.....15681
-ups, trolley wire.....10860
Pickaroons 10843
Picker, lap scales.....13040a
leather 15308
parts 15309
pins 15310
sticks 15311
teeth 15312
Pickers, bean.....10844
burr 15313
coffee 10845
corn 10848
cotton 15314
cotton filled.....15315
fruit 10846
grape (see pickers, fruit) 10846
hair 15316
hair pickers 11363
loom 15317
mixing 15318
pea 10847
peanut 10845
rag or shoddy.....15319
& cleaners, stock.....15320
& huskers, corn.....10848
Picket fences, iron & steel 4637
heading & pointing machines 8773
mills 7252
pins 10908
Pickets, wire.....10849
wood 10849a
& rosettes, iron.....12773
& rosettes, wood (see ornaments, wood)..10415
Picking machines, cotton.3138
machines, slate.....9128
tables 14655
Pickle canners (see canned goods).....1829
kits 6917
ladles 7138a
Pickled stamping steel strips 14265
steel sheets.....14257
Pickling acid 44b
acids for iron & steel.. 60a
compounds 2943a
machines 8774
tables 14647
tanks 14786
Picks, asphalt.....10856
boiler 10850
clay 10856
coal 10857
coal, locomotive.....10856
coal puncher.....10858
concrete 10856
contractors 10856
drifting 10856
Dutch head & point...10851
fireman's truck.....10852
flax tow.....10853
hookaroon 10854
ice 10855
locomotive coal.....10856
mattocks & grub hoes.10856
mill 10856
mining 10857
mining machine.....10858
nut 10184
peavey 10859
poll 10856
prospecting 10856
puncher 10858
stone 10856
surface 10856
tamping 10856
tie 10856
Picramate sodium.....12857a
Picric acid 44c
acid apparatus 10861
acid nitrators.....10158a
Picture cable (flexible moving) 10862
cameras, motion.....1813a
cords, braided.....3202
cords wire.....3201
Picture easels 4180
film reel tubs.....6491a
frame backs 370
frame machinery.....8775
frame moldings 9894l
frame points.....11347
frame vises.....16534
frames 10862a
hooks 6364
mats 9611
moldings, steel 9894r
nails 10075
projectors, motion....11683c
wire 16958
Pie crimpers.....8431
making machines (automatic) 8776
plates 11116
plates, wood.....11117
Pieced tinware machinery 8777
Pieces, wood mouth....10862b
Pier head lamps.....7205
lamps 7158
Piercing dies.....3782
machines, billet.....7770
saws 12991
Piers, iron (see steel structural work)....14268
Piezometers 10863
Pig aluminum (see ingots, aluminum).....6591
copper (see ingots, brass & copper).....6592
forceps 10864
iron barrows 553
iron breakers.....1393
iron casting machines.8778
iron dealers.....10865
iron mfrs. (see blast furnaces) 886
iron scales.....13047
iron & coke dealers..10865
iron & ore barrows.... 553
lead 7341
tails, copper.....10866
zinc (see ingots, zinc).6599
tin 15605
Pigeons, clay (see traps & targets).....15913
wood-decoy 10866a
Pigments 10867
rubber 10868
Pigs, nitre.....10869
spelter 13910a
Pike poles 11368
pole handles 5821
Pile caps 1904
cranes 3373c
driver fittings 10870
drivers, pneumatic....11291
drivers, railroad car...10871
drivers, sheet.....11291
drivers' hammers.....5783
driving contractors....3047
driving derricks.....3707
driving engines.....4389
shoes 10872
sinking pumps.....11890
turnbuckles 16160
Piles, concrete 10874
creosoted (see creosoting works).....3424
Piling clamps 2601a
interlocking steel 10875
lumber (see ties, poles & posts).....15565
pullers 11717
sheet steel (see piling, interlocking steel)..10875
wood (see ties), poles & posts).....15565
& pulling machines combined, stump, gasoline & steam....9227a
Pill boxes 1221
coating machines.....8779
making machines.....8780
Pillar cranes.....3374
Pillars wood 10875a
Pillow block bearing.... 683
blocks 916b
Pillows, air, rubber.....3513
Pilocarpine 10876
Pilot house tops.....15799
houses 6484
Pin cushions & jewel boxes combined 3518b
lewises 7406
machinery (see hook & eye machinery)...8454
machinery (badge pin).7710
machinery (safety pin)8997
machinery (toilet pin).9337
pointing machinery....8781
punches 12013
reamers, taper.....12210a
rod & dowel machines.8944
sticking machines.....8782
tickets 15554
trays 15924c
tumbler locks.....7535
vises 16535
wire 16959
wrenches 17088
& trinket boxes.....1264a
Pincers 10878
tanners' tacking 10879
oils 10325
Pinch bars..... 577
dogs 8874
Pine, creosote oils.....10326
gum (see chemicals)..2437
lumber 7656a
oils 10325
pitch 11007
rubber gum oils.....10326a
tar 14881
Pineapple canners (see canned goods).....1829
eyers 4519
machinery 8783
Pinion blanks..... 882a
cutters 3578
cutting machines.....8784
pullers 11718
rod hobbed.....10879a
rods 12575a
wire 16960
& wheel cutting machines 8786
Pinions, bevel 10879b
brass 10879c
car motor 10880
cut 10881
electric railway (see gears & pinions)....5378
fabroil 5410
jewelers' scale.....10882
made to order.....10883
mine motor.....10884
mining machine.....10885
pressed steel.....10886
rolling mill (see gears, mill) 5390
steel 10886a
tube mill.....5410a
vanadium 5412
& gears.....5408a
& gears (see gears, cut; also gears, machine, molded) 5378
& gears, automobile..5370
& gears, mill.....5410a
& gears, rawhide.....5411
& rollers 12645
Pink granite producers...5562
Pinking irons.....6739
rolls 12689
& scalloping machines.8787
Pins, air brake.....10887
bank (see pins, brass)10892
belaying 10888
bending 10889
blanket 10890
bowling 10891
brass, dress, etc.....10892
bricklayers' line.....10893
butchers' block.....10894
button badge.....10895
cast steel.....15321
clamp 10896
clevis 10896a
clothes 10897
cooperage 10897a
cotter 10897b
coupling 7484
crank 10898
curtain 10900
dowel 10899
drapery 10900
dress 10892
drift 10901
escutcheon 4437
gauge 10902
hackle 15195
hair 10902a
high tension.....10903
hinge 10904
horse blanket.....10890
husking 10905
insulator 6661
insulator, wood.....10926a
king (see bolts, king)...1089
knitting 10906
knuckle 10887
ox bow.....10907
picker 15310
picket or tent.....10908
piston, hardened & ground 10909
push 10910
rawhide 10911
reach 10912
rolling 10913
safety 10914
sash 10915
shouldered 10915a
special 10916
stove door (see stove trimmings) 14395
T— 10918
taper 10919
telegraph 10920
ten 14948
textile (see pins, cast steel) 15321
thole 10920a
track & interlocking channel 10921
trays 15924c
trolley wheel axle....10922
Pins, truss 10923
tub 10924
turn 10925
wood 10925a
wool comb.....10926
& brackets, insulator, wood 10926a
Pipe, acid proof.....10927
air brake 10927a
aluminum (see tubing, aluminum) 16090
ammonia 10927b
asphalted 10928
balls (pipe & flue).... 468
bands 498
benders, lead pipe..... 780
bending machines.....8788
bending presses, hydraulic 11576
bending springs.....14028
bends & coils.....10929
bits 837b
block tin.....10930
boring machines (wood pipe) 9472
brackets 1336a
brass 10930a
brass or copper lined.10931
bushings 1717
butt welded steel.....10931a
calking machines.....8789
caps 1905
casing (steam pipe)...2135
cast iron drain or culvert 10932
cast iron, gas & water.2139
cast iron, lock joint..10934
cast iron soil pipe & fittings 2140
cast steel.....10935
cement 10936
cement sewer.....10961
chairs 2391
chimney (see linings, flue) 7469
clamps 2602
clamps, steel.....2615
clay 2636a
cleaner augers..... 316
cleaners 2669
cleaning augers, flexible 310
coatings, cast iron.....2788
coils.....10929
columns 2903a
columns, cast iron.....2899
columns, steel.....2906
conductor 3012
conveyors 3125
copper 10936a
corrugated steel (see culverts, road).....3483
couplings 3308
couplings (lead pipe)..3306
couplings & fittings, lead 7342
coverings 10981
crushing & shearing machines, combined..8790
culverts 10936b
culverts, clay, vitrified.3483b
cutter grinding machines 8791
cutter wheels.....16794
cutter & die grinding machines 8791
cutter & pipe wrenches, combined.....17090
cutters 3579
cutters, hand.....3580
cutters (cast iron pipe).3542
cutters (lead pipe)....3571
cutters (soil pipe).....3600
cutting shears, rotary.13442
cutting & threading machines 8792
dip, asphalt..... 265
derricks 3708
dredge 10937
dredging, lap welded steel 10944
dredging, slip joint....10938
drills 4046
drills (taps & drills)..14877
drills & taps, combined 14876
elevators 4281
enameled iron.....10939
ensilage 10939a
expanding & flanging machinery 8793
fibre 10939b
fire clay, stove 10939b
fitting crosses.....3439
fittings 4816
fittings, brass.....4798
fittings, cast iron.....2140
fittings, lead (couplings & fittings).....7342
flange, flexible joint..10940
flanged, for high pressure 10941
flanged forging.....4956a
flanges 4848
flanges, blind 4840a
flanges, forged steel...4849
flanges, pressed steel...4850

INDEX

INDEX

No.

Pipe flanges, rolled steel..4851
for piling "National"..10875a
for posts "National"..11406a
forcing jacks.....6782
furnace 5043
galvanized iron (see pipe & tube mills)..10989
gas, cast iron.....2139
gas water & casing..10941a
gas wrought iron....10941b
glass enamelled 10941c
grip, vise.....16506
grips 5671
hanger chains 2360
hangers 5902
headers, welded 10941d
high & low pressure systems 10941e
holders (see holders, pipe nipple).....6261
hooks 6365
hooks (conductor pipe).6325
hydraulic 10942
hydraulic, steel riveted 10943
iron (see iron & steel skelp) 6717
iron (cast iron)2138 to 2140
iron & steel jobbers..10943a
iron (wrought iron) (see pipe & tube mills) 10989
irrigation 10943b
joint compounds.....2944
joint paste.....10758
jointers 6825
joints 6841
joints, flexible (see joints, flexible).....6837
lap-welded steel.....10944
layers' ladies.....7134
lead 10945
lead lined.....10946
lead, tin lined.....10947
lidded 10948
line (see pipe & tube mills) 10989
line supplies (see specific article required).
lined 10948a
locators 7513
lock bar, steel.....10949
lock seam 10950
low pressure systems.10941e
lowerers, lifters & holders 10951
machine riveted.....10952
machinery (briar pipe).7876
machines, lead.....8525
mills 10989
nipple holders.....6261
nipples 10144
nozzles 10177a
plates 10953
plugs 11226
polishing machines....8794
pontoon 10937
protectors, blow-off.... 933a
punched & formed sheet 10954
pushers 12034a
racks 12082
railings, iron & bronze.12111
reamers 14878
receivers 12218
reinforced concrete...10955
rests 12383
riveted, spiral.....10965
riveted steel.....10956
rollers 12628
saddles 12847
screwing machinery...8794a
seaming machines (furnace pipe).....8346
seamless drawn steel (see tubing, cold drawn seamless steel) 16098
second hand.....10959
sewer 10960
sewer, cement 10961
sewer, reinforced concrete 10962
sheet metal 10962a
shoes 13560a
signal 10962b
siphons, coil.....13710b
sleeve nuts 10214
sleeves 13763
socket reaming machines 8909
socket tapping machines 9260
soil & fittings, cast iron 2140
spiral, continuous inter-locking seam....10963
spiral lock seam.....10964
spiral riveted.....10965
stand 14139
steel (see pipe & tube mills) 10989
steel enameled.....10967
steel riveted.....10956
steel riveted, hydraulic 10943

No.

Pipe stocks & dies (see stocks & dies) 14335
stove, fire clay.....10939a
straightening machines.8796
straightening presses..11604
strainers 14437
strainers, sewer 13338a
straps 14460
suction 10968
sulphite mill.....10969
supports 14540a
tap chasers.....2423
taps & drills.....14877
taps & drills, combined 14876
taps & reamers.....14878
tees 14892
terra cotta 10969a
testing machines.....9286
thawing apparatus....10970
thawing transformers.15868
threaders, receding....10971
threading dies.....3779
threading machines....8792
threading oils.....10327
threading tools.....15763
tin lined.....10972
tongs 15682
tools 10972a
trucks 16034
turnbuckles 16161
tuyere 10973
vise stands.....14155
vises 16536
vises, chain.....16517
vises, combination....16537
welded wrought steel.10974
welding 10975
welding rolls.....12690
well 10975a
wood 10976
wood fibre.....10977
wooden stave.....10978
wrenches 17089
wrenches (brass & nickel pipe).....17060
wrenches & pipe cutter combined 17090
wrought iron, genuine.10979
wrought iron, jobbers.10980
wrought iron mfrs. (see pipe & tube mills)..10989
wrought steel (see pipe & tube mills).....10989
& boiler covering mfrs. 10981
& boiler coverings, air cell 10982
& boiler coverings, asbestos 10983
& boiler coverings, cement 10984
& boiler coverings, felt10986
& boiler coverings, magnesia 10987
& boiler coverings, mineral wool.....10988
& fittings, wrought iron dealers' (see steam fitters' supplies 14189
& flue balls..... 468
& tank bands..... 498
& tube mill machinery.8795
& tube mills.....10989
& tube straightening machines 8796
Pipeless furnaces 5104a
Pipes, blow..... 934
flush & supply.....10990
glass blowers'.....10991
hawse 10992
hose 10993
organ 10994
play 10995
smoking 10996
supply, for gas stoves.10997
Piping exhaust & blow...4470
high pressure.....10998
hydro electric (see penstocks) 10813
systems 10999
Pistol holsters.....6290
Pistols, automatic toy..10999a
firearms 10999b
repeating, paper cap..10999c
toy, wood.....10999d
Piston air drills (see pneumatic piston drills) 11292
drills, pneumatic.....11292
heads 6006
machinery, aligning (see piston & piston ring machines, automatic) 8797
pin gauges 5308b
pins, hardened & ground 10909
ring gauges 5308b
rings 12471
rings, steel.....12479
rod packing 10465a
rods 12576
swabs 14549a
valves 16363
& piston ring machines, automatic 8797
& valve rod plunger..10999c

No.

Pistonite oils.....10328
Pistons, engine.....11000
pneumatic hammer...11001
Pit cars.....2049
cranes 3375
jacks 6783
jacks, pneumatic (see lifts, motor, car pit).7424
Pitch 11001a
asphalt 11002
brewers' 11003
burgundy 11004
coal tar.....11005
furnaces (see heaters, asphalt, pitch, etc.)..6016
heaters 6016
paving & roofing.....11006
pine 11007
ship 11008
stearine 11009
Pitcher spout pumps....11908
Pitchers, acid (see stoneware, chemical)....14360
Pitching machines.....8798
tools 15764
Pitless scales.....13041
Pitman boxes.....1265
straps 14461
Pitometers 11010
Pitot tube meters.....9729
tubes 16084b
Pitt-Bostwick elevator gates & guards.....4242
Pitting machines, cherry.8016
machines, peach.....8757
spoons 13964
Pivot hinges.....6114
hooks 6366
polishing machines.....8799
Pivoted window hardware mfrs. 5934
Pivots, floor.....11012
steel, for scientific instruments 11013
window 11014
window sash.....16874
Placer dredging scrapers.. 13115
mining dredges.....3994
mining excavators.....4463
mining machinery.....8800
Placques, wood 11014a
Plain cans.....1866
dowels 3969a
milling cutters.....3581
ridge roll.....12410
scratch brushes 1555a
tool grinders (see grinders, emery tool).5623
vault & sidewalk lights 16467
water columns 16678
wire 16961
& lithographic cans...1867
Plaiting & fluting machines 15322
Plane handles.....5843a
irons 6740
knobs 7071
tables 14656
Planer attachments, radius 12105a
centers 2279
chucks 2521
gauges 5309
grooving attachments ..5681a
head bolt nuts.....10215
head bolts.....1096
heads 6007
jacks 6784
knife grinders.....5635
knives 7017a
parallels 10740
saw balancing scales..13031
stops, automatic.....14380
tools (see tools, lathe & planer) 15744
type milling machines.8608
vises 16538
Planers 11014b
barrel head.....11015
bevel gear 11015a
emery 11016
ice, elevator.....11018
mitre 11019
road 11020
Planes 11021
belt makers'.....11022
core box.....11023
hoof (see parers, hoof).10742
incline 6539
Planimeters 11024
Planing machine knives.7018
machines, angle.....8801
machines, bench.....8802
machines, buzz.....8803
machines, crank.....8804
machines, fluting feed rod 8805
machines, foot power..8809
machines, frog.....8807
machines, hand power.8809
machines, heading.....8810
machines, locomotive connecting rod.....8812
machines, locomotive cylinder 8813

No.

Planing machines, metal working 8814
machines, open side...8815
machines, plate.....8816
machines, pony.....8817
machines, rail.....8818
machines, rotary.....8819
machines, slate.....8820
machines, stave.....8821
machines, stone.....8822
machines, switch.....8807
machines, traveling bed.8823
machines, valve seat..9371
machines, wood 8824
mill exhausters.....4474
mills (see sashes, doors & blinds.....12919
& joining machines....8825
& matching machines.8826
Planished steel sheets..14258
Plank drawer.....11025
pullers 11719
shoes 13561
Planks, extension.....11026
steak & fish, wood....11026a
Plant sprinklers, rubber 14051
sticks 14301
tags, wood.....14706b
tubs 16130
wood tags 14706b
Plantation cars.....2050
pumps 11909
Planters, bean.....11027
beet 11028
broom corn.....11029
corn 11030
corn, hand.....11031
cotton 11032
pea 11027
peanut 11033
potato 11034
Plants, alkali 117a
asphalt paving 16772
aniline 173c
batch mixing..... 626
contractors' 3049b
contractors' asphalt....3049c
cyanide 3623
lime 7455a
wood distillation.....17027
wood impregnating..17028a
Plaster bags..... 380 & 407
boards, slabs, etc.....11035
capitals (see ornaments, plastic) 10411
mfrs., asbestos.....11036
mfrs., calcined.....11037
mfrs., dental.....11038
mfrs., fibrous & staff..11039
mfrs., wall.....11040
mfrs., white trowel finishing 11041
mfrs., wood fibre.....11042
mill machinery.....8827
mixers 9882
of paris.....11037
of paris machinery (see plaster mill machinery) 8827
packers (see packing machines) 8687
products for paper trade 11043
separators 13291
sifters 13629
slabs 11035
sowers 13890
statuary 14180
Plasterers' floats, plain cork 4380
hawks 5974
steel corner beads.....11044
stoves (see salamanders) 12866
tools 15765
Plastering fibre.....11045
hair 11046
materials (see masons & builders) 9599
trowels 15990
Plasters, medical & surgical 11047
Plastic ornaments.....10411
relief decorations.....3674
slate roofers.....12711
Plastics, pyroxylin 12043a
Plate aluminum.....11048
armor 11049
bending rolls.....12657
cars 2051
copper (see plates, copper) 11077
easels 4189
glass machinery.....8828
glass mirrors.....9852
glass, polished.....5464
glass push plates.....12033
glass, rolled, rough, ribbed & figured.....5469
glass shelves.....15823
glass towel bars.....15823
glass trucks.....16035
glass, wholesale & retail 5463
hangers 5903
heating furnaces.....5105
hinges 6115
hooks & rings.....6415

No.
Plate jaws, face.....6813a
joggling machines.....8495
mill cars.....2051
planing machines.....8816
platinum (see platinum, sheet & wire).....11158
prism glass.....5467
rolling mills.....9811
rolls.....12691
scarfing machines....8829
scrapers.....13116
shears.....13411
shears, double.....13420
splitting shears.....13449
steel boiler.....6715
steel bridge.....14207
steel fire box.....14223
steel fish (see braces, rail).....1316
steel, shovel.....14261
steel tank.....6713
steel, vanadium.....14276
straightening machinery.....8830
tack, steel.....14269
tin.....15612
warmers, for hotels, etc.....16617
washers, steel.....16647
work, punching & shearing machines...8891
work, steel.....14235
Plateaux, mirror.....11050
table.....11051
Plated carriage trimmings.....1971
copperware.....3187
screws.....13187 & 13234
sheet metals.....9697
silverware.....13701
tubing.....16110a
Platen cores.....3212
presses.....11605
Platens, typewriter.....11052
Platers' brushes.....1556
compounds.....2945
metals.....9698
sponge.....11053
& polishers' supplies..11054
Plates, aluminum pattern.....11054a
amalgamating.....11055
angle, adjustable.....11056
baffle.....11057
base.....11058
base ball shoe.....11059
base, base ball..... 592
battery.....11060
bed, paper mill engine.12605
belt (see belt fasteners) 725
black, for tinning..... 854
boiler arch.....11061
boiler, iron & steel.....6713
bolster & transom.....11062
bosh.....11063
box printing.....11064
brazing.....11065
buckle.....11066
bumper.....11067
card (see holders, card & label).....6231
cast iron stack.....11069
center.....11070
cesspool.....11071
chandelier shower....11072
check.....11073
chrome steel.....11074
church offertory & collection.....11074a
chute.....11075
collection.....11074a
condenser & supporting.....11076
copper.....11077
core.....11078
crusher.....11079
damper.....11080
deck.....11081
Delta metal.....3690
dessicator.....11081a
diamond draw.....11082
die, adjustable.....11083
draw (see dies, wire drawing).....3807
dry.....11084
embossing leather.....11103
end gate.....11085
engravers' metal.....11086
etching, steel.....11131
evener.....11113
expansion.....11087
felloe.....11088
filter press.....11089
flat & curved.....11090
floor, iron & steel.....11091
floor, wrought steel (see plates, floor iron & steel).....11091
floor & ceiling.....11092
flush switch.....11092a
follower.....11093
for tinning, black..... 854
gusset.....11094
gutter crossing.....11095
hame tug.....11096
heel.....11097
Plates, hinge.....11098
hot, elec., gas, etc....11099
index.....11100
iron & steel.....11100a
joint.....11101
key, porcelain.....6888
kick & push.....11102
label (see holders, card & label).....6231
leather embossing.....11103
letter.....11112
letter drop.....11104
leveling.....11145
license.....11105
lock deck.....11106
lock nut.....11107
manganese steel.....11109
match.....11110
mending.....11111
name.....10096
number.....11112
paper.....3848
perch.....11113
pew.....11114
photographic.....4725a
piano.....11115
pie.....11116
pie, wood.....11117
pipe.....10953
press.....11119
push, plate glass.....12033
rail joint.....11122
rapping.....11123
reach.....11113
running board.....11145a
screen.....11124
screw.....13179
screw, automobile.....13180
screw, metric.....13180a
sheared.....11125
ship.....11125a
sill, carriage.....11126
singe.....15382
splice.....11127
spring.....11128
stair.....11129
steel.....11100a
steel buckled.....11130
steel etching.....11131
steel sheet.....14247
step.....11145a
strain.....11132
suction box.....11133
surface.....11134
supporting.....11076
switch.....11135
switch flush.....11092a
tank, iron & steel.....6713
tie, railroad.....11137
tie, reversible.....11138
tobin bronze.....11139
tunnel.....11139a
turn.....11140
universal.....11141
welding.....11142
wire drawing.....11143
X-ray.....11143a
zinc.....11144
zinc, for boilers.....17137
& screws, leveling....11145
& treads (step & running board).....11145a
Platform cars.....2051a
circles.....2548
guard chains.....2360a
scales.....13042
scales, portable.....13043
trucks.....16036
Platforms, lift truck....11145b
steel car.....11146
stone.....14348
Plating apparatus.....11147
barrels..... 531
brass (see plating work).....11148
chemicals, nickel & electro.....2441a
dynamos, electro.....4181
electro, bronze.....4227
machines.....8831
machines, electro.....8268
works.....11148
Platinoid, non-fusing....11149
Platinum.....11150
bottles.....1170a
cathodes.....2215b
chloride.....11151
coils.....2858a
crucible & dishes.....11152
foil.....11153
gauze.....11154
imitation.....11155
incinerators.....6537
iridium balls.....11156
melting outfits, jewelers' & refiners'.....11157
ores.....10388
pans.....10604c
plate (see platinum, sheet & wire).....11158
point files.....4701a
refiners.....11157a
retorts.....12391
rivets.....12518
rods (see platinum, sheet & wire).....11158
No.
Platinum salts.....12886
sheet & wire.....11158
spoons.....13964a
tongs.....15682a
tubing.....16111
wedding ring.....11158a
wire.....11158
wire cloth.....16920b
Platnide (see platinum imitation).....11155
Play pipes.....10995
Player pianos (see pianos).....10842
Playground equipment..11159
Playing card machinery .8832
card mfrs.....11160
card paper.....10700
card presses.....11605a
marbles.....9584
Pleating machines knife & side.....15322a
Pliable metal envelopes..4428
Pliers, bar, billet & strip 11160a
belt.....11161
burner.....11162
combination (pliers & nippers).....11162a
expansion.....11163
fencing.....11164
gas.....11165
glass cutters'.....11166
lead pipe expanding..11167
lineman's.....11168
piano makers'.....11169
pressed steel (see pliers & nippers).....11172
Plodders (soap).....11172a
Plow anvils..... 202
attachments..... 300
beams, steel.....11173
beams, wood.....11174
blade sharpeners.....13390
bolts.....1097
clamps.....2603
clevises, etc.....2695
coulters.....11175
hammers.....5766
handle machinery.....8833
handles.....5859
jointers.....11176
mfrs.....11177
points.....11349
pulleys.....11748a
rope, steel.....12764
shares.....13383
steel (see steel agricultural implts.).....14195
stocks.....11177a
Plowing attachments, traction engine..... 297
Plows, asparagus.....11178
auto.....11179
ballast (see ballast loaders & unloaders). 441
beet.....11180
breaking.....11181
clay.....11182
contractors'.....11183
corn.....11184
cotton.....11185
disc or rotary.....11186
ditching (see plows, contractors').....11183
gang.....11187
gang, steam (see plows, gang, traction engine).....11188
gang, traction engine..11188
gang, wheel.....11189
garden.....11190
gasoline.....11191
grooving.....11193
hillside.....11204
hop.....11194
ice.....11195
locomotive.....11196
motor.....11179
potato.....11197
reversible.....11204
road (see plows, con tractors).....11183
rotary.....11186
shovel.....11198
snow.....11199
street (see plows contractors').....11183
sub-soil.....11200
sulky, reversible.....11201
sulky, riding or wheel 11202
swivel.....11204
traction.....11205
traction engine gang..11188
unloading (see ballast loader & unloaders). 441
wheel walking.....11206
Plug cocks.....2833
drillers, pneumatic ...11293
fuses, non-renewable...5158a
gauges.....5310
renewable fuses.....5158b
spanners.....13899
switches.....14599
taps.....11237
valves.....16365
& ring gauges.....5310
No.
Plugs, acid.....11206a
attachment.....11207
bath & basin.....11209
boat.....8596a
boiler flue.....11210
brass.....11212
brush.....11212a
carriage body.....11212b
cast iron.....11213
conduit sealing.....11214
cooperage (see plugs, wood).....11241
core expansion.....11214a
deck.....11214b
drift.....11215
edi-swan.....11216
electric attachment (see plugs, attachment).....11207
fire works.....11216a
flush & receptacle....11217
fuse.....11217a
fuse hole.....11217b
fusible.....11218
gas & water main.....11219
indicator.....11220
laundry tray.....11221
nailing.....11223
non-separable.....11234a
paper roll.....11225
pipe.....11226
plumbers' sand.....11226a
radiator.....11227
receptacle.....11217
roll turners.....11228
seamless tube rolling.11229
separable.....11234a
smoke testing.....11231
soil pipe testing.....11232
spark.....11233
stage & receptacle...11234
"standard separable swivel & non-separable 11235
steel barrel.....11235a
switch.....11236
swivel.....11234a
tap.....11237
telephone, radio.....11237a
test.....11238
tie.....11239
tire repair.....11244
transit, for shrapnel..11239a
varnish can.....11239b
wall.....11240
water main.....11219
wooden.....11242
& feathers.....11243
& patches, tire repair.11244
& receptacles, battery charging.....11244a
& seats, acid..... 46
Plum canners (see canned goods).....1829
pudding canners (see canned goods).....1829
Plumb bobs.....11245
glasses.....5487
rules.....12821
Plumbago.....11246
nozzles.....10178
sleeves.....13764
stoppers.....14370
Plumbers' brackets.....1337
brass goods mfrs. (see the specific article required.)
cabinet work (see plumbers' wood work).....11256
candles.....1823
candlesticks.....1827
cements (see cements, pipe joint).....2260
chains.....2361
charts & estimate books.....11249
chisels.....2473
enameled ware mfrs. (see bath tubs, enameled iron)..... 632
force pumps.....11911
gouges.....5531
grease boxes.....1236
hammers.....5785
hard fibre specialties (see fibre, hard)....4680
ladles.....7131
marble work.....11250
paste.....10759
porcelain ware mfrs. (see bath tubs, porcelain)..... 636
pot hooks.....6368
pumps.....11910
rubber elbows.....4206
rubber goods.....11251
sand plugs.....11226a
sanitary earthenware mfrs.....11252
saws.....12992
scrapers.....13100
screws.....13216
side edges.....13619
slate.....13749
slate work.....13749
soil.....11254
soil cups.....3501

INDEX

INDEX

No.

Plumbers' solder.....13869
supplies (jobbers) 11255
testing rings 12472
tools 15766
torches (see torches, various kinds) 15803 to 15817
turpentine 16167a
washers 16648
wiping cloths (see cloths, wiping) 2769
wood work.....11256
wooden dressers.....3999
Plumbing, marine 11256a
parts 11256b
Plumbs 11256b
Plumes, horse hair.....11257
Plunge & shower baths for ships 643
Plunger elevators 4282
packing 10471
piston & valve rod....10999e
pumps 11912
valve rod 10999e
Plungers, lime.....11258
pump 11259
Plush, car..... 1925
cutters 15107
knives 7019
looms 15260
Plushes 11260
Plywood, waterproof....11260a
Pneumatic air hoists....11284
ash handling system.11261
baby drillers 11262
beading hammers....11263
boiler makers' hammers 11263a
boiler riveters.....11264
boiler scalers 11265
bolt nippers.....11266
boring machines 8834
breast drills.....11267
caissons (see caisson foundations) 1792
caissons for bridge piers 11319
casting cleaners (see pneumatic scaling hammers) 11306
chain hoists (see pneumatic hoists).....11284
chipping & calking hammers 11270
chisel blanks 11270a
chisels 2474
chucks 2521a
clocks 2733
compression riveters..11271
conveyors 3126
corner drills.....11272
crane motors 11273
cranes 3376
despatch tubes (see pneumatic tubes)...11318
die cushions packing..10465b
displacement pumps..11914
door opening & closing device 3904
double tube tires.....15646
drift bolt drivers.....11274
drills 11275
dumb waiters.....4157
elevators 4283
engines (see engines, compressed air) 4356
feather drills (see pneumatic plug drillers).11293
flue rollers.....11279
flue welders.....11280
forges 4931
forging hammers or machines 11281
foundry rammers (see pneumatic sand rammers) 11304
governors 5538
granite cutters' tools, (see pneumatic stone cutters' tools).....11312
gravity drop hammers.5785a
hammer drills.....11282
hammer pistons.....11001
hammers 11283
hoisting engines.....4377
hoisting machinery.....8448
hoists 11284
hoists geared.....11289
hose couplings 11285
jam riveters.....11287
lifts 7425
locomotives (see locomotives, compressed air) 7585
motors 11288
Pneumatic motors & geared pneumatic hoists 11289
painting machines 8835
pile drivers.....11291
piston drills.....11292
pit jacks (see lifts, motor, car pit).....7424
plug drillers.....11293
presses 11294
presses, hydraulic....11605b
pressure rubber suits..12797

No.

Pneumatic pressure seated valves 16369a1
pumping systems.....11295
pumps 11913
punches 11296
reaming & tapping drills 11297
reaming & tapping motors 11298
rivet holder-on.....11299
rivet sets.....11300
riveters 11301
rock drills.....11302
rotary drills 11303
rubbing machine.....8990
sand hoists.....6209
sand rammers.....11304
sand sifters.....13630
sanding drums.....4100
scaling hammers.....11306
separators 13309
signals 13649
single tube tires.....15647
spray brushes.....1557
staybolt breakers....11307
staybolt clippers 11308
staybolt cutters.....11309
staybolt nippers (see pneumatic bolt nippers) 11266
stone carving tools...11311
stone cutters' tools...11312
stone surfacing machines 11313
tank gauge gauges....5334
telephone cushions....14916
tires, double tube....15646
tires, single tube.....15647
tool appliances.....11314
tool hose (see hose, air drill) 6447
tool lubricants.....11315
tool lubricators.....11316
tools 11317
trolley hoists (see pneumatic hoists).....11284
tubes 11318
tubes & caissons for bridge piers 11319
water supply systems.11320
water tanks.....14787
winches 11321
winding drums (see drums, winding).....4106
wood boring machines.11323
wood carving tools...11324
yoke riveters.....11325
Poachers, egg.....11326
Pocket book catches.....2207a
book & bag frames...11327
coupler yokes.....17127
gauges, test.....5337
instruments 6636
knife cases 2123
knife handles.....5860
knives 7020
lamps, electric (see flashlights, electric lamp & lantern).....4863
meters 9730
rules 12822
tapes 14838
test gauges.....5337
wrenches 17057
Pockets, coal 11328
cotton waste.....11329
draw bar 11330
drip 11331
industrial, silos, storage 14382a
stake 11333
wall 11333a
Pod bits 838
Poidometer mfrs.....11333b
Point adjusters, switch.. 73
Pointed wires 17020
Pointers, blackboard....11334
bolt (see machines, bolt pointing) 7789
dowel 11335
spoke 11336
wire 11337
Pointing machines, bar..7728
machines, bolt 7789
machines, pin.....8781
machines, screw.....9041
machines, wire.....9435
& cutting machines, dowell 8200
& heading machines, picket 8773
Points, carbon (see tools, diamond) 15719
contact & sparking...11337a
cultivator 11338
dental polishing.....11338a
drill 11339
drive well.....11340
etching 4439a
glaziers' 11341
grain drill.....11342
harrow 11343
ladder 14062
linoleum 11345
pen 10806a
picture frame 11347
plow 11349

No.

Points, seeder.....11350
stone cutters' (see chisels, stone cutters) 2475
switch 11351
trammel 11352
well (drive well).....11340
Poison fly killers.....6900
Poker chipracks.....12082a
chips 11353
sets 13222
Pokers, stove 11354
Pokes, animal 11355
Polariscopes 13908
Polarity indicators 6569
Pole balls, flag..... 457
cape (see straps, pole)14462
changer, telephone....14922
changers 2414
chimes 2449
clamps 2604
collars 2873
counters 3268
crabs 3342
crutches 3465
handling machines 8836
hooks, fire department.6369
houses 6484
line hardware 5939a1
locks 7552
machinery 9076
mandrels, hose.....9532a
measuring instruments.6637
padlocks 10484
protectors 11697
repair sleeves.....13765
rings 12473
road cars 2052
sawing machines 8837
seats 13267
slats 13751
steps 14284
straps 14462
supports, telegraph...14544
tops 15800
& shaft eyes.....4522
Poles, arc lamp (see poles, iron & steel).11367
awning 11358
barbers' 11359
carriage 13374
cedar, western & northern 11375a
cement & concrete....11360
clothes 11360a
concrete & cement....11360
creosoted (see creosoting works) 8424
cross span 11361
curtain 11362
dry, enameled, for silk dyers 15127
engine push 11363
fishing 11364
flag, iron & steel.....11365
flag, wood.....11366
iron & steel.....11367
lamp (see posts, lamp, arc & tungsten)....11405
pike 11368
posts & ties.....15565
range 12587
rug 11369
steel 11367
telegraph 15565
telephone 15565
tent 11358
torch 11370
tree pruner 11371
trolley 11373
trolley car 11372
trolley, reinforced 11373
trolley street 11374
vaulting 11375
wagon 13374
window pull-down....11376
wood (see ties, poles & posts) 15565
Poletop switches.....14600
Police lanterns.....7228
patrol wagons.....16586
signals 13650
Policemen's billies 810
Polish 11376a
automobile 11376b
cutlery 11377
floor 11378
floor, hard wax.....4885
furniture 11379
glass 11380
harness (see dressing, carriage top, harness, etc.) 4000
metal 9676
mops 9932
prepared wax 11380a
rubber 11380b
shoe 13544
soap 11381
stove 14394
Polished copper.....3179
granite columns.....5558
plate glass.....5464
steel hotel ware.....6478
steel shafting.....13365
steel sheets 14258
wire glass.....5465

No.

Polished wood boxes.....1265b
yellow metal.....17121
Polishers, electric.....11382
nail 11383
Polishers' brushes.....1556
compounds 2945
supplies 11654
Polishing balls..... 475
bands 499
belts 759
brushes, floor.....1541
cloths 2767
felts 4627
heads 6008
irons (see sad irons)..12343
lathes 7260
lathes, stone.....7301
lathes, wood.....7311
leather 7307
machines 8838
machines, cable 9452
machines, can.....7937
machines, coffee.....8068
machines, cutlery.....8166
machines, floor.....8315
machines, glass.....8371
machines, handle.....8423
machines, malt.....8567
machines, marble (see stone polishing machinery) 9211
machines, mosaic & tile floor.....8636
machines, pipe.....8794
machines, pivot.....8799
machines, shaft.....9074
machines, stone.....9211
machines, wire.....9453
machines, wood.....9474
meal 9644
mills, water.....8832
oils (cutting & polishing) 10297
pegs, dental.....10734d
rings, marble.....12466
rubbing & sanding machines 8991
wheel hoods.....6297
wheels 16764
wheels, granite & marble 16790
& buffing machines, knife 8503
& burnishing balls, steel 475
& grinding machines..8402
& grinding machines, tube 9255
& sanding machinery..9007
& scouring machines, grain 8384
& scouring machines, wheat 9403a
Poll picks.....10856
Polo balls..... 469
sticks 14300
Polychrome terra cotta.14964
Pompeiian brick.....1448
Ponds, cooling 3167b
Pontianak gum 5719e
Pontoon cranes 3359a
pipe 10937
Pontoons 11384
Pony planing machines..8817
Pool balls 446
cues 8471
table cushions.....3514
tables 14642
Pop-corn machines.....8839
safety valves 16266
valve mufflers 10029
valve springs 14029
Poppers, corn 11385
Poppet valve engines....4390
valves for gas engines 16367
Porcelain ball mills.....9760
balls 470
bath tubs 636
breakers 659c
boats, combustion 990a
brick 1449
bushings 11387
chemical 2436
cleats 3688
crucibles 3446a
dies 3730
dishes 3448a
enamel paints.....4312
enameling 11386
enamels 4312
guides 16193
handles 5361
hardware trimmings (see porcelain specialties) 11387
insulators 6672
key plates.....6838
laundry tubs (see bath tubs, porcelain)..... 636
machinery 8840
machinery (electrical porcelain) 8266
molds for rubber gloves 9917a
presses 11647
receptacles 12225a
reflectors 12557

No.
Porcelain shades 13357
shell electric lamp sockets, key & keyless, medium 13329e
keyless, miniature..13330e
keyless, mogul 13331c
medium 13330
pull, medium 13329f
push, medium 13329g
weatherproof, medium 13330
weatherproof, mogul 13331c
sign letters 7889
sinks (see bath tubs, porcelain) 636
specialties, electrical, mechanical, etc.....11387
switches (see porcelain specialties, electrical, mechanical, etc.)....11387
tube cutters (see cutters, arc lamps, carbon) 3531
tubes 16085
tubing 16112
ware, plumbers' (see bath tubs, porcelain). 636
wash basins 602
Porch, column bases..... 598
column bases 598
columns, pressed steel.2904
columns, wood.....2905
columns & interior wood 2905
furniture 5147
post irons.....6741
screens 13149
shades 13354
supports 14541
swing chains.....2362
swings 14562
tile 15585
trimmings 6480
Pork & bean canners (see canned goods).....1829
Porous alum 127e
clay boxes 1266
cups 3502
terra cotta fireproofing 4784
Port hinges 6115a
hole glasses 5489
lights, ship.....11388
Portable air compressors..2955
belt conveyors 3128a
benches 774
boiler mountings.....1011
boilers on wheels.....1031
boring machines.....7827
buildings 1645a
buildings, steel.....11390
cable 1775
clocks, watchman's....2740
conveyors 3128
cranes 3377
crushers 3456a
derricks 3709
drilling machines.....8231
drills, electric.....4027
electric grinders (see grinders, portable)..5636
electric lamps, incandescent 7182
electric light plants..4213
electrical reamers.....12193
elevators 4284
elevators, revolving (see tiering machines)...9303
engines on wheels.....4391
engines, steam.....4392
excavating machinery..8281
fans, electric, alternating current.....4531
filling stations, steel 11390a
garages 5184
garages, steel.....11390b
gas recording pressure gauges 5285
gasoline lamps.....7181
grain elevator & wagon dumps 5554
grates 5582
gravel loaders & screening outfits ...11389
grinders 5636
hoisting engines.....4378
hoists 6206
houses (see houses, sectional) .....6484b&c
houses, metal (see houses, sectional, metal) 6484b
houses, wood (see houses, sectional, wood) 6484c
ice machine.....8483
incandescent electric lamps 7182
incandescent lamps....7181
iron sidewalk magazines 9506
lamp handles 5861a
lamps 7205
lamp guards (see lamp guards) 7140
light contractors.....2050
lights, acetylene.....7444

No.
Portable lights, railroad.12116
magazines 9505a
mining & crushing machinery 8621
mixers 9882a
oil forges 4930
oven builders.....10422
pasteurizers 10763
platform scales.....13043
presses, hydraulic.....11577
punches 12014
railways 12131a
ranges (see stove mfrs.) 14392
revolving elevators (see tiering machines)....9303
rip swing cross cut sawing rigs 12951
rip & swing cross-cut saw machines.....8842
riveting machines.....8934
sand excavating & screening plants....12894
saw mills.....12940
sawing rigs.....12950
screening outfits 11389
sheds, steel.....11390c
shop cranes 3378
shower baths..... 644
slotting machines.....9140
stone crushing plants..14340
storage houses, steel ..11390d
storage magazine (see blasting supplies).... 890
suspension scales.....13044
tapping & reaming machines 9261
telephones 14936
tool stands.....15698
track 15846
track switches.....14600a
tracks (see railways, industrial, portable).12131
trucks 16036a
unloaders (see conveyors, portable).....3128
vacuum cleaners.....16248
ventilating sets 16477
vise stands.....16507
wagon dumps.....5554
water filters.....4750
winches 16852
& permanent tracks & switches 15847b
Portables, electric.....11391
electric & gaslight.....4221
Portfolios 11391b
Porte-cocheres 11391a
Portland cement.....2237
cements, non-staining..2258
cements, stainless (see cements, non-staining Portland) 2258
cements, white.....2269
Ports, open-hearth furnace 11392
Positive meters.....9730a
pressure blowers..... 945
Post bags, parcels..... 406
bars 573
bases 11393
bearings 686
bolts, mooring 1092
boring machines.....8843
caps 11393
card albums..... 110
cards, advertising.....11394
concrete 11399
drills 4048
hanger bearings..... 686
hangers 5908a
-hole augers 3813
hole digger handles....5862
hole diggers.....3813
& hop bars..... 573
office box locks.....7553
office equipments.....11395
office furniture 5149
office lock boxes.....1267
office signs.....13676
Postage saving envelopes.4428a
stamp affixing machines 8844
stamp perforators....10818
Postal bag racks.....12084
scales 13045
Posts, arc lamp... (see posts, lamp, arc & tungsten 11405
binding 11397
binding, radio 815b
car bumping.....11398
concrete 11399
desk 11400
drilling—old man.....11400a
fence 11400b
hitching 11401
indicator 11402
iron railing (see posts, iron & steel).....11403
iron & steel.....11403
lamp 11404
lamp, arc.....11405
lamp, tungsten.....11405
mooring 11406
pawl, for tugs.....11407
poles & ties.....15565

No.
Posts, railing, brass & bronze 11408
stanchion 11409
standard (see post lamp) 11404
steel 11403
sunning 11410
tennis net 11411
tool 15695
wood (see ties, poles & posts) 15565
Pot chains.....2363
cleaners 2670
cover repair knobs.....7072
cover racks.....12085
covers 3333
heads & sleeves.....11420
hooks, paint 6363a
hooks, plumbers'.....6368
scrapers 13117
sinks 13709
Potash 11412
bicarbonate 11414
bichromate 11415
carbonate of.....1950
caustic 11413
chlorate 11414
evaporators 4453a
permanganate 11417b
prussiate of 11704a
Potassium aluminum sulfate 11413a
bicarbonate 11414b
bichromate 11415
binoxalate 11415a
bitartrate (see cream tartar) 3415
bromide 11416
carbonate (see carbonate of potash).....1950
carbonate, calcined..11416a
chlorate 11416b
chloride 11416c
chromate 11416c1
cyanide 11416d
ferri-cyanide 11416e
ferro-cyanide 11416f
iodide 11416g
metabisulphite 11417
nitrate saltpetre.....10153
oxalate 11417a
permanganate 11417b
sulphate 11417c
sulphuret 11417d
Potato bags..... 403
bakers 432
baskets (see packages fruit & vegetable)...10442
bug catchers.....2206
chip cutter.....3583
coverers & hillers.....11418
cutters 3582
diggers 3814
flour 11418a
flour machinery (see mill machinery).....8320
harvesters (see diggers, potato) 3814
hillers 6081
hooks 6370
mashers 9595
mashers, wooden.....9596
peeling machines (see parers, fruit & vegetable) 10742
planters 11034
plows 11197
presses 11606
scoops 13080
seed cutters.....3584
shredders 13610
sorters 13887
Potentiometers 11419
Potentiostats 11419a
Potheads & sleeves.....11420
Pots, acid.....11421
annealing 11422
asphalt 11423
bean 11424
bleach 11424a
burnishing (see stoneware, chemical)....14360
case hardening.....11425
caustic (see pots, chemical 11426
chemical 11426
cinder 11427
coffee 11443a
decanting (see stoneware, chemical)....14360
dross (see kettles, dross) 6370
English 11428
fire 11429
flower 11430
galvanizing (see kettles, galvanizing)....6373
glass melting (see glass house clay supplies) 5455
glue 11431
heat treating (see heat treating apparatus)..6013c
lead 11432
marking 11433
mastic 11433
melting 11434
mixing 11435

No.
Pots, nitre (see pots, chemical) 11426
paint 11436
pouring, asphalt, etc.11437
salinometer 11438
saturating 11439
slag 11440
smudge 11441
solder 11442
sprinkling (see pots, watering) 11447
stencil marking (see pots, machinery)...11433
sulphonation 11442a
tallow 11443
tea 11443a
tempering 11444
tinning 11445
watering 11447
Potteries 11448
Potters' supplies.....11449
Pottery colors (see colors, ceramic) 2889c
dies 3781
kiln brick.....1450
machinery 8845
molds 9918
printing presses.....11607
Pouches, mail.....11450
tobacco, rubber.....15655
Poultry coops.....3170
crates 3397a
feeders 4607a
food mixers.....9883
foods 4918
fountains 4997
markers 9591
netting staples.....14171
netting, wire.....16963
runways 12833a
scissors 13068
shears (see scissors, poultry) 13068
supplies 11451
Pounders, steak 11452
steak, spice, etc.....11453
Pouring pots, asphalt...11437
Powder, asbestos..... 257
blasting 889
bleaching (see bleach). 892
blowers, rubber..... 946
blue 953
boxes 1268
boxes, glove.....1235a
buckets 1604
keg steel 14237
mfrs. 11454
mill machinery 8846
mills, soap 9823b
putty 12039
quarry 12044c
stumping 11455
thawers 11456
tracing cloth.....15844
washing (see powders, soap) 11463
Powdered aluminum..... 136d
coal burners.....1689
coal furnaces.....5106
coal installation 11457
coal stokers.....14335d
feldspar 4613a
inks 6617
licorice 7408
limestone 7459
rouge 12776
slate 13745a
soapstone 13819
talc 14714
Powders, aluminum (see bronze powders).....1494
bleaching 11459
bronze 1494
carbonating 11460
flattening 11461
hardening 11462
insect (see insecticides).6622
mica (see powders, tire) 11464
scouring 11462a
soap .....11463 & 13812
sweeping (see compounds, sweeping)...2950
tire 11464
Power boiler flue or tube cleaner 2650
drag scrapers 13103a
driven tree felling saws 13001
drives 4087b
equipment 11464a
forcing presses.....11609
generators, electric.....5419
grain shovels.....13592
hammers 5786
house contractors.....3866
house valves.....16368
paint mixers (see paint grinding & mixing machinery)...8691
plant boat 334d
plant chimneys (see stacks, steel).....14091
plant engineers 4345
plant hoppers.....6429
plant ventilating apparatus 16475
presses 11608
prospecting drills.....4050

INDEX

IMPORTANT The Numbers in this Index refer to the Classification direct and not the Page Number.

INDEX

No.

Power pumps 11915
punches 8887
regulators for looms..12341
reverse, gears, locomotive 5386a
shears 13438
shovels, electric.....13586
spray pumps 11915a
squeezing machines....9185
switchboards 14565
testing machines 9287
transformers (see transformers) 15864
transformers, radio...15868b
transmission chains....2364
transmitting machinery 8846a
transmitting machinery, electric.....8847
transmitting machinery, rope.....8848
winches, hand 16852
working heads.....6009
& lighting machinery, electric 8263
Powers, dog, sheep, etc.11465
horse, contractors'.....6440
horse, sweep.....6441
horse, tread.....6442
Precipitated chalk.....2409
oxide of iron.....6700b
Precipitation, electric equipment 11405a
Precision gauges (see blocks, size) 921a
instruments 6634
lathes 7289
weights 16740a
Preheaters 11466
Preheating furnaces.....5106a
Prentice ½" shank twist drills 4072c
Prepared mortar.....9938
wax polish 11380a
Preparing gills.....15190
Prepayment gas meters (see meters, gas)....9721
recording watt-meters.16695
Preservative, wood paints 10563b
Preservatives, hide.....11466a
road 12530
skin 11466a
wood 17031
Preserve canners (see canned goods).....1829
Preservers, automobile tire 15638
gauge glass.....5240
life 7413
Preservers' corking machines 8121
Preserving machinery, timber 9308
paints 10563c
paints, wood 10573b
Press attachment for preventing accidents.11467
-board 11468
clippings 11469
cloth mats 9611a
cloths 2768
dies 3782
guards, punch (see guards & safety devices, machinery)....5708
papers & boards.....15323
plates 11119
screw keys.....6893
screws 13218
wheel attachments, gang 287
work machines, punch.8871b
Pressed brick, dry.....1421
glass shades 13349
glassware 5497
light glass.....5466
metal die.....3743
metal shapes.....13382
oils, cold 10292b
steel 14238
steel air discharge valves 16264
steel automobile frames 5002
steel beam heads..... 660
steel beams with steel barrels 662
steel boiler saddles....1013
steel, cores 3213b
steel frames, automobile 5002
steel manheads.....9543
steel pinions.....10886
steel pipe flanges.....4850
steel pilers.....11170
steel porch columns...2904
steel pulleys.....11749
steel reels.....12269
steel shaft hangers....5909
steel shapes.....14244a
steel specialties.....11470
steel tanks 14788
steel turntables.....16177
steel wheels.....16795
steel yokes.....9543
Pressers, cloth.....15325
cloth, rotary steam...15326
Pressers, cork.....11471
& flyers.....15324
Presses, arbor.....11472
arch 11472a
armature (see presses, power) 11608
armature & field coil segments 11473
auto tire forcing.....11474a
auto truck forcing....11474b
automatic disc notching 11475
automatic gang.....11476
automobile body making 11478
automobile, tire, hydraulic 11479
bakelite 11479a
bakelite molding 431a
baling, barrel heading.11480
baling, broom corn....11481
baling, cloth 15324a
baling, cotton & wool.11481a
baling, metal scrap...11482
baling, paper.....11482a
baling, waste.....11483
baling & hay 11484
banding 11486
beet pulp.....11487
belting 11489
bench 11490
bending 11491
bicycle chain.....11608
binders' board.....11493
blanking (see presses power) 11608
book binders'.....11495
box 11496
brick (see brick press machines) 7881
briquetting (see briquetting machinery).7885
broaching 11497
bumping 11498
bushing 11498a
cabbaging 11499
cage 11500
cam drawing.....11501
car seal.....11502
car wheel.....11503
carbon slug molding.11503a
card cutting (see card cutting machines)...7975
card printing.....11504
casket metallic.....11504a
chamfering 11505
cheese 11506
chemists' laboratory..11507
cider 9774
cigar packers'.....11508
clock makers'.....11662
cloth 15325
cloth cutting (see cloth cutting machines)..15062
cloth finishing.....11509
cloth, rotary steam...15326
coil 11510
coining (see coining machines) 8077
cold punched nut.....11511
concrete (see concrete building block machinery) 8096
continuous 11513
continuous roller.....11514
copper plate.....11515
copying 11516
cork 11517
cotton 11518
cottonseed hull.....11519
cottonseed oil.....11520
crank pin.....11521
crank pin hydraulic...11568
cupping 11521a
cutting (see presses, power) 11608
cutting, glove makers'.11522
dental 11524
dial 11524a
dial feed.....11525
die 11526
die cutting.....11527
die sinking.....11527a
disc notching.....11528
disc notching, automatic 11475
doll forming 11528a
drawing 11529
drill (see drilling machines) 8215
drop 11530
embossing 11531
embossing, type.....11657
embossing & printing.11612
emery wheel.....11532
engravers' transfer...11533
excelsior baling (see presses, baling, hay).11484
extruding 11533a
fertilizer 11534
fibre board.....11535
field coil segment.....11473
filter 11536
filter, laboratory.....11537
fish oil.....11538
fish plate punching...11613
flanging 11539
Presses, flanging, hydraulic 11569
folding & seaming....11540
foot 11541
for lining service pipe with cement.....11542
forcing 11543
forcing, hydraulic.....11570
forcing, power.....11609
forging 11530
forging hydraulic.....11571
forging, steam-hydraulic 11544
forming 11545
friction, dial feed.....11546
fruit 11547
gang, automatic.....11476
gang tool.....11548
garbage 11549
gilding 11550
glass 11551
glove makers' cutting.11522
glue 11552
gluing, wood pulley...11665
grease 11553
gun powder 11553a
ham 11554
hand, for rubber mfrs 11556
hand 11555
hand screw.....11557
harness & saddlers'...11558
hay 11484
hogshead 11559
hop 11560
horizontal 11561
horn 11562
horning & wiring.....11563
hosiery (see clothes pressing machines)..8053
hot & cold.....11564a
hot plate.....11564
hydraulic 11565
hydraulic banding & stripping, combined.11567
hydraulic crank pin..11568
hydraulic flanging....11569
hydraulic forcing.....11570
hydraulic forging.....11571
hydraulic, four column 11572
hydraulic leather belting 11574
hydraulic macaroni ...11575
hydraulic pipe bending 11576
hydraulic portable....11577
hydraulic pulley.....11578
hydraulic pulling.....11579
hydraulic rubber vulcanizing (see presses, vulcanizing) 11659
hydraulic spring bending 11580
hydraulic wheel (see presses, car wheel).11503
hydrostatic wheel.....11581
inclinable 11582
indenting 11582a
insulation material...11582b
jute 11583
knock screw.....11584
knuckle joint.....11585
knurling 11586
laboratory 11587
laboratory filter.....11537
lard & tallow.....11588
lead molding 11588b
lead seal 11588c
leather 11589
leather belting, hydraulic 11574
lever 11590
linseed oil.....11592
lithographers' 11593
macaroni, hydraulic...11575
machine 11593a
mandrel (see presses, arbor) 11472
meat juice.....11594
metal drawing 11594a
metal scrap baling....11482
mica 11595
moisture 11596
molding (see molding machines, foundry) 8632
molding, carbon slug.11503a
multiple punching.....11597
nosing 11597a
oleo 11598
olive oil.....11599
paper baling 11482a
paper box cutting & creasing 11600
peanut oil.....11601
perforating 11602
pickeye forging.....11603
pipe bending, hydraulic 11576
pipe straightening....11604
platen 11605
playing card.....11605a
pneumatic 11294
pneumatic hydraulic..11605b
porcelain 11647
portable hydraulic....11577
potato 11606
pottery printing.....11607
Presses, power.....11608
power forcing.....11609
printers' proof.....11611
printing 8851
printing card.....11504
printing, four-plate...11645
printing, pottery.....11607
printing, ticket.....11646
printing, tin.....11649
printing, tissue paper.11667
printing, wrapping paper 11667
printing & embossing.11612
projectile or shell banding, hydraulic..11613
proof 11613a
pulley, hydraulic.....11578
punching (see presses, power) 11608
punching, hand power..11614
punching, multiple....11597
rail straightening.....11615
reducing 11616
riveting 11617
roll feed.....11618
rotary 11619
rubber 11620
rubber mfrs., hand....11556
rubber vulcanizing (see presses, vulcanizing)11659
saddlers 11558
salt compressing.....11621
saw tooth notching, automatic 11477
scrap metal.....11622
screw 11623
seal 11624
sealing car.....13250
sewer pipe (see sewer pipe machinery).....9054
shaft straightening...11625
sheepskin 11626
sheet metal working..11627
shook 11628
signature 11629
silver refiners'.....11630
skein 11631
soap makers'.....11632
solder 11633
spring bending, hydraulic 11580
sprue (see cutters, sprue, foot & power).3605
stamping 11635
starch 11636
stationers' embossing.11637
steam (see presses, cloth, rotary steam).15326
steam-hydraulic 11638
stearic acid.....11640
stearine 11641
steel forming 11642
straight sided.....11642a
straightening 11643
straightening pipe ...11604
straightening, rail....11615
straightening, shaft...11625
sub 11643a
sugar beet (see beet sugar machinery)....7743
sugar filtering (see filters, mechanical)....4741
tallow 11588
tan bark.....11644
tankage 11645
tanks 14767a
testing, wax.....11663
ticket printing.....11646
tile 11647
tin printing.....11649
tincture 11648
tip printing 11649a
tire applying 11649b
tire forcing 11649c
tire welding (see tire welding machines)...9322
tissue paper printing.11667
tobacco 11650
toggle 11651
toggle drawing... ...11652
trap 11653
treadle 11654
trimming 11655
trunk 11655a
tufting 11656
type embossing.....11657
veneer 11658
vulcanizing 11659
warp 11660
waste baling 11483
waste oil.....11661
watch makers'.....11662
wax testing.....11663
wheel, hydraulic (see presses, car wheel..11503
wheel, hydrostatic....11581
wheelbox 11664
wiring 11563
wood printing (see box board printing machines) 7853
wood pulley gluing...11665
wood pulp.....11666
wrapping paper printing 11667
yarn 11668

No.

Pressing machines, asphalt, block.....7697
machines, tailors' (see clothes pressing machines) 8053-4
Pressure blowers, positive 945
caisson gauges 5257a
canners (see canning apparatus) 1829a
controllers (see regulators, pressure).....12342
controllers, gas (see regulators, gas pressure) 12332
cookers (see cookers, steam) 3145
evaporators 4453b
filters 4739
gauges, Bourdon (see gauges, steam).....5330
gauges, gas, recording 5284
gauges, recording 5315
gauges, unison telemetric 5341
gauges, water.....5345
governors 5539
pumps (see pumps, steam) 11943
recorders 12234
recording gauges.....5315
reducing valves.....16369
regulators 12342
regulators for cane mills 12343
regulators, gas.....12332
regulators, water.....12351
seated valves, pneumatic 16369a1
strainers 14438
tank pumps.....11916
tanks 14789
testers, tire (see gauges, tire pressure) 5339
valves 16369b
& temperature control valves 16369a
& vacuum relief valves, 16369b
Preventers, accident for machinery 4
accident, for presses, etc. 5
smoke 11669
Preventative, sap stain.12912
Preventives, rust.....12834
Price card stands.....14156
tickets 15554a
Prick punches.....11990
Priers, automobile tire..11670
Primary terminals.....14956
Primers, automobile motor 11670a
cartridge 11671
gasoline engine 11671a
pump 11781a
wood & metal.....11672
Priming cocks (see cups, priming) 3503
cups 3503
Print blocks for oilcloth. 917
blocks for wall paper.12646
cloth, blue 2745a
painted signs, metal.13674a
works drying machines 15139
works engraving machines 15152
Printers, railroad (see railroad stationary, etc.) 12117
toy 11674
Printers' blankets..... 874
brass rules.....12823
chases 2425
composing sticks.....14303
engraving boards..... 984
form trucks.....16037
furniture 11675
line gauges 5310a
make-up rules 12823a
proof presses 11611
roller making machinery 8849
rollers 12629
rules, brass.....12823
Printing blue..... 963
dies, box.....3756
drums, tapestry.....15126
felts, wall paper.....4632a
heliographic 14532
ink colors 2891h
inks 6613
machinery 8851
machines, bag.....7714
machines, blue..... 962
machines, box board...7853
machines, carpet.....15053
machines, paper board.3701
machines, paper box...3713
machines, yarn.....15489
pens, show card.....10811
press bed plates & grips 699
press controllers.....3066
press motors.....9986
presses, bill of lading & loose leaf 11674
presser, card.....11504

No.

Printing presses, milk bottle caps.....11678
presses, pottery.....11607
presses, ticket.....11646
presses, tin.....11649
presses, tissue paper..11667
presses, waxed paper printing 11678a
presses, wood (see box board printing machines) 7853
presses, wrapping paper 11667
presses & machinery...8851
requisites, blue 962a
rollers, copper.....15349
stamp racks.....12085a
sun 14532
varnishes 16455
wheels 16771b
& cutting machines, butter 7908
& embossing presses..11612
& punching machines..8852
& rewinding machines, rotary 8958
Prints, black..... 963
blue 963
core, wood.....3206
Prism plate glass.....5467
system skylights (see glass, prismatic).....5467
Prismatic glass.....5467
globes & shades.....5504
lights (see glass, prismatic) 5467
metal signs & letters.13685
vault & sidewalk lights 16467
Prison cell locks & locking device.....7568
cells (see jail & cell work, steel).....6800
Pritchels, blacksmiths'..11680
farriers' 11680
Private waterworks pumps 11917
Process kettles.....6877
Producer gas engines....4393
gas furnaces 5107
Producers, copper.....3179a
gas 5198
gas, water seal.....5199
marble 9575
Production engineers....4345a
lathes 7289a
Profile gauges 5310b
papers 11630a
Profiling cutters 3584a
machines 8853
Program electric clocks.2735
Projectile banding hydraulic presses.....11613
bands .....11681 & 499a
boring & turning lathes.7273
chucks 2522
machinery 8853a
Projectiles, steel.....11682
Projection apparatus....11683
lenses 7385f
screens 13150
Projector carbons (see carbons, arc light)..1955
Projectors, (Electric Lights) 11683a
electric sign 4861
floodlight 11683b
motion picture.....11683c
or searchlights.....11684
Promenade roofing tile..12744
Prong dies 3798
Pronged rivets.....12519
Prongs, valve.....11685
Proof, coil chains.....2364a
presses 11613a
Proofing boxes.....1268a
compound 2922a
Prop block washers....16649
Propane gas 5199a
Propeller fans.....4536
pumps 11918
wheels 16794
Propellers, aeroplane...11686
boat 11686a
ship 11686a
Propelling chalk pencils.10791
Prophoric, cerium alloy.. 118b
Proportional gas meters.9731
Props, carriage top.....11687
sash 11688
Propulsion, ship turbines16153a
Prospecting drills, hand or power.....4050
hammers 5787
machinery 8854
mills 9812
picks 10856
Protected hose (see hose wire wound) 6474
metal, asbestos..... 258
Protective composition, gear 5364
panels 10579
Protectors, A-C network (see protectors, electric) 11693
baseball, body..... 593

No.

Protectors, body, baseball. 593
book corner.....11690
boot 11691
catchers' body (see baseball body protectors) 593
check 2428
crusher 11692
electric 11693
eye 5525
gauge glass.....5241
lubricator 11695
milk bottle.....11696
pipe, blow-off 933a
pole 11697
rail bond.....11698
roll & fabric.....11699
smoke 11700
switch 11701
telephone 14923
thermometer bulb.....11702
thread 11702a
tire 11703
Protractor squares.....14069
Protractors 11704
Provers, meter.....9704
Proving pumps, gas fitters' 11861
pumps, hydraulic.....11878
Prune canners (see canned goods) 1829
Pruners, tree (see shears, pruning) 13439
Pruning knives.....7021
saw & hook.....12946
saws 12993
shears 13439
Prussian blue..... 962b
Prussiate of potash.....11704a
of soda.....11704b
Psychrometers 11705
Public building furniture 5143
urinals 16244
Publications, trade.....11706
Publishers' packing trucks 16038
Publishers trade 11706
Puddle ball squeezers...14078a
Puddled semi-steel castings 2185
Puddling furnace brick...1451
rollers 12630
Puff boxes.....1268b
Pug mill knives.....7022
mill & auger, brick machine combined...7700
mills 9813
Pull chain bulbs.....1647b
electric lamp sockets, metal shell, medium13829c
metal shell, miniature 13830d
handles, water closet 5862a
switches 14600b
& push switches.....14600c
Pullers, automobile wheel 11707
belt 11708
car 11710
cork 11711
cotter pin (see extractors, cotter pin) 4497
fence staple bar.....11712
gear (see pullers, wheel) 11723
nail 11715
onion 11716
piling 11717
pinion 11718
plank 11719
spike 11720
staple 11721
stump 11722
tack 2633
wheel 11723
wheel automobile.....11707
wire 11724
wire, or come-alongs...2912
Pulley balancing machinery 8855
block chains differential 2320
blocks, lineman's..... 916
boring & turning machines 8856
bushings 1718
covering 11725
drilling & tapping machines 8857
filling, rubber.....13457
forcing machines.....8146
hooks 6371
molding machines (see molding machines, foundry) 8632
mortising machines....8858
packing, wire rope....10477
presses, hydraulic.....11878
rollers 12630a
sheaves (see pulleys, grooved) 11741
taps 14867
turning lathes.....7290
wheels 16796a
Pulleys, anti-friction dumbwaiter 11726

No.

Pulleys, arc lamp.....11727
ball bearing 11727a
bell cord.....11728
belt conveying 11728a
cast iron.....11729
ceiling 11730
clothes line, cast iron.11731
clothes line, steel.....11732
clothes line, wooden..11733
cone 11734
cork insert.....11735
dumb waiter, anti-friction 11726
electric lamp (see pulleys arc lamp).....11727
fiber 11736
flanged 11737
friction clutch.....11738
galvanized 11739
governor 11740
grooved 11741
guide 11742
hay fork 11743
iron split.....11744
leather rim.....11745
loose 11746
machine moulded.....11747
magnetic 11747a
paper 11748
plow 11748a
pressed steel.....11749
ring oiling 11749a
sash 11750
screw 11751
self-oiling 11752
show case 11753
sleet proof.....11727
speed changing (see variable speed transmission) 16435
steel split.....11754
well (see wheels, well)16821
wire tightening.....11755
wood 11755a
wood rim.....11756
wood split.....11757
wrought steel.....11758
Pulling jacks.....6786
machines, oil well.....8672
ratchets 12162
& piling machines, combined, stump, gasoline & steam.....9227a
Pulls, box.....11759
closet 11760
door 11761
drawer 11762
screen door.....11764
tank 11760
whistle 16828b
Pulp, asbestine 246c
balances 435a
colors 2892
drying machines.....8859
filters 4743a
grinder pumps.....11919
knives, wood.....7059
lining machines.....8860
load, regulators 12343a
-making machinery, canners' 8861
mica 9745
mill architects..... 230
mill machinery.....8744
mills 10738
soda wood.....11765
stone sharpening burrs.1702
stones 14355
sulphite 14522
sulphite wood.....11765a
tanks 14789a
thickening tanks.....14799
washing machines.....8862
wood 17032
wood barking machines (see wood barking machines)...9453
wood chipping machines 8863
wood crushing machines 8864
wood rechipping machines 8865
wood, splitting machines 8866
Pulpit valves, hydraulic 16336
& altar rails.....11766
Pulsometers acid.....11767a
Pulpits, composition ...11767
marble 11767
Pulverized coal burning equipment 11767b
coal fuel regulators...12329
Pulverizer hammers.....5788
& roller combined....12609
Pulverizers, air separation 11767c
cement 11768
clay 11769
coal 11770
disc 11771
emery 11772
laboratory 11773
lime & limestone.....11774
soil 11775
stone 11776
sugar 11777
wood 11778
& harrows.....5957

INDEX

INDEX

No.

Pulverizing machinery...8867
mills ...9813a
& grinding works...5662
Pumice brick...11779
domestic ...11780
stone importers...11781
Pumicing machines, worsted ...15329
Pump buckets...1605
chains, galvanized...2330
connections, tire ...3030a
controllers, electric...3058
cups (see valve cups).16254
cylinders ...3645
diaphragms ...3735
fittings ...4817
flanges ...4852
governors ...5540
governors, electric...5534
leathers ...7369
lifting clevises...2696
linings ...7471
log augers... 315
motors ...9987
oilers ...16265a
packing ...10466
plungers ...11259
primers ...11781a
regulating valves...16371
regulators, electric (see governors, electric pump) ...5534
regulators (see governors, electric pump)..5534
repairs ...11781b
rod couplings (see sockets, pump rod).13841
rod sockets ...13841
rods ...12577
seats, rubber ...11781c
spout attachments 293
stands ...14156a
starters, automatic (see self-starters) ...13283
starting exhausters....4475
stock boring machines (see wood pipe boring machines) ...9473
tools ...15767
tubing, automobile....16091b
valves ...16370
valves & seats rubber.11781c
wagons, motor driven ...16587
& engine, combined...11782
& boiler, combined....11974
Pumping engines, deep well ...4395
engines, gas & gasoline ...4396
engines, high duty...4397
engines, hot air...4398
engines, hydraulic...4399
engines, triple expansion ...4400
jacks ...6787
jacks, gas...6775
machinery ...8868
machinery, all kinds..8871a
machines, electric...8869
machines, gasoline...8870
machines, sugar house.8870a
outfits, horsepower....11784
outfits, odorless...11785
systems, fuel oil...11786
systems, pneumatic...11795
systems, return air....11787
units ...11788
Pumpkin canners (see canned goods) ...1329
peeling & seeding machines ...8871
Pumps, acid...11789
acid, hard rubber...11790
acid, metal...11791
proof ...11791a
air ...11792
air chamber ...11792a
air, electric...11842
air, exhausters...11793
air lift...11794
air line, vacuum heating ...11795
air tire ...11796
air & water combined.11797
alcohol ...11798
ale & beer...11799
aluminum ...11800
ammonia ...11801
artesian well...11802
automatic ...11802
automobile ...11804
ball valve...11805
ballast ...11806
barrel ...11807
barrel spray...11940
beer ...11799
belt driven...11808
bicycle (see pumps, air tire) ...11796
bilge ...11809
boiler feed...11810
boiler testing...11811
bracket ...11812
brass ...11813
brewery ...11814
brine ...11815
bucket ...11816

No.

Pumps, bucket spray....11941
cam ...11817
centrifugal ...11818
centrifugal, deep well.11819
centrifugal water tank.11820
chain ...11821
chemical plant...11822
circulating ...11823
cistern ...11824
combined air & circulating ...11825
compound ...11826
compression tank...11827
condensation ...11828
condenser (see condensers, steam)...3005
contractors', for sewers & foundations...11829
copper ...11830
corn meal...11831
cornish ...11832
cotton seed oil...11832a
crank & fly wheel...11833
creamery ...11834
deck ...11932
deep well...11835
diaphragm ...11836
distillers' ...11837
double acting...11838
drain ...11839
drainage ...11840
dredging ...11840a
dredging, hydraulic (see pumps, sand & dredging) ...11928
drip ...11930
duplex ...11840b
electric ...11841
electric air...11842
electric house...11843
electric pressure...11844
elevator ...11845
elevator service, hydraulic ...11876
engines, etc...11845a
evaporator, feed ...11845b
fan, papermakers'...11905
fan & stuff...11846
filter press ...11847
fire ...11848
fire, hand...11849
fire protection...11850
flywheel ...11838
foam, fire-fighting...11851
for chemical solutions.11851a
for gasoline lighting systems ...11852
force, gas main...11862
force, horizontal...11853
force, plumbers'...11911
force, railroad ...11921
force, underground...11958
force & lift...11854
fuel oil...11855
galvanized steel...11856
gas compressing...11857
gas engine cooling...11858
gas engine driven...11859
gas engine starting...11860
gas fitters' proving...11861
gas main force...11862
gas well...11898
gasoline ...11864
gauge testing (see gauge testing apparatus) ...5245
geared ...11865
geared, oil or water..11866
general service ...11866a
ham preserving...11867
hand ...11868
hand fire...11849
high pressure oil...11869
high service...11869a
high vacuum, for packing houses...11870
hot air (see engines, hot air pumping)...4398
hot well...11871
household ...11872
house tank...11873
hydraulic ...11874
hydraulic dredging (see pumps, sand & dredging) ...11928
hydraulic elevator service ...11876
hydraulic pneumatic...11876a
hydraulic pressure...11877
hydraulic proving...11878
injection ...11882
irrigating ...11883
jet ...11884
juice ...11885
laboratory vacuum...11886
lift ...11854
lime ...11886a
liquor ...11887
low service...11888
lubricator (see lubricators, oil pump)...7636
maceration ...11888a
machinery ...8871a
magma ...11889
manhole & pile...11890
marine, power...11891

No.

Pumps, marine, steam (see pumps, steam).11943
measuring ...11901
milk ...11892
mine ...11893
molasses ...11893a
multi-stage, high lift centrifugal ...10033
naphtha ...11893b
oil ...10240c & 11894
oil burning outfits...11895
oil, high pressure...11869
oil line...11896
oil, motorcycle...11897
oil or gas well...11898
oil refinery...11899
oil,rotary ...11900
oil, self-measuring...11901
oil, tin & galvanized.11902
outside packed...11903
packing house...11904
paper makers' fan...11905
paper mill...11906
paper mill suction box vacuum ...11907
pile ...11890
pipe line ...11907a
pitcher spout ...11908
plantation ...11909
plumbers' ...11910
plumbers' force...11911
plunger ...11912
pneumatic ...11913
pneumatic displacement ...11914
power ...11915
power spray ...11915a
pressure (see pumps, steam ...11943
pressure tank ...11916
private water works..11917
propeller ...11918
proving, hydraulic...11878
pulp grinder ...11919
quarry ...11920
railroad force...11921
receiver ...11921a
reciprocating ...11922
reclamation ...11923
return line vacuum heating ...11924
rotary ...11925
rotary oil...11900
rotative dry vacuum..11926
sand feed stone sawing ...11927
sand & dredging...11928
screw ...11929
self-measuring oil...11901
service & drip...11930
sewage ...11931
ship & deck...11932
sinking ...11933
size ...11934
slip ...11935
slurry ...11936
slush ...11937
soap makers ...11938
soda ...11938a
spray ...11939
spray barrel...11940
spray, bucket...11941
station ...11942
steam ...11943
steam turbine...11944
stuff ...11946
suction box...11945
sugar house...11946
sulphur fume (see pumps, centrifugal).11818
syphon ...11948
syrup ...11949
tail ...11950
tank ...11951
tannery ...11952
tar ...11953
test ...11954
test, hydraulic...11879
tire, air...11796
tower ...11955
track ...11955a
transmission, hydraulic ...11880
trench (see pumps, diaphragm) ...11836
triplex ...11956
turbine ...11957
underground force ...11958
underwriters ...11959
vacuum ...11960
vacuum cleaning...11961
vacuum distillation...11962
vacuum, dry & wet...11963
vacuum, laboratory...11886
vacuum for vacuum heating ...11964
volute ...11965
water ...11967
water motor...11968
water tank, centrifugal ...11820
water works...11969
water works, vacuum for priming...11970
windmill ...11971
wine ...11971a
wood ...11972

No.

Pumps, wrecking...11973
& boilers, combined..11974
Punch boards... 934a
couplings ...3308a
holders ...6262
press guards (see guards & safety devices, machinery)....5703
stems ...11976
& drill sleeves...13760
& shear combined, hand power...11977
& shears, combined.... 8888 & 11977
& straightener combined ...11978
Punched chain links & chain ...2287
Puncher picks (see picks, mining machine)....10858
picks, coal (see picks, mining machines)...10858
Punches, arch...11979
backing out (see punches, pin)...12012
beam ...11980
belt, drive...11981
belt, revolving...11982
bench ...11983
blacksmiths' ...11984
boiler (see punching machines, boilermakers') ...8872
boilermakers' screw..11985
bull (see ringers, hog).12427
butchers' saw, etc....11987
buttonhole ...11988
carvers' ...11989
center & prick...11990
conductors' ticket, etc.11991
coopers' ...11992
drift ...11993
drive ...11994
drive, belt & saddlers'.11981
ear tag...11995
eyelet ...11996
flue shearing...11993
for ornamental iron work ...11999
gang (see punching machines, multiple)..8880
guide ...12002
hand ...12003
hand power...12004
hand & tube hole...12005
hollow ...12006
horizontal (see punching machines, horizontal) ...8877
hydraulic (see punching machines, hydraulic) ...8878
lever ...12009
machine ...12010
multiple (see punching machines, multiple) ...8880
ornamental iron work.11999
paper ...12012
pin ...12013
pneumatic ...11296
portable ...12014
power ...8887
prick ...11990
revolving, belt & saddlers' ...11982
rivet hole...12015
rolled head...12016
round or saddlers'...11981
saddlers', drive...11981
saddlers' revolving...11982
saw ...12017
saw, butchers'...11987
screw, boilermakers'..11985
scroll ...12018
sheet metal...12019
slotting ...12002
solid ...12020
spiral shear (see punching & shearing machinery) ...8887
spiral, spring center..12021
spring ...12022
square end...12023
tie plate...12024
tinners, solid drive...12025
track ...12026
tube hole...12005
& dies (boilermakers).12026a
& riveters, combined.12497
& shears, combined.... 8888 & 11977
Punching bag swivels...14621
beveling & trimming machines ...8873
machines, boilermakers' ...8873
machines, coal (see coal cutting machines)...8058
machines, coping...8874
machines, disc...8875
machines for light metal, paper, etc...8876
machines, gang...8880
machines, hoop...8459
machines, horizontal...8877
machines, hydraulic...8878

Punching machines, hydraulic manhole.....8890
machines, I-beam.....8879
machines, leather.....8529
machines, multiple.....8880
Punching machines, paper 8876
machines (printing & punching) 8852
machines, rail.....8881
machines, rotary.....8882
machines, screw.....8883
machines, Stiles.....8884
machines, structural steel 8885
press safety devices..12362
presses (see presses, power) 11608
presses, hand power...11614
presses, multiple.....11597
& cutting machines, combined 8886
& shearing machinery..8887
& shearing machines, combined 8888
& shearing machines, double end 8889
& shearing machines, manhole 8890
& shearing machines, plate work.....8891
& shearing & bar-cutter machines, combined 8892
Puncture alarms..... 106
Punts 12026b
Pure granite, chemically 5557a
white sand 12901
Purifiers, feed water....12027
flour 12028
meal 12028
middlings 12029
oil (see filters, oil)....4742
transformer, oil.....15863
& scrubbers, gas.....12030
Purifying apparatus, boiler 1012
& cooling apparatus, air 95
& filtering apparatus, water 16688
& filtering plants installed 4736
& softening apparatus, water 16689
Purple ores.....10389
roofing slate.....12734
Push bars..... 578
broaches 1482
brooms 1505
button centers 12031
button elevators.....4285
button fittings.....4818
button floor treads....15930
button knobs.....7072
button switches, (see switches, snap & push) 14605
button switches, flush.14602
button switches, rotary 14602
buttons 12032
buttons, watertight...16692b
car wheels.....16786
cars 2034
carts (see carts, hand & barrel) 2094
electric lamp sockets, metal shell, medium13329d
porcelain shell, medium 13329f
pins 10910
plates 11102
plates, plate glass....12033
poles, engine.....11362
switches 14605
& pull switches.....14600c
Pushers, car.....1923
coke 12034
pipe 12034a
Push-jacks 6789
Putting-out machines, leather 8540
Putty, caulking.....12035
glaziers' 12036
greenhouse 12037
knife handles.....5862b
knives 7022
painters' 12036
oils 10328a
ornaments (see ornaments, composition).10405
powder 12039
roof 12040
stove makers'.....12038
trowels (see knives, putty) 7022
Puttyless skylights.....12782
windows 14236
Pyralin 12040a
collars & cuffs.....2881a
rods 12577a
sheeting 12475
tubing 16112a
Pyretometers 12041
Pyridine 12042
Pyrite radio 12104d1
Pyrites burners.....1690
furnace charging tools.15768
of iron (see ores, pyrites) 10390
ores 10390
& sulphur burners.....1690
Pyrogallic acid..... 47
Pyroligneous acid (see acid, acetic, crude)... 21
Pyrolusite (see oxide of manganese) 10434
Pyrometer, nickel alloy16086a
Pyrometers 12043
Pyrophoric alloy.....118b
Pyroxylin, enameled 4312b
lacquers, wood & metal.7104a
plastics 12043a
solutions 12044
Pyxol 12044a
Quarries, granite (see granite producers)...5564
stone (see stone producers, workers & dealers) 14344
Quarry bars..... 579
cars 2052a
chains 2364b
equipment & supplies.12044b
hoists 6207
powder 12044c
pumps 11930
tile 15593
Quarrying machinery & supplies 8892a
Quartering machines....8893
machines, apple.....7687
Quartz 12045
glass 12046
glass, fused.....5453
grinding machines (see mills, quartz).....9814
lamps 7206
mills 9814
Quebracho extracts.....4514
Quenchers, coke.....12047
Quercitron extract 4493c
Quick adjusting clamps..2604a
closing valves.....16372
opening valves.....16373
Quicksilver 12048
elevators 4286
Quill winders.....15479
Quillers 15330
Quills 15331
Quilt frame clamps.....2605
Quilting frames 15177a
machines 8894
Quinine 12049
Quoits 4152
Rabbits, iron.....12050
Rabble blades 12052
Racing shells (see boats, row) 993a
Rack, cutters 8585
cutting machines.....8895
Racking chain wheels..16797
chains 2365
Racks, armature.....12051
automobile trunk.....12094
baggage 12053
bar steel.....12054
barrel 12054a
bicycle (see stands, bicycle) 14146
book & catalogue.....12055
bottle (see bottle racks, milk) .....1162 and 12076
broom 12063
cable 12056
car 12057
card, wire.....12058
chair rod.....12059
coat (hat & coat).....12069
core 12060
cut 12061
desk 12062
display 12063
drill 12064
filing 12065
fire hose.....12278
folding clothes.....12066
for cold storage rooms.12067
fruit can 12067a
garden hose 12068
hat & coat.....12069
hay, wire & iron.....12070
hay & stock.....12071
insulated 12072
kitchen cabinet.....12072
machine 12061
mail pouch.....12074
milk bottle...1162 & 12076
mining machine.....12077
music 10035
oven 12077
pattern storage.....12080
pew 12081
pipe 12082
poker chip.....12082a
portable forge.....12083
postal bag.....12084
pot cover.....12085
printing stamp.....12085a
reamer 12064
rubber stamp.....12086
rug (see exhibitors, rug) 4476
Racks, shoe 12087
sorting (see racks filing) 12065
steel storage.....12088
stock room.....12089
tap 12064
test tube 12090
ticket metal.....12091
tool 12092
tooth brush 12092a
towel 12093
trunk, automobile.....12094
umbrella (see stands, umbrella) 14160
wooden 12096
Racquet bags or covers, tennis 403
Racquets, tennis 14951
Radial bearings 687
block chimneys 2456
brick 1452
drilling machines.....8232
drilling machines, universal 8243
duplex cutters.....3586
gate hopper cars.....2052b
grinders, ball race-way.5637
grinding gauges.....5312
reamers 12204
wall drilling machines..8233
& thrust bearings combined 671
Radiator air, moisteners.9893a
bronze (see bronze powders) 1494
brushes 1559
bushings 1719
caps, automobile.....1888
cements, automobile....2241
chaplets 2417
covers, automobile.....3315
discs 3840
dust catchers.....12097
enamels 4313
fans 4537
foot rests.....4921
guards, wire.....12098
hose 6465
lacing (see lacing, automobile hood).....7098a
loop milling, drilling & tapping machines....8594
machinery 8896
nipples 10145
ornaments 10412
pedestals 16782
plugs 11227
screens 12098
shells (see radiators, water cooling).....12104b
shields 12098
siphons, double.....13710c
tops, slate (see slate stairs, treads & risers) 13747
traps 15902a
trucks 16039
valve wheels, wood...16793
valves, automatic, air (see valves, air)....16263
valves, back offset....16375
valves, corner.....16376
valves, inlet.....16377
venting valves.....16378
Radiators, aeroplane....10299
automobile (see radiators, water cooling).12104b
electric 12100
electric car (see heaters, electric car)....6026
gas 12101
hot water & steam....12102
stove pipe.....12103
tractor 12104
transformer cooling ..12104a
water cooling 12104b
Radii averaging instruments 6638
Radio amplifiers.....12220
antenna 183a
arresters, lightning..... 239
batteries A..... 653a
batteries B 653b
binding posts 815b
cabinets 1764a
coils 2853b
condensers, receiving..3003a
condensers, transmitting 3003b
couplers 3280
crystals 8468c
detectors, crystal.....3723
fluorspar 4909a
frequency coils 2858c
galena 5165a
head set diaphragms..3734b
head sets.....5976a
insulation 6655a
insulators 6672a
jacks 6789a
jacks, telephone.....6794
keys, telegraph sending.6893a
loud speakers.....7613a
masts 9202a
name plates 10097a
panels, vacuum tube..10580b
parts 12104d
plugs, telephone.....11237a
Radio phones (see head sets) 5976a
pyrite 12104d1
receivers 12220
rheostats 12399a
sockets, vacuum tube.13842
spark gaps.....13899a
switches 14600d
transformers, amplifying 15868a
transformers, power..15868b
transmitters, telephone 15876a
tubes, vacuum.....16086a
tuners 16144b
variocouplers 16436a
variometers 16436b
wire, antenna.....16897
Radium 12105
Radius planer attachments 12105a
rods 12578
Raffia grass importers..12106
Rafter brackets.....1339
squares 14070
Rafting augers (see bits, auger) 828
chains 2866
dogs 3875
Rafts, life..... 997
Rag carpet looms 15261
cutter knives.....7024
cutters 15108
cutting machines.....8897
dusters 15141
pickers 15319
threshing machines....8898
winders 16858a
wrapping paper.....10735
Raggle blocks..... 918
Rags, wiping (see wipers, machine) 16890
Rail anchors..... 162
benders 781
bending & straightening machines.....8899
blocks 919
bond protectors.....11698
bond testers.....14985
bonding clamps.....2606
bonding drills 4051
bonding, soldering apparatus for.....13872
bonding tools.....15769
bonds 12107
braces 1316
braces (hand or stair rail) 1314
brackets, hand & foot..1334
brakes 1371
chairs 2399
clamps 2606
clutches 2782
crimping machines....8157
cutting machines.....8900
dowels 3970
drilling bits..... 839
drilling machines.....8234
ending machines.....8901
forks 4975
frogs, spring.....5027
grinding machines.....8398
hangers 5898
insulating joints.....6838
joint insulation.....6656
joint plates.....11122
joints 12108
joints, continuous.....12109
loaders 7509
mills, iron & steel....12110
planing machines.....8818
punching machines.....8881
rolls 12692
sawing machines.....8902
saws 12994
shoes, third (see contacts, electrical)....3041
step joints.....6842
straightening presses.11615
tongs 15683
welding 12110a
Railing fittings, brass pipe 4799
fittings (iron railing)..4814
fittings, malleable & brass 4815a
flanges 4863
posts, iron (see posts, iron & steel).....11403
posts, brass & bronze.11408
Railings, bank..... 506
brass (see bank & office railings) 506
brass pipe.....12111
bridge 1472
bronze (see bronze, architectural) 1487
bronze pipe.....12111
cemetery 2271
iron 6701
iron pipe.....12111
office 506
tool room.....12112
vault 12113
& balustrades..... 486a
& gates 5239a

INDEX

INDEX

No.

Railroad ballast (see stone, crushed).....14337
blanks 12117
brushes 1560
car pile drivers.....10871
car retarders.....12386
cars (repaired or rebuilt) 2053
carts 2101
castings 2186
chains 2367
copying paper.....10701
contractors 3044
cranes 3388

Railroad crayons 3410
cross tie machines.....8903
curves 12114
ditching machines.....8189
dumping cars.....2023
equipment, for narrow gauge 12114a
equipments, second-hand 12115
excavators (see elevators drag line).....4460
fences 4638
force pumps.....11921
lights, portable 12116
manifolding paper mfrs. 10702
manila paper.....10703
forgings 4957a
graders 5550
lamp burners, long time 1691
manifests 12117
mauls (see mauls, regular line) 9638
portable lights 12116
printers (see railroad stationery, etc.)....12117
settees 13326
shop forges.....4932a
signs 13676a
speed indicators.....6571
spike screw drivers...13175
splice bars (see braces, rail) 1316
stationery, blanks, manifests, etc.....12117
supplies 12117a
switches, automatic...14571
ticket boxes.....1269
ticket cases.....2124
ticket & cash receipt boxes 1269
tie plates.....11137
ties (see ties, poles & posts) 15565
ties, concrete steel....15560
ties, steel.....15568
track laying machines.8904
track scales (see scales, track) 13057
track spikes.....13922
track steel 14238a
track tools.....15770
velocipedes (see cars, velocipedes) 2081
water columns 16678
water softening plants.16688a
water stations 16689a
water tanks.....14790
writing paper.....10703

Rails, altar, brass.....1375
altar (pulpit & altar).11766
automobile 12120
barn door.....12118
bonding paints.....10563b
carriage, etc.....12119
coat, etc.....12120
door 12121
girder & high tee....12122
guard 12123
hand & foot.....12124
light (see rail mills, iron & steel).....12110
manganese steel.....12126
new 12126a
pulpit & altar.....11766
relaying 12126b
robe, etc.....12120
sliding door.....12127
steel 12128
steel renewed (see rail mills, iron & steel) 12110
tram 12110

Railway cab signals....13651
caps or tips.....15630
car, water cans.....1379a
cars 2019
cattle guards.....5686
crossing gates.....5230
crossing signals.....13652
crossings (see frogs, switches and crossings) 5028
cycles (see cars, velocipede) 2081
feeders, aluminum.....4597
heads 15332
lamps 7207
lanterns 7229
mail catchers.....9519
motor controllers.....3067
motors, direct current.9967
motors, interpole.....9978
sewing machines.....9070

Railway signal flags.....4838
signal torpedoes & fuses 15821
signaling locks.....7554
signals, electric.....13644
speed recorders.....12235
spittoons 13936
steam traps.....15909
supplies, electric.....12129
system, single phase.13702a
tips or caps.....15630
ticket cases.....2124
track laying machines.8904
track movers 15845c1
track, portable (see railways, industrial & portable) 15847
varnishes 16466
Railways, automatic....12129a
cable (see wire rope tramways) 16974
gravity 12130
incline (see stairways moving) 14111
industrial & portable.12131
logging 12131
marine 4108
miniature 7598
portable 12131a
scenic (see locomotives & railways, miniature) 7598
Rain aprons..... 215
gauges 5314
leaders (see conductor, pipe and eaves trough mfrs.).....3012
registers 12310
water filters.....4744
Raincoats, rubber (see mackintoshes) 9505
Raised letter metal signs (see signs, brass & bronze) 13658
Raisers, carriage top...12132
Raisin machinery.....8905
seeders 13277
Raising machines, panel.8697
Rake handles, ash.....5838
teeth 14901
Raker gauges.....5320
Rakes, asphalt or tar...12133
bean 12134
drag 12135
garden 12136
gas retort.....12137
hay, hand.....12138
hay, revolving.....12139
hay, side delivery....12140
hay, sulky.....12141
lawn 12136
stacker, for threshers.12142
stalk 12143
sweep 12144
tar 12133
Ramie noils.....10164
Rammers, cement.....12145
concrete, pneumatic (see pneumatic sand rammers) 11304
dirt 12145
foundry 12146
foundry, pneumatic (see pneumatic sand rammers) 11304
pavers' 12147
sand 12146
sand, pneumatic.....11304
Ramps 12147a
Rams, hydraulic 6509 & 12148
steel hammer.....12604
Rand knives.....7025
Range boiler stands.....1016
boilers, steel.....14239
boilers, copper.....1032
boilers, galvanized iron 1033
closets 13508
finders 12149
lighters 7435
lining (see stove linings) 14390
poles 13567
shelves 13508
Ranges, acetylene (see stoves, acetylene)...14396
electric 12150
French cooking (see cooking apparatus)..3147
galley (see stoves, galley) 14412
gas 14414
hotel 12150a
kettle 12151
portable & stationary.12151a
restaurant 12150a
steel 12152
water closet.....16672
Rapeseed oils.....10329
Rapid circulation evaporators 4453c
Rapper, rotary, for bench molders 12775
Rapping plates.....11123
plates & lifting screws 12153
Rare minerals 9840
ores 10390a

Rare & semi-rare ores..10390b
Rashel machines.....15333
Rasp handles (see handles, file) 5839
mfrs. 4691
steel 14221
Rasps, horse.....12154
Rat traps.....15903
Ratchet brake handles..5817
brake wheels.....16799
corner borers (see bit braces) 826
drilling machines.....7682
drills 4052
Ratchet drills, mine.....4042
handles 5863
jacks 6790
reversible 17091a
screw drivers.....13172
wrenches 17091
Ratchets 12155
deck sash.....12159
fence 12160
pulling 12162
Rate controllers for fitters, etc.....3068
Rathes, beaming.....15007
Ratline, tarred.....12163
Rattan brooms.....1506
chairs (see furniture, rattan & reed).....5150
furniture 5150
knives 7026
mats & matting.....9619
seat covering, canvas lined 12164
weaving machinery....8906
& reed works.....12165
Rattans, reeds & chair cane 12166
Rattlers, brick.....12167
flue 12168
foundry 12169
nail 12170
Rattles, wooden 12171
Ravelers 15334
Raveling machines, yarn 15335
Raw mica.....9747
umber 16222
Rawbone, boiled.....12172
granulated 12173
Rawhide apron leather.14995
baskets 614
belting 748
bushings (see gears & pinions, rawhide)....5411
center canvas belting.. 738
gear blanks.....5358
gears & pinions.....5411
hammers (see mallets, rawhide) 9526
mallets 9526
mauls 9526
packing 10467
pins 10911
rope 12765

Rays, ultra violet producing apparatus...16220
violet apparatus 16503b

Razor boxes safety.....1271a
cases 2124a
guard 12174
guards 5701a
handles 5863a
hones 6293
mfrs. 12175
mfrs., safety.....12176
strop dressing.....4003
strop hooks.....6372
strop swivels.....14622
stroppers 14494
strops 14496
Razzle dazzles.....12178
Reach pins.....10912
plates 11113
Reading glasses.....5490
tables, adjustable.....14639
Ready cut houses.....6484a
mixed paints 10563d

Re-agent bottles.....1170b

Re-agents, chemical....12179

Reamer bits (see reamers, bit brace).....12184
cutters 3611
grinders 5638
racks 12064
wrenches 17102
& drill taps, combined 14351

Reamers, adjustable....12180
adjustable floating....12181
aligning 12182
bibb & bibb seat.....12183
bit brace.....12184
bit stock.....12185
bridge 12186
burring 12188
carbon 12188a
center 12189
chucking 12190
chucking, three groove 12190b
chucking, four groove.12190b
chucking, rose 12190a
conduit pipe 12191
electrical, portable....12193

Reamers, expansion.....12194
for cylinders, roughing & finishing 12194a
hand 12195
high speed steel.....12197
high speed steel, twisted (see reamers, high speed steel)..12197
hub 12199
jobbers 12199a
lead pipe 12202
lemon & orange.....12200
locomotive 12201
orange 12200
pin 12203
pipe 14878
pneumatic (see pneumatic reaming & tapping drills) 11297
radial 12204
rivet hole 12205
set 12206
shell 12207
special design 12208
spiral fluted 12208a
square 12209
taper 12210
taper pin 12210a
turret lathe 12211
under 12212
valve re-seating 12213
Reaming bushings 1720
counterboring & tapping machines combined 2907
irons 6741a
lathes, die 7263
machines 8908
machines, gun barrel..8407
machines, pipe socket.8909
machines, rifle barrel..8915a
& boring machines....7834
& drilling machines...8247
& tapping drills, pneumatic 11297
& tapping machines, portable 9261
& tapping motors, pneumatic 11298
Re-annealed steel sheets 14259
Reaper frame boring machines 7826
guards 5699
knives 7008
sections 10024
sickles (see knives, mower & reaper)....7008
Reapers 12314
& mowers 10024
Reaping attachments for mowers 299
Rear end construction trailer parts.....15854a
Reboring, cylinder 3624
Rebound straps 14463
Rebuilt cars 2053
gas engines 4369
locomotives 7595
machy 8909a
steam engines 4369
tires 15647a
Receding pipe threaders.10971
Receiver pumps 11921a
separators 12309a
shells, telephone.....14924
Receivers, acid 12214a
air.....12215 & 14823b
ash 260
ammonia 12216
condensation (see tanks condenser)...14746
feed water 12216a
garbage 12217
hair 12217a
milk & package.....12217b
pipe 12218
radio 12220
rotary underground ash 12219
telephone 14925
Receiving condensers, radio 3003a
hoppers 6430a
safes 12858
scales 13049
Receptacle plugs, flush & receptacle 11217
plugs stage & receptacle 11284
Receptacles, cleat 12221
conduit box 12222
Edi-Swan 12222a
flush 12223
for chemical works...12224
hard fibre 12225
metal sheet 12225a
ordinary & sign.....12226
porcelain 12225a
three fuse, 6,000 volt.12226a
Recessed lap joints.....6840
Recharges for Fire Extinguishers 12226b
Re-chipping machines, pulp wood 3865
Reciprocating motion counters 3866
pumps 11923

No.

Reclaimed plaster, dryers 4134b
rubber 12792
rubber separators 13310
Reclaiming apparatus ..12226c
machinery, rubber....8974
machines, scrap (see rolls, scrap reclaiming) 12696
Reclamation machinery..8910
pumps 11923
Reclining chairs 2400
Record holders, wire phonographs 12227
Recorder, time 12238
Recorders, carbon dioxide 12227a
cash 12228
coasting 12229
combustion 12230
continuous feed & resetting 12231
elevator travel 12232
flue gas temperature.12233
machine 12233a
pressure & speed 12234
railway speed....12235
smoke 12236
sunshine 12237
temperature 12237a
time 12238
time cost keeping....12239
traffic time 12241
vacuum 12241a
water flow 12242
water level 12243
weir 12244

Recording complaint meters 9732
devices for the trade.12245
drums 4100a
gauges, combination ..5265
gauges, differential ...5274
gauges, draft 5276
gauges, hydraulic 5289
gauges, loss of head...5298
gauges, revolution 5319
gauges, speed 5328
ice chutes 2541
instrument movements 10023
instruments (see specific article required)
instruments, electrical..6625a
machines, ice 8484
prepayment wattmeters 16695
pressure gauges 5315
pressure gauges, gas..5284
pressure gauges, portable 5316
tachometers 14675
thermometers 15513
thermometers, wet & dry bulb 15520
tide gauges 5317
vacuum gauges 5318
watthour meters, prepayment 16693

Records, disc 12245a

Recovered manganese....9539e
salt 12874a

Recovery apparatus, benzol 791c
apparatus solvent 13884a
apparatus, sulphuric acid 14528c
evaporators, soda 4454b

Rectangular copper furnaces 5108
rings (see rings, binder) 12435
tanks 14790a

Rectifiers, alterating current 12246
automobile electric lighting 12247
for changing alternating to direct current 12248
high voltage D-C....12248a
mercury arc 12249

Rectigraphs 12250

Recuperative furnaces ..5108a

Recuperative flue tile...15594

Red acid 47a
arsenic (see arsenic). 245
cedar doors, wholesale 3946
cedar shingles 13533
chrome 2499a
granite producers 5563
lead 16840
lead mfrs 16840
liquers 7492
ores 10391
oxide (see litharge)....7497
roofing slate 12735
rope roofing 12730
sheet packing (see packing sheet) 10472

Redmanol 12250a

Redrawing frames 15178

Reds, Indian 12251
Turkey 12251a
Tuscan 12251b
Venetian 12252

No.

Reducers, aniline 12252a
closet spud 12253
hose 12254
motor high speed 9955
stove pipe 12255
& rovers 15355

Reducing furnaces 5109
glasses 5491
machines (see swaging machines) 9232
motions 9950
nipples 10146
presses 11616
valves, diaphragm ...16299
wheels 16800

Reduction gears 5395
gears, worm gear 5408
kettles 6377a
machinery, ore....8677
motor speed 9956
shredders, roll & sheet stock 13610a

Redwood shingles, California 13532
tanks 14790b

Reed furniture 5156
hooks 15206
& rattan works 12165

Reeds 15336
car seat, chair, etc..12256

Reel cabling machines..15337
hubs picture film 6491a
jacks 6772
spindles 15398

Reels 1583
automatic 12256a
belt 12257
blasting cable 12258
bolting 12259
braid 12259a
centrifugal 12260
chalk line 12260a
clothes line 12261
film 12261a
fire hose 12278
fishing 12262
garden hose 12263
hawse 5975
hexagon 12264
leading wire....12265
leather 12266
masons' line 12260a
paper 12267
payout & take-up 12268
pressed steel 12269
rope 12269a
roving 15338a
sand 12270
scalping 12271
sheet steel 12272
sifter bolting 12273
skeining & measuring 15339
stock 12273a
surveyors' tape 12273b
tennis post 12274
testing 15340
wire 12275
wire mill 12276
wood 12277
yarn 15341
& racks, fire hose 12278

Re-enforced (see re-inforced)

Refillable cartridge fuses 5159

Re-filling commutator ... 237

Refined fusel oils....10303
hammered iron 6702
silicon 13696
sulphur 14527

Refiners, asphalt 264
benzol 792
electrolytic copper 3180
gasoline 5215
graphite 5567
lead, electrolytic 7344
naphtha 10101
platinum 11157a
sugar 14512
& smelters 13785

Refiners' platinum melting outfits 11157

Refinery equipment 12278a

Refining furnaces 5109
machines, rubber 8975
stills benzol 14312c
stills toluol 14322b

Refittings, ship 13542a

Reflecting condenser for dark field illumination 3064

Reflectors, arc 221
electric (see reflectors, various kinds), 12279—12286 (or shades & reflectors) ...13357-13359
enameled iron 12279
enameled steel 12280
for churches, halls, etc. 12281
glass 13357
half incandescent lamp 12282
metallic 13358
mirror 13359
porcelain 13357
show case 12283
signboard 12284

No.

Reflectors, tungsten lamp 12285
window 12286

Reflectoscopes 12287

Reflux condensers 3004a

Refractometers 12288

Refractory cements (see cements, fire resisting) 2248

Refrigerating apparatus, electric 12289
machines 8485

Refrigeration engineers..4346

Refrigerator baskets 615
car doors 3947
car heaters 6041
car icing systems 6526
car insulation 6657
cars 2654
cocks 2834
display counters 3269a
door springs 14030
drains 3985
hardware 5939b
hinges 6116
insulation 6650
latches 7240
linings 7472
linings, slate (see slate stair treads & risers) 13747
locks 7555
pans 10605
shelves ....13506?
traps 15904
trimmings 15967

Refrigerators 12290
dining car 12291
iceless 12292
metal (see refrigerators) 12290
nursery 12293
steel (see refrigerators) 12290
& cooling rooms 12294
& cooling rooms, glass lined 12295
& cooling rooms, tile lined 12296

Refuse burners 1692
cans, street & park ...1867
incinerators 6536

Regenerating gas furnaces 5110

Regenerative welding furnaces 5133

Regenerator, brick 1453

Regenerators, ammonia 12297
steam 12298

Register chains 2367a
cord splicers 13939
cords 3200
cords, leather 3200
frames or borders, slate 13746
shields (see radiator shields) 12098
& system, account 6

Registering machines (see counting machines)..8141

Registers, autographic..12299
car fare 12300
cash 12301
cash & credit autograph 12302
engine 12303
grain 12304
hand tally 12305
hospital 12306
hot air 12307
hot water 12308
pressure, for gas works 12309
rain, sewer & depth.12310
stove pipe 12311
tally (see registers, hand tally) 12305
telephone 14919
ticket (see vending machines) 9382
water stage 12243

Regrinding valves 16379

Regular, line mauls 9638

Regulating gauges, temperature 12043
sockets 13832
valves (see governors, pump) 5540
valves, air 16266

Regulators, air 12313
automatic (see thermostats) 15521
automatic electric heat (see regulators, heat) 12334
blower, electric 12315
boiler feed 12325
carbonic gas 12316
cold 12317
compressor, electric...12318
constant current 12318a
controller, electric railway 12319
damper 12320
dynamo field 12321
electric blower 12315
electric fan 12322
electric organ 12339

No.

Regulators, electric pump (see governors), electric pump) 5534
evener 15342
exhaust pressure....12323
fan engine....12324
feed water....12325
feeder voltage....12326
flush tank 12327
fuel oil or gas....12328
fuel, pulverized coal..12329
furnace 12330
gas (see regulators, gas pressure) 12332
gas burner....12331
gas pressure....12332
generator voltage....12333
heat 12334
hot water....12335
hot water tank....12335
humidity 12335a
hydraulic 12336
motor speed 12337
oil 12338
oxy-acetylene 12340
power, for looms....12341
pressure 12342
pressure, for cane mills 12343
pulp load 12343a
pump (see governors, pump) 5540
rheostat 12344
slasher 12345
speed (see controllers, various kinds; also indicators, various kinds).
steam engine (see governors, steam engine) 5542
steam heat, for train service 12347
tank, hot water (see regulators, hot water 12335
temperature 12348
voltage 12349
water 12350
water pressure....12351
water wheel (see governors, water wheel).5546
windmill 12352
window 12353

Regulus, antimony 188b

Reheaters, air....12354

Reheating asbestos corrugated sheathing.... 248

Rein supports....14542

Reinforced concrete bridges 1477
concrete engineers....2995
concrete pipe....10955
concrete sewer pipe..10962
concrete steel construction 2995
concrete tanks 14790c
roofing tile....12740
stand pipes 14140a
trolley poles....11373

Reinforcement, concrete (see concrete reinforcing materials)...2993
wire fabric....16931

Reinforcing bar benders. 782
bar cutters (see cutters, iron bar & rod)....3566
bars concrete....2992
material, ties....15566
materials, concrete....2993
materials for partitions10745

Rejointing machines, stave 9197

Relasting machines....3911

Relay shells, telephone..14926

Relaying rails....12126a

Relays for electrical contact 12356
magnetic 12357

Releasers, curtain....12363

Releasing hooks, life boat 6373

Relief cocks....2335
grips, socket strain....5672
valves 16281
valves, pressure & vacuum 16369b
valves, water....16426

Relieving lathes....7255

Reliners, automobile....12359

Reloaders, coal....12360

Re-melters, soap....12361

Reminders, household...12362

Removable screw calks..1807b

Remover, lead joint....7340

Removers, carbon....1941
crown seal (see openers, bottle)....10362
paint & varnish....10527
rust 12335a
stain 14094
tire 15639
varnish 16439a

Rendering machinery....3912
machinery, oleo & lard 8675
tanks 14791

INDEX

INDEX

No.

Renewable disc valves..16381a
fuses 5159a
fuses, enclosed.....5157a
fuses, links 7482a
fuses plugs.....5158b
seat valves.....16382
Renewed incandescent lamps 7183
steel rails 12110
Renewers, dressing top..4004a
Renewing, file.....4690
Renovators, stone.....14345
varnish 16440
Repair cars, trolley.....2079
kits, tire.....15640
lids, curb box.....7411
links, chain.....7476
parts, manganese steel.8540
sleeves, pole.....13765
wagons, trolley line (see wagons, tower).16599
work, car.....1926
Repaired cars.....2053
Repairs, elevator 4245
pump 11781b
ship 13542a
Repeaters, card, Jacquard 15041
Repeating pistols paper cap 10999c
Repelling chalk pencils.10791
Replacers, car.....12367
incandescent lamp....12368
Replacing frogs (see replacers, car).....12367
jacks, car (see jacks, car) 6773
Reproducers, phonograph 10827
Re-railer, mine car.....12370
Re-sawing machines, band 7720
-sawing machines, circular 8036
-seating machines.....8913
-seating machines, boiler cap.....7783
Research apparatus.....12371
apparatus metallurgical 9684
instruments magnetic 6631
Re-seating machines, faucet or bibb.....8289
-seating machines, valve 9369
-seating tools, valve..15786
Reservoir graders.....5550
Reservoirs, air & storage.12372
stove 12373
Resilient waste packing.10469
Resilvering, glass.....5468
Resin (see rosin).....12774
Resinate aluminum 136e
calcium 17991
cobalt 27911
copper 3180a
lead 7345a
manganese 9539d
zinc 17137a
Resins, oleo.....12374
phenol 10825b
Resistance alloys, electrical 122a
boxes (see rheostats).12395
coils 2859
electric metal (see alloys for electrical purposes) 122a
grids 12375
ribbon 12402a
rods 12579
rods & carbon.....12376
strips 14492b
thermometers 15514
units 12377
wire 16963
wire, electric.....16929c
wire, nickel silver....16964
Resisting castings, heat..2170a
heat materials.....6013a
metal, acid 9664
Resistors, carbon.....12378
standard 12379
Resorcinol 12379a
Respirators 12380
Restaurant fixtures (see store furniture & fixtures) 14387
ranges 12150a
tables 14644a
Rests, bow.....12381
foot, for automobiles..4920
foot, radiator.....4921
foot, shoe blacking...4922
hand, for lathes.....5807
pipe 12383
slide, for lathes.....13774
violin chin.....12384
Retainers, automobile oil 326
ball 12385
for veneers patented. 12385a
Retard, gauge.....5318a
Retardant fire glass (see glass, wire glass)..5482
Retarder, stucco.....14500
Retarders, railroad car.12386

No.

Re-thread tires 15647b
Re-toothers, saw (see saw stretching machines) 9022
Retort cements.....2262
gas, carbon 1938e
gauges (gas retort)...5286
house governors.....5541
Retorts, cannery.....12387
cast iron.....12388
chemical 12389
copper 12389a
for oil shale.....12389b
gas 12390
gold & silver melting.12390a
nitric acid.....12390b
platinum 12391
turpentine 12392
wood bending.....12393
Retrievers, trolley.....2207
Return air pumping systems 11787
bends 785
tubular boilers.....1034
valves (see valves, air)16263
vacuum & steam traps (see traps, steam)..15908
Reverberatory furnaces..5112
Reverse gears, locomotive power 5386a
Reversible friction electric hoists.....6190
plows 11204
ratchet wrenches.....17091a
road rollers 12631
spreading & haulage wagons 16591
sulky plows.....11201
swivel plows.....11204
tie plates.....11138
window sash.....16875
windows (see window sash, reversible)....16875
Reversing engines 4402
gears, marine.....5388
motor switches.....14601
switches, elevator 4252
valves 16383
Revivifiers, sand 12393a
Revolution counters.....3270
counters chart room....3262
counters engine.....3264
recording gauges.....5319
recording indicators....6573
Revolver black powder (see gunpowder).....5726
handles 5864
mfrs. 12394
semi-smokeless powder (see gunpowder)....5726
smokeless powder (see gunpowder) 5726
Revolving chairs 2401
chimney tops.....2451
chucks 2523
cranes 3378a
derricks (see derricks guy) 3702
doors 3948
dryers 4136
flat cards.....15049
forge furnaces.....5113
hay rakes 12139
pans, steam.....10609
pantry windows.....10619
portable elevators.....9303
punches, belt & saddlers' 11931
scales 13046
screens 13152
water screens.....13151
Rewinders & slitters, knit fabric.....15218
Re-winding, armature.... 237
machines, paper.....8732
Rheostat panels.....10580
regulators 12344
wire 16964a
Rheostatic controllers....3069
Rheostats 12395
battery charging.....12396
field 12397
meter testing 12398
motor charging, starting & speed controlling 12399
radio 12399a
stage dimming.....12400
Rhodium 12401
Rhubarb canners (see canned goods).....1829
Rib cutters.....15109
cutting & folding machines 15343
knitting machines.....15223
Ribbed glass for skylights 5470
glass, rough.....5469
rolled plate glass.....5469
Ribbon, block tin.....7349
cutting machines.....12402
lead 7349
looms 15262
paper 10704
resistance nickel & nickel alloy 12402a
sash 12403
scroll conveyors.....8129

No.

Ribbon spools, typewriter 13952a
wire 16965
Ribbons, typewriter.....16215
Rice bags..... 409
binders 814
chaff mills.....9816
cleaning machinery....8070
graders 5551
harvesters 5965
hulling machinery.....8915
mill machinery.....8914
mills, machinery.....9815
mills 12404
plantation machinery..8071
planting drills.....4053
separators 13311
shoes, brewers'.....12406
starch 14174e
threshers 15548
trommels 15982
& coffee hulling machinery 8915
Ricinola oils 10330b
Rickerts, hay (see rakes, sweep) 12144
Riddle rims.....12421
Riddles, foundry.....12407
miners' 12408
& sieves 12409
Ridge roll, plain or corrugated 12410
Ridgers, asparagus.....12411
Riding attachments for plows 200
galleries 5167
listers & drills.....7494
listers & drills, two row 7495
saddles 5946
sulky plows.....11202
Rifle ammunition, air... 155a
barrel drilling & reaming machines.....8915a
boxes 1269a
powder, black (see gunpowder) 5726
powder, semi-smokeless (see gunpowder) 5726
powder, smokeless (see gunpowder) 5726
scabbards 13006
sights 13633a
Rifflers 12412
Rifles, air.....12413
automatic, toy 12413a
dummy 12413b
guns, etc.....12414
scythe 12415
Rift flooring machines..8916
Rig irons.....6742
irons, oil & gas well..12416
Rigging, galvanized ships, wire rope.....16973a
galvanized steel, wire rope 16978b
screws 13219
ship 12416a
Right angle transmission 15875
Righting machines, can..7938
Rigid couplings (see couplings, shafting)..3310
Rigs, sawing, portable..12950
Rim bands 494
bending machines.....8917
bolts, demountable.....1069b
clamps, demountable (see bolts, demountable rim).....1069b
machines 8472
Rims, aeroplane steel.... 83
automobile 12417
bicycle 12418
carriage wheel.....12423
demountable (see rims, automobile) 12417
mirror 12419
motor cycle.....12418
motor truck.....12420
riddle 12421
sieve 12421
wagon wheel.....12423
wood 12422
& rings, pan grinder.12424
Ring augers (see bits, auger) 828
benders (see benders, angle & eye)..... 777
bolts 1099
clamps 2607
dies 3783
dogs 3875
dust felts 4627a
gauges 5310
grinders 5639
oilers 10266
oiling bearings..... 688
oiling hangers.....5904
oiling pulleys 11749a
packing 10470
platinum wedding.....11158a
spinning frame.....15179
travelers 15441
wheel grinders.....5640
& loop machinery.....8919

No.

Ringers, bell.....12425
fire bell.....12426
hog 12427
locomotive bell.....7571
Ringing apparatus telephone 14927
Rings, air brake.....12429
arcing 12430
band 12432
beer keg washer.....12433
beetle post, etc.....12434
binder 12435-6
bobbin 15014
brass 12437
breeching (see rings, harness)..12452a to 12456
bridle 12438
bull 12460
cable hanging (see hangers, electric cable) 5895
carbon packing.....1939
chemical 12439
clinch 12441
commutator 12442
crusher 12443
curtain pole 12444
"D" (see rings, binder)12435
distributing 12445
drapery, pole.....12444
electric lamp socket..12446
embroidery 12446a
filter press.....12447
flush 12448
forged (see rings, steel) 12478
fruit jar (see rubbers, fruit jar).....12798
furnace casing.....12449
grommet 12451
gymnasium 12452
harness 12452a
harness, bone.....12453
harness, composition..12454
harness, iron.....12455
harness, rubber.....12456
hatch 12457
hinge 12458
hitching 12459
hog & bull.....12460
hoist 12460a
hollow screw.....12461
key 12462
lap 12463
leather shafting.....12464
locker 12465
marble polishing.....12466
martingale 9594a
mooring 9928e
napkin 12467
neck yoke.....12468
net 12469
oblong (see rings, binder) 12435
oil 15301a
open 12470
pan grinder.....12424
piston 12471
plate 6415
plumbers' testing.....12472
pole 12473
rectangular (see rings, binder) 12435
rubber 12474
rubber packers & rings 12791
screw 12475
shower bath.....12476
shutter 12477
socket 12446
socket electric lamp..12446
spinning 15402
spiral 12477a
spring 12477b
square (see rings, binder) 12435
steel 12478
steel piston.....12479
teething 12479a
timer 12480
tool post.....12481
towel 12481a
trap door.....12482
trapeze (see ring, gymnasium) 12452
tunnel (see plates, tunnel) 11139a
umbrella 12483
welded 12485
weldless 12486
wire 12487
with staples.....12488
wood 12489
worm gear.....12490
& packers, rubber.....12791
Rinsing machines, bottle.7844
Rip saw machines.....8920
& band saw boring & spoke tenoning machines, combined....7726
Ripeners, cream.....12491
Rippers, gang.....5181
Ripping bars (see bar, carpenters, etc.)..... 563
Risers, stair, sheet steel.14100
& stair treads, slate..13747
& stair treads, stone..14348

No.
Rising forks.....4976
River dredges 3994a
Rivet busters.....12492
cements 2263
clippers 2699
cutting machy.....8920a
drilling machines.....8235
heading machines.....8921
heaters (see furnaces, rivet heating).....5114
heaters, electric. 6026a & 12492a
heating forges.....4933
heating furnaces.....5114
hole punches.....12015
hole reamers.....12205
holder-on, pneumatic.11299
machinery 8922
machines, wire.....9436
mfrs. 12493
mfrs. monel metal.....1045
rods 12580
sets 12494
sets, pneumatic.....11300
snaps 13797
spinning machines.....8928
tools 15771
wire 16966
& hoop applying machines 8924
& staple setting machines 8925
Riveted keys.....6891
pipe, spiral.....10965
steel pipe.....10956
steel pipe, hydraulic..10943
tanks 14791a
taps, spiral 14871a
track 15847a
Riveters, belting & harness repairing, etc..12495
hand power (see pneumatic compression riveters) 11271
pneumatic 11301
pneumatic boiler.....11264
pneumatic compression 11271
pneumatic jam.....11287
pneumatic yoke.....11325
steam-hydraulic 12496
& punches, combined..12497
Riveting burrs.....1703
cranes 3379
cranes, tower.....3382
dollies 3881
hammers 5789
hammers, rotary.....5790
machines 8926
machines, electric.....8927
machines, hand.....8929
machines, harness.....8429
machines, hoop.....8930
machines, hydraulic....8931
machines, hydraulic lifting 8932
machines, pneumatic (see pneumatic riveters, various kinds).
machines, portable.....8934
machines, rotary blow.8935
machines, spoke.....8936
machines, stake.....8937
machines, steam.....8938
presses 11617
tools (see pneumatic riveters, various kinds).
Rivetless chains.....2368
Rivets, aluminum.....12498
barrel 12499
belt 12500
boiler .....12500a & 12501
brake band.....12501a
brass 12502
braziers' 12503
bridge 12504
button 12505
car 12506
clinch, bifurcated.....12507
clinch slotted.....12508
coopers' 12509
copper 12502
draw bar 12511
galvanized 12512
hame 12514
hinge 12515
hose 12500
iron 12515a
nickel silver 12515b
Norway iron.....12516
nuts & bolts.....1044
phosphor bronze.....12517
platinum 12518
pronged 12519
ship 12519a
shovel 12520
slotted clinch.....12521
soft metal.....12522
special 12522a
steel 12522b
stove 12523
structural ....12504 & 12523a
tank .....12501 & 12523b
tinned 12523c
tinners' 12524
tire 12525
trunk 12526
No.
Rivets, tubular 12527
wagon box.....12528
wire 12529
Road binders & preservatives 12530
contracting car 2054a
culverts 3483
finishing machinery, concrete 8305a
graders 12532
levelers 12531
macadam (see contractors, building & general) 3044
machines & graders...12532
oilers or distributors..12533
oils (see road binders & preservatives.....12530
planers 11020
plows (see plows contractors') 11183
rollers, four cylinder gasoline 12618
rollers, horse power...12632
rollers, kerosene.....12633
rollers, reversible.....12631
rollers, steam.....12641
scarifiers 12534
scrapers 13118
scrapers, drag & wheel 12535
signs, automobile club..13656a
spreading carts.....2102
storage bins & measuring device.....12535a
Roasters, coffee & peanut 12536
& baking pans.....12537
Roasting furnaces.....5122
pans 10606
kilns 6913
Robe rails.....12120
Robes, carriage & lap..12538
motor car 12539
Robie jacks.....6791
Rochester kettles 6877b
Rock cars (see cars industrial) 2037
conveyors 3130
crusher castings.....2187
crusher grizzlies 5677a
crushers 3457
crushers, gyratory.....3458
crushers, hand power..3459
crushers, jaw.....3460
crystal Brazilian.....3465a
drill air cocks.....2836
drill couplings.....3309
drill cylinders.....3646
drill lubricators.....7639
drill sharpening machines 8940
drill sharpening tools..15772
drill sharpeners (see drill sharpening machines) 8214
drills, air (see pneumatic rock drills).....11302
drills, air hammer.....4054
drills, compressed air..4056
drills, electric.....4057
drills, electric air.....4058
drills, gasoline.....4059
drills, hand.....4060
drills, pneumatic.....11302
drills, steam.....4061
dryers, phosphate.....4135
phosphate 10828
salt mfrs.....12540
trap 15881
wool (see mineral wool) 9839
Rocker cut-off sawing machines 8941
dump cars.....2054b
furnaces 5115
Rockers blotter 12540a
carboy 12541
Rocking grates.....5575
Rod boring machines....7828
brass 1379
cutters iron bar & rod.3566
cutters rod & wire....3588
cutters shear & rod....3597
drawing machines.....8943
ends 4324
handles, fishing.....5839a
heading machines.....8942
heaters, electric 12541a
holders 6263
insulation 6657a
mill machinery.....8942a
mills 12541b
nuts 10218
or bar drawing machines 8943
packing 10471
pin & dowel machines.8944
steel umbrella.....14274
tongs 15684
& tube drawing machines 8945
& tube pointing machines 8946
Rods, aluminum..... 137
anchor 12542
awning 12543
bessemer 12543a
No.
Rods, bessemer coppered.12544
black steel.....12545
brace 12546
brake lever connecting 12547
brass 12548
bridge 12549
bronze 12550
camber 12551
carbon (see carbon mfrs.) 1939
carbon, welding 1941a
chair 12552
conductor 12553a
conduit wiring & cleaning 12554
connecting 12555
connecting, brake lever 12547
copper 12548
core 12556
curtain 12557
dock 12558
dowel .....3964 & 12558a
drill 12559
end measuring.....12560
eye 12561
fibre (see fibre, hard) .4680
fishing 12562
free cutting 12563
gauging & wantage....12564
gun cleaning (see tools, gun cleaning, etc.)..15735
guy 12542
hard fibre (see fibre, hard) 4680
hollow drill.....12565
hydrant 12566
iron (see rods, various kinds).
lease 15228
leveling 12567
lightning 7440
manganese bronze....12568
measuring 12570
mitre 12571
monel metal.....12572
morris chair.....12573
naval bronze.....12574
nickel 12574a
nickel silver 12574b
packing piston 10465a
phosphor bronze.....12575
pinion 12575a
piston 12576
platinum (see platinum, sheet & wire).11158
pump 12577
"Pyralin" 12577a
radius 12578
resistance 12579
rivet 12580
roller bearing 12581
roof 12549
rubber 12793
sash curtain.....12582
screw 12583
seat 12583a
sewer 12584
side 12585
silo 12586
stair 12587
steel 12588
steel hammer.....12604
stove 12589
sucker 12590
threaded 12591
tie 12592
"Tobin" bronze & copper 12593
towel 12594
truss (see rods, bridge & roof).....12549
umbrella 12594a
upset 12595
ventilator controlling.12596
vulcanized fibre.....12597
welding 12598
white metal.....12599
wire 12600
wiring & cleaning, conduit 12551
wood saw.....12601
yellow metal.....12602
zinc 12603
& bars, glass.....15191
& carbons, resistance.12376
& rams, steel hammer.12604
Roll bars & bed plates, paper mill engine...12605
copper 3181
coverers 15344
coverers' tools.....15345
cutting machines, music 8641a
feed presses.....11618
feeds 4611
files 4702
grinders 5641
grinding & corrugating 12606
grooving machines.....8948
hammer crushers 3461
jaw crushers.....3461a
paper cutters.....3589
paper trucks.....16040
protectors 11689
No.
Roll scraper knives.....7028
shells 13500
stock reduction shredders 13610a
straightening & finishing machines.....8949
tempering furnaces....5116
threading machines....8950
tin valleys.....16250
trains 15856
turners' plugs.....11228
turning lathes.....7293
-up straps 14464
wrapping paper.....10734
& rotary wire straightening machines.....9444
Rolled chrome steel shells 13501
glass 5468a
head punches.....12016
plate glass, rough ribbed & figured.....5469
sheet white metal....16839
steel pipe flanges.....4851
steel wheels.....16806
steel windows.....16887
thread screws.....13220
wire cloth...16920c & 17137b
Roller bearing automobile hubs.....6488
bearing axles.....16824
bearing bushings.....1721
bearing car wheels....16767
bearing hangers 5906
bearing lubricants.....7619
bearing parts..... 663
bearing rods 12581
bearing wheels.....16801
bearings 689
chains, steel bushed...2377
cloth 2751
coasters 12607
covering 3314b
covering machines....15346
grinding mills.....9817
hangers 5905
leather 15347
levelers for plates & sheets 7399
making machinery, printers' 8849
skate balls..... 471
skate parts.....12608
skate wheels.....16802
skates 13718
skins 15348
window screens.....13153
& block chain sprockets 14056
& pulverizer, combined 12609
Rollers, asphalt, steam.12639
awning 12610
barn door.....12611
barn door, stay.....12612
cable 12613
car curtain.....12644
car door lumber.....12614
caster 12614a
concrete 12615
copper printing.....15349
drawer, ball bearing..12616
fibre 12617
flue (see expanders, tube) 4481
flue, pneumatic.....11279
four cylinder, gasoline, road 12618
garden 12622
golf course, steam....12640
house movers'.....12619
incline 12620
land & field.....12621
lawn 12622
lawn mower.....12648
lumber 12623
mangle 12624
map 12624/
mine 12625
paper hangers'.....12626
paper machine.....12627
pipe 12628
printers' 12629
puddling 12630
pulley 12630a
reversible road.....12631
road, horse power....12632
road, kerosene.....12633
road, reversible.....12631
road, steam.....12641
rubber covered.....12634
sash 12635
shade 12637
skate 12637a
sliding door.....12638
steam asphalt.....12639
steam golf course.....12640
steam road.....12641
towel (see racks, towel) 12093
trolley 12642
wood 12643
& fixtures, car curtain 12644
& pinions 12645
& print blocks for wall paper 12646

INDEX

INDEX

No.

Rolling curtains, steel (see shutters, steel, rolling) 13616
hoops 6420a
ladders 7118
lift bridges 1474
machines, braid.....15023
machines, carpet.....15054
machines, cloth.....15066
machines, coupling....8144
machines, hoe.....8445
machines, screw cap...9031
machines, screw thread 9046
machines, scythe.....9048
machines, sheet lead...9085
mats, leather.....9610
mats, wood.....9617
mill cars 3954c
mill castings.....2138
mill conveyors.....3131
mill engines.....4405
mill feed tables.....14657
mill gauges.....5303
mill gears 5396
mill grease.....5593
mill housings, iron & steel 6486
mill machinery.....8951
mill machinery, brass & copper.....7871
mill machinery, gold & silver 8379a
mill nickel silver machinery 8648a
mill, pinions (see gears, mill) 5390
mill scales.....13047
mill trucks.....16041
mills, brass & copper.12647
mills, cold.....9777
mills, continuous.....12648
mills, iron & steel....12649
mills lead & zinc....12650
mills, phosphor bronze.12651
mills, plate.....9811
partitions, steel.....10747
partitions, wood.....10749
pins 10913
screens 13154
shutters, steel.....13616
shutters, wood.....13617
steel doors 3948a
steel fire doors.....3932a
& splitting machines, bandage 15004
& stoning machines, leather 8541
Rolls, adding machine..12652
bar 12652
beater 12654
belt conveyor 12655
bending, hand & belt power 12656
bending & straightening 12657
blue print.....12658
brass 12660
breaker 12661
bronze 12660
bullion 12662
card feed.....15350
chilled 12695
chilled calender.....12663
chilled, for rolling gold & silver.....12664
composition calender & paper machinery....12666
crimping & corrugating 12667
crushing 12668
dandy 12669
engravers' 12670
felt 12671
flaking 12672
fluted 15651
forged steel.....12673
forging & tapering...12674
grinding 12675
hand & belt power bending 12656
high carbon steel.....12676
hub band bending & truing 12677
ignition friction.....12678
jewelers' 12679
lap welding 12680
leather pressure.....12681
live 12683
merchant shapes.....12684
metallic drawing.....15352
music, perforated.....12685
oil mill.....12686
painting, for long length sheet metal.....12687
pinking 12689
pipe welding.....12690
plate 12691
plate bending.....12657
rail 12692
rubber 12694
sand & chilled.....12695
scrap reclaiming.....12696
shingle, embossed 13527
slugger 12697
smooth 12697a
special alloy.....12697a
stay 12698

No.

Rolls, steel 12699
straightening & bending 12657
street sweeper 12700
suction 12701
temple 15353
ticker (see rolls, adding machine) 12652
tin plate.....12702
tool, canvas.....12703
typewriter 12704
vacuum 12705
wood 12707
wringer (see rolls, rubber) 12694
Roman mosaics 3943
Roof bolts.....1061
brackets 1340
coating 12707a
cones 3024
flanges 4354
guards, snow.....12710
joint 12708
ladders, folding.....7115
putty 12040
rods 12549
signs, wire 13682a
slate variegated purple & green.....12738a
snow guards.....12710
trusses (see steel structural work).....14268
ventilating fans.....4538
ventilators 16486a
vents 16494a
washers 16650
Roofers' dollies.....3383
plastic slate.....12711
Roofing, actinolite.....12712
asbestos 12713
asbestos protected metal 12714
asphalt ready.....12716
asphalt slag.....12717
brushes 1561
burlap, back.....12716
"Burmite" 12718
canvas 12719
caps, tin.....1906
car 12720
cements 2264
chains 2369
composition 12721
compound 12722
cork 12723
duck (see cotton duck & canvas).....3251
edgers 4194
elaterite 12724
feldspar 12725
felt 12726
felts 4628
glass 5468b
gravel surface.....12716
iron & steel.....12753
kettles 6877c
"Leatheroid" 12727
machines 8952
mastic 12728
material, crushed brick 12729a
materials (see specific article required)
materials, asbestos....12728b
materials, asphalt....12716
mica plated.....12716
mops 9933
nails 10076
paints 10564
paper 10706
paper machines.....8953
paper saturated.....10705
paroid 12729
pebble surface.....12716
pitch 11006
plate metals, etc.....15612
rubber 12731
sand surface.....12716
seamers 13253
slag 13735
slate, asbestos (see shingles asbestos)...13530
slate, graduated.....12732
slate mfrs. 12733
slate, purple.....12734
slate, red.....12735
slate, sea green.....12736
slate surface.....12716
slate, unfading green.12738
variegated, purple & green 12738a
stone surface.....12716
strips 14492
terra cotta surface...12716
tile, actinolite.....12739
tile, cement.....12740
tile, concrete 12740
tile cutting machines..8954
tile, glass.....12741
tile machinery.....8955
tile machinery, cement (see cement shingle machinery) 7995
tile, metallic.....13742
tile, metallic, Spanish shapes 12742
tile, promenade.....12744

No.

Roofing, tile, reinforced (see roofing tile cement) 12740
tile, terra cotta.....12746
tile, terra cotta glazed 12747
tile, terra cotta, graduated 12748
tile, terra cotta, Spanish shapes.....12749
tin in rolls & sheets..12750
tin (see tin plate mfrs.) 15612
tin caps.....1906
tongs 15685
tools 15773
V-crimp 12751
"Vulcanite" 12752
zinc 17137b
& siding, iron & steel.12753
Roofs, floating 12753a
Rooms, drying (see clothes dryers).....2756
Root cutters.....8590
knives 8937
Rope asbestos (see asbestos materials)..... 254
belting 749
cableways, wire (see wire rope tramways) 16974
canal & tow lines....12754
cast steel switching (see wire rope & cables) 16975
clamps, wire rope.....2622
cleats 2689
coating (see wire rope coating) 16967
compound (see dressing rope) 4004
cotton 12755
cutters 3591
dowels 3969a
dressing 4004
drives 4087
driving drums.....4101
dumb waiter (see cordage & twine).....3196
fibre clad.....12756
fillers 4720
fire escapes.....4770
fittings, wire.4822a & 16968a1
haulage & transmission (see wire rope & cables) 16975
hay 12757
hemp 12758
hoists 6203
jute 12759
ladders 7119
lead 12760
locked coil & locked wire 12761
machinery (see cordage machinery) 3109
manila switch (see rope, manila transmission) 12762
manila transmission...12762
manila & sisal.....12763
meters 9732a
moldings 9894m
molding machines.....8956
paper 10707
plow, steel.....12764
power transmitting machinery 8848
pulley fly wheels.....16782
rawhide 12765
reels 12269a
rigging, yacht.....12766
sheaves, wire & manila13465
sisal 12763
slings, wire.....16973d
steel mast arm or arc light (see wire rope & cables) 16975
steel switching & wrecking (see wire rope & cables).....16975
steel (see wire rope & cables) 16975
switching, locomotive 12767
tarred (see yarn, tarred) 17119
tell tales.....14939
transmission 12767a
transmission, manila..12762
turnbuckles, wire.....16162a
wheels 16903
wire, galvanized 16969
wire hemp clad.....16969d
wire hemp core.....16969e
& cables, wire.....16975
Ropes, automobile towing 12768
wrecking 12768b
Rose chucking reamers.12190a
drill ends.....4067
Rosendale cements (see cement mfrs.).....3237
Rosettes, cutters 3592
chair 12769
electric 12770
"Geco" 12770a
harness 12771
"Standard" 12770a
turned wood 12772

No.

Rosettes & corner block machines 8957
& pickets, iron.....12773
& pickets, wood (see ornaments, wood)..10415
Rosin core solder.....13870
mfrs. 12774
mills 9818
oils 10331
sizings 13716a
varnishes 16457
Rosso Antico marble....9576
Rotary atmospheric dryers 4109c
bleaching boilers 1085
blow riveting machines.8935
blowers 947
chlorinators 2488a
circle shears 13441
converters 3080
coolers 3165
crushers 3462
cutters for drugs & spices 3593
drill hose 6466
drills, pneumatic 11303
dryers 4136
dryers, atmospheric....4109c
dryers, sand & gravel...4135a
dryers, vacuum 4145t
drying cylinders 3647
engines 4406
files 4703
flush switches 14602
gills 15354
hack saws 12978a
harrow attachments for plows 301
incinerators 6528
kiln brick 1454
kiln furnaces automatic 5117
kilns 6913
knives 7029
lead fans 4538a
mechanism billet 801a
mine dumps 4162
oil pumps 11900
pipe cutting shears...13442
planing machines.....8819
plows 11186
presses 11619
printing & rewinding machines 8958
pumps 11925
punching machines....8832
push button switches.14602
rapper for bench molders 12775
riveting hammers 5790
screens 13155
shear grinders 5642
shears 13440
shears, pipe cutting..13442
slitting shears 13443
snow brooms 1507
squeezers 14079
steam cloth presses...15326
tables sand blast.....12891c
tunnel cars 2055
underground ash receivers 12219
wind signs 13677
& pan sand dryers....12893a
& roll wire straightening machines 9444
Rotating, billet mechanism 801a
furnaces 5117a
Rotative dry vacuum pumps 11926
Rotor blocks 921c
Rotten stone 12775a
Rouge, powdered.....12776
Rough diamonds 3732a
diamonds, Brazilian ..1387a
glass for skylights....5470
plate & tile cathedral glass 5442
ribbed glass 5469
rolled plate glass.....5469
Roughing lathes 7294
Roughs, last & tenpin..12776a
Round belting 750
blanking dies 3762
corner card cutting dies.3786
cornering machines ...8959
dies, adjustable 3784
house & freight doors ..3933a
house smoke jacks...13789
punches 11981
tempered wire 16936
Roundels 12777
Roundhouse patented crane 3379a
Rounding machines, gear tooth 8364
machines, heading 8436
Rounds, chair 12777a
ladder 12778
ladder, miners'.....7110
Router bits 834
Routing cutters 3594
machines 8960
machines, stair 9187
Rovers & reducers.....15355
Roving boxes 1518
cans 1868
frames 15180
reels 15333a

No.

Row boat motors, detachable 9989
boats 993a
locks 12779
Royal Irish green marble 9577
Rub irons 6726
Rubber air beds.....3513
air cushions 3513
air pillows 3513
anti-rattlers 190
aprons 216
atomizers 14635
bags 410
balloons 441a
balls 472
band cutting machines 8961
bandages, surgical 487
bands 500
barrel bungs (see bungs, barrel) 1657a
bath curtains 3512
bath sprays 13981
battery jars 6808
belt conveyors 3132
belt making machinery 8962
belt slitting machines.8963
belt stretching machines 8964
belting (see belting mfrs.) 734
bibs, barbers' 796
bladders 857
blankets, hospital 875
boots 1153
bottles 1171
brushes 1562
buckets 1606
buffers 1629
bulbs 1648
bumpers & cushions..12780
bushings (see rubber goods mechanical)..12785
calendering machines..8965
coated cloth 2754
carpeting (see mats & matting, rubber).....9620
carriage cloth 1968
carriage drills (see carriage cloth, rubber & enamels).....1968
carriage drills, embossed (see carriage cloth, rubber & enamels) 1968
cement churns 2536a
cement mixing machines 8966
cement tanks.....14792
cements 2265
chair tips 15622
channeler springs 14032
chemicals 2441c
closet connections 3026
clothing 2763
coated cloth 2754
socks 2836a
copying press sheets...3193
cord 3194
corks (see stopples, rubber) 14373
covered cables (see wire rubber covered) 16976
covered lugs 7645
covered rollers 12634
covered wire 16976
covered wire panning machines 8966a
crude 12781
crutch tips 15622
curtains, bath 3512
cutting lathes 7294a
dental 12782
diaphragms 3735
dies 3787
doubling machines 8967
dryers 4137
elbows, plumbers'.....4206
emery wheels, vulcanized 4296
erasers 4436
factory equipment ...15640a
finger cots 4754
fittings, hard 4812a
flooring, sheet 4892a
force cups 3497
gas bags 5139
gas tubing tips.....15626
gaskets (see gaskets, gum, fibrous) 5207
glove molds, porcelain.9917a
glove molds, wooden..9925b
gloves 5511
goods 12783
goods, druggists' & surgical 12784
goods, hard (see rubber, hard) 12787
goods, mechanical ...12785
goods, moulded 12786
goods, plumbers'.....11251
grinding & mixing machines 8963
gun recoil pads.....5727
hand cups 3497
hard 12787

Rubber harness rings....12456
headed nails 10077
headed tacks 14691
heel nails 10078
heels 6071
horse shoe pads.....12788
horse shoes 13557
hose 6467
hose braiding machines 8969
hose making machines.8970
hose wiring machines..8971
hospital blankets 875
ice bags & caps.....12789
knives 7930
lined tanks.....14792a
machinery (see machinery, rubber, various kinds)
makers colors 2892a
makers' whites.....16840a
mallets 9527
mfrs., hand presses...11556
masticators 9601
mats & matting.....9620
mill hose machines....8967
mill machinery 8972
mill spreaders 13990
mill varnishing machines 9380
mill wrapping machines 9494
mineral 12790
mixers 9884
mixing machines 8973
molds 9919
oil well supplies.....10246
packers & rings.....12791
packing (see packing mfrs.) 10463
pails (see buckets, rubber) 1606
pigments 10868
plant sprinklers 14051
polish 11380b
powder blowers..... 946
presses 11620
pulley filling 13457
pump valves 11781c
quoits (see dumb bells & quoits) 4152
raincoats (see mackintoshes) 9505
reclaimed 12792
reclaiming machinery.8974
refining machines 8975
rings 12474
rods & sheets.....12793
rolls 12694
roofing 12731
saw bands 12794
scrap 13094
scrap mills 9819
sheave filling 13457
sheeting 13476
sheets 12793
shoddy washing machines 8976
shoes 1153
slitting machines 8977
socket bushings 13820
socket keys 6894
soles 13883
solution machines 8978
specialties, hard.....12794a
spikes 13923
sponge 13945
sponges 13947
spreading machines....8979
springs 14031
stair treads (see mats & matting, rubber)..9620
stamp gum 5719e1
stamp handles 5864a
stamp inks 6614
stamp makers' supplies 12795
stamp making apparatus 204
stamp racks 12086
stamps 14130
stationers' sundries ..14177
stopples 14373
straining machines 8980
strip-cutting machines 8981
substitutes 12796
suits, pneumatic pressure 12797
sundries, stationers'..14177
swimming collars 2874
syringes 14635
testing machines 9288
thread 15538
tile 15595
tile flooring 4891a
tiling, interlocking....15598c
tire applying machinery 8982
tire building cores.....3214
tire machines 8983
tire molds 9920
tire paints 10565
tired wheels 16804
tires 15648
tobacco pouches 15655
toys 15843
truck bands.....15991

Rubber tube making machines 8984
tubing 16113
tubing, cloth insertion 16114
tubing, hard rubber..16105
tubing machines 8985
tumblers, hard rubber 16144
turned wood mold.....9920a
type 16211
valve balls.....16252
valve seats 11781c
valves 16384
varnishing machines ..8986
vulcanizers 16550
vulcanizing machines..8987
vulcanizing presses, (see presses, vulcanizing) 11659
warming machines ...8988
washers 16651
washing machines 8989
water bottles 16670
window cleaners (see cleaners, window)...2679
Rubberized asbestos, insulating 6648
fabrics 4523a
Rubbers, car window (see cleaners, window) 2679
fruit jar 12798
sling shot 12799
Rubbing beds, stone, slate, etc. 12800
felts 4628a
grains & bricks 5555
machines, pneumatic ..8990
machines, shoe seam..9100
oils 10332
polishing & sanding machines 8991
stones 14356
varnishes 16458
Rubbish burners.....1692
cans 1869
grinders 5642a
Ruching ruffling machines 8992
Rudder braces 1317
Rudders, brass & galv'd. steel 12800a
galvanized iron 12801
Rug beaters 696
exhibitors 4478
fasteners 4567
looms 15263
poles 11369
racks (see exhibitors, rug) 4478
Rugs, automobile 12802
congoleum 12803
steamer 12804
Rule, bending vises 16539
clamps 2609
perforating, cutting & creasing 12805
wire 16977
Rulers, advertising, wood (see advertising novelties) 79 & 12805a
hard rubber 12806
school & desk 12807
Rules 12808
aluminum 12809
blacksmiths' 12810
caliper 12811
desk 12812
extension 12813
folding 12814
folding boxwood 12815
glass cutters' 12816
key-seat 12817
lumberman's 12818
machine, divided steel 12819
machinists' 12820
plumb 12821
pocket 12822
printers' brass 12823
printers' make-up 12823a
scale & shrinkage....12824
slide 12825
steel 12826
steel metric 12827
tinners' 12828
& yard measures.....9651a
Ruling machines 8995
machines, paper 8734
pens 10810
Rum distillers 3856
stills 14312
Rumblers, cork 2667
Rumbling barrels 538
mills 9829
Rungs, ladder 12829
Runners, joint 12830
sled 12831
Running board hangers..5910
board plates.....11145a
board treads.....11145a
boards, automobile ..12832
Runs, ice 12833
Runways, crane 3346
poultry 12833a
Rural mail boxes 1270
mail wagons 16588
Russia iron 6703

Rust preventives 12834
proof paints 10566
proofing 12835
proofing compounds ..2946
removers 12835a
resisting iron 6704
Rustic woodwork 12836
Rustless hardware, builders' 5918
screens, wire 13165b
Ruthenium 12836a
Rutile 12837
Rye threshers 15549
"S" hooks 6374
wrenches 17098
wrenches, adjustable..17092
& D ½" shank twist drills 4072d
S. A. E. nuts.....10215a
S. S., control whistles..16828a
Saccharine 12838
Saccharometers 12839
Sack balers 438
cleaners 2671
holders (see holders, bag) 6218
needles 10108
paper 10708
Sacking machines, cement 7993
scales, automatic 13048
valves 16385
Sacks, cotton (see bags & bagging) 426
ore 12842
paper, cement & flour (see bags, paper).... 405
Sad iron handles.....5865
iron heaters 6042
iron stands 14157
irons 12843
irons, electric 12844
irons, gas 12843
Saddle chimes 2449
oiips 2714
Saddle nails 10079
seat machines.....8996
stirrups, iron 14329
Saddlers' compasses.....2916a
hammers 5791
presses 11558
punches, drive 11981
punches, revolving tools 15573a
Saddlery felts 4629
hardware 5935
machinery (see harness machinery) 8428
tassels 14887
tools 15736
trimmings (see trimmings, harness) ...15961
Saddles, bicycle 12845
boiler, pressed steel ..1013
door (see thresholds).15551
gig 12846
horse 5946
lubricating 15356
motor cycle 12845
pipe 12847
riding (see harness, saddles & strap work mfrs.) 5946
tank 12848
& fixtures, tension....15357
Saddletrees 12849
Safe deposit boxes 1271
deposit locks 7556
deposit screens 13129
ends, boiler tube 12850
steel 14240
Safes, "A" & "B" label..12851
express car.....12852
filing 12853
fire & burglar proof..12854
house 12855
light weight 12855a
manganese steel 12856
match 12857
receiving 12858
wall, built in 12859
& vaults (wall).....12860
Safety bags 411
benzine cans (see cans, non-explosives) 1857
car guards 5702
catches for mine hoists, skips & cages 2211
chains 2370
couplings 3309
deposit boxes 12861
devices, machinery 5708
devices, punching press 12862
flanges, emery wheel..4855
fuse 5156
garments 12862a
gas valves 16316
gates 4240
gates, elevator (see elevator gates, automatic) 4240
hooks, cargo 6314a
hooks for mine cages..6375
lamp oils 10333
lamps, miners' 7199
locks, elevator 4247
magnets 9516

INDEX

INDEX

No.

Safety oil cans.....1857
paper, bankers' 10625
pin machinery 8997
pins 10914
razor blade sharpening machines 9081
razor blades 865
razor boxes 1271a
razor mfrs. 12176
set collars 2875
set screws 13220a
shaft oilers 10269
stair treads 14106
stops, elevator 4248
straps, telephone & telegraph poles 12863
switches & frogs 14617
treads wrought steel..12863a
treads (see stair treads, various kinds)
valves 16386
water columns 16680
Saggers fire clay 12863b
Sail twine 16204
Sailmakers' sewing machines 9071
tools 15774
Sailors' palms 10578
Sails, yacht 12864
Salamanders 12866
Sal-ammoniac 12867
Salesmen's cases 2125
Salicylamide 12868a
Salicylate amyl.....156a
magnesium 9509d
methyl 9742a
sodium 13857b
Salicylic acid, acetyl 21a
Salinometer pots 11438
Salmon knives 7031
Salol 12869
Sal-soda 12870
Salt, agricultural 12871
bags 412
Salt boxes 1272
brick glazed 1454a
cake 12872
compressing presses..11621
dryers 4138
elevators 4287
finishing 12873
making machinery.....8998
mfrs. 12874
mining, mixed bromides & bromates 9843
pans 10607
recovered 12874a
rock 12540
shakers 13377
track 12874b
water evaporators 4454
well machinery 8999
Salting machines, can ..7939
Saltpetre 12875
chile (see nitrate of soda).....10155
Salts, aniline 12880
antimony 188c
barium 517a
bismuth 824c
cadmium 1787e
chemical 12881
cinchonidine 2546a
copper 12882
effervescent 12882b
epsom 12882a
glaubers' 12883
gold 5526a
insulating (see soldering flux, etc) 13874
lead 7345b
lithium (see chemicals)2437
manure 12884
nickel 12885
nickel, double (see nickel sulphate)....10127
of silver 13700c
of uranium 16242a
platinum 12886
sodium 13858
soldering 13874
tin 15614
zinc 17138
Salve boxes 1272a
Sample card machines..15358
cases 2126
cases, jewelry.....12887
cases & bags 12887a
ore grinders 5643
trunks (see trunk mfrs.) 16057
Samplers, coffee, etc. ..12888
grain 12889
ore 12890
Sampling mills, ore 9310
Sand, bands 501
belt splicing dies 3789
blast abrasives 1a
blast accessories 12890a
blast apparatus 12890b
blast cabinets.....1764b
blast cars (see sand blast equipment) ..12891
blast equipment 12891
blast exhaust systems.12891a
blast glass 5471
blast goggles 5524
blast hose 6467a

No.

Sand blast machines.....9000
blast nozzles 10179
blast revolving barrels.12091b
blast rotary table.....12891c
blast sand 12902
blast steel shot 13578
blast systems 12892
blast tumbling barrels. 539
blasting gloves 5511a
blasting helmets 6074
boxes 1273
cars (see cars, industrial) 2037
chutes 2543
conveyors (see conveyors, coal & ash handling) 3103
core 12893
dealers 12907
drums 4102
dryers 12908
dryers, rotary & pan..12893a
elevators (see conveyors, gravel & sand).3103
excavating & screening plants, portable.12894
feed stone sawing pumps 11927
filtering 12895
filters 4745
fire 4785
foundry 12900
furnace 12896
glass makers'.....12897
granite 12898
grinders 5644
handling buckets.....1607
handling plants.....12899
handling plants, foundry 4994a
heaters 12908
hoists, pneumatic.....6209
levee bags..... 413
lifting & jet water eductors 4196
-lime brick.....1455
-lime brick machinery.9001
mixing machines.....9002
molding 12900
molding machines.....8633
painters' colored.....12900a
paper 12900b
also paper, flint, sand, emery) 10663
paper belts 760
paper making machinery 9003
papering machines ...9004
plants, complete (see sand handling plants) 12899
plugs, plumbers.....11226a
pumps 11928
pure white.....12901
rammers (see rammers, foundry) 12146
rammers, pneumatic..11304
reels 12270
revivifiers 12393a
rolls 12695
sand blast.....12902
screens 13156
scrubbers 13240a
sifters 13630
silica 12903
sprinklers 14053
stone sawing.....12904
storage tanks.14793 & 12905
sucker hose.....6468
surface roofing.....12716
towers 12905
washers 12906
Sandals, asphalt.....12910
Sandarac gum 5719f
Sander machines, molding 8633
& boring machines....9005
Sanders, belt 12911a
car 12911
locomotive 7580
spindle 12911b
Sanding drums, pneumatic 4100
machine floor 7663b
machinery 9006
machines 15359
machines, belt.....7751
machines, brick mould.9006
machines, disc.....8184
rubbing & polishing machines 8991
& finishing machines, curtain pole.....8165
& polishing machinery.9007
Sanitary bags..... 414
barn equipments..... 521
blue lathed nails.....10045a
can making machinery.9008
closets (see water closet mfrs.) 16671
drinking fountains.....4996
earthenware machinery 9009
earthenware, plumbers' 11252
engineers 4346b
flooring 4892

No.

Sanitary glass, structural.5476
paper goods.....10669
sugar bowls 1178a
washbowls 16619
Sap pails.....10514
spouts 13976
stain preventative....12912
Saponifier 12913
Sardine canners (see canned goods).....1829
knives 7032
scissors 13069
Sash balance mfrs.....12914
bars, metallic.....9683
bars, wood & metal combined 12915
bolt & support.....12916
bolts, ventilating.....12917
centers 2280
chain fasteners 4567a
chain machines.....9010
chains 2371
chains, attachments for 2371a
clamps 2575
cord irons.....6744
cord mfrs., steel.....12917a
cord mfrs., steel wire.12918
cords 3202
curtain rod hooks.....6376
curtain rods.....12582
door & blind machinery 9011
door & blind mfrs...12919
dust 12948
English casement.....12920
fasteners (see locks, sash) 7557
greenhouse & hot bed..12921
grooving machines.....9012
hangers, storm... 5911
holders 6264
lift ventilators.....16487
lifts 7426
locks 7557
locks, fireproof.....7558
locks, ventilating.....7559
metal 9678
metallic .....16867 & 9678
opening apparatus....12922
operating device 12922
pins 10915
pivots, window.....16874
props 11688
pull hooks 6377
pulley mortisers (see pulley mortising machines) 8858
pulleys 11750
ribbon 12403
rollers 12635
steel (see window frame & sash wrought steel) 16868
storm (see storm doors & windows).....14388
ventilating locks.....7559
ventilator openers for cars 10369
weights 12923
window (see window frame & sash, various kinds).
window, reversible....16875
wrought steel.....16868
Satchel baskets..... 616
Satchels, letter carriers', etc. 12924
Satin white.....12925
Saturated roofing paper.10705
tarred felts.....4631
Saturating compounds (see compounds, impregnating) 2939
machinery for paper mills 9014
pots 11439
systems, waste.....16664
Saturation plants.....1951
Sausage making machines 9015
meat mixers.....9885
stuffers 14509
Saver, coal 2784b
Savers gasoline fuel....12926
waste 15465
Saving, life, appliances..7413a
machines, waste 9394a
Savings banks..... 507
Saw arbors..... 219
bands, rubber.....12794
benches or tables.....12927
blades, band & jig....12928
blades, cold.....12929
blades, hack, flexible back 12930
blades, hack, for metal 12931
blades in coils.....12931a
blades, stone, steel...14346
blades & frames, hack 12932
bolting machines.....7796
brazing clamps 2611
brazing tables.....14658
brazing tongs.....15686
bucks & frames.....12933

No.

Saw clamps 2610
coils, butchers'.....12934
collars, shingle.....2876
dust 12948
dust conveyors.....3133
dust grinders 5645a
filing & setting machines 9016
fitting machinery.....9017
frames 12933
gauges 5320
grinders 5645
grinders, band saw....5608
guards 5703
guides 5714
gummers 5723
handles 5866
hardening furnaces....5118
makers' anvils..... 203
-makers hammers 5792
making machinery.....9018
mandrels 9535
mill carriages.....1975
mill conveyors.....3120
mill dogs.....3876
mill feeds, steam.....12935
mill hogs.....6165
mill machinery.....9019
mills (see lumber mfrs.) 7648
mills, band.....12936
mills, circular.....12937
mills, drag.....12938
mills, gang.....12939
mills portable.....12940
punches 12017
punches, butchers'....11987
re-toothers (see saw stretching machines).9022
rigs, portable (see sawing rigs, portable).12950
rounding machines....9020
screws 13221
sets 12941
setting hammers.....5793
setting machines (band saw) 7721
setting machines (filing & setting).....9016
sharpeners 13393
sharpening machines...9021
sharpening machines (cold saw).....8084
slashers 12942
steel 14241
stretching machines...9022
swages 14551
tables 12927
tables for metal.....12943
teeth 12944
teeth, diamond.....12945
trimmers (see printing presses & machinery)8851
tools (see specific article required).
tooth jointers.....6826
vises 16540
wedges 16727
& chuck machines....9023
& hook pruning.....12946
Sawing machines, band, for metal.....7723
machines, band, for wood 7724
machines, band sprue..7725
machines, bevel.....7765
machines, blind slat...7780
machines, book.....7806
machines, brass.....7870
machines, cardboard, wood 7974
machines, cleat.....8044
machines, cross cut (see drag sawing machines) 8205
machines, drag 8205
machines, electro & linotype 8269
machines, foot power..8330
machines, gang, wood..9466
machines, granite.....8385
machines, handle blank 8421
machines, heading.....8439
machines, hot.....8470
machines, iron shop...8082
machines, metal.....8082
machines, metal jig...8588
machines, metal power 8589
machines, pattern shop.8753
machines, pole.....8837
machines, rail.....8902
machines, scroll.....9047
machines, shingle.....8439
machines, stave.....9198
machines, stone.....9212
machines, stone, gang.9210
machines, variety.....9375
machines, wood.....9476
machines, wood circular 9477
machines, wood, gang..9466
outfits, wood.....17032a
rigs, portable.....12950
rigs, portable rip swing cross-cut 12951

No.
Sawing & clamping machines, mitre.....8625
& splitting machinery, wood 9478
& splitting machines, cord wood.....8505
Saws 12952
back (see saws, mitre box) 12989
band 12953
band sprue (see band sprue sawing machines) 7725
barrel stave.....12954
bilge 12955
blind slat.....12956
bracket 12957
buck 12958
butchers', etc.....12959
chamfering 12961
circular 12962
circular, for metal....12963
circular milling.....12963a
circular slate.....12964
circular stone.....12965
cold (see cold saw cutting-off machines)...8082
compass 12966
concave 12967
coping 12968
cross-cut 12969
cylinder 12970
dehorning 12971
diamond 12972
drag (see drag sawing machines).....8205
drop 12973
electric driven.....12974
endless chain.....12975
flexible back hand (see also saw blades, hack & flexible back)....12930
gang 12976
gang, stone & slate (see stone sawing machines) 9210
grooving 12977
hack 12932
hack bench.....12978
hack, rotary 12978a
hand 12979
hand hack 12980
heading 12998
hot, cut-off (see hot sawing machines)....8470
ice 12982
inserted teeth 12983
jewelers' 12984
jig 12985
keyhole 12986
kitchen 12987
metal slitting.....12988
mitre box 12989
overhead cut-off.....12990
piercing 12991
plumbers' 12992
pruning 12993
rail & shop.....12994
screw slotting.....12995
scroll 12996
segment 12997
shingle & heading....12998
slate, circular 12964
stone, circular.....12965
stone, cutting.....12999
structural steel shapes 12999a
swing 13000
veneer 13003
web 13004
whip 13005
wood (see wood sawing machines).....9476
Scabbards 13005a
knife & rifle.....13006
sword 13006a
Scaffold brackets, folding 1333
brackets, slaters'.....1343
brackets, steel.....1345
builders' 13007
hoists 6210
irons, painters.....6733
ladders, extension.....7113
Scagliola work (see marble, artificial).....9561
Scalders, hog.....13008
tomato, for canneries.13009
Scale boxes.....1274
cars 2055a
copper 3182
dials 3731
feeders, automatic self-weighing 15155
glass, computing 5449a
iron 6705
rules 12824
scoops 13081
test cars.....2056
wax 16708
& shrinkage rules....12824
Scaler, boiler, pneumatic 11265
Scalers fish.....13010
Scales, abbatoir (see scales, beam).....13014
armor plate (see scales, rolling mill).....13047
No.
Scales, automatic.....13012
automatic coal.....13018
automatic weighing, conveyor 13021
automobile truck (see scales, platform or wagon) 13042
bag & barrel, (see scales, platform, or wagon) 13042
balance (see balances, spring) 436
balancing, for planer knives 13031
band tension.....15360
barometer 13055
bathroom 13013
beam 13014
boiler room 13052
bullion 13015
butchers' suspension..13016
cattle 13051
cement testing (see testing machines, cement) 9275
charging 13017
chemists 13026
coal 13042
coal, automatic.....13018
coal mine (see scales, miners & transportations) 13038
coal tipple (see scales, tipple) 13056
coal, traveling.....13019
computing 13020
conveyor, automatic weighing 13021
cotton 13022
counter 13023
crane (see scales, suspended, for boiler rooms) 13052
crane or suspended...13052
creamery 13023a
cutlery 13023b
dairy 13024
dormant 13025
dramming 15361
druggists' & chemists'.13026
dump 13027
elevator 13028
family 13029
fluid (see scales, liquid or oil, weighing)...13037
for balancing planer knives 13031
for drawing.....13032
foundry (see scales, beam) 13014
garment, lever balance 15362
glass blowers' 13033
grain testing.....13034
handle 5809a
hopper 13035
ice (see balances, spring) 436
jockey 13036
liquid & oil weighing.13037
miners' & transportation 13038
mitre 9857
moisture 13039
motor truck.....13039a
oil (see scales, platform or wagon).....13042
oil weighing.....13037
packing house (see scales, beam).....13014
paper 13039b
parcels post.....13040
picker lap 13040c
pig iron, etc. (see scales, rolling mill).13047
pitless 13041
platform 13042
platform, portable...13043
portable suspension..13044
postal 13045
railroad track.....13057
revolving 13046
rolling mill.....13047
sacking, automatic...13048
shipping & receiving..13049
silk trip.....13050
spring (see balances spring) 436
springless dial.....13050a
stock 13051
suspended, for boiler rooms 13052
talking 13053
testing 13054
thermometer 13055
tipple 13056
track 13057
transportation 13038
traveling coal.....13019
trolley track 13058
wagon .....13042 & 13051
yarn 15363
Scaling hammers, pneumatic 11305
Scallop knives.....7033
machines 15364
Scalloping & pinking machines 8787
No.
Scalpers, corn mill.....13060
Scalping reels.....12271
& cleaning shoes.....13562
Scarfer knives.....7034
Scarfing machines.9025 & 15365
machines, belt.....7752
machines, plate.....8829
Scarifier teeth.....14902
Scarifiers, road.....12534
Scavenger wagons (see wagons, garbage)..16570
Scenic artists.....13063
railways (see locomotives & railways, miniature) 7598
School bags..... 415
bells 711
crayons, wax & oil.....3413
desks (see furniture, school) 5151
furniture 5151
house hooks.....6322 & 6323
room heaters 6042a
rulers 12807
slates 13750
supplies 13064
ventilation (see ventilating apparatus)..16475
wagons 16589
wardrobes, ventilated.16615
water closets.....16676
& toy specialties.....13905
Schools, engineering.....4332
mechanical 4332
Scientific instrument jewels 6815
instrument movements 10023
instruments 6640
measuring machines ..8579b
Scissors, cigar cutter (see cutters, cigar).....3544
fluting 13066
grinders 5628
manicure 13067
poultry 13068
sardine 13069
& shears.....13455
Scleroscopes 13070
Scoop cars.....2056a
mfrs. 13580
trucks 16042
Scoops, boat 13071
candy 13072
cheese 13073
coal (see shovels, spades & scoop mfrs.).....13580
corn 13080
family 13074
furnace 13075
grain 13076
grocers' 13074
ice 13077
ice cream (see dishers, ice cream).....3846
locomotive 13079
potato, corn, etc.....13080
scale 13081
ship 13081a
tunneling 13082
wooden 13083
Scooters 13085
Scorifiers 13085a
Scoring machines, box board 7854
machines can.....7940
Scotch boilers (see boilers, marine) 1029
Scourers, wheat & buckwheat 13086
Scoured wools.....17045
Scouring cork.....3220
machines, hair.....15365a
machines, wool.....15366
machines, yarn.....15367
powders 11462a
& buffing machines, shoe tip.....9104
& polishing machines, grain 8384
& polishing machines wheat 9403a
Scow builders.....13087
machinery 9027
fueling 13088
Scrap aluminum.....13090
brass 13089
breakers 1389
copper .....13090 & 3182a
cutting machines, tobacco 9333
iron 13091
lead 13092
leather dryers.....4129
melting furnaces (see furnaces, steel melting) 5124
metal presses 11622
mills, rubber 9819
monel metal 9927d
paper 13093
reclaiming machines 12696
reclaiming rolls.....12696
rubber 13094
shears 13444
steel 13091
tin 13095
No.
Scrap wire bundling machines 9028
zinc 13096
Scraper bucket excavators 4459
buckets, clam shell....1608
buckets, drag line.....1592
buckets, excavator....4459
buckets, self-loading power 1610
chains, hog.....2342
conveyors 3134
crumb 3447
heads, coke.....5990
hoists 6210a
knives 7035
sets, carbon 13097
Scrapers, bakers'..... 13098 & 13105
bearing 13099
boiler flue or tube.....2648
box & plumbers'.....13100
broom corn 13101
butchers' block.....13102
cabinet, etc.....13103
carbon (see scraper sets, carbon).....13097
coal storage 13103a
coke 13104
confectioners' 13105
cotton 13107
drag road.....12535
floor 13108
foot 13109
hog 13110
ice cream can.....13111
kettle 13117
machinists' 13112
miners' 9841
painters' & paperhangers' 13113
placer dredging.....13115
plate 13116
plumbers' 13100
pot & kettle.....13117
power drag 13117a
road, drag & wheel....12535
road & pavement.....13118
ship 13119
sidewalk (see cleaners, pavement) 2668
sleet 13119a
snow, for cars.....13120
stamping huller 14122a
stove 13122
street 13123
sweat, for horses.....13124
track 13124a
tractors 13124b
tree 13119
tube 2648
wall 13125
wheel road.....12535
wire 13126
Scraping machines, floor.8316
machines, wood.....9479
tools 1577b
Scratch awls..... 340
brush wire.....16978
brushes, plain 1555a
brushes, wire (see brushes steel wire)..1572
gauges 5300
Screen cloth, window (see wire cloth window screen) 16921
diaphragms, paper makers' 3735a
door braces.....1318
door brackets (see braces, screen door).1318
door catches.....2209
door checks.....2432
door hardware.....5935a
door hinges.....6117
door hinges, holdback..6119
door latches.....7241
door pulls.....11764
door sets 13128
door spindles 13930a
door springs 14033
door turnbuckles 16162
doors 13165
frame corners 3237
hangers 5911
knobs 7074
nails 10085
plate fasteners 4568
plates 11124
wire 16979
Screened limestone 7460
Screening machinery....9029
outfits, portable.....11389
paper 10709
plants, coal & coke ..2786
plants, gravel.....5588
& excavating plants, sand, portable 12894
& washing plants, gravel 5588
Screenings, stone 14347
Screenless sizers 13715
Screens, bagging 13128a
bank counter 13129
bar 13130
car 13131
card 15368
clay & cement 13132

INDEX

INDEX

No.

Screening, coal.....13156
cylindrical 13133
decorative 13134
diaphragm 13135
door 13165
fat & bone washing, etc. 13137
filter 13139
fireplace (see fireplace furnishings) 4777
fish 13140
for water works 13141
foundry 13142
gravel 13156
gravel washing 13143
gravity 13144
grizzly 13144a
insect wire 13144b
laboratory 13144c
manganese steel 13145
mining 13146
outdoor sleeping room 13146a
oyster 13146b
paper mill 13147
perforated, for coal, etc. 13148
perch 13149
projection 13150
radiator (see radiator shields) 12098
revolving water 13151
revolving & shaking..13152
roller, window 13153
rolling 13154
rotary 13155
safe deposit.....13129
sand 13156
sewage 13157
shaking 13152
steam pipe covering..13158
stone (see screens, revolving & shaking) 13152
suction 13159
sugar 13159a
traveling belt 13160
vibrating 13162
vibrating, electric 13162a
well 13163
window 13165
window, metal frame.13164
window, roller 13153
wire centrifugal 13165a
wire, rustless 13165b
& sieves, fanning mills.9789

Screw anchors 163
anchors, expansion ... 164
blank heading machines 9030
blanks 883
bolts 1100
calks, removable 1807b
cap rolling machines..9031
caps 1907
cases 1046
chasers 2424
clamps 2612
conveyors 8135
cutting dies 3790
cutting gauges, universal 5342
cutting lathes 7295
cutting machines 9032
cutting oils (see oils, cutting & polishing) 10297
driver bits 340
driver ferrules 4669a
driver handles 5867
driver mfrs. 13166
driver & cork screw combined 13167
driver & holder 13168
drivers, automatic ...13169
drivers, electricians' (see screw drivers, insulated handle & ratchet) 13172
drivers, flexible shaft.13170
drivers, folding 13171
drivers, insulated handle & ratchet 13172
drivers, jewelers' 13173
drivers, motor driven..13174
drivers, railroad spike.13175
driving machines 9033
extractors 4506a
eyes 13176
head nails 10030
heading machines 9034
holes 6285
hitchings 6148
hook & eye hinges 6130
hook & strap hinges..6131
hooks 6378
jacks 6792
machine chucks 2524
machine parts 13176a
machine products 13177
machine tools 15776
machinery, wood 9480
machines 9035
machines, automatic ..9036
machines, gimlet pointing 9037
machines, hand 9038
machines, multiple spindle 9039
mfrs. 13178
pitch gauges 5322

No.

Screw plates 13179
plates, automobile ..13180
plates, metric 13180a
pointing machines 9041
presses 11623
pumps 11929
punches, boilermakers'.11985
punching machines....8883
rings 12475
rods 12583
shaving machines 9043
shells 13501a
slotting cutters 3595
slotting machines 9044
slotting saws 12995
spike driving machines 9045
spikes 13924
stock steel 14242
taps 14868
thread rolling machines 9046
threads 15543
tips 15631
tops, bottle 13181
tops, tin 15802
washers 16630a
wire 16966
wire, brass & bronze..16904
wrenches 17071
wrenches, cap 17061a
& nut eye bolts 1100
& nut ring bolts 1095

Screwing machines, coupling 8145
machines, nut & bolt..7794
machines, pipe 8794a

Screwless door knobs....3901

Screws, ball cock connection 13182
bed 13183
bench 13184
bibb 13185
bicycle 13186
brass 13187
brass machine 13188
brass & iron machine 13189
bronze 13187
building movers' 13190
can 13191
cap & set 13192
capstan 13193
closet 13216
clock 13233
coach 13194
collar 13195
cork 3221
dowel 13234
drive 13234
feed 13196
for electrical trade ..13197
gib 13199
gill 15189
gun 13200
hand 13201
hand rail 13202
hand saw (see screws, saw) 13221
hanger 13203
headless 13204
hollow set 13222
hook & eye 13205
house raising (see screws, building movers') 13190
jack 13206
jack, cable reel.....13207
jewelers' 13233
knob (see screws, wood) 13234
lacquered ....13187 & 13234
lag .....13194 & 13207a
lead 13208
leveling 11145
lifting 12153
long 13209
machine 13210
machine, brass 13188
milled 13210a
monel metal 13210b
nickel silver 13210c
optical 13211
ore washer 13212
pad .....13213 & 10479
pattern lifting 13214
phosphor bronze 13215
plated.....13187 & 13234
plumbers' 13216
power, lead & feed...13217
press 13218
rigging 13219
rolled thread 13220
safety set 13220a
saw 13221
set 13193
set, hollow 13222
sheet metal 13223
shutter 13224
side knob 13225
skein 13226
special 13227
stop bead 13228
stud 13229
telegraph pole.....13230
thumb 13231
tobacco 13232
watch 13233
water closet 13216
wood 13234

No.

Screws, wooden 13235
& bolts, special 1130a
& washers, window stops 16830
Scribers, adjustable, etc.13236
machinists' 13237
Scribes, timber 13238
Scroll chucks 2525
handle machines 8424
mills 9820
punches 12018
sawing machines 9047
saws 12996
shears 13445
Scrolls, transfer (see ornaments, transfer)..10414
wood 13239a
Scrubbers, ammonia (see **purifiers & scrubbers, gas)** 12030
floor 13240
gas 12030
stone & sand.....13240a
Scrubbing brushes 1563
machines, floor 8317
machines, keg 8502
machines, leather 8542
Scuffle hoes 6164
Sculptors, architectural..9889
Scuppers 13241
Scutchers 15369
Scutches, bricklayers...13242
Scuttle fasteners 4569
Scuttles, ship 13242a
Scythe mfrs. 13243
rifles 12415
rolling machines 9048
snaths 13244
stones 14357
Sea green roofing slate..12736
moss 9948
oils, animal 10334
Seacoal 13245
Seal oils 10335
oils, mineral 10316
presses 11624
presses, lead 11588b
Seale lay wire rope.....16973c
Sealing machinery 9049
machines, bottle 7845
machines, carton 7979
machines, envelope....8279
machines for pay envelope 9049a
machines, milk bottle..8591
plugs, conduit 11214
presses, car 13250
wax 16705
& labeling machines, package 8683
Seals, case & box.....13246
embossed 13246a
jar 13246b
lead 13247
meter 9705
shipping case 13248
tin 13249
& sealing presses, car.13250
Seam face granite.....5565
Seamers, roofing 13253
Seaming machines 9050
machines, can 7941
machines, furnace pipe.8346
machines, shoe 9101
& folding presses 11540
Seamless gas cylinders...5191c
knitting machines 15224
nickel plated tubing, plumbers' 11253
one-piece glass enameled tanks 14793a
shafting, hollow steel.13363
steel forged couplings..3298
steel forgings 4958
steel shafting, hollow.13363
steel shells 13502
steel tanks 3655
steel tubing 16115
steel tubing, cold drawn 16098
steel tubing, hot rolled.16106
tin boxes 1275
tinware making machinery 9316
tube rolling plugs....11229
tubing machines 9051
Seaplanes, aeroplane, etc. 83
Searchlight carbons 1958
mirrors 9853
Searchlights (see projectors or search lights) 11684
acetylene 13254
electric (see projectors or searchlights).....11684
Seasoning machines, leather 8543
Seat milling machines, **valve 9370**
planing machines, valve 9371
rods 12583a
spring hooks 6379
Seating assembly.....10370
car (see car seats, chairs, etc.) 1928

No.

Seating, church (see furniture, church).....5140
theatre 10370
veneer 13257
Seats, agricultural implement 13258
automobile 13259
bath tub 13260
buggy, steel 13261
carriage 1002
chair 13262
closet 13263
elevator, folding 13264
folding 13265
motorman's 13266
pole 13267
spindle, carriage 13268
stoop 13269
theatre 10370
third (see seats, folding) 13265
valve 13270
valve ball 16256
wagon 1002
water closet 13263
& plugs, acid 46
Second hand bags 416
-hand barrels..... 533
-hand building materials 1643
-hand cars 2057
-hand contractors' supplies 3051
-hand locomotives (see railroad equipment, second-hand) 12115
-hand machinery dealers 9501b
-hand pipe 10959
-hand railroad equipments 12115
-hand steam shovels..13597
Secondary electric clocks 2734
Section cars (see cars, hand & push).....2034
Sectional glass front shelving 13569
interchangeable wall fixtures 4836a
metal houses 6484b
straight ladders 7123
tanks 14796
warping mills 13456
wood houses 6484c
Sections, honey box.....13272
money 13272a
mower & reaper 10024
Seed corn dryers 4139
corn graders 5549
drills, garden 4034
meal cotton 9643
separators (small seed) 13312
sowers, hand 13389
testers 14986
treaters 15932
Seeder attachments..... 281
attachments for disc harrows 302
points 11350
Seeders, beet 13273
end gate 13274
garden 13275
grass 13276
raisin 13277
& sowers 13278
Seeding & peeling machines, pumpkin 8871
Segment block culverts..3483a
saws 12997
sewer blocks 919a
Segments, commutator (see bars, commutator) 565
controller 13279
Seine corks 3223
floats 4880a
twine 16205
Seines, fish 4790
Selenite sodium.....13857c
Selenium 13281
Self-acting mules 15292
-clinching nails 10081
-closing cocks & bibbs 2850
-closing dustproof oilers 10267
-closing faucets (see bibbs, self-closing)...2850
-closing oilers, dustproof 10267
-closing work (see cocks & bibbs, self-closing 2850
-compensating cranes.3379b
-dumping buckets.....1609
-dumping tubs.....16138
-dumping wagons.....16590
-feeder carriers, wing..1993
-feeder discs.....3841
-feeder knives.....6928
-feeder & band cutters for threshers.....13282
-feeding mine drills....4042
-fluxing solder 13871
-hardening steel 14243
-heating soldering irons 13880
-inking stamps 14131

No.
Self-lighting gas burners.1676
-loading power scraper buckets 1610
-locking tweezers.....16189
-measuring faucets ...4584
-measuring oil pumps 11961
-oiling bearings 690
-oiling engines 4407
-oiling, hangers.....5907
-oiling pulleys.....11752
-oiling wheels.....16805
-opening dies 3791
-regulating hot water heating systems.....6066
-sealing cans.....1870
-starters 13283
-starters, elevator, electric 4249
-sustaining dumb waiters 4153
-weighing scale feeders, automatic.....15155
-winding, clocks, electric 2785
Selvage motions 15285
Semaphore lantern lenses.7385g
signal blades..... 865a
signal lamps 7203
Semi-finished castle nuts.10197
-finished nuts 10216
-rare ores.....10390b
-reversible steering gears 5400
-smokeless revolver powder (see gunpowder) 5726
-smokeless rifle powder (see gunpowder).....5726
-steel castings 2189
-steel castings, puddled2185
-steel fittings 4819
Senegal gum 5719g
Sensitive drilling machines 8236
Sensitized paper mfr. (see blue & black prints & papers)..... 963
Separable plugs.....11235
Separating funnels 5041
machinery, cotton seed.9052
Separating tables 14659
& cleaning machines, tobacco 9325
Separation pulverizers, air 11767c
Separators (see also screens) 13128a-13165b
air 13284
ammonia 13285
barley 13288
battery 13288a
bean 13289
bow 13290
cement, plaster, etc...13291
centrifugal 13292
coal 13293
cottonseed 13294
cracked corn.....13295
cream 13296
cream, centrifugal....13296
dust 13297
egg 13298
electro-magnetic 13298a
electro-static 13299
flax (see flax seed cleaning machines)..8313
garlic 13300
gas & oil.....13301
gasoline 14429a
grain 13302
inclined vibrating....13304
iron & steel (see separators, magnetic)...13305
magnetic 13305
magnetic, wet.....13305a
mineral magnetic 13305b
oil 13305c
oil from steel chips..13305d
ore 13306
pea 13307
peanut 13308
plaster 13291
pneumatic 13309
receiver 13309a
reclaimed rubber.....13310
rice 13311
small seed 13312
spinning frame 15370
steam & oil.....13313
steam, oil & air.....13314
stone 13315
waste oil (see separators, centrifugal)...13292
water, for reclaimed rubber 13316
water gas tar (see separators, centrifugal)13292
wheat 13317
whey 13318
wild oat 13318a
wool fat (see separators, centrifugal)...13292
yarn 15371
Septic tanks for sewage disposal 14798
Serial tapes 14869
Serpentine marble 9578

No.
Serrated knives & cutters 7061
Service box covers.....3334
boxes 1302
boxes, curb 1215
boxes, electric 1223
elbows 4207
pumps 11930
station & garage equipment 13318b
switches, fused.....14586
tanks, locomotive 14776a
terminals 14958
Serving trays 15925
Sesame, oils 10336
Set collars, safety.....2875
-in-rubber brushes 1564
reamers 12206
screws 13192
screws, hollow.....13222
screws, safety.....13220a
Sets, automobile charging 2421
brad 1349
cellar window 2223
croquet 3435
desk 13319
electric lighting 4215
electrical testing 14991
engineers', oiling 10275
eyelet 4516
generating, gas-electric.5413a
generating, motor 5414
generating, oil engine..5415
generating, steam engine & steam turbine5416
kitchen 6915
knurl 7080
lock 13320
manicure 9544
military 18331
nail 19041
oiling, engineers'.....10275
poker 13322
rivet 12494
rivet, pneumatic.....11300
saw 12941
screen door.....13128
sheep 13323
smoking 13791a
soldering 13881
tap & drill.....14827
telephone testing 14928
testing, oil (see testing sets, electrical).....14991
toilets 15660
tool 15697
tools, hollow handle...15739
ventilating, portable..16477
wrench 17050a
Settee castings 2190
Settees, gliding 13324
iron 13327
lawn 13328
perforated slat 13325
railroad 13326
rustic (see rustic woodwork) 12836
veneered (see seating, veneer) 13257
Setter cans 1870
Setters, axle 13329
skein 13330
stud 13331
tire 13332
Setting machines, band saw 7721
machines, brick 7882
machines, grommet ...8403
machines, saw 9016
-up forms, barrel.....4986
& stoning-out machines, leather.....8544
Settings, boiler.....1014
grate 5576
Settling & pulp thickening tanks 14799
Sewage disposal equipment 13334
disposal plants 13335
disposal tanks, septic 14798
ejectors 13336
flushers, automatic.....4910
lifts (see sewage ejectors) 13336
meters 9732a
pumps 11931
screens 13157
siphons 13711
Sewer augers..... 316
blocks, segment 919a
braces 1323
buckets 1611
builders (see contractors, building & general) 3044
castings (see covers, manhole) 3330
cleaner augers 316
cleaning brushes 1565
cleaning machines 9053
connection boots 1150
contractors 3047e
couplings & connections 13337
excavating cableways..1785
excavating machines...9055
flushing valves 16388

No.
Sewer flushing water siphons 13712
forms 4987b
gas traps 15906
gas valves 16272
gates, back water.....5282
inlets 6621
invert blocks 919b
joint compounds 2947
manhole covers (see covers, manhole).....3330
manhole steps 13338
mauls 9829
pipe 10960
pipe, cement.....10961
pipe dies.....3792
pipe machinery.....9054
pipe machinery, cement 7994
pipe presses (see sewer pipe machinery.....9054
pipe, reinforced concrete 10962
pipe, riveted steel (see pipe, riveted steel)..10956
pipe strainers 13338a
rods 12584
shovels 13593
syphons (see tanks, flush) 14760
tile 15595a
traps 15907
Sewerage airlocks, automatic 96
pumps 11931
Sewing awls..... 338
cabinets 1765
machine attachments..13339
machine hinges 6122
machine locks.....7551
machine mfrs.....9056
machine hinges 6122
machine motors.....9984
machine motors, electric 9989a
machine needles 15300
machine oilers.....10268
machine oils.....10281
machine parts & supplies 13340
machine transmitters 15877
machine, woodwork...13341
machines, bag.....9057
machines, blind stitch.9058
machines, book.....7807
machines, boot.....9059
machines, broom.....9060
machines, button.....9061
machines, button-hole (see buttonhole machines) 7910
machines, carpet.....9062
machines, chain stitch.9063
machines, cloth room.15067
machines, darning.....9063a
machines, glove.....9064
machines, harness....8430
machines, hat.....9065
machines, leather.....9066
machines, marking....9063a
machines, mattress...9067
machines, multiple needle 9068
machines, overseaming.9069
machines, railway.....9070
machines, sailmakers'.9071
machines, shoe 9059
machines, straw hat..9072
machines, whisk.....9060
thimbles 15528
Sextants 13342
Shackle bars..... 580
bolts 1101
hooks 6380
Shackles, anchor.....13343
chain 13344
wire rope.....13344a
Shade adjusters..... 75
adjusters, window..... 75
cloth mfrs.....13345
cord mfrs.'.....13346
fixtures, window.....16877
holders 6266
rollers 12637
Shadeholders 13346a
Shades, aluminum.....13347
car (see car curtains & materials).....1916
celluloid 13348
eye (see goggles & eye protectors).....5525
glass 13357
glass pressed or blown 13349
leaded glass, mosaic, etc. 13351
metallic 13358
mirror 13359
mirror lined.....13352
paper 13357
porcelain 13357
porch 13354
silk 13355
trolley vestibule.....13356
window 16878
Shading machines, lithographers' & photogravers' 9073

No.
Shading pens 10810a
Shaft bolts 1102
couplers, wagon.....3281
couplings 3310
ends 4325
hanger bearings..... 691
hangers 5908a
hangers, ball bearing...5908
hangers, pressed steel.5909
hanging trestles.....15936
lights 7444a
machinery 9076
oilers, safety.....10269
polishing machines....9074
straightening machines.9075
straightening presses..11625
tips 15632
tug stops.....14281
turning lathes.....7296
Shafting 13359a
boxes 1276
cold drawn steel.....13360
collars 13361
couplings 3310
heavy forged steel....13362
hollow seamless steel.13363
iron & steel.....13364
keys, see keys machine.6892
machinery 9077
polished steel.....13365
rings, leather.....12464
turned 13366
yellow metal.....13367
Shafts, axle.....13367a
cam 13368
carriage 13374
crank 3392
crank, automobile.....3393
crank, gas engine.....3394
flexible 13369
golf stick.....13370
hollow 364
jack 13371
key seated 13371a
key seating.....13372
phospor bronze.....13373
wagon 13374
Shakers 13375
locomotive grate.....13376
pepper & salt.....13377
Shaking grates 5583
screens 13152
Shale brick (see brick, face) 1424
gatherers 2638
Shampoos 13378
Shank tongs, piano hammer 15680
Shanks, button.....13379
crucible 3442
ladle carrying.....13380
shoe 13381
Shaper centers.....2281
gauges 5309
guards 5704
heads 6010
tools 15776a
vises 16538
Shapes, agricultural implement 93
brick malleable furnace 1445
pressed metal 13382
special insulation 6657b
steel .....14198 & 14244
steel structural (see steel structural mills) 14267
wire, special.....16981
& U bars, steel.....14273
Shaping machines, collar.8090
machines for steel foundries 9078
machines, metal.....9079
machines, wood.....9080
Shares, plow, lister, etc.13383
Sharpeners, cutter 13393
disc 13384
dowel 13385
drill (see drill sharpening machines).....8214
drill bit 13385a
drill steel.....13386
file 13386a
knife 13387
lawn mower.....13388
mower knife (see grinders, sickle & mower knife).....5647
pencil 13389
plow blade.....13390
rock drill (see drill sharpening machines)8214
saw 13393
shoe knife.....13394
skate 13395
swage 13396
tool 13397
Sharpening burrs, pulp stone 1702
machines, cold saw.....8084
machines, drill.....8214
machines, file.....8299a
machines, rock drill...8940
machines, safety razor blade 9081
machines, saw.....9031

INDEX

INDEX

No.

Sharpening tools, drill (see drill sharpening machines) 8214
tools, rock drill.....15772
Shave hooks.....6381
Shavers, ice.....13398
smoked beef.....13399
Shaves, heel & edge (see knives, shoe).....7038
spoke 13400
Shaving brush handles..5867a
brushes 1566
cream (see soap, shaving) 13812a
grinders 5645b
machines, leather.....8545
machines, screw.....9043
soap 13812a
Shavings, baled.....13401
collecting system.....13402
cork 13403
steel 14279
vinegar & brewers'...13404
washing machines.....9082
zinc 13405
& steel wool.....14279
Shear blades, metal..... 863
cutter knives.....7036
cutter 3597
gates 5233
grinders, rotary.....5642
handles (hedge).....5844a
knife grinders.....5646
knives, metal.....7005
knives, solid steel.....7042
knives, textile.....7054
punches, spiral (see puncning & shearing machinery) 8887
Sheared plates.....11125
steel plates & heads (see boiler heads, flanged, etc.).....1008
Shearing angle iron machinery (see shears, angle iron) 13409
machines, cloth 9082a
machines, coal.....8058
machines, hand.....8419
machines, sheep.....9084
machines, textile.....15372
Sheds, portable steel....11390c
Shearing machinery, gate or guillotine (see shears, gate or guillotine) 13425
machinery, punching & shearing 8887
punches, flue 11998
& brushing machines combined 15373
& flanging machines combined 9083
& punching machines combined 8888
& punching machines double end.....8889
& punching machines, manhole 8890
& punching machines, plate work.....8891
Shears, alligator.....13407
angle iron.....13409
bar, billet, strip & plate 13411
beam, hand power....13429
beam & channel.....13412
bench 13413
beveling 13414
billet & bloom.....13415
brushmakers' 13416
circle 13417
clipping 13418
crocodile (see shears, alligator) 13407
double plate & sheet mill 13420
doubling (see shears, squaring) 13450
for heavy boiler plates, etc. 13422
for sheet metal work.13423
gap 13424
gate or guillotin.....13425
gauge table.....13426
grape 13427
grass 13446
hand power.....13428
hedge 13446
hoof (see parers, hoof)10748
horse clipping.....13430
hydraulic 13431
index 13432
lawn (see shears, sheep, grass & hedge).....13446
lever 13433
paper 13435
paper box makers'...13436
paperhangers' 13437
pipe cutting, rotary...13442
plate splitting (see shears, splitting)....13449
poultry (see scissors, poultry) 13068
power 13438
pruning 13439
rotary 13440
rotary circle.....13441

No.

Shears, rotary pipe cutting 13442
rotary slitting.....13443
scrap 13444
scroll 13445
sheep 13446
shoe trimming.....13447
slitting 13448
slitting, rotary.....13443
splitting 13449
squaring 13450
tinners' (see snips, tinners') 13801
tobacco 13452
vertical 13453
wire rod, etc.....13454
& punches, combined (see punching & shearing machines, combined) 8888
& scissors.....13455
Sheathing, asbestos corrugated 248
building, asbestos quilt.1645
building, felt.....1644
paper 10706
yellow metal.....13456
Sheave blocks for derricks 920
or pulley filling, rubber 13457
wheels & frames.....13458
Sheaves, chain 13459
door 13460
guide for conveyor belts 13461
pulley (see pulleys, grooved) 11741
show case 13462
shutter 13463
tackle block.....13464
wire & manila rope...13465
with graphite bronze or metaline bronze 13466
wood, split (see pulleys, wood, split).....11757
Sheep bells 712
dipping tanks 14800
paints 10567
powers 11465
sets 13323
shearing machines.....9084
shears 13446
Sheepskin lined coats...2790a
presses 11626
Sheer valves 16389
Sheet, brass ....3189 & 13479
brass mouldings 10012
bronze 1495
copper.....3189 & 13479
copper dealers (see tin plates, metals, cet.).15613
fibre 4682
holders, paper.....6258
iron, black 6715
iron, blue annealed.....6706
iron, charcoal 6693
iron, cold rolled.....13467
iron, electrical 6716
iron, galvanized 6715
iron trucks (see trucks, rolling mill) 16041
iron work 13467a
lead 7343
lead rolling machines..9085
metal barrel & drum machinery 9086
metal borders & freizes 13468
metal brushes 1567
metal cresting & finials.3427
metal elevated tanks.14801
metal ferrules 4670
metal fire doors, sliding & swinging type.3931
metal forming machinery 9087
metal forms, automobile (see stamping automobile) 14120
metal forms for foundries 4988
metal friezes 13468
metal gauges 5323
metal goods mfrs.....13469
metal groovers 5681
metal lath machines...9088
metal moldings 9894n
metal oiling machines..9090
metal ornaments 10413
metal pipe 10962a
metal pipe forming machinery 8256
metal plate stretching machines 9222
metal porch columns..2144
metal punches 12019
metal screws 13223
metal stamping 14123
metal stamping & drawing 14125
metal stamps & dies (see dies, stamping).3799
metal statuary 13470
metal threading machines 9299
metal wiring machines.9452a
metal work 13471

No.

Sheet metal work shears.13423
metal workers' machines & tools.....9091
metal working presses 11627
metal works (see cornices & skylights)...3240
metal & strip stock straighteners & cutters, automatic 13472
metals, plated 13473
mill cars 2051
mill machinery 9092
packing 10472
pile drivers 11291
platinum.....11158 & 13474
platinum, welded.....11158b
roofing fasteners 4570
rubber flooring 4892a
rubber measuring gauges 5324
silver 13700d
steel (see iron & steel sheet, various kinds; see also sheets, steel)
steel automatic doublers 3962a
steel bars 14245
steel baskets 617
steel bath tubs..... 637
steel, brass & bronze mouldings 9894b
steel caissons 1794
steel ceilings 2219
steel, impervious coated 14255
steel lockers 7519
steel piling 10875
steel shop barrels..... 534
steel stair risers.....14100
steel tote boxes.....1298
steel, tote buckets (see boxes tote, sheet steel) 1298
stock reduction shredders 13610a
work forging machines.8332
zinc 17139
zinc, nickelized.....17136
& tin plate, mills.....9821
Sheeting, rubber 13476
cotton 13477
"Pyralin" 13475
Sheets, aluminum 137
automobile, steel 14199
brass & copper.....13479
cotton pick 13480
embossed 13481
fancy pattern 13481
fibre (see fibre, hard)..4680
fire box, copper.....3176
iron 13485d
lead 7345c
manganese, bronze....13482
manganese, steel 13483
monel metal 13484
nichrome 13484b
nickel 13485
nickel silver 13485a
rubber 12793
steel.....13485d & 14236
steel, aluminum coated.14248
steel, blue annealed...14249
steel, box annealed....14250
steel, buggy bow.....14251
steel, cold rolled.....14211
steel, copper bearing..14253
steel, enameled 14254
steel for shovels, saws, hoes, springs, etc...14255
steel, "Lohmanized"...14256
steel, pickled 14257
steel (planished & polished) 14258
steel, re-annealed.....14259
steel, vanadium 14276
steel & iron.....13485d
tin 13485e
tinning, copper 15616
tinning, yellow metal.15617
Tobin bronze 13486
Toncan metal 13487
white metal 13488
yellow metal 13489
& steel plates.....14236
Shelf brackets 1341
dryers 4139a
dryers, vacuum 4145c
hardware, boxes 1277
supports 14543
Shell banding hydraulic presses 11613
boring lathes 7296a
drills 4064
end mills 9822
machines, dynamite....8254
mills 9767
reamer arbors 220
reamers 12207
turning lathes 7296a
Shellac 13490
substitutes 13491
Shellers, corn 13492
nut 10184
Shelling stones 14358
Shells, automobile boiler.1015
condenser 13493

No.

Shells, copper.....13494
cylinder 3625
disinfector 13495
expansion (see bolts, expansion) 1074
fuse 13497
racing (see boats, row). 993a
radiator (see radiators, water cooling).....12104b
roll 13500
rolled chrome steel...13501
seamless steel 13502
screw 13501a
shot gun (see ammunition) 155
stock, steel calender..14333
straight & taper bore.13503
tank 3625
telephone receiver 14924
telephone relay 14926
wooden 13504
& tank copper.....14824
Shelters, steel 13504a
Shelves, expansion tank.13505
glass 13506
plate glass 15823
range 13508
refrigerator 13506a
stove 13508
stove pipe 13507
towel plate glass.....15823
Shelving, glass front sectional 13509
library, metallic 7407
shop (see shelving, steel) 13511
steel 13511
warehouse 13512
Sherardized nails 10082
washers 16652
Sherardizing 13513
furnaces 5119
machinery 9092a
ovens (see sherardizing) 13513
zinc 17139a
Shield & bolt, expansion.1047
Shields, buckle 13515
dress 13516
engine 4327
erasing for draftsmen.13517
expansion (see expansion shields & bolts)4482
eye, goggles (see goggles & eye protectors) 5525
gear 13518
grinding wheel 13518a
lamp eye 13519
linemen's 13520
radiator 12098
register (see radiator shields) 12098
tunnel iron & steel...16147a
water closet 13521
wind, automobile 16854
wire rope 13521a
Shieves, stamped metal.13522
Shifters, belt 730
phase 13523
Shifts gear, electric.....5365
gear, mechanical 5365a
Shim, steel 13524
Shimming spikes 13924a
Shims 13525
Shiners, shoe 13526
Shingle bands 502
conveyors (see conveyors, log & lumber)..3120
gauges 5325
jointers 6827
knives 7037
machinery, cement 7995
mill machinery 9093
nails 10083
oils 10330a
packers 10445
paints (see shingle stains) 14095b
ripping chisels (see bars, carpenters').... 563
rolls, embossed 13527
saw collars 2876
sawing machines 8439
saws 12998
stain oils 10337
stains 14095b
tools 15778
Shingles, asbestos.....13530
asphalt 13531
California red wood...13532
cedar 13533
cement (see roofing tile, cement).....12740
cypress 13534
felt 13535
metallic 13536
red cedar 13533
slate surface 13538
stained 13539
zinc (see shingles, metallic).
& tiling, cluster.....13540
Shingling brackets 1340
hatchets (see hatchet mfrs.) 5968
Ship auger (see bits, auger) 828
baths, plunge & shower 643

No.
Ship bells 717a
builders 13541
building machinery....9094
carpenters' tools 80
castings 2191
chains 2372
chandlery 2413a
chisels (see chisels & gouges, carpenters')..2478
chocks 2491
clamps (see clamps, boat) 2560
cocks 2837
compasses 2917
davits 3671
doors, non-watertight..8954b
forgings 4958a
fumigating systems ...5035a
holes, man 9543a
jacks 6792a
knees 13542
lavatories 7325
lantern lenses 7385g
locks (see locks & knobs, door & house, etc.) 7566
logs 7606
mauls 9638
pitch 11008
plates 11125a
port lights 11388
propellers 11686a
pumps 11932
repairs & refittings...13542a
rigging 12416a
rivets 12519a
scrapers 13119
scoops 13081a
scuttles 13242a
spikes 13925
stabilizer 14083
telegraphs 14909
turbines, propulsion ..16153a
ventilating apparatus.16476
ventilators 16488
water closets 16677
& air ship stabilizer..14088
Shipbuilders' felting 4615
Shipping barrels, steel.... 536
boxes, paper 1262
cans, milk 1855
cans, wood jacket.....1872
case seals 13248
cases, corrugated paper 2127
cases, fibre 2128
cases, metal 2129
cases, wood 2129a
covers, paper 3332
pails 10515
scales 13049
tag deadlocks 8671a
tags 14707
Ships findings 13542b
Shipyard cranes 3379c
jig mills 6816
joggling machines 8494
Shirt dryers 4139b
Shock absorbers 13543
absorbers, felts.....4629a
mirrors 9855
Shoddy machinery 15374
washing machines, rubber 8976
Shoe blacking foot rests..4922
blackings & polishes..13544
brush handles 5868
brushes 1568
buckles 1622
buffing machines 7896
buttoners 1729
buttons 1741
cleaners 2672
counters 3261
covers 3335
cutters' extension blades 866
die stock 3745a
dressing (see shoe blacking & polish)..13544
eyelets 4518
factory electric heating & ironing outfits.....4212
findings 4753a
felts 4630
goring 13545
heels, wood 6072
horns 6439
horns, fibre 13546
horns, metal 13547
innersoling 6621b
knife sharpeners.....13394
knives 7038
laces 7098
lace tipping machines..9317
lace tips 15632a
last turning lathes (see lathes, last) 7284
lasts, wooden 13547a
lasts & stands.....13548
machinery 9095
nailing machines.....9096
nails 10084
nails, wire 10045b
ornaments 10413a
patterns 10769
pegs 10786
plates, base ball.....11059
polishes 13544
polishing cases 9116
Shoe racks 12087
repairing machines 9099
seam rubbing machines 9100
seaming machines 9101
sewing machines 9095
shanks 13381
shiners 13526
shining chairs 9403
shining machines, automatic 9102
stitching machines 9103
stretchers 14481
tacks 14692
thread 15539
tip scouring & buffing machines 9104
treeing machines 9705
trees 12650
trimmings 15956a
trimming shears 13447
vamp edge folding machines 9106
vamp marking machines 9107
waterproofing 16685
welting 16751
Shoeing vise & bolt header, combined 1043
Shoemakers' hammers...5794
size sticks 14304
tools 15777
wax 16706
Shoes, aluminum.....13551
athletic 13553
baseball 13553
brake 1356
brake, automobile 1357
casing, oil & gas well.13554
conductor pipe (see elbows & shoes, conductor pipe).....4209
drive 13556
felt 1152
founders 13559
foundry 13559
horse, rubber 13557
horse & mule.....13558
ladder 13558a
molders 13559
ox 13560
pile 10872
pipe 13560a
plank 13561
rice, brewers'.....12406
rubber 1153
scalping & cleaning...13562
sleigh 13566
sliding furniture 13564
tennis 13565
third rail (see contacts, electrical) ...3041
wagon 13566
wood sole 13567
wooden 13568
wool 1154
& dies, stamp mill....13569
Shook bands 502
presses 11628
twine 16192
Shooks, box 13570
tub, bucket, etc.....13571
Shooting galleries, mechanical 13572
gallery targets 15913
oil & gas well.....13573
Shop barrels, sheet steel. 534
boxes, steel 1298
cars 2058
cranes, portable 3378
pails, steel 10516
pans 10608
sawing machines, iron..8082
saws 12994
shelving 13511
torches 15813
Shopping bags 415
Short stroke counters for pumps 3271
Shorthand typewriters..16218
Shot, copper 13574
gun powder, black (see gunpowder) 5726
gun powder, smokeless (see gunpowder).....5726
gun shells (see ammunition) 155
guns 12414
lead 13575
machines 9108
monel metal 13575a
nickel 13576
steel chilled 13577
steel, sand blast.....13578
throwing 13579
Shouldered pins 10915a
Shovel handle machinery 9109
handles, ash.....5833
machinery 9110
plate, steel 14261
plows 11198
rivets 12520
spade & scoop mfrs...13580
Shoveling boards 985
buckets 1612
Shovels, bakers'.....13581
cinder 13582
Shovels, coal (see shovel, spade & scoop mfrs.).13580
concrete 13584
cultivator 13585
drain 13600
dirt 13585a
electric power 13586
fire 13587
gasoline for power....13588
grain, power 13592
irrigating (see shovels, steam) 13596
lime 13589
mining machine 13590
molders' 13591
power, grain 13592
sewer 13593
sink 13594
snow 13595
steam 13596
steam, second-hand...13597
tamping 13598
telegraph 13599
tiling 13600
track 13599a
Showcard inks 6615
card lettering pens...10811
Showcase catches 2212
case corner braces....1319
case hdwe.....5939c
case hinges 6123
case pulleys 11752
case reflectors 12283
case sheaves 13462
case turntables 16178
cases 13601
windows, glass.....14386
Shower bath curtains....3512a
bath doors 3949
bath rings 12476
bath thermometers...15515
bath valves 16390
baths 642
baths for ships..... 643
baths, portable 644
plates, chandelier.....11072
Shredder knives 7039
Shredders, cane.....13602a
chip 13603
corn 6501
corn cob 13604
corn, family 13605
extract wood 2461b
fodder 13606
frozen pulp reductions.13607
ice 13608
leather scrap 13609
old paper stock, books, magazines, etc. 13609a
peat (see peat fuel machy.) 8761
potato 13610
roll & sheet stock reduction 13610a
sugar cane 13611
turnip 13610
wood 13611a
Shrinkage rules 12824
Shrinkers, tire & axle...13612
Shucking machines, buckwheat hulling 9111
Shunt ammeters 144
Shut-off cocks, gasoline.2819
-off, fire hose.....4776
-off, valves, gas.....16317
Shuts, cold 2867
Shutter bars 582
bolts 1104
fasteners 4545
handles 5881
hinges 6086
knobs 7067
latches 7242
rings 12477
screws 13224
sheaves 13463
workers 13613
Shutters, automatic 13613a
fire, automatic 13614
iron & glass.....13614a
steel 13615
steel rolling 13616
ventilator 13616a
wood rolling 13617
Shuttle blocks 15375
eyes 15376
guards 15377
irons 15378
machinery 9112
spindles 15399
springs 14033a
straps 15379
tensions 15427a
Shuttles 15380
Siamese connection 3028
Sickle grinders 5647
Sickles, mower (see knives, mower & reaper 7008
reaper (see knives, mower & reaper)....7008
Side bearings 692
blown steel converters.3082
cars 2021
chain end hooks, auto.6334a
delivery hay rakes...12140
dressers for side files..13613
Side dump cars.....2059
edges, plumbers'.....13619
files 4704
files for saws.....13620
frames, car truck.....1931
knob screws 13225
milling cutters 3598
motorcycle cars 9953a
pleating machines ...15322a
rods 12585
Sides, leather 7359
Sidewalk cleaners (see cleaners, pavement).2668
doors 3950
elevators 4288
elevators, electric.....4264
forms 4987
glass 5477
hoists (see elevators, sidewalks) 4288
lifts (see elevators, sidewalks) 4288
light castings 2191
light doors (see doors, sidewalk) 3950
lights, plain & prismatic 16467
scrapers (see cleaners, pavement) 1668
storage magazine (see blasting supplies)... 890
tile 15596
ventilators 16489
Siding, elevator (roofing & siding, iron & steel)12753
iron & steel.....12753
rock face (see steel imitation brick & rock face siding)...14227a
saw machines 9113
Siemen gas valves.....16318
Sienna 13621a
Sieve hoops 6420b
machines 9114
rims 12421
Sieves, ash 13622
cement testing 13623
chemists 13623a
flour 13624
testing 13625
wire 13626
& riddles 12409
Sifter bolting reels.....12273
Sifters, ash & coal.....13627
flour 13628
plaster 13629
sand 13630
sliding motion 13631
& mixers 9887
Sifting machinery 9115
machines, stone 9213
& mixing machines, flour 8321
Sight feed glass oil cups 10238c
feed lubricators 7640
feed valves 16391
feeds for oiling devices 13632
feeds for oiling systems 13633
flow indicators 6575
Sights, gun & rifle....13633a
level 13634
Sign brass 1380
chains 2373
display stands 13634a
flashers, electric 4861
holders 6268
hooks 6383
letters 7390
letters, cast iron.....7391
letters, porcelain.....7389
materials, wood 13635
receptacles 12226
Signal blades, semaphore. 865a
boxes, fire alarm 1228
car lights 13638
cord (see cords, sash)..3202
flags, railway 4833
horns, fire 6436b
lamps 7209
lamps, semaphores....7208
Lantern lenses 7385g
lights, automobile tail (see lamps, signal...7209
oils 10338
pipe 10962b
springs 14036
switches 14603
wire 16981a
Signaling devices 13638a
devices, electric 13638a
Signals, air brake 13639
audible & visual.....13640
automatic calling....13640a
automobile traffic 13640b
block system 13641
distress 13642
electric mine 13643
electric railway 13644
elevator 4250
factory 13645
for follow-up systems.13646
hospital 13647
interlocking systems..13648
mine, electric.....13643
office 13645

INDEX

INDEX

No.

Signals, pneumatic.....13649
police 13650
railway cab 13651
railway crossing.....13652
switch 13653
train order.....13654
Signature presses.....11629
Signboard reflectors 12284
Signs, advertising.....13655
aluminum 13656
automobile club road.13656a
automobile radiator...13657
brass & bronze.....13658
car 13659
cardboard 13660
carved 13661
celluloid 13662
chipped glass.....13663
cloth 13675
display stand 13664
electric illuminated....13665
enameled iron.....13666
enameled steel.....13667
etched metal.....13668
fence board.....13669
fibre 13670
framed metal bulletin.13670a
glass 13671
litho. metal.....13673
metal, etc.....13674
metal, print painted..13674a
municipal 13674b
muslin 13675
post office.....13676
railroad 13676a
raised letter metal (see signs, brass & bronze) 13658
rotary wind.....13677
safety first.....13678
street 13679
talking 13680
traffic 13680b
translucent 13680a
warning 13681
wire 13682
wire roof 13682a
wood 13683
wood letter.....13684
& letters, prismatic metal 13685
& letters, tablets.....14672b
Silencer, gun 13686
motor boat 13686a
Silent chain belting..... 750a
chain gears 5396a
chain sprockets 14056a
chains 2373a
running chains, high speed 2339
running chains, "Link-Belt" 2348
running chains, "Morse"2356
transmission chain....15875a
Silex 13687
grinding machines (see mills, ball & pebble).9761
Silica brick.....1457
fused 13688
mfrs. 13689
ores 10392
sand 12903
tubes 16087
Silicate aluminum.....137a
blackboards of carbon (see carbon black mfrs) 1938
beryllium 793c
of soda (see sodium silicate) 13858a
sodium 13858a
Silico-fluoride sodium...13858b
manganese 13692
Silicon 13696
alloys 13696
bronze wire 16931b
copper 3184
copper wire 1681d
ferro 4655
metals 9700
spiegel 13915
Silk, artificial.....13697
drapery, tassels, etc..14888
dryers 15133a
dryers' enameled dry poles 15127
floss (see kapok).....8856
floss 13697a
floss mattresses (see mattresses, kapok)...9633
goods 13697a
looms 15264
machinery 15381
oiled 10248
oils 10339
shades 13355
sinkers 15384
spun machy. 15417a
testing machines.....15432
thread 15540
thread spools.....15415
trip scales.....13050
twisters 15447
waste machinery.....15466
wrappers 17049
Silking machines, corn..8127
Silks, automobile curtain 320b
Sill plates, carriage.....11126
steps 14286

No.

Silliman's apex aluminum bronze 1495a
Sills, draft & end.....13698
Silo blocks 921
doors, metal 3951
fillers 4721
fixtures 4831
rods 12586
Silos 13699
Silver alloys..... 123
anodes 181
brazing solder 13871a
bullion molds.....9911
carbonate 13699a
castings 2191a
chloride 13699b
furnaces 5120
granulated 13699c
lacquers 7105
leaf 13700
lined kettles 6887a
melting furnaces (see furnaces, assayers & bullion) 5047
melting retorts 12390a
metal 9679
metals 9701
mills 9796
nitrate 13700a
ores 10392a
oxide 13700b
plated hollow ware....6283
plated table knives (see silverware table)...13702
plated trays.....15920
platers' bars..... 570
refiners' presses.....11630
rolling machinery.....9116
rolling mill machinery.8379a
salts of 13700c
sheet 13700d
solder 13868
tissue paper.....10710
tubing 16116
wire 13700d
Silversmiths' grinders.....5648
Silverware, plated..... .....13701 & 13702
table 13702
Sine bars 582a
Singe plates 15382
Singeing machines 15383
Single effect evaporators.4454a
expansion bolts 1077
phase electric motors (see motors, induction) 9977
phase railway system.13702a
roll crusher 3462a1
tube tires, pneumatic..15647
Singletree clips 2715
hooks (see hooks, whiffletree) 6404
irons 6737
lathes (see neck yoke & singletree machinery) 8645
machinery 8645
straps (see straps, pole) 14462
Singletree, hay hoisting.13704
steel 13705
wood 13703
Sink backs 13706
bolts 1105
brackets 1342
brushes 1569
cleaners 2673
frames 5013
legs 7380
shovels 13594
strainers 14439
& float testing machines 9289
Sinkers, die 3744
fish line.....13707
outfits, die 3745
silk 15384
Sinking pumps.....11933
Sinks, kitchen.....13708
porcelain (see bath tubs, porcelain)..... 636
pot & vegetable.....13709
slate (see laundry tubs, slate).....7321
soapstone (see laundry tubs, soapstone).....7322
& trays 13710
Sintering furnaces.....5121
plant equipment.....13710a
Siphon pumps.....11948
Siphons, coil pipe.....13710b
double radiator 13710c
sewage 13711
sewer (see tanks, flush) 14760
water, for flushing sewers 13712
Sirens 13712a
Sisal rope 12763
Size 13713
blocks 921a
kettles 6878
pumps 11934
sticks, shoemakers'...14304
Sizers, broom.....13714
screenless 13715
wood turners'.....13716

No.

Sizing compounds 2947a
machines 9117
machines, brick.....7883
machines (textile)....15385
machines, timber (see planing & matching machines) 8826
or spooling machines..9118
Sizings, rosin.....13716a
Skate rollers.....12637a
sharpeners 13395
straps 14465
wheels (roller skate).16802
Skates, ice.....13717
roller 13718
Skein dyeing machines..15146
presses 11631
screws 13226
setters 13330
stretching machines...9223
winders 15480
Skeining & measuring reels 15339
Skeins, wagon.....13719
& boxes, thimble.....13720
Skelp, iron & steel.....6717
Skewer machinery, butchers' 7905
Skewers, steel, meat...13721
textile 15336
wire 13721a
wood 13722
Ski mfrs.....13723
Skid excavators.....4465
oils 10340
Skidders, log (see log skidding & loading machines) 8563
Skidding tongs (see tools, logging, etc.).....15747
tools (see tools, logging & lumberman's) 15747
Skids 13724
Skiffs (see boats, row).. 993a
Skillets (see spiders)...13914
Skimmers, boiler (see cleaners, skimmers, boiler) 2651
tanners' 13726
Skimming spoons.....13965
Skin buckets 1612a
or pate cutting machines 9120
preservatives 11466a
softeners 13862
Skins, roller.....15348
Skip cars.....2060
hoists 6211
Skips, cableway & derrick 13727
mining 13728
stone or concrete (see boxes, scale).....1274
stone & cement.....13728a
Skiver knives.....7040
Skiving knives, tanners'.7053
machines, strawboard..9121
Skull breakers 1393a
Skylight cleaners.....2674
gearing 5367
glass 5472
glass, rough & ribbed.5470
glass, wire.....5484
guards 5704a
Skylight lifts 7427
ventilating apparatus.13729
ventilators 16489a
& ventilator combined.16479
Skylights 3240
corrugated wire glass.13730
galvanized iron 13730a
ornamental iron.....13731
prism system (see glass, prismatic) 5467
puttyless 13732
Slab conveyors.....3136
milling machines 8608a
zinc (see spelter)....13910
Slabbing mills.....9822
Slabs, iron..... 802
marble 13733
oil stone.....13734
plaster 11035
slate morgue.....13745
slate urinal.....13749
steel 802
stone morgue & dissecting 14343
urinal, stone.....14343
vanadium steel..... 802
Slack adjusters, automatic 67
adjusters, brake..... 68
barrel hoops.....6421
barrel machinery.....7733
lime dryers (see dryers, cement & asphalt)..4112
Slacking & mixing machines, lime.....8556
Slag concrete & roofing, etc. 13735
crushers 8462a
ladles 7134a
pots 11440
trucks 16048
& cinder machines....9133

No.

Slasher cloth.....2751
combs 15076
cylinders 15112
hoods 15204
regulators 12345
warpers 15452
Slashers 15387
saw 12942
steam, exhausting apparatus for.....15388
Slashing dies.....3793
Slat cutting machines, crate 8154
Slate, asbestos roofing (see shingles, asbestos) 13530
bars 582b
bathtubs (see laundry tubs, slate).....7321
billiard table beds..... 809
black boards..... 850
burial cases & vaults.1663
catacomb 13743
chimney tops (see slate stair treads & risers).13747
columns 13736
crushed 13737
discs 3842
dissecting slabs.....13745
dressing machines 9124
drilling & countersinking machines.....9125
drills 4065
dust 13738
fasteners 4571
flagging 4837c
floor tile.....13739
flour 13740
for electrical purposes.13741
gang saws (see stone gang sawing machines) 9210
grave covers (see burial cases & vaults, slate)1663
headstones 14672c
laminated 13742
landscape garden work & terrace.....13742a
laundry tubs 7321
machinery 9127
mantel stock (see slate mill stock).....13744
mantels 9552
mantels, marbleized...9550
mausoleum or catacomb 13743
mill stock 13744
morgue & dissecting slabs 13745
pencils 10800
picking machines.....9123
planing machines.....8820
plumbers' 13749
powdered 13745a
quarry trucks.....16044
radiator tops.....13747
refrigerator linings....13747
register frames or borders 13746
roofers', plastic.....12711
roofing 12733
roofing, asbestos.....13530
roofing, graduated....12732
roofing, purple.....12734
roofing, red.....12735
roofing, sea green....12736
roofing, unfading, green 12738
roofing, variegated purple & green.....12738a
rubbing beds.....13800
saws, circular.....12964
school 13750
sinks 13749
stair treads & risers..13747
structural 13747a
surface roofing 12716
surface shingles 13538
switchboards, electric (see switchboards, light & power).....14565
tablets 14672c
tanks 13743
tile (see slate floor tile) 13739
trimmers 15951
tube (see laundry tubs, slate) 7321
urinal slabs, etc.....13749
vault lining (see burial cases & vaults, slate).1663
works, plumbers'.....11253a
Slaters' felts (see felts, roofing) 4628
hammers 5795
scaffold brackets.....1343
tools 15778
Slating nails.....10076
Slats, pole.....13751
Slaughter house machinery 9129
house tracking 15848
Slaw cutters.....3568
knives 7041
Sled cultivators.....8480
runners 12831
Sledge handles.....5845
mfrs. 13753

No.

Sleds, bob.....13754
steering, children's...13755
Sleeper clips (see clips, floor).....2708
Sleeping bags.....417a
berths, outdoor.....13757
Sleet cutters.....3599
scrapers.....13119a
Sleeve nuts.....10217
wire connectors.....3035
wrenches.....17092
Sleeves, automobile tire.13758
dredging.....13759
drill & punch.....13760
ladle.....7126
paper.....13762
pipe.....13763
plumbago.....13764
punch.....13760
pole repair.....13765
trolley wire splicing..13767
& potheads.....11420
& tees for underground construction.....13768
Sleeving, cotton.....13769
Sleigh bells.....718
dashes.....3670
shoe bolts.....1106
shoes.....13566
Sleighs, logging.....13770
Slicers, fruit & vegetable.....13771
meat.....13772
Slicing machines, apple..7688
machines, beef & bacon.....7741
machines, dried beef & bacon.....8213
machines, bread, meat, etc.....9131
& washing machines, beet.....7744
Slickers.....13772a
Slicks, carpenters'.....13773
Slide, rests for lathes..13774
rules.....12825
valves.....16392
Slides, breast strap.....13775
desk.....3718
drawer.....3989
furniture (see shoes, sliding furniture)...13564
lantern, stereopticon, etc.....13777
tent.....13778
toboggan.....15656
Sliding blade squares...14072
blinds, inside.....896
casters (see shoes, sliding furniture).....13564
cover boxes.....1277a
door hangers.....3896
door hangers, no track.....3894a
door locks & latches...7567
door rails.....12127
door rollers.....12638
fire doors, composite..3928
fire doors, sheet metal.3931
fire doors, tin clad....3932c
furniture shoes.....13564
ladders, store (see ladders, rolling & trolley).....7118
motion sifters.....13631
Slime classifiers.....2630
filters.....4746
tables.....14661
thickeners.....15523a
Sling chains.....2288
shot rubbers.....12799
unloaders.....16235
Slings, chain.....2288
hay.....13779
wire rope.....16973d
Slip covers, automobile...3336a
hooks.....6383
joint connections.....3029
joint dredging pipe...10938
joint machines.....9132
pumps.....11935
roll forming machines.9133
Slitters for gang slitting machines.....13781
& rewinders, knit fabric.....15218
Slitting machines.....9134
machines, can.....7942
machines, cardboard (see paper slitting machines).....8737
machines, duck.....8253
machines, gang.....9135
machines, rubber.....8977
machines, rubber belt..8963
saws, metal.....12988
shears.....13448
shears, rotary.....13443
& finishing machines, leather.....8547
& rewinding machines, paper.....8737
Slot machine locks.....7560
machines (see vending machines).....9382
Slotted clinch rivets....12521
Slotting machines.....9136
machine, commutator..8093

No.

Slotting machines, crank.9137
machines, die.....8182
machines, locomotive frame.....9138
machines, paper, cloth, leather, etc.....9139
machines, portable....9140
machines, screw.....9044
punches.....12002
& shaping machines, die.....8182
Sloyd knives.....7041a
Slubbing frames.....15181
machines.....15389
Slugger rolls.....12697
Slugs, air gun (see ammunition, air rifle)... 155a
Sluice gates.....5234a
Slurry pumps.....11936
tanks.....14802
Slush pumps.....11937
Small gears.....5397
nails.....10085
seed separators.....13312
springs.....14034
wares, metal.....9679a
Smalting glass.....5472a
Smalts.....13781a
sign-painters'.....13782
Smashing machinery....9141
Smelters, lead.....13783
& refiners.....13785
Smelting furnaces.....5122
jackets.....6766
kettles.....6879
machinery.....9142
plant water jackets...6767
plants, complete equipment.....13787
Smoke consumers (see fuel economizers)....5031
flues.....4906
house doors.....3952
house floors, iron, slat, 4194
helmets.....6075
house builders.....13788
indicators.....6576
jacks, round house...13789
preventers.....11669
protectors.....11700
recorders.....12236
stack lining.....13790
stack paints.....10548
stacks, steel (see stacks, steel).....14091
test machines.....9143
testing plugs.....11231
Smoked beef shaves.....13399
beef shaving machines (see slicing machines, bread, meat, etc)...9131
Smokeless cannon powders.....1829b
furnaces.....5123
powder mixing machines.....9144
revolver powder (see gunpowder).....5726
rifle powder (see gunpowder).....5726
shot gun powder (see gunpowder).....5726
tar burning systems..14879
Smokers, bee.....13791
Smoking pipe cleaners...2675
pipe trimmings.....15964
pipes.....10996
sets.....13791a
Smooth rolls.....12697a
Smoothers, asphalt.....13792
Smoothing brushes.....1555
Smudge pots.....11441
Smut cleaning machines..9145
-treaters.....15932
Snap fasteners.....4572
gauges.....5326
hooks.....6384
switches.....14605
switches, ordinary....14604
swivels.....14623
Snaps, blanket.....13794
harness, etc.....13795
hitching.....13796
rivet.....13797
swivel.....13798
Snatch blocks.....921b
Snaths, scythe.....13244
Snifting valves.....16393
Snippers, bean.....13800
Snips, tinners'.....13801
Snow brooms, rotary.....1507
brooms & sweepers, street railway.....13802
flangers.....4839
guards, roof.....12710
plows.....11199
scrapers for cars.....13120
shovels.....13595
Snuff grinding mills.....9823a
Soaking pit brick.....1459
pit cranes.....3380
& washing machines, bottle.....7846
Soap.....13802a
automobile oil.....13803
bark.....13804

No.

Soap boxes.....1278
cans, hand.....1844a
castile (see soap).....13802a
castor oil.....13805
chippers.....2461a
chips (see soap flakes) 13806b
colors.....2893
cutting tables.....14662
dies.....3794
dishes.....3848a
dispensers, liquid.....13806
distributing systems .13806a
dryers.....4140
fixtures, liquid.....4829
flakes.....13806b
green.....13807
hand.....13808
harness.....13809
kettles.....6880
liniment.....7463b
linseed oil.....13810
liquid.....13811
machinery (toilet soap).....9338
makers' frames.....5014
makers' machinery.....9148
makers' presses.....11632
makers' stills.....14321
makers' supplies.....13816
mixing machines.....9149
molds.....9921
plodders.....11172a
polish.....11331
powder mills.....9823b
powders.....11463
pumps.....11938
re-melters.....12361
shaving.....13812a
soft.....13812b
stock.....13813
tanks.....14803
textile mill.....13813a
vegetable oil.....13814
whale oil.....13815
wrapping machines....9495
wrapping paper.....10711
Soaping machines.....15390
Soaps, mill.....15277
Soapstone.....13817
foot warmers.....4923a1
for electrical work....13818
for lubricants (see soapstone, powdered or dust).....13819
griddles.....5602
ground (see soapstone, powdered or dust)..13819
laundry tubs.....7322
machinery.....9150
mortar, patent.....9937
pencils.....10801
powdered or dust.....13819
stair treads.....14106a
Socket bolts.....1107
bushing, rubber.....13820
bushings.....1722
corner nails.....10086
keys, rubber & composition.....6894
linings.....13821
linings, electric.....7474
reaming machines (pipe socket).....8909
rings, electric lamp...12446
strain relief grips.....5672
threading machines....9151
wedges.....16728
wrenches.....17094
Sockets, brass, fibre & hard rubber.....13831a
awning.....13822
bow.....13823
chair.....13824
concrete.....2994
curtain pole & rod....13825
die.....13826
drill.....13827
electric cable.....13827a
electric lamp, bayonet, miniature.....13830a
candle, medium....13829a
ediswan, miniature..13830a
locking, medium & mogul.....13828
medium.....13829
metal shell key, miniature.....13830b
metal shell, key & keyless, medium...13829b
metal shell, keyless, miniature.....13830c
metal shell, keyless, mogul.....13831a
metal shell, pull, medium.....13829c
metal shell, pull miniature.....13830d
metal shell, push, medium.....13829d
miniature (see classifications) ..13830a-13830e
mogul.....13831
porcelain shell, key & keyless, medium..13829e
porcelain shell, keyless, miniature....13830e

No.

Sockets, electric, porcelain shell, keyless, mogul.13831
porcelain shell, pull, medium.....13829f
porcelain shell, push, medium.....13829g
regulating.....13832
special.....13833
weatherproof composition, keyless, medium.....13829h
weatherproof metal shell, keyless, medium.....13829i
weatherproof porcelain shell, medium.13830
weatherproof porcelain shell, keyless, mogul.....13831c
flag pole.....13834
furniture leg, etc.....13835
ladder.....13836
lathe.....13838
peavey.....13840
pump rod.....13841
radio vacuum tube....13842
regulating.....13840
rod.....13838
sucker rod.....13842
whip.....13845
wire rope.....13845a
wood.....13846
Socks, lumbermen's.....13847
Sod tampers.....14720
Soda, acetate of (see sodium acetate)....13854
arsenate.....13854a
ash.....13848
benzoate of..... 791
bi-carbonate..... 797
bisulphate (see sodium bisulphate).....13854f
bisulphite (see sodium bisulphite).....13854g
carbonate of (see sal-soda).....12870
caustic.....2216
fountain cocks.....2838
glass holders.....6269
hyposulphite (see sodium hyposulphate)..13855h
kettles, tool cleaning..6881
nitrate of.....10155
pumps.....11938a
prussiate.....11704b
recovery evaporators..4454b
recovery plants.....13851
sal.....12870
silicate of (see sodium silicate).....13853a
sulphide.....13859
sulphite (see sodium sulphite).....13860
trisodium phosphate..13860a
Tungstate.....16145a
washing, see sal-soda.12870
water boxes.....1196
water fountains.....4993
water straws.....14470
wood pulp.....11765
Sodium acetate.....13854
arsenate.....13854a
benzoate..... 791
bicarbonate.....13854b
bichromate.....13854c
bifluoride.....13854d
bismuthate.....13854e
bisulphate.....13854f
bisulphite.....13854g
bromide.....13855
carbonate.....13855a
carbonate anhydrous (see soda ash)
carbonate crystal (see sal soda).....12870
chlorate.....13855b
chloride gold.....5527
chromate.....13855c
cyanide.....13855d
dryers.....4140a
ferrocyanide.....13855e
formate.....13855f1
fluoride.....13855f
hydrate (see caustic soda).....2216
hydroxide (see caustic soda).....2216
hydrosulphite.....13855f2
hypochlorite.....13855g
hyposulphite.....13855h
metanilate.....13855h1
naphthionate.....13855h2
nitrate.....13855i
nitrite.....13855j
perborate.....13856
permanganate.....13856a
peroxide.....13856b
phosphate.....13857
picramate.....13857a
salicylate.....13857b
salts.....13858
selenite.....13857c
silicate.....13858a
silico-fluoride.....13858b
sulphate.....13858c
sulphide.....13859
sulphite.....13860

INDEX

INDEX

No.
Sodium tri-phosphate...13860a
uranate 13860b
Soft back steel dies.....3800
metal cap & capsule machinery 9153
metal molds.. 9922
metal rivets.....12522
metal wax.....16707
mud brick machinery..7878
soap 13812b
steel 14263
steel burrs 1704
steel tubing.....16117
Softeners, cotton.....13861
skin 13862
Softening & purifying apparatus, water.....16689
Soil dams 3665a
pipe closers 13863
pipe cutters.....3600
pipe test tees.....14893
pipe testing plugs....11232
pipe & fittings, cast iron 2140
plumbers' 11254
Solder, aluminum.....13864
band saw.....13865
bar 13865a
bismuth (see alloys, fusible) 122b
brass spelter.....13866
brazing 13867
gold & silver.....13868
insulating (see soldering flux, etc.).....13874
low melting 13868a
molds 9896
plumbers', tinners', etc. 13869
pots 11442
presses 11633
ribbon making machines 9154
rosin core 13870
self-fluxing 13871
silver 13868
silver brazing.....13871a
Soldering apparatus for rail bonding 13872
copper handles.....5869
coppers 13873
couplings 3311
flux 13874
frames & cylinders...13875
frames & cylinders, tin can 5017
furnaces 5079
furnaces, gas.....5079
iron handles.....5869
iron heaters.....6042
iron & blow torch combined, benzine.....13876
iron & blow torch combined, gasoline.....13877
irons, acetylene 13878a
irons, alcohol.....13878
irons, electric.....13879
irons, self-heating....13880
machines 9155
machines, can.....7943
machines, ear.....9156
nipples 16232
paste 13874
salts 13874
sets 13881
stick 13874
torches 15816d
unions 16233
Sole blocking machines..9157
cutting machines.....9158
leather 13881a
leather stripping machines 9159
Solenoid brakes.....1372
magnets 9517
operated switches.....14607
operated valves.....16394
switches 14606
Solenoids 13882
Soles, rubber.....13883
Solid asphalt (see asphalt, miners & rebars 565b
bolt dies (see dies, bolts, threading)....3755
box vises.....16542
cotton belting..... 751
dies 3795
dies, bolt threading...3755
drive tinners' punches.12025
forged gears.....5398
forged steel wheels...16806
lubricants for differential gears.....7620
punches 12020
rubber motor truck tires 15645
rubber wheels.....16807
steel shear knives.....7042
tires 15649
Solidified alcohol 114
nitroglycerine 10162a
Solite glass 5473
Soluble blue 962c
cotton 3253
oil colors.....2893a
oils 10341
No.
Solutions, ferric chloride.13884
Solvent naphtha.....10102
recovery apparatus ..13884a
thinners 13885
Solvents acetone & ketones 13885a
ketones 13885a
Soot blowers 2649
cleaners 2676
Sorghum evaporators....4451
Sorters, bean & pea.....13886
potato 13887
Sorting racks (see racks, filing) 12065
Sound proofing material.13887a
Sounding boards..... 986
leads 7353
lines, deep sea.....13888
machines 9160
Soup canners (see canned goods) 1829
tureens 16155
Southern hardwood lumber 7657
Sowers, hand seed.....13889
plaster 13890
& drills, hand seed garden 13891
& drills, lime & fertilizer 13892
& seeders.....13278
Soya bean oils.....10342
Spacers 13893
button 13893a
button hole.....13893a
tie 13893b
Spacing collars for milling cutters 2877
tables, hand & automatic 14663
Spade handles, ash.....5838
mfrs. (see shovels, spade & scoop mfrs.) 13530
Spades, barking.....13894
concrete 13895
ditching (see shovels & spades, drain & tiling) 13600
drain (see shovels & spades, drain & tiling) 13600
garden 13896
tiling 13600
wooden 12897
Spading harrows.....5954
Spads, miners'.....13898
Spaghetti canners (see canned goods).....1829
Span wire forks (see forks, rising).....4976
Spanner wrenches.....17095
Spanners, plug.....13899
Spar varnishes.....16459
Spark arresters, electric.. 240
arresters, locomotive, traction engine, etc.. 241
coil boxes, waterproof..1279
coils 2860
coils, gas lighting.....2857
gaps, radio 13899a
plug machinery.....9161
plug wire 16981c
plug wrenches.....17096
plugs 11233
point wire.....16982
timers 15604
throttle controls 3074c
Sparking magnetos (see igniters, gas & gasoline engine).....6530
metal 9679b
points 11237a
Spars, derrick (see masts & spars).....9602
& masts 9602
Speaking tube whistles.16837
tubes 13900
Spears, casing.....13901
fish 13902
flag 13902a
oil well casing.....13903
Special alloy metals.....118a
auger bits..... 829
automatic metal working machines 9161a
automobile steel 14200
blue print filing cabinets 1756
blunt, weeds.....4705
bolts 1107a
brass parts 13903a
brushes 1570
cars 2061
constructed wire & cable 17015a
conveyor bearing..... 692
cutters 3606a
design, cutters.....3602
designers of tools, jigs, fixtures & dies.....3715a
designs hardware.....5939d
iron castings 2170c
machinery 9162
machinery designers...9162a
magnets 9517a
mill work, interior & exterior finish.....13904
No.
Special nails 10087
paper bags 417b
pins 10916
rivets 12522a
screws & bolts.....1130a
shapes, insulation 6657b
sockets 13833
tools 15778a
wire shapes.....16981
wood handles.....5869a
Specialties, advertising.13904a
brass 1380a
celluloid 2227a
chain 2288a
electrical wood.....13904b
fibre 4682a
manicure, school & toy 13905
metal 9675
Specific gravity indicators 6577
Specifications, mechanical (see engineers, mechanical) 4341
Spectacle fittings, frames & mountings 4515a
lenses (see lenses, optical) 7385d
Spectrometers 13907
Spectroscopes & polariscopes 13908
Speed changing gears....5403
changing pulleys (see variable speed transmission) 16435
controllers, electric....3059
controllers, emery wheel 3060
controlling rheostats..12399
counters, spindle.....15090
gears, automobile.....5371
indicating meters.....9734
indicators 6578
indicators, electric.....6553
indicators, railroad....6571
indicators, surface.....6580
lathes 7297
limit engine stops.....4329
recorders 12234
recorders, railway.....12235
recording gauges.....5328
reducing gears 5399
reducing transmission (see variable speed transmission) 16435
regulators (see controllers, various kinds; also indicators, various kinds).
regulators, motor.....12337
Speeders, cotton.....15391
drill 4010
drives 4088
Speedometers 13909
Spelter 13910
kettles 6882
pigs 13910a
"Spencer" stock oilers..15423
Spent oxides 10438a
Spermaceti 13911
Spheroidal mills 9823c
Spice boxes.....1272
cabinets 1766
cans 1837
grinding mills 9823d
jar holders.....6270
mill machinery.....8072
mills 9776
mills (see mills, coffee & spice).....9776
pounders 11453
Spiders 13914
Spiegel silicon.....13915
Spiegeleisen 13916
Spigots 13916a
Spike machinery.....9163
mfrs. 13916b
mauls 9638
pullers 11730
Spikes, boat.....13916
boat, composition.....13917
bridge 13925
copper 13918
crossing 13918a
cut 13919
dock 13919a
Spikes, galvanized 13919b
guard 13919c
hand made.....13920
marline 13921
railroad track.....13922
rubber 13923
screw 13924
shimming 13924a
ship 13925
track, railroad.....13922
wharf (see spikes, ship, dock & bridge).....13925
wire 13926
wood 13927
Spilter kettles.....6882
Spinach canners (see canned goods).....1829
canners' machinery....9164
Spindle banding (see braided banding, 488; also spindle hook bands) 15393
No.
Spindle bolsters 15392
carving machines.....9165
crushers 3463
drills, multiple 8230
hook bands.....15393
sanders 2911b
seats, carriage.....13268
speed counters 15090
stay bolt taps.....14871
tubes, worsted.....15394
wire 16983
Spindles 15395
carriage 13927a
clamp 13928
dresser 15397
drill & lathe.....13929
forgings 4958b
furniture 13929a
grindstone (see grindstone fixtures).....5663
machine tool.....13930
reel 15398
screen door.....13930a
shuttle 15399
spooler 15400
wood 13931
Spinning brass.....1381
chucks 2527
frame separators.....15370
frames 15182
frames, ring.....15179
frames, wool.....15183
lathes 7298
machinery (see frames, spinning) 15182
machinery, jute.....15401
machines, rivet.....5938
machines, taper tube...9252
metal 13932
rings 15402
tops 15801
travelers (see travelers, ring) 15441
tubes 15403
Spiral brushes.....1571
chutes 2543a
conveyors 3137
cutter grinding machines 8401
fire escapes.....4771
fluted reamers 12208a
fluted taps 14871a
gears (see gears, cut).5378
gravity conveyors.....3115
knives of all classes...7043
lock seam pipe.....10964
mill cutters (see cutters side milling).....3598
moldings (see moldings, rope & twisted).....9894m
oil grooving machines.9167
packing 10470
pipe, continuous interlocking seam.....10963
plug cutters.....3603
punches, spring center.12021
rings 12477a
riveted pipe.....10965
shear punches (see punching & shearing machinery) 8887
springs 14006
stairs (see iron stair builders) 6707
tenon knives.....7044
twist moulding machines 9168
Spirals for concrete columns 12933
Spires, church, repaired..2533
Spirits, cologne.....13934
wood 13935
Spit cups.....3503a
Spittoons (cuspidors)....3520
galvanized, japanned enameled (see cuspidors) 3520
railway 13936
steel factory.....13937
Splashing dies.....3797
Splice bars 583
bending machines.....7760
joints (see rail braces).1316
plates 11127
Splicers, cable 13938
register, bell & trolley cord 13939
wire 13940
wire fence 13941
Splicing clamps, linemen's 2596
compounds 2948
Splicing dies, sand belt.3789
gum, pure rubber.....5720
machines 15404
tools, wire.....15788
wrenches 17097
Spline milling machines.8608b
Splints, match & kindergarten 13941a
surgeon's 13942
wire gauze 13942a
Split baskets.....621
bolts 1108
button rings.....12484
chucks 2528
collars 2878
keys 6895

No.
Split links.....7483
molds.....9923
pulleys, iron.....11744
pulleys, steel.....11754
pulleys, wood.....11757
switches.....14608
Splitter knives.....7045
knives, cordwood.....6960
Splitters, nut.....13943
Splitting knives, leather.6995
machines, leather.....8548
machines, wood pulp...8866
shears.....13449
& rolling machines, bandage.....15004
& sawing machinery, wood.....9478
Spoke auger machines....9169
driving machines, automatic.....9170
facing machines.....9171
lathe knives.....7046
lathes.....7299
machinery.....8473
pointers.....11336
riveting machines.....8936
shaves.....13400
tenoning machines.....9172
threading machines (bicycle spoke).....9298
throating machines....9173
trimmers.....15952
wire.....16984
Spokes, bicycle.....13944
carriage wheel.....13944a
motorcycle.....13944
wagon wheel.....13944a
Sponge, platers'.....11053
rubber.....13945
Sponges.....13946
filtering.....13946a1
loofah.....13946a
rubber.....13947
Sponging & shrinking machines, cloth.....8051
Spool bars.....583a
elevators.....15148
lathes (see spool & bobbin machinery)...9177
machinery (spool & bobbin).....9177
stock sawing machinery.....9174
stranding machines....15405
wood.....17033
Spooled wire.....16985
Spooler guides.....15406
spindles.....15400
stop motions.....15287
Spoolers, cotton.....15407
doubling.....15408
dresser.....15409
woolen & worsted.....15410
yarn.....15411
Spooling machines (see spoolers, various kinds)
machines, wire.....9439
Spools.....15412
belting.....13948
cord, electric wire....13949
dresser, steel head....15413
field magnet.....13950
jack, steel head.....15414
metal.....13952
silk thread.....15415
typewriter ribbon....13952a
warp.....15416
wire.....13952b
wooden.....13953
Spoons, aluminum.....13954
basting & mixing.....13955
chafing dish.....13956
digging.....13957
drossing.....13958
ice cream.....13959
ladle.....13960
measuring.....13961
miners'.....13961
mixing.....13955
mustard (see spoons, wooden).....13970
paper.....13963
pitting.....13964
platinum.....13964a
skimming.....13965
silver plated (see silverware, table).....13702
strainer.....13966
telegraph (see shovels, spades & scoop)....13580
tinned.....13968
wood handle.....13969
wooden.....13970
Sporting goods mfrs....13971
goods, wood.....13970a
Sportmen's knives (see knives & dirks, hunting).....7062
leggings.....7371
Spot facers.....4523c
lights.....7444b
Spout attachments pump. 298
Spouts, bung.....13972
can.....13973
coaling station.....13974
grain.....13975
magnetic.....13975a
sap.....13976
wood.....13976a
No.
Spray atomizers..... 273
brushes, pneumatic.....1557
cans.....1873
cooling systems, water13976b
guns.....5731a
hoods.....6299
hose, paint.....6464b
nozzles.....10180
nozzles, water cooling.13976c
outfits.....13976d
potato (see sprayers, garden, orchard, etc.) 13977c
pumps.....11939
pumps, barrel.....11940
pumps, bucket.....11941
Sprayers, blacking swab.13977
cart.....13977a
cooperage coating ...13977b
garden.....13977c
gasoline engine outfit.13977d
mine.....13978
orchard.....13977c
paint.....10526a
potato (see sprayers, garden, orchard, etc.)13977c
Spraying compounds.....2949
compressors.....2971
equipment.....10526b
machines.....9178
machines, bituminous material (see road oilers & distributors).....12533
machines, paint & whitewash.....8693
Sprays, painting, compressed air (see pneumatic painting machines).....8835
rubber bath.....13981
urinal.....13982
water, for acid chambers.....13983
water, for rock drills.13984
Spreader cars.....2062
chains.....2374
& hot roller, oil.....10244
Spreaders, automobile spring.....13985
concrete.....13986
earth, ballast & snow plow combined.....13987
glue (see glue spreading machines).....8378
lime.....13988
manure.....13989
rubber mill.....13990
wire.....13992
Spreading carts, road....2102
machines, glue.....8378
machines, rubber.....8979
wagons, stone (see wagons, spreading & reversible).....16591
Spring assembling tables.....14664
balances..... 436
bed machinery.....9179
bed wire link fabric....4528
bending presses, hydraulic.....11580
bolt bushings.....1722a
bolts.....1109
bottom oilers.....10270
brass.....1384
bronze.....1384
butt hinges.....6125
calipers.....1806
center spiral punches..12021
chucks.....2529
clips, auto.....2703a
clamping machines....9180
closet door hinges.....6126
clutch.....14005a
coiling machines.....9182
coiling machines, car..7968
coiling machines, wire 9440
cotters & keys.....3246
cutting & hook machines.....9183
dies.....3798
dividers.....1806
fitting furnaces.....5123a
grinding machinery....9183a
hammers.....5796
hinges (see hinges, spring, various kinds).....6124 to 6139
key cocks.....2839
knitting needles.....15301
latches.....7243
leaf openers.....10369a
machinery, bed, woven wire.....9489
machinery, car & carriage.....7969
machinery, wire.....9441
motors.....9989b
oilers, leaf.....10271
plates.....11128
punches.....12022
rail frogs.....5027
rings.....12477b
scales (see balances, spring)..... 436
setting machinery.....9183c
No.
Spring spreaders, automobile.....13985
sprockets.....14056b
steel.....14264
stripping machines, hydraulic.....9184
terminals.....14959
testing machines.....9290
tooth attachments for disc cultivators..... 304
tooth harrows.....5966
wagons.....16592
washers.....16654
winders.....16859
wire, brass.....16986
wire (coiled spring)..16922
wire, steel.....16993
Springless dial scales...13050a

The Wallace Barnes Company
BRISTOL, CONN.
Wire and Flat Springs of every description

Springs, agricultural implement.....13994
air brake (see springs, coil, or spiral).....14006
automobile.....13995
bed.....13996
bee hive.....13997
bicycle.....13997a
bird cage.....13998
bolster (see springs, car, 14000; also springs, carriage & wagon)..14002
brake.....13998a
brass, flat & wire.....13998b
brush holder.....13999
car.....14000
car fender (see springs, coil or spiral).....14006
car sash.....14001
car seat (see springs, furniture & upholstery).....14018
carriage & wagon.....14002
ceiling, for swing harness.....14003
children's carriage, etc.....14004
clock.....14005
clutch.....14005a
coil or spiral.....14006
compression.....14015
contact.....14007
cultivator (see springs, agricultural implement).....13994
curtain.....14008
cushion.....14009
dobby.....14009a
door, coil, etc.....14010
draft.....14011
electrical instruments.14011a
elliptic.....14012
end gate.....14013
engine.....14014
extension & compression.....14015
fish plate (see locknuts & washers).....7515
flat.....14016
for loose books (see binders, loose leaf).. 813
friction draft.....14017
furniture & upholstering.....14018
gate (see springs, door), 14010; (also springs, coil or spiral).....14006
governor.....14019
grain drill (see springs, agricultural implement).....13994
gun.....14019a
hair.....14020
helical.....14021
hinge.....14022
ignition starting & lighting.....14022a
legging.....14022b
locomotive (see springs, car).....14000
loom.....14023
milled.....8595a
machinery.....14024
mop.....14024a
motorcycle.....14024b
music box.....14005
oil tempered.....14025
organ.....14026
phonograph.....14026a
phosphor bronze.....14027
pipe bending.....14028
pop valve.....14029
refrigerator door.....14030
rubber.....14031
rubber channeler.....14032
screen door.....14033
shuttle.....14033a
small.....14034
spiral.....14006
steam gauge.....14035
steel.....14035a
No.
Springs, switch & signal.14036
torsion.....14037
track scraper.....14038
tractor.....14038a
trolley.....14039
typewriter.....14039a
upholstering.....14018
valve (see springs, coil or spiral).....14006
vanadium steel.....14040
wagon.....14002
window.....14041
window, burglar alarm.....16879
wire.....14043
Sprinkler fittings.....4819a
nozzles for sewage....10181
tanks.....14805
Sprinklers, automatic, fire.....14044
clothes.....14045
coal.....14046
flower (see pots, watering).....11447
golf course.....14047
hose.....14048
keg.....14049
lawn.....7331
park.....14050
plant, rubber.....14051
potato.....14052
sand.....14053
Sprinkling cars, street railway.....2063
carts, street.....14473
machines.....15417
pots (see pots, watering).....11447
wagons, street.....14473
Sprocket cutters.....3604
wheel chains.....2375
wheels.....16809
Sprockets, compensating.14053a
high speed chain.....14054
manganese steel.....14054a
motorcycle & bicycle..14055
roller & block chain..14056
silent chain.....14056a
Spruce lumber.....7657a
Sprue boxes.....1280
cutters, foot & power..3605
presses (see cutters, sprue, foot & power).3605
Spud hoists.....6211a
Spuds, bark.....14057
closet.....14058
electric.....14059
lawn.....14060
Spun calking cotton.....3254
silk machy.....15417a
Spur gearing.....5368
gears (see gears, cut)..5378
Spurs, horse.....14061
& points, ladder.....14062
Sputum cups.....3503b
Square, bolts.....1109a
case reciprocating motion counters.....3266
end punches.....12023
nuts.....10217a
reamers.....12269
rings (see rings, binder) 12435
tubing.....16118
washers.....16654a
wire.....16987
Squares, bevel.....14063
caliper.....14064
center.....14065
combination.....14066
iron & steel.....14067
machinists'.....14068
protractor.....14069
rafter & framing.....14070
sliding blade.....14072
steel.....14067
T.....14073
tailors'.....14074
take-down.....14075
try & mitre.....14076
Squaring shear blades..... 867
shears.....13450
Squash canners (see canned goods).....1329
Squeezers.....15418
ball, puddle.....14078a
germ.....14077
lemon.....14078
rotary.....14079
Squeezing machines, hand & power.....9185
machines, plain power.9185
Squib boxes, miners'.....1255
cases, miners'.....2119
Squibs, electric.....14080
gas.....14081
miners'.....14982
sulphur.....14082a
Squirrel cages (see cages, bird, etc.).....1790
killers.....6902
Stabbing machines, bookbinders.....9186
Stabilizer, ship & aeroplane.....14083
Stable brooms.....1511
door hooks.....6335

INDEX

INDEX

No.

Stable fixtures.....14084
forks, wood.....4977
or stall floors.....14085
Stack covers.....8319
plates, cast iron.....11469
Stacker rakes for threshers.....12142
Stackers, alfalfa.....14086
hay.....14037
lumber.....14038
paper.....14089
straw.....14469
Stacking boxes, steel.....1281
Stacks, book.....14090
steel.....14091
Stadia surveying.....14092
Staff lathes.....7300
plaster.....11039
Staffs, flag.....4837a
Stag handles, imitation...5347
Stage announcers (see carriage calls, electric).....1967
arc lamps.....7152
connectors.....3036
dimming rheostats...13400
lights, electric.....7445
plugs.....11234
Stages, lineman's.....14093
Staging brackets.....1344
Stain colors, wood.....2895a
removers.....14094
Stained glass.....5474
glass substitutes.....14510
glass window ventilators.....16490
shingles.....13539
windows, glass.....16385
Stainless Portland cements (see cements, non-staining Portland).....3258
steel.....14264a
Stains, acid.....14094a
bacteriological.....14094b
biological.....14094c
floor.....14094d
leather.....14095
oil (see wood stains)..14095d
penetrating.....14095a
shingle.....14095b
varnish.....14095c
wood.....14095d
Stair builders, iron.....6707
builders' supplies.....14096
buttons.....1742
carpet fasteners.....4573
corners.....14097
nosing.....14098
plates.....11139
rail braces.....1314
rail stays.....14184
rails, brass & bronze..14099
risers, sheet steel.....14100
rods.....12527
routing machines.....9187
treads, brass.....14101
treads, cast iron.....14102
treads, lead filled.....14104
treads, rubber (see mats & matting, rubber).....8620
treads, safety.....14106
treads, soapstone.....14106a
treads, stone.....14348
treads, wrought steel.14107
treads & risers, slate.13747
Stairs, bronze.....14109a
fire-proof.....14109
iron.....14109a
mine escape shaft.....14110
spiral (see iron stair builders).....6707
Stairway fire escapes.....4772
Stairways, moving.....14111
wooden (see interior hardwood work, mfrs. & erectors).....6686
Stake holders.....6271
irons.....6745
irons, wagon.....6754
pockets.....11333
pockets for cars.....14112
riveting machines.....8937
Stakes, cattle.....14114
plant.....14114a
tinners'.....14115
Staking machines, leather.....3549
Stalk cutter attachments. 395
cutters.....3606
rakes.....12143
Stall door locks.....7561
doors.....14085
Stalls, cow.....14116
urinal.....16243
Stamp affixers.....8844
batteries (see mills, stamp).....9834
makers' supplies, rubber.....12795
mill castings.....2191c
mill shoes & dies.....13569
mills.....9834
pads.....10492
racks, printing.....12085a

Stamped copper ware....3187
electrical parts & fittings.....4223
metal shieves.....13522
parts for cream separators.....14117
Stamping, aluminum....14119
automobile.....14120
brass.....14121
copper.....14122
dies.....3799
fibre.....14122a
huller scraper.....14122b
machinery.....9188
machines.....15419
machines, can, automatic.....7944
machines, cloth.....15068
machines, hide.....8442
machines, leather.....8550
monel metal.....14122c
nickel.....14122b
nickel silver.....14122d
presses.....11635
sheet metal.....14123
steel, for.....14223b
steel furniture.....14123a
works.....14124
& drawing, sheet metal.....14125
Stamps, dating, wheel..14127
dating (see dating machines).....3172
gravity.....14128
name, for concrete....14129
numbering (see numbering machines)....8654
rubber.....14130
self-inking.....14131
sheet metal (see dies, stamping).....3799
steam.....14132
steel.....14133
steel log.....14134
time.....14135
trading.....15853a
& dies, sheet metal (see dies, stamping).....3799
& dies, steel.....14136
Stanchion irons.....6746
posts.....11409
Stanchions, cattle.....14137
Stand pipe nozzles.....10182
pipe valves.....16396
pipes.....14139
pipes, locomotive.....14140
pipes, reinforced concrete.....14140a
Standard cutters.....3606a
gauge turntables.....16179
magnets.....9517a
posts (see posts, lamp).....11404
resistors.....12379
"Standard" rosettes....12770a
Stands, adding machine.14141
annealing box.....14142
armature winding.....14143
automatic ground throw.....14144
bird cage.....14147
bicycle.....14146
boiler range.....1016
calender.....14148
display.....14150
drill.....14150a
emery wheel (see grinders, emery).....5622
flag.....4837b
floor, for valves.....4836
hack.....15198
indicator.....14151
ironing (see tables, ironing).....14651
micrometer.....14152
mule pulley.....14153
music.....14154
pipe vise.....14155
price card.....14156
pump.....14156a
range boiler.....1016
sad iron.....14157
sign display.....13624a
switch.....14610
telephone desk.....14917
toilet.....14159
tool, portable.....15698
typewriter.....14141
umbrella.....14160
vise, portable.....16507
water cooler.....14161
wrench display.....14162
Staple drivers.....4082
machines.....9190
mfrs.....14163
pullers.....11721
setting machines.....8925
wire.....16966
Staples, bar.....14164
bottle wrapper.....14165
bucket handle.....14170
evener.....14166
fence.....14167
hame (see clips, hame).2711
insulated.....14168
metal furring.....14168a
nutted.....14169
pail handle.....14170

Staples, poultry netting.14171
stop.....14172
telephone.....14915
wagon box.....14173
with rings.....12488
wrought steel.....6416
& hasps.....5967
Stapling machinery, wire.9442
machines.....9191
machines, paper.....8738
wire.....16988
Star burners.....1693
drills.....4066
Starch arrowroot.....14174a
boards.....986a
boxes.....1282
cassava.....14174b
corn.....14174c
dryers.....4141
factory machinery.....9192
mfrs.....14174
paper.....10712
potato.....14174d
presses.....11636
rice.....14174e
tapioca.....14174f
wheat.....14174g
Stars, iron.....14175
milling.....14175a
Starters, automobile ...14175b
bearings.....675b
bung.....1657
fire pump.....14176
motor.....9957
pump, automatic (see self starters).....13283
Starters' whistles.....16882
Starting boxes (see rheostats).....12395
compensators, motors.2921a
cranks, automobile....3390a
exhausters, pump & engine.....4475
springs, ignition.....14022a
Static discharges.....3828
electric machines.....9193
transformers.....15869
Station coaling spouts..13974
lamps.....7210
meters.....9735
pumps.....11942
Stationary benches..... 772
electric light plants....4213
magazines.....9205b
ranges.....14392
vacuum cleaners.....16248a
Stationers' embossing presses.....11637
glassware.....5468
hardware.....5936
hardware mfrs.....5936
rubber sundries.....14177
specialties.....14178
Stationery, railroad.....12117
Stations, locomotive coaling.....7572
water, railroad.....16689a
Stator blocks.....921c
Statuary, bronze.....1493
marble.....9579
plaster.....14180
sheet metal.....13470
white bronze.....14181
Stave baskets..... 618
cutter knives.....7047
cutting machines.....9194
equalizing machines...9195
jointing machines.....9196
machinery.....7733
machinery (nail keg stave).....8642
planing machines.....8821
rejointing machines...9197
sawing machines.....9198
wagons.....16593
Staves (see cooperage stock).....3168
Stay-bolt breakers, pneumatic.....11807
-bolt clippers, pneumatic.....11808
-bolt cutters.....3607
-bolt cutters, pneumatic.....11809
-bolt drilling machines.8237
-bolt iron.....6789
-bolt nippers, pneumatic (see pneumatic bolt nippers).....11266
-bolt taps.....14872
-bolt threading machines.....9199
bolts.....1110
-bolts, boiler.....1059
chain hooks.....6236
chains (see chains, wagon).....2236
hinges.....6139
nails.....10088
rollers, barn door.....12612
rolls.....12693
tubes.....16066
Staying machines, automatic.....9200
Stays, chain.....2289
door.....14182

Stays, fence.....14183
stair rail.....14184
transom.....14185
Steak pounders.....11453
Steam accumulators..... 8
air valves.....16397
asphalt rollers.....12639
automobiles, passenger.321a
board lifters.....7415
boiler flue or tube cleaners.....2650
boiler insurance & inspection.....8682
boxes.....15020
canners, condensed (see canning apparatus).1829a
cant flippers.....1883
car trucks.....16010
cloth presses, rotary..15326
clothes dryers.....2756
cocks.....2840
coil dryers.....4142a
condensers.....3005
cookers.....3145
couplers.....3282
drill hose.....6469
drums.....4103
dryers.....4142
drying barrels..... 535
dump scow winders...16855
engine generating sets.5416
engine governors.....5542
engine indicators.....6579
engine lubricators.....7641
engine regulators (see governors, steam engine).....5542
engines.....4409
engines, portable.....4392
engines, rebuilt.....4869
excavators.....4466
feed valves.....16398
feeds.....14188
fire extinguishers.....4774
fitters (see heating contractors, steam & hot water.....6061
fitters, high pressure (see piping, high pressure)16998
fitters' castings.....2191a
fitters' supplies.....14189
flue welding.....16747
gang plows (see plows, gang traction engine).....11188
gauge syphons.....14636
gauges.....5330
generators.....5429
golf course rollers....12640
hammer dies (see dies, chilled hammer).....3760
hammers.....5797
heat regulators for train service.....12347
heaters.....6045
heating apparatus....14190
heating contractors....6061
heating, Paul system..6065
heating systems, exhaust.....6065b
hoists.....6212
hose.....6468
hose couplers.....3282
-hydraulic presses.....11638
-hydraulic riveters....12496
jacketed kettles.....6883
jacketed mixers.....9385a
jacketed pans.....10608a
jet blowers..... 948
jet exhausters.....4476
jet syphons.....14631
joint clamps.....2613
marine engines.....4384
meters.....9736
packing (see packing mfrs.).....10463 & 10472a
pipe casings.....2135
pipe covering screens.13158
presses (see presses, cloth, rotary steam).....15326
pressure gauges.....5311
proof paints.....10570
pumps.....11943
radiation heaters.....6034
radiators.....13102
railroad locomotives...7596
regenerators.....12288
revolving pans.....10609
riding galleries (see carousels, organs, etc.).....1966
riveting machines.....8938
road rollers.....13641
rock drills.....4061
saw mill feeds.....4612
saw mill niggers.....10130a
separators.....13313
shovel cars.....2064
shovel castings.....2163
shovel chains (see chains, dredge).....2276
shovel contractors.....30047d
shovel dippers.....3821
shovel gears.....5381
shovel teeth.....14903
shovels.....13596

No.

Steam shovels, second-hand 13597
slashers, exhausting apparatus for.....15388
stamps 14132
steerers 4410
stills 14322
superheaters 14533
tables for culinary purposes (see cooking apparatus) 3147
thermometers 15516
traction engines.....4414
tractors 16852c
traps 15908
traps, railway.....15909
tube heaters.....6044
turbine condensers.....3006
turbine engines (see turbines, steam)....16154
turbine generating sets5416
turbine pumps.....11944
turbines 16154
turbines, automatic high & low pressure.16151
turbines, extraction...16151d
valve mfrs.....16255
valves 16398a
whistles 16838
winches 16852
& gasoline stump pulling & piling machines combined 9227a
& oil separators.....13313
Steamed bone 1135a
Steamer chairs.....2404
connections 3030
rugs 12304
Steamers, barrel.....14191
grain 14192
Steaming machines.....15420
machines, clay.....9201
trays 15926
Steamship fresnal globes.5502
Stearate aluminum 137b
calcium 1799j
zinc 17140a
Stearic acid..... 50
acid candles.....1824
acid presses.....11640
Stearine 14194
pitch 11009
presses 11641
Steel, acetylene welded tubing 16119a
aeroplane rims..... 83
agents 14231a
agricultural implement 14195
air-ducts 95a
alkali drum.....14196
alloy & carbon.....14197
alloys (see ferro-alloys)4646
alphabets & figures (see stencils).....14282
angles (see steel structural mills).....14267
angles, channels, I-beams, shapes & tees.14198
annealing furnaces.....5123b
anti-rattlers 191
anvils, blacksmith's, etc. 198
arc lamp rope (see wire rope & cables).16975
armored hose, flexible..6459
automobile sheets.....14199
automobile, special...14200
awnings 344
awnings, corrugated... 345
axles (see axles, various kinds).....
backs for brake beams 371
ball process burnishing.1700
ball tumbling barrels.. 540
ball wire.....16990
balls 473
balls for polishing & burnishing 475
band 6712
band saw wire.....16991
bands welded.....6425
bar mills.....14201
bar racks.....12054
bars 14201a
barrel trucks.....16002
barrels, shipping 536
barrels, shop (sheet steel) 534
barrels, tin lined..... 537
barrels with pressed steel beams..... 662
barrows, tubular..... 555
bars 574
bars, chrome nickel...14202
bars, finished.....14203
bars for reinforced concrete 2992
bars, merchant..... 575a
bars, nickel.....14204
bars, vanadium.....14205
baskets (galvanized steel) 610
baskets (sheet steel).. 617
beams (see steel structural mills).....14267
bedstead angles 14206
bench drawers.....3990
benches, movable..... 772

No.

Steel benches, stationary. 772
billets 803
billets (nickel steel)... 807
billets (vanadium steel) 803
billiard balls..... 474
bins 820
blocks (see blocks, tackle) 924
blooms 802
blooms (vanadium steel) 803
boats 994
boiler casings.....1003a
boiler plate 6713
bottle cases.....2130
bottles 1172
bound concrete curb...2982
bound felt mats.....9608
bowling balls..... 296
brackets cross arm, etc. 3426
bridge plate.....14207
bridges (see steel structural work)...14268
brush wire.....16907
buckled plates 11130
buildings (see steel structural work)...14268
burrs 1704
bushed roller chains...2377
bushings 1722b
cabinets tool.....1770
caissons (sheet steel)..1794
calender stock shells.14333
car platforms.....11146
car underframes.....16226
carbonizing 1954
cars 2065
cars, mining or dump.2066
casting converters.....3081
castings 2192
castings (carbon steel).2153
castings (chrome steel) 2158
castings (converter steel) 3081
castings (crucible steel)2192
castings (electric steel) 2163a
castings (Hatfield steel)2192
castings (manganese steel).....2176
castings (nickel steel).2181
castings, open hearth (see castings, steel).2192
castings (vanadium steel) 2199
ceilings 2219
ceilings, sheet.....2219
cell & jail work.....6800
cellar doors (see doors, cellar) 3914
cement bins (see bins, steel) 820
centering 2272
chains 2376a
chairs (see stools, steel factory & office)....14363
channels (see also steel structural mills, 14267) 14198
chilled shot.....13577
chimneys 14207a
clamps 2614
clips, structural.....2716
clothes line pulleys...11732
coach & car interior trim 6688
cold drawn 14208
cold drawn shapes....14209
cold drawn vanadium.14210
cold rolled 14211
cold rolled sheet & strip 14212
cold rolled, strip.....14213
cold rolled strip flat wire 14213a
colors 2894
concrete construction.14223a
concrete distributing towers 15836
concrete fireproofing, Ferroinclave 4782
concrete reinforcing bars 2992
construction (see steel structural work)....14268
construction, concrete.14223a
construction, reinforced concrete 2995
converters 3082
converters, side blown.3082
copper clad.....14214
cores, pressed 3213b
corn cribs.....3229
corner beads, plasterers' 11044
corrugated 6714
corrugated gaskets....5213
couches 3257
counters (see store furniture & fixtures)...14387
cross arms.....3436
crucible 14215
crucibles 3447
crushed 14216

No.

Steel cupboards.....3484
cutlery 14216a
cutting structural, oxy-acetylene 14497a
cylinders, seamless.....3655
derricks 3710
desks 3720
die blocks (see blocks, die) 905
dies 14136
dies, soft back.....3800
dies, vanadium.....3806
discs 3838
doubletrees 13705
dowels 3972
drawing & stamping..14223b
dredge hulls.....6497
dredges 3995
drill 14216b
drill cabinets.....1755
drums 4104
dry docks, floating.....4107
dump cars 2066
election booths 4210
electric alloy (see steel alloy & carbon).....14197
electric, engine bolt...14216c
electric furnace.....14217
electrical sheet.....6716
elevator moldings, ornamental 4244
elevated tanks 14806a
emery 14218
enameled pipe.....10967
enameled tanks.....14807
etching outfits.....10420
etching plates.....11131
eye bar flats.....14219
eyes 6410
factory bins..... 821
factory buildings (see steel, structural work) 14268
factory desks.....3719a
factory equipment....14220
factory spittoons.....13937
factory stools.....14363
factory tables.....14666
factory trucks.....16045
fasteners, corrugated...4557
ferrules 4668
figures 7396
file 14221
filing equipment (see filing cabinets & devices) 4706
filler cements.....2251
fillers 4716
fire doors, counterbalanced type 3932
fire doors, rolling type.3932a
firebox plate.....14223
fireproof wardrobes....16614
fish plate (see braces, rail) 1316
flag poles.....11365
floating dry docks.....4107
floor plates.....11091
floors, perforated 4896a
folding gates (see gates, folding) 5224
forgings 4951
forgings, manganese...4954
forgings, nickel 4956
forgings, seamless.....4958
forgings, vanadium....4961
forged couplings 3298
forged fittings 4809a
forged unions 16231a
forming presses 11642
forms, concrete construction 14223c
foundry boxes.....1231
foundry flasks.....4865a
frame folding barrows. 548
frame trestles.....15938
frog fillers.....4714
furnaces, high speed..5084
garbage wagon tanks.14763
gaskets, corrugated....5213
gasoline engine trucks (see trucks, gasoline engine) 16022a
gates 5235
gear blanks.....5359
girder bridges.....1478
grilles 5606
hack saw wire.....16991
hames 5746
hammer rods & rams.12604
hardening 14224
head dresser spools...15413
head jack spools.....15414
heat treating 6013d
heddles 15202
high carbon.....14225
high pressure tanks..14803a
high speed.....14226
hods 6156
hoes 6164a
hollow drill 14226a
hooks & eyes.....6410
hoop 6712
hoppers 6430a
horses, folding.....6443
hot die & alloy.....14226b
hot rolled strip.....14227
hotel ware, polished...6478

No.

Steel housings for rolling mills 6486
I beams 14198
imitation brick & rock face siding.....14227a
importers 14228
ingots 6597
inspection.....6624 & 14228a
interior building trim..6687
jail bar.....14229
jail & cell work.....6800
kegs 6857
knives 6988a
knuckles 7078
ladder elevators, gloss enamel 7120
ladders 7120
lagging (see centering steel) 2272
lead keg closing machines 8048
letters 7396
lock bar pipe.....10949
lock seam tubing.....16119b
lockers 7520
lockers, sheet 7519
locomotive boiler.....14230
locomotive jacket.....7576
log stamps.....14134
lumber 7657b
machinery 14230a
magnet 14231
malls 15274
manganese (see castings, manganese steel) 2176
mast arm rope (see wire rope & cables).16975
mats & matting.....9621
melting furnaces.....5124
merchants, agents, etc. 14231a
metric rules.....12827
mill bearings (see bearings, mill) 681a
mill, buildings 1645b
mill motor controllers..8069a
mill motors 9990
mine timbers.....9837
mine & mill buildings, constructors of.....14232
mining cars.....2066
moldings 9894f
molybdenum (see ferro-molybdenum) 4653
mortar pans 10609a
mortar tubs.....16135
needle wire.....16992
nickel 14233
non-magnetic 14234
Norway 6718
office stools.....14363
oil hardening (see steel hardeninig 14224
open hearth 14234a
ore trestles & tipples (see tipples, mine)..15621
paints 10548
partitions 10746
pens 10812
picket fences.....4637
picket gates (see fences iron and steel).....4637
pickling acids 60a
picture moldings 9894r
piling, interlocker.....10875
pinions 10886a
pipe (see pipe & tube mills) 10989
pipe, cast 10935
pipe clamps.....2615
pipe columns.....2906
pipe, corrugated (see culverts, road).....3483
pipe, enameled.....10967
pipe, lap-welded 10944
pipe, lock bar.....10949
pipe, welded.....10974
piston rings.....12479
pivots for scientific instruments 11013
plate 6713
plate ash chutes.....2545
plate chutes.....2545
plate fans.....4539
plate head chairs.....5976
plate, vanadium.....14276
plate washers.....16647
plate work.....14235
plates 11100a
plates & heads, sheared (see boiler heads, flanged & dished)...1008
plates & sheets.....14236
plow (see steel ag'l implement) 14195
plow beams.....11173
plow rope.....12764
poles 11367
posts 11403
powder keg.....14237
preserving paints.....10548
pressed 14238
projectiles 11682
propellers, aeroplane, reversible adjustable pitch 11686a

INDEX

INDEX

No.

Steel pulleys, pressed...11749
pulleys, split.....11754
pulleys, wrought.....11758
rail mills.....12110
railroad ties.....15568
railroad track 14238a
rails 12110
rails, renewed 12110
range boiler.....14239
ranges 12152
rasp 14221
reflectors, enameled...12280
refrigerators 13290
reinforced bars.....2992
renewed rails 12110
ribs & lagging (see centering, steel).....2272
rims, aeroplane 83
rings 12478
riveted hydraulic pipe.10943
riveted pipe.....10956
rivets 12522b
rods 12588
rods, black 12545
rolling curtains (see shutters, steel rolling) 13616
rolling mills.....12649
rolling partitions.....10747
rolling shutters.....13616
rolls 12699
roofing & siding.....12753
rope (see wire ope & cables) 10975
rules 12826
rules, metric.....12827
safe 14240
safety treads, wrought.12863a
sash (see window frame & sash).....16868
sash cord mfrs.....12917a
saw 14241
scaffold brackets.....1345
scrap 13091
scrapers, drag & wheel (see road scrapers, drag & wheel).....12535
screw stock.....14242
seats, buggy.....13261
self-hardening 14243
separators (see separators, magnetic) 13305
shafting 13364
shafting, cold drawn..13360
shafting, heavy forged.13362
shafting, hollow seamless 13363
shafting, polished.....13365
shapes .....14244 & 14198
shapes, pressed.....14244a
shavings 14279
sheet 14244b
sheet bars.....14245
sheet baskets..... 617
sheet bath tubs..... 637
sheet, black & galvanized (iron & steel).6715
sheet blanking & forming 14246
sheet, electrical.....6716
sheet plates.....14247
sheets.....13485d & 14236
sheets, aluminum coated 14248
sheets, blue annealed.14249
sheets, box annealed..14250
sheets, buggy bow....14251
sheets, cold rolled (see steel cold rolled)....14211
sheets, copper bearing.14253
sheets, electrical.....6716
sheets, enameled 14254
sheets for shovels, saws, hoes, springs, etc. 14255
sheets for stamped ware (see iron & steel sheet, black & galvanized) 6715
sheets, "Lohmanized".14256
sheets, pickled.....14257
sheets, planished & polished 14258
sheets, re-annealed...14259
sheets, vanadium.....14276
shelters 13504a
shelving 13511
shim 13524
shipping barrels..... 536
shipping drums (see barrels, steel shipping) 536
shipping & factory tables 14649a
shop boxes (see boxes, tote, sheet steel)....1398
shop kegs.....6858
shop pails.....10516
shot, chilled 13577
shot, sand blast.....13578
shovel plate.....14261
shutters 13615
shutters, rolling.....13616
singletrees 13705
skelp 6717
slabs 802

Steel slabs (vanadium steel) 803
slip zinc coated nipples 10147
smoke stacks (see stacks, steel).....14091
soft 14263
spikes (see spikes, various kinds).
spring 14264
spring wire.....16993
springs 14035a
sprockets manganese..14054a
squares 14067
stacking boxes.....1281
stacks 14091
stainless 14264a
stamping furniture...14123a
stamping & drawing..14223b
stamps 14133
stamps & dies.....14136
stock boxes.....1284
stone saw blades.....14346
storage racks.....12088
store counters.....3272
strip, cold drawn, vanadium 14210
strip, cold rolled.....14212
strip, hot rolled.....14227
strips, stamping, pickled 14265
structural 14497
structural dealers....14266
structural erectors....14268
structural mills.....14267
structural shapes (see steel structural mills) 14267
structural work.....14268
Swedish 6718
switching rope (see wire rope & cables)16975
table tops, enameled..14638a
tables 14665
tack plate.....14269
tank plate 6713
tanks 14806
tanks, enameled.....14807
tanks, factory 14807a
tanks, galvanized 14762
tanks, glass enameled 14808
tanks, hot water storage 14809
tanks (pressed steel)..14788
tanks, seamless.....14794
taper boxes.....1289
taper pans.....10618
tees (see steel structural mills) 14267; also 14198
telegraph wire.....16994
telephone wire.....16994
tempered, strip.....14269a
testing machines.....9291
theatre curtains.....15493
thread board 9296a
threading & welding..14270
thresher tanks.....14814
ties 15567
tipples (see tipples, mine) 15621
tired car wheels.....16810
tired driving wheels..16810
tires 15650
toe calk.....14271
toe calks.....15657
tool 14272
tool boxes.....1297
tool cabinets.....1769
tool, vanadium.....14277
tote buckets, sheet (see boxes, tote sheet steel) 1298
towers 15836
toys 15841
track work, manganese 9541
tray barrows..... 554
trays (see boxes, tote steel) 1297
trays, barrow.....15917a
trestles (see tipples, mine) 15621
truck axles..... 361
truck wheels (see wheels, metal).....16792
trucks, gasoline engine 16022a
tube thermometers, mercury filled.....15517
tubes 16088
tubes, weldless (see tubing, seamless steel).16115
tubing 16119
tubing, brazed.....16097
tubing, open seam....16119c
tubing, seamless.....16115
tubing, seamless, cold drawn 16098
tubing, seamless, hot rolled 16106
tubular barrows 555
tunnel shields 16147a
turnbuckles, drop-forged 16163a
type 16212
U-bars & shapes.....14273
umbrella parts.....16224

Steel, umbrella rod.....14274
utility cabinets.....1771
valves 16399
vanadium 14275
vanadium, cold drawn.14210
vanadium, plates.....14276
vanadium, sheets.....14276
vanadium, tool.....14277
vault 14240
vehicle wheels.....16812
wagons 16594
wardrobes, fireproof...16614
washers 16637
wedges 16729
welded flanges.....4855b
well bit & jar.....14278
windows, hollow 16885a
windows, rolled.....16887
wire 16989
wire, band & hack saw 16991
wire brooms.....1508
wire brushes.....1572
wire chains, weldless..2388
wire, cold drawn.....16923
wire, "Copperweld" copper clad 3192a
wire mats & matting.9622
wire rope 16973e
wire sash cord.....12918
wire stripper cards...15050
wire, telephone & telegraph 17000
wire wheel brushes....1582
wool & shavings.....14279
works construction..... 885
wrecking rope (see wire rope & cables).16975
wrenches 17099
& iron 6711a
& iron gratings 5586a
Steeloid 10128
Steels, butchers', etc....14230
Steerers, steam (see engines, steering).....4410
Steering cables, launch..1777b
engines 4410
gears, automobile.....5372
gears, marine.....5389
gears, semi-reversible..5400
knuckle bolts.....1111
knuckle boots.....1151
knuckles 7079
lever grips.....5673
links, automobile..... 329
sleds, children's.....13755
wheel covers.....3337
wheels, automobile....16756
wheels, marine.....16791
Steins, beer.....14281
Stemming machines, tobacco 9335
Stems, punch.....11976
tobacco 15654
valve 16257
Stench traps.....15910
Stencil boards..... 987
brushes 1573
cutting dies.....3801
cutting machines.....9202
inks 6616
marking pots (see pots, marking) 11432
paper 10713
Stencils 14282
Stenographers' note book holders 6256
Step bearings 693a
bolts 1111a
finishing tools 15728
hangers 5910
irons (see steps, pole).14284
joints, rail.....6842
ladder chairs, combination 2393
ladder joints (see joints, ladder).....6839
ladders 7121
plates 11145a
treads 11145a
Steps, automobile.....14283
car 1929
pole 14284
sewer 14285
sewer manhole.....13338
sill 14286
Stereopticon arc lamps...7152
Stereopticons 14288
Stereoscopes 14289
Stereotype knives.....7048
machinery 9208
metals 9691
Stereotyping paper.....10714
tissue paper 10721a
Sterilizers, dairy (see pasteurizers, milk, etc.) 10762
electric 14290
milk (see pasteurizers, milk, etc.).....10762
milk bottle.....14291
water 14292
Sterilizing apparatus....14293
heaters, electric.....6947
machines, can.....7945

Sterilizing & disinfecting machines, clothes....9204
Stick soldering.....13874
Sticking knives.....6941
machines, pin.....8782
tommies 14294
Sticks, candy.....14295
clapper 14296
clothes 14297
cutter 14298
drum 14299
hockey & polo.....14300
mop 9928
packing 10473
picker 15311
plant 14301
printers' composing...14302
shoemakers' size.....14304
stretcher 14305
sweep 15426
track switch.....14306
turned wood.....14307
umbrella 14308
welding 14309
yard 17114
Stiff leg derricks.....3711
leg head blocks..... 922
Stiffeners, heel.....14310
Stiles punching machines 8884
Stills, acetone.....14310a
acid 14311
alcohol 14312
ammonia 14312a
aniline 14312b
benzine 14316
benzol refining 14312c
cast iron 14312d
cheese box for oil.....14313
copper 14314
crude oil.....14315
dreg 14315a
formaldehyde 14315b
fractionating 14315c
gasoline 14316
glycerine 14316a
household & laboratory water 14317
lead & tin lined.....14317a
multiple effects.....14318
nitric acid.....14318a
oil, tar, etc.....14319
on wrenches (see wrenches, pipe) 17089
pharmaceutical 14320
phenal 14320a
rum 14312
soap makers'.....14321
sulphuric acid 14322a
steam 14322
tar 14319
tin & lead lined.....14317a
toluol refining.....14322b
turpentine 14323
vacuum 14323a
vinegar (see machinery, vinegar) 9386
water 14324
water, household & laboratory 14317
wine testing.....14325
wood 14324
Stipplers 1555
Stirrers, chemical.....14326
graphite 14369
Stirrups, or hangers....14327
saddle, iron.....14329
wooden 14330
& levers, cotton machinery 15421
Stitched canvas belting.. 739
Stitching machinery, belt.7753
machines, book (see wire stitching machines) 9443
machines, card Jacquard 15042
machines, pamphlet....8694
machines, shoe.....9103
machines, wire 9443
wire 16994a
Stock, boxes, steel.....1284
cleaners, four cylinders 15422
conveyors 15082
die, shoes.....3745a
fountains 4999
glue 5517b
heaters 6050
markers 9592
marks 14332
oilers, "Spencer".....15423
pickers & cleaners....15320
racks 12089
reels 12273a
room partitions 10748
room racks.....12089
scales 13051
shells, steel calender..14333
slate mill 13744
soap 13313
straightening & cutting machinery, automatic hot rolled.....8469
& special blue print filing cases.....2110a
Stocking cutters.....3608
darners 3666

No.
Stocking dryers 4139b
forms 4989a
Stockings, elastic (see hosiery, surgical, elastic) 6475
Stocks, die (see dies, die castings) 3764
gun 14333a
horse 14334
pipe (see stocks & dies) 14335
plow 11177a
whip 16828
& dies 14335
Stoker engine regulator valves 16400
motors 9991
Stokers, automatic.....14335a
hand 14335b
locomotive 14335c
mechanical 9657
mechanical chain grate.9658
mechanical, underfeed.9658b
powdered coal 14335d
woodwaste 14335e
Stockless anchors.....164a
Stone anchors..... 165
artificial building.....14336
axes 353
barriers 543a
barrows 556
bins 831a
boat fronts 5029
boats 995
breakers (see crushers, rock & ore).....3457
broken (see stone, crushed) 14337
buckets (see buckets, elevator or conveyor).1594
burial cases & vaults..1664
cars (see cars, industrial) 2037
carvers 2106
carving tools, pneumatic 11311
cements 2266
chains 2378
channeling machines...9206
channeling machines, steam & electric air.9207
cleaning brushes.....1574
conveyor chains.....2379
Cornwall 3241
crabs, hook & chain (see crabs, hoisting).3341
crushed 14337
crusher castings (see castings, rock crusher) 2187
crusher parts & repairs.14338
crushers (see crushers, rock & ore).....3457
crushing plants, complete 14339
crushing plants, portable 14340
cut 14340a
cutters' chisels 2475
cutters' hammers.....5798
cutters' points (see chisels, stone cutters') 2475
cutters' tools.....15734
cutters' tools, pneumatic 11312
cutting machines.....9208
cutting saws.....12999
dissecting slabs.....14343
dogs, lifting.....3877
drills 4013
dryers 4142c
elevator belting mfrs... 751a
elevators (see elevators, bucket).....4256
extractors 4507
flattening 14341
fluxing 14342
forks 4963
gadder or drilling machines 9209
gang sawing machines.9210
ganistor 5183
grabs (see hooks, grab)6339
hammer drills (see drills, brick & stone)4013
handling tongs.....15687
hoist hooks.....6387
jacks 6793
morgue slabs.....14342
paving blocks 10775
picks 10856
planing machine attachments 306
planing machines.....8822
platforms 14343
polishing lathes.....7301
polishing machinery...9211
pulverizers 11776
pumice, importers....11781
renovators 14345
reservoirs 12373
rotten 12775a
rubbing beds.....12800
saw blades, steel.....14346
sawing machines.....9212
sawing pumps, sand feed 11927

No.
Stone sawing sand.....12904
sawing strand.....14446
saws, circular.....12965
screenings 14347
screens (see screens, revolving & shaking) 13152
scrubbers 13240a
separating & wheat washing machinery...9404
separators 13315
sifting machines.....9213
spreading wagons (see wagons, spreading & reversible) 16591
stair treads, platforms & risers 14348
surface roofing.....12716
surfacing machines, pneumatic 11313
testing machines.....9292
unloaders 16236
urinal slabs.....14349
wagons 16595
wire 16995
working machinery....9214
& cement skips.....13728a
"Stonekote" exterior cement plaster.....14349a
Stoneman's tee-squares.14890a
Stoners, cherry & peach.14350
Stones, buhr.....1639
commutator 14350a
emery 14351
glass cutters'.....14352
lithographing 14353
oil & water.....14354
pulp 14355
rubbing 14356
scythe 14357
shelling 14358
tool 14359
Stoneware balls, hollow. 475a
bottles (see bottles mariotte, also bottles woulff).....1169 & 1174a
boxes (see stoneware, chemical) 14360
chemical 14360
coils (see stoneware, chemical) 14360
faucets (see stoneware, chemical) 14360
funnels 5041a
Stools, adjustable.....14361
camp 1815
folding 14362
lunch room 14362a
steel factory & office..14363
store 14364
wooden 14364a
Stoop seats.....13269
Stop adjusters, window.. 76
bead screws.....13228
check valves.....16401a
check valves, hold open 16329a
cocks 2841
cutter knives.....7049
motions, drawing frame 15281
motions, knitting machine 15283
motions, loom.....15284
motions, spooler.....15287
motions, twister.....15288
motions, warp.....15289
screws & washers, window 16880
staples 14172
valves 16401
Stoppers, bath & basin..14365
bottle 14366
carboy (see stoneware, chemical) 14360
flue (see stops, flue)..14378
gas main.....14367
graphite (see stoppers, plumbago) 14370
milk bottle.....14368
nozzles & sleeves graphite 14369
plumbago 14370
& nozzles, ladle.....14372
Stopples, rubber.....14373
Stops, bench.....14374
bit 14375
boom foot (see eyes, lacing) 4521
corporation (see cocks, corporation) 2806
crane limit 14376
curb & waste.....14377
door 3906
elevator safety.....4248
engine, speed limit.....4329
flue 14378
planer, automatic.....14380
shaft tug.....14381
& wastes, compression 14382
Storage barrels, gasoline, underground 522
batteries 654
battery cars.....2067
battery cell testers....14986a
battery enamels.....4314

No.
Storage battery locomotives 7597
battery, terminals ...14960
Storage battery tractors, electric 15852a
battery tractors, rubber tired 15853a
bin gates.....5237
bins & measuring device, road 2535a
cranes, coal 3355
filing cases 4706b
heaters 6047a
houses, portable steel..11390d
magazines, sidewalk & portable 9506
pockets, industrial silos 14382a
racks, steel.....12088
reservoirs 12372
system, air brake..... 94
systems, oil 10245
tanks 14810
tanks, acid.....14724
tanks, automobile fuel.14730
tanks, automobile garage 14731
tanks, cast iron.....14742
tanks, cocoanut oil...14744a
tanks, grain.....14767
tanks, hot water, steel.14809
tanks, lubricating oil..14777
tanks, oil.....14784
tanks, sand.....14793
tanks, water.....14821
Store counters.....14387
door handles (see locks & knobs, door).....7566
door locks.....7566
fixture hardware 5939e
fixtures 14387
front construction ...14383
fronts, brass & bronze.14384
fronts, cast iron- 6690
fronts, galvanized iron 14385
fronts & show window, glass 14386
furniture 14387
ladders, sliding (see ladders, sliding).....7118
stools 14364
trucks 16047
Storm door latches.....7241
doors & windows.....14388
sash hangers.....5911
stoop irons.....6747
visors, automobile ...16543a
window fasteners (see hangers, storm sash).5911
windows (see storm doors & windows)..14388
Stove blacking (see stove polish) 14394
boards 14389
bolt nuts.....10218
bolt taps.....14873
bolts 1112
brushes 1575
casters 2143
castings 2192a
cements 2249
clay 2637
closets 13508
door knobs (see stove trimmings) 14395
door panels 10580a
door pins (see stove trimmings) 14395
dovetails 3963
drills 4067
grates 5583a
heating, coal 14414a
heating, wood 14414a
hollowware 6289
lid lifters.....7418
lids 7412
linings 14390
makers' putty.....12038
mfrs. 14392
mats 9612
nuts 10218
pattern mfrs.....14392a
pipe 14393
pipe dampers.....3665
pipe elbows.....14393
pipe enamels.....4315
pipe, fire clay.....10939b
pipe, gas supply.....10997
pipe radiators.....12103
pipe reducers.....12255
pipe registers.....12311
pipe shelves.....13507
pipe thimbles.....15529
pipe ventilators.....16491
pipe wire.....16996
pipe & elbow machines 9215
pipe & elbow mfrs.....14393
pokers 11354
polish 14394
reservoirs 12373
rivets 12523
rod nuts.....10218
rods 12589
scrapers 13122
shelves 13508
trimmings 14395
trucks 16050

No.
Stoves, acetylene.....14396
air tight.....14397
alcohol 14398
alcohol vapor.....14399
bakers' gas 14400
brass founders' drying 14401
brooder 14402
caboose 14403
camp 14404
camp cooking.....1814
car 14405
combination coal & gas 14407
confectioners' 14408
electric 14409
electric disc.....14410
enameled 14410a
Franklin 14411
galley 14412
gas 14414
gasoline 14413
hot blast.....14415
laundry 14416
masons' 14417
mogul 14418
oil 14420
plasterers' (see salamanders) 12866
sand drying (see sand & gravel heaters & dryers) 12008
toaster, electric (see toasters) 15653
wood 14419
Straight dynamite (see dynamite) 4178
edges 14421
ladders 7122
ladders, sectional.....7123
link chains 2379a
shank taper length twist drills 4073
sided, presses 11642a
tips 15623a1
& taper bore shells...13503
Straightened wire.....16996a
Straightener & punch combined 11978
Straighteners & cutters, core wire.....14422
& cutters, sheet metal & strip stock, automatic 13472
Straightening bar machines 9216
machinery, pipe & tube.8796
machinery, plate.....8830
machines, angle.....7681
machines, armature...7693
machines, axle (see shaft straightening machines) 9075
machines, beam.....7740
machines for bars, squares, flats, etc....9216
machines, shaft.....9075
machines, wire, roll & rotary 9444
presses 11643
presses, pipe.....11604
presses, rail.....11615
presses, shaft.....11625
& bending machines, rail 8899
& bending rolls 12657
& cutting machinery, hot rolled stock, automatic 8469
& cutting machines, wire 9445
& finishing machines, roll 8949
& forming machines, wire 9446
Straighting knife blade machines 9215a
Strain insulators 6673
plates 11132
Strainer spoons 13966
Strainers, air.....14423
cesspool 14424
cloths 2768a
coffee 14442
conductor & eave trough 14425
cup 14426
floor 14427
fruit 14428
gasoline 14429a
gutter (see strainers, conductor & eave trough) 14425
hose 14430
injector 14431
irrigating 14432
locomotive water.....14433
milk 14434
oil 14434a
oil well.....14435
paint 14436
pipe 14437
pressure 14438
sewer pipe 13333a
sink 14439
suction 14440
sugar juice.....14441
tea & coffee.....14442
tubular well.....14443

INDEX

INDEX

No.

Strainers, urinal.....14444
water 14434a
Straining machines, rubber 8980
Strand, aircraft.....95b
copper clad steel wire.16997a
galvanized 14445
stone sawing.....14446
wire 16997
wire rope, "Monarch Whyte" 16972
Stranding machines.....9217
machines, spool 15405
machines, wire.....9447
Strap bolts, wagon box..1114
buckles 1618
clamps 2616
hinges 6140
hooks 6388
joints 6843
work mfrs.....5946
Strapping, box...1186 & 14446a
lathes 7302
loom 15237
machines 15424
machines, belt.....7754
machines, box.....7863
mill 14447
Straps, anchor.....14443
automobile 14449
baggage check.....14450
beam, electric.....14451
bill 14452
blanket 14465
box 1186
box (see strapping, box) 1186
crate (see box straps).1186
deckle 14454
flush & supply pipe...14455
glazing 14456
hame 14457
hammer 14458
harness 15196
hose 14459
lug 15272
pipe 14460
pitman 14461
pole 14462
rebound 14463
roll-up 14464
shuttle 15379
singletree (see straps, pole) 14462
skate 14465
street car.....14466
timber 14467
trunk 14465
Straw burning traction engines 4415
cutter knives (see knives, hay & corn cutter) 6985
cutters 3609
dispensers 3855
hat sewing machines..9072
paper 10715
preserving threshers..15549
stackers 14469
wrapping paper.....8210b
Strawberry hullers.....6496
Strawboard creasing machines 8156
lining machines.....9218
mfrs. 14468
skiving machines.....9121
Straws, soda water.....14470
Street brooms 1511
car axle gears.....5401
car axles..... 362
car fuse boxes.....1233
car mats.....9613
car straps.....14466
car wheels.....16766
cars 2068
cleaning cans.....1874
cleaning hand carts....2103
elbows 4207
flushing machines.....9219
lamps 7211
lighting 14471
lighting fixtures.....4832
lighting standards (see posts, lamp, arc & tungsten) 11405
lighting, sun vapor (see lamps, incandescent vapor gas).....7185
paving mixers, concrete 2391
railway contractors....3046
railway generators.....5430
railway snow brooms & sweepers 13802
railway sprinkling cars 2063
railway sweeping machines 9220
railway tickets & transfers 15555
railway track switches 14614
railway yokes.....17128
scrapers 13123
series electric lamp fixtures 4834
series lamps, incandescent 7184
signs 13679

No.

Street sprinkler wagon tanks 14472
sprinkling carts & wagons 14473
sprinkling valves.....16402
sweeper rolls.....12700
sweeping brooms.....1509
sweeping can & bag carriers 1980
sweeping machine brooms 1510
sweeping machines....9221
washer keys 6896
washers 16655
Stretcher sticks 14305
Stretchers, box strap....14474
card 15043
carpet 14475
chair 14476
cloth 15069
curtain 14477
electric wire.....14478
glove 14479
hammock 14479a
hospital 14480
saw (see saw stretching machines).....9022
shoe 14481
trousers (see also hangers, garment).....5896
wire 14482
Stretching machines, belt.7755
machines, rubber belt.8964
machines, saw.....902a
machines, sheet metal plate 9222
machines, skein 9223
& testing machines, belt, combined.....7756
Strike tache 14483
Strikers, angelus, quarter & half hour strikers.2722
Striking bags..... 418
hammers (see hammers, heavy).....5769
knives 7050
machines 9224
String bean machinery..9225
Stringers, fish.....14484
ham 14485
Strings, gut, tennis racket 14486
hame 14487
musical instrument...14488
Strip, brass.....1385
bronze 1385
cold rolled steel, flat wire 14213a
iron, hot & cold rolled.6698
mills 9825
pliers 11160a
steel, cold rolled.....14213
steel tempered.....14269a
stock straighteners & cutters, automatic..13472
Stripes, awning..... 343
Striping attachments, hosiery 15209
Stripper cards, steel wire 15050
Strippers, hand (see cards, hand).....15047
ingot 14489
sugar cane.....14490
Stripping machines.....15425
machines, belt.....7757
machines, flask.....8312
machines, sole leather.9159
machines, spring, hydraulic 9184
Strips, batten.....14492
carbon (see carbon mfrs.) 1939
insulation, canopy (see fibre insulating).....4681
monel metal.....14492a
resistance 14492b
roofing 14493
weather 16713
zinc 17140b
Strontium, bromide 14493a
carbonate 14493b
chloride 14493c
nitrate 14493d
ores 10392b
sulphate 14493e
Stroppers, razor.....14494
Strops, hame.....14495
razor 14496
Structural bolts.....1061
brass work 1382a
clevises 2693
engineers, consulting...4334
mills 9826
rivets .....12504 & 12523a
sanitary glass.....5476
shapes, steel 14267
slate 13747a
steel 14497
steel clips.....2716
steel dealers.....14266
steel mills.....14267
steel shape saws.....12999a
steel shapes (see steel structural mills)...14267
steel work.....14268
tile machines, concrete.8097
tubing 16120
wrenches 17100

No.

Strychnine 14497a
Stub switch tie-bars....15557
Stubble diggers.....3815
Stucco, boards.....14498
dash 14498a
machinery 9227
mfrs. 14499
retarder 14500
Stucco work 14501
Stud bolts.....1115
lathes 7258
link chains.....2380
screws 13229
setters 13331
Studding, "Gypsteel"....14503
Studs, belt (see belt fasteners) 725
electric fixture.....14504
harness 14505
lacing 14506
metal 14507
milled iron.....14508
Stuff chests.....2446
pumps (see pumps, fan & stuff).....11846
Stuffers, sausage.....14509
Stuffing apparatus, leather 7368
boxes 1285
machines, can.....7946
machines, meat can...8581
Stuffs, dye 4177a
Stump joint.....6844
pullers 11722
pulling & piling machines combined, gasoline & steam.....9227a
Stumping powder 11455
Subcarbonate, bismuth.... 824d
Subgallate, bismuth 824e
Subliming pans 10609b
Submarine armor (see diving apparatus)....3864
cables, underground & lead encased).....1779
divers 3860
drilling outfits.....4012
hose 6470
wire (see cables, submarine) 1779
Submerged drilling attachments (see attachments, automatic drilling) 275
Subnitrate, bismuth 824f
Sub-press dies.....3802
presses 11643a
-soil plows.....11200
-surface packers.....10446
Subsalicylate bismuth ... 825
Substitute benzine..... 790
core oven 3205b
leather 7357
turpentine 16182
Substitutes, core flour....3205a
foundry 4993b
glue 5517c
glycerine 5521a
gum 5721
ivory 6761a
linseed oil.....7487
marble 14509a
rubber 12796
shellac 13491
stained glass.....14510
varnish 16441
Succotash canners (see canned goods).....1829
Sucker, rod couplings....3312
rod joint swivels.....14624
rod joints.....6845
rod sockets.....13843
rods 12590
Suckers, soot (see cleaners, boiler flue & tube)2649
Suction box plates.....11133
box pumps.....11945
conveyors 3138
draft system.....14510a
filters 4746a
hose 6471
pipe 10968
pipe hoists.....6213
rolls 12701
screens 13159
strainers 14440
Sugar apparatus, cube...3470
bags 419
barrels 537a
beet presses (see beet sugar machinery)...7743
bowls, sanitary.....1178a
cane car unloaders...16237
cane carrier feeders...4608
cane cars.....2068a
cane conductor 3012a
cane crushers (see mills, sugar cane)...9827
cane loaders.....7510
cane mills 9827
cane roll turning lathes 7268
cane strippers.....14490
centrifugals & mixers..2284
clarifiers 2624
cloth 14510b
coating pans.....10610
coolers (see sugar machinery) 9227b

No.

Sugar cooling pans.....10611
crystallizers 3467
disintegrators 3853
dispensers 3856
dryers (see evaporators, sugar) 4454b1
dust collectors (see sugar machinery)....9227b
evaporators 4454b1
filtering presses (see filters, mechanical)..4741
filters, mechanical.....4741
granulating machines..8389
house castings.....2193
house cranes 3380a
house pumping machines 3870a
house pumps.....11946
house tanks.....14811
juice heaters.....6048
juice strainers.....14441
kettles 6884
machinery 9227b
machinery (beet sugar) 7743
machinery (cane sugar) 7957
milk (see lactose).....7109
mill conveyors 3138a
mingles 9842
mixers 2284
molds 9924
of lead (see acetate of lead) 7332a
plant construction beet. 14511
pulverizers 11777
refineries 14512
refining lime kilns.....6911
screens 13159a
thermometers 15518
wagon valves.....16403
wagons 16596
washers (see sugar machinery) 9227b
Suit case fibre.....4683
case frames.....5015
case hardware mfrs. (see trunk & bag hardware mfrs.)....5933
case hinges 6140a
case locks.....7564
cases 15915
cases, traveling.....15915
cases & trunks, sample fibre 16061a
Suits, bathing..... 639
rubber, pneumatic pressure 12797
Sulfate potassium aluminum 11413a
Sulky derricks.....3712
harrow attachments... 291
hay rakes.....12141
plows, reversible.....11201
plows, riding or wheel.11202
Sulphide, ammonium 154a
Sulphanilic acid..... 50a
Sulphate, aluminum..... 137c
cadmium 17877
calcium 1799k
chromium 2502b
cobalt 2791j
ferrous 4660
manganese 9541a
nickel 10127
of alumina (see alumina) 128
of ammonia.....14513
of ammonium.... 14513
of barium..... 518
of copper.....8185
of iron 6709a
of lead 7345d
of lime.....7455b
of magnesium 9509e
of zinc.....14518
potassium 11417c
sodium 13858c
strontium 14493e
uranium 16242b
Sulphide, ammonium..... 154a
arsenic 245b
barium 519
cadmium 1787g
calcium 1799l
copper 8185a
or iron 6718b
of zinc..... 17141
soda 13859
sodium 13859
Sulphite aluminum..... 137d
calcium 1800
digester gauges.....5331
evaporators 4454c
fibre machinery 9228
mill pipe.....10969
of sodium.....13860
plant equipment.....14521
pulp 14522
soda (see sodium sulphite) 13860
sodium 13860
wood pulp.....11765a
Sulphocarbolates 14528
Sulphocyanide ammonium 154b
barium 519a
Sulphonate dryers.....4140a
Sulphonated oils 10343a

No.
Sulphonating kettles.....6884a
Sulphonation pots.....11442a
Sulphonators 14523a
Sulphonic acid, naphthalene 39c
Sulphur apparatus.....14524
burners 1690
candles 1325
chloride of.....2485
colors 2395
dioxide 14525
dioxide compressors...2971a
flour 14526
flowers 14526a
fume pumps (see pumps, centrifugal).11818
furnaces 5126
machines 9229
ores 10393
refined 14527
squibs 14082a
testers 14987
towers 15836a
& brimstone.....14528
& brimstone, crude..14528a
Sulphuret of antimony... 189
potassium 11417d
Sulphuric acid..... 51
acid apparatus.....14528b
acid recovering apparatus 14528c
acid, fuming..... 52
acid machinery.....9230
acid substitute..... 52a
ether 4440
Sulphurous, acid..... 52b
Sumac 14529
extract 4514a
Summer houses, iron (see summer houses)....14530
houses or arbors.....14530
Sump drainers.....3983
Sun dial pedestals.....10783
dials 14531
frames 14531a
& heliographic printing 14532
Sunning posts 11410
Sunshades, wagon.....16554
Super-heat valves.....16404
Superheated steam valves 16404
Superheaters, steam....14533
Superphosphates 14534
Supplies (supplies are indexed under the headings descriptive of their kind).
Supply pipes 10990
pipes for gas stoves..10997
Supporters, shelf.....14542
Supporting plates.....11076
Supports, bus bar & high tension 14535
carriage top.....14536
cask 14537
collar, covered wire....2868
cross arm.....14538
desk 14539
insulator 6662
partition 14540
pipe 14540a
porch 14541
rein 14542
shelf 14543
table 14539
telegraph poles 14544
tongue (see supports, wagon tongue).....14545
wagon tongue.....14545
Suppository machines....9231
Surcingles 14546
Surface butts, full.....1747e
butts, half 1747g
coated paper.....10716
condensers (see condensers, steam).....3005
friction, asbestos.....5019a
gauges 5273
grinders 5651
heaters 6049
hinges 6141
picks (see picks, mattocks & grub hoes)..10856
plates 11134
slate shingles.....13538
speed indicators.....6580
Surfacers, metal.....14547
Surfaces, friction (cork insert) 5020
Surfacing machines, floor.8318
machines, stone pneumatic 11313
machines, wood 9482
material, blackboard... 847
steel 15425a
Surge tanks.....14811a
Surgeons' applicators..... 206
bandage cutting machines 7727
splints 13942
Surgical bandages, cotton (see gauze, surgical).5355
bandages, rubber..... 487
cat-gut 2202
furniture 5142
gauze 5355
hosiery, elastic.....6475
Surgical instruments.....6641
laboratory & sink valves 16405
plasters 11047
rubber goods.....12784
Surveying instruments...4333
stadia 14092
Surveyors (see engineers, civil, etc.).....4337
Surveyors' compasses....2918
tape reels 12278b
Suspended scales for boiler rooms 13052
Suspender buckles 1622a
looms 15265
Suspension bolts, insulated 1087b
bridge cables.....1780
drilling machines.....8238
scales, portable.....13044
Swabs, molders'.....14549
piston 14549a
Swage bars..... 584
blocks 14550
nipples 10146a
sharpeners 13396
Swages, saw.....14551
toe calk.....14553
top, bottom, etc.....14553
Swaging machines.....9232
Swamp hooks.....6389
Swatters, fly.....6901
Sweat pad books.....6390
pads 10493
scrapers for horses....13124
Sweaters, cardigans, etc..14554
Sweating pans.....10612
Swedger & tapering roll combined 14835
Swedish iron & steel.....6718
Sweep fittings, long.....4815a
horse powers.....6441
rakes 12144
sticks 15426
Sweepers, carpet.....14556
carpet, vacuum.....14557
lawn 14558
snow, street railway..13802
Sweeping compound drums 4104
compounds 2950
machines, street 9221
machines, street railway 9220
Sweet potato canners (see canned goods)...1329
Swimming collars, rubber 2874
pool ladders.....7124
Swing bolts.....1116
chains 2380a
chains, porch.....2362
frame grinders.....5652
hammer mills 9328
joints 6846
joints, brass.....6831
saws 13000
Swingers, derrick 3696a1
Swinging engines 4412
fire doors, composite...3928
fire doors, hollow metal3929
fire doors, metal clad, paneled 3930
fire doors, sheet metal.3931
fire doors, tin clad....3932c
fire hose reels (see reels & racks, fire hose)..12278
hose racks (see reels & racks, fire hose)....12278
insulators 6674
Swings, barrel 14559
lawn 14561
porch 14562
Swiss attachment warpers 15453
Switch bars, hard fibre..14563
bases 599
blocks 923
boxes 1286
brooms (see brooms & brushes) 1513
chains 2380b
circuit controllers.....3070
controllers, magnetic...3063
drilling machines.....8224
handles, electric.....5834
hooks 6391
indicators 6581
lamps 7212
locks 7536
locks, railway (see locks, car & switch).....7536
planing machines.....8807
plate adjusters..... 72
plates 11135
plugs 11236
points 11351
protectors 11701
rod insulation.....6658
signals 14036
springs 14036
stands 14610
sticks, track.....14306
Switchboard cabinets.....1766b
cords 3203
details 14564
mats 9614
pipe fittings.....4320
Switchboards, light & power 14565
telephone 14566
theatre 14567
Switches 14567a
air break 14568
automatic 14569
automatic door.....14570
automatic railroad....14571
automatic & remote control 14572
automobile 14573
automobile lighting...14574
battery 14575
canopy 14576
ceiling 14577
coil 14578
combination 14579
control 14579a
crossings & frogs.....5028
cut-out 14579
derailing (see derailers) 3695
disconnecting 14580
electric (see switches, various kinds).
electric oil.....14582
elevator, reversing 4252
fixture 14583
float, electric.....14584
flush push button.....14585
fused service.....14586
heat 14586a
high voltage.....14587
horn 14588
industrial railway (see railways, industrial & portable) 12131
industrial track 14588a
interlocking 14589
knife 14590
lever 14591
limit 14592
magnetic 14593
manganese 14592a
master 14594
motor starting.....14595
narrow gauge track...14595a
oil break.....14596
overhead 14597
pendant 14598
plates flush.....11092a
plug 14599
poletop 14600
porcelain (see porcelain specialties, electrical, mechanical, etc.)...11387
portable track.....14600a
pull 14600b
pull & push.....14600c
push button.....14605
push & pull.....14600c
radio 14600d
railroad, automatic...14571
reversing motor.....14601
rotary, flush & push button 14602
signal 14603
snap, ordinary.....14604
snap & push.....14605
solenoid 14606
solenoid operated.....14607
split 14608
switch stands & fixtures 14610
synchronizing 14610a
tank 14611
target 14603
theatre 14612
time, automatic.....14613
track 15847a
track, industrial.....14588a
track, narrow gauge.14595a
track, street railway..14614
trolley 14615
tumbler 14616
turntable track 15847b
& frogs, safety.....14617
& tracks, permanent.15848
Switching rope, locomotive 12767
rope, steel (see wire rope & cables) 16975
Swivel couplings.....3313
hooks 6392
joints 6847
plows 11204
plugs 11235
snaps 13798
Swivels 14618
chain 14619
halter 14620
punching bag.....14621
razor strop.....14622
snap 14623
sucker rod joint.....14624
Sword, scabbards.....13006a
Swords 14625
Synchronism indicators..6582
Synchronized system clocks 2736
Synchronizing, switches.14610a
Synchronous controllers..3070a
motors 9992
Synchroscopes 14626
Synthetic, chemical, aromatic 2438
indigo 6588
oils 10343b
Syphon gauges (see gauges steam) 5330
pumps 11948
valves 16406
yphons, acid..... 14627
Syphons, bilge 14627a
flush tank.....14628
glass 14629
steam gauge.....14630
steam jet.....14631
Syringe boxes.....1286a
cases 2130a
Syringes, glass.....14632
hypodermic 14633
oil & grease.....10247
& atomizers, rubber..14635
Syrup cabinets.....1767
cans .....1852 & 10521
corn 14636
evaporators 4455
filling machines, canners' 9234
holders 6272
kits 6918
makers' supplies.....9558
pails 10521
pumps 11949
Syruping machines.....9235
Systems, calcining.....1795a
fumigating ship.....5035a
generator cooling 5416a
heating 6065a
heating fan 6065c
heating, Hornung's hot water differential ..6065d
heating oil.....6066a
ignition 6530a
oil burning 10236a
oiling, continuous.....10276
soap distributing 13806a
suction draft.....14510a
ventilating 16477b
T head bolts.....1118
hinges 6140
hooks 6393
pins 10918
slot cutters.....3610
squares 14073
squares, stoneman's..14890a
wrenches 17101
"T. N. T." mixers.....9878a
Table brackets.....1346
claw feet.....14638
corners 3238
cutlery trimmings.....15965
glassware 5499
hinges 6143
knife handles.....5860
knives, silver plated (see silverware table) 13702
lamps 7213
leg braces.....1321
legs 7381
mats, asbestos.....9604
mats, wire.....9615
padding 10480
padding, asbestos..... 259
plateaux 11051
supports 14539
top fasteners.....4573a
tops 15801a
tops, enameled steel..14638a
Tables, adjustable reading 14639
bed side.....14640
bench 14641
billiard 14642
blue print trimming... 959
brazing 14643
brick cutting (see brick cutting machinery) 7877
brick dump.....14644
cafeteria 14644a
canners' 14645
card & folding.....14646
chocolate dipping (see confectioners' machinery) 8104
coal picking.....14647
compound, drilling machine 2923
concentrating (see concentrators, ore).....2977
conveyor 14647a
display 14648
drafting 3976a
drawing (see drafting tables) 3976a
drill, universal 14649
factory, steel 14666
feed 14650
folding 14646
green house slate (see slate, stair, treads & risers) 13747
ironing 14651
kitchen 14652
lunchroom 14644a
mailing 14653
manicuring 14653a
operating (see furniture, hospital) 5145
peeling 14654
picking 14655
plane 14656
pool 14642
reading, adjustable...14639

INDEX

INDEX

No.
Tables, restaurant.....14644a
rolling mill feed.....14657
sand blast rotary.....12891c
saw 12927
saw brazing.....14658
saw, for metal.....12943
separating 14659
sewing 14660
slime 14661
soap cutting.....14662
spacing, hand & automatic 14663
spring assembling.....14664
steam, for culinary purposes (see cooking apparatus) 3147
steel 14665
steel factory.....14666
tomato peeling.....14668
transfer 14669
transfer, electric.....14670
transfer, hand power..15861
trimming blue print.... 959
water cooled casting...14671
welding 14671a
wire carrying.....14672
wood, toy.....14672a
Tablet counting & boxing machines 9236
inks 6617
machines 9237
Tablets, bronze.....1496
cast brass, bronze or iron (see bronze tablets) 1496
signs & letters.....14672b
slate 14672c
writing (see pads & tablets) 10496
Tabs, index.....14673
Tabulating machines.....9238
Tachometers 14674
recording 14675
Tachoscopes 14676
Tack, barrels 537b
claws 2633
hammers 5799
hammers, magnetic....5777
lifters (see claws or pullers, tack).....2633
kegs, miniature.....6858a
machine knives.....7052
machinery 9239
molds 9925
plate steel.....14269
puller handles.....5870
pullers 2633
pulling machinery.....9240
wire 16998
Tackle block sheaves....13464
blocks 924
boxes 1287
cases, fishing 2115
fishing 4791
marine 14676a
Tacks 14677
basket 14680
bill posters'.....14678
brass 14679
broom 14680
brush 14680
carpet 14681
carriage trimmers'....14682
cheese box.....14683
copper 14679
crimping 14684
double pointed.....14685
gimp 14686
hide 14687
insulated wiring.....14688
lasting 14684
lead 14689
miners' 14690
rubber headed.....14691
shoe 14692
thumb 14693
trimmers' 14694
trunk 14695
upholsterers' 14696
wire 14696a
Tag deadlocks 14696b
envelopes 4423
fasteners (see wire tag) 16999
hooks 6394
machinery 9241
paper 10717
wire 16999
Taggers' iron.....6710
tin 15614a
Tags, bag, aluminum....14697
dog 14698
hard fibre 14699
hook 14700
hotel key, etc.....14701
indelible ink.....14702
index 14703
jewelers' 14704
laundry 14705
merchandise (see tags, shipping) 14707
metal edge.....14706
oysters 14706a
plant, wood.....14706b
shipping 14707
tin 14708
zinc 14709
Tail board hinges.....6143a
light lenses, altomobile.7385
lights, automobile signal (see lamps, signal) 7209
markers 9590
pumps 11950
Tailing breakers.....1395
Tailings wax.....16708
Tailors' brushes.....1576
irons (see sad irons)..12843
pressing machines (see clothes pressing machines) 8053-4
squares 14074
wax crayons.....3412
Tails, pig copper.....10866
Take-down squares.....14075
-up bearings..... 694
-up boxes.....1288
-up reels.....12268
-up wire frames.....5014b
-ups 14710
Talc blanks, insulator & gas burner.....14711
boxes, powder.....1288a
facings 4993
grinding mills 9828a
importers 14712
mfrs. & miners.....14713
pencils 10801
powder boxes.....1288a
powdered 14714
Talcum 14714a
Talking machine, cabinets 1768
machine castings.....2193a
machine motors 9993
machine needles 10116
machine specialities ..14715
machines 9244
scales 13053
signs 13680
Tallow 14716
oils 10343c
pots 11443
presses 11588
tryers 16064
vegetable 14717
Tambourine, hoops 6421a
Tamers, hog.....14718
Tamale making machines.9245
Tamp bars, mining..... 585
churn drills.....4068
Tampers, concrete.....14719
dirt & sod.....14720
railroad ballast.....14721
trench (see tampers dirt & sod).....14720
Tampico (see fibre brush) 4676
Tamping bags..... 420
bars (see crowbar mfrs.) 3440
picks 10856
shovels 13598
Tan bark presses.....11644
Tank alarms..... 106
bands 498
blocks (see glass house clay supplies).....5455
blocks, grain 909b
brackets 1337
caps, automobile 1888a
car, unloading hose..6472
cars 2069
flanges 4855c
fixtures 14723
gauge gauges, pneumatic 5334
gauges 5332
gauges, acid metal.....5333
gauges, expansion.....5280
heaters.....6050 & 6054
hose (see hose, garden, steam mill, etc.)....6460
indicators 6583
lining compounds, acid.2924
lugs 7646
lumber (see lumber)....7648
parts, automobile..... 331
pipe & bails..... 469
planks (see cooperage) stock) 3168
plate (iron & steel)...6713
pulls (see pulls, closet) 11760
pumps 11951
regulators, hot water (see regulators, hot water) 12335
rivets .....12501 & 12523b
saddles 12848
shells 3625
switches 14611
valve guides.....5715
valves 16407
wagons 16597
water heaters.....6054
& muffler parts, automobile 331
Tankage dryers 4142e
presses 11645
Tanks, acid storage....14724
agitating (see agitators) .....87 to 91
air 14725
air brake.....14726
Tanks, air compressor...14727
air, for garage.....14728
aluminum 14729
ammonia 14729a
ammonia liquor tar..14812
annealing 14729b
annealing, car wheel.14741
ash (see bins, ash). .. 818a
asphalt heating (see heaters, asphalt).....6016
automobile, fuel storage 14730
automobile storage garage 14731
automobile, water & gasoline 14732
beet sugar syrup.....14733
bleaching ... .14734
blow-off 14735
boat (see tanks, car).14739
brazed 14736
brine 14736a
cachaza 14737
calcium light (see cylinders, calcium light) 3632
canners' process.....14738
car 14739
car lighting.....14740
car wheel annealing..14741
cast iron storage.....14742
cement (see cylinder & tank shells) 3625
chemical 14743
coal tar.....14744
cocoanut oil storage..14744a
cold storage.....14745
compressed air.....14727
condenser 14746
congealing & freezing.14747
cooling, gas engine...14764
copper 14748
copper lined.....14775
cottonseed oil.....14749
creosoting (see cylinders, creosoting)....3636
cyanide 14750
cylindrical 14751
cypress 14751a
developing 14751b
dipping 14752
electroplaters 14753
enameled steel.....14807
enameled storage.....14753a
evaporator 14754
expansion 14755
faucet 14756
filter 14757
fire extinguisher.....14758
fire extinguisher, seamless steel.....14795
fire pail 14759
flush 14760
freezing 14747
fuel oil.....14761
fuel storage, automobile 14730
galvanized steel 14762
galvanizing 14762a
garbage wagon, steel.14763
gas 14763a
gas engine cooling...14764
gasoline 14765
gasoline, automobile..14732
glass enameled steel..14808
glass makers' (see lehrs) 7383
grain (see tanks, grain storage) 14767
grain elevator (see tanks, grain storage).....14767
grain storage.....14767
gravity & pressure, automatic sprinklers 14767a
hard rubber.....14768
high pressure.....14789
hot air.....14769
hot water.....14809
hot water storage steel 14809
humidifiers 14769a
hydrogen (see cylinders, hydrogen & oxygen) 3642
hydro-pneumatic 14770
ice 6525
indurated fibre.....14771
iron (see tanks, steel)14806
jacketed 14772
knock-down 14773
lead 14774
lead lined.....14775
lighting system.....14776
liquid heating.....6069
locomotive service....14776a
lubricating oil storage.14777
milk 14778
mine 14778a
mixing 14778b
molasses 14779
molasses heating.....14780
motor boat.....14781
mounted on wheels..14781a
muffle 14782
naphtha 14783
oil, cylindrical 14784
oil, large field storage.14785
Tanks, oil refinery 14785a
oxygen (see cylinders, hydrogen & oxygen).3642
pickling 14786
pneumatic water.....14787
pressed steel.....14788
pressure 14789
pulp 14789a
pulp thickening.....14799
railroad water.....14790
rectangular 14790a
redwood 14790b
reinforced concrete....14790c
rendering 14791
riveted 14791a
rubber cement.....14792
rubber lined 14792a
sand storage.....14793
seamless one-piece glass enameled.....14793a
seamless steel.....14794
sectional 14796
septic, for sewage disposal 14798
settling & pulp thickening 14799
sewage disposal.....14798
sheep dipping.....14800
sheet metal, elevated.14801
slate 13748
slurry 14802
soap 14803
sprinkler 14805
steel 14806
steel elevated 14806a
steel, enameled.....14807
steel factory 14807a
steel, galvanized.....14762
steel, glass enameled..14808
steel, glass lined.....14808
steel, high pressure....14808a
steel, hot water storage 14809
steel (pressed steel)..14788
steel, seamless.....14794
storage 14810
storage, acid 14724
storage automobile fuel 14730
storage, automobile garage 14731
storage, cast iron.....14742
storage, grain.....14767
storage, hot water, steel 14809
storage, lubricating oil 14777
storage, oil.....14784
storage, sand.....14793
storage, water.....14831
street sprinkler wagon 14472
sugar house.....14811
surge 14811a
tanners' 14812
tar, ammonia liquor..14813
tempering 14943
thresher, steel.....14814
transportation (see tanks, car).....14739
truck 14818
turpentine 14815
underground (see tanks storage, etc.).....14810
varnish 14816
vulcanizing 14817
wagon 14818
water, automobile....14732
water closet 14819
water, mounted on wheels 14820
water, pneumatic.....14787
water, railroad 14790
water storage.....14821
welded 14822
wood 14823
wooden elevated 14823a
& cylinders, cement (see cylinder & tank shells) 3625
& mufflers, automobile. 332
& receivers, air.....14823b
& towers, copper.....14824
Tanner operating valves.16408
Tanners' bate 626a
chemicals 2441d
extract chip dryers....4143
fleshers 4870
glue 5518
grease 5594
leaching apparatus.....7332
machinery (see tannery machinery).....9248
marking hammers.....5800
oils 10344
skimmers 13726
skiving knives.....7053
tacking pincers.....10879
tanks 14812
tongs 15689
tools 15779
vat hooks.....6395
Tannery machinery.....9248
pumps 11952
Tannic acid 53
Tanning extract dryers..4143a
extractors, dyewood....4498a
extracts 4515

No.
Tantalite 14825a
Tantalum lamps.....7215
metallic 14826
ores 10393a
Tap bolts.....1117
bores 1157
borers, lead pipe.....12208
Tap cutters 3611
drills 4069
extensions 14826a
extractors 4608
fluting machines.....8326
holders 6244
grinders 5653
plugs 11237
racks 12064
sets 14827
wrenches 17102
Tape advertising.....14828
asbestos 253
chain 14829
cutting machines, insulating 9249
finishing machines....15163
friction 14830
insulating 14831
lead 14832
metal 14833
reels, surveyors'.....12273b
varnished (see cloth, insulating) 2753
water proof.....14834
Tapeing machines, paper..8740
Taper attachments (see machine tool attachments) 7666b
bore shells 13503
boxes, steel 1289
mandrels 9530
pans, steel 10613
pin reamers 12210a
pins 10919
reamers 12210
rolling machines.....9250
shank twist drills.....4073b
taps 14874
threading machines....9251
tube spinning machines.9252
Tapered tubing.....16122
Tapering machines, core.8116
roll & swedger, combined 14835
rolls 12674
Tapers, wax.....16709
Tapes, braids & cords...15427
gummed 14836
measuring 14837
name 14837a
pocket 14838
& webbing for dynamos, etc. 14839
Tapestries, decorative art 3677
Tapestry printing drums.15126
Taping machines, armature coil.....7690
Tapioca flour.....4903
starch 14174f
Tapped nuts.....10219
Tapping attachments ..14840
attachments, drilling machine 14841
bits 842
chucks 2530
drills, pneumatic.....11297
machines 9253
machines automatic, 9254 & 7835
machines, bench.....9255
machines, bolt (see nut-tapping machines) 8661
machines, coupling (see socket threading machines) 9151
machines, dry pipe.....9256
machines, gas & water main 9257
machines, horizontal...9258
machines, multiple 9259
machines, nut.....8661
machines, nut multiple spindle 8662
machines, pipe socket..9260
reaming & counterboring machines 8907
reaming & seating machines, valve.....9372
& boring machines, automatic 7835
& drilling machines....7835
& drilling machines, combined 8248
& reaming machines, pneumatic (see pneumatic hammers)....11283
& reaming machines, portable 9261
& threading machines..9262
Taps, adjustable 14842
automobile & vehicle.14843
Beaman & Smith holder 14844
bit brace.....14845
blacksmiths' 14846
boiler (see taps, patch bolt) 14865
boiler, straight & taper 14847
No.
Taps, bottoming.....14848
British Association ..14848a
champagne 14849
collapsible 14850
combined drill & reamer 14851
coupling 14851a
current 14853
die 14852
electric current 14853
gas fixture.....14854
hand 14855
hand, machinists'.....14863
hob 14856
horse shoe.....14857
interrupted thread....14858
locomotive 14859
machine 14860
machine nut.....14861
machine screw.....14862
machinists' hand.....14863
metric 14863a
mud plug or wash-out.14864
patch bolt.....14865
pipe 14877
plug 14866
pulley 14867
screw 14868
serial 14869
spindle stay bolt.....14871
spiral fluted 14871a
stay bolt.....14872
stove bolt.....14873
taper 14874
tapper 14875
vehicle 14843
wash-out 14864
& drills, combined, pipe 14876
& drills, pipe.....14877
& reamers, pipe.....14878
Tar boards 988
boilers 6885
brushes (see brushes, roofing) 1561
burners 1694
burning systems, smokeless 14879
distillates 14879a
distributors 12533
extractors 4509
furnaces (see heaters, asphalt, pitch & tar).6016
heaters 6016
kettles 6885
mfrs. 14880
oils 10345
pails 10517
pine 14881
pumps 11953
rakes 12133
refined 14882
stills 14319
tanks, ammonia liquor.14813
water gas 14882a
wood 14883
Target switches.....14603
Targets, shooting gallery 14884
trap shooting.....15913
Tarpaulins, wagon covers, etc. 14885
Tarred cordage.....3195
felts, saturated.....4631
hemp twine.....16206
rope (see yarn tarred) 17119
marline 9593
ratline 12163
yarn 17119
Tartar cream.....3415
emetic 14885a
Tartaric acid..... 54
Tartrate, ammonium 154c
Tassel cores.....3212
hooks (see hooks, picture) 6364
molds 9925a
Tassels, brass.....14886
harness & saddlery....14887
silk drapery, etc.....14888
Taxidermists' supplies...14888a
Taximeter & speedometer drives 4088
Taximeters 14888b
Tea balls..... 477
filters 4747
kettles (see aluminum hollow-ware mfrs.), 133; (also enameled ware mfrs.), 4301; (also, tinware mfrs.), 15620; (also hollow-ware, stove).....6289
mixing machines.....8628
pots 11443a
strainers 14442
urn faucets.....4586
urns 16246
wagons 16598
& coffee pot handles..5870a
Teaming wagons.....16568
Teasel gigs.....15188
Teasels 14889
Technical institutions (see engineering schools & colleges) 4332
paints 10571a
No.
Tedder teeth 14901
Tedders, hay.....14890
Tee head bolts.....1118
squares, stoneman's..14890a
Tees, boiler.....14891
branch (see fittings pipe) 4816
Tees, chain 6417
iron (see steel structural mills) 14267
pipe 14892
steel 14198
test, soil pipe.....14893
underground construction 13768
union 14894
Teeth, bundle carrier...14895
cultivator 14896
diamond saw.....12945
dipper 14897
dredge 14903
for crusher rolls.....14898
harrow 14899
hay rake (see teeth, rake & tedder)....14901
picker 15312
rake & tedder.....14901
saw 12944
saw, diamond.....12945
scarifier 14902
steam shovel.....14903
thresher 14904
two-part 14905
weeder 14906
Teething, rings.....12479a
Telegraph apparatus....14908
augers (see augers, post-hole) 314
sending keys, radio....6893a
instruments 6642
instruments, radio (see radio, various classifications).
pins 10920
pole braces.....1322 & 1313
pole forgings.....4960
pole screws.....13230
pole supports.....14544
poles (see poles, various kinds; also ties, poles & posts).....15565
poles, safety straps...12863
shovels 13599
spoons 13967a
transmitters 15878
wire 17000
wire, steel.....16994
wire test connectors...14970
typewriters 16219
Telegraphic typewriters.16219
Telegraphs, ship.....14909
Telephone arms.....14910
bells 719
booths 14911
booths, cabinet work..14914
boxes 14914
brackets, desk.....1328
cabinet work.....14914
cable interior.....1777a
cable, terminals.....14961
cleats & staples.....14915
coin collectors 2860a
condensers 3007
cord adjusters 73
cord weights.....16741
cords 3203
core machines 9263
cushions, pneumatic..14916
cut-outs 3527
desk stands.....14917
fuses 5160
holders (see brackets, desk telephone).....1328
jacks, radio 6794
knobs 14918
magnetos 9511
meters 14919
mouthpieces 14920
name plates.....10098
nuts 10220
pads 10494
parts 14921
plug terminals.....14961
plugs, radio 11237a
pole changer.....14922
pole forgings.....4960
poles (see poles, various kinds; also ties, poles & posts).....15565
poles, safety straps....12863
protectors 14923
receiver cushions.....3519
receiver shells.....14924
receivers 14925
registers 14919
relay shells.....14926
ringing apparatus.....14927
staples 14915
switchboards 14566
testing sets.....14928
train despatching equipment 15855
transmitter arms.....14929
transmitters 14930
transmitters, radio....15876a
wire 17000
wire, copper.....16927
wire, steel.....16994
No.
Telephone wire test connectors 14970
woodwork (see telephone cabinet work).....14914
& telegraph, "Copperweld" copper clad steel wire.....17000a
Telephones, automatic..14931
automobile 14932
interior 14933
mine 14934
pendant 14935
portable 14936
& apparatus 14937
Telescopes 14938
Telltale boards, marine running lights.....14938a
floats (see alarms, tank) 106
Tell-tales, rope.....14939
Tellurium 14941
Telpherage, electric conveying 14941a
Temperature cements, high 2250
gauges 5311
recorders 12237a
recorders, flue gas....12233
regulating gauges (see pyrometers) 12043
regulators 12348
Tempered strip steel....14269a
wire, flat & round....16936
Temperers, corn.....14942
grain 14942
Tempering, apparatus for bath, oil 628
compounds 2929
furnaces (see furnaces, annealing & case hardening) 5046
furnaces, lead.....5092
furnaces, oil 5102
furnaces, roll.....5116
lead 7345
machines, clay.....8041
machines, bevel gear...7763
oils 10346
pots 11444
tanks 14943
to order.....14944
& hardening.....5916
Template 14945
Templates concrete road.14945a
Temple rolls.....15353
Temples, loom.....15238
Templet 14946
boards (see lumber, templet) 7658
lumber 7658
material 14947
Ten pins.....14948
Tender hose 6456a1
hose, corrugated (see hose, rubber) 6467
Tenderers, meat 14949
Tenders, traction engine.14950
tools & machinery....15614c
Tennis balls..... 478
court back stops.....14950a
net posts 11411
post reels.....12274
racket strings, gut....14486
racquet bags..... 403
racquet covers..... 403
racquet mfrs.....14951
racquet strings, gut...14486
shoes 13565
Tenoning machines, spoke.9172
machines, wood.....9483
Tenpin blocks..... 924a
last roughs.....12776a
Tension carriages.....1976
saddles & fixtures.....15357
testing machines.....9263a
Tensions, shuttle 15427a
Tent hooks & eyes.....6413
pins .....6413 & 10908
poles 11358
slides 13778
Tenter clips.....15428
Tentering machines.....15429
Tents, canopies..1832 & 14952
canvas 14952
umbrella 14953
window 14954
Teredo-proof paints.....10572
Terminal blocks..... 925
lugs 7647
Terminals, fuse (see terminals, telephone cable) 14961
light & power.....14955
primary & secondary.14956
service 14958
spring 14959
storage battery 14960
telephone cable.....14961
telephone plug.....14961
wire 14962
Terne metals.....9702
plate mfrs. (see tin plate mfrs.).....15612
Terpine hydrate 14962a
Terpineol 14962b
Terra alba.....14963
cotta, architectural...14964

INDEX

INDEX

No.

Terra cotta crestings (see roofing tile, terra cotta) 12746
cotta, enameled or glazed 14964
cotta fire-proofing, porous 4784
cotta, glazed 14964
cotta glazed roofing tile 12747
cotta graduated roofing tile....12748
Terra cotta hip rolls (see roofing tile, terra cotta) 12746
cotta lumber (see fireproof hollow tile)...4780
cotta machinery....9264
cotta mantels (see terra cotta, architectural) 14964
cotta partition tile..15596a
cotta pipe 10969a
cotta, polychrome & faience 14964
cotta roofing tile....12746
cotta roofing, tile, glazed 12747
cotta roofing tile, graduated 12748
cotta roofing tile, Spanish shapes....12749
cotta surface roofing.12716
cotta urns & vases...16247
vitrae tile....15597
Terrapin canners (see canned goods)....1829
Terrazzo flooring....14967
marble 9580
wholesale 14968
Terrets, hame....14969
Test borings....1157a
connectors, telephone & telegraph wires 14970
gauges (see also gauges steam) 5336a
gauges, pocket....5337
hole drilling machines.9265
indicators 6584
machines, smoke....9143
meters 9737
plugs 11238
pumps 11954
tees, soil pipe....14893
tube brushes 1578
tube, holders 6272a
tube racks 12090
weights 14971
Testers, Babcock (see testers, creamery) .14976
blasting machine....14973
center 14974
circuit 14975
creamery 14976
egg 14977
field (see galvanometers) 5178
fuse 14979
gasoline (see hydrometers) 6516
gauge 14980
grain 14981
ham (see tryers ham).16063
hoof 14982
inspectors' set, high pressure 14983
milk (see testers, creamery) 14976
oil 14983a
paper 14984
rail bond....14985
seed corn....14986
storage battery cell...14986a
sulphur & napthalene.14987
tire pressure (see gauges, tire pressure)5339
water meter....14988
yarn 15430
Testing, apparatus, boiler.1017
apparatus, concrete material 14988a
apparatus, core....8208
apparatus gauge 5245
apparatus, water meter 14989
bands 503
clamps, electric wire...2617
clips 2717
device, valve....16258
engineers 4340
hardness 6628
instruments, ammeter & voltmeter....6643
instruments assayers' & chemists' 6644
instruments electrical..6626
instruments & meters, electrical 14990
laboratories 7093
machines 9266
machines, axle....9268
machines blasting....14973
machines, boiler....9270
machines, brick....9271
machines, can....9272
machines, cement....9275
machines, chain....9276
machines, cloth....15431

No.

Testing machines, concrete 9277
machines, core....8117
machines, draw bar...9268
machines, fruit can....9279
machines, gear....8363
machines, hardness....9280
machines, hosiery fabric 9281
machines, hydraulic...9282
machines, leather 9283
machines, metal....9283a
machines, oil....9284
machines, paper....9285
machines, pipe....9286
machines, power....9287
machines, rubber....9288
machines, silk....15432
machines, sink & float.9289
machines, spring....9290
machines, steel....9291
machines, stone....9292
machines, tension....9293a
machines, traction....9293
machines, water meter.14988
machines, wire....9295
machines, yarn....15433
magnetos 9512
meters, water meter...9738
plugs, smoke....11231
plugs, soil pipe....11232
presses, wax....11663
pumps, boiler....11811
reels 15340
rings, plumbers'....12472
scales 13054
scales, grain....13034
sets, electrical....14991
sets, oil, see testing sets, electrical 14991
sets, telephone 14928
sieves 13625
& indicating machines file 8300
& lifting machines, muscle 8640
& measuring instruments, electrical....6626
& stretching machines, belt, combined....9266
Tetrachlorethylene 14991a
Tetrachloride of acetylene 19
of carbon....1942
of tin....14992
Textile board (see boards, compass) 15079
chemicals 2441e
machinery bearings .. 694a
machinery motors....9994
machinery supplies, etc. 14993
mill soap 13813a
oils 10346a
parts 15434
pins (see pins, cast steel) 15321
shear knives....7054
shearing machines....15372
soaps (see mill soaps).15277
supplies 14993
wrenches 17103
Textiles asbestos 254
Thallum 15490
Thalpotasimeters 15490
Thawers, dynamite....15491
powder 11456
Thawing apparatus, pipe 10970
kettles 6886
machines, electric....8263a
outfits 15492
torches 15816e
Theatre architects.... 231
brass work (see bronze, architectural, etc., 1487; also grilles, brass & bronze) 5605
curtains, asbestos....15492a
curtains, steel....15492
decorations 3675
dimmers (see rheostats, stage dimmers)....12400
doors, fireproof....3953
orchestra lift elevators.4289
organ lift elevators....4289a
seating 10370
stage hardware....5937
switchboards 14567
switches 14612
ventilation (see ventilating apparatus)...16475
Theobromine 15494
Theodolites 15495
Thephorin 15496
Therapeutic lamps....7215a
Thermal bath cabinets... 627
Thermo-barometers 6524
Thermofans 15497
Thermometer backs.... 872
bulb protecters....11702
controllers, electric....3072
dividing machines....9296
graduators 5552
hanger 5888
scales 13055
thermostat 15497a

No.

Thermometers 15498
advertising 15499
candy 15500
card-board 15501
chemical 15502
chimney 15503
clinical 15504
dairy 15505a
dial 15505
electric contact....15506
feed water....15507
fever 15507a
for oil circulation....15507b
for water circulation..15507c
heating 15508
hot bed....15509
hot water 15516
hot well 15510
incubator 15511
locomotive boiler....15527a
mechanical (see thermometers) 15498
optical (see pyrometers) 12043
oven 15512
recording 15513
resistance 15514
shower bath....15515
steam & hot water...15516
steel tube, mercury filled 15517
sugar 15518
transformer 15519
wet & dry bulb, recording 15520
Thermometric gauges (see thermometers).15498
Thermos bottles (see bottles, vacuum)....1178
Thermostat, thermometers 15497a
valves 16409
Thermostatic, automatic system, fire & manual alarms.... 103
fire alarms.... 103
metal 9679c
Thermostats 15521
Thickeners, carbon....15522
continuous 15523
slime 15523a
tray 15523b
Thickening machines, paper stock....8739
Thickness gauges....5338
Thiefs, measuring....15524
Thimble skeins & boxes.13720
Thimbles, chimney....15525
extraction 15525a
floor 15526
last 15527
locomotive boiler....15527a
sewing 15528
stove pipe....15529
wire rope....15531
Thin wrenches....17104
Thinners solvent....13385
Thiocarbanilide 15531a
Third rail block system.15532
rail insulators....6675
rail shoes (see contacts, electrical) 3041
seats (see seats, folding) 13265
Thole pins 10920a
Thorium 15533a
nitrate 15534
ores ....10393b.
Thrashing barrels, wire.. 541
machines, rag 8898
Thread board, steel....9296a
cotton 15535
cutting dies (see dies screw cutting)....3790
cutting tools....15780
dressers 15122
extractors 15154
gauges 5338a
grinding machinery....9296b
guides 15194
linen 15537
lubricators 7642
machinery 15436
milling machines... ..8609
protectors 11702a
rolling machines....8950
rolling machines, screw 9046
rubber 15538
shoe 15539
silk 15540
Threaded rods....12591
wires 17021
Threaders, needle....15541
pipe, receding....10971
wire rod....15542
Threading, dies, bolt....3755
lathes 7302a
machines, bicycle spoke.9293
machines, bolt....7790
machines, conduit....8103
machines, lag screw....8514
machines, nipple....8650
machines, pipe & nipple 8794b
machines, sheet metal.9299
machines, socket....9151
machines, stay bolt....9199

No.

Threading machines, taper 9251
steel 14270
& cutting machines, pipe 8792
Threads, screw....15543
Three cylinder compressors, motor driven, variable volume, two stage 2971b
fuse receptacles, 600 volt 12226a
groove chucking reamers 12190b
groove twist drills....4073a
way cocks 2842
way facing machines...8287
wheel carts 2104
Thresher belting.... 752
clover huller attachments for.... 280
cylinder wrenches....17105
feeders & blowers....15544
self-feeders & band cutters 13282
tanks, steel....14814
teeth 14904
Threshers 15545
bean & pea....15546
binder attachments for. 278
corn 15547
rice 15548
straw preserving & rye 15549
& cleaners, peanut....15550
Threshold, metal, air-tight 9680
Thresholds, ...15551
elevator, illuminated...6531
Throating machines, handle 8426
machines, spoke....9173
Throttle carburetors (see carburetors) 1960
cocks 2843
valves 16410
valves, electric trip...16299b
& spark controls....3074c
& trip valves combined 16292a
Throttles for generator valves 15552
Throwing shot....13579
Thrust bearings.... 695
collars 2880
& radial bearing combined 671
Thumb blanks 883
bolts 1119
latches (see latches, gate) 7227
nut blanks.... 883
nuts 10231
screw blanks.... 883
screws 13231
tacks 14693
Thumbhole cutting machines 9301
Thymol 15552a
Ticker baskets.... 618a
rolls (see rolls, adding machine) 12652
Ticket cancelling machines (see cancelling machines) 7953
cases, railroad 2124
choppers & destroyers 15553
holders 6272b
paper 10718
printing presses....11646
punches, conductors'...11991
registers (see vending machines) 9382
Tickets, pin 15554
price 15554a
& tokens 15554b
& transfers, street railway 15555
Tickings 15556
Tide recording gauges...5317
traps 15907
Tie bars, sub-switch....15557
cars 3070
dating nails....10039
dowelling machines....9302
hoists 6214a
holders, mine (see tools, railroad track) 15770
out chains....2381
picks (see picks, mattacks & grub hoes).10856
plate punches....12024
plate & guard rail brace, combined....5684
plates railroad 11137
plates, reversible....11138
plugs 11239
rods 12592
spacers 13893b
wires "Copperweld" copper clad steel...17021a
Tiering machines, portable 9303
Tiers, meat 15557a
Ties, bag....15570a
bale 15558

No.

Ties, brass, cast & mall. iron 15558a
cattle & horse.....15559
concrete steel, railroad 15560
cotton 15561
creosoted (see creosoting works) 3424
horse tail.....15562
mine 15564
poles & posts.....15565
railroad (see ties, poles & posts) 15565
reinforcing material...15566
steel 15567
steel railroad.....15568
veneer (see ties, wall).15569
wall 15569
wall for concrete forms 15570
"Tiffany" velours.....16470
Tight joint fittings.....4821
Tighteners, belt..... 731
chain 15571
Tile, actinolite roofing..12739
acid proof, for chemical works 15571a
art & decorative.....15572
bake oven.....15573
blocks, hollow..... 912
boiler 15573a
book 15574
cement floor.....15575
cement roofing 12740
ceramic 15576
cork 15577
dealers 9547
decorative 15572
ditching machines.....8190
drain 15579
enameled 15580
enameled metal.....15581
encaustic floor.....15582
fibre 15583
fire clay 15583a
fireproofing 15584
floor 15585
floor, cement.....15575
floor, encaustic.....15582
floor, mosaic ceramic.15576
floor, non-absorbent...15592
floor, slate.....13739
floor, vitreous.....15598
flooring, rubber 4891a
floors 4893a
furnace 15585a
glass 15586
glass roofing.....12741
gypsum 15587
hollow building 15588
hollow, fireproof.....4780
illuminating (see vault sidewalk lights).....16467
importers 15589
lined refrigerators & cooling rooms.....12296
machinery, drain.....8206
making machinery.....9304
metal, enameled.....15581
metallic roofing.....12742
metallic roofing, Spanish shapes.....12743
mosaic ceramic floor 15576
non-absorbent floor....15592
partition 15584
porch 15585
presses 11647
promenade roofing....12744
quarry 15593
recuperator flue.....15594
reinforced roofing (see roofing, tile, cement) 12740
roofing, Actinolite....12739
roofing, cement.....12740
roofing, concrete (see roofing, tile, cement) 12740
roofing, glass.....12741
roofing, metallic.....12742
roofing, metallic Spanish shapes.....12743
roofing, promenade....12744
roofing, reinforced (see roofing, tile, cement) 12740
roofing, terra cotta....12746
roofing, terra cotta, glazed 12747
roofing, terra cotta, graduated 12748
roofing, terra cotta, Spanish shapes.....12749
rubber 15595
setters' chisels.....2476
setters' hammers.....5801
sewer 15595a
sidewalks 15596
silos-hollow; dickey glazed 13699a
sizing machines 9305
slate floor.....13780
slate roofing (see roofing slate).....12782
terra cotta partition.15599a
terra cotta roofing....12748
terra cotta roofing, glazed 12747

No.

Ties, terra cotta roofing, **graduated** 12748
terra cotta roofing, Spanish shapes.....12749
terra vitrae.....15597
vitreous floor.....15598
wall (see tile, art & decorative) 15572
Tiles, locomotive.....7582
Tiling, acid proof (see brick, acid proof)....1400
cluster 13540
interlocking rubber (see tile, rubber).....15595
shovels & spades.....13600
Tiller wire rope.....16973d
Tillers, boat.....15599
Tills, alarm (see drawers, cash or money).....3991
Tilting furnaces.....5117a
kettles 6887
Timbale irons.....6748
Timber (see lumber).....7648
caps 6849
caps, box anchor & timber caps.....1184
carrier handles (see handles, canthook & peavy) 5821
carriers 7600
dogs (see dogs, rafting & lumber).....3875
dollies (see dollies, lumber) 3380
framing machines.....9306
gaining machines.....9307
pencil 10788
preserving machinery..9308
scribes 13238
sizing machines (see planing & matching machines) 8826
straps 14467
tongs 15677
unloaders 16238

Timbers, bridge, creosoted (see creosoting works) 3424
mine, steel.....9837
Time checks, factory.....2431
detectors (see clocks, watchman's) 2739
detonators 890
locks 7562
recorders 12238
recording system clocks 2737
stamps 14135
switches, automatic...14613
Timer rings.....12480
Timers, egg.....15602
spark 15604
Timing gears.....5401a
Tin ash, pale irons.....6748
bar & pig.....15605
bath tubs..... 628
bi-chloride of.....15605a
block 15606
boxes, seamless.....1275
buckets 10519
can machinery.....9309
can soldering frames & cylinders 5017
cans 1875
cans, cigar 1836a
castings 2193b
chloride 15607a
cigarette box machinery 8029
circles 2549
clad fire doors, counter-**balanced type** 3932b
clad fire doors, sliding & swinging type.....3932c
containers 15607
crystals 15608
cylinders 3648
dippers (see dippers, milk, water, etc.)....3820
feathered 15608a
ferrules 4670
foil 15609
foil machinery.....9310
fruit cans.....1877
lactate of.....7107
lanterns 7222
lard pails.....10518
lined kettles 6887a
lined pipe 10972
lined lead pipe.....10947
lined steel barrels..... 537
linings 7475
measures 9652
mounting machines....9311
muriate 10034
oil pumps.....11902
oxide 15609a
pails 10519
phosphor 10833
pig 15605
plate bars.....15610
plate dipperies (see tin plate mfrs.).....15612
plate lacquering & varnishing machines....9312
plate mfrs.....15612
plate, metals, etc.....15613
plate mill machinery...9313

No.

Tin plate rolls.....12702
printing presses.....11649
roofing (see tin plate mfrs.) 15612
roofing caps.....1906
roofing, in rolls.....12750
salts 15614
scrap 13095
screw tops.....15802
seals 13249
sheets 13485e
taggers 15614a
tags 14708
tetrachloride of.....14992
washers 16656
& lead lined stills....14317a
Tincture presses.....11648
Tinned copper 3186
forks 7064
knives 7064
rivets 12523c
spoons 13968
wire 17001

Tinners' dollies.....3882
furnace (see furnaces gasoline, blast).....5080
grooving machines....9314
hammers 5802
machinery (see sheet metal workers' machines & tools) 9091 & 15614c
mallets 9524
nippers 10133
oils 10347
punches, solid drive...12025
rivets 12524
rules 12828
snips 13801
solder 13869
stakes 14115
supplies 15614b
tools 15766
tools & machinery....15614c
trimmings 15615

Tinning 15615a
baths 645
flux 4914a
frames 5006
furnaces 5127
kettles 6873
machines, wire 9447a
plants, wire mill.....5175
plates, black.....854
pots 11445
sheets, copper.....15616
sheets, yellow metal...15617
& japanning.....15618

Tinos marble.....9581
Tinsel (see toys, games & novelties) 15840
cords 3204
Tinted, paint lead.....7345c
Tintometers 15619
Tinware mfrs.....15620
making machinery, pieced & seamless...9316
Tip printing presses....11649a
Tipping machines, can...7947
machines, corset & shoe lace 9317
Tipple cars.....2071
scales 13056

Tipples, coal (see tipples, mine) 15621
mine 15621
ore, steel (see tipples, mine) 15621

Tips building cores, rubber 3214
chair & crutch, rubber.15622
chair & crutch, wool..15623
conical & straight...15623a1
cutting & welding....15623a
electric cord.....15624
flatstick 15624a
gas burner 15625
gas tubing, rubber....15626
hame 15627
mine car.....15628
neck yoke.....15629
or caps railway.....15630
rubber chair & crutch.15622
screw 15631
shaft 15632
shoe lace 15632a
web strap 15632a
whiffletree 15633

Tire applying machines..9318
applying machinery, rubber 3982
applying presses 11649b
benders 783
bolt nuts.....10222
bolt wrenches.....17064
bolts 1120
brands, auto.....13749b
carriers (see holders, automobile tire) 6217
cases (see covers, tire).3339
cements 2267
chains, automobile (see chains anti-skid) ...2292
channel & cushion....15634
clamps 2555
coolers 15635
covers 3239

No.

Tire crates, automobile tire 3396
fabric looms.....15265a
fabrics 15636
factory equipment ...15640a
fillers 15636a
fluid 15637
forcing presses 11649c
grips, chain 5669
heaters 6051
heating furnaces.....5128
holders, automobile....6217
inflators (see pumps, air tire) 11796
iron forges (see heaters, tuyere iron).....6052
irons 6749
leather, automobile....7358
lock automobile chains.2296
locks, automobile.....7525
machines, rubber.....8983
or wire wrapping paper.10736a
powders 11464
preserver, automobile.15638
presses, applying 11649b
pressure gauges.....5339
pressure testers (see gauges, tire pressure).5339
protectors 11703
pump connections 3030a
pumps, air.....11796
pumps, handle.....5870b
removers 15639
repair kits or equipments 15640
repair pads.....10495
repair plugs & patches 11244
rivets 12525
rolling machines.....9320
setters 13332
shrinkers 13612
sleeves, automobile...13758
trunks, automobile....16060
turning mills 9828b
valves 16411
valves, bicycle.....16279
valves, motor.....16349
vulcanizers 16551
welding machines.....9322
wire 17001a
& rubber factory equipment 15640a

Tires, automobile (see tires, various kinds).
baby carriage 15641
cushioned, cellular, etc. 15642
for crushing machinery 15643
motor cycle.....15644
motor truck, solid rubber 15645
pneumatic, double tube 15646
pneumatic, single tube.15647
re-built 15647a
re-thread 15647b
rubber 15648
solid 15649
steel 15650
Tissue paper.....10719
paper, carbon.....10640
paper, fourdrinier....10666
paper machines.....9323
paper, manila.....10720
paper, oiled.....10721
paper printing presses.11667
paper, silver 10710
paper, stereotyping ..10721a
paper, white & colored 10722
Titan, bronze 1496a
Titanium 15651
ferro 4656
ferro-carbon 4648a
manganese 9541b
ores 10393c
oxalate 15651a
oxide concentrates ...15651b
potassium oxalate.....15652

Toasters 15653

Tobacco axes..... 354
box (tin) machinery...9324
boxes 1295
cleaning & separating machines 9325
cutters, counter.....3612
cutting machines.....9326
dryers, leaf 4128
extracts 10130
dust & stems.....15654
farming machinery....9327
granulating machines..9328
hoeing machines.....9329
hogshead machines....9330
humidifiers 6498
knife grinding machines 9331
knives 7055
leaf dryers.....4128
machinery 9332
box nails 10090
paper 10723
pouches, rubber.....15655
presses 11650
scrap cutting machines.9333
screws 13282

INDEX

INDEX

No.

Tobacco shears.....13450
stem flattening machines.....9334
stemming machines.....9335
wrapping machines.....9496a
transplanters.....15880
Tobin bronze.....1497
bronze bolts.....1121
bronze forgings.....4959a
bronze metals.....9703
bronze parts.....15655a
bronze plates.....11139
bronze sheets.....13486
bronze welding rods...12746a
bronze & copper rods.12593
metal bronze.....9703
Toboggan slides.....15656
Toe calk steel.....14271
calk swages.....14552
calk welding dies.....3803
calks, steel.....15667
Toggle boiler patch bolts.1123
bolts.....1122
bolts, boiler patch.....1123
drawing presses.....11652
presses.....11651
Toggles.....15658
wooden.....15659
Toilet articles.....15659a
articles, celluloid.....15660
boxes.....1250
brushes.....1578a
incinerators.....6538a
locks.....7546
paper.....10724
paper cabinets (see holders, toilet paper).6278
paper holders.....6273
paper machines.....9336
partitions.....10748a
pin machinery.....9337
preparation cans.....1853
sets.....15660a
sets, cased.....15660b
soap machinery.....9338
stands.....14159
& household aluminum specialties.....134
Tokens, street, railroad, to order.....15660c
& tickets.....15554b
Tolidine.....15661
Toluene denitra.....3816e
nitro.....10163c
ortho nitro.....10416
para nitro.....10741b1
Toluidine.....15661a
base.....15661b
ortho.....10416a
para.....10741c1
Toluol.....15662
recovery plants, construction.....15662a
refining stills.....14322b
trinitro.....15966a
Toluylenediamine meta..96631
Tomato canners (see canned goods).....1829
canners' machinery....9339
crushing, pulping & finishing machines...9340
pulp cookers.....3146
pulp measuring can fillers.....4710
scalders for canneries.13009
transplanting machines.9341
& fruit washers.....16656a
& fruit washers, scalders.....16619a
Tom-toms for hosiery...15437
Toncan metal sheets....13487
Tone arms.....238a
Tong bits.....843
Tongs, auto chain.....15663
blacksmiths'.....15664
bridge builders'.....15665
candy.....15667
chain.....15668
charging.....15669
cinder.....15670
clinker.....15670a
coal.....15671
crucible (see also crucible tongs & shanks, 3442).....15672
farriers'.....15664
fish.....15674
hog.....15675
ice.....15676
joist or timber.....15677
machinists'.....15679
piano hammer shank.15680
pick-up fire.....15681
pipe.....15682
platinum.....15682a
rail.....15683
rod.....15684
roofing.....15685
saw brazing.....15686
skidding (see tools, logging, etc.).....15747
stone handling.....15687
tanners'.....15689
timber.....15677
vegetable, etc.....15690
& shanks, crucible.....3442
Tongue depressor blades.. 867a
depressors.....3694a

No.

Tongue supports (see supports, wagon tongue).....14545
Tongues, wagon.....15693
Tool bags..... 423
bags, linemen's..... 424
boxes.....1295a
boxes, automobile.....1190
boxes, motor cycle.....1296
boxes, steel.....1297
cabinets.....1769
cabinets, steel.....1770
cases.....2131
cases, wood.....2131a
checks.....2432a
chest locks (see locks, cabinet).....7535
chest locks, automobile.7526
chests.....2447
cleaning soda kettles...6881
demagnetizers.....3690a
designers, special.....3716a
dressing furnaces.....5129
grinders, plain.....5623
gauges, worm thread..5353
grinders, emery.....5623
grinders, wet.....5659
grinders, wood working.5625a
handle ferrules.....4671a
handles.....5871
handles, detachable.....5832b
handles, hollow.....5845a
holder bits..... 844
holder cutters & grinders.....3619
holders.....6274
kits.....15694
makers.....15694a
makers' buttons.....1743
makers' clamps.....2618
makers' vises.....16643
post grinders.....5654
post rings.....12481
post turrets.....16184
post wedges.....16730
post wrenches.....17106
posts.....15695
racks.....12092
rolls, canvas.....12703
room enclosures.....4317a
room enclosures, wire.17001b
room lathes.....7302b
room partitions.....10748b
room railings.....12112
sets.....15697
sharpeners.....13397
stands, portable.....15698
steel.....14272
steel tubing.....16123
steel, vanadium.....14277
stones.....14359
Tools.....15698a
adjustable milling (see mills, adjustable hollow).....9757
artesian well drilling (see well drilling machinery).....9402
asphalt paving.....15699
assayers'.....15700
automobile.....15701
balancing.....15702
beading.....15703
bell centering.....15704
blacksmiths'.....15704a
boilermakers'.....15705
bonding, rail.....15769
bookbinders'.....15706
boring.....15707
brass working (see tools, pneumatic).....11317
bricklayers' (see tools, masons').....15749
brush.....7891
burring.....15708
butchers' (see specific article required)
cabinetmakers' (see specific article required).
calking.....15709
carders'.....15044
carpenters'.....15710
carving, wood.....15789
cement sidewalk (see tools, concrete finishing).....15715
cement workers'.....15711
comb.....15712
combination.....15713
commutator truing...15714
concrete (see tools, paving).....15761
concrete finishing....15715
contractors'.....3051a
coopers'.....15716
cotter pin.....15717
curriers'.....15779
cutting-off.....15718
diamond.....3731b
diamond, turning.....15719
draftsman's.....15720
drill sharpening (see drill sharpening machines).....8214

No.

Tools, drilling & fishing, oil well.....15722
electric.....15723
electricians' (see tools, linemens').....15746
engine room (see tools, packing).....15758
engineers' (see specific article required)
engravers'.....15724
expansion boring.....15725
farriers'.....15726
filiet.....15727
finishing, gutter & step.....15728
firing.....15729
framing.....15730
gardeners' (see specific article required)
glassmakers.....15731
graining.....15733
granite cutters'.....15734
granite cutters', pneumatic (see pneumatic stone cutters' tools).11312
gun cleaning & reloading.....15735
harness & saddlery....15736
hay unloading.....5975a
haying.....15738
hollow handle sets....15739
hollow mortising (see chisels, hollow mortising).....2470
ice.....6525a
ice harvesting.....15740
interchangeable.....15741
iron working (see tools, pneumatic).....11317
jewelers'.....8493 & 15787
key seating.....15742
kitchen boiler makers'.1010
knurling.....15743
lathe.....15744
lead burners'.....15745
leather workers.....15745a
linemen's.....15746
logging & lumberman's.....15747
machine.....7667
machinists'.....15748
machinists' dealers....9503
machinists' hand (see specific article required, also machinists' tools & supplies)9503
marble workers' (see tools, granite & stone cutters').....15734
masons'.....15749
measuring.....15750
metal workers' (see specific article required).
milling machine.....15751
millwrights'.....15752
mining.....15753
mitreing.....15754
molders.....15755
motor cycle chain.....15756
nailing.....15757
oil well drilling & fishing.....15722
opticians'.....8493
packing.....15758
paper hangers'.....15759
parting.....15760
paving.....15761
pipe.....10972a
pipe threading.....15763
pitching.....15764
planer.....15744
plasterers'.....15765
plumbers'.....15766
pneumatic.....11317
pneumatic stone carving.....11311
pneumatic stone cutters'.....11312
pneumatic wood carving.....11324
pump.....15767
pyrites furnace charging.....15768
rail bonding.....15769
railroad track.....15770
rivet.....15771
riveting (see pneumatic riveters, various kinds).
rock drill sharpening..15772
roll coverers'.....15345
roofing.....15773
saddler's.....15573a
saddlery.....15736
sailmakers'.....15774
saw (see specific article required).
scraping.....15775
screw machine.....15776
shaper.....15776a
sheet metal workers' (machines & tools)...9091
shingle.....15778
ship carpenters' (see adze mfrs.; also mallets; also tools, calking).

No.

Tools, shoemakers'.....15777
slaters.....15778
special.....1677aa
stone carving, pneumatic.....11311
stone cutters'.....15734
stone cutters', pneumatic.....11312
tanners'.....15779
thread cutting.....15780
tinners'.....15614c & 15766
toy.....15781
track, railroad.....15770
turning.....15781a
turpentine.....15782
turret lathe.....15783
underground conduit construction.....15784
upholsterers.....15784a
valve removing.....15785
valve reseating.....15786
watchmakers'.....15787
well drilling (see well drilling machinery).9402
wire splicing.....15788
wood carving.....15789
wood carving, pneumatic.....11324
wood turning.....15790
woodworkers' (see specific article required).
yarning.....15791
Tooth attachments, spring, for disc cultivators..... 304
axes (see axes, stone).. 353
brush cases.....2131a
brush holders.....6275
brushes.....1579
paste.....15791a
Toothless harrows.....5956
Toothpick holders.....6276
machinery.....9342
mfrs.....15792
Top bows, automobile...1180
braced cranes.....3381
filling apparatus, blast furnaces..... 884
fullers.....5035
irons.....6750
mauls (see mauls, regular line).....9638
prop nuts.....10223
renewer dressing.....4004a
roll drives for roughing mills.....4088a
strap loops, brass.....7607
swages.....14553
upholstery materials, automobile..... 332a
upholstery materials, boat..... 989b
upholstery materials, carriage.....1971a
Topping machines, paper box.....8716
Tops, automobile & vehicle.....15793
bird cage.....15793a
blast furnace.....15794
bottle, screw.....13181
chimney.....2450
chimney, revolving....2451
chimneys slate (see slate stair treads & risers).....13747
cistern.....15795
cork.....15795a
furniture.....15796
hot air furnace.....15797
molasses jug.....15798
pilot house.....15799
pole.....15800
spinning.....15801
table.....15801a
table, enameled steel..14638a
tin, screw.....15802
Torch, lamps (see torches, hand).....15813
light handles.....5872
oils (miners' torch)...10317
poles.....11370
Torches, acetylene blow.15802a
alcohol.....15803
brazing.....15804
campaign.....15805
car inspectors'.....15806
cast iron.....15807
cupola lighting.....15807a
cutting, oxy-acetylene.15817a
electric.....15808
electric blow.....15810b
engineers'.....15809
factory.....15810
gas blow.....15810a
gas lighting.....15811
gasoline blow.....15812
hand.....15813
kerosene blow.....15814
lead burner.....15814a
locomotive.....15815
malleable iron.....15816
marine.....15816a
mine.....15810
oil.....15816b
oil electric blow.....15816c

No.

Torches, plumbers' (see torches, various kinds)....15803 to 15817
shop (see torches, hand) 15813
soldering 15816d
thawing 15816e
wall 15817
welding, oxy-acetylene.15817a
Toric lenses (see lenses, optical) 7385d
Torpedo cases....2132
Torpedoes 15818
aerial 15819
oil & gas well (see torpedoes) 15818
toy 15820
& fuses, railway signal 15821
Torsion meters 9788a
springs 14037
Tote box racks....12092b
box trucks....16051
boxes, sheet steel....1298
buckets, sheet steel (see boxes, tote, sheet steel) 1298
Tourills, acid proof....15821a
Touring cases, automobile 612
Tourmalines, Brazilian ..1387a
Tourniquet chains 2391c
hooks 2391c
Tow 15822
boats 996
lines, automobile....15822a
mill machinery....9343
Towel bars.... 587
bars & shelves, plate glass 15823
baskets 618b
holders 6277
machinery, paper towel.8741
racks 12093
rings 12481a
rods 12594
rollers (see racks, towel) 12093
Towels, cotton....15824
crash 15825
electric (see machinery air drying)....7676a
huck 15826
knitted 15827
linen 15828
machinery 15828a
paper 15829
Turkish 15830
union 15831
wiper 16889a
Tower clocks....2738
derricks 3713
excavators 4466a
hand cars 2073
hooks 6397
indicators 6581
packing blocks, acid proof 897a
pumps 11955
riveting cranes....3382
transmission bolts 1124a
Towers, absorption.... 8
acid 15831a
bell (see towers, steel..15836
cement cooling....15832
chemical 15832a
combined force & national draft cooling.15833
cooling 3167c
denitrating 15833a
forced draft cooling..15833b
galvanized metal....15833c
hoisting, for coal & ore 15834
hoisting for concrete..15835
observation (see towers, steel) 15836
sand 12905
steel 15836
sulphur 15836a
transmission, electric.15876
water cooling 15837
water, fire boat....16691
windmill (see towers, galvanized metal) ..15833c
wireless (see transmission, towers & structures, electric)....15876
Towing hooks....6398
ropes, automobile....12788
Tourills, acid proof....15821a
Toy arrows 244
banks (see banks, savings) 507
bells 719a
blocks 899
cart wheels....16813
guns 5731b
hands 5885a
metal building materials 15838
motors 9962
pistols 10999a
pistols, wood....10999d
printers 11674
rifles, automatic 12413a
rolling hoops....6421b
tables, wood....14672a

No.

Toy tools....15781
torpedoes 15820
whistles 16838a
wood, pistols....10999d
Toys, electric....15839
games & novelties....15840
iron & steel....15841
mechanical 15842
rubber 15843
Trace carriers....1994
chains 2382
holders 6278
trimming machines....9344
Tracing cloth inks (see inks, drafting) 6606
cloth pounce....15844
cloth & paper....15845
wheels 16814
Track barrows.... 557
bolts 1124
brooms & brushes....1513
cars 2072a
chisels 2477
cleaners 2677
cross overs 15845a
curved 15845l
drill chucks....2531
gauges 5340
industrial 15845c
insulation 15845e
jacks 6795
laying cars....2073
laying machines, railroad 8904
levels 7401
movers railway 15845c1
narrow gauge 15845d
pins 10921
portable 15846
portable switches....14600a
pumps 11955a
punches 12026
rail grinders 5655
railway, industrial & portable 15847
riveted 15847a
salt 12874b
sander valves....16412
sanders (see locomotive sanders)....7580
scales 13057
scrapers 13124a
scrapers springs....14038
shovels 13599a
spikes, railroad....13922
sprinklers, (see cars, sprinkling, street railway) 2063
steel railroad 14258a
switch sticks....14306
switches 15847a
switches, industrial...14588a
switches, narrow gauge 14595a
switches, street railway 14614
switches, turntable ..15847b
tools, railroad....15770
twist drills 4073c
work, manganese steel.9541
wrenches 17107
& switches, permanent 15847c
Tracking overhead (see trolleys & trolley tracks, overhead)...15981
slaughter house 15848
Trackless haulage system 15849a
trolley cars 2074
Tracks, cast iron plate.15850
door hanger....15851
hay carrier....15852
portable (see railways, industrial & portable) 12131
monorail hoists....9928b
Traction concrete breakers 2982
cranes 3382a
ditching machines....8191
elevators 4290
elevators, gearless....4271
engine cars....2075
engine cocks....2844
engine gang plows....11188
engine oil burning attachments 296
engine plowing attachments 297
engine spark arresters. 241
engine tenders....14950
engines, gasoline 4413
engines, kerosene....4413a
engines, oil burning attachments for.... 296
engines, steam....4414
engines, straw burning.4415
excavators 4466b
locomotives (see engines, traction)4413 to 4415
plows 11205
testing machines....9293
wheels 16815
Tractor axles 362a
bearings 695a
bearings, farm....675ba
boilers 1038

No.

Tractor bushings....1722b
castings 2193c
chains 2382a
forgings 4960a1
frames 5014c
motors 9995
radiators 12104
scrapers 13124b
springs 14038a
transmission gears....5402
turntable, electric & air 16171
wheels 16815a
Tractors, electric storage battery 15852a
farm 15852b
fork 15852c
gas & steam....15852d
gasoline 15852e
industrial 15852f
kerosene 15853
Trade checks 2433
lacquering 7100
mark paper 10724a
mark transfers 15438
marking machinery, cloth 9345
names, automobile.... 322
publications 11706
publishers 11706
-mark stamps 15438
Trading stamps 15853a
Traffic signals, automobile 13640b
signs 13680b
time recorders....12241
Tragacanth gum 5721a
importers 15854
Trailer axles 362b
car lighting connectors 3037
trucks, automobile ...15992
Trailers, industrial....15854b
parts rear end construction 15854a
Train arrival & departure indicators 6585
brakes electric....1365
connectors, electric....3034
despatching equipment telephone 15855
order paper....10725
order signals....13654
Trainers, vine, wire....16503a
Trainmen's bags 424a
Trains, roll....15856
Tram cars....2076
rails (see rail mills, iron & steel)....12110
Trammel points....11352
Tramways (see trolleys & trolley tracks, overhead) 15981
bridge 15858
gravity 15859
wire rope....15860
& trolleys (see trolleys & trolley tracks, overhead) 15981
Transfer chains 2383
cranes 3383
filing cases 4706b
graining paper....10726
issuing machines 9346
ornaments 10414
presses, engravers'....11533
scrolls (see ornaments, transfer) 10414
tables 14669
tables, electric....14670
tables, hand power....15861
trade mark 15438
trucks....16051a
trucks, handle elevated (see trucks, automatic loading).15997
valves 16413
Transfers, decalcomania (see ornaments, transfer) 10414
endless 15862
street railway....15555
Transformer cooling radiators 12104a
cut-outs 3528
oil conservator 10238a
oil dryer & purifier....15863
oils 10348
thermometers 15519
Transformers 15864
arc furnace (see transformers) 15864
auto-regulating 15864a
bell ringing....15865
for moving picture lamps 15866
furnace, electric 15866a
heat 15867
laboratory 15867a
light & power (see transformers) 15864
pipe thawing....15868
radio amplifying 15868a
radio power 15868b
static 15869
X-R (see transformers) 15864

No.

Transit plugs for shrapnel 11239a
Transits 15870
Translucent paper 10727
signs 13680a
Transmission, automobile 15873
bearings 675a
belting mfrs. 752a
chains 2383a
chains, power....2364
gears 5403
linings (see linings, clutch 7466
machinery, power (see power transmitting machinery) 8846a
right angle....15875
rope 12767a
rope, manila 12762
silent chain 15875a
speed reducing (see variable speed transmission) 16435
tower bolts 1124a
towers & structures, electric 15876
variable speed....16435
Transmitter arms, telephone 14929
Transmitters, radio telephone 15876a
sewing machine 15877
telegraph 15878
telephone 14930
Transmitting condensers, radio 3003b
machinery, power 8846a
Transom bars (see metallic sash bars)....9683
bolts 1124b
catches 2213
centers 2280
chains 2384
lifts 7428
plates 11062
stays 14185
Transoms (see cornices & skylights) 3240
Transparent celluloid....2228
Transplanters, tobacco..15880
Transplanting machines, tomato 9341
Transportation scales...13038
tanks (see tanks, cars)14739
Trap door rings....12482
doors 3954
presses 11653
rock 15881
screw ferrules....4671
shooting traps & targets 15913
vents 16495
Trapeze bars.... 588
rings (see ring gymnasium) 12452
Traps, air....15882
animal 15883
anti-siphon 15884
back water....15885
bath & basin....15886
bear 15887
bell 15888
bends and ferrules, lead 7346
catch basin....15890
centrifugal 15891
drainage 15892
drum 15893
fly 15895
game (see traps, animal) 15883
gopher 15896
grease 15897
ground mole....15898
lavatory 15900
lead 7346
mercury 15901
minnow 15902
mouse 15903
radiator 15902a
rat 15903
refrigerator 15904
return (see traps, steam) 15908
sewer gas....15906
sewer, tide & backwater 15907
steam 15908
steam, railway....15909
stench 15910
trap shooting 15913
vacuum (see traps, steam) 15908
vacuum, absorbent.... 2
waste 15912
Traveler cleaners....15439
cups 15440
Travelers, ferry....15914
ring 15441
spinning & twisting (see travelers, ring).15441
Traveling bag frames....5015
bags & suit cases....15915
bed planing machines..8823
belt screens....13160
coal scales....13019
crane wheels....16816

INDEX

IMPORTANT The Numbers in this Index refer to the Classification direct and not the Page Number.

INDEX

No.

Traveling cranes.....3384
cranes, concentric.....3355a
cranes, electric.....3359
cranes, hand.....3364
derricks.....3714
hoists.....6215
hoists, electric.....6191
jacks.....6796
link grates.....5584
Traverse drilling machines.....8240
Traversing jacks.....6796
Trawl anchors (see anchors, fishing)..... 160a
Tray elevators (see elevators, barrel & package).....4255
handles.....5873
thickeners.....15523b
Trays, aluminum.....15916
ash.....15917
barrow, steel.....15917a
brass.....15918
cast iron.....15919
chopping, wood (see bowls, wood).....1179
counter.....15919a
developing, vitreous enameled.....15919b
drying, vitreous enameled.....15919c
enameled.....15919d
evaporating, vitreous enameled.....15919e
fibre.....15919f
glass.....15919g
gold plated.....15920
hard rubber.....15921
jewelry.....15921a
knife & fork.....15922
letter.....15923
litho. metal.....15924
pen.....15924a
perforated, vitreous enameled.....15924b
pin.....15924c
serving.....15925
silver plated.....15930
steaming.....15926
steel (see boxes, tote, steel).....1298
wash.....16617a
wooden.....15927
& scrapers, crumb...3447a
& sinks.....13710
Tread horse powers.....6441
Treadles, foot power....15928
Treads, car.....1929
car step.....1929
dog power.....15929
floor, electric bell.....4887
push button floor.....15930
rubber (see mats & matting, rubber).....9620
running board.....11145a
safety (see stair treads, various kinds)
safety, wrought steel.12868a
stair (see stair treads)
stair soapstone.....14106a
step.....11145a
Treaters, smut & seed...15932
Treating butt.....1794a
Tree cements.....2267a
decorations, Christmas (see toys, games & novelties).....15840
guards.....5704b
guards, wire.....17001c
guards, wire & wrought iron.....15932a
insulators.....6676
lamps, electric, Christmas.....7163a
moss.....9949
pruner poles.....11371
pruners (see shears, pruning).....13429
scrapers.....13119
trimmers.....15954
wound paints.....10572a
Treeing machines, shoe...9105
Treenail augers..... 317
lathes.....7303
wedges.....16781
Treenails.....15933
Trellises, wire.....17002
Trench back fillers..... 367a
braces.....1323
excavating cableways..1785
excavating machines...9055
pumps (see pumps, diaphragm).....11836
tampers (see tampers, dirt & sod).....14720
Trestles, ore, steel (see tipples, mine).....15621
painters' & masons'...15935
shaft hanging.....15936
steel (see tipples, mine).....15621
steel frame.....15938
Triangles.....15939
line wire.....15940
Triangular trucks.....16052
Tribromide, antimony... 189a
Tribromphenol.....15941
Trichloride phosphorous.10836b

No.

Trichloronaphthalene ..15941a
Triers (see t-r-y-e-r-s).
Trim (see interior hardwood work).....6688
interior, hollow metal..6687
interior, steel coach & car.....6688
Trimmers, bolt head....15942
cotton seed cake.....15946
hammers.....5791
hedge.....15943
hoof (see parers, hoof).....10743
lamp wick.....15944
lath.....7245
lawn.....15945
linseed cake.....15946
lumber.....15947
paper hangers'.....15948
photograph.....15949
saw (see printing presses & machinery).....8851
slate.....15951
spoke.....15952
tree.....15954
wall paper (see trimmers, paper hangers).....15948
Trimmers' tacks.....14694
& upholsterers' hammers.....5804a
Trimming lathes.....7304
machinery, belt eye (see belt makers' machinery).....7750
machines, bolt head....7787
machines, book.....7808
machines, box.....7864
machines, electrotype..8271
machines, oil cake.....8668
machines (punching, beveling & trimming).....8872
machines, wood.....9485
materials, automobile upholstery.....332a
materials, boat upholstery.....989b
materials, carriage upholstery.....1971a
presses.....11655
shoe shears.....13447
tables, blue print..... 959
Trimmings, automobile.. 332a
bag.....16058
bedstead.....15955
blind.....15955a
boat.....15956
boot.....15956a
car.....1930
carriage.....1970
carriage, plated.....1971
fancy box.....15958
casket.....15957
clock.....2720
furniture.....15959
halter.....15960
hardware, porcelain (see porcelain specialties).....11387
harness.....15961
hat.....15962
launch.....15956
lavatory.....7327
parasol.....15966
refrigerator.....15963
saddlery (see trimmings, harness).....15961
smoking pipe.....15964
shoe.....15956a
stove.....14395
table cutlery.....15965
tinners'.....15615
trunk.....16053
umbrella.....15966
Trinitrotoluol.....15966a
Trinket boxes.....1264a
Trip hammers.....5803
throttle valves, electric 16299b
& throttle valves combined.....16292a
Triphosphate, sodium...13860a
Triple action dies, drawing.....3766
expansion pumping engines.....4400
Triplehead wrenches...17107a
Triplex pumps.....11956
Triplicate standing & swing mirrors.....9855a
Tripod derricks.....3715
Tripods.....15966b
drill.....15967
engineers.....15968
portable folding.....15969
Tripoli.....15970
filters.....4748
Tripolite earth.....4186
(see also earth infusorial).....4185
Trippers, belt.....15971
belt, conveyor..... 723
Tripping hooks, automatic.....6303
Tripple body cars.....2078

No.

Tri-sodium phosphate soda.....13860a
Triturators.....15972
Trolley bases..... 600
brooms (see brooms & brushes, track).....1513
catchers.....2207
car poles.....11372
catchers & retrievers..2207
cord splicers.....13939
cords.....3205
ears.....15974
forks (see harps trolley).....5948
guards.....5705
harps.....5948
hoists (see trolley tracks, overhead)...15981
hoists, electric (see hoists, electric traveling).....6191
hoists, pneumatic (see pneumatic hoists)...11284
ladders.....7118
line materials.....15975
line repair wagons....16599
mono-rail systems.....9928a
pole brackets.....1347
pole clamps.....2619
pole heads.....6011
pole paints.....10573
poles (see poles various kinds).
poles, reinforced concrete.....11373
poles, wood (see ties, poles & posts).....15565
repair cars.....2079
retrievers (catches & retrievers).....2207
rollers.....12642
span bolts, wire work..1125
springs.....14039
switches.....14615
track door hangers....3897
track scales.....13058
tracks mono-rail systems.....9928a
tracks, overhead.....15981
vestibule shades.....13356
wagons.....16599
wheel axle pins.....10922
wheel bushings.....1723
wheels.....16817
wire.....17003
wire clamps.....2620
wire connectors.....3038
wire hangers.....5912
wire pick-ups.....10860
wire section insulators.6677
wire splicing sleeves...13767
Trolleys, bucket.....15975a
butchers' beef.....15976
cable.....15977
cable stringing.....15980
electric conveying.....15978
trunnion.....15979
& tramways (see trolleys & trolley tracks, overhead).....15981
& trolley tracks, overhead.....15981
Trommels.....15981a
rice.....15982
Trouble finding lamps, automobile.....7155
Troughs, conveyor.....3036
hog.....15983
meat.....15984
watering.....15985
Trout baskets, willow.... 620
nippers.....16139
Trowel handles.....5873a
Trowels.....15986
butter.....15987
concrete finishing.....15988
garden.....15989
molders' (see tools, molders').....15755
plastering.....15990
putty (see knives, putty).....7023
Troy weights(see weights, precision).....16740a
Truck bands, rubber....15991
bodies, metal (see bodies, commercial automobile, metal)..1000
bodies wood (see bodies, commercial automobile, wood).....1001
boilers.....1038
car bolsters.....1932
casters.....2143
cranes.....3385
cranes, auto.....3343
enamels.....4311
gears (see gears, wa-
handles.....5873b
jacks.....6796a
lifting platforms.....11145b
loaders.....7511
loaders, portable.....7508
presses.....11655a
scales, motor.....13039a
trailers, automobile...15992
umbrellas.....16225
units.....16232a

No.

Truck vacuum cleaners..16248a
wagons.....14818
wheels.....16817a
wheels, fibre.....16778
wheels, steel (see wheels, metal).....16792
winches.....16352
Trucks, aerial.....15993
assembling.....15996
ash can.....15995
automatic loading....15997
automobile (see automobile builders — 321 & trucks motor).....16030
automobile wrecking..15998
axles, steel..... 361
bag holder.....15999
baggage.....16001
bag & barrel.....16000
bakers (see trucks, laundry).....16027
barrel, steel.....16002
basket.....16003
binder.....16004
bottlers'.....16005
box.....16006
brick.....16007
canvas.....16009
car, steam & electric..16010
charging.....16010a
concrete mixer.....16011
core oven.....16012
dolly.....16013
drawing.....16010a
dry kiln.....16015
dry goods (see trucks, store, warehouse & factory).....16049
drying.....16015a
dye house.....16016
electric car.....16010
elevating.....16017
factory.....16049
factory, steel.....16045
farm.....16018
feed.....16019
fibre (see trucks, mill).16029
firemen's.....7125
foundry.....16021
freight (see wagons, freight, etc).....16568
galvanized iron tank..16022
gasoline engine.....16022a
gasoline motor (see automobile builders)... 321
hand.....16023
hand, two-wheel, etc..16023a
header.....16004
hook & ladder.....16024
ice.....16025
ingot.....16026
industrial.....16025a
laundry.....16027
library.....16027a
lift (see trucks, elevating).....16017
logging & lumber.....16028
mill.....16029
motor.....16030
moving.....16031
packers'.....16032
paper mill.....16033
patent leather.....16033a
pipe.....16034
plate glass.....16035
platform.....16026
platform lifting.....11145b
portable.....16036a
printers' form.....16037
publishers' packing....16038
radiator.....16039
roll paper.....16040
rolling mill.....16041
scoop.....16042
sheet iron (see trucks rolling mill).....16041
slag.....16043
steam car.....16010
steel, factory.....16045
steel, gasoline engine (see trucks, gasoline engine).....16022a
store.....16049
storage battery.....16047
stove.....16050
tiering.....16036a1
tote box.....16051
transfer.....16051a
transfer, handle elevated (see trucks, automatic loading).....15997
triangular.....16052
two-wheel.....16052a
varnish kettle.....16053
warehouse.....16049
wire mill.....16055
Truers, grindstone (see grindstone truing devices).....5664
Truing cranes (charging & truing).....3354
device, commutator....2913
device, grindstone.....5664
device, wheel.....16753
lathes, journal.....7280
tools, commutator.....15714
Trumpets, fire.....16056

No.

Trunk angles & bands... 172
boards 989
corners (see corners, box) 3233
fibre 4683
hardware 5938
hinges 6143b
iron 6711
locks 7564
machinery 9348
mfrs. 16057
racks, automobile.....12094
rivets 12526
slat staining & varnishing machines.....9349
straps 14466
tacks 14695
wardrobe, fixtures....16057a
& bag trimmings.....16058
Trunks, automobile.....16059
automobile tire.....16060
wardrobe 16061
& suit cases, sample fibre 16061a
Trunnion trolleys.....15979
Truss hoops 6422
pads 10495a
pins 10923
rods (see rods, bridge & roof).....12549
turnbuckles, wrought iron 16164
Trusses, roof (see steel structural work)....14268
Trussing machines, barrel.7735
machines, hogshead (see barrel trussing machines) 7735
Try squares.....14076
Tryers, butter.....16062
cheese 16062
ham 16063
tallow 16064
Tub fasteners.....4574
handles 5874
hoops, iron.....6423
pins 10924
shooks 13571
& pail machinery.....9350
Tubal bronze castings....2194
Tubbing machines.....9351
Tube bags, inner..... 396b
bending machines.....7761
brazing furnaces.....5130
brushes, test.....1578
cleaners (boiler tube)..2646
clips 2717a
closing collapsible machines 8085
cutters (see cutters, flue) 3554
cutting-off machines....9353
drawing machines.....8945
evaporators, horizontal 4448
evaporators, vertical..4455b
expanders 4481
filling collapsible machines 8086
filling machines 9354
hole drilling machines.8241
hole punches.....12095
insulation 6660
making machines, rubber 8984
mill feeders.....4609
mill linings.....16065
mill machinery (pipe & tube mill).....8795
mills 10989
mills liners 7461
mills linings 7463d
mills (pipe & tube)....10989
patches 10764
pointing machines.....8946
racks, test 12090
reducing machines.....9356
rolling & cutting machines, paper.....9357
scrapers 2648
speaking whistles.....16837
straightening machines.8796
tapering machines.....9358
threading machines, mill type 9358a
vulcanizers 16551
Tubes, ambrac metal sheet 142
arch & stay.....16066
asbestos (see tubing, asbestos, braided).....16091
barometer 16066a
boiler 16067
boiler bent 16067a
bottle 16068
brass (see tubing, brass & copper).....16095
candle, electric 16068a
carbon (see carbon mfrs.') 1939
collapsible 16069
combination 16069a
condenser ...2995a & 16069b
cone (see cop. tubes).15035
cooling 16069c
cop. paper.....15035
copper (see tubing, copper) 16095

No.

Tubes, despatch, pneumatic (see pneumatic tubes) 11318
draft 16069d
fibre 4683a
flashlight 16071
flexible (see tubing, flexible, metallic)..16101
fuse 16072
grain drill.....16073
graphite 16974
gravity carrier.....16075
gun 16076
igniting 16077
inner automobile.....16078
inner bicycle.....16079
insulating (see insulators & conduits)...
mailing, etc.....16080
metal collapsible (see tubes, collapsible)..16069
mica 16082
milking 16083
motorcycle 16084
nickel 16084a
paper (see tubes, mailing) 16080
pilot 16084b
pneumatic 11318
pneumatic, for bridge piers 11319
porcelain 16085
pyrometer 16086
radio vacuum 16086a
silica 16087
speaking 13900
spinning 15403
steel 16088
weldless steel (see tubing, seamless steel) 16115
wire 16089
wiring (see insulators) .....
worsted spindle.....15394
Tubing (see specific articles & index in following heading).
aeroplane 16089a
aluminum 16090
asbestos, braided.....16091
automobile 16091a
automobile pump.....16091b
bedstead 16092
beer (see tubing, rubber) 16113
bent 16121
bicycle 16094
block tin.....16108
brass 16095
brass brazed.....16096a
brass covered.....16026
brass seamless 16114a
brazed steel.....16097
bronze 16095
butted 16097a
carburetor 16097b
celluloid (see celluloid mfrs.) 2227
cold drawn seamless steel 16098
condenser 16099
conduit (see sleeving, cotton) 13769
copper 16095
copper brazed 16096a
copper seamless 16114a
evaporator 16099a
exhaust 16099b
flexible fabric 16100
flexible metallic.....16101
gas 16102
glass 16103
hard, fibre.....16104
hard rubber.....16105
hooks 6399
hot rolled seamless steel 16106
iron 16106a
iron lined.....16107
lead 16108
machinery, seamless....9051
machines, rubber.....8985
mechanical 16108a
metallic 16108b
monel metal 16108c
nickel silver.....16109
organ 16110
plated 16110a
platinum 16111
porcelain 16112
pyralin 16112a
rubber 16113
rubber, cloth insertion.16114
seamless steel.....16115
silver 16116
soft steel.....16117
square 16118
steel 16119
steel, acetylene welded 16119a
steel, brazed.....16097
steel, lock-seam.....16119b
steel, open seam.....16119c
structural 16120
swaged & bent.....16121
tapered 16122
tool steel.....16122

No.

Tubing, windshield 16124
wood 16125
zinc 16126
& nipples, gas lamp...16127
Tubs, bath (see bath tubs).
bleaching 16128
butter 16129
dye 15144
flower 16130
for washing machines.16130a
galvanized iron 16131
hoisting & dumping...16132
lard 16133
laundry, artificial stone.7318
laundry, Euclid stone..7319
mash 16134
mortar, steel.....16135
plant 16130
self-dumping 16138
wash 16139
wire cleaning.....16140
wood 16141
Tubular ammonia condensers 3008a
barrows, steel 555
boilers 1039
boilers (return tubular) 1034
condensers 3008
gaskets 5213a
goods, oil country....10238b
lanterns 7230
rivets 12527
steel barrows..... 555
turnbuckles (see nuts, sleeve) 10217
well strainers.....14443
well supplies (see well drilling machinery)..9402
well valves.....16414
Tufting buttons.....1744
machines 9359
presses 11656
Tug boats..... 996
hooks 6400
Tumbler brushes 1524
grinding machines.....9360
holders 6279
holders, wire 6280
switches 14616
washers 16657
Tumblers, glass.....16143
hard rubber.....16144
Tumbling barrel balls.... 480
barrels 533
barrels, sand blast..... 539
barrels, steel ball..... 540
machines, handle.....8426
mills 9829
or rumbling barrels... 533
steel ball barrels..... 540
Tumeric 16144a
paper 10727a
Tuners 16144b
radio 16144b
Tungstate of ammonia..16145
of soda.....16145a
Tungsten, aluminum....16146
ferro 4697
lamp fixtures.....4835
lamp posts.....11405
lamp reflectors.....12285
lamp wire machinery..9361
lamps 7216
metal (see ferro-tungsten) 4657
metallic 16146a
nickel 16147
ores 10394
wire 17004
Tungstic acid..... 55
Tungstolier fixtures.....4836
Tunnel builders.....1641a
cars 2080
cars, rotary.....2055
plates 11139a
rings (see plates, tunnel) 11139a
shields, iron & stel...16147a
Tunneling scoops.....13683
Turbine blading & calking materials.....16148
boiler cleaners.....2652
condensers, steam.....3006
driven blowers 949
driven exhausters 4477
driven generators 5431
dynamos 4182
engine oils.....10349
exhaust valves 16304a
generating sets, steam.5416
governors 5544
pumps 11957
pumps, steam.....11944
water meters.....9789
water wheels.....16149
Turbines, automatic high & low pressure steam 16151
gears, marine 5389a
hydraulic 16152
marine 16153
ship propulsion 16153a
steam 16154
Turbo blowers 950
compressors 2972
Tureens, soup.....16155

No.

Turf edgers.....4195
Turkey reds.....12251a
Turkish towels.....15830
Turmeric 16156
Turn buttons.....16165
pins 10925
plates 11140
Turnbuckles (see turnbuckles for aircraft) 16158a
blind 16157
brass 16158
for aircraft.....16158a
insulated 16159
pile 16160
pipe 16161
screen door.....16162
steel, drop forged.....16163a
tubular (see nuts, sleeve) 10217
wire rope 16162a
wrought iron 16163
wrought iron, drop forged 16163a
wrought iron truss....16164
Turndown attachments, incandescent lamp...6535
electric lamps.....7217
Turned mortars, wood....9940a
shafting 13366
wood, architectural....17036
wood boxes.....1300
wood keys 6858b
wood novelties.....17030
wood rosettes.....12772
wood sticks 14307
Turners, cake.....16166
log 7692
wood, automatic & variety 16167
Turning chisels (see chisels & gouges, carpenters') 2472
device, crank 3389
lathes, automatic, wood 7253a
lathes, axle.....7254
lathes, broom handle (see broom handle machinery) 7889
lathes, crankshaft.....7261a
lathes, gun.....7272
lathes, handle.....7275
lathes, pulley.....7290
lathes, roll 7293
lathes, shaft 7296
lathes, shell.....7296a
lathes, shoe last (see lathes, last) 7284
lathes, variety.....7307
machines, ball.....7710
machines, bolt.....7791
machines, clock pinion.8046
machines, cloth.....15070
machines, crank pin...8151
machines, head 8437
mill chucks.....2507
mills, tire 9828b
tools 15781a
tools, diamond.....15719
tools, wood.....15790
& boring machines....7836
& boring machines, vertical 7837
& chucking machines, automatic 8022
& enameling, wood...17037
Turnings, lignumvitae....7447
wood 16167a
wood, automatic.....17038
wood, electrical.....17039
Turnip shredders.....13610
Turnouts (see switches, switch stands & fixtures) 14610
Turnover buckets 1618a
plate, steel mill.....16167b
Turnpins, plumbers.....16167c
Turns, cupboard.....16168
Turnstiles 16169
Turntable equipments...16170
lathes 7305
tractors, electric & air 16171
switches & track.....15847b
Turntables 16171a
automobile 16172
automobile washstand.16173
ball bearing.....16173a
industrial railway.....16174
mine (see railways, industrial & portable).12131
overhead 16176
pressed steel.....16177
show case.....16178
standard gauge.....16179
Turpentine 16180
cups 3504
machinery 9362
mineral 16181
retorts 12392
stills 14323
substitute 16182
tanks 14815
tools 15782
wagons 16601

INDEX

INDEX

No.

Turret attachments.....16183
drilling machines.....8242
heads 6012
lathe reamers.....12211
lathe tools.....15783
lathes 7306
machines, automatic...7703
Turrets, tool-post.....16184
Turtle canners (see canned goods).....1829
Tuscan reds 12251b
Tuyere cocks 2845
iron forges (see heaters, tuyere iron).....6052
iron heaters.....6052
irons 6751
pipe 10973
valves (see cocks, tuyere) 2845
Tuyeres & coolers.....16186
Tweezers 16187
piano makers'.....16188
self-locking 16189
Twilled wire cloth....16920d
Twin bolts for hollow walls, metal, etc.....16190
Twine armature (see cordage & twine mfrs.) ..3196
asbestos (see asbestos material) 254
balling machines.....15443
binder 16191
box 16192
boxes 1301
broom 16193
cotton 16194
cutters 3591
flax 16195
ham 16196
harness 16197
hemp 16198
holders 6281
jute 16199
linen 16200
making machinery (see cordage, machinery).8109
mfrs. 3196
mattress 16201
paper 16202
papermakers' 16203
sail 16204
seine 16205
shook 16192
tarred hemp.....16206
wool 16207
wrapping 16208
Twist augers..... 318
belting 750
counters 15091
dowels 3969a
drill collets 2883
drill cutters 3613
drill gauges (see gauges, drill).....5277
drills 4070
drills, high speed & carbon steel 4070
drills, straight, shank, taper, length 4073
bit stock 4071
bonding 4071a
center 4071b
Coes' ⅝-in. shank...4071c
four groove 4073a
jobbers 4072
letter sizes 4072a
oil 4072b
Prentice ½-in. shank4072c
S. & D. ½-in. shank.4072d
3-groove 4073a
taper shank 4073b
track 4073c
link coil chains.....2385
& hut augers..... 318
Twisted high speed steel reamers 12198
link chains 2379a
moldings 9394m
wire 17005
Twister stop motions...15288
Twisters, carpet.....15444
cordage 15445
cotton 15446
silk 15447
wool 15448
yarn 15449
& handcuffs.....5808
Twisting frames (see twisters, various kinds).
machines, bar.....7729
machines, wire.....9448
travelers (see travelers, ring) 15441
Two-part teeth.....14905
stage compressors, motor driven, three-cylinder, variable volume 2971b
wheel trucks 16052a
-wheeled carts.....2105
-wheels, hand trucks.16023a
Tyers, bag.....15570a
Tying devices.....3728
machinery, box shook..7862a
Type cases.....2133
casting machines.....9364
cleaning brushes.....1580

No.

Type embossing presses..11657
founders, lead.....16210
rubber 16211
setting & type distributing machines.....9365
steel 16212
wood 16213
Typewriter cabinets.....3717
carbon papers (see paper, carbon).....10639
oilers (see oilers, sewing machine).....10268
oils 10350
paper 10728
parts 16214
platens 11052
ribbon clamps 2555
ribbon hooks 6400a
ribbons 16215
rolls 12704
spools, ribbon 13952a
springs 14039a
stands 14141
Typewriters 16216
adding & billing.....16217
shorthand 16218
telegraphic 16219
Typewriting machines (see typewriters)...16216
"U" bars & shapes, steel.14273
bolts 1126
U. S. P. ether.....4440
U. S. P. zinc oxide (see oxide of zinc, U. S. P.)
Ultra violet rays producing apparatus 16220
Ultramarine blues.....16221
Umber, burnt 16222
raw 16222
Umbrella canopies.....1832
cloth 2755
ferrules 4663a1
handles 5820
holders 6282
mfrs. 16223
mountings 10020
parts, steel.....16224
racks (see stands, umbrella) 14160
rings 12483
rod, steel 14274
rods 12594a
stands 14160
sticks 14308
tents 14953
trimmings 15966
wire 17006
Umbrellas, folding.....16224a
wagon, truck & advertising 16225
Unbaling presses, tie...11646a
Uncoupling devices 3728a
Under reamers.....12212
Undercutting & shearing machines, coal.....8058
Underfeed mechanical stokers 9658b
Underframes, steel car..16226
Underground box connections 3031
cables 1779
conduit construction tools 15784
conduits 3019
construction sleeves & tees 13768
force pumps.....11958
gasoline, storage barrels 528
gasoline storage & pumping outfits.....5216
rotary ash receivers...12219
tanks (see tanks, storage, etc.).....14810
valve wrenches.....17074
Underwear dryers.....15133
folding & cutting machines 15168
labels 7089
Underwriters' pumps ...11959
valves 16416
Unfading green roofing slate 12738
Unhairing machines, leather 8551
Uniform bags..... 376
buttons 1745
Uniforms, athletic & baseball 16227
employees' 16228
Union elbows.....4208
fittings (see fittings, pipe) 4816
tees 14894
towels 15831
washers (see washers, fibre) 16633
Unions 16229
all brass.....16229a
ball joint 16229b
brass brazing & flared tubing 16230
brass & iron.....16231b
flanged 16231
flared tubing.....16230
forged steel 16231a
malleable 16231b
& nipples, soldering...16232

No.

Unison telemetric pressure gauges.....5341
Unit heaters 6052a
Units, resistance 12377
truck 16232a
Universal balls..... 428
bolters 1050
couplings 3314
drill tables.....14649
grinders 5656
jacks 6797
joints 6848
milling machines.....8610
plates 11141
radial drilling machines 8243
screw cutting gauges..5342
wood working machines 9487
Unloaders, ballast 441
car 7512
coal car.....16233
grain & fodder.....16234
hay 16234
portable (see conveyors, portable) 3128
sling 16235
stone 16236
sugar cane car.....16237
timber 16238
vessel 16239
& loaders, ballast..... 441
Unloading car chutes....1915
machinery, boat.....7782
machinery, hay 8432
plows (see ballast loaders & unloaders)..... 441
Unmounted bells..... 721
electric bell gongs.....5529
gongs 721
"Uno" shadeholders....13346a
Upholsterers' hammers...5804
nails (see tacks, upholsterers') 14696
needles 10117
tacks 14696
tools 15784a
webbing 16718
& trimmers' hammers..5804a
Upholstering hardware...5939
springs 14018
Upholstery 16239a
fabric 16239b
felts 4632
leather 7368a
looms 15266
materials 16239b
materials, automobile (see automobile trimmings) 332a
materials, carriage (see carriage trimmings) 1970
Upright drilling machines (see drilling machines vertical) 8244
Upset machinery, forgings.4952c
rods 12595
Upsetters, tire.....16240
Upsetting dies.....3805
forges 4933a1
machines, axle.....7708
machines, bolt 7792
& forging machines....9366
& welding machines, axle 7709
Uranate, sodium.....13860b
Uranium 16241
chloride 16241a
ferro 4658
nitrate 16241b
ores 10395
oxide 16242
salts of.....16242a
sulphate 16242b
Urea 16242c
Urinal slabs, etc., slate.13749
slabs, stone.....14349
stall legs.....7374
stalls 16243
strainers 14444
Urinals, public.....16244
Urinometers 16245
Urn burners.....1695
gauges 5343
Urns, bronze 1493
tea & coffee.....16246
vases & tripods.....16462
& tripods, vases.....16462
& vases, terra cotta..16247
Utensils, asbestos cooking (see asbestos household articles).. 252
cooking, china 3149a
kitchen & institution (see cooking apparatus) 3147
Utility cabinets, steel....1771
Utilizers, waste heat (see fuel economizers)....5031
V belts 761
blocks 925a
crimp roofing 12751
dump cars 2080b
notch meters.....9739a
Vacuum boosters.....1143a
bottles 1173

No.

Vacuum brakes 1373
breakers 1396
carpet sweepers.....14557
cleaner attachments... 306a
cleaner balls..... 481
cleaner brushes.....1581
cleaner handles.....5876
cleaner hose (see hose, wire wound).....6474
cleaners, hand & power 16248
cleaning blowers..... 951
cleaning pumps.....11961
concentrators 2978
condensers 3008b
controllers 3073
draft gauges.....5344
drum dryers.....4145a
dryers 4145
dryers, milk.....4131
drying & impregnating apparatus.....16249
evaporators 4455a
filters (see filters, slime) 4746
gauges 5343a
gauges, recording.....5318
groomers, live stock...5679a
hammers 5805
heating system.....6067
kettles 6887b
milk dryers.....4131
pan castings 2195
pans 10614
process of impregnating 6533
pumps 11960
pumps dry & wet....11963
pumps, laboratory.....11886
recorders 12241a
recording gauges.....5318
relief valves 16869b
rolls 12705
rotary dryers.....4145b
shelf dryers.....4145c
stills 14323a
traps(see traps, steam)15908
traps, absorbent 2
tube panels, radio ...10580b
tube sockets, radio...13842
tubes, radio 16086a
valves 16419
valves, automatic air.16420
water works pumps for priming 11970
& pressure relief valves 16369b
Valeriate, ammonium ... 154d
amyl 156d
Valeric acid 55a
Valleys, roll tin.....16250
Valonea importers.....16251
Valve bags..... 425
balls 482
balls, rubber 16252
boxes 1302
castings 2195a
chamber boring machines 7819
conductor, chains 2313a
controllers 3074
cups 16254
curbs 3509
discs 3844
floor stands 4886
gear locomotive 5633
grinders 5657
grinding compounds...2951
grinding materials (see steel, emery).....14218
handle & wood ring machines 9475
handles 5877
housings 6487
indicators 6586
inserting machines.....9368
leather 7362
lifters (see tools, valve removing) 15785
lime bags.....425a & 7447a
mfrs. 16254a
mfrs. for steam, gas & water 16255
milling machines.....8611
motors 9997
oils 10351
operating device, steam engines 16255a
prongs 11685
removing tools.....15785
re-seating machines...9369
re-seating reamers....12213
re-seating tools.....15786
rod plunger.....10999e
seat, ball.....16256
seat milling machines.9370
seat planing machines.9371
seats 13270
springs (see springs, coil or spiral).....14006
stems 16257
tapping, reaming & seating machines....9372
testing device.....16258
wheel machinery 9373
wheels, metal.....16818
wheels, wire.....16819
wheels, wood.....16820

No.

Valves accumulator.....16259
acid 16260
acid egg.....16261
Adams (see valves, Y).16429
Aiken operating.....16262
air 16263
air discharge, pressed steel 16264
air, for coal mines....16265
air regulating.....16266
altitude controlling...16267
ammonia 16268
angle 16328
anti-freezing 16269
asbestos packed.....16270
automatic air (see valves, air) 16263
automatic air vacuum.16420
automatic drip.....16271
back pressure.....16272
back water & sewer gas 16273
balance 16274
balanced float 16274a
balanced, lever.....16275
ball 16276
ball stock 16277
bell end 16278
bicycle tire.....16279
blast furnace.....16280
blast & gas.....16281
bleeder 16282
block tinned, brass & iron 16282a
blow-off 16283
boiler feed.....16284
boiler stop 16285
butterfly 16286
by-pass 16287
carbonic acid gas....16288
cask 16289
check 16290
check, screw down...16287
chimney 16291
chronometer 16292
closet flushing (see valves, flushing)....16309
coke oven.....16315
cold blast.....16332
combined trip & throttle 16292a
conductors' 16293
control, pressure & temperature 16369a
corner 16294
corner radiator.....16376
Critchlow 16295
cross 16296
cut-off 16297
cylinder operated.....16298
diaphragm reducing..16299
drinking fountain, foot action 16311
drip, automatic.....16271
duplex marine 16299a
electric trip throttle..16299b
electrically operated..16300
emergency 16301
engine & tank.....16302
exhaust 16304
exhaust, turbine 16304a
fibre 16305
flap 16307
float 16308
flushing 16369
flushing, sewer.....16338
foot 16310
foot action, for drinking fountains.....16311
gas (blast & gas)....16281
gas log.....16313
gas main.....16314
gas, oven.....16315
gas producer plant..16315a
gas, safety.....16316
gas shut-off.....16317
gas, Siemen.....16318
gasoline, needle point.16355
gate 16319
gate, for water mains.16320
geared 16321
generator 16322
globe & angle.....16323
greenhouse 16324
grinder 16325
gulland automatic water 16326
hatters' 16327
high pressure.....16328
high pressure, natural gas 16329
hold open stop check.16329a
hopper 16330
hose 16331
hot water radiator...16377
hot & cold blast.....16332
hydraulic 16333
hydraulic back pressure 16333a
hydraulic operating...16334
hydraulic pressure controlling 16335
hydraulic pulpit.....16336
indicator 16337
irrigation 16337a
Jenkins type 16338
lavatory 16339
lead lined.....16340

No.

Valves, leather.....16341
lever 16342
lock 16343
lock shield.....16344
locomotive 16345
locomotive blow-off ..16345a
low pressure 16346
m m m, metal.....16347a
magnetic 16346a
marine 16347
modulation (see valves, radiator inlet) 16377
motor operated.....16348
motor tire.....16349
motorman's 16350
mud 16351
muffler, cut-out 16352
natural gas 16353
natural gas, high pressure 16329
needle 16354
needle point, gasoline.16355
non-return 16356
oil 16358
oil burner needle.....16359
oiler 16360
open-hearth furnace..16361
piston 16363
plug 16365
pop safety 16366
poppet, for gas engines 16367
power house.....16368
pressure reducing.....16369
pressure seated, pneumatic 16369a
pressure & vacuum relief 16369b
pulpit hydraulic.....16336
pump 16370
pump regulating.....16371
quick closing.....16372
quick opening.....16373
radiator, automatic air (see valves, air)....16263
radiator back-offset...16375
radiator, corner.....16376
radiator, inlet 16377
radiator, venting 16378
regrinding 16379
regulating (see regulators, pressure).....12342
relief 16381
renewable disc.....16381a
renewable seat.....16382
return level (see valves, air) 16263
reversing 16383
rubber 16384
sacking 16385
safety 16386
screw down check....16387
sewer flushing.....16388
sewer gas.....16273
sheer 16389
shower bath.....16390
shut-off, gas.....16317
sight feed.....16391
slide 16392
snifting 16393
solenoid operated.....16394
special designs.....16395
standpipe 16396
steam air.....16397
steam feed.....16398
steam, gas, water....16398a
steel 16399
stocker engine regulator 16400
stop 16401
stop check 16401a
street sprinkling.....16402
sugar wagon.....16403
super-heat 16404
surgical laboratory & sink 16405
syphon 16406
tank 16407
tanner operating.....16408
thermostat 16409
throttle 16410
tire 16411
track sander.....16412
transfer 16413
tubular well.....16414
tuyere (see cocks, tuyere) 2845
underwriters' 16416
vacuum 16419
vacuum, automatic air16420
vapor heating 16421
vault 16422
venturi type 16423
washing machine.....16424
water cooled.....16425
water relief.....16426
water sealed.....16427
whistle 16428
"Y" 16429
& fittings, monel metal.16431

Vamp edge folding machines, shoe.....9106

Vanadic, acid 55b

Vanadium alloys (see ferro-vanadium) 4659
alumino 130
bronze castings.....2196
cupro 3491

No.

Vanadium cylinders.....3649
ferro 4659
gears & pinions.....5412
iron castings 2197
metal castings.....2198
ores 10396
steel 14275
steel axles..... 363
steel bars.....14205
steel billets..... 803
steel blooms..... 803
steel castings.....2199
steel, cold drawn.....14210
steel die blocks.....3741
steel dies.....3806
steel forgings.....4961
steel gears.....5404
steel plate.....14276
steel sheets.....14276
steel springs.....14040
steel slabs..... 803
tool steel.....14277
wire 17007
Vanes, weather.....16714
Vanillin 16432
Vanner, belts 761a
Vanners, frue.....16433
Vanning machines (see vanners, frue).....16433
Vans, moving.....16434
Vapor, condensers.....3009
gas lamps, incandescent 7185
heating systems.....6068
heating valves 16421
lamps 7218
system car heaters....6021
Vaporizers, electric (see primers, gasoline, engine) 11671a
Variable speed countershafts 3275
speed motors.....9998
speed transmission....16435
volume, motor driven compressors, three-cylinder, two-stage..2971b
Variators 16436
variegated roofing slate, purple & green 12738a
Variocouplers, radio ...16436a
Variometers, radio 16436b
Variety molding machines 9374
sawing machines.....9375
turning lathes.....7307
wood turning machines 9376
Varnish, armature & field coil (see varnishes, insulating) 16451
brushes 1554
can machinery.....9377
can nozzle crimping machines 8158
can plugs 11239b
cans 1863
clarifiers 2625
clear 16436c
cloth 16437
dryers 4146
floor Parker 10744a
gums 16438
kettle trucks.....16053
kettles 6876
makers' machinery.....9378
mfrs. 16439
oils (see oils, paint)..10322
removers (see also paint mfrs., 10525).....16439a
renovator 16440
stains 14095c
substitutes 16441
tanks 14816
Varnished muslins.....10036
tape (see cloth, insulating) 2753
Varnishes, architectural.16442
asphalt 16460
asphaltum 16443
automobile 16444
baking 16445
black 16446
bronzing 16447
carriage 16456
cotton tie 16448
embossing 16449
enameled leather.....16450
floor (see floor finish)..4883
insulating 16451
linoleum 16452
lithographic 16455
marine 16453
oil cloth.....16452
piano 16454
printing 16455
railway 16456
rosin 16457
rubbing 16458
shellac (see shellac)..13490
spar 16459
Varnishing machines.....9379
machines for rubber mills 9380
machines, label.....8510
machines, rubber 8986
machines, tin plate....9312

No.

Vaseline (see petrolatum) 10822
Vases, cast iron, for garden 16460a
coal 16461
fountains, etc......5000
hatpin holders 16461a
terra cotta 16247
urns & tripods. 16462
Vat hooks, tanners'.....6395
Vats, cheese factory....16463
cream 16465
die 16464
milk 16465
wood 16466
Vault fronts 5029a
furniture, metallic (see bank & office fixtures, metallic).... 505
light doors (see doors, sidewalk) 3950
lights, plain & prismatic 16467
lining, slate (see burial cases & vaults, slate) 1663
steel 14240
valves 16422
& sidewalk lights, plain & prismatic.....16467
Vaulting poles.....11375
Vaults, bank 504
burial, concrete.....1662
burial, metallic 1662a
burial, slate.....1663
burial, stone.....1664
wall 12860
Vegetable canners (see canned goods) 1829
cannery cookers 3144
cannery cooling machines 8105
cookers (see cookers, steam) 3145
corers 3210
cutters 3614
cutting machines.....9381
fibre brushes.....1540
forks 4979
glue 5518a
knives 7041
oil soap.....13814
oils 10352
packages 10442
parers 10742
sinks 13709
slicers 13771
tallow 14717
tongs 15690
washing machines.....9393
Vehicle, brakes & governors, motor 1374a
taps 14843
top joints (see joints carriage & automobile prop top).....6833
tops 15793
washers 16658
wheels, steel.....16812
children's 16468
Vellum & fabrics, for printing 16468a
Velocipede cars.....2081
cars, gasoline motor (motor inspection)....2047
hand, motor cars.....2033a
Velocipedes 16469
Velour "Tiffany".....16470
Velvet brick.....1464
looms 15267
nap brick 1485
Velvets 16471
Vending machines.....9382
Veneer boxes.....1302a
built-up woods.....16472
cutting machines.....9383
dryers 4147
drying machines.....9384
knives 7056
lathes (see veneer cutting machines).....9383
mfrs. 16473
panels 10581
press casters 2143a
presses 11658
saws 13003
seating 13257
taping machines 9384a
ties (see ties, wall)..15569
Veneered doors..... 3935
drums (see packages, fruit & vegetable) ..10442
Veneers, retainers for, patented 12385a
Venetian blinds 897
mosaics (see mosaics, floor) 9943
reds 12252
Vent boxes 1303
Ventilated wardrobes, school & hotel.....16615
Ventilating apparatus, electric 16474
apparatus for power plants, factories, etc.16475
apparatus, mechanical (see fans, exhaust or ventilating, 4533; also blower mfrs.)..... 935

INDEX

INDEX

No.

Ventilating apparatus, ship 16477
apparatus, skylight...13729
cabinets 16477a
caps 1908
controlling rods....12596
engineers, consulting...6070
engineers, contracting (see heating contractors) 6061
fans (see fans exhaust or ventilating)....4533
fans, engine connected (see blower mfrs.)... 935
fans (exhaust or ventilating) 4533
fans, mine....4535
fans, roof....4538
fireplace grates....5585
grates, exterior wall...5584a
fireplace 5585
grates 5585
sash bolts....12917
sash locks....7559
sets, portable 16477
systems 16477a
Ventilator mfrs....16478
& skylight combined..16479
shutters 13616a
Ventilators, barn....16481
brick wall....16482
building 16482a
cap 16482b
car 16483
closet 16484
cupola 16485
electric, exhaust & intake 16485a
garage 16485b
hat 16482b
kitchen 16485c
mattress 16482b
mine 16486
roof 16486a
sash lift....16487
ship 16488
sidewalk 16489
skylight 16489a
stained glass window.16490
stove pipe....16491
water closet....16492
window 16493
Venting radiator valves.16378
Vents, air 16493a
core 16494
roof 16494a
trap 16495
Venturi type meters....9739b
valves 16423
Verandas, iron (see grilles, wrought iron) 5606
Veratrine 16496
Verdigris 16497
Vermicelli machinery....9385
Vermillion 16498
Vernier calipers....1805
Vert d'estours marble....9582
Vertical boilers....1040
boring & turning machines 7831
coiling doors (see partitions, wood rolling).10749
drilling machines....8244
dryers 4143
engines 4417
grinders 5658
metal boring machines (see boring & drilling machines, horizontal) 7832
milling machines 8612
shears 13453
tool lathes....7308
tube evaporators....4455b
Vessel unloaders....16239
windlasses 16362a
Vessels, acid.... 56
decomposing 16498a
& linings for fireless cookers, alumium ... 138
Vestibules, car 16499
Veterinary instruments..6645
Vials, glass....16500
homeopathic 16501
wooden 16501a
Vibrating screens 13162
screens, electric 13162a
separators, inclined....13304
Vibrators, foundry....16502
massage 16503
Vienna lime....7457
Vine trainers, wire....16503a
Vinegar machinery....9386
shavings 13404
stills (see machinery, vinegar) 9386
Viner feeding machines, canners' 7959
Violet acid 56a
chrome 2499b
methyl 9742b
rays apparatus 16503b
rays, ultra producing apparatus 16220
Violin bridges....1478a
chin rests....12384
mutes 10036a

No.

Virgin oils 10352a
Viscoloid 2227
Viscosimeters 16504
Vise, anvil & drill combined 193
drilling attachments..16505
pipe grip....16506
stands, portable 16507
& anvil combined.... 194
& drill combined....4011
Vises, amateur....16508
anvil, combination, etc. 16509
automobile 16510
ball 16511
band saw....16512
bench 16513
bicycle 16514
blacksmiths' 16515
cabinet makers' (see vises, coach makers' or woodworkers')...16520
carpet 16516
chain pipe....16517
chipping 16518
clamp 16519
coachmakers' 16520
cutters' 16521
drill press 16521a
drilling machine....16522
farmers' 16523
filers (see vises, saw)..16540
foot, blacksmiths'....16524
hand 16525
horseshoers' 16526
jewelers' 16527
linemen's 16528
machine tool 16528a
machinists' 16529
manual training....16530
milling 16530a
milling machine....16531
oil cloth....16516
oval slide....16532
parallel 16533
pattern makers' (see vises, coach makers' or woodworkers', 16520; also vises, bench)...16513
picture frame....16534
pin 16535
pipe 16536
pipe, combination....16537
planer 16538
rule bending 16539
saw 16540
shaper 16538
solid box....16542
tool makers'....16543
woodworkers' 16520
Visible filing systems....4706a
Visors, automobile, storm a glare 16543a
Visual signals....13640
Vitreous enameled developing trays....15919b
enameled drying trays.15919c
enameled evaporating trays 15919e
enameled trays, perforated 15924b
enamels 4315a
floor tile 15598
Vitrified battery jars....6809
clay pipe culverts....3483b
curbing 3507
paving blocks....1466
paving brick....1466
Vitrines 16544
Vitriol blue (see chemicals, battery)....2438a
(copper sulphate)....3185
green (see copperas)..3190
oils 10352a1
white (see sulphate of zinc) 14518
Voltage regulators....12349
Voltmeter testing instruments 6643
Voltmeters 145
battery 16544a
milli 16545
& ammeters.... 145
& frequency indicator combined 16546
Volute pumps....11965
Voting machines....9387
Vulcabeston 16547
Vulcanite roofing....12752
Vulcanized fibre....4684
fibre joints....6851
fibre journals....6851
fibre packing....10475
fibre rods....12597
rubber emery wheels...4296
Vulcanizers, electric....16548
hose 16549
rubber 16550
tire & tube....16551
Vulcanizing acid.... 57
cylinders 3650
machines, rubber....8937
presses 11659
tanks 14817
Wadding, wool....17044
Waffle irons....6752
Wagon axles.... 358
bodies 1002

No.

Wagon bows 1181
box rivets....12528
box staples 14173
box strap bolts....1114
boxes 1304
brakes 1374
builders' machinery....7978
chains 2386
covers 14385
couplers 3281
drills 4074
dump boxes....16552
dump irons....6752
dumps 4162
dumps, portable....5554
elevators 4258
forgings 4939
gears 5405
handles 5378
hardware 5926
jacks 6798
loaders 7511
loaders, portable....7508
nails 10091a
poles 13374
scales....13042 & 13051
seat springs....13256
seats 1002
shaft couplers....3281
shafts 13374
shoes 13566
skeins 13719
springs 14002
stake irons....6754
sunshades 16554
tanks 14818
tanks, street sprinkler.14472
tongue supports....14545
tongues 15693
umbrellas 16225
wheel felloes 12423
wheel hubs....6491
wheel rims....12423
wheel spokes....12944a
wheels 16769
wrenches 17065
& carriage axles.... 358
Wagons, asphalt dump.16555
automobile, commercial (see automobile builders) 321
baggage (see barrows, baggage & express).. 544
bakers' 16556
brewery 16557
builders' 16558
children's (see vehicles, children's) 16468
coal charging....16560
coal & coke....16561
coaster 16562
contractors' (see wagons, dumping)....16565
dairy 16562
delivery 16564
dumping 16565
express (see barrows, baggage & express).. 544
farm 16566
farm, electric....16567
freight, teaming, etc.16568
fruit 16569
garbage 16570
goat 16571
grading 16572
hardware 16573
heavy freighting....16573a
hose 16574
ice 16575
larry coke....16576
laundry 16577
logging 16578
lumber 16579
lunch 16580
meter, motor driven..16581
milk 16582
mountain 16583
oil & pipe....16584
ore, coal & mining....16585
police & fire patrol...16586
pump, motor driven..16587
road oiling (see road oilers, etc.) 12533
rural mail....16588
scavenger 16570
school 16589
self-dumping 16590
spreading & haulage, reversible 16591
spring 16592
stave 16593
steel 16594
stone 16595
stone spreading....16591
street sprinkling....14472
sugar 16596
tank 16597
tea 16598
trolley line repair, etc. 16599
turpentine 16601
wire nail....16602
Wainscoting 16603a
Walkers, baby....16604
Walking jib cranes, electric 3368
listers & drills....7496
plows, wheel....11206

No.

Wall anchors.... 166
beds 700
boards 16605
boxes 1305
burlaps & canvas....16606
cases (see boxes, switch) 1286
coping 3170a
coping mfrs....16605b
coverings 16606
cranes 3385a
finish 16607
finish, imitation stone.16608
fixtures, electric adjustable 4825
fixtures, sectional, interchangeable 4836a
hooks 6401
hydrants 6506
insulators 6676
irons 6755
nails (see nails, self-clinching) 10081
paper 16610
paper base cutters....3615
paper cleaners....2678
paper, fireproof....16609
paper machinery....9388
paper numbering & lettering machines....9389
paper mfrs....16610
paper printing felts...4632a
paper trimmers....15948
plaster 11040
plate bolts....1128
plugs 11240
pockets 11238a
receptacle type jacks..6798a
safes, built in....12859
safes & vaults....12860
scrapers 13125
scrapers, handles....5879a
thimbles 15580
ties 15569
ties for concrete forms.. 15570
tile 15572
torches 15817
Wallets, bank messengers' 16611
Walnut oils 10352b
Wands, calisthenic....16612
Wardrobe fixtures, trunk 16057a
hinges 6143c
hooks (see hooks, coat & hat cast 6322 also hooks coat & hat wire) 6623
locks 7585
trunks 16061
Wardrobes, clothing ...16613a
office 16613
steel, fireproof....16614
ventilated, school & hotel 16615
Ware (various kinds of ware are indexed under the headings descriptive of the character thereof).
Warehouse brooms....1511a
door hangers....3391
shelving 13512
trucks 16049
Wares, metal ware....9679a
Warm air furnaces....5131
Warmers, batch 16615a
foot, soapstone 4923a1
milk, electric....16616
plate, for hotels, etc...16617
Warming machines, rubber 3983
Warning signs....13681
Warp dressers....15128
dryers 15134
presses 11660
spools 15416
stop motions....15389
washers 15469
Warpers 15450
leese 15451
slasher 15452
Swiss attachment....15453
& linkers, chain....15454
Warping mills....15455
mills, sectional....15456
Warps 15457
Wash, basins 602
basins, porcelain 602
boiler handles 5879b
boilers 1041
borings 1157a
core (see compounds, core) 3983
folding benches 775
hydrants 6507
stand turntables, automobile 16172
tray 16617a
tray hinges....6144
tray legs 7380
tub covers....3329
tubs 16139
Washboard mfrs....16618
Washbowls, sanitary....16619
Washer cutters....3016
cutting machines....9391

No.

Washer scalders, tomato & fruit 16619a
& fuller combined....15458
Washers, acid 16619b
air 16620
air brake.....16621
aluminum 16622
automobile 16658
axle 16623
axle, hard fibre (see fibre, hard).....4680
basket 16624
bibcock 16625
bone 16626
brass 16627
car box (see washers, fibre) 16633
cast iron.....16628
caster 16629
chemical 16629a
cloth 15459
clutch cone (see washers, fibre) 16633
copper 16627
cork 16630
countersink 16630a
dust 16330b
elastic 16631
fat 16626
faucet 16625
felt 16632
fibre 16633
friction 16634
galvanized 16635
gas (see purifiers & scrubbers, gas).....12030
gauge glass.....5242
gravel 16635a
hair 15459a
hydrant 16655
insulating 16636
iron 16637
lead 16638
leather 16639
leather coil, for whips, etc. 16640
lock .....7515 & 16641
malleable iron.....16642
mica (see mica, manufactured) 9746
milk can (see milk can washing machines) .8592
name plate.....16643
nickel plated.....16644
paper.....16645
phosphor bronze.....16646
plate, steel.....16647
plumbers' 16648
prop block.....16649
roof 16650
rubber 16651
sand 12906
sherardized 16652
soda glass (see washers, tumbler).....16657
special sizes, any material 16653
spring 16654
square 16654a
steel 16637
street 16655
sugar (see sugar machinery) 9227b
tin 16656
tomato & fruit.....16656a
tumbler 16657
union (see washers fibre) 16633
vehicle 16658
warp 15460
window stop.....16880
wooden 16659
wool 15461
wrought iron & steel..16637
yarn 15462
zinc 16660
Washing filters 4743a
machine casters 2144
machine parts, wood..16661
machine tubs 16130a
machine valves 16424
machinery, ore.....8678
machines, bag.....7714a
machines, barrel.....7736
machines, blue print... 960
machines, bone.....7797
machines, can & jar..7952
machines, clay.....8042
machines, clothes 9391a
machines, coal.....8059
machines, core, sand..8115
machines, dish.....8185
machines, filter cloth & bag.....8304
machines, filter mass..8305
machines, fruit 9393
machines, hair.....8415
machines, keg (see barrel washing machines) 7736
machines, laundry.....9392
machines, milk can...8592
machines, parts, metal.9392a
machines, pulp 8862
machines, rubber.....8989
machines, rubber shoddy 8976
machines, shavings....9032

No.

Washing machines, vegetable 9393
machines, waste.....9395
plants, gravel.....5588
powder (see powders, soap) 11463
soda (see sal-soda)....12870
systems, boiler.....1017
& cleaning machines, can 7927
& drying machines, blue print..... 960
& slicing machines, beet 7744
& soaking machines, bottle 7846
& testing apparatus, boiler 1017
Wash-out taps.....14864
Waste baling presses...11483
boxes 1306
cans 1879
cocks 2841
cotton & wool.....16663
detectors, water 3724
dusters 15142
end conveyors 15083
heat boilers 1041a
heat utilizers (see fuel economizers) 5031
heating dryers.....4149
machines, cotton.....15463
machines, engine cleaning 15464
oil filters.....4742
oil presses 11661
oil separators.....13292
pails (see cans, waste).1879
paper baskets..... 619
product machinery for packing houses.....9394
saturating systems....16664
savers 15465
saving machines 8674 & 9394a
silk machinery.....15466
stops 14377
traps 15912
washing machines.....9395
wool 16663
& overflows, bath....16665
& stops, compression.14382
Watch boxes 1307
case machinery 9396
case mfrs.....16666
cases 2112
counters, combination.3263
crystals 3469
demagnetizers 3691
hands 5885
screws 13233
Watches 16668
dashboard 2741
Watchmakers' lathes....7309
machinery 8047
presses 11662
tools 15787
Watchman's clocks 2739
portable clocks 2740
Water alarms, low, for boilers 104
back couplings.....3285
bath or tank heaters..6054
bottles, rubber.....16670
buckets (see pails, galvanized iron).....10507
cans, railway car.....1879a
-cart meters.....9741
circulating coolers.....3156
circulation, thermometers for.....15507c
cinder mills 9831
closet bends..... 786
closet handles, pull...5862a
closet indicator bolts..1139
closet latches.....7244
closet mfrs.....16671
closet pulls (see pulls, closet) 11760
closet ranges 16672
closet screws.....13216
closet seats.....13262
closet shields.....13521
closet tanks.....14819
closet ventilators.....16492
closets, anti-freezing.16673
closets, car.....16674
closets, low-down combination 16675
closets, school, institution, etc.....16676
closets, ship.....16677
color paints.....10573a
colorists, architectural. 234
columns, plain 16678
columns, railroad 16679
columns, safety.....16680
condensers, distilled...2999a
cooled casting tables..14671
cooled valves.....16425
cooler stands.....14161
coolers 3166
coolers, circulating....3156
cooling apparatus....16681
cooling radiators 12104b
cooling spray nozzles.13976c
cooling systems, spray.13976b
cooling towers 15887
cranes 8885b

No.

Water cranes for sprinkling wagons 3386
cranes, locomotive.....3387
cylinders (see barrels, working) 543
depth gauges.....5346
dippers 3820
distilling apparatus...16682
elevators for mine & quarry 4293
equalizers, hot 4429
evaporators 4456
feeders (see feeders, boiler) 4599
filtering & purifying apparatus 16683
filters 4749
filters, portable.....4750
flow meters (see recorders, water flow).12242
flow recorders.....12242
for reclaimed rubber separators 13316
gas apparatus 16683
gas tar 14832a
gas & casing pipe....10941a
gates (see gates, sluice)5234
gauges 5345
gauges, mine.....5305
glass (see sodium silicate) 13858a
glass gaskets (see gaskets gauge glass)....5206
grates 5585a
heaters, automatic....6053
heaters, bath.....6054
heaters, circulation....6022
heaters, coil.....6055
heaters, electric.....6056
heaters, garbage burning 5185
heaters, instantaneous.6057
heaters, open feed.....6038e
heaters, tank.....6054
heating systems, Hornung's differential hot.6065d
hose 6473
indicators (see alarms, low water for boilers) 104
jacketed kettles.....6887c
jackets for smelting plants 6767
Japan 6801a
jet air compressors....2973
level gauges.....5347
level recorders.....12242
lifts 7429
line governors.....5545
main cleaning.....2680
main plugs.....11219
main tapping machines 9257
measures 9653
meter testers.....14983
meter testing apparatus 14989
meter testing meters ..9738
meters 9740
motor fans 4541
motor pumps.....11968
motors 9999
mouthpieces, circulating (see mouthpieces for various purposes)...10021a
packing 10464a
pails 10518a
pipe, cast iron.....2139
pipe clamps.....2590
pipe mfrs., cast iron...2139
polishing mills.....9832
pressure gauges.....5345
pressure gauges, combination 5266
pressure regulators...12351
proof caps.....1909
proofing (see waterproofing).
pumps 11967
pumps, geared.....11866
purifying & filtering apparatus 16683
regulators 12350
relief valves 16426
relief valves, underwriters' 16416
screens, revolving....13151
seal gas producers....5199
sealed valves.....16427
separators for reclaimed rubber 13316
siphons for flushing sewers 13712
softening plants, railroad 16688a
softening & purifying apparatus 16689
spray cooling nozzles..3167a
sprays for acid chambers 13983
sprays for rock drills.13984
stage registers 12243
strainers 14434a
stations, railroad 16689a
sterilizers 14292
stills 14324
stills, household & laboratory 14317

No.

Water stones 14354
storage tanks.....14821
strainers, locomotive.14432
supply, air pressure..16689b
supply systems.....16690
supply systems, pneumatic 11820
supply & heating boilers 1027b
systems, drinking 4077
tank pumps, centrifugal 11820
tanks, automobile....14782
tanks, mounted on wheels 14820
tanks, paints (see paints for coating & preserving iron & steel) 10548
tanks, pneumatic.....14787
tanks, railroad.....14790
towers, fire boat.....16691
tube boilers 1042
valve mfrs.....16255
valves 16398a
valves, automatic.....16326
waste detectors 3724
well derricks.....3706
wheel driven generators 5432
wheel governors.....5546
wheel regulators (see governors, water wheel 5546
wheels 16692
wheels, turbine.....16149
-white oils.....10354
works castings (see cast iron pipe mfrs.).2139
works contractors.....3048
works gauges.....5349
works pumps.....11969
works pumps, private.11917
works pumps, vacuum for priming.....11970
works, supplies 5202 & 16692a
& heating supply boilers 1027b
Watering bowls, cow.....1178
pots 11447
troughs 15985
Waterproof belting..... 752
canoes 1884a
cement, household & belt 2237a
cloth 2755a1
collars & cuffs.....2881b
fabrics 4523b
linings, bag 7462c
paper 10729
plywood 11260a
spark collboxes.....1279
tape 14824
wire 17008
Waterproofing, boot.....16685
cloth 16686
compounds (see waterproofing materials) .16687
leather 16685
materials 16687
materials, concrete...16687a
oils 10353
paper compound 2922c
shoe 16685
Watertight bells, buzzers & push buttons.....16692b
buzzers 16692a
doors, ship 3954b
push buttons 16692a
Waterworks pumping engines 4418a
Watthour meters.....9742
meters, prepayment recording 16693
Wattmeters 16694
prepayment recording.16695
Waving irons 6755a
Wax, bayberry.....16696
bees 703
cabinet 16697
caking machines.....9397
candelilla 16697a
carnauba 16698
ceresin 16698a
chilling drums.....4105
crayons 3413
dry battery 16699
electrotypers 16699a
heads & fixtures.....16366
insulated wire.....16700
Japan 16701
ladies 7135
melter & dropper, electric 16702
montan 16702a
ozokerite, importers..16703
pans 10615
paraffine 16704
polish prepared 11330a
sealing 16705
shoemakers' 16706
soft metal.....16707
tailings & scale wax..16708
tapers 16709
testing presses.....11668
Waxed paper.....10730
Waxing machines, cloth..9397a
paper machines 8743a

INDEX

INDEX

No.

Weaners, calf.....16711
Weather proof cables (see wire, weather proof) 17009
composition shell keyless, medium 13829h
metal shell keyless, medium 13829i
porcelain shell, medium 13830
porcelain shell keyless, mogul 13831c
proof felts 4632b
proof wire.....17009
strip felts 4632b
strip packing.....10476
strips 16713
vanes 16714
Weatherboarding, iron & steel (see roofing & siding iron & steel).12753
Weavers' knot tyer.....15467
combs 15077
Weaving machines, matting 8579
machines, rattan.....8906
machines, wire.....9422
machines, wire cloth..9422
wire 17010
Web folding machines..15468
or Trail hydraulic compressors 2964
saws 13004
strap tips 15632a
Webbing belt 732
cotton 16716
dynamo 14839
elastic 16717
looms 15262
upholsterers' 16718
Wedding ring, platinum.11158a
Wedge lead.....7347
Wedges, armature 16719
axe 16720
foundry 16722
handle 16723
journal bearing.....16724
journal box.....16725
lead 16726
saw 16727
socket 16728
steel 16729
tool post 16730
treenail 16731
wooden, for various purposes 16731a
Weed burners.....1696
cutters 3617
extractors (see hooks, weeding) 6403
killers, chemical.....6963
Weeder, asparagus.....6922
teeth 14906
Weeders 16732
garden 16733
Weeding hooks.....6403
knives 7057
Weigh, boxes for coal tipples 1308
pans 10616
Weighers, conveyor.....3037
feed water.....16734
loaders & baggers, grain 16735
Weighing apparatus, Ehrhardt's 16737
hoppers 6431
machines, automatic...9393
machines, can.....7949
machines, cement, automatic 7996
machines, cloth 15469
packing & bagging machines, automatic....9899
Weights, elevator.....16738
grain (see weights, precision) 16740a
hitching 16739
hydraulic 16739a
lead 16740
paper 16731
precision 16740a
sash 12928
telephone cord.....16741
test 14971
troy (see weights, precision) 16740a
Weir recorders.....13244
Weirs, recording & totaling registers for....16742
Weiss central condensing plants 3011
Welded chain, electric...2286a
chains 2287
chains, die 2319a
chains, fire 2326a
cylinders 3651
drums (see cylinders, welded) 3651
fabric, electrically 4224
flanges 4856
headers 5979a
iron pipe.....10974
nozzles 10182a
pipe headers 10941d
rings 12485
steel bands.....6425
steel hoops.....6425
tanks 14322
wrought steel pipe....10974

No.

Welders, flue, pneumatic 11280
Welding, autogenous...16742
carbons (see carbon mfrs.) 1939
compounds 2952
contractors (see welding autogenous).....16742
dies, toe calk.....2302
electric 16744
furnace brick.....1467
furnaces 5132
furnaces, chain.....5055c
furnaces, flue.....5072
furnaces, regenerative 5133
goggles 5524a
hammers, locomotive frame 5774
machines, electric.....9401
machines, flue.....8324
machines, oxy-acetylene.9401a
machines, tire.....9322
outfit gauges 5349a
oxy-acetylene 16745
oxy-hydrogen 16746
pipe 10975
plates 11142
rail 12110a
rods, tobin bronze, manganese, etc. 12746a
steam flue 16747
sticks 14209
supplies 16747a
tables 14671a
thermit process.....16748
tips 15623a
& cutting apparatus, electric 16748a
& cutting apparatus, oxy-acetylene 16749
& upsetting machines, axle 7709
Weldless eye nuts.....10224
rings 12486
steel tubes (see tubing seamless steel).....16115
steel wire chains.....2388
Well augers..... 819
bit & jar steel.....14278
buckets 1614
casings & supplies....16750
chains 2389
curbing 3508
derricks, oil & water.3706
drilling machinery.....9402
drilling tools (see well drilling machinery)..9402
drills, artesian (see well drilling machinery)..9402
pipe 10975a
points (drive well)...11340
pulleys (see wheels, well) 16821
screens 13163
supplies, artesian & tubular (see well drilling machinery)...9402
valves, tubular.....16414
wheels 16821
Wells & inkstand.....6619
Welting, shoe.....16751
Wet batteries 654a
bulb recording thermometers 15520
machines, paper mill..9403
magnetic separators..13305a
pans 10617
tool grinders 5659
vacuum pumps.....11963
Whale oil soap.....13315
oils 10343
Whalebone 16752
Wharf builders (see dock builders) 3366
cranes 3387a
drop gearing.....5369
spikes 13925
scourers 13086
Wheat scouring & polishing machines 9403a
separators 13317
starch 14174g
washing & stone separating machinery.....9404
Wheel assembling machines 7698
grinders, band 5603a
bands, fly 493a
bottom brushes.....1537
boxing machines 9405
brushes, steel wire.....1582
chucks 2532
defect gauges.....5354
driven generators, water 5432
flanges 4857
gang plows.....11139
gauges 5350
guards 5766
guards (car wheel)....1919
hoes, garden.....6160
hoists (see hoists, contractors' material)...6133
machinery 9407
mounted tanks 14731a

No.

Wheel presses, hydraulic (see presses, car wheel) 11503
presses, hydrostatic...11581
pullers 11723
pullers, automobile....11707
road scrapers.....12535
sulky plows.....11202
truing, brake shoe.....1355
truing device.....16753
walking plows.....11206
wheels 16760
& pinion cutting machines 8786
Wheelbarrows (see various classifications under Barrows)
Wheels, abrasive (see emery & corundum wheel mfrs.).....4298
agricultural implement 16754a
aeroplane 16754
aloxite grinding.....16768
aluminum (see emery & corundum wheels).4298
automobile 16755
automobile steering...16756
automobile truck (see wheels, metal).....16792
baby carriage.....16758
ball bearing.....16759
barrow 16760
brake 16762
brass 16763
buffing & polishing...16764
bull, etc.....16764a
cable reel.....16765
car 16766
car, ball or roller bearing 16767
car (hand car).....16786
car (mine car).....16793
car (push car).....16786
car (steel tired).....16810
car (street car).....16766
carborundum grinding.16768
carriage 16769
caster 16770
chain 16770a
chilled bridge.....16771
concrete mixer (see also wheels, metal, 16792).16771a
corundum 4298
counting 16771b
crane 16772
derrick bull.....16773
derrick-double flange,.16773a
disc 16774
driving 16775
driving, steel tired....16810
dry kiln.....16776
emery 4298
emery, vulcanized rubber 4296
felt 16777
fibre truck.....16778
fifth 16779
fly 16781
fly, rope pulley.....16782
gear 16783
gear, hard fibre.....16784
gilding 16785
granite polishing.....16790
grinding (see emery & corundum wheel mfrs.) 4298
grinding, aloxite.....16768
hand car.....16786
industrial car.....16787
logging 16788
marble polishing.....16790
marine steering.....16791
metal 16792
mine car.....16793
motor truck (see wheels, metal).....16792
pipe cutter.....16794
polishing 16764
printing 16771b
propeller 16796
pulley 16796a
push car.....16786
racking chain.....16797
radiator valve, wood..16798
ratchet brake.....16799
reducing 16800
roller bearing.....16801
roller skate.....16802
rope 16803
rubber tired.....16804
self-oiling 16805
sheave 13453
solid, forged & rolled steel 16806
solid rubber.....16807
spinning 16808
sprocket 16809
steel tired car.....16810
steel truck (see wheels, metal) 16792
steel vehicle.....16812
steering, automobile..16756
steering, marine 16791
street car.....16766
toy cart.....16813
tracing 16814
traction 16815

No.

Wheels, tractor.....16815a
traveling crane.....16816
truck 16817a
trolley 16817
truck, fibre.....16778
truck, steel.....16811
turbine water.....16149
valve, metal.....16818
valve, wire.....16819
valve, wood.....16820
vehicle, steel.....16813
wagon 16769
water 16692
water, turbine.....16149
well 16821
wheelbarrow 16760
wire 16822
wire spoke.....16823
wood (see wheels, carriage & wagon), 16769; also wheels, automobile) 16755
worm (see gears, worm) 5406
& axles, ball or roller bearing 16824
Whetstones 16825
Whey separators.....13318
Whiffletree bolts.....1130
hooks 6404
irons 6737
tips 15633
Whiffletrees 13703
wood 13703
Whims, horse.....16826
handles 5879c
Whip, mfrs.....16827
saws 13005
socket fasteners.....4575
sockets 13848
stocks 16828
Whisk broom handles....5879c
broom holders.....6283
broom machinery.....9411
brooms 1512
sewing machines.....9060
Whisks, isinglass..... 698
Whistle control, s. s....16828a
pulls 16828b
valves 16428
Whistles, air.....16829
automobile 16830
Whistles, chime 16831
conductors' & starters' 16832
electrically operated..16833
for fog, factory & fire signals 16834
low pressure.....16835
motor boat.....16830
speaking tube.....16837
steam 16838
toy 16838a
White acid..... 58
arsenic 246
brass 1382
brick 1468
bronze 1498
bronze monuments & statuary 14181
cement for mortar.....2268
china (see porcelain, hard) 11286a
dustless crayons.....3404
enameling 16838b
gloss 5504a
gold, 14 k. & 18 k.....5525b
lead 16840
lead in oil.....7347a
lead machinery.....9412
lead mfrs.....16840
lead mixers (see mixers, paint) 9879
lime, magnesian.....7454
metal (see castings, white metal) 2200
metal alloys 126a
metal castings.....2200
metal handles.....5880
metal ingots.....6598
metal rods.....12599
metal, rolled sheet....16839
metal sheets.....13488
metal wire.....17012
Paris 16842
pine doors.....3955
porous clay cylinders...3652
Portland cements.....2269
print paper.....10732
sand, pure.....12901
tissue paper.....10732
trowel finishing plaster 11041
vitriol (see sulphate of zinc) 14518
zinc 17142
Whitening machines, leather 3552
Whites, rubbermakers..16840a
Whitewash brushes.....1554
spraying machines.....3693
Whiting, gilders'.....16841
mfrs. 16842
works machinery.....9413
Wholesale hardware.....5940
lumber mfrs. & dlrs..7648
marble 9522
terrazzo 14968

No.
Wick, asbestos & cotton.16842a
Wickets 16842
ornamental 16843a
Wicks, candle.....16845
felt, for electric motors, etc.....16844
lamp, etc.....16845
Wigwams 16847
Wild oat separators....13318a
Willow baskets..... 621
furniture 5152
trout baskets..... 620
ware 16848
& split baskets..... 621
Willowing machines, wool 15470
Willson office & loft directories, changeable 16847
Winches, deck steam & electric 16849
derrick 16852
electric 16850
hand power 16852
motor power 16852a
pneumatic 11321
portable 16852
steam 16850
truck 16852
& windlasses 16853
Winders 15471
ball 15472
bobbin 15015
cone 15473
cop 15474
dump scow, steam....16855
fillet 15475
hosiery 15476
invoice 16856
lap 15477
magnet 15478
oyster dredge.....16858
quill 15479
rag 16858a
skein 15480
spring 16859
yarn 15481
Winding drums 4106
drums, pneumatic....11322
engines 4419
forms, armature & field coil 4990
Winding high tension...16860
lathes 7310
machinery for hydraulic dredges.....9414
machines, armature coil 7694
machines, ball.....15002
machines, cloth..... 15061 & 15482
machines, field coil....7694
machines, hank 15483
machines, paper tube.15484
machines, wire.....9450
stands, armature.....14143
Windlasses, arc lamp...16861
barrel 16862
keg 16862
ship 16862a
vessel 16862a
yacht 16862a
Windmill chains.....2390
envelopes 4428b
oilers 10272
pumps 11971
regulators 12352
towers (see towers, galvanized, metal) 15833c
Windmills 16863
Window anti-rattlers.... 192
blind adjusters.....16864
bolts 1071
brush handles.....5880a
brushes 1583
burglar alarm springs.16879
casement adjusters.... 74
catches(see locks, sash)7557
cleaners 2679
cleaning appliances & guards 16865
display fixtures 16866
ends (see cord & sash)3202
fasteners, storm (see hangers, storm sash) 5911
fixtures, car window...1933
fixtures, display.....16866
frame machinery.....9415
frame & sash, metallic 16867
frame & sash wrought steel 16868
frames reversible.....16869
glass annealing lehrs. 7383
glass (wholesale & retail) 5463
glass mfrs 5478
guards 16870
handles 5881
hangers, storm sash....5911
opening devices (see skylight ventilating apparatus) 13729
pivots 11014
pocket cutting machines 9416
pole hooks.....6405
pull-down poles.....11376
Window reflectors.....12286
regulators 12353
sash pivots.....16874
sash, reversible.....16875
screen enamels.....4316
screen wire cloth.....16921
screen & awning, combined 16876
screens 13165
screens, metal frame.13164
screens, roller.....13153
shade adjusters..... 75
shade fixtures.....16877
shade machinery.....9417
shade mfrs.....16878
springs 14041
stop adjusters..... 76
stop screws & washers 16880
tents 14954
ventilators 16493
ventilators, stained glass 16490
Windows, basement, all metal 16880a
casement, wrought steel 16881
cellar 16882
fireproof, wire glass..16884
glass stained 16885
hollow steel) 16885a
kalameined 3962
memorial 9662
pantry, revolving.....10619
puttyless 16886
reversible 16875
rolled steel.....16887
storm 14388
Windrowers, hay 16889
Windshield cleaners 2673a
glass 5479
mirrors, automobile ...9847
tubing 16724
visor glass 5479a
Windshields, automobile.16854
Wine coolers 3167
making machinery.....9418
pumps 11971a
testing stills.....14325
Wing, dividers.....3863
nuts 10221
Winged calipers (see calipers & dividers)....1806
Wintergreen oils 10354a
Wiper cups.....3505
towels 16889a
Wipers, machine.....16890
Wiping cloths 2769
machines, can.....7950
rags (see wipers, machine) 16890
Wire 16890a
aerial & cable 16891
aeroplane 16892
aluminum 16893
aluminum bronze.....16894
aluminum coated.....16895
ambrac metal sheet ... 142
annealed (see wire, market) 16951
annealers 175
annealing furnaces....5134
annunciator 16896
antenna 16896a
antenna-aerial & antenna cord.....16897
armature banding 16898
asbestos covered.....16899
automobile 16900
automobile belts..... 755
bakers, mill..... 433
baking furnaces.....5134
barbed 16901
barbing machines.....9419
barrel hoop machines..9420
baskets 622
bedspring machinery, woven 9489
belting (see belts, automobile) 755
belts, automobile..... 755
binders, box 16901a
bluing ovens 10431
bonnet 16901b
bookbinders' 16902
bound boxes.....1309
braided 16903
brads (see nails, small), 10085; (also nails, wire) 10092
brass 16905
brass screw 16904
brazing 16905a
bright market 16951
bronze 16906
bronze screw 16904
broom 16907
brush 16907
brush drawing 16908
brushes (steel, wire)..1572
brushes (woven wire)..1584
buckles 1623
buggies 1637a
cable 16909
cable conveyors.....3139
cables, copper.....16910
Canvasite 16911
car seal.....16912
Wire carburetors 16912a
card 16913
card racks.....12058
carrying tables.....14672
chain 16914
chains, weldless steel..2388
check rower.....16915
chucks 2532
clamps, eccentric.....2576
clamps, electric testing.2617
cleaning tubs.....16140
cloth 16916
cloth, brass, bronze & copper 16917
cloth, centrifugal & filter cloth 16918
cloth, centrifugal.....2755a
cloth, door screen (see wire cloth, window screen) 16921
cloth measuring machines 9421
cloth, monel metal....16920
cloth, nickel 16920a
cloth, nickel silver....16920a
cloth, platinum.....16920b
cloth, rolled 16920c
cloth, steel & iron (see wire cloth).....16916
cloth, twilled 16920d
cloth weaving machines 9422
cloth, window screen.16921
clothes lines.....2760
coat hooks.....6323
coiled spring 16922
coiling machines.....8074
cold drawn steel.....16923
cold rolled.....16924
connecting & leading.16925
connectors 3039
connectors, sleeve.....3035
connectors, trolley.....3038
copper 16905
copper clad.....16926
copper telephone.....16927
coppered 16928
cord 16929
core 16929a
covering machinery....9451
cranes 3387b
crating machines.....9423
crimping machines.....9424
cut 16996a
-cut lug brick.....1469
cutters 3588
cutters on log cars....3618
dental 16929b
drawing benches (see wire drawing machines) 9425
drawing dies.....3807
drawing grease.....5595
drawing machinery....9425
drawing plates.....11143
drop handles.....5882
easels 4190
electric resistance 16929c
electrical (see various classifications covering specific kinds)
enameled 16930
enclosures, tool room.17001b
eyes (hook & eyes)....6414
fabric reinforcement..16931
feeder 16932
fence 16933
fence clamps.....2621
fence machines.....8293
fence splicers.....13941
fences (woven wire)...4640
fences & gates.....16934
ferrules 4672
fish 16935
fixture (see wire, insulated) 16945
flat & round tempered.16936
flattening mills.....9833
florists' 16937
flower bed guards....16938
for glass wire mfrs..16938a
forming 16938b
forming machinery....9427
forms 4990a
foundrinier 16938c
frames, take-up 5014b
fuse 5156a
galvanized (see wire, market) 16951
galvanizing machinery.9428
gas mantel 16939
gauge splints.....13942a
gauges (see gauges, sheet metal & wire).5323
gilding 16940
glass, approved fire stop 5480
glass fireproof windows 16884
glass for fireproof windows 5481
glass 5482
glass, holly.....5483
glass, polished.....5465
glass, skylight.....5484
gong bell 16940a
goods, bright.....16941
goods, kitchen.....6915a
Wire goods, mill (see drop wires, 15125; also guide wires) 15125
grips (see clamps, linemen's splicing).....2596
guards, portable lamp.7140
gun wrapping 16942
hair pin.....16943
handle machines.....9429
hanger twisting machines, eave trough).8257
hangers (trolley wire).5912
hat hooks.....6323
hay racks.....12070
heddles 15203
hinges 6145
holders 6284
hook & eye.....16944
hooks 6406
hooks & eyes.....6414
hoops 6424
infant cribs.....16944a
insulated 16945
insulating machinery...9451
iron 16946
kitchen forks.....4981
kitchen goods 6915b
lath 7251
lead 16947
lead covered (see cables, submarine & lead encased).....1779
leading 16925
link fabric for spring beds 4523
link fence.....4634a
liquor finish.....16948
loops 7611a
machine guards.....5707
machinery 9430
machinery (tungsten lamp wire).....9361
magnet 16949
making machinery, electric 8264
market 16951
mats & matting, steel.9622
mattress 16952
measuring machines...9432
mechanism, bowden..16952a
mill bakers..... 433
mill galvanizing & tinning plants.....5175
mill guides.....5716
mill reels.....12276
mill trucks.....16055
molybdenum 16952b
monel metal.....16953
motor boat.....16900
music .....16957 & 16953a
nail 16954
nail barbing machines.9433
nail cleaning machines.9434
nail machinery 9434a
nail wagons.....16603
nails 10092
nails, cement coated..10051
needle, steel.....16992
netting 10121a
netting, galvanized (see wire poultry netting) 16962
nickel 16955
nickel chromium 16955a
nickel silver.....16955a
nippers (see pliers & nippers) 11172
non-corrosive 16955b
office 16896
or wheel chucks.....2532
paning machines, rubber covered.....8966a
partitions 10748c
parts 16955c
phonograph record holders 12227
phosphor bronze.....16956
piano 16957
pickets 10849
picture 16958
pin 16959
pinion 16960
plain & galvanized....16961
platinum 11158
pointers 11337
pointing machinery....9435
polishing machines....9452
portable lamp guards..7140
poultry netting 16962
pullers 11724
radiator guards.....12098
reels 12275
resistance 16963
resistance, nickel silver 16964
rheostat 16964a
ribbon 16965
rings 12487
rivet 16966
rivet machines.....9436
rivets 12529
rod frames 5016
rod shears.....13454
rod threaders 15542
rods 12600
roof signs.....18612a
rope blocks..... 926

INDEX

INDEX

No.

Wire rope cableways (see wire rope tramways) 16974
rope, cast steel.....16966a
rope clamps.....2622
rope clips.....2718
rope, coarse laid standard 16966b
rope coating & lubricant 16967
rope couplings (see clamps, wire rope) ..2622
rope, derrick & dredging (see wire rope & cables) 16975
rope, extra pliable...16968
rope, extra strong cast steel 16968a
rope, ferries.....4645a
rope fittings 4822a & 16968a1
rope, flat.....16968b
rope, galvanized.....16969
rope, guy.....16969a
rope, haulage or transmission 16969b
rope hawsers, galvanized steel.....16969c
rope, hemp clad.....16969d
rope, hemp core.....16969e
rope, hoisting standard 16969f
rope hooks.....6407
rope indicators.....6587
rope, lang lay.....16970
rope logging.....16970a
rope lubricants.....16967
rope making machinery 9437
rope, mast arm, galvanized 16971
rope, mooring lines..16972
rope, oil well drilling lines 16972a
rope, phosphor bronze.16973
rope pulley packing ..10477
rope, rigging, galvanized, ships 16973a
rope rigging, galvanized steel.....16973b
rope seale lay.....16973c
rope shackles.....13344a
rope sheaves.....13465
rope shields.....13521a
rope slings.....16973d
rope sockets.....13345a
rope, steel 16973e
rope thimbles.....15531
rope tiller 16973d
rope tramways.15860&16974
rope turnbuckles 16162a
rope & cables.....16975
rubber covered.....16976
rule 16977
scrapers 13126
scratch brush.....16978
screen 16979
screening for coal & gravel screens.....16980
scratch brushes (see brushes, steel wire).1572
screens, centrifugal...13165a
screens, insect 13144b
screens, rustless.....13165b
screw 16966
shapes, special.....16981
sieves 13626
signal 16981a
signs 13682
signs, roof 13682a
silicon bronze 16981b
silver 13700d
skylight glass.....5484
spark plug 16981c
spark point.....16982
specialties (see wire goods, bright).....16941
spikes 13926
spindle 16983
splicers 13940
splicing tools.....15788
spoke 16984
spoke heading & bending machines.....9438
spoke wheels 16823
spooled 16985
spooling machines.....9439
spools 13952b
spreaders 13992
spring (called spring) 16922
spring, brass.13998b & 16986
spring coiling machinery 9440
spring machinery 9441
spring, steel.....16993
springs 14043
square 16987
staple 16966
stapling machinery....9442
stapling & stitching..16988
steel 16989
steel ball.....16990
steel band & hack saw 16991
steel brush (see wire broom & brush)....16907
steel needle.....16992

No.

Wire steel spring.....16993
steel telephone & telegraph 16994
stitching 16994a
stitching machines....9443
stone 16995
stove pipe.....16996
straightened 16996a
straightening machines, roll & rotary.....9444
straightening & cutting machines 9445
straightening & forming machinery.....9446
strand 16997
stranding machines....9447
stretchers 14482
stretchers (electric wire) 14478
submarine (see cables, submarine) 1779
table mats.....9615
tacks 14696a
tag 16999
take-ups (see reels, pay-out & take-up).12268
telegraph, steel.....16994
telephone, copper.....16927
telephone, steel.....16994
telephone & telegraph.17000
tempered, flat & round 16936
terminals 14962
test clamps (see connectors, wire test)...3040
test connectors.....3040
test converters 3083
testing machines 9295
thrashing barrels..... 541
tightening pulleys....11755
tinned 17001
tinning machines.....9447a
tire 17001a
tree guards 17001c
trellises 17002
trolley 17003
tubes 16089
tumbler holders.....6280
tungsten 17004
twisted 17005
twisting machines.....9448
umbrella 17006
valve wheels 16819
vanadium 17007
vine trainers 16503a
waterproof 17008
weatherproof 17009
weaving 17010
weaving dies.....3808
weaving machinery....9449
welding 17011
wheel machines.....9449a
wheels 16822
white metal.....17012
winding machinery....9450
work for banks, offices, etc. 17014
work trolley span bolts.1125
wound hose.....6474
& cable lead covered.17015
& cable, insulated....17014a
& cable, special constructed 17015a
& wrought iron, tree guards 15932a
Wireless apparatus (see radio)
fixture clusters.....2773
towers (see transmission towers & structures, electric).....15876
Wireman's calculating gauges 5351
Wires, brick cutting....17016
corset 17017
drop.....15125 & 17018
guide 15192
millinery 17019
pointed 17020
threaded 17021
Wiring cleats, car.....2684
cleats, compressed wood 2685
machines, blind.....7781
machines, rubber hose.8971
machines, sheet metal 9452a
moldings, electric 9894h
pendants 10803
cleats, fibre.....2687
presses 11563
supplies 17021a
tubes 16089a
& cleaning rods, conduit 13554
Witherite importers....17022
Withes, mast.....17023
Wood acids..... 61
advertising rulers (see advertising novelties) 79
alcohol (see alcohol, methyl) 113a
automobile commercial bodies 1001
automobile passenger bodies 1001c

No.

Wood balls 483
band sawing machines.7724
barking attachments.. 307
barking machine knives 7058
barking machines.....9453
barrels, miniature..... 542
bars 589
battery boxes.....1195
beads 659a
bearings 695b
bellows 707
bending machines.....9454
bending retorts 12393
bendings 784
bent 17025
block flooring.....4893
block paving contractors 3049
blocks 927
bobbin 17033
boring bits (see bits, machine, wood)..... 837
boring machines.....9455
boring machines, hand power 9456
boring machines, multiple 9457
boring machines, pneumatic 11323
bottles 1174
boxes 1309a
boxes, cutlery.....1216a
boxes, fancy.....1225a
boxes, polished 1265b
boxes, tool for mechanics (see chests, tool 2447
boxes, turned 1300
brackets 1348
briar 17026
buckets 10520
burning furnaces.....5135
buttons 1746
cabinets 1772
candlesticks 1827a
carpets (see floors, parquet) 4896
carvers, classic.....2107
carving machines.....9458
carving tools.....15789
carving tools, pneumatic 11324
cases, sample.....2126
cases, tool.....2131
chests, machinists' (see chests, tool) 2447
chests, tool 2447
chip dryers.....4150
chipping machines (pulp wood).....8863
choppers' mauls (see mauls, regular line) 9638
chopping bowls 1179
chucking machines....9459
cogging 2850d
conduit, creosoted.....3019a
core, prints.....3206
corks 3224
creosote 3423
crossarms 3437
crossarms, creosoted...3437a
cutting-off machines...9461
cutting-off & equalizing machines.....9462
cylinders 3653
decoy pigeons.....10866a
dippers 3322
dish machinery.....9463
dishes 3849
distillation equipment.17026a
distillation ovens 10432
distillation plants....17027
door knobs.....7076
doubletrees 13703
drums (see cases, shipping, wood).....2129a
election booths.....4210
embossing machines...8273
enamels, pyroxylin.....4312a
fan blades..... 861
faucets 4587
fibre machinery.....8296
fibre pipe.....10977
fibre plaster.....11042
fillers 4722
finishes (see hard oil finish) 5914
fire-proofing 4783
flag poles.....11366
flask stock.....4864
floor, interlocking (see flooring, wood block)4893
flooring machine knives 7056
flooring machines.....9464
floors, mosaic (see floors, parquet) 4896
flour 17028
flumes 4903
forks 4982
fret work 5603
games 5180b
gang drilling machines.9465
gang sawing machines.9466
graining machines.....9467
grille work 5603
grilles 5603

No.

Wood hames 5746
handle spoons.....13969
handles 5833
handles, enameled.....5836
handles, special.....5869a
heating stoves 14414a
impregnating plants..17028a
insulator pins & brackets 10926a
interior columns.....2905
jacket shipping cans..1872
japanned 6803
kindling 17028a
labels 7090
lacquers, pyroxylin....7104a
ladles 7136
lath 7251a
letter signs 13684
letters 7392
lignumvitae 17029
machine bits..... 837
mantels 9553
matching machines....8578
mats 9616
mill cogs 2851
miniature barrels..... 542
modelers, architectural (see carvers, wood, classic; also modelers, sculptors, architectural) 9889
mortising machines....9469
moulding machines....9470
moulds, rubber turned 9920a
mouth pieces 10862b
novelties, turned, etc..10166a
ornaments 10415
packing boxes 1309b
pails 10520
paneling machines.....9471
paving block machines.9472
paving blocks 10776
pegs 10787
pickets 10849a
pie plates 11117
piling (see ties, poles & posts).....15565
pillars 10875a
pins 10925a
pipe 10976
pipe boring machines..9473
pistols, toy 10999d
plaques 11014a
plane gauges.....5352
planing machines.....8824
planks steak & fish...11026a
plow beams 11174
plugs 11242
poles (see ties, poles & posts) 15565
polishing lathes 7311
polishing machines....9474
porch columns 2905
portable houses (see houses, sectional wood) 6484c
posts (see ties, poles & posts) 15565
preservative paints ..10563b
preservatives 17031
preserving (see creosoting works) 3424
preserving paints 10573b
primers 11672
printing presses (see box board printing machines) 7852
pulley gluing presses.11665
pulley lathes 7312
pulleys 11755a
pulp grinders 5660
milling machine 8612
mitreing machines.....9463
pulp knives.....7059
pulp mfrs. 17032
pulp presses.....11666
pulp, soda 11765
pulp, sulphite 11765a
pulp wet machines (see wet machines, paper mill) 9403
pulverizers 11778
pumps 11972
racks 12096
radiator valve wheels.16798
reels 12277
rim pulleys.....11756
rims 12422
ring & valve handle machines 9475
rings 12489
rollers 12643
rolling doors (see shutters, wood rolling).13617
rolling mats 9617
rolling partitions 10749
rolling shutters 13617
rolls 12707
rosettes & pickets (see ornaments, wood)...10415
rulers, advertising (see advertising novelties) 79
saw frames 5017
saw rods 12601
sawing machines 9476
sawing machines, circular 9477

No.
Wood sawing outfits....17032a
sawing & splitting machinery 9478
scraping machines 9479
screw machinery 9480
screws 13234
scrolls 13239a
sectional houses 6484c
shaping machines.....9080
shaping & variety moulding machines..9481
shipping cases 2129a
shoe heels 6072
shredders 13611a
sign materials.....13683
signs 13683
singletrees 13703
skewers 13722
sockets 13846
sole shoes 13567
specialties, electrical..13904b
spikes 13927
spindles 13931
spirits 13935
split pulleys 11757
spool 17033
sporting goods 13970a
spouts 13976a
stable forks 4977
stain colors 2895a
stains 14095d
surfacing machine knives 7060
surfacing machines....9482
tanks 14823
tar 14883
tenoning machine knives 7060
tenoning machines 9483
thread cutting machines 9484
toy tables 14672a
trimming machines....9485
tubing 16125
tubs 16141
turned goods, etc.....17030
turned house trimmings 17035
turners, automatic & variety 16167
turners' sizers 13716
turning, architectural..17036
turning lathes, automatic 7253a
turning tools 15790
turning & enameling.17037
turnings 16167a
turnings, automatic..17038
turnings, electrical ..17039
turnings, rope & spiral 17039a
type 16213
valve wheels 16820
vats 16466
washing machine parts 16661
wheel (see wheels, automobile), 16755; (also wheels, carriage & wagon) 16769
whiffletrees 13703
wool 17040
zobos 17145
& metal sash bars combined 12915
Wooden barrels (see cooperage stock) 3163
barrows 558
bushings 1724
caps 1910
cigars 2546
cleats 2689a
clothes line pulleys...11733
clubs 2771
crates 3397b
crosses 3439a
cups 3506
corking machines.....9488
door knobs 7076
elevated tanks 14823a
floats 4881
kegs 6859
knives 7060a
knobs, door, drawer, etc. 7076
mallets 9523
market baskets 623
mauls.....9637 & 9640
models, school, drawing & geometrical....9890
molds 9925b
molds for surgeons, rubber gloves.....9925b
muddlers 10026a
needles knitting 10114a
pedestals 10783a
pipe plugs 11242
plugs 11242
potato mashers 9596
rattles 12171
scoops 13083
screws 13235
shells 13504
shoe lasts 13547a
shoes 13568
spades 13897
spools 13953
spoons 13970
Wood stairways (see interior hardwood work, mfrs. & erectors)...6686
stave pipe 10978
stirrups 14330
stools 14364a
trays 15927
vials 16501a
washers 16659
wedges, for various purposes 16781a
Woodenware & novelties mfrs. 17041
Woodruff keys 6897
Woods, fancy 17041a
metal 17041b
pailball 17041c
veneer built-up 16472
Woodwaste stokers 14335
Woodwork, architectural & interior (see interior hardwood mfrs. & erectors) 6686
also sash, door, blind mfrs.) 12919
electrical 17042
fire-proof (see fire-proofing of wood.....4783
laboratory 7095
plumbers' 11256
rustic 12836
sewing machines 13341
telephone 14914
turned & shaped.....17042a
Woodworkers' clamps (see clamps, cabinet makers') 2564
vises 16520
Woodworking aeroplane building machines...9485a
lathes 7313
machine knives 7060
machinery 9485b
machinery, hand & foot power 9486
machines, universal ...9487
Wool batting 657
baling presses 11481a
boots 1154
burring machines.....15029
carbonizers 17043
cards 1963
chair & crutch tips...15622
comb pins 10926
condensers 15484a
conveyors 3106
dryers 15136
dusters 15142
fat separators (see separators, centrifugal)13292
felts 4633
finishing machines...15164
flocks 4881a
glass 5484a
grease (see degras)....3686
lead 7348
mineral 9839
oils 10357
rock (see mineral wool)9839
scoured & pulled grease 17045
scouring machines....15366
shoes 1154
spinning frames.....15183
steel 14279
twine 16207
twisters 15448
wadding 17044
washer openers & feeders 15302
washers 15461
waste 16663
willowing machines...15470
wood 17040
Woolen blankets 876
carding engines 15150
cards 15051
carriage cloth 1969
flannels 4859
looms 15269
machinery 15485
mules 15293
spoolers 15410
Work benches, machinists' 763
Working barrels 543
Worm bevel gears.....5407
cocks 2846
coupler gauges.....5354
gear cocks 2846
gear drive jacks, double 6773a
gear oils 10357a
gear reduction gears...5408
gear rings 12490
gears 5406
hobs 6153
thread tool gauges.....5353
threading lathes 7314
wheels (see gears, worm) 5406
Worsted apron leather..14996
carding engines 15150
cards 15051
carriage cloth.....1969
combing aprons.....14999
drawing frames, french 15485a
finishing machines....15164
Worsted looms 15270
machinery 15485
mules 15294
pumicing machines...15329
spindle tubes 15394
spoolers 15410
Woulff bottles 1174a
Woven labels 7091
leather belting..... 754
wire bedspring machinery 9489
wire brushes 1584
wire fences 4640
wire mattresses (see springs, bed).....13996
Wrapper cutting machines 9490
Wrappers, book corrugated paper 17046
bottle, corrugated.....1163
bottles, excelsior 1163a
coin 17047
conduit joint 17048
excelsior 17050
Wrapping machines, bread 9490a
machines, can 7951
machines, candy 9491
machines, chewing gum 9492
machines, coin 8076
machines, fruit & merchandise 9493
machines, paper boxes.8718
machines, rubber mill.9494
machines, soap 9495
machines, tire 9496
machines, tire & wire.9496
machines, wire 9496
paper 10733
paper, ham 10672
paper machines 9497
paper in rolls.....10734
paper printing presses 11667
paper, rag 10735
paper, straw 10736
paper, tire or wire....10736a
soap, paper 10711
twine 16208
waterroof, cloth-lined 16684
Wrecking bars (see bars, carpenters, etc.)..... 563
blocks 928
building (see building materials, second-hand) 1643
cars (see cranes, wrecking) 3388
chains 2391
cranes 3388
electric railway cranes 3358a
frogs (see replacers, cars) 12367
hooks 6408
jacks 6799
pumps 11973
rope, steel (see wire rope & cables).....16975
ropes 12768b
trucks, automobile....15998
Wrench display stands..14162
sets 17050a
Wrenches, adjustable...17051
adjustable "S".....17092
agricultural 17052
all kinds 17053a
alligator 17053
always ready.....17054
automobile 17055
basin 17056
bicycle & pocket.....17057
bit brace (see wrenches, brace socket)...17059
box 17058
brace socket.....17059
brass pipe.....17060
bridge builders'.....17061
cap screw 17061a
car builders'..... 17062
car hopper.....17063
carriage 17065
carriage bolt.....17064
chain 17066
check nut.....17066a
chuck 17067
combination 17068
construction 17068a
crocodile (see wrenches, alligator).....17053
dog 17069
drop forged.....17070
engineers' 17071
fixture 17072
flange 17073
for underground valves 17074
fruit jar.....17075
gas cock.....17076
handles 5883a
hydrant 17079
key adjusting.....17080
knife handle.....17081
lag screw.....17082
lock jaw.....17084
locomotive 17085
machinists' 17071
metal handle 17086
Wrenches, monkey pattern 17071
pin 17088
pipe 17089
pipe (brass & nickel pipe) 17060
pipe & pipe cutter, combined 17090
numbering machines, cloth 15486a
pocket 17057
ratchet 17091
reamer 17102
reversible ratchet....17091a
"S" 17092
"S" adjustable.....17092
screw 17071
sleeve 17093
socket 17094
spanner 17095
spark plug.....17096
splicing 17097
steel 17099
Stillson (see wrenches, pipe) 17089
structural 17100
"T" 17101
tap 17102
tap & reamer.....17102
textile 17103
thin 17104
thresher cylinder.....17105
tire bolt.....17064
tool post.....17106
track 17107
triplehead 17107a
wagon 17065
Wringer rolls (see rolls, rubber) 12694
Wringers, blue print....17108
chip (see extractors, oil & grease).....4506
clothes 17109
mop 17110
Wringing machines.....15486
Wrist bands, husking...17111
Writing holders pen.....6259a
inks 6618
paper 10737
paper, railroad.....10703
tables (see pads & tablets) 10496
Wrought anvils, blacksmith's, etc..... 199
brass & bronze door spring hinges.....6137
iron chains 2391a
iron couplings 3314a
iron door frames, welded corners.....3386
iron drop forged turnbuckles 16163a
iron fences.....4640a
iron gas fixtures.....5193
iron gas pipe.....10941b
iron grilles.....5606
iron lamps, artistic....7152a
iron pipe, genuine....10979
iron pipe, jobbers'....10980
iron pipe mfrs. (see pipe & tube mills)..10989
iron truss turnbuckles.16164
tubular goods, oil country 10238b
iron turnbuckles.....16163
iron washers (see washers, iron & steel) 16637
steel butt hinges.....6146
steel casement windows 16881
steel floor plates (see plates, floor, iron & steel) 11091
steel hooks & staples.6416
steel pipe (see pipe & tube mills) 10989
steel pulleys.....11758
steel sash.....16868
steel spring hinges....6138
steel stair treads.....14107
steel washers (see washers, iron & steel) 16637
steel window frame & sash 16868
& wire tree guards..15932a
Xybol (see coal tar products) 2785
X-ray apparatus 17112
-ray bulbs 1648a
-ray fluoroscopes.....17112
-ray plates 11143a
-ray transformers 15864
Xylenols 17113a
Xylidine 17113b
Xylol 17113c
Xylonite 2227
Y bases 600a
fittings 4823
valves 16429
Yacht blocks 929
builders 9951
cannon 1830
engines (see also engines, marine, 4382) 4420
lighting plants, electric 4214

INDEX

INDEX

	No.
Wrought plumbago	11248
rope rigging	12766
sails	12864
spar lathes	7315
windlasses	16862a
Yard hydrants	6507
mallets	9524
numbering machines, cloth	15486a
sticks	17114
Yarn cleaning machines	15487
conditioning machines	15488
dressers	15124
drums (see spoolers, yarn)	15411
dryers	15137
fodder	17115
jute	17116
lath	17117
mop	17118
packing	10478
presses	11668
printing machines	15489
raveling machines	15335
reels	15341
scales	15363
scouring machines	15367
separators	15371
sizing machines	15489a
spoolers	15411
tarred	17119
testers	15430
Yarn testing machines	15433
twisters	15449
washers	15462
winders	15481
Yarning tools	15791
Yarns, asbestos (see asbestos material)	254
Yeast machinery compressed	8094
mfrs.	17119a
Yellow, chrome	2500
cypress doors	3957
golden (see color mfrs. & importers)	
lemon (see color mfrs. & importers).	
metal bars	590
metal, cold rolled	17120
metal nails	10093
metal, polished	17121
metal rods	12602
metal shafting	13367
metal sheathing	13456
metal sheet & rod	17122
metal sheets	13489
metal tinning sheets	15617
muntz metal	9681
pine doors	3958
Yoke ends	17123
riveters, pneumatic	11325
Yokes, clip	17124
coupler	17125
draw bar	17126
neck	10107
pocket coupler, etc	17127
pressed steel	9543
street railway	17128
Ytrium	17128a
Zaffer	17129
Zinc, acetate	17129a
aluminized	17130
anodes	183
arsenate	17130a
balls	484
blend	17130b
boxes	1310
brassed	17135
bromide	17130c
carbonate	17131
castings	2201
chemically pure metallic	17131a
chloride	17132
chromate	17132a
coated nails	10094
coated nipples, steel slip	10147
coppered	17135
cyanide	17132b
dust	17133
electrolytic	17133a
feathered	17133b
furnaces	5136
granulated	17133c
ingots	6599
iodide	17133c
lathes	7316
manufacturers	17134
nails	10094
nickeled	17135
nickelized sheet	17136
oilers	10273
ores	10397
Zinc oxide	10438
pig (see ingots, zinc)	6599
Zinc plates	11144
plates for boilers	17137
points (see points, glaziers')	11341
resinate	17137a
rods	12603
rolled	17137b
rolling mill machinery	9499
rolling mills, lead	12650
roofing	12752
salts	17138
scrap	13096
shavings	13405
sheet	17139
sherardizing	17139a
shingles	13536
slab (see spelter)	13910
specialties	17140
sterate	17140a
strips	17140b
sulphate	14518
sulphide	17141
surface brick	1469a
tags	14709
tubing	16126
washers	16660
white	17142
zincite	17142a
Zincs, battery	17143
Zirconia	17144
Zirconium alloys	127
metallic	17144b
nickel	10127a
oxide	17144c
silicon	13696
Zobos, wood	17145

Hendricks Commercial Register

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Classified Products Section

Classifications marked thus * are inserted for concerns using these classifications for publicity purposes. Other concerns in similar lines of business will be found under standard classifications.

Note.—The "Index to Classifications" (preceding this section) should always be referred to when the desired information is not found in alphabetical order in the following pages. Many articles of a similar nature appear only under one general classification. For example, "galvanized steel sheets" cannot be found under the letter "G," but a reference to the "Index to Classifications" shows them at classification 6715, and when that classification is located the desired information is found, listed as "Iron and Steel Sheet (Black and Galvanized)."

1— Abrasives

See also Emery & Corundum Manufacturers

Abrasive Mining Mfg. Co., Plymouth, Ind.
Am. Abrasive Co. ("A. A. Quality"), Westfield, Mass.
Am. Steel Wool Mfg. Co. ("American" & "Ideal"), 18 Desbrosses, New York
Armstrong G. R. Mfrs. Supplies Inc., 130 High, Boston, Mass.
Barker Bros., Inc., 327-329 Johnson st, Brooklyn, N. Y.
See adv index at end of book
Behr, Herman & Co., 33 Tiffany, Brooklyn, N. Y.
Bennett-O'Connell Co., 3600 S. Morgan, Chicago, Ill.
Buchanan Thos Co., 114 W. Pearl, Cincinnati, O.
See adv index at end of book
Burns, E., Reed Supply Co., 27 Jackson, B'klyn, N. Y.
Carborundum Co., Niagara Falls, N. Y.
Chrystal, Chas. B. Co., Inc., 13 Cliff st., New York.
See adv index at end of book

Pumice, Rouge, Tripoli, Flint, Rottenstone, Silex

Charles B. Chrystal Co., Inc.
13 Cliff St., N. Y. Jersey City

Crown Rheostat & Supply Co., 17 S. Desplaines, Chicago, Ill.
Cutter & Wood Supply Co. (Electric Process), 274 Friend, Boston, Mass.
Exolon Co., Blasdell, N. Y.
General Abrasive Co., Niagara Falls, N. Y.
Griffiths K. F., & Co., 110 E. 42nd, New York.
Handy & Harman, 59 Cedar, New York
Harrison Supply Co. ("New Process" Metallic, Natural & Artificial), 5 Dorchester Ave., Boston, Mass.
Hason & Van Winkle Co., 269 Oliver, Newark, N. J.
Hoppen & Sons, J. E. (Water Soluble for Valve Grinding), 78 Main, Belleville, N. J.
See adv index at end of book
Keystone Emery Mills, 4325 Paul, Phila., Pa.
Manning Abrasive Co., Troy, N. Y.
Metal & Thermit Corp., 120 B'way, New York
Niagara Emery Mills Inc., 4325 Paul, Phila., Pa.
Norton Co., Barber's Crossing, Worcester, Mass.
Pep Mfg. Co. ("Pep"), 33 W. 42nd, New York.
Pittsburg Crushed Steel Co., 61st & A. V. R. R., Pittsburgh, Pa.
Speare's, Alden, Sons Co., 25 W. 42nd, New York
Stiles H. A. & Co. (Artificial & Natural), 166-174 Portland, Boston, Mass.
See adv index at end of book
Vitrified Wheel Co., Westfield, Mass.
Washington Mills Emery Mfg. Co., No. Grafton, Mass.
Wausau Abrasives Co., Wausau, Wis.

1a— Abrasives (Sand Blast)

Harrison Supply Co. ("Diamond Grit," "New Process," Chilled Shot), 5 Dorchester Ave., Boston, 9, Mass.
Pittsburgh Crushed Steel Co., Dept. H, 61st & A. V. R. R., Pittsburgh, Pa.

2— Absorbent Traps (Vacuum)

Abbe Paul O. Inc., ("Abbebilt"), 71-A Murray, New York.
See adv index at end of book
Knight, Maurice A., Akron, O.

3— Absorption Towers

Buffalo Foundry & Machine Co., 65 Winchester Ave., Buffalo, N. Y.
See adv index at end of book
Graham Chas. Chemical Pottery Works, 986 Metropolitan av, Brooklyn, N. Y.
Lummus, Walter E., Co., 171 Milk, Boston, Mass.
New York Pyrites Co. Inc., 25 Broad St., New York.

3a— Accelerators

Harshaw, Fuller & Goodwin Co. (Rubber), 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
National Aniline & Chemical Co. Inc., 40 Rector, New York
Peru Brass & Mfg. Co. (For Fords) Peru, Ind.
Vanderbilt R. T. Co. (Rubber), 50 E. 42nd, New York.

4—Accident Preventers for Machinery

Geuder, Paeschke & Frey Co., 1314-1790 St. Paul, Milwaukee, Wis.
See adv index at end of book
Lockhart-Hodge Co., Inc. ("Jones" for Wood Working Machinery), White bldg, Buffalo, N. Y.

5—Accident Preventers for Machinery, Presses, Etc.

(For Preventing Accidents to Workmen)
See also Press Attachments for Preventing Accidents

American La France Fire Engine Co., Elmira, N. Y.
Geuder, Paeschke & Frey Co. ("G. P. & F." Automatic for Punch Presses), 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Lockhart-Hodge Co., Inc. ("Jones" for Wood Working Machinery), White bldg., Buffalo, N. Y.

6— Account Register & System

Globe Register Co., 2412 Reading rd, Cincinnati, Ohio
McCaskey Register Co., Alliance, O.
Simple Account Salesbook Co. (Account Salesbook), Fremont, O.
Thomas-Peter Co. ("Canton"), Canton, O.

Accumulators (Chloride)

See Batteries, Storage

7— Accumulators (Hydraulic)

Aldrich Pump Co., Allentown, Pa.
Allen Machine Co., Erie, Pa.
Alliance Machine Co., Alliance, O.
Bethlehem Steel Co., South Bethlehem, Pa.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Birmingham Iron Foundry, Derby, Conn.
Buckeye Iron & Brass Works, 322 E. 3rd, Dayton, Ohio
See adv index at end of book
Cardwell Machine Co., 1900 E. Cary, Richmond, Va.
Chambersburg Engng. Co., Chambersburg, Pa.
Columbiana Boiler Co., Columbiana, O.
Dunning & Boschert Press Co. Inc. (Weighted), 329 W. Water, Syracuse, N. Y. *See adv index at end of book*
ELMES CHAS. F. ENGNG WKS., Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn.
See adv index at end of book
French Oil Mill Machinery Co. (For Cottonseed & Linseed Oil Mills, etc), Piqua, O.
Fulton Iron Works Co., 1295 Delaware av., St. Louis, Mo.
Grote F. Mfg. Co., 120 3rd Ave., Evansville, Ind.
Hennebohle Frank (Stop & Flush Valves), 31st and S. Chicago av, Chicago, Ill.
KENNEDY-VAN SAUN MFG. & ENG. CORP., 50 Church, New York
See adv index at end of book
Logemann Bros. Co., 3130 Burleigh, Milwaukee, Wis.
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Mackintosh-Hemphill Co., 13th & Etna, Pittsburgh, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
Metalwood Mfg. Co., Lieb & Wight, Detroit, Mich.
Morgan Engineering Co., Alliance, Ohio.
Penn. Engineering Works, New Castle, Pa.
Reeves Bros. Co. (The), Alliance, Ohio.
See adv index at end of book
Robertson Jno. & Co., 133 Water, Brooklyn, N. Y.
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
SOUTHWARK FOUNDRY & MACHINE CO., 1128 S. 4th, Phila., Pa.
See adv index at end of book
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
Thomas Albright Co., Goshen, Ind.
Tod William, Youngstown, O.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Treadwell Construction Co., Midland, Pa.
Treadwell Engineering Co., Easton, Pa.
See adv index at end of book
United Engineering & Foundry Co., Farmers' Bank bldg., Pittsburgh, Pa.
Waterbury Farrel Fdry. & Machine Co., Waterbury, Conn.
WATSON-STILLMAN CO., 38 Church, New York *See adv index at end of book*
WOOD R. D. & CO., 400 Chestnut, Phila., Pa.
Wood Wm. H., Media, Pa.

8— Accumulators (Steam)

Traylor Engineering & Manufacturing Co., Allentown, Pa.

8a— Acetaldehyde

Commercial Solvents Corp. (Butyric), 1331 S. 1st, Terre Haute, Ind.
Roessler & Hasslacher Chemical Co., Inc., 709H 6th av., New York.
See adv index at end of book
Shawinigan Products Corp., 110 William, New York.
U. S. Industrial Alcohol Co., 27H William, New York.

9— Acetanilide

Fergusson, Alex C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park pl, New York
Monsanto Chemical Works, 1800 S 2nd, St. Louis, Mo.
Montcalm Chemical Wks. (Para Nitro), 220 No. Illinois, Indianapolis, Ind.
National Aniline & Chemical Co. Inc. (Para Amino), 40 Rector, New York
New York Quinine & Chemical Wks., 135 William, New York.
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.
Seydel Chemical Co., 86 Front St., Jersey City, N. J.

10-11-12— Acetate Ethyl

Alcohol Products Co. Blanchard, Newark, N. J.
Anderson Chemical Co., Wallington, N. J.
Cooper, Chas. & Co., 194H Worth, New York.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Miner Edgar Co., 110 William, New York
U. S. Industrial Chemical Co., 110 E. 42nd, New York

Acetate of Alumina

See Alumina

Acetate of Chrome

See Chronium Acetate

Acetate of Lead

See Lead, Acetate

13— Acetate of Lime

Beerston Acetate Co., Olean, N. Y.
Boyne City Chemical Co., Boyne City, Mich.

(Continued on following page)

Prest-O-Lite DISSOLVED ACETYLENE

One Gas

In spite of continuous efforts to substitute other fuel gases, Acetylene remains today the only practical welding gas and by far the best for cutting.

Because it is so perfectly adapted to both welding and cutting, it does away with the necessity for two stocks of fuel gas and two types of apparatus for cutting and welding.

Delivery Service

A great chain of Prest-O-Lite distributing stations has been built up with the view to meeting every possible requirement of Prest-O-Lite users. It embraces a total of 72 plants and warehouses located in every industrial center throughout the country.

District Sales Offices

While distributing stations for Prest-O-Lite are maintained in every manufacturing district in the country, each user should communicate with his nearest Prest-O-Lite District Sales Office for arrangements to adequately cover his requirements. Prest-O-Lite District Sales Offices are located in the following cities:

Atlanta	Dallas	Philadelphia
Baltimore	Detroit	Pittsburgh
Boston	Kansas City	St. Louis
Buffalo	Los Angeles	Salt Lake City
Chicago	Milwaukee	San Francisco
Cleveland	New Orleans	Seattle
	New York	

The Prest-O-Lite Company, Inc.

General Offices: Carbide & Carbon Bldg., 30 East 42nd Street, N. Y. C.

In Canada: Prest-O-Lite Company of Canada, Ltd., Toronto

Acetate of Lime—Continued

Buckhannon Chemical Co., Olean, N. Y.
Cadillac Chemical Co. (Grey), Cadillac, Mich.
Clawson Chemical Co., Ridgway, Pa.
Coryville Chemical Co., Bradford, Pa.
Cummer-Diggins Co., Cadillac, Mich.
Florida Wood Products Co., Jacksonville, Fla.
Forest Chemical Co., Sheffield, Pa.
Heinemann Chemical Co., Olean, N. Y.
Lewis Run Mfg. Co., Bradford, Pa.
McKean Chemical Co., Williamsport, Pa.
Marvindale Chemical Co., Bradford, Pa.
Maryland Wood Products Co., Bradford, Pa.
Mashek Chemical & Iron Co., Wells, Mich.
Michigan Iron & Chemical Co., 616 S. Michigan Blvd., Chicago, Ill.
Newton Chemical Co., Olean, N. Y.
Noble Electric Steel Co., Mills Bldg., San Francisco, Cal.
Norwich Chemical Co., Crosby, Pa.
Nusbaum Chemical Co., Bradford, Pa.
Oswayo Chemical Co., Bradford, Pa.
Otto Chemical Co., Williamsport, Pa.
Riddle Chemical Co., Inc., 35 S Dearborn, Chicago, Ill.
See adv index at end of book
Russell Chemical Co., Ltd., Russell, Pa.
Smith A. B. Chemical Co., White Bldg., Buffalo, N. Y.
Sullivan Chemical Co., Acidalia, N. Y.
Treyz G. H. & Co., Press Bldg., Binghamton, N. Y.
Treyz G. I., Cooks Falls, N. Y.
Wyman Chemical Co., Port Alleghany, Pa.

Acetate of Soda

See Sodium, Acetate

14-15— Acetic Anhydride

Dow Chemical Co. (85% to 90%), Midland, Mich.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Warner Chemical Co., 52 Vanderbilt av, New York

16— Acetone

Albany Chemical Co., Albany, N. Y.
Cleveland-Cliffs Iron Co., Rockefeller bldg, Cleveland, O.
Commercial Solvents Corp., S. 1st, Terre Haute, Ind.
Erkenbrach Geo. A. Co., 115 Maiden la, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Imperial Brass Mfg. Co. (Welding), 1200 W. Harrison, Chicago, Ill.
Industrial Chemical Co. (C. P. & Methyl), 1414 Fifth Av bldg, New York
See adv index at end of book
McAdam Charles Co., 3167 Cottage Grove av, Chicago, Ill.
Mallilard & Schmiedell (Mfrs. Agts.), 203 California, San Francisco, Cal.
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Mashek Chemical & Iron Co. (Methyl), Wells, Mich.
Riverside Mfg. Co. (Pure), 4528 S. B'way, St. Louis, Mo.
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book
Seaboard Chemical Co. (Methyl), Blanchard, N. J.
U. S. Industrial Chemical Co., 110 E. 42nd, New York

17— Acetphenetidin

Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park pl, New York.
Monsanto Chemical Works, 1800 S 2nd, St. Louis, Mo.
New York Quinine & Chemical Wks., 135 William, New York.

18— Acetyl Chloride

Warner Chemical Co., 52 Vanderbilt av, New York

18a— Acetylene

Air Reduction Sales Co., 342 Madison av, New York.
Commercial Acetylene Supply Co. (For Welding & Cutting), 80 Broadway, New York
International Oxygen Co., 796 Frelinghuysen av, Newark, N. J.
PREST-O-LITE CO., THE, (Gas Dissolved in Cylinder), 30 E. 42nd, New York
See adv index at end of book
Searchlight Co. (Compressed), 2236 Lumber, Chicago, Ill.

19— *Acetylene Generators

See also Burners, Acetylene; also Gas Machines, Acetylene

Colt J. B. D. Co., 30 E. 42nd, New York
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

For medium pressure suitable only for welding or cutting operations, has great advantages over low pressure generators for the work mentioned.
MACLEOD CO., 2227 Bogen St., Cincinnati, O.

Imperial Brass Mfg. Co. (Welding), 1200 W Harrison, Chicago, Ill.
OXWELD ACETYLENE CO. (Welding Stationary and Portable), 30 E. 42nd, New York
See adv index at end of book

20— Acid (Acetic)

Butterworth-Judson Corp., 61 Broadway, New York
Cleveland-Cliffs Iron Co., Rockefeller bldg, Cleveland, Ohio
Cooper & Cooper Inc., 23H Cliff, New York
Drackett P. W. & Sons Co., 3426 Edwards, Cincinnati, O.
DU PONT E. I. DE NEMOURS & CO., INC., (Lithopone, Pigments & Heavy Chemicals Div.), 3500 Grays Ferry rd., Phila, Pa.
See adv index at end of book
Eastwood Chemical Co., Belleville, N. J.
FERGUSSON ALEX. C., JR., 474 Chestnut, Phila, Pa. *See adv index at end of book*
Fuerst Bros. & Co., 2 Stone, New York
General Chemical Co., 40 Rector, New York
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Hunnell & Co. Inc., 136 Liberty, New York
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Lennig Chas. & Co., 40 N. Front, Philadelphia, Pa.
McKesson & Robbins (Imp), 91 Fulton, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merrimac Chemical Co., 148 State, Boston, Mass.
Michigan Iron & Chemical Co., 616 S. Mich. Blvd., Chicago, Ill.
Naugatuck Chemical Co., Naugatuck, Conn.
Nusbaum Chemical Co., Bradford, Pa.
Penna. Salt Mfg. Co., Widener bldg, Phila., Pa.

Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.
RIDDLE CHEMICAL CO., INC., 35 S Dearborn, Chicago, Ill.
See adv index at end of book
Riverside Mfg. Co., 4528 S. Broadway, St. Louis, Mo.
Sergeant E. M. Co., 131 Cedar, New York.
Shawinigan Products Corp. (Glacial), 110 William, New York.
Thomsen Chemical Co., Race & Winder, Baltimore, Md.
U. S. Industrial Chemical Co., 27 William, New York
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y.
See adv index at end of book

21— Acid (Acetic, Crude)

Eastwood Chemical Co., Belleville, N. J.
Florida Wood Products Co., Jacksonville, Fla.
Forest Products Co., 1312 Whitney, New Orleans, La.
Ga. Pine Turpentine Co. of N. Y., 158 Perry, New York
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park pl, New York.
Spirittine Chemical Co. ("Spirittine"), Wilmington, N. C.

21a— Acid (Acetyl Salicylic)

Cooper & Cooper Inc., 23H Cliff, New York
Dow Chemical Co., Midland, Mich.
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park pl, New York.
Monsanto Chemical Wks., 1800 S 2nd, St. Louis, Mo.
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Riddle Chemical Co., Inc., 35 S Dearborn, Chicago, Ill.
See adv index at end of book
Semet Solway Co., Syracuse, N. Y.
Synthetic Products Co. ("Bromo-Spirin 'E'"), First Nat'l Bank Bldg., San Francisco, Cal.

21b— Acid (Anthranilic)

Ciba Co. Inc., 134 Cedar, New York.
Harmer Laboratories Co., 2 S 21st, Phila.
Monsanto Chemical Works, 1800 S 2nd, St. Louis, Mo.

21c— Acid (Arsenic)

Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Innis Speiden & Co. Inc., 46 Cliff, New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Thomsen Chemical Co., Race & Winder, Baltimore, Md.

Acid (Arsenious)

See Arsenic, White

21d— Acid (Battery)

See also Chemicals, battery

Contact Process Co., 351 Abbott rd., Buffalo, N. Y.
DU PONT E. I. DE NEMOURS & CO. INC., (Lithopone, Pigments & Heavy Chemicals Div.), 3500 Grays Ferry rd, Phila., Pa. *See adv index at end of book*
Kalbfleisch Corp., 200 5th av, New York
Merrimac Chemical Co., 148 State, Boston, Mass.
Riverside Acid Wks, Warren, Pa.
United Chemical & Organic Products Co., 4200 S. Marshfield, Chicago, Ill.

21e— Acid (Beta-Naphthol—Sulphuric)

Agawam Chemical Works, Grosvenor bldg, Providence, R. I.

22— Acid (Benzoic)

Commonwealth Chemical Corp., 25 W. 43rd, New York.
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Greeff, R. W., & Co., 78 Front, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
MATHIESON ALKALI WORKS, 25 W. 43rd, New York
See adv index at end of book
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Riddle Chemical Co., Inc., 35 S Dearborn, Chicago, Ill.
See adv index at end of book
Semet-Solvay Co., Syracuse, N. Y.
Seydel Chemical Co., 86 Front, Jersey City, N. J.
Wiarda John C. & Co. (U. S. P.), 83 Provost, Brooklyn, N. Y.
See adv index at end of book

22a— Acid Black

Butterworth-Judson Corp (Blue, Black G & Blue Black Conc.), 30 Church, New York
Ciba Co. Inc., 134 Cedar, New York
Dicks, David Co., Inc., 44 Watts, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Metz, H. A., & Co., Inc., 122 Hudson, New York
National Gum & Mica Co., 12 West End av., New York

22b— Acid Blue

Ciba Co. Inc., 134 Cedar, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book

23— Acid (Boric)

Croton Chemical Co. (Refined, Selling Agent), 293 B'way, New York
Drakenfeld B. F. & Co. Inc. (Flaky, Refined), 50 Church, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
National Aniline & Chemical Co. Inc., 40 Rector, New York
Pacific Coast Borax Co. (Refined), Oakland, Cal.
Pfizer Charles & Co. (Crystals, Granular & Powdered), 81 Maiden Lane, New York
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Riddle Chemical Co., Inc., 35 S Dearborn, Chicago, Ill.
See adv index at end of book
Stauffer Chemical Co. (Powdered Crystals), 624 California, San Francisco, Cal.
Union Borax Co., Bradbury bldg, Los Angeles, Cal.
Vitro Mfg. Co., H. Bessemer bldg, Pittsburgh, Pa.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y.
See adv index at end of book

23a— Acid (Broenner's)

National Aniline & Chemical Co. Inc., 40 Rector, New York

24— Acid (Butyric)

Commercial Solvents Corp., H. S 1st, Terre Haute, Ind.
Klipstein A. & Co. (Imported), 644 Greenwich, New York
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.

25—Acid (Calcium Phosphate)

Continental Chemical Co., Vincennes, Ind.
Iliff-Bruff Chemical Co. ("Snow White"), Hoopeston, Ill.
Phosphate Products Co., Charleston, S. C.
Provident Chemical Works, 3011 Idaho av., St. Louis, Mo.
Victor Chemical Works (Also Mono-Di & Tri), Fisher bldg, Chicago, Ill.
Wilckes, Martin, Wilckes Co., 135 William, New York

26— Acid (Carbolic)

Albany Chemical Co., Albany, N. Y.
Barrett Co. (Phenol U. S. P.), 40 Rector, New York
Chatfield Mfg. Co., Carthage, Cinn., O.
Dow Chemical Co., Midland, Mich.
FERGUSSON ALEX C., JR., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Fuerst Bros. & Co., 2 Stone, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Hoffmann-La Roche Chemical Works, 440 Washington, New York
Hoffman La Roche Chemical Works, 19 Cliff, New York
JORDAN COAL TAR PRODUCTS CO., INC. (Crude & Refined), 15 Cliff, New York
Klipstein A. & Co. (Crude, Crystal & Liquid, Imp), 644 Greenwich, New York
McKesson & Robbins (Imp.), 91 Fulton, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co. (Crystals), 45 Park P., New York
Pacific Phenols Corp. (Also Crystals), 785 Market, San Francisco, Cal.
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.
Protexol Corp., 41 Barclay, New York
See adv index at end of book
Riddle Chemical Co., Inc., 35 S Dearborn, Chicago, Ill.
See adv index at end of book
Roessler & Hasslacher Chemical Co. (Crystal & Liquid), 709 6th av, New York
See adv index at end of book
Schieffelin & Co. (Imp), 170 William, New York
Semet-Solvay Co., Syracuse, N. Y.
White Tar Co. of N. Y. (Crude), 56 Vesey, New York
Wiarda John C. & Co. (U. S. P.), 83 Provost, Brooklyn, N. Y.
See adv index at end of book

26a— Acid Chlorosulphoric

Monsanto Chemical Works, 1800 2nd, St. Louis, Mo.

27— Acid (Chromic)

Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
General Carbonic Co., Bridge, Albany, N. Y.
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.

27a— Acid (Cinnamic)

Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Standard Chemical Co., Bayonne, N. J.

28— Acid (Citric)

Clark Chemical Co., Wickliffe, O.
Cooper & Cooper Inc., 23H Cliff, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Herrick & Voight, 99 John, New York
Klipstein A. & Co. (Crystal & Powder, Imp), 644 Greenwich, New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Pfizer Chas. & Co. (Crystals, Granular & Powdered), 81 Maiden Lane, New York
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.
Riddle Chemical Co., Inc., 35 S Dearborn, Chicago, Ill.
See adv index at end of book
Riverside Mfg. Co., 4528 S. Broadway, St. Louis, Mo.
Sergeant E. M. Co., 131 Cedar, New York
Wiarda John C. & Co. (U. S. P.), 83 Provost, Brooklyn, N. Y.
See adv index at end of book

28a— Acid (Cresotinic)

DU PONT E. I. DE NEMOURS & CO. INC., Dyestuffs Dept., Wilmington, Del.
See adv index at end of book
Heyden Chemical Wks., Garfield, N. J.

28b— Acid (Cresylic)

See also Acid, Carbolic; also Cresol

Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Industrial Chemical Co., 1414 Fifth Av bldg, New York
See adv index at end of book
JORDAN WM. E. & BRO., 15 Cliff, New York
Mailliard & Schmiedell (Mfrs. Agts.), 203 California, San Francisco, Cal.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Pacific Phenols Corp., 785 Market, San Francisco, Cal.
Protexol Corporation, 41 Barclay, New York.
See adv index at end of book
Riddle Chemical Co., Inc., 35 S Dearborn, Chicago, Ill.
See adv index at end of book

29— Acid (Dipping)

DU PONT E. I. DE NEMOURS & CO. INC., (Lithopone, Pigments & Heavy Chemicals Div.), 3500 Grays Ferry rd, Phila., Pa. *See adv index at end of book*
Kalbfleisch Corp., 200 5th av, New York

30— Acid Eggs

Bethlehem Fdry. & Mach. Co., S. Bethlehem, Pa.
BUFFALO FOUNDRY & MACHINE CO. (Cast Iron), 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Charleston Dry Dock & Machine Co., Charleston, S. C.
Devine J. P. Co., Buffalo, N. Y.
Duriron Castings Co. ("Duriron" Acid Proof), Dayton, O.
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Knight, Maurice A., Akron, O.
Lancaster Iron Works ("Lancaster"), 500 S. Prince, Lancaster, Pa.

(Continued on following page)

Acid Eggs—Continued

Lummus, Walter E., Co. (" Metrolift," Automatic), 171 Milk, Boston, Mass.
Moore Bros. Co., Elizabeth, N. J.
Pratt Engineering & Machine Co., Atlanta, Ga.
Superior Fdry. Co., Dept H, E. 71st & W. & L. E. Ry., Cleveland, O.
Treadwell M. H. Co. of Illinois, 208 S La Salle, Chicago, Ill.
United States Stoneware Co. (Glazed Stoneware), Akron, O.

30a— Acid (Fatty)

Boyer Kienle Co., Inc., 90 West, New York
Celina Stearic Acid Co., Celina, O.
Cooper & Cooper Inc., 23H Cliff, New York
Douglas Co., Cedar Rapids, Iowa
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Francesconi, J. C., & Co., 23 Beaver, New York
Hachmeister-Lind Chemical Co., Island & Leonard, Pittsburgh, Pa.
Hunnell & Co. Inc., 136 Liberty, New York
Moore Oil Co., Cinn., O.
National Oil Products Co., Harrison, N. J.
Southern Cotton Oil Co., 120 B'way, New York

31— Acid (Formic)

Ciba Co. Inc., 134 Cedar, New York
Fergusson, Alex. C., Jr., 474 Chestnut Philadelphia, Pa.
See adv index at end of book
Greeff, R. W., & Co. (85-90%), 70 Front, New York
Herrick & Voight, 99 John, New York
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.
Riverside Mfg. Co., 4528 S. Broadway, St. Louis, Mo.
Sergeant E. M. Co., 131 Cedar, New York
Victor Chemical Works, Fisher bldg, Chicago, Ill.

32— Acid (Gallic)

American Alkali & Acid Co., Bradford, Pa.
Cooper Chas. & Co., 194 Worth, New York
Cooper & Cooper Inc., 23H Cliff, New York
Greeff, R. W., & Co., 78 Front, New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Powers-Weightman-Rosengarten Co., 916H Phila., Pa.
Roessler & Hasslacher Chemical Co., 709 6th av, New York.
See adv index at end of book
Seydel Chemical Co., 86 Front, Jersey City, N. J.

32a— Acid (Gamma)

Butterworth-Judson Corp., 30 Church, New York
Ciba Co. Inc., 134 Cedar, New York
DU PONT E. I. DE NEMOURS & CO. INC., Dyestuffs Dept., Wilmington, Del.
See adv index at end of book
Montcalm Chemical Wks., 220 No. Illinois, Indianapolis, Ind.
National Aniline & Chemical Co., Inc., 40 Rector, New York
Zinsser & Co. (U. S. P.), Hastings-on-Hudson, N. Y.

32b— Acid (H)

Butterworth-Judson Corp., 30 Church, New York
California Cyanide Co., Cudahy, Cal.
Ciba Co. Inc., 134 Cedar, New York
Cooper & Cooper Inc., 23H Cliff, New York
DU PONT E. I. DE NEMOURS & CO. INC., Dyestuffs Dept., Wilmington, Del.
See adv index at end of book
Merrimac Chemical Co., 148 State, Boston, Mass.
Monroe Color & Chemical Co., Quincy, Ill
Montcalm Chemical Wks., 220 No. Illinois, Indianapolis, Ind.
Republic Color & Chemical Wks., Reading, Pa.
Seydel Chemical Co., 86 Front, Jersey City, N. J.

32c— Acid (Hydriodic)

Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

32d— Acid (Hydrobromic)

Baker, J. T., Chemical Co., Phillipsburg, N. J.
Dow Chemical Co. (40% to 48%), Midland, Mich.
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.
Squibb E. R. & Sons, 23 Vine, Brooklyn, New York

32e— Acid (Hydrochloric)

Albany Chemical Co., Dept. H, Albany, N. Y.
Atlas Powder Co. (18°, 20°, 22°), 140 N. Broad, Phila., Pa.
American Metal Co., Ltd., 61H B'way, New York.
Arnold, Hoffman & Co., 55H Canal, Providence, R. I.
Avery Chemical Co., 88H Broad, Boston, Mass.
Baker J. T. Chemical Co., Phillipsburg, Pa.
Brown Co., 404H Commercial, Portland, Me.
Buffalo Foundry & Machine Co., 65 Winchester av., Buffalo, N. Y.
See adv index at end of book
Butterworth-Judson Corp., 61 B'way, New York
Central Chemical Co., 4200 S. Marshfield, Chicago, Ill.
Commercial Acid Co., East St. Louis, Ill.
Contact Process Co., Buffalo, N. Y.
Cooper Chas. & Co., 194 Worth, New York
Detroit Chemical Wks., 100H Junction av, Detroit, Mich.
Dow Chemical Co., (22% Br. Commercial, Midland, Mich.
DU PONT E. I. DE NEMOURS & CO. INC., (Lithopone, Pigments & Heavy Chemicals Div.), 3500 Grays Ferry rd, Phila., Pa. *See adv index at end of book*
General Chemical Co. (For Iron & Steel Mfrs.), 25 Broad, New York
Globe Chemical Co., 727H Ridgeway av., Cincinnati, Ohio.
Grasselli Chemical Co., Guardian bldg., Cleveland, O.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Hegeler Zinc Co., Dept. H, Danville, Ill.
Heyden Chemical Works, H Dundee av., Garfield, N. J.
Hooker Electro Chemical Co., 25 Pine New York
Hunnell & Co. Inc., 136 Liberty, New York
Kalbfleisch Corp., 200 5th av, New York
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Lening Chas. & Co., 112 S Front, Phila., Pa.
Mallinckrodt Chemical Works (C. P.), 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Marsden-Sewell Corp., 149 Church, New York.
Merck & Co., 45H Park pl., New York.
Merrimac Chemical Co., 148 State, Boston, Mass.
Monsanto Chemical Works, 1800 S 2nd, St. Louis, Mo.
Mountain Copper Co., Ltd., 332 Pine ("Mococo"), San Francisco, Cal.
National Zinc Co., 61 B'way, New York
Naugatuck Chemical Co., Naugatuck, Conn.
NEW JERSEY ZINC SALES COMPANY, THE, 158 Front, New York
See adv index at end of book
Niagara Alkali Co. (Free from Arsenic), Niagara Falls, N. Y.
Penna. Salt Mfg. Co., Widener bldg, Phila., Pa.
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.
Riverside Acid Wks. (Muriatic), Warren, Pa.
Riverside Mfg. Co., 4528 S. Broadway, St. Louis, Mo.
Robinson Bros., H Montrose av., Brooklyn, N. Y.
Rollin Chemical Corp., 120 B'way, New York
San Francisco Chemical Co., 332 Pine, San Francisco, Cal.
Semet-Solvay Co., Melton av, Syracuse, N. Y.
Stauffer Chemical Co., 624H California, San Francisco, Cal.
Thomsen Chemical Co., Race & Winder, Baltimore, Md.
United Chemical & Organic Products Co., 111 W Washington, Chicago, Ill.
Western Chemical Mfg. Co. (Commercial etc), Denver, Colo.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

32f— Acid (Hydrocyanic)

Cooper, Chas. & Co. (U. S. P.), 194 Worth New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

33— Acid (Hydrofluoric)

Baker J. T. Chemical Co., Phillipsburg, N. J.
Baker & Adamson Chemical Co., Easton, Pa.
General Chemical Co. (For Etching & Polishing Glass), 40 Rector, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Hydrofluoric Mfg. Co. (For Cleaning Castings), York, Pa.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Naugatuck Chemical Co., Nagauatuck, Conn.
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila, Pa.
Riverside Acid Works, Warren, Pa.
Thomsen Chemical Co., Munsey bldg, Baltimore, Md.
Wiarda John C. & Co. (Carboys & Drums), 83 Provost, Brooklyn, N. Y.
See adv index at end of book

33a— *Acid (Hydrofluosilicic)

WIARDA JOHN C. & CO., 83 Provost, Brooklyn, N. Y.
See adv index at end of book

34— Acid (Hydrosilicofluoric)

General Chemical Co., 40 Rector, New York
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

JOHN C. WIARDA & CO.
83 Provost St., Brooklyn, N. Y.
MANUFACTURING CHEMISTS

35— Acid (Lactic)

American Alkali & Acid Co., Bradford, Pa.
Cooper & Cooper Inc., 23H Cliff, New York
Dissosway Chemical Co. Inc. (U. S. P.), 55-63 Eckford, Brooklyn, N. Y.
DU PONT E. I. DE NEMOURS & CO. INC., (Lithopone, Pigments & Heavy Chemicals Div.), 3500 Grays Ferry rd, Phila., Pa. *See adv index at end of book*
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park pl, New York.
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Riverside Mfg. Co., 4528 S. Broadway, St. Louis, Mo.
Sergeant E. M. Co., 131 Cedar, New York
Woolner & Co., Peoria, Ill.

35a— Acid (Laurent's)

DU PONT E. I. DE NEMOURS & CO. INC., Dyestuffs Dept., Wilmington, Del.
See adv index at end of book

36— Acid (Linoleic)

Klipstein A. & Co. (Imp), 644 Greenwich, New York
Monsanto Chemical Works, 1800 S 2nd, St. Louis, Mo.
National Aniline & Chemical Co., Inc., 40 Rector, New York

37— Acid (Metanilic)

Hunnell & Co. Inc., 136 Liberty, New York
Klipstein A. & Co., 654 Greenwich, New York
National Aniline & Chemical Co., Inc., 40 Rector, New York

38— Acid (Mixed)

Atlas Powder Co., Wilmington, Del.
Butterworth-Judson Corp., 30 Church, New York
Contact Process Co., 351 Abbott rd., Buffalo, N. Y.
Detroit Chemical Works, 100H Junction av., Detroit, Mich.
DU PONT E. I. DE NEMOURS & CO. INC., (Lithopone, Pigments & Heavy Chemicals Div.), 3500 Grays Ferry rd, Phila., Pa. *See adv index at end of book*
General Chemical Co., 40 Rector, New York
Hercules Powder Co. (Nitric & Sulphuric), Wilmington, Del.
Monsanto Chemical Works, 1800 S. 2nd, St. Louis, Mo.

39— Acid (Molybdic)

C. P. Chemical & Drug Co. Inc., 114-118 Liberty, New York
Foote Mineral Co., 109 N. 19th, Phila., Pa.
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park pl, New York.
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
York Metal & Alloy Co., York, Pa.

39a— Acid (Monochloracetic)

Dow Chemical Co., Midland, Mich.
Harmer Laboratories Co., 2 S. 21st, Phila., Pa.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

39b—Acid (Monosulphonic F)

Ciba Co. Inc., 134 Cedar, New York
Montcalm Chemical Wks., 220 No. Illinois, Indianapolis, Ind.
National Aniline & Chemical Co., Inc., 40 Rector, New York

39c— Acid (Naphthalene—Sulphonic)

Agawam Chemical Wks., Grosvenor bldg, Providence, R. I.
National Aniline & Chemical Co., Inc., 40 Rector, New York

39d— Acid (Naphthionic)

Agawam Chemical Wks., Grosvenor bldg, Providence, R. I.
Central Dyestuff & Chemical Co., Newark, N. J.
Chemical Co. of Amer., Inc., 46 Murray, New York
Ciba Co. Inc., 134 Cedar, New York
Cooper & Cooper Inc., 23H Cliff, New York
Hunnell & Co. Inc., 136 Liberty, New York
Marden, Orth & Hastings Co., 136 Liberty, New York.
Montcalm Chemical Wks., 220 No. Illinois, Indianapolis, Ind.

39e— Acid (Naphthylamine—Sulphonic)

Agawam Chemical Wks., Grosvenor bldg, Providence, R. I.

39f— Acid (Neville & Winther's)

Agawam Chemical Wks., Grosvenor bldg, Providence, R. I.
Central Dyestuff & Chemical Co., Newark, N. J.
Ciba Co. Inc., 134 Cedar, New York
DU PONT E. I. DE NEMOURS & CO. INC., Dyestuffs Dept., Wilmington, Del.
See adv index at end of book
Montcalm Chemical Wks., 220 No. Illinois, Indianapolis, Ind.
National Aniline & Chemical Co., Inc., 40 Rector, New York

39g— Acid (Nitrating)

Atlas Powder Co., Wilmington, Del.

40— Acid (Nitric)

American Cyananied Co., 511H 5th av, New York.
Arnold, Hoffman & Co., 55H Canal, Providence, R. I.
Atlas Powder Co., Wilmington, Del.
Baker H. J. & Bro., 81H Fulton, New York.
Baker J. T. Chemical Co., Phillipsburg, N. J.
Brewer & Co., Dept. H, Worcester, Mass.
Buffalo Foundry & Machine Co., 65 Winchester av., Buffalo, N. Y.
See adv index at end of book
Butterworth-Judson Corp. ("Nitro"), 30 Church, New York
Central Chemical Co., 4200 S. Marshfield, Chicago, Ill.
Commercial Acid Co., East St. Louis, Ill.
Contact Process Co., 351 Abbott rd., Buffalo, N. Y.
Cooper Chas. & Co., 194 Worth, New York
Detroit Chemical Works (Nitric), 100H Junction av, Detroit, Mich.
DU PONT E. I. DE NEMOURS & CO. INC., (Lithopone, Pigments & Heavy Chemicals Div.), 3500 Grays Ferry rd, Phila., Pa. *See adv index at end of book*
Erkenbrach Geo. A. Co., 115 Maiden la., New York.
FERGUSSON ALEX. C. JR., 474 Chestnut, Phila., Pa. *See adv index at end of book*
General Chemical Co. (For Iron & Steel Mfrs.), 40 Rector, New York
Globe Chemical Co., 727H Ridgeway av., Cincinnati, Ohio.
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Great Western Electro-Chemical Co., 9 Main, San Francisco, Cal.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Heyden Chemical Works, H Dundee av., Garfield, N. J.
Independent Chemical Co., 87 Dey, New York
Kalbfleisch Corp., 200 5th av, New York
King Chemical Co., Bound Brook, N. J.
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Lennig & Co., 40 N. Front, Phila., Pa.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Marble J. Russell & Co., Dept. H, Worcester, Mass.
Marble-Nye Co. Foster, Worcester, Mass.
Marden, Orth & Hastings Corp., 136H Liberty, New York.
Marsden-Sewell Corp., 149 Church, New York
Merck & Co., 45H Park pl., New York.
Merrimac Chemical Co., 148 State, Boston, Mass.
Monsanto Chemical Works, 1800 S 2nd, St. Louis, Mo.
National Zinc Co., 61 B'way, New York
Naugatuck Chemical Co., Naugatuck, Conn.
Penna. Salt Mfg. Co., Widener bldg, Phila., Pa.
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.
Riddle Chemical Co., Inc., 35 S Dearborn, Chicago, Ill.
See adv index at end of book
Riverside Acid Works, Warren, Pa.
Robinson Bros., H Montrose av., Brooklyn, N. Y.
Scobell Chemical Supply Co. Inc., 131H Railroad, Rochester, N. Y.
Seydel Chemical Co., 86 Front, Jersey City N. J.
Southern Acid & Sulphur Co., Rialto bldg, St. Louis, Mo.
Stauffer Chemical Co., 624H California, San Francisco, Cal.
Thomson Chemical Co., Race & Winder, Baltimore, Md.
Trojan Powder Co., Jordan sta., Allentown, Pa.
United Chemical & Organic Products Co., 111 W Washington, Chicago, Ill.
Western Chemical Mfg. Co. (Commercial etc), Denver, Colo.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y.
See adv index at end of book

Acid (Oleic)

See Oils, Red

Acid (Oleum)

See Acid, Sulphuric Fuming

41— *Acid (Orange)

Butterworth-Judson Corp., 30 Church, **New York.**

42— Acid (Oxalic)

American Alkali & Acid Co., Bradford, Pa.
Bauer Philip Co., 53 Park pl, New York
Bell & Gossett Co., 117 N. Dearborn, Chicago, Ill.
Cooper & Cooper Inc., 23H Cliff, New York
Dissosway Chemical Co. Inc. (C. P.), 55-63 Eckford, Brooklyn, N. Y.
Ducas B. P. Co. (Imp.), 25 S William. New York
Fergusson, Alex. C., Jr., 474 Chestnut, **Philadelphia, Pa.**
See adv index at end of book
Fuerst Bros. & Co., 2 Stone, New York
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Greeff, R. W., & Co., 76 Front, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Herrick & Voight, 99 John, New York
Innis, Speiden & Co., Inc. (Imported), 46 Cliff, New York
Klipstein A. & Co. (Imp.), 644 Greenwich, New York
McKesson & Robbins (Imp.), 91 Fulton, New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Riddle Chemical Co., Inc., 35 S Dearborn, Chicago, Ill.
See adv index at end of book
Riker J. L. & D. S., 19 Cedar, New York
Riverside Mfg. Co., 4528 S. Broadway, St. Louis, Mo.
Roessler & Hasslacher Chemical Co. (Imported), 706 6th av, New York
See adv index at end of book
Sergeant E. M. Co., 131 Cedar, New York
Tennant C. Sons & Co. of N. Y. (Imp), 19 W. 44th, New York
Victor Chemical Wks., Fisher bldg, Chicago, Ill.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y.
See adv index at end of book

42a— Acid (Perchloric)

Dow Chemical Co., Midland, Mich.
Genesee Chemical Co., Batavia, N. Y.

43— Acid Phosphate

Adair A. D. & McCarty Bros., Atlanta, Ga.
American Agricultural Chemical Co., 2 Rector, New York
Arkansas Fertilizer Co., Little Rock, Ark.
Armour Fertilizer Works, U. S. Yards, Chicago, Ill.
Barker Chemical Co., Savannah, Ga.
Baugh & Sons Co., 20 S Delaware av, Phila., Pa.
Davison Chemical Co., Garrett bldg, Baltimore, Md.
Empire State Chemical Co., Athens, Ga.
Furman Fertilizer Co., Atlanta, Ga.
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
International Agricultural Corporation, 61 B'way, New York
Jarecki Chemical Co., Sandusky, O.
King Chemical Co., Bound Brook, N. J.
Lang J. M. & Co. (Brokers), Savannah, Ga.
Mt. Pleasant Branch, Virginia-Carolina **Chemical Co., Mt. Pleasant, Tenn.**
Nitrate Agencies Co., 102 Pearl, New York
Painter E. O. Fertilizer Co., Jacksonville, Fla.
Planters Fertilizer & Chemical Co., 509 Hibernia, New Orleans, La.
Rasin-Monumental Co., National Marine Bank bldg, Baltimore, Md.
Royster F. S. Guano Co., Norfolk, Va.
Southern Seed Co., Louisville, Ky.
Standard Wholesale Phosphate Co., Continental bldg, Baltimore, Md.
Swift & Co., Atlanta, Ga.
Swift & Co., Union Stock Yards, Chicago, Ill.
Tupelo Fertilizer Factory, Tupelo, Miss.
Virginia-Carolina Chemical Co., Richmond, Va.
Wuichet Fertilizer Co., Dayton, O.

44— Acid (Phosphoric)

Bowker Chemical Co., 40 West, New York
General Chemical Co., 40 Rector, New York
Innis, Speiden & Co., Inc., 46 Cliff, New York
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Provident Chemical Works, 3011 Idaho av., St. Louis, Mo.
Riddle Chemical Co., Inc., 35 S Dearborn, Chicago, Ill.
See adv index at end of book
Roessler & Hasslacher Chemical Co., (Syrup & Glacial), 706 6th av, New York
See adv index at end of book
Thomsen Chemical Co., Race & Winder, Baltimore, Md.
Victor Chemical Works (Also Paste), Fisher bldg., Chicago, Ill.
Warner Chemical Co. (1,400 S G), 52 Vanderbilt av, New York
Wilckes, Martin, Wilckes Co., 135 William, New York

44a— Acid (Phthalic)

Ciba Co. Inc., 134 Cedar, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Greeff, R. W. & Co., 78 Front, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Monsanto Chemical Works, 1800 S 2nd, St. Louis, Mo.
Youngstown Chemical Co., Youngstown, O.
Zinsser & Co., Hastings-on-Hudson, N. Y.

44b— Acid (Pickling)

Cooper, Chas., & Co., 194 Worth, New York

44c— Acid (Picric)

Butterworth-Judson Corp., 61 B'way, New York
DU PONT E. I. DE NEMOURS & CO. INC., Dyestuffs Dept., Wilmington, Del.
See adv index at end of book
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

45— Acid Plants (Complete)

Buffalo Foundry & Machine Co. (or in Part), 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Devine J. P. Co., Buffalo, N. Y.
Guarantee Construction Co., 92 West, New York
Pratt Engineering & Machine Co., Atlanta, Ga.

45a— Acid Plants (Hydrochloric)

Thermal Syndicate Ltd., 58 Schenectady av., New York

45b— Acid Plants (Phosphoric)

Thermal Syndicate Ltd., 58 Schenectady av., New York

46— Acid Plugs & Seats

Pratt Engineering & Machine Co., Atlanta, Ga.

47— Acid (Pyrogallic)

Berlin Aniline Works (Imp), 213 Water, New York
Greeff, R. W., & Co., 78 Front, New York
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park pl, New York.
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.

Acid (Pyroligneous)

See Acid, Acetic, Crude

47a— Acid Red

Butterworth-Judson Corp. **(Fast Red), 30** Church, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
National Gum & Mica Co., **12 W. End av.,** New York
Riddle Chemical Co., Inc., 35 S Dearborn, Chicago, Ill.
See adv index at end of book

48-9— Acid (Salicylic)

Dow Chemical Co., Midland, Mich.
DU PONT E. I. DE NEMOURS & CO. INC., Dyestuffs Dept., Wilmington, Del.
See adv index at end of book
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Fuerst Bros. & Co., 2 Stone, New York
Greeff, R. W., & Co., 78 Front, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Heyden Chemical Works, Garfield, N. J.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park pl, New York.
Merrell, W. S. Co., (Natural), 5th & Pike, Cincinnati, O.
Monsanto Chemical Works, 1800 S 2nd, St. Louis, Mo.
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Preston Chemical Co., Inc., 4th av, Brooklyn, N. Y.
Riddle Chemical Co., Inc., 35 S Dearborn, Chicago, Ill.
See adv index at end of book
Semet-Solvay Co. (Acetyl), Syracuse, N. Y.

50— Acid (Stearic)

Celina Stearic Acid Co., Celina, O.
Chrystal Chas. B. Co. Inc., 13 Cliff, New York *See adv index at end of book*
Clark F. C., 1406 N. Central, Chicago, Ill.
Darling & Co., 4201 S. Ashland ave, Chicago, Ill.
EMERY CANDLE CO. ("Standard" Double & "Luxe" Triple Pressed), 115 E. 4th, Cincinnati, Ohio
FERGUSSON ALEX C. JR., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Gross A. & Co., 90 West, New York
Harkness & Cowing Co., Murray St., Cincinnati, Ohio
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Jacob Chas. W. & Allison (Imp), 18 Cedar, New York
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Kuh E. S. & Valk Co. (Imp), Produce Exch., New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Mitchell-Rand Mfg. Co., 26 Vesey, New York
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Proctor & Gamble Co., Gwynne bldg, Cincinnati, O.
Riddle Chemical Co., Inc., 35 S Dearborn, Chicago, Ill.
See adv index at end of book
Riverside Mfg. Co. (White), 4528 S. B'way, St. Louis, Mo.
Salomon L. A. & Bro., 216 Pearl, New York
SMITH & NICHOLS, INC., 121 Maiden Lane, New York
Stevenson Bro. & Co., 110 Race, Phila, Pa.
Strahl & Pitsch (Imported), 141 Front, New York
Will & Baumer Co., Syracuse, N. Y.
Wilson-Martin Co., 30th & Market, Phila.

50a— Acid (Sulphanilic)

Agawam Chem. Wks., Grosvenor bldg, Prov., R. I.
Calco Chemical Co., Bound Brook, N. J.
Chemical Co. of America, 46 Murray, New York
Cooper & Cooper Inc., 23H Cliff, New York
DU PONT E. I. DE NEMOURS & CO. INC., Dyestuffs Dept., Wilmington, Del.
See adv index at end of book
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Marden, Orth & Hastings Co., 136 Liberty New York
National Aniline & Chemical Co., Inc., 40 Rector, New York
Verona Chemical Co., Verona av, Newark, N. J.

51— Acid (Sulphuric)

For Technical Use Only

American Alkali & Acid Co., Bradford, Pa.
American Metal Co., 61 B'way, New York
American Zinc, Lead & Smelting Co., 331 Madison, New York
Anaconda Copper Mining Co., 25 B'way, New York
Atlas Powder Co. (Fuming), Wilmington, Del.
Baker J. T. Chemical Co., Phillipsburg, N. J.
Baugh & Sons Co., The (Selling Agents), 25 So Calvert, Baltimore, Md.
Butterworth-Judson Corp., 30 Church, New York
Cleveland Cliff Iron Co., Rockefeller bldg, Cleveland, O.
Contact Process Co. (Also Fuming), 351 Abbott rd., Buffalo, N. Y.
Cooper Chas. & Co., 194 Worth, New York
Davison Chemical Co., Garrett bldg, Baltimore, Md.
Detroit Chemical Works, 100H Junction av., Detroit, Phila.
Ducktown Sulphur, Copper & Iron Co., Isabella, Tenn.
DU PONT E. I. DE NEMOURS & CO. INC., (Lithopone, Pigments & Heavy Chemicals Div.), 3500 Grays Ferry rd, Phila., Pa. *See adv index at end of book*
DU PONT E. I. DE NEMOURS & CO. INC., Special Product Div., Wilmington, Del.
See adv index at end of book
Eagle-Picher Lead Co., 208 S. La Salle, Chicago, Ill.
General Chemical Co., 40 Rector, New York
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Hegeler Zinc Co., Danville, Ill.
Illinois Zinc Co., Peru, Ill.
Kalbfleisch Corp., 200 5th av, New York
King Chemical Co., Bound Brook, N. J.
Lancaster Chemical Co., Lancaster, Pa.
Lennig Chas. & Co., 40 N. Front, Philadelphia, Pa.
Mallinckrodt Chemical Works (C P), 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Marsden-Sewell Corp. (dlrs.), 149 Church, New York
Matthiessen & Hegeler Zinc Co., La Salle, Ill.
Mechling Bros. Mfg. Co., Camden, N. J.
Merrimac Chemical Co., 148 State, Boston, Mass.
Mineral Point Zinc Co., 140 S Dearborn, Chicago,, Ill. Works: Mineral Point, Wis.
Monsanto Chemical Works, 1800 S 2nd, St. Louis, Mo.
National Zinc Co., 61 B'way, New York
National Zinc Separating Co. (All commercial grades), Platteville, Wis.
Naugatuck Chemical Co., Naugatuck, Conn.
NEW JERSEY ZINC SALES COMPANY, THE (Tank car lots 20% Fuming, 98%, 66° and 60° Be), 158 Front street, New York.
See adv index at end of book
Penna. Salt Mfg. Co. (Fuming, etc), Widener bldg, Phila., Pa.
Planters' Fertilizer & Phosphate Co., Charleston, S. C.
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.
Riddle Chemical Co., Inc., 35 S Dearborn, Chicago, Ill.
See adv index at end of book
Riverside Acid Works (Mfrs 50, 60 & 66 Electrolyte), Warren, Pa.
Royster F. S. Guano Co., Norfolk, Va.
Scobell Chemical Supply Co. Inc., 131H Railroad, Rochester, N. Y.
Sergeant E. M. Co., 131 Cedar, New York
Southern Acid & Sulphur Co., Rialto bldg, St. Louis, Mo.
Standard Acid Works (50°, 60°, 66° Acid & Fume Acid 66%), Continental bldg, Baltimore, Md.
Stauffer Chemical Co., 624 California, San Francisco, Cal.
Tennessee Copper Co., 61 B'way, New York
Thomsen Chemical Co., Race & Winder, Baltimore, Md.
Trojan Powder Co., Jordan sta., Allentown, Pa.
United Chemical & Organic Products Co., 111 W Washington, Chicago, Ill.
United Zinc Smelting Corp., 233 B'way, New York
Victor Chemical Works, Fisher bldg., Chicago, Ill.
Virginia-Carolina Chemical Co., Richmond, Va.
WIARDA JOHN C. & CO., 83 Provost, Brooklyn, N. Y.
See adv index at end of book
Williamson D. D. & Co., 86 Fulton, New York

52— Acid (Sulphuric, Fuming)

Butterworth-Judson Corp., 30 Church, New York
Contact Process Co., 351 Abbott rd., Buffalo, N. Y.
General Chemical Co., 40 Rector, New York
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
National Zinc Co., 61 B'way, New York
Penna. Salt Mfg. Co., Widener bldg, Phila., Pa.

52a— Acid (Sulphuric, Substitute)

Research Mfg. Co. Oak Lane, Phila., Pa.

52b— Acid (Sulphurous)

Beggs, E. J., & Co., 92 William, New York
Butterworth-Judson Corp., 30 Church, New York
Cooper, Chas., & Co., 194 Worth, New York
Hachmeister-Lind Chemical Co., Island & Leonard, Pittsburgh, Pa.
King Chemical Co., Bound Brook, N. J.
Maas A. R. Chemical Co., 308 E. 8th, Los Angeles, Cal.
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.
Riverside Mfg. Co., 4528 S. Broadway, St. Louis, Mo.
Seidner & Enequist, 86 Hausman, Brooklyn, N. Y.

53— Acid (Tannic)

Chilhowie Extract Co., Newport, Tenn.
Cooper & Cooper Inc., 23H Cliff, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Greeff, R. W., & Co., 78 Front, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park pl, New York.
Pfizer Chas. & Co., 81 Maiden la, New York
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.
Riddle Chemical Co., Inc., 35 S Dearborn, Chicago, Ill.
See adv index at end of book
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y.
See adv index at end of book
Zinsser & Co. (U. S. P.), Hastings-on-Hudson, N. Y.

54— Acid (Tartaric)

American Cream Tartar Co. (Powdered & Crystals), 624 California, San Francisco, Cal.
Cooper & Cooper Inc., 23H Cliff, New York
Fergusson Alex. C., Jr., 474 Chestnut, **Philadelphia, Pa.**
See adv index at end of book
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Herrick & Voight, 99 John, New York
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Pfizer Chas. & Co. (Crystals, Granulated & Powdered), 81 Maiden Lane, New York
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Riddle Chemical Co., Inc., 35 S Dearborn, Chicago, Ill.
See adv index at end of book
Riverside Mfg. Co., 4528 S. Broadway, St. Louis, Mo.
Sergeant E. M. Co., 131 Cedar, New York
Stauffer Chemical Co. (Powdered, Granular & Crystals), 624 California, San Francisco, Cal.
Tartar Chemical Works, 100 E 42nd, New York
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y.
See adv index at end of book

55— Acid (Tungstic)

Foote Mineral Co., 109 N. 19th, Phila., Pa.
Mineral Product Mfg. Co., Wilmington, Del.
York Metal & Alloy Co., York, Pa.

55a— Acid (Valeric)

Hercules Powder Co. (or Valerianic), Wilmington, Del.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park pl, New York.
Orr Chemical Co., Inc., Newark, N. J.

56— Acid Vessels

See also Jars, Acid

Bishop Gutta-Percha Co., 420 E 25th, New York
Cordley & Hayes, 32 Leonard, New York
See adv index at end of book
Eagle-Picher Lead Co., 208 S. La Salle, Chicago, Ill.
General Ceramics Co. (Stone Coave Storage Vessels), 50 Church, New York
Gutta Percha & Rubber Mfg. Co. (Acid Pails), 350 Madison av, New York

56a— Acid Violet

Butterworth-Judson Corp., 30 Church, New York
Ciba Co. Inc., 134 Cedar, New York
National Aniline & Chemical Co., Inc., 40 Rector, New York
National Gum & Mica Co., 12 West End av, New York

57— Acid (Vulcanizing)

Empire Tire & Rubber Corp., East Trenton, N. J.

58— Acid (White)

General Chemical Co. (For Frosting Glass), 40 Rector, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Wiarda John C. & Co (for Frosting Glass), 83 Provost, Brooklyn, N. Y.
See adv index at end of book

59— Acidometers

Creamery Package Mfg. Co. (Automatic), 61 W. Kinzie, Chicago, Ill.
Eimer & Amend, 205 E. 18th, New York
Tagliabue Chas. J. Mfg. Co., 18 33d, Brooklyn, N. Y.

60— Acids

Butterworth-Judson Corp., 61 B'way, New New York
DU PONT E. I. DE NEMOURS & CO. INC., (Lithopone, Pigments & Heavy Chemicals Div.), (All Kinds, Acetic, Muratic, etc.), 3500 Grays Ferry rd., Phila, Pa.
See adv index at end of book
Fergusson Alex C. Jr., 474 Chestnut, Phila., Pa.
See adv index at end of book
Innis Speiden & Co., Inc., 46 Cliff, New York

60a—*Acids for Pickling Iron & Steel

American Chemical Paint Co. ("Deoxylyte"), 1118 S 11th, Phila., Pa.

61— Acids (Wood)

Corbett M. J. & Co., Binghamton, N. Y.
Corbett & Stuart, Binghamton, N. Y.
Georgia Pine Turpentine Co. of N. Y. (Crude), 158 Perry, New York
Leighton Arthur Co., Methol, N. Y.
Luzerne Chemical Co., Pittston, Pa.
Penn Chemical Co., Susquehanna, Pa.
Wright Chemical Co., Susquehanna, Pa.

62— Aconitine

Hoffman-La Roche Chemical Works, 19 Cliff, New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

Acousticons

See Audiphones

63— Actions (Piano)

Abbott J. L. & Son, Fort Lee, N. J.
Amphion Piano Player Co. (pneumatic), Syracuse, N. Y.
Auto Pneumatic Action Co ("Auto De Luxe" Pneumatic Player Piano), 12th & 51st, New York
Bogert & Hopper Inc. (Wood parts for), 57 Barclay, New York
See adv index at end of book
Cheney A. C. Piano Action Co., Castleton, N. Y.
Englehardt Piano Co., St. Johnsville, N. Y.
Estes E. B. & Sons (Wood Parts), **364 5th av,** New York
See adv index at end of book
Newman Brothers Co. (Player), 806 Dix, Chicago, Ill.
Norris Noiseless Pedal Action Co., Stoughton, Mass.
Piano & Organ Supply Co., 2132 N Racine av, Chicago, Ill.
Seaverns Piano Action Co., Military rd., Buffalo, N. Y.
Standard Action Co., Cambridge, Mass.
Standard Pneumatic Action Co., 638 W 52d, New York
Thayer Action Co., Rockford, Ill.

64—Adapters (Conduit Bushing)

Rattan Mfg. Co. ("R. M. C."), 552 S. State, New Haven, Conn.
Steel City Electric Co. ("Steel City"), 1207 Columbus av, Pittsburgh, Pa.

65— Adapters (Lamp)

Arrow Electric Co., Hartford, Conn.
Bryant Electric Co., 1421 State, Bridgeport, Conn.
Central Telephone & Electric Co. ("Ajax" Tungsten), 310 N 11th, St. Louis, Mo.
Culver-Stearns Mfg. Co., 53 Grafton, Worcester, Mass.
Dale Lighting Fixture Co. (Tungsten), 107 W 13th, New York
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Handlan-Buck Mfg. Co. (Switch Staff), 210 N. 3rd, St. Louis, Mo.
Hubbell Harvey, Bridgeport, Conn.
MORSE, FRANK W. ("Handy" for Candelabra to Standard, Ediswan to Candelabra, Standard to Ediswan, Ediswan to Standard, Foreign Ediswan to Standard, French to Candelabra, Standard to Mogul. D. C. to S. A. Ediswan or reverse, Candelabra to Ediswan), 289 Congress, Boston, Mass.
See adv index at end of book
National X-Ray Reflector Co. ("X-Ray Curtis"), 235 W. Jackson blvd, Chicago, Ill.
Plume & Atwood Mfg. Co. (Auto & Reading), 470 Bank, Waterbury, Conn.
Rosen A. W. & Co., 610 B'way, New York
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
White J. H. Mfg. Co., 111 N 3d, Brooklyn, N. Y.

65a— Adapter (Thimble)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

66— Addressing & Mailing

Blum's Advertising Agency, 20 Jones, San Francisco, Cal.
Boston Mailing Co. (New England only), 394 Atlantic av, Boston, Mass.
Boyd's City Dispatch, 114 E. 23rd, New York
BUCKLEY DEMENT & CO., 300 Throop st (corner Jackson blvd), Chicago, Ill.
Business Address Co., 23 Barclay, New York.
Chicago Addressing Co. (Also printing & mailing lists), 720 S. Dearborn, Chicago, Ill.
Hageman Publicity Agency (Direct by Mail Advertising, Mimeographing & Multigraphing), Arcade bldg, St. Louis, Mo.

HAGEMAN PUBLICITY AGENCY
COPY DEPT. specializing in sales literature.
LIST DEPT. backing lists 100% with 2c refund.
LETTER SHOP having Multigraphs, Mimeographs, Mimeoscope, Multi-color Press, Folder, Mailometer, Matching Typewriters for perfect "fill-ins"; guaranteeing Addressing 100%.
800 OLIVE ST. ST. LOUIS, MO.

Heiden's Mailing Bureau, 606 Union, Seattle, Wash.
Howe C. E. Addressing & Printing Co., 1710-12 Market, Phila., Pa.
Le Claire Co., W. 5th, Davenport, Iowa
Los Angeles Addressing & Mailing Co., 120 E. 9th, Los Angeles, Cal.
Marshall G. Robert Letter Co., 431H S. Dearborn, Chicago, Ill.
Motor List Co., 1270 Ontario, Cleveland, Ohio
Rodgers Addressing Bureau, 365 Market, San Francisco, Cal.
Ross-Gould Co., 390 N 10th, St. Louis, Mo.
See adv index at end of book
Trade Circular Addressing Co., 166H W. Adams, Chicago, Ill.
U. S. Addressing & Printing Co., 38 Vesey, New York.

67—Adjusters (Automatic Slack)

American Brake Co. ("Westinghouse"), 1932 N B'way, St. Louis, Mo.
Hegeman-Castle Corp. ("Anderson"), 80 E. Jackson, Chicago, Ill.
Holden & White ("Anderson"), 343 S. Dearborn, Chicago, Ill.
Ryan T. J. & Co., 17th & Arch, Phila, Pa.

68— Adjusters (Brake Slack)

American Brake Co., 1932 N B'way, St. Louis, Mo.
Chicago Railway Equipment Co. ("Creco"), 1928 W 46th, Chicago, Ill.
Gould Coupler Co., 30 E 42d, New York
Holden & White, 80 E Jackson, Chicago, Ill.
Smith-Ward Brake Co., Inc., 17 Battery pl, New York
Standard Coupler Co. ("Shim" Automatic), 110 E. 42nd, New York
Standley Skid Chain Co. ("Standley"), Boone, Ia.
Western Railway Equipment Co. ("Acme" Automatic), Central Nat'l Bk bldg, St. Louis, Mo.

69— Adjusters (Chain)

Hamachek Frank ("Ideal," for Link-Chain Belting), Kewaunee, Wis.
Standley Skid Chain Co. ("Standley" automatic), Boone, Ia.

70— Adjusters (Lamp)

MORSE FRANK W. ("Webster"), **289** Congress, Boston, Mass.
See adv index at end of book

71— Adjusters (Lamp Cord)

American Enamel Co., Providence, R. I.
Austin M. B. & Co. ("Gem"), 706 W Jackson blvd, Chicago, Ill.
Baltes H. A., Garwood, N. J.
Bogert & Hopper Inc. (Electrical Lamp, etc.), 57 Barclay, New York
See adv index at end of book
Crouse-Hinds Co., Syracuse, N. Y.
DELAWARE HARD FIBRE CO., (Electric Light, etc., Fibre), Wilmington,
See adv index at end of book
Diamond State Fibre Co. (Fibre), Dept. 37, Bridgeport, Pa.
See adv index at end of book
ESTES, E. B. & SONS (Electric), **364 5th** av, New York
See adv index at end of book
Frantz Mfg. Co. ("Lightning"), Sterling, Ill.
Gund Mfg. Co., La Crosse, Wis.
Ham E. W. Electric Co., Burnside Court, Worcester, Mass.
Harter Co., Waukegan, Ill.
Indispensable Mfg. Co., San Francisco, Cal.
McGill Mfg. Co. ("Innovate") 77 Oak, Valparaiso, Ind.
Milam B. C. & Son, Frankfort, Ky.
MORSE FRANK W. ("Morse" Automatic "Handy"), 289 Congress, Boston, Mass.
See adv index at end of book
National Vulcanized Fibre Co., Beech & Maryland av, Wilmington, Del.
See adv index at end of book
Novelty Turning Co., Norway, Me.
Kunzel-Lenz Electric Mfg. Co. ("R-L" Telephone cord adjuster), **1751 N** Western av, Chicago, Ill.
Standard Fibre Co., Miller st, Somerville, Mass.
Trumbull Electric Mfg. Co. ("Ideal"), Plainville, Conn.
Wilmington Fibre Specialty Co., Wilmington, Del.
Yost Elec. Mfg. Co. ("Electrogrip"), Toledo, Ohio

Adjusters (Shade)

See Adjusters, Window Shade

72— Adjusters (Switch Plate)

Electric Apparatus Co., 701 W. Jackson blvd., Chicago, Ill.

73— Adjusters (Telephone Cord)

Diamond State Fibre Co., Dept. 37, Bridgeport, Pa.
See adv index at end of book

74—Adjusters (Window Casement)

Casement Hardware Co. ("Win-Dor"-"Bull-Dog"), 230 E. Ohio, Chicago, Ill.
Champion Hardware Co. ("Champion," Casement Window), Geneva, O.
Dent Hardware Co., Fullerton Pa.
Ellison Brass Mfg. Co., Jamestown, N. Y.
Grant Pulley & Hardware Co., 101 Park av, New York
Holbrook, H. E., Co. ("Whitney"), 49 Federal, Boston, Mass.
Ives H. B. Co., 5 Artizan, New Haven, Conn.
Lyons Mfg. Co. ("Interlock"), 342 York, New Haven, Conn.
MALLORY MANUFACTURING CO., Flemington Nat. Bk. bldg, Flemington, N. J. *See adv index at end of book*
Parsons Mfg. Co., 313 N. Whipple, Chicago, Ill.
Payson Mfg. Co., 2918 W Jackson blvd, Chicago, Ill.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Richards-Wilcox Mfg. Co. (Multifold), Aurora, Ill. *See adv index at end of book*
Rixson Oscar C. Co. (& Transom), 4450 Carroll av., Chicago, Ill.
Russell & Erwin Mfg. Co., New Britain, Conn.
Safe Padlock & H'dwe Co, Lancaster, Pa.
Sargent & Co., Water & Wallace, New Haven, Conn.
Superior Spring Hinge Co. ("Superior"), 550 W. Lake, Chicago, Ill.
United Specialties Mfg. Co. ("United"), Jamaica, N. Y.
Universal Sales Co. ("Universal"), 1916 B'way, Oakland, Cal.
Weber-Knapp Co. (Wrought Brass Window), Jamestown, N. Y.
Whitney Vincent Co. ("Whitco"), 365 Market, San Francisco, Cal.
Wilcor Mfg. Co., 4824 W. Lake, Chicago, Ill.
Wilkins Geo. Lester (For Swingout Casements), 180 N Market, Chicago, Ill.

75—Adjusters (Window Shade)

Forse Mfg. Co., Anderson, Ind.
Ives H. B. Co., 5 Artizan, New Haven, Conn.
Lancaster Clamp Window Shade Pull Co. ("Clamp" adjusts and pulls the shade up or down), Lancaster, Pa.

76—Adjusters (Window Stop)

Grant Pulley & Hardware Co., 101 Park av, New York
Ives H. B. Co., 5 Artizan, New Haven, Conn.

76a—Advance Construction & Industrial Information

DAILY BULLETIN, Published by Manufacturers' Record, Water & Commerce, Baltimore, Md.
See adv index at end of book

77— Advertising Agencies

Adoil Agency, Oil City, Pa.
Advertising Laboratories, The (Technical), 1142 Market, Canton, O.
Aitkin-Kynett Co., 1516 Chestnut, Phila., Pa.
Allied Crafts Service, 712 Kanawka Bank bldg., Charleston, W. Va.
Ayer, N. W. & Son, 308 Chestnut, Philadelphia, Pa.
Barker, Duff & Morris Inc., 323 Fourth av, Pittsburgh, Pa.
Barton, Durstine & Osborn, 383 Madison, New York.
Batton, Geo. & Co., 381 4th av, New York
Betting-Thompson-Madden Inc., Globe bldg., St. Paul, Minn.
Blackiston G. P. & Staff, 1142 Market, Canton, Ohio

(Continued on following page)

Advertising Agencies—Cont.

Blum's Adv. Agency (Mail Advertising in all its Branches), 20 Jones, San Francisco, Cal.
Bolton, Meek & Wearstler, Hippodrome bldg., Youngstown, Ohio
Brooke, Smith & French, Kresge bldg., Detroit, Mich.
Bull, Norris L., 721 Main, Hartford, Conn.
Cochrane, Witt K. Advertising Agency, 30 N. Dearborn, Chicago, Ill.
Conover, S. A. Co., 99 Chauncey, Boston, Mass.
Critchfield & Co., Brooks bldg, Chicago, Ill.
D'Arcy Advertising Co., International Life bldg., St. Louis, Mo.
Derby, Brown & Co., Inc., 11 Avery, Boston, Mass.
Diamond Service, Waterbury, Conn.
Field Advertising Service, Indianapolis, Ind.
Florian Paul A. Jr., 122 S. Michigan, Chicago, Ill.
Gibson, Geo. H. Co. (Steam & Mechanical Engineering, etc.), 100 Gold, New York.
Goodwin, H. C., Inc., Union Trust bldg., Rochester, N. Y.
Gotham Advertising Co., 114 Liberty, New York.
Gray, Russell T., Advertising Agency, 616 S. Michigan, Chicago, Ill.
Ham-Jackson Co., Inc., 310 Ankeny, Portland, Ore.
Hancock Payne Advertising Agency, 403 Drexel bldg., Philadelphia, Pa.
Hazard Advertising Corp., 7 E. 42nd, New York
Holmes Advertising Service, 541 Wood, Pittsburgh, Pa.
Industries Publicity Corp., 233 Broadway, New York
Kirkgasser Geo. J. & Co., Wrigley bldg, Chicago, Ill.
Knoll H. W., 465 California, San Francisco, Cal.
Kobbe Philip Co., Inc., 45 W. 45th, New York
Kuhl & Bent Co. (Printers, Lithographers, Embossers, High Class Form Letters, etc.), 23 N. Desplaines, Chicago, Ill.
Low F. J. Co., Inc., 15 W. 44th, New York
Lozier Ad Service, 508 S. Dearborn, Chicago, Ill.
McCann, H. K. Co., 625 National City bldg., Cleveland, O.
McCarthy Co., 1106 Baker-Derwiler bldg., Los Angeles, Cal.
McLain-Hadden-Simpers Co. (Steam & Mechanical Engineering, etc.), 210 S 7th, Philadelphia, Pa.
Mac Martin Adv. Agency, Security bldg., Minneapolis, Minn.
Mace Advertising Agency, Lehman bldg, Peoria, Ill.
Manternach Co., Hartford, Conn.
Morris, Herbert M. Advertising Agency, N. American bldg., Philadelphia, Pa.
Morris, Philip Advertising Service, First Natl Bank bldg., Chicago, Ill.
Moser & Cotins, 206-212 Paul bldg., Utica, N. Y.
Mutual Service Corp., 140 Cedar, New York.
Myers-Beeson-Golden, Inc., 605 2nd Natl. Bank bldg., Toledo, Ohio
Patterson-Andress Co., 1 Madison av, New York
Porter, Eastman & Boyne, 22 W. Monroe, Chicago, Ill.
Powers House Co., Racine bldg, Cleveland, Ohio
Pratt-Moore Adv. Co., Ford bldg, Detroit, Mich.
Presbrey Frank Co., 247 Park av., New York.
Randall Fred M. Co., Tower bldg, Chicago, Ill.
Rickard & Co., Inc., 25 Spruce, New York.
Ruthrauff & Ryan, 404 Fourth av, New York
Sacks Co., Inc., 120 W. 42nd, New York
Snow, Walter B. Snow & Staff, 60 High, Boston, Mass.
Structural Service Bureau, 112 S. 16th, Phila., Pa.
Sweeney & James Co., 1632 Euclid av., Cleveland, O.
Teas, Paul, Guardian bldg., Cleveland, O.
Technical Publicity Co., Pittsburgh, Pa.
Tobin, James Francis, 5033 Cedar av., Philadelphia, Pa.
Von Weller-Lyon Co., 180 N. Market, Chicago, Ill.
Walker, Wm. S. Co., Oliver bldg., Pittsburgh, Pa.
Wallower, Roland C., 918 N. 16th, Harrisburg, Pa.
Waring, Vechten Co. (Advertising Writing, Printing, Illustrating & Booklets, Catalogues, etc.), 15 W. 37th, New York
Wightman-Hicks, Inc. (Counsellor & Consulting Engineer in Technical Advertising & Marketing Exclusively), 50 Union sq, New York
Winchell H. C., 230 E Ohio, Chicago, Ill.

78— Advertising (Direct Mail)

BUCKLEY, DEMENT & CO., 300 Throop st (corner Jackson blvd), Chicago, Ill.

79—Advertising Novelties & Specialties

See also Index for Adv. Rules, Tapes, etc
See also Metal Novelties & Specialties
Advertisers Printing Co., 128 Halleck, San Francisco, Cal.
Advertising Leather Specialty Co. (Leather), 26 W. 17th, New York
Advertising Novelty Mfg. Co., Newton, Iowa
Advertising Scale Co. (Advertising Heads for Scales), 117 N. Daly, Los Angeles, Cal.
Aluminum Container Corp. (Aluminum Cards, Boxes & Clocks), Fulton, New York
Aluminum Goods Mfg. Co. (Aluminum), Manitowoc, Wis.
Aluminum Sign Co., Kewaunee, Wis.
Aluminum Specialty Co., Manitowoc, Wis.
American Art Sign Co., 201 37th, Brooklyn, N. Y.
American Art Works (Calendars, Celluloid & Leather Novelties, Pocket Books & Diaries, etc), Coshocton, O.
American Blank Book Mfg. Co. (Leather), 150 Lafayette, New York
American Badge Co. (Metal Fobs, Celluloid Novelties, etc), 143 W Austin av, Chicago, Ill.
Am. Display Co. (Mechanical), Dayton, O.
Am. Emblem Co., Inc. (Metal), 333 Columbia, Utica, N. Y.
American Luminous Products Co. (Clocks, Danger Signals, Bulbs, Boxes, Calenders, Switch Plates), Huntington Park, Cal.
American Mfg. Co. (Full Line of Wooden Novelties), Dept. H, Falconer, N. Y.
Am. Name Plate Mfg. Co. Inc., 267 Wyckoff, Brooklyn, N. Y.
Am. Spec. Co., 9 Vose, Rochester, N. Y.
Anderson W. A. & Co. (Leather), 41 Park Row, New York
Anthe Phil J. & Co., 113 W. 4th, Cincinnati, Ohio
Architects Card File Co., 35 Montgomery, San Francisco, Cal.
Atwater S. I., 101 Lafayette, New York
Autopoint Company, 4619 Ravenswood, Chicago
Bain Fred B., Royal Ins. bldg, San Francisco, Cal.
Bainbridge Chas. J., Syracuse, N. Y.
Baker Advtg. Co. (Calendars), 417 Central blk, Pueblo, Colo.
Baker Oliver Mfg. Co., 315 1st av, N Minneapolis, Minn.
Balch Bros. & West, Utica, N. Y.
Bankers Utilities Co., 289 1st, San Francisco, Cal.
Barlow Co. (Brass, Copper, etc), Holyoke, Mass.
Barwell Spec. Co., 815 9th, N. E., Canton, Ohio
Bastian Bros. Co. (Celluloid & Metal), Rochester, N. Y.
Beach Leather Co., Coshocton, O.
Beckman Tnos. J. Co., 310-316 N 11th, Philadelphia, Pa.
Bedford Aluminum & Specialty Co., 4 Reade, New York
Bell Co., 151 2nd cor. N., Nashville, Tenn.
Bellevue Mfg. Co., Lee, Mass.
Bemis Bro. Bag Co. (Aprons, Fac-Simille Bags & Paper Bags), 601 S 4th, St. Louis, Mo.
Berg Bros. (Leather), 480 B'way, New York
Berlin Fabric Mfg. Co. (Dust Caps, Cloth Advertising Novelties), Berlin, Wis.
Best Mfg. Co. (Calendars, Card & Novelties), State & Elm, New Haven, Conn.
Blackwell F. E. (Auto Adv. Specialties), 630 Mission, San Francisco, Cal.
Blanchard Isaac H. Co., 418 W. 25th, New York
Bogert & Hopper Inc. (Full Line of Wooden Turned Novelties), 57 Barclay, New York *See adv index at end of book*
Bostwick-Goodell Co. (Wooden Specialties), Norwalk, O.
Boyeson H. C. & Co., 350 Minnesota, St. Paul, Minn.
Bradford & Co. (Leather), St. Joseph, Mich.
Brazel Novelty Mfg. Co. (Aerial Ads), 1710 Ella, Cincinnati, O.
Broderick Co., 464 Robert, St. Paul, Minn.
Broome & Herbeg Co., Coshocton, Ohio
Brumi Hy. Co., 110 Liberty, New York
Business Reviving Co., Oblong, Ill.
Bulman, E. O., Mfg. Co., Grand Rapids, Mich.
Carton Corp. (Display Cards), 645H Brannan, San Francisco, Cal.
Calcium Light Advtg. Co., Newburgh, N.Y.
Canton Cutlery Co. (High Grade Photo Pocket Knives), 1212 5th S. W., Canton, Ohio
Canton Glass Co. (Glass Paperweights and any Special Designs made from Blue Prints or Models), Marion, Ind.
Carpenter L. A. Press. Metal Co. (Brass & Steel), Cambridge, Mass.
Carroll J. Bruce (Celluloid, Metal & Paper Specialties, etc.), 319 N. Albany av, Chicago, Ill.
Cawood Novelty Mfg. Co., Danville, Ill.
Cleophas Chas., 425 E. Windsor rd, Glendale, Cal.
Colson W. O. Co., 118-20-22 S Main, Paris, Ill.
Com. Utilities Mfg. Co., 728 W. Randolph, Chicago, Ill.
Cook Chas K. Co. (Leather), 211-213 S Second, Camden, N. J.
Corthaus A. C. Spec. Co., 81 Michigan, Milwaukee, Wis.
Coshocton Art Leather Co., Coshocton, O.
Coshocton Specialty Co., Coshocton, O.
Crescent Leather Goods Co., 40 W. 20th, New York
Cruver Mfg. Co., 2456 W. Jackson blvd, Chicago, Ill.
Cutter Automatic Service Co. (Advertising Machine), 755 S San Fernando rd, Glendale, Cal.
Datz Albert Co., Jersey City, N. J.
Davis-Smith Co. (Business Greeting Cards), 186 Lincoln, Boston, Mass.
Deaton G. H. & Co., 216 N. Clinton, Chicago, Ill.
DELAWARE HARD FIBRE CO. (Hard Fibre), Wilmington, Del. Works: Marshallton, Del.
See adv index at end of book
Delta Co., 629-631 Main, Osage, Ia.
Denney Tag Co., Inc. (Tags), West Chester, Pa.
Detroit Name Plate Etching Co., 684 E. Congress, Detroit, Mich.
Diamond State Fibre Co. (Hard Fibre Novelties Only), Dept. H, Bridgeport, Pa.
Dunne Thos. Co., 415-417 Natchez, New Orleans, La.
DU PONT E. I. DE NEMOURS & CO. INC., Poughkeepsie Plant (Pyralin Misc.), Poughkeepsie, N. Y.
See adv index at end of book
Eastern Advtg. Co., 8 W 40th, New York
Eisenstark & Lipshitz (Leather), 26 W 17th, New York
Electric Appliance Mfg. Co., Dept. H, Waterbury, Conn.
Electro Chemical Engraving Co., 450 19th, Brooklyn, N. Y.
Elwood Myers Co. (Calendars, Leather Goods, Signs, etc), Springfield, O.
ENAMELED STEEL SIGN CO. (Metal Signs & Steel Bulletins), 320 E. North Water st., Chicago, Ill.
See adv index at end of book
Englehardt Jno. W. Co., 121 Carondelet, New Orleans, La.
Estes E. B. & Sons (Full Line of Wooden & Turned Wood Novelties), 364 5th av, New York *See adv index at end of book*
Etching Company of Am., 1520H Montana, Chicago, Ill.
Exclusive Advtg. Co., Oak Park, Ill.
Feis Chas. J. Co., 114 E. 16th, New York City, N. Y.
Felsenthal G. & Sons (Celluloid, Paper, Metal), 1407 Hudson, Chicago, Ill.
Firstenberg J., 53 E. 10th, New York
Florin, Philip (Leather), 11 E. 26th, New York
Forbes W. H. Co. (Leather), Gloversville, N. Y.
Fox Gustav Co. (Metal), Fox bldg., Cincinnati, Ohio
Frank J. W. & Sons, Peoria, Ill.
French E. W. Co., 150 Park Row, New York
Gair Robert Co., 350H Madison av., New York
Geiger Bros., 17-23 Nevada, Newark, N. J.
General Etching & Mfg. Co., 312 S. Hamilton av, Chicago, Ill.
General Pencil Co., 73 Fleet, Jersey City, N. J.

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Geraghty & Co. (Celluloid Mirrors & Tape Measures, Nickel Match Boxes, Buttons, Flags, etc.), 3035 W Lake, Chicago, Ill.
Gilbert E. T. Mfg. Co., Rochester, N. Y.
Giogau & Co., Great Lakes bldg., Chicago, Ill.
Goes Lithographing Co. (Art Advertising Blotters), 42 W. 61st, Chicago, Ill.
Gohde Nov. Co., Viroqua, Wis.
Golden Belt Mfg. Co. (Cloth Bags), Durham, N. C.
Goodell Jas. M. Jr. Inc., 150 N Laramie av, Chicago, Ill.
Graeser Mfg. Co. (Glass Paper Weights, Soda Dispensing Bottles & Ash Trays; Advertisement Burnt on), 1933 Charles, Pittsburgh, Pa.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Grand Rapids Calendar Co., 572-576 Division av S, Grand Rapids, Mich.
Gribble Advtg. Co., 78 Main, Galena, Ill.
Griffith C. A. Co., Bellingham, Wash.
Hance J. W. Foundry Co., Westerville, O.
Hano Philip (Leather), 799 B'way, New York
Harris Benj. Co., 229 Bowery, New York
Hauser & Weil (Leather), 424 W. 33rd, New York
Hawkeye Advtg. Co., Clarinda, Ia.
Healey Geo. R. Mfg. Co. (Felt), 848 Santer, Los Angeles, Cal.
Hero Mfg. Co. (Aluminum), 1426 Chestnut, Phila, Pa.
Hoaghn Mfg. Co., Waupaca, Wis.
Hodes & Sullivan, 140 Nassau, New York
Holstead W. W., Scimiter bldg, Memphis, Tenn.
Hoodwin J. W. Co. (Sales Boards & Cards), 2949 W. Van Buren, Chicago, Ill.
Huntsinger J. H. Adv. Mfg. Co., 114 N. 10th st., Kansas City, Mo.

Ideal Specialties Mfg. Corp. (Calendar "Up to Date"), 552 Pearl, New York
Igelstroem Jno. Co., Massillon, Ohio
Index Republican Co., Bellefontaine, Ohio
Jeffries W. P. Co., 117-21 Winston, Los Angeles, Cal.
Johnson Ezra Novelty Co. (Leather), Newnan, Ga.
Kalamazoo Advtg. Co., Kalamazoo, Mich.
Kearby E. J. & Co., St. Joseph, Mo.
Keller Crescent Co., Princeton, Ind.
Kenyon Co., 303 Grand av, Des Moines, Ia.
Ketterlinus Lithographic Mfg. Co. (Calender Backs, Advertising Fans, Book Marks, Blotters, etc), 4th & Arch, Phila., Pa.
Knickerbocker Leather & Novelty Co., 79 5th av, New York
Knoell Mfg. Co., Tonawanda, N. Y.
Lancaster Glass Co. (Glass Novelties), Lancaster, O.
Landa A. & Sons Co. (Leather), 1706 Foster av, Chicago, Ill.
Levy & Merzbach (Leather), 44 W. 28th, New York
Lincoln Advertising Co. (Calendars & Specialties), Lincoln, Neb.
Livermore & Knight Co., 36 Pine, Providence, R. I.
Lufkin Rule Co. (Tapes & Rules), Saginaw, Mich.
McCormick Co., Coshocton, O.
McKay Spec. Co., Anderson, Ind.
Marill Novelty & Metal Co., Walden, Mass.
Martin Luther E. Co., 411 Equitable bldg., Baltimore, Md.
Massillon Cleveland-Akron Sign Co., Massillon, O.
Meek J. F. Co., Coshocton, O.
Meeker Advertising Co., Third & Missouri av, Joplin, Mo.
Mergott J. E. Co., 316 Jelliff av, Newark, N. J.
Metallograph Corp., 52 Vanderbilt, New York, or Grand Central Terminal
Metropolitan Imptg. & Mfg. Co. (Aluminum), 423 W. 55th, New York
Milan Independent, 107 Third, Milan, Ill.
Miller J. M. Co., 764 8th, Milwaukee, Wis.
Mills R. C. (Novelties), 525 Market, San Francisco, Cal.
Milwaukee Advertising & Novelty Co. (Cigar Lighters), 813 Majestic bldg., Milwaukee, Wis.
Moise-Klinkner Co., 369 Market, San Francisco, Cal.
Moore J. M., 435 Peyton blk., Spokane, Wash.
Moore T. F. Co. (Window Display & Store Advertising), 19 W 44th, New York
Morgenstern & Brill (Leather), 26 W 17th, New York
Morse A. B. Co., St. Joseph, Mich.
Muerdter Emil, 1428 Hunting Park av, Phila., Pa.
Murphy Thos. D. & Co., Red Oak, Ia.
Myers Elwood Co. (Leather), Springfield, Ohio
Napier-Browning Co. (Celluloid), 105 W 40th, New York
National Advertising Co., Caxton bldg, Cleveland, Ohio
National Art Works ("Bras Etch" Show Case Inserts & Shelf Strips), Covington, Ky.
National Sheet Metal Co. (Stamped from "Nicolene" or Nickeltin), Peru, Ill.
Neuer & Hoffman (Advertising Twine), 75 Grand, New York
Newark Elmer A. & Co., Charlotte, Mich.
New England Calendar & Novelty Co., 983 Main, Hartford, Conn.
Niagara Falls Metal Stamping Works (Aluminum, Brass, Copper, etc), Niagara Falls, N. Y.
Noble F. H. & Co. (Metal Specialties), 555H W. 59th, Chicago, Ill.
Novelty Advertising Co., Cochocton, O.
Novelty Cutlery Co. (Pocket Knives), 515 McGregor av., N. W., Canton, O.
Novitas Sales Co. (Metal & Cardboard), Waltham, Mass.
O'Brien J. M. Co., 218 S B'way, Los Angeles, Cal.
Offerman F. J. Art Wks., 301 Broadway, Buffalo, N. Y.
Ohio Printing & Publishing Co. (Calendars), Massillon, O.
Omaha Leather Co. (Leather), Omaha, Neb.
Ortmann A. & Son (Leather), 107 W. 124th, New York
Osborne Co. (Calendars & Novelties), 759 Summer av, Newark, N. J.
Pacific Advertising Corp. (Advertising Machine), Monadnock bldg, San Francisco, Cal.
Pacific Balloon Co., Blaine, Riverside, Cal.
Paris Belt & Novelty Co. (Bather), 231 N Wills, Chicago, Ill.
Parrott Matt & Sons Co., Waterloo, Ia.
Peerless Leather Specialty Co., 11 E. 26th, New York
Pilgrim Specialty Co., Malden Mass.
Putnam-Martin Co., 307 Superior, N. W., Cleveland, Ohio
Rand F. L. Co., Arcade bldg., St. Louis, Mo.
Reading Ribbon Badge Co., Reading, Pa.
Readograph Adv. Co., Inc.
Reed, Evan L. Mfg. Co., Tipton, Danville, Ill.
Regenstein-Veeder Co., 3432 N. Kimball av, Chicago, Ill.
Rehberger Mfg. Co. (Desk Specialties), 2159 Lewis, Chicago, Ill.
Riordan T. G. Mfg. Co., 3943 Lincoln av, Chicago, Ill.
Rippel Mfg. Co., Lafayette, Ohio
Ritzville Advtg. Co., Ritzville, Wash.
Ristau, G. W. & Co., Kaukauna, Wis.
Riverside Printing Co. (Calendars), 300 Hanover, Milwaukee, Wis.
Riverside Printing Co. (Memo. Books & Blotters), Port Huron, Mich.
Robbins Co., 30 W. 47th, New York
Rockford Leather Goods Co. (Leather), Rockford, Ill.
Rose Co. (Engraved Christmas Cards & Calendars), 27th & Arch, Phila., Pa.
Roseville Pottery Co. (Match & Ash Holders), Zanesville, O.
Rudy Jno. A. & Son, Carlisle, Pa.
Rumpp C. F. & Sons (Leather), 5th & Cherry, Phila., Pa.
Ryder Bros., Baker, Ore.
St. Louis Button Co. (Badges, Buttons, Banners, Enam. Emblems & Pins), 413 Lucas av, St. Louis, Mo.
San Francisco Calendar Novelty Co., 329 1st, San Francisco, Cal.
Schimper, Wm. & Co., 332-338 Ferry, Hoboken, N. J., & 33 Union sq., West New York.
Schindler Charles ("Bubbler"), Toledo, O.
Schlesinger Leo & Co. (Desk Clocks, Calendars, Hand Blotters, etc.), 537 Greenwich, New York
Schnuerer & Murray (Leather), 15 E 32d, New York
Seaman N. & Co., Irregon, Ore.
Searle & Dressler, 1201 Liberty, Allentown, Pa.
Seneca Falls Rule & Block Co., Inc., Dept. H, Seneca Falls, N. Y.
Shaw Advertising Co. (Calendars, Horse Covers, Cloth Goods, etc), Produce Exchange bldg, Kansas City, Mo.
Shedd-Brown Mfg. Co., 317½ 5th av S, Minneapolis, Minn.
Simmons N. (Leather), 13 University pl, New York
Sommer J. L. Mfg. Co. (Wire & Steel) Newark, N. J.
Southern Nov. Mfg. Co., Memphis, Tenn.
Souvenir Lead Pencil Co., Cedar Rapids, Ia.
Spec. Sales Co., 929 18th av, Seattle, Wash.
Stanford-Crowell Co., Ithaca, N. Y.
Stanwood Mfg. Co. (Paper), 3 Tremont Row, Boston, Mass.
Stecher & Spelrein Co. (Leather), 65 W Houston, N. Y.
Steel Products Corp. of Cal. ("Nest Egg" Banks), 289 1st, San Francisco, Cal.
Stein Bros. & Co. (Leather), 422 S. Clinton, Chicago, Ill.
Steinau Co., Louisville, Ky.
Stephens A. W. Mfg. Co., Waltham, Mass.
Stiles H. A. & Co. (Wooden), 166-174 Portland, Boston, Mass.
See adv index at end of book
Stone Printing & Mfg. Co., Roanoke, Va.
Swayze Advtg. Co., Canton, Pa.
T. & H. Supply Co., Oneida, N. Y.
Tablet & Ticket Co. (Paper), 1021 W Adams, Chicago, Ill.
Teich Curt & Co. (Post Cards, Envelopes & Blotters), 1745 Irving Park blvd., Chicago, Ill.
Terre Haute Advtg. Co., Terre Haute, Ind.
Textile Products Mfg. Co., 1332 Dolman, St. Louis, Mo.
Tonawanda Advertising Co. (Hardwood Rules, Thermometers, etc), Tonawanda, N. Y.
Transo Co., Rockford, Ohio
Troy Sunshade Co., Troy, Ohio
United Sales Mfg. Co., Elmira, N. Y.
Universe Mfg. Co. (Leather), 2218 Vine, Phila., Pa.
Up-to-Date Advertising Co. (Rulers), Canisteo, N. Y.
Vaughan Novelty Mfg. Co., 3209 Carroll av., Chicago, Ill.
Voss Herman Co., 603 E. Water, Milwaukee, Wis.
Wallaster J. G., 620 Poydras, New Orleans, La.
Walsh Vincent S., 595 Mission, San Francisco, Cal.
Warren Leather Goods Co., Worcester, Mass.
Waterbury Button Corporation (Buttons, Checks, Coins, Figures, Numbers, Metal & Composition), 331 S Main, Waterbury, Conn.
See adv index at end of book
Waterloo Engr. & Service Co., Waterloo, Ia.
Wegenaar L. A., 8 E. 41st, New York
Weigel, Geo. L., 1136 Pratt blvd., Chicago, Ill.
Weinman Bros., 12 E. 9th, Chicago, Ill.
Weissbrod Emil & Sons (Leather), Greenfield, Mass.
Westcott Rule Co. (Rulers, Yard Sticks, etc), Seneca Falls, N. Y.
See adv index at end of book
Western Art Leather Co. (Decorated Leather), Tabor Opera bldg, Denver, Colo.
Whitehead & Hoag Co. (Celluloid, etc), 272 Sussex av, Newark, N. J.
Williams O. G. Co. (Aluminum, Leather & Wood), 37 N. Dearborn, Chicago, Ill.
Williams Wm. H. Co., Greenville, Ohio
Williamson C. T. Wire Nov. Co. (Wire & Steel), 52-74 Badger av, Newark, N. J.
Winkler Mfg. Co., 29 Hydraulic av, South Bend, Ind.
Winters Sign & Novelty Co., Springfield, O.
Wolf & Co., Franklin Bank bldg, Phila. Pa.
Woodward & Tiernan Printing Co. (Fans, Calendars, Catalogues, Booklets, Folders, Window Trims, Show Cards, Hangers, Stationery, etc.), 309 N. 3rd, St. Louis, Mo.
Ziller Advtg. Co., Meridian, Miss.

80— Adze Mfrs.

Am. Axe & Tool Co. ("Blood's," "Lippincott's," "Red Warrior," "Anosky," "Champion," "Hurd," "Underhill," "Monarch," "Hunt," "Coopers," Ship Railroad, etc), Glassport, Pa.
Atha Tool Co., Newark, N. J.
Collins Co., Collinsville, Conn.
Evansville Tool Works (Carpenters', Railroad, Ship Carpenters', etc.), 701 Maryland, Evansville, Ind.
Fulton Tool Works (Coal Miners' Track, "Fulco" "Fulton"), Huntington, W. Va.
Hammond Charles & Son, Ogontz, Pa.
Hardscog Mfg. Co. (Track), Ottumwa, Ia.
Leetonia Tool Co. (Tracksmen), Leetonia, O.
Hubbard & Co. (Half Head, Pick Eye, Railroad), 63rd & Butler, Pittsburgh, Pa.
Leetonia Tool Co. (Mine Tracksmen), Leetonia, Ohio
Mack & Co. ("D. R. Barton," Railroad, Carpenters', etc), Rochester, N. Y.
Norton Tool Co., West Park, Ohio
Peck, Stow & Wilcox Co., Southington, Conn.
Plumb Fayette R. (Inc) ("Anchor"), 4837 James, Phila., Pa.
Romer Axe & Tool Co. ("Romer," Carpenters, Railroad, Ship, Etc.), Dunkirk, N. Y.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Warren Tool & Forge Co. ("Hack Devil" Railroad), 145 Griswold, Warren, Ohio
See adv index at end of book
Warwood Mfg. Co., 19th & Warwood, Wheeling, W. Va.
Weston Thomas B., 708 Light, Baltimore, Md.
White L. & I. J. Co. (Carpenters', Bridge, Railroad, Mill, Ship, etc), 120 Columbia, Buffalo, N. Y.

81— Aeco Deo

Anderson Chemical Co., Wallington, N. J.

82— Aeroplane Fuselages

Central Metal Products Corp., Canton, Ohio
Empire Art Metal Co., Inc., College Point, L. I., N. Y.
National Bronze & Aluminum Foundry Co., E. 88th & Laisy, Cleveland, Ohio

82a— Aeroplane Parts & Supplies

Acklin Stamping Co., 1659 Dorr, Toledo, O.
Alcock John L. & Co. (Specialties), Munsey bldg, Baltimore, Md.
Aluminum Company of America (Aluminum, Ingot Sheet Tubing, Wire Rod, Rivets, Molding, Extended Shapes, Electric Conductors), 2301 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book
American Air Commerce Corp. ("Blondin"), 2018 Sacramento, Los Angeles, Cal.
Am. Body Co., 11200 Niagara, Buffalo, N. Y.
Am. Tube & Stamping Co., Dept. H, Bridgeport, Conn.
Astoria Veneer Mill & Duck Co., Ft. Blackwell **Long Island City, N. Y.**
Barcalo Mfg. Co. (Shackles, Eyelets, Hose Clamps, Thimbles, Wing Socket Plates, Shut Ends, Hinges, Washer Plates & Misc. Forgings), 225 Louisiana, Buffalo, N. Y.
Bell David Co., Inc. (The), (Parts), 1555 Fillmore av., Buffalo, N. Y.
See adv index at end of book
Bettcher Stamping Mfg. Co. (Stampings), 6120 Clark av, Cleveland, O.
See adv index at end of book
Betz-Pierce (Cold Drawn 3¼% Nickel Steel; also Large Rounds), 2230-40 E. 9th, Cleveland, O.
Bingham Stamping & Tool Co. (Stamping), Post & Albion, Toledo, Ohio
See adv index at end of book
Buffalo Pressed Steel Co., 800 Kinsington av, Buffalo, N. Y.
Central Metal Products Corp., Canton, O.
Century Telephone Construction Co., 1738 Elmwood, Buffalo, N. Y.
Champion Machine & Forging Co. (Forgings), 3690 E. 78th, Cleveland, O.
See adv index at end of book
Chemical Products Co. (Chemical Varnishes Non-Inflammable Sheets & Films), 44K S. Boston, Mass.
Cincinnati Screw Co. (Bolts, Nuts, Clevis Pins & Special Parts), Loveland & Maderia, Cincinnati, O.
Cuyahoga Spring Co. (Motor or Engine Springs, Sand Bag Hooks & Valve Springs for Balloons), 10253 Berea rd, Cleveland, O.
See adv index at end of book
Dural Rubber Corp. (Rubber Parts), Flemington, N. J.
Fahrig Metal Co. (Bearing Metal), 26 Renwick, New York
Ferdinand L. W. & Co. (Liquid Glue), 80 Columbia, Boston, Mass.
Fisher Body Corp., Oakland & Piquette, Detroit, Mich.
Foxboro Co., Inc. (Indicating & Recording Gauges & Thermometers, Airspeed, etc), Foxboro, Mass.
See adv index at end of book
Goodyear Tire & Rubber Co. ("Goodyear" Balloons, Dirigibles, Gas Containers, Tires, etc.), 1144 E. Market, Akron, O.

(Continued on following page)

Aeroplane Parts & Supplies—Cont.

Graton & Knight Mfg. Co. (Leather Packing Washers & Strapping), 244 Franklin, Worcester, Mass.
See adv index at end of book
Haustelter A. (Dashboard Altimeters, Recording Barographs, Pocket & Watch Aneroid Barometers), 308 Madison av, New York
Ideal Aeroplane & Supply Co., 165 Spring, New York
Jacuzzi Bros. Inc. (Propellers & Special Parts), 1450 San Pablo A, Berkeley, Cal.
King Julius Optical Co., 10 Maiden Lane, New York
Konigslow Otto Mfg. Co. (Stampings), 3506H Perkins av, Cleveland, O.
Levett Walker M. Co. ("Magnalite" Pistons), 417 E 23rd, New York
Lippincott A. H. & F. H., Erie & Richmond, Phila., Pa.
McBratney Robert & Co. (Airplane Linen), 121 Franklin, New York
Meisel Press Mfg. Co. (Aeroplane Gears), 942 Dorchester av, Boston, Mass.
Midvale Steel & Ordnance Co. (Forgings), Widener bldg, Phila., Pa.
Morgan Mfg. Co. Inc., Keene, N. H.
Mosler A. R. & Co. (Plugs), Mt. Vernon, N. Y.
Motor Compressor Co. (Compressed Air Starters), Newark, N. J.
National Gauge & Equipment Co. (Instruments), La Crosse, Wis.
New Departure Mfg. Co. ("New Departure"), Bristol, Conn.
See adv index at end of book
New Jersey Veneer Co. (Veneered Panels), Paterson, N. J.
O'Hare-Waltham Dial Co., Waltham, Mass.
Palmer-Simpson Corp. (Hulls & Pontoons), Saranac Lake, N. Y.
Park Drop Forge Co. (Counterbalanced Crank Shafts), 760 E 79th, Cleveland, Ohio
Penn Flexible Metallic Tubing Co. (Metal Hose), 201 No. Broad, Phila., Pa.
Penn H'dwe & Paint Co. (Clevises & Shackles, Milled Bolts 3½% Nickel, Buckles & H'dwe), Woolworth bldg, New York
Powell Wm. Co. (Emergency Tank Coolers), 2525 Spring Grove av., Cincinnati, O. *See adv index at end of book*
Radium Dial Co. (Luminous Compounds), Forbes & Meyranaves, Pittsburgh, Pa.
Roebling John A. Sons Co. (Wire, Strand, Cord, Thimbles, Ferrules, etc.), Trenton, N. J. *See adv index at end of book*
Russell Mfg. Co. (Rubber Aero Cord for Shock Absorbers), 349 B'way, New York
Ryder Brass Fdy Co. (Aluminum Castings), Bucyrus, O.
Sheip & Vandegrift, Inc. (Lumber), 81 Lawrence, Phila., Pa.
Sperry Gyroscope Co. (Instruments & Supps.), 40 Flatbush av Extension, Brooklyn, N. Y.
Standard Turnbuckle Co., Corry, Pa.
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*
Stimpson Edwin B. Co. (Sheet Metal, Brass & Copper Bars, Tubes, Rods, Brass Wire), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Strauss & Buegeleisen (Aviators' Goggles), 438.
Taylor Instrument Co., Rochester, N. Y.
Tioga Steel & Iron Co. (Cylinder Forgings, Propeller Hubs, Flanges, Shafts, etc.), 52d & Grays av, Phila., Pa.
Ulmer Leather Co. (Waterproof Cement & Dope), Norwich, Conn.
Welch Mfg. Co., Grand Rapids, Mich.
Western Aircraft Corp., 1212 E. 6th, Los Angeles, Cal.
Williams J. H. & Co. (Crankshafts, Connecting Rods, Turnbuckles, etc., Forgings, Wrenches, Wrench Sets), 400 Vulcan, Buffalo, N. Y.
Wittemann Lewis Aircraft Co., Inc., Malcolm av., Hasbrouch Hts., N. J.
Wyman-Gordon Co. (Crankshafts), 105 Madison, Worcester, Mass.
Zeigler Mfg. Co. (Stamping & Screw Machine Products), Alexandria, Ind.

83—Aeroplanes, Seaplanes, Etc.

Aeromarine Plane & Motor Co., Times bldg., New York
American Air Commerce Corp. ("Blondin"), 2018 Sacramento, Los Angeles, Cal.
American Tube & Stamping Co., Dept. H, Bridgeport, Conn.
Boeing Airplane Co., Seattle, Wash.
Connecticut Aircraft Co., 671 Chapel, New Haven, Conn.
Curtiss Aeroplane & Motor Corp., Garden City, N. Y.
Dayton Wright Airplane Co. The, Dayton, O.
Glenn-Martin Co., Cleveland, Ohio
Heinrich A. S. Corp., Freeport, Long Island, N. Y.
Huff, Daland & Co., Inc., Dept. H, Ogdensburg, N. J.
Ideal Aeroplane & Supply Co. ("Ideal" "Blue Bird," Racing "Ideal-O-Plane"), 165 Spring, New York
L.-W.-F. Engineering Co., College Point, L. I., N. Y.
Lawson Aircraft Co., Green Bay, Wis.
Martin-Glenn L. Co., 16300 St. Clair, Cleveland, O.
National Aeroplane Co., 555 Wash. bl., Chicago, Ill.
Ortman Motor Co., Washington Court House, Ohio
Rogers Construction Co., Gloucester City, N. J.
Thomas-Morse Aircraft Co., Ithaca, N. Y.
Western Aircraft Corp., 1212 E. 6th, Los Angeles, Cal.
Witteman-Lewis Aircraft Co., Malcolm av., Hasbrouch Hts., N. J.
Wright Aeronautical Corp., Dept. H, Paterson, N. J.

84— Aftercoolers

Chicago Pneumatic Tool Co., 6 East 44th, New York. *See adv index at end of book*
Ingersoll-Rand Co. (Air), 11 Broadway, New York
See adv index at end of book
Worthington Pump & Machinery Corp., 115 B'way, New York

85— Agalite

International Pulp Co., 41 Park Row, New York

WILLIAMS C. K. & Co., Easton, Pa.
See adv index at end of book

86— Agar Agar

American Trading Co. (Imp), 25 Broad, New York
Frazar & Co. (Imp.), 30 Church New York
McKesson & Robbins (Imp), 91 Fulton, New York

86a— Agitators (Chemical)

American Abrasive Metals Co. ("Plumbalun"), 50 Church, New York
Atlantic Tank & Barrel Corp., Hoboken, N. J.
Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Caldwell W. E. Co., Louisville, Ky.
Chapman Engineering Co. (Floating), Dept. H, Mt. Vernon, Ohio.
Chicago Bridge & Iron Works, 2105 Old Colony bldg., Chicago, Ill.
See adv index at end of book
Dorr Co., Denver, Col.
Eimer & Amend, 205 E. 18th, New York
Elyria Enamelled Products Co., Elyria, O.
Franklin Machine Co., Providence, R. I.
See adv index at end of book
Hamler Boiler & Tank Co., Dept. H, W. 66th & S. 60th av., Chicago, Ill.
Hauser Stander Tank Co., Ammen & B. & O. Ry., Cincinnati, O.
See adv index at end of book
Horton Steel Works, Ltd., 118 Janet st., Bridgeburg, Ont., Can.
New England Tank & Tower Co., 42 Main, Everett, Mass.
New York Central Iron Works Co., Inc., Dept. H, Hagerstown, Md.
Sowers Mfg. Co., 1320 Niagara, Buffalo, N. Y.
TOWNSEND FDRY. & MACHINE SHOP CO., B'way & Rensselaer, Albany, N. Y.
See adv index at end of book
Pfandler Co., Cutler bldg., Rochester, N. Y.
Pratt Engineering & Machine Co., Atlanta, Ga.
Turl Engineering Works, Inc., 39 Cortlandt, New York
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.

87— Agitators (Clay)

Crossley Machine Co., State & Chestnut av., Trenton, N. J.
Ivens Wm. H. Sons Co., P. O. Box 647, Trenton, N. J.
Townsend Fdry. & Machine Shop Co., B'way & Rensselaer, Albany, N. Y.
See adv index at end of book
Union Tank & Pipe Co., 2801 Santa Fe av, Los Angeles, Cal.

87a— Agitators (Drug)

Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Franklin Machine Co., Providence, R. I.
See adv index at end of book
New England Tank & Tower Co., 42 Main, Everett, Mass.

87b— Agitators (Liquid)

Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Biggs Boiler Works Co., Case av. & Williams, Akron, O.
See adv index at end of book
Franklin Machine Co., Providence, R. I.
See adv index at end of book
New England Tank & Tower Co., 42 Main, Everett, Mass.
Townsend Fdry. & Machine Shop Co., B'way & Rensselaer, Albany, N. Y.
See adv index at end of book

88— Agitators (Mining)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Abrasive Metals Co. ("Feralun," "Plumbalun"), 50 Church, New York.
Biggs Boiler Works Co., Case av. & Williams, Akron, O.
See adv index at end of book
Chicago Bridge & Iron Works, 2105 Old Colony bldg., Chicago, Ill.
See adv index at end of book
Colorado Iron Works Co. ("Akins-Rothwell"), Denver, Colo.
Hammond Iron Works (Air, Cyanide, etc), Warren, Pa. *See adv index at end of book*
Heggie James G. & Sons, Joliet, Ill.
Horton Steel Works, Ltd., 118 Janet st., Bridgeburg, Ont., Can.
Johnson & Thompson, Birmingham, Ala.
Pacific Tank & Pipe Co., 318 Market, San Francisco, Cal.
Phoenix Iron Works Co., Meadville, Pa.
Redwood Mfrs. Co. ("Remco"), Hobart bldg., San Francisco, Cal.
Smith Samuel & Son Co., Paterson, N. J.
Straub Mfg. Co., 5th & Chestnut, Oakland, Cal.
Union Tank & Pipe Co., 2801 Santa Fe av, Los Angeles, Cal.
Vandercook A. E. Engineering Co., 621 California, Sacramento, Cal.
Worthington Pump & Machinery Corp., 115 B'way, New York

89— Agitators (Miscellaneous)

Allis-Chalmers Mfg. Co. (Ore, Slime Mechanical), Milwaukee, Wis.
See adv index at end of book
Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Berry Machy. & Supply Co. (Brine Circulator), 289 W. Santa Clara av, San Jose, Cal.
Biggs Boiler Works Co., Case av. & Williams, Akron, O.
See adv index at end of book
Bucyrus Copper Kettle Works Co. (The), Bucyrus, Ohio
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Calvert Machine Co. (Lard Compound), 1606 Thames, Baltimore, Md.
Chapman Engineering Co. (Floating), Dept. H, Mt. Vernon, O.
Conveyor Co., 140 W. Elmyra, Los Angeles, Cal.
Day J. H. Co. (Liquid), Cincinnati, O.
Dobbins Core Drill Co., Inc., 81-85 6th st., Long Island City, N. Y.
See adv index at end of book
Franklin Machine Co., Providence, R. I.
See adv index at end of book
Hauser Stander Tank Co., Ammen & B. & O. Ry., Cincinnati, Ohio
See adv index at end of book
Heitzel Steel Form & Iron Co. (The), Warren, O. *See adv index at end of book*
Johnson John Co., 37th & 2nd av., Brooklyn, N. Y.
Johnson & Thompson, Birmingham, Ala.
Lancaster Iron Works, Lancaster, Pa.
New England Tank & Tower Co. (Chemical Drug Liquid), 42 Main, Everett, Mass.
Phoenix Iron Wks., Meadville, Pa.
Pollock Wm. B. Co. (Brewers), Youngstown, O.
Premier Machinery Co. (Canners), 310 Sansome, San Francisco, Cal.
See adv index at end of book
Richards Iron Works (Cheese), Manitowoc, Wis.
Schutte & Koerting Co. (Steam Jet), 1251 N 12th, Phila., Pa.
See adv index at end of book
Sowers Mfg. Co. (Soap Makers), 1320 Niagara, Buffalo, N. Y.
STANDARD BOILER & PLATE IRON CO., Niles, Ohio
See adv. Index at end of book
Townsend Fdry. & Machine Shop Co., B'way & Rensselaer, Albany, N. Y.
See adv index at end of book
Triumph Ice Machine Co. (Horizontal & Vertical Brine), H Oakley, Cincinnati, Ohio.
Union Tank & Pipe Co., 2801 Santa Fe av, Los Angeles, Cal.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.

90— Agitators (Oil, Etc.)

Biggs Boiler Works Co., Case av. & Williams, Akron, O.
See adv index at end of book
Chicago Bridge & Iron Works, 2105 Old Colony bldg., Chicago, Ill.
See adv. Index at end of book
DOVER BOILER WORKS. Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Franklin Machine Co., Providence, R. I.
See adv index at end of book
Frelinger J. G. Iron Works (Barrel, for Paint, Varnish & Oil), 115 W 2nd, Cincinnati, O.
Graver Corp., 4020 Todd av., E. Chicago, Ind. *See adv index at end of book*
Hammond Iron Works, Warren, Pa.
See adv index at end of book
Horton Steel Works, Ltd., 118 Janet st., Bridgeburg, Ont., Can.

Johnson John Co., 37th & 2nd av., Brooklyn, N. Y.
Johnson & Thompson, Birmingham, Ala.
New York Central Iron Works Co., Inc. (Steel Refining), Dept. H, Hagerstown, Md.
Ohio Machine & Boiler Co., 1510 H University rd., Cleveland, O.
PETROLEUM IRON WORKS CO. OF OHIO, Sharon, Pa.
See adv index at end of book
Phoenix Iron Works Co., Meadville, Pa.
Sharpsville Boiler Works, Sharpsville, Pa.
Sowers Mfg. Co., 1320 Niagara, Buffalo, N. Y.
Standard Boiler & Plate Iron Co., Niles, Ohio *See adv. Index at end of book*
Struthers-Wells Co., Warren, Pa.
Teachout H. E. Boiler works, E 37th & Erie R R, Cleveland, O.
Treadwell M. H. Co. of Illinois, 208 S La Salle, Chicago, Ill.
Union Tank & Pipe Co., 2801 Santa Fe av, Los Angeles, Cal.
United Iron Works, Kansas City, Mo.
Warren City Tank & Boiler Co. (The), Warren, Ohio
See adv index at end of book
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.

91— Agitators (Paper Mill)

Biggs Boiler Works Co., Case av. & Williams, Akron, O.
See adv index at end of book
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Caldwell W. E. Co., Louisville, Ky.
Columbiana Boiler Co., Columbiana, O.
EAGLE TANK CO., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Franklin Machine Co., Providence, R. I.
See adv index at end of book
Kalamazoo Sheet Metal Mfg. Co., Kalamazoo, Mich.
New England Tank & Tower Co., 42 Main, Everett, Mass.
Rice, Barton & Fales Inc. (Taintor), Worcester, Mass.
Shartle Bros. Machine Co., Middletown, O.
Townsend Fdry. & Machine Shop Co., B'way & Rensselaer, Albany, N. Y.
See adv index at end of book
Union Tank & Pipe Co., 2801 Santa Fe av, Los Angeles, Cal.

92—Agricultural Implement Mfrs.

For sub-classifications of this trade, consult Index of Contents for specific article required.

ALABAMA.

BIRMINGHAM—Continental Gin Co. (Cotton Seed Linters)
MOBILE—Cunningham Hdwe. Co. (Dlrs.), 6 S. Commerce.
TUSCUMBIA—Rowland T. T. & Son (Cultivators)

ARKANSAS.

HOPE—Eclipse Mfg. Co.

CALIFORNIA.

BERKELEY — Solano Iron Works ("Benicia").
FRESNO — Fresno Agricultural Works (Plows, Road Scrapers, etc)
Woodward Co., Kearn & G.
HUNTINGTON PARK—Killefer Mfg. Co. ("Killefer" Sub-Soiler, Disc Harrows, Orchard & Vineyard Cultivators), Box 270
SAN FRANCISCO—Hackley P. B. Equipment Co. ("Rubottom" Plows & Combination Scrapers), 625 Market
Holt Mfg. Co., Balboa bldg
SAN JOSE—Adrian Mfg. Co. (Rotary Scrapers).
Bean Spray Pump Co. (Orchard Sprays), W. Julian
Cal Plow Co., 140 Polhemus
Knapp Plow Co., Inc. ("Knapp" Plows, Cultivators, Subsoilers).
Rimple-Morgan Plow Co.
Sigurd C. G. (Weed Cutters), McKee rd & Capitol
STOCKTON—Brooks John E. (Engine Gang & Special Plows), Aurora & Taylor
Harris Mfg. Co. (Combined Harvesters), Dept. H, Park & East
Holt Mfg. Co. ("Caterpillar" Tractors, Harvesters, Plows, Land Levelers), S. Aurora.
Jory C. & Sons (Fresno Scrapers & Land Levelers), Taylor & Aurora.
Shaw H. C. Co. (Gang Plows, "Throop" Land Levelers), 46 N California.

COLORADO.

DENVER—Plattner Mfg. Co.
GREELEY—Brown Peter (Potato Diggers)

CONNECTICUT.

COLLINSVILLE—Collins Co. (Plows, etc)
HIGGANUM — Cutaway Harrow Co. ("Clark's" Harrows, Plows, Root Cutters, etc)
Scovil D. & H. (Planters' Hoes)
NEW BRITAIN—Rackcliffe Bros. Co. Inc.
NEW LONDON—Brown Cotton Gin Co. (Cotton Seed Linters)
PLEASANT VALLEY—Rogers Rake Co. (Hand Hay Rakes)
SOUTHPORT—Jelliff C. O. Mfg. Corp. Harrows), P. O. Box 68.
WATERTOWN—Hitchcock Hardware Co.
WATERBURY—Templeton, Chas. A. Inc., Dept. H

FLORIDA.

OLDSMAR—Oldsmar Tractor Co.

GEORGIA.

ATHENS—Umbach F. G. (Harrows, etc)
ATLANTA—Atlanta Plow Co.
AUGUSTA — Wirtz & Hernlen (Hay Presses, Harrows, etc)
COLUMBUS — Huston Tom Mfg. Co., Dept. H
Southern Implement Mfg. Co., Dept. H.
Southern Plow Co. (Plows, Cultivators, Harrows, Cotton Planters, etc.)
MACON—Gantt Mfg. Co. (Cotton Planters, Guano Distributors & Grain Drills, etc)
Williams Mfg. Co. (Hay Presses)
MORELAND—Camp E. N. & Sons Co.
NEWNAN—Cole R. D. Mfg. Co. (Corn Mills)
ROME—Towers & Sullivan Mfg. Co. (Plows, Harrows, Cultivators)
SAVANNAH—Weed J. D. & Co. (Wholesale).
WINDER—Woodruff Machinery Mfg. Co. (Pea Thresher, etc)

ILLINOIS.

ALBION—Miller A. J. Four Point Hay Fork Co.
Painter & Frankland (Plows)
ALTON—Hapgood Plow Co. (Corn Planting Drills, Plows, Listers, etc)
ARLINGTON HEIGHTS—Kolling Husker Wks (Corn Huskers & Shredders)
AVA—Spinner Ed. F. (Plows, etc.)
BATAVIA—Appleton Mfg. Co, (Feed Mills, Stalk Cutters, Corn Shellers, Feed Cutters, etc)
Challenge Co. (Feed Mills, Corn Shellers, etc)
Sperry D. R. & Co. (Farm Boilers, Feed Cookers, etc.)
U. S. Wind Engine & Pump Co. (Corn Shellers)
BELLEVILLE—Belleville Shock Mover Co.
Gundlach P. M. Sons
Harrison Machine Works (Threshers & Straw Stackers)
BLOOMINGTON—Constant B. S. Mfg. Co. (Grain Machinery)
Meadows Mfg. Co.
BUSHNELL—Norcross C. S. & Sons (Garden Cultivators Adjustable Hand)
CHICAGO—Aermotor Co. (Feed Mills), 2500 W. Roosevelt rd
Blancke A. C. & Co., 602 W. Lake
Bristol & Gale Co. (Harrows, Corn Shellers, etc), 158 Carroll av
International Harvester Co., Harvester bldg.
Kaestner & Hecht Co. (Mills Feed Grinding), 560 Throop
Masters Planter Co. ("Master" Hand Transplanters & Plant Setters, Cabbage, Tomatoes, Sweet Potatoes & Strawberries), 800 N. Clark, Chicago, Ill.
Pratt Wm. E. Mfg. Co. (Dehorners, Seed Sowers,, etc), 35 W Lake
Whitaker Mfg. Co. (Cultivators, Hay Carriers, etc), 409 S. Green
DECATUR—Baird Harvester Co.
Hartley C. J. Co. (Grain Weighers, etc) (See Peoria)
Stevens Mfg. & Foundry Co. (Potato Diggers & Planters, etc)
Union Iron Works (Power Corn Shellers)
DIXON—Grand Detour Plow Co. (Plows, Harrows,, Cultivators, Listers, Disc Plows & Engine Gang Plows)
DWIGHT—Spencer J. A. (Hay Presses)
EAST MOLINE—Deere John Harvester Works
Marseilles Works of Deere & Co. (Grain Elevators, Corn Shellers, etc.)
EDWARDSVILLE—Springer Bros. Mfg. Co. (Potato Planters)
ELGIN—Elgin Wind Power & Pump Co. (Feed Mills)
FREEPORT—Stover Mfg. & Engine Co. (Feed Mills)
GALESBURG—Galesburg Coulter Disc Co.
GALVA—Hayes Pump & Planter Co. Harrows, Cultivators, Planters & Drills).
Galva Heater Co. (Corn Planters)
Wistrand Mfg. Co. ("Blue Star" Corn Planters)
GRAFTON—Rippley Mfg. & Steel Boat Co. (Feed Mills & Cookers)
HARVARD—Hunt, Helm, Ferris & Co. (Hay Carriers, etc)
HAVANA—Crescent Forge & Shovel Co. (Garden Plows)
HOMEWOOD—Steiner August (Corn Pickers & Huskers)
JOLIET—Humphrey & Sons (Bone & Clover Cutters, Hand Seed Sowers)
Joliet Mfg. Co. (Corn Shellers)
KEWANEE—Boss Mfg. Co. (Hand Corn Huskers)
Peters Pump Co. (Planters & Pumps)
LE ROY—National Harrow Co.
LINCOLN—Sheer E. (Land Rollers, Stalk Rakes, etc)
MAROA—Maroa Mfg. Co. (Cultivators & Car Loaders)
MARSEILLES—Marseilles Harrow Mfg. Co. (Harrows)
MENDOTA—Mendota Mfg. & Transfer Co. (Rakes)
Tower J. D. & Sons Co. (Cultivators, Pulverizers, Clod Crushers, etc)
Wills Mfg. Co. (Tank Heaters, etc)
MINIER—Schroeder H. V. Mfg. Co. (Grain Dumps, etc)
MOLINE—Deere John Plow Works (Walking, Riding, Tractor & Disc Plows; Walking, Riding, Two Row, Lister & Disc Cultivators)
Deere & Co. (Plows, Harrows, Cultivators, Listers, Grain Binders, Corn Binders, Mowers & Rakes) (General Office)
Deere Works (Corn Planters, Cotton Planters, Disc Harrows, Cultivators)
Moline Plow Co. (Drills, Plows, Harrows, Cultivators, Planters, Listers)
Sechler D. M. Implement & Carriage Co. (Harrows, Corn Planters, etc)
MONMOUTH—Milne Mfg. Co. (Stump Pullers)
Monmouth Plow Factory (Plows)
Pattee Plow Co. (Cultivators, Plows, etc)
MORTON—Kramer Rotary Harrow Co.
Meyer A. F. Mfg. Co. (Grain Dumps)
Meyer Corp. (Hog Feed Grinders, & Hog Greasers, etc)
MT. OLIVE—Niemann & Hieronymus (Rotary Hoes)
OTTAWA—King & Hamilton Co. (Cultivators, Corn Shellers, etc.)
Porter J. E. Co. (Hay Carriers)
PEKIN—Duisdieker Foundry & Mfg. Co. (Clod Crushers & Pulverizers)
PEORIA—Acme Harvesting Machine Co. (Harvesters, Binders, etc)
Avery Co. (Threshers, Gas & Oil Tractors, Engine Gang Plows, Motor Trucks, Motor Planters & Cultivators).
Hart Grain Weigher Co. (Grain Weighers)
Hartley C. J. Co. (Grain Weighers, etc)
Herschel R. Mfg. Co. (Sickles, etc)
Holt Mfg. Co.
Peoria Drill & Seeder Co. (Grain Drills, Seeders, etc)
PERU—Peru Plow & Wheel Co. (Plows,, Harrows, Cultivators, Planters, Listers)
PLANO—Independent Harvester Co. (Binders, Mowers, Plows, Harrows, etc)
PONTIAC—Spartan Mfg. Co. (Feed Grinders)
QUINCY—Collins Plow Co. (Plows, Harrows, Cultivators, Hay Presses, etc)
Electric Wheel Co., Station D
See adv index at end of book
Empire Mfg. Co. (Feed Cookers, Metal Wheels, etc)
Ertel Geo. Co. (Hay Presses, etc)
ROCK FALLS—Ulrich Mfg. Co. (Cultivators, etc)
ROCKFORD—Emerson-Brantingham Co. Mowers, Plows, Cultivators, Rakes, Planters, Listers, Threshers, Drills, Traction Engines, Gas Tractors, Grain & Corn Binders, Hay Tools, etc.)
Rockford Mfg. Co. (Plows, Harrows, Cultivators)
ROCK ISLAND—Rock Island Plow Co. (Plows, Harrows, Cultivators, Hay Loaders, Hay Rakes, Planters, Listers, Drills, Seeders & Sowers)
SANDWICH—Sandwich Mfg. Co. (Feed Mills, Hay Loaders, Corn Shellers, Hay Presses)
SHELBYVILLE—Ann Arbor Machine Co. (Feed Cutters, Hay Presses, etc.)
Sturgis W. B. & Sons (Plows)
SPARTA—Sparta Plow Works (Plows, Harrows, Cultivators)
Sproul Matt. Co.
SPRINGFIELD—Fetzer & Co. (Corn & Grain Drills, Disc Rollers, Pulverizers, Packers, Harrows, Transplanters, etc)
Heineke & Co. (Straw Stackers & Self Feeders)
STERLING — Platt Addison J. (Potato Planters)
Sterling Mfg. Co. (Cultivators, etc.)
SYCAMORE — Illinois Thresher Co. (Threshing Machines)
WASHINGTON—Camp Bros. & Co. (Grain Dumps)
WHEATON—Davenport Planter Co.

INDIANA.

CROWN POINT—Letz Mfg. Co. (Corn Planters, Feed Grinders, etc)
EAST CHICAGO—Famous Mfg. Co. (Hay Presses, etc)
EVANSVILLE — Blount Plow Works (Plows, etc)
Davidson-Dietrich Plow Co. (Plows, etc.), 402 1st av.
Hartig W F. Plow Co. (Plows, Cultivators), 2200 1st av.
Vulcan Plow Co. (Plows, etc), 101 W. 1st.
GOSHEN—Abbott S. B. (Hand Seeders)
Goshen Mfg. Co. (Hay Slings)
HAMMOND—Champion Potato Machinery Co. (Potato Planters, Diggers, etc; also Peanut Planters, etc)

(Continued on following page)

Agricultural Implement Mfrs.—Cont.

INDIANA—Continued

INDIANAPOLIS—American Buncher Mfg. Co. (Bunchers for Clover, Timothy, Oats, Peas, etc), Oliver & Harding
Indiana Mfg. Co. (Straw Stackers), Merchants Bk. bldg
Nordyke & Marmon Co. (Feed, Corn & Cob Mills, Corn Shellers, etc), Kentucky av
Russell Wind Stacker Co. (Straw Stackers), 1001 Shelby
KENDALLVILLE—Flint & Walling Mfg. Co. (Wind Mills, etc)
LAPORTE — Advance Rumely Co. (Threshers, Stackers, Traction Engines, Clover Hullers & Grain Weighers)
LIBERTY—Rude Mfg. Co. (Cultivators, Grain & Corn Drills, Rakes, etc)
LIBERTY MILLS — Rittenhouse J. F. (Grain Seeders)
MISHAWAKA—Perkins Corp.
MOUNT VERNON—Keck-Gonnermann Co. (Threshers, etc)
RICHMOND—American Seeding Machine Co.
Eureka Fence Mfg. Co. (Hand Corn Planters)
Swayne, Robinson & Co. (Threshers)
Wayne Works (Inc.) (Grain Drills, Planters, Seeders & Sowers)
SOUTH BEND—Birdsell Mfg. Co. (Straw Stackers, Clover Hullers, etc)
Bowsher N. P. Co. (Feed Mills, Grain Crushers)
Oliver Chilled Plow Works (Plows, Harrows, Cultivators, Listers & Planters)
South Bend Chilled Plow Co. (Plows, Harrows, Cultivators)
URBANA—Cyclone Seeder Co. (Seed Sowers)
VERNON—Reed & Rogers Mfg. Co. (Harrows & Pulverizers, etc)
VINCENNES—Hartman Mfg. Co. (Cultivators, etc)

IOWA.

CARROLL—Gross Co. (Plow Eveners)
CENTERVILLE—Hercules Mfg. Co. (Feed Mills & Stump Pullers)
COUNCIL BLUFFS—Orndorff O. F. (Corn Planters, Hay Stackers, etc.)
CRESCO—Caward R. S. (Plows & Grubbing Machinery)
DAVENPORT—Voss Bros. Mfg. Co. (Corn Cutters)
DES MOINES—National Mfg. Co. (Seed Testers)
Wood Bros. Thresher Co. (Threshers, Traction Engines, etc)
FAIRFIELD—Louden Machinery Co. (Hay Forks & Carriers, etc)
MARSHALLTOWN—Light Draft-Harrow Co.
MONTROSE—American Fork & Hoe Co.
NASHUA — Bloom Mfg. Co. (Manure Spreaders, Harrows, etc)
NEWTON—Maytag Co. (Hog Troughs, Hay Presses, Self-Feeders, etc)
OTTUMWA—Armstrong Mfg. Co. (Corn Rakes)
Dain Mfg. Co. (Feed Mills, Hay Loaders, Haying Tools, Rakes, Hay Presses)
PELLA—Garden City Feeder Co. (Straw Stackers, Band Cutters & Self-Feeders)
PRAIRIE CITY—Dowden Mfg. Co. (Ltd) (Harrows, Potato Diggers, etc.)
WATERLOO — Bovee Furnace Works (Grinding Mills)
Galloway Wm. Co. (Harrows, Cream Separators, Manure Spreaders, etc)
Inter-State Engine & Tractor Co. (Farm Implement)
Litchfield Mfg. Co. (Manure Spreaders, Feed Grinders, etc)
Swift Mfg. Co. (Feed Mills & Cookers)
WAUKON—Johnson John S. & Son (Lever Harrows)

KANSAS.

ATCHISON—Ballor Plow Mfg. Co. (Cultivators, etc)
KANSAS CITY—Clippinger A. B. & Son Mfg. Co. (Hay Stackers)
Strait H. N. Mfg. Co. (Hay Presses, etc)
LEAVENWORTH—Great Western Mfg. Co. (Grain & Rice Cleaners)
MANHATTAN — Blue Valley Mfg. Co. (Corn Harvester and Feed Grinding Mills)
SALINA—Kouns Wesley (Hay & Grain Rakes, Loaders & Stackers combined, Push Rakes)
Wyatt F. Mfg. Co. (Hay Stackers)
Ziegler W. F. (Corn Harvesters, etc)
TOPEKA—Currie Windmill Co. (Feed Mills)
Topeka Foundry & Iron Works (Sub-Surface Soil Packers)
WICHITA—Reschke Machine Works Co. (Bean & Corn Cultivators, etc.)

KENTUCKY.

CARLISLE—King R. C. (Blue Grass Seed Strippers)
LOUISVILLE—Avery B. F. & Sons (Plows, Harrows, Cultivators, Rakes, Planters, etc)
Brinly Hardy Co. (Plows, Hand Corn Shellers, Cotton Scrapers & Sweeps, Harrows, etc)
Red Chief Mfg. Co. (Corn Shellers)
MAYSVILLE—Hall Jas. H. Plow Co. (Plows, Potato Diggers, etc)

MAINE.

NORTH BERWICK—Hussey Plow Co. (Cultivators, Plows, etc)

MARYLAND.

BALTIMORE—Rawlings Implement Co. (Harrows), 11 W. Pratt

MASSACHUSETTS.

BARRE—Allen Charles G. Co. (Rakes, Plows, etc)
CHICOPEE FALLS—Belcher & Taylor Agricultural Tool Co. (Plows, Harrows, Fanning Mills, Cultivators, Planters, Tedders, Feed Cutters, Potato Diggers, etc)
MILFORD—Mann F. W. Co. (Corn Shellers, Clover Cutters, etc)

MICHIGAN.

ALBION—Gale Mfg. Co. (Plows, Harrows, Cultivators, Rakes, Planters, Listers, Seeders & Sowers)
BAD AXE—Huron Implement Co. (Harrows & Cultivators)
BATTLE CREEK—Nichols & Shepard Co. (Threshers, Stackers, Grain Weighers, Feeders, Gas & Steam Tractors)
BLAINE—Fair Geo. & Son (Plows)
BURR OAK—Sheffield Mfg. Co. (Corn & Potato Planters)
DOWAGIAC—Dowagiac Drill Co. (Grain Drills, Seeders & Sowers)
GREENVILLE—Greenville Implement Co. (Cultivators, Plows, Feed Cutters)
Moore Plow & Implement Co. (Plows, Cult)
HOLLY—Patterson Mfg. Co. (Bean Harvesters, Cultivators, etc.)
HOMER—Seeder Mfg. Co. (Seeders & Sowers)
IONIA—Arnold's G. W. Son (Cultivators, etc)
JACKSON—Aspinwall Mfg. Co. (Potato Planters & Diggers, etc.)
Watts Mfg. Co. (Corn Shellers)
KALAMAZOO—Clark Engine & Boiler Co. (Feed Cookers, etc.)
Kalamazoo Tank & Silo Co.
Reed Fdry. & Mach. Co. (Cultivators, etc)
LANSING—Bean Spray Pump Co.
LAPEER—Bostick Stove Co. (Plows)
McDonald Wm. Sons (Cultivators, etc)
MONROE—Wilder-Strong Implement Co. (Harvesters, Plows, Feed Cutters)
MOUNT CLEMENS — Donaldson Bros. (Plows, Harrows, Cultivators, Planters, Feed Cutters)
NORTHVILLE—American Bell & Foundry Co. (Corn Shellers, Fruit & Potato Sorters, etc)
PONTIAC—Bacon Mfg. Co. (Seeder & Garden Cultivators)
PORT HURON—Port Huron Engine & Thresher Co. (Threshers, Stackers, Feeders, Corn Shellers, Weighers, etc)
PORTLAND—Portland Foundry Co.
RICHMOND—Parker Plow Co.
SAGINAW—Ferrell A. T. & Co. (Bean Cleaners & Sorters)
ST. JOHNS—Mason F. C. & Co. (Weeders)
STURGIS—Freeland B. F. Sons Co.
TECUMSEH—Heesen Bros. Co. (Feed Cookers)
TRAVERSE CITY—Potato Implement Co. (Acme Corn & Potato Planters)
YPSILANTI—Thompson O. E. & Sons (Root Cutters & Grass Seeders), Ypsilanti Hay Press Co.

MINNESOTA.

ALBERT LEA—Edwards C. D. (Stump Pullers)
Olson Mfg. Co. (Hay Tools)
CROOKSTON—Crookston Mfg. Co. (Land Roller & Soil Pulverizer)
LONG PRAIRIE—Hausmann Mfg. Co. (Binder Attachments)
MANKATO—Little Giant Co. (Ditchers, Graders & Tractors)
MINNEAPOLIS—Cleeland Mfg. Co. (Fanning Mills), 280 Washington av N
Colfax Mfg. Co., 1701 N. E. Madison
Disc Grader & Plow Co. (Plows, etc), 400 N E Pierce
Emerson Mfg. Co., 2601 32nd av S.
Howell R. R. & Co. (Feed Mills), 31st av
Keller Mfg. Co. (Cultivators, etc), 1325 N E Quincy
Kinnard & Sons Mfg. Co., 44th av N. & Bryant
Minneapolis Steel & Machy. Co. (Threshers, Stackers, Baggers, etc.), 2854 Minnehaha av
Minneapolis Threshing Machine Co. (Threshers, Stackers, Corn Shellers, Baggers, etc.), Hopkins
Owens J. L. Co. (Fanning Mills, Grain Cleaning Machinery), Fulton & S. E. Huron
Twin City Separator Co., 1701 N. E. Madison
MORRIS—Vaughn Mfg. Co. (Fanning Mills)
NORTH BRANCH—Splittstoser Co. (Potato Sprayers, Diggers & Planters).
OWATONNA—Owatonna Mfg. Co. (Grain Drills, Seeders & Sowers, Churns, etc)
ST. LOUIS PARK—Martin Mfg. Co. (Feed Grinding Mills).
Monitor Drill Co. (Grain Drills, Cultivators, etc)
ST. PAUL—Anderson Company (Harrows, Rakes, Stackers, etc.), 2324 University av
Hackney Mfg. Co. (Auto Plows)
New Liberty Washing Machine Co. (Fanning Mills, Grain Cleaners & Separators).
WINONA—Diamond Huller Co. (Cotton-seed Machinery, etc)
New Winona Mfg. Co. (Feed Mills, Corn Shellers, Hay Presses, etc)

MISSISSIPPI.

HATTIESBURG—Komp Machinery Co.
MERIDIAN—Hyde, Chas. J. (Dir. Hay Presses), Dept. H

MISSOURI.

CAIRO—Boney A. T. (Hay Stackers)
CHILLICOTHE—Jenkins Hay Rake & Stacker Co. (Feed Mills, Haying Tools, etc)
HUNTSVILLE—Fleming & Sons Mfg. Co. (Haying Tools, Rakes, Stackers, etc)
JONESBURG—Godfrey H. M. (Walking Plows)
KANSAS CITY—Admiral Hay Press Co. (Hay Presses)
Kansas City Hay Press Co. (Hay Presses, Haying Tools, etc), foot of 4th St Viaduct
Smith & Sons Mfg. Co. (Plows, Rakes, Hay Presses)
LINNEUS—Superior Hay Stacker Mfg. Co. (Hay Stackers)
LOUISIANA—Buffum Tool Co. (Hand Cultivators, Weeders, etc.)
MOBERLY—Missouri Hay Press Co.
NORTH KANSAS CITY—McCargar L. B. Mfg. Co.
OLNEY—Stroker Fritz C. & Son (Plows)
SEDALIA—Barley Thos. E. (Harrows, Haying Tools, etc)
UNIONVILLE—Stalcup E. L. (Hay Stackers)
WASHINGTON—Buhr Mfg. Co. (Plows)

NEBRASKA.

BEATRICE—Beatrice Iron Works (Cultivators, Grain Drills, Land Rollers, etc)
Dempster Mill Mfg. Co. (Cultivators, Grain Drills, etc)
DAVID CITY—Barker Mfg. Co. (Garden Weeders)
NEBRASKA CITY—King Drill Mfg. Co. (Grain Drills)
Plattner Yale Mfg. Co. (Hay Stackers, Rakes & Harrows, Lincoln, Neb.
SEWARD—Noxall Mfg. Co. (Grain Separators)

NEW HAMPSHIRE.

ANTRIM—Goodell Co. (Hand Seed Sowers, Weed Diggers)
HINSDALE—Granite State Mowing Machine Co. (Mowers)

NEW JERSEY.

GRENLOCH—Bateman Mfg. Co. (Plows, Harrows, Cultivators, Seeders, Planters, Sprayers, etc)
HIGHTSTOWN—Peppler Thos. Son & Co. (Plows, Corn Shellers, etc)
MILLINGTON—Nash Duane H. (Pulverizers, Harrows, Clod Crushers, Planters, etc)
NEWTON—Farrell John & Son (Hay Forks & Carriers)
RIVERTON—McWhorter Mfg. Co. (Seed Drills, Bean, Peanut & Potato Planters)

NEW YORK.

AUBURN—Quick & Thomas Co. (Threshers, etc)
AVON—Champion Drill Co. (Cultivators, Grain Drills, etc)
BATAVIA—Climax Corp. (Ensilage, Feed & Fodder Cutters & Bean Separators), Dept. H.
Massey Harris Harvester Co. (Binders, Cultivators, Harrows, Mowers, Reapers, Rakes, Tedders, Seeders & Sowers)
Wiard Plow Co. (Plows, Harrows, Rakes, Planters, etc)
BINGHAMTON—Davis A. L. & Son.
BRASHER FALLS—Kennehan P. H. (Plows, etc)
BUFFALO—Buffalo Pitts Co. (Threshing Machinery, Plowing & Portable Engines, etc), 27 Carolina
Peerless Husker Co. (Corn Huskers, etc), 523 Cornwall av
CALEDONIA—Caledonia Bean Harvester Works (Cultivators, Planters, etc)
CATO—Dutton E. Q. & Co. (Plows, Hog Troughs, etc)
CENTRAL BRIDGE—Campbell S. E. Co. (Threshers)
COBLESKILL—Harder Mfg. Co. (Threshers, Fanning Mills, Manure Spreaders, etc)
COPAKE FALLS—Columbia Plow Works (Plows, etc)
EAST AURORA — Peek's S. H. Sons (Plows, Potato Planters & Diggers, etc)
EAST GALWAY—Fonda F. A. (Plows, etc)
EAST ROCHESTER—Ontario Drill Co. (Grain Drills)
GOWANDA—Gowanda Agricultural Works (Plows, Cultivators, etc)
GREENE—Lyon Iron Works (Feed Cutters)

GREENWICH — Eddy W. Plow Co. (Threshers, Plows, etc)
HAMBURG—Reuther Mfg. Co. (Potato Diggers)
HAMMOND—Evans B. A. (Harrows & Plows)
HILLSDALE—Mallery W. A. Jr. (Plows, Harrows, etc)
HOOSICK FALLS—Wood Walter A. Mowing & Reaping Machine Co. (Harvesters, Binders, Harrows, Cultivators, Rakers, Mowers, Reapers, Tedders, Manure Spreaders, etc)
LEONARDSVILLE—Babcock Mfg. Co. (Harrows, Cultivators, etc)
LEROY—Leroy Plow Co. (Plows, etc)
LYONS—Nagley Mfg. Co. (Tobacco Transplanters, Presses, etc)
MERIDIAN—Everts Mfg. Co. (Plows)
MOUNT MORRIS—Genesee Valley Mfg. Co. (Harrows, Grain Drills, Corn Shellers, Fanning Mills)
MUNNSVILLE — Munnsville Plow Co. (Plows, Cultivators, etc)
NEW YORK CITY—Granger Co., A. D., 17 Park Row
See adv index at end of book
Woodhouse J. S. Co. (Cultivators, Harrows, Plows, etc), 256 West
PHELPS—Crown Mfg. Co. (Grain Drills, etc)
PORTLAND—Anderson Frank W. (Cultivators, etc)
POUGHKEEPSIE—Moline Plow Co. ("Adrience Platt Brand" Harrows, Mowers, Reapers, Binders, Rakes, etc)
RIVERHEAD—Riverhead Agrl. Works, (Harrows)
ROCHESTER—Ricker Mfg. Co. (Hay, Feed & Litter Carriers)
ROME—Adams S. & Son (Plows, etc)
ST. JOHNSVILLE—Clark Machine Co. (Threshers)
SCHENECTADY — Westinghouse Co. (Threshers, Stackers, Weighers)
SHORTSVILLE—Papec Machine Co. (Feed Cutters)
Star Seeder Co. (Wheelbarrow, Grass Seeders)
SPENCERPORT—Ireland & Helfrich, (Potato Diggers)
SYRACUSE—Engelberg Huller Co. (Rice Graders, Threshers, Separators, Hullers, etc)
Syracuse Chilled Plow Co. (Plows, Harrows, Cultivators, Potato Hillers & Diggers, etc)
UNION CENTER—Edson W. L.
UTICA—Eureka Mower Co. (Cultivators, Mowers, Planters etc.), 1005-H Hickory.
Smith D. B. & Co.
YOUNGSTOWN—Ripson Wm. & Son (Plows, Harrows, Cultivators)

NORTH CAROLINA.

CHARLOTTE—Cole Mfg. Co. (Planters & 3 Row Grain Drills)
GOLDSBORO—Wayne Agricultural Works Plows, etc)
GREENSBORO—Glascock Stove & Mfg. Co. (Feed Cutters)

OHIO.

ALLIANCE—Hist Potato Machinery Co.
ASHLAND—Myers F. E. & Bro., 950 Orange.
See adv index at end of book
AVERY—Hoover Mfg. Co. (Potato Diggers, & Sorters)
BELLEFONTAINE—Ironwood Mfg. Co. (Seed Cleaners)
BELLEVUE—Jeschke Edw. (Harvesters, etc)
Ohio Cultivator Co. (Cultivators, Plows Harrows, Planters, Listers, etc)
BEREA—Dunham Co. (Pulverizers & Rollers, etc)
BOWLING GREEN—Thornburgh Mfg. Co. (Hay Loaders, Garden Cultivators, Plows, Drills, etc)
CANTON—Bucher & Gibbs Plow Co. (Plows, Harrows, Cultivators & Land Rollers), 800-862 2nd S E
Dick Jos. Mfg. Co. (Fodder Cutters, etc)
Kohler F. E. Co. (Hand Corn Planters)
Ney Mfg. Co. (Hay Carriers, etc), 1006 Highar, S. W.
Swineford G. A. Co. (Hay Carriers, etc), 944 Union av S W
CINCINNATI—Blymyer Iron Works Co. (Plantation Coffee & Rice Machy, etc)
Miller L. J., 1421 State av
CLEVELAND—Akron Cultivator & Mfg. Co., 3144 E. 65th.
Am. Fork & Hoe Co. (Forks, Hoes, etc.), Swetland bldg.
BARTLETT & SNOW CO., C. O. (Corn Crushers & Shellers, Pearling Machinery, Oat Cutters), 6350 Harvard av
See adv index at end of book
Cleveland Tractor Co. ("Cleveland" Tractors), Euclid & Lamb av
Empire Plow Co. (Plows, Harrows, Cultivators, Tractor Implements, etc.), 3140 E 65th
COLDWATER—New Idea Spreader Co. (Manure Spreaders)
COLUMBIANA—Enterprise Co.
Kilbourne & Jacobs Mfg. Co. (Scrapers).
CRESTLINE—Burch Plow Works Co. (Plows, etc)
Ohio Rake Co. (Harrows, Hay Loaders, Planters, Rakes, Tedders, Corn Shellers)
DEFIANCE—Defiance Welding Co. (Peg Tooth Harrow & Pulverizer)
DOYLESTOWN—Seiberling & Miller Co. (Mowers, Reapers, Binders, Harvesters, etc)
FREMONT—Lehr Agricultural Co. (Cultivators, Harrows, etc)
GALENA—Hughes & Smythe (Revolving Rakes, Corn Planters, etc)
GERMANTOWN—Emrick A. E. (Plows, Harrows & Tobacco Presses)
HARRISON—Campbell-Hansfeld Co.
HILLSBORO—Bell C. S. Co. (Feed Mills, Cane Mills, etc)
KENT—Peterson Mfg. Co. (Pulverizers & Clod Crushers)
LANCASTER—Eagle Machine Co. (Feed Mills, Hand Planters, Corn Shellers, Feed Cutters)
Hocking Valley Mfg. Co. (Corn Shellers, Hay Rakes, Tedders & Loaders, Feed Cutters)
LOGAN—Logan Fdry. & Machine Co. (Plows, etc)
MADISON—Genung C. W. (Garden Seed Drills & Cultivators)
MALTA—Brown-Manly Plow Co. (Plows, Cultivators, etc)
Lean Roderick Mfg. Co. (Harrows, Cultivators, Weeders, etc.)
MARION — Huber Mfg. Co. (Threshers, Stackers, Weighers, Engines, etc)
MARTINSVILLE—West & Townsend (Cultivators)
MARYSVILLE—Adams Husker Co.
MASSILLON—Harrison W. R. & Co. (Fodder Cutters, etc)
Russell & Co. (Threshers, Stackers, etc)
NAPOLEON—Heller-Aller Co. (Feed Cookers, Farm Boilers, Hog Scalders, Hog Waterers, etc)
NEW LEXINGTON—Star Mfg. Co. (Feed Mills, Grinders, etc)
NORTH FAIRFIELD — Fairfield Plow Works (Plows)
RIPLEY—Ripley Fdry. & Machine Co. (Pulverizers, etc)
SALEM—Silver Mfg. Co., Box 256
SPRINGFIELD—American Seeding Machine Co. (Grain Drills, Seeders & Sowers, Broadcast Disk, Harrows, etc)
Bayley Wm. Co. (Feed Mills, Hand Grist Mills & Corn Shellers)
Duplex Mill & Mfg. Co.
Excelsior Drill Co.
International Harvester Co. of America, (See Chicago, Ill.
Mast, Foos & Co. (Lawn Mowers, Wind Engines, Pumps, etc)
Roberts Thos. (Feed Mills)
Ross E. W. Co. (Feed, Fodder & Ensilage Cutters, Silos & Grinding Mills, etc)
Superior Mfg. & Mill Co.
Thomas Mfg. Co. (Grain Drills, Hay Loaders, Rakes, Tedders, etc)
SWANTON—Baker A. D. Co. (Threshers, Traction Engines, etc)
TIFFIN—Tiffin Wagon Co. (Corn Shellers, etc)
TOLEDO—Motor Macultivator Co., 1306 Dorr
UPPER SANDUSKY—Ohio Mfg. Co.
URBANA—Bechtolt Geo. E. (Plows)
WESTERVILLE—Bennet H. L. & Co. (Corn Harvesters, Stump Pullers, etc)
WILMINGTON—Hunnicutt Chas. Co. (Seed Corn Graders)
ZANESVILLE—Brown Mfg. Co. (Plows, Harrows, Cultivators, etc)

OKLAHOMA.

MUSKOGEE—Swanson Plow Co. (Plows, Planters, Harrows, Cultivators, Stalk Cutters, Hay Presses)

PENNSYLVANIA.

CLEONA—Imboden Harrow & Roller Co. (Harrow & Land Roller Combined)
COCHRANTON — Nonpareil Mfg. Co. (Spreaders)
DOYLESTOWN—Doylestown Agricultural Co. (Threshers, Fodder Cutters)
EASTON—Hobson & Co
WILSON BROS. (Feed Mills, Feed Cutters) *See adv index at end of book*
ELIZABETHTOWN—Buch's A. Sons Co. (Corn Shellers, Fanning Mills, Feed Cutters)
ELYSBURG—De Shay D. H. (Corn Plows, Potato Diggers, etc)
GREENCASTLE—Walck Henry S. (Grain Cradles, Rakes, etc)
HAMBURG — Hamburg Plow Works (Plows, Potato Diggers)
KENNETT SQ.—American Road Machinery Co. (Plows, etc)
Good Roads Machy. Co.
LANCASTER—Dellinger A. M. (Feed Grinding Mills, etc)
LANESBORO—Barnes Mfg. Co. (Plows, etc)
LANSDALE—HEEBNER & SONS, (Threshers, Harrows, Feed Mills, Feed Cutters)
LERAYSVILLE—Bailey E. M. & Son (Plows, etc)
MIFFLINBURG—Albright Jas. H. & Sons (Harrows, Cultivators, Rakes, Feed Cutters)
MOUNTVILLE — Mountville Mfg. Co. (Plows, Planters, Corn Shellers, etc)
MUNCY—SPROUT WALDRON & CO. (Feed Mills, Corn Shellers, etc.)
See adv index at end of book
NEW HOLLAND—New Holland Machine Co.
ORANGEVILLE—Conner J. W. & Son (Feed Cutters, Harrows, Threshers, Separators, etc)
PHILADELPHIA—Allen S. L. & Co. ("Planet, Jr.," Cultivators, Planters, Seeders), 5th & Glenwood
Straub A. W. Co. (Feed Mills, etc), 3741 Filbert
POTTSTOWN—Ellis Keystone Agricultural Works (Threshers)
READING—Gray Iron Foundry Co. (Garden Tools)
Lessig Geo. D. & Son (Feed Cutters)
RIMERSBURG—Kaster P. M. (Plows, etc)
SCRANTON—Scranton Forging Co. (Forgings For), 200 Green Ridge av
TATAMY—Messinger Mfg. Co. (Planters, Tedders, Threshers, Feed Cutters)
WAYNESBORO — Emerson Brantingham Co.
Frick Co. (Threshers, Traction Engines, etc.)
YORK—Farquhar A. B. Co. Ltd. (Threshers, Plows, Grain Drills, Saw Mills, Potato Diggers, Cultivators, Hydraulic Presses, Steam & Gas Tractors, Corn Planters & Shellers, Engines & Boilers, Feed Cutters)

SOUTH DAKOTA.

SIOUX FALLS—Deere John Plow Co.
WATERTOWN—Lee Bros. (Plows, Harrows, etc)

TENNESSEE.

CHATTANOOGA—Chattanooga Implement & Mfg. Co. (Hay Presses, Plows & Cultivators), E-C
Chattanooga Plow Co. (Plows, Cane Mills, Evaporators, Cotton & Corn Planters, etc), Carter & Main
Ross-Meehan Foundry Co. (Feed Cutters), Carter st
CLARKSVILLE—Patch A. H. (Corn Shellers)
HARRIMAN—Harriman Mfg. Co. (Plows, Cotton Planters, Harrows, Feed Mills)
MEMPHIS—Ellis Wm. C. & Sons Iron Works (Cotton Seed Cleaners), 245 S. Front
MORRISTOWN—Koger Pea & Bean Thresher Co.
Ross-Meehan Foundries (Feed Cutters)

TEXAS.

BRENHAM—Schuerenberg F. W. (Plows)
DALLAS—Murray Co. (Cotton Gins, Presses, etc)
Southern Plow Co. (Plows, Cotton & Corn Planters, Harrows & Stalk Cutters, etc)
LONGVIEW—Kelly G. A. Plow Co. (Cultivators, Planters, Steel Shapes, Cast & Steel Plow Goods, Cast Steel & Chilled Plows)
McGREGOR—Texas Implement Mfg. Co. ("Texas" Cotton Choppers & Cultivator Hobbies)

VERMONT.

BELLOWS FALLS—Derby & Ball (Grain Cradles)
Vermont Farm Machine Co.
RANDOLPH—Sargent, Osgood & Roundy Co. (Cultivators, Plows, Potato Hillers, Corner Hay Racks, etc)

VIRGINIA.

ALEXANDRIA—May Wm. H. & Son (Plows)
BRIDGEWATER—Bridgewater Plow Corporation
CHARLOTTESVILLE—Harris R. F. & Co.
FREDERICKSBURG—Hunter Chas. E. Farmers' Friend Plow Works (Plows)
HARRISONBURG—Bradley P. & Sons (Plows, etc)
LYNCHBURG—Lynchburg Foundry Co. (Plows)
Lynchburg Plow Works (Walking Plows)
NORFOLK—Billups C. Son & Co. (Plows)
Whitehurst R. W. Mfg. Corp. (Plows, Hay Presses)
PETERSBURG—Ayers J. R. (Fertilizer Distributors, Planters, etc)
RICHMOND—Call-Watt Co. (Plows)
Cardwell Machine Co. (Threshers, Planters, Feed Cutters, Horse Powers, Hay Presses), 1900 E. Cary
STARKE'S DIXIE PLOW WORKS, INC. (Plows), 1518 E. Cary
STAUNTON—Leader Plow Co. (Garden Plows)

WASHINGTON.

SPOKANE — Northwest Harvester Co. (Harvesters), 3036 Trent
WALLA-WALLA—Harris Mfg. Co.
Washington Weeder Works (Disc Weeder Cultivators).

(Continued on following page)

Agricultural Implement Mfrs.—Cont.

WISCONSIN.

ALGOMA—Wodsedalak Jos. (Feed Cutters, etc)
APPLETON—Appleton Hay Tool Co. (Hay Tools)
BEAVER DAM—Beaver Dam Mfg. Co. (Seeders)
BELOIT—Thompson Plow & Engine Works (Plows, Harrows, Cultivators, Listers, etc)
BRANDON—Sherwin E. C. & Son (Harrows)
BRILLION—Brillion Iron Works (Plows, Clod Crushers & Land Rollers)
EVANSVILLE—Baker Mfg. Co. (Feed Mills, Windmills, etc)
FOND DU LAC—Glasow Fred. (Plows)
FORT ATKINSON — Pounder Geo. H. (Harrows)
HORICON—Van Brunt Mfg. Co. (Cultivators, Grain Drills, Seeders, etc)
JANESVILLE—Janesville Machine Co. (Plows, Harrows, Cultivators, Listers, etc)
Sampson Tractor Co. (Tractors & Trucks)
Strickler Hay Tool Co. (Haying Tools)
JEFFERSON—Vaughn Mfg. Co. (Harrows, Grain Mills, etc)
KEWAUNEE—Hamachek Frank (Plows, Feed Mills, Feed Cutters)
LA CROSSE—La Crosse Plow Co. (Plows, Harrows, Cultivators, Grain Drills, Listers, Seeders)
McKenzie Mfg. Co. (Potato Machinery)
Smith Mfg. Co. (Stump Pullers)
MADISON—Madison Plow Co. (Plows, Harrows, Cultivators, Planters, etc)
MANITOWOC—Gaterman Mfg. Co. (Clover Bunchers, Pea. Harvesters, Windrowers, etc.).
Smalley Mfg. Co. (Corn Shellers, Plows, Feed Cutters)
MILWAUKEE—Allis-Chalmers Mfg. Co. (Farm and Special Road Tractors)
See adv index at end of book
Hirsch Bros. (Potato Planters, Root Cutters, etc), 267 Reed
Lindsay Bros. (Band Cutters & Self Feeders), 78 Reed
Milwaukee Hay Tool Co. (Corn Huskers, Fodder Shredders & Haying Tools), Layton park
Rosenthal Corn Husker Co. (Huskers & Shredders Corn), West Allis
RACINE—Belle City Mfg. Co. (Feed & Ensilage Cutters, etc)
Case J. I. Plow Works (Plows, Harrows, Cultivators, Planters, Listers, etc, for Tractors & Horses)
Case J. I. Threshing Machine Co. (Threshers, Stackers, Weighers, etc)
Foster & Williams Mfg. Co. (Drag Rakes, Seeders, Fanning Mills, Feed Cutters,, Windmills, Feed Cutters, etc), Dept. O.
Freeman Mfg. Co. (Corn Shellers, Seeders, Fanning Mills)
Johnson & Field Mfg. Co. (Seeders, Fanning Mills, Land Rollers, etc.)
Wabers Mfg. Co. (Hand Corn & Potato Planters)
RIPON—Hazen W. S. (Harrows)
SHEBOYGAN—Blocki F. Co. (Clover Bunchers, Pea Harvesters, etc)
Globe Co. (Feed Mills & Feed Cutters)
SPARTA—Sparta Iron Wks Co. (Stump Pullers)
SUPERIOR—Duplex Mfg. Co. (Feed Mills, etc)
WATERLOO—Drew Carrier Co. (Feed & Litter Carriers)
WAUKESHA—Rowell I. B. Co. (Plows, Harrows, Feed Cutters, Ensilage Cutters)
WAUPUN—Althouse-Wheeler Co. (Feed Mills, etc)
Olson O. C. (Plows)
WAUSAU—Wausau Foundry & Machine Co. (Feed Cutters)
WEST BEND—Gehl Bros. Mfg. Co. (Feed & Fodder Cutters, Corn Shellers, Hay Tedders, Harrows, etc)

93—Agricultural Implement Parts & Shapes

American Shovel & Stamping Co., Lorain, O.
Bethlehem Steel Co., Bethlehem, Pa.
Calumet Steel Co., 208 S. La Salle, Chicago, Ill.
Cambria Steel Co., Widener bldg, Phila., Pa.
Campbell & Dann Mfg. Co., Tullahoma, Tenn.
Carnegie Steel Co. (Steel), Carnegie bldg, Pittsburgh, Pa.
Empire Plow Co. (Cultivator, Attachments, Clevises, Coulters, Grain Drill Points, etc), 3140 E 65th, Cleveland, O.
Havana Metal Wheel Co. (Plow Shares, Points, Lister Shares, Sub-Soilers, etc), Havana, Ill.
HEEBNER & SONS, Lansdale, Pa.
Henry & Allen (Knives, Sections, Guards, etc.), 2 Wadsworth, Auburn, N. Y.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Janesville Machine Co. (Harrow Attachments), Janesville, Wis.
Laclede Steel Co., Arcade bldg, St. Louis, Mo.
Mason F. C. & Co. (Potato Digger Blades, Harrow Shoes, Corn Planters, Plows)
Niles Steel Products Co., Niles Ohio.
See adv index at end of book

NILES STEEL PRODUCTS CO.
NILES, OHIO
Seats—Discs
Miscellaneous Parts

Noll Bros., 849 Allis, Milwaukee, Wis.
Pennsylvania Drop Forging Co. (Finished Steel), 937 French, Pittsburgh, Pa.
Star Mfg. Co. (Steel). Carpentersville, Ill.
Youngstown Pressed Steel Co., Warren, O.
See adv index at end of book
Youngstown Sheet & Tube Co. (The), Youngstown, Ohio
Zeigler Mfg. Co., Alexandria, Ind.

94—*Air Brake Storage Systems

Westinghouse Traction Brake Co., Pittsburgh, Pa.

Air Brushes

See Brushes (Air)

Air Conditioning

See Washers (Air)

95—Air Cooling & Purifying Apparatus

See also Humidifying Apparatus; also Washers
Am. Blower Co. ("Sirocco"), 6004 Russell, Detroit, Mich.
Atmospheric Conditioning Corp., Lafayette bldg., Philadelphia, Pa.
Badger E. B. & Sons Co., 75-A Pitts, Boston, Mass.
See adv. Index at end of book
BAKER EDW. J. & CO., 608 Otis bldg., Chicago, Ill.
Carrier Engineering Corp., 750 Frelinghuysen av, Newark, N. J.
COOLING TOWER CO., INC., 15 John St., New York
Parks-Cramer Co. ("Parks-Cramer"), Fitchburg, Mass.
Prentice L. H. Co., 330 Sherman, Chicago, Ill.

95a— Air Ducts (Steel)

Baker Edw. J. & Co., 608 Otis bldg., Chicago, Ill.
Connery & Co., Inc., 4000 N. 2nd, Phila, Pa.
See adv index at end of book
Heltzel Steel Form & Iron Co. (The), Warren, O. *See adv index at end of book*
Ozone Pure Airifier Co., 1401 W. Jackson blvd, Chicago, Ill.

96—Airlocks (Sewerage, Automatic)

Priestman Albert ("Merritt"), 328 Chestnut, Philadelphia, Pa.

97— Airmeters

Taylor Instrument Companies ("Tycos"), Rochester, N. Y.

98—*Air Motors & Air Hoisting Machinery

DETROIT HOIST & MACHINE CO., Detroit, Mich.
See adv index at end of book

AIR MOTORS & AIR HOISTING Machinery
DETROIT HOIST & MACHINE CO.
DETROIT, MICH

Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book

99— Airole

Hoffman La Roche Chemical Works, 19 Cliff, New York.

100— Airports

Eagle Brass Foundry Co., Seattle, Wash.
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Steward Davit & Equipment Corp. (Mechanical), 17 Battery pl, New York.
Wilcox Crittenden & Co. Inc., 444 S. Main, Middletown, Conn.
See adv. Index at end of book

AIRPORTS
For Wood or Steel Hulls
In Iron or Brass
Wilcox, Crittenden & Co., Inc.
444 So. Main St., Middletown, Conn.

101— Alarms (Burglar)

Bunnell J. H. & Co., 32 Park pl, New York
Burglary Protection Co., 647 Santa Fe av, Los Angeles, Cal.
Butte Electric & Mfg. Co. ("Federal"), 956 Folsom, San Francisco, Cal.
Daugherty W. D. (Bank), 138 9th, Pittsburgh, Pa.
Duplex Elec. Co., 75 Grand, New York
Edwards & Co., Exterior & 140th, New York
Electric Goods Mfg. Co., Canton, Mass.
Garl Electric Co., Akron, O.
Holmes Elec. Protective Co., 370 7th av., New York
Klaxon Co. ("Klaxon"), Bloomfield av, Newark, N. J.
McClintock O. B. Co. (Complete Thermo-Electric Systems), 139 Lyndale av,, Minneapolis, Minn.
Manhattan Electrical Supply Co., 17 Park pl, New York
Metropolitan Elec. Protective Co., 130 W. 26th, New York
Norris Safe & Lock Co. (For Banks), 114 3rd, Seattle, Wash.
Ostrander W. R. & Co., 371 B'way, New York
Partrick & Wilkins Co., 51 N 7th, Phila., Pa.
Stanley & Patterson ("S. & P." Double Magnet), 23 Murray, New York
Stewart S. A. & Co., Waltham, Mass.
United Electric Apparatus Co., 1529 Columbus av, Boston, Mass.

102—Alarms (Burglar System)

American Bank Protection Co., 1201 S 3d, Minneapolis, Minn.
American District Telegraph Co., 183 Varick, New York.
Burglary Protection Co., 647 Santa Fe av, Los Angeles, Cal.
Butte Electric & Mfg. Co. ("Federal"), 956 Folsom, San Francisco, Cal.
Holmes Elec. Protective Co., 370 7th av., New York
Klaxon Co. ("Klaxon"), 194 Wright, Newark, N. J.
Metropolitan Electric Protective Co., 130 W 26th, New York

103—Alarms (Fire, Manual, Thermostatic & Automatic Systems)

Aero Alarm Co., Seattle, Wash.
Anderson Coupling & Fire Supply Co., Kansas City, Kans.
Autocall Co. (Interior Systems), Shelby, O.
Automatic Fire Alarm Co., Bradford, Pa.
Automobile Supply Mfg. Co., 696 Myrtle, Brooklyn, N. Y.
Boston Automatic Fire Alarm Co., 141 Milk, Boston, Mass.
Boston Fire & Police Notification Co. ("Wall"), 11 High, Boston, Mass.
Bunnell J. H. & Co., 32 Park pl, New York
Champion Machine & Forging Co. (Forgings), 3690 E. 78th, Cleveland, O.
See adv index at end of book
Chicago Engineer Supply Co. ("Acme"), 68 W. Lake, Chicago, Ill.
Conn. Tele. & Elec. Co., Meriden, Conn.
Edwards & Co. (Manual), Exterior & 140th, New York
Elec. Automatic Appliance Co., Denver, Colo.
Elec. Fire Alarm Co., Sheboygan, Wis.
Electrical Sales Co., 261 Franklin, Boston, Mass.
Federal Sign System (Electric), 8700 S State, Chicago, Ill.
Fire Detecting Wire Co., 2 W 45th, New York
Fire Protection Co, 67 Main, San Francisco Cal.
Foote, Pierson & Co., 160 Duane, New York
Gamewell Fire Alarm Telegraph Co., Newton Upper Falls, Mass.
Garl Electric Co., Akron, O.
Goldstein Engng. Co. ("Air-Alarm," Automatic Detectors), 25 Maiden Lane, New York
Grinnell Co., Inc., 275 W. Exchange, Providence, R. I.
Heath Engineering Laboratories, 114 Sansome, San Francisco, Cal.
Hennebohle Frank, 31st & S. Chicago av., Chicago, Ill.
Holtzer Cabot Electric Co., 125 Amory, Boston, Mass.
Klaxon Co. ("Klaxon"), Bloomfield av, Newark, N. J.
Manhattan Electrical Supply Co., 17 Park pl, New York
Manhattan Fire Alarm Co., 44 E 23rd, New York

Metropolitan Elec. Protective Co., 130 W. 26th, New York
Mohawk Elec. Mfg. Co., 45 Lawrence, Newark, N. J.
Ohio Signal Co., Canton, O.
Ostrander W. R. & Co., 371 B'way, New York
Pacific Fire Extinguisher Co. ("Reichel"), 440 Howard, San Francisco, Cal.
Palmer Electric & Mfg. Co., 175 Fifth, E Cambridge, Mass.
Partrick & Wilkins Co., 51 N 7th, Phila., Pa.
Rex-Harris Fire Appliance Co., 310 W 39th, New York.
Rope Fire Escape Co., 1626 Market, Phila., Pa.
Russell Elec. Co. (Horns & Whistles), Danbury, Conn.
Samson Electric Co. ("Samson"), 237 Washington, Canton, Mass.
Special Fire Alarm Electric Signal Co., 44 E 23d, New York
Standard Electric Time Co. ("Standard." Fire & Automatic), 89 Logan, Springfield, Mass.
Stanley & Patterson, 23 Murray, New York.
Star Electric Co., Miller & N. J. R. R., Newark, N. J.
Stewart S. A. & Co., Waltham, Mass.
U. S. Automatic Fire Alarm Co. (Automatic & Thermostatic), Hall bldg., Kansas City, Mo.
Utica Fire Alarm Telegraph Co., Utica, N. Y.
Vierkant H. C., Tarrytown, N. Y.
Western Elec. Co., 463 West, New York

104—Alarms (Low Water, for Boilers)

Binghamton Machine Works ("The Turner"), Binghamton, N. Y.
Chicago Automatic Switch Co. (High & Low Water), 900 W Lake, Chicago, Ill.
Chicago Engineers Supply Co. ("Acme"), 68 W Lake, Chicago, Ill.
Engineering Co. of Phila., Harrison bldg., Phila., Pa.
Hills McCanna Co., 2025 Elston av., Chicago, Ill.
Jarvis Engine & Mach. Works, Lansing, Mich.
Kitts Mfg. Co. (High & Low), Oswego, N. Y.
Lawler Regulator Co., 435 North Railroad av., Mt. Vernon, N. Y.
Longeran J. E. Co. ("Reliable"), 211 Race, Phila, Pa.
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Ostrander W. R. & Co. ("Nev"), 371 B'way, New York
Partrick & Wilkins Co., 51 N 7th, Phila., Pa.
Pittsburgh Gage & Supply Co. (Also High Water "Pittsburgh" Safety), 30th & Liberty av, Pittsburgh, Pa.
Pneumercator Co., 40 Flatbush av extension, Brooklyn, N. Y.
Reliance Gauge Column Co., Cleveland, O
Rutzler Enoch Co., 404 E 49th, New York
Stanley & Patterson, 23 Warren, New York
Steigert L. Co. (Also for High Water, "U. S." Indicator), Logan & Elder, Cincinnati, O.
Weld Geo. A. Co., 79 Milk, Boston, Mass.
Williams Gauge Co., 543 4th av, Pittsburgh, Pa.
Wright-Austin Co. (& High Water), 315H Woodbridge W., Detroit, Mich.

105— Alarms (Mine Car)

American Safety Lamp & Mine Supply Co. ("American" Automatic), 1327 Capouse av, Scranton, Pa.
Caldwell W. E. Co. ("Caldwell" High Low Water Tank), Louisville, Ky.
Leahy John J., 48 Dey, New York
Ostrander W. R. & Co., 371 B'way, New York
Partrick & Wilkins Co., 51 N 7th, Phila., Pa.
Stanley & Patterson, 23 Murray, New York
Waldman John J., 64 Murray, New York

106-7— Alarms (Tank)

Caldwell W. E. Co. ("Caldwell" High Low Water Tank), Louisville, Ky.
Leahy John J., 48 Dey, New York
Ostrander W. B. & Co., 271 Broadway, New York
Partrick & Wilkens Co., 31 N 7th, Phila., Pa.
Stanley & Patterson, 23 Murray, New York
Waldman John J., 64 Murray, New York

108— Albone

Roessler & Hasslacher Chemical Co., 709 6th av, New York.
See adv index at end of book

108a— Albumen (Blood)

Armour Fertilizer Wks., United Stock Yards, Chicago, Ill.
Morningstar Chas. & Co. Inc., 650 W. 34th, New York
Innis Speiden & Co. Inc., 46 Cliff, New York.

108b— Albumen (Egg)

Cooper Chas. & Co., 194 Worth, New York
Florasynth Laboratories Inc., Olmstead & Starling, New York
Frazar & Co. (Imp.), 30 Church, New York
Frost F. W. & Co. Inc. (Imp.), 56 Beaver, New York.
Innis Speiden & Co. Inc., 46 Cliff, New York.
Morningstar Chas. & Co. Inc., 650 W. 34th, New York
Simmons T. W. & Co., 240 California, San Francisco, Cal.
Stein Hall & Co. Inc, 61 B'way, New York.

108c— Albumen (Milk)

Innis Speiden & Co. Inc., 46 Cliff, New York.
Sheffield By-Products Co., Hobart, N. Y.

109— Albumenometers

Automatic Fire Alarm Co., 416 B'way, New York
Eimer & Amend 205 E. 18th, New York
Tagliabue Chas. J. Mfg. Co., 18 33d, Brooklyn, N. Y.

110— Albums (Post Card)

Hanson, J. L. Co. (And Photograph), 552 W. Adams, Chicago, Ill.
Heinn Co., 354 Florida, Milwaukee, Wis.
Horn W. C. Bro. & Co., 200 5th av., New York
Ward Sam'l Mfg. Co., 299 Atlantic av, Boston, Mass.

110a— Alcohol (Allyl)

INDUSTRIAL CHEMICAL CO., 1414 Fifth Av bldg, New York

111— Alcohol (Denatured)

American Distilling Co., Pekin, Ill.
Apothecaries Hall Co. (Jobbers), Waterbury, Conn.
Berg David (Industrial Alcohol), Delaware & Tasker, Phila., Pa.
Bird J. A. & W. & Co. (Mfrs. Agents), 348 Concord sq, Boston, Mass.
Commercial Distilling Co., Terre Haute, Ind.
Commercial Solvents Corp., H S. 1st, Terre Haute, Ind.
Cooper Chas. & Co., 194 Worth, New York
Corby Co., Langdon, D. C.
Day, Jas. B. & Co., 224 W. Superior, Chicago, Ill.
Everett Distilling Co., Everett, Mass.
Felton & Son (Rum for Tobacco), 516 E 2nd, Boston, Mass.
FERGUSSON ALEX. C., JR., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
INDUSTRIAL CHEMICAL CO., 1414 Fifth Av bldg, New York
See adv index at end of book

DENATURED ALCOHOL
All Formulas
for Industrial Uses
INDUSTRIAL CHEMICAL CO.
1414 Fifth Avenue Building
NEW YORK CITY

Jefferson Distilling & Denaturing Co. ("Radio," Complete Denatured), Harvey, La.
Loos & Dilworth, 132-34H, S. Front, Philadelphia, Pa.
McAdam Charles Co., 2717 S. Troy, Chicago, Ill.
Mason By Products Co., 2 Pine, San Francisco, Cal.
New England Distilling Co. (Rum for Tobacco, etc.), Covington, Ky.
Pierce & Stevens, 4th & Penn, Buffalo, N. Y.
RIDDLE CHEMICAL CO., INC., 35 S Dearborn st, Chicago, Ill.
See adv index at end of book
Riverside Mfg. Co. (also Wood), 4528 S. Broadway, St. Louis, Mo.
Salomon L. A. & Bro., 216 Pearl, New York. *See adv. Index at end of book*
Scobell Chemical Supply Co. Inc., 131-H Railroad, Rochester, N. Y.
Union Distilling Co., 229 Race, Cincinnati, Ohio
U. S. Industrial Alcohol Co., 110 E. 42nd, New York
Webb, A. L. & Sons, Maryland Trust Bldg., Baltimore, Md.
Webb James A. & Son, 110 E. 42nd, New York
Western Industries Co., 110 Sutter, San Francisco
Wood Products Co., 4th & Penn, Buffalo, N. Y.

112— Alcohol (Ethyl)

Am. Distilling Co., Pekin, Ill.
American Distributing Co., 27 William, New York
American Spirits Mfg. Co., 25 Broadway, New York
Clifton Springs Distilling Co., 3849 Ludlow av., Cincinnati, O.
Commercial Distilling Co., Terre Haute, Ind.
Corby Co., Langdon, D. C.
Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa.
See adv index at end of book
Jefferson Distilling & Denaturing Co., Harvey, La.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Mason By-Products Co., 2 Pine, San Francisco, Cal.
Merchants Distilling Co., Terre Haute, Ind.
Michigan Iron & Chemical Co., 616 S. Michigan, Chicago, Ill.
Riddle Chemical Co., Inc., 35 S Dearborn st, Chicago, Ill.
See adv index at end of book
Standard Distilling & Distributing Co., 27 William, New York
Union Distilling Co., 229 Race, Cincinnati, Ohio
U. S. Industrial Alcohol Co., 27 William, New York
Voss Alcohol Export Corp., 27 Williams, New York
Wathen R. E. & Co., Louisville, Ky.
Webb, A. L. Sons, Maryland Trust Bldg., Baltimore, Md.
Webb Jas. A. & Son, 110 E. 42nd, New York

113— Alcohol (Iso Amyl, Butyl & Wood)

U. S. Industrial Chemical Co. (Refined) 110 E. 42nd, New York

113a— Alcohol (Methyl)

Am. Wood Preserving Co., 1351-N Branch, Chicago, Ill.
Berry Bros., Wight & Leib, Detroit, Mich.
Bird J. A. & W. & Co. (Mfrs. Agents), 348 Concord sq., Boston, Mass.
Boyne City Chemical Co., Boyne City, Mich.
Buckhannon Chemical Co., Olean, N. Y.
Cadillac Chemical Co., Cadillac, Mich.
Clawson Chemical Co., Ridgway, Pa.
Cleveland Cliffs Iron Co., Rockefeller bldg, Cleveland, O.
Cooper, Chas. & Co., 194 Worth, New York
Corbett M. J. & Co., Binghamton, N. Y.
Coryville Chemical Co., Bradford, Pa.
Cummer-Diggins Co., Cadillac, Mich.
Dav Chemical Co., Westline, Pa.
Day, Jas. B. & Co., 224 W. Superior, Chicago, Ill.
Florida Wood Products Co., Jacksonville, Fla.
Forest Chemical Co., Sheffield, Pa.
Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa.
See adv index at end of book
Gaffney Wood Products Co., Bradford, Pa.
Georgia Pine Turpentine Co. of N. Y., 158 Perry, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Heinemann Chemical Co., Olean, N. Y.
Industrial Chemical Co., 1414 Fifth Av bldg, New York
See adv index at end of book
James Mfg. Co., Kane, Pa.
Keery Thomas Co., Hancock, N. Y.
Lackawanna Chemical Co., Straight, Pa.
Leighton Arthur Co., Methol, N. Y.
Lewis Run Mfg. Co., Bradford, Pa.
McAdam Charles Co., 2717 S. Troy, Chicago, Ill.
McKean Chemical Co. (Wood Spirits), Williamsport, Pa.
Mailliard & Schmiedell (Mfrs. Agts.), 203 California, San Francisco, Cal.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Marvindale Chemical Co., Bradford, Pa.
Maryland Wood Products Co., Bradford, Pa.
Mashek Chemical & Iron Co. (Refined), Wells, Mich.
Michigan Iron & Chemical Co., 616 S. Mich. blvd., Chicago, Ill.
Miner Edgar Co., 110 William, New York.
Nansen Chemical Co., Nansen, Pa.
National Chemical Co., Bradford, Pa.
Newton Chemical Co., Olean, N. Y.
Noble Electric Steel Co., Mills bldg, San Francisco, Cal.
Norwich Chemical Co., Crosby, Pa.
Nusbaum Chemical Co., Bradford, Pa.
Oswago Chemical Co., Bradford, Pa.
Otto Chemical Co., Williamsport, Pa.
Peak C. W., Peakville, N. Y.
Penna Alcohol & Chemical Co., 136 N Water, Phila., Pa.
Pierce & Stevens, 4th & Penn, Buffalo, N. Y.
Riddle Chemical Co., Inc. (95% & 97%), 35 S Dearborn st, Chicago, Ill.
See adv index at end of book
Russell Chemical Co., Ltd., Russell, Pa.
Salomon L. A. & Bro., 216 Pearl, New York
Seaboard Chemical Co., Blanchard, Newark, N. J.
Smith A. B. Chemical Co., White bldg., Buffalo, N. Y.
Straight Creek Chemical Co., Straight, Pa.
Sullivan Chemical Co., Acidalia, N. Y.
Susquehanna Chemical Co., Straight, Pa.
Treyz G. H. & Co., Binghamton, N. Y.
Treyz G. I., Cook Falls, N. Y.

(Continued on following page)

Alcohol (Methyl)—Continued

Tyler-Hall Chemical Co. (Crude), Hancock, N. Y.
Union Distilling Co., 229 Race, Cincinnati, Ohio
Webb, A. L. & Sons ("Columbian"), Maryland Trust Bldg., Baltimore, Md.
Webb Jas. A. & Son, 110 E. 42nd, New York
Wood Products Co. (Pure Methyl & Refined), 4th & Penn, Buffalo, N. Y.
Wright Chemical Co., Susquehanna, Pa.
Wyman Chemical Co., Port Alleghany, Pa.

114— Alcohol (Solidified)

Sternau S. & Co., Inc., 9 E 37th, New York
Theroz Co., 233 B'way, New York

115— Alcoholometers

Central Scientific Co., 460 E Ohio, Chicago, Ill.
Daigger A. & Co., 54 W Kinzie, Chicago, Ill.
Eimer & Amend, 205 E. 18th, New York
Scientific Utilities Co., Inc., 18 E 16th, New York

116— Alizarine Assistant

Bosson & Lane, Atlantic, Mass.
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Herrick & Voight, 99 John, New York
Leyland Thos. & Co., Readville, Boston, Mass.
National Aniline & Chemical Co., Inc., 40 Rector, New York
National Oil Products Co., Harrison, N. J.
Pawtucket Mordant Co., Pawtucket, R. I.
Providence Drysalters Co., East Greenwich, R. I.
Shaw Jno. & Co., 15 Elkins, South Boston, Mass.
United Indigo & Chemical Co., Ltd., 176 Federal, Boston, Mass.
Wolf Jacques & Co., Passaic, N. J.

116a— Alkali Blue

Ciba Co. Inc., 134 Cedar, New York.
Dicks David Co. Inc., 44 Watts, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book

117— Alkali Mfrs.

American Chemical Co., 708 Gwynne bldg., Cincinnati, Ohio
Arnold, Hoffman & Co., 55 Canal, Providence, R. I.
Clark Fred G. Co., 1081 W 11th, Cleveland, Ohio
Diamond Alkali Co. (Special), First Nat'l Bank bldg, Pittsburgh, Pa.
Drackett P. W. & Sons Co., 5020 Spring Grove av, Cincinnati, O.
Ford J. B. Co. (Tanners, etc), Wyandotte, Mich.
Fuerst Bros. & Co. (Imported), 2 Stone, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Hollingsworth & Peterson, Lafayette bldg, Phila., Pa.
MATHIESON ALKALI WORKS, 25 W. 43rd, New York
See adv index at end of book
Michigan Alkali Co., Wyandotte, Mich.
Niagara Alkali Co., Niagara Falls, N. Y.
Royal Chemical Co. ("Royal" Powder, will remove Vienna Lime from Buffed or Polished Work), Phoenix, R. I.
Solvay Process Co., Syracuse, N. Y.,
Wing & Evans (Selling Agent), 40 Rector, New York
Winkler, Isaac & Bro. Co., 1st Nat'l Bank Bldg., Cincinnati, O.

117a— Alkali Plants

Buffalo Foundry & Machine Co., 65 Winchester av., Buffalo, N. Y.
See adv index at end of book

117b— Alkaloids

Abbott Laboratories, 4753 Ravenswood av, Chicago, Ill.
Hoffman La Roche Chemical Works, 19 Cliff, New York.
New York Quinine & Chemical Wks., Ltd., 152 Williams, New York

118— Alkarhein

Merrell W. S. Chemical Co., 5th & Pike, Butler, Cincinnati, O.

118a— Alloy Metals (Special)

Bario Metal Corp., 147 Varick, New York
BELMONT SMELTING & REFINING WORKS, INC. (All Mixtures, any formula), 328 Belmont av., Brooklyn, N. Y.
See adv index at end of book
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Magna Metal Co. ("Magna"), Doremus av., Newark, N. J.

118b—Alloy (Pyrophoric & Cerium)

Foote Mineral Co., 109 N 19th, Phila., Pa.
New Process Metal Co., 46-50 Center, Newark, N. J.
Pfanstiehl Co., No. Chicago, Ill.

119— Alloys (Aluminum)

See also Ferro-Aluminum

Ajax Metal Co., 46 Richmond, Philadelphia, Pa.
ALUMINUM COMPANY OF AMERICA, 2301 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book
Amalgamated Metals Selling Co. Ltd., 120 E. 16th, New York
American Alloys Co., American bldg, Baltimore, Md.
Am. Boron Products Co., Cherry & Carpenter, Reading, Pa.
American Duralumin Co., 11 Pine, New York
Baush Machine Tool Co. (Metals Div.) ("Baush Duralumin," "Baush A-5" Casting Metal, High Tensil, Heat Treating), 156 Wasson, Springfield, Mass.
BELMONT SMELTING & REFINING WORKS, INC. (No. 1 & No. 12 Ingot or any formula), 328 Belmont av., Brooklyn, N. Y.
See adv index at end of book
Birkenstein S. & Sons, 1056 W. North, Chicago, Ill.
British Aluminum Co., Ltd., 165 B'way, New York
Electric Smelting & Aluminum Co., Lockport, N. Y.
Erie Bronze Co., 355 W. 19th, Erie, Pa.
General Aluminum & Brass Mfg. Co., St. Aubin av, Detroit, Mich.
Leavitt C. W. & Co. (Broker), 34-H Church, New York.
National Smelting Corporation, 6800 Grant av, Cleveland, Ohio
See adv index at end of book
North American Smelting Co., Philadelphia, Pa.
Peninsular Smelting & Refining Co., 3651 Hart, Detroit, Mich.
Precision Castings Co. ("Precision"), Syracuse, N. Y.
Premium Metal & Packing Co., Inc., Wilkinsburg, Pa.
PRIER CO., WALTER H., 230 E Ohio st, Chicago, Ill.
See adv index at end of book
Richards & Co., 192 Beverly, Boston, Mass.
Stanley Chemical Co., East Berlin, Conn.
United Smelting & Aluminum Co., 183-189 Commerce, New Haven, Conn.
U. S. Reduction Co., East Chicago, Ind.

120—Alloys (Brass & Bronze)

Ajax Metal Co., 46 Richmond, Phila., Pa.
American Alloys Co., American bldg, Baltimore, Md.
BELMONT SMELTING & REFINING WORKS, INC. (Ingot any formula), 328 Belmont av., Brooklyn, N. Y.
See adv index at end of book
BUNTING BRASS & BRONZE CO., 738 Spencer, Toledo, O.
See adv. Index at end of book
Chase Metal Works, Div. Chase Companies, Inc., Waterbury, Conn.
Chase Rolling Mills, Div. Chase Companies, Inc., Waterbury, Conn.
Damascus Bronze Co. ("Damascus"), N. S., Pittsburgh, Pa.
Erie Bronze Co., 353 W. 19th, Erie, Pa.
Lumen Bearing Co., 200 Lathrop, Buffalo, N. Y.
See adv index at end of book
Michigan Smelting & Refining Co., 7881 Jos. Campau av, Detroit, Mich.
See adv index at end of book
Moore Engineering Co. (Up to Two Tons), Hagerstown, Md.
North American Copper Co., 52 Vanderbilt av, New York
PRIER CO., WALTER H., 230 E Ohio st, Chicago, Ill.
See adv index at end of book
Riverside Metal Co., Riverside, N. J.

120a— Alloys (Chromium)

ELECTRO - METALLURGICAL SALES CORP., Carbide & Carbon bldg, New York

121—Alloys (Copper & Nickel)

Aluminum Co. of America, Oliver bldg, Pittsburgh, Pa.
AMERICAN BRASS CO., Waterbury, Conn.
For branch offices see adv index at end of book
American Boron Products Co., Cherry & Carpenter, Reading, Pa.
American Magnesium Corp., Niagara Falls, N. Y.
Belmont Smelting & Refining Works Inc. (Ingot any formula), 328 Belmont av., Brooklyn, N. Y.
See adv index at end of book
BENSON ROLLING MILLS, INC., Glen Ridge, N. J.
See adv index at end of book
Bethlehem Steel Co. (Nickel Only), Bethlehem, Pa.
Damascus Bronze Co. ("Damascus" Copper), N. S., Pittsburgh, Pa.
Dixon Wm. (Guinea Dirs.), 119 Fulton, New York.
Eagle Smelting & Refining Works, 233 B'way, New York
Electrical Alloy Co., Morristown, N. J.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Metal & Thermit Corp., 120 B'way, New York.
Michigan Smelting & Refining Co., 7881 Jos. Campau av, Detroit, Mich.
See adv index at end of book
Mutual Electric & Machine Co. (Bandan Bronze), 232 Fort W, Detroit, Mich.
Nassau Smelting & Refining Works, 607 W 29th, New York
North American Copper Co., 52 Vanderbilt av, New York
Riverside Metal Co., Riverside, N. J.
Williams & Co., Inc., 901-937 Penna. av, Pittsburgh, Pa.

122— Alloys (Cupro Nickel)

Riverside Metal Co., Riverside, N. J.

122a— *Alloys for Electrical Purposes

Bario Metal Corp., 147 Varick, New York
DRIVER-HARRIS CO., Harrison, N. J.
See adv index at end of book

ALLOYS
ELECTRICAL — MECHANICAL — CHEMICAL
WIRE—STRIP—SHEET
CASTINGS—BARS—RODS, ETC.
DRIVER-HARRIS CO.
Harrison, N. J.
562 West Randolph Street, Chicago, Ill.
General Motors Building, Detroit, Mich.

Westinghouse Elec. & Mfg. Co., E. Pittsburgh, Pa. *See adv index at end of book*

Alloys for Steel Mfrs.

See Ferro Alloys of Various Kinds

122b— Alloys (Fusible)

Union Smelting & Refining Co. ("Usarco"), St. Charles, Newark, N. J.

123— Alloys (Gold & Silver)

Am Boron Products Co. (Boronic All Metal), Cherry & Carpenter, Reading, Pa.
Am. Platinum Works, 231 N. J. R. R. av, Newark, N. J.
Gracier S. B. Co. Inc., 608 Commercial, San Francisio, Cal.
Hagstoz T. B. & Son, 709 Sansom, Phila. Pa.
Hough W. S. Co., Dept. H, Attleboro, Mass.
Ney J. M. Co., Hartford, Conn.
Rich-Alloy Co., 13223 Euclid av, Cleveland, O.
Round Mountain Mining Co., 1 Montgomery, San Francisco, Cal.
Wilson H. A. Co. ("Wilco"), 99 Chestnut, Newark, N. J.

124— Alloys (Iridium)

American Platinum Works (Any Grade of Hardness), 231 N. J. R. R. av, Newark, N. J.
Rich-Alloy Co., 13223 Euclid av, Cleveland, O.

Alloys (Magnesium)

See Ferro-Magnesium

Alloys (Manganese)

See Ferro Manganese, Etc.

125—Alloys (Manganese Bronze)

Ajax Metal Co., 46 Richmond, Phila., Pa.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Alloys Co., American bldg, Baltimore, Md.
American Boron Products Co., Cherry & Carpenter, Reading, Pa.
American Manganese Bronze Co. ("Spare's" "Hy-Ten-Sl," etc), 3501 Rhawn, Phila., Pa.
Belmont Smelting & Refining Works Inc. (Ingot any formula), 328 Belmont av., Brooklyn, N. Y.
See adv index at end of book
Brady Brass Co., 170 14th, Jersey City, N. J.
Cramp Wm. & Sons' Ship & Engine Bldg. Co. ("Parsons," "Cramps"), Richmond & Norris, Phila., Pa.
Damascus Bronze Co. ("Damascus"), N. S., Pittsburgh, Pa.
Electric Smelting & Aluminum Co., Lockport, N. Y.
Erie Bronze Co., 353 W. 19th, Erie, Pa.
See adv. Index at end of book
Lumen Bearing Co., 200 Lathrop, Buffalo, N. Y. *See adv index at end of book*
Metal & Thermit Corp., 120 B'way, New York.
Michigan Smelting & Refining Co., 7881 Jos. Campau av, Detroit, Mich.
See adv index at end of book
North American Copper Co., 52 Vanderbilt av, New York
Riverside Metal Co., Riverside, N. J.

HIGH STRENGTH Aluminum Alloys

Aluminum in every Commercial Form

The ZR-1 (Shenandoah) is made of strong aluminum alloy which we furnished. The same alloy is available in our various products, where high strength and high elongation are desired. Let us show you how you can save by using high strength aluminum.

We produce aluminum in every form; we can recommend the best form (castings, for instance,—either sand, die or permanent mold) without prejudice, since we make all forms. Also, we have developed special alloys for special uses, to an extent possible only with diversified production.

Offices in 20 American Cities
(See list under "Aluminum")

ALUMINUM COMPANY of AMERICA
2301 Oliver Building, Pittsburgh, Pa.

126— Alloys (Phosphor Bronze)

Ajax Metal Co., 46 Richmond, Phila., Pa.
American Alloys Co., American bldg, Baltimore, Md.
Belmont Smelting & Refining Works Inc. (Ingot any formula), 328 Belmont av., Brooklyn, N. Y.
See adv index at end of book
BENSON ROLLING MILLS, INC., Glen Ridge, N. J.
See adv index at end of book
Brady Brass Co., 170 10th, Jersey City, N. J.
Bunting Brass & Bronze Co., 738 Spencer, Toledo, O. *See adv index at end of book*
Damascus Bronze Co. ("Damascus"), N. S., Pittsburgh, Pa.
Lumen Bearing Co., 200 Lathrop, Buffalo, N. Y. *See adv index at end of book*
Michigan Smelting & Refining Co., 1695 Jos. Campau, Detroit, Mich.
See adv index at end of book
Phosphor Bronze Smelting Co., ("Elephant" Brand), 2202 Washington av, Phila., Pa.
Riverside Metal Co., Riverside, N. J.

Alloys (Silicon)

See Ferro-Manganese & Ferro Silicon

Alloys (Vanadium)

See Ferro-Vanadium

126a— Alloys (White Metal)

Ajax Metal Co., 46 Richmond, Phila., Pa.
American Alloys Co., American bldg, Baltimore, Md.
American Boron Products Co., Cherry & Carpenter, Reading, Pa.
BELMONT SMELTING & REFINING WORKS, INC. (Any formula in pig or blocks), 328 Belmont av., Brooklyn, N. Y.
See adv index at end of book
Cramp Wm. & Sons Ship & Engine Bldg. Co. ("Parsons") Beach & Ball, Phila., Pa.
Crown Metal Co., 259 Washington, Milwaukee, Wis.
Eagle Picker Lead Co. (The), 208 S. La Salle, Chicago, Ill.
Eagle Smelting & Refining Works, 233 B'way, New York
Electric Smelting & Aluminum Co., Lockport, N. Y
Empire Metal Co., Syracuse, N. Y.
Lee-Zurich Alloys Corp., 335 Calyer, Brooklyn, N. Y.
Magnolia Metal Co., 113 Bank, New York. *See adv index at end of book*
Metals Refining Co., Inc., Hump rd., Hammond, Ind.
Michigan Smelting & Refining Co., 7331 Jos. Campau av, Detroit, Mich.
See adv index at end of book
Precision Castings Co. ("Precision"), Syracuse, N. Y.
Riverside Metal Co., Riverside, N. J.
Riverside Metal Refining Co., Connelsville, Pa.
Union Smelting & Refining Co. ("Usarco"), St. Charles, Newark, N. J.
White Metal Rolling & Stamping Corp., 314-16 Colyer, Brooklyn, N. Y.

127— Alloys (Zirconium)

ELECTRO - METALLURGICAL SALES CORP., Carbide & Carbon bldg, New York

127a— Aloin

Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park pl, New York.
Norwich Pharmacal Co., Norwich, N. Y.
Riddle Chemical Co., Inc., 35 S Dearborn st, Chicago, Ill.
See adv index at end of book

127a-1—*Alpha-Naphtylamine

DU PONT E. I. DE NEMOURS & CO. INC., Dyestuffs Dept., Wilmington, Del.
See adv index at end of book

127a-2—*Alpha-Nitronaphthalene

DU PONT E. I. DE NEMOURS & CO. INC., Dyestuffs Dept., Wilmington, Del.
See adv index at end of book

127a-3— Altars

See also Marble Altars; also Furniture Church & Lodge.

Daprato Statuary Co., 766 W Adams, Chicago, Ill.
See adv index at end of book

Altars in Marble, Scagliola and Rigalico Composition
DAPRATO STATUARY COMPANY
Chicago—New York—Montreal
Designers, Sculptors and makers of high class altars, any size or design. Photographs and designs upon application. Shipments to all parts of the world.

127b— Alum (Ammonium)

Fergusson, Alex. C. Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Kalbfleisch Corp., 200 5th av, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merrimac Chemical Co., 148 State, Boston, Mass.
Monsanto Chemical Works, 1800 S 2nd, St. Louis, Mo.
Penna Salt Mfg. Co., Widener bldg, Philadelphia, Pa.
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.
Sergeant E. M. Co., 131 Cedar, New York.
Squibb E. R. & Sons, 23 Vine, Brooklyn, N. Y.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

127c— Alum (Ferric)

Fergusson, Alex. C. Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.

127d— Alum (Filter)

DU PONT E. I. DE NEMOURS & CO. INC., (Lithopone, Pigments & Heavy Chemicals, Div.), 3500 Grays Ferry rd. Phila., Pa. *See adv index at end of book*
Fergusson, Alex. C. Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
General Chemical Co., 40 Rector, New York.
Grasselli Chemical Co., Guardian bldg., Cleveland, O.
Kalbfleisch Corp., 200 5th av, New York.
Merrimac Chemical Co., 148 State, Boston, Mass.
Penna. Salt Mfg. Co., Weidner bldg., Phila., Pa.

127e— Alum (Porous)

Cooper, Chas. & Co., 194 Worth, New York
DU PONT E. I. DE NEMOURS & CO. INC., (Lithopone, Pigments & Heavy Chemicals Div.), 3500 Grays Ferry rd., Phila., Pa. *See adv index at end of book*
Fergusson, Alex. C. Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Penna. Salt Mfg. Co., Weidner bldg., Phila., Pa.

128-29— Alumina

Chrome Color Wks. (Hydrate for Printing Ink), Matawan, N. J.
Detroit Chemical Works (Sulphate), 100H Junction av., Detroit, Mich.
Drakenfeld, B. F. & Co. (Oxide Hyd. Dealers), 50 Murray, New York
DU PONT E. I. DE NEMOURS & CO. INC., (Lithopone, Pigments & Heavy Chemicals Div.), (Sulphate Hydrate), 3500 Grays Ferry rd, Phila., Pa.
See adv index at end of book
Fergusson, Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
General Chemical Co., 40 Rector, New York.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Innis Speiden & Co. Inc. (Jobbers), 46 Cliff, New York.
Jarecki Chemical Co. (Sulphate), Sandusky, O.
Klipstein, A & Co. (Acetate, Formiate, Lineolate, Palmitate, Stearate, Sulphate, Sulphocynide, etc., Imp.), 644 Greenwich, New York
Merrimac Chemical Co. (Chloride, Sulphate, Hydrate, Acetate, etc.), 148 State, Boston, Mass.
Penna. Salt Mfg. Co. (Sulphate, Hydrate, or Calcined for Aluminum, etc.), Widener bldg, Phila., Pa.
Roessler & Hasslacher Chemical Co. (Sulphate), 709 6th av, New York
See adv index at end of book
Sergeant E. M. Co. (Sulphate), 131 Cedar, New York
Vitro Mfg. Co. (Hydrate of), H Bessemer bldg., Pittsburgh, Pa.
Warner Chemical Co. (Hydrate Light 96%), 52 Vanderbilt av, New York
Winkler, Isaac & Bro. Co. (Sulphate), 1st Nat'l Bank bldg, Cincinnati, Ohio

130— Alumino-Vanadium

Amalgamated Metals Selling Co., Ltd., 42 Broadway, New York.
Vanadium Corp. of Am., Equitable bldg, New York

130a— Aluminum

ALUMINUM COMPANY OF AMERICA (Aluminum in Every Commercial Form, including: Alloys, Apparatus (special), Bar, Bottle Seals, Bronze Powder, Bus-Bar, Cable (electrical transmission), Castings (Sand, Permanent Mold, Die), Coils (tubing), Collapsible Tubes, Conduit Die-Castings, Draw-press Products, Extruded Shapes, File Guides, Flux, Foil, Forgings, Ingot, Lithograph Plates, Molding, Paint Powder Pans (special), Permanent Mold Castings, Pipe Powder, Rivets, Rod, Sand Castings, Screw Machine Products, Seals (bottle), Sheet, Solder "Litot," Stamping, Tanks (special), Tubing, Varnish Kettles, Wire, Magnesium), 2301 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book
American Boron Products Co., Cherry & Carpenter, Reading, Pa.

(Continued on following page)

Aluminum—Continued

Belmont Smelting & Refining Works Inc. (Ingot No. 1 and No. 12—Special Mixtures), 328 Belmont av., Brooklyn, N. Y.
See adv index at end of book

ALUMINUM Ingot No. 1 Ingot No. 12
New Clippings
Cast Scrap
Special Mixtures
Belmont Smelting and Refining Works, Inc.
General Office: 328 Belmont Ave., Brooklyn, N. Y.

Cooper Chas. & Co. (Acetate Solution), 194 Worth, New York
International Minerals & Metals Corp., 61H Broadway, New York.
Leavitt C. W. & Co., 34 Church, New York. *See adv index at end of book*

ALUMINUM
Agents Swiss Make
C. W. LEAVITT & CO.
34 Church Street New York

Maryland Brass & Metal Wks., Calvert & Federal, Baltimore, Md.
Murphy Metals Co., 327 So. La Salle, Chicago, Ill.
National Smelting Corporation, 6800 Grant av, Cleveland, Ohio
See adv index at end of book

Aluminum Ingots Shot Granulated Hardener
NATIONAL SMELTING CORPORATION
6800 Grant Avenue Cleveland, O.

Philipp Bros. Inc., 233 Broadway, New York

130b— Aluminum Acetate

Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

130c— Aluminum Chloride

Amalgamated Metals Selling Co. Ltd., 120 E. 16th, New York
Cooper, Chas. & Co., 194 Worth, New York
Dow Chemical Co., Midland, Mich.
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Hooker Electro Chemical (Anhydrous), 25 Pine, New York.
Kalbfleisch Corp., 200 5th av, New York
Lennig Chas. & Co., 40 N. Front, Philadelphia, Pa.
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merrimac Chemical Co., 148 State, New York
Penna Salt Mfg. Co., Widener bldg, Philadelpnia, Pa.
Savell, Sayre & Co. Inc. (Granulated), Niagara Falls, N. Y.

131— Aluminum Flake

Aluminum Flake Co., Akron, O.
Amalgamated Metals Selling Co. Ltd., 120 E. 16th, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Scheel, Wm. H., 179 Water, New York
See adv index at end of book

132— Aluminum (Fluoride)

Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

132a—Aluminum (For Aeroplanes)

Aluminum Company of America, 2301 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book
Amalgamated Metals Selling Co. Ltd., 120 E. 16th, New York
Am. Metal Co., 61 B'way, New York
Levett Walker M. Co., 417-421 E 23d, New York
National Smelting Corporation, 6800 Grant av, Cleveland, Ohio
See adv index at end of book
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
United Smelting & Aluminum Co., 183-189 Commerce, New Haven, Conn.

132b—Aluminum (Granulated)

Aluminum Co. of America, Oliver bldg, Pittsburgh, Pa.
NATIONAL SMELTING CORPORATION, 6800 Grant av, Cleveland, Ohio
See adv index at end of book
United Smelting & Aluminum Co., 183-189 Commerce, New Haven, Conn.
U. S. Reduction Co., East Chicago, Ind.

133—Aluminum Hollow Ware

Alameda Aluminum Foundry, 2417 Clement av, Cal.
Aluminum Company of America, 2301 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book
Aluminum Cooking Utensil Co. ("Wear-Ever"), New Kensington, Pa.
Aluminum Goods Mfg. Co. ("Mirro"), Manitowoc, Wis.
Aluminum Products Co. ("Lifetime"), La Grange, Ill.
Borgfeldt Geo. & Co. ("Coronet," Pilot Swiss), 16th & Irving pl, New York
Bowman Geo. H. Co. ("Swissalu"), 224 Euclid av, Cleveland, O.
Buckeye Aluminum Co. ("Buckeye," "Real Solid"), Wooster, Ohio
Cleveland Metal Products Co. ("Aladdin"), 7609 Platt av., Cleveland, O.
Doylestown Aluminum Ware Co., Doylestown, Ohio
Enterprise Aluminum Co., Massillon, O.
Fargo E. A. Corp., Taunton, Mass.
Gem Stamped Steel Co. ("Gem" Coffee Pots), Chelsea, Mass.
Great Northern Mfg. Co., 546 Lake Shore Drive., Chicago, Ill.
Griswold Mfg. Co. ("Griswold"), Erie, Pa.
Heirloom Aluminum Corp., 1875 Elmowood av, Buffalo, N. Y.
Illinois Pure Aluminum Co., Lemont, Ill.
Indiana Aluminum Ware Co. ("Durabilt"), Elkhart, Ind.
Massillon Aluminum Co. ("Betty Bright"), Massillon, O.
Monarch Aluminum Ware Co., 4613 Payne av., Cleveland, O.
National Metal Ware Co., 1200 Flushing av, Brooklyn, N. Y.
New England Enameling Co. ("Priscilla"), Middletown, Conn.
Pacific Aluminum Co. ("Lustro"), Fresno, Cal.
Rome Mfg. Co. Inc., Dept. H, Rome, N. Y.
Standard Aluminum Co., Two Rivers, Wis.
Star Aluminum Co., Ashland, Ohio
Sterling Aluminum Co., Erie, Pa.
Van Natta Aluminum Wks., 920 W. 12th, Erie, Pa.
Vinton Co. ("Vinton" Brand), 100 N. 5th, Portland, Ore.
Wagner Mfg. Co., Sidney, O.
West Bend Aluminum Co., West Bend, Wis.
Western Aluminum Mfg. Co. ("Mission Ware"), Emeryville, Cal.
Wheeling Stamping Co., Wheeling, W. Va.

134—Aluminum Household & Toilet Specialties

Aluminum Goods Mfg. Co., Manitowoc, Wis.
Aluminum Specialty Co., Manitowoc, Wis.
American Aluminum Mfg. Co., Lemont, Ill.
Cassady Fairbank Mfg. Co., 6128 S La Salle, Chicago, Ill.
Great Northern Mfg. Co., 546 Lake Shore Drive., Chicago, Ill.
Illinois Pure Aluminum Co., Lemont, Ill.
Republic Metalware Co., 100 Alabama, Buffalo, N. Y.
Rome Mfg. Co. Inc., Dept. H, Rome, N. Y.
Sternau S. & Co., Inc., 9 E 37th, New York
Union Aluminum Co. (Combs, etc.), Orrville, O.
Wheeling Stamping Co., Wheeling, W. Va.

134a— Aluminum Hydroxide

Amalgamated Metals Selling Co. Ltd., 120 E. 16th, New York
Cooper, Chas. & Co., 194 Worth, New York
Hachmeister-Lind Chemical Co., Island & Leonard, Pittsburgh, Pa.
Merrimac Chemical Co., 148 State, Boston, Mass.

135— Aluminum Leaf

Baer Bros., 438 W 37th, New York
Drakenfeld B. F. & Co., Inc., 50 Murray, New York
Kemp, W. H. Co., 165 Spring, New York
National Supply Co., Union Bank bldg, Pittsburgh, Pa.
Rauskolb Fred W. Co., 16 Franklin, Boston, Mass.
Sayre Metal Co., Sayre, Pa.
Swift M. & Sons, 100 Love Lane, Hartford, Conn.

136— Aluminum (Liquid)

Michigan Stove Co. ("Garland"), Adair & Jefferson, Detroit, Mich.

136a-b—Aluminum Nitrate

Amalgamated Metals Selling Co., Ltd., 42 Bway, New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Wiarda John C. & Co., 273 Greene, Brooklyn, N. Y.

Aluminum Novelties

See Metal Novelties & Specialties

Aluminum Oxide

See Aluminum

136c—Aluminum (Perforated)

Amalgamated Metals Selling Co. Ltd., 120 E. 16th, New York
Harrington & King Perforating Co., 5665 Fillmore, Chicago, Ill.
Multi Metal Co. Inc., 801 E. 139th, New York
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

136d—Aluminum (Powdered)

Aluminum Co. of America, Oliver bldg, Pittsburgh, Pa.
United Smelting & Aluminum Co., 183-189 Commerce, New Haven, Conn.

136e— Aluminum Resinate

Amalgamated Metals Selling Co. Ltd., 120 E. 16th, New York
National Oil Products Co., Harrison, N. J.
Scheel Wm. H., 179 Water, New York
See adv index at end of book

137—Aluminum (Sheets & Rods)

See also Ingots, Aluminum; Tubing, Aluminum

Aluminum Company of America, 2301 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book
Aluminum Rolling Mill Co., Ivanhoe rd, Cleveland, Ohio
Amalgamated Metals Selling Co. Ltd., 120 E. 16th, New York
Bradford Co. (Imp.), 250 5th av., New York
Cleveland Metal Products Co., 7609 Platt av, & C. & P. tracks, Cleveland, Ohio
ERDLE PERFORATING CO. (Sheet), 181 York, Rochester, N. Y.
See adv index at end of book
Guiterman, Rosenfeld & Co. (Imp.), 35 S. William, New York
Hough W. S. Co., Dept H, Attleboro, Mass.
Illinois Smelting & Refining Co., 410 N Peoria, Chicago, Ill.
Jobbins, W. F. (also Aluminum, Sulphate), Aurora, Ill.
Kemp W. H. Co., 165 Spring, New York
Philipp Bros., Inc., 233 Broadway, New York
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Tennant C. Sons & Co. of N. Y. (Imported), 19 W. 44th, New York
United Smelting & Aluminum Co., 183-189 Commerce, New Haven, Conn.
U. S. Reduction Co., East Chicago, Ind.
Welding Materials Co., 116 Liberty, New York

137a— Aluminum Silicate

Amalgamated Metals Selling Co. Ltd., 120 E. 16th, New York

137b— Aluminum Stearate

Amalgamated Metals Selling Co. Ltd., 120 E. 16th, New York
Fergusson Alex C. Jr., 474 Chestnut, Phila. Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
National Oil Products Co., Harrison, N. J.
Shepherd Chemical Co., Highland & Orchard, Cincinnati, Ohio
Sloan & Russell Inc., 198 B'way, New York

137c— Aluminum Sulphate

Amalgamated Metals Selling Co. Ltd., 120 E. 16th, New York
Fergusson Alex C. Jr., 474 Chestnut, Phila. Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Michigan Electrochemical Co., Menominee, Mich.
Powers-Weightman-Rosengarten Co. (& Other Salts), 916-H Parrish, Phila., Pa.
Wiarda John C. & Co. (Iron Free), 83 Provost, Brooklyn, N. Y.
See adv index at end of book

137d— Aluminum Sulphite

Amalgamated Metals Selling Co. Ltd., 120 E. 16th, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.

138—Aluminum Vessels & Linings for Fireless Cookers

Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book

139— Alums

Cooper & Cooper Inc., 23-H Cliff, New York.
Detroit Chemical Wks., 100H Junction av, Detroit, Mich.
Du Pont E. I. de Nemours & Co. (Heavy Chemical & Acid Sales Dept.), Wilmington, Del. *See adv index at end of book*
General Chemical Co., 40 Rector, New York.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Innis Speiden & Co, Inc., 46 Cliff, New York.
Kalbfleisch Corp., 200 5th av, New York
Klipstein A. & Co. (Imp.), 644 Greenwich, New York
Lennig Chas. & Co., 40 North Front, Phila, Pa.
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merrimac Chemical Co., 148 State, Boston, Mass.
Penna. Salt Mfg. Co. (Lump, Ground, Powdered, Burnt & Filtering), Widener bldg, Phila., Pa.
Powers-Weightman-Rosengarten Co., 916 Parrish Phila., Pa.
Provident Chemical Wks., 8011 Idaho av, St. Louis, Mo.
Riverside Mfg. Co., 4528 S. Broadway, St. Louis, Mo.
Sergeant E. M. Co. (Potash), 15 E 26th, New York *See adv index at end of book*
Superior Chemical Co., Joliet, Ill.
Thomsen Chemical Co., Race & Winder, Baltimore, Md.
Wiarda John C. & Co. (Lump & Powdered), 83 Provost, Brooklyn, N. Y.
See adv index at end of book
Winkler, Isaac & Bro. Co., 1st Nat'l Bk bldg., Cincinnati, O.

Alundum Wheels

See Emery & Corundum Wheels

140—Amalgamating Pans & Barrels

Hendy, Joshua Iron Works, 75 Fremont, San Francisco, Cal.
TRAYLOR ENGNG. & MFG. CO., Allentown, Pa.
See adv index at end of book
Worthington Pump & Machinery Corp., 115 B'way, New York

141—Amalgamators (Metallurgical)

Bethlehem Shipbuilding Corp. Ltd., 20th & Michigan, San Francisco, Cal.
Bunting Iron Works ("Senn"), H First Nat'l Bank bldg, San Francisco, Cal.
Gibso, W. W., 112 Market, San Francisco, Cal.
Vandercook A. E. Engineering Co., 621 California, Sacramento, Cal.

142—*Ambrac Metal Sheet Wire & Tubes

AMERICAN BRASS CO., Waterbury, Conn.
For branch offices see adv index at end of book

143— Ambulances

Barley Mfg. Co. (Chassis), Kalamazoo, Mich.
Birch James H., Burlington, N. J.
Bradley-Ford Co., Cicero, Ill.
Crane & Breed Mfg. Co., 1227 W 8th, Cincinnati, O.
Fulton & Walker Co., 20th & Filbert, Phila., Pa.
Holzbog G. H. & Bro., Jeffersonville, Ind.
Leonhardt Wagon Mfg. Co., 417 E Saratoga, Baltimore, Md.
Lorraine Car Co., Richmond, Ind.
Michigan Hearse & Motor Co., 1500 Union av S. E., Grand Rapids, Mich.
Rech-Marbaker Co. (Combination Patrol & Ambulance), 8th & Girard, Phila., Pa.
Studebaker Corp., South Bend, Ind.
Weaver Mfg. Co. ("Weaver" Auto), Springfield, Ill.

144— Ammeters (Shunt)

BRISTOL CO. ("Bristol's" Recording), Waterbury, Conn.
See adv index at end of book
Clark Elec. Motor Co. ("Clark" For Automobiles), 1330 12th, Detroit, Mich.
Esterline-Angus Co., Speedway City, Indianapolis, Ind.
Hickok Electrical Instrument Co., 10514 Dupont, Cleveland, O.
Pignolet Instrument Co., 116 Liberty, New York.
Roller-Smith Co., 233 B'way, New York

145— Ammeters & Voltmeters

(Those who Manufacture Battery Gauges are so Indicated following their names)

Barker Bros., Inc., 327-329 Johnson st, Brooklyn, N. Y.
See adv index at end of book
Benton Electric Co., La Crosse, Wis.
Biddle Jas. G., 1211 Arch, Phila., Pa.
Braun-Knecht-Heimann Co. (Voltmeters), 576-584 Mission, San Francisco, Cal.
BRISTOL CO. ("Bristol's" Recording), Waterbury, Conn.
See adv index at end of book
Burton-Rogers Co. (Hoyt" for Automobiles), 26 Brighton, Boston, Mass.
Dongan Elec. Mfg. Co. (automobile ammeter only), 2937 Franklin, Detroit, Mich.
Dow Mfg. Co. (Battery Gauges), Braintree, Mass.
Du Vivier Ernest H. (Imp.) (Dial & Recording), 30 Church, New York
Eldredge Electric Mfg. Co., Springfield, Mass.
Esterline-Angus Co. ("Esterline-Angus" recording), Speedway City, Indianapolis, Ind.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
General Platers' Supply Co., Inc., 103 Grand, Brooklyn, N. Y.
See adv index at end of book
Hercules Instrument Co. ("Monarch" Ammeters), Mt. Vernon, N. Y.
Hickok Electrical Instrument Co., 10514H Dupont, Cleveland, Ohio
Hoyt Electric Instrument Works (For Direct Current, also Battery Gauges), Penacook, N. H.
International Instrument Co., Cambridge, Mass.
Jewell Electrical Instrument Co. ("Jewell" Radio & Dead-Beat Portable & Switchboard type), 1650 Walnut, Chicago, Ill.
Kendrick-Davis Co. (The K.-D.), Lebanon, N. H.
Knott L. E. Apparatus Co., 79 Amherst, Cambridge, Mass.
Manhattan Electrical Supply Co. ("Elite" Battery Gauges), 17 Park pl, New York
Mohawk Electric Mfg. Co., 15 Kirk Pl, Newark, N. J.
National Carbon Co. (Battery Gauges), Madison av, N. W., & W. 117th, Cleveland, O.
National Gauge & Equipment Co. ("National" "Cemco" "Clark" Automobile Ammeters Only), La Crosse, Wis.
Norton Electric Instrument Co., Manchester, Conn.
Pierson-Wilcox Elec. Co. (Battery Gauges), 223 S 6th, Minneapolis, Minn.
Pignolet Instrument Co. (Continuous & Alternating Current), 116 Liberty, New York
Queen-Gray Co., 64-70H W Johnson, Phila., Pa.
Railroad Supply Co., 203 S Dearborn, Chicago, Ill
Readrite Meter Works ("Readrite," Pocket & Miniature Battery Testing), Bluffton, Ohio
Reliance Instrument Co. ("Reliance"), 1135 W. Van Buren, Chicago, Ill.
Roller-Smith Co. (Portable & Switchboard) 233 B'way, New York
Sholder-Excel Mfg. Co., Clyde, O.
Spiitdorf Electrical Co. (Ammeters), 98 Warren, Newark, N. J.
Standard Electric Time Co., 89 Logan, Springfield, Mass.
Sterling Mfg. Co. (Pocket Battery Testers), 2845 Prospect av, Cleveland, Ohio
Tiffany Mfg. Co. ("Tiffanny" Dashboard Ammeters), 50-H Spring, Newark, N. J.
Troy Electrical Co., Troy, N. Y.
Weidenhoff Jos., 4352 W. Roosevelt rd, Chicago, Ill.
WESTBURG ENGINEERING CO., 57 W. Jackson blvd., Chicago, Ill.
Western Electro-Mechanical Co., 461 2nd, Oakland, Cal.
Westinghouse Electric & Mfg. Co. (Direct & Alternating Current), East Pittsburgh, Pa. *See adv index at end of book*
Weston Electrical Instrument Co., Waverly Park, Newark, N. J.

Ammonia

See Ammonia (Aqua & Anhydrous)

146— Ammonia (Aqua & Anhydrous)

Am. Cyanamid Co., 511 5th av, New York
Armour Ammonia Works (Anhydrous), 1355 W. 31st, Chicago, Ill.
Armour Glue & Ammonia Wks. (Anhydrous), 22 Battery, San Francisco, Cal.
Banner Mfg. Co., 1341 Adelaide, Detroit, Mich.
Barrett Co., 40-H Rector, New York.
Bethlehem Steel Co., Bethlehem, Pa.
Bower Hy. Chemical Mfg. Co. (Anhydrous & Aqua), 29th & Gray's Ferry rd, Phila., Pa.
Braun-Knecht-Heimann Co., 584 Mission, San Francisco, Cal.
Clapp B. P. Ammonia Co., Louisville, Ky.
Columbia Chemical Works ("C. C. Parsons"), Bush Terminal, Brooklyn, N. Y.
Consumers Ammonia Mfg. Co. (Anhydrous & Aqua), Camden, N. J.
Contact Process Co. (Aqua Ammonia only), 351 Abbott rd., Buffalo, N. Y.
Cooper, Chas. & Co., 194 Worth, New York
Cooper & Cooper Inc., 23-H Cliff, New York.
Erkenbrach Geo. A. Co. (Aqua), 115 Maiden lane, New York
Fall River Gas Works (15%), Fall River, Mass.
Fergusson Alex. C. Jr., 474 Chestnut, Phila. Pa. *See adv index at end of book*
General Chemical Co. (Aqua), 40 Rector, New York.
Grasselli Chemical Co. (Aqua), Guardian bldg., Cleveland, O.
Hamilton-Otto Coke Co., Hamilton, O.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Herf & Frerichs Chem. Co., 932H Pierce bldg, St. Louis, Mo.
Herrmann Geo. Co. (Dirs.), 300-H Front, San Francisco, Cal.
Heyman N. H. (Anhydrous), 433 E 59th, New York
Indigo Blueing Co., 2604 18th, San Francisco, Cal.
Kalbfleisch Corp. (Aqua Ammonia only), 200 5th av, New York
Klipstein A. & Co. (Muriate), 644 Greenwich, New York
McKesson & Robbins (Salts of), 91 Fulton, New York
Mailliard & Schmiedell (Mfrs. Agts), 203 California, San Francisco, Cal.
Mallinckrodt Chemical Works, 2nd & 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
MATHIESON ALKALI WORKS, 25 W. 43rd, New York
See adv index at end of book
Mechling Bros. Mfg. Co. (Aqua), Camden, N. J.
Merrimac Chemical Co. (Aqua & Anhydrous), 148 State, Boston, Mass.
Michigan Ammonia Works (Carbonate), ft of Meldum av., Detroit, Mich.
Morris & Co., U. S. Yards, Chicago, Ill.
National Ammonia Co. ("National" Anhydrous, "Peerless" Aqua for Ice Making & Refrigerating Machines), 3600 N B'way, St. Louis, Mo.
National Paper Products Co. ("Bobrick's Cloudy"), 528 Battery, San Francisco, Calif.
See adv index at end of book
Naugatuck Chemical Co. (Aqua), Naugatuck, Conn.
New Haven Gas Light Co., 80 Crown, New Haven, Conn.
Pacific Ammonia Bottling Co., 300 Front, San Francisco, Cal.
Pacific Ammonia & Chemical Co., 340 Spear, San Francisco, Cal.
Penn Chemical Works ("Banner," Dry), 1332 Washington av, Phila., Pa.
Powers - Weightman - Rosengarten Co. (16 deg., 20 deg., 26 deg. Be.), 916-H Parrish, Philadelphia, Pa.
Riddle Chemical Co., Inc. (26 degree), 35 S Dearborn st, Chicago, Ill.
See adv index at end of book
Riverside Mfg. Co. (26 deg.), 4528 S. Broadway, St. Louis, Mo.
Roessler & Hasslacher Chemical Co. (Sal Grami & Carbonate, etc.), 709 6th av, New York
See adv index at end of book
Semet-Solvay Co. (And Ammonia Products), Syracuse, N. Y.
Sergeant E. M. Co., 131 Cedar, New York
Shipley Construction & Supply Co., ft. of Warren, Brooklyn, N. Y.
Spokane Gas & Fuel Co. (Concentrated Unpurified), Spokane, Wash.
Thomsen Chemical Co, Race & Winder, Baltimore, Md.
Wiarda John C. & Co. (Carbonate or Fluoride Jobbers), 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

JOHN C. WIARDA & CO.
83 Provost St., Brooklyn, N. Y.
MANUFACTURING CHEMISTS

147— Ammonia Hydroxide

Baker J. T. Chemical Co., Phillipsburg, N. J.

148— Ammoniates

Alba Mfg. Co. (Fertilizer), Aurora, Ill.
American Agricultural Chemical Co., 2 Rector, New York
Armour Fertilizer Works, U S Yards, Chicago, Ill.
Buffalo Fertilizer Works, Mutual Life bldg., Buffalo, N. Y.
Fergusson Alex. C. Jr., 474 Chestnut, Phila. Pa. *See adv index at end of book*
Lang J. M. & Co. (Brokers), Savannah, Ga.
Ober G. & Sons Co., U. S. Fidelity & Guaranty bldg, Baltimore, Md.
Pacific Coast Beef & Provision Co. (Animal), Los Angeles, Cal.
Royster F. S. Guano Co., Norfolk, Va.
Swift & Co. (Animal), Union Stock Yards, Chicago, Ill.
Virginia-Carolina Chemical Co., Richmond, Va.
Walter Edw. J. Co. (Brokers), American bldg, Baltimore, Md.
Wilson & Co. (Animal), Union Stock Yards, Chicago, Ill.

148a— Ammonium (Benzoate)

Dissosway Chemical Co. Inc. (U. S. P.), 55-63 Eckford, Brooklyn, N. Y.
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Seydel Chemical Co., 86 Front, Jersey City, N. J.

149—Ammonium (Bi-Carbonate)

Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Riddle Chemical Co., Inc. (Lump), 35 S Dearborn st, Chicago, Ill.
See adv index at end of book
Semet-Solvay Co., Syracuse, N. Y.

149a— Ammonium (Bichromate)

Cooper, Chas. & Co., 194 Worth, New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

150— Ammonium (Bifluoride)

General Chemical Co., 40 Rector, New York.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

151— Ammonium Bromide

C. P. Chemical & Drug Co. Inc., 114-118 Liberty, New York.
Dissosway Chemical Co. Inc. (U. S. P.), 55-63 Eckford, Brooklyn, N. Y.
Dow Chemical Co., Midland, Mich.
Greeff, R. W., & Co., 78 Front, New York
Halogen Chemical Co., Bay City, Mich.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
New York Quinine & Chemical Wks., 135 William, New York

152— Ammonium (Carbonate)

Am. Agricultural Chemical Co., 2 Rector, New York
Cooper Chas. & Co., 194 Worth, New York
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Michigan Ammonia Wks., Ft. Meldrum av, Detroit, Mich.
Vitro Manfg. Co., H Bessemer bldg, Pittsburgh, Pa.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y.
See adv index at end of book

152a— Ammonium Chloride

See also Sal Ammoniac

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Powers-Weightman-Rosengarten Co., 916 W Parrish, Phila., Pa.
Sergeant E. M. Co., 131 Cedar, New York
WIARDA JOHN C. & CO., 83 Provost, Brooklyn, N. Y.
See adv index at end of book

152b— Ammonium Chromate

Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Monsanto Chemical Works, 1800 S 2nd, St. Louis, Mo.
Squibb E. R. & Sons, 23 Vine, Brooklyn, N. Y.

152c— Ammonium Fluoride

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Vitro Manfg. Co., H Bessemer bldg, Pittsburgh, Pa.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y.
See adv index at end of book

JOHN C. WIARDA & CO.
83 Provost St., Brooklyn, N. Y.
MANUFACTURING CHEMISTS

152d— Ammonium Iodide

Cooper, Chas. & Co., 194 Worth, New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

152e—Ammonium Molybolate

C. P. Chemical & Drug Co. Inc., 114-118 Liberty, New York.
Foote Mineral Co., Inc., 107 N. 19th, Philadelphia, Pa.
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Mine & Smelter Supply Co., Denver, Colo.
Squibb E. R. & Sons, 23 Vine, Brooklyn, N. Y.

153— Ammonium Nitrate

Atlas Powder Co. (Explosives & Dental), Wilmington, Del.
Fergusson Alex. C. Jr., 474 Chestnut, Phila. Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Hunnell & Co., Inc., 136 Liberty, New York.
Innis, Speiden & Co., Inc., 46 Cliff, New York.
Lennox Chemical Co., 1204 E. 55th, Cleveland, O.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Ohio Chemical & Mfg. Co., 1177 Marquette, Cleveland, Ohio
Tennant C. Sons & Co. of N. Y. (Imp.), 19 W. 44th, New York

153a— Ammonium Oxalate

American Alkali & Acid Co., Bradford, Pa.
Cooper, Chas. & Co., 194 Worth, New York
Dissosway Chemical Co. Inc. (G. P.) 55-63 Eckford, Brooklyn, N. Y.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

153b—Ammonium Persulphate

Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

154— Ammonium Phosphate

Am. Cyanamid Co., 511 5th av, New York
Ashcraft Wilkinson Co., Atlanta, Ga.
Cooper & Cooper Inc., 23-H Cliff, New York.
Fergusson Alex. C. Jr., 474 Chestnut, Phila. Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Victor Chemical Wks., Fisher bldg, Chicago, Ill.

Ammonium Sulphate

See Sulphate of Ammonia

154a— Ammonium Sulphide

Innis, Speiden & Co., Inc., 46 Cliff, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Seldner & Enequist, 86 Hausman, Brooklyn, N. Y.

154b—Ammonium Sulphocyanide

C. P. Chemical & Drug Co. Inc., 114-118 Liberty, New York.
Cooper, Chas. & Co., 194 Worth, New York
Cooper & Cooper Inc., 23-H Cliff, New York.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Squibb E. R. & Sons, 23 Vine, Brooklyn, N. Y.

154c— Ammonium Tartrate

Cooper, Chas. & Co., 194 Worth, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

154d— Ammonium Valeriate

Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

155— Ammunition

Artillery Fuse Co., Wilmington, Del.
Atlas Powder Co. ("Atlas"), Wilmington, Del.
Austin Cartridge Co., Cleveland, Ohio.
Bartlett Hayward Co., Scott & McHenry, Baltimore, Md.
Bethlehem Steel Co., Bethlehem, Pa.
Chamberlin Cartridge & Target Co., 514 Prospect av, Cleveland, O.
EDWARDS MFG. CO. (Paper Cap), 545-565 Eggleston av, Cincinnati, Ohio
See adv index at end of book
Giant Powder Co., Cons. ("Giant"), 1st National Bank bldg, San Francisco, Cal.
Moeschl-Edwards Corrugating Co., Box 564, Cincinnati Ohio
See adv index at end of book
Pacific Arms Corp. ("Pacific Arms"), 948 Market, San Francisco, Cal.
Panzer H. J. & Co., 99 John, New York.
Peters Cartridge Co., 1st Nat Bk bldg., Cincinnati, O.
Quackenbush H. M. (Air Rifle), Herkimer, N. Y.
Remington Arms Co. Inc. ("U. M. C."), 25-H B'way, New York.
Savage Arms Co. ("22 Hi-Power"), 50 Church, New York.
U. S. Cartridge Co. ("Climax"), Lowell, Mass.
Western Cartridge Co., East Alton, Ill.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

155a—*Ammunition (Air Rifle)

Quackenbush H. M., Herkimer, N. Y.

156—Amyl Acetate (Acetate of Amyl)

Albany Chemical Co. (Technical & C. P.), Albany, N. Y.
Alcohol Products Co., Blanchard st, Newark, N. J.
Anderson Chemical Co., Wallington, N. J.
Celluloid Zapon Co., 200 5th av, New York
Cooper Chas. & Co., 194 Worth, New York
Franco American Chem. Works, Carlstadt, N. J.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Klipstein A. & Co. (Imp), 644 Greenwich, New York
McKesson & Robbins (Imp), 91 Fulton, New York
Maas & Waldstein Co., 92 William, New York
U. S. Industrial Chemical Co., 110 E. 42nd, New York

156a—Amyl Acetate (Commercial & Iso)

Apothecaries Hall Co., Waterbury, Conn.
Franco-American Chemical Wks., Carlstadt, N. J.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
U. S. Industrial Alcohol Co. (Commercial), 110 E. 42nd, New York

156b— Amyl Butyrate

Bush N. J. & Co., 370 7th av., New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Northwestern Chemical Co., Wauwatosa, Wis.

156c— Amyl Salicylate

Chiris Antoine Co., 147 Waverly, New York
Van Dyk & Co., 6 Platt, New York

156d— Amyl Valeriate

Northwestern Chemical Co., Wauwatosa, Wis.

156e— Anaesthesic Apparatus

Clark A. C. & Co., 1035 E. 76th, Chicago, Ill.
Heidbrink Co., 420 S. 6th, Minneapolis, Minn.
Scientific Apparatus Co., 335 W. 45th, New York.

157— Analytical Apparatus

See also Instruments, Scientific

Ainsworth Wm. & Sons, 2151 Lawrence, Denver, Colo.
Berge J. & H. (Imp. Scales), 95 John, New York
Eimer & Amend, 205 E. 18th, New York
Hoskins Mfg. So., 453 Lawton, Detroit, Mich.
Salt Lake Hardware Co., Salt Lake City, Utah
Scientific Materials Co., 717 Forbes, Pittsburgh, Pa.

157a— Anchors (Anglers)

Laughlin Thos. Co., 135 Fore, Portland, Me.
See adv index at end of book

158— Anchors (Boat)

Amer. Eng. Co. (Stockless & Mushroom), Aramingo & Cumberland, Philadelphia, Pa.
Baldt Anchor & Chain Co., Chester, Pa.
Balfour, Guthrie & Co. (Jobbers), 350 California, San Francisco, Cal.
Camden Anchor-Rockland Machine Co. (Wrought Iron, 20 to 8,000 lbs), Camden, Me.
Cape Ann Anchor Works, Gloucester, Mass.
Chester Steel Castings Co. (Ship), 407 Sansom, Phila., Pa.
Columbia Steel Corp. (Steel), 351 California, San Francisco, Cal.
Crown Iron Wks. Co., 1229 Tyler, Minneapolis, Minn.
Doud-Mac Farlane Machy. Co., 1501 Dock, Tacoma, Wash.
Durkee Chas. D. & Co. ("Crescent"), 2 South, New York
Fisher C. W., 52H Bway, New York
International Ship Fittings & Supply Corp., 212-214 Fulton, Bklyn, N. Y.

LAUGHLIN THOS. CO., 135 Fore, Portland, Me. ("Dirigio" Folding Kedge, Fishing, Grapnel, Mushroom, Swivel, Stockless, Babbitt, etc.).
See adv. Index at end of book

ANCHORS, BOAT

"Dirigo," Folding, Kedge, Fishing, Trawl, Grapnel, Mushroom, Stockless, Swivel, etc.

Send for catalogue.

The Thomas Laughlin Company
135 Fore Street Portland, Maine

Malleable Iron Fittings Co. ("M.I.F.Co." Folding), Branford, Conn.
Marine Hardware Equipment Co., South Portland, Me.
Neptune Hardware Mfg. Co., 80 Warren, New York
New Jersey Foundry & Machine Co. ("Delta"), (Ship), 90 West, New York
Thacher Propeller & Foundry Corp., Albany, N. Y.
WILCOX CRITTENDEN & CO. INC. (Babbitt Old Style Folding Sand Trowl & "Cape Cod" Folding), 444 S. Main, Middletown, Conn.
See adv index at end of book

158a— Anchors (Building)

Am. Foundry & Mfg. Co., Dept. H, 11th & Herbert, St. Louis, Mo.
Cincinnati Iron Fence Co., 3312 Spring Grove av, Cincinnati, Ohio
See adv index at end of book
Dow Co., 201-H N. Buchanan, Louisville, Ky.
HARRY L. C. Co., 114 Liberty, New York
Mulvey Chas. Mfg. Co., 1840-H Carroll av, Chicago, Ill.
Republic Structural Iron Works Co., 1350 E. 53rd, Cleveland, O.

159— Anchors (Concrete)

Concrete Steel Co., 42 Bway, New York
KALMAN STEEL CO., 410 N. Michigan av., Chicago, Ill.
Richmond Screw Anchor Co., Pulitizer bldg, New York
Star Expansion Bolt Co., "Sebco," 147 Cedar, New York.
United States Expansion Bolt Co., 25 Elm, New York

160— Anchors (Fence)

Chance Mfg. Co. ("Never Creep"), Centralia, Mo.
Laughlin Thos. Co., 125 Fore, Portland, Me. *See adv. Index at end of book*
Page Steel & Wire Co. ("Page") Adrian, Mich.

160a— Anchors (Fishing)

Laughlin Thos. Co., 135 Fore, Portland, Me. ("Dirigo").
See adv. Index at end of book
Marine Hardware Equipment Co. ("Trawl"), South Portland, Me.
Thacher Propeller & Foundry Corp. ("Albany"), Albany, N. Y.

160b— Anchors (Grapnel)

Laughlin Thos. Co. ("Dirigo"), 135 Fore, Portland, Me.
See adv. Index at end of book
Marine Hardware - Equipment Co., South Portland, Maine.
Thacher Propeller & Foundry Corp. ("Albany"), Albany, N. Y.
Wilcox, Crittenden & Co., Middletown, Conn. *See adv index at end of book*

161— Anchors (Guy)

Bennett I. A. Co ("Bull Tongue"), 112 W Adams, Chicago, Ill.
Bluffton Anchor Co., Bluffton, O.
Chance Mfg. Co., Centralia, Mo.
Cook Frank B. Co., 2700 Southport (Cook Elec. Co.), Chicago, Ill.
Crouse-Hinds Co. ("Harpoon"), Syracuse, N. Y.
Everstick Anchor Co., 1624 N 8th, St. Louis, Mo.
Falls Elec. Co., Lima, O.
Faultless Anchor & Mfg. Co., Centerburg, Ohio
Gund Mfg. Co., La Crosse, Wis.
Hallet Iron Works ("Hiawatha," "Hallett" Guy anchor plate), Harvey, Ill.
Harrison Electric Co., 1088 DeKalb, Brooklyn, N. Y.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Jackman W. J. ("The Jack Anchor"), Lima, O.
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
Line Material Co., So. Milwaukee, Wis.
Miller Anchor Co. ("Miller" Safety), Norwalk, Ohio
New Eng. Bolt Co., Inc., Everett, Mass.
Oliver Iron & Steel Co., Pittsburgh, Pa.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Ransome Concrete Machy. Co. ("Oshkosh"), Dunellen, N. J.
St. Louis Malleable Casting Co. ("O. M."), 7700 N. Broadway, St. Louis, Mo.
Simpson Anchor Co., Niagara Falls, N. Y.
Specialty Device Co. ("Bierce"), 112 W 3rd, Cincinnati, O.
Universal Cable Grip Co. ("Universal" Anchor Head), Skaneateles, N. Y.
Wapak Hollow Ware Co., Wapakoneta, O.

Anchors (Joist)

See Joist Anchor & Timber Caps

161a— Anchors (Kedge)

Laughlin Thos. Co. ("Dirigo" Folding), 135 Fore, Portland, Me.
See adv. Index at end of book
Marine Hardware-Equipment Co., South Portland, Me.
Thacher Propeller & Foundry Corp. ("Albany"), Albany, N. Y.
United Shipsmithing Co., 135 Spear, San Francisco, Cal.

161b— Anchors (Mooring)

Fairhaven Iron Fdy. Co. (Bulb Shank), Fairhaven, Mass.
Thacher Propeller & Foundry Corp. ("Albany"), Albany, N. Y.

161c— Anchors (Mushroom)

Laughlin Thos. Co. ("Dirigo"), 135 Fore, Portland, Me.
See adv. Index at end of book
Marine Hardware - Equipment Co., South Portland, Me.
Thacher Propeller & Foundry Corp., Albany, N. Y.
Wilcox Crittenden & Co. Inc., 444 S. Main, Middletown, Conn.
See adv. Index at end of book

162— Anchors (Rail)

See also Creepers, Anti-Rail

Cleveland Frog & Crossing Co., 6917 Bessemer av, Cleveland, O.
National Malleable Castings Co., Quincy, Cleveland, O.
P. & M. Co. (The) ("P. & M," "Vaughan," "Henggi"), 80 E Jackson blvd, Chicago, Ill.
St. Louis Malleable Casting Co., 7700 N Broadway, St. Louis, Mo.
Scott John M. & Sons ("Racine"), Racine, Wis.

163— Anchors (Screw)

Ackerman-Johnson Co., 625 W Jackson blvd, Chicago, Ill.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book
Richmond Screw Anchor Co., 245 Bush, Brooklyn, N. Y.
Star Expansion Bolt Co., 145 Cedar, New York
U. S. EXPANSION BOLT CO., 139 Franklin, New York.

164—Anchors (Screw, Expansion)

Ackerman-Johnson Co., 625 W. Jackson blvd., Chicago, Ill.
DIAMOND EXPANSION BOLT CO. ("Diamond"), 89 West, New York
See adv index at end of book
Penn Seaboard Steel Co., Franklin Bk. bldg, Phila., Pa.
Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book
STAR EXPANSION BOLT CO. ("Star" & "Sebco"), 147 Cedar, New York.
U. S. EXPANSION BOLT CO., 139-141 Franklin, New York

164a— Anchors (Stockless)

Admiral Anchor Co., Chester, Pa.
Allison & Co. ("Allison" Patented Stockless Anchors), Dept. H, Chester, Pa.
Amer. Eng. Co. Aramingo & Cumberland, Philadelphia, Pa.
Laughlin Thos. Co. ("Dirigo"), 135 Fore, Portland, Me.
See adv. Index at end of book
Thacher Propeller & Foundry Corp. ("Albany"), Albany, N. Y.
Wilcox Crittenden & Co., Inc. ("Navy"), 444 S. Main, Middletown, Conn.
See adv index at end of book

165— Anchors (Stone)

Brunner & Lay, 570 W Polk, Chicago, Ill.
Duplex Hanger Co., E 53d & Lakeside av, Cleveland, O.
Ideal Hanger Co., Cleveland, O.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Republic Structural Iron Wks. Division, 1350H E 53rd, Cleveland, O.

166— Anchors (Wall)

Auer John, Jr. (Also Beam Wrought), 197 Middleton, Brooklyn, N. Y.
Bacon & Matheson Forge Co. (Curb), 17H W Lander, Seattle, Wash.
Brunner & Lay (Column-Beam & Pin), 570 W Polk, Chicago, Ill.
Chesapeake Iron Works, Westport, Baltimore, Md.
Concrete Steel Co., 42 Bway, New York
Hager C. & Sons, Hinge Mfg. Co. (Riveted & Nutted Angle Shank & Wrought T), 2447 De Kalb, St. Louis, Mo.
Hastings Foundry & Iron Works, Hastings, Neb.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Republic Structural Iron Wks. Division, 1350H E 53rd, Cleveland, Ohio
SMITH F. P. WIRE & IRON WORKS, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book

167—Andirons, Fenders & Grates

See also Fire Place Furnishings

Adams Co., Dubuque, Ia.
Bassill Louis Co. (Brass), 245 Cambridge, Boston, Mass.
Bigelow, Cheney Wire Works, 417 Liberty, Springfield, Mass.
Birmingham Stove & Range Co., Birmingham, Ala.
Boston Brass & Iron Co. (Brass), 83 Haverhill, Boston, Mass.
Bosworth-Ard Machine & Foundry Co., Anniston, Ala.
Bradley & Hubbard Mfg. Co. (Brass & Iron), Meriden, Conn.
Budd Grate & Fdy. Co., 2013 E Latterly, Phila., Pa.
Burr Co. (Cast Iron), Champaign, Ill.
Chattanooga Implement & Mfg. Co., Chattanooga, Tenn.
Chattanooga Roofing & Foundry Co., Dept. H, 22nd st., Chattanooga, Tenn.
Cheney S. & Son, Manlius, N. Y.
Colonial Fireplace Co. ("Colonial"), 4619-H Roosevelt rd, Chicago, Ill.
COVERT H. W. CO., 137 E 46th, New York
Downey T. F. Boiler Wks., 2600 W Grand av, Chicago, Ill.
Ferro-Studio Inc. (Andirons only), 228 E. 150th, New York.
Glascock Stove & Mfg. Co. (Portable Grates, etc), Greensboro, N. C.
Graf Frank H. Mfg. Co. (Brass, Bronze & Iron), 282 9th av., New York
Harriman Mfg. Co., Harriman, Tenn.
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
Hofft, M. A. Co. (Stoker), 814 Washington, Indianapolis, Ind.
Indiana Foundry Co. (Grates), Dept. H, Indiana, Pa.
JACKSON EDWIN A. & BRO., Inc. (Brass & Iron), 50 Beekman, New York
See adv index at end of book
Janusch Mfg. Co. (Brass, Bronze & Iron), 290 E. 135th, New York
Lilly Bros. Foundry (Basket & Air Tight), 2268 E. 15th, Los Angeles, Cal.
McKenny & Waterbury Co. (Brass & Iron), 181 Franklin, Boston, Mass.
New Albany Mfg. Co., Gates, New Albany, Ind.
Peerless Mfg. Co. Louisville, Ky.
Price-Evans Foundry Co., Anderson av., Chattanooga, Tenn.
Rostand Mfg. Co. ("Rostand" Brass & Iron), Milford, Conn.
SMITH F. P. WIRE & IRON WORKS, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Stover Mfg. & Engine Co. (Grates only, Brass & Iron), 106 Henderson, Freeport, Ill.
Twin Fire Furnace Co., 166 W. Jackson, Chicago, Ill.
United Iron Wks. (Boiler & Sidewalk Grates), Kansas City, Mo.
Valley Mould & Iron Corp., Dept. H, Sharpsville, Pa.
Withers Foundry & Machine Works, Atlanta, Ga.

168— Anemometers

Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Davis Instrument Mfg. Co., 112 W Fayette, Baltimore, Md.
Draper Mfg. Co., 45 Warren, New York
Du Vivier Ernest H. (Imp) (Dial & Recording), 30 Church, New York
Elliott B. K. Co. ("Biram's," etc), 126 6th, **Pittsburgh, Pa.**
Everhart Brass Wks., 422 Penn av, Scranton, Pa.
Green Henry J., 1191 Bedford av, Brooklyn, N. Y.
Gurley W. & L. E., Troy, N. Y.
Keuffel & Esser Co., Hoboken, N. J.
Precision Thermometer & Instrument Co., 1435 Brandywine, Philadelphia, Pa.
Queen-Gray Co., 64H W Johnson, Phila., Pa.
Taylor Instrument Companies ("Tycos"), Rochester, N. Y.
Wissler A., B'way & Washington av, St. Louis, Mo

169-70-1— Aneroids

Custer Specialty Co., 28 No. Ludlow, Dayton, O.
Gurley W. & L. E. (Surveying & Mining, etc), Troy, N. Y.
Precision Scientific Co., 820-822 S. Tripp av, Chicago, Ill.
Taylor Instrument Companies ("Tycos"), Rochester, N. Y.

172—*Angles & Bands (Trunk)

Continental Fibre Co. (Vulcanized Fibre), Newark, Del.
DELAWARE HARD FIBRE CO. (Hard Fibre), Wilmington, Del. Works: Marshallton, Del.
See adv index at end of book

172a— Angles (Steel)

LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book

J. K. LARKIN & CO.

253 Broadway
NEW YORK

172b—Angles & Channels (Monel Metal)

Doering & Son, Chas., 1375 W Lake, Chicago, Ill.
Furman Engineering Corp., 30 Church, New York
Hubbard & Co., Pittsburgh, Pa.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall st, New York. (See insert under Monel Metal)
See adv index at end of book
Koven & Brother, L. O., Jersey City, N. J.
Lawton Stephens Co., 427 Marcy av, Brooklyn, N. Y.
Metal Forming Corp., Elkhart, Ind.
National Ventilating Co., 337 E 26th, New York
Schaefer Co., Emil, Philadelphia, Pa.
Sholes, Inc., 186 Lafayette, New York
Standard Steel Sections, Inc., 610 E 133rd, New York

173—Aniline Colors, Dyes & Dyestuffs

Agawam Chemical Works, Grosvenor bldg., Providence, R. I.
Althouse Chemical Co., Reading, Pa.
Amalgamated Dyestuff & Chemical Wks., Inc., 75 Hudson, New York
American Aniline Products, Inc., 80 5th av, New York
American Dyewood Co., 100 E. 42nd, New York
Andreykovicz & Dunk (Imported), 58 N Front, Phila., Pa.
Arnold, Hoffman & Co., 55 Canal, Providence, R. I.
Ashley T. C. & Co., Atlantic av, Boston, Mass.
Atlantic Dyestuff Co., Ames bldg., Boston, Mass.
Atlas Color Works, Inc., 322 9th, Brooklyn, N. Y.
Atteaux F. E. & Co., 174 Purchase, Boston, Mass.
Atwood Frank W. (Imported), Boston, Mass.
Bachmeier & Co. ("Baco"), 438 W 37th, New York.
Bayer Co., 117 Hudson, New York
Berlin Aniline Works, 213 Water, New York
Bird J. A. & W. & Co., 348 Concord sq., Boston, Mass.
Bloede, Victor G. Co., Canton av, Baltimore, Md.
Bosson & Lane, Atlantic, Mass.
Breslauer A. (Dyestuffs & Industrial Chemicals), American Natl. Bk. bldg., San Francisco, Cal.
Bull's Ferry Chemical Co., Edgewater, N. J.
Butterworth-Judson Corp., 30 Church, New York.
Calco Chemical Co., Bound Brook, N. J.
California Ink Co., Dept. H, 4th & Camelia, Berkeley, Cal.
Calvert Aniline & Chemical Co., 225 Walnut, Cincinnati, Ohio
Campbell John & Co., 75 Hudson, New York
Central Dyestuff & Chemical Co., Plum Point Ia, Newark, N. J.
Chemical Co. of America, 46 Murray, New York
Ciba Co. Inc., 134 Cedar, New York.
Cincinnati Chemical Wks. Inc. (Synthetic Dye Stuffs), Evanston Station (Norwood), Cincinnati, Ohio
Cooper & Cooper Inc., 23-H Cliff, New York.
Dicks, David Co., Inc., 44 Watts, New York
Dow Chemical Co., Midland, Mich.
Ducas B. P. Co. (Imported), 25 S William, New York
Dunker & Perkins (Distributors), 287 Atlantic av, Boston, Mass.
DU PONT E. I. DE NEMOURS & CO. INC., Dyestuffs Dept., Wilmington, Del.
See adv index at end of book
Dye Prods. & Chemical Co., Inc., 200 Fifth av, New York
Earle & Co. (Imported), 59 4th av., New York
Eastwood Chemical Co. (Black Iron & Red Iron Liquor), Belleville, N. J.
Essen Aniline Works, So. Middleton, Mass.
Fergusson Alex Co., Jr., 474 Chestnut, Phila, Pa. *See adv index at end of book*
Fezandie Felix, 205 Fulton, New York
Fortner, Louis B. Co., 235 Dock, Phila., Pa.
Fuerst Bros. & Co. (Imported), 2 Stone, New York
Geigy Co., 89 Barclay, New York
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Hachmeister-Lind Chemical Co., Island & Leonard, Pittsburgh, Pa.
Heller, B. & Co. ("Royal Zest"), 3925 Calumet av., Chicago, Ill.
Heller & Merz Co., 503 Hudson, New York
Hine Bros. (Hydro Sulphur Dyes), 68 William, New York
Holland Aniline Co., Holland, Mich.
Hollingsworth & Peterson, Lafayette bldg, Phila., Pa.
Imperial Color Wks., Inc., Glens Falls, N. Y.
Imperial Dyewood Co., Glen Falls, N. Y.
Industrial Chemical Co., East Providence, R. I.
Innis, Speiden & Co., Inc., 46 Cliff, New York
Jamaica Dyewood & Chemical Co., 50 Church, New York
King E. & F. & Co. (Imported), 367 Atlantic av, Boston, Mass.
Klipstein A. & Co., 644 Greenwich, New York
Kuttroff, Pickhardt & Co., Inc. (Jobbers), 128 Duane, New York
Lengfelt F. H. & Co. (Imp.), 354 Woodward, New York
Levinstein I. & Co., 281 Franklin, Boston, Mass.
Lewis Jno. D. (Imported), 426 Atwells, Providence, R. I.
Leyland Thos. & Co., Readville, Boston, Mass.
Lieber H. & Co. ("Moussin" Saponine), 179 Pearl, New York
Marden, Orth & Hastings Co., 136 Liberty, New York
Metz, H. A. & Co., 122 Hudson, New York
Miller Frank Co., 349 W 26th, New York
Monroe Color & Chemical Co., Quincy, Ill.
National Aniline & Chemical Co., Inc., 40 Rector, New York
National Gum & Mica Co., 12 W. End av., New York
Neversink Dyeing Co., Inc., Reading, Pa.
Newport Chemical Works, Inc., Milwaukee, Wis.
New York Color & Chemical Co., Belleville, N. J.
Oakes Mfg. Co., Steinway, L. I. City, N. Y.
Obex Laboratories Co., Marietta, Ohio
Peerless Color Co., Bound Brook, N. J.
Pickering Geo. & Co., Elmira, N. Y.
Ransom, Lewis E. Co., 279 Pearl, New York
Reisig Chas. H., 269 Water, New York
Rice, Edward E. & Co. ("Edmund Ruch & Co." Imported), 620 Atlantic av Boston, Mass.
Seydel Mfg Co. (Furamine, Fur Dyes), 88 Forrest, Jersey City, N J.
Sherwin-Williams Co., Cleveland, O.
Sizing Specialties Co., Jersey City, N. J.
Sunbeam Chemical Co., 1401 W. Jackson blvd., Chicago, Ill.
Suter Eugene & Co., 160 B'way, New York
Sykes W. F. & Co. (Imported), 8 Lispenard, New York.
Thayer E. M. & Co. (Imp, Also Alizarine Colors), 36 Purchase, Boston, Mass.
United Indigo & Chemical Co., Ltd., 176 Federal, Boston, Mass.
U. S. Color & Chemical Co. (Mfrs. & Importers), 15 Customs House, Boston, Mass.
Wells & Richardson Co., Burlington, Vt.
Western Aniline Products Co. (Intermediates), Hammond, Ind.
Wetterwald & Pfister Co., 276 Spring, New York
Wetzel Fred, 200 E. 67th, New York
White John J., Inc., New Brunswick, N. J
White Rabbit Dye Co., 4236 Eastern av, St. Louis, Mo.
White Tar Aniline Corpn., 56 Vesey, New York
Williamsburg Chemical Co., 230 Morgan av, Brooklyn, N. Y.
Wolf Jacques & Co. (Black Dye), Passaic, N. J.
Worden Chemical Works, 4 Cedar, New York
Yale C. I. Mfg. Co., Yaleville, Conn.
Young, J. S. & Co., Hanover, Pa.
Zinsser Wm. & Co. (Imported), 195 William, New York

173a— Aniline Hydrochloride

Central Dyestuff & Chemical Co., Newark, N. J.
Ciba Co. Inc., 134 Cedar, New York.
Innis, Speiden & Co., Inc., 46 Cliff, New York
National Aniline & Chemical Co., Inc., 40 Rector, New York
Parker T. J., 132 Front, New York

173b— Aniline Oil Apparatus

Devine, J. P. Co., Buffalo, N. Y.
Hercules Engineering Corp., 300 Madison av., New York

173c— Aniline Plants

Buffalo Foundry & Machine Co., 65 Winchester av., Buffalo, N. Y.
See adv index at end of book

174— Annatto

Kerr J. E. & Co. (Importer), 15 Moore, New York.
Ransom L. E. Co. (Imp), 279 Pearl, New York

175— Annealers (Wire)

See also Furnaces, Annealing & Case Hardening

American Industrial & Engineering Co., 53 W Jackson blvd, Chicago, Ill.
Rockwell W. S. Co., 50 Church, New York
See adv index at end of book
Strong, Carlisle & Hammond Co., 1394 W 3rd, Cleveland, O.

Annealing

See Case Hardening; also Tempering to Order

Announcers (Stage)

See Carriage Calls, Electric

176— Annunciators

See also Signals, Hospital

Ansonia Electrical Co., Ansonia, Conn.
Auth Electrical Specialty Co., Ansonia, Conn.
BRYANT ELECTRIC CO., 1421 State, Bridgeport, Conn.
Bunnell J. H. & Co., 32 Park pl, New York
Chicago Railway Signal & Supply Co., 122-H S. Michigan av, Chicago, Ill.
Connecticut Telephone & Electric Co., Meridian, Conn.
Couch S. H. Co. (Couch "Colecto"), Norfolk Downs, Mass.
Edwards & Co., Exterior & 140th, New York
Electric Goods Mfg. Co. ("Ross," "Dandy," "Perfect," "Rival," "Noxall," etc), Canton, Mass.
Elevator Supplies Co., Hoboken, N. J.
Garl Electric Co. (Elevator, etc), Akron, Ohio
Hartung Chas. F. Co. ("Hartung Silent Call"), Higgins bldg, Los Angeles, Cal.
Holtzer-Cabot Electric Co. (Hospital, etc), Brookline, Mass.
Keil Francis & Son, 401 E 163d, New York
Knickerbocker Annunciator Co. (Lighting & Control for Elevators), 116 West, New York
Manhattan Electrical Supply Co., 17 Park pl, New York
Menominee Elec. Mfg. Co., Menominee, Mich.
Ostrander W. R. & Co., 371 B'way, New York
Patrick & Wilkins Co. ("King") 51 N 7th, Phila., Pa.
Railroad Supply Co., 203 S Dearborn, Chicago, Ill.
Samson Electric Co. ("Samson"), 237 Washington, Canton, Mass.
Spielman Elec. Co. ("Seco"), 311 W. 59th, New York.
Stanley & Patterson ("Premier," "De Veau" Electrical Reset & Gravity), 23 Murray, New York
Star Electric Motor Co., Miller & N. J. R. R., Newark, N. J.
United Electric Apparatus Co. (for Railway Signal Systems), 1529 Columbus av, Boston, Mass.

177—Annunciators (Automobile)

Cowles C. & Co. ("Madison Square" & "Mechanics Hall"), New Haven, Conn.
O'Brien Jos. F. Mfg. Co., 47 W. 63rd, N. Y.
Robertson-Cataract Electric Co., 126 S. Elmwood, Buffalo, N. Y.

178-9—Annunciators (Elevator)

See also Annunciators

Elevator Supplies Co., Hoboken, N. J.
Ostrander W. R. & Co., 371 Broadway, New York.
Stanley & Patterson, Inc., 23 Murray, New York

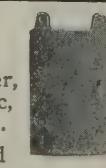
180—Anodes (Brass & Copper)

AMERICAN BRASS CO., Waterbury, Conn.
For branch offices see adv index at end of book
Apothecaries Hall Co., Waterbury, Conn.
BALTIMORE TUBE CO., Wicomico & Ostend, Baltimore, Md.
See adv index at end of book
Barker Bros., Inc., 327-329 Johnson st, Brooklyn, N. Y.
See adv index at end of book

Anodes

Nickel, brass, copper, bronze, zinc, gold, silver.

Guaranteed



Barker Brand

Barker Bros., Inc.
6 Leo Pl., Brooklyn, N. Y.

Bridgeport Brass Co. (Copper & Bronze), Dept. H, Bridgeport, Conn.
Buchanan Thos. Co., The, 114 W. Pearl, Cincinnati, Ohio
See adv index at end of book
Detroit Copper & Brass Rolling Mills, Clark av, nr Wabash R. R., Detroit, Mich.
Hanson & Van Winkle Co., 269 Oliver, Newark, N. J.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Hussey C. G. & Co. (Copper), 2850 2nd av, Pittsburgh, Pa.
L'Hommedieu Chas. F. & Sons, 4521 Ogden av, Chicago, Ill.
Matthews H. A. Mfg. Co., Seymour, Conn.
Michigan Copper & Brass Co., 1611 W. Jefferson av, Detroit, Mics.
Munning A. P. & Co., Mattawan, N. J.
National Metal Product Co. (Special Shapes), Athenia, N. J.
New Haven Copper Co. (Copper, Rolled Only), Seymour, Conn.
Randolph-Clowes Co. (Rolled), Waterbury, Conn.
Rome Brass & Copper Co. (Copper Anodes or Battery Plates for Electrotyping), Rome, N. Y.
Seymour Mfg. Co., Seymour, Conn.
Stamford Rolling Mills Co. Inc., Springdale, Conn.
Taunton-New Bedford Copper Co. (Copper), Taunton, Mass.
U. S. Electro Galvanizing Co., 36 Stockton, Brooklyn, N. Y.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

180a— Anodes (Bronze)

BALTIMORE TUBE CO., Wicomico & Ostend, Baltimore, Md.
See adv index at end of book
Barker Bros., Inc., 327-329 Johnson st, Brooklyn, N. Y.
See adv index at end of book
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
METAL PRODUCTS CO., INC., 549 W Washington blvd. Chicago, Ill.
Munning A. P. & Co., Mattawan, N. J.

181—Anodes (Gold & Silver)

Barker Bros., Inc., 327-329 Johnson st, Brooklyn, N. Y.
See adv index at end of book
Benson H. K. & F. S. (Platers' Granulated & Anode Silver), Glen Ridge, N. J.
Gracier S. B. Co., Inc., 608 Commercial, San Francisco, Cal.
Handy & Harman (Fine Silver), 59 Cedar, New York
Hanson & Van Winkle Co., 269 Oliver, Newark, N. J.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Hough W. S. Co., Dept. H, Attleboro, Mass.
Jackson John & Co., 158 Astor, Newark, N. J.
Ney, J. M., Co., Hartford, Conn.
Rich-Alloy Co., 13223 Euclid av, Cleveland, O.
United Wire & Supply Co., Elmwood Station, Providence, R. I.

182— Anodes (Nickel)

Am. Nickel Corp., Clearfield, Pa.
Apothecaries Hall Co., Waterbury, Conn.
Barker Bros., Inc., 327-329 Johnson st, Brooklyn, N. Y.
See adv index at end of book
Buchanan Thos Co., The, 114 W. Pearl, Cincinnati, Ohio
See adv index at end of book
Burns E. Reed ("Diamond"), 27 Jackson, Brooklyn, N. Y.
Hanson & Van Winkle Co., 269 Oliver, Newark, N. J.
HARSHAW, FULLER & GOODWIN CO., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
L'Hommedieu Chas. F. & Sons, 4521 Ogden av, Chicago, Ill.
Matthews H. A. Mfg. Co., Mill & River, Seymour, Conn.
Munning A. P. & Co., Mattawan, N. J.
Philipp Bros., Inc., 233 Broadway, New York
Roessler & Hasslacher Chemical Co., 709 6th av, New York.
See adv index at end of book
Seymour Mfg. Co. (Rolled & Cast), Seymour, Conn.
Stamford Rolling Mills Co. Inc., Springdale, Conn.
U. S. Electro Galvanizing Co., 36 Stockton, Brooklyn, N. Y.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y.
See adv index at end of book

183— Anodes (Zinc)

Apothecaries Hall Co., Waterbury, Conn.
Barker Bros., Inc., 327-329 Johnson st, Brooklyn, N. Y.
See adv index at end of book
Belmont Smelting & Refining Works Inc., (In any form), 328 Belmont av., Brooklyn, N. Y.
See adv index at end of book
Bennett-O'Connell Co., 3600 South Morgan, Chicago, Ill.
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Munning A. P. & Co., Mattawan, N. J.
National Metal Product Co. (Special Shapes), Athenia, N. J.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

183a— Antenna Radio

Gled Radio ("Gled"), 1212 Arch, Phila., Pa.
National Radio Co., Marshall, Minn.
Radio Corp. of Am., 64 B'way, New York
W-De-Co., Radio Mfg. Co. ("Warren" loop), Asbury Park, N. J.

183b— Anthracene

American Wood Preserving Co., 3743 N Marshfield av, Chicago, Ill.
American Tar Products Co. (Crude & Refined), 208 S La Salle, Chicago, Ill.
Barrett Company, 17 Battery pl, New York

184—Anti-Fluctuators (Gas Engine)

American Meter Co., 17th & Clearfield, Phila., Pa.

184a—*Anti-Friction Metals

See also Bearings of Various Kinds; also Babbitt Metal
BELMONT SMELTING & REFINING WORKS INC., (Belmont Brand, also other grades), 328 Belmont av., Brooklyn, N. Y.
See adv index at end of book
MAGNOLIA METAL CO., 113 Bank, New York *See adv index at end of book*
Union Smelting & Refining Co., 63 Park pl, New York

185— Anti-Hums

Bunnell J. H. & Co., 32 Park pl, New York
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Manhattan Electrical Supply Co., 17 Park pl., New York

186— Antimony

American Smelting & Refining Co., 120 B'way, New York
Belmont Smelting & Refining Works Inc., (All Brands, also powder), 328 Belmont, av., Brooklyn, N. Y.
See adv index at end of book
Blatchford E. W. Co., 230 N Clinton, Chicago, Ill.
Brooklyn Alloys Co. (Metals), 17 Walton, Bklyn, N. Y.
Chrystal Chas. B. Co. Inc., 13 Cliff, New York *See adv index at end of book*
Cooper & Cooper Inc. (Golden & Crimson), 23-H Cliff, New York
Dissosway Chemical Co. Inc. (& Potassium Tartrate), 55-63 Eckford, Brooklyn, N. Y.
Doggett Stanley (Imp, Golden & Crimson Sulphuret of), 11H Cliff, New York
Eagle Smelting & Refining Works (Imp.), 233 B'way, New York
Foote Mineral Co. (Imp.), 109 N. 19th, Philadelphia, Pa.
Frost F. W. & Co. Inc. (Imp.), 56 Beaver, New York.
Fuerst Bros. & Co. (Imported), 2 Stone, New York
Fulper Edw. B., Trenton, N. J.
Harshaw, Fuller & Goodwin Co. (Metal, Needle & Oxide), 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Hayman Mich'l & Co., 856 E. Ferry, Buffalo, N. Y.
Hooker Electro Chemical Co. (Trichloride Anhydryn, Pentachhide Anhydryn), 25 Pine, New York.
Hoyt Metal Co., Boatmen's Bank bldg, St. Louis, Mo.
International Mineral & Metal Corp., 61H Broadway, New York
Jacobson I. M. & Sons Co., 70 Catherine, Detroit, Mich.
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Lavino E. J. & Co. (Imp), Bullitt bldg, Phila., Pa.
Leavitt C. W. & Co., 34 Church, New York
See adv index at end of book

ANTIMONY
Agents Domestic and Foreign
C. W. LEAVITT & CO.
34 Church Street New York

Lissberger Marks & Son (Imp), 281 Borden av, Long Island City, N. Y.
MAGNOLIA METAL CO., 113 Bank, New York *See adv index at end of book*
Merchant & Evans Co., Washington av & 21st, Philadelphia, Pa.
Mitsui & Co. (Imptrs.), 65 B'way, New York
Murphy Metals Co., 327 S. La Salle, Chicago, Ill.
Nassau Smelting & Refining Works, 607 W 25th, New York
National Sales & Trading Co. (Crimson), Cleveland, O.
Naugatuck Chemical Co., Naugatuck, Conn.
Norden A. & Co. (Imp.), 60 Beaver, New York
Pacific Metal Works, 153H 1st, San Francisco, Cal.
Philipp Bro., Inc. (Imp.), 233 Broadway, New York
Powers - Weightman - Rosengarten Co. (Metal), 916-H Parrish, Philadelphia, Pa.
Reichard-Coulston Co. (Imp.), 95 Madison, **New York**
Selby Smelting Works, 201 1st, San Francisco, Cal.
Tennant C. Sons & Co. of N. Y. (Imp.), 19 W. 44th, New York
Trotter Nathan & Co. (Imp), 26 N Front, Phila., Pa.
Union Smelting & Refining Co. ("Usarco"), St. Charles, Newark, N. J.
United Smelting & Aluminum Co. (Jobbers), 183-189 Commerce, New Haven, Conn.
U. S. Reduction Co., East Chicago, Ind.
Vogelstein L. & Co., 43 B'way, New York
Wiarda Jno. C. & Co. (Diaphoretic, Metal, Needle, Oxide), 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

186a— Antimony Chloride

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Hooker Electro Chemical Co, (Tripenta, Anhydrous), 25 Pine, New York
Krembs & Co., 173 N. Green, Chicago, Ill.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Powers-Weightman-Rosengarten Co. (Solution), 916-H Parrish, Philadelphia, Pa.
Savell, Sayre & Co. Inc. (Anhydrous), Niagara Falls, N. Y.

187—Antimony (Needle & Crude)

Chrystal Chas. B. Co. Inc., 13 Cliff st., New York
See adv index at end of book
Cooper & Cooper Inc., 23-H Cliff, New York.
Earle E. P. (Crude), 165 B'way, New York
Fergusson Alex. C. Jr., 474 Chestnut, Phila. Pa. *See adv index at end of book*
Foote Mineral Co. (Imp.), 109 N. 19th, Philadelphia, Pa.
Frost F. W. & Co. Inc. (Imp.), 56 Beaver, New York.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Hummel & Robinson, 90 West, New York
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Leavitt C. W. & Co. (Broker), 34 Church, New York.
Mitsui & Co (Imp), 65 Broadway, New York
Nassau Smelting & Refining Wks., Ltd., 603 W 29th, New York
Norden A. & Co. (Imp.), 60 Beaver, New York
Philipp Bros. Inc., 233 Broadway, New York
Roessler & Hasslacher Chemical Co., 709 6th av, New York.
See adv index at end of book
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y.
See adv index at end of book

JOHN C. WIARDA & CO.
83 Provost St., Brooklyn, N. Y.
MANUFACTURING CHEMISTS

188— Antimony Oxide

Chrystal Chas. B. Co. Inc., 13 Cliff st., New York
See adv index at end of book

ANTIMONY
NEEDLE
OXIDE
Charles B. Chrystal Co., Inc.
13 Cliff St., New York Jersey City

Drakenfeld B. F. & Co., Inc., 50 Murray, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
(Continued on following page)

OIL-*of*-SALT

ANTISEPTIC—GERMICIDE

FIRST AID TO THE INJURED

A marvel in the treatment of BURNS, CUTS, BRUISES, etc. It is NON-IRRITATING and FOOLPROOF.

First Aid Cabinets are not complete that do not contain a bottle of Mosso's OIL-OF-SALT. Always ready for immediate use.

C. A. Mosso Laboratories Inc.

214 South Leavitt Street Chicago, Illinois

OIL-OF-SALT is used with positive results by government, city and fire department officials, and by hospital authorities in the general manufacturing and transportation fields.

You Need It

RELIEVES PAIN
PREVENTS INFECTION
CHECKS BLOOD FLOW
SAVES LABOR
SAVES TIME
SAVES MONEY

A request on your letterhead will bring a sample bottle free.

Antimony Oxide—Continued

Leavitt C. W. & Co., 34 Church, New York
See adv index at end of book
Philipp Bros., 29 B'way, New York
Roessler & Hasslacher Chemical Co., 709 6th av, New York.
See adv index at end of book
Vitro Mfg. Co. (White), H. Bessemer bldg, Pittsburgh, Pa.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y.
See adv index at end of book

188a— Antimony Oxymuriate

Merrimac Chemical Co., 148 State, Boston, Mass.

188b— Antimony Regulus

Atlas Chemical Co., Waltham, Mass.
Foote Mineral Co., 109 N. 19th, Philadelphia, Pa.
Frost F. W. & Co. Inc. (Imp.), 56 Beaver, New York.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book

188c— Antimony Salts

FERGUSSON ALEX. C., JR., 474 Chestnut, Phila. Pa. *See adv index at end of book*
Hachmeister-Lind Chemical Co., Island & Leonard, Pittsburgh, Pa.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Innis, Speiden & Co., Inc., 46 Cliff, New York
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.
Roessler & Hasslacher Chemical Co., 709 6th av, New York.
See adv index at end of book

189—Antimony (Sulphuret of)

Cooper & Cooper Inc., 23-H Cliff, New York.
Doggett Stanley, 11H Cliff, New York
FERGUSSON ALEX C. JR., 474 Chestnut, Phila., Pa.
See adv index at end of book
HARSHAW, FULLER & GOODWIN CO., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Hooker Electro Chemical Co. (Crimson), 25 Pine, New York.
Innis, Speiden & Co., Inc. (Imp), 46 Cliff, New York.
Pfaltz & Bauer (Imp), 300 Pearl, New York
RARE METAL PRODUCTS CO., (Mfrs.), Cortlandt st, Belleville, N. J.
Reichard-Coulston Co. (Imp.), 95 Madison av., New York
Rolls H. J., Ellicott Sq. bldg, Buffalo, N. Y.
Savell, Sayre & Co., Inc., Lewiston rd, Niagara Falls, N. Y.
Scheel Wm. H. (Imp.), 179 Water, New York *See adv index at end of book*
Smith Alfred, 15 E. 26th, New York
Uhlich Paul & Co. (Imp), 11 Cliff, New York
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y.
See adv index at end of book

189a—Antimony (Tribromide)

Dow Chemical Co., Midland, Mich.

189b— Antipyrine

Cooper & Cooper Inc., 23-H Cliff, New York.
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park pl, New York

189c— Anti-Rail Creepers

P & M Co. (The), ("P & M," "Vaughan," "Henggi"), 30 E. Jackson blvd., Chicago, Ill.

190— Anti-Rattlers (Rubber)

Goodrich B F (Rubber) Co., Akron, O.
United & Globe Rubber Co., Trenton, N. J.

191— Anti-Rattlers (Steel)

See also Couplers, Shaft & Pole

Evans & Coppins Co. ("Star Quick Shift"), Princeton, Ill.
Fernald Mfg. Co. (Steer-Aids, Auto Doors, etc.), North East, Pa.
Fernald Mfg. Co. ("Burton," "Quick Shift," "Ladd," "Fernald" & Wire Drive), North East, Pa.
Handy Mfg. Co. (Tie Rods, Steerling Arm, etc.), 15 Liberty, Grand Rapids, Mich.
Monarch Carriage Goods Co. ("Handy"), 2842 Spring, Cincinnati, O.
Searls Mfg. Co., 29 Mulberry, Newark, N. J.
Tanner D. F. ("Quick Shift"), Holland, N. Y.

192— Anti-Rattlers (Window)

Comles C. & Co., Water & Chestnut, New Haven, Conn.
Delaware Hard Fibre Co. (& Door, etc., Fibre), Wilmington, Del.
See adv index at end of book
Dill Mfg. Co. (For Sedan Cars), 634 E 82nd, Cleveland, O.
Elastic Tip Co., 370 Atlantic av, Boston, Mass.

192a— Antiseptics

See also Gauze (Surgical)

MOSSO C. A. LABORATORIES, INC. (Forty years ago we introduced OIL-OF-SALT to a few manufacturers. They used it, liked it, and bought more. Other manufacturers heard of it and likewise provided it for their factories. And so it grew in reputation. Today its use has spread to thousands of the largest manufacturers in the world, any of whom will testify to its merit as a practical, effective "First Aid" dressing. OIL-OF-SALT is harmless and non-irritating, yet offers every "First Aid" requirement in one bottle.) 214 S. Leavitt st., Chicago, Ill.
See adv index at end of book

193—Anvil, Vise & Drill Combined

See also Vises, Anvil, Combination

Bloomfield Mfg. Co. ("New Banner"), Bloomfield, Ind.
Bonney Forge & Tool Works, Tilghman av, Allentown, Pa.
Millers Falls Co., Dept. H, Millers Falls, Mass.

194— Anvil & Vise Combined

See also Vises, Anvil, Combination

Adams A. L., Cedar Rapids, Ia.
American Scale Co., 517 Delaware, Kansas City, Mo.
Bloomfield Mfg. Co., Bloomfield, Ind.
Bonney Vise & Tool Works ("Gipsey"), Allentown, Pa.
Columbian H'dwe Co., Cleveland, Ohio
Fisher & Norris ("Eagle"), Trenton, N. J.
Fulton Iron Works ("Cheney") 39 Franklin, Detroit, Mich.
Hollands Mfg. Co., 352-H E. 18th, Erie, Pa.
Hunt, Helm, Ferris & Co. ("Star"), Harvard, Ill.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Klauer Mfg. Co. ("Star"), Dubuque, Iowa.
Millers Falls Co. ("Millers Falls"), Dept. H, Millers Falls, Mass.
Parker Charles Co., Meriden, Conn.
Rock Island Mfg. Co. ("Rock Island" Semi-Steel), Rock Island, Ill.
Southern Skein & Fdry. Co., E. Lake, Chattanooga, Tenn.
Strickler Hay Tool Co., Janesville, Wis.
Yost Mfg. Co., Meadville, Pa.

195— Anvils (Bench, Etc.)

Bullock Mfg. Associates, Springfield, Mass.
Columbian H'dwe Co., Cleveland, Ohio
Fisher & Norris ("Eagle"), Trenton, N. J.
Millers Falls Co. ("Millers Falls" Solid Steel), Dept. H, Millers Falls, Mass.
Potts D. H., Lancaster, Pa. Anvils (Bench, etc.)
Rock Island Mfg. Co. ("Rock Island" Semi-Steel for Farm or Shops), Rock Island, Ill.
Williams A. C. Co. (Family, small, 7½ lbs), Ravenna, O.
Yost Mfg. Co., Meadville, Pa.

196—Anvils (Blacksmiths', Etc., Cast Iron)

American Skein & Foundry Co. ("Badger"), Racine, Wis.
Heller Brothers Co., 370 Mt. Prospect av, Newark, N. J.
Illinois Iron & Bolt Co. ("Vulcan"), Carpentersville, Ill.

197—Anvils (Blacksmiths', Etc., Imported)

Potts Horace T. & Co. ("Paragon," Swedish Steel), 318 N 3rd, Phila., Pa.
Wiebusch & Hilger (Peter Wright, Sole Selling Agent), 106 Lafayette, New York

198—Anvils (Blacksmiths', Etc., Steel)

Columbian Hardware Co. ("Columbian"), Cleveland, O.
Fisher & Norris ("Eagle," "Horseshoer," "Special"), Trenton, N. J.
Heller Brothers Co., 370 Mt. Prospect av, Newark, N. J.
Southern Skein & Foundry Co., E. Lake ("Southern Crescent"), Chattanooga, Tenn.
YOST MFG. CO., Meadville, Pa.

199—Anvils (Blacksmiths', Etc., Wrought)

American Wrought Anvil Co., 298 Union av, Brooklyn, N. Y.
Columbus Anvil & Forging Co. ("Arm and Hammer"), Columbus, O.
Columbus Forge & Iron Co. ("Trenton" Solid Wrought Iron), Columbus, O.
Heller Brothers Co., 370 Mt. Prospect av, Newark, N. J.

200— Anvils (Jewelers')

Dixon Wm. (Dirs.), 119 Fulton, New York.
Fisher & Norris ("Eagle"), Trenton, N. J.
Worthington & Raymond ("Optimus," "W. & R"), 71 Murray, New York

201— Anvils (Paper Weight)

Wrightsville Hardware Co., Wrightsville, Pa.

202— Anvils (Plow & Farm)

Columbian H'dwe Co., Cleveland, Ohio
Fisher &.Norris ("Fisher"), Trenton, N. J.
Howell, W. H. Co., Geneva, Ill.
Iron City Tool Works, Ltd., 3201 Smallman, Pittsburgh, Pa.
Millers Falls Co., Dept. H, Millers Falls, Mass.
Rock Island Mfg. Co. ("Rock Island" Semi-Steel), Rock Island, Ill.

203— Anvils (Saw Makers')

Columbus Anvil & Forging Co., Columbus, O.
Covel Mfg. Co., Benton Harbor, Mich.
Disston Henry & Sons, Tacony, Phila., Pa.
Fisher & Norris, Trenton, N. J.
Potts Horace T. & Co. ("Paragon" Swedish Solid Steel), 313 N 3rd, Phila., Pa.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.

204—Apparatus for Making Rubber Stamps

Smith R. H. Mfg. Co., 369 Worthington, Springfield, Mass.

205— Apparatus (Gymnastic)

Medart Fred Mfg. Co., St. Louis, Mo.
Narragansett Machine Co. ("Standard"), Providence, R. I.

206— Applicators (Surgeons)

Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Safety First Supply Co., 107 3rd av, Pittsburgh, Pa.
Stiles H. A. & Co. (Tongue), 166-174 Portland, Boston, Mass.
See adv index at end of book

206a—Appraisers (Factory, Etc)

American Appraisal Co., Stroh bldg, Milwaukee, Wis.
Appraisal Engineering Corp., 428 Grand av, Milwaukee, Wis.
Baxter A. E. Engineering & Appraisal Co., Ell sq, Buffalo, N. Y.
Coats & Burchard Co., 21 W Elm, Chicago, Ill.
Ford, Bacon & Davis, Inc., 115 B'way, New York
General Appraisal Co., 403H Marion, Seattle, Wash.
Green Samuel M. Co. Inc., Springfield, Mass.
Honolulu Iron Works Co. (Sugar & Industrial Plants), 233 Broadway, New York
INDUSTRIAL PLANTS CORP. (Specialists in the liquidation of Plants and Stocks; Machinery and Industrial Equipment. Our appraisals may save you money in taxes or investments. We have twenty years' experience in this work and offer you the benefit of our wide experience. Your request will bring a representative anywhere, any time), 25 Church st, New York
See adv index at end of book
Lloyd-Thomas Co., 4411 Ravenswood, Chicago, Ill.
Mfrs.' Appraisal Co., 18 S. 7th, Philadelphia, Pa.
National Appraisal Co., 261 Franklin, Boston, Mass.
Rau Appraisal Co., 4413 Ravenswood, Chicago, Ill.
Schuttler H. Carl, 731-H Spitzer bldg, Toledo, Ohio.
United States Appraisals Co., 161 Summer, Boston, Mass.

207— Aprons (Advertising)

Bemis Bro. Bag Co., 601 S 4th, St. Louis, Mo.
Hettrick Mfg. Co., Toledo, Ohio
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Trager Chas., 2203 1st av, Seattle, Wash.

207a— Aprons (Asbestos)

Asbestos Materials Co., Millington, N. J.
Farnam F. D. & Co. ("Weldor" for Welders), 359 Wells, Chicago, Ill.
Holcomb Safety Garment Co. (also Leather & Fireproofed Duck), 14 S Jefferson, Chicago, Ill.
Keasbey & Mattison Co. ("Kaynum"), Ambler, Pa.
Wheeler F. H. Mfg. Co., 215 W Huron, Chicago, Ill.

208—Aprons (Buggy & Carriage)

Adams E. B. & Son, Racine, Wis.
Buob & Scheu, 216 Webster, Cincinnati, O.
Cretors J. B. ("Superior"), St. Paris, O.
Hettrick Mfg. Co., Toledo, Ohio
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Martin Auto Specialty Co. ("Martin"), Lancaster, O.
Monarch Carriage Goods Co., 2842 Spring, Cincinnati, O.
Racine General Mfg. Co. (Jobbers "Standard" Adjustable), Racine, Wis.
Safe Storm Shield Co., Fremont, O.
Sioux City Iron Co., Sioux City, Iowa
Vehicle Top & Supply Co. (Adjustable, "Comfort," "Interlap"), 3414 Lindell av, St. Louis, Mo.
Walter Bros., Dallas City, Ill.

209—Aprons (Canvas, Duck, Etc.)

Bemis Bro. Bag Co., 601 S 4th, St. Louis, Mo.
Canvas Leather Specialty Co. (Canvas), 757 Cass, Trenton, N. J.
Carpenter Geo. B. & Co., 434 North Wells, Chicago, Ill.
See adv index at end of book
Fulton Bag & Cotton Mills (Butcher, Carpenter, Wagon, etc.), Atlanta, Ga.
Hettrick Mfg. Co., Toledo, Ohio
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Imperial Mfg. Co. (Butchers', Waiters', Carpenters', Mechanics' & Waterproof, etc), Dayton, O.
Perfection Mfg. Co., 2701 Montclair, St. Louis, Mo.
Seattle Tent & Awning Co., Postal Tel. bldg., Seattle, Wash.
Stanley Wm. W. (Canvas Waterproof), 62 White, New York.
Wheeler F. H. Mfg. Co. (Waterproof), 215 W Huron, Chicago, Ill.
Willard Mfg. Co. (Carpenters' and Mechanics'), St. Albans, Vt.

Aprons (Carpenters')

See Aprons, Canvas, Duck, Etc.

210-11— Aprons (Condenser)

Chicago Rawhide Mfg. Co., The, 1307 Elston, Chicago, Ill.
See adv index at end of book
Norwich Belt Mfg. Co., Norwich, Conn.

212— Aprons (Leather)

Atlantic Mfg. Co., Wilmington, Del.
California Tanning Co. ("Boss", "Dandy" Blacksmith, Lumberman, etc), 1905 Shenandoah av, St. Louis, Mo.
Chicago Hand Leather Co., 326 River, Chicago, Ill.
Chicago Rawhide Mfg. Co., The, 1307 Elston, Chicago, Ill.
See adv index at end of book
Firth Wm., 200 Devonshire, Boston, Mass.
Graton & Knight Mfg. Co. (Worsted), 244 Franklin, Worcester, Mass.
See adv index at end of book
Groezinger's G. Sons ("Helvetia"), Lancaster, Pa.
Hudson Belting Co. ("Sheepskin"), 3 Eaton pl, Worcester, Mass.
North Chelmsford Machine & Supply & Supply Co., North Chelmsford, Mass.
Pechin Belting Co. ("None-Such"), Orchard & Torsdale, Phila., Pa.
Turner J. S. Mfg. Co. (For Woolen & Worsted Machy.), Lowell, Mass.
Wheeler F. H. Mfg. Co., 215 W Huron, Chicago, Ill.

213-4— Aprons (Mechanics')

See also Aprons, Canvas, Duck, etc.
See also Aprons, Leather

Alligator Clothing Co. ("Alligator" Water Proof Army Olive & Black), 4171 Bingham, St. Louis, Mo.
B. E. Mfg. Co. ("Bemco"), 18 W. 18th, New York
Hettrick Mfg. Co., Toledo, Ohio
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Imperial Mfg. Co. (Muslin & Duck), Dayton, O.
Specialty Mfg. Co. (Heavy Duck), 2362 University av, St. Paul, Minn.
Troy Carriage Sun Shade Co. (Duck & Twill Carpenters' & Workmen's), Troy, O.

Aprons (Mill)

See Aprons, Rubber

215— Aprons (Rain)

Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Imperial Mfg. Co., Dayton, O.
Kroh C. Z. Mfg. Co., Toledo, O.
Riley John F. Fndry. & Mach. Co., Charleston, S. C.

216— Aprons (Rubber)

Barker Bros., Inc. (Acid Proof), 327-329 Johnson st., Brooklyn, N. Y.
See adv index at end of book
Boston Belting Corp., 80 Elmwood av, Boston, Mass.
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Davol Rubber Co. ("Baxter" Cloth Lined), 69 Point, Providence, R. I.
Goodrich, B. F., Rubber Co., Akron, O.
Goodyear Rubber Co. & Rubber Clothing Co., 787 B'way, New York
Home Rubber Co. (For Fourdrinier Paper Machines), Trenton, N. J.
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Pennsylvania Rubber Co., Jeannette, Pa.
Sharon Leather & Rubber Co., Sharon, Pa.
Snyder M. L. & Son, 223 Church, Phila., Pa.
Stern Specialty Co. ("Utility"), 40 E. 22d, New York

Aqua Fortis

See Acid, Nitric

216a— *Aquamarines

DIAMOND DRILL CARBON CO., 59 Park Row, New York
See adv index at end of book

217— Aquariums (Glass)

Co-Operative Flint Glass Co., Beaver Falls, Pa.
Fiske J. W. Iron Works (Glass & Iron), 111 Park pl, New York.
McLaughlin Glass Co. (also globes), 1900 E. 52nd, Los Angeles, Cal.

218—Arbors (Chuck, Lathe, Milling Machine, Etc.)

Alert Tool Co. ("Alert" Roller Grip Steel), 1321 W. Tioga, Phila., Pa.
Ampco Twist Drill & Tool Co., 18th & Howard, Detroit, Mich.
Braunsdorf-Mueller Co. (Lathe), Elizabeth, N. J.
Brown & Sharpe Mfg. Co. (Milling Mch.), Providence, R. I.
Clark-Mesker Co., 18511 Euclid av, Cleveland, O.
Cleveland Milling Mach. Co., 18521 Euclid av, Cleveland Ohio
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O. *See adv. Index at end of book*
Cochrane-Bly Co. (Milling Mch), Rochester, N. Y.
Collis Co., Clinton, Iowa.
Detroit Twist Drill Co., 555 Fort, Detroit, Mich. *See adv index at end of book*
Garvin Machine Co. (Milling Mch), 147 Varick, New York
Jacobs Mfg. Co. (For "Jabs" Drill Chucks), 894 Park, Hartford, Conn.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
National Tool Co. (Screw), Madison av & L. S. & M. S. Ry., Cleveland, O.
See adv index at end of book
National Twist Drill & Tool Co., Detroit, Mich.
New Britain Tool & Mfg. Co., 10 Harvard, New Britain, Conn.
Nielson-Barton Chuck Co., 106 Jefferson, Chicago, Ill.
Pratt Chuck Co., Frankfurt, N. Y.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Reed-Prentice Co., 677 Cambridge, Worcester, Mass.
Skinner Chuck Co., New Britain, Conn.
Sommer & Adams Co., 18511 Euclid av, Cleveland, O.
Standard Tool Co., 6700 Central av, Cleveland, O.
Union Mfg. Co. ("Union"), 300 Church, New Britain, Conn.
Union Twist Drill Co. (Lathe, Milling Machine, etc), Athol, Mass.
WHITMAN & BARNES MFG. CO., Akron, O. *See adv index at end of book*

219— Arbors (Saw)

See also Mandrels, Saw

American Saw Mill Machinery Co., Hackettstown, N. J.
American Wood Working Machinery Co., Rochester, N. Y.
Atkins E. C. & Co., 402 S. Illinois, Indianapolis, Ind.
Badger Gas & Gasoline Engine Co., Kansas City, Kan.
Camden Forge Co., Camden, N. J.
Chase Turbine Mfg. Co., Orange, Mass.
Covel Mfg. Co., Benton Harbor, Mich.
Crucible Steel Co. of America ("La Belle" Steel), Oliver bldg, Pittsburgh, Pa.
Deane Machine Co., Fitchburg, Mass.
Disston Henry & Sons, Tacony, Phila., Pa.
Erie Forge Co., Erie, Pa.
Glascock Stove & Mfg. Co., Greensboro, N. C.
Goodell-Pratt Co., Greenfield, Mass.
Hall & Brown Woodworking Machine Co., 1929-33 N Bway, St. Louis, Mo.
Hemingway Machine Co., Lynn, Mass.
National Woodworking Machine Co., Dover, N. H.
Ohlen Bishop, 931 Factory, Columbus, O.
Pollak Steel Co., Cincinnati, O.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Southern Saw Works, East Point, Ga.
Welch T. F. Co., 55 Sudbury, Boston Mass.
Wright Chas. E. Co., Kenilworth, N. J.

220— Arbors (Shell Reamer)

Ampco Twist Drill & Tool Co., 18th & Howard, Detroit, Mich.
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O. *See adv. Index at end of book*
Gisholt Machine Co., Madison, Wis.
McCrosky Tool Corp., Dept. H, Meadville, Pa.
Morse Twist Drill & Machine Co., ("Morse"), New Bedford, Mass.
National Twist Drill & Tool Co., Detroit, Mich.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Reiff & Nestor Co. (Straight & Taper Shank), Lykens, Pa.
Rogers John M. Works, Gloucester City, N. J.
Standard Tool Co., 6700 Central av, Cleveland, O.
Union Twist Drill Co., Athol, Mass.

221-2—Arc Deflectors & Controller Linings

Rutherford J. & Son ("Star" Deflector), Akron, O.

Arc Lamp Cord

See Cords, Trolley, Arc Lamp & Bell

Arches (Boiler)

See Brick, Boiler Arch

223— *Archil

Innis Speiden & Co., Inc., 46 Cliff, New York.
Sergeant E. M. Co., 13 E. 26th, New York.
Wiarda John C. & Co. (Extract, English), 83 Provost, Brooklyn, N. Y.
See adv index at end of book

224— Architects

ALABAMA.

ANNISTON—Poundstone, O. C., Caldwell bldg.
AUBURN—Biggin Frederic, Polytechnic Institute
BIRMINGHAM—Anderson Frank Hartley, Jeff. Co. Bk. bldg.
Breeding, H. D., Watts bldg.
Brodie T. L. (Church Work), Jeff. Co. Bk. bldg
Burnham B. B., Jeff. Co. Bk. bldg.
Denham-Van Keuren & Denham, Jeff. Co. Bk. bldg.
Gehred Geo., Cham. of Com.
Greene J. E. (Church Work), 1204 13th av, N.
Halstead J. C., Cham. of Com.
Kroman M. Louis, Age Her. bldg.
Mauro Francesco, 1st Nat. Bk. bldg.
Mewhinney, Woodward bldg.
Miller & Martin, Title Guar. bldg.
Price Bern, Jeff. Co. Bk. bldg.
Sabie J. E., Empire bldg
Warren Knight & Davis, Empire bldg.
Welton William Leslie, American Trust bldg
Wheelock H. B., Steiner bldg
Whilldin D. O., Title Guarantee bldg
HUNTSVILLE—Love Edgar L.
MOBILE—Dowey Alois H., 111 S. Franklin
Hayes Chas A., Terminal Sta.
Hutchisson, C. L., Emanuel bldg.
Rogers Geo. B., Van Antwerp bldg
Slater Edward H., 2 E of Pleasant la
MONTGOMERY—Ausfeld Fred'k, Bell bldg
Galliher C. F., First Nat. Bank bldg.
Lockwood & Poundstone.
Okel & Cooper, Vandiver bldg
TUSCALOOSA—Ayres C. M.

ARIZONA.

PHOENIX—Claflin H. B.
Creighton & McDonald
Fitzhugh, L. M.
Gray R. A.
Lescher & Mahoney
Norton W. R.
Pheby, Geo. E.
Tobey, Curtis
Wallingford, V. O.
TUCSON—Bray Wm.

ARKANSAS.

FORT SMITH—Chisholm, A. C., 801 Garrison av
Dawson Chas. W.
Haralson & Nelson.
Klingensmith A., Merchants' Nat'l Bank bldg
Reddick J. H.
HOT SPRINGS—Beaty C. N.
Hart Frank J. W.
Horn J. G.
JONESBORO—Mitchell T. Edison
LITTLE ROCK—Almand John Parks
Blaisdell Frank M.
Bliss J. H.
Dill Wm.
Ferrell C. A.
Gibb, Frank W. & Co.
Mann & Stern
Sanders & Ginocchio.
Thompson & Harding
Watts Charles
PINE BLUFF—Selligman Mitchell
ROGERS—Clarke A. O.
TEXARKANA—Moore Stewart
Witt, Seibert & Co.

CALIFORNIA.

ALHAMBRA—Visser John, 1st National Bank bldg.
BAKERSFIELD—Biggar C. H.
Clark O. L.
Saffell J. M.
BERKELEY—Gillam & Buckingham, 1826 Euclid
Officer Gwynn, Berkeley Bk. bldg
Plachek Jas. W., 2014 Shattuck
Ratcliff W. H., Jr., 1st Nat'l Bank bldg
Steilberg Walter T., 1 Orchard Lane
Thomas Jno. Hudson, 1st Nat'l Bank bldg
BISHOP—Clements G. C.
CHICO—Bryan A. J.
Cole Chester
CHULA VISTA—Fill S. M.
CORONA—Kroonen Leo (& Builder)
EUREKA—Ackerman Newton
Burke E. J.
Georgeson F. T.
FRESNO—Coates & Traver, Rowell bldg
Felchlin R F Co., T. W. Patterson bldg
Glass & Butner, Cory bldg.
Hotchkin R. B., Rowell bldg
Johnson Anton
Kump E. J., Rowell bldg
Mathewson E., Cory bldg
Peterson Edward
Swartz & Ryland (& Structural Mgrs.), Rowell bldg
FULTON—Shriver J. B. (& Builder)
LONG BEACH—Austin W. H.
Kahrs G. W.
Lindsay F. L.
Lochridge H. H.
LOS ANGELES—Acker Arthur L., Douglas bldg
Allen & Hillier, Bk. of Italy bldg
Allen David C., Hibernian bldg
Allen William, Union Bk. bldg
Allison & Allison, Hibernian bldg
Angel Arthur W., 3404½ Whittier bldg
Angelus Architectural Serv. Co., 321 W. 3rd
Architectural & Eng. Co., Story bldg.
Ashley & Evers, Mtge. Guar. bldg
Austin John C. & Ashley Fred M. Inc., Detwiler bldg
Banfield H. M., Bryson bldg
Barber, Wm., Story bldg.
Barker M. L., 1505 N Western
Barker M. L., Van Nuys bldg
Barrett H. J. Reed, Metrop. Thtr. bldg
Bean Henry E., Central bldg
Benton Arthur B, 1548 Sunset blvd
Bergstrom, Edwin, Cit. Nat. Bank bldg
Bixby B. B., Union Bank bldg
Bloser B. J., Cons. Realty bldg
Boller Bros., Douglas bldg
Bordeaux Wm. D., 116 Temple
Borgmeyer Edw. J., California bldg
Bountetheau H. DuPont Title Ins. bldg
Brown S. H., Union League bldg
Chambers H. C., Hibernian bldg
Chido Jos., 2131 Sunset blvd
Coate Roland E, Union Bk. bldg
Colonial Homebuilding Assn., Inc., Metrop. Thtr. bldg
Cooper J. M., Marsh-Strong bldg
Coulter D. Wesley, 121½ N Larchmont blvd
Cramer Bartlett & Wise, Morrison bldg
Crist A. B., 6654 Hollywood
Cross, Harold, Mer. Nat. Bk. bldg.
Curlettt & Beelman, Un. Bk. bldg.
Davis Pierpont & Walter S., 3215 W 6th
Deckbar H. C., Wright & Callender
DeLario John L., 2684 Beachwood dr.
DeLongchamps Fred J., Chapman bldg
Dodd Wm. J. & Richards Wm., Brack shops
Donnellan James J., Lissner bldg
Dorn, F. R., 112 W 9th.
Edelman & Barnett, H. W. Hellman bldg
Eisen P. A., Pac. Finance bldg
Engineering Service Co., Wash'n bldg
Erkes Walter E., Bradbury bldg
Evans Gregory R., 2320 Ocean View
Falkenrath Rudolph, Jr., Detwiler bldg
Farquhar, Robt. D., Sec. bldg.
Farrell & Miller, Western Mutual bldg
Farwell Lyman, Laughlin bldg
Fleming & Williams, 323 S. Western
Fowley & March, 1544 N. Western
Frankfurt H. D., 1096 N Western
Frauenfelder Jno. J., Story bldg
Freese Ernest I., Laughlin bldg
Gable & Wyant, 634 S. Western
Gable Geo. E., 634 S. Western
Garden City of Cal., 3215 W. 6th
Genser Harry, Hibernian Bk. bldg
Grey, Elmer, Bank of Italy bldg
Haley A. L., 335 S. Hill
Hanief W. S., 630 S. Western
Hawes Arthur W., Bk. of Italy bldg
Hebbard W. S., I. W. Hellman bldg
Heineman Arthur S., San Fernando bldg
Herding, Franz, Cit. Nat. Bk. bldg
Hewitt Harwood, Van Nuys bldg
Holbrook Rolland H., 7419 Sunset
Holloway Chas. S., 1032 N. Western
Howard G. A., Jr., 610 S B'way
Hubby R. Germain, 6442 Hollywood
Hudson Asa, Beverly Hills
Hudson Frank D., Douglas bldg
Hudson Welby H., 6372 Hollywood
Hunt & Burns, Laughlin bldg
Hunt Myron, Hibernian bldg
Hutchason Arthur K., Van Nuys bldg
Hutchison Chas. M., Security bldg
Jeffrey & Schaefer, 560 S. Main.
Jewell Thomas, Pac. Finance bldg
Johnson H. S., L. A. Ry. bldg
Johnson-Kaufman & Coate, Union Bk. bldg
Johnson Reginald D., Union Bk. bldg
Jones Leonard L., Grosse bldg
Jones Roy L., 5893 Moneta
Kaufmann Gordon B., Union Bk. bldg
Keim T. B., Haas bldg
Kelly Arthur R., Van Nuys bldg
Kibbey, John R., Loew's State bldg
Kieffer R. J., 3950 W. 6th
King R. D., Van Nuys bldg
Kistner T. C. & Co., Pantages Thtr. bldg
Kitts Robert J., 7872 Monica sta
Kitts W J., Story bldg
Knauer H. J., Story bldg
Krempel & Erkes, Bradbury bldg
Krucker Frank G., 307 S. Hill
Kunst J. E., Higgins bldg
Kyson Charles H., 6034 Hollywood blvd
Lansburgh G. Albert, Hillstreet bldg
Larfield G. G., Byrne bldg
Larralde John A., Stock Exchange bldg
Lee W D., Sun bldg.
Leicht A. F., 462 W. Vermont
Levi S. Charles, Douglas bldg
Lindsey Geo. N., Lankershim bldg
L. A. Architectural Staff & Stone Co., 5155 Sta. Monica
Lumbermen's Service Ass'n., 326 W. 3rd.
MacDonald Kenneth, Jr., Brack Shops
Major & Stacy Judd, 6036 Hollywd.
Marsh Norman F., B'way Central bldg
Marston Mott M., San Fernando bldg
Martin A. C., Higgins bldg
Martin Emmet G., Cit. Nat. Bk. bldg
Mayberry Edw. L., Pac. Elec. bldg
Merrill Everett H., 3981 W. 6th
Miller Irving C., 714 S. Hill
Mitchell Roy C., City National Bk. bldg
Monaca Armand R., 116 Temple
Monaco & Bordeaux, 116 Temple
Montgomery Ross G., Story bldg
Morgan, Walls & Morgan, Van Nuys bldg
Munsell W. A. O., Douglas bldg
Munson Arthur C., Story bldg
Neher Otto H., Marsh-Stg. bldg
Nibecker A. S., Jr., Washington bldg
Noerenberg & Johnson, L. A. Ry. bldg
Norberg Edwin P. & Chas. E., Union Bk. bldg
Norton, F. J., 539 Flower
Norton S. Tilden, 716 S. Spg.
Noyes, F. A., Jr., California bldg
O'Brien Arthur H., Marsh Stg. bldg
Orr, Robt. H., Corporation bldg
Pape P. C., Central bldg
Parcher Eilet P., 6719 Hollywood
Parker Llewellyn A., P. E. bldg
Parkinson Jno. & Donald B., Title Insurance bldg
Patterson H. M., O. T. Johnson bldg
Paul Andrew G., 1518 W. 7th
Pennell W. C., Pac. Finance bldg
Pettit Theo. H., Wright & Callender bldg
Phillips Lucius A., 3872 W. 6th
Phillips Walter B., Ferguson bldg
Picken David F., 5617 Hollywood
Pierce Harry L., Wright-Call bldg
Plummer Chas. F., Story bldg
Postle Co., Van Nuys bldg
Power T. F., Tajo bldg
Priest A. F., Fay bldg
Priteca B. Marcus, Pantages Theatre bldg
Rally Lloyd, Wr. & Call bldg
Rea & Garstang, 215 W. 6th
Risley Winchton Leamon, 736 S. Flower
Rittenhouse C. C., Wilcox bldg
Rogelmair Anthony L., 358 New High
Rosenheim A. F., Pacific Mutual bldg
Rosenthal A. B., Orpheum bldg
Roth John J., 7060 Hollywd.
Ruoff & Munson, Story bldg
Ruppenthal Chas. C., 2075 W. Washn.
Russell & Alpaugh, Story bldg
Rust, E. B., Black bldg.
Ryan H., Lankershim bldg
Saunders W. J., Laughlin bldg
Schultze & Weaver, Pacific Mutual bldg
Sedgley Arlos R., Cit. Nat. Bk. bldg
Sharpe H. Percy, Lankershim bldg
Shattuck C. E., Mason bldg
Sherlock & Kitts, 7872 Sta. Monica
Sherlock Homes, 7872 Sta. Monica
Skidmore Wm. L., Lissner bldg
Skilling, C. F., Bradbury bldg.
Smith, John C., H. W. Heller bldg.
Smith, Loy L., Higgins bldg
Soper, F. J., Kerchoff bldg
Spaulding, Sumner Maurice, Hibernian bldg
Spink Chas. R., 5878 Hollywood
Squires Lester T., 607 S Oxford
Stacy-Judd Robt. B., 6030 Hollywood
Starrett & Payne, Western Mutl. bldg
Staunton W. F., Jr., Hibernian bldg
Stillwell E. W. & Co., California bldg
Sturges R. B. & Co., 4317 W. 2nd
Swasey McNeal, Hibernian bldg
Taylor Edward C., 713 W. 8th
Taylor Edward Lloyd, Citizens' Nat'l Bk. bldg
Thorne, Edwin C., 321 W 3d
Train & Williams, 321 W. 3rd
Truesdell Clifford A., Jr., San Fernando bldg
Tyler Frank M., 634 S. Western
Underwood Gilbert Stanley, I. W. Hellm. bldg
Van Rensselaer O H., 6406½ Sunset
Verge Gene, 358 New High
Vernon & Vernon, Roberts bldg
Walker & Eisen, 301 S. Western
Wallis Frederick H., 716 S. Spg.
Watson Loyall F., Bank of Italy bldg
Webber Staunton & Spaulding, Hibernian bldg
Webber Walter, Hibernian bldg
Webster Chrysler Co., 6372 Hollywood
Weeks & Day, Loew's State bldg
Werner Harry E., 1414 Burton Way blvd
Weston Joseph, Hollywood Sec. bldg
Whittlesey Chas. F., 6533 Hollywood
Williams Paul R., Stock Exch. bldg
Williams Wm. T., Laughlin bldg
Winslow Carleton Monroe, Van Nuys bldg
Withey Henry F., 405 S. Western
Witmer & Watson, Wm. & Call bldg.
Witmer David J., Bank of Italy bldg
Woollett Wm. Lee, Pacific Mutual bldg
Wyant C. Stanley, 634 S Western
Zimmerman A. C., San Fernando bldg
Zeller J. T., Currier bldg

MERCED—Cowell & Bedeson
MODESTO—Mourot Julien, 812 15th
NAPA—Corlett W. H. (& bldr)
Turton L. M.
OAKLAND—A. A. A. Architectural Service, Synd. bldg
Bancroft Roy F., Hotel St. Mark
Barker Edward T., Syndicate bldg
Cannon E. W., Central Bk bldg
Corlett Will G., Oak Bk. Sav. bldg
Denke, A. R., Dalziel bldg
Dickey C. W., 312 Oakland, bk. of Savings bldg
Donovan John Jos., Pacific bldg
Fouldes Edw. T., 357 12th
Knowles Wm., Central Bk. bldg
McCall C. W., Central Bank bldg
Mathews W. J., 927 B'way
Miller & Warnecke, 414 13th
Miller Chester H., 1st Sav. Bk bldg
Milwain, W. E., Albany bldg
Morrow & Garren, Dalziel bldg
Newsom Sidney B. & Noble, 1024 Warfield
O'Brien Geo., Bacon bldg
Reed & Corlett, Oak. Bk of Sav
Ruggles & McKee, 1429 Broadway
Schirmer Bugbee & Co., 577 14th
Schroder Howard, 357 12th
Slocombe & Harvey, Hotel St. Mark
Smith A. W., 1004 B'way
Warnecke Carl I., 414 13th
Yelland W. R., 414 13th
ORANGE—Bradshaw C. B.
PASADENA—Bennett, J. Cyril
Blick Jos. J.
Buchanan & Brockway
Driscoll Chas. F.
Greene & Greene
Greene Henry M.
Hobbs Raymond
Hodson Garvin
Johnson Reginald D.
Kennedy, F. H. Jr.
Marston & Van Pelt
Millar Louis du P.
Palmer F. E.
PETALUMA—Jones Brainerd
POMONA—Higgs P. F.
Wolfe Chas. E.
REDLANDS—Harris F. T.
Willard Daniel W.
RICHMOND—Narbett J. F.
RIVERSIDE—Pillar S. L.
Waldman L. C.
SACRAMENTO—Dean & Dean, City Library
Foale F. A. S., Ochsner bldg
Harrison F. S., People's Bk. bldg
Hemmings & Starks, Ochsner bldg
Herold R. A., Forum bldg
Petersen J. C., People's Bk. bldg
Seadler Eugene J., Mitau bldg
Sellon G. C. & Co., Mitau bldg
Starks L. F., Ochsner bldg
Widdowson A. R., Mull bldg
Woollett & Lamb, Mull bldg
SAN BERNARDINO—Beimer Anthony
Bruner, C. C.
Griggs G. W.
Harris F. T., 206 Katz bldg
SAN DIEGO—Allen F. P., Jr., Watts bldg
Banning Edwin T., Bancroft bldg
Gill Louis P., Owl Drug bldg
Hamilton A. J., Spreckels bldg
Hoffmann Eugene M., Spreckels bldg
Johnson W. Templeton, Timken bldg
Kistner Theodore C., Am. Nat'l Bank bldg
Loveless I. E., Comnwlth. bldg
Quayle Bros., Spreckles bldg
Raymond Robt S., Security Bk. bldg
Requa & Jackson, 614B
Rogers & Stevenson, Spreckels bldg
Rogers Lincoln, Spreckels bldg
Siebert John S., 1363 5th
Vawter John T., Owl Drug bldg
Wheeler W. H., Spreckles bldg
SAN FRANCISCO—Ahmden J. H., 460 Montgomery
Applegarth G. A., Claus Spreckels bldg
Appleton A., 1st Nat Bank bldg
Armitage W H., Call bldg
Ashley & Evers, 58 Sutter
Bakewell & Brown, 251 Kearney
Baumann H. C., 251 Kearney
Beezer Bros., Bush & Steiner
Berger G. A., 261 Valencia
Bertz E. B., 68 Post
Beuttler John F., 110 Sutter
Blaisdell Nathaniel, 255 California
Bliss & Faville, Balboa bldg
Blohme J. Harry, 454 California
Bolles Edw. G., 233 Post
Branner John K., 251 Kearney
Bruce Morris M., Flood bldg
Buckley Vincent, Monadnock bldg
Bugbee Arthur S., Sharon bldg
Bugbee M. G., 619 Washington
Burgren Albert W., 30 Woodland av
Cantin A. A., 68 Post
Carey Jno. W., Mer. Nat'l B'k bldg
Cauldwell A., 251 Kearny
Clausen Chas. O., Hearst bldg
Coffey Alfred I., Humboldt Bk. bldg
Collins Henry C., 1st Nat. Bk. bldg
Connor, T. E., 110 Sutter
Cornelius A. W., Merchants National Bank bldg
Coulter Norman R., 46 Kearney
Coxhead & Coxhead, Hearst bldg
Crim W. H. Jr., 425 Kearney
Curlett Wm. & Son, Phelan bldg
Dalton V. N., Foxcroft bldg
deColmesnil George, Chronicle bldg
Denke E. H., 1317 Hyde
Devlin Chas J. I., Pacific bldg
Devlin Leo J., Pacific bldg
Dickie D. W. & R. Z., 112 Market
Dickie Jas., 112 Market
Dolliver J. W., 201 Sansome
Eames Edw. A., 454 California
Edwards Thos. M., 833 Market
Evans Oscar E. & Co., 2569 Mission
Fabre Albert J., 110 Sutter
Fairweather J. Stewart, Balboa bldg
Falch W. C., Hearst bldg
Fantoni Chas., 550 Montgomery
Farr Albert, 68 Post
Faville William B., Balboa bldg
Foley, John J., 770 5th av
Foulkes Edw. T., Crocker bldg
Freeman J. Eugene, Kohl bldg
Garren Wm. I., Chronicle bldg
Gebhardt Wm. H., French Bank bldg
Glass Edward, Underwood bldg
Gottschalk Chas E., Phelan bldg
Gould J. S., 544 Market
Gunnison W. F., 57 Post
Gutterson Henry H., 278 Post
Hayne B. S., 593 Market
Hays Wm. C., First Nat. Bk. bldg
Headman Aug. G., New Call bldg
Heimann S., 57 Post
Hildebrand E. H., 68 Post
Hind W. G., Hearst bldg
Hirschfeld Benj. S., 74 New Mtgy
Hladik J. C., Monadnock bldg
Hobart Lewis P., Crocker bldg
Horstmann A. J., 110 Sutter
Houghton Vernon W., 275 Post
Howard Geo. H., Lick bldg
Howard Henry Temple, 1st Nat. Bk. bldg
Howard Jno. G., 1st Nat Bank bldg
Hurst Lester W., 278 Post
Huson Willis E., Chronicle bldg
Hyman S. L., Crocker bldg
Irvine Richard R., Call bldg
Jacobs Alfred Henry, 110 Sutter
Jewett Grace, 57 Post
Johnson Albin R., 742 Market
Jorgensen Mark T., 110 Sutter
Jorgensen Virgil W., 55 New Mtg
Jose Edward, 251 Kearny
Joseph B. J., 74 New Montgomery
Kaiser Chas. S., Mech. Inst. bldg
Kelham Geo. W., Sharon bldg
King Walter, 74 New Montgomery
Klinkhardt Geo. R., Kohl bldg
Knoll A. H., Hearst bldg
Knowles Wm., Hearst bldg
Krafft & Sons, Phelan bldg
Kuhn & Edwards, 833 Market
Kuhn Alfred, 833 Market
Lake H. Rafael, 55 New Montgomery
Lansburgh G. Albert, 709 Mission
Latham Milton, 454 Montgomery
Lenzen Theo. W., Humboldt Bank bldg
Lowe, Willis C., 681 Market
Lyon M. J., 916 Kearny
McCrea George E., 369 Pine
McDougall Benj. G., 381 Bush
McNally Cornelius S., 661 Golden Gate
Masten & Hurd, 278 Post
Masten C. F., 68 Post
Mathews E. A. & H. G., Simpson Call bldg
Mathews Edgar A., Call bldg
Maybeck, Howard & White, Lick bldg
Meussdorffer Conrad A., Humboldt Bank bldg
Meyer & Johnson, 742 Market
Meyer Fred H., 742 Market
Meyers Henry H., Kohl bldg
Miller & Pflueger, Lick bldg
Miller C. H., Call bldg
Miller J. R., Lick bldg
Miller, W. J., 417 Market
Minton Henry A., 244 Kearney
Mooser Wm., Nevada Bank bldg
Morgan Julia (Miss), Merchants' Ex. bldg
Morrow & Garren, Chronicle bldg
Murdock Hamilton, 425 Kearny
Neumarkel E. A., 1566 O'Farrell
Newman W. A., 7th & Mission
Newsom Archie T., 14 Montgomery
Newsom Sidney B. & Noble, Nevada Bank bldg
Norberg & Hayne, 593 Market
Norberg E. L., 742 Market
Nordin August, Mills bldg
O'Brien Bros., 240 Montgomery
O'Brien Matthew, Foxcroft bldg
O'Brien Smith, 742 Market
Osborn Harris, Hearst bldg
Osborne E. J., Balboa bldg
Parker Walter H., 57 Post
Patterson Daniel J., 46 Kearny
Perry W. C., 260 California
Pflueger, Timothy L., Lick bldg
Politeo M. V., 1st Nat. Bk. bldg
Polk Willis & Co., Hobart bldg
Porparato Jno. A., 619 Washington
Powers Jno. H., 1st Nat Bank bldg
Quandt Fred'k W., Humboldt Bk. bldg
Reid Bros., 105 Montgomery
Reid Jno. Jr., 1st Nat. Bk. bldg
Reid Merritt J., 105 Montgomery
Riedy D. A., Pacific bldg
Righetti P., Phelan bldg
Roeth Chas. F. B., 1st Nat. Bk. bldg
Rogers Chas. E. J., Phelan bldg
Ross Thos. Patterson, 310 California
Sawyer Houghton, Hearst bldg
Schmidlin M. A., Monadnock bldg
Schmidt Herbert A., 251 Kearny
Schmolle W. L., Russ bldg
Schnaittacher Sylvan, 233 Post
Scholz Arthur G., Phelan bldg
Schreyer Benj., 105 Montgomery
Schroepfer Albert, Nevada Bank bldg
Schwartz M. I., 14 Montgomery
Sexton Norman W., 454 California
Sharp Ed. M., 60 Sansome
Shea & Shea, Chronicle bldg
Shea Frank T., Chronicle bldg
Shea Wm. D., 244 Kearny
Sheldon, M. A., 110 Sutter
Shermund Henry, Hearst bldg
Simpson Horace G., French Bank bldg
Smith Henry C., 755 Market
Stahlberg G., 544 Market
State Board of Architects, Phelan bldg
Steilberg Walter T., Flatiron bldg
Stern Alvin J., 742 Market
Stevens H. S. & Co., 433 California
Stewart J. L., 703 Market
Stoner Harold G., 1st Nat. Bk. bldg
Stringham Roland I., 260 California
Sumner C. K., 57 Post
Symmes Edwin J., 1st Nat. Bk. bldg
Tantau Clarence A., 251 Kearny
Thayer O. R., 110 Sutter
Thayer, J. C., 703 Market
Topeke Will H., 924 Market
Traphagen O. G., 244 California
Upton Louis M., 452 Montgomery
Ward & Blohme, 454 California
Ward Clarence R., 454 California
Ward J. Francis, 68 Post
Warnecke Carl I., 74 New Montgomery
Weeks & Day, 315 Montgomery
Weeks Chas Peter, Phelan bldg
Weeks Wm. H., 75 Post
Welsh & Carey, Merchants National Bank bldg
Werner Carl, Humboldt Bank bldg
Winner H. H. Co. (Bank), Cunard bldg.
Wright & Rushforth, 354 Pine
Young Edw. E., 251 Kearny
Zanolini Italo, 604 Montgomery
SAN JOSE—Binder & Binder, 255½ S 1st
Lenzen Louis T., 110 S 2d
Page Geo. W., Rea bldg
Phillips W. C., 163 N 18th
Skillings Warren, Garden City Bank bldg
Wolfe & Higgins, Auzerais bldg
SAN RAFAEL—Schlosser Henry
SANTA ANA—Eley Frederick H.
DeSnell, George E., 1923 Delawana.
SANTA BARBARA—De Snell, George E., 19-3 Delaware
Soule, Murphy & Hastings.
Soule Winsor, 1206 Staten Island
Wilson Francis W.
SANTA CLARA—Higgins Wm. E.
SANTA CRUZ—Van Cleeck E. L.
SANTA MONICA—Cross C. C. & Son
SANTA ROSA—Cowles Louis
STOCKTON—Allen Glenn
Brown E. B.
Davis-Heller-Pierce Co., Delta bldg
King Walter
Losekann Joseph
Morrell R. P.
Sala Peter
Stone & Wright, S. J. Val Bank bldg
Warner Franklyn E., Belding bldg
Wright W. J.
Young & Jeffery
UPLAND—Greenleaf E. T.
VALLEJO—Jones W. A.
VISALIA—Weaver Morve L.

COLORADO.

BOULDER—Holmes, David H.
Saunders, Arthur E.
COLORADO SPRINGS—Barber, T. P., 1st Nat'l Bank bldg
McLaren & Hetherington, Hagerman bldg
Thomas C. E., Hagerman bldg
DENVER—Anthony H. P., Tramway bldg
Architects' Small House Service Bureau, 1735 Front
Baerresen V. E., 1118 Lincoln
Benedict J. B., 1669 B'way
Bettcher George L., Empire bldg
Biscoe M. B. & W. E. & A. A. A. Fisher, U. S. National Bank bldg
Bowman W. N., Central Savings Bank
Buell Temple H., U. S. Nat. Bk. bldg
Child W. T., Evans blk
Cooper & Desjardins, Arapahoe bldg
Cowe Wm., 1420 Humboldt
Edbrooke H. W. J., Opera House blk
Edwards W. Harry, 1172 Stout
Fallis M. S. Architect Co., Ideal bldg
Fisher, Wm. E., & Arthur, United States National bldg.
Frewen Frank W., Jr., Patterson bldg
Fuller Robert K., Foster bldg
Gardner J. M. & Co., 1718 California
Gates Chas M., 1729 Champa
Gove & Aaron M., 1608 B'way.
Groves Eugene G., A. C. Foster bldg
Hoyt, H. M., Colorado National Bank bldg.
Huddart John J., Eng. Bank blk
Huntington G. W. Co., 312 17th
Manning Harry J., Majestic bldg
Marean & Norton, Ch. of Com. bldg
Moorman E. H., Railroad bldg
Mountjoy & Frewen, Patterson bldg
Musick G. Meredith, Guardian Tr. bldg
Norton Albert J., Chamber of Commerce bldg
Phillips Richard, Jacobson bldg
Pierce R. A., 830 18th
Redding Wm. & Son, Opera Hse bldg
Smythe W R., 1608 B'way
Stephen Chas., Engineers' bldg
Varian & Varian, Gas & Elec. bldg
Walsh, Thomas F., Boston bldg.
Wieger T. Robt., Cham. of Com. bldg
Williamson Geo. H., Majestic bldg
Willison Robert, 200 Enterprise bldg
Wilson & Wilson, Commonwealth bldg.
Wilson Arthur S., 3331 Osceola
ESTES PARK—Rogers H. C.

(Continued on following page)

Architects—Continued

COLORADO—Continued
FORT COLLINS—Fuller M. W.
GRAND JUNCTION—Jenkins, Branscombe & Romberg (& Engineers)
LONGMONT—Viney B. C.
MONTROSE—Antrobus John H.
NEW WINDSOR—Felmlee Oscar R.
PUEBLO—Cooper Francis W.
Gile J. M.
Roe Geo. W.
Stickney W. W.
TRINIDAD—Rapp I. H. & W. M. & Hendrickson A. C.

CONNECTICUT.

BRIDGEPORT—Asheim Leonard, 211 State
Beckwith F. H., P. O. Arcade
Caldwell Edward B., Jr., 836 Main
Cooper F. A., 83 Fairfield av
Davis & Dane, 1024 Main
Fletcher-Thompson, Inc., 1089 Broad
Koerner Harry E., 64 State
Mallett, Geo. A., Co., 95 Catherine
Northrop Jos. W., 211 State
Pedersen P. Lavard, 60 Huntington
Schmidt William 1188 Main
Skinner Walter J., 1188 Main
Southey, Ernest G., 983 Broad.
Vannucci, Joseph L., 1024 Main.
Walker C. W., West Broadstratford
Ziroli O. C. J., 211 State.
BRISTOL—Crowley Daniel F., 192 Main
Hayden Harold A., 175 Main.
Records & Rice, 170 Main.
Sperry & Buell.
Unkelback Max J., 162 Main
DANBURY—Blackman W. B.
Foster Bros. (& Builders)
Larson, Nils, 13 Crosby.
O'Dell, Edw. C., 29 James.
Rowe, Frank E., 81 White.
Sunderland & Watson
EAST HADDAM—Morgan Geo. W.
GREENWICH—Anthony Daniel
Smith F. G. C.
HARTFORD—Allen Isaac A., Jr., 100 Farmington av
Barker Russell F., 43 Ann
Berenson & Moses, 1026 Main
Brooks W. F., cor Lewis & Gold
Guerriero Daniel A., 1029 Main
Johnson, W. D., 174 Bond
Luce Cortlandt F., West Hill
Marchant Wm. T., 36 Pearl
Marchetti J. E., 721 Main
Sellew B. A., 721 Main
Smith & Bassette, 36 Pearl
Walz F. C., 407 Trumbull
Waterman Francis E., 88 Collins
Whitmore Chas. O., 75 Pratt
Whiton & McMahon, 803 Main
Wiley Edw. T., 75 Pratt
Zunner Geo., 182 High
MERIDEN—Arnold Walter T., 3 Colony.
Bloomfield David.
MacKenzie & Lots, 16 W. Main.
MYSTIC—Rathbone John S.
NAUGATUCK—Clark F. Alton
NEW BRITAIN—Crabtree Walter P.
Ludorf H. H.
McCarthy John J.
Oldershaw, F. H.
Oldershaw L. A.
Palmer C. C.
Perry, Delbert K.
Unkelback, Max J.
NEW HAVEN—Abramowitz Chas. H., 42 Church
Allen Wm. H., 82 Church
Bariffi, Martin, 746 Chapel
Brown & Von Beren, 185 Church
Cannici Harry S., 82 Church
Coe, Ernest F., Edgewood av.
Fabian Robert W., 147 Bradley
Foote R. W., 185 Church
Goff, Louis J., Jr., 20 Lettney pl.
Gray, Geo. H., 42 Church
Joy Chas. E., 116 Whalley av
Nichols Geo., 439 Edgewood av
Norton & Townsend, 405 Temple
Palmer C. S., 114 Whitney av
Shiner & Appel, 185 Church
Smith Dwight E., 445 First av
Townsend C. F., 405 Temple
Weinstein Jacob, 356 Ellsworth
Williams Richard, 1838 Whitney
NEW LONDON—Bilderbeck & Langdon, Inc., 253 State
Conway L. Eugene
Donnelly D. St. C.
Goddard, Louis H., 36 State
Meisner, Geo., 56 State
Payne E. Griswold
Sweeney James
NEW MILFORD—Parfitt Bros., R. F. D. Northville
Rowe Frank E.
NORWALK—(See South Norwalk)
NORWICH—Cudworth & Thompson
Hiscox Jas. A.
PUTNAM—Corbin E. M.
RIVERSIDE—Morse Geo. L.
ROCKVILLE—McCray J. Henry
SOUTH NORWALK—Hoyt Dudley E.
Maring Herman
Mather, Harry W. 94 Washington,
Minor Henry B.
Paddock A. N.
STAFFORD SPRINGS—Tinker, Clifford A.
STAMFORD—Andersen Clais
Butler & Provost, 292 Main
Freeman, Geo. A., 292 Main
Emmens & Abbett
Wohlpart, Adolph, 292 Main
TORRINGTON—Hunt, Wm. H.
Rochster Theodore Arnold
Waterbury Edwin H.
WALLINGFORD—Becroft Wm. E.
WATERBURY—Bailey Chas. J., 63 Bank
Benedict E. E., 51 Leavenworth
Freney & Jackson, 51 Leavenworth
Green, Samuel M., Co., 293 Bridge
Peck Theo. B., 65 Bank
Preston, Charles H., Jr., 144 Bank
Smith Joseph T., 36 N Main
Walsh Louis A., 51 Leavenworth
Webster, Fred F., 51 ... Main
WEST HAVEN—Richards B. F., 65 Main
WILLIMANTIC—Sharpe A. R.

DELAWARE.

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Kennedy John J., Ford bldg
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Goodwin John M., 1200 U, N W
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Milburn, Heister & Co., Union Sav. Bk bldg
Miller Otho. Harvey, McLachlen bldg
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Rodier Gilbert L., 1415 K, N W
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Roulean Louis T., 1106 Vt. av, N W
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Smith Marshall J., Colorado bldg
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Stead Manning F., Contl. Trust bldg
Stern David L., 468 La. av, N W
Tepper Isaac, Cont. Trust bldg
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Totten G. Oakley Jr., 808 17th, N W
Upman Frank, Woodward bldg
Van Valkenburg Carlton, Home Life bldg
Vogt & Didden, 1404 H, N W
Walker Robert C., 1416 K, N W
Warwick Harvey H., 721 10th, N W
Wenig, Julius, Wash. Ln. & Trust bldg
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Wilson A. Hamilton, 1353 N, N W
Wood Waddy B., 816 Conn. av, N W
Woodson Vaugh & Ferguson

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BRADENSTOWN—Johnson J. H.
CLEARWATER—Avery Lester
COURTENAY—Rummell Richard W., jr.
DAYTONA—Espedahl Jacob
Gove S. H
Rogers, John A.
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DE LAND—Cairns John, Dreka bldg
EUSTIS—Armsby Chas. L.
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JACKSONVILLE—Benjamin & Greeley, Bisbee bldg
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Greeley & Benjamin.
Greeley Mellen C., 111 W. Adams
Holmes Geo. O., 135 East Bay
Holmes Rutledge, Duval bldg
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MacDonough G. M.
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Mendenhall H. D.
Poteet A. J., Hardin bldg.
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LAKE WORTH—Childs G. Sherman
Garnett C. E.
LEESBURG—Carr W. H.
LEMON CITY—Pfeiffer Geo. L.
MIAMI—Buckley, Ashbury W.
Bullen John N.
DeGarmo Walter C.
Fink H. Geo.
Geiger August.
Hampton Martin L.
La Pointe Henry
Lewis A. E.
Mayer G. E., Hippodrome bldg
Mundy H. H.
Newell Frank V., 1108 Av A
Nolan E. A.
Preas R. A.
Reimert R. R. Jr.
Sculthorpe John H.
Sherwood John N.
Taylor Robert A.
OCALA—Hall E. E.
MacKay Geo.
Moughton E. J.
ORLANDO—Bodine F. V.
King Murry S., Bank of Orange bldg
Krug Geo. Edw.
Ryan Ida Annah.
Trimble F H, Hand bldg
Tyler Gerald R.
PALM BEACH—Harvey Henry S.
Kitchell Bruce P.
Mizner Addison.
Wyeth M. S.
PENSACOLA—Alfred W. W.
Frederick W. C.
Hoy Henry T.
Welch S. J.
Willis W D.
PUNTA GORDA—Price Max Chas.
ST. AUGUSTINE—Henderich F. A.
Hollingsworth F. A.
McCarrell Henry.
ST. PETERSBURG—Benjamin M. E.
Carpenter Wm. J.
Dupont Henry H.
Feltham George, J. B. Smith bldg
Ferdon & Feltham.
Ferdon Edgar, 342 Central av
Ferdon & Feltham
McClarren S. T.
Pfau A. L., Jr.
Ritchie, Parsons & Taylor.
Shull William S., Independent bldg
Stewart George W., Wood's bldg
Wendell Herman R.
TAMPA—Adams F. O., Jr.
Bonfoey B. C.
Curtis F M
Elliott M. Leo.
Fort L. A.
Gambier Richard B.
Iredell Leslie N.
James Fred J.
Johnson A. H.

Johnson J. H.
Kennard Francis J.
Parslow F. D.
TAVARES—Williams Arthur L.
WEST PALM BEACH—Ballard Agnes.
Eckler W. B.
King Wm. M.
Ohlhaber Wm.
Williams, O. J., 221 Clematis av.
WEST TAMPA—Biggar J. W.

GEORGIA.

ALBANY—Fenter, S. R.
Murphy, Jas. T
Reidy, M. J.
ATHENS—Orr Fred. J.
ATLANTA—Bealer & Biggers, Grant bldg
Beutell R. L., Healey bldg
Bleckley Haralson, Esq., Walton bldg.
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Burgee & Stevens, 140 Peachtree
Butterfield W. H., Hurt bldg
Campbell Thos. M., Hurt bldg
Chase Wm. J. J., 140 Peachtree
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Conklin & Mitchell, Candler anx
Cooksey John A. Jr., Candler anx
Dallis Park A., 6 W. Harris
Danieil & Beutell, Healey bldg
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Edwards & Sayward, Chamber of Commerce bldg.
Everett, A. F. N., Candler bldg.
Frazier C. E., Candler bldg
Hamilton N. S., Savings Bank bldg
Havis Barney W., Cit. & Sou. Bk. bldg
Hentz, Reid & Adler, Candler bldg
Hill Lodowick J., Jr. (& Engr.), Atlanta Nat. Bk. bldg
Hoffman J. Leon, Candler anx
Hopson Chas. H., Healey bldg
Ivey & Crook, Candler bldg
Lockwood & Poundstone, Forsyth bldg.
MacEachron, J. R., 124 Ely
Marye, Alger & Alger, Walton bldg
Morgan & Dillon, Grant bldg
Powell Warren C., Candler bldg
Preacher G. Lloyd, Healy bldg
Pringle & Smith, Atl. Tr. Co. bldg
Robert & Co., 251 Ivy
Robinson Arthur N., Candler bldg
Smith, De Ford, Grant bldg.
Snow Raymond C. & Co., Hurt bldg
Southwell O. J., Haas-Howell bldg
Trowbridge S. D., Forsyth bldg
Wachendorff E. C., Chamber of Commerce bldg
Wilburn Miss L. R., Peters bldg
AUGUSTA—Irvin Willis, Lamar bldg
Preacher C. G. Lloyd, Empire bldg.
Scroggs & Ewing, Empire bldg.
Story & Clark, Leonard bldg.
BRUNSWICK—Anderson Wm. C.
CAIRO—Stewart Merry Sidney, Roddenby Block
COLUMBUS—Duncan, F. Roy
Hickman, C. F.
Lockwood T. F.
Martin, John Catlett, Jr., Exchange bldg.
Smith T. W. & E. O.
EASTMAN—Hosford, Edward C.
MACON—Blair, Alexander
Dennis P. E.
Ellis C. R.
Happ & Shelverton
MOULTRIE—Fulwood, C. W., Jr., Commercial bldg.
ROME—Rawlins H. A., 3 E 3rd av
Smith Hine
SAVANNAH—Kops Julian D., 47 Drayton
Wallin Henrick & Comer Arthur F., 23 Abercorn
VALDOSTA—Greer Lloyd
WASHINGTON—Chafin J. B.

IDAHO.

BOISE—Fennell James A.
Hummel C. F.
Wayland Chas. W.
BUHL—Nisbet B. Morgan, 10 Milner bldg.
CALDWELL—Soule Thomas H.
COEUR D'ALENE—Williams & Williams, 1st Ex. Nat. Bk. bldg.
IDAHO FALLS—Aitken Chas. C. & Shupe
Earl Launcelot M., Jr.
Fisher & Aitken
McGrew, F. L., Dill-Winn bldg.
Thornton H. Newton, Smith bldg.
LEWISTON—Epling Emery
Loring Ralph S.
Nave J. H., 610 8th.
Richardson C., New Idaho Tr. bldg.
NAMPA—Dutcher Ogden
PAYETTE—Walker J. R.
POCATELLO—Boyer J. B., P. O. Box 38
Grundfor M.
McSweeney A. McF.
Onderdonk C. B.
Paradice Frank H. Jr, 219 Portneuf bldg
REXBURG—Sundberg & Sundberg
ST. ANTHONY—McGrew F. L.
Tomaselli Louis
TWIN FALLS—Gates Ernest H.
Morse Burton E.
Nesbitt B. Morgan
WEISER—Felker L. J.

ILLINOIS.

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ALTON—Maupin Jas. M., Commercial bldg
Pfeiffenberger, Geo. D., 102 W 3rd
Stelle Oliver G., Leaverett bldg
ANNAWAN—Hay Mark
ANTIOCH—Jyrch, Karl, Petite Park
ATKINSON—Chapler Elijah C.
AURORA—Gray, Frank B., 1st Natl, Bk bldg.
Holden, B. E., Main
Maimer, Eugine, 97 W Park
AUSTIN—Floto Julius
BLOOMINGTON—Miller Geo. H.
Moratz Arthur F.
Pillsbury Arthur L.
Simmons Aaron T.
CAIRO—Kusener, Casper, 1907 Washington av
CARBONDALE—Dipple, Geo. F.
Thompson, Thos. S.
CARTHAGE—Payne, Edgar A., 429 Main
CHAMPAIGN—Clark Chas. R.
Hubbard, Willis W., 425 Robeson bldg.
Kratz Elwin V., 315 S. State.
Pankow, C. J.
Ramey, Geo. Ed., Robeson bldg.
Temple & Berger, Lincoln bldg
CHARLESTON—Maxwell, Benj. R., 411 Harrison av
Mitchell, Chas. D., Mitchell bldg.
CHICAGO—Aarens Harry B., 109 N Dearborn
Abell Ralph E., 232 E Erie
Ablamowicz S., 2937 N Talman av
Ablamowicz S. V. & M. F. Winiarski, 1859 W Chicago av
Ahlschlager Walter W., 65 E. Huron
Allen A. P., 225 N. Mich. av
Allen Jos. Roy, 64 Van Buren
Allison, Lyman J., 115 S. Dearborn
Almquist Carl M., 118 N La Salle
Alschuler Alfred S., 28 E Jackson bl
Alterie Louie, 59 E Van Buren
Andresen Theo., 643 Barry av
Anis Albert, 64 W Randolph
Ansel, Anton, 5047 Cullom av
Apfelbach Henry J., 952 N Michigan
Architects Service Bur., 5 N La Salle
Armstrong Jno. A., 127 N Dearborn
Armstrong W. Scott, Inc., 137 S La Salle
Aroner J. S., 25 E Jackson blvd
Ashby Ashby & Schulze, 1511 W Jackson blvd
Ashby, Wilbert B., 178 W Jackson blvd.
Bankers' Archl. & Eng. Co., 122 S. Michigan blvd
Barfield Wm. G., 58 W Washington
Barrett Fred L., 4411 N Kedzie av
Barry Byrne & Ryan Co., 104 S Michigan av
Barthel Bernard, 127 N Dearborn
Beck H. Frederic, 159 E Ontario
Beck, Willis J., 1221 Leland av
Beers Herbert P., 53 W Jackson
Behrns, Elmer F., 605 N Michigan
Bein Maurice L., 64 W. Randolph
Beman Spencer S., 108 S La Salle
Bendus Wm. Q. & Co., 332 S Michigan blvd
Bennett Edw. H., 30 E Jackson blvd
Bennett, Wm. Arthur, 117 N. Dearborn
Benson, Arthur E., 5520 Glenwood av
Benson, Edward, 5520 Glenwood av
Berlin & Swern, 19 S La Salle
Bernham, Felix M., 4630 Prairie av
Bernhard Wm., 879 N State
Betts & Holcombe, 155 N Clark
Bishop Thos. R., 35 S Dearborn
Bjork David T., 118 N La Salle
Blondin Edward A., 4 W Garfield blvd
Blouke Pierre, 721 N Michigan av
Bollenbacher J. Carlisle, 108 S La Salle
Bouchard Louis C. & Co., 30 N Dearborn
Bowen Howard, 549 W Washington
Braband, Frank J. E., 901 Wrightwood av
Brabant Gifford, 2717 N Kedzie av
Brand Herbert A., 111 W. Washington
Branitzky W. Thos., 184 W Washington
Braucher Ernest N., 10 N Clark
Braun, Isadore H., 19 S. La Salle
Braun, Wm. T., 64 E. Van Buren
Breidert O. H., 720 N Michigan blvd
Brielmaier & Son, 179 W Washington
Bright Jasper T., 155 N Clark
Bristle, Jos. H., 5660 Ridge av
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Bruns Benedict J., 1548 Belmont av
Brydges E. N., 5 N La Salle
Buck Lawrence, 64 E Van Buren
Buck Niels, 3123 N Clark
Buckett Arthur C., 936 N Michigan
Bullock E. C. A., 190 N State
Bureau of Ecclesiastical Architecture, 721 N Michigan av
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Burnham Hubert, 160 N La Salle
Burns Jas., 64 W Randolph
Byrne Francis B., 104 S Michigan av
Cable Max L., 415 N Western av
Cady Jeremiah Kiersted, 17 N La Salle
Cahn David H., 39 S State
Capraro A. V., 64 W Randolph
Carnegie Wm. G., 189 W. Madison
Carpenter Martin R., 72 W. Washington
Carr Geo. W., 122 S. Michigan
Cauley Frank W., 7710 N Marshfield
Cenek Robt. R., 127 N Dearborn
Cerny Jerry J., 1444 S Crawford av
Charles Walter T., 155 N Clark
Chase Frank D., Inc., 720 N Michigan
Chatten & Hammond, 160 N La Salle
Cheney Howard L., 208 S. La Salle
Childs Frank A., 720 N Michigan
Christensen Chas. W., 1813 Greenleaf
Christensen, John C., 3255 Evergeen av
Chubb John D., 109 N Dearborn
Clark, Edwin H., 3 E. Huron
Clarke Ernest E., 4139 S Michigan av
Clay Wm. W., 538 S Dearborn
Coffin Arthur S., 6 N Michigan
Cohen Jos., 160 N La Salle
Coleman Jno. N., 53 W Jackson
Comm B Albert, 20 W Jackson blvd
Cook Norman W., 1283 Victor
Coolidge & Hodgdon, 134 S. La Salle
Cramer Wm. F., 400 N Michigan blvd
Crane C. Howard, 127 N Dearborn
Crosby W. S., 17 N La Salle
Dalsey Harry L., 2321 W North av
Danforth S. Chester, 30 N Dearborn
Davey J. Jeffery, 431 S Dearborn
Davidson F. F., Monadnock blk
Davis M. C., 4226 N Lamon av
Davis Zachary T., 400 N Michigan
Dean, Arthur, 137 S. La Salle
De Golyer, Robt. S., 7 S. Dearborn
De Golyer Robt. S., 76 W Monroe
Del Campo Scipione, 2955 N Kilpatrick
DeMoney Frank O., 5 N La Salle
De Muth John, 1950 Winnemac av
Dennison E. A., 122 S Michigan av
Denson Jas. F., 64 W Randolph
Dewey Nordeen & Pavlovitch, 4804 N Kedzie av
Dibelka Jas. B. & Co., 2743 W 22d
Dini F. P., 400 N Michigan av
Dinkelberg Frederick P., 400 N Michigan
Dippold A. P., 4747 Cottage Grove av
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Doerr, Wm. P., 28 E Jackson blvd
Dougherty Floyd E., 35 N Dearborn
Dubin & Eisenberg, 14 W. Washington
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Dunford, S. H., 38 S. Dearborn
Dunlap Francis E., 111 N Dearborn
Dunning Max N., 310 S Wabash
Dwen Robt. G., 8 E Huron
Dyer Scott C., 38 S Dearborn
Eberson John, 212 E Superior
Eckstorm Christian A., 5 N La Salle
Ehmann Wm. F., 140 S Dearborn
Eichberg S. Milton, 64 W Randolph
Eisenberg Maurice L., 5 N La Salle
Ellert Frank J., 7 W Madison
Ellert Frank J., 64 E Van Buren
Elmslie, Geo. C., 122 S. Michigan av
Erickson Allan E., 4734 N Sacramento
Ermelling Ralph W., 64 E Van Buren
Eskridge Fred A., 6654 Stewart av
Esser Curt A., 38 S Dearborn
Fairclough Stanley D., 820 Exch. av
Farrier Clarence W., 721 N Michigan
Faulkner Chas. D., 140 S Dearborn
Fellows Wm. K., 814 Tower ct
Fielder Fred A., 118th & E 26th
Fischer Fred'k Wm., 9129 Commercial av
Fischer John B., 140 S Dearborn
Fisher A. J. & Son, 2001 Greenleaf
Fishman M. Maurice, 118 N La Salle
Fitzpatrick F. W., 20 W Jackson blvd
Fletcher Robert C., 179 W. Washington
Flinn Raymond W., 3 S Dearborn
Flizikowski John S., 3044 Belmont av
Foltz Frederick C., 510 N Dearborn
Fortin Jos. T., 600 Blue Island av
Foster Arthur, 64 E. Van Buren
Fouibaux J. A., 104 S. Michigan av
Fox Charles E., 721 N Michigan av
Fox, John J., 38 S Dearborn
Fox, Wm. Paul, 38 S Dearborn
France Roy F., 155 N Clark
Francisco & Jacobus, 39 S. La Salle
Franklin Robert L., 160 N La Salle
Franzheim, H. Kenneth, 127 N. Dearborn
Frazier Clarence E., 30 N Dearborn
Fredrick Erwin G., 140 S Dearborn
Friedl Herman, 154 W Randolph
Frommann Emil H., 64 W Randolph
Frost Chas S., 105 S La Salle
Fry Frank L., 140 S Dearborn
Fugard & Knapp, 219 E Superior
Fuller Ravillo Franklyn, 6 N Michigan blvd
Furst Wm. H., 140 S Dearborn
Fyfe Jas. L., 225 N Michigan av
Gallup Harold E., 646 N Michigan blvd
Gatterdam Fred E., 138 N La Salle
Gauger Wm., 1358 Keeler
Gaul Hermann, 111 W Washington
Gerber Arthur U., 20 W Jackson
Gerhardt Paul, Garrick bldg
Gibson B. K., 624 S Michigan
Gliatto Leonard A., 343 S. Dearborn
Graham Anderson, Probst & White, 300 S Michigan av
Granger Alfred H., 59 E Madison
Green H. H., 30 N Michigan av
Greenfield Geo. H., 6023 Kenwood
Greengard Bernhard C., 4741 Malden
Gregori, Raymond, 155 N Clark
Grenman Bertel, 22 W Monroe
Griesser Richard, 64 W Randolph
Grossmann & Proskauer, 159 N State
Grotz Chas. J., 3067 Milwaukee
Grunsfeld Ernest A. Jr., 81 E. Madison
Gubbins Wm. F., 4059 W Monroe
Guenzel Louis, 879 N State
Haagen Paul T., 155 N Clark
Hackett Horatio B., 104 S Michigan av
Hahn Howard H., 9 S Clinton
Hale Perley B., 10 N Clark
Hall Emery S., 5 N La Salle
Hall Eric E., 123 W Madison
Hall Lawrence, Reppel & Ratcliffe, 123 W Madison
Hall Lincoln N., 7 W Madison
Hallberg L. G., 116 S Mich. av
Hamilton J. L., 814 Tower ct.
Hammond Chas. H., 64 E Van Buren

(Continued on following page)

Architects—Continued

ILLINOIS—Continued

CHCAGO—Hanson Adolph A., 721 N Michigan av
Halperin, Casriel, 19 S La Salle
Happell Otto Gottlieb, 800 W. North av
Harlev Wm. Jr., 30 N Dearborn
Harris Mandel H., 118 N La Salle
Harris Ralph C., 190 N. State
Hatton B. J., 1113 Drummond blvd
Hatzfeld Clarence, 7 S Dearborn
Hauber Carl, 25 E Jackson blvd
Hawkinson Carl N., 208 S La Salle
Hecht Albert S., 135 N Clark
Heda Arthur M., 72 W Washington
Heinz Lorenz H., 128 N La Salle
Henschien H. P., 1637 Prairie
Hetherington J. T. & Son, 105 N Clark
Heun Arthur, 6 N Michigan
Hild Edward G., 222 E Ontario
Himelblau A. L., 30 N Dearborn
Hine, Cicero, 3221 Broadway
Hirons F. C., 122 S Michigan av
Hirschfeld Geo. S., 64 W Randolph
Hocke John 7602 Chapel av
Hodgon Chas., 134 S La Salle
Hoffman Wm. L., Jr., 144 W 47th
Holabird, John Augur, 104 S Mich. av
Holcomb F. Morse, 155 N Clark
Holmes, Morris G., 8 S Dearborn
Holmes Harold, 30 N Michigan av
Holsman Henry K., 37 N Wabash
Hood Raymond M., 104 S Michigan
Hooper Wm. T., 879 N State
Hoskins John M., 2837 W Madison
Hotton. B. J., 1113 Drummond pl
Howe Wm. J., 4750 Sheridan rd
Hubbard Bert Charles, 225 N Michigan
Huehl & Schmid, 75 W Washington
Hulla John, 140 S Dearborn
Hunt, Jarvis, 30 N Michigan av
Hussander Arthur F., 25 N Dearborn
Huszagh Ralph D., 14 W Washington
Hyde Robt. M., 8 S Dearborn
Hyland Paul V., 159 E Ontario
Ingram Horace C., 137 S La Salle
Ivar-Viehe-Naess & Co., 400 N Michigan
Jacobs Arthur, 128 N La Salle
Jeckel, Philip F., 569 Arlington
Jenkins Austin D., 6 N Michigan av
Jensen Clarence A., 3925 N Keeler
Jensen Elmer C. New York Life bldg
Jensen H. P., 5050 N Hamlin
Jensen Jens J., 1105 Lowe av
Jillson, B. H., 9111 S Robey
Jobson C. Frank, 225 N Michigan av
Johnck Frederick, 140 S Dearborn
Johnson C. J. & R. H., 5153 N Clark
Johnson, Oscar, 4937 N Talman av
Johnston, Wm. K., 6805 Yale av
Johnstone Percy T., 190 N State
Jones, Wm. C., 19 S La Salle
Joy S., 2001 W. 39th
Kallenbach, Henry, Jr., 3428 N Hamilton av
Kellogg Alfred K., 6 N Clark
Kingsley George S., 109 N Dearborn
Klaber E. H. & Grunsfeld E. A. Jr., 81 E Madison
Klafter David Saul. 64 W Randolph
Klafter Jos. H., 127 N Dearborn
Klamt Edward A., 713 Wrightwood av
Klein Wm. J., 28 N Clark
Klewer A. L., 220 S Michigan av
Knox Arthur Howell, 7 W Madison
Kocher, Jacques, 806 W 79th
Kohfeldt Walter G., 400 N Michigan
Komar Morris, 72 W Washington
Koster John L., 112 N La Salle
Kramer Wm. F., 400 N Michigan
Krieg Wm. G., 105 N Clark
Kuehne Carl Oscar, 1572 N Halsted
Kupfer Otto A., 1865 Millard av
Kurzon Bernard R., 30 N Dearborn
Lagergren, Gustav P., 7708 S Hermitage av
Lampe W. C., 155 N Clark
Lang Albert, 30 N Dearborn
Lautz Wm. H., 806 W 79th
Laver, Robt., 19 N La Salle
Lehle Louis, 3810 B'way
Leichenko Peter M., 38 S Dearborn
Lenske, Chas. H., 3755 Irving Park blvd
Leviton Morton, 123 W Madison
Levy & Klein, Conway bldg
Lewin Edw. P., 140 S Dearborn
Lewis Chas. M., 35 N Dearborn
Lewis & Dougherty, 35 N Dearborn
Lewis Jacob, 64 W Randolph
Liedberg Hugo J., 77 W Washington
Lindquist, Fred'k, 179 W Wash.
Lindquist Jos. B., 7 W Madison
Lindstrand John A., 1612 Milwaukee av
Liska Chas. O., 35 S Dearborn
Liska, Emil, 9601 Prospect av
Llewellyn Jos. C., First Nat. Bk. bldg.
Llewellyn Ralph C., First Nat. Bk. bldg
Lockhart G. L., 25 E Jackson blvd
Loewenberg M. L., 111 W Monroe
Lovdall, Geo. F., 25 N Dearborn
Lovell McDonald, 224 E Ont.
Lovell Sidney, 224 E Ontario
Lowe, Elmer C., 108 S La Salle
Lowenberg & Lowenberg, 111 W Monroe
Ludgin Jos. G., 53 W Jackson blvd
Lund Anders G., 453 W 63d
Lurvey Louis, 17 N La Salle
McCarthy Jos. W., 139 N Clark
McClellan, Edward G., 7439 Cottage Grove av
McDonald Luther W., 849 E 73d
McLane Cyrus D., 139 N. Clark
McLaren R. J., 37 W Van Buren
McNally, Quinn & Co., 10 S. La Salle
McNamara Louis G., 155 N. Clark
MacBride E. E., 64 E Van Buren
MacBride, Owen Earl, 5637 Drexel av
Mahaffey David, 118 N La Salle
Maher, Geo. W., 157 E Erie
Maiwurm Arthur B., 105 W Monroe
Mallinger John, 3626 Racine
Manierre Alfred E., 112 W. Adams
Mann Wm. D., 155 N Clark
Marienthal Oscar B., 65 E Huron
Marshall, Benj. H., 721 N Michigan
Martin Edgar, 104 S Michigan av
Martini E. A., 155 N Clark
Marx Samuel A., 108 N Dearborn
Matteson Victor Andree, 8 S Dearborn
Mayo Ernest A., 53 W Jackson blvd
Meredith Davis D., 4750 Sheridan
Meyer Frederick H., 30 N Dearborn
Michaelsen Christian S., 3815 W Congress
Miller Clyde, 112 W Adams
Miller-Fullenwider & Dowling, 646 N. Mich. av.
Miller John W., 600 Blue Island av
Miller Jos. A., Ashland blk
Miller Walter F., 50 E. Walton pl
Miller Wm C., 204 N Karlov av
Millman Ralph E., 104 S. Mich blvd
Minchin, Sidney H., 53 W. Jackson
Minkus Robt. L., 1505 W. Austin av
Mitchell Lewis M., 138 N. La Salle
Morehouse Merrit J., 343 S Dearborn
Morey Arthur G., 115 S. Dearborn
Morgan Chas L., 104 S. Michigan
Morrison J. R., 64 W. Randolph
Morrow W. A., 30 N Michigan blvd
Mueller, Carl Oscar, 752 Buena av
Mueller, Herbert E., 3715 Rokeby
Mulder Herman A., 140 S. Dearborn
Mundie, Wm. Bryce, 39 S La Salle
Nadherny Jos. J., 38 S Dearborn
Nathan M. O., 123 W. Madison
Natl. Council Archl. Registration Bds., 5 N. La Salle
Neebe John K., 4651 N Western av
Nelson Melville A., 2611 Argyle
Newberry Robert Thorne, 160 N. La Salle
Newhouse Henry L., 4623 Drexel
Newman, Edgar M., 107 N Clark
Nielsen Elker R., 3059 Augusta
Niestadt Geo W., 53 W. Jackson blvd
Nimmons Geo. C., 122 S Michigan av
Nitsche Edward A., 646 N. Mich. blvd
Norman Andrew E., 4750 Sheridan
Novy, Jos. J., 2434 S Ridgeway av
Nyden John A., 190 N. State
Ohrenstein Ernest J., 272 E. Ontario
Oldefest & Williams, 605 N. Mich. av
Oliver Ralph H., 115 S. Dearborn
Olsen & Urbain, 155 N. Clark
Olsen Paul F., 720 Cass
Olson Benj. Franklin, 19 S La Salle
Oman & Lilienthal, 64 W Randolph
Ostergren Robert C., 155 N Clark
Otis, Wm. A., 6 N Michigan av
Parsons Wm. E., Ry. Exch. bldg
Pashley Alfred F., 431 S Dearborn
Perkins Dwight H., 314 Tower court
Perkins Frank W., 7524 Stewart av
Perkins Fred'k W., 64 E Van Buren
Perry Walter E., 64 E Van Buren
Pier H. M., 343 S. Dearborn
Pierce R. G., 10 S La Salle
Pingrey Roy E., 209 S La Salle
Piontek & Slupkowski, 1263 N. Paulina
Pistorius B. H., 37 W. Van Buren
Pond, Allen Bartlit, 6 N. Michigan
Pond Irving K., 6 N. Michigan
Postle, David E., 140 S Dearborn
Poulsen Edward J., 59 E. Madison
Powers Horace S., 5 N La Salle
Prather Fred V., 400 N. Michigan
Presto Wm. C., 160 N. La Salle
Pridmore John E. O., 38 S Dearborn
Prindiville Chas. H., 53 E. Washington.
Proskauer Adolph, 159 N. State
Pruyn Wm. H. Jr., 122 S Michigan av
Puckey Francis W., 400 N. Michigan bl
Purcell & Elmslie, 122 S. Michigan av
Quinn J. Edwin, 123 W Madison
Quitsow Anthony H., 11 S. La Salle
Radford Archl. Co., 1827 Prairie av
Raeder Henry, 20 W Jackson blvd
Randak, Frank, 3643 W 26th
Rapp C. W. & G. L., 190 N State
Rawson & Eisenberg, 5 N. La Salle
Rebori Andrew N., 332 S. Michigan av.
Reed Earl H. Jr., 108 N. Dearborn
Reily Solon L., 112 W Adams
Renwick, Edward A., 104 S Michigan av
Rezny Jas. B., 2204 S Crawford av
Richards Henry H., 5467 Washington blvd
Riddle & Riddle, 122 S. Michigan av
Riddle, Lewis W., 122 S Michigan av
Rippel Fred O., 123 W. Madison
Rissman Maurice B., 64 W. Randolph
Roberts Eben E., 32 W Washington
Robertson David, 8 S. Dearborn
Robinson Argyle, 25 E. Jackson
Roche, Martin, 104 S Michigan av
Roeddiger F. W. C., 4936 Champlain
Rogustad Sigurd A., 3815 W. Congress
Rohm Jean Baptist & Son, 138 N La Salle
Roller, Herman D., 343 S. Dearborn
Root John Wellborn, 104 S Michigan
Rowe Chas. Barr, 127 N Dearborn
Roy, Franz, 7317 S Shore Drive
Runde Otto, 4831 Barry av
Russel L. E., 25 N Dearborn
Ruttenberg Albert, 64 W. Randolph
Ryan Wm. J., 154 W Randolph
Sailor, Homer G., 417 W 61st
Sandel Monroe R., 64 E. Van Buren
Sanders Lewis M., 3311 Wrightwood
Saxe, Albert M., 212 E. Superior
Schaffner, Daniel J., 64 W. Randolph
Schimek Alfred F., 124 S. Mich. blvd
Schlacks Henry J., 721 N Michigan av
Schmid R. G. & Co., 154 W Randolph
Schmidt Richard E., 104 S Michigan av
Schnakenberg Henry, 5 S. Wabash
Schreiber, Geo. F., 105 W Monroe
Schulze Carl E., 178 W Jackson blvd
Schulze Wm., 4945 Milwaukee av
Schwartz Albert A., 716 N. Michigan blvd
Seator Sinclair M., 19 S. La Salle
Sevic Wm., 1644 Blue Island av
Sexton Frank A., 7 W. Madison
Seyfarth Robt. E., 134 S La Salle
Shattuck, Walter F., 19 S La Salle
Shaw Howard Van Doren, 104 S. Mich. blvd
Sheldon K. H., 549 W. Wash. blvd
Shourds-Stoner Co., 111 W. Monroe
Sierks Henry, 5096 Lincoln
Slovinec Jno., 5138 S Artesian av
Smith & Howe, 4750 Sheridan rd
Smith Robert S., 111 W Monroe
Smith Wm Jones, 64 E Van Buren
Smith Z. Erol, 305 E 55th
Sosna Ned I., 64 W. Randolph
Spencer N. S. & Son, 1830 Calumet
Spencer, R. C., Jr., 5 N La Salle
Speyer Oscar P., 6507 N. Maplewood
Spitz Alex H., 105 W Monroe
Spitzer Maurice, 111 N. Dearborn
Stanhope Leon E., 59 E Madison
Stanton Frederick C. H., 104 S. Mich.
Stebbings Walter L., 53 Jackson
Steigely Arthur, 2546 E. 73rd
Steif B. Leo, 64 W. Randolph
Steinberg Edw P., 109 N. Dearborn
Steinborn Edw., 111 N. Dearborn
Stephens Barrett H., 407 S. Dearborn
Stern I. S., 35 S Dearborn
Steuben Theo., 3202 Lincoln av
Stevens C. Whitney, 64 W Randolph
Stevens H. L. & Co., 30 N. Mich. av
Stevens Harry E., 4022 W. Madison
Stoetzel R. E., 431 S Dearborn
Stone John R., 8 S Dearborn
Strandel Chas. A., 118 N La Salle
Strauch Moritz F., 1356 Diversey P'way
Strelka Leo, 660 Rush
Sturges, Howard P., 79 W Monroe
Sullivan Louis H., 1701 Prairie av
Swarz Aug., 1335 E. 52nd
Swern Perry W., 19 S La Salle
Tallmadge & Watson, 160 N. La Salle
Teesdale, Lawrence V., 6949 Prairie av
Teich Frederick J., 305 S La Salle
Teisen Axel V., 3133 Logan blvd
Teutsch Carl M., 2448 Calumet av
Thomsen Frederick W., 1949 Seminary
Thorud Bert M., 5153 N. Clark
Tocha Anton A., 1064 Milwaukee av
Tomlinson H. Webster, 212 E. Superior
Turbyfill David W. J., 105 W. Monroe
Uffendell Wm. G., 39 S. State
Van Bergen Jno. S., 168 N. Mich av
Vangunten & Vangunten, 26 E. Huron
Varney Ralph W., 220 S. Mich.
Venning Frank L., 108 S. La Salle
Viehe-Naess Ivar, 400 N. Michigan av.
Vigeant Xavier, 14 E. Jackson blvd
Vitzthum K. M. & Co., 605 N. Mich
Von Holst H. V., 72 W Adams
Walcott, Chester H., 8 E Huron
Walcott, Russel S., 8 E Huron
Walker Fred G., 72 W. Adams
Walker Willard C., 536 Lake Shore dr
Wallace Dwight G., 22 W. Monroe
Walter Mead, 110 N. Wabash
Warren Holmes Powers Co., 64 W. Randolph
Waterman Harry H., 10 S La Salle
Watson V. S., 139 W Madison
Weber, Alfred P., 155 N Clark
Weber Bertram A., 343 S. Dearborn
Webster, Maurice, 225 N. Mich. av
Weisfeld Leo H., 53 W Jackson blvd
Weiss John W., 155 N. Clark
Weller & Lewin Inc.,140 S. Dearborn
Weller Stevens, 59 E. Madison
Westerlind Carl W., 179 W Washington
Wheelock H. B., 64 W Randolph
White Chas. E. Jr., 343 S Dearborn
White, Howard J., 30 E Jackson blvd
Whitney Wm. P., Peoples' Gas bldg
Wiener, Jerome L., 308 N. Mich.
Williamson, Robt. B., 19 S La Salle
Wilmanns August C., 35 S Dearborn
Wilson Horatio R. & Co., 127 N. Dearborn
Woerner, Adolph, 3166 Lincoln av
Wolf Sexton Harper & Trueax Inc., 7 W. Madison
Wolff R. G., 410 N. Michigan blvd
Woltersdorf, Arthur F., 138 N La Salle
Work Robt., 220 S Michigan av
Works, Wm., 6415 Greenwood av
Works Wm. D., 59 E. Madison
Worthman & Steinbach, 155 N. Clark
Wright Clark C., 122 S Michigan av
Wright Wm. Campbell, 721 N. Michigan av
Zaldokas, Mathew E., 1263 N Paulina
Zimmerman Ralph W., 212 E. Superior
Zimmerman, Saxe & Zimmerman, 212 E. Superior
Zook R. Harold, 56 E. Congress

CHICAGO HEIGHTS—Kelley, Irving, W 1536 Otto blvd

COLLINSVILLE—Eberhardt Henry W.

CRYSTAL LAKE — Bowes, Frederick Wm., 552 N Vine

DANVILLE—Garrett Urias E.
Lewis, Chas. M., 509 The Temple
Liese & Ludwick
Martens, Walter F., Adams bldg

McCoy, John F., Dale bldg
Skadden, Harvey F., Dale bldg
Stuebe Leon F. W.
DECATUR—Aschauer, Chas. J., Citizen's Bank bldg
Bramhall, Arthur E., 209 National Bank bldg
Clausen S. A.
Dague, England D., 836 N Church
McNabb Wm. O.
Scribbins John A.
Stauffer, Ernest L., 303 Columbus Terrace
Waggoner, Arthur M., Citizen's Title & Trust bldg
DIXON—Vail, Morrison H.
EAST ST. LOUIS—Frankel Albert B.
Kennedy Jno. W., Cohokie bldg
Mueller, B. A., Arcade bldg
Riester & Rubach, Murphy bldg
EDWARDSVILLE—Kane Michael B.
Pauly Charles
ELGIN—Corbey, Leon J., 310 Safety bldg
Morris, G. E.
EVANSTON—Andrews, Alfred B., 847 Forest av
Ayars, Chas. A., 2419 Lincoln
Blake, Edgar O., 802 Davis
Fairclough, Stanley D., 826 Forest av
McCall, Thos., 843 Ridge av
Small, John S., 748 Hinman av
Woodyatt, Ernest, 619 Colfax av
Wright, Harvey, 2711 Woodbine av
FAIRBURY—Schmetzler Chas. H.
FOREST PARK—Bessler, Edw. W., 504 Marengo av
Burtar, Adolph G., 7616 Madison
FORT SHERIDAN—Rice Josiah L.
FREEPORT—Clark, Leslie Dooane, 151 Winineshiek
GALESBURG—Aldrich & Aldrich
Beadle J. Grant
GLENCOE—Graves, Geo. P., 520 Jackson av
GRANITE CITY—Pauly, Chas. & Son
HIGHLAND PARK—Hoermann, Carl
Von Bergen, John S.
HOOPESTOWN—Love, Robt. Jas., Willdon bldg
Richards, Jas. V., Willdon bldg
JACKSONVILLE—Buckingham C. W.
Pierson J. K. C.
JOLIET—Cowell Herbert, 1 Jefferson
Coyle, John E., 821 Clay
Hoen Rudolph G., Joliet Nat'l Bank bldg
Jennings, John T. W., Nat'l Bank bldg
Tomlinson Henry W., Heggie bldg.
Wallace Charles L.—D'Areyo, Hammond bldg
Wallace Elizabeth B., 227 Jefferson
Webster Chas. Woods, Cutting bldg
KANKAKEE—Henry Chas. D.
KOLZE—Ohlhaber, Wm.
LA GRANGE—Krauch Walter T.
LA SALLE—Hanifen, John, Tribune bldg
Matteson Victor Andre, Music Hall bldg
LINCOLN—Deal & Ginzel
MACOMB—Holmes, Willis B.
MAYWOOD—Van Gunten, Tellman G., 1318 S 7th
MELROSE PARK—Chiaro, John A., 145 B'way av
METROPOLIS—Daly, Samuel L.
Gill, Rudolph Z.
MOLINE—Eckerman Oscar A.
Eckland Henry
Whitsitt & Schulzke, Peoples Bank bldg
MORGAN PARK—Blood L. A., 2246 Morgan av
MOUNT MORRIS—Buser Nathaniel E.
MOUNT VERNON—Atkinson, W. H.
MOWEAQUE—Harris, Chas.
Gill, Rudolph Z.
MURPHYSBORO—Richardson, Jason F., Jr.
NORWOOD PARK—Odgers, Philip, G., 5913 Circle av
OAK PARK—Cabeen, Richard M., 614 N Woodbine av
Ellis, Frank M., 231 S Oak Park av
Fiddelke, H. G., Parkside bldg
Fyfe, Jas. L., 316 S Euclid av
Hotchkiss, Roy Jas., 115 N Oak Park av
La Belle, Edw. C., 410 Wisconsin av
Manard, Robt. P., 220 Iowa
Pray, Frank M., 426 N Parkside av
Randolph, S. M., 1024 N blvd
Roos, Bernard L., 734 S Elmwood av
Sheldon, Karl H., 127 N Oak Park av
Stoddard, Herbert H., 411 N Cuyler av
Washburn, Fred R., 1012 Chicago av
OTTAWA—Hanifen John
PEKIN—Zimmer, John E.
PARK RIDGE—Mills, Albert Brown, 370 S Prospect av
PEORIA—Baillie & Robinson, 1201 Jeff. bldg
Chaffee, Dudley C., 316 N Maywood av
Day & Bullard, Peoria Life bldg
Dox, Hamilton, 141 N Jefferson
Hewitt & Emerson, Peoria Life bldg
Hotchkiss & Whitmeyer, 332 Central Nat. bldg
Huisebus Bernhard L., Jefferson bldg
Kiefer Albert, Jefferson bldg
Klein, Fred J., 331 Main
Koch, Henry A., 722 Thursch av
PERU—Wachter Henry F.
PONTIAC—Young Richard A.
QUINCY—Batschy Jno., Wells bldg
Behrensmeyer George P., 403½ Main
Chatten Harvey, Wells bldg
Geise Martin J., 800 Main
Ledebrink Fred C., 615¼ Hampshire
Wood Ernest M., 126 N 8th
RIVER FOREST—Robinson, Harry F., 294 Edgewood pl
RIVERSIDE—Kattelle, W. R., 17 Addison
ROCKFORD—Barloga, Jesse A., Trust bldg
Bradley Chas. W., Brown bldg
Carpenter F. A., Brown bldg
Eliel, Arthur G., Stewart bldg
Peterson & Johnson, Swedish-Am. Bank bldg
Vander Meer, W. J., Mead bldg
Wolfley Chester E., 613 Stewart bldg
ROCK ISLAND—Cervin & Horn
Stauduhar Geo. P.
RUSHVILLE—Thompson, J. Arthur
SANDWICH—Howison Charles
SPRINGFIELD—Bullard, Robt. A., Unity bldg
Bullard, Samuel A., Unity bldg
Conway Wm. H., 104 East Side sq
Crow, Ralph M., 1020 S 2nd
Furrow, Edw., Broadwell bldg
Hamilton Frank H., City Hall
Hanes Saumel J. & Son, 205½ S 6th
Hanes, Murray S., 205 S 6th
Helmle, Geo. B., Ferguson bldg
Helmle, Geo. H., Ferguson bldg
Helmle, Henry R., Ferguson bldg
Meyer, Carl T., 719 E Edwards
Mozier, Harry P., 98 E Lawrence av
Reiger Harry J., Booth bldg
Rinaker Jno. I., Ridgely Bank bldg
STERLING—Ecklund, Fugard & Knapp
Van Horne Philip T.
STOCKTON—Goodmiller Preston V.
STREATOR—Allen A. W.
Foster Wm. G.
TOLEDO—Ash Percy, University of Ill.
Curtis N. C., University of Ill.
Hanker Chas.
URBANA—Danely, Paul, 812 S Race
Maxwell, Wymer W.
Ricker, Nathan C., 612 W Green
Royer Jos. W., Flatiron bldg
Soderly, Andrew F., 7211 Howard av
Stuhr, Wm., 1003 12th
White Jas. M., (Supvg. Archt. Univ. of Ill.), Administration bldg
Salisbury, Robt. H.
WAUKEGAN—Angell, Arnold A., 1017 County
WESTERN SPRINGS—Heimbrodt, C. E., Box 168
WHEATON—Mitchell, Lewis M., Manchester rd
Salisbury Robt. H.
WILMETTE—Anderson, Russell A., 809 Lake av
Blake, Edgar O.
Buckett, Arthur C., 1133 Lake av
Henderson, Chas. G., 1405 Forrest av
Naper, Herbert J., 1127 Lake av
Rae Robt., Jr.
Wood Jas. M.

INDIANA.

ANDERSON—Meckel Jno.
Watkins Ernest R.
BEDFORD—Pritchett Milton C.
BERNE—Bagley Abraham
BLOOMINGTON—Nichols John Lincoln
BRAZIL—Johnson M. H., Jr.
COLUMBUS—Clevenger C. R. & Co.
Crowe R. B.
CONNERSVILLE—Griffin H. M.
La Fayette Conwell
CRAWFORDSVILLE—Boswell & Beeson, Ben Hur bldg
Griffith Geo. T.
DECATUR—Christen Chas.
Hoffman Oscar
EAST CHICAGO—Wiley M. Clifford
ELKHART—Elwood A. H. & Son
Turnock E. Hill & Son
ELWOOD—Risinger W. A.
EVANSVILLE—Anderson & Berendes, 108 S. 4th
Boyle Harry E. & Co., Furniture bldg
Karges H. Gilbert, 305 Furniture bldg
Metzner Louis L., 1308 Gunn
Neucks Alfred E., 604 Old Nat. Bank bldg
Russ & Karges, 305 Furniture bldg.
Schlotter Frank J., 113½ Upper 4th
Shopbell Clifford & Co., 707 Furniture bldg
Troutman Chas. L., 1524 Gunn
FORT WAYNE—Aurentz Raymond J., 1206 Hugh
Bell W. E., Shoaff bldg
Bowers L., 430-1 Utility
Fortney F. G., 416-17 Citizens Tr.
Griffith & Goodrich, No. Am. bldg
Larimore L. W., 202 Utility
Mahurin & Mahurin, 12½ W Jefferson
Mahurin Guy, 425 Standard bldg
Meyer Henry W., Old Nat'l Bank bldg
Pohlmeyer & Pohlmeyer, 303 Central
Riedel J. M. E., 542 State blvd
Rodgers Victor W., 13 Swinney blk
Schnorr Henry J., 401 Knoll bldg
Strauss A. M., 706 Shoaff bldg
Weatherhorg Chas. R., Hamilton Nat'l B'k bldg
GARY—Erickson Herbert
Hiner Lewis E.
James S. H.
Verplank J. J.
Wickes A. F.
HAMMOND—Berry, Addison C. & Co.
Hutton Jos. T. & Son
Turner Mac
HUNTINGTON—Craig Samuel A., 33 W. Market.
Craig, Samuel A., 33 W. Market
Gierhart J. B.
INDIANA HARBOR—Cornwell Fay D.
Tredwell & Kraft
INDIANAPOLIS—Albersmeier Wm. H. 508 Rauh bldg
Allen Layton, Lombard bldg
Architects' Small House Service Bur., 413 Pennway bldg
Bacon & Tislow, 31 W. Ohio
Bacon Chas E., 605 Odd Fellow
Bass Knowlton & Co., 312 N Meriden
Batchelder & Scales, 426 Board of Trade bldg
Bedell Geo. V., 17 Aetna Trust bldg
Bohlen D. A. & Son, 1001 Majestic bldg
Brayton A. W., 636 K. of P. bldg
Brubaker J. F., 420 Baldwin blk
Burns Lee, 241 N. Penn
Byfield Chas. H., People's Bank bldg
Cannon Fermor, 21 Virginia av
Crabb Everett H., State Life
Craig Sam'l R. & Co., 31 W. Ohio
Daggett R. Frost, Lemcke Annex
Dunlap Elmer E. Co., Delaware & 11th
Edwards Russell N. Co., 120 E. Market
Foltz Herbert W., 704 J. Wild bldg
Garns W. H., 1217 Fletcher Sav. & Trust bldg
George & Zimmerman, 501 Meyer Kiser Bk. bldg
Graham Donald, 1126 Hume Mansur
Hadley Elliott B., 600 State Life bldg
Harrison & Turnock, Bd. of Tr. bldg
Hill Norman H., Delaware & 11th
Honeywell A. A., 413 Pennway bldg
Hunter Frank B., 4826 N. Illinois
Kay Bennett, 738 Lemcke bldg
Kopf J. Edwin & Wooling, Indiana Pythian bldg
McGuire & Shook, Indiana Pythian bldg
MacLucas Wm. H., 2837 Washington blvd
Morck Wm. O., Lombard bldg
Mothershead & Fitton, 542 N. Meridian
Myers & Coffin, 413 Pennway bldg
Nelson Wm. F., 4211 College av
Osler & Burns, 241 N. Penn
Parker Wilson B., 507 Bd. of Tr. bldg
Parrish John P., 418 Castle Hall bldg
Pierre E. D., 1134 Hume Mansur
Rubush & Hunter, Amer. Cent. Life bldg
Russ Wm. E., 313 N. Penn
Scherrer Adolph, 415 Ind. Trust bldg
Seef & Allen, 2315 E. 10th
Sturges Louis H., Board of Trade bldg
Thornton & Rodecker, 658 Fairfield av
Thornton Maurice E., 630 Ft. Wayne av
Vonnegut, Bohn & Mueller, Indiana Trust bldg.
Wallick, Frederick, 308 Hume Mansur bldg
Winterrowd Thos. A., 332 Am. Central Life bldg
Woolling K. K., Ind Pythian
KOKOMO—Dunlap Elmer E.
Honeywell A. A. Co. (Church)
McGraw & Stevenson
LAFAYETTE—Alexander Jas. F. & Son
Boonstra J. A.
Brown G. S.
Gault Edw E.
Kashner C. D. & Son
Nicol Chas. W.
LAPORTE—Allen Geo. W. & Son
LINTON—Fritz John T.
LOGANSPORT—Crain Joseph E.
Horn Carl J., 409½ Wall.
MARION—Bowstead Henry G.
Elder Hiram
French Burt L.
Plato Samuel
MICHIGAN CITY—Ahlgrim F. H.
MISHAWAKA—Brubaker O. C.
MONTICELLO—Young Sam'l
MUNCIE—Kibelee Cuno
NASHVILLE—Grindle, Alfred
NEW CASTLE—Taylor Chas. W.
PERU—Fike H. P. & Co., 384 Adams av
PLYMOUTH—Ness J. E.
RICHMOND—Hasecoster J. A., 2nd Nat. Bk. bldg
Mansfield Geo. W., 906 Main
Yates Stephen O., 1521½ N. D.
SEYMOUR—Hall Robt. H.
SOUTH BEND—Austin & Shambleau, 111 N. Lafayette
Elwood Willard M., 220 W. Jefferson
Freyermuth & Maurer, Warner bldg
Schneider Walter W., 120 So. Main
Smith Myrle E., 605 Citz. Bk. bldg
Young Ernest W., Dean bldg
TERRE HAUTE—Johnson, Miller & Miller, 30 N 5th
Koerner Robert A., 2417 Sycamore
Palmer J. D. & Co., 326 McKleen blk
Reintjes Willard J., 523½ Ohio
Scott Charles E., 1517 N 7th
Shourds-Stoner, 510 Tribune
Thomas & Allen, 25½ S 5th
Vrydagh Robt. T., 612 Ohio.
UNION CITY—Losch C. E.
VALPARAISO—Lembke Chas. F.
Snader D. L.
VINCENNES—Bayard Jno. B.
Gaddis John W.
Osterhage Louis H. & Sutton, Byron
WABASH—Stewart Wm.

IOWA.

ADEL—Holtzman W. D. Jr.
AMES—Kimball, Allen, Holmes, 129 E 7th

(Continued on following page)

Architects—Continued

IOWA—Continued

BURLINGTON—Washburn Geo. H., Parsons blk.
Weibley Wm. F., Tama bldg.
CARROLL—Hart Sanford P.
CARSON—Weeks, O. B.
CEDAR RAPIDS—Brown W. J., Am. Tr. bldg
Holmes & Anthony, O. R. C. bldg
Hunter Harry Edgar, Security bldg
Josselyn & Taylor Co., 222 S. 3rd
Zalesky C. B.
CHARITON—Hougland O. A.
CHARLES CITY—Nosser J. J.
CLARION—White J. B. & Son
CLINTON—Work N. P.
CONRAD—Gier E. F.
COUNCIL BLUFFS—Jensen J. Chris
Schneider Henry J.
Woodward Jno. C.
CRESTON—Yule Clarence L.
DAVENPORT—Childs & Smith, New 1st Nat. Bank bldg
Clausen & Kruss, Kahl bldg
Ebeling Arthur H., Kohl bldg
Gartside Benj. W., Putnam bldg
Holbrook Erwin G., 224 Rusholme
Klein C. A., Central bldg
Temple & Burrows, Davenport Saving Bank bldg
DENISON—Barber Edgar L.
DES MOINES—Berger Max, 632 E. Grand
Boyd & Moore, 810 Ins. Exchange
Cope C. Edgar, 268 Fine Arts
De Jarnett, Chas. W., 608 Hubbell
Dougher, Rich & Woodburn, 320 V. N. B.
Gordon Wm., 525 17th
Higgins Burdette, 422 Sec. bldg
Holtzman Willfred D. Jr., 406 Flynn
Keffer & Jones, Masonic Temple.
Kranert Le Roy W., 216 Fine Arts
Liebbe, Nourse & Rasmussen, Utica bldg
Proudfoot Bird & Rawson, Hubbel bldg
Sawyer & Watrous, Hippee bldg
Tinsley Vernon F., 417 Hubbell bldg
Vorse, Kraetsch & Kraetsch, 1201 Com'w'lth
Wetherell Frank E., Youngerman bldg
DUBUQUE—Beck Guido, 446 Hill
Boldt K. F., Security bldg
Bush Charles T., 825 Julien av
Carkeek Thos. T., Lincoln bldg
Heer Fred J., B. & I. bldg.
Leitha John, Finley block
Saam Karl F., 4th & Main
Webster James, 508 Chestnut.
ESTHERVILLE—Jeffries A. H.
FORT DODGE—Albright J. H.
Bradford J. W.
Damon E. O., Jr.
Nippell Max
Reely T. W.
INDEPENDENCE — Netcott H. E. (school)
IOWA CITY—Carpenter O. H.
KEOKUK—Brady Jos. L.
Flamboe A. G. H.
MARSHALLTOWN—Eckman Chas. H.
Kemper B. F.
Reimer
MASON CITY—Bogardus E. R., 117½ N. Federal av.
Broaten & Mincy
Jeffers J. H.
Trafzer J. W.
MUSCATINE—Zeidler H. W.
OSAGE—Stoughton G. A.
OSKALOOSA—Burdick A. W.
Sinclair S. B.
OTTUMWA—Eaton A. A.
Kerns Geo. M., Corn Club bldg
SIGOURNEY—Seger D. T.
Steele Wm. L., United Bank Bldg
STORM LAKE—Marten & Sutherland
Unger & Park
STRAWBERRY POINT—Gratke, G. E.
WATERLOO—Burr Howard B.
Cleveland Mortimer B.
Ralston J. G., L. & J. Bank bldg.
Shockley Clinton P., 719 Black bldg.
WAVERLY—Leitha J. F.
WEBSTER CITY—White J. R.

KANSAS.

ARKANSAS CITY—McAtee W. L.
BELOIT—Slack Frank A.
BAXTER SPRINGS—Johnson, C. H.
CHANUTE—Pratt J. W.
COFFEYVILLE—Henderson C. A.
ELDORADO—Simon W. H.
EMPORIA—Brinkman H. W.
Marx Wm. F.
Squires Chas. W.
FORT SCOTT—Gardner J. H., 324 So. Little
Huff Walter S. & Co.
GREAT BEND—Redman & Maher.
HALSTEAD—Steele Benton
HANOVER—Dunn Walter T.
HUTCHINSON—Delano, C. W.
Hulse W. E. & Co.
Mann & Gerow
Martin C. F.
Riggs J. S.
INDEPENDENCE—Fletcher F. F.
KANSAS CITY—(See Kansas City, Mo.)
LAWRENCE—Blair Albert E.
Goldsmith Goldwin, 306 Marvin Hall, University of Kansas
LEAVENWORTH—Feth Wm. P.
McPHERSON—Skiff J. H.
MANHATTAN—Barr Harold A. (Kansas State Agric. College).
Winter H. B.
OTTAWA—Washburn Geo. P. & Son., 222 So. Main
PARSONS—Briggs J. E.
PITTSBURG—Callin A. C.
Munn G. J.
SALINA—Shaver C. W.
Smith C. A.
Wilmarth & Zerbe (& Structural Engrs.)
TOPEKA—Chandler & Emshwiller
Cuthbert D., 435 Kansas av
Gamble, R. I. (State Archt.)
Lescher T. H., 920 Monroe
Mitchell C. B.
Squires Frank C., 628 Kansas av
Williamson T. W., Central Bk. bldg
WICHITA—Burley J. F., 107½ S. Main
Charles U. G., Schweiter bldg
Eberson & Weaver, Orpheum bldg
Forsblem Ed., Sedgwick bldg
Fullerton Scott, Wheeler K. H. bldg
Rutledge J. R., Butts bldg
Schuler Dan
Street W. V., 1st Nat. Bank bldg
Thomas Glen H., Wheeler K. H. bldg
Voigt S. S., Orpheum bldg
WINFIELD—Fuller J. N. Co.
Ross I. R.

KENTUCKY.

ASHLAND—King J. M.
BARDSTOWN—Stanley O.
BOWLING GREEN—Fleenor C. M., 1307 Indianola.
COVINGTON—Hildreth & Beekman, 2018 Scott
CYTHIANA—Stevens Joseph R. & Co.
FT. THOMAS—Weber John R.
FRANKFORT—Oberwarth Leo L.
FULTON—Spradlin W. H.
HENDERSON—Trible E. S.
HOPKINSONVILLE—Long James Lee.
Waller John T.
LEXINGTON—Frankel-Curtis Co.
Geertz Martin, City National Bank bldg.
Manley F. J.
Moore John V., McClelland bldg
Stamler E.
LOUISVILLE—Bradshaw P. J. Co., 4th & Broadway
Collins, Val. P., Met. bldg
Curtin, C. A., 2501 W Chestnut
Davis Brinton B., Starks bldg
Hillerich & Gathop, Republic bldg
Hutchings E. T., Columbia bldg
Joseph & Joseph, Francis bldg
Loomis Arthur, Todd bldg
Meyer & Brenner, Lincoln bldg
Murphy D. X. & Bro., Louisville Tr. bldg
Nevin & Wischmeyer, Starks bldg
Nolan Thos. J., Courier-Journal bldg
Otis & Bruce, I. S. bldg
Smith Arthur R., Norton bldg
Tafel, A. G., Coleman bldg
Ward O. P., Lincoln Bank bldg
Weakley & Hawes, 233 S. 4th
LUDLOW—Purcell Wm. R.
MOUNT STERLING—Williams E. L.
NEWPORT—Belting Edward, 411 W 10th
Glick Jacob, 112 E 6th
Raabe Lawrence, 111 E 7th
Vogel Chas., 133 16th
Ware Randolph F., 407 York
Wilson Louis H., 10 W. 4th
OWENSBORO—Killian A., 519 St. Ann
Kimberlin C. W., Odd Fellows bldg.
Monarch L. A.
Whitehead John W.
PADUCAH—Brainerd Wm. L.
Lassiter A. L. & Bro.
SHELBYVILLE—Gruber & Doss
WINCHESTER—Crone J. W.

LOUISIANA.

ALEXANDRIA—Duncan & Barron, 120 Murray
Yeager C. Scott
BATON ROUGE—Charlton Chas. H. Jr.
Goodman Ben. I. & Son, 833 N. Blvd.
COLFAX—Carver Joe
LAKE CHARLES—Carter Ira Calvin
Phillips E. W.
MONROE—Smith J. W.
MORGAN CITY—Ghirardi P. B.
NEW IBERIA—Phillips E. W.
NEW ORLEANS—Andry Paul, 510 Tulane Newcomb
Armstrong & Koch, Audubon bldg
Bear A. G., Wells Fargo bldg
Brune T., 523 Lafayette
Burk W. R., Balter bl
Burton H. L., 318 Carondelet
Charlton J. F., 730 Gravier
Churchill, Frank G., Hennen bldg
De Buys Rathbone, Hibernia bldg
De Montluzin R. E. E., 306 Baronne
Diboll & Owen, Ltd., Interstate bldg
Dufrechou F. P., Balter bl
Favrot & Livaudais, Perrin bldg
Feitel A., Carondelet bl
Goldstein Moise H., Title Guarantee bldg
Hite M. D. E., Hibernia bldg
Jones, Roessle & Olschner, Maison Blanche bldg
Keenan Walter C., Strand bldg
Kohlman Nathan, Godchaux bldg
Lagarde Jos. J., 730 Union
MacDonnell Francis J., Hennen bldg
Mohr Oscar P., 728 Gravier
Moses Harry L., 707 Camp
Nelson A. J., Whitney bldg
Nolan W. T., Canal-Coml.
Norman A. W., La. bldg
Perrier, T. L., Tulane & Newcomb
Robelot A. N., Tulane-Newcomb bldg
Rosenthal S., Balter bl
Shepard M., 429 Carondelet
Smith A. L., 228 S Hennessy
Soule R. S., 429 Carondelet
Spori Edward F., Nat'l Realty bldg
Stone Samuel, Jr., 714 Union
Toledano Wogan & Bernard, Perrin bl
Van Meter W. W., Balter bl
Weiss & Dreyfous, Maison Blanche bl
Weil Emile, Whitney-Central bldg
Williams C. Milo, Hennen bldg
SHREVEPORT—Annan J. P., 1319 Fairfield av
George E. A., American Nat'l Bank bldg
Huff Chas. B., 1715 Park av
Jones, Roessle, Olschner, Ardis bldg
King Clarence W., 1st Nat'l Bank bldg
Neild E. F., Commercial Bank bldg
Snyder John Young, Merchants bldg

MAINE.

AUBURN—Lane, Eugene F., 1 Laurel
Wheeler Chas. R., 36 Sheridan av
AUGUSTA—Bunker & Savage
BANGOR—Crowell C. Parker, 27 State
Lancaster, Walter S., 27 State
Mansur Wilfred E.
BAR HARBOR—Savage F. L.
Stratton Milton W.
BERWICK—Slater Forest E.
BLAINE—Beals W. A.
BLUE HILL—Hinckley W. R.
BOOTHBAY—Adams P. D.
Blair J. H.
CAMDEN—Brown Cyrus P.
Greenlaw A. E.
Ritterbush S. G.
DEXTER—Dexter H. P.
Young Fred M.
GARDINER—Richards Henry
KENNEBUNK—Barry Wm. E.
LEWISTON—Coombs Harry S.
Desjardins Eveno P., 141 Park
Gibbs & Pulsifer
LIMERICK—Boynton Chas. E. (& bldr)
LISBON—Falls, C. O., Dumas
PORTLAND—Higgins, E. L., 95 Exchange
Miller & Mayo, 465 Congress
Poor & Thomas, 537 Congress
Rhodes Herbert W., 574a Congress
Stevens John Calvin, 187 Middle
Stevens John Howard, 187 Middle
Thomas J. P., 537 Congress
Thorne Fred H., Pine State bldg
SACO—Stickney Joseph S., 10 Cutts av
SANFORD—Burgess, R. B.
STONINGTON—Seekins R.
Smith H. B.
WATERVILLE—Knapp Herbert E.
Patterson Frederick A.
WAYNE—Norton Chas. L.
YARMOUTHVILLE—Merrill, F. B.

MARYLAND.

ANNAPOLIS—Armstrong Joseph M.
Cooper P. B.
Hunter R. Malcolm
BALTIMORE—Adams O. Eugene, Equitable bldg
Aiken Herbert C., 2101 N. Calvert
Allen Raymond P., Central Savings Bank bldg
Anderson Chas. M., 9 E. Pleasant
Archer George, Central Savings Bank bldg
Archer & Allen, Central Savings Bank bldg
Architectural Service Co., 14 E. Lexington
Baldwin F. J., 328 N Charles
Barnes G. Summerfield, 301 N. Charles
Beall Fred E., 4508 Reistown rd
Beecher W. Gordon, 12 E. Pleasant
Blanke E. G., 337 St. Paul av
Bond Porter T., 214 N. Linwood av
Brockmeyer R. C., 1665 N. Milton av
Buckler Riggin, 11 E Pleasant
Buckler & Fenhagen, 325 N. Charles
Callis & Callis, 2055 Kennedy av
Callis Geo. K. Jr., Hearst Tower bldg
Childs Geo. S., 306 St. Paul
Condon & Regester, 613 E. 34th
Crisp Herbert G., 2709 St. Paul
Davies Edward, 907 S. Clinton
Davis Theodore, 615 E. Fayet
Day Edward R., 1713 W. Caroline
Degenhardt Wm., 917 E. Preston
Degenhardt Wm. J., 17 Guilford av
Dillon, Chas E., 4201 Liberty Hts. av
Emmart Wm W, Union Trust bldg
Emory, Wm. H., Jr., Munsey bldg
Fenhagen G. Corner, 325 N Charles
Fisher D. K. Este, Jr., Union Trust bldg
Fletcher Fred A., 407 N. Charles
Flournoy & Flournoy, 306 St. Paul
Forrest A. Lowther, Professional bldg
Forsythe John R., 16 E. Lexington
Fowler Lawrence H., 347 N Charles
Frank Benjamin, 328 N Charles
Freund John, 1307 St Paul
Friz Clyde N., Lexington bldg
Friz Nelson, Lexington bldg
Fuller Geo. A. Co., Redwood & Light
Gieske Walter M., Gunther bldg
Glidden Edw. H., American bldg
Gomes F. J., 414 St. Paul
Graham Anderson Probst & White, Redwood & Light
Greer Clinton P., 18 W. Saratoga
Griffin Geo. G., Knickerbocker bldg
Harris Robert L., 13 W. Saratoga
Harrison David, 1322 N Central av
Haskell & Barnes, 301 N Charles
Haskell Geo C., 301 N Charles
Hebrank Cyril H., Strathmore av
Hopkins Henry P., 347 N. Charles

Jory, Herbert G., Munsey bldg
Kavanagh Hugh I., 913 N Calvert
Laferty J. E., 2303 Roslyn av
Lamdin Wm. D., 513 W. Charles
Leach Alfred C., 411 N. Charles
Levi Louis, Munsey bldg
Machen Thos. G., Fidelity bldg
MacKenzie, Geo N., 712 E. Ewesham av
Mason Howard R., 8 E. Lexington
May Howard, Calvert bldg
Mottu & White, 322 N Charles
Moxley J. E. Jr., 450 Fredrick
Nasco Marion, 3213 Gwynnsfalls pkwy
Nolting Wm. C., Keyser bldg
Nussear J. S. Jr., 324 N Charles
Owens & Sisco, Continental bldg
Palmer Edw. L., Jr., 513 N Charles
Parker J. Harleston, Union Trust bldg
Parker, Thomas & Rice, Union Trust bldg
Pennington, Josias, Professional bldg
Pietsch, Theodore W., American bldg
Pratt Roy G., 323 N. Charles
Pritchett Ottie H., 6 N. Montford av
Radziszewski A C., Knickerbocker blg
Randle N. Robertson, 907 Light
Reuwer Chas. H., 906 N. Fremont
Rice Arthur Wallace, Union Trust bldg
Rochford Hillary L., Redwood & Light
Russell Stanislaus, 11 E Lexington av
Russell W Raymond, American bldg
Sackerman Daniel S., 125 E. Baltimore
Scarff John H., Keyser bldg
Sill Howard, 11 E Pleasant
Simonson Otto G., Md. Casualty Tower
Sisco Spencer E., Continental bldg
Smith & May, Calvert bldg
Smith Wilson Levering, Calvert bldg
Smullian Samuel, 3835 Boarman av
Sperry Joseph E., Calvert bldg
Stone William F., Jr., Maryland Casualty Tower
Swindells Wm. B., 118 Fair Oaks av
Taylor R. E. Lee, Union Trust bldg
Thomas Frederick, 726 E. 33rd
Turner Architectural Service, Central Savings Bank bldg
White Henry S. T., 322 N Charles
White Lucius R., Jr., Maryland Casualty Tower
Wight Oliver B., Munsey bldg
Willis J. Swing, 513 N Charles
Wyatt & Nolting, Keyser bldg

CATONSVILLE—Ehlers Wm. H.
CUMBERLAND—Butler Wright
Hitchens R. H., Macfarlane bldg
Sansbury Geo. F.
EASTON—Brinkloe Wm. Draper
FREDERICK—Grange Garrett S. de
Kepner & Smith
Smith Wilsom P
HAGERSTOWN—Ferguson, J. B., & Co., 43 N Jonathan
Klinkhart, A. J.
Mack & Kountz
Yessler Harry E.
PIKESVILLE—Watts Albert S.
POCOMOKE CITY—Stevenson R. M.
ROCKVILLE—Groomes Thos. C.
ST. MICHAELS—Dodson H. C., Jr.
SALISBURY—Mitchell T. C.
Radcliffe & Gaskill
WESTMINSTER—Case Paul

MASSACHUSETTS.

ATTLEBORO—Higgins Olstin M.
BEVERLY—Alden Henry B.
Clark Chester N.
Grush Charles E. (Consulting)
Harmon William H. & Son (& Builder)
Sponholtz Carl L.
Swap George
BOSTON (including Dorchester, Hyde Park & Roxbury)
Abbott Lewis, 80 Boylston
Adden & Parker, 177 State.
Alden Henry B., 15 Exchange
Aldrich Wm. T., 8 Beacon
Allbright C., 310 Boylston
Allen & Collens, 75 Newbury
Allen Gordon, 18 Arlington
Andrews, Rantoul & Jones, 50 Congress
Appleton W. Cornell, 53 State
Architectural & Building Service Co., University
Atherton Walter, 15 Exchange
Atwood Harrison H., Ashmont
Austin W D., 50 Bromfield
Avery P. S., 367 Boylston
Bacon Lewis H., 120 Boylston
Bailey Elmer Smith, 33 Cornhill
Baker Chas. M., 55 Arch
Barnard John, 171 Newbury
Bateman C. J., 15 Exchange
Beal J. William Sons, 58 Summer
Bellows & Aldrich, 8 Beacon
Bellows Robert P., 8 Beacon
Besarick Wm. H., 64 Sagamore
Bickford John H. Co., 6 Beacon
Bigelow & Wadsworth, 3 Hamilton pl
Binney Arthur, 12 Pearl
Blackall, Clapp & Whittemore, 20 Beacon
Blaikie Edwin K., 53 Devonshire
Bottomley, Arthur O., 61 Court
Bourne Frank A., 177 State
Bowditch Arthur H., 44 Bromfield
Brainerd & Leeds, 89 Franklin
Brazilian J. A., 458 B'way
Brown Frank C., Mt Vernon sq
Brown Willard D., 45 Milk
Browne Ambrose A., 7 State
Burgess Swasey & Paine, 585 Boylston
Burk. M. F., 173 Milk
Burton, Felix A., 740 Boylston
Carpenter A. J. Jr., 1 Moss Hill rd
Chandler H. S., 755 Boylston
Chapman Wm., 15 Ashburton pl
Chapman & Frazer, 112 Water
Chase Wm. C., 8 Marlboro
Chickering George W., 6 Beacon
Clark & Russel, 367 Boylston
Codman & Despradelle, 27 Kilby
Cogswell Chas. N., 6 Beacon
Coit Robert, 9 Park
Colby Herbert W., 46 Cornhill
Collett Wm. C., 1078 Boylston
Colleary Wm. B., 80 Boylston
Coolidge & Carlson, 39 State
Coolidge & Shattuck, Ames bldg.
Cooper H. Frank, Irving Corp., 172 Tremont
Coveney, Chas. C., 184 Boylston
Cox Wm. H., 53 State
Cram Ralph A., 248 Boylston
Cullen John F., 10 Bosworth
Cummings, Chas. K., 8 Beacon
Dana Edw. Percy, 384 Boylston
Darrow Alfred L., 8 Beacon
Davidson Harry E., 46 Cornhill
Densmore Le Clear & Robbins, 31 St. James av
Derby & Robinson, 3 Joy
Desmond & Lord, 1 Beacon
Dinsmoor Wm. W., 28 School
Dixey Wm. V. & Smilie H. B., 8 Beacon
Doane Ralph Harrington, 162 Newberry
Douglas Nathan, 393 Broadway
Dow Albert H., 101 Tremont
Driscoll Joseph J., 6 Beacon
Drummey Wm. W., 80 Boylston
Duffie Harold R., 333 Belgrade av.
Dunbar Philip W., 56 Jason
Dunham Chas. B., 6 Beacon
Dyer M. A., 1 Beacon
Dykeman Wm. A., 15 Exchange
Eisenberg Samuel S., 46 Cornhill
Elwell & Blackall, 44 Broomfield
Enebuske & Porter, 143 Federal
Epps, Thos. B., 101 Tremont
Eskrigge Frank T., 56 Pearl
Foss & Pevear, 71 Brinmer
Fox & Gale, Hamilton pl
Frohman, Robb & Little, 140 Boylston
Funk & Wilcox, 26 Pemberton sq
Gay & Proctor, 248 Boylston
Gowing Fred H., 101 Tremont
Graham, Edw. T. P., 171 Newberry
Graves Harold S., 57 Mt. Vernon.
Gray John M., 175 High
Gray. Ralph W., 177 State
Greco Charles R., 8 Beacon
Greenleaf Luther C., 101 Tremont
Halfenstine A. J., 143 Washington
Hallaren & Giduz, 64 Pemb. sq
Hamilton T. B., 230 Boylston
Haven & Hoyt, 220 Devonshire
Haven H. M. & Hopkins A. T., Inc., 11 Beacon
Hixon Thomas, 119 Water
Henderson Walter P., 220 Devonshire
Higgins Olstin M. (Hyde Park)
Housing Co., 40 Central
Howe Lois L. & Manning, 101 Tremont
Hoyt, Clarence P., 8 Beacon
Hughes Thos. R., 141 Milk
Hutchins & French, 8 Winter
Jackson Allen W., 25 Arch
Jacob Geo. Nelson, 4 Park
James Thos. M., 3 Park
Johnson Hans M., 148 Spring
Kelley James T., 57 Mt. Vernon
Kelley Samuel Dudley, 46 Cornhill
Kellogg Harold F., 110 Summer
Kendall Frank A. & Frederic M., 45 Bromfield
Kendall Taylor & Co., 142 Berkeley.
Keyes Curtis & Dyer, 38 Kilby
Kilham & Hopkins, 9 Park
Kingsbury Fred S., 97 Newbury
Klink W. S., 80 Boylston
Kopczynski L., 136 Federal
Krokyn T. F., 7 State
Kussin W. F., 11 Beacon
Lee James S., 6 Beacon
Leland J D & Co., 41 Mt. Vernon
Levy Maurice E., 7 Water
Levy Samuel S., 39 Court
Lewis Edwin J., Jr. 9 Park
Lewis Fred'k O., 715 Trem ter
Little & Browne, 70 Kilby
Little & Russell, 45 Bromfield
Littlefield Walter T., 9 Hamilton pl
Longfellow, A. W., Tremont bldg
Loring Chas. G., 7 Water
Lowell Guy, 12 West
MacNaughton & Robinson, 101 Tremont
MacNaughton James H., 177 State
McFarland C. T., 162 Newbury
McGirr Edw. B., 6 Beacon
McLaughlin & Burr, 88 Tremont
McLaughlin Geo. S., 80 Boylston
McLean W. H., 110 Tremont
Maginnis & Walsh, 100 Boylston
Maher & Winchester, 177 Huntington av
Maltzman & Moffie, 51 Cornhill
Maney Maurice H., 46 Cornhill
Martin A. A., 6 Fairfax, Ashmont
Mastrengelo M J., 369 Hanover
Mead Samuel W., 804 Barristers
Meade Maurice P., 80 Boylston
Mears Henry A., 62 Summer
Monks & Johnson (& Engrs.), 99 Chauncy
Morton Hawley W., 308 Boylston
Mowll & Rand, 21 School
Mulhall & Holmes, 38 Newbury
Murray James, 101 Tremont
Nevin Chas. K. B., 6 Beacon
Newhall & Blevins, 9 Park
Newhall Louis C., 9 Park
Newton Geo. F., 6 Beacon
Norcross F. A., 46 Cornhill
O'Connell & Shaw, 184 Newbury
Parker Thomas & Rice, 177 State
Parker Winthrop D., 177 State
Parsons E. M. & Co., 1 Beacon
Peare, Quiner, Nevin & Chickering, 6 Beacon
Peare Wm. H., 6 Beacon
Perkins Harland A., 5 Joy
Perry, Shaw & Hepburn, 177 State
Perry Wm. G., 177 State
Pitkin Chas. Lewis, 240 Boylston
Powell Francis G., 64 Pleasant
Pratt Harden de V., 44 Bromfield
Prescott Howard B. S., 12 Pearl
Prichard Edw. H., 1 Beacon
Proctor Benjamin, Jr., 25 Arch
Purdon James, 8 Beacon
Putnam & Cox, 114 State
Putnam & Chandler, 18 Arlington
Quiner William H., 6 Beacon
Raeder Henry & James Ritchie, 53 State
Ramsay H. M., 184 Boylston
Rantin Samuel J., 1117 Columbus av
Rawson, Edw L., 6 Beacon
Read Edward Sears, 177 State
Reed D. A. Jr., 6 Goodwin pl
Richardson, Barott & Richardson, 8 Beacon
Ripley & Le Boutillier, 45 Bromfield
Ritchie, Parsons & Taylor, 15 Ashburton.
Ritter W. H., 299 Tappan
Rosenstein Arthur, 7 State
Russell C. A., 14 Pond
Russell F. N., 42 Bl. Hills pkway
Russell H. B., 9 Park
Sargent T. M., 162 Tremont
Scholtes Alexander J., 294 Washington
Schweinfurth J. A., 53 State
Scotland & Derry, 579 Main
Sheehan T. Edward, 120 Boylston
Shepard & Stearns, 65 Franklin
Sidebottom Wm., 101 Tremont
Silverman Brown & Heenan, 51 Cornhill
Smilie Harold B., 16 Arlington
Smith F. Patterson, 173 Milk
Smith Geo. Lawrence, 220 Devonshire
Smith Jno. J., 333 Washington
Smith Philip Horton, 80 Boylston
Somes Dana, 119 Water
Spofford John C., 36 Bromfield
St. Amand Louis J., 14 Beacon
St. Clair S. Winthrop, 120 Boylston
Stebbins & Watkins, 164 Federal
Stein I., 239 Chestnut
Stevens Edw. F., 9 Park
Stevenson Robert L., 101 Tremont
Stewart Parkinson, 162 Newbury
Stratton E. B., Equitable bldg
Strickland, Blodget & Law, 26 Pemberton sq
Sturgis R. Clipston, 120 Boylston
Sullivan Matthew, 100 Boylston
Sylvester Edmund Q., 8 Beacon
Thayer O. A., 89 Franklin
Tooker & Marsh, 11 Beacon
Upham William G., Bigelow blk
Underwood H. Thaxter, 46 Cornhill
Untersee F. Joseph, 585 Boylston
Walker Ambrose, 9 Cornhill
Walker C. Howard & Son, 120 Boylston
Wambolt Robert H., 6 Beacon
Washburn G. Bertram, 26 Pemberton sq
Way Chas. H., 6 Beacon
Wead, Frederick W., 119 Water
Whitten R. B., 31 Milk
Wilson Edward I., 109 State
Witton Fred R., 88 Thetford av
Woodbury & Stuart, 581 Boylston
Zottoli Salvatore S., 26 Conley
BROCKTON—Barlow W. F., Jr.
Falk Geo. L.
Jackson & Crocker, 145 W. Elm.
Olson Charles T
BROOKLINE—Walsh Timothy, 135 St Paul
CAMBRIDGE—Bartlett C. H 580 Mass av
Boyd Fredk. S., 579 Massachusetts av
Douglas Nathan, 307 Harvard
Frost Henry A., Brattle bldg
Humphreys John S., Esq., 24 Avon
Killam Chas. W. (Consulting), Harvard University
Moore George A., 44 Orchard
CANTON—Capen G. W
CENTERVILLE—Bearse Chester
CHELSEA—Brazillian James A.
Eisenberg S.
Noyes Frank A.
Taylor William Hart
CHESTNUT HILL—Putnam Wm. E., Jr., Spooner bldg
CHICOPEE—Dion Geo. P.
Gendreau, Hubert L., 736 Grattan, Alexander
CHICOPEE FALLS—Fugere Geo. H., 67 Main
CLINTON—Thissell Horace A.
COHASSET—See Boston
DALTON—Tower D. H. (& Civil Engr.)
DANVERS—Wright G. H.
DEDHAM—Bailey R. M.
DORCHESTER—Besarick Wm H., 64 Sagamore
EAST HAMPTON—Tremblay Samuel J., 21 High
EVERETT—Helrich Otto A.
Loring Alden C.
Wood Geo. H.
FAIRHAVEN—Bisbee Henry V.
FALL RIVER—Darling Joseph M., Bennett bldg

(Continued on following page)

Architects—Continued

MASSACHUSETTS—Continued
FALL RIVER—Destremps Louis G. & Sons, 58 Bedford
Higgins Joseph I., Borden blk
FALMOUTH—Tobey W. A.
FITCHBURG—Francis Henry M. & Sons
Haynes & Mason, Park bldg.
FRAMINGHAM—Capp Chalmers S.
Shepherd Frank H.
GARDNER—Bodwell Cyrus F.
GLOUCESTER—Hanson H. M.
Phillips Ezra L.
Spooner Herman W.
GREENFIELD—Drew M. R.
GROTON—Park Lawrence
HAVERHILL—Perkins J. A.
HINGHAM—Brown Samuel J., Main, cor. Gardner
HOLYOKE—Alderman Geo. P. B. & Co., 316 High
Beauchemin Oscar, City Nat'l Bank bldg
Chase Wm. R. S., Holyoke Nat'l Bank bldg
Franz Fred, 189 High
Gendreau Hubert L., 830 Chicopee
Howes & Howes, 199 High
Reid Wm. B., 280 High
HOPKINTON—Phipps Sanford
HYDE PARK—See Boston
IPSWICH—Pickard H. A.
LAKEVILLE—Anderson W. L.
LAWRENCE—Smith Horace H. (mill), Bay State bldg
Wilde Samuel H., Bay State bldg
LEOMINSTER—Davis Fred'k L.
Page Leroy J. (& Mill Engr.)
Stacy Harry H.
LITTLETON—Woodbury D. H.
LOWELL—Clark Edwin R.
Davis Millard F., Hildreth bldg
Gardner Everett M., 198 Holyroad av
Gilbert Perley F., 53 Central
Graves Harry Prescott, 40 Middlesex
Roach Joseph S., 40 Middlesex
Rourke Henry L., Hildreth bldg
LYNN—Assies John, Wilson terrace opp 199 Lewis
Betton Chas. L., 31 Exchange
Burgess, Chas. V., 23 Central av
Davidson Benjamin H., 7 Bloomfield
Earp Edwin, 333 Union
Parsons, E. M. & Co., 145 Monroe
Sanborn & Weed, Item bldg.
Schwartz, Jacob, 23 Central av
Stevenson Robert L., 333 Union
Varney, Penn, 25 Exchange
MALDEN—Wilson Dexter E.
MANSFIELD—Foster Geo. L.
MARLBORO—Tucker & Brooks.
MATTAPAN—Russell F. N., 42 Blue Hills Parkway
MELROSE—Dow Lewis A.
Jordan Edward E.
MIDDLEBORO—Black J. Fred
MILFORD—Collins Walter L.
Cook Rob't Allen
MILLBURY—Phillips Henry A., Elm
MILTON—Babcock Alton
Tilden George T., 55 White
NANTUCKET—Codd Eliza
NATICK—Fleming Willis N.
NEEDHAM—Pinkham Everard
NEW BEDFORD—Brown & Poole, Chapman bldg
Hammond C. & Son, 179 N Water
McIntyre Jas., Clifford bldg
NEWBURYPORT—Knight Carl M.
NEWTON HIGHLANDS—Fisher Gurdon R.
NORTH ADAMS—Barlow Edwin T.
Bond Newton C.
NORTHAMPTON—Pratt Wm. F.
Putnam, Carl Scott
Taylor James K.
NORTH CAMBRIDGE—Killam Charles W. 51 Avon Hill
ORANGE—Simonds Warren J.
PEABODY—Earp Edwin
PITTSFIELD—Harding & Seaver, 7 North
Haynes Geo. E., Miller bldg.
McLaughlin Peter F., 24 North
Vance Jos. M., 24 North
PLYMOUTH—Goddard Fred A.
QUINCY—Lofgren Wm. R. (& Builder)
Pratt J. Winthrop (& Builder)
ROXBURY—(See Boston)
SALEM—Balcomb Edwin B., 228 Sussex
Fanning Geo. H., 221 Essex
Rantoul Wm. G., 19 Chestnut
SHARON—Ely Chas H.
SHERBORN—James Thos. M.
SOUTH FRAMINGHAM—Barnes Chas. E
SPRINGFIELD—Bond Newton C. Co., 476 Main
Dibble Wallace E., 317 Main
Dion Geo. P., 10 Center
Donahue J. W., 227 Main
Foster J. W., 105 Bridge
Fugere Geo. H. & Son, 112 Main
Gardner E. C. & G. C., 33 Lyman
Green Sam'l M. Co., Inc. (& Engrs.), 293 Bridge
Hearne Herbert C., 387 Main
Jackson Edward, 377 Main
Johnson P. B., 318 Main
Kirkham & Parlett, 25 Harrison av
Maloney Morris W., 23 Pearl
Manter Carlton H., 306 Union
Mowry R. M., 25 Harrison av
Seabury B. Hammett Co., 188 Florida
Sliwa John W., 94 State
Smith & Annable Inc., 145 State
Sprague H. L. (& Engineer), 310 Main
Warner Robt. B., 318 Main
Westhoff, Max H., 293 Bridge
Wozny Bruno, 94 State
TAUNTON—Park Walter L.
Smith Gustavus L.
UXBRIDGE—Aldrich Leander S.
VINEYARD HAVEN—Hinckley H. M.
WALTHAM—Haines William, 814 Main
Hartwell Henry W., 147 Summer
Monaghan James F., 208 Newton
Ryan Miss Ida Annah & Luscomb F. H., Lawrence bldg
WATERTOWN—Brigham Charles
Gray Arthur F.
Haynes A. F.
WESTFIELD—Harding Malcolm B.
Karr Wallace V.
WEST FITCHBURG—Fourner Auguste, 4 Ashburnham
WILLIAMSTOWN—Neal E. H.
WILLIMANSETT—Gendreau H. L.
WINTHROP—Clarke, Wm. E., 24 Lincoln pl.
Morse Edward P.
WORCESTER—Briggs L. W. Co., 314 Main
Brodeur Francis A., Shrewsbury
Chapin Edwin T., 340 Main
Clemence Geo. H., Appleton rd
Coulson Frederick, 405 Main
Cutting, Carleton & Cutting, 44 Front
Demoorjian H. S., 340 Main
Green Geo. H., Oak
Fitzgerald Edward P., 340 Main
Frost & Chamberlain, 390 Main
Fuller & Delano Co., 44 Front
Hansen Bros., 1 Waterman
Hoyle Charles R., 1014 Sutter bldg
Johnson J. Adolph, 405 Main
Jolette Joseph A., 35 Houghton
Kingston J. P. & Son, 619 Park bldg
Leland J. D. & Co., 306 Main
MacNiven, Frank R., 65 Central
Meacham Harry L., 571 Main
Norton Edgar W., 44 Pearl
Rice James, 325 Park av
Thompson Wm. D., 60 Franklin
Topanelian Edw., 340 Main
Tribe Geo. T., 306 Main
Walker John Tempest, 44 Front

MICHIGAN.

ADRIAN—Fretwell John
ALMA—Wood E. M.
ALPENA—Ouderkirk Thomas A.
ANN ARBOR—Boynton Louis H.
Koch Rupert W.
Lorch Emil
Pipp Herman W.
Scott Geo.
Stanton Samuel M.
Zells Louis F.
BATTLE CREEK—Arnold E. W.
Chanel A. B.
Puffer Harry
BAY CITY—Clark D. P.
Floeter P. C.
Pratt L. A., Crape block.
BENTON HARBOR—Bennett & Lindenfeld
BIG RAPIDS—White A. J.
BLISSFIELD—Dickinson D. E.
DETROIT—Abraham S. F. & Barton D. Wood, Kresge bldg
Agree Chas. N.,, Book bldg
Angell Harry S., 607 Free Press bldg
Bailey R. Arthur, 92 Peterboro
Barnes C. F. J., 1305 Kresge bldg
Baxter, Odell & Halpin, Hammond bldg
Beckelt & Akilt, 73 Monroe
Benjamin & Straight, 120 Pingree
Bonnah & Chaffee, Farwell bldg
Brandt Christian W., Kresge bldg
Bright, Geo. Co., 103 Marq. bldg
Brotherton & Cooper, Equity bldg
Building Service Bureau, B'way Market bldg
Burrowes Marcus R., 3633 Cass
Butterfield & Butterfield, 2847 Grand River
Carey & Esselstyn, 2539 Woodward
Case J W., David Whitney bldg
Clement H. B., Book bldg
Club Andrew, Jr., Goebel bldg
Cordner G. Frank, 926 Amer. State bldg
Cottrell Don M., 429 Wayne
Crane C. H., 542 Griswold
Crombie & Stanton, 1460 E. Jefferson
Darling H. J., First Natl. Bk. bldg
Derrick Robt. O. Inc., 120 Madison
Des. Rosiers Arthur, McKerchey bldg
Dise & Ditchy, 2631 Woodward
Donaldson & Meier, Penobscot bldg
Dysarz Francis A., 7142 Michigan
Farwell Harry J., 35 Ford
Finkel Maurice H., Majestic bldg
Finn, Robert, 2631 Woodward
Garstecki Walter F., 2539 Woodward
Gies Rowland C., David Whitney bldg
Goodrich Wm. F., 1744 Seyburn
Gottesleben Oscar C., Dime Bank bldg
Gould A. H. & Son, Empire bldg
Graves Geo. Wm., Rowland bldg
Greene Robinson, 1123 Lafayette bldg
Gwizdowski Jos. J., 4461 Russell
Haas Geo. J., 1101 Kresge bldg
Haas O. S., 1140 Griswold
Hallett H. H., 875 Grand River
Halpin & Jewell, 1024 Hammond bldg
Harley Alvin E., 316 McKerchey
Haughey Harvey J., 112 Madison
Henderson Ross L., 2457 Woodward
Herman A. F., Owen bldg
Hill Frank E., Empire bldg
Home Designers, 4024 Baldwin
Hughes Talmadge C., 8049 Wilson
Hull & Owen, 1205 Det. Sav. Bk. bldg
Hunter W. E. N., 1007 Donovan
Jablonski Julius, 2611 Medbury av
Janke, Venman & Krecke, 1504 B'way
Jogerst Jos. P., 1921 Ford bldg
Kahn Albert, Marquette bldg
Kamper Louis, 3729 Cass
Kastler J. C. & Co., Det. Bk. bldg
Kasurin John, Empire bldg
Kavieff Otto H., Empire bldg
Keyes Hugh T., 155 W. Congress
Klein Chas. S., 1015 Det. Sav. Bk. bldg
Koch Rupert W., Book bldg
Kohner, Henry, Kresge bldg
Kotting Chas., 2306 Dime Bk. bldg
Kroske Paul C., 10653 Charlevoix
Ladue Howard A., 95 W. Hancock
Lane, Davenport & Peterson, Charlevoix bldg
Larkin, Leslie G., 120 Madison
Lewis I. M., Congress bldg
Lundblad Claus D., 912 Donovan bldg
McDonnell J. Philip, 2306 Dime Bank bldg
Macfarlane, Maul & Lentz, David Whitney bldg
Malcolmson & Higginbotham, & Palmer, 1219 Griswold
Martin-Cooke J. A., 13732 Woodward
Mason Geo. D. & Co., 508 Griswold
Mildner & Eisen, Hammond bldg
Miller Hugh T., 242 W. Lafayette
Miller John Lawson, Goebel bldg
Morison Andrew R., 2210 Park av
Muehlman & Farrar, 1460 E. Jefferson
Mueller G. A., Strok bldg
Murphy & Burns, 3456 Cass
Natl. Homebuilders Society, 208 Hofman bldg
Nettleton & Weaver, Penobscot bldg
Palmer Clarence William, Moffat bldg
Pereira P. R., 333 State
Perry Wm. H., 1124 Lafayette bldg
Phelps C. L., 924 Det. Sav. Bk.
Pollmar & Ropes, 2539 State st
Polzin Jos., 7757 Bryden
Popkin J. L., 1557 Broadway
Pottle Geo. V., David Whitney bldg
Raseman & Freier, Penobscot bldg
Remey S. E., 1140 Griswold
Rossello Peter, 9411 Mack
Schley Cyril E., 1121 Lafayette bldg
Scott John & Co., 2326 Dime bk
Shepherd Harold M., General Motors bldg
Smith Harry T., Moffat bldg
Smith, Hinchman & Grylls, Marquette bldg
Spier & Gehrke, 1455 Woodward
Steffens J. H. Gustav, 3729 Cass
Stahl & Kinsey, McKerchey bldg
Stratton & Snyder, Union Trust bldg
Sukert Lancelot, 112 Madison
Sullivan Chas. J., 8230 Woodward
Trysell Ernest Hugo, 2457 Woodward
Van Leyen, Schilling, Keough & Reynolds, 3440 Cass
Varney & Varney, Washington bldg
Verner, Wilhelm & Molthy, Book bldg
Walsh Jas. J., Detroit Bank bldg
Wardrop Norval, 1564 Woodward
Weinberg J. I., Congress bldg
West Robt J., 242 Lafayette
Weston & Ellington, Stroh bldg
Wetzel B. C. & Co., Dime Bank bldg
Wiedmaier F. W., Campau bldg
Williams & Coughlan, 1111 Kresge bldg
Wilson Arthur L., 13535 Woodward
Wilson J. Will, 17 Campus Martius
Winter, F. J., 2331 Dime bk
Wood Albert, 3513 Woodward av
FLINT—Bachmann Geo J., 512 F. P. Smith bldg
Finster G. C., 112 Paterson bldg
Malcomson, Higginbotham & Palmer, 904 F. P. Smith bldg
Wright & Wheat, 811 Genesee Bk. bldg
GRAND RAPIDS—Allen Frank P. & Son, Houseman bldg
Benjamin T. & Sons, Wenham bldg
Creager H. A., 2113 Francis SE.
Daverman J. & G., Ass'n of Commerce bldg
Essebagger C. M., Empress Thea. bldg
Lindhout Pierre, Gr. Nat'l City Bk. bldg
Osgood Sidney J., New Herald bldg
Robinson & Campau, Houseman blk
Stone G. L., Widdicomb bldg
Turner H. H., Board of Education
Vierheilig C. G., 237 Front
Weemhoff Harvey H., Murray bldg
Williamson Crow & Proctor, 41 Monroe
HARBOR SPRINGS—Mead Earl H.
HOLLAND—De Weerd Geo.
Price James
HOUGHTON—Maas Chas. W.
IRONWOOD—Anderson C. J.
JACKSON—Allen Claire
Field L. H., Jr.
KALAMAZOO—Albertsoan Dan J. (Mill)
Batterson Ernest S.
Fairchild Chas. A.
LeRoy Rockwell A.
Vanderhorst-Billingham Co.
Van Volkenburg Forest D.
Worden G. G.
LANSING—Black Lee
Bowd E. A.
Butterworth S. D.
Moon D. B.
White Thos. E.
MANISTEE—Peterson Gust (& Builder)
MARQUETTE—Charlton D. Fred.
MENOMINEE—Herbert Derrick
MONROE—Dunbar R. M.
MOUNT CLEMENS—Roy Melvin S.
Van Damme T.
MUSKEGON—Appleyard George T.
Van Der West & Pease

PAW PAW—Young C. C.
PONTIAC—Fisher Bros.
PORT HURON—Erb Isaac
Harvey Geo. L.
Kaumier John C., 518 Broad.
SAGINAW—Cowles & Mutscheller, 114 N. Washington
SAULT SAINT MARIE—Demar Edword
TRAVERSE CITY—Moore F. E.
Petersen Jens C.

MINNESOTA.

ALBERT LEA—Sorenson N. C.
AUSTIN—Hayes Paul J.
BRAINARD—White Bros.
CROOKSTON—Keck Bert D.
DULUTH—Allred Wm. P. Jr., 204 Fargusson bldg.
Bray W. T., Torrey bldg
Broomhall E. F., Alworth bldg
Ellingsen & Erickson
Fitzgerald F. H., Alworth bldg
German & Jenssen, Exchange bldg
Gilliuson E. C., Torrey bldg
Hanford Arthur, 212 Sellwood bldg
Holstead & Sullivan, Palladio bldg
Kelly Clyde W., 505 Lonsdale bldg
Lignell A. Werner, Alworth bldg
Nystrom Carl E., Palladio bldg
Olsen P. M., Sellwood bldg
Schmidt Garden & Martin, 909 E. 1st
Shefchik Thos. J., 313 Glencoe bldg
Starin Harold S., 320 W. 1st
Stauduhar Frank X., Manhattan bldg
Wangenstein J. J., Providence bldg
Wold Hugo Wm., 5628 Grand av
LUVERNE—Green W. E. E.
MANKATO—Gerlach H. C.
Pass Geo. & Son
Schippel & Schmidt.
MINNEAPOLIS—Architects Small House Service Bur., 1200 2nd av
Ar-en Co., 224 Essex Bldg
Bard C. J., 2 N. 10th
Bell & Kinports, 1624 Harmon pl.
Bennett D. C., McKnight bldg.
Bersback L. B., 708 Oneida bldg.
Bertrand & Chamberlin, N. W. Bk. bldg.
Bissell Cyrus Y., 320 Auditorium bldg
Bowler S. J., 617 Phoenix bldg.
Buckley R. C, 542 Bldrs. Exchange
Chapin R. C., 1624 Harmon pl.
Chapman Geo. A., 1200 2nd av. S.
Colburn & Forsell, 210 S. 9th
Cordella Victor, 321 Kasota bldg.
Crawford G. N., 517 Essex bldg.
Croft & Boerner, 1006 Marquette av.
Crosier P. E., 915 N. Y. Life bldg.
Crossman Geo. A., 317 Essex bldg
Dahlstrom Arthur, 305 Essex bldg.
Dean C. H., 3309 41st av-S
Dorr & Dorr, Lumber Exchange
Downs & Eads, 804 Phoenix bldg.
Dunham A. B., 512 Essex bldg
Edwins & Edwins, N. W. bldg
Ekman, Holm & Co., 302 Phoenix bldg
Fallows & Huey, 501 N. Y. Life bldg
Farnam Julian, 753 Plymouth bldg
Gage Carl A., 1624 Harmon pl
Hein Paul F., 548 Bldrs. Exchange
Hewitt & Brown, 1200 2nd av. S.
Hodgdon Nat C., 713 Lincoln Bk. bldg
Jacobson & Jacobson, 120 Auditorium bldg
Jensen Anton, 511 Essex bldg
Jones H. W., 215 Essex bldg.
Kees Frederick, Plymouth bldg
Keith Corp., 806 La Salle.
Kennedy Ernest, Essex bldg
Kenyon Wm. M., & Maine, Maurice F., Essex bldg
Kinports C. Le Roy, 1624 Harmon pl
Lang Raugland & Lewis, 412 Essex bldg
Larson Albert O., 816 2nd av S
Liebenberg & Kaplan, 617 McKnight bldg
Lindall Arthur M., 19 Mayers Arcade
Lindstrom J. W., 627 Andrus bldg.
Long & Thorshov, 1028 Andrus bldg
Ludwig Edw. R., 512 Essex bldg
Lund & Lunt, 224 Essex bldg
McElroy Clifford T., Jewelers' Exchange bldg
McLaren Don A., 816 2nd av S
Macomber Wm. K., 1028 Andrus bldg
Magney & Tusler (Inc.), 126 S. 9th
Mann Fred'k M., Metropolitan Bank bldg
Martin Robt. C. Co., 1437 W. Lake
Nason J. E., 622 Corn Exch.
Newstrom Lindquist Co., 810 Lbr. Exch.
Post Frank, 1624 Harmon pl
Prins & Foss, 501 Essex bldg
Purcell & Elmslie, 125 N. W. Nat'l Life bldg.
Purdy Wm. H., 1135 Lbr. Exchange
Rose A., 1007 Bldrs. Exchange
Saxton Glenn L., 1133 Plymouth bldg
Sedgwick C. S., Lumber Exchange
Smith C. W., 708 Oneida bldg.
Stebbins & Haxby, 320 N. W. Nat'l Life bldg.
Stone Jacob, Jr., Sec. Bank bldg
Stravs C. B., 1043 Security bldg
Sund & Dunham, Essex bldg
Swain D. C., 1227 Plymouth bldg.
Thelander A. F., 411 Essex bldg
Thorshov Olaf, 1028 Andrus bldg
Tyrie & Chapman, 1200 2nd av.
Van Dyck, A. R., 1st Nat Soo Line bldg
Westphal O. K., Kasota
Whitney Wm. Channing, 1200 2nd av.
MONTEVIDEO—Granum Martin
MOOREHEAD—Friedlund Bros.
NEW ULM—Heers C. A.
NORTHFIELD—Vail Alva E. V.
ROCHESTER—Crawford H. H.
Miller, John
ST. CLOUD—Mann & Pinault.
ST. PAUL—Alban W. L., Endicott bldg
Alden John M., 1004 Guar. Life bldg
Axelrod Jay, 410 Pioneer bldg
Bassford Chas. A., 202 Bremer Arc.
Bassindale Lambert, Capital Bank bldg
Blewett Geo. A., Endicott bldg
Buechner & Orth, Shubert bldg.
Cederberg J. O. Jr., 152 E. 5th
Davis Holyoke, 649 Endicott bldg
Day Beaver Wade, 1410 Pioneer bldg
Devor A. S., Endicott bldg
Ellerbe & Co., Endicott bldg
Fleischbein Allan C., 442 Endicott bldg
Frost Chas. S., Capital Bank bldg
Gauger A. F., 605 Exch. Bk. bldg
Harris & Sotfield, Exchange Bk bldg
Hausler & Kerr, 548 Hamm bldg
Hills J. B., 811 Mer. Nat. Bk. bldg
Holyoke, Jemne & Davis, Endicott bldg
Ingemann Wm. M., **Endicott bldg**
Jenne Magnus, 649 Endicott bldg
Jacobson, Silas, 403 Endicott bldg.
Johnston Clarence H., Capital Bk. bldg
Jones Roy Childs, 1410 Pioneer bldg
Klawiter Frederick C., 1611 Pioneer bldg
Linhoff Peter J., Guar. Life bldg
Litchfield Electus D. & Rogers, 637 Endicott bldg
Lockhart Geo. L., Endicott bldg
Lundie E. H., Endicott bldg
Mather & Fleischbein, Endicott bldg
Melinder-Boyer & Sherman, 1615 University av
Mohn N. Edw., Endicott bldg
Moorman A. & Co., 501 Minn
Niemeyer J. C., 107 E. 3rd
Palmer Robt F., 486 Endicott bldg
Round Olin H., 303 Oppenheim bldg
Schuneman Fred H., 1611 Pioneer bldg
Stem A. H., Endicott bldg
Stevens J. Walter, Exchange Bk bldg
Sullwold H. A., Endicott bldg
Slifer & Abrahamson, Endicott bldg
Toltz K. & Day, Pioneer bldg
Van Kirck C. E., 4060 Oppenheim bldg
Wheeler J. H., Exchange Bank bldg
Worthen Kenneth B., 442 Endicott bldg
Wright M. A., Pittsburgh bldg
VIRGINIA—Okerstrom J. E.
Shand Charles K.
WINONA—Myhre A. E.
Patterson C. A.
ZUMBROTA—Grover C. L.

MISSISSIPPI.

BILOXI—Roof H. H.
BROOKHAVEN—McCormick Eugene
CLEVELAND—Suttle C. E.
COLUMBUS—McClanahan & Terry (& Builders)
GREENWOOD—McGeoy Frank R.
JACKSON—Austin H. N.
Hull W. S.
Overstreet N. W.
Spencer R. B.
Willis J. T.
MAGNOLIA—Kramer X. A.
MERIDIAN—Krouse P. J.
Stuart Burt
VICKSBURG, Donovan Michael J.
Stanton Wm. A.

MISSOURI.

BOONVILLE—Ravenel Samuel W.
CARTHAGE—Ehlers A.
Prather J. A.
Simpson Percy K.
DE SOTO—Hemme Charles
FULTON—Bell M. F.
HANNIBAL—Martin Malcolm S.
Schmitt Ernest
HOPKINS—Akin John A.
INDEPENDENCE—McBride R. L.
Smith, Henry C.
JEFFERSON CITY—Miller & Chaffee
JOPLIN—Michaelis A. C.
Sudhoelter C. H. Co.
KANSAS CITY—Anthony P. H., Waldheim bldg
Anderson A. B., 818 N. Y. Life bldg
Archer & Gloyd, 916 A. & R. bldg
Besecke Walter A., 611 Title & Trust bldg
Boillot Elmer, 1202 Scarritt bldg
Boller Bros., 508 Palace bldg
Braecklein J. G., 703 Federal Reserve Life Ins. bldg
Brandenberger H. F., 612 Interstate bldg
Brecklein J. G., 703 Federal Reserve Life Insurance bldg
Brostrom Ernest O., 623 Reliance bldg
Buckley A. H., 823 Gloyd bldg
Carroll Maurice, 614 Ridge Arcade
Cooley C. D. Co., Waldheim bldg
Davis P. L., 1127 E. 31st st
De Foe Victor J., 203 Bruening bldg
Delk Edward Buehler, Meyer blvd & Ward pkway
Drake H. Alexander, 315 Reliance bldg
Drotts Phillip T., 3410 Washington
Edwards S. E., 502 Massachusetts bldg
Faris Edgar C., 3838 Main st
Felt J. H & Co., Grand av Temple
Franklin G. B., 400 Reliance bldg
Fuller, Albert B., 412 Grand Ave. Temple
Gentry Alonzo H., 1003 A & R bldg
Gornall Robert F., 203 Bruening bldg
Greenebaum, Hardy & Schumacher, 216 Scarritt bldg
Gunn Frederick C., 1108 Continental bldg
Hall Art F., 334 Brotherhood blk
Hettelsater D. R., 707 Mutual bldg
Hitt, Samuel M., 321 Sheidley bldg
Hogg James Oliver, 100 Walsix bldg
Hoit, Price & Barnes, 800 Davidson bldg
Holden, Ferris & Barnes, 1021 A & R bldg
Horton Francis W., 705 Finance bldg
James Arthur D., 309 Mutual bldg
Keene & Simpson, Land Bank bldg
Keyser Charles E., 421 Portsmouth bldg
Koch W. J., 801 Mutual bldg
Kurfiss Selby H., 1202 Scarritt bldg
Lang Frank Lloyd, 400 Reliance bldg
Lauck & Lauck, 1004 Orear-Leslie bldg
Lauck J. F., 1004 Orear-Leslie bldg
McIlvain, Fred E., 1001 Orear-Leslie bldg
McKecknie & Trash, Gloyd bldg
Madorie Edgar P., 1105 Continental bldg
Markgraf Rudolf, Ridge bldg.
Marlling J. H., 517 Mass. bldg.
Michaelis Frederick H., 534 Lathrop bldg
Owen & Paysen, 505 Interstate bldg
Owens E. H., American Bank bldg
Pampel H. D., Finance bldg
Peden, Robert E., 3504 Troost
Post Geo. B. & Sons, 1003 A & R bldg
Root & Siemers, Scarritt bldg
Rose & Peterson, 432 Brotherhood blk
Sayler Wm. H. & Co., 309 Mutual bldg
Sanneman R. H., 519 Lee bldg.
Schmidt C. P., 305 Shukert bldg
Shepard & Wiser, R. A. Long bldg
Shepherd, Clarence E., 414 Huntsinger bldg
Sloan Clifton B., 321 E. 11th st
Smith Chas. A., 800 Finance bldg
Smith Chas A., 334 Brotherhood blk
Smith Henry C., 1009 A & R bldg
Smith, Rea & Lovitt, Finance bldg
Sunderland J. C., 406 Interstate bldg
Swehla Geo. W., Westport & Broadway
Tarbet S. B., 507 Continental bldg
Thompson Francis J., 615 Mass. bldg
Van Brunt & Hertz, Interstate bldg
Van Brunt Courtland, 823 Gloyd bldg
Vanderberg C. C., 627 Finance bldg
Wallingford L. E., 604 Gumbel bldg
Walton Alice, 406 Scarritt bldg
Wight & Wight, 1st Natl. Bk. bldg
Wilder E. T., 4th fl 1st Nat. Bk. bldg
Wilkinson & Crans, Interstate bldg
Williams Chas M., 900 Grand Ave. Temple
Willis Bixby, 835 N. Y. Life bldg
Wilson L. G., 300 Walsix bldg
Wiser Albert Co., 1209 R. A. Long bldg
KIRKSVILLE—Dunbar Irvin
Dunbar J.
MEXICO—Elliott Ben. C.
MOBERLY—Abt Ludwig
ST. JOSEPH—Boschen W., Tootle-Lacy Natl. Bk bldg
Eckel & Aldrich, Corby-Forsee bldg
Heim R. F., Bartlett bldg
Meier Eugene Rudolph, Lincoln bldg
Siemens & Arnold, Bartlett bldg
ST. LOUIS—Allen Sam'l H., Security bldg
Abrahams Sol & Sons Constr. Co., Chemical bldg
Bachman Wesley M., Arcade bldg
Barnett, Haynes & Barnett, Century bldg
Barnett, Haynes & Barnett, 4907 Oakland
Barnett T. P. Co., Arcade bldg
Bonsack & Pearce, 704 Olive
Boyer Alexander B., 482 Arcade bldg
Bradshaw P. J., Int'l Life bldg
Brasher W. A. Jr., 1442 McCausland
Brueggeman G. F. A., 3d Nat'l Bank bldg
Caldwell W. A., 3719 Washington
Clymer Harry G., Wainwright bldg
Conzelman Russell A., 114 N. 7th
Corrubia & Henderson, Arcade bldg
Davis Neal C., Central Natl Bk bldg
Deitering Chas. H. Central Nat'l B'k bldg
Dunham, John M., Chemical bldg
Eames & Young, Arcade bldg
Ewald & Allen, Rialto bldg
Fitch Austin E., Washington U.
Gieseler Edw. J., 119 N. 7th
Graf Hugo K., Chemical bldg
Graham-Anderson Probst & White, Forest Pk blvd & Kingshighway
Greene Chas. R., 202 N. 9th
Grote, H. C., 111 N. B'way
Groves Albert B., Clayton & Bellevue
Gruen Wm. H., 1520 Chestnut
Harrington Clement G., 7278 Anna
Harrison Constr. Co., 6032 Delmar
Heim Jacob, 211 N 7th
Helfensteller, Hirsch & Watson, Chemical bldg
Hellmuth & Hellmuth, De Menil bldg
Hess Ernest, 3228 Magnolia
Hess Henry P., 1237 N Taylor
Hirshstein J. M., 5777 De Giverville
Hoener, Baum & Froese, 3605 Laclede
Hohenschild H. H., Odd Fellows
Howard Norman B., Intl. Life bldg
Imbs Thomas F., Wainwright bldg
Ittner Wm. B., 408 Locust
Johnson A. J., 408 Pine
Jamieson Jas. P., Arcade bldg

(Continued on following page)

Architects—Continued

MISSOURI—Continued

ST. LOUIS—Janssen Ernest C., Chemical bldg
Kennerly & Stiegmeyer, Title Guaranty bldg
Kidd & Reither, 4106 W. Kossuth
Klipstein & Rathmann, Chemical bldg
Klingensmith Rice W., Arcade bldg
Klutho Victor J., Syndicate Tr. bldg
Knehans Gieseler & Meles, 119 W 7th
Knell Albert, 5661 Nat. Bridge
Koenig Clarence A., 3621 Gravois
La Beaume & Klein, Compton bldg
Lantz Edw., Wainwright bldg
Lee & Rush, 6038 Delmar
Leigh J W., Odd Fellows bldg
Levy Wm., Arcade bldg
Lynch J. Hal & Son, Dolph bldg
McMahon Wm. P., Title Guaranty bldg
Maack Henry, 1742 Chauteaux ave
Maritz & Young, Chemical bldg
Mauran, Russell & Crowell, Chemical bldg
May Chas. F., 408 Olive
Meagher Jas. D., 408 Pine
Meyer A., Central Nat. Bank bldg
Mueller Vincent G., 7340 Laveta
Mullen Dan H. Jr., St. Louis County Bk. bldg
Nolte & Nauman, Fullerton bldg
O'Meara & Hills, Arcade bldg
Paulus Eugene H., 4955 Northland
Paulus John D., 4729 Northland av
Pendleton Louis B., 119 N 7th
Popp Oliver J., Odd Fellows bldg
Porter E. Price, 6142 Plymouth
Preisler Ernst, Title Guaranty bldg
Proetz Victor H., Boatmen's Bk. bldg
Rice Nelson P., Arcade bldg
Ridington A. Blair, Fullerton bldg
Roach Harry F., Syndicate Tr. bldg
Saum, Architect, 713a Chestnut
Schleicher Emil J., 3601 California av
Schuermann & Neuman, Gen'l Contrs., Int'l. Life bldg
Senne Jos. H., Central Nat'l Bk. bldg
Shaffer M. T., Fullerton bldg
Spearl Geo., Arcade bldg
Stauder A. F., Wainwright bldg
Steinmeyer Theo., Intl. Life bldg
Stephens & Pearson, Chemical bldg
Study & Farrar, Arcade bldg
Tarling Julius E., 4114 W. Kossuth
Teasdale John W., Times bldg
Trueblood W. T. & Graf N. K., Chemical bldg
Volkman Ed. H. A., 4826 Delmar
Wedemeyer & Nelson, Wainwright bldg
Wesshecher & Hillebrand, Pontiac bldg
Wheeler & Williamson, 1042 W Grand
Widmann & Walsh, Wainwright bldg
Widmer Eng. Co., 502 Laclede Gas bldg
Wilhelmi Otto J., Granite bldg
Wilkins & Oliver, Arcade bldg
Wray Chas. H., Rialto bldg
Wuest Gustav P., Wainwright bldg
Young Thos. C., Arcade bldg
Young W. Ridgely, Chemical bldg

SEDALIA—Bast T. W.

SPRINGFIELD—Foley W. E., Baker blk.
Garver Wm. L., 952 Hovey av.
Hawkins Earl & Co., 400 McDaniel bldg.
Heckenlively J. L., Landers bldg
Reed Geo. F., Holland bldg

MONTANA.

ANACONDA—Fisher Homer
Hyslop W. W.
Smith Joseph

BILLINGS—Arnold Walter, Daly Bank bldg
Cohagen Chandler C., Electric bldg
Cliff Glenn H., P O 1121
Derrick Warren A., Electric bldg
Link J. G., Electric bldg, P O 497
McAlister G.
McIver, C.

BOZEMAN—Angus V., Electric bldg
Plew W R., Montana State College

BUTTE—Arnold & Van House, Daly Bank bldg
Howell H. W., Lewisohn bldg
Linkard Harry, Daly Bank bldg
(branches at Helena, Billings, and Lewiston, Mont.)
Max Allen Van House, Daly Bank bldg
O'Brien Wm. A., 30 E Bway
Seaquist John E., 1200 W Diamond
Smith, Wellington W., High School
Teague J. C., Daly Bank bldg

DILLON—Roode S. M.

GREAT FALLS — Baker Chas. H., First Natl Bank
Bird & Van Leylingen
Bird Geo. W., 814 First Natl Bank
Haas S. H., 208½ Central av
Johnson Henry Hall
Mowery W. R.
Schuppert R. C., 74 Stanton Bank
Shanley G. H., 512 First Natl. Bank
Shanley & Baker
Van Teylingen J.

HARDIN—Pruett Chas.

HARLAMTON—Dreyer Anthony J

HAVRE—Bossout
Ellinger Geo. E.
Lancaster Roy P.

HELENA—Carsley Geo. H., Power Block Annex
Haire C. S., Power Block
Kirk C. H., Montana Club

KALISPELL—Riffa Marion B.

LEWISTOWN—Otto F.
Potter Claude B.
Wasmansdorff O. F., Bank Electric bldg

MILES CITY—Pruett Grover C.
Rivenes Brynjulf

MISSOULA—Bakke O.
Forbis Clarence J.
Gibson Albert J.
Marshall Walter V., P O Box 1598
Morin Eugene
Ole Bakke, Gibson Block

RED LODGE—Sulter Chas.

ROUND TOP—Grant John H.

THREE FORKS—Dwyer & Waldorf

WHITEHALL—Micklethwaite Thomas C.

NEBRASKA.

BEATRICE—Grant R. W., 53rd & L.

BENKELMAN—Christensen J. H.

BLAIR—Vaughan Louis, 72 W. Washington.

COLUMBUS—Grabe & Helleberg, Central Nat. Bk. bldg.
Wurdeman Chas.

FREMONT—Clark Tom
Dyer A. H. Co., 304 E. 6th.
West J. A.

GENOA—Redbird Simon

GERING—Pedersen J. C.

GORDON—Sailor C. H.

GRAND ISLAND—Crocker Frank
Good Charles
Kirschke Oscar R.

HASTINGS—Bradley Robt. E.
Way C. W. Co., Brandes bldg.

LINCOLN—Berlinghof George, 14 Orpheum bldg.
Davis & Wilson, 515 Security Mutual bldg
Fiske & Meginnis, Bankers' Life bldg
Larsen C. H. & Co., Terminal bldg.
Miller Jesse B., 324 Little bldg
Tyler & Brandt, 418 Richards bank.

NORFOLK—Stitt James C., Norfolk Nat. Bank bldg.

OMAHA—Allan J. T., 224 Brandeis Theatre bldg
Berk H. A. Gustav, 1505 Farnam
Brigham N. R., Keeline bldg
Clarke F. W. & E. B., 640 Paxton blk.
Conley J. L. Co., 377 Aguila ct
Craddock James H. & Co., Elks bldg.
Daly Leo A., 523 Peters Trust bldg.
Dodds Everett S. Co., Brandeis Theatre bldg
Fisher Geo. L., City National Bank bldg
Guth J. P., Paxton bldg
Henninger F. A., Security bldg
Kimball Thos. R., World-Herald bldg
Krelle F. W., Omaha Nat'l Bank bldg
Kvenild B., Brandeis Theatre bldg
Lahr M. J., 707 W O W bldg
Latenser Jno. & Sons, Peters Trust bldg
Lawrie Harry, Paxton blk.
McArthur J. G., Keeline bldg
McDonald John & Alan, 903 Omaha National Bank bldg.
Nachtigall J. M., Paxton blk.
Peterson Harvey C., 406 Finance bldg
Prinz Geo. B., Omaha National Bank bldg.
Raapke H. A., City Nat'l Bank bldg
Rosenberry Chas W., 309 Brandeis Th. bldg
Sandham J. D., 836 World-Herald bldg
Schreiber Ernest F., 601 Peters Trust bldg
Steinbaugh C. W., Brandeis Theatre bldg
Stockham W. E., Railway Exchange
Stott Frederick S., John L. Kennedy bldg
Webster Jas. R., 520 Paxton bldg.

SCOTTSBLUFF—Hehnke O. J., 213 16th.

NEVADA.

RENO—Curtis M. J.
De Longchamps F. J., Gazette bldg.
Ferris Geo. A. & Son.
Holesworth Geo. E., 445 Lake.
Schadler F. M., 445 S. Virginia.

VIRGINIA CITY—Dickson R.

NEW HAMPSHIRE.

BERLIN—Bates H. C.

CAMPTON—James D. B.

CLAREMONT—Beckwith H. R.
Martin Clarence L.

CONCORD—Forrest George S., 20 Pleasant.
Griffin Geo. W., 72 N. Main.

DOVER—Brown George
Ramsdell A. T.
Richardson J. Edward, 56 Grove.

KEENE—Spraulding M. O.

LISBON—Morgan S. D.

MANCHESTER—Baker J. Edw., Kennard bldg.
Provost Wilfred E., 1061 Elm.

MILTON—Jones I. W.

MONADNOCK—Mauran John Lawrence

NASHUA—Holt Duane F. & Son

PORTSMOUTH—Paul Henry S.
Trueman S. S.

NEW JERSEY.

ARLINGTON—Calabrese Ralph, 97 Duncan N. A.
Kennedy Joseph, 316 Devon
Leinhart Fred A., 628 Devon
Salmond Scrimshaw, 526 Elm A.

ASBURY PARK—Arend Ernest A.
Cottrell A. F.
Dodge Paul L.
Godfrey Leroy T., Asbury Park Trust bldg.
Towner K. MacM.

ATLANTIC CITY—Dobbins Seward G.
Ireland Bertram
Mathis J. & Son
Mergenthaler Richard H.
Ogden Jos. R.
Riebenack William B.
Smith Vivian B.
Steelman Alfred B.
Stout Howard A.
Vaughn S. Hudson

BAYONNE—Anderson D. G., 473 Bway
Goldberg Carl L, 437 Broadway
Riley E., 63 W 34th
Schmidt John J., 352 Avenue C

BELMAR—Allen Wilson E.

BERLIN—Adams Geo. H.

BLOOMFIELD—Brooks James E. Co., Mulberry
Pierson Fred L.

BOONTON—Lee, Harry V.

BOUND BROOK—Bent F. H.

BURLINGTON—Allinson Geo. A.
Brown Hy. A.

CALDWELL—Lockward Lynn G.

CAMDEN—Custer & Gill
Moffett & Stewart
Seidille E. E., 525 Market
Stephen Thos.

CLIFTON—Strong Lambert, Main & Clifton avs.

COLLINGSWOOD—Rice Harry H.

CRANFORD—Bell Clyde Chas.

DOVER—Vreeland J. J., Jr.

EAST ORANGE—Baldwin Chas. H., 564 Main
Eagles Israel C., 153 N 16th
Garrabrandt Wm. E., 343 Main
Shepard Benj. H., 566 Main.
Walker Hobart A., 336 Main

ELIZABETH—Beatty J. B., 15 N Reid
Edwards Robert C., 579 Westfield av
MacQueen J., 560 Walnut
Oakley, Chas. W., 1259 Clinton pl
Poggi C. Godfrey, 2 Julian pl
Quien Louis, Jr., 229 Broad

ENGLEWOOD—Ferry John J.

GARFIELD—Gerritsen Henry
Pirrone Frank
Vegliante Anton L.

GLENRIDGE—Staab Wm. F.

GUTTENBERG—Weber Jos.

HACKENSACK—Bogert C. V. R., Esq., 167 Main
Collins Geo. (& Builder), 1st & Berry

HARRISON—Baker Jos. W., 111 N 4th

HASBROUCK HEIGHTS—Morison Augustus B.

HOBOKEN—Beyer Max J., 79 River
Brokhaus Geo. C., 402 Washington
Dieffenbach, C. F., 84 Washington
Fischer Fred. Sr., 1240 Garden

IRVINGTON—Allen Jos. B.
Kleeman August M., 735 Springfield av
Kleeman Emil H., 23-22nd
Lemmer Fredk.
Sonnenberg Jos.
Strombach & Martens, 989 Springfield av

JERSEY CITY—Brady H. B., 100 Sip A & 76 Montgomery
Davis Abraham, 13 Newark av
Flagg Geo. A., 665 Newark av
Guhl E., 19 Chas.
Imhoff Jas. C., 76 Montgomery st
Long C., E 665 Newark av
Neumann William, 314 Palisade av
Patterson Edward M.
Resch Jno. A., 170 Lexington av
Rowland John T. Jr., 100 Sip av
Salier Rudolph W., 76 Montgomery
Shannon Robt., 2 Bernius
Tesch G. D., 23 Whitman
Tilton Wm. A., 76 Montgomery
Weltoff Nathan, 249 Washington
Walpe W. H., 159 Carteret av
Ziegler Christian H., 75 Montgomery

KEYPORT—Young Henry A.

LITTLE FALLS—Chubb Andrew, Jr.

LONG BRANCH—Cubberly Leon
Wilson Clarence D.

MAHWAH—Bennett Edwin T.

MONTCLAIR—Baker John E. Jr., 109 Orange rd
Van Antwerp Dudley S., 44 Church
Yost Henry L., 219 Walnut

MOORESTOWN—Le Coney Wm. G.

MORRISTOWN—Behr Frederick H.
Mills Geo. A.
Pierson Arthur S.
Vandoren Wm. C.
Weir Collins B.

MURRAY HILL—James Marshall T.

NEWARK—Acocella J. B., 9 Clinton
Apgar John A., 246 N 7th
Baekoff, Jones & Cook, 9 Clinton av
Baldwin Chas. P., 45 Clinton
Bartlett W. Orrin, 738 Broad
Bessman Samuel P., 20 Clinton
Betelis James O., 20 Branford pl
Botteili Romolo, 207 Market
Bowers Philip J. & Co., 189 Market.
Capen John F., 207 Market
Cohen Simon, 134 Branford pl
Connelly Arthur, 46 Breitnall pl
Del Guercio A., 156 Market
Ely J. H. & W. C., Fireman bldg
Erler Richard W., 45 Clinton
Fitzsimons & Richards, J., 207 Market
Fougner Ernest H., 197 Market
Gonnelli A., 74 Cutler
Grad Frank, 245 Springfield av
Grant Edw. E., 397 Washington av
Green Jordan, 27 Clinton
Gregg & Co., 24 Clinton
Guilbert & Betelle, 20 Branford pl
Harris Nathan, 733 Orange av
Hauser Edgar F., 9 Clinton
Higby Gilbert C., 207 Market
Hooper & Co., 118 Market
Hughes, Horton & O'Neill, 15 Central av

Jones Geo. E., 9 Clinton
Jones W. Davenport, 402 Broadway
Kern F. C., 14 Gladstone av
King Henry J. & John V., 222 Clinton
Klemm Robert C., 9 Clinton
Klemmt Mayard O., 942 Broad.
Knopf Chas., 587 S. 10th
Koenigsberger F. H., 77 18th av
Lake Frederick, 9 Clinton
Lehman Wm. E., 738 Broad
MacLagan Peter T., 552 Summer av
Merten Paul, 103 Osborne terrace
Murray Clifford E., 46 S. 7th
Myers Nathan, 71 Nelson pl
Nadel Moses J., 15 Clinton
Nobbe Fred, 142 Market
Peter, Alfred, 830 Broad
Phelps Fred A., 21 Fulton
Pigott Jas. S., 665 Broad
Pryor Robert L., 859 Broad
Rizzolo D. R., 633 N 6th
Robertson Harvey, 230 Highland av
Rosensohn Hyman, 188 Market
Schoenig Wm. K. & Son, 438 Peshine
Scudder Henry D. Jr., Essex bldg
Shoemaker Marshall N., 15 Central av
Silberstein M. B., 119 Springfield av
Simpson John T., 31 Clinton.
Steinbrenner Chas. L., 31 Clinton
Stout E. C., Prudential bldg
Strombach V. H., 989 Springfield
Sutton F. S. & S. E., 9 Clinton
Veix & Klebold, 738 Broad
Waferling John A., 810 Broad
Walters Alfred, 15 Tremont av
Warren Edward V., 801 Essex bldg
Warren John B., Essex bldg
Wurth Ed. A., 207 Market

NEW BRUNSWICK—Boylan Wm. H., 390 George
Merchant Alexander, 363 George
Williamson D. D., 390 George

NORTH BERGEN—Manahan Edwin F.
NORTH PLAINFIELD—(See Plainfield)
OCEAN CITY—Van Gilder Ralph Hayes

ORANGE—Colt Samuel S.
Eichhorn Augustus, 81 Essex av
Lamb John J.
Nucciatone Albert P., 9 Taylor
Scrocco Daniel J., 263 Main

PALISADE—Granville W. Dexter.
Sibley Ernest, Licht L. C., Hacker & Hacker Associated, Edgewood la & Bluff rd.

PASSAIC—Fritz Herman, 237 Main av
Ginsburg Abraham, 11 Bloomfield av
Kelly John F., P. O. bldg
Meeker Wm. M., Park & Exchange pl
Pattison Warren C., 637 Main av
Preiskel Abram, Hobart Trust bldg
Struyk John S., Post Office bldg
Waterhouse Chas B., 657 Main av

PATERSON—Benjamin Chas. H., 772 E 25th
Crosby H. B., 1st Nat'l Bank bldg
De Rose Jos., 119 Ellison
Fanning Wm. T., Colt bldg
Fielding Fred A., 117 Buffalo av
Gordon Wm. F., 445 20th av
Grosso Flavio B., 126 Market
Rutan Abram R., 9 Colt
Schwarz Fred'k J., Colt bldg
Shore E., 61 Prince
Sleight Albert E., 136 Washington
Stephens Harry Thornton, 152 Market
Van Vlandren & Cuhier, 140 Market
Wentworth Fred. W., 146 Market
White Chas. E., 617 E 24th

PERTH AMBOY—Brooks Geo. W.
Dayton & Smith
Goldberger Benj., 117 Smith
Pierson J. N. & Son

PLAINFIELD—Fisher Geo. H., Jr., 224 Manson pl
French Edw. V., 143 North av
Metcalf Fred L., 143 North av
Smith Chas. H., 124 Grove

POMPTON PLAINS—Phillips Albert
PRINCETON—Hill Harry A.
RED BANK—Delatush J. C. & G. A.
Swannell Jos.
Terhune Edgar A. Cor. Hudson av & Linden pl.

ROSELLE PARK—Polhemus P. B.
SEABRIGHT—Thorp Alfred H. Esq
SHORT HILLS—Renwick, W. W.
Thomas Tysilio

SOMERVILLE—Van Nuys P. C.
SOUTH ORANGE—Bird Louis Francis
Colley Chas. E.

SPRINGFIELD—Carter Wm. P.
SUMMIT—Cady Jno. N.
Dow J.
Shapter Rich. S.
White B. V.

TEANECK—Suppes John F.
TENAFLY—Redfield Henry W.
TOMS RIVER—Elkinton P. P.
TOWN OF UNION—(See Weehawken)

TRENTON—Atkin Harry, American Mechanics' bldg
Fowler P. L. Co., Fitzcharles bldg
Hankin Walter, 39 E. State
Hunt J. Osborne, Hunt bldg
Pette John P., Forst-Richey bldg
Schumann Robt. A., 202 W. State
Slack Wm. W., St. Regis bldg

UNION HILL—Lugosch J. D., 21 Bergenline av
Schultz Peter L., Dispatch bldg

UPPER MONTCLAIR—Mead Charles A.
Simpson A. W.

VINELAND—Fisher Henry, 97 Main road
WEEHAWKEN—Vivarttas Percie A., 110 4th
WESTFIELD—Collins Edw. R.
Darsh Chas. H.
WEST HOBOKEN—De Paola Angelo, 106 18th st
Helmers Jno. G., 814 Union
McDermott Edward Co., 582 Spring
Randall Chas. W., 201 Lake
Schultz Peter L., 256 Summit av
Weber Jos., 132 26th
Weir W., 309 Gaugehgue

WEST NEW YORK—Lugasch J. P., 21 B'line av
Mayers W., Jr., 71 B'line av
Muller Chas. H. A., 322 15th
Turck Joseph, 770 Bergenline av
Willaredt Geo., 411 23d

WEST ORANGE—Decker John, 19 Ridgeview av
Tappan Frank E.
Roos Carl L., 252 Main

WESTVILLE—Dickinson Frank L.
WILDWOOD—Boyer Lynn H.
WOODBRIDGE—Meyer Hans
WOODBURY—Shivers Clifford H.

NEW MEXICO.

ALBUQUERQUE—Cristy, Edward Buxton
DEMING—Brown Edwin H., Am. Red Cross, Camp Cody
EAST LAS VEGAS—Barrett Chas. W., Crockett bldg.
ROSWELL—Carr C. R., 204½ N. Main.
Nelson J. M.
SANTA FE—Rapp I. H. & W. M. & Hendrickson A. C.

NEW YORK.

ALBANY—Delehanty Andrew L., 17 Steuben
Emery & Van Guysling, 7 Clinton av
Fuller A. W., 95 State
Gleason Thomas L., 45 Maiden la
Johnson J. Henry, 95 State
Loth & White, 109 State
Nichols & Gardinier, 26 N. Pearl
Obenaus, Wm. J., 119 State
Ogden & Gander, 17 Steuben
Pagano Peter J., 61 Maiden Lane
Pember, Whittemore & Demers, 24 James.
Reynolds Marcus T., 100 State
Rogers Howard, 445 B'way
Rose Robert J., 116 State
Selkirk Alex, 133 N Pearl
Shattuck James Scott, 86 State
Shoemaker J. D., 24 James
Strickland, Blodget & Law, 7 Wash. av
Tracey John, 33 Maiden Lane
Van Guysling W. H., 9 Clinton av

ALEXANDRIA BAY—Reid J. B.
ALTAMONT—Wright Wheeler D.
AMITYVILLE—Inglee Lewis

AMSTERDAM—Cassidy David D.
Friderici Jonas D, 36 Jewett.
Machold C. Bernhard, 307 Guy Pk. av.
Niles Leland, 46 Market.

ASTORIA—(See N. Y. City, Borough of Queens)

AUBURN—Armstrong Frank H., Seward blk
Hilger Samuel E., Seward blk
Tallman & Betts, 17 Dill

BABYLON—Kelwin H. J.
Van Weelden H.
Wichman H. G.

BALDWIN—Carretto Gustave
Krawiec I.
Seaman A.

BATAVIA—Homelius Frank H.
BEACON—Van Slyck Chas. B.
Venus Alfred Day

BINGHAMTON—Conrad Chas H., Phelps bldg
Cummings Geo. Barn, Security bldg
Dickerman E. W., Peoples Trust Co. bldg
Gardner H. S., Ackerman bldg
Jewell & Umbrecht, Kilmer bldg
Kaley L. J., City Hall
Lacey Sanford O., Phelps Bank bldg
Lacey T. I. & Son, Kilmer bldg
Tiffany Harry R., Phelps bldg
Vosbury C. Edward, Savings Bk. bldg
Whitlock Walter H., Security Mutual bldg

BREWSTER—Waite Frank E.
BRONXVILLE—Kent W. W., Lawrence Park

BROOKLYN—(See New York City, Borough of Brooklyn)

BUFFALO—Associated Buffalo Architects, 232 Delaware av
Backus Frederick C., 360 Delaware av
Bacon & Surkey, Erie Co. Bank bldg
Bley & Lyman, 250 Delaware av
Buell Benning C., Andrews bldg
Cary George, 101 W. Huron
Cimini Pasquale L., Lafayette bldg
Clergy Stephen J., 889 Michigan av
Colson Ellicott B., Dun bldg
Cook Harold, 408 Pearl
Esenwein & Johnson, 775 Ellicott sq
Fayfield Robert C., Iroquois bldg
Francis Wm. C., 64 Pearl
Fuchs Wm. L., 193 Ashland av
Gale G. Manning, Prudential bldg
Goldstein Eli W., Mutual Life bldg
Green Edw. B. & Sons, Inc., 75 Niagara
Greenstein L., Prudential bldg
Holland H. Osgood, 232 Delaware av
Hopkins, Albert H., 451 Main
Horton Harvey S., Prudential bldg
Hudson, Harry F., Dun bldg
Joralemon Edgar E., 482 Delaware av
Kalinowski Bruno A., 94 Walden av
Kidd F. J. & W. A., 232 Delaware av
Lewis & Hill, 892 Main
Mang Gustovus A., Erie Co. Bk bldg
Merritt Aaron R., Erie Co. Bk. bldg
Miller Martin C., 70 W Chippewa
Moeller Edw. H., 394 Pearl
Mott Chas. Earle, Prudential bldg
North, Shelgren & Swift, Crosby bldg
Oakley & Shallmo, 117 W. Tuppur
Porter Cyrus R. & Sons, 73 W Eagle
Post A. A., Brisbane bldg.
Schmill Carl & Son, Prudential bldg
Schultz Julius C., 1370 Main
Schurman Frank M., 18 Maple
Smith Harry G, Mrn. Trust bldg
Spankenberg Frank A., 250 Delaware av
Spann Henry L., 52 W. Chippewa
Swain Herbert, 52 W Chippewa
Walker Jas., Prudential bldg
Wallace Robert A, Mutual Life bldg
Wannenwetsch C. H. A. & Co., 563 William
Wicks & Hopkins, 110 Franklin
Wolfe G. Morton, 1377 Main
Wood & Bradney, Andrews bldg

CARTHAGE—Patterson A. W.
CATSKILL—Beardsley C.
CEDARHURST—Howard & Howard, Cedarhurst av
CENTRAL SQUARE—Smith Thos.
CLIFTON SPRINGS—Barton George Edw., Consolation House
COHOES—Goddard Wm. M.
CORNWALL—Taylor Harvey B.
CORTLAND—Clark C. W.
EAST HAMPTON—Lawrence J. Custis
EAST SETAUKET—Lyons T. H.

ELMIRA—Bickford H. H., 118 Lake
Pierce & Bickford, 120 Lake

ENDICOTT—Crawford F. S., 18 Adams av
EVERGREEN—(See New York City, Borough of Queens)
FAR ROCKAWAY—(See New York City, Borough of Queens)
FLUSHING—(See New York City, Borough of Queens)
FREDONIA—Beebe H. P.
GENEVA—Adams Lloyd P.
Hill I. Edgar

GLENS FALLS—Howe Clinton
Lawrence W. E.
McDonell J. Harold
Potter E. B.
Scales W. J.
Shippey Ward G.

GLOVERSVILLE—Comstock & Van Dreser
GREENWICH—Smith Frederick G. C.
HASTINGS UPON HUDSON—Hastings F. L.
HEMPSTEAD—Baylis I. B.

HERKIMER—Cassidy S. W.
Cronk Charles E.
Sluyter R. E.

HORNELL—Losie C. S.
Thompson E. J.

HUDSON—De Prosse Victor A.
Moul H. S.
O'Connor M.

ISLIP—Scheffer Morris L. J.

ITHACA—Gibb Arthur N., Trust Co. bldg
Hinckley Henry N., Savings Bank bldg
Martin Clarence A., Cornell University
Miller & Mallory, 139 E State
Miller William Henry, Sage block
Phelps Albert C., Cornell University
Vivian Clinton L., 120 E State
Waltz Ornan H., Trust Co. bldg
Wilgus Jno. M., 102 E State
Young Geo. Jr., College of Arch., Cornell

JAMESTOWN—Hultgreen C. O.
Johnson & Ford, 610 Fenton bldg.
Mason Joseph
Pederson C. C.
Phillips, Fidler & Beck
Rulifson J. W.

JAMAICA—(See New York City, Borough of Queens)
KATONAH—Wetzel John A., Hillbourne
KENWOOD—Skinner Theodore H.

KINGSTON—Betz Gerard W.
Lowe George
Rice Thomas P., 72 Summer
Teller Myron

LARCHMONT—Fish Ferd, (Suburban work only)

LOCKPORT—Blackley, Linus J., 481 Pine.
Moon John, 21 Main.
Willie L. C., 322 East av.

LONG ISLAND CITY—(See New York City, Borough of Queens)
LOWVILLE—Rich W. H. Son & Co.
MALONE—Hugaboom S. G.
MAMARONECK—Oakley Chas. T.
MARATHON—Holmes John (& Builder)

MASPETH—(See New York City, Borough of Queens)

MIDDLETOWN—Canfield D. H.
Valkenburgh E. P.

MOUNT KISCO—Meres F. Guy

MOUNT VERNON—Acocella Michael A.
Greenfield Robt. A., P. O. bldg
Guttenberg S. A., Proctor bldg
Jenks A. Murray
Krais William, 146 Vista pl
Lucas Herbert, Lucas bldg
Middleton Wm. B., 110 W Sidney av
Miller Geo. L., 13 S 3d av
Olphert Geo. H. Jr., Proctor bldg
Perry James H., 349 S 4th
Rogers Robert E., 347 S 4th av
Stickles Walter F., 10 N 2nd av
Wolf Clarence J., 3 S 3d av.
Wright, Frank M., 30 Claremont pl

NAPANOCH—Norden Andrew B.
NEWARK—Krabbenschmidt E. A. P.
Van Buren Charles

NEW BRIGHTON—(See New York City, Borough of Richmond)

(Continued on following page)

Architects—Continued

NEW YORK—Continued

NEW ROCHELLE—Banard Lawrence, 46 Lawton
Calafati Salvator S., 224 Main
Fernschild Geo. J., Jr., 192 Main
Gioria Giuseppe, 19 Madeleine av
Kilthau Girstav, 1 Neptune Island
Lupprain Chas. A., 180 Main
McCormick Harry E., 270 Main
Sundberg August, 78 North av
Vallett Henri, 11 North av
Winter Frederick E., 270 Main
Winters Frederick E., 236 Huguenot.
Wise Lorrillard, 254 Huguenot

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Adams Frank, 59 Montrose
Adelsohn E. M., 1776 Pitkin av
Allmendinger Louis, 20 Palmetto
Amendola A., 1357 Greene av
Anderson August B., 371 Fulton
Anderson Chas. E., 1620 Av S
Auslander Alfred, Queens, L. I.
Baker John M, 9 Jackson av
Banks Robert V., 95 Bway.
Bennett Thos., 7826 5th
Berger Louis & Co., 1696 Myrtle av
Berlenbach F. J., 260 Graham av
Berman Morris, 638 Stone av
Berman Moses, 425 Quincy
Bernstein Murray, 241 Floyd
Blakelock W. O., 9303 Sutphin blvd
Blaustein Allen A., 1102 Kingshighway
Bly & Hamann, 551 Nostrand
Boegel Wm. J., 8566 115th
Boyle Jas. A., 367 Fulton
Braun Frank, 233 Ditmars av
Braun Chas., 459 41st
Brook Abraham, 26 Court
Brooks Irving, 26 Court
Brucker Henry C., 2549 Myrtle
Burke & Olsen, 32 Court
Burmeister John C. F., 9429 85th rd
Byrne Edw. J., 180 Falmouth
Cantor M. A., 373 Fulton
Cannella Charles P., 1163 Herkimer
Caplan, Philip, 16 Court
Carroll John J., 999 Bedford av
Chase Franklin M., 861 Manhattan av
Chmelik Frank, 45 18th
Coco Peter M., S Parsons av
Cohen Jack, 447 Rockaway av
Cohn Bros., 363 Stone av
Cohn Max, 189 Grand
Collins Murphy & Lehman, 159 Remsen
Conway W. J., 400 Union
Cornell Jos. H., Mott av
Corso Sam, 1004 Willoughby
Crane Geo. E., 615 Stoothoof av
Crowley Arthur F., 144 West av
Cytryn Jack W., 336 Barrett
Danancher & Levinson, 328 Fulton
Dangler Harold G., 215 Montague
Darrin A. F., 949 Park pl
Dassau Fred'k, 26 Court
Dean Harry, 10423 220th
Debus Wm., 86 Cedar
Devahl L., 6921 Bannister av
DiBlasi Alfred, 99 E. Jackson av
Dorf Edw., 614 Kosciusko
Dorf Harry, 614 Kosciusko
Driesler Benj., 278 Henry
Driesler Benj., Jr., 153 Remsen
Durben Jacob S., 233 Ross
Dussich Jos. L., 196 Bay 14th
Ebbecke Albert A., 104 St. Marks av
Eccles A. H., 76 Hoyt av
Engelhardt C. P., 905 B'way
Engelhardt Theo. H., 905 Broadway
Entlich Henry M., 413 S 5th
Erda Gustave, 826 Manhattan av
Farber Abraham, 1746 Pitkin av
Fasolino A. J., 1666 E 7th
Fein J., 211 Snediker
Feinberg J., 3904 Clarendon rd
Fenichel Irving M., 922 48th
Fetscher Chas. W., 8625 108th
Finkelstein Harry, 44 Court
Fischer Adam E., 373 Fulton
Fischer Geo. J., 406 12th av
Forsythe J. W., 13824 Jamaica av
Frank L. J., 549 Autumn av
Freshman Philip, 350 Fulton
Friedland Louis H., 177 Penn
Funk H., 8635 132d
Galizia Jos. J., 1 Weber's Walk
Gastmeyer Chas., 1696 Myrtle
Georgi Edwin C., Woodhaven, L. I.
Gens Chas. Jr., Bellaire Pk
Gibson & Kay, 2522 Pitkin av
Glassman Benjamin A., 44 Court
Gleich Abraham, 4509 14th av
Glucksman Benj. L., Nat. Bank bldg
Glucroft & Glucroft, 729 Flushing av
Goldberg Adolph, 354 State
Goldberg Benjamin, 76 Willoughby
Goldman Gustave, 185 Penn
Goldstone & Tobias, 50 Graham av
Goodman Chas., 375 Fulton
Gorman John A., 394 Graham av
Gronenberg H., 1857 63rd
Gunter Evan L., 592 Decatur
Gunther Jos. J., Nat. Bank bldg
Halliday Walter I., 28 Union Hall
Hamann J. Henry, 109 Forest av
Hamburger Irwin G., 186 Remsen
Harrington H. G., 311 100th
Helm Wm. B., College Pt., L. I.
Hewitt Chas. W., 613 Academy
Hirsch Max, 26 Court
Hohauser Henry, Whitehall bldg
Hohauser & Holthausen, 16318 Fulton
Holder Henry, Jr., 242 Franklin av
Holler & Kleinhenz, 1012 Gates av
Holmgren Eric O., 373 Fulton
Hooper Thos., 103 Pineapple
Horn Herman A., N Hempstead Tpke
Hovell E. T., 1132 Halsey
Hudson Benj. F., 186 Remsen
Imperato F. P., 126 4th
Infanger Chas., 2634 Atlantic av
Irrera Raymond, 269 Steinway av
Jarden C. J., 1760 31st
Jeffrey H. T., Jr., 309 Fulton
Kallich I., 375 Fulton
Kallich Isaac, 2151 86th
Keifer Henry, 2031 Metropolitan av
Kelly Frank E., 159 Remsen
Kennedy J. Sarsfield, 157 Remsen
Kennedy W. T. & Co., 222 Bch. 82d
Ketcham Ansel T., Cdrhrst., L. I.
Kieswetter & Hamburger, 186 Remsen
Kirchhoff F. J., 313 Vesta, Elmhurst
Kirshenblit I., 2245 Pitkin av
Klein Murray, 39 Graham av
Kleinhenz J. G., 1012 Gates av
Knobloch Philip G., Woodhaven
Knowles W. W., Bridge Plaza
Koch Arthur R., 26 Court
Koeppel Emil, 7826 5th av
Koester Chas. L., 9 Jackson av
Kunzi Albert C., 416 Crocus pl
Kunzi Albert C. A., Lamartine & Highland
Kurth Otis E., 61 Stanford
Lacerenza W. A., 128 Penn
Lacerenza Wm. A., 16 Court
Lama & Tricarico, 391 Fulton
Lanzarone I. H., 60 Jefferson
Laspia Frank V., 269 Broadway
Lauritzen L., 308 Livingston
Lehmann Edward A., 159 Remsen
Leppin Wm. F., 1335 St. Mark av
Levinson David J., 16318 Jamaica
Levy & Berger, 375 Fulton
Levy Wm., 1753 Pitkin av
Linn John N., 373 Fulton
Liquoraik Herman, 255 Concord
Lobejager Chas. M., Sackett Corona
Lobenstein Geo. J., 859 Flatbush
Loeffler Rupert Jr., 8707 188th
Lovell C. P., 44 Court
Lubroth J., 1903 78th
Lubroth Jacob, 44 Court
Lucas D. A. & Co., 2224 E 19th
Ludwig Rudolph, 9 Jackson av
Lukowsky Richard L., 119 Newtown
McAvoy-Smith Bridge Plaza N
McCarthy W. T., 159 Remser
McDonald S. Barclay, 1630 Surf av
McKenzie-Voorhees & Gmelin, Coney Island av
McKillop Jas., 821 Manhattan
MacLean Alex., 14927 Jamaica av
Madigan G. Harry, 243 Withers
Magnoni Angelo 103 50th
Magrath James W., 367 Fulton
Malkind Samuel L., 105 Court
Margolin M., 383 Jay
Mathieu Joseph, 316 Flatbush av
Meissner A. F., 53 Union av
Meyer & Mathieu, 316 Flatbush av
Michel J. G., 77 76th
Millman S. & Son, 1780 Pitkin av
Minoli Silvis, 1 Bode, Elmhurst
Montgomery H. P., 64 Reade
Morris H. Thomas, College Point, L. I.
Morris Montrose Sons, 1192 Dean
Morris Robert R., 720 Decatur
Moscowitz Benj., 175 E Pkway
Murphy & Lehman, 159 Remsen
Nurick H. J., 44 Court
Ober Frederick, 3314 Clarendon rd
Okun John J., 1436 41st
Palazzotto Andrew, 174 Stockholm
Pannaman F. F., 2038 59th
Pascale N., 15 E Jackson av, Corona
Patroka Salvatore J., 954 Bedford
Peristein Morris Hinman, Middle Village, L. I.
Petrolino Rocco, 64 Hoyt av
Pfeiffer J. Bernard, 18420 89th av
Pierce A. White, 1564 Flatbush
Podeyn Fred, 3837 Av M
Powers Jos. P., Hammels, L. I.
Prowler Gilbert I., 367 Fulton
Raeger Geo. C., 106 Av O
Ramming Walter J., 10026 87th av
Randazzo F. E., 807 New Lots av
Reid John & Co., 30 Church
Reiser Mac L., 1677 Pitkin
Ricca & Ungarleider, 186 Remsen
Richardson A. Edw., 154 Amity
Rocker, Harry, 373 Fulton
Rockower S. L., 8608 Bay pkway
Rothstein Morris, 26 Court
Ruehl Paul P., 840 11th av
Rupp Bros., Inc. (& Builders) 180 Montague
Savignano Ferdinand, 6005 14th av
Schaefer Robt. J., 1526 Flatbush av
Schaeffel B. A., 17 Richmond
Schiller V., 335 11th av
Schoeller A., Way Corona, L. I.
Schuszler A. L., 385 Lewis av
Schwebel Benjamin, 391 Fulton
Seelig & Finkelstein, 44 Court
Segal Ralph H., 6 3d av
Shampan & Shampan, 188 Montague
Shape-Bready & Peterkin, Inc., 16318 Jamaica av
Shirkey C. G., 222 Bch. 82d
Silverstein H., 350 Stone av
Simberg A. J., 2113 62d
Simon Arthur P., Queens, L. I.
Simon M. R., 8910 97th
Simpson E. B., Hempstead Turnpike
Simpson Jno., 430 48th
Slee & Bryson, 154 Montague
Smith Morrell, 16110 Jamaica av
Snyder C. B. J., 2796 Bedford av
Sorice A. P., Jr., 363 Fulton
Spaulding W. H., 16318 Jamaica av
Spero Carl Jr., 7523 Ridge blvd
Spindler & Sackheim, 164 Montague
Sproesser Wm., Jr., 93 47th, Corona
Staudt O. A., 566 Rogers av
Steigman Philip, 188 Montague
Steiiges Edw. W. Jr., 40 Kneer av
Stephan H. R., Whitestone, L. I.
Stidolph & Campbell, 8619 Broadway, Elmhurst
Stines A. H., Jr., 300 Grand, Maspeth, L. I.
Stork F. W. & Nelson, 7416 3rd av
Streeter Daniel Denison, 217 Havemeyer
Thieme Fred R., 619 81st
Thompson Albert, 1030 Bedford av
Thompson Missac, 191 Montague
Trapani Paul & Bros., 879 Woodward
Tricarico John J., 391 Fulton
Ulirich Albert, 373 Fulton
Unger Jos., 93 Amity
United Architectural Wks., Inc., 185 N 9th
Varrone C. L., 166 Corona av., Corona
Vollweiler Fred, 1612 Broadway
Volz Hans C., 373 Fulton
Von Feide Wm., Middle Village
Voss & Lauritzen, 308 Livingston
Waeber Max L., 78 Wilby
Wagner Chas. C., 32 Court
Waillant Louis F., 394 Graham av
Wandell Jno. C., 477 86th
Wasselle Felix J., 197 Bedford av
Weinstein H. A., 375 Fulton
Weinstein Martyn N., 105 Court
Wenzlik R. H., 502 4th
Werner Chas., 316 Flatbush av
Werther J. E., 371 Lockwood
Wessel Chas. G., 1399 E 4th
Wills Walter B., 852 Monroe
Winters Wm. C., 106 Van Sicklen av
Wortmann Dr., 8732 Bay 16th
Yarish Harry A., 42 Graham av
Ziot Harry, 303 Bedford av

Boroughs of Manhattan and Bronx.

NEW YORK—Abbott Franklin, 52 Van av
Aalholm & Hopkins, 1170 Broadway
Abell Smalley & Myers, 220 W 42nd
Abramson Louis A., 46 W 46th
Ach David M., 1 Madison av
Ackerman Frederick L., 25 W 44th
Acock F. W., 103 Park av
Adam Louis A., 2 W 45th
Adams Harold F., 68 William
Adams Rayne 40 W 40th
Adams Wm., 15 W 38th
Adler M. B., 236 W 55th
Ajello Gaetan, 52 Vanderbilt av
Albro Jas., 101 Park av
Albro Lewis C., 2 W 45th
Alexander Aaron G., Cent. terrace
Allen Augustus N. 2 W 45th
Allen Jerome R., 101 Park av
Allen Paul R., Gr. Cent. Term.
Almiroty Randolph H., 46 W 46th
Amory, F. D., Jr., 10 E 43rd
Amsler Jacob H., 2034 Continental av
Amunsen Alteration & Contracting Co., 123 William, 470 W 141st
Anderson Chas. G., 171 Madison av
Andrews F. M., 221 W 57th
Annitto Edw. M., 333 4th av
Anstey A. D., 162 W 20th
Anthony Norman T., 27 E 40th
Anthony Wilfred E., 16 E. 44th
Archts. Small House Service Bureau, 101 Park av
Arend Ernest A., 105 W 40th
Armstrong & De Gelleke, 122 E 25th
Aspinwall J. Lawrence, 8 W 40th
Atterbury Grosvenor, 139 E 53rd
Austin Wm. E., 46 W 24th
Axt Geo. F., 33 W 42nd
Ayres Louis, 100 E 42nd
Bacon H., 101 Park av
Bacon John F., 101 Park av
Baker Jas. McF., 21 E. 40th
Baker John L., 247 Park av
Ballinger Co., 100 E 42nd
Bannister & Schell, 339 Lexington av
Barber Donn, 101 Park av
Barber Joel D., 256 E. 68th
Bardes Phillip, 230 Grand
Bark Victor, Jr., 505 5th av
Barnes Roderic B., 70 5th av
Barnum Phelps, 385 Madison av
Barratt Roswell F., 10 W 33rd
Bartlett Geo. M., 103 Park av
Bates & How, 35 W 39th
Baum Dwight Jas., Spuyten Duyvil Parkway & Waldo av
Baylies A., 33 Bible House
Beardsley L. S., 116 W 39th
Becker S. V., 1301 Boston rd
Becker Samson V., 819 E 169th
Beder Harold W., 334 5th av
Beers W. Harmon, 333 4th av
Behr Frederic H., 100 E 45th
Behrens Norman H., 1 Pershing sq
Beineix & Snyder, 10 E 43rd
Belknap Maitland, 101 Park av
Bell Algernon S., 49 Irving pl
Bell Thomas M., 50 E 42nd
Benedict Eli, 355 E. 149th
Benedict Frederick S., 100 E 42nd
Benedict Wm. K., 126 E 59th
Beran James J., 48 E 34th
Berger A. G., 345 Madison av
Berger Bruno W. & Son, 131 Bible House
Berger Richard, 309 B'way
Bergesen John, 511 W 143rd
Bergman Harold A., 231 Madison av
Berkowitz A. I., 80 2nd st
Berlinger J. M., 469 7th av

Bernstein Mitchell, 137 E 41st
Berube Alfred A., 152 W 42nd
Bessell Wesley S., 58 W 49th
Bettis Chas. H., 345 Madison av
Bial Geo. F., 17 Battery place
Biele Carl F., 381 W 12th
Birge Charles E., 29 W 34th
Birkmire Harold, 1819 Broadway
Bissell Frank H., 157 E 44th
Blair Walter D., 154 E 61st
Blake T. E., 52 Vanderbilt av
Blanchard Huse Templeton, 137 E 46th
Blauvelt Raymond D., 59 Pearl
Bleich J., 819 E 166th
Bleier David, 3223 Kingsbridge
Bloch & Hesse, 18 E 41st
Blodgett Albert A., 120 E 40th
Bloodgood Wm. E., 45 E 34th
Blum Geo. & Edw., 505 5th av
Bodker A. J., 37 W 57th
Boehler Rudolph C. P., 116 W 39th
Boegel William J., 185 Madison av
Boehm Geo. A. & H., 587 5th av
Boese, John, 280 Broadway
Bonagur Vincent, 789 Home
Bonanno A., 1371 3rd av
Boring & Tilton, 141 E 45th
Bossom Alfred C., 680 5th av
Bosworth Wm. W., 527 5th av
Bottomley Wm. Lawrence, 112 E 55th
Bowdoin & Webster, Grand Central Terminal
Bowler Robt. B., 360 Madison
Brady Albert I., 119 Broad
Brandon Alfred E., 30 W 134th
Brandt John (& Builder), 271 W. 125th
Braun Henry H., 114 E 48th
Brazer Clarence W., 1133 Broadway
Breed F. Nelson, 17 E 49th
Brenner Sam'l, 1924 University av
Briggs John T., 607 5th av
Bristol R. W., 597 5th av
Brogan P. F., 36 8th av
Brown Archibald M., 140 E 39th
Brown Bache H., 100 E 45th
Browne Fredk. C., 209 W 102d
Brun C. B., 48 6th av
Brunner Arnold W., 101 Park av
Bruno Earnest J., 445 E 122nd
Buchman & Kahn, 56 W 45th
Buchtenkirk Geo. C., 280 Madison
Buckham C. W., 19 E 32nd
Buckham Chas. W., 175 5th av
Budd K. C., 10 Gramercy pk
Bullards Rogers H., 15 W 38th
Bunce J. Oscar, 101 Park av
Burkhard & McGovern, 527 5th av
Burley Jas. L., 363 Lexington av
Burnett E., 247 Park
Burnham Philipp W., 185 Madison av
Burton Howard, 101 Park av
Busch W., 51 Barclay
Busselle Alfred, 347 Madison av
Butera S., 557 Van Nest av
Butler & Corse, 10 E. 44th
Butler & Rodman, 56 W 45th
Butler Lawrence S., 101 Park av
Cadmus Oscar P., 157 E 44th
Caggiano John, 2470 Hoffman
Caldwell Chas. H., 101 Park av
Calhoun Charles L., 16 E 33rd
Cali Carl, 81 E 125th
Campbell J. I., 976 Woodycrest av
Campbell Shiras, 36 W 40th
Candela Rosario, 200 W 72nd
Candler Duncan, 753 5th av
Cannava & Viviani, 47 W 42nd
Cannert Jules, 10 E 42nd
Cardo M. A., 3068 Roberts av
Cardo Michael A., 405 Lexington av
Carpenter James E. R., 598 Madison
Carrere & Hastings, 52 Vanderbilt av
Carson L. A., 7 E 42nd
Casale James E., 128 E 58th
Casazza Geo. J., 1133 Broadway
Casey Edw. P., 149 Broadway
Catsanos A., 101 Park av
Caughey & Evans, 29 W. 34th
Cavalieri Geo. J., 370 E 149th
Chace Franklin M., 125 E 57th
Chalfin Paul, 597 5th av
Chambers Walter B., 111 E 40th
Chance Geo. W., 47 W. 34th
Chapman F. Burnham, 4 E 39th
Chapman Henry Otis, 171 Madison av
Chapman Howard, 315 5th av
Chapman Josephine W., 76 Wash. sq
Chappell & Bosworth, 253 Broadway
Chard Thornton, 101 Park av
Cherry Wm. John, Grand Cent. Term.
Childs E. S., 29 Broadway
Childs Henry T., 280 Madison av
Churchill Henry S., 126 E 59th
Clark & Arms, 137 E 46th
Clark Jos. H., 15 W 38th
Clark Samuel Adam, 146 E 46th
Clawson Harry M., 17 E 49th
Cleverdon R. N., 1624 University
Clinton & Russell, 100 Maiden Lane
Clinton C. K., 363 Lexington av
Cobb Henry Ives, 1465 B'way
Coffin & Coffin, 522 5th av
Coffin Lewis A., 15 E 40th
Cohen Samuel, 45 W 57th
Cohen Simon, 2205 5th av
Colby Frank A., 70 5th av
Colt Stockton B., Grand Central Term.
Comstock Corry B., 110 W. 40th
Conable Geo. W., 46 W. 24th
Congdon Henry M. & Son, 10 W 23rd
Congdon Herbert W., 10 W 23rd
Conn Robins L., 8 E 9th
Conner & Casey, 236 W. 55th
Conover J. Hallam, 114 Liberty
Conover Warren H., 114 Liberty
Converse Rob Roy S., 101 Park av
Coote Arthur W., 101 Park av
Corbett Harvey W., 132 W 42nd
Corey Russell, 30 Church
Cornelius Chas., 100 E 17th
Corneli Frank T., Grand Central Term.
Cossa John A., 3550 Carlisle place
Cotter Eugene, 587 5th
Couchois G. J., 29 W. 34th
Country Cottage Co., Inc., 342 Madison
Courland Maurice, 366 5th av
Cowie Robert, 1 Madison av
Cox, John, Jr., 30 E 42nd
Cox Leonard, 101 Park av
Cram & Ferguson, 33 W 42d
Cramer A. Henry, 120 E 40th
Crane & Franzsheim, 345 Madison
Crane Chas., 151 W 42nd
Crane Geo. E., 8711 114th
Crane Theodore, 50 E 42nd
Crausman Israel L., 370 E. 149th
Crosier Geo. P., White Plains av & 223d
Cross & Cross, 385 Madison av
Crow, Lewis & Wick, 200 5th av
Crumley Edwin W., 355 E 149th
Cullen Chas. H., 101 Park av
Cunningham B., 565 B'way
Cusacks Philip Allin, 12 E 46th
Dahler Jerauld, 15 W. 38th
Dana Richard Henry, 350 Madison
Dannenfelser Geo., 2211 Chatterton
Daub, Sidney, 5 Beekman
Davis Albert E., 258 E 138th
Davis Herbert E., 220 5th av
Davis, McGrath & Kiessling, 220 5th av
Davis Wm. H., 350 Madison av
Day John Bagley, 1265 Broadway
Deacy W. H., 681 5th av
Dean Edw. Clarence, 247 Park av
De Gersdorff Geo. B., 103 Park av
De Hart John, 1039 Fox
Delano & Aldrich, 126 E 38th
Delehanty Bradley, 2 W 45th
Del Gaudio Matthew W., 160 W 45th
Delhi Arne, 154 Nassau
Dell Louis E., 1133 Broadway
Della Penna Vitale, 344 E 149th
Denby Edwin H., 333 4th av
Dennison & Hirons, 288 Lexington av
Denslow L. E., 44 W. 18th
Denton Geo. R., 527 5th av
Depace & Juster, 670 E 220th
DeRosa & Pereira, 110 W 40th
De Rosa Eugene, 170 W 40th
De Rose & Cavalieri, 370 E 149th
De Suarez & F. Hatton, 220 5th av
Deutsch Maurise, 35 Maiden la
De Vaux W. Voruz, 635 Park av
Devereaux & Evans, 101 Park av
Dewey F. H. & Son, 175 5th av
Dewsnap Wm., 18 W. 34th
Diemer Julius J., 1 Madison av
Dieterlen Chas. T. E., 2 W. 45th
Dietrich E. G. W., 1 Madison av
Dillon, McLellan & Beadel, 149 B'way
Dilthy Wm. J., 120 Liberty
Ditmars I. E., 111 5th av
Djorup Erhard, 1845 Chisholm
Dodge & Morrison, 160 Pearl
Dominick William F., 27 E 40th
Dress Geo., 116 W 39th
Drexler Wm. D., 226 E B'way
Duff Thos. J., 348 W 14th
Dugan Geo. A., Sr., 200 5th av
Duke Chas. A., 19 W. 44th
Dunbar Robt. C., 247 Park av
Duncan John H., 347 5th av
Dunn Thomas, 37 W 57th
Dunn Thos. F., 953 Woodycrest av
Dunnigan John J., 2383 Grand Conc
Ecob Robert Gilbert, 33 W 42nd
Egan & Giroux, Grand Central Terminal
Eisendrath Simon B., 18 E 41st
Eisinger L. W., 2 W. 45th av
Ellett Thos. H., 101 Park av
Ellis Edmund L., 21 E 40th
Ells Irving B., 1 W. 34th
Embury Aymar, 150 E 61st
Emerson Wm., 154 E. 61st
Emery Hy. G., Bible House
Emery Marshall L., Bible House
Erickson Phillip Morris, 101 Park
Euell & Euell, 154 Nassau
Euell Geo Raymond, 125 Sherman av
Evans Almus P., 101 Park
Ewing & Allen, 101 Park av
Ewing & Chappell, 101 Park av
Exerjian Monoug, 11 E 56th
Fanning Edw. F., 522 5th
Farley Frank C., 238 E 49th
Farley Frank C., 333 4th av
Farnsworth Jas. M., 644 8th av
Farrar Victor C., 4 E 39th
Farrara Benedict, 215 E 114th
Farrell William, 82 E 236th
Farrington Robt. M., 103 Park av
Fash Robt. A., 163 W 20th
Fatio Maurice, 3 E 44th
Feldman H. I., 562 5th av
Fellheimer, Alfred, 5 E 42d
Fels Emil, 17 E 42nd
Felsberg B. G., 47 W. 34th
Felson J. M., 250 W. 57th
Fenichel Irving M., 42 Bowery
Fenner Burt L., 101 Park av
Fenton Warden H., 18 E. 49th
Fernschild G. J. Jr., 280 Madison av
Fetherston Chas. E., 101 Park av
Ficken H. Edwards, 22 E. 17th
Fifty-First St. Studios, 15 W 51st
Fisher Fred W., 1476 Broadway
Fisher Jacob, 25 Av A
Fitch Douglas, 10 W 33rd
Flagg Ernest, 23 Water
Flagg Montague & C. L. Rosbery, 1 Pershing rd
Fletcher Arthur G. C., 157 E. 44th
Ford, Butler & Oliver, 101 Park av
Forman & Light, 63 William
Forster Frank J., 33 W 42nd
Foster & Vassas, 10 E 47th
Fouilhoux J. A., 40 W 40th
Fowler & Weigelt, 2 W 47th
Fox Frederick J., 2804 3rd
Franklin L. Murray Jr., 108 E. 42nd
Franzheim Kenneth, 345 Madison
Freedlander J. H., 681 5th av
Freedlander Jos. H., 681 5th av.
Freeman Alfred, 29 W 34th
Freeman Frank, 280 B'way
Freehof Mortimer E., 135 E 43rd
French F. Co., 350 Madison av
French Leigh Jr., 15 E. 49th
Friedland Louis H., 562 5th av
Friend Jno. H., 148 Alexander av
Fritz Andrew R., 56 W. 45th
Frost Frederick G., 144 E 54th
Fuhs Adolph, 411 E. 69th
Furman Jos., 249 W 34th
Gage S. Edson, 126 E. 59th
Galow Aug. H., 17 E 42nd
Gardner Robt. W., 43 Cedar
Gavigan Jas. J. F., Grand Cent. Term.
Gayler Julius F., 15 E 40th
George Thomas J., 100 Maiden Lane
Gerber Fred, 101 E. 87th
Gescheidt Jacob Co., 142 E 43d
Gette O., 103 Park av
Giele Louis H., 1123 Broadway
Giesen Wm. A., 2403 Creston av
Giesen Wm. A., 316 W 42d
Gilbert A. F., 80 Maiden la
Gilbert A. F., 358 5th av
Gilbert Cass, 244 Madison av.
Gilbert Chas. P. H., 1 Madison av.
Gilbert C. P. H., 1 Madison av
Gillespie Chas. H., 1123 Broadway
Gillespie G. Curtis, 19 Liberty
Gillette Leon N., 128 E. 37th
Gingras Jules, 247 Park av
Ginsberg Horace, 1 Pershing sq
Giroux Leon M., Grand Central Terminal
Githens Alfred Morton, 141 E. 45th
Gleichman Morris M., 207 Dyckman
Godley & Sedwick, 522 5th av
Godwin F. M., 350 Madison
Golden Robert E., 311 Lenox av
Goldfarb & Brandes, 101 W 42nd
Goldhammer Albert, 32 Union Sq
Golding Thos. W., 597 5th av
Goldner & Goldner, 47 W 42nd
Goldrich Phillip, 1834 Broadway
Goldstone Lafayette, 512 5th av
Goltz Louis F., 9 E 47th
Gompert Wm. H., 171 Madison av
Goodhue Bertram G., 2 W 47th
Goodwin Philip L., 4 E 53rd
Gottlieb Albert S., 101 Park av
Graham, Anderson, Probst & White, 120 B'way
Grant Chas. C., 15 W 38th
Gray Albert M., 1402 B'way
Green & Evans, 100 E. 45th
Greenberg A. Benton, 8 W 64th
Greene A. Benton, 8 W 64th
Greene Ernest, 141 E. 45th
Greenfield Robert A., 20 W 34th
Greenleaf Jno. C., 15 W 38th
Greenley Howard, 129 E 54th
Greenwood Jos. R., 210 River Dr.
Gregory Julius, 49 W. 45th
Gregory Wm. S., 1170 Broadway
Grieshaber Carl F., 126 E 38th
Griesser Wilhelm, 120 B'way
Griffiths Gerald A., 116 W 39th
Gronenberg & Leuchtag, 450 4th av
Guard Shirley R., 8 W 40th
Gugler Eric, 101 Park Row
Guldberg Christian, 29 W 34th
Gundlach B., 452 Lexington
Gurd John A., 101 Park av
Gurnee S Harrison, 119 Broadway
Haefell Walter, Grand Central Term
Hahn Henry C., 247 Park av
Hall & Reid, 233 Broadway
Hall Douglas P., 405 Lexington av
Hall Harold E., 1032 Simpson
Hallahan John, 342 Madison av
Hamilton Hector O., 342 Madison av
Hamilton John A., 126 Liberty.
Hamlin Talbot F., 366 Madison av
Hammel Edward F., 45 W 34th
Hammond Franklin P., 565 5th av
Hanauer Ludwig, 338 E 51st
Hanemann J. Theo., 110 E 42nd
Hardenbergh Henry J., 47 W 34th
Harder Julius F., 120 W 32d
Harney G. E., 49 Irving pl
Harrington W. H., 511 Madison
Harris Sol J., 198 Broadway
Harrison Henry, 45 W 116th
Harrison M. Joseph, 63 Park row
Hart Chas. M., 247 Hart
Hart Donald P., 27 E 40th
Haskell Wm. C., 8 W. 40th
Hasselman Francis G., 53 W 39th
Hastings Thomas, 52 Vanderbilt av
Hatton John M., 220 5th av
Haugaard Wm. E., 185 Madison av
Hausle Frank, 81 E 125th
Hausle Max, 3307 3rd av
Hawley Hughson, 1 Union sq W
Hays J. Acker, 48 6th av
Healy Henry J., 49 Irving pl
Hedman Axel S., 112 E 19th
Helmle & Corbett, 132 W 42nd
Hemstreet W. F., Woolworth bldg
Henderson Harry K., 40 W 40th
Henkel Paul Revere, 311 E 161st
Heps Henri C., 70 E 45th
Hering Oswald C., 10 W. 33rd
Herts Henry B., 25 W 43rd
Hertz & Robertson, 247 Park av
Hertz Samuel A., 15 W. 38th

(Continued on following page)

Architects—Continued

NEW YORK—Continued

NEW YORK—Herzburn Bernard, 709 6th av
Hesse Walter, 18 E 41st
Hewitt Edward S., 597 5th av
Hewlett Wm. A., 129 E 27th
Heyl Irving F., 14 E 46th
Higgins Chas. H., 19 W 44th
Higgins Ralph B., 19 W 44th
Higginson Wm., 18 E 41st
Hill Clinton M., 347 Madison
Hill Geo., 25 Church
Hinchman John H. & F. B., 405 Lexington
Hiss & Weekes, 18 E. 49th
Hoffman F. Burrall Jr., 147 E 51st
Hohauser Wm. I., 1400 Broadway
Holden, Arthur C., 101 Park av
Holden Frank H., 56 W 45th
Holden Lansing C., 103 Park av
Hollingsworth & Bragdon, 17 W 45th
Holmes & Van Schmidt, 299 Madison
Holmes & Winslow, 134 E 44th
Holmes Gerald A., 101 Park av
Holstein David, 723 E 160th
Holton Alfred J. S., 100 Maiden Lane
Hood Raymond M., 40 W. 40th
Hooper Parker Morse, 154 E. 61st
Hopkins Alfred, 101 Park av
Horenburger Herman & Son, 859 Jackson av
Horn E. C., Sons, 1476 B'way
Hornum Louis A., 405 Lexington av
Horowitz Max R., 17 W 31st
Horwitz Bernhard, 18 E 41st
Hough Wm. C., 258 Broadway
House John H., 21 E 40th
Houston C. Fred., 126 E 59th
Hovell E. T., 1132 Halsey
Howard & Frenaye, 18 E. 41st
Howell Clarence S., 11 E 45th
Howells John Mead & Raymond M. Hood, 40 W 40th
Howells John Mead, 367 Lexington av
Howes Edward T., 505 5th av
Howland Henry R., 103 Park av
Hritz G. P., 15 E 40th
Huenerberg William, 1924 Daly av
Hughes Elwood, 342 W 42nd
Hughes Vernon, 18 E 41st
Humble Albert, 223 W 33rd
Hume Raphael, 247 Park av
Hunt & Hunt, 28 E 21st
Hunt F. Albert, 1 W 34th
Hunter J. Duncan, 501 5th av
Hunter Paul C., 191 9th av
Hunter R. C. & Bro., 501 5th av
Hurwitz H., 41 W. 33rd
Hutchinson Robert C., 261 B'way
Hutton & Buys, 103 Park av
Hyde & Shepherd, 588 Lexington av
Hyde Maxwell, 52 Vanderbilt av
Ingalls Harry C., 347 Madison av
Jackson Arthur C., 501 5th av
Jackson C. Aubry, 251 W 34th
Jackson John F., 141 E 45th
Jackson Jos. A., 9 E 47th
Jackson Walter H., 1834 Broadway
Jacobs Harry A., 64 E. 55th
Jallade, Lindsay & Warren, 129 Lexington av
James Thos. M. Co., 342 Madison
Janes Elisha Harris, 70 E. 45th
Jardine, Hill & Murdock, 347 Madison av
Johnson Carl P., 30 E 42d
Jones Chas. G., 280 B'way
Josselyn Edgar A., 5 Columbus Circle
Kahn Ely Jacques, 56 W 45th
Kaplan Louis H., 1457 B'way
Kaplan Robert, 47 W 34th
Katz S. Walter, 505 5th av
Kaufman Gerald L., 1 Pershing sq
Kaufman L. M., 212 E 15th
Kaufman Lewis R., 24 E. 67th
Kaufmann, Killian & White, 29 W 34th
Kebbon Eric, 522 5th av
Keefe Chas. S., 247 Park av
Keeler & Fernald, 203 W. 13th
Keese Franklin H., 7 E 42nd
Kehoe Alfred L. & Co., 150 Nassau
Keister Geo., 56 W 45th
Kelley Frederic P., 244 Madison
Kelly & Tuttle, 244 Madison av
Kelly T. J., 563 E. Tremont av
Kelly Timothy J., 707 Morris Park av
Kendall Wm. Mitchell, 101 Park av
Kennedy Wm. A., Mosholu av & B'way
Kenworth Wm. F., 730 5th av
Kerkow Chas. Inc., 125 E. 56th
Kiessling Calvin, 220 5th av
Kilham Hopkins & Greeley, 25 W 44th
Kimball Fiske, 246 E 61st
Kimball Maxwell, 101 Park av
King Beverly S., 18 E. 41st
King Frederick R., 52 Vanderbilt av
King R. Barfort, 681 5th av
Kingsley Geo. S., 145 W 41st
Kirby & Cowie, 1 Madison av
Kirby Edgar L., 169 W Tremont av
Kirby Walter B., 101 Park av
Kirschbaum Albert, 2 W 45th
Klaber Eugene H., 101 Park av
Klaber John J., 101 Park av
Klein Edward A., 112 E 19th
Kline Edwin, 1 W 34th
Knapp Horace Greeley, 5 W. 16th
Knowles Harry P., 21 W 49th
Knowles Wilbur S., 280 Madison av
Knubel John H., 305 W 43d
Koch Wm. Tilden, 3131 Hull av
Koechl Otto R., 15 E 40th
Koehler & Tallant, 70 E 45th
Koelble Henry A., 114 E 28th
Kohn Robert D., 56 W 45th
Koppe Wm., 567 E Tremont av
Koyl Geo. S., 54 E 59th
Krapp Herbert J., 114 E 16th
Kraus Jaros, 301 Madison av
Kreymborg Chas., 2534 Marion
Kudorff Irving, 118 E. 28th
Kurtzer William, 1385 Crotona av
La Farge C. Grant, 101 Park av
Lafferty Robert C., 3135 Broadway
Laird Pierre, 6 E 46th
Lamb Thos. W., 644 8th av
Lamb Wm. F., 52 Vanderbilt av
Lambert Wm. A., Woolworth bldg
Landsman & Smith, 105 W 40th
Landsman S., 1380 Prospect av
Lang David S., 110 W 34th
Lang Eugene J., 27 E. 40th
Langer Nathan, 31 E. 125th
Langman Otto F., Grand Central Terminal
Lansburgh G. Albert, 247 Park av
La Pierre Lester S., 101 Park av
Larkin E. L., 1457 Broadway
Larkin John R., 81 Fulton
Lasperches S. P., 2482 Jerome av
Lawlor & Haase, 15 W 38th
Lawrence Clark J., 25 W 44th
Lawrence Warrington G., 15 E. 49th
LaZink Wm., 101 Park av
Lebhar Lionel M., 145 W 45th
Lee & Hewitt, 53 Park pl
Lehlbach Edward 507 5th av
Lehmann Edward A., 40 Cedar
Lengyel Stephen, 874 Broadway
Lescaze Wm. E., 17 E 49th
Leuchtag A. J. H., 450 4th av
Levitan Benjamin W., 610 W 110th
Levitan Benj., W. 1 Pershing sq
Levy Emilio, 366 Madison
Levy Geo. H., 17 W 42nd
Lewis Albert William, 2 E 41st
Lewis Ernest F., 137 E 46th
Licht Geo. A., 126 E 38th
Lieberman & Kimerling, 241 W 29th
Lindeberg H. T., 2 W 47th
Lion Henry S., 501 5th av
Lippert F. G., 47 W 34th
Lippman Herbert, 126 E 59th
Liptak John M., 753 5th av
Litchfield Electus D. & Rogers, 477 5th av
Little & O'Connor, 103 Park av
Little Willard P., 159 E 48th
Lobo Arthur, 8 W 33rd
Lock Leonard L., 4 W 56th
Lombardi Anthony, 1221 Sheridan
Lord & Hewlett, 2 W 45th
Loweel Gut, Ct. House Off. bldg
Lowell Guy, 21 E. 40th
Lowinson Oscar, 175 5th av
Lubroth Paul, 246 199th
Lubschez Ben. J., 101 Park av
Lucas Herbert, 101 Park av
Ludlow & Peabody, 101 Park av
Lutz Chas. P., 63 William
Lynch & McKenna, 347 5th av
Lynch Elliott, 341 5th av
Lyon Leland, 402 Madison av
Lyons Robt. T., 342 Madison
McCabe Geo. M., 96 5th av
McCormick Co., Inc., 41 Park Row
McCrea A. Wallace, 27 E 40th
McCullock W. F., 350 Madison av
McDonnell Hunter, 247 Park av
McGill & Hamlin, 366 Madison av
McGill Henry J., 1 Pershing sq
McGlashan Norman, 24 E. 63rd
McGovern W. Philip, 527 5th av
McGuire B. F., 110 W 34th
McGuire Jos. H., 101 Park av
McGuire Milton H., 315 5th av
MacIntosh Alexander, 55 Bible House
Machan Frank M., 151 W 42nd
McKenna Felix P., 347 5th
MacKenzie Clinton, 119 Broadway
Mackenzie Jas C., 4 E 39th
McKenzie, Voorhees & Gmelin, 1123 B'way
McKim, Mead & White, 101 Park av
MacManus & Griffiths, 116 W. 39th
McQuade Walter, 101 Park av
MacTarnaghan W. G., 32 Pearl
Magnuson Hugo E., 52 Vanderbilt av
Magonigle H. Van Buren, 101 Park av
Maher Jas S., 431 W 14th
Mainzer H. R., 105 W 40th
Major Howard, 154 E 61st
Manhart W. E., 51 W 10th
Mann & MacNeille, 70 E 45th
Marcus Bertram N., 347 5th av
Margon Irving, 2804 3rd av
Markowitz Phillip, 405 Lexington av
Markwith Roland L., 111 5th av
Marlow F. S., 565 6th av
Marsh Reginald E., 101 Park av
Marshall Geo. E., 53 W 39th
Marx Raymond, 342 Madison av
Mason Eugene W., 52 Vanderbilt
Mason Eugene W. Jr., 52 Vanderbilt av
Massarine Wm. G., 15 E 40th
Mathesius F., Jr., 320 5th av
Matsui Yasno, 175 5th av
Matz H. E., 70 E 45th
May Chas. C., 15 E 40th
Maynicke & Franke, 25 E 26th
Meader Herman Lee, 2 W 33d
Meek James Edwin, 367 Lexington av
Meeks Everett V., 52 Vanderbilt av
Meisner Geo., 565 E. Tremont av
Meli Cyprus P., 1 Madison av
Mellon Edward P., 350 Madison
Mellor Frederick W., 288 Lexington av
Menconi R., 422 W 46th
Merkle Elmer P., 565 5th av
Merrill Daniel D., 5 Beekman
Mersereau Wm. H., 3rd st, Oakwood
Mertin Adolph, 34 W 28th
Messineo & Fromm, 503 5th av
Meyer Paul, 39 W 8th
Meyer, Theodore A., 150 E 41st
Meyers Chas B., 31 Union sq
Millar Wm. M., 333 4th av
Miller Wm. P., 870 B'way
Milliken H. O., 4 E 39th
Mitchell Chas. W. B., 129 E 27th
Mizner Addison C., Grand Cent. Term.
Montfort John M., 49 W 45th
Moore & Landsiedel, 3d av & 148th
Moore Frank A., 109 E. 29th
Moore McCord Gilchriese & Associates, 37 W 39th
Moore W. S., Gr. Centr. Term
Moran Wm. Edgar, 56 W 45th
Morgan French & Co., 19 W 44th
Morris Benj. W., 101 Park av
Morrison Robt. B., 160 Pearl
Moscowitz J., 244 E. 15th
Mowbray & Uffinger, 221 W. 57th
Muller Bernhardt E., 527 5th av
Muller John, 15 W 38th
Muller Max, 115 Nassau
Mulliken Harry B., Gr. Cent. Term
Mullin Charles Whitely, 110 W 40th
Murchison Kenneth M., 101 Park av
Murdock H. H., 347 Madison
Murgatroyd Everett F., 2764 Morris av
Murphy & Dana, 1 Pershing sq
Murray P. J., 141 E 40th
Nash Thos., 100 E. 45th
Nast Adolph E., 56 W 45th
Necarsulmer Edward, 507 5th av
Nedwidek C. A., 350 Madison av
Nelson & Van Wagnen, 15 W 38th
Neville & Baggs, 570 Bergen av
Newman Frank E., 120 E. 40th
Newman Thos. L., 2236 Ellis av
Nicosia Frank R., 423 E 114th
Niles Robert L., Jr., 101 Park av
Nitchie John E., World bldg
Noel Auguste L., 52 Vanderbilt av
Nolan John F., 1452 Broadway
Nordham George, 18 W 34th
Nordheim Henry, 726 E 234th
Oberlander H. C., 177 E 84th
O'Connor Jas. W., 162 W 37th
O'Connor Michael J., 159 E. 48th
Ogden Palmer H., 369 Lexington av
Oppenheim Sidney F., 110 E. 31st
Orchard Wm. H., 17 W 45th
Orlando Joseph, 105 W 40th
Otto Carl L., 15 Park Row
Paddon Harold E., 1350 Broadway
Paff Chas. Co., 7 Dey
Pagan Franklin D., 15 E 40th
Palmer & Hornbostel, 63 William
Parfitt Albert E., 19 Liberty
Parish & Schroeder, 278 Madison
Parker, Gordon, 17 W 42nd
Parsons Robert E., 28 E 49th
Passacantando Riccardo, 101 E 116th
Paterson Thos. Jr., 1 Madison av
Patterson Harold F., 363 Lexington av
Patton Lewis C., 597 5th
Pauli Augustus C., 247 Park
Peabody, Wilson & Brown, 140 E. 39th
Peck Chas. F., 5 E 42d
Peck Howard M., 151 W 42nd
Peck Laurence F., 101 Park Row
Peker Chas. G., 239 W 39th
Pelham Geo. F., 200 W 72nd
Pell F. Livingston, 151 E 53rd
Pelton Henry C., 151 W 42nd
Pennington Pleasants, 2 E 41st
Petrone Vespucci, 67 W 44th
Pettit & Ferris, 36 W 44th
Phelps Stowe, 139 E. 53rd
Phillips J. H., 681 5th av
Phillips W. Stanwood, 137 E 43rd
Phyfe Lloyd I., 1001 Anderson av
Pilcher Lewis F. (State Architect), 299 Madison
Pittman Henry C., 114 E. 28th
Platt, Chas A., 101 Park av
Platt F. P. & Bros., 221 W. 57th
Pleus Frank C., 597 5th av
Pleuthner W. K., 132 E 40th
Polhemus & Coffin, 15 E. 40th
Pollard Geo. Mort., 250 W. 14th
Pond Dewitt C., 247 Park av
Pope Jno. Russell, 527 5th av
Post Geo. B. & Sons, 101 Park av
Post J. Otis, 101 Park av
Post Wm. S., 101 Park av
Potter Wilson, 22 E 17th
Prager Raphael, 2 Rector
Price Theo. F., 1457 Broadway
Purdy & Davis, 350 Madison av
Putzel Jos., 29 W 34th
Quinby Frank H., 99 Nassau
Rabenold Bruce, 681 5th av
Rahmann W. H. & Sons, 126 Cedar
Rainbow John R., 14 W. 50th
Raldiris & LaVelle, 505 5th av
Ramberg Ola, 101 Park av
Ramsey Chas. G., 25 W 44th
Rappold Geo. W., 452 5th
Rasmussen & Wayland, 252 W 46th
Redfield Henry W., 114 E 28th
Reed Maxwell, 233 Broadway
Reeves Hubert E., 103 Park av
Regelman Henry, 147 4th av
Reiley Robt. J., 50 E. 41st
Reilly & Hall, 405 Lexington av
Reilly Paul C., 405 Lexington
Reissman Otto, 147 4th av
Remick Arthur T., 47 W 43rd
Renwick, Aspinwall & Tucker, 8 W 40th
Resler Richard, 41 E. 42nd
Resnyk & Keller, 152 W. 42nd
Rice Oran W., 8 W 40th
Rich & Mathesius, 320 5th av
Richardson W. Symmes, 101 Park av
Richter Chas. H., 96 5th av
Rieser Ely J., 1st av & 28th

Rile Lovett, 2 W 45th
Rinderman Henry V., 1031 So blvd
Robertson T. Markoe, 331 Madison av
Robinson F. Delancey, 1 Madison av
Robinson F. L., 50 E 42d
Robinson Gilbert, 546 E 182d
Rocker Philip V., 6 E 46th
Rockrise & Shiota, 597 5th av
Roeger Fred, 15 Park Row
Rogers Jas. Gamble, 367 Lexington av
Rogers Palmer, 101 Park av
Rogers Pliny P., 477 5th av
Rogers & Haneman, 110 E. 42nd
Romeyn Chas. W., 55 B'way
Rooke Frank A., 15 E 40th
Root Geo. F., 280 Madison av
Rosenblum Samuel, 51 Chambers
Ross & McNeil, 46 W. 24th
Ross Albert, 100 E 42nd
Ross Frank J., 1137 E 224th
Rossi John A., 565 E Trem. av
Rossiter & Muller, 15 W 38th
Rosthal Jerome & Co., 110 W 40th
Roth Emery, 119 W. 40th
Rouse & Goldstone, 512 5th av
Rousseau Co., 2 E 23rd
Rowe, Henry W., 120 E 40th
Rowley John F., 50 E 41st
Ruehl Paul P., 247 Park av
Russell Benton, Grand Central Terminal
Russell W. P., 19 W 44th
Russell Wm. J., 73 W 46th
Salomonsky Edgar, 17 E. 49th
Sanger Prentice, 21 E 40th
Santangelo L. B., 2364 8th av
Sass Samuel, 31 Union sq
Satterthwaite Pennington, 753 5th av
Sawyer Philip, 100 E. 2nd
Schaefer Chas. Jr., 2853 3d av
Schaeffer Jos. C. & Co., 11 E 56th
Schantz Maxwell, 25 Frankfort
Scharsmith Jno. E., 31 Bennett av
Schefcik F. J., 4168 Park av
Scheffer Albert A., 17 E 49th
Scheier John H., 236 W. 55th
Scheiner Jas M., 330 Lexington av
Schell R. Montgomery, 339 Lexington av
Schirmer R. F. & J. W. Schmidt, 334 5th av
Schlusing C. W., 56 W 45th
Schmidt Julius W., 334 5th av
Schmidt Mott B., 347 Madison av
Schmitt Anthony F. A., 281 E 201st
Schneider & Werther, Grand Central Terminal
Schneider Walter S., 505 5th av
Schoen Eugene, 282 E. 4th
Schonewald Geo. A., Grand Cen. Term.
School Plan Service Bureau, Inc., 152 W 42nd
Schubert C., 175 5th av
Schubert Clifford M., 303 5th av
Schultze & Weaver, 17 E 49th
Schumann Chas. H., 280 B'way
Schwartz & Gross, 347 5th av
Schwartz Leon, 27 E 40th
Schwartz Morris, 1400 B'way
Scopes & Feustmann, 15 W 38th
Scott & Prescott, 34 E 23d
Seaver W. P., 100 E. 45th
Sedgwick Henry R., 522 5th av
See Milton, 15 E 40th
Sefert Clarence L., 206 W. 76th
Segal Nathan (& engineer), 124 W 112th
Segal Ralph H., 110 W. 40th st
Seifert Karl F. J., 153 E 40th
Semsch O. F., 111 E 40th
Serracino Nicholas, 565 5th av
Seymore Chas. H., 215 Greene
Seymour A. D. Jr., 33 W 42d
Shape & Bready, 50 E 42nd
Shary William, 369 E 207th
Sheinart Louis A., 194 Bowery
Shepard Augustus D., 101 Park av
Sheres Chas., 56 W. 45th
Shire Edward L., 373 4th av
Short Chas. W. Jr., 588 Lexington
Shreve R. H., 52 Vanderbilt av
Shutkind Richard, 63 Park Row
Sibley Jos. T. Jr., 122 E 25th
Simberg A. J., 1133 Broadway
Simon Maximilian A., 175 5th
Slayter Chas. Keller, 407 Park av
Sleeper Harold R., 25 W 44th
Sloan & Robertson, 1 Pershing sq
Small Franklin M., 407 B'way
Smith Bowen B., 50 W. 41st
Smith Harold F., 38 W 32d
Smith Harry L., 105 W 40th
Smith Henry A., 874 B'way
Smith Howard Leland, 505 5th av
Smith Lucian E., 247 Park av
Smith Wm. Neil, 101 Park av
Smythe Richard H., 681 5th av
Sneden Arthur Durant, 149 B'way
Snook John B. Sons, 52 Vesey
Snyder C. B. J., 505 5th av
Society of Beaux Arts, 166 E 75th
Sohn H. M., 452 5th av
Soldwedel & Tattan, 671 Lexington
Sommerfeld & Steckler, 31 Union sq
Spalding Melvin P., 137 E 46th
Spannhake Otto L., 116 Nassau
Spier P. L., 539 Hudson
Springsteen Geo. W. Jr., 32 Union Sq
Stadler P. Gregory, 316 E 161st
Starin Arthur N., 334 5th av
Starr Harry C., 681 5th av
Starrett & Van Vleck, 8 W 40th
Stein Clarence S., 56 W 45th
Steinback Gustave E., 157 W 74th
Steinle Chas. A., 8 W 40th
Stenhouse, J. Armstrong, 681 5th av
Stephenson & Wheeler, 2 W 45th
Stephenson Harvey, 101 Park av
Stern Benj. E., 56 W 45th
Stevens H. L. & Co., 522 5th av
Stever Arthur J., 55 Broadway
Stillman Michael, 34 W. 50th
Stoddart Wm. L., 50 E. 41st
Stone Fred'k S., 55 B'way
Stoughton & Stoughton, 96 5th av
Stout Penrose V., 138 E 44th
Strack Otto, 220 E 23d
Strassle E. F., 101 Park av.
Straub Chas. M., 147 4th av
Streeton Geo. H., 9 E. 47th
Strong Mason R., 46 W. 24th
Strout Wm. A., 31 Fulton
Studer Paul, 405 Lexington av
Sturr Albert, 141 E 45th
Sugarman Hess & Berger, 345 Madison av
Summerville F. M., 1123 Broadway
Sutcliffe Arthur T., 111 E 40th
Swan Herbert S., 15 Park row
Swartburg B. Robert, 103 Park av
Swartwout Egerton, 18 W 34th
Swasey W. Albert, 101 Park av
Sweezy Larremore U., 55 Bible House
Tabre Clarence H., 25 W 42nd
Tachau & Vought, 102 E 30th
Tallant Hugh, Grand Central Terminal
Tallant Hugh, 70 E. 45th
Tandy V. W., 1931 B'way
Tatton H., 367 Lexington av
Taussig Hugo, 25 W. 43rd
Taylor & Levi, 105 W 40th
Taylor & Mosley, 40 Wall
Taylor Alfred H., 138 W 65th
Teichman, Robt., 66 Beaver
Terwilliger D. W., 500 5th av
Thomas Andrew J., 15 E. 47th
Thomas R. Banks, 562 5th av
Thompson Geo. R., 350 Madison av
Thompson John A., 101 Park av
Thompson Wm. Stuart, 381 4th av
Tillion & Tillion, 103 Park av
Toelberg & Son, 1167 Fox
Tompkins John Almy, 139 E 53rd
Tooker & Marsh, 101 Park av
Torbert Vance W., 205 5th av
Towner Wm. T., 152 W 42nd
Townsend, Steinle & Haskell, 8 W. 40th
Treanor & Fatio, 3 E 44th
Trowbridge & Livingston, 527 5th av
Trowbridge Alexander B., 25 W 44th
Truex Fred'k M., 1170 B'way
Tubby Josiah Thomas, 143 Liberty
Tubby Wm. B., 81 Fulton
Tucker Fitz-Henry Faye, 8 W 40th
Tuthill Wm. Burnett, 185 Madison
Tuttle Harry W., 244 Madison av
Tuzo Paul B., 151 E 53rd
Uffner Louis R., 565 E. Tremont av
Untersee F. Jos., 247 W 13th
Upjohn Hobart B., 456 4th av
Van Alen William, 111 E 40th
Vander Bent T. J., 101 Park av
Van Pelt Jno. V., 126 E 59th
Van Vleck & Goldsmith, 111 5th av
Van Vleck Ernest A., 8 W 40th
Varian Bros., 400 Oliver pl
Varon David I., 213 Lexington av
Varon David, 172 Lexington av
Vassar Harold W., 10 E 47th
Victorsohn Samuel, 17 W 42nd
Veolin Stephen, 696 St. Nick av
Very & Brown, 100 E. 45th
Vickers Nat., 363 Lexington av
Viemeister A. L., 25 W 43rd
Visscher Theo. C., 363 Lexington av
Voelker John Ph., 979 3d av
Voickening Walter H., 53 W 39th
Voruz De Maux, 635 Park av
Wagner Stewart, 7 E 42d
Wagner W. S., 101 Park av
Wagner Wm. H., 1459 University av
Waid D Everett, 1 Madison av
Walker & Gillette, 128 E 37th
Walker Harry L., 144 E. 54th
Walker Hobart A., 35 W 39th
Walker W Leslie, 103 Park av
Waller Samuel L., 14 W. 45th
Walther Bart. & John P., 103 E 125th
Wandke W. G., 331 W 14th
Ward Leroy P., 52 Vanderbilt av
Ware Arthur, 1170 B'way
Warren & Clark, 146 E. 46th
Warren & Wetmore, 16 E 47th
Warren Harry E., 247 Park av
Washburn Edward F., 101 Park av
Waskowitz S., 718 E. 219th
Watson Co., 15 Park row
Watson John C., 271 W 125th
Wayland H. C., 252 W 46th
Webb Gregory B., 469 5th av
Weeks Louis S., 101 Park av
Wehrlin Edward, 152 W 42nd
Weigelt F. Carl, 2 W 47th
Weiher Forster & Ockert, 15 E 40th
Wein Alfred C., 21 E 40th
Weinstein Joseph, 405 Lexington av
Weirick Ralph Wilson, 70 5th av
Weiser Arthur, 9 W 48th
Weiss Jos. D., 175 5th av
Wells Geo. H., 21 E. 40th
Wells Franklin C. Jr., 101 Park av
Wells J. Hollis, 100 Maiden Lane
Welsh Lewis E., 10 E. 47th
Wendehack Clifford C., 101 Park av
Werner & Windolph, 27 W 33d
West Frederick W., 505 5th av
Westervelt J. C., 36 W 34th
Whinston & Bro., C. N., 2 Columbus Circle
Whinston & Hurwitz, 41 W 33rd
Whinston Morris, 116 W 39th
White Benj. V., 29 W 34th
White Harry Keith, 16 E 41st
Whitehead Russell F., 150 E. 61st
Whitehill W., 32 Union Sq
Whitfield Henry D., 597 5th av
Whiting Frank P., 244 Madison av
Whiton Aug. S., 101 Park av
Wiard O. M., 101 Park av
Wick Herman, 200 5th av
Wiegand Wm., 17 W 42nd
Wilbur Edwin, 507 5th av
Wilder & White, 16 E. 41st
Wilkinson Henry, 114 E 28th
Williams & Barratt, 8 W 33d
Williams Ellwood, 288 E. 10th
Williams Walter, 334 5th av
Wilson Albert, 140 E 39th
Wilson William, 140 E 39th
Winkleman C. F., 103 Park av
Winston Perry, 43 E 27th
Wiseman Harrison C., 23 W 43d
Wolfe John, 962 Lexington av
Wolff Herman, 432 4th av
Wolfgang F., 535 E Tremont av
Wood Geo. E., 103 Park av
Woodruff H. B., 333 4th av
Woods Frank Wyatt, 10 E 43rd
Woodsend Hy E., 92 5th av
Wooley John, 158 W 45th
Woolsey Heathcothe M., 4 E 39th
Worcester Wakefield, 25 W 44th
Wortman Dietrich, 116 Lexington av
Wright Frank, Grand Central Terminal
Wright Frank A., 15 E. 40th
Wyeth Marion Sims, 52 Vanderbilt
Yager H. W., 969 Hoe av
York & Sawyer, 100 E. 42nd
Young Harold L., 1966 B'way
Zamory Leo M., 645 E Tremont av
Ziccardi Joseph, 336 Cruger av
Zimmermann A. G., 85 9th av
Zipkes Maxmilian, 25 W. 43rd
Zlot Henry, 8 E 117th
Zobel Fred'k C., 145 W. 45th
Zogbaum Harry, 27 E 40th
Zoller H. P., 280 Madison av

Borough of Queens.

ASTORIA—Braun, Frank, 233 Ditmars av.
Fischer Geo. J., 406 12th av
Hewitt Chas. W., 604 Academy
Schiller V. (& Builder), 391 10th av
COLLEGE POINT—Fehn Sidney M.
CORONA—Card I. P.
Di Biasi Alfred
Johnson Robt. W.
McIntyre William M.
Schneider Ed.
Schoeller A.
Varrone Crescent L.
ELMHURST—Rose Edw.
Hendry C.
Thomas A. J.
Wells Geo. H.
EVERGREEN—Berger Louis & Co., 1652 Myrtle av
FAR ROCKAWAY—Cornell Jos. H., Mott av
Howard & Howard, O'Kane bldg
Smith Morrell, Bank bldg
FLUSHING — Cooper Gustave A., 75 Whitestone
Johnson Fred, 46 Prospect av
Kent Charles Nelson, 108 Jamaica av
Parsons Robert E., 371 B'way
Richardson A. Edw., 100 Amity
Wick Geo. W., 56 Locust
JAMAICA—Jeffery H. T. Jr., Butler bldg
Liebau Hans, Fulton
Simpson E. B., Hempstead Turnpike
Spaulding W. H., 34 Bergen av
Thomas Otto, 354 Fulton
LONG ISLAND CITY—Anstey A. D., 1 Bridge Plaza
Baker John M., 9 Jackson av
Chmelik Frank, 796 2nd av
Knowles W. W., Bridge Plaza
Worrall Wm. S., Jr., 132 4th
MIDDLE VILLAGE—Peristein Morris
RICHMOND HILL—Crane Geo. E., 615 Stoothoff av.
Dean Harry, 1035 Curtis av
Hadler W. E., 1432 Lefferts av
Haugaard Henry E., Hillside Bank bldg
Jeffrey Henry T. Jr. (& Builders), Butler bldg
ROCKAWAY BEACH—Berrian Edwd., Hollands
Caplan Philip, 16 Court
Kennedy W. T. & Co., Division av
Powers J. P. Co., 553 blvd
Shirkey C. G., Division av
ROCKAWAY PARK—Boerum & Farrell
Hogan Wm. A. (& Builder)
Rothchild W. S.
Spring Harry J. & Co.

Borough of Richmond.

NEW DORP—Grunert James E., 2409 Rich. rd
PORT RICHMOND—Pelcher Harry W., Nat'l Bank bldg
Whitford E. K. (& Builder), 1457 Castleton av
STAPLETON—Loeffler Otto, 14 Jackson
TOMPKINSVILLE—Davies John, 177 Castleton av
Whitford James, S. I. bldg
(End of New York City)
NIAGARA FALLS—Cannon Will A., 311 Niagara
Lacy Carlos Chipman, Bellevue Theatre bldg
Larke Simon, 719 Main
Obenhack C. F., Gluck bldg
Phelps C. R., Gluck bldg
White & La Chance (Schoolhouse), 230 1st
Wright & Kremers, Gluck bldg
NORTH TONAWANDA—Johnstone Wm. O.

(Continued on following page)

Architects—Continued

NEW YORK—Continued
NORWICH—Cummings J. C.
Guard Roy
Hall Herman R.
NYACK—Buys Arthur Francis
Emery Henry G.
Smith E. Baldwin
OGDENSBURG—Williams & Johnson
Wilson Geo. E.
OLEAN—Brickell & Brickell (& at Bradford, Pa.)
Schoenberg A. W. E.
ONEONTA—Epps Orlo
OSSINING—Applebee B. L.
OSWEGO—Cope L. Lynden
Seeber John H.
PALMYRA—Blaby Joseph H.
PATCHOGUE—Conklin Claude C.
Vrooman C. H.
PLATTSBURGH—Kalor Fred W. H.
Signor Ralph L.
PORT CHESTER—Ponty D. H., Jr.
Slater Howard P.
Wetmore W. S.
PORT HENRY—Curtis John B.
PORT RICHMOND—(See New York City, Borough of Richmond)
POUGHKEEPSIE—Beardsley Wm. J., 41 Market
Carpenter Du Bois, 45 Market
Smith Edward C., 39 Market
RENSSELAER—Gardiner Clarence H.
Teeling Walter W.
RHINEBECK—Decker R. A.
RICHMOND Hill—(See New York City, Borough of Queens)
RIVERDALE - ON - HUDSON — Baum Dwight J.
RIVERHEAD—Blume Edwin H.
Skidmore Geo. H.
ROCHESTER—Ade Carl C., 344 East av
Arnold & Stern, Davis bldg
Barrows C. S., 56 James
Bragdon Claude F., Cutler bldg
Brockett & Wood, Powers bldg
Byers Constr. Co., Central bldg
Crandall Chas. F., E. & B. bldg
Dryer O. W., Cutler bldg
Foote & Carpenter, 154 East av.
Frey Frank, E. & W. bldg
Gordon & Madden, Sibley bldg
Hatton Horace T., Cutler bldg
Headley A. B., 4 Church
Hutchison & Strutz, Cutler bldg
Lempert Leon H. & Son, Cutler bldg
McCord Leander, Powers bldg.
Oberlies Jos. H., Granite bldg
Platt J. Mills, Cutler bldg
Stern Leon, Chamber of Com. bldg
Thompson, Holmes & Converse, Sibley bldg
Tyler Jas. R., Union Trust bldg.
Walker Wm. C., E. & B. bldg.
Warner J. Foster, Granite bldg
ROCKVILLE CENTER—Abrahms F. M.,
Bungert P. J.
ROME—Kirkland F. W.
Schillner G. C.
Stedman Geo. O.
RYE—Robinson Henry J., Jr.
SANFORD—Morrill Orville L., 47½ High.
SARANAC LAKE—Schrader Geo. F.
Scopes & Feustman
Symonds Wm. H.
Westhoff & Distin
SARATOGA SPRINGS—Brezee & Mallory
SAYVILLE—Green Isaac H.
SCARBORO-ON-HUDSON—Arnold Clinton S.
SCHENECTADY—Atkinson Edw. G., 434 State
Davis Ed. L., 159 Clinton
Wooley Thomas W. & Associates, 428 State.
SMITHTOWN—Potter, Robert Burnside, Antietam Farm
SPRING VALLEY—Eickoff O. S.
SYRACUSE—Brockway A. L., Third Bank bldg
Collin Dwight R., Union bldg
Gaggin & Gaggin, University blk
Granger Merton E., 474 S Salina
Hallenbeck & Van Auken, 101 Griffin Sq bldg
King M. L., Snow blk
La Vaute & Mulranen, The Herald bldg
Marcovitch W., Everson bldg
Mehan James D., Everson bldg
Meneilly Hugh, 117 Herbst av
Merrick & Randall, S. A. & K. bldg
Moulton Webster, 301 Union bldg
Phoenix Harry D., Union bldg
Taylor & Bonta, Gurney bldg
Umbrecht Max, Fayette Bk. bldg
Wright Gordon A., City Bank bldg
Young, Gustavus A., McCarthy bldg
TARRYTOWN—Blouin Jos. Jr.
Doyle Thomas, North Tarrytown
Russell Benton S.
TROY—Clark Wm. E., Cannon pl
Cummings M. F. & Son, Natl. State Bank bldg
Demers W. H., 401 Proctor bldg
Goddard Wm. H., Carter bldg
Lee Stanton P., 55 Third
Loth Edw. W., 253 B'way
Millman L. N., Stoll bldg
Mosley A. K., 351 River
Pember, Whittemore & Demers
TUCKAHOE—Bennett R. A.
Kilthan Gustave
UTICA—Bagg & Newkirk, Clarendon bldg
Berg Edward J., 223 Elizabeth
Decker Harry M., 609 B'way
Gouge & Ames, 70 Genesee
Jackson G. Edwin, Clarendon bldg
Kinne & Frank, Mayro bldg
Rushmer & Jennison, Arcade bldg
Stroebel Wm. L., Martin bldg
Williams T. H., 207 Bleecker
WATERLOO—Van Kirk M. L. & Son
WATERTOWN—Eaton & Brownell (Specialty Mills), Sherman bldg
Kieff D. D., 24 Flower bldg
Lansing A. F., Sherman bldg
Oliver Geo. D., 9 Dewey av
Skinner A. M., Roth bldg
Staege & Dewey, Charlebois Bros. bldg
WESTHAMPTON BEACH—Bishop Leonard H.
WHITE PLAINS—Brown Frank Horton
Greenfield Robt. A., 15 Court
Moore Jno. C.
Petry Louis M.
Swartwout Russell G.
WOODMERE—Cromwell J. J., Walsh av
YONKERS—Barney J. W., 56 Jackson
Brown Elliott L., 506 B'way
Chamberlain G. Howard, 18 S B'way
Fairbrook Anthony, 18 S. Broadway
Ghidoni John J., 22 S. Broadway
Katz Wm. P., 12 N B'way
Quick H. Lansing, 18 S B'way
Rasulo Felix, 188 Linden
Snyder Wm. F., Flagg bldg
Thorn Louis F., 18 S B'way
Van Suetendael A. J., 15 W. B'way
Werner Berthold G., 53 S. Broadway

NORTH CAROLINA.

ASHEVILLE—Davis T. E.
Dreyer D. J., Classic bldg
East Wm. J.
Greene Roland, 407 Oates bldg.
Lord Wm. Henry
Parker Chas. N., Electrical bldg
Smith & Carrier
Zimmerman J. S., 48 Amer. Natl. Bk. bldg.
CHARLOTTE—Asbury Louis H., Realty bldg.
Biberstein R. C., 1614 Elizabeth av.
Bonfoey F. L., 6 N. Tryon.
Boyer M. E. Jr., Trust bldg
Hook Chas. C., Trust bldg.
Hunter L. L.
Lee Rudolph E., Brevard ct
Lockwood, Greene & Co., Piedmont bldg
McMichael J. M.
Peeps Wm. H., Latta Arcade bldg.
Rogers Willard, Trust bldg.
DURHAM—Linthicum & Linthicum, 117 W. Martin.
Rose & Rose, Trust bldg.
ELIZABETH CITY—Kramer J. B.
FAYETTEVILLE—Thain T. T.
GASTONIA—Wilson Chas. C.
GOLDSBORO—Boney Leslie N
GREENSBORO—Armfield G. W.
Barton Harry, McAdoo bldg.
Brewer W. L., 225½ S. Elm.
Weston F. A., Banner bldg.
HENDERSONVILLE—Stillwell Erie G.
HICKORY—Herman Q. E.
LEAKSVILLE—Hopper James C.
LOUISBURG—Davis M. Stewart
LUMBERTON—Russell J. M.
McIVER—Moorefield J. Frank
MT. GILEAD—Haywood Wm. T.
NEWBERN—Simpson H. W.
RALEIGH—Briggs Jno. D., 14 W. Martin.
Keller H. P. S., 129 Hillcrest.
Kennedy J. M. Merchants Bk. bldg.
Salter J. A.
Simpson Frank B.
ROCKY MOUNT—Perry Samuel E
SALISBURY—Ramsay John E.
SOUTHPORT—Rappleyea Geo. W.
WASHINGTON—Miller C. C.
WILSON—Benton & Benton, Fidelity bldg.
Moore S. B., Grady bldg.
WINSTON-SALEM—Humphreys C. Gilbert, 111 W. 4th
Northrup W. C. Wachovia Bank bldg.

NORTH DAKOTA

BISMARCK—Van Horn & Ritterbush, 209 7th.
DEVILS LAKE—Shannon, Boyd & Boyd, Shannon bldg.
FARGO—Braseth & Houkum, 105½ B'way
Crabbe S. F.
Gillespie W. D., 64½ B'way.
Hancock Bros.
Keith & Kurke
Rosatti J. E., 117 B'way
GRAND FORKS—Bjorge Chas. N.
Edwards W. J.
Kech Bert D., 1st Nat'l Bk. bldg.
Ross W. H.
MANDAN—Ressler & Leonhard.
MINOT—Frahn H. C., 18 8th
VALLEY CITY—McFarland E. H.

OHIO

AKRON—Ball G. J., Metropolitan bldg
DeArment F. H. & Co., Everett bldg
Fichter & Brooker, Metropolitan bldg
Goldston I. J., Ohio bldg
Good & Wagner, 7 E. Center
Kraus & Helmkamp, Metropolitan bldg
Harpster & Bliss, Central S & T bldg
Henry & Murphy, 2d Nat'l Bk bldg
Lauer M. P., Pythian Temple bldg
Peck Mellville C., Springfield Center
Potter J. Ellsworth, 46 S. Broadway
Ridley & Glazier, Federal Oil & Gas bldg
Sternberg Fred R., 120 S. Front
Wardner H. L., Everett bldg
Yoho & Hooker Co., 669 E Exchange
ALLIANCE—Matchett W. W.
ASHTABULA—Wilson John L.
BARNESVILLE—Patterson B. C.
BELLEFONTAINE—Shawver John L & Bros.
BOWLING GREEN—Minor W. H.
Stewart S. P. & Son
Strong L. T.
BREMEN—Ricket C. W.
BRIDGEPORT—Lindsay James
BUCYRUS—Unger William
CAMBRIDGE—Orr Jno. F.
Petrikin J. G.
CANTON—Epperson W. S., Martin bldg
Firestone Charles E. Co.
Lewis J. E., City Nat. Bk. bldg
Rabold W. A. P., Arcade bldg
Thayer & Johnson, Renkert bldg
Tilden Guy & Son, Schaefer blk
CELINA—Vonder Horst Jos.
CHILLICOTHE—Baach Fred W., 11 Miller bldg
Schweitzer John
CINCINNATI—Architects Service Bureau, 705 Gerke bldg
Baack Fred W., Masonic Temple
Burroughs G. C., & J. H., Deeken, 1302 Union Trust bldg
Cellarius Chas. F., 3766 Edwards
Cordes H. W., 3320 Hackberry
Crowe & Schulte, 914 Main
Davis & Stewart, 1st Nat'l Bk. bldg
De Camp Benj. C., 601 Gerke bldg
Deglow L. S., 301 Bell blk
Dittoe Louis G., 1106 Ingall bldg
Drach Gustave W., 4243 Greenlee
Elzner & Anderson, 7th & Race
Fahnestock L. W., 18 W 7th
Fasse Chas. H., 7217 Montgomery Sivtn
Fechheimer A. Lincoln, 2359 Park av
Ferber C. H., 1027 Dixie Terminal bldg
Firth Wilbur M., Oakley Bank bldg
Fisher Martin, Brighton Bank bldg
Foster C. M., 112 E 4th
Garber & Woodward, Union Central bldg
Gilmore Jas., 802 Gerke bldg
Glaser Emile F., Carew bldg
Godley S. S. & G. H., 716 South. Ry. bldg
Grunkemeyer John C., 3717 Eastern av
Hake Harry, Telephone bldg
Hannaford's S. & Sons, 1024 Dixie Terminal bldg
Hildreth C. L., 20 W. 20th
Hoinke & Hollar, 831 W. 9th
Hooper Henry N., Rm. 4, O. M. I. bldg
Kendall Stewart E., 314 E. 5th
Kruckemeyer Edward H. & Strong Chas. R., 404 St Paul
Kunz & Beck, Carew bldg
McClorey Howard, 18 E. 4th
McDonald-McDonald & McDonald, 902 Denton bldg
Matthews Stanley, 5009 Linden av
Ohlenrath H. B., 68 Pickering bldg
Pepinsky Bernard, 600 Carew bldg
Pfeiffer Philipp, 10 E McMillan
Price Harry M., Mer. Lib. bldg
Rendins, Panzer & Martin, Palace Theatre bldg
Rueckert Jacob, 42 Blymyer bldg
Sax Moritz, 2nd National Bank bldg
Schwartz Oscar, 303 Provident Bank bldg
Sheblessy John F, 1202 Republic
Skinner Chas. W., 807 Ingalls bldg
Snow A. Folger, 28 W. Clinton Springs
Spielman, Herbert, 1210 Mer. Lib. bldg
Stegner Cliff M., Union Trust bldg
Steinkamp Jos. G. & Bro., Mercantile Library bldg
Stewart & Stewart, 510 South Ohio Bk. bldg
Strong Chas. R., 404 St. Paul bldg
Tietig & Lee, Fourth Nat'l Bank bldg
Ware Randolph F., 341 York (Newport)
Weber C. C. & E. A., 1408 Ingalls bldg
Werner & Adkins, Rockaway bldg
Wilkens John J., 1107 Bates
Wilson L. H., 10 W. 4th
Winnes Clifford J., 3004 Harrison
Zettel & Rapp, 1206 Mer. Lib. bldg
CLEVELAND—Albrecht, Wilhelm & Kelly, 1836 Euclid av
Allen A. M. & Co., 7016 Euclid av
Altshuld M., 5116 Woodland
Anders & Reimers, Erie bldg
Ball Frank W., Hanna bldg
Beidler, Herbert B. Co., Ulmer bldg
Best Karl I. & Hoeffler E. G., 6523 Euclid av
Bohm G. B., Williamson bldg
Bohnard & Parsson, Euclid bldg
Braverman & Havermalt, Ulmer bldg
Briggs, Herbert B., Rose bldg
Cahill, Paul T., 4502 Prospect
Caldwell Walter G., Park bldg
Cameron James L., 10326 Ashbury
Christian, Schwartzenberg & Gaede Co., Euclid bldg
Colman, Chas. C., 1900 Euclid bldg
Corbusier & Lenski, Keith bldg
Cone Harry A., Fidelity Mortgage bldg
Cooper Munroe W. Jr., Cuyahoga bldg
Crowne Mfg. Co., 7016 Euclid
Delorenzo Constc. Co., Guardian bldg
Dercum & Beer, 4500 Euclid av
Dyer J. Milton, Ulmer bldg
Ebeling Geo. A., Newman Sterns bldg
Farnam Daniel, Caxton bldg
Felt & Mills, Ulmer bldg
Ferguson, Archibald N., 12829 Speedway
Fish F. Stillman, 607 Euclid av
Fullerton H. V., Natl. City bldg
Fulton & Taylor, 8120 Euclid av

Garfield Abram, Natl. City bldg
Graham John H. & Co., 8201 Cedar av
Greco Chas. R., Guardian bldg
Grieble Geo. A., Sloan bldg
Grieme Harry W., Engineers' bldg
Harris Alfred W., Cleveland Discount bldg
Hinsdale Reynold H., 604 Bangor bldg
Hodges Fred'k F., Hickox bldg
Hoefler E. G., Keith bldg
Hopkinson Chas. W., Rose bldg
Hopkinson Geo. M., 6523 Euclid
Howell & Thomas, 4500 Euclid av
Hradilek Henry, Park bldg
Hubbell & Benes, 4500 Euclid av
Hughes & Conrad, Citizens bldg
Hulett, B. M., 1104 Prospect av
Ingraham Geo. Hunt, Guardian bldg
Janowitz A. F., Standard Theatre bldg
Jansen Wm. C., Electric bldg
Kalsch John, 4500 Euclid av
Kaufman Architectural Co. 5511 Euclid
Keller Arthur E., 2570 Overlook rd
King Geo. S., Permanent bldg
Knox & Elliott, Engineers' bldg
Koehl Wm., Park bldg
Lawrence Ralph E., Caxton bldg
Lehman & Schmitt, Electric bldg
Lexington Square Bldg., 5503 Utica
Lougee Wm. S., Marshall bldg
Luzius P. H., Erie bldg
McDonald Edward D., 17723 Franklin
McGarry & McGarry, 4614 Prospect
MacDowell J. Harold, Bulkley bldg
Matzinger Paul, Caxton bldg
Maurer Herman W., Schofield bldg
Maver J. L., 1900 Euclid bldg
Meade F. B. & J. M. Hamilton, National City bldg
Miller J. M., Cadillac bldg
Morris Chas., Electric bldg
Nelson, Harry S., Rose bldg
Nicklas Wm. H., 1900 Euclid av
Peal R., 12429 Cedar road
Pennington Chas. S., 14707 Lake av
Petti Nicola, Williamson bldg
Post Geo. B. & Sons, Hanna bldg
Potter Gabele & Co., Prospect Fourth bldg
Powell Wm. R., 705 Rose bldg
Riley Michael A., 2018 E. 46th
Rousseau M. C., Bulkley bldg
Schneider Chas. S., 2248 Euclid av
Schneider Edwin J., Natl. Comm. Bank bldg
Shimmin Harlen E., 2031 Euclid av
Shupe Harry L., 12429 Cedar av
Skeel Albert E., 5005 Euclid
Skeel Frank D., 7016 Euclid av
Skolnik Louis, Sixth St. Clair bldg
Small Philip L., 1836 Euclid
Smith Bros., Rockefeller bldg
Smith Edward E., Williamson bldg
Smith Walter H., 3165 Scarboro rd
Sogg Allen, Hippodrome bldg
Sprackling A. E., Caxton bldg
Stanton Edw S., 1840 Allendale
Steffens John F., Fidelity Mtg. bldg
Striebinger Frederic W., 1900 Euclid av
Thayer & Johnson, 5716 Euclid av
Tousley Chas. E., 5005 Euclid av
Tuttle Bloodgood, Bulkley bldg
Vink & Schimkola, 10405 Euclid av
Walker & Weeks, 1900 Euclid av
Walsh Henry A., Advance bldg
Warner Franz C., Hippodrome Annex
Watson Co., 4614 Prospect av
Weinberg Jos. L., Fine Arts bldg
Weis Max H., Union bldg
White S. H., Schofield bldg
Whitworth Henry P., Hickox bldg
Wolf & Griffith, Swetland bldg
Wright & Hohl, 46th & Prospect av
Wright Fred A., 4502 Prospect
Yost Arthur C., Caxton bldg

COLUMBUS—Architectural Service Co., The, 165½ N High
Adams, Jno. Quincy, New Southern Hotel
Babbitt Edw. F., Hayden bldg
Bank Designing Co., Clinton bldg.
Benham & Richards, 214 E. State
Carmichael & Millspaugh Co., 65 E. Long
Corbett Miss Ella M., Hayden bldg
Darst Otto C., 186 E. Broad
Eiselt H. E., 297 S. High
Glass Floyd F., 246 N. High
Hanford R. G., 681 E. Broad
Howard O. D., 8 E. Broad
Jacobs F. D. & E. L., Smith, Assoc'd Architects, 66 E. Broad
Martin, Orr, & Martin, 190 E. North B'way
Miller & Reeves, 20 S. 3rd
Moore, Downie W., 387 E. Broad
Outcalt J. Edgar, 151 E. Broad
Packard Frank L., 16 E. Broad
Pruitt Edw. E. & Co., 209 S High
Richards, McCarty & Bulford, 584 E Broad
Rusk F. S., 16 S 3d
Simons Brittain & English Inc., 101 N. High
Snyder Ralph, Hayden bldg
Tremaine W. H., Chamber of Commerce bldg

DAYTON—Gebhart & Schaeffer, U. B. bldg
German Howard W., Schwind bldg
Geyer & Neuffer, 431 Ludlow av
Griffith Harry C., Canby bldg
Harlan Harold Coffman, 35 E. 1st
Herby Wilbur R., U. B. bldg
Hermann & Brown, 1929 Reibold.
Hock C. A., 602 Commercial bldg
Hughes F. J. Co., Inc., U. B. bldg
Jaekle W. L., U. B. bldg
Lott Louis J. B., 35 E. 1st
McCluer, W. M., 401 Canby bldg
Mountstephen Edw. J., U. B. bldg
Pretzinger Albert & E. P. Musselman, Reibold bldg
Schenck & Williams, Mutual Home bldg
Simpson Edwin F., Reibold bldg
Smith-Chamberlain R., 401 Schwind
Sutter Frank L., Louis blk
Thies & Thies, Davies bldg
Walker & Norwick, American bldg
Weis Frank J., 1126 Lindsey

DEFIANCE—Hale J. I.
DELAWARE—Schureman D. S. & Son
EAST LIVERPOOL—Martin J. B.
Metsch Cassius M.
EATON—Barrett Thos. A.
ELYRIA—Beal Earl E.
Rissman Paul A.
Silsbee J. R.
FINDLAY—Forgeson J. & Son
FOSTORIA—Smith F. M.
FREDERICKSTON—Bradrick W. S.
FREMONT—Shilvey S. H. & R. H.
GALION—Jones Harlan
HAMILTON—Barkman Geo.
Mueller Fred'k G.
IRONTON—Morgan Evan
Murray Ralph
KENTON—Strong Paul K.
LANCASTER—Crooks R. E.
Getz W. F.
Older G. B.
LIMA—De Curtins Andrew
Leech & Leech
McLaughlin Thos. D. & Associate Architects.
Walt M., De Kalb Co., 404 Holland
LOGAN—Magoon M. A.
LORAIN—Ellis C. C.
Ford Hamilton E.
Rissman Paul A.
Wurmser H. O.
MANSFIELD—Althouse & Jones
Conklin Chas. W.
Hursh Jos. & Son
Redding Vernon
MARIETTA—Hovey Geo. Walter
MARION—Ellis Lewis J., 149 W. Center
Jacobs F. D.
MARTIN'S FERRY—Brown W. N.
MARYSVILLE—McCann E. G.
Weidman Bros.
MASSILLON—Herrmann Edmund
Wendling A. F. Co., 402 McClymonds bldg.
Wilhelm Karl E.
METAMORA—Young William & Son
MIDDLETOWN—Oeden Carl E.
MONTPELIER—Carpenter O. A. (& Bldr)
NEWARK—Hawkins O. J.
Patton Wm.
NEW PHILADELPHIA—Lewis J. E.
NILES—Souder C. P.
PAINESVILLE—Downer Frederick N.
PIQUA—Bowdie C. F.
PORTSMOUTH—De Voss W. A.
RAVENNA—Greene J. W.
SANDUSKY—Millott & Parker
Shively R. H.
SIDNEY—Doran Jas. W.
Landenbach H. L.
SPRINGFIELD—Gotwald Robert C., Gotwald bldg
Hall & Lethly, Fairbanks bldg
Shilling Wm. K., Fox Hollow Farm on S., T. & P. Ry
STEUBENVILLE—Peterson & Clarke
TIFFIN—Ernest Chas.
Netcher George W.
TOLEDO—Aftel Sidney E., Ohio bldg
Bates & Gamble, Close Realty bldg
Becker Bernhard, Gardner bldg
Bollinger & Hayes, 320 Ontario
Fallis E. O., The Nasby
Gerow & Conklin, Spitzer bldg
Hahn Alfred A., Close Realty bldg
Huber Jos. C. Jr., Nasby bldg
Langdon, Hohly & Gram, Nicholas bldg
Mills, Rhines, Bellman & Nordoff, Ohio bldg
Parman Clarence J., Nicholas bldg
Rheinfrank G. B., Gardner bldg
Robinette Paul S., 1313 Jefferson av
Stine David L. & Son, The Valentine
Stophelt Manfred M., Nasby bldg
Thal & Jokel, Nicholas bldg
Walker & Weeks, Madison & Huron sts
TROY—Shilling W. Walter
WAPAKONETA—Uhler J. N.
WARREN—Davis, J. W.
Kelch, R. J.
Sidells Byron T.
WASHINGTON COURT HOUSE—Hicks J. Howard
Sanders Wm.
WILMINGTON—Shepherd & Son
XENIA—Heaton Jno.
Owens H. W.
YOUNGSTOWN—Boucherle L. & Son, Stambaugh bldg
Dalleske A. C. & Co., Federal bldg
Ford H. L., 314 W Wood
Hundley J. B., Stambaugh bldg
Kling & Zenk, Davis blk
Kohl & Smith, Dollar Bank bldg
Miller & Son, Dollar Savings Bank
Owsley C. F., Mahoning Nat'l Bank bldg
Smith J. H., Home Sav. & Loan bldg
Stanley & Scheibel, Wick bldg
Thompson E. R., Home Sav. & Loan bldg
Vaughn George, Diamond block
ZANESVILLE—Handshy C. E.
Meyer Harry C.

OKLAHOMA

ALVA—Green Cyrus P.
ARDMORE—White J. B.
BARTLESVILLE—Babcock L. H.
Everman Walton
CHICKASHA—Larson L. P.
Macklin & Faught
DURANT—Hicks Jewell
Jewett A. B.
EL RENO—Riley W. H.
ENID—Shaw R. W.
McALESTER—Walsh J. J.
MUSKOGEE—Dawson Charles W.
Hardin M. T.
McKibbin E. E.
Valeur H. O. & Co., Phoenix bldg
NEWKIRK—Jenkins Charles B.
OKLAHOMA CITY—Aurelius Swanson Plan Service, Scott-Thompson bldg
Bailey & Alden, Colcord bldg
Bramblett & Tonini, 416½ W. Main
Butler Co., Oil Exchange bldg
Dryer Hugh, Oil Exchange bldg
Gahl Edward L., S. W. Nat. Bank bldg
Hawk & Parr, Cotton Exch. bldg
Hawk J. W., Security bldg
Hicks Jewel, 19½ W. Main
Jayne Maurice, 1st Nat. Bank bldg
Laws W. J. & Co., 1st Nat. Bank bldg
Layton Smith & Forsyth, Braneff bldg
Monnot & Reid, Empire bldg
Moore Malcolm, 224½ W. 3rd
Shumaker Wm. H., Security bldg
Sorey & Vahlberg, 212½ W. 1st
Stewart A. F. Const. Co., 1st Natl. Bk. bldg
Weathers P. H., 605½ W California av
SAPULPA—Griffith Wm. M.
Popkin Charles Adrian
SHAWNEE—Davis A. C.
Peters & Jenkins.
TULSA—Atkinson & Olston, Mid-Continent bldg
Black A. W. & Son, Kennedy bldg
Cross M. C., Nebraska bldg
Duggan F. A., Castle bldg
Fabry A. C., Commercial bldg
Fleming N. B., Bliss bldg
Fry W. Alva, Atco bldg
Griffith, Fred D, New Wright bldg
Kubatzky O., 1303 E. 15th
Love A. J. & Co., Lynch bldg
McCune M. L., World bldg
McDonnell & Nelson, 502 S. Cincinnati
Mahler H. H., Lynch bldg
Olston F. M., Mid-Continent bldg
Robb J. W., 1114 S Boston
Ruggles L. H., Robinson bldg
Rush E. & Rush, Wright bldg
Saunders E. W., Nebraska bldg
Shumway L. I., Wright bldg
Sippel E. W., 12 E. 3rd
Thorne A. Thomson, Roberts bldg
Thursby H. G., Mayo bldg
Towsley W. R. L., 1436 S. Utica
Walter Frank C., Kennedy bldg
Winkler Geo., Palace bldg

OREGON

ALBANY—Buaggraf C. H.
Jenkins A. C.
ASHLAND—Smith O. Everett
ASTORIA—Bartlett R. R.
Diamond C. G.
Gendron A. D.
Himebaugh, C. M.
Wicks J. E.
BAKER—Bond H. W.
White M. P.
BEND—Morrison, J. W.
Thomas Lee A.
CORVALLIS—Dobell R. H.
DALLAS—Morrison Frank W.
EUGENE—Bean O. R.
Hensil Y. D.
Hunzicker John
King H. M.
FOREST GROVE—Starrett F. M.
HERMISTON—Frick Howard A.
KLAMATH FALLS—Heide A. F.
Marshall Walter V.
Wright Geo. R.
LA GRANDE—Block Milton S.
Miller C. R.
Slater John L.
LEBANON—Crandall A. T.
Kammerer Edward W.
MARSHFIELD—Chandler W. G.
Magnusson Fred.
Ostlind Benjamin
MEDFORD—Clark Frank C.
Power Chas. O.
NORTH BEND—Griffin A. J.
OREGON CITY—White W. A.
PENDLETON—Hatch R. W.
Howard Theo. F.
PORTLAND—Bailey L. R. & Co., N. W. Bk. bldg
Bennes John V., Chamber of Commerce bldg
Bergen Harold P., Yeon bldg
Bergholtz Edmund, Spalding bldg
Boland H. B., Ry. Exch. bldg
Bridges J. B., Panama bldg
Browne P. Chappel, Mohawk bldg
Byran E. I., Henry bldg
Camp & Du Puy, 426 E. Adler
Cash, Earl G., Lewis bldg
Claussen & Claussen, Macleay bldg
Crooks D. M., Ry. Exch. bldg
De Young & Roald, Spalding bldg
Doyle A. E., Worcester bldg
Dunham G. F., N. W. Bk. bldg
Ertz C. W., Pittock blk
Fancher H. M., Worcester bldg

(Continued on following page)

Architects—Continued

OREGON—Continued
PORTLAND—Goodrich C. L., Abingdon bldg
Grant Jno. H., Board of Trade bldg
Harden D. L., Fliedner bldg
Herzog Harry, Chamber of Commerce bldg
Hopkins Ronald, 513 E. 4th
Hossack Orlo R. W., Worcester bldg
Houghtaling & Dougen, Elks' Temple
Jacobberger Jas., Ry. Exch. bldg
James Chas. D., Couch bldg
Johnson Folger Esq., U. S. Bank bldg
Knighton & Howell, U. S. Bank bldg
Kroner Ernst, Worcester bldg
Laing Wm., 625 Morgan bldg
Lazarus Edgar M., Ry. Exch. bldg
Lawrence & Holford, Chamber of Com. bldg
Lewis P. M. H., Henry bldg
Linde Carl L., Artisans bldg
Lucius W. W., Lewis bldg
McClaran E. E., Exch. bldg
Maclure Arthur J., Lewis bldg
Marsh Harold D., 1223 N. W. Bank bldg.
Martin C. B., Ry. Exch. bldg
Miller E. A., Henry bldg
Morgan W. L., Morgan bldg
Parker Jamieson, U. S. Bk. bldg
Purcell Wm. G., Spalding bldg
Roald K. A. (De Young & Roald), Spalding bldg
Schacht Martin, Yeon bldg
Schact Emil, Commonwealth
Smith & Griffiths, Gerlinger bldg
Stokes F. M., Chamber of Commerce
Sutton & Whitney, Lewis bldg
Thomas Lee, U. S. Nat. Bank bldg
Tourtellotte & Hummel, Failing bldg
Universal Plan Serv. Co., Ry. Exch. bldg
Waale-Shattuck Constr. Co., Henry bldg
Wallwork C. H., U. S. Bank bldg
Watt & Murray, McKay bldg
Watt James, 1159 Mallory av
Webber F. T., Exch. bldg
White F. Manson, Sherlock bldg
Whitehouse M. H., 619 Ry. Exch. bldg
Whitney Harrison A., Lewis bldg
Williams D. L., Cham. of Com. bldg
Williams Edwin A., Dekum bldg
Williams Hubert A., Chamber of Commerce bldg
ROSENBERG—Holmes Bert
SALEM—Legg Fred A.
Post Geo. M.
Smith Clarence, Masonic bldg.
Van Patten C. & Son, Masonic Temple
SHERWOOD—Watkins S. E. & Sons
SILVERTON—Freeman C. N.
THE DALLES—Crandall C. J.
Hall Lewis P. M.
Price E. C.

PENNSYLVANIA

ABINGTON—Curtis Henry Loomis
ALLEGHENY—(See Pittsburg)
ALLENTOWN—Cassone Joe H., 506 Hamilton
Moyer Tilghman Co., 824H Hamilton
Pickin Ephraim M., Hunsicker bldg
Ruhe & Lange, 10 N 6th
ALTOONA—Friehling Walter
Hersh & Shollar, Commerce bldg
Millard Julian
Puderbaugh D. Geo.
AMBRIDGE—Hill Robt. H.
Lord Herman A.
ARDMORE—Mason Geo. C.
AVALON—Rosseau S. L.
BELLEFONTE—Cole Robert
BELLEVUE—Vandevort R. G.
BERWICK—Sitler C. E.
BERWYN—Allen Geo. W., West Orchard Way, Dir.
BLOOMSBURG—Hower Henry
BOALSBURG—Boal Theadore Davis, Centre Co.
BRADDOCK—Rankin Jos. H.
Richards S. C. & Co.
Yost D. S.
BRIDGEVILLE—Rehman August
BROOKVILLE—Carr John & Son
BUTLER—Kline Geo. W. (& Contr. Engr.)
CHAMBERSBURG—Rhoads M. R.
CHARLEROI—Brenton Jos. C.
CLEARFIELD—Chapline John
COATESVILLE—Kerns & Carroll
COLUMBIA—Paules G. E.
COOPERSBURG—Jordan Grenaah
CORRY—Mount A. P. & Son
DANVILLE—Brugler J. H.
DEVON—Rogers T. Mellon
Thorne H. K.
DONORA—Compton C. C.
DORRANCETON—Marcy Geo. L.
DOYLESTOWN—Histand H. H.
Martin A. O.
DRAVOSBURG—Whitaker C. L.
DUBOIS—Harrington & Howard
Overdorf Wm. H.
DUNMORE—Hartmen Albert
EAST STROUDSBURG—Hoffman Graydon
Rinker Harold T., Henry bldg
EASTON—Michler Wm. M.
Morgenstern Geo. A.
Shnyder J. M.
Wenzelberger E. H.
ERIE—Schotte Armin, Marine Bank bldg
Stickle G. Wesley, Ariel bldg
ESPY—Hughes D. E.
FALLS CREEK—Lukehart A. L.
FARRELL—Decker J. L.
Johnson H.
FRANKLIN—Brady S. D.
Brakeman Harvey
GETTYSBURG—Crowe J. H.
GLENSIDE—Hammer Harry G.
Yerkes H. V.
GLENOLDEN—North Wm. F.
GREENSBURG—Bartholomew Paul A.
Nelson Edward J.
Sloan W. G.
Truxell Geo. H.
HANOVER—Hosteter O. H.
Myers I. M.
HARRISBURG—Fahnestock Frank G. Jr.
Hamilton Thos. H., 11 N. Market sq
Kain C. H., Arcade Bldg
Kast & Keller, 222 Market
Lappley Clayton J., 200 Locust
Lawrie & Green, 116 Locust
Starr B. E., 9 N. 2nd
HOMESTEAD—Rowlands John C.
Wickerham Adam G.
JACOBUS—William Charles A.
JENKINTOWN—Mayo Frank H.
Myton W. R.
Powell W. S.
KITTANING—Rairigh O. C.
LANCASTER—Bartholomew H. M., 39 E. Grant
Evans Melvern R., 10½ E Orange
Harman John B., 48 N Queens
Rothenberger Daniel M., 140 N Queen
Shaub Henry Y., N Queen & Chestnut
Urban C. Emlen, Woolworth bldg
LANSDALE—Bean M. B.
Conver S. S.
LANSDOWNE—Hoopes J. Willard
Lewis Edwin B.
Pedrick Harry Morrison
Salter Edw. D.
Taylor Walter L.
LATROBE—Slack P. S.
LEBANON—Boyer Geo. H.
Hauer & Mowere (& at Philadelphia)
LEWISTOWN—Montgomery Harry B.
LOCKHAVEN—Ball Charles
Blesh Alex
Tidlow Cliff
McKEESPORT—Lindemans Henry J.
Lohman H J.
Moffitt Charles R.
MAPLE GLEN—Mullen Wesley
MAUCH CHUNK—Prutzman M. G.
MEDIA—Flounders Newton
MIDDLEBURG—Stetler J. H.
MILLERSBURG—Douden Wm.
MONESSEN—Beall J. M.
Lohman J. A.
MONONGAHELA—Keller Frank P.
Yohe Geo. W
MORRISVILLE—Stockham T. B.
MOUNT CARMEL—Strauser Clayton E.
NEW CASTLE—Eckles W. G.
Foulk Frank H.
Thayer & Thayer
Wirsing H. M.
NEW KENSINGTON—Easton Thos. G.
Laughlin Wm. J. (& Builder)
Nichols Bro.
NEWTOWN—Chamberlin James B.
NORRISTOWN—Boggs Edw. T.
Grater Ursinus
NORTH WALES—Jarrett Chas. L.
NORWOOD—Boekenkamp E. G. Sr.
OIL CITY—Bailey E. E. Co.
Brenet Joseph P.
PHILADELPHIA — Abel Victor D., Otis bldg
Abramson Sam'l, 2313 Walnut
Adams A. M., 1012 Walnut
Adams Clyde S., 2038 Spruce
Architects Service Co., 1709 Sansom
Ash Percy, 1827 Arch
Ash Thos. Edw., 1012 Walnut
Ashmead Duffield Jr., Franklin Tr. bldg
Baily & Bassett, 421 Chestnut
Ballinger & Co., 12th & Chestnut
Barclay J. H., 1027 W. Oxford
Barnes Amos W., Perry bldg
Barney Wm. Pope, 1805 Walnut
Bassett Daniel B., 1520 Locust
Bassett Geo. G., 421 Chestnut
Bateman Wm. M., 1524 Chestnut
Baum Geo. C., 1511 Arch
Baylinson S. Brian, 1112 Chestnut
Bencker Ralph B., Bellevue Ct. bldg
Bendiner Alfred, Drexel bldg
Berger Carl P., **1512 Walnut**
Bernhardt Max A., 721 Walnut
Berry Frank A., 1219 Est Tr. bl
Bertolett Edwin F., 721 Walnut
Betts Benj. E., 1723 Sansom
Bickley Geo. Howard, Franklin Tr. bldg
Bieber Alvin C., 5142 Spruce
Binns L. E., 5516 Gtn.
Bissell & Sinkler, Bonbright bldg
Blithe Wesley L., 608 Chestnut
Bolton Chas. W., Schoff bldg
Borie C. L., Otis bldg
Borzner Andrew C., 717 Walnut
Boyd Abel & Gugert, Otis bldg
Boyd D. K., Otis bldg
Boyd Lawrence V., Harrison bldg
Bright John, 1714 Otis bldg
Brockie Arthur H., 254 S. 15th
Brown Benj., 1211 Chestnut
Brugger John T., 505 Chestnut
Brumbaugh G. Edwin, Rl. Est. Tr. bldg
Bullock John Emlem, 34 S. 17th
Bunting & Shrigley, 603 Chestnut
Bureau Architecture of Mech., 1701 Arch
Burke Wm. M., 404 S. Broad
Cain Herbert L., 1709 Arch
Caldwell Francis G., Stephen Girard bldg
Campbell Wm. M., 807 Flanders bldg
Capobianco Michael, 721 Walnut
Carlin John J., Drexel bldg
Carroll John J., 1619 Chestnut
Carswell Harold T., 1015 Chestnut
Caspary Clarence L., 325 S. 17th
Castor Horace W., Stephen Girard bldg
Chance Geo. Whitefield, Harrison bldg
Charr Wm. L., 149 S. 4th
Churchman C. Wharton, Otis bldg
Clark J. Frank, 23 S. 16th
Colton R. L., 225 S. Sydenhm.
Conarroe J. Linerd, 225 S. Sydenhm.
Coneys Jno. L., Drexel bldg
Cope & Stewardson, 315 S. 15th
Cornell & Mathews, Bulletin bldg
Crane Edw. A., 1805 Walnut
Cret P. P., 516 Woodland Terrace
Dagit Fred D., 3759 N. Bouvier
Dagit Henry D. & Son, 34 S. 17th
Davis Dunlap & Barney, 1805 Walnut
Day & Klauder, Franklin Bk bldg
De Armond, Ashmead & Bickley, Franklin Tr bldg
Demchick Israel, 171 Chestnut
Dobbins Albert N., 1709 Arch
Donohoe W. W., 1120 Locust
Dreher & Churchman, 1424 Walnut
Druckenmiller & Williams, 1537 Chestnut
Duhring H. L., 1309 Locust
Dull John J., 1524 Chestnut
Dunlap & Barney, 1805 Walnut
Dunlap M. Edmunds, 1805 Walnut
Durang Ferdinand F., 1220 Locust
Durham Bros., 1609 Sansom
Durham Walter K., 1345 Pine
Dyer W. E. S., Land Title bldg
Eberhard Victor, 603 Chestnut
Edkins Geo. E., 1211 Walnut
Edmunds Franklin D., **Real Est. Tr. bldg**
Edwards & Green, 34 S. 17th
Edwards E. Nelson, 1012 Walnut
Ershine Richard, 1716 Cherry
Evans & Warner, 210 S. Turner
Eyre Wilson, 1003 Spruce
Fein Morris, 131 N. 15th
Fetterolf Edwin H., 1524 Chestnut
Fielding Mantle, 518 Walnut
Fieldstein J. Ethan, Otis bldg
Folsom & Stanton, 10 S. 18th
Frank J. H., Real Est. bldg
Fries Christian H., Drexel blvd
Fuller J. S., **5488 Locust**
Furber W. C., 328 Chestnut
Furness Evans & Co., 315 S. 15th
Gallucci N. G., 7901 Eastwick
Getz Peter F., 1634 N. 6th
Gilchrist Edmund B., 1627 Sansom
Gilmore Chas. Willis, Fuller bldg
Gleeson Mulrooney & Burke, 404 S. Broad
Goldberg Ralph L., Fuller bldg
Golden Jos. P., 1434 N. Ithan
Graham John Jr., 10 S. 18th
Griesler Fred N., 1035 Walnut
Groben W. Ellis, Lawton & Chelton
Gugert Frances A., Otis bldg
Hahn Frank E., 1112 Chestnut
Hamilton Hugh A., Greene & Chelton
Hammer H. G., 1716 Sp Grdn
Hance Wallace, E 23d & Spruce
Harbeson John F., 112 S. 16th
Harris & Richards, Drexel bldg
Harris Jas. Russell, 603 Chestnut
Hauer Harvey T., 3110 Columbia av
Hawley Sam'l D., 30 E. 17th
Heacock & Hokanson, 1211 Chestnut
Helick Chauncey G., 16th & Oxford
Hesser Paul M Jr., 5829 Greene
Hewitt & Ash, 1827 Arch
Hillman Chas. L. & Son, 400 Chestnut
Hodgens H. Child Inc., 130 S. 15th
Hoffman Henon Co., 19th & Panama
Hokanson Oscar M., 1211 Chestnut
Holland Robert G., Real Estate Trust bldg
Howe Geo., 205 S. Juniper
Hulme Norman, 1524 Chestnut
Huston Jos. M., Presser bldg
Idell Geo. S., 1705 Chestnut
Jackson W. E., 1003 Spruce
Johnson & Schuyler, 10 S 18th
Johnson Lindley, Harrison bldg
Johnson Orrie D., 1713 Sansom
Kalpan Solomon, 10 S 18th
Karcher & Smith, 34 S. 17th
Keen C. Barton & Wallace, 338 S. Smedley
Kellogg Thos. M., 1805 Walnut
Kelsey Albert, Perry bldg
Kennedy H. E., Walnut & Juniper
Kerns Richmond A., Fuller bldg
King Guy, 1513 Walnut
Kirkpatrick Donald M., Otis bldg
Klauder Chas. Z., Franklin Bk bldg
Kline Herman H., Bulletin bldg
Koelle Wm. F. B., Otis bldg
Koenig Franz C., 4920 Parkside av
Lacey Adin Benedict, 1012 Walnut
Lachman & Murphy, Drexel bldg
Laschenski Sigmond J., 1220 Locust
Lee W. H., Schaff bldg
Levi Louis, Real Estate Trust bldg
Levin I. W., 1011 Chestnut
Lewis Stanford B., Stephen Girard bldg
Lippincott Thos. B., 11 S. 16th
Loos Richard C., 2218 Chestnut
Lovatt George I., 223 S. Sydnhm
Love S. Arthur Jr., 154 N 11th
Lowery Jos. F., Land Title bldg
McAllister Louis E., 1624 W Venango
McGoodwin Robt. R., 16th & Walnut
McIlvain & Roberts, 112 S. 16th
McLanahan M. Hawley, 908 Bellevue ct
McMurtrie Harry G., 1012 Walnut

Mackenzie & Wiley, 806 Liberty bldg
Magaziner Eberhard & Harris, 603 Chestnut
Margolis Jos., Schaff bldg
Martin E. Wm., 23d & Spruce
Martin Sidney, E. Otis bldg
Mecaskey Richard W., Otis bldg
Medary M. B., Otis bldg
Medoff Ezekiel B., Lincoln bldg
Megrail Alfred H., 1309 Locust
Meigs Arthur I., 205 S Juniper
Meller Walter, 205 S Juniper
Mellor Megs & Howe, 205 S Juniper
Miller H., 1420 Chestnut
Miller T. Frank, 1012 Walnut
Mills & Van Kirk, Harrison bldg
Milner Sam'l D., 1117 Foulkrod
Mitchell Chas. J., 15 S 21st
Monaghan Paul, 1713 Sansom
Morris & Erskine, 1716 Cherry
Mueller Arnold, 901 Walnut
Murphy G. Harold, Drexel blvd
Neeley Richard R., 23d & Spruce
Neff Conrad F., 12th & Locust
Neubauer Stanley K., 1118 Chestnut
Nickels Frank V., 15 S 21st
North Chas. T., 1709 Sansom
Oelschlager Chas. E., 1615 Walnut
Okie R. Brognard, Crozer bldg
Otto Karl F., 1828 Arch
Page Geo. Bispham, 315 E 15th
Pappano D. J., 13th & Reed
Parker H., 1120 Locust
Parry Oliver R., 1631 Chestnut
Peddle Chas. R., 136 S. 4th
Peirce Caleb C., 1520 Locust
Penwood Co., 131 N 15th
Perot-Robeson Lea, 137 Harvey
Perrot Emile G., Boyertown
Peterson Horace B., 34 S 17th
Phillips Watson K., 213 S. 5th
Plack W. L., 12th & Locust
Pollock Robt. W., 8 S. Hicks
Potter W. Woodburn, Real Estate Trust bldg
Pratt Roy G., Franklin Trust bldg
Price Walter F., 119 S. 4th
Pritchett Wm. C., 416 Walnut
Rabenold Chas. F., 1524 Chestnut
Rackie John H., 4448 Frederick
Rankin Kellogg & Crane, 1805 Walnut
Rauch Jos. J., 200 W Sulis
Read Chas. N., 222 S 15th
Register H. Bartol, 1520 Locust
Reyfuss Geo. U., 1709 Sansom
Reinhold Henry L. Jr., 1513 Walnut
Richards Howard S., Drexel bldg
Ritter & Shay, North American bldg
Roberts Chas. H., 112 S. 16th
Roberts Spencer, S 18th
Rogers W. A. C., 712 Walnut
Rommel Frank A., Weightman bldg
Roth Edward A., Drexel bldg
Roth G. B., 1629 Chestnut
Rothchild Edwin L., Bankers Trust bldg
Rothschild Le Roy B., 1225 Sansom
Rush Louis H., 34 S. 17th
Sauer Andrew J., Denckla bldg
Savage Geo. E., Witherspoon bldg
Savery & Scheetz, St. Girard bldg
Savery Addison H., 1309 Locust
Schaef Chas. F., 11 S. 16th
Scheetz Wm. C., St Gerard bldg
Schenck Albert, Real Estate Trust bldg
Schermerhorn Clarence E., 213 S. 5th
Scherr L. Valentine, Drexel bldg
Scheuringer Chas. A., 1211 Chestnut
Schoeppe Edw., 316 S. 15th
Seeburger Frank, 1524 Chestnut
Seeler Edgar V., 101 S Juniper
Sellers Horace Wells, St Gerard bldg
Sharpley W. W., 225 E. Washington sq
Shay Howell Louis, North Amer bldg
Shrigley Arthur, 603 Chestnut
Shulman Benj., 1722 Arch
Simon & Simon, 249 S Juniper
Simons Geo. J., 929 Chestnut
Sims Jos. P., 126 S. 18th
Sindoni John D., 1628 W. Pasynk
Sinkler John P. B., Bonbright blvd
Smedley Walter, Stephen Girard bldg
Smith Livingston, 34 S. 17th
Smith W. Frisbey 1545 Arch
Stackhouse Rex H., 129 S 5th
Stanton Wm. C., 10 S. 18th
Stanton Wm. Macy, 1524 Chestnut
Stearns & Woodnutt, Stephen Girard bldg
Stern Adiel Martin, 413 N. 38th
Stetler Jesse L., 1015 Chestnut
Stevens Benj., 1827 Arch
Stewardson & Page, 315 S. 15th
Stewart Stanley Potter, 1524 Chestnut
Stewart Wm. E., 2409 Sedgly
Stopper Eugene A., Fuller bldg
Street J. F., 129 S 5th
Strickland Blodgett & Law, 222 S. 15th
Stuckert F. Russell, Crozer bldg
Supowitz David, 929 Chestnut
Taylor Ellory K., Franklin Bank bldg
Taylor John Howard, 4920 Warrington
Thalheimer & Weitz, 10 S. 18th
Thomas, Martin & Kirkpatrick, Otis bldg
Thompson J. W., 703 S. 60th
Thompson Wm. Heyl, 1211 Walnut
Tilden & Register, 1520 Locust
Tourison Bart, Land Title bldg
Trout & Truscott, 222 S. Jessup
Trumbauer Horace, Land Title bldg
Truscott Dale, 222 S. Jessup
Tunis Louis J., 1423 Locust
Tyre Philip S., 1509 Arch
Uezzell Frederick T., 717 Walnut
Wadsworth R. J., Bonbright bldg
Walker & Carswell, 1015 Chestnut
Wallace & Warner, 1012 Walnut
Walton W. McKee, 119 S. 4th
Ward Alfred L., Stephen Girard bldg.
Warner Fred G., 1012 Walnut
Watson Frank R., 1211 Walnut
Webber & Wurster, 1530 Locust
Weldon H. B., 1520 Locust
White Ralph E., Penna bldg
Wightman Edgar A., Bankers Tr bldg
Wiley Jos. H., Bankers Trust bldg
Williams Carl H., 1537 Chestnut
Willing Chas., 1627 Samson
Wilson E. Allen, 1208 Chestnut
Wilson Eyre & McIlvaine, 1003 Spruce
Windrim Jno. T., Commonwealth Tr bldg
Wise Herbert C., Franklin Bk bldg
Wooley J. Bedford, 210 S. Quince
Wunder Clarence E., 1520 Locust
Wurster Fred J., 1530 Locust
Yardley Ernest H., 1713 Sansom
Yeo Edwin A., 225 S. Sydnhm
Young John, 131 N. 15th
Zantzinge, Borie & Medary, 112 S 16th
Ziegler Carl A., 1309 Locust

PHOENIXVILLE—Lowry I. B.

PITTSBURGH—Alden & Harlow, 305 5th av
Architects Small House Service Bureau Inc., Fergusen bldg
Bair Harry S., Vandergrift bldg
Bartberger C. M. & Son, Westinghouse bldg
Bartholomew & Smith, Keenan bldg
Beatty John L., 146 Sixth
Bellinger Louis A., 525 5th av
Beltz Wm. K., 146 6th st
Berg R. Jr., 1149 Chislett st
Berner Frances A., Vandergrift bldg
Bickel Chas. & Son, Renshaw bldg
Bier Chas. W., 219 6th
Billquist T. E., Vandergrift bldg.
Bladel Edward Lee, Hardy & Hayes bldg
Boyd Chas. H., Park bldg
Boyd Wm. Jr., Empire bldg
Boyer E. W., Ferguson bldg
Brandt L., Century bldg
Brosie Louis O., Morwood bldg
Butler & Hasness, East End Term. bldg
Button L. H., Fritzsimons bldg
Carlisle & Sharrer, Jenkins Arcade
Clepper H. C., Park bldg
Comes John T., Renshaw bldg
Crone Daniel A., Oliver bldg
Crooks F. McC., Jones Law bldg
Denick Edwin V., House bldg
Douglass A. R., Magee bldg
Dowler Press C., Magee bldg
Dwyer J. E., 5808 Forbes
Eichholz T. R., 413 4th st
Ellington Douglas D., Wabash bldg
Elliott John B., 245 4th
Eric Fisher Wood & Co., Hardy & Hayes bldg
Estep & Estep, Century bldg
Friedberg R. J., Farmers Bk bldg
Frimmer Frank, 417 Chartiers
Geisler Chas. R., Ferguson bldg
Giffin Frederick, Magee bldg
Gilchrist H. D., Conestoga bldg
Goldner David, Whitfield bldg
Harlow A. B., Farm bldg
Hannah Thos., 209 9th
Heckert Sidney F., Bessemer bldg
Heckert S. F., Jr., Bessemer bldg
Hergenroeder E. J., 219 St. Lukes sq
Heron Thos. J., 1012 Forham av
Hitchens Chas. P., 1st Nat'l Bk. bldg
Hooker Richard, Farm bldg
Howard & Hatcher, Empire bldg
Hunting-Davis Co., Century bldg
Hutchins, W. P., Conestoga bldg
Ingham & Boyd, Vandergrift bldg
Irvin Richard, Ferguson bldg
Irwin Paul W., Renshaw bldg
Janssen Bemo, Century bldg
Jones Howard K., Farm bldg
Kaiser B. J., Keystone bldg
Kann Norman K., Home Tr. bldg
Kauzor Bros, Dol., 524 Federal
Keirn Edward J., Westghs bldg
Kiehnel & Elliott, 245 4th av
King Wm. H. Jr., House bldg
Klicker Walter R., 146 6th
Kloman Chas. A., Methodist bldg
Kuntz Jos. F., Westinghouse bldg
Lang Herman J., 1617 Brownsville
Lee Edward B., Chamber of Comm. bldg
Liesch Pierre A., 213 Lexington
Link A. F., 407 N. Craig st
Lisotto E., 559 Lenora st
Long John A., 421 Wood
Lowe Albert G., Ferguson bldg
Ludlow Thos. W., Wabash bldg
MacClure & Spahr, Keystone bldg
Marlier R. M., Empire bldg
McCollum J. M., Berger bldg
McCormick Wm., 121 S. Negley av
McCullough Herbert M., Ferguson bldg
MacMullen Leo A., Renshaw bldg
Marks & Kann, Jackson blvd
Marstellar S. A., 246 3d av
Meals F J., 1100 Wooland av
Mental C. G., 1276 Spring Garden av
Merrick Fredc. L., Empire bldg
Merriam R. J., Hardy & Hayes bldg
Neal Allen H., Keystone bldg
Nirdlinger Max, Empire bldg
Obitz John E., Negley bldg
Osterling F. J., 228 Isabella
Palmgreen C. J., Century bldg
Palmgreen Chas. T., Cham. Com. bldg
Pellegrini Casimer J., Union Trust bldg
Peoples U. J. L., Monon bldg
Perry Will R., Renshaw bldg
Phillips Jno. H., Fulton bldg
Piper J. P., Oliver bldg
Prack B. H., Keystone bldg
Pringle Thomas, 410 Oliver
Rahiser H. S., 17 Wheeler
Rentte Ralph, Whitfield bldg
Reutti Ralph M., 5941 Baum
Richard S. C., 430 Library st
Rieger Chas. J., Germania Bk. bldg
Rigaumont V. A., 421 Wood bldg
Rogers Geo. O., Penn bldg
Roush Stanley L., Cham. Com. bldg
Rowland Geo. M., Lakewell bldg
Rubin & Ve Shancey, Union Arcade
Rutan & Russell, Century bldg
Satterwhite Robert L. Jr., Lloyd bldg
Sauer Fred C., Brilliant av
Schardt Walter, 555 Homewood av
Schmid Emil, Benson av
Schwab H. A., Cham. Com. bldg
Schwan Geo. H., Peoples Bank bldg
Schweinberg L. Paul, Whitfield bldg
Sharove & Friedman, Berger bldg
Simons Brittain & English Inc., 336 4th av
Smart Frank H., 3418 Delaware av
Smith Brandon, 6741 Macpherson
Snaman Wm. E., Empire bldg
Spahr Albert H., Keystone bldg
Steen James T. & Sons, Vandergrift bldg
Steffler Edw. H., 410 Oliver
Stevens Louis, Century bldg
Stewart W. J. Jr., Fergusen bldg
Stimpson E. B., 827 Holland av
Stotz Edward, Monon. Bank bldg
Stulen Walter H., 101 Market st
Strong Carlton, Union Bank bldg
Struthers W. F., 209 9th
Thomas W. A., Magee bldg
Topp O. M., Jenkins bldg
Trimble R. Maurice, Ferguson blk
Tufts Chas. W., Jenkins av
Van Ormer Roy H., 619 N. Homewood
VeShancey Meyer, Union Tr. bldg
Viehman Harry, Chammer Com. bldg
Vrydaugh & Wolffe, Century bldg
Weber Edw. J., 237 4th av
Wickerham Adam G., 135 E. 8th av
Wilkins W. G. Co., Westinghouse bldg
Williams W. Ward, Magee bldg
Winner B. L., 200 E. McIntyre av
Wilson R. Alex., 673 Washington rd
Wilson & Mitchell, Bessemer bldg
Wolfe T. B. & Lawrence, Century bldg
Wood Eric Fisher, Hardy & Hayes bldg

PITTSTON—Turon L. P.

POTTSTOWN—Kepner Arthur S.

POTTSVILLE—Hill Wm. D.
Houser Wm. H.
Reilly Frank X.

PUNXSUTAWNEY—Harl David G. (residences only)
Shilling L. S.

READING—Brown D. F., Northmont
Ehrsam Fritz, 922 Penn.
Fink W. A., 426 Franklin
Freeman G. C., 1111 N 11th
Gerhard G. L. & Son, 619 Penn
Heckman H. R. & Co., 1604 Mineral Springs rd
High W. M., 11 N 5th
Lance L. D., Hill Crest
Maurer Harry, 234 N 5th
Muhlenberg Frederick A., Liberty Bk bldg
Ritcher & Eller, 147 N. Fifth
Rothenberger D. M., 348 Greenwich
Scholl Edw. Z., 136 Robeson
Smith A. F., 1029 Penn
Walter W. A., Penn boul., W. Lawn
Young Calvin J., 226 N 6th

RENOVA—Shade Grant

REYNOLDSVILLE—Young D. H.

RIDGWAY—Park H. C.

ROCHESTER—Earl J. W.
Mathews F. E.

ROYERSFORD—Poley J. Vincent

RUTLEDGE—Wells Chas. M.

SCOTTSDALE—Zearley S. J. & Son

SCRANTON — Barrett James A., Real Estate bldg
Brown Fred'k L., Adams av & Linden
Davey H., Jr., Coal Exchange bldg
Davis Edw. H.—Lewis George M. D., Union Bank bldg
Duckworth J. S., Coal Exch. bldg
Dunning Engineering Co., Mears bldg
Edson Gilbert, Connell bldg
Hancock Lewis, Meade bldg
Howley Jno. J., Traders Bank bldg
Langley Edward, Scranton Life bldg
Morgan David H., Connell bldg.
Morris & Mac Hale, Mears bldg.
Nelson Fred A., Connell bldg
Rutherford Herman C., Scranton Real Estate bldg
Ward Albert J., County Bk. bldg

SEWICKLEY—Macqueen James M., Esq., 217 Bank

SHAMOKIN—Jury W. U.
Lee W. H.
Schweitzer F. R.

SHARON—Bastress D. G.
Clepper E. E.
Matheny C. A.
Weaver C. J.

SOMERSET—Walker E. H.

SOUDERTON—Landis Jerome S.

SOUTH BETHLEHEM—Bitting Edward R.
Leh A. W.

STATE COLLEGE—Kocher A. L. (Schools)

TARENTUM—Cutshall Ira F.

TYRONE—Wise W. F. (specialty; theatres)

UNIONTOWN—Altman Harry W.
Cooper A. P.
Fulton J. O. & Son
Harman Jno. H.

(Continued on following page)

Architects—Continued

PENNSYLVANIA—Continued
VERONA—Stough E. K.
WALLINGFORD—Watson Frank C.
WARREN—McNeil & Feets Co.
Gruninger F. H.
Phillips E. A.
WASHINGTON—Kerns John A.
Vester J. W.
WAYNE—Gugert Francis A.
Shaw J. William
WAYNESBORO—Woltz James W.
WESTCHESTER—Vance Charles H.
WILKES-BARRE—Atherton, Thos. H., Jr.,, Coal Exchange bldg
Boyle James A., Bennett bldg
Evans Clark W., Coal Exchange bldg
Knapp & Bostworth, 15 S Franklin
McCormick & French, 2d Nat Bk bldg
Reilly Austin L., Bennett bldg
Schroeder Geo. F., Weitzenhorn bldg
Welsh Geo., Coal Exch bldg
WILKINSBURG—Allison A. W., 748 Glenn av
WILLIAMSPORT—Feil Chas. W.
Fisher & Scholl
Fisher, Mahlon Leonard
Rianhard F. Arthur
WYOMISSING—Lance L. D.
Stetler Hy. A., 1137 Penn av
YORK—Bowers Robt. W.
Dempwolf J. A.
Dempwolf, Reinhardt
Gemmill & Billmeyer
Hamme John B.
Leber Edward
Stair Robert A.
Willis B. F.

RHODE ISLAND.

ATTLEBORO—Higgins Olstin M.
CENTRAL FALLS—Desvoyan, Helia L.
JAMESTOWN—Bevins Chas. L.
LONESDALE—Learned Chas. H.
NEWPORT—Easton Roland J. & Son
Smith Jas.
Weaver Thomas L. S.
PAWTUCKET—Bizier Simeon C.
Humes Albert H.
Learned Chas. H.
Monahan R. C. N.
O'Malley Fitzsimmon Co.
PROVIDENCE—Almy Arthur Lewis, 42 Weybosset
Angell & Swift, 87 Weybosset
Cady John Hutchins, Hospital Trust bldg
Chiaverini Francis, 32 Broadway
Clarke & Howe, Turk's Head bldg
Costantino Joseph M., 212 Union
Cull Edwin E., 17 Exchange
Dodd Dennis F., 6 Thomas
Frappier Arthur J., 318 Strand bldg
Hill Arthur E., 75 Westminster
Homer Eleazer B., 87 Weybosset
Hoppin Field & Pierce, 31 Market sq
Hunt Herbert R., 32 Westminster
Isham Norman M., 107 Westminster
Jackson, Robertson & Adams, Turks Head bldg
Lewis Harry A., 75 Westminster
Lockwood Chas. H., 171 Westminster
McLaughlin Thomas S., 72 Weybossett
Martin B. S. D., 86 Weybosset
Martin & Hall, Union Trust bldg
Murphy A. J., 146 Westminster
Page & Page, 87 Weybosset
Perry & Whipple, 513 Hos. Tr. bldg
Pierpoint Clarence S., 6 Thomas
Richards Wm. G., 17 Exchange
Santangini Addeo & Zetterstrom, 77 Washington
Slocomb Harry A., 511 Westminster
Stone, Carpenter & Sheldon, Ind. Tr. bldg
Walker W. R. & Son, 49 Weybosset
Walker Wm. R. & Son, 17 Custom House
Wightman Elton J., 413 Lri. Hl. av
Wright Benj., Howard bldg
TIVERTON—Rose Rich D.
WARREN—Hall Benjamin M.
WOONSOCKET—Drouin Oscar H.
Fontaine Walter F.
Nadeau J. A.

SOUTH CAROLINA.

ANDERSON—Baldwin J. J.
Casey & Fant
Sayre C. Gadsden
BENNETTSVILLE—Harrell H. D.
CAMDEN—Fort O. M.
Mitcham R. W.
CHARLESTON—Benson & Barbot
Hyer David B.
Newcomer John D.
Simons Albert
CLEMSON COLLEGE—Lee R. E.
COLUMBIA—Hamby A. W.
Johnson J. C.
Lafaye Geo. E.
Sams J. H.
Urquhart J. B.
Wilson & Berryman, Palmetto bldg
FLORENCE—Hicks & Harper
FORT MILL—White, Hugh E., Esq.
GREENVILLE—Cunningham F. H. & J. G.
Jones H. O.
Martin & Ward
Neves W. D.
Rogers F. G.
Sirrine J. E. (Textile Mill Architect & Eng.)
GREENWOOD—Cothran Thos. W.
Summer J. E.
ROCK HILL—Gilchrist A. D.
Starr Julian S.
Walker N. Gaillard
SPARTANBURG—Collins J. Frank
Bradley Bonded Warehouse Co., 115 W. Main
Southern Trading Co., 107 N. Church
Tinsley S. P., Harris bldg

SOUTH DAKOTA.

ABERDEEN—Fossum Geo. F.
Henry J. W.
DALLAS—Townsend G. E.
HURON—Issenhuth George
Kuehn F. C. W.
MITCHELL—Berg L. O.
Wherry S. C.
SIOUX FALLS—Chapman Jno. C.
Perkins & McWayne
Schwarz Jos.
WATERTOWN—Hockman Maurice Allen
Shoultz A. H.
YANKTON—Goetz Co.

TENNESSEE.

BRISTOL—Burnett & Loggans
Doriot H.
Kearfott Clarence B.
CHATTANOOGA—Alsup J. D., James bldg
Bearden C. E., First Natl. Bank bldg
Bull Louis A., Volunteer bldg
Hunt R. H., James bldg
Jones C. T., James bldg
Sears W. H., James bldg
Stroop D. V., James bldg
CLARKSVILLE—Ritter H. W. Co.
Smith G. Tandy Jr.
FRANKLIN—Williams G.
JACKSON—Heavner R. A.
Owen W. C.
JOHNSON CITY—Beeson D. R.
Mitchell C. G.
KNOXVILLE—Barber & McMurray, 425 W. Clinch av
Gredig Albert E., Mercantile bldg
Manley & Young, 302 W. Church
Parmelee M. E. & Son, 606 S. Gay
MEMPHIS—Alsop & Callanan, Rand bldg
Bailey W. T., 358 Beale
Broadwell, J. J., German Bk. bldg
Deas Chas., Goodwyn Institute bldg
Gatling Jas. L., Madison Av. bldg
Hanker & Cairns, Scimitar bldg
Hansen Anker F., Shrine bldg
Harrison E. L., P. Bk. bldg
Jones & Furbinger, Porter bldg
Kramer Henry J., Goodwin Inst. bldg
Lester W. C., Scimitar bldg
McGee Hubert, Madison Av. bldg
Mahan & Broadwell, Amer. Bk. bldg
Mann Estes W., Madison Ave. bldg
Mueller Paul L., McCall bldg
Nelson Walter R., Shrine bldg
Patterson Orion C., 11 S. 2nd
Pfeifl Chas. O. & Awsumb Geo., Union & Planters' Bank bldg
Regan & Weller, Bank of Com. bldg
Sieg & McDaniel, Central Bk. bldg
Spencer Raymond B., Goodwyn Institute bldg
MORRISTOWN—Smith, Roswell E.
MURFREESBORO—Bell W. R. Jr.
NASHVILLE—Asmus & Clark, Stahlman bldg
Colley Clarence K., 4th & 1st blvd
Ferguson Chas. A., Arcade
Frahn Harry J., 1501 4th av N
Gardner T. W., Stahlman bldg
Hart R. E., 167 8th av N
Hibbs H. C., F. & F. Nat'l Bk. bldg
Marr & Holman, Stahlman bldg
Norton Geo. C., Ind. Life bldg
Southgate Donald W., Stahlman bldg
Turbeville Robert E., 301½ Church
Waller Geo. D., Ind. blvd
PARIS—Krider C. V.
SOUTH PITTSBURG—Patton R. B.
UNION CITY—Taylor H. P.

TEXAS.

AMARILLO—Berry J. C.
Kaufman W. R.
Rice W. M.
Roquemore O. G.
ARLINGTON—Nelson S.
AUSTIN—Gideon Samuel Edward, University of Texas, Dept. Architecture
Giesecke & Harris, 406 Littleford bldg.
Ketchum W. E., Littlefield bldg
Thomas Roy L., Scarborough bldg
BAY CITY—Large J. E.
BEAUMONT—Babin A
Beck Jos. C.
Logan C. A.
Mauer-Knoblock-Simank
Steinman F. W.
BROWNWOOD—Mount Henry
CLARENDON—Mitchell Nolan D.
COLLEGE STATION—Adelsperger Rolland
CORPUS CHRISTI—Dale Guy
CORSICANA—Blanding H. O.
DALLAS—Barlow W. L., S. W. Life bldg
Bernet Harry M., Melba bldg
Boyle J. Allen Co., Melba Thea. bldg
Bulger Clarence C., Praet bldg
Burton Allen, Melba Thea. bldg
Carrington S. W., Melba Thea. bldg
Castle David S. Co., Dallas Co. Bk. bldg
Chamblin E. Ross, Wilson bldg
Cleveland & Litzelman, Deere bldg
Cowdero Dale F., S. W. Life bldg
Davis Eugene, Merc. Bk. bldg
Dewitt & Lemmon, S. W. Life bldg
Finn & Dunn, Melba Thea. bldg
Flint & Broad, Andrews bldg
Fooshe Marion F. Cheek J. B., Dallas Co. Bk. bldg
Galbraith T. J., Slaughter bldg
Greene Herbert M. Co., No. Texas bldg
Griesenbeck C. H., S. W. Life bldg
Hill Bertham C., Int. bldg
Hill C. D. & Co., Central Bk. bldg
Hunt R. H. Co., S. W. Life bldg
Korn Anton F. Jr., Andrews bldg
Lang & Witchell, Am. Exch. Bk. bldg
Leinbach C. H., Deere bldg
Overbeck H. A., Melba Thea. bldg
Overbeck J. Ed., Wilson bldg
Pitsinger J. A., S. W. Life bldg
Praeger C. E., Deere bldg
Reeves W. H., Andrews bldg
Robertson Fonzie E., S. W. Life bldg
Sadler & Russell, Melba bldg
Sites C. P., Southwestern Life bldg
Swindle D. D., 1707½ Main
Teaque Jas. C., Rep. Bk. bldg
Thompson & Swaine, S. W. Life bldg
Westbrook John W., 407½ N. Bishop
Whitson L. R., S. W. Life bldg
Williams David R., S. W. Life bldg
Woerner F. J. & Co., Central Bk. bldg
Ye Planry Inc., 1713½ Live Oak
Young & Young, S. W. Life bldg
EL PASO—Beutel H. M., First Nat'l Bank bldg
Fritch Alfred R., Trust bldg
Kneezel Edward, State Nat'l Bank bldg
Krause Ernest, 906 N Stanton
Leech Austin, 214½ Texas
McGee Percy Jr., Mills bldg
McKee J. S., 815 E. San Antonio
Patton S. E., 3520 Douglas
Thorman O. H. & Co., 1st Nat'l Bk. bldg
Trost & Trost, Mills bldg
FORT WORTH—Allen Chas. F., Touraine bldg
Atkinson O. H., 806 Taylor
Bogue Wilford S., Texas Nat'l Bk. bldg
Clarkson W. G. & Co., 1st Nat. Bk. bldg
Fry Homer L., W. T. Wag. bldg
Glasgow Earl T., F. & M. bldg
Meador W. C., D. Wag. bldg
Nicolais R. A., F. & M. bldg
Pelich Jos. R., W. T. Wag. bldg
Pollard John H., Fort Worth Nat'l Bank bldg
Sanguinet Staats & Hedrick, 1st Nat. Bk. bldg
Singleton Frank J., Cont. bldg
Van Slyke & Woodruff, Reynolds bldg
Weinman L. B., 711 Main
Woodruff Clyde H., Reynolds bldg
Zehlman Ad J., Wheat bldg
GAINESVILLE—Garrett J. G. & Son
GALVESTON—Papp R. R., Security bldg
GREENVILLE—Kilmer Roy
Lindsey Geo.
Macklin H. B.
Ragsdale W. R.
HOUSTON—Brickey & Brickey, State Nat'l Bk. bldg
Briscoe & Dixon, Carter bldg
Briscoe, B. P., Carter bldg
Brown Chas L., Milwaukee bldg
Brown Geo. T. Co., 4516 Main
Brown Russell Co., Carter bldg
Delisle A., Freed bldg
Endress & Cato, Goggan bldg
Finger Joseph, Woolworth bldg
Finn Alfred C., Goggan bldg
Gaenslen F. B., Larendon bldg
Glover F. S. & Son, Binz bldg
Glover J. M., Goggan bldg
Green L. S., Stewart bldg
Hill C. D. & Co., Larendon bldg
Jones & Tabor, Binz bldg
Jonas Henry F. & Tabor, Union Nat'l Bk. bldg
Kellogg W. B. Jr., State Nat'l Bk. bldg
Lindeberg H. T., Union Natl Bank bldg
McClelland John, Woolworth bldg
Mork Raymond, New Majestic bldg
Muellendorff Emile M., Milwaukee bldg
Northrup J. W., Beatty bldg
Pittman D. D., Prince Theatre bldg
Sanguinet Staats Hedrick & Gottlieb, Carter bldg
Staub John T., Union Natl Bank bldg
Steele Resin D., First Nat'l Bank bldg
Stubee Enair H., Chronicle bldg
Sullivan Maurice J., Carter bldg
Watkins Wm. Ward, Scanlan bldg
Zumwalt F. E., Gulf bldg
JACKSONVILLE—Ray S. W.
LAREDO—Chaille D. J.
Suthered & Co.
MARSHALL—Carpenter John
Lancaster C. G.
NAVASTOTA—Meyerlambers W. H.
PARIS—Barry, Smith & Withers
PORT ARTHUR—Wagnall C. L.
SAN ANGELO—Ruffini Oscar
SAN ANTONIO—Adams & Adams, Gibbs bldg
Ankron Francis S., Hicks bldg
Ayres Altee B., Bedell bldg
Boelhauwe C. T., State Bk & Tr. bldg
Cameron R. H., State Bk. & Trust bldg
Converse J. N., 215 W Commerce
Dielmann L. M. J., 306 E Commerce
Gaenslen Fred'k B., Alamo Bk. bldg
Giles Alfred Co., F bldg. (& at Laredo)
Green Herbert S., Alamo Bk. bldg
Hagy W. N.
Harrington L. & Co., Houston bldg
Herff A. A., S. A. Loan & Trust bldg
Jackson Emmett T., Chandler bldg
Lown David A. Co., Central Trust bldg
Noonan Will N., Moore bldg
Norris & Noonan, Houston bldg
Page Harvey L. Co., 741 E Houston

Phelps H. T., Gunter bldg
Pierce R. L., Central bldg
Sanguinet Staats & Molhauwe, Central Trust bldg
Schoeppl C. B., Gunter bldg
Seutter Carl von, Moore bldg
Silber Paul G. & Co., Bedell bldg
Simmons Malcolm G., Gunter bldg
Smith & Kelley, Nat. Bk. bldg
Spillman B. W., Alamo Bank bldg
Williams J. C. Jr., Moore bldg
Willis Geo., Chandler bldg
SAN MARCOS—McLellan J. L.
SHERMAN—Elliott S. B.
Tackett W. A.
Tuloch Jno.
SWEETWATER—Bryant J. R
TEXARKANA—(See Texarkana, Ark.)
TYLER—Bothwell J. H.
WACO—Eastwood B. D., 405 Praetorian blk
Lane Roy E., Chamber of Commerce bldg
McIver E. R., 208 Bankers Trust bldg
Scott Milton W. & Co., 412 Franklin
WHARTON—Jopling C. E.
WICHITA FALLS—Jones Evan J.
Pate Charles J.
Voelcker & Dixon

UTAH.

BRIGHAM—Wells Carson F.
KAYSVILLE—Allen Wm.
LEHI—Frederickson Christian
LOGAN—Barrett C. T.
Schaub, Karl C.
OGDEN—Hodgson Leslie S.
Sullivan A. S.
Woods & Jensen
PROVO CITY—Nelson & Ashworth
Wright Chas. H.
RICHFIELD—Wright I. L.
SALT LAKE CITY—Ashton & Evans, Vermont bldg
Cannon Georgius Y., Ut. Sav. & Trust bldg
Canton & Fetzer, Templeton bldg.
Cooper W. J., Boston bldg
Hale Fred A., Continental blk
Headlund J. A., Dooly bldg
Miller Miles E. & Co., McIntyre bldg
Neilson Lenard C., McIntyre bldg
Platt Bros. Co., McIntyre bldg
Poll Harry P., McIntyre bldg
Pope & Burton, Newhouse bldg
Scott & Welch, Dooly bldg
Treganza A. O., Utah Savings & Trust bldg
Ware W. E., Utah Sav. & Trust bldg
Winburn Slack W., McIntyre bldg
Wooley & Evans, McCormick bldg
Young & Hansen, McCormick bldg
SPANISH FORK—Braithwaite Jesse
SPRINGVILLE—Whitney L. J

VERMONT.

ARLINGTON—Canfield Chas
Tynan J. W.
BRANDON—Flint F. W
Howland B.
BRATTLEBORO—Rice E. W.
BURLINGTON—Austin Frank Lyman
Crandall Chas. H.
Lawrence A. I.
McDowell & Henderson
McLaughlin John J.
HARTFORD—Newton Louis Sheldon
MONTPELIER—Walker Frank A.
PAWLET—Black Geo.
POULTNEY—Town Wm. L.

VIRGINIA.

ABINGDON—Musser W. H. & Son
ALEXANDRIA—Clark Wm. L.
BEAVER DAM—Noland William C.
BERKLEY—(See Norfolk)
BRIDGEWATER—Miller O., Harvey Miller bldg
CHARLOTTESVILLE—Bradbury Eugene
Wingfield Nimrod T.
COVINGTON—Pace S. E.
DANVILLE—Heard, Cardwell & Craighill
Pritchett & Henderson
DUBLIN—Shufflebarger F. N.
FALLS CHURCH—Von Herbulis A. G.
FREDERICKSBURG—Baldwin Frank C.
Stern Philip N.
HAMPTON—Holtzclaw C. Taylor
Remington Cornelius G.
HARRISONBURG—Heatwole J. S. & Co.
LEXINGTON—McDowell W. B.
LYNCHBURG—Clark P. S.
Craighill S. P., Peoples' National Bk. bldg.
Heard & Cardwell, Peoples Nat'l Bank bldg
Johnson S. S., Peoples Bk. bldg
McLaughlin J. T., Peoples Nat'l Bank bldg
NEWPORT NEWS—Connell Geo. E.
Mackee & Williams
Simpson H. W.
NORFOLK — Abrames Harvey, Arcade bldg
Calrow Chas. J., New Monroe bldg
Diehl W. Newton, New Monroe bldg
Ferebee A. C., New Kirn bldg
Ferguson Finlay F., Law bldg.
Fitzgibbon J. D., New Monroe bldg
Geriuff Sylvester, New Monroe bldg
Gutzwiller E. C., 271 Bank
Hulisick K. L. & Co., Flatiron bldg
Lee James W., 201 Water
Mitchell Benj. F., Seaboard Bk. bldg
Moser Philip B., Law bldg
Neff & Thompson, Seaboard Bk. bldg
Peebles & Ferguson, Law bldg
Rudolph Cooke & Van Leeuven, Arcade bldg
Simpson H. W., Board of Trade bldg
Spiegel Bernard B., Va. National Bank bldg
Taylor Wickham C., Citizens Bk. bldg
Tazewell E. B., Law Bldg.
PETERSBURG—Andrews M. P. & Co.
Craig S. Daley
Dillon C. E., Mechanics bldg
Munden R. A.
PORTSMOUTH—Ferebee A. C., 520 Crawford
Major Chas. M., Com'l bldg
Wise Lee L., 400½ S Green
RICHMOND—Asbury Otis K., 110 N 7th
Barnham H. T., 819 E. Franklin
Baskerville & Lambert, Travelers bldg
Bengtson L. T., Va. Rwy. & Power bldg
Cain H. L., 12 N 9th
Carneal & Johnston, Va. Rwy. & Power bldg
Hartsook L. P., Am. Nat'l Bank bldg
Howell C. K. Inc., 700 E. Broad
Lee W. D., Travelers bldg
Lee Merrill C., 924 E. Main
Lindner & Philips A., N. Bk. bldg.
Lubienski P. S. Co., 800 E. Broad
Messerschmidt H. Carl, Mutual bldg
Noland Wm. C., 5 N 9th
Robinson Chas. M., Times-Dispatch bldg
Rowlett B. J., Richmond Trust bldg
Ruehrmund Max E., Richmond Tr. bldg
Walford J. Binford, Times-Dispatch bldg
Welton Courtenay S., Richmond Trust bldg
West Wm. C., Merchants Bank bldg
Wright Marcellus E., Amer. Nat'l Bk. bldg
Wright Pendleton, Va. Rwy. & Power bldg
ROANOKE—Frye & Chesterman
Miller H. M.
Ragan G. R.
STAUNTON—Collins T. J. & Son
SUFFOLK—Winborne P. J.
WINCHESTER—Diffenderfer E. H.
Neuman J. C.
WYTHEVILLE—Williams Geo. C.

WASHINGTON.

ABERDEEN—Dobell R. H.
Dobell R. H.
Haynes C. A.
Vernon Lawrence R.
Vernon Watson
ANACORTES—Farmer L. A.
BELLINGHAM—Cox Wm.
Doan T. F.
Piper F. Stanley
BREMERTON—Evans Wm F., Jr.
Hale Perley B.
CHEHALIS—Griffin J. De F.
Hill, Mock & Griffin
EVERETT—Spaulding E. G.
Turnbull, B. F.
Whiteley W. H.
KENT—Leeper A. S.
LEAVENWORTH—Durham W. W.
OLYMPIA—Stanley J. C.
Womeb J. H.
OMAK—Okerlund Richard J.
POULSBO—Weaver Rudolph
PULLMAN—Swain Wm.
PUYALLUP—Carpenter Ben L.
Proctor John G.
RENTON—Thorne R. M.
SEATTLE—Aitken Wm., Lyon bldg
Alden Chas. H., Central bldg
Baeder Louis, Securities bldg
Baker Vogel & Roush, Hoge Annex
Bebb Chas. H., Hoge bldg
Beezer Bros., Seaboard bldg
Bittman Henry, Securities bldg
Blackwell J. E., Hoge Annex
Blair Edgar, 1426 Jackson
Blogg Herbert A., Thompson bldg
Buchinger Theobald, Amer. Bank bldg
Creutzer J. A., Leary bldg
Cote Jos. S., Lyon bldg
Doyle & Merriam, First Nat'l Bk. bldg
Dwyer W. E., Empire bldg
Ford Sherwood D., Lyon bldg
Geiser Albert A., 525 New York block
Ginnold Harold H., Boston block
Gould Carl F., Hoge bldg
Graham Jno., Dexter bldg
Haynes Chas., Mehlhorn bldg
Holmes J. Lister, Pantages bldg
Horrocks Pierce, Leary bldg
Houghton E. W. & Son, Ry. Exch. bldg
Howells & Albertson, Henry bldg
Hudson H. E., Amer. Bank bldg
Hudson John S., Empire bldg
Huntington D. R., Alaska bldg
Ivey Edwin J., Pacific blk
Jackson W. C., Seaboard bldg
James Harry H., Alaska bldg
Jones Wm. J., Arcade bldg
Larkins John P., Crary bldg
Lawton & Moldenhour, Alaska bldg
Loveless Arthur L., Colman bldg
Lundberg & Mahon, Lyon bldg
McCauley J. L., Alaska bldg
McClelland & Pinneh, Arcade bldg
McQuaker Andrew, Mehlhorn bldg
Mallis William, Lyon bldg
Mendel & Buchinger, American Bank bldg
Merritt Edw. L., Empire bldg
Milner Warren H. & Co., Haight bldg
Naramore & Menke, Central bldg
Nelson O. F., Pantages bldg
Nevins J. R., Hoge bldg
Osborne E. T., Leary bldg
Paige Clyde A., Thompson bldg
Petry Philip, Arcade bldg
Pracna A. B., Thompson bldg
Priteca B. M., Pantages bldg
Riley Howard H., Arcade bldg
Roberts Earl A., Burke bldg
Rowe R. H., L. C. Smith bldg
Saunders & Guenther, Ry. Exchange
Schack Young & Myers, Central bldg
Siebrand Carl, Nor. Life bldg
Stanley J. C., Nor. Life bldg
Stanley R. C., Lumber Exch. bldg
Stephen & Brust, Thompson bldg
Stoddard & Son, Lyon bldg
Storey Ellsworth, Pantages bldg
Stuart B. Dudley, Walker bldg
Swarz Louis, 208 Columbia
Thomas Harlan, Arcade bldg
Vogel Joshua H., Hoge Annex
Voorhees V. W., Eitel bldg
Wheatley Arthur, Walker bldg
Whiteley W. H., Peoples Bank bldg
Willatsen Andrew C., Walker bldg
Wilson C. D., Arcade bldg
SPOKANE—Carpenter Chas. I., Rookery bldg
Cutter Kirtland, Sherwood bldg
Held Albert, Realty bldg
Hughes F. Omar, Lindell bldg
Keith Geo. H., Hutton bldg
Pehrson G. A., 816 Riverside
Price Ernest V., Hutton bldg
Rand L. L., Rookery bldg
Rigg A. G., Peyton bldg
Rooney Francis P., Auditorium bldg
Stimson V. S., 318 Symons block
Thompson N. E., Paulson bldg
Vantyne, Roland M., Peyton bldg
Wells William A., Hyde bldg
Westcott & Gifford, Spokane Sav. & Loan bldg
White C. Ferris, 828 Montgomery, W
Whitehouse & Price, Hutton bldg
Wood Chas., E 2313 5th av
Zittel Julius A., Auditorium bldg
SUNNYSIDE—Ragland Edward H.
TACOMA—Bornek R. E., P. S. Bank bldg
Breseman E. J., Perkins bldg
Bullard G. W., Provident bldg
Heath & Gove, Puget Sound Bk. bldg.
Hill, Mock & Griffin, Perkins bldg.
Lundberg C. F. W., Provident bldg
Russell Ambrose J., Bk. Tr. bldg
Shaw Fred & S. T., Tacoma bldg.
Shaw Frederic, Tacoma bldg
Whitney, Sutton & Dugan, Rust bldg.
VANCOUVER—Nichols Dennis
Robinson Felix
WALLA WALLA—Copeland H. L.
Crawford Harold E.
Osterman Henry
Siebert Victor
WENATCHEE—Dean Marshall A., Central bldg
Gough Richard V.
YAKIMA—Bissell L. B.
De Veaux William W.
Jacobs Theodore R.
Lanning W. L., Wilson bldg
Lundstrum A.
Perrin W. M.
Thompson A. K.
Weathewax Harry

WEST VIRGINIA.

BLUEFIELD—Hill Geo. H.
Mahood Alex B.
Pedigo & Garry
Shufflebarger E. L.
BUCKHANNON—Hughes D. C.
CEREDO—Gieske J. R.
CHARLESTON—Carson Alexander W.
Crowther Fred, 312 Morrison
Davidson Wayland F.
Dick David & Son
Given & Given
Higginbotham & Knapp
Montgomery Jas.
Warne H. Rus
Wiggins Paul N.
CLARKSBURG—Ford Stephen W.
Hickman Charles L.
Holmboe & Lafferty
Wood Edw. J.
DIAMOND—Kuney M. D.
DUNMORE—Nore J. A.
ELKINS—Darby H. M.
FAIRMONT—Gillis Russell A.
Lyons Andrew C.
Snider C. H.
HINTON—Lavender Jas. B.
HUNTINGTON—Bates Rich. M., 416 11th
Day Robert L.
Dean Levi J.
Diehl Wm., Francis
Dickey A. F.
Gieske J. R.
Smith W. B., 639 13th av
Meanor & Handloser
Willett R. I.
MONROE COUNTY—Gray George H., Sweet Spring
MORGANTOWN—Jacobs Elmer F.
PARKERSBURG—Adair Richard H.
Patton Wm. Howe
Sansbury Theo. T. Jr.
Schneider Harvey W.
PRINCETON—Wysong A. F.
SHEPHERDSTOWN—Humrickouse Samuel J.
WELLSBURG—Wells M. L.
WESTON—Arnold A. A.
Moore J. S.
WHEELING—Bates C. W., 77 12th
Faris Fred F., 1117 Chapline
Franzheim Ed B., 1425 Chapline
Giesey M. F., Law bldg
Grubb Louis D., Register bldg.
Vester C. M., McLain bldg

(Continued on following page)

Architects—Continued

WISCONSIN.

APPLETON—De Long Wallace W.
Wildhagen Herman
ASHLAND—Wildhagen Henry
BELOIT—Kemp F. H.
BLACK RIVER FALLS—McGillivray J. J.
CEDARBURG—Hilgen Wm. F.
CHIPPEWA FALLS—Willenbockel L. A., 509 Bay
EAU CLAIRE—Happy Harrison G.
Lang Robt. A.
Moore Charles
Reily A. E.
Volkman & Hancock
FOND DU LAC—Heller H. F.
Hennen Joseph E.
Mehner B. E.
GRAND RAPIDS—Billmeyer A. F.
DeGuere L. A.
Miller Geo. B.
GREEN BAY—Benton Perry T.
Carr H. W.
Reynolds Wm. E.
JANESVILLE—Blair W. H.
Sadler F. E.
KAUKAUNA—Coppes John
KENOSHA—Augustine Charles
Christensen Oscar N.
Hahn Howard H.
Lindl Joseph
LA CROSSE—Bennett Wells E.
Merman Otto A., 210 Lenker bldg.
Parkinson & Dockendorff
MADISON—Blach & Lippert, Gay bldg.
Claude & Starck
Conover Allan D.
Kronenberg F. L.
Law James R. & Edw. J., First Central bldg
Riley Frank M.
Schneider M. P., 141 W. Doty
Small Alvin E.
Tough Edward
MANITOWOC—Raeuber W. J.
MARSHFIELD—Krasin Gustave A. (& Builder)
MILWAUKEE—Architects Small House Service Bureau, 141 Wisconsin
Backes & Pfaller, 216 W. Water
Barkhausen Carl, 79 Wisconsin
Bauer Alex. H., 811 State
Brielmaier, B. A., 432 B'way
Brielmaier E. & Sons Co., 432 B'way
Bruecker John, 496 Cramer
Bruns Herman H., 845½ 26th
Brust & Phillip, 405 Broadway
Buemming & Guth, 521 Jackson
Clas Shepherd & Clas, 445 Milwaukee
Dick & Maurer, 811 State
Dohmen Anton, 68 Wisconsin
Eschweiler & Eschweiler, 210 Mason
Esser Herman J., 82 Wisconsin
Fernekes Max, 915 Chestnut
Glaser Jos., 556 32d
Graf Fred, 307 Grand
Gurda & Gurda, 448 Mitchell
Guth Alex. C., 521 Jackson
Haeuser H. C., 445 Milwaukee
Hengels Henry C., 445 Milwaukee
Hensel Henry C., 2804 Wells
Herbst & Kuenzli, 114 Grand av
Howend Frank, 69 Wisconsin
Judell & Bogner, 445 Milwaukee
Kadow Stanley F., 915 Chestnut
Keller Chas. & Son, 432 Broadway
Kemnitz, Geo., 1107 Island av
Kirchoff & Rose, 210 Sycamore
Klenyendorf Geo., 121 Wisconsin
Koch A. D., 120 Wisconsin
Kulas H. A., 570 Lincoln av
Leenhouts & Guthrie, 424 Jefferson
Leibert Eug. R., 432 B'way
Leipold Gustave H., 160 Martin
Leiser & Holst, 105 Wells
Lesser & Schutte, 68 Wisconsin
Lindl-Lesser & Schutte, 82 Wisconsin
Lotter Henry G., 427 Milwaukee
Marzillier Paul, 144 Oneida
Memmler Walter J., 228 3rd
Menge Jno., 296 W. Water
Messmer R. A. & Bro., 221 Grand
Neumann Walter F., 114 Grand av
Oberst Richard E., 307 Grand av
Oswald Sylvester Jr., 105 Wells
Peacock & Frank, 445 Milwaukee
Petelinz Albert J., 428 Grand av
Riesch & Hess, 302 W. Water
Ringer C. F. & Son, 432 B'way
Rische Chas. H., 2227 Grand av
Rosman & Wierdsma, 424 Jefferson
Rotier H. J., 141 Wisconsin
Runzler Arthur C., 144 Oneida
Schley Perce Geo., 424 E. Water
Scott & Mayer, 445 Milwaukee
Siewert & Fries, 805 36th
Topzant John, 144 Oneida
Tullgren Martin & Sons, 425 E. Water
Valentine Chas. W., 405 Broadway
Van Alyea Thos., 424 Jefferson
Van Ryn & De Gelleke, 114 Grand av
Voelz & Siebert, 373 Broadway
Weyland Ernest, Caswell block
Williamson R. B., 405 B'way
Wiskocil Aug. V., 936 2nd
Wolff Aug. G., 453 Mitchell
Zagel Geo. & Bros., 144 Oneida
NEENAH—Lindahl & Matheson
OSHKOSH—Auler & Jensen
Dreger J. F.
Klapproth Wm. C.
PLATTVILLE—Kleinhammer H.
PRAIRIE DU SAC—Dresen, Jos.
RACINE—Chandler J. G., 5th & Wisc.
Davis David R., 526 S Wisconsin
Funston Edmund B. Co., Robinson bldg
Fiegel A. L., 208 Baker blk
Matson J. M., 536 Baker blk
RIPON—Kunde J. A.
SHAWANO—Fritz C. C.
SHEBOYGAN—Jahn Rudolph R.
Weeks William C. (& Builder)
STURGEON BAY—Crandall F. D.
SUPERIOR—Bach J. O.
Johnson F. E.
Radcliffe E. S.
WAUKESHA—Anderson Charles C.
WAUSAU—Liebert Hans T.
Parsons Anthony
Swarthout & Speer
WEST ALLIS—Lesser Charles L.

WYOMING.

CASPER—Garbutt & Weidner
CHEYENNE—Baerresen & Wieger
Du Bois Wm.
LARAMIE—Hitchcock W. A.
Holliday Lewis J.
SHERIDAN—Goddard Simon
Hummel A. E.
Randall C. A.
Zander O. M.

225— Architects (Brewery)

Barthel Bernard, 127 N Dearborn, Chicago, Ill.
Boehme Chris. A., 2215 Lyndale, Minneapolis, Minn.
Engelhardt Theobald, 905 B'way, Brooklyn, N. Y.
Gatterdam Fred E., 138 N. La Salle, Chicago, Ill.
Hooper & Co., 118 Market, Newark, N. J.
Koelle Wm. F. & Co., 26th & Oxford, Phila., Pa.
Lehle Louis, 38 S Dearborn, Chicago, Ill.
Mueller Gustave A., Breitmeyer bldg., Detroit, Mich.
Schultz Julius, 1370 Main, Buffalo, N. Y.

226— Architects (Decorative)

Hiss Phillip, 18 E. 49th, New York
Lamb J. & R., 25 6th av, New York
Paris W. Francklyn, 53 W 39th, New York
Poole Thomas H. & Co., 13 W 30th, New York
Righter & Kolb, 420 Madison av, New York

227— Architects (Horticultural)

Hitchings & Co., Spring st, Elizabeth, N. J.
Lord & Burnham Co., 30 E 42d, New York
Sandiford Chas., 2692 Main, Buffalo, N. Y.

228— Architects (Landscape)

Adams Edw. P., 53 State, Boston, Mass.
Adams Louis S., Roger Williams blvd, Philadelphia, Pa.
Allen Percy Ira, Cutler bldg., Rochester, N. Y.
Arnold S. A., 230 Clarendon, Boston, Mass.
Arnold & Tripp, Guardian bldg, Cleveland, O.
Babcock Mabel K., 138 Bowden, Boston, Mass.
Baker Harry F., 4629 Lake Harriet blvd, Minneapolis, Minn.
Baumann L., 4247 Magnolia, St. Louis, Mo.
Beal Robt. W., 58 Summer, Boston, Mass.
Bell Bruce A., Easton, Pa.
Bemis Addison L., 72 Commercial, Worcester, Mass.
Bird Louis F., 156 5th av, New York
Berckmans P. J. Co., Augusta, Ga.
Blossom Harold Hill, 294 Washington, Boston, Mass.
Bonnell J. V., 1 B'way, New York
Bowditch Jas. H., 903 Tremont bldg, Boston, Mass.
Brant Louis, 1900 Euclid av, Cleveland, O.
Brinckerhoff Arthur F., 101 Park av, New York
Brinley & Holbrook, 156 5th av, New York
Bryan H. F., 1802 W 50th, Los Angeles, Cal.
Burley Jas. L., 363 Lexington, New York
Burnap George, 808 17th, N W, Washington, D. C.
Burr Henry E., Orange, N. J.
Caldwell Laurence S., 45 Bromfield, Boston, Mass.
Caparn Harold A., 18 E. 41st, New York
Carpenter A. N., Galesburg, Ill.
Cassebeer Walter H., 17920 Detroit, Rochester, N. Y.
Chapman J. L., 720 Robinson av, San Diego, Cal.
Child Stephen, 7 Water, Boston, Mass.
Clark Elizabeth B., 321 S. Isemgr., Philadelphia, Pa.
Coe E. F., 951 Forest, New Haven, Conn.
Coffin M. C., 830 Lexington, New York
Cole L. S., 14 E Jackson blvd, Chicago, Ill.
Colton Reuben, 31 Massachusetts av, Boston, Mass.
Colwell E. F., 6523 Euclid av, Cleveland, Ohio
Cook & Hall, 411 S. Main, Los Angeles, Cal.
Coppola D., Echester rd & Mace av, New York
Cornell Ralph B., 411 S. Main, Los Angeles, Cal.
Cotton & Co. Inc., Call bldg., San Francisco, Cal.
Cowell Arthur W., State College, Pa.
Cridland Robert B., Candler bldg, Atlanta, Ga.
Dean Ruth, 150 E. 61st, New York
De Forest Alling, Sibley bldg., Rochester, N. Y.
Desmond Theo. H., Simsbury Exchange, Hartford, Conn.
Di Roma Tony, 33 Evelyn pl. New York
Endres H. W., Syndicate Trust bldg, St. Louis, Mo.
Essig W. W. & Co., Griswold Hotel, Detroit, Mich.
Fairfield Landscape & Nurseries Co., 103 Park av, New York
Faragher B. P., 3607 W. 25th, Cleveland, O.
Fish Charles R. & Co., Nurseries, Hadwen rd, Worcester, Mass.
Forester's Landscape Ltd., 52 Vanderbilt av, New York
Fowler Clarence, 15 E. 40th, New York
French Chas. G., 50 Church, New York
Frishmuth Anna Biddle, 400 Boylston, Boston, Mass.
Frosch Berthold, 413 4th av, Pittsburgh, Pa.
Fuligraf C. W., St. Louis County Bank bldg, St. Louis, Mo.
Gass John, 600 Hastings, Pittsburgh, Pa.
Geiffert Alfred, Jr., 101 Park av, New York
Gott Francis H., 154 East av, Rochester, N. Y.
Greenleaf Jas. L., 1 B'way, New York
Hare & Hare, Huntzinger bldg, Kansas City, Mo.
Harrison Walter H., La Mott, Pa.
Hart W. L., Law bldg
Hartman J., 106 W 96th, New York
Hettinger Henry C., McHenry, Ill.
Hinchman & Pilat, 52 B'way, New York
Honess Frank C., 24 S Sprague av, Pittsburgh, Pa.
Howard Francis, 7 W 47th, New York
Howard, Paul J., 1521 W 7th, Los Angeles, Cal.
Howard W. B., Jr., 15 Broad, New York
Hunt W. W. & Co., Hills av, Hartford, Conn.
Jay Mary R., 101 Park av, New York
Johnson I. M. Co., 3245 22d av S., Minneapolis, Minn.
Kellaway Herbert J., 12 West, Boston, Mass.
Kelsey F. W. Nursery Co., 150 B'way, New York
Kelsey Harlan P., Salem, Mass.
Keyser Clarence A., 41 S 15th, Phila., Pa.
Knight Emerson, 704 Market, San Francisco, Cal.
Krautheim Edward, 5335 Westminster av, Philadelphia, Pa.
Lay Chas. Downing, 101 Park av, New York
Leavitt Chas. W., 18 E. 41st, New York
Leonard Elizabeth, Abbott bldg, Cambridge, Mass.
Le Sure-Fuller Co., Peoria Life bldg, Peoria, Ill.
Lewis & Valentine Co., 47 W 34th, New York
Lippert F. G., 47 W. 34th, New York
Lloyd Percival M., Poughkeepsie, N. Y.
Lowrie C. N., 101 Park av, New York
McClure Geo. W. & Son, 590 Richmond, Buffalo, N. Y.
McDougall G. M. Co., 45 Monument pl, Indianapolis, Ind.
McGregor James, Pelham Bay Park, New York
MacRorie-McLaren Co., Phelan bldg, San Francisco, Cal.
Magne Wm. H., West Newton, Mass.
Mahoney James, 551 Boylston, Boston, Mass.
Mallett Geo. A. Co., 1005 Broad, Bridgeport, Conn.
Martin H. H. Co., 15 E 40th, New York
Meehan Thos. & Sons, 380 Dorser, Philadelphia, Pa.
Meier Theo. G., Monadnock bldg, San Francisco, Cal.
Meinersman H. T. Co., 3166 Lincoln av, Chicago, Ill.
Miller Geo. H., 6 Beacon, Boston, Mass.
Morell & Nichols, 1200 2nd av S., Minneapolis, Minn.
Morse Leonard, 524 Chestnut, Phila., Pa.
Mueller P. L., 4845 Bryant, S. Minneapolis, Minn.
Muller Sealy Co., 145 W 45th, New York
Munger Walter R. Co., Lincoln Court Inn bldg, Cincinnati, O.
Munson-Whitaker Co., 52 Vanderbilt av, New York
Muskopf & Irish Co., Boatmen's Bank Tr. bldg, St. Louis, Mo.
Negus S. P., 284 Dart, Boston, Mass.
Nelson H. C., First Central bldg, Madison, Wis.
Nichols Arthur R., 1200 2nd av S., Minneapolis, Minn.
Nutter F. H., Palace bldg., Minneapolis, Minn.
Olmstead Bros., Brookline, Mass.
Pain & Young, Tampa, Fla.
Parke David, 300 Elysian av, Pittsburgh, Pa.
Parsons Samuel, 15 E. 40th, New York
Paul & Ford, Otis bldg, Philadelphia, Pa.
Payne Theodore, 411 S Main, Los Angeles, Cal.
Pentecost Geo. F., Jr., 15 E. 40th, New York
Perl Bros., N. Y. Life bldg, Minneapolis, Minn.
Pierson A. S., Morrison, N. J.
Pilat Carl F., 15 Park Row, New York
Pitkin Wm., Jr., Guardian bldg, Cleveland, O.
Platt Chas. A., 101 Park av, New York
Pond Bremer W., 18 Tremont, Boston, Mass.
Pope Henrietta, Mrs. N., 372 Boylston, Boston, Mass.

Punchard W. H., 16 Arlington, Boston, Mass.
Purcell & Elmslie, 310 Auditorium bldg, Minneapolis, Minn.
Robinson Frank J., 7 Water, Boston, Mass.
Rogers Geo. C. D., Morristown, N. J.
Roman Landscape Contng Co., Inc., 15 E 40th, New York
Ross H. Wilson, Newton Centre, Mass.
Rosary Flower Co., Inc., 423 Park av, New York
Ruedlinger C. N., 2929 Colfax av, Minneapolis, Minn.
Sanger W. Prentice, 21 W 40th, New York
Schermerhorn Richard, Jr., 363 Lexington av, New York
Searles E. M., 3327 Market, San Diego, Cal.
Shaw J. D., 510 S Spring, Los Angeles, Cal.
Shurtleff Arthur A., 11 Beacon, Boston, Mass.
Smillie Edw. S., 394 Central, Newton, Mass.
Smith A. W. Co., Keenan bldg, Pittsburgh, Pa.
Smith S. C., 107 Westminster, Providence, R. I.
Spinner F. E. & Co., 342 Madison, New York
Stiles Wayne E., 95 Oliver, Boston, Mass.
Stinchcomb & Boddy, Engineers bldg, Cleveland, Ohio
Strang Elizabeth L., Wachusetts
Strittmatter A., 2118 Field av, Detroit, Mich.
Supplee Co., 5900 Washington, Phila., Pa.
Taylor A. D., Prospect and E. 46th, Cleveland, O.
Temblett Wm. H., 11117 Willowmere av, Cleveland, O.
Thiene P. G., 112 W 9th, Los Angeles, Cal.
Thomas Jeffrey P., 615 6th, Watervliet, N. Y.
Titus John E., Newton Upper Falls, Mass.
Tooker E. Post, 101 Park av, New York
Tripp A. F., 227 Benefit, Providence, R. I.
Tucker William, 35 Nassau, New York
Tuschinsky Alex., Indiana Pythian bldg, Indianapolis, Ind.
Underwood Loring, 45 Bromfield, Boston, Mass
Vermeulen A., Pacific Elec. bldg, Los Angeles, Cal.
Vinal Ralph S., 46 Cornhill, Boston, Mass.
Vitale, Brinckerhoff & Geiffert, 527 5th av, New York
Vitale & Rothery, 101 Park av, New York
Wadley & Smythe, 491 5th av, New York
Wheelwright Robert, 56 W. 45th, New York
White Elm Nursery Co., 738½ Cramer, Milwaukee, Wis.
White Margaret, 11 Highland, Cambridge, Mass.
Woolner W. C., 755 Boyleston, Boston, Mass.
Wright F. L. Jr., 112 W 9th, Los Angeles, Cal.
Wyman P., Essex bldg, Minneapolis, Minn.
Yates Thaddeus N. & Co., 7356 Grant av, Philadelphia, Pa.
Yoch F. T. (Miss), 210 W 7th, Los Angeles, Cal.
Ziccardi & Weiler, 9706 Madison av, Cleveland, O.

229— Architects (Naval)

Ballin F. A., Concord bldg, Portland, Ore.
Barney Morgan, 187 Greenwich av, New York
Bennett Edwin C., 15 Broad, New York
Binney Arthur, 12 Pearl, Boston, Mass.
Bowes Thos. B., 822 Lafayette bldg, Philadelphia, Pa
Burgess W. Starling Co. (Ltd), Marblehead, Mass.
Carbon Products Co. (Carbon), Lancaster, Ohio
Cookson Walter & Callahan, San Pedro, Cal.
Coolidge L. H., Seattle, Wash.
Cornell & Matthews, Bulletin bldg, Phila., Pa.
Cox & Stevens, 25 Broadway, New York
Curtis W. H., Louis bldg, Portland, Ore.
Dickie D. W. & R. Z., 113 Market, San Francisco, Cal.
Donnelley Wm. T., 17 Battery pl, New York
Ferris Theo. E., 30 Church, New York
Furstenau Martin C., 308 Walnut, Phila., Pa.
Gardner William & Co., 1 B'way, New York
Gaskin Edw., 41 Penhurst pk, Buffalo, N. Y.
Geary L. E., Pier 1, Seattle, Wash.
Germain Louis, Saginaw, Wash.
Gielow Henry Inc., 25 W. 43rd, New York
Hall Bros. Marine R ailway & Shipbuilding Co., 312 California, San Francisco, Cal.
Hand W. H. Jr., New Bedford, Mass.
Hedstrom & Ryan, 215 Market, San Francisco, Cal.
Hull Ernest H., 10 E 47th, New York
Isherwood J. W., 17 Battery pl, New York
Jones Frank Bowne, 29 B'way, New York
Jones Yacht Agency, 29 B'way, New York
Kidd Joseph & Son, Palladio bldg, Duluth, Minn
Kindlund & Drake, 17 Battery pl, New York
Lee & Brinton, Seattle, Wash.
Lord F. K., 120 B'way, New York
Los Angeles Shipbuilding & Drydock Corp., Los Angeles Harbor, San Pedro, Cal.
McClelland N. E. & Co., Ltd., 1 Stone, New York
Millard J. W. & Bro., 17 State, New York
Mower Chas. D., 347 Madison av, New York
Nock F. S., East Greenwich, R. I.
Reid John & Co., 30 Church, New York
Rimmer A. C., 452 Lexington, New York
Robertson James & R. J., 24 California, San Francisco, Cal.
Smith Bros., Rockefeller bldg, Cleveland, O.
Swanson Peter, Belvedere, Cal.
Tams, Lemoine & Crane, 52 Pine, New York
Thayer Horace H., Jr., 119 S. 4th, Philadelphia, Pa.
Versoy Irving R., 1285 Boulevard, New Haven, Conn.
Wells Theo. D., 11 B'way, New York
Whittelsey & Whittelsey, 17 Battery pl, New York
Young Benj. P., 2 Stone, New York

230—Architects (Paper & Pulp Mill)

See also Engineers, Mill

Anderson & Jones, Carthage, N. Y.
Ballinger Co., S. E. Cor 12th & Chestnut, Phila., Pa.
Bigelow W. C., Biddeford, Me.
Carey James L., 208 N. Laramie av, Chicago, Ill.
Chapman C. A., Inc., 11 S. Clinton, Chicago, Ill.
Hardy Geo. F., 309 B'way, New York
Kimball Herbert S., 177 State, Boston, Mass.
O'Keefe-Orbison Engineering & Construction Co., Appleton, Wis.
Wallace Jos. H. & Co., 5 Beekman, New York

231— Architects (Theatre)

Ballinger Co., S. E. Cor 12th & Chestnut, Phila., Pa.
Blackall, Clapp & Whittemore, 20 Beacon, Boston, Mass.
Gatlin W. R., Hopkinsville, Ky.
Koehler V. Hugo, 70 E. 45th, New York
Lamb Thos. W., 644 8th av, New York
Lempert Leon H. & Son, Cutler bldg, Rochester, N. Y.
Lovell Sidney, 30 N Michigan, Chicago, Ill.
Packard F. S., 16 E Broad, Columbus, Ohio

232—Architects' & Engineers' Instruments & Supplies

See also Engineering & Surveying Instruments; also Drawing Materials

Abbott A. H. & Co., 208 S Wabash av, Chicago, Ill.
Acme Blue Print Paper Co., Adams Express bldg, Chicago, Ill.
Adams & White Co., 104 Pearl, Buffalo, N. Y.
Allen Ivan Marshall Co. (Jobbers), 44 Marietta, Atlanta, Ga.
Aloe A. S. Co., 513 Olive, St. Louis, Mo.
Alteneder Theo. & Sons, 1217 Spring Garden, Phila., Pa.
AMERICAN BLUE PRINT PAPER CO., 445 Plymouth ct, Chicago, Ill.
American Drafting Furniture Co. ("American"), 129 Mill, Rochester, N. Y.
Amsler Blue Print Co., 30 Church, New York
Berger C. L. & Sons, 35 Williams, Boston, Mass.
Brown Blodgett & Sperry Co., University & Wheeler, St. Paul, Minn.
Buff & Buff Mfg. Co., 93 Green, Jamaica Plain, Boston, Mass.
Cardwell Blue Print & Supply Co., Denver, Col.
Clarke & Courts, Galveston, Tex.
Crocker H. S. Co., 565 Market, San Francisco, Cal.
Crofoot Neilson & Co., 172 W Washington, Chicago, Ill.
Defiance Mfg. Co., 3846 B'way, New York
Designers' Instrument Co., 3819 W. Ashland av, Chicago, Ill.
Dietrich-Post Co. (Dlrs.), 75 New Montgomery, San Francisco, Cal.
Dietzgen Eugene Co., 166 W Monroe, Chicago, Ill.
Electro Sun Co., Inc., 161 Washington, New York
Elliott B. K. Co., 126 6th, Pittsburgh, Pa.
Favor Ruhl & Co., 43 W 23rd, New York
Fink Instrument Co., 304 Pine, St. Louis, Mo.
Frost & Adams Co., 25 Arch, Boston, Mass.
Geier & Bluhm, Troy, N. Y.
Graham J. W. & Co., 707 Sprague, Spokane, Wash.
Gurley W. & L. E., Troy, N. Y.
Hemp C. E., Hamilton, O.
Jambor Mfg. Co., 911 Center, Milwaukee, Wis
JOHNSTON J. W. (Snow White Ink), Neu Artz bldg, Rochester, N. Y.
Keuffel & Esser Co., Hoboken, N. J.
Keystone Blue Paper Co., 910 Filbert st, Phila., Pa.
Kolesch & Co., 138 Fulton, New York
Kuner Max Co. (Dlrs.), 804 1st av, Seattle, Wash.
Makepeace B. L., 387 Washington, Boston, Mass.
Multi Color Copying Co., 629 Woodward av, Detroit, Mich.
New York Blue Print Paper Co., 96-102 Reade, New York
Newton Automatic Lettering Pen Co., Pontiac, Mich.
Noera Mfg. Co. (Engineers' Sets), Waterbury, Conn.
Pease C. F. Co., 820 N Franklin, Chicago, Ill. *See adv index at end of book*
Peerless Blue Print Co., 341 5th av, New York
Pennsylvania Instrument Co., 616-618 Chestnut, Phila., Pa.
Pfister Wm. H., 230 W 4th, Cincinnati, O.
Post Frederick Co., 319 S Wabash av, Chicago, Ill.
Prince L. M. Co., 103 W 4th, Cincinnati, O.
Queen-Gray Co., 64H W Johnson, Phila., Pa.
Ruehle E. G. & Co., 119 Fulton, New York
Sartorius A. & Co., 32 Union sq, New York
Seelig R. & Son, 231 N 5th av, Chicago, Ill.
Spaulding Moss Co., 42 Franklin, Boston, Mass.
Stevenson & Foster Co. (Dlrs.), 947 Liberty av, Pittsburgh, Pa.
Taws Henry M., 920 Arch, Phila., Pa.
U. S. Blue Print Paper Co., 201 S. Wabash av, Chicago, Ill.
Ulmer J. C. Co., 1791 E 38th, Cleveland, Ohio
Vincent Geo. (Mfr. "Victory" Vellum Tracing Paper), 649 W. 43rd, New York
Wagner Bros. & Co. (Imp), 100 5th av, New York
Warren-Knight Co., 136H N 12th, Phila., Pa.
Weber F. Co., 1220 Buttonwood, Phila., Pa.
Weil J. H. & Co., 5212 Webster, Phila., Pa.
Western Blue Prints Co., Gumbel bldg., Kansas City, Mo.
White David Co. Inc., 901 Chestnut, Milwaukee Wis.
Williams Brown & Earle, 918 Chestnut, Phila., Pa.
WINTER, MARTIN ("Conspicuously Excellent" Drawing, Tracing, Sketching, Detail, Blueprint, Pattern Papers & Cloth), 216 W 18th, New York
Wissler Instrument Co., 613 N. B'way, St. Louis, Mo.
Young & Sons, 43 N 7th, Phila., Pa.

Architectural Brass Work

See Grilles, Brass & Bronze

233— Architectural Faience

Cambridge Tile Mfg. Co., Covington, Ky.
GARFIELD FIRE CLAY CO., 43 Cedar, New York
Grueby Faience & Tile Co., Perth Amboy, N. J.
Hartford Faience Co., Hartford, Conn.
Manton & Smith Co., 3333 W Grand av, Chicago, Ill.
Owens J. B. Floor & Wall Tile Co., Zanesville, O.
Plastone Co. ("Plastone"), 461 E 3d, Los Angeles, Cal.

Architectural Iron

See Iron, Architectural & Ornamental

Architectural Sculptors

See Modelers & Sculptors, Architectural; Carvers, Stone; Carvers, Wood, Classic

234—Architectural Water Colorists & Pen & Ink Artists

Buck Lawrence, 64 E Van Buren, Chicago, Ill.
Campbell Walter M., 88 Tremont, Boston, Mass.
Hawley Hughson, 1 Union sq W, New York
Hewlett William A, 1265 Bway, New York

235— Arecolire

Hoffman La Roche Chemical Works, 19 Cliff, New York

236— Argols

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Herrick & Voight, 99 John, New York
Innis, Speiden & Co., Inc., 46 Cliff, New York
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

Armature Lifts

See Lifts, Motor, Car Pit

237—Armature Re-Winding & Commutator Re-Filling

Advance Electric & Mfg. Co., 1302 W. 9th, Kansas City, Mo.
Bissell F. Co., Toledo, O.
Cameron Electrical Mfg. Co., 211 Main, Ansonia, Conn.
See adv index at end of book
Capital Elec. Co., Springfield, Ill.
Chattanooga Armature Works, 1213 Duncan av, Chattanooga, Tenn.
Cleveland Armature Works, Inc., 4736 St. Clair av, Cleveland, O.
Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.
Commutator Co., 121 N 1st, Minneapolis, Minn.
Doubleday-Hill Electric Co., 719 Liberty ave, Pittsburgh, Pa.

(Continued on following page)

Armature Re-winding & Commutator Re-filling—Continued

Downing-Smith Co., 430 S Green, Chicago, Ill.
Electric Supply Co., Charleston, S. C.
Electro-Dynamic Co., Bayonne, N. J.
Electromechanical Co., 432 N. Calvert, Baltimore, Md.
Findlay Elec. Co., 215 S 5th, Minneapolis, Minn.
Godsey & Fry, Richmond, Va.
Gregory Elec. Co., 1601 S Lincoln, Chicago, Ill.
Guyan Machine Shops, Logan, W. Va.
Homer Commutator Co., 4748 Hough av N E, Cleveland, O.
Houston Armature Works, Houston, Texas
Jordan Bros., 74 Beekman, New York
Kester Electric Co., Terre Haute, Ind.
King Coil & Mfg. Co., Scofield bldg, Cleveland, O.
Leacock A. M., 85 Columbia, Newark, N. J.
Littlefield H. A. & Co., West Lynn, Mass.
Major M. E., Elec. Co., Wilkes-Barre, Pa.
Pearson John W. Co., 839 W Lake, Chicago, Ill.
Pittsburgh Electrical & Machine Works, Barker pl, Pittsburgh, Pa.
Ridion Frank Co., 251 A, Boston, Mass.
Scranton Elect. Const. Co., Connell bldg, Scranton, Pa.
Utica Armature Works, Utica, N. Y.
Wente Electric Co., Hamilton, O.
Westinghouse Elec. & Mfg. Co., East Pittsburgh, Pa. *See adv index at end of book*

238— Armatures

See also Coils, Armature & Field

Arrow Mfg. Co., 618 Broadway, Toledo, O.
Bissell F. Co., Toledo, O.
CAMERON ELECTRICAL MFG. CO., 211 Main, Ansonia, Conn.
See adv index at end of book
Capital Elec. Co. Springfield, Ill.
Cleveland Armature Works, Inc., 4736 St. Clair av, Cleveland, O.
Columbus Electrical Works Co., 247 N Front, Columbus, O.
Commutator Co., 121 N 1st, Minneapolis, Minn.
Cooke-Wilson Electric Supply Co., Imperial Power Co., Pittsburgh, Pa.
Downing-Smith Co., 430 S Green, Chicago, Ill.
Findlay Elec. Co., 215 S 5th, Minneapolis, Minn.
GENERAL ELECTRIC CO. (Electric), Schenectady, N. Y.
See adv index at end of book
Littlefield H. A. & Co., West Lynn, Mass.
Major M. E. Elec. Co., Wilkes-Barre, Pa.
Pearson John W. Co., 839 W Lake, Chicago, Ill.
Wente Electric Co., Hamilton, O.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

238a— Arms (Tone)

General Phonograph Corp., 15 W. 18th, New York
Rome Mfg. Co. Inc., Dept R, Rome, N. Y.
Thomas Mfg. Co., Dayton, O.

239— Arresters (Lightning)

Adams Morgan Co., Upper Montclair, N. J.
Am. Radio & Research Corp., 203 College, Medford Hillside, Mass.
American Elec. Co., 6401 S State, Chicago, Ill.
Apex Electrical Specialty Co., 79 Orange, Newark, N. J.
Auth Electrical Specialty Co., 422 E. 53rd, New York
Bowie Switch Co., 14 Montgomery, San Francisco, Cal.
Brach L. S. Supply Co., 129 Sussex av, Newark, N. J.
Bunnel J. H. & Co., 32 Park pl, New York
Central Tel. & Electric Co. (For Telephone), 310 N 11th, St. Louis, Mo.
Chance Mfg. Co. ("Sky-Rocket," for Telephone & Telegraph), Centralia, Mo.
Chicago Railway Signal & Supply Co., 122H S. Michigan av, Chicago, Ill.
Cook Electric Co., 2700 Southport, Chicago, Ill.
Cox Lightning Arrester, Eaton, O.
D. & W. Fuse Co. Hathaway, Providence, R. I.
Delta-Star Electric Co. (High Tension Type Pole Mounting), 2437 Fulton, Chicago, Ill.
Electric Service Supplies Co. ("Garton-Daniels," for Light & Power), 17th & Cambria, Phila., Pa.
Foote, Pierson & Co. ("Argus," for Telephone & Telegraph), 160 Duane, New York
GENERAL ELECTRIC CO. (For Light & Power), Schenectady, N. Y.
See adv index at end of book
General Railway Signal Co., Rochester, N. Y.
Harvard Electric Co. (For Telephone & Telegraph), 525 W Van Buren, Chicago, Ill.
Holtzer-Cabot Electric Co. (For Telephone & Telegraph), 125 Amory, Boston, Mass.
Horne Mfg. Co. ("Horne"), 243 Mercer, Jersey City, N. J.
Hubbard & Co. ("Universal"), 63d & Butler, Pittsburgh, Pa.
Kellogg Switchboard & Supply Co. (For Telephone & Telegraph), 1066 W. Adams, Chicago, Ill.
Lafayette Electric & Mfg. Co. ("Ledic" for Telephone & Telegraph), Lafayette, Ind.
Leich Elec. Co., Genoa, Ill.
Lime Material Co., South Milwaukee, Wis.
Lord Mfg. Co. ("Shaw" Non-Arcing, "Multi-Vapo-Gap," for Light, Power, Telephone & Telegraph), 105 W 40th, New York
McIntire Chas. Co., 95 Oliver, Newark, N. J.
Magnus Electric Co. Inc. ("Magnus"), 451 Greenwich, New York
Manhattan Electrical Supply Co. (For Light, Power, Telephone & Telegraph), 17 Park pl, New York
Menominee Elec. Mfg. Co. (For Telephone & Telegraph), Menominee, Mich.
Minnesota Electric Co. ("Chapman," for Light, Power & Telephone), 309 2nd av S, Minneapolis, Minn.
National Electric Specialty Co. ("Vac-M," for Telephone & Telegraph), Toledo, O.
National Radio Co., Marshall, Minn.
Pacent Elec. Co., 150 Nassau, New York
Phila. Electric Constr. Co. (For Telephones), Heed bldg, Phila., Pa.
Radio Corp. of Am., 233 B'way, New York
Railroad Supply Co. (For Railway Signals), 203 S Dearborn, Chicago, Ill.
Railway & Industrial Engineering Co., Dept. H, Greensburg, Pa.
Reliable Elec. Co. ("Reliable" Dielectric Carbon Cross Arm Types), 3145 Carroll, Chicago, Ill.
Remler Radio Mfg. Co., 163 Sutter, San Francisco, Cal.
Royal Elec. Co., Sidney, O.
Shaw Insulator Co., 146 Coit Irn, Newark, N. J.
Shinn W. C. Mfg. Co., 154 Whiting, Chicago, Ill.
Schweitzer & Conrad, Inc., 4431 Ravenswood av, Chicago, Ill.
Ship Owners Radio Service (Dirs), 80 Washington, New York
St. Louis Lightning Rod Co. (& Conductor), De Kalb & Trudeau sts, St. Louis, Mo.
United Electric Supply Co., Marion, O.
Waterbury Button Co., 831 S. Main, Waterbury, Conn.
See adv. Index at end of book
Western Electric Co., 463 West, New York
Westinghouse Elec. & Mfg. Co. (For Light & Power), East Pittsburgh, Pa.
See adv index at end of book
Wireless Improvement Co., 66 York, Jersey City, N. J.

239a— Arresters (Spark)

Littleford Bros., 444 E Pearl, Cincinnati, Ohio
See adv index at end of book

240—Arresters (Spark, Electric)

Brady Electric Mfg. Co. (Electric Lamp), New Britain, Conn.
Phila. Electrical & Mfg. Co., 1236 N. 31st, Phila., Pa.
Silverton Blow Pipe Co. ("Cox"), 109H West Main, Silverton, Oregon.
Western Electric Co., 463 West, New York
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

241-2-3—Arresters (Spark Locomotive, Traction, Engine, etc.)

Adams Spark Arrester Co., 116 E. 11th N., Portland, Ore.
Barbee Wire & Iron Works, 111 Washington, Chicago, Ill.
Hendrick Mfg. Co., Carbondale, Pa.
Laufe J. M. & Son ("Swem"), Bellingham, Wash.
Littleford Bros., 444 E Pearl, Cincinnati, Ohio *See adv index at end of book*
Loggers Oil Equipment Co. ("Glafke"), 52 1st, Portland, Ore.
Port Huron Engine & Thresher Co., Port Huron, Mich.
Silverton Blow Pipe Co., Silverton, Ore.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
South Bend Spark Arrester Co., South Bend, Ind.
Tyler W. S. Co., Cleveland, O.
See adv index at end of book
Wickwire Spencer Steel Corp. ("Excelsior" Wire Cloth), 41 E. 42nd, New York *See adv index at end of book*

244—*Arrows for Games, Toys & Novelties

Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book

Arsenate of Lead

See Lead Arsenate

Arsenate of Soda

See Sodium Arsenate

Arsenate of Zinc

See Zinc Arsenate

245— Arsenic

American Metal Co., 61 B'way, New York
American Smelting & Refining Co. (Dirs. White), 120 B'way, New York
Anaconda Copper Mining Co., 25 B'way, New York
Atkins, Kroll & Co. (Dirs), 311 California, San Francisco, Cal.
Chrystal Chas. B. Co. Inc., 13 Cliff, New York. *See adv. Index at end of book*
Cooper Chas. & Co. (Dirs, Red), 194 Worth, New York
Doggett Stanley (Imp), 11 Cliff, New York
Drakenfeld B. F. & Co. Inc., 50 Murray, New York
Ducas B. P. Co. (Imp. Red), 25 S William, New York
Fuerst Bros. & Co. (Dirs), 2 Stone, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg. Cleveland, Ohio
See adv index at end of book
Hummel & Robinson (Dirs., Red), 90 West, New York
Hunnell & Co. Inc., 136 Liberty, New York
Innis, Speiden & Co., Inc. (White & Red), 46 Cliff, New York
International Minerals & Metals Co. (Dirs), 61H B'way, New York
Klipstein A. & Co. (Imp Saxony & Silesia Red), 644 Greenwich, New York
McKesson & Robbins (Imp), 91 Fulton, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Niasco Chemical Co., New Market, N. J.
Philipp Bros. Inc., 233 B'way, New York
Riddle Chemical Co. Inc., 35 S Dearborn, Chicago
See adv index at end of book
Roessler & Hasslacher Chemical Co. (Red & White), 709 6th av, New York
See adv index at end of book
Sergeant E. M. Co., 131 Cedar, New York
Tennant C. Sons & Co. of N. Y. (Imp), 19 W. 44th, New York
U. S. Smelting, Refining & Mining Co. ("U. S. S. Co.," White), 120 Broadway, New York
Vitro Mfg. Co. (Dirs), H Bessemer bldg, Pittsburgh, Pa.
Wiarda John C. & Co. (Red & Metallic), 83 Provost, Brooklyn, N. Y.
See adv index at end of book

245a— Arsenic (Bromide)

Dow Chemical Co., Midland, Mich.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

245b— Arsenic (Sulphide)

Cooper Chas. & Co., 194 Worth, New York
Roessler & Hasslacher Chemical Co., 709 6th, New York
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

Arsenic (Red)

See Arsenic

246— Arsenic (White)

American Smelting & Refining Co., 120 B'way, New York
Chipman Chemical Engng. Co. Inc., 136 Liberty, New York
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Philipp Bros. Inc., 233 B'way, New York
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Riddle Chemical Co. Inc., 35 S Dearborn, Chicago
See adv index at end of book
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book
U. S. Smelting, Refining & Mining Co., Midvale, Utah
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

Art Metal Work

See Grilles, Brass & Bronze; also Grilles, Wrought Iron

246a—*Artists' Materials & Colors

WEBER F. CO., 1220 Buttonwood, Phila., Pa.

246b— Asbestine

International Pulp Co., 41 Park Row, New York
Mikesell Bros. Co., Wabash, Ind.
See adv index at end of book
Special Service Flooring Corp., 2009 Grand Central Terminal, New York
WILLIAMS C. K. & CO., Easton, Pa.
See adv index at end of book

246c— *Asbestine Pulp



International Pulp Co. ("Asbestine"), 41 Park Row, New York

247—Asbestos Building Lumber

AMERICAN INSULATION CO. ("Amin-co"), Nicetown, Phila., Pa.
See adv index at end of book
Asbestos Shingle Slate & Sheathing Co., Ambler, Pa.
Asbestos Wood Co., Nashua, N. H.
Darcoid Company, 1780 B'way, New York
See adv index at end of book
Hoff Magnesite Co. ("Hoffite Flooring" "Hoffite Plastic"), 333 Monadnock bldg, San Francisco, Cal.
Johns Manville Inc. ("Johns Manville"), Madison av & 41st, New York
Mikesell Bros. Co., Wabash, Ind.
See adv index at end of book
Standard Asbestos Co., 69 Beekman, New York

Asbestos Cloth

See Asbestos Material

Asbestos Cooking Utensils

See Asbestos Household Articles; also Asbestos Material

248—Asbestos Corrugated Sheathing

AMERICAN INSULATION CO., Nicetown, Philadelphia, Pa.
See adv index at end of book
Asbestos Shingle, Slate & Sheathing Co. (With Woven Wire), Ambler, Pa.

Asbestos Coverings

See Pipe & Boiler Coverings, Asbestos

249— Asbestos Felting Mfrs.

Franklin Mfg. Co., Franklin, Pa.
Johns-Manville Inc., Madison av & 41st, New York
Keasbey & Mattison Co., Ambler, Pa.
Paraffin Co.'s Inc., 475 Brannan, San Francisco, Cal.
Watson H. F. Co., Erie. Pa,

250— Asbestos Fibre

American Asbestos Co. (Carded), Norristown, Pa.
American Insulation Co., Nicetown, Phila., Pa. *See adv index at end of book*
Asbestos Crude & Fibre Corp. (Crude Dirs), 342 Madison av, New York
Asbestos Materials Co., Millington, N. J.
Asbestos Textile Co. (Compressed), 18 E. 41st, New York
Asbestos & Mineral Corp., 1819 Broadway, New York
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
General Asbestos & Rubber Co., Charleston, S. C.
Hoff Magnesite Co., 333 Monadnock bldg., San Francisco, Cal.
Janos Asbestos Co., 26 Cortland, New York
Johns-Manville Inc. ("Johns-Manville"), **Madison av & 41st, New York**
Keasbey & Mattison Co. ("Kaynum"), Ambler, Pa.
MIKESELL BROS. CO. (Carded & Crude), Wabash, Ind.
See adv index at end of book
Schaaf-Regelman, J., 220 B'way, New York
Special Service Flooring Corp., 2009 Grand Central Terminal, New York
Standard Asbestos Co., 69 Beekman, New York
U. S. Asbestos Co., 45H N. Duke, Lancaster, Pa.
Watson H. F. Co., Erie, Pa.

251-2—Asbestos Gloves & Mitts

American Asbestos Co., Norristown, Pa.
American La France Fire Engine Co. (Jobbers), Elmira, N. Y.
Asbestos Fibre Spinning Co., North Wales, Pa.
Asbestos Materials Co., Millington, N. J.
Asbestos Textile Co., 18 E. 41st, New York
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Carey Philip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, O.
Darcoid Company, 1780 B'way, New York
See adv index at end of book
Farnam F. D. & Co. ("Weldox" for Welders), 359 N. Wells, Chicago, Ill.
Holcomb Safety Garment Co. (Clothing, Leggings, Gloves & Helmets), 14 S Jefferson, Chicago, Ill.
See adv. Index at end of book
Industrial Gloves Corp., 1213 Fullerton av, Chicago, Ill.
Janos Asbestos Co., 26 Cortlandt, New York
Johns-Manville Inc., Madison av & 41st, New York
Keasbey & Mattison Co., Ambler, Pa.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
MIKESELL BROS. CO., Wabash, Ind.
See adv index at end of book
Plant Rubber & Asbestos Works, 537H Brannan, San Francisco, Cal.
Safety First Supply Co., 107 3d av, Pittsburgh, Pa.
Standard Asbestos Co., 69 Beekman, New York
Wheeler F. H. Mfg. Co., 215 W Huron, Chicago, Ill.

Eternit ASBESTOS SHINGLES

ASBESTOS SHINGLES

Made of Portland Cement and Asbestos Fibre; Fireproof and Wearproof; Economical because of their durability, eliminating entirely expense of maintenance and replacement; Furnished in different styles and attractive colors; Adaptable to all types of construction; Used extensively for Industrial housing projects; factories, etc.

ASBESTOS LUMBER

Made of the same materials as Asbestos Shingles; Furnished in large sheets and various thicknesses; Adaptable to all kinds of interior and exterior construction work; Fireproof and Sanitary; Used in electrical work, construction of garages, houses, moving picture booths, etc.

ASBESTOS CORRUGATED SHEATHING

Made of the same materials as Asbestos Shingles and Lumber; Displaces Corrugated Iron because it does not rust or rot; Will withstand acid fumes; And is absolutely fireproof; Particularly adapted to roofing and siding of factory buildings, power plants, warehouses, elevator shafts, etc.

American Insulation Co.
MANUFACTURERS DISTRIBUTORS CONTRACTORS

Roberts Avenue and Stokley Street
Philadelphia, Pa.

253—Asbestos Listing or Tape

Allbestos Corp. ("Allbestos"), Belfield av & Fishers lane, Phila., Pa.
American Asbestos Co., Norristown, Pa.
American Insulation Co., Nicetown, Phila., Pa. *See adv index at end of book*
Argus Asbestos Co, Inc., Port Chester, N. Y.
Asbestos Fibre Spinning Co. (Tape), North **Wales, Pa.**
Asbestos Materials Corp., Millington, N. J.
Asbestos Textile Co., 18 E. 42nd, New York
Belmont Packing & Rubber Co., 133 N 2nd, Phila., Pa.
Carey Philip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, O.
General Asbestos & Rubber Co. ("Garco"), Charleston, S. C.
Janos Asbestos Co., 26 Cortlandt, New York
Johns-Manville Inc., Madison av & 41st, **New York**
Keasbey & Mattison Co., Ambler, Pa.
Mikesell Bros. Co., Wabash, Ind.
See adv index at end of book
Mitchell-Rand Mfg. Co., 26 Vesey, New York
National Asbestos Mfg. Co., 193 Henderson, Jersey City, N. J.
Standard Asbestos Co., 69 Beekman, New York
Watson, H. F. Co., Erie, Pa.

254— Asbestos Material

See also Asbestos Paper & Mill Board Mfrs
ACME ASBESTOS COVERING & FLOORING CO., 234 N. Elizabeth, Chicago, Ill.
See adv index at end of book
Albion Mfg. Co., Provident bldg, Tacoma, Wash.
Allbestos Corp. ("Allbestos"), Belfield av & Fishers lane, Phila., Pa.
American Asbestos Co. (Cloth, Yarns, Cords, Tapes, etc), Norristown, Pa.
American Asbestos & Mfg. Co., 58 Sutter, San Francisco. Cal.
AMERICAN INSULATION CO., Nicetown, Phila., Pa. *See adv index at end of book*
Argus Asbestos Co, Inc. (Cord, Cloth & Twine), Port Chester, N. Y.
Asbestos Co. of Cal., 475 Stevenson, San **Francisco, Cal.**
Asbestos Fibre Spinning Co., North Wales, Pa.
Asbestos Materials Corp., Millington, N. J.
Asbestos Shingle Slate & Sheathing Co., Ambler, Pa.
Asbestos Textile Co. (Cloth Cord Rope, Wick & Yarn), 18 E. 41st, New York
Atlantic Asbestos Co., 12th & Arch, Philadelphia, Pa.
Belmont Packing Rubber Co., 133 N. 2nd, Phila., Pa.
Carbic Mfg. Co., Duluth, Minn.
CAREY PHILIP MFG. CO., 330 Wayne av, Lockland, Cincinnati, O.
Darcoid Company, 1780 Broadway, New York *See adv index at end of book*
Ehret Magnesia Mfg. Co., Valley Forge, Pa.
Excello Mfg. Co., 5005 Euclid av, Cleveland, O.
Federal Asbestos Co., Milwaukee, Wis.
Fibre Rock Mfg. Co., 4566 Silverwood, Phila., Pa.
Franklin Mfg. Co. (Tape, Cord, Cloth, etc), Franklin, Pa.
General Asbestos & Rubber Co., Charleston, S. C.
Horton F. S. Corp., 36 Whittier, Roxbury, Boston, Mass.
Illinois Fire Proof Covering Co. (Product Mfgrs.), 216 Kenzie, Chicago, Ill.
Janos Asbestos Co., 26 Cortlandt, New York
Johns-Manville Inc. ("Johns-Manville"), **Madison av & 41st, New York**
Jones Bros. Asbestos Supply Co., Inc. (Dirs.), 512 2nd, San Francisco, Cal.
Keasbey & Mattison Co., Ambler, Pa.
MIKESELL BROS. CO. (Cloth, Yarns, Textiles), Wabash, Ind.
See adv index at end of book
Multibestos Co. (Yarn, Cloth, etc.), Walpole, Mass.
National Asbestos Mfg. Co., 193 Henderson, Jersey City, N. J.
New Jersey Asbestos Co., 1 Water, New York
New York Asbestos Co., 394 Canal, New York
Pacific Asbestos & Supply Co., 315 Front, Portland, Ore.
Plant Rubber & Asbestos Works, 537 Brannan, San Francisco, Cal.
Rockbestos Products Corp. ("Rockbestos" Yarn), 285 Nicoll, New Haven, Conn.
Special Service Flooring Corp., 2009 Grand Central Terminal, New York
Standard Asbestos Co., 69 Beekman, New York
Standard Woven Fabric Co. (Yarns, Cloth, etc.), Walpole, Mass.
Stokes Asbestos Co. (Cloth), Dept. H, Trenton, N. J.
Thermoid Rubber Co., Trenton, N. J.
See adv index at end of book
Titchener-Diehl Co. (Covering Loops), 1844-48 W Austin av, Chicago, Ill.
Trainer C. W. Mfg. Co., 55 High, Boston, Mass.
Union Asbestos & Rubber Co., 351 E. Ohio st., Chicago, Ill.
See adv. Index at end of book
U. S. Asbestos Co. (Yarns, Cloths, etc.), 45 N Duke, Lancaster, Pa.
Watson H. F. Co., Erie, Pa.
Western Asbestos Magnesia Co., 25 S Park, San Francisco, Cal.

Asbestos Metallic Cloth

See Packing, Asbestos Metallic

255— Asbestos Miners

American Insulation Co. (Crude), Nicetown, Phila., Pa. *See adv index at end of book*
Asbestos Crude & Fibre Corp., 342 Madison av, New York
Asbestos Textile Co. (Dirs), 18 E. 41st, New York
Asbestos & Mineral Corp., 1819 Broadway, New York
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
General Asbestos & Rubber Co., Charleston, S. C.
Keasbey & Mattison Co., Ambler, Pa.
Mikesell Bros. Co., Wabash, Ind.
See adv index at end of book
Schaaf-Regelman J., 220 B'way, New York

AMERICAN ASPHALT MACHINERY COMPANY

Complete Roofing and Asphalt Plant Machinery. Large Production Prepared Roofing Manufacturing Machinery
Shingle and Roll Roofing, Cutting, Packing and Branding Machinery
Tank Car Unloading, Asphalt and Tar Heating and Storing Equipment
Asphalt and Tar Saturators—Blowing Equipment

118 ST. CLAIR AVENUE EAST **CLEVELAND, OHIO**

256—Asbestos Paper & Mill Board Mfrs.

See also Asbestos Material

Acme Asbestos Covering & Flooring Co., 234 N. Elizabeth, Chicago, Ill.
See adv index at end of book
Albion Mfg. Co., Seattle, Wash.
American Insulation Co., Nicetown, Phila., Pa. *See adv index at end of book*
Carey Philip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, O.
DARCOID COMPANY, 1780 Broadway, New York *See adv index at end of book*
Ehret Magnesia Mfg. Co., Valley Forge, Pa.
Farnam F. D. & Co. ("Weldox" for Welders), 259 Wells, Chicago, Ill.
Franklin Mfg. Co. (Mill Board Only), Franklin, Pa.
General Asbestos & Rubber Co., Charleston, S. C.
Janos Asbestos Co., 26 Cortlandt, New York
Johns-Manville Inc., Madison av & 41st, New York
Keasbey & Mattison Co., Ambler, Pa.
Kramig R. E. & Co., 8th & Eggleston av, Cincinnati, O.
Mikesell Bros. Co., Wabash, Ind.
See adv index at end of book
National Asbestos Mfg. Co., 193 Henderson, Jersey City, N. J.
New York Asbestos Co., 394 Canal, New York
Norristown Magnesia & Asbestos Co., Norristown, Pa.
Racich Asbestos Co., Harris & Hancock, Long Island City, N. Y.
Standard Asbestos Co., 69 Beekman, New York
UNION PAPER & TWINE CO., 128 St. Clair av N W, Cleveland, O., and 528 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book
Watson H. F. Co., Erie, Pa.

257— Asbestos Powder

American Insulation Co., Nicetown, Phila., Pa. *See adv index at end of book*
Doggett Stanley, 11 Cliff, New York
International Pulp Co., 41 Park row, New York
Mikesell Bros., Co., Wabash, Ind.
See adv index at end of book
Standard Asbestos Co., 69 Beekman, New York
Whittaker, Clark & Daniels Inc., 250 Front, New York
Williams, C. K. & Co. ("Anchor Brand"), Easton, Pa.
See adv index at end of book

258—Asbestos Protected Metal

American Insulation Co., Nicetown, Phila., Pa. *See adv index at end of book*
Steel Sales Corp'n, Adams & Jefferson, Chicago, Ill.

Asbestos Roofing

See Roofing, Asbestos

Asbestos Rope, Cord & Twine

See Asbestos Material

259— Asbestos Table Padding

Asbestos Fibre Spinning Co. ("Huber"), North Wales, Pa.
Janos Asbestos Co., 26 Cortland, New York
Johns-Manville Inc. ("Johns-Manville"), **Madison av & 41st, New York**
Keasbey & Mattison Co. ("Kaynum"), Ambler, Pa.
Kerney Mfg. Co., 148 W. 62nd, Chicago, Ill.
Mikesell Bros. Co., Wabash, Ind.
See adv index at end of book
U. S. Asbestos Co., 45 N Duke, Lancaster, Pa.

Asbestos Textiles

See Asbestos Materials

Asbestos Yarns

See Asbestos Materials

259a— Ash (Causticized)

Diamond Alkali Co., 1st National Bank bldg., Pittsburgh, Pa.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Solvay Process Co., Syracuse, N. Y.

Ash Chutes (Steel Plate)

See Chutes, Steel Plate

Ash Handling Plants

See Coal Handling Systems for Power Plants, also Conveyors, Coal & Ash Handling; also Coal & Ore Handling Machinery

Ash (Pearl)

See Potassium (Carbonate Calcined)

260— Ash Receivers

Gunster Bros. ("Effective"), 325 Penn, Scranton, Pa.
Schimper Wm. & Co., 332-338 Ferry, Hoboken, N. J.

261— *Asphalt

TEXAS COMPANY, THE ("Texaco" asphalts for every purpose), Dept. D, 17 Battery pl, New York
See adv index at end of book

262—Asphalt Dealers & Importers

Barber Asphalt Co., Land Title bldg, Phila., Pa.
Barrett Co., 17 Battery pl, New York
Byerly & Sons ("Byerlyte"), 2489 W. 4th, Cleveland, O.
Canfield Oil Co. ("Bituflex"), 3210 E. 55th, Cleveland, O.
Doggett Stanley, 11 Cliff, New York
Fuerst Bros. & Co. (Imp), 2 Stone, New York
Gulf Refining Co., Frick bldg annex, Pittsburgh, Pa.
Headley Good Roads Co., 301 S 30th, Phila, Pa.
Indian Refining Co., 244 Madison av, New York
Meng Anthony & Co. (Imp), 123 S. Front, Philadelphia, Pa.
Neuchatel Asphalte Co. Ltd., 79 Tompkins, New York
Saacke Chas. W. (Imp), 50 Broad, New York
Scheel Wm. H. (Imp.), 179 Water, New York *See adv index at end of book*
Special Service Flooring Corp., 2009 Grand Central Terminal, New York
Standard Asphalt & Rubber Co. ("Sarco"), 208 S La Salle, Chicago, Ill
Standard Wax & Import Co. (Imp), 110 E. 42nd, New York
Trinidad Asphalt Mfg. Co., Title Guarantee Trust bldg, St. Louis, Mo
Union Insulating & Construction Co., 608 S. Dearborn st, Chicago, Ill.
United States Asphalt Refining Co., 90 West, New York
Wadsworth Stone & Paving Co., Lambert & P. R. R., Pittsburgh, Pa.
Warner-Quinlan Asphalt Co., 79 Wall, New York
Warren Bros. Co., 142 Berkeley, Boston, Mass.
Westrumite Co., Whiting, Ind.

Asphalt (Liquid & Solid)

See Asphalt Miners & Refiners

263— Asphalt Mastic

Barber Asphalt Co. ("Genasco" Flooring), Land Title bldg., Phila., Pa.
Gabriel & Schall ("Brunswick" Imported), 80 William, New York
Neuchatel Asphalte Co., Ltd, 79 Tompkins, New York
Shields W. S. P., Witherspoon bldg, Phila., Pa.
Special Service Flooring Corp., 2009 Grand Central Terminal, New York
Standard Asphalt & Rubber Co. ("Sarco," "Matrix"), 208 S La Salle, Chicago, Ill.
Texas Company, The, Dept. D, 17 Battery pl, New York
See adv index at end of book
Uhlich Paul & Co., 11 Cliff, New York
Wadsworth Stone & Paving Co. ("Standard"), Lambert & P R. R., Pittsburgh, Pa.
Warren Chemical Division, The Barrett Co., 17 Battery pl, New York

264—Asphalt Miners & Refiners

American Asphalt Ass'n. (Miners only of Gilsonite), Wainwright bldg, St. Louis, Mo.
American Insulation Co., Roberts av & Stokely, Phila., Pa.
Barber Asphalt Co., Land Title bldg, Phila., Pa.
Barrett Co., 17 Battery pl, New York
Byerly & Sons ("Byerlyte," "Mastic"), 2489 W 4th, Cleveland, O.
California-Fresno Oil Co., Fresno, Cal.
Central Commercial Co., 111 N Market, Chicago, Ill.
Gulf Refining Co., Frick bldg annex, Pittsburgh, Pa.
Harbor Refining Co., 2475 E. 9th, Los Angeles, Cal.
Indian Refining Co. (Liquid), 44 Whitehall, New York
King Refining Co., 58 Sutter, San Francisco, Cal.
Lehon Co. ("Mule-Hide" Waterproofing & Builtup Roof), 4451 S. Oakley av, Chicago, Ill.
See adv. Index at end of book
Neuchatel Asphalte Co., Ltd. (Mastic), 79 Tompkins, New York
Shields W. S. P. (Mastic), Witherspoon bldg, Phila., Pa.
Standard Asphalt & Rubber Co., ("Sarco"), 208 S La Salle, Chicago, Ill.
Standard Oil Co. ("Calol"), 225 Bush, San Francisco, Cal.
Standard Oil Co. of N. J., 26 B'way, New York
Standard Oil Co. of N. Y., 555 W 25th, New York
Sun Co., 1240 H. Finance Bldg., Phila., Pa.
Texas Company, The, Dept. D, 17 Battery pl, New York
See adv index at end of book
Trinidad Asphalt Mfg. Co. (Refiners), Title Guaranty bldg, St. Louis, Mo.
Union Oil Co. of Cal., Union Oil Bldg., Los Angeles, Cal.
United States Asphalt Refining Co., 90 West, New York
Wadsworth Stone & Paving Co. ("Standard" Mastic), Lambert & P. R. R., Pittsburgh, Pa.
Warner-Quinlan Asphalt Co., 79 Wall, New York
Warren Chemical Division, The Barrett Co. (Mastic), 17 Battery pl, New York

265— Asphalt Pipe Dip

Barber Asphalt Co., Land Title bldg, Phila., Pa
Byerly & Sons ("Byerlyte"), 2489 W. 4th, Cleveland, O.
Indian Refining Co., 244 Madison av., New York
Standard Asphalt & Rubber Co. ("Sarco"), 208 S La Salle, Chicago, Ill
Union Oil Co. of Cal., Union Oil Bldg., Los Angeles, Cal.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

266— Asphalt Plant Builders

AMERICAN ASPHALT MACHINERY CO., 118 St. Clair Av., N E, Cleveland, Ohio *See adv index at end of book*
Baker Iron Works, 950 N. B'way, Los Angeles, Cal.
Barber Asphalt Co. ("Iroquois" Portable & Stationary), Land Title bldg, Phila., Pa.
Cummer F. D. & Son Co. (Stationary Portable), Hanna bldg, Cleveland, Ohio
Dutwiler Mfg Co. (Portable), 2437 E. 23rd st, Los Angeles, Cal.
East Iron & Machine Co. (Stationary, Portable & One Car), 351 E Market, Lima, O.
Geiger Iron Works, Scott & Union, Stockton, Cal.
Hetherington & Berner, Indianapolis, Ind.
Llewellyn Iron Works, 1200 N Main, Los Angeles, Cal.
Madsen Iron Works, 5529 Bicket, Huntington Park, Cal.
Pioneer Iron Works (Refining Plants), 149 Pioneer, Brooklyn, N. Y.
Schwab Philip Co., 16th & Canal, Milwaukee, Wis.

Asphalt Rollers (Steam)

See Rollers, Steam Road

266a— Aspirators

Barnard & Leas Mfg. Co. (Grain), 403 20th, Moline, Ill
Uehling Instrument Co (For Air, Steam or Water), 71 B'way, New York

267— Aspirators (Flour Mill)

Allis Chalmers Mfg Co., Milwaukee, Wis.
See adv index at end of book
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Beall Improvements Co., Inc. (Corn), Decatur, Ill.

Fassett C. M. Co., N. 209 Wall, Spokane, Wash.
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
Howes S. Co. Inc., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Richmond Mfg. Co. ("Niagara" Centrifugal, Oat, Hull & Grain), Lockport, N. Y.
Robinson H. Mfg. Co., Muncy, Pa.
Sprout Waldron & Co., Muncy, Pa.
See adv index at end of book
Wolf Co., Chambersburg, Pa.

268— Assayers

See also Chemists; also Laboratories

Atkin & McRae, 1008 S. Hill, Los Angeles, Cal.
Banks John H. & Son, 26 John, New York
Bridgeport Testing Laboratory, 41 Cannon, Bridgeport, Conn.
Burlingame Walter E., 1915 Lawrence, Denver, Colo.
Ely Ethelbert, Dover, N. J.
Gibson Walter L., 824 Washington, Oakland, Cal.
Handy & Harman, 59 Cedar, New York
Hanks, A. A., 630 Sacramento, San Francisco, Cal.
Herman, John, 339 S Los Angeles, Los Angeles, Cal.
Illinois Chemical Laboratory, Inc., 572 W. Randolph st, Chicago, Ill.
Industrial Research Co., 28 Belden Pl., San Francisco, Cal.
Kansas City Testing Laboratory, 700 Baltimore, Kansas City, Mo.
Laucks, I. F., Inc., 99 Marion, Seattle, Wash.
Ledoux & Co., 99 John, New York
Luckhardt, C. G. Co., 627 Commercial, San Francisco, Cal.
Northwest Testing Lab., 114 Marion, Seattle, Wash.
Officer R. H. & Co., Salt Lake City, Utah
Rich-Alloy Co., 13223 Euclid av, Cleveland, Ohio
Ricketts & Co., Inc., 280 Madison av, New York
St. Louis Sampling & Testing Works, 713 Clark av, St. Louis, Mo.
Smith, Emery & Co., 651 Howard, San Francisco, Cal.
Stowell Wm. H., 421 Sprague, Spokane, Wash.
Twining Laboratories, 2146 Merced, Fresno, Cal.
Vandercook A. E. Engineering Co., 621 California, Sacramento, Cal.

269— Atlases

Cram Geo. F. Co., 107 N Market, Chicago, Ill.
Rand, McNally & Co., 538 S Clark, Chicago, Ill.

270— Atomizers (Air)

De Vilbiss Mfg. Co. ("De Vilbiss" System), 3762 Detroit, Toledo, Ohio

271— Atomizers (Billow)

National Supply Co. (For Fuel Oil Vaporization), 412 Orleans, Chicago, Ill.

271a— Atomizer (Fuel Oil)

Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
MacLeod Co. (Vaporization), 2227 Bogen, Cincinnati, O.
See adv index at end of book
National Supply Co., 412 Orleans, Chicago, Ill.

272— Atomizers (Medicinal)

Becton, Dickinson & Co. ("Yale"), Rutherford, N. J.
Codman & Shurtleff (Throat & Nose), 535 Albany, Boston, Mass.
DeVilbiss Mfg. Co., Toledo, O.
Hospital Rubber Co. ("Multiple," "Peerless"), Attleboro, Mass.

273— Atomizers (Spray)

See also Sprayers, Potato

Albert Lea Sprayer Co. (Small Hand), Albert Lea, Minn.
Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
BINKS SPRAY EQUIPMENT CO., 3129 Carroll av, Chicago, Ill.
Brown E. C. Co., Rochester, N. Y.
Hayes Pump & Planter Co., Galva, Ill.
Myers F. E. & Bro., 950 Orange, Ashland, O.
See adv index at end of book

274— Atropine

Hoffmann La Roche Chemical Works, 19 Cliff, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

275—Attachments (Automatic Drilling)

Hjorth Lathe & Tool Co. (Submerged), 274 School, Boston, Mass.
Krag, Franz K., 542 W Jackson Blvd., Chicago, Ill.
Lodge & Shipley Machine Tool Co. (Axle), 3055 Colerain av, Cincinnati, O.
National Acme Co., 7500 Stanton av, S E, Cleveland, O.

276—Attachments (Bean Harvester)

Akron Cultivator Co. ("Kraus"), Akron, O.
Gale Mfg. Co. ("Albion," "Gale"), Albion, Mich.
Lehr Agricultural Co., Fremont, O.
Ohio Cultivator Co., Bellevue, O.
Reed Fdry. & Mach. Co., Kalamazoo, Mich.

277—Attachments (Binder, for Headers)

Acme Harvesting Machine Co. ("Acme King"), Peoria, Ill.
Massey-Harris Harvester Co., Batavia, N. Y.

278—Attachments (Binder, for Threshers)

Massey-Harris Harvester Co., Batavia, N. Y.

279—Attachments (Cam Grinding)

Landis Tool Co., Waynesboro, Pa.

Attachments (Chain Drilling)

See Drills, Chain Attachment

280—Attachments (Clover Huller, for Threshers)

Nichols & Shepard Co., Battle Creek, Mich.

281—Attachments (Disc Drill & Seeder)

Deere & Co. ("Deere"), Moline, Ill.
Emerson-Brantingham Co., Rockford, Ill.
Fetzer & Co. ("Fetzer," "McSherry"), Springfield, Ill.
Janesville Machine Co., Janesville, Wis.

282—Attachments (Disc Furrowing)

For Runner Corn Planters

American Seeding Machine Co. ("Hoosier." ("Superior"), Springfield, O.
Deere & Co. ("Deere"), Moline, Ill.
Parlin & Orendorff Co. ("P. & O."), Canton, Ill.

283—Attachments (Drill, for Disc Harrows)

Emerson-Brantingham Co. ("E. B."), Rockford, Ill.

284—Attachments (Dropper, for Mowers)

Massey-Harris Harvester Co., Batavia, N. Y.
Seiberling & Miller Co. ("Empire"), Doylestown, O.

285— Attachments (Fertilizer)

Aspinwall Mfg. Co., Jackson, Mich.
Bateman Mfg. Co. ("Iron Age"), Grenloch, N. J.
Case J. I. Plow Works, Racine, Wis.
Deere & Co. ("Deere"), Moline, Ill.
Hayes Pump & Planter Co., Galva, Ill.
Peoria Drill & Seeder Co. ("Peoria"), Peoria, Ill.
Racine-Sattley Co. ("Sattley"), Springfield, Ill.
Sechler D. M. Implement & Carriage Co. ("Black Hawk"), Moline, Ill.

286—Attachments (Flax, for Binder)

Acme Harvesting Machine Co., Peoria, Ill.

287—Attachments (Gang Press Wheel)

For Grain Drills

American Seeding Machine Co. ("Empire," "Farmers'," "Favorite," "Hoosier," "Kentucky," "Superior"), Springfield, O.
Fetzer & Co., Springfield, Ill.

288— Attachments (Gas)

American Pin Co., Waterville, Waterbury, Conn.
Bryant Electric Co., 1421 State, Bridgeport, Conn.
Combustion Utilities Corp. (Burners), 8-10 Bridge, New York
Macallen Co., 16 Macallen, S Boston, Mass.
Manhattan Electrical Supply Co., 17 Park pl, New York
Plume & Atwood Mfg. Co., Waterbury, Conn.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Surface Combustion Co. The, 334 Gerard av, Bronx, New York
See adv index at end of book
Trumbull Electric Mfg. Co., Plainville, Conn.
Walsh Owen Mfg. Co., 225 6th av, New York
White J. H. Mfg. Co., 111 N 3d, Brooklyn, N. Y.

289-90—Attachments (Gear Cutting)

Brown & Sharpe Mfg. Co., Providence, R. I.
Whiton D. E. Mfg. Co., Howard & Oak, New London, Conn.

291—Attachments (Harrow, Sulky)

American Seeding Machine Co. ("Evans"), Springfield, O.
Brinly Hardy Co., Louisville, Ky.
Dexter Co. ("Excelsior"), Fairfield, Iowa
Emerson-Brantingham Co. ("E. B."), Rockford, Ill.
Joliet Mfg. Co., Joliet, Ill.
Moline Plow Co. ("Moline Orchard"), Moline, Ill.
Ohio Cultivator Co., Bellevue, Ohio
Peoria Drill & Seeder Co. ("Peoria"), Peoria, Ill.
Stoughton Wagon Co. ("New Stoughton"), Stoughton, Wis.

292— Attachments (Header)

Acme Harvesting Machine Co. ("Acme King"), Peoria, Ill.
Massey-Harris Harvester Co., Batavia, N. Y.

293—Attachments (Keyseater, for Cutting Oil Grooves)

MITTS & MERRILL, 1939 S Water, Saginaw, Mich.

294-5— Attachments (Milling Machine)

Adams Co. ("Farwell"), Dubuque, Iowa
Bliss A. H. Co., No. Attleboro, Mass.
Brown & Sharpe Mfg. Co. (also Grinding & Screw Machine), Providence, R. I.
Cincinnati Milling Machine Co., Cincinnati, Ohio
Clark-Mesker Co., 18511 Euclid av, Cleveland, O.
Cleveland Milling Mach. Co., 18521 Euclid Av., Cleveland, Ohio
Cochrane Bly Co., 19 St. James, Rochester, N. Y.
Elgin Tool Works, Elgin, Ill.
Enderes, Inc. ("Haase" Lathe Miller), Albert Lea, Minn.
Garvin Machine Co., 147 Varick, New York
Goodell-Pratt Co. (For Bench Lathes), Greenfield, Mass.
Hinckley Machine Works, Hinckley, Ill.
Kempsmith Mfg. Co., West Allis, Wis.
Knight W. B. Machinery Co. (Circular), 3920 H W Pine Blvd., St. Louis, Mo.
Krag Frank K. ("K. N. Spotting & Routing"), 542 W Jackson Blvd., Chicago, Ill.
Niles-Bement-Pond Co., 111 B'way, New York
See adv index at end of book
Oesterlein Mach. Co. (Vertical), Cincinnati, O.
Paschall Tool Co., 1401 W 7th, Long Beach, Cal.
PORTER CABLE MACHINE CO., THE (Permit spindle to operate at any angle at any plane), 708 N. Salina, Syracuse, N. Y.
See adv index at end of book
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Ready Tool Co. (Vise Hold Down), 550 Iraniston, Bridgeport, Conn.
Reed-Prentice Co. (Vertical & Slotting), 677 Cambridge, Worcester, Mass.
Sommer & Adams Co., 18511 Euclid Av., Cleveland, O.
Whitney Mfg. Co. (Vertical Universal), Bartholemew av, Hartford, Conn.
Woods Engng. Co. (Boring & Grinding), Alliance, O.

296—Attachments (Oil Burning, for Traction Engines)

Case J. I. Threshing Machine Co., Racine, Wis.
Emerson - Brantingham Co. ("Reeves") Rockford, Ill.

297—Attachments (Plowing, Traction Engine)

Avery Co., Peoria, Ill.
Case J. I. Threshing Machine Co., Racine, Wis.
Emerson-Brantingham Co. ("E. B." "Peerless," "Geiser"), Rockford, Ill.
Empire Plow Co., 3140 E 65th, Cleveland, O.

298—Attachments (Pump Spout)

Chicago Hardware Foundry Co., North Chicago, Ill.

299—Attachments (Reaping, for Mowers)

Emerson-Brantingham Co. ("E. B.," "E. B. Osborne"), Rockford, Ill.
Wood Walter A. Mowing & Reaping Machine Co., Hoosick Falls, N. Y.

300— Attachments (Riding, for Plows)

Moline Plow Co., Moline, Ill.

301—Attachments (Rotary Harrow, for Plows)

California Plow Co., 140 Polhenus, San Jose, Cal.
Caswell Mfg. Co., Cherokee, Ia.
National Harrow Co. ("De-Mand-A"), Le Roy, Ill.
Stevens Mfg. & Foundry Co., Decatur, Ill.

302-3—Attachments (Seeder, for Disc Harrows)

Cutaway Harrow Co. ("Clark's" Force Feed), Higganum, Conn.
Deere & Co. ("Deere"), Moline, Ill.
Emerson-Brantingham Co. ("E. B."), Rockford, Ill.
Fetzer & Co. ("Columbia," "Fetzer," "McSherry"), Springfield, Ill.
Janesville Machine Co., Janesville, Wis.
Massey-Harris Harvester Co. ("Continental"), Batavia, N. Y.
Moline Plow Co. ("Economy," "Flying Dutchman"), Moline, Ill.
Ohio Cultivator Co. ("Bellevue"), Bellevue, O.
Sterling Mfg. Co., Sterling, Ill.

304—Attachments (Spring Tooth, for Disc Cultivators)

Avery B. F. & Sons ("Revolution," "Uncle Sam"), Louisville, Ky.
Cal. Plow Co., 140H Polhenus, San Jose, Cal.
Deere & Co. ("Deere"), Moline, Ill.
Massey-Harris Harvester Co., Batavia, N. Y.
Kelly G. A. Plow Co., ("Boss"), Longview, Tex.

305—Attachments (Stalk Cutter)

Avery B. F. & Sons ("Revolution"), Louisville, Ky.
Hartman Mfg. Co. ("Pilot"), Vincennes, Ind.
Ohio Cultivator Co., Bellevue, O.

306—Attachments (Stone Planing Machine)

Lincoln Iron Works ("Thomson" Circular), Rutland, Vt.
Spaulding Fibre Co., Inc. (Hard Fibre), P. O. Box 52, Tonawanda, N. Y.
See adv index at end of book

306a—*Attachments (Vacuum Cleaner)

Allen & Billmyre Company, Inc., Grand Central Palace, New York.
See adv index at end of book
Spaulding Fibre Company, Inc. (Hard Fibre), Tonawanda, N. Y.
See adv index at end of book

307— Attachments (Wood Barking)

Baker Mfg. Corp., Saratoga Springs, N. Y.

308— Aubepine

Bush W. J. & Co., Inc., 370 7th, New York

308a— Auctioneers

INDUSTRIAL PLANTS CORP. (Specialists in the liquidation of Plants and Stocks; Machinery and Industrial Equipment. As auctioneers we have an enviable record of success and we offer you the benefit of our wide experience. Your request will bring a representative anywhere, any time), 25 Church, New York
See adv index at end of book

309— Audiphones

Globe Ear Phone Co. ("Globe"), Electrical & Mechanical, 88 Tremont, Boston, Mass.
Harper Oriphone Co., 294 Washington, Boston, Mass.
Mears Earphone Co., 43 W 34th, New York

Augers (Boring Machine)

See Bits, Auger

Augers (Breast)

See Augers, Miners

Augers (Bung)

See Borers, Bung Hole

Augers (Carpenters')

See Bits, Auger

Augers (Coal)

See Augers, Miners'

310—Augers (Flexible Pipe Cleaning)

B. B. Specialty Co. ("Burke" "Ever Ready" Closet), 443H Liberty av, Pittsburgh, Pa.
Coleman Allan J. ("C C C"), 208 N Wabash av, Chicago, Ill.
Lewis Samuel ("Wrigley"), 73 Barclay, New York
Wolverine Brass Works ("Wolverine" Adjustable), Grand Rapids, Mich.

311-12— Augers (Hollow)

Buckeye Mfg. & Fdry. Co. ("Stearns" & "Bonney" Patterns), 2046 W 55th, Cleveland, O.
Cincinnati Tool Co. ("Hargrave" Adjustable), Main & Waverly av, Cincinnati, Ohio
House Cold Tire Setter Co. ("Kelly, Jr."), 4143 Laclede av, St. Louis, Mo.
Ives W. A. Mfg. Co. ("Ives" Expansive, "Novelty"), Wallingford, Conn.
Millers Falls Co. ("Millers Falls"), Dept. H, Millers Falls, Mass.
Stearns E. C. & Co., ("Stearns" & "Bonney" Patterns), 450 Oneida, Syracuse, N. Y.
Swan J. Co., ("Ames," "Swan," "Universal"), Seymour, Conn.
Wood A. A. & Sons Co. ("Universal"), Atlanta, Ga.

Augers (Ice)

See Tools, Ice

Augers (Millwrights')

See Bits, Auger

313—Augers (Miners', Coal, Etc.)

Dooley Bros. (Coal), 1201 S Washington, Peoria, Ill.
Fairmont Mining Machinery Co. ("Fairmont," Power), Fairmont, W. Va.
Fulton Tool Works (Breast), Canal, Fulton, O.
Hardsocg Mfg. Co. (Breast), Ottumwa, Ia.
Hardsocg Martin Co. (Breast, etc), 922 South av, Pittsburgh, Pa.
Howells Mining Drill Co., Plymouth, Pa.
Joy Machine Co., Union Arcade, Pittsburgh, Pa.
Leetonia Tool Co. (Breast), Letoonia, Ohio
Peglar Machinery ("Breast"), Cowt. & 16th, Chattanooga, Tenn.
Racine General Mfg. Co. (Jobbers), Racine, Wis.
Reilly Bros. & Raub, Lancaster, Pa.
Remick Jas. S. Co., Sacramento, Cal.
Reinhard Bros. Co., 11-13 S. 9th, Minneapolis, Minn.
Reschke Machine Works Co., Wichita, Kan.
Rich Steel Products Co. ("R. S. P."), 3855 Santa Fe av, Los Angeles, Cal.
Roberts Mfg. Co. ("Jaknife" Windshield Vizors), Dept. H, New Haven, Conn.
Robinson Bros. & Co. Inc., 611 W. Main, Louisville, Ky.
Rocky Mountain Steel Products Inc. ("Moore 4 Speed" Transmission, "Rocky Mountain" Transmission & Brake), 1344 Wal, Los Angeles, Cal.
Rose Frank Mfg. Co. ("Rose"), Hastings, Nebr.
Rotax Co., 38 E. 133rd, New York
Roth Cadillac Co., Erie, Pa.
Rubber Products Corp. (Windshield Rubber, Barberton, Ohio
Russell J. & Co., Dept. H, Holyoke, Mass.
S. & G. Mfg. Co. ("Higas" Vaporizers), 444 N. Madison, Stockton, Cal.
Salem Tool Co. ("Salem" Breast Auger for Coal Mining), Salem, Ohio
Saxon Mfg. Co., 1034 Grand av, Toledo, O.
Schely C. Y. & Bro., 34 N 7th, Allentown, Pa.
Schrader's A. Sons Inc. (Fire Gauges, Valves, Valve Insides, Dust Caps, Pump Connections), 783 Atlantic av, Brooklyn, N. Y.
Scovel Iron Store Co. (Dlrs), 754 Howard, San Francisco, Cal.
Searles Electric Welding Wks., 821 W Washington blvd, Chicago, Ill.
Sieg Co. (Jobbers), Dept. H, Davenport,
Simmers G. P. & M. C. (Tie Rod & Spindle Bolts Valves), 120 S. Main, Pomoma, Cal.
Sloss & Brittain, 99H Beale, San Francisco, Cal.
Smith, H. Lund (Fenders, Tops, Shock Absorbers, Wind Shields, etc), Paterson, N. J.
Snell Mfg. Co., Fiskdale, Mass.
South Side Fdry. & Mach. Works, Charleston, W. Va.
Spears & Riddle Co., Wheeling, W. Va.
Spriestersbach Geo. W., Alamosa, Colo.
Standard Automatic Products Co. (Special Parts), Corry, Pa.
WARWOOD TOOL CO. (Breast), 19th, Warwood, Wheeling, W. Va.
What Cheer Tool Co. ("Breast," for Soft Coal, also "Moser" Ratchet), What Cheer, Ia.

314—Augers (Post Hole, Earth, Etc.)

See also Diggers, Post Hole

Anderson W. H. Tool & Supply Co. (Ground), Franklin & Dubois, Detroit, Mich.
Blake Specialty Co. (Water Pressure), Rock Island, Ill.
Chickasaw Machine & Foundry Co., Memphis, Tenn.
Coates Clipper Mfg. Co. ("Coates", Power for Blasting Purposes) Worcester, Mass.
Cook A. D., Lawrenceburg, Ind.
Dicke Tool Co., Downers Grove, Ill.
Eureka Fence Mfg. Co. ("S. & B"), Richmond, Ind.
Fenn Mfg. Co. ("Fenn's" Adjustable), Charlotte, Mich.
Frantz Mfg. Co., Sterling, Ill.
Gill Mfg. Co. (Mine), Phillipsburg, Pa.
Howells Mining Drill Co., Plymouth, Pa.
Indiana Steel & Wire Co., Muncie, Ind.
Iwan Bros. ("Iwan's," "Vaughns"), South Bend, Ind.
Lehr Agricultural Co., Fremont, O.
Pratt Wm. E. Mfg. Co. ("Star"), 35 W Lake, Chicago, Ill.
Pugh Job T. (Earth, "Block Twist"), 3101 Ludlow, Phila., Pa.
Richards-Wilcox Mfg. Co. ("Richards"), Aurora, Ill. *See adv index at end of book*
Seymour Mfg. Co. ("Vaughn" Pattern), Seymour, Ind.
Specialty Device Co. ("Standard"), 106 W 3d, Cincinnati, O.
Steel Products Co. ("Carbo"), 2600 W 111th, Morgan Park Station, Chicago, Ill.

315-6— Augers (Pump Log)

Anderson W. H. Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
B. B. Specialty Co., 433 Liberty av, Pittsburgh, Pa.
Pugh Job T., 31st & Ludlow, Phila., Pa.
Snell Mfg. Co., Fiskdale, Mass.

Augers (Rafting)

See Bits, Auger

Augers (Ring)

See Bits, Auger

Augers (Ship)

See Bits, Auger

Augers (Telegraph)

See Augers, Post Hole

317— Augers (Treenail)

Drew C. & Co., Kingston, Mass.
Pugh Job T., 3101 Ludlow, Phila., Pa.
Snell Mfg. Co., Fiskdale, Mass.
Star Bit & Tool Co., 1016 9th, Rockford, Ill.

318— Augers (Twist & Hub)

Defiance Machine Works, Defiance, O.
Pugh Job T., 3101 Ludlow, Phila., Pa.

319— Augers (Well)

Dempster Mill Mfg. Co., Beatrice, Neb.
Dobbins Core Drill Co. Inc., 81-85 Long Island City, N. Y.
See adv index at end of book
Iwan Bros., South Bend, Ind.
Loomis Machine Co., Tiffin, O.
Mark Mfg. Co., Evanston, Ill.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Pech Gus Foundry & Mfg. Co. ("Monitor"), Le Mars, Ia.
Southern Engine & Boiler Mfg. Co., Jackson, Tenn.
Star Drilling Machine Co., Akron, O.

319a— Auramine

Ciba Co. Inc., 134 Cedar, New York
Fergusson Alex C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
National Gum & Mica Co., 59th & 11th av, New York
Williamsburg Chemical Co., Inc., 230 Morgan av, Brooklyn, N. Y.

319b— Autoclaves

Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
Badger E. B. & Sons Co., a75 Pitts, Boston, Mass.
See adv index at end of book
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Devine J. P. Co., Buffalo, N. Y.
Elyria Enameled Products Co. (Cast Iron, Glass Enameled), Elyria, O.
Lancaster Iron Works, Lancaster, Pa.
Manitowoc Engineering Wks., Manitowoc, Wis.
Sowers Mfg. Co., 1320 Niagara, Buffalo, N. Y.
Stuart & Peterson Co., Burlington, N. J.
Superior Fdry. Co., Dept. H., E 71st & W. & L. E. Ry., Cleveland, O.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.

320— Automobile Accessories

See also the specific article required

Accesso Mfg. Co. ("Accesso" Safety Steering Control, Terminal Outfits, Connectors, Magnetic Lamps, License Holders, for Fords, etc.), 99H State, Boston, Mass.
Accessories Mfg. Co., 2311 Crawford av, Chicago, Ill.
Albany Hdwe. & Iron Co. (Jobbers), Dept. H, Albany, N. Y.

Allen Co. (Foot Accellerators for Ford Cars), 23 B'way, Camden, N. J.
Aluminum Castings Co. ("Alcasco"), 1700 N. Spring, Los Angeles, Cal.
Am. Auto Necessaries Co., Blue Rock & C. H. & D. R. R., Cincinnati, O.
American Sales Co. Inc. (Jobbers), 218H E Travis, San Antonio, Texas
Anderson Machine Works ("Simplex" Muffler Cut Out), 444 23rd, Oakland, Cal.
Angelus Automatic Brake & Governor, 629-31 San Julien, Los Angeles, Cal.
Ansonia Mfg. Co., 15 Park Row, New York
Apco Mfg. Co. (Ford Accessories, Providence, R. I.
Armstrong Machine & Well Works, Welsh, La.
ASHLAND BRASS FOUNDRY ("Ashland" Step Plates & Ford Pedal Extensions), Ashland, Ohio
Auto Tire Exchange, Burlington, N. C.
Automobile Supply Co. (Dlrs.), 207 N. Front, Wilmington, N. C.
Automotive Mfg. Co., 2203 S. Main, Los Angeles, Cal.
Bahls H. M. Hdwe. Co., 200 Main, La Fayette, Ind.
Bailey-Lebby Co., Charleston, S. C.
Baldwin Supply Co., 901 Va. E., Charleston, W. Va.
Ballou & Wright (Dlrs.), 10th & Flanders, Portland, Ore.
Barker Rose & Clinton Co., Dept. H, Elmira, N. Y.
Beals, McCarthy & Rogers, 46 Terrace, Buffalo, N. Y.
Beck & Corbitt Iron Co. (Jobbers), 1230 N Main, St. Louis, Mo.
Beck & Gregg Hardware Co., 64 Marietta, Atlanta, Ga.
Beckley-Ralston Co. (Dlrs), 1801 S. Michigan av, Chicago, Ill.
Berg Bros. Mfg. Co., 4520 W. North av, Chicago, Ill.
Blanchard Fred K. (Jobbers), Dept. H, Troy, N. Y.
Bodine Hardware Co., 13 Mechanic, Bradford, Pa.
Boetticher & Kellogg Co. (Dlrs), 1 Fulton av, Evansville, Ind.
Bonney Vise & Tool Wks., Inc., Allentown, Pa.
Bonniwell-Calvin Iron Co., 1217 W. 10th, Kansas City, Mo.
Boyles Mfg. Co., 5100 Santa Fe, Los Angeles, Cal.
Brawley, T. R. (Mechanical Felt Goods), 270 20th, Brooklyn, N. Y.
See adv index at end of book
Bright & Co., Reading, Pa.
Brimm Leo J., Inc., 119 W. 63rd, New York
Brown-Rogers Co., 507 Liberty, Winston-Salem, N. C.
Burhams & Black Co., Syracuse, N. Y.
Burton-Rogers Co. ("Hoyt" Ammeters), 26 Brighton av, Boston, Mass.
Cameron & Barkley Co. (Jobbers), 160 Meeting, Charleston, N. C.
Campbell Iron Co., 809-19H Cass av, St. Louis, Mo.
Cantrell-Miller Mfg. Co., 1246H Larkin, San Francisco, Cal.
Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
Caskey-Dupree Mfg. Co., Marietta, O.
Central Brass & Fixture Co., Springfield, O.
Central Rubber & Supply Co., 120 S. Meridian, Indianapolis, Ind.
Central States Steel Equipment Co. ("Better-Bilt" & "Central States"), Center & Allen, Joliet, Ill.
Champion Mfg. Co., 7332 Kimbark av, Chicago, Ill.
Chanslor & Lyon Co. (Jobbers), 730 Polk, San Francisco, Cal.
Cincinnati Rubber Mfg. Co., Norwood, Cincinnati, Ohio
See adv index at end of book
Cirac Automatic Reverse Control Co. ("Shaflock"), 141 Grove, San Francisco, Cal.
City Brass Works (Automatic Windshield Hinges), 1744 Carroll av, Chicago, Ill.
Clancy Hardware Co., Syracuse, N. Y.
Clark-Smith Hdwe. Co. (Jobbers, Tin, Metal, etc), Peoria, Ill.
Columbus Brass Co. (Aluminum Step Plates & Wing Ornaments), 620 Dublin av, Columbus, Ohio
See adv index at end of book
Continental Felt Co., 64-66 E. 11th, New York *See adv. Index at end of book*
Cooper Mfg. Co. (Foot Accelerators & Muffler Cutouts), Marshalltown, Ia.
Crawford Mill Supply Co., Winston-Salem, N. C.
Cray Bros. (Jobbers), 1111 W 11th, Cleveland, O.
Cussins & Fearn Co., 38-54H, W Spring, Columbus, Ohio
Davis K. A. Mfg. Co. ("Harris Magtimer"), 167 13th, Oakland, Cal.
De Woody's, 1256 Liberty, Franklin, Pa.
Diamond Signal Co., 181 Beale, San Francisco, Cal.
Dole Valve Co., 1923 Carroll, Chicago, Ill.
Douglas & Rudd Mfg. Co., Bronson, Mich.
Dover Stamping & Mfg. Co. (Funnels), Cambridge, Mass.
Dow Co. ("Dow" Bumpers, Tire Holders, etc.), 201H Buchanan, Louisville, Ky.
Drissel & Eberts, 21 E. 3rd, Bethlehem, Pa.
Dunham, Carrigan & Hayden Co., Kansas & Division, San Francisco, Cal.
Dunham Thomas Co., 284 Cleveland av, Aurora, Ill.
Dura Co. ("Dura" Window Regulators), Toledo, Ohio
Edelmann E. & Co., 2332 Logan blvd, Chicago, Ill.
Eclipse Machine Co., 18th, Elmira, N. Y.
Edwards & Chamberlain Hardware Co. (Dealers), Kalamazoo, Mich.
Emco Mfg. Co., 1H Starr av, Binghamton, N. Y.
Emmons-Hawkins Hardware Co. (Dlrs.), Huntington, W. Va.
Equipment Co., 1531 Walnut, Kansas City, Mo.
Ero Mfg. Co., 2234 Ogden av, Chicago, Ill.
Essandee Corp., 330 W. 16th, Los Angeles, Cal.
Foss M. L., 1729 California, Denver, Colo.
Foster Bros. Mfg. Co. (Auto Coasters & Tire Racks), Utica, N. Y.
Franke C. D. & Co. Inc. (Jobbers); Charleston, N. C.
Gahm & McCormick, Streator, Ill.
General Asbestos & Rubber Co. ("Ringpak" Piston Seal), Charleston, S. C.
General Metal Products Co., 2400H S Jefferson, St. Louis, Mo.
Gibbes Machy. Co. (Jobbers), Columbia, S. C.
Goss J. C. Co. (Canvas), 36 E Woodbridge, Detroit, Mich.
Gunther Mfg. Co. ("Gunther" Engine Humidifier), 1343 S. Hill, Los Angeles, Cal.
GWILLIAM CO., 23 Flatbush av, Brooklyn, N. Y. *See adv index at end of book*
Halliwell Bros., 317 W. Pico, Los Angeles, Cal.
HAMILTON CASTER & MFG. CO. ("Weigel" Tire Carriers), 1635 Dixie Highway, Hamilton, Ohio
See adv. Index at end of book
Handy Mfg. Co. (For Fords), Grand Rapids, Mich.
Hearsey H. T. Co. (Jobbers), 245 Moss av, Indianapolis, Ind.
Henvis Garnett J. Co. ("Hen-Vis" Ventilators), 5046 Irving, Philadelphia, Pa.
Herr & Co., 7 E. King, Lancaster, Pa.
Hipwell Mfg. Co., 831 North W av, Pittsburgh, Pa.
Holley-Mason Hardware Co. (Jobbers), Spokane, Wash.
Holter Hdwe. Co. (Jobbers), Helena, Mont.
Horatt Jos. Mfg. Co., 417 Ferry, Lafayette, Ind.
Huey & Phillip Hardware Co., Dallas, Tex.
Iron & Steel Products Corp. (Dlrs.), 221 E. 25th, Chicago, Ill.
Jamestown Hardware Co. (Whol.), Jamestown, N. Y.
Jensen King Byrd Co. (Jobbers), 320H Riverside av, Spokane, Wash.
KALES STAMPING CO., 1680 W Lafayette blvd, Detroit, Mich.
See adv. Index at end of book
Kellogg Mfg. Co., 97 Humboldt, Rochester, N. Y.
Kelly Duluth Co., 120 W. Superior, Duluth, Minn.
Keystone Reamer & Tool Co. (Reamers), Millersburg, Pa.
Kilbourne & Clark Mfg., 101 Spokane, Seattle, Wash.
Kilmer & Sons Co. (Dlrs), 1001 1st av, Spokane, Wash.
Kimball-Upton Co. (Jobbers), Sacramento, Cal.
Kingman Mfg. Co., 2201 S Main, Los Angeles, Cal.
Ko-Mo Supply Co., 226 N Tryon, Charlotte, N. C.
Koochook Co. (Jobbers), 2209 Pine, St. Louis, Mo.
La Pierre H. M. Co. ("Dudie"), 1314 W. 21st, Chicago, Ill.
Lathan Auto Supply Co. ("Critz" Grease Gun Filler), 1456 Pine, San Francisco, Cal.
Legler-Eilerman Co., Dayton, O.
Logan Machine & Mfg. Co., 126 S. Clinton, Chicago, Ill.
Lucas Supply & Equipt. Co., 109 N George, York, Pa.
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Luric John, Inc., 1789 B'way, New York
McClurg C. M. & Co., Knoxville, Tenn.
McRae H. A. & Co., 71 River, Troy, N. Y.
Marshall Wells Co., Duluth, Minn.
Martin Auto Specialty Co., Lancaster, O.
Massey Hardware Co. (Jobbers), Wichita, Kas.
Mathews & Boucher (Jobbers), 26H Exchange, Rochester, N. Y.
May F. P. Hdwe. Co. (Dlrs.), 469 C, N W, Washington, D. C.
Mayer Carburetor Co. (for Fords), 2675 Main, Buffalo, N. Y.
Metal Specialties Mfg. Co. ("Presto"), Dept. H, 338 N. Kedzie av, Chicago, Ill.
Michigan Bearings Co. (Bearing Jobbers), 4612 Woodward av, Detroit, Mich.
Miho Co., 717 Sycamore, Cincinnati, O.
Milac Products Co., 646 Laura, Huntington Park, Cal.
Mims Pump Co. (Circulating Pump), 444 N Madison, Stockton, Cal.
Monarch Felt Works (Mechanical Felt Goods), 39-45H York, Brooklyn, N. Y.
Monarch Tool & Machinery Co., 522 S Clinton, Chicago, Ill.
Moore-Handley Hardware Co., Birmingham, Ala.
Morehouse & Wells Co., Decatur, Ill.
Morkrum Co., 1410 Wrightwood av, Chicago, Ill.
Morley Bros., Saginaw, Mich.
Moswell Mfg. Co. ("Moswell"), 68 Grand, New York
Motor Equipment Co. (Jobbers), Wichita, Kans.
National Gauge & Equipment Co., La Crosse, Wis.
National Mill Supply Co. (Dlrs), Ft. Wayne, Ind.
New Process Co. (Dlrs), Warren, Pa.
Newton Mfg. Corp., Plainville, Conn.
See adv index at end of book
NEW YORK WIRE & SPRING CO., Uptown Box 6043, Hoboken, N. J.
See adv index at end of book
Nicols, Dean & Gregg (Jobbers), 8th & Sibley, St. Paul, Minn.
North East Electric Co., Dept. H, Rochester, N. Y.
North Side Tool Co. (Ford Steering Wheel Lock), 17 Maryland av, Dayton, O.
Oliver Bros., 71 Murray, New York
Ortman Motor Co., Washington Courthouse, O.
Paragon Electric Co., 446 7th av, New York
Philbrin Corp., Kennett Square, Pa.
Pouvailsmith Corp., Poughkeepsie, N. Y.
Premier Electric Co., 1123 S. Wabash av, Chicago, Ill.
Quanrud Brink & Reibold Inc., 206 4th, Bismarck, N. D.
Racine General Mfg. Co. (Jobbers), Racine, Wis.
Reilly Bros. & Raub, Lancaster, Pa.
Remick Jas. S. Co., Sacramento, Cal.
Rich Tool Co. (Valves & Tappets), Railway Exchange bldg, Chicago
Reinhard Bros. Co., 11-13 S 9th, Minneapolis, Minn.
Reschke Machine Works Co., Wichita, Kan.
Rich Steel Products Co. ("R. S. P."), 3855 Santa Fe av, Los Angeles, Cal.
Roberts Mfg. Co. ("Jaknife" Windshield Vizors), Dept. H, 152 Brewery, New Haven, Conn.
Robinson Bros. & Co. Inc., 611 W. Main, Louisville, Ky.
Rocky Mountain Steel Products Inc. ("Moore 4 Speed" Transmission, "Rocky Mountain" Transmission & Brake), 1344 Wall, Los Angeles, Cal.
Roth Cadilac Co., Erie, Pa.
Rose Frank Mfg. Co. ("Rose"), Hastings, Neb.
Rubber Products Corp. (Windshield Rub Barberton, Ohio
Russell J. & Co., Dept. H, Holyoke, Mass.
S & G. Mfg. Co. ("Higas" Vaporizers), 444 N Madison, Stockton, Cal.
Schelly C. Y. & Bro., 32 N. 7th, Allentown, Pa.
Schrader's A. Sons Inc. (Fire Gauges, Valves, Valve Insides, Dust Caps, Pump Connections), 470 Vanderbilt av, Brooklyn, N. Y.
Scovel Iron Store Co. (Dlrs), 754 Howard, San Francisco, Cal.
Searles Electric Welding Wks., 821 W Washington blvd, Chicago, Ill.
Simmers G. P. & M. C. (The Rod & Spindle Bolts Valves), 120 S Main, Pomoma, Cal.
Sloss & Brittain, 99H Beale, San Francisco, Cal.
Smith H. Lund (Fenders, Tops, Shock Absorbers, Wind Shields, etc), Paterson, N. J.
Spears & Riddle Co., Wheeling, W. Va.
Spriestersbach, Geo. W., Alamosa, Col.
Standard Automatic Products Co. (Special Parts), Corry, Pa.
Standard Supply & Equipment Co., n w cor Cherry & 13th, Philadelphia, Pa.
Staude E. G. Mfg. Co. (attachments), St. Paul, Minn.
Steg Co. (Jobbers), Dept. H, Davenport, Ia.
Steinman Hdwe. Co. (Dlrs.), 21 W King, Lancaster, Pa.
Stewart Mfg. Co. (Ford & Chevrolet Specialties), 4073 Hollis, Oakland, Cal.
Stratton & Terstegge Co. (Jobbers), 15th & Main, Louisvile, Ky.
Strevell Patterson Hardware Co., 124-128H S West Temple, Salt Lake City, Utah
Storm King Mfg. Co. ("Storm King"), Winneconne, Wis.
Strong H. M. Steel Products Co. ("No Riv" Fans & "Steer Relief" Gears for Fords), Whitney Power bldg., Cleveland, Ohio
Superior Mfg. Co., Monticello, Ind.
Templeton Chas. A., Inc., Dept. H, Waterbury, Conn.
Tenk Hdwe Co., Quincy, Ill.
Tennessee Mill & Mine Supply Co. (Jobbers), 316 State, Knoxville, Tenn.
Thomson-Diggs Co. (Dlrs.), 3d & R, Sacramento, Cal.
Tips Walter Co., Austin, Texas
Treman King & Co. (Jobbers only), Ithaca, N. Y.
Trico Products Co., 624 Ellicott, Buffalo, N. Y.
Tucker Bros. Mfg. Co. ("Tucker" Spoke Lighteners and "Timm" Bushing), Auburn blvd, Sacramento, Cal.
United Engine & Machine Work Inc. (Piston Aligners), 507 B'way, Fresno, Cal.
Wagner Bros. Hardware Co. (Jobbers), Hazelton, Pa.
Warner-Patterson Co., 914 S. Michigan av, Chicago, Ill.

(Continued on following page)

Automobile Accessories—Continued

Washington Machy. & Supply Co. (Dlrs), Division & A. W. R. & N. Tracks, Spokane, Wash.
See adv index at end of book
Waterhouse & Lester Co. (Dlrs), 540 Howard, San Francisco, Cal.
Weinstock Nichols & Co. (Jobbers), 538 Golden Gate av, San Francisco, Cal.
Wilkes-Barre Can Co. (Metal Containers), Penna. av & Butler, Wilkes-Barre, Pa.
Williams Hardware Co., Clarksburg, W. Va.
Williams J. H. & Co. (Wrenches, Wrench Sets, Tire Tool & Auto Tool), 400 Vulcan, Buffalo, N. Y.
Wisconsin Electric Co. ("Dumore"), 1602 Junction av, Racine, Wis.
Wizard Lunch Kit Co. The, 1801 Divisadero, San Francisco, Calif.
Woodworth Specialties Co. ("Woodworth" Spring Covers), 53 State, Binghamton, N. Y.
WORCESTER PRESSED STEEL CO. (Stamping), Worcester, Mass.
See adv index at end of book
Worthington A. P., 700 N. Main, Los Angeles, Cal.
Wyeth Hdwe. & Mfg. Co., St. Joseph, Mo.
Young M. S. & Co., 740 Hamilton, Allentown, Pa.

320a—Automobile Accessories for Fords

Accesso Mfg. Co. ("Acceso" Safety Steering Control, Terminal Outfits, Connectors, Magnetic Lamps, etc.), 99H State, Boston, Mass.
Ames F. A. Co. ("Amesbilt" Bodies), Owensboro, Ky.
Anderson Electric Car Co., Aberle, Detroit, Mich.
Apco Mfg. Co., Eddy, Providence, R. I.
Arcadia Trailer Co. ("Arcadia"), Newark, N. Y.
Auto Metal Products Co. ("Paramount" "Ryt-O-Way" Mechanical & Motor Driven), 432 E. 71st, New York
B. E. Mfg. Co. ("Bemco"), 210 13th, Long Island City, N. Y.
Central Machine Wks. Co. (Cole Line Drives for Fordson), 1234 Central av, Minneapolis, Minn.
Cincinnati Ball Crank Co. ("Balcrank" Drag Links), N. Oakley, Cincinnati, O.
Davis K. A. Mfg. Co. ("Harris Mag-Timer" Spark Timers), 167 13th, Oakland, Cal.
Eckhouse Walter & Co. ("W&C"), 616 S. Michigan blvd, Chicago, Ill.
F. A. B. Mfg. Co. ("Falco" Brakes, Extension Frames & "Koolunit" Circulating Pumps), 1856 7th, Oakland, Cal.
Gahm & McCormick, Streator, Ill.
General Asbestos & Rubber Co. ("Garco"), Dept. H, Charleston, S. C.
Grant Auto Appliance ("Grant" pedal pads), 2415 W. 14th, Chicago, Ill.
Griffith Machine Works ("Sta-Kool" Circulating Pumps), 1008 Santee, Los Angeles, Cal.
Haines Mfg. Co. ("Crystalites" Glass Rear Curtain Lights), 104 South av, Rochester, N. Y.
Handy Mfg. Co., Grand Rapids, Mich.
Hastings Mfg. Co. ("Hastings" Glass Rear Curtain Lights), 36 E. Mill, Hastings, Mich.
Horatt Jos. Mfg. Co. ("Tight Wad" Piston Rings), 417 Ferry, Lafayette, Ind.
Kent Moore Organization ("Direct Sight" Fuel Level Indicators), General Motors bldg, Detroit, Mich.
Kingman Mfg. Co., 2201 S Main, Los Angeles, Cal.
Ko-Mo Supply Co., 226 N Tryon, Charlotte, N. C.
Laurel Motors Corp. ("Laurel" Cylinder Heads), Anderson, Ind.
Lawson F. H. Co., Evans & Whateley, Cincinnati, Ohio
Long Distance Spark Plug Co. ("Stop Thief" Locks), Birmingham, Ala.
Mackin Stephen Mfg. Co. ("Mackin" Oil Gauges), 54 Hermon, Worcester, Mass.
Magnetizer Mfg. Co. ("Colpin" Magneto Recharger), 6110 S Main, Los Angeles, Cal.
Martin-Parry Corp. (Commercial Bodies), York, Pa.
Master Timer Mfg. Co., 134 W 35th, Los Angeles, Calif.
Mayer Carburetor Co., 2675 Main, Buffalo, N. Y.
Melrose Mfg. Co. ("Sather" Foot Throttle), 4826 E 14th, Oakland, Cal.
Metal Specialties Mfg. Co. ("Presto"), 338 N. Kedzie av, Chicago, Ill.
Milwaukee Motor Products Inc. ("Milwaukee" Timer), 760 30th, Milwaukee, Wis.
Millwood-Brackett Co., Des Moines, Ia.
Nathan Novelty Mfg. Co. ("Nathan"), 55 5th av, New York
New York Wire & Spring Co., Uptown Box 6043, Hoboken, N. J.
See adv index at end of book
North Side Tool Co. (Steering Wheel Lock), 17 Maryland av, Dayton, O.
Pacific Felt Cutting & Sewing Co. ("Pafesco" Felt Washers & Gaskets), 26 Clementina, San Francisco, Cal.
Park Mfg. Co. ("Park"), 47H Lagrange, Worcester, Mass.
Phila. Coppersmith Co. ("Red-Lock" Clutch Pedal Control), 808 N. Front, Phila., Pa.
Polar Bear Pump Co., 1030 S Grand, Los Angeles, Calif.
Powers Mfg. Co. ("Powers" Transmission Linings), Waterloo, Ia.
Rajo Motor Co. ("Rajo"), 1363 Racine, Racine, Wis.
Raybestos Co. ("Raybestos" Emergency Brakes, Cam Brakes, Transmission Linings), Bridgeport, Conn.
Riley Geo. & Co. ("Multi-Lift" Cylinder Heads), 2954 W. Pico, Los Angeles, Cal.
Rocky Mountain Steel Products Co. ("Moore 4 Speed," "Rocky Mountain" Transmission & Brake), 1344 Wall, Los Angeles, Cal.
Rush W. S. & Co. ("Rush" Timers, Brakes, etc.), 118 N Daly, Los Angeles, Cal.
Russell Mfg. Co. ("Rusco" Clutch Linings & Emergency Brakes), Middletown, Conn.
Savage Mfg. Co., 1913 Western av, Seattle, Wash.
Schurs Oil Burner Co. ("Injecto" Pump), 5332 Santa Fe av, Los Angeles, Cal.
Smith F. A. Mfg. Co. ("Smith" Dlrs), Rochester, N. Y.
Stewart Mfg. Co., 4073 Hollis, Oakland, Cal.
Storm King Mfg. Co. ("Storm King"), Winneconne, Wis.
Sweet Lawrence A. Mfg. Co., 2617 E. 55th, Los Angeles, Cal.
Wallace Motor Products Corp. ("Akuret" Oil Gauges), 467 Washington, New York
Western Brass Mfg. Wks., Marshall blvd & 21st, Chicago, Ill.
Williams Bros. Aircraft Corp. ("Williams" accelerator), 1301 Potrero av, San Francisco, Cal.
Young M. S. & Co., 740 Hamilton, Allentown, Pa.

320b—*Automobile Curtain Silks

Schlegel Mfg. Co., 277 N Goodman st, Rochester, N. Y.

Automobile Meters

See Meters (Speed Indicating)

320c—Automobiles (Passenger, Electric)

Detroit Electric Car Co. ("Detroit"), 5860 Cass av, Detroit, Mich.
Rauch & Lang ("Rauch & Lang"), Chicopee Falls, Mass.
Walker Vehicle Co., State & 87th, Chicago, Ill.

321— Automobiles (Passenger Gasoline)

Marked thus *build Pleasure Cars; †build Commercial Cars; §build Cycle Cars. See also list of "Automobile Trade Names" which immediately follows and which will enable one to locate the manufacturer of almost any Pleasure or Commercial Car made.

All makes are Gasoline Cars unless otherwise described.

Importers of Foreign Makes Are Included in This List and Are so Marked.

NOTE—See also Fire Engines, Motor; also Motor Cycles; also Trucks.

*American Motors Corp., Plainfield, N. J.
*Anderson Motor Co. (Gasoline), Rock Hill, S. C.
*Apperson Bros. Automobile Co., Kokomo, Ind.
***Auburn Automobile Co., Auburn, Ind.**
Automatic Transportation Co. ("Automatic" Electric), 2939 Main, Buffalo, N. Y.
See adv index at end of book
Brewster & Co., Queensboro Bridge Plaza, Long Island City, N. Y.
***Buick Motor Co. (Dept General Motors Co.), Flint, Mich.**
Cadillac Motor Car Co. ("Cadillac"), 2860 Clark av, Detroit, Mich.
*Case J. I. Threshing Mach. Co., 700 State st, Racine, Wis.
*Century Motors Co., Elkhart, Ind.
***Chandler Motor Car Co. ("Chandler"), E 131st & St. Clair av, Cleveland, Ohio**
Champion Motors Inc., 809 Harrison bldg.
*Chevrolet Motor Co., Div. of General Motors Corp., General Motors bldg, Detroit, Mich.
Chrysler Motor Corp., 12200 E. Jeff., Detroit, Mich.
***Cleveland Automobile Co., Euclid av & London, Cleveland, O.**
*Cole Motor Car Co., 750 E Washington, Indianapolis, Ind.
Columbia Motors Co. ("Columbia Six"), 6501 Mack, Detroit, Mich.
Consolidated Motor Car Co., 373 Pequot av, New London, Conn.
***†Cortland Cart & Carriage Co. (Gasoline),** Sidney, N Y.
Courier Motors Co., Sandusky, Ohio.
Crane-Simplex Co., 12th st. and Vernon av, Long Island City, N. Y.
***†Crawford Automobile Co., Hagerstown, Md.**
†Cunningham Jas. Son & Co., 18 Canal st, Rochester, N. Y.
Daniels Motor Co. ("Daniels Eight"), Dept. H, Reading, Pa.
*Davis Geo. W. Motor Car Co., 1200 North E st, Richmond, Ind.
Delmore Motors Corp., 58 W. 39th st, New York.
Dodge Bros. ("Dodge"), 7900 Joscampau av, Detroit, Mich.
*†Dorris Motor Car Co., 4100 Laclede av, St. Louis, Mo.
*Dort Motor Car Co., Flint, Mich.
Duesenberg Automobile & Motor Co. ("Duesenberg"), W. Washington & Harding, Indianapolis, Ind.
***Du Pont Motors Inc., Moore, Pa.**
Durant Motors ("Durant"), 1819 Broadway, New York.
Earl Motors Mfg. Co., ("Earl"), Jackson, Mich.
Elcar Motor Co., Beardsley av, Elkhart, Ind.
*Essex Motors, 12601 E. Jefferson, Detroit, Mich.
Ford Motor Co. ("Ford"), Highland Park, Detroit, Mich.
Flint Motor Co., Flint, Mich.
Fox Motor Car Co., 7th and Grange av, Philadelphia, Pa.
Franklin H. H. Mfg. Co. ("Franklin"), 302 Gebbs, Syracuse, N. Y.
Fremont Motors Corp., Fremont, Ohio.
Gardner Motor Co. ("Gardner"), Main & Rutger, St. Louis, Mo.
Gray Motor Corp., Mack av and Terminal Ry, Detroit, Mich.
H. C. S. Motor Car Co. ("H. C. S."), 14th & Capital av, Indianapolis, Ind.
Hanson Motor Co. ("Hanson Six"), Ashby st and Murphy av, Atlanta, Ga.
*Haynes Automobile Co., Kokomo, Ind.
Henney John W. & Co., Louis av and Jackson st, Freeport, Ill.
Holmes Automobile Co., 2820 Winfield Way N. E., Canton, O.
Hudson Motor Car Co. ("Hudson Super-Six"), 4462 Woodward, Detroit, Mich.
†Huffman Bros. Motor Co., Elkhart, Ind.
Hupp Motor Car Co. ("Hupmobile"), 2965 Woodward, Detroit, Mich.
*Jackson Motors Corp., E. Main and Horton sts, Jackson, Mich.
Jewett Motors, Detroit, Mich.
*Jordan Motor Car Co., 1054 E 152d, Cleveland, O.
†Ky. Wagon Mfg. Co., 3d st at Eastern parkway, Louisville, Ky.
†King Motor Car Co., 90 Pearl st, Buffalo, N. Y.
Kissel Motor Car Co. ("Kissel"), 182 Kissel av, Hartford, Wis.
Kleiber Motor Truck Co., 11th & Folsom, San Francisco, Cal.
*†Kline Car Corp., 701 E Cary st, Richmond, Va.
Lafayette Motors Corp. ("Lafayette"), Milwaukee, Wis.
Lexington Motor Co., Connersville, Ind.
†Lincoln Motor Truck Co, Warren & Livernois, Detroit, Mich.
*†Locomobile Co. of America, Bridgeport, Conn.
Louisiana Motor Car Co., Shreveport, La.
*McFarlan Motor Co., Meridian Lf. bldg, Connersville, Ind.
Martin-Wasp Corp. ("Wasp"), Bennington, Vt.
†Master Trucks Inc., 1638 S Wabash, av, Chicago, Ill.
*Maxwell Motor Corp., 12300 Oakland av. E, Detroit, Mich.
Mercer Motors Co., Trenton, N. J.
*Mercer Automobile Co., Trenton, N. J.
†Meteor Motor Car Co., Piqua, Ohio
Metropolitan Motors Inc., 1104 Grand av. Temple, Kansas City, Mo.
*§Monroe Motors Inc., 20th and Olney sts, Indianapolis, Ind.
Moon Motor Car Co., 4400 N. Main, St. Louis, Mo.
*Murray Motor Car Co. (Gasoline), 85 Church st, Boston, Mass.
*Nash Motors Co., The, Kenosha, Wis.
*National Motor Car & Vehicle Corp. E 22nd & Belt Ry, Indianapolis, Ind.
*Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
*Oakland Motor Car Co. (Dept. General Motors Co.), 240 Oakland av, Pontiac, Mich.
†Old Reliable Motor Truck Co., 3913 W Washington, Chicago, Ill.
Oldfield Motors Corp. ("Oldfield"), Monrovia, Cal.
*Olds Motor Works (Dept. General Motors Co.), Lansing, Mich.
*†Packard Motor Car Co., 1580 E Grand blvd, Detroit, Mich.
Paige Detroit Motor Car Co. ("Paige"), Dept. H, McKinstry & Fort, Detroit, Mich.
*†Peerless Motor Car Co., Quincy av & E 93d, Cleveland, O.
*†Pierce-Arrow Motor Car Co., 1695 Elmwood av, Buffalo, N. Y.
*Pilot Motor Car Co., N 10th st, Richmond, Ind.
Premier Motors Inc., 2014 Olney st, Indianapolis, Ind.
*Revere Motors Co., Logansport, Ind.
*Reo Motor Car Co., Lansing, Mich.
Rickenbacker Motor Co., 4815 Cabot av, Detroit, Mich.
Riddle Mfg. Co., Main st, Ravenna, Ohio.
Roamer Motor Car Co., Factory and Reed sts. Kalamazoo, Mich.
Robe Motor Corp., 4 Arcade bldg, Norfolk, Va.
Rollin Motors Co., 19000 Euclid av, Cleveland, O.

•**Rolls-Royce of Amer. Inc. ("Rolls-Royce" Chassis & Custom Built Bodies), Page blvd, Springfield, Mass.**
•†Schildwachter Automobile Co., 2434 Grand, New York.
†Selden Truck Corp. ("Selden"), Probert, Rochester, N. Y.
•Seneca Motor Car Co., Poplar st, Fostoria, O.
•†Stanley Motor Carriage Co. (steam), Newton, Mass.
†Star Motors Inc. (Div. Durant Motors Inc.), 1819 Broadway, New York.
•†Stearns F. B Co., Euclid av & Lakeview rd Cleveland, O.
§**Stephens James S., 7321 S Shore, Chicago, Ill.**
Stephens Motor Car Co. Inc., Moline, Ill.
†Sterling Knight Co., Perkins rd, Warren, Ohio.
Stevens-Duryea Inc. ("Stevens-Duryea"), Dept. H, Chicopee Falls, Mass.
•†Studebaker Corp., South Bend, Ind.
•Stutz Motor Car Co., N W cor Capitol av & 10th, Indianapolis, Ind.
•**Templar Car Co., Templar pk, Cleveland, O.**
Velie Motors Corp. ("Velie"), Moline, Ill.
†Vim Motor Truck Co., Broad and Huntington, Philadelphia, Pa.
•†Waverly Co., 139 S East, Indianapolis, Ind
•Westcott Motor Car Co., Spring and Warder sts, Springfield, O.
Wills Sainte Claire Inc., 500 E Jefferson av, Detroit, Mich.
Willys-Overland Co. ("Overland"), Toledo, Ohio
Wisconsin Automotive Corp., Menasha, Wis.
†Witt-Will Co., 52 N, N E, Washington, D. C.
Yellow Cab Mfg. Co., 5801 Dickens, Chicago, Ill.

321a— Automobiles (Passenger Steam)

Doble Steam Motors, 714 Harrison, San Francisco, Cal.
Stanley Motor Carriage Co., Newton, Mass.

322—Automobile or Motor Car Trade Names

See also Trade Name Section.

Each name is followed by the title (in some cases in an abbreviated form) of the firm making or handling car. For the full name, address and variety of product of each firm see the preceding list of Automobile Builders.

Names of Foreign Cars are followed by the word "Imported"

"AMBASSADOR"—Yellow Cab Mfg. Co.
"AMERICAN"—American Motors Corp.
"ANDERSON"—Anderson Motor Co.
"APPERSON" — Apperson Bros. Automobile Co.
"AUBURN"—Auburn Automobile Co.
"BARLEY"—Roamer Motor Car Co.
"BREWSTER"—Brewster & Co.
"BUICK"—Buick Motor Co.
"CADILLAC"—Cadillac Motor Car Co.
"CASE"—Case J. I. Threshing Machine Co.
"CHANDLER"—Chandler Motor Car Co.
"CHEVROLET"—Chevrolet Motor Co.
"CHRYSLER"—Chrysler Motor Corp.
"CLEVELAND" — Cleveland Automobile Co.
"COLE"—Cole Motor Car Co.
"CUNNINGHAM"—Cunningham Jas. Son & Co.
"DAGMAR"—Crawford Automobile Co.
"DANIELS"—Daniels Motor Co.
"DAVIS"—Davis G. W. M. C. Co.
"DETROIT ELECTRIC"—Detroit Electric Car Co.
"DODGE"—Dodge Brothers.
"DORRIS"—Dorris Motor Car Co.
"DUESENBERG" — Duesenberg Automobile & Motor Co.
"DU PONT"—Du Pont Motors.
"DURANT"—Durant Motor Co.
"ELCAR"—Elcar Motor Co.
"ESSEX"—Essex Motors.
"FLINT"—Flint Motor Co.
"FORD"—Ford Motor Co.
"FRANKLIN"—Franklin H. H. Mfg. Co.
"GARDNER"—Gardner Motor Co.
"GRAY"—Gray Motor Corp.
"H. C. S."—H. C. S. Motor Car Co.
"HATFIELD"—Cortland Cart & Carriage Co.
"HAYNES"—Haynes Automobile Co.
"HUDSON"—Hudson Motor Car Co.
"HUPMOBILE"—Hupp Motor Car Corp.
"JEWETT"—Paige-Detroit Motor Car Co.
"JORDAN"—Jordan Motor Car Co.
"KING"—King Motor Car Co.
"KISSEL"—Kissel Motor Car Co.
"LEXINGTON"—Lexington Motor Co.
"LINCOLN"—Ford Motor Co.
"LOCOMOBILE"—Locomobile Co. of Am.
"McFARLAN"—McFarlan Motor Co.
"MARMON"—Nordyke & Marmon Co.
"MAXWELL"—Maxwell Motor Co.
"MERCER"—Mercer Motors Co.
"METEOR"—Meteor Motor Car Co.
"MOON"—Moon Motor Car Co.
"NASH"—Nash Motors Co., The
"OAKLAND"—Oakland Motor Car Co.
"OLDSMOBILE"—Olds Motor Works
"OVERLAND"—Willys-Overland, Inc.
"PACKARD"—Packard Motor Car Co.
"PAIGE"—Paige-Detroit Motor Car Co.
"PEERLESS"—Peerless Motor Car Co.
"PIERCE ARROW"—Pierce Arrow Motor Car Co.
"RAUCH & LANG"—Rauch & Lang.
"REO"—Reo Motor Car Co.
"REVERE"—Revere Motors Co.
"RICKENBACKER"—Rickenbacker Motor Co.
"ROAMER"—Roamer Motor Car Co.
"ROLLIN"—Rollin Motors Co.
"ROLLS-ROYCE"—Rolls-Royce of America.
"STANLEY"—Stanley Motor Car Co.
"STAR"—Star Motors, Inc.
"STEARNS"—Stearns F. B. Co.
"STERLING - KNIGHT" — Sterling-Knight Co.
"STEVENS - DURYEA" — Stevens-Duryea Motors.
"STUDEBAKER"—Studebaker Corp'n of America.
"STUTZ"—Stutz Motor Car Co. of America.
"TEMPLAR"—Templar Motor Car Co.
"VELIE"—Velie Motor Corp.
"WESTCOTT"—Westcott Motor Car Co.
"WILLS SAINTE CLAIRE"—Wills Sainte Claire.
"WILLYS - KNIGHT" — Willys-Overland, Inc.

323-4-5—Automobile Electrical Equipment

Chicago Fuse Mfg. Co., Laflin & 15th, Chicago, Ill. *See adv index at end of book*
METAL SPECIALTIES MFG. CO. ("Presto"), Dept. H, 338 N Kedzie av, Chicago, Ill.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

Automobile Hampers

See Baskets, Hampers & Touring Cases, Automobile

326— Automobile Oil Retainers

Bossert Corp. (The) (Valve Spring), cor Linden & West av, Utica, N. Y.
Cantrell-Miller Mfg. Co. ("C. & M."), 1246H Larkin, San Francisco, Cal.
Paddock Cork Co., 1209 De Kalb av, Brooklyn, N. Y.
Woodworth Specialties Co., 53 State, Binghamton, N. Y.

327— Automobile Panels

WEST VA. PULP & PAPER CO., (Pulp Products Dept.) (Embossed for auto trimming), 200 Fifth av, New York
See adv index at end of book

328—Automobile Parts & Fittings

See also the Special Article Required

American Die & Tool Co., Reading, Pa.
Am. Tube & Stamping Co. (Pressed Steel), Dept. H, Bridgeport, Conn.
Apco Mfg. Co., Providence, R. I.
Art Work Shop ("Superior" interior hdwe), 828 E Ferry, Buffalo, N. Y.
Arva Mfg. Co. (Propeller Shafts), Anderson, Ind.
Auto Ped Co. of Am. (Peds & Principal Parts), Thompson av & Arton, L. I. City, N. Y.
Automotive Gear Works ("Double Diamond"), 291 Marietta, Atlanta, Ga.
Babson Dow Mfg. Co. (special.), 60 Fulda, Boston, Mass.
Baker Gun & Forging Co., Batavia, N. Y.
Barney's Auto Parts Co. ("Barco"), 236 W 50th, New York
Belden Mfg. Co. (Gear Shift Ball Handles, Wiring Harness, Horn Wires & Lightning Wires), 2316 So. Western, Chicago, Ill.
Boesch Lamp Co., 962 Mission, San Francisco, Cal.
Bossert Corporation, The (Pressed to Order), cor Linden & West av, Utica, N. Y.
Bridges J. D. Co., Dept. H, Florence, S. C.
Brimm Leo J. Inc., 119 W. 63rd, New York.
Detroit Screw Works, 348 Franklin, Detroit, Mich.
Cincinnati Ball Crank Co. ("Balcrank"), N Oakley, Cincinnati, Ohio
Columbus Bolt Wks. Co., Water & Chestnut, Columbus, Ohio
Columbus Brass Co. (Aluminum Step Plates), 620 Dublin av, Columbus, Ohio
See adv index at end of book
Cushman Co., Inc., Champaign, Ill.
Dependable Mfg. Co. ("Dependable" Body & Fender Braces, Radiator Supports, Radiator Drainers, Windshield Ventilating Attachments, Chassis Brackets & Top Holders), 806 E Main, Streator, Ill.
Detroit Leather Works (Leather Only), 683 Lafayette av E, Detroit, Mich.
Dixie Brass & Foundry Co., Birmingham, Ala.
Drake J. A. & Son ("Jadson" Valves), Reedley, Cal.
Dunn Mfg. Co. ("Dunn"), 200 Main, Clarinda, Ia.
Dura Co. ("Dura" Body Equipment), Toledo, Ohio
Federal Gear Co. of Cleveland, Cleveland, Ohio
Federal Machine Products Co., Farnsworth & Beaufoit, Detroit, Mich.
FOXBORO COMPANY, THE ("Foxboro" Automobile Gauges), Foxboro, Mass.
See adv index at end of book
Hill-Smith Metal Goods Co. ("H. S."), 82 Brookline av, Boston, Mass.
Holan Metal Products Co. (Sheet Metal), N 40th & Clark av, Cleveland, Ohio
Jefferson Electric Mfg. Co., 426-430 S Green, Chicago, Ill.
JOHNSON BRONZE CO., New Castle, Pa.
Johnston Wm. R. Mfg. Co. ("Johnston"), 1300 Fletcher av, Chicago, Ill.
Kauffman Metal Products, Bellfontaine, Ohio
La Pierre H. M. Co. ("Dudie"), 1314 W 21st, Chicago, Ill.
Livermore Homer, Inc., 85 Pearl, Boston, Mass.
LUNKENHEIMER CO. (Lubricators & Fittings). Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
MacKay & Austin Inc. ("Mackay" Valves), Emeryville, Cal.
Man-Sherwood Supply Co., 1616 W 3rd, Cleveland, O.
Maskell J. H. Machine & Mfg. Co., 1421 E 40th, Cleveland, Ohio
Mann Mfg. Co., 454 Golden Gate av, San Francisco, Cal.
METAL SPECIALTIES MFG. CO. ("Presto" Lamp Sockets, Plugs & Switches), Dept. H, 338 N Kedzie av, Chicago, Ill.
Milwaukee Metal Working Co., 333 Clinton, Milwaukee, Wis.
Moon Machine Co., Muncie, Ind.
Morrison Steel Products, Inc., 26 E North, Buffalo, N. Y.
National Gauge & Equipment Co. (Instruments Only), La Crosse, Wis.
National Steel Products Co., Dayton, O.
NILES STEEL PRODUCTS CO., Niles, O.
See adv index at end of book

NILES STEEL PRODUCTS CO.
NILES, OHIO
Pressed Steel
Parts

Norwalk Auto Parts Co. (Brake Bands & Universal Couplings), Norwalk, O.
Oakes Co. (Stamped), Indianapolis, Ind.
Park Mfg. Co. ("Park" for Fords), 47H Lagrange, Worcester, Mass.
Peru Brass & Mfg. Co., Peru, Ind.
Peters Machine & Mfg. Co., 7320 Madison av, Cleveland, O.
Puritan Machine Co., Lafayette & 10th, Detroit, Mich.
Railway Specialty Co., Atchison, Kans.
Recording Devices Co., Dayton, Ohio
Rich Steel Products Co. ("R. S. P." Valves, Tappets & Pistons), Battle Creek, Mich.
Rich Tool Co. ("Rich" Valves & Tappets), Railway Exchange bldg, Chicago, Ill.
Ruckstell Sales & Mfg. Co. ("Ruckstell" 3-Speed Axles), 819 Snyder av, Berkeley, Cal.
Sherman-Klove Co., 4649 W Harrison, Chicago, Ill.
Simmons Mfg. Co. (Ford Parts), 3401 Perkins av, Cleveland, Ohio
Standard Automatic Products Co., Corry, Pa.
Standard Equipment Co., Lorain av & W 106th, Cleveland, O.
STANDARD STEEL TUBE CO., Toledo, O.
Stevenson Mfg. Co. (Wooden), South Bend, Ind.
See adv index at end of book
Superb Mfg. Co., Inc., Monticello, Ind.
Taylor Instrument Co's (Chargometers and Autoaltimeter), Rochester, N. Y.
Torrington Co. Standard Plant (Spokes & Nipples), Torrington, Conn.
See adv index at end of book
Van Dorn Iron Works Co. (The), 2700 E 79th, Cleveland, Ohio
See adv index at end of book
Vulcan Auto Parts Co., 2126 Race, Phila., Pa.
Wagner, E. R. Mfg. Co., North Milwaukee, Wis.
Warren Machine Products Co. (Gearing Transmission Axles), Warren, Pa.
Warshawsky & Co. (dlrs), 1915 S State, Chicago, Ill.
Washington Machy. & Supply Co. (Fly Wheel Bands), Division & O. W. R. & N. Tracks, Spokane, Wash.
See adv index at end of book
Waterbury Mfg. Co., Division Chase Co., Inc., Waterbury, Conn.
Wheel B. Top & Hardware Co., 127 E 8th, Cincinnati, O.
Williams J. H. & Co. (Forgings), 400 Vulcan, Buffalo, N. Y.
Willys-Morrow Co. Inc., Elmira, N. Y.
Worcester Stamped Metal Co., 9 Hunt, Worcester, Mass.
Zeigler Mfg. Co., Alexandria, Ind.

Automobile Sheet Metal Forms
See Stamping, Automobile

329-30—Automobile Steering Links
Cincinnati Ball Crank Co., North Oakley, Cincinnati, O.
Vahan Products Co., 73rd & St. Clair, Cleveland, O.

331—Automobile Tank & Muffler Parts
Geuder Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Holan Metal Products Co., N 40th & Clark av, Cleveland, O.
National Gauge & Equipment Co., La Crosse, Wis.
Zeigler Mfg. Co., Alexandria, Ind.

332—Automobile Tanks & Mufflers
See also Mufflers, Automobiles; also Tanks
Cedd, E. J. Co. (Tanks only), 700 S. Carolina, Baltimore, Md.
Geuder Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Holan Metal Products Co., N 40th & Clark av, Cleveland, Ohio
SCAIFE, WM. B. & SONS CO., 1st Natl. Bk. bldg, Pittsburgh, Pa.
See adv index at end of book

332a—Automobile Trimmings
DU PONT E. I. DE NEMOURS & CO. INC., Fabrikoid Div. ("Pontop" Top & Curtain Material), Newburgh, N. Y.
See adv index at end of book
Schlegel Mfg. Co., 277 N Goodman st, Rochester, N. Y.
Laidlaw Co. ("Laidlaw" Curtain Silks), 16 W 60th, New York
Omaha Auto Tap Co. ("Co. Zee") Omaha, Neb.

333—Automobiles (Juvenile)
Carolina Metal Co., Shelby, N. C.
Custer Specialty Co. (Electric & Gasoline), 28 N Ludlow, Dayton, O.

334— Automotoneers
Electric Service Supplies Co. ("Garton-Daniels," for Street Railway Controllers), 17th & Cambria, Phila, Pa.

334a— Auxiliaries (Marine)
Amer. Eng. Co. ("A. E. Co."), Dept. H, Aramingo & Cumberland, Phila., Pa.
GRISOM-RUSSELL CO. ("Reilly") 92 West, New York
See adv index at end of book
Mercantile Specialties Corp., 11 B'way, New York
Rix Compressed Air & Drill Co. (Air Compressors), 400-404 Fourth, San Francisco, Cal.

335— Awls (Belt)
Braunsdorf-Mueller Co., Elizabeth, N. J.
Greene, Tweed & Co. ("Lathrop's"), 109 Duane, New York
Kraeuter & Co., 583 18th av, Newark, N. J.
Manufacturers' Belt Hook Co. ("L-X", "Lothrop"), 1321 W. Congress, Chicago, Ill.
Mound Tool Co., 1203 S 7th, St. Louis, Mo.
Osborne C. S. & Co., Box 183 Newark, N. J.
See adv index at end of book
Stanley Rule & Level Co. ("Hurwood"), New Britain, Conn.
Stortz Jno. & Son, 210 Vine, Phila., Pa.
Swan James Co., Seymour, Conn.
Tuck Mfg. Co., Brockton, Mass.

336-7— Awls (Brad)
Braunsdorf-Mueller Co., Elizabeth, N. J.
Cincinnati Tool Co. ("Hargrave"), Main & Waverly av, Cincinnati, Ohio
Holt G. L. Co., 16 Sigourny, Hartford, Conn.
Mayhew H. H. Co., Shelburne Falls, Mass.
United Automotive Corp. ("Gould" Axle for Fords), 1115 19th av, Oakland, Cal.
U. S. Needle Concern (Carpenters'), 912 W Madison, Chicago, Ill.

338— Awls (Harness, Etc.)
Peg Sewing, etc.
Buck Bros., Millbury, Mass.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Dikeman Mfg. Co., Norwalk, Conn.
Lawton & Bushman ("Summers"), Burlington, Wis.
Mayhew H. H. Co., Shelburne Falls, Mass.
Millers Falls Co., Dept. H, Millers Falls, Mass.
Myers C. A. Awl Co. ("Wonderful" Sewing), 6316 University av, Chicago, Ill.
Osborne C. S. & Co., Box 183, Newark, N. J.
See adv index at end of book
Richard Stephen Co. (Peg Hafts), Southbridge, Mass.
Sargent & Co. (Peg), New Haven, Conn.
Stanley Rule & Level Co. ("Hurwood"), New Britain, Conn.
Thornton John Jr. ("John Nichol's" Imp), 85 Leonard, New York.
Tuck Mfg. Co., Brockton, Mass.
U. S. Needle Concern (Drawing), 912 W Madison, Chicago, Ill.
United Awl & Needle Co., West Medway, Mass.

Awls (Ice)
See Picks, Ice

339— Awls (Lime Hook)
Emrich Phil, 824 Main, Cincinnati, O.

340— Awls (Scratch)
Arcade Mfg. Co. (Wood Handle & "Serpentine"), Freeport, Ill.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Browne & Dowd Mfg. Co., Meriden, Conn.
Buck Bros. Millbury, Mass.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Bullock Mfg. Associates, Springfield, Mass.
Goodell-Pratt Co., Greenfield, Mass.
Jennings C. E. & Co. (Socket), 71 Murray, New York
Mayhew H. H. Co, Shelburne Falls, Mass.
Peck, Stow & Wilcox Co., Southington, Conn.
Plomb Tool Mfg. Co., 1119 Santa Fe, Los Angeles
Robinson M. W. Co. ("Robinson"), 296 B'way, New York
Sargent & Co., New Haven, Conn.
SMITH & HEMENWAY CO. INC. ("Red Devil"), 261 H, B'way, New York, & 130H, Colt, Irvington, N. J.
See adv index at end of book
Stanley Rule & Level Co. ("Hurwood"), New Britain, Conn.
Stortz Jno. & Son, 210 Vine, Phila., Pa.
Tuck Mfg. Co., Brockton, Mass.
Wells Corporation, The ("Williamsburg"), 15 Arch, Greenfield, Mass.
See adv index at end of book

341— Awning Fixtures
Hettrick Mfg. Co., Toledo, Ohio
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Roe Justus & Sons ("Roe's" Roller), **Patchogue, N. Y.**
Wilcox Crittenden & Co. Inc., 444 S Main, Middletown, Conn.
See adv index at end of book

342— Awning Fixtures (Blind)
Parker Wire Goods Co., 149 Washington, Worcester, Mass.
Washburn Company (Wire Goods Div.) ("North"), 28 Union, Worcester, Mass.

343— Awning Stripes
Atlanta Tent & Awning Co. Atlanta Ga.
Barrell, Wm. L. Co., 50 Leonard, New York
CARPENTER & CO. GEO. B., 434 N Wells, Chicago
See adv index at end of book
Columbian Mfg. Co., Greenville, N. H.
Falls Co., Norwich, Conn.
Gary James S. & Son, American bldg, Baltimore, Md.
Glen Raven Cotton Mills, Glen Raven, N. C.
Hettrick Mfg. Co., Toledo, O.
HUMPHRYS' R. A. SONS, 1024 Callowhill, Phila., Pa.
See adv index at end of book
Kneedler & Co., Eadom & Kennedy, Phila., Pa.
Mt. Vernon-Woodberry Mills, Inc., Cont bldg, Baltimore, Md.
Otis Co., Ware, Mass.
Stanley Wm. W. ("Victor"), 62 White, New York
Texas Cotton Mill Co., McKinney, Tex.
Thorndike Co., Thorndike, Mass.
Whitaker Wm. D., Cedar Grove, Phila., Pa.
White Bros., Winchendon Springs, Mass.

344—Awnings (Cast Iron & Steel)
Bethlehem Shipbuilding Corporation, Ltd., Bethlehem, Pa.
Cincinnati Iron Fence Co., 3312 Spring Grove av, Cincinnati, Ohio
See adv index at end of book
Harry O K Steel Co. (Steel), 2333 Papin, St. Louis, Mo.
Lasar Mfg. Co., 1313 N 16th, St. Louis, Mo.
SMITH F. P. WIRE & IRON WORKS, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book

345-6—Awnings (Corrugated Steel)
See also Cornices & Skylights
Chattanooga Roofing & Foundry Co., Chattanooga, Tenn.
Decatur Cornice & Roofing Co., New Decatur, Ala.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
Eller Mfg. Co., 1200 Camden S W, Canton, O.
Gara-McGinley Co., 218 N 18th, Phila, Pa.
Globe Iron Roofing & Corrugating Co., Newport, Ky.
Harry O. K. Steel Co., 2333 Papin, St. Louis, Mo.
Harry O. K. Steel Works, Dallas, Tex.
Holzer R. G. (Est. of), 317 Burgundy, New Orleans, La.
Hyndman Roofing Co., 318 E 2d, Cincinnati, O.
Illinois Art Metal Co., Springfield, Ill.
International Steel & Iron Co., 1243 Edgar, Evansville, Ind.
Martin Metal Mfg. Co., Wichita, Kans.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Mesker Geo. L. & Co., Evansville, Ind.
Milwaukee Corrugating Co., Milwaukee, Wis.
Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, Ohio
See adv index at end of book
New Orleans Roofing & Metal Co. ("Nola") Cortez & Orleans, New Orleans, La.
Newport Rolling Mill Co., Newport, Ky.
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Penn Metal Co., 65A Franklin, Boston, Mass.
Porter Iron Roofing & Corrugating Co., 418 Culvert, Cincinnati, Ohio.
Republic Structural Iron Works Co., 1350 E 53rd, Cleveland, O.
St. Louis Wire & Iron Co., 926 Chouteau av, St. Louis, Mo.
Stewart Iron Works Co. (Inc), 238 Stewart blk, Cincinnati, O.
See adv index at end of book
Stoneman M. G. & Son, Albany, N. Y.
Sykes Co., 930 W 19th pl, Chicago, Ill.
Trumbull Steel Co., Warren, O.
Whitaker-Glessner Co. (Wheeling Corrugating Dept.), Corrugated Sheets Only), Wheeling, W. Va.

Awnings & Tents
See Tents, Contractors

347— Axe Mfrs.
American Axe & Tool Co., Glassport, Pa.
C. A. C. Axe Co., Holbrook, Mass.
Colclesser Bros., El Dorado, Pa.
Collins Co., Collinsville, Conn.
Damon Bros., Carmel, Me.
Dunn Edge Tool Co. ("Clipper," "Black Champion," "Aroostookaxe," "Victory," "Peerless," "Eaton" Patent Process, etc), Oakland, Me.
Emerson & Stevens Mfg. Co., Oakland, Me.
Evansville Tool Works, 701 Maryland, Evansville, Ind.
Hammond C. & Son, Ogontz, Pa.
Kelly Axe Mfg. Co. ("Kelly Perfect," "Flint Edge," "Vulcan"), Charleston, W. Va.
King John, Oakland, Me.
Louisville Axe & Tool Co., Highland Park, Ky.
McKinnon Rockaway Axe Co., Rockaway, N. J.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Mann Edge Tool Co., Lewistown, Pa.
Mann Jas. H. Co., Lewistown, Pa.
Marble Safety Axe Co., Gladstone, Mich.
North Wayne Tool Co. (Hand-made), Hallowell, Me.
Peavey Mfg. Co. ("Peavey" Chopping, Stamp Pole, Hunting, Last Block & Splitting, etc), Bangor, Me.
Peck, Stow & Wilcox Co., Southington, Conn.
Plumb Fayette R. (Inc.), ("Anchor"), 4837 James, Fkd, Phila., Pa.
Reading Saddle & Mfg. Co., Reading, Pa.
Rixford Mfg. Co., East Highgate, Vt.
Romer Axe & Tool Co. ("Romer"), Dunkirk, N. Y.
Rubinow Edge Tool Works, 35 Vesey, Newark, N. J.
Warren Axe & Tool Co. ("Sager"), Warren, Pa.
Weston Thos. B., 703 Light, Baltimore, Md.
What Cheer Tool Co. ("What Cheer"), What Cheer, Ia.
White G. Axe Co., Honesdale, Pa.
Winchester Repeating Arms Co. ("Winchester"), 275 Winchester, New Haven, Conn.
Witham G. S. & Son, Caratunk, Me.

348— Axes (Boys')
American Axe & Tool Co. ("Blood's Champion," "Usona," "Red Warrior," "Hurd," "Americanax," "Niagara," "Red Ridge," "Hubbard"), Glassport, Pa.
Evansville Tool Works, 701 Maryland, Evansville, Ind.
Mann Edge Tool Co. ("Diamond," "Red Top," "Mann's"), Lewiston, Pa.
Plumb Fayette R. (Inc.), ("Anchor"), 4837 James, Phila., Pa.
Romer Axe & Tool Co. ("Faultless" "Lake City" "Romer" "Uncle Sam"), Dunkirk, N. Y.
Rubinow Edge Tool Works ("Empire," Republic"), 35 Vesey, Newark, N. J.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

349— Axes (Broad)
American Axe & Tool Co. ("Champion," "Diamond A," "Peerless," "Red Warrior," "Underhill," "Hurd," "Hunt"), Glassport, Pa.

Collins Co., Collinsville, Conn.
Evansville Tool Works, Evansville, Ind.
Kelly Axe Mfg. Co. ("Kelly Perfect," "Flint Edge," "Vulcan"), Charleston, W. Va.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Mann Edge Tool Co., Lewistown, Pa.
Peavey Mfg. Co., Bangor, Me.
Plumb Fayette R. (Inc.), ("Anchor"), 4837 James, Phila., Pa.
Romer Axe & Tool Co. ("Romer," Handled), Dunkirk, N. Y.
White L. & I. J. Co., 120 Columbia, Buffalo, N. Y.

350— Axes (Firemen's)

American Axe & Tool Co. ("Hurd," "Blair," "Lippincott," "Underhill"), Glassport, Pa.
Collins Co., Collinsville, Conn.
Evansville Tool Works, 701 Maryland, Evansville, Ind.
Hayward S. F. & Co., 250 W 54th, New York
Kelly Axe Mfg. Co. ("Kelly Perfect," "Flint Edge," "Vulcan"), Charleston, W. Va.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Mann Edge Tool Co. ("Mann's"), Lewistown, Pa.
Rex-Harris Fire Appliance Co., 310 W 39th, New York
Romer Axe & Tool Co. ("Romer" Handled), Dunkirk, N. Y.
Safety Fire Extinguisher Co., 295 7th av, New York
Warren Axe & Tool Co. ("Sager"), Warren, Pa.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

351— Axes (Hunters')

American Axe & Tool Co. ("Americanax," "Hurd," "Blood," "Duquesne," "Hunt," "Underhill," "Redridge," "H. T. Miller's"), Glassport, Pa.
C. A. C. Axe Co. ("Damascus"), Holbrook, Mass.
Collins Co., Collinsville, Conn.
Dunn Edge Tool Co., Oakland, Me.
Evansville Tool Works, 701 Maryland, Evansville, Ind.
Grey Iron Casting Co., Mt. Joy, Pa.
Mann Edge Tool Co. ("Mann's"), Lewistown, Pa.
Marble Arms & Mfg. Co. ("Marble's" Handy, for Hunters, etc), Gladstone, Mich.
Peck, Stow & Wilcox Co., Southington, Conn.
Plumb Fayette R. (Inc.) ("Anchor"), 4837 James, Phila., Pa.
Reading Saddle & Mfg. Co., Reading, Pa.
Romer Axe & Tool Co. ("Romer," Handled), Dunkirk, N. Y.
Rubinow Edge Tool Works ("Empire," "Republic"), 35 Vesey, Newark, N. J.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Williams A. C. Co. (Cast Iron Only), Ravenna, Ohio
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

352— Axes (Ice)

American Axe & Tool Co. ("Underhill"), Glassport, Pa.
Collins Co., Collinsville, Conn.
Creamery Package Mfg. Co., 61 W Kinzie, Chicago, Ill.
Dernell H. F. Co., Athens, N. Y.
Evansville Tool Works, 701 Maryland, Evansville, Ind.
Romer Axe & Tool Co. ("Romer" Handled), Dunkirk, N. Y.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Stortz John & Son, 210 Vine, Phila., Pa.
Warren Axe & Tool Co. ("Sager"), Warren, Pa.

353— Axes (Stone)

Anderson, W. H., Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Beall Bros., Alton, Ill.
Evansville Tool Works, 701 Maryland, Evansville, Ind.
Iron City Tool Works (Ltd.), 3201 Smallman, Pittsburgh, Pa.
Klein-Logan Co., 13th & Breed, Pittsburgh, Pa.
Oliver Iron & Steel Co., S. 10th & Muriel, Pittsburgh, Pa.
Stanley Rule & Level Plant (Altha Div.), New Britain, Conn.
Vogl Tool Co., 912 E 19th, Kansas City, Mo.
Warren Tool & Forge Co. (also with Teeth), 145 Griswold, Warren, Ohio.
See adv. Index at end of book
Warwood Tool Co., 19th, Warwood, Wheeling, W. Va.

354-5— Axes (Tobacco)

Bicknell Mfg. & Supply Co., Janesville, Wis.
Mann Edge Tool Co. ("Mann's"), Lewistown, Pa.

Axle Lights (Electric)

See Car Lighting Apparatus

356— Axes (Automobile)

See also Axles, Carriage & Wagon; also Wheels & Axles, Ball & Roller Bearings

Allegheny Forging Co., Keenan bldg, Pittsburgh, Pa.
Bethlehem Steel Co., Bethlehem, Pa.
Billings & Spencer Co., Hartford, Conn.
Central Machine Works, 930 N. Howard, Spokane, Wash.
Columbia Axle Co., 826 E 72d, Cleveland, O.
Commercial Drop Forge Co. (Rough), Warren, Pa.
Covert Motor Vehicle Co., Lockport, N. Y.
Driggs-Seabury Ordnance Co., Sharon, Pa.
Eaton Axle & Spring Co., Central and 65th, Cleveland, Ohio.
Empire Axle Co. (For Motor Trucks), Dunkirk, N. Y.
Flint Motor Axle Co. ("Flint"), Flint, Mich
Gill P. H. & Sons, 2 Lorraine, Brooklyn, N. Y.
Higgins Spring & Axle Co. (Truck & Trailers), Racine, Wis.
Heb L. Smelting & Refining Co., 1250 W 8th, Cincinnati, O.
Joliet Forge Co., Dept. H, Irving & Franklin, Joliet, Ill.
Kropp Forge Co. (and Motor Truck), 5301 Roosevelt rd, Chicago
See adv index at end of book
Liggett Spring & Axle Co., Monongahela, Pa.
Martin Rocking Fifth Wheel Co. (Floating Bearing Trailer), 21 Besse pl., Springfield, Mass.
National Tube Co. ("Shelby" Seamless Steel Tubing), Frick bldg, Pittsburgh, Pa.
Ohio Forge Co. (Rough Only), Cleveland, O.
Park Drop Forge Co. (Steel), 760 E 79th, Cleveland, O.
Parker Axles Inc., 55 Market, Poughkeepsie, N. Y.
Richards Albert J., 632 W Jefferson, Louisville, Ky.
Ruckstell Sales & Mfg. Co. ("Ruckstell" 2 Speed Axles), 819 Snyder av, Berkeley, Cal.
Salisbury Axle Co., Inc. (Wheels & Axles), Jamestown, N. Y.
Sheldon Axle & Spring Co. (Motor Truck), Wilkes-Barre, Pa.
Thomasville Iron Work, Inc., Thomasville, Ga.
Timken-Detroit Axle Co., Clark av, Detroit, Mich.
Transue & Williams Steel Forging Corp., Alliance, O.
Union Drop Forge Co., 1746 N. Kostner av, Chicago, Ill.
Union Switch & Signal Co., Swissdale, Pa.
U. S. Axle Co. ("U. S."), Pottstown, Pa.
Vanadium Metals Co., Vanadium bldg, Pittsburgh, Pa.
Warren Machine Products Co., Warren, Pa.
Western Drop Forge Co., P. O. Box 386, Marion, Ind.
Western Tool & Forge Co. (Forged), Brackenridge, Pa.
Weston-Mott Co., Flint, Mich.
Williams J. H. Co. (Front and Rear Forgings), 400 Vulcan, Buffalo, N. Y.
Willys Morrow Co., Inc. (Front & Rear), Dept. H., Elmira, N. Y.
Wyman-Gordon Co. (Front & Rear for Pleasure & Commercial), 105 Madison, Worcester, Mass.

Axles (Ball or Roller Bearing)

See Wheels & Axles, Ball or Roller Bearing

357—Axles (Car & Locomotive)

See also Axles, Mine Car; also Axles, Street Car

Allegheny Forging Co., Keenan bldg, Pittsburgh, Pa.
American Car & Foundry Co. (Car, Locomotive & Mine Car), Syndicate Trust bldg, St. Louis, Mo.
Atlas Car & Mfg. Co. (Car Only), Cleveland, O. *See adv index at end of book*
Bass Foundry & Machine Co. (Iron & Steel Car, Driving, etc), Fort Wayne, Ind.
Bethlehem Steel Co. (Nickel Steel, Car, Locomotive & Truck, etc.), Bethlehem, Pa.
Boston Forge Co. (Tender, Truck & Driving), E. Boston, Mass.
Bradley Osgood Car Co., Worcester, Mass.
Camden Forge Co. (Locomotive), Camden, N. J.
Carnegie Steel Co. (Car, Locomotive, etc), Carnegie bldg., Pittsburgh, Pa.
Eaton Axle & Spring Co., Central and 65th, Cleveland, Ohio.
Empire Axle Co. (Rear Worm Drive for Motor Trucks), Dunkirk, N. Y.
Griffin Wheel Co., 332 S Michigan av, Chicago, Ill.
Illinois Steel Co., 208 S La Salle, Chicago, Ill.
Johnson J. R. & Co., Richmond, Va.
Joliet Forge Co., Irving & Franklin, Joliet, Ill.
Jones & Laughlin Steel Co. (Cold Rolled Steel), Ross, Pittsburgh, Pa.
Kilby Car & Foundry Co., Anniston, Ala.
Kropp Forge Co. 5301 Roosevelt rd, Chicago
See adv index at end of book
Laclede Steel Co., Arcade bldg, St. Louis, Mo.
Liggett Spring & Axle Co., Monongahela, Pa.
McMyler-Interstate Co. (The), Cleveland, Ohio *See adv index at end of book*
Maclede Steel Co., Arcade bldg, St. Louis, Mo. Forge Wks., E St. Louis, Ill.
Marks & Fiske, 1316 Dime Bank bldg, Detroit, Mich.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
Pennsylvania Casting & Machine Co. (Industrial Car), 501 Preble, Pittsburgh, Pa.
Philadelphia Steel & Forge Co., 50 Church, New York
Pittsburgh Crucible Steel Co. (Steel), Midland, Pa.
Pittsburgh Forge & Iron Co. (Locomotive, Car, etc), Chamber of Commerce bldg, Pittsburgh, Pa.
Pollack Steel Co. (Car, Locomotive & Driving), 336 W 71st, Carthage, Cincinnati, Ohio
Pressed Steel Car Co. (Electric & Steam Railway Car, Industrial & Mine), 307 5th av, Pittsburgh, Pa.
Sanford-Day Iron Works (Car), Knoxville, Tenn.
Standard Forgings Co., 80 E Jackson blvd, Chicago, Ill.
Standard Steel Works Co. (Locomotive), Morris bldg, Phila., Pa.
Union Iron Works (Car), Hoboken, N. J.

358—Axles (Carriage & Wagon)

See also Axles, Automobile

American Axle Works, 12th & Montgomery av, Phila., Pa.
Bailey S. R. & Co. (For Own Use), Amesbury, Mass.
Campbell & Dann Mfg. Co., Tullahoma, Tenn.
Concord Axle Co. (& Wagon, also Brown's Roller Bearing Axles), Penacook, N. H.
Drummond Mfg. Co., Louisville, Ky.
Electric Wheel Co. (Wagon, Axles only), Station D., Quincy, Ill.
See adv index at end of book
Gardner E. J. Axle & Machine Co., Carlisle, Pa.
Hay, Houston Axle Co., Coshocton, O.
Higgins Spring & Axle Co., Racine, Wis.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Keagy & Lear Machine Co., Coshocton, O.
Liggett Spring & Axle Co., Monongahela, Pa.
Meeker Mfg. Co. (Ball Bearing), Dayton, Ohio
Mott Wheel Works, Jackson, Mich.
National Tubular Axle Co., Emigsville, Pa.
St. Louis Axle Co., 2626 La Salle, St. Louis, Mo.
Sheldon Axle & Spring Co. ("Anchor," "Dragon," "Empire," "Ton-Don," Ball Bearing), Wilkes-Barre, Pa.
Union Drop Forge Co., 358 W Grand av, Chicago, Ill.
Wood, Smith & Co., Chicago Heights, Ill.
Wurster F. W. & Co., 375 Kent av, Brooklyn, N. Y.

359—Axles (Children's Carriage)

Wagner E. R. Mfg. Co., North Milwaukee, Wis.

360— Axles (Mine Car)

See also Axles, Car & Locomotive; also Wheels, Mine Car

Allegheny Forging Co., Keenan bldg, Pittsburgh, Pa.
American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Atlas Car & Mfg. Co., Cleveland, O.
See adv index at end of book
Driggs-Seabury Ordnance Co., Sharon, Pa.
Fleming J. R. & Son Co., Green Ridge and Meylent av, Scranton, Pa.
Gustafson Mfg. Co., 211 W 26th, Chattanooga, Tenn.
Irwin Foundry & Mine Car Co., Irwin, Pa.
Kropp Forge Co. 5301 Roosevelt rd, Chicago
See adv index at end of book
Laclede Steel Co., Arcade bldg, St. Louis, Mo.
Pennsylvania Carting & Machine Co., (& Mine Locomotive), 501 Preble, Pittsburgh, Pa.
Pittsburgh Ridge & Chateau Knife & Forge Co., 709 Belmont, Pittsburgh, Pa.
Pollak Steel Co., The, 336 W 71st, Carthage, Cincinnati, O.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Sanford-Day Iron Works, Knoxville, Tenn.
Standard Forgings Co., 80-H East Jackson, Chicago, Ill.
United Iron Works, Inc., Kansas City, Mo.
Vulcan Iron Works, Wilkes-Barre, Pa.
Watt Mining Car Wheel Co., Barnesville, Ohio
Western Steel Car & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.
Wilkes-Barre Iron Mfg. Co., Wilkes-Barre, Pa.

360a— Axles (Motor Bus)

Kropp Forge Co. 5301 Roosevelt rd, Chicago
See adv index at end of book

Axles (Roller Bearing)

See Wheels & Axles, Ball or Roller Bearing

361— Axles (Steel Truck)

Eaton Axle & Spring Co., Central and 65th, Cleveland, Ohio.
ELECTRIC WHEEL CO., Station D, Quincy, Ill.
See adv index at end of book
Heller, P. A. & Sons, 213 State, Detroit, Mich.
Williams, J. H. Co. (Automobile drop-forged), 400 Vulcan, Buffalo, N. Y.

362— Axles (Street Car)

See also Wheels, Street Car; also Trucks, Car, Steam & Electric
American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Bass Foundry & Machine Co., Fort Wayne, Ind.
Bethlehem Steel Co., South Bethlehem, Pa.
Bradley Osgood Car Co., Worcester, Mass.
Brill J. G. Co., 62nd & Woodland av, Philadelphia, Pa.
Camden Forge Co., Camden, N. J.
Carbon Steel Co., ft of 32nd, Pittsburgh, Pa.
Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
Griffin Wheel Co., 332 S Michigan av, Chicago, Ill.
Illinois Steel Co., 208 S La Salle, Chicago, Ill.
Kropp Forge Co., 5301 Roosevelt rd, Chicago
See adv index at end of book
Laclede Steel Co., Arcade bldg., St. Louis, Mo.
Pittsburgh Forge & Iron Co. (Hammered), Chamber of Commerce bldg, Pittsburgh, Pa.
Pollak Steel Co., The, 386 W 71st, Carthage, Cincinnati, O.
St. Louis Car Co., 8000 N Broadway, St. Louis, Mo.
Sizer Forge Co., 238 Larkin, Buffalo, N. Y.
Standard Forgings Co., 80 E Jackson blvd, Chicago, Ill.
Standard Steel Works Co., Morris bldg, Phila., Pa.
Taylor Electric Truck Co., ("Taylor" forged), Troy, N. Y.

362a— Axles (Tractor)

Kropp Forge Co. 5301 Roosevelt rd, Chicago
See adv index at end of book
Pollak Steel Co., The, 386 W 71st, Carthage, Cincinnati, O.

362b— Axles (Trailer)

Bethlehem Steel Co., Bethlehem, Pa.
Standard Forgings Co., 80-H East Jackson blvd, Chicago, Ill.

363— Axles (Vanadium Steel)

Williams J. H. Co. (Drop Forged), 400 Vulcan, Buffalo, N. Y.

364—Axles & Shafts (Hollow)

Bay City Forge Co., 1820 Cranberry, Erie, Pa
Bethlehem Steel Co., South Bethlehem, Pa.
Driggs-Seabury Ordnance Co., Sharon, Pa.
Laclede Steel Co., Arcade bldg., St. Louis, Mo.
Pollack Steel Co., 386 W. 71st, Carthage, Cincinnati, Ohio
Sizer Forge Co., 238 Larkin, Buffalo, N. Y.

365— Azotine

White Thos. H. & Co. (Brokers), 11 S Gay, Baltimore, Md.
Wuichet Fertilizer Co., Dayton, O.

366— Babbitt Metal

See also Bearings of Various Kinds

ALABAMA.

BIRMINGHAM—Ajax Metal Co. (of the South)
MONTGOMERY — Janney & Company Janney & Co. (Monarch Ball)

CALIFORNIA.

LOS ANGELES — Los Angeles Smelting Co., 739 N Main
Morris, J. Leslie, Co. (Moroloy), 1515 Mateo,
Super-Refined Metals Corp. ("Kelmet"), 315 W av 33
Union Smelting & Refining Trust ("Bear Brand"), 648 Laura
Wigmore Jno. & Sons Co. ("Velvet"), 401 E. 4th.
OAKLAND—Electro Smelting & Alloy Co., 1111 E 11th
SAN FRANCISCO—Am. Smelters Securities Co., 201 1st, San Francisco, Cal.
Atlas Brass Works, 612 Bryant.
Electric Smelting Corp., 450 Main
Finn Jno. Metal Works, 384 2d
Garratt W. T. & Co., 299 Fremont
Gorman Metal Co. ("Gorco"), 785 Bryant
Great Western Smelting & Refining Co., 75 Folsom
Magnolia Metal Co., 431 Bryant, San Francisco, Cal.
National Smelting Co., 16th & Texas
Pacific Metal Works ("Iridium"), 153 First

COLORADO.

DENVER—Wensley Metal Products Co.
TRINIDAD—Trinidad Foundry & Machine Works

CONNECTICUT.

BRIDGEPORT — Bridgeport Deoxidized Bronze & Metal Co., 455 Iranistan av
Jacob Bros., 1240 Seaview av
Sanford David C. Co., 89 Drouve
EAST BERLIN—Stanley Chemical Co. (Lead & Tin Base)
NEW HAVEN—Graham Jas. & Co.
United Smelting & Aluminum Corp. ("U. S. A. Havabar," "U. S. A. Long Life," "U. S. A. Lodestan," "U. S. A. Special," "U. S. A. Elm City"), 183-189 Commerce

GEORGIA.

ATLANTA—Cotton States Belting & Supply Co.

ILLINOIS.

AURORA—Aurora Metal Co. (Brand "R. R.")
CHICAGO—Birkenstein S. & Sons, 1056 W North av
Blatchford E. W. Co., 230 N Clinton
Channon H. Co. ("Onoko"), 150 N Market
Chicago Journal Bearing Co., 519 W Vanburen
Chicago Smelting & Refining Co., 25th & Loomis, Chicago, Ill.
Eagle Picher Lead Co. ("E. P."), 208 S. La Salle
GARDINER METAL CO., 1364 W Lake
Great Western Smelting & Refining Co., 4100 Wallace
Gump B. F. Co., 431 S Clinton
Hewitt Co., Railway Exchange Bldg.
Illinois Smelting & Refining Co., 410 N Peoria
Kramer H. & Co., Loomis & 21st pl
Merchant & Evans Co. (of Philadelphia, Pa.), 347 Sheldon
Monarch Metal Co., 119 S Lincoln
Murphy Metal Co., 327 S La Salle,
Raymond Lead Works (Aluminum Copper, etc.), 735 S Washtenaw av
Ryerson Jos. T. & Son, Inc., 2558 W 16th
See adv index at end of book
Sandoval Zinc Co., 410 N Peoria
U. S. Ball Bearing Mfg. Co., ("Strom"), 4659 Palmer
West Side Metal Refining Co., 2917 La Salle

INDIANA.

EAST CHICAGO—U. S. Reduction Co. ("Advance")
HAMMOND—Metals Refining Co., Inc., Hump. rd
INDIANAPOLIS—Zenite Metal Co.
MISHAWAKA—Dodge Mfg. Corp.

KANSAS.

KANSAS CITY—Badger Gas & Gasoline Engine Co.

KENTUCKY.

LOUISVILLE—Belknap Hdw. & Mfg. Co.

LOUISIANA.

NEW ORLEANS—Woodward, Wight & Co., Ltd. ("Strength & Wear"), Howard av & Constance

MARYLAND.

BALTIMORE—Maryland Brass & Metal Works), Calvert & Federal
Merchant & Evans Co. (of Phila., Pa.), 232 St. Paul
Schultz A. G. & Co. ("Eureka"), 5 N Green

MASSACHUSETTS.

BOSTON—Blaney Cyril C., 16 Kingston
Chadwick-Boston Lead Co., 162 Congress
Eastern Metal & Refining Co., 121 Beverly
Herrick Co., 49 Broad
Richards & Co., ("Richards"), 192 Beverly
Star Refining Co., 116 W First
FITCHBURG—Hardy William A. & Sons Co. ("S. S." Metal), 113 Water
Welch E. J. & Co.
LAWRENCE—Gallison F. L.
WALTHAM—Waltham Foundry Co.

MICHIGAN.

DETROIT—General Aluminum & Brass Mfg. Co., 2512 E Grand blvd
Jacobson I. M. & Sons Co. ("Motex"), 70 Catherine
Magnus Co., 945 Griffin
Michigan Smelting & Refining Co. (Bearing Metal), 7881 Jos. Campau av
See adv index at end of book
Mogul Metal Co., 535 Larned W., Dept. H.
Muzzy-Lyon Co., Ltd., 11031 Shoemaker
Super Refined Metal Co. ("S. R."), 2631 Woodward av.
Wing J. T. & Co., 19 Woodward av
GRAND RAPIDS—Hayden J. M. Co. ("Globe")
KALAMAZOO—New Era Mfg. Co. ("New Era" White Bronze)

MINNESOTA.

DULUTH—Duluth Brass Works Co. (Round & Hexagon Stick Brass & Specialty)
ST. PAUL—Northwestern Shot & Lead Works, 90 Fairfield av W

MISSOURI.

KANSAS CITY—Merchant & Evans Co. of Phila., Pa.), 2008 Baltimore av
Rogers Metal Works ("Rogers Nickel A," "Rogers Nickel," "Rogers Extra," "Rogers Special," "Rogers Star No. 1," "Rogers Star No. 2"), 2123 Jefferson
ST. LOUIS—Eureka Brass Co., 601 Red Bud av
Gilbert A. & Sons Brass Foundry Co. ("C" Nickel, "I" Anti-Friction), 4019 Forest Park blk
Hiertz Theo. Metal Co. ("Nonpariel"), Alaska & Tesson
Hoyt Metal Co., Boatmen's Bank bldg
More-Jones Brass & Metal Co. ("Hoo-Hoo," "Universal," "Nickel" Aluminum, Extra, "Motor," "Armature," "Improved," "Crescent," "Red," "Regent"), B'way & Dock
Rumsey L. M. Mfg. Co., 4372 Westminster

NEW JERSEY.

BELLEVILLE—Eastwood Wire Mfg. Co. ("Perfection")
Canfield M. C. Sons Co., 93 Wilsey, Newark, N. J.
GLEN RIDGE—Benson H. K. & F. S. ("B. & M.")
HARRISON—Allan A. & Son ("Allan" Red Anti-Friction Metal), 6th & Bergen
HOBOKEN—Lehman Bros.
JERSEY CITY—Brady Brass Co. ("Cyprus"), 170 14th
Williams E. A. & Son, 109 Plymouth
NEWARK — Union Smelting & Refining Co. ("Usarco," "Record," "Union Special," "Union Economy," "Copper-Hardened," "Armature," "Naval Nickel"), St. Charles
RIVERSIDE—Riverside Metal Co.

NEW YORK.

BUFFALO—LUMEN BEARING CO. ("Stanum," "Lotus," "Aristocrat," "Old Genuine," "Buffalo," "Yankee," "Lubeco," "Cosmo," "Leantin," "Number Four.")
See adv index at end of book
LOCKPORT—Electric Smelting & Aluminum Co.
MT. VERNON—Mt. Vernon Die Casting Corp.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Belmont Smelting & Refining Works, Inc. (Belmont Brand—All grades), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book

BABBITT METALS
GENUINE, COPPER-HARDENED
MOTOR, ANTI-FRICTION
MARINE, MASTER, COMMERCIAL No.4
SPECIAL FORMULAS
BELMONT SMELTING & REFINING WORKS, Inc.
Gen'l Office: 328 Belmont Ave., Brooklyn, N. Y.

Brooklyn Alloys Co., 17 Walton
Continental Metal Co., 134 St. Felix
Fidelity Metal Co., 192 Diamond
Kahn Bros. ("Reliable"), 785 Humboldt
McLaughlin's Sons Co., 234 N 12th
United American Metals Corp. ("Syracuse," "Stanley Process"), 192 Diamond

Boroughs of Manhattan and Bronx.

NEW YORK—Am. Smelting & Refining Co., 120 Broadway
Balbach Smelting & Refining Co., 280 Broadway
Bronze Metal Co., 30 Church
Brown Paul R. Company ("Champion," "Hercules," "Tip Top"), 101 Warren
Columbia Smelting & Refining Works, 366 West
Eagle Smelting & Refining Works, 233 Broadway
Fahrig Metal Co. ("Fahrig" Anti-Friction), 26 Renwick
Hungerford, U. T., Brass & Copper Co. ("Star," "Navaloy"), 86 Lafayette
Lubricating Metal Co. ("Noheet"), 565 5th av

MAGNOLIA ANTI-FRICTION METAL

Lowest frictional coefficient by U. S. and French Government tests



Runs cool with little lubricant and is well adapted to extraordinary speeds and loads. Melts and pours well, and is easily pressed and scraped in. Sold in ingots and cored bars, the latter for avoiding pattern and casting costs on small bearings.

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MAGNOLIA METAL COMPANY

113 Bank Street New York

Chicago, Fisher Bldg. San Francisco, 358 Bryant St. Montreal, 37 Shannon St.

Magnolia Metal Co. ("Adamant," "Defender," "Mystic," "Kosmic," "Pyramid," "Dinamo"), 113 Bank.
See adv index at end of book
Merchant & Evans Co. (of Phila., Pa.), 242 Water
Nassau Smelting & Refining Works ("Edison" & "Monarch"), 603 W 29th
National Lead Co. ("Dutch Boy Phoenix"), 111 B'way
North American Copper Co., 52 Vanderbilt av, New York
Post E. L. & Co. ("Post's Zero"), 50 Cliff
United Lead Co., 100 E 42nd

Borough of Queens.

LONG ISLAND CITY—Central Smelting & Refining Co., Borden av & Hayward
Leddell Metals Co. ("Bee"), 281 Borden av
Lissberger Marks & Son ("Semper Idem," "Bestmetal,," "Everlasting," Improved Anti-Friction, "Competitor," "Star"), 281 Borden av

(End of New York City)

ROCHESTER—Rochester Lead Works
Wray Henry & Son
SYRACUSE—Empire Metal Co.

OHIO.

CINCINNATI—Edna Brass Mfg. Co. ("Porteous," Grafite), 525 Reading rd
National Lead Co. (of New York), 659 Freeman av
Wolff L. A. Metal Works, 1259 Harrison av
Wolff Metal Co., 1803 John
CLEVELAND—Cleveland Alloys Co. ("Prize Ribbon," "Golden Grain," "Sham-Rock," "Velvet," "Nugget," "Lucky Strike"), Elm & Superior
Merchant & Evans, 315 Champlain av
National Copper & Smelting Co., 1895 Coltman rd
National Lead Co., 820 Superior
COLUMBUS—Atlas Brass Foundry Co., 980 S. Park.
Ohio Metal Co. ("Betarbest"), 1137 N. 4th.
DAYTON—Buckeye Iron & Brass Works (High Grade)
ELYRIA — Am. Crucible Products Co. ("Promet")

OREGON.

PORTLAND—Multnomah Metal Wks.
Pacific Metal Works

PENNSYLVANIA.

CHESTER—Crown Smelting Co.
CONNELLSVILLE—Riverside Metal Refining Co. (Bessemer, "U. S. Standard").
EAST PITTSBURGH—Westinghouse Electric & Mfg. Co.
See adv index at end of book
ERIE—Erie White Metal Co.
LANCASTER—Raub Supply Co.
MANHEIM—Bond Foundry & Machine Co., Penn
NEW CASTLE—Douds Frank C. & Co. (Mica)
JOHNSON BRONZE CO.
NORTH EAST—Eureka Co. ("Eureka")
PHILADELPHIA — Ajax Metal Co. ("Ajax," "Ajax Mitifine," "Ajax Tinite," "Ajax Copper Hardened," "Ajax Genuine," "Ajax Armature," "Ajax Bull," "Ajax Plumbite"), 46 Richmond
Am. Manganese Bronze Co., 2501 Rhawn
Bond Chas. Co., 617 Arch
Cramp, Wm., & Sons, Ship & Engine Bldg. Co., Richmond & Norris
Delaware Metal Refinery, 829 Leithgw
Fergusson Alex C. Jr., 474 Chestnut
See adv index at end of book
Hagstoz T. B. & Son, 709 Sansom
Lewis John T. & Bros. Co., Lafayette bldg
Lukens Thos. F. Metal Co. ("Lumeco," "Viking," "Queen Bee"), 1105 Fairmont av
North American Smelting Co. ("Vulcan"), 9th & Thompson
Reeves Paul S. & Co., 1415 Catherine
U. S. Smelting Works, 1615 Spring Garden
PITTSBURGH—Cadman A. W. Mfg. Co. ("Acorn" Aluminum), 2816 Smallman
Colonial Supply Co. ("Colonial"), 217 Water
See adv index at end of book
Damascus Bronze Co. ("Damascus," "Globe," "Larsons"), N. S.
Elmore Water D., Bessemer bldg
Frick & Lindsay Co. (Dealers), Sandusky & Robinson
See adv index at end of book
Lawrenceville Bronze Co., Bessemer bldg
Murdoch H. & Co., Sailor bldg.
National Lead & Oil Co. (of Pa.), Commonwealth bldg
Pittsburgh Brass Mfg. Co. ("Mansfield"), Penn & 32nd.
Pittsburgh Gage & Supply Co. ("Paramount," "Copper Alloy"), 30th & Liberty av
Pittsburgh Smelting & Refining Co., Elizabeth & B. & O. R. R.
Pittsburgh White Metal Co. ("Genuine" & "Rinehart"), 3116 Penn av.
Turner C. A., 3rd & Chauncery
Vanadium Metals Co., Vanadium bldg
POTTSTOWN—Light Mfg. & F'dry Co. ("Automobile Brand")
READING—Am. Boron Products Co., Co., Cherry & Carpenter.
Excelsior Brass Works
SCRANTON—Everhart Brass Works

SOUTH CAROLINA.

CHARLESTON—Bailey-Lebby Co. (Special Anti-Friction)

TENNESSEE.

CHATTANOOGA—Frictionless Metal Co.

VIRGINIA.

RICHMOND—Glacier Metal Co., Hull & 32d
Smith-Courtney Co. ("Dixie Antifriction")

WASHINGTON.

SEATTLE—Finn Jno. Metal Works
Rex Metal Works, 1st av S & Spokane
TACOMA—Puget Sound Metal Works

WEST VIRGINIA.

WHEELING—Merchant & Evans, Warwood av
Wheeling Corrugating Co.
Wheeling Metal & Mfg. Co.

WISCONSIN.

APPLETON—Carson-Rowell & Co. (Crucible Copper Carbon Metals)
MILWAUKEE—Crown Metal Co., 259 Washington
Milwaukee Tack Co. ("Misco"), 27th & Wahl av
Progressive Metal & Refining Co., 432 Barclay
NEENAH—Neenah Brass Works

366a— *Babbitrite
PRODUCTS MFG. & SALES CO. ("Babbitrite"), 432 B'way, Milwaukee, Wis.

Babbitt Metal Melters

See Furnaces, Babbitt Melting

367— Back Bands (Horse)

Atlantic Mfg. Co., 2nd & Walnut, Wilmington, Del.
Couch Bros. Mfg. Co. ("Boss," "Number Ten," "H. & A.," "Gurly Web"), Atlanta, Ga.

367a— Back Fillers (Trench)

BAKER MFG. CO. (THE), "Baker" Tractor, Springfield, Ill.
See adv index at end of book
Byers Machine Co. (The), 242 Sycamore, Ravenna, Ohio
See adv index at end of book
Keystone Driller Co., Beaver Falls, Pa.
See adv index at end of book
Meyer Henry M. Co. (Dirs.), 110 S. Howard, Baltimore, Md.
See adv index at end of book

368— *Backs (Brush)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

368a— Backs (Calendar)

Chicago Mat Board Co., 664 Washington blvd, Chicago, Ill.
General Advertising Co. (Metal), Reading, Pa.
National Art Works ("Brass Etch"), Covington, Ky

369— *Backs (Hand Mirror)

Continental Fibre Co. (Fibre), Newark, Del.
Delaware Hard Fibre Co. (Fibre), Wilmington, Del.
See adv index at end of book
Estes E. B. & Sons (Wood), 364 5th av, New York. *See adv. Index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv. Index at end of book*

370—*Backs (Picture Frames)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Continental Fibre Co. (Fibre), Newark, Del.
Delaware Hard Fibre Co. (Fibre), Wilmington, Del.
See adv index at end of book
Estes E. B. & Sons (Wood), 364 5th av, New York *See adv index at end of book*

371—Backs (Steel, for Brake Beams)

Davis Brake Beam Co., Johnstown, Pa.

372—*Backs (Thermometer)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons (Wood), 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv. Index at end of book*

373—Bacteriological Apparatus

Bausch & Lomb Optical Co., Rochester, N. Y.
Castle Wilmot Co., Rochester, N. Y.
Scientific Materials Co., 717 Forbes, Pittsburgh, Pa.

374-5— Badges & Emblems

Adams S. G. Stamp & Stationery Co., 412 N. 6th, St. Louis, Mo.
Am. Badge Co. (Celluloid Metal Ribbon), 143 W Austin av, Chicago, Ill.
Am. Emblem Co., 333 Columbia, Utica, N. Y.
Artistic Medal & Badge Co., 214 Greenwich, New York.
Bainbridge Chas. J., Syracuse, N. Y.
Bernhard F. A. & Co. (Flags, etc.), 275 W 23rd, New York
Blackinton V. H. & Co., Attleboro Falls, Mass.
Boston Badge Co., 333 Washington, Boston, Mass.
Braxmar C. G. Co., 10 Maiden la, New York
Brophy Chas. A., 33 Eddy, Aurora, Ill.
Brown Wm. R. Co., 33 Eddy, Providence, R. I.
Brunt, Walter N., 111 7th, San Francisco, Cal
Childs S. D. & Co., 136 S Clark, Chicago, Ill.
Cincinnati Regalia Co., 4th & Elm, Cincinnati, Ohio
Colorado Badge & Nov. Co., 1523 Tremont, Denver, Colo.
De Moulin Bros. Co., Greenville, Ill.
Dickey Grabler Works, of the Bankers Savings & Credit System Co. W Madison & 103rd, Cleveland, Ohio

Badges & Emblems—Continued

Dunn J'lry Co., 82 Nassau, New York
Eagle Badge & Button Co., 217 Grand, New York
Eagle Regalia Co., 115 Nassau, New York
Empire Nov. Co., 3546 S 5th av, Chicago, Ill.
Geraghty & Co., 305-37 W Lake, Chicago, Ill.
Gibson A. C. Co., 340 Washington, Buffalo, N. Y.
Goodell Jas. M. Jr., Inc., 150 N Loraine av, Chicago, Ill.
Grammes, L. F., & Sons, 311 Union, Allentown, Pa.
See adv index at end of book
Handley & Co., 112 Fulton, New York
HANSON C. H. CO., THE, 178 N Clark, Chicago, Ill.
Harris Benj Co., 229 Bowery, New York
Helwig Wm. & Co., Cincinnati, O.
International Register Co. ("Heeren"), 15 Throop, Chicago, Ill.
Interboro Metal & Badge Co., 16 Maiden lane, New York
Irwin-Hodson Co., 115 N. 15th, Portland, Ore.
Irvine & Jackens, 1027 Market, San Francisco, Cal.
Kasper Stamp & Seal Co., 1103 Locust, St. Louis, Mo.
Kautz Fred C. & Co., 2633 W Lake, Chicago, Ill.
Klimpf Metal Co., 352 W 13th, New York
Louisiana Metal Cabinet Works (Metal Emblem), New Orleans, La.
Matthews Jas. H. & Co. (Brass, German Silver, Gold & Nickel Plated), 3942 Forbes, Pittsburgh, Pa.
See adv. Index at end of book
Mayer Geo. J. & Co., 4339 Winthrop, Indianapolis, Ind.
Moss, Theo., Co., Inc. ("Themco"), 349 Adams, Brooklyn, N. Y.
Moise-Klinkner Co., 369 Market San Francisco, Cal.
Mulhaupt F. Joseph, Lafayette, Ind.
Napier-Browning Co. (Aluminum), 105 W 40th, New York
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Pasquale, B. Co., Inc., 115 Post, San Francisco, Cal.
Pilgrim Specialty Co., Malden, Mass.
Pittsburgh Stamp Co. Inc., 817-H Canal, Pittsburgh, Pa.
R. & S. Engraving & Die Works, 617-631 W Jackson blvd, Chicago, Ill.
See adv index at end of book
Reading Ribbon Badge Co. (Celluloid & Ribbon), Reading, Pa.
Reed & Skeppstrom, 625 W Jackson blvd, Chicago
See adv index at end of book
Riley-Klotz Mfg. Co. (Badges & Mountings), 17 Mulberry, Newark, N. J.
Schlechter Edw H., 540 Hamilton, Allentown, Pa.
Schwerdtle Stamp Co., 43 Cannon, Bridgeport, Conn.
Sommer Badge Mfg. Co., Newark, N. J.
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.
Standard Emblem Co., 1482 B'way, New York
Steiner Engraving & Badge Co., 804 Pine, St. Louis, Mo.
Stoll Robt., 19 Cliff, New York
Union Emblem Co., Palmyra, Pa.
Ward-Stilson Co., Anderson, Ind.
Waterbury Button Corporation (Numbered Metal, Convention, Military, Hat, etc.), 831 S Main, Waterbury, Conn.
See adv index at end of book
Western Badge & Button Co., Los Angeles, Cal.
Western Badge & Nov. Co., St. Paul, Minn.
Whitehead & Hoag Co., 272 Sussex av, Newark, N. J.
WILCOX W. W. MFG. CO. (Metal Badges), 566 W Randolph, Chicago
Winship Chas. A. & Co. (Secret Society), 159 N State, Chicago, Ill.
Woodman R. Mfg. & Supply Co., 82 Sudbury, Boston, Mass.

376— Bags (Bat & Uniform)

Spalding A. G. & Bros., 105 Nassau, New York
Stall & Dean Mfg. Co., Brockton, Mass.

377— Bags (Bill Posters')

Humphrys, R. A., Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*

377a— Bags (Burlap)

American Bag Co., Falls blvd., Memphis, Tenn.
American Mills Co., Atlanta, Ga.
Bartley Mfg. Co., 261 South, New York.
Bell Bag Co., Inc., 1812-H Thames, Baltimore, Md.
Bosworth Bag Co., 1076 Texas, Memphis, Tenn.
Central Bag Mfg. Co., 6047 S. Western av, Chicago, Ill.
Chase Bag Co., 18 N. First, St. Louis, Mo.
Chicago Leather & Mercantile Co., 1421 Blue Island av, Chicago, Ill.
Cincinnati Bag Co., 601 E. 5th, Cincinnati, O.
Cleveland Akron Bag, E. 40th & Perkins, Cleveland, O.
Eastern Burlap Bag Co., 120 Morgan, Hartford, Conn.
Feitel Dan W. Bag Co., New Orleans, La.
Fulton Bag & Cotton Mills, Dept H, Atlanta, Ga.
Halsted E. S. & Co., 64 Pearl, New York.
Kent Percy Co., 33 Pearl, New York.
King Mfg. Co., Front & Main, Cincinnati, O.
Lawson Jacob Bag Co., 264 Water, New York.
Leavenworth Bag Mfg. Co., Leavenworth, Kans.
Logie James & Co. (Imp.), Produce Exchange, New York
Machover S., 334 Water, New York
Morgan & Hamilton Co., Nashville, Tenn.
Morrison & Risman, 1437 Bailey av, Buffalo, N. Y.
National Bag Co. ("Bull Dog"), Dept. H, Naperville, Ill.
Parsons C. H. Co., 78 Water, New York.
Phila. Bag Co., 84 Tasker, Phila., Pa.
Plummer W. A. Mfg. Co., 37 Front, San Francisco, Cal.
Ross Wm. & Co., 407H N Peoria, Chicago, Ill.
Scott Jas. & Son (Imp.), 346 B'way, New York.
Walker J. S. & Co., Louisville, Ky.
Werthan Bag Co., 12th & Clinton, Nashville, Tenn.
Wisconsin Bag & Burlap Co., Neenah, Wis.

378— Bags (Canvas)

Bell Bag Co., 63 Front, New York
Berg F. O. Co. ("Australian" Water Bag), 318 Division, Spokane, Wash.
Canvas, Leather Specialty Co., 757 Cass, Trenton, N. J.
Daniels C. R., Inc., 114-115 South st., New York
See adv index at end of book
Fulton Bag & Cotton Mills, Atlanta, Ga.
Hirsch Weis Mfg. Co. ("Appell" South African Water Bags), 205 Burnside, Portland, Oregon.
HUMPHRYS R. A. SONS, 1026 Callowhill, Phila., Pa.
See adv index at end of book
Iden Wm. A. Co. (Dirs.), 564 Washington blvd, Chicago, Ill.
Hettrick Mfg. Co., Toledo, Ohio
Plummer W. A. Mfg. Co. (Desert Water Bags), 37 Front, San Francisco, Cal.
Porter Safety Seal Co., 1634H W Harison, Chicago, Ill.
Stanley Wm. W. (Waterproof), 62 White st., New York

378a— Bags (Carbon)

Fulton Bag & Cotton Mills, Atlanta, Ga.
Milwaukee Bag Co., 206 S Water, Milwaukee, Wis.
RAYMOND BAG CO., THE, Middletown, Ohio

379— Bags (Carryall)

Draper Maynard Co., Plymouth, N. H.
Humphrys R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
RAYMOND BAG CO., THE (Paper), Middletown, O.
Union Bag & Paper Corp. ("Union" Paper), 233H Broadway, New York

380—Bags (Cement, Plaster, Etc.)

Bell Bag Co., 63 Front, New York
Bemis Bro. Bag Co., 601 S 4th, St. Louis, Mo.
Chatfield & Woods Co. (Paper), 3d & Plum, Cincinnati, O.
Cleveland-Akron Bag Co. ("Saxolin" Paper), Cleveland, O.
Continental Paper & Bag Mills (Paper), 1 Pershing sq., New York
Feitel Dan W. Bag Co., Dept. H, New Orleans, La.
Fulton Bag & Cotton Mills, Atlanta, Ga.
George & Sherrard Paper Co. (Paper), Wellsburg, W. Va.
Jaite Company (Paper), Jaite, O.
Milwaukee Bag Co. (Paper), 206 S Water, Milwaukee, Wis.
Phillips Thos. Co. (Paper), Akron, O.
RAYMOND BAG CO., THE (Paper), Middletown, O.
Riegel Sack Co., 8 W 40th, New York
Taggart Bros. Co., Watertown, N. Y.
Tarentum Paper Mills (Paper), 2d Natl. Bk. bldg. Pittsburgh, Pa.
Union Bag & Paper Corp. (Paper), 233H B'way, New York.
UNION PAPER & TWINE CO., 128 St. Clair av N. W., Cleveland, O., & 533 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book
VALVE BAG CO. OF AMERICA (Paper), 3440-3444 Summit av, Toledo, O.
See adv index at end of book
Werthan Bag Co., 12th & Clinton, Nashville, Tenn.
West Jersey Paper Mfg. Co. ("Wethrprufe" Paper), Camden, N. J.

381— Bags (Clothes Pin)

Bell Bag Co., 63 Front, New York
Bemis Bro. Bag Co., 601 S 4th, St. Louis, Mo.
Bridgeport Wire Goods Co., East Port Chester, Conn.
Cleveland-Akron Bag Co., Cleveland, O.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Hettrick Mfg. Co., Toledo, Ohio

382— Bags (Coal & Coke)

Atlanta Tent & Awning Co., Atlanta, Ga.
Bell Bag Co., 63 Front, New York
Bemis Bro. Bag Co., 601 S 4th, St. Louis, Mo.
Brooklyn Standard Bag Co., Bush Terminal, Brooklyn, N. Y.
Canvas Leather Specialty Co., 757 Cass, Trenton, N. J.
Cleveland-Akron Bag Co., Cleveland, O.
Continental Paper & Bag Mills (Paper), 1 Pershing sq., New York
Coye Charles A. (Canvas), Grand Rapids, Mich.
Daniels C. R., Inc., 115 South, New York
Feitel Dan W. Bag Co., Dept. H, New Orleans, La.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Hettrick Mfg. Co., Toledo, O.
Hooper Sons Mfg. Co., Juniper & Cherry, Phila., Pa.
Hooper Wm. E. & Sons, 3502 Parkdale av, Baltimore, Md.
Humphrys R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Iden Wm. A. Co. (Dirs.), 564 Washington blvd, Chicago, Ill.
Lane W. T. & Bro. (Canvas), Poughkeepsie, N. Y.
Meyer L. M. & Co., 100 Alderman, Springfield, Mass.
Mills Andrew & Sons, 53 South, New York
Morris & Co. (Cotton Duck), Groveville, N. J.
Phillips Thos. Co., Akron, O.
RAYMOND BAG CO. THE (Paper), Middletown, O.
Sackett H. B. Screen & Chute Co. (Canvas, etc), 1691 Elston av, Chicago, Ill.
Taggart Bros. Co., Watertown, N. Y.
Textile Products Mfg. Co., 1332 Dolman, St. Louis, Mo.
Union Bag & Paper Corp. (Paper), 233H Broadway, New York

383— Bags (Coffee)

Bemis Bros. Bag Co., 601 S 4th, St. Louis, Mo.
Chase Bag Co., 18 N. First, St. Louis, Mo.
Chase H. & L. Bag Co., 267 Atlantic av, Boston, Mass.
Continental Paper & Bag Mills (Paper), 1 Pershing sq., New York
Fulton Bag & Cotton Mills (Urn), Atlanta, Ga.
Halsted E. S. & Co. (Burlap), 64 Pearl, New York
Lawson Jacob Bag Co. (Burlap), 264 Water, New York
Milwaukee Bag Co., 206 S Water, Milwaukee, Wis.
UNION BAG & PAPER CORP. (Duplex Paper), 233 Broadway, New York

384— Bags (Coin & Bond)

Dawson Mfg. Co. ("Buchan"), 312 N 2d, St. Louis, Mo.
Fulton Bag & Cotton Mills (Coin, Atlanta, Ga.
Golden Belt Mfg. Co. (Coin), Durham, N.C.
Hettrick Mfg. Co., Toledo, Ohio
Humphrys R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Milwaukee Bag Co. (Coin), 206 S Water, Milwaukee, Wis.
Porter Safety Seal Co. (Coin), 161H W. Harrison, Chicago, Ill.
Warren Leather Goods Co., Worcester, Mass.
Werthan Bag Co., 12th & Clinton, Nashville, Tenn.
Western Bank Supply Co., 348-H 4th, Oakland, Cal.

385— *Bags (Coke, Paper)

Taggart Bros. Co., Watertown, N. Y.
UNION PAPER & TWINE CO., 128 St. Clair av N. W., Cleveland, O., & 533 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book

Bags (Cotton)

See Bags and Bagging

386— Bags (Cotton Pick)

Atlanta Tent & Awning Co. (Cotton), Atlanta, Ga.
Canvas Leather Specialty Co., 757 Cass, Trenton, N. J.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Hettrick Mfg. Co., Toledo, Ohio
Humphrys R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Werthan Bag Co., 12th & Clinton, Nashville, Tenn.

387— Bags (Feed)

Bell Bag Co., 63 Front, New York
Bemis Bro. Bag Co. (Cotton & Jute), 601 S 4th, St. Louis, Mo.
Chase Bag Co. 18 N. First, St. Louis, Mo.
Cleveland-Akron Bag Co., Cleveland, O.
Continental Paper & Bag Mills (Paper), 1 Pershing sq., New York
Feitel Dan W. Bag Co., Inc., 8 Claiborne & Erato, New Orleans, La.

Fulton Bag & Cotton Mills, Atlanta, Ga.
Humphrys R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Milwaukee Bag Co., 206 S Water, Milwaukee, Wis.
RAYMOND BAG CO. THE (Paper), Middletown, O.
Taggart Bros. Co., Watertown, N. Y.
Union Bag & Paper Corp. (Paper), 233H Broadway, New York
Werthan Bag Co., 12th & Clinton, Nashville, Tenn.

388— Bags (Filter)

Bemis Bro. Bag Co., 601 S 4th, St. Louis, Mo.
Brooklyn Filter Bag Co., 643 Kent av, Brooklyn, N. Y.
Canvas Leather Specialty Co., 757 Cass, Trenton, N. J.
Cleveland-Akron Bag Co., Cleveland, O.
Filter Fabrics (For Every Type of Filter), Salt Lake City, Utah
Fulton Bag & Cotton Mills, Atlanta, Ga.
Humphrys R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Milwaukee Bag Co., 206 S Water, Milwaukee, Wis.
National Sales Co. (Imp.), 31 E 13th, av, Cleveland
Stanley Wm. W., 62 White, New York

389— Bags (Flour)

Bell Bag Co., 63 Front, New York
Bemis Bros. Bag Co. (Paper), 601 S 4th, St. Louis, Mo.
Brooklyn Standard Paper Co. (Paper), 39th & 2nd av, Brooklyn, N. Y.
Chase Bag Co., 18 N. First, St. Louis, Mo.
Continental Paper & Bag Mills (Paper), 1 Pershing sq., New York
Crunden, Martin Mfg. Co. ("Diamond"), 2d & Gratiot, St. Louis, Mo.
nati, Ohio
Diem & Wing Paper Co., Gilbert av, Cincinnati, O.
Feitel Dan W. Bag Co., Inc., S Claiborne & Erato, New Orleans, La.
Fulton Bag & Cotton Mills (Paper), Atlanta, Ga.
Humphrys R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Milwaukee Bag Co., 206 S Water, Milwaukee, Wis.
Phillips Thos. Co. (Heavy Paper), Akron, O.
RAYMOND BAG CO. THE (Paper), Middletown, O.
Riegel Sack Co., 8 W 40th, New York
Taggart Bros. Co., Watertown, N. Y.
UNION BAG & PAPER CORP. (& Sacks, Paper, also Duplex), 233 B'way, New York
Werthan Bag Co., 12th & Clinton, Nashville, Tenn.

390— Bags (Gas Engine)

Davol Rubber Co., 69 Point, Providence, R. I.
Hodgman Rubber Co., 25 W 43rd, New York
U. S. RUBBER CO., 1790 B'way, New York *See adv index at end of book*

391— Bags (Gas Main)

Behringer Edw. A. Inc. ("Endurance"), 98 Park Pl, New York
U. S. Rubber Co., 1790 Broadway, New York *See adv index at end of book*

392— Bags (Golf)

Boyle John & Co., 112 Duane, New York
Brauer Bros. Mfg. Co., Dept. H, 817 N 17th, St. Louis, Mo.
Brauer, Reuter & Brauer Co., 1385 E 7th, Los Angeles, Cal.
Burhke Co. R. H., 1250 Fullerton av, Chicago
Canvas Leather Specialty Co., 757 Cass, Trenton, N. J.
Crawford, McGregor & Canby Co., Dayton, O.
Hill Richard F. Mfg. Co., 219 High, Newark, N. J.
Holgee Wm. H. Co. Inc., 138 S. Main, Los Angeles, Cal.
Lawrence George Co. (Dlrs.), 80 1st, Portland, Ore.
McLoughlin, Bundy & Sinsbaugh, 545 S Spring, Los Angeles, Cal.
Noe G. D. Harness Co., 27 S E 2nd, Minneapolis, Minn.
Spalding A. G. & Bros., 105 Nassau, New York
Surgical & Athletic Wear Mfg. Co., 85 Springfield av, Newark, N. J.
Victor Sporting Goods Co., 88 Birnie, Springfield, Mass.
Warren Leather Goods Co., Worcester, Mass.
Wilson Thos. E. & Co., 729 N Sangamon, Chicago, Ill.

392a— Bags (Grain)

Atlanta Tent & Awning Co., Atlanta, Ga.
Bell Bag Co., 63 Front, New York
Chase Bag Co., 18 N. First, St. Louis, Mo.
Feitel Dan W. Bag Co., Inc., S Claiborne & Erato, New Orleans, La.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Mitsui & Co. (Imptrs.), 65 B'way, New York.
Moore Geo. A. & Co. (Dlrs.), 212 California, San Francisco, Cal.
Werthan Bag Co., 12th & Clinton, Nashville, Tenn.

393— Bags (Grease)

Allen Auto Specialty Co., 16 W. 61st, New York
Continental Paper & Bag Mills, 1 Pershing sq, New York
Detroit Leather Wks., 683H E. Lafayette, Detroit, Mich.
Economy Stay Co. (Leather), Jefferson City, Mo.
Gilbert Mfg. Co., New Haven, Conn.
Perkins-Campbell Co., 622 Broadway, Cincinnati, O.
Smith James & Son, 40 Franklin av, Brooklyn, N. Y.
Sutherland F. L. Co., 743 Beaubien, Detroit, Mich.

394— Bags (Hardware)

Canvas Leather Specialty Co., 757 Cass, Trenton, N. J.
Continental Paper & Bag Mills, 1 Pershing sq, New York
Feitel Dan W. Bag Co., Inc., S Claiborne & Erato, New Orleans, La.
Fulton Bag & Cotton Mills (Paper), Atlanta, Ga.
Lawson Jacob Bag Co., 264 Water, New York
UNION BAG & PAPER CORP., 233 B'way, New York

395— Bags (Hat)

Continental Paper & Bag Mills, 1 Pershing sq, New York
Empire Tire & Rubber Corp. (Rubber), Trenton, N. J.
New York Belting & Packing Co., 91 Chambers, New York
Union Bag & Paper Corp. (Paper), 233 Broadway, New York
UNION PAPER & TWINE CO., 129 St. Clair av N. W., Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y. *See adv index at end of book*
U. S. Rubber Co., 1790 B'way, New York *See adv index at end of book*

396— Bags (Horse Feed)

Bell Bag Co., 63 Front, New York
Cleveland-Akron Bag Co., Cleveland, O.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Hettrick Mfg. Co., Toledo, Ohio
Humphrys R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Langstroth T. W., 77 Warren, New York
Werthan Bag Co., 12th & Clinton, Nashville, Tenn.

396a— Bags (Ice)

Feitel Dan. W. Bag Co. (Burlap), S. Claiborne & Erato, New Orleans, La.
Werthan Bag Co. (Burlap), 12th & Clinton, Nashville, Tenn.

396b— Bags (Inner Tube)

Allen Auto Specialty Co., 16 W 61st, N. Y.
Atlas Specialty Co. ("Atlas"), 2110 S. Morgan, Chicago, Ill.
B. E. Mfg. Co., 44 B'way, New York
Cleveland-Akron Bag Co., E. 40th & Perkins av, Cleveland, O.
Dafoe-Eustice Co., 34 E Jefferson av, Detroit, Mich.
Empire Rubber & Tire Corp., Trenton, N. J.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Gilbert Mfg. Co., New Haven, Conn.
Gilliam Co., 820 Savannah av, N E, Canton, O.
Nathan Novelty Mfg. Co., 84 Reade, N. Y.
Ohio Top Co., 905 B'way, Cincinnati, O.
Werthan Bag Co., 12th & Clinton, Nashville, Tenn.

397— Bags (Laundry)

A. & E. Leather Goods Co., 362 5th av, New York
Bell Bag Co., 63 Front, New York
Boyle John & Co., 112 Duane, New York
Carpenter & Co. Geo. B., 434 N Wells, Chicago
See adv index at end of book
Clifton Mfg. Co., Waco, Tex.
Continental Paper & Bag Mills, 1 Pershing sq, New York
Daniels C. R., Inc., 115 South, New York
Fulton Bag & Cotton Mills, Atlanta, Ga.
Galewski A. & Son, 453 Broome, New York
Hooper Sons Mfg. Co., Dept. H, Juniper & Cherry, Phila., Pa.
Humphrys R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Queen Mfg. Co. ("Queen," also Fixtures), 1647 N Winchester, Chicago, Ill.
Stanley Wm. W. (Canvas), 62 White, New York
Warren Leather Goods Co., Worcester, Mass.
Werthan Bag Co., 12th & Clinton, Nashville, Tenn.

398— Bags (Leather)

Boyle Jno. & Co. (For Railroad Service, etc), 112 Duane, New York
Canvas Leather Specialty Co., 757 Cass, Trenton, N. J.
Feitel Dan W. Bag Co., Dept. H, New Orleans, La.
Humphrys R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Seattle Suit Case, Trunk & Bag Mfg. Co., 212 2nd, Seattle, Wash.

398a— Bags (Lime)

Bell Bag Co., 63 Front, New York
Fulton Bag & Cotton Mills (& Plaster), Atlanta, Ga.
RAYMOND BAG CO. THE (Paper), Middletown, O.
Werthan Bag Co., 12th & Clinton, Nashville, Tenn.

399— Bags (Mail)

Bell Bag Co., 63 Front, New York
Boyle Jno. & Co., 112 Duane, New York
Canvas Leather Specialty Co., 757 Cass, Trenton, N. J.
Clifton Mfg. Co., Waco, Tex.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Hooper Wm. E. & Sons Co. (Government Standard), 3502 Parkdale av, Baltimore, Md.
HUMPHRYS R. A. SONS (Leather & Canvas), 1026 Callowhill, Phila., Pa. *See adv index at end of book*

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Post Frederick Co., 319 S Wabash av, Chicago, Ill.
Union Bag & Paper Corp., 233 B'way, New York
Warren Leather Goods Co., Worcester, Mass.

400— Bags (Mailing)

Bell Bag Co., 63 Front, New York
Bemis Bro. Bag Co. ("Economy"), 601 S 4th, St. Louis, Mo.
Cleveland-Akron Bag Co., Cleveland, O.
Colonial Office Appliance Co., 98 Park pl, New York
Columbus Mailing Bag & Fabrics Co. ("Superior"), 101 N High, Columbus, O.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Golden Belt Mfg. Co., Durham, N. C.
Humphrys R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Milwaukee Bag Co., 206 S Water, Milwaukee, Wis.
National Bag Co., 5238 N Clark, Chicago
Riegel Sack Co., 8 W 40th, New York
Werthan Bag Co., 12th & Clinton, Nashville, Tenn.

401— Bags (Moth Proof)

Kennedy Car Lines & Bag Co. ("Kennedy"), Shelbyville, Ind.
Manahan Moth Paper Co. ("Manahan's" Satchel Formed), 56 Vesey, New York
Seinsheimer Paper Co. (Containers), York & McLean, Cincinnati, O.
Transparo Cloth Corp. ("Transparo"), 226 W 47th, New York
White Tar Co., 2 Cliff, New York

402— Bags (Nail)

Bell Bag Co., 63 Front, New York
Continental Paper & Bag Mills, 1 Pershing sq, New York
Crunden, Martin Mfg. Co. ("Diamond"), 2d & Gratiot, St. Louis, Mo.
Fulton Bag Co. (Paper, for the Hardware Trade, etc), Fulton, N. Y.
Milwaukee Bag Co., 206 S Water, Milwaukee, Wis.
UNION BAG & PAPER CORP. (Paper), 233 B'way, New York

402a—Bags (Nitrate of Soda)

DU PONT E. I. DE NEMOURS & CO. INC., Salvage & Reclamation Div., Wilmington, Del. *See adv index at end of book*

403—Bags or Covers (Tennis Racquet)

B. E. Mfg. Co. ("Bemco"), 18 W 18th, New York
Spalding A. G. & Bros., 105 Nassau, New York
Wilson Thos. E. & Co., 727 N Sagamon, Chicago, Ill.

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404— Bags (Ore)

Ames Harris Neville Co., San Francisco, Cal.
Braun-Knecht-Heimann Co., 584 Mission, San Francisco, Cal.
Feitel Dan W. Bag Co., Dept. H, New Orleans, La.
Filter Fabrics Co., Salt Lake City, Utah
Fulton Bag & Cotton Mills, Atlanta, Ga.
Humphrys R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Mellus Bros. & Co., Los Angeles, Cal.
Werthan Bag Co., 12th & Clinton, Nashville, Tenn.

405— Bags (Paper)

Advance Bag Co., Middletown, O.
American Mills Co., 260 Ivy, Atlanta, Ga.
American Paper Goods Co., Kensington, Conn.
Angelus Bag & Paper Co., 2442 E 24th, Los Angeles, Cal.
Angier Corp (Waterproof Cloth Lined), Framingham, Mass.
Arkell Safety Bag Co., 120 B'way, N. Y.
Arkell & Smith, Canajoharie, N. Y.
Atlanta Paper Co., Atlanta, Ga.
Bell Bag Co. Inc., 1812-H Thames, Baltimore, Md.
Bell Bag Co., 63 Front, New York
Bemis Bro. Bag Co. (Flour, Meal & Cements), 601 S 4th, St. Louis, Mo.
Brooklyn Standard Paper Co. (Flat, Square, Flour, Poultry & Charcoal), 39th & 2nd av, Brooklyn, N. Y.
Brown Bag Filling Machine Co. (Flat), Fitchburg, Mass.
California Bag & Paper Co., Emeryville, Cal.
Chatfield & Woods Co. (Sacks), 3rd & Plum, Cincinnati, O.
Chicago-Detroit Bag Co., Marquette bldg, Chicago, Ill.
Cleveland-Akron Bag Co., 1890 E. 40th, Cleveland, O.
Clochessy John, 21 W 4th, New York
Columbia Paper Bag Co., 921 E Fort av, Baltimore, Md.
Columbia Paper Bag Co., 3d, Long Island City, N. Y.
Continental Paper & Bag Mills (all kinds), 1 Pershing sq, New York
Cramer-Force Co., Rochester, N. Y.
Crown Williamette Paper Co., San Francisco, Calif.
Crunden Martins Mfg. Co. ("Diamond" Candy and Grocers), 2d & Gratiot, St. Louis, Mo.
Cupples Saml. Woodenware Co., 7th & Spruce, St. Louis, Mo.
Diem & Wing Paper Co. (Flour Bags, Sacks, etc.), Gilbert av, Cincinnati, O.
Driver John M. Co., 55th & Hunter, Phila., Pa.
E—Z Opener Bag Co., Decatur, Ill.
Fulton Bag Co. (Mail, etc), Fulton, N. Y.
Fulton Bag & Cotton Mills, Atlanta, Ga.
George S. Co., Wellsburg, W. Va.
Grand Lake Co., 280 Madison av, New York
Harris Bag Co., Caxton bldg, Cleveland, O.
Hercules Paper Bag Co. (Grocers), Reading, Pa.
Hollis & Duncan, 732 W Lake, Chicago, Ill.
Howland Bag & Paper Co., Dexter, N. Y.
Jaite Co., Jaite, O.
Kennedy Car Line & Bag Co. (Packing), Shelbyville, Ind.
Kirchheimer Bros. Co., 433 W Ohio, Chicago, Ill.
Memphis Bag Co., 134 E Carolina, Memphis, Tenn.
Miller Thompkins & Co., 16 Desbrosses, New York
Milwaukee Bag Co. (For Cement, Lime, etc), 206 S Water, Milwaukee, Wis.
National Paper Co., Atlanta, Ga.
Phillips Thos. Co. (Heavy for Flour, Feed, Cement, Lime & Plaster), Akron, O.
Port Huron Sulphite & Paper Co. (Manila), Port Huron, Mich.
RAYMOND BAG CO., THE, Middletown, O.
Royal Thos. M. & Co., Bryn Mawr, Pa.
Rutherford Paper Co., Tarentum, Pa.
Schorsch & Co., 500 E 133d, New York
Seinsheimer Paper Co., York & McLean, Cincinnati, O.
Shuttleworth, Keiller & Co., 474 W B'way, New York
Taggart Bros. Co. (Rope Paper for Cement, Flour, etc), Watertown, N. Y.
Tartentum Paper Mills (For Cement, Lime, etc), 2d Natl Bk bldg, Pittsburgh, Pa.
Taylor Paper Co., 319-320 Dalziel bldg, Oakland, Cal.
UNION BAG & PAPER CORP., 233 B'way, New York
Union Paper Mill Co. (All Rope Buckskin Cement), **Monongahela, Pa.**
UNION PAPER & TWINE CO., 128 St. Clair av N. W., Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book
U. S. Paper Goods Co. (Bat, Hat, Tobacco, etc), 1224 W 8th, Cincinnati, O.
Universal Paper Bag Co., New Hope, Pa.
VALVE BAG CO. OF AMERICA, (For Cement, Lime, etc.), 3440-3444 Summit av, Toledo, O.
See adv index at end of book
Wayne Paper Goods Co. (Hand Carrying), Ft. Wayne, Ind.
West Jersey Paper Mfg. Co. (For Cement, Plaster, Lime, etc), Camden, N. J.
Western Paper Goods Co. (Tobacco), 3d & Lock, Cincinnati, O.
Wortendyke Mfg. Co., Ft. 13th, Richmond, Va.

406— Bags (Parcel Post)

Fulton Bag & Cotton Mills, Atlanta, Ga.
Humphrys R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Milwaukee Bag Co., 206 S Water, Milwaukee, Wis.
National Bag Co. ("Bull Dog"), Dept H, Naperville, Ill.
Ross Wm. & Co., 407H N Peoria, Chicago, Ill.
Werthan Bag Co. (Burlap, Twine), 12th & Clinton, Nashville, Tenn.

406a— Bags (Peanut)

Continental Paper & Bag Mills, 1 Pershing sq, New York
Driver, John M., Co., 55th & Hunter, Phila., Pa.
Royal Thos. M. & Co., Bryn Mawr, Pa.
Union Bag & Paper Corp (Paper-Glacine), 233 Broadway, New York

407— Bags (Plaster)

Bell Bag Co., 63 Front, New York
Fulton Bag & Cotton Mills, Atlanta, Ga.
RAYMOND BAG CO., THE (Paper), Middletown, O.
Riegel Sack Co., 8 W 40th, New York
Taggart Bros. Co., Watertown, New York
Werthan Bag Co., 12th & Clinton, Nashville, Tenn.

408— Bags (Potato)

Bell Bag Co., 63 Front, New York
Chase Bag Co., 18 N. First, St. Louis, Mo.
Continental Paper & Bag Mills (Paper), 1 Pershing sq, New York
Feitel Dan W. Bag Co., Inc., S Claiborne & Erato, New Orleans, La.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Milwaukee Bag Co., 206 S Water, Milwaukee, Wis.
Ross Wm. & Co., 407H N. Peoria, Chicago, Ill.
Taggart Bros. Co., Watertown, New York
Werthan Bag Co., 12th & Clinton, Nashville, Tenn.

409— Bags (Rice)

Bell Bag Co., 63 Front, New York
Continental Paper & Bag Mills (Paper), 1 Pershing sq, New York
Feitel Dan W. Bag Co., Inc., S Claiborne & Erato, New Orleans, La.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Milwaukee Bag Co., 206 S Water, Milwaukee, Wis.
Riegel Sack Co., 8 W 40th, New York
Taggart Bros. Co., Watertown, New York
Union Bag & Paper Corp. (Paper), 233 Broadway, New York
Werthan Bag Co., 12th & Clinton, Nashville, Tenn.

410— Bags (Rubber)

Tyer Rubber Co. (Ice, Acetylene Gas, Syringe, etc), Andover, Mass.

411— Bags (Safety)

Arkell Safety Bag Co., 120 B'way, New York
Fulton Bag & Cotton Mills (Shipping), Atlanta, Ga.

412— Bags (Salt)

American Bag Co., 3rd & Harrison, Oakland, Cal.
Bell Bag Co., 63 Front, New York
Feitel Dan W. Bag Co., Dept. H, New Orleans, La.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Milwaukee Bag Co., 206 S Water, Milwaukee, Wis.
Riegel Sack Co., 8 W 40th, New York
Werthan Bag Co., 12th & Clinton, Nashville, Tenn.

413— Bags (Sand Levee)

Bell Bag Co., 63 Front, New York
Bemis Bro. Bag Co., 601 S 4th, St. Louis, Mo.
Feitel Dan W. Bag Co., Inc., S Claiborne & Erato, New Orleans, La.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Riegel Sack Co., 8 W 40th, New York
Werthan Bag Co., 12th & Clinton, Nashville, Tenn.

414— Bags (Sanitary)

Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Milwaukee Bag Co., 206 S Water, Milwaukee, Wis.
Taggart Bros. Co., Watertown, New York

415— Bags (School & Shopping)

See also Traveling Bags

Fulton Bag & Cotton Mills, Atlanta, Ga.
Katz Bros. Leather Goods Co., 135 W. 20th, New York
Kennebunk Mfg. Co. (Fibre), Milton, N. H.
Nitram Mfg. Co., 47 Long, East Orange, N. J.
RAYMOND BAG CO., THE (Paper), Middletown, O.
Ryan-Cushing Co., 52 Chauncy, Boston, Mass.
Thompson James & Co., 113 Prince, New York.
Union Bag & Paper Corp. ("Union" Paper), 233 Broadway, New York
Warren Leather Goods Co., Worcester, Mass.

416-7— Bags (Second Hand)

Able Bag & Burlap Co., 2707 W Roosevelt rd, Chicago, Ill.
American Bag Co., 3rd & Harrison, Oakland, Cal.
Atlantic Bag Co. ("A. B. C."), 248 Water, New York
Bell Bag Co., 63 Front, New York
Bemis Bro. Bag Co., 601 S 4th, St. Louis, Mo.

Brimberg H., Inc., 53 Mercer, New York
Cohen, Harry, & Co., 3436 Klicketat, Seattle, Wash.
Dorfman I. & Sons, 269 South, New York
DU PONT E. I. DE NEMOURS & CO. INC., (Salvage & Reclamation Div.), Wilmington, Del.
See adv index at end of book
Feitel Dan W. Bag Co., Inc., S. Claiborne & Erato, New Orleans, La.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Hudson Bag Mfg. Co., Bayonne, N. J.
Iroquois Bag Co. (Bags & Burlap), 642 Clinton, Buffalo, N. Y.
Kent Percy Co., 33 Pearl, New York
Klein Max, 38 Park Row, New York
Knickerbocker Bag Co., 7 Front, New York
Knott's David N Sons (Cotton & Burlap), 236 N Del., Phila., Pa.
Lawson Jacob Bag Co., 264 Water, New York
Leonardis Peter & Sons, 57 River, Newark, N. J.
Lichtman S. & Son (Bags & Burlap), 9 Randall, Buffalo, N. Y.
Machover S., 334 Water, New York
Millard Geo P. Co. (Burlap), 26 Elwood bldg, Rochester, N. Y.
Morrison & Risman, 1437 Bailey av, Buffalo, N. Y.
Nanes Nathan, 217 B'way, New York
New York & Boston Bag Co., 56 Commercial Wharf, Boston, Mass.
Oppenheimer & Co., 62 Main, Buffalo, N. Y.
Pacific Bag Co., 869 Folsom, San Francisco, Cal.
Riegel Sack Co., 8 W 40th, New York
Weitzel M. B., Lititz, Pa.
Werthan Bag Co., 12th & Clinton, Nashville, Tenn.
Western Bag & Burlap Co., 2449 Wallace, Chicago, Ill.
Western Bag Co., Inc., 124 Main, San Francisco, Cal.
Winkleman Bag & Burlap Co., 475 Lovejoy, Portland, Ore.
Wisconsin Bag & Burlap Co., Neenah, Wis.
Young & Metzner, 355 **Vernon av, Long** Island City, N. Y.

417a— Bags (Sleeping)

Huyck F. C. & Sons ("Kenwood"), Albany, N. Y.
Pacific Tent & Awning Co., 1 N. 1st, Portland, Ore.
Seattle Quill Mfg. Co. ("Alaskan"), 310 1st av, So. Seattle, Wash.
Stonebridge C. H. Mfg. Co., 23 Warren, New York

417b— Bags (Special Paper)

Continental Paper & Bag Mills, 1 Pershing sq, New York
Grand Lake Co., 280 Madison av, New York
UNION BAG & PAPER CORP. (made to order), 233 Broadway, New York

418— Bags (Striking)

Faultless Rubber Co. (Rubber), Ashland, Ohio
Goldsmith's P. Sons, John, Findlay & Charlotte, Cincinnati, O.
Goodrich B. F. Co. (Rubber), Akron, O.
Jarvis W. B. Co. ("Ty Cobb"), Grand Rapids, Mich.
Levinson, Sol., 1028 Market, San Francisco, Cal.
Rawlings Mfg. Co., 23 & Lucas av, St. Louis, Mo.
Stall & Dean Mfg. Co., Brockton, Mass.
Tyer Rubber Co. (Rubber), Andover, Mass.

419— Bags (Sugar)

Bell Bag Co., 63 Front, New York
Bemis Bro. Bag Co., 601 S 4th, St. Louis, Mo.
Cleveland-Akron Bag Co., Cleveland, O.
Continental Paper & Bag Mills (Paper), 1 Pershing sq, New York
Crunden, Martin Mfg. Co. ("Diamond"), 2d & Gratiot, St. Louis, Mo.
Feitel Dan W. Bag Co., Inc., S Claiborne & Erato, New Orleans, La.
Milwaukee Bag Co., 206 S Water, Milwaukee, Wis.
Mitsui & Co. (Imptrs.), 65 B'way, New York.
Union Bag & Paper Corp. (Paper), 233H **Broadway, New York**
Werthan Bag Co., 12th & Clinton, Nashville, Tenn.

420-1-2— Bags (Tamping)

DU PONT E. I. DE NEMOURS & CO., INC. Explosives & Smokeless Powder Depts. ("Du Pont," see Adv. at Explosives), Wilmington, Del.
See adv index at end of book
Giant Powder Co. Cons., San Francisco, Cal
Hercules Powder Co., Wilmington, Del.
Union Bag & Paper Corp. (Paper), 233 B'way, New York.

423— Bags (Tool)

Buhrke R. H. Co. (Electricians' & Lineman's), 1250H Fullerton av, Chicago, Ill.
Boyle John & Co., 112 Duane, New York
Canvas Leather Specialty Co., 757 Cass, Trenton, N. J.
Cleveland-Akron Bag Co., Cleveland, O.
Dicke Tool Co., Downers Grove, Ill.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Galewski Adolph & Son (Plumbers'), 453 Broome, New York
Humphrys, R. A., Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Johnson Wm. (Plumbers' & Masons'), Newark, N. J.
Klein Mathias & Sons, 3200 Belmont av, Chicago, Ill.
Meckel Fred L., 11 E 13th, Chicago, Ill.
Perkins Campbell Co. ("Campbell"), 622 **B'way, Cincinnati, O.**
Persons Majestic Mfg. Co., 54-72 Commercial, Worcester, Mass.
Reading Saddle & Mfg. Co. (Bicycle, Motorcycle, etc), Reading, Pa.
Starbuck R. M. & Sons (Plumbers), Hart**ford, Conn.**
Troxel Mfg. Co., Elyria, Ohio
Union Bag & Paper Corp. (Paper), 233 B'way, New York.
Weinman Bros., 12 E 9th, Chicago, Ill.

424— Bags (Tool, Linemen's)

Aschenbach Henry Saddlery Co., 71 Warren, New York
Boyle John & Co., 112 Duane, New York
Buhrke R. H. Co., 1250 Fullerton av, Chicago, Ill.
Dicke Tool Co., Downers Grove, Ill.
Galeswki Adolph & Son, 453 Broome, New York
Humphrys R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Klein Mathias & Sons, 3200 Belmont av, Chicago, Ill.
Meckel Fred L., 11 E 13th, Chicago, Ill.

424a— *Bags (Trainmen's)

Rogers Fibre Co. ("Leatheroid"), 121 **Beach, Boston, Mass.**
See adv index at end of book
Humphrys R A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*

Bags (Traveling)

See Traveling Bags & Suit Cases

425— Bags (Valve)

Cleveland-Akron Bag Co., Cleveland, O.
Fuller-Lehigh Co., Fullerton, Pa
See adv index at end of book
Fulton Bag & Cotton Mills, Atlanta, Ga.
Milwaukee Bag Co., 206 S Water, Milwaukee, Wis.
Phillips Thos. Co. (For Cement, Lime & Plaster, Merchandise, etc), Akron, O.
RAYMOND BAG CO. THE, Middletown, O.
Taggart Bros. Co., Watertown, N. Y.
VALVE BAG CO. OF AMERICA (Valve Bags & Open Mouth), 3440-3444 Summit av, Toledo, O.
See adv index at end of book
Werthan Bag Co., 12th & Clinton, Nashville, Tenn.

425a— *Bags (Valve Lime)

VALVE BAG CO. OF AMERICA, 3440-3444 Summit av, Toledo, O.
See adv index at end of book
Werthan Bag Co., 12th & Clinton, Nashville, Tenn.

426-7— Bags & Bagging

See also Burlap Importers
(Those Marked with a (†) Dagger Make Bagging also)

American Bag Co. (Cotton & Burlap Bags), Falls blvd., Memphis, Tenn.
American Bag & Burlap Co. (Burlap), Boston, Mass.
†American Mfg Co. (Jute Bagging), Noble, & West, Brooklyn, N. Y.
American Mills Co. (Burlap & Cotton), Atlanta, Ga.
Ames-Harris-Neville Co., Potrero & Alameda, San Francisco, Cal.
Anchor Duck Mills (Cotton Bags), Rome, Ga.
†Androscoggin Mills (Grain, etc), Lewiston, Me.
Arkell Safety Bag Co., 120 B'way, New York
Atlantic Jute Mills ("Congo") Norfolk, Va.
Bartley Mfg. Co. (Burlap), 261 South, New York
Bell Bag Co. (Grain Bags), 63 Front, New York
Bemis Bro. Bag Co. (Jute, Paper, Cotton, Burlap, "Wiretop" Muslin, etc.), 601 S 4th, St. Louis, Mo.
Bosworth Bag Co. (Burlap & Cotton), 1076 Texas, Memphis, Tenn.
Bowen-Jewell Co. (Cotton Bagging), Jewell, Ga.
Brimberg H., Inc., 53 Mercer, New York
Carolina Bagging Co. (Jute), Henderson, N C.
Carolina Mills (Cotton Bagging), Greenville, S. C.
Casper J. Burlap Bag Mfg. Co., Fitzgerald, Pa.
Central Bag Mfg. Co. (Burlap & Cotton), 6047 S. Western av, Chicago, Ill.
Chase Bag Co., 18 N. First, St. Louis, Mo.
Chase H. & L. (Burlaps & Cotton), 267 Atlantic av, Boston, Mass.
Chelsea Fibre Mills (Seamless Bags), 295 5th av, New York
Cherokee Falls Mfg. Co. (Seamless Grain), Cherokee Falls, S. C.
Chicago-Detroit Bag Co. (Jute, Cotton, etc), Marquette bldg, Chicago, Ill.
Chicago Leather & Mercantile Co. (Burlap), 1421 Blue Island av, Chicago, Ill.
Cincinnati Bag Co. (Cotton Seamless & Burlap for own use only), 601 E 5th, Cincinnati, O.
Cleveland-Akron Bag Co., Cleveland, O.
Clifton Mfg. Co., Waco, Tex.
†Columbia Cotton Mill Co. (Cotton Seamless Grain Bags), Columbia, Tenn.
†Dana Warp Mills (Grain Bags), Westbrook, Me.
Eagle Cotton Mills Co. (Cotton), Madison, Ind.
Eastern Burlap Bag Co. (Burlap), 120 Morgan, Hartford, Conn.
Empire State Bag Co. (Flax & Jute Bags & Bagging), 760 Wythe av, Brooklyn, N. Y.
Feitel Dan W. Bag Co. (new & second hand, Burlap), S Claiborne & Erato, New Orleans, La.
Franklinville Mfg. Co. (Seamless Bags), Franklinville, N. C.
†Fulton Bag & Cotton Mills (Cotton, Jute), Atlanta, Ga.
Gaylord Bros. (Cloth Coin), Syracuse, N. Y.
Golden Belt Mfg. Co. (Tobacco Bags,, etc), Durham. N. C.
Graffiin John C. Co. (Cotton Bags), 10 South, Baltimore, Md.
†Gulf Bag Co. (Burlap & Cotton), 330 Notre Dame, New Orleans, La.
Halsted E. S. & Co., 64 Pearl, New York
Hartman Pacific Co., Inc. (Imp.), 80 Wall, New York
Hoffman-Corr Mfg. Co., 312 Market, Phila., Pa.
Humphrys, R. A., Sons (Cotton), 1026 Callowhill, Phila., Pa.
See adv index at end of book
Hyand Bag Co., 243 Sacramento, San Francisco, Cal.
Imperial Bagging Co., Norfolk, Va.
Jackson Fibre Co. (Brown Cotton Bags), Bemis, Tenn.
Kent Percy Co. (Cotton & Burlap Bags), 33 Pearl, New York
King Mfg. Co. (Cotton, Burlap, etc.), Front & Main, Cincinnati, O.
Lane J. H. & Co. (Jobbers), 250 W 57th, New York
Lawson Jacob Bag Co. (Burlap), 264 Water, New York
Leavenworth Bag Mfg. Co. (Burlap & Cotton), Leavenworth, Kans.
Liberman, M. (Hop & Rice), 63 Rutgers Slip, New York
Little Rock Tent & Awning Co. (Cotton Picking), Little Rock, Ark.
Ludlow Mfg. Associates (Jute Bagging for Baling Cotton, 111 Devonshire, Boston, Mass.
Machover S. (Cotton & Burlap), 334 Water, New York
Merchants & Mfg. Supply Co., Chelsea, Mass.
Milwaukee Bag Co. (Cotton & Jute, Sugar, Cement, Sand Levee, Salt, Rice, Potato, Parcel Post, Hardware, Coffee Urn, Castings & Bean Bags, Flour Sacks & Burlaps), 206 S Water, Milwaukee, Wis.
Millhiser Bag Co. (Seed Bags, Tobacco Bags & Pouches), Richmond, Va.
Moran John & Son (Bags & Barrel Covers), 213 Franklin, New York
Morgan & Hamilton Co. (Cotton, Flour & Meal Sacks & Burlap Bags), 1400 8th av N, Nashville, Tenn.
Morris & Co. (Cotton), Groveville, N. J.
Morrison & Risman (Jute & Burlap) 1437 Bailey av, Buffalo, N. Y.
Neahr M. J. & Co., 1600 S Dearborn, Chicago, Ill.
National Bag Co. ("Bull Dog," Burlap & Cotton), Dept. H, Naperville, Ill.
New York-Boston Bag Co. (Potato, Flour, Grain & Coffee Sacks, etc), 56 Commercial wharf, Boston, Mass.
Noon Bag Co. (Grain, etc.), 34 N 1st, Portland, Ore.
Northern Bag Co., 101 3rd av S, Minneapolis, Minn.
O'Meara Maurice Co., 450 Pearl, New York
Pacific Bag Co., 869 Folsom, San Francisco, Cal.
†Parsons C. H. Co. (Cotton & Burlap), 78 Water, N. Y.
Philadelphia Bag Co. (Burlap & Cotton), 34 Tasker, Phila., Pa.
Plummer W. A. Mfg. Co. (Burlap & Cotton), 37 Front, San Francisco, Cal.
Queen Mfg. Co. (Laundry Bags), 313 S Clinton, Chicago, Ill
Raggi P. & Co., 52 Washington, San Francisco, Cal.
Ralli Bros. (Imp), 11 William, New York
RAYMOND BAG CO., THE (Paper), Middletown, O.
Riegel Sack Co., 8 W 40th, New York
†Riverside Mills (Jute Bagging for Cotton), Augusta, Ga.
Rock Run Carbon Co., Warren, Ohio
Ross Wm. & Co., 407 N Peoria, Chicago
Royal River Mfg. & Power Co. (Cotton Grain Bags), Yarmouth, Me.
Scott Jas. & Son (Importers Burlap & Jute Bagging), 291 B'way, New York
Southern States Bag Co., Jacksonville, Fla.
Taggart Bros. Co., Watertown, N. Y.

(Continued on following page)

Bags & Bagging—Continued

†Tombigbee Cotton Mills (Brown Cotton Bagging), Columbus, Miss.
VALVE BAG CO. OF AMERICA (Bags for Lime, Cement, Plaster, etc.), 3440-3444 Summit av, Toledo, O.
See adv index at end of book
Walker J. S. & Co. (Burlap), Louisville, Ky.
Werthan Bag Co., 12th & Clinton, Nashville, Tenn.
West & Co., Albany, Ga.
Winkleman Bag & Burlap Co., 475 Lovejoy, Portland, Ore.
Wisconsin Bag & Burlap Co. (Burlap), Neenah, Wis.
Young & Metzner, 335 Vernon av, Long Island City, N. Y.

428— *Bails (Hoisting)

Industrial Equipment Co., Minster, O.
Rochester Can Co. ("Iron Horse" Wire), 89 Hague, Rochester, N. Y.

429— Bailwoods (Pail)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
ESTES E. B. & SONS, 364 5th av, New York. *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

430— Bait (Fishing)

Anglers Co. (Live Crayfish, mud & Preserved Minnows of all sizes, salmon eggs, bait frogs), 1534 W Lake (crayfish, wedge chunk, midget and cheese), Chicago, Ill.
Foss Al., 1722 Columbus rd, Cleveland, O.
Hastings Sporting Goods Wks, Hastings, Mich.
Henzel, J. G. ("Booster"), 4153 W. Van Buren, Chicago, Ill.
Knowles S. E. Co. ("Knowles" Automatic Striker Spoon Bait), 977 Howard, San Francisco, Cal.
Little, John T., Co. ("Spokane" Hand Made Flies), 110 Washington, Spokane, Wash.
Moonlight Bait Co. ("Moonlight"), Paw Paw, Mich.
Orvis Chas. F. Co. (Artificial Flies, etc.), Manchester, Vt.
Treman King & Co., 11 Main, Ithaca, N. Y.
U. S. Specialty Co. (Rush Tango, Minnow), S. A. & K. bldg, Syracuse, N. Y.
Vacuum Bait Co. ("Howes," "Vacuum," Bass Bait, etc), North Manchester, Ind.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

431— Bakelite

BAKELITE CORP., 247 Park av, New York
See adv index at end of book
Continental Fibre Co., Newark, Del.
Hattel-Ackerson-Hahn Co. (Molded Goods), 627 S. San Pedro, Los Angeles, Cal.
K.-B. Mfg. Co. (Molders of Bakelite), 222 8th, San Francisco, Cal.
Waterbury Button Corporation (Moulders), 831 S Main, Waterbury, Conn.
See adv index at end of book

431a—Bakelite (Molding Presses)

Hydraulic Press Mfg. Co., 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book

432— Bakers (Potato)

Timberlake J. B. & Sons ("Jaxon"), Jackson, Mich.
United Steel & Wire Co., 327 Fonda av, Battle Creek, Mich.

433-4—*Bakers (Wire Mill)

Vaughn Machinery Co. (Cleaning & Coating), Cuyahoga Falls, Ohio

435—Balances (Assay & Analytical)

Ainsworth Wm. & Sons, 2151 Lawrence, Denver, Colo.
Braun Corp., 363 New High, Los Angeles, Cal.
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Caire Justinian Co., 573 Market, San Francisco, Cal.
Calkins Co., 934 S. Main, Los Angeles, Cal.
Daube & Hopken, 39 Carlton av, Jersey City, N. J.
Denver Fire Clay Co., Denver, Colo.
Dixon Wm., 119 Fulton, New York.
Fairbanks Co., 416 Broome, New York.
Keller G. P. ("Keller"), Salt Lake City, Utah
Kohlbusch Herman, 149 N. Y. av, Jersey City, N. J.
Mine & Smelter Supply Co., 42 B'way, New York.
Sargent E. H. & Co., 155 E Superior, Chicago, Ill.
Schaar & Co. ("Hexagon"), 558 W Jackson bldv, Chicago, Ill.
Thompson Balance Co., Denver, Colo.
Torsion Balance Co. ("Torsion"), 82 Reade, New York
Troemner Henry, 911 Arch, Phila., Pa.
Voland & Sons, New Rochelle, N. Y.
Welch W. M. Scientific Co., 1516 Orleans, Chicago, Ill.

435a— Balances (Pulp)

Ainsworth Wm. & Sons, Denver, Colo.
Central Scientific Co., 460 E Ohio, Chicago, Ill.
Voland & Sons, New Rochelle, N. Y.

BAKELITE

In diversity of applications, and in variety of form, Bakelite is unique among electrical insulating materials.

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436— Balances (Spring)

American Cutlery Co., 764 Mather, Chicago, Ill.
Chatillon Jno. & Sons, 85 Cliff, New York
Fairbanks Co., 416 Broome, New York.
Forschner R. H., 230 3rd av, New York
Hanson Bros., 525 N Ada, Chicago, Ill.
Landers, Frary & Clark, New Britain, Conn.
Micrometer Balance Scale Co., Troy, N. Y.
Pelouze Mfg. Co., 232 E O, Chicago, Ill.
Standard Scale & Supply Co., 1631 Liberty av, Pittsburgh, Pa.
Wilson Robert P., 320 Market, Newark, N. J.
Wilson Spring Co. Inc. (Ice), 320 Market, Newark, N. J.

437— Balata

American Trading Co., 25 Broad, New York
Gough Wallace L. Co., 25 S William, New York
Raw Products Co. (Imp), 80 Wall, New York

438— Balconies (Pole)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

Bale Ties

See Ties (Bale)

439— Balers (Sack)

Handy Sack Baler Co., Cedar Rapids, Ia.
White T. G. ("Handy Sack Baler"), Cedar Rapids, Ia.

440— Ball Blue

Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Heller & Merz Co., 503 Hudson, New York
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book

440a—*Ball Mill for Wet Grinding

KENNEDY-VAN SAUN MFG. & ENG. CORP., 50 Church, New York

441—Ballast Loaders & Unloaders

Bucyrus Co., So. Milwaukee, Wis.
Janney-Steinmetz & Co., 1421 Chestnut, Phila., Pa.
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
Lidgerwood Mfg. Co. (Unloaders only), 96 Liberty, New York
See adv index at end of book
McMyler-Interstate Co., Bedford, O.
See adv index at end of book
Marion Steam Shovel Co., P. O. Box 505, Marion, O.

Ballast (Railroad)

See Stone, Crushed

441a— Balloons (Rubber)

Behrend & Rothschild, 353 B'way, New York
Dunbar Mfg. Co., South River, N. J.
Eagle Rubber Co., Ashland, O.
Faultless Rubber Co., Ashland, O.
Goodyear Tire & Rubber Co., Akron, O.
Gregory Rubber Co. (Toy), Akron, O.
Howe-Baumann Balloon Co., 187 Murray, Newark, N. J.
Lincoln Rubber Co., Akron, O.
Oak Rubber Co. (Toy), Ravenna, O.
Pacific Balloon Co., Blaine, Riverside, Cal.
Perfect Rubber Co., Dept. H, Mansfield, O.
Realty Rubber Co., Massillon, O.
Western Reserve Rubber Co. (Toy), South Akron, O.

442— Balloons and Dirigibles

American Air Commerce Corp. ("Blondin"), 2018 Sacramento, Los Angeles, Cal.
Connecticut Aircraft Co., 671 Chapel, New Haven, Conn.
Goodyear Tire & Rubber Co., Akron, O.

443— *Balls (Agricultural)

EXCELSIOR STEEL BALL CO. (Steel Only), P. O. Box 52, Buffalo, N. Y.
See adv index at end of book

444— Balls (Aluminum)

Aluminum Goods Mfg. Co., Manitowoc, Wis.
Auburn Ball Bearing Co., Rochester, N. Y.
Everitt Co., 267 Franklin, Boston, Mass.
See adv index at end of book
EXCELSIOR STEEL BALL CO., P. O. Box 52, Buffalo, N. Y.
See adv index at end of book
HOLLOW BALL COMPANY INC. (Hollow, Seamless — Maximum Strength — Minimum Weight—¼" to 8"), 1000 Standard Oil bldg, Baltimore, Md.
See adv index at end of book
HOOVER STEEL BALL CO., Ann Arbor, Mich. *See adv index at end of book*
Jones Ball Co., Arlington Heights, Mass.
Waterbury Steel Ball Co. (To Specification), 300 Aurora, Waterbury, Conn.
See adv index at end of book

445— Balls (Ball Mill)

Abbe Paul O. Inc. ("Abbebilt"), 71-A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York
See adv index at end of book

Allis-Chalmers Mfg. Co. (Forged Steel), Milwaukee, Wis.
See adv index at end of book
Bacon & Matheson Forge Co., W. Lander & Whatcom, Seattle, Wash.
Bethlehem Steel Co., Bethlehem, Pa.
Los Angeles Foundry Co., 2444 S. Alameda, Los Angeles, Cal.
Metal Supply Co., 2323 E. 52d, Los Angeles, Cal.
Midwest Forge & Steel Co., East St. Louis, Ill.
Worthington Pump & Machy. Corp., 115 Broadway, New York

445a— *Balls (Balloting)

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

Balls (Basket)

See firms in Balls, Foot, with the word Leather following their names

445b— Balls (Bearing)

See also Balls, Steel

HOLLOW BALL COMPANY INC. (Flawless, Hollow, Seamless balls. Maximum Strength, Minimum Weight, Perfect Balance. Will not fracture—¼" to 3". Any required accuracy), 1000 Standard Oil bldg, Baltimore, Md.
See adv index at end of book

445c— Balls (Bell Metal)

HOLLOW BALL COMPANY INC. (Hollow, Seamless—all metals—¼" to 3"), 1000 Standard Oil bldg, Baltimore, Md.
See adv index at end of book

446— Balls (Billiard & Pool)

Albany Billiard Ball Co. ("Burt," "Hyatt") Albany, N. Y.
Brunswick-Balke-Collender Co., 799 7th av, New York
Grote F. & Hubbell Co., 82 4th av, New York
Kaldenberg Trading Co. (Ivory), 433 Broome, New York
Kapp A. Jos. Sons Ivory Co., 124 E 14th, New York
Spinks Wm. A. & Co., 362 W Erie, Chicago, Ill

447— Balls (Bowling)

American Hard Rubber Co. ("A. H. R." Hard Rubber), 9 Mercer, New York
ESTES E. B. & SONS (Wood), 364 5th av, New York *See adv index at end of book*
Klumpp's Jno. G. Sons, 13 Baxter, New York
Kohaut John C., 117 Green, Newark, N. J.
Sommer John Faucet Co., 30 Morris, Newark, N. J.

448— Balls (Brass)

Abbott Ball Co., Elmwood Station, Hartford, Conn.
See adv index at end of book
American Ball Co. ("American"), 115 Clifford, Providence, R. I.
Atlas Ball Co. (For Valves, also Bronze), N America & Glenwood av, Philadelphia, Pa.
Auburn Ball Bearing Co. (also Bronze, Solid & Hollow), 26 Elizabeth, Rochester, N. Y.
Brimm Leo J Inc., 119 W 63rd, New York
Clark Keefe & Co., 1301 Larrabee, Chicago, Ill.
Darling Valve & Mfg. Co., Ltd., Williamsport, Pa.
Draper Mfg. Co. (Solid or Hollow, for Valves, etc), Port Huron, Mich.
EVERITT CO., 267 Franklin, Boston, Mass.
See adv index at end of book
EXCELSIOR STEEL BALL CO. (Also Bronze, Solid & Hollow), P. O. Box 52, Buffalo, N. Y.
See adv index at end of book
GWILLIAM CO., 23 Flatbush av, Brooklyn, N. Y. *See adv index at end of book*
HOLLOW BALL COMPANY, INC. (For every industrial application. Hollow, Seamless — Maximum Strength — Minimum Weight—Perfectly Balanced. The ideal ball for valves. Sizes ¼" to 3" from stock. Any required accuracy), 1000 Standard Oil bldg, Baltimore, Md.
See adv index at end of book
HOOVER STEEL BALL CO., Ann Arbor, Mich. *See adv index at end of book*
Hough Chas. N. Mfg. Co. (Also Bronze). Franklin, Pa.
Jones Ball Co. (Also Bronze), Arlington Heights, Mass.
Metal Ball Co., 43 Foster, Danbury, Conn.
Midland Brass Works, Fort Worth, Texas
Motors Products Corp., Mack av & Outer Belt Line, Detroit, Mich.
Waterbury Steel Ball Co. (To Specifications), 300 Aurora, Waterbury, Conn.
See adv index at end of book

449— Balls (Bronze)

See also Balls, Brass

HOLLOW BALL COMPANY INC. (Hollow, Seamless—all sizes—all metals), 1000 Standard Oil bldg, Baltimore, Md.
See adv index at end of book

450— *Balls (Cabinet Lock)

EXCELSIOR STEEL BALL CO., P. O. Box 52, Buffalo, N. Y.
See adv index at end of book
HOLLOW BALL COMPANY INC. (In all metals—¼" to 3"), 1000 Standard Oil bldg, Baltimore, Md.
See adv index at end of book

451— Balls (Cast Iron)

Auburn Ball Bearing Co, Rochester, N. Y.
Bethlehem Steel Co., Bethlehem, Pa.
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book

452— Balls (Caster)

Abbott Ball Co., Elmwood Station, Hartford, Conn.
See adv index at end of book
EXCELSIOR STEEL BALL CO., P O Box 52, Buffalo, N. Y.
See adv index at end of book
HOLLOW BALL COMPANY INC. (In all metals—Hollow, Seamless — Maximum Strength—Minimum Weight—¼" to 3"), 1000 Standard Oil bldg, Baltimore, Md.
See adv index at end of book
Waterbury Steel Ball Co., 300 Aurora, Waterbury, Conn.
See adv index at end of book

453— Balls (Cement Mill)

Abbe Paul O. Inc. ("Abbebilt"), 71-A Murray, New York
See adv index at end of book
ABBE ENGINEERING CO., 38 Church, New York *See adv index at end of book*
Allis-Chalmers Mfg. Co. (Forged and Cast Steel), Milwaukee, Wis.
See adv index at end of book
Am. Forge Wks., 1428 18th, Denver, Colo.
Bethlehem Steel Co., Bethlehem, Pa.
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Los Angeles Fdry Co. ("Duroloid"), Los Angeles, Cal.
Midwest Forge & Steel Co., East St. Louis, Ill.
Tioga Steel & Iron Co., 52nd & Grays, Phila., Pa.

454— Balls (Copper)

ABBOTT BALL CO., Elmwood Station, Hartford, Conn.
See adv index at end of book
Boesch Lamp Co., 962 Mission, San Francisco, Cal.
Brimm Leo J. Inc., 119 W 63rd, New York
HOLLOW BALL COMPANY INC. (Hollow, Seamless—Maximum Strength — Minimum Weight—¼" to 3"), 1000 Standard Oil bldg, Baltimore, Md.
See adv index at end of book
Waterbury Steel Ball Co. (To Specifications), 300 Aurora, Waterbury, Conn.
See adv index at end of book

454a—Balls (Copper Nickel)

HOLLOW BALL COMPANY, INC. (Hollow, Seamless—Maximum Strength — Minimum Weight—Perfect Balance. ¼" to 3"), 1000 Standard Oil bldg, Baltimore, Md.
See adv index at end of book

455— Balls (Croquet)

American Hard Rubber Co. (Hard Rubber), 9 Mercer, New York
ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*
Spalding A. G. & Bros., 105 Nassau, New York
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

455a— *Balls (Darning)

Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
See adv index at end of book
ESTES E. B. & SONS, 364 5th av, New York. *See adv index at end of book*

456— Balls (Fall Line)

Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*

457— Balls (Flag Pole)

Bolander L. Ph. & Son, 954 Bryant, San Francisco, Cal.
EXCELSIOR STEEL BALL CO. (Bronze, Brass & Steel), P. O. Box 52, Buffalo, N. Y. *See adv index at end of book*
HOLLOW BALL COMPANY INC. (In all metals ¼" to 3"), 1000 Standard Oil bldg, Baltimore, Md.
See adv index at end of book
Humphrys R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

458-9— Balls (Foot)

Draper Maynard Co. (Leather), Plymouth, N. H.
Goldsmiths' P. Sons (Leather), John Findlay & Charlotte, Cincinnati, O.
Goodrich B. F. Co. (Rubber), Akron, O.
Goodyear Rubber Co. & Rubber Clothing Co. (Rubber), 787 B'way, New York
Goodyear Tire & Rubber Co. (Rubber), Akron, O.
Hodgman Rubber Co. (Rubber), 25 W 43rd, New York
Jarvis W. B. Co. ("Ty Cobb," Leather), Grand Rapids, Mich.
National India Rubber Co., Bristol, R. I.
Rawlings Mfg. Co. ("Leather"), 23rd & Lucas av, St. Louis, Mo.
Reach A. J. Co. (Leather), Tulip & Palmer, Phila., Pa.
Revere Rubber Co. (Rubber), Chelsea, Mass.
Seamless Rubber Co., New Haven, Conn.
Spalding A. G. & Bros. (Leather), 105 Nassau, New York
Tyer Rubber Co. (Rubber), Andover, Mass.
Victor Sporting Goods Co. (Leather), Springfield, Mass.
Wilson Thos. E. & Co., 727 N Sagamon, Chicago, Ill.
Wright & Ditson (Leather), 344 Washington, Boston, Mass.

Balls (Fuller)

See Rubber Goods Mfrs., Mechanical

460— Balls (Glass)

Bache Semon & Co. (Imp), 636 Greenwich, New York
Illinois Glass Co. (Furniture, Caster, etc), Alton, Ill.
Rodefer Glass Co. The, Bellaire, O.

460a— Balls (Gold)

HOLLOW BALL COMPANY INC. (Seamless. Weight 60% less than solid. ¼" to 3"), 1000 Standard Oil bldg, Baltimore, Md.
See adv index at end of book

461— Balls (Golf)

Davidson Rubber Co., Boston, Mass.
JOHNSTON J. W. (Snow White Paint for re-painting Golf Balls), Neu Artz bldg, Rochester, N. Y.
St. Mungo Mfg. Co. ("Arch Colonel," "Star Colonel," "Crescent Colonel"), 121 Sylvan av, Newark, N. J.
Slazenger Frank L., 12 E 43d, New York
Spalding A. G. & Bros., 105 Nassau, New York
U. S. Rubber Co. ("U. S. Royal"), 1790 B'way, New York
See adv index at end of book
Wilson Thos. E. & Co., 727 N Sagamon, Chicago, Ill.
Worthington Ball Co., Elyria, Ohio
Wright & Ditson, 344 Washington, Boston, Mass.

461a— Balls (Grille)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
HOLLOW BALL COMPANY INC. (In all Metals ¼" to 3"), 1000 Standard Oil bldg, Baltimore, Md.
See adv index at end of book
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book

462—Balls (Hand Ball Court)

Goodrich B. F. Co., Akron, O.
Pennsylvania Rubber Co., Jeannette, Pa.
Seamless Rubber Co., New Haven, Conn.
Spalding A. G. & Bros., 125 Nassau, New York

463— *Balls (Hinge)

EXCELSIOR STEEL BALL CO., P. O. Box 52, Buffalo, N. Y.
See adv index at end of book

464— Balls (Hollow)

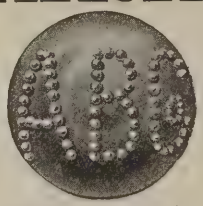
Draper Mfg. Co. (Brass, for Valves, etc), Port Huron, Mich.
EXCELSIOR STEEL BALL CO. (Brass Only), P. O. Box 52, Buffalo, N. Y
See adv index at end of book
HOLLOW BALL COMPANY INC. (Without Seam, Joint or Plug. In all sizes—all metals for every purpose. Maximum Strength—Minimum Weight—Perfect Balance—¼" to 3" size), 1000 Standard Oil bldg, Baltimore, Md.
See adv index at end of book
Hoover Steel Ball Co., Ann Arbor, Mich.
See adv index at end of book
Johnston & Sharp Mfg. Co. (Crucible Steel, Self-Lubricating), Ottumwa, Ia.
Schatz Mfg. Co. (All Metals Except Aluminum), Poughkeepsie, N. Y.

464a— Balls (Kominuter)

Tioga Steel & Iron Co., 52nd & Grays, Phila., Pa.

STEEL BEARING BALLS

BRASS AND BRONZE BALLS



STEEL BURNISHING BALLS

Manufactured by

THE ABBOTT BALL COMPANY (Elmwood Sta.) HARTFORD, CONN.

464b— Balls (Lithographic)

BOGERT & HOPPER, INC. (Wood), 57 Barclay, New York
See adv index at end of book

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

Stiles H. A. & Co., 166-474 Portland, Boston, Mass. *See adv. Index at end of book*

464c— *Balls (Massage)

Estes E. B. & Sons (Wooden), 364 5th av, New York
See adv index at end of book

464d— Balls (Monel Metal)

Abbott Ball Co., Elmwood Station, Hartford, Conn.
See adv index at end of book

American Ball Co., 115 Clifford, Providence, R. I.

Atlas Ball Co., Glenwood av & Fourth, Philadelphia, Pa.

Auburn Ball Bearing Co., Rochester, N. Y.

Edwards Mfg. Co., Cincinnati, O.

HOLLOW BALL COMPANY INC. (Hollow, Seamless, ¼" to 3"—as strong as solid; weight 60% less. The ideal ball for valves), 1000 Standard Oil bldg, Baltimore, Md.
See adv index at end of book

HOOVER STEEL BALL CO. ("Hoover"), Ann Arbor, Mich.
See adv index at end of book

INTERNATIONAL NICKEL CO. THE, 67 Wall, New York (See insert under Monel Metal)
See adv index at end of book

INCO
Monel metal
BALLS
1—Are Rust-Proof and Corrosion Resisting.
2—Seat Perfectly as Ball Valves.
3—Highly Serviceable under Abrasive Conditions.
4—May Solve Your Present Problem. Consult Us.
SEE OUR INSERT AT MONEL METAL
THE INTERNATIONAL NICKEL COMPANY
67 Wall Street New York, N.Y.

Waterbury Steel Ball Co. (To Specification), 300 Aurora, Waterbury, Conn.
See adv index at end of book

465— Balls (Moth)

Briggs Chemical Wks., Amherst, Ohio

White Tar Co., 2 Cliff, New York

465a— Balls (Nickel Alloy)

HOLLOW BALL COMPANY INC. (Hollow, Seamless—Maximum Strength — Minimum Weight—¼" to 3"), 1000 Standard Oil bldg, Baltimore, Md.
See adv index at end of book

466— Balls (Ox)

Peck, Stow & Wilcox Co., Southington, Conn.

Sanders, Frary & Clark, New Britain, Conn.

Sargent & Co., New Haven, Conn.

Woodruff W. W. & Sons Co., Mt. Carmel, Conn.

467—Balls (Phosphor Bronze)

Abbott Ball Co., Elmwood Station, Hartford, Conn.
See adv index at end of book

Everitt Co., 267 Franklin, Boston, Mass.
See adv. Index at end of book

EXCELSIOR STEEL BALL CO., P. O. Box 52, Buffalo, N. Y.
See adv index at end of book

HOLLOW BALL COMPANY INC. (Hollow, Seamless—all sizes—all metals), 1000 Standard Oil bldg, Baltimore, Md.
See adv index at end of book

Metal Ball Co., 43 Foster, Danbury, Conn.

WATERBURY STEEL BALL CO., 300 Aurora, Waterbury, Conn.
See adv index at end of book

468— Balls (Pipe & Flue)

Cyclops Foundry Co., Union Bank bldg, Pittsburgh, Pa.

Pittsburg Iron & Steel Foundries Co. (For Lap Welding Pipes), 4 Oliver bldg, Pittsburg, Pa.

Union Spring & Mfg. Co., New Kensington, Pa.

Balls (Polishing)

See Balls, Steel for Polishing, Etc.

469— *Balls (Polo)

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

470— Balls (Porcelain)

Abbe Paul O. Inc. ("Abbebilt"), 71-A Murray, New York
See adv. Index at end of book

470a— Balls (Pump)

HOLLOW BALL COMPANY INC. (In all metals—¼" to 3". Maximum Strength—Minimum Weight. Perfect Balance. The ideal ball for pump valve. Give greatest efficiency to valves and longest life to ball and seat), 1000 Standard Oil bldg, Baltimore, Md.
See adv index at end of book

471— Balls (Roller Skate)

Abbott Ball Co., Elmwood Station, Hartford, Conn.
See adv index at end of book

Brimm Leo J. Inc., 119 W 63rd, New York

EXCELSIOR STEEL BALL CO. (Steel), P. O. Box 52, Buffalo, N. Y.
See adv index at end of book

HOOVER STEEL BALL CO., Ann Arbor, Mich. *See adv index at end of book*

Waterbury Steel Ball Co., 300 Aurora, Waterbury, Conn.
See adv index at end of book

472— Balls (Rubber)

Baumann Rubber Co., 494 Congress av, New Haven, Conn.

Cincinnati Rubber Mfg. Co., Norwood, Cincinnati, O.
See adv index at end of book

Davol Rubber Co. (Gas Mains, etc), 69 Point, Providence, R. I.

Essex Rubber Co., Trenton, N. J.

Faultless Rubber Co., Ashland, O.

Goodrich B. F. Rubber Co., Akron, O.

Home Rubber Co., Trenton, N. J.

Lambertville Rubber Co., Lambertville, N. J.

472a—Balls (Seamless Hollow)

HOLLOW BALL COMPANY INC. (No Joints, seams or plugs—Maximum Strength—Minimum Weight — Perfect Balance. In all metals—¼" to 3"—for every industrial purpose), 1000 Standard Oil bldg, Baltimore, Md.
See adv index at end of book

INTERNATIONAL NICKEL COMPANY THE (Monel Metal), 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book

Seamless Hollow Ball Co., Baltimore, Md.

472b— Balls (Silver)

HOLLOW BALL COMPANY INC. (Seamless—Weight 60% less than solid—¼" to 3"), 1000 Standard Oil bldg, Baltimore, Md.
See adv index at end of book

472c— Balls (Stainless Steel)

HOLLOW BALL COMPANY INC. (Seamless, Hollow, ¼" to 3", Maximum Strength—Minimum Weight — Perfect Balance), 1000 Standard Oil bldg, Baltimore, Md.
See adv index at end of book

473-4— Balls (Steel)

Abbe Engng. Co., 38 Church, New York
See adv index at end of book

ABBOTT BALL CO. ("Abbott," Highgrade bearing, also all other grades), Elmwood Station, Hartford, Conn.
See adv index at end of book

Ahlberg Bearing Co., 321 E. 29th, Chicago, Ill.

Allis-Chalmers Mfg. Co. (For Crushing & Grinding, Forged & Cast Steel), Milwaukee, Wis.
See adv index at end of book

American Ball Co., 115 Clifford, Providence, R. I.

American Forge Works (Forged), Denver, Colo.

Am. Manganese Steel Co., 14th & State, Chicago, Ill.

Atlas Ball Co. ("Atlas"), N America & Glenwood av, Phila., Pa.

Atlas Steel Corp. ("Atlas"), Dunkirk, N. Y.

Auburn Ball Bearing Co. (Solid), 26 Elizabeth, Rochester, N. Y.

Bacon & Matheson Forge Co. (Grinding), 17H W. Lander, Seattle, Wash.

Baird Machine Co. (For Burnishing), Stratford, Bridgeport, Conn.

Bemco Mfg. Co. ("Bemco"), 243 W 55th, New York.

Bethlehem Shipbuilding Corp., Ltd. (For Crushing & Grinding), 20th & Michigan, San Francisco, Cal.

Bethlehem Steel Co., Bethlehem, Pa.

Boker Hermann & Co. (Imported), ("Gibraltar," "Novo Superior," "Intra"), 101 Duane, New York

Brimm Leo J. Inc. ("Brimm" Imp. & Domestic), 119 W 63rd, New York

Darling Valve & Mfg. Co., Ltd., Williamsport, Pa.

Draper Mfg. Co. (For Valves), Port Huron, Mich.

Economy Mills (Semi-Steel Grinding), High, Oakland, Cal.

Everitt Co., 267 Franklin, Boston, Mass.
See adv. Index at end of book

EXCELSIOR STEEL BALL CO., P. O. Box 52, Buffalo, N. Y.
See adv index at end of book

General Mfg. Co. (Burnishing), Waterbury, Conn.

Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.

GWILLIAM CO., 255 W 58th, New York
See adv. Index at end of book

BALLS

ANY SIZE-ANY METAL

FOR EVERY INDUSTRIAL APPLICATION

HOLLOW

NO SEAMS - NO JOINTS - NO PLUGS

MAXIMUM STRENGTH
MINIMUM WEIGHT

PERFECT BALANCE

MADE TO ANY
REQUIRED ACCURACY

Made in

STEEL
BRASS, COPPER
ALUMINUM
MONEL METAL
STAINLESS STEEL
ETC., ETC.

In standard sizes from ¼ in. to 3 in.

FOR

PUMP VALVES
PNEUMATIC VALVES
RELIEF VALVES
VENT VALVES
BALL JOINTS
Etc.

CHECK VALVES
CYLINDER COCKS
BEARINGS
CASTERS
Ornamental Purposes
Etc.

The **HOLBOL** Manufacturing Process Is A Automatic Inspection Against Defective Balls

WHEREVER BALLS ARE USED—**HOLBOLS** EXCEL

HOLLOW BALL COMPANY

INCORPORATED

1003 STANDARD OIL BUILDING
BALTIMORE, MD.

HOLBOL TRADE MARK

HOLBOL TRADE MARK

BALLS

ANY SIZE - ANY METAL
FOR EVERY INDUSTRIAL APPLICATION

HOLLOW
NO SEAMS - NO JOINTS - NO PLUGS

MAXIMUM STRENGTH
MINIMUM WEIGHT

PERFECT BALANCE

MADE TO ANY
REQUIRED ACCURACY

Made in
STEEL
BRASS, COPPER
ALUMINUM
MONEL METAL
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PUMP VALVES
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Etc.

CHECK VALVES
CYLINDER COCKS
BEARINGS
CASTERS
Ornamental Purposes
Etc.

The **HOLBOL** Manufacturing Process Is An Automatic Inspection Against Defective Balls

WHEREVER BALLS ARE USED—**HOLBOLS** EXCEL

HOLLOW BALL COMPANY

INCORPORATED

1003 STANDARD OIL BUILDING
BALTIMORE, MD.

HOLBOL TRADE MARK

HOLBOL TRADE MARK

EXCELSIOR STEEL BALLS

In All Sizes for All Kinds of Bearings

Forged from high grade, solid steel bars and carefully hardened and ground.

Also bronze bell metal and brass balls for valves, spray pumps, paper mill pumps, etc.

Excelsior Steel Ball Co.

Established 1887

P. O. Box 52, Buffalo, N.Y. Cable Address, Ballco, Buffalo, Western Union Telegraph Code "Universal Edition."

STEEL BALL STANDARD SIZES AND WEIGHTS

Size in Inches	Decimal	Number per Lb.	Size in Inches	Decimal	Weight in Oz.
1/16	.0625	27,904	13/16	.8125	1-1/2
3/32	.0937	8,264	7/8	.8750	1-3/4
1/8	.1250	3,400	15/16	.9375	2
5/32	.1563	1,770	1"	1.000	2-1/2
3/16	.1875	1,030	1-1/8	1.125	3-1/2
7/32	.2188	640	1-1/4	1.250	4-3/4
1/4	.2500	430	1-3/8	1.375	6-1/4
9/32	.2813	300	1-1/2	1.500	8
5/16	.3125	220	1-5/8	1.625	10
11/32	.2438	165	1-3/4	1.750	13
3/8	.3750	125	1-7/8	1.875	15-1/2
7/16	.4375	80	2"	2.000	19-1/4
1/2	.5000	52	2-1/4	2.250	27
9/16	.5625	36	2-1/2	2.500	37
5/8	.6250	28	2-3/4	2.750	49
11/16	.6875	21	3"	3.000	64
3/4	.7500	16	3-1/4	3.250	81-1/2
			3-1/2	3.500	101-1/2
			3-3/4	3.750	125
			4"	4.000	152

HOLLOW BALL COMPANY INC. (Hollow, Seamless—all metals—all sizes from ¼" to 3" for every purpose. Maximum Strength—Minimum Weight — Perfect Balance), 1000 Standard Oil bldg, Baltimore, Md.
See adv index at end of book

Hoover Steel Ball Co., Ann Arbor, Mich.
See adv index at end of book

HOOVER

The World's Largest Ball Plant

STEEL · BRASS · BRONZE
MONEL METAL
BELL METAL
ALUMINUM
and
HOLLOW BALLS

HOOVER STEEL BALL CO.
ANN ARBOR, MICHIGAN

BALLS

Hough Chas. N. Mfg. Co., Franklin, Pa.
Jones Ball Co., Arlington Heights, Mass.
JOHNSON-PETER CO., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Meckel Fred L., 11 E 13th, Chicago, Ill.
Metal Ball Co., 43 Foster, Danbury, Conn.
Midwest Forge & Steel Co., East St. Louis, Ill.
NEW DEPARTURE MFG. CO. ("New Departure"), Bristol, Conn.
See adv index at end of book
Probst C. F. Mfg. Co. (Burnishing), 530 Watertown av, Waterbury, Conn.
R.-I.-V. Co. ("R.-I.-V.-Hoffman," All Sizes), 250 W 57th, New York
Schatz Mfg. Co. (Solid and Hollow Pressed Steel), Poughkeepsie, N. Y.
Smith Richardson Co. (For Burnishing), Attleboro, Mass.
Standard Steel & Bearings, Inc., 50th & Lancaster av, Phila., Pa.
Strom Steel Ball Co. ("Strom"), 618 Garfield, Oak Park, Ill.
Tioga Steel & Iron Co. (For Grinding Purposes), 52nd & Grays, Phila., Pa.
Union Switch & Signal Co., Swissvale, Pa.
Wallace Supplies Mfg. Co., 1312 Diversey Parkway, Chicago, Ill.
WATERBURY STEEL BALL CO., 300 Aurora, Waterbury, Conn.
See adv index at end of book
Western Tool & Forge Co. (Forged), Brackenridge, Pa.

475— Balls (Steel, for Polishing & Burnishing)

ABBOTT BALL CO. ("Abbott"), Elmwood Station, Hartford, Conn.
See adv index at end of book
Baird Mach. Co., Stratford, Bridgeport, Conn.
EXCELSIOR STEEL BALL CO., P. O. Box 52, Buffalo, N. Y.
See adv index at end of book
General Mfg. Co., Waterbury, Conn.
Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.
Hoover Steel Ball Co., Ann Arbor, Mich.
See adv index at end of book
Metal Ball Co., 43 Foster, Danbury, Conn.
Probst C. F. Mfg. Co., 530 Watertown av, Waterbury, Conn.
Smith Richardson Co., Attleboro, Mass.
WATERBURY STEEL BALL CO. ("Waterbury Brand"), 300 Aurora, Waterbury, Conn.

475a—Balls (Stoneware, Hollow)

General Ceramics Co., 50 Church, New York
Knight, Maurice A., Akron, O.

476— Balls (Tank)

Canfield H. O. Co. ("Canfield" Rubber), 191 Houstanic av, Bridgeport, Conn.
Essex Rubber Co., Trenton, N. J.
Good Mfg. Co. (Rubber), 305 E 134th, New York
Goodrich B. F. Co. ("Pinnacle" Rubber), Akron, O.
HOLLOW BALL COMPANY INC. (All metals ¼" to 3"), 1000 Standard Oil bldg, Baltimore, Md.
See adv index at end of book
Norwalk Mfg. Co. (Rubber), E Norwalk, Conn.
Schacht Rubber Mfg. Co. (Rubber), Huntington, Ind.
U. S. RUBBER CO. ("Cleveland," "Meruco," "Usco"), 1790 B'way, New York
See adv index at end of book
Woodward Wanger Co., 1106 Spring Garden, Phila., Pa.

477— Balls (Tea)

Aluminum Goods Mfg. Co. (Aluminum), Manitowoc, Wis.
Cassady Fairbank Mfg. Co. (Aluminum), 6126 S La Salle, Chicago, Ill.
Hamblin & Russell Mfg. Co. (Wire), 28 Water, Worcester, Mass.
Parker Wire Goods Co. (Wire), Worcester, Mass.
Standard Aluminum Co. (Aluminum), Two Rivers, Wis.
Woods-Sherwood Co. ("Sherwood's"), 28 Union, Worcester, Mass.

478— Balls (Tennis)

Goodrich B. F. Co. ("Goodrich"), Akron, O.
McLoughlin, Bundy & Sinsbaugh, 545 S Spring, Los Angeles, Cal.
Pennsylvania Rubber Co. (Hand-Made Championship), Jeannette, Pa.
Seamless Rubber Co., New Haven, Conn.
Wilson Thos. E. & Co., 727 N Sagamon, Chicago, Ill.
Wright & Ditson, 344 Washington, Boston, Mass.

479— *Balls (Tin)

Waterbury Steel Ball Co. (To Specification), 300 Aurora, Waterbury, Conn.
See adv. Index at end of book

480— Balls (Tumbling Barrel)

ABBOTT BALL CO. ("Abbott"), Elmwood Station, Hartford, Conn.
See adv index at end of book
Baird Machine Co. (Steel), Stratford, Bridgeport, Conn.
EXCELSIOR STEEL BALL CO., P. O. Box 52, Buffalo, N. Y.
See adv index at end of book
Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.
Jones Ball Co., Arlington Heights, Mass.
Metal Ball Co., 43 Foster, Danbury, Conn.
Probst C. F. Mfg. Co., 530 Watertown av, Waterbury, Conn.
Smith, Richardson Co. (Steel), Attleboro, Mass.
WATERBURY STEEL BALL CO., 300 Aurora, Waterbury, Conn.
See adv index at end of book

480a— Balls (Universal)

HOLLOW BALL COMPANY INC. (All metals — ¼" to 3". Maximum Strength — Minimum Weight), 1000 Standard Oil bldg, Baltimore, Md.
See adv index at end of book

481— *Balls (Vacuum Cleaner)

EXCELSIOR STEEL BALL CO. (Steel), P. O. Box 52, Buffalo, N. Y.
See adv index at end of book
HOLLOW BALL COMPANY INC. (All metals—¼" to 3"), 1000 Standard Oil bldg, Baltimore, Md.
See adv index at end of book

482— *Balls (Valve)

EXCELSIOR STEEL BALL CO. (Steel, Brass & Bronze), P. O. Box 52, Buffalo, N. Y. *See adv index at end of book*
HOLLOW BALL COMPANY, INC. (In all metals — ¼" to 3". Maximum Strength—Minimum Weight — Perfect Balance. The ideal valve ball. Greatest efficiency, longest life for ball and seat), 1000 Standard Oil bldg, Baltimore, Md.
See adv index at end of book

482a—Balls (White Metal)

HOLLOW BALL COMPANY INC. (Hollow Seamless—all metals), 1000 Standard Oil bldg, Baltimore, Md.

483— Balls (Wood)

American Enamel Co. (Plain & Enameled), Neville, Providence, R. I.
American Sash & Door Co. (Wholesale Mfrs.), 16th & Bellefontaine, Kansas City, Mo.
Artistic Wood Turning Works, 515 N. Halsted, Chicago, Ill.
BOGERT & HOPPER (All kinds for All Purposes, Plain or Enameled), 57 Barclay, New York
See adv index at end of book
Carr, Ryder & Adams Co., Dubuque, Iowa
ESTES E. B. & SONS (All Kinds, for All Purposes, Plain or Enameled), 364 5th av, New York
See adv index at end of book
Frary Mfg. Co., Charlemont, Mass.
Huttig Mill Wk. Co., Independence & White, Kansas City, Mo.
McMillan's W. H. Sons (Ten Pin), 153 South, New York
Nashua Spool & Bobbin Co., Haverhill National Bank bldg, Haverhill, Mass.
Novelty Turning Co., Norway, Me.
Oshkosh Mfg., Oshkosh, Wis.
Peterson F. W. Co., 113 Greene, New York
Rowe Henry Mfg. Co., Newaygo, Mich.
Standard Turning Works, Cambridge, Mass
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

484— Balls (Zinc)

EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
Scott Roofing & Mfg. Co., 408 Culvert, Cincinnati, O.
Waterbury Steel Ball Co., 300 Aurora, Waterbury, Conn.
See adv. Index at end of book

485— Balusters

American Sash & Door Co., 16th & Bellefontaine, Kansas City, Mo.
Crown Iron Wks. Co., 1229 Tyler, Minneapolis, Minn.
National Mill & Lbr. Co. (Turned), 20 Market, San Francisco, Cal.
Stewart Iron Wks. Co. Inc., 238 Stewart blk, Cincinnati, O.
See adv index at end of book
Washington Mfg. Co. (Fir), 824 E. 25th, Tacoma, Wash.

485a—Balustrades & Railings

American Safety Lamp & Mine Supply Co., 1327 Capouse av, Scranton, Pa.
Cincinnati Iron Fence Co. (Iron only), 3312 Spring Grove av, Cincinnati, O.
See adv index at end of book
Gorham Co. Architectural Bronze, 5th av & 36th, New York
Tyler W. S. Co. (Iron & Bronze), Cleveland, O. *See adv index at end of book*
Washington Mfg. Co. (Fir), 824 E. 25th, Tacoma, Wash.
Wis Iron & Wire Works, 1660H Booth, Milwaukee, Wis.
Wrobbel-Maine Co. The, 3106 E 63rd, Cleveland, O.

486— Bamboo

Demarest Chas. H. Inc. (Imp.), 227 Water, New York
Fearon Brown Co. (Ink), 96 Wall New York
Frazar & Co. (Imp.), 30 Church, New York
Husselrath Importing Co. (Imp.), 256 Church, New York

486a— Banana Liquids

Am. Wood Preserving Co., 3743 N Marshfield av, Chicago, Ill.

486b—*Band Iron (Soft Annealed)

CARY MFG. CO., Nassau & Jay, Brooklyn, N. Y. *See adv index at end of book*

Bandages (Surgical, Cotton)

See Gauze, Surgical

487—Bandages (Surgical. Rubber)

Ajax Rubber Co., 220 W 57th, New York
Bailey C. J. & Co., 88 Broad, Boston, Mass.
Davidson Rubber Co., Boston, Mass.
Davol Rubber Co., 69 Point, Providence, R. I.
Goodrich B. F. Rubber Co., Akron, O.
Hodgman Rubber Co., 25 W 43rd, New York
Kendrick, James R. Co., Dept H, Germantown av & Pastorius av, Germantown, Phila, Pa.
Miller Rubber Co., Akron, O.
Myers Mfg. Co., Fremont, O.
National India Rubber Co., Bristol, R. I.
Parker, Stearns & Co., 286 Sheffield av, Brooklyn, N. Y.
Seamless Rubber Co., Hallock av, New Haven, Conn.
Star Rubber Co., Akron, O.
Tyer Rubber Co., Andover, Mass.

488— Banding (Braided)

See also Banding, Cotton

Covel & Osborn Co., Fall River, Mass.
Frost, Geo T. & Sons, Paterson, N. J.
Hoffman-Corr Mfg. Co., 312 Market, Phila., Pa.
Hooper Sons Mfg. Co., Juniper & Cherry, Phila., Pa.
Lambeth Rope Corp., New Bedford, Mass.
Mallison Braided Cord Co., Athens, Ga.
Rochester Woven Belting Corp., East Rochester, N. Y.
Small Bros. Fall River, Mass.
Standard Braid Co., Attleboro Falls, Mass.
Toohey M. J. & Co., Fall River, Mass.
Whittier Mills Co., Chattahoochee, Ga.
Young John B. J. & Levick, Phila., Pa.

489— Banding (Cotton)

See also Banding, Braided

Am. Supply Co., 135 Washington, Providence, R. I.
Beebe Cordage Co., Rockaway, N. J.
Bibb Mfg. Co. (Braided), Macon, Ga.
Buffalo Weaving & Belting Co., 215 Chandler, Buffalo, N. Y.
Chase F. A. & Co., 253 W Exchange, Providence, R. I.
Cohankus Mfg. Co., Paducah, Ky.
Covel & Osborn Co., Fall River, Mass.
Elder Jas., 230 W Coulter, Germantown, Phila., Pa.
Hodson John M., Markle & Boone, Phila., Pa.
Hoffman-Corr Mfg. Co., 312 Market, Philadelphia, Pa.
Hooper Sons Mfg. Co., Juniper & Cherry, Phila., Pa.
Hooper Wm. E. & Sons Co., 3502 Parkdale av, Baltimore, Md.
International Braid Co., 47 Charles, Providence, R. I.
Lees Mfg. Co., Westport, Conn.
Rochester Woven Belting Corp., East Rochester, N. Y.
Russell Mfg. Co. ("Rusco"), Dept. H, Middletown, Conn.
Small Bros., Fall River, Mass.
Standard Braid Co., Attleboro Falls, Mass.
Tennessee Line & Twine Co., Elizabethton, Tenn.
Toohey M. J. & Co., Fall River, Mass.
Unity Cotton Mills, La Grange, Ga.
Young John B. J. & Levick, Phila., Pa.

490— Bands (Boom)

Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Wilcox, Crittenden & Co. Inc. (Adjustable Goose Neck, etc.), 444 S. Main, Middletown, Conn. *See adv. Index at end of book*

490a— Bands (Box and Bale)

Cary Mfg. Co., Nassau & Jay, Brooklyn, N. Y.
See adv index at end of book
Chicago Steel & Wire Co. (Wire), 10257 Torrence av, Chicago, Ill.
Consolidated Steel Strapping Co., 2600-20 N Western av, Chicago
See adv index at end of book

491— Bands (Brake)

Bossert Corp. (The), cor. Linden & West av, Utica, N. Y.
Columbia Steel Co., Elyria, O.
Continental Fibre Co. (Fibre), Newark, Del.
Cramp Wm. & Sons, Ship & Engine Building Co., Beach & Ball, Phila., Pa.
Crosby Co., 183 Pratt, Buffalo, N. Y.
Delaware Hard Fibre Co. (Automobile Hard Fibre), Wilmington, Del.
See adv index at end of book
Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.
Hill-Smith Metal Goods Co. ("H. S."), 82 Brookline av, Boston, Mass.
Kales Stamping Co., 1630 W. Lafayette blvd, Detroit, Mich.
See adv. Index at end of book
Keasbey & Mattison Co. ("Kaynum" Asbestos only), Ambler, Pa.
Laclede Steel Co., Arcade bldg, St. Louis, Mo.
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
Norwalk Auto Parts Co., Norwalk, Ohio
Reliance Engineering Co., Lansing, Mich.
Raybestos Co. ("Raybestos," "Duplex"), Bridgeport, Conn.
West Leechburg Steel Co., Farmers Bank bldg, Pittsburgh, Pa.
Zeigler Mfg. Co., Alexandria, Ind.

492— Bands (Brass)

BALTIMORE TUBE CO., Wicomico & Ostend, Baltimore, Md.
See adv index at end of book
Bridgeport Brass Co. (& Bronze), Bridgeport, Conn.
Waterbury Brass Goods Corporation (Fancy & Perforated), Waterbury, Conn.
Zeigler Mfg. Co., Alexandria, Ind.

493— Bands (Brush)

Cunningham Mfg. Co., San Fernando rd, Glendale, Cal.
Lothrop F. B. Co., South Acton, Mass.

493a— Bands (Fly Wheel)

Brodie Ralph N. Co. ("Gear-O-Lite"), 1353 E 12th, Oakland, Cal.
Kauffman Metal Products (Automobile), Bellefontaine, O.
WASHINGTON MACHINE & SUPPLY CO. (Automobile), Division & O. W. R. & N. tracks, Spokane, Wash.
See adv index at end of book

Bands (Hose)

See Clamps, Hose

494— Bands (Hub & Rim)

Eastern Malleable Iron Co. ("Warner," "Locke & Jewel," "Rouse," "Kenny," "Dietz," "Sweet's Concealed," etc), Naugatuck, Conn.
Meeker Mfg. Co., Dayton, O.
Searle Mfg. Co., 29 Mulberry, Newark, N. J.

495-6— Bands (Kiln)

Arnold-Creager Co., New London, O.
Bourne Fuller Co., Hanna bldg, Cleveland, O.
Tecktonius E. C. Mfg. Co., Racine, Wis.

497— *Bands (Metal Bale)

CARY MFG. CO., Nassau & Jay, Brooklyn, N. Y. *See adv index at end of book*

Bands (Neck Yoke)

See Irons, Neck Yoke

498— Bands (Pipe & Tank)

American Bridge Co., 30 Church, New York
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Ballard Drop Forge Co. (Steel), Seattle, Wash.
Carnegie Steel Co., Carnegie Bldg, Pittsburgh, Pa.
Central Foundry Co. (For Cast Iron Pipe), 41 E. 42nd, New York.
Colorado Fuel & Iron Co., 840 17th, Denver, Colo.
Eagle Tank Co., 2443 N Crawford av, Chicago
Illinois Steel Co., 208 S La Salle, Chicago, Ill.
Laclede Steel Co., Arcade bldg, St. Louis, Mo.

498a— Bands (Pole)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

499— Bands (Polishing)

Besly Chas. H. & Co. ("Besly"), 118 N Clinton, Chicago, Ill.
Gardner Machine Co. ("Gardner"), S Beloit Div, Beloit, Wis.

499a— Bands (Projectile)

Bridgeport Brass Co. (Copper), E Main, Bridgeport, Conn.

500— Bands (Rubber)

American Lead Pencil Co., 220 5th av, New York
Davol Rubber Co., 69 Point, Providence, R. I.
Dykema Co. (Dirs.), 1023 Liberty av, Pittsburgh, Pa.
Easthampton Rubber Thread Co. (Para Rubber), Easthampton, Mass.
Empire Tire & Rubber Corp., East Trenton, N. J.
Faber A. W., 41 Dickerson, Newark, N. J.
Faber Eberhard Pencil Co., 37 Greenpoint av, Brooklyn, N. Y.
Goodrich B. F. Rubber Co. (For All Uses), Akron, O.
Goodyear Tire & Rubber Co., Akron, O.
Hodgman Rubber Co., 25 W 43rd, New York
National India Rubber Co., Bristol, R. I.
Parker, Stearns & Co. ("Alpha"), 286 Sheffield av, Brooklyn, N. Y.
Quaker City Rubber Co., 624 Market, Phila., Pa.
Tyer Rubber Co. ("Ajax"), Andover, Mass.

501— Bands (Sand & Mud)

Concord Axle Co. ("Farris"), Penacook, N. H.
Trenton Malleable Iron Co., Trenton, N. J.

502-3—Bands (Shingle, Box & Shook)

See also Box Straps

Acme Steel Goods Co. (Also Bale), 2834 Archer av, Chicago, Ill.
Cary Mfg. Co., Nassau & Jay, Brooklyn, N. Y. *See adv index at end of book*
De Haven Mfg. Co., 50 Columbia Heights, Brooklyn, N. Y.
Hollow Cable Mfg. Co. (Patent Braided Wire Box), Hornell, N. Y.
Krenz Oscar Copper & Brass Wks., 612 Bryant, San Francisco, Cal.
Laclede Steel Co., Arcade bldg, St. Louis, Mo.

Bank Fixtures

See Bank & Office Fixtures, Metallic; also Store & Bar Fixtures

504— Bank Vaults

AMERICAN ABRASIVE METALS CO. ("Ferrox" Burner & Drill Resisting Plates), 50 Church, New York
American Safe Co., Anderson, Ind.
Barnes Safe & Lock Co., 941 Liberty, Pittsburgh, Pa.
Bethlehem Steel Co., Bethlehem, Pa.
Cary Safe Co., 1200 Niagara, Buffalo, N. Y.
DIEBOLD SAFE & LOCK CO., Canton, O.
See adv. Index at end of book
Gross-Feibel Co., Hillsboro, O.
HALL'S SAFE CO., P. O. Box 846, Cincinnati, O. *See adv index at end of book*
Harrigan Safe Co., 917 B'way, Kansas City, Mo.
Hermann Safe Co. (Mfrs.), 216-24 Fremont, San Francisco, Calif.
Herring-Hall-Marvin Safe Co., Hamilton, O.
Manganese Steel Safe Co. ("Tisco" Manganese Steel), High Bridge, N. J.
Miller Safe Co., Fremont av & Briscoe, Baltimore, Md.
Mills Wm. J., 25 Bainbridge, Brooklyn, N. Y.

Mosler Safe Co., Hamilton, O.
National Safe & Lock Co., 2341 E. 69th, Cleveland, O.
Remington & Sherman Co., 359 B'way, New York
Schwab Safe Co., Lafayette, Ind.
Trumbull Safe & Vault Co., 77 W Lake, Chicago, Ill.
Van Dorn Iron Works Co (The), (Equipment), 2700 E 79th, Cleveland, O.
See adv index at end of book
Victor Safe & Lock Div., The Safe Cabinet Co. (Manganese Steel), Norwood, Norwood, Cincinnati, O.
York Safe & Lock Co., York, Pa.

505—Bank & Office Fixtures (Metallic)

Art Metal Construction Co., Jamestown, New York
Art Metal Products Co., 514 S Green, Chicago, Ill.
Baldwin Brass Wks., 407 S Clinton, Chicago, Ill.
Barshal Co., 2031 Euclid av, Cleveland, O.
Berger Mfg. Co., 1038 Belden av, N E, Canton, O.
Brassco Mfg. Co., 5029 S Wabash av, Chicago, Ill.
Canton Art Metal Co., 920 Market av S, Canton, O.
Central Metal Products Co. ("C. M. P."), Canton, Ohio
Davidson, J. L., Co. (also "Rolltop" Coin Guards), 644-48 Mateo, Los Angeles, Cal.
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Edwards O. M. Co., Inc., Syracuse, N. Y.
Ehrlich H. & Sons Mfg. Co., St Joseph, Mo.
Ellison Brass Mfg. Co. (Brass & Bronze), Jamestown, N. Y.
GENERAL FIREPROOFING CO. (THE) ("All-steel"), 2308 Logan av, Youngstown, O.
See adv index at end of book
Heath J. S. Co. (Also Store), Franklin & Ontario, Chicago, Ill.
Hungerford, U. T., Brass & Copper Co. ("Star"), 86 Lafayette, New York
Inter-Ocean Cabinet Co. (Special), 320 S Paulina, Chicago, Ill.
Invincible Metal Furn. Co., Manitowoc, Wis.
Lasar Mfg. Co., 1313 N 16th, St. Louis, Mo.
Library Bureau, Dept. H, Cambridge, Mass.
NEWMAN MFG. CO., 420 Elm, Cincinnati, Ohio
Portland Wire & Iron Works, 294 2nd, Portland, Ore.
Revell A. H. & Co., 141 S Wabash av, Chicago, Ill.
Stiffel & Freeman Co., Lititz, Pa.
Steel Fixture Mfg. Co., Topeka, Kan.
VAN DORN IRON WORKS CO. (THE), 2700 E 79th, Cleveland, Ohio
See adv index at end of book
Watson Mfg. Co., Jamestown, N. Y.
West Coast Wire & Iron Works, 861 Howard, San Francisco, Cal.
Wis. Iron & Wire Wks., 1660 Booth, Milwaukee, Wis.

506— Bank & Office Railings

See also Bank & Office Fixtures, Metallic
See also Fixtures, Bank, Office & Store

CALIFORNIA.

LOS ANGELES—American Wire & Iron Works, 323-325 N San Pedro.
Atlas Ornamental Iron Works, 2510 E 52d
Biescar Bros., 324 E. 1st.
City Ornamental Iron Works, 755 E 15th
City Wire & Iron Works Inc., 335 N San Pedro.
Niederer J. Co.
SAN FRANCISCO—California Artistic Metal & Wire Co., 349 7th
Graff A. & Sons (Brass), 39 Shipley, San Francisco, Cal.
Kehoe Display Fixture Co., 541 Market, San Francisco, Cal.
Monarch Iron Works, 262 7th
Rudgar-Merle Co., 198 Bay
Sperry Wire & Iron Works, 178 Oak
Standard Brass & Bronze Mfg. Co., 159 14th
WEST COAST WIRE & IRON WORKS, 861 Howard

COLORADO.

DENVER—Jackson Richter Iron Works Co.
Pioneer Iron & Wire Works Co., 1435 Market
Verdeckberg Iron & Wire Works Co., 1109 California

CONNECTICUT.

BRIDGEPORT—Barnes T. M., 230 Stratford av
HARTFORD—Howard James L. & Co.
MERIDEN—Bradley & Hubbard Mfg. Co.
NEW HAVEN—Smith Edw. F.
Smith John P. & Co.
SOUTHPORT—Jelliff Co. O. Mfg. Corp., P. O. Box 68

GEORGIA.

ATLANTA—Muller Geo. W. Bank Fixture Co.
Southern Wire & Iron Works, 59 Martin

ILLINOIS.

CHICAGO—American Iron & Wire Works, 1622 Carroll av
Baldwin Brass Works, 407 S Clinton
Barbee Wire & Iron Works, 111 Washington
Brassco Mfg. Co., 5029 S Wabash av
Central Architectural Iron Works, 3105 W 27th
Coleman Adelbert E., 336 W 37th
Columbia Wire & Iron Works, 4527 W Lake
Hanke Iron & Wire Wks., 800 N Albany av
Heath J. S. Co., Franklin & Ontario
Heath-Johnson Co., 300 W Ontario
Hester Mfg. Co., 5035 S Wabash av
Hickey M. H., 36 W Randolph
Imperial Brass Mfg. Co. (Brass), 1200 W Harrison
Johnson Meier Co., 155 Wendell
Newman Mfg. Co., 68 W Washington
SMITH F. P. WIRE & IRON WORKS, 2340-48 Clybourn av
See adv index at end of book
Sullivan-Korber Co., 2437 W 21st pl
United Ornamental Iron Works, 189 W Madison
Voss Fred'k, 552 W Monroe
Western Ach'l Iron Co., 211 W Schiller
QUINCY—Van Doorn Co.
SYCAMORE—Turner Brass Works

INDIANA.

EVANSVILLE—International Steel & Iron Co. (Wire & Iron)
Mesker Geo. L. & Co. (Wire & Iron)
INDIANAPOLIS—Geiger & Peters, 1709 Madison av.
KOKOMO—Kokomo Steel & Wire Co. (Wire & Iron)
LAFAYETTE—Barbee Wire & Iron Works
TERRE HAUTE—Up-to-Date Mfg. Co.

IOWA.

DUBUQUE—Trenk Wire Works

KANSAS.

TOPEKA—Capital Iron Works Co.
WICHITA—Christopher Geo. C. & Son

KENTUCKY.

COVINGTON—Michael's Art Bronze Co.
LOUISVILLE—Champion Wire & Iron Works
Dow Wire & Iron Works

MAINE.

PORTLAND—Megquier & Jones Co., 31 Pearl

MARYLAND.

BALTIMORE—Balderston H & Son, 505 W Franklin
Chesapeake Iron Works, Westport
Dufur & Co. (Wire), 311 N Howard
Jones L. E., 321 N Calvert
Meiser H. & Son, 204 Clay

MASSACHUSETTS.

BOSTON—Bassill Louis Co., 100 Utica
Boston Nickel Plating Co. (Brass), 245 Cambridge
Everitt Co. (Brass), 267 Franklin.
See adv index at end of book
Hub Wire Cloth & Wire Work Co., 16 Canal
McGANN THOS. F. & SONS CO. (Grilles), 117 Portland
See adv index at end of book
Morss & Whyte Co., Sidney & Pilgrim
Nelson Bros., 62½ Thayer
Scrannage Bros. (Brass), 77 Travers
Whyte Oliver & Co., 73 Cornhill
GLOUCESTER—Success Mfg. Co.
SPRINGFIELD—Bigelow Cheney Wire Works, 417 Liberty
WORCESTER—Wickwire Spencer Steel Corp.
See adv index at end of book

MICHIGAN.

DETROIT—Acme Fancy Wire Works, Canfield & Moran
Art Brass & Wire Works, 107 E Ford
Barnum E. T. Wire & Iron Works, 501-23 Cass av
De Croupet Iron Works, 1369 Monroe av
Detroit Arch'l Iron Works Co., Book bldg
Inglis Wm., Wire & Iron Works, 960 Harper
Mansfield Steel Corp., 288 Milwaukee av E.
Phoenix Wire Wks., Kirby & Dequindre
GRAND RAPIDS—Grand Rapids Ornamental Iron & Wire Works
Metal Office Furn. Co.
Weatherly Co. (Brass & Iron)

MINNESOTA.

MINNEAPOLIS—Crown Iron Works Co., 1229 Tyler.
Flour City Ornamental Iron Co., 27th & 27th av
Kienzle-Merrick Mfg. Co., 1214 S 3d
Minneapolis Ornamental Iron Co., 143 27th av S E
Twentieth Century Brass Works, 514 5th av S
ST. PAUL—Herzog Iron Works
Twin City Iron & Wire Co., 25 W. Water.

MISSOURI.

KANSAS CITY—Central Brass Works Co., 215 Goodrich pl
Kansas City Wire & Iron Works, 1428 Oak
Kleeman L. F. Mfg. Co., 1923 Central
Southwest Wire & Iron Works Co.
Tilk Frank Ornamental Iron Works Co., 1722 Tracey
ST. JOSEPH—Voltz Mfg. Co., 914 Penn.
ST. LOUIS—Kraushaar Brass Mfg. Co., 919 Pine
Lasar Mfg. Co., 1313 N 16th
St. Louis Brass Mfg. Co., Jefferson & Washington av
St. Louis Wire & Iron Co., 926 Chouteau av

NEW JERSEY.

NEWARK—Gould's M. Son & Co. (Brass & Bronze), 115 Lafayette
Industrial Wire & Metal Works, 85 High
Riley-Klotz Mfg. Co., 17 Mulberry (Square Tubing)
Storsberg Fritz Co., 20 Atlantic

NEW YORK.

BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—**BUFFALO WIRE WORKS CO.**, 453 Terrace.
See adv index at end of book
Sanford Thomas F., 232 B'way
Zero Valve & Brass Mfg. Co., 643 4th (Brass Only)
JAMESTOWN—Art Metal Construction Co.
Ellison Brass Mfg. Co. (Brass & Bronze)

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—American Brass Fixture Works (Brass & Bronze), 67 Engrt av
Grosback Wm. & Co., 37 Maspeth av
Hecla Iron Works (Iron, Brass & Bronze), 118 N 11th
Mills W. J., 25 Bainbridge
Penn. Brass & Bronze Works (Brass, Bronze, etc), 111 Dobbin

Boroughs of Manhattan and Bronx.

NEW YORK—Anchor Post Iron Works, 50 Church, New York
See adv index at end of book
Bataillie Achille & Co., 401 West
Cabaret Paul E. & Co. (Bronze), 412 E 125th
Chapman Wm. O. Co., 30 Church
Coco Bros., 13 Baxter
Estey Wire Works Co., 34 Cliff
Ferro-Studio Inc., 228 E. 150th.
FISKE J. W. IRON WORKS, 111 Park pl
Gorham Co. Arch'l Bronze, 5th av & 36th; Works: Providence, R. I.
Guerin P. E. (Inc.), 21 Jane
Henry-Bonnard Bronze Co. (Bronze & Ornamental Iron & Brass), 111 Broadway
Hopkins & Co., 199 Franklin
Howard & Morse, 45 Fulton
Hungerford U. T. Brass & Copper Co. (Of all Descriptions), 80 Lafayette
Janusch Mfg. Co. (Brass & Bronze), 290 E 135th
Manhattan Brass Co., 332 E 28th
New York Brass & Wire Works Co., 177 Grand
Pitt, Wm. R. Composite Iron Works, 548 W. 27th
Stolp Oscar, 20 Fletcher
Thompson Hervey, 233 B'way
Tiffany Studios, 361 Madison av
TYLER W. S. CO. (of Cleveland, O.), 247 Park av
See adv index at end of book
Wells Architectural Iron Co., River av & 151st
Williams George A. & Son, 85 Fulton

Borough of Queens.

ASTORIA—Federal Brass & Bronze Co., Ridge
MASPETH—Richey, Brown & Donald, Flushing av
(End of New York City)
NORWICH—Norwich Wire Works
ROCHESTER—Snow Wire Works Co.
White Wire Works Co.
SYRACUSE—Edwards O. M. Co., Inc.
Market Mfg. Co. (Wood), 622 E Water
Smith & Caffrey Co.
Syracuse Wire Wk., 101 University av, New York

OHIO.

AKRON—Ornamental Iron Works Co.
CANTON—Central Metal Products Co. ("C. M. P.")
Columbia Iron & Wire Works Co., 1006 9th S W

Bank & Office Railings—Continued

CINCINNATI—Cincinnati Mfg. Co.
Kamman Walter, 3258 Spring Grove av
Newman Mfg. Co., 420 Elm
Schreiber L. & Sons Co., 3869 Ivanhoe
CLEVELAND—Cleveland Art Metal Co., 3620 Superior
Sheer Bros. Fence & Iron Co., 715 E 103rd
TYLER W. S. CO. (Iron & Bronze)
See adv index at end of book
Van Dorn Iron Works Co. (The), 2700 E 79th *See adv index at end of book*
Wrobbel-Maine Co. The, 3106 E 63rd, Cleveland, O.
COLUMBUS—Columbus Brass Co. (Brass & Bronze), 620 Dublin av
See adv index at end of book
Columbus Wire & Iron Works Co.
Ohio Elevator & Machine Co.
DAYTON—Plocher Andrew Sons Co.
HAMILTON—**MEYERS FRED J. MFG. CO.**
SPRINGFIELD—Bayley Wm. Co.
TOLEDO—Milmine H. B. & Co.
Toledo Wire & Iron Works

OREGON.

PORTLAND—Columbia Wire & Iron Wks., 466 E Market
Portland Wire & Iron Works, 294 2nd.
Tuerck I. K., 402 Davis

PENNSYLVANIA.

PHILADELPHIA—Biggin Chas. P. Co., 1829 Harlan
Darby Ed & Sons Co., 1918 Germantown av, Phila., Pa.
Gensel Frederick & Co., 911 Vine
Halstead & Co., 1129 Cherry
Nacke A. & Son, 1310 N Lawrence
Pettit Frank Ornamental Iron Works, 1505 N Mascher
PITTSBURGH—McKenna Bros. & Mfg. Co. Inc. (Brass & Bronze), 1st av & Ross.
Pittsburgh Brass Mfg. Co., Penn & 32nd
Sommerville Iron & Bronze Co., 5641 Butler
Taylor & Dean, Penn av & 25th
READING—Remppis W. F. Iron Works, 7th & Chestnut.
RIDGEWAY—Hyde-Murphy Co.
SCRANTON—American Safety Lamp & Mine Supply Co., 1335 Capouse av
Scranton Iron & Steel Co.

RHODE ISLAND.

PROVIDENCE—Blaisdell S. S. Machine Co. (Brass), 228 Aborn
What Cheer Wire Works, 157 Dorrance

TENNESSEE.

CHATTANOOGA—Standard Iron & Wire Wks., 510 E 10th

TEXAS.

HOUSTON—Berger A. A. & Co

UTAH.

SALT LAKE CITY—Crager Wire & Iron Works

VIRGINIA.

NORFOLK—Norfolk Iron & Wire Works, (Inc.)
RICHMOND—Richmond Structural Steel Co., 18th & Dock

WASHINGTON.

SEATTLE—Pacific Ornamental Iron Co., 900 Republic

WISCONSIN.

MILWAUKEE—Badger Wire & Iron Works, 25th & Cleveland av
Globe Wire & Iron Works, Atkinson av.
Loeffelholz Co., 170 Clinton
Wisconsin Iron & Wire Works

507— Banks (Savings)

American Badge Co. (Toy), 143 W Austin av, Chicago, Ill.
Arcade Mfg. Co., Freeport, Ill.
Bankers Utilities Co., 289 1st, San Francisco, Cal.
Bogert & Hopper, Inc. (Wood, Toy, etc.), 57 Barclay, New York
See adv index at end of book
Burns W. F. Co., 5123 S Wood, Chicago, Ill.
Champion Hardware Co., Geneva, O.
Dent Hardware Co., Fullerton, Pa.
Dickey Grabler Works, Of the Bankers' Savings & Credit System Co., W. Madison & 103d, Cleveland, O.
Durable Toy & Novelty Co., 44 Union sq, New York
Estes E. B. & Sons (Toy, etc.), 364 5th av New York *See adv index at end of book*
Grey Iron Casting Co. (Iron Toy), Mt. Joy, Pa.
Harvey Machine Co., 1333 S Los Angeles, Los Angeles, Cal.
Hubley Mfg. Co., Lancaster, Pa.
Ives Mfg. Corp., 194 Holland av, Bridgeport, Conn.
Kenton Hardware Co. (Iron & Steel), Kenton, O.
Nicol & Co. ("White City"), 218 N Jefferson, Chicago, Ill.
Novitas Sales Co., Waltham, Mass.
Sager Lock Co. ("Harper"), North Chicago, Ill.
Steel Products Corporation of Cal. ("Nest Egg"), 289 1st, San Francisco, Cal.
Williams A. C. Co., Ravenna, O.

508— Bar Bell

Sperry D. R. & Co. **(Adjustable), Batavia,** Ill.

509-10—*Bar Brass or Bronze

AMERICAN BRASS CO., Waterbury, Conn.
See adv index & branch offices at end of book

Bar Iron or Steel

See Iron Bar Mills; also Steel Bar Mills

511— Barge Builders

See also Ship Builders

American Bridge Co. (Steel), 30 Church, New York
American Car & Foundry Co. (Steel & Wooden), Syndicate Trust bldg, St. Louis, Mo.
Chicago Bridge & Iron Works (Steel), 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Cramp Wm. & Sons Ship & Engine Building Co. (Steel), Beach & Ball, Philadelphia, Pa.
Dravo Contracting Co., 1100 Diamond Bank bldg, Pittsburgh, Pa.
Dubuque Boat & Boiler Works (Steel & Wooden), Dubuque, Ia.
Henderson, W. D., H. Monadnock bldg., San Francisco, Cal.
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Interocean Barge & Transport Co. (concrete), Seattle, Wash.
Johnson & Thompson, 2716 N 26th, Birmingham, Ala.
McLean Contracting Co., Fidelity bldg, Baltimore, Md.
Manitowoc Ship Building Co., Manitowoc, Wis.
Midland Barge Co. (Steel), Midland, Pa.
Nashville Bridge Co., Nashville, Tenn.
Newburgh Shipyards Inc., Dept. H, Newburgh, N. Y.
Newport News Ship Building & Dry Dock Co. (Steel), 233 B'way, New York
PITTSBURGH-DES MOINES STEEL CO. (Steel), 804 Curry bldg., Pittsburgh, Pa. *See adv index at end of book*
Pusey & Jones (Floating Derrick), Poplar, Wilmington, Del.
San Francisco Shipbuilding Co. (concrete), 310 California, San Francisco, Cal.
Southern Boiler & Tank Works (Steel), 1275 Thomas, Memphis, Tenn.
Union Iron Works Co. (Steel), 20th & Michigan, San Francisco, Cal.
Union Shipbuilding Co. (Steel), Fairfield, Md.
Woodall Wm. E. & Co., ft. of Woodall, Baltimore, Md.

511a— Barge Builders (Concrete)

Ambursen Construction Co., Grand Central Term., New York
Brown Louis L. Co., 71 8th av, New York
Fougner Concrete Shipbuilding Co., 50 Pine, New York
Maritime Engineering Co., 2 Rector, New York
San Francisco Shipbuilding Co., 310 California, San Francisco, Cal.

512— Barium

Durex Chemical Corp., 160 Front, New York
McKesson & Robbins (Imp), 91 Fulton, New York
Powers - Weightman - Rosengarten Co., 916-H Parrish, Phila., Pa.
Roessler & Hasslacher Chemical Co. (Nitrate), 709 6th av, New York
See adv index at end of book
Rollin Chemical Corp., 120 Broadway, New York
Wiarda John C. & Co. (Carbonate, Fluoride & Sulphate), 273 Greene, Brooklyn, N. Y.

512a— Barium Acetate

Dissosway Chemical Co. Inc., 55-63 Eckford, Brooklyn, N. Y.
Klipstein A. & Co., 644 Greenwich, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Squibb E. R. & Sons, 23 Vine, Brooklyn, N. Y.

512b— Barium Bromide

Dow Chemical Co., Midland, Mich.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

512c— Barium Carbonate

Chicago Copper & Chemical Co., 111 W Jackson blvd, Chicago, Ill.
Doggett Stanley, 11 Cliff, New York
Durex Chemical Corp., 160 Front, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Innis, Speiden & Co., Inc., 46 Cliff, New York
Klipstein A. & Co. (Imp.), 644 Greenwich, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
NEW JERSEY ZINC SALES COMPANY, 158 Front, New York
See adv index at end of book
Powers - Weightman - Rosengarten Co., 916-H Parrish, Phila., Pa.
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book
Uhlich Paul & Co., Pure Precipitated, 11 Cliff, New York
Wiarda, John C., & Co., 83 Provost, Brooklyn, N. Y.
See adv index at end of book

512d— Barium Chlorate

Cooper Chas. & Co., 194 Worth, New York
Hummel & Robinson Corp., 90 West, New York
Klipstein, A., & Co. (Imp.), 644 Greenwich, New York
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book
Wiarda, John C., & Co., 83 Provost, Brooklyn, N. Y.
See adv index at end of book

513— Barium Chloride

Chicago Copper & Chemical Co., 111 W. Jackson blvd, Chicago, Ill.
Cooper & Cooper Inc, 23-H Cliff, New York.
Dissosway Chemical Co. Inc. (C. P.), 55-63 Eckford, Brooklyn, N. Y.
DU PONT E. I. DE NEMOURS & CO. INC. (Lithopone, Pigments & Heavy Chemicals Div.), 3500 Grays Ferry rd, Phila., Pa. *See adv index at end of book*
Durex Chemical Corp., 160 Front, New York
FERGUSSON ALEX. C., JR., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Innis, Speiden & Co., Inc., 46 Cliff, New York
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Powers - Weightman - Rosengarten Co. 916-H Parrish, Phila., Pa.
Roessler & Hasslacher Chemical Co., 709 6th av, New York
Sergeant E. M. Co., 131 Cedar, New York
Uhlich Paul & Co. (Pure Precipitated), 11 Cliff, New York.
Wiarda, John C., & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

514— Barium Cyanide

Hachmeister-Lind Chemical Co. ("Sustanol"), Island & Leonard, Pittsburgh, Pa.
Union Iron Works Co., 20th & Michigan, San Francisco, Cal.

514a— Barium Fluoride

Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Vitro Manfg. Co., H Bessemer bldg., Pittsburgh, Pa.
Wiarda, John C., & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

515— Barium Hydrate

Chicago Copper & Chemical Co. (Barium Hydrate or Hydrate of Barytes), 111 W. Jackson blvd, Chicago, Ill.
Durex Chemical Corp., 160 Front, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book
Wiarda, John C., & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

516— Barium Nitrate

Chicago Copper & Chemical Co., 111 W. Jackson blvd, Chicago, Ill.
Dissosway Chemical Co. Inc. (C. P.), 55-63 Eckford, Brooklyn, N. Y.
DU PONT E. I. DE NEMOURS & CO. INC. Explosives & Smokeless Powder Depts., Wilmington, Del.
See adv index at end of book
Durex Chemical Corp., 160 Front, New York
Farmingdale Chemical Wks, Inc., Farmingdale, L. I., N. Y.
FERGUSSON, ALEX. C., JR., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Hummel & Robinson, 26 Cortlandt, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Marden, Orth & Hastings Co., 136 Liberty, New York.
Wiarda, John C., & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

517— Barium Peroxide

FERGUSSON, ALEX. C. Jr., 474 Chestnut, Phila., Pa.
See adv. Index at end of book
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Mallinckrodt, Chemical Works, 2nd & Mallinkrodt, St. Louis, Mo.
See adv index at end of book

517a— Barium Salts

Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.

518— Barium Sulphate

Cooper & Cooper Inc., 23-H Cliff, New York.
Dissosway Chemical Co. Inc. (X-Ray), 55-63 Eckford, Brooklyn, N. Y.
Durex Chemical Corp., 160 Front, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Klipstein A. & Co. (Imp.), 644 Greenwich, New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co. (For X-Ray Work), 45 Park Pl, New York
Powers - Weightman - Rosengarten Co., 916-H Parrish, Phila., Pa.
Sergeant, E. M. Co., 15 E. 26th, New York
See adv index at end of book
Wiarda, John C., & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

519— Barium Sulphide

Durex Chemical Corp., 160 Front, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
NEW JERSEY ZINC SALES COMPANY THE, 158 Front, New York
See adv index at end of book

519a— Barium Sulphocyanide

Klipstein A. & Co. (Imp.), 644 Greenwich, New York
Roessler & Hasslacher, Chemical Co., 709 6th av, New York

520— Bark (Mangrove)

Bauer Philip Co. (Imported), 53 Park pl, New York
Gravenhorst & Co. (Imp.), 82 Beaver, New York
Klipstein A. & Co. (Imported), 644 Greenwich, New York

521— Barn Equipments

Cowmatic Corp. ("Cowmatic"), Lynchburg, Va.
Hudson Mfg. Co., 324 3rd av N, Minneapolis, Minn.
Hunt-Helm-Ferris & Co., Harvard, Ill.
James Mfg. Co., Fort Atkinson, Wis.
Libbey C. A. Co. (Stanchions), Dept. H, Oshkosh, Wis.
Louden Machinery Co., Fairfield, Ia.
Mitchell Mfg. Co., Milwaukee, Wis.
Porter J. E. Co., Ottawa, Ill.

521a—Barographs and Barometers (Aeroplane)

Green Hy. J., 1191 Bedford av, Brooklyn, N. Y.
Haustetter A., 308 Madison av, New York
Sussfeld Lorsch & Schimmel, 153 W. 23rd, New York
Taylor Instrument Co's, Rochester, N. Y.

522-3— Barometers

American Schaeffer & Budenberg Corp. (Mercurial), Berry & S. 5th, Brooklyn, N. Y. *See adv index at end of book*
American Thermo Ware Co., 16 Warren, New York
Braun-Knecht-Heimann Co. (Mercurial), 576-584 Mission, San Francisco, Cal.
Chaney Mfg. Co., Springfield, O.
Draper Mfg. Co., 45 Warren, New York
Du Vivier Ernest H. (Imp) (Dial & Recording), 30 Church, New York
Elliott B. K. Co. (Aneroid), 126 6th, Pittsburgh, Pa.
Fleischhauer F. & Son, Hollis, Long Island N. Y.
Freas Francis L., Conshohocken, Pa.
Green Henry J. (Aneroid & Mercurial), 1191 Bedford av, Brooklyn, N. Y.
Keuffel & Esser Co. (Aneroid), Hoboken, N. J.
Knott L. E. Apparatus Co., 79 Amherst, Cambridge, Mass.
Philadelphia Thermometer Co., 9th & Arch, Phila., Pa.
PRECISION THERMOMETER & INSTRUMENT CO., 1435 Brandywine, Phila., Pa.
Queen-Gray Co. (also Barographs), 644 W. Johnson, Philadelphia, Pa.
Sussfeld Lorsch & Schimmel (Imp.), 153 W 23rd, New York
Tagliabue Chas. J. Mfg. Co. (Mercury), 18 33d, Brooklyn, N. Y.
Taylor Instruments Companies ("Tycos" of All Kinds), Rochester, N. Y.
Wagner Bros. & Co. (Importers), 100 5th av, New York
Wagner Carl H., 1944 N Albany av, Chicago, Ill.
Weinhagen & Hespe (Imp.), 159 Leonard, New York

Barrel Packers

See Packing Machines; also Bag Filling Machines

Barrel Plugs

See Plugs (Steel Barrel); also Plugs (Wooden); also Bungs (Barrel)

Barrels (Bilge)

See Barrels, Steel Shipping, with the Word Bilge Following Their Names

523a— *Barrels (Burnishing)

ABBOTT BALL CO. ("Abbott"), Elmwood Station, Hartford, Conn.
See adv index at end of book
BARKER BROS., INC., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
Henderson Bros. Co., 133 S. Leonard, Waterbury, Conn.

523b—*Barrels (Candy Miniature)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York.
See adv. Index at end of book

524— Barrels (Chlorinating)

Union Iron Works Co., 20th & Michigan, San Francisco, Cal.
Worthington Pump & Machinery Corp., 115 B'way, New York

525-6—Barrels (Clean Up or Amalgam)

Worthington Pump & Machy. Corp., 115 B'way, New York

527— Barrels (Cyanide)

Worthington Pump & Machy. Corp., 115 B'way, New York

527a— Barrels (Fibre)

DIAMOND STATE FIBRE CO. (Diamond Fibre Barrels are the standard for quality and service, used everywhere), Dept. 37, Bridgeport, Pa.
See adv index at end of book
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
Paraffin Co.'s, Inc., 475 Brannan, San Francisco, Cal.
ROGERS FIBRE CO. ("Leatheroid"), 121 Beach, Boston, Mass.
See adv index at end of book

528—Barrels (Gasoline Underground Storage)

Guarantee Liquid Measure Co., Union Arcade, Pittsburgh, Pa.
KOVEN L. O. & BRO. INC., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Meurer Steel Barrel & Co., Inc. ("Anchor"), Borden av, Brooklyn, N. Y.
Scaife, Wm. B., & Sons Co., 1st Natl. Bk. bldg, Pittsburgh, Pa.
See adv index at end of book

528a— Barrels (Gun & Rifle)

Niedner Barrel Corp., Dowagiac, Mich.
Williams, White & Co., 301 8th, Moline Ill.

529— Barrels (Japanning)

Baird Machine Co. (Also Tumbling Barrels), Stratford, Bridgeport, Conn.
Henderson Bros. Co., 133 S. Leonard, Waterbury, Conn.

530— Barrels (Oil)

Atlantic Tank & Barrel Corp., Hoboken, N. J.
Boyle Mfg. Co., 5100 Santa Fe, Los Angeles, Cal.
California Barrel Co., 22nd & Illinois, San Francisco, Cal.
Colwell Cooperage Co., 120 B'way, New York
Hardwood Package Co., Finance bldg., Phila., Pa.
International Package Co., Inc. (Dlrs.), 19 Moore, New York
McArdle & Co. (Wood), 38th pl & Gage, U. S. Yards, Chicago, Ill.
Pacific Stove & Stamping Co., Idaho & Duwanish av, Seattle, Wash.
Penna. Cooperage Co. (All Sizes & Styles), Oil City, Pa.
Pressed Steel Products Co., Sharon, Pa.
Rush H. G. Cooperage Co. (Tight Wooden), Oil City, Pa.
Toledo Steel Barrel Co., Toledo, Ohio.

531—Barrels (Plating & Galvanizing)

Barker Bros. Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
Eagle Tank Co., 2443 N Crawford av, Chicago
See adv index at end of book
Klauder-Weldon Dyeing Machine Co. ("Acme," Oblique), Yardley, Pa.
L'Hommedieu Chas. F. & Sons Co. ("Reliance"), 4521 Ogden av., Chicago, Ill.
Munning A. P. & Co. ("Nonesuch"), Matawan, N. J.
Sievering, Philip (Plating), 199 Lafayette, New York
U. S. Electro Galvanizing Co. (Automatic Self Emptying), 36 Stockton, Brooklyn, N. Y.

532—*Barrels (Removable Head)

PRESSED STEEL TANK CO., 58th & Greenfield av, West Allis, Milwaukee, Wis.
See adv index at end of book

HACKNEY Removable Head Seamless Bilged Barrel

A desirable shipping container for continuous service in shipment of non-fluid, semi-fluid and dry products.
Capacities—30 and 50 gal., comply with I.C.C. Specifications 20 and 20A.

PRESSED STEEL TANK CO.
West Allis Milwaukee, Wis.

533— Barrels (Second-Hand)

Acme Barrel Co., 2235 W Grand av, Chicago, Ill.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
BAUER COOPERAGE CO. (Slack and Tight Kegs and Barrels for Local and Export Shipping), 500 Hampshire, San Francisco, Cal.
Bridgeport Barrel Co. Inc., 675 Union, Bridgeport, Conn.
DU PONT E. I. DE NEMOURS & CO. INC., Salvage & Reclamation Div., Wilmington, Del. *See adv index at end of book*
Engel Bros., 1153 Center, Chicago, Ill.
Geroid Frank Co., 453 N Green, Chicago, Ill.
Heidt C. & Son, 64 Fairmount, Jersey City, N. J.
Hempstead John, Waterford, N. Y.
International Package Co., Inc. (Dlrs.), 19 Moore, New York
Kirk, Joseph H. Co., 725 W. 31st, Chicago, Ill.
McArdle & Co. (Dlrs. in Barrels of All Kinds, Brandy, Chemical Cider, Vinegar, Lard, Molasses & Syrup, Oil, Pickle, Pork, Turpentine, Whiskey, Gin, Wine & Wood Alcohol, also Half Barrels), 38th pl & Gage, U. S. Yards, Chicago, Ill.
Martin Bros. Co., Toledo, O.
Myers, R. H., 2693 E 40th, Cleveland, O.

534—Barrels (Sheet Steel Shop)

See also Barrels, Steel Shipping

Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Butler Mfg. Co. (Welded Oil), 1228 Eastern av, Kansas City, Mo.
Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.
Detroit Range Boiler & Steel Barrel Co., 2475 24th, Detroit, Mich.
Draper Mfg. Co., E 91st & Crane, Cleveland, O.
Heller P. A. & Sons, 213 State, Detroit, Mich.
Koven L. O. & Bro. (Also Half Barrels), 154 Ogden av, Jersey City, N. J.
See adv index at end of book

(Continued on following page)

OHIO MANUFACTURING CO.

P. O. Box 146 PAINESVILLE, OHIO

Sheet Steel Shop, Foundry and Truck Barrels



Sheet Steel Tote Boxes
Annealing Pans

Steel Shop Kegs
Steel Lathe Pans

Steel Factory Equipment

Adjustable Steel Factory Stools

Steel Barrels

Steel Barrel Trucks



Barrels (Sheet Steel Shop)—Continued

Lyon Metallic Mfg. Co. ("Lyon"), Aurora, Ill.

Mullins Body Corp., Dept. H, Salem, Ohio

Ohio Corrugating Co., Warren, O.

Ohio Galvanizing & Mfg. Co., Niles, O.

OHIO MFG. CO. (Foundry & Truck Barrels), P. O. Box 146, Plainesville, O.
See adv index at end of book

Peoria Can Co. (For Sweeping Compounds, Coffee, Crackers, Powders of All Kinds, Plain or Decorated), Peoria, Ill.

Pressed Steel Tank Co. (Seamless), 58th & Greenfield av, West Allis, Milwaukee, Wis.

HACKNEY

Seamless Bilged Barrels

Specifications:

	SB55	SB33
Capacity	55 gal.	33 gal.
Gauge	No. 13	No. 14
Weight—Black	92	63
—Galvanized	100	68
I.C.C. Specifications	5 & 5A	5 & 5A
Rolling Hoops	None	None
Longitudinal Seam	None	None

These barrels are a one-man package, easy to handle and up end because of their bilge shape and the pressed steel chime permits a firm hold.

Raised openings, exclusive with Hackney Containers prevent water draining into the barrel. The body of the barrel is formed in successive drawing operations from a circular sheet of steel, resulting in a package entirely seamless up to the head. Heads and openings are brass dip brazed, proof against leaks or rust.

Hackney Two-Piece Barrels are of entirely seamless construction except for a transverse weld in the bilge.

Detailed descriptive catalog on request

PRESSED STEEL TANK CO.

West Allis Milwaukee, Wis.

Republic Steel Package Co., 7930 Jones rd, Cleveland, O.

Toledo Steel Barrel Co. ("Bull Dog"), Toledo, Ohio

Welded Steel Barrel Corp. (Welded), Hart av & Charlevoix, Detroit, Mich.

Wilson, Andrew Co., 616 Essex, Lawrence, Mass.

535—Barrels (Steam Drying)

Austin Welding Works (Water), 555 W Quincy, Chicago, Ill.

Baird Machine Co. (Also Fanning Mills), Stratford av, Bridgeport, Conn.

Henderson Bros. Co. ("Henderson"), 133 S. Leonard, Waterbury, Connn.

536—Barrels (Steel Shipping)

See also Barrels, Sheet Steel Shop

American Steel Package Co., Defiance, O.

Atlas Steel Barrel Corp., Blvd. & Gertrude, New York

BAUER COOPERAGE CO. (New & Used & all materials), 500 Hampshire, San Francisco, Calif.

Boyle Mfg. Co., 5100H Santa Fe av., Los Angeles, Cal.

Butler Mfg. Co., 900 6th av, S E, Minneapolis, Minn.

Chambers, Bering Quinlan Co. (Binged, Light Slack), Decatur, Ill.

Cleveland Steel Barrel Co., 9612 Meech av, Cleveland, O.

Detroit Range Boiler & Steel Barrel Co. ("Perfect" Bilge Type), 2475 24th, Detroit, Mich.

Draper Mfg. Co., E 91st & Crane, Cleveland, Ohio

Hydraulic Pressed Steel Co. (Seamless Steel), 3152 E 61st, Cleveland, O.

International Package Co. Inc. (Jobbers), 19 Moore, New York

Knapp Metal Barrel Co., Balboa bldg, San Francisco, Cal.

Mahoning Steel Products Co., Warren, O.

Metal Barrel Co. ("Hercules Welded"), Galesburg, Ill.

Meurer Steel Barrel Co., Inc. ("Anchor"), Borden av, Brooklyn, N. Y.

Monarch Mfg. Co., Council Bluffs, Ia.

Mullins Body Corp., Dept. H, Salem, Ohio

National Enameling & Stamping Co. ("Nesco" Welded, Painted or Galvanized), 411 5th av, New York

National Steel Barrel Co., Cleveland, Ohio

Ohio Corrugating Co., Warren, Ohio

Ohio Mfg. Co., P O Box 146, Plainesville, O.
See adv index at end of book

Pacific Stove & Stamping Co., Idaho & Duwanish av, Seattle, Wash.

Peoria Can Co., Peoria, Ill.

Petroleum Iron Works Co. of Ohio ("Gem" Gilged), Sharon, Pa.
See adv index at end of book

Pressed Steel Products Co. ("G-E-M," Steel Bilge Type), Sharon, Pa.

PRESSED STEEL TANK CO. (Seamless Pressed), 58th & Greenfield av, West Allis, Milwaukee, Wis.
See adv index at end of book

Republic Steel Package Co., 7930-H Jones rd, Cleveland, O.

St. Louis Steel Package Co., Natural Bridge & Goodfellow av, St. Louis, Mo.

Steel Barrel Co. of Am., 29 B'way, New York

Toledo Steel Barrel Co. ("Bull Dog"), Toledo, Ohio

Wackman Welded Wire Co., 615 Victor, St. Louis, Mo.

Welded Steel Barrel Corp., Hart av & Charlevoix, Detroit, Mich.

Western Steel Package Co. ("Pacific"), ft 92nd av, Oakland, Cal.

Wheeling Steel Corp., Wheeling, W. Va.

Whitaker-Glessner Co., Portsmouth, Ohio

Wilson Andrew Co., 616 Essex, Lawrence, Mass.

Wilson & Bennett Mfg. Co. (Plain Steel or Galvanized), 65th pl & S. Menard av, Chicago, Ill.

537—Barrels (Steel, Tin Lined)

Meurer Steel Barrel Co., Inc. ("Anchor"), Borden av, Brooklyn, N. Y.

Trageser John Steam Copper Works (Block Tin Lined for Lacquers, etc), 447 W 26th, New York

537a— Barrels (Sugar)

Gerald Frank Co., 453 N. Green, Chicago, Ill.

International Package Co. Inc., 111 Broad, New York

537b— Barrels (Tack)

BOGERT & HOPPER, INC. (Wood Miniature), 57 Barclay, New York
See adv index at end of book

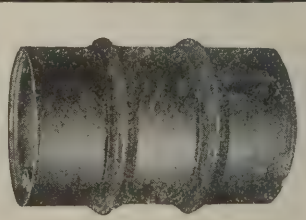


Gem Bilged Steel Barrels

"Presteel" Drums

From 15 to 110 Gallons Capacities

Also a Variety of Special Containers



THE PETROLEUM IRON WORKS CO., Iron St., Sharon, Pa.

Pressed Steel Products Department

NEW YORK ST. LOUIS TULSA HOUSTON SAN FRANCISCO

ESTES E. B. & SONS, (Wood Miniature), 364 5th av, New York.
See adv index at end of book

International Package Co., Inc., 111 Broad, New York

538—Barrels (Tumbling or Rumbling)

See also Mills, Tumbling; also Mills, Water Cinder; also Mills, Exhaust Tumbling

Abbe Paul O. Inc. ("Abbebilt"), 71-A Murray, New York
See adv index at end of book

ABBE ENGINEERING CO., 38 Church, New York *See adv index at end of book*

ABBOTT BALL CO. ("Abbott," Steel Ball Process), Elmwood Station, Hartford, Conn. *See adv index at end of book*

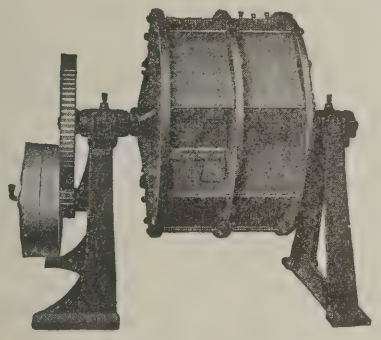
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THE ABBOTT

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Burnishing Barrel

Burnish and Polish all your small metal parts by the Abbott Wholesale way



An Abbott Barrel with Abbott Burnishing Balls Abbott Burnishing Cones Abbott Burnishing Oats as here illustrated and Abbalco Burnishing Soap and water will finish your work by the bushel.

Send us samples for free demonstration.

The Abbott Ball Co.

Elmwood Station
Hartford, Conn.

Write for catalog and particulars

Baird Machine Co. ("Baird" Oblique Tilting, Dry, Wet & Steam Drying, etc), Stratford, Bridgeport, Conn.

Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.

BARKER BROS. INC., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book

Barnett Oscar Foundry Co. ("Barnott's" Hexagon), Irvington, N. J.

Brass Founders Supply Co. (Tilting, Oblique Tumbers for Brass Fdrs., also Dry & Wet Tumblers), Wilson av, Newark, N. J.

Falls Clutch & Machinery Co. (Foundry), Cuyahoga Falls, O.

Foundry Equipment Co., 1833 Columbus Rd, Cleveland, O.

Globe Machine & Stamping Co., ("Globe" Tilting; also Horizontal), 1250 W 76th, Cleveland, O.

Henderson Bros. Co. (Tumbling All Kinds, "Henderson"), 133 S. Leonard, Waterbury, Conn.

IDEAL CONCRETE MACHY. CO. (AUTOMATIC LOADING AND UNLOADING TUMBLING BARRELS for tumbling drop forgings, bolts and nuts, small stampings and small castings. Barrels are equipped for plain tumbling, wet tumbling or saw-dust tumbling. The barrels are also arranged to load from ground level and unloaded directly into wheelbarrows, shop buggies or similar receptacles), 5007 Spring Grove av, Cincinnati, O.
See adv index at end of book

L'Hommedieu Chas. F. & Sons, 4521 Ogden av., Chicago, Ill.

McCormick J. S. Co., 25th & A. V. R. R., Pittsburgh, Pa.

Manitowoc Engineering Works, Manitowoc, Wis.

Middleditch Benj. (Tilting), 1504 Cadillac, Detroit, Mich.

Paxson J. W. Co., Nicetown la & D, Phila., Pa.

Peckham Mfg. Co. (For Dry Tumbling), 244 South, Newark, N. J.

Republic Structural Iron Wks. Co., 1350 E 53d, Cleveland, O.

Royersford Foundry & Machine Co., Royersford, Pa.

Sievering, Philip (Tumbling), 199 Lafayette, New York

Sly W. W. Mfg. Co., 4720 Train av, Cleveland, O.

Standard Machy. Co. (Tumbling only), Providence, R. I.

Tessmer Mach. & Tool Co., 1425 Rivard, Detroit, Mich.

Vaughn Machinery Co. (Chain & Nail, Nail Rattlers), Cuyahoga Falls, O.

Woodison E. J. Co., 1621 St. Aubin, Detroit, Mich.

539—Barrels (Tumbling, Sand Blast)

American Fdry. Equipment Co. The, 366 Madison av, New York

Ideal Concrete Machy Co., 5007 Spring Grove av, Cincinnati, O.

Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.
See adv index at end of book

MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

New Haven Sand Blast Co. ("New Haven"), 6 Church, New Haven, Conn.

Rich Fdry. Equipment Co., 3935 W. 47th, Chicago, Ill.

Standard Equipment Co. ("Standard" Rolling), 63 Foote, New Haven, Conn.

Tilghman Brookshank Sand Blast Co. ("Tilghman," "Matthewson"), 1126H S. 11th, Philadelphia, Pa.

540—Barrels (Tumbling, Steel Ball)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book

Abbe Engineering Co., 38 Church, New York *See adv index at end of book*

ABBOTT BALL CO. ("Abbott," "New Abbott," Work Holding for Burnishing & Polishing), Elmwood Sta., Hartford, Conn. *See adv index at end of book*

Globe Machine & Stamping Co. ("Globe" for Burnishing), 1250 W 76th, Cleveland, O.

Henderson Bros. Co., 133 S. Leonard, Waterbury, Conn.

541—Barrels (Wire Thrashing)

Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

542—*Barrels (Wood, Miniature)

ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*

Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

543—Barrels (Working)

Aldrich Pump Co., Dept. H, ft. of Pine, Allentown, Pa.

American Well Works, Aurora, Ill.

Barnes Mfg. Co., 700 N. Main, Mansfield, O.

Bradford Motor Wks., Bradford, Pa.

Cook August D., Lawrenceburg, Ind.

Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.

Delaware Seamless Tube Co., Auburn, Pa.
See adv index at end of book

Deming Co., Salem, Ohio
See adv index at end of book

Franklin Valveless Engine Co., Dept. H, Franklin, Pa.

Goulds Mfg. Co., Seneca Falls, N. Y.
See adv index at end of book

Hough Chas. N. Mfg. Co. (Cast Iron, Seamless, Cold Drawn Steel & Seamless Brass), Franklin, Pa.

Keystone Driller Co., Beaver Falls, Pa.
See adv index at end of book

Luitwieler Pumping Engine Co., Rochester, N. Y.

McDonald A. Y Mfg. Co., Dubuque, Ia.

McGregor Working Barrel Co., Bradford, Pa.

Myers F. E. & Bro. (Hand & Power), 950 Orange, Ashland, Ohio
See adv index at end of book

National Tube Co., Frick bldg, Pittsburgh, Pa.

543a—Barriers (Stone, for Electrical Power & Sub Stations)

Alberene Stone Co., 153 W 23rd, New York

Euclid Stone & Brick Co., Cleveland, O.

544—Barrows (Baggage & Express)

Akron Barrow Co., 3144 E. 65th, Cleveland, O.

Clark Geo. P. Co., Windsor Locks, Conn.

Fairbanks Co. 416-H Broome, New York.

Howe Scale Co., Rutland, Vt.

Jackson Mfg. Co. (Express Only), 4th & Boyd, Harrisburg, Pa.
See adv index at end of book

Kalamazoo Railway Supply Co., Kalamazoo, Mich.

Kilbourne & Jacobs Mfg. Co., Columbus, O.

Standard Scale & Supply Co. (Coke Foundry), 1631 Liberty av, Pittsburgh, Pa.

545— Barrows (Brick)

American Steel Scraper Co., Sidney, O.

Anderson Fdy. & Machine Works, Anderson, Ind.

Ashboro Wheelbarrow Co., Ashboro, N. C.

Atlas Car & Mfg. Co., Cleveland, O.
See adv index at end of book

Bryan Mfg. Co. (Steel Frame), P. O. Box D, Bryan, O.

Chattanooga Wheelbarrow Co., 1300 E 14th, Chattanooga, Tenn.

Fairbanks Co., 416 Broome, New York.

Freese E. M. & Co., Galion, O.

Hadfield-Penfield Steel Co. (The), Bucyrus, Ohio.
See adv index at end of book

International Clay Machinery Co., Dayton, O.

Jackson Mfg. Co., Harrisburg, Pa.

Kilbourne & Jacobs Mfg. Co. (Steel & Wooden), Columbus, O.

Marion Machine Foundry & Supply Co., Marion, Ind.

Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.

Phillips, Doup & Co. ("National"), 44th & 1st av, Brooklyn, N. Y.

Potts C. & A. & Co., 816 W Wash av., Indianapolis, Ind.

Puffer-Hubbard Mfg. Co., 32nd av, S & 26th, Minneapolis, Minn.

STERLING WHEELBARROW CO. ("Sterling"), Milwaukee, Wis.
See adv index at end of book

Toledo Wheelbarrow Co. ("Bull Frog"), 2400 B'way, Toledo, O.

Wellington Machine Co., Wellington, O.

Barrows (Charging)

See Barrows, Furnace Charging

546— Barrows (Coke)

Akron Cultivator & Mfg. Co. (Steel), 3144 E. 65th, Cleveland, O.

American Steel Scraper Co., Sidney, O.

Archer Iron Wks., 2436 W. 34th pl, Chicago, Ill.

Atlas Car & Mfg. Co., Cleveland, O.
See adv index at end of book

Bryan Mfg. Co., P O Box D, Bryan, O.

Chattanooga Wheelbarrow Co., 1300 E 14th, Chattanooga, Tenn.

Cleveland Wheelbarrow & Mfg. Co., P. O. Station D, Cleveland, Ohio

Connellsville Iron Works ("Connellsville" Steel Angle), Connellsville, Pa.

Connellsville Machine & Car Supply Co., Connellsville, Pa.

Fairbanks Co., 416 Broome, New York.

Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.

Jackson Mfg. Co., 4th & Boyd, Harrisburg, Pa. *See adv index at end of book*

McWhinnie Thos., Poughkeepsie, N. Y.

Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.

Phillips Doup & Co. ("National"), 44th & 1st av, Brooklyn, N. Y.

Puffer-Hubbard Mfg. Co., 32d av S & 26th, Minneapolis, Minn.

Sidney Steel Scraper Co. ("Haslup"), Sidney, O.

Sterling Wheelbarrows, Carts, Trucks



Sterling barrows are built for hard service. Strictly a high grade line of all steel and steel tray designs for contractors, mines, railroads, foundries and industrials.



Made in all sizes of tray from 2 ft. to 9 cu. ft. capacity, and in gauges to meet the service. All parts are interchangeable by either steel or wood frames.



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Branches: Boston, New York, Philadelphia, Cleveland, Chicago, Detroit, St. Louis

Barrows (Coke)—Continued

STERLING WHEELBARROW CO., Milwaukee, Wis.
See adv index at end of book

Weimer Machine Works Co. (Standard Large Square, etc), Lebanon, Pa.

547—Barrows (Concrete & Mortar)

See also Carts, Concrete

Akron Cultivator & Mfg. Co., 3144 E 65th, Cleveland, O.
American Steel Scraper Co. ("Crown," "Regal"), Sidney, O.
Ashboro Wheelbarrow Co., Ashboro, N. C.
Atlas Car & Mfg. Co. (Concrete), Cleveland, O. *See adv index at end of book*
Biehl Iron Works, Inc., Reading, Pa.
Bremer W. A. 3612 S. Alameda, Los Angeles, Cal.
Bryan Mfg. Co., P O Box D, Bryan, O.
Chattanooga Wheelbarrow Co. ("Chattanooga"), 1300 E 14th, Chattanooga, Tenn.
Cleveland Wheelbarow & Mfg. Co., P. O. Station D, Cleveland, Ohio
Fairbanks Co., 416 Broome, New York
Kilbourne & Jacobs Mfg. Co. ("Columbus"), Columbus, O.
Lansing Co. ("Lansing"), Lansing, Mich.
McWhinnie Thos., Poughkeepsie, N. Y.
Meyer, Henry H. Co. (Dirs.), 110 S. Howard, Baltimore, Md.
See adv index at end of book
Ohio Ceramic Engineering Co., Berea rd, Cleveland, O.
Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.
Phillips Doup & Co. ("National"), 44th & 1st av, Brooklyn, N. Y.
Puffer-Hubbard Mfg. Co. (Steel Tray, Steel Wheels, Wood Handles), 32d av S & 28th, Minneapolis, Minn.
Sidney Steel Scraper Co. ("U. S."), Sidney, O.
Standard The Scale & Supply Co. ("The Standard"), 1631 Liberty av, Pittsburgh, Pa.
STERLING WHEELBARROW CO. ("Ajax," "Eureka," Self-Lubricating), Milwaukee, Wis.
See adv index at end of book
Syracuse Chilled-Plow Co., Syracuse, N. Y.
Toledo Wheelbarrow Co. ("Bull Frog" Steel Tray), 2400 B'way, Toledo, O.

Barrows (Contractors')

See Barrows, Various Kinds

548—Barrows (Folding, Steel Frame)

Bryan Mfg. Co., P. O. Box D, Bryan, O.
Cleveland Wheelbarrow & Mfg. Co., P. O. Station D, Cleveland, Ohio

549— Barrows (Foundry)

See also Barrows, Furnace Chargings

Akron Barrow Co., 3144 E. 65th, Cleveland, O.
Akron Cultivator Co., Akron, O.
American Steel Scraper Co., Sidney, O.
Biehl Iron Works, Inc., Reading, Pa.
Bryan Mfg. Co., P. O. Box D, Bryan, O.
Chattanooga Wheelbarrow Co., 1300 E 14th, Chattanooga, Tenn.
Cleveland Wheelbarrow & Mfg. Co., P. O. Station D, Cleveland, Ohio
Dopp J. W. & Co. (Dealers), 18 W. Columbia, Detroit, Mich.
Fairbanks Co., 416 Broome, New York
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Jackson Mfg. Co., 4th & Boyd, Harrisburg, Pa. *See adv index at end of book*
McWhinnie Thos., Poughkeepsie, N. Y.
Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.
Phillips Doup & Co. ("National"), 44th & 1st av, Brooklyn, N. Y.
Republic Supply Co. (Jobbers), 123 Water, Pittsburgh, Pa.
Sidney Steel Scraper Co., Sidney, O.
Standard The Scale & Supply Co., 1631 Liberty av, Pittsburgh, Pa.
STERLING WHEELBARROW CO. ("Sterling" All-Steel Tubular Frame), Milwaukee, Wis.
See adv index at end of book
Syracuse Chilled Plow Co. (Steel Tray, Tubular), Syracuse, N. Y.
Toledo Wheelbarrow Co ("Bull Frog") 2400 B'way, Toledo, O.

550—Barrows (Furnace Charging)

Akron Cultivator Co. (Automatic Dump), Akron, O.
Archer Iron Wks., 2436 W. 34th pl, Chicago, Ill.
Atlas Car & Mfg. Co., Cleveland, O.
See adv. Index at end of book
Consolidated Iron Works, Hoboken, N. J.
Fabricated Steel Products Corp., Box 505, Leetonia, O.
Fairbanks Co., 416 Broome, New York
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Kilbourne & Jacobs Mfg. Co., Columbus, Ohio
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
PENN FOUNDRY & MFG. CO., Wyomissing, Reading, Pa.
Phillips Doup & Co. ("National"), 44th & 1st av, Brooklyn, N. Y.
Sidney Steel Scraper Co., Sidney, O.
STERLING WHEELBARROW CO., Milwaukee, Wis.
See adv index at end of book
Stuebner G. L. Iron Works, Queensboro Terminal, Long Island City, N. Y.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Watt Mining Car Wheel Co., Barnesville, Ohio
Weimer Machine Works Co., Lebanon, Pa.

551— Barrows (Garden)

American Steel Scraper Co., Sidney, O.
Ashboro Wheelbarrow Co., Ashboro, N. C.
Bryan Mfg. Co., P. O. Box D, Bryan, O.
Chattanooga Wheelbarrow Co. ("Golden Rod," "Dixie Queen"), 1300 E 14th, Chattanooga, Tenn.
Fairbanks Co., 416 Broome, New York
Harrison W. R. & Co., Massillon, O.
Inland Mfg. Co. ("Inland"), Fresno, Cal.
Kilbourne & Jacobs Mfg. Co. ("Victor"), Columbus, O.
McWhinnie Thos. ("Hudson River," "Dutchess," "New 1903 Metropolitan"), Poughkeepsie, N. Y.
Menasha Wood Split Pulley Co. ("Lawson"), Menasha, Wis.
Puffer-Hubbard Mfg. Co. ("American"), 32d av & S 26th, Minneapolis, Minn.
Ross Bros. Co. ("Nuway"), 90 Front, Worcester, Mass.
Sidney Steel Scraper Co. ("U. S."), Sidney, O.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Tanner D. F., Holland, N. Y.
Toledo Wheelbarrow Co. ("Toledo Clipper," etc), 2400 B'way, Toledo, O.

551a— Barrows (Hand)

Jackson Mfg. Co. (Steel), 4th & Boyd, Harrisburg, Pa.
See adv index at end of book
Menasha Wood Split Pulley Co., Menasha, Wis.
Syracuse Chilled Plow Co., Syracuse, N. Y.

552—Barrows (Locomotive Coal Station)

Akron Cultivator & Mfg. Co., 3144 E 65th, Cleveland, O.
Archer Iron Works, 2436 W 34th pl, Chicago, Ill.
Bryan Mfg. Co., P. O. Box D, Bryan, O.
Cleveland Wheelbarrow & Mfg. Co., P. O. Station D, Cleveland, Ohio
Jackson Mfg. Co., 4th & Boyd, Harrisburg, Pa. *See adv index at end of book*
Kilbourne & Jacobs Mfg. Co. (Steel), Columbus, O.
Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.
Phillips Doup & Co. ("National"), 44th & 1st av, Brooklyn, N. Y.

553—Barrows (Ore & Pig Iron)

Akron Cultivator & Mfg. Co., 3144 E. 65th, Cleveland, O.
American Steel Scraper Co., Sidney, O.
Atlas Car & Mfg. Co., Cleveland, O.
See adv index at end of book
Biehl Iron Works, Inc., Reading, Pa.
Bryan Mfg. Co., P. O. Box D, Bryan, O.
Cleveland Wheelbarrow & Mfg. Co., P. O. Station D, Cleveland, Ohio
Fairbanks Co., 416 Broome, New York
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Jackson Mfg. Co., 4th & Boyd, Harrisburg, Pa. *See adv index at end of book*
Kilbourne & Jacobs Mfg. Co. (Bolted), Columbus, O.
Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.
Phillips Doup & Co. ("National"), 44th & 1st av, Brooklyn, N. Y.
Puffer-Hubbard Mfg. Co., 32d av S & 26th, Minneapolis, Minn.
Sidney Steel Scraper Co. ("Haslup"), Sidney, O.
STERLING WHEELBARROW CO., Milwaukee, Wis.
See adv index at end of book
Syracuse Chilled Plow Co. (Steel Tray Tubular), Syracuse, N. Y.

554— Barrows (Steel Tray)

Akron Cultivator & Mfg. Co., 3144 E. 65th, Cleveland, O.
American Steel Scraper Co., Sidney, O.
Ashboro Wheelbarrow Co., Ashboro, N. C.
Babcock Mfg. Co. ("Otsego"), Leonardsville, N. Y.
Bryan Mfg. Co., P. O. Box D, Bryan, O.
Chattanooga Wheelbarrow Co., 1300 E 14th, Chattanooga, Tenn.
Chicago Builders' Specialties Co., 11 So La Salle, Chicago, Ill.
Cleveland Wheelbarrow & Mfg. Co., P. O. Station D, Cleveland, Ohio
Coast Supply Co., 590 Howard, San Francisco, Cal.
Conner J. W. & Son ("Favarit"), Orangeville, Pa.
Eagle Machine Co., Lancaster, O.

Eddy & Sherman Mfg. Co., 633 Randolph, Huntington Park, Cal.
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Fox Bros. & Co., 126 Lafayette, New York
Hadfield-Penfield Steel Co. (The), Bucyrus, Ohio
See adv index at end of book
Havana Metal Wheel Co., Havana, Ill.
Heller P. A. & Sons, 213 State, Detroit, Mich.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Lansing Co., Lansing, Mich.
Miller E. S., Stanwood, O.
Menasha Wood Split Pulley Co., Menasha, Wis.
Nissen Geo. E. & Co., Winston-Salem, N. C.
Phillips Doup & Co. ("National"), 44th & 1st av, Brooklyn, N. Y.
Puffer-Hubbard Mfg. Co., 32d av S & 26th, Minneapolis, Minn.
Sackett H. B. Screen & Chute Co., 1691 Elston av, Chicago, Ill.
Sellers Edward, Oak Hall Station, Pa.
Sidney Steel Scraper Co. ("Haslup"), Sidney, Ohio
Standard Mfg. Co., 41 Cortlandt, New York
Steel Basket Co. (For Coal), Cedar Rapids, Ia.
STERLING WHEELBARROW CO., Milwaukee, Wis.
See adv index at end of book
Syracuse Chilled Plow Co., Syracuse, N. Y.
Toledo Wheelbarrow Co. ("Bull Frog"), 2400 B'way, Toledo, O.

555—Barrows (Steel Tubular, Etc.)

Akron Barrow Co. ("Akron"), 3144 E. 65th, Cleveland, O.
Akron Cultivator & Mfg. Co., 3144 E. 65th, Cleveland, O.
American Steel Scraper Co., Sidney, O.
Biehl Iron Works, Inc., Reading, Pa.
Bryan Mfg. Co., P. O. Box D, Bryan, O.
Chattanooga Wheelbarrow Co., 1300 E 14th, Chattanooga, Tenn.
Cleveland Wheelbarrow & Mfg. Co., P. O. Station D, Cleveland, Ohio
Coast Supply Co., 590 Howard, San Francisco, Cal.
Connellsville Machine & Car Supply Co., Connellsville, Pa.
Consolidated Iron Works, Hoboken, N. J.
Fairbanks Co. (Iron & Steel), 416 Broome, New York
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Fox Bros. & Co., 126 Lafayette, New York
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Phillips, Doup & Co. ("National," "Ideal," "Perfect"), 44th & 1st av, Brooklyn, N. Y.
Puffer-Hubbard Mfg. Co., 32nd av S & 26th, Minneapolis, Minn.
Sidney Steel Scraper Co. ("Haslup," "U. S," & "Burro) drop frame Solid Pressed Steel), Sidney, O.
Steel Basket Co., Cedar Rapids, Ia.
STERLING WHEELBARROW CO. (Self-Lubricating), Milwaukee, Wis.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Toledo Wheelbarrow Co. ("Bull Frog" & "Buckeye"), 2400 B'way, Toledo, O.
Western Iron Works, 141 Beale, San Francisco, Cal.
Western Wheelbarrow Mfg. Co., S. Ft. Smith, Arkansas.

556— Barrows (Stone)

Akron Cultivator & Mfg. Co., 3144 E. 65th, Cleveland, O.
American Steel Scraper Co., Sidney, O.
Ashboro Wheelbarrow Co., Ashboro, N. C.
Bryan Mfg. Co., P. O. Box D, Bryan, O.
Fairbanks Co., 416 Broome, New York
Kilbourne & Jacobs Mfg. Co. (Wood, Steel, also Steel Bottom), Columbus, O.
McWhinnie Thos., Poughkeepsie, N. Y.
Phillips Doup & Co. ("National"), 44th & 1st av, Brooklyn, N. Y.
Puffer-Hubbard Mfg. Co., 32nd av S & 26th, Minneapolis, Minn.
Sidney Steel Scraper Co. ("Haslup," "U. S." & "Sidney" Steel Bottom), Sidney, O.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Toledo Wheelbarrow Co. ("Bull Frog"), 2400 B'way, Toledo, O.

557— Barrows (Track)

American Track Barrow Co., Lowell, Mass.

558— Barrows (Wooden)

American Steel Scraper Co., Sidney, O.
Ashboro Wheelbarrow Co., Ashboro, N. C.
Babcock Mfg. Co. ("Otsego"), Leonardsville, N. Y.
Bryan Mfg. Co., P. O. Box D, Bryan, O.
Buch's A. Sons Co., Elizabethtown, Pa.
Chattanooga Wheelbarrow Co. ("Eureka," "Hamilton," "Chattanooga," "Tennessee"), 1300 E 14th, Chattanooga, Tenn.
Chicago Builders' Specialties Co., 11 So La Salle, Chicago, Ill.
Defiance Box Co., Defiance, O.
Eddy & Sherman Mfg. Co., 633 Randolph, Huntington Park, Cal.
Fairbanks Co., 416 Broome, New York
Fox Bros. & Co., 126 Lafayette, New York
Harrison W. R. & Co., Massillon, O.
Inland Mfg. Co. ("Inland"), Fresno, Cal.
Jordan Wheelbarrow Co., Jordan, N. Y.
Kilbourne & Jacobs Mfg. Co., Columbus, Ohio
McWhinnie Thomas, Poughkeepsie, N. Y.
Menasha Wood Split Pulley Co. ("Lawson"), Menasha, Wis.
Miller E. S., Stanwood, O.
Mountville Mfg. Co., Mountville, Pa.
Nissen Geo. E. & Co., Winston-Salem, N. C.
Patterson Mfg. Co., Holly, Mich.
Prescott Frank R. ("Peerless," "Victor," "Eureka," "Canal"), Meredith, N. H.
Puffer-Hubbard Mfg. Co., 32nd av S & 26th, Minneapolis, Minn.
Standard Mfg. Co., 41 Cortlandt, New York
Syracuse Chilled Plow Co., Syracuse, N. Y.
Toledo Wheelbarrow Co. ("Bull Frog"), 2400 B'way, Toledo, O.
Union Mfg. & Lumber Co., Northville, Mich.

559— Bars (Angle)

Bethlehem Steel Co., So. Bethlehem, Pa.
Bourne Fuller Co., Hanna bldg, Cleveland, O.
Braun J. G., 609 S Paulina, Chicago, Ill.
Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
Colorado Fuel & Iron Co., 840 17th, Denver, Colo.
Illinois Steel Co., 208 S LaSalle, Chicago
Inland Steel Co., 88 S Dearborn, Chicago
Interstate Iron & Steel Co., 104 S Michigan av, Chicago, Ill.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Jones & Laughlin Steel Co. (Hot & Cold-Rolled), Ross, Pittsburgh, Pa.
Laclede Steel Co., Arcade bldg, St. Louis, Mo.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Logan Iron & Steel Co., Gerard bl., Phila., Pa.
Pardee C. Works, Perth Amboy, N. J.
Ryerson, Jos. T., & Son, Inc., 2558 W 16th, Chicago, Ill.
See adv index at end of book
SWEET'S STEEL CO., Williamsport, Pa.
Tredegar Co., ft. of 5th, Richmond, Va.
Witherow Steel Co., Keystone bldg, Pittsburgh, Pa.

560— Bars (Arch)

American Bridge Co., 30 Church, New York
Bethlehem Steel Co., So. Bethlehem, Pa.
Carnegie Steel Co., Carnegie bldg, Pittsburg, Pa.
Ft. Wayne Iron Steel Rolling Mills (Refined Iron), W Taylor, Ft. Wayne, Ind.
Los Angeles Fdry. Co., Los Angeles, Cal.
Marion Machine Foundry & Supply Co., Marion, Ind.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
Valley Forging Co., Verona, Pa.
Western Steel Car & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.
Withers Foundry & Machine Works, Atlanta, Ga.

561— Bars (Boring)

See also Cylinder Boring Machines

American Tool & Mfg. Co., Urbana, Ohio.
Diamond Specialty & Supply Co. ("Steinbrunn" Expansion for Car Wheels), 15 N Sixth, Phila., Pa.
Elmes, Chas. F. Engineering Works, cor. Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Gisholt Machine Co. (Adjustable Cutters & Solid Cutters), Madison, Wis.
Kelly Reamer Co., 3705 West 73rd, Cleveland, O.
Madison Mfg. Co. (adjustable), Muskegon, Mich.
Rickert-Shafer ("R-S"), 612 W. 12th, Erie, Pa.
Rooksby E. J. & Co. (Portable), 1055 Hamilton, Phila., Pa.
Ryerson, Jos. T., & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Skelton Tool Co., Inc., 406 E Ash, Syracuse, N. Y.
UNDERWOOD H. B. CORP., 1025 Hamilton, Philadelphia, Pa.
Union Tool Co. ("Hill"), Orange, Mass.
Universal Boring Machine Co., Hudson, Mass.
Williams J. H. Co. ("Agrippa" Plain & Sleeve), 400 Vulcan, Buffalo, N. Y.

561a—Bars (Brass & Bronze)

AMERICAN BRASS CO. (& Copper), Waterbury, Conn.
For branch offices see adv index at end of book
Bridgeport Brass Co., Dept. H, E Main, Bridgeport, Conn.
Bridgeport Rolling Mills, Inc., Bruce & Stratford av, Bridgeport, Conn.
Bunting Brass & Bronze Co. (The) (Phosphor Bronze), 738 Spencer, Toledo, O.
See adv index at end of book
Chase Metal Works, Div. Chase Co.'s, Inc., Waterbury, Conn.
Chase Rolling Mills, Div. Chase Companies, Inc., Waterbury, Conn.
Conklin T. E. Brass & Copper Co., 54-60 Lafayette, New York
See adv index at end of book
Erie Bronze Co., 353 W. 19th, Erie, Pa.
See adv index at end of book
JOHNSON BRONZE CO., New Castle, Pa.
PRIER CO. WALTER H., 230 E Ohio, Chicago
See adv index at end of book
Rome Brass & Copper Co. ("Rome Quality"), Rome, N. Y.
Scott, Sugden & Lamont, Monadnock bldg San Francisco, Cal.
Scovill Mfg. Co., Waterbury, Conn.
See adv index at end of book

561b— Bars (Bus)

CONKLIN T. E. BRASS & COPPER CO., 54-60 Lafayette, New York

562— Bars (Capstan)

ANCHOR SAW MILLS CO., 434 Washington, New York
Chase Metal Works, Waterbury, Conn.
New York Boat Oar Co., 100 Washington, New York
Ransome Concrete Machinery Co., Dunellen, N. J.

563— Bars (Carpenters', Etc.)

American Logging Tool Co., Evart, Mich.
Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.
Beall Bros., Inc., Alton, Ill.
Cincinnati Tool Co., Main & Waverly av, Cincinnati, Ohio
Duffy Mfg. Co., 214 W Grand av, Chicago, Ill.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Kraeuter & Co., 583 18th av, Newark, N. J.
Leetonia Tool Co. (Wrecking), Leetonia, Ohio
Marshalltown Trowel Co., Marshalltown, Ia.
Stanley Rule & Level Co. (Altha Division), New Britain, Conn.
Van Doren Mfg. Co. ("Vandor"), Chicago Heights, Ill.
Vaughan & Bushnell Mfg. Co., 2114 Carroll av, Chicago, Ill.
Vichek Tool Co. ("Vichek"), 8701 Mount Auburn av., Cleveland, O.
Warner Hammer Co., Cromwell, Conn.
Warren Tool & Forge Co., 145 Griswold, Warren, O. *See adv index at end of book*
Warwood Tool Co., 19th, Warwood, Wheeling, W. Va.
Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.

563a— *Bars (Casket)

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

Bars (Claw)

See Crowbar Mfrs.

564— Bars (Clothes)

See also Bars, Towel

Combination Ladder Co., 881 Fountain, Providence, R. I.
Gem Mfg. Co., North Girard, Pa.
Geneva Mfg. Co., Geneva, Ill.
Hopkins Frank & Co., North Girard, Pa.
Hopkins L. Mfg. Co., North Girard, Pa.
Martcross Co., 20 E Lake, Chicago, Ill.
Moulton C. W. H. Co., Somerville, Mass.
Steinfeld Bros., 116 W 32nd, New York
Stevenson Mfg. Co. (Drying, Wooden), South Bend, Ind.
See adv index at end of book
Stokes Wm. A. & Co., 50 Howard, New York
Teepe, J. Chas., Inc. (Folding), Mott & Vernon aves, Long Island City, N. Y.
Young Bros. Co., 2 Brooks, Worcester, Mass.

565— Bars (Commutator)

See also Commutators

AMERICAN BRASS CO., Waterbury, Conn.
For branch offices see adv index at end of book
Billings & Spencer Co. (Pure Copper Dropped Forged), Hartford, Conn.
Bissell F. Co. (Segments), Toledo, Ohio
Buckeye Tempered Copper & Brass Co., Mansfield, O.
Cameron Electrical Mfg. Co. (Segments & Assembled Commutators), 211 Main, Ansonia, Conn.
See adv index at end of book
CHICAGO MICA CO. (Mica Segments), Campbell, Valparaiso, Ind.
See adv index at end of book
Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.
Commutator Co., 121 N 1st, Minneapolis, Minn.
Eureka Co., North East, Pa.
Homer Commutator Co., 4743 Hough av, N E, Cleveland, O.
Jefferson Brass Foundry, 62 Delevan, Brooklyn, N. Y.
Moore Drop Forging Co., Springfield, Mass.

Bars (Commutator)—Continued

Philadelphia Electrical & Mfg. Co. ("Pemco" Copper Segments), 1236 N 31st, Phila., Pa.
Rome Brass & Copper Co. (Drawn Copper), Rome, N. Y.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

565a— Bars (Copper)

BALTIMORE TUBE CO., Wicomico & Ostend, Baltimore, Md.
See adv index at end of book
Conklin T. E. Brass & Copper Co., 54-60 Lafayette, New York
See adv index at end of book
Everitt Co. (Bus), 267 Franklin, Boston, Mass. *See adv index at end of book*

565b—Bars (Cored & Solid)

Sumet Corp., 564 Ellicott sq, Buffalo, N. Y.
See adv index at end of book

SUMET

Sumet
Cored and Solid Bars
A long-wearing copper-lead bearing metal. Over two hundred standard sizes in 12-inch lengths.
CORED BAR CORPORATION
564 Ellicott Square, Buffalo, N. Y.

Bars (Crow)

See Crowbar Mfrs.

Bars (Digging)

See Crowbar Mfrs.

566— Bars (Draw)

Electrical & Mechanical Mfg. Co., 206 Park blvd, Fresno, Cal.
Kimmerle Bros. ("Kimkin"), 226 11th, San Francisco, Cal.
Pittsburgh Forge & Iron Co., Chamber of Com. bldg, Pittsburgh, Pa.
Pratt & Letchworth Co., 189 Tonawanda, Buffalo, N. Y.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.

567— Bars (Extension)

Bettcher Stamping & Mfg. Co., The, Clark av, Cleveland, Ohio
See adv index at end of book
Crawford Co., 3220 W 31st, Chicago, Ill.
Frost C. L. & Son (Chifforobe), Grand Rapids, Mich.
Grabler Mfg. Co., 6565 B'way, Cleveland, O.
St. Louis Hardware Mfg. Co., 1509 W 18th, St. Louis, Mo.
Skinner M. B. & Co. ("Handi Hanger"), 562 W Washington, Chicago, Ill.

568— Bars (Eye)

American Bridge Co., 30 Church, New York
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Meehan Boiler & Construction Co. (Upset), Lowellville, O.
Phoenix Iron Co. (Upset), 22 S 15th, Phila., Pa.; Mills: Phoenixville, Pa.
Stiles, H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book

569— Bars (Forged)

KROPP FORGE CO. (All sizes), 5301 Roosevelt rd, Chicago
See adv index at end of book

570—Bars (Gold & Silver Platers')

Riverside Metal Co., Riverside, N. J.

571— Bars (Grizzly)

American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept. H, 14th & State, Chicago Heights, Ill.
Robins Conveying Belt Co. (Rotary for Coal, Coke & Rock), 15 Park row, New York *See adv index at end of book*

571a— *Bars (Hammock)

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
KROPP FORGE CO., 5301 Roosevelt rd, Chicago
See adv index at end of book

572— Bars (Handle)

(For Bicycles, Motor Cycles, etc.)
Chicago Handle Bar Co., Shelby, O.
Harris D. P. Hdw. & Mfg. Co. ("Rollfast"), 99 Chambers, New York
Reading Cycle Mfg. Co., Reading, Pa.

573— Bars (Hop & Post)

Munnsville Plow Co., Munnsville, N. Y.

574— Bars (Iron & Steel)

(See Also Iron Bar Mills)

Am. Rolling Mill Co., Middletown, Ohio
AMES, W. & CO., Jersey City, N. J.
Atlas Steel Corp., Dunkirk, N. Y.
Blancke, A. C. & Co., 602 W. Lake, Chicago, Ill.
Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
Castle, A. M., & Co., of Wash., 32 W Conn, Seattle, Wash.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Columbia Steel Co., 351H California, San Francisco, Cal.
Danville Iron & Steel Co., Danville, Pa.
Donner Steel Co., Inc., 475 Abbott rd, Buffalo, N. Y.
Duke Steel Co., Inc., 191 Pearl, New York
Edwards, Edw. T., Columbia, Pa.
FISHEL & MARKS CO., ft of Krakow av, Cleveland, Ohio
See adv index at end of book
Fisher, C. W., 52 B'dway, New York
Fort Wayne Iron Steel Rolling Mills, W Taylor, Ft. Wayne, Ind.
See adv index at end of book
Froment & Co., 150 Bank, New York
Horner, W. S., & Co., Oliver bldg, Pittsburgh, Pa.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
LARKIN, J. K. & CO., 253 Broadway, New York *See adv index at end of book*
Lebanon Iron Co., Dept. H, Lebanon, Pa.
Marks & Fiske (Hot & Cold Rolled), 2507 24th, Detroit, Mich.
Naylor & Co. (Dirs.), 120 Broadway, New York
Phila. Steel & Iron Co., Commercial Trust bldg, Phila, Pa.
Pidgeon-Thomas Iron Co., Memphis, Tenn.
Pollak Steel Co., The (Rolled Steel Bars, Angles, etc.), 336 W. 71st, Carthage, Cincinnati, Ohio
Potts H. T. & Co., Erie & D, Phila., Pa.
Roby, S. B. Co. (Dirs.), 214H South av., Rochester, N. Y.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago
See adv index at end of book
St. Louis Screw Co. (Iron, Mer. & Refined, Black & Galvanized), Clarence av E, St. Louis, Mo.
Smith, David H., & Sons, Foot of 51st, Brooklyn, N. Y.
See adv index at end of book

DAVID H. SMITH & SONS, Inc.
Foot of 51st Street
BROOKLYN, N. Y.
Established 1893
Large and Complete Stocks
Immediate Shipments from Warehouse

Southern California Iron & Steel Co., E. 4th & Mateo, Los Angeles, Cal.
Southern Steel Products Co., Va. Railway & Power bldg, Richmond, Va.
Standard Steel & Wire Co., 1408 Cortland, Chicago, Ill.
Starke Adolph (Est. of), Columbia & Sigourney, Brooklyn, N. Y.
United Alloy Steel Corp., Canton, O.
Wetherell Bros. Co. ("Wayne," "Soko," "U. S."), 251 Albany, Cambridge, Mass. *See adv index at end of book*
Wheeling Steel Corp., Wheeling, W. Va.
Wheelock, Lovejoy & Co., Inc., 150 Nassau, New York
Youngstown Sheet & Tube Co., Youngstown, Ohio

Bars (Lining & Tamping)

See Crowbar Mfrs.

575—Bars (Low Phosphorus Melting)

Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Samuel, Frank & Co. ("American Swedo" Iron), Harrison bldg., Phila., Pa.
See adv index at end of book

575a— Bars (Merchant Steel)

Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
Carnegie Steel Co., Carnegie bldg., Pittsburgh, Pa.
Castle, A. M. & Co. of Wash., 32 W Conn, Seattle, Wash.
Donnor Steel Co., Inc., 475 Abbott rd, Buffalo, N. Y.
Erie Iron & Steel Co., Erie, Pa.
Fort Wayne Iron Steel Rolling Mills, W. Taylor, Ft. Wayne, Ind.
Horner, W. S., & Co., Oliver bldg, Pittsburgh, Pa.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
Luken Steel Co., Coatesville, Pa.
Paterson-Leitch Co., 936 E. 67th, Cleveland, Ohio
Pollak Steel Co., The, 336 W. 71st, Carthage, Cincinnati, Ohio
Southern California Iron & Steel Co., E. 4th & Mateo, Los Angeles, Cal.
United Alloy Steel Corp., Canton, O.
YOUNGSTOWN SHEET & TUBE CO. ("Youngstown" Rounds, Square & Flats), Youngstown, O.

Bars (Mine Spike)

See Crowbar Mfrs.

576— Bars (Mower Cutter)

Herschel R. Mfg. Co., Peoria, Ill.

577— Bars (Pinch)

See also Car Movers or Pushers Lead.
American Logging Tool Co., Evart, Mich.
Beall Bros. (Inc.), Alton, Ill.
Braunsdorf-Mueller Co. (Bricklayers'), Elizabeth, N. J.
Buffum Tool Co. ("Swastika," Packing House, Cane Shaped, Midget, etc.), South Side, Louisiana, Mo.
Cincinnati Tool Co., Main & Waverly av, Cincinnati, O.
Crescent Tool Mfg. Co., 1002 Cass av, St. Louis, Mo.
Hardsoog Mfg. Co. (Miners), Ottumwa, Ia.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Iron City Tool Works (Ltd.), 3201 Smallman, Pittsburgh, Pa.
Leetonia Tool Co., Leetonia, Ohio
Valley Forging Co., Verona, Pa.
Verona Tool Works (Locomotive), Pittsburgh, Pa.
Warwood Tool Co. (Coal Miners, etc.), 19th, Warwood, Wheeling, W. Va.
Webster Mfg. Co. ("Sheldon"), 4500-60 Cortland, Chicago, Ill.
See adv index at end of book
What Cheer Tool Co. ("What Cheer" Solid Steel"), What Cheer, Ia.

578— Bars (Push)

Champion Hardware Co. ("Champion"), Geneva, O.
Corbin P & F ("Corbin"), Dept. H, New Britain, Conn.
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
Sargent & Co., Water & Walce, New Haven, Conn.
Waterbury Brass Goods Corp., Waterbury, Conn.

579— Bars (Quarry)

Brunner & Lay (from 100 to 500 lbs.), 570 W Polk, Chicago, Ill.
Ingersoll-Rand Co., 11 B'way, New York.
See adv index at end of book
Stanley Rule & Level Coo (Atha Division), New Britain, Conn.
Sullivan Machinery Co., 122 S Michigan, Chicago, Ill.
Waterbury Brass Goods Corp., Waterbury, Conn.

Bars (Reinforcing)

See Concrete Reinforcing Bars, Iron & Steel

Bars (Ripping)

See Bars, Carpenters', Etc.

580-1— Bars (Shackle)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Verona Tool Works, Plum, Pittsburgh, Pa.

582— Bars (Shutter)

Brass Goods Mfg. Co., 345 Eldert, Brooklyn, N. Y.
Corbin P. & F., New Britain, Conn.
Norwalk Lock Co., S Norwalk, Conn.
Penn Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Stanley Works (Wrought Steel), New Britain, Conn.
See adv index at end of book

582a— Bars (Sine)

Salem Tool Co., Salem, O.
See adv index at end of book
Taft-Pierce Mfg. Co., Dept. H, Woonsocket, R. I.
Way A. F. & Co. Inc. ("Loway"), Hartford, Conn.

582b— *Bars (Slate)

Leetonia Tool Co., (for Mines), Leetonia, Ohio

583— Bars (Splice)

See also Braces, Rail

Ames, W. & Co. (Rail), Jersey City, N. J.
Bethlehem Steel Co., So. Bethlehem, Pa.
Buckeye Rolling Mill Co., Steubenville, O. & Newark, O.
Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
Colorado Fuel & Iron Co., 840 17th, Denver, Colo.
Columbia Machine Wks & Malleable Iron (2, 3 & 4 Way Brass & Copper to Specifications), Atlantic av & Chestnut, Brooklyn, N. Y.
Gulf States Steel Co., Birmingham, Ala.
Illinois Steel Co., 208 S La Salle, Chicago Ill.
INLAND STEEL CO., 38 S Dearborn, Chicago, Ill.
Jones & Laughlin Steel Co., Ross, Pittsburgh, Pa.
Knoxville Iron Co. (For Small Rails), Lonsdale, Knoxville, Tenn.
Lackawanna Steel Co., Buffalo, N. Y.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Pittsburgh Forge & Iron Co., Chamber of Com. bldg., Pittsburgh, Pa.
SWEET'S STEEL CO. (Plain), Williamsport, Pa.
Tredegar Co., ft. of 5th, Richmond, Va.

583a— *Bars (Spool)

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

583b— Bars (Steel)

Brown & Co., 10th & Duquesne way, Pittsburgh, Pa.
Igoe Brothers, 61-73 Metropolitan av., Brooklyn, N. Y.
See adv index at end of book
Illinois Steel Co., 208 S LaSalle, Chicago, Ill.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
McConway & Torley Co., 48th & A. V R. R., Pittsburgh, Pa.

584— Bars (Swage)

Disston Henry & Sons (Inc.), Tacony, Phila., Pa.

585— Bars (Tamp, Mining)

Hardsocg Martin Co., 922 South av, Pittsburgh, Pa.

586— Bars (Timber)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

587— Bars (Towel)

Acme Specialty Mfg. Co., Toledo, Ohio
American Ring Co., Waterbury, Conn.
Autoyre Co. ("Maid-En-White" Enamel & Nickel Plated), Dept. H, Oakville, Conn.
Bache Semon & Co. (Imp Glass), 636 Greenwich, New York
Beaton & Cadwell Mfg. Co. ("Perfection" White & Crystal Glass), Dept. H, New Britain, Conn.
Boston Mirror Co. (Crystal), 129 Portland, Boston, Mass.
Bridgeport Wire Goods Co., East Port Chester, Conn.
Cassady, Fairbank Mfg. Co., 6126 La Salle, Chicago, Ill.
Central Specialty Mfg. Co. (Brass Nickel Plated), 404 S Kolmar av, Chicago, Ill.
Church C. F. Mfg. Co., Holyoke, Mass.
Columbus Brass Co. ("Columbus"), 620 Dublin av, Columbus, Ohio
See adv index at end of book
Dallas Brass & Copper Co. (Brass Nickel (Plates), 820H Orleans, Chicago, Ill.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Eustis J. P. Mfg. Co. ("Brasscrafters," Glass & Metal), Cambridge, Mass.
Fanner Mfg. Co. (Metal), Cleveland, O.
Forsyth Metal Goods Co., E Aurora, N. Y.
Garden City Plating & Mfg. Co. ("Kutztown"), 1430 S Talman av, Chicago, Ill.
Graham & Berwin (Glass), 451 Greenwich, New York
Novelty Mfg. Co. (Brass, Glass & Extension), Waterbury, Conn.
Parker Charles Co., Meriden, Conn.
Res Mfg. Co. ("Res" Roller, etc, Nickel Plated & Polished), 2907 Meinecke av, Milwaukee, Wis.
Silver & Co., 304 Hewes, Brooklyn, N. Y.
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*
Superior Brass Novelty Co. (Brass), 2740 Park av., New York
Taplin Mfg. Co., New Britain, Conn.
Van Houten E. J. S. (White Opal), 290 B'way, New York
Wickwire Spencer Steel Corp. ("Natwire" Glazed White), 41 E. 42nd, New York
See adv index at end of book

Bars (Transom)

See Metallic Sash Bars

588— Bars (Trapeze)

Hellenberg J. B. Co. (Also Horizontal & Doorway Bars & Indoor Wood Sporting Goods), Coldwater, Mich.

589— *Bars (Wood)

ESTES E. B. & SONS (Casket, Hammock, Spool, Towel, etc), 364 5th av, New York
See adv index at end of book
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book

Bars (Wrecking)

See Bars, Carpenters', Etc

590— Bars (Yellow Metal)

Taunton-New Bedford Copper Co., Taunton, Mass.

591— Barytes

See also Carbonate of Barytes

Barbour Chemical Works, 354 Pine, San Francisco, Calif.
CHRYSTAL CHAS. B. CO INC., 13 Cliff, New York *See adv index at end of book*
Doggett Stanley, 11 Cliff, New York
Drakenfeld B. F. & Co. (Carbonate, Chromate & Sulphate, Imp), 50 Murray, New York
Durex Chemical Corp. (Ground & Floated), 160 Front, New York
Fulper Edward B., Trenton, N. J.
Hammill & Gillespie (Imported), 240 Front, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Innis, Speiden & Co., Inc. (Imp.), 46 Cliff, New York
Lavino E. J. & Co. (Imp.), Bullitt bldg, Phila., Pa.
National Pigments & Chemical Co., 1 Sidney, St. Louis, Mo.
Point Milling & Mfg. Co., Mineral Point, Mo.
Product Sales Co., Equitable bldg, Baltimore, Md.
Reichard-Coulston Co. (Imp.), 95 Madison av, New York
Rolls H. J., Ellicott Sq. bldg, Buffalo, N. Y.
Salomon L. A. & Bro. (Imp Sulphate & Carbonate), 216 Pearl, New York
Scheel Wm. H. (Imp.), 179 Water, New York *See adv index at end of book*
Southern Acid & Sulphur Co., Rialto bldg, St. Louis, Mo.
Tennant C. Sons & Co. of N. Y. (Importers), 19 W 44th, New York
Thompson Weinman & Co., Cartersville, Ga.
Uhlich Paul & Co. (Imported Sulphate & Carbonate), 11 Cliff, New York
Wagner, Charles A. Co., Inc. (White-Water Floated), 222H N. Front, Phila., Pa.
Whittaker, Clark & Daniels, Inc. (Imp), 250 Front, N. Y.
WILLIAMS C. K. & CO., Easton, Pa.
See adv index at end of book

592— Base Ball Base Plates

Goodrich B. F. Co. (Rubber), Akron, O.
Spalding A. G. & Bros., 105 Nassau, New York
Stall & Dean Mfg. Co. (Canvas), Brockton, Mass.
Wilson, Thos. E. & Co., 727 N Sangamon, Chicago, Ill.
Wrought Washer Mfg. Co., Milwaukee, Wis.

593—Base Ball Body Protectors

Goodrich B. F. Co., Akron, O.
Horstman Wm. H. Co. (Leg & Foot), Phila., Pa.
Jarvis W. B. Co. ("Ty Cobb"), Grand Rapids, Mich.
National India Rubber Co., Bristol, R. I.
Rawlings Mfg. Co., 23rd & Lucas av, St. Louis, Mo.
Stall & Dean Mfg. Co., Brockton, Mass.
Tyer Rubber Co., Andover, Mass.
Wilson, Thos. E. & Co., 727 N Sangamon, Chicago, Ill.

594— Base Ball Mfrs.

De Beer J. & Son, Albany, N. Y.
Draper Maynard Co., Plymouth, N. H.
Goldsmith's P. Sons, John, Findlay & Charlotte, Cincinnati, O.
Harwood H. & Sons, Natick, Mass.
Jarvis W. B. Co. ("Ty Cobb"), Grand Rapids, Mich.
McLoughlin, Bundy & Sinsbaugh Co., 545 S Spring, Los Angeles, Cal.
Peach J. A. ("Peach"), Gloversville, N. Y.
Rademaker H. & Sons, Grand Rapids, Mich.
Rawlings Mfg. Co. ("Vacation," "Rawlings"), 23rd & Lucas av, St. Louis, Mo.
Reach A. J. Co., Tulip & Palmer, Phila., Pa.
Spalding A. G. & Bros., 105 Nassau, New York
Stall & Dean Mfg. Co. ("Stall & Dean"), Brockton, Mass.
Tryon Edw. K. Co. ("Tryon"), 817 Arch, Phila., Pa.
Victor Sporting Goods Co., 88 Birnie, Springfield, Mass.
Wilson, Thos. E. & Co., 727 N Sangamon, Chicago, Ill.
Young Geo. & Co., 715 S Western av, Chicago, Ill.

595—Bases (Battery Cut Out)

American Enamel Co., Neville, Providence, R. I.
BOGERT & HOPPER, INC. (also Moulded, Wooden & Switch), 57 Barclay, New York *See adv index at end of book*
Chicago Fuse Mfg. Co., Laflin & 15th, Chicago, Ill. *See adv index at end of book*
Economy Fuse & Mfg. Co., Greenview av at Diversey pkwy, Chicago, Ill.
See adv index at end of book
ESTES E. B. & SONS (Also Moulded, Wooden & Switch), 364 5th av, New York *See adv index at end of book*
Mutual Elec. & Mach. Co., 232 Fort W, Detroit, Mich.

595a— Bases (Cast Iron)

Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
Lehigh Foundry Co., Fullerton, Pa.

595b—Bases—Hood (Laboratory)

Alberene Stone Co., 153 W 23d, New York

596—Bases (Incandescent Lamp)

Bryant Electric Co., 1421 State, Bridgeport, Conn.
Patton-MacGuyer Co., 31 Mathewson, Providence, R. I.
Providence Base Works of General Electric Co., Atwell av., Providence, R. I.
White J. H. Mfg. Co., 111 N 3rd, Brooklyn, N. Y.

596a— *Bases (Loving Cup)

Beckwith Bros. Co., Westfield, Mass.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

597— *Bases (Oil Cup)

LUNKENHEIMER CO. (Pressure-Oil Systems), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
See adv index at end of book

598— Bases (Porch Column)

Majestic Co., Huntington, Ind.

599— Bases (Switch)

Bryant Elec. Co., 1421 State, Bridgeport, Conn.
Colgan Wm. H. Co. ("Rex"), West Newton, Mass.
Continental Fibre Co. ("Bakelite-Dilecto," Instrument Fibre), Newark, Del.
Delaware Hard Fibre Co. (Electric Fibre), Wilmington, Del.
See adv index at end of book
Estes E. B. & Sons (Electric), 364 5th av, New York
See adv index at end of book
Freeman E. H. Electric Co. (Porcelain), Trenton, N. J.
Gur Pressed Steel Co., Lansing, Mich.
Hart & Hegeman Mfg. Co., 342 Capitol av, Hartford, Conn.
Hemming Mfg. Co., Garfield, N. J.
Johns-Manville, Inc., Madison av. & 41st, New York
O'Day Bros. (Slate), Hydeville, Vt.
Pass & Seymour ("P & S"), Solvay, N. Y.
Stiles, H. A., & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book
Waterbury Button Corp., 831 S. Main, Waterbury, Conn.
See adv index at end of book
Weber Electric Co., Schenectady, N. Y.
Wilmington Fibre Specialty Co., Wilmington, Del.

600— Bases (Trolley)

Arcadia Trailer Corp. ("Arcadia"), Newark, N. Y.
Bayonet-Trolley-Harp Co., Springfield, O.
Holden & White, 80 E Jackson blvd, Chicago, Ill.
Holland Trolley Supply Co. (Ball Bearing), 1623 E 43rd, Cleveland, O.
Lord Mfg. Co. ("Sterling-Meaker" Roller Bearings), 105 W 40th, New York
Nuttall R. D. Co. ("Union Standard"), Mc Candless & Harrison av, Pittsburgh, Pa.
Ohio Brass Co., Mansfield, O.
Recording Fare Register Co., New Haven, Conn.

600a— Bases (Y)

MANNING MAXWELL & MOORE INC. (CONSOLIDATED SAFETY VALVE CO. DIV.), 100 E 42nd, New York
See adv index at end of book

601— Basins (Catch)

American Foundry & Mfg. Co. (Cast Iron), 11th & Hebert, St. Louis, Mo.
Aylward Sons Co., Neenah, Wis.
Burch Plow Works Co., Crestline, O.
Burr Co., Champaign, Ill.
Canton Foundry & Machine Co., Canton, O.
See adv index at end of book
Columbian Iron Works ("Columbian"), 811 Boyce, Chattanooga, Tenn.
Davies & Thomas Co., Catasauqua, Pa.
Decatur Foundry Furnace & Machine Co., Decatur, Ind.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Duplex Mfg. & Foundry Co., Elyria, O.
Elkhart Iron Works ("Elkhart" Cast Iron Blow Off Gravel & Drainage), Elkhart, Ind.
Estabrook's R. Sons ("Estabrook"), 202 1st, Boston, Mass.
Galena Foundry & Machine Co., Galena, Kan.
Gillie Machine Co., Tonawanda, N. Y.
Gross Geo. & Son, (Cast Iron), Rockaway Beach, L. I.
Madison Foundry Co. ("Acme"), Cleveland, O.
Munnsville Plow Co., Munnsville, N. Y.
New York Central Iron Works Co., Inc., Dept. H, Hagerstown, Md.
Parsons Co., Newton, Ia.
Rothe Jos. F. Foundry Co., Green Bay, Wis.
Sessions Foundry Co., Bristol, Conn.
Starke's Dixie Plow Works, Inc. (Sewer), 1518 E Cary, Richmond, Va.
TOWNSEND FOUNDRY & MACHINE SHOP CO., Broadway & Rensselaer, Albany, N. Y.
See adv index at end of book
Wade Iron Sanitary Mfg. Co., 551 Fulton, Chicago, Ill.
Withers Foundry & Machine Works, Atlanta, Ga.
Youngstown Foundry & Machine Co., Youngstown, O.

602— Basins (Wash)

Florentine Pottery Co., Cambridge, Ohio
Geuder, Paeschke & Frey Co. (Porcelain), 1314-1790 St. Paul av, Milwaukee, Wis. *See adv index at end of book*
Kokomo Sanitary Mfg. Co. (Porcelain), Kokomo, Ind.
Maddock's Thos. Sons Co., Trenton, N. J.
Resolute Pottery Co., Trenton, N. J.
Rundle Mfg. Co. (Enameled), 27th & Wahl, Milwaukee, Wis.
West Coast Porcelain Mfrs. ("West Coast"), Millbrae, Cal.

602a— Basket Racks

See also Racks (Basket)

DURABILT STEEL LOCKER CO., Aurora, Ill.
See adv index at end of book

602b—Baskets (Burnishing, Acid Proof)

(Names with * also manufacture in Monel Metal)

*Beckley Perforating Co., Garwood, N. J.
*Cleveland Wire Cloth Co., Cleveland, O.
General Ceramics Co., 50 Church, New York
*Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp., C. O., Southport, Conn.
Knight Maurice A., Akron, O.
Multi Metal Co., 801 E 139th, New York
*Munning & Co. John P., New Haven, Conn.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co. W. S., Cleveland, O.

602c— Baskets (Centrifugal)

(Names with * also manufacture in Monel Metal)

American Tool & Machine Co., 10 High, Boston, Mass.
*Beckley Perforating Co., Garwood, N. J.
*Cleveland Wire Cloth Co., Cleveland, O.
Darby, Edw. J., & Son, 319 Vine, Phila, Pa. *See adv index at end of book*
Hamilton Copper & Brass Works, Hamilton, Ohio
*Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp., C. O., Southport, Conn.
Manhattan Rubber Mfg. Co., Passaic, N. J.
Multi Metal Co., 801 E 139th, New York
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co. W. S., Cleveland, O.

603— Baskets (Clothes)

Baillie Basket Co. (Rattan, Willow, etc), 165 Beacon Soml., Boston, Mass.
Ballou M. E. & Son Co., Becket, Mass.
Burlington Basket Co., Burlington, Ia.
Butler Basket Co. (Fine Splint Maple Reed, etc), Butler, Ind.
Erie Art Metal Co., Erie, Pa.
Greenspan, Wolf & Sons ("Qualityware"), 686 Grand, Brooklyn, N. Y.
Huke Wm. Mfg. Co., 4311 S Grand, St. Louis, Mo.
Moore, Arthur J. ("Climax," "Common Sense"), Wells River, Vt.
Peru Basket Co. (Splint, Reed, etc), Peru, Ind.
Portland Basket & Handle Co., 1321 MacAdam, Portland, Ore.
Redmon W. C. Sons & Co. ("Red Man"), Peru, Ind.
Rochester Can Co. ("Iron Horse" Galvanized Hampers), 89 Hague, Rochester, N. Y.
Standard Woodenware Co., Inc., 830 Traction av, Los Angeles, Cal.
Steinfeld Bros. (Willow Baskets, Hampers, etc), 116 W 32d, New York
Thurwachter L. L. & Sons (Hand-made, Willow, etc.), 215 W Favette, Syracuse, N. Y.
Webster Basket Co., 148H Railroad, Rochester, N. Y.

604— Baskets (Coal, Etc.)

Butler Basket Co. (Bamboo, etc), Butler, Ind.
Darby, Edw. J. & Son, 319 Vine, Phila., Pa. *See adv index at end of book*
Edgerton Mfg. Co., Plymouth, Ind.
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Morris & Co. (Cotton Ducke), Groveville, N. J.
Peru Basket Co. (Iron Bound, Bamboo, etc), Peru, Ind.
Sackett, H. B. Screen & Chute Co., 1691 Elston av, Chicago, Ill.
South Side Fdry. & Mach. Wks., Charleston, W. Va.
Standard Woodenware Co., Inc., 830 Traction av, Los Angeles, Cal.
Steel Basket Co. (Corrugated Steel), Cedar Rapids, Ia.
Webster Basket Co., 148H Railroad Rochester, N. Y.

605-6—Baskets (Counter Display)

Hamblin & Russell Mfg. Co., Worcester, Mass.
Meyers Fred. J. Mfg. Co., Hamilton, O.
Parker Wire Goods Co. (Wire), Worcester, Mass.
Peerless Wire Goods Co., Lafayette, Ind.
Progressive Wire Goods Co., 13th & Hamilton, Phila., Pa.
Rattan Mfg. Co. ("Sawyer Silent Salesman," "Rattan"), New Haven, Conn.
Standard Woodenware Co., Inc., 830 Traction av, Los Angeles, Cal.
UNITED STEEL & WIRE CO., 327 Fonda av, Battle Creek, Mich.
Webster Basket Co., 148H Railroad, Rochester, N. Y.
Wickwire Spencer Steel Corp, Worcester, Mass. *See adv index at end of book*
Washburn Co. (Wire Goods Div.) (Wire), 28 Union, Worcester, Mass.
Woods-Sherwood Co., 28 Union, Worcester, Mass.

607— Baskets (Dipping)

See also Stoneware, Chemical

(Names with * also manufacture in Monel Metal)

Barker Bros. Inc. (Aluminum, Steel, Stoneware & Wire), 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
*Beckley Perforating Co., Garwood, N. J.
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
*Cleveland Wire Cloth Co., Cleveland, O.
Darby Edw. J. & Son. 319 Vine, Phila., Pa.
See adv index at end of book
Driver-Harris Co. ("Nichrome"), Harrison, N. J. *See adv index at end of book*
General Ceramics Co. (Acid Proof), 50 Church, New York
*Hendrick Mfg. Co., Carbondale, Pa.
Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Jelliff C. O. Mfg. Corp., Box 68, Southport, Conn.
Knight Maurice A., Akron, O.
Kraft A. C., 323 W Lake, Chicago, Ill.
Moss & Whyte Co., Sidney & Pilgrim, Cambridge, Mass.
*Munning & Co. John P., New Haven, Conn.
O'Neill, Joseph, Wire Works, Port Chester, N. Y.
Smith John P. & Co. (All Metals), New Haven, Conn.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
Tyler W. S. & Co., Cleveland, Ohio
See adv index at end of book
Wickwire Spencer Steel Corp. ("Excelsior" Steel & Brass Wire), Worcester, Mass. *See adv index at end of book*

Baskets (Fibre)

See Baskets, Mill

608— Baskets (Flower)

Burlington Willow Ware Shop ("Will-O-Ware"), Burlington, Iowa
Mas-Art Basket Works Inc., 2001 E. 14th, Oakland, Cal.
Zinn Chas. & Co., 16 E. 15th, New York

609— Baskets (Frying)

See also Baskets, Wire

Pioneer Wire Works, 133-135 Federal, Camden, N. J.
See adv index at end of book
Royal Mfg. Co., 406 Commerce, Phila., Pa.
Washburn Co. (Andrews Division), Preston, Rockford, Ill.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wilson Mfg. Co., Niles, O.

610-11—Baskets (Galvanized Steel)

Atlantic Stamping Co. (Galvanized Iron), 156-180 Ames, Rochester, N. Y.
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Crunden Martin Mfg. Co., 2d & Gratiot, St. Louis, Mo.
Darby Edw. J. & Son, 319 Vine, Phila., Pa. *See adv index at end of book*
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Lisk Mfg. Co. (Ltd.) ("Lisk," Aluminum Galvanized), Canandaigua, N. Y.
Mead & Wheeler Co. ("San Steel"), 35 S. Wabash av, Chicago, Ill.
National Enameling & Stamping Co., 411 5th av, New York
Pioneer Wire Works, 133-135 Federal, Camden, N. J.
See adv index at end of book
Rochester Can Co. ("Iron Horse" Ash Corrugated, Perforated), 89 Hague, Rochester, N. Y.
Rochester Stamping Co., Rochester, N. Y.
Steel Basket Co. (Corrugated), Cedar Rapids, Ia.
Wheeling Corrugating Co., Wheeling, W. Va.

612—Baskets, Hampers & Touring Cases (Automobile)

Baillie Basket Co., 165 Beacon Soml., Boston, Mass.
Butler Basket Co., Butler, Ind.
Erie Art Metal Co. (Laundry or Paper Towel), Erie, Pa.
Fuller G. W. Co., 314 Asylum, Hartford, Conn.
Hettrick Mfg. Co., Toledo, Ohio
Heywood Bros. & Wakefield Co., Gardner, Mass.
Holbrook Raw Hide Co., 748 N Main, Providence, R. I.
KNICKERBOCKER CASE CO. (Automobile Luncheon Kits), Fulton & Clinton, Chicago, Ill.
Kroh C. Z. Mfg. Co., Toledo, O.
Leipzag A., Inc., 14 W. 24th, New York
Los Angeles Basket Co., 774 Market, Los Angeles, Cal.
Lowell Building & Supply Co., Lowell, O.
Morrison L. E. & Co., 27 W Washington, Indianapolis, Ind.
Nathan Novelty Mfg. Co., 2157 Prospect av., New York
Niagara Auto Radiator Co. (Metal Hampers), 151 W 68th, New York
Peru Basket Co., Peru, Ind.
Post & Lester Co., 112 Allyn, Hartford, Conn.
Redmon W. C. Sons & Co. ("Red Man"), Dept. H, Peru, Ind.
Reliable Auto Parts Co. (Metal Hampers), 244 W 49th, New York
Rumpp C. F. & Sons (Luncheon Baskets), 5th & Cherry, Phila., Pa.
Standard Woodenware Co., Inc., 830 Traction av, Los Angeles, Cal.
Taylor C. A. Trunk Works, 28 E Randolph, Chicago, Ill.
Williams Mfg. Co. (Ash or Rattan), Northampton, Mass.
Winship W. W., 71 Summer, Boston, Mass

613— Baskets (Mill)

Amos Chas. & Co. Inc., 3000 Hart av, Detroit, Mich.
Ballou M. E. & Son Co., Becket, Mass.
Butler Basket Co. (Bamboo, etc), Butler, Ind.
Cordley & Hayes (Fibre, Waste Paper), 32 Leonard, New York
See adv index at end of book
Crane Bros., Westfield, Mass.
Cummings Josiah & Son ("Hub" Fibre), 657 Atlantic av, Boston, Mass.
DELAWARE HARD FIBRE CO. (Hard Fibre), Wilmington, Del. Works: Marshallton, Del.
See adv index at end of book

DIAMOND STATE FIBRE CO. (Mill & Store Baskets, Waste Baskets), Dept. 87, Bridgeport, Pa.
See adv index at end of book
Hardy Frank H. (White Oak), Andover, Mass.
Lane W. T. & Bro. (Canvas & Steel Frame), Poughkeepsie, N. Y.
Lansing Co., Lansing, Mich.
Los Angeles Basket Co., 774 Market, Los Angeles, Cal.
Morris & Co (Cotton Duck), Groveville, N. J.
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
Portland Basket & Handle Co., 1321 MacAdam. Portland, Ore.
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
See adv index at end of book
Spaulding Fibre Company Inc. (Fibre), Tonawanda, N. Y.
See adv index at end of book
Standard Fibre Co. (Hard Fibre), Miller st, Somerville, Mass.
Steel Basket Co. (Mounted on Casters), Cedar Rapids, Ia.
Webster Basket Co., 148H Railroad, Rochester, N. Y.
Williams Mfg. Co. (Bamboo or Oak, also Iron Strapped & Iron Wheels or Casters), Northampton, Mass.

613a—Baskets (Perforated Sheet Monel Metal)

Beckley Perforating Co., Garwood, N. J.
Furman Engineering Corp., 30 Church, New York
Giles Dyeing Machinery Co., North Philadelphia, Pa.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Munning & Co. A. P., Matawan, N. J.
Sholes Inc., 186 Lafayette, New York
Steel Products Mfg. Co., Cicero, Ill.

614— Baskets (Rawhide)

Barlow John W. Co., Lawrence, Mass.
Holbrook Raw Hide Co., 748 No Main, Providence, R. I.

615— Baskets (Refrigerator)

Burlington Basket Co. ("Hawkeye"), Burlington, Ia.
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book

616— Baskets (Satchel)

Burlington Basket Co., Burlington, Ia.
Portland Basket & Handle Co., 1321 MacAdam, Portland, Ore.

617— Baskets (Sheet Steel)

Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Erie Art Metal Co., Erie, Pa.
Fidelity Can Co., 600H S. Caroline, Baltimore, Md.
Metal Office Furniture Co., Grand Rapids, Mich.
Steel Basket Co., Cedar Rapids, Ia.
Wheeling Corrugating Co., Wheeling, W. Va.

618— Baskets (Stave)

Burlington Basket Co., Burlington, Ia.
Butler Basket Co. (Elm, etc, Bushel, etc), Butler, Ind.
Farmers Mfg. Co., Norfolk, Va.
New Albany Box & Basket Co., New Albany, Ind.
Peru Basket Co., Peru, Ind.
Portland Basket & Handle Co., 1321 MacAdam, Portland, Ore.

618a— Baskets (Ticker)

Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Erie Art Metal Co., Erie, Pa.

618b— Baskets (Towel)

Central Specialty Mfg. Co., 404 S. Kolmar av, Chicago, Ill.
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Erie Art Metal Co., Erie, Pa.

619— Baskets (Waste Paper)

See also Baskets-Mill; Sheet Steel; Wire
Angle Steel Stool Co. (Metal), Otsego, Mich.
Art Metal Construction Co., Jamestown, N. Y.
Bailie Basket Co. (Willow), 32 Sudbury, Boston, Mass.
Barbee Wire & Iron Works (Wire), Lafayette, Ind.
Browne Morse Co. (Wood), Muskegon Heights, Mich.
Burlington Basket Co., Burlington, Ia.
Burlington Willow Ware Shops ("Willow Ware"), Burlington, Ia.
Central States Steel Equipment Co. ("Bettey-Bilt" & "Central States"), Center & Allen, Joliet, Ill.
Cordley & Hayes ("Fibretta" Paper Fibre), 32 Leonard, New York
See adv index at end of book
Crane Bros. (Fibre), Westfield, Mass.
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Diamond State Fibre Co. ("Diamond" Fibre), Dept. 87, Bridgeport, Pa.
See adv index at end of book
Duggan-Rider Co. (Cold Rolled Steel, Oxidized, Copper or Brushed Brass), Erie, Pa.
Erie Art Metal Co. ("Dan-Dee" Fireproof), Waste Baskets, Erie, Pa.
Fidelity Can Co., 600H S. Caroline, Baltimore, Md.
Globe-Wernicke Co. (The), (Wood), 25 Carthage av, Cincinnati, Ohio
See adv index at end of book
Greenspan, Wolf & Sons ("Qualityware"), 686 Grand, Brooklyn, N. Y.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Heywood Bros. & Wakefield Co. (Reed), Gardner, Mass.
Huke Wm Mfg Co. (Rattan & Willow), 4311 S. Grand, St. Louis, Mo.
Lamson F. H. Co. ("Lawco" corrugated steel), Evans & Whately, Cincinnati, Ohio
Massillon Wire Basket Co. ("Daisy"), Massillon, Ohio
Mead & Wheeler Co. ("San Steel" Metal), 35 S. Wabash av, Chicago, Ill.
Metal Office Furn. Co. (Metal), Grand Rapids, Mich.
NATIONAL VULCANIZED FIBRE CO. ("Vul-Cot"), Beach & Maryland av, Wilmington, Del.
See adv index at end of book
North Western Expanded Metal Co. ("Memco" Expanded Metal), 1223 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Norwich Wire Works, Norwich, N. Y.
Parker Wire Goods Co. (Wire), Worcester, Mass.
Peerless Wire Goods Co., Lafayette, Ind.
Peru Basket Co. (Bamboo & Splint), Peru, Ind.
Portland Basket & Handle Co., 1321 MacAdam, Portland, Ore.
Progressive Wire Goods Co. (Wire), 13th & Hamilton, Phila., Pa.
Redmon W. C. Sons & Co. ("Red-Man"), Dept. H, Peru, Ind.
Rochester Can Co. ("Iron Horse" Steel), 89 Hague, Rochester, N. Y.
Rogers Fibre Co. ("Leatheroid") 121 Beach, Boston, Mass.
See adv index at end of book
Standard Fibre Co. (Hard Fibre), Miller, Somerville, Mass.
Standard Wire Co. (Wire), New Castle, Pa.
Standard Woodenware Co., Inc., 830 Traction av, Los Angeles, Cal.
Steinfeld Bros. (Willow Ware), 116 W 32d, New York
Stow & Davis Furniture Co., Grand Rapids, Mich.
Union Steel Products Co., Ltd. ("Union"), Albion, Mich.
Washburn Co. (Andrews Division), Preston, Rockford, Ill.
Watson Mfg. Co. (Steel), Jamestown, N. Y.
Webster Basket Co., 148H Railroad, Rochester, N. Y.
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*
Williams Mfg. Co. (Rattan, etc.), Northampton Mass.
Washburn Co. (Wire Goods Div.) (Wire), 28 Union, Worcester, Mass.
Woods-Sherwood Co. (Wire), 28 Union, Worcester, Mass.
Worcester Wire Novelty Co., Emerson Tower bldg, Baltimore, Md.

620— Baskets (Willow, Trout)

Basket Importing Co., 5 Union sq, New York
Krauss & Co., 11 W Houston, New York
Leipzig A., Inc., 14 W. 24th, New York
Standard Woodenware Co., Inc., 830 Traction av, Los Angeles, Cal.
Zinn Chas. & Co., 893 B'way, New York

621—Baskets (Willow & Split)

Burlington Willow Ware Shop ("Will-O-Ware"), Burlington, Iowa
Greenspan, Wolf & Sons ("Qualityware" Shoppers & Market Willow), 686 Grand, Brooklyn, N. Y.
Huke Wm. Mfg. Co. (Willow Ware), 4316 S. Grand, St. Louis, Mo.

622— Baskets (Wire)

(Names with * also manufacture in Monel Metal).

Amalgamated Metals Selling Co. Ltd., 120 E. 16th, New York
Automatic Wire Goods Mfg. Co., 886 Canal pl, New York
Barbee Wire & Iron Works ("Acme" "Climax" for Office Use), Lafayette, Ind.
*Beckley Perforating Co., Garwood, N. J.
Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y. *See adv index at end of book*
*Cleveland Wire Cloth Co., Cleveland, O.
Columbus Wire & Iron Wks. Co. (Canners), Columbus, O.
DARBY EDW. J. & SON (We make a complete line of wire baskets for every use from Steel, Brass, Copper, Aluminum & Monel Metal. Platers Baskets a Specialty), 319 Vine, Phila., Pa.
See adv index at end of book
Electrical Alloy Co. (Dipping), Morristown, N. J.
Hamblin & Russell Mfg. Co., 28 Water, Worcester, Mass.
*Hendricks Mfg. Co., Carbondale, Pa.
Hibbard Basket Works, South Butler, N. Y.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New Nork. (See insert under Monel Metal)
See adv index at end of book
Jelliff C. O. Mfg. Corp., P. O. Box 68, Southport, Conn.
Krauss & Co., 11 W Houston, New York
Lasar Mfg. Co., 1313 N. 16th, St. Louis, Mo.
Leipzig A., Inc., 14 W. 24th, New York
Massillon Wire Basket Co., Massillon, O.
Metropolitan Basket Co., 39 Gt. Jones, New York
Meyers Fred J. Mfg. Co., Hamilton, O.
Morse & Whyte Co. (Dipping), Sidney & Pilgrim, Cambridge, Mass.
*Munning & Co. John P., New Haven, Conn.
Norwich Wire Works, Norwich, N. Y.
Parker Wire Goods Co. (Counter, Letter, Mail, Sponge, Toilet Paper, Waste Paper, Frying, etc), Worcester, Mass.
Peerless Wire Goods Co., Lafayette, Ind.
Phoenix Wire Works (Dipping), Kirby & Dequindre, Detroit, Mich.
Pioneer Wire Works, 133-135 Federal, Camden, N. J.
Progressive Wire Goods Co. (And Office Wire Goods), 13th & Hamilton, Phila., Pa.
Racine Iron & Wire Works (Hanging), Racine, Wis.
Rochester Brass & Wire Works, 76H Exchange, Rochester, N. Y.
Ruhmann G. E., Schulenburg, Texas.
SMITH F. P. WIRE & IRON WORKS, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Smith John P. & Co., New Haven, Conn.
Standard Wire Co., New Castle, Pa.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
TYLER W. S. CO., Cleveland, O.
See adv index at end of book
Union Steel Products Co., Ltd., Albion, Mich.
United Steel & Wire Co. (Delivery & Counter Baskets for Bakeries), 327 Fonda av, Battle Creek, Mich.
Washburn Co. (Andrews Division), Preston, Rockford, Ill.
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*
Wire Hardware Co., 6126 S La Salle, Chicago, Ill.
Wisconsin Iron & Wire Wks. (Dipping), Milwaukee, Wis.
Woods-Sherwood Co. (Counter, Desk, Sponge, Fruit, Twine, Waste Paper, etc.), 28 Union, Worcester, Mass.
Worcester Wire Novelty Co., Emerson Tower bldg, Baltimore, Md.

623—Baskets (Wooden Market)

Anderson Box & Basket Co., Henderson, Ky.
Burlington Basket Co., Burlington, Ia.
Bryant Mfg. Co., Springfield, O.
Farmers Mfg. Co., Norfolk, Va.
Maney M. J., Geneva, N. Y.
Puget Sound Basket Works, 2845 16th W., Seattle, Wash.

624-5— Basofor

Black Robt. & Co., Bay City, Mich.
Doud Sons & Co., Winona, Minn.
Dwight Lumber Co., River Rouge, Detroit Mich.
Elias G. & Bro., 965 Elk, Buffalo, N. Y.
Grand Rapids Veneer Works, Grand Rapids, Mich.
Goodwillie Bros., 10 La Salle, Chicago, Ill.
Jones Hardwood Co. (Birch, Beech & Maple), 10 High, Boston, Mass.
Waldo E. M. & F., Selling Agents, 11 B'way, New York

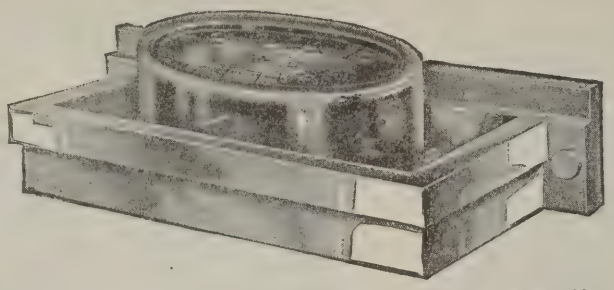
626— Batch Mixing Plants

Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Heyl & Patterson, 51 Water, Pittsburgh, Pa.
ROBINSON H. MFG. Co., Muncy, Pa.
Sprout Waldron & Co., Muncy, Pa.
See adv index at end of book
Stephens-Adamson Mfg. Co. ("S.-A."), Aurora, Ill.

626a— Batch Transfer Cans (Monel Metal)

Beckley Perforating Co., Garwood, N. J.
Farber Sheet Metal & Roofing Co., Pawtucket, R. I.

(Continued on following page)



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Batch Transfer Cans (Monel Metal)—Continued

Giles Dyeing Machinery Co., North Philadelphia, Pa.
Hendrick Mfg. Co., Carbondale, Pa.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Liberty Coppersmithing Co., Philadelphia, Pa.
Schaefer Co. Emil, Philadelphia, Pa.
Sholes Inc., 186 Lafayette, New York
Smith, Drum & Co., Philadelphia, Pa.
Wilson Co. Andrew, Lawrence, Mass.

626b— Batchers (Adjustable Measuring)

Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book

BLAW-KNOX CO.
681 Farmers Bank Building
PITTSBURGH, PA.
Manufacturers of
Adjustable Measuring Batchers

626c— Bate (Tanners)

Martin-Dennis Co. ("Puerine"), 859 Summer av, Newark, N. J.

627—Bath Cabinets (Thermal, Etc.)

Buffalo Bath Cabinet Co., 435 William, Buffalo, N. Y.
Cabinet Mfg. Co. ("Superior"), Quincy, Ill.
Goethel Alex. G., 815 Winnebago, Milwaukee, Wis.
New York Bath Mfg. Co. (Vapor), 103 Chambers, New York
Toledo Cooker Co. ("Ideal" Vapor), Toledo, O

628-9— Bath (Oil Tempering)

GENERAL ELECTRIC CO. ("Electric"), Schenectady, N. Y.
See adv index at end of book
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Rockwell W. S. Co., 50 Church, New York
See adv index at end of book

630—Bath Room Fixtures & Furnishings

Acme Specialty Mfg. Co., Toledo, O.
Aluminum Goods Mfg. Co. (Aluminum), Manitowoc, Wis.
American Ring Co., Waterbury, Conn.
Anderson Geo. H. & Co. (Plate Glass, Towel Bars, Shelves, etc), 1467 W Austin av, Chicago, Ill.
Art Brass Co. ("San-o-la" Cast & Stamped Brass), 299 E 134th, New York
Automatic Wire Goods Mfg. Co. (Towel Brackets, Soap Dishes, Sponge Holders), 386 Canal pl, New York
Autoyre Co. ("Maid-En-White" White Enamel & Nickel Plate), Dept. H, Oakville, Conn.
BAKER S. D. MFG. CO. ("Samsonchina," China Soap & Sponge Holders, Towel Racks, etc.), 234 W. 14th, New York
See adv index at end of book
Barrett Jas. Mfg. Co., 117 Pearl, Boston, Mass.
Behrer & Co., 81 Beekman, New York
Bens S. J. Mfg. Corp., Herkimer, N. Y.
Blessing C. A., 513 Montgomery av, Phila., Pa.
Bloom Flusher Co. (Closet & Shower Bath Attachments), Tiffin, O.
Boston Mirror Co. (Mirrors, Glass Shelves, Medicine Cabinets, etc.), 129 Portland, Boston, Mass.
Brey & Krause Mfg. Co., 244 N. Front, Allentown, Pa.
Buffalo Mach. Mfg. Co. (Soap & Sponge Holders, Towel Racks, etc.), 1354 West av, Buffalo, N. Y.
Buffalo Wash Tray Works (Enameled Concrete Toilet Tanks), 601 Tonawanda, Buffalo, N. Y.
Burrowes E. T. Co. (Medicine Cabinet Stools & Blacking Stands), 68 Free, Portland, Me.
Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Central Specialty Mfg. Co., 404 S. Kolmar av, Chicago, Ill.
Church C. F. Mfg. Co. ("White Pyralin"), Dept. H, Holyoke, Mass.
Clarke Robert, 100 Schermerhorn, Brooklyn, N. Y.
Clow Jas. B. & Sons, Franklin & Harrison, Chicago, Ill.
Columbus Brass Co., 620 Dublin av, Columbus, Ohio *See adv index at end of book*
Conant Bros. Co. ("Sanoid"), Somerville, Mass.
Dalton-Ingersoll Mfg. Co., 365 Atlantic av, Boston, Mass.
Dayton Mfg. Co., Dayton, O.
Dearborn Brass Co., Cedar Rapids, Ia.
Detroit Sanitary Supply Co., 5905 Second, Detroit, Mich.
Douglas Jno. Co., Carthage, Cincinnati, O.
Eastern Specialty Mfg. Co., Scranton, Pa.
Ebinger D. A. Sanitary Mfg. Co., 181 Lucas, Columbus, O.
Edwardsville Brass Co. (Soap Cups, Tumbler-Holders, Comb & Brush Trays, Bath Seats, etc), Edwardsville, Ill.
Eustis J. P. Mfg. Co. ("Brasscrafters," Soap Dishes, Towel Bars, Mirrors, Medicine Cabinets, etc), Cambridge, Mass.
FAIRFACTS CO., INC. ("Fairfacts," "Biltin" China Soap & Sponge Holders, Towel Racks, etc.), 234-236 W. 14th, New York
See adv index at end of book
Federal-Huber Co., 234 N Halsted, Chicago, Ill.
Forsyth Metal Goods Co. (Towel Bars, Tumbler Holder, Comb & Brush Shelf, Soap Tray, etc), E. Aurora, N. Y.
Foster Merriam & Co., Meriden, Conn.
Frost Mfg. Co., Kenosha, Wis.
Frank & De Keyser, 288 Greenwich, New York
Galard Co. ("Omala"), 335 6th av, Newark, N. J.
Garden City Plating & Mfg. Co., 1430 S Talman av, Chicago, Ill.
Gaynor Mfg. Co., Bridgeport, Conn.
Haines, Jones & Cadbury Co. ("Hajoca"), 1136 Ridge av., Phila., Pa.
Hamblin & Russell Mfg. Co. (Wire), Worcester, Mass.
Haydenville Co., Haydenville, Mass.
Heap Wm. & Sons, Grand Haven, Mich.
Hoffmann & Billings Mfg. Co., 100 2nd, Milwaukee, Wis.
Humphryes Mfg. Co., Mansfield, O.
Imperial Brass Mfg. Co., 1200 W. Harrison, Chicago, Ill.
Improved Sanitary Fixture Co., 612 Metropolitan bldg, Los Angeles, Cal.
Landers, Frary & Clark ("Universal"), New Britain, Conn.
McCambridge Co., 315 N 20th, Phila., Pa.
Manning, Bowman & Co., Meriden, Conn.
Metal Crafters, East Stroudsburg, Pa.
Mott J. L. Iron Works, Trenton, N. J.
Murdock Mfg. & Supply Co., 426 Plum, Cincinnati, O.
Nelson N. O. Mfg. Co., 10th & Chestnut, St. Louis, Mo.
Nicoud Mfg. Co., 9 W. Illinois, Chicago, Ill.
Novelty Mfg. Co. ("Wilwear" Trimmings, Soap Dishes, Backs, etc), Waterbury, Conn.
Pacific Faucet Mfg. Co., 940 E 60th, Los Angeles, Cal.
Park & McKay, 55 Bagley av, Detroit, Mich.
Parker Chas. Co., Meriden, Conn.
Phoenix Metal Stamping Co., 2827 W. Fletcher, Phila., Pa.
Pioneer Wire Works (Full Line), 133-135 Federal, Camden, N. J.
See adv index at end of book
Pocono Metal Mfg. Co., Inc., East Strousburg, Pa.
Rundle-Spence Mfg. Co., 63 2d, Milwaukee, Wis.
Sanitas Mfg. Co., 105 Washington, Boston, Mass.
Savill's Thos. Sons, 1310 Wallace, Phila., Pa.
Searls Mfg. Co. ("Palette Brand," "Star Brand"), 29 Mulberry, Newark, N. J.
Silcocks-Miller Co. ("Celluvarno"), South Orange, N. J.
Smith E. C. Mfg. Co., 429 W. Superior, Chicago, Ill.
Speakman Co. (Faucets, Bath Fixtures, etc.), Wilmington, Del.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Stebbins E. Mfg. Co., 16 Belvidere, Springfield, Mass.
Stephenson C. H. ("Stephenson" Towel Rods, Medicine Cabinets, Soap & Sponge Holders), Lynn, Mass.
Street & Kent Mfg. Co., 549 Fulton, Chicago, Ill.
Superior Brass Novelty Co. (Brass), 2740 Park av, New York
Trenton Brass & Machine Co., Trenton, N. J.
Waterburg Mfg. Co., Division Chase Co., Inc. (Bath Sprays, etc.), Waterbury, Conn.
Webb F. W. Mfg. Co., 56 Elm, Boston, Mass.
West Coast Porcelain Mfrs. ("West Coast"), Millbrae, Cal.
Whiting-Mead Pottery Co. ("Poppy"), 415 E. 9th, Los Angeles, Cal.
Wickwire Spencer Steel Corp. ("Natwire" White Enamel), 41 E. 42nd, New York
See adv index at end of book
Wise J. B. Inc. ("Wisco"), Watertown, N. Y.
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.
Wolverine Brass Works (Towel Bars, Soap Cups, etc), Grand Rapids, Mich.

Bath Tubs (Ceramic)

See Bath Tubs, Porcelain

631— Bath Tubs (Copper)

See also Boilers, Copper Range

Blessing C. A., 516 Montgomery av, Phila., Pa.
Fleck Bros. Co., 44 N 5th, Phila., Pa.
Walker Mfg. & Supply Co., Shelby & Woodbridge, Detroit, Mich.

632—Bath Tubs (Enameled Iron)

Buffalo Wash Tray Works, 601 Tonawanda, Buffalo, N. Y.
Crane Enamelware Co. ("Southern Beauty"), 14th & Chestnut, Chattanooga, Tenn.
Ebinger D. A. Sanitary Mfg. Co., 181 Lucas, Columbus, O.
Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
Iron City Sanitary Mfg. Co., Oliver bldg, Pittsburgh, Pa. Works: Zelienople, Pa.
Kohler Co. ("Sovereign," "Imperial"), Dept. H, Kohler, Wis.
McVay-Walker Co. ("Seneca," "Mendota," "Winona," "Narco"), Braddock, Pa.
Mott J. L. Iron Works, Trenton, N. J.

Nason Mfg. Co., 71 Fulton, New York.
See adv index at end of book
National Sanitary Co., Salem, Ohio
Nelson, N. O. Mfg. Co., 928 Chestnut, St. Louis, Mo.
Pacific Sanitary Mfg. Co. ("Pacific"), 67 New Montgomery, San Francisco, Cal.
Peck Bros. & Co., New Haven, Conn.
Richmond Radiator Co., 1480 B'way, New York
Rundle Mfg. Co., 27th & Wahl, Milwaukee, Wis.
Sanitas Mfg. Co. ("Brown," "Hoffman," "Empire," "Albemarle"), 105 Washington, Boston, Mass.
Santa Fe Foundry Co., Richmond, Cal.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Union Sanitary Mfg. Co., Noblesville, Ind.
United States Sanitary Mfg. Co., Arrott bldg, Pittsburgh, Pa., & Monaca, Pa.
Walls, Owen & Stambach Co., 11th & Hamilton, Philadelphia, Pa.
Washington Iron Works ("Washington"), 1141 Mateo, Los Angeles, Cal.
Weiskittel A. & Son Co., 12th & Lombard, Baltimore, Md.
Wheeling Sanitary Mfg. Co. ("Porcelain," Enameled Iron), Wheeling, W. Va.
Whiting Mead Co. ("California Poppy"), 415 E. 9th, Los Angeles, Cal.
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.

633— Bath Tubs (Folding)

Acme Folding Boat Co., Miamisburg, O.
Comfort Chemical Closet Co., 12th & Woodruff av, Toledo, O.
Davol Rubber Co. ("Robinson" Rubber), 69 Point, Providence, R. I.
New York Bath Mfg. Co., 103 Chambers, New York
Rowe Sanitary Mfg. Co., 508 W Congress, Detroit, Mich.

634—Bath Tubs (Galvanized Steel Enameled)

Columbian Steel Tank Co., New England bldg, Kansas City, Mo.
Phoenix Metal Stamping Co., 2827H W. Fletcher, Philadelphia, Pa.
Union Tank & Pipe Co., 2801 Santa Fe av, Los Angeles, Cal.
Walker Mfg. & Supply Co., Shelby & Woodbridge, Detroit, Mich.

635— Bath Tubs (Infants')

Central Stamping Co., 206 B'way, New York
Cordley & Hayes (Fibre), 32 Leonard, New York *See adv index at end of book*
Geuder, Paeschke & Frey Co. (Galvanized, Japanned & Enameled Sheet Iron), 1314-1790 St. Paul av, Milwaukee, Wis. St. Paul av, Milwaukee, Wis.
See adv index at end of book
Iron City Sanitary Mfg. Co., Oliver bldg, Pittsburgh, Pa.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Lisk Mfg. Co. (Ltd.) ("Lisk" Anti-Rust), Canandaigua, N. Y.
Monument Pottery Co., Trenton, N. J.
Mott J. L. Iron Works, Trenton, N. J.
Nason Mfg. Co., 71 Fulton, New York
See adv index at end of book
National Enameling & Stamping Co., 411 5th av, New York
Standard Sanitary Pottery Co., Elizabeth, N. J.
Trenton Fire Clay & Porcelain Co., Trenton, N. J.
Trenton Potteries Co., Trenton, N. J.
Wheeling Sanitary Mfg. Co., Wheeling, W. Va.

636— Bath Tubs (Porcelain)

Crane Enamelware Co., 14th & Chestnut, Chattanooga, Tenn.
Fords Porcelain Works, Perth Amboy, N. J.
General Ceramics Co. ("Phoenix"), 50 Church, New York
Heap Wm. & Sons, Grand Haven, Mich.
Hydraulic Specialty Co., 427H Walnut Phila., Pa.
Monument Pottery Co., Trenton, N. J.
Mott J. L. Iron Works, Trenton, N. J.
Nason Mfg. Co., 71 Fulton, New York
See adv index at end of book
Sanitas Mfg Co. ("Monarch," "Marshall," "Underwood"), 105 Washington, Boston, Mass.
Trenton Potteries Co. Trenton, N. J.
Wheeling Sanitary Mfg. Co., Wheeling, W. Va.

637—Bath Tubs (Sheet Steel)

Butler Mfg. Co., 1228 Eastern av, Kansas City, Mo.
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Walker Mfg. & Supply Co., Shelby & Woodbridge, Detroit, Mich.

Bath Tubs (Slate)

See Laundry Tubs, Slate

638— Bath Tubs (Tin)

Blanke W. F. Can & Mfg. Co., 116 Pine, St. Louis, Mo.
Central Stamping Co., 206 B'way, New York
Dover Stamping & Mfg. Co. ("Enameled White Inside"), Cambridge, Mass.
McAleer E. J. & Co., 1422 N 8th, Phila., Pa.
National Enameling & Stamping Co., 411 5th av, New York

639— Bathing Suit Mfrs.

Alberta Knitting Mills, 22nd & Lehigh, Phila., Pa.
American Hosiery Co., New Britain, Conn.
American Knitting Co., Honesdale, Pa.
American Knitting Co. (Wool & Worsted), Waltham, Mass.
American Knitting Mills, Central Tr. bldg, Phila., Pa.
Anchor Knitting Mills, Cohoes, N. Y.
Berwin Knitting Mills, 220 Ashford, Brooklyn, N. Y.
Brown Knitting Co., Warsaw, N. Y.
Canasawacta Knitting Co., Sherburne, N. Y.
Carlton Mills Co., Coral & Adams, Phila, Pa.
Chapman Knitting Mills, 788 McLean av, New York
Crescent Company, 49 E. 21st, New York
Crossingham Knitting Mills, 243 Ashmead, Gtn, Phila., Pa.
Elboeuf Knitting Co., Utica, N. Y.
European Knitting Mills, 36 Stagg, Brooklyn, N. Y.
Gantner & Mattern Co., Grant av & Post, San Francisco, Cal.
Gotham Knitting Mills, 11 E. 26th st, New York
Hutton Mfg. Co., 315 Arch, Phila., Pa.
Hygienic Fleeced Underwear Co., 2415 Howard, Phila, Pa.
Ideal Knitting Mills, 985 Myrtle av., Brooklyn, N. Y.
Illinois Knitting Mills, 640 B'way, Brooklyn, N. Y.
Jantzen Knitting Mills ("National), Sandy blvd & E. 20th, Portland, Ore.
Levin Wm., 204 Canal, New York
Levine & Co., 140 Junius, Brooklyn, N. Y.
Long Island Knitting Mills Co., 335 Throop av, Brooklyn, N. Y.
Milbury Atlantis Mfg. Co., 114 5th av, New York
N. Y. Knitting Mills, 310 6th av, New York
Newark Knitting Works, 730 S. 13th, Newark, N. J.
Noon E. & Son, 4019 Gtn av, Phila., Pa.
Novelty Knitting Co., Woonsocket, R. I.
Ocean Bathing Suit Co., 116 W 23rd, New York
Passaic Knitting Works, Garfield, N. J.
Pfister J. J. Knitting Co., P. O. Sta. A., Berkeley, Cal.
Progressive Knitting Works, 1714 Atlantic av, Brooklyn, N. Y.
Salt Lake Knitting Works, Salt Lake City, Utah
Saxony Knitting Co., 2000 5th av, Seattle, Wash.
Spicer John, 84 Woodbine, Brooklyn, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.
Starrels, Morris & Co., 2122 E. Arizona, Phila., Pa.
Suffolk Knitting Co., East Boston, Mass.
Sunset Knitting Co., 1212 Market, San Francisco, Cal.
Thurman Mfg. Co., 427 Ashmead, Phila., Pa.
Treinis Bros., 32 33d st., Brooklyn, N. Y.
Tri-Tex Knitting Mills ("Thi-Tex" & "Bear Brand"), 121 S Market, Chicago, Ill.
Vassar Knitting Works, Bay City, Mich.
Webber, G. F. (Hand Knit), 1404H Gratiot, Detroit, Mich.
West Branch Knitting Co., Milton, Pa.
Wilson, Thos E., 727 Sangamon, Chicago, Ill.
Wye Geo. E. Co., Needham, Mass.
Wye Wm. H. & Co., Needham, Mass.

640—Baths (Blotter or Copying Cloth)

Adams Mfg. Co., 86 E. Plumstead, Phila., Pa.
Asbestos Copying Bath Co., 26 Barclay, New York
Cincinnati Tool Co., Main & Waverly av, Cincinnati, Ohio
Colonial Office Appliance Co., 98 Park pl, New York
Eureka Blotter Bath Co. ("Eureka"), 3732 S. Wallace, Chicago, Ill.
Hill Independent Mfg. Co., High & Pa. R. R., Phila., Pa.
Jean C. W. Co., 116 Nassau, New York
Spurgin Mfg. Co., 7011 Vincennes av, Chicago, Ill.

641— Baths (Electric Light)

Burdick Cabinet Co., 614 S. Ashland, Chicago, Ill.
Edmands Walter S., 27 Pearl, Boston, Mass.
Sanitarium Equipment Co., Battle Creek, Mich.

642—Baths (Needle & Shower)

American Brass & Copper Co., 138 Lafayette, New York
Boesch Lamp Co., 962 Mission, San Francisco, Cal.
Boekel Wm. & Co., 518 Vine, Phila., Pa.
Central Specialty Mfg. Co., 404 S. Kolmar av., Chicago, Ill.
Clow Jas. B. & Sons, Franklin & Harrison, Chicago, Ill.
Crane Co. ("Asylum," "Baby," "Calida," "Carlton," "Chandos," "Coronet," "Davenport," "Empress," "Latona," "Doric," "Empress," "Medio," "New Sinton," "New Undine," "Recess," "Venus," "Verna," "Wallin," "Winston," "Mondus," "Labrum," "Linova," "Linovus," "Situs," "Unio"), 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Dalton-Ingersoll Mfg. Co., 365 Atlantic av, Boston, Mass.
Don-a-Stone Composition Co., 706 N Coronado, Los Angeles, Cal.
Douglas Jno. Co., Carthage, Cincinnati, O.
Edwardsville Brass Co., Edwardsville, Ill.
Eichman J. C. Mfg. Co., Bush & Wicomico, Baltimore, Md.
Federal-Huber Co., 234 N Halsted, Chicago, Ill.
Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
Hoffmann & Billings Mfg. Co. ("Niedecken" Metallic Stall), 100 2nd, Milwaukee, Wis.
McCambridge Co., 315 N. 20th, Phila., Pa.
McElraev & Hauck Co. (Enameled Iron & Solid Porcelain Nickel Plated Shower), 440 B'way, Brooklyn, N. Y.
Meyer-Sniffen Co., 11 W. 48th, New York
Milwaukee Flush Valve Co., 111 Reservoir, Milwaukee, Wis.
Mott J. L. Iron Works, Trenton, N. J.
Nason Mfg. Co., 71 Fulton, New York.
See adv index at end of book
Nelson N. O. Mfg. Co., 10th & Chestnut, St. Louis, Mo.
Peck Bros. & Co., New Haven, Conn.
Petrium Sanitary Sink Co. ("Germanstone"), 1435H 5th, Berkeley, Cal.
Rundle-Spence Mfg. Co., 63 2nd, Milwaukee, Wis.
Sanitas Mfg Co ("Woolworth," "Fairfield," "Trombone," "Brockton," "Rain," "Royal," "Tubular," Shower only, 105 Washington, Boston, Mass.
Sani-White Products Co., Santa Clara, Cal.
Speakman Co., Wilmington, Del.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Street & Kent Mfg. Co., 549 Fulton, Chicago, Ill.
Structural Slate Co. (The) (Slate Stalls Only), Pen Argyl, Pa.
See adv index at end of book
Structural Stone Co., Hubbard, Ohio
Wolff Mfg. Co. (Shower Only), 255 N Hoyne av, Chicago, Ill.

643—Baths (Plunge & Shower, for Ships)

Dalton-Ingersoll Mfg. Co., 365 Atlantic av, Boston, Mass.

644—Baths (Portable Shower)

Cleveland Blow Pipe & Mfg. Co., 6950 Kinsman rd, Cleveland, O.
Columbia Brass Works, 1301 W. Division, Chicago, Ill.
Crane Co., 836 S. Michigan av., Chicago, Ill. *See adv index at end of book*
Edwardsville Brass Co., Edwardsville, Ill.
Elgin Brass Co., 207 Pearl, New York
Eustis J. P. Mfg. Co. ("Brass Crafters"), Cambridge, Mass.
Nason Mfg. Co., 71 Fulton, New York.
See adv index at end of book
Speakman Co., Wilmington, Del.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Weiskittel A. & Son Co., 12th & Lombard, Baltimore, Md.
Wolverine Brass Works, Grand Rapids, Mich.

644a—Baths—Steam & Water (Monel Metal)

INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Sholes Inc., 186 Lafayette, New York

645— Baths (Tinning)

Hones Chas. A. Inc. ("Buzzer"), Baldwin, N. Y.
Sperry D. R. & Co., Batavia, Ill.

646— Bats (Baseball)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Brinser E. C. Sons ("Richmond"), Richmond, Va.
Dickinson, C. W. Co., Ypsilanti, Mich.
ESTES E. B. & SONS, 364 5th av, New York. *See adv index at end of book*
Goldsmith's P. Sons, John Findlay & Charlotte, Cincinnati, O.
Granberg Emil, St. Louis, Mo.
Hickson-Rogers Mfg. Co., Paragould, Ark.
Hillerich & Bradsley Co. ("Louisville Slugger"), Louisville, Ky.
Jarvis W. B. Co. ("Ty Cobb"), Grand Rapids, Mich.
McLaughlin, Bundy & Sinsbaugh, 545 S Spring, Los Angeles, Cal.
Peach J. A. ("Peach"), Gloversville, N. Y.
Prouty C. & Co., Eldred, Pa.
Rademaker H. & Sons, Grand Rapids, Mich.

(Continued on following page)

Bats (Baseball)—Continued

Saginaw Wood Products Co., Gaylord, Mich
Spalding A. G. & Bros., 105 Nassau, New York
Stall & Dean Mfg. Co. ("Stall & Dean"), Brockton, Mass.
Tryon Edw. K. Co. ("Old Hickory"), 817 Arch, Philadelphia, Pa.
Winchester-Simmons Co., 9th & Spruce, St. Louis, Mo.
Wright & Ditson, 344 Washington, Boston, Mass.
Zimmerman J. N., Owosso, Mich.

647— Battens (Metallic)

Metallic Batten Co., Owensville, Ind.
Schranger & Johnson, Atlantic, Ia.
Wheeling Corrugating Co. (galvanizd), Wheeling, W. Va.

Batteries (Automobile)

See Batteries, Dry; also Batteries, Storage

648— Batteries (Blasting)

See also Blasting Fuse, Caps, Etc.

California Cap Co., 1540H San Pablo av, Oakland, Cal.
Carbon Products Co., Lancaster, Ohio
Grasselli Powder Co., Guardian bldg, Cleveland, O.
Hercules Powder Co. (Electric), Wilmington, Del.
National Carbon Co. ("Hercules Red Label" "Columbia Ignitor"), Thompson av & Orton, Long Island City, N. Y.

Batteries (Closed Circuit)

See Batteries, Open & Closed Circuit

649— Batteries (Diffusion)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Dyer Co., 2031 Euclid av, Cleveland, O.
Hassell Iron Works Co., Colorado Springs, Colo.
Kilby Mfg. Co., 4623 Lakeside av, Cleveland, O.
Krajewski-Pesant Mfg. Corp., 227 Fulton, New York
Pusey & Jones (For Sugar & Other Extracts), H Poplar, Wilmington, Del
Stearns-Roger Mfg. Co., 1720 California, Denver, Colo.
Swenson Evaporator Co. (Circular), 53 W Jackson blvd, Chicago, Ill.

650— Batteries (Dry)

Allen Machine Works, Miamisburg, O.
American Elec. Battery Wks., 350 B'way, New York
Badger Gas & Gasoline Engine Co., Kansas City, Kan.
Bear State Battery & Equip. Co. ("Bear"), 1244 San Fernando rd, Los Angeles, Cal.
Bright Star Battery Co. ("Mar-Stun"), New York
Bunnell J. H. & Co. ("Jove," "Standard," "Mascot"), 32 Park pl, New York
Burgess Battery Co., Madison, Wis.
Burn-Boston Battery & Mfg. Wks., 80 Boylston, Boston, Mass.
Burnley Battery & Mfg. Co. ("Burnley"), North East, Pa.
Carbon Products Co., Lancaster, Ohio
Champion Carbon Mfg. Co., 305 1st Nat'l Bank bldg, Cincinnati, O.
Chloride of Silver Dry Cell Battery Co., 407 N Paca, Baltimore, Md.
Delta Electric Co., Marion, Ind.
Electric Goods Mfg. Co. ("Sammon," Semi-Dry), Canton, Mass.
Electric Lantern Coporation ("Dualite" & "Quick-Lite"), 962 Mission, San Francisco, Cal.
French Battery & Carbon Co. ("Ray-O-Spark" Multiple), Madison, Wis.
Gee Elec. Co. ("Reliable" Friction Tape), Wheeling, W. Va.
Harper Fred D. ("Masda" & "Secret Service" for Flashlights), Everett, Mass.
Hipwell Mfg. Co., 831 North av, Pittsburgh, Pa.
International Battery Co., 39 Wooster, New York
Interstate Electric Novelty Co. ("Franco"), 60 Tillary st, Brooklyn, N. Y.
Lincoln Electric Co. ("Enburo" "HiPo"), E. 38th & Kelley, Cleveland, Ohio
Mack Battery Co. ("Mac-Dry"), 7336 S. Alameda, Los Angeles, Cal.
Manhattan Electrical Supply Co. ("Red Seal" "Mesco," "Blue Seal," "Hi-Up."), 17 Park pl, New York
National Carbon Co. ("Columbia Red Label" "Ignitor" "Hercules" "U. S. Standard" "Globe" "Standby"), Thompson av & Orton, Long Island City, N. Y.
North Electric Co. ("Cannon Cracker"), American Trust bldg, Cleveland, O.
Novo Mfg. Co., 424 W. 33d, New York
Nutter Elec. Equipt. Co., 169 Mass. av, Boston, Mass.
Sibley Pitman Electrical Corp. ("Climax" Auto Cells for Automobile & Gas Engine Ignition), 190 6th av, New York
Stackpole Carbon Co. ("Autocrat," "Hello," "Wizard," "Sun"), St. Marys, Pa.
Stanley & Patterson ("Exeter"), 23 Murray, New York
Sunlight Elec. Specialty Co., 458 B'way, New York
Toledo Battery Co., Toledo, O.
Twin Dry Cell Battery Co., Superior Viaduct, Cleveland, O.
Union Battery Co. ("Power," "Nue"), Belleville, N. J.
Usona Mfg. Co., 103 E. 125th, New York
Wappler Electric Co., 184 Harris av, Long Island City, N. Y.
Waterbury Battery Co., Waterbury, Conn.
Wesco Supply Co. ("Red Shield"), 7th & Clark av, St. Louis, Mo.
Western Dry Battery Co. ("Bear" & "Bull Dog"), 2501 15th, Seattle, Wash.
Western Electric Co. ("Blue Bell," "Red Label"), 463 West, New York

650a—Batteries (Dry Cell Blasting)

Carbon Products Co., Lancaster, Ohio
Giant Powder Co. Cons., San Francisco, Cal.
Winchester Repeating Arms Co., 275 Winchester, New Haven, Conn.

650b— Batteries (Flashlight)

Carbon Products Co., Lancaster, Ohio
Delta Electric Co., Marion, Ind.
Diamond Electric Specialties Corp. ("Diamond"), 101 S. Orange, Newark, N. J.
French Battery & Carbon Co. ("Ray-o-lite"), Madison, Wis.
Harper Fredk. ("Secret Service") Everett, Mass.
Hipwell Mfg. Co., 831 N. W av, Pittsburgh, Pa.
Interstate Elec. Novelty Co., 60 Tillary st, Brooklyn, N. Y.
National Carbon Co., Inc. ("American," "Eveready"), Thompson av & Orton, Long Island City, N. Y.
Puckett Paul R. Co., P. O. Box 1493, Atlanta, Ga.
Stuart Products Corp., 633 Washington, Chicago, Ill.
Western Electric Novelty Co., 1258 E 6th, Los Angeles, Cal.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

651— Batteries (Ignition)

See also Igniters, Gas & Gasoline Engines

Akar Ignition Co. ("Akar"), 149 W. Berkeley, Phila., Pa.
Carbon Products Co., Lancaster, Ohio.
French Battery & Carbon Co., Madison, Wis.
Hobbs Battery Co., 2019 Bay, Los Angeles, Cal.
Mack Battery Co. ("Master"), 7336 S. Alameda, Los Angeles, Cal.
National Carbon Co. ("Columbia Ignitor," "Columbia Multiple," "U. S. Ignitor," "Columbia Hot Shot"), Thompson av & Orton, Long Island City, N. Y.
Sevison Electric Co., Elkhart, Ind.
United States Light & Heat Corp. ("U-S-L"), Niagara Falls, N. Y.
Universal Battery Co., 3410 S La Salle, Chicago, Ill.

652— Batteries (Medical)

And Electro Medical Apparatus

Bunnell J. H. & Co. ("No.-4-D-D," "No. 6," "Auto Kure"), 32 Park pl, New York
Chloride of Silver Dry Cell Battery Co., 407 N Paca, Baltimore, Md.
International Instrument Co., Cambridge, Mass.
Kendrick-Davis Co. ("K-D"), Lebanon, N. H.
Knapp Elec. & Novelty Co. ("Verilife," "Electrophits"), 130 W. 42nd, New York
Manhattan Electrical Supply Co. ("Home," "Apollo," "Household," "Manhattan," also Attachments), 17 Park pl, New York
Menominee Elec. Mfg. Co., Menominee, Mich.
Meyer Wm. Co., 1644 Girard, Chicago, Ill.
Ostrander W. R. & Co., 371 B'way, New York
Pierson-Wilcox Electric Co., 223 S 6th, Minneapolis, Minn.
Pignolet Instrument Co., 114 Liberty, New York
Victor Elec. Corp., 236 S Robey, Chicago, Ill.
Waite & Bartlett Mfg., 53 Jackson av, Long Island City, N. Y.
Wappler Elec. Co., 187 Harris av, Long Island City, N. Y.

653—Batteries (Open & Closed Circuit)

Open & Closed Circuit Wet Batteries

Bunnell J. H. & Co. ("Microphone," "Carbon Cylinder"), 32 Park pl, New York
Burn-Boston Battery & Mfg. Wks., 80 Boylston, Boston, Mass.
Clark & Mills Elec. Co. ("Excello"), Cambridge Mass.
Edison Thomas A. ("Esco," Closed), Orange, N. J.
Electric Goods Mfg. Co. ("Samson," "Nomas"), Canton, Mass.
Enterprise Electric Supply Co. ("Franklin"), Latrobe, Pa.
Mack Batteryy Co. ("Master"), 7336 S. Alameda, Los Angeles, Cal.
Manhattan Electrical Supply Co., 17 Park pl, New York
National Carbon Co. ("Columbia"), Thompson av & Orton, Long Island City, N. Y.
Railroad Accessories Corp. (Primary), 48 Church, New York
Railroad Supply Co., 203 S Dearborn, Chicago, Ill.
Rhode Island Telephone & Electric Co., 55 Pine, Providence, R. I.
Samson Electric Co. ("Samson"), 237 Washington, Canton, Mass.
Waterbury Battery Co. ("Waterbury Separate Cylinder," "Waterbury Unit Cylinder," "Gordon Primary," "Schoenmehl"), Waterbury, Conn.
Western Electric Co., 463 West, New York
White S. S. Dental Mfg. Co. ("Partz"), 211 S. 12th, Phila., Pa.

653a—Batteries (Radio "A")

Am. Radio & Research Corp., 203 College, Medford Hillside, Mass.
Atherton Storage Battery Co. ("Atherton"), Macomb, Ill.
Burgess Battery Co., Madison Wis.
Chicago Radio Laboratories ("Zenith"), 332 S. Michigan av, Chicago, Ill.
Clapp Easthan Co., 139 Main, Cambridge, Mass.
Electric Storage Battery Co., 19th & Allegheny av, Phila., Pa.
Edison Storage Battery Co., Orange, N. J.
Englert Mfg. Co. ("Dragon"), 22nd & Carson, Pittsburgh, Pa.
Freed-Eisemann Radio Corp. ("F-E"), Sperry bldg, Brooklyn, N. Y.
French Battery & Carbon Co., Madison, Wis.
General Battery & Supply Co. "Big-Six"), 80 E. Jackson blvd., Chicago, Ill.
General Lead Battery Co., 4 Lister av, Newark, N. J.
Gould Storage Battery Co. ("Gould"), 30 E. 42nd, New York
Hobbs Battery Co., 2019 Bay, Los Angeles, Cal.
Kimley Elec. Co. ("Kirco"), 290 Windslow av, Buffalo, N. Y.
Marko Storage Battery Co. ("Marko"), 102 Jefferson av, Brooklyn, N. Y.
Multiple Storage Battery Corp. ("Radiobat"), 555 W. 52nd, New York
National Carbon Co., Inc. ("Eveready" Storage), Thompson av & Orton, Long Island City, N. Y.
Pacent Elec. Co., 22 Park pl., New York
Phila. Storage Battery Co., Ontario & C, Phila., Pa.
Precision Equipment Co., B. & O. R. R. & Blue Rock, N. S., Cincinnati, Ohio
Prest-O-Lite Storage Battery Co., Speedway, Indianapolis, Ind.
Radio Storage Battery Co. (Radio), 1228 Folsom, San Francisco, Cal.
Ship Owners Radio Service (Dirs), 80 Washington, New York
Signal Elec. Mfg. Co., Menominee, Mich.
Standard Battery Mfg. Co., Fort Worth, Tex.
Tufts W. & G., 336 Newbury, Boston, Mass.
U. S. Light & Heat Corp., Niagara Falls, N. Y.
U. S. Storage Battery Corp., Far Rockaway, Long Island
Vesta Storage Battery Corp., 2100 Indiana av, Chicago, Ill.
Western Elec. Co., 463 West, New York
Westinghouse Elec. & Mfg. Co. (Storage batteries), E. Pittsburgh, Pa.
See adv index at end of book
Westinghouse Union Battery Co. (Storage), Swissvale, Pa.
Willard Storage Battery Corp., E. 131st & St. Clair, Cleveland, Ohio
Witherbee Storage Battery Co. ("Witherbee"), 234 W. 55th, New York

653b— Batteries (Radio "B" Dry and Storage)

Am. Radio & Research Corp., 203 College av, Medford Hillside, Mass.
Bright Star Battery Co. ("Bright Star"), New York
Burgess Battery Co., Madison, Wis.
Clapp-Eastham Co., 139 Main, Cambridge, Mass.
Edison Storage Battery Co., Orange, N. J.
Enco Electrical Novelty Co. ("Enco"), 603 W. 130th, New York
Freed-Eisemann Radio Corp. ("F-E"), Sperry bldg, Brooklyn, N. Y.
French Battery & Carbon Co., Madison, Wis.
General Battery & Supply Co. ("Biesman B"), 80 E. Jackson blvd., Chicago, Ill.
Grebe A. H. & Co., Inc. (Storage), 70 Van Wyck blvd, Jamaica, N. Y.
Hipwell N. S. Mfg. Co. ("Hipco" dry), 831 W. North av, Pittsburgh, Pa.
Jackson Battery Co. ("Jaxon"), 1124 Jackson blvd., Chicago, Ill.
McTighe Battery Co. (Storage), Wilkinsburg, Pa.
Marko P. M. & Co. ("Marko"), 1402 Atlantic av, Brooklyn, N. Y.
Multiple Storage Battery Corp. (Storage), 555 W. 52nd, New York
National Carbon Co. ("Eveready" Dry), Thompson av, Long Island City, N. Y.
National Electric Novelty Co. ("National"), 407 Broome, New York
Novo Mfg. Co. ("Novo"), 424 W. 33rd, New York

Pacent Elec. Co., ("Standard" Dry), 22 Park pl, New York
Phila. Storage Battery Co., Ontario & C, Phila., Pa.
Radio Storage Battery Co. (Radio), 1228 Folsom, San Francisco, Cal.
Ship Owners Radio Service Co. ("Sorsinc" Dirs), 80 Washington, New York
Twin Dry Cell Battery Co. ("Twin" dry), 11400 Madison av, Cleveland, O.
Vesta Battery Corp., 2100 Indiana av, Chicago, Ill.
Western Electric Co., 463 West, New York
Western Electric Novelty Co., 1258 E 6th, Los Angeles, Cal.
Westinghouse Elec. & Mfg. Co. (Dry), E. Pittsburgh, Pa.
See adv index at end of book
Westinghouse Union Battery Co. (Storage), Swissvale, Pa.

Batteries (Stamp)

See Mills, Stamp

654— Batteries (Storage)

Acme Storage Battery Corp., Poughkeepsie, N. Y.
Am. Battery Co. ("American"), 2055 N. Racine av, Chicago, Ill.
American Storage Battery Co. ("Eckstromer"), Albro, Boston, Mass.
Atlas Electric Storage Battery Co., Greenville, Mich.
Bear State Battery & Equipt. Co. ("Bear"), 1244 San Fernando rd, Los Angeles, Cal.
Bison Storage Battery Co., 24 E Ferry, Buffalo, N. Y.
Chicago Railway Signal & Supply Co., 122 S. Michigan av, Chicago, Ill.
Cincinnati Storage Battery Co., Moormann & Madison rd, Cincinnati, O.
Cole Storage Battery Co. ("Cole"), 2433 Indiana av, Chicago, Ill.
Cooper Storage Battery Mfg. Co. ("Cooper"), 2514 Reading, Cincinnati, O.
Culver Stearns Mfg. Co., 53 Grafton, Worcester, Mass.
Dayton Electrical Mfg. Co. ("Hubler Dayton"), Dayton, O.
Edison Storage Battery Co. ("Edison"), Orange, N. J.
Electric Storage Battery Co. ("Exide," "Chloride"), 19th & Allegheny av, Phila., Pa.
Electric Storage Supply Co., Somerville, Mass.
Electric Supply Co., 819 Prospect, Cleveland, O.
Fostoria Battery Co., Fostoria, O.
Fowler Lamp & Mfg. Co. ("Fowler" Motor Cars & Boats), 59 E 24th, Chicago, Ill.
General Lead Batteries Co., 4 Lister av, Newark, N. J.
General Storage Battery Co., 2005 Locust, St. Louis, Mo.
Globe Elec. Co., 28 Keefe av, Milwaukee, Wis.
Gould Storage Battery Co., 30 E 42nd, New York
Heissler Storage Battery Co., 2506 Cottage Grove, Chicago, Ill.
Hewitt F. L. ("D-G"), 221 N. El Dorado, Stockton, Cal.
Hinsdill Electric Co. ("Lincoln"), 225H River, Troy, N. Y.
Hobbs Battery Co., 2019 Bay, Los Angeles, Cal.
Hoosier Storage Battery Co. ("Fire-Fly," "Hobo"), 414 Locust, Evansville, Ind.
Jelly-Electrolyte Battery Co. ("J-E"), 162 W. 56th, New York
Lancaster Iron Works, Lancaster, Pa.
Lyons Storage Battery Co. Inc., 2525 N. Broad, Philadelphia, Pa.
McCauly Storage Battery Co. ("Kremlo"), 1060 St. Clair, Cleveland, O.
MacRae Hector C. ("Champion"), 316 St. Paul, Baltimore, Md.
Manhattan Electrical Supply Co., 17 Park pl, New York
Mathews Bros., 1661 W. Washington, Los Angeles, Cal.
Meder-Staudt Co., 234 W. 55th, New York
Mentzer J. P., 2210 S Park av, Chicago, Ill.
Michigan Storage Battery Co., 2680 Larned, E. Detroit, Mich.
Miller Storage Battery Co., Toledo, O.
Milwaukee Auto Specialty Co. ("Victor," "Masco," "Rodiuna"), 711 Chestnut, Milwaukee, Wis.
Miniature Storage Battery Co., Niagara Falls, N. Y.
Multiple Storage Battery Co., 350 Madison av, New York
National Carbon Co. Inc. ("Columbia," "Eveready"), Thompson av & Orton, Long Island City, N. Y.
Pacific Electric Clock Co. (Clock & Signal Systems), 86 3rd, San Francisco, Cal.
Permalife Storage Battery Co. ("Permalife"), Poughkeepsie, N. Y.
Phila. Storage Battery Co. ("Diamond Grid" for Commercial & Pleasure Vehicles), Ontario & C, Phila., Pa.
Phoenix Electric Co., 133 W Washington, Chicago, Ill.
Premier Electric Co., 1123 S. Wabash av, Chicago, Ill.
PREST-O-LITE CO. (For Autos, Radio, Motor Boats, Farm Lighting & Railway Signals), 30 E. 42nd, New York
See adv index at end of book
Radio Storage Battery Co. ("Radio"), 1228 Folsom, San Francisco, Cal.
Ray Battery Co. ("Ray"), 35 N. Huron, Ypsilanti, Mich.
Reynolds & Co. (Sterling, Lighting, Ignition & Tail Light), Real Estate Trust bldg, Phila., Pa.
Rite Battery Works ("Rite"), 1152 E. 12th, Oakland, Cal.
Salom Electric Storage Battery Co., Niagara Falls, N. Y.
Schug Elec. Mfg. Co., 252 Larned, Detroit, Mich.
Stewart Storage Battery Co. ("Stewart"), Marshfield, Wis.
Storage Battery Supply Co. ("Reliance," "Reliable," "Hudson Fulton," "Hudson Fulton, Jr."), 239 E 27th, New York
United States Light & Heat Corp. ("U-S-L"), Niagara Falls, N. Y.
Universal Battery Co., 3410 S La Salle, Chicago, Ill.
Vesta Storage Battery Co., 2100 Indiana av, Chicago, Ill.
Volkcar Storage Battery Co., 220 E 25th, Chicago, Ill.
Weber Battery Co., 3332 W. Jackson blvd, Chicago, Ill.
Western Battery Mfrs., Inc., 138 W. 16th, Los Angeles, Cal.
White City Electric Co., 14 N Franklin, Chicago, Ill.
Willard Storage Battery Co. ("Willard," E. 131st & St. Clair, Cleveland, O.
Witherbee Storage Battery Co., Inc., 234 W. 55th, New York

654a— Batteries (Wet)

Edison Thos. A., Inc., Bloomfield, N. J.
Mack Battery Co. ("Master"), 7336 S. Alameda, Los Angeles, Cal.
Manhattan Electrical Supply Co., 17 Park pl, New York
National Carbon Co., Inc. ("Eveready"), Thompson av & Orton, Long Island City, N. Y.
Samson Electric Co. ("Samson"), 237 Washington, Canton, Mass.
Waterbury Battery Co. ("Waterbury Track"), Waterbury, Conn.

655— Battery Accessories

Aetna Rubber Co. (Covers & Vent Caps), 815 E. 79th, Cleveland, Ohio
Battery Specialty Co., 578 Bryant, San Francisco, Cal.
Bear State Battery & Equipt. Co., 1244 San Fernando rd, Los Angeles, Cal.
Beehler Steel Products Co., 1449 N 13th, St. Louis, Mo.
See adv index at end of book
Heinze John O. Co. (Storage Battery Cell Testers), Springfield, O.
Hertner Electric & Mfg. Co., W 112th, Cleveland, O.
Hobbs Battery Co., 2019 Bay, Los Angeles, Cal.
Mathews Bros., 1663 W. Washington, Los Angeles, Cal.
National Acme Co., 7500 Stanton av, S. E., Cleveland, O.
National Carbon Co., Inc. ("Eveready" Storage), Thompson & Orton, Long Island City, N. Y.
Storage Battery Supply Co. ("Reliance," "Reliable," "Hudson Fulton," "Hudson Fulton, Jr.") (Of All Kinds), 239 E 27th, New York
Universal Battery Co. ("Universal" Repair Parts), 5410 S. La Salle, Chicago, Ill.
Whitaker Battery & Supply Co. ("Whitaker"), 2461 Charlotte, Kansas City, Mo.

Batting (Cotton)

See Cotton Batting

656— Batting (Jute)

Atlantic Jute Mills, Norfolk, Va.

657— Batting (Wool)

Am. Kersey Co., Litchfield, Minn.
LaCrosse Woolen Mills, LaCrosse, Wis.

658— Bauxite

American Bauxite Co., Oliver bldg, Pitts-Pa. & Bauxite, Ark.
Binswanger H. P. 7 W 16th, New York
Lavino E. J. & Co. (Imp.), Bullitt bldg, Phila., Pa.
Leavitt C. W. & Co. (Broker), 34H Church, New York
Republic Mining & Mfg. Co., Harrison bldg, Phila., Pa.

658a—Bayonets (Overhead Ground Wire)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

659— Beaders (Flue)

Stanley Rule & Level Co. (Atha Division), New Britain, Conn.

659a— Beads (Wood)

Bogert & Hopper, Inc., 57 Barclay, New York
See adv index at end of book
Estes E. B & Sons, 364 5th av, New York
See adv index at end of book
Nashua Spool & Bobbin Co., Haverhill National Bank bldg, Haverhill, Mass.
National Mill & Lbr. Co., 20 Market, San Francisco, Cal.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

659b— Beakers — Glass (Chemical Laboratory, etc.)

Corning Glass Works ("Pyrex"), Corning, N. Y.
Daigger A. & Co., 54 W. Kinzie, Chicago. Ill.
Friedrich & Dimmock, Millville, N. J.
Fry H. C. Glass Co., Rochester, Pa.
Guernsey Earthenware Co., Cambridge, O.
International Glass Co., Millville, N. J.
Macbeth-Evans Co., Pittsburgh, Pa.
Scientific Utilities Co., 18 E. 16th, New York

659c—Beakers (Monel Metal)

Boekel & Co. Wm., 516 Vine, Philadelphia, Pa.
Geuder, Paeschke & Frey Co., Milwaukee, Wis.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Koven & Bro. L. O., 154 Ogden av, Jersey City, N. J.
Magosy & Buscher, 232 Canal, New York
Sholes Inc., 186 Lafayette, New York

659d— Beakers (Porcelain)

Coors Porcelain Co., Dept. H, Golden, Colo.
Ohio Pottery Co., Zanesville, O.

660—Beam Heads (Pressed Steel)

Mossberg Frank Co., Attleboro, Mass.

661— Beams (Cultivator)

Bethlehem Steel Co., Bethlehem, Pa.
Illinois Steel Co., 208 S La Salle, Chicago.

662—Beams (Pressed Steel, with Steel Barrels)

American Pulley Co., 4200 Wissahickon av, Phila., Pa.
Carnegie Steel Co., Carnegie bldg., Pittsburgh, Pa.
Mossberg Frank Co. (For Narrow Fabric Looms, Non-Elastic & Elastic), Attleboro, Mass.

662a— Bearing Metal

See also Babbitt Metal

Sumet Corporation, 564 Ellicott sq, Buffalo, N. Y.
See adv index at end of book

Sumet
SUMET PRODUCTS
Bronze Bearing Metal
Sumet is a Copper-lead Alloy, Which Gives Longer Life in Every Bearing Service
SUMET CORPORATION
564 Ellicott Square, Buffalo, N. Y.

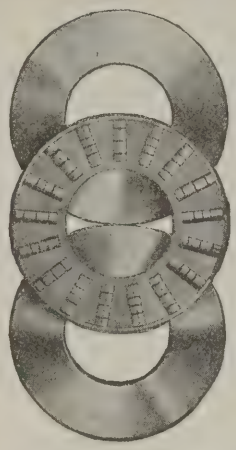
663— Bearing Parts (Roller)

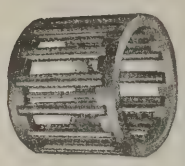
American Roller Bearing Co., 428 Mellwood av, Pittsburgh, Pa.
See adv index at end of book
Bond Foundry & Machine Co. (Bearings), Penn st, Manheim, Pa.
Norma Co. of America, Anable av, Long Island City
Railway Bearing Co., Inc., 541 Seymour, Syracuse, N. Y.

663a— Bearings (Aeroplane)

American Roller Bearing Co., 428 Mellwood av, Pittsburgh, Pa.
See adv index at end of book
Doehler Die-Casting Co. (Babbitt Lined Bronze), 9th & Court, Brooklyn, N. Y.
Fafnir Bearing Co. ("Fafnir" Ball), New Britain, Conn.
Franklin Die-Casting Corp., Gifford & Magnolia, Syracuse, N. Y.
See adv index at end of book
Gwilliam Co., 23 Flatbush av, Brooklyn, N. Y. *See adv index at end of book*
Hess Bright Mfg. Co. (Ball), 165 B'way, New York
Lumen Bearing Co., 200 Lathrop, Buffalo, N. Y. *See adv index at end of book*

(Continued on following page)




ROLLER THRUST BEARINGS
BALL THRUST BEARINGS
JOURNAL ROLLER BEARINGS
SPECIAL BEARINGS

½" SHAFT DIA. UP TO 12"

ONE—OR—ONE THOUSAND

THE GWILLIAM COMPANY

23 FLATBUSH AVE., BROOKLYN, NEW YORK

Bearings (Aeroplane)—Continued

Morris J. Leslie Co. ("Moroloy"), 1515 Mateo, Los Angeles, Cal.
NEW DEPARTURE MFG. CO. ("New Departure"), Bristol, Conn.
See adv index at end of book
Strom Ball Bearing Mfg. Co., 4569 Palmer, Chicago, Ill. *See adv index at end of book*
Sumet Corp., 564 Ellicott sq, Buffalo, N. Y.
See adv index at end of book

664— Bearings (Agate)

Bache Semon & Co. (Imp), 636 Greenwich, New York
Bracher Co. (For Jewelers' Scales), Belleville, N. J.
Glogau & Co., Great Lakes bldg., Chicago, Ill.

665—Bearings (Angular Contact)

STROM BALL BEARING MFG. CO., 4569 Palmer, Chicago, Ill.
See adv index at end of book

666— Bearings (Annular)

Auburn Ball Bearing Co., 26 Elizabeth, Rochester, N. Y.
Federal Bearings Co., Poughkeepsie, N. Y.
Gurney Ball Bearing Co., Jamestown, N. Y.
GWILLIAM CO., 23 Flatbush av, Brooklyn, N. Y. *See adv index at end of book*
Hess Bright Mfg. Co. ("Monarch"), 165 B'way, New York
Norma Co. of America, Anable av, Long Island City
Rockwell-Drake Co., Plainville, Conn.
S. K. F. Ball Bearing Co. ("S. K. F"), Hartford, Conn.
Schatz Mfg. Co., Poughkeepsie, N. Y.
STROM BALL BEARING MFG. CO., 4569 Palmer, Chicago, Ill.
See adv index at end of book

Bearings (Anti-Friction)

See Babbitt Metal; also Bearings, Various Kinds; also Brasses, Car & Engine

667—Bearings (Armature & Axle)

American Metal Bearing Co., 601 E. 3rd, Los Angeles, Cal.
American Roller Bearing Co., 428 Mellwood av, Pittsburgh, Pa.
See adv index at end of book
Atlas Brass Foundry Co., Columbus, O.
Columbia Machine Works & Malleable Iron Co. ("Columbia" With or Without Babbitt Lining, Base, Lead or Tin), Atlantic av & Chestnut, Brooklyn, N. Y.
Damascus Bronze Co. ("Damascus"), N. S. Pittsburgh, Pa.
Hess-Bright Mfg. Co. ("H. B.-D. W. F."), 165 Broadway, New York
Hyatt Roller Bearing Co., Harrison, N. J.
JOHNSON BRONZE CO., New Castle, Pa.
Lumen Bearing Co., 200 Lathrop, Buffalo, N. Y. *See adv index at end of book*
More-Jones, Brass & Metal Co. ("More-Jones, Tiger"), B'way & Dock, St. Louis, Mo.
Morris J. Leslie Co. ("Moroloy"), 1515 Mateo, Los Angeles, Cal.
Norma Co. of America, Anable av, Long Island City
Rollway Bearing Co., Inc., 541 Seymour, Syracuse, N. Y.
STROM BALL BEARING MFG. CO., 4569 Palmer, Chicago, Ill.
See adv index at end of book
Super-Refined Metal Co. ("Kelly Metal"), 315 West av, 33, Los Angeles, Cal.

667a— Bearings (Automobile, Die Cast)

FRANKLIN DIE-CASTING CORP., Gifford & Magnolia, Syracuse, N. Y
See adv index at end of book

667b—*Bearings (Automobile Crank Shaft)

Bunting Brass & Bronze Co., 738 Spencer Toledo. O. *See adv index at end of book*
FRANKLIN DIE CASTING CORP. (Die Cast), Gifford & Magnolia, Syracuse, N. Y. *See adv index at end of book*
MORRIS J. LESLIE CO. ("Moroloy Silver Nickel"), 1515 Mateo, Los Angeles, Cal.
Strom Ball Bearing Mfg. Co., 4569 Palmer, Chicago, Ill.
See adv index at end of book

667c—Bearings (Babbitt Lined)

Ajax Metal Co. ("Ajax"), 46 Richmond, Phila., Pa.
American Metal Bearing Co., 601 E 3rd, Los Angeles, Cal.
Bond Foundry & Machine Co., Penn st, Manheim, Pa.
Bunting Brass & Bronze Co., 738 Spencer, Toledo, O. *See adv index at end of book*
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Federal Bearing & Bushing Corp., 11031 Shoemaker, Detroit, Mich.
Franklin Die-Casting Corp., Gifford & Magnolia, Syracuse, N. Y.
See adv index at end of book
Hoyt Metal Co. ("Hoyt"), Boatmans Bank bldg, St. Louis, Mo.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Livermore Homer F. Inc., 85 Pearl, Boston, Mass.
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
MORRIS J. LESLIE CO. ("Moroloy Silver Nickel"), 1515 Mateo, Los Angeles, Cal.
Mount Vernon Die Casting Corp., Mt. Vernon, N. Y.
See adv index at end of book
National Motor Bearing Co., 690 Turk, San Francisco, Cal.
Peerless Metal Bearing Co., 289 San Fernando rd, Los Angeles, Cal.
Pioneer Motor Bearing Co., Eddy, at Van Ness av, San Francisco, Cal.
Ryerson Jos. T. & Son Inc., 2558 W. 16th, Chicago, Ill.
See adv index at end of book
Wigmore Jno & Sons Co. ("Velvet"), 401 E. 4th, Los Angeles, Cal.
Wood's T. B. Sons Co., Chambersburg, Pa.

668— Bearings (Ball)

(Names with * also manufacture in Monel Metal)

See also Balls, Steel; also Bearings, Roller

Acorn Bearing Co. ("Acorn"), New Britain, Conn.
Aetna Ball Bearing Mfg. Co., 2743 High, Chicago, Ill.
See adv index at end of book
Ahlberg Bearing Co. ("A B Co."), 317 E. 29th, Chicago, Ill.
American Ball Co. ("American"), 115 Clifford, Providence, R. I.
American Roller Bearing Co., 428 Mellwood av, Pittsburgh, Pa.
See adv index at end of book
Atlas Ball Co. (Radial & Thrust), N. America & Glenwood av, Phila, Pa.
Auburn Ball Bearing Co. (Annular & Special), 26 Elizabeth, Rochester, N. Y.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Ball & Roller Bearing Co., 22 Maple av, Danbury, Conn.
Bantam Ball Bearing Co., Bantam, Conn.
Bearings Co. of America, Lancaster, Pa.
*Beckley Perforating Co., Garwood, N. J.
Bond Chas. Co., 617-619 Arch, Phila., Pa.
Boston Gear Works ("Nice" Thrust Collar, etc.), Norfolk Downs, Quincy, Mass.
See adv index at end of book
Burgess & Norton Mfg. Co. (Motor Cycle, Side Car, Light Car), Geneva, Ill.
Chicago Pulley & Shafting Co., 40 S Clinton, Chicago, Ill.
Cific Ball Bearing Co., 415 W. Pico, Los Angeles, Cal.
*Cleveland Wire Cloth Co., Cleveland, O.
COLONIAL SUPPLY CO., 217 Water, Pittsburgh, Pa.
See adv index at end of book
Cotton States Belting & Supply Co., Atlanta, Ga.
Everhard Mfg. Co. (For Tire & Rubber Mfrs), 317 Schroyer av, S. W., Canton, Ohio
Ex-Cell-O Tool & Mfg. Co. ("Parker High Speed"), 1469 E. Grand blvd, Detroit, Mich.
FAFNIR BEARING CO. ("Fafnir"), New Britain, Conn.
Federal Bearings Co. ("Schatz Universal"), Poughkeepsie, N. Y.
Fisher Mfg. Co., East Liverpool, O.
G. A. Ball Bearing Co. ("G-A"), 3315 W. Harrison, Chicago, Ill.
Giberson E. D. & Co., Inc., 44 Rector, N. Y.
See adv index at end of book

BALL BEARINGS
Radial—Thrust—Magneto
ROLLER BEARINGS
Bearings designed to meet special requirements.
E. D. GIBERSON & COMPANY
Incorporated
44 Rector Street New York
Telephone: Bowling Green 2570

Glogau & Co., Great Lakes Bldg, Chicago, Ill.
Graham Roller Bearing Co., Coudersport, Pa.
Gurney Ball Bearing Co. ("Gurney," for Heavy Duty Service), Jamestown, N. Y.
GWILLIAM CO., 23 Flatbush av, Brooklyn, N. Y. *See adv index at end of book*
Harris & Reed, 1500 W 15th, Chicago, Ill
*Hendrick Mfg. Co., Carbondale, Pa.
Hess Bright Mfg. Co. ("H. B.-D. W. F." Radial & Thrust), 165 B'way, New York
Hill-Smith Metal Goods Co. ("H. S." for Automobiles), 82 Brookline av, Boston, Mass.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
Imperial Bearing Co. (Annular), 6635 E Forest, Detroit, Mich.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall st, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp., C. O., Southport, Conn.
JOHNSON BRONZE CO., New Castle, Pa.
Johnston & Sharp Mfg. Co. (Hollow Steel), Ottumwa, Ia.
Jones Ball Co. (Importers), Arlington Heights, Mass.
Langhaar Ball Bearing Co. ("Langhaar" Self Adjusting), 2nd, Aurora, Ind.
*Magosy & Buscher, 232 Canal, New York
Matthews H. A. Mfg. Co., Seymour, Conn.
*Munning & Co., A. P., Matawan, N. J.

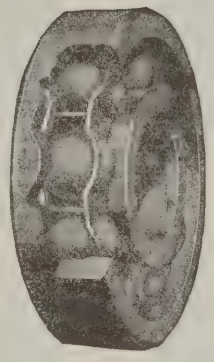
New Departure (ND) Ball Bearings



are standard equipment in over eighty per cent of American motor car models, as well as efficient eliminators of friction in many important products of machinery and machine tool manufacturers. Engineering literature and Consultation Service upon request.

THE NEW DEPARTURE MFG. COMPANY
Bristol, Conn.

Detroit Branch—3044 West Grand Blvd. Chicago Branch—122 So. Michigan Ave.
465



NEW DEPARTURE MFG. CO. ("New Departure"), Bristol, Conn.
See adv index at end of book
N. Y. Bearings Co., 311 W 59th, New York
Nice Ball Bearing Co., 30th & Nicetown, Phila., Pa.
Norma Co. of America, Anable av, Long Island City
O. & S. Bearing Co., 303 S. Artillery, Detroit, Mich.
R.-I.-V. Co. ("R.-I.-V." for Mechanical Purposes & All Rotating Parts), 250 W. 57th, New York
Reebe Ball Bearing Co., Inc., 210 W. 54th, New York
Royersford Foundry & Mach. Co., Royersford, Pa.
S. K. F. Ball Bearing Co. ("S. K. F."), Hartford, Conn.
Schatz Mfg. Co. ("Commercial" Annular Ball Bearings), Poughkeepsie, N. Y.
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co., John P., New Haven, Conn.
Standard Machinery Co., Providence, R. I.
Standard Steel & Bearings Inc. ("S. R. B." Annular), 50th & Lancaster av, Phila., Pa.
*Steel Products Mfg. Co., Cicero, Ill.
STROM BALL BEARING MFG. CO. ("Strom"), 4569 Palmer, Chicago, Ill.
See adv index at end of book
*Taylor Disc Co., Mansfield, O.
TORRINGTON CO. (THE) (Cup & Cone), Excelsior Plant, Torrington, Conn.
See adv index at end of book
Transmission Ball Bearing Co. ("Chapman"), 1050 Military rd, Buffalo, N. Y.
*Tyler Co., W. S., Cleveland, O.
Wallace Supplies Mfg. Co., 1312 Diversey pkway, Chicago, Ill.
Western Bearings Co. ("Western"), 3012 Calumet av, Chicago, Ill.
Worcester Pressed Steel Co. (Cups Only), 456 Park av, Worcester, Mass.
See adv index at end of book

669—Bearings (Bronze Metal)

Ajax Metal Co. ("Ajax"), 46 Richmond, Phila., Pa.
Allan A. & Son ("Allan" for Steel Mill Service), 6th & Bergen, Harrison, N. J.
Aluminum Castings Co. ("Lynux") 2210 Harvard av, Cleveland, O.
Am. Bearing Corp., 11th & Canal, Indianapolis, Ind.
American Bronze Corp. ("Non-Gran"), Berwyn, Pa.
American Crucible Furnace Co., Dept H, Elyria, Ohio.
Am. Crucible Products Co., Elyria, O.
Am. Injector Co., 1469 14th av, Detroit, Mich.
AM. MANGANESE BRONZE CO., 3501 Rhawn, Phila., Pa.
American Metal Bearing Co., 601 E. 3rd, Los Angeles, Cal.
Ashland Brass Foundry, Ashland, Ohio
Atlas Brass Foundry Co., ("Atlas"), 980 Park, Columbus, Ohio
Bound Brook Oil-Less Bearing Co. ("Bound Brook"), Bound Brook, N. J.
BRASS FOUNDRY CO., 700 McAdams, Peoria, Ill.
See adv index at end of book

Specify
Bearing HK Bronze
for
Difficult Bearings
Bushings and solid sticks from our patterns
Write for circular
BRASS FOUNDRY CO.
700 McAdams Street, Peoria, Illinois
Capacity 2½ million pounds

Bronze Metal Co. ("Vim"), 30 Church, New York
Buckeye Tempered Copper & Brass Co., Mansfield, O.
BUNTING BRASS & BRONZE CO. ("Bunting" Brass & Bronze), 733 Spencer, Toledo, O.
See adv index at end of book
Conklin T. E. Brass & Copper Co., 54-60 Lafayette, N. Y.
See adv index at end of book
Cramp, Wm. & Sons, Ship & Engine Bldg. Co. ("Cramp"), Beach & Ball, Philadelphia, Pa.
Damascus Bronze Co. ("Damascus" for Rolling Mills, Railroads & Electric Railways), N. S. Pittsburgh, Pa.
Dann Products Co., 1134 Euclid, Cleveland, O.
Doehler Die Casting Co., Crt. & 9th, Huntington, Brooklyn, N. Y.
Ellison Brass Mfg. Co., Jamestown, N. Y.
Elyria Brass & Bronze Fdry. Co., Walnut & B. & O. RR., Elyria, Ohio
Erie Bronze Co., 353 W. 19th, Erie, Pa.
Eureka Co., North East, Pa.
Everitt Co. (Phosphor Bronze), 267 Franklin, Boston, Mass.
See adv index at end of book
Frederick Co. ("Sabeco"), S. Water, Saginaw, Mich.
Fulton Iron Works Co., 1259 Delaware av, St. Louis, Mo.
General Aluminum & Brass Mfg. Co. ("Ring True" Back Babitt Lined), 2512 E. Grand blvd, Detroit, Mich.
Harper Thos., 204 Lafayette, New York
Harsch John Bronze & Foundry Co., Madison av, Cleveland, O.
Highton Wm. & Sons Co. (For Automobile, Motor Boat, etc), Nashua, N. H.
Hoyt Metal Co., Boatmans Bk. bldg, St. Louis, Mo.
Johnson Bronze Co., New Castle, Pa.
Kelmet Metals Co., 1520 Guardian bldg, Cleveland, Ohio
Keystone Bronze Co., 39th & A. V. R. R., Pittsburgh, Pa.
Kingwell Bros. California Brass Wks. ("King Bronze"), 444H Natoma, San Francisco, Cal.
Laclede Brass Wks., 307 Cedar, St. Louis, Mo.
Lawrenceville Bronze Co., Bessemer bldg, Pittsburgh, Pa.
Light Mfg. Co. & Foundry Co. ("Automobile"), Pottstown, Pa.
Livermore Homer F. Inc., 85 Pearl, Boston, Mass.
LUMEN BEARING CO., 200 Lathrop, Buffalo, N. Y. *See adv index at end of book*
Martin & Anson Co., 2226 Indiana av, Chicago, Ill.
Milwaukee Die Casting Co. (Bronze Shell, Babbitt Lined), 297 4th, Milwaukee, Wis.
More-Jones, Brass & Metal Co. (More-Jones, "Tiger"), B'way & Dock, St. Louis, Mo.
Morris J. Leslie Co. ("Moroloy"), 1515 Mateo, Los Angeles, Cal.
National Aluminum Co., Racine, Wis.
National Bronze & Aluminum Foundry Co., E. 88th & Laisy, Cleveland, Ohio
North American Smelting Co., 9th & Thompson, Phila., Pa.
Oregon Brass Works ("Densemore," "Templo," "Logbloc"), 73 N 2nd, Portland, Ore.
Pacific Metal Bearing Co., 129 Myrtle, San Francisco, Cal.

(Continued on following page)



Single-row, maximum type, radial bearing, 200-N, 300-N, 400-N Series.



Single-row deep-groove standard type, radial bearing, 200, 300, 400 Series.



Angular contact bearing, combination radial and thrust, 5200, 5300, 5400 Series.

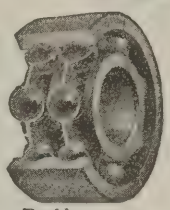


An Organization Built for Precision.

Scientific in Principle and Practice.



Double-row, maximum type, radial bearing, 1200-N, 1300-N, 1400-N Series.



Double-row, deep-groove, standard type, radial bearing, 1200, 1300, 1400 Series.

STROM ball bearings are made of chrome alloy ball bearing steel, specially heat-treated to insure strength, hardness, density, and elasticity; all types and sizes of radial (single and double row), thrust and angular contact; designed to operate under heavy loads and high speeds, and may be confidently accepted as incorporating every quality essential in a high-grade bearing.

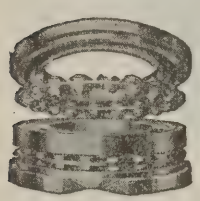
They are made to standard dimensions and as perfectly adapted for replacement as for new work—

"Wherever a Shaft Turns"

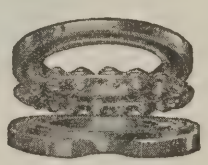
Strom Ball Bearing Mfg. Co., 4569 Palmer St., Chicago

Formerly U. S. Ball Bearing Mfg. Co.

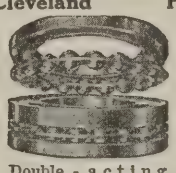
Cleveland Philadelphia Detroit Cincinnati San Francisco



Double-acting, self-aligning thrust bearing, leveling washers, 2100-U Series.



Single-acting, self-aligning thrust bearing, leveling washer, 1100-U Series.



Double-acting thrust bearing, flat seats (grooved races), 2100-F Series.



Single-acting thrust bearing, flat seats (grooved races), 1100-F Series.



Single-acting, self-aligning thrust bearing, 1100 Series.

Our Engineering staff of ball bearing experts is always at your service.

(2409)

Bearings (Bronze Metal)—Cont.

Pacific Metal Works ("Eclipse"), 153 1st, San Francisco, Cal.

Pioneer Motor Bearing Co., Eddy, at Van Ness av, San Francisco, Cal.

Pittsburgh White Metal Co., 3116 Penn av, Pittsburgh, Pa.

Pusey & Jones Co. (Brass), Poplar & Front, Wilmington, Del.

Ryder Brass Fdry Co., Bucyrus, O.

Ryerson Jos. T. & Son, Inc. (Back Babbitt Lined), 2558 W 16th, Chicago, Ill.
See adv index at end of book

Saturn Fdry. & Machine Co., Wheeling, W. Va.

Standard Motor Products Co. ("Master"), 63 Page, San Francisco, Cal.

Stewart Mfg. Corp., 4505 Fullerton av, Chicago, Ill.

Sumet Corp., 564 Ellicott sq, Buffalo, N. Y.
See adv index at end of book

Super-Refined Metals Corp. ("Kelmet"), 315 W av 33, Los Angeles, Cal.

Titanum Bronze Co. Inc., Niagara Falls, N. Y.

Topping Bros., 156 Varick st, New York
See adv index at end of book

SUMET
Bearing Metal
Cored and Solid Bars
Immediate Delivery
TOPPING BROTHERS
156 VARICK STREET, NEW YORK

Vanadium Metals Co., Vanadium bldg, Pittsburgh, Pa.

Wigmore John & Sons Co. ("Velvet"), 401 E. 4th, Los Angeles, Cal.

669a—*Bearings (Bunting Bronze)

BUNTING BRASS & BRONZE CO., 738 Spencer, Toledo, O.
See adv index at end of book

Bearings (Car Journal)

See Bearings, Journal

670— Bearings (Collar Oiling)

Hill Clutch Machine & Foundry Co. ("Hill"), W. 65th st., Cleveland, O.

Jeffrey Mfg. Co., 961 N. 4th, Columbus, O.
See adv index at end of book

Jones W. A. Foundry & Machine Co., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*

Weller Mfg. Co., 1856 N Kostner av, Chicago

Wood's T. B. Sons Co., Chambersburg, Pa.

671—Bearings (Combined Radial & Thrust)

American Roller Bearing Co., 428 Mellwood av, Pittsburgh, Pa.
See adv index at end of book

BUNTING BUSHING BEARINGS



Genuine Bunting Phosphor Bronze Bushings and Bearings completely machine finished, ready for assembly are carried constantly in stock in 300 different sizes at the Bunting factory and all Bunting Branches. They cost less, they are always ready, they fit every usual need. Write for Stock List R. Prompt service on special requirements. Pattern and tool equipment for over 10,000 different sizes and designs.

Piston Pin and Spring Bolt Bushings for replacement in all popular automotive vehicles. Cored and solid bars of Bunting Phosphor Bronze.



"They're Always In Stock"



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Toledo, Ohio

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245 West 54th St. Columbus 7528

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SAN FRANCISCO
198 2d St., cor Howard Douglas 6245

BOSTON
36 Oliver St. Main 8488

PHILADELPHIA, PA.
1330 Arch St. Spruce 5296

BOSTON GEAR WORKS ("Nice"), Norfolk Downes, Quincy, Mass.
See adv index at end of book
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Fafnir Bearing Co. ("Fafnir"), New Britain, Conn.
Gurney Ball Bearing Co., Jamestown, N. Y.
Hess Bright Mfg. Co. ("Hess Bright"), 165 B'way, New York
NEW DEPARTURE MFG. CO. ("New Departure"), Bristol, Conn.
See adv index at end of book
STROM BALL BEARING MFG. CO., 4569 Palmer, Chicago, Ill.
See adv index at end of book

672—Bearings (Common Flat Box)

Bond Foundry & Machine Co., Penn st, Manheim, Pa.
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Chain Belt Co., 746 Park, Milwaukee, Wis
See adv index at end of book
Cotton States Belting & Supply Co., Atlanta, Ga.
Jeffrey Mfg. Co., 961 N. Fourth, Columbus, Ohio
See adv index at end of book
Jones W. A. Foundry & Machine Co., 4442 W. Roosevelt rd, Chicago, Ill.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Wood's T. B. Sons Co., Chambersburg, Pa.

673— Bearings (Die Cast)

Am. Bearing Corp., 11th & Canal, Indianapolis, Ind.
Am. Crucible Products Co., Elyria, O.
American Metal Bearing Co., 601 E. 3rd, Los Angeles, Cal.
Doehler Die Casting Co., Court & 9th, Huntington, Brooklyn, N. Y.
Erie Bronze Co., 353 W. 19th, Erie, Pa.
Finished Die Castings Co., formerly Burnscroft Co., 2239 Herndon, Chicago, Ill.
FRANKLIN DIE-CASTING CORPORATION, Gifford & Magnolia, Syracuse, N. Y.
See adv index at end of book
Hoyt Metal Co., Boatmans Bk. bldg, St. Louis, Mo.
Legler-Eilerman Co., Dayton, O.
Light Mfg. & Foundry Co., Pottstown, Pa.
Lubricating Metal Co., 565 5th av., New York.
Milwaukee Die Casting Co., 297 4th, Milwaukee, Wis.
MORRIS J. LESLIE CO. ("Moroloy Silver Nickel"), 1515 Mateo, Los Angeles, Cal.
MT. VERNON DIE CASTING CORP., Mt. Vernon, N. Y.
See adv index at end of book
National Lead Co., 111 B'way, New York
National Motor Bearing Co., 690 Turk, San Francisco, Cal.
Pacific Metal Bearing Co., 129 Myrtle, San Francisco, Cal.
Peerless Metal Bearing Co., 289 San Fernando rd, Los Angeles, Cal.
PIONEER MOTOR BEARING CO., Eddy, at Van Ness av, San Francisco, Cal.
PRECISIONS CASTINGS CO. INC., Syracuse, N. Y.
Standard Motor Products Co. ("Master"), 63 Page, San Francisco, Cal.
Stewart Mfg. Co., 4505 Fullerton av, Chicago, Ill.
Wigmore Jno. & Sons Co. ("Velvet"), 401 E. 4th, Los Angeles, Cal.
Wing J. T. & Co., 19 Woodward av, Detroit, Mich.

674— Bearings (Drop Hanger)

Bond Foundry & Machine Co., Penn st, Manheim, Pa.
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Cotton States Belting & Supply Co., Atlanta, Ga.
Fafnir Bearing Co. ("Fafnir"), New Britain, Conn.
Jeffrey Mfg. Co., 961 N. 4th, Columbus, O.
See adv index at end of book
Jones W. A. Foundry & Machine Co., 4442 W. Roosevelt rd, Chicago, Ill.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Wood's T. B. Sons Co., Chambersburg, Pa.

675—Bearings (Electrical, Motor, Etc.)

Ajax Metal Co. ("Ajax"), 46 Richmond, Phila., Pa.
Arguto Oilless Bearing Co., 149 Berkley, Wayne Junc.,Phila., Pa.
Atlas Ball Co., N. America & Glenwood av, Phila, Pa.
Atlas Brass Foundry Co., The, Columbus, O.
Bantam Ball Bearing Co. (Ball), Bantam, Conn.
Bound Brook Oil-Less Bearing Co. "Bound Brook," "Nigrum," Oilless), Bound Brook, N. J.
Brady Brass Co. (For Street Railway, etc), 170 14th, Jersey City, N. J.
Bronze Metal Co. ("Vim"), 30 Church, New York
BUNTING BRASS & BRONZE CO. (Auto, Motorcycle, etc), 738 Spencer, Toledo, O.
See adv index at end of book
Carbon Brush Supply Co., Weightman bldg, 1524 Chestnut, Phila., Pa.
Columbia Machine Works & Malleable Iron Co. (For Armatures, etc), Atlantic av & Chestnut, Brooklyn, N. Y.
Damascus Bronze Co. ("Damascus"), N. S., Pittsburgh, Pa.
Dann Products Co., 1134 Euclid, Cleveland, Ohio
Erie Bronze Co., 353 W. 19th, Erie, Pa.
Fafnir Bearing Co. ("Fafnir"), New Britain, Conn.
Franklin Die Casting Corp., Gifford & Magnolia, Syracuse, N. Y.
See adv index at end of book
General Aluminum & Brass Mfg. Co. ("Ring True"), 2512 Grand blvd, Detroit, Mich.
Harper Thos., 204 Lafayette, New York
Hoyt Metal Co., Boatmans Bk. bldg, St. Louis, Mo.
Hyatt Roller Bearing Co., Harrison, N. J.
JOHNSON BRONZE CO., New Castle, Pa.
Kingwell Bros. California Brass Wks. ("King Bronze"), 444H Natoma, San Francisco, Cal.
LUMEN BEARING CO. ("Lumen," Bronze), 200 Lathrop, Buffalo, N. Y.
See adv index at end of book
Magnus Co. Inc., 111H B'way, New York
Mogul Metal Co., 535 Larned W., Detroit, Mich.
More-Jones, Brass & Metal Co. ("Artic," Electrical Motor, etc.), B'way & Dock, St. Louis, Mo.
Morris J. Leslie Co. ("Moroloy"), 1515 Mateo, Los Angeles, Cal.
Muzzy-Lyon Co. Ltd., 11031 Shoemaker, Detroit, Mich.
National Bronze & Aluminum Foundry Co., E. 88th & Laisy, Cleveland, Ohio
NEW DEPARTURE MFG. CO. ("New Departure"), Bristol, Conn.
See adv index at end of book
Norma Co. of America, Anable av, Long Island City
Phosphor Bronze Smelting Co. (Phosphor Bronze"), 2202 Washington av, Phila., Pa.
Reeves Paul S. & Co. (Brass, Bronze & Phosphor Bronze), 1415 Catherine, Phila., Pa.
Ridion Frank Co. ("Ridion," Bronze & Composition), 251A, Boston, Mass.
Riverside Metal Co. (Brass Bronze & Phosphor Bronze), Riverside, N. J.
Rollway Bearing Co., Inc., 541 Seymour, Syracuse, N. Y.
S. K. F. Ball Bearing Co. ("S. K. F."), Hartford, Conn
St. Louis Car Co. (Spiral), 8000 N B'way, St. Louis, Mo.
STROM BALL BEARING MFG. CO., 4569 Palmer, Chicago, Ill.
See adv index at end of book
Sumet Corp., 564 Ellicott sq, Buffalo, N. Y.
See adv index at end of book
Taylor Elec. Truck Co. ("Taylor," Journal), Troy, N. Y.
Titanum Bronze Co. Inc., Niagara Falls, N. Y.

675a—Bearings (For Automobile Axles, Transmission, etc)

Bailey-Burruss Mfg. Co., Atlanta, Ga.
BUNTING BRASS & BRONZE CO., 738 Spencer, Toledo, O.
See adv index at end of book
Erie Bronze Co., 353 W. 19th, Erie, Pa.
FAFNIR BEARING CO. ("Fafnir"), New Britain, Conn.
Gurney Ball Bearing Co., Jamestown, N. Y.
Gwilliam Co., 23 Flatbush av, Brooklyn, N. Y. *See adv index at end of book*
Kingwell Bros. California Brass Wks., ("King Bronze"), 444H Natoma, San Francisco, Cal.
Livermore Homer F. Inc., 85 Pearl, Boston, Mass.
Lumen Bearing Co., 200 Lathrop, Buffalo, N. Y. *See adv index at end of book*
NEW DEPARTURE MFG. CO., ("New Departure"), Bristol, Conn.
See adv index at end of book
Pioneer Motor Bearing Co., Eddy, at Van Ness av, San Francisco, Cal.
STROM BALL BEARING MFG. CO., 4569 Palmer, Chicago, Ill.
See adv index at end of book
Timken Roller Bearing Co. (Anti-Friction), Dept H, Canton, Ohio.

675b—Bearings (For Automobile Magnetos & Starters)

Atlas Brass Foundry Co., The, Columbus, O. *See adv index at end of book*
Bunting Brass & Bronze Co., 738 Spencer, Toledo, O. *See adv index at end of book*
Erie Bronze Co., 353 W. 19th, Erie, Pa.
FAFNIR BEARING CO. ("Fafnir"), New Britain, Conn.
Gurney Ball Bearing Co., Jamestown, N. Y.
Gwilliam Co., 23 Flatbush av, Brooklyn, N. Y. *See adv index at end of book*
NEW DEPARTURE MFG. CO. ("New Departure"), Bristol, Conn.
See adv index at end of book
Norma Co. of America, Anable av, Long Island City
STROM BALL BEARING MFG. CO., 4569 Palmer, Chicago, Ill.
See adv index at end of book

675ba— Bearings (For Farm Tractors)

AMERICAN ROLLER BEARING CO., 428 Mellwood av, Pittsburgh, Pa.
See adv index at end of book
Fafnir Bearing Co. ("Fafnir"), New Britain, Conn.
Gwilliam Co., 23 Flatbush av, Brooklyn, N. Y. *See adv index at end of book*
JOHNSON BRONZE CO., New Castle, Pa.
Morris, J. Leslie Co. ("Moroloy"), 1515 Mateo, Los Angeles, Cal.
New Departure Mfg. Co. ("New Departure'), Bristol, Conn.
See adv index at end of book
Pioneer Motor Bearing Co., Eddy, at Van Ness av, San Francisco, Cal.
Strom Ball Bearing Mfg. Co., 4569 Palmer, Chicago, Ill. *See adv index at end of book*
Timken Roller Bearing Co. (Anti-Friction), Dept H, Canton, Ohio.

675c—Bearings For Machines & Machine Tools

American Roller Bearing Co., 428 Mellwood av, Pittsburgh, Pa.
See adv index at end of book
Atlas Brass Foundry Co., The, Columbus, O.
Bunting Brass & Bronze Co., 738 Spencer, Toledo, O. *See adv index at end of book*
Erie Bronze Co., 353 W. 19th, Erie, Pa.
FAFNIR BEARING CO. ("Fafnir," For Machines of Every Description), New Britain, Conn.
Gurney Ball Bearing Co., Jamestown, N. Y.
Gwilliam Co., 23 Flatbush av, Brooklyn, N Y. *See adv index at end of book*
JOHNSON BRONZE CO., New Castle, Pa.
Lumen Bearing Co., 200 Lathrop, Buffalo, N. Y. *See adv index at end of book*
MT. VERNON DIE CASTING CORP., Mt. Vernon, N. Y.
See adv index at end of book
NEW DEPARTURE MFG. CO. ("New Departure"), Bristol, Conn.
See adv index at end of book
Norma Co. of America, Anable av, Long Island City
Pioneer Motor Bearing Co., Eddy, at Van Ness av, San Francisco, Cal.
Railway Bearing Co., Inc., 541 Seymour, Syracuse, N. Y.
STROM BALL BEARING MFG. CO., 4569 Palmer, Chicago, Ill.
See adv index at end of book
Sumet Corp., 564 Ellicott sq, Buffalo, N. Y.
See adv index at end of book
Super-Refined Metal Corp. ("Kelmet"), 315 West av 33, Los Angeles, Cal.

675d—*Bearings (For Orphan Cars)

GWILLIAM CO., 23 Flatbush av, Brooklyn, N. Y. *See adv index at end of book*
Strom Ball Bearing Mfg. Co., 4569 Palmer, Chicago, Ill.
See adv index at end of book

676— Bearings (Graphite)

Bound Brook Oil-Less Bearing Co. ("Bound Brook"), Bound Brook, N. J.
Cleveland Graphite Bronze Co., 2906 Chester av, Cleveland, Ohio
Edna Brass Mfg. Co., Cincinnati, O.

677—Bearings (Hanger Parts)

Bond Foundry & Machine Co., Penn st, Manheim, Pa.
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Cotton States Belting & Supply Co., Atlanta, Ga.
Dann Products Co., 1134 Euclid, Cleveland, O.
Jeffrey Mfg. Co., 961 N. 4th, Columbus, O.
See adv index at end of book
Kowal Bros., 2411 6th, Berkeley, Cal.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Wood's T. B. Sons Co., Chambersburg, Pa.

Bearings (Hard Fibre)

See Fibre, Hard

678— Bearings (High Speed)

Hill Clutch Co., W. 65th, Cleveland, O.
Norma Co. of America, Anable av, Long Island City
Rollway Bearing Co., Inc., 541 Seymour, Syracuse, N. Y.
Sumet Corp., 564 Ellicott sq, Buffalo, N. Y.
See adv index at end of book

679— Bearings (Journal)

Ajax Metal Co. ("Ajax"), 46 Richmond, Phila., Pa.
Allan A & Son ("Allan," Bronze), 6th & Bergen, Harrison, N. J.
Am. Crucible Products Co., Elyria, Ohio
Am. Safety Lamp & Mine Supply Co., 1327 Capouse av, Scranton, Pa.
Arguto Oilless Bearing Co., 149 Berkley, Wayne Junc., Phila., Pa.
Atlas Brass Foundry Co., Columbus, Ohio
Aurora Metal Co., Aurora, Ill.
Bantam Ball Bearing Co. (Roller), Bantam, Conn.
Barnard & Leas Mfg. Co. (Machinery), 403 20th, Moline, Ill.
Bond Foundry & Machine Co. ("Bond" Solid Journal and Post Bearing), Penn st, Manheim, Pa.
Bostwick-Lyon Bronze Co., Dept. H, Waynesboro, Pa.
Bound Brook Oil-Less Bearing Co. ("Bound Brook," "Nigrum," Oilless), Bound Brook, N. J.
Brady Brass Co., 170 14th, Jersey City, N. J.
Bronze Metal Co. ("Vim" Metal), 30 Church, New York
Brown A. & F. Co., 79 Barclay, New York.
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Chicago Bearing Metal Co. ("Graphose" Brass Car), 2220H W. 43rd, Chicago, Ill.
Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.
Cotton States Belting & Supply Co., Atlanta, Ga.
Damascus Bronze Co. ("Damascus"), N. S., Pittsburgh, Pa.
Dodge Mfg. Corp., Mishawaka, Ind.
Easton Car & Construction Co. (Car Journal, Roller, Self Oiling), 36 Holley, Easton, Pa. *See adv index at end of book*
Edna Brass Mfg. Co. ("Porteous," Graphite), Cincinnati, O.
Eureka Brass Co., 601 Red Bud av, St. Louis, Mo.
Eureka Co., North East, Pa.
FAFNIR BEARING CO. ("Fafnir"), New Britain, Conn.
Falcon Bronze Co., Youngstown, O.
Gilbert A. & Sons Brass Foundry Co., 4019 Forest Park blvd, St. Louis, Mo.
Graham Jas. & Co., New Haven, Conn.
Gwilliam Co. (Only Roller), 23 Flatbush av, Brooklyn, N. Y.
See adv index at end of book
Hagerstown Bearing Metal Co., Dept. H, Hagerstown, Md.
Hanson Clutch & Machy. Co., Tiffin, O.
HILL CLUTCH MACHINE & FOUNDRY CO., W. 65th st, Cleveland, Ohio
Hoyt Metal Co., Boatmans Bk. bldg, St. Louis, Mo.
Hunt Rodney Mach. Co., Orange, Mass.
Hyatt Roller Bearing Co., Harrison, N. J.
Jeffrey Mfg. Co., 961 N. 4th, Columbus, O.
See adv index at end of book
JOHNSON BRONZE CO., New Castle, Pa.
Keystone Bronze Co. (Car & Rolling Mill), 39th & A. V. R. R., Pittsburgh, Pa.
Lawrenceville Bronze Co., Bessemer bldg, Pittsburgh, Pa.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Los Angeles Valve & Fittings Co., 2741 Compton, Los Angeles, Cal.
LUMEN BEARING CO., 200 Lathrop, Buffalo, N. Y. *See adv index at end of book*
McGuire-Cummings Mfg. Co., Harris Trust & Savings bldg, Chicago, Ill.
Magnus Co., 945 Griffin, Detroit, Mich.
Magnus Co. Inc., 111H B'way, New York
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Meneely Geo. R. & Son, Watervliet, N. Y.
Michigan Smelting & Refining Co. (Railway), 7881 Jos. Campau av, Detroit, Mich.
See adv index at end of book
MORE-JONES BRASS & METAL CO. ("Pullman"), B'way & Dock, St. Louis, Mo. *See adv index at end of book*
Muzzy-Lyon Co., Ltd., 11031 Shoemaker, Detroit, Mich.
National Bronze & Aluminum Foundry Co., E. 88th & Lalsy, Cleveland, Ohio
National Lead Co., 111 B'way, New York
National Motor Bearing Co., 690 Turk, San Francisco, Cal.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Norma Co. of America, Anable av, Long Island City
North American Smelting Co. (Car Bearings), 9th & Thompson, Phila., Pa.
Oregon Brass Works, 73 N 2nd, Portland, Ore.
Pacific Metal Bearing Co., 129 Myrtle, San Francisco, Cal.
Phosphor Bronze Smelting Co., 2202 Washington av, Phila., Pa.
Pioneer Motor Bearing Co. ("Pioneer"), Eddy, at Van Ness av, San Francisco, Cal.
Prier Brass Mfg. Co., 15th & Blue River, Kansas City, Mo.
Reeves Paul S. & Co. (Brass, Bronze & Phosphor Bronze), 1415 Catharine, Phila., Pa.
Riverside Metal Co. (Brass, Bronze & Phosphor Bronze), Riverside, N. J.
Rollway Bearing Co., Inc. (Car Journal), 541 Seymour, Syracuse, N. Y.
Royersford Foundry & Machine Co., Royersford, Pa.
St. Louis Car Co. (Spiral), 8000 N B'way, St. Louis, Mo.
SHOOP BRONZE CO. (Mill), Tarentum, Pa.
Strom Ball Bearing Mfg. Co., 4569 Palmer, Chicago, Ill. *See adv index at end of book*
Sumet Corp., 564 Ellicott sq, Buffalo, N. Y.
See adv index at end of book
Super-Refined Metal Corp. ("Kelmet"), 315 West av 33, Los Angeles, Cal.
Taylor Electric Truck Co., Troy, N. Y.
Watson Frye Co., Ltd., Bath, Me.
Waynesboro Foundry & Machine Co., Waynesboro, Pa.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Wolf Co., Chambersburg, Pa.
Wood's T. B. Sons Co., Chambersburg, Pa.

680— Bearings (Lead Lined)

Ajax Metal Co. ("Ajax"), 46 Richmond, Phila., Pa.
DAMASCUS BRONZE CO. ("Damascus"), N S, Pittsburgh, Pa.
See adv index at end of book
Hoyt Metal Co., Boatmans Bk. bldg, St. Louis, Mo.
JOHNSON BRONZE CO., New Castle, Pa.
Reeves Paul S. & Co., 1415 Catherine, Phila., Pa.
Riverside Metal Co., Riverside, N. J.

680a— Bearings (Lignum Vitae)

Smith Co., S. Morgan, P. O. Box 667, York, Pa.

681—*Bearings (Lumen Bronze)

LUMEN BEARING CO., 200 Lathrop, Buffalo, N. Y. *See adv index at end of book*

681a—Bearings (Machine-drawn)

LUMEN BEARING CO., 200 Lathrop, Buffalo, N. Y.
See adv index at end of book

681b—Bearings (Metal, General Line, Die Cast)

FRANKLIN DIE-CASTING CORP., Gifford & Magnolia, Syracuse, N. Y.
See adv index at end of book

681c— Bearings (Mill)

American Roller Bearing Co., 428 Mellwood av, Pittsburgh, Pa.
See adv index at end of book
Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
Bronzbraswyt Metal Co., 4901 Butler, Pittsburgh, Pa.
DAMASCUS BRONZE CO. ("Damascus"), N. S. Pittsburgh, Pa.
See adv index at end of book
Falcon Bronze Co. (Steel), 218 S. Phelps, Youngstown, Ohio
GWILLIAM CO., 23 Flatbush, Brooklyn, N. Y. *See adv index at end of book*
Hoyt Metal Co. (Rolling), Boatmans Bank bldg, St. Louis, Mo.
JOHNSON BRONZE CO., New Castle, Pa.
Keystone Bronze Co. (Steel), 39th & A. V. RR., Pittsburgh, Pa.
LUMEN BEARING CO., 200 Lathrop, Buffalo, N. Y. *See adv index at end of book*
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Strom Ball Bearing Mfg. Co., 4569 Palmer, Chicago, Ill. *See adv index at end of book*
Sumet Corp., 564 Ellicott sq, Buffalo, N. Y.
See adv index at end of book

Bearings (Motor)

See Bearings, Electrical, Motor, Etc

682— Bearings (Oilless)

Arguto Oilless Bearing Co., 149 Berkley, Wayne Junc., Phila., Pa.
Bound Brook Oil-Less Bearing Co. ("Bound Brook," "Nigrum"), Bound Brook, N. J.
Cleveland Graphite Bronze Co., 2906 Chester av, Cleveland, Ohio
Dann Products Co., 1134 Euclid, Cleveland, O.
Electric Railway Equip Co., Cincinnati, O.
Metaline Co. ("Metaline"), West av, Long Island City, N. Y.
Nolu Oilless Bearing Co., 6 E Johnson, Germantown, Phila., Pa.
Randall Graphite Products Corp., 711H Fulton, Chicago, Ill.
Sherwood Oliver Co. ("Cutlass"), 503H Market, San Francisco, Cal.
Suffolk Oilless Bearing Co., Buel pl, Woburn, Mass.

683-4— Bearings (Pillow Block)

Bond Foundry & Machine Co., Penn st, Manheim, Pa.
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Chicago Pulley & Shafting Co., 29 N. Desplaines, Chicago, Ill.
Cotton States Belting & Supply Co., Atlanta, Ga.
Fafnir Bearing Co. ("Fafnir"), New Britain, Conn.
Jones W. A. Foundry & Machine Co., 4442 W. Roosevelt rd, Chicago, Ill.
See adv index at end of book
JEFFREY MFG. CO., 961 N 4th, Columbus, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
MEDART COMPANY THE, 3500 De Kalb, St. Louis, Mo.
See adv index at end of book
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Wood's T. B. Sons Co., Chambersburg, Pa.

685— Bearings (Post)

CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
Jones W. A. Foundry & Machine Co., 4442 W. Roosevelt rd, Chicago, Ill.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Wood's T. B. Sons Co., Chambersburg, Pa.

686— Bearings (Post Hanger)

Bond Foundry & Machine Co., Penn st, Manheim, Pa.
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
Jones W. A. Foundry & Machine Co., 4442 W. Roosevelt rd, Chicago, Ill.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Wood's T. B. Sons Co., Chambersburg, Pa.

687— Bearings (Radial)

Chain Belt Co., 746 Park, Milwaukee, Wis
See adv index at end of book
Cotton States Belting & Supply Co., Atlanta, Ga.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Strom Ball Bearing Mfg. Co., 4569 Palmer, Chicago, Ill.
See adv index at end of book
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

688— Bearings (Ring Oiling)

Bailey-Burruss Mfg. Co., Atlanta, Ga.
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Black-Clawson Co., Hamilton, O.
Bond Foundry & Machine Co. (Ball & Socet, etc.), Penn st, Manheim, Pa.
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Cotton States Belting & Supply Co., Atlanta, Ga.
Cresson-Morris Co., 18th & Allegheny, Phila., Pa.
Jeffrey Mfg. Co., 961 N. 4th, Columbus, O.
See adv index at end of book
Jones W. A. Foundry & Machine Co., 4442 W. Roosevelt rd, Chicago, Ill.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing, Chicago, Ill. *See adv index at end of book*
MEDART COMPANY THE, 3500 De Kalb, St. Louis, Mo.
See adv index at end of book
Royersford Foundry & Machine Co., Royersford, Pa.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Woods T. B. Sons Co., Chambersburg, Pa.

689— Bearings (Roller)

See also Bearing, Ball; also Bearings, Side

Accurate Engineering Co., 606 S. Michigan, Chicago, Ill.
American Roller Bearing Co., 428 Mellwood av, Pittsburgh, Pa.
See adv index at end of book

American Roller Bearing Co.

Manufacturers of

ROLLER BEARINGS

FOR ALL PURPOSES

428 Melwood Ave., Pittsburgh, Pa.

Ball & Roller Bearing Co., Danbury, Conn.
Bantam Ball Bearing Co., Bantam, Conn.
Bock Bearing Co. ("Bock" Taper), Phillips av & K. C. RR., Toledo, Ohio
Bond Foundry & Machine Co., Penn st, Manheim, Pa.
Bowert Roller Bearing Co. (Automobile & Vehicle), 3040H Hart av, Detroit, Mich.
Chicago Pulley & Shafting Co., 40 S Clinton, Chicago, Ill.
Cific Ball Bearing Co., 415 W. Cico, Los Angeles, Cal.
Cotton States Belting & Supply Co., Atlanta, Ga.
Easton Car & Construction Co. (Brass & Selfoiling), 36 Holley, Easton, Pa.
See adv index at end of book
Federal Bearings Co., Poughkeepsie, N. Y.
Gilliam Mfg. Co ("Gilliam" Taper), 820 Savannah av, N. E., Canton, O.
Graham Roller Bearing Co., Coudersport, Pa.
Gustafson Mfg. Co., 211 W. 26th, Chattanooga, Tenn.
GWILLIAM CO. ("Gwilliam"), 23 Flatbush av, Brooklyn, N. Y.
See adv index at end of book
Hyatt Roller Bearing Co., Harrison, N. J.
Lincoln Steel & Forge Co. (Mine Car Trucks), 5701 Natural Bridge av, St. Louis, Mo.
McCulloch A. P. Machine Co. (Special), 216 High, Boston, Mass.
Makutchan Roller Bearing Co. (For Factory Power Transmission Machines, Automobiles, Tractors, Machines etc.) ("Twinro," "Twinline"), Joliet, Ill.
Makutchan Roller Bearing Co. (For Factory Power Transmission for Machinery), 35 W. Lake, Chicago, Ill.
NEW JERSEY FOUNDRY & MACHINE CO. ("Delta"), 90 West, New York
Norma Co. of America, Anable av, Long Island City
Penna. Shafting Co. ("Wright" Taper), Spring City, Pa.
Pickering Governor Co. (Roller Relief), Portland, Conn.
Pratt Wm. E. Mfg. Co. (For Factory Power Transmission for Machinery), 15 W. Lake, Chicago, Ill.
Reber Calvin P., Reading, Pa.
Rollway Bearing Co., Inc. ("Rollway"), 541 Seymour, Syracuse, N. Y.
Royersford Foundry & Machine Co. ("Sells"), Royersford, Pa.
Shafer Bearing Corp., 6501 W. Grand, Chicago, Ill.
Standard Machinery Co., Providence, R. I.
Standard Steel & Bearings, Inc. (Improved Taper), 50th & Lancaster av, Phila., Pa.
Suspension Bearing Co., Spartanburg, S. C.
Timken-Detroit Axle Co. (Automobile & Truck), Clark av, Detroit, Mich.
Timken Roller Bearing Co. (Tapered Auto, Truck & Farm Tractor), Dept H, Canton, Ohio.

690— Bearings (Self-Oiling)

Arguto Oilless Bearing Co., 149 Berkley, Wayne Junc., Phila., Pa.
Atlas Ball Co., N. America & Glenwood av, Philadelphia, Pa.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Bond Foundry & Machine Co., Penn st, Manheim, Pa.
Bound Brook Oil-Less Bearing Co. ("Bound Brook," "Nigrum"), Bound Brook, N. J.
Brill J. G. Co., 62d & Woodland av, Phila., Pa.
Brown A. & F. Co., 79 Barclay, New York.
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Caldwell W. E. Co., Louisville, Ky.
Dann Products Co., 1134 Euclid, Cleveland, O.
Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*
Hanson Clutch & Machy. Co., Tiffin, O.
Hill Clutch Machine & Foundry Co., W. 65th st, Cleveland, O.
Hyatt Roller Bearing Co., Harrison, N. J.
Jeffrey Mfg. Co., 961 N. 4th, Columbus, O.
See adv index at end of book
Jones W. A. Foundry & Machine Co., 4442 W. Roosevelt rd, Chicago, Ill.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Self-Oiling Wheel & Bearing Co., Walla-Walla, Wash.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book
Wood's T. B. Sons Co., Chambersburg, Pa.
Woonsocket Mach. & Press Co., Woonsocket, R. I.

691— Bearings (Shaft Hanger)

Bond Foundry & Machine Co., Penn st, Manheim, Pa.
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Cotton States Belting & Supply Co., Atlanta, Ga.
Fafnir Bearing Co. ("Fafnir"), New Britain, Conn.
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
Hunt Rodney Mach. Co. (Step & Thrust), Orange, Mass.
Jeffrey Mfg. Co., 961 N. 4th, Columbus, O.
See adv index at end of book
JONES W. A. FOUNDRY & MACHINE CO., 4442 W. Roosevelt rd, Chicago, Ill.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Nolu Oiliess Bearing Co., 6 E Johnson, Germantown, Phila., Pa.
Strom Ball Bearing Mfg. Co., 4569 Palmer, Chicago, Ill.
See adv index at end of book
Strom Ball Bearings, 4569 Palmer, Chicago, Ill. *See adv index at end of book*
Transmission Ball Bearing Co. ("Chapman"), 1056 Military rd, Buffalo, N. Y.
Wood's T. B. Sons Co., Chambersburg, Pa.

692— Bearings (Side)

American Steel Foundries ("Susemihl"), 410 N. Michigan blvd, Chicago, Ill.
Bound Brook Oil-Less Bearing Co. ("Bound Brook," "Nigrum"), Bound Brook, N. J.
Cardwell Mfg. Co. ("Cardwell Rocker"), 332 S Michigan av, Chicago, Ill.
Chicago Railway Equipment Co. ("Creco" Roller), 1928 W 46th, Chicago, Ill.
Hegeman Castle Corp. ("Perry" Anti-Friction), 80 E. Jackson blvd, Chicago, Ill.
Holden & White ("Perry" Anti-Friction), 343 S. Dearborn, Chicago, Ill.
Miner W. H., 209 S. La Salle st, Chicago, Ill.
Pressed Steel Car Co. (Pressed Steel), 307 5th av, Pittsburgh, Pa.
Republic Railway Equipment Co., Inc., Railway Exchange bldg, Chicago, Ill.
St. Louis Car Co. ("St. Louis"), 8000 N B'way, St. Louis, Mo.
Standard Car Truck Co. ("Barber" Roller Bearing), 332 S Michigan av, Chicago, Ill.
Stucki A. ("Stucki"), Oliver bldg, Pittsburgh, Pa.
Symington, T. H. Co. ("Baltimore"), 233 B'way, New York
Universal Draft Gear Attachment Co., Railway Exchange bldg, Chicago, Ill.
Western Steel Car & Foundry Co. (Pressed Steel), Farmers Bank bldg, Pittsburgh, Pa.
WINE RAILWAY APPLIANCE CO., THE, Toledo, Ohio
Woods Edwin S. & Co. ("Woods" Roller), 232 S. Clark, Chicago, Ill.

693—Bearings (Spiral Conveyor)

CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Cotton States Belting & Supply Co., Atlanta, Ga.
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

Bearings (Steel Mill)

See Bearings (Mill)

693a— *Bearings (Step)

CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
GWILLIAM CO., 23 Flatbush, Brooklyn, N. Y. *See adv index at end of book*
Jones W. A. Fdry. & Mach. Co., 4442 W. Roosevelt rd, Chicago, Ill.
See adv index at end of book
LINK-BELT CO., 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Wood's T. B. Sons Co., Chambersburg, Pa.

694— Bearings (Take-Up)

Bond Foundry & Machine Co., Penn st, Manheim, Pa.
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Cotton States Belting & Supply Co, Atlanta, Ga.
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
Jones W. A. Foundry & Machine Co., 4442 W. Roosevelt rd, Chicago, Ill.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

694a—*Bearings (Textile Machinery)

FAFNIR BEARING CO. ("Fafnir"), New Britain, Conn.
Gwilliam Co., 23 Flatbush, Brooklyn, N. Y.
See adv index at end of book
MT. VERNON DIE CASTING CORP., Mt. Vernon, N. Y.
See adv index at end of book
STROM BALL BEARING MFG. CO., 4569 Palmer, Chicago, Ill.
See adv index at end of book
Sumet Corp., 564 Ellicott sq, Buffalo, N. Y.
See adv index at end of book

695— Bearings (Thrust)

Acorn Bearing Co. ("Acorn"), New Britain, Conn.
Aetna Ball Bearing Mfg. Co., 2743 High, Chicago, Ill.
See adv index at end of book

AETNA BALL BEARING MANUFACTURING CO.

Manufacturers of

THRUST BALL BEARINGS

2743 High St. Chicago

American Ball Co. ("American"), 115 Clifford, Providence, R. I.
Atlas Ball Co., N. America & Glenwood av, Phila., Pa.
Atlas Brass Foundry Co., Columbus, Ohio
Auburn Ball Bearing Co. ("Auburn" Ball Bearing), 26 Elizabeth, Rochester, N. Y.
Bantam Ball Bearing Co., Bantam, Conn.
Boston Gear Works ("Nice" Thrust Collar), Norfolk Downs, Quincy, Mass.
See adv index at end of book
Bound Brook Oil-Less Bearing Co. ("Bound Brook," "Nigrum"), Bound Brook, N. J.
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Continental Fibre Co. (Fibre Plain), Newark, Del.
Dann Products Co., 1134 Euclid, Cleveland, O.
Delaware Hard Fibre Co. (Fibre Plain), Wilmington, Del.
See adv index at end of book
Fafnir Bearing Co. ("Fafnir"), New Britain, Conn.
G. A. Ball Bearing Co., 3315 W. Harrison, Chicago, Ill.
Gurney Ball Bearing Co. (Also Radial for Automobiles, Electric Machinery, Street Cars, Machine Tools), Jamestown, N. Y.
GWILLIAM CO. ("Gwilliam"), 23 Flatbush av, Brooklyn, N. Y.
See adv index at end of book
Hess-Bright Mfg. Co. ("H. B.-D. W. F.," Ball Bearings), 165 B'way, New York
Hill Clutch Machine & Foundry Co., W. 65th st, Cleveland, Ohio
JOHNSON BRONZE CO., New Castle, Pa.
Kingsbury Albert, Oliver bldg, Pittsburgh, Pa.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
Norma Co. of America, Anable av, Long Island City
Poole Engineering & Mach. Co., Woodberry Station, Baltimore, Md.
R.-I.-V. Co. ("R.-I.-V." for Mechanical Purposes), 250 W. 57th, New York
Rollway Bearing Co., Inc., 541 Seymour, Syracuse, N. Y.
S. K. F. Ball Bearing Co. ("S. K. F."), Hartford, Conn.
Schatz Mfg. Co., Poughkeepsie, N. Y.
Smith Co., S. Morgan ("Gibbs Type"), P. O. Box 667, York, Pa.
Standard Machinery Co., Providence, R. I.

(Continued on following page)

Bearings (Thrust)—Continued

STROM BALL BEARING MFG. CO., 4569 Palmer, Chicago, Ill.
See adv index at end of book

Super-Refined Metal Corp. ("Kelmet"), 315 West av 33, Los Angeles, Cal.

Western Bearings Co. ("Western"), 3012 Calumet av, Chicago, Ill.

695a— Bearings (Tractor)

BUNTING BRASS & BRONZE CO., 738 Spencer, Toledo.
See adv index at end of book

Gwilliam Co., 23 Flatbush av, Brooklyn, N. Y. *See adv index at end of book*

Hoyt Metal Co., Boatmans Bk. bldg, St. Louis, Mo.

STROM BALL BEARING MFG. CO., 4569 Palmer, Chicago, Ill.
See adv index at end of book

Sumet Corp., 564 Ellicott sq, Buffalo, N. Y.
See adv index at end of book

695b— *Bearings (Wood)

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

696—Beaters (Carpet & Rug)

Automatic Wire Goods Mfg. Co. (Wire), 386 Canal pl, New York

Barlow & Kent Co., Urbana, O.

Basket Importing Co., 5 Union sq, New York

Beats All Mfg. Co. ("Beats All"), Fairmont, Minn.

Cassady Fairbank Mfg Co. (Wire), 2126 S La Salle, Chicago, Ill

Catawissa Specialty Mfg. Co., Catawissa, Pa.

Chicago Rawhide Mfg. Co., The (Rawhide Bound), 1307 Elston av, Chicago, Ill.
See adv index at end of book

Cooley Mfg. Co., 530 N. Western, Chicago, Ill.

Dawson J. R. Mfg. Co., 168 W. Master, Philadelphia, Pa.

Ely Theo. J. Mfg. Co., Girard, Pa.

Hamblin & Russell Mfg. Co., 28 Water, Worcester, Mass.

Hessler H. E. Co., Syracuse, N. Y.

Hilker Edward Mop Co., 2614 W Grand av, Chicago, Ill.

Hollow Cable Mfg. Co. ("Preston's" Braided Wire), Horneil, N. Y.

Malin & Co. ("Malin's" Braided Wire), 2514 Vestry av, Cleveland, O.

Parker Wire Goods Co. (Wire), Worcester, Mass.

Racine Iron & Wire Works, Racine, Wis.

Smith & Phillips Mfg. Co. ("World Beater," "Polished Spring Wire"), 30 N. Jefferson, Chicago, Ill.

Spring Handle Co., Abingdon, Ill.

Standard Wire Co. ("Gem" Wire), New Castle, Pa.

Steinfeld Bros. (Wire), 116 W 32nd, New York

Thum Chas. D., 150 N 3d, Philadelphia, Pa.

Thurnauer G. M. Co. (Rattan), 6 E 20th, New York

Utility Mfg. Co., Sturgis, Mich.

Washburn Co. (Andrews Division), 3424 Preston, Rockford, Ill.

Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*

Wilson Mfg. Co., Niles, O.

Woods-Sherwood Co. ("Sherwood's" Wire), 28 Union, Worcester, Mass.

Zinn Charles & Co., 16 E. 15th, New York

697—Beaters (Egg & Cream)

A. & J. Mfg. Co. ("A. & J." Egg Beater & Cream Whip), Binghamton, N. Y.

American Roller Bearing Co., 428 Mellwood av, Pittsburgh, Pa.
See adv index at end of book

Bridgeport Wire Goods Co., East Port Chester, Conn.

Browne W. G. Mfg. Co. ("Cyclone"), Kingston, N. Y.

Cassady Fairbank Mfg. Co. ("Turbine"), 6126 S La Salle, Chicago, Ill.

Chapman Co. ("Chapman"), Geneva, N. Y.

Christy Knife Co. ("Christy"), Fremont, O.

Cream Whip Co., 7504 Cedar av, Cleveland, O.

Dawson J. R. Mfg. Co. ("Surprise"), 168 W. Master, Philadelphia, Pa.

Dover Stamping & Mfg. Co. (Dover for Family Use & for Confectioners), Cambridge, Mass.

Fries Geo. Sons, 222 S Front, Philadelphia, Pa.

Giles & Nielsen Nickel Works ("Clipper"), Troy, N. Y.

Kohler Die & Specialty Co. (Cream), De Kalb, Ill.

Landers, Frary & Clark (Dover), New Britain, Conn.

Lange Mfg Co., 399H Silver, Elgin, Ill.

Meyers Fred. J. Mfg. Co., Hamilton, O.

National Indicator Co. ("S & S"), 852 Vernon av, Bklyn, N. Y.

Novelty Mfg. Co. ("Cosmos"), Waterbury, Conn.

Parker Wire Goods Co. (Dover Hotel & Family also Wire Egg Beaters & Whips), 18 Grafton, Worcester, Mass.

Parkesburg Stamping & Mfg. Co. ("Up-to-Date"), Parkesburg, Pa.

Pioneer Wire Works, 133-135 Federal, Camden, N. J.
See adv index at end of book

Racine Confectioners' Machinery Co., Racine, Wis.

Racine Iron & Wire Works, Racine, Wis.

Roseland Can & Specialty Co. ("Double Quick"), Rockford, Ill.

Silver & Co. ("Silver"), 304 Hewes, Brooklyn, N. Y.

Standard Egg Co. ("Silver Pattern"), 27 Commercial, Boston, Mass.

Standard Wire Co., New Castle, Pa.

Star Specialty Co., Ashland, O.

Taplin Mfg. Co. (Dover "Tumbler" "Light Running" "Taplin"), New Britain, Conn.

Thurnauer G. M. Co. ("Rover's"), 6 E 20th, New York

Titchener-Diehl Co. (Wire Bound Box Staples), 1844-48 W Austin av, Chicago, Ill.

Traut & Hine Mfg. Co., New Britain, Conn.

Turner & Seymour Mfg. Co. ("T & S" Dover), Torrington, Conn.

Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*

Washburn Co. (Wire Goods Div.) (Dover & Wire), 28 Union, Worcester, Mass.

Wire Hardware Co., 6126 S La Salle, Chicago, Ill.

Woods-Sherwood Co. ("Sensible" & "Surprise" Beaters & Whip), 28 Union, Worcester, Mass.

World Novelty Co. ("World Beater"), Elgin, Ill.

697a—Beaters (Egg & Cream Dover Type)

Dover Stamping & Mfg. Co., Cambridge, Mass.

Landers Frary & Clark, New Britain, Conn.

Parker Wire Goods Co., 18 Grafton, Worcester, Mass.

Taplin Mfg. Co., New Britain, Conn.

Turner & Seymour Mfg. Co., Torrington, Conn.

Wickwire Spencer Steel Corp., 69 Hammond, Worcester, Mass.
See adv index at end of book

Washburn Co. (Wire Goods Div.), (Dover & Wire), 28 Union, Worcester, Mass.

698— Beaters or Whisks (Isinglass)

Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.

699— Beds (Hospital)

Dow Co., 201H N. Buchanan, Louisville, Ky.

Minneapolis Bedding Co., 5th & Hennepin, Minneapolis, Minn.

Schoedinger F. O., 346 Mt. Vernon av, Columbus, Ohio

Smith & Davis Mfg. Co., 20th & Locust, St. Louis, Mo.

Union Bed & Spring Co., 4345 5th av, Chicago, Ill.

700 — Beds (Wall)

California Wall Bed Co. ("California" & "Bal-Bed"), 714 Market, San Francisco, Cal.

Holmes Disappearing Bed Co. ("Holmes"), Pacific Electric Bldg, Los Angeles, Cal.

Inco Co., The, 1426 E 15th, Los Angeles, Cal.

Lee Jas. S. ("Bell"), 106 Church, San Francisco, Cal.

Los Angeles Wall Bed Co. ("De Luxe Line"), 750 Castelar, Los Angeles, Cal.

Marshall & Stearns, Phelan Bldg, San Francisco, Cal.

Murphy Door Bed Co. ("In-A-Door"), 22 W. Monroe, Chicago, Ill.

PAGE WALL BED CO. (Also "Page's" Portable All-Purpose Bed), 4200 Long Beach av, Los Angeles, Cal.

Roberti Bros. ("Bed-A-Way"), 1342 Long Beach av, Los Angeles, Cal.

Schecher John L. (Closet, Roller & Pivot), 116 W. 32nd, Los Angeles, Cal.

Southern Cal. Hardwood & Mfg. Co., 1430 S Alameda, Los Angeles, Cal.

Spaulding Leverett T. ("Perfection" Roll-about), 1041 Mission, San Francisco, Cal.

Rip Van Winkle Wall Bed Co. Inc., ("Rip Van Winkle"), 792-6 22nd, Oakland, Cal.

Universal Bed Co., E 8th & Main, Portland, Ore.

701—Bedstead Mfrs. (Brass or Iron)

CALIFORNIA.

LOS ANGELES—Broome W. J. Mfg. Co. ("Seat-N-Bed," Auto Camp Beds), 1455 E. 17th
Page Wall Bed Co. (Portable), 4200 Long Beach av
Rip Van Winkle Wall Bed Co.
Scherer John L. (Closet, Roller & pivot), 116 W. 32nd
Welch W. M. Scientific Co. (Church), 1516 Long Island av

OAKLAND—Rip Van Winkle Bed Co., Inc., 792-6 22nd

SAN FRANCISCO—Bernhard Mattress Co. (Iron), 739 Mission
California Artistic Metal & Wire, 349 7th
Rip Van Winkle Wall Bed Co., Inc.
Rudgear-Merle Co. (Brass & Iron), 198 Bay
Simmons Co., 198 Bay

CONNECTICUT.

SHELTON—Whitcomb Metallic Bedstead Co. (Brass & Iron)

GEORGIA.

ATLANTA—Gholstin Spring & Mattress Co. (Iron)

ILLINOIS.

BRADLEY—Turk Jos. Mfg. Co. (Iron, Steel & Brass)

CHICAGO—American Metal Ware Co. (Brass), 368 W Huron
Davis, Horwich & Steinman (Iron), 2236 La Salle
Haggard & Marcusson Co (Iron), 1109 W. 37th, Chicago, Ill.
Union Bed & Spring Co., 4345 Fifth av.

PEORIA—Peoria Lounge & Mattress Co. (Iron)

INDIANA.

EVANSVILLE—Evansville Metal Bed Co. (Brass & Iron), 700 7th av.
Metal Furniture Co. ("Hygiene"), 2125 O 1st av

MARION—Harwood-Barley Mfg. Co.

KENTUCKY.

LOUISVILLE—Belknap Hardware & Mfg. Co. (Brass & Iron)
Dow Co., 201H N Buchanan

LOUISIANA.

NEW ORLEANS—Crescent Bed Co., Ltd., (Iron), 2662 Gravier
Magee Mfg. Co. (Brass & Iron), 1518 Tcoupt

MARYLAND.

BALTIMORE—Foster Bros. Mfg. Co. (Brass & Iron), 320 N Holliday
Southern-Rome Co., 623 W Pratt

MASSACHUSETTS.

BOSTON—Bent G. W. Co. (Brass & Iron), 112 Canal
Boston Metallic Bed Co. (Iron), 90 Canal
Richardson, Wright & Co. (Iron), 65 Beverly

WESTBORO — Foster-Richardson Co. (Brass & Iron)

MICHIGAN.

DETROIT—Jenks & Muir Mfg. Co. (Brass & Iron), 6441 Hastings

MINNESOTA.

MINNEAPOLIS—Gangelhoff Bros. (Brass & Iron), 909 S. 2nd
Minneapolis Bedding Co. (Steel), 5th & Hennepin
Salisbury & Satterlee Co. (Iron), 201 S E Main

ST. PAUL—United States Bedding Co. (Iron)

MISSOURI.

KANSAS CITY—Brown Bed Mfg. Co. (Brass & Iron), 4300 E. 12th

ST. LOUIS—American Bed Co., 1820H Park av
Fort Pitt Bedding Co. (Iron), Dept H Liverpool & Prebleau
Foster Bros. Mfg. Co. (Iron), Broadway & Buchanan
Smith & Davis Mfg. Co. (Iron), 20th & Locust

NEW JERSEY.

BAYONNE—Knickerbocker Metallic Bed Co.

JERSEY CITY—Mersereau Metal Bed Co., (Brass & Iron), 292 Johnston av

NEWARK—American Metal Bed Co. ("Snow White"), 20 Clifton
Newark Spring Mattress Co., 84 Madison

NEW YORK.

ALBANY—Hasselbarth C. O. (Brass & Iron)

BUFFALO—Barcalo Mfg. Co. (Brass & Iron), 225 Louisiana
Hard Mfg. Co. (Iron), 117 Tonawanda
Otis Bed Mfg. Co., 170 Florida

MECHANICSVILLE—Eckerson Bedding Co. (Iron)

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Gasau Thompson Co., 10 Ashland pl
Greenpoint Metallic Bed Co. (Brass & Iron), 226 Franklin
Royal Metal Furniture Co. (Brass & Iron), 174 7th
Weisglass Samuel & Co., 86 Milford

Manhattan and The Bronx.

NEW YORK—Hall Frank A. & Sons (Im), 120 Baxter
Hudson Metal Bed Co. (Brass & Iron), 469 7th av

New York Couch Frame Co., 652 E. 12th
Ostermoor & Co. (Brass & Iron), 116 Elizabeth
Rogers C. P. & Co. (Brass & Iron), 14 E 33rd
Schlesinger W. & S. & Co. (Iron), 382 2nd av
Somelastique Bedding Co. (Iron), 301 E 22d

Borough of Queens.

LONG ISLAND CITY—Manhattan Bedding Co. (Brass & Iron), Anable av
(End of New York City)

ROME—Rome Metallic Bedstead Co. (Brass & Iron)
TRUXTON—Bryant Furniture Co. (Iron)
UTICA—Foster Bros. Mfg. Co. (Iron, & Brass)
Hasselbarth-Whiton Co.

NORTH CAROLINA.

HIGH POINT—High Point Metallic Bed Co.

OHIO.

ASHLAND—Kauffman Mfg. Co. (Iron)
CINCINNATI—Hunt M. A. Co. (Brass & Iron), Dempsey & C. H. & D. Ry.
Nunner & Ashton Co. (Brass & Iron), 417 E Pearl

PENNSYLVANIA.

CORRY—Kurtz Brass Bed Co. (Ltd.)
PHILADELPHIA—Bernstein Mfg. Co. (Brass & Iron), 3d & Allegheny
Bunting J. R. Bedding Co. (Iron), 1505 Wharton
Dougherty H. D. & Co. ("Faultless" Brass & Iron), 17th & Indiana
PITTSBURGH—Pittsburgh Metal Bed Co. Pittsburgh Tube Co. (Brass or Iron), Keystone bldg. Mills: Colona, Pa.

TENNESSEE.

CHATTANOOGA—Heron Metal Bed Co., Main & Cnut

TEXAS.

EL PASO—Welch Bedding Co., cor. 5th & Ochoa

VERMONT.

SOUTH SHAFTESBURY—Eagle Square Mfg. Co. (Steel & Iron),

WISCONSIN.

FOND DU LAC—Winnebago Furniture Mfg. Co. (Iron)
KENOSHA—Simmons Co., Dept. H

WASHINGTON.

WASHINGTON—Carman Mfg. Co., H & 25th

702— Bee Keepers' Supplies

Blanke Mfg. & Supply Co., 3d & Washington av, St. Louis, Mo.
Dadant & Sons, Hamilton, Ill.
Emerson Geo. L. Co., 428 Hewitt, Los Angeles, Cal.
Falconer W. T. Mfg. Co., Falconer, N. Y.
Kunkel Mfg. Co. (Honey Tanks & Extractors), 781 S. San Pedro, Los Angeles, Cal.
Leahy Mfg. Co., Higginsville, Mo.
Lewis G. B. Co., Watertown, Wis.
Lotz August & Co., Boyd, Wis.
Lumber Products Co. (Hives), 1454 MacAdam, Portland, Ore.
Madary's Planing Mill, Inc. (Hives), H & Santa Clara, Fresno, Cal.
Marshfield Mfg. Co., Marshfield, Wis.
Root A. I. Co. of Iowa, Council Bluffs, Iowa

703-4— Beeswax

American Trading Co., 25 Broad, New York
Bowdleaf W. H. Co., 69 Broad, Boston, Mass.
Brodin Pattern & Supply Works, 2420 W 16th, Chicago, Ill.
Bromund E. A. Co., 258 B'way, New York
Candy & Co. (Bleachers & Refiners), 401 N Paulina, Chicago, Ill.
Cathedral Candle Co., Syracuse, N. Y.
Chamberlain & Johnson, 1238 Voskamp, Pittsburgh, Pa.
Chrystal Chas. B. Co., Inc., 13 Cliff, New York *See adv index at end of book*
Falconer, W. T., Mfg. Co., Dept. H, Falconer, N. Y.
Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa.
See adv index at end of book
Fuerst Bros. & Co. (Imported), 2 Stone, New York
General Commercial Co., Ltd. of U. S., Imp., 90 W. B'way, New York
Gonzalez Andres (Imp), 82 Pine, New York
Harburger & Stack (Imported), 83 Gold, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Innis, Speiden & Co., Inc., 46 Cliff, New York
Jacob Chas. W. & Allison (Imp), 18 Cedar, New York
Knapp Edw. J. Candle Co., Syracuse, N. Y.
Lathrop H. R. & Co., 116 Beekman, New York
Marty F. & Co. (Bleachers & Refiners), Syracuse, N. Y.
Mitchell-Rand Mfg. Co., 26 Vesey, New York
Riverside Mfg. Co., 4528 S. B'way, St. Louis, Mo.
Root A. I. Co., Medina, O.
St. Louis Candle & Wax Co., 208 S. First, St. Louis, Mo.
Salomon L. A. & Bro., 216 Pearl, New York
Scheel Wm. H. (Imported), 179 Water, New York *See adv index at end of book*
SMITH & NICHOLS, INC. ("Star Brand"), 121 Maiden lane, New York
Stevenson, Bro. & Co., 110 Race, Phila., Pa.
Strahl & Pitsch (Imported), 141 Front, New York
Whittemore-Wright Co. (Imported), Charleston, Boston, Mass.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*
Will & Baumer Co. (Bleachers & Refiners), Syracuse, N. Y.

Beetles

See Mallets, Wooden

705— Bell Founders

American Bell & Foundry Co. (Cast Steel), Northville, Mich.
Bell C. S. Co., Hillsboro, O.
Bevin Bros. Mfg. Co., East Hampton, Ct.
Cincinnati Bell Foundry Co., 2933 Spring Grove av, Cincinnati, O.
East Hampton Bell Co., E. Hampton, Ct.
Fuller Frederic, 277 Brook, Providence, R. I.
Garratt W. T. & Co. 299 Fremont, San Francisco, Cal.
Gong Bell Mfg. Co., East Hampton, Ct.
Graham Jas. & Co., New Haven, Conn.
Hill N. N. Brass Co., E. Hampton, Ct.
Laughlin Thos. Co. (Ship), Portland, Me.
McShane Bell Foundry Co., Harford av & B. & O. R. R., Baltimore, Md.
Meneely Bell Co., Troy, N. Y.
Meneely & Co., Watervliet, N. Y.
Mousley's Chas. Sons, 417 N 12th, Phila., Pa.
New Departure Mfg. Co., Bristol, Conn. *See adv index at end of book*
Ross-Meehan Foundries, Carter, Chattanooga, Tenn.
Starr Bros. Bell Co., East Hampton, Ct.
Stuckstede Hy. Bell Foundry Co., 1312 S 2d, St. Louis, Mo.
Van Duzen, E. W. Co., 428 E 2d, Cincinnati, O.
Williams E. A. & Son, 109 Plymouth, Jercity, N. J.

Bell Ringers

See Locomotive Bell Ringers

706—Bellows (Blacksmiths', Molders', Etc.)

Brand S. H. Co., 559 W Lake, Chicago, Ill.
Bullock T. H. Mfg. Co. ("Cyclone" Molders, Bakers, Insect Powders, etc), 863-865 E. 140th St., Cleveland, Ohio *See adv index at end of book*

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Dobson Wm., 209 Spencer, Canastota, N. Y.
Flaccus Wm. Oak Leather Co., 1223 River av, Pittsburgh, Pa.
McCormick J. S. Co., 25th & A. V. R. R., Pittsburgh, Pa.
Osborn Mfg. Co. (Molders only), 5401 Hamilton av., Cleveland, Ohio.
Paxson J. W. Co., (molders), Nicetown Lane & D, Phila., Pa.
Shanafelt Mfg. Co. (Foundry), Dept H, Canton, Ohio.
Woodison E. J. Co., 1621 St. Aubin, Detroit, Mich.

707—*Bellows (Brass & Wood)

JACKSON EDWIN A. & BRO., INC., 50 Beekman, New York
See adv index at end of book

708— Bells (Altar)

East Hampton Bell Co., East Hampton, Conn.
Riley-Klotz Mfg. Co., 17 Mulberry, Newark, N. J.
Starr Bros. Bell Co., East Hampton, Conn.

709—Bells (Automobile & Bicycle)

See also Bells, Electric; also Bells & Gongs, Car, Etc.

Bevin Bros. Mfg. Co., East Hampton, Conn.
Gong Bell Mfg. Co., East Hampton, Conn.
NEW DEPARTURE MFG. CO. ("New Departure" Bicycle Only), Bristol, Conn. *See adv index at end of book*
Reiter G. C., 1917 Henry av, S. W., Canton, O.
Starr Bros. Bell Co., East Hampton, Conn.

Bells (Cable End)

See Potheads & Sleeves

710— Bells (Call)

Gong Bell Mfg. Co., East Hampton, Conn.
Hill N. N. Brass Co., East Hampton, Conn.
Starr Bros. Bell Co., East Hampton, Conn.

Bells (Chime)

See Bells, Church, Farm, Fire & School

711—Bells (Church, Farm, Fire & School)

American Bell & Foundry Co., Northville, Mich.
Bell C. S. Co. (Steel Alloy) ("Crystal Metal"), Hillsboro, O.
Blymer Iron Works Co., Cincinnati, O.
Cincinnati Bell Fdry. Co., 2933 Spring Grove av, Cincinnati, O.
Davoren W. T. Brass Finishing Works (Davoren-Denver), 1241 N 12th, Denver, Colo.
Durfee Walter H. & Co. (Tubular, Tower, etc), 151 Pond, Providence, R. I.
Foote J. B. Foundry Co., Fredericktown, O.
Gamewell Fire Alarm Telegraph Co. (Fire), Newton-Upper Falls, Mass.
Garratt W. T. & Co., 299 Fremont, San Francisco, Cal.
Gibson & Kirk Co. (Farm), 217 Key Highway, Baltimore, Md.
Kirby Mfg. Co., Middletown, Conn.
Lehr Agricultural Co., Fremont, O.
McShane Bell Foundry Co., Hartford av & B. & O. R. R., Baltimore, Md.
Manhattan Electrical Supply Co. (Fire Alarm), 17 Park pl, New York
Meneely Bell Co., Troy, N. Y.
Meneely & Co., Watervliet, N. Y.
New Departure Mfg. Co. ("New Departure," Fire, for Apparatus and on Buildings), Bristol, Conn. *See adv index at end of book*
Ostrander W. R. & Co., 371 Broadway, New York
Ross-Meehan Foundries, Carter, Chattanooga, Tenn.
St. Louis Bell Fdry. (High Grade), 2735 Lyon, St. Louis, Mo.
Stuckstede Henry Bell Foundry Co., 1312 S 2d, St. Louis, Mo.
Van Duzen E. W. Co., 428 E 2d, Cincinnati, O.
Welch W. M. Scientific Co. (Church), 1516 Orleans, Chicago, Ill.
Williams E. A. & Son, 109 Plymouth, Jersey City, N. J.

712— Bells (Cow & Sheep)

Bevin Bros. Mfg. Co., East Hampton, Conn.
Blum Mfg. Co., Collinsville, Ill.
East Hampton Bell Co., East Hampton, Conn.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
Starr Bros. Bell Co., East Hampton, Conn.

713— Bells (Door & House)

See also Bells, Electric

Bevin Bros. Mfg. Co., East Hampton, Conn.
Bradley & Farnham ("Anchor," "Simplex"), Middlefield, Conn.
Corbin P. & F. ("Corbin"), New Britain, Conn.
East Hampton Bell Co., East Hampton, Conn.
Gong Bell Mfg. Co., East Hampton, Conn.
Hill N. N. Brass Co., East Hampton, Conn.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.
Reiter G. C., Canton, O.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Starr Bros. Bell Co. (Gong, Alarm, Rotary Door, Call, etc), East Hampton, Conn.

714— Bells (Electric)

Ansonia Electrical Co. ("Eureka," "Wizard"), Ansonia, Conn.
Benjamin Electric Mfg. Co., 120 S Sangamon, Chicago, Ill.
Bunnell J. H. & Co. ("Beeko"), 32 Park pl, New York
Bryant Zinc Co., 600 Orleans, Chicago, Ill.
Chicago Railway Signal & Supply Co., 122 So Michigan av, Chicago, Ill.
Conn. Tele. & Elec. Co., Meriden, Conn.
Cory Chas. & Son, Inc. (Call), Dept H, 183 Varick, New York
Edwards & Co. ("Lungen," "Vigilant," "Rect," "Economy"), Exterior av & 140th, New York
Electric Goods Mfg. Co. ("Victor," "Dandy," "Tyrolean"), Canton, Mass.
Elec'l Sales Co., 261 Franklin, Boston, Mass.
Empire Transformer Co., 3819 N. Ashland, Chicago, Ill.
Fralick S. R. & Co. ("Hersh Duplex Signal"), 15 S Clinton, Chicago, Ill.
Gamewell Fire Alarm Tele. Co., Newton Upper Falls, Mass.
Holtzer-Cabot Electric Co. ("Hub-Dome"), 125 Amory, Boston, Mass.
Keil Francis & Son ("Reliance," "Ampro"), 401 E 163d, New York
Manhattan Electrical Supply Co. ("Nonpareil," "Crescent," "Crescendo," "Monitor," "Premier"), 17 Park pl., New York
Menominee Elec. Mfg. Co., Menominee, Mich.
Ostrander W. R. & Co., 371 Broadway, New York
Partrick & Wilkins Co., 51 N 7th, Phila., Pa.
Pearce Fred'k Co. (For Railway Signaling), 70 W. 40th, New York
Railroad Supply Co., 203 S Dearborn, Chicago, Ill.
Russell Electric Co. ("Electric Whistle," "Freco"), Danbury, Conn.
Samson Electric Co. ("Samson"), 237 Washington, Canton, Mass.
Schwarze Electric Co., Adrian, Mich.
Spies Elec. Works ("Selco"), 564 W. Van Buren, Chicago, Ill.
Standard Electric Time Co., Springfield, Mass.
Stanley & Patterson ("Faraday," "Skeleton" & Enclosed Type), 23 Murray, New York
Starr Bros. Bell Co. (Mechanical), East Hampton, Conn.
Tele-Call Co., 1209 Marquette rd, Cleveland, O.
Western Electric Co. ("Hawthorne," Relay), 463 West, New York

715— Bells (Engine)

Bevin Bros. Mfg. Co., East Hampton, Conn.
Cory Chas. & Son, Inc., 183 Varick, New York
Meneely & Co., Watervliet, N. Y.
Reiter G. C., Canton, O.
Starr Bros. Bell Co. (Locomotive Gongs, etc), East Hampton, Conn.
Vanadium Metals Co., Vanadium bldg, Pittsburgh, Pa.
Van Duzen E. W. Co., 428 E 2d, Cincinnati, O.
Williams E. A. & Son, 109 Plymouth, Jersey City, N. J.

716— Bells (Fog)

Bevin Bros. Mfg. Co., East Hampton, Conn.
Blymer Iron Works Co., Cincinnati, O.
Laughlin Thos. Co., 135 Fore, Portland, Me.
See adv index at end of book
National Marine Lamp Co., Forestville, Conn.
Starr Bros. Bell Co. (Binnacle & Signal), East Hampton, Conn.
Vanadium Metals Co., Vanadium bldg, Pittsburgh, Pa.
Williams E. A. & Son, 109 Plymouth, Jersey City, N. J.

717—Bells (Hand, Dinner, etc.)

East Hampton Bell Co. (Call, Tea, etc), East Hampton, Conn.
Starr Bros. Bell Co. (Auctioneers, School, Tea, etc), East Hampton, Conn.

Bells (Highway Crossing)

See Signals, Railway Crossing

Bells (House)

See Bells, Door & House

717a— Bells (Ship)

Bethlehem Shipbuilding Corporation, Ltd., Bethlehem, Pa.
Greenberg's M. & Son, Folsom & Alice, San Francisco, Cal.
Laughlin Thos. Co., 135 Fore, Portland, Me.
See adv index at end of book
National Marine Lamp Co., Forestville, Conn,

Bells (Light House)

See Bells, Fog

Bells (Locomotive)

See Bells, Engine

Bells (School, Fire & Factory)

See Bells, Church, Farm, Fire & School

718— Bells (Sleigh)

American Ring Co., Waterbury, Conn.
Bevin Bros. Mfg. Co., East Hampton, Conn.
Brabson Bros., 47 Hamilton, Newark, N. J.
East Hampton Bell Co., East Hampton, Conn.
Starr Bros. Bell Co. (Also Body Straps, etc), East Hampton, Conn.

719— Bells (Telephone)

American Electric Co., 6401 S State, Chicago, Ill.
Bevin Bros. Mfg. Co., East Hampton, Conn.
Chicago Telephone Supply Co., Elkhart, Ind.
Holtzer-Cabot Electric Co., 125 Amory, Boston, Mass.
Ladd W. C., Bristol, Conn.
Manhattan Electrical Supply Co., 17 Park pl, New York
Menominee Electric Mfg. Co., Menominee, Mich.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Schwarze Electric Co. ("Schwarze," Loud Ringing Magnets Extension), Adrian, Mich.
Stanley & Patterson Inc., 23 Murray, New York
Utica Fire Alarm Telegraph Co., Utica, N. Y.

719a— Bells (Toy)

Stimpson Edwin B. Co. (also dog collar, etc.), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book

720—Bells & Gongs (Car, Etc.)

Adams & Westlake Co., 319 W Ontario, Chicago, Ill.
American Foundry & Mfg. Co. (Bronze), 11th & Hebert, St. Louis, Mo.
American Tube & Stamping Co., 471 Hancock, Bridgeport, Conn.
Bevin Bros. Mfg. Co., East Hampton, Conn.
Brill J. G. Co. ("Dedenda," Platform Gong "Retriever," Signal Bell), 62d & Woodland av, Phila., Pa.
Consolidated Car Heating Co. (Single Stroke Bells), Albany, N. Y.
Dayton Mfg. Co. ("Dayton," Gong), Dayton, O.
East Hampton Bell Co., East Hampton, Conn.
Electric Appliance Co., 701 W Jackson blvd, Chicago, Ill.
Electric Service Supplies Co. ("Keystone," Pneumatic Gong), 17th & Cambria, Phila., Pa.
Glasgow Iron Co., Pottstown, Pa.
Gong Bell Mfg. Co., East Hampton, Conn.
New Departure Mfg. Co. ("New Departure"), Bristol, Conn.
See adv index at end of book
Pressed Steel Tank Co., Greenfield av, Milwaukee, Wis.
Reiter G. C., 1917 Henry av, S. W., Canton, O.
Ross-Meehan Foundries, Carter, Chattanooga, Tenn.
St. Louis Car Co. ("St. Louis," Bells & Gongs Made of Rolled Steel), 8000 N B'way, St. Louis, Mo.
Starr Bros. Bell Co. ("Bartons"), East Hampton, Conn.
Van Duzen E. W. Co. (Trip), 428 E 2nd, Cincinnati, O.
Wall P. Mfg. Supply Co., 105 Prebleau, Pittsburgh, Pa.
Wallace Supplies Mfg. Co. (Steel Gongs), 1312 Diversey pkway, Chicago, Ill.

721—Bells & Gongs (Unmounted)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Tube & Stamping Co., 471 Hancock, Bridgeport, Conn.
Bevin Bros. Mfg. Co., East Hampton, Conn.
Commercial Shearing & Stamping Co., Youngstown, Ohio
East Hampton Bell Co., East Hampton, Conn.
Gong Bell Mfg. Co., East Hampton, Conn.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Hill N. N. Brass Co., East Hampton, Conn.
Mossberg Frank Co. (Steel & Pressed Brass), Attleboro, Mass.
New Departure Mfg. Co. ("New Departure"), Bristol, Conn.
See adv index at end of book

722—Belt Cleaning & Rebuilding

Raniville F. Co., Grand Rapids, Mich.

723—Belt Conveyor Trippers and Appliances

CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Dodge Mfg. Corp., Mishawaka, Ind.
Goodrich B. F. Rubber Co., Akron, Ohio
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
ROBINS CONVEYING BELT CO., 15 Park row, New York
See adv index at end of book
Stephens Adamson Mfg. Co., Aurora, Ill.

723a— Belt Couplings (Round)

Quadriga Mfg. Co. (for Autos & Motor Cycles), 213 W. Grand av, Chicago, Ill.
See adv index at end of book

724— Belt Dressing

Ackley & Brink Mfg. Co., 123 E Canal, Cincinnati, O.
Akron Belting Co. ("Electric"), Akron, O.
Alexander Bros. Inc., 14 South, Phila, Pa.
Allen, W. D., Mfg. Co. ("Pease Magic"), 201-211 N Jefferson, Chicago, Ill.
Alpha Belt Dressing Co., 14 Cedar, New York
American Oil Co. Corp. ("Amoilco"), Jackson, Mich.
American Oil Co. ("A. O. C."), Dexter rd, Providence, R. I.
American Steam Packing Co. ("American"), 516 Atlantic av, Boston, Mass.
Animal Oil Co. ("Animaloil"), Ontario nr Delaware River, Phila., Pa.
Atlantic Mfg. Co. ("Atlantic" Leather), Wilmington, Del.
Bachmann J. & Co. ("Imperial"), 203 La Fayette, New York
Badger Gas & Gasoline Engine Co., Kansas City, Kans.
Barnum Bros. Co. ("Trojan," "Solar"), Troy, N. Y.
Bayerson Oil Works, Erie, Pa.
Belden A. G. & Co. ("Pycnolum"), 29 Burling slip, New York
Beltine Chemical & Mfg. Co., 6155 Wentworth av, Chicago, Ill.
Black Diamond Mfg. Co. ("Black Diamond"), 1219 Bank, Cincinnati, O.
Buffalo Belt Dressing Co., 962 Kensington, Buffalo, N. Y.
Buffalo Specialty Co. ("Electric"), 375 Ellicott, Buffalo, N. Y.
Burr Oak Belting Co. ("Flexible"), 1103 York, Cincinnati, O.
California Leather Dressing Co., 1574H Market, San Francisco, Cal.
Callahan Geo. & Co. ("Anti-Slip"), 213 Front, New York
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Cantol Wax Co. (Solid & Liquid), Dept H, Bloomington, Ind.
Carton Belting Co. ("Carton"), 52 Everett, Allston, Mass.
Chemical & Engineering Co. ("Red Dragon" Neutral), Watertown, N. Y.
Chesapeake Belting Co. ("Star"), 823 McKim, Baltimore, Md.
Chesterton A. W. Co. ("Excelsior," "India," "Castorol"), 64 India, Boston, Mass.
CHICAGO BELTING CO., 110 N Green, Chicago, Ill.
See adv index at end of book
Chicago Rawhide Mfg. Co., The, 1307 Elston av, Chicago, Ill.
See adv index at end of book
Cleveland Oak Belting Co. ("Durable"), 1239 W. 9th.
Climax Refining Co., Williamson bldg, Cleveland, O.
Cling-Surface Co. ("Cling-Surface," "Erusa" Liquid), 1048 Niagara, Buffalo, N. Y.
Codd Tank & Specialty Co. ("Hug-tight"), 117 S Hanover, Baltimore, Md.
Cold Water Refining Co., Raymelton, Pa.
Commercial Chemical Co. ("X L N C"), 212 Essex, Boston, Mass.
Corliss Mfg. & Supply Co. ("C. C. C."), 1906 Olive, St. Louis, Mo.
Crandall Packing Co., Palmyra, N. Y.
Crescent Belt Fastener Co. ("Handy Bar"), 247 Park av, New York
Damascus Mfg. Co. ("King Brand"), Cassius av, Cleveland, O.
Desmond-Stephan Mfg. Co. ("Stephan"), Urbana, O.
Detroit Oak Belting Co., 3362 Wight, Detroit, Mich.
Dixon Joseph Crucible Co. ("Dixon's" Solid, Traction & Paste), Jersey City, N. J.
Doermann-Roehrer Co. ("Do Ro"), 318 E 3rd, Cincinnati, O.
Druid Oak Belting Co. ("Primo," "Beltnoslip"), 111 E Lombard, Baltimore, Md.
Duryea Mfg. Co. ("W W", "Wooster"), Bayonne, N. J.
Eagle Counter & Leather Co., Hulbert & Freeman, Cincinnati, Ohio
Eagle Oil & Supply Co. ("Eagleine Holdfast," "Victor"), 104 Broad, Boston, Mass.
Ellert C. H., 1200 S. 1st, Evansville, Ind.
Etsweiler Wm. (Electric), 335 Green, Phila, Pa.

FABREEKA BELTING CO. (Special Dressing for Fabric Belting), 529 Eighth av, New York
See adv index at end of book
Fansher Bros. ("Perfection"), Dayton, O.
G. R. Belting Co., Grand Rapids, Mich.
Gallaway G. W., ("Beltine"), 52 Ferry, New York
Gandy Belting Co. ("Gandy"), 726 W. Pratt, Baltimore, Md.
Gingras Edward F., 389 Woodward av, Buffalo, N. Y.
Gold Walter C. ("The Page"), 235 Race, Phila., Pa.
Goodyear Rubber Hose & Packing Co. ("Vulcan"), 621 Chestnut, Phila., Pa.
Graton & Knight Mfg. Co., ("Royal Worcester," "Star Bar"), 244 Franklin, Worcester, Mass.
See adv index at end of book
Great Western Oil Co., 2846 E 37th, Cleveland, O.
Grip-Tite Co. ("Grip-Tite"), New Brunswick, N. J.
Hall-Thompson Co. ("Wonder Worker"), 844 Windsor, Hartford, Conn.
Hercules Belt Lace Mfrs. Co. ("Hercules Tin," Hercules "Stick"), 9 S. Clinton, Chicago, Ill.
Hinds & Coon ("Hug-It"), 45 Purchase, Boston, Mass.
Houghton E. F. & Co. (Adhesive), 240 W Somerset, Phila., Pa.
Hudson Belting Co. ("Hudson Bar," "Number One"), 3 Eaton pl, Worcester, Mass.
Ironsides Co. ("Ironsides" Belt Shield), Columbus, O.
Jewell Belting Co., Hartford, Conn.
Jobbers' Mfg. Co. ("Blue Ribbon"), 327 S La Salle, Chicago, Ill.
Kendall Refining Co., Bradford, Pa.
Laurence Belting Co., 111 Chambers, New York
Lynch Alonzo K. ("Champion"), 310 Flushing av, Brooklyn, N. Y.
McClure Chemical Laboratories, Emeryville, Cal.
McLellan Mfg. Co., 265 W. 23rd, New York
Main Belting Co. ("Leviathan"), 1219 Carpenter, Philadelphia, Pa.
Manufacturers' Belt Hook Co. ("L-X.", "Cracker Jack"), 1321 W Congress, Chicago, Ill.
Manufacturers' Oil & Grease Co. ("Royal"), Century bldg, Cleveland, O.
Modoc Co., Fernwood, Philadelphia, Pa.
Montgomery Bros. ("Paragon"), 22nd & Penrose, Philadelphia, Pa.
Mt. Vernon Belting Co. ("Ease-On"), 327 Wren av, Baltimore, Md.
National Leather Mfg. Co. ("National" Oil & Non-Slip), Niles, Mich.
New York Leather Belting Co. ("Phoenix" Bar), 33 Warren, New York
Nott W. S. Co. ("Diamond"), 2d av N & 3rd, Minneapolis, Minn.
Oleum Products Co., Scranton, Pa.
Olmsted Flint Co. ("Leather Liniment"), Main & Portland, Cambridge, Mass.
Pacific Asbestos & Supply Co. ("Pasco"), 315 Front, Portland, Ore.
Pacific Mill & Mine Supply Co. ("Valqua"), 616 Mission, San Francisco, Cal.
Page Belting Co. ("Crown." for Leather Belts), Concord, N. H.
Palmer N. & Co. ("Charter Oak"), Bridgeport, Conn.
Panama Grease & Oil Co. ("Panama," "Wheatley"), 113 W. 51st, New York
Pechin Belting Co. ("Jim Dandy"), Orchard & Torsdale, Philadelphia, Pa.
Penna. Lubricating Co. ("Penn."), 34th & A. V. R. R., Pittsburgh, Pa.
Peuchen Stanley C., N Tonawanda, N. Y.
Phoenix Oil Co. ("Green Seal" for Rubber & Cotton), 2554 W 5th, Cleveland, O.
Philadelphia Belting Co, 6th & Spring Garden, Phila., Pa.
Pike E. N. & Son ("Flexole"), 93 Broad, Boston, Mass.
Pittsburgh Gage & Supply Co. ("Fort Duquesne"), 30th & Liberty av, Pittsburgh, Pa.
Plomo Specialty Mfg. Co. ("Whitmore's" "Plomo"), Belmont bldg, Cleveland, O.
Raniville F. Co. ("Raniville's Belt Wax." Also Belt Cleaner & Stuffer), Grand Rapids, Mich.
Reed & Duecker ("R. & D."), 171 N. Main, Memphis, Tenn.
Rhoads J. E. & Sons, 57 N. 2nd, Philadelphia, Pa.
Riebe Soap & Chemical Wks., 801 Roy, Seattle, Wash.
Rossendale-Reddaway Belting & Hose Co. ("Camel"), Newark, N. J.
Russia Cement Co. ("Signet"), Gloucester, Mass.
Salisbury W. H. & Co. ("Apex," "Anti-Friction"), 303 N. Madison, Chicago, Ill.
Sawyer Belting Co. (For Canvas Belts), ft. Lisbon rd, S E, Cleveland, O.
Schieren Chas. A. Co. ("Beltfiller," "Flyfoot"), 30 Ferry, New York
Sero Specialty Co., 2860 E. 84th, Cleveland, O.
Shultz Belting Co. ("Shultz"), Fourth & Barton, St. Louis, Mo.
Smith-Courtney Co. ("Powhattan"), Richmond, Va.
Sonneborn L. Sons ("Amalie" Grip Non-Slip Stick & Syrup for All Kinds of Belts), 114 5th av, New York
Southwick Geo. W. Co. ("Polar"), Stamford, Conn.
Standard Oil Co. of N. Y. ("Eureka"), 555 W 25th, New York
Steers Supply Co., 18 Vesey, New York
STEPHENSON MFG. CO. ("Stephenson Bar" Green Label for Rubber or Canvas Belts), Albany, N. Y.
Stevens Grease & Oil Co. (For Jobbing Trade Only), E 79th & Avrina av, Cleveland, O.
Stock G. B. Xylite Grease & Oil Co., Port Huron, Mich.
Street J. D. & Co. ("Street Fraction"), 41st & Park, St. Louis, Mo.
Sullivan Oil Co. ("Sullivan's Economic"), 413 Wells, Chicago, Ill.
Swan & Finch, 165 Broadway, New York
Talismanic Co., N. Tonawanda, N. Y.

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Jackson Belt Fasteners will positively not pull loose,

Are permanent and can be used over and over again,

Can be readily "taken up" if Belts become "slack,"

Know more about the Jackson Belt Fastener and you will find costly delays entailed by the use of rawhide lace and other methods will be entirely dispensed with,

Sell themselves owing to their practical simplicity,

Our Jackson Fasteners are used in every country in the world and in every kind of industry,

No Fastener will hold a Belt as securely and safely as the Jackson.



None genuine unless bearing name "Jackson" or "I. J. Belt Fastener Co."

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Belt Fastener Co., Inc.
51 Barclay Street
NEW YORK, N. Y.

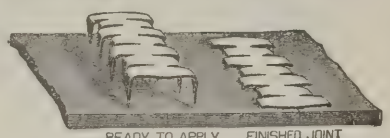
Texas Co. (The), Dept. D, 17 Battery pl, New York
See adv. Index at end of book
Theanoil Mfg. Co., 2628 W. Sergant, Philadelphia, Pa.
Turner Chas. A., 3rd av & Chancery, Pittsburgh, Pa.
U. S. RUBBER CO. ("U. S. Sawyer"), 1790 Broadway, New York
See adv index at end of book
Van Derhvort Hdwe Co., Lansing, Mich.
Victor-Balata & Textile Belting Co., 38 Murray, New York
Viscol Co. ("Viscol," "Clarol," "Lorol," "Tenol," "Traher"), Cambridge, Mass.
Walton F. S. Co. ("Ox-Oil-Ox"), Orthodox & Delaware, Phila., Pa.
Waterproof Paint Co., Watertown, Mass.
Watt's Jno. M. Sons ("Nonpareil"), 54 N 2, Phila., Pa.
White & Bagley Co. ("Neverslip"), 100 Foster, Worcester, Mass.
Whitlock Mfg. Co., 1506 W 112th, Cleveland, O.
Widdicomb-Reed Co., Vestaburg, Mich.
Wing J. T. & Co., 19 Woodward av, Detroit, Mich.
Winn Wm. R. ("Winn"), 483 Cherry, New York
World Refining Co., Easton, Pa.
Zurn O. F. Co. ("Royal," "Peerless"), Broad & Lehigh, Phila., Pa.

725— Belt Fasteners

Alexander Bros. Inc., 14 South, Phila, Pa.
Angell Belt Hook Co. ("Angell Self-Clinching," "Sawilco"), 16H Warren av, Pawtucket, R. I.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Black Diamond Mfg. Co. ("Black Diamond" Hinge), 1219 Bank, Cincinnati, O.
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
BRISTOL CO. ("Bristol's" Steel Belt Lacing, Belt Plates), Waterbury, Conn.
See adv index at end of book
Buffalo Specialty Co. ("Buffalo"), 375 Ellicott, Buffalo, N. Y.
Clipper Belt Lacer Co. ("Clipper" Hooks), 974-1042 Front av, Grand Rapids, Mich.
Columbia Belt Hook Co., 1431 N. 8th, St. Louis, Mo.
Columbia Novelty Co. ("Stag," "Bulldog," "Flexible," "Dixie," Oval Point & Sewing Machine), St. Louis, Mo.
Crescent Belt Fastener Co. ("Crescent"), 247 Park av, New York
Dick R. & J. (Ltd.), ("Walker," "Jackson" Imported), Passaic, N. J.
FABREEKA BELTING CO. (Get our Fastener Recommendations in applying Fabreeka Belting), 120 High st, Boston, Mass.
See adv index at end of book
Flexible Steel Lacing Co. ("Turtle"), 4706 Lexington av, Chicago, Ill.
Forsyth Metal Goods Co., E Aurora, N. Y.
Greene, Tweed & Co. ("Jones," "Jackson's" "Weston" Improved Pointed "Blake's" Studs), 109 Duane, New York
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
Hercules Belt Lace Mfrs. Co., 9 S. Clinton, Chicago, Ill.
Hudson Belt Fastener Co. ("Ideal" Fastener, "Climax" Hooks), 553 Canal, New York
JACKSON BELT FASTENER CO., ISAAC (Inferior imitations of Jackson Belt Fasteners made of grey iron are being offered by other manufacturers. Jackson Fasteners are made of best quality steel and malleable iron. They are not genuine unless the name "Jackson" is stamped in the metal), 51 Barclay, New York
Jencks E. Mfg. Co. ("Hicks" Pointed, etc), 28 Union, Worcester, Mass.
Jewell Belt Hook Co. ("Jones" & "Potter"), Oakwood av & Tolles, Hartford, Conn.
Jones H. H. ("Jones" Hook), Lancaster, N. H.
Kenehan Steel Belt Fastener Co., 1252 W 3d, N W, Cleveland, O.
Kerr & Co. ("A B C" Metallic), 114 Liberty, New York
Manufacturers' Belt Hook Co. ("M. Covel," "Giant," "L-XX" Steel, "Eagle," "Rival," "20 Century" Sewing Machine & Oval Pointed Hooks), 1321 W Congress, Chicago, Ill.
National Ring Traveler Co., (Hook), 257 W Exchange, Providence, R. I.
Parker Wire Goods Co. (Pointed Belt & Sewing Machine Hooks), Worcester, Mass.
Pickering Ridgway S. (Or Belt Hooks), Sharon Hill, Pa.
Pratt Wm. E. Mfg. Co. ("The Chicago" Wire), 35 W Lake, Chicago, Ill.
Raniville F. Co., Grand Rapids, Mich.
Smith F. P. & Co. ("Smithicks," Pointed & Wire Sewing Machine Belt Hooks, etc), Sharon Hill, Pa.
Southwick Geo. W. Co., Stamford, Conn.
Stanley Belting Corpn (All Mawes), 34 S Clinton, Chicago, Ill.
Strong Machy. & Supply Co. ("Chase" **Couplers), 292-294 Church, New York**
See adv index at end of book
Talcott W. O. & M. W. ("Wilson" & Combination Clinching & "Acme"), 91 Sabin, Providence, R. I.
Thatcher Belt Hook Co. ("Thatcher"), 16H Warren av, Pawtucket, R. I.
Titchener-Diehl Co., 1844-48 W. Austin av., Chicago, Ill.
Victor-Balata & Textile Belting Co., 38 Murray, New York
Voorhees Rubber Mfg. Co. (Plate Belt Fasteners or Hooks), 18 Bostwick av, Jersey City, N. J.
Waters-Garland Co. ("Glover's" Belt Hooks"), 419 W Main, Louisville, Ky.

(Continued on following page)

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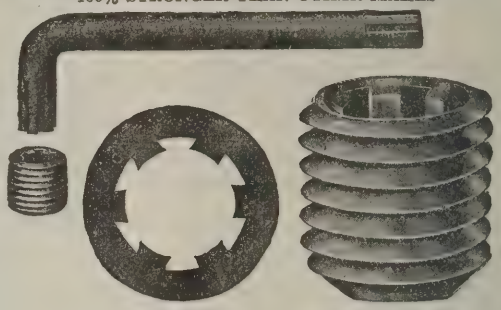

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THE SET SCREWS WITH THE DOVE-TAILED FLUTES
100% STRONGER THAN OTHER MAKES



Belt Fasteners—Continued

Webb Hinge Belt Hook Co. (Hinge Joint), Boonton, N. J.
Western Rawhide & Belting Co. ("Superior" Belt Hook for Round or Flat Belts), 917 Winnebago, Milwaukee, Wis.
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*

726— Belt Filling

Chemical & Engineering Co. ("Red Dragon," Never Slip Belt Food for Filling & Waterproofing Leather & Canvas Belts), Watertown, N. Y.

727— Belt Lacing

Akron Belting Co. (Wire & Rawhide), Akron, O.
Alexander Bros. Inc., 14 South, Phila., Pa.
Allen W. D. Mfg. Co. ("Alenco"), 201-211 N Jefferson, Chicago, Ill.
American Lace Leather Co., Richmond, Va.
Barnes Henry K. Co. ("Crown" Rawhide & "Blueskin" Mineral Tanned), 234 Devonshire, Boston, Mass.
Bay State Belting Co. (Rawhide & Indian Tanned Leather), 349 Congress, Boston, Mass.
Bickford & Francis Belting Co., 34 Pearl, Buffalo, N. Y.
Birdsboro Steel Foundry & Machine Co. (Coiled Steel Wire & Rawhide Pins), Birdsboro, Pa.
Bonner & Barnewall, 30 Church, New York
BRISTOL CO. ("Bristol's" Patent Steel), Waterbury, Conn.
See adv index at end of book
California Tanning Co. ("Neverbreak," Russian Tanned, "Raw Hide," "Indian Tan," "Peerless," "Blue Velvet" Rawhide), 1905 Shenandoah av, St. Louis, Mo.
Central Belting Co., 151 Lafayette, New York
CHICAGO RAWHIDE MFG. CO., 1307 Elston av, Chicago, Ill.
See adv index at end of book

THE CHICAGO RAWHIDE MFG. CO.
1307 ELSTON AVE., CHICAGO, ILL.
Genuine Mechanical Rawhide
Indian Tanned
Vulcanite Krome

Clipper Belt Lacer Co. ("Clipper" System of Wire Hooks), 974-1042 Front av, Grand Rapids, Mich.
Columbia Novelty Co. ("Star" Steel, Golden Rule Wire, Belt Lacing, "Bull Dog," "Flexible," "Dixie Oval Painted & Sewing Machine"), 1431 N. 8th, St. Louis, Mo.
Consolidated Belting Co., Germantown & Berkly avs, Phila., Pa.
Coupe Wm. Corp. (Rawhide & Tanned), 356 Franklin, Worcester, Mass.
Couse & Bolten, 44 Lafayette, Newark, N. J.
Detroit Belt Lacer Co. ("Detroit"), 3951-A., Detroit, Mich.
Detroit Oak Belting Co., 3362 Wight, Detroit, Mich.
Etsweiler William, 335 Green, Phila, Pa.
FABREEKA BELTING CO. (Get our recommendations for Lacing Fabreeka Belting), 120 High st, Boston, Mass.
See adv index at end of book
Flexible Steel Lacing Co. ("Alligator" Flexible Steel), 4706 Lexington av, Chicago, Ill.
Graton & Knight Mfg. Co. (The) "Royal Worcester," "Bar Brand," "Indian Tanned"), 344 Franklin, Worcester, Mass. *See adv index at end of book*
Groezinger's G. Sons ("Helvetia"), Lancaster, Pa.
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
Hayden Supply Co. ("Globe" Wire), Grand Rapids, Mich.
Hercules Belt Lace Mfrs. Co. ("Hercules," Compt. Wire & Cut), 9 S. Clinton, Chicago, Ill.
Holyoke Belting Co. ("Massasoit," "Pequot"), Holyoke, Mass.
Houghton E. F. & Co. ("Vim"), 240 W Somerset, Phila., Pa.
Hudson Belt Fastener Co. ("Perfection" & "O. K." Wire), 553 Canal, New York
Hudson Belting Co. (Rawhide & Indian Tanned Lace), 3 Eaton pl, Worcester, Mass.
Ireson Chas. L. (Leather), 221 High, Boston, Mass.
Jewell Belting Co. (Metallic Tipped), Hartford, Conn.
Kayser Tanning Co. ("Anchor" Raw Hide & Surface Tanned), 3914 N Broadway, St. Louis, Mo.
Kempe H. F. & Co., 565 Washington blvd, Chicago, Ill.
Kerr & Co. (Wire), 114 Liberty, New York
Ladew Edward R. Co. (Leather), 29 Murray, New York
Malin & Co. (Composition Wire), 2514 Vestry av, Cleveland, O.
Manufacturers Belt Hook Co. ("L-X," Composition, "20 Century" Steel, "Eureka" Steel & Flexible, "Rainbow" Wire Belt Lace, "New Eureka," "Climax"), 1321 W Congress, Chicago, Ill.
Missouri Belting Co. ("Victor" Rawhide), Grand & La Salle, St. Louis, Mo.
National Leather Belting Co. (Rawhide), 423 E. 56th, New York
National Leather Mfg. Co. ("Wolverine," "Monogram" Tanned), Niles, Mich.
New York Leather Belting Co. ("Victor," Rawhide "Lion Brand"), 33 Warren, New York
North Chelmsford Machine & Supply Co., North Chelmsford, Mass.
Norwich Belt Mfg. Co. ("Defiance" Rawhide, "Samson," Indian Tanned, "Kromhyde," Chrome Tanned), Norwich, Conn.
Page Belting Co. ("Hercules"), Concord, N. H.
Palmer N. & Co. (Muleskin & Rawhide), Bridgeport, Conn.
Pechin Belting Co. ("Jim Dandy"), Orchard & Torsdale, Phila., Pa.
Philadelphia Belting Co., 6th & Spring Garden, Phila., Pa.
Rahmann Geo. & Co., 31 Spruce, New York
Raniville F. Co., Grand Rapids, Mich.
Rhoads J. E. & Sons ("Tannate"), 57 N. 2nd, Phila., Pa. Works: Wilmington, Del.
Salisbury W. H. & Co. ("Apex" Wire Lacing, "Blue Skin" Leather Lacing), 308 W Madison, Chicago, Ill.
Schieren Chas. A. Co. ("Giant," "Gowanus," "Duxbak"), 30 Ferry, New York
Seattle Belting & Supply Co. ("Gold Medal" Leather), 314 Occidental av, Seattle, Wash.
Shultz Belting Co. (Rawhide Lace Leather), Fourth & Barton, St. Louis, Mo.
Sikes S. R. Co., 1030 S 3rd, Minneapolis, Minn.
Simmons Mfg. Co. (Coiled Wire), 77 & Lyons av, Phila., Pa.
Southern Belting Co., Atlanta, Ga.
Southwick Geo. W. Co., "Fibre Hyde" Romid (Wire), Stamford, Conn.
Sumner Wm. Belting Co. (Leather), Tolland, Conn.
Van Riper Mfg. Co., Paterson, N. J.
Victor-Balata & Textile Belting Co., 38 Murray, New York
Walker Chas. W. Sons & Co. (Lace Leather), 238 Market, Newark, N. J.
Weatherhead, Thompson & Co. (Rawhide), Pawtucket, R. I.
Western Rawhide & Belting Co. (Rawhide), 917 Winnebago, Milwaukee, Wis.
Williams I. B. & Sons ("Cocheco" Rawhide & "Oriole" Tanned), Dover, N. H.

728— Belt Lacing Machines

Birdsboro Steel Foundry & Machine Co. ("Jackson" Coil Wire), Birdsboro, Pa.
Clipper Belt Lacer Co. ("Clipper," "Baby"), 974-1042 Front av, N W, Grand Rapids, Mich.
Detroit Belt Lacer Co. ("Detroit"), 3951-A, Detroit, Mich.
Manufacturers Belt Hook Co. ("Climax" **Flexible Steel," 20th Century"), 1321** W. Congress, Chicago, Ill.
Peerless Belt Lacing Machine Co., Swanson & Moore, Phila., Pa.

729—*Belt (Linemen's Tool)

Buhrke, R. H., Co., 1250H Fullerton av., Chicago, Ill.
SMITH & HEMENWAY CO. INC. ("Red Devil"), 261 W. B'way, New York, 130 W. Colt, Irvington, N. J.
See adv index at end of book

Belt Preservatives

See Belt Dressing

730— Belt Shifters

Artisan Mfg. Co. ("Safshift"), 839 W. 6th, Lockland, O.
Berry Machine & Supply Co., 289 W Santa Clara, San Jose, Cal.
Brown A. & F. Co., 79 Barcley, New York.
Builders Iron Foundry ("Universal Pull"), 9 Codding, Providence, R. I.
Cresson-Morris Co., Allegheny & 18th, Phila., Pa.
Hagan L. T. ("Economy"), Winchester, Ky.
Hill Clutch Machine & Foundry Co., W. 65th st, Cleveland, Ohio
Le Blond R. K. Machine Tool Co. ("Le Blond" Mechanical), Cincinnati, O.
Mason Regulator Co. ("Mason"), 1192 Adams, Boston, Mass.
Surty Guard Co., Inc., (For Cone Pulleys), 4139 W. Kinzie, Chicago, Ill.
Wolf Co., Chambersburg, Pa.
Wood's T. B. Sons Co., Chambersburg, Ua.

Belt Stretching Machines

See Machinery

Belt Studs

See Belt Fasteners

731— Belt Tighteners

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Tool & Machine Co., 10 High, Boston, Mass.
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Brown A. & F. Co., 79 Barclay, New York
Burlingame A. Co., 149 Commercial, Worcester, Mass.
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Caldwell W. E. Co., Louisville, Ky.
Cresson Morris Co., Allegheny & 18th, Phila., Pa.
Diamond Iron Works, 2d & 18th av, Minneapolis, Minn.
Dodge Mfg. Corp., Mishawaka, Ind.
Falls Clutch & Machy. Co., Cuyahoga Falls, O.
Goddell-Pratt Co., Greenfield, Mass.
Golden's Foundry & Machine Co., Columbus, Ga.
Great Western Mfg. Co., Leavenworth, Kan.

Hill Clutch Machine & Foundry Co., automatic, W 65th, Cleveland, O.
Hoggson & Pettis Mfg. Co. ("Porter"), New Haven, Conn.
Hunt Rodney Machine Co., Orange, Mass.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
JONES W. A. FOUNDRY & MACHINE CO., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book
Jones & Laughlin Steel Co., Ross, Pittsburgh, Pa.
Lane Mfg. Co. (Swing & Slide), Montpelier, Vt.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Manufacturers Belt Hook Co., 1321 W. Congress, Chicago, Ill.
Marseilles Works of Deere & Co., East Moline, Ill.
Medart Company, The, (various kinds), 3500 De Kalb, St. Louis, Mo.
See adv index at end of book
Memphis Machine Works, Memphis, Tenn.
berry Station, Baltimore, Md.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Poole Engineering & Machine Co., Wood-
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
Stanley Belting Corp, 34 S Clinton, Chicago, Ill.
Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.
U. S. Machine Co., Williamsport, Pa.
Walker Mfg. Co., 2156 15th, Denver, Colo.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book
Weller Mf. Co., 1856 N Kostner av, Chicago, Ill.
Wolf Co., Chambersburg, Pa.
Wood's T. B. Sons Co., Chambersburg, Pa.

732— Belt Webbing

Buffalo Weaving & Belting Co., 215 Chandler, Buffalo, N. Y.
Hope Webbing Co., 1005 Main, Providence, R. I.
Humphrys, R. A., Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Rochester Woven Belting Corp., East Rochester, N. Y.
Russel Mfg. Co. ("Rusco" for Power Transmission), Dept. H, Middletown, Conn.

733—Belting Butts (Leather)

Central Leather Co., 17 Battery pl, New York
CHICAGO RAWHIDE MFG. CO., THE, (Rawhide Chrome), 1307 Elston av, Chicago, Ill.
See adv index at end of book
Deford Co. (Oak Bark Tanned), Continental bldg, Baltimore, Md.
England Walton & Co. (Oak Scoured), 3d & Vine, Phila., Pa.
Golden West Furniture Mfg. Co. ("Miesner" Player Piano Bench), 2912 Shattuck av, Berkeley, Cal.
Kistler, Lesh & Co. ("Dependable" Oak & Union Tanned Rough), 332 Sumner, Boston, Mass.
Leas & McVitty (Scoured Texas Oil), 303 Vine, Phila., Pa.
McAdoo & Allen, 329 N 3d, Phila., Pa.
Smoot C. C. & Sons (Rough), Alexandria, Va.
Toxaway Tanning Co. (Rough), 26 Ferry, New York
United States Leather Co. (Oak Tanned), 17 Battery pl, New York
Wilson Co., Greenville, N. C.

734— Belting Mfrs.

See also Classifications Following

NOTE—The Various Kinds of Belting Manufactured by the Firms listed under this heading are indicated in the parentheses following their names.

For Dealers in Belting, see Mill & Factory Supplies

CALIFORNIA.

LOS ANGELES—California Belting & Leather Co. (Leather), 165 N Los Angeles
Davis, C. R., Co. ("Pacific" and "Hygrade" Leather), 413 Boyd
Dominion Asbestos & Rubber Corp., 320 Mission *See adv index at end of book*
Goodyear Rubber Co., Citizens Bank bldg
Hendrie W. C. Co. (Leather), 340 Crocker
Los Angeles Rubber Co. (Leather), 124 E 3d
Smith Em Co. ("Emsco"), 612-40 S Clarence
Warren & Bailey Co., (Leather), 214 E 3d
SAN FRANCISCO—Cook H. N. Belting Co., 401-423 Howard
Degen, L. P., Belting Co. ("Star" Oak Tanned Leather), 258 Mission
Dominion Asbestos & Rubber Corp., 320 Market.
See adv index at end of book
Goodyear Rubber Co. (Rubber), ("Apex," "Hippo," "Gold Seal," "Badger"), 539 Mission

GOODYEAR RUBBER CO.
BELTING - HOSE - PACKING
539 MISSION ST.
SAN FRANCISCO, CAL.

Graton & Knight Mfg. Co., 247 Mission.
See adv index at end of book
Heins Alex. Belting Co. (Leather & Rawhide), 2413 Harrison
Kelly-Linehan Belting Co. ("Royal Oak"), 33 Minna
California Branch of Chicago Belting Co.
Pacific Mill & Mine Supply Co., 616 Mission
Page Belting Co. (Rubber, Cotton & Leather), 539 Mission
Pioneer Rubber Mills ("Copper Queen," "Sunset," "Golden Gate" Rubber), 68 Sacramento
Worden W. H. Co. (Cal. Branch of Chicago Belting Co.)

CONNECTICUT.

BRIDGEPORT—Palmer N. & Co. ("Charter Oak," "Water Witch," "Climax" & "Apex")
HARTFORD—Jewell Belting Co. (Leather)
MIDDLETOWN—Russell Mfg. Co. ("Rusco" Solid Cotton), Dept. H
NEW HAVEN—Coe & Brown (Leather), 204 George
NORWICH—Norwich Belt Mfg. Co. (Oak Tanned)
Ulmer Leather Co. ("Sachem" Oak Leather)
STAMFORD—Southwick Geo. W. Co. (Reinforced Double)
TOLLAND—Sumner Wm. Belting Co. ("Underwood," Patent Cotton Leather Belting, Watch Twist, Angular or V, Round Solid, Plain Cotton & Round Twist)

DELAWARE.

WILMINGTON—Atlantic Mfg. Co.

GEORGIA.

ATLANTA—Cotton States Belting & Supply Co.
Southern Belting Co. (Leather)

ILLINOIS.

CHICAGO—**ALLEN W. D. MFG. CO.** (Leather, "Ajax," "Alenco," "Arrow," "Arm & Hammer," "Otter," "Mikado," "Yale," "Defiance," "Three Star," "U. S. Western Chief"), 201-211 N Jefferson st



W. D. ALLEN MFG. CO.
Short Lap, Oak Tanned
Leather Belting
Factory and Warehouse
201-211 North Jefferson Street
CHICAGO

Atlantic India Rubber Works (Leather, Rubber, Cotton & Canvas), 1453 W Van Buren
CARPENTER & CO., GEO. B. (Old Colony Rubber), 434 N Wells st
See adv index at end of book

The Index to Trades is the key to the vast stores of information in
HENDRICKS' COMMERCIAL REGISTER
Always Use It

CHICAGO BELTING CO., 110 N Green
See adv index at end of book

Chicago Belting Company
Manufacturers of
Leather Belting
Pre-tested, guaranteed, highest quality leather belting for every industrial drive condition. Made of oak, chrome and special tannage leathers, featuring standard leather belting, stretchless leather belting, waterproof leather belting, thresher belting, oil well belting and acid resisting belting.
Leather Belting Accessories
Including liquid belt dressing, stick belt dressing, regular and waterproof leather belt cements, round twist and patent round leather belting, V shaped belts and automobile fan belts.
Mechanical Leather Specialties
Including pump leathers, leather packings, air brake leathers, hydraulic leathers, leather halters, leather hame straps, straps of all kinds, leather gaskets and special mechanical leathers of all descriptions.
Chicago Belting Company
New York Boston Pittsburg Cleveland Milwaukee Rockford — New Orleans Los Angeles San Francisco Portland, Ore. Seattle, Wash. Atlanta
Manufacturers of Leather Belting
110 North Green Street
Chicago, U.S.A.

Chicago, Pulley & Shafting Co. (Dirs., Leather), 29 N. Desplaines
CHICAGO RAWHIDE MFG. CO., THE, (Chrome-Rawhide-Oak), 1307 Elston av
See adv index at end of book

THE CHICAGO RAWHIDE MFG. CO.
1307 ELSTON AVE., CHICAGO, ILL.
Tanners and Manufacturers
Belting
Vulcanite Krome—Oak Tanned
Mechanical Rawhide

Clinton Supply Co., 117 S Clinton
Eagle Belting Co., 553 W Randolph
FABREEKA BELTING CO. (Complete Stocks carried to take care of Middle Western requirement), 170 North Franklin
See adv index at end of book
Fensholt & Fechner, 16 S Clinton
Hercules Belt Lace Mfg. Co. ("Hercules"), 9 S. Clinton
Lynch Edw. & Co. (Leather), 31 S Clinton
McCanley Belting Co. ("Shield" & "Marine" Leather), 413 Orleans
Moloney Belting Co. ("M" Leather), 130 N Franklin
Paris Belt & Novelty Co. (Leather), 231 N Wells
Rockford Belting Co., Rockford, Ill.
Salisbury W. H. & Co. (Leather), 308 N Madison av
Schieren Chas. A., Co., 116H W. Illinois
Stanley Belting Corp., 13-15 N Jefferson
Union Asbestos & Rubber Co. (Rubber, Jobbers), 351 E Ohio
See adv index at end of book

INDIANA.

EVANSVILLE—Evansville Leather & Belting Co. (Leather), 429 Sycamore
FORT WAYNE—Wayne Belting & Supply Co.
National Mill Supply Co.
HAMMOND—McIlroy Belting & Hose Co. ("Rubber-Ite" Canvas)
INDIANAPOLIS—Duckwall Belting & Hose Co. ("Duro" Leather), 201 N West

(Continued on following page)

Belting Mfrs.—Continued

INDIANAPOLIS—Hide, Leather & Belt Mfg. Co. ("Volt" Machine Oak Tanned, "Wetprufe" Waterproof Dynamo Leather & "Old Faithful" Interproof), 227 S Meridian

KENTUCKY.

LOUISVILLE—Cowan Andrew & Co. ("Tiger" Leather)

LOUISIANA.

NEW OLEANS—Southern Belting Co. of New Orleans (Leather), 602 S Peters

SHREVEPORT—Gulf States Belting & Hose Co. (Leather)

MAINE.

LEWISTON—Dickey Belting Co. (Leather)

MARYLAND.

BALTIMORE — Baltimore Belting Co. ("Balto-belt" Oak Bark Tanned and "Navy Special"), 23 S Gay

Chesapeake Belting Co. (Stitched Canvas), 323 McKim

Dominion Asbestos & Rubber Corp. (Leather, Rubber, Balata, Canvas & Asbestos), 413 E. Pratt

See adv index at end of book

Druid Oak Belting Co. ("Druid Primo" Pure Chestnut; Oak Tanned, Acid, Water & Steam Proof), 111 E Lombard

Gandy Belting Co. ("Gandy" Stitched Cotton Duck, "Dixie," "Thermo-Gandy" & Tractor), 726 W. Pratt

Maryland Belting & Packing Co. (Leather)

Mount Vernon Belting Co. ("Mt. Vernon" & "Obstitch" Stitched Canvas), 327 Wren

MASSACHUSETTS.

BOSTON—Barnes Henry K. Co. (Oak & Mineral Tanned Leather, Steam & Water Proof), 234 Devonshire

Bay State Belting Co. (Oak & Indian Tanned Leather), 349 Congress

Boston Belting Corp. ("Imperial" Stitched, "Excelsior Red Friction," "Elmwood," "Special Excelsior," "Boston," "Niagara," "Trimount," "Universal," "Gutta Balata," "Flexite Balata," Conveyor, Elevator), 80 Elmwood

Carlton Belting Co. (Stitched Canvas, "Nitrac" Tractor), 52 Everett, Allston

FABREEKA BELTING CO. (The Home of Fabreeka Belting), 120 High

See adv index at end of book

Globe Leather Belting Co. (Leather), 185 Summer

Ireson Chas. L. ("Anhydrous" Chrome & Tanned Leather), 221 High

Revere Rubber Co. (Giant, Seamless & Stitched Rubber), 60 High

Shackley W. T. & Son Co. ("Velvet" Oak Tanned Leather), 523 Atlantic

CAMBRIDGE—Boston Woven Hose & Rubber Co. ("Perfection" Rubber Belting Constructed of Fine Closely Woven Duck; also "Bull Dog," "Dandy," "Helmet," "Plymouth," "Bay State," "Service," "Raw," "Tiger," "Bison," "Vigo," "Utah," "Congress," & "Senate" Belting)

Olmsted Flint Co. ("Pacemaker," "Steerstock," "Velocity," "Pace-Arrow," "Velop" Leather), Main & Portland

CHELSEA—Revere Rubber Co. (Giant Seamless & Stitched Rubber)

FALL RIVER—Hervey F. L. & Co. (Oak Tanned Leather)

Union Belt Co. (Oak Tanned)

HOLYOKE—Holyoke Belting Co. (Short Lap Oak Leather & Submarine & Waterproof Leather)

HUDSON—Foulds I. & Son (Chrome Waterproof Leather)

LAWRENCE—McLanathan F. W. & Son (Leather)

LOWELL—Turner J. S. Mfg. Co. ("Royal Oak" Oak Tanned Leather)

Wilby Wm. Estate, 68 Washington

Whiting Henry F. (Oak Tanned Leather)

NORTH CHELMSFORD—North Chelmsford Machine & Supply Co. (Oak Tanned Leather)

SPRINGFIELD—Springfield Belting & Supply Co. (Leather)

Foss & Bump Inc. (Leather), 53 Union

WORCESTER—Graton & Knight Mfg. Co. ("Spartan," "Neptune," "Graknight," "Graknight Dynamo," "Sparook," "Sparook Planer," "Neptune Dynamo," "Special Planer," "Heart," "Pryzoak," "Cylinder," "Extra Short Tap"), 244 Franklin

Hudson Belting Co. ("Hudson Extra," "Climax," "Rival," "Star," "Ratan," "Planer," "Light Double," "English Black," "Hydro," Steam Proof, "Mermaid" Waterproof Stretched Oak & Indian Tanned Lace), 3 Eaton pl

Warren Belting Co. ("B & F"), Dept H, 33 Arctic

MICHIGAN.

DETROIT—Central Distributing Co., 944-950 Harper av

Detroit Leather Works, 683 E. Lafayette

Detroit Oak Belting Co. ("Naiad" Leather Oak Tanned, Short Lap), 3362 Wight

Edwards, H. D., & Co. (Leather), 175 E Larned

Wing J. T. & Co. (Oak Tanned Leather), 19 Woodward av

GRAND RAPIDS—Ranlville F. Co. (Flat Rounded, Twisted, Built Up Solid Rounded; Acid Proof Water & Oil Proof & Sewing Machine Leather Belting)

JACKSON—Central Distributing Co.

MUSKEGON—Howe Chain Co. (Chain Link), Dept. H

NILES—Acme Belting Co. ("Black Diamond," "Atlas" Canvas, Stitched)

National Leather Mfg. Co. ("National" Tan & Full Oak Tan, etc)

MINNESOTA.

MINNEAPOLIS—Nott W. S. Co. ("Diamond," "Notts Extra," "Special Tanned," "Short Lap," "Dynamo" Oak Tanned Leather), 2d av N & 3d

Plant Rubber Co. (Rubber), 322 1st av N

Sikes S. R. Co. (Leather), 1030 S 3rd

MISSOURI.

KANSAS CITY—United States Rubber Co. (Rubber), (Mechanical Goods Division), 1520 Main

Webb Bros. Belting Co. (Oak Tanned Leather), 1507 W 12th

ST. LOUIS—Byrnes Belting Co. (Leather, Canvas & Rubber), 226 Plum

Cornelius Mill Furnishing Co. (Oak Tanned Leather), 1119 N 6th

Dominion Asbestos & Rubber Corp.

See adv index at end of book

General Mfg. Co. (Leather), 1304 Pine

Missouri Belting Co. (Oak Tanned Leather), Grand & La Salle

Shultz Belting Co. ("Shultz" Rawhide & Woven Leather), Dept H, 4th & Barton

Union Belting Co., 400 N 2nd

NEW HAMPSHIRE.

CONCORD—Page Belting Co. (Leather)

DOVER—Williams I. B. & Sons ("Cocheco," Oak-Tanned Leather)

NEW JERSEY.

BAYONNE—Duryea Mfg. Co. (Woosters Cotton Waterproof)

BLOOMFIELD—Combination Rubber Mfg. Co. ("Indestructine," Bloomfield," "Franklin," "Mandarine," "Glenwood," "Essex," & "Trinity" Rubber)

Crisp Jas. & Co. (Round & Twist, etc)

HAMILTON SQUARE—Mercer Rubber Co. ("Mercer," "Hudson," "Salem," "Essex")

JERSEY CITY—Eureka Fire Hose Mfg. Co. (Cotton Machine), Wilkinson av

N. J. Car Spring & Rubber Co. ("Arcadia," "Car Spring," "Reliable," "Staple," "Gibraltar," "Velva," "Gladiator"), 91 Brunswick

Smyth Rubber & Packing Co. (Jbrs.), 512 Mercer

Voorhees Rubber Mfg. Co. (Rubber, "Criterion," "Union," "Federal," "Bostwick," "American," "High Speed," "Corliss," "Sensation," "Clairmont," "Power"), 18 Bostwick av

NEWARK—Couse & Bolten (Oak Tanned Leather), 44 Lafayette

Fenwick-Reddaway Mfg. Co. (Hair), 46 Paris

Meier-Andres Belting Co. (Leather), 128 Mulberry

Meier's Joseph Sons (Leather, "Steer Brand"), 256 Market

Rossendale-Reddaway Belting & Hose Co. ("Sphinx" & Other Brands of Stitched Canvas Belting; also the "Camel Hair"), Euclid av

Scandinavia Belting Co. ("Scandinavia" Solid Woven Cotton), 228 High

Walker Chas. W. Sons & Co. (Oak Tanned Leather), 288 Market

PASSAIC—Dick R. & J. (Ltd.) ("Dickbelt," Original Balata Belt)

Manhattan Rubber Mfg. Co. ("Condor" Rubber)

PATERSON—Van Riper Mfg. Co. (Oak Leather)

TRENTON—Acme Rubber Mfg. Co. (Rubber)

Empire Tire & Rubber Corp. ("Alabama," "Amazon," "Empire's Best," "Empire Friction," "Indestructible," "La Salle," "Merrimac," "Model," "Monitor" & "Standard," Rubber Stitched or Plain), Trenton

Hamilton Rubber Mfg. Co. (Rubber)

Home Rubber Co. (Rubber)

Machine & Tool Equip. Co. (Jobbers), 317 Perry

United & Globe Rubber Co. ("U & G" Rubber), Dept H

Whitehead Bros. Rubber Co. (Rubber)

Woven Steel Hose & Rubber Co, (Rubber)

NEW YORK.

AUBURN—Columbian Rope Co. (Rope), 3050 Genessee

BUFFALO—Bickford & Francis Belting Co. ("B, C & D" & "B & F" Leather), 34 Pearl

Buffalo Belting Works (Leather), 18 Ellicott

Buffalo Weaving & Belting Co. ("Modern Nuave"), 215 Chandler

Globe Woven Belting Co., 1396H Clinton

Hewitt Rubber Co. (Rubber & Stitched)

Modern Weaving & Belting Co. (Cotton), 123 Arthur

Peerless Belting Co., Indian Church rd

EAST ROCHESTER — Rochester Woven Belting Corp.

LOCKPORT—Empire Mfg. Co. ("Empire" Solid Cotton)



"U.S." PILOT BELTING

United States Rubber Co.

1790 Broadway, New York

Branch Offices Listed in Advertisers' Index

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Brooklyn Leather Belting Co., 81 S. 6th

North Side Leather Belting Co., Inc., 248 Lorimer

Reinhold Belting & Supply Co. (Leather), 444 Atlantic av

Boroughs of Manhattan and Bronx.

NEW YORK—Bachmann J. & Co. (Oak Tanned Short Lap Leather), 203 Lafayette

Ballard Stephen Rubber Co., 90 W B'way

Bonner & Barnewall ("Perfection," Oak Tanned Leather), 440 Lafayette

Boyle John & Co. (Solid Woven Cotton, Rubber Filled), 112 Duane

Central Belting Co. (Leather), 151 Lafayette

Cuming Henry B., 207 Center

Darcoid Company ("Domino," "Sovereign," "Regent" Leather, Rubber, Balata, Canvas, Asbestos), 1780 Broadway

See adv index at end of book

FABREEKA BELTING CO. (All sizes up to 16 in. carried in Fabreeka Belting Stock), 523-29 Eighth av

See adv index at end of book

Fairbanks Co. (Jobbers in Leather), 416 Broome, New York

Fay Belting Co., 151 Lafayette

Goodrich B. F. Co. ("Goodrich," "Pilgrim," "Pinnacle," "Cycle," "Rob Roy," "Marathon"), 1780 B'way

Goodyear Rubber Co. & Rubber Clothing Co. (Rubber), 787 B'way.

Gutta Percha & Rubber Mfg. Co. ("Maltese Cross," "Red Strip," "Montana," "Mohawk," "Sagamore" Rubber, "Montana" Stitched, Duck, Seamless Cover, "Saturn," "Wallabout"), 350 Madison av

Hauschildt & Ekins, 222 Center

Johnson Belting Co. (Leather), 423 E 56th

Ladew Edward R. Co. ("Hoyt," "Flintstone" Short Lap Oak Tanned Belting), 29 Murray

Laurence Belting Co. ("Pyramid," "Essex"), 111 Chambers

Maguire Rubber Co., 200 5th av

Manhattan Belting Co. (Leather), 42 Bond

Mechanical Rubber Co. (Rubber), 1790 Broadway

National Leather Belting Co. (Oak Tanned), 423 E. 56th

NEW YORK BELTING & PACKING CO. ("Test Special"), 91 Chambers

New York Leather Belting Co. ("Phoenix" Leather), 33 Warren

Phila. Belting Co., 17 Battery pl

Rahmann Geo. & Co. (Leather), 31 Spruce

Robins Conveying Belt Co. (Rubber), 15 Park row

See adv index at end of book

Schieren Chas. A. Co. ("Royal Extra," "Bulls Head," "Electric" Oak Tanned & "Duxbak" Steam & Water Proof "Eagle," "Casco," "Rockoak," "Dixie"), 30 Ferry

Schwartz Belting Co., "Supple," "Atlantic," "Axiom Dynamo," "Axiom Heavy," "Axiom," "Extra Heavy," "Globe," "Pacific," "H 20 Waterproof"), 76 Murray

Shoemaker W. H. & Son (Rondo & Oak Tanned Leather Belting), 36 Vesey

STRONG MACHINERY & SUPPLY CO. ("Tisafine," "Kingfisher"), 292-294 Church

See adv index at end of book

U. S. Rubber Co. ("Bengal" Rubber), 1790 Broadway
See adv index at end of book

"U. S." Rainbow BELTING
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

Zimmer Conrad Belting Co. (Leather), 37 Spruce

(End of New York City)

PALMYRA—Crandall Packing Co.
ROCHESTER—Cross Bros. & Co. (Leather)
Empire Weaving & Belting Corp. ("Tuftex" Solid Cotton), East Rochester
Forster John M. Co. (Leather)
SYRACUSE—Barnes & Irving Inc. (Dirs.), 565 S Clinton
Syracuse Supply Co. (Dirs., Oak Tanned Leather), 314 W Lafayette
TROY—Barnum Bros. Co. ("Tan-Rex," "Rex," "Barbraco" Leather)
Troy Belting & Supply Co. (Leather)
UTICA—Smyth Despard Co. ("Royal Oak" Tanned Leather, "Chieftain," "True Oak," "Waterwitch," "Ute")

NORTH CAROLINA.

CHARLOTTE—Charlotte Leather Belting Co.

OHIO.

AKRON—Akron Belting Co. (Leather, "Akron" Brand)
Goodrich B. F. Rubber Co. (Rubber, "Commander," "Goodrich," "Pilgrim," "Pinnacle," "Cycle," "Rob Roy," "Marathon")
Goodyear Tire & Rubber Co., Inc. ("Good Year," "Klingtite," "Glide"), 1144 E Market
CINCINNATI — Burr Oak Belting Co. ("Burr," Oak "Square Deal" Tanned Leather), 1103 York
Cincinnati Rubber Mfg. Co., The ("Arno," "Broncho," Rubber Covered "Pawnee," Stitched, Oil Well Drilling and Pumping, "Pacemaker" Axlelighting, "Pacemaker" Hog Scraper, Grader, specially made to order; Projector "Pacemaker," Magnetic Separator "Pacemaker"), Norwood, Cincinnati, Ohio
See adv index at end of book
Curry J. W. Co. ("Curry" Fabric, Endless), 2615 Cummins
Dominion Asbestos & Rubber Corp., Neave bldg.
See adv index at end of book
Eagle Counter & Leather Co. (Leather), Hulbert & Freeman
Franklin Cotton Mill Co. (Cotton), Plum & Charles
Regal Belting Co. (Leather), 2520 Spring Grove av
CLEVELAND—Buckeye Belting & Supply Co. (Leather), 1560 W 3rd
Cleveland Fabric Belting Co., 1471 W 110th
Cleveland Oak Belting Co. ("Durable" Leather), 1239 W. 9th
Hull Leather Belting Co., 1510 University
Mau-Sherwood Supply Co. ("Republic," "Erie" Oak Tanned Leather), 1616 W 3rd
Sawyer Belting Co. (Canvas Stitched), Ft. Lisbon, S E
COLUMBUS—JEFFREY MFG. CO. ("Century" Rubber), 961 N Fourth
See adv index at end of book
ELYRIA—National Belting Co. ("Textol" Canvas)
SPRINGFIELD—Bretney H & Co. (Leather),
TOLEDO—Hettrick Mfg. Co. ("Hettrick's" "Inner Duck")
YOUNGSTOWN — Republic Rubber Co. "Mercury," "Republic," "Powerful," "Invader," "Tampico" Oil Well & Thresher), Dept H

OREGON.

PORTLAND—Goodyear Rubber Co., 61 4th
Jones & Bruening, Inc. (Leather), 27 2d
Lambert Multiplus Co., 110 Union av
Pacific Asbestos & Supply ("Pasco" & "Scott-Davis" Leather), 315 Front

PENNSYLVANIA.

MANHEIM—Manheim Mfg. & Belting Co. ("Veelos")
NORRISTOWN—Montgomery Belting & Supply Co. (Leather), 147 W Main
PHILADELPHIA—Alexander Bros., Inc. (Oak Tanned), 14 South
Barlow Bros. (Leather), 543 N 64th
Billington J. H. Co. ("Danforth" Leather), 113 Chestnut
BOND CHAS. CO., 617-619 Arch
Brown D. P. & Co. ("Teon," made in England), 264 N 4th
Consolidated Belting Co. (Leather Waterproof), Germantown & Berkly
Covell W. International Leather Belting Corp., 412 S 45th
Dominion Asbestos & Rubber Corp. (Leather, Rubber, Balata, Canvas, Asbestos), 502 E. Johnson
See adv index at end of book
Etsweiler William ("Alas Balata," Leather), 335 Green
FABREEKA BELTING CO. (Local Sales Office and Stock Room), 514 Arch
See adv index at end of book
Fisher Leather Belting Co., 325 N. 3rd
Gilmer L. H. Co., Cottman & Keystone
Goodall Rubber Co. (Rubber), 8th & Locust
Goodrich B. F. Co. ("Goodrich," "Pilgrim," "Pinnacle," "Cycle," "Rob Roy," "Marathon") Broad & Sp. Garden
Himmelien & Bailey (Leather), 248 Chestnut
Hood R. H. Co. ("Marathon" Leather), 1842 Germantown av
Industrial Requirements Co. ("Apex" Chrome & "Irco" Oak Leather), 2544 Germantown
Johns H. W.-Manville Co. ("J-M," Rubber & Duck), 23 N 2d
Main Belting Co. ("Leviathan," Canvas), 1219 Carpenter
Paulus Jos. C. & Co. (Leather), 2507 Potter
Pechin Belting Co. ("None-Such" Oak Leather & Chrome), Orchard & Torsdale
Phila. Belting Co., 6th & Spring Garden
QUAKER CITY RUBBER CO. ("Atlantic," "Crown," "Edgewater," "Hercules," "Ironsides," "Quaker City," "Standard," "Desert," "Redskin," "Rhinoceros," Friction Clad Rubber Belting), 3927 Comly
See adv index at end of book
Restein, Clement Co. (Rubber, etc), 139 N 2d
Rhoades J. E. & Sons, 57 N. 2nd, Works: Wilmington, Del.
Smith Manning J. Belting Co., Church & Lena
PITTSBURGH—Colonial Supply Co. (All Kinds), 217 Water
See adv index at end of book
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa. *See adv index at end of book*
Hartley-Ross Belting Co. (Leather), 425 1st av
WILLIAMSPORT—Slate's Geo. Sons
Williamsport Leather Goods Co.

RHODE ISLAND.

BRISTOL—National India Rubber Co. (Rubber)
PAWTUCKET—Bucklin C. R. Belting Co.
Weatherhead, Thompson & Co. (Leather)
PROVIDENCE—MacWatty Belting Co., 7 Beverly
Narragansett Belting Co. (Leatner), 68 W Exchange

TENNESSEE.

MEMPHIS—Reed & Duecker ("U. S." Oak Tanned Leather & "Hippo." Waterproof Leather Belting), 171 N. Main

TEXAS.

FORT WORTH—Fort Worth Well Machy. & Supply Co.
SHERMAN—Hardwicke Etter Co. (Leather)

VIRGINIA.

RICHMOND — Richmond Leather Mfg. Co. (Leather)
Virginia Leather Co. (Oak Tanned)

WASHINGTON.

SEATTLE—Dominion Asbestos & Rubber Corp. *See adv index at end of book*
General Belting Co. (Leather), Maritime bldg
Pacific Belting Co. ("Royal Washington" Brand), 5220 20th av N W
Seattle Belting & Supply Co. ("Black Swan" & "Olympic" Rawhide), 314 Occidental av
SPOKANE—Nott-Atwater Co., 157 S Monroe

WISCONSIN.

MILWAUKEE—Milwaukee Leather Belting Co., 146 W Water
Rasmussen Julius, 111 W Water
Western Raw Hide & Belting Co. ("White" Rawhide & "Superior" Surface Tanned), 917 Winnebago

735—Belting Mfrs. (Acid Proof)

Acme Belting Co. ("Black Diamond" Canvas Stitched), Niles, Mich.
Alexander Bros. Inc. ("Flexo" Type), 14 South, Phila., Pa.
Asbestos Materials Corp., Millington, N. J.
Chesapeake Belting Co., 823 McKim, Baltimore, Md.
CHICAGO BELTING CO., 110 N Green, Chicago, Ill.
See adv index at end of book
Chicago Rawhide Mfg. Co., The, 1307 Elston av, Chicago, Ill.
See adv index at end of book
Combination Rubber Mfg. Co. ("Indestructine"), Bloomfield, N. J.
Darcoid Company ("Dominion," "Sovereign," "Regent"), 1780 Broadway, New York *See adv index at end of book*
Dick R. & J. (Ltd.) ("Dickbelt," Original Balata Belt), Passaic, N. J.
Druid Oak Belting Co. ("Dobco" Oak Tanned), 111 E. Lombard, Baltimore, Md.
Empire Tire & Rubber Corp., Trenton, N. J.
FABREEKA BELTING CO. (Fabreeka, an acid-resisting belt—gives longer service in chemical plants and dyehouses—used by largest concerns), 120 High, Boston, Mass.
See adv index at end of book
Fenwick-Reddaway Mfg. Co. (Hair), 46 Paris, Newark, N. J.
Graton & Knight Mfg. Co. ("Spartan"), 244 Franklin, Worcester, Mass.
Goodall Rubber Co., 8th & Locust, Phila., Pa.
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Hide Leather & Belt Mfg. Co. ("Wetprufe" & "Old Faithful"), 227 S Meridian, Indianapolis, Ind.
Home Rubber Co., Trenton, N. J.
Jewell Belting Co. (Chrome Tanned), Hartford, Conn.
Olmsted Flint Co. ("Grip-Tite"), Main & Portland, Cambridge, Mass.
Raniville F. Co., Grand Rapids, Mich.
Rossendale-Reddaway Belting & Hose Co. ("Camel Hair"), Newark, N. J.
Shultz Belting Co. ("Aqua," "Shultz"), Dept H, Fourth & Barton, St. Louis, Mo.

Belting Mfrs. (Angular)

See Belting Mfrs.

735a—Belting Mfrs. (Asbestos)

See Also Belting Mfrs.

Asbestos Materials Corp., Millington, N. J.
Darcoid Company, 1780 Broadway, New York *See adv index at end of book*
Dominion Asbestos & Rubber Corp., 1780 B'way, New York
See adv index at end of book
FABREEKA BELTING CO. (Fabreeka Belting will resist high temperatures in operation), 120 High, Boston, Mass.
See adv index at end of book

735b— *Belting Mfrs. (Axle Generator)

FABREEKA BELTING CO. (Fabreeka showing long service on axle generators), 120 High, Boston, Mass.
See adv index at end of book
U. S. Rubber Co. ("U. S. Peerless"), 1790 Broadway, New York
See adv index at end of book

"U. S." PEERLESS AXLE DYNAMO BELTS
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

736-7—Belting Mfrs. (Balata)

Boston Belting Corp., ("Gutta-Balata," Flexite"), 80 Elmwood av, Boston, Mass.
Burton Greene Leather Co., 141 W Austin av, Chicago, Ill.
Dick R. & J. (Ltd.) ("Dickbelt," Original Balata Belt), Passaic, N. J.
Empire Rubber & Tire Corp. ("Champion"), Trenton, N. J.
Fairbanks Co. (Jobbers), 416 Broome, New York.
Goodyear Tire & Rubber Co. ("Goodyear"), Akron, O.
Imperial Belting Co. ("Pyramid-Balata"), 400 N Lincoln, Chicago, Ill
Manheim Mfg. & Belting Co. ("Veelos"), Manheim, Pa.
Strong Machinery & Supply Co. ("Tisafine"), 292-294 Church, New York
See adv index at end of book
Victor-Balata & Textile Belting Co. ("V-B," "Victor-Balata"), 38 Murray, New York

IF YOU DON'T FIND IT IN
HENDRICKS'
write to our SERVICE BUREAU

738—Belting Mfrs. (Canvas, Rawhide Center)

National Leather Mfg. Co., Niles, Mich.

739— Belting Mfrs. (Canvas Stitched)

"U. S." GIANT STITCHED BELTING
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

Acme Belting Co. ("Atlas"), Niles, Mich.
Boston Woven Hose & Rubber Co. ("Milo," "Junior"), Cambridge, Mass.
Boyle, John, & Co., 112 H Duane, New York
CARPENTER & CO., Geo. B., 434 N Wells st, Chicago, Ill.
See adv index at end of book
Carton Belting Co. ("Carton" (Red), "Carzack" (Black) Stitched Canvas), 52 Everett, Allston, Mass.
Chesapeake Belting Co., 823 McKim, Baltimore, Md.
Combination Rubber Mfg. Co. (Straight & Serpentine Stitched), Bloomfield, N. J.
Empire Tire & Rubber Corp. ("Champion"), Trenton, N. J.
Fairbanks Co. (Jobbers), 416 Broome, New York.
Gandy Belting Co. ("Gandy"), 740 W Pratt, Baltimore, Md.
Goodrich B. F. Co., Akron, O.
Goodyear Rubber Co., 539 Mission, San Francisco, Cal.
Hettrick Mfg. Co., Toledo, O.
Humphrys, R. A., Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Imperial Belting Co. ("Rexall," "Sahara"), 400 N Lincoln, Chicago, Ill.
McIlroy Belting & Hose Co. ("Rubberite"), Hammond, Ind.
Main Belting Co. ("Leviathan"), 1219 Carpenter, Phila., Pa.
Manheim Mfg. & Belting Co. ("Hemeke"), Manheim, Pa.
Mount Vernon Belting Co., 327 Wren, Baltimore, Md.
National Belting Co. ("Textol," "Black Devil," "Pyramid" and "Red Jacket"), Elyria, O.
National Leather Belting Co., 423 E 56th, New York
New Jersey Car Spring & Rubber Co. ("Gladiator"), 91 Brunswick, Jersey City, N. J.
Rossendale-Reddaway Belting & Hose Co. ("Sphinx" & Other Brands), Newark, N. J.
Russel Mfg. Co. ("Rusco"), Dept. H, Middletown, Conn.
Sawyer Belting Co. (Roll & Endless), ft Lisbon rd, S E, Cleveland, O.
Towar Consolidated Mills Co., Niles, Mich.
U. S. Rubber Co. ("Cleveland," "Samson," "U. S. Sawyer," "U. S. Sawyer Black Hawk," "U. S. Sawyer Black Hawk Hi-Heat," "U. S. Sawyer Paraffine," "Sul-furna"), 1790 Broadway, New York *See adv index at end of book*

"U. S." SAWYER Canvas Stitched BELTING
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

Victor-Balata & Textile Belting Co. ("Ampere," "Special"), 38 Murray, New York
Whitehead Bros. Rubber Co., Trenton, N. J.

740—Belting Mfrs. (Chain Link)

BARTLETT & SNOW CO., C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
Chain Belt Co. ("Griplock"), 746 Park, Milwaukee, Wis.
See adv index at end of book
Federal Malleable Co. (Malleable Iron), West Allis, Wis.
Franklin Park Foundry Co. (Detachable), Franklin Park, Ill.
Herschel R. Mfg. Co., Peoria, Ill.
Howe Chain Co., Dept. H, Muskegon, Mich.
Howe Scale Co. of Illinois, 1222 S Wabash av, Chicago, Ill.
JEFFREY MFG. CO. (Steel), 961 N 4th, Columbus, O. *See adv index at end of book*
LINK-BELT COMPANY, ("Ewart" Detachable & Pintle Chain), 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Link Chain Co. ("Arrow Brand" Detachable Chain), Williamsport, Pa.
Locke Steel Belt Co., Bridgeport, Conn.
Mey Chain Belt Co., Buffalo, N. Y.
Michigan Sprocket Chain Co., Delray, Detroit, Mich.
Moline Malleable Iron Co., St. Charles, Ill.
MORSE CHAIN CO., Ithaca, N. Y.
See adv index at end of book

MORSE
SILENT CHAIN DRIVES
Used in all industries for transmitting power from ¼ to 5000 H.P. Chain speeds up to 1200 to 1600 ft. per min., sprocket speeds from 250 to 6000 R.P.M. Sprocket centers any reasonable distance, —usually from 12 to 120 in. Advantages are positive speed ratio, 98.6% to 99% constant efficiency, quiet operation at all speeds, any convenient distance between sprocket centers, little lubrication at infrequent intervals, unaffected by heat, cold, or moisture, long life, low up-keep cost.
Write for special literature
MORSE CHAIN CO., ITHACA, N. Y.
Branch Offices in Boston, Mass.; New York, N.Y.; Philadelphia, Pittsburgh, Pa.; Baltimore, Md.; Charlotte, N. C.; Atlanta, Ga.; Cleveland, O.; Detroit, Mich.; Chicago, Ill.; St. Louis, Mo.; Minneapolis, Minn.; Denver, Colo.; San Francisco, Cal.; Montreal, Toronto, Winnipeg, Canada.
2145-30

National Leather Belting Co., 423 E 56th, New York
Puget Sound Machinery Depot, 318 1st av, Seattle, Wash.
Stowell Co. The (Malleable Iron), S Milwaukee, Wis.
Union Chain & Mfg. Co., Sandusky, O.
Union Engineering Co., Cuyahoga & W 4th
WEBSTER MFG. CO., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.
Whitaker Mfg. Co., 409 S Green, Chicago, Ill.
Whitney Mfg. Co., Bartholomew av, Hartford, Conn.
Wisconsin Iron & Wire Works (For Pulp Mills), Milwaukee, Wis.

741— Belting Mfrs. (Conveyor)

See also Conveyors, Belt; Belting, Canvas Stitched; Belting, Rubber; Belting, Chain Link

"U.S." Conveyor BELTS
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Barber-Greene Co., Aurora, Ill.
Boston Belting Corp. (Balata & Rubber), 80 Elmwood av, Boston, Mass.
Burrell Belting Co. (Solid Woven Cotton), 1413 S Hermitage av, Chicago, Ill.
Chain Belt Co. ("Griplock"), 746 Park, Milwaukee, Wis.
See adv index at end of book
CINCINNATI RUBBER MFG. CO., THE ("Arno," "Pacemaker," "Hontas"), Norwood, Cincinnati, O.
See adv index at end of book

The Cincinnati Rubber Mfg. Co.
Cincinnati, Ohio
MECHANICAL & SPECIAL MOULDED RUBBER GOODS
Pacemaker Rubber Transmission Belting, Arno Conveyor Rubber Belting, Losant Hose for Steam, Water, Air, Norka Packing.
MECHANICAL RUBBER SPECIALTIES MADE TO ORDER

Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Corns Conveying Belt Co. (Cotton), 53 W Jackson blvd, Chicago, Ill.
Darcoid Company, 1780 Broadway, New York *See adv index at end of book*
Empire Tire & Rubber Corp., Trenton, N. J.
FABREEKA BELTING CO. (Fabreeka construction presents a multiple cover arrangement, superior to old fashioned rubber covered conveyors. Investigate before order), 120 High, Boston, Mass.
See adv index at end of book
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Gilmer L. H. Co. ("Gilmer" endless), Cottman & Keystone, Phila., Pa.
Goodall Rubber Co., 8th & Locust, Phila., Pa.
Goodrich B. F. Co. ("Longlife"), Akron, O.
Goodyear Tire & Rubber Co., Inc. ("Goodyear Style W"), 1144 E Market, Akron, Ohio
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
Hettrick Mfg. Co., Toledo, O.
Hewitt Rubber Co. ("Magnus," "Dogwood," "Hollywood," "Hewitt High Speed" & "Mongram"), 246H Kensington av, Buffalo, N. Y.
Home Rubber Co., Trenton, N. J.
INTERNATIONAL NICKEL COMPANY, THE (From monel metal sheet & strip), 67 Wall st, New York. (See insert under Monel Metal)
See adv index at end of book

"U. S." Food Conveyor BELTS
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Manhmeim Mfg. & Belting Co. ("Python"), Manheim, Pa.
N. J. Car Spring & Rubber Co. ("Staple," Extra Para"), 91 Brunswick, Jersey City, N. J.
Page Steel & Wire Co., Adrian, Mich.
Quaker City Rubber Co. ("Desert," "Crown," "Quaker City"), 3927 Comly, Phila., Pa.
See adv index at end of book
Robins Conveying Belt Co., 15 Park Row, New York
See adv index at end of book
Robinson H. Mfg. Co., Muncy, Pa.
Rochester Woven Belting Corp., East Rochester, N. Y.
Rossendale-Reddaway Belting & Hose Co. (Stitched Canvas, "Black Bird," Woven Cotton), Newark, N. J.
Russel Mfg. Co. ("Rusco"), Dept. H, Middletown, Conn.
Smith, E. M., Co. ("Emsco"), 612-40 S Clarence, Los Angeles, Cal.
Specialty Engineering Co., Trenton & Allegheny avs, Phila., Pa.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Stanley Belting Corp., 13-15 N Jefferson, Chicago, Ill.
Stearns Conveyor Co., St. Clair & E 200th, Cleveland, Ohio
U. S. Rubber Co. ("U. S.," "U. S. Giant," "U. S. Matchless," "U. S. Security"), 1790 Broadway, New York
See adv index at end of book

"U. S." Matchless CONVEYOR BELT
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

Victor-Balata & Textile Belting Co., 38 Murray, New York
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

742— Belting Mfrs. (Detachable Chain)

JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

"U. S." Elevator BELTS
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

743—*Belting Mfrs. (Elevator)

Cincinnati Rubber Mfg. Co., The ("Pacemaker," "Arno"), Norwood, Cincinnati, O.
See adv index at end of book
U. S. Rubber Co. ("U. S. Granite," "U. S. Matchless"), 1790 Broadway, New York *See adv index at end of book*

"U.S." Matchless Elevator Belt
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

Belting Mfrs. (Cotton)

See Belting Manufacturers, Solid Cotton

744-5-6-Belting Mfrs. (Leather Link)

Detroit Leather Works ("Flexo" Laminated), 683 Lafayette av, East, Detroit, Mich.
Schieren Chas. A. Co. ("American"), 30 Ferry, New York
Shultz Belting Co. ("Shultz"), Fourth & Barton, St. Louis, Mo.

747—Belting Mfrs. (Perforated)

Schieren Chas. A. Co., 30 Ferry, New York

748—Belting Mfrs. (Rawhide)

Bay State Belting Co. ("Indian Tan"), 349 Congress, Boston, Mass.
CHICAGO BELTING CO., 110 N Green, Chicago, Ill.
See adv index at end of book
Chicago Rawhide Mfg. Co., 1307 Elston av, Chicago, Ill.
See adv index at end of book
Missouri Belting Co. ("Giant"), Grand & La Salle, St. Louis, Mo.
National Leather Mfg. Co., Niles, Mich.
Page Belting Co., Concord, N. H.
Shultz Belting Co. ("Shultz"), Dept H, 4th & Barton, St. Louis, Mo.
Western Rawhide & Belting Co. ("Superior"), 917 Winnebago, Milwaukee, Wis.

749— Belting Mfrs. (Rope)

Chicago Rawhide Mfg. Co., 1307 Elston av, Chicago, Ill.
See adv index at end of book
Columbian Rope Co., 3050 Genesee, Auburn, N. Y.

750—Belting Mfrs. (Round or Twist)

Rawhide Leather

Alexander Bros., Inc., 14 South, Phila., Pa.
Bay State Belting Co., 349 Congress, Boston, Mass.
CHICAGO BELTING CO., 110 N Green st, Chicago, Ill.
See adv index at end of book
Chicago Rawhide Mfg. Co., 1307 Elston av, Chicago, Ill.
See adv index at end of book
Colonial Supply Co., 217 Water, Pittsburgh, Pa.
See adv index at end of book
Crisp Jas. & Co., Bloomfield, N. J.
Detroit Oak Belting Co., 3362 Wight, Detroit, Mich.
Graton & Knight Mfg. Co. ("Nugget," Patent Round, "Spartan," Twist Solid Round), 244 Franklin, Worcester, Mass.
Hudson Belting Co., 3 Eaton pl, Worcester, Mass.
Jewell Belting Co. (Round Only), Hartford, Conn.
Ladew Edward R. Co. (Leather), 54 Franklin, New York
Missouri Belting Co. ("Ebony," Round), Grand & La Salle, St. Louis, Mo.
National Leather Mfg. Co. (Rawhide, Tan), Niles, Mich.
New York Leather Belting Co., 33 Warren, New York
Page Belting Co. ("Crown" Leather), Concord, N. H.
Rahmann, Geo. & Co. (Round), 31 Spruce, New York
Raniville, F. Co. ("Star," "Oko," "Gam Tan," "Olotan," Round & Flat), Grand Rapids, Mich.
Rhoads J. E. & Sons ("Tannate"), 12 N 3d, Phila., Pa. Works: Wilmington, Del.
Schieren Chas. A. Co., 30 Ferry, New York
Shultz Belting Co. ("Shultz"), Fourth & Barton, St. Louis, Mo.
Sumner Wm. Belting Co. (Patent Cotton Leather), Tolland, Conn.
Western Rawhide & Belting Co. ("Superior"), 917 Winnebago, Milwaukee, Wis.
Williams I. B. & Sons ("Gilt Edge" Round), Dover, N. H.

Belting Mfrs. (Rubber)

See Belting Mfrs. with the word Rubber following their names

750a—Belting Mfrs. (Silent Chain)

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
MORSE CHAIN CO., Ithaca, New York
See adv index at end of book

751—Belting Mfrs. (Solid Cotton)

Acme Belting Co. ("Black Diamond"), Niles, Mich.
Bay State Belting Co., 349 Congress, Boston, Mass.
Boyle, John, & Co., 112 H Duane, New York
Boyle John & Co. (Solid), 112 Duane, New York
Brophy Belting & Supply Co. (Hand Wove Endless Belt), Madison, Ind.
Brown Arthur S. Mfg. Co. ("Tilton" Endless), Tilton, N. H.
Buffalo Weaving & Belting Co., 215 Chandler, Buffalo, N. Y.
Burrell Belting Co., 413 S Hermitage av, Chicago, Ill.
Carton Belting Co. ("Azak"), 52 Everett, Allston, Mass.
Curry J. W. Co. (Solid Woven), 2615 Cummins, Cincinnati, O.
Durvea Mfg. Co. ("Wooster's"), Bayonne, N. J.
Empire Mfg. Co. ("Empire" Waterproof), Lockport, N. Y.
Franklin Cotton Mill Co., Plum & Charles, Cincinnati, O.
Gilmer L. H. Co., Keystone & Cottman, Tacony, Phila., Pa.
Globe Woven Belting Co., 1398 Clinton, Buffalo, N. Y.
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
Hettrick Mfg. Co., Toledo, O.
HUMPHRYS R. A. SONS, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
McIlroy Belting & Hose Co. ("Rubberite"), Hammond, Ind.
Modern Weaving & Belting Co. ("Modern Weave"), 137-9 Arthur, Buffalo, N. Y.
Mt. Vernon-Woodberry Mills, Inc., Cont. bldg, Baltimore, Md.
Rochester Woven Belting Corp., East Rochester, N. Y.
Rossendale-Reddaway Belting & Hose Co. ("Blackbird"), Newark, N. J.
Russell Mfg. Co. ("Rusco"), Dept. H, Middletown, Conn.
Scandinavia Belting Co. ("Scandinavia"), 228 High, Newark, N. J.
STANLEY BELTING CORP. (Belting Mfrs., Solid Woven Cotton for Transmission, Conveying & Elevating), 13-15 N Jefferson, Chicago, Ill.
Sumner Wm. Belting Co., Tolland, Conn.
Susquehanna Webbing Co., Bloomsburg, Pa.
Tilton Mills (Endless Woven), Tilton, N. H.

751a—*Belting Mfrs. (Stone Elevator)

U. S. Rubber Co., 1790 Broadway, New York *See adv index at end of book*

"U. S." GRANITE STONE ELEVATOR BELT
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

752—Belting Mfrs. (Thresher)

Acme Belting Co. ("Atlas" Endless), Niles, Mich.
Boston Woven Hose & Rubber Co. ("Grain King" Canvas), Cambridge, Mass.
Carton Belting Co. ("Carton," Endless), 52 Everett, Allston, Mass.
Chesapeake Belting Co. (Endless Stitched Canvas), 823 McKim, Baltimore, Md.
Cincinnati Rubber Mfg. Co., The ("Pacemaker"), Norwood, Cincinnati, O.
See adv index at end of book
Combination Rubber Mfg. Co. ("Indestructene"), Bloomfield, N. J.
Curry J. W. Co. ("Curry," Solid Woven Waterproof), 2615 Cummins, Cincinnati, Ohio
Detroit Oak Belting Co., 3362 Wight, Detroit, Mich.
Dick R. & J. (Ltd.) ("Dickbelt," Original Balata Belt), Passaic, N. J.
Empire Mfg. Co. ("Empire" Waterproof), Lockport, N. Y.
Empire Tire & Rubber Corp., Trenton, N. J.
FABREEKA BELTING CO (A water & weather proof belt of enormous tensile strength without stretch), 120 High, Boston, Mass.
See adv index at end of book
Gandy Belting Co. ("Gandy" Endless Stitched Canvas), 726 W Pratt, Baltimore, Md.
Goodrich B. F. Co., Akron, O.
Graton & Knight Mfg. Co., 344 Franklin, Worcester, Mass.
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
Gutta Percha & Rubber Mfg., 350 Madison av, New York
Hettrick Mfg. Co., Toledo, O.
Home Rubber Co., Trenton, N. J.
Mercer Rubber Co. (Rubber), Hamilton sq, N. J.
Mt. Vernon Belting Co. ("Mt. Vernon," Endless), 327 Wren av., Baltimore, Md.
Quaker City Rubber Co. ("Edgewater Redskin," "Rhinoceros" Endless Rubber), 3927 Comly, Phila., Pa.
See adv index at end of book
Republic Rubber Corp., Dept H, Youngstown, Ohio.
Russel Mfg. Co. ("Rusco"), Dept. H, Middletown, Conn.
Sawyer Belting Co. (Endless Stitched Canvas), ft Lisbon rd S E, Cleveland, O.
U. S. RUBBER CO. ("U. S. Samson" Endless Rubber), 1790 Broadway, New York *See adv index at end of book*
Victor-Balata & Textile Belting Co., 38 Murray, New York.

752a— *Belting Mfrs. (Transmission)

CHICAGO BELTING CO., 110 N Green st, Chicago, Ill.
See adv index at end of book

Chicago Belting Company



Manufacturers of pre-tested, guaranteed, highest quality leather belting for every industrial drive condition. Made of oak, chrome and special tannage leathers, featuring standard leather belting, stretchless leather belting, waterproof leather belting, thresher belting, oil well belting and acid resisting belting.

Chicago Belting Company
Manufacturers of Leather Belting
110 North Green Street
Chicago, U.S.A.
New York, Boston, Pittsburg, Cleveland, Milwaukee, Rockford, New Orleans, Los Angeles, San Francisco, Portland, Ore., Seattle, Wash., Atlanta

Chicago Rawhide Mfg. Co., The, 1307 Elston av, Chicago, Ill.
See adv index at end of book
CINCINNATI RUBBER MFG. CO., THE ("Pacemaker," Friction Surface), Norwood, Cincinnati, O.
See adv index at end of book

The Cincinnati Rubber Mfg. Co.
Cincinnati, Ohio
MECHANICAL & SPECIAL MOULDED RUBBER GOODS
Pacemaker Rubber Transmission Belting, Arno Conveyor Rubber Belting, Losant Hose for Steam, Water, Air, Norka Packing.
MECHANICAL RUBBER SPECIALTIES MADE TO ORDER

FABREEKA BELTING CO. (A product which may be used successfully in all classes of industry and on all sizes of pulleys), 120 High, Boston, Mass.
See adv index at end of book
U. S. Rubber Co. ("U. S. Cannery," "U. S. Giant," "U. S. Pilot," "U. S. Rainbow," "U. S. Security," "Shawmut"), 1790 Broadway, New York
See adv index at end of book

"U.S." Matchless Power Transmission BELTS
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

753—Belting Mfrs. (Waterproof)

Acme Belting Co. ("Black Diamond" Canvas), Niles, Mich.
Alexander Bros., Inc. ("Dreadnaut"), 14 South, Phila., Pa.
Bachman J. & Co. ("Hippo"), 203 Lafayette, New York
Baltimore Belting Co. ("Navy"), 23 S Gay, Baltimore, Md.
Bay State Belting Co. ("Water King"), 349 Congress, Boston, Mass.
BOND CHAS. CO. (Leather), 617-619 Arch, Phila., Pa.
Bonner & Barnewall ("Rex-Tan" Leather), 30 Church, New York
Boston Belting Corp., 80 Elmwood, Boston, Mass.
Burr Oak Belting Co. ("Sealskin"), 1103 York, Cincinnati, O.
Burton Greene Leather Co., 141 W Austin av, Chicago, Ill.
Carton Belting Co. ("Azak," Solid Woven), 52 Everett, Allston, Mass.
Chesapeake Belting Co., 823 McKim, Baltimore, Md.

(Continued on following page)

Belting Mfrs. (Waterproof)—Cont.

CHICAGO BELTING CO., 110 N Green st, Chicago, Ill.
See adv index at end of book
Cleveland Oak Belting Co. ("Durable"), 1239 W. 9th, Cleveland, Ohio.
Consolidated Belting Co. (Leather), 3108 Germantown av., Phila., Pa.
Curry J. W. Co. (Endless), 2615 Cummins, Cincinnati, Ohio
Darcoid Company, 1780 Broadway, New York *See adv index at end of book*
Detroit Oak Belting Co. ("Naiad"), 3362 Wight, Detroit, Mich.
Dick R. & J. (Ltd.) ("Dickbelt," Original Balata Belt), Passaic, N. J.
Druid Oak Belting Co. ("Druid Waterproof"), 111 E. Lombard, Baltimore, Md.
Duryea Mfg. Co. ("Wooster's" Cotton), Bayonne, N. J.
Empire Mfg. Co. ("Empire"), Lockport, N. Y.
Empire Tire & Rubber Corp., Trenton, N. J.
FABREEKA BELTING CO. (Fabreeka is waterproof and will not stretch or shrink from becoming wet and drying out), 120 High, Boston, Mass.
See adv index at end of book
Fenwick-Reddaway Mfg. Co. (Hair), 46 Paris, Newark, N. J.
Foulds I. & Son (Chrome), Hudson, Mass.
Globe Woven Belting Co., 1396H Clinton, Buffalo, N. Y.
Goodall Rubber Co., 8th & Locust, Phila., Pa.
Graton & Knight Mfg. Co. ("Neptune," "Neptune Dynamo," Special Planer), 244 Franklin, Worcester, Mass.
Gutta Percha & Rubber Mfg. Co., 350 Madison av, New York
Hewitt Rubber Co., 246H Kensington av, Buffalo, N. Y.
Hide, Leather & Belt Mfg. Co. ("Wetprufe"), 227 S Meridian, Indianapolis
Home Rubber Co., Trenton, N. J.
Hudson Belting Co. ("Mermaid"), 3 Eaton pl, Worcester, Mass.
Ireson Chas. L. ("Anhydrous" Mineral Tanned), 221 High, Boston, Mass.
Jewell Belting Co. (Oak & Chrome Tanned), Hartford, Conn.
Kelly-Linehan Belting Co. ("Porpoise"), 33 Minna, San Francisco, Cal.
Laurence Belting Co. ("Cascade"), 111 Chambers, New York
McIlroy Belting & Hose Co. ("Rubber-Ite," Canvas Stitched), Hammond, Ind.
Manhattan Belting Co. ("Rainbo"), 42 Bond, New York
Missouri Belting Co. ("Alligator"), Grand & La Salle, St. Louis, Mo.
National Leather Belting Co. (Leather), 423 E 56th, New York
N. J. Car Spring & Rubber Co. ("Carspring"), 91 Bushwick, Jersey City, N. J.
New York Leather Belting Co. ("Wetite"), 33 Warren, New York
Norwich Belt Mfg. Co. ("Triton"), Norwich, Conn.
Nott W. S. Co. ("Wetstone"), 2d av N & 3d, Minneapolis, Minn.
Olmsted Flint Co. ("Oilskin"), Main & Portland, Cambridge, Mass.
Pacific Asbestos & Supply Co. ("Webfoot" Leather), 69 1st, Portland, Ore.
Page Belting Co., Concord, N. H.
Rahmann Geo. & Co. ("Kontak," "Comber" & "Granite"), 31 Spruce, New York
Raniville F. Co., Grand Rapids, Mich.
Reed & Duecker ("Hippo" Water Proof Leather), 171 N Main, Memphis, Tenn.
Rochester Woven Belting Corp. (Canvas), East Rochester, N. Y.
Rossendale-Reddaway Belting & Hose Co. ("Camel Hair"), Newark, N. J.
Russel Mfg. Co. ("Rusco"), Dept. H, Middletown, Conn.
Salisbury W. H. & Co. ("Seal Brand," "Lea-Duck," Stretch & Water-proof Leather), 308 W Madison, Chicago, Ill.
Schieren Chas. A. Co. ("Duxbak," Leather), 30 Ferry, New York
Schwartz Belting Co. ("H 20"), 76 Murray, New York
Seattle Belting & Supply Co. ("Black Swan"), 314 Occidental av, Seattle, Wash.
Shultz Belting Co. ("Shultz," Niagara & "Aqua"), Dept H, 4th & Barton, St. Louis, Mo.
Smyth-Despard Co. ("Waterwitch," "Ute"), Utica, N. Y.
Williams I. B. & Sons ("Shedite"), Dover, N. H.

753a— Belting Mfrs. (Wire)

See also Belts, Automobile

INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book

754— Belting Mfrs. (Woven Leather)

Burrell Belting Co. (Alfalfa, Burmaline & Clover), 413 S Hermitage av, Chicago
Chicago Rawhide Mfg. Co., The, 1307 Elston av, Chicago, Ill.
See adv index at end of book
New York Leather Belting Co. ("Viking"), 33 Warren, New York
Shultz Belting Co. ("Shultz"), Fourth & Barton, St. Louis, Mo.

755— Belts (Automobile)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
American Brake-Lining Co. ("ABC" Fabric Fan), Lansdale, Pa.
Am. Textile Banding Co., Inc. (Fan), Belfield av & Wister, Phila., Pa.
Carter Geo. R. Co. (Fan), Connersville, Ind.
Chicago Belting Co. (Fan, Round, Flat & V), 110 N Green, Chicago, Ill.
Chicago Rawhide Mfg. Co., The, 1307 Elston av, Chicago, Ill.
See adv index at end of book
Cleveland Oak Belting Co. ("Durable" Fan), 1239 W. 9th, Cleveland, Ohio.
Coe Belting & Supply Co., 221 S Peters, New Orleans, La.
Coe & Brown (Fan), 204 George, New Haven, Conn.
Consolidated Belting Co. (Fan), Berkly & Germantown av, Phila., Pa.
Curry J. W. Co. ("Curry," Solid Woven, Waterproof Fan Belts), 2615 Cummins, Cincinnati, O.
Cuyahoga Spring Co., 10253 Berea rd, Cleveland, O.
Detroit Leather Works ("Flexo" Fan), 683H, E. Lafayette, Detroit, Mich.
Detroit Oak Belting Co. (Fan), 3362H Wight, Detroit, Mich.
Druid Oak Belting Co., 111 E Lombard, Baltimore, Md.
Empire Tire & Rubber Corp., Trenton, N. J.
Essex Rubber Co. (Fan), Trenton, N. J.
Eureka Spring Co. (Steel), 150 Bleecker, New York
FABREEKA BELTING CO. (Fabreeka gives service on automobile fans which puts it in a class by itself), 120 High, Boston, Mass.
See adv index at end of book
Gardner Wire Co. ("Calcutts" Spiral Wire Only), 5045 W Lake, Chicago, Ill.
Gilmer L. H. Co. ("Gilmer" Woven Endless), Cottman & Keystone, Tacony, Pa.
Goodyear Tire & Rubber Co., Inc. ("Good Year" Fan), 1144 E Market, Akron, Ohio
Graton & Knight Mfg. Co. (Block Solided Laminated V Belts & Flat Fan Belts), 244 Franklin, Worcester, Mass.
Haney J. H. & Sons ("Fan"), Omaha, Neb.
Hide, Leather & Belt Mfg. Co. (Fan), 227 S. Meridian, Indianapolis, Ind.
Hinson C. & B. Co. ("Hinson" Endless Fan), 1511 Chase, Cincinnati, O.
Hudson Belting Co., 3 Eaton pl, Worcester, Mass.
Jewell Belting Co. (Fan), Hartford, Conn.
Milwaukee Leather Belting Co. (Fan), 146 W Water, Milwaukee, Wis.
Mitchell & Smith ("Champney"), Framingham, Mass.
National Leather Mfg. Co. (Chrome), Niles, Mich.
National Motor Accessories Corp. ("Naco"), Fisk bldg, New York
New York Wire & Spring Co. (Wire), Uptown Box 6043, Hoboken, N. J.
See adv index at end of book
Norwich Belt Mfg. Co. (Fan), Norwich, Conn.
Oregon Fan Belt Mfg. Co. ("Par Plus" Leather), 142½ 2d, Portland, Ore.
Philadelphia Belting Co. (Leather Fan), 6th & Sp. Garden, Phila., Pa.
Polson W. J. Co. ("W. J. Polsons" Fan), 18th & Indian av, Kansas City, Mo.
Raybestos Co. (Fan), Bridgeport, Conn.
Rochester Woven Belting Corp. ("Tuffex" Fan Belts Leather & Fabric), East Rochester, N. Y.
Rose, Frank, Mfg. Co. ("Rose"), Hastings, Neb.
Russell Mfg. Co. ("Rusco" Fan), Dept. H, Middletown, Conn.
Schieren Chas. A. Co. (Fan), 30 Ferry, New York
Smith Manning J. Belting Co. ("Smith"), Church & Lena, Phila., Pa.
Webb Mfg. Co. ("Webb." Wire), 245-247 N. J. R. R. av., Newark, N. J.
Williams I. B. & Sons, Dover, N. H.

755a— Belts (Car Lighting)

FABREEKA BELTING CO. (Fabreeka), 120 High, Boston, Mass.
See adv index at end of book
Fenwick-Reddaway Mfg. Co., 46 Paris, Newark, N. J.
Victor-Balata & Textile Belting Co. ("Axonetat"), 38 Murray, New York

756-7— Belts (Cartridge)

Aronoff Joseph J., Trenton, N. J.
Brauer Bros. Mfg. Co., 204 N 14th, St. Louis, Mo.

Belts (Conveyor)

See Belting Mfrs. Conveyor

758— Belts (Linemen's)

Aschenbach Henry Saddlery Co., 71 Warren, New York
Boyle John & Co., 112 Duane, New York
Buhrke R. H. Co., 1250 Fullerton av, Chicago, Ill.
Dicke Tool Co., Downers Grove, Ill.
Feeser Frank S. Co., 1033 Shelby, Indianapolis, Ind.
Fitler Edwin H. Co., 517 Arch, Phila., Pa.
Galewski Adolph & Son, 453 Broome, New York
Klein Mathias & Sons, 3200 Belmont av, Chicago, Ill.
Meckel Fred L., 11 E 13th, Chicago, Ill.
Ransome Concrete Machinery Co., Dunellen, N. J.

759— Belts (Polishing)

Ames Sword Co. (Endless Silk Sewed), Chicopee, Mass.
Boston Belting Corp., 80 Elmwood av, Boston, Mass.
Chicago Rawhide Mfg. Co., 1307 Elston av, Chicago, Ill.
See adv index at end of book
Combination Rubber Mfg. Co. ("Indestructene"), Bloomfield, N. J.
Curry J. W. Co. ("Curry" Endless), 2615 Cummins, Cincinnati, O.
Empire Mfg. Co. (Cotton), Lockport, N.Y.
FABREEKA BELTING CO. (Fabreeka), 120 High, Boston, Mass.
See adv index at end of book
Goodrich B. F. Co., Akron, O.
Home Rubber Co., Trenton, N. J.
Hudson Belting Co., 3 Eaton pl, Worcester, Mass.
Jewell Belting Co., Hartford, Conn.
Manhattan Rubber Mfg. Co. (Canvas with Rubber Insertion), Passaic, N. J.
N. Y. Belting & Packing Co., 91 Chambers, New York
Page Belting Co. (Leather), Concord, N.H.
Russel Mfg. Co. ("Rusco"), Dept. H, Middletown, Conn.

760— Belts (Sand Paper)

Manning Abrasive Co., Dept H., Troy, N. Y.
Rochester Woven Belting Corp., East Rochester, N. Y.
Russel Mfg. Co. ("Rusco"), Dept. H, Middletown, Conn.

761-2-3— Belts ("V")

See also Belts, (Automobile)

Badger Handle Co., 415 3rd, Milwaukee, Wis.
Boston Belting Corp. (For Ore Concentrating Machines, etc.), 80 Elmwood av, Boston, Mass.
CHICAGO BELTING CO., 110 N. Green, Chicago, Ill.
See adv index at end of book
Chicago Rawhide Mfg. Co., The, 1307 Elston av, Chicago, Ill.
See adv index at end of book
Detroit Leather Works ("Flexo" Laminated), 683 E. Lafayette Detroit, Mich.
Detroit Oak Belting Co., 3362 Wight, Detroit, Mich.
Graton & Knight Mfg. Co. (for Automobile Fans, Link Block Solid & Laminated), 244 Franklin, Worcester, Mass.
Houghton E. F. Co. ("Vim"), 240H W Somerset, Phila., Pa.
Mitchell & Smith ("Champney"), Framingham, Mass.
Republic Rubber Co., Youngstown, O.

764—Benches (Cabinet & Pattern Makers', Etc.)

Christiansen C., 2814 W 26th, Chicago, Ill.
Diamond Clamp & Flask Co., Richmond, Ind.
Grand Rapids Hand Screw Co., Grand Rapids, Mich.
Kantslip Co., Freeport, Mich.
Oliver Machinery Co., Grand Rapids, Mich.
Rowe Henry Mfg. Co., Newaygo, Mich.

765— Benches (Cutting)

Roos John & Co., Effingham, Ill.
Michigan Maple Block Co. (All Kinds), Petoskey, Mich.
Uphus A. J. Co. ("Artkraft"), 2315 Western av, Seattle, Wash.

766— Benches (Draw)

Brightman Mfg. Co., Columbus, O.
Davis-Bournonville Co. (for Tube Welding), Van Wagner av, Jersey City, N. J.
Dixon Wm. (Jewelers'), 119 Fulton, New York
Farnham Mfg. Co., 31 Indiana, Buffalo, N. Y.
Morgan Construction Co., Worcester, Mass.
Ohl Geo. A. & Co. (20 & 24 ft), 159 Oraton, Newark, N. J.
Oliver W. W. Mfg. Co. (Jewelers, etc), 1483 Niagara, Buffalo, N. Y.
Perkins Machine Co. (Belt Power & Electrically Driven), Warren Mass.
Richard Mfg. Co. Bloomsburg, Pa.
San Francisco Engineering Co. (Calcimine), 322 6th, San Francisco, Cal.
Standard Machinery Co., Providence, R. I.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
Torrington Mfg. Co., Torrington, Conn.
Vaughn Machinery Co. (Wire Rods & Bars), Cuyahoga Falls, O.

Fabreeka Belting

A PRODUCT THAT HAS MADE A LEGION OF FRIENDS—THROUGH THE SHEER MERIT OF ITS PERFORMANCE

Water-proof, Weather-proof, Steam-proof, Acid-resistant, Pliable, Strong, True-running, Dense fibre, Will not shrink, Little stretch, Great Puller.

Its continued use in all industries—by the biggest corporations—to replace all other types of belting—is a well known fact

Put Fabreeka on Your List of Belt Houses to Figure on Your Next Belting Requirements for Transmission or Conveyor

Fabreeka Belting for Transmission

Transmits maximum power without slippage.

Is very pliable and remains so.

Under normal working conditions will stretch less than any other belt.

Has enormous tensile strength, in proportion to its thickness, which permits its safe application in lighter weights than other types of belt.

Is unaffected by water, steam or exposure to the elements.

Runs absolutely true on pulleys and without vibration.

Has a density of fiber and compactness of construction unequaled.

Will not shrink under any conditions. We care not what you do. Soak it in boiling water, subject it to live steam, and then expose it to the sun, and you will find it has not shrunk.

Unqualified success and long life in chemical plants, under actual working conditions of acid fumes and gases, is practical proof of its resistance to these conditions.

Unlike any other belt, can be cut down from wide sizes to narrow ones, without waste, injury to material or impairing its true running quality.

Fabreeka Belting is unique in its type of construction. When properly applied, it is a joy to watch its performance.

Fabreeka Belting's Industrial Uses

Automobile Manufacturers: Fabreeka is successful on all types of machinery in this industry, replacing leather belt; also exceptional as automobile fan belt.

Breweries and Bottling Plants: Gives positive pulling power even when running right in water.

Brick Manufacturers: Will stand up longer in grit and dust than any other belt. Makes exceptional off-carrying belt.

Button Manufacturers: Adaptable to all conditions in this industry.

Creameries and Dairies: Standing up in wettest places in these plants.

Cotton Mills: Is sweeping the South for use on spinning frames, looms, and for motor work.

Candy Manufacturers: Fabreeka makes exceptional conveyor in candy plants; also generally used for transmission.

Cottonseed Oil Mills: Giving exceptional service on fans, linters and cake grinders.

Chemical Plants: Stands up longer in acid and acid fumes than other belts.

Cement and Limestone Products: Grit and dust have little effect on Fabreeka; exceptional belt for transmission or conveying.

Can Manufacturers: Fabreeka sweeping this industry.

Celluloid Manufacturers: Wonderful belt for comb saws.

Canneries: Fruit, vegetable and fish canners are doing away with cheaper belts and adopting Fabreeka.

Dye Houses: Fabreeka making new records of service in this industry.

Foundries: General all-around belt, exceptional for use on tumbling barrels and for sand conveyors.

Fertilizer Plants: Resists acid and lasts for years.

Hat Factories: The best belt for sizing room conditions.

Knitting Mills: Exceptional for knitting machines, ribbers and loopers.

Laundries: Best extractor and washing machine belt on the market.

Machine Shops: Exceptional belt for presses, lathes, iron planers, drills and grinders.

Mining: Exceptional as a conveyor.

Paint Manufacturers: Giving wonderful results on paint grinders.

Paper Mills: Best belt yet produced for paper machines, pumps, beaters and Jordan engines.

Packing Plants: Fabreeka now used by the largest packers.

Railroads: Fabreeka standard equipment with several railroad companies.

Silk Mills: Fabreeka exceptional for silk looms.

Steel Plants: Giving wonderful service in several of the largest steel mills.

Tanneries: The best belt for tannery drums and wet machines, also conveyors.

Woodworking: An all-around belt for woodworking. (Not recommended for side heads.)

Fabreeka Belting for Conveyors

Fabreeka construction presents a new conveyor idea, theoretically approved by the biggest conveying engineers, and actually performing wonders in service.

Until Fabreeka arrived, a rubber belt with a reinforced cover was the last word in conveyor belts.

Rubber covered conveyors are becoming obsolete.

Fabreeka construction presents a large multiple number of plies.

Each ply is a separate unit, not related to any other ply.

For conveying purposes, Fabreeka construction presents not one cover—but many covers.

Each ply of Fabreeka belt will stand approximately the same abrasive wear as the rubber cover of a rubber belt.

This explains why Fabreeka conveyors will stand up longer in abrasive wear and outlast any other belt in conveyor service.

Fabreeka is being used successfully for all types of conveyors from the very lightest package types to the heaviest belts for conveying, stone, cement, coal, etc.

Fabreeka belting is made in many weights and thicknesses, to properly take care of all conveyor conditions.

Write for recommendations

Write Our Nearest Branch for Prices and Recommendations

FABREEKA BELTING COMPANY

120 High St.	523-529 Eighth Ave.	170 No. Franklin St.	514 Arch St.
Boston, Mass.	New York City	Chicago, Ill.	Philadelphia, Pa.

Stocks carried at all of above branches

Also see Distributors' Section in this book, for list of Stock Carrying Distributors in 30 other cities.

Benches (Draw)—Continued

Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
WATSON-STILLMAN CO. (Hydraulic), 38 Church, New York
See adv index at end of book

767— Benches (Gas Retort)

See also Gas Works Apparatus & Construction

Gardner Jas. Jr. & Co. (Plain & Recuperative), Lockport Sta., Pa.
Gas Machinery Co. (Coal Gas Benches), 1900 Euclid av, Cleveland, O.
Improved Equipment Co. (Doherty Bench Fuel Economizer), 60 Wall, New York
Isbell-Porter Co., 46 Bridge, Newark, N. J
Laclede-Christy Clay Products Co. ("Laclede-Christy"), Railway Exch. bldg, St. Louis, Mo.
Missouri Fire Brick Co. (Inclined & Horizontal Benches), Boatmen's Bank bldg, St. Louis, Mo.
Parker-Russell Mining & Mfg. Co., 3300 Morganford rd., St. Louis, Mo.

768—Benches (Machinists' Work)

Aurora Steel Products Co., 3d, Aurora, Ill.
Brown & Sharpe Mfg. Co., Providence, R. I.
Lyon Metallic Mfg. Co. ("Lyon" Steel), Aurora, Ill.
Manufacturing Equipment & Engineering Co. ("Meeco"), Framingham, Mass.
Myers Machine Tool Corp. ("Myers"), Columbia, Pa.
Vanderman Mfg. Co., Willimantic, Conn.
Western Tool & Mfg. Co., Springfield, O.

769-70—Benches (Manual Training)

Bemis A. L. ("Standard"), 72 Commercial, Worcester, Mass.
Christiansen C., 2219 W Grand av., Chicago, Ill.
Economy Mfg. Co. ("Economy"), 5350 Germantown, Phila., Pa.
Grand Rapids Hand Screw Co., Grand Rapids, Mich.
Oliver Machinery Co. ("Oliver"), Grand Rapids, Mich.
Neiderer, J., Co., 3409 S Main, Los Angeles, Cal.
Price W. R. Inc., 127 Fifth av, New York
Richards-Wilcox Mfg. Co. ("Wilcox"), Door Check & Spring Mfrs.), Aurora, Ill. *See adv index at end of book*
Welch, W. M., Scientific Co., 1516 Orleans, Chicago, Ill.

771— Benches (Molders')

Obermayer S. Co., 2563 W 18th, Chicago, Ill.
Western Tool & Mfg. Co. ("Champion"), Springfield, Ohio.

772—Benches (Movable & Stationary, Steel)

Aurora Steel Products Co,, 3d, Aurora, Ill.
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Continental Auto Parts Co. ("Continental"), 2207 E 17th, Columbus, Ind.
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. Y.
See adv index at end of book
Lyon Metallic Mfg. Co. ("Lyon"), Aurora, Ill.
Western Tool & Mfg. Co., Springfield, O.

773— Benches (Piano)

Art Novelty Co., Goshen, Ind.
Blue Bird Furniture Mfg. Co., 5607 Santa Fe av, Los Angeles, Cal.
Bohm Cabinet Co., 179 Magie, Rochester, N. Y.
Carrom Co. (The), Ludington, Mich.
Cook Bros. (For Tubing), 1746 Green, San Francisco, Cal.
Cook C. A. Co., Cambridge, Mass.
Economy Bench & Cabinet Co., 237 West av 26, Los Angeles, Cal.
Grand Ledge Chair Co., Grand Ledge, Mich.
Grand Rapids Fancy Furniture Co., Grand Rapids, Mich.
Harrison B. J. Son Co., Winsted, Conn.
Lamb Geo. L., Nappanee, Ind.
Logansport Furniture Co., Logansport, Ind.
Merriam A. Co., South Acton, Mass.
Michigan Chair Co., Grand Rapids, Mich.
National Piano Bench Co., 1433 Carroll av, Chicago, Ill.
New York Piano Stool & Mfg. Co., E Stroudsburg, Pa.
Northwestern Cabinet Co., Burlington, Ia.
Parker Chas. Co. (also Stool), Dept. H, Meriden, Conn.
Steger & Sons Piano Mfg. Co., 238 S. Wabash av, Chicago, Ill.
Tonk Mfg. Co. ("Tonk") 1912 Lewis av, Chicago, Ill.
Udell-Predock Mfg. Co., 2305 N B'way, St. Louis, Mo.

774— Benches (Portable)

Bailey Fred T. & Co. (For Pipe Work), North Scituate, Mass.
Henderson Elec. Co., Ampere, N. J.
Martin H. P. & Sons, Owensboro, Ky.
Standard Iron Works (Vise), 503 E 74th, New York

Benches (Saw)

See Saw Benches or Tables

775-6—*Benches (Wash Folding)

Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Davis Mfg. Co. ("Yankee"), Clinton, Maine.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book
Teepe, J. Chas., Inc., Mott & Vernon aves, Long Island City, N. Y.

Benches (Wire Drawing)

See Wire Drawing Machinery

777—Benders (Angle & Eye, Hand Power)

American Road Machinery Co. ("Pennock"), Kennett sq, Pa.
Champion Blower & Forge Co. ("Champion," For Bending Angles, Tees, Flats, etc), Lancaster, Pa.
Cleveland Punch & Shear Works, 3917 St. Clair av, Cleveland, Ohio
See adv index at end of book
Gordon Machinery & Mfg. Co., 1310 E 6th, Los Angeles, Cal.
Hinman D. A. & Co. (Also Ring & Hinge), Sandwich, Ill.
Kane & Roach, Niagara & Shonnard, Syracuse, N. Y.
Ryerson, Jos. T., & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Wallace Supplies Mfg. Co., 1312 Diversey P'kway, Chicago, Ill.
Williams, White & Co., 301 8th, Moline, Ill.

778— Benders (Conduit)

Austin M. B. & Co., 706 W Jackson bl., Chicago, Ill.
Bierdeman R. C. ("Star"), 1140 Farrell, Chicago, Ill.
Commercial Switchboard Mfg. Co., 1433 Delaware, Denver, Colo.
Cox J. Fillmore & Co., Bayonne, N. J.
Economy Elec. Spec. Co., 37 W. Van Buren, Chicago, Ill.
Gleason James & Co., 515 W Jackson blvd, Chicago, Ill.
Henderson Elec. Co., Ampere, N. J.
Hub Elec. Co. ("Star"), 2219 W. Grand av., Chicago, Ill.
Martin H. P. & Sons ("Martin" & "Pipe"), Dept. H, Owensboro, Ky.
Minneapolis Equipment Co., Minneapolis, Minn.
Rattan Mfg. Co., New Haven, Conn.
Rittenhouse A. E. Co. ("Rittenhouse"), Honeoye Falls, N. Y.
Roberts H. C. Elec. Supply Co., 11th & Race, Phila., Pa.
Skinner M. B. Co. ("Boss Hickey"), 562 W Washington, Chicago, Ill.
Steel City Electric Co. ("Fullman," Electric & Hand), 1207 Columbus av, Pittsburgh, Pa.
Thomas & Betts Co., 63 Vesey, New York.
Vanderman Mfg. Co., Willimantic, Conn.

779— Benders (Hook & Eye)

Kidder J. F. Mfg. Co., Burlington, Vt.
Kilmer M. D. & Co. (Eye Forming Machines), 6003 Quinby av, Cleveland, O.
See adv index at end of book

780— Benders (Lead Pipe)

Baird Pneumatic Tool Co., 432 Rialto bldg, Kansas City, Mo.
Buffum Tool Co. ("Swastika," Bending Springs), South Side, Louisiana, Mo.
Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.
Hub Elec. Co. ("Star"), 2219 W. Grand av., Chicago, Ill.
Mark Mfg. Co., Evanston, Ill.
Standard Iron Wks., 503 E 74tn, New York
Starbuck R. M. & Sons, Hartford, Conn.
Stortz Jno. & Son, 210 Vine, Phila., Pa.
Walworth Mfg. Co., 793 1st, S Boston, Mass.

781— Benders (Rail)

See also Rail Bending & Straightening Machines

Aldon Co. ("Jim Crow), 3338 W Ravenswood av, Chicago, Ill.
Buda Co. ("Buda," "Jim Crow" & Roller Rail Bender), Harvey, Ill.
Chambersburg Engineering Co. (Shop), Chambersburg, Pa.
Cleveland Punch & Shear Works, 3917 St. Clair av, Cleveland, Ohio
See adv index at end of book
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Dudgeon Richard (Hydraulic), 24 Columbia, New York
Elmes, Chas. F. Engineering Works, cor. Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Fox Bros. & Co., 126 Lafayette, New York
Frick & Lindsay Co. (Dlrs.), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Handlan-Buck Mfg. Co. ("Giant" & Samson"), 210 3rd, St. Louis, Mo.
Hardsocg Mfg. Co. (Single & Double Acting), Ottumwa, Ia.
Hardsocg Martin Co. ("Imperial" for Mine Rails), 922 South av, Pittsburgh, Pa.
Industrial Supply & Equipment Co., 4th & Vine, Phila., Pa.
Irving Mfg. & Tool Co., 157 Chambers, New York
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Kane & Roach, Niagara & Shonnard, Syracuse, N. Y.
Pettibone, Mulliken & Co. (Roller), 140 S Dearborn), Chicago, Ill.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Pittsburgh Trolley & Forge Co. ("Jim Crow," Double Acting, Roller, Eccentric, Ratchet, etc), 117 Water, Pittsburgh, Pa.
Q. & C. Co. ("Samson" "Q. & C." Girder), 90H West, New York
Reading Specialties Co., Reading, Pa.
Sherburne & Co. ("Sherburne"), 53 Oliver, Boston, Mass.
SOUTHWARK FOUNDRY & MACHINE CO., 1128 S. 4th, Phila., Pa.
See adv index at end of book
Stine S. B. (Plain & Ratchet), Osceola Mills, Pa.
Track Specialties Co., Inc. ("Trasco"), 2-4-6 Morris, New York
Union Drop Forge Co. ("Jim Crow"), 358 W Grand av, Chicago, Ill.
United Iron Works Inc., Kansas City, Mo. Mo.
Valley Forging Co., Verona, Pa.
Verona Tool Works ("Manning" Eccentric, etc.), Plum, Pittsburgh, Pa.
WATSON-STILLMAN CO. (Hydraulic), 38 Church, New York
See adv index at end of book
What Cheer Tool Co. ("Big Joe," "Little Joe"), What Cheer, Ia.
Williams, White & Co., 301 8th, Moline, Ill.
Zelnicker Walter Supply Co. ("Zelnicker" Dlr), 325 Locust, St. Louis, Mo.

782—Benders (Reinforcing Bar)

Chicago Builders Specialties Co. ("Acme"), 11 S La Salle, Chicago, Ill.
Concrete Steel Co., 42 B'way, New York
Electric Welding Co., Benedum Trees bldg, Pittsburgh, Pa.
Hinman D. A. & Co., Sandwich, Ill.
Kane & Roach, Niagara & Shonnard, Syracuse, N. Y.
Keystone Iron & Steel Wks., 37th & Santa Fe av, Los Angeles, Cal.
Koehring Co., Milwaukee Wis.
See adv index at end of book
McKenna Co. ("McKenna," "Reliable"), 1851 E 38th, Cleveland, O
Ransome Concrete Machinery Co., Dunellen, N. J.
Raymer Hardware Co., 58 E 5th, St. Paul, Minn.
Ryerson Jos. T. & Son, Inc., 2558 W. 16th, Chicago
See adv index at end of book
Steel & Iron Products Co. ("Hanson's" Improved "Ajax" Portable), 1911 Emerson av., Chicago, Ill.
Wallace Supplies Mfg. Co., 1312 Diversey pkwy, Chicago, Ill.

Benders (Ring)

See Benders, Angle & Eye, Hand Power

783— Benders (Tire)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Buffalo Forge Co., 490 B'way, Buffalo, N. Y.
Butts & Ordway Co. ("Boston"), 33 Purchase, Boston, Mass.
Chambersburg Engineering Co., Chambersburg, Pa.
Champion Blower & Forge Co., Lancaster, Pa.
Concord Axle Co., Penacook, N. H.
Illinois Iron & Bolt Co. ("I. I. & B. Co." Plain & Roller Bearing), Carpentersville, Ill.
Indiana Foundry Co., Indiana, Pa.
Kane & Roach ("Monarch"), Syracuse, N. Y.
Potts H. Co., Lancaster, Pa.
Rockford Mfg. Co. ("Rockford"), Rockford, Ill.
San Francisco Enging Co., 322 6th, San Francisco, Cal.
Southern Skein & Foundry Co. (Common & Roller Bearing), E Lake, Chattanooga, Tenn.
Wallace Supplies Mfg. Co., 1312 Diversey P'kway, Chicago, Ill.
Williams White & Co. (Also Welders), Moline, Ill.

784— Bendings (Wood)

Delphos Bending Co. (Body), Delphos, O.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Igoe Brothers, 61-73 Metropolitan av., Brooklyn, N. Y.
See adv index at end of book

Bends (Pipe)

See Pipe Bends & Coils

785— Bends (Return)

Crane Co., 836 S. Michigan av., Chicago, Ill. *See adv index at end of book*
Durion Castings Co. (Acid Proof), Dayton, O.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
LUNKENHEIMER CO. (Brass), Executive offices & factories, Beekman & Waverly, Cincinnati, O.
See adv index at end of book
McNab & Harlin Mfg. Co., Paterson, N. J.
McRae & Roberts Co. (Brass), 100 S. Campbell av., Detroit, Mich.
Malleable Iron Fittings Co. ("M. I. F. Co."), Brandford, Conn.
Walworth Mfg. Co., 82H Pearl, Boston, Mass.
Williams D. T. Valve Co., Cincinnati, O.

786— Bends (Water Closet)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Central Foundry Co. ("R. T."), 41 E. 42nd, New York
Clow Jas. B. & Sons, Franklin & Harrison, Chicago, Ill.
Compound Injector & Specialty Co. ("Dehn's"), 419 N Laramie av, Chicago, Ill.
Federal-Huber Co., 234 N Halsted, Chicago, Ill.
Fleck Bros. Co., 44 N 5th, Phila., Pa.
Greenwood Mfg. Co. ("Boosey's"), 5140H Greenwood, Detroit, Mich.
Hess & Sackett, Inc., 601 W Belgrave av, Huntington Park, Cal.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
McDonald A. Y. Mfg. Co., Dubuque, Ia.
Miller Chas. A. Co., Sturgis, Mich.
Park & McKay ("Young"), 55 Bagley av, Detroit, Mich.
Rice Edw. J. & Son, 203 Main W, Rochester, N. Y.
Sanitary Co. (Iron), Dept. H, Linfield, Pa.
Smith & Abbott Co., Portland, Me.
Street & Kent Mfg. Co., 549 Fulton, Chicago, Ill.
Trenton Brass & Machine Co., Trenton, N. J.
Webb F. W. Mfg. Co., 56 Elm, Boston, Mass.

787— *Benedict Nickel

AMERICAN BRASS CO. (Rods, Sheet Tubing & Wire), Waterbury, Conn.
For branch offices see adv index at end of book

788— Benzaldehyde

Chemical Co. of America, Inc. ("F. S. C."), 46 Murray, New York
Ciba Co. Inc., 134 Cedar, New York
Commonwealth Chemical Corp., 25 W. 43rd, New York
Florasynth Laboratories, Inc., Olmstead & Starling av, New York
Innis, Speiden & Co., Inc. (Importers), 46 Cliff, New York
Ising C. E. Corp., 61 Bradford av, New York
McKesson & Robbins, 91 Fulton, New York
MATHIESON ALKALI WORKS, 25 W 43rd, New York
See adv index at end of book
Semet-Solvay Co., Syracuse, N. Y.
Standard Chemical Co., Bayonne, N. J.
Van Dyke & Co., 6 Platt, New York
Williamsburg Chemical Co., 230 Morgan av, Brooklyn, N. Y.

788a— Benzidine

Butterworth-Judson Corp. (Base & Sulphate), 30 Church, New York
Chemical Co. of America Inc. (Base & Sulphate), 46 Murray, New York
DU PONT E. I. DE NEMOURS & CO. INC., Dyestuffs Dept. (Base), Wilmington, Del. *See adv index at end of book*
Montcalm Chemical Works (Base), 220 N Illinois, Indianapolis, Ind.
National Aniline & Chemical Co., Inc. (Base), 40 Rector, New York

789— Benzine

Atlantic Refining Co., 260 S. Broad, Phila, Pa.
Emery Mfg. Co., Bradford, Pa.
Petrolia Refining Co., Petrolia, Pa.
Pure Oil Co., Lafayette bldg, Phila., Pa.
Standard Oil Co. of N. Y. ("Socony"), 555 W 25th, New York
Sun Co., 1240 H. Finance bldg, Phila., Pa.
Texas Company, The, Dept. D, 17 Battery pl, New York
See adv index at end of book
Valley Oil Refinery, Stockton & Palhemus, San Jose, Cal.
Waverly Oil Works Co., 54th & A. V. R. R., Pittsburgh, Pa.

790— Benzine Substitute

Duryea Mfg. Co. ("Detergine"), Bayonne, N. J.

791— Benzoate of Soda

Commonwealth Chemical Corp., 25 W 43d, New York
Cooper & Cooper Inc., 23H Cliff, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Greeff W. & Co., 73 Front, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Herrick & Voight, 99 John, New York
Heyden Chemical Works, Garfield, N. J.
Hooker Electro Chemical Co., 25 Pine, New York
Lyon Julian W. (Imp.), 75 Fulton, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

MATHIESON
Liquid Chlorine-Caustic Soda-Soda Ash
Bleaching Powder-Anhydrous Ammonia
Modified Virginia Soda-Bicarbonate of Soda
Commonwealth Chemical Corporation
Benzoate of Soda U. S. P.
Odorless, free from foreign taste, and of highest purity and preserving power.
Coumarin Benzaldehyde Benzoic Acid
Samples sent on request
The MATHIESON ALKALI WORKS Inc
25 WEST 43d STREET NEW YORK CITY

Merck & Co., 45 Park pl, New York
Semet-Solvay Co., Syracuse, N. Y.
Seydel Chemical Co., 86 Front, Jersey City, N. J.
Seydel Mfg. Co., 88 Forrest, Jersey City, N. J.
Western Gas Construction Co., 1431 Buchanan, Fort Wayne, Ind.

791a— Benzoates

Fergusson, Alex. C., Jr., 474 Chestnut, **Philadelphia, Pa.**
See adv index at end of book
Ising C. E. Corp. (Benzyl), 61 Bradford av, New York
Seydel Chemical Co. (of Ammonia, of Beta-Napthol, of Benzyl, of Ethyl, of Lithium, of Mercury, of Nethyl), 86 Front, Jersey City, N. J.

791b— Benzol

Bethlehem Steel Co. (Pure & 90%), Bethlehem, Pa.
Cooper, Chas. & Co., 194H Worth, New York
Cooper & Cooper Inc., 23H Cliff, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
JORDAN COAL TAR PRODUCTS CO. INC., 15 Cliff, New York
Koppers Products Co., 800 Union Arcade, Pittsburgh, Pa.
McAdam Charles Co., 2717 S Troy, Chicago, Ill.
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Montcalm Chemical Works (Para Nitro Chlor), 220 N Illinois, Indianapolis, Ind.
Riverside Mfg. Co., 4528 S B'way (Pure), St. Louis, Mo.
Western Aniline Products Co., Hammond, Ind.

791c— Benzol Recovery Apparatus

Koppers Co., Union Arcade, Pittsburgh, Pa.
Wilputte Coke Oven Corp., 469 5th av, New York

792— Benzol Refiners

Barrett Co., 40H Rector, New York
Cabot Samuel, Inc., 141 Milk, Boston, Mass.
Hooker Electro Chemical Co. (Monochdorbenzol), 25 Pine, New York
Klipstein A. & Co., 644 Greenwich, New York
Petroleum Products Co., 2917 Neville, Pittsburgh, Pa.
Semet-Solvay Co. (Water White for Gas Enriching Purposes), Syracuse, N. Y.
United Gas Improvement Co., Broad & Arch, Phila., Pa.

792a— Benzoyl Chloride

Chemical Co. of Amer., Inc., 46 Murray, New York
Hooker Electro Chemical Co., 25 Pine, New York
Hunnell & Co. Inc., 136 Liberty, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Niagara Alkali Co., Niagara Falls, N. Y.
Seydel Mfg. Co., 88 Forrest, Jersey City, N. J.
Van Dyk & Co., 6 Platt, New York

792b— Benzyl Acetate

Chiris, Antoine Co., 147 Waverly, New York
Commonwealth Chemical Corp., 25 W 43d, New York
Florasynth Laboratories, Inc., Olmstead & Starling avs, New York
Ising C. E. Corp., 61 Bradford av, New York
Van Dyk & Co., 6 Platt, New York

792c— Benzyl Alcohol

Florasynth Laboratories, Inc., Olmstead & Starling avs, New York
Harmer Laboratories Co., 2 S 21st, Phila., Pa.
Ising C. E. Corp., 61 Bradford av, New York
Seydel Chemical Co., 120 Broadway, New York
Seydel Mfg. Co., 88 Forrest, Jersey City, N. J.
Van Dyk & Co., 6 Platt, New York

792d— Benzyl Chloride

Chemical Co. of Amer., Inc., 46 Murray, New York
Ciba Co. Inc., 134 Cedar, New York
Semet-Solvay Co., Syracuse, N. Y.
Standard Chemical Co., ft W 45th, Bayonne, N. J.
Van Dyk & Co., 6 Platt, New York

793—Berths & Bunks (Metallic)

Am. Bridge Co., 71 B'way, New York
Art Metal Construction Co., Jamestown, New York
DeRemer Blatchford Co. ("Tiger"), Dept. H, Railway Exchange bldg, Chicago, Ill.
See adv index at end of book
Fort Pitt Bedding Co. (Bunks), Dept. H, Liverpool & Preble av N S, Pittsburgh, Pa.
Foster Bros. Mfg. Co., Utica, N. Y.
Haggard & Marcussen Co. ("Tiger"), 1109 W 37th, Chicago, Ill.
Schomer Henry Co., 1314 S. Kilbourn av., Chicago, Ill.
Simmons Co., Kenosha, Wis.
Southern-Rome Co. ("Rome"), 623 W Pratt, Baltimore, Md.
Union Bed & Spring Co., 4345H 5th av., Chicago, Ill.

793a— Beryllium

Foote Mineral Co. (Imp.), 107 N 19th, Phila., Pa.

793b— Beryllium Nitrate

Foote Mineral Co. (Imp.), 109 N 19th, Phila., Pa.

793c— Beryllium Silicate

Foote Mineral Co., Inc., 107 N 19th, Phila., Pa.

794— Betanaphthol

Calco Chemical Co., Bound Brook, N. J.
Fergusson, Alex. C., Jr., 474 Chestnut Philadelphia, Pa.
See adv index at end of book
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Sherwin-Williams Co., Cleveland, O.
Sparks John C., 42 Warren, New York

794a—*Beta Naphthol Apparatus

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

795— Bevels

Athol Mach. & Foundry Co. (Universal), Athol, Mass.
Brown & Sharpe Mfg. Co., Dept. H, Providence, R. I.
Chapin-Stephens Co. (Ship Carpenters, etc), Pine Meadow, Conn.
Disston Henry & Sons, Tacony, Philadelphia, Pa.
Hart, H. C. Mfg. Co. (All Steel Bevel & Square), Unionville, Conn.
Sawyer Tool Mfg. Co. (Combination), Ashburnham, Mass.
Southington Hardware Co., Southington, Conn.

(Continued on following page)

Bevels—Continued

Stanley Rule & Level Co., New Britain, Conn.
Starrett L. S. Co. (Combination Universal, etc.), Athol, Mass.
Williams William Jr. ("Reeves" Universal), New Britain, Conn.

Bibbs

See Cocks & Bibbs

796—Bibs (Barbers' Rubber)

Davol Rubber Co., 69 Point, Providence, R. I.
Miller Rubber Co., Akron, O.
Tyer Rubber Co., Andover, Mass.

797— Bi-Carbonate of Soda

See also Sodium, Bicarbonate)

American Chemical Co., 708 Gwynne bldg, Cincinnati, O.
Breslauer A. (Industrial Chemicals), Am. Natl. Bk. bldg, San Francisco, Cal.
Church & Dwight Co., 27 Cedar, New York
Diamond Alkali Co., First Natl Bank bldg, Pittsburgh, Pa.
MATHIESON ALKALI WORKS ("Eagle" & "Thistle" Brands), 25 W 43d, New York
See adv index at end of book
Mechling Bros. Mfg. Co., Camden, N. J.
Michigan Alkali Co., Wyandotte, Mich.
National Electrolytic Co., Inc. ("Niagara"), Niagara Falls, N. Y.
Pennsylvania Salt Mfg. Co. ("Natrona"), Widener bldg, Phila., Pa.
Wiarda John C. & Co. (Jobbers), 83 Provost, Brooklyn, N. Y.
See adv index at end of book

Bi-Carbonate of Tin

See Tin, Bi-Chloride

798— *Bicycle Frame Parts

New England Pressed Steel Co., Natich, Mass.

799— Bicycle Mfrs.

See also Motor Cycles

Arnold, Schwinn & Co., 1718 N Kildare av, Chicago, Ill.
COLSON CO. (THE), Elyria, O.
See adv index at end of book
Davis Sewing Machine Co. ("Dayton Yale," "National"), Dayton, O.
Emblem Mfg. Co., Angola, N. Y.
Excelsior Cycle Store, 5340 B'way, Chicago, Ill.
Fowler-Manson-Sherman Cycle Mfg. Co., 1447 Austin av, Chicago, Ill.
Gendron Wheel Co. ("Gendron"), Toledo, O.
Great Western Mfg. Co. ("Crown," "Reading Standard," "America"), La Porte, Ind.
Hendee Mfg. Co. ("Indian"), Springfield, Mass.
Jarvis W. B. Co. ("Ty Cobb"), Grand Rapids, Mich.
Johnson's Iver Arms & Cycle Works ("Iver Johnson"), Fitchburg, Mass.
Laycock T. B. Son & Co. (Juvenile), Indianapolis, Ind.
Maybro Co. ("Maybro"), 80H Exchange, Binghamton, N. Y.
Mead Cycle Co., 162 N Clinton, Chicago, Ill.
Miami Cycle & Mfg. Co. ("Racycle," "Hudson," "Flying Merkel," "Miami" power bicycles), Middletown, Ohio
Motor Car Supply Co. ("Unxld"), 1453 Michigan av, Chicago, Ill.
Premier Cycle Wks., 162 N Clinton, Chicago, Ill.
Reading Cycle Mfg. Co., Reading, Pa.
Rome Bicycle Mfg. Co., Rome, N. Y.
SHAPLEIGH HDWE. CO. (Rugby & Shapleigh Special), 4th & Washington, St. Louis, Mo.
Snyder H. P. Mfg. Co., Little Falls, N. Y.
Strohm W. A. & Bro., 1612 W Lake, Chicago, Ill.
Thayer H. N. Co., Erie, Pa.
Toledo Metal Wheel Co., Toledo, O.
Westfield Mfg. Co., Westfield, Mass.

800—Bicycle Parts & Sundries

See also Bolts, Bicycles; also Chains, Bicycle; also Nuts, Bicycle; also Pumps, Bicycle; also Screws, Bicycle; also Springs, Bicycle; also Tubing, Bicycle

Am. Tube & Stamping Co. (Pressed Steel), Dept. H, Bridgeport, Conn.
Beckley-Ralston Co., 1801 S Michigan av, Chicago, Ill.
Bevin Bros. Mfg. Co. (Toe Clips, Trouser Guards, etc), East Hampton, Conn.
Brimm Leo J., Inc., 119 W. 63d, New York
Collmer Bros., South Bend, Ind.
Colson Co. (The) (Bicycles & Juvenile Tricycles), Elyria, O.
See adv index at end of book
Crosby Co. (Stamped Steel Fittings & Ball Cups), 183 Pratt, Buffalo, N. Y.
Forsyth Metal Goods Co. (Chain Guards, etc), E Aurora, N. Y.
Harris & Reed, 1500 W 15th, Chicago, Ill.
Hydraulic Pressed Steel Co. (Sprockets), 3152 E 61st, Cleveland, O.
K. & C. Mfg. Co. (Lock Joint Wood Rims), Henniker, N. H.
Matthews H. A. Mfg. Co., Seymour, Conn.
Moore Drop Forging Co., Springfield, Mass.
Oakes Co. (Stamped Parts), Roosevelt & Wheeler, Indianapolis, Ind.
Page Storms Drop Forge Co. (Drop Forged), Chicopee, Mass.
Parish & Bingham Co. (Sprockets), Madison av & W 106th, Cleveland O
Perry-Fay Mfg. Co. (Screw Machine Products), Elyria, O.
Standard Steel Tube Co., Toledo, O.
Tiley, Pratt Co. (Spokes, Nipples, etc.), Essex, Conn.
Torrington Co., The Standard Plant (Spokes & Nipples, Pedals & Toe Clips), Torrington, Conn.
See adv index at end of book
Troxel Mfg. Co. (Saddles, Mud Guards), Elyria, Ohio
United States Automatic Co. (Screw Machine Products), Amherst, O.
Western Automatic Mach. Screw Co., Elyria, O.
Wilson L. Novelty Works, 222 S Clinton, Chicago, Ill.
Zeigler Mfg. Co., Alexandria, Ind.

800a— Bicycles (Juvenile)

American Nat'l Co., Toledo, O.
COLSON CO. (THE), Dept. H, Elyria, O.
See adv index at end of book

801— Bidets

Dalton-Ingersoll Mfg. Co., 365 Atlantic av, Boston, Mass.
Haines, Jones & Cadbury Co. ("Vitreo"), 1136 Ridge av, Phila., Pa.
Hall Mfg. Co., Harrison, N. J.
Maddocks, Thomas, Sons Co. ("Madval"), Euring & Perry, Trenton, N. J.
Mott J. L. Iron Works ("Cascade," "Dunbar," "Duval," "Geyser"), Trenton, N. J.
Peck Bros. & Co., New Haven, Conn.
Sanitas Mfg. Co. ("Sanitas"), 105 Washington, Boston, Mass.

801a—Billet Rotating Mechanism

Brown Hoisting Machy. Co., 4403 St. Clair, N. E., Cleveland, O.
See adv index at end of book
Johnston & Jennings Co., Addison rd & N. Y. C. R. R., Cleveland, O.

802—Billets, Blooms & Slabs (Steel)

See also Ingots, Steel

Allegheny Forging Co. (Billets), Keennan bldg, Pittsburgh, Pa.
American Bridge Co. (Open Hearth Billets & Blooms), 30 Church, New York
American Rolling Mill Co. ("American Ingot Iron"), Middletown, O.
American Steel Co. (Jobbers, Blooms, Billets, etc), Park bldg, Pittsburgh, Pa.
American Tube & Stamping Co. (Open Hearth Billets, Blooms & Slabs, Brand "Swedoh"), Bridgeport, Conn.
Andrews Steel Co. (Basic Open Hearth Steel Forging Billets & Slabs, Newport, Ky.
Ashland Steel Co. (Bessemer Steel Billets & Slabs), Ashland, Ky.
Atlantic Steel Co., (Basic Open Hearth Billets), Atlanta, Ga.
Bethlehem Steel Co. (Acid & Basic Open Hearth Billets), Bethlehem, Pa.
Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
Briggs & Turivas (Dirs.), 110H S Dearborn, Chicago, Ill.
Carbon Steel Co. (Straight Carbon, Special Analysis, Alloy, etc.), Dept H, ft. 32d, Pittsburgh, Pa.
Carnegie Steel Co. (Open Hearth & Bessemer Billets, Blooms & Slabs; also Forging Billets & Blooms), Carnegie bldg, Pittsburgh, Pa.
Central Steel Co., Dept. H, Massillon, O.
Colorado Fuel & Iron Co. (Bessemer & Open Hearth Billets & Blooms), Denver, Colo.
Crucible Steel Co. of America (Open Hearth & Bessemer Billets), 17 E 42d, New York
Donner Steel Co., Inc., 475 Abbott rd, Buffalo, N. Y.
Duke Steel Co., Inc., 191 Pearl, New York
Electric Steel & Forge Co., 6600 Grant av, Cleveland, Ohio
Electro Steel Co. (Acid & Basic Open Hearth Billets), Curry bldg, Pittsburgh, Pa.
FISHEL & MARKS CO., ft of Krakow av, Cleveland, O.
See adv index at end of book
Gulf States Steel Co. (Open Hearth Steel Billets, Blooms & Slabs), Birmingham, Ala.
HARRISBURG PIPE & PIPE BENDING CO., Herr, nr 10th, Harrisburg, Pa.
Harron Spring Co., Milwaukee, Wis.
Hess Steel Corp. (Electric), Loney's la & Biddle, Baltimore, Md.
Horner W. S. & Co. (Also Iron), Oliver bldg, Pittsburgh, Pa.
Illinois Steel Co. (Bessemer & Open Hearth Billets only), 208 S La Salle, Chicago.
Inland Steel Co. (Open Hearth Billets, Blooms & Slabs), 38 S Dearborn, Chicago, Ill.
Jessop Wm. & Sons, Inc., 91 John, New York
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Jones & Laughlin Steel Co. (Bessemer & Open Hearth Billets, Blooms, Slabs, etc), Ross, Pittsburgh, Pa.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
Kokomo Steel & Wire Co. (Open Hearth), Kokomo, Ind.
La Belle Iron Works (Open Hearth Billets, Blooms, etc), Steubenville, O.
Laclede Steel Co. (Blooms), Arcade bldg, St. Louis, Mo.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Leavitt C. W. & Co., 34 Church, New York
See adv index at end of book
Llewellyn Iron Works (Billets), 1200H N Main, Los Angeles, Cal.
Lukens Steel Co. (Open Hearth Billets, Slabs, Forging Blanks, etc), Coatesville, Pa.
Midvale Co. (Carbon & Alloy Billets), Nicetown, Phila., Pa.
Mudge Edmund W. & Co. (Steel Bars), Frick bldg, Pittsburgh, Pa.
Pardee C. Works (Open Hearth Billets & Blooms), Perth Amboy, N. J.
Pittsburgh Steel Co. (Open Hearth Billets & Blooms), 5th av & Grant, Pittsburgh, Pa.
Republic Iron & Steel Co. (Bessemer & Open Hearth Billets & Blooms), Youngstown, O.
See branch offices alphabetical section
Sharon Steel Hoop Co. (Open Hearth Steel Billets), Sharon, Pa.
Smith, David H., & Sons, Foot of 51st, Brooklyn, N. Y.
See adv index at end of book
Southern California Iron & Steel Co., E 4th & Mateo, Los Angeles, Cal.
Swedish Steel Sales Co., Suite 1420, Grand Central Terminal bldg, New York
Tacony Steel Co. (Billets & Blooms Only), Franklin Bank bldg., Phila., Pa.
Tennessee Coal, Iron & R. R. Co. (Open Hearth Billets, Blooms & Slabs), Birmingham, Ala.
Tremont Nail Co. (Forging Billets), W Wareham, Mass.
United Alloy Steel Corp. (Open Hearth & **Elec. Alloy Steel Bars, Billets, Blooms** & Slabs), Canton, Ohio
Van Winkle H. L. Co. (Imp.), 160H Beale, San Francisco, Cal.
Vulcan Crucible Steel Co. (Open Hearth), Aliquippa, Pa.
Vulcan Mfg. Co., 1200 4th av, S Seattle, Wash.
Washburn Wire Co. (Billets Only), Phillipsdale, R. I.
Weirton Steel Co., Weirton, W. Va.
Wheeling Steel Corp. (Bessemer Billets, Blooms & Nail Slabs), Wheeling, W. Va.
Whitaker-Glessner Co. (Basic Open Hearth), Portsmouth, O.
WICKWIRE SPENCER STEEL CORP. (Steel Billets), 41 East 42nd, New York *See adv index at end of book*
WOOD ALAN IRON & STEEL CO. ("A. W." Basic Open Hearth Billets, Blooms & Slabs), Widener bldg, Phila., Pa.
See adv index at end of book
Youngstown Sheet & Tube Co. (Bessemer & Open Hearth Billets, Blooms & Slabs), Youngstown, O

803—Billets, Blooms & Slabs (Vanadium Steel)

Allegheny Forging Co. (Billets), Keenan bldg, Pittsburgh, Pa.
Behrstock L., 763 W Van Buren, Chicago, Ill.
Bethlehem Steel Co. (Billets), South Bethlehem, Pa.
Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
Carbon Steel Co. (Billets & Slabs), ft. 32nd, Pittsburgh, Pa.
Carnegie Steel Co. (Blooms & Billets), Carnegie bldg., Pittsburgh, Pa.
Carpenter Steel Co. (Billets), Reading, Pa.
Central Steel Co. ("Agathon" Bars, Billets & Slabs), Massillon, O.
Crowley John A. Co., 120 Liberty, New York
Crucible Steel Co. of America (Billets), 17 E 42d, New York
Donner Steel Co., Inc., 475 Abbott rd, Buffalo, N. Y.
Duke Steel Co., Inc., 191 Pearl, New York
Erie Forge Co. (Blooms & Billets & all other kinds of steel), Erie, Pa.
Halcomb Steel Co. (Billets), Syracuse, N. Y.
HARRISBURG PIPE & PIPE BENDING CO., Herr nr 10th, Harrisburg, Pa.
Illinois Steel Co., 208 S La Salle, Chicago.
Iron Trade Products Co. (Billets), Farmers Bank bldg, Pittsburgh, Pa.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Swedish Steel Sales Co., Suite 1420, Grand Central Terminal bldg, New York
United Alloy Steel Corp. (Blooms, Billets & Slabs), Canton, Ohio
Vanadium Alloys Steel Co. (Billets), Latrobe, Pa.

Vulcan Crucible Steel Co. (Billets), Aliquippa, Pa.
WOOD ALAN IRON & STEEL CO., Widener bldg, Philadelphia, Pa.
See adv index at end of book

804— Billets (Chrome Steel)

Allegheny Forging Co., Keenan bldg, Pittsburgh, Pa.
Central Steel Co. ("Agathon" Bars, Billets & Slabs), Massillon, O.
Crucible Steel Co. of America, 17 E 42d, New York
Duke Steel Co., Inc., 191 Pearl, New York
Frasse Peter A. & Co, Inc., 417 Canal, New York
Illinois Steel Co., 208 S La Salle, Chicago.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Southern California Iron & Steel Co., E 4th & Mateo, Los Angeles, Cal.
Swedish Steel Sales Co., Suite 1420, Grand Central Terminal bldg, New York
Wood Alan Iron & Steel Co., H, Widener bldg, Phila., Pa.

805— Billets (Forging)

Allegheny Forging Co., Keenan bldg., Pittsburgh, Pa.
Am. Rolling Mill Co., Middletown, Ohio
Andrews Steel Co. (Basic Open Hearth), Newport, Ky.
Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
Briggs & Turivas (Dirs.), 110H S Dearborn, Chicago, Ill.
Camden Forge Co., Camden, N. J.
Carbon Steel Co. (Open Hearth), ft. 32nd, Pittsburgh, Pa.
Central Steel Co. ("Agathon" Bars, Billets and Slabs), Massillon, O.
Duke Steel Co., Inc., 191 Pearl, New York
Gulf States Steel Co., Birmingham, Ala.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Kokomo Steel & Wire Co. (Open Hearth), Kokomo, Ind.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book

Mesta Machine Company
Pittsburgh, Pa., U. S. A.

Morgan Engineering Co., Alliance, O.
Pettis W. W. Co., 416-417 First National Bank bldg, Cincinnati, O.
Southern California Iron & Steel Co., E 4th & Mateo, Los Angeles, Cal.
Standard Steel & Wire Co., 1408 Cortland, Chicago, Ill.
Taylor N. & G. Co., 300 Chestnut, Philadelphia, Pa.
Wood Alan Iron & Steel Co., H, Widener bldg, Phila., Pa.

806—Billets (Manganese Bronze)

American Manganese Bronze Co., 3501 Rhawn, Philadelphia, Pa.
Cramp, Wm., & Sons Ship & Engine Bldg. Co., Richmond & Norris, Phila., Pa.

807— Billets (Nickel Steel)

Allegheny Forging Co., Keenan bldg, Pittsburgh, Pa.
Carbon Steel Co., ft. 32nd, Pittsburgh, Pa.
Central Steel Co. ("Agathon" Bars, Billets and Slabs), Massillon, O.
Crowley John A. Co., 120 Liberty, New York
Crucible Steel Co. of America, 17 E 42d, New York
Donner Steel Co., Inc., 475 Abbott rd, Buffalo, N. Y.
Duke Steel Co., Inc., 191 Pearl, New York
Frasse Peter A. & Co. Inc., 417 Canal, New York
Harrisburg Pipe & Pipe Bending Co., Herr, nr 10th, Harrisburg, Pa.
Illinois Steel Co., 208 S La Salle, Chicago, Ill.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
United Alloy Steel Corp., Canton, O.
Wood Alan Iron & Steel Co., H, Widener bldg, Phila., Pa.

807a— *Billets (Wood)

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

808— Billets & Slabs (Iron)

Ewald Iron Co. ("Tennessee" Charcoal Bloom Hammered Iron Billets), Louisville, Ky.
Iron & Ore Corp. (Imp.), 11 B'way, New York
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Krenz Oscar Copper & Brass Works, 612 Bryant, San Francisco, Cal.
Swedish Steel Sales Co., Suite 1420, Grand Central Terminal bldg, New York
Whitaker-Glessner Co., Portsmouth, O.

809—Billiard Table Beds (Slate)

American Slate Co., Easton, Pa.
Bangor Structural Slate Co., Bangor, Pa.
Durick, Keenan & Co., Fair Haven, Vt.
Fair Haven Marble & Marbleized Slate Co., Fair Haven, Vt.
Lehigh Structural Slate Mfg. Co., Bangor, Pa.
O'Day Bros., Hydeville, Vt.
Penrhyn Slate Co., Hydeville, Vt.
PHOENIX SLATE CO., Penna. bldg, Wind Gap, Pa.
Ribble, R. W., & Co., First & B'way, Bangor, Pa.
Slatington Slate Co., Slatington, Pa.
STRUCTURAL SLATE CO., THE, 101 Marietta, Pen Argyl, Pa. With Natural Slate Blackboard Co., Pen Argyl.
See adv index at end of book

810— Billies (Policemen's)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Buchheimer Geo. H. (Leather), 508 Ann, Baltimore, Md.
Estes E. B. & Sons, 364 5th av, New York. *See adv index at end of book*

Binders

See Harvesters, Various Kinds; also Subclassifications Following

Binders (Core)

See Compounds, Core

811— Binders (Corn)

Acme Harvesting Machine Co. ("Acme"), Peoria, Ill.
Deere John Harvester Works (also Grain), East Moline, Ill.
Emerson Brantingham Co. ("E. B. Osborne"), Rockford, Ill.
International Harvester Co. ("Deering," "McCormick," "Milwaukee"), H, Harvester bldg, Chicago, Ill.
Massey-Harris Harvester Co. ("Johnston"), Batavia, New York
Moline Plow Co. ("Adriance"), Moline, Ill.
Wood Walter A. Mowing & R. Mach. Co. ("New Century"), Hoosick Falls, N. Y.

812— Binders (Load)

Advance Car Mover Co., Appleton, Wis.
American Logging Tool Co. ("Benjamin"), Evart, Mich.
Frick & Lindsay Co. (Dirs.), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Gideon Cooperage Co., 812 Olive, St. Louis, Mo.
Goodyear A. B. ("Goodyear"), Bloomdale, O.
Norris Bros., Robinson, Ill.
Ransome Concrete Machinery Co. ("Oshkosh" Log or Load Binders), Dunellen, N. J.
Stacy Eugene C. ("Stacy" & "Jumbo" Log or Lumber), Tiffin, O.

813— Binders (Loose Leaf)

Dawson Mfg. Co., 312 N 2nd, St. Louis, Mo.
Flach & Benedict, Inc., 344 Crocker, Los Angeles, Cal.
Hadley, Chas. R., Co., 330 N Los Angeles, Los Angeles, Cal.
Heinn Co. ("Badger" Catalog), 354H Florida, Milwaukee, Wis.
Isaac Bros., 425 S Wall, Los Angeles, Cal.
Kellaway-Ide Co., 312 E 3d, Los Angeles, Cal.
Klipto Co., Inc. ("Klipto"), Mason City, Iowa
Laughlin Records Co., 955 61st, Oakland, Cal.
Loopost Binder Co. ("Loopost"), 225 E 4th, Los Angeles, Cal.
McBee Binder Co., Athens, O.
Mchler, A. ("So Easy"), 416 S Dearborn, Chicago, Ill.
Peck Spring Co. (Springs), Plainville, Conn. *See adv index at end of book*
Sieber Products Mfg. Co., 4000-4006 Laclede av., St. Louis, Mo.
Stimpson, Edwin B., Co. (Posts & Screws for), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Wallace-Seagrave Co., 328 Winston, Los Angeles, Cal.
Western Lithograph Co. ("Welco"), 600 E 2d, Los Angeles, Cal.
Western Loose Leaf Co., 543 Clay, San Francisco, Cal.
Wingate Bindery ("Wingate Tray"), 1204 19th, Bakersfield, Cal.

814— Binders (Rice)

International Harvester Co. ("McCormick," "Deering"), Harvester bldg, Chicago, Ill.

815— Binding (Carpet)

Knapp Rubber Binding Co. (Rubber), 31 E 17th, New York
Painesville Metallic Binding Co., Painesville, O.
Phoenix Trimming Co., 2008H N. Racine av., Chicago, Ill.

815a—Binding (Oil Cloth, Etc.)

Gould's M. Son & Co. (Metallic), 115 Lafayette, Newark, N. J.
Judd H. L. Co. (Metallic), 87 Chambers, New York
Painesville Metallic Binding Co. (Metallic), Painesville, O.
Zenite Metal Co., Indianapolis, Ind.

815b— Binding Posts (Radio)

HOWARD RADIO CO., INC., 451-469 E Ohio, Chicago
See adv index at end of book

816—Binding & Gimps (Automobile & Furniture)

Backstay Machine & Leather Co. (Imitation Leather Welts & Bindings), Union City, Ind.
Bailey G. W. Co. (Imitation Leather Gimps), Brockton, Mass.
Brooks Geo. & Son Co. (Upholstery), 5423 Wyalusing, Phila., Pa.
Cleveland Tanning Co. (Leather Welts, Gimps), Denison av & B. & O. R. R., Cleveland, O.
Eastlake Mfg. Co. (Cotton), Adams av & Leiper, Philadelphia, Pa.
Hoffman-Corr Mfg. Co., 313 Market, Phila., Pa.
Horstmann Wm. H. Co. (Silk), 5th & Cherry, Phila., Pa.
Novelty Yarn Co., 2304 Waterloo, Phila., Pa.
Painesville Metallic Binding Co. (Metallic Binding & Stuff Plates), Painesville, O.
Russel Mfg. Co. ("Rusco" Cotton), Dept. H, Middletown, Conn.
Stark Textile Co. (Silk Furniture Gimps), Valatie, N. Y.
United States Trimming Co. (Silk), 1410 N. 6th, Phila., Pa.
Wade Mfg. Co. (Imitation Leather Welts), Brockton, Mass.
Woodward & Cochey, Inc., 220 Institute pl, Chicago, Ill.

817— Binnacles

Hadlock W. E. & Co., 136 State, Boston, Mass.
Hand John E & Sons Co. (Steering Pedestal), 208 Chestnut, Phila., Pa.
Kelvin & Wilfred O. White Co., 112 State Boston, Mass.
Keuffel & Esser Co., Hoboken, N. J.
Kuner Max Co., 804 1st av, Seattle, Wash.
Merrill's R. Sons, 66 South, New York
National Marine Lamp Co., Forestville, Conn.
Nautical Instruments Mfg. Co., Inc., 82 Beaver, New York
Negus T. S. & J. D., 140 Water, New York
Riggs & Bro. (Compensating), 310 Market, Phila., Pa.
Ritchie E. S. & Sons, Brookline, Mass.
Sherman Eugene M. (Metal & Wood), Belleville, Wash.
Wenle Louis Co., 6 California, San Francisco, Cal.

818— Binoculars

American Thermos Ware Co. ("Autocrat," "Perplex"), 16 Warren, New York
Bausch & Lomb Optical Co., Rochester, N. Y.
Brown Hoisting Machy. Co. (The), 4403 St. Clair, N E, Cleveland, Ohio
See adv index at end of book
Goerz C. P. American Optical Co. ("Triedler"), 317 E 34th, New York
Gundlach-Manhattan Optical Co., Rochester, N. Y.
King F. W. Optical Co. ("Megaphos," "Busch," "Le Maire," "Le Fils"), Euclid Arcade bldg, Cleveland, Ohio
Leitz Ernest, 60 E 10th, New York
Link-Belt Company, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Spencer Optical Co. (Imp. "Audemair"), 461 8th av, New York

818a— Bins (Ash)

Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Brown Hoisting Machinery Co. (The), 4403 St. Clair N E, Cleveland, Ohio
See adv index at end of book
Chicago Bridge & Iron Wks., 2105 Transportation bldg, Chicago, Ill.
See adv index at end of book
CRAINE SILO CO., INC., 27 Sheldon, Norwich, N. Y.
See adv index at end of book
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
New York Central Iron Works Co. Inc., Hagerstown, Md.
Pittsburgh-Des Moines Steel Co., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book

818b— Bins (Concrete)

CRAINE SILO CO., INC., 27 Sheldon, Norwich, N. Y.
See adv index at end of book
Intermountain Concrete Co. (Grain), Dept. H, Ogden, Utah

818c— *Bins (Flour)

Breese Bros. Co., The, 2349 Reading road, Cincinnati, O.
See adv index at end of book
Metal Package Corp. of N. Y., 110 E 42nd, New York *See adv index at end of book*

819— Bins (Nail)

Eclipse Mfg. Co., Wellston, O.
Warren J. D. Mfg. Co., 159 N State Chicago, Ill.

819a— Bins (Portable Stone)

Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book

820— Bins (Steel)

Coal, Coke, Grain, Cement, Ore, Etc

American Culvert Co. ("American"), Albert Lea, Minn.
Beatrice Steel Tank Mfg. Co. ("Nu-way"), Beatrice, Neb.
Berger Mfg. Co. ("Berloy"), 1038 Belden av N E, Canton, Ohio
BLAW-KNOX CO. (Blaw-Knox Batcher plants with or without adjustable measuring batchers for general and road contractors—can be made part of the central mixing plant), 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book

BLAW-KNOX CO.
681 Farmers Bank Building
PITTSBURGH, PA.
Manufacturers of
STEEL BINS

Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Brown Hoisting Machinery Co., The (& Bin Spouts), 4403 St. Clair, N E, Cleveland, Ohio
See adv index at end of book
Butler Mfg. Co. ("B.M.C." Portable, "Butler," "Combination," Grain), 1228 Eastern av, Kansas City, Mo.
Canton Art Metal Co., Canton, O.
Central Metal Products Corp., Canton, Ohio
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Clarke J. Q. Tank Co. (Corn & Wheat), Crawfordsville, Ind.
Coast Culvert & Flume Co., Dept. H, Col. blvd. & Derby, Portland, Ore.
Columbian Steel Tank Co., 1625 W 12th, Kansas City, Mo.
Columbiana Boiler Co., Columbiana, O.
Connery & Co., Inc., 4000 N. 2nd, Phila., Pa. *See adv index at end of book*
CRAINE SILO CO., INC. (Grain), 27 Sheldon, Norwich, N. J.
See adv index at end of book
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
DOVER BOILER WORKS, Sales Office, 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Erie Steel Construction Co. ("Aggre Meter"), Erie, Pa.
Fairmont Mining Machy. Co., Fairmont, W. Va.
Fouts C. C. Co. ("Duro" Grain), 650 Woodlawn av, Middletown, O.
GENERAL FIREPROOFING CO. (THE), 2308 Logan av, Youngstown, O.
See adv index at end of book
Harris Bros. Co. (70 Cubic Yards), 35th & Irons, Chicago, Ill.
Hastings Equity Grain Bin Mfg. Co., Hastings, Neb.
Hauserman E. F. Co., Cleveland, O.
HELTZEL STEEL FORM & IRON CO., THE, Warren, Ohio
See adv index at end of book

STEEL PLATE CONSTRUCTION
THE HELTZEL
STEEL FORM & IRON CO.
WARREN, OHIO

Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Iron Crib & Bin Co. ("The Wayne" Grain) Wooster, O.
JEFFREY MFG. CO. (Coal, Coke & Ore, crushed stone), 961 N Fourth, Columbus, O.
See adv index at end of book
Johnson & Thompson, 2716 N 26th, Birmingham, Ala.
Kansas City Structural Steel Co., Kansas City, Mo.
Koven L. O. & Bro. (Grain, Coal, etc), 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Lakeside Bridge & Steel Co., 402 Villard av., North Milwaukee, Wis.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Littleford Bros., 444 E Pearl, Cincinnati, O. *See adv index at end of book*
Lupton's Davids Sons Co., Allegheny av & Tulip, Phila., Pa.
See adv at Shelving Steel
Lyon Metallic Mfg. Co. ("Lyon"), Aurora, Ill.
McKee, Arthur G. & Co. ("Baker" Suspension Storage), 2422 Euclid av., Cleveland, Ohio
McNamara Bros. Co., Westport Baltimore, Md.
Martin Steel Products Co. ("Grain Saver"), Mansfield, O.
Munroe R. & Sons Mfg. Corp., 23d & Smallman, Pittsburgh, Pa.
Nelson N. P. Iron Works, 216 40th, Brooklyn, N. Y.
New York Central Iron Works Co., Inc., Dept. H, Hagerstown, Md.
North Dakota Metal Culvert Co. (Grain, Portable & Sectional), Fargo, N. D.
O K Harry Steel Co., 2333 Papin, St. Louis, Mo.
Pennsylvania Engineering Works (Coke & Ore), New Castle, Pa.
Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.
PETROLEUM IRON WORKS CO. OF OHIO, Sharon, Pa.
See adv index at end of book
PITTSBURGH-DES MOINES STEEL CO., 304 Curry bldg., Pittsburgh, Pa.
See adv index at end of book
Reeves Bros. Co. (The), Alliance, O.
See adv index at end of book
Republic Structural Iron Works Division, 1350E 53d, Cleveland, Ohio
Schoedinger F. O., 346 Mt. Vernon av, Columbus, O.
Smith Gas Engineering Co., Dayton, Ohio
See adv index at end of book
Treadwell Construction Co (Cement, Ore, etc., Midland, Pa.
Van Dorn Iron Works Co. (The), 2700 E 79th, Cleveland, Ohio
See adv index at end of book
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Western Gas Construction Co., 1431 Buchanan, Fort Wayne, Ind.
Western Steel Products Co., New Duluth, Minn.
Worthington Pump & Mach'y Corp. (Cement), 115 B'way, New York
Youngstown Boiler & Tank Co., 1054 Mahoning av, Youngstown, Ohio

821— Bins (Steel Factory)

Berger Mfg. Co., 1038 Belden av N E, Canton, O.
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Central Metal Products Corp., Canton, Ohio
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Cleveland Wire Spring Co., 1231 E. 38th, Cleveland, O.
Columbia Metal Box Co., 226 E 144th, New York
Connery & Co., Inc., 4000 N 2nd, Phila., Pa. *See adv index at end of book*
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Jefferis Richard W. Co. ("Jefferis" Pressed Steel), Camden, N. J.
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
LUPTON'S DAVID SONS CO., Allegheny av & Tulip, Phila., Pa.
See adv at Shelving Steel
Lyon Metallic Mfg. Co., Aurora, Ill.
Manufacturing, Equipment & Eng. Co. ("Meeco"), Framingham, Mass.
PITTSBURGH-DES MOINES STEEL CO., 304 Curry bldg., Pittsburgh, Pa.
See adv index at end of book
Shawmut Iron & Wire Works ("Shawmut" System of Steel & Wire Grille Bins), Everett, Mass.
Terrell's Equipment Co., Grand Rapids, Mich.
Van Dorn Iron Works Co. (The), 2700 E 79th, Cleveland, Ohio
See adv index at end of book

821a— Bins (Stone)

American Road Machine Co., Com'rcl Tr. bldg., Phila., Pa.
CRAINE SILO CO., INC., 27 Sheldon, Norwich, N. Y.
See adv index at end of book
Erie Steel Construction Co. ("Aggre Meter"), Erie, Pa.
Western Wheeled Scraper Co., Farnsworth, Aurora, Ill.

822— Biscuits (Dog)

Austin Dog Bread & Animal Food Co., Chelsea, Mass.
Marx M F. Mfg. Co. ("Ideal"), Louisville, Ky.
Potter & Wrightington, Board of Trade bldg, Boston, Mass.
Spratts Patent (Ltd.), 14 Congress, Newark, N. J.

823— Bismarck Brown

Dicks David Co., Inc., 44 Watts, New York
Dye Products & Chemical Co. (Red Shade), 200 5th av, New York
Fergusson, Alex. C., Jr., 474 Chestnut Philadelphia, Pa.
See adv index at end of book
Metz H. A. & Co., Inc., 122 Hudson, New York
National Gum & Mica Co., 12 West End av, New York

824— Bismuth

American Smelting & Refining Co. (Producers), 120 B'way, New York
Cooper Chas. & Co., 194 Worth, New York
Elmer & Amend (Impt.), 205 E 18th, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Illinois Smelting & Refining Co. (Metallic), 410 N Peoria, Chicago, Ill.
McKesson & Robbins (Imp.), 91 Fulton, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merchant & Evans Co. (Metal), Washington av & 21st, Philadelphia, Pa.
New York Quinine & Chemical Works, 135 William, New York
Pfizer Chas. & Co. (Subnitrate, Subgallate, Subcarbonate, etc), 81 Maiden la, New York
Philipp Bros., Inc., 233 Broadway, New York
Powers-Weightman-Rosengarten Co., 916 Parish, Phila., Pa.
Trotter Nathan & Co. (Jobbers), 36 N Front, Phila., Pa.
United Smelting & Aluminum Co., Inc. (Jobbers), 183-189 Commerce, New Haven, Conn.
United States Metals Refining Co., 61 B'way, New York
U. S. Smelting Refining & Mining Co. (Producers), 55 Congress, Boston, Mass.

824a— Bismuth Nitrate

Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Squibb E. R. & Sons, 23 Vine, Brooklyn, N. Y.

824b— Bismuth Oxides

Mallinckrodt Chemical Woks, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

824c— Bismuth Salts

Merck & Co., 45 Park pl, New York
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Pfizer Chas. & Co., Inc., 81 Maiden la., New York

824d— Bismuth Subcarbonate

Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.

824e— Bismuth Subgallate

Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.

824f— Bismuth Subnitrate

Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Smith, Kline & French Co., Phila., Pa.
Merck & Co., 45 Park pl, New York
New York Quinine & Chemical Works, Ltd., 152 William, New York
Pfizer Chas. & Co., Inc., 81 Maiden la., New York
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Squibb E. R. & Sons, 23 Vine, Brooklyn, N. Y.

825— Bismuth Subsalicylate

Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.

826— Bit Braces

Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Bagshaw & Field, 445 N 5th, Phila., Pa.
DETROIT TWIST DRILL CO., 555 Fort, Detroit, Mich.
See adv index at end of book
Dicke Tool Co. (For Electricians, Plumbers, etc), Downers Grove, Ill.
Goodell-Pratt Co. ("Goodell Tool Co." Ratchet, Sleeve & Corner), Greenfield, Mass.
Ives W. A. Mfg. Co. ("New Haven Novelty," "Ives," "Centennial," "Century"), Wallingford, Conn.
Jennings C. E. & Co. ("C. E. J. & Co.'s"), 71 Murray, New York
Lancaster Machine & Knife Works (Ratchet & Straight), Lancaster, N. Y.
Mayhew H. H. Co., Shelburne Falls, Mass.
Millers Falls Co. ("Barber," "Master" Ratchet, Corner & Drill), Dept. H, Millers Falls, Mass.
Peck Stow & Wilcox Co. ("Pexto"), Southington, Conn.
Southington Mfg. Co., Southington, Conn.
Stanley Rule & Level Co., New Britain, Conn.
Star Bit & Tool Co., Rockford, Ill.
Turner & Deegan ("Barbers" Grip Sleeve, Ball, Ratchet, etc), Bristol, Conn.
Vaughan & Bushnell Mfg. Co. ("V. & B."), 2114 Carroll av, Chicago, Ill.
Whitman & Barnes Mfg. Co., Akron, O.
See adv index at end of book
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

827— Bit Stocks (Angular)

Lancaster Machine & Knife Works, Lancaster, N. Y.
Mayhew H. H. Co., Shelburne Falls, Mass.
Millers Falls Co. ("Universal"), Mass.

828— Bits (Auger)

Connecticut Valley Mfg. Co. ("Wright's Jenning's"), Centerbrook, Conn.
Crescent Co., Inc. ("Crescent"), Meriden, Conn.
Forest City Bit & Tool Co., Rockford, Ill.
Frick & Lindsay Co. (Dirs.), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Greenlee Bros. & Co. ("Greenlee"), Rockford, Ill.
Greenlee Bros. & Co., 12th, Rockford, Ill.
Hardisty & Co., Garland Linwood, Cincinnati, O.
Irwin Auger Bit Co., Wilmington, O.
Ives W. A. Mfg. Co. ("Mephisto," "Irwin Pattern," "Conn. Mfg. Co," "Utility"), Wallingford, Conn.
Jackson Mfg. Co. ("Irwin" Pattern), Jackson, O.
Jennings C. E. & Co. ("C. E. J. & Co.'s, "Noble's," "Excelsior," "Watrous," "Clark's," "Passaic"), 71 Murray, New York
Jennings-Russell Mfg. Co., Chester, Conn.
Lebanon Machine Co. ("Z") Lebanon, N. H.
Millers Falls Co. ("Millers Falls"), Millers Falls, Mass.
Moore Bros., Jamestown, N. Y.
New Haven Copper Co., Seymour, Conn.
Peck Stow & Wilcox Co. ("Pexto"), Southington, Conn.
Progressive Mfg. Co. ("Forstner"), Torrington, Conn.
Pugh Job T. ("Black Twist"), 3101 Ludlow, Phila., Pa.
Slack S. Alex. (Hand Made), Oxford, Pa.
SMITH & HEMENWAY CO. INC. ("Red Devil"), 261 H B'way, New York, 130 H. Coit, Irvington, N. J.
See adv index at end of book



Snell Mfg. Co. ("Snell," "Bates," "King"), Fiskdale, Mass.
Star Bit & Tool Co., 1016 9th, Rockford, Ill.
Swan J. Co. ("Cook's" Solid Center & "Jennings" Pattern), Seymour, Conn.
WHITMAN & BARNES MFG. CO., Akron, O. *See adv index at end of book*
Williams & Wells Co. (Ship), 253 Fulton New York *See adv index at end of book*
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

829— Bits (Auger, Special)

Adams A. L. ("Forstner Pat'n"), 307 Center, Bridgeport, Conn.
Forest City Bit & Tool Co., 1206 Kishwaukee, Rockford, Ill.

Bits (Bell Hangers')

See Drills & Bits, Electricians'

830— Bits (Bridle)

See also Hardware Manufacturers, Saddlery
American Hame & Bit Co., 59 N. J. R. R. av, Newark, N. J.
American Mfg. Co. (Bits & Hdw. Specialties), Cnut & Water, Chattanooga, Tenn.
Bartley Bros. & Hall ("Eglentine" Imported), 50 Warren, New York.
Beery Jesse Co., Pleasant Hill, O.
Buermann August Mfg. Co., 220 Jeliff av, Newark, N. J.
Elbel Mfg. Co., The, 826 Mulberry rd, Canton, O.
Empire Tire & Rubber Corp. (Rubber Covered), Trenton, N. J.
Hills Edwin, Plainville, Conn.
Imperial Bit & Snap Co. ("Beery," "Imperial"), Racine, Wis.
Le Compte Mfg. Co., 280 Badger av, Newark, N. J.
Morales M., 5 Union av, Portland, Ore.
North & Judd Mfg. Co. ("Anchor Brand"), New Britain, Conn.
Rubber & Celluloid Products Co., (Hard Rubber Covered, etc.), 56 Ferry, Newark N. J.
Stalker Mfg. Co., 9 W B'way, New York
Upton & Gilman Machine Co. ("Huntoon," Safety), Lowell, Mass.

831— Bits (Core)

Am. Safety Lamp & Mine Supply Co., (for Diamond Drill), 1327 Capouse av, Scranton, Pa.

Bits (Countersink)

See Countersinks

Bits (Dowel)

See Bits, Machine, Wood

Bits (Electricians')

See Drills & Bits, Electricians'

832— Bits (Expansive)

Brown R. H. & Co. ("Clark's"), 198H Brown, West Haven, Conn.
Conn. Valley Mfg. Co. ("Clark"), Centerbrook, Conn.
Crescent Co., Inc. ("Crescent"), Meriden, Conn.
Ives W. A. Mfg. Co. ("Mephisto," "Clark Pattern"), Wallingford, Conn.
Jennings C. E. & Co. ("C. E. J. & Co's," "Steer's Patent," Clark's Patent), 71 Murray, New York
Kilborn & Bishop Co. ("Lavigne" Patent), 194 Chapel, New Haven, Conn.
Peck Stow & Wilcox Co. ("Pexto," "Samson"), Southington, Conn.
SMITH & HEMENWAY CO. INC. ("Red Devil"), 261 H. B'way, New York, 130 H. Coit, Irvington, N. J.
See adv index at end of book
Superior Mfg. Co. ("Clark"), Gloucester, Mass.
Swan James Co ("Clark's," "Swan's"), Seymour, Conn.

833— Bits (Gimlet)

Bagshaw & Field, 445 N 5th, Phila., Pa.
Baker Cutlery & Hardware Co., 101 Duane, New York
Connecticut Valley Mfg. Co., Centerbrook, Conn.
Deuse J. S. (German, Double Cut Bits & Gimlets, Bell Hangers, etc), Chester, Conn.
Goodell-Pratt Co., Greenfield, Mass.
Jennings C. E. & Co. ("Jennings'," "Clark's" & "Blake" Double Cut, German, etc), 71 Murray, New York
Mayhew H. H. Co., Shelburne Falls, Mass.
Snell Mfg. Co., Fiskdale, Mass.
Stortz Jno. & Son, 210 Vine, Phila., Pa.
Swan Jas. Co. (German), Seymour, Conn.

834—Bits (Hollow Chisel & Router)

Forest City Bit & Tool Co., Rockford, Ill.
Greenlee Bros. & Co., 12th, Rockford, Ill.
Irwin Auger Bit Co., Wilmington, O.
Pugh Job T., 31st & Ludlow, Phila., Pa.
Star Bit & Tool Co., Rockford, Ill.
Supple & Walker Machine Works (Photo Engravers), ft of E Yamhill, Portland, Ore.

Bits (Horse)

See Bits, Bridle; also Hardware Manufacturers, Saddlery

835— Bits (Hub Boring)

Detroit Twist Drill Co., 555 Fort, Detroit, Mich.
Forest City Bit & Tool Co., Rockford, Ill.
Greenlee Bros. & Co., 12th, Rockford, Ill.
Irwin Auger Bit Co., Wilmington, O.
Pugh Job T., 3101 Ludlow, Phila., Pa.
Snell Mfg. Co., Fiskdale, Mass.
Star Bit & Tool Co., Rockford, Ill.

836—Bits (Machine, Mining)

Beall Bros., Alton, Ill.
Buettner-Shelburne Machine Co., Terre Haute, Ind.
Frick & Lindsay Co. (Dirs.), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Fulton Tool Works ("Fulton"), Canal, Fulton, O.
Hardsocg Martin Co. (Tool Steel), 922 So av, N S, Pittsburgh, Pa.
Hughes Tool Co. (Rotary), Houston, Texas
JEFFREY MFG. CO., 961 N Fourth, Columbus, O.
See adv index at end of book
Leetonia Tool Co., The, Leetonia, Ohio
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Pittsburgh Trolley & Forge Co., Pittsburgh, Pa.
Salem Tool Co., Salem, Ohio
Star Bit & Tool Co., 1016 9th, Rockford, Ill.
Turner C. A., 3rd & Chauncery, Pittsburgh, Pa.
United Iron Works, Kansas City, Kan.
What Cheer Tool Co. (Machine Chain Cutter, Bits, etc), What Cheer, Ia.

837— Bits (Machine, Wood)

Bertels, W. B. & Son Co., Inc. (Coffee, Tea), Wilkes-Barre, Pa.
Cincinnati Tool Co. ("Hargrave"), Main & Waverly av, Cincinnati, Ohio
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O. *See adv index at end of book*
Connecticut Valley Mfg. Co., Centerbrook, Conn.
Detroit Twist Drill Co. (Straight Shank, etc.), 555 Fort, Detroit, Mich.
Forest City Bit & Tool Co. ("Forest City," Wood Boring), Rockford, Ill.
Greenlee Bros. & Co., 12th, Rockford, Ill.
Hardisty & Co., Garland Linwood, Cincinnati, O.
Irwin Auger Bit Co., Wilmington, O.
Jackson Mfg. Co., Jackson, O.
Jennings Russell Mfg. Co., Chester, Conn.
Mayhew H. H. Co., Shelburne Falls, Mass.
New Process Twist Drill Co., Taunton, Mass.
Peck, Stow & Wilcox Co., Southington, Conn.
Pugh Job T. ("Black Twist"), 3101 Ludlow, Phila., Pa.
Snell Mfg. Co., Fiskdale, Mass.
Standard Tool Co., 6700 Central av, Cleveland, O.
Star Bit & Tool Co., 1016 9th, Rockford, Ill.
Swan Jas. Co. ("Jennings'," Pattern), Seymour, Conn.
Union Twist Drill Co. (Taper Length, "Morse" Taper Shanks, Straight "Prentice" Shanks), Athol, Mass.
Whitman & Barnes Mfg. Co., Akron, O.
See adv index at end of book
Wood Morris & Son (Loose Centre), 5108 W Lake, Chicago, Ill.

837a— Bits (Mortising)

Clarkson Mfg. Co., Lancaster & Dallas, Baltimore, Md.
Forest City Bit & Tool Co., 1206 Kishwaukee, Rockford, Ill.
Grand Rapids Hardware Co. (Sash Pulley), Grand Rapids, Mich.
Greenlee Bros. & Co., 12th, Rockford, Ill.

838— Bits (Pod)

Mayhew H. H. Co., Shelburne Falls, Mass.

839— Bits (Rail Drilling)

Buda Co., Harvey, Ill.

Bits (Reamer)

See Reamers, Bit Brace

840-1— Bits (Screw Driver)

Bagshaw & Field, 445 N 5th, Phila., Pa.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Brown R. H. & Co., 198H Brown, West Haven, Conn.
Buck Bros., Millbury, Mass.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Cincinnati Tool Co., Main & Waverly av, Cincinnati, Ohio
Conn. Valley Mfg. Co., Centerbrook, Conn.
Crescent Co., Inc. ("Crescent"), Meriden, Conn.
Cronk & Carrier Mfg. Co., Elmira, N. Y.
Deuse J. S., Chester, Conn.
Goodell-Pratt Co., Greenfield, Mass.
Greenlee Bros. & Co., 12th, Rockford, Ill.
Irwin Auger Bit Co., Wilmington, O.
Jackson Mfg. Co., Jackson, O.
Jennings C. E. & Co. ("C. E. J. & Co.'s" "Hinsdale," "Blake"), 71 Murray, New York
Kraeuter & Co., 583 13th av, Newark, N. J.
Landers, Fray & Clark ("H. & B." Cast Steel), New Britain, Conn.
Mayhew H. H. Co., Shelburne Falls, Mass.
Millers Falls Co. ("Millers Falls"), Dept. H, Millers Falls, Mass.
Peck, Stow & Wilcox Co., Southington, Conn.
Plomb Tool Mfg. Co., 2209 Av Santa Fe, Los Angeles, Cal.

(Continued on following page)

Bits (Screw Driver)—Continued

Pugh Job T., 31st & Ludlow, Phila., Pa.
Sawyer Tool Mfg. Co. ("Samson"), Ashburnham, Mass.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
SMITH & HEMENWAY CO., INC. ("Red Devil"), 261 H. B'way, New York, 130 H. Coit, Irvington, N. J.
See adv index at end of book
Snell Mfg. Co., Fiskdale, Mass.
Stanley Rule & Level Co., New Britain, Conn.
Stortz John & Son, 210 Vine, Phila., Pa.
Swan Jas. Co., Seymour, Conn.
Syracuse Twist Drill Co. ("Syracuse"), 936H Grape, Syracuse, N. Y.
Thayer Mfg. Co., Williamsburg, Mass.
Thomson Drop Forge Co., Plantsville, Conn.
Tuck Mfg. Co., Brockton, Mass.
Vaughan & Bushnell Mfg. Co. ("V. & B."), 2114 Carroll av, Chicago, Ill.

842— Bits (Tapping)

Pugh John T., 31 & Ludlow, Phila., Pa.
Snell Mfg. Co., Fiskdale, Mass.
Swan James Co., Seymour, Conn.

843— Bits (Tong)

Hough Chas. N. Mfg. Co. ("Klein," "Lay," "Crumble," "Jumbo" Patterns), Franklin, Pa.

844— Bits (Tool Holder)

Atlas Engng. Co., Lincoln, N. J.
Barber-Colman Co., Rockford, Ill.
Irving Robert M., 310 E Genesee, Syracuse, N. Y.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.

Bits (Wood Boring)

See Bits, Machine, Wood

844a— Bitts & Bollards

Amer. Eng. Co. (Towing Bitts), Aramingo & Cumberland, Phila., Pa.
HARRY, L. C., CO., 114 Liberty, New York
Hyde Windless Co. (Bitts), Bath, Me.
Marine Mfg. & Supply Co. (Bollards), 158 South, New York
Thacher Propeller & Foundry Corp., Albany, N. Y.

845-6— Bitumen Importers

Lamson John S. & Bro., 347 Madison av, New York

847—Blackboard Surfacing Materiai

Acme White Lead & Color Works, St. Aubin & M C R R, Detroit, Mich.
American Soapstone Finish Co. ("Dodge"), Chester Depot, Vt.
Burdsal A. Co., Capitol & Ga., Indianapolis, Ind.
Caxton School Supply Co., 2345 S La Salle, Chicago, Ill.
Felton, Sibley & Co., 136 N 4th, Phila., Pa.
Lawrence W. W. & Co., Pittsburgh, Pa.
Lucas Jno. & Co., 322 Race, Phila., Pa.
Masury John W. & Son, 50 Jay, Brooklyn, N. Y.
N. Y. Silicate Book Slate Co., 20 Vesey, New York

848—Blackboards (Composition)

Baker W. J. Co, Newport, Ky.
Beaver Board Companies ("Beaver" & "Bestwall"), Beaver rd, Buffalo, N. Y.
Beckley Cardy Co. ("Slaterock" & "Slatoplate" Artificial Slate), 17 E 23rd, Chicago, Ill.
Caxton School Supply Co., 2345 S La Salle, Chicago, Ill.
HAMMETT J. L. CO., Kendall sq, Cambridge, Mass.



Rowles, E. W. A. Co. ("Permoroc" "Duroplate"), 2345 S. La Salle, Chicago, Ill.
Structural Stone Co., Hubbard, Ohio

849— Blackboards (Silicate)

New York Silicate Book Slate Co., 24 Vesey, New York
Rowles, E. W. A. Co. ("Permoroc Duroplate"), 2345 S. La Salle, Chicago, Ill.

850— Blackboards (Slate)

Albion Bangor Slate Co. Wind Gap, Pa.
Bangor Slate Mining Co., Bangor, Pa.
Bangor Structural Slate Co., Bangor, Pa.
Blue Valley Slate Mfg. Co. (Ltd.), Slatington, Pa.
Carbon Slate Co. (Rough), Slatington, Pa.
Caxton School Supply Co. ("Lithoplate"), 2345 S La Salle, Chicago, Ill.
Columbus Slate Co., New Hayden bldg, Columbus, O.
Crown Slate Co., Pen Argyl, Pa.
Excelsior Slate Co., Pen Argyl, Pa.
Genuine Washington Slate Co., Slatington, Pa.
Hahn Granville, Walnutport, Pa.
Hower J. K., Danielsville, Pa.
International Slate Co., Slatington, Pa.
KEENAN STRUCTURAL SLATE CO., Bangor, Pa.
Knickerbocker Slate Corp., 153 E 38th, New York
Leghigh Structural Slate Mfg. Co., Bangor, Pa.
Lobb, Parry & Co., Danielsville, Pa.
Monarch Black Board Structural Slate Co., Slatington, Pa.
Monson Maine Slate Co., 112 Water, Boston, Mass.
National School Slate Co., Slatington, Pa.
Natural Slate Blackboard Co., 101 Marietta, Pen Argyl, Pa. (With Structural Slate Co., Pen Argyl.)
See adv index at end of book

PYRAMID BRAND
for
PERMANENCY
NATURAL SLATE
BLACKBOARD COMPANY
Pen Argyl, Penna.

New York Silicate Book Slate Co. ("Silicate"), 24 Vesey, New York
Penna. Blackboard Co., Slatington, Pa.
Penna. Slate Co., (Rough), Slatington, Pa.
Penna. Structural Slate Co., Drake bldg, Easton, Pa.
PHOENIX SLATE CO., Penna. bldg, Wind Gap, Pa.
Ribble, R. W., & Co., First & B'way, Bangor, Pa.
Rowles, E. W. A. Co. ("Permoroc" "Duroplate"), 2345 S. La Salle, Chicago, Ill.
Sieger & Son Mfg. Co., Slatington, Pa.
Slatington-Bangor Slate Syndicate, Slatington, Pa.
Slatington Slate Co., Slatington, Pa.
Structural Slate Co., Slatington, Pa.
Structural Stone Co., Hubbard, Ohio
Superior Slate Co., Inc. ("Bangor Black"), Allentown, Pa.
Tinsman M. L. & Co., Pen Argyl, Pa.
Unger John F. Slate Co., Slatington, Pa.
VENDOR SLATE CO., Drake bldg, Easton, Pa.
Weber, C. F., & Co., 605 Mission, San Francisco, Cal.
Woodley Slate Co., Bangor, Pa.

851— Black Hypo

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Uhlich Paul & Co. (Imp), 11 Cliff, New York

852— Black Iron

Eastwood Chemical Co. (For Silk Dyeing), Belleville, N. J.

853— Black Lead

See also Graphite Miners & Refiners

Chrystal Chas. B. Co. Inc., 13 Cliff, New York *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
MAGNOLIA METAL CO. ("Bayway"), 113 Bank, New York
See adv index at end of book

854— Black Plates for Tinning

American Sheet & Tin Plate Co., Frick bldg., Pittsburgh, Pa.
American Steel Co., Park bldg, Pittsburgh, Pa.
Bethlehem Steel Co., Bethlehem, Pa.
Canonsburg Steel & Iron Works, Canonsburg, Pa.
Falcon Tin Plate Co., Niles, Ohio
Follansbee Bros. Co. (Open Hearth), 3rd & Liberty, Pittsburgh, Pa.
Griffiths Charcoal Iron Mills, Washington, Pa.
Lalance & Grosjean Mfg. Co. (All Consumed by the Company), 299 Broadway, New York
McKeesport Tin Plate Co., McKeesport, Pa.
National Enameling & Stamping Co., 411 5th av, New York
Ohio Corrugating Co., Warren, O.
Standard Tin Plate Co., Canonsburg, Pa.
Washington Tin Plate Co., Washington, Pa.
Weirton Steel Co. (Also Long Sheets), Weirton, W. Va.
Wheeling Corrugating Co. (Lithographed Decorated & Tin), Wheeling, W. Va.
Wheeling Steel Corp., Wheeling, W. Va.

855— Black (Volcano)

INDUSTRIAL CHEMICAL CO., 1414 Fifth Av bldg, New York
See adv index at end of book

Blacking (Harness Oil)

See Dressing, Carriage Top, Harness,etc

856— Blacking (Leather)

See also Shoe Blacking and Polishes
Eastwood Chemical Co. (For Tanneries), Belleville, N. J.
Miller Frank Co., 349 W 26th, New York

Blacking (Shoe)

See Shoe Blacking & Polishes

Blacking (Stove)

See Stove Polish

Blacksmiths' Supplies

Consult Index of Contents for specific Article desired

857-8— Bladders (Rubber)

Goodrich B. F. Co. (Foot Ball, etc)., Akron, O.
Seamless Rubber Co. (Striking Bag), New Haven, Conn.
Tyer Rubber Co. (Foot Ball, Basket Ball, Striking Bag, etc), Andover, Mass.

859—Blades (Cloth Cutting Machine)

Emrich Phil (Circular, Rotary, Straight & Serrated Edge), 324 Main, Cincinnati, O.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*

859a—*Blades (Fan, Electric Ceiling)

ESTES E. B. & SONS, 364 5th av, New York. *See adv index at end of book*
Watson Mfg. Co., Jamestown, N. Y.

860— Blades (Fan, Metal)

Bossert Corp., (The), cor Linden & West av, Utica, N. Y.
Oakes Co. (Electric), Indianapolis, Ind.
Torrington Mfg. Co., Torrington, Conn.
Zeigler Mfg. Co., Alexandria, Ind.

861— Blades (Fan, Wood)

Burlington Venetian Blind Co., Burlington, Vt.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Phoenix Sliding Blind Co., Phoenix, N. Y.
Requarth F. A. Co., Dayton, O.
Watson Mfg. Co., Jamestown, N. Y.

862— Blades (Fountain)

Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.

Blades (Hack Saw)

See Saw Blades & Frames, Hack

863— Blades (Metal Shear)

See also Knives, Machine

Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.
Cleveland Punch & Shear Works Co., 3917 St. Clair av, Cleveland, Ohio
See adv index at end of book
Cleveland Steel Tool Co. (Hand & Power), 662 E 82nd, Cleveland, O.
See adv index at end of book
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Detroit Edge Tool Works, 3000 E Woodbridge, Detroit, Mich.
Disston Henry & Sons, Tacony, Phila., Pa.
Dowd R. J., Knife Works, Beloit, Wis.
Hankey & Co., Rochdale, Mass.
Heppenstall Forge & Knife Co., 47th & Hatfield, Pittsburgh, Pa.
Pittsburgh Knife & Forge Co. (Large Shears Only), Ridge & Chateau, Pittsburgh, Pa.
Simonds A. A. & Son Co., Dayton, O.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
White L. & I. J. Co., 120 Columbia, Buffalo, N. Y.

864— Blades (Rolling Coulter)

Bethlehem Steel Co., Bethlehem, Pa.
Galesburg Coulter Disc Co., Galesburg, Ill.
Warren Iron & Steel Co., Box 396, Warren, Ohio

865— Blades (Safety Razor)

See also Razors Mfrs., Safety

Clark Blade & Razor Co., 119 Sussex av, Newark, N. J.
Crescent Mfg. Co., Fremont, Ohio.

865a—Blades (Semaphore Signal)

A. G A Railway Light & Signal Co, Elizabeth, N J.
Signal Accessories Corp. ("Saco"), Utica, N. Y.

866—Blades (Shoe Cutters' Extension)

Hyde Mfg. Co., Southbridge, Mass.
Richard Stephen Co., Southbridge, Mass.

867—Blades (Squaring Shear)

Cleveland Knife & Forge Co., 1960 W. 114th, Cleveland, O.
Emrich Phil., 824 Main, Cincinnati, O.

867a—Blades (Tongue Depressor)

BOGERT & HOPPER, INC., 57 Barclay, New York
See adv index at end of book
ESTES E. B. & SONS, 364 5th av, New York. *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book

868— Blanc Fixe

Brewer & Co., 35 Arctic, Worcester, Mass.
Durex Chemical Corp., 160 Front, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Hunnell & Co. Inc., 136 Liberty, New York
Providence Drysalters Co., East Greenwich, R. I.
Reichard-Coulston Co. (Imp.), 95 Madison av, New York
Uhlich Paul & Co. (Imported and Domestic), 11 Cliff, New York
Vanderbilt R. T. Co. ("Barium Dust"), 50 E 42d, New York
Waldo E. M. & F. (Selling Agts.), 11 B'way, New York
Whittaker, Clark & Daniels, Inc., 250 Front, New York
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y.
See adv index at end of book

869— Blanchers (Peanut)

See also Peanut Machinery

Lambert Machine Co., Marshall, Mich.
McLean Jno., Lockport, N. Y.

870— Blankets (Cotton)

Beacon Mfg. Co., New Bedford, Mass.
Boston Duck Co., Bondsville, Mass.
Chicopee Mfg. Corp., Chicopee Falls, Mass.
Esmond Mills, Esmond, R. I.
Manetta Mills, Lando, S. C.
Nashua Mfg. Co., Nashua, N. H.
Old Colony Mfg. Co., Taunton, Mass.
Tremont & Suffolk Mills, Lowell, Mass.
Whittenton Mfg. Co., Taunton Mass.

871— Blankets (Felt)

Albany Felt Co., Albany, N. Y.
Best Edw. H. & Co. (Machy), 222 Purchase, Boston, Mass.
Huyck, F. C. & Sons ("Kenwood"), Albany, N. Y.
New England Fibre Blanket Co., 30 Shrewsbry, Worcester, Mass.
Orr Felt & Blanket Co., Piqua, Ohio
Waterbury Felt Co., Skaneateles Falls, N. Y.

872—Blankets (Horse & Cattle)

Ashworth's J. E. Sons, West Brookville, N. Y.
Ayres Wm. & Sons, 3rd & Cumberland, Phila., Pa.
Beckman N. O. Co., Fulton rd, N W, Cleveland, O.
Burlington Blanket Co. ("Stay On"), Burlington, Wis.
Candor Blanket Co., Candor, N. Y.
Chase L. C. & Co. (Horse Clothing & Cow Covers), 89 Franklin, Boston, Mass.
Clark Mfg. Co., West Newton, Mass.
Hubbell J. L. ("Navajo"), Ganado, Ariz.
Hygienic Blanket Mills, Hubbardston, Mass.
Kelly Thos. & Co. ("Burleigh"), 15 Abtr., Boston, Mass.
Langstroth T. W., 77 Warren, New York
Mianus Mfg. Co. (Plush), Coscob, Conn.
Monadnock Blanket Mills, Marlboro, N. H.
Oregon City Mfg. Co., Oregon City, Ore.
Ray Fabric Mills, Franklin, Mass.
Rockfall Woolen Co., Middletown, Conn.
Sanford Mills (Plush Horse), Sanford, Me.
Semple Mfg. Co. (Saddle Girths), Louisville, Ky.
Springfield Blanket Co., Holyoke, Mass.
Stafford's Jas. Sons, Kram's av, Phila., Pa.
Troy Blanket Mills, Troy, N. H.
Valley Woolen Mills, Marlboro, N. H.
Wallace & Smith Co., La Porte, Ind.
Waterbury H. & Sons Co., Oriskany, N. Y.

873— Blankets (Mining)

Hygienic Blanket Mills, Hubbardston, Mass.

873a— Blankets (Paper)

Andrews R. P. Paper Co., 727 13th, N W, Washington, D. C.
Bond B. F. Paper Co., 33 S Hanover, Baltimore, Md.
Garrett Sylvester, S. & Co., 259 S 3rd, Phila., Pa.
Kalamazoo Vegetable Parchment Co., Kalamazoo, Mich.
Negargee Bros., Scranton, Pa.
Stone & Forsyth Co., 67 Kingston, Boston, Mass.

874—Blankets (Printers' & Lithographers')

Boston Belting Corp., 84 Linden Park, Boston, Mass.
Goodrich B. F. Co., Akron, O.
Goodyear Tire & Rubber Co., Inc. ("Good Year"), 1144 E Market, Akron, Ohio
Gutta Percha & Rubber Mfg. Co., 350 Madison av, New York
Hodgman Rubber Co., 25 W 43d, New York
Kush Gustave, 3 Park row, New York
New England Fibre Blanket Co. (Fibre, Rubber, Felt, Oiled, etc), Worcester, Mass.
Noone's Joseph Sons Co. (Woolen), Peterboro, N. H.
Revere Rubber Co., Chelsea, Mass.
U. S. Rubber Co. ("U. S. Reveroid"), 1790 Broadway, New York
See adv index at end of book
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.

875—Blankets (Rubber Hospital)

Athol Mfg. Co., Athol, Mass.
Boston Woven Hose & Rubber Co., Cambridge, Mass.
Chicago Rubber Clothing Co., Racine, Wis.
Clifton Mfg. Co., 65 Brookside av, Jamaica Plain, Boston, Mass.
Hodgman Rubber Co., 25 W 43d, New York
Humphrys, R. A., Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Republic Rubber Co., Youngstown, Ohio
Tyer Rubber Co. ("Tyrian"), Andover, Mass.
U. S. Rubber Co., 1790 Broadway, New York *See adv index at end of book*

"U.S." RUBBER BLANKETS
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

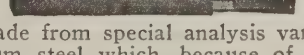
876-7— Blankets (Woolen)

Alpena Woolen Mills, Alpena, Mich.
Alpine Woolen Mills, Mount Airy, N. C.
Amana Society, Amana, Ia.
American Woolen Co., 114 Central, Boston, Mass.
Apollo Woolen Mills (Bed), Apollo, Pa.
Barron Woolen Mill Co., Barron, Wis.
Birdsall Bros. Co., Honesdale, Pa.
Blue J. J. & Son, Ettrick, Wis.
Bridgewater Mfg. Co., Bridgewater, Va.
Brooksville Woolen Mill, Brooksville, Me.
Brownsville Woolen Mills Co., Brownsville, Ore.
Brunger S. & Co., Sullivan, Ind.
Burroughs & Taylor Co., Cave, Tenn.
Byfield Woolen Co. (Bed), Byfield, Mass.
California Woolen Mfg. Co., California, Mo.
Campbellsville Mfg. Co., Campbellsville, Ky.
Capps J. & Sons (Ltd.), (Indian Robes), Jacksonville, Ill.
Cedarburg Woolen Mills, Cedarburg, Wis.
Chatham Mfg. Co., Elkin, N. C.
Chippewa Falls Woolen Mills, Chippewa Falls, Wis.
Cleveland Woolen Mills Co., Dresden, O.
Columbia Mills, Lewiston, Me.
Cordaville Woolen Co. (Bed), Cordaville, Mass.
Covington Woolen Mills, Covington, O.
Craigsville Woolen Mfg. Co., Craigsville, Pa.
Dobson J. & J., Inc., 809 Chestnut, Phila., Pa.
Dresden Woolen Mills, Dresden, O.
Ellsworth Woolen Mill, Ellsworth, Me.
Eugene Woolen Mill Co., Eugene, Ore.
Fairbault Woolen Mill Co., Fairbault, Minn.
Fields Mfg. Co., Mouth of Wilson, Va.
Gibboney A. R. & Co. (Bed), Reedsville, Pa.
Golden State Woolen Mills, Long Beach, Cal.
Goodwin C. E. & Sons, Cumberland Gap, Tenn.
Gordon, Wm. M. & Son, Galax, Va.
Graff P. & Co., Worthington, Pa.
Green River Woolen Mills, Phil., Ky.
Heathcote S. E. & Co., Glen Rock, Pa.
Heijkes E. K., York Springs, Pa.
Hinsdale Woolen Mills, Hinsdale, Mass.
Hollywood Mfg. Co., Hollywood, W. Va.
Houlton Woolen Mill, Houlton, Me.
Huyck F. C. & Sons ("Kenwood"), Albany, N. Y.
Hygienic Blanket Mills (Horse, Carriage Mining, Institution, Saddle, etc), Hubbardston, Mass.
Imperial Woolen Co., Main & Rector, Phila., Pa.
Kennedy D. & Sons, Monticello, Wis.
Kent Mfg. Co., Clifton Heights, Pa.
Kismensi Woolen Co., Stanton, Del.
Knight Woolen Mills, Provo, Utah
Kuenzel Mills Co. (Bed), New Bremen, Ohio
Lancaster A. & Co., Chester, N. J.
Langville Woolen Mills, Langville, Pa.
Lebanon Woolen Mills, Lebanon, Tenn.
Liebhardt William L. & Co., Middletown, Ind.
Litchfield Woolen Mills, Litchfield, Mass
McAnespie J. & Co., Lancaster, O.
McGee Mfg. Co., Greenville, S. C.
Monadnock Blanket Mills (Horse & Camp Blankets), Marlboro, N. H.
Muncy Woolen Mills Co. (All Wool & Cotton Warp White & Colored Bed Blankets), Muncy, Pa.
Nashua Woolen Mills, Nashua, Ia.
Newichawanick Co., South Berwick, Me
North Star Woolen Mill Co., 228 S 2d, Minneapolis, Minn.
Olney Woolen Mills, Cherry Valley, Mass
Oregon City Mfg. Co. (Indian Robes), Oregon City, Ore.
Orr Felt & Blanket Co. (Bed), Piqua, O.
Patrick F. A. & Co., Duluth, Minn.
Pearce Mfg. Co. (Bed), Latrobe, Pa.
Pendleton Woolen Mills (Also Indian Robes), Pendleton, Ore.
Portland Woolen Mills, Portland, O.
Prairie du Chien Woolen Mill Co., Prairie du Chien, Wis.
Racine Woolen Mills, Racine, Wis.
St. Mary's Woolen Mfg. Co. (Fine Bed), St. Mary's, O.
Schaeffer J. M., Sandy Lake, Pa.
Schofield J. & Son, Madison, Ind.
Settle T. F., Scottsville, Ky.
Seymour Woolen Mills, Seymour, Ind.
Shuler & Benninghofen (All Wool & Cotton Warp, also Indian Robes), Hamilton, O.
Spangler W. H., Fitzpatrick, W. Va.
Springfield Blanket Co. (Bed & Horse), Holyoke, Mass.
Springfield Woolen Mills Co. (Bed), Springfield, Tenn.
Stafford's Jas. Sons (Bed & Horse), Kram's av, Phila., Pa.
Stickler J. M., Mauston, Wis.
Susquehanna Woolen Co. (Bed), New Cumberland, Pa.
Townsend J. E. (Estate of), (Bed), Milton Mills, N. H.
Wallace & Smith Co. (Bed & Horse), La Porte, Ind.
Webb T. A. W. & Son, Allensville, Pa.
West Bend Woolen Mills, West Bend, Wis
Winthrop Mills Co. (Bed), Winthrop, Me.
Woodcock A. B., Waterside, Pa.

878— Blanks (Chisel)

CLEVELAND WROUGHT PRODUCTS COMPANY, THE (Made from special analysis vanadium steel which, because of its wide hardening range, is easily redressed by any blacksmith. Will submit free samples for test purposes), 3400 W 58th st, Cleveland, O.
See adv index at end of book

STEELCRAFT CHISEL BLANKS



Made from special analysis vanadium steel which, because of its wide hardening range is easily redressed by any blacksmith.
Will submit free samples for test purposes
THE CLEVELAND WROUGHT PRODUCTS COMPANY
(Steelcraft Division)
3400 West 58th St., CLEVELAND, OHIO

879—Blanks (Copper & Nickel Silver)

Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Bridgeport Brass Co. (Brass & Copper only), E Main, Bridgeport, Conn.
Conklin T. E. Brass & Copper Co., 54-60 Lafayette, New York
See adv index at end of book
Scovill Mfg. Co. (To order only), Waterbury, Conn.
See adv index at end of book
Seymour Mfg. Co., Seymour, Conn.
Waterbury Button Corporation, 331 S Main, Waterbury, Conn.
See adv index at end of book

880— Blanks (Glass Cutters)

McKee Glass Co., Jeannette, Pa.
Rodefer Glass Co. The (Plano Convex & Double Convex Blanks, for Cutting Polishing), Bellaire, O.

880a— Blanks (Forged)

KROPP FORGE CO., 5301 Roosevelt road, Chicago, Ill.
See adv index at end of book

880b— *Blanks (Handle)

ANCHOR SAW MILLS CO., 434 Washington, New York

881— Blanks (Key)

Corbin Cabinet Lock Co., New Britain Conn.
Eagle Lock Co., Terryville, Conn.
Graham Mfg. Co., Derby, Conn.
Huber Mfg. Co., 417 E. 93d, N. Y.
Penn Hardware Co., Reading, Pa.
Sargent & Co. (Flat, Bit & Cylinder), Water & Wallace, New Haven, Conn.
Sargent & Greenleaf Inc., Rochester, N. Y.
Taylor & Boggis Foundry Co., Cleveland, O.
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

882— Blanks (Lens)

Corning Glass Works ("Noviol" Optical). Dept. H, Corning, N. Y.

882a— Blanks (Pinion)

Bethlehem Steel Co., Bethlehem, Pa.
Phila. Roll & Machine Co., 52d & Grays av., Phila., Pa.
Pollak Steel Co., The, 386 W. 71st, Carthage, Cincinnati, Ohio

883— Blanks (Thumb, Nut & Screw)

Billings & Spencer Co., Hartford, Conn.
LARKIN & CO., I. K., 253 Broadway, New York
See adv index at end of book
Peninsular Milled Screw Co., 4646 Lawton, Detroit, Mich.
Stimpson Edwin B. Co. (Screw), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Williams J. H. Co., 400 Vulcan, Buffalo, N. Y.

884—Blast Furnace Top Filling Apparatus

Weimer Machine Works Co., Lebanon, Pa.

885—Blast Furnace & Steel Works Construction

Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Casey-Hedges Co., Chattanooga, Tenn.
Colorado Iron Works Co., 3301 Wynkoop, Denver, Colo.
DOVER BOILER WORKS (Steel Plate Construction). Sales office, 40 Church, New York; Works: Dover, N. J.
See adv index at end of book
Freyn Brassert & Co., 310 S Michigan av, Chicago
Hibben & Co., 9376 Ewing av, Chicago, Ill.
Johnson & Thompson, Birmingham, Ala.
Kennedy Julian, Bessemer bldg., Pittsburgh, Pa.
Kennedy Walter (Automatic Top Filter System for Blast Furnaces), Bessemer bldg, Pittsburgh, Pa.
Lappan Jas. Mfg. Co., Pittsburgh, Pa.
McClure G. W. Son & Co., Bessemer bldg, Pittsburgh, Pa.
McKee, Arthur G. & Co., 2422 Euclid av., Cleveland, Ohio
Meehan Boiler & Cons. Co., Lowellville, O.
MOHR, JOHN & SONS, 96th & Calumet River, Chicago, Ill.
Munroe R. & Sons Mfg. Corp., 23rd & Smallman, Pittsburgh, Pa.
Muskegon Boiler Works, Muskegon, Mich.
Pennsylvania Engineering Works (Engineers & Contractors), New Castle, Pa.
Petroleum Iron Works Co. (Blast Furnace), Sharon, Pa.
Pollock Wm. B. Co., Youngstown, O.
Reeves Bros. Co. (The), Alliance, O.
See adv index at end of book
Riter-Conley Co. (Plate & Structural Work of Every Description, Designed, Fabricated & Erected), Oliver bldg, Pittsburgh, Pa.
Rust Engng. Co., 504 Dist. National Bk. bldg., Washington, D. C.
Smythe, S. R. Co., 2022H Oliver bldg., Pittsburgh, Pa.
Tippett & Wood, Phillipsburg, N. J.
Treadwell Constr. Co., Midland, Pa.
Treadwell, M. H., Co., 140 Cedar, New York
Variety Iron & Steel Works Co., Hamilton av & E 40th, Cleveland, O.
Weimer Machine Works Co., Lebanon, Pa.

886— Blast Furnaces

ALABAMA.

ANNISTON—Anniston Steel Co. (Low Woodstock Operating Corp. (Pig Iron)
BESSEMER—Tennessee Coal, Iron & R. R. Co. (See Birmingham)
BIRMINGHAM — Gulf States Steel Co. (Foundry), Forge, Basic)
Republic Iron & Steel Co. (Bessemer, Mill & Foundry Pig Iron; Brands, "Pioneer")
Sloss, Sheffield Steel & Iron Co. ("Birmingham," "North Birmingham" Pig Iron; brands, "Sheffield," "Lady Ensley," "Florence," "Sloss")
Tennessee Coal, Iron & Railroad Co. (Foundry, Forge & Basic Pig Iron; Brands, "Alice," "De Bardeleben," "Eureka," "Ensley")
ENSLEY—Tennessee Coal, Iron & Railroad Co (See Birmingham, Ala.)
FLORENCE—Sloss, Sheffield Steel & Iron Co. (See Birmingham, Ala.)
HOLT—Central Iron & Coal Co. (Foundry Pig Iron; Brand, "Tuscaloosa"); Office: New York City
IRONATON—Alabama Co. (See Birmingham, Ala.)
OXMOOR—Tennessee Coal, Iron & Railroad Co. (See Birmingham, Ala.)
ROCK RUN—Bass Foundry & Machine Co. Charcoal, Car-Wheel & Strong Castings Pig Iron; Brand, "Rock-Run")
SHEFFIELD—Sheffield Iron Corp. (Foundry & Forge Pig Iron; Brand, "Sheffield")
Sloss, Sheffield Steel & Iron Co. (See Birmingham, Ala.)
SHELBY—Shelby Iron Co. (Foundry Pig Iron; Brand, "Imperial" & Charcoal Car Wheel Pig Iron; Brand, "Shelby")
WOODWARD—Woodward Iron Co. (Basic Foundry & Forge Pig Iron; Brand, "Woodward")

COLORADO.

DENVER—Colorado Fuel & Iron Co. (Bessemer, Basic & Foundry Pig Iron). Furnaces, Pueblo, Colo.

CONNECTICUT.

EAST CANAAN—Barnum, Richardson Co. (See Lime Rock)
LIME ROCK—Barnum, Richardson Co. Charcoal Car-Wheel, Malleable Castings, Ordnance & Machinery Pig Iron; Brand, "Salisbury")

GEORGIA.

CEDARTOWN—Cedartown Iron Co. (Charcoal High Grade Car-Wheel Pig Iron; Brand, "Cherokee")

ILLINOIS.

CHICAGO—Embree Iron Co. (Malleable, Foundry, Forge, Low Phosphorous & High-Manganese Pig Iron; Brand, "Embreville"), 332 S. Mich. av; Furnaces, Embreville, Tenn.
Federal Furnace Co. (Malleable Bessemer & Foundry Pig Iron; Brand, "Federal"), 108th & Calumet River
Illinois Steel Co. (Bessemer, Forge, Foundry, Basic & Malleable Bessemer Pig Iron; Brands, "Bay View," "Milwaukee"), 208 S La Salle
Treadwell M. H. Co. of Ill., 208 S. La Salle
Wisconsin Steel Co., 606 S Michigan (See International Harvester Co.)
JOLIET—Illinois Steel Co., 208 S La Salle. (See Chicago, Ill.)

INDIANA.

GARY—Indiana Steel Co. (See Chicago, Ill.)
INDIANA HARBOR—Inland Steel Co. (See Chicago, Ill.)

KENTUCKY.

ASHLAND—American Rolling Mill Co.
Norton Iron Works (Bessemer & Malleable Bessemer Pig Iron; Brand, "Norton")
MIDDLESBORO—Virginia Iron, Coal & Coke Co. (See Roanoke, Va.)

MARYLAND.

SPARROWS POINT—Bethlehem Steel Co. (Bessemer Pig Iron & Spiegeleisen)

MASSACHUSETTS.

RICHMOND FURNACE—Richmond Iron Works (Charcoal Car-Wheel & Machinery Pig Iron; Brand, "Richmond")

MICHIGAN.

CADILLAC—Mitchell-Diggins Iron Co. (Charcoal Malleable Car-Wheel & Strong Foundry Pig Iron; Brand, "Cadillac")
DETROIT—Charcoal Iron Co. of Am. 1721 1st Natl. Bk. bldg
EAST JORDAN—East Jordan Furnace Co. (Charcoal Car-Wheel & Malleable Pig Iron)
GRAND RAPIDS—Antrim Iron Co. (Charcoal Car-Wheel & Malleable Pig Iron; Brand, "Antrim")
ISHPEMING—Cleveland-Cliffs Iron Co. (See Cleveland, O.)
MARQUETTE—Cleveland-Cliffs Iron Co.
Pioneer Iron Co.
NEGAUNEE—Cleveland-Cliffs Iron Co. (See Cleveland, O.)
WELLS—Stephenson Charcoal Iron Co.

MINNESOTA.

DULUTH—Zenith Furnace Co. (Bessemer, Malleable & Foundry Pig Iron; Brand, "Zenith"

MISSOURI.

ST. LOUIS—Sligo Furnace Co. (Charcoal, Car-Wheel, Foundry & Malleable Pig Iron Brand, "Sligo"), Syndicate Trust bldg.

NEW JERSEY.

OXFORD—Empire Steel & Iron Co. (See Catasauqua, Pa.)
STANHOPE—Singer Mfg. Co., Musconetcong Iron Works
WHARTON—Wharton Steel Co. (See Phila., Pa.)

NEW YORK.

BUFFALO—Buffalo Union Furnace Co. (Bessemer, Malleable & Foundry Pig Iron; Brand, "Buffalo"), Marine Trust bldg
Donner Steel Co., Inc. (Foundry & Malleable), 475 Abbott rd
Lackawanna Steel Co. (Bessemer Pig Iron; Brand, "Lackawanna")
Rogers-Brown Iron Co. (Foundry Pig Iron), Erie County Bank bldg.
Wickwire Spencer Steel Corporation (Chilled Cast, Basic, Malleable & Foundry Pig), River rd.
See adv index at end of book
CHARLOTTE—McKinney Steel Co. (Bessemer Malleable & Grey Forge Pig Iron & Foundry Pig for Stoves, Plates & General Foundry Use, Brand, "Genesee" Furnaces)
NEW YORK—Central Iron & Coal Co. (Foundry Pig Iron; Brand, "Tuscaloosa"), 41 E 42d
Colonial Iron Co. (Foundry & Forge Pig Iron), (Specialty & Strong Soft Fluid Fdry. Pig Iron Brands "Norway" Colonial), 149 B'way, New York
Combustion Utilities Corp., 8-10 Bridge
Leavitt, C. W., & Co., 34 Church
See adv index at end of book
NEW JERSEY ZINC SALES COMPANY, THE (Spiegeleisen from Zinc Oxide Residues), 158 Front; Furnaces, etc.: Palmerton, Pa.
See adv index at end of book
Struthers Furnace Co. (Basic & Foundry Pig Iron, Brand "Struthers"), 350 Madison av
Treadwell, M. H., Co. (Rolling Mill Machy.), 140 Cedar
WICKWIRE SPENCER STEEL CORP. (Pig Iron), 41 East 42nd
See adv index at end of book
NIAGARA FALLS—Pittsburgh Metallurgical Co. (Silvery Pig Iron)
NORTH TONAWANDA—Tonawanda Iron & Steel Co. (Foundry, Forge & Malleable Pig Iron; Brands, "Niagara," "Tonawanda Scotch")
PORT HENRY—Northern Iron Co. (Basic, Malleable, Foundry & Bessemer Pig Iron; Brand, "Essex")
STANDISH—Northern Iron Co.

OHIO.

BELLAIRE—Carnegie Steel Co. (See Pittsburgh)
CANTON—United Furnace Co.
CLEVELAND—American Steel & Wire Co. (Bessemer & Basic Pig Iron)
See adv index at end of book
Cleveland-Cliffs Iron Co. (Charcoal Car-Wheel, Foundry, Malleable & Low Phosphorous Pig Iron; Brand, "Pioneer" & "Marquette"), Rockefeller bldg. Furnaces: Marquette & Gladstone, Mich.
Cleveland Furnace Co. (Bessemer, Malleable Bessemer, Foundry & Basic Pig Iron; Brand, "Cleveland"), 1707 Superior av
McKinney Steel Co., Perry Payne bldg (Bessemer, Foundry, Forge & Basic Iron Brands; Furnaces: Josephine & Scottdale, Pa.)
Otis Steel Co. (Pig Iron), Riverside Plant
Pioneer Iron Co.
Stewart Furnace Co., Rockefeller bldg.
Toledo Furnace Co. (Bessemer, Basic, Malleable, & Foundry Pig Iron; Brand, "Toledo"). Furnaces: Toledo, O.
COLUMBUS—American Rolling Mill Co. (br. of Middletown, O.), T. & O. C. R. R. & Parsons av
Carnegie Steel Co. (see Pittsburgh, Pa.
DOVER—Penn Iron & Coal Co. (Strong Foundry, Bessemer & Basic Open Hearth Pig Iron; Brands, "Tuscorawas," "Black Band," "Dover")
GIRARD—Girard Iron Co. (Bessemer, Malleable Bessemer, Foundry & Forge Pig Iron; Brand, "Girard")
Hamilton Furnace Co. (Pig Iron)
HANGING ROCK—Hanging Rock Iron Co. (Foundry & Malleable Pig Iron; Brand, "Hamilton")
HUBBARD—Andrews & Hitchcock Iron Co. (See Youngstown)
IRONTON—Belfont Iron Works Co. (Bessemer, Foundry & Forge Pig Iron; Brand, "Belfont")
Kelly Nail & Iron Co. (Bessemer Pig Iron; Brand, "Sarah")
Marting Iron & Steel Co. (Bessemer, Foundry & Malleable Pig Iron; Brands, "Nellie," "Bird" & "Lawrence")
Union Furnace Co.

JACKSON—Globe Iron Co. (Foundry Pig Iron; Brand, "Globe"; also Ferro-Silicon)
Jackson Iron & Steel Co. (High-Silicon Pig Iron; Brand, "Jisco")
Star Furnace Co. (Soft Foundry Pig Iron; Brand, "Star," also Ferro-Silicon)
Wellston Iron Furnace Co. ("Wellston" Bessemer Low Phosphorous Bessemer & Malleable Pig Iron)
LEETONIA—Salem Iron Co.
United Iron & Steel Co. (See Cleveland, O.)
LOWELLVILLE—Ohio Iron & Steel Co. (Bessemer, Forge & Foundry Pig Iron; Brands, "The Mary," "The Mary Ohio Scotch")
MIDDLETOWN—American Rolling Mill Co., (Fdry & Forge Pig Iron, also Fdry., "Ashland" for Ferro-Sili-Ferro-Silicon; Brands "Boyd" con)
MINGO JUNCTION—Carnegie Steel Co. (See Pittsburgh, Pa.)
NEW STRAITSVILLE—Bessie Furnace Co. (See Pittsburgh, Pa.)
NILES—Carnegie Steel Co. (See Pittsburgh, Pa.)
OAK HILL—Jefferson Iron Co.
STEUBENVILLE—Carnegie Steel Co. (See Pittsburgh, Pa.)
La Belle Iron Works (Basic & Foundry Pig Iron)
Weirton Steel Co. (Pig Iron)
STRUTHERS—Struthers Furnace Co. (See Cleveland, O.)
TOLEDO—Toledo Furnace Co. (See Cleveland, Ohio)
WARREN—Trumbull Cliffs Furnace Co.
WELLSTON—Wellston Iron Furnace Co. (Bessemer, Low Phosphorous Bessemer & Malleable Pig Iron; brand, "Wellston")
Yorkville-Wheeling Steel & Iron Co. (See Wheeling, N. Va.)
YOUNGSTOWN—Andrews & Hitchcock Iron Co. (Bessemer, Gray Forge, Malleable, Bessemer & Foundry Pig Iron; Brands, "Hubbard," "Hubbard Scotch" Soft Foundry & "Climax," Strong Foundry. Furnaces: Hubbard, O.
Carnegie Steel Co. (See Pittsburgh, Pa.
Republic Iron & Steel Co. (Bessemer, Mill & Foundry Pig Iron).
For branch offices see Alphabetical Section
Youngstown Sheet & Tube Co. (Bessemer & Basic Foundry, Malleable & Mill Pig Iron)
ZANESVILLE—Carnegie Steel Co. (See Pittsburgh, Pa.)

OREGON.

OSWEGO—Oregon Iron & Steel Co. (See Portland)
PORTLAND—Oregon Iron & Steel Co., Porter bldg. Furnaces: Oswego

PENNSYLVANIA.

ALBURTIS—Thomas Iron Co. (See Hokendauqua, Pa.)
BETHLEHEM—Bethlehem Steel Co. (Basic, Bessemer, Malleable, Foundry, Low Phosphorus, "Mayari" Ferro Manganese, Spiegeleisen)
BIRDSBORO—Brooke E. & G. Iron Co. (Basic Open Hearth Forged Pig Iron; Brand, "Brooke")
BRADDOCK—Carnegie Steel Co. (See Pittsburgh, Pa.)
CATASAUQUA—Crane Iron Works.
Empire Steel & Iron Co. (Foundry, Forge, Basic Bessemer & Low-Phosphorous Pig Iron; Brands, "Crane," "Crane L P," "Crane Basic," "Henry Clay," "Macungie," "Oxford," "Topton")
CHESTER—Delaware River Steel Co. (Low Phosphorous, Special Bessemer Malleable "Delaware")
CLAIRTON—Carnegie Steel Co. See Pittsburgh, Pa.)
CURTIN—Eagle Iron Co.
DONORA—Carnegie Steel Co. (See Pittsburgh, Pa.)
DUBOIS—Adrian Furnace Co. (Foundry Pig Iron; Brand, "Adrian")
DUQUESNE—Carnegie Steel Co. (See Pittsburgh, Pa.)
EARLSTON—(P. O. Everett, Pa.) Thropp Jos. E. (Forge, Basic & Soft & Strong Foundry & Mill Pig Iron; Brands, "Everett," "Saxton")
EMPORIUM—Emporium Iron Co.
ERIE—Perry Iron Co. (Foundry, Malleable & Bessemer Pig Iron; Brand, "Perry")
HELLERTOWN—Thomas Iron Co. (See Hokendauqua, Pa.)
HOKENDAUQUA—Thomas Iron Co. (Foundry, Forge, Basic Open Hearth & Malleable Pig Iron; Brand "Thomas-Vanadium")
ISLAND PARK—Thomas Iron Co. (See Hokendauqua, Pa.)
JOHNSTOWN—Cambria Steel Co. (Bessemer & Basic Pig Iron), Main Office: Phila., Pa.
JOSEPHINE—McKinney Steel Co. (Bessemer, Foundry, Forge & Basic Pig Iron)
KITTANNING—Kittanning Iron & Steel Mfg. Co. (Grey Forge & Foundry Pig Iron; Brand, "Rebecca")
LEBANON—Lackawanna Iron & Steel Co. (See Buffalo, N. Y.)
Lavino E. J. & Co., Dept. H
McKEESPORT—National Tube Co. (See Pittsburgh, Pa.)
MACUNGIE—Empire Steel & Iron Co. (See Catasauqua, Pa.)
MARIETTA—Lavino E. J. & Co., Dept. H
MAUCH CHUNK—Carbon Furnace Co., Ltd. ("Carbon" Foundry Iron, "Parry" Bessemer Iron & "Viking" Low Phosphorus Pig Iron), Furnaces, Parryville, Pa.
MILESBURG — McCoy-Linn Iron Co. (Charcoal Forge & Foundry Pig Iron; Brand, "Hecla")
NEW CASTLE—Carnegie Steel Co. (See Pittsburgh, Pa.)
PALMERTON—New Jersey Zinc Co. (of Pa.)
PARRYVILLE—Carbon Furnace Co., Ltd. (See Mauch Chunk, Pa.)
PHILADELPHIA—American Manganese Mfg. Co., H, Bullitt bldg
Lavino E. J. & Co., H, Bullitt bldg
Marshall, F. W. & Co. ("Marshall"), Penn bldg.
Mohr, J. J. & Son, Bullitt bldg.
Shimer & Co. Inc., 133H S 4th
Wharton Steel Co. (Basic, Neutral Foundry Malleable & Forge Pig Iron; Brand, "Wharton"), Morris bldg; Furnaces, Wharton, N. J.
WOOD ALLAN IRON & STEEL CO. (Neutral Mill, Foundry, Malleable Bessemer & Basic Open Hearth Pig Iron; Brand, "Swede"), Widener bldg; Furnaces, Swedeland, Pa.
PITTSBURGH—American Steel & Wire Co. (Bessemer & Basic Pig Iron), Frick bldg.
See adv index at end of book
BYERS A. M. CO., 235 Water
See adv index at end of book
Carnegie Steel Co. (Bessemer, Basic, Forge Foundry, Mill & Low-Phosphorus Pig Iron), Carnegie bldg
Clinton Iron & Steel Co. (Bessemer, Forge & Special Car-Wheel Pig Iron, and an exceedingly Soft & Fluid Foundry Iron for Light & Fine Machinery Castings; Brands, "Hector," "Clinton"), W Carson
Davison Allen S. Co., 2118 Oliver bldg
Iron Trade Products Co. (Basic, Bessemer, Charcoal, Malleable, Gray Forge, Foundry, Mottled White & Low Phosphorus Pig Iron), Farmers Bank bldg
McAleenan Bros. Co., 25th & A. V.. R. R.
Miller W. R. Co. (& Steel Works Construction) House bldg.
Mudge Edmund W. & Co. (Bessemer Basic Foundry and Malleable Pig Iron; Brands, "Ella Foundry" & "Ella Malleable"), Frick bldg
Republic Iron & Steel Co. (Bessemer, Mill & Foundry Pig Iron; Brand, "Pioneer"), Oliver bldg.
Shenango Furnace Co. (Bessemer, Basic & Malleable Pig Iron; Brand, "Shenango"), Oliver bldg; Furnaces, Sharpsville, Pa.
Snyder W. P. & Co. (All Grades of Merchant Pig Iron), Oliver bldg
POTTSTOWN—Glasgow Iron Co.
POTTSVILLE—Eastern Steel Co. (Foundry, Neutral Mills, Bessemer, Malleable, Low Phosphorus & Basic Pig Iron; Brand, "Warwick"), Furnaces: Pottstown, Pa.
RANKIN—Carnegie Steel Co. (See Pittsburgh, Pa.)
RIDDLESBURG—Colonial Iron Co. (Foundry & Forge Pig Iron, Specialty a Strong Soft Fluid Foundry Pig Iron; Brands, "Norway," "Colonial")
ROBESONIA—Robesonia Iron Co. Ltd. (Low-Phosphorus Pig Iron; Brand, "Robesonia")
SAXTON—Thropp Jos. E. (See Earlston, Pa.)
SCOTTDALE—McKinney Steel Co. (Bessemer, Foundry, Forge & Basic Pig Iron)
SHARON—Carnegie Steel Co. (See Pittsburgh, Pa.)
Petroleum Iron Works Co. of Ohio (& Steel Work Construction, Blast Furnaces)
See adv index at end of book
Republic Iron & Steel Co. (See Youngstown, Ohio.)
Stewart Iron Co. Ltd. (Standard Bessemer, Low-Phosphorus, Foundry, Basic & Forge Pig Iron; Brand, "Stewart")
Shenango Furnace Co. (See Pittsburgh, Pa.)
Youngstown Sheet & Tube Co. (See Youngstown, O.)
SHERIDAN — Berkshire Iron Works (Foundry Pig Iron; Brand, "Sheridan"). (See New York City)
Lavino E. J. & Co., Dept. H
STEELTON—Pennsylvania Steel Co. (See Phila., Pa.)
SWEDELAND—Wood, Alan Iron & Steel Co. (See Phila., Pa.)
TEMPLE—Seaboard Steel & Manganese Corp.
Temple Iron Co. (See Scranton)
TOPTON—Empire Steel & Iron Co. (See Catasauqua, Pa.)
WEST MIDDLESEX—United Iron & Steel Co. (See Cleveland, O.)
WOODLAWN—Jones & Laughlin Steel Co.

TENNESSEE.

ALLEN'S CREEK—Bon Air Coal & Iron Co.
BEAR SPRINGS—Dover Iron Co. (Charcoal, Low-Phosphorus Pig Iron, for Chilled Rolls, etc; Brand, "Dover")
BRISTOL—Chattanooga Electro Metals Co. (Bessemer & Silvery Pig Iron)
CHATTANOOGA — Citico Furnace Co. (Forge & Foundry Pig Iron; Brand, "Citico"), 42 Chbln. blvd
Roane Iron Co. (Foundry & Forge Pig Iron; Brand, "Rockwood"), Furnaces, 42 Chbln. blvd, Rockwood, Tenn.
CLARKSVILLE—Reo River Co. (Foundry, High-Silicon & Tennessee-Scotch Pig Iron; Brands "Helen," "Red River."
CUMBERLAND FURNACE—Warner Iron Co.
EMBREEVILLE—Embree Iron Co. (See New York City)
GOODRICH—Standard Iron Co.
JOHNSON CITY—Cranberry Furnace Co. (Low-Phosphorus Pig Iron; Brand, "Cranberry")
LA FOLLETTE—La Follette Coal & Iron Co. (Foundry & Forge Pig Iron; Brand, "La Follette Foundry")
NAPIER—Napier Iron Works. (See Nashville, Tenn.)
NASHVILLE—Bon Air Coal & Iron Co., Stahlman bl
Napier Iron Works (Foundry Pig Iron; Brand, "Napier"), Furnaces, Napier, Tenn.
Warner Iron Co., Stahlman bl, Nashville, Tenn.
ROCKWOOD—Roane Iron Co. (See Chattanooga)
SOUTH PITTSBURGH—Tennessee Coal, Iron & R. R. Co. (See Birmingham, Ala.)

VIRGINIA.

COVINGTON—Lowmoor Iron Co. (of Va.) (See Low Moor)
GLEN WILTON—Princess Iron Corp. Furnace Co. (Soft, Strong & Very Fluid Foundry Pig Iron; Brand, "Princess")
LOW MOOR—Low Moor Iron Co. (Foundry Pig Iron; Brands, "Low Moor," "Covington"), Furnaces: Covington, Va.
MAX MEADOWS—Virginia Iron, Coal & Coke Co. (See Roanoke, Va.)
PULASKI—Pulaski Iron Co. (See Phila., Pa.)
Virginia Iron, Coal & Coke Co. (See Roanoke, Va.)
RADFORD—Virginia Iron, Coal & Coke Co. (See Roanoke, Va.)
REED ISLAND—Virginia Iron, Coal & Coke Co. (See Roanoke, Va.)
ROANOKE—Virginia Iron, Coal & Coke Co. (Foundry, Forge, Basic & Cold Blast Charcoal, Pig Iron for Chilled Rolls, etc; Brands, "Bristol," "Crozer," "Dora," "Graham," "Max Meadows," "Radford," "Reed Island," "Watts")

WEST VIRGINIA.

BENWOOD—National Tube Co. (See Pittsburgh, Pa.)
WEIRTON—Weirton Steel Co. (Pig Iron)
WHEELING—Wheeling Steel Corp. (Pig Iron) (Bessemer Pig Iron; Brand, "Belmont," "Martin's Ferry," "Top Mill")

WISCONSIN.

MAYVILLE—Northwestern Iron Co. (See Milwaukee, Wis.)
MILWAUKEE—Illinois Steel Co. (See Chicago, Ill.)
Northwestern Iron Co. (Malleable Bessemer & Foundry Pig Iron; Brands, "Sidney," "Mayville," "Gertrude"), 1st National Bank bldg
Thomas Furnace Co. (Foundry, Malleable Bessemer & Standard Bessemer; Brand, "Thomas"), 740 Kinnickinnic av

887— *Blasting Accessories

DU PONT E. I. DE NEMOURS & CO. INC., Explosives & Smokeless Powder Depts. ("Du Pont." See Adv. at Explosives), Wilmington, Del.
See adv index at end of book

887a— *Blasting Apparatus

Hercules Powder Co., Wilmington, Del.

887b— Blasting (Electric)

Giant Powder Co. Con., San Francisco, Cal.

888—Blasting Fuse, Caps, Etc.

See also Batteries, Blasting
Atlas Powder Co., Wilmington, Del.
Blight Sons & Co., Eagle River, Mich.
California Cap Co., 1540H San Pablo av, Oakland, Cal.
Consumers Fuse & Power Co. ("Sure Fire" Fuse), 22 Battery, San Francisco, Cal.

Blasting Fuse, Caps, Etc.—Continued

DU PONT, E. I., DE NEMOURS & CO., INC., Explosives & Smokeless Powder Depts. ("Anchor," "Bear," "Charter Oak," "Clover," "Comet," "Comet Special Safety," "Crescent," "Double Tape Safety," "Eclipse," "Monarch," "Single Tape Safety," "Sylvanite" & "Victor" Fuses. See Adv. at Explosives), Wilmington, Del.
See adv index at end of book

Ensign Bickford Co. (Safety Fuse), Simsbury, Conn.
Equitable Powder Mfg. Co., East Alton, Ill.
Grasselli Powder Co., Guardian bldg, Cleveland, O.
Hercules Powder Co. (Safety), Wilmington, Del.

888a— Blasting Gelatin

Atlas Powder Co., Wilmington, Del.
DU PONT E. I. DE NEMOURS & CO., INC., Explosives & Smokeless Powder Depts. ("Du Pont." See Adv. at Explosives), Wilmington, Del.
See adv index at end of book

Giant Powder Co., Cons., San Francisco, Cal.
Hercules Powder Co., Wilmington, Del.

889— Blasting Powder

See also Dynamite, Blasting Supplies & Gunpowder
Atlas Powder Co., Wilmington, Del.
DU PONT, E. I., DE NEMOURS & CO., INC., Explosives & Smokeless Powder Depts. ("Du Pont." See Adv. at Explosives), Wilmington, Del.
See adv index at end of book

Egyptian Powder Co., East Alton, Ill.
Giant Powder Co., Cons. ("Giant"), 1st National Bank bldg, San Francisco, Cal.
McAbee, G. R. Powder & Oil Co., Oliver bldg., Pittsburgh, Pa.
Puget Sound & Alaska Powder Co. ("Vulcan"), 307 Pioneer bldg, Seattle, Wash.
Trojan Powder Co., Jordan Sta., Allentown, Pa.
Williams, White & Co., 301 8th, Moline, Ill.

890-1— Blasting Supplies

See also Dynamite, Blasting Powder & Gunpowder.
Abee, G. R. Powder & Oil Co., Oliver bldg., Pittsburgh, Pa.
Atlas Powder Co., Wilmington, Del.
California Cap Co., 1540H San Pablo av, Oakland, Cal.
Consumers Fuse & Powder Co. ("Sure Fire" Fuse), 22 Battery, San Francisco, Cal.
DU PONT E. I. DE NEMOURS & CO. INC. Explosives & Smokeless Powder Depts., (Detonators, Elec., Time & Percussion. See Adv. at Explosives), Wilmington, Del.
See adv index at end of book

Equitable Powder Mfg. Co., East Alton, Ill.
Giant Powder Co., Cons., San Francisco, Cal.
HERCULES POWDER CO
Wilmington, Del.
New York Blastings Supply Co., 11 B'way, New York

892— Bleach

Bobrich Chemical Co., 111 Garey, Los Angeles, Cal.
Bush, Beach & Gent, Inc., 80 Maiden la., New York
Clorax Chemical Corp. ("Clorax"), 850 42nd av, Oakland, Cal.
Electro Bleaching Gas Co. (Liquid), 18 E. 41st, New York
Fergusson Alex C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Great Western Electro Chemical Co., 9 Main, San Francisco, Cal.
Hachmeister-Lind Chemical Co., Pittsburgh, Pa.
Hooker Electro Chemical Co., 25 Pine, New York
Hunnell & Co. Inc., 136 Liberty, New York
Innis, Speiden & Co., Inc., 46 Cliff, New York
Klipstein A. & Co., 644 Greenwich, New York
McAdam, Charles, Co. ("Revelation" Kid Glove), 2717 S Troy, Chicago, Ill.
Mailliard & Schmiedell (Mfrs. Agts.), 203 California, San Francisco, Cal.
Mathieson Alkali Works, 25 W 43d, New York
Niagara Alkali Co., Niagara Falls, New York
Pennsylvania Salt Mfg. Co. (Liquid), Widener bldg, Phila., Pa.
Roessler & Hasslacher Chem. Co., 709 6th av, New York
See adv index at end of book
Sergeant, E. M., Co., 131 Cedar, New York
Solvay Process Co., Syracuse, N. Y.

Bleaching Clays

See Fullers Earth

893-4— Blenders (Grain)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
Robinson H. Mfg. Co., Muncy, Pa.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Wolf Co., Chambersburg, Pa.

895— Blinds (Inside Folding)

Chicago Millwork Supply Co. (For the Trade Only), 1404 W 37th, Chicago, Ill.
Hyde-Murphy Co., Ridgway, Pa.
Morgan Co. (also Outside, for the Trade Only), Oshkosh, Wis.
Paine Lumber Co., Ltd. (For the Trade Only), Oshkosh, Wis.
Radford Sash & Door Co. (For the Trade Only), 1827 Prairie av, Chicago, Ill.
Union Blind & Ladder Co., Inc. ("Acme" wood rolling), 3535 Peralta, Oakland, Calif.
See adv index at end of book

896— Blinds (Inside Sliding)

Birmingham Iron Foundry, Derby, Conn.
Bossert Louis & Son, 1335 Grand, Brooklyn, N. Y.
Burlington Venetian Blind Co., Burlington, Vt.
Curtis, Towle & Paine Co. (Wholesale Mfrs), Lincoln, Neb.
Curtis & Yale Co. (Wholesale Mfrs), Wausau, Wis.
Kane Blind & Screen Co., Kane, Pa.
Monroe Screen Blind & Partition Co., Lima, O.
Phoenix Sliding Blind Co., Phoenix, N. Y.

897— Blinds (Venetian)

Bostwick-Goodell Co. ("Victoria"), Norwalk, O.
Burlington Venetian Blind Co., Burlington, Vt.
Chicago Millwork Supply Co. ("The Pease" Wholesale only), 1404 W 37th, Chicago, Ill.
Curtis, Towle & Paine Co. (Wholesale Mfrs.), Lincoln, Neb.
Dodge, H. B. & Co. ("Diffuselite"), 332H S. Michigan av., Chicago, Ill.
Monroe Screen Blind & Partition Co., Lima, O.
Swedish Venetian Blind Co. ("Ericsson's"), 1265 B'way, New York
Western Blind & Screen Co., 2700 Long Beach av, Los Angeles, Calif.
See adv index at end of book

Western Blind & Screen Co.
2700 Long Beach Avenue, Los Angeles, California
BRANCH OFFICES
1629 Second St., New Orleans, La.; 41 E. 42d St., Rm. 310 Liggett Bldg., New York City, N. Y.; 921 Hearst Bldg., San Francisco, Calif.; 213 Fitzpatrick Bldg., Portland, Ore.; 1425 5th Ave., Seattle, Wash.; Rm. 401, Second National Bank Bldg., Houston, Tex.; 14th and Montgall, Kansas City, Mo.; 326 W. Madison St., Chicago, Ill.; 803 Flatiron Bldg., Atlanta, Ga.; 523 Hicks Bldg., San Antonio, Tex.

Wilson J. G. Corp., 11 E 36th, New York

897a—Blocks (Acid Proof—for Tower Packing)

General Ceramics Co., 50 Church, New York
Knight, Maurice A., Akron, O.

898— *Blocks (All Kinds)

Estes E. B. & Sons (Wood, for All Purposes), 364 5th av, New York
See adv index at end of book

899—Blocks (Alphabet, Toy, Etc.)

Amerian Mfg. Concern (For Building), Falconer, N. Y.
Am. Rule & Block Co., Menominee, Mich.
Bogert & Hopper, Inc. (also Children's Buildings), 57 Barclay, New York
See adv index at end of book
Bradley Milton Co., 74 Park, Springfield, Mass.
Embossing Co., Albany, N. Y.
Estes E. B. & Sons (Children's Building), 364 5th av, New York
See adv index at end of book
McLoughlin Bros., 221 4th av, New York
Stiles, H. A. (Children's Building), 166-174 Portland, Boston, Mass.
See adv index at end of book

900— Blocks (Anvil)

Hooven, Owens, Rentschler Co. (Steel Reinforced, Semi-Steel), Hamilton, O.

901— Blocks (Asbestos)

Johns-Manville, Inc. ("Vitribestos"), Madison av. & 41st, New York
Thermoid Rubber Co. (Brake & Clutch), Trenton, N. J.

901a— Blocks (Brake)

DOMINION ASBESTOS & RUBBER CORP. (Asbestos, "Dominion"), 1780 Broadway, New York
See adv index at end of book
Johns-Manville, Inc., Madison av & 41st, New York
Multibestos Co. ("Multibestos"), Walpole, Mass.

902—Blocks (Broom or Brush)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Carbon Products Co. (Carbon), Lancaster, Ohio
Curtis & Yale Co. (Wholesale Mfrs.), Wausaw, Wis.
Estes E. B. & Sons, 364 Fifth av, New York. *See adv index at end of book*
Holgate Bros. Co. (Whitewash Blocks) etc), Kane, Pa.
Mahle C. A. & Son, Ltd. (Bored & Shaped for Horse, Scrub, Stove, Shoe Brushes, etc, & for Street & Stable Push Brooms; also for Steel Wire Brushes, Brooms, etc), Corry, Pa.
Mason A. & Sons (Brush), Peru, N. Y.
Parkersburg Mill Co., Parkersburg, W. Va.
Piqua Handle & Mfg. Co. (Floor Brush, Window Brush & Special), P O Box 307, Piqua, O.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Williams & Hurd (Hair, Paper, Window, Plater, Milk Can & Machine Brush), West Arlington, Vt.

902a— *Blocks (Bur, Dental)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

903— Blocks (Butchers')

See also Butchers' Machinery & Supplies
Appleton Wood Prods. Co. ("Appleton"), Appleton, Wis.
Bartlett O. L., Mound City, Ill.
Boos John & Co., Effingham, Ill.
Brecht Co., 1201 Cass av, St. Louis, Mo.
Dumrauf & Wicke, 406 E 102d, New York
Fayetteville Mfg. Co., Fayetteville, N. Y.
Hill C. V. & Co., Trenton, N. J.
Michigan Maple Block Co. (Brush Blocks only, all kinds, Burned & Shaped), Petoskey, Mich.
Nashua Spool & Bobbin Co., Haverhill Nat'l Bk. bldg, Haverhill, Mass.
Peak Henry (For Street Sweeping Brooms, etc), Peabrook, N. Y.
Stiles, H. A., & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Wolf, Sayer & Heller ("Best in the World"), Fulton & Peoria, Chicago, Ill.

903a— Blocks (Corn Crib)

Chattanooga Sewer Pipe Wks., W 11th & Cross, Chattanooga, Tenn.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Macomb Sewer Pipe Wks., Macomb, Ill.

904— Blocks (Cutting)

Continental Fibre Co. (Vulcanized Fibre), Newark, Del.
Curtin Hebert Co. (For Leather, Canvas & Silk Gloves), Gloversville, N. Y.
DELAWARE HARD FIBRE CO. (Hard Fibre), Wilmington, Del. Works: Marshallton, Del.
See adv index at end of book
Diamond State Fibre Co., Dept. 37, Bridgeport, Pa.
See adv index at end of book
Fibroc Insulation Co. ("Fibroc"), Cor. Campbell, Valparaiso, Ind.
See adv index at end of book
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
Reading Wood Pulley Co., Reading, Pa.
Spaulding Fibre Company, Inc. (Hard Fibre), Tonawanda, N. Y.
See adv index at end of book
Stiles H. A. & Co. ("Hasco Brand") (Wood), 166-174 Portland, Boston, Mass. *See adv index at end of book*

905— Blocks (Die)

Bethlehem Steel Co. (Steel), Bethlehem, Pa.
Bourne Fuller Co., Hanna bldg, Cleveland, O.
Colonial Steel Co. (Forged Crucible & Open Hearth), 324 4th av, Pittsburgh, Pa.
Crucible Steel Co. of America, Oliver bldg. Pittsburgh, Pa.
Cyclops Steel Co. (Crucible), 120 B'way, New York
Duke Steel Co., Inc. (Steel), 191 Pearl, New York
Erie Forge Co., Erie Pa.
Farrell-Cheek Steel Foundry Co., Sandusky, Ohio
Heppenstall Forge & Knife Co. ("Hardtem" Forged), 47th & Halfield, Pittsburgh, Pa.
Irish Bros. & Co., Buckfield, Me.
Johnston & Jennings Co., Addison rd & N. Y. C. R. R., Cleveland, O.
KROPP FORGE CO., 5301 Roosevelt road, Chicago, Ill.
See adv index at end of book
Ludlum Steel Co. ("Pueblo" Steel), Dept. H, Watervliet, N. Y.
Michigan Maple Block Co., Petoskey, Mich.
National Forge & Tool Co. ("National A. B. & C."), Irvine, Pa.
Pennsylvania Forge Co., Ash & Bath, Phila., Pa.

Phila. Roll & Machine Co., 52nd & Grays av, Phila., Pa.
Poldi Steel Corp. of Am., 115 B'way, New York
Pollak Steel Co., The, 386 W. 71st, Carthage, Cincinnati, O.
Reading Wood Pulley Co. (Wood), Reading, Pa.
Seelye Mfg. Co., 49 High, Boston, Mass.
Stiles H. A. & Co. ("Hasco Brand") (Wood), 166-174 Portland, Boston, Mass. *See adv index at end of book*
Tacony Steel Co., Franklin Bank bldg., Philadelphia, Pa.
Tolhurst Machine Works, Troy, N. Y.
Trojan Electric Steel Co., 34th & Hoyne av, Chicago, Ill.

906—Blocks (Differential Chain)

See also Hoists, Chain

Chisholm-Moore Mfg. Co. (Direct Differential), 5046 Lakeside, Cleveland, O.
READING CHAIN & BLOCK CO., Reading, Pa. *See adv index at end of book*
Richards-Wilcox Mfg. Co., Aurora, Ill. *See adv index at end of book*
Wright Mfg. Co., Lisbon, Ohio
Yale & Towne Co. ("Yale," also Screw Geared), Dept. H. Stamford, Conn.

907— Blocks (Drill)

Athol Machine Co., Athol, Mass.
Athol Mach. & Foundry Co., Athol, Mass.
Starrett L. S. Co., Athol, Mass.

908—*Blocks (Electric Fixture)

STILES H. A. & CO., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

908a— *Blocks (Electrotype)

Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

909— Blocks (Fuse)

See also Cut-Outs, Incandescent

Bryant Electric Co., 1421 State, Bridgeport, Conn.
Chicago Elec. Mfg. Co., 2317H S, Halsted, Chicago, Ill.
Chicago Fuse Mfg. Co. (Junction), Laflin & 15th, Chicago, Ill. *See adv index at end of book*
Condit Electrical Mfg. Co. ("Shawmut"), 842 Summer, Boston, Mass.
Connecticut Electric Mfg. Co., Bridgeport, Conn.
G. & W. Electric Specialty Co. (High Tension), 7440 S. Chicago av, Chicago, Ill.
Gleason James & Co. (N. E. C.), 515 W. Jackson blvd, Chicago, Ill.
Heinemann Geo. (For N. E. C. Fuses), 1224 N 8th, Phila., Pa.
Mutual Electric & Machine Co., 232 Fort W, Detroit, Mich.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa. *See adv index at end of book*
Worcester Electric & Mfg. Co., 42 La Grange, Worcester, Mass.

909a— Blocks (Furnace)

Drake Non-Clinkering Furnace Block Co., 5 Beekman, New York

909b— Blocks (Grain Tanks)

Chattanooga Sewer Pipe Wks., W 11th & Cross, Chattanooga, Tenn.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Macomb Sewer Pipe Wks., Macomb, Ill.

910— Blocks (Hat)

Bredow Robt. A., 1318 E. 6th, Los Angeles, Cal.
Hubbell & Benninger, 324 Lafayette, New York

911—Blocks (Hollow Building)

Ada Clay Co., Ada, O.
American Brick & Tile Co., Mason City, Ia.
American Clay Products Co., 175 5th av, New York
American Sewer Pipe Co., Akron, O.
Armstrong Mfg. Co., Hicksville, Ohio
Athens Brick & Tile Co., Athens, Texas
Big Four Clay Co. (Blue Granite, Rock Face), Malvern, O.
Biglow E. Co., New London, O.
Boone Brick Tile & Paving Co., Boone, Ia.
Bradford Fireproofing Co., Bradford, Pa.
Brazil Hollow Brick & Tile Co., Brazil, Ind.
Cal. Brick Co., 604 Mission, San Francisco, Cal.
Cambria Clay Co., Patton, Pa.
Campfield-Raggle Block Co. (For Silos, Raggle), Richmond, Ind.
Cannon & Co., North Sacramento, Sacramento, Cal.
Chattanooga Sewer Pipe Works, W 11th & Cross, Chattanooga, Tenn.
Clay Product Co., 133 W Washington, Chicago, Ill.
Claymont Brick Wks., New Cumberland, W. Va.
Delta Cement Tile Co., Greenville, Miss.
Dennison Fire Proofing Co., Mason City, Iowa
Des Moines Clay Co., Des Moines, Ia.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Diefenbacher Philip & Son, Massillon, O.
Far West Clay Co., Tacoma, Wash.
Greer-Beatty Clay Co., Magnolia, O.
Grinnell Clay Products Co., Grinnell, Ia.
Gypsum Fireproofing Co. (Gypsum), 205 W Monroe, Chicago, Ill.
Haviland Clay Works, Haviland, O.
Hydro Stone Products Co., 218 S Wabash av, Chicago, Ill.
Macomb Sewer Pipe Works, Macomb, Ill.
Markley Geo. J., Mineral City, O.
Mason City Brick & Tile Co., Mason City, Ia.
Mason City Clay Works, Mason City, Ia.
Mason City Sewer Pipe Co., Mason City, Ia.
Maurer Henry & Son, 420 E 23rd, New York *See adv index at end of book*

HENRY MAURER & SON
420 East 23rd St. New York
Established almost 70 years
MAURER BLOCKS ARE SUBSTANTIAL, TRUE AND UNIFORM, AND WILL HELP YOU TO LAY UP MORE WORK PER DAY.
FACTORY· MAURER, N. J.

Menefee Art Stone Co. (Cement), Fort Wayne, Ind.
National Fire Proofing Co. ("Natco"), 1100 Fulton bldg, Pittsburgh, Pa. *See adv index at end of book*
Ohio Clay Co., Guardian bldg, Cleveland, O.
Penna. Fireproofing Co., Erie, Pa.
Penn Building Block Co., Inc. ("Penn"), 923 Sansom, Phila., Pa.
Pittsburgh Clay Products Co., 1303 Kennan bldg., Pittsburgh, Pa.
Sacramento Building Block Co., Sacramento, Cal.
Sioux City Brick & Tile Co., Sioux City, Iowa
Troy Fireproofing Co., Troy, N. Y.
Truscon Steel Co. (Kahn System), Trussed Concrete bldg, Youngstown, O.
Union Sewer Pipe Co., McKeesport, Pa.
Vigo Am. Clay Co., Terre Haute, Ind.
Whittacre-Greer Fire Proofing Co., Waynesburg, Ohio

912-3—Blocks (Hollow Tile)

Bradford Fireproofing Co., Bradford, Pa.
Cambria Clay Co. (Ruff Texture Rock, Face-Smooth), Patton, Pa.
Gladding McBean & Co., Crocker bldg, San Francisco, Ca.
MAURER, HENRY, & SON, 420 E 23rd, New York *See adv index at end of book*
National Fireproofing Co., 1100 Fulton Building, Pittsburgh, Pa.
Pittsburgh Clay Products Co., Keenan bldg., Pittsburgh, Pa.
Utah Fire Clay Co., Salt Lake City, Utah

914—Blocks (Keyseating Rule)

Goodell-Pratt Co., Greenfield, Mass.

914a— Blocks (Kindergarten)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

915— Blocks (Last)

Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles, H. A., & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

916—Blocks (Lineman's Pulley)

Atlanta Tent & Awning Co., Atlanta, Ga.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Dicke Tool Co., Downers Grove, Ill.
Eureka Tackle Block Co., 324 E 2nd, Cincinnati, Ohio
Jones, W. A., Fdry. & Mach. Co., 4442 W Roosevelt rd, Chicago, Ill. *See adv index at end of book*
Smith & Watson Iron Works, 400 Front, Portland, Ore.
Strong H. M. Steel Products Co., H. Whitney Power bldg, Cleveland, O.
Western Block Co., Lockport, N. Y.

916a— Blocks (Logging)

Clyde Iron Works Sales Co., Duluth, Minn. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Lamb Machine Co., Hoquiam, Wash.
Lidgerwood Mfg. Co., 96 Liberty, New York *See adv index at end of book*
Mallory F. B. Co. ("Diamond M"), 235 Pine, Portland, Ore.
Skookum Co., The ("Skookum"), ft Burlington, Portland, Ore.
Stewart Bros. Co., 271 Pine, Portland, Ore.
Stiles, H. A., & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Taylor E. L. & Co., 71 1st, Portland, Ore.
Washington Iron Works, Seattle blvd & Norman, Seattle, Wash.
Western Block Co., Lockport, N. Y.
Williamette Iron & Steel Wks., ft. of Front, Portland, Ore.
Young Iron Works, 2951 First av S, Seattle, Wash.

916b— Blocks (Pillow)

See also Power Transmitting Machinery

Allis-Chalmers Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
Atlas Ball Co., N America & Glenwood av, Philadelphia, Pa.
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Bond Foundry & Machine Co., Penn St., Manheim, Pa.
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Chain Belt Co., 746 Park, Milwaukee, Wis. *See adv index at end of book*
Colonial Supply Co. (Ball Bearing), 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Fafnir Bearing Co. ("Fafnir" Ball Bearing), New Britain, Conn.
Golden's Foundry & Machine Co., Columbus, Ga.
Hoist & Crane Engineering Co. (The), Engineering bldg, Liberty, New York *See adv index at end of book*
Hunt Rodney Mach. Co., Orange, Mass.
JONES W. A. FOUNDRY & MACHINE CO., 4442 W Roosevelt rd, Chicago, Ill. *See adv index at end of book*
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Stater & Williams, Inc., 301 Clay, Oakland, Cal.
Sprout, Waldron & Co., Muncy, Pa. *See adv index at end of book*
Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.
Wood's, T. B., Sons Co., Chambersburg, Pa.

917—Blocks (Print, For Oil Cloth)

Fuller's Geo. Sons, Hallowell, Me.

918— Blocks (Raggle)

Campfield Raggle Block Co., Richmond, Ind.
Chattanooga Sewer Pipe Works, W 11th & Cross, Chattanooga, Tenn.
Dickey, W. S., Clay Mfg. Co., Kansas City, Mo.
Macomb Sewer Pipe Works, Macomb, Ill.
San Antonio Sewer Pipe Works, San Antonio, Texas

919— Blocks (Rail)

Arthur W. H. ("Arthur" Hump), Stamford, Conn.

919a—Blocks (Segment Sewer)

Brown Hoisting Machine Co. (The) (Wooden), 4403 St. Clair av, Cleveland, Ohio *See adv index at end of book*
Chattanooga Sewer Pipe Wks. (for Sewers & Culverts, 30-inch to 108-inch), W 11th & Cross, Chattanooga, Tenn.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Eastern Clay Goods Co., 141 Milk, Boston, Mass.
Macomb Sewer Pipe Wks. (for Sewers & Culverts, 30-in. to 108-in), Macomb, Ill
Robinson Clay Products Co., 2nd National bldg, Akron, Ohio
Washington Brick, Lime & Sewer Pipe Co., Spokane, Wash.

919b— Blocks (Sewer Invert)

Dickey, W. S., Clay Mfg. Co., Kansas City, Mo.
Macomb Sewer Pipe Wks., Macomb, Ill.

920—Blocks (Sheave, for Derricks)

Clyde Iron Works Sales Co., Duluth, Minn. *See adv index at end of book*
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 816 W Erie, Chicago, Ill. *See adv index at end of book*
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
O'Kell Well Machinery Co., 151 N Los Angeles, Los Angeles, Cal.
Western Block Co., Lockport, N. Y.

921— Blocks (Silo)

Chattanooga Sewer Pipe Wks., W 11th & Cross, Chattanooga, Tenn.
CRAINE SILO CO., INC., 27 Sheldon, Norwich, N. Y. *See adv index at end of book*
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Finzer Bros. Clay Co., Sugarcreek, Ohio

Blocks (Silo)—Continued

Longmont Brick & Tile Co., Longmont, Colo.
Macomb Sewer Pipe Wks., Macomb, Ill.
National Fireproofing Co., 1100 Fulton bldg, Pittsburgh, Pa.
See adv index at end of book

921a— *Blocks (Size)

Pratt & Whitney Co. ("Hoke" Precision), Hartford, Conn.
See adv index at end of book
Way A. F. Co., Inc. ("Loway"), Dept. H, Hartford, Conn.

921b— Blocks (Snatch)

Bacon & Matheson Forge Co., 17H W. Lander, Seattle, Wash.
Clyde Iron Works Sales Co., Duluth, Minn.
See adv index at end of book
Laughlin Thos. Co., 135 Fore, Portland, Me.
See adv index at end of book
Western Block Co., Lockport, N. Y.

921c—Blocks (Stator and Rotor)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes, E. B., & Sons, 364 5th av, New York
See adv index at end of book
Nashua Spool & Bobbin Co., Haverhill National Bank bldg, Haverhill, Mass.
Novelty Turning Co. (Small), Norway, Me.
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book
Stiles, H. A., & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book
Waterbury Button Corp., 831 S Main, Waterbury, Conn.
See adv index at end of book

922—*Blocks (Stiff Leg Head)

Ryers Machine Co., The, 242 Sycamore, Ravenna, O. ***See adv index at end of book***

923— Blocks (Switch)

Bryant Electric Co., 1421 State, Bridgeport, Conn.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

924— Blocks (Tackle)

American Block & Mfg. Co., Warren, Ohio
CARPENTER & CO., GEO. B., 434 N Wells st, Chicago, Ill.
See adv index at end of book
Channon Jas. H. Mfg. Co. ("Bullock" Steel or Wood), 227 W Erie, Chicago, Ill.
Cleveland Block Co. (Malleable Iron), 1173 W 11th, Cleveland, O.
Clyde Iron Works Sales Co., Duluth, Minn.
See adv index at end of book
Continental Bridge Co., 460 Monadnock block, Chicago, Ill.
Cottingham L. K. & Sons Co., 110 N Delaware av, Phila., Pa.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Edwards, H. D., & Co., 175 E Larned, Detroit, Mich.
Eureka Tackle Block Co., 324 E 2nd, Cincinnati, Ohio
Fischer & Hayes Rope & Steel Co., 816 W Erie, Chicago, Ill.
See adv index at end of book
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Fulton Iron Works ("Sure-Grip"), 39 Franklin, Detroit, Mich.
Gloucester Block Co., Gloucester, Mass.
Hartz H. V. Co. (Steel), Cuyahoga & Mohoning av, Cleveland, O.
Irving Mfg. & Tool Co., 157 Chambers, New York
Lane Bros. Co. (Automatic Lock), Poughkeepsie, N. Y.
Laughlin Thos. Co., 135 Fore, Portland, Me.
See adv index at end of book
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
Lufkin C. F., Gloucester, Mass.
McMillan's W. H. Sons, 153 South, New York
Merriman Bros., 185 Amory, Boston, Mass.
Meyer Henry H. Co. (Dlrs.), 110 S. Howard, Baltimore, Md.
See adv index at end of book
Neptune Hardware Mfg. Co., 80 Warren, New York
Patterson W. W. Co. ("Patterson"), Wood & Steel Hand Made, 54 Water, Pittsburgh, Pa.
Pittsburgh Block & Mfg. Co. ("Ferguson," "Little Giant," "Big Giant," "Patterson," Wood or Steel Shell), 818 South av, Pittsburgh, Pa.
Roeblings John & Sons Co., Trenton, N. J.
See adv index at end of book
Steward Davit & Equipment Corp., 17 Battery pl, New York.
Stowell Co. The, South Milwaukee, Wis.
Tarr Geo. C., Gloucester, Mass.
Terry & Tench Co., Inc., Grand Central Term., New York
Topping Bros., 156 Varick, New York
See adv index at end of book
Union Hardware Co., Torrington, Conn.
Union Mfg. & Lbr. Co., Northville, Mich.
United Shipsmithing Co., 135 Spear, San Francisco, Cal.
Upson-Walton Co., The, 1294 W 11th, Cleveland, Ohio
Western Block Co. ("Anvil," Wood, Wrought Iron & Steel), Lockport, N. Y.
White, E. V., & Co. (Mfrs. Agts.), 420 Water, Norfolk, Va.
Young Iron Works, 2951 1st av, S. Seattle, Wash.

Blocks (Tank)

See Glass House Clay Supplies

924a— *Blocks (Tenpin)

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

925— Blocks (Terminal)

Continental Fibre Co. ("Bakelite-Dilecto"), Newark, Del.
Eureka Supply Co., Sewell, N. J.

926— Blocks (Wire Rope)

See also Blocks, Tackle
American Hoist & Derrick Co., St. Paul, Minn.
Bacon & Matheson Forge Co., 17H W Lander, Seattle, Wash.
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
CLYDE IRON WORKS SALES CO., Duluth, Minn. *See adv index at end of book*
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 816 W Erie, Chicago, Ill.
See adv index at end of book
Laughlin Thos. Co., 135 Fore, Portland, Me.
See adv index at end of book
Mallory F. B. Co. (Logging), 235 Pine, Portland, Ore.
Smith & Watson Iron Wks. ("Smith" Logging), 400 Front, Portland, Ore.
Stewart Bros. Co. (Loggers), 271 Pine, Portland, Ore.
Taylor E. L. & Co. (Loggers), 71 First, Portland, Ore.
Upson-Walton Co., The, 1294 W 11th, Cleveland, Ohio
Western Block Co., Lockport, N. Y.
Young Iron Works (Logging), 2951 1st av S., Seattle, Wash.

927— Blocks (Wood)

Bacon & Matheson Forge Co., 17H W Lander, Seattle, Wash.
Basic Mfg. Co., Wilmington, Del.
Bogert & Hopper, Inc. (All kinds for all Purposes), 57 Barclay, New York
See adv index at end of book
ESTES E. B. & SONS (All Kinds, for All Purposes, Plain or Enameled, 364 5th av, New York
See adv index at end of book
Mahle, C. A., & Son, Ltd. (Bored for Brush Handles, etc.), Corry, Pa.
Nashua Spool & Bobbin Co. (Spinning for Jute Mills), Haverhill National Bk. bldg, Haverhill, Mass.
Patterson W. W. Co. (Snatch-Hand Made) ("Patterson"), 54 Water, Pittsburgh, Pa.
REPUBLIC CREOSOTING CO. (Creosoted), Merchants Bk. bldg., Indianapolis, Ind. *See adv index at end of book*
Wyckoff Pipe & Cresoting Co. (Creosoted), 17-H E. 42nd, New York.

928— Blocks (Wrecking)

Channon Jas. H. Mfg. Co. (Heavy), 227 W Erie, Chicago, Ill.
Eureka Tackle Block Co., 324 E 2nd, Cincinnati, Ohio
Laughlin Thos. Co. (With Lashing Shackles), 135 Fore, Portland, Me.
See adv index at end of book
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
Western Block Co., Lockport, N. Y.

929— Blocks (Yacht)

Bacon & Matheson Forge Co., 17H W Lander, Seattle, Wash.
Gloucester Block Co., Gloucester, Mass.
Laughlin Thos. Co., 135 Fore Portland, Me.
See adv index at end of book
McMillan's W. H. Sons, 153 South, New York
Merriman Bros., 185 Amory, Jamaica Plains, Boston, Mass.
Western Block Co., Lockport, N. Y.

930— Blood (Dragons')

Anderson-Hillier Co. Inc., 73 Hudson, New York

931— Blooms (Charcoal Iron)

Duke Steel Co. Inc., 191 Pearl, New York
Reeves Mfg. Co., Dover, O.

932— Blow-Case (Automatic)

Graver Corp., 4020 Todd av, E. Chicago, Ind.
See adv index at end of book
SCHUTTE & KOERTING CO., 1251 N 12th, Phila., Pa. ***See adv index at end of book***

932a— Blow (Cases)

Bethlehem Fdry & Mach. Co., Bethlehem, Pa.
General Ceramics Co., 50 Church, New York
Knight Maurice Co., Akron, O.
Lehigh Foundry Co., Fullerton, Pa.

933—Blow-Guns (Machine Shop & Foundry)

BINKS SPRAY EQUIPMENT CO., 3129 Carroll av ("Binks"), Chicago.
Lunkenheimer Co., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
See adv index at end of book
Powell Wm. Co. ("Powell," for Cleaning Lathes, Work Benches, Taps, Dies, etc., 2525 Spring Grove av, Cincinnati, O. *See adv index at end of book*

933a—Blow-Off Pipe Protection

Huyette Paul B. Co. ("Mather"), 5H S 13th, Phila., Pa.
McLeod & Henry Co., 360 1st, Troy, N. Y.

934—Blow Pipes & Brazing Apparatus

American Gas & Furnace Co. (Gas), Spring & Lafayette, Elizabeth, N. J.
Astle H. J. & Co., 113 Orange, Providence, R. I.
Baer Sheet Metal Works, 219 W. 3rd, Marion, Ind.
Bastian-Blessing Co., 240 E Ontario, Chicago, Ill.
See adv index at end of book
Baylis Company, Bloomfield, N. J.
Bernz Otto, 17-37 Ashland, Newark, N. J.
Boekel Wm. & Co., 513 Vine, Phila., Pa.
Braun-Knecht-Heimann Co., 534 Mission, San Francisco, Cal.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Buffalo Dental Mfg. Co., 589 Main, Buffalo, N. Y.
Clayton & Lambert Mfg. Co., 1370-80 Beaubien, Detroit, Mich.
Cyclone Blow Pipe Co., 2552 W 21st, Chicago, Ill.
Dixon Wm. (Jewelers & Dentists), 119 Fulton, New York
Dyer Co., 155 Brookline, Cambridge, Mass.
Economy Welding Machine Co., Kansas City, Mo.
Hald, Emil Blow Pipe Wks., 84 Oak, Brooklyn, N. Y.
Hauck Mfg. Co., 136 10th, Brooklyn, N. Y.
See adv index at end of book
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Marshall Foundry Co., 23th & R. R., Pittsburgh, Pa.
Metal Specialties Mfg. Co. (Jewelers & Dentists), Dept. H, 338 N Kedzie av, Chicago, Ill.
Monarch Engng. & Mfg. Co., American bldg, Baltimore, Md.
National Blow Pipe & Mfg. Co. (Blow Pipes), 738 Dryades, New Orleans, La.
National Rubber & Specialty Co. (Brazing App. only), Cincinnati, O.
Newark Brass Works, 22 Lawrence, Newark, N. J.
New Haven Sand Blast Co. ("New Haven"), 6 Church, New Haven, Conn.
Rickard F. A. Blow Pipe Works, 3308 S Main. Los Angeles, Cal.
Silverton Blow Pipe Co., 109H West Main, Silverton, Oregon
Skinner Bros. Mfg. Co., Vandeventer & Boyle, St. Louis, Mo.
Turner Brass Works (Gasolene & Kerosene), Sycamore, Ill.
Weldcraft Equipment Co., 2501 Penn. av, Pittsburgh, Pa.

Blow Piping

See Exhausts & Blow Piping

935— Blower Mfrs.

See also Sub-classifications
Abbe Paul O., Inc. ("Abbebilt"), 71 Murray, New York
See adv index at end of book
Abbe Engineering Co., 216-224 B'way, New York. ***See adv index at end of book***
Advance Furnace & Engrg. Co. (Allen), Springfield, Mass.
Allen & Billmyre Co., Inc., Grand Central Palace, New York
See adv index at end of book


Multi-stage Centrifugal Blowers
Displacing large air volumes against pressures of one to several pounds.
ALLEN & BILLMYRE CO., Inc.
Engineers—Manufacturers
Grand Central Palace New York

ALLINGTON & CURTIS MFG. CO., 1500 Holland av, Saginaw, Mich.
American Blower Co., 6004 Russell, Detroit, Mich.
American Gas & Furnace Co. (Positive Pressure), Spring & Lafayette, Elizabeth, N. J.

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813 George St.....BALTIMORE, MD.
372 Whitehall St.....ATLANTA, GA.
709 Columbia Bk. Bldg., PITTSBURGH, PA.
1400 Broadway.....NEW YORK
27 W. Williams St.....BOSTON 19, MASS

Autovent Fan & Blower Co. ("Uniblade" Volume), 736 W. Monroe, Chicago, Ill.
BAKER EDW. F. & CO., 608 Otis bldg, Chicago
Barnett John, Rochester, N. Y.
BAYLEY MFG. CO., 766 Greenbush, Milwaukee, Wis.
BUCKEYE BLOWER CO., 425 W. Town, Columbus, Ohio
See adv index at end of book
Buffalo Dental Mfg. Co. (foot), Buffalo, N. Y.
Buffalo Forge Co. (Hand & Power), 490 Broadway, Buffalo, N. Y.
Canedy-Otto Mfg. Co. ("Western Chief" Power), Chicago Heights, Ill.
Champion Blower & Forge Co., Lancaster, Pa.
Chase Turbine Mfg. Co. (Fan), Orange, Mass.
Clements Mfg. Co. (Electric Portable), 601-13H Fulton, Chicago, Ill.
Combustion Utilities Corp., 8-10 Bridge, New York
Connecticut Blower Co., Inc., 345 Trumbull, Hartford, Conn.
Connersville Blower Co. (Rotary), Connersville, Ind.
Coppus Engineering & Equipment Co. (Forced Draft), 344 Park, Worcester, Mass.
Cyclone Blow Pipe Co., 2542 W 21st, Chicago, Ill.
De Laval Steam Turbine Co. (Turbine Driven), East Trenton, N. J.
See adv index at end of book
Dixie Mfg. Co., Russell & B. & O. R. R., Baltimore, Md.
Dixon Wm. (Foot & Power for Jewelers & Dentists), 119 Fulton, New York
Electric Blower Co. ("Marvel"), 350 Atlantic av, Boston, Mass.
Fuller Co., 1131 Park av, Detroit, Mich.
Garden City Fan Co., 332 S Michigan av, Chicago, Ill.
Globe Elec. Co., 6340 Stony Island av, Chicago, Ill.
Green Fuel Economizer Co., Beacon, N. Y.
Hackney Ventilating Co., Prior & University, St. Paul, Minn.
Hadfield-Penfield Steel Co. (The), Bucyrus, O. ***See adv index at end of book***
Hersh Bros. Co. ("Lehigh"), 645 H Mill, Allentown, Pa.
Hirshman W. F. Inc., 92H Main, Buffalo, N. Y.
Hollingsworth Wm., 229 N Holliday, Baltimore, Md.
Hope Fan & Blower Co., 1509 Central, Kansas City, Mo.
Howard & Morse ("Blackman" & "Duplex Cone"), 45 Fulton, New York
Ilg Electric Ventilating Co. ("Ilg"), Crawford av, near Diversey blvd, Chicago, Ill.
Indiana Fan Co. ("Indiana"), 40 E South, Indianapolis, Ind.
Ingersoll-Rand Co. ("I-R" Turbo-Electric Motor & Steam Turbine Driven), 11 B'way, New York
See adv index at end of book
Jeffrey Mfg. Co., 961 Fourth, Columbus, O.
See adv index at end of book
Kelker Blower Co., 2383 Fillmore av, Buffalo, N. Y.
Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cincinnati, O.
Leiman Bros., 60 Lispenard, New York
Massachusetts Blower Co., Watertown, Mass.
Master Fan Corp., 1327 Channing, Los Angeles, Cal.
Monarch Engineering & Mfg. Co. (Low Pressure), American bldg, Baltimore, Md.
National Blow Pipe & Mfg. Co., 738 Dryades, New Orleans, La.
New England Ventilating & Heating Co., 926 Manton av, Providence, R. I.
New York Blower Co., Archer av & Canal, Chicago, Ill.; Factory: Bucyrus, Ohio
Pacific Blower & Heating Co., 224 5th, San Francisco, Cal.
Piqua Blower Co. ("Piqua" Rotary & Positive), Piqua, Ohio
Potts D. H. Co. (Fan), Lancaster, Pa.
Robinson Ventilating Co. (Pressure), Jenkins Arcade, Pittsburgh, Pa.
Roots P. H. & F. M. Co. (Rotary), Connersville, Ind.
Rosewater Electric, 5516 Hinsman rd, Cleveland, O.
Roth Bros. & Co. ("Roth"), 1400 W Adams, Chicago, Ill.
Skinner Bros. Mfg. Co., Vandeventer & Boyle av, St. Louis, Mo.
Star Drilling Machine Co., Akron, O.
Sterling Blower Co. ("Sterling"), Hartford, Conn.
Stockwell & Co. (Small), 229 N. Holliday, Baltimore, Md.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
United Blower Co., Inc., 1267 Folsom, San Francisco, Cal.
Western Blower Co., 1800 9th av, S Seattle, Wash.
Wilbraham-Green Blower Co. ("Green" Rotary Pressure), Pottstown, Pa.
Wing L. J. Mfg. Co. ("Type R. E." Turbine Blower), 352 W 13th, New York

936— Blowers (Acid)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Am. Blower Co., 6004 Russell, Detroit, Mich.
Barney Ventilating Fan Works (A. B. Franklin, Prop), 19 Chardon, Boston, Mass.
Connecticut Blower Co., Inc., 345 Trumbull, Hartford, Conn.
CROWELL MFG. CO., 321 Franklin av, Brooklyn, N. Y.
See adv index at end of book
Duriron Castings Co., Dayton, O.
Elmer & Amend ("Gramercy"), 205 E 18th, New York
Guild & Garrison, 457 Kent av, Brooklyn, N. Y.
Invincible Blow Pipe Co., 1822 N Lamon av, Chicago, Ill.
Kelker Blower Co. Inc., 2383 Fillmore av, Buffalo, N. Y.
See adv index at end of book
Titusville Iron Co., Titusville, Pa.

936a— Blowers (Blast)

BAKER, EDW. J., & CO., 608 Otis bldg, Chicago, Ill.
Connecticut Blower Co., Inc., 345 Trumbull, Hartford, Conn.
Coppus Engineering & Equipment Co., 344 Park, Worcester, Mass.
Kelker Blower Co. Inc., 2383 Fillmore av, Buffalo, N. Y.
See adv index at end of book
MacLeod Co. (Sand), 2227 Bogen, Cincinnati, O. *See adv index at end of book*

Blowers (Boiler Flue)

See Cleaners, Boiler Flue or Tube; Soot Blowers & Suckers

936b—Blowers (Centrifugal Pumps)

ABBE ENGINEERING CO., 38 Church, New York *See adv index at end of book*
Connecticut Blower Co., Inc., 345 Trumbull, Hartford, Conn.
Coppus Engineering & Equipment Co., 344 Park, Worcester, Mass.
Kelker Blower Co. Inc., 2383 Fillmore av, Buffalo, N. Y.
See adv index at end of book

936c— Blowers (Cupola)

BAKER EDW. J. & CO., 608 Otis bldg, Chicago, Ill.
Coppus Engineering & Equipment Co., 344 Park, Worcester, Mass.
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
Kelker Blower Co. Inc., 2383 Fillmore av, Buffalo, N. Y.
See adv index at end of book
Spencer Turbine Cleaner Co., 484 New Park av, Hartford, Conn.

937— Blowers (Cycloidal)

Garden City Fan Co., 332 S Michigan av, Chicago, Ill.
Kelker Blower Co. Inc., 2383 Fillmore av, Buffalo, N. Y.
See adv index at end of book

938— Blowers (Cyclone)

Abbe Paul O. Inc., 71A Murray, New York
See adv index at end of book
BAKER EDW. J. & CO., 608 Otis bldg, Chicago, Ill.
Kelker Blower Co. Inc., 2383 Fillmore av, Buffalo, N. Y.
See adv index at end of book
Northern Blower Co. (The), Denison & W 65th, Cleveland, Ohio
See adv index at end of book
Ramey Mfg. Co., Livington av, Columbus, Ohio
Stauffer Geo. E. (Kitson's for Burning Culm & Slack), E Stroudsburg, Pa.

939— Blowers (Electric)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Allen & Billmyre Co., Inc., Grand Central Palace, New York
See adv index at end of book
Allen E. H. Co., 22 Dorrance, Boston, Mass.
Am. Blower Co., 6004 Russell, Detroit, Mich.
BAKER EDW. J. & CO., 608 Otis bldg, Chicago, Ill.
BEACH-RUSS CO., 38 Church, New York
See adv index at end of book
Buckeye Blower Co., 425 W. Town, Columbus, O. *See adv index at end of book*
Buffalo Forge Co. ("Buffalo"), 490 Broadway, Buffalo, N. Y.
Clements Mfg. Co. (Portable), 601-13H Fulton, Chicago, Ill.
Connecticut Blower Co., Inc., 345 Trumbull, Hartford, Conn.
Coppus Engineering & Equipment Co., 344 Park, Worcester, Mass.
Diehl Mfg. Co., Elizabeth, N. J.
Electric Blower Co. ("Marvel"), 350 Atlantic av, Boston, Mass.
Emerson Electric Mfg. Co., 2024 Washington av, St. Louis, Mo.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Garden City Fan Co., 332 S Mich av, Chicago, Ill.
Green Fuel Economizer Co., Beacon, N. Y.
Hersh Bros. Co., 645 H Mill, Allentown, Pa.
Kelker Blower Co., 2383 Fillmore av, Buffalo, N. Y.
See adv index at end of book
Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cincinnati, O.
Mass. Blower Co., Watertown, Mass.
Master Fan Corp., 1327 Channing, Los Angeles, Cal.
National Blow Pipe & Mfg. Co., 738 Dryades, New Orleans, La.
N. Y. Blower Co., Archer av & Canal, Chicago, Ill.
Rockwell W. S. Co., 50 Church, New York
See adv index at end of book
Rosewater Elec. Co., 5516 Hinsman rd, Cleveland, O.
Skinner Bros. Mfg. Co., Vandeventer & Boyle, St. Louis, Mo.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Superior Meter Co. (Also Silent & Anaesthetic), Bush, 167 41st, Brooklyn, N. Y.

939a— Blowers (Fan)

Am. Blower Co. ("Sirocco"), 6004 Russell, Detroit, Mich.

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Sand Blast Rooms, Turntables, Cabinets and Pressure Tanks. Core and Japanning Ovens, Rack, Bar and Conveyor, Intermittent or Continuous. Small Portable Ovens, Dust Collecting Systems, Cyclones, Dust Arresters and Filters for Foundries, Pattern Shops, Cement, Crushed Rock or Coal, Pulverizing, Lime and Chemical Plants. Pure, clean air for compressors and ventilation systems.

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Blowers (Fan)—Continued

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BAKER EDW. J. & CO., 608 Otis bldg, Chicago, Ill.
Buckeye Blower Co., 425 W. Town, Columbus, O. *See adv index at end of book*
Buffalo Forge Co., 490 Broadway, Buffalo, N. Y.
Combustion Utilities Corp., 8-10 Bridge, New York
Coppus Engineering & Equipment Co., 344 Park, Worcester, Mass.
De Laval Steam Turbine Co., E. Trenton, N. J.
Garden City Fan Co., 332 S. Michigan, Chicago, Ill.
Green Fuel Economizer Co., Beacon, N. Y.
Hersh & Bro., 645 H Mill, Allentown, Pa.
Jeffrey Mfg. Co., 961 Fourth, Columbus, O. *See adv index at end of book*
Kelker Blower Co. Inc., 2383 Fillmore av, Buffalo, N. Y. *See adv index at end of book*
Kennedy Van Saun Mfg. & Eng. Corp., 50 Church, New York *See adv index at end of book*
Manhattan Rubber Mfg. Co., Passaic, N. J.
Massachusetts Blower Co., Watertown, Mass.
Master Fan Corp., 1327 Channing, Los Angeles, Cal.
Mine & Smelter Supply Co., Denver, Colo.
National Blow Pipe & Mfg. Co., 738 Dryades, New Orleans, La.
Northern Blower Co. (The), Denison & W 65th, Cleveland, Ohio *See adv index at end of book*
Sturtevant Co., B. F., 15 Damon, Hyde Park, Boston, Mass.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York *See adv index at end of book*
Western Blower Co., Seattle, Wash.

940— Blowers (Forge)

Am. Blower Co., 6004 Russell, Detroit, Mich.
Buckeye Blower Co., 425 W. Town, Columbus, O. *See adv index at end of book*
Buffalo Forge Co. ("Buffalo"), 490 Broadway, Buffalo, N. Y.
Canedy-Otto Mfg. Co. ("Royal," "Western Chief"), Chicago Heights, Ill.
Champion Blower & Forge Co., Lancaster, Pa.
Cleveland Steam Gauge Co. ("Watson"), 1103 W 9th, Cleveland, O.
Coppus Engineering & Equipment Co., 344 Park, Worcester, Mass.
Electric Blower Co. ("Marvel" Electric), 350 Atlantic av, Boston, Mass.
Garden City Fan Co., 332 S Michigan av, Chicago, Ill.
Gardner R. Electrical Works ("Greyhound" Electric), 1712 Columbus rd, Cleveland, O.
Green Fuel Economizer Co., Beacon, N. Y.
Hersh Bros. Co., 645 H Mill, Allentown, Pa.
Ilg Elec. Ventg. Co., Crawford av, near Diversey blvd, Chicago, Ill.
Kelker Blower Co. Inc., 2383 Fillmore av, Buffalo, N. Y. *See adv index at end of book*
New York Blower Co., Archer av & Canal, Chicago, Ill.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Rockwell W. S. Co., 50 Church, New York *See adv index at end of book*
Roth Bros. & Co., 1400 W Adams, Chicago, Ill.
Ryerson, Jos. T., & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Star Drilling Machine Co., Akron, O.
Sturtevant B. F. Co. ("Sturtevant"), (Electric, etc.), 15 Damon, Hyde Park, Boston, Mass.

941— Blowers (Furnace)

Advance Furnace & Engrg. Co., Allen, Springfield, Mass.
Allis-Chalmers Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
American Blower Co., 6004 Russell, Detroit, Mich.
Astle H. J. & Co., 118 Orange, Providence, R. I.
BAKER EDW. J. & CO., 608 Otis bldg, Chicago, Ill.
Beggs, James, & Co., 30 Warren, New York *See adv index at end of book*
Buffalo Forge Co., 490 Bway, Buffalo, N. Y.
Coppus Engineering & Equipment Co., 344 Park, Worcester, Mass.
Donegan & Swift (Steam, "Swift's Economy"), 132 Nassau, New York
Godfrey Keeler Co., 70 Warren, New York
Hersh Bros. Co., 645 H Mill, Allentown, Pa.
Ingersoll-Rand Co., 11 B'way, New York *See adv index at end of book*
Kelker Blower Co. Inc., 2383 Fillmore av, Buffalo, N. Y. *See adv index at end of book*
Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cincinnati, O.
Leiman Bros., 60 Lispenard, New York
Monarch Engng. & Mfg Co., American bldg, Baltimore, Md.
Monarch Soot Remover Co., Inc., 261 Franklin, Boston, Mass.
New Haven Sand Blast Co. ("New Haven"), 6 Church, New Haven, Conn.
Rockwell W. S. Co. (Gas & Oil) 50 Church, New York. *See adv index at end of book*
Schutte & Koerting Co. (Undergrate), 1251 N 12th, Phila., Pa. *See adv index at end of book*

BLOWERS (Steam Jet)

For undergrate, forced draft. Also for chemical fumes; steam operated; spindle regulated; large capacities; no moving parts.

Schutte & Koerting Company

1251 North 12th St., Philadelphia, Pa.

Wing L. J. Mfg. Co., 352 W 13th, New York

941a—Blowers (Gas Producer)

See also Exhausters, Gas

Buffalo Forge Co., 490 Bway, Buffalo, N. Y.
Combustion Utilities Corp., 8-10 Bridge, New York
Coppus Engineering & Equipment Co., 344 Park, Worcester, Mass.
Kelker Blower Co. Inc., 2383 Fillmore av, Buffalo, N. Y. *See adv index at end of book*
Schutte & Koerting Co., 1251 N 12th, Phila., Pa.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.

942— Blowers (Hand)

See also Forges, Portable

Beach-Russ Co., 38 Church, New York *See adv index at end of book*
Buffalo Forge Co., 490 Broadway, Buffalo, N. Y.
Canedy-Otto Mfg. Co. ("Royal"), Chicago Heights, Ill.
Champion Blower & Forge Co., Lancaster, Pa.
Kelker Blower Co. Inc., 2383 Fillmore av, Buffalo, N. Y. *See adv index at end of book*
Roots P. H. & F. M. Co., Connersville, Ind.

942a— *Blowers (Lead)

Schutte & Koerting Co. (Undergrate), 1251 N 12th, Phila., Pa. *See adv index at end of book*

943— Blowers (Motor Driven)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York *See adv index at end of book*
Allen & Billmyre Co., Inc., Grand Central Palace, New York *See adv index at end of book*
Autovent Fan & Blower Co. ("Uniblade"), 736 W. Monroe, Chicago, Ill.
BAKER EDW. J. & CO., 608 Otis bldg, Chicago
Buckeye Blower Co., 425 W. Town, Columbus, O. *See adv index at end of book*
Combustion Utilities Corp., 8-10 Bridge, New York
Coppus Engineering & Equipment Co., 344 Park, Worcester, Mass.
Hersh Bros. Co., 645 H Mill, Allentown, Pa.
Kelker Blower Co. Inc., 2383 Fillmore av, Buffalo, N. Y. *See adv index at end of book*
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.

944— Blowers (Organ)

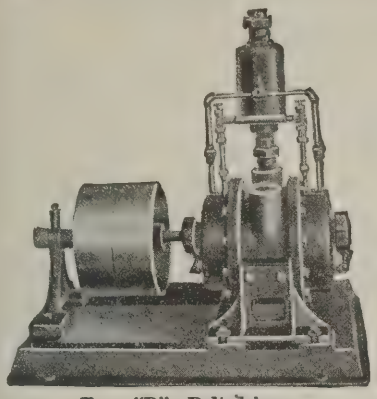
Allen & Billmyre Co., Inc., Grand Central Palace, New York *See adv index at end of book*
American Blower Co., 6004 Russell, Detroit, Mich.
Backus Water Motor Co., 172 Penna av, Newark, N. J.
Buffalo Forge Co., 490 Bway, Buffalo, N. Y.
Coppus Engineering & Equipment Co., 344 Park, Worcester, Mass.
Electric Blower Co., 352 Atlantic av, Boston, Mass.
Kelker Blower Co. Inc., 2383 Fillmore av, Buffalo, N. Y. *See adv index at end of book*
Kinetic Engng. Co. (also Piano), 60th & Baltimore av, Phila., Pa.
Spencer Turbine Co. ("Orgoblo" or "Spencer" Silent), 484 New Park av, Hartford, Conn.
United Music Stores ("Kleernote" Player Piano Pumps), 619H Cherry, Phila., Pa.

945—Blowers (Positive Pressure)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York *See adv index at end of book*
Abbe Engng. Co., 216-224 B'way, New York *See adv index at end of book*
ALLEN & BILLMYRE CO., INC. (Rotary and Centrifugal Blowers), Grand Central Palace, New York. *See adv index at end of book*
Am. Gas Furnace Co., Elizabeth, N. J.
Astle H. J. & Co. ("Boland"), 118 Orange, Providence, R. I.
BAKER, EDW. J., & CO., 608 Otis bldg, Chicago, Ill.
Baker-Hansen Mfg. Co., 1900-1912 Park, Alameda, Cal.

HENDRICKS' REGISTER BRINGS INQUIRIES

KEY YOUR ADVERTISEMENT AND BE CONVINCED



Type "D"—Belt-driven

CROWELL

Patented

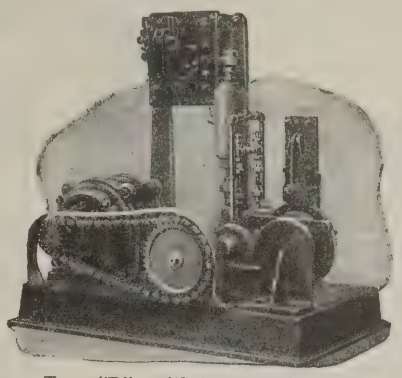
Vacuum Pumps, Air Compressors
Positive Pressure Blowers

ARE THE BEST

Economical in floor space and power. Made in ten standard sizes from 2 to 400 cu. ft. per minute capacity, for pressures up to 30 pounds or a vacuum of 29 to 30 inches.

STANDARD OF QUALITY FOR OVER 40 YEARS

CROWELL MANUFACTURING CO.
321 Franklin Avenue Brooklyn, N. Y.



Type "D"—with Motor Drive and Automatic Control

Beach-Russ Co., 38 Church, New York
See adv index at end of book



POSITIVE PRESSURE BLOWERS

NO VALVES SPRINGS GEARS | Silent in Operation Pressures 1 to 25 Lbs. Ball Bearing Construction

For
Agitating—Paint Spraying—Furnaces (Gas or Oil)
Blowing Chips from Presses
Pneumatic Systems—Sand Blast

BEACH-RUSS COMPANY
38 Church Street New York City

Buffalo Forge Co., 490 Broadway, Buffalo, N. Y.
Campbell-Hausfeld Co., Harrison, Ohio
Connecticut Blower Co., Inc., 133 Sheldon, Hartford, Conn.
Connersville Blower Co. ("Victor"), Connersville, Ind.
CROWELL MFG. CO. ("Crowell," Rotary), 321 Franklin av, Brooklyn, N. Y.
See adv index at end of book
Garden City Fan Co., 332 S. Michigan av, Chicago, Ill.
Hollingsworth Wm., 229 N Holliday, Baltimore, Md.
Hoysradt & Case, Kingston, N. Y.
Kelker Blower Co. Inc., 2383 Fillmore av, Buffalo, N. Y.
See adv index at end of book
Kruger & Blind Co., 511 Master, Phila., Pa.
Lebran Blower Factory ("Lebran"), 511 Master, Phila., Pa.

BLOWERS - *POSITIVE PRESSURE*

For use in Chemical Plants, Gas Heating Furnaces, Gas and Oil Furnaces, Gas Irons, Laboratory Work, Ice Cream Cone Machines and Glass Blowers. Non-Pulsating, no Tank necessary.

LEBRAN BLOWER FACTORY
511 Master St. PHILADELPHIA, PA.

Leiman Bros., 60 Lispenard, New York
Mine & Smelter Supply Co., Denver, Colo.
Monarch Engng. & Mfg. Co. ("Monarch" Low Pressure), American bldg, Baltimore, Md.
Piqua Blower Co. ("Piqua"), Piqua, Ohio
Provost, Engng. Corp., 216-224 B'way, New York
Rockwell W. S. Co. (For Furnace), 50 Church, New York
See adv index at end of book
Roots P. H. & F. M. Co., Connersville, Ind.
Spencer Turbine Cleaner Co., 484 New Park av, Hartford, Conn.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Timmis & Clissold, Bound Brook, N. J.
U. S. Gas Furnace Co., 46 Clifford, Providence, R. I.
United States Gas Machine Co., Muskegon, Mich.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.
Wilbraham-Green Blower Co. ("Green"), Pottstown, Pa.
Wing L. J. Mfg. Co. ("Hypress" from 1 to 10 lbs. pressure), 352 W 13th, New York

946—Blowers (Powder, Rubber)

Tyer Rubber Co. ("Tyrian" red Bulb, Hard Rubber Tube), Andover, Mass.

Blowers (Pressure)

See Blowers, Positive Pressure; also Blowers, Rotary

947— Blowers (Rotary)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Allen & Billmyre Co., Inc., Grand Central Palace, New York
See adv index at end of book
BAKER EDW. J. & CO., 608 Otis bldg, Chicago
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Buckeye Blower Co., 425 W. Town, Columbus, O. *See adv index at end of book*
Combustion Utilities Corp., 8-10 Bridge, New York
Coppus Engineering & Equipment Co., 344 Park, Worcester, Mass.
Garden City Fan Co., 332 S Michigan av, Chicago, Ill.
Hersh Bros. Co., 645 H Mill, Allentown, Pa.
Kelker Blower Co. Inc., 2383 Fillmore av, Buffalo, N. Y.
See adv index at end of book
Leiman Bros., 60 Lispenard, New York
Massachusetts Blower Co., Watertown, Mass.
Piqua Blower Co. ("Piqua"), Piqua, Ohio
Reid J. A. Co., Inc. (The), 1500 Miami Chapel, Dayton, Ohio
Rockwell W. S. Co., 50 Church, New York
See adv index at end of book
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.
Wilbraham-Green Blower Co. ("Green"), Pottstown, Pa.

Blowers (Soot)

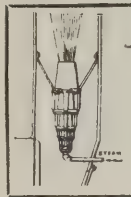
See Cleaners, Boiler Flue & Tube; Soot Blowers & Suckers

948— Blowers (Steam Jet)

Allen & Billmyre Co., Inc., Grand Central Palace, New York
See adv index at end of book
Am. Steam Conveyor Corp., 326 W Madison, Chicago, Ill.
BEGGS JAMES & CO., 30 Warren, New York *See adv index at end of book*
Henderson Drying Equipment Co., 283 Holland, Syracuse, N. Y.
See adv index at end of book
Kelker Blower Co., 2383 Fillmore av, Buffalo, N. Y.
See adv index at end of book
McClave Brooks Co. ("McClave" & "Argand"), Scranton, Pa.
Parson Mfg. Co., 535 Livingston, Nassau, New York
Rollins Supply Co., 17 W Kinzie, Chicago, Ill

IF YOU DON'T FIND IT IN
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SCHUTTE & KOERTING CO. (Steam Jet Blowers & Exhausters), 1251 N 12th, **Phila., Pa.** *See adv index at end of book*



Steam Jet Blowers without casing. For creating induced draft in stacks, ducts, etc. Steam operated. Large capacity; no moving parts. *Catalog 4-B.*

SCHUTTE & KOERTING CO.
1251 North 12th Street
Philadelphia, Pa.

Scranton Pump Co. ("Union"), Scranton, Pa.
Star Drilling Machine Co., Akron, O.
Thacher Propeller & Foundry Corp., Albany, N. Y.

949—Blowers (Turbine Driven)

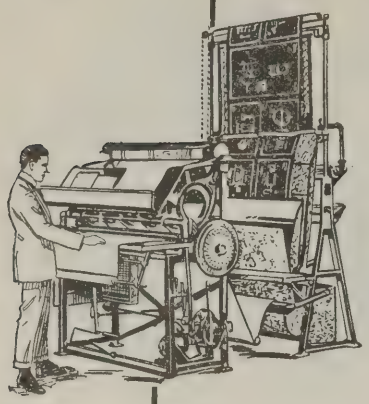
American Blower Co., 6004 Russell, Detroit, Mich.
Buckeye Blower Co., 425 W. Town, Columbus, O. *See adv index at end of book*
Coppus Engineering & Equipment Co., 344 Park, Worcester, Mass.
De Laval Steam Turbine Co., East Trenton, N. J.
See adv index at end of book
Kelker Blower Co. Inc., 2383 Fillmore av, Buffalo, N. Y.
See adv index at end of book
Kerr Turbine Co., Wellsville, N. Y.
Nute McGehee Geary Co., H, Broad, Chambersburg, Pa.
Sturtevant B. F. Co. ("Sturtevant"), 15H Damon, Hyde Park, Mass.
Ridgway Dynamo & Engine Co., Ridgway, Pa.
Wing L. J. Mfg. Co. ("Wing"), 352 W 13th, New York

950— Blowers (Turbo)

Allen & Billmyre Co., Inc., Grand Central Palace, New York
See adv index at end of book
Connecticut Blower Co., Inc., 133 Sheldon, Hartford, Conn.
Coppus Engineering & Equipment Co. ("Coppus"), 344 Park, Worcester, Mass.
INGERSOLL-RAND CO., 11 B'way, New York *See adv index at end of book*
Kelker Blower Co. Inc., 2383 Fillmore av, Buffalo, N. Y.
See adv index at end of book
Kerr Turbine Co., Wellsville, N. Y.
Moore Steam Turbine Corp., Dept. H, Wellsville, N. Y.
Power Turbo Blower Co., 350 Madison av, New York
Ridgway Dynamo & Engine Co., Ridgway, Pa.
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book
Spencer Turbine Cleaner Co., 484 New Park av, Hartford, Conn.
Sturtevant B. F. Co. ("Sturtevant" Undergrate), 15 Damon, Hyde Park, Boston, Mass.

951—Blowers (Vacuum Cleaning)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Allen & Billmyre Co., Inc., Grand Central Palace, New York
See adv index at end of book
Beach-Russ Co., 38 Church, New York
See adv index at end of book
CROWELL MFG. CO. ("Crowell"), 321 Franklin av, Brooklyn, N. Y.
See adv index at end of book
Kelker Blower Co., 2383 Fillmore av, Buffalo, N. Y.
See adv index at end of book



Blue Printing Machines

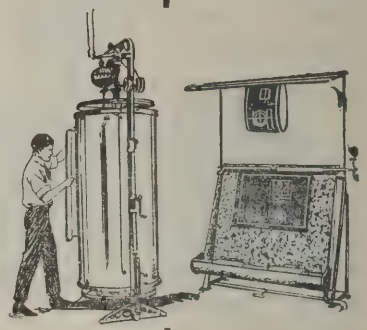
The Pease Peerless

Automatic and Continuous Blue Printing Equipment turns out prints at one-quarter the cost of ANY other blue printing machine where independent methods of washing and drying are used. Over 1,600 satisfied users—prints, washes and dries in one operation—no wrinkled or distorted prints. Printer can be purchased separately if desired.

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Blue Printing Machine and Sheet Washer form an economical method of turning out a steady supply of blue prints whenever you want them. Patented cylindrical oil control, self-adjusting curtain, positive contact and Universal Arc Lamp printing on either direct or alternating current, are special features. Ask for special pamphlet describing the Pease Sheet Dryer (not illustrated).

WRITE FOR CATALOG M-20



THE C. F. PEASE COMPANY

820 N. Franklin St. Chicago, Ill.

Blue Printing Machinery—Drafting Room Supplies.

952—Blowers & Exhausters (Electric)

Allen & Billmyre Co., Inc. (Motor, turbine and belt driven units), Grand Central Palace, New York
See adv index at end of book
Allen Engineering & Mfg. Co., Savannah, Ga.
American Blower Co., 6004 Russell, Detroit, Mich.
Archer Blower & Pipe Co., 8th av S. & Edmonds, Seattle, Wash.
Autovent Fan & Blower Co. ("Uniblade" Pulley Driven Blower), 736 W. Monroe, Chicago, Ill.
BAKER EDW. J. & CO., 608 Otis bldg, Chicago, Ill.
Buckeye Blower Co., 425 W. Town, Columbus, O. *See adv index at end of book*
Buffalo Forge Co. (Pulley Drive), 490 Broadway, Buffalo, N. Y.
Coppus Engineering & Equipment Co., 344 Park, Worcester, Mass.
CROWELL MFG. CO. ("Crowell"), 319-321 Franklin av, Brooklyn, N. Y.
See adv index at end of book
ELECTRIC BLOWER CO. ("Marvel" Electric), 350 Atlantic av, Boston, Mass.
Green Fuel Economizer Co., Beacon, N. Y.
Hersh Bros. Co., 645 H Mill, Allentown, Pa.
Jeffrey Mfg. Co., 961 Fourth, Columbus, O.
See adv index at end of book
Kelker Blower Inc., 2383 Fillmore av, Buffalo, N. Y.
See adv index at end of book
Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cincinnati, O.
Massachusetts Blower Co., Watertown, Mass.
Master Fan Corp., 1327 Channing, Los Angeles, Cal.
Mechanical Appliance Co., Milwaukee, Wis.
National Blow Pipe & Mfg. Co., 738 Dryades, New Orleans, La.
N. Y. Blower Co., Archer av & Canal, Chicago, Ill.
Northern Blower Co. (The), Denison & W 65th, Cleveland, Ohio
See adv index at end of book
Rockwell W. S. Co., 50 Church, New York
See adv index at end of book
Skinner Bros. Mfg. Co., Vandeventer & Boyle, St. Louis, Mo.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
United Blower Co., Inc., 1267 Folsom, San Francisco, Cal.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa
See adv index at end of book

952a—Blowpipes (Welding, Cutting & Brazing, Oxy-Acetylene)

OXWELD ACETYLENE CO., 30 E 42nd, New York
See adv index at end of book

952b— Blue (Chinese)

Fergusson, Alex C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book

952c— Blue (Cobalt)

Fergusson, Alex. C. Jr., 474 Chesnut, Phila., Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Philipp Bros., Inc., 233 Broadway, New York
Waldo E. M. & F., 11 B'way, New York

952d— Blue (Milori)

Fergusson, Alex. C. Jr., 474 Chesnut, Phila., Pa. *See adv index at end of book*

953— Blue Powder

Drakenfeld B. F. & Co., 50 Murray, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
NEW JERSEY ZINC SALES COMPANY, THE, 158 Front st, New York
See adv index at end of book
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book

954—Blue Print Cars & Frames

Dietzgen Eugene Co., 166 W Monroe, Chicago, Ill.
Fritz Mfg. Co. (Frames), Grand Rapids, Mich.
Keuffel & Esser Co. (Frames), Hoboken N. J.
Weber F. Co., 1220 Buttonwood, Philadelphia, Pa.

Blue Print Cases

See Blue Print Filing Cabinets

955—Blue Print Coating Machines

Pease C. F. Co. (Sanitizing), 820 N Franklin, Chicago, Ill.
See adv index at end of book
Williams, Brown & Earle, 918 Chestnut, Phila., Pa.

956 7-8—Blue Print Filing Cabinets

All-Steel-Equipt. Co., Aurora, Ill.
See adv index at end of book
American Drafting Furniture Co. ("American"), 129 Mill, Rochester, N. Y.
Aurora Steel Products Co., 3rd, Aurora, Ill.
Cleveland Wire Spring Co. (Steel), 1281 E. 38th, Cleveland, O.
Darby Ed & Sons Co., 1918 Germantown av, Phila., Pa.
Dexter Metal Mfg. Co. (Steel), 93 Arch, Camden, N. J.
Dietzgen Eugene Co., 166 W Monroe, Chicago, Ill.
Economy Drawing Table & Mfg. Co., Adrien, Mich.
Edwards O. M. Co., Inc., ("Edwards" Steel), Syracuse, N. Y.
Elliott B. K. Co. (Steel or Wood), 126 6th, Pittsburgh, Pa.
Fritz Mfg. Co. (Frames), Grand Rapids, Mich.
General Fireproofing Co. (The) ("G-F Allsted"), 2308 Logan av, Youngstown, O.
See adv index at end of book
Hamilton Mfg. Co. (Wood & Metal), Two Rivers, Wis.
Keuffel & Esser Co., Hoboken, N. J
Lyon Metallic Mfg. Co. ("Lyon" Steel) Aurora, Ill.
Pease C. F. Co., 820 N Franklin, Chicago, Ill
See adv index at end of book
Rowe Henry Mfg. Co., Newaygo, Mich.
Sharlow Bros. Co. (also Moving Picture Reel), 442 W 42nd, New York
Weber, F., Co., 1220 Buttonwood, Phila., Pa.
Williams, Brown & Earle, 918 Chestnut, Phila., Pa.
Yawman & Erbe Mfg. Co., Rochester, N. Y.

Blue Print Frames

See Blue Print Cars & Frames

959—Blue Print Trimming Tables

Pease C. F. Co. (Hand or Power), 820 N Franklin, Chicago, Ill.
See adv index at end of book

960-1—Blue Print Washing & Drying Machines

Paragon Machine Co. ("Paragon"), Rochester, N. Y.
PEASE C. F. CO. (Single Sheet & Continuous Automatic), 820 N Franklin, Chicago, Ill. *See adv index at end of book*
Post Frederick Co. ("Simplex"), 319 S Wabash av, Chicago, Ill.
Williams, Brown & Earle ("Franklin"), 916 Chestnut, Phila., Pa.

Blue Printing

See Blue & Black Prints & Papers

962—Blue Printing Machines

Buckeye Engine Co. ("Buckeye" Electric), Salem, O.
Buffalo Blue Print Co. ("Universal"), Andreas bldg, Buffalo, N. Y.
Dietzgen Eugene Co., 166 W Monroe, Chicago, Ill.
Elliott B. K. Co., 126 6th, Pittsburgh, Pa.
Keuffel & Esser Co. (Continuous), Hoboken, N. J.
Paragon Machine Co. ("Paragon"), Rochester, N. Y.
PEASE, C. F., CO. (Vertical & "Peerless" Continuous Automatic), 820 N Franklin, Chicago, Ill.
See adv index at end of book
Post Fred'k Co. ("Simplex" Electric, Continuous Blue Print Machine), 3635 Clark, Chicago, Ill.
Revolute Machine Co. ("Everett-McAdam" Continuous Electric), 417 E 93d, New York
Shaw Blue Print Machine Co., Campbell, Newark, N. J.
U. S. Blue Print Paper Co., 327 S La Salle, Chicago, Ill.
WICKES BROS., Saginaw, Mich.
See adv index at end of book
Williams, Brown & Earle ("Aurora" & "Express"), 916 Chestnut, Phila., Pa.

962a—Blue Printing Requisites

See also Specific Headings
Pease C. F. Co., 820 N Franklin, Chicago, Ill.
See adv index at end of book

962b— Blue (Prussian)

Chrome Color Works, Matawan, N. J.
Fergusson Alex C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Kohnstamm H. & Co., 89 Park pl, New York
Metals Extraction Corp., 5501 Boyle av. Huntington Park, Los Angeles, Cal.
Waldo Co. M. & F. (selling agents), 11 Broadway, New York

962c— Blue (Soluble)

Dicks David & Co., Inc., 44 Watts, New York
Fergusson Alex C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Metals Extraction Corp., 5501 Boyle av, Huntington Park, Los Angeles, Cal.

Blue Vitriol

See Chemicals, Battery, with the words Blue Vitriol following their names
See also Copper Sulphate

Blue & Black Printing

See Blue & Black Prints & Papers

963—Blue & Black Prints & Papers

Acme Blue Print Paper Co., Adams Express bldg, Chicago, Ill.
Aloe A. S. Co., 513 Olive, St. Louis, Mo.
American Blue Print Co., 30 E 42d, New York

AMERICAN BLUE PRINT PAPER CO., 445 Plymouth ct, Chicago, Ill.
Amsler Louis H., 50 Church, New York
Barclay D. & Sons, 1515 Sansom, Phila., Pa.
Beatty Fred W., 39 Ann, New York
Birmingham Blue Print Co. (Blue Prints), Birmingham, Ala.
Blue Print Co., 101 Park av, New York
Brown L. L. Paper Co. (Linen Ledger), Adams, Mass.
Buffalo Blue Print Co., Andreas bldg, Buffalo, N. Y.
Cardwell Blue Print & Supply Co., Quincy, Denver, Colo.
Cole H. Co., 68 E Gay, Columbus, O.
Concourse Blue Print Co., 344 Madison av, New York
Crofoot Nielsen & Co., 172 W Washington, Chicago, Ill.
Defiance Mfg. Co., 384-6 Broadway, New York
Dietrich-Post Co. ("Diepo"), 75 New Montgomery, San Francisco, Cal.
Dietzgen Eugene Co., 166 W Monroe, Chicago, Ill.
Electric Blue Print Co., 355 Minn., St. Paul, Minn.
Electro Sun Co., Inc. (Brown), 161 Washington, New York
Elliott B. K. Co. (Blue Print & Brown Print Papers & Cloth), 126 6th, Pittsburgh, Pa.
Frey Louis & Co. ("Bertsch" Imported), 68 William, New York
Frost & Adams Co., 25 Arch, Boston, Mass.
Hewlett Geo. B., 32 Front, New York
Huey & Co., 175 Wabash, Chicago, Ill.
Indianapolis Blue Print & Supply Co., Century bldg, Indianapolis, Ind.
Keuffel & Esser Co., Hoboken, N. J.
Keystone Blue Paper Co., 910 Filbert, Phila., Pa.
Kolesch & Co., 138 Fulton, New York
Ledder & Probst, 21 Pearl, Boston, Mass.
McNair Alex. & Co., 5 N. La Salle, Chicago, Ill.
Makepeace B. L., 387 Washington, Boston, Mass.
Multi-Color Copying Co., 629 Woodward av, Detroit, Mich.
National Blue Print Co., 110 W 32nd, New York
New York Blue Print Paper Co. ("Gold Seal," "Superior" also Brown), 96-102 Reade, New York
New York Multi-Color Copying Co., 22 Thames, New York
Pease C. F. Co., 820 N Franklin, Chicago, Ill.
See adv index at end of book
Peerless Blue Print Co., 341 5th av, New York
Post Frederick Co. ("Post's," "Commercial," "Primo," "Standard," "Primo-Sepia-Solar," "Corona"), 319 S Wabash av, Chicago, Ill.
Providence Electric Blue Printing Co., 86 Weybosset, Providence, R. I.
Queen City Blue Print Co., 124 Government pl, Cincinnati, O.
Revolute Mach. Co., 417 E 93d, New York
Rexim Co. (Blacklined Reproduction Process), 908 Chestnut, Phila., Pa.
Rogers & Co., 531 Marquette av, Minneapolis, Minn.
St. Louis Blue Print & Supply Co., 708 Pine, St. Louis, Mo.
Shaw Blue Print Machine Co., 11 Campbell, Newark, N. J.
Shays J. R., 100 Greenwich, New York
Smith G. W. & Co., Inc., 49th & Botanic, Phila., Pa.
Spaulding Moss Co., 42 Franklin, Boston, Mass.
Stevenson & Foster Co. (Dirs), 947 Liberty av, Pittsburgh, Pa.
Taws Henry M., 920 Arch, Phila., Pa.
U. S. Blue Print Paper Co., 201 S. Wabash av, Chicago, Ill.
Weber, F., Co., 1220 Buttonwood, Phila., Pa.
Weil J. H. & Co., 5212 Webster, Phila., Pa.
Western Blue Print Co., Gumbel bldg, Kansas City, Mo.
Williams, Brown & Earle ("Aurora"), 916 Chestnut, Phila., Pa.
Winter, Martin, 216 W 18th, New York

963a— Bluing (Laundry)

Banner Mfg. Co., 1343H Adelaide, Detroit, Mich.
Bluine Mfg. Co., Dept. H, Concord, Mass.
Chamberlain & Johnson, 1233 Voskamp, Pittsburgh, Pa.
Cooper & Cooper, Inc., 23 Cliff, New York
Diamond, McConnell & Co. ("Kuttyhunk"), 409H N 4th, Phila., Pa.
Fischer, C. H., & Co. (Ball & Block), 1061 63rd, Brooklyn, N. Y.
Ford Luther & Co., 260H 1st av, Minneapolis, Minn.
Indigo Blueing Co., 2604 18th, San Francisco, Cal.
Kohnstamm H. & Co., 93 Park pl, New York
Reckitts (U. S. A.), Ltd., 90H W B'way, New York
Standard Ultramarine Co., Huntington, W. Va.
Ultramarine Co., Potter bldg, New Yorrk
Waldo E. M. & F., 11 B'way, New York
Whittaker, Clark & Daniels, Inc., 250 Front, New York

963b—Boards (Asbestos Panel)

Asbestos Shingle Slate & Sheathing Co., Ambler, Pa.
Buffalo Forge Co., 490 B'way, Buffalo, N. Y.

964— Boards (Binders')

See also Box Board Mfrs.

Albey Bros., 149 Meeker av, Newark, N. J.
American Straw Board Co., B'way & 42d, New York
Boehme & Rauch Co., Monroe, Mich.
Brookside Paper Co., S Manchester, Conn.
Case & Risley Press Paper Co., Oneco, Conn.
Davey E. H. Co., Bloomfield, N. J.
Davey W. O. & Sons, 169 Laidlaw av, Jersey City, N. J.
Fandango Mills, Millburn, N. J.
Foulds William Co., Manchester, Conn.
Haverhill Box Board Co., Haverhill, Mass.
HEWITT C. B. & BROS., 20 Ferry, New York. *See adv index at end of book*
Ingalls & Co. (Mill), Castleton, N. Y.
Kerr Paper Mill Co., E Downington, Pa.
La Bolteaux C. L. Co., 1714 1st Nat'l Bk. bldg, Cincinnati, O.
Mission Paper Board Mill, 3074 17th, San Francisco, Cal.
Monroe Binder Board Co., Monroe, Mich.
Muir James A., Morristown, N. J.
Nashua Spool & Bobbin Co., Haverhill Nat'l Bk. bldg, Haverhill, Mass.
Naubuc Paper Co., Glastonbury, Conn.
Norton C. H., N Westchester, Conn.
Otter River Board Co., Otter River, Mass
Palmer Willis B., Doe Run, Pa.
Perkiomen Paper Co., Pennsburg, Pa.
Riverside Paper Mfg. Co., The, Glastonbury, Conn.
Seeley Paper Mills Co., Scotch Plains, N. J.
South Coventry Paper Co., South Coventry, Conn.
United Paperboard Co., 171 Madison av, New York
Westport Paper Co., Westport, Conn.

965—Boards (Bread, Pastry, Etc.)

Albion Wood & Metal Products Co., Inc., Albion, N. Y.
Biddeford Variety Mfg. Co., Biddeford, Me.
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Cassady Fairbanks Mfg. Co., 6126 S La Salle, Chicago, Ill.
Clark J. R. Co., 2nd av N & Aldrich av, Minneapolis, Minn.
Empire Co., North Girard, Pa.
Estes E. B. & Sons (Bread), 364 5th av, New York. *See adv index at end of book*
Horst Bros., 139 N. 6th, Phila., Pa.
Imperial Mfg. Co. ("Ideal," "American"), Cambridge, Ohio
Queen Mfg. Co. ("Queen"), 1647 N Winchester, Chicago, Ill.
Specialty Mfg. Co., Titusville, Pa.
Stiles H. A. & Co. (Also Noodle), 166-174 Portland, Boston, Mass.
See adv index at end of book
Stokes Wm. A. & Co., 50 Howard, New York
Teepe, J. Chas., Inc., Mott & Vernon aves, Long Island City, N. Y.
Union Mfg. Co., Cambridge, O.

966— Boards (Builders)

See also Wall Boards

Boehme & Rauch Co., Monroe, Mich.
Ingalls & Co. (Mill), Castleton, N. Y.
Mac-Sim-Bar Paper Co., Otsego, Mich.
Monroe Binder Board Co., Monroe, Mich.
United Paperboard Co., 171 Madison av., New York
UPSON CO., Lockport, N. Y.
See adv index at end of book

Boards (Bulletin)

See Bulletin Boards

967— Boards (Cake)

Biddeford Variety Mfg. Co., Biddeford, Me.
Davis Mfg. Co. ("Yankee"), Clinton, Maine
Estes E. B. & Sons, 364 Fifth av, New York
See adv index at end of book

968— Boards (Clip & File)

American Mfg. Concern (With or Without Fixtures), Falconer, N. Y.
Grammes, L. F., & Sons ("Double Action" "Keystone"), 311 Union, Allentown, Pa. *See adv index at end of book*

969— Boards (Cloth)

Bridge's A. D. Sons, Hazardville, Conn.
Case Bros., Highland Park, Conn.
Chaffee Bros. Co., Oxford, Mass.
Darling C. P. Co., 415 Charles, Providence, R. I.
HEWITT C. B. & BROS., 20 Ferry, New York. *See adv index at end of book*
Lawrence Lumber Co., Lawrence, Mass.
Nashua Spool & Bobbin Co. (Wood & Pulp), Haverhill National Bank bldg, Haverhill, Mass.
Pingree D. W. Co., Lawrence, Mass.
Providence Box & Lumber Co., 1102 Cranston, Providence, R. I.
Thompson Jas. A., Lowell, Mass.

969a— Boards (Counter)

WEST VA. PULP & PAPER CO. (Pulp Products Dept.), 200 Fifth av, New York
See adv index at end of book

USE
WEST VIRGINIA FIBRE BOARD
FOR
COUNTERS and INNERSOLES
PULP PRODUCTS DEPARTMENT
WEST VIRGINIA
PULP & PAPER COMPANY
200 Fifth Avenue
NEW YORK, N. Y.
505 Dime Bank Bldg. DETROIT, MICH. 732 Sherman St. CHICAGO, ILL.

970— Boards (Cutting)

Am. Dry Plate Co., 75 Mill, Worcester, Mass.
Davey W. O. & Sons, 169 Laidlaw av, Jersey City, N. J.
Irish Bros. Co., Buckfield, Me.
New York Wood Working Corp., 502 E 19th, New York
Seelye Mfg. Co., 49 High, Boston, Mass.
Stiles, H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book
Tolhurst Machine Works (For Shirt, Neckwear, Corset & Collar Factories, etc), Troy, N. Y.

971— Boards (Drawing)

Acme Blue Print Paper Co., Adams Express bldg, Chicago, Ill.
Defiance Mfg. Co., 384-6 B'way, New York
Economy Drawing Table & Mfg. Co., Adrian, Mich.
Keuffel & Esser Co., Hoboken, N. J.
Rowe Henry Mfg. Co., Newaygo, Mich.
Weber F. Co., 1220 Buttonwood, Philadelphia, Pa.
Welch W. M. Scientific Co., 1516 Orleans, Chicago, Ill.

972— Boards (Fibre)

Continental Fibre Co. ("Bakelite-Dilecto"), Newark, Del.
Davey W. O. & Sons, 169 Laidlaw av, Jersey City, N. J.
Delaware Hard Fibre Co., Wilmington, Del. *See adv index at end of book*
Diamond State Fibre Co., Dept. 37, Bridgeport, Pa.
See adv index at end of book
Endicott-Johnson & Co., Endicott, N. Y.
Ft. Wayne Corrugated Paper Co., Hartford, Ind.
Gair Robert Co., 350H Madison av, New York
HEWITT C. B. & BROS., 20 Ferry, New York. *See adv index at end of book*
Hinde & Dauch Paper Co. (The), 253 Water, Sandusky, Ohio
See adv index at end of book
National Paper Products Co., 528 Battery, San Francisco, Calif.
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
Pantasote Co. ("Homasote," "Vehisote," & "Agasote"), 11 B'way, New York
Pierce F. H., 52 Pierce, Hyde Park, Mass
River Raisin Paper Co., Monroe, Mich.
Rockford Paper Box Board Co., Rockford, Ill.
Rogers Fibre Co. (Spool & Form), 121 Beach, Boston, Mass.
See adv index at end of book
Seneca Fibre Products Co., Falls, Seneca Falls, N. Y.
SPAULDING FIBRE COMPANY, INC., North Rochester, N. H.
See adv index at end of book
Stowe J. D. & Sons, Scitico, Conn.
United Paperboard Co., 171 Madison av New York
UPSON CO., Lockport, N. Y.
See adv index at end of book
Wasuc Mills Co., South Glastonbury, Conn.

(Continued on following page)

When writing to firms listed in this book please mention
HENDRICKS'
COMMERCIAL REGISTER

Boards (Fibre)—Continued

WEST VA. PAPER & PULP CO. (Pulp Products Dept.), 200 Fifth av, New York
See adv index at end of book

USE

WEST VIRGINIA FIBRE BOARD

FOR

Automobile Panels	Frictions
Box Straps	Shipping Protectors
Buttons	Sample Cases
Cutting Blocks	Shoe Counters
Electrical Insulation	Shoe Innersoles
Film Case Lining	Toys

PULP PRODUCTS DEPARTMENT

WEST VIRGINIA PULP & PAPER COMPANY

200 Fifth Avenue
NEW YORK, N. Y.

505 Dime Bank Bldg. DETROIT, MICH. 732 Sherman St. CHICAGO, ILL.

973— Boards (Friction)

Davey E. H. Co., Bloomfield, N. J.
Davey W. O. & Sons, 169 Laidlaw av, Jersey City, N. J.
Graham Paper Co. (Paper), 11th & Spruce, St. Louis, Mo.
HEWITT C. B. & BROS., 20 Ferry, New York. *See adv index at end of book*

C. B. HEWITT & BROS., Inc.

20 FERRY ST. NEW YORK

Manufacturers, Importers and Dealers

Boards Binders Boards, Trunk and Case Boards, Friction Boards, Leather Boards, Fibre Boards, News and Press Boards, Box Boards, Straw Boards (Air and Steam Dried). A. B. C. Pattern Boards a specialty.

Paper Pattern Papers, Detail and Tracing Papers, Flexible Papers, Backing Paper, Card Middles, Jute and Rope Manilas, Building Papers, Wrapping, Book, Bonds, Writing, Ledger. Special Papers made to order.

Glue Foreign and Domestic Hide and Bone Glues, Sheet, Broken and Ground for Cabinet and Piano Work (joint and veneer), Paper Making, Straw Hat and Fabric and Kalsomine Sizing, Bindery, Furniture and Box Makers' Glues.

Gelatine Capsule Manufacturers, Pharmaceutical Preparation Makers, Confectioners, Jelly and Preserve Manufacturers, etc.

Ingalls & Co. (Mill), Castleton, N. Y.
Leo James Co., 251 Varick, Jersey City, N. J.
Rogers Fibre Co., 121 Beach, Boston, Mass.
See adv index at end of book
Seeley Paper Mills Co., Scotch Plains, N. J.
Spaulding Fibre Company, Inc., North Rochester, N. H.
See adv index at end of book
Stratford Geo. Oakum Co., Cornelison av, Jersey City, N. J.
WEST VA. PAPER & PULP CO. (Pulp Products Dept.), 200 Fifth av, New York
See adv index at end of book

USE

WEST VIRGINIA FIBRE BOARD

FOR

FRICTIONS

PULP PRODUCTS DEPARTMENT

WEST VIRGINIA PULP & PAPER COMPANY

200 Fifth Avenue
NEW YORK, N. Y.

505 Dime Bank Bldg. DETROIT, MICH. 732 Sherman St. CHICAGO, ILL.

973a— Boards (Game)

Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
See adv index at end of book
Bradley Milton & Co. (Chess), 74 Park, Springfield, Mass.
Carrom Co. ("Carrom," "Crokinole"), Ludington, Mich.
Estes E. B. & Sons (Wooden), 364 5th av, New York *See adv index at end of book*
Horn W. C. Bros. & Co. (Chess), 200 5th av, New York

974— *Boards (Gauge)

AMERICAN SCHAEFFER & BUDENBERG CORP. (Marble, Slate, Hardwood), Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book
DUNHAM C. A. CO., 230 E Ohio, Chicago, Ill.
See adv index at end of book

975— Boards (Glass Cutting)

Garbush, A. O., & Sons Co., Stillwater, Minn.
Lufkin Rule Co., Saginaw, Mich.

976— Boards (Hanger)

Brady Electric Mfg. Co. (Arc Lamp), New Britain, Conn.
Fort Wayne Electric Works of General Electric Co., Fort Wayne, Ind.
GENERAL ELECTRIC CO. (Arc Lamp), Schenectady, N. Y.
See adv index at end of book
Lundin Electric & Machine Co. ("Arc Lamp" with absolute cut-out), 10 Thatcher, Boston, Mass.

Boards (Hosiery)

See Hosiery Boards

977—Boards (Insulating Press)

Case Bros. Inc., Highland Park, Conn.
Concealo Fixture Co. ("Concealo"), 1349 E. 12th, Oakland, Cal.
HEWITT C. B. & BROS., 20 Ferry, New York. *See adv index at end of book*
Manning John A. Paper Co., Troy, N. Y.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book
WEST VA. PULP & PAPER CO. (Pulp Products Dept.), 200 5th av, New York
See adv index at end of book

978— Boards (Ironing)

Acme Mfg. Co. ("Acme," Plain & Shirt & Sleeve), 1806 East, Pittsburgh, Pa.
Albion Wood & Metal Products Co., Inc. (also Skirt & Sleeve), Albion, N. Y.
American Mfg. Co., 5810 S Normandie, Los Angeles, Cal.
Austell Swing & Ladder Co., Austell, Ga.
Brook Novelty Co., Brook, Ind.
Bryant Mfg. Co., Springfield, O.
Built-In Fixture Co. ("Peerless" Built-In), 2608 San Pablo av, Berkeley, Cal.
Cardington Cabinet Co., Cardington, O.
Chicago Curtain Stretcher Co., 3725 Wall, Chicago, Ill.
Chicago Dryer Co. ("Chicago"), 2210 N Crawford av, Chicago, Ill.
Christman A. G. Co. ("Royal"), Reading, Pa.
Clark J. R. & Co. 2nd av N & Aldrich av, Minneapolis, Minn.
Cupples Samuel Woodenware Co., 7th & Spruce, St. Louis, Mo.
Davis John B. (Plain & Shirt), Clinton, Me.
Davis Mfg. Co. ("Yankee"), Clinton, Me.
Dexter Ironing Board Co., 1115 13th av, Oakland, Cal.
Dillingham Mfg. Co. (Folding), Sheboygan, Wis.
Duncan D. D. & Co., E. 58th at Central av, Los Angeles, Cal.
Economy Wall Fixture Co., 4274 S Main, Los Angeles, Cal.
Eisenmann S. J. ("Avon"), 487 Broadway, New York
Fisher Adam Mfg. Co. (Step Ladder Combination), 3624 Enright, St. Louis, Mo. Mo.
Forsyth Wm. & Sons Co., West Lynn, Mass.
Horst Bros., 139 N. 6th, Phila., Pa.
Ideal Mfg. Co., 6823 Santa Monica blvd, Los Angeles, Cal.
Illinois Specialty Co. ("Perfection"), Tuscola, Ill.
Los Angeles Ladder Co., 1630 Central av, Los Angeles, Cal.
M. & M. Woodworking Co. ("Sturdy"), 800 Multinomha, Portland, Ore.
Milford Mfg. Co. ("Perfection," Reversible Sleeve & Bosom & Collapsible Sleeve), Mansfield, O.
Modern Mfg. Co., Hagerstown, Md.
Moulton C. W. H. Co., Somerville, Mass.
Mueller H. G. Mfg. Co., Sheboygan, Wis.
Murphy Door Bed Co. ("Murphy" Cabinet), 22 W Monroe, Chicago, Ill.
National Mill & Lumber Co., 320 Market, San Francisco, Cal.
Pratt & Warner, 1635 Staunton av, Los Angeles, Cal.
Queen Mfg. Co. ("Queen"), 1647 N Winchester, Chicago, Ill.
Rogers Paper Mfg. Co., So. Manchester, Conn.
Southern California Ladder Co., 142 E. 58th, Los Angeles, Cal.
Specialty Mfg. Co., Titusville, Pa.
Steinfeld Bros. ("Steinfeld," also Shirt), 116 W 32nd, New York
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book
Stokes Wm. A. & Co., 50 Howard, New York
Teepe, J. Chas., Inc., Mott & Vernon [illegible], Long Island City, N. Y.
Theriot Fred J. ("Perfection"), 51[illegible] Moneta av, Los Angeles, Cal.
Tucker & Dorsey Mfg. Co. ("Tee-Dee"), S State & Bates, Indianapolis, Ind.
Tyrone Ironing Board Co. ("McKinney," Reversible Sleeve & Bosom), Tyrone, Pa.
Udell Works ("Udell"), Indianapolis, Ind.
Uphus, A. J., & Co. ("Artkraft"), 2315 Western av, Seattle, Wash.
West Coast Specialty Co., Fitzpatrick bldg, Portland, Ore.
Young Bros. Co., 2 Brooks, Worcester, Mass.

979— Boards (Jute)

See also Box Board Mfrs

Auglaize Box Board Co., St. Marys, O.
Fort Wayne Corrugated Paper Co., Hartford City, Ind.
Franklin Board & Paper Co., Franklin, O.
Gardner-Harvey Paper Co. (Plain or Oak Grain), Middletown, O.
Harvey Paper Co., Wellsburg, W. Va.
La Boiteaux, C. L. Co., 1st Nat'l Bk. bldg, Cincinnati, O.
Lewis J. P. Co., Beaver Falls, N. Y.
Mac-Sim-Bar Paper Co., Otsego, Mich.
National Paper Products Co. (Test Liner), 528 Battery, San Francisco, Cal.
Ohio Box Board Co., 1390 E 30th, Cleveland, O.
Paraffin Co.'s, Inc., 475 Brannan, San Francisco, Cal.
Richardson Paper Co., Wyoming & Cooper av, Lockland, O.
Rockford Paper Box Board Co., Rockford, Ill.
United Paper Board Co., 171 Madison av, New York

980— Boards (Leather)

Case Board Co., Andover, Conn.
Cushman & Rankin Co., Bath, N. H.
Davis Paper Co., Contoocook, N. H.
Endicott-Johnson & Co., Endicott, N. Y.
Foulds Wm. Co., Manchester, Conn.
Gulf Paper Mills Co., Crichton, Ala.
HEWITT C. B. & BROS., 20 Ferry, New York. *See adv index at end of book*
Ingalls & Co. (Mill), Castleton, N. Y.
Jenkins Geo. O. Co. (Heeling), Bridgewater, Mass.
Kerr Paper Mill Co., East Downington, Pa.
Lancaster Leather Co., Lancaster, O.
Milton Leather Board Co., Milton, N. H.
Montville Paper Co., Montville, Conn.
Muir James A., Morristown, N. J.
Naubuc Paper Co., Glastonbury, Conn.
Nichols N. J. Co., South Coventry, Conn.
Passumpsic Fibre Leather Co., Passumpsic, Vt.
Robertson Paper Co., Montville, Conn.
Rogers Fibre Co., 121 Beach, Boston, Mass.
See adv index at end of book
Rogers Paper Mfg. Co., So Manchester, Conn.
Sherman & Co., Belfast, Me.
Tolland Leather Board Co., Hope River, Conn.

981— Boards (Mat)

Case A. William Co., Manchester, Conn.
Chicago Mat Board Co., 664 Washington blvd, Chicago, Ill.
National Card Mat & Board Co., 4318 Carroll, Chicago, Ill.
South Coventry Paper Co., South Coventry, Conn.
Spaulding Fibre Company, Inc., North Rochester, N. H.
See adv index at end of book
Stowe J. D. & Sons, Scitico, Conn.
Weber F. Co., 1220 Buttonwood, Philadelphia, Pa.
Westport Paper Co., Westport, Conn.

982— Boards (News)

Central Metal Products Co. ("C. M. P."), Canton, Ohio
Gair Robert Co., 350H Madison av, New York
HEWITT C. B. & BROS., 20 Ferry, New York. *See adv index at end of book*
Gulf Paper Mills Co., Crichton, Ala.
McEwan Bros., Whippany, N. J.
Montville Paper Co., Montville, Conn.
Robertson Paper Co., Montville, Conn.
Westport Paper Co., Westport, Conn.

Boards (Panel, Etc.)

See Switchboards, Light & Power

983— Boards (Pattern)

See also Boards, Binders'; also Lumber, Templet
Boehme & Rauch Co. (Paper Board), Monroe, Mich.

Davey W. O. & Sons, 169 Laidlaw av, Jersey City, N. J.
HEWITT C. B. & BROS. ("A. B. C."), 20 Ferry, New York
See adv index at end of book
Monroe Binder Board Co., Monroe, Mich.
Stiles, H. A., & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book
West Virginia Lumber Co., First National Bank bldg, Pittsburgh, Pa.

983a— Boards (Peg)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

984—Boards (Printers' Engraving)

Setter Bros. Co., Cattaraugus, N. Y.

984a— Boards (Punch)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Pull-Rak Co., 111 New Montgomery, San Francisco, Cal.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

985—Boards (Shoveling & End Gate)

Anderson Co. ("Grain King"), 2324 University av, St. Paul, Minn.
Bristol & Gale Co. ("Lakeside"), 158 Carroll av, Chicago, Ill.
Clippinger A. B. & Son Mfg. Co. ("A. B. C."), Kansas City, Kan.
Cooper A. A. Wagon & Buggy Co., Dubuque, Ia.
Dain Mfg. Co., Ottumwa, Ia.
Dectaur Mfg. Co., Decatur, Ill.
Ernsdorff John Iron Co., Dubuque, Ia.
Fleming & Sons Mfg. Co., Huntsville, Mo.
Hayes Pump & Planter Co. ("B. B.," "Boss," "Perkins," "Ruby"), Galva, Ill.
Hunt, Helm Ferris & Co. ("Star"), Harvard, Ill.
Klondike Incubator Co. ("Wilde"), Des Moines, Ia.
Knapheide Henry Wagon Co. ("Korn King"), Quincy, Ill.
Litchfield Mfg. Co. ("Grain King"), Waterloo, Ia.
Mandt Wagon Co., Stoughton, Wis.
Nagley Mfg. Co. ("The Sampson"), Lyons, N. Y.
Peoria Drill & Seeder Co. ("Big Four," "Great Northern," "H. & A." "It's a Corker," "Luthe," "Midland," "O-K," "Valley City"), Peoria, Ill.
Standard Mfg. Co., Council Bluffs, Ia.
Stoughton Wagon Co., Stoughton, Wis.
Sturgis W. B. & Sons ("New Western"), Shelbyville, Ill.
True Mfg. Co. ("New Western"), Eaton Rapids, Mich.
Turnbull Motor Truck & Wagon Co., Defiance, O.

986— Boards (Sounding)

Breckwoldt J. & Co., Dolgeville, N. Y.
Posey Mfg. Co., Hoquiam, Wash.

986a— *Boards (Starch)

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
New England Box Co., 104 E 42nd, New York *See adv index at end of book*

987— Boards (Stencil)

BRADLEY A. J. MFG. CO., 101 Beekman, New York
California Binding Co. ("Vigoret"), 272 Sutter, San Francisco, Cal.
DIAGRAPH STENCIL MACHINE CORP. (Oiled), 1615 S Kingshighway, St. Louis, Mo.
See adv index at end of book
Ideal Stencil Machine Co. (Oiled), 42 Ideal block, Belleville, Ill.
MARSH STENCIL MACHINE CO. (Oiled), Belleville, Ill.
See adv index at end of book
Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa.
See adv index at end of book
UNION PAPER TWINE CO., 128 St. Clair av N. W., Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book
United Paperboard Co. (Unoiled), 171 Madison av, New York
Weber F. Co., 1220 Buttonwood, Philadelphia, Pa.

Boards (Straw)

See Straw Board Mfrs.

988— Boards (Tar)

Davey W. O. & Sons, 169 Laidlaw av, Jersey City, N. J.
HEWITT C. B. & BROS., 20 Ferry, New York. *See adv index at end of book*

Boards (Templet)

See Boards, Pattern; also Lumber, Templet

989— Boards (Trunk)

Albey Bros., 149 Meeker av, Newark, N. J.
Davey W. O. & Sons, 169 Laidlaw av, Jersey City, N. J.
HEWITT C. B. & BROS., 20 Ferry, New York. *See adv index at end of book*
Norton C. H., North Westchester, Conn.
Perkiomen Paper Co., Pennsburg, Pa.
Rogers Fibre Co., 121 Beach, Boston, Mass.
Westport Paper Co., Westport, Conn.

989a— Boat Boards

Juniper Lumber Co., Inc. (White Cedar or Flitch Sawn), Ivanhoe, N. Car.
West Virginia Lumber Co., First National Bank bldg, Pittsburgh, Pa.

990— Boats (Cat)

American Boat Co., Detroit, Mich.
Crosby D. & Son, Osterville, Mass.
Crosby Wilton, Osterville, Mass.

Boats (Collapsible)

See Boats & Rafts, Life

991— Boats (Combustion)

Elmer & Amend, 205 E 18th, New York
Ohio Pottery Co. (Porcelain), Zanesville, O.

992— Boats (Folding)

Acme Folding Boat Co., Miamisburg, O.
King Folding Canvas Boat Co., Kalamazoo, Mich.

993— Boats (Knocked-Down)

Brooks Mfg. Co., Saginaw, Mich.
Neumeister Fred P. & Co., Rockford, Ill.
Niagara Motor Boat Co., North Tonawanda, N. Y.
Pioneer Boat & Pattern Co., Bay City, Mich.
Racine Boat Co., Racine, Wis.
St. Louis Boat & Engine Co., St. Louis, Mo.

993a— Boats (Row)

Atlantic Boat Co. (Dories, Skiffs, etc.), Amesbury, Mass.
Barbour Boat & Pattern Co., Valley Park, Mo.
Cape Cod Shipbuilding Co. (Dories), Wareham, Mass.
Davy W. H. & Son Co. (Racing Shells), Cambridge, Mass.
Keenan Thos. R. (Racing Shells), 249 Jefferson, San Francisco, Cal.
Mullins Body Corp. (Steel), Salem, Mass.
Star Tank Co., Goshen, Ind.
Toppan Boat Mfg. Co. (Dories), 87 Washington N., Boston, Mass.
Watson Boat & Novelty Works ("Kant-Sink-Em" Steel), 2019 N. Division, Spokane, Wash.

994— Boats (Steel)

See also Motor Boat, Launch & Yacht Builders
American Balsa Co., Inc., 50 E 42d, New York
Barbour Boat & Pattern Co., Valley Park, Mo.
Dravo Contracting Co., 1100 Diamond Bank bldg, Pittsburgh, Pa.
Dubuque Boat & Boiler Works, Dubuque, Ia.
Midland Barge Co. (Derrick & Wharf), Dept. H, Midland, Pa.
Mullins Body Corp. (Launches, etc.), 3414 Franklin, Salem, Ohio
Nashville Bridge Co., Nashville, Tenn.
Newburgh Shipyards Inc., Newburgh, N. Y.
New York Shipbuilding Co., Camden, N. J.
Pioneer Mfg. Co. (Galvanized), Middlebury, Ind.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Racine Boat Co., Racine, Wis.
Rippley Mfg. & Steel Boat Co., Grafton, Ill.
Star Tank Co. (Row & Fishing Galv. Steel), Goshen, Ind.
Watson Boat & Novelty Works ("Kant-Sink-Em"), 2019 N. Division, Spokane, Wash.

995— Boats (Stone)

Belcher & Taylor Agricultural Tool Co. (& Fronts), Chicopee Falls, Mass.
Dickinson Rack Co., Stockbridge, Mich.
Dutton E. Q. & Co. (& Fronts), Cato, N. Y.
Eddy W. Plow Co. (& Fronts), Greenwich, N. Y.
Patterson Mfg. Co., Holly, Mich.

996— Boats (Tow or Tug)

American Tug Boat Co., Everette, Wash.
Atlantic Works, 80 Border, East Boston, Mass.
Barbour Boat & Pattern Co., Valley Park, Mo.
Bethlehem Shipbuilding Corporation Ltd., Bethlehem, Pa.
Cowles Shipyard Co., 81 St. Clair, Buffalo, N. Y.
Dravo Contracting Co., 1100 Diamond Bk. bldg, Pittsburgh, Pa.
Johnson Iron Works, Dry Dock & Ship Bldg. Co., Inc., Morgan & Sequin, New Orleans, La.
Lake Erie Drydock & Mill Co., Sandusky, O.
Leathen & Smith Towing & Wrecking Co., Sturgeon Bay, Wis.
Nashville Bridge Co., Nashville, Tenn.
Newburgh Shipyards Inc. (Steel Only), Dept. H, Newburgh, N. Y.
Noecker & Ake Shipbuilding Co., Camden, N. J.
Portland Co. (Also Trawlers), Portland, Me.
Pusey & Jones Co., Wilmington, Del.
Racine Boat Co., Racine, Wis.
Rees James & Sons Co., 18 4th, Pittsburgh, Pa.
Swanson's Launch & Boat Works, Foot of 19th av, Oakland, Cal.
Twigg John & Sons, 694 Illinois, San Francisco, Cal.

997-8-9—Boats & Rafts (Life)

American Balsa Co., Inc. (Metallic Self-Baling & Self-Righting; also "A. B. C." Balsa Rafts), 152d & Exeter, New York
American Ship Building Co., Ft. of W 54th, Cleveland, O.
Astoria Boat Wks & Marine Equipment Co., Inc., Astoria, L. I., N. Y.
Barbour Boat & Pattern Co., Valley Park, Mo.
Detroit Shipbuilding Co. ("Kirby" Metallic "Clark's" Metallic), Brass Dept, ft. Orleans, Detroit, Mich.
Drein Thos. & Son Co. (Metallic), A, Wilmington, Del.
Galbraith C. C. Son, 117H West, New York
Kahnweiler's David Sons (Metallic & Wooden), 20 Dover, New York
Kneass Geo. W., 18th & Illinois, San Francisco, Cal.
Lane C. M. Life Boat Co. (Metallic & Wooden; also "Englehardt" Collapsible), 250 Huron, Brooklyn, N. Y.
Mobile Steel Co. (Metal), Mobile, Ala.
New York Shipbuilding Co., Camden, N. J.
Pacific Boat Co., Foot of Derby, Oakland, Cal.
Pusey & Jones, Poplar, Wilmington, Del.
Racine Boat Co. (Metallic), Racine, Wis.
Self Bailing Life Boat Co., 912 Western av, Seattle, Wash.
Steward Davit & Equipment Corp., 17 Battery pl, New York
Steward Davit & Equipment Corp., 17 Battery pl, New York
Twigg John & Sons, 694 Illinois, San Francisco, Cal.

Bobbins and Parts

See Textile Machinery

1000—Bodies (Commercial, Automomobile, Metal)

Abresch Chas. Co., 393 4th, Milwaukee, Wis.
American Auto Trimming Co., Taft av, Cleveland, Ohio
American Ice Co., Centr bldg, Phila., Pa.
Am. Truck Body Co. Inc., Dept. H, Martensville, Va.
Ames F. A. Co. ("Amesbilt" for Fords), Owensboro, Ky.
Auglaize Hoist & Body Co., Dept. H, New Bremen, Ohio
Archer Iron Works (Steel), 2436 W 34th pl, Chicago, Ill.
Armstrong M. Co., 433 Chapel, New Haven, Conn.
Auto Body Co., Lansing, Mich.
Baker R. & S. Co. ("Raulang" Aluminum Panel), 2180 W 25th, Cleveland, Ohio
Barney & Smith Car Co., Dayton, Ohio
Bay City Iron Works, 1215 Harrison, San Francisco, Cal.
Bruder Lawrence, 211 W. 2nd, Cincinnati, Ohio
Budd Edward G. Mfg. Co. (Pressed Steel), 25th & Hunting Park av, Phila., Pa.
Coast Engine & Machine Works, E Water & Taylor, Portland, Ore.
Collins R. N. Vehicle Woodwork Co., 3900 Chouteau av, St. Louis, Mo.
Columbian Steel Tank Co., 1601 W 12th, Kansas City, Mo.
Commercial Auto Body Co. ("Commercial"), 5401 N. Bulwer av, St. Louis, Mo.
Crown Motor Carriage Co., Inc., 2500 McPherson, Los Angeles, Cal.
Dodge, S. P., Co., Manchester, N. H.
Fitzgibbon & Crisp, Trenton, N. J.
Gibbes Machy. Co., Columbia, S. C.
Hannibal Truck Body Co., Dept. H, Hannibal, Mo.
Hayes Mfg. Co., 480 Maybury, Detroit, Mich.
Heil Co. ("Quality" Steel Hoisting, Elevating & Dumping), 1270-1300 26th av, Milwaukee, Wis.
Hercules Trailer Mfg. Co. ("Hercules"), 1327 Santa Fe av, Los Angeles, Cal.
Holan James Mfg. Co., 3809 Clark av, Cleveland, O.
Hoover Body Co., Wheatfield & M. & P. RR., York, Pa.
Hoover Wagon Co., Dept H, York, Pa.
Hughes-Keenan Co. (Pressed Steel), Dept. H, Mansfield, O.

(Continued on following page)

Bodies (Commercial, Automobile, Metal)—Continued

Hummel Mfg. Co., 3014 La Salle, St. Louis, Mo.
Hydraulic Hoist Mfg. Co., 292 Walnut, St. Paul, Minn.
Hydro-Hoist Co. (Steel Dump), 26th & Montana avs, Milwaukee, Wis.
Interstate Bridge Forge Mfg. Co. (Steel Truck Bodies), 721 Broad, Newark, N. J.
Jensen & Nelson, 1165 67th, Oakland, Cal.
Ketler-Elliott Co. ("Ketoco" Steel), 31st & California, Chicago, Ill.
Lally Commercial Body Co., Everett, Mass.
Lee Trailer & Body Co. ("Lee" Sectional & Industrial, steel end & side dumping), 2343 S La Salle, Chicago, Ill.
Littleford Bros. (Steel), 444 E. Pearl, Cincinnati, Ohio
See adv index at end of book
Mansfield Steel Corp., 288 E Milwaukee av, Detroit, Mich.
Meister A. & Sons Co., Woodland, Cal.
Metropolitan Body Co., 434 Grand, Bridgeport, Conn.
Mifflinburg Body Co., Mifflinburg, Pa.
Miller A. J. & Co., Bellefontaine, O.
Moore Edwin A., Reading, Pa.
Motor Body Corp., 1116 Post, San Francisco, Cal.
Mullins Body Corp. (Special Designs), Dept. H, Salem, Ohio
Mullins W. H. Co., 341 Franklin, Salem, O.
Ohio Body & Blower Co., 9300 Detroit av, Cleveland, Ohio
Pacific Motor Bodies Co., 1410 Santa Fe av, Los Angeles, Cal.
Pettis W. W. Co., 416 1st Natl Bank bldg, Cincinnati, O.
Pirsch Peter & Sons Co. ("Pirsch" Fire), Kenosha, Wis.
Providence Body Co., 128 Narragansett av, Providence, R. I.
Reo Motor Car Co. ("Reo"), Lansing, Mich.
Rodenhausen's Excelsior Wagon Works, 9th & Jefferson, Phila., Pa.
Schubert August Wagon Co., Oneida, N. Y.
Sidney Mfg. Co., Sidney, O.
South Bend Spring Wagon & Carriage Co., South Bend, Ind.
Standard Auto Body Works, 1501 Central, Los Angeles, Cal.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Stover Steel Tank Co., Freeport, Ill.
Universal Body Corp., E 7th & Main, Portland, Ore.
Van Dorn Iron Works Co. (The) (Truck Bodies), 2700 E 79th, Cleveland, Ohio
See adv index at end of book
Wadsworth Mfg. Co., 155 W Congress, Detroit, Mich.
Welbilt Auto-Body Co., 1420 S Los Angeles, Los Angeles, Cal.
Woonsocket Wagon Mfg. Co., Woonsocket, R. I.
York Carriage Co., York, Pa.

1001—Bodies (Commercial, Automobile, Wood)

Abresch Chas. Co., 398 4th, Milwaukee, Wis.
American Auto Trimming Co., Taft av, Cleveland, Ohio
American Body Co., 1200 Niagara, Buffalo, N. Y.
American Body Co., 2715H Commerce, Dallas, Texas
Ames Body Corp., Owensboro, Ky.
Armstrong-Johnston Mfg. Co. (Auto Truck Bodies), Columbus, O.
Armstrong M. Co., 433 Chapel, New Haven, Conn.
Auto Body Co., Lansing, Mich.
Babcock H. H. Co., Watertown, N. Y
Badger Auto Body Co., 209 Hanover, Milwaukee, Wis.
Barnett Auto Body Co., 425 Golden Gate, San Francisco, Calif.
Barney & Smith Car Co., Dayton, Ohio
Brill J. G. Co., 62d & Woodland, Phila., Pa.
Brownell & Burt, Taunton, Mass.
Bus Body Corp., 1510 N Galvin, Evansville, Ind.
Cottage Grove Mfg. Co. (For Fords), 3912 Langley av, Chicago
Columbia Wagon Co., Columbia, Pa.
Crown Motor Carriage Co., Inc., 2500 McPherson, Los Angeles, Cal.
Currier-Cameron Co., 85 Elm, Amesbury, Mass.
Dann Bros. & Co., New Haven, Conn.
Eagle Wagon Wks., Dept. H, Auburn, N. Y.
EASTON CAR & CONSTRUCTION CO., 36 Holley, Easton, Pa.
See adv index at end of book
Fitzgibbon & Crisp, Trenton, N. J.
Frazier W. S. & Co., Aurora, Ill.
Globe Body Co., Fostoria, Ohio
Hanger C. F. Co., 2406 E. 71st, Cleveland, Ohio
Hercules Trailer Mfg. Co. ("Hercules"), 1327 Santa Fe av, Los Angeles, Cal.
Highland Body Mfg. Co. (Bodies & Seats for Motor Trucks), Center Hill av, & C. H. & D. R. R., Elmwood, Cincinnati, O.
Holan James Mfg. Co., 3809 Clark av, Cleveland, O.
Hoover Body Co., Wheatfield & M. & P. RR., York, Pa.
Hoover Wagon Co., Dept. H, York, Pa.
Jennings Automatic Dump Body, Inc., Roanoke, Va.
Jensen & Nelsen, 1165 67th, Oakland, Cal.
Keen, W. B., & Son, Malden, Mass.
Kramer Wagon Co. ("Kramer"), Oil City, Pa.
Lally Commercial Body Co., Everett, Mass.
Lantz W. R. Mfg. & Supply Co. (Truck), Muskogee, Okla.
Lee Loader & Body Co., 2343 S La Salle, Chicago, Ill.
Martin-Parry Corp., York, Pa.
Meister A. & Sons Co., Woodland, Cal.
Milburn Wagon Co., Toledo, O.
Motor Body Corp., 1116 Post, San Francisco, Cal.
Mulholland Co., Dunkirk, N. Y.
New Haven Carriage Co., New Haven, Conn.
Niederhut Carriage Co., 3560 Walnut, Denver, Colo.
Pacific Motor Bodies Co., 1410 Santa Fe av, Los Angeles, Cal.
Pettis W. W. Co., 416 1st Natl Bank bldg, Cincinnati, O.
Press Jacob Sons, 501 W 33rd, Chicago, Ill.
Rech-Marbaker Co., Dept. H, 8th & Girard av, Phila., Pa.
Reo Motor Car Co. ("Reo"), Lansing, Mich.
Sargent & Ham Co., 28 Scolia, Boston, Mass.
Schubert August Wagon Co. Inc., 1H Warner, Oneida, N. Y.
Schukraft Wm. & Sons, 941 Fulton, Chicago, Ill.
Simplex Mfg. Co., Conneautville, Pa.
Springfield Commercial Body Co., 385 Liberty, Springfield, Mass.
Standard Auto Body Works, 1501 Central av, Los Angeles, Cal.
Sullivan Motor Truck Corp., 1703H East av, Rochester, N. Y.
Syska Bros., 46 Bergen, Brooklyn, N. Y.
Tegetmeier & Riepe Co., 771 1st av, New York
Truck Engineering Co., B'way & E 71st, Cleveland, O.
Universal Body Corp., E 7th & Main, Portland, Ore.
Weber Auto & Trailer Works, 1505 Santa Fe av, Los Angeles, Cal.
Welbilt Auto-Body Co., 1420 S Los Angeles, Los Angeles, Cal.
West Coast Steel Co., 1948 Pacific av, Tacoma, Wash.
Yankee Motor Bodies Corp., 1224 E 9th, Los Angeles, Cal.
York Carriage Co., York, Pa.

1001a—Bodies (Dumping, Automobile)

Abresch Chas. Co., 398 4th, Milwaukee, Wis.
American Motor Body Co., 18th & Leigh av, Phila., Pa.
Am. Truck Body Co. Inc., Dept H, Martinsville, Va.
Arcadia Trailer Co. ("Arcadia"), Newark, N. Y.
Archer Iron Wks. ("Archer"), 2436 W. 34th pl, Chicago, Ill.
Auglaize Hoist & Body Co., Dept. H, New Bremen, Ohio
Bacon, Edw. R., Co. (Dirs.), Folsom at 17th, San Francisco, Cal.
Biddle & Smart Co., Amesbury, Mass.
Blue Ribbon Body Co., Bridgeport, Conn.
Boyle Mfg. Co., 51st & Santa Fe av, Los Angeles, Cal.
Briggs Body Co., Amesbury, Mass.
Bruder Lawrence, 211 W. 2nd, Cincinnati, Ohio
Budd Edward G. Mfg. Co., 25th & Hunting Park av, Phila., Pa.
Coast Engine & Machine Works ("Coast" horizontal hoist), E Madison & Water, Portland, Ore.
Coast Iron & Machine Wks., 1117 Dock, Tacoma, Wash.
Columbian Steel Tank Co., 1601 W. 12th, Kansas City, Mo.
Currier, Cameron Co., Amesbury, Mass.
Dutwiler Mfg. Co., 2437 E 23rd, Los Angeles, Cal.
Eagle Wagon Works, Auburn, N. Y.
Farnham & Nelson Co., Jamaica pl, Boston, Mass.
Fisher Body Corp., Oakland & Piquette, Detroit, Mich.
Fitzgibbon & Crisp, Inc., Calhoun & Dunham, Trenton, N. J.
Fleetwood Metal Body Co., Fleetwood, Pa.
Hanger C. F. Co., 2406 E. 71st, Cleveland, Ohio
Hayes-Ionia Co., Ionia, Mich.
Hayes Mfg. Co., 4525 Maybury, Detroit, Mich.
Heil Co. ("Quality" & Steel), 1270-1300 26th av, Milwaukee, Wis.
Hercules Trailer Mfg. Co. ("Hercules"), 1327 Santa Fe av, Los Angeles, Cal.
Hollander & Morrill, Amesbury, Mass.
Hummel Mfg. Co., 3014 La Salle, Mo.
Hydraulic Hoist Mfg. Co., 292 Walnut, St. Paul, Minn.
Hydro Hoist Co. (Steel), 26th & Montana avs, Milwaukee, Wis.
Jennings Automatic Dump Body Inc., Roanoke, Va.
Judkins J. B. Co. (Closed), Merrimac, Mass.
Ketler-Elliott Co. ("Keotoco" Steel), 31st & California, Chicago, Ill.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
See adv index at end of book
Kimball C. P. & Co., 3900 S Michigan av, Chicago, Ill.
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Lally Commercial Body Co, Everett, Mass.
Lang Body Co., 3088 W 106th, Cleveland, Ohio
Lee Trailer & Body Co. ("Lee" Sectional & Industrial Steel End & Side Dumping), 2343 S. La Salle, Chicago, Ill.
Littleford Bros., 444 E Pearl, Cincinnati, O.
See adv index at end of book
MacDonald W. W. Co., 5th & Harrison, San Francisco, Cal.
Mahannah & Alford, 215 Spear, San Francisco, Cal.
Mandt Co. ("Mandt" automatic), Keokuk, Ia.
Meister A. & Sons Co., Sacramento, Cal.
Metropolitan Body Co., 434 Grand, Bridgeport, Conn.
Miller A. J. & Co., Bellefontaine, Ohio
Moore Edwin A., Reading, Pa.
New Haven Carriage Co., New Haven, Conn.
Niagara Auto Radiator Co., 151 W 68th, New York
Press, Jacob, Sons, 501 W 33rd, Chicago, Ill.
Providence Body Co., 128 Narragansett av, Providence, R. I.
Racine Mfg. Co., Racine, Wis.
Rodenhausen's Excelsior Wagon Works, 9th & Jefferson, Phila., Pa.
Simplex Mfg. Co., Conneautville, Pa.
Sterling Top & Equipment Co., 518 W 57th, New York
Stewart W. F. Co., Flint, Mich.
Troy Wagon Works, Troy, Ohio
Union City Body Co., Union City, Ind.
Van Dorn Iron Works Co. (The), 2700 E. 79th, Cleveland, Ohio
See adv index at end of book
Walker Wells Co., Amesbury, Mass.
Willoughby Co., Utica, N. Y.
Wilson C. R. Body Co., Clay av & D. G. H. & M. R. R., Detroit, Mich.
Wood Hydraulic Hoist & Body Co., 4196 Belleville, Detroit, Mich.
Woonsocket Wagon Mfg. Co., Woonsocket, R. I.

1001b—Bodies (Passenger, Automobile, Metal)

A-1 Auto Sheet Metal Wks., 3701 Moneta av, Los Angeles, Cal.
Abresch Chas. C., 399 4th, Milwaukee, Wis.
American Body Co., 1200 Niagara, Buffalo, N. Y.
Ames Body Corp., Owensboro, Ky.
Auto Body Co., Lansing, Mich.
Auto Remodeling Co., 1505 S Michigan av, Chicago, Ill.
Automotive Body Co. ("A. B. C." for Fords & Chevrolets), 40 N Wells, Chicago, Ill.
Babcock H. H. Co., Dept H, Watertown, N. Y.
Blue Ribbon Body Co., 1720 Fairfield av, Bridgeport, Conn.
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Bridgeport Body Co., Bridgeport, Conn.
Browneil & Burt, Taunton, Mass.
Caluminum Co., The ("Duralyte"), 1312 S San Pedro, Los Angeles, Cal.
Coast Engine & Machine Works, E Water & Tylor, Portland, Ore.
Columbia Wagon Co., Columbia, Pa.
Crown Motor Carriage Co. Inc. (Busses), 2500 McPherson, Los Angeles, Cal.
Currier-Cameron Co., Amesbury, Mass.
Erdman Gluder Co., 10226 Woodward, Detroit, Mich.
Fischer-Gaffney Body Co., 10th & Howard, San Francisco, Cal.
Fisher Body Corp., Oakland & Piquette, Detroit, Mich.
Gobel Konrad, 325 21st, Oakland, Cal.
Haskelite Mfg. Co., 120 Broadway, New York
Hollander & Morrill, Amesbury, Mass.
Hoover Wagon Co., Dept H, York, Pa.
Kimball C. P. & Co., 3900 S Michigan av, Chicago, Ill.
Kuehne L. F. Co., 2605 Archer av, Chicago, Ill.
Liberty Auto Co., 1750 E. 12th, Oakland, Cal.
Limousine Carriage Mfg. Co., 3515 S Michigan av, Chicago, Ill.
LITTLEFORD BROS., 444 E. Pearl, Cincinnati, O. *See adv index at end of book*
Meister A. & Sons Co., Woodland, Cal.
Milburn Wagon Co., Toledo, Ohio
Modern Auto Body Works, 2309 S. Sheridan, Tacoma, Wash.
Motor Body Corp., 1116 Post, San Francisco, Cal.
Mulholland Co., Dunkirk, N. Y.
Murphy Walter M. Co., 55 N Vernon, Pasadena, Cal.
New Star Auto Metal Works ("New Star"), 1615 S Michigan av, Chicago, Ill.
Norrington Wm. ("Auto Home"), Fell & Gough, San Francisco, Cal.
Ohio Body & Blower Co., 9205 Detroit av, Cleveland, Ohio
Pacific Motor Bodies Co., 1410 Santa Fe av, Los Angeles, Cal.
Robbins Body Corp., 1148 Division, Indianapolis, Ind.
Schubert August Wagon Co. Inc., 1H Warner, Oneida, N. Y.
Seaman Body Corp., 1732H Richards, Milwaukee, Wis.
Union City Body Co., Union City, Ind.
kee, Wis.
Willoughby Co., Utica, N. Y.
Wilson C. R. Body Co., Clay av & D. G. H. & M. R. R., Detroit, Mich.

1001c— Bodies (Passenger, Automobile, Wood)

Bungalow Cabinet Works, 5054 S. Puget Sound, Tacoma, Wash.
Erdman Guider Co., Saginaw, Mich.
Haskelite Mfg. Corp., Chamber of Commerce bldg, Chicago, Ill.
Kuehne L. F. Co., 2605 Archer av, Chicago, Ill.
Meister A & Sons Co., Woodland, Cal.
Modern Auto Body Works, 2309 S. Sheridan, Tacoma, Wash.
Murphy Walter M Co., 55 N Vernon, Pasadena, Cal.
Norrington Wm. ("Auto Home"), Fell & Gough, San Francisco, Cal.
Pacific Motor Bodies Co., 1410 Santa Fe av, Los Angeles, Cal.
Robbins Body Corp., 1148 Division, Indianapolis, Ind.
Schubert August Wagon Co. Inc., 1H Warner, Oneida, N. Y.
Wallis Coach & Carriage Co., 333 University av S. E., Minneapolis, Minn.

1002—Bodies & Seats (Carriage & Wagon)

Am. Wagon Co. (Bodies), 1007 Lincoln, Dixon, Ill.
American Ice Co. (Wagon), Centr. bldg, Phila., Pa.
Ames Body Corp., Owensboro, Ky.
Babcock H. H. Co., Dept. H, Watertown, N. Y.
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Central Mfg. Co., Connersville, Ind.
Clark J. L. Mfg. Co., Oshkosh, Wis.
Coopersburg Bending Works, Coopersburg, Pa.
Dann Bros. & Co., New Haven, Conn.
Eureka Co., Rock Falls, Ill.
Excelsior Seat Co. (Buggy Seats), Fifth av & River rd, Columbus, O.
Fitch Gear Co., Rome, N. Y.
Geneva Wagon Co., Middle, Geneva, N. Y.
Gresham Mfg. Co., Griffin, Ga.
Haberer & Co., Gest & Summer, Cincinnati, O.
Highland Body Mfg. Co., Center Hill av & C., H. & D. R. R., Elmwood, Cincinnati, O.
Holt Bros. Mfg. Co., Concord, N. H.
Koven L. O. & Bro., Inc. (steel), 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Leitch James N. Co., Amesbury, Mass.
Lowell Cutter Co., Lowell, Mich.
Mifflinburg Body & Gear Co., Mifflinburg, Pa.
New I. D. Seat Co., Rohrerstown, Pa.
Ohio Seat Co. (Seats), 1964 Central av, Cincinnati, O.
Perkins Isaiah W., Lynn, Mass.
Prouty & Glass Carriage Co., Wayne, Mich.
Rech-Marbaker Co., Dept. H, 8th & Girard av, Phila., Pa.
Truck Engineering Co., B'way & E 71st, Cleveland, O.
Union City Body Co., Union City, Ind.
Willoughby Co., Utica, N. Y.
Wright Carriage Body Co., Moline, Ill.
York Wagon Gear Co., York, Pa.

Boiler Arches

See Brick, Boiler Arch & Setting

1003— Boiler Brace Mfrs.

Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
Castle A. M. & Co., 1132 Blackhawk, Chicago, Ill.
Lukens Steel Co., Coatesville, Pa.
Ryerson, Jos. T., & Son, Inc. ("McGregor"), 2558 W 16th, Chicago, Ill.
See adv index at end of book

BOILER FITTINGS

Braces, Hangers, Lugs, Tubes, Staybolts, Manholes, Crabs, Ferrules, Dished and Flanged Heads, Rivets, etc.

Send for Special Products Booklet Giving Complete Information

JOSEPH T. RYERSON & SON INC.

Chicago, St. Louis, Cincinnati, Detroit, Buffalo, New York

Scully Steel & Iron Co. (Weldless), 2364 S Ashland av, Chicago, Ill.
Ulster Iron Works, Dover, N. J.

1003a—Boiler Casings (Steel)

Connery & Co., Inc., 4000 N 2nd, Phila., Pa.
See adv index at end of book

Muskegon Boiler Works, Clay av & 8th, Muskegon, Mich.
Walsh & Weidener Boiler Co., Chattanooga, Tenn.

Boiler Cleaners

See Cleaners, Boiler Flue & Tube

Boiler Compound

Individual treatment for each water, furnished in convenient 1-pound balls.

Paige & Jones Chemical Co.
Incorporated

80 Marble St. HAMMOND, IND.
248 Fulton St. NEW YORK

1004-5— Boiler Compounds

Albion Mfg. Co., Seattle, Wash.
American German Boiler Compound Co., 58 W. Washington, Chicago, Ill.
Am. Steam Packing Co. ("American"), 516 Atlantic av, Boston, Mass.
Arrow Boiler Compound Co. ("Arrow"), Commonwealth Trust bldg, St. Louis, Mo.
Belden A. G. & Co. ("Chrome"), 29 Burling slip, New York
Beltine Chemical & Mfg. Co., 6155 Wentworth av, Chicago, Ill.
Binghamton Boiler Compound Co. ("Pyramid"), Binghamton, N. Y.
Bird-Archer Co. ("Bird-Archer"), 33 Rector, New York
Black Bear Co., 138 Temple, Long Island City, N. Y.
Brewer & Co. ("Perfection"), 35 Arctic, Worcester, Mass.
British-American Chemical Co. ("Brisam"), Paterson, N. J.
Buckeye Chemical Co., 1351 Porter, Detroit, Mich.
Chemical Supply Co., 724 S San Pedro, Los Angeles, Cal.
Cherry Chemical Co. ("Red Seal"), 1018 Callowhill, Phila., Pa.
Chesterton A. W. Co. ("Challenge," "Vulite"), 64 India, Boston, Mass.
Chipman Chemical Engng. Co., Inc. ("Atlas E"), 136 Liberty, New York
Cleveland Flue Cleaner Mfg. Co. ("Skayl-Deth Chemical"), 5318 St. Clair av, Cleveland, O.
Corol Co., 2116 Indiana, Chicago, Ill.
Crescent Oil & Supply Co., 303 N Levee, St. Louis, Mo.
Croscup I. O., 24 California, San Francisco, Cal.
Crown Mfg. Co., Engineers bldg, Cleveland, Ohio
Curry Bros. Oil Co., 252 Franklin, Boston, Mass.
Dearborn Chemical Company ("Dearborn"), 310 S Michigan av, Chicago, Ill.
Dehls & Stein, Inc., 239 South Newark, N. J.
Dixon Jos. Crucible Co. (Graphite), Monmouth, Jersey City, N. J.
Doermann-Roehrer Co. ("Do Ro"), 318 E 3rd, Cincinnati, Ohio
Duryea Mfg. Co. ("Solvol"), Bayonne, N. J.
Economy Boiler Compound Co., Fuller bldg, New York
Economy Lubricating Co. ("Economy"), Dorrance & Temple, Charlestown, 29, Boston, Mass.
Fergusson Alex C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Gallaway G. W. ("Heichstadter's"), 52 Ferry, New York
Garratt Callahan Co. ("Magic" Preservatives), 146 Spear, San Francisco, Cal.
Globe Boiler Compound Co. ("Case"), Binghamton, N. Y.
Grasselli Chemical Co. (Tri-Sodium Phosphate), Guardian bldg, Cleveland, O.
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Great Falls Chemical Co., Appleton, Wis.
Great Lakes Chemical Wks., Appleton, Wis.
Great Western Oil Co., 2846 E 37th, Cleveland, O.
Griffiths A. J. & Son, 3526 Gtn. av, Phila., Pa.
Halsall Geo., Jamestown, N. Y.
Harris A. W. Oil Co., 326 S Water, Providence, R. I.
Hawk-Eye Compound Co., Blue Island, Ill.
Hayner Norman C. Co., Rochester, N. Y.
Ideal Chemical Co., Indianapolis, Ind.
Illinois Boiler Cleaning Compound Co. ("Illinois"), 659 Irving Pk. blvd, Chicago, Ill.
Indianapolis Chemical Co. ("Acme," "Star"), 1444 Madison av, Indianapolis, Ind.
International Boiler Cleaning Co. ("Scaline"), 343 N Calvert, Baltimore, Md.
International Boiler Compound Co., 2729 Quinn, Chicago, Ill.
International Ship Fittings & Supply Corp., 212-214 Fulton, Brooklyn, N. Y.
Ironsides Co. ("Ironsides" Scale Solvent Shield), Columbus, O.
Johnson Compound & Supply Co., Rochester, N. Y.
Keasbey & Mattison Co., Ambler, Pa.
Kelly Graphite Mills ("Kelco" Boiler Graphite), 355 W 26th, New York
Kentucky Consumers' Oil Co., Louisville, Ky.
Lake Erie Mfg. Co. ("Red Star"), 198 Chicago, Buffalo, N. Y.
Lang Chemical Co., 307 Grant River av, Detroit, Mich.
Lord Geo. W. Co., 3309 Old York rd, Phila., Pa.
Lubricating Metal Co., 976 Newark av, Jersey City, N. J.
Lux L. A. Co., 2187 E 2d, Cleveland, O.
Lynch-Clarisey Co., 3211 S Wood, Chicago, Ill.
Marvel Compound Co. ("Marvel"), 218 E Randolph, Huntington Park, Cal.
Metaline Chemical Co., 839 Society for Savings bldg, Cleveland, O.
Metiskin Co., Inc. ("Metiskin", 61 Elizabeth, Rochester, N. Y.
Miami Boiler Compound Co., 505 Elm, Cincinnati, O.
Minnesota Boiler Compound Co., 248 Fairfield av, St. Paul, Minn.
Modoc Co., Fernwood, Pa.
Mueller Boiler Compound Co., 2018 Dupont av, Minneapolis, Minn.
National Mill Supply Co. ("Star"), Fort Wayne, Ind.
Nickum D. L., 403 S. Alvardo, Los Angeles, Cal.
Northern Insulating Co. ("Defy Seale"), St. Paul, Minn.
Nuhring Chas. & Bro. (Alternating), 1212 Walnut, Cincinnati, O.
Octo Co., The ("Octo"), Mehlhorn bldg, Seattle, Wash.
O'Neil Oil & Paint Co. ("O'Neils"), 297 E Water, Milwaukee, Wis.
PAIGE & JONES CHEMICAL CO. ("Paige-Jones"), 80 Marble, Hammond, Ind.
See adv index at end of book

LOCOMOTIVE FEED WATER
Treated at
The WAYSIDE TANK
Paige & Jones Chemical Co.
Incorporated
80 Marble St. HAMMOND, IND.
248 Fulton St. NEW YORK

Parsons J. H. Chemical Co. ("A. B. C." Alkali), 140 N Dearborn, Chicago, Ill.
Patapsco Oil & Grease Co. ("Perfection"), 109 Cheapside, Baltimore, Md.
Perolin Co. of America ("Perolin"), 1112 W 37th, Chicago, Ill.
PICKTHALL SUPPLY CO., 321 Fremont, San Francisco, Cal.
Preservaline Mfg. Co., 854 Lorimer, Brooklyn, N. Y.
Read Edward B., 212 9th, San Francisco, Cal.
Reed & Duecker, 171 N Main, Memphis, Tenn.
Reliance Oil & Grease Co., 50 South, New York
Rhoads Irwin G., 57 N 2nd, Phila., Pa.
Riebe Soap & Chemical Wks., 801 Roy, Seattle, Wash.
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortland, New York
See adv index at end of book
Schalk Chemical Co. ("Aqua Pura"), 351 E. 2nd, Los Angeles, Cal.
Schilling Frederick (Paramount), 617 Greenwich, New York
Scientific Boiler Chemical Works ("Konkerall"), 127 N. Dearborn, Chicago, Ill.
Scribner Boiler Compound Co., 315 N Wood, Chicago, Ill.
Shawmut Chemical Co., 148 Pearl, Boston, Mass.
Smith E. A. Hamilton, Ohio
Standard Chemical Corp. ("Protecto"), Kalamazoo, Mich.
Star Oil Co. ("Acme"), 343 N Irving av, Chicago, Ill.
State Mfg. Co. ("Metla Cota"), 3545 E 76th, Cleveland, O.
Sterling Equipment & Supply Co., American & Buttonwood, Phila., Pa.
Straus Boilerine Co. ("Boilerine"), 50 Church, New York
Street J. D. & Co. ("Lightning"), 41st & Park, St. Louis, Mo.
Stuart D. A. & Co., 2733 S Troy, Chicago, Ill.
Sullivan Oil Co. ("Sullivan's Economic"), 413 Wells, Chicago, Ill.
Superior Flake Graphite Co., 76 W Monroe, Chicago, Ill.
Swan & Finch Co. ("Katak," "Diamond"), 165 B'way, New York
Thomsen Chemical Co. ("Bosalt"), Race & Winder, Baltimore, Md.
U. S. Chemical Co., 3621 Lakeside av, Cleveland, O.
U. S. Graphite Co. (Graphite), Saginaw, Mich.
Wadhams Oil Co. ("Eureka"), 359 Clinton, Milwaukee, Wis.
Warley T. C. & Co., 211 Bainbridge, Phila., Pa.
Warren & Bailey Co. ("Acme"), 214 E 3d, Los Angeles, Cal.
Western Boiler Compound & Chemical Co., 306 Delaware, Kansas City, Mo.

(Continued on following page)

Boiler Compounds—Continued

Williams Joseph Co., Sharpsburg, Pa.
Williamson D. D. & Co., 86 Fulton, New York
Winn Wm. R. ("Winn"), 488 Cherry, New York
Winner Co. ("Winner"), 30 Church, New York
Wisconsin Fdry & Machine Co., Madison, Wis.
World Refining Co., Easton, Pa.
X Laboratories, 25H W 25th, New York
Young Boiler Compound Co., Castasauqua, Pa.
Zurn O. F. Co. ("Peerless"), Broad & Lehigh av, Phila., Pa.

Boiler Dealers

See Machinery Dealers

1006—Boiler Flue Heads & Manholes (Dished, Flanged, Etc.)

Central Iron & Steel Co. (Open Hearth Flanged), Harrisburg, Pa.
Glasgow Iron Co. (Pressed Open Hearth Steel), Pottstown, Pa.
Lukens Steel Co. (Open Hearth Steel), Coatesville, Pa.
Machold & Riddell, 4 Stephen Girard bldg, Phila., Pa.
Mecklenburg Iron Wks., 510 W. Trade, Charlotte, N. C.
Munroe R. & Sons Mfg. Corp., 23rd & Smallman, Pittsburgh, Pa.
Ryerson, Jos. T., & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Scully Steel & Iron Co., 2364 S Ashland av, Chicago, Ill.
Wickes Boiler Co., The, Saginaw, Mich.
See adv index at end of book

Boiler Flue & Tube Cleaners

See Cleaners, Boiler Flue & Tube

1007—Boiler Fronts & Castings

Auburn Foundry Corp., Auburn, Ind.
Bethlehem Steel Co., Bethlehem, Pa.
Bosworth-Ard Machine & Foundry Co., Anniston, Ala.
Brownell Co. (Castings), Dayton, Ohio
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Cambridge Iron Works, Cambridge, Mass.
Canton Steel Foundry Co., Dept. H, 1502 Allen av S E, Canton, Ohio
Casey-Hedges Co., Chattanooga, Tenn.
Chickasaw Mach. & Fdry. Co., 298 N 2nd, Memphis, Tenn.
Coatesville Foundry & Machine Co., Coatesville, Pa.
Columbus Iron Works, Columbus, Ga.
Farrar & Trefts, Inc., Buffalo, N. Y.
Flynn & Emrich Co. (Sectional Cast Iron), 805 N Holliday, Baltimore, Md.
Freeman Mfg. Co., Racine, Wis.
See adv index at end of book
Frost Mfg. Co., Galesburg, Ill.
Futrell Coupler Co., Inc., Streator, Ill.
GODFREY-KEELER CO., 70 Warren, New York
Grote F. Mfg. Co., 120 3rd av, Evansville, Ind.
Hartley Boiler Works, Montgomery, Ala.
Howell R. R. & Co., 31st av, Minneapolis, Minn.
Janney & Co., Montgomery, Ala.
Johnston Bros., Ferrysburg, Mich.
Keeler E. Co., 238 West, Williamsport, Pa.
Kelly Foundry & Machine Co., Goshen, Ind.
Kenny Boiler & Mfg. Co., 6th & Locust, St. Paul, Minn.
KUTZTOWN FOUNDRY & MACHINE CO. (For all Kinds of Boilers), 1421 Chestnut., Phila., Pa.
See adv index at end of book
Lamprey Co., 283 Elm, Westfield, Mass.
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
Lookout Boiler Mfg. Co., Chattanooga, Tenn.
Memphis Machine Works, 171 Vance, Memphis, Tenn.
Munroe R. & Sons Mfg. Corp'n, 23d & Smallman, Pittsburgh, Pa.
Murray Iron Works Co., Central av & Washington, Burlington, Ia.
Niver Iron Works Co., Muscatine, Ia.
Oil City Boiler Works, Oil City, Pa.
Paxton & Vierling Iron Works, Omaha, Neb.
Pettis W. W. Co., 416 1st Natl Bank bldg, Cincinnati, O.
Republic Structional Iron Wks. Co. 1350 E 53d, Cleveland, O.
Scully Steel & Iron Co., 2364 S Ashland av, Chicago, Ill.
Smith Geo. H. Steel Castings Co., 500 Clinton, Milwaukee, Wis.
Southern Boiler & Tank Works, 1275 Thomas, Memphis, Tenn.
Southern Engine & Boiler Mfg. Co., Jackson, Tenn.
Staten Island Shipbuilding Co., 3075 Richmond ter, Mariners Harbor, Staten Island, N. Y.
Statom Boiler Works, Anniston, Ala.
Thacher Propeller & Foundry Corp., Albany, N. Y.
Toledo Foundry & Machine Co., Toledo, O.
Vulcan Iron Works, Wilkes-Barre, Pa.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Wickes Boiler Co., The, Saginaw, Mich.
See adv index at end of book

1008-9-10—Boiler Heads (Flanged & Dished)

See also Boiler Heads, Pressed Steel

Central Iron & Steel Co. (Pressed Steel), Harrisburg, Pa.
Commercial Shearing & Stamping Co., Youngstown, Ohio
Glasgow Iron Co. (Open Hearth Pressed Steel), Pottstown, Pa.
Heggie James F & Sons, Inc.
Kittoe Boiler & Tank Co. Inc., Canton, O.
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Lukens Steel Co. (Open Hearth Steel), Coatesville, Pa.
Midvale Steel & Ordnance Co., Widener bldg, Phila., Pa.
Munroe R. & Sons Mfg. Corp., 23d & Smallman, Pittsburgh, Pa.
New Haven Boiler Works, Inc., 37 Mill, New Haven, Conn.
Riter-Conley Co., Oliver bldg, Pittsburgh, Pa.
Ryerson, Jos. T., & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Scully Steel & Iron Co., 2364 S Ashland av, Chicago, Ill.
Standard Boiler & Plate Iron Co. (Up to 96 in. Dia.), Niles, Ohio
See adv index at end of book
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Walsh's Holyoke Steam Boiler Works, Holyoke, Mass.
Wood Alan Iron & Steel Co., Widener bldg Philadelphia, Pa.
See adv index at end of book
Youngstown Pressed Steel Co., Warren, O.
See adv index at end of book

1011—*Boiler Mountings (For Portable Boilers)

ELECTRIC WHEEL CO., Station D, Quincy, Ill.
See adv index at end of book
Farquhar, A. B., Co., Ltd., York, Pa.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*

1012—Boiler Purifying Apparatus

Graver Corp., 4150 Todd av, E Chicago, Ind. *See adv index at end of book*
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
Tracy Engineering Co., 485 6th, San Francisco, Cal.

1013—Boiler Saddles (Pressed Steel)

Castle A. M. & Co., 1132 Blackhawk, Chicago, Ill.
Central Iron & Steel Co., Harrisburg, Pa.
Glasgow Iron Co., Pottstown, Pa.
Lukens Steel Co. ("Huston" Weldless), Coatesville, Pa.

1014— Boiler (Settings)

Casey-Hedges Co., Chattanooga, Tenn.
Cast Alfred, 20 Beacon, Boston, Mass.
Davis, J. F., & Sons Co., 1122-3-4 Harris Trust bldg, Chicago, Ill.
Houston, Stanwood & Gamble Co., 3rd & Philadelphia, Cincinnati, O.
Jarvis Engineering Co., 51 Ellery, Boston, Mass.
Lookout Boiler Mfg. Co., Chattanooga, Tenn.
McLEOD & HENRY CO., 360 1st, Troy, N. Y.
Preble Walter H. Co., 11 Pemberton, Boston, Mass.
Ross Frank E. Co., 201 Devonshire, Boston, Mass.
Rust Engineering Co. (Brickwork), 311 Ross, Pittsburgh, Pa.
Southern Boiler & Tank Works Co., 1275 Thomas, Memphis, Tenn.
SUMMERHAYS WM. & SONS (Fire Masonry), 70 Exchange, Rochester, N. Y.
Tomahawk Steel & Iron Works ("Ashley" Improved), Tomahawk, Wis.
Warwick Constn Co. (& Brick), 1048 W. Harrison, Chicago, Ill.
Welch John & Sons, 32 Prescott, Somerville, Mass.
Wickes Boiler Co., Saginaw, Mich.
See adv index at end of book

1015—Boiler Shells (Automobile)

American Welding Co. (Seamless Welded), Carbondale, Pa.
Pressed Steel Tank Co. (Seamless Steel), 58th & Greenfield av, Milwaukee, Wis.
Randolph-Clowes Co. (Copper), Waterbury, Conn.

1016— Boiler Stands (Range)

Bignall Co., Medina, N. Y.
Casey-Hedges Co., Chattanooga, Tenn.
Central Foundry Co. ("Murphy," "Universal" & "Lockwood"), 90 West, New "Lockwood"), 41 E. 42nd, New York
Cooper Sanitary Mfg. Co. (Iron), 34th & Chestnut, Phila., Pa.
Detroit Brass & Malleable Works (Cast Iron), 1117 Holden, Detroit, Mich.
Donley Bros. Co. (The) (Collapsible), 3625 E. 74th, Cleveland, Ohio
See adv index at end of book
Early Foundry Co. (Knock-Down), Dickson City, Pa.
Essex Foundry, Murray, Newark, N. J.
Fleck Bros. Co., 44 N 5th, Phila., Pa.
Gregory Thos. Galvanizing Works (Galvanized), 263 N Henry, Brooklyn, N. Y.
Haines, Jones & Cadbury Co. ("Hajoca"), 1136 Ridge av, Phila., Pa.
Hugo Mfg. Co. ("Hawks"), Duluth, Minn.
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Kupferle John C. Foundry Co., 1st & Wright, St. Louis, Mo.
Lawler Regulator Co. (Adjustable), 435 North Railroad av, Mt. Vernon, N. Y.
Mechanicville Specialty Supply Mfg. Co., Mechanicville, N. Y.
Modern Iron Works ("M. I. W."), Quincy, Ill.
Sanitary Co. (Plain & Galvanized), Dept. H, Linfield, Pa.
Sciafe, Wm. B., & Sons Co., 1st Natl. Bk. bldg, Pittsburgh, Pa.
See adv index at end of book
Swett A. L. Iron Works, Medina, N. Y.

1017—Boiler Washing & Testing Apparatus & Systems

MANNING MAXWELL & MOORE INC. (Hancock Inspirator Co. Div.), 100 E 42nd, New York
See adv index at end of book
Miller F. W. Heating Co., McCormick bldg, Chicago, Ill.
Murray & Tregurtha Co., H, Hancock, Quincy, Mass.
Nathan Mfg. Co., 21 E 40th, New York
National Boiler Washing Co. ("National") Ry. Exchange bldg, Chicago, Ill.
Rue Mfg. Co., 228 Cherry, Phila., Pa.
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book

1018— Boilers (Automobile)

Murray & Tregurtha Co. (Water Tube), 340 W 1st, Boston, Mass.
Otis Boiler Co., Inc. ("Otis"), 335 W 1st, Oswego, N. Y.
Power Turbo Blower Co., 350 Madison av, New York
Pressed Steel Tank Co. (Pressed Steel) 58th & Greenfield av, Milwaukee, Wis
Scaife Wm. P. & Sons Co., 1st Natl. Bk. bldg, Pittsburgh, Pa.
See adv index at end of book

1018a— *Boilers (Bath)

See also Boilers, Range, Galvanized Iron

KOVEN L. O. & BRO., INC., 154 Ogden av, Jersey City, N. J.
See adv index at end of book

1019— Boilers (Bleaching)

BIGGS BOILER WORKS CO. (Rotary Globe & Cylinder), Case av & Williams, Akron, O.
See adv index at end of book
Walsh's Holyoke Steam Boiler Works, Holyoke, Mass.

1020—*Boilers (Car Heating)

Otis Boiler Co., Inc., ("Otis"), 335 W 1st Oswego, N. Y.
Scaife Wm. B. Sons & Co., First Natl. Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book

1020a—Boilers (Down Draft)

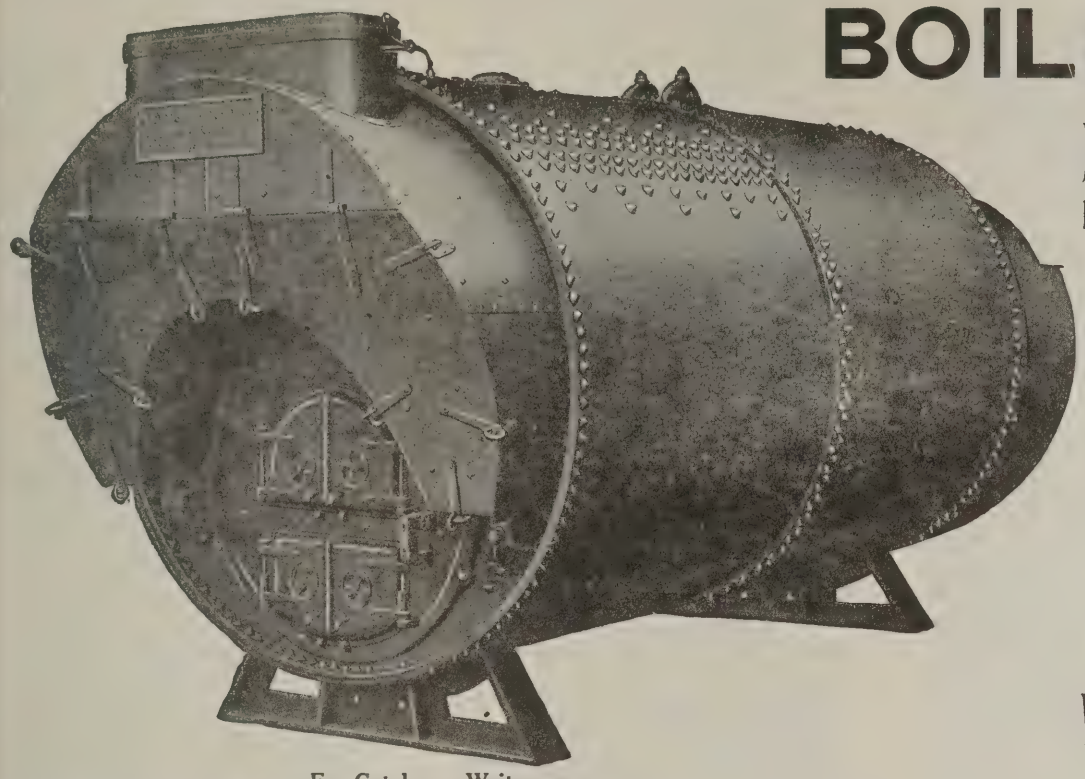
Am. Radiator Co. ("Ideal," "Arcola" Radiator Boiler hot water outfit), 816 Michigan av, Chicago, Ill.
Dundon Iron Works, 225 Folsom, San Francisco, Cal.
Gurney Heater Mfg. Co. ("Gurney"), 188 Franklin, Boston, Mass.
Molby Boiler Co. ("Molby" Magazine Feed for Low Pressure Heating Steam, Vapor & Water), 41 E 42nd, New York
Oil City Boiler Works, Oil City, Pa.
Peerless Heater Co., 5602 Baum blvd, Pittsburgh, Pa.
Richmond Radiator Co., 1480 B'way, New York

1021-2—Boilers (Egg, Automatic)

Berger & Hawden Mfg. Co., ("Baby Grand" Folding) Homestead, Pa.
Curtis, Espy & Co. ("Curtis Eggsactly"), 158 N Ashland blvd, Chicago, Ill.
Presto Elec. Co., Inc. ("Presto"), 703 Market, San Francisco, Cal.

1023-4-5— Boilers (Farm)

Boves Furnace Works ("Kaiser"), Waterloo, Ia.
Buch's A. Sons Co. ("Farmers' Friend"), Elizabethtown, Pa.



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HORIZONTAL WATER TUBE

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Donaldson Bros. ("Donaldson"), Mt. Clemens, Mich.
Eddy W. Plow Co. ("Eddy"), Greenwich, N. Y.
Farquhar, A. B., Co., Ltd., York, Pa.
Freeland Steel Tank Co. ("Freeland"), Portage, Wis.
Gehl Bros. Mfg. Co. ("Gehl"), West Bend, Wis.
Heesen Bros. Co. ("Heesen"), Tecumseh, Mich.
Heller-Aller Co., Napoleon, O.
Holt Mfg. Co. ("Holt"), Stockton, Cal.
Leffel James & Co. ("Leffel"), East St., Springfield, O.
Moore Plow & Implement Co. ("Moore"), Greenville, Mich.
Sperry D. R. & Co. ("Sperry"), Batavia, Ill.

1026— Boilers (Gas Fired)

Economy Heater Co. (Combination Range Boilers for Domestic Hot Water), 110 S. La Salle, Chicago, Ill.
See adv index at end of book
Eclipse Fuel Engineering Co. ("McKee" Automatic, ¾ to 12 H. P.), 100 Forbes, Rockford, Ill.
McCABE HANGER MFG. CO., 426-8 W 25th, New York
Otis Boiler Co. ("Otis"), 335 W 1st, Oswego, New York.
Standard Heating & Radiator Co., 220 Penn, Pittsburgh, Pa.
Thompson, Alfred H., 1000 N. Broadway, Los Angeles, Cal.

1027— Boilers (Ham)

Indiana Hollow Ware Co. (Cast Iron Underground or Enameled), Jeffersonville, Ind.
Rubin Iron Wks., Jacksonville, Fla.
Sperry D. R. & Co., Batavia, Ill.

1027a— Boilers (Heating)

Birchfield Boiler Co., 2593 E 11th, Tacoma, Wash.
Hamler Boiler & Tank Co., Dept. H, W 66th & So. 60th av, Chicago, Ill.
Harrisburg Star Boiler Corp. ("Harrisburg Star"), 15 Park Row, New York
Illinois Malleable Iron Co. ("Imico," "Illinois"), 1801 Diversey Blvd, Chicago, Ill.
See adv index at end of book
Keeler E. Co. ("Keeler" Low Pressure Sectional), Williamsport, Conn.
OIL CITY BOILER WORKS, Oil City, Pa.
Richmond Radiator Co., 1480 Broadway, New York
West Coast Iron & Steel Works, Inc., 485 N 28th, Portland, Ore.

1027b—Boilers (Heating & Water Supply)

See also Heater, Steam & Hot Water

American Radiator Co., 816 S Michigan av, Chicago, Ill.
Birchfield Boiler Co., 2503 E 11th, Tacoma, Wash.
California Boiler Works, 526 Howard, San Francisco, Cal.
Charleston Iron Works, Charleston, S. C.
Everitt Co., 267 Franklin, Boston, Mass.
See adv index at end of book
Harrisburg Star Boiler Corp. ("Harrisburg Star"), 15 Park Row, New York
KOVEN L. O. & BRO., INC., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Richmond Radiator Co., 1480 Broadway, New York
Scaife Wm. B. & Sons Co., 1st Natl. Bk. bldg, Pittsburgh, Pa.
See adv index at end of book

Boilers (House Heating)

See Heaters, Steam & Hot Water

1027c— Boilers (Internally Fired)

Casey-Hedges Co., Dept. H, Chattanooga, Tenn.
FREEMAN MFG. CO., Racine, Wis.
See adv index at end of book
Frost Mfg. Co., Dept. H, Galesburg, Ill.
Harrisburg Star Boiler Corp. ("Harrisburg Star"), 15 Park Row, New York
Leffel James & Co., Dept. H, East Springfield, Ohio
Murray Iron Works Co., Dept. H, Burlington, Ia.
Northern Boiler & Structural Iron Wks., Appleton, Wis.
PENNSYLVANIA BOILER WORKS (Export Office), 43 Cedar, New York
Walsh & Weidner Boiler Co., Dept. H, Chattanooga, Tenn.

1028—Boilers (Locomotive, Fire Box)

AMES IRON WORKS, 41 E. 42nd, New York
Beggs, James, & Co., 30 Warren, New York
See adv index at end of book
Bovaird & Seyfang Mfg. Co., Bradford, Pa.
Brennan Jno. & Co. ("Detroit"), 24th & M. C. R. R., Detroit, Mich.
Bros Wm. Boiler & Mfg. Co., Nic Island, Minneapolis, Minn.
Brownell Co., Dayton, O.
Casey-Hedges Co., Chattanooga, Tenn.
Charleston Dry Dock & Machine Co., Charleston, S. C.
Coatesville Boiler Works, 115 S 15th, Philadelphia, Pa.
CONNELLY D. BOILER CO., Ivanhoe rd & N. Y. & St. L. R. R., Cleveland, O.
See adv index at end of book
Davenport Locomotive Works (High Pressure), Davenport, Ia.
DOVER BOILER WORKS, Sales offices: 40 Church, New York; Works: Dover, N. J. *See adv index at end of book*
Dundon Iron Works, 225 Folsom, San Francisco, Cal.
Engineering Products Co., Rialto bldg, San Francisco, Cal.
See adv index at end of book
Fairbanks Steam Shovel Co., Marion, O.
Farquhar, A. B., Co., Ltd. ("Farquhar"), York, Pa.
Frick Co., Dept. H, Waynesboro, Pa.
Gerdes & Co., 42 Church, New York
See adv index at end of book
GODFREY-KEELER CO., 70 Warren, New York
Granger Co. A. D. (Steam), 17 Park Row, New York
See adv index at end of book
Hartley Boiler Works, Montgomery, Ala.
Houston, Stanwood & Gamble Co., 3rd & Phila., Cincinnati, O.
Johnston Bros., Ferrysburg, Mich.
KEELER E. CO., 238 West, Williamsport, Pa.
Kewanee Boiler Co., Kewanee, Ill.
Kingsford Foundry & Machine Works, Oswego, N. Y.
Llewellyn Iron Works, 1200 N Main, Los Angeles, Cal.
Lookout Boiler Mfg. Co., Chattanooga, Tenn.
Main Iron Works, 16th & Daggett, San Francisco, Cal.
Manitowoc Boiler Works Co., Manitowoc, Wis.
Murray Iron Works Co., Burlington, Ia.
Nagle Engine & Boiler Works, Erie, Pa.
O'Brien John Boiler Works Co., 11th & Mullanphy, St. Louis, Mo.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
PENNSYLVANIA BOILER WORKS (Export Dept.), 43 Cedar, New York

(Continued on following page)

Boilers (Locomotive, Fire Box)—Continued

Pusey & Jones Co., Poplar & Front, Wilmington, Del.
Riley John F. Foundry & Mach. Co., Charleston, S. C.
Seattle Boiler Works, 1128 W. 45th, Seattle, Wash.
Smith Samuel & Son Co., Paterson, N. J.
Star Drilling Machine Co., Akron, O.
Titusville Iron Co. ("Acme"), Titusville, Pa.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
West Coast Iron & Steel Works, Inc., 485 No. 28th, Portland, Ore.

Boilers (Low Pressure)

See Heaters, Steam & Hot Water

1029— Boilers (Marine)

See also Boilers, Tubular

Almy Water Tube Boiler Co., 184 Allens av, Providence, R. I.
American Boiler Works, Erie, Pa.
Astoria Marine Iron Wks., Astoria, Ore.
Atlantic Works, 80 Border, E Boston, Mass.
BABCOCK & WILCOX CO. (THE), 85 Liberty, New York
Bath Iron Works, Ltd., Bath, Me.
BEGGS JAMES & CO., 30 Warren, New York *See adv index at end of book*
Bethlehem Shipbuilding Corp., Ltd. (High Pressure, Scotch), Bethlehem, Pa.
Boom Boiler & Welding Co., Elm & Main, Cleveland, O.
Boston Engineering Co., 308 Atlantic av, Boston, Mass.
Brennan Jno. & Co. ("Detroit" Scotch), Dept. H, 24th & M. C. R. R., Detroit, Mich.
Bridgeport Boiler Works Co., 202 Housatonic av, Bridgeport, Conn.
Cahill W. S. Co., Key, Highway & Webster, Baltimore, Md.
Camden Anchor-Rockland Machine Co., Rockland, Me.
Casey-Hedges Co. (Scotch, Leg & Special), Chattanooga, Tenn.
Central Boiler Works, 5791 Russell, Detroit, Mich.
Charleston Dry Dock Machine Co. (Scotch), Charleston, S. C.
Charleston Iron Works, Charleston, S. C.
Codd E. J. Co., 700 S Caroline, Baltimore, Md.
Columbiana Boiler Co., Columbiana, O.
Cramp, Wm., & Sons Ship & Engine Bldg. Co. (Scotch), Richmond & Norris, Phila., Pa.
De Pere Mfg. Co., West De Pere, Wis.
Detroit Shipbuilding Co. (Scotch & Fire Box), Brass Dept., ft. Orleans, Detroit, Mich.
DOVER BOILER WORKS, Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Dravo Contracting Co., 1100 Diamond Bk. bldg, Pittsburgh, Pa.
Dubuque Boat & Boiler Works, Dubuque, Iowa
Dundon Iron Works, 225 Folsom, San Francisco, Cal.
Duschak Boiler & Tank Co., 1405 Water, Long Beach, Cal.
Fairbanks Steam Shovel Co. (Scotch Type), Marion, O.
Farrar & Trefts Inc., 67 Perry, Buffalo, N. Y.
Fitzgibbon Boiler Co. (Vertical), Oswego, N. Y.
Fletcher W. & A. Co., Hoboken, N. J.
FREEMAN MFG. CO., Racine, Wis. *See adv index at end of book*
Gas Engine & Power Co., & Chas L. Seabury & Co., Morris Heights, New York
Gem City Boiler Co. (Internal Furnace), Dayton, Ohio
Gillie Machine Co., Tonawanda, N. Y.
Godfrey Keeler Co., 70 Warren, New York
Granger Co. A. D., 17 Park Row, New York *See adv index at end of book*
Great Lakes Engineering Works, Real Estate Ex. bldg., Detroit, Mich.
Hartley Boiler Works, Montgomery, Ala.
Heine Boiler Co., 5319 E. Marcus av, St. Louis, Mo.
Heipershausen Bros., 43 Tomkins, New York
Hodge Boiler Works, 99 Summer, E Boston, Mass.
Houston, Stanwood & Gamble Co., 3rd & Phila., Cincinnati, O.
International Boiler Works Co., East Stroudsburg, Pa.
Jackson & Church Co., Saginaw, Mich.
Johnston Bros., Ferrysburg, Mich.
Kingsford Foundry & Machine Works, Oswego, N. Y.
Lake Erie Boiler Wks., Cleveland, O.
Lauson J. Mfg. Co., New Holstein, Wis.
Leslie, Elliott & Co., Paterson, N. J.
Llewellyn Iron Wks., 1200H N Main, Los Angeles, Calif.
Main Iron Works (Scotch), 16th & Daggett, San Francisco, Cal.
Manistee Iron Works Co., Manistee, Mich.
Manitowoc Boiler Works Co., Manitowoc, Wis.
Manitowoc Engineering Works (Scotch, Dry & Tubular), Manitowoc, Wis.
Merrill Stevens Dry Dock & Repair Co., Jacksonville, Fla.
Moore Dry Dock Co., Balfour bldg, San Francisco, Cal.
Morris I. P. Co., Richmond & Norris, Phila., Pa.
Moynihan T. J. & Co., 401 Folsom, San Francisco, Cal.
Munroe R. & Sons Mfg. Corp., 23d & Smallman, Pittsburgh, Pa.
Murray Iron Works Co. (Tubular & Internal Furnace, etc), Central av & Washington, Burlington, Ia.
New London Marine & Iron Works, New London, Conn.
Newport News Shipbuilding & Dry Dock Co., 233 B'way, New York
New York Engng. Co., 2 Rector, New York
New York Shipbuilding Co., Camden, N. J.
Oldman-McGee Boiler Works (Upright), 38 Illinois, Buffalo, N. Y.
Optenberg Iron Works, Sheboygan, Wis.
Pacific Coast Boiler Works, 235H Main, San Francisco, Cal.
PENNSYLVANIA BOILER WORKS (Export Dept.), 43 Cedar, New York
Perth Amboy Dry Dock Co., Perth Amboy, N. J.
Portland Co., Portland, Me.
Puget Sound Boiler Depot, 318 1st av S, Seattle, Wash.
Pusey & Jones Co., Wilmington, Del.
Quintard Iron Works Co., 40 Wall, New York
Riley John F. Foundry & Mach. Co., Charleston, S. C.
Roberts Safety Water Tube Boiler Co., 39 Cortlandt, N. Y.
Rodgers Boiler & Burner Co. (Internally Fired), Muskegon, Mich.
Seattle Boiler Works, Ballard, Seattle, Wash.
Shewan James & Son, 1 B'way, New York
Smith Samuel & Son Co., Paterson, N. J.
Smith & Watson Iron Wks., 400 Front, Portland, Ore.
Spedden Shipbuilding Co., Boston & Kenwood, Baltimore, Md.
Speirs Bros., New London, Conn.
Springfield Boiler Co. (Water Tube), Springfield, Ill.
Vulcan Iron Works Inc., Hudson & Essex, Jersey City, N. J.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Ward Chas Engng. Works, Charleston, W. Va.
Waterloo Steam Boiler Works, Waterloo, Ia.
Western Engineering Corp., Spokane & E. Marginal Way, Seattle, Wash.
Wickes Boiler Co., The, Saginaw, Mich.
Willamette Iron & Steel Works (Scotch), Foot of Front, Portland, Ore.
Woodman Andrew W. & Co., West De Pere, Wis.

1029a—Boilers (Oil Burning)

OIL CITY BOILER WORKS, Oil City, Pa.

1030—Boilers (Oil Well Drilling)

Columbiana Boiler Co., Columbiana, O.
FARRAR & TREFTS, INC., Buffalo, N. Y.
Herron R. H. Co., 934 N Alemeda, Los Angeles, Cal.
Keystone Driller Co., Beaver Falls, Pa. *See adv index at end of book*
National Supply Co., Union Bank bldg, Pittsburgh, Pa.

1030a—Boilers (Portable Fire Box)

OIL CITY BOILER WORKS, Oil City, Pa.

1031—Boilers (Portable, on Wheels)

Byers Machine Co., The, 242 Sycamore, Ravenna, O. *See adv index at end of book*
Casey-Hedges Co., Chattanooga, Tenn.
Columbiana Boiler Co., Columbiana, O.
Dundon Iron Works, 225 Folsom, San Francisco, Cal.
Farrar & Trefts, Inc., Buffalo, N. Y.
Frick Co., Waynesboro, Pa.
GODFREY-KEELER CO. ("Cornish"), 70 Warren, New York
Houston, Stanwood & Gamble Co., 3rd & Phila., Cincinnati, O.
Leffel James & Co., East, Springfield, O.
Lombard Iron Works & Supply Co., Atlanta, Ga.
Lookout Boiler Mfg. Co. (Locomotive Type), Chattanooga, Tenn.
Munroe R. & Sons Mfg. Corp., 23d & Smallman, Pittsburgh, Pa.
Northern Boiler & Structural Iron Wks., Appleton, Wis.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
PENNSYLVANIA BOILER WORKS (Export Office), 43 Cedar, New York
Southern Engine & Boiler Mfg. Co., Jackson, Tenn.
Taylor Iron Works & Supply Co. (Internal Fired), Macon, Ga.
Titusville Iron Co., Titusville, Pa.
Toomey Frank, Inc. (Dealers), 127 N 3rd, Phila., Pa.
Union Iron Works Co., 20th & Michigan, San Francisco, Cal.
Walsh's Holyoke Steam Boiler Works, Holyoke, Mass.
Warren City Tank & Boiler Co., Warren, O.

1032—Boilers (Range, Copper)

BADGER E. B. & SONS CO., 75a Pitts, Boston, Mass. *See adv index at end of book*
Blessing C. A., 516 Montgomery av, Phila., Pa.
Boston Copper Works Co., E. Boston, Mass.
Bucyrus Copper Kettle Works Co. (The), Bucyrus, O. *See adv index at end of book*
DAHLQUIST MFG. CO. ("Boston"), 40 W 3d, S Boston, Mass. *See adv index at end of book*
Engelhard Frank & Sons, 200 Franklin, Springfield, Mass.
Everitt Co., 267 Franklin, Boston 9, Mass. *See adv index at end of book*
Gerstein Bros. & Cooper, 3 W 3d, S Boston, Mass.
Hampden Brass Co., 262 Liberty, Springfield, Mass.
Hayes Mfg. Co. ("Wilhelme," "Modern" & "Manhattan"), Paterson, N. J.
Metal Products Corp., 49 Chestnut, Weehawken, N. J.
Moriarty G. J., 28 Harvard, Boston, Mass.
Mott J. L. Iron Works ("No-Seam"), Trenton, N. J.
Randolph-Clowes Co. ("Brown Bros." "Seamless"), Waterbury, Conn.
Trageser John Steam Copper Works, 447 W 26th, New York

1033—Boilers (Range, Galvanized Iron)

Aird-Don Co. ("Trojan"), Troy, N. Y.
Anderson Engineering & Supply Co., Peekskill, N. Y.
Bastian, W. A., Co., 2117 Violet, Los Angeles, Cal.
Cahill, Swift Mfg. Co. ("Crescent"), 1112 Market, St. Louis, Mo.
Carroll Patrick & Son, 1406 Fairmount av, Phila., Pa.
Case W. A. & Sons Mfg. Co. (Welded), 31 Main, Buffalo, N. Y.
Clow Jas. B. & Sons, Franklin & Harrison, Chicago, Ill.
Detroit Range Boiler & Steel Barrel Co. ("Star"), 2475 24th, Detroit, Mich.
ECONOMY HEATER CO., 110 S La Salle, Chicago, Ill. *See adv index at end of book*
Fleck Bros Co. ("Never Leak"), 44 N 5th, Phila., Pa.
Haines, Jones & Cadbury Co. ("Hajoca," "Leader," "Pointer," "Quaker City"), 1136 Ridge av, Phila., Pa.
Heller, Aller & Co., Napoleon, O.
Hibbs E. A., Bread & Quarry, Phila., Pa.
Johnson J. D. Co., 43 Boerum pl, Brooklyn, N. Y.
Koven L. O. & Bros., Inc., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*

BOILERS

Range, Galvanized

Manufacturers of Galvanized Range Boilers in all grades and capacities, also equipped with steam coils. Expansion Tanks, Water Closet Tanks, Air Tanks and Special Tanks for any purpose, either riveted or welded construction. Galvanized by hot dip process.

L. O. KOVEN & BROTHER, Inc.
154 Ogden Avenue, Jersey City, N. J.

Metal Products Corp., 49 Chestnut, Weehawken, N. J.
Mott J. L. Iron Works, Trenton, N. J.
National Boiler Mfg. Co., 1601 Compton av, Los Angeles, Cal.
National Steel Construction Co. ("National" Steel), 425 Frontenac, Seattle, Wash.
Peerless Range Boiler Corp. (Combination), 108 S La Salle, Chicago, Ill.
Pa Range Boiler Co. (Riveted & Welded), 2024 N 10th, Phila., Pa.
Riverside Boiler Works, Cambridge, Mass.
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York *See adv index at end of book*
Thompson Iron Works, 1825 Callowhill, Phila., Pa.
Trageser John Steam Copper Works ("Graves") 447 W 26th, New York
Victor Combination Kitchen Boiler Co., 4th & Washington, Oakland, Cal.
Walls, Owen & Stambach Co. ("Ajax," "Kineo," "Monitor"), 11th & Hamilton, Phila., Pa.
Wheeling Steel Corp., Wheeling, W. Va.
Whitaker-Glessner Co. (Steel), Portsmouth, O.
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.
Wood John Mfg. Co. (Electric Welded Seamless), Conshohocken, Pa.

1034—Boilers (Return Tubular)

AMES IRON WORKS ("Empire"), 41 E 42d, New York
Bass Foundry & Machine Co., Fort Wayne, Ind.
BEGGS JAMES & CO., 30 Warren, New York. *See adv index at end of book*
Bethlehem Shipbuilding Corp., Ltd., Dept. H, Broadhead & Parker av, Bethlehem, Pa.
Bigelow Co., New Haven, Conn.
Brownell Co., Dayton, O.
California Boiler Works, 526 Howard, San Francisco, Cal.
Casey-Hedges Co., Chattanooga, Tenn.
Charleston Dry Dock & Machine Co., Charleston, S. C.
COATESVILLE BOILER WORKS, 111 S 15th, Philadelphia, Pa.
Codd E. J. Co., 700 S Caroline, Baltimore, Md.
Cole R. D. Mfg. Co., Newnan, Ga.
Dillon D. M. Steam Boiler Works, Fitchburg, Mass.
DOVER BOILER WORKS, Sales Offices: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Dundon Iron Works, 225 Folsom, San Francisco, Cal.
Duschak Boiler & Tank Co., 1405 Water, Long Beach, Cal.
Erie City Iron Works ("Economic," Horizontal), Erie, Pa.
Farrar & Trefts, Inc., Buffalo, N. Y.
FREEMAN MFG. CO., Racine, Wis. *See adv index at end of book*
Gem City Boiler Co., 331 Leo, Dayton, O.
Gerdes & Co., 42 Church, New York *See adv index at end of book*
GODFREY-KEELER CO., 70 Warren, New York
Granger Co. A. D., 17 Park Row, New York *See adv index at end of book*
Hartley Boiler Works, Montgomery, Ala.
Houston, Stanwood & Gamble Co., 3rd & Phila., Cincinnati, O.
International Boiler Works Co., East Stroudsburg, Pa.
Iron & Steel Contracting Co., 215 San Bruno av, San Francisco, Cal.
KEELER E. CO. ("Keeler"), 238 West, Williamsport, Pa.
Kewanee Boiler Co., Kewanee, Ill.
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
Leffel James & Co., East, Springfield, O.
Leslie, Elliott & Co., Paterson, N. J.
Llewellyn Iron Wks., 1200H N Main st., Los Angeles Cal.
Lombard Iron Works & Supply Co., Augusta, Ga.
Lookout Boiler Mfg. Co., Chattanooga, Tenn.
McCabe E. & Co., Lawrence, Mass.
McEwen Bros., Wellsville, N. Y.
Main Iron Works (Horizontal), 16th & Daggett, San Francisco, Cal.
Manitowoc Boiler Works Co., Manitowoc, Wis.
OCEAN SHORE IRON WORKS, 550 8th, San Francisco, Cal.
Oil City Boiler Works, Oil City, Pa.
Pacific Coast Boiler Works, 235 Main, San Francisco, Cal.
PENNSYLVANIA BOILER WORKS (Export Office), 43 Cedar, New York
Puget Sound Machinery Depot, 318 1st av, Seattle, Wash.
Riley John F. Foundry & Mach. Co., Charleston, S. C.
Rust Engineering Co. (Brickwork), 311 Ross, Pittsburgh, Pa.
Schofield's, J. S., Sons Co., Hammond & Edgewood av, Macon, Ga.
Seattle Boiler Works, 1123 W. 45th, Seattle, Wash.
Smith Samuel & Son Co., Paterson, N. J.
Springfield Boiler Co., Springfield, Ill.
Taylor Iron Works & Supplies Co., 1014 Broadway, Macon, Ga.
Toomey Frank, Inc. (Dealers), 127 N 3rd, Phila., Pa.
Topeka Steam Boiler Works, Topeka, Kansas.
Tudor Boiler Mfg. Co., 715 E 3d, Cincinnati, O.
Union Iron Works, Dept. H, 15th & Cascade, Erie, Pa.
Utisi Steam Engine & Boiler Wks., 800 Whitesboro, Utica, N. Y.
Vulcan Iron Works, Wilkes-Barre, Pa.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Walsh's Holyoke Steam Boiler Works, Holyoke, Mass.
Waterloo Steam Boiler Works, Waterloo, Ia.
West Coast Iron & Steel Works, Inc., 485 N. 28th, Portland, Ore.
Western Blower Co., 1800 9th av So, Seattle, Wash.
Western Engineering Corp., Spokane & E Marginal Way, Seattle, Wash.
Wickes Boiler Co., The, Saginaw, Mich.

1035—*Boilers (Rotary Bleaching)

BIGGS BOILER WORKS CO., Case av & Williams, Akron, O. *See adv index at end of book*
Pusey & Jones (Paper), H Poplar, Wilmington, Del.
Thompson, Alfred H., 1000 N Broadway, Los Angeles, Cal.

1036— Boilers (Sectional)

Granger Co. A. D., 17 Park Row, New York *See adv index at end of book*

1036a— Boilers (Smokeless)

OIL CITY BOILER WORKS, Oil City, Pa.

1036b—Boilers (Steam, Oil Burning, on Wheels)

Granger Co. A. D., 17 Park Row, New York *See adv index at end of book*

1037—Boilers (Steam, Seamless Welded)

Edge Moore Iron Co., Edge Moore, Del.

1038—Boilers (Truck & Tractor)

See also other Boiler Headings

Lidgerwood Mfg. Co., 96 Liberty, New York *See adv index at end of book*
Otis Boiler Co., Inc., 335 W. 1st, Oswego, N. Y.

1039— Boilers (Tubular)

See also Boilers, Water Tube; also Heaters, Steam & Hot Water

ALABAMA.

ANNISTON—Statom Boiler Works
Webber Iron Works
MONTGOMERY—Hartley Boiler Works
SELMA—Union Iron Works Co.

ARKANSAS.

FORT SMITH—Breslin Boiler & Iron Works
Ketcham Iron Co.

CALIFORNIA.

CHICO—Diamond Match Co. (Engineering Dept)
COALINGA—Crescent Iron Works
LONG BEACH—Duschak Boiler & Tank Co., 1405 Water
LOS ANGELES—Baker Iron Works
Llewellyn Iron Works, 1200 N Main
Pioneer Boiler & Machine Works
Thompson, Alfred H., 1000 N Broadway
OAKLAND—United Iron Works
SACRAMENTO—Phoenix Iron & Boiler Works
SAN FRANCISCO—Bay City Iron Works, 1243 Harrison
California Boiler Works, 526 Howard
Dundon Iron Works, 225 Folsom
Engineering Products Co., Rialto bldg *See adv index at end of book*
Eureka Boiler Works Co. (Marine, Stationary & Locomotive), 166 Fremont
Hendy Joshua Iron Works, 75 Fremont
IRON & STEEL CONTRACTING CO., 215 San Bruno av
Keystone Boiler Works, 16th & Daggett
Moynihan T. J. & Co., 401 Folsom
Mushet W. E. Co. (Dirs.), 700 2nd
Ocean Shore Iron Wks., 550 8th
Pacific Coast Boiler Works, 235H Main
STOCKTON—Stockton Iron Works

COLORADO.

BLACK HAWK—Stroehle Machinery & Supply Co.
DENVER—Denver Engineering Works Co.
Stearns-Roger Mfg. Co., 1720 Calif.

CONNECTICUT.

BRIDGEPORT—Bridgeport Boiler Works Co. ("Lowe")
Conn. Marine Boiler Works (B. M. Brennan, Prop.), 64 Kossuth
McCathron Boiler Works Co., 72 Knowlton
Porcupine Co., Fairfield
HARTFORD—Beach H. B. & Son, 135 Grove
NEW Haven—Bigelow Co. (Horizontal, Upright, Return Tubular & "Manning" Vertical)
New Haven Boiler Works, Inc.
NEW LONDON—Speirs Bros.
PUTNAM—Putnam Foundry & Machine Co.

DISTRICT OF COLUMBIA.

WASHINGTON—Hurley John E., 1219 Ohio av

FLORIDA.

JACKSONVILLE—Merrill Stevens Dry Dock & Repair Co., Dept. H.
ORLANDO—Cain-O'Berry Boiler Co.
TAMPA—Gulf Boiler Works

GEORGIA.

ATLANTA—Finnigan J. J. & Co.
AUGUSTA—Lombard Iron Works & Supply Co.
COLUMBUS—Columbus Iron Works (Jobbers)
MACON—Schofield's, J. H., Sons Co. (Internally Fired), Hammond & Edgewood av
Taylor Iron Works & Supply Co.
NEWNAN—Cole R. D. Mfg. Co. (Return Tubular)
SAVANNAH—Kehoe Iron Works (Jobbers)
Rourke John & Sons

ILLINOIS.

AURORA—Fox River Boiler & Iron Works
BELLEVILLE—Southern Boiler Works (Isselhardt & Son, Prop'rs)
CHICAGO—Chicago Ship Building Co. (Marine, etc), 101st & Calumet River
Clyde Iron Works Sales Co. (Jobbers), 11 So La Salle *See adv index at end of book*
Corbett Geo. E. & Co., 1336 Cortland
Downey T. F. Boiler Works, 2600 W Grand av
Frank R. E. Steam Boiler Co., 6714 S Chicago av
Herbert Boiler Co., 140 Root
Hibben & Co., 9376 Ewing av
Kroeschell Bros. Co. (Water Tube, Horizontal Return Tubular, Fire & Water Tube), 440 W Erie
MOHR JOHN & SONS, 96th & Calumet River
Pratt Henry Co., 2222 S Halsted
Ross Boiler Co., 3600 Shields av
Sharkey & Peck, 2433 W 18th
Superior Machine & Boiler Works, 848 W Superior
Wachs E. H. Co., 1525 Dayton
Wildman Boiler & Tank Co., 3026 Carroll av
CHICAGO HEIGHTS—Chicago Heights Boiler Works
DANVILLE—Chesley J. L.
GALESBURG—Frost Mfg. Co. (Horizontal & Vertical Tubular)
JACKSONVILLE—Kellogg Bros. & Co.
JOLIET—Heggie James G. & Sons
Heggie Wm.
KEWANEE—Kewanee Boiler Co.
MOLINE—Schillinger A. J. & J. G.
PEORIA—Cody Jos. & Sons.
Forbes Boiler & Iron Works
QUINCY—Michelmann Steel Construction Co.
SPRINGFIELD—Springfield Boiler Co.
STREATOR—Jones Wm. B. Boiler Co.

INDIANA.

ALEXANDRIA—Wells Harry M.
BRAZIL—Vanes John Boiler Works Co.
ELWOOD—Diamond L. J.
EVANSVILLE—Holtz F. Co., 18 & 30 3rd av
FORT WAYNE—Bass Foundry & Machine Co. (Horizontal, Tubular & Water Tube)
INDIANAPOLIS—Chandler & Taylor Co. (Tubular, Upright & Firebox), 205 S Addison & Big Four R. R.
Kennedy P. W., 1201 Beecher
Sinker-Davis Co.
JEFFERSONVILLE—Sweeney M. A. Shipyard & Foundry Co.
LA PORTE—Advance Rumley Co., Madison & Lincoln Way
MADISON—Henry Chas.
Johnson Foundry & Machine Shops
MARION—Superior Boiler Works
MUNCIE—Broderick Co.
Muncie Boiler & Sheet Iron Works
NEW ALBANY—Hegewald Chas. Co.
Zier Boiler & Sheet Iron Co.
TERRE HAUTE—Terre Haute Boiler Works Co.

IOWA.

BURLINGTON—Murray Iron Works Co. (Tubular & Internal Furnace, etc), Central av & Burlington
CLINTON—Cullen Co.
DAVENPORT—Grupe John P.
DES MOINES—Globe Machinery & Supply Co.
Iowa Boiler Works (James Owens & Sons, Props.)
DUBUQUE—Marshall Wm.
MUSCATINE—Garren & Hines
OTTUMWA—McDaniel C. E.
Ottumwa Iron Works
WATERLOO—Waterloo Steam Boiler Works

KANSAS.

KANSAS CITY—Kaw Boiler Works Co.
TOPEKA—Bromich Joseph
Topeka Steam Boiler Works.

KENTUCKY.

LEXINGTON—Lexington Engine & Boiler Works
LOUISVILLE—American Iron Works
Vogt Henry Machine Co., Inc.
Walton C. J. & Son

LOUISIANA.

DONALDSONVILLE—Schroeder A. J.
JEANERETTE—Jeffrey Daniel & Sons
NEW ORLEANS—Clyde Iron Works Sales Co. (Jobbers), 309 Magazine *See adv index at end of book*
Dussell Alex Iron Wks. Co., 416 Erato
Johnson Iron Works, Dry Dock & Ship Bldg. Co., Inc., Morgan & Sequin
New Orleans Boiler Works (Jno. H. Murphy, Prop.), 643 Magazine
SHREVEPORT—Parsons P.
THIBODAUX—Thibodaux Boiler Works Co., Ltd.

(Continued on following page)

Boilers (Tubular)—Continued

MAINE.

BANGOR—Union Iron Works
BATH—Bath Iron Works, Ltd.
CAMDEN—Camden Anchor-Rockland Machine Co. (Marine, etc)
HALLOWELL—Fuller's, Geo. Sons
PORTLAND—Estle & O'Brien Boiler Co.
Portland Co. ("Manning," "Dean" Marine & Stationary, Internally Fired)

MARYLAND.

BALTIMORE — Bethlehem Shipbuilding Corp., Ltd., Balt. Drydock Plant (Marine Scotch Pattern), ft. East Fort av
Cahill W. S. Co., Key Highway & Webster
Codd E. J. Co., 700 S Caroline
Fluskey J. B., Pier 4, Pratt
McIntyre & Henderson, 821 Key Highway
McNamara Bros. Co., Westport
Marine Engine & Boiler Co., Philpot & Point
Novelty Steam Boiler Works (Triplett & Jennings, Props.) (Stationary & Marine), 917 S Howard
Spedden Ship Building Co. (Marine, etc), Boston & Kenwood
CUMBERLAND—McKaig Merwin

MASSACHUSETTS.

BOSTON—Atlantic Works, 80 Border, E Boston
Bertelsen & Petersen Engineering Co., 256 Border
Boston Engineering Co., 308 Atlantic av
Hodge Boiler Works (Marine & Stationary), 99 Sumner, E. B.
Mason, Marcus & Co., Inc. ("Hercules"), 210 Devonshire
Minton Richard, 119 Sumner, E B
New England Iron Works Co., Summer
Russell Daniel Boiler Works, 93 Boston
Russell James Boiler Works Co., 307 C
Safety Utility Co. ("Unitize" Electric), 89 Beach
CAMBRIDGE—Cambridge Iron Works
Roberts Iron Works Co.
FALL RIVER—Fall River Boiler Works
FITCHBURG—Dillon D. M. Steam Boiler Works
FRAMINGHAM—International Engineering Works, Ltd. (Locomotive Fire Box Portable Internally Fired, etc)
HOLYOKE—Walsh's Holyoke Steam Boiler Works
LAWRENCE—McCabe E. & Co.
Staffard Wright & Son
LOWELL—Scannell Boiler Works
NEW BEDFORD—New Bedford Boiler & Machine Co.
SPRINGFIELD—Walsh's Boiler & Iron Works, 221 Liberty
WORCESTER—Allen Wm. Sons Co.
Stewart Boiler Works, Albany

MICHIGAN.

BAY CITY—Bay City Iron Co.
CHEBOYGAN—Schwartz Bros. & Co.
DETROIT—Central Boiler Works, 5791 Russell
Detroit Ship Building Co. (Marine), ft. Orleans
Great Lakes Engineering Works (Marine), Real Estate Ex. bldg
FERRYSBURG—Johnston Bros.
GRAND RAPIDS—Central Boiler & Supply Co.
Leitelt Adolph Iron Works
ISHPEMING—Cole W. T.
JACKSON—Crowley Boiler Works
KALAMAZOO—Clark Engine & Boiler Co. (Horizontal & Vertical)
Dutton C. H. Co.
MANISTEE—Manistee Iron Works Co.
MENOMINEE—Fernstrum Frank G
MUSKEGON—Muskegon Boiler Works (Also Marine)
Rodgers Boiler & Burner Co.
OWOSSO—Owosso Boiler Works
SAGINAW—Bartlett A. F. & Co.
Jackson & Church Co.
Wickes Boiler Co., The
ST. JOHNS—Richmond & Holmes

MINNESOTA.

DULUTH—Clyde Iron Works Sales Co. (Vertical, Jobbers)
See adv index at end of book
Gogebic Steam Boiler Works
FERGUS FALLS—Fergus Iron Works Co.
MANKATO—Mankato Mfg. Co.
MINNEAPOLIS—Bros Wm. Boiler & Mfg. Co., Nic Island
ST. PAUL—Kenny Boiler & Mfg. Co., 6th & Locust
Robertson J. G., 2542 University av
THIEF RIVER FALLS—Johnson Peter
WINONA—Winona Boiler Co.

MISSISSIPPI.

CORINTH—Adams W. T. Machine Co.
VICKSBURG—Robinson B. J.

MISSOURI.

JOPLIN—United Iron Works Co.
KANSAS CITY—City Boiler & Machine Co., 511 N 4th
ST. JOSEPH—Augustine T. C.
ST. LOUIS—Nooter Jno. Boiler Works Co., 1400 S 2nd
O'Brien John Boiler Works Co., 11th & Mullanphy
Rohan John A. Boiler Works Co., 913 La Beaume
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av
Wangler Joseph F. Boiler & Sheet Iron Works, Federal Reserve Bk bldg.

MONTANA.

ANACONDA—Anaconda Copper Mining Co.
BUTTE—Western Iron Works

NEBRASKA.

FREMONT—Fremont Foundry & Machine Co.
LINCOLN—McAlpine A.
OMAHA—Drake-Williams-Mount Co.

NEW HAMPSHIRE.

NASHUA—Nashua Steam Press & Boiler Wks.

NEW JERSEY.

CAMDEN—New York Shipbuilding Co. (Marine)
Camden Boiler Wks., Inc.
DOVER—**DOVER BOILER WORKS.**
See adv index at end of book
EAST ORANGE—Lippincott A. C. (High Pressure)
ELIZABETH—Elizabeth Machine & Iron Works
HOBOKEN—Fletcher W. & A. Co. (Marine, etc)
JERSEY CITY—Griscom-Russell Co. (Repairs & Installations also), 72 York *See adv index at end of book*
McLaughlin Thomas, 53 Essex
Smith Theo. & Sons Co. (Stationery, Marine & Return Tubular), ft Essex
NEWARK—Bradley John, 317 Ferry
Gumz Herman Boiler Works, 7 Greenwood Lake R R av
Hewes & Phillips Iron Works, 8 Orange
McCabe Boiler Works, 195 Commerce
NEW BRUNSWICK—Prospect Boiler Co.
PATERSON—East Jersey Pipe Corp.
Leslie, Elliott & Co.
Smith Samuel & Son, 130 R R av
PERTH AMBOY—Perth Amboy Dry Dock Co. (Marine or Stationary)
PHILLIPSBURG—Tippett & Wood
RED BANK—Roberts Safety Water Tube Boiler Co.

NEW YORK.

ALBANY—Nicholson Aaron
Skinner & Arnold
AMSTERDAM—Collins J. H. Boiler Co.
BINGHAMTON—Shapley & Wells
BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—Cousins J. D. & Son Boiler Works, 326 Hopkins & 74 Wabash
Farrar & Trefts, Inc.
Howard Bros. Boiler Works, 23 Indiana
Oldman-McGee Boiler Works, 38 Illinois
Tashenberg Bros., 43 Illinois
CLYDE—Wood S. W. Engine Co.
ELMIRA—Elmira Boiler & Iron Works
GENEVA—Geneva Boiler Works
GREEN ISLAND—Pinkerton Rachael (Estate of)
HUDSON—Delaney M. B.
JAMESTOWN—Jamestown Boiler Works
KINGSTON—Cullum J. & Co.
LONG ISLAND CITY—(See New York City, Borough of Queens)
MORRIS HEIGHTS—Gas Engine & Power Co. & Chas. L. Seabury Co. (Marine & Stationary)
NEWBURGH — **ABENDROTH & ROOT MFG. CO.** ("Root")
See adv index at end of book
Delany P. & Co. (Marine, etc)

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Atlantic Basin Iron Works, 168 Van Brunt
Cunningham Christopher Co., 437 Greenpoint av
Donohue's P. J. Sons, 108 Wallabout
Franklin Machine & Steam Boiler Works, 88 Quay
Hall & Hurlbert, 129 25th
McGibbon Engineering & Iron Works, 14 Columbia
Manton, John, 812 8th av
Meyer Otto C. & Co., 30 Franklin
Robins Dry Dock & Repair Co., Beard
Simpson Robert, 220 Russell

Boroughs of Manhattan and Bronx.

NEW YORK—**AMES IRON WORKS** (Horizontal & Upright Tubular, Portable on Skids or Wheels, "Empire"), 41 E 42d
Anaconda Copper Mining Co., 25 B'way
BEGGS JAMES & CO. (Self Contained), 30 Warren
See adv index at end of book

BOILERS
A. S. M. E.

Horizontal Tubulars
8 to 250 Horse Power

Self Contained
20 to 150 Horse Power

Vertical
1½ to 150 Horse Power

JAMES BEGGS & CO.
30 Warren Street
NEW YORK

Telephone 5040 Barclay

Clyde Iron Works Sales Co. (Jobbers), 141 Centre
See adv index at end of book
DOVER BOILER WORKS, Sales Office: 40 Church. Works: Dover, N. J. *See adv index at end of book*
Fogarty Michael, 531 W 33d
Godfrey-Keeler Co., 70 Warren
Gorton & Lidgerwood Co. (Sectional), 96 Liberty
GRANGER CO. A. D., 17 Park Row, *See adv index at end of book*
Greenlie-Halliday Co., 499 Water
Harrisburg Star Boiler Corp., 15 Park Row
Helpershausen Bros., 43 Tomkins
Mitchell Co. (Marine), 621 W 24th
Nason Mfg. Co., 71 Fulton
Nichols D. M. Iron Works, 2 Gouverner sl
Olney Geo. H. & Co., Inc., 50 Church
PENNSYLVANIA BOILER WORKS, (Multitubular), Export Dept., 43 Cedar, New York
Quintard Iron Works Co., 40 Wall
Reid Alex & Co., 165 Charles
Smith A. & Son, 685 11th av
Worthington Watertube Boiler Co., 144 W. 39

Borough of Queens.

LONG ISLAND CITY—Collins Wm. P. Co., 134 Franklin

Borough of Richmond

STATEN ISLAND—Staten Island Shipbuilding Co., 3075H Richmond Terrace, Mariners' Harbor.
(End of New York City)
NYACK—Kane John
Ofeldt Gas Fired Boiler Co., Inc. (Gas Fired)
OSWEGO—Carroll Chas.
Kingsford Fdry. & Machine Works. (Scotch Boilers)
PHELPS—Collins Iron Works
ROCHESTER—Hall's Sidney Sons
SYRACUSE—Hennessy Dennis
Mack Bros., 409 Marcellus
Perry Jno. W. & Sons
Syracuse Boiler Works Co.
TONAWANDA—American Engine & Boiler Works
Gillie Machine Co.
UTICA—O'Hanlon Thos. & Sons
Utica Heater Co. ("Utica-Imperial Super Smokeless")
Utica Steam Engine & Boiler Works
WELLSVILLE—McEwen Bros.

NORTH CAROLINA.

CHARLOTTE—Liddell Co.
Mecklenburg Iron Works

NORTH DAKOTA.

CASSELTON—Sorenson Gilbert
FARGO—Craig Bros.
Fargo Foundry Co.

OHIO.

AKRON—Star Drilling Machine Co.
BARBERTON—Babcock & Wilcox Co. (See New York City)
BUCYRUS—Kelly Mfg. Co.

IF YOU DON'T FIND IT IN
HENDRICKS'
write to our SERVICE BUREAU

CINCINNATI—Houston, Stanwood & Gamble Co. ("Stanwood" Fire Tube Boiler), 3rd & Phila.
Tudor Boiler Mfg. Co. (Tubular, Horizontal & Vertical), 715 E. 3d
CLEVELAND—American Ship Building Co. (Marine), ft of W 54th
CONNELLY D. BOILER CO. (All Kinds), Ivanhoe rd & N. Y. & St. L. R. R.
See adv index at end of book
Cuyahoga Boiler Works, 1206 Main av
Lake Erie Boiler Works, 2503 Elm av
Ohio Machine & Boiler Co., 1510 University Rd
Teachout H. E. Boiler Works, E 37th & Erie R. R.
Variety Iron & Steel Works Co., Hamilton av & E 40th
COLUMBIANA—Columbiana Boiler Co.
COLUMBUS—Borger Bros. Co., 257 W Spring
Columbus Steam Boiler & Heater Co.
Eaton Machine Works, 37 S Scioto
COVINGTON—Crampton & Son
DAYTON—Brownell Co. (Portable, Vertical & Return Tubular)
Gem City Boiler Co., 331 Leo
FREMONT—Fremont Steam Boiler Works
LEETONIA—Fabricated Steel Products Corp., Box 505
LIMA—Golley & Finley Iron Works
LORAIN—American Ship Building Co. (Marine)
LOWELLVILLE—Meehan Boiler & Const. Co.
MARIETTA—Pattin Bros. Co.
MIDDLEPORT—Middleport Boiler Works
NEWARK—Scheidler Machine Works Co.
Tucker & Son Boiler Works
SPRINGFIELD—Casey D. L. Machine Co.
Leffel Jas. & Co. (Stationary, Portable, Horizontal & Vertical), East
Roberts Thomas
TIFFIN—Conley T. F.
Healy Michael
Loos Adam
Skelton Joseph L Engineering Co., Front
Toledo Ship Building Co. ("Bordeaux") (Marine)
WARREN—Warren City Tank & Boiler Co. (The)
See adv index at end of book
WELLSVILLE—Fasset J. E. Boiler Works
ZANESVILLE—Griffith & Wedge Co.

OKLAHOMA.

ARDMORE—Peerless Steel Co.
TULSA—Tulsa Boiler & Machy. Co.

OREGON.

ALBANY—Albany Iron Works
PORTLAND—East Side Boiler Works (R. W. Orewiler, Prop), ft of E Main
Interstate Boiler Works, 14th & Quimby
West Coast Iron & Steel Works, Inc., 485 N. 28th
Willamette Iron & Steel Works, Foot of Front

PENNSYLVANIA.

ALLENTOWN—Allentown Boiler Works, 332 Walnut
Heilman Boiler Works
McDermott Bros., 3rd & Washington
BEAVER FALLS—Beaver Valley Boiler Works
BRADFORD—Bovaird & Co.
Bovaird & Seyfang Mfg. Co. ("Electric" Locomotive Type), Main
CHESTER—Berry Engineering Co. ("Berry" Safety)
COLUMBIA—Columbia Boiler Works
CONNELLSVILLE — Connellsville Iron Works
CONSHOHOCKEN—Bate Wm. T. & Son
CORRY—Corry Steam Boiler Works
EAST STROUDSBURG — International Boiler Works Co.
ERIE—American Boiler Works
Erie City Iron Works ("Economic" Stationary, Return Tubular, etc.)
Erie Engine Works
Nagle Engine & Boiler Works
Pa. Boiler Wks. (& Multitubular)
Union Iron Works
FRANKLIN—Jones R. E. & Co.
HAMBURG—Hamburg Boiler Works
HOLLIDAYSBURG—Madden Boiler Wks.
KENNETT SQUARE—American Road Machinery Co. (Portable & Stationary)
LANCASTER—Bell Boiler & Iron Co.
MONONGAHELA — Monongahela Boiler Works
NEW CASTLE—Fleming's Wm. Sons
OAKDALE—Kinney F.
OIL CITY—**OIL CITY BOILER WORKS** (Heating)
Ravey Joseph H.
PETROLIA—Barney H. M.
PHILADELPHIA—Baizley John Iron Works, 514 S Delaware av
Coatesville Boiler Works (Return Tubular, Stationary, Vertical, etc.), 111 S 15th, Philadelphia, Pa.
Cox & Sons Co., 5th & Chestnut
Cramp Wm. & Sons Ship & Engine Building Co. (Marine), Beach c Ball
Goldner Henry Boiler & Tank Wks., Water & Mifflin
Lebanon Boiler Works (Return Tubular, Locomotive, Vertical, etc.), Harrison bldg
McGovern & Smith, 2046 E Lehigh av
Machold & Riddell, Stephen Girard bldg
Morris I. P. Co., Richmond & Norris
Quaker City Iron Works, Tioga & Richmond
Uniflow Boiler Co., Harrison bldg
PHOENIXVILLE—Heine Safety Boiler Co.
PITTSBURGH — Dravo Contracting Co., 1100 Diamond Bank bldg
Lappan Jas. Mfg. Co., 20th & Pike
Munroe R. & Sons Mfg. Corporation (Horizontal), 23d & Smallman
Oil Well Supply Co., 215 Water
Pearson Mfg. Co., 800 Beaver
Rees James & Sons Co., 18 4th
POTTSTOWN—Sotter Bros.
PUNXSUTAWNEY—Punxsutawney Boiler Works
READING—Orr & Sembower (Vertical, Horizontal & Locomotive)
Penn Boiler & Machine Works
Reading Scale & Machine Co.
SHARPSVILLE—Sharpsville Boiler Works Co.
TATAMY—Messinger Mfg. Co. (Low Pressure)
TITUSVILLE—Titusville Iron Co. (Horizontal, Tubular & Fire Box)
TROY—Troy Engine & Machine Co.
TYRONE—Reader Bros. & Hoffman
WAYNESBORO—Frick Co.
WILKES-BARRE—Vulcan Iron Works
WILLIAMSPORT—Keeler E. Co. ("Keeler"), 238 West
YORK—Farquhar A. B. Co., Ltd. ("Farquhar")
Hench & Dromgold ("H. & D.")
Motter's Geo. F. Sons

RHODE ISLAND.

PROVIDENCE—Wholey Boiler Works, 95 Whipple

SOUTH CAROLINA.

CHARLESTON—Charleston Dry Dock & Machine Co.
Riley John F. Fndry. & Mach Co., Dept. H

SOUTH DAKOTA.

SIOUX FALLS—Harding B. W.
WATERTOWN—Hanten Machine Co.

TENNESSEE.

CHATTANOOGA—Casey-Hedges Co.
Chattanooga Boiler & Tank Co., 1011 E. Main
Lookout Boiler Mfg. Co. (Horizontal)
Walsh & Weidner Boiler Co.
JACKSON — Southern Engine & Boiler Mfg. Co.
JOHNSON CITY—Johnson City Boiler & Tank Co.
MEMPHIS—Memphis Boiler Works, 18 Poplar
Shea Daniel Boiler Works, 1106 Kansas
Southern Boiler & Tank Works, 1275 Thomas
NASHVILLE—Culberts Wm. Sons, 127 2d av

TEXAS.

BEAUMONT—Beaumont Iron Works Co.
Dollinger John Jr., Inc. (Oil Country)
FORT WORTH—Van Zandt Iron Works
GALVESTON—McDonough Iron Works
HOUSTON—Finucane Boiler Works
Hartwell Iron Works
Tofte Boiler & Sheet Iron Works
SAN ANTONIO—Alamo Iron Works
SHERMAN—Washington Iron Works

UTAH.

SALT LAKE CITY—Salt Lake Engineering Works
Salt Lake Iron & Steel Co.

VERMONT.

RUTLAND—Holmes Iron Co.

VIRGINIA.

BERKELEY—Old Dominion Marine Railway
BRISTOL—Twin City Boiler Works, Inc. (Also Boiler Repair Work)
NEWPORT NEWS—Newport News Ship Building & Dry Dock Co.
RICHMOND—McCabe Geo. & Son.

WASHINGTON.

BELLINGHAM—Reid Bros. Co.
EVERETT—American Boiler & Iron Works
Sumner Iron Works
HOQUIAM—Hoquiam Steam Boiler Works
OLYMPIA—Sofe James
SEATTLE—Commercial Boiler Works (Fox & Jenkins, Props.)
Puget Sound (Marine & Stationary), Machinery Depot, 318 1st av
Seattle Boiler Works (Frank Hopkins, Prop)
Standard Boiler Works (Marine, Stationary & Locomotive)
Washington Iron Works Co.
Western Engineering Corp., Spokane & E. Marginal Way
SPOKANE—Brown Bros., 316 Riverside
Union Iron Works, 217 E Montgomery
TACOMA—Birchfeld Boiler Co.
Brear S. D. & Son

WEST VIRGINIA.

CHARLESTON—South Side Fdry. & Machine Works
Ward Chas. Engineering Works
HUNTINGTON—Coughenour E. C. Co.
MANNINGTON—Haugh T. M.
WHEELING—Bryan & Bippus

WISCONSIN.

APPLETON — Northern Boiler & Structural Iron Works
ASHLAND—Sanders Robt. E.
GREEN BAY—Hartman-Greiling Co.
JANESVILLE—Ambrose F. O.
JUNEAU—Brieman C. G.
LA CROSSE—La Crosse Boiler Co.
MANITOWOC — Manitowoc Boiler Works Co. (Marine, Stationary, etc)
MARINETTE—Marinette Boiler Works
MILWAUKEE—American Boiler Works (Jos. Buxbaum, Prop), 287 Virginia
Cream City Boiler Co., 37th av & Lapham
Mertes-Miller Co., 239 Lake
Meyer Geo. J. Mfg. Co., 598 Clinton
Milwaukee Boiler Co., 220 Oregon
Milwaukee Reliance Boiler Works, 1102 32d
Murphy Boiler Co., 153 Barclay
Schwab-Le Zotte Boiler Co., 16th & Canal
OSHKOSH—Battis Bros.
RACINE—**FREEMAN MFG. CO.** (Horizontal)
See adv index at end of book
SHEBOYGAN — Optenberg Iron Works (Stationary & Marine)
SUPERIOR—Northwestern Boiler Works
TOMAHAWK—Tomahawk Steel & Iron Works
WAUSAU—Wausau Iron Works
WEST DE PERE—De Pere Mfg. Co.

1040— Boilers (Vertical)

Augustine T. C., St. Joseph, Mo.
Babcock & Wilcox Co. (The), 85 Liberty, New York
Bass Foundry & Machine Co., Ft. Wayne, Ind.
Beggs James & Co., 30 Warren, New York
See adv index at end of book
Bigelow Co. ("Manning"), New Haven, Conn.
Broadfoot Iron Works, ft of Church, Wilmington, N. C.
California Boiler Works, 526 Howard, San Francisco, Cal.
Charleston Dry Dock & Machine Co. (Scotch), Charleston, S. C.
Charleston Iron Works, Charleston, S. C.
Coatesville Boiler Works, 111 S 15th, Philadelphia, Pa.
Creamery Package Mfg. Co. ("Little Giant"), 61 W Kinzie, Chicago, Ill.
Dravo Contracting Co., 1100 Diamond Bank bldg., Pittsburgh, Pa.
Dundon Iron Works, 225 Folsom, San Francisco, Cal.
Gem City Boiler Co., 331 Leo, Dayton, O.
Gerdes & Co., 42 Church, New York
See adv index at end of book
International Boiler Works Co., East Stroudsburg, Pa.
Keeler E. Co. ("Keeler"), 238 West, Williamsport, Pa.
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
Lombard Iron Works & Supply Co., Augusta, Ga.
Lookout Boiler Mfg. Co., Chattanooga, Tenn.
New Haven Boiler Works, Inc., 37 Mill, New Haven, Conn.
Northern Boiler & Structural Iron Wks., Appleton, Wis.
OCEAN SHORE IRON WORKS, 550 8th, San Francisco, Cal.
Pennsylvania Boiler Wks., Export Dept., 43 Cedar, New York
Riley John F. Fndry. & Mach. Co., Charleston, S. C.
Smith & Watson Iron Wks., 400 Front, Portland, Ore.
Taylor Iron Works & Supply Co., Macon, Ga.
Toomey Frank Inc. (Dealers), 127 N 3rd, Phila., Pa.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Wickes Boiler Co. (The), (Water Tube), Saginaw, Mich.

1041— Boilers (Wash)

Aldrich Mfg. Co. (Tin & Planished Copper), 57 Illinois, Buffalo, N. Y.
Atlantic Stamping Co. (Charcoal Tin, Copper Bottoms, etc), 156-180 Ames, Rochester, N. Y.
Behrens H. Mfg. Co. ("Never-Bend"), Winona, Minn.
Bethlehem Shipbuilding Corporation, Ltd., Bethlehem, Pa.
Central Stamping Co. ("Puritan"), 206 B'way, New York
Coonley Mfg. Co. ("Clyde"), Cicero, Ill.
Fries Geo. Sons, 222 S Front, Phila., Pa.
GEUDER, PAESCHKE & FREY CO. (Copper, Galvanized & Tin), 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Herbst Bros. ("Mission Maid"), 1939 H Mission, San Francisco, Cal.
Lalance & Grosjean Mfg. Co., 299 Broadway, New York
Lawrence, Bostwick Mfg. Co., Ltd., Phelps, N. Y.
Loafea S. (All Sizes), 5740 Elizabeth, Oakland, Cal.

(Continued on following page)

BOLTS NUTS SCREWS

MILLDALE, CONN.
CLARK BROS
BOLT CO.

SPECIALS A SPECIALTY

CLARK BROS. BOLT CO., Milldale, Conn.

70 Years in the Business

Boilers (Wash)—Continued

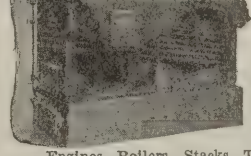
McAleer E. J. & Co. ("McAleer"), 1422 N 8th, Phila., Pa.
Mosheik Philip ("Mosheik"), 1108 S Halsted, Chicago, Ill.
National Enameling & Stamping Co., (Copper, Galvanized & Tin), 411 5th av, New York
New England Enameling Co., Middletown, Conn.
Nichthauser & Levy, 252 Java, Brooklyn, N. Y.
Pacific Stove & Stamping Co., Idaho & Duwanish av, Seattle, Wash.
Peoria Can Co., Peoria, Ill.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Pittsburgh Tinware Mfg. Co. ("Tinco"), Bidwell, Pittsburgh, Pa.
Pritchard Stamping Co. ("Prisco," "Tiger"), Rochester, N. Y.
Ray Geo. A. Mfg. Co. (Copper & Brass), 1495 Niagara, Buffalo, N. Y.
Republic Metalware Co. ("Republic"), 100 Alabama, Buffalo, N. Y.
Rochester Can Co. ("Iron Horse," Galvanized & Tin, Non-Rust, Metallic Bottom, Copper Bottom), 89 Hague, Rochester, N. Y.
Rochester Stamping Co., Rochester, N. Y.
Rome Mfg. Co. ("Rome"), Rome, N. Y.
Schaffer Tinware Mfg. Co., 76 Sedgwick, Brooklyn, N. Y.
Schlueter Mfg. Co., Broadway & John av, St. Louis, Mo.
Southern Co-Operative Foundry Co., Rome, Ga.

1041a— Boilers (Waste Heat)

Coatesville Boiler Works, 111 S 15th, Philadelphia, Pa.
Edge Moore Iron Co., Edge Moore, Del.
Freyn Brassert & Co., 310 S Michigan av, Chicago
Heine Boiler Co., 5319 Marcus av, St. Louis, Mo.
Oil City Boiler Works, Oil City, Pa.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.
Wickes Boiler Co. (The), Saginaw, Mich.

1042— Boilers (Water Tube)

ABENDROTH & ROOT MFG. CO. ("Root"), Newburgh, N. Y.
See adv index at end of book
Almy Water Tube Boiler Co., 184 Allens av, Providence, R. I.
American Boiler & Iron Works ("Molander"), Everett, Wash.
BABCOCK & WILCOX CO. (THE), ("B. & W.," "Rust," "Stirling"), 85 Liberty, New York
Boston, 49 Federal
Philadelphia, North American bldg
Pittsburgh, Farmers Deposit Bank bldg
Cleveland, Guardian bldg
Chicago, Marquette bldg
Cincinnati, Traction bldg
Atlanta, Candler bldg
Tucson, Ariz., 21 S. Stone av
Dallas, Texas, 2001 Magnolia bldg
Detroit, Ford bldg
New Orleans, 521-5 Baronne
Houston, Texas, Southern Pacific bldg
Denver, 435 17th
Salt Lake City, 705-6 Kearns bldg
San Francisco, Sheldon bldg
Los Angeles, 404-6 Central bldg
Seattle, L. C. Smith bldg
Bass Foundry & Machine Co., Ft. Wayne, Ind.
Bath Iron Works, Ltd. ("Normand") Bath, Me.
Bay City Boiler Co., Bay City, Mich.
Bethlehem Shipbuilding Corp., Ltd., 20th & Michigan, San Francisco
Bigelow Co. ("Bigelow-Hornsby"), New Haven, Conn.
Brennan Jno. & Co. ("Detroit"), Dept. H, 24th & M. C. R. R., Detroit, Mich.
Bridgeport Boiler Works Co., 202H Housatonic av, Bridgeport, Conn.
Casey-Hedges Co., Chattanooga, Tenn.
Charleston Dry Dock & Machine Co, Charleston, S. C.
CONNELLY D. BOILER CO. ("Connelly," All Sizes), Ivanhoe rd & N. Y. & St. L. R. R., Cleveland, O.
See adv index at end of book
Crowley Boiler Works, Jackson, Mich.
Cullen Co., Inc., 106 8th av, Clinton, Iowa
Dundon Iron Works, 225 Folsom, San Francisco, Cal.
Edge Moore Iron Co. ("Edge Moore"), Edge Moore, Del.
Engineering Products Co., Rialto bldg, San Francisco, Cal.
See adv index at end of book
Erie City Iron Works (Horizontal & Vertical), Erie, Pa.
Erie Engine Works, Erie, Pa.
FREEMAN MFG. CO., Racine, Wis.
See adv index at end of book
Gas Engine & Power Co., & C. L. Seabury Co. (Seabury Safety, Marine & Stationary), Morris Heights, N. Y.
Granger A. D. Co. ("Oswego" Self Contained), 17 Park Row, New York
See adv index at end of book



OSWEGO
Water Tube Boilers
Internally fired and Self-contained. Occupies smallest space per Horse Power. No brick setting. Straight tubes. Most efficient heating surface. Write for New Bulletin No. 2
A. D. Granger Co.
New York: 17 Park Row
Engines, Boilers, Stacks, Tanks, Heaters.

Harrisburg Star Boiler Corp. ("Harrisburg Star"), 15 Park Row, New York
Heine Boiler Co., 5319 E Marcus av, St. Louis, Mo.
Herreshoff Mfg. Co. (Herreshoff Patent), Bristol, R. I.
Herron R. H. Co., 934 N Alemeda, Los Angeles, Cal.
Hyde Bros. & Co. ("Hyde"),, 331 4th av, Pittsburgh, Pa.
International Engineering Works, Ltd. ("Robb"), Framingham, Mass.
Iron & Steel Contracting Co., 215 San Bruno av, San Francisco, Cal.
Kanawha Mfg. Co. ("Bernhard"), Charleston, W. Va.
KEELER E. CO. ("Keeler"), 238 West, Williamsport, Pa.
Kidwell Boiler & Engng. Co. ("Kidwell Iron-Flo"), 373 Broadway, Milwaukee, Wis.
Kingsford Foundry & Machine Works, Oswego, N. Y.
Kroeschell Bros. Co., 440 W Erie, Chicago, Ill.
Ladd Geo. T. Co., 1st Nat'l Bk. bldg, Pittsburg, Pa.
Llewellyn Iron Wks., 1200H N Main, Los Angeles, Cal.
McAleenan Bros. Co., 25th & A. V. R. R., Pittsburgh, Pa.
Main Iron Works (Horizontal), 16th & Daggett, San Francisco, Cal.
Meehan Boiler & Construction Co., Lowellville, O.
MOHR JOHN & SONS, 96th & Calumet River, Chicago, Ill.
Montague Pipe & Steel Co., Hobart bldg, San Francisco, Cal.
Munroe R. & Sons Mfg. Corp. (Horizontal & Vertical), 23d & Smallman, Pittsburgh, Pa.
Murray Iron Works Co., Central av & Washington, Burlington, Ia.
Murray & Tregurtha Co., H Hancock, Quincy, Mass.
Nagle Engine & Boiler Works (Franklin), Erie, Pa.
Naismith, George & Son, Inc., 6312 Butler, Pittsburgh, Pa.
New York Engng. Co., 2 Rector, New York
O'Brien John Boiler Works Co., St. Louis, Mo.
OCEAN SHORE IRON WORKS, 550 8th, San Francisco, Cal.
O'Dougherty Francis C. ("Economy"), 650 Bedford av, Brooklyn, N. Y.
OIL CITY BOILER WORKS (Power), Oil City, Pa.
Pardel Corp. ("Parker" Downflow), 9th & Sansom, Phila., Pa.
PENNSYLVANIA BOILER WORKS (Export Dept.), 43 Cedar, New York
Pa. Boiler Wks. (& Fire Tube), Erie, Pa.
Puget Sound Machinery Depot, 318 1st av, S
Roberts Safety Water Tube Boiler Co., Red Bank, N. J.
Seattle Boiler Works, 1128 W 45th, Seattle, Wash.
Skelton Joseph L. Engineering Co., Front, Toledo, O.
Smith H. B. Co. ("Aerial," "Gold Pin," Mills, "Sovereign," "H. B." etc.), Westfield, Mass.
Springfield Boiler Co. ("Springfield Sectional") ("Springfield"), Springfield, Ill.
Sumner Iron Wks., Everett, Wash.
Tudor Boiler Mfg. Co., 715 E 3d, Cincinnati, O.
Union Iron Works, Erie, Pa.
Vogt Henry Machine Co. Inc. ("Vogt"), Louisville, Ky.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Walsh's Holyoke Steam Boiler Works, Holyoke, Mass.
Walton C. J. & Son, Louisville, Ky.
Ward Chas. Engineering Works (Marine), Charleston, W Va.
Western Engineering Corp., Spokane & E. Marginal Way, Seattle, Wash.
Wickes Boiler Co. (The) ("Wickes" Horizontal & Vertical), Saginaw, Mich.
Wildman Boiler & Tank Co., 3026 Carroll av, Chicago, Ill.
Worthington Watertube Boiler Co., 144 W 39th, New York

1043—Bolt Header & Shoeing Vise (Combined)

Noyes B. B. Co. (Shoeing), Greenfield, Mass.

1044— Bolts, Nuts & Rivets

See also Sub-classifications of Bolts; also of Nuts; also of Rivets; also of Screws; also of Washers

ALABAMA.

BIRMINGHAM—American Bolt Co. (Bolts Nuts Only)
Republic Iron & Steel Co. (Bolts, Nuts, Rivets, Screws & Washers); Main Office: Youngstown, O.

CALIFORNIA.

SAN FRANCISCO—Judson Mfg. Co., 819 Folsom
Pacific Rolling Mill Co., 17th & Mississippi
Payne's Bolt Works (Bolts, Screws, Washers, etc), 133 Howard
S. F. Steel Products Co., 44 Natoma

COLORADO.

DENVER—Colorado Fuel & Iron Co. (Bolts, Nuts, etc)

CONNECTICUT.

HARTFORD—Atlantic Screw Works
Hartford Machine Screw Co. (Miller Bolts & S. A. E. Standard Bolts & Nuts)
MILLDALE—CLARK BROS. BOLT CO. (Bolts & Nuts)
See adv index at end of book

BOLTS — NUTS — RIVETS

MACHINE CARRIAGE HUB LAG DECK HOT PRESSED COLD PUNCHED MONEL METAL SEMI-FINISHED SPECIAL STRUCTURAL BOILER WAGON BOX SHIP SPECIAL

TURNBUCKLES — UPSET RODS — DROP FORGINGS

MONEL METAL BOLTS BOSS LOCK NUTS BATTERY BOLTS

BAYONNE, N. J. On N. Y. Harbor Formerly Bayonne Bolt & Nut Co.

CHICAGO Boss Nut Division Formerly Boss Nut Co.

COLUMBUS, O. Standard Div. Formerly Standard Bolt Corp.

DETROIT Michigan Div. Formerly Mich. Bolt & Nut Works

WRITE TO NEAREST DIVISION

AMERICAN BOLT CORPORATION

EXECUTIVE OFFICES: WHITEHALL BLDG., N. Y. CITY

NEW BRITAIN—Corbin Screw Corp. (Bolts, etc)
Stanley Works (Steel Door Bolts)
See adv index at end of book
NEW HAVEN—Cowles C. & Co. (Bolts)
Sargent & Co. (Bolts, all kinds), Water & Wald
PLANTSVILLE—Atwater Mfg. Co. (Carriage Bolts)
SHELTON—Bassett D. M. Bolt Works (Bolts)
Specialty Bolt & Rivet Wks., 132 Hillside av
TORRINGTON—Coe Brass Branch (Rivets)
Progressive Mfg. Co. (Rivets to Order Only
WATERBURY — Blake & Johnson Co. (Special Rivets, etc.), 1500 Thomaston av
Steele & Johnson Mfg. Co. (Brass)
Waterbury Brass Goods Corp. (Brass, Copper & Bronze Rivets)
Waterbury Mfg. Co., Division Chase Companies, Inc.
WINSTED—Moore, Franklin Co. (Bolts, Nuts, etc)

ILLINOIS.

CHICAGO—Central Tool & Supply Co. (Dlrs.), 803 W. Madison
Champion Mfg. Co. ("Champion"), 7332 Kimbark
Continental Bolt & Iron Works (Bolts, etc), 2225 W 43d
Crane Co., 836 S Michigan av
See adv index at end of book
Interstate Iron & Steel Co. (Rivets All Kinds), 104 S Michigan av
O'Leary Arthur J. & Son Co., 65th & S 57th av
Paine Company (The) ("Paine" Expansion & Toggle Bolts), 2951 Carroll av
RYERSON JOS. T. & SON, INC., 2558 W. 16th
See adv index at end of book
Sterling Bolt Co. (Jobbers), 707 W Van Buren
MARSEILLES—Moore Joshua (Rivets)
ROCK FALLS—Russell, Burdsall & Ward Bolt & Nut Co. (Bolts, Nuts, Washers, etc)
ROCKFORD—Rockford Bolt Co. (Bolts, Rivets & Nuts), 60 Mill

INDIANA.

ALEXANDRIA—Zeigler Mfg. Co.
GARY—Gary Screw & Bolt Co. (Bolts, Screws, etc)
SHELBYVILLE — Vandergrift & Morris (Bolt & Nut)

MAINE.

PORTLAND—Laughlin Thos. Co., 135 Fore (Bolts & Nuts)
See adv index at end of book

MARYLAND.

BALTIMORE—Armstrong & Parker (Bolts & Washers), 361 Guilford av
Maryland Bolt & Forge Co., Mt. Washington

MASSACHUSETTS.

BOSTON—**EVERITT CO.** ("U. S. Standard" Bolts & Nuts), 267 Franklin
See adv index at end of book
Hill-Smith Metal Goods Co. (Bolts, Nuts & Washers), 82 Brookline av
New England Screw Co., 44 Farnsworth
Rawles Jas. D. Co. (Screw Bolts), 113 Broad
Standard Rivet Co., 41 Lincoln
Tubular Rivet & Stud Co. (Rivets), 87 Lincoln
EVERETT—New England Bolt Co. (Bolts, Nuts & Washers)
FRAMINGHAM—Framingham Screw Wks. (Wild Nuts)
TAUNTON—Nelson Rivet Co. (Brass, Copper & Iron Rivets)
Taunton Rivet Works (Rivets & Washers)
WORCESTER—Reed & Prince Mfg. Co. (Bolts, Nuts & Rivets)
Smith Thos. Co., 288 Grove (Bolts, Nuts & Washers)

MICHIGAN.

DETROIT—Detroit Nut Co., Hubbard av & M. C. R. R.
Detroit Screw Works (Bolts & Nuts)

MISSOURI.

KANSAS CITY—Kansas City Bolt & Nut Co. (Bolts, Nuts, Rivets & Washers), Sheffield Station
ST. LOUIS—American Car & Foundry Co., Syndicate Tr. bldg
Moran Bolt & Nut Mfg. Co. (Bolts, Nuts, Rivets, Screws & Washers), 1st & Florida
St. Louis Screw Co. (Bolts & Nuts, Black & Galvanized), Clarence av E.

NEW JERSEY.

HARRISON—Harrison Bolt & Nut Co.
JERSEY CITY—Ames W. & Co. (Bolts, Nuts, etc), Communipaw av
NEWARK—Hartley Screw Products Co., Poinier
Newark Rivet Works (Rivets), 262 Lafayette
PHILLIPSBURG—Galvanized Products Co.

NEW YORK.

BUFFALO—Bell David Co., Inc. (The) (Bolts, Nuts, Turned & from Bar Stock), 1555 Fillmore av
See adv index at end of book
Niagara Screw Co. (Bolts, Nuts & Screws), 20 Lock
NORTH TONAWANDA—Buffalo Bolt Co.

NEW YORK CITY.

Borough of Brooklyn.
BROOKLYN—Gaskell Wm. & Son (Bolts), 59 Freeman
SMITH DAVID H. & SONS, foot of 51st
See adv index at end of book
Stimpson Edwin B. Co., 68 Franklin av
See adv index at end of book
Trum E. J., Inc., 57 3rd

Boroughs of Manhattan and Bronx.
NEW YORK—**AMERICAN BOLT CORP.,** Whitehall bldg
See adv index at end of book
American Bridge Co., 30 Church
American Car & Foundry, 165 B'way
Arghis M. J. & Co., 432 4th av
Fairbanks Co. (Bolts of all kinds), 416H Broome
Fisher C. W., 52H Broadway
Greenlie-Halliday Co. (Bolts, Nuts, Rivets & Washers), 499 Water
IGOE BROTHERS (Rivets), Canal & Lafayette, New York
See adv index at end of book
Selikowitz S. D. (Mill Agent), 90 West
Topping Bros., 156 Varick
See adv index at end of book

Bolts Machine Carriage Stove
Nuts Hot Pressed Cold Punched Brass
Rivets Boiler Structional Tinners

TOPPING BROTHERS
156 VARICK STREET, NEW YORK

Borough of Queens
MASPETH—Merrill Bros., 3 Arnold
See adv index at end of book

(End of New York City)
NORTH TONAWANDA—Buffalo Bolt Co.
PORT CHESTER—Russell, Burdsall & Ward Bolt & Nut Co.
POUGHKEEPSIE—Anchor Bolt & Nut Co.
ROME—Rome Brass & Copper Co. (Copper Rivets & Washers, etc)
TROY—Burden Iron Co. (Rivets)

OHIO.

AMHERST—U. S. Automatic Co. (Bolts & Nuts)
BEREA—Ohio Nut & Bolt Co.
CINCINNATI—Elden T. G. (Nuts, Rivets, etc), 115 Sycamore
CLEVELAND—Atlas Bolt & Screw Co. (Bolts, Nuts, Rivets, Screws, etc.), 1130 Ivanhoe rd
Bourne Fuller Co., Hanna bldg
Carlin Anthony Co., 2717 E 75th
Champion Rivet Co. (Rivets), Harvard av & E. 108th
Eagle Bolt & Forging Co. (Bolts & Rivets), 1435 E. 45th
Foster Bolt & Nut Mfg. Co. (Bolts, Nuts, Screws, etc), Union av & E 72d
Kirk-Latty Mfg. Co. (The) (Bolts, Rivets, etc.), 8500 Madison av
See adv index at end of book
Lake Erie Bolt & Nut Co., 915H E 83rd
Lamson & Sessions Co. (Bolts, Nuts & Rivets), 2188 Scranton rd S W
National Acme Co. (Bolts & Nuts), 7500 Stanton av S. E.
National Screw & Mfg. Co. (Bolts, Nuts & Rivets), 2440 E 75th
See adv index at end of book
Peerless Automatic Machine Co., 1962 W. 77th
Steel Products Co., 2196 Clarkwood av
Superior Screw & Bolt Mfg. Co., 3650H E 93d
COLUMBUS—Berry Bros. (Bolts, Nuts & Rivets)
Columbus Bolt Works Co. (Bolts, Nuts, Rivets, Screws & Washers)
ELYRIA—Western Automatic Machine Screw Co. (Bolts, Nuts, etc)
KENT—Falls Rivet Co.
YOUNGSTOWN—**REPUBLIC IRON & STEEL CO.** (Bolts, Nuts, Screws & Washers)
See branch offices alphabetical section

OREGON.

PORTLAND — North Pacific Spike Co. (Bolts), 272 Hoyt
Portland Bolt & Mfg. Co., 210 N 14th
Portland Galvanizing Wks., 22nd & Reed

PENNSYLVANIA.

BUTLER—Butler Bolt & Rivet Co.
JOHNSTOWN—Cambria Steel Co. (Bolts, Nuts & Rivets). Main Office: Phila., Pa.
LEBANON—American Iron & Steel Mfg. Co. (Bolts, Nuts, Rivets & Washers)
Lebanon Iron Co., Dept. H
NORRISTOWN—American Equipment Co. (Bolts, Nuts, etc)
Reading Screw Co. (Stove & Tire Bolts)
PHILADELPHIA—Ankyra Mfg. Co. (Anchor Bolts), Wayne Junction
Cattie J. P. & Bros. (Galvanized), Gaul & E. Letterly
FOSTER MFG. & SUPPLY CO., 20th & Venango
Haydon A. & M., 304 N. 22nd
McGookin D. H., 1630 N. 9th
Skelly Thos. P. Bolt Co. (Bolts Only), 24th & Carlton
Standard Shop Equipment Co., Inc. ("Cad" Bolts), Dept. H, 82nd & Tinicum

(Continued on following page)

Bolts, Nuts & Rivets—Continued

PITTSBURGH—Colonial Supply Co., 217 Water *See adv index at end of book*
Flannery Bolt Co. ("F. B. C."), Vanadium bldg
Graham Nut Co.
Hubbard & Co. (Bolts, Nuts, etc), 63d & Butler
Hussey C. G. & Co. (Rivets, Copper), 2850 2nd av
Lanz M. Bolt Co., 2907H Carson
National Bolt & Nut Co. (Bolts, Nuts), 62nd & A. V. R. R.
Oliver Iron & Steel Co. (Screws & Washers), S 10th & Muriel
Pittsburg Knife & Forge Co. (Large Bolts, Rivets, etc), Ridge & Chateau
Pittsburg Rivet Co., 38th & Junction R R
Pittsburgh Screw & Bolt Co., Preble av
Severence S. Mfg. Co. (Rivets, Spikes, etc), 3d
Steel Car Forge Co., Frick bldg
POTTSVILLE—Pottsville Bolt Co. (Bolts & Screws)
SCRANTON—Scranton Bolt & Nut Co. (Bolts, Nuts, Rivets, Screws & Washers)
SOUTH BETHLEHEM—Bethlehem Steel Co.
WEST PITTSBURGH—Garland Nut & Rivet Co.
WILLIAMSPORT—Sweet's Steel Co. (Track Bolts and Nuts)

RHODE ISLAND.

PAWTUCKET—Haskell Wm. H. Mfg. Co. (Bolts & Nuts), 21 Stevens
Pawtucket Mfg. Co. (Bolts, Screws, etc)
Pawtucket Screw Co., 143 Hughes av
PROVIDENCE — American Screw Co. (Bolts & Nuts), 21 Stevens
Eastern Bolt & Nut Co., E Providence
Rhode Island Tool Co. (Bolts, Nuts & Washers)
VALLEY FALLS—Standard Nut & Bolt Co.

TENNESSEE.

ERWIN—Brown A. R. ("Brown's Perfection")

WASHINGTON.

SEATTLE—Ballard Drop Forge Co., 1145 W 46th
Pacific Coast Forge Co., 3800 Iowa

1045—*Bolt, Nut & Rivet Mfrs. (Monel Metal)

AMERICAN BOLT CORP., Whitehall bldg, New York *See adv index at end of book*
Autoscrew Co., 355 W B'way, New York *See adv index at end of book*
Western Screw Products Co., 19 St. George, St. Louis, Mo.

1046— Bolt & Screw Cases

American Bolt & Screw Case Co. (Revolving), Dayton, O.
Eclipse Mfg. Co. (Sectional Revolving), Wellston, O.
Green A. H. Co., 103 Park av, New York
Heller W. C. & Co., Montpelier, O.
Hobart Bros., Troy, N. Y.
Lyon Metallic Mfg. Co. ("Lyon" Steel), Aurora, Ill.
New Britain Machine Co. (Revolving), 190 Chestnut, New Britain, Conn.
Warren J. D. Mfg. Co., Masonic Temple, Chicago, Ill.

1047—Bolt & Shield (Expansion)

DIAMOND EXPANSION BOLT CO. ("Diamond"), 89 West, New York *See adv index at end of book*
M'CABE HANGER MFG. CO., 426-428 W. 25th, New York *See adv index at end of book*
Paine Co., 2951 Carroll, Chicago, Ill.
Richards-Wilcox Mfg. Co., Aurora, Ill. *See adv index at end of book*

1048— Bolters (Corn Meal)

Gump B. F. Co., 431 S. Clinton
Huntley Mfg. Co., Silvercreek, N. Y.
Robinson H. Mfg. Co., Muncy, Pa.
Sprout, Waldron & Co, Muncy, Pa. *See adv index at end of book*

1049— Bolters (Flour Mill)

Allis-Chalmers Mfg. Co. (& Accessories), Milwaukee, Wis. *See adv index at end of book*
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Robinson H. Mfg. Co., Muncy, Pa.
Sprout, Waldron & Co, Muncy, Pa. *See adv index at end of book*

1050— *Bolters (Universal)

Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Allis-Chalmers Mfg. Co. (With Vibrometer Drive), Milwaukee, Wis. *See adv index at end of book*

1051— Bolts (Anchor)

See also Bolts, Expansion

American Equipment Co., Norristown, Pa.
Ames W. & Co., Woodward, Jersey City, N. J.
Amos Chas. & Co., Inc., 3000 Hart av, Detroit, Mich.
Ankyra Mfg. Co., 144 Berkley, Wayne Junc., Phila., Pa.
Bethlehem Steel Co., So Bethlehem, Pa.
DIAMOND EXPANSION BOLT CO., 89 West, New York *See adv index at end of book*
Galvanized Products Co., Phillipsburg, Pa.
Harrison Bolt & Nut Co., Harrison, N. J.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Kansas City Bolt & Nut Co., Sheffield Station, Kansas City, Mo.
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
Larkin J. K. & Co., 253 Bway, New York *See adv index at end of book*
Maryland Bolt & Forge Co., Mt. Washington, Baltimore, Md.
Merrill Bros., 3 Arnold, Maspeth (Boro of Queens, New York *See adv index at end of book*
Pittsburg Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Pittsburgh Rivet Co., 38th & Junction R R, Pittsburgh, Pa.
Republic Structural Iron Wks. Co., 1350 E 53d, Cleveland, O.
St. Louis Screw Co., Clarence av E., St. Louis, Mo.
Star Expansion Bolt Co. ("Star" & "Sebco"), 145 Cedar, New York
Starke Adolph (Est. of), Columbia & Signourney, Brooklyn, N. Y.
United States Expansion Bolt Co., 25 Elm New York

1052— Bolts (Automatic)

Bolles Wm. B., P. O. Box 600M, Milwaukee, Wis.
Stanley Works, New Britain, Conn. *See adv index at end of book*
V & S Automatic Bolt Co. (Bearings for Automobiles, etc.), 1455 W Austin av, Chicago, Ill.

1053— Bolts (Automobile)

(Names with * also manufacture Monel Metal)

American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
Atlas Bolt & Screw Co., 1130 Ivanhoe rd. Cleveland, Ohio
*Beckley Perforating Co., Garwood, N. J.
Bethlehem Steel Co., Bethlehem, Pa.
Bourne-Fuller Co., Hanna bldg, Cleveland, Ohio
CLARK BROS. BOLT CO., Millidale, Conn. *See adv index at end of book*
*Cleveland Wire Cloth Co., Cleveland, O.
Cleveland Wrought Products Co., W 58th & L. E. Belt Line, Cleveland, O.
*Hendricks Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 DeKalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall, New York (See insert under Monel Metal) *See adv index at end of book*
*Jelliff Mfg. Corp. C. O., Southport, Conn. *See adv index at end of book*
KIRK-LATTY MFG. CO. (THE), 8500 Madison av, Cleveland, O.
Lake Erie Bolt & Nut Co., 905 E 63rd, Cleveland, Ohio
Lamson Co. (Hub Rim Step Wheel, etc.), 2138 Scranton Road, Cleveland, Ohio
*Magosy & Buscher, 232 Canal, New York
*Munning & Co. A. P., Matawan, N. J.
Reed & Prince Mfg. Co., Dept. H, Worcester, Mass.
Russell, Burdsall & Ward Bolt & Nut Co., Dept. H, Portchester, N. Y.
St. Louis Screw Co., Clarence av E., St. Louis, Mo.
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co. John P., New Haven, Conn.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co. W. S., Cleveland, O.
Western Screw Products Co., 19 St. George, St. Louis, Mo.
Zeigler Mfg. Co., Alexandria, Ind.

1054— Bolts (Automobile Steering Knuckle)

Metal Products Corp., 49 Chesttnut, Weehawken, N. J.
Vahan Products Co., 73rd & St. Clair, Cleveland, O.

Bolts (Barge)

See Bolts, Drift

Bolts (Barn Door)

See Bolts, Door & Window

Bolts (Barrel)

See Bolts, Door & Window

1054a—Bolts (Barrel Builders)

Atlas Bolt & Screw Co., 1130 Ivanhoe Road, Cleveland, O.
Corbin P. & F. ("Corbin"), Dept. H, New Britain, Conn.
Stanley Works, New Britain, Conn. *See adv index at end of book*

1055—Bolts (Belt or Elevator)

(Names with * also manufacture Monel Metal)

American Screw Co., 21 Stevens, Providence, R. I.
Ankyra Mfg. Co., 144 Berkley, Wayne Junct., Phila., Pa.
Atlas Bolt & Screw Co., 1130 Ivanhoe rd. Cleveland, O.
*Beckley Perforating Co., Garwood, N. J.
Bethlehem Steel Co., So Bethlehem, Pa.
Bourne-Fuller Co., Hanna bldg, Cleveland, Ohio
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago, Ill.
CLARK BROS. BOLT CO. (Elevator), Millidale, Conn. *See adv index at end of book*
*Cleveland Wire Cloth Co., Cleveland, O.
Columbus Bolt Works Co., Columbus, O.
Harrison Bolt & Nut Co., Harrison, N. J.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
*Hendrick Mfg. Co., Carbondale, Pa.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
*Howard & Morse, 1197 DeKalb av, Brooklyn, N. Y.
Howe Chain Co., Dept. H, Muskegon, Mich.
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall, New York (See insert under Monel Metal) *See adv index at end of book*
*Jelliff Mfg. Corp. C. O., Southport, Conn.
Jeffrey Mfg. Co., 961 Fourth, Columbus, O. *See adv index at end of book*
Kirk-Latty Mfg. Co. (The), 8500 Madison av, Cleveland, O. *See adv index at end of book*
Lake Erie Bolt & Nut Co., 905 E. 63rd, Cleveland, Ohio
Lamson & Sessions Co., 2138 Scranton rd, S W, Cleveland, O.
Larkin J. K. & Co., 253 Bway, New York *See adv index at end of book*
Link-Belt Company, 300 W 39th, Chicago, Ill. *See adv index at end of book*
*Magosy & Buscher, 232 Canal, New York
Moore & Lorenz Co., 2144 W Fulton, Chicago, Ill.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
Mullins Body Corp., Dept. H, Salem, Ohio
*Munning & Co. A. P., Matawan, N. J.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
St. Louis Screw Co., Clarence av E., St. Louis, Mo.
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co. John P., New Haven, Conn.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co. W. S., Cleveland, O.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Zeigler Mfg. Co., Alexandria, Ind.

1056— Bolts (Bicycle)

(Names with * also manufacture monel metal)

*Beckley Perforating Co., Garwood, N. J.
Clark Bros. Bolt., Millidale, Conn. *See adv index at end of book*
*Cleveland Wire Cloth Co., Cleveland, O.
*Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 DeKalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall, New York (See insert under Monel Metal) *See adv index at end of book*
*Jelliff Mfg. Corp. C. O., Southport, Conn.
*Magosy & Buscher, 232 Canal, New York
*Munning & Co. A. P., Matawan, N. J.
National Acme Co., 7500 Stanton av S E, Cleveland, O.
Reed & Prince Mfg. Co., Dept. H, Worcester, Mass.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co. John P, New Haven, Conn.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co. W. S., Cleveland, O.
Western Screw Products Co., 19 St. George, St. Louis, Mo.
Zeigler Mfg. Co., Alexandria, Ind.

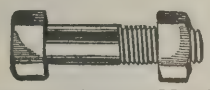
1057— Bolts (Billiard Table)

Atlas Bolt & Screw Co., 1130 Ivanhoe Road, Cleveland, O.
Bethlehem Steel Co., Bethlehem, Pa.
Bourne-Fuller Co., Hanna bldg, Cleveland, Ohio
Cleveland Wrought Products Co., W 58th & W. & L. E. Belt Line, Cleveland, O.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
St. Louis Screw Co., Clarence av E., St. Louis, Mo.

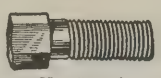
1057a— Bolts (Blank)

American Bolt Co., Birmingham, Ala.
American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
American Equipment Co., Norristown, Pa.
Ames W. & Co., Jersey City, N. J.

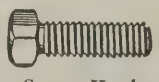
BOLTS—NUTS—SET SCREWS—BUSHINGS—BEARINGS—SPRINGS



Brass and Muntz Metal MACHINE BOLTS
Made from brass or bronze.
Lengths 2 to 12 in.
Diam. ¼ to 1 in.



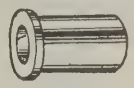
Hex Head CAP SCREW
Made from brass or bronze.
Lengths ¾ to 2½ in.
Diam. ¼ to ½ in.



Square Head SET SCREW
Made from brass or bronze.
All lengths ¾ to 2½ in.
All diam. ¼ to ½ in.



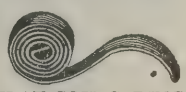
Brass and Muntz Metal LAG SCREWS
Made from brass or bronze.
Lengths 2 to 12 in.
Diam. ¼ to 1 in.



BUSHINGS
Phosphor Bronze.
Outside diam. 1 to 4 in.
Inside diam. ½ to 3 in.
Made from brass or bronze.



WIRE DOOR SPRING



FLAT COIL SPRING

Huge Stock—Prompt Delivery—Merchandise Guaranteed. Goods replaced or money refunded promptly in case of dispute. Send for most complete catalog of its kind in the U. S.

THE EVERITT COMPANY
267 Franklin Street - - Boston 9, Mass.



HEX BRASS NUTS
Made from brass or bronze.
All sizes—
U. S. Standard.



BEARINGS
Phosphor Bronze.
All sizes to fit bushings listed.
Made from brass or bronze.

Atlas Bolt & Screw Co., 1130 Ivanhoe Road, Cleveland, O.
Bethlehem Steel Co., Bethlehem, Pa.
Columbus Bolt Wks. Co., Water & Chestnut, Columbus, Ohio
Graham Nut Co., 1317 W Carson, Pittsburgh, Pa.
Kirk-Latty Mfg. Co. (The), 8500 Madison av, Cleveland, Ohio
See adv index at end of book
Lake Erie Bolt & Nut Co., 905 E 63rd, Cleveland, O.
Lamson & Sessions Co., 2138 Scranton rd, Cleveland, O.
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
Larkin J. K. & Co., 253 Bway, New York
See adv index at end of book
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pittsburgh Screws & Bolt Co., Preble av, Pittsburgh, Pa.
Reed & Prince Mfg. Co., Dept. H, Worcester, Mass.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
St. Louis Screw Co., Clarence av E., St. Louis, Mo.
Scranton Bolt & Nut Co., Scranton, Pa.
Zeigler Mfg. Co., Alexandria, Ind.

When writing to firms listed in this book please mention
HENDRICKS' COMMERCIAL REGISTER

1058—Bolts (Boiler & Boiler Patch)

(Names with * also manufacture Monel Metal)

American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
*Beckley Perforating Co., Garwood, N. J.
Bethlehem Steel Co., So Bethlehem, Pa.
Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
*Cleveland Wire Cloth Co., Cleveland, O.
Detroit Screw Works, 348 Franklin, Detroit, Mich.
DIAMOND EXPANSION BOLT CO. ("Diamond"), 89 West, New York
See adv index at end of book
Harrison Bolt & Nut Co., Harrison, N. J.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
*Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 DeKalb av, Brooklyn, N. Y.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall, New York (See insert under Monel Metal)
See adv index at end of book
Jelliff Mfg. Corp. C. O., Southport, Conn.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
LARKIN & CO. J. K., 253 Broadway, New York
*Magosy & Buscher, 232 Canal, New York
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
*Munning & Co. A. P., Matawan, N. J.
New Haven Screw Co. (Screw Taper Plugs), 199 Foster, New Haven, Conn.
See adv index at end of book
Pawtucket Mfg. Co., Pawtucket, R. I.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Rhode Island Tool Co., Providence, R. I.
Ryerson Jos. T. & Son, Inc., 2558 W. 16th, Chicago, Ill. *See adv index at end of book*
St. Louis Screw Co., Clarence av E., St. Louis, Mo.
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co. John P., New Haven, Conn.
Southern California Iron & Steel Co., E 4th & Mateo, Los Angeles, Cal.
Smith David H. & Sons, foot of 51st, Brooklyn, N. Y.
See adv index at end of book
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co. W. S., Cleveland, O.

1059— Bolts (Boiler Stay)

Bethlehem Steel Co., So Bethlehem, Pa.
Bourne-Fuller Co., Hanna bldg, Cleveland, Ohio
Falls Hollow Staybolt Co., Cuyahoga Falls, Ohio
Flannery Bolt Co. ("Tate" Flexible & "F. B. C."), Vanadium bldg, Pittsburgh, Pa.
Gary Screw & Bolt Co., Gary, Ind.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Lockhart Iron Steel Co., McKees Rocks, Pa.
Maryland Bolt & Forge Co., Mt. Washington, Baltimore, Md.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Republic Iron & Steel Co., Youngstown, O.
See branch offices Alphabetical Section
Ryerson Jos. T. & Son, Inc., 2558 W. 16th, Chicago, Ill. *See adv index at end of book*
St. Louis Screw Co., Clarence av E., St. Louis, Mo.
Western Automatic Machine Screw Co., Elyria, O.

1060—Bolts (Brass, Bronze & Copper)

ACHESON MFG. CO., Rankin, Pa.
See adv index at end of book
AMERICAN BRASS CO., Waterbury, Conn.
See adv index at end of book
Ansonia Mfg. Co. (Brass), R River Road, Ansonia, Conn.
Builders' Iron & Steel Co. (Brass only), 25 Garvey, Boston, Mass.
Columbus Brass Co., 620 Dublin av, Columbus, Ohio
See adv index at end of book
Detroit Screw Works, 348 Franklin, Detroit, Mich.
EVERITT CO., 267 Franklin, Boston, Mass.
See adv index at end of book
Harrison Bolt & Nut Co., Harrison, N. J.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hendricks Bros. (Copper Only), 49 Cliff, New York
Hungerford U. T. Brass & Copper Co. ("Star"), 96 Lafayette, New York
Larkin J. K. & Co., 253 Bway, New York
See adv index at end of book
Moran Bolt & Nut Mfg. Co. (Bronze & Copper Only), 1st & Florida, St. Louis, Mo.
Mutual Electric & Machine Co. (Copper), **232 Fort W, Detroit, Mich.**
National Acme Co., 7500 Stanton av S E, Cleveland, O.
New Haven Copper Co. (Copper only), Seymour, Conn.
Pawtucket Mfg. Co., Pawtucket, R. I.
Phosphor Bronze Smelting Co. (Phosphor Bronze), 2202 Washington av, Phila., Pa.
Rawles Jas. D. Co., 113 Broad, Boston, Mass.
Reading Hardware Co. (Brass), Reading, Pa.
Reed & Prince Mfg. Co., Worcester, Mass.
Rockford Bolt Co. (Brass & Bronze), 60 Mill, Rockford, Ill.
Russell, Burdsall & Ward Bolt & Nut Co., Dept. H, Portchester, N. Y.
St. Louis Screw Co., Clarence av E., St. Louis, Mo.
Whitehead Metal Products Co. of New York, Inc., 261-7 Canal, New York, & 43 N. 7th, Phila., Pa.
See adv index at end of book
Whitehead Metal Products Co., 67-73 **Washington, North Boston, Mass.**
See adv index at end of book
Zeigler Mfg. Co., Alexandria, Ind.

1060a— Bolts (Brass Capped)

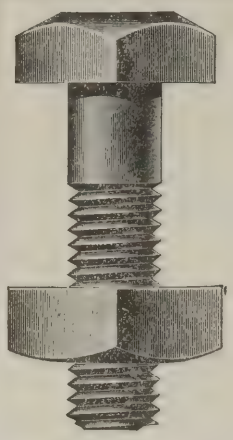
National Screw & Mfg. Co., The, 2440 E 75th, Cleveland, O.
See adv index at end of book

1061—Bolts (Bridge & Structural)

(Names with * also manufacture Monel Metal)

AMERICAN BOLT CORP., Whitehall bldg, New York
See adv index at end of book
Am. Bridge Co., 71 B'way, New York
American Equipment Co., Norristown, Pa.
Ankyra Mfg. Co., 144 Berkley, Wayne Junct., Phila., Pa.
Ballard Drop Forge Co. ("Ballard"), Seattle, Wash.
*Beckley Perforating Co., Garwood, N. J.
Bethlehem Steel Co., So Bethlehem, Pa.
Bourne-Fuller Co., Hanna bldg, Cleveland, Ohio
Buffalo Bolt Co., North Tonawanda, N. Y.
Cleveland City Forge & Iron Co., Cleveland, O.
*Cleveland Wire Cloth Co., Cleveland, O.
Colorado Fuel & Iron Co., Denver, Colo.
Continental Bolt & Iron Works, 2225 W. 43d, Chicago, Ill.
Galvanized Products Co., Phillipsburg, N. J.
Gary Screw & Bolt Co., Gary, Ind.
Gaskell Wm. & Son, 59 Freeman, Brooklyn, N. Y.
Graham Nut Co., Pittsburgh, Pa.
Harrison Bolt & Nut Co., Harrison, N. J.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
*Hendrick Mfg. Co., Carbondale, Pa.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall st, New York. (See insert under Monel Metal)
See adv index at end of book
Jelliff Mfg. Corp., C. O., Southport, Conn.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
Kansas City Bolt & Nut Co., Sheffield Station, Kansas City, Mo.
Kirk-Latty Mfg. Co. (The), 8500 Madison av, Cleveland, Ohio
See adv index at end of book
Lake Erie Bolt & Nut Co., ft of E. 63d, Cleveland, O.
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
Larkin J. K. & Co., 253 Bway, New York
See adv index at end of book
Lebanon Valley Iron & Steel Co., Lebanon, Pa.
*Magosy & Buscher, 232 Canal, New York
McGookin D. H., 1630 N 9th, Phila., Pa.
Maryland Bolt & Forge Co., Mt. Washington, Baltimore, Md.
Merrill Bros., 3 Arnold, Maspeth (Boro of Queens), New York
See adv index at end of book
Milton Mfg. Co., Milton, Pa.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
*Munning & Co., A. P., Matawan, N. J.
New England Bolt Co., Everett, Mass.
Old Dominion Iron & Steel Corp., Belle Isle, Richmond, Va.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pacific Coast Forge Co., 3300 Iowa, Seattle, Wash.
Pawtucket Mfg. Co., Pawtucket, R. I.
Pittsburgh Forge & Iron Co., Chamber of Commerce bldg, Pittsburgh, Pa.

(Continued on following page)

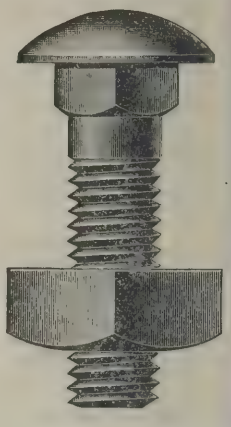


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Bolts (Bridge & Structural)—Continued

Pittsburgh Rivet Co., 38th & Junction R R, Pittsburgh, Pa.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Republic Iron & Steel Co., Youngstown, O.
See branch offices Alphabetical Section
Republic Structural Iron Wks. Co., 1350 E 53d, Cleveland, O.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
Ryerson Jos. T. & Son, Inc., 2558 W. 16th, Chicago, Ill. *See adv index at end of book*
St. Louis Screw Co., Clarence av E., St. Louis, Mo.
ST. PAUL FOUNDRY CO., Como av & Mackubin St. Paul, Minn.
See adv index at end of book
Scranton Bolt & Nut Co., Scranton, Pa.
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co., John P., New Haven, Conn.
Smith A. L. Iron Works, Chelsea, Mass.
Smith Thos. Co., 288 Grove, Worcester, Mass.
Southern California Iron & Steel Co., E 4th & Mateo, Los Angeles, Cal.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co., W. S., Cleveland, O.
Wendt Albert H., 329 Wash., Newpt., Cincinnati, O.

Bolts (Bronze)

See Bolts, Brass & Copper

1062— Bolts (Car)

(Names with * also manufacture Monel Metal)

American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
American Equipment Co., Norristown, Pa.
Ankyra Mfg. Co., 144 Berkley, Wayne Junct., Phila., Pa.
Atlas Bolt & Screw Co., 1130 Ivanhoe Road, Cleveland, O.
*Beckley Perforating Co., Garwood, N. J.
Bethlehem Steel Co., So Bethlehem, Pa.
*Cleveland Wire Cloth Co., Cleveland, O.
Continental Bolt & Iron Works, 2225 W 43d, Chicago, Ill.
Foster Bolt & Nut Mfg. Co., Union av & E 72d, Cleveland, O.
Galvanized Products Co., Phillipsburg, N. J.
Hamilton Wm. Sons Car Co., Newark, Ohio
Harrison Bolt & Nut Co., Harrison, N. J.
*Hendrick Mfg. Co., Carbondale, Pa.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall st, New York. (See insert under Monel Metal)
See adv index at end of book
Jelliff Mfg. Corp., C. O., Southport, Conn.
Kansas City Bolt & Nut Co., Sheffield Station, Kansas City, Mo.
Lake Erie Bolt & Nut Co., ft of E. 63d, Cleveland, O.
*Magosy & Buscher, 232 Canal, New York
Maryland Bolt & Forge Co., Mt. Washington, Baltimore, Md.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
*Munning & Co., A. P., Matawan, N. J.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Pittsburgh Rivet Co., 38th & Junction R R, Pittsburgh, Pa.
Pottsville Bolt Co., Pottsville, Pa.
Pressed Steel Car Co (Column Post & Journal Box), 307 5th av, Pittsburgh, Pa.
Russell, Burdsall & Ward Bolt & Nut Co., Dept. H, Portchester, N. Y.
St. Louis Screw Co., Clarence av E., St. Louis, Mo.
Scranton Bolt & Nut Co., Scranton, Pa.
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co., John P., New Haven, Conn.
Standard Truck Co., McCormick bldg, Chicago, Ill.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co., W. S., Cleveland, O.
Western Steel Car & Foundry Co. (Column Post & Journal Box), Farmers Bank bldg, Pittsburgh, Pa.

1063— Bolts (Carriage)

(Names with * also manufacture Monel Metal)

American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
Ankyra Mfg. Co., 144 Berkley, Wayne Junct., Phila., Pa.
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio
Ballard Drop Forge Co., Seattle, Wash.
Bassett D. M. Bolt Works, Shelton, Conn.
*Beckley Perforating Co., Garwood, N. J.
Berry Bros. Columbus, O.
Bethlehem Steel Co., So Bethlehem, Pa.
Bourne-Fuller Co. (Common, "Philadelphia," "Coleman Eagle"), Hanna bldg, Cleveland, Ohio
Buffalo Bolt Co., North Tonawanda, N. Y.
Carpenter & Co., Geo. B., 434 N Wells, Chicago, Ill.
See adv index at end of book
CLARK BROS. BOLT CO., Millidale, Conn.
See adv index at end of book
*Cleveland Wire Cloth Co., Cleveland, O.
Cleveland Wrought Products Co., W 58th & W. & L. E. Belt Line, Cleveland, O.
Columbus Bolt Works Co. (Common & Eagle), Columbus, O.
Corbin Screw Corp. (Fancy Head), New Britain, Conn.
Cowles C & Co., New Haven, Conn.
Crozier R. J. Co. (Dirs.), 10 S 18th, Phila., Pa.
Eagle Bolt & Forging Co. (Turned Head & Fellow Step), 1435 E 45th, Cleveland, O.
Everitt Co., 267 Franklin, Boston, Mass.
See adv index at end of book
Falls Rivet Co., Kent, O.
Foster Bolt & Nut Mfg. Co., Union av & E 72d, Cleveland, O.
Galvanized Products Co., Phillipsburg, N. J.
Gary Screw & Bolt Co., Gary, Ind.
Harrison Bolt & Nut Co., Harrison, N. J.
Harry L. C. Co., 114 Liberty, New York
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Haydon A. & M., 304 N 22d, Phila., Pa.
*Hendrick Mfg. Co., Carbondale, Pa.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
Hubbard & Co., 63d & Butler, Pittsburgh, Pa.
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall st, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp., C. O., Southport, Conn.
Joslyn Mfg. Supply Co., Chamber of Commerce bldg, Chicago, Ill.
Kansas City Bolt & Nut Co., Sheffield Station, Kansas City, Mo.
KIRK-LATTY MFG. CO. (THE), 8500 Madison av., Cleveland, O.
See adv index at end of book
Lake Erie Bolt & Nut Co., ft of E. 63d, Cleveland, O.
Lamson & Sessions Co. ("Buckeye" & "Lamson"), 2188H Scranton Road, Cleveland, Ohio
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
LARKIN J. K. & CO. (also Wagon), 253 Bway, New York
See adv index at end of book
Laughlin Thos. Co., 135 Fore, Portland, Me.
See adv index at end of book
Lebanon Valley Iron & Steel Co., Lebanon, Pa.
*Magosy & Buscher, 232 Canal, New York
Maryland Bolt & Forge Co., Mt. Washington, Baltimore, Md.
Moore Franklin Co., Winsted, Conn.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
*Munning & Co., A. P., Matawan, N. J.
National Screw & Mfg. Co., 2440 E 75th, Cleveland, O.
See adv index at end of book
New England Bolt Co., Everett, Mass.
Ohio Nut & Bolt Co., Berea, O.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh Pa.
Pacific Coast Forge Co., 3800 Iowa, Seattle, Wash.
Paine Co., 2951 Carroll, Chicago, Ill.
Payne's Bolt Works, 133 Howard, San Francisco, Cal.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Reed & Prince Mfg. Co., Dept. H, Worcester, Mass.
Republic Iron & Steel Co., Youngstown, O.
See branch offices Alphabetical Section
Rockford Bolt Co., 60 Mill, Rockford, Ill.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
Ryerson Jos. T. & Son, Inc., 2558 W. 16th, Chicago, Ill. *See adv index at end of book*
St. Louis Screw Co., Clarence av E., St. Louis, Mo.
Schaper Construction Material Co., 90 West, New York
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
Scranton Bolt & Nut Co., Scranton, Pa.
*Sholes, Inc., 186 Lafayette, New York
Skelly Thos P. Bolt Co., 24th & Carlton, Phila., Pa.
*Smith & Co., John P., New Haven, Conn.
Smith David H. & Sons, foot of 51st, Brooklyn, N. Y.
See adv index at end of book
Southern California Iron & Steel Co., 4th & Mateo, Los Angeles, Cal.
Steel Car Forge Co., Frick bldg., Pittsburgh, Pa.
*Taylor Disc Co., Mansfield, O.
Topping Bros., 156 Varick, New York
See adv index at end of book
*Tyler Co., W. S., Cleveland, O.
Western Screw Mfg. Co., 4413-23H, W Kenzie, Chicago, Ill.

1063a— Bolts (Chain)

McKinney Mfg. Co. (Wrought Steel), Liverpool & Metropolitan, Pittsburgh, Pa.
Stanley Works, New Britain, Conn.

1064-5— Bolts (Collar)

(Names with * also manufacture Monel Metal)

Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio
*Beckley Perforating Co., Garwood, N. J.
Bethlehem Steel Co., So Bethlehem, Pa.
*Cleveland Wire Cloth Co., Cleveland, O.
Galvanized Products Co., Phillipsburg, N. J.
Gary Screw & Bolt Co., Gary, Ind.
*Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall st, New York. (See insert under Monel Metal)
See adv index at end of book
Jelliff Mfg. Corp., C. O., Southport, Conn.
Lake Erie Bolt & Nut Co., 905 E 63rd, Cleveland, Ohio
*Magosy & Buscher, 232 Canal, New York
*Munning & Co., A. P., Matawan, N. J.
National Acme Co. (Milled), 7500 Stanton av S E, Cleveland, O.
Pittsburgh Rivet Co., 38th & Junction R. R., Pittsburgh, Pa.
Rhode Island Tool Co., Providence, R. I.

St. Louis Screw Co., Clarence av E., St. Louis, Mo.
Scranton Bolt & Nut Co., Scranton, Pa.
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co., John P., New Haven, Conn.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co., W. S., Cleveland, O.
Western Automatic Machine Screw Co., Elyria, O.

1066— Bolts (Countersunk)

See also Bolts, Plow; Bolts, Stove

American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
American Equipment Co., Norristown, Pa.
Ames W. & Co., Woodward, Jersey City, N. J.
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio
Bethlehem Steel Co., So Bethlehem, Pa.
Bourne-Fuller Co., Hanna bldg, Cleveland, Ohio
Buffalo Bolt Co., North Tonawanda, N. Y.
Columbus Bolt Works Co., Columbus, O.
Foster Bolt & Nut Mfg. Co., Union av & E 72d, Cleveland, O.
Harrison Bolt & Nut Co., Harrison, N. J.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
Kansas City Bolt & Nut Co., Sheffield Station, Kansas City, Mo.
Kirk-Latty Mfg. Co. (The), 8500 Madison av, Cleveland, Ohio
See adv index at end of book
Lake Erie Bolt & Nut Co., 905 E 63rd, Cleveland, Ohio
Lamson & Sessions Co., 2188 Scranton rd S W, Cleveland, O.
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
Larkin J. K. & Co., 253 Bway, New York
See adv index at end of book
Maryland Bolt & Forge Co., Mt. Washington, Baltimore, Md.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
National Acme Co., 7500 Stanton av S E, Cleveland, O.
Ohio Nut & Bolt Co., Berea, O.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pittsburgh Rivet Co., 38th & Junction R. R., Pittsburgh, Pa.
Reed & Prince Mfg Co., Dept. H, Worcester, Mass.
Republic Iron & Steel Co., Youngstown, O.
See branch offices Alphabetical Section
Rhode Island Tool Co., Providence, R. I.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
Ryerson Jos. T. & Son, Inc., 2558 W. 16th, Chicago, Ill. *See adv index at end of book*
St. Louis Screw Co., Clarence av E., St. Louis, Mo.
Scranton Bolt & Nut Co., Scranton, Pa.
Western Automatic Machine Screw Co., Elyria, O.

1067— Bolts (Coupling)

(Names with * also manufacture Monel Metal)

*Beckley Perforating Co., Garwood, N. J.
Bethlehem Steel Co., So Bethlehem, Pa.
Bourne-Fuller Co., Hanna bldg, Cleveland, Ohio
Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
*Cleveland Wire Cloth Co., Cleveland, O.
Detroit Screw Works, 348 Franklin, Detroit, Mich.
Gary Screw & Bolt Co. (Milled), Gary, Ind.
Harrison Bolt & Nut Co., Harrison, N. J.
Hartford Machine Screw Co., Hartford, Conn.
Haskell Wm. H. Mfg. Co. (Nut, Tapped, etc), Pawtucket, R. I.
*Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 De Kalb av., Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall st, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp., C. O., Southport, Conn.
Kansas City Bolt & Nut Co., Kansas City, Mo.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
*Munning & Co., A. P., Matawan, N. J.
*Magosy & Buscher, 232 Canal, New York
National Acme Co. (Milled), 7500 Stanton av S E, Cleveland, O.
Niagara Screw Co., 20 Lock, Buffalo, N. Y.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Pittsburgh Screw & Bolt Co. (Milled), Preble av, Pittsburgh, Pa.
Rhode Island Tool Co. (Milled Haxagon Heads & Nuts), Providence, R. I.
Rochester Machine Screw Co., 15 Caledonia av, Rochester, N. Y.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo
St. Louis Screw Co., Clarence av E., St. Louis, Mo.
Scranton Bolt & Nut Co., Scranton, Pa.
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co., John P., New Haven, Conn.
*Steel Products Mfg. Co., Cicero, Ill.
Steel Products Co., 2206 Clarkwood av, S. E. Cleveland, Ohio
*Taylor Disc Co., Mansfield, O.
*Tyler Co., W. S., Cleveland, O.
Western Automatic Machine Screw Co., Elyria, O.

1067a— Bolts (Cremone)

Bolles Wm. B., P. O. Box 600M, Milwaukee, Wis.
Corbin P. & F. ("Corbin"), Dept H, New Britain, Conn.
Phenix Mfg. Co., Milwaukee, Wis.
Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book
Sargent & Co., Water & Wald, New Haven, Conn.
Stanley Works, New Britain, Conn.
Wilcor Mfg. Co., 4824 West Lake, Chicago, Ill.

1068— Bolts (Cross-Arms)

(Names with * also manufacture Monel Metal)

American Equipment Co., Norristown, Pa.
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio
*Beckley Perforating Co., Garwood, N. J.
Bethlehem Steel Co., So Bethlehem, Pa.
*Cleveland Wire Cloth Co., Cleveland, O.
Galvanized Products Co., Phillipsburg, N. J.
*Hendrick Mfg. Co., Carbondale, Pa.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
*Howard & Morse, 1197 De Kalb av., Brooklyn, N. Y.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall st, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp., C. O., Southport, Conn.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
*Magosy & Buscher, 232 Canal, New York
Michigan Bolt & Nut Wks., ft. Meldrum, Detroit, Mich.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
*Munning & Co., A. P., Matawan, N. J.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
St. Louis Screw Co., Clarence av E., St. Louis, Mo.
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co., John P., New Haven, Conn.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co., W. S., Cleveland, O.

1069— Bolts (Crown-Bar)

Bethlehem Steel Co., So Bethlehem, Pa.
Gary Screw & Bolt Co., Gary, Ind.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
St. Louis Screw Co., Clarence av E., St. Louis, Mo.

Bolts (Cultivator Point)

See Bolts, Plow

Bolts (Cupboard)

See Bolts, Door & Window

1069a— *Bolts (Deck)

(Names with * also manufacture Monel Metal)

*Beckley Perforating Co., Garwood, N. J.
Bethlehem Steel Co., Bethlehem, Pa.
*Cleveland Wire Cloth Co., Cleveland, O.
*Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 De Kalb av., Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall st, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp., C. O., Southport, Conn.
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
Lake Erie Bolt & Nut Co., 905 E 63rd, Cleveland, Ohido
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
*Magosy & Buscher, 232 Canal, New York
*Munning & Co., A. P., Matawan, N. J.
St. Louis Screw Co., Clarence av E., St. Louis, Mo.
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co., John P., New Haven, Conn.
Smith David H. & Sons, foot of 51st, Brooklyn, N. Y.
See adv index at end of book
Southern California Iron & Steel Co., E 4th & Mateo, Los Angeles, Cal.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co., W. S., Cleveland, O.

1069b—Bolts (Demountable Rim)

(Names with * also manufacture Monel Metal)

Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio
Bayne Mfg. Co., Bushnell, Ill.
*Beckley Perforating Co., Garwood, N. J.
*Cleveland Wire Cloth Co., Cleveland, O.
*Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 De Kalb av., Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall st, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp., C. O., Southport, Conn.
Kirk-Latty Mfg. Co. (The), 8500 Madison av, Cleveland, Ohio
See adv index at end of book
Lake Erie Bolt & Nut Co., 905 E 63rd, Cleveland, Ohio
*Magosy & Buscher, 232 Canal, New York
*Munning & Co., A. P., Matawan, N. J.
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co., John P., New Haven, Conn.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co., W. S., Cleveland, O.

1070—Bolts (Door, Emergency Exit)

Bolles Wm. B., P. O. Box 600, Milwaukee, Wis.
Columbia Iron & Wire Wks. Co., 1006 9th S W, Canton, O.
Corbin P. & F., New Britain, Conn.
Russell & Erwin Mfg. Co. ("Russwin Panic-Exit"), New Britain, Conn.
Sargent & Co. (Fire Exit), Water & Wallace, New Haven, Conn.

1071—Bolts (Door & Window)

Am. Tube & Stamping Co. (Pressed Steel), Dept. H, Bridgeport, Conn.
Ankyra Mfg. Co., 144 Berkley, Wayne Junct., Phila., Pa.
Auer John Jr. (Wrought, Flush, Flat, Store Door & Drop Door or Gate Bolts), 197 Middleton, Brooklyn, N. Y.
Bolles Wm B. (Double Arm), P. O. Box 600 M, Milwaukee, Wis.
Brainerd Mfg. Co., E Rochester, N. Y.
Champion Hardware Co. ("Champion" Mortise Door), Geneva, O.
Columbus Brass Co., 620 Dublin av, Columbus, Ohio
See adv index at end of book
Corbin Cabinet Lock Co. (Double Door, etc.), New Britain, Conn.
Corbin P. & F. ("Corbin"), Dept. H, New Britain, Conn.
Dent Hardware Co., Fullerton, Pa.
Enterprise Hardware Mfg. Co., Frederick, Md.
Grey Iron Casting Co. (Cast), Mt. Joy, Pa.
Griffin Mfg. Co. (Wrought Steel), Erie, Pa.
Hardware Supply Co., Grand Rapids, Mich.
Highton Wm. & Sons Co. (Barn, Store, Door, etc.), Nashua, N. H.
Ives H. B. Co., New Haven, Conn.
McKinney Mfg. Co. (Door, Wrought Steel), Liverpool & Metropolitan, Pittsburgh, Pa.
New England Bolt Co., Everett, Mass.
Norwalk Lock Co., So. Norwalk, Conn.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.
Pratt Wm. E. Mfg. Co. (Gravity Door), 35 W Lake, Chicago, Ill.
Reading Hardware Co., Reading, Pa.
Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book
Russell & Erwin Mfg. Co., New Britain, Conn.
Safe Padlock & Hardware Co., Lancaster, Pa.
Sargent & Co., Water & Wald, New Haven, Conn.
Sargent & Greenleaf, Inc. ("The Gem"), Rochester, N. Y.
Shelby Spring Hinge Co. (Wrought Steel), Shelby, O.
Stanley Works ("Dickey" Door & "Cremorne" Window Spring), (Wrought Steel & Brass), New Britain, Conn.
Taylor & Boggis Foundry Co. (Chain & Foot, etc), Cleveland, O.
Wrightsville Hardware Co. (Cast), Wrightsville, Pa.
Zeigler Mfg. Co., Alexandria, Ind.

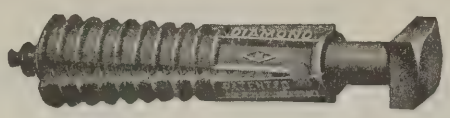
Bolts (Double Arming)

See Bolts (Cross Arm)

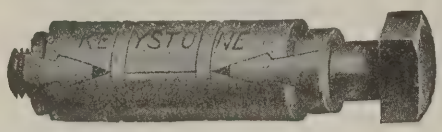
1072— Bolts (Drift)

American Bolt Co., Birmingham, Ala.
American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
American Equipment Co., Norristown, Pa.
Ames W. & Co., Woodward, Jersey City, N. J.
*Beckley Perforating Co., Garwood, N. J.
Bethlehem Steel Co., Bethlehem, Pa.
Bourne-Fuller Co., Hanna bldg, Cleveland, Ohio
*Cleveland Wire Cloth Co., Cleveland, O.
Galvanized Products Co., Phillipsburg, N. J
Harrison Bolt & Nut Co., Harrison, N. J.
Harry L. C. Co., 114 Liberty, New York
*Hendrick Mfg. Co., Carbondale, Pa.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall, New York (See insert under Monel Metal)
See adv index at end of book

(Continued on following page)



"DIAMOND N.Y"—Patented
For use with Lag Screws



DOUBLE KEYSTONE—Patented
For use with Machine Bolts



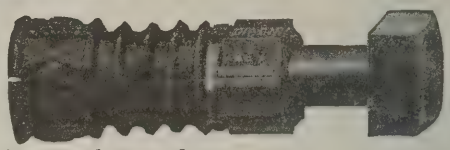
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For use with Wood Screws

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Bottom-Bearing
For use with Machine Bolts



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MANUFACTURERS OF DIAMOND SPECIALTIES

Bolts (Drift)—Continued

*Jelliff Mfg. Corp. C. O., Southport, Conn.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
Kansas City Bolt & Nut Co., Sheffield Station, Kansas City, Mo.
Lake Erie Bolt & Nut Co., 905 E. 63rd, Cleveland, Ohio
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
*Magosy & Buscher, 232 Canal, New York
Marine Hardware-Equipment Co., South Portland, Me.
Maryland Bolt & Forge Co., Mt. Washington, Baltimore, Md.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
*Munning & Co. A. P., Matawan, N. J.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Pittsburgh Rivet Co. (Round & Square), 38th & Junction R R, Pittsburgh, Pa.
Republic Iron & Steel Co., Youngstown, O.
See branch offices Alphabetical Section
Rockford Bolt Co., 60 Mill, Rockford, Ill.
St. Louis Screw Co., Clarence av E., St. Louis, Mo.
ST. PAUL FOUNDRY CO., Como av & Mackubin, St. Paul, Minn.
See adv index at end of book
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
Scranton Bolt & Nut Co., Scranton, Pa.
Severence S. Mfg. Co., 3d, Pittsburgh, Pa.
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co. John P., New Haven, Conn.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co. W. S., Cleveland, O.

1073— Bolts (Duplex Twin)

Star Expansion Bolt Co. ("Sebco"), 147 Cedar, New York

Bolts (Elevator)

See Bolts, Belt or Elevator

1074— Bolts (Expansion)

See also Classifications Following

Ackerman-Johnson Co., 625 W Jackson blvd., Chicago, Ill.
American Expansion Bolt Co., 1743 Carter av, New York
Ankyra Mfg. Co. ("Ankyra"), 144 Berkley, Wayne Junct., Phila., Pa.
Ansonia Mfg. Co. (Brass), H River Road, Ansonia, Conn.
Barrett Sales Co., 568 W Washington blvd, Chicago, Ill.
Brohard Co. ("Climax"), 3d & Lehigh, Phila., Pa.
Central Specialty Mfg. Co., 404 S Kolmar av, Chicago, Ill.
Chicago Expansion Bolt Co. ("Chicago"), 9 S Clinton, Chicago, Ill.
Chicago Nut Mfg. Co. ("Ajax"), 2513 W. Cullerton, Chicago, Ill.
Church Isaac ("O. K.," "Perfect," "Duplex"), East Norwalk, Conn.
Columbus Brass Co., 620 Dublin av, Columbus, Ohio
See adv index at end of book
DIAMOND EXPANSION BOLT CO ("Diamond," "Diamond N" & "Keystone," "Di-en-key," Brass & Iron) 89 West, New York
See adv index at end of book
Electric Railway Equipment Co. (Trolley Wire), 2900H Cormany av, Cincinnati, Ohio
Electric Service Supplies Co. ("Keystone"), 17th & Cambria, Phila., Pa.
Evans F. H., Est. of ("Crescent"), 31 Hewes, Brooklyn, N. Y.
Garrison Brass & Machine Works ("Phillips"), 107 W 13th, New York.
Hubbard & Co. ("Pierce"), 63d & Butler, Pittsburgh, Pa.
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
McCABE HANGER MFG. CO., 426-428 W 25th, New York
National Lead Co. ("Cinch"), 111 B'way, New York
New Jersey Fdy. & Mach. Co., 90 West New York
Paine Co. (The) ("Paine"), 2951 Carroll av, Chicago, Ill.
RICHARDS-WILCOX MFG. CO., Aurora, Ill. *See adv index at end of book*
Richmond Screw Anchor Co., 245 Bush, Brooklyn, N. Y.
Savage Expansion Bolt Corp., 9 Desbrosses, New York
Seaman A. C., 124 N 6th, Phila., Pa.
Smith David H. & Sons, foot of 51st, Brooklyn, N. Y.
See adv index at end of book
Star Expansion Bolt Co. ("Star" & "Sebco," all kinds), 147 Cedar, New York
U. S. EXPANSION BOLT CO., 139 Franklin, New York
Waterbury Mfg. Co., Division Chase Co., Inc., Waterbury, Conn.

1075—Bolts (Expansion, Brass)

Star Expansion Bolt Co., 147 Cedar, New York
U. S. EXPANSION BOLT CO., 139 Franklin, New York

1076—Bolts (Expansion, for Concrete Work)

Ankyra Mfg. Co., 144 Berkley, Wayne Junct., Phila., Pa.
DIAMOND EXPANSION BOLT CO. ("Diamond," "Diamond N" & "Keystone," "Di-en-key"), 89 West, New York *See adv index at end of book*
Hoffman Bronze & Aluminum Castings Co., 1000 Addison rd, Cleveland, O.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
McCABE HANGER MFG. CO., 426-428 W 24th, New York
Star Expansion Bolt Co., 147 Cedar, New York

1077—Bolts (Expansion, Single & Double)

Ankyra Mfg. Co., 144 Berkley, Wayne Junct., Phila., Pa.
DIAMOND EXPANSION BOLT CO., 89 West, New York
See adv index at end of book
Hoffman Bronze & Aluminum Castings Co., 1000 Addison rd, Cleveland, O.
Star Expansion Bolt Co., 147 Cedar, New York

1078— Bolts (Extension)

Corbin P. & F. ("Corbin"), Dept. H, New Britain, Conn.
Southern California Iron & Steel Co., E 4th & Mateo, Los Angeles, Cal.
Taylor & Boggis Foundry Co. (Flush, etc), Cleveland, O.

1078a— Bolts (Eye)

See also Bolts, Hook & Eye; also Bolts, Ring; also Bolts, Swing or Eye.
Ames W. & Co., Woodward, Jersey City, N. J.
Bethlehem Steel Co., Bethlehem, Pa.
Chain Products Co., N. E. Cooper av, Cleveland, Ohio
Corbin P. & F. ("Corbin"), Dept. H, New Britain, Conn.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
Lake Erie Bolt & Nut Co., 905 E 63rd, Cleveland, Ohio
Lakeside Forge Co., Erie, Pa.
Lamson & Sessions Co., 2188H Scranton Road, Cleveland, Ohio
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Laughlin Thos. Co., 135 Fore, Portland, Me.
See adv index at end of book
Marine Hardware-Equipment Co., South Portland, Me.
Merrill Bros., 3 Arnold, Maspeth (Boro. of Queens), New York
See adv index at end of book
Reed & Prince Mfg. Co., Dept. H, Worcester, Mass.
St. Louis Screw Co. (Welded), Clarence av E., St. Louis, Mo.
Starke Adolph (Est. of), Columbia & Signourney, Brooklyn, N. Y.
Wilcox Crittenden & Co., Inc., 444 S Main, Middletown, Conn.
See adv index at end of book

EYE BOLTS

Drop Forged Screw Eye Bolts. Regular and Small Eye. Regular Eye in sizes ¼ to 1½ Small Eye in sizes ¼ to 1¼ inches. Eye Bolts to Rivet with Regular or Small Eye; Regular Eye in sizes ¼ to 1½ inches; Small Eye in sizes ¼ to 1¼ inches. Shoulder Screw Eye Bolts in sizes ¼ to 1¼ inches. Shoulder Eye Bolts to Rivet in sizes ¼ to 1¼ inches. Nut Eye Bolts Regular and Small Eye; Regular Eye furnished in sizes ¼ to 1½ inches; Small Eye in sizes ¼ to 1¼ inches. Shoulder Nut Eye Bolts in sizes ¼ to 1¼ inches. All furnished galvanized or self-colored, in regular or extra lengths. All galvanized by the Durable Hot Process.

Wilcox, Crittenden & Co., Inc.
444 So. Main St.
MIDDLETOWN, CONN.

Williams J. H. & Co., 81 Richards, B'klyn, N. Y. *See adv index at end of book*

1078b— Bolts (Fancy)

National Screw & Mfg. Co., The, 2440 E 75th, Cleveland, O.
See adv index at end of book

1078c— Bolts (Fin Head)

National Screw & Mfg. Co., The, 2440 E 75th, Cleveland, O.
See adv index at end of book

1078d— Bolts (Finished)

Bell David Co., Inc. (The), 1555 Fillmore av, Buffalo, N. Y.
See adv index at end of book
Russell, Burdsall & Ward Bolt & Nut Co., Dept. H, Port Chester, N. Y.
St. Louis Screw Co., Clarence av E., St. Louis, Mo.
Western Screw Products Co., 19 St. George, St. Louis, Mo.

1078e— Bolts (Flush)

Auer John Jr., 197 Middleton, B'klyn, N. Y.
Corbin P. & F. ("Corbin"), Dept. H, New Britain, Conn.
Reed & Prince Mfg. Co., Dept. H, Worcester, Mass.

Stanley Works, New Britain, Conn.
See adv index at end of book
Taylor & Boggis Fdy. Co., Cleveland, O.

1078f— *Bolts (Foot)

Stanley Works, New Britain, Conn.

1079— Bolts (Forged)

American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
American Equipment Co., Norristown, Pa.
Ames W. & Co., Jersey City, N. J.
Bethlehem Steel Co., So Bethlehem, Pa.
Columbus Bolt Works Co., Columbus, Ohio
Detroit Screw Works, 348 Franklin, Detroit, Mich.
Eagle Bolt & Forging Co. (Hot Forged), 1435 E 45th, Cleveland, O.
Galvanized Products Co., Phillipsburg, N. J.
Harrison Bolt & Nut Co., Harrison, N. J.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
Kansas City Bolt & Nut Co., Sheffield Station, Kansas City, Mo.
Lake Erie Bolt & Nut Co., 905 E 63rd, Cleveland, Ohio
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Laughlin Thos. Co., 135 Fore, Portland Me.
See adv index at end of book
Marine Hardware-Equipment Co., South Portland, Me.
Merrill Bros., 3 Arnold, Maspeth (Boro. of Queens), New York
See adv index at end of book
Moore Drop Forging Co., Springfield, Mass.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
St. Louis Screw Co., Clarence av E., St. Louis, Mo.
Smith A. L. Iron Wks., Chelsea, Mass.
Tioga Steel & Iron Co., 52nd & Grays, Phila., Pa.
Wharton Wm. Jr. & Co., Inc., Easton, Pa.
Williams J. H. Co. (Eye Bolts, etc.), 400 Vulcan, Buffalo, N. Y.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

1080— Bolts (Foundation)

American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
American Equipment Co., Norristown, Pa.
Ames W. & Co., Jersey City, N. J.
Ankyra Mfg. Co., 144 Berkley, Wayne Junct., Phila., Pa.
Bethlehem Steel Co., So Bethlehem, Pa.
Cleveland City Forge & Iron Co., Cleveland, O.
Continental Bolt & Iron Works, 2225 W 43d, Chicago, Ill.
Ferry Cap & Set Screw Co., 2149 Scranton Rd., Cleveland, Ohio
Fulton Iron Works Co., 1259 Delaware av, St. Louis, Mo.
Galvanized Products Co., Phillipsburg, N. J.
Gary Screw & Bolt Co., Gary, Ind.
Graham Nut Co., Pittsburgh, Pa.
Hamilton Wm. Sons Car Co., Newark, O.
Harper F. C. Screw Works, 19 E 8th, Chicago, Ill.
Harrison Bolt & Nut Co., Harrison, N. J.
Harry L C Co., 114 Liberty, New York
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
Larkin J. K. & Co., 253 Bway, New York
See adv index at end of book
Maryland Bolt & Forge Co., Mt. Washington, Baltimore, Md.
Merrill Bros., 3 Arnold, Maspeth (Boro. of Queens), New York
See adv index at end of book
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
Old Dominion Iron & Steel Corp., Belle Isle, Richmond, Va.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pittsburgh Forge & Iron Co., Chamber of Commerce bldg, Pittsburgh, Pa.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Pittsburgh Rivet Co., 38th & Junction R R., Pittsburgh, Pa.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
REPUBLIC IRON & STEEL CO., Youngstown, O.
See branch offices Alphabetical Section
Republic Structural Iron Wks Co., 1350 E 53d, Cleveland, O.
Rhode Island Tool Co., Providence, R. I.
St. Louis Screw Co., Clarence av E., St. Louis, Mo.
ST. PAUL FOUNDRY CO., Como av & Mackubin, St. Paul, Minn.
See adv index at end of book
Scranton Bolt & Nut Co., Scranton, Pa.
Southern California Iron & Steel Co., E 4th & Mateo, Los Angeles, Cal.
Wendt Albert H., 329 Wash Newpt., Cincinnati, O.

1081— Bolts (Galvanized)

AMERICAN BOLT CORP., Whitehall bldg, New York
See adv index at end of book
American Equipment Co., Norristown, Pa.
Ames W. & Co., Jersey City, N. J.
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio
Bethlehem Steel Co., Bethlehem, Pa.
Buffalo Bolt Co., North Tonowanda, N. Y.
Galvanized Products Co., Phillipsburg, N. J.
Gary Screw & Bolt Co., Gary, Ind.
Harrison Bolt & Nut Co., Harrison, N. J.
Harry L. C. Co., 114 Liberty, New York
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Hubbard & Co., 63d & Butler, Pittsburgh, Pa.
Kansas City Bolt & Nut Co., Sheffield Station, Kansas City, Mo.
Lake Erie Bolt & Nut Co., 905 E 63rd, Cleveland, Ohio
Lamson & Sessions Co., 2188 Scranton rd, S W, Cleveland, O.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Merrill Bros., 3 Arnold, Maspeth (Boro. of Queens), New York
See adv index at end of book
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Reed & Prince Mfg. Co., Dept. H, Worcester, Mass.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
St. Louis Screw Co., Clarence av E., St. Louis, Mo.

1082— Bolts (Garage Door)

(Names with * also manufacture Monel Metal)
Ankyra Mfg. Co., 144 Berkley, Wayne Junct., Phila., Pa.
*Beckley Perforating Co., Garwood, N. J.
Bolles Wm. B., P.O. Box 600M, Milwaukee, Wis.
*Cleveland Wire Cloth Co., Cleveland, O.
*Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall, New York (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp. C. O., Southport, Conn.
*Magosy & Buscher 232 Canal, New York
*Munning & Co. A. P., Matawan, N. J.
Phenix Mfg. Co., Milwaukee, Wis.
Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book
*Sholes, Inc., 186 Lafayette, New York City
*Smith & Co. John P., New Haven, Conn.
*Steel Products Mfg. Co., Cicero, Ill.
Stanley Works, New Britain, Conn.
*Taylor Disc Co., Mansfield, O.
*Tyler Co. W. S., Cleveland, O.

1082a— Bolts (Hanger)

See also Screws, Hanger

(Names with * also manufacture Monel Metal)
ANKYRA MFG. CO., Wayne Junction Phila., Pa. *See adv index at end of book*
*Beckley Perforating Co., Garwood, N. J.
Bethlehem Steel Co., Bethlehem, Pa.
*Cleveland Wire Cloth Co., Cleveland, O.
Everitt Co., 267 Franklin, Boston, Mass.
See adv index at end of book
*Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall, New York (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp. C. O., Southport, Conn.
Kirk-Latty Mfg. Co. (The), 8500 Madison av, Cleveland, Ohio
See adv index at end of book
Lake Erie Bolt & Nut Co., 905 E 63rd, Cleveland, Ohio
Lamson & Sessions Co., 2188H Scranton Road, Cleveland, Ohio
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Laughlin Thos. Co., 135 Fore, Portland, Me.
See adv index at end of book
*Magosy & Buscher, 232 Canal, New York
*Munning & Co. A. P., Matawan, N. J.
National Screw & Mfg. Co., The, 2440 E 75th, Cleveland, O.
See adv index at end of book
Reed & Prince Mfg. Co., Dept. H, Worcester, Mass.
St. Louis Screw Co., Clarence av E., St. Louis, Mo.
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co. John P., New Haven, Conn.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co. W. S., Cleveland, O.
Wood's T. B. Sons Co., Chambersburg, Pa.

1083— Bolts (Harvey Grip)

Bethlehem Steel Co., So Bethlehem, Pa.
Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
Cleveland Wrought Products Co., W 58th & W. L. E. Belt Line, Cleveland, O.
Kansas City Bolt & Nut Co., Sheffield Station, Kansas City, Mo.
Lake Erie Bolt & Nut Co., 905 E 63rd, Cleveland, Ohio

1084-5— Bolts (Heel)

Bethlehem Steel Co., So Bethlehem, Pa.
Lake Erie Bolt & Nut Co., 905 E 63rd, Cleveland, Ohio

1086— Bolts (Hook Head)

See also Bolts, Ring
Ames W. & Co., Woodward, Jersey City, N. J.
Berry Bros. Columbus, O.
Bethlehem Steel Co., So Bethlehem, Pa.
Bridgeport Brass Co., Dept. H, Bridgeport, Conn.
Galvanized Products Co., Phillipsburg, N. J.
Harrison Bolt & Nut Co., Harrison, N. J.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Kansas City Bolt & Nut Co., Sheffield Station, Kansas City, Mo.
Lake Erie Bolt & Nut Co., 905 E 63rd, Cleveland, Ohio
Laughlin Thos. Co., 135 Fore, Portland, Me.
See adv index at end of book
Marine Hardware-Equipment Co., South Portland, Me.
Maryland Bolt & Forge Co., Mt. Washington, Baltimore, Md.
Moore Drop Forging Co., Springfield, Mass.
Pittsburgh Rivet Co., 38th & Junction R R, Pittsburgh, Pa.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
St. Louis Screw Co., Clarence av E., St. Louis, Mo.
Scranton Bolt & Nut Co., Scranton, Pa.
Steel Car Forge Co., Frick bldg, Pittsburgh, Pa.

1087— Bolts (Hook & Eye)

See also Bolts, Ring; also Bolts, Eye; also Bolts, Swing or Eye
American Bridge Co., 30 Church, New York
Auer John Jr., 197 Middleton, Brooklyn, N. Y.
Bethlehem Steel Co., So Bethlehem, Pa.
Billings & Spencer Co. (Drop Forged Eye), Hartford, Conn.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
BOSS NUT CO., 1734 N Kolmar av, Chicago, Ill. *See adv index at end of book*
Clark Bros. Bolt Co., Milldale, Conn.
See adv index at end of book
Cleveland City Forge & Iron Co., Cleveland, O.
Eureka Co. (Eye Bolts Only), North East, Pa.
Force Chas. C. & Son, Madison, N. J.
Foster Bolt & Nut Mfg. Co., Union av & E 72d, Cleveland, O.
Galvanized Products Co., Phillipsburg, N. J.
Gary Screw & Bolt Co., Gary, Ind.
Harrison Bolt & Nut Co., Harrison, N. J.
Harrison Electric Co., 1088 De Kalb av, Brooklyn, N. Y.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Hubbard & Co., 63d & Butler, Pittsburgh, Pa.
Jencks E. Mfg. Co. (Wrought), 28 Union, Worcester, Mass.
Joslyn Mfg. & Supply Co., Chamber of Comm. bldg, Chicago, Ill.
Kansas City Bolt & Nut Co., Sheffield Station, Kansas City, Mo.
KIRK-LATTY MFG. CO. (THE), 8500 Madison av, Cleveland, O.
See adv index at end of book
Lakeside Forge Co. (Drop Forged), Erie, Pa.
Lamson & Sessions Co., 2188 Scranton rd, S W, Cleveland, O.
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
Laughlin Thos. Co. (Eye, Screw, Nut & Rivet), Portland, Me.
See adv index at end of book
Marine Hardware Equipment Co., South Portland, Me.
MERRILL BROS. (Eye, Drop Forged), **3 Arnold, Maspeth (Boro of Queens),** New York *See adv index at end of book*
Moore Drop Forging Co., Springfield, Mass.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
New England Bolt Co., Everett, Mass.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Pittsburgh Rivet Co., 38th & Junction R R, Pittsburgh, Pa.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.

(Continued on following page)

Bolts (Hook and Eye)—Continued

Republic Iron & Steel Co., Youngstown, O.
See branch offices Alphabetical Section
Rhode Island Tool Co. (Blank or Threaded Steel Eye), Providence, R. I.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
St. Louis Screw Co., Clarence av E., St. Louis, Mo.
Sargent & Co. (Eye), Water & Wald, New Haven, Conn.
Scranton Bolt & Nut Co., Scranton, Pa.
Southern California Iron & Steel Co., E 4th & Mateo, Los Angeles, Cal.
Strieby & Foote Co. (Drop Forged), 301 Ogden, Newark, N. J.
Upson Nut Co., Cleveland, O.
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*
Wilcox, Crittenden & Co., Inc. (Screw, Nut & Drive), 444 So Main, Middletown, Conn. *See adv index at end of book*
Wilcox D. Mfg. Co. (Drop Forged Eye), Mechanicsburg, Pa.
Williams J. H. Co. ("Vulcan" Drop Forged, Weldless), 400 Vulcan, Buffalo, N. Y.
Winchester Repeating Arms Co. (Weldless Drop Forged, Blank & Threaded), New Haven, Conn.

1087a—Bolts (Hub or Wheel)

(Names with * also manufacture Monel Metal)

Atlas Bolt & Screw Co., 1130 Ivanhoe Road, Cleveland, O.
*Beckley Perforating Co., Garwood, N. J.
*Cleveland Wire Cloth Co., Cleveland, O.
*Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall, New York (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp. C. O., Southport, Conn.
Kirk-Latty Mfg. Co. (The), 8500 Madison av, Cleveland, Ohio
See adv index at end of book
Lake Erie Bolt & Nut Co., 905 E. 63rd, Cleveland, Ohio
*Magosy & Buscher, 232 Canal, New York
*Munning & Co. A. P., Matawan, N. J.
St. Louis Screw Co., Clarence av E., St. Louis, Mo.
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co. John P., New Haven, Conn.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co. W. S., Cleveland, O.

1087b—Bolts (Insulated Suspension)

Electrose Mfg. Co. ("Electrose"), 70 Washington, Brooklyn, N. Y.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Line Material Co., S Milwaukee, Wis.

1088— Bolts (Key)

American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
Bethlehem Steel Co., So Bethlehem, Pa.
Bourne-Fuller Co., Hanna bldg, Cleveland, Ohio
Buffalo Bolt Co., Buffalo, N. Y.
Gary Screw & Bolt Co., Gary, Ind.
Harrison Bolt & Nut Co., Harrison, N. J.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall, New York (See insert under Monel Metal)
See adv index at end of book
Kansas City Bolt & Nut Co., Sheffield Station, Kansas City, Mo.
Lake Erie Bolt & Nut Co., 905 E 63rd, Cleveland, Ohio
Lamson & Sessions Co., 2188 Scranton rd, S W, Cleveland, O.
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
Livermore Homer F., Inc., 85 Pearl, Boston, Mass.
Maryland Bolt & Forge Co., Mt. Washington, Baltimore, Md.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pittsburgh Rivet Co., 38th & Junction R R, Pittsburgh, Pa.
St. Louis Screw Co., Clarence av E., St. Louis, Mo.
Scranton Bolt & Nut Co., Scranton, Pa.

1089— Bolts (King)

Bethlehem Steel Co., So Bethlehem, Pa.
Detroit Screw Works (Hardened & Ground, Automobile), 348 Franklin, Detroit, Mich.
Ford-Clark Co., 2214 Clarkwood rd, Cleveland, O.
Harrison Bolt & Nut Co., Harrison, N. J.
Harvey Spring & Forging Co. (Wagon), Racine, Wis.
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall, New York (See insert under Monel Metal)
See adv index at end of book
Kidder R. E. Co. (Automobile Pins), 35 Hermon, Worcester, Mass.
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Pollak Steel Co. The, 386 W 71st, Carthage, Cincinnati, O.
St. Louis Screw Co., Clarence av E., St. Louis, Mo.
Zeigler Mfg. Co., Alexandria, Ind.

1089a— Bolts (Lag)

See also Bolts, Screw & Nut Eye.
American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio
Bethlehem Steel Co., So. Bethlehem, Pa.
Bourne-Fuller Co., Hanna bldg, Cleveland, Ohio
Columbus Bolt Works Co., Columbus, O.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
Kirk-Latty Mfg. Co. (The), 8500 Madison av, Cleveland, Ohio
See adv index at end of book
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
Lake Erie Bolt & Nut Co., 905 E 63rd, Cleveland, Ohio
Lamson & Sessions Co., 2188 Scranton Road, Cleveland, Ohio
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Laughlin Thos. Co., 135 Fore, Portland, Me.
See adv index at end of book
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
St. Louis Screw Co., Clarence av E., St. Louis, Mo.
Smith David H. & Sons, foot of 51st, Brooklyn, N. Y.
See adv index at end of book

1090— Bolts (Loom)

American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
Bourne-Fuller Co., Hanna bldg, Cleveland, Ohio
Clark Bros. Bolt Co., Millidale, Conn.
See adv index at end of book
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall, New York (See insert under Monel Metal)
See adv index at end of book
Lake Erie Bolt & Nut Co., 905 E 63rd, Cleveland, Ohio
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Pawtucket Mfg. Co., Pawtucket, R. I.

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1091— Bolts (Machine)

American Bolt Co., Birmingham, Ala.
AMERICAN BOLT CORP., Whitehall bldg, New York
See adv index at end of book
American Equipment Co., Norristown, Pa.
Ames W. & Co., Jersey City, N. J.
Arghis M. J. & Co., 432 4th av, New York
Armstrong & Parker, 361 Guilford av, Baltimore, Md.
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio
Ballard Drop Forge Co., Seattle, Wash.
Bassett D. M. Bolt Works, Shelton, Conn.
Berry Bros., Columbus, Ohio.
Bethlehem Steel Co., So Bethlehem, Pa.
Bourne-Fuller Co., Hanna bldg, Cleveland, Ohio
Buffalo Bolt Co., North Tonawanda, N. Y.
Carpenter & Co. Geo. B., 434 N Wells, Chicago, Ill.
See adv index at end of book
CLARK BROS. BOLT CO., Millidale, Conn.
See adv index at end of book
Cleveland Wrought Products Co., W 58th & W. L. E. Belt Line, Cleveland, O.
Colorado Fuel & Iron Co., Denver, Colo.
Columbus Bolt Works Co., Columbus, O.
Continental Bolt & Iron Works, 2225 W 43d, Chicago, Ill.
Crozier R. J. Co. (Dirs.), 10 S 18th, Phila., Pa.
Eastern Bolt & Nut Co., E Providence, Providence, R. I.
Everitt Co, 267 Franklin, Boston, Mass.
See adv index at end of book
Falls Rivet Co. Kent O.
Foster Bolt & Nut Mfg. Co., Union av & E 72nd, Cleveland, O.
Foster Mfg. & Supply Co., 20th & Venango, Phila., Pa.
Galvanized Products Co., Phillipsburg, N. J.
Gary Screw & Bolt Co., Gary, Ind.
Gaskell Wm. & Son, 59 Freeman, Brooklyn, N. Y.
Graham Mfg. Co., Cleveland, O.
Graham Nut Co., Pittsburgh, Pa.
Greenlie-Halliday Co., 499 Water, New York
Hallett Iron Works, Harvey, Ill.
Harrison Bolt & Nut Co., Harrison, N. J.
Harry L. C. Co., 114 Liberty, New York
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Hoppen & Sons J. E. (Special), 78 Main, Belleville, N. J.
See adv index at end of book
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall, New York (See insert under Monel Metal)
See adv index at end of book
Joslyn Mfg. & Supply Co., Chamber of Comm. bldg, Chicago, Ill.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
Kansas City Bolt & Nut Co., Sheffield Sta, Kansas City, Mo.
KIRK-LATTY MFG. CO. (THE), 8500 Madison av, Cleveland, O.
See adv index at end of book
Lake Erie Bolt & Nut Co., ft of E 63rd, Cleveland O.
Lamson & Sessions Co. ("Buckeye" & "Lamson"), 2188H Scranton Road, Cleveland, Ohio
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book

J. K. LARKIN & CO.
253 Broadway
NEW YORK

Laughlin Thos. Co. (Machines), 135 Fore, Portland, Me.
See adv index at end of book
Lebanon Iron Co., Dept. H, Lebanon, Pa.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Lorain Steel Co., Johnstown, Pa.
Maryland Bolt & Forge Co., Mt. Washington, Baltimore, Md.
Merrill Bros., 3 Arnold, Maspeth (Boro. of Queens), New York
See adv index at end of book
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
National Bolt & Nut Co., 62nd & A. V. R. R., Pittsburgh, Pa.
NATIONAL SCREW & MFG. CO., 2440 E 75th, Cleveland, O.
See adv index at end of book
New England Bolt Co., Everett, Mass.
New England Screw Co. (Screw), 44 Farnsworth, Boston, Mass.
North Pacific Spike Co., 272 Hoyt, Portland, Ore.
Ohio Nut & Bolt Co., Berea, O.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Paine Co., 2951 Carroll, Chicago, Ill.
Pawtucket Mfg. Co., Pawtucket, R. I.
Pittsburgh Forge & Iron Co., Chamber of Commerce bldg, Pittsburgh, Pa.
Pittsburgh Rivet Co., 38th & Junction R. R., Pittsburgh, Pa.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Pottsville Bolt Co., Pottsville, Pa.
Republic Iron & Steel Co., Youngstown, O.
See branch offices Alphabetical Section
Rhode Island Tool Co., Providence, R. I.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
Ryerson Jos. T. & Son, Inc., 2558 W. 16th, Chicago, Ill. *See adv index at end of book*
St. Louis Screw Co., Clarence av E., St. Louis, Mo.
ST. PAUL FOUNDRY CO., Como av & Mackubin, St. Paul, Minn.
See adv index at end of book
Schaper Construction Material Co., 90 West, New York
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
Scranton Bolt & Nut Co., Scranton, Pa.
Selikowitz S. D. (Mill Agent), 90 West, New York

Smith David H. & Sons, foot of 51st, Brooklyn, N. Y.
See adv index at end of book

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Smith Thos. Co., 288 Grove, Worcester, Mass.
Southern California Iron & Steel Co., E 4th & Mateo, Los Angeles, Cal.
Steel Car Forge Co., Frick bldg., Pittsburgh, Pa.
Topping Bros., 156 Varick, New York
See adv index at end of book
Wood's T. B. Sons Co., Chambersburg, Pa.

1091a—Bolts (Monel Metal)

American Bolt Corp., Whitehall bldg, New York
See adv index at end of book
Atlas Bolt & Screw Co., Cleveland, O.
Autoscrew Co., 355 W B'way, New York City
Bell Co., The, Buffalo, N. Y.
Champion Mfg. Co., Chicago, Ill.
Chicago Screw Co., Homan av. and Fillmore, Chicago, Ill.
Clark Bros. Bolt Co., Millvale, Conn.
Everitt Co., 275 Franklin, Boston 9, Mass.
Gaskell & Son Wm., 59 Freeman, Brooklyn, N. Y.
Harvey Hubbell Inc., Bridgeport, Conn.
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall, New York (See insert under Monel Metal)
See adv index at end of book



Lamson & Sessions, Cleveland, O.
Merrill Bros., Maspeth, L. I.
National Acme Co., Cleveland, O.
Pacific Foundry Co., Harrison & 18th, San Francisco, Cal.
Pittsburgh Screw & Bolt Co., Pittsburgh, Pa.
Penn. Tack Co., Norristown, Pa.
Progressive Mfg. Co., Inc., Torrington, Conn.
Reed & Prince, Worcester, Mass.
Russell, Burdsall & Ward Nut & Bolt Co., Port Chester, N. Y.
St. Louis Screw Co., St. Louis, Mo.
Sholes, Inc., 186 Lafayette, New York City
Smith Co., Thomas, Worcester, Mass.
Steel Products Mfg. Co., Cicero, Ill.
Underwood Corp. H. B., Philadelphia, Pa.

1092— Bolts (Mooring Post)

Ames W. & Co., Jersey City, N. J.
Bayonne Bolt & Nut Co., Bayonne, N. J.
Bethlehem Steel Co., Bethlehem, Pa.
Galvanized Products Co., Phillipsburg, N. J.
Harrison Bolt & Nut Co., Harrison, N. J.
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall, New York (See insert under Monel Metal)
See adv index at end of book
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Western Automatic Machine Screw Co., Elyria, O.

1093— Bolts (Navy Brass)

AMERICAN BRASS CO., Waterbury, Conn.
See adv index at end of book
Bridgeport Brass Co. (For Various Purposes), Bridgeport, Conn.
Everitt Co, 267 Franklin, Boston, Mass.
See adv index at end of book
National Marine Lamp Co., Forestville, Conn.
St. Louis Screw Co., Clarence av E., St. Louis, Mo.
Waterbury Mfg. Co., Division Chase Co., Inc., Waterbury, Conn.
Zeigler Mfg. Co., Alexandria, Ind.

1094— Bolts (Neck)

Atlas Bolt & Screw Co., 1130 Ivanhoe Road, Cleveland, O.
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall, New York (See insert under Monel Metal)
See adv index at end of book
Laughlin Thos. Co. (Square), 135 Fore, Portland, Me.
See adv index at end of book
STANLEY WORKS (Wrought Steel), New Britain, Conn.
See adv index at end of book

1095—Bolts (Nut & Screw Ring)

Harrison Bolt & Nut Co., Harrison, N. J.
Laughlin Thos. Co., 135 Fore, Portland, Me.
See adv index at end of book
Marine Hardware-Equipment Co., South Portland, Me.
Pheoll Mfg. Co., 5700 W 12th, Chicago, Ill.
Wilcox, Crittenden & Co., Inc., Middletown, Conn. *See adv index at end of book*

1096— Bolts (Planer Head)

Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
Detroit Screw Works, 348 Franklin, Detroit, Mich.
Gary Screw & Bolt Co., Gary, Ind.
Harrison Bolt & Nut Co., Harrison, N. J.
Hartford Machine Screw Co., Hartford, Conn.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hope Wm. H. Co.e (Also Screws), Lowell, Mass.
Lake Erie Bolt & Nut Co., 905 E 63rd, Cleveland, Ohio
Maine Machine Works, 701 N. Main, Los Angeles, Cal.
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
Niagara Screw Co., 20 Lock, Buffalo, N. Y.
Pawtucket Mfg. Co., Pawtucket, R. I.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Rhode Island Tool Co., Providence, R. I.
Rochester Machine Screw Co., 15 Caledonia av, Rochester, N. Y.
St. Louis Screw Co., Clarence av E., St. Louis, Mo.
Smith Thos. Co., 288 Grove, Worcester, Mass.
Standard Shop Equipment Co., Inc. ("Cad"), Dept. H, 828 Tinicum, Phila., Pa.
Western Automatic Mach. Screw Co., Elyria, O.

1097-8— Bolts (Plow)

American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Bethlehem Steel Co., So. Bethlehem, Pa.
Bourne-Fuller Co., Hanna bldg, Cleveland, Ohio
CLARK BROS. BOLT CO., Millidale, Conn.
See adv index at end of book
Columbus Bolt Works Co., Columbus, O.
Foster Bolt & Nut Mfg. Co., Union av & E 72d, Cleveland, O.
Harrison Bolt & Nut Co., Harrison, N. J.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hoopes & Townsend Co., Broad & Buttonwood, Philadelphia, Pa.
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall, New York (See insert under Monel Metal)
See adv index at end of book
Kansas City Bolt & Nut Co., Sheffield Station, Kansas City, Mo.
KIRK-LATTY MFG. CO. (THE), 8500 Madison av, Cleveland, O.
See adv index at end of book
Lake Erie Bolt & Nut Co., ft E 63d, Cleveland, O.
Lamson & Sessions Co., 2188 Scranton rd, S W, Cleveland, O.
Larkin J. K. & Co., 253 Bway, New York
See adv index at end of book
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
Towers & Sullivan Mfg. Co., Rome, Ga.

1098— Bolts (Rim)

National Screw & Mfg. Co., The, 2440 E 75th, Cleveland, O.
See adv index at end of book

1099— Bolts (Ring)

Auer J. Jr., 199 Middleton av, Bklyn., N. Y.
Harrison Bolt & Nut Co., Harrison, N. J.
Harvey Spring & Forging Co., Racine, Wis.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Laughlin Thos. Co. (Screw, Nut & Rivet), 135 Fore, Portland, Me.
See adv index at end of book
Marine Hardware-Equip. Co., So. Portland, Me.
Steel Products Co., 2206 Clarkwood av S E, Cleveland, Ohio
Union Forging Co., Union, N. Y.
Wilcox Crittenden & Co., Inc., 444 S Main, Middletown, Conn.
See adv index at end of book

RING BOLTS

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WILCOX, CRITTENDEN & CO., Inc.
444 So. Main St., Middletown, Conn.

Bolts (Roof)

See Bolts, Bridge & Structural

1100—Bolts (Screw & Nut Eye)

American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
Ames W. & Co. (Screw), Woodward, Jersey City, N. J.
Bethlehem Steel Co., Bethlehem, Pa.
Ferry Cap & Set Screw Co., 2149 Scranton Rd., Cleveland, Ohio
Harrison Bolt & Nut Co., Harrison, N. J.
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Marine Hardware-Equipment Co., South Portland, Me.
Rawles James D Co, Inc., 74H Pearl, Boston, Mass.
Wilcox Crittenden & Co. Inc., 444 S Main, Middletown, Conn.
See adv index at end of book

1101— Bolts (Shackle)

American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
Bard Mfg. Co. (Spring Shackle), Royersford, Pa.
Blakeslee Forging Co. (Milled), Plantsville, Conn.
Bourne-Fuller Co., Hanna bldg, Cleveland, Ohio
BOWEN PRODUCTS CORP. (Spring with Integral Lubricators), Divs. Auburn, **N. Y.; Detroit, Mich.; Cleveland, O.; Minneapolis, Minn., & Windsor, Ont., Can.** *See adv index at end of book*
Brown Co. ("Brown" Spring for Automobiles), Syracuse, N. Y.
Buffalo Bolt Co., North Tonawanda, N. Y.
CLARK BROS. BOLT CO., Millidale, Conn.
See adv index at end of book
Detroit Screw Works, 348 Franklin, Detroit, Mich.
Ford-Clark Co., 2214 Clarkwood rd, Cleveland, O.
Foster Bolt & Nut Mfg. Co., Union av & E 72d, Cleveland, O.
Fostoria Screw Co., Fostoria, O.
Harrison Bolt & Nut Co., Harrison, N. J.
Lamson & Sessions Co., 2188 Scranton rd, S W, Cleveland, O.
Livermore Homer F., Inc., 85 Pearl, Boston, Mass.
Marine Hardware-Equipment Co., South Portland, Me.
Moore Franklin Co.. Winsted, Conn.
Morris Mach & Tool Co., Court & Harriet, Cincinnati, Ohio
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
St. Louis Screw Co., Clarence av E., St. Louis, Mo.
Standard Automatic Products Co., Corry, Pa.
Steel Products Co., 2206 Clarkwood av S E, Cleveland, Ohio
Western Automatic Machine Screw Co., Elyria, Ohio
Whitehouse E. A. Mfg. Co. (Spring), 44 Elm, Newark, N. J.
Zeigler Mfg. Co., Alexandria, Ind.

1102-3— Bolts (Shaft)

Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
Columbus Bolt Works Co. (T Head Shaft), Columbus, O.
Corbin Screw Corporation (Reverse Helicoid), New Britain, Conn.
Eagle Bolt & Forging Co., 1435 E 45th, Cleveland, O.
Harrison Bolt & Nut Co., Harrison, N. J.
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall, New York (See insert under Monel Metal)
See adv index at end of book
Lamson & Sessions Co., 2188 Scranton rd, Cleveland, Ohio

(Continued on following page)

Bolts (Shaft)—Continued

Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.

1104— Bolts (Shutter)

Ankyra Mfg. Co., 144 Berkley, Wayne Junct., Phila., Pa.
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall, New York (See insert under Monel Metal)
See adv index at end of book
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., Water & Wald, New Haven, Conn.
Stanley Works (Wrought Steel), New Britain, Conn.
Wrightsville Hardware Co., Wrightsville, Pa.

1105— Bolts (Sink)

American Screw Co., 21 Stevens, Providence, R. I.
Ankyra Mfg. Co., 144 Berkley, Wayne Junct., Phila., Pa.
Atlas Bolt & Screw Co. (Iron & Brass), 1130 Ivanhoe rd, Cleveland, O.
Berry Bros., Columbus, O.
Bourne-Fuller Co., Hanna bldg, Cleveland, Ohio
Corbin Screw Corporation, New Britain, Conn.
Foster Bolt & Nut Mfg. Co., Union av & E 72d, Cleveland, O.
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall, New York (See insert under Monel Metal)
See adv index at end of book
Kirk-Latty Mfg. Co. (The), 8500 Madison av, Cleveland, O.
See adv index at end of book
Lamson & Sessions Co., 2188 Scranton rd, S W, Cleveland, O.
New England Bolt Co., Everett, Mass.
Ohio Nut & Bolt Co., Berea, O.
Reed & Prince Mfg. Co., Worcester, Mass.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.

1106— Bolts (Sleigh Shoe)

Berry Bros., Columbus, O.
Bourne-Fuller Co., Hanna bldg, Cleveland, Ohio
Clark Bros. Bolt Co., Milldale, Conn.
See adv index at end of book
Corbin Screw Corporation (Plain & Reverse Helicoid), New Britain, Conn.
Foster Bolt & Nut Mfg. Co., Union av & E 72d, Cleveland, O.
Kirk-Latty Mfg. Co. (The), 8500 Madison av, Cleveland, O.
See adv index at end of book
Lake Erie Bolt & Nut Co., ft E 63d, Cleveland, O.
Lamson & Sessions Co., 2188 Scranton rd S W, Cleveland, O.
Moore Franklin Co., Winsted, Conn.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.

1107— Bolts (Socket)

Bethlehem Steel Co., So Bethlehem, Pa.
Bignall Co., Medina, N. Y.
Gary Screw & Bolt Co., Gary, Ind.
Indiana Foundry Co., Dept H, Indiana, Pa.
Marine Hardware Equipment Co., South Portland, Me.

1107a— Bolts (Special)

Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio
Everitt Co., 267 Franklin, Boston, Mass.
See adv index at end of book
Galvanized Products Co., Phillippsburg, Pa.
KIRK-LATTY MFG. CO. (THE), 8500 Madison av, Cleveland, Ohio
See adv index at end of book
NATIONAL SCREW & MFG. CO., THE, 2440 E 75th, Cleveland, O.
See adv index at end of book
Western Screw Products Co., 19 St. George, St. Louis, Mo.
Zeigler Mfg. Co., Alexandria, Ind.

1108— Bolts (Split)

Bethlehem Steel Co., Bethlehem, Pa.
Bourne Fuller Co., Hanna bldg, Cleveland, Ohio.
Harry L. C. Co., 114 Liberty, New York

1109— Bolts (Spring)

Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio
Bard Mfg. Co. (Spring Shackle), Royersford, Pa.
Bolles Wm. B. (Projected), P. O. Box 600M, Milwaukee, Wis.
Bourne-Fuller Co., Hanna bldg, Cleveland, Ohio
BOWEN PRODUCTS CORP., Auburn Div., Divs. Auburn, N. Y.; Detroit, Mich.; Cleveland, O.; Minneapolis, Minn., & Winsdor, Ont., Canada.
See adv index at end of book
Clark Bros. Bolt Co., Milldale, Conn.
See adv index at end of book
Ford-Clark Co., 2214 Clarkwood rd, Cleveland, O.
Fostoria Screw Co., Fostoria, O.
KIRK-LATTY MFG. CO. (THE), 8500 Madison av, Cleveland, Ohio
See adv index at end of book
Lake Erie Bolt & Nut Co., 905 E 63d, Cleveland, Ohio.
Lander, Nary & Clark, New Britain, Conn
Livermore Homer, Inc., 85 Pearl, Boston, Mass.
Stanley Works, New Britain, Conn.
See adv index at end of book
Steel Products Co., 2206 Clarkwood av S E, Cleveland, Ohio
Western Screw Products Co., 19 St. George, St. Louis, Mo.
Zeigler Mfg. Co., Alexandria, Ind.

1109a— Bolts (Square)

Bethlehem Steel Co., Bethlehem, Pa.
Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
Harrison Bolt & Nut Co., Harrison, N. J.
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Pittsburg Rivet Co., 38th & Junction R R, Pittsburg, Pa.
Stanley Works, New Britain, Conn.
See adv index at end of book

1110— Bolts (Stay)

See also Bolts, Boiler Stay
Bethlehem Steel Co., Bethlehem, Pa.
Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
Guarantee Engineering & Machine Co. "G. E. & M. Co."), 1001H N Main, Los Angeles, Cal.
Falls Hollow Staybolt Co., Cuyahoga Falls, Ohio
Flannery Bolt Co. ("Tate" Flexible & "F. B. C."), Vanadium bldg, Pittsburgh, Pa.
Fort Wayne Iron Steel Rolling Mills, W. Taylor, Fort Wayne, Ind.
Hoopes & Townsend Co. (Hollow & Solid Steel), **Broad & Buttonwood, Phila,** Pa.
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall, New York (See insert under Monel Metal)
See adv index at end of book
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
Lanz H. Bolt Co., 2907H Carson, Pittsburgh, Pa.
Larkin J. K. & Co., 253 B'dway, New York
See adv index at end of book
Ryerson Jos. T. & Son, Inc. (Seamless Hollow), 2558 W 16th, Chicago, Ill.
See adv index at end of book
St. Louis Screw Co., Clarence av E., St. Louis, Mo.

1111—Bolts (Steering Knuckle)

Peninsular Milled Screw Co., 4646 Lawton, Detroit, Mich.

1111a— Bolts (Step)

Kirk-Latty Mfg. Co. (The), 8500 Madison av, Cleveland, O.
See adv index at end of book

1112-13— Bolts (Stove)

(Names with * also manufacture Monel Metal)
American Equipment Co., Norristown, Pa.
American Screw Co., 21 Stevens, Providence, R. I.
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio
*Autoscrew Co., 355 W Broadway, New York
Berry Bros., Columbus, O.
Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
Clark Bros. Bolt Co., Milldale, Conn.
See adv index at end of book
Corbin Screw Corporation, **New Britain,** Conn.
*Everett Co., 275 Franklin, Boston 9, Mass.
Falls Rivet Co., Kent, O.
Fanner Mfg. Co., Cleveland, O.
Gary Screw & Bolt Co., Gary, Ind.
Harper F. C. Screw Works, 19 E 8th, Chicago, Ill.
Harrison Bolt & Nut Co., Harrison, N. J.
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall, New York (See insert under Monel Metal)
See adv index at end of book
Ireland & Matthews Mfg. Co., Beard & Chatfield, Detroit, Mich.
Kirk-Latty Mfg. Co. (The), 8500 Madison av, Cleveland, O.
See adv index at end of book
Lake Erie Bolt & Nut Co., 905 E. 63rd, Cleveland, Ohio
Lamson & Sessions Co., 2188 Scranton rd S W, Cleveland, O.
Larkin J. K. & Co., 253 Bway, New York
See adv index at end of book
Londeluis C. A. & Sons Co., 847 W 63rd, Chicago, Ill.
Merchant & Evans, Washington av & 21st, Philadelphia, Pa.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
National Lock Co., Rockford, Ill.
National Screw & Mfg. Co., 2440 E 75th, Cleveland, O.
See adv index at end of book
Ohio Nut & Bolt Co., Berea, O.
*Oliver Iron & Steel Co., Pittsburgh, Pa.
PAINE CO. (THE), 2951 Carroll av, Chicago, Ill.
Pawtucket Screw Co., 143 Hughes av, Pawtucket, R. I.
Reading Screw Co. (Also Nickel Plated), Norristown, Pa.
Reed & Prince Mfg. Co., Worcester, Mass.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
St. Louis Screw Co., Clarence av E., St. Louis, Mo.
*Sholes, Inc., 186 Lafayette, New York
Western Screw Mfg. Co., 4413-23 W Kinzie, Chicago, Ill.

1114—Bolts (Strap, Wagon Box)

Bethlehem Steel Co., So Bethlehem, Pa.
Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
Harvey Spring & Forging Co., Racine, Wis.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.

1115— Bolts (Stud)

American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
Ames W. & Co., Jersey City, N. J.
Arghis M. J. & Co., 432 4th av, New York
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio
Bethlehem Steel Co., So Bethlehem, Pa.
Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
Buffalo Bolt Co., North Tonawanda, N. Y.
Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
Clark Bros. Bolt Co., Milldale, Conn.
See adv index at end of book
Cleveland Wrought Products Co., W 58th & W. & L. E. Belt Line, Cleveland, O.
Corbin Screw Corp., New Britain, Conn.
Detroit Screw Works, 348 Franklin, Detroit, Mich.
Eastern Bolt & Nut Co., E Providence, Providence, R. I.
Everitt Co., 267 Franklin, Boston, Mass.
See adv index at end of book
Ferry Cap & Set Screw Co., 2151 Scranton rd S W, Cleveland, O.
Gary Screw & Bolt Co. (Rough & Milled), Gary Ind.
Greenlie-Halliday Co., 499 Water, New York
Hartford Machine Screw Co., Hartford, Conn.
Harper F. C. Screw Works, 19 E 8th, Chicago, Ill.
Harrison Bolt & Nut Co., Harrison, N. J.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hill Geo. Q. Co. Framingham, Mass.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall, New York (See insert under Monel Metal)
See adv index at end of book
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
Kansas City Bolt & Nut Co., Sheffield Station, Kansas City, Mo.
Kirk-Latty Mfg. Co. (The), 8500 Madison av, Cleveland, O.
See adv index at end of book
Lake Erie Bolt & Nut Co., 905 E 63rd, Cleveland, Ohio
Lamson & Sessions Co., 2188 Scranton rd S W, Cleveland, O.
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
Larkin J. K. & Co., 253 Bway, New York
See adv index at end of book
Maryland Bolt & Forge Co., Mt. Washington, Baltimore, Md.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
National Acme Co., 7500 Stanton av, S. E., Cleveland, O.
New Haven Screw Co. (To Order), 199 Foster, New Haven, Conn.
See adv index at end of book
New England Bolt Co., Everett, Mass.
Pawtucket Mfg. Co., Pawtucket, R. I.
Pittsburgh Screw & Bolt Co. (Rough & Milled), Preble av., Pittsburgh, Pa.
Republic Iron & Steel Co., Youngstown, O.
See Branch Offices, Alphabetical Section
Rhode Island Tool Co., Providence, R. I.
Rochester Machine Screw Co., 15 Caledonia av, Rochester, N. Y.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
St. Louis Screw Co., Clarence av E., St. Louis, Mo.
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
Scranton Bolt & Nut Co., Scranton, Pa.
Smith David H. & Sons, foot of 51st, Brooklyn, N. Y.
See adv index at end of book
Smith Thomas Co., 288 Grove, Worcester, Mass.
Southern California Iron & Steel Co., E 4th & Mateo, Los Angeles, Cal.
Standard Turnbuckle Co., Corry, Pa.
Steel Products Co., 2206 Clarkwood av S E, Cleveland, Ohio
Strieby & Foote Co., 301 Ogden, Newark, N. J.

Western Automatic Mach. Screw Co., Elyria, O.
Zeigler Mfg. Co., Alexandria, Ind.

1116— Bolts (Swing or Eye)

Harrison Bolt & Nut Co., Harrison, N. J.
Jencks E. Mfg. Co. (Wrought), 28 Union, Worcester, Mass.
Marine Hardware Equipment Co., South Portland, Me.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
Parker Wire Goods Co. (Wrought), Worcester, Mass.
Western Screw Products Co., 19 St. George, St. Louis, Mo.
Wickwire Spencer Steel Corp., 41 E. 42nd, New York
See adv index at end of book

1117— Bolts (Tap)

American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio
Bethlehem Steel Co., So Bethlehem, Pa.
Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
Buffalo Bolt Co., North Tonawanda, N. Y.
Cleveland Wrought Products Co., W 58th & W. & L. E. Belt Line, Cleveland, O.
CLARK BROS. BOLT CO. (& Set-Screws), Milldale, Conn.
See adv index at end of book
Corbin F. & F. ("Corbin"), Dept. H, New Britain, Conn.
Detroit Screw Works, 348 Franklin, Detroit, Mich.
Foster Bolt & Nut Mfg. Co., Union av & E 72d, Cleveland, O.
Galvanized Products Co., Phillipsburg, N. J.
Gary Screw & Bolt Co., Gary, Ind.
Greenlie, Wyatt & Co., 499 Water, New York
Harrison Bolt & Nut Co., Harrison, N. J.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Kansas City Bolt & Nut Co., Sheffield Station, Kansas City, Mo.
Lake Erie Bolt & Nut Co., ft E 63d, Cleveland, O.
Lamson & Sessions Co., 2188 Scranton rd S W, Cleveland, O.
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Maryland Bolt & Forge Co., Mt. Washington, Baltimore, Md.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
New England Bolt Co., Everett, Mass.
Pawtucket Mfg. Co., Pawtucket, R. I.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Republic Iron & Steel Co., Youngstown, O.
See Branch Offices, Alphabetical Section
Rhode Island Tool Co., Providence, R. I.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
Ryerson Jos. T. & Son, Inc., 2558 W. 16th, Chicago, Ill. *See adv index at end of book*
St. Louis Screw Co., Clarence av E., St. Louis, Mo.
Scranton Bolt & Nut Co., Scranton, Pa.
Smith David H. & Sons, foot of 51st, Brooklyn, N. Y.
Smith Thos. Co., 288 Grove, Worcester, Mass.
Western Automatic Machine Screw Co., Elyria, O.
Zeigler Mfg. Co., Alexandria, Ind.

1118— Bolts ("T" Head)

American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
American Equipment Co., Norristown, Pa.
Ames W. & Co., Jersey City, N. J.
Bethlehem Steel Co., Bethlehem, Pa.
Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
Buffalo Bolt Co., North Tonawanda, N. Y.
Cleveland Wrought Products Co., W 58th & W. & L. E. Belt Line, Cleveland, O.
Eagle Bolt & Forging Co. (Standard & Special), 1435 E. 45th, Cleveland, O.
Galvanized Products Co., Phillipsburg, N. J
Gary Screw & Bolt Co., Gary, Ind.
Harrison Bolt & Nut Co., Harrison, N. J.
Kansas City Bolt & Nut Co., Sheffield Station, Kansas City, Mo.
Lake Erie Bolt & Nut Co., 905 E 63rd, Cleveland, Ohio
Lamson & Sessions Co., 2188 Scranton rd, Cleveland, Ohio
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
Pittsburgh Rivet Co., 38th & Junction R R, Pittsburgh, Pa.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Reed & Prince Mfg. Co., Worcester, Mass
Rockford Bolt Co., 60 Mill, Rockford, Ill.
avs, St. Louis, Mo.
Russell Burdsall & Ward Bolt & Nut Co., Dept H, Port Chester, N. Y.
St. Louis Screw Co., Clarence av E., St. Louis, Mo.
Standard Shop Equipment Co., Inc. ("Cad"), Dept. H, 82nd & Tinicum, Philadelphia, Pa.
SWEET'S STEEL CO. (also Clips), Williamsport, Pa.

1119— Bolts (Thumb)

St. Louis Screw Co., Clarence av E., St. Louis, Mo.
Western Automatic Machine Screw Co., Elyria, Ohio

1120— Bolts (Tire)

American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
American Screw Co., 21 Stevens, Providence, R. I.
Atlas Bolt & Screw Co., Cleveland, O.
Berry Bros., Columbus, O.
Bourne Fuller Co., (Common, "Philadelphia"), Hanna bldg, Cleveland, Ohio
Clark Bros. Bolt Co., Milldale, Conn.
Columbus Bolt Works Co., Columbus, O.
Corbin Screw Corporation, New Britain, Conn.
Falls Rivet Co., Kent, O.
Foster Bolt & Nut Mfg. Co., Union av & E 72nd, Cleveland, O.
Harrison Bolt & Nut Co., Harrison, N. J.
Haydon A. & M., 304 N 22d, Phila., Pa.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall, New York (See insert under Monel Metal)
See adv index at end of book
KIRK-LATTY MFG. CO. (THE), 8500 Madison av, Cleveland, Ohio
See adv index at end of book
Lake Erie Bolt & Nut Co., 905 E 63rd, Cleveland, Ohio
Lamson & Sessions Co. ("Buckeye"), 2188 Scranton rd S W, Cleveland, O.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
National Screw & Mfg. Co., 2440 E 75th, Cleveland, O.
See adv index at end of book
New England Bolt Co., Everett, Mass.
Ohio Nut & Bolt Co., Berea, O.
Reading Screw Co., Norristown, Pa.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
Russell Burdsall & Ward Bolt & Nut Co., ("Empire"), Port Chester, N. Y.
Skelly Thos. P. Bolt Co., 24th & Carlton, Phila., Pa.

1121—*Bolts (Tobin Bronze)

AMERICAN BRASS CO., Waterbury, Conn.
See adv index at end of book
Everitt Co., 267 Franklin, Boston, Mass.
See adv index at end of book

1122— Bolts (Toggle)

Ankyra Mfg. Co. ("Ankyra"), 144 Berkley, Wayne Junct., Phila., Pa.
Bethlehem Steel Co., So. Bethlehem, Pa.
Bonnell W. A., 192 Chambers, New York.
Bolles Wm. B., P. O. Box 600M, Milwaukee, Wis.
Chicago Expansion Bolt Co. ("Chicago"), 324 W Washington, Chicago, Ill.
Chicago Nut Mfg. Co. ("Ajax"), 2513 W. Cullerton, Chicago, Ill.
Church Isaac, East Norwalk, Conn.
Cutter Geo. Co., South Bend, Ind.
DIAMOND EXPANSION BOLT CO. ("Diamond" Iron, Steel & Brass), 89 West, New York
See adv index at end of book
Garrison Brass & Machine Wks., 107 W 13th, New York
Grabler Mfg. Co., Cleveland, O.
Harrison Bolt & Nut Co., Harrison, N. J.
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall, New York (See insert under Monel Metal)
See adv index at end of book
National Metal Molding Co., 1110 Fulton Bldg., Pittsburgh, Pa.
PAINE CO. (THE), 2951 Carroll av, Chicago, Ill.
Parker Supply Co., 785 E 135th, New York
Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book
Star Expansion Bolt Co. ("Sebco," "Star," All Kinds), 147 Cedar, New York.
U. S. EXPANSION BOLT CO., 139 Franklin, New York
Waldman John J., 64 Murray, New York.
Wrigley Thos. Co. ("Wrigley," Patented Steel), 504 Sherman, Chicago, Ill.

1123—Bolts (Toggle, Boiler Patch)

INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall, New York (See insert under Monel Metal)
See adv index at end of book
Star Expansion Bolt Co., 147 Cedar, New York

1124— Bolts (Track)

American Bolt Co., Birmingham, Ala.
American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
American Equip. Co. (Steel), Norristown, Pa.
AMES W. & CO., Jersey City, N. J.
Arghis M. J. & Co., 432 4th av, New York
Ballard Drop Forge Co. ("Ballard"), Seattle, Wash.
Bethlehem Steel Co. ("Never Turn," "Mayari"), So. Bethlehem, Pa.
Bourne-Fuller Co., Hanna bldg, Cleveland, Ohio
Buffalo Bolt Co., North Tonawanda, N. Y.
Colorado Fuel & Iron Co., Denver, Colo.
Continental Bolt & Iron Works, 2225 W 43rd, Chicago, Ill.
Fishel & Marks Co., ft of Krakow av, Cleveland, Ohio
See adv index at end of book
Foster Bolt & Nut Mfg. Co., Union av & E 72nd, Cleveland, O.
Harrison Bolt & Nut Co., Harrison, N. J.
Hoopes & Townsend Co., Broad & Buttonwood, Philadelphia, Pa.
Illinois Steel Co., 208 S La Salle, Chicago
Inland Steel Co. (Heat Treated), 38 S. Dearborn, Chicago, Ill.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
Kansas City Bolt & Nut Co. ("Harvey Grip"), Sheffield Station, Kansas City, Mo.
Lake Erie Bolt & Nut Co., ft E 63rd, Cleveland, O.
Lamson & Sessions Co., 2188 Scranton rd S W, Cleveland, O.
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Lorain Steel Co., Johnstown, Pa.
Maryland Bolt & Forge Co., Mt. Washington, Baltimore, Md.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
National Bolt & Nut Co., 62nd & A. V. R. R., Pittsburgh, Pa.
New England Bolt Co., Everett, Mass.
Oliver Iron & Steel Co. (Threads Rolled or Cut in Oil), S 10th & Muriel, Pittsburgh, Pa.
Pidgeon-Thomas Iron Co., Memphis, Tenn.
Pittsburgh Forge & Iron Co., Chamber of Commerce bldg, Pittsburgh, Pa.
Pottsville Bolt Co., Pottsville, Pa.
Republic Iron & Steel Co., Youngstown, O.
See Branch Offices, Alphabetical Section
St. Louis Screw Co., Clarence av E., St. Louis, Mo.
Scranton Bolt & Nut Co., Scranton, Pa.
Steel Car Forge Co. (Rolled or Cut Thread), Frick bldg, Pittsburgh, Pa.
SWEET'S STEEL CO., Williamsport, Pa.
Track Specialties Co., Inc. (Dirs.), 2-4-5 Morris, New York

1124a—*Bolts (Transmission Tower)

AMERICAN BOLT CORP., Whitehall bldg, New York
See adv index at end of book

1124b— *Bolts (Transom)

Bourne Fuller Co., Hanna bldg., Cleveland, O.
Stanley Works, New Britain, Conn.
See adv index at end of book

1125—*Bolts (Trolley Span, Wire Work)

INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall, New York (See insert under Monel Metal)
See adv index at end of book
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

1126-7— Bolts ("U")

See also Staples, Nutted

American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
American Equipment Co., Norristown, Pa.
Ames W. & Co., Jersey, City, N. J.
Bethlehem Steel Co., Bethlehem, Pa.
Bourne Fuller Co., Hanna bldg., Cleveland Ohio
Galvanized Products Co., Phillipsburg, N. J.
Harrison Bolt & Nut Co., Harrison, N. J.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
Kansas City Bolt & Nut Co., Sheffield Station, Kansas City, Mo.
Kirk-Latty Mfg. Co. (The), 8500 Madison av, Cleveland, O.
See adv index at end of book
Lake Erie Bolt & Nut Co., 905 E 63rd, Cleveland, Ohio
Lamson & Sessions Co., 2188H Scranton rd, Cleveland, Ohio
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
Merrill Bros., 3 Arnold, Maspeth (Boro. of Queens), New York
See adv index at end of book
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
Ohio Nut & Bolt Co., Berea, O.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.

(Continued on following page)

Bolts ("U")—Continued

Pittsburgh Rivet Co., 38th & Junction R R, Pittsburgh, Pa.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
Standard Turnbuckle Co., Corry, Pa.
St. Louis Screw Co., Clarence av E., St. Louis, Mo.
Zeigler Mfg. Co., Alexandria, Ind.

1128— Bolts (Wall Plate)

Ankyra Mfg. Co., 144 Berkley, Wayne Junct., Phila., Pa.
Republic Structural Iron Wks. Co., 1350 E 53rd, Cleveland, O.
ST. PAUL FOUNDRY CO., Como av S, Mackugin, St. Paul, Minn.
See adv index at end of book

1129—Bolts (Water Closet Indicator)

Ankyra Mfg. Co., Wayne Junction, Phila., Pa.
Columbus Brass Co., 620 Dublin av, Columbus, Ohio
See adv index at end of book
Edwardsville Brass Co., Edwardsville, Ill.
Penn Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
United States Hdwe. & Mfg. Co., 16H Warren av, Pawtucket, R. I.

1130— Bolts (Whiffletree)

American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
Atwater Mfg. Co., Plantsville, Conn.
Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
Columbus Bolt Works Co., Columbus, O.
Eagle Bolt & Forging Co., 1435 E 45th, Cleveland, O.
Harrison Bolt & Nut Co., Harrison, N. J.
Lamson & Sessions Co., 2188 Scranton rd, S W, Cleveland, O.
Marine Hardware-Equipment Co., South Portland, Me.
Moore, Franklin Co., Winsted, Conn.
Russell Burdsall & Ward Bolt & Nut Co. (Dirs), Dept H, Port Chester, N. Y.

1130a—Bolts & Screws (Special)

Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio
Bell David Co., Inc. (The) ("S. A. E." Screws & Bolts), 1555 Fillmore av, Buffalo, N. Y.
See adv index at end of book
Blancke A. C. & Co., 602 W Lake, Chicago, Ill.
Central Tool & Supply Co. (Wholesale), 803 W Madison, Chicago, Ill.
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall, New York (See insert under Monel Metal)
See adv index at end of book
Lebanon Iron Co., Dept H, Lebanon, Pa.
Reed & Prince Mfg. Co., Dept H, Worcester, Mass.
Rochester Machine Screw Co., 15 Caledonia av, Rochester, N. Y.
RYERSON JOS. T. & SON (Merchants), 910 Corn Exchange bldg, & 16th & Rockwell, Chicago, Ill.; 2218 N 2nd, St. Louis, Mo.; 30 Church, New York; 726 Ford bldg, Detroit, Mich.
See adv index at end of book
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Trum E. J., Inc., 57 3rd, Brooklyn, N. Y.

1131— Bone-Ash

Chrystal Chas. B. Co., Inc., 13 Cliff, New York
See adv index at end of book
Cooper Chas. & Co., 1944 Worth, New York
Denver Fire Clay Co., 1746 Champa, Denver, Col.
Drakenfeld B. F. & Co., Inc. (Sales Agents), 50 Murray, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
United Chem. & Organic Products Co., 111 Washington, Chicago, Ill.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

JOHN C. WIARDA & CO.
83 Provost St., Brooklyn, N. Y.
MANUFACTURING CHEMISTS

1132— Bone Black

See also Rawbone, Granulated
American Agricultural Chemical Co., 2 Rector, New York
Baker H. J. & Bro. (Discard, Dissolved, etc., Dealers), 81 Fulton, New York
Baugh & Sons Co., 20 S Delaware av, Phila., Pa.
BINNEY & SMITH CO. (& Blacks of Every Description), 41 E 42nd, New York
Blumer A. M., 433 California, San Francisco, Cal.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa.
See adv index at end of book
Fezandie Felix. 205 Fulton, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Listers Agricultural Chemical Works, 2 Rector, New York
Michigan Carbon Works, 7 Formon, Detroit, Mich.
Riddle Chemical Co., Inc., 35 S Dearborn, Chicago, Ill.
Seaver & Co., 3 Tremont row, Boston, Mass.
Siemon & Elting, 99 Nassau, New York
Smith J. Lee & Co., 19 Jacob, New York
Uhlich Paul & Co. (Selling Agent), 11 Cliff, New York

Bone Crushers

See Mills (Grinding and Crushing)

1133— Bone Dealers

Baker H. J. & Bro. (Rough & Ground, Imp.), 81 Fulton, New York
Brand, Herman, 404 E 48th, New York
Consolidated Rendering Co. (for Case Hardening), 40 N Market, Boston, Mass.
Dold Jacob Packing Co. (Steamed Bone), Buffalo, N. Y.
Hollingshurst & Co., Inc. (Importers), 29 Broadway, New York
Pittsburgh Provision & Packing Co. (Sawed, etc.), Herrs Island, Pittsburgh, Pa.
Van Iderstine Co. (Steamed Ground), Long Island City, New York
White Thos. H. & Co., 11 S Gay, Baltimore, Md.
Wilson & Co., 41st & Ashland av, Chicago, Ill.

1134— Bone (Ground)

Ashcraft Wilkinson Co., Trust Co. of Ga. bldg, Atlanta, Ga.
Baugh & Sons Co., 20 S Delaware av, Phila., Pa.
Bell & Gossett (Case-Hardening), 609 W 30th, Chicago, Ill.
Dockwiler & Kingsbury Co., 30th & Emerson av, Indianapolis, Ind.
Fergusson, Alex. C., Jr., 474 Chestnut **Phila., Pa.** ***See adv index at end of book***
Hafleigh & Co. Cambria & No American, Phila., Pa.
Page Carroll S., Hyde Park, Vt.
Pittsburgh Provision & Packing Co., Herrs Isl., Pittsburgh, Pa.
Rogers Mfg. Co., Rockfall, Conn.
Rogers & Hubbard Co., Middletown, Conn.
United By-Products Co., Inc., 2457 Hunter, Los Angeles, Cal.
Wilson & Co., 41st & Ashland av, Chicago, Ill.

1135— Bone-Meal

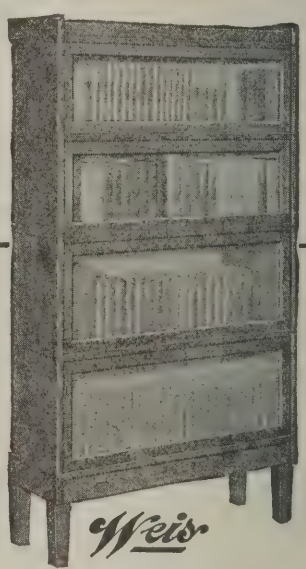
See also Bone-Black; also Rawbone, Granulated
American Agricultural Chemical Co., 2 Rector, New York
Armour Fertilizer Works, U. S. Yards, Chicago, Ill.
Ashcraft Wilkinson Co., Trust Co. of Ga. bldg, Atlanta, Ga.
Baker H. J. & Bro. (Importers of Calcutta, Bombay, etc), 81 Fulton, New York
Baugh & Sons Co., 20 S. Delaware av, Phila., Pa.
Carstens Packing Co, Tide Flats, Tacoma, Wash.
Consolidated Rendering Co., 40 N Market, Boston, Mass.
Cooper's Peter Glue Factory, Gowanda, N. Y.
Fergusson, Alex. C., Jr., 474 Chestnut **Phila., Pa.** ***See adv index at end of book***
Hafleigh & Co., Cambria & No. America, Phila., Pa.
Hollingshurst & Co., Inc. (Raw Imp.), 29 Broadway, New York
Nitrate Agencies Co. (Imp.), 102 Pearl, New York
Pittsburgh Provision & Packing Co. (Raw), Herrs Isl, Pittsburgh, Pa.
Riddle Chemical Co., Inc., 35 S Dearborn, Chicago, Ill.
See adv index at end of book
Swift & Co., Union Stock Yards, Chicago, Ill.
United By-Products Co., Inc., 2457 Hunter, Los Angeles, Cal.
White Thos. H. & Co. (Importers), 11 S Gay, Baltimore, Md.

1135a— Bone (Steamed)

United Chemical & Organic Products, 4200 S Marshfield, Chicago, Ill.

1136— Book Cases

Acme Kitchen Furniture Co., W 1st, Chattanooga, Tenn.
Aimone Mfg. Co. (Combination), 430 E 23d, New York
Andrews A. H. Co. (Combination, Revolving & Sectional), 107 S Wabash av, Chicago, Ill.
Art Metal Construction Co. (Steel), Jamestown, N. Y.
Automatic File & Index Co. (Sectional), Green Bay, Wis.
Buchanan Cabinet Co. (Revolving), Buchanan, Mich.
Central Wood Turning Co. (To Order) 610 N E Main, Minneapolis, Minn.
Conrey D. L. Furniture Co. (Combination), Shelbyville, Ind.
Co-Operative Furniture Co. (Combination), Rockford, Ill.
Dexter H. C. Chair Co. (Mission), Black River, N. Y.
Diven Mfg. Co. (Sectional), Elmira, N. Y.
Dornette J. & Bro. Co. (Sectional), 1250 Harrison av, Cincinnati, O.
GLOBE-WERNICKE CO. (THE), 25 Carthage av, Cincinnati, Ohio
See adv index at end of book
Grand Rapids Bookcase & Chair Co., Hastings, Mich.
Gunn Furniture Co. (Sectional), Grand Rapids, Mich.
Hale F. E. Mfg. Co. (Sectional), Herkimer, N. Y.
Ideal Desk Co. (Sectional Folding), Auburn, Me.
Library Bureau (Sectional), Dept H, Cambridge, Mass.
Lundstrom C. J. Mfg. Co. (Sectional), Little Falls, N. Y.
Macey Co. (Sectional), Grand Rapids, Mich.
New Farson Mfg. Co., Chester, Pa.
Rockford Standard Furniture Co. (Combination), Rockford, Ill.
Snead & Co. (Metallic), Jersey City, N. J.
Udell Works, Indianapolis, Ind.
WEIS MFG. CO., THE (Sectional), Monroe, Mich.
See adv index at end of book



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Have many exclusive features worthy of your consideration before purchasing a bookcase of any kind. The patented door guide enables one to easily operate the receding door without sticking or binding. The dust shield prevents dust from settling and door from scraping on top of books. An arrangement of sections can be made to fit most any space and in woods and finishes which will harmonize with present furnishings. Send for bookcase Catalog No. 25 in colors. If interested in office filing equipment and supplies, ask for Catalog 24.

The Weis Manufacturing Co.
132 Union Street, Monroe, Michigan
A. H. Denny, Inc., 52 Park Place, New York

Welch W. M. Scientific Co., 1516 Orleans, Chicago, Ill.

Book Stacks (Fire-Proof)

See Library Shelving & Fittings, Metallic

1137—Books (Copying, Letter)

Bailey Mfg. Co., Berlin, Conn.
Boorum & Pease Co., 84 Hudson av, Brooklyn, N. Y.
Bushnell Alvah Co., 925 Filbert, Phila., Pa.
Mann Wm. Co., 529 Market, Phila., Pa.
Newton Automatic Lettering Pen Co., Pontiac, Mich.
Razall H. G. Mfg. Co., 300 7th av, Milwaukee, Wis.
Shaw J. G. (The) Blank Book Co., 72 Walker, New York
Whittelsey F. H. Co., Windsor Locks, Conn.

1137a— Books (Coupon)

Allison Coupon Co., 586 E Market, Indianapolis, Ind.
Rand McNally & Co. (Self-Indicating), 538 S Clark, Chicago, Ill.
Southern Coupon Co., Birmingham, Ala.
Stromberg Allen & Co., 430 S Clark, Chicago, Ill.

1138— Books (Field)

Keuffel & Esser Co., Hoboken, N. J.

1138a— Books (Invoice)

WEIS MFG. CO., THE, Monroe, Mich.
See adv index at end of book

1139— Books (Level)

Keuffel & Esser Co., Hoboken, N. J.

1140— *Books (Meter)

BUFFALO METER CO., 2921 Main, Buffalo, N. Y. *See adv index at end of book*

1140a— Books (Scrap)

WEIS MFG. CO., THE, Monroe, Mich.
See adv index at end of book

1141— Booms (Loading)

Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Fairmont Mining Machy. Co., Fairmont, W. Va.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
LINK-BELT COMPANY (For Coal, etc.), 300 W. Pershing rd, Chicago, Ill.
See adv index at end of book
Stephens-Adamson Mfg. Co. ("S.-A." Coal), Aurora, Ill.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book

1142— Boosters (Electric)

Allis Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Crocker-Wheeler Co., Ampere, N. J.
Ridgway Dynamo & Engine Co., Ridgway, Pa.
Triumph Electric Co., Oakley, Cincinnati, Ohio

1143— Boosters (Gas)

American Gas Furnace Co., Elizabeth, N. J.
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Western Gas Consolidation Co., 1431 Buchanan, Ft. Wayne, Ind.

1143a— Boosters (Vacuum)

Schutte & Koerting Co., 1251 N 12th, Phila., Pa.
See adv index at end of book
Sullivan Machinery Co. ("Cyclone" Air Lift), People's Gas bldg, Chicago, Ill.

1144—Booths (Moving Picture Machine)

EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
Holzer R. G. (Est of), 317 Burgundy, New Orleans, La.
Johns-Manville Inc. (Asbestos wood & cloth), Madison av & 41st, New York
Louisiana Metal Cabinet Wks., New Orleans, La.
Sharlow Bros. Co., 442 W. 42nd, New York
Western Steel Products Co., New Duluth, Minn.

1144a—Booths (Paint & Varnish Spraying)

Peerless Pneumatic Systems, Inc., 108 N Jefferson, Chicago, Ill.

Booths (Telephone)

See Telephone Cabinet Work

1145— Bootjacks

Estes E. B. & Sons, 364 Fifth av, New York *See adv index at end of book*
Grey Iron Casting Co. (Cast), Mt. Joy, Pa.
Nicol & Co. ("Bull Dog"), 218 N Jefferson, Chicago, Ill.

1146— Boots (Elevator)

Barnard & Leas Mfg. Co. ("Perfection" Iron & Wood, etc.), 403 20th, Moline, Ill.
BARTLETT & SNOW CO. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Batavia Engineering Works, Batavia, Ill.
Caldwell H. W. & Son Co. ("Caldwell" Self-Oiling, etc), 17th & Western av, Chicago, Ill.
Caldwell W. E. Co., Brook, Louisville, Ky.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Dodge Mfg. Corp., Mishawaka, Ind.
Graver Wm. Tank Works, East Chicago, Ind.
Great Western Mfg. Co., Leavenworth, Kans.
Gump B. F. Co., 431 S. Clinton, Chicago, Ill.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
JONES W. A. FOUNDRY & MACHINE CO., 4442 W Roosevelt rd, Chicago, Ill.
LINK-BELT COMPANY, 300 W. Pershing rd, Chicago, Ill.
See adv index at end of book
Littleford Bros. (Steel), 444 E Pearl, Cincinnati, O.
See adv index at end of book
Marseilles Works of Deere & Co., East Moline, Ill.
Moore & Lorenz Co., 2144 W Fulton, Chicago, Ill.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Robinson H. Mfg. Co., Muncy, Pa.
Specialty Engineering Co., Trenton & Allegheny, Phila., Pa.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Standard Sand & Machine Co., 5150 St. Clair av, Cleveland, O.
Stephens-Adamson Mfg. Co. ("S.-A."), Aurora, Ill.
United Iron Works Co., Inc., Kansas City, Mo.
Walker & Elliott ("Wood & Iron"), Wilmington, Del.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.
Wolf Co., Chambersburg, Pa.

1147—Boots (Horse Lawn, Etc.)

Curtis Dexter Co., Madison, Wis.
Fennell John J. & Sons, Cynthiana, Ky.
Langstroth T. W., 77 Warren, New York
Zink Collar Pad Co., Buchanan, Mich.

1148— Boots (Hunting)

Arrah-Wanna Moccasin Co., Brockton, Mass.
Witchell-Sheill Co. ("Witch-Elk"), 168 Brooklyn, Detroit, Mich.

1149—Boots (Leather, Wooden Sole)

Riemer Albert H. Shoe Co., 431 29th, Milwaukee, Wis.

1150—Boots (Sewer Connection)

CANTON FDRY. & MACH. CO., Canton, Ohio *See adv index at end of book*

1151—Boots (Steering Knuckle)

Allen Auto Specialty Co., 16 W 61st, New York
Gilbert Mfg. Co., New Haven, Conn.

1152—Boots & Shoes (Felt)

Blum Shoe Mfg. Co. (Also Wool Lined), Dansville, N. Y.
Dolgeville Felt Shoe Co., Dolgeville, N.Y.
Draper Bros. Co., Canton, Mass.
Green Daniel Felt Shoe Co., Boston, Mass.
Hastings Wool Boot Co., Hastings, Mich.
Little Falls Felt Shoe Co., Little Falls, N. Y.
Medford Woolen Mfg. Co., Medford, Mass.
Standard Felt Co., Alhambra, Cal.

1153—Boots & Shoes (Rubber)

ALTON INTERNATIONAL INDUSTRIES (Shoes), 118 William, New York
American Rubber Co., 130 Essex, Boston, Mass.
Apsley Rubber Co., Hudson, Mass.
Banner Rubber Co., 208 N 4th, St. Louis, Mo.
Bates J. E. & Co. ("Ironwear" Leather Sole), 202 Church, New York
Beacon Falls Rubber Shoe Co., Beacon Falls, Conn.
Bourn Rubber Co., 58 Warren, Providence, R. I.
Converse Rubber Shoe Co., Malden, Mass.
Firestone-Apsley Rubber Co., Hudson, Mass.
Goodall Rubber Co., 8th & Locust, Phila., Pa.
Goodrich B. F. Co., Akron, O.
Goodyear's Metallic Rubber Shoe Co., Naugatuck, Conn.
Goodyear Rubber Co., 539 Mission, San Francisco, Cal.
Hood Rubber Co., Watertown, Mass.
La Crosse Rubber Mills Co., La Crosse, Wis.
Lambertville Rubber Co., Lambertville, N. J.
Mishawaka Woolen Mfg. Co., Mishawaka, Ind.
Mulconroy Co. ("7 League," Leather Soled with Iron Heels), 54th & Jefferson, Phila., Pa.
National India Rubber Co., Bristol, R. I.
Rubberhide Co. ("Rubberhide" Leather Sole), 212 Essex, Boston, Mass.
U. S. RUBBER CO. ("American," "Keds," "Meyer," "U. S."), 1790 Broadway, New York *See adv index at end of book*
Woonsocket Rubber Co., Woonsocket, R. I.

1154—Boots & Shoes (Wool)

Hastings Wool Boot Co., Hastings, Mich.
Mishawaka Woolen Mfg. Co., Mishawaka, Ind.

1155— Borax

American Trona Corp. ("Three Elephant"), I. W. Hellman bldg, Los Angeles, Cal.
Cooper & Cooper, Inc., 23H Cliff, New York
Croton Chemical Co. (Refined), 293 B'way, New York
Denver Fire Clay Co. (Glass), Denver, Colo.
Dixon Wm. (All Kinds for Soldering), 119 Fulton, New York
Drakenfeld B. F. & Co., Inc. (Sales Agents), 50 Murray, New York
Fergusson, Alex. C., Jr., 474 Chestnut Phila., Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Inyo Chemical Co., Santa Fe bldg, San Francisco, Cal.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Pacific Coast Borax Co. (Refined), Oakland, Cal., & Bayonne, N. J.
Pfizer Chas. & Co. (Crystals, Powdered & Granular), 81 Maiden la, New York
Powers-Weightman-Rosengarten Co., 916R Parrish, Phila., Pa.
Rhodes Salt & Borax Co., San Francisco, Cal.
Riddle Chemical Co., Inc. (Crystals Powder), 35 S Dearborn, Chicago, Ill.
See adv index at end of book
Riverside Mfg. Co., 4528 S B'way, St. Louis, Mo.
Stauffer Chemical Co. (Powdered Crystals)), 624 California, San Francisco, Cal.
Union Borax Co., Bradbury bldg, Los Angeles, Cal.
Vitro Manfg. Co. (Refined Granulated), H. Bessemer bldg, Pittsburgh, Pa.
WIARDA JOHN C. & CO., 83 Provost, Brooklyn, N. Y.
See adv index at end of book

JOHN C. WIARDA & CO.
83 Provost St., Brooklyn, N. Y.
MANUFACTURING CHEMISTS

1155a— Bordeaux

Fergusson, Alex. C., Jr., 474 Chestnut **Phila., Pa.** *See adv index at end of book*
Leggett & Bro. (Mixture), 301 Pearl, New York
National Gum & Mica Co., 12 West End av, New York

1156— Borers (Bung Hole)

Buecker Henry F., Newport, Ky.
Enterprise Mfg. Co. (of Pa.), 3d & Dauphin, Phila., Pa.
Hynson Tool & Supply Co. ("Hynson" Borer & Reamer), 4758 Easton av, St. Louis, Mo.
Oram John S Co. ("Oram's " Hand), 5240 Hamilton av, Cleveland, O.
Redlich Mfg. Co., 637-647 W Oak, Chicago, Ill.
Swan Jas. Co. (Graduated & Ring), Seymour, Conn.
United States Bung Mfg. Co. ("Kirby"), 48 S 2d, Brooklyn, N. Y.

1156a— Borers (Cork)

Central Scientific Co., 460 E. Ohio, Chicago, Ill.
Daigger A. & Co., 54 W Kinzie, Chicago, Ill.
Eimer & Amend, 205 E 18th, New York
Scientific Utilities Co., Inc., 18 E 16th, New York

Borers (Ratchet Corner)

See Bit Braces

1157— Borers (Tap)

Buffum Tool Co. ("Swastika" Plumbers'), South Side, Louisiana, Mo.
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
Ives W. A. Mfg. Co. ("Mephisto," "Ives," "Enterprise Pattern"), Wallingford, Conn.
Jennings C. E. & Co. ("C. E. J. & Co.'s"), 71 Murray, New York
Lowentraut P. Mfg. Co. ("W-S"), 36 Brenner, Newark, N. J.
Osborne C. S. & Co., Box 183 Newark, N. J. *See adv index at end of book*
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Stortz Jno. & Son, 210 Vine, Phila., Pa.

1157a—Borings (Test, Core, Wash & Foundation)

Healey P. J. (For Foundations), 26 Cortlandt, New York
Sweeney & Gray, 83-85 6th, Long Island City

1157b—Boro-Phosphate Crystal

Kalbfleisch Corp. (C. A. Solvent for Casein), 200 5th av, New York

1158— Boron Carbide

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*

Bortz

See Carbons, Black Diamonds & Bortz

1159-60—Boshes (Mechanical)

Columbiana Boiler Co., Columbiana, O.
Heyl & Patterson, 51 Water, Pittsburgh, Pa.
Meehan Boiler & Const. Co., Lowellville, Ohio

Bottle Cappers

See Bottle Capping Machines

1161—Bottle Fillers (Milk, Etc.)

Champion Milk Cooler Co., Cortland, N. Y.
Creamery Package Mfg. Co., 61 W Kinzie, Chicago, Ill.
Davis-Watkins Dairymen's Mfg. Co., Dept. H, North Chicago, Ill.
Western Dairy Supply Co., 729 E Washington, Los Angeles, Cal.
Wright R. G. & Co., 98 Eagle, Buffalo, N. Y.

1162— Bottle Racks (Milk)

Atlas Mfg. Co., 125 Water, New Haven, Conn.
Pioneer Wire Works, 133-135 Federal, Camden, N. J.
Smith Jno. P. & Co., New Haven, Conn.
Washburn Co. (Andrews Division), Preston, Rockford, Ill.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

1163—Bottle Wrappers (Corrugated)

Gair Robert Co., 350H Madison av, New York
Hinde & Dauch Paper Co. (The), ("Climax"), 253 Water, Sandusky, O.
See adv index at end of book
Illinois Glass Co., Alton, Ill.
Interstate Corrugated Box Co., 75 Front, Brooklyn, N. Y.
Lawrence Paper Mfg. Co., Lawrence, Kans.
National Paper Products Co., 528 Battery, San Francisco, Cal.
See adv index at end of book
Nivision-Weiskopf Co., Main, Cincinnati, O.
Oshkosh Bottle Wrapper Co., Oshkosh, Wis.
Sefton Mfg. Corp., 1301 W 35th, Chicago, Ill.
Thompson & Norris Co. The, 212 Concord, Brooklyn, N. Y.
Warner & Childs Co., Medford, Mass.

1163a—Bottle Wrappers (Excelsior)

BOSTON EXCELSIOR CO., 562 W. 29th, New York
EXCELSIOR WRAPPER CO., Sheboygan, Wis.
EXCELSIOR WRAPPER CO., 224 W Kinzie, Chicago, Ill.
EXCELSIOR WRAPPER CO., Grand Rapids, Mich.

1164— Bottles (Aluminum)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
Buckeye Aluminum Co. ("Real Solid," Seamless), Wooster, O.

1165-6— Bottles (Cubic Foot)

American Meter Co., 17th & Clearfield, Phila., Pa.
Braun-Knecht-Heiman Co., 576-584 Mission, San Francisco, Cal.

Bottles (Fibre)

See Cans, Fibre

1167— Bottles (Glass)

CALIFORNIA.

LONG BEACH—Long Beach Glass Co.
LOS ANGELES—Co-operative Glass Co., Richmond & Daly
McLaughlin Glass Co., 1900 E. 52nd
Southern California Glass Co., 2501 E 26th
SAN FRANCISCO—Braun-Knecht-Heiman Co., 576-584 Mission.
Illinois-Pacific Glass Co. (Amber, Green & Flint, of all Descriptions), 15th & Folsom
Pacific Coast Glass Works ("P. C."), 7th & Irwin

ILLINOIS.

ALTON—Illinois Glass Co.
BELLEVILLE—American Bottle Co. (See Chicago, Ill.)
CHICAGO—American Bottle Co., 38 S Dearborn. Works: Newark, O., & Streator, Ill.
Foster A. M. & Co., 6 E. Lake
Illinois Glass Co., 402 W Randolph (See Alton, Ill.)
Western Bottle Mfg. Co., 402 W Randolph
EAST ST. LOUIS—Obear-Nester Glass Co. (See St. Louis, Mo.)
HILLSBORO—Schram Glass Mfg. Co. (See St. Louis, Mo.)
STREATOR—American Bottle Co. (See Chicago, Ill.)
Thatcher Mfg. Co. (Milk)

INDIANA.

ANDERSON — Pennsylvania Glass Co. (Flint)
DUNKIRK—Hart Glass Mfg. Co. (Vinegar, Catsup, Grape Juice, Packers' Preservers, Medicine, etc.)
FAIRMOUNT—Bell Mfg. Co.
GAS CITY—Thompson Bottle Co. (Prescription, Beer, Wine, Soda, Brandy, Proprietary Medicine, Packers' & Preservers') (See Illinois Glass Co., Alton, Ill.)
U. S. Glass Co. (See Pittsburgh, Pa.)
GREENFIELD—Ball Bros. Glass Mfg. Co. (See Muncie, Ind.)
INDIANAPOLIS—Fairmount Glass Works (Flint, Amber, Green & Blue), S Keystone av & Belt
KOKOMO—Jenkins D. C. Glass Co. (Milk, Cherry & Olive)
LAPEL—Lapel Bottle Co.
MARION—Marion Flint Glass Co. (Prescription, Wine, Beer, Soda, Packers', Preservers')
Standard Glass Co.
MUNCIE—Ball Bros. Co.
TERRE HAUTE—North Baltimore Bottle Glass Co. (Beer, Soda, Wine, Brandy, etc)
Turner Bros. Co. (Flint & Amber)
WINCHESTER — Woodbury Glass Co. (Flint, Brandy, Machine, Machine Oil, Manganese, Blueing, Screw Cap, etc, also Flasks)
YORKTOWN—Skillen-Goodin Glass Co. (Catsup, Condiment, Prescription, Extract, Pickle)

MARYLAND.

BALTIMORE—Buck Glass Co. (All Kinds of Hand & Machine Blown Flint Glass Bottles), Fort av & Lawrence
Carr-Lowrey Glass Co. (Druggists', Chemists' & Perfumers' Glassware), Westport
Swindell Bros. (Druggists', Chemists', Perfumery Green Amber), Bayard & Russell
MOUNT WINANS—Maryland Glass Corporation

MISSOURI.

ST. LOUIS—Obear-Nester Glass Co., 2d & Chestnut; Works: East St. Louis, Ill.
Schram Glass Mfg. Co., Fred Reserve Bk. bldg. Works: Hillsboro, Ill.

NEW JERSEY.

BRIDGETON—Cumberland Glass Mfg. Co. (Prescription, Beer, Wine, Brandy, Soda, Packers)
More Jonas Glass Co. (Prescription, Packers', Preservers')
Parker Bros. Glass Mfg. Co. (Green Prescription, Beer, Soda, Wine, Brandy, Packers', Preservers')
CAPE MAY COURT HOUSE—Cape May Glass Co.
CLAYTON—Pierce F. M. & Co. (Prescription, Proprietary Medicine)
GLASSBORO — Whitney Glass Works (Green, Flint, Prescription, Packers', Preservers')
MEDFORD—Star Glass Co. Ltd. (Prescription, Beer, Wine, Soda, Brandy)
MILLVILLE — Millville Bottle Works (Prescription, Proprietary Medicine)
Wheaton T. C. Co.
Whitall Tatum Co. (See Phila., Pa.)
MINOTOLA—Minotola Glass Co.
OLD BRIDGE—Brookfield Glass Co. (See New York City)
SALEM—Gayner Glass Works (Large Ware)
Salem Glass Works (All Kinds)

NEW YORK.

BINGHAMTON — Binghamton Glass Co. (Prescription, Beer, Soda, Wine, Brandy, Packers', Preservers')
CORNING—Corning Glass Works
ELMIRA—Thatcher Mfg. Co. (Milk, Flint, Glass)
LANCASTER—Industrial Glass Co.
LOCKPORT—Lockport Glass Co. (Milk Bottles Only)

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN — Demuth Glass Mfg. Co., Gardner av
Gleason-Tiebout Glass Co., 93 Commercial
Williamsburg Flint Glass Co., 260 Boerum

Boroughs of Manhattan and Bronx.

NEW YORK—Bottlers' & Mfrs.' Supply Co., 792 E 133rd. Works: Brooklyn, N. Y.
Wagner Glass Works (Acid & Skim Milk Test), 697 E 132d
Whitall Tatum Co. (Prescription, Ink, Mucilage, Sauce, Catsup, Mustard, Wine, Water, Perfumes, Vials, etc.), 48 Barclay
Wildman-Treherne (Druggists), 85 Franklin

Borough of Queens.

LONG ISLAND CITY—Bottlers' & Mfrs.' Supply Co. (See New York)

End of New York City

OLEAN—Acme Glass Co.
ROCHESTER—Reed F. E. Glass Co.

OHIO.

BELLAIRE—Bellaire Bottle Co. (Flint, Prescription & Druggists')
BUTLER—Butler Bottle Co. (Milk Bottles Only)
CAMBRIDGE—Cambridge Glass Co. (Balsam)
CINCINNATI—Boldt Chas. Co., Davis Ln. & Penn. Ry. Works: Muncie, Ind.
Nivison-Weiskopf Co., 318 Elm. Works: Reading, O.
COLUMBUS—Federal Glass Co.
Winslow Glass Co. (Prescription, Beer, Wine, Soda, Brandy, Packers' & Preservers')
COSHOCTON—Coshocton Glass Co. (Beer, Wine, Soda, Brandy)
MASSILLON—Rhodes Glass & Bottle Co.
MOUNT VERNON—Essex Glass Co. (Milk Bottles Only)
NEWARK—American Bottle Co. (See Chicago, Ill.)
Heisey A. H. & Co. (Prescription, Druggists')
READING—Nivison-Weiskopf Co. Office: Cincinnati, O.
TOLEDO—Owens Bottle Co.
ZANESVILLE—Kearns-Gorsuch Bottle Co. (Mineral Water, Extract, Flint, Liquor, Prescription, Green, Beer, Pickle, etc)

PENNSYLVANIA.

BEAVER FALLS — Co-Operative Flint Glass Co. (Bar)
BRADFORD—Berney-Bond Glass Co.
BROCKWAYVILLE — Brockway Machine Bottle Co. (Machine Made Ink, Mucilage, Vaseline, etc)
CHARLEROI—Imperial Glass Co. (Prescription, Beer, Soda, Wine, Packers', etc)
EAST STROUDSBURG—East Stroudsburg Glass Co. (Beer, Soda, Wine, Brandy)
Scott-Warman Glass Co.
GLASSPORT—U. S. Glass Co. (See Pittsburgh, Pa.)
GLENSHAW—Glenshaw Glass Co.
HAWLEY—Hawley Glass Co. (Beer, Soda, Wine, Packers', Preservers')
JEANETTE—Jeanette Glass Co. (Prescriptions, Beer, Soda, Wine, Packers', Tinctures, etc)
McKee Glass Co. (Druggists')
KANE—Thatcher Mfg. Co. (See Elmira, N. Y.
McDONALD—Crescent Bottle Co.
PHILADELPHIA — Whitall Tatum Co. (Prescription, Ink, Mucilage, Sauce, Catsup, Mustard, Wine, Water, Perfumes, Vials, etc), 410 Race
PITTSBURGH—Cunningham D. O. Glass Co. (Beer, Soda Water), Jane & 22d
Flaccus C. L. Glass Co., Empire bldg
Hamilton J. T. & A., 26th & A V R R
U. S. Glass Co. (Prescription, Druggists'), S 9th & Bingham. Works: Pittsburgh & Glassboro, Pa., & Gas City, Ind.
READING—Reading Glass Works
RIDGEWAY—Standard Silicon Co., Dept. H
ROCHESTER — Rochester Tumbler Co. (Water, Bitter, Beer)
ROYERSFORD—Diamond Glass Co. (Soda Wine, Bitters, Druggists', Beer)
Newborn W. H. & Co. (Prescription, Beer, Soda, Wine, Packers')
SHEFFIELD—Sheffield Glass Bottle Co. (Prescription, Wine, Beer, Soda, Brandy, Packers' & Preservers')
TARENTUM—Fidelity Glass Co. (Prescription, Druggists', Preservers')
Flaccus C. L. Glass Co. (Flint, Prescription & Druggists')
UNIONTOWN—Keystone Bottle Mfg. Co.
WASHINGTON — Hazel-Atlas Glass Co. (See Wheeling, W. Va.)

TENNESSEE.

CHATTANOOGA—Chattanooga Bottle & Glass Mfg. Co., Alton pk

VIRGINIA.

ALEXANDRIA—Old Dominion Glass Corp (Prescription, Beer, Proprietary Medicines, Wine, Soda, Brandy Packers)
NORFOLK—Norfolk Glass Mfg. Corp. ("Anchor")

WEST VIRGINIA.

CLARKSBURG — Hazel-Atlas Glass Co. (See Wheeling, W. Va.)
Travis Glass Co. ("Travis" Milk, etc)
PADEN CITY—Duquesne Glass Co. (Beer, Soda, Wine, Brandy)
WHEELING—Central Glass Works (Prescription, Druggists')
Hazel Atlas Glass Co. (Snuff, Ink, Jam, Oil, Olive & Vaseline). Works: Washington, Pa., & Clarksburg, W. Va.
North Wheeling Glass Bottle Co.

WISCONSIN.

MILWAUKEE — Franzen Wm. & Son, Chase & George

1168—Bottles (Hot Water, Metal)

Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Campbell A. S. Co. ("Cello"), 161H Prescott, Boston, Mass.
Landers, Frary & Clark ("Universal," Aluminum), New Britain, Conn.
Whitaker Mfg. Co. ("Egyptian"), 409 S Green, Chicago, Ill.

1169— Bottles (Mariotte)

General Ceramics Co., 50 Church, New York
Knight Maurice A., E. Akron, O.

1169a— Bottles (Milk)

Atlantic Bottle Co., 90 W. B'way, New York
Binghamton Glass Co., Binghamton, N. Y.
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Butler Bottle Co., Butler, O.
Chicago Heights Bottle Co., Chicago Heights, Ill.
Co-operative Glass Co., Richmond & Daly, Los Angeles, Cal.
Creamery Package Mfg. Co., 61 W Kinzie, Chicago, Ill.
Cumberland Glass Mfg. Co., Bridgeton, N.J.
Essex Glass Co., Mt. Vernon, O.
Flaccus C. L. Glass Co., Tarentum, Pa.
Greensburg Glass Co., Greensburg, Pa.
Hamilton J. T. & A., 26th & A V R R, Pittsburgh, Pa.
Illinois Glass Co., Alton, Ill.
Illinois-Pacific Glass Co., 15th & Folsom, San Francisco, Cal.
Imperial Glass Co., Charleroi, Pa.
Jeannette Glass Co., Jeannette, Pa.
Jenkins D. C. Glass Co., Kokomo, Ind.
Lockport Glass Co., Lockport, N. Y.
Marion Flint Glass Co., Marion, Ind.
Obear-Nester Glass Co., East St. Louis, Ill.
Pacific Coast Glass Works ("P. C."), 7th & Irwin, San Francisco, Cal.
Thatcher Mfg. Co., Elmira, N. Y.
Travis Glass Co., Clarksburg, W. Va.
West Coast Glass Co., Box 262 Huntington Park, Los Angeles, Cal.
Whitney Glass Works, Glassboro, N. J.
Winslow Glass Co., Columbus, O.

1170— Bottles (Paper)

Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Cal. Purity Paper Bottle Co., Sacramento, Cal.
New England Purity Paper Bottle Co., Northampton, Mass.
Stone Straw Co. (Small), 30 N E, Washington, D. C.

1170-a1—Bottles (Perfume)

DU PONT E. I. DE NEMOURS & CO. INC., Pyralin Div. ("Pyralin." See adv at Celluloid), Arlington, N. J.
See adv index at end of book

1170a— Bottles (Platinum)

Baker & Co., 54 Austin, Newark, N. J.
Bishop J. & Co., Platinum Wks., Malvern, Pa.
Scientific Utilities Co., Inc., 18 E 16th New York

1170b— Bottles (Reagent)

Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Central Scientific Co., 460 E. Ohio, Chicago, Ill.
Daigger, A. & Co., 54 W Kinzie, Chicago, Ill.
Eimer & Amend ("Gramercy"), 205 E 18th, New York
Scientific Utilities Co., Inc., 18 E 16th New York

1171— Bottles (Rubber)

American Hard Rubber Co. (Hard Rubber for Chemical Plants, etc), 9 Mercer, New York
Bishop Gutta-Percha Co. (Gutta-Percha), 420 E 25th, New York
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Parker-Stearns & Co. ("Alpha," "Omega," Water, Nursing, etc), 286 Sheffield av, Brooklyn, N. Y.
Rubber Products Co. (Water), Barberton, Ohio
Tyer Rubber Co. ("Ajax," "Higrade," "Criterion," "La Grange," "Champion," "Lion," "L. E. Gant," "Tyrian," "Agate," "Invincible," "Merit," "Mirror" Water & Nursing), Andover, Mass.

1172— Bottles (Steel)

Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Buhrke H. H. Co. (Pocket Pliers), 1250H Fullerton av, Chicago, Ill.
PRESSED STEEL TANK CO. (Seamless), 58th & Greenfield av, West Allis, Milwaukee, Wis.

Bottles (Stoneware)

See Bottles, Mariotte

1173— Bottles (Vacuum)

Aladdin Industries, Inc. ("Aladdin"), 601 W Lake, Chicago, Ill.
American Thermos Bottle Co., Norwich, Conn.
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Landers, Frary & Clark ("Universal"), New Britain, Conn.
Stanley Insulating Co. ("Ferrostat"), Great Barrington, Mass.
Vacuum Specialty Co. ("Hotakold"), 200 5th av, New York

1174— Bottles (Wood)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

1174a— Bottles (Woulff)

Central Scientific Co., 460 E. Ohio, Chicago, Ill.
Daigger A. & Co., 54 W Kinzie, Chicago, Ill.
General Ceramics Co., 50 Church, New York
Knight Maurice, Akron, O.
Scientific Utilities Co., Inc., 18 E 16th New York

1174b— *Bottoms (Basket)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

1174c— *Bottoms (Feed Bag)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

1175— Bottoms (Kettle)

Hamblin & Russell Mfg. Co. ("Gem" Wire), Worcester, Mass.

1176—Bower Barffed Work

Coleman Adelbert E., 336 W 37th, Chicago, Ill.
Sager Lock Co., No. Chicago, Ill.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

1177—Bowling Alley Builders

American Box Ball Co. (Box Ball), 1545 Vanburen, Indianapolis, Ind.
Brunswick-Balke-Collender Co., 629 S Wabash av, Chicago, Ill.
Holcomb & Hoke Mfg. Co. ("Ten Pinnet"), 1546 Van Buren, Indianapolis, Ind.
Klumpp's Jno. G. Sons, 13 Baxter, New York
Kohler & Hinricks, St. Paul, Minn.
Rose H., 145 Hamilton av, Brooklyn, N. Y.
Stillwater Mfg. Co., Stillwater, Minn.
Zeliff J. E., Kearny, N. J.

1177a—Bowling Alley Supplies

Am. Box Ball Co., 1545 Van Buren, Indianapolis, Ind.
Brunswick-Balke-Collender Co., 620 S Wabash av, Chicago, Ill.
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Holcomb & Hoke Mfg. Co. (Ten Pinnet), 1546 Van Buren, Indianapolis, Ind.
Ohio Wood Turning Co., Cleveland, O.

1178—Bowls (Cow Watering)

Cheney S. & Son, Manlius, N. Y.
Glor Bros. & Willis Mfg. Co., Attica, N. Y.
Harris Mfg. Co., Salem, Ohio
Heller-Aller Co., Napoleon, Ohio
Hunt, Helm, Ferris & Co., Harvard, Ill.
Industrial Foundry Co., St. Johns, Mich.
Libbey C. A. & Co., Marion & Jay, Oshkosh, Wis.
Noll Bros., Bausman, Pa.
Novelty Iron Works, Sterling, Ill.
Sanitary Co., Dept. H, Linfield, Pa.
Strickler Hay Tool Co., Janesville, Wis.
West Bend Barn Equipment Co., West Bend, Wis.

1178a—Bowls (Sanitary Sugar)

Arwe Carl H. Mfg. Co., 1348-52 De Kalb av, Brooklyn, N. Y.

1179—Bowls (Wood Chopping)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Chapman-Sargent Co., Piqua, O.
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Munising Woodenware Co., Piqua, Ohio
Northern Woodenware Co., Island Falls, Me.
Peirce W. E. & Co., Milford, N. H.
Richardi & Bechtold, Bellaire, Mich.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

1180—Bows (Automobile Top)

Brown S. N. & Co. (Wood), Dayton, O.
Campbell & Dann Mfg. Co., Tullahoma, Tenn.
Dann Bros. & Co., New Haven, Conn.
Delphos Bending Co. (Truck & Closed Body), Delphos, O.
Empire Bending Works, Lancaster, Pa.
Eureka Bending & Wheel Wks, York, Pa.
Lebzetter P. & Son Co., Lancaster, Pa.
Mossman, Yarnelle & Co., Fort Wayne, Ind.
Rastetter Louis & Sons, Ft. Wayne, Ind.
Shepard H. G. & Sons, James & River, New Haven, Conn.
Starr D. H., Highland, N. Y.
Wheel & Wood Bending Co., 241 John, Bridgeport, Conn.

1181—Bows (Carriage & Wagon)

Ames Bending Co., Celina, O.
Brown S. N. & Co., Dayton, O.
Campbell & Dann Mfg. Co., Tullahoma, Tenn.
Coopersburg Bending Works, Coppersburg, Pa.
Crane & MacMahon, Inc. ("Star" White Ash), St. Marys, Ohio
Delphos Bending Co., Delphos, O.
Donges John & Co., Hamilton, O.
Empire Bending Wks, Lancaster, Pa.
Eureka Bending & Wheel Works ("Wheeler & Wilson," "McCaull"), York, Pa.
Fort Smith Rim & Bow Co., Fort Smith, Ark.
Graham Thos. & Co., Madison, Ind.
Hanover Bending & Mfg. Co., Hanover, Pa.
Holt Bros. Mfg. Co., Concord, N. H.
Lamb-Fish Lumber Co., Charleston, Miss.
Lebzelter P. & Son Co., Lancaster, Pa.
Maul Mfg. Co., Hanover, Pa.
Medina Bending Works ("McCaull"), Medina, O.
Metropolis Bending Co. ("Wheeler & Wilson"), Metropolis, Ill.
Rasteter Louis & Sons, Fort Wayne, Ind.
Sargent L. W., Newburyport, Mass.
Shepard H. G. & Sons, James & River, New Haven, Conn.
Starr D. H., Highland, N. Y.
Von Behren Mfg. Co., Evansville, Ind.
Wheel & Wood Bending Co., 241 John, Bridgeport, Conn.

1182-3— Bows (Ox)

Torrey Bros. Co., Central Village, Conn.

1184—Box Anchor & Timber Caps

See also Hangers, Joist
Goetz Box Anchor Co., New Albany, Ind.

Box Binders

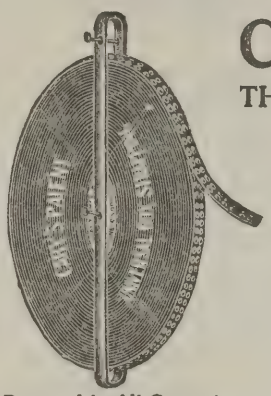
See Box Straps, also Strapping (Box), also Wire Binders (Box)

1185— Box Board Mfrs.

See also Boards, Binder

Albey Bros., 149 Meeker av, Newark, N. J.
Alton Box Board & Paper Co., Alton, Ill.
American Box Board Co., Grand Rapids, Mich.
Am. Coating Mills, Elkhart, Ind.
Auglaize Box Board Co., St. Marys, O.
Beloit Box Board Co., Beloit, Wis.
Bicking S. Austin Paper Mfg. Co. (& Indented Paper), E Downington, Pa.
Boehme & Rauch Co. (Patent Coated & Combination), Monroe, Mich.
Capac Paper Co., Capac, Mich.
Case & Marshall, Burnside, Hartford, Conn.
Chatfield Paper Co., 298-302 State, New Haven, Conn.
Cherry River Paper Co., Board of Trade Bldg, Scranton, Pa.
Chesapeake Paperboard Co. (Plain Schip, Mill-Line-Schip, News Vat Line Schip, News-board), Woodall & Claggett, Baltimore, Md.
Childsdale Paper Co., Childsdale, Mich.
Clifton Paper Mills, Clifton, N. J.
Constantine Board & Paper Co., Constantine, Mich.
Crescent Paper Co., Marseilles, Ill.
Diamond Match Co. (White Coated, Colored & Manila Lined), 30 Church, New York
Eddy Paper Co., Three Rivers, Mich.

(Continued on following page)



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Ft. Wayne Corrugated Paper Co. (Combination), Hartford, Ind.
Foster Box Board Co., Utica, N. Y.
Franklin Board & Paper Co. (Pulp & Combination of all kinds), Franklin, Ohio
Gair Robert Co., 350H Madison av, New York
Gardner-Harvey Paper Co. (Colored Suit & Combination Boards), Middletown, Ohio
Halltown Paper Board Co., Halltown, W. Va.
Haverhill Box Board Co., Haverhill, Mass.
HEWITT C. B. & BROS., 20 Ferry, New York *See adv index at end of book*
International Paper Co., 100 E. 42d, New York
Kerr Paper Mill Co., East Downington, Pa.
La Borteaux C. L. Co., 1st Natl. Bk. Bldg, Cincinnati, O.
Lafayette Box Board & Paper Co., Lafayette, Ind.
Lawrence Paper Mfg. Co., Lawrence, Kans.
Lewis, Slocum & Le Fevre Co. (Wood Pulp & Sulphite Boards in Natural Colors & Tints), Beaver Falls, N. Y.
Lindale Mills, North Adams, Mass.
Little River Lumber Co., Star, N. C.
Los Angeles Paper Mfg. Co., Los Angeles, Cal.
McEwan Bros. (Folding), Whippany, N. J.
Mac-Sim-Bar Paper Co. (Clothing, Jute Board, etc.), Otsego, Mich.
Manchester Board & Paper Co. (Folding), Richmond, Va.
Marion Paper Co. (Folding), Marion, Ind.
Michigan Carton Co. (Combination & Patent Coated), Battle Creek, Mich.
Miller Frank P. Paper Co. (Patent Coated & Folding Box), East Downington, Pa.
Mission Paper Board Mill, 3074 17th, San Francisco, Cal.
Monroe Binder Board Co., Monroe, Mich.
Mutual Box Board Co., Utica, N. Y.
National Metal Edge Box Co. (Jute Folding), 1217 Callowhill, Phila., Pa.
NATIONAL PAPER PRODUCTS CO., 528 Battery, San Francisco, Cal.
See adv index at end of book
Naubuc Paper Co., Glastonbury, Conn.
Nelson B. F. Mfg. Co., Minneapolis, Minn.
Newark Box Board Co., Blanchard, Newark, N. J.
Norton C. H., North Westchester, Conn.
Ohio Box Board Co. (Of all Grades, also Patent Coated), 1390 E 30th, Cleveland, O.
Paraffin Cos., Inc., 475 Brannan, San Francisco, Cal.
Paraffine Cos., Inc. (Southern Board Mills), Vernon & Santa Fe avs, Los Angeles, Cal.
Perkiomen Paper Co., Pennsburg, Pa.
Philadelphia Paper Mfg. Co., 416 Market, Phila., Pa.
Richardson Paper Co., Wyoming & Cooper avs, Lockland, O.
River Raisin Paper Co., Monroe, Mich.
Robertson Paper Co., Montville, Conn.
Rockford Paper Box Board Co., Rockford, Ill.
Shryock J. K., 301H N 2nd, Phila., Pa.
Skaneateles Paper Co., Skaneateles, N. Y.
South Coventry Paper Co., South Coventry, Conn.
Standard Paper Co., Kalamazoo, Mich.
Tait & Sons Paper Co., 1591 Railroad av, Bridgeport, Conn.
Thames River Specialties Co. (Folding, etc), Montville, Conn.
United Paperboard Co., 171 Madison av, New York
Waldorf Paper Products Co. (Patent Coated, Manila Chip, Cracker Shell, Colored Suit & Combination Boards), St. Paul, Minn.
Waverly Paper Box Board Co., Weston av, Newark, N. J.
West Virginia Lumber Co., First National Bank bldg, Pittsburgh, Pa.
Westport Paper Co., Westport, Conn.

1185a— Box Lockers

See also Lockers (Box)

DURABILT STEEL LOCKER CO., Aurora, Ill.
See adv index at end of book

1185a— Box Shooks

See also Shooks, Box.

Acme Steel Goods Co., 2834 Archer av, Chicago, Ill.
American Box Strapping Co., Inc., 275 Water, New York
BOGERT & HOPPER INC., 57 Barclay, New York *See adv index at end of book*
Crosman G. A. & Sons Co., Morrills Corner, Portland, Me.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Mercantile Box Co., 318 Market, San Francisco, Cal.
Sheahan B. C. Co., 166 W Jackson, Chicago, Ill.

1185b—Box Strapping (Steel)

Acme Steel Goods Co., 2834 Archer av, Chicago, Ill.
American Box Strapping Co. Inc., 313 E 22d, New York
Roebling's John & Sons Co., Trenton, N. J. *See adv index at end of book*
WIRE & STEEL PRODUCTS CO., INC., 421 E. 22nd, New York

When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL REGISTER

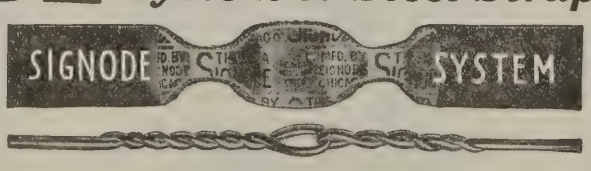
1186— Box Straps

See also Bands, Shingle, Box & Shook

Acme Steel Goods Co. ("Acme") Embossed, Flat, Barbed & Twisted Wire), 2834 Archer av, Chicago, Ill.
American Box Strapping Co., Inc., 313 E 22nd, New York
American Steel Band Co., 886 Progress, Pittsburgh, Pa.
AMERICAN STEEL & WIRE CO. (Steel), 208 S La Salle, Chicago, Ill.
See adv index at end of book
CARY MFG. CO. ("Cary's" Universal & Wire Box Strapping Box Corner Fasteners & Clutch Nails), Nassau & Jay, Brooklyn, N. Y.
See adv index at end of book
CONSOLIDATED STEEL STRAPPING CO. (Orange), 2600-20 N Western av, Chicago
See adv index at end of book
De Haven Mfg. Co. ("Simplex" & "Trojan" Steel & Iron), 50 Columbia Heights, Bklyn, N. Y.

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See adv index at end of book
Harvey Spring & Forging Co., Racine, Wis.
Hollow Cable Mfg. Co., Dept. H, Hornell, N. Y.
Independent Metal Strap Co., 313 E 22nd, New York
See adv index at end of book

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413 E. 22nd Street, New York, N. Y.

LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Robertson W. F. Steel & Iron Co. "Sampson" & "Cincinnati"), Elm & Commerce, Cincinnati, O.
Stanley Works ("Twinrold" Self-Tightening, "Spreadtite," "Double Edge," "Stanley's" Corrugated "Security" & Twisted Wire Box Strapping), New Britain, Conn.
Ti-It Machines Co., Monadnock bldg, San Francisco, Cal.
U. S. Steel & Wire Co., 773 Broad, Newark, N. J.
WIRE & STEEL PRODUCTS CO., INC., 421 E 22d, New York

1186a— Box Straps (Fibre)

West Va. Pulp & Paper Co. (Pulp Products Dept.), 200 Fifth av, New York
See adv index at end of book

1187— Boxes (Aluminum)

Aluminum Container Corp., Fulton, N. Y.
Aluminum Goods Mfg. Co. (also Caps & Tubes), Manitowoc, Wis.
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Wagner Mfg. Co. (Cast Aluminum Chests), **Dept. H, Sidney, O.**

1187a— Boxes (Ammunition)

Bogert & Hopper, Inc., 57 Barclay, **New York** *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
New England Box Co., 104 E. 42nd, New York *See adv index at end of book*

1188— Boxes (Annealing)

American Welding Co., Carbondale, Pa.
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Cleveland Wire Spring Co., 1281 E. 38th, Cleveland, O.
Columbiana Boiler Co. (Riveted & Welded), Columbiana, O.
Connery & Co., 4000 2nd, Phila., Pa.
See adv index at end of book
DOVER BOILER WORKS, Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Driver-Harris Co. ("Nichrome"), Harrison, N. J. *See adv index at end of book*
Egan Rogers Steel & Iron Co., Crum Lynne, Pa.
Garwood Bronze & Iron Works, Garwood, N. J.
Hardite Metals, Inc., 103 Park av, New York
McAleenan Bros. Co., 25th & Railroad, Pittsburgh, Pa.
McNeil Jas. & Bro. Co., Pittsburgh, Pa.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Meehan Boiler & Constr. Co., Lowellville, Ohio
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
Mullins Body Corp., Dept. H, Salem, Ohio
National Wrought Iron Annealing Box Co., Washington, Pa.
Petroleum Iron Works Co. ("Seigh"), Sharon, Pa.
Pioneer Alloy Products Co., 16601 Euclid av, Cleveland, O.
Pittsburgh Annealing Box Co. (Welded or Riveted), May bldg, Pittsburgh, Pa.
Reeves Bros., Co., The, Alliance, O.
See adv index at end of book
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Strong, Carlisle & Hammond Co. (Also Case-Hardening), 336 Frankfort av, N W, Cleveland, O.
Union Iron Works, Hoboken, N. J.
Union Steel Casting Co. ("Union" Truss Supported Roof One-Piece Cast Steel), Pittsburgh, Pa.
Warren City Tank & Boiler Co. (The), Warren, Ohio
See adv index at end of book
Whiting Corp., Harvey, Ill.
Wilfong Millard F., Iron Works Co., 52nd & Grays av, Phila., Pa.

1189— Boxes (Auger Bit)

New England Box Co., 104 E 42nd, New York
Winchester Repeating Arms Co., 275 Winchester, New Haven, Conn.

1190—Boxes (Automobile Tool)

Cincinnati Victor Co., 710-720 Reading rd
Cleveland Wire Spring Co., 1281 E. 38th, Cleveland, O.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.
New England Box Co., 104 E. 42nd, New York *See adv index at end of book*
Noyes B. B. Co., Greenfield, Mass.
Standard Steel Box Co. ("Standard" Steel), Bridgeville, Pa.

1191— Boxes (Axle)

Concord Axle Co., Penacook, N. H.

1192— Boxes (Axle Grease)

Bogert & Hopper, Inc. (Wood), 57 Barclay New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
New England Box Co., 104 E. 42nd, New York *See adv index at end of book*

1193— Boxes (Ballot)

Advance Paper Box Co., 2722 Wash., St. Louis, Mo. *See adv index at end of book*
Art Metal Construction Co., Jamestown, N. Y.
Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*
Pa. Construction Co. (Wood & Metal), Marietta, Pa.

1194— Boxes (Basswood)

BOGERT & HOPPER, INC., 57 Barclay, **New York** *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
New England Box Co. (Slide Cover, Silverware, Cabinets, Display, Phonograph Cabinets, Finished, Frames & for Covering with Leather or Paper), 104 E 42nd, New York
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book

1195—Boxes (Battery, Automobile)

BOGERT & HOPPER, INC., 57 Barclay, **New York** *See adv index at end of book*
Cal. Novelty Wooden Box Co., 3552 18th, San Francisco, Cal.
Central States Steel Equipment Co. ("Better-Bilt" & "Central States"), Center & Allen, Joliet, Ill.
Churchill Cabinet Co. (Wood), 2119 Churchill, Chicago, Ill.
Cleveland Wire Spring Co., 1281 E. 38th, Cleveland, O.
Corcoran-Victor Co., Cincinnati, O.
Dow Co., 201H N Buchanon, Louisville, Ky.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.
Hastings Mfg. Co. ("Hastings"), 36 E Mill, Hastings, Mich.
Holan Metal Products Co., N 40th & Clark av, Cleveland, O.
Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cincinnati, O.
Merz G. & Co., 112 W. Superior, Chicago, Ill.
Mullins Body Corp., Salem, Ohio
New England Box Co., 104 E. 42nd, New York *See adv index at end of book*
Nicoll & Co. (Also Radio), 190-198 Hooper, San Francisco, Cal.
Page Geo. G. Box Co. (and Radio), Cambridge, Mass.
Paragon Elec. Co. ("Paragon"), 37 W Van Buren, Chicago, Ill.
Sheip Henry H. Mfg. Co., Columbia av & Sixth, Philadelphia, Pa.
Standard Steel Box Co. ("Standard" Steel Black Enameled), Bridgeville, Pa.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

1196—Boxes (Beer, Soda Water & Milk)

Atwood & McManus Box Co., Chelsea, Mass.
Bogert & Hopper Inc., 57 Barclay, **New York** *See adv index at end of book*
Bossert Louis & Son, 1335 Grand, Brooklyn, N. Y.
Cleveland Wire Spring Co. (Steel, 1281 E. 38th, Cleveland, O.
Columbia Box Co., 19th & N Market, St. Louis, Mo.
Defiance Pressed Steel Co. (Steel), Defiance, O.
Dodge & Bliss Co., W End, Jersey City, N. J.
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Goodwillie D. M. Co. (also Mineral Water), 1208 W 22nd, Chicago, Ill.
Hightower Box & Tank Co., Atlanta, Ga.
Inland Mfg. Co. (Milk Bottle Crates), Minnesota av, Fresno, Cal.
Marinette & Menominee Box Co., Marinette, Wis.
Mengel Box Co., Louisville, Ky.
New England Box Co., 104 E. 42nd, New York *See adv index at end of book*
Page George G. Box Co., Cambridge, Mass.
Perfection Mfg. Co. (Milk Bottle), 3901 S. Central, Los Angeles, Cal.
Rathbone, Hair & Ridgway Co., 2279 S Union av, Chicago, Ill.
Rittler Box Co., 609 S. Caroline, Baltimore, Md.
Woodstock Mfg. Co., Charleston, S. C.

1197— Boxes (Bending)

Pittsburgh Iron & Steel Foundries Co., H Oliver bldg., Pittsburgh, Pa.

1198— Boxes (Blow, Acid)

Pratt Engineering & Machine Co., Atlanta, Ga.

1199— Boxes (Bluing)

Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Gair Robert Co., 350H Madison av, New York
New England Box Co., 104 E. 42nd, New York *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

1199a— Boxes (Bond)

See also Boxes, Cash; also Boxes, Safe Deposit
Central States Steel Equipment Co. ("Better-Bilt" & "Central States"), Center & Allen, Joliet, Ill.
General Fireproofing Co. (The), 2308 Logan av, Youngstown, O.
See adv index at end of book
Gilbert Walter B. & Co., York, Pa.
Globe-Wernicke Co. (The), 25 Carthage av, Cincinnati, Ohio
See adv index at end of book
Standard Stamping Co., Huntington, W. Va.
Underwriters Safe Co., Toledo, O.
Watson Mfg. Co. (Steel), Jamestown, N. Y.

Boxes (Bosh)

See Plates, Bosh

1200— Boxes (Bottle)

Andrews O. B. Co., Roosevelt av & Belt R. Ry., Chattanooga, Tenn.
Bossert Louis & Sons, 1335 Grand, Bklyn, N. Y.
Embry Box Co., 16th & Maple, Louisville, Ky.
Gair Robert Co., 350H Madison av, New York
GENERAL BOX CO. ("Neverbust"), Dept. P, 500 N Dearborn st, Chicago
See adv index at end of book
Hinde & Dauche Paper Co. (The), 253 Water, Sandusky, Ohio
See adv index at end of book
New England Box Co., 104 E 42nd, New York
Omaha Box Co., Omaha, Neb.
Omaha Fiber & Corrugated Box Co., Omaha, Neb.
Rittler Box Co., 609 S. Caroline, Baltimore, Md.
Vance E. J. Box Co. (Ltd.), Bay City, Mich.
Woodstock Mfg. Co., Charleston, S. C.

1201— Boxes (Bread)

Central Stamping Co., 206 B'way, New York
Fidelity Can Co. (Tin), 600H S Caroline, Baltimore, Md.
Metal Package Corp. of N. Y., 110 E. 42nd, New York *See adv index at end of book*
Pittsburgh Tinware Mfg. Co. ("Tinco"), Bidwell, Pittsburgh, Pa.
Republic Metalware Co. ("Savory"), 100 Alabama, Buffalo, N. Y.
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
See adv index at end of book
Rudman & Scofield, 277 Pearl, New York

1202—Boxes (Bread Shipping)

Anderson Box & Basket Co., Henderson, Ky.
Backus A. Jr. & Son, 393 Lafayette, Detroit, Mich.
Lewis G. B. Co., Watertown, Wis.
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
See adv index at end of book

1202a— Boxes (Butter)

GENERAL BOX CO. (Poplar), Dept. P, 500 N. Dearborn, Chicago
See adv index at end of book

1203— Boxes (Candy)

Advance Paper Box Co., 2722 Wash., St. Louis Mo.
Gair Robert Co., 350H Madison av, New York
Metal Package Corp. of N. Y., 110 E. 42nd, New York *See adv index at end of book*
New England Box Co., 104 E. 42nd, New York
Paraffin Co.'s, Inc., 475 Brannan, San Francisco, Cal.
Redwood Novelty Co., 976 12th, Oakland, Cal.
Ritchie W. C. & Co. (Paper), 831 W Van Buren, Chicago, Ill.
Western Candy Box Co. (California Redwood), 651 E 38th, Los Angeles, Cal.
Whitney & Co., Leominster, Mass.

Boxes (Carbonizing)

See Boxes (Case Hardening)

Boxes (Cardboard)

See other Headings under Boxes, Paper, etc.

Boxes (Card Index)

See Card Index Boxes

1204—Boxes (Case Hardening)

Baldwin C. S. Mfg. Co., Cherry, Milford, Conn.
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Columbiana Boiler Co., Columbiana, O.
Driver-Harris Co. ("Nichrome" Castings), Harrison, N. J.
See branch offices Alphabetical Section
Egan Rogers Steel & Iron Co., Crum Lynne, Pa.
Garwood Bronze & Iron Works, Garwood, N. J.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Ohio Steel Foundry Co., Lima, O.

1205— Boxes (Cash)

Bogert & Hopper Inc. (Wooden), 57 Barclay, New York
See adv index at end of book
Central Stamping Co., 206 B'way, New York
Erie Art Metal Co. (Strong & Lienity), Erie, Pa.
ESTES E. B. & SON, 364 5th av, New York *See adv index at end of book*
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Gilbert Walter B. & Co., York, Pa.
Gray Peter & Sons, Inc., 286 Third, Cambridge, Mass.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Merriam Mfg. Co. (Tin), Durham, Conn.
Metal Office Furniture Co., Grand Rapids, Mich.
National Enameling & Stamping Co., 411 5th av, New York
New England Box Co., 104 E. 42nd, New York *See adv index at end of book*
Parsons W. A. & Co., Durham Center, Conn.
Smith J. O. Mfg. Co., Middletown, Conn.
Standard Stamping Co., Huntington, W. Va.
Stirrup Mfg. Co., Inc., Market, Newark, N. J.
Underwriters Safe Co., Toledo, O.
Van Dorn Iron Works Co. (The), 2700 E. 79th, Cleveland, Ohio
See adv index at end of book

1206-7— Boxes (Celluloid)

Celluloid Co., 36 Washington pl, New York

1208—Boxes (Charging, Open Hearth)

Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Columbiana Boiler Co., Columbiana, O.
Lancaster Iron Works, Lancaster, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
Morgan Engineering Co., Alliance, Ohio
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
Treadwell Construction Co., Midland, Pa.
Treadwell M. H. Co. of Illinois, 208 S La Salle, Chicago, Ill.
Variety Iron & Steel Works Co., Hamilton av & E 40th, Cleveland, O.
Wellman-Seaver-Morgan Co., E. 70th & Central av, Cleveland, Ohio

1209— Boxes (Cheese)

Annett Box Co. ("Antex" Small Round), East Joffrey, N. H.
Colby Cheese Box & Silo Co., Colby, Wis.
Cooley Mfg. Co., West Bend, Wis.
Kiel Wooden Ware Co. (The), Kiel, Wis.
Metal Products Corp., 49 Chestnut, Weehawken, N. J.
New England Box Co., 104 E. 42nd, New York
Paraffin Co.'s, Inc., 475 Brannan, San Francisco, Cal.
Parfrey Chas. A., Richland Center, Wis.

1209a— *Boxes (Chemists')

Advance Paper Box Co., 2722 Wash., St. Louis, Mo.
See adv index at end of book
BOGERT & HOPPER INC., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
New England Box Co., 104 E. 42nd, New York *See adv index at end of book*

1209b— Boxes (Chip Pill)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Cleveland Fare Box Co. ("Cleveland"),

1209c— *Boxes (Chisel)

Bogert & Hopper Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
New England Box Co., 104 E. 42nd, New York *See adv index at end of book*

1210— Boxes (Cigar)

Balliet A. H., 30th & Linden, Allentown, Pa.
Eggerss-O'Flyng Co., Omaha, Neb.
Golden State Box Factory, 1200 E 8th, Los Angeles, Cal.
Howell F. M. Co. (Wood), Elmira, N. Y.
Korbel Box Factory, 2014 Bryant, San Francisco, Cal.
Pacific Cigar Box Mfg. Co., 220 E. 32d, Los Angeles, Cal.
Pacific Cigar Box Co., 130 4th, Oakland, Cal.
Saginaw Specialty Co., Saginaw, Mich.
Sheip Henry H. Mfg. Co., Columbia av & 6th, Phila., Pa.
Weidman-Fisher Co., Tampa, Fla.
Western Candy Box Co., 651 E. 38th, Los Angeles, Cal.
Wolfram H. A. Inc., 16H 21st, Watervliet, N. Y.

1210a— Boxes (Compound)

Diamond State Fibre Co. (Fibre), Dept. 37, Bridgeport, Pa.

1211— Boxes (Condenser)

Columbiana Boiler Co., Columbiana, O.
Petroleum Iron Works Co. of Ohio, Sharon, Pa.
See adv index at end of book

Boxes (Conduit)

See Boxes, Junction & Outlet

1212—*Boxes (Core, for Foundry Use)

National Paper Products Co., 528 Battery, San Francisco, Cal.
See adv index at end of book
Ohio Mfg. Co., P O Box 146, Painesville, O. *See adv index at end of book*
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
Springfield Aluminum Plate & Castings Co. (& Core Driers), Springfield, Ohio

1212a—Boxes (Corrugated Fibre)

HINDE & DAUCH PAPER CO. (THE), 253 Water St., Sandusky, O.
See adv index at end of book
Sefton Mfg. Corp. (Folding), 1301 W. 33rd, Chicago, Ill.

1213— Boxes (Corrugated Paper)

(See also Boxes, Fibre & Cases, Shipping)
Advance Corrugated Box Co., 2837 S La Salle, Chicago, Ill.
Agar Mfg. Co., 167 41st, Bklyn, N. Y.
American Corrugated Paper Products Co., 227H W 26th, New York
American Paper Products Co., 2nd & Bremen av, St. Louis, Mo.
Andrews O. B. Co., Roosevelt av & Belt R. Ry., Chattanooga, Tenn.
Ashtabula Corrugated Box Co., Ashtabula, O.
Ball Bros. Co., Muncie, Ind.
Buffalo Box Factory (Fibre, All Sizes), Scoville, Buffalo, N. Y.
Buffalo Corrugated Container Co., 25 Imson, Buffalo, N. Y.
City Corrugated Paper Products Co., Inc., **214-224 E 22nd, New York**
Columbia Corrugated Co., 270 11th av, New York
Corrugated Paper Products Co., 221 W 26th, New York
Densen Corrugated Paper Co., 168 39th, Brooklyn, N. Y.
Fairmont Box Co., Canajoharie, N. Y.
FEDERAL CONTAINER CO., 56th & Paschall av, Phila., Pa.
Fenton Fibre Box Co., N Tonawanda, N. Y.
Fibre Package Co., 473 Clay, Detroit, Mich.
Gair Robert Co., 350H Madison av, New York
Globe Paper Co., Evansville, Ind.
Goodwillie D. M. Co., 22nd & Racine av, Chicago, Ill.
Grand Corrugated Paper Co., 128 32nd, Brooklyn, N. Y.
Hahn J. N. Co., Cuyahoga & W 3d, Cleveland, O.
Herman Wm. & Co., Inc., 69 Wooster, New York
HINDE & DAUCH PAPER CO. (THE), 253 Water, Sandusky, Ohio
See adv index at end of book

THE HINDE & DAUCH PAPER CO.
Corrugated Fibre Shipping Boxes and Packing Materials
253 Water St., SANDUSKY, OHIO

Hummel & Downing Co., Milwaukee, Wis.
Hygrade Corrugated Paper Products Co., 39 W 3rd, New York
Illinois Glass Co., Alton, Ill.
Illinois Pacific Glass Co., 15th & Folsom, San Francisco, Cal.
Indiana Fibre Products Co. ("Marion"), 32nd & Boots, Marion, Ind.
INTERSTATE CORRUGATED BOX CO., 75 Front, Brooklyn, N. Y.
Kansas City Fibre Box Co., Kansas City, Kans.
Knapp Geo. S., Bridgeport, Conn.
Lanzit Corrugated Paper Co., 2039 S Morgan, Chicago, Ill.
Lawrence Paper Mfg. Co. ("Jayhawk," All Sizes), Lawrence, Kan.
Mac-Sim-Bar Paper Co., Otsego, Mich.
Marion Paper Box Co., Marion, Ind.
Mengel Box Co., Louisville, Ky.
Merit Corrugated Paper Products Co., Gates & St Nicholas avs, Brooklyn, N. Y.
MIDWEST BOX CO., 111 W Washington blvd, Chicago, Ill.
National Paper Products Co., 528 Battery, San Francisco, Cal.
See adv index at end of book
Omaha Fiber & Corrugated Box Co. (Shipping), Omaha, Neb.
Page Geo. G. Box Co. (For Freight or Express Shipment), Cambridge, Mass.
Paraffin Co.'s, Inc., 475 Brannan, San Francisco, Cal.
Parsons Mfg. Co., Chelsea, Mass.
Schmidt Lithograph Co., 2nd & Bryant, San Francisco, Cal.
Schmitt-Backman Co., Sacramento, Cal.
Sedro Box & Veneer Co., Sedro Woolley, Wash.
Sefton Mfg. Corp., 1301 W 35th, Chicago, Ill.
Singer Paper Box Co., 815 W Congress, Chicago, Ill.
Star Corrugated Box Co., Inc., 372 South, New York
Stettler F. C. Mfg. Co., Oregon & Occident, Portland, Ore.
Thompson & Norris Co., The, 212 Concord, Brooklyn, N. Y.
Turner Bros. Co. ("Triangle Brand," Reshipping Cases), Terre Haute, Ind.

1213a— Boxes (Crayon)

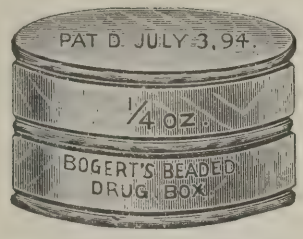
Advance Paper Box Co., 2722 Wash., St. Louis, Mo.
See adv index at end of book
Bogert & Hopper Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
New England Box Co., 104 E. 42nd, New York *See adv index at end of book*
Ritchie W. C. & Co., 831 W VanBuren, Chicago, Ill.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book

1213b— Boxes (Cream)

DU PONT E. I. DE NEMOURS & CO., INC., Pyralin Div. ("Pyralin," see Adv. at Celluloid), Arlington, N. J.
See adv index at end of book

1214— Boxes (Crosshead)

Buckeye Iron & Brass Works (Brass),

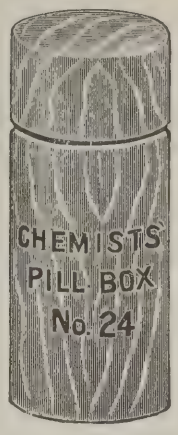


TURNED WOOD

Drug and Chemists'
Pill Boxes

Made from White Birch Stock
Wood Turnings of All Kinds

BOGERT & HOPPER, INC.
57 Barclay Street New York, N. Y.
MILLS—Maine—Vermont—Massachusetts



1215—Boxes (Curb, Service)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Ritchie W. C. & Co., Green & Van Buren, Chicago, Ill.
Great Western Mfg. Co., Leavenworth, Kans.
Hays Mfg. Co., Erie, Pa.
See adv index at end of book
Kauffman Metal Products Co. ("Logan"), Bellefontaine Ohio.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
Modern Iron Works ("Buffalo," "Peerless," "Quin See," "M. I. W."), Quincy, Ill.
Mueller Co., Decatur, Ill.
See adv index at end of book
Rumsey Pump Co., Ltd. (For Service Pipe), P. O. Box J, Seneca Fals, N. Y.
See adv index at end of book

1216—Boxes (Cut Flower)

Interstate Corrugated Box Co., 75 Front, Brooklyn, N. Y.
Thompson & Norris Co., The (Corrugated), 212 Concord, Brooklyn, N. Y.

1216a—Boxes (Cutlery, Wood)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*
New England Box Co., 104 E. 42nd, New York *See adv index at end of book*

Boxes (Cut Out)

See Boxes, Junction or Outlet

1216b—Boxes (Dye)

INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall st, New York. (See insert under Monel Metal)
See adv index at end of book
Sholes, Inc. (Monel Metal), 186 Lafayette, New York

1216c—*Boxes (Dice)

BOGERT & HOPPER INC. (Wood), 57 Barclay, New York
See adv index at end of book
ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*

1217—Boxes (Disc Harrow)

Youngstown Pressed Steel Co. Warren, O.
See adv index at end of book

1218—Boxes (District Call)

Bunnell J. H. & Co., 32 Park pl, New York
Johns-Manville Inc., Madison av & 41st, New York

1218a—*Boxes (Ditty)

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

1219—Boxes (Document)

Advance Paper Box Co., 2722 Wash., St. Louis, Mo.
See adv index at end of book
Dickey Grabler Works of the Bankers Savings & Credit System Co., W Madison & 103rd, Cleveland, Ohio
Geuder, Paeschke & Frey Co., 1314-1780 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Gilbert Walter B. & Co., York, Pa.
Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.
GLOBE WERNICKE CO. (THE), 25 Carthage av, Cincinnati, Ohio
See adv index at end of book

1220—Boxes (Drain)

Brayman Water-Tight Drain Co. ("Brayman"), 133 W 52nd, New York
Jiffy Fire Hose Rack Co. ("Brayman"), 133 W 52nd, New York

1221-2—Boxes (Drug, Pill, Ointment & Powder)

Advance Paper Box Co., 2722 Wash., St. Louis, Mo.
See adv index at end of book
BOGERT & HOPPER INC. (Wood), 57 Barclay, New York
See adv index at end of book
ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*
Hendricks J. J., 156 2nd, San Francisco, Cal.
Metal Package Corp. of N. Y., 110 E. 42nd, New York *See adv index at end of book*
New England Box Co., 104 E. 42nd, New York *See adv index at end of book*
Randolph Box & Label Co., 843 W Van Buren, Chicago, Ill.
St. Louis Label Works, 925 N 11th, St. Louis, Mo.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book
Western Box Co., 326 River, Chicago, Ill.

Boxes (Dumping)

See Wagon Dump Boxes

1223—Boxes (Electric Service)

Adam Frank Electric Co., 904 Pine, St. Louis, Mo.
Advance Electric & Mfg. Co., 1302 W 9th, Kansas City, Mo.
Allsteelequip Co., Aurora, Ill.
Andrae Julius & Sons Co., 362 Broadway, Milwaukee, Wis.
Bissell F. Co. ("Security," Cabinets), Toledo, Ohio
Bonnell W. A. Co., 192 Chambers, New York
Brady Electric Mfg. Co., New Britain, Conn.
Burns Jas F., 713 Cherry, Phila., Pa.
Coast Specialty Co., 72 E 6th, Portland, Ore.
Columbia Metal Box Co., 226 E 144th New York
Connecticut Elec. Mfg. Co., Bridgeport, Conn.
Crouse-Hinds Co. ("Condulets"), Syracuse, N. Y.
D & W Fuse Co., Hathaway, Providence, R. I.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Guilderland Foundry Co., Guilderland, N. Y.
Johns-Manville Inc. ("Noark"), Madison av & 41st, New York
Metropolitan Device Corp., 1250 Atlantic av, Brooklyn, N. Y.
Pringle Electrical Mfg. Co., 1906 N 6th, Phila., Pa.
Renim Specialty Co., Brighton, Boston, Mass.
Standard Underground Cable Co. (Junction Boxes Only), 17th & Pike, Pittsburgh, Pa.
Star Metal Box Co., 509 W 19th, New York
Troy Electrical Co., Troy, N. Y.
Trumbull Electric Mfg. Co., Plainville, Conn.
Wabash Cabinet Co. (Coil), Wabash, Ind.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book
Worcester Electric & Mfg. Co., 42 La Grange, Worcester, Mass.

1224—*Boxes (Extension, Dial Curb)

BUFFALO METER CO., 2921 Main, Buffalo, N. Y.
See adv index at end of book

1225—Boxes (Fancy Wood)

Bogert & Hopper, Inc., 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Nicoll & Co., 190-198 Hooper, San Francisco, Cal.
Redwood Novelty Co., 976 12th, Oakland, Cal.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book
Western Candy Box Co. (California Redwood), 651 E 38th, Los Angeles, Cal.

Established 1847

E. B. ESTES & SONS

Manufacturers of

Druggists' and Chemists' Turned Wooden Boxes





Plain and Polished Turned Wood Vials and Bottles, Powder Boxes, Plain and Silicated Wooden Ointment Jars. Screw Covered Boxes a Specialty.

364 5th Avenue New York City

"World's Largest Woodturners."





1226— Boxes (Fare)

(See also Registers, Car Fare; also Taximeters)

Am. Railways Equip't Co. (Registering), Dayton, O.
Cleveland Fare Box Co. ("Cleveland"), 4900 Lexington av, Cleveland, O.
Johnson Fare Box Co. ("Johnson" Automatic), 4619 Ravenswood av, Chicago
Perey Mfg. Co., Inc., 30 Church, New York
See adv index at end of book

1227— Boxes (Fibre)

Already Box Co., Danville, Ill.
American Paper Products Co., 2nd & Bremen av, St. Louis, Mo.
Ball Bros. Co., Muncie, Ind.
Carthage Board & Paper Co. (Corrugated), Carthage, Ind.
Chicago Mill & Lumber Co. (Solid & Corrugated), 500 N. Dearborn, Chicago
Corrugated Container Corp., Columbus, O.
Cronkhite Co., Inc., 142 Berkley, Boston, Mass.
Danbury Square Box Co., Danbury, Conn.
Diamond State Fibre Co., Dept. 37 ("Diamond"), Bridgeport, Pa.
See adv index at end of book
Fenton Fibre Box Co., No Tonawanda, N. Y.
Fort Wayne Corrugated Paper Co., Hartford, Ind.
Gair Robert Co., 350H Madison av, New York
Goodwillie D. M. Co., 1208 W. 22nd, Chicago, Ill.
Hampden Toy Co. ("Paragon De Luxe," folding & rigid), Westfield, Mass.
HINDE & DAUCH PAPER CO. (THE), (Corrugated), 253 Water, Sandusky, O.
See adv index at end of book

THE HINDE & DAUCH PAPER CO.
Corrugated Fibre Shipping Boxes and Packing Materials
253 Water St., SANDUSKY, OHIO

Hummel & Dowing Co., Milwaukee, Wis.
Indiana Fibre Products Co. ("Marion"), 32nd & Boots, Marion, Ind.
Interstate Corrugated Box Co. (Corrugated), 75 Front, Brooklyn, N. Y.
Kansas City Fibre Box Co. (Solid), Kansas City, Kans.
Kennebunk Mfg. Co. ("Lunch," etc.), Milton, N. H.
Kieckhefer Box Co., 133 W Water, Milwaukee, Wis.
Mengel Box Co., Louisville, Ky.
National Fibre & Insulation Co., Yorklyn, Del. *See adv index at end of book*
National Paper Products Co., San Francisco, Cal.
See adv index at end of book
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
Paraffin Co.'s, Inc., 475 Brannan, San Francisco, Cal.
ROGERS FIBRE CO. ("Leatheroid"), 121 Beach, Boston, Mass.
St. Louis Paper Can & Tube Corporation, St. Louis, Mo.
Standard Fibre Co., Miller st, Somerville, Mass.
Toledo Fibre Package Co., Toledo, O.

1227a — Boxes (Fibre, Corrugated)

Hinde & Dauch Paper Co., 253 Water, Sandusky, O.
See adv index at end of book

THE HINDE & DAUCH PAPER CO.
Corrugated Fibre Shipping Boxes and Packing Materials
253 Water St., SANDUSKY, OHIO

1227b— Boxes (Fig)

Annett Box Co. ("Antex"), East Jaffrey, N. H.
Bogert & Hopper, Inc., 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Metal Package Corp. of New York, 110 E 42nd, New York
See adv index at end of book
New England Box Co. (Wooden, Round or Square), 104 E. 42nd, New York

1228—Boxes (Fire Alarm Signal)

Bunnell J. H. & Co. ("Jove," "Falcon," "Vulcan"), 32 Park pl, New York
Edwards & Co., Exterior & 140th, New York
Gamewell Fire Alarm Telegraph Co., Newton Upper Falls, Mass.
Leveridge Chas. W. ("Diamond L"), 246 Fulton, New York
Loper Fire Alarm Co., Stonington, Conn.
Metropolitan Device Corp., 1250 Atlantic av, Brooklyn, N. Y.
Ostrander W. R. & Co., 371 B'way, New York
Samson Electric Co. ("Samson"), 237 Washington, Canton, Mass.
Star Electric Co., Binghamton, N. Y.
Universal Tool & Die Shop, 109 New Montgomery, San Francisco, Cal.

1229— Boxes (Fishing Tackle)

Advance Paper Box Co., 2722 Wash., St. Louis, Mo.
See adv index at end of book
Kraft A. C. ("Borcherdt" & "Wilson"), 323 W Lake, Chicago, Ill.
KNICKERBOCKER CASE CO. (Leather Kit), Fulton & Clinton, Chicago, Ill.
Merriam Mfg. Co. ("Johnson Trayless"), Durham, Conn.
Nicoll & Co., 190-198 Hooper, San Francisco, Cal.
Wilson F. Cortez Co. ("Borcherdt," "Wilson," "Landis"), 159 W Lake, Chicago, Ill.
Wright Bros. Paper Box Co., Fond du Lac, Wis.

Boxes (Floor)

See Boxes, Junction or Outlet

1230— Boxes (Folding Paper)

Advance Corrugated Box Co., 2837 S La Salle, Chicago, Ill.
American Box Board Co., Grand Rapids, Mich.
American Tri-State Paper Box Co., 808 17th av, Nashville, Tenn.
Andrews O. B. Co. (Roosevelt av & Belt R. Ry., Chattanooga, Tenn.
Battle Creek Paper Co., Ltd., Battle Creek, Mich.
Boehme & Rauch Co., Monroe, Mich.
Brown & Bailey Co., 410 Franklin, Phila., Pa.
Buffalo Box Factory (Corrugated), Scoville, Buffalo, N. Y.
Burt F. N. Co., 540 Seneca, Buffalo, N. Y.
California Paper Box Co., Inc., 3171 17th, San Francisco, Cal.
Campbell Paper Box Co. (Every Variety), South Bend, Ind.
Carton Corp., 645H Brannan, San Francisco, Cal.
Dayton Folding Box Co., 2727 Spring Grove av, Cincinnati, O.
Diepress Co. (Multicolor), Dept. H, Cazenovia, N. Y.
Downingtown Paper Box Co., East Downingtown, Pa.
Edwards Folding Box Co., 27 N 6th, Phila., Pa.
Empire Paper Tube & Box Co., 1133 B'way, New York
Fleishhacker A. & Co., 401 2nd, San Francisco, Cal.
Ft. Orange Paper Co., Castleton-on-Hudson, N. Y.
Friedel J. F. Paper Box Co. (Suit, Laundry, Cake, etc.), Syracuse, N. Y.
Gair Robert Co., 350H Madison av, New York
Gereke-Allen Carton Co., 1701 Chateau, St. Louis, Mo.
Gilkey Paper Box Co., 2909 S Alaska, Tacoma, Wash.
Grand Rapids Paper Box Co., Grand Rapids, Mich.
Heer Peter Paper Box Co., 213 Inst. Place, Chicago, Ill.
Hinde & Dauch Paper Co. (The), (Corrugated Fibre), 253 Water, Sandusky, O.
See adv index at end of book
Hollis & Duncan, 732 W Lake, Chicago, Ill.
Hummel & Downing Co., N Cambridge av, Milwaukee, Wis.
Illinois Glass Co. (Corrugated Paper), Alton, Ill.
Interstate Corrugated Box Co., 75 Front, Brooklyn, N. Y.
Knapp Geo. S., Bridgeport, Conn.
Kratz A. S. Co., Richmond, Va.
Lawrence Paper Mfg. Co. ("Jayhawk" Corrugated Paper), Lawrence, Kan.
Lincoln Paper Co., Lincoln, Neb.
Lindley Box & Paper Co., Marion, Ind.
Los Angeles Paper Box Co., 3324 S. Main, Los Angeles, Cal.
Mac-Sim-Bar Paper Co. (Corrugated Paper), Otsego, Mich.
Menasha Printing & Carton Co., Menasha, Wis.
Michigan Cash Register Co., 951 Porter, Detroit, Mich.
Milwaukee Paper Box Co., 712 Pierce, Milwaukee, Wis.
National Folding Box Co., New Haven, Conn.
O. K. Paper Pail Co., Middletown, O.
Pittsburgh Paper Box Co., Vanadium bldg, Pittsburgh, Pa.
Portland Paper Box Co., 92 Front, Portland, Ore.
Randolph Box & Label Co., 843 W Van Buren, Chicago, Ill.
Renshaw Jones & Sutton Co., 1331 S San Pedro, Los Angeles, Cal.
Rochester Folding Box Co., Rochester, N. Y.
Russell Box Co., Chelsea, Mass.
St. Louis Label Wks., 925 N 11th, St. Louis, Mo.
St. Louis Paper Co., 500 N 3d, St. Louis, Mo.
Schmidt Lithograph Co., 2nd & Bryant, San Francisco, Cal.
Sefton Mfg. Corp. (Corrugated Paper), 1301 W 35th, Chicago, Ill.
Seneca Falls Folding Box Co., Seneca Falls, N. Y.
Shuttleworth Keiller & Co., 220 W B'way, New York
Simpson & Moorehead, 465 River, Troy, N. Y.
Standard Carton Co., 2908 S Asotin, Tacoma, Wash.
Stettler F. C. Mfg. Co., Oregon & Occident, Portland, Ore.
Stone & Forsyth Co., 67 Kingston, Boston, Mass.
Thompson & Norris Co., The (Corrugated Paper), 212 Concord, Brooklyn, N. Y.
United Paper Board Co., 171 Madison av, New York
U. S. Paper Goods Co., 1224 W 8th, Cincinnati, O.
Waldorf Paper Products Co., St. Paul, Minn.
Whitney & Co., Leominster, Mass.

1231—*Boxes (Foundry, Steel)

Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
Breese Bros. Co., The, 2349 Reading Road, Cincinnati, O.
OHIO MFG. CO., P. O. Box 146, Painesville, O.
See adv index at end of book

1232— Boxes (Fuse)

See also Boxes, Switch

Brady Electric Mfg. Co. (Three Wire, etc.), New Britain, Conn.
Breese Bros. Co., The, 2349 Reading Road, Cincinnati, O.
See adv index at end of book
CHICAGO FUSE MFG. CO., Laflin & 15th, Chicago, Ill.
See adv index at end of book
Columbia Machine Works & Malleable Iron Co., Atlantic av, & Chestnut, Brooklyn, N. Y.
Columbia Metal Box Co., 226 E 144th, New York
Consolidated Car Heating Co., Dept. H, Albany, N. Y.
Crouse-Hinds Co. ("Condulets"), Syracuse, N. Y.
D & W Fuse Co., Hathaway, Providence, R. I.
GENERAL ELECTRIC CO., Schenectady, New York.
See adv index at end of book
Geuder Paeschke & Frey Co. (& Torpedo), 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Holzer R. G. (Estate of), 1317 Burgundy, New Orleans, La.
Johns-Manville Inc. ("Noark" Service Subway Boxes), Madison av & 41st, New York
Johns, Pratt Co. The ("Noark" Service, Subway, Car, Manhole, Meter, Protective, Special for any Electrical Device), Hartford, Conn.
Metropolitan Device Corp., 1250 Atlantic av, Brooklyn, N. Y.
Palmer Electric & Mfg. Co. (Service), 175H Fifth, Boston, Mass.
Pass & Seymour, Solvay, N. Y.
Philadelphia Electrical & Mfg Co. ("Pemco") 1236 N 31st, Phila., Pa.
Smith A. L. Iron Wks., Chelsa, Mass.
Tower-Binford Elec. & Mfg. Co., Richmond, Va.
Troy Electrical Co., Troy, N. Y.
WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa.
See adv index at end of book

1233—Boxes (Fuse, Street Car)

Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.
D. & W. Fuse Co., Hathaway, Providence, R. I.

1234—Boxes (Fused Coupling, for Feeder Cables)

Chicago Fuse Mfg. Co., Laflin & 15th, Chicago, Ill.
See adv index at end of book
D & W Fuse Co., Hathaway, Providence, R. I.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
Metropolitan Device Corp., 1250 Atlantic av, Brooklyn, N. Y.
Redwood Novelty Co., 976 12th, Oakland, Cal.

1234a— Boxes (Garbage)

Berg John & Bro., 5001 5th av, Chicago
Sanitary Garbage Box Co. (Concrete), 2510 Irving Pk Bl, Chicago, Ill.
Wesely Chas. Co. ("Wesely" Concrete), 3126 S. Canal, Chicago, Ill.

1235— Boxes (Gill)

Saco-Lowell Shops (for Drawing, Repairing & Finishing), 1 Federal, Boston, Mass.

1235a—Boxes (Glove Powder)

Advance Paper Box Co., 2722 Wash., St. Louis, Mo.
See adv index at end of book
Bogert & Hopper, Inc., 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book

1235b— Boxes (Gold Paint)

BOGERT & HOPPER, INC., 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Metal Package Corp. of N. Y., 110 E 42nd, New York
See adv index at end of book
Ullman Mfg. Co., 353 E 59th, New York

1236—Boxes (Grease, Plumbers')

Boekel, Wm. & Co., 518 Vine, Philadelphia, Pa.
Johnson Wm. (Hedenberg Works), Newark, N. J.
Metal Package Corp. of N. Y., 110 E 42nd, New York
See adv index at end of book

Boxes (Grindstone)

See Grindstone Boxes, Frames

1237—Boxes (Hardware & Tool)

ESTES E. B. & SONS, 364 5th av, New York
See adv index at end of book
Milwaukee Stamping Co., W. Allis, Milwaukee, Wis.
See adv index at end of book
New England Box Co., 104 E. 42nd, New York

1237a— Boxes (Hat)

Advance Paper Box Co., 2722 Wash., St. Louis, Mo.
See adv index at end of book
Boyle John & Co., 112 Duane, New York
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Galewski A. & Son, 453 Broome, New York
National Veneer Products Co., Mishawaka, Ind.
Warren Leather Goods Co., Worcester, Mass.
White F. H. Co., E & Filbert, Phila., Pa.
Whitney & Co. (Fancy), Leominster, Mass.

1238— Boxes (Hinged Cover)

Advance Paper Box Co., 2722 Wash., St. Louis, Mo.
See adv index at end of book
Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons (Wooden), 364 5th av, New York
See adv index at end of book
New England Box Co. (Wooden White Pine, Kiln Dried Pine, Basswood & Hardwood), 104 E. 42nd, New York
See adv index at end of book
Stiles H. A. & Co. (Wooden), 166-174 Portland, Boston, Mass.
See adv index at end of book

1238a— Boxes (Hot)

Metal Package Corp. of N. Y., 110 E 42nd, New York
See adv index at end of book
Weatherly Co. (for Japanning), Grand Rapids, Mich.

1239— Boxes (Jack)

American Electric Co., 6401 S State, Chicago, Ill.
Garl Electric Co., Akron, O.

1240— Boxes (Jewelers')

Advance Paper Box Co., 2722 Wash., St. Louis, Mo.
See adv index at end of book
Bergner Fred & Co., Paca & Cross, Baltimore, Md.
Dennison Mfg. Co., S Framingham, Mass.
Elmwood Box Co., 87 Willard av, Providence, R. I.
Farrington Mfg. Co., Bartlett sq. Jamaica Plain Sta., Boston, 30, Mass.
Jencks Paper Box Co., 45 Waldo, Providence, R. I.
Jewelry Displaying & Box Novelty Co. (For Jewelry & Silverware), 21 Ritch, San Francisco, Cal.
Muhs Mfg. Co., 272 Tehama, San Francisco, Cal.
New England Box Co., 104 E. 42nd, New York *See adv index at end of book*
Nicoll & Co., 190-198 Hooper, San Francisco, Cal.
Noble F. H. & Co., 555H W 59th, Chicago, Ill.
Peterson F. W. Co., 18 Greene, New York
Ritchie W. C. & Co., 831 W VanBuren, Chicago, Ill.
Taylor Card & Box Co., 33 Broad, Providence, R. I.
Young Bros., 722 Eddy, Providence, R. I.

1241— Boxes (Journal)

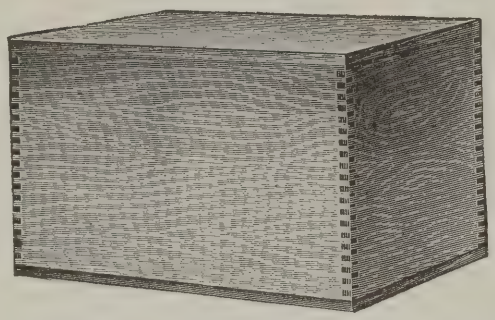
Allis-Chalmers Co., Milwaukee, Wis.
See adv index at end of book
American Car & Foundry Co., Syndicate Trust bldg., St. Louis, Mo.
Bailey & Burruss Mfg. Co., Atlanta, Ga.
Barnard & Leas Mfg. Co., Moline, Ill.
Brill J. G. Co., 62nd & Woodland av, Phila, Pa.
Brown, A. & F. Co., 79 Barclay, New York
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Chain Belt Co., 1746 Park, Milwaukee, Wis.
See adv index at end of book
Chester Steel Casting Co., Chester, Pa.
Chicago Railway Equipment Co. ("Creco"), 1928 W 46th, Chicago, Ill.
Chickasaw Machine & Foundry Co., 298 N 2nd, Memphis, Tenn.
Columbia Machine Works & Malleable Iron Co. (Shims, Covers, Wedges, Brasses & Check Plates), Atlantic av & Chestnut, Brooklyn, N. Y.
Cresson-Morris Co., Allegheny & 18th, Philadelphia, Pa.
Falls Clutch & Machinery Co., Cuyahoga Falls, Ohio
Fleming J. R. & Son Co., Scranton, Pa.
Fritz Geo. J. Foundry & Machine Co., 2018 S 3rd, St. Louis, Mo.
Gould Coupler Co. ("Gould" Malleable Iron), 30 E 42nd, New York
Great Western Mfg. Co., Leavenworth, Kan.
Hanson Clutch & Machy. Co., Tiffin, O.
Hill Clutch Machine & Foundry Co., W 65th, Cleveland, O.
Hoppen J. E. & Sons, 78 Main, Belleville, N. J.
See adv index at end of book
Jones E. D. & Sons Co., Pittsfield, Mass.
Jones W. A. Foundry & Machine Co., 4401 W 12th, Chicago, Ill.
Lane Mfg. Co., Montpeller, Vt.
Leffel Jas. & Co., East St., Springfield, O.
LINK-BELT COMPANY, 300 W. Pershing rd, Chicago, Ill.
See adv index at end of book
McCord & Co. ("McCord" Malleable Iron for Railroads), 122 S Michigan av, Chicago, Ill.
Michigan Malleable Iron Co. ("Detroit"), 7740 Gould, Detroit, Mich.
National Malleable Casting Co., H. Quincy, Cleveland, O.
Nordyke & Marmon Co. (Ball & Socket), Morris & Kentucky av, Indianapolis, Ind.
Pratt & Letchworth Co., 189 Tonawanda, Buffalo, N. Y.
Rollway Bearing Co., Inc. (Roller Bearing), 541 Seymour, Syracuse, N. Y.
St. Louis Car Co., 8000 B'way, St. Louis, Mo.
Symington T. H. Co. ("Symington"), 233 B'way, New York
Taylor Electric Truck Co., Troy, N. Y.
Taylor W. P. Co. ("Taylor's," Dustproof Self-Locking), Ellicott sq., Buffalo, N. Y.
Trump Mfg. Co., Springfield, O.
Union Spring & Mfg. Co. ("Kensington" All Steel), New Kensington, Pa.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book
Wolf Co. (Plain, for Conveyor Rolls), Chambersburg, Pa.
Wood's T. B. Sons Co., Chambersburg, Pa.
Woonsocket Machine & Press Co., Woonsocket, R. I.

1242—Boxes (Junction or Outlet)

Acme Metal Stamping Co., 429 Prospect, N W, Cleveland, O.
Adam Frank Electric Co. (Junction), 3650 Windsor, St. Louis, Mo.
Adapti Mfg. Co. ("Adapti" Ceiling Outlet for Looms & Conduits), 2990 E. 72nd, Cleveland, O.
Advance Electric & Mfg. Co., 1302 W 9th, Kansas City, Mo.
Appleton Electric Co. ("Appleton"), Wellington & Paulinco, Chicago, Ill.
Arrow Electric Co. ("Pipe Ends"), Hartford, Conn.
Aurora Steel Products Co., Aurora, Ill.
Austin M. R. & Co., 706 W Jackson bl., Chicago, Ill.
Barlow Foundry Co. ("Jem"), 551 N. J. R. R. av, Newark, N. J.
Berry-Glosser Co., Marion, O.
Bierman-Everett Foundry Co., Irvington, N. J.
Bonnell W. A. Co., 192 Chambers, New York
Brady Electric Mfg. Co. ("Brady" Arc), New Britain, Conn.
Breese Bros. Co., The, 2943 Reading rd, Cincinnati, O.
See adv index at end of book
Burns Jas. F., 713 Cherry, Phila., Pa.
Cavin F. T., 400 West av 26, Los Angeles, Cal.
Central States Steel Equipment Co. ("Better-Bilt" & "Central States"), Center & Allen, Joliet, Ill.
Chelten Elec. Co., Stenton & Rockland, Phila., Pa.
CHICAGO FUSE MFG. CO. ("Union"), Lafiin & 15th, Chicago, Ill.
See adv index at end of book
Cleverly Electrical Works, 17 N 7th, Phila, Pa.
Coast Specialty Co., 72 E 6th, Portland, Ore.
Colgan W. H. Co. ("Rex"), W. Newton, Mass.
Columbia Metal Box Co., 226 E 144th, New York
Conlan Electric Co., 86 Walker, New York
Connecticut Elec. Mfg. Co., Bridgeport, Conn.
Cook Electric Co., 2700 Southport, Chicago, Ill.
Crouse-Hinds Co. ("Condulets"), Syracuse, N. Y.
Cutter Geo. C., South Bend, Ind.
D & W Fuse Co., Hathaway, Providence, R. I.
East Pico Sheet Metal Mfg. Co., 715 E. Pico, Los Angeles, Cal.
Economy Elec. Spec. Co., 37 W Van Buren, Chicago, Ill.
ECONOMY FUSE & MFG. CO. ("Economy"), Greenview av, at Diversey pkway, Chicago, Ill.
See adv index at end of book
Electric Motor & Engineering Co. (Steel), 1410 2nd S W, Canton, Ohio
Fancieve Specialty Co., Boston, Mass.
Fouch Elec. Mfg. Co., 105 N 9th, Portland, Ore.
Federal Elec. Co., 8700 S. State, Chicago, Ill.
Federal Steel Products Co., 2 av L, Newark, N. J.
G & W Electric Specialty Co. (Subway), 7440 S Chicago av, Chicago, Ill.
Geometric Stamping Co., 221 E 131st, Cleveland, O.
GEUDER, PAESCHKE & FREY CO., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Gillette-Vibber Co. ("G. V." Outlet), New London, Conn.
Gleason James & Co., 515 W Jackson blvd, Chicago, Ill.
Globe Sheet Metal Mfg. Co., 854 Howard, San Francisco, Cal.
Hart & Hegeman Mfg. Co., 342 Capitol av, Hartford, Conn.
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Holzer R. G. (Est of), 317 Burgundy, New Orleans, La.
Iron Spec. Co., 2098 3rd av, New York
Johns-Manville Inc. ("Noark"), Madison av & 41st, New York
Louisiana Metal Cabinet Wks., New Orleans, La.
MacMillan John W., 201 N Los Angeles, Los Angeles, Cal.
Mansfield Electric Hardware Co., Mansfield, O.
Metropolitan Device Corp., 1250 Atlantic av, Brooklyn, N. Y.
Meyers Safety Switch Co., 419 Tehama, San Francisco, Cal.
Multi Electrical Mfg. Co. ("Multi"), 1848 W 14th, Chicago, Ill.
Mutual Electric & Machine Co., 232 Fort W Detroit, Mich.
National Metal Molding Co. ("National"), 1110 Fulton bldg, Pittsburgh, Pa.
New England Machine & Electric Co., Pawtucket, R. I.
Newgard Henry & Co. ("Newgard"), 549 Wash'n boul, Chicago, Ill.
Ostrander W. R. & Co., 371 B'way, New York
Palste H. T. Co. ("Palste"), 3201H Arch, Philadelphia, Pa.
Pass & Seymour (Junction), Solvay, N. Y.
Peterson Chas. J. Co., 725 Fulton, Chicago, Ill.
Pringle Electrical Mfg. Co., 1906 N 6th, Phila, Pa.
Protective Electrical Supply Co., Fort Wayne, Ind..
Renim Specialty Co. ("Renim" Universal for Flexible Metallic & Non-Metallic Conduits), Brighton, Boston, Mass.
Robb & Blackmer, 129 Pearl, Boston, Mass.
Russell & Stoll Co. (Floor Only), 17 Vandewater, New York
Safety Electric Products Co., 1548 Central av, Los Angeles, Cal.
Seidler-Miner Co. (Marine), 36 E. Larned, Detroit, Mich.
Standard El. Fitting Co., Stamford, Conn.
Standard Elec. Manfg. Co., 316 N Clinton, Chicago, Ill.
Standard Sheet Metal Corp., 702-4R, Fresno, Cal.
Standard Sheet Metal Works, Washington, Pa.
Standard Underground Cable Co. (Cable Junction Box for High Tension Transmission Circuits), 17th & Pike, Pittsburgh, Pa.
Stanley & Patterson ("Patterson," "Fielding"), 23 Warren, New York
Star Metal Box Co., 509 W 19th, New York
Stecker Elec. & Machine Co., 117 E Atwater, Detroit, Mich.
Steel City Electric Co. ("Steel City," "Campbell" Receptacle, "Fullman"), 1207 Columbus av, Pittsburgh, Pa.

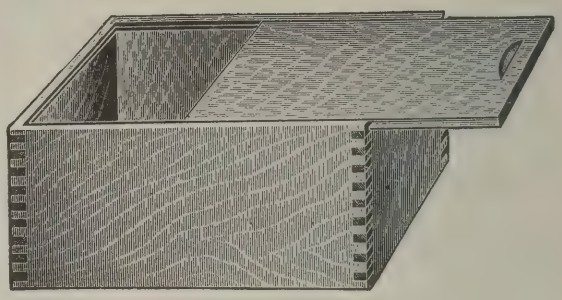
(Continued on following page)

WOODEN BOXES



LOCKED CORNER
NAIL CORNER
SHOOKS

Eastern White Pine Basswood Mailing Boxes, and Nested Shipping Boxes carried in stock at New York



BOGERT & HOPPER, Inc., 57 Barclay Street, N. Y.

MILLS:
Maine, Vermont, Massachusetts

Boxes (Junction or Outlet)—Continued

Thomas & Betts Co., 63 Vesey, New York
Toledo Metal Products Co., Spitzer bldg, Toledo, O.
United Electrical Construction Co., 110 S Dearborn, Chicago, Ill.
Universal Elec. & Specialty Mfg. Co., New Orleans, La.
V. V. Fittings Co., 711 Cherry, Phila., Pa.
Western Safety Mfg. Co., Inc. ("Westest"), 247 Minna, San Francisco, Cal.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book
Wilson A. B. Co., 1051 Power bldg, Cleveland, O.
Wurdack Wm. Elec. Mfg. Co., 21 S 11th, St. Louis, Mo.
Yager Sheet Metal Co. (Underwriters' Label), 3509 Chestnut, Oakland, Cal.
Zeigler Mfg. Co., Alexandria, Ind.

Boxes (Letter)

See Boxes, Mail

Boxes (Lithographed Metal)

See Boxes & Cans, Litho Metal

1243— Boxes (Lock)

Bethlehem Shipbuilding Corp, Ltd. (Oil Refinery), Dept. H, Broadhead & Parker av, Bethlehem, Pa.
Corbin Cabinet Lock Co., New Britain, Conn.
GENERAL FIREPROOFING CO. (THE), 2308 Logan av, Youngstown, O.
See adv index at end of book
Geuder Paeschke & Frey Co., 1314-1790 St. Paul, Milwaukee, Wis.
See adv index at end of book
Gilbert Walter B. & Co., York, Pa.
Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.
Merriam Mfg. Co. (Tin), Durham, Conn.
Stirrup Mfg. Co., Inc., Market st, Newark, N. J.
Underwriters Safe Co., Toledo, O.
Wharton Wm. Jr. & Co., Inc. (For Railway Switches), Easton, Pa.
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

1244— Boxes (Lock Corner)

Acme Box Co., 1401 W 21st pl, Chicago, Ill.
Alliger Box & Lumber Co., N Tonawanda, N. Y.
American Crayon Co. ("Basswood"), 1300 Hayes av, Sandusky, O.
American Woodworking Co., 106 Reade, New York
Atwood & McManus Box Co. (Wooden), Chelsea, Mass.
Beck August C. Co., 1-30 East, Milwaukee, Wis.
Becker Mfg. Co. (For Storage Batteries), Marietta, O.
BOGERT & HOPPER, INC. (Wooden), 57 Barclay, New York
See adv index at end of book
Cal. Novelty Wooden Box Co., 3552 18th, San Francisco, Cal.
Cardington Cabinet Co., Cardington, O.
Chicago Mill Lumber Co., 500 N Dearborn, Chicago, Ill.
Columbia Box Co., 19th & N Market, St. Louis, Mo.
Connecticut Box Co., 373 Lexington av, New Haven, Conn.
Dunning, J. H., Corp., 53 Park pl, New York
Embry Box Co., Louisville, Ky.
ESTES E. B. & SONS (Wooden), 364 5th av, New York
See adv index at end of book
Franklinville Canning Co., Franklinville, N. Y.
Golden State Box Factory, 1200 E. 8th, Los Angeles, Cal.
Green, A. H., Co., 103 Park av, New York
Griggs-Hanna Co., 4086 Michigan av, Detroit, Mich.
Hart Dow, J., Marlboro, N. H.
Merz G. & Co., 112 W. Superior, Chicago, Ill.
New England Box Co. (White Pine, Kiln Dried Pine, Basswood, Finished & Polished Hardwood), 104 E 42nd, New York
Newton & Thompson Mfg. Co., 200 5th av, New York
Niagara Box Co., 820 S Division, Buffalo, N. Y.
Nicoll & Co., 190-198 Hooper, San Francisco, Cal.
Novelty Turning Co., Norway, Me.
Oakland Box Factory, 5th & Oak, Oakland, Cal.
Omaha Box Co., Omaha, Neb.
Page Geo. G. Box Co., Cambridge, Mass.
Parsons Mfg. Co., Chelsea, Mass.
Peirce W. E. & Co., Milford, N. H.
PETERSON, F. W., CO., 113 Greene, New York
Pullman Ventilator & Mfg. Co., York, Pa.
Schutz Bros., 152 Chambers, New York
Sheip Hy. H. Mfg. Co., 6th & Columbia av, Phila., Pa.
Smith A. L. Iron Wks., Chelsea, Mass.
STILES H. A. & CO. (Wood), 166-174 Portland, Boston, Mass.
See adv index at end of book
Thomas T. R. (Wooden), Dept. H, Bristol, Vt.
Thompson Jas. A., Lowell, Mass.
Tollner's Chas. Sons Co., Pulaski, N. Y.
Union Hardware Co., Torrington, Conn.
West F. M. Box Co. (Side Cover), 120 Lowell av, Springfield, Mass.
Western Box Co., 326 River, Chicago, Ill.

1245—Boxes (Locomotive Driving)

Damascus Bronze Co. ("Damascus"), N. S., Pittsburgh, Pa.
Franklin Ry Supply Co. ("Cole" Extended), 17 E 42nd, New York
Keystone Bronze Co., 39th & A. V. R. R., Pittsburgh, Pa.

1246— Boxes (Lunch)

Am. Can Co. ("Moore's Tin Folding"), 120 B'way, New York
See adv index at end of book
Enoch Mfg. Co., Mount Sterling, Ky.
Fletcher, Terry Co. (Folding Fibre, etc), Forestville, Conn.
Hampden Toy Co. ("Paragon De Luxe" fibre, folding, rigid), Westfield, Mass.
Kennebunk Mfg. Co. (Folding Fibre, etc), Milton, N. H.
Landers, Frary & Clark Co. ("Universal" Metal), New Britain, Conn.
Loeb Ben S. Co. ("Eveready"), 19 W 23rd, New York
Metal Package Corp. of N. Y., 110 E 42nd, New York *See adv index at end of book*
Reading Saddle & Mfg. Co. ("20th Century," "Eagle," "Black Diamond," "American," "Raven," "Reading"), Reading, Pa.
White Paper Box Co. ("Perfection"), Holyoke, Mass.

1247— Boxes (Mail)

See also Boxes, Rural Mail

Ajax Hardware Mfg. Co. ("Ajax Rust-Proof"), 854 Ellicott, Buffalo, N. Y.
Alsteel Mfg. Co. (Letter & Package Boxes for Street), Battle Creek, Mich.
American Mailing Device Corp., 203 E 12th, New York
Cassady, Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Corbin Cabinet Lock Co. (Apartment House & Office Letter Boxes), New Britain, Conn.
Couch S. H. Co., Norfolk Downs, Mass.
Coy Mfg. Works (High Grade Apartment), 3101 S Canal, Chicago, Ill.
Elec. Apparatus Co., 701 W Jackson blvd, Chicago, Ill.
ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*
Federal Equipment Co., Carlisle, Pa.
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Forest City Foundry & Mfg. Co. ("Standard"), 1220 Main av, Cleveland, O.
Griswold Mfg. Co., Erie, Pa.
Gray Iron Foundry Co., Reading, Pa.
Introstile Mfg. Co. ("Urban"), Marietta, O.
Janney & Co. (Babbitted), Montgomery, Ala.
Keil Frances & Son, 401 E 163d, New York
Lovell F. H. & Co., Arlington, N. J.
Manhattan Electrical Supply Co. (House Letter), 17 Park pl, New York
Menominee Elec. Mfg. Co., Menominee, Mich.
Merriam Mfg. Co. (Tin), Durham, Conn.
Metal Package Corp. of N. Y., 110 E 42nd, New York *See adv index at end of book*
Metal Forming Corp. ("City Gem"), Elkhart, Ind.
Nicol & Co., 218 N Jefferson, Chicago, Ill.
North Shore Ferneries Co., Beverly, Mass.
Northwestern Mail Box Co. ("Carriers' Friend"), 5029 McKissock, St. Louis, Mo.
Oakes Mfg. Co., Tipton, Ind.
Ostrander W. R. & Co., 371 B'way, New York
Pacific Stove & Stamping Co., Idaho & Inwanish av, Seattle, Wash.
Peck C. A. Hardware Co., Berlin, Wis.
Penn-Greg Mfg. Co. ("Mailo"), Capital Bank bldg, St. Paul, Minn.
Phelps & Sons Mfg. Co., 110 Pennington, Newark, N. J.
Presteel Co. (Steel), Grafton, O.
Rock Island Mfg. Co., Rock Island, Ill.



Established 1847 **E. B. ESTES & SONS** Manufacturers of
Lock Cornered Eastern White Pine and Basswood
PACKING and MAILING BOXES



ALSO FINISHED HARDWOOD BOXES *FINE PRINTING A SPECIALTY*

364 5th AVENUE, NEW YORK CITY

Samson Elec. Co. ("Samson"), 237 Washington, Canton, Mass.
Standard Elec. Manfg. Co. (Combination, Apartment House), 935 Wrightwood av, Chicago, Ill.
Standard Stamping Co., Huntington, W. Va.
Stiles, H. A., & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book
Superior Stamping Co., 2nd & Elm, Cincinnati, O.
Walsh Owen Mfg. Co., 225 6th av, New York
Winfield Mfg. Co., Warren, O.

1248— Boxes (Mailing)

Advance Paper Box Co. (Pasteboard), 2722 Wash, St. Louis, Mo.
BOGERT & HOPPER, INC. (Wood), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons (Screw Cover), 364 5th av, New York
See adv index at end of book
Janney & Company (Babbitted), Montgomery, Ala.
Jencks Paper Box Co. ("Sensible," "Whitney"), 45 Waldo, Providence, R. I.
New England Box Co., 104 E 42nd, New York *See adv index at end of book*
Peterson, F. W., Co., 113 Greene, New York
Ritchie W. C. & Co., 831 W Van Buren, Chicago, Ill.
Smead Mfg. Co. (Adjustable & Expansive, Bandless for Currency), Hastings, Minn.
St. Louis Paper Can & Tube Corporation (Fibre), St. Louis, Mo.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Vt. Box Co. (Wood), Dept. H, Bristol, Vt.

1249—Boxes (Manhole Junction)

D & W Fuse Co., Hathaway, Providence, R. I.
G. & W. Electric Specialty Co., 7440 S Chicago av, Chicago, Ill.
Johns-Manville Inc. ("Noark"), Madison av & 41st, New York
Metropolitan Device Corp., 1250 Atlantic av, Brooklyn, N. Y.
Ricker Mfg. Co., 239 N Water, Rochester, N. Y.
Standard Underground Cable Co., 17th & Pike, Pittsburgh, Pa.

1250— Boxes (Medicinal, Toilet, Etc.)

Advance Paper Box Co., 2722 Wash, St. Louis, Mo.
AMERICAN CAN CO. (Seamless, etc), 120 B'way, New York
See adv index at end of book
Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons (Wood), 364 5th av, New York *See adv index at end of book*
METAL PACKAGE CORP. OF N. Y., 110 E 42nd, New York
See adv index at end of book
New England Box Co., 104 E 42nd, New York *See adv index at end of book*
Ritchie W. C. & Co. (Paper), 831 W Van Buren, Chicago, Ill.

1251-2— Boxes (Metal)

AMERICAN CAN CO., 120 B'way, New York *See adv index at end of book*
Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Central Metal Products Co. ("C. M. P."), Canton, Ohio
Donley Bros. Co. (The) (Electric), 3625 E 74th, Cleveland, O.
See adv index at end of book
Fidelity Can Co., 600H S. Caroline, Baltimore, Md.
Gilbert Walter B. & Co., York, Pa.
Galvanized Products Co., 3410 Lake av, Cleveland, Ohio
Geuder Paeschke & Frey Co. (Battery), 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Globe-Wernicke Co. (The) (Security), 25 Carthage av, Cincinnati, Ohio
See adv index at end of book
Gray Peter & Sons Inc., 286 3rd, Cambridge, Mass.
Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cincinnati, O.
Metal Package Corp. of N. Y., 110 E 42nd, New York *See adv index at end of book*
Mullins Body Corp., Dept. H., Salem, Ohio
Penn Metal Co. ("Penco"), 65A Franklin, Boston, Mass.
Rockwell-Barnes Co. ("Rockbarnes" File), 823 S Wabash av, Chicago, Ill.
Stirrup Mfg. Co. Inc. (Artists' for Colors), 397 Market, Newark, N. J.
Van Dorn Iron Works Co. (The), 2700 E 79th, Cleveland, Ohio
See adv index at end of book
Western Can Co., 180 Townsend, San Francisco, Cal.
Wheeling Corrugating Co., Wheeling, W. Va.

1253— Boxes (Meter)

Advance Electric & Mfg. Co., 1302 W 9th, Kansas City, Mo.
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Art Concrete Works, Inc. ("Safti-Posit"), 366 S Fair Oaks av, Pasadena, Cal.
Brady Electric Mfg. Co. (For Sealing Wires After Meter is Removed), New Britain, Conn.
Casey-Hedges Co. (Cast Iron), Chattanooga, Tenn.
Central Metal Products Co. ("C. M. P."), Canton, Ohio
Chattanooga Sewer Pipe Works, W 11th & Cross, Chattanooga, Tenn.
Clark H. W. Co. ("Clark," "Southland"), Mattoon, Ill.
Clarksville Foundry & Machine Works ("Ryder" Self-Locking), Clarksville, Tenn.
Columbian Iron Works ("Columbian"), 811 Boyce, Chattanooga, Tenn.
Columbus Sewer Pipe Co., Columbus, Ga.
Dickey W. S. Clay Mfg. Co., Life bldg, Kansas City, Mo.
Donley Bros. Co. (The) (Electric), 13935 Miles av, Cleveland, O.
See adv index at end of book
Ford Meter Box Co., Wabash, Ind.
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Janney & Co., Montgomery, Ala.
Macomb Sewer Pipe Works, Macomb, Ill.
Macon Sewer Pipe Works, Macon, Ga.
Metropolitan Device Corp., 1250 Atlantic av, Brooklyn, N. Y.
Modern Iron Works ("Andrews" & "Modern"), Quincy, Ill.
Nichols Mfg. Co., Ottumwa, Ia.
San Antonio Sewer Pipe Works, San Antonio
Southern Sewer Pipe Works, Birmingham, Ala.
Standard Sewer Pipe Works, Rome, Ga.
Texarkana Pipe Works, Texarkana, Tex.
Withers Foundry & Machine Works, Atlanta, Ga.

1253a—*Boxes (Meter Dial Curb)

BUFFALO METER CO., 2921 Main, Buffalo, N. Y.
See adv index at end of book

1253b—Boxes (Microscope Slide)

Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av., New York *See adv index at end of book*
New England Box Co., 104 E 42nd, New York
Stiles, H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book

1254— Boxes (Milk)

Eimer & Amend ("E. & A."), 205 E 18th, New York
Fidelity Can Co., 600H S. Caroline, Baltimore, Md.
Rice & Adams (Sanitary), Buffalo, N. Y.

1254a— Boxes (Mill)

Gray Peter & Sons Inc. (Metal), 286 3rd, Cambridge, Mass.
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
See adv index at end of book
Wilson, Andrew Co., 616 Essex, Lawrence, Mass. *See adv index at end of book*

1255— Boxes (Miners' Squib)

Anton Geo. T. & Bro., Monongahela, Pa.

1256— Boxes (Mitre)

Gay Geo. E. ("Gem" Folding), Augusta, Me.
Goodell Mfg. Co. ("Goodell" Bessemer Steel & "Greenfield" Iron), Greenfield, Mass.
Goodell-Pratt Co. ("Goodell" & "All-Steel"), Greenfield, Mass.
Jennings C. E. & Co., 71 Murray, New York
McCarty J. C. & Co. ("Victor" Folding), 29 Murray, New York
Manumotor Co. ("Kawalle Automatic"), Manitowoc, Wis.
Mayhew H. H. Co. ("Mayhew"), Shelburne Falls, Mass.
Millers Falls Co. ("Langdon" & "Millers Falls"), Dept. H, Millers Falls, Mass.
Nicholls Mfg. Co. ("True"), Ottumwa, Iowa
Overholt Co. (Autos, etc), Galesburg, Ill.
Rockford Mitre Box Co. ("Star," "Honeycomb" for Metal or Wood), Rockford, Ill.
SMITH & HEMENWAY CO., INC. ("Seavey," Patent, "Red Devil", 261 H B'way, New York; 130 H. Colt, Irvington, N. J. *See adv index at end of book*
Stanley Rule & Level Co. ("Stanley," "Victor"), New Britain, Conn.
Stearns E. C. & Co. ("Stearns" Folding), 450 Oneida, Syracuse, N. Y.
Union Hardware Co. ("Perfection"), Torrington, Conn.

1257— Boxes (Muffle)

Bethlehem Foundry & Machine Co. (For Chemical Mfg, etc), Front, South Bethlehem, Pa.
Garwood Bronze & Iron Works, Garwood, N. J.

1258— Boxes (Music)

Jacot A. H., 29 John, New York
Regina Co., 103 E 125th, New York

1259— Boxes (Nail)

AMERICAN STEEL & WIRE CO. ("Mrs. McGregor"), 208 S La Salle, Chicago, Ill. *See adv index at end of book*
Aurora Steel Products Co., 3rd, Aurora, Ill.
Bogert & Hopper, Inc. (Polished), 57 Barclay, New York
See adv index at end of book
Fidelity Can Co., 600H S. Caroline, Baltimore, Md.
Lyon Metallic Mfg. Co. ("Lyon" Steel), Aurora, Ill.
New England Box Co., 104 E 42nd, New York *See adv index at end of book*
OHIO MFG. CO., P. O. Box 146, Painesville, O. *See adv index at end of book*
St. Louis Paper Can & Tube Corporation (Fibre, for Roofing Nails), St. Louis, Mo.

1259a— Boxes (Nested)

Advance Paper Box Co., 2722 Wash., St. Louis, Mo. *See adv index at end of book*
BOGERT & HOPPER, INC. (Wood), 57 Barclay, New York
See adv index at end of book
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Metal Package Corp. of N. Y., 110 E 42nd, New York *See adv index at end of book*
New England Box Co., 104 E 42nd, New York
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book

1260— Boxes (Oil Fuse)

Janney & Co., Montgomery, Ala.
Ricker Mfg. Co. ("Rochester"), Rochester, N. Y.

1260a— Boxes (Optical Mailing)

Advance Paper Box Co., 2722 Wash., St. Louis, Mo. *See adv index at end of book*
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

Est. 1847 **E. B. ESTES & SONS**
Manufacturers of Lock Cornered Eastern White Pine and Basswood
PACKING & MAILING BOXES
Also Finished Hardwood Boxes
Fine Printing a Specialty
364 5th AVENUE NEW YORK CITY

Mission Paper Box Co., 2005 Bryant, San Francisco, Cal.
New England Box Co., 104 E 42nd, New York *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book
Thomas T. R., Dept. H, Bristol, Vt.
Vt. Box Co., Dept. H, Bristol, Vt.

Boxes (Outlet or Junction)

See Boxes, Junction or Outlet

1260b— Boxes (Paper)

See also Boxes, Corrugated Paper, etc.

Advance Corrugated Box Co., 2837 S La Salle, Chicago, Ill.
Advance Paper Box Co. (All kinds), 2722 Wash., St. Louis, Mo.
All Paper Box Co. (Candy Boxes, etc.), 125 S. 8th, St. Louis, Mo.
Baldwin Eli & Son (Cloth Covered), 84H Wooster, New York
Bisler G. A. Inc., 345 N 6th, Phila., Pa.
Campbell Tag Co. ("Campbell"), South Bend, Ind.
Casselman T. & E. Inc. (Cloth Covered), 356 W. 18th, New York
Drake H. R. & Sons, Inc., Palmyra, N. Y.
Farrington Mfg. Co., Bartlett sq, Jamica
Fort Wayne Box Co., Fort Wayne, Ind.
Gair Robert Co., 350H Madison av, New York

(Continued on following page)

Boxes (Paper)—Continued

Globe Paper Box Co., 223 W Huron, Chicago, Ill.
Heer Peter Paper Box Co., 213 Inst. pl., Chicago, Ill.
Hinde & Dauch Paper Co. (The) (Corrugated), 253 Water, Sandusky, O.
See adv index at end of book
Hoffman J. C., Inc. (Round), 259 3rd av, New York
Independent Paper Box Co., 1205 Kirkham, Oakland, Cal.
Jewelry Displaying & Box Novelty Co., 21 Ritch, San Francisco, Cal.
Los Angeles Paper Box Co., 3324 S Main, Los Angeles, Cal.
Mission Paper Box Co., 2005 Bryant, San Francisco, Cal.
Paper Package Co. (Set Up), 621 S. Delaware, Indianapolis, Ind.
Portland Paper Box Co., 92 Front, Portland, Ore.
Renshaw Jones & Sutton Co., 1231 S. San Pedro, Los Angeles, Cal.
RITCHIE W. C., & CO., 831 W Van Buren, Chicago, Ill.
Rochester Paper Products Co. (Round Cardboard), Rochester, N. Y.
Sealright Co., Inc., Fulton, N. Y.
Simpson & Moorehead, 465 River, Troy, N. Y.
Singer Paper Box Co., 815 W Congress, Chicago, Ill.
Whitney & Co., Leominster, Mass.

1261—Boxes (Paper, Metal Edge)

National Metal Edge Box Co., 1217 Callowhill, Phila., Pa.
N. Y. Metal Edge Box Works, 212 Front, New York

1262— Boxes (Paper Shipping)

American Paper Products Co., 2nd & Bremen av, St. Louis, Mo.
Bridgman Smith Co., 437 Kent av, Brooklyn, N. Y.
Foster Box Board Co., Utica, N. Y.
Western Paper Box Co., 172 N Green, Chicago, Ill.

1263— Boxes (Parcel Post)

Advance Paper Box Co., 2722 Wash., St. Louis, Mo. *See adv index at end of book*
BOGERT & HOPPER, INC. (Wood), 57 Barclay, New York
See adv index at end of book
ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*
Foster Box Board Co., Utica, N. Y.
HINDE & DAUCH PAPER CO. (THE) (Corrugated Fibre), 253 Water, Sandusky, O.
See adv index at end of book

THE HINDE & DAUCH PAPER CO.
Corrugated Fibre Shipping Boxes and Packing Materials
253 Water St., SANDUSKY, OHIO

New England Box Co., 104 East 42nd, New York
Peterson, F. W., Co., 113 Greene, New York
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book

1264— Boxes (Pencil)

Advance Paper Box Co., 2722 Wash., St. Louis, Mo.
See adv index at end of book
American Mfg. Concern (Advertising), Falconer, N. Y.
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Eagle Pencil Co., 703 E 13th, New York
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Farrington Mfg. Co., Bartlett sq, Jamaica Plain Sta., Boston 30, Mass.
Ritchie W. C. & Co., 831 W Van Buren, Chicago, Ill.
Tollner's Chas. Sons Co., Pulaski, N. Y.

1264a— Boxes (Pin & Trinket)

Advance Paper Box Co., 2722 Wash., St. Louis, Mo. *See adv index at end of book*
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Ritchie W. C. & Co., 831 W Van Buren, Chicago, Ill.
Schimper William & Co., 322-338 Ferry, Hoboken, N. J.
Stiles, H. A. (Hairpin, Wood), 166-174 Portland, Boston, Mass.
See adv index at end of book

1265— Boxes (Pitman)

Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Herschel R. Mfg. Co., Peoria, Ill.

1265a—Boxes (Plant, All Metal)

Majestic Co., Huntington, Ind.

1265b—Boxes (Polished Wood)

BOGERT & HOPPER, INC., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
New England Box Co., 104 E 42nd, New York
Nicoll & Co., 190-198 Hooper, San Francisco, Cal.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book

1266— Boxes (Porous Clay)

Maddock John & Sons (Special Oblong, etc), Trenton, N. J.

1267—Boxes (Post Office Lock)

Advance Paper Box Co. (Mailing), 2722 Wash., St. Louis, Mo.
See adv index at end of book
Eagle Lock Co., Terryville, Conn.
Federal Equipment Co., Carlisle, Pa.
Keyless Lock Co., Pike & Honey, Indianapolis, Ind.
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

1268— Boxes (Powder)

Advance Paper Box Co., 2722 Wash., St. Louis, Mo.
See adv index at end of book
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
See adv index at end of book
Cook H. C. Co., 29H Beaver, Ansonia, Conn.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Hendricks J. J., 156 2nd, San Francisco, Cal.
Littleford Bros. (Storage), 444 E. Pearl, Cincinnati, O.
See adv index at end of book
Metal Package Corp. of N. Y., 110 E 42nd, New York *See adv index at end of book*
New England Box Co., 104 E 42nd, New York *See adv index at end of book*
RITCHIE, W. C. & CO., 831 W. Van Buren, Chicago, Ill
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
See adv index at end of book
Shuman Frank G. (Fancy Hand & Machine Made), 216 N Clinton, Chicago, Ill.
Waterbury Mfg. Co., Division Chase Companies, Inc., Waterbury, Conn.

1268a— Boxes (Proofing)

Blodgett G. S. Co., Burlington, Vt.
Breese Bros. Co., The, 2943 Reading rd, Cincinnati, O.
See adv index at end of book
Meek Mfg. Co. ("Meek"), Westport, Conn.
Roberts Portable Oven Co., 853 W. North av, Chicago, Ill.

1268b— Boxes (Puff)

Advance Paper Box Co., 2722 Wash., St. Louis, Mo.
See adv index at end of book
Cook H. C. Co., 29H Beaver, Ansonia, Conn.
DU PONT E. I. DE NEMOURS & CO. INC., Pyralin Div. ("Pyralin." See Adv at Celluloid), Arlington, N. J.
See adv index at end of book

1269—Boxes (Railroad Ticket & Cash Receipt)

Boxes (Resistance)

See Rheostats

1269a— *Boxes (Rifle)

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

1270— Boxes (Rural Mail)

See also Boxes, Mail

Alexander Aaron, Newfield, N. Y.
Barth A. H., Sr., Lamar, Mo.
Bettler C. L. & Son, ("Wapello"), Wapello, Ia.
Brickenstein L. B. ("Winston-Salem," "Brickenstein"), Winston-Salem, N. C.
Coulston Brundage & Co., La Harpe, Ill.
Deshler Mail Box Co. ("Deshler"), Deshler, O.
Erickson J. M., Slater, Ia.
Folsom C. G. Mfg. Co. ("Ideal"), South Bend, Ind.
Forney John H. ("Enterprise"), Burlington, Ia.
Gust G. W., Morenci, Mich.
Harper & McIntire Co. ("Har Mac"), Ottumwa, Ia.
Heine Jno F. & Son ("Hooper"), Hooper, Neb.
Heller-Aller Co., Napoleon, O.
Hessler H. E. Co. ("Hessler"), Syracuse, N. Y.
Hopson W. C. Co. ("Standard"), Grand Rapids, Mich.
Hungerford U. T. Brass & Copper Co. ("Star" Copper & Galv'd Iron), 86 Lafayette, New York
Mankoff L. G., Verden, Okla.
Northwestern Mail Box Co. ("Carriers Friend"), 2714 La Salle, St. Louis, Mo.
Ostrander W. R. & Co., 371 B'way, New York
Pacific Stove & Stamping Co., Idaho & Duwanish av, Seattle, Wash.
Peck C. A., Hardware Co. ("Gem," "Jewel"), Berlin, Wis.
Reese & Bro., Rolling Prairie, Ind.
Roesch Geo. E. ("Aurora" Automatic), Aurora, Ill.
Superior Sheet Metal Wks. Co. ("Standard"), 3201H Roosevelt av, Indianapolis, Ind.
Superior Stamping Co., 2nd & Elm, Cincinnati, O.
Swan Geo. B. ("Improved Royal"), Mattoon, Ill.
Tharpe Hardware & Mfg. Co. ("Weather proof"), Monroe, N. C.

1271— Boxes (Safe Deposit)

Barshal Steel Equipment Co., 2031 Euclid av, Cleveland, O.
Baum J. Safe & Lock Co., 617 E Front, Cincinnati, O.
DIEBOLD SAFE & LOCK CO., Canton, O.
See adv index at end of book
Galvanized Products Co., 3410 Lake av, Cleveland, Ohio
Gilbert Walter B. & Co., York, Pa.
Globe-Wernicke Co. (The), 25 Carthage av, Cincinnati, Ohio
See adv index at end of book
Gray Peter & Sons Inc., 286 3rd, Cambridge, Mass.
Gross-Feibel Co., Hillsboro, O.
Hamilton Sheet Metal Co., Hamilton, O.
Herman Safe Co., 216-24 Fremont, San Francisco, Cal.
Herring-Hall-Marvin Safe Co., Hamilton, O.
Portland Wire & Iron Works, 2d & Columbia, Portland, Ore.
Pottsville Foundry & Stove Co., Pottsville, Pa.
Reliable Safe & Lock Co., Covington, Ky.
Safety Deposit Box Co., 18 N. Kendall, Battle Creek, Mich.
Standard Stamping Co., Huntington, W. Va.
Thomas-Peter Co., Canton, O.
Trumbull Safe & Vault Co., 77 W Lake, Chicago, Ill.
Van Dorn Iron Works Co. (The), 2700 F 79th, Cleveland, Ohio
See adv index at end of book
Waterloo Hdw. Co., Waterloo, Ia.

1271a—Boxes (Safety Razor)

Advance Paper Box Co., 2722 Wash., St. Louis, Mo. *See adv index at end of book*
Bogert & Hopper, Inc. (Polished Wood), 57 Barclay, New York
See adv index at end of book
DU PONT E. I. DE NEMOURS & CO. INC., Poughkeepsie Plant (Pyralin), Poughkeepsie, N. Y.
See adv index at end of book
Estes E. B. & Sons (Wood, Polished), 364 5th av, New York *See adv index at end of book*
Farrington Mfg. Co., Bartlett sq, Jamaica Plain Sta., Boston 30, Mass.
Metal Package Corp. of N. Y., 110 E 42nd, New York *See adv index at end of book*
New England Box Co., 104 E 42nd, New York *See adv index at end of book*
Peterson, F. W., Co., 113 Greene, New York
Vt. Box Co. (Woodwork for covering), Dept. H, Bristol, Vt.

1272—Boxes (Salt, Spice, Etc.)

Arcade Mfg. Co. (Wood), Freeport, Ill.
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
See adv index at end of book
Chapman-Sargent Co. (Wooden), Piqua, O.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Lalance & Grosjean Mfg. Co. (Enameled Iron), 299 B'way, New York
Metal Package Corp. of N. Y., 110 E 42nd, New York *See adv index at end of book*
New England Box Co., 104 E 42nd, New York *See adv index at end of book*
St. Louis Paper Can & Tube Corporation, St. Louis, Mo.

1272a— Boxes (Salve)

Fidelity Can Co., 600H S. Caroline, Baltimore, Md.
Metal Package Corp. of N. Y., 110 E 42nd, New York *See adv index at end of book*

1273— Boxes (Sand)

See also Locomotive Sanders

Breese Bros. Co., The, 2349 Reading Road, Cincinnati, O.
See adv index at end of book
Brill J. G. Co. ("Dumpit"), 62d & Woodland av, Philadelphia, Pa.
Cleveland Fare Box Co. ("Cleveland"), 4900 Lexington av, Cleveland, O.

Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.
Dayton Mfg. Co. ("Simmons-Moore"), Dayton, O.
Electric Service Supplies Co. ("Keystone" Vacuum), 17th & Cambria, Philadelphia, Pa.
Hamilton Wm. Sons Car Co., Newark, O.
Holland Trolley Supply Co. ("Nichols-Lintern"), 1623 E 43d, Cleveland, O.
Nichols Lintern Co., 8404 Lorain av, Cleveland, O.
Ridlon Frank Co. ("Kilbourn"), 251A, Boston, Mass.
Trojan Button Fastener Co. ("Ham"), Troy, N. Y.

1274— Boxes (Scale)

Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Kilbourne & Jacobs Mfg. Co. (Steel), Columbus, O.
Lebanon Drop Forging Co., Lebanon, Pa.
Ohio Ceramic Engineering Co. ("Lakewood"), Berea rd, Cleveland, O.
Stuebner G. L. Iron Works (Steel), Queensboro Terminal, Long Island City, N. Y.

1275— Boxes (Seamless Tin)

AMERICAN CAN CO., 120 B'way, New York *See adv index at end of book*
Buckeye Stamping Co., Columbus, O.
Clark J. L. Mfg. Co., Rockford, Ill.
Fidelity Can Co., 600H S. Caroline, Baltimore, Md.
McAleer E. J. & Co. ("Champion & Peerless" grub), 1422 N. 8th, Phila., Pa.
Metal Package Corp. of N. Y., 110 E 42nd, New York *See adv index at end of book*
Rumrill & Co., 52 Purchase, Boston, Mass.

Boxes (Service)

See Boxes, Valve & Service

1276— Boxes (Shafting)

See also Power Transmitting Machinery
Allis-Chalmers Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
Badger Gas & Gasoline Engine Co., Kansas City, Kans.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Brown A. & F. Co., 79 Barclay, New York.
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Chain Belt Co., 746 Park, Milwaukee, Wis *See adv index at end of book*
Cresson-Morris Co., Allegheny & 18th, Phila, Pa.
Dodge Mfg. Corp., Mishawaka, Ind.
Falls Clutch & Machy. Co., Cuyahoga Falls, O.
Great Western Mfg. Co., Leavenworth, Kans.
Hanson Clutch & Machinery Co., Tiffin, O.
Hill Clutch Machine & Foundry Co., W 65th, Cleveland, O.
Hunt Rodney Machine Co., Orange, Mass.
Hyatt Roller Bearing Co. ("Hyatt," Roller Bearing), Harrison, N. J.
Jeffrey Mfg. Co., 961 N. 4th, Columbus, O. *See adv index at end of book*
Jones W. A. Foundry & Machine Co., 4442 W Roosevelt av, Chicago, Ill. *See adv index at end of book*
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
Union Iron Works Co., 20th & Michigan, San Francisco, Cal.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Wolf Co., Chambersburg, Pa.
Wood's T. B. Sons Co., Chambersburg, Pa.

1277—Boxes (Shelf Hardware)

Advance Paper Box Co. (Wood Pasteboard), 2722 Wash., St. Louis, Mo. *See adv index at end of book*
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*
Green A. H. Co. (Interchangeable Lock corner), 103 Park av, New York
Heller W. C. & Co. (Varnished Oak Fronts), Montpelier, O.
Moore Chas. P. ("Perfect"), Ravenswood, W. Va.
Sheip Hy. H. Mfg. Co., Columbia av & 6th, Phila., Pa.

Boxes (Shop, Steel)

See Boxes, Tote, Sheet Steel

1277a—Boxes (Sliding Cover)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Breese Bros. Co., The, 2349 Reading Road, Cincinnati, O. *See adv index at end of book*
Estes E. B. & Sons (Wood), 364 5th av, New York *See adv index at end of book*
Stiles, H. A., & Co. (Wood), 166-174 Portland, Boston, Mass. *See adv index at end of book*

1278— Boxes (Soap)

Advance Paper Box Co., 2722 Wash., St. Louis, Mo. *See adv index at end of book*
Celluloid Co., 36 Washington pl, New York
DU PONT E. I. DE NEMOURS & CO., INC., Pyralin Div. ("Pyralin," see Adv. at Celluloid), Arlington, N. J. *See adv index at end of book*
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Metal Package Corp. of N. Y., 110 E 42nd, New York *See adv index at end of book*
Schimper William & Co., 322-338 Ferry, Hoboken, N. J.
Waterbury Mfg. Co., Division Chase Companies, Inc., Waterbury, Conn.

1279—Boxes (Spark Coil, Waterproof)

Churchill Cabinet Co., 2119 Churchill, Chicago, Ill.
New England Box Co., 104 E 42nd, New York *See adv index at end of book*
Standard Cabinet Mfg. Co., Peru, Ind.
Union Hardware Co., Torrington, Conn.
West F. M. Box Co., 121 Lowell av, Springfield, Mass.

1280— *Boxes (Sprue)

New England Box Co., 104 E 42nd, New York *See adv index at end of book*
OHIO MFG. CO., P. O. Box 146 Painesville, O. *See adv index at end of book*
Sterling Wheelbarrow Co. ("Sterling"), Milwaukee, Wis. *See adv index at end of book*

1281—*Boxes (Stacking Steel)

ALL-STEEL-EQUIPT. CO., Aurora, Ill. *See adv index at end of book*
Breese Bros. Co., The, 2349 Reading Road, Cincinnati, O. *See adv index at end of book*
OHIO MFG. CO., P. O. Box 146, Painesville, O. *See adv index at end of book*

1282— *Boxes (Starch)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
New England Box Co., 104 E 42nd, New York *See adv index at end of book*

Boxes (Starting)

See Rheostats

1283— Boxes (Sterilizers)

INTERNATIONAL NICKEL COMPANY, THE ("Monel Metal"), 67 Wall st, New York. (See insert under Monel Metal) *See adv index at end of book*
Sholes, Inc. (Monel Metal), 186 Lafayette, New York

1284— *Boxes (Stock, Steel)

Breese Bros. Co., The, 2349 Reading Road, Cincinnati, O. *See adv index at end of book*
Central Metal Products Co. ("C. M. P."), Canton, Ohio
Ohio Mfg. Co., P. O. Box 146, Painesville, Ohio *See adv index at end of book*

Boxes (Stoneware)

See Stoneware, Chemical

1285— Boxes (Stuffing)

Bradford Motor Wks., Bradford, Pa.
Buckeye Iron & Brass Works, 322 East 3rd, Dayton, Ohio *See adv index at end of book*
Buckeye Iron & Brass Works, Dayton, O.
Cincinnati Rubber Mfg. Co. (Rings), Norwood, Cincinnati, O. *See adv index at end of book*
D. & B. Pump & Supply Co., 301 W av 26, Los Angeles, Cal.
Hill Clutch Machine & Foundry Co., W 65th, Cleveland, O.
Laughlin Thos. Co. ("Champion" "Gland" "Inside" "Samson" "Standard" "Threaded"), 135 Fore, Portland, Me. *See adv index at end of book*
McDonald A. Y. Mfg. Co., Dubuque, Ia.
Monarch Valve Co. ("Monarch"), 112 Front, Brooklyn, N. Y.
Pacific Oil Tool Co. ("P. O. T." Oil Well), 1928 E 7th, Los Angeles, Cal.
Richardson, Edro Brass Co. (Brass), 318 N Holliday, Baltimore, Md.
Upson-Walton Co., The, ("No-bind") (Marine), 1294 W 11th, Cleveland, O.
Wilcox, Crittenden & Co., Inc. (Bronze), 444 S Main, Middletown, Conn. *See adv index at end of book*
Wilkinson W. H. Co., Inc., West Medway, Mass.

1286— Boxes (Switch)

Adam Frank Electric Co., 3650 Windsor, St. Louis, Mo.
Adams-Holland Electric Co., Revere, Mass.
Adapti Mfg. Co. ("Adapti"), 2990 E 72nd, Cleveland, O.
Advance Electric & Mfg. Co., 1302 W 9th, Kansas City, Mo.
Appleton Electric Co. ("Appleton"), Wellington & Paulina, Chicago, Ill.
Bonnell W. A. Co., 192 Chambers, New York, N. Y.
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O. *See adv index at end of book*
Burns Jas. F., 713 Cherry, Phila., Pa.
Cavin F. T., 400 West av 26, Los Angeles, Cal.
Chelten Electric Co., Stenton & Rockland, Philadelphia, Pa.
Chicago Fuse Mfg. Co. ("Gem" & "Union"), Laflin & 15th, Chicago, Ill. *See adv index at end of book*
Chicago Railway Signal & Supply Co., 122H S Michigan av, Chicago, Ill.
Coast Specialty Co., 72 E 6th, Portland, Ore.
Colgan W. H. Co. ("Rex"), West Newton, Mass.
Columbia Metal Box Co., 226 E 144th, New York
Consolidated Car Heating Co., Dept. H, Albany, N. Y.
Continental Fibre Co. ("Makelite-Dilecto" Moving Picture Camera), Newark, Del.
Cutter Electrical & Mfg. Co. ("Munit"), 19th & Hamilton, Phila., Pa.
Drendell Electrical & Mfg. Co. ("Demco"), 1345 Howard, San Francisco, Cal.
East Pico Sheet Metal Mfg. Co., 715 E Pico, Los Angeles, Cal.
ECONOMY FUSE & MFG. CO. ("Economy"), Greenview av at Diversey parkway, Chicago, Ill. *See adv index at end of book*
Electrical Porcelain Works ("Porcelain-Minute"), 2416 6th, Berkeley, Cal.
Federal Steel Products Co., 2 Av L, Newark, N. J.
Fouch Elec. Mfg. Co., 105 N 9th, Portland, Ore.
Frederick-Elder Co., Bridgeville, Pa.
Freeman E. H. Electric Co., Trenton, N. J.
Globe Sheet Metal Mfg. Co., 854 Howard, San Francisco, Cal.
Goettmann O. J. (Steel), 525 Ohio N. S., Pittsburgh, Pa.
Hall Switch & Signal Co. (for R.R. Signal System), Garwood, N. J.
Hart & Hegeman Mfg. Co. ("H. & H." & "Lemanquais"), 342 Capital av, Hartford, Conn.
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Holabird-Reynolds Elec. Co., Los Angeles, Cal.
Holzer R. G. (Est. of), New Orleans, La.
Lindholm Metal Stamping Co., 107 Erie, Camden, N. J.
MacMillan John W., 201 N Los Angeles, Los Angeles, Cal.
Mansfield Electric Hardware Co., Mansfield, Ohio
Mesa Fernando C. Co., Dept. H, Colt & Chancellor av, Irvington, N. J.
Meyers Safety Switch Co., 419 Tehama, San Francisco, Cal.
Multi Electrical Mfg. Co. (& Service) ("Multi"), 1848 W 14th, Chicago, Ill.
National Metal Molding Co. ("National" Solid), 1110 Fulton bldg, Pittsburgh, Pa.
Nottingham Wm., N 204 W Brighton, Syracuse, N. Y.
Ostrander W. R. & Co., 371 B'way, New York
Palmer Electric & Mfg. Co., 60 K, Boston, Mass.
Pringle Electrical Mfg. Co., 1906 N 6th, Phila., Pa.
Railroad Supply Co., 203 S. Dearborn, Chicago, Ill.
Renim Specialty Co. ("Renim" for Use with Flexible Metallic & Non-Metallic Conduit, etc), Brighton, Boston, Mass.
Safety Electric Products Co., 1548 Central av, Los Angeles, Cal.
Standard Sheet Metal Corp., 702-4R, Fresno, Cal.
Standard Sheet Metal Works, Washington, Pa.
Steel City Electric Co. ("Steel City"), 1207 Columbus av, Pittsburgh, Pa.
Stirrup Mfg. Co., Inc., Market, Newark, N. J.
Tanner Wm. F. & Co. (Steel, 511 S. Sharp, Baltimore, Md.
Taylor & Boggis Foundry Co., Cleveland, O.
Thomas & Betts Co, 63 Vesey, New York
Toledo Metal Products Co., Spitzer bldg, Toledo, Ohio
Trumbull Elec. Mfg. Co., Plainville, Conn.
V. V. Fittings Co. (Push Buttons, etc), 711 Cherry, Philadelphia, Pa.
Waterbury Button Corp., 831 South Main, Waterbury, Conn. *See adv index at end of book*
Western Safety Mfg. Co., Inc. ("Westest"), 247 Minna, San Francisco, Cal.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa. *See adv index at end of book*
Wharton Wm. Jr. & Co. Inc., Easton, Pa.
Yager Sheet Metal Co. (Underwriters Label), 3509 Chestnut, Oakland, Cal.

1286a— *Boxes (Syringe)

Advance Paper Box Co., 2722 Wash., St. Louis, Mo. *See adv index at end of book*
BOGERT & HOPPER, INC. (Wooden), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
New England Box Co., 104 E 42nd, New York *See adv index at end of book*

1287— Boxes (Tackle)

Merriam Mfg. Co. ("Johnson," Trayless), Durham, Conn.
Standard Stamping Co., Huntington, W Va.
Stirrup Mfg. Co., Inc., Market, Newark, N. J.
Wright Bros. Paper Box Co., Fond du Lac, Wis.

1288— Boxes (Take Up)

Bond Foundry & Machine Co., Manheim, Pa.
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Diamond Iron Works, 2nd & 18th av, N Minneapolis, Minn.
Dodge Mfg. Corp., Mishawaka, Ind.
Great Western Mfg. Co., Leavenworth, Kan.
Hill Clutch Machine & Foundry Co., W 65th, Cleveland, O.
Howe Chain Co., Dept. H, Muskegon, Mich.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Mobile Stove & Pulley Mfg. Co., Mobile, Ala.
Montgomery Coal Washing & Mfg. Co., Birmingham, Ala.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Strait H. N. Mfg. Co., Kansas City, Kan.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Wolf Co., Chambersburg, Pa.

1288a—Boxes (Talcum Powder)

Metal Package Corp. of N. Y., 110 E 42nd, New York *See adv index at end of book*
Ritchie, W. C. & Co., 831 W. Van Buren, Chicago, Ill.
Waterbury Mfg. Co., Division Chase Companies, Inc., Waterbury, Conn.

1289-90-4— *Boxes (Taper Steel)

All-Steel-Equipt. Co., Aurora, Ill.
See adv index at end of book
OHIO MFG. CO., P. O. Box 146, Painesville, O. *See adv index at end of book*

1295— Boxes (Tobacco)

Cheshire J. & Son, Martinsville, Va.
Fidelity Can Co., 600-H S. Caroline, Baltimore, Md.
Metal Package Corp. of N. Y., 110 E 42nd, New York *See adv index at end of book*
Runyon Bros., Eaton, O.
Vance E. J. Box Co., Ltd., Bay City, Mich.
Wolfram H. A. Inc., 16H 21st, Watervliet, N. Y.

1295a— Boxes (Tool)

Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
See adv index at end of book
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Buhrke R. H. Co. (Portable & Metal), 1250H Fullerton av, Chicago, Ill.
Burt Mfg. Co. (Sheet Metal), 40 Main, Akron, O. *See adv index at end of book*
Central States Steel Equipment Co. ("Better-Bilt" & "Central States"), Center & Allen, Joliet, Ill.
Commercial Shearing & Stamping Co., Youngstown, Ohio
Estes E. B. & Sons (Wood), 364 5th av, New York
See adv index at end of book
Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cincinnati, O.
Merz G. & Co., 112 W. Superior, Chicago, Ill.
Metal Products Corp., 49 Chestnut, Weehawken, N. J.
Mullins Body Corp., Dept. H, Salem, Ohio
New England Box Co., 104 E 42nd, New York *See adv index at end of book*
Nicoll & Co., 190-198 Hooper, San Francisco, Cal.
Niles Steel Products Co., Niles, Ohio
See adv index at end of book
Spence H. M. (Sheet Iron), Parkersburg, W. Va.
Stanley Rule & Level Plant, New Britain, Conn.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book

TURNED WOODEN BOXES
for Druggists and Chemists
PLAIN AND POLISHED TURNED WOOD VIALS AND BOTTLES, POWDER BOXES, PLAIN AND SILICATED WOODEN OINTMENT JARS, SCREW COVERED BOXES A SPECIALTY
Mfd. by E. B. ESTES & SONS, 364 Fifth Avenue, NEW YORK
"World's Largest Woodturners." **Estab. 1847**

1296—Boxes (Tool, Motorcycle)

Geuder Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
McKinney Jas. & Son, Albany, N. Y.

1297— Boxes (Tool, Steel)

See also Steel Factory Equipment
ALL-STEEL-EQUIPT. CO., Aurora, Ill.
See adv index at end of book
ASSOCIATED WELL SUPPLY CO., INC., 111 Broad, New York
See adv index at end of book
Berks Engineering Co. (Trays), Reading, Pa.
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Canton Art Metal Co., Canton, O.
Central Metal Products Corp., Canton, O.
Du Pont E. I. de Nemours & Co. Inc. (Pyralin Division), Wilmington, Del.
See adv index at end of book
Gray Peter & Sons Inc., 286 Third, Cambridge, Mass.
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Messenger & Parks Mfg. Co., Aurora, Ill.
Mills Co. (The), ("Factrequipment"), 5322 St. Clair av, Cleveland, O.
See adv index at end of book
Ohio Mfg. Co., P. O. Box 146, Painesville, O. *See adv index at end of book*
York Heating & Ventilating Corp., Mill, Bridgeport, Conn.
Youngstown Pressed Steel Co., Warren, Ohio *See adv index at end of book*

1298-9—Boxes (Tote, Sheet Steel)

ALL-STEEL-EQUIPT. CO., Aurora, Ill.
See adv index at end of book
Art Metal Construction Co., Jamestown, N. Y.
Aurora Steel Products Co., Aurora, Ill.
Berger Mfg. Co., 1038 Belden av, N-E, Canton, O.
Bernstein Mfg. Co., 3rd & Allegheny, Phila., Pa.
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Burt Mfg. Co., 40 Main, Akron, O.
See adv index at end of book
Canton Art Metal Co., 920 Market av S, Canton, O.
Central Metal Products Corp., Canton, O.
Central States Steel Equipment Co. ("Better-Bilt" & "Central States"), Center & Allen, Joliet, Ill.
Cleveland Wire Spring Co., 1281 E. 38th, Cleveland, O.
Defiance Pressed Steel Co., Defiance, O.
Dexter Metal Mfg. Co, 93 Arch, Camden, N. J.
EDWARDS MFG. CO., Cincinnati, O.
See adv index at end of book
Gem Stamped Steel Co., Chelsea, Mass.
GEUDER PAESCHKE & FREY CO., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.
Gray Peter & Sons Inc., 286 Third, Cambridge, Mass.
Hart & Hutchinson Co. ("H. & H."), Corbin av, New Britain, Conn.
Hauserman E. F. Co., Fenestra bldg, Cleveland, O.
Heller P. A. & Sons, 213 State, Detroit, Mich.
Heller W. C. & Co. (For Dies, Bolts, Nuts, Screws, etc), Montpelier, O.
Heltzel Steel Form & Iron Co., Warren, O.
Kilbourne & Jacobs Mfg. Co., Columbus, Ohio
Kirk & Blum Mfg. Co., 2850 Spring Groeve av, Cincinnati, O.
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Kraft A. C., 323 W Lake, Chicago, Ill.
Littleford Bros., 444 E Pearl, Cincinnati, O. *See adv index at end of book*
Lyon Metallic Mfg. Co. ("Lyon"), Aurora, Ill.
Manufacturing Equipment & Engineering Co., Framingham, Mass.
Marshall Blow Pipe Co., 7431 Dubois, Detroit, Mich.
Messenger & Parks Mfg. Co., Aurora, Ill.
Mills Co. (The), ("Factrequipment"), 5322 St. Clair av, Cleveland, Ohio
See adv index at end of book
Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, O.
See adv index at end of book
New Britain Machine Co. ("New Britain"), 190 Chestnut, New Britain, Conn.
OHIO MFG. CO., P. O. Box 146, Painesville, O.
See adv index at end of book
Rochester Can Co., 89 Hague, Rochester, N. Y.
Smith A. L. Iron Wks., Chelsea, Mass.
Standard Steel Equipment Co. ("Standard"), 82nd & Tinicain, Phila, Pa.
Sterling Wheelbarrow Co., Milwaukee, Wis.
See adv index at end of book
Van Dorn Iron Works. (The), 2700 E 79th, Cleveland, Ohio
See adv index at end of book
Wall P. Mfg. Supply Co., 705 Preble av, N S, Pittsburgh, Pa.
Wilson Andrew Co., 616 Essex, Lawrence, Mass.

1300— Boxes (Turned Wood)

See also Boxes, Lock Corner; also Wood Novelties, Turned
American Woodworking Co., 106 Reade, New York
BOGERT & HOPPER, INC. (Bluing, Druggists, Face Powder, Pencil, Screw Cover, Tool, Extract, etc), 57 Barclay, New York
See adv index at end of book
Cal. Novelty Wooden Box Co., 3552 18th, San Francisco, Cal.
Capital Box Factory, Sacramento, Cal.
ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*
Forrest City Box Co., Forest City, Arkansas
Nicoll & Co., 190-198 Hooper, San Francisco, Cal.
Peterson, F. W., Co., 113 Greene, New York
Redwood Novelty Co., 976 12th, Oakland, Cal.
Schutz Bros., 152 Chambers, New York
Sheip H. H. Mfg. Co., 6th & Columbia av, Phila., Pa.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Stratton Mfg. Co., Stratton, Me.
Western Box Co., 326 River, Chicago, Ill.

1301— Boxes (Twine)

Grey Iron Casting Co. (Ball Twine), Mt. Joy, Pa.
Landers, Frary & Clark, New Britain, Conn.
Nicol & Co. ("Nicol's," Hanging, Beehive, etc), 218 N Jefferson, Chicago, Ill.
Sargent & Co., New Haven, Conn.
Williams A. C. Co., Ravenna, O.

1302—Boxes (Valve & Service)

Alabama Pipe & Fdry. Co., Anniston, Ala.
American Foundry & Mfg. Co., 11th & Herbert, St. Louis, Mo.
Anniston Foundry Co., Anniston, Ala.
Bourbon Copper & Brass Works (Extension Valve Only, etc.), Cincinnati, O.
Bowsher N. P. Co. ("Abbott" Service Stop Box), South Bend, Ind.
Builders' Iron Foundry ("Stacy" Extension Service, "Chadbourne" Service), 9 Codding, Providence, R. I.
Canton Foundry & Machine Co. (Adjustable), Canton, O.
See adv index at end of book
Casey-Hedges Co., Chattanooga, Tenn.
Central Foundry Co. ("Buffalo" & "Phoenix" Pattern), 41 E. 42nd, New York.
Clark H. W. Co., Mattoon, Ill.
Clow Jas. B. & Sons, Franklin & Harrison, Chicago, Ill.
Columbian Iron Works ("Columbian"), 811 Boyce, Chattanooga, Tenn.
Cutter Geo. Co. ("Cutter's" Steel Service), South Bend, Ind.
Darling Valve & Mfg. Co. (Ltd.), (Extension Valve), Williamsport, Pa.
Franklin Railway Supply Co., Inc., 17 E 42nd, New York
Glenn Mfg. Co., St. Charles, Ill.
Guilderland Foundry Co. ("G. F. Co.," Cast Iron Cut Service Boxes), Guilderland, N. Y.
HAYS MFG. CO. (Service), Erie, Pa.
See adv index at end of book
Iowa Valve Co., Oskaloosa, Ia.
Kennedy Valve Mfg. Co. (Extension Valve), Elmira, N. Y.
See adv index at end of book

Wood Shipping Boxes of All Sorts

PIONEER (wirebound) veneer shooks, nailed boxes, crates and crating lumber, bottle boxes, poultry crates and boxes, egg cases, three way corner, lock corner, furniture core stock, automobile parts and other wood specialties.

GENERAL BOX COMPANY

DEPARTMENT P

PIONEER Wire Bound Boxes "Deliver the Goods" TRADE MARK REG. U. S. PAT. OFF

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Sixteen Plants—Ship Anywhere East of Rockies

PIONEER Wire Bound Boxes "Deliver the Goods" TRADE MARK REG. U. S. PAT. OFF

Jarecki Mfg. Co. ("Jarecki," "Erie," etc.), Ludlow Valve Mfg. Co. (Adjustable Valve), ft. of Adams, Troy, N. Y.
Modern Iron Works ("Buffalo," "Modern," "Quin-See," "M. I. W." Adjustable Service), Quincy, Ill.
Mueller Co., Decatur, Ill.
Pratt & Cady Co. ("P. & C."), Hartford, Conn.
Rensselaer Valve Co. (Valve only), Dept. H, Troy, N. Y.
Sanitary Co. (Iron Extension), Dept. H, Linfield, Pa.
South Park Fdry. & Mach. Co., St. Paul, Minn.
Taylor W. P. Co., Ellicott sq, Buffalo, N Y
Union Foundry Co., Fitchburg, Mass.
Walworth Mfg. Co., 82-H Pearl, Boston, Mass.
Wood R. D. & Co. (Adjustable), 400 Chestnut, Philadelphia, Pa.

1302a— *Boxes (Veneer)

Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
New England Box Co., 104 E 42nd, New York *See adv index at end of book*

1303— Boxes (Vent)

Gray Iron Foundry Co. (Cast Iron 6" Square), Reading, Pa.

1304— Boxes (Wagon)

Anderson Co., 2324 University av, St. Paul, Minn.
Herschel R. Mfg. Co., Peoria, Ill.
Pekin Wagon Co., Pekin, Ill.
Standard Mfg. Co. (For Farm Use), Council Bluffs, Ia.
Turnbull Motor Truck & Wagon Co., Defiance, O.

1305— Boxes (Wall)

Brown A. & F. Co., 79 Barclay, New York
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Clark W. J. Co., Salem, O.
Cresson-Morris Co., Allegheny & 18th, Philadelphia, Pa.
Dodge Mfg. Corp., Mishawaka, Ind.
Duplex Hanger Co. ("Duplex"), E 53d & Lakeside av, Cleveland, O.
Ernsdorff John Iron Co. (For Farm Use), Dubuque, Ia.
Hill Clutch Machine & Foundry Co., W 65th, Cleveland, O.
Ideal Hanger Co., Cleveland, O.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
Lanz M. Bolt Co. (Steel), 2907H Carson, Pittsburgh, Pa.
Link-Belt Company, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Medart Company The, 3600 De Kalb, St. Louis, Mo. *See adv index at end of book*
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Van Dorn Iron Works Co., 2700 E 79th, Cleveland, O.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Wood's, T. B., Sons Co., Chambersburg, Pa.

1306— Boxes (Waste)

See also Cans, Waste

AMERICAN CAN CO., 120 Broadway, New York *See adv index at end of book*
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Bernstein Mfg. Co., 3rd & Allegheny, Phila., Pa.
Clark W. J. Co., Salem, O.
Cleveland Wire Spring Co., (Oily Waste, Sheet Metal), 1281 E. 38th, Cleveland, Ohio
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Ely & Williams Co. (Individual), 257 B'way, New York
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Gray Peter & Sons Inc, 286 Third, Cambridge, Mass.
Koven L. O. & Bro. (Iron), 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Kraft A. C., 323 W Lake, Chicago, Ill.
Metal Package Corp. of N. Y., 509 5th av, New York
See adv index at end of book
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book

1307— *Boxes (Watch)

Estes E. B. & Sons (Wood), 364 5th av, New York *See adv index at end of book*
New England Box Co., 104 E 42nd, New York *See adv index at end of book*

1308—Boxes (Weigh, for Coal Tipples)

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

1309— Boxes (Wire Bound)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
Andrews O. B. Co., Roosevelt av & Belt R. ry, Chattanooga, Tenn.
Central Box & Lumber Co., 2339 Blanding av, Alameda, Cal.
Chicago Mill & Lumber Co., 500 N Dearborn, Chicago, Ill.
Cincinnati Wire Bound Box Co., Carthage Pike & Big 4 R. R. St. B., Cincinnati, O.
Conneaut Can Co. ("Conneaut"), Conneaut, O.
Defiance Box Co., Defiance, O.
Detroit Wire Bound Box Co., 4703 18th, Detroit, Mich.
Embry Box Co. ("4-One"), 16th & Maple, Louisville, Ky.
Four-In-One Box Makers Inc., Hattiesburg, Miss.
GENERAL BOX CO. ("Pioneer"), Dept. P, 500 N Dearborn, Chicago, Ill.
See adv index at end of book
Indianapolis Wire Bound Box Co., 1300 Bucher, Indianapolis, Ind.
New England Box Co., 104 E 42nd, New York *See adv index at end of book*
Pacific Wirebound Box Co., 2665 Jones, San Francisco, Cal.
Plymouth Mfg. Co. ("Fassmacht" Sectional Packing), Plymouth, Ind.
Richards Shook Corp., 23 W 44th, New York
Sedro Box & Veneer Co., Sedro Woolley, Wash.
Southern Box & Lumber Co., Savannah, Ga.
Woodstock Mfg. Co., Charleston, S. C.

1309a— Boxes (Wood)

Anderson Box & Basket Co. (Lanudry Shipping), Henderson, Ky.
Andrews O. B. Co., Roosevelt av & Belt R. ry, Chattanooga, Tenn.
Annett Box Co. ("Antex" Butter, Date, etc.), East Jaffrey, N. H.
Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Buhrke R. H. Co. (For Instruments, Meters, etc.), 1250H Fullerton av, Chicago, Ill.
Churchill Cabinet Co., 2119 Churchill, Chicago, Ill.
Davis Henry D. Lumber Co., Northwest Bank bldg, Portland, Ore.
Dunning, J. H., Corp., 53 Park pl, New York
Earle J. M. Lbr Co., 1159 Wabash, Detroit, Mich.
Embry Box Co. 16th & Maple, Louisville, Ky.
Estes E. B. & Sons (Polished, Hinge Cover, Microscope Slide, Screw Cover & Nested, etc.), 364 5th av, New York
See adv index at end of book
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Friedlander Box Co. (New & Second), 1300 W Lake, Chicago, Ill.
GENERAL BOX CO. (Nailed), Dept. P, 500 N Dearborn, Chicago, Ill.
See adv index at end of book
Goodwillie D. M. Co., 1208 W 22nd, Chicago, Ill.
Kugler Geo. W. & Sons, Co., 921H New Market, Phila., Pa.
Lea Lumber Co., Richmond, Va.
Macon Box Co., 6th & Acmulgee, Macon, Ga.
MERCANTILE BOX CO., 318 Market, San Francisco, Cal.
New England Box Co., 104 E 42nd, New York *See adv index at end of book*
Nicoll & Co., 190-198 Hooper, San Francisco, Cal.
Norman Lumber Co., Louisville, Ky.
Planters Mfg. Co., Portsmouth, Va.
RICHARDS SHOOK CORP., 23 W 44th, New York

BOX SHOOKS
and
NAILED-UP BOXES
Car lots
THE RICHARDS SHOOK CORP.
23 W. 44th St. New York City

Rittler Box Co., 609 S. Caroline, Baltimore, Md.
Rome Box & Lumber Co., Dept. H, Rome, N. Y.
Standard Cabinet Mfg Co., Peru, Ind.
Stanley & Patterson, 23 Murray, New York
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Thomas T. R. (Tap & Die), Dept. H, Bristol, Vt.
United Box Co., 2329 Blanding av, Alameda, Cal.
United Folding Crate & Box Co., Addison, N. Y.
Vt. Box Co. (Tap or Die), Dept. H, Bristol, Vt.
West F. M. Box Co., 121 Lowell av, Springfield, Mass.
West Virginia Lumber Co., First National Bank bldg, Pittsburgh, Pa.
Woodstock Mfg. Co., Charleston, S. C.

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Manufacturers of Lock Cornered
Eastern White Pine and Basswood



Packing & Mailing Boxes



Also Finished Hardwood Boxes, Fine Printing a Specialty

1309b— Boxes (Wooden Packing)

BOGERT & HOPPER, INC., 57 Barclay, New York *See adv index at end of book*
Dietz Fred Co., 1102 Madison av, Indianapolis, Ind.
Eclipse Box & Lumber Co., 425 Greenpoint av, Brooklyn, N. Y.
ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
New England Box Co., 104 East 42nd, New York *See adv index at end of book*
Rittler Box Co., 609 S Caroline, Baltimore, Md.
Rome Box & Lumber Co., Dept. H, Rome, N. Y.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Woodstock Mfg. Co., Charleston, S. C.

1310— Boxes (Zinc)

HAMMOND IRON WORKS, Warren, Pa. *See adv index at end of book*
National Tank & Pipe Co., 170 Columbia blvd, Portland, Ore. *See adv index at end of book*
Pacific Tank & Pipe Co., 318 Market, San Francisco, Cal.

1311—Boxes & Cans (Litho Metal)

See also Cans, Tin

AMERICAN CAN CO., 120 Broadway, New York *See adv index at end of book*
BAKER EDW. J. & CO., 608 Otis bldg, Chicago, Ill.
Buckeye Stamping Co., Columbus, O.
Buffalo Can Co., 60 Union, Buffalo, N. Y.
Burdick & Son, Albany, N. Y.
Burrows Metal Mfg. Co., 572 Greenwich, New York
Clark J. L. Mfg. Co., Rockford, Ill.
Colonial Can Co., 120 Milk, Boston, Mass.
Columbia Specialty Co., 1508 E Fayette, Baltimore, Md.
Conneaut Can Co., Conneaut, O.
Continental Can Co., 1016 E. Water, Syracuse, N. Y.
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Gotham Can Co., 60 Eagle, Brooklyn, N. Y.
Heekin Can Co., 6th, New & Culvert, Cincinnati, O.
Hudson H. L. Co., 56 Pearl, Brooklyn, N. Y.
Johnson-Morse Can Co., Wheeling, W. Va.
Le Comte & Co., Wolcott, Brooklyn, N. Y.
Metal Package Corp. of N. Y., 110 E 42nd, New York *See adv index at end of book*
National Can Corporation, Detroit, Mich.
New Can Co., 326 A, Boston, Mass.
New Orleans Roofing & Metal Co. ("Nola"), Cortez & Orleans, New Orleans, La.
Passaic Metal Ware Co., Passaic, N. J.
Peoria Can Co. (Combination Bread & Cake, Round Sugar Boxes, Flour, etc.), Peoria, Ill.
Republic Structural Iron Wks. Division, 1350H, E 53rd, Cleveland, O.
Ritter P. J. Conserve Co., 2156 E. Dauphin, Phila., Pa.
St. Louis Paper Can & Tube Corp'n., St. Louis, Mo.
St. Louis Tin & Sheet Metal Working Co., (Boxes Only), 217 S 6th, St. Louis, Mo.
Southern Can Co. (Cans Only), 717 S Wolfe, Baltimore, Md.
Stuber & Kuck Co., Peoria, Ill.
Tin Decorating Co., Boston & Linwood av, Baltimore, Md.
U. S. Can Co., 2510 Highland av, Norwood, Cincinnati, O.
Western Can Co., 180 Townsend, San Francisco, Cal.

Braces (Alley-Arm)

See Braces (Cross-Arm)

1312— Braces (Back)

Lanz, M. Bolt Co. (For Telephone Poles), 2907H Carson, Pittsburgh, Pa.

Braces (Corner)

See Irons & Braces (Corner)

1313— Braces (Cross Arm)

See also Cross Arms, Brackets, etc., Steel

Aetna Nut Co., Southington, Conn.
Allegheny Steel Co., Oliver bldg, Pittsburgh, Pa.
Bethlehem Steel Co., So Bethlehem, Pa.
Bissell F. Co. ("Security"), Toledo, O.
Creaghead Engineering Co., 340 Main, Cincinnati, O.
Galvanized Products Co., Phillipsburg, N. J.
Grabler Mfg. Co., Cleveland, O.
Hallett Iron Works (Angle Iron), Harvey, Ill.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Joslyn Mfg. & Supply Co., Chamber of Comm. bldg, Chicago, Ill.
Kansas City Bolt & Nut Co., Sheffield sta, Kansas City, Mo.
Kortick Falls Mfg. Co., 335 1st, San Francisco, Cal.
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
Line Material Co. (Galvanized), So Milwaukee, Wis.
Meckel Fred L., 11 E 13th, Chicago, Ill.
Metropolitan Device Corp., 1250 Atlantic av, Brooklyn, N. Y.
New England Bolt Co., Inc., Everett, Mass.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Republic Iron & Steel Co., Youngstown, O. *See Branch Offices, Alphabetical Section*
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
Valley Forging Co., Verona, Pa.
Wrought Washer Mfg. Co., Milwaukee, Wis.

1314—Braces (Hand or Stair Rail)

Auer John, Jr. (Wrought), 199 Middletown, Brooklyn, N. Y.
Highton Wm. & Sons Co., Nashua, N. H.

1315— Braces (Partition)

Auer John, Jr. (Wrought), 199 Middleton, Brooklyn, N. Y.

1316— Braces (Rail)

See also Bars, Splice

American Frog & Switch Co., Hamilton, O. *See adv index at end of book*
American Guard Rail Fastener Co. (Pressed Steel & Malleable Iron), Real Estate Trust bldg, Phila., Pa.
Atlas Railway Supply Co., 431 S Dearborn, Chicago, Ill.
Bethlehem Steel Co. ("Acme" Guard), Bethlehem, Pa.
Buda Co., Harvey, Ill.
Central Frog & Switch Co., Cincinnati, O.
Cincinnati Frog & Switch Co., Madison rd & B. & O. r r, Cincinnati, O.
Cleveland Frog & Crossing Co., 6917 Bessemer av, Cleveland, O.
Conley Frog & Switch Co., Memphis, Tenn.
Elliott Frog & Switch Co., 301 S Main, East St. Louis, Ill.
FISHEL & MARKS CO., ft. of Krakow av, Cleveland, Ohio *See adv index at end of book*
Frog Switch & Mfg. Co. (Pressed Steel), Carlisle, Pa.
Indianapolis Switch & Frog Co., Springfield, O.
Industrial Supply & Equipment Co. (Girder & Tee Rail), 4th & Vine, Phila., Pa.
Kilby Frog & Switch Co., Birmingham, Ala.
Morden Frog & Crossing Wks. ("Morden" Adjustable Die Formed Steel), 208 S La Salle, Chicago, Ill.
National Malleable Castings Co., H Quincy, Cleveland, O.
Nelson Iron Works, 45 Spokane av, Seattle, Wash.
New Era Mfg. Co. (Tie Plate, Rail Clamps & Rail Brace Anti-Creeper Combined), Kalamazoo, Mich.
New York Switch & Crossing Co., Hoboken, N. J.
Pettibone, Mulliken & Co. ("Akins" Forged Steel), 140 S Dearborn, Chicago, Ill.
Pidgeon-Thomas Iron Co., Memphis, Tenn.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Q. & C. Co. (Mall, Iron & Pressed Steel), 90 West, New York
Ramapo Iron Works, Hilburn, N. Y.
Republic Iron & Steel Co., Youngstown, O. *See Branch Offices, alphabetical section*
Seattle Frog & Switch Co., Smith bldg, Seattle, Wash.
Signal Accessories Corp. ("Welday"), Utica, N. Y.
Steel Car Forge Co., Frick bldg, Pittsburgh, Pa.
Track Specialties Co., Inc. ("Trasco"), 2-4-6 Morris, New York
Taedegar Co. (Fish Plates), ft. of 5th, Richmond, Va.
Union Drop Forge Co., 358 W Grand av, Chicago, Ill.
Union Spring & Mfg. Co. (Pressed Steel), New Kensington, Pa.
UNION SWITCH & SIGNAL CO. THE, Swissvale, Pa.
WEIR FROG CO., Foreign Dept., 43 Cedar, New York
Weir Frog Co., Cincinnati, O.
Western Steel Car & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.
Wilmington Malleable Iron Works of Eastern Malleable Iron Co., Wilmington, Del.

1317— Braces (Rudder)

Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Malleable Iron Fittings Co. ("M. I. F. Co." Strap & Screw), Branford, Conn.
Reed Geo. A. & Son, Gloucester, Mass.
Wilcox Crittenden & Co. Inc. (Galvanized & Brass), 444 S Main, Middletown, Conn. *See adv index at end of book*

1318-19-20—Braces (Screen Door)

Automatic Door Catch Co. ("Little Giant"), Harvey, Ill.
Champion Hardware Co. ("Champion"), Geneva, Ohio
Grey Iron Casting Co., Mt. Joy, Pa.
Line Material Co., South Milwaukee, Wis.
National Mfg. Co. (Turn-Buckle), Sterling, Ill.
Snyder F. Edw. ("Anti-Sag"), Massillon, O.
Wagner Mfg. Co. ("Wagner"), Cedar Falls, Ia.

1321—Braces (Table Leg & Ladder)

St. Louis Hardware Mfg. Co., 1509 W 18th, St. Louis, Mo.
Walstad Machine Co., 1005 East D., Tacoma, Wash.
Weber-Knapp Co., Jamestown, N. Y.

1322—Braces (Telegraph Pole)

American Shovel & Stamping Co., Lorain, O.

1323—Braces (Trench or Sewer)

Anderson, W. H. Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Channon James H. Mfg. Co. ("Union" Fitting All Iron), 277H W Erie, Chicago, Ill.
Kalamazoo Foundry & Machine Co. (Extensible Trench), 586 E Main, Kalamazoo, Mich.
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Waldo Bros. & Bond Co. ("Safety"), 181 Congress, Boston, Mass.

1324— Brackets (Arc Lamp)

Cutter George Works of Westinghouse Elec. & Mfg. Co. ("Cutters"), South Bend, Ind.
Electric Railway Equipment Co., Cincinnati, O.
Fletcher Mfg. Co., Dayton, O.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Hallett Iron Works ("Hallett"), Harvey, Ill.
Line Material Co., S Milwaukee, Wis.
Lundin Electric & Machine Co., 10 Thatcher, Boston, Mass.
Mott J. L. Iron Works, Trenton, N. J.
Philadelphia Electrical & Mfg. Co. ("Pennco"), 1236 N 31st, Phila., Pa.

1325— Brackets (Bird Cage)

Wickwire Spencer Steel Corp., 41 East 42nd, New York. *See adv index at end of book*

1326—Brackets (Blind Roller)

Grey Iron Casting Co. (For Inside & Outside Blinds), Mt. Joy, Pa.

Brackets (Corner or Screen Door)

See Braces, Screen Door

Brackets, Cross-Arms, Etc.

See Brackets, Trolley Pole; also Cross-Arms, Brackets, Etc.

1327—Brackets (Curtain Pole)

Bay State Stamping Co. ("Bennett" Adjustable), 380 Chandler, Worcester, Mass. *See adv index at end of book*
Judd H. L. Co., 87 Chambers, New York
Mott J. L. Iron Works, Trenton, N. J.
Nelson, N. O., Mfg. Co. (For Bath Tubs), 10th & Chestnut, St. Louis, Mo.
Turner & Seymour Mfg. Co., Torrington, Conn.
Washburn Co. (Wire Goods Div.), 28 Union, Worcester, Mass.

1328—Brackets (Desk Telephone)

Alliance Specialty Mfg. Co., Lakewood, O.
American Electric Co. ("Burns," "Economy," "E-Z"), 6401 E State, Chicago, Ill.
Brass Fixtures Co., Southington, Conn.
Connecticut Tel. & Electric Co., Meriden, Conn.
Cook Electric Co., 2700 Southport, Chicago, Ill.
Eureka Blotter Bath Co. ("Eureka" Extension), 3732 S Wallace, Chicago, Ill.
Fischer Chas. Spring Co. (adjustable), 240 Kent av, Brooklyn, N. Y.
Galesburg Writing Machine Co. ("Adjustaphone"), Galesburg, Ill.
Goodline Mfg. Co., Kent, O.
Holtzer-Cabot Electric Co., 125 Amory, Boston, Mass.
Hunt C. Howard Pen Co. ("Equipoise," "Ad-a-Link"), Camden, N. J.
K. & B. Co. ("Projector" "As-you-like-it-Phonopoise"), 497 N 3rd, Phila., Pa.
Lee Electric Co. ("Davis," "Calvet," Adjustable), 219 N Calvert, Baltimore, Md.
McLeon-Ward & Co. ("Ward"), 27 430 11th av, New York
Manhattan Electrical Supply Co. ("Mesco"), 17 Park pl, New York
Novelty Electric Co., 50 N 4th, Phila., Pa.
Paragon Electric Co. (Jobbers), 446 7th av, New York
Scofield & Co., 24 Murray, New York
Stanley & Patterson ("Victor" "Imperial"), 23 Murray, New York
Stromberg-Carlson Telephone Mfg. Co., 1050 University av, Rochester, N. Y.
Warner Electric Co. (Oxodized Finished), Muncie, Ind.

1329—Brackets (Electric House)

Brady Electric Mfg. Co., New Britain, Conn.
Hallett Iron Works, Harvey, Ill.
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Hubbard & Co. ("Peirce"), 63d & Butler, Pittsburgh, Pa.
McCrosky Tool Corp ("Searchlight" "Universal"), Dept. H, Meadville, Pa.

1330—Brackets (Electric Lamp)

Crown Iron Wks. Co., 1229 Tyler, Minneapolis, Minn.
Herwig Co. (The), (Adjustable), 1753-59 Sedgwick, Chicago, Ill.
See adv index at end of book
McCrosky Reamer Co. ("Searchlight," "Universal"), Meadville, Pa.
National Plastic Relief Co., 907 Evans, Cincnnati, O.
Wis Iron & Wire Wks., 1660 Booth, Milwaukee, Wis.

1331— Brackets (Flag Pole)

Enterprise Mfg. Co. of Pa., 3rd & Dauphin, Phila., Pa.
Gray Iron Foundry Co. ("Reading," also 3 & 5 Prong), Reading, Pa.
Humphrys R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Mechanicsville Specialty Supply Mfg. Co., Mechanicsvile, N. Y.
Nicol & Co. ("Columbian"), 218 N Jefferson, Chicago, Ill.
WILCOX CRITTENDEN & CO. INC. ("Ineeda" Stationary & Adjustable), 444 S Main, Middletown, Conn.
See adv index at end of book
Wrightsville Hardware Co., Wrightsville, Pa.

1332—Brackets (Flower Pot)

Grey Iron Casting Co., Mt. Joy, Pa.
Jones M. D. Co., Concord Junction, Mass.
Penn Hardware Co., Reading, Pa.
Timberlake J. B. & Sons (Gilt Plated Wire), Jackson, Mich.

1333—Brackets (Folding Scaffold)

Anderson, W. H., Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Berlin Construction Co. (Folding Steel Building), Berlin, Conn.
Elite Mfg Co. ("Reliable"), Ashland, O.
Los Angeles Ladder Co. ("Dunlap"), 1630 Central av, Los Angeles, Cal.
Moulton C. W H. Co., Somerville, Mass.
Richards-Wilcox Mfg. Co. ("R-W 231" Steel Builders), Aurora, Ill.
See adv index at end of book
Steel Scaffolding Co., Evansville, Ind.
Weber Mfg. Co., West Allis, Wis.

1334—Brackets (Hand & Foot Rail)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Champion Hardware Co. (Hand), Geneva, O.
Cheney S. & Son, Manlius, N. Y.
Chicago Hardware Foundry Co., No Chicago, Ill.
Columbus Brass Co., 620 Dublin av, Columbus, Ohio
See adv index at end of book
Dent Hardware Co. (Bar Brackets, for Arm, Foot Rail & Swinging Foot Rail), Fullerton, Pa.
Glenn Fred E. (Counter Rail), St. Charles, Ill.
Highton Wm. & Sons Co., Nashua, N. H.
Ives H. B. Co., New Haven, Conn.
Newman Mfg. Co., 420 Elm, Cincinnati, O.
Norwalk Lock Co., S Norwalk, Conn.
Penn Hardware Co., Reading, Pa.
Pratt Wm. E. Mfg. Co. (Hand Rail), 35 W Lake, Chicago, Ill.
Reading Hdwe. Co. (Hand Only), Reading, Pa.
Richards-Wilcox Mfg. Co. (Steel Builders), Aurora, Ill. *See adv index at end of book*
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Western Brass Mfg. Works, Marshall blvd & W 21st, Chicago, Ill.
Wis. Iron & Wire Wks., 1660 Booth, Milwaukee, Wis.

1335—Brackets (Lamp, Carriage & Auto)

Crown Iron Wks. Co., 1229 Tyler, Minneapolis, Minn.
Halladay L. P. Co. ("Universal"), Decatur, Ill.
Raydex Mfg. Co., Inc., Brackenridge, Pa.
Republic Auto Parts Co. (Ford Cars), 31 Tenth, Long Island City, N. Y.
Seiss Mfg. Co., Toledo, O.
Zeigler Mfg. Co., Alexandria, Ind.

1336—Brackets (Lamp, Kitchen & Bunker)

Arcade Mfg. Co., Freeport, Ill.
Columbia Machine Wks. & Malleable Iron Co. ("Columbia"), Atlantic av & Chestnut, Brooklyn, N. Y.
Crown Iron Wks. Co., 1229 Tyler, Minneapolis, Minn.
Gray Iron Foundry Co. (Cast Iron, Bronze & Gold Finish), Reading, Pa.
Grey Iron Casting Co. (Cast), Mt. Joy, Pa.
Halladay L. P. Co. ("Universal"), Decatur, Ill.
Penn Hardware Co., Reading, Pa.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Timberlake J. B. & Sons ("Jaxon," Wire for Oil Lamps), Jackson, Mich.
Wrightsville Hardware Co. (Swinging), Wrightsville, Pa.

1336a— Brackets (Pipe)

Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
Gross, Geo., Rockaway Beach, L. I., N. Y.

1337—Brackets (Plumbers', Lavatory, Tank, Etc.)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Pin Co., Waterbury, Conn.
Barber Mfg. Co. (Cast Iron Only), Ashtabula, O.
Barnes Mfg. Co., Mansfield, O.
Brey & Krause Mfg. Co., 244 Front, Allentown, Pa.
Columbus Brass Co., 620 Dublin av, Columbus, Ohio.
See adv index at end of book
Glenn Fred E., St. Charles, Ill.
Griffin Mfg. Co., Erie, Pa.
Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
Lalance & Grosjean Mfg. Co. (Plumbers'), 299 B'way, New York
McCambridge Co., 315 N. 20th, Phila., Pa.
McDonald A. Y. Mfg. Co. ("Diamond"), Dubuque, Ia.
Mechanicville Specialty Supply Mfg. Co. (Expansion Tank), Mechanicville, N.Y.
Mott J. L. Iron Works, Trenton, N. J.
Nelson N. O. Mfg. Co., 10th & Chestnut, St. Louis, Mo.
Norman C. Erwin & Co. (Expansion Tanks), 184 W Kinzie, Chicago, Ill.
Park & McKay, 55 Bagley av, Detroit, Mich.
Shevlin Engng Co., Inc., 259 W 34th, N. Y. City
Tyler Fred A. (Expansion Tank Brackets), Albany, N. Y.
Wolverine Brass Works (Lavatory), Grand Rapids, Mich.

1337a— Brackets (Pole Top)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

1338— Brackets (Pothead)

Bissell F. Co. ("Security"), Toledo, O.
Phila. Electrical & Mfg. Co., 1236 N 31st, Phila., Pa.

1339— Brackets (Rafter)

Badger Mfg. Corp., 156 Clinton, Milwaukee, Wis.
Farley & Loetscher Mfg. Co. (Wood), Dubuque, Ia.
Louden Machinery Co., Fairfield, Ia.
Myers F. E. & Bro., 950 Orange, Ashland, O.
See adv index at end of book
Ney V. L. Hay Tool Co., Canton, O.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
Steel Scaffolding Co., Evansville, Ind.
Stowell Co., The, So. Milwaukee, Wis.

1340— Brackets (Roof)

EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
Henderson A. P. ("Henderson" Self-Locking, Adjustable), Assinippi, Mass.
Moulton C. W. H. Co., Somerville, Mass.
Porter Iron Roofing & Corrugating Co., 418 Culvert, Cincinnati, O.
Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book
Stanley Rule & Level Co., New Britain, Conn.
Steel Scaffolding Co., Evansville, Ind.
Wagner Mfg. Co. ("Wagner"), Cedar Falls, Ia.

1341— Brackets (Shelf, Etc.)

Ahedo, E., 1157 Folsom, San Francisco, Cal.
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Atlas Mfg. Co. ("Bradley's"), 125 Water, New Haven, Conn.
Brainerd Mfg. Co., East Rochester, N. Y.
Brass Goods Mfg. Co., 345 Eldert, Brooklyn, N. Y.
Cheney S. & Son, Manlius, N. Y.
Corbin F. & F. ("Corbin"), Dept. H, New Britain, Conn.
Dent Hardware Co., Fullerton, Pa.
Garden City Plating & Mfg. Co. ("Garcy"), 1430 S Talman av, Chicago, Ill.
Grammes, L. F., & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
GRAND RAPIDS BRASS CO., Grand Rapids, Mich. *See adv index at end of book*
Grey Iron Casting Co., Mt. Joy, Pa.
Griffin Mfg. Co. (Pressed Steel Folding), Erie, Pa.
McKinney Mfg. Co. (Wrought Steel), Liverpool & Metropolitan, Pittsburgh, Pa.
Piqua Bracket Co. ("Piqua" Adjustable), Piqua, O.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Sharon Hardware Mfg. Co., Sharon, Pa.
Stanley Works (Wrought Steel; also Folding), New Britain, Conn.
Western Brass Mfg. Works (Brass & Bronze), Marshall blvd & W 21st, Chicago, Ill.
Wrightsville Hardware Co., Wrightsville, Pa.
Zeigler Mfg. Co., Alexandria, Ind.

Brackets (Shingling)

See Brackets, Roof

1342-3— Brackets (Sink)

American Foundry & Mfg. Co. (Adjustable), 11th & Hebert, St. Louis, Mo.
American Pin Co. ("Ampinco," Brass, Lavatory, Tank, etc), Waterbury, Conn.
American Scale Co., Kansas City, Mo.
Bignall Co., Medina, N. Y.
Bosworth-Ard Machine & Foundry Co., Anniston, Ala.
Casey-Hedges Co., Chattanooga, Tenn.
Central Foundry Co. (Sink, also Extension Sink Adjustable), 41 E. 42nd, New York
Cheney S. & Son, Manlius, N. Y.
Eagle Specialty Mfg. Co. (Steel), Jamestown, N. Y.
Glenn Fred. E., St. Charles, Ill.
Gray Iron Foundry Co. (Cast Iron), Reading, Pa.
Griffin Mfg. Co. (Lavatory, Sink & Flush Tank, etc), Erie, Pa.
Haines, Jones & Cadbury Co. ("Hajoca"), 1136 Ridge av, Phila., Pa.
Hessler H. E. Co. ("Syracuse" Steel), Syracuse, N. Y.
Kupferle John C. Foundry Co. (Sink), 1st & Wright, St. Louis, Mo.
Mechanicville Specialty Supply Mfg. Co., ("J. R. S.," "Sure Grip for Expansion & Range Tanks), Mechanicsville, N. Y.
Modern Iron Works ("M. I. W." Cast Iron), Quincy, Ill.
Penn Hardware Co., Reading, Pa.
Sanitary Co., Dept. H, Linfield, Pa.
Stanley Works (Wrought Steel), New Britain, Conn.
Swett A. L. Iron Works, Medina, N. Y.
Treaty Co., Greenville, O.
Union Foundry Co., Fitchburg, Mass.
Young Joseph H. Co. ("Boston" Adjustable, Sink & Wash Tray), 32 High, Boston, Mass.

1344— Brackets (Staging)

Steel Scaffolding Co. (Steel), Evansville, Ind.

Brackets (Stair Rail)

See Braces, Hand & Foot Rail

1345—Brackets (Steel Scaffold)

See also Brackets, Folding Scaffold

Anderson, W. H., Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Elite Mfg. Co. ("Reliable"), Ashland, O.
Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book

(Continued on following page)



DOMINION
Woven Asbestos Brake
Lining

Guaranteed Brake Service for Automobiles

DOMINION MOULDED BRAKE BLOCKS
for HOISTING APPARATUS and
other types of industrial equipment where positive action and long service are required

DOMINION ASBESTOS & RUBBER CORPN.
1780 BROADWAY NEW YORK

Brackets (Steel Scaffold)—Continued

Steel Scaffolding Co. ("Trouble-Savers"), Evansville, Ind.
Taylor Jas. L. Mfg. Co., Poughkeepsie, N. Y.

1346— Brackets (Table)

Mott J. L. Iron Works, Trenton, N. J.

1347—Brackets (Trolley Pole)

See also Cross Arms; also Insulator Pins & Brackets
American Bridge Co. (Steel), 30 Church, New York
Bissell F. Co. (Wood), Toledo, O.
Brady Electric Mfg. Co., New Britain, Conn.
Creaghead Engr. Co. ("Creaghead Flexible"), 340 Main, Cincinnati, Ohio
Cutter Geo. Co., South Bend, Ind.
Electric Railway Equip. Co., Cincinnati, O.
Electric Service Supplies Co. ("Keystone"), 17th & Cambria, Phila., Pa.
Fletcher Mfg. Co. (Iron), Dayton, O.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Hallett Iron Works ("Hallett" Universal), Harvey, Ill.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Line Material Co., So Milwaukee, Wis.
St. Louis Malleable Casting Co., 7700 N Broadway, St. Louis, Mo.
Vulcan Manfg. Co. (High Grade Apartment), 3140 S Canal, Chicago, Ill.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

1348— Brackets (Wood)

Bogert & Hopper, Inc. (Curtain Scroll Work), 57 Barclay, New York
See adv index at end of book
Carolina Cross Arm Co. Inc. (Oak), Elkin, N. C.
Estes E. B. & Sons (Curtain, Scroll Work, etc.), 364 5th av, New York.
See adv index at end of book
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Gravely B. F. & R. P., Martinsville, Va.
McMillen R. Co., Oshkosh, Wis.
Morgan Co., Oshkosh, Wis
STEARNS A. T. LUMBER CO., 100 Taylor, Boston, Mass.
See adv index at end of book
Stiles H. A. & Co. (Electrical), 166-174 Portland, Boston, Mass.
See adv index at end of book
Williams Mfg. Co., Watertown, Tenn.
Zimmerman Chas. E., 204 Burnett av, Syracuse, N. Y.

1349— Brad-Sets

Elec. Appliance Mfg. Co. ("Park's" Magnetic), Dept. H, Waterbury, Conn.
Standard Tool Co., 94 Reade, New York
Starrett L. S. & Co., Athol, Mass.
Trosco Mfg. Co., Hippodrome, Cleveland, Ohio

1350—Brake (Angle & Band Iron)

Excelsior Tool & Machine Co., 32d & Ridge, E St. Louis, Ill.
General Asbestos & Rubber Co., Charleston, S. C.

1351—*Brake Banding for Automobiles

Bossert Corporation (The), cor. Linden & West av, Utica, N. Y.
Keasbey & Mattison Co. ("Kaynum" Asbestos only), Ambler, Pa.

1352— Brake Beams

American Steel Foundries, McCormick bldg, Chicago, Ill.
Bethlehem Steel Co. (Open-Hearth Steel), South Bethlehem, Pa.
Buffalo Brake Beam Co. ("Vanderbilt"), B Lkwna, New York
Chicago Railway Equipment Co. ("Kewanee," "Diamond," "Creco," "Sterlingworth," "National," "Reliance," Ninety-six," "Drexel" & "Monarch"), 1928 W 46th, Chicago, Ill.
Damascus Brake Beam Co. ("Waycott," "Damascus," "Anglerod"), London rd & Nickel Plate, Cleveland, O.
Davis Brake Beam Co., Johnstown, Pa.
Illinois Steel Co., 208 S La Salle, Chicago, Ill.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Republic Railway Equipment Co., Inc., Railway Exchange bldg, Chicago, Ill.
Western Steel Car & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.

1353— Brake Jaws

Chicago Railway Equipment Co. ("Creco"), 1928 W 46th, Chicago, Ill.
Cleveland City Forge & Iron Co., Cleveland, O.
DeRemer-Blatchford Co., Railway Exchange bldg, Chicago, Ill.
Kansas City Bolt & Nut Co., Sheffield Station, Kansas City, Mo.
Steel Car Forge Co., Frick bldg, Pittsburgh, Pa. Works: Ellwood City, Pa.
Western Railway Equipment Co. ("Western"), Central National Bank bldg, St. Louis, Mo.
Western Tool & Forge Co., Brackenridge, Pa.

1354— Brake Lining

Advance Automobile Accessories Corp. ("Advance Cork Insert), 1721 Prairie av, Chicago, Ill.
Advance Packing & Supply Co. (Brakebestos, Ford Sts., etc.), 808 W Washington, Chicago, Ill.
Allbestos Corp. ("Allbestos"), Belfield av & Fishers la, Phila., Pa.
Alltex Weaving & Specialty Co., 212 B'way, New York
American Asbestos Co. ("Testbestos"), Norristown, Pa.
American Brake-Lining Co. ("ABC"), Lansdale, Pa.
Anchor Packing Co., 531 Market, Phila., Pa.
Appleby T. H. Co., Syracuse, N. Y.
Asbestos Fibre Spinning Co. ("Fibo"), North Wales, Pa.
Asbestos Materials Corp., Millington, N. J.
Asbestos Textile Co., 18 E. 41st, New York
Bettes Ebsen, 152 Chambers, New York
Buffalo Weaving & Belting Co. (for Fords), 215 Chandler, Buffalo, N. Y.
Cincinnati Rubber Mfg. Co. ("Arno" Band), Cincinnati, O.
Coe & Brown, 204 George, New Haven, Conn.
Cork Insert Co. ("Cork Insert"), 164 Federal, Boston, Mass.
Curry J. W. Co., 2615 Columbus, Cincinnati, O.
Delaware Hard Fibre Co., Wilmington, Del.
See adv index at end of book
DOMINION ASBESTOS & RUBBER CORP. ("Asbestos Dominion"), 1780 Broadway, New York
See adv index at end of book
Dural Rubber Corp., Flemington, N. J.
Erbestos Brake Lining Co., 4001 N 5th, Phila., Pa.
Erie Bronze Co., 353 W 19th, Erie, Pa.
Essex Rubber Co., Trenton, N. J.
Federal Asbestos Co., Paterson, N. J.
General Asbestos & Rubber Co. ("Garco"), Charleston, S. C.
Horton F. L. Cork Co. ("Elektra"), 36 Whittier, Roxbury, Boston, Mass.
Johns-Manville, Inc. ("Noark"), Madison av & 41st, New York
Keasbey & Mattison Co. ("Autobestos"), Ambler, Pa.
Kelso Mfg. Co., Trenton, N. J.
McIlroy Belting & Hose Co., Hammond, Ind.
MIKESELL BROS. CO., Wabash, Ind.
See adv index at end of book
Motor Car Supply Co. ("M. C. S."), 1453 Michigan av, Chicago, Ill.
Multibestos Co. ("Multibestos"), Walpole, Mass.
National Leather Belting Co. ("Everlast"), 423 E 56th, New York
Puget Sound Metal Works ("Dependable"), 1125 St. Paul, Tacoma, Wash.
Raybestos Co., Bridgeport, Conn.
Rochester Woven Belting Corp. ("Tuftex"), East Rochester, N. Y.
Rossendale-Reddaway Belting & Hose Co. ("Arabian Brand" Camel Hair & Cotton), Newark, N. J.
Russell Mfg. Co. ("Rusco"), Middletown, Conn.
Scandinavia Belting Co. ("Scandinavia" Asbestos for Fords), 228 High, Newark, N. J.
Smith, E. M., Co. ("Emsco"), 612-40 S Clarence, Los Angeles, Cal.
Smith Manning J. Belting Co., 41 E. Ashmead Gtn., Phila., Pa.
Smyth Rubber & Packing Co., 512 Mercer, Jersey City, N. J.
Standard Brake Lining Co., Gleasondale, Mass.
Standard Supply & Equipment Co., 17th & Lehigh, Philadelphia, Pa.
Staybestos Mfg. Co. ("S. M. C."), Phila., Pa.
Thermoid Rubber Co. ("Thermoid," Hydraulic Compressed & Interwoven Asbestos; "Rexoid," Cotton for Fords), Trenton, N. J.
U. S. Asbestos Co. ("Motobestos," "Ajax" Asbestos), 45 N Duke, Lancaster, Pa.
United States Asbestos Co. of Ill. ("Durabestos"), 619-629 Washington blvd, Chicago, Ill.
United & Globe Rubber Co. ("Globe"), Trenton, N. J.
Vogt Mfg. Corp., 408 St. Paul, Rochester, N. Y.
Wearwell Gasket & Packing Co. ("Longwear"), 32 N. Third, Camden, N. J.
Woven Steel Hose & Rubber Co. ("Blueedge"), Trenton, N. J.

1354a— Brake Lining Filler

Commercial Chemical Co., 212 Essex, Boston, Mass.

1355—Brake Shoe Wheel Truing

Wheel Truing Brake Shoe Co., 219 Tuxedo av, Detroit, Mich.

1356— Brake Shoes

AMERICAN ABRASIVE METALS CO. (Mine Motor "Feralun"), 50 Church, New York
American Brake Shoe & Foundry Co. (For Steam & Electric Railways, Locomotive Driving, Steel Back, etc.), 30 Church, New York.
American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
American Safety Lamp & Mine Supply Co. 1327 Capouse av, Scranton, Pa.
Barbour Stockwell Co. (Electric Railway), Cambridge, Mass.
Barnum-Richardson Co., Lime Rock, Conn.
Brill J. G. Co., 62d & Woodland av, Phila., Pa.
Cherry Tree Machine Co., Cherry Tree, Pa.
Chester Steel Castings Co., Chester, Pa.
See adv index at end of book
De Remer-Blatchford Co. ("Economy"), Dept. H, Railway Exchange bldg., Chicago, Ill.
See adv index at end of book
Dyer G. H. Co., Cambridge, Mass.
Janney & Co., Montgomery, Ala.
Lancaster Iron Works ("Lancaster" Safety), Lancaster, Pa.
McGuire-Cummings Mfg. Co., Harris Trust & Savings bldg, Chicago, Ill.
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
Spencer Otis Co., 80 E Jackson blvd, Chicago, Ill.
Parker & Topping Co. ("The Diamond S"), Brainerd, Minn.
Pittsburgh Brake Shoe Co., Farmers B'k bldg., Pittsburg, Pa.
Pittsburgh Iron & Steel Foundries Co., H Oliver bldg, Pittsburgh, Pa.
Railway Materials Co., Wrigley bldg, Chicago, Ill.
Railway & Mine Supply Co. (Locomotive), McCormick bldg, Chicago, Ill.
Ramapo Iron Works, Hillburn, N. Y.
Reliance Steel Casting Co., 28th & Smallman, Pittsburgh, Pa.
Republic Auto Parts Co. (For Ford Cars), 31 Tenth, Long Island City, N. Y.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Standard Brake Shoe & Fdry. Co., Pine Bluffs, Ark.

Swett A. L. Iron Works, Medina, N. Y.
Taylor Electric Truck Co. ("Taylor"), Troy, N. Y.
Waterbury Foundry Co., Waterbury, Conn.
Western Steel Car & Foundry Co. (Grey Iron), Farmers Bank bldg, Pittsburgh, Pa.
Wheel Truing Brake Shoe Co. (Wheel Grinders), 219 Tuxedo av, Detroit, Mich.

1357—Brake Shoes (Automobile)

DELAWARE HARD FIBRE CO. (Fibre), Wilmington, Del. Works: Marshallton, Del. *See adv index at end of book*
Diamond State Fibre Co. (Fibre), Bridgeport, Pa.
Hill-Smith Metal Goods Co. ("H. S."), 82 Brookline av, Boston, Mass.
Russell Mfg. Co. ("Rusco" Cam), Dept H, Middletown, Conn.
Western Pacific Sales Co. ("Rothweiler"), 2921 1st av S, Seattle, Wash.

1358-9-60— Brakes (Air)

Allis Chalmers Mfg. Co. (Electric), Milwaukee, Wis. *See adv index at end of book*
Automatic Straight Air Brake Co., 210H 11th av, New York
Carleton Co., 27 Coml. av, Boston, Mass.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
National Brake & Electric Co. ("National" Electric), ft Belleview pl., Milwaukee, Wis.
New York Air Brake Co., 165 B'way, New York
McNerney Products Co. ("Duplex" for Autos), 722 Golden Gates av, San Francisco, Cal.
Simplex Air Brake Co., 589 Bryant, San Francisco, Cal.
Westinghouse Air Brake Co., Pittsburgh, Pa.
Westinghouse Traction Brake Co. ("Westinghouse-National"), Wilmerding, Pa.

1361— Brakes (Automobile)

Bennett Mfg. Co. ("Bennett"), 459 2nd, Oakland, Cal.
Columbia Machine Works & Malleable Iron Co. ("Columbia" For Maximum Traction Trucks), Atlantic av & Chestnut, Brooklyn, N. Y.
F. A. B. Mfg. Co. ("Fabco" for Fords), 1856 7th, Oakland, Cal.
Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.
Horace Remote Control Co. (Hydraulic), 12 Stewart, San Francisco, Cal.
Hartford Edward V. (Electric), 141 Morgan, Jersey City, N. J.
Kingman Mfg. Co. ("Master"), 2201 S Main, Los Angeles, Cal.
McNerny Products Co. ("Duplex" Air), 722 Golden Gates av, San Francisco, Cal.
Parker Axles Inc., 55 Market, Poughkeepsie, N. Y.
Raybestos Co. ("Duplex"), Bridgeport, Conn.
Russell Mfg. Co. ("Rusco" emergency for Fords), Middletown, Conn.
Rush W. S. & Co. ("Rush"), 118 N Daly, Los Angeles, Cal.
Simplex Air Brake Co., 589 Bryant, San Francisco, Cal.

Brakes (Car)

See Brakes, Electric Car

1362— Brakes (Coaster)

Corbin Screw Corporation "(Corbin Duplex"), New Britain, Conn.
Eclipse Machine Co. ("Morrow"), 18th, Elmira, N. Y.
Horace Remote Control Co. (Hydraulic), 12 Stewart, San Francisco, Cal.
Hurck Indian Motor Co., 101 N 12th, St. Louis, Mo.
Miami Cycle & Mfg. Co. ("Musselman" Automatic for Bicycles & Motor Cycles), Middletown, O.
NEW DEPARTURE MFG. CO. ("New Departure" Bicycle & Velocipede), Bristol, Conn.
See adv index at end of book

1363— Brakes (Disc)

CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book

1364— Brakes (Electric Car)

Allis Chalmers Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
Am. Brake Co., 1932 N. B'way, St. Louis, Mo.
Brill, J. G. Co., 62d & Woodland av, Phila., Pa.
Columbia Machine Works & Malleable Iron Co. ("Columbia" for Maximum Traction Trucks), Atlantic av & Chestnut, Brooklyn, New York
McGuire-Cummings Mfg. Co. ("Elastic"), Harris Trust & Savings bldg, Chicago, Ill.
National Brake Co. ("Peacock," "Ackley," Adjustable), Ellicott sq, Buffalo, N. Y.
National Brake & Electric Co. ("National" Air), ft Belleview pl, Milwaukee, Wis.
National Car Coupler Co. ("Hinson"), Attica, Ind.
New York Air Brake Co., 165 B'way, New York
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Taylor Electric Truck Co., Troy, N. Y.
Westinghouse Traction Brake Co., Pittsburgh, Pa.

1365—*Brakes (Electric Crane)

See also Brakes, Electric Motor
CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
Hoist & Crane Engineering Co., (The), Engineering bldg, Liberty, N. Y.
See adv index at end of book
Westinghouse Electric & Mfg., East Pittsburgh, Pa.
See adv index at end of book

1366—*Brakes (Electric Magnetic)

Electric Controller & Mfg. Co., Cleveland, Ohio *See adv index at end of book*
Rocky Mountain Steel Products, Inc. ("Rocky Mountain" Ford), 1344 Wall, Los Angeles, Cal.

1367-8—Brakes (Electric Motor)

CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
Electric Controller & Mfg. Co., Cleveland, Ohio *See adv index at end of book*
WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa.
See adv index at end of book

Brakes (Flax)

See Tow Mill Machinery

1369— Brakes (Locomotive)

American Brake Co., 1932 N B'way, St. Louis, Mo.
New York Air Brake Co. (Also Tender, Driver, Freight & Passenger Car), 165 B'way, New York
Westinghouse Air Brake Co. (Also for **Passenger & Freight Cars), Pitts**burgh, Pa.

1370—*Brakes (Magnetic Friction)

CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
Electric Controller & Mfg. Co., Cleveland, Ohio *See adv index at end of book*

Brakes (Motor Cycle)

See Brakes, Coaster

1371— Brakes (Rail)

Miller Supply Co. (Friction for Dropping Railroad Cars Under Coal Chutes, etc), Huntington, W. Va.

1372— *Brakes (Solenoid)

CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book

1373— Brakes (Vacuum)

New York Air Brake Co. (& Vacuum Automatic), 165 B'way, New York

1374— Brakes (Wagon)

Eberhard Mfg. Co., C & P. Ry & Tennyson rd, Cleveland, O.
Ferrell Brake & Mfg. Co., Cassius av, S E, Cleveland, O.

1374a— *Brands (Auto Tire)

Dill Mfg. Co., 684 E 82nd, Cleveland, O.

1374b—Brands (Copper & Iron)

SCHODER & LOMBARD STAMP & DIE CO., 202-204 Centre st, New York
See adv index at end of book

1375— Brass Altar Rails

See also Bronze, Architectural
Cincinnati Mfg. Co., Cincinnati, O.
COLUMBUS BRASS CO., 620 Dublin av, Columbus, Ohio
See adv index at end of book
Feeley W. J. Co., 169 Angell, Providence, R. I.
Hungerford, U. T., Brass & Copper Co. ("Star"), 86 Lafayette, New York
Kingman Mfg. Co. ("Master"), 2201 S Main, Los Angeles, Cal.
Newman Mfg. Co., 420 Elm, Cincinnati, O.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
TYLER W. S. CO., Cleveland, O.
See adv index at end of book

1375a—*Brass (Block Cutters)

AMERICAN BRASS CO., Waterbury, Conn.
See adv index at end of book

1375b— *Brass (Cartridge)

Baltimore Tube Co., Baltimore, Md.
Benson Rolling Mills, Inc., Glen Ridge, N. J.
Western Cartridge Co., East Alton, Ill.

1375c— Brass (Drawn)

Conklin T. E. Brass & Copper Co., 54-60 Lafayette, N. Y.
See adv index at end of book

1376— Brass (Embossed)

AMERICAN BRASS CO., Waterbury, Conn.
See adv index at end of book
Bridgeport Brass Co., E Main, Bridgeport, Conn.
Hough W. S. Co., Dept. H, Attleboro, Mass.
Waterbury Button Corporation, 831 So Main, Waterbury, Conn.
See adv index at end of book

1377— Brass (Engravers')

AMERICAN BRASS CO., Waterbury, Conn.
See adv index at end of book
BALTIMORE TUBE CO., Wicomico & Ostend, Baltimore, Md.
See adv index at end of book
Benson Rolling Mills, Inc., Glen Ridge, N. J.
Bridgeport Brass Co., E Main, Bridgeport, Conn.
CONKLIN T. E. BRASS & COPPER CO., 54-60 Lafayette, New York
See adv index at end of book
Scovill Mfg. Co., Waterbury, Conn.
See adv index at end of book
Western Cartridge Co., East Alton, Ill.

1378—*Brass Fireplace Goods

See also Fireplace Furnishings
Colonial Fireplace Co. ("Colonial"), 4619H Roosevelt rd, Chicago, Ill.
SMITH F. P. WIRE & IRON WORKS, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book

Brass Founders

See Firms in Machinists & Founders Marked Thus: §. Also a Selected List under Castings, Brass

Brass Founders' Supplies

See Foundry Facings & Supplies

1378a— Brass Forgings

Am. Brass Products Co., Pottstown, Pa.
Bethlehem Steel Co., Bethlehem, Pa.
Charleston Iron Works, Charleston, S. C.

Brass (Locomotive)

See Bearings (Journal)

1379— Brass (Rod)

Conklin T. E. Brass & Copper Co., 54-60 Lafayette, N. Y.
See adv index at end of book

BRASS—ROD
Nearly three-quarters of a century serving the trade.
LARGE ASSORTED STOCK FOR IMMEDIATE DELIVERY
T. E. Conklin Brass & Copper Co., Inc.
54-60 Lafayette Street, New York
Established 1860 Tel. Franklyn 2900

1379a— Brass Sheet

See also Copper & Brass (Sheet)
Conklin T. E. Brass & Copper Co., 54-60 Lafayette, N. Y.
See adv index at end of book

BRASS—SHEET
Nearly three-quarters of a century serving the trade.
LARGE ASSORTED STOCK FOR IMMEDIATE DELIVERY
T. E. Conklin Brass & Copper Co., Inc.
54-60 Lafayette Street, New York
Established 1860 Tel. Franklyn 2900

1380— Brass (Signs)

BALTIMORE TUBE CO., Wicomico & Ostend, Baltimore, Md.
See adv index at end of book
Bridgeport Brass Co., E Main, Bridgeport, Conn.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
Scovill Mfg. Co., Waterbury, Conn.
See adv index at end of book
Western Cartridge Co., East Alton, Ill.

1380a— Brass Specialties

Buckeye Iron & Brass Works, 322 East 3rd, Dayton, Ohio
See adv index at end of book
Detroit Brass & Malleable Works (For Steam, Water & Gas), 1117 Holden, Detroit, Mich.
GEUDER, PAESCHKE & FREY CO. (to order), 1314-1790 St. Paul, Milwaukee, Wis. *See adv index at end of book*
Hungerford, U. T., Brass & Copper Co. ("Star"), 86 Lafayette, New York
Reading Brass Wks. Inc. (to order), Reading,Pa.
Schlangen Bros. Co., 2435 Irving Park blvd, Chicago, Ill.
SCOVILL MFG. CO., Waterbury, Conn.
See adv index at end of book
Waterbury Mfg. Co., Waterbury, Conn.
Zeigler Mfg. Co., Alexandria, Ind.

1381— Brass (Spinning)

AMERICAN BRASS CO., Waterbury, Conn.
See adv index at end of book
BALTIMORE TUBE CO., Wicomico & Ostend, Baltimore, Md.
See adv index at end of book
Benson Rolling Mills, Inc., Glen Ridge, N. J.
CONKLIN T. E. BRASS & COPPER CO., 54-60 Lafayette, New York
See adv index at end of book
Hungerford, U. T., Brass & Copper Co. ("Star"), 86 Lafayette, New York
Scovill Mfg. Co., Waterbury, Conn.
See adv index at end of book
Western Cartridge Co., East Alton, Ill.

Brass Tubing

See Tubing Brass & Copper

1382— Brass (White)

Belmont Smelting & Refining Works Inc., (Belmont Brand—Any Formula), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book
Bridgeport Deox Bronze & Metal Co., 455 Istn. av, Bridgeport, Conn.
Cramp, Wm., & Sons Ship & Engine Bldg. Co. ("Parsons"), Richmond & Norris, Phila., Pa.
New Era Mfg. Co., Kalamazoo, Mich.

1382a—Brass Work (Structural)

Acme Fancy Wire Wks. (& Bronze), Dept. H, Canfield & Moran, Detroit, Mich.
Amos Chas. & Co. Inc., 3000 Hart av, Detroit, Mich.
Columbus Brass Co., 38 Dublin av, Columbus, Ohio *See adv index at end of book*
Dent Hardware Co., Fullerton, Pa.
Hungerford, U. T., Brass & Copper Co. ("Star"), 86 Lafayette, New York
McKenna Brass & Mfg. Co., 1st av, & Ross, Pittsburgh, Pa.

1383—Brass & Bronze (Hoop)

BALTIMORE TUBE CO., Wicomico & Ostend, Baltimore, Md.
See adv index at end of book
Benson Rolling Mills, Inc., Glen Ridge, N. J.
Bridgeport Brass Co. (Hoop), E Main, Bridgeport, Conn.
Conklin T. E. Brass & Copper Co., 54-60 Lafayette, N. Y.
See adv index at end of book
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
Hungerford, U. T., Brass & Copper Co. ("Star"), 86 Lafayette, New York
Western Cartridge Co., East Alton, Ill.

1384—Brass & Bronze (Spring)

AMERICAN BRASS CO., Waterbury, Conn.
See adv index at end of book
BALTIMORE TUBE CO., Wicomico & Ostend, Baltimore, Md.
See adv index at end of book
Benson Rolling Mills, Inc., Glen Ridge, N. J.
Bridgeport Brass Co., E Main, Bridgeport, Conn.
Conklin T. E. Brass & Copper Co. (Temper), 54-60 Lafayette, New York
See adv index at end of book
Hungerford, U. T., Brass & Copper Co. ("Star"), 86 Lafayette, New York
Scovill Mfg. Co., Waterbury, Conn.
See adv index at end of book
Western Cartridge Co., East Alton, Ill.

1385—Brass & Bronze (Strip)

AMERICAN BRASS CO., Waterbury, Conn.
See adv index at end of book
BALTIMORE TUBE CO., Wicomico & Ostend, Baltimore, Md.
See adv index at end of book
Benson Rolling Mills, Inc., Glen Ridge, N. J.
Bridgeport Brass Co., E Main, Bridgeport, Conn.
Bridgeport Rolling Mills Co. Inc., Bruce & Stratford av, Bridgeport, Conn.
Conklin T. E. Brass & Copper Co., 54-60 Lafayette, N. Y.
See adv index at end of book
Conn. Brass & Mfg. Corp. (Thin Gauge), Watertown av, Waterbury, Conn.
Hungerford, U. T., Brass & Copper Co. ("Star"), 86 Lafayette, New York
Industrial Steel Corp. (Dirs.), 2704 Granview, Chicago, Ill.
Scovill Mfg. Co. (Brass), Waterbury, Conn.
See adv index at end of book
Western Cartridge Co., East Alton, Ill.

1386—Brass & Copper Angles, Channels, Etc.

Acheson Mfg. Co., Rankin, Pa.
See adv index at end of book
AMERICAN BRASS CO., Waterbury, Conn.
See adv index at end of book
Bridgeport Brass Co. (Brass Angles Only), Dept. H, Bridgeport, Conn.
Columbus Brass Co., 620 Dublin av, Columbus, Ohio
See adv index at end of book
Dahlstrom Metallic Door Co., 413 Buffalo, Jamestown, N. Y.
See adv index at end of book
Detroit Copper & Brass Rolling Mills, Clark av, Wabash R. R., Detroit, Mich.
Dent Hardware Co., Fullerton, Pa.
Hungerford, U. T., Brass & Copper Co. ("Star"), 86 Lafayette, New York
Industrial Steel Corp. (Dirs.), 2704 Granview, Chicago, Ill.
Kawneer Co., Niles, Mich.
Manhattan Brass Co. (Brass & Bronze), 332 E 28th, New York
Michigan Copper & Brass Co., 1611 W. Jefferson av, Detroit, Mich.
Randolph-Clowes Co. (Plain Drawn), Waterbury, Conn.
Rome Brass & Copper Co. ("Rome Quality"), Rome, N. Y.
Stimpson Edwin B. Co. (for box partitions), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Waterbury Button Corporation, 831 So Main, Waterbury, Conn.
See adv index at end of book
Whitehead Metal Products Co. of New York, Inc., 261-7 Canal, New York & 43 N 7th, Phila., Pa.
See adv index at end of book

1387—Brasses (Car & Engine)

Ajax Metal Co. ("Ajax"), 48 Richmond, Phila., Pa.
Brady Brass Co., 170 14th, Jersey City, N. J.
Chicago Journal Bearing Co. (High Grade), 519 W Vanburen, Chicago, Ill.
Continental Car Co. of America, Louisville, Ky.
Cramp, Wm., & Sons Ship & Engine Bldg. Co. ("Cramps"), Richmond & Norris, Phila., Pa.
Damascus Bronze Co. ("Damascus" Rolling Mill, Railroads & Electric Railways, etc.), N. S., Pittsburgh, Pa.
Dixie Brass & Foundry Co., Birmingham, Ala.
Duluth Brass Works Co., Duluth, Minn.
Eagle Brass Foundry Co., Seattle, Wash.
Edna Brass Mfg. Co. (For Steam or Electric), Cincinnati, O.
Eureka Brass Co. (Lagging Car), 601 Red Bud av, St. Louis, Mo.
Gilbert A. & Sons Brass Foundry Co., 4019 Forest Park bl, St. Louis, Mo.
Great Lakes Brass Foundry, Bay City, Mich.
Gustafson Mfg. Co., 211 W 26th, Chattanooga, Tenn.
Hodgkins J F. Co., Gardiner, Me.
Janney & Co., Montgomery, Ala.
JOHNSON BRONZE CO., New Castle, Pa.
Keystone Bronze Co. (High Grade), 39th & A. V. R. R., Pittsburgh, Pa.
Magnus Metal Co., 80 E. Jackson blvd, Chicago, Ill.
More-Jones Brass & Metal Co., B'way & Dock, St. Louis, Mo.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
T. & B. Brass Foundry Co., Tacoma, Wash.

1387a—*Brazilian Aquamarines, Tourmalines & Rough Diamonds

Diamond Drill Carbon Co., 59 Park Row, New York

Brazing Apparatus

See Blow Pipes & Brazing Apparatus

1388— Brazing (Cast Iron)

Boston Brazing Co., 465 Atlantic av, Boston, Mass.
Chattanooga Brazing & Welding Co., 1309 Cnut, Chattanooga, Tenn.
Ferrofix Brazing & Machine Works, Seattle, Wash.
Metals Welding Plant (Steel Products Co.), 4400 Perkins av, Cleveland, O.
Pacific Welding & Brazing Co., 503 Van Ness av, San Francisco, Cal.
Pittsburgh Reinforced Brazing & Machine Co., 2515 Liberty, Pittsburgh, Pa.
San Francisco Brazing & Welding Wks, 575 Howard, San Francisco, Cal.
Standard Brazing Co., 43 Bromfield, Boston, Mass.
Weldcraft Equipment Co., 2501 Penn av, Pittsburgh, Pa.

1389—Breakers (Casting or Scrap)

Curtis & Co. Mfg. Co. (Compressed Air), 1502 Kienlen av, St. Louis, Mo.
Whiting Corp., Dept. H, Harvey, Ill.
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.

1390— Breakers (Circuit)

Anderson Albert & J. M. Mfg. Co., 289a Boston, Mass.
Automatic Re-Closing Circuit Breaker Co., Dept. H, 6th & Wesley, Columbus, Ohio
Bowie Switch Co. (High Tension), 14 Montgomery, San Francisco, Cal.
Bremer, O. A., Co., Inc., 217 Division, Burlington, Iowa
Condit Electrical Mfg. Co. ("Condit" Carbon Break & Oil Break), 842 Summer, Boston, Mass.
Cutter Electrical & Mfg. Co. ("Dalite," I. T. E." "U-Re-Lites," 19th H & Hamilton, Phila., Pa.
Decatur Pump & Mfg. Co. (Gasoline Engine Ignition), Decatur, Ill.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Hartman Electrical Mfg. Co. (Automatic), Mansfield, O.
Janette Mfg. Co., 566 W Monroe blvd, Chicago, Ill.
Kelman Elec. & Mfg. Co., 1650H Naud, Los Angeles, Cal.
Line Material Co., South Milwaukee, Wis.
Magnus Electric Co., Inc., 451 Greenwich, New York
Marsh & Lippincott, 47 Kearny, San Francisco, Cal.
Monarch Valve Co. ("Monarch"), 112 Front, Brooklyn, N. Y.
Pacific Electric Mfg. Co., 827 Folsom, San Francisco, Cal.
Palmer Electric & Mfg. Co. (Automatic Reverse Phase), 60 K, Boston, Mass.
Roller-Smith Co., 233 Broadway, New York
Sangamo Electric Co., Springfield, Ill.
Sundh Electric Co. ("Sundh"), 5 av C, Newark, N. J.
Ward Leonard Elec. Co., Mount Vernon, N. Y.
WESTBURG ENGNG. CO., 57 W. Jackson blvd, Chicago, Ill.
Westinghouse Elec. & Mfg. Co. (Carbon & Oil, Alternating & Direct Current), E Pittsburgh, Pa.
See adv index at end of book

1391— Breakers (Ice)

Allman Gas Engine & Machine Co. ("Champion" Power), 461 Canal, New York
Am. Knife Co., Baldwinsville, N. Y.
Blakeslee, G. S., & Co. ("Little Giant" Choppers, Power, etc.), W 19th & S 52nd av, Cicero, Ill.
Bohn Refrigerator Co. ("The Bohn" Ice Cracker), 1350 University av, St. Paul, Minn.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Columbus Handle & Tool Co., Columbus, Ind.
Creamery Package Mfg. Co., 61 W Kinzie, Chicago, Ill.
Dilg-Fleet Mfg. Co. Inc. (The), ("Champion"), 27 E 125th, New York
Gifford-Wood Co., Hudson, N. Y.
Gruman Ice Tool Works, Branchville, Conn.
Link-Belt Company, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Micro Machine Co. ("Little Giant" Hand & Power), Bettendorf, Iowa
North Bros. Mfg. Co. ("New Rapid" Hand & Power), Lehigh av & American, Phila., Pa.
Schwenker W. M., 342 E 92d, New York
Stortz John & Son (Hand), 210 Vine, Phila., Pa.

1392—*Breakers (Magnetic Re-Set Circuit)

ELECTRIC CONTROLLER & MFG. CO., Cleveland, O.
See adv index at end of book
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

1393— Breakers (Pig Iron)

Brown Hoisting Machinery Co., 4403 St. Clair, N. E, Cleveland, O.
See adv index at end of book

1393a— Breakers (Skull)

Allis-Chalmers Mfg. Co. ("McGregor"), Milwaukee, Wis.
See adv index at end of book

The CONNELLY BOILER COMPANY
1170 IVANHOE RD. CLEVELAND, OHIO
Vertical Four Drum and Horizontal Cross Drum
WATER TUBE BOILERS
In units of from 200 to 3000 H. P. and for pressures up to 400 lbs.

1394— Breakers (Staybolt)

See also Pneumatic Staybolt Breakers

Williams White & Co. ("Lowe" for Boiler Shops), 301 8th, Moline, Ill.

Breakers (Stone)

See Crushers, Rock & Ore

1395— Breakers (Tailing)

Atlanta Utility Works, East Point, Ga.

1396— Breakers (Vacuum)

SCHUTTE & KOERTING CO., 1251 N 12th, Phila., Pa. *See adv index at end of book*

1397— Breakers & Cleaners (Coal)

Farrar & Trefts, Buffalo, N. Y.
See adv index at end of book
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

1398-9—Breechings (Boiler)

Augustine T. C., St. Joseph, Mo.
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Coatesville Boiler Works, Coatesville, Pa.
Codd E. J. Co., 700H South Carolina, Baltimore, Md.
CONNELLY BOILER CO., D., 1170 Ivanhoe rd, Cleveland, O.
See adv index at end of book
CONNERY & CO., INC., 400 N 2nd, Phila., Pa. *See adv index at end of book*
Dover Boiler Wks., 50 Church, New York
See adv index at end of book
Downey T. F. Boiler Wks., 2600 W Grand av, Chicago, Ill.
Farrar & Trefts, Inc., Buffalo, N. Y.
Granger A. D. Co., 15 Park row, New York
Heine Boiler Co., 5319 Marcus av, St. Louis, Mo.
Heil Co. ("Quality"), 1270-1300 26th av, Milwaukee, Wis.
HELTZEL STEEL FORM & IRON CO., (THE) (& Furnace), Warren, O.
See adv index at end of book

STEEL PLATE CONSTRUCTION
THE HELTZEL STEEL FORM & IRON CO.
WARREN, OHIO

Lasker & Minck, 53 Park pl, New York
Lebanon Boiler Works, Lebanon, Pa.
LITTLEFORD BROS., (Steel), 444 E. Pearl, Cincinnati, O.
See adv index at end of book
McNamara Bros. Co., Westport, Baltimore, Md.
Michel & Pfeffer Iron Works, 1417 Harrison, San Francisco, Cal.
Muskegon Boiler Wks., Muskegon, Mich.
Nelson N. P. Iron Works, 212 40th, Brooklyn, N. Y.
New York Central Iron Wks. Co., Inc., Dept. H, Hagerstown, Md.
Oil City Boiler Works, Oil City, Pa.
Penna Furnace & Iron Co., 373 Pine, Warren, Pa. *See adv index at end of book*
Standard Tank Co., 342 Madison av, New York
Tippett & Wood, Phillipsburg, N. J.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.
Young Bros. Co., 6500 Mack av, Detroit, Mich.

1400-1—Brick (Acid Proof)

See also Stoneware, Chemical

Belden Brick Co., 720 Tuscarawas W, Canton, O.
Big Savage Fire Brick Co., Frostburg, Md.
Cal. Brick Co., 604 Mission, San Francisco, Cal.
Chicago Fire Brick Co., 133 W Washington, Chicago, Ill.
Denny-Renton Clay & Coal Co. (For Chemical Works), Seattle, Wash.
Franklin Brick & Tile Co., Columbus Savings & Trust bldg, Columbus, O.
Harbison-Walker Refractories Co., Farmers' Bank bldg, Pittsburgh, Pa.
Hocking Valley Fire Clay Co., Nelsonville, Ohio
Hood B. Mifflin, Atlanta, Ga.
Hydraulic Press Brick Co., Central Natl. Bank bldg, St. Louis, Mo.
Knight, Maurice A., Akron, O.
Laclede-Christy Clay Products Co., Ry Exchange bldg, St. Louis, Mo.
Ostrander Fire Brick Co., Troy, N. Y.
Stanley Rule & Level Plant, New Britain, Conn.
Structural Slate Co. (The), (With Natural Slate Blackboard Co., Pen Argyl), 101 Marietta, Pen Argyl, Pa.
See adv index at end of book

1402-3-4—Brick (Annealing Furnace)

Chicago Fire Brick Co., 133 W Washington, Chicago, Ill.
Hydraulic Press Brick Co., Central Natl. Bank bldg., St. Louis, Mo.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Moulding Thos. Brick Co., 133 W Washington, Chicago, Ill.
Portsmouth Refractories Co., The, Portsmouth, Ohio *See adv index at end of book*

Brick (Ashlar)

See Architectural Faience

1405— Brick (Blast Furnace)

Alberene Stone Co. (Soapstone), 153 W 23rd, New York
Ashland Fire Brick Co., Ashland, Ky.
Bickford Fire Brick Co., Curwensville, Pa.
Big Savage Fire Brick Co., Frostburg, Md.
Crescent Refractories Co. (Linings, Clay Refractories), Curwensville, Pa.
Evens & Howard Fire Brick Co., 920 Market, St. Louis, Mo.
Garfield Fire Clay Co., Robinson, Pa.
Golden Fire Brick Co., 1936 15th, Denver, Colo.
Hall & Sons, 69 Tonawanda, Buffalo, N. Y.
Harbison-Walker Refractories Co., Farmers' Bank bldg, Pittsburgh, Pa.
Hydraulic Press Brick Co., Central Natl. Bank bldg, St. Louis, Mo.
Niles Fire Brick Co., Niles, O.
Pennsylvania Fire-Brick Co., Beech Creek, Pa.
PORTSMOUTH REFRACTORIES CO., Portsmouth, Ohio
See adv index at end of book
Rust Engineering Co., 311 Ross, Pittsburgh, Pa.
Standard Fire Brick Co., Pueblo, Col.
Stowe-Fuller Refractories Co., The, Union Trust bldg, Cleveland, O.
Vitrefrax Co., Inc. ("Vitrefrax"), 51st & Pacific blvd, Los Angeles, Cal.
Walsh Fire Clay Products Co., 4070 No Main, St. Louis, Mo.

1406—Brick (Boiler Arch & Setting)

American Arch Co. (Locomotive Brick Arches), 17 E 42nd, New York
American Fire Brick Co., 1102 Monroe, Spokane, Wash.
ANCHOR BUILDING CO., Elizabeth, N. J.
See adv index at end of book
Ashland Fire Brick Co., Ashland, Ky.
Boiler Tube Co. of America, 1228 Park bldg, Pittsburgh, Pa.
See adv index at end of book
Boland Const. Co., 53 W Jackson, Chicago, Ill.
Boland John V. Construction Co., Chemical bldg, St. Louis, Mo.
Brighton Fire Brick Co., New Brighton, Pa.
Cherry Chemical Co. (Boiler Setting), 1018 Callowhill, Phila., Pa.
Chicago Fire Brick Co., 133 W. Washington, Chicago, Ill.
Detrick M. H. Co., 155 E. Superior, Chicago, Ill.
Evens & Howard Fire Brick Co., 920 Market, St. Louis, Mo.
GARFIELD FIRE CLAY CO., 43 Cedar, New York
Golden Fire Brick Co., Denver, Colo.
Hall & Sons, 69 Tonawanda, Buffalo, N. Y.
Harbison-Walker Refractories Co. (For all Makes of Boilers), Farmers' Bank bldg, Pittsburgh, Pa.
Hydraulic Press Brick Co., Central Natl. Bank bldg, St. Louis, Mo.
Kier Fire Brick Co. (The), 2241 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book
Lamprey Co., 283 Elm, Westfield, Mass.
Liptak Fire Brick Arch Co., 846 Builders' Exchange bldg., Minneapolis, Minn.
Los Angeles Pressed Brick Co., 145 S Spring, Los Angeles, Cal.
McLEOD & HENRY CO. (Fire Brick "Steel Mixture"), 360 1st, Troy, N. Y.
Marsh-Burnett Co. (Blocks), 1310 E 6th, Los Angeles, Cal.
Maurer, Henry, & Son ("Herculean" Floor Arches), 420 E 23rd, New York
See adv index at end of book

HENRY MAURER & SON
420 East 23rd St. New York
Established almost 70 years
THE ACCURACY AND UNIFORMITY OF OUR FIRE-BRICK ARE FAMILIAR IN THE TRADE. THE WORKMANSHIP WINS CONSTANT APPROVAL.
FACTORY: MAURER, N. J.

Missouri Fire Brick Co. (Stoker Arch, Baffle & Bridgewall), Security bldg., St. Louis, Mo.
Monarch Boiler Arch Co., 220 Oregon, Milwaukee, Wis.
Moulding Thos. Brick Co., 133 W Washington, Chicago, Ill.
Naismith Geo. & Son, 6312 Butler, Pittsburgh, Pa.
Niles Fire Brick Co., Niles, O.
PORTSMOUTH REFRACTORIES CO., Portsmouth, Ohio
See adv index at end of book
Presbrey Stove Lining Co., Taunton, Mass.
Rust Engineering Co., 311 Ross, Pittsburgh, Pa.
Sayre & Fisher Co., 261 B'way, New York
Van Horne J. R., 509 Monadnock bldg, Chicago, Ill.
Warwick Constn Co., 1048 W. Harrison, Chicago, Ill.

1407-8-9— Brick (Brick Kiln)

Hydraulic Press Brick Co., Central Natl. Bank bldg, St. Louis, Mo.
Moulding Thos. Brick Co., 133 W Washington, Chicago, Ill.

1410— Brick (Cement)

Botfield Refractories Co. (Fire Brick), 776 S Swanson, Philadelphia, Pa.
Eugene Concrete Pipe Co., Eugene, Ore.
Shope Brick Co., 470 E 8th, Portland, Ore.
White Marble Lime Co., Manistique, Mich.

1411-2—Brick (Cement Kiln)

Ashland Fire Brick Co., Ashland, Ky.
Bickford Fire Brick Co., Curwensville, Pa.
Brighton Fire Brick Co., New Brighton, Pa.
Chicago Fire Brick Co., 133 W Washington, Chicago, Ill.
Harbison-Walker Refractories Co., Farmers' Bank bldg, Pittsburgh, Pa.
Kier Fire Brick Co. (The), 2241 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book
Maurer Henry & Son, 420 E 23d, New York
See adv index at end of book
Moulding Thos. Brick Co., 133 W Washington, Chicago, Ill.
Portsmouth Refractories Co., The, Portsmouth, Ohio *See adv index at end of book*
Walsh Fire Clay Products Co., 4070 No Main, St. Louis, Mo.

1413— Brick (Chrome)

General Refractories Co., 117 S 16th, Phila., Pa.
Harbison-Walker Refractories Co., Farmers' Bank bldg, Pittsburgh, Pa.
Lavino E. J. & Co., H Bullitt bldg, Phila., Pa.
Stowe-Fuller Refractories Co. (The), Union Trust bldg, Cleveland, O.
Utah Fire Clay Co., Salt Lake City, Utah

1414-5—Brick (Coke Oven)

Alabama Clay Products Co., Farley bldg, Birmingham, Ala.
American Fire Brick Co., 1102 Monroe, Spokane, Wash.
Ashland Fire Brick Co., Ashland, Ky.
Brighton Fire Brick Co., New Brighton, Pa.
Chicago Fire Brick Co., 133 W. Washington, Chicago, Ill.
Evens & Howard Fire Brick Co., 920 Market, St. Louis, Mo.
GARFIELD FIRE CLAY CO., 43 Cedar, New York
Harbison-Walker Refractories Co. (Beehive, Long or Belgian Type, etc), Farmers' Bank bldg, Pittsburgh, Pa.
Hydraulic Press Brick Co., Central Natl. Bank bldg, St. Louis, Mo.
Kier Fire Brick Co. (The), 2241 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book
Niles Fire Brick Co., Niles, O.
Pennsylvania Fire-Brick Co., Beech Creek, Pa.
Portsmouth Refractories Co., Portsmouth, Ohio *See adv index at end of book*
Standard Refractories Co., Claysburg, Pa.

1416-7-8-9—Brick (Common)

See also Brick, Enameled; Brick, Fire; Brick, Front; Brick, Vitrified Paving; Blocks, Hollow Building; Conduits; Fireproof Hollow Brick & Tile; Plumbers' Sanitary Earthenware; Roofing Tile, Terra Cotta; Sewer Pipe Manufacturers; Terra Cotta, Architectural; Tile, Art, etc.

ALABAMA.

BIRMINGHAM—Alabama Clay Products Co., Farley bldg
BRICKYARD—Bickerstaff Brick Co.
GREENVILLE—Terrell W. C.
HUNTSVILLE—Huntsville Brick Co.
LOVICK—Stephenson L. L.
MONTGOMERY—Excelsior Brick Co.
Jenkins Brick Co.
RAGLAND—Ragland Brick Plant

ARIZONA.

PHOENIX—Fitzsimmons, Thos. E.
PRESCOTT—Fitzsimmons Thos.

ARKANSAS.

LITTLE ROCK—Arkansas Brick & Mfg. Co.
MARIANNA—Sutton O. C. & Co.
PARAGOULD—Paragould Brick Co.
PINE BLUFF—Pine Bluff Brick Co.
TEXARKANA—Stevens A. W.
Texarkana Brick Co.

CALIFORNIA.

BAKERSFIELD——Bakersfield Sandstone Brick Co.
Kern County Brick Co.
EXETER—S. P. Brick & Tile Co., Inc.
FRESNO—Craycroft-McKnight Brick Co., Matter bldg
Pioneer Brick & Tile Co., Rowell bldg
S. P. Brick & Tile Co., Inc.
IONE—Ione Firebrick Co.
LIVERMORE—Livermore Fire Brick Co.
LONG BEACH—Long Beach Brick Co.
LOS ANGELES—K. & K. Brick Co., 548 S Spring
Los Angeles Brick Co.
Los Angeles Pressed Brick Co., 145 S B'way
Pacific Clay Products Co., 129 W 2nd
Simons Brick Co.
Standard Brick Co.
PORT COSTA—Port Costa Brick Works
RIVERSIDE—Hancock, C. P.
SAN DIEGO—Union Brick Co.
SAN FRANCISCO—Cal. Brick Co., 604 Mission
Ione Firebrick Co., Rialto bldg
Livermore Fire Brick Works, 604 Mission
Port Costa Brick Co., Sharon bldg
United Materials Co., 618 Mission
SAN JOSE—Petersen-Kartschake Co.
San Jose Brick Co.
STOCKTON—San Joaquin Brick Co.
Stockton Brick & Tile Co., McKinley av
TORRANCE—Torrance Brick Co.

COLORADO.

CANON CITY—Diamond Fire Brick Co.
DENVER—Denver Pressed Brick Co., Temple Court bldg
Denver Sewer Pipe & Clay Co., Interstate Trust bldg
Golden Fire Brick Co.
Robinson Brick Co., Exchange bldg
LONGMONT—Longmont Brick & Tile Co. ("Lo-Tex")
PUEBLO—Standard Fire Brick Co.

CONNECTICUT.

BERLIN—American Brick Co.
Donnelly Brick Co.
Merwin C. P. Brick Co.
Murray Richard Brick Co.
EAST WINDSOR HILL—East Windsor Hill Brick Works
HAMDEN—Shares F. I.
HARTFORD—Kane Michael Brick Co., 190 New Park av
Mills Eugene D., 216 Tower av
MIDDLETOWN—McDonnell Brick Co.
Tuttle Brick Co.
MONTOWESE—Montowese Brick Co.
O'Neil H. C.
NEW BRITAIN—Holmes Jno. W.
NEW HAVEN—Davis Wm. E. & Co., Benton Hamdn.
Montowese Brick Co.
Stiles I. L. & Son Brick Co.
NORTH HAVEN—Stiles & Hart Brick Co.
THOMPSONVILLE—Brower & Best
TORRINGTON—Hotchkiss Bros. Co.
WILSON—Wilson Brick Co.

DELAWARE.

DELMAR—Salisbury Brick Co.
WILMINGTON—Delaware Terra Cotta Co.
Oberly James B.

DISTRICT OF COLUMBIA.

WASHINGTON—Virginia Brick Co., Colorado bldg
West Bros. Brick Co., Nat Savings & Trust bldg

FLORIDA.

CAMPVILLE—Campville Brick Co.
GREEN COVE SPRINGS—Clay County Steam Brick Works
JACKSONVILLE—Gamble & Stockton Co.
LAKE HELEN—Bond Sandstone Brick Co.
PLANT CITY—Plant City Composite Brick Co. (Sand Lime)

GEORGIA.

ADAIRSVILLE—Georgia Brick & Tile Co.
ALBANY—Flint River Brick Co.
Tift Silicate Brick & Stone Co. (Sand Lime)
ATLANTA—Chattahoochee Brick Co.
AUGUSTA—Dunbar Brick Co.
Electric City Brick Co.
Georgia-Carolina Brick Co.
Georgia Vitrified Brick & Clay Co.
McKenzie Brick Co.
Merry Bros.
CALHOUN—Legg Brick Co.
CHATSWORTH—Chatsworth Brick & Tile Co.
COLUMBUS—Berry Geo. O.
GAINESVILLE—Hudson M D Jr & Co.
MACON—Bibb Brick Co.
Cherokee Brick Co.
Standard Brick Co.
MILLEDGEVILLE—Milledgeville Brick Works
Oconee Brick & Tile Co.
ROCKY FORD—Ogeechee River Brick Co.
ROME—Rome Brick & Tile Co.
THOMASVILLE—Arnold Adam
TIFTON—Tift Silica Brick Co.
TRIMBLE—Trimble Brick Co.
UNION POINT—Ogeechee Brick Co.

IDAHO.

BOISE—Sand Lime Brick Co.

ILLINOIS.

ALBION—Albion Shale Brick Co.
Albion Vitrified Brick Co.
ALTON—Alton Brick Co.
ASHKUM—Comstock C. H. Co. (Tile Only)
BELLEVILLE—Belleville Brick Co.
CAMBRIDGE—Hull Jno. L.
CAMPUS—Mamer Bros.
CANTON—Roller Geo. B.
CAPRON—Munson Bros. Co.
CARLINVILLE—Moody John & Son
CHATSWORTH—Walter Geo. J.
CHICAGO—Acme Brick Co., 2320 S Crawford av
Bach Brick Co., 2647 Montrose av
Bonner & Marshall Brick Co., 133 W Wash.
Builders Brick Co., 118 N La Salle
Carey Brick Co., 133 W Washington
Chicago Brick Co., 38 S Dearborn
Dee Wm. E. Co., 30 N La Salle
Illinois Brick Co., 111 W Washington
Kimbell S. S. Brick Co., 133 W Washington
Lake View Brick Co., 2756 Irving Park
Lutter Brick Co., 1503 Wellington av
Moulding Thos. Brick Co., 133 W Washington
National Brick Co., 118 N La Salle
COAL CITY—Haeger Brick & Tile Co.
COLCHESTER—Tiffany Enameled Brick Co., 133 W Washington
Tiffany Enameled Brick Co., 133 W Washington
DANVILLE—Danville Brick Co.
Western Brick Co.
DECATUR—Decatur Brick Mfg. Co.
EAST PEORIA—Carter F. R.
EDWARDSVILLE—Richards Brick Co.
ELDORADO—Eldorado Brick Co.
FREEPORT—Grant Thos.
GALESBURG—Purington Paving Brick Co.
HAMPSHIRE—Backus & Sholes
JOLIET—Shaw E.
Shaw Silas Brick Co.
KANKAKEE—Kankakee Tile & Brick Co. (Drain Tile)
LITCHFIELD—Keese & Chamberlin Bros.
LOMBARD—Lombard Brick & Tile Co.
MONTICELLO—Lodge W. F.
MORRIS—Buck R. B.
MOUNT OLIVE—Mount Olive Brick & Tile Co.
MOWEAQUA—Corrington William E.
NAPERVILLE—Martin & Van Owen
NASHVILLE—Nashville Press Brick Co.
OTTAWA—Chicago Retort & Fire Brick Co.
PEORIA—Carter F. R.
Giles Albert E.
Peoria Brick & Tile Co.
PRINCETON—Hansen Bros.
Oberschelp H. G. (Tile)
QUINCY—Damhorst Wm. S.
Gem City Press Brick Co.
Spilker A. & Sons
ROCK ISLAND—Argillo Works
Paulsen Hans
SAINT ANNE—St. Anne Brick & Tile Co.
SENECA—Steep W. H.
SPRINGFIELD—Springfield Paving Brick Co.
STREATOR—Barr Clay Co.
Streator Brick Co.
Streator Drain Tile Co. (Drain Tile Only)
TAYLORVILLE—Anderson Samuel
URBANA—Sheldon Brick & Building Supply Co.
WADSWORTH—Winter Bros.
YORKVILLE—Tarbox A. & E.
ZENOBIA—Molohan Dave

INDIANA.

AKRON—Gast A. A. & Son
ANGOLA—Angola Brick & Tile Co.
Bachelor Brick & Tile Co. (Also Tile)
ATTICA—Poston Clarence E.
AURORA—Aurora Brick Works
BATESVILLE—Wessel H.
BERNE—Gottschalk Andrew (Tiles)
BLOOMFIELD—Bloomfield Brick Co.
BOONVILLE—Industrial Brick Works
Klostermeier Louis
BRAZIL—Brazil Clay Co.
Chicago Sewer Pipe Co. (see Chicago, Ill.)
BROOKLYN—Brooklyn Brick Co.
BROOK—Brook Terra Cotta Tile & Brick Co.
BUTLER—Butler Brick & Tile Co., 1206 State Life
CLINTON—Clinton Paving Brick Co.
COLFAX—Colfax Drain Tile Co.
CONNERSVILLE—Fries A. & Sons
CRAWFORDSVILLE — Crawfordsville Shale Brick Co.
Poston Paving Brick Co.
Standard Brick Co.
DECATUR—Krick, Tyndall & Co.
DELPHI—Clauser W. H. & Sons
DUNKIRK—Martin Bros. (Also Tile)
EVANSVILLE—First Avenue Brick & Tile Co.
Standard Brick Mfg. Co.
Uhl Pottery Co.
FORT WAYNE—Fort Wayne Brick Co.
Moellering's Wm. Sons
HOBART—Kulage Brick Works
HOMER—Arbuckle & Son
HUNTINGTON—Holzinger F. F.
INDIANAPOLIS—Brooklyn Brick Co., Chamber of Commerce
KOKOMO—Leach J. M. Mfg. Co.
LAFAYETTE—May Bros.
LAGRANGE—Lagrange Specialty Co.
LAWRENCEBURG—Mitchell Brick Co.
MADISON—Madison Brick Co.
MARTINSVILLE—Adams Clay Products Co.
Martinsville Brick Co.
MEDARYVILLE—Howe Geo R
MEDORA—Medora Shale Brick Co.
MICHIGAN CITY—Granite Brick Co. (Sand Lime)
North Indiana Brick Co. (Sand Lime)
Ohlemacher Brick Co.

MILLGROVE—Inman Tile Co. (Tile)
MONTEZUMA—Montezuma Brick Works
MOUNT VERNON—Brinkman H. (Tile, etc.)
NORTH LIBERTY—Heim Cement Products Co. (Tile Only)
NORTH VERNON—North Vernon Lumber Co.
PONETO—Cook J. W. (Tile)
PREBLE—Werling Albert (Tile Only)
RAYS CROSSING—Arbuckle & Son (Tile)
RUSSIAVILLE—Cunningham Richard
SCOTTSBURG—Wyman D. W. & Son
TERRE HAUTE—Bennett Brick Co.
WASHINGTON—Kretz Joseph
WOLCOTT—Wolcott Brick & Drain Tile Co.
WOODBURN—Woodburn Tile & Brick Co. (Brick & Tile)

IOWA.

ALGONA—Algona Brick & Tile Works
AUBURN—Auburn Brick & Tile Co.
BARNES CITY—Wilson & Morrow
BOONE—Boone Brick Tile & Paving Co.
BUFFALO—Davenport Brick & Tile Co.
CEDAR RAPIDS—Stookey D. W.
CENTERVILLE—Centerville Brick Co.
CLAY WORKS—Johnston Bros. Clay Works
COLUMBUS JUNCTION—Long Clifford
CRESCO—Marshall C. A.
CRESTON—Tramp Bros.
DAVENPORT—Benedict John Co.
Davenport Brick & Tile Co.
Hydraulic Press Brick Co.
DECORAH—Kornmeyer Bros.
DEEP RIVER—Deep River Brick & Tile Co.
DES MOINES—Des Moines Brick & Tile Co.
Flint Brick Co.
Goodwin Tile & Brick Co.
Iowa Pipe & Tile Co.
Maine James & Sons Co.
Star Brick Co.
DE SOTO—De Soto Brick & Tile Works
DUBUQUE—Heim, John, & Son Bros.
DYSART—Dysart Brick & Tile Co.
ELDON—Trott J. A. & Sons
ELDORA—Eldora Pipe & Tile Co.
FONDA—Straight L. S.
FORT DODGE—Bradshaw & Co.
Fort Dodge Brick & Tile Co.
Kalo Brick & Tile Co.
GLADBROOK—Gethmann Brick Co.
Gladbrook Pressed Brick & Tile Co.
GRINNELL—Grinnell Clay Products Co.
IOWA CITY—Oakes Bros.
KALO—Kalo Brick & Tile Co.
KELLOGG—Kellogg Brick & Tile Works
KEOKUK—Keokuk Brick & Tile Co.
LEHIGH—Lehigh Clay Products Co.
LYNNVILLE—Newby C. H.
MARSHALLTOWN—Sieg John A.
MASON CITY—American Brick & Tile Co
Mason City Brick & Tile Co.
Mason City Clay Works
Mason City Sewer Pipe Co.
North Iowa Brick & Tile Co.
MEDIAPOLIS—Johnson A. & Sons
MONTICELLO—Dautremont Frank
MUSCATINE—Kotting & Sons
Maeglin Gustave
NEVADA—McHose S. M.
NORTH ENGLISH—Smith E. J. & Sons
OTTUMWA—Morey Clay Products Co (Brick & Tile)
Ostdiek H. B.
POSTVILLE—Postville Clay Products Co
REDFIELD—Redfield Brick & Tile Works
ROCKFORD—Rockford Brick & Tile Co
SHEFFIELD—Sheffield Brick & Tile Co.
SIOUX CITY—Sioux City Brick & Tile Co
SOUTH ENGLISH—Good Bros.
TAMA—Tama Brick & Tile Co.
TOLEDO—Toledo Brick & Tile Co.
WASHINGTON—Long C. W.
Shields John & Sons
WINFIELD—Pierce J. E.

KANSAS.

BUFFALO—Buffalo Brick Co.
BUFFVILLE—Kansas Buff Brick & Mfg. Co.
CHANUTE—Chanute Brick & Tile Co.
CHERRYVALE—Cherryvale Brick Co.
COFFEYVILLE—Coffeyville Vitrified Brick & Tile Co.
FREDONIA—Excelsior Brick Co.
Fredonia Brick Co.
HUMBOLDT—Humboldt Brick Mfg. Co.
IOLA—Iola Brick Co.
Union Brick Co.
LINDSBORG—Swanson A. J.
NEODESHA—Verdigris Valley Vitrified Brick & Tile Co.
PITTSBURGH—Pittsburgh Paving Brick Co.
SALINA—Salina Vitrified Brick Co.
TOPEKA—Capital City Vitrified Brick & Paving Co.
Lumberman's Supply Co.

KENTUCKY.

ASHLAND—Gates J. J.
BARBOURVILLE—Barbourville Brick & Tile Co.
BOWLING GREEN—Phillips Aaron
CLINTON—Harpole John A.
COVINGTON—Broering & Meier
Busse Brick Co.
DANVILLE—Dillehay Brick Co.
FULTON—Bransford, C. H. & Son
GLASGOW—Dickinson Brick & Tile Co.
HALDEMAN—Kentucky Fire Brick Co.
HENDERSON — Kleymeyer-Klute Brick & Tile Works
HOPKINSVILLE—Dalton Bros. Brick Co
LEBANON—Goodin R. G.
LEXINGTON—Lexington Brick Co.
LOUISVILLE—Coral Ridge Clay Products Co., Inter-Southern bldg.
Southern Brick & Tile Co.
MACEO—Robinson W. F.
MADISONVILLE—Hall W. L.
MAYSVILLE—Maysville Brick Co.
Sphar Brick Co.
MORGANFIELD—Alhorn & Waller
MURRAY—Slaughter G. W. & A. J.
NEW HAVEN—Nelson Brick & Tile Co.
NEWPORT—Newport Pressed Brick & Stone Co.
NICHOLASVILLE—Schneider A. H.
PADUCAH—Hill & Karnes Brick Co.
Paducah Brick & Tile Co.
STURGIS—Long E. H.
WINCHESTER—Winchester Granite Brick Co. (Sand Lime)

LOUISIANA.

ABBEVILLE—Godchaux Brick Co., Ltd.
ALEXANDRIA—Adams C. N.
BATON ROUGE—Baton Rouge Brickyard
BREAUX BRIDGE—Breaux Bridge Brick & Milling Co., Ltd.
COVINGTON—Alexius Bros. Co.
EVERGREEN—Flournoy David
FRANKLIN—Milholland, Geo.
HAMMOND—Kent, Amos, Lumber & Brick Co.
LAKE CHARLES—Buck H. E. Brick Mfg. Co.
Delatte & Lagrange
MARKSVILLE—Neck Bros. Co., Ltd.
MONROE—Monroe Brick & Builders Supply Co.
NATCHITOCHES—Hughes & Aaron
NEW ORLEANS—Salmen Brick & Lumber Co., Ltd., 3901 Carrollton
Salmen Brick & Lumber Co., Ltd., Whitney bldg
PEARL RIVER—Schneider Bros. (Firm Name)
PLAQUEMINE—Plaquemine Brickyard
SHREVEPORT—Shreveport Brick & Tile Co.
SLIDELL—Salmen Brick & Lumber Co., Ltd.
WINNFIELD—Winnfield Brick Co.

MAINE.

BREWER—Brooks Brick Co.
BRUNSWICK—Hacker C. E.
LEWISTON—Pettingill Geo. S.
MECHANIC FALLS — Mechanic Falls Brick Co.
ORLAND—Gross Fred B. & Son
Hutchins A. W. & A. B.
PENOBSCOT—Hamblet Brick Co.
Lucas William
SACO—Saco Brick Co.
SKOWHEGAN—Purington Horace Co.
WATERVILLE—Purinton H. Co.
WEST FARMINGTON—Galbert Thos.

MARYLAND.

BALTIMORE—Baltimore Brick Co., Maryland Trust bldg
Burns & Russell Co., American bldg
Champion Brick Co., 110 E Lexington
Excelsior Brick Co., Benson av, nr Caton
BERLIN—Berlin Brick Co.
Westport Paving Brick Co., Baltimore, Md.
CUMBERLAND—Queen City Brick & Tile Co
FREDERICK—Frederick Brick Works
Maryland Brick & Supply Co.
FROSTBURG—Savage Mountain Firebrick Co.
HAGERSTOWN—Hancock Shale Brick Co.
HANCOCK—Hancock Shale Brick Co.
NORTH EAST—Green Hill Fire Brick Co.
PRINCESS ANNE—Collins Frank
SALISBURY—Salisbury Brick Co.
WILLIAMSPORT — Conococheague Brick & Earthenware Co.

MASSACHUSETTS.

BELMONT—New England Brick Co.
BOSTON—Boston Brick Co.
New England Brick Co., 18 Post Office Square
Parry Brick Co., 77 Summer
BRIDGEWATER—Bridgewater Brick Co.
CAMBRIDGE—New England Brick Co.
CHELSEA—Boston Brick Co.
EASTHAMPTON—Coyle Bartley & Son
FITCHBURG—Fitchburg Brick Co.
HOLYOKE—Holyoke Brick Co.
Lynch Bros. Brick Co.
IPSWICH—Brown Walter G.
LYNN—Blakeley Geo. C. & Son (Red & Rough)
Graham F. J.
MEDFORD—New England Brick Co.
OTTER RIVER—Otter River Brick Co
SPRINGFIELD—Springfield Brick Co., 310 Main
SOUTH AMHERST—Atwater & Dow
TAUNTON—Stiles & Hart Brick Co.
WEST BARNSTABLE—West Barnstable Brick Co.
WILLIMANSETT—Phillips E. K.
WORCESTER—Boucher Jos., 15 Division

MICHIGAN.

ALLEGAN—Allegan Brick Co.
ANN ARBOR—Britton Pressed Brick Co.
ASHLEY—Stevenson David & Sons
AZALIA—Meyers Bros.
CALUMET—Lake Superior Stone Brick Co.
CASS CITY—Hall Charles
CLIO—Scholl L. J. & C. E. (Red Face)
DETROIT—Clippert, Geo. H., & Bros. Brick Co., 743 Virginia
Daniel, Jacob, Brick Co., 4141 Clippert
Flood & Hall, Inc. (Sand Lime)
Lohyo-Harsha Brick Co., Larkin rd, nr Michigan
Mercier Bryan-Larkins Brick Co., Miller rd
Michigan Pressed Brick Co., 4500 Lawton
Puritan Brick & Tile Co., Farewell bldg
Schneider Bros., Dime Bank bldg
Walker & Frank Brick Co., Dix & Lonyo rd
FLINT—Flint Sandstone Brick Co.
GRAND RAPIDS—Battjes Fuel & Building Material Co.
Grand Rapids Brick Co.
Grande Brick Co. (Sand Lime)
HOLTON—Holton Brick Co.
Ithaca-Peet C. D.
KALAMAZOO—South Michigan Brick Co. (Sand Lime)
LANSING—Clippert Spaulding & Co.
MENOMINEE—Menominee Brick Co. (Sand Brick)
OXFORD—Michigan Pressed Brick Co.
PETOSKEY—De Arment Carl
RIVER JUNCTION — Jackson-Lansing Brick Co. (Sand Lime)
ROCHESTER—Rochester Sand & Brick Co.
SAGINAW—Saginaw Brick Co. (Sand Lime)
ST. CLAIR—Belknap & Phillips
ST. JOHNS—Pulfley C. F.
SARANAC—Brown Albert
SEBEWAING—Sebewaing Sandstone Brick Co.
TRAVERSE CITY—Markham, J. W.
ZEELAND—Zeeland Brick Co.

MINNESOTA.

AKELY—Moore Bros.
CHASKA—Chaska Brick & Tile Co.
Klein C. H. Brick Co.
JACKSON—Jackson Tile & Brick Co.
MANKATO—Fowler & Pay
Panenberg F. G. & Co.
MINNEAPOLIS—Minneapolis Brick & Supply Co., 1348 Marshall
Minneapolis Paving & Cement Brick Mfg. Co.
Minneapolis Sand Lime Brick Co., 307 Kasota
PRINCETON—Princeton Brick Co.
ST. PAUL—Chaska Brick & Tile Co., Ryan bldg
Twin City Brick Co., Pioneer bldg
SHAKOPEE—Schroeder Brick & Lime Co.
SPRINGFIELD—Ochs A. C. Brick & Tile Co.
WARREN—Lundgren Edward
WINONA—Biesanz Philip
Voelker & Groff
WRENSHALL—Enterprise Brick Co.
Habhegger Fred.
Wrenshall Brick Co.

MISSISSIPPI.

BALDWYN—Baldwyn Brick & Tile Co.
BOONEVILLE—Booneville Brick & Tile Co.
BROOKHAVEN — Brookhaven Pressed Brick & Mfg. Co.
COLUMBUS—Columbus Brick Co.
HATTIESBURG—Riverside Brick & Mfg. Co.
HOLLY SPRINGS—Holly Springs Stoneware & Fire Brick Co.
JACKSON—Bullard Brick Co.
KANSAS CITY—Bodwell Brick & Tile Co. (Sand Lime)
LOUISVILLE—Earhart J. T. Brick Co.
NEW ALBANY—Reeves Frank
YAZOO CITY—Montgomery Land Co.

MISSOURI.

BRAYMER—McCubbin Wm. M.
BRUNSWICK—Brunswick Brick & Tile Co.
CHILLICOTHE—Shale Brick & Tile Co.
GLASGOW—Burdie Bros.
INDEPENDENCE — Independence Shale Brick Plant
JACKSON—Kasten & Schmuke Pressed Brick Co.
JEFFERSON CITY—Dawson B. C.
KANSAS CITY—Buffalo Brick Co.
Lyle Rock Co., 609 Grand av Temple
LEXINGTON—Lexington Triumph Press Brick Co.
MARYLAND HEIGHTS—Alton Brick Co.
MOBERLY—Moberly Paving Brick Co.
NEVADA—Daly J. A.
ROCKPORT—West Joseph
ST. JOSEPH—St. Joseph Pressed Brick Co.
ST. LOUIS—Alton Brick Co., Chemical bldg
American Press Brick Co., 6500 Easton av
Continental Brick Co., Wright bldg
Excelsior Press Brick Co., 1010 Chestnut
Hydraulic-Press Brick Co.
Maes, Jacob, Hoffmeister av
Progress Press Brick & Machine Co., King's Highway nr Arsenal
Superior Press Brick Co., 3190 S Kingshighway
SHACKELFORD—Krumsiek Henry
WASHINGTON—Stumpe F. W.
WINFIELD — Magruder Benjamin W. (Tile)

(Continued on following page)

Brick (Common)—Continued

MONTANA.

ANACONDA—Anaconda Copper Mining Co.
MISSOULA—Missoula Brick & Tile Co.

NEBRASKA.

AUBURN—Horrum W. H.
BEATRICE—Beatrice Brick Wks.
COLUMBUS—Nichols Julius S.
GENEVA—Koehler A. Co.
HASTINGS—Polenske Bros., Schellak & Co.
Western Brick & Supply Co.
HOOPER—Builders' Brick Mfg. Co.
HUMPHREY—Baumgart Fred.
KEARNEY—Hibberd Brick Co.
LINCOLN—Yankee Hill Brick Mfg. Co.
McCOOK—McCook Brick Co.
NELIGH—Brenton T. H.
OMAHA—Gould F. P. & Son, City Natl. Bk. bldg
Hydraulic Press Brick Co.
Omaha Clay Works
Smith Brick Co.
ORD—Gruber E. Wm.
SOUTH OMAHA—Kritenbrink J. H. & Son
STROMSBURG—Stromsburg Brick Co.
YORK—York Brick & Tile Co.

NEVADA.

RENO—Reno Press Brick Co.

NEW HAMPSHIRE.

CONCORD—Holt Samuel (Estate of)
DOVER—Gage Elbridge G.
Lucas I. L.
EPPING—Goodrich W. S.
Manchester Real Estate & Mfg. Co.
Proulx Joseph B.
GONIC—Blakely Geo. C. & Son
Boston Brick Co.
Lanoix Alphonse
LEBANON—Densmore Brick Co.

NEW JERSEY.

ATLANTIC CITY—Somers Brick Co.
Turner John F.
BRIDGETON—Penbryn Brick Co.
CAMDEN—Hatch Hugh
Reeve Augustus
DUNELLEN—Rajotte, Albert
EGG HARBOR CITY—Einsiedel Julius
FLEMINGTON—Pedrick Geo. C.
HACKENSACK—Hackensack Brick Co.
LITTLE FERRY—Mehrhof Brick Co.
MAPLE SHADE—Reeve Augustus
Sauselein Geo. C.
MATAWAN—New Jersey Co.
MAYS LANDING—Atlantic Brick Mfg. Co.
MORRISTOWN—Hanover Brick Co.
MOUNTAINVIEW—Enterprise Brick Co.
NEW BRUNSWICK—Pettit & Co.
NORTHFIELD—Somers Brick Co.
OLD BRIDGE—Old Bridge Enameled Brick & Tile Co.
SAYREVILLE—Sayre & Fisher Co. (Hard Building)
SOUTH RIVER—Bisset Brick Co.
Pettit & Cook Co.
South River Brick Co.
TRENTON—Donahoe & Nolan
Sneyd Enameled Brick Co.
WHIPPANY—Hanover Brick Co.
WINSLOW—Hydraulic Press Brick Co. Office, Phila., Pa.

NEW MEXICO.

ANCHO—Ancho Brick Co.

NEW YORK.

ALBANY—Smith Edw. J.
ARLINGTON—Pennock, Meda H.
ATHENS—Rider Wm. W.
BINGHAMTON—Atlas Coal & Supply Co.
BROCKWAY—Brockway Brick Co.
BUFFALO—Berricks Chas. Sons Co., 1151 Main
Buffalo Sandstone Brick Co., 195 Fillmore
Ellicott Brick Co., 918 Ellicott sq
Lyth A. & Sons Co., 48 W Eagle
Lyth Tile Corp., Mutual Life bldg
Queen City Brick Co., Ellicott sq
CANANDAIGUA—Hollis A. M. & Co. (Tile)
CATSKILL—Washburn, G. W., & Son, Brick Yard
COEYMANS—Sutton & Suderly Brick Co.
Ziegler & Ziegler
COHOES—Aetna Brick Co.
Cary Brick Co.
CORNING—Brick Terra Cotta & Tile Co.
DUNKIRK—Dunkirk Brick & Tile Co.
DUTCHESS JUNCTION — Hammond & Freeman
Hammond & Freeman
Nicholson Bros.
Ramsdell Homer (Estate of)
EAST KINGSTON—Brigham Bros.
Hendricks Brick Co.
Lynch Bros. & Co.
Staples Brick Co.
Washburn U. F. & J. T.
ELMIRA—Consolidated Brick Co.
FARMINGDALE—Long Island Brick Co.
GLASCO—Empire Brick & Supply Co.
Empire Brick & Supply Co.
Washburn Bros. Co.
GLEN HEAD—Post Jotham
Washburn U. F. & Co.
Washburn & Fowler
GRASSY POINT—Morrissey & Co.
GREEN BRIDGE—(See New York City Borough of Richmond)
GREENPORT—Sage Brick Mfg. Co.
HAVERSTRAW—Archer, Geo.
De Noyelles Brick Co.
Excelsior Brick Co.
Fowler D. Jr. & Co.
Fowler Everett
Garner Brick Works
Malley Mary
Washburn & Fowler
Wood & Allison
HORSEHEADS—Consolidated Brick Co.
HUDSON—Atlas Bldg. Material Co.
JAMESTOWN—Jamestown Shale Paving Brick Co.
JEWETTVILLE—Ellicott Brick Co.
Jewettville Brick Co. (See Buffalo)
KINGSTON—Gardner, Theo. F.
Hanrahan Brick & Ice Co.
Hutton Co.
Staples Brick Co.
Terry Bros. Co.
LANCASTER—Buffalo Sandstone Brick Co.
Lancaster Brick & Tile Co.
MECHANICSVILLE—Cary Brick Co.
Champlain Brick Co.
New England Brick Co.

NEW YORK CITY.

Boroughs of Manhattan and Bronx.

NEW YORK—Anaconda Copper Mining Co., 25 B'way
Empire Brick & Supply Co., 103 Park av
Greater New York Brick Co., 103 Park av
Hydraulic Press Brick Co., 381 4th av
Long Island Brick Co., Inc., 280 Madison av
Sayre & Fisher Co. (Hard Building), 261 B'way

Borough of Richmond.

GREEN RIDGE—Dolan Brick Co., 1163 Arthur Kill rd

(End of New York City)

NIAGARA FALLS—Frontier Brick Works
NORTH TONAWANDA — Central Clay Products Co.
OLEAN—Alleghany Valley Brick Co.
Olean Pressed Brick Co.
Sterling Brick Co.
ROCHESTER—Flower City Brick Co., 446 Powers bldg.
Rochester Clay Brick & Tile Co., Dept. H
Rochester Composite Brick Co.
RONDOUT—(See Kingston)
ROME—Parry & Jones Co.
SCHODACK LANDING—Brousseau, H. P.
SOUTHOLD—Sanford C. L.
SYRACUSE—Paragon Plaster Co. (Sand Lime), 300 W Water
TROY—Cary Brick Co.
Troy Brick Co., Northern tpk
UTICA—Utica Brick Works
Weaver's Geo. F. Sons Co.
VERPLANCK—Mackey M. E.
O'Brien Philip
WATERVLIET—Retallick, H. E.

NORTH CAROLINA.

ARBA—Jones Geo. W.
ASHEVILLE—Shehan Geo. C.
CHARLOTTE—Riverside Brick Co.
CLARK—Clark Brick & Tile Co.
DURHAM—Cheek & Belvin
Clegg R. H.
ELIZABETH CITY—Elizabeth City Brick Co.
FAYETTEVILLE—Poe E. A. Brick Co.
FLETCHER—Fletcher Brick Co.
GASTONIA—Henry T. A.
GREENSBORO—Cunningham Brick Co.
Jennings W. G. & Son
Watson A. W. Brick Co.
GREENVILLE—Dail W. H., Jr.
HAW RIVER—Trolinger & Montgomery
HIGH POINT—High Point Brick Co.
KINGSTON—Carolina Brick Co.
SCOTLAND NECK—Madry J. W.
SELMA—Ward N. E.
WALNUT COVE—Hedgecock Brick Co.
WILMINGTON—Moore's Roger Sons Co.
WINSTON SALEM—Hedgecock R. W.

NORTH DAKOTA.

DICKINSON — Dickinson Fire & Press Brick Co.
GRAND FORKS—Red River Valley Brick Corporation
HEBRON—Hebron Fire & Pressed Brick Co.

OHIO.

ADA—Ada Clay Co. (Tile Only)
Hilty J. H. & Son (Tile Only)
AKRON—Crouse Clay Products Co.
McCausland Bros.
Robinson Clay Product Co.
Windsor Brick Co. (& Tile)
ALLIANCE—Alliance Brick Co.
Alliance Clay Product Co.
ANNA—Fleckenstein Geo. J. (Tile Only)
ANTWERP—Harrman & Son (Brick & Tile)
ARCHBOLD—Archbold Brick & Tile Co.
ATLANTA—Atlanta Tile & Brick Co.
AVERY—Park & Tucker (Tile Only)
BASCOM—Miller J. A.
BEAVER—Beaver Tile & Brick Co. (Brick & Tile)
BELLAIRE—Standard Stone & Brick Co.
BELLE CENTER—Royer Chas.
BLACKLICK—Columbus Clay Mfg. Co.
BLUFFTON—Diller Tile Co.
BRECON—Heidecker Brick Co.
BROADWAY—Thackery J. H. & Son
BROUGHTON—Baughman & Son (Tile)
BRYAN—Bryan Brick Co.
Neff Benj. F. & Sons (Tile)
BUCYRUS—Breisinger Chas. & Son
Witter Jno. (Tile)
BURKETTSVILLE—Jones Aaron (Tile)
BUTLER—Wheatcraft U. & Son
CAMP CHASE—Postle W. S. (Tile)
CANTON—Belden Brick Co., 720 Tuscarawas W
C. & B. Clay Co.
Lincoln Paving Brick Co.
Metropolitan Paving Brick Co. (Shale)
Stark Brick Co., Canton, O.
CAREY—Stief Bros. (Brick & Tile)
CARROLLTON—Medal Paving Brick Co. (See Cleveland, O.)
CARROTHERS—Stockdale Tile & Brick Co. (Brick & Tile)
CECIL—Bissell & Erter (Tile)
CELINA—Celina Brick Mfg. Co.
Springer J. S. (Tile)
CHATFIELD—Baumgartner Bros.
CHICKASAW—Chickasaw Tile Co. (Tile)
CHIPPEWA LAKE — Chippewa Shale Brick Co.
CINCINNATI—Blair Brick Co., 2133 Alpine pl
Cincinnati Clay Products & Supply Co., 534 Main
Mitchell Brick Co., Lower River rd, Delhi
Shorey D. C. Brick & Supply Co., 241 Walnut
Suer Herman & Sons, Marburg av, Hyde Park
Taylor Chas. Sons Co., 2062 Reading
Warburg Bernard, Springfield rd, New Burlington
CLEVELAND—Cleveland Brick & Clay Co., B. of L. E. bldg
Cleveland Bldrs'. Supply & Brick Co., H. Leader-News bldg
Dover Fire Brick Co., Cuyahoga bldg
Hydraulic Press Brick Co., 5005 Euclid av
Ohio Clay Co., Warner rd
Stowe-Fuller Refractories Co., The, Union Trust bldg
COLD WATER—Birkmeyer, Mescher & Co. (Brick & Tile)
COLUMBUS—Claycraft Mining & Brick Co., Hartford bldg
Columbus Fire & Face Brick Co., 16 So. 3rd
Franklin Brick & Tile Co., Ferris bldg
Ironclay Brick Co.
COLUMBUS GROVE — Columbus Grove Brick & Tile Co.
COSHOCTON—Coshocton Brick Co.
CUMBERLAND—Bay John C. & Son
DAYTON—Crume Brick Co. (Sand Lime)
Kempert A. F.
DELAWARE—Delaware Clay Mfg. Co.
DELPHOS—Minzing Fred
DESHLER—Rogers M. E. (Tile)
DOVER—Baab Bros.
DUPONT—Etter Bros.
DUVALL—Teegardin J. W. & Co. (Brick & Tile)
EAST LIVERPOOL—East Liverpool Brick Mfg. Co.
ELMORE—Gleckler Geo. (Brick & Tile)
ELYRIA—Wallhead Wm. A.
EMPIRE—(See Brick, Fire)
ERLIN—Vogt's Wm. Son (Tile)
FINDLAY—Hancock Brick & Tile Co.
FOREST—Young T. M. (Tile)
FORT RECOVERY—Fort Recovery Tile Co. (Tile)
FREMONT—Riverside Fuel & Supply Co.
FULTON—Fulton Brick & Tile Co. (Brick & Tile)
GALENA—Galena Clay Products Co.
GLENWOOD—Noble Brick Co.
GOOD HOPE—Rife A. W. & J. Co. (Tile)
GREENSPRING—Young E. D.
GREENVILLE—Richeson, Nelson & Moore (Drain Tile)
HAMILTON—Hamilton Brick Co.
HANOVER—Hanover Red Pressed Brick Co.
HARRISON—Vincent Wm. C. & Son
HAVILAND—Haviland Clay Works (Brick & Tile)
HILL GROVE—Daubenmire C. E. (Tile)
HOLGATE—Richholt Bros. (Brick & Tile)
IRONTON—Wileman & Helbing
LACARNE—Ballin August E.
Ballin R. C.
LANCASTER—Cowden Brick & Tile Co.
Henry Robert
LARUE—LaRue Tile Co. (The)
LEIPSIC—Terry R. T. (Brick & Tile)
LINDEN HEIGHTS—Mulby Bros.
LOGAN—Hocking Valley Brick Co.
Logan Clay Product Co.
McARTHUR—McArthur Brick Co.
MALVERN—Malvern Fire Clay Co.
Medal Paving Brick Co. (See Cleveland, O.)
Robinson Clay Product Co.
MARIA STEIN—Goecke Jos. (Tile)
MARION—Dix-Mason Brick Co.
Hoyles J. T. (Brick & Tile)
MARTIN—Gerkensmyer H.
MARYSVILLE—Williams & McIntyre Co. (Tile)
MASSILLON—Everhard Co.
Massillon Stone & Fire Brick Co.
MENDON—Fox L. E. & Son (Tile)
MIDDLETOWN—Smith Wm. & Co.
MILLBURY—Diefenthaler Co. (Brick &
MILLER CITY—Miller City Tile Co. (Tile)

MINERAL CITY—Federal Clay Product Co. (Sewer, Circle, Foundations, etc.)
Holden Clay Products Co.
Markley Geo. J.
MOGADORE—Colonial Pressed Brick Co.
NAPOLEON—Mehring John N. (Brick Tile)
Yarnell D. B. & C. R.
NELSONVILLE—Nelsonville Brick Co.
NEVADA—Kuenzli Bros. (Tile)
NEWARK—Vogelmeier Bros.
NEW LONDON—Biglow E. Co. (Brick & Tile)
NEW STRAITSVILLE—Straitsville Impervious Brick Co.
NORTH ROBINSON—McDougal Victor
NORWOOD—Suer H. & Sons, Marburg av, bldg
NORWALK—Norwalk Brick & Stone Co.
OAK HARBOR—Gleckler Fred. (Tile)
Kramb Brick & Tile Co. (Brick & Tile)
OAK HILL—Aetna Fire Brick Co.
Davis Fire Brick Co.
Oak Hill Fire Brick & Coal Co.
Ohio Fire Brick Co.
OSNABURG—Stark Brick Co.,
OTTAWA—Ottawa Tile Co. (Tile)
PAINTER CREEK—Swinger Oliver (Tile)
PAULDING—Klingler C. P. (Tile)
PAYNE—Garmroth, Geo.
PERRYSBURG—Moser Wm.
Perrysburg Tile & Brick Co.
PICKERINGTON — Fernstenmaker W. H. & Son (Tile)
PLEASANTVILLE—Miller N. H.
PORT WASHINGTON—Belden Brick Co.
RICHWOOD—Richwood Clay Co.
RITTMAN—Rittman Tile & Clay Products Co. (Tile, etc)
RIVER STYX—Ream A. B. (Tile)
ROCKFORD—King W. H. & Co.
ROYALTON—Allen & Hinckle (Brick & Tile)
SABINA—Darbyshire A. J.
SALINEVILLE—Ohio Clay Products Co.
SANDUSKY—Hinde Brick & Tile Co.
SIDNEY—Bennett H. E. & Co.
SOMERSET—Belden Brick Co.
SPENCERVILLE—Schaffer G. W. (Tile)
SUGAR CREEK—Finzer Bros. Clay Co. (Tile)
Shepfer & Moomaw Bros.
SYCAMORE—Althouse Bros. (Tile)
TIFFIN—Heilman, Otto
TOLEDO—Collingwood Brick Co., Spitzer bldg.
Hydraulic-Press Brick Co.
Ohio Brick Co.
TORONTO—Toronto Fire Clay Co.
TRIMBLE—Trimble Paving Brick Co. (Building, Sewer, Sidewalk)
UHRICHSVILLE—Belden Brick Co.
Uhrichsville Clay Co.
WADSWORTH—Wadsworth Brick & Tile Co.
WAYNESBURG — Whitacre-Greer Fireproofing Co.
ZANESVILLE—Harris Brick Co.

OKLAHOMA.

BLACKWELL—Blackwell Brick Co.
BOYNTON—Francis Vitric Brick Co.
McALESTER—Choctaw Pressed Brick Co
MANGUM—Mangum Pressed Brick Co.
MUSKOGEE—Muskogee Vitrified Brick Co
OKLAHOMA—American Brick & Tile Co
PORTLAND—Columbia Brick Works, 302 E Main
SAPULPA—Sapulpa Brick Co.
Sapulpa Pressed Brick Co.

OREGON.

PORTLAND—Columbia Brick Works, 302 E Main
Standard Brick & Tile Co., Worcester bldg

PENNSYLVANIA.

ALLENTOWN—Frederick Brothers, 15th & Allen
Mattern E. G., 439 N 9th
Swoyer Bros. Brick Co., Madison & Allen
ALTOONA—Altoona Brick Co.
AUBURN—Auburn Shale Brick Co.
BELLEFONTE—Bellefonte Brick Co.
BLOOMSBURG—Bloomsburg Brick Co.
BOSTON—Harper C. M. C.
BRADDOCK—Keller, J. J., & Son
BRADFORD—Alumina Shale Brick Co
Bradford Pressed Brick Co.
BRIDGEVILLE—Mayer C. F. Brick Co.
BROOKVILLE—Humphrey Brick & Tile Co.
CARLISLE—Carlisle Brick Co.
CARNEGIE—Fort Pitt Stone & Brick Co.
CLEARFIELD—Clearfield Brick Mfg. Co.
Clearfield Clay Working Co.
Paterson Clay Products Co.
COPLAY—Rader Edward B.
CORRY—Corry Brick & Tile Co.
DARLINGTON—Darlington Brick & Mining Co.
DUBOIS—Dubois Clay Mfg. Co.
DUNBAR—Foltz D. C.
EASTON—Messer John B (Estate of)
Zehnder Brick Co.
EAST DOWNINGTOWN—Florey's Brick Wks.
EAST STROUDSBURG—Zacharias Jos. H.
EMAUS—Binder Bros.
EMPORIUM—Cameron Clay Products Co.
ERIE—Dunn Brick Works
FALLSTON—Standard Fire Clay Co.
GREENSBURG—Keystone Clay Products Co.
GROVE CITY—Filer W. H.
HOWARD—Howard Brick Co.
JOHNSONBURG — Yingling-Martin Brick Co.
KANE—Kane Brick Co.
KITTANNING—Kittanning Brick & Fire Clay Co.
KUSHEQUA—Kushequa Brick Co.
LANCASTER—Pontz Adam
Pontz Jacob
Wise C. & Bro.
LANSDALE—Scholl Bros.
LANSDOWNE—Sullivan Jno.
LATROBE—Latrobe Brick Co.
LAYTON—Kier Fire Brick Co.
LEBANON—Mt. Gretna Brownstone Co. (Sand Lime)
LEHIGHTON—Graver H. A.
LEWIS RUN—Alumina Shale Brick Co.
Bradford Pressed Brick Co. (See Bradford, Pa.)
McKEESPORT—Layton Fire Clay Co. (Sidewalk)
MILTON—Fries W. E.
MONESSEN—Monessen Brick Works
MONONGAHELA — Monongahela Stone Clay & Brick Co.
NEW BRIGHTON—Fallston Fire Clay Co.
Ingram & Co.
NEW CUMBERLAND—Flurie E. E.
NEW OXFORD—Alwine Bros. Brick Co.
NORRISTOWN—Norristown Brick Co.
OSCEOLA MILLS—Osceola Silica & Fire Brick Co.
PATTON—Cambria Clay Co.
Patton Clay Mfg. Co.
PENNSBURG—Reed Charles M.
PHILADELPHIA—Byrne, Jos. T., 29th & Clearfield
Carroll H. C. & Sons, 67th & Gibson
Conway William, 5800 Walnut
Earley John H., Nicetown
Frankford Brick Works, Torsdle av
Hatten Brick Co., 9th & Lindley
Jarden Brick Co., Land Title bldg
Keystone Brick Co., Godfrey E., 2d, St. Park
Leuton Brick Co., 25th & Passy'k av
McAvoy Vitrified Brick Co., 1345 Arch
North Phila. Brick Works, Rising Sun & Luzerne
Phila. Brick Co., 23rd c Passayunk av
Seitter's F. Sons, Nicetown & G
Siner H. M. & C. B., Church & Tracney
PHILIPSBURG—Williams Grove Brick Co.
PITTSBURGH—Booth & Flinn, Ltd., 1942 Forbes
Entress Brick Co., Bedford av & Duff Hill
Fallston Fire Clay Co., Oliver bldg
Gloninger & Co., Arrott bldg
Iron City Brick & Stone Co., Stanton & McCandless avs
Kittanning Brick & Fire Clay Co., Empire bldg
Lanz, M., Brick & Tile Co., 34th & Jane
McFeely Brick Co., 1st Nat'l Bank bldg.
Martin Brick Co., Chamber of Commerce bldg
Miller & Coulson (Dealer), 5748 Ellsworth av.
Montour Brick Co., Imperial
Pennsylvania Clay Co., 421 Wood
Pittsburgh Clay Product Co., Keenan bldg
Sankey Bros., S 21st
Squirrel Hill Brick Co., Haldane & Connor
Vanport Brick Co., Farmers Bank bldg
Ward J. H. & Sons Co., Park & Nelson
Westmoreland Brick Co., Federal Reserve bldg
POTTSTOWN—Davidheiser F. B.
Garber Joseph S.
Roth Adam E.
READING—Glen-Gery Shale Brick Co.
ROYERSFORD—Thompson & Wills
ST. MARYS—Kane Brick & Tile Co.
SCHUYLKILL HAVEN—Schuylkill Pressed Brick Co.
SCRANTON—Lawrie, James
Laurie James
Stipp Mathias, 1015 N. Main av
Stipp Peter & Sons, Colfax & Pine
SHARPSBURG—Allegheny Brick Co., (Ltd.) (See Pittsburgh, Pa.)
SOUTH BETHLEHEM—Bingen Brick Co. (Ltd.)
Groman Bros. (Ltd)
SPEECEVILLE — Speeceville Brick Mfg. Co.
STOWE—Davidheiser F. B.
UNIONTOWN—Uniontown Brick Co.
VANPORT—Gloninger & Co.
Vanport Brick Co.
WALTONVILLE — Hummelstown Brownstone Co. (Sand Lime)
WARREN—Highhouse's E. Sons
WASHINGTON—Donley Brick Co.
WATSONTOWN—Ferro Brick Co.
WILKESBARRE—Dickover Geo. T. & Son
Wyoming Valley Brick Co.
YORK—Grotbe William H.
Miller Chas. E. Brick Mfg. Co.
Spring Garden Brick Co., (Ltd.)
York Shale Press Brick Co.

RHODE ISLAND.

PROVIDENCE—Barrington Steam Brick Co., 10 Weybosset

SOUTH CAROLINA.

BLUE BRICK—Pee Dee Brick & Tile Co.
DYSON—Dyson Brick Co.
NORTH AUGUSTA—Hankinson Brick Co
SUMMERVILLE—Summerville Brick Co.

SOUTH DAKOTA.

BIG STONE CITY—Gold Bros. Brick Co.
SIOUX FALLS—Sioux Falls Pressed Brick Co.
WATERTOWN — Watertown Brick Co. (Sand Lime)

TENNESSEE.

CHATTANOOGA — Chattanooga River Brick Co., W Msnry. av & Belt ry
Howard Park Brick Co., 706 E 9th
Wells J. W. Brick Co., rear Emgr. Hosp.
CLARKSVILLE—Settle W. A.
COLUMBIA—Simpson Thos.
DYERSBURG—Nichols J. M.
Tennessee Brick & Tile Co.
Long J. B.
JACKSON—Long, J. B.
KNOXVILLE—Knoxville Brick Co., Empire bldg
McKENZIE—Costen, Moore & Co.
NASHVILLE—Bush Building Co., 174 3rd av N
Fulcher Brick Co., Lebanon pk
Lesueur W. D. & C. H., 53 Arcade
PURYEAR—Dixie Brick & Tile Co.
ROBBINS—Southern Clay Mfg. Co.
UNION CITY—Bransford T. L. & Sons

TEXAS.

AUSTIN—Elgin Butler Brick & Tile Co.
CALAVERAS—Mackey Brick & Tile Mfg. Co.
COMANCHE—White Brick Co. (Sand Lime)
CORSICANA—Corsicana Brick Co.
DALLAS—Atlas Press Brick Works
Fraser Brick Co.
D'HARRIS—Seco Pressed Brick Co. ("Seco")
ELGIN—Elgin Butler Brick & Tile Co.
EL PASO—Atlas Brick Co.
El Paso Brick Co.
FERRIS—Diamond Press Brick Co.
Ferris Pressed Brick Co.
Globe Pressed Brick Co.
Lone Star Pressed Brick Co.
Texas Press Brick Co.
FORT WORTH—Cobb Brick Co.
GAINESVILLE—Gainesville Brick Co.
GONZALES—Sunset Brick & Tile Co.
HOUSTON—Vandaveer Jennings Co.
LAREDO—Johnson S. N.
MARLIN—Branson Brick Co.
PALMER—Palmer Press Brick Works
SAN ANTONIO—Mackey Brick & Tile Mfg. Co.
San Antonio Sand Lime Brick Co.
STAMFORD—Bushel, R.
TEXARKANA—Stevens A. W.
Texarkana Brick Co
WICHITA FALLS—Wichita Falls Brick & Tile Co.

UTAH.

OGDEN—Ogden Pressed Brick & Tile Co.
PROVO—Provo Brick & Tile Co.
SALT LAKE CITY—Salt Lake Pressed Brick Co.
SMITHFIELD—Smithfield Brick & Tile Co.

VERMONT.

ESSEX JUNCTION—Drury Brick & Tile Co.

VIRGINIA.

ARLINGTON—Virginia Brick Co.
West Bros. Brick Co.
BUENA VISTA—Allegheny Slag Products Co. (Sand Lime)
Dickinson Fire Brick Co.
CHARLOTTESVILLE—Updike Eston
COVINGTON—Covington Brick Co.
DANVILLE—Watson Fitzgerald Co.
DRAKES BRANCH—Payne, R. W.
GLASGOW—Glasgow Clay Products Co.
HAMPTON—Richardson R. V.
LYNCHBURG—Adams Bros. Paynes Co.
Lynchburg Brick Co.
NORFOLK—Eureka Brick Co.
Nansemond River Brick & Tile Co.
PETERSBURG—Turner W. R.
RICHLANDS—Richlands Brick Co.
RICHMOND—Davis W. Benjamin Brick Co.
Fulton Brick Works
Powhatan Clay Mfg. Co.
South Side Brick Co.
ROANOKE — Adams, Payne & Gleaves, (Annual Capacity, 37,000,000)
SALEM—Salem Brick Co.
SUFFOLK—Suffolk Clay Co.
Virginia Brick Co.
Washington Brick & Terra Cotta Co., Waterloo
WEEMS—Buck Levin T. & Co.

WASHINGTON.

BELLINGHAM—Miller, J. F., & Bro.
CHEHALIS—Chehalis Brick & Tile Co.
CHELAN—Dunham H. E.
Mathers D. C.
COLFAX—Easum Bros.
EVERETT—Everett Brick Co.
MEAD—Davie J. T. Brick Co.
SEATTLE—Abrahamson Brick Co.
Builders' Brick Co.
Lake Union Brick & Fireproofing Co., 1834 Westlake av, N.
Lohse Brick Co.
Seattle Brick & Tile Co.

(Continued on following page)

Brick (Common)—Continued

WASHINGTON—Continued
SPOKANE—American Fire Brick Co., 1102 Monroe
Davis J. T. Brick Co., Mead Wn.
Huetter Construction Co., N 1101 Division
Washington Brick, Lime & Sewer Pipe Co.
VANCOUVER—Carson Bros.
WENATCHEE—Wenatchee Brick & Tile Co.

WEST VIRGINIA.

CHARLESTON—Kanawha Brick Co.
Standard Brick Co
CLARKSBURG—Glen View Brick Co.
COLFAX—Colfax Brick Co.
ELKINS—Elkins Brick Co.
HUNTINGTON—West Virginia Paving & Pressed Brick Co.
HURRICANE—McCallister Wm. H.
MORGANTOWN—Morgantown Brick Co.
NEW CUMBERLAND—Acme Fire Clay Works
Claymont Brick Works
Mack Mfg. Co. (Building & Foundation)
PHILIPPI—Holt Samuel T. H.
PIEDMONT—Potomac Fire Brick Co.
WESTON—Keener Geo. I.

WISCONSIN.

ATHENS—Athens Brick & Tile Co.
AUGUSTA—Johnson W. E.
BARRONETT—Larson Peter
Peterson Martin
BERLIN—Morris Chas. S.
BRILLION—Brillion Brick & Tile Co.
BRISTOL—Willett & Brown (Tile)
BURLINGTON—Burlington Brick & Tile Co.
DE PERE—Hocker Bros.
Roffers John
ELKHORN—Sprague E. H.
GRAND RAPIDS—Grand Rapids Brick Co.
Lessig John & Son
GREEN BAY—Green Bay Brick Co.
JANESVILLE—Janesville Brick Works
JEFFERSON—Jefferson Brick & Tile Mfg. Co.
Kemmeter Brick & Coal Co.
LA CROSSE—Schnell & Son
LADYSMITH—Ladysmith Brick & Tile Co.
MADISON—Wisconsin Brick Co.
MANITOWOC—Bertler's S. Sons Co.
Woerfel Adolph
MENOMONIE—Excelsior Brick Co.
Hydraulic Press Brick Co.
Wisconsin Red Pressed Brick Co.
MILWAUKEE—Acme Brick Co. (Sand Lime)
Burnham Bros. Brick Co., 68 Wisconsin
Davelaar M. Son & Co., 153 Pryor av
NEW LONDON—Zerrenner Bros.
PORTAGE—Sanborn Brick & Ice Co.
PORT WASHINGTON—Gunther Bros.
RACINE—Hilker, H. A.
SCHLEISINGERVILLE—Baehring H.
SHAWANO—Larson Thomas
SHEBOYGAN—Zimbal O. Brick Co.
STEVENS POINT—Langenberg Wm. E.
Stevens Point Brick Mfg. & Cons. Co.
UNION GROVE—Nisen Michael & Sons
WAUPACA—Gminer C.
WAUSAU—Ringle Brick Co.
WAUWATOSA—Burnham Bros. Brick Co.

WYOMING.

CHEYENNE—Cheyenne Brick Co.

1420— Brick (Cork)

Armstrong Cork & Insulation Co. (For Stables, Shipping, Platforms, Machine Shops, etc.), 24th & A. V. R. R., Pittsburgh, Pa.
United Cork Companies ("Star"), 50 Church, New York

Brick (Cupola)

See Cupola Linings & Blocks

1421— Brick Dry Pressed

Cal. Brick Co., 604 Mission, San Francisco, Cal.
Elgin Butler Brick & Tile Co., Austin, Tex.
Hydraulic Press Brick Co., Central Natl. Bank bldg, St. Louis, Mo.
Industrial Supply Co., Keokuk, Iowa
Livermore Fire Brick Works, 604 Mission, San Francisco, Cal.
Mushet W. E. Co. (Dirs.), 700 2d, San Francisco, Cal.

1421a—Brick Dust (Fire Cement)

Hidecker Brick Co., 4053 Hollis, Oakland, Cal.
Livermore Fire Brick Works, 604 Mission, San Francisco, Cal.
Mushet W. E. Co. (Dirs.), 700 2d, San Francisco, Cal.
Palin & Son, 2101 Edison av, Tacoma, Wash.

1422— Brick (Dutch Oven)

Moulding Thos Brick Co., 133 W Washington, Chicago, Ill.

1423— Brick (Enameled)

American Enameled Brick & Tile Co., 52 Vanderbilt av, New York
Claycraft Mining & Brick Co., Hartman bldg, Columbus, O.
Hydraulic-Press Brick Co. ("Hy-namel"), Central National Bank bldg, St. Louis, Mo.
Livermore Fire Brick Works, 604 Mission, San Francisco, Cal.
Los Angeles Pressed Brick Co., Los Angeles, Cal.
Martin Brick Co., Chamber of Commerce bldg, Pittsburgh, Pa.
Moulding Thomas Brick Co. ("Tiffany"), 133H W Washington, Chicago, Ill.
Old Bridge Enameled Brick & Tile Co., Old Bridge, N. J.
Sayre & Fisher Co. (Also Ornamental), 261 B'way, New York
Sneyd Enameled Brick Co., Trenton, N. J.
Tiffany Enameled Brick Co., 133 W Washington, Chicago, Ill.

1424— Brick (Face)

Firms indicated by a dagger (†) in front of their name manufacture both Standard & Roman sizes.
Manufacturers of Ornamental shapes are indicated thus (Also Ornamental) between their name and address.
CONSULT INDEX OF CONTENTS FOR OTHER BRICK & CLAY PRODUCTS

ALABAMA.

BIRMINGHAM—Alabama Clay Products Co. ("Buff-Tex"), 600-614 Farley bldg
RAGLAND—Ragland Brick Plant

ARIZONA.

TUCSON—Tucson Pressed Brick Co.

CALIFORNIA.

FRESNO—Craycroft-McKnight Brick Co., Matter bldg
LOS ANGELES—Jencks Brick Co. (Concrete), Security bldg
†Los Angeles Pressed Brick Co. (All Shapes & Colors)
MODESTO—Modesto Repressed Brick Co.
NILES—Cal. Brick Co.
Cal. Pressed Brick Co.
Livermore Fire Brick Works
NORTH SACRAMENTO—Cannon & Co.
SAN FRANCISCO—Clark N. & Sons, 116 Natoma
Cal. Brick Co., 604 Mission
†Gladding, McBean & Co. (Buff & Ornamental), Crocker bldg
Livermore Fire Brick Works, 604 Mission
Pratt Building Material Co., Hearst bldg
United Materials Co. (Ornamental), 618 Mission
STOCKTON—San Joaquin Brick Co.
TORRANCE—Torrance Brick Co.

COLORADO.

BOULDER—Boulder Pressed Brick & Lumber Co.
DENVER—Colfax Pressed Brick Co., 1740 Clay
Denver Pressed Brick Co. (Standard & Ornamental)
Denver Sewer Pipe & Clay Co.
LONGMONT—Longmont Brick & Tile Co. ("Lo-tex Rough Texture Face)
PUEBLO—Standard Fire Brick Co.
Summit Pressed Brick & Tile Co.

CONNECTICUT.

BERLIN—Merwin C. P. Brick Co.
HARTFORD — Hartford Faience Co. (Enameled)
NEW HAVEN—Davis Wm. E. & Co.
Howard Co.
Montowese Brick Co.
Stiles I. L. & Son Brick Co.

DISTRICT OF COLUMBIA.

WASHINGTON—United Clay Products Co. (Red Rough Texture), 731 Munsey bldg
Virginia Brick Co., Colorado bldg
Washington Brick & Terra Cotta Co., 911 H N W
West Bros. Brick Co., National Savings & Trust bldg

GEORGIA.

MACON—Standard Brick Co. ("Cravenette," Impervious, etc)
Stevens H. Sons Co.
MILLEDGEVILLE—Oconee Brick & Tile Co.
ROME—Trammell & Son (Mottled Colors)

ILLINOIS.

ALTON—Alton Brick Co.
AURORA—Western Wheeled Scraper Co., Farnsworth
BELLEVILLE—Belleville Brick & Tile Co. (Red, Pressed & Ornamental)
CHICAGO—Bach Brick Co., 2647 Montrose av
Chicago Brick Co., 38 S Dearborn
Dee Wm. E. Co., 30 N La Salle
Hydraulic-Press Brick Co. ("Hy-tex," also Ornamental), Chamber of Commerce bldg
Illinois Brick Co., 111 W Wash.
Kimbell S. S. Brick Co., 133 W Washington
Moulding Thomas Brick Co. ("Golden Rod," "Straitsville Impervious"), 133H W Washington
COLLINSVILLE—Hydraulic-Press Brick Co. ("Hy-tex" Works)
DANVILLE—Acme Brick Co.
Western Brick Co. (Red & Brown, Wire, Cut, Colonial Brick)
DECATUR—Ammann & Co.
EDWARDSVILLE—Richards Brick Co.
HAMPSHIRE—Backus & Sholes
LA SALLE—†La Salle Pressed Brick Co. (Buff, Red, etc)
NASHVILLE—Nashville Press Brick Co.
QUINCY—Gem City Press Brick Co.
STREATOR—Barr Clay Co.
Streator Brick Co.

INDIANA.

ATTICA—Poston Clarence E. (Matt & Rug Facing)
BRAZIL—Brazil Clay Co. (Buff Iron Spot, etc)
Brazil Face Brick Co.
Hydraulic-Press Brick Co. ("Hy-tex" Works)
BROOK—Brook Terra Cotta, Tile & Brick Co.
INDIANAPOLIS—
Hydraulic-Press Brick Co. ("Hy-tex," also Ornamental), Board of Trade bldg
MONTEZUMA—Montezuma Brick Works
PORTER — Hydraulic-Press Brick Co. ("Hy-tex" Works)

IOWA.

BOONE—Boone Brick, Tile & Paving Co. (Vitrified)
DAVENPORT—Hydraulic-Press Brick Co. ("Hy-tex," also Ornamental)
DES MOINES—Des Moines Clay Co.
Maine James & Sons Co. (Sand Mold)
GLADBROOK—Gethmann Brick Co.
LEHIGH—Campbell James
Lehigh Clay Products Co.
MASON CITY—American Brick & Tile Co.
Mason City Clay Works
MONTICELLO—Dautremont Frank

KANSAS.

BUFFALO—Buffalo Brick Co.
BUFFVILLE—Kansas Buff Brick & Mfg. Co.
COFFEYVILLE — Coffeyville Vitrified Brick & Tile Co.
IOLA—Iola Brick Co. (Repressed, etc)
TOPEKA—Capital City Vitrified Brick & Paving Co.

KENTUCKY.

COVINGTON—Busse Brick Co.
FULTON—Bransford C. H. & Son
LEXINGTON—Lexington Brick Co.
LOUISVILLE—Southern Brick & Tile Co.
Coral Ridge Clay Products Co., Inter-Southern bldg.
MAYSVILLE—Sphar Brick Co.
NEWPORT—Newport Pressed Brick & Stone Co.

LOUISIANA.

BATON ROUGE—Baton Rouge Brick Yard
NEW ORLEANS—Salmen Brick & Lumber Co., Ltd., 3901 Carrollton

MAINE.

SACO—Saco Brick Co.
WATERVILLE—Purinton Horace Co.

MARYLAND.

BALTIMORE—Baltimore Brick Co. (Red) Maryland Trust bldg
Hydraulic-Press Brick Co. ("Hy-tex," also Ornamental), Title bldg
CUMBERLAND—Queen City Brick & Tile Co.
HAGERSTOWN—Hancock Shale Brick Co. (Colonial & Pressed)
SALISBURY—Salisbury Brick Co.

MASSACHUSETTS.

BOSTON—Boston Brick Co.
Fiske & Co. ("Tapestry," "Caledonian." All Colors & Shapes), 115 Federal
Parry Brick Co., 77 Summer
IPSWICH—Brown Walter G.
LYNN—Blakeley Geo. C. & Son (Red & Rough)
NORTHAMPTON—Bailey W. A.

MICHIGAN.

DETROIT—Clippert Geo. H. & Bro. Brick Co., 743 Virginia pk
Holmes B. F. & Co., 3rd & York
Michigan Pressed Brick Co., 480 Lawton
Puritan Brick & Tile Co., Farewell bldg
OXFORD—Michigan Pressed Brick Co.
ZEELAND—Zeeland Brick Co.

MINNESOTA.

CHASKA—Chaska Brick & Tile Co. (Sand Mould Veneers)
COON CREEK—Hydraulic-Press Brick Co. ("Hy-Tex" Works)
DRESBACH—Remp R.
MINNEAPOLIS—Hydraulic-Press Brick Co. ("Hy-tex," also Ornamental), Builders Exchange
ST. PAUL—Chaska Brick & Tile Co. (Veneer), Ryan bldg
Twin City Brick Co. (Buff, Red & Ornamental), Pioneer bldg
SHAKOPEE—Schroeder Brick & Lime Co.
SPRINGFIELD—Ochs A. C. Brick & Tile Co.

WARREN—Lundgren Edward
WRENSHALL—Hydaulic-Press Brick Co. ("Hy-tex" Works)

MISSISSIPPI.

BROOKHAVEN — Brookhaven Pressed Brick & Mfg. Co. (All Colors)
YAZOO CITY—Montgomery Land Co.

MISSOURI.

BRUNSWICK—Brunswick Brick & Tile Co.
CAPE GIRARDEAU — Cape Girardeau Press Brick Co.
DIAMOND—Hydraulic-Press Brick Co. ("Hy-tex" Works)
FESTUS—Festus Pressed Brick Co.
JACKSON—Kasten & Schmuke Pressed Brick Co.
KANSAS CITY—Buffalo Brick Co., Hydraulic-Press Brick Co. ("Hy-tex," also Ornamental), Rialto bldg.
LEXINGTON—Lexington Triumph Press Brick Co.
ST. LOUIS—Continental Brick Co. ("Continental" Cherry Red), Wright bldg
Excelsior Press Brick Co., 1010 Chestnut
Hydraulic-Press Brick Co. ("Hy-tex," also Ornamental), Central Nat. Bk. bldg. (Home Office & Works 8 Plants)
†Ittner Anthony Brick Co. (Red & Ornamental), Odd Fellows bldg
Progress Press Brick & Machine Co. (All Colors & Shapes), King's Highway, nr Arsenal
Superior Press Brick Co., 3190 S King's Highway

MONTANA.

ANACONDA—Anaconda Copper Mining Co.

NEBRASKA.

AVERY—Hydraulic-Press Brick Co. ("Hy-tex" Works)
HASTINGS—Polenske Bros., Schellak & Co.
LINCOLN—Yankee Hill Brick Mfg. Co.
OMAHA—Hydraulic-Press Brick Co. ("Hy-tex" also Ornamental)
Smith Brick Co.

NEVADA.

RENO—Reno Pressed Brick Co.

NEW HAMPSHIRE.

GONIC—Boston Brick Co.

NEW JERSEY.

HACKENSACK—Hackensack Brick Co.
LITTLE FERRY—Mehrhof Brick Co.
NEWARK—Sayre Jas. R., Jr. & Co., River
OLD BRIDGE—Old Bridge Enameled Brick & Tile Co. (Enameled)
SAYREVILLE—Sayre & Fisher Co. (See New York City)
SOUTH RIVER—Pettit & Co
South River Brick Co.
TRENTON—Donahoe & Nolan

NEW YORK.

ALBANY—Smith, Edw. J.
Jewettville Brick Co., Builders Exchange
Lyth Tile Co., 202 Pearl
Schmidt G. W., 180 Linwood av
JAMESTOWN—Jamestown Shale Paving Brick Co.

NEW YORK CITY.

Boroughs of Manhattan and Bronx.

NEW YORK—Anaconda Copper Mining Co., 25 B'way
Fiske & Co. ("Fiskiock" "Tapestry," "Caledonian," "Harvard" all Colors & Shapes), 15 W 46th
Fredenburg & Lounsbury (Mfrs. Agts), 381 4th av, New York
Sayre & Fisher Co. (Various Colors, Plain & Ornamental), 261 B'way

Borough of Richmond.

KREISCHERVILLE — Kreischer Brick Mfg. Co., (Buff, Mottled & Ornamental, All Kinds)

(End of New York City)

OLEAN—Olean Pressed Brick Co.
ROCHESTER—Rochester Composite Brick Co.
Flower City Brick Co., 446 Powers bldg.
Rochester Clay Brick & Tile Co., Dept. H

NORTH CAROLINA.

ELIZABETH CITY—Elizabeth City Brick Co.
POMONA—Pomona Terra Cotta Co.

NORTH DAKOTA.

HEBRON—Hebron Fire & Pressed Brick Co.

OHIO.

AKRON—Akron Vitrified Clay Mfg. Co.
McCausland Bros.
ALLIANCE—Alliance Brick Co.
CANTON—Belden Brick Co., 720 Tuscarawas W
Metropolitan Paving Brick Co., Canton, O.
CINCINNATI—Moores-Coney Co., St. Paul bldg
Suer B. & Sons, 1938 Duck Creek rd
Suer Herman & Sons, Marburg av & Hyde Park
CLEVELAND—Cleveland Bldrs.' Supply & Brick Co., H, Leader-News bldg
Cleveland Brick & Clay Co., B. of L. E. bldg
Hydraulic Press Brick Co., 5005 Euclid av
Ohio Clay Co. (Hollow & Face Brick)
Stowe-Fuller Refractories Co., The, Union Trust bldg
CLINTON—Belden Brick Co.
COLUMBUS—Claycraft Brick Co. ("Indian Brand" Velour, Red, Brown, Gun Metal & Chocolate)
Claycraft Mining & Brick Co., Hartman bldg
Columbus Fire & Face Brick Co., 16 So 3rd
Franklin Brick & Tile Co., 8 E Long
Hocking Valley Products Co. ("Greendale Rug")
Ironclay Brick Co.
COSHOCTON—Coshocton Brick Co. (Non-Spot, etc)
DELAWARE—Delaware Clay Mfg. Co.
HAMILTON—Hamilton Brick Co.
HANOVER—Hanover Red Pressed Brick Co.
LOGAN—Logan Clay Product Co. ("Logan," Glazed Vitrified)
McARTHUR—McArthur Brick Co. (Red, Buff, Brown, Grey, etc)
MARIETTA—Acme Brick Co.
Cisler Thos. & Co.
MASSILLON—Everhard Co.
MIDDLETOWN—Smith Wm. & Co. (Buff Only)
MINERAL CITY—Federal Clay Product Co. ("Sparta" Impervious Buff, Mottled, Flashed, Plain or Glazed)
MOGADORE—Colonial Pressed Brick Co.
NEW LEXINGTON—Central Refractories Co. ("Tex-tone" "Shawnee Flash")
New Lexington Clay Mfg. Co.
NEW STRAITSVILLE—Straitsville Impervious Brick Co.
PORTSMOUTH—Portsmouth Paving Brick Co. (Red)
ROSEVILLE—Hydraulic-Press Brick Co. ("Hy-tex," also Ornamental)
SOUTH PARK — Hydraulic-Press Brick ("Hy-tex," Works)
STRASBURG—Columbia Fire Brick Co. (Buff)
TOLEDO — Hydraulic-Press Brick Co. ("Hy-tex," also Ornamental), Ohio bldg
TORONTO—Toronto Fire Clay Co. (Buff, Vitrified)
UHRICHSVILLE—Buckeye Fireclay Co.
Evans Clay Mfg. Co.
WADSWORTH—Wadsworth Brick & Tile Co.

OKLAHOMA.

McALESTER—Choctaw Pressed Brick Co.
MANGUM—Mangum Pressed Brick Co.
SAPULPA—Sapulpa Brick Co. (Face)
Sapulpa Pressed Brick Co.

OREGON

EUGENE—Eugene Concrete Pipe Co.
PORTLAND—Kern Clay Products Co., 277 Hawthorne av
Standard Brick & Tile Co. ("Sylvan"), Worcester bldg

PENNSYLVANIA.

ALTOONA—Altoona Brick Co.
AUBURN—Auburn Shale Brick Co. (Red Shale Repressed & "Smyrna" Round Edge Face Brick)
BOSTON—Harper C. M. C.
BRADFORD—†Alumina Shale Brick Co. (Red Pressed & Ornamental)
Bradford Brick & Tile Co. ("Bradford Reds," "Bradford Buffs"), 2 Main
Bradford Pressed Brick Co. (Red) Pressed & Ornamental)
CHESTER—Fields Brick Co.
CLEARFIELD—Clearfield Clay Working Co.
Clearfield Fire Brick Co.
CONNELLSVILLE — Soisson Jos. Fire Brick Co., Dept. H
COWAN — Hydraulic-Press Brick Co. ("Hy-tex" Works)
DARLINGTON—Darlington Brick & Mining Co. (Buff & Red)
DUBOIS — Hydraulic-Press Brick Co. ("Hy-tex," also Ornamental)
FALLS CREEK—Hydraulic-Press Brick Co. ("Hy-tex" Works)
HANOVER—Snyder Edw. H.
KITTANING—Kittaning Brick & Fire Clay Co. (Buff, etc)
KUSHEQUA—Kushequa Brick Co. (Oxblood, Red, Devonshire & Repressed)
LANSDALE—Scholl Bros.
LEHIGHTON—Graver, H. A.
MILL HALL—Mill Hall Brick Wks (Red)
MONESSEN—Monessen Brick Works
NEW BRIGHTON—Fallston Fire Clay Co. (Buff, Ornamental, etc)
Ingram & Co.
NEW GALILEE—Beaver Clay Mfg. Co.
OSCEOLA MILLS—Osceola Silica & Fire Brick Co.
PATTON—Cambria Clay Co. (Smooth and Ruff Texture in Buffs, Red shale, Brown, Greys, Iron-Spots, Multi-Colored)
Good Geo. S., Fire Brick Co.
PHILADELPHIA — Hamburg Vitrified Brick Co., 20th and Sedgley
Hydraulic-Press Brick Co. ("Hy-tex," also Ornamental), Real Estate Trust bldg
Jarden Brick Co. (Red & Ornamental), Land Title bldg
Ketcham O. W., 24 S 7th
PITTSBURGH—Fallston Fire Clay Co. (Buff, Ornamental, etc), Oliver bldg
Gloninger & Co., Arrott bldg
Hay Walker Brick Co., 1214 Farmers Bank bldg
Kittaning Brick & Fire Clay Co. ("Kittaning," Buff, Grey & Mottled,
Lanz M. Brick & Tile Co., 34th & Jane (Rd)
Standard & Roman Shapes), Empire bldg
Martin Brick Co., Chamber of Commerce bldg
Pittsburgh Clay Products Co., Keenan bldg.
Vanport Brick Co., Farmers Bank bldg
Westmoreland Brick Co. (Buff), Federal Reserve bldg
Yingling Martin Brick Co. (Art Brick)
READING—Glen-Gery Shale Brick Co. (Red, etc.)
Moyer & Co.
RIDGWAY—Ridgway Brick Co. (Red, etc)
ST. MARYS—Kane Brick & Tile Co.
SCHUYLKILL HAVEN—Schuylkill Pressed Brick Co.
SHAMOKIN—Union Brick Co. (Buff & Red)

SOUTH CAROLINA.

SUMMERVILLE—Summerville Brick Co.
SUMTER—Sumter Brick Works

SOUTH DAKOTA.

SIOUX FALLS—Sioux Falls Pressed Brick Co.

TENNESSEE.

CHATTANOOGA — Chattanooga River Brick Co., W Msnry. av & Belt ry
DYERSBURG—Nichols J. M.
KINGSPORT—Kingsport Brick Corp.
NASHVILLE—Bush Building Co., 174 3rd av N
Fulcher Brick Co., Lebanon pk
South Memphis Brick Co.

TEXAS.

AUSTIN—Elgin Butler Brick & Tile Co. (Cut Wire, Brown, White, Buff, Buff-speckled and Tan Mottled)
CALAVERAS—Mackey Brick & Tile Mfg. Co.
EL PASO—El Paso Brick Co.
FERRIS—Ferris Pressed Brick Co.
Lone Star Pressed Brick Co.
FORT WORTH—Acme Brick Co.
GAINESVILLE—Gainesville Brick Co.
SAN ANTONIO—Mackey Brick & Tile Mfg. Co., San Antonio, Tex.

UTAH.

PROVO—Provo Brick & Tile Co.
SALT LAKE CITY—Salt Lake Pressed Brick Co.
Utah Fire Clay Co.

VIRGINIA.

LYNCHBURG—Adams Bros. Paynes Co., 709 Main
NORFOLK—Lawrenceville Brick & Tile Co.
Nansemond River Brick & Tile Co.

WASHINGTON.

SEATTLE—Abrahamson A. Brick Co.
Denny-Renton Clay & Coal Co. (Plain & Ornamental)
SPOKANE—American Fire Brick Co. (Mica Dry Pressed Brick Yards)
Washington Brick, Lime & Sewer Pipe Co. (White & Cream Face Brick & Repressed Brick)

WEST VIRGINIA.

ELKINS—Elkins Brick Co.
NEW CUMBERLAND—Mack Mfg. Co. (Vitrified)

WISCONSIN.

BARRON—Barron Red Pressed Brick Co
JANESVILLE—Freese Bros.
JEFFERSON—Jefferson Brick & Tile Mfg. Co.
RACINE—Hilker Bros. Brick Mfg. Co.
STEVENS POINT—Langenberg Wm. E.

1425— Brick (Fire)

ALABAMA.

BIRMINGHAM—**ALABAMA CLAY PRODUCTS CO.** ("Excelsior"), 600-614 Farley bldg

CALIFORNIA.

FRESNO—Croycroft-McKnight Brick Co., Matter bldg
LIVERMORE—Livermore Fire Brick Co.

(Continued on following page)

Brick (Fire)—Continued

CALIFORNIA—Continued
LOS ANGELES—Atlas Fire Brick Co., Box 938 Huntington Park
Los Angeles Pressed Brick Co., Frost bldg
St. Louis Fire Brick & Clay Co.
Vitrefrax Co. Inc. ("Argon" & "Vitrefrax"), 51st & Pacific blvd
NILES—Livermore Fire Brick Works
NORTH SACRAMENTO—Cannon & Co.
SAN FRANCISCO—Clark N. & Sons, 116 Natoma
Funsten Clay Products Co., 55 New Montgomery
Gladding, McBean & Co., Crocker bldg
Ione Firebrick Co., Rialto bldg
Livermore Fire Brick Works, 604 Mission
Pratt Building Material Co., Hearst bldg
Stockton Fire Brick Co. ("Carnegie" & "Gasco"), Rialto bldg
United Materials Co., 618 Mission
STOCKTON—Stockton Fire Brick Co.

COLORADO.

CANON CITY—Diamond Fire Brick Co.
DENVER—Denver Fire Clay Co.
Denver Pressed Brick Co.
Denver Sewer Pipe & Clay Co.
PUEBLO—Standard Fire Brick Co.

CONNECTICUT.

NEW HAVEN—Howard Co.
Stow Silas J. ("Stows" Patent)

DELAWARE.

NEWPORT—Kiamensi Clay Co.
WILMINGTON—Delaware Terra Cotta Co., 819 Shipley
Kiamensi Clay Co.

GEORGIA.

MACON—Dixie Fireproofing Co.
MILLEDGEVILLE—Oconee Brick & Tile Co.
TIFFON—Tift Silica Brick Co.

IDAHO.

MOSCOW—Moscow Fire Brick & Clay Products Co.
TROY—Idaho Fire Brick Co.

ILLINOIS.

CHICAGO—Chicago Fire Brick Co., 133 W Washington
Chicago Retort & Fire Brick Co. ("Ajax," "Sterling," "Superior," "Ottawa"), 208 S La Salle
Dee Wm. E. Co., 30 N La Salle
Garden City Sand Co., Chamber of Commerce bldg, Chicago, Ill.
Jointless Fire Brick Co., 1130 Clay
Moulding Thos. Brick Co. ("Buckeye," "Southern"), 133 W Washington
National Fireproofing Co., 327 S La Salle
Obermayer, S., Co., 2563 W 18th
Southern Fire Brick & Clay Co., 133 W Washington
ROCK ISLAND—Argillo Works

INDIANA.

BRAZIL—McNutt & McConnell Co.
FORT WAYNE—Moellering's Wm. Sons
Western Gas Construction Co., 1431 Buchanan
HILLSDALE—Lanyon D. N.
LOOGOOTEE—Loogootee Fire Clay Prods. Co.
MONTEZUMA—Burns & Hancock Fire Brick & Clay Co.

IOWA.

MASON CITY—Mason City Clay Works

KENTUCKY.

ASHLAND—Ashland Fire Brick Co.

ASHLAND FIRE BRICK CO.
Three Plants Manufacturing
HIGH GRADE FIRE BRICK
Exclusively from the Highly refractory Kentucky Flint and Semi Flint Fire Clay.
Incorporated 1886
Ashland Kentucky

HIGHLAND PARK—Louisville Fire Brick Works
LOUISVILLE—Bannon P. Pipe Co.
Louisville Fire Brick Works
OLIVE HILL—General Refractories Co.

MAINE.

PORTLAND—Winslow & Co.

MARYLAND.

BALTIMORE—Baltimore Retort & Fire Brick Co.
Union Mining Co. ("Mt. Savage," "Umimco," "Carburetor," "Refracto"), Fidelity bldg
FROSTBURG—Big Savage Fire Brick Co.
Savage Mountain Fire Brick Co.
NORTH EAST—Green Hill Fire Brick Co.
North East Fire Brick Co.
SALISBURY—Salisbury Brick Co.

MASSACHUSETTS.

BOSTON—Eastern Clay Goods Co., 141 Milk
Fiske & Co., 115 Federal
DIGHTON—Dighton Stove Lining Co.
SPRINGFIELD—Springfield Facing Co. (Jobbers), 315 Main
See adv index at end of book

RAMTITE
The Plastic Monolithic Furnace Lining
SPRINGFIELD FACING COMPANY
315 Main St., Springfield, Mass.

TAUNTON—Presbrey Stove Lining Co.
Union Stove Lining Co.
Williams Stove Lining Co.

MICHIGAN.

DETROIT—Bellevue Furnace Co., 2971 Bellevue av
Holcroft & Co., Book bldg
Woodison E. J. Co., 7415 St. Aubin
IONIA—Ionia Pottery Co.

MISSOURI.

FARBER—Farber Fire Brick Co. ("Farber Mo. Grade")
FULTON—Fulton Fire Brick Co.
KANSAS CITY—Dickey W. S. Clay Mfg. Co., N. Y. Life bldg
Hydraulic Press Brick Co., Rialto bldg, Kansas City, Mo.
MEXICO—Green A. P. Fire Brick Co.
ST. LOUIS—Evens & Howard Fire Brick Co, 920 Market
Hydraulic Press Brick Co. ("Hy-tex," "Hy-brand"), Central Natl. Bank bldg
Laclede-Christy Clay Products Co., Railway Exchange bldg
Mississippi Glass Co., 4070 N Main
Missouri Fire Brick Co., Security bldg
Mitchell Clay Mfg. Co., 5627 Manchester av
Parker-Russell Mining & Mfg. Co., 3300 Morganford rd
St. Louis Vitrified & Fire Brick Co., Wainwright bldg
Walsh Fire Clay Products Co., 4070 No Main

NEBRASKA.

BEATRICE—Beatrice Brick Works

NEW JERSEY.

CAMDEN—Reeves Augustus
JERSEY CITY—Gautier J. H. & Co., 1 Greene
MAURER—Maurer Henry & Son (All Kinds for Steel, Iron, Copper & Glass Works, Blast Furnaces, Rolling Mills, etc)
NEWARK—Sayre Jas. R. Jr. & Co., River
PERTH AMBOY—Seaboard Refractories Co.
Seaboard Refractories Co.
Ostrander Fire Brick Co.
SAYREVILLE—Sayre & Fisher Co. (see New York City)
SOUTH AMBOY—South Amboy Terra Cotta Co.
TRENTON—Chambers A. Reeder
Sneyd Enameled Brick Co.
Trenton Fire Clay & Porcelain Co.
WOODBRIDGE—Berry James E.
Mutton Hollow Fire Brick Co.
Valentine M. D. & Bro. Co.

NEW MEXICO.

ANCHO—Ancho Brick Co.

NEW YORK.

BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—Hall & Sons, 69 Tonawanda

For bonding and repairing fire clay or silica brick work, tile and retorts, lining ladles, making rammed-in linings, etc.
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The High Temperature Refractory Plastic Cement
Quigley Furnace Specialties Co.
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NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Brooklyn Fire Brick Works, 88 Van Dyke
Greenpoint Fire Brick Co., 375 Borden

Boroughs of Manhattan and Bronx.

NEW YORK—American Arch Co., 17 E 42nd
American Enameled Brick & Tile Co., 52 Vanderbilt av
Atlantic Terra Cotta Co., 1170 B'way
GARFIELD FIRE CLAY CO., 43 Cedar
General Refractories Co., 40 Rector
Hoffman Chas. V. Co., Inc. ("Al Siv"), 235 W 42nd
Marcy Stove Repair Co., 74 Beekman
Maurer Henry & Son (All Kinds for Steel, Iron Copper & Glass Works, Blast Furnaces Rolling Mills, etc), 420 E 23d *See adv index at end of book*

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Also Hollow Tile Fireproofing

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Ostrander Fire Brick Co., 13 Park Row
Sayre & Fisher Co. (For All Purposes), 261 B'way

Borough of Richmond.

KREISCHERVILLE—Kreischer Brick Mfg. Co.

(End of New York City)

ROME—Betson Plastic Fire Brick Co. ("Betson Plastic," "Hicarb")
SYRACUSE—Robinson Clay Product Co.
TROY—McLEOD & HENRY CO. ("Steel Fixture" High Grade), 360 1st
Ostrander Fire Brick Co.

NORTH CAROLINA.

POMONA—Pomona Terra Cotta Co.

NORTH DAKOTA.

DICKINSON—Dickinson Fire & Pressed Brick Co.

OHIO.

AKRON—American Sewer Pipe Co.
Robinson Clay Product Co.
CANTON—Belden Brick Co., 720 Tuscarawas W
C. & B. Clay Co., Canton, O.
CINCINNATI—Taylor Chas. Sons Co. (& Fire Tile), 2062 Reading
Metropolitan Paving Brick Co., Canton, O.
CLEVELAND—Dover Fire Brick Co., Cuyahoga bldg
Shepard J. J., 1078 River av N. W.
Stowe-Fuller Refractories Co. (The), ("Aluminite"), Union Trust bldg
COLUMBUS—Claycraft Brick Co. ("Indian Brand")
Claycraft Mining & Brick Co., Hartman bldg
Columbus Fire & Face Brick Co., 16 So. 3rd
Keener Sand & Clay Co., Hartman bldg, Columbus, O.
DELAWARE—Delaware Clay Mfg. Co.
EMPIRE—Standard Fire Brick Co.
Stratton Fire Clay Co.
IRONDALE—East Ohio Sewer Pipe Co.
Standard Fire Brick Co.
IRONTON—Ashland Fire Brick Co.
Ironton Fire Brick Co. ("Ironton Steel")
LOGAN—Logan Clay Product Co.
MAGNOLIA—Greer-Beatty Clay Co.
MALVERN—Malvern Fire Clay Co.
MARIETTA—Cisler Thos. & Co.
MASSILLON—Everhard Co.
Massillon Stone & Fire Brick Co.
NEW LEXINGTON—Central Refractories Co. ("Halo," "Hyfire")
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OAK HILL—Aetna Fire Brick Co.
Davis Fire Brick Co.
Diamond Brick Co. (Wire Cut)
Oak Hill Fire Brick & Coal Co.
Ohio Fire Brick Co.
Pyro Clay Products Co. ("Pyro-Steel")

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Kentucky Fire Brick Co. ("Imperial" Steel)
PORTSMOUTH REFRACTORIES CO., THE *See adv index at end of book*
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STRASBURG—Columbia Fire Brick Co.
Dover Fire Brick Co.
TOLEDO—Toledo Vitrified Brick Co., 622 Madison av
TORONTO—Toronto Fire Clay Co.
UHRICHSVILLE—Buckeye Fireclay Co.
Robinson & Son Sewer Pipe Co.,

OREGON

PORTLAND—Monarch Fire Clay Co., Linnton rd

PENNSYLVANIA.

BEECH CREEK—Penna. Fire Brick Co.
BOLIVAR—Gardner Jas. Jr. Co.
Soisson Joseph Fire Brick Co.
Vulcan Refractories Co.
CATASAUQUA—Lehigh Fire Brick Works
CLAYSBURG—Standard Refractories Co. (Silica)
CLEARFIELD—Clearfield Fire Brick Co.
Climax Fire Brick Co. (Refractory Climax), Clarion Co., Pa.
CONNELLSVILLE — Soisson Jos. Fire Brick Co.
COURTNEY—Courtney Firebrick Co.
CURWENSVILLE — Bickford Fire Brick Co.
Crescent Refractories Co.
DARLINGTON—Darlington Brick & Mining Co.
DUBOIS—DuBois Clay Mfg. Co.
DUNBAR—United Fire Brick Co.
EMPORIUM—Cameron Clay Prods. Co
GLEASONTON—North Bend Fire Brick Co.
JOHNSTOWN—Swank's Hiram Sons
LATROBE—McFeely Brick Co.
LAYTON—Kier Fire Brick Co.
LOCK HAVEN—Queen's Run Fire Brick Co.
Queen's Run Fire Brick Co.
LOCKPORT STATION — Gardner James Jr. Co.
MEYERSDALE—Savage Fire Brick Co.
MILL HALL—Mill Hall Brick Works
MONACA—Welch-Bright Co.
MONONGAHELA — Courtney Fire Brick Co.
MOUNT BRADDOCK—Eureka Fire Brick Works
NEW BRIGHTON—Brighton Fire Brick Co.
Fallston Fire Clay Co.
Ingram & Co.
Smith A. F. Co.
Standard Fire Clay Co.
NEWCASTLE—Newcastle Portland Cement Co.
ORVISTON—Hayes Run Fire Brick Co. (Difficult Shapes a Specialty)
OSCEOLA MILLS—Osceola Silica & Fire Brick Co.
PATTON—Cambria Clay Co.
Good, Geo. S., Fire Brick Co.
Patton Clay Mfg. Co.
PHILADELPHIA—Borgner Cyrus Co., Drexel bldg
Foote Mineral Co., 109 N 19th
General Refractories Co., 117 S 16th
Hydraulic Press Brick Co., Real Estate Trust bldg.
Hyzer & Lewellen, 952 N 9th
Lavino E. J. & Co., H, Bullitt bldg
Mohr J. J. & Son, H, Bullitt bldg
National Fire Proofing Co., Land Title bldg
Phila. Fire Brick Works, 2306 Vine
Remmey Rich. C. Son Co., Hedley & Delaware
PITTSBURGH—Blackfox Brick Co., 7 Wood
Fallston Fire Clay Co., Oliver bldg
Gloninger & Gloninger (North Savage)
Harbison-Walker Refractories Co. (All Kinds & Shapes for All Purposes), Farmers' Bank bldg
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See adv index at end of book

ESTABLISHED 1845
THE KIER FIRE BRICK COMPANY
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Manufacturers of High Heat Duty Fire Brick, and Silica Brick, also shippers of Ganister. Salina Brand Fire Brick have given the best of service for years and are made of best selected Pennsylvania clays.
We specialize on silica brick for glass furnaces and heating furnaces.

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Manown Mfg. Co. (Also Sleeves, Nozzles & Runner, etc, for Open Hearth & Bessemer Steel Works etc), Oliver bldg
Pittsburgh Clay Product Co., Keenan bldg
Savage Mountain Fire Brick Co., 2nd National Bank bldg
Standard Firebrick Co., Diamond Bank bldg
Vanport Brick Co., Farmers Bk bldg
West Virginia Fire Clay Mfg. Co., Diamond Bank bldg
READING—Fox E. S. & Co.
Reading Fire Brick Works
RENOVA—West Branch Fire Brick Co.
ROBINSON—Garfield Fire Clay Co. (Also Sleeves, Nozzles & Runner, etc, for Open Hearth & Bessemer Steel Works, etc)
ROYERSFORD—Rogers & Co.
Thomas, Buckwalter & Co.
ST. MARYS—Elk Fire Brick Co.
SALINA—Kier Firebrick Co.
SCRANTON—Wagner Fire Brick Co., Scranton, Pa.
SHARON—Sharon Fire Brick Co.
SNOW SHOE—Snow Shoe Fire Brick Co.
SOUTH FORK—South Fork Fire Brick Co.
WILLIAMS—Savage Fire Brick Co.
WILLIAMSPORT—Burns Fire Brick Co.
YORK—Barnitz Geo. A.

TENNESSEE.

CHATTANOOGA — Chattanooga Sewer Pipe Works, W 11th & Cross
Walsh & Weidner Boiler Co.
Jackson Fire Brick Co.

TEXAS.

ATHENS—Athens Brick & Tile Co.
AUSTIN—Elgin Butler Brick & Tile Co.

UTAH.

OGDEN—Ogden Sewer Pipe & Clay Co.
SALT LAKE CITY—Utah Fire Clay Co.

VERMONT.

RUTLAND—Rutland Fire Clay Co. ("Rutland")

WASHINGTON.

CHEHALIS—Chehalis Brick & Tile Co.
SEATTLE—Denny-Renton Clay & Coal Co
SPOKANE—American Fire Brick Co., 1102 Monroe
Washington Brick, Lime & Sewer Pipe Co.

WEST VIRGINIA.

CLARKSBURG—Thornton Fire Brick Co.
FAIRMONT—Hammond Fire Brick Co.
GRAFTON—Thornton Fire Brick Co.
NEW CUMBERLAND—Acme Fire Clay Works
Claymont Brick Works
Freeman Fire Brick Co.
Mack Mfg. Co.
PIEDMONT—Potomac Fire Brick Co.
THORNTON—Thornton Fire Brick Co.

1426— Brick (Fire Flashed)

Claycraft Mining & Brick Co., Hartman bldg, Columbus, O.
Federal Clay Product Co., Mineral City, O.
Garfield Fire Clay Co., 43 Cedar, New York
Golden Fire Brick Co., 1936 15th, Denver, Col.
Hocking Valley Products Co., Columbus, O.
Hydraulic-Press Brick Co. ("Hy-tex"), Central Nat Bank bldg, St. Louis, Mo.
Ironclay Brick Co. ("Ironclay"), Columbus, O.
Portsmouth Refractories Co., The, Portsmouth, Ohio *See adv index at end of book*
Progress Press Brick & Machine Co., King's Highway nr Arsenal, St. Louis, Mo.
Sayre & Fisher Co., 261 Broadway, N. Y.

1427— Brick (Forging Furnace)

Chicago Fire Brick Co., 133 W. Washington, Chicago, Ill.
Garfield Fire Clay Co., 43 Cedar, New York
Littleford Bros., 444 E Pearl, Cincinnati, Ohio *See adv index at end of book*
MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Moulding Thos. Brick Co., 133 W Washington, Chicago, Ill.
Portsmouth Refractories Co., The, Portsmouth, Ohio *See adv index at end of book*
Standard Refractories Co., Claysburg, Pa.

1428-9— Brick (Foundry)

Chicago Fire Brick Co., 133 W. Washington, Chicago, Ill.
Garfield Fire Clay Co., 43 Cedar, New York
Moulding Thos. Brick Co., 133 W Washington, Chicago, Ill.
PORTSMOUTH REFRACTORIES CO., THE, Portsmouth, Ohio *See adv index at end of book*
Standard Refractories Co., Claysburg, Pa.
Washington Brick, Lime & Sewer Pipe Co. ("Waco"), Spokane, Wash.

1430-1-2— Brick (Furnace Arch & Roof)

Chicago Fire Brick Co., 133 W. Washington, Chicago, Ill.
Garfield Fire Clay Co., 43 Cedar, New York
Hydraulic Press Brick Co., Central Natl. Bank bldg, St. Louis, Mo.
Johnetta Brick Co., 1203H Chamber of Commerce bldg., Pittsburgh, Pa.
McLEOD & HENRY CO., 360 1st, Troy, N. Y.
Moulding Thos. Brick Co., 133 W Washington, Chicago, Ill.
PORTSMOUTH REFRACTORIES CO. THE, Portsmouth, Ohio *See adv index at end of book*
Standard Refractories Co., Claysburg, Pa.
Vitrefrax Co. Inc., 51st & Pacific blvd. Los Angeles, Cal.
Washington Brick, Lime & Sewer Pipe Co. ("Waco"), Spokane, Wash.

1433-4—Brick (Glass Furnace & Tank)

Ashland Fire Brick Co., Ashland, Ky.
Bickford Fire Brick Co., Curwensville, Pa.
Chicago Fire Brick Co., 133 W. Washington, Chicago, Ill.
Garfield Fire Clay Co., 43 Cedar, New York
Gill Clay Pot Co., Muncie, Ind.
Harbison-Walker Refractories Co. (Silica), Farmers' Bank bldg, Pittsburgh, Pa.
Hydraulic Press Brick Co., Central Natl. Bank bldg, St. Louis, Mo.
KIER FIRE BRICK CO. (THE), 2241 Oliver bldg, Pittsburgh, Pa. *See adv index at end of book*

(Continued on following page)

Brick (Glass Furnace & Tank)—Continued

Moulding Thos. Brick Co., 133 W Washington, Chicago, Ill.
Portsmouth Refractories Co., Portsmouth, Ohio
See adv index at end of book
Standard Refractories Co., Claysburg, Pa.
Walsh Fire Clay Products Co., 4070 No Main, St. Louis, Mo.

1435-6— Brick (Glazed)

American Enameled Brick & Tile Co., 52 Vanderbilt av, New York
Atlantic Terra Cotta Co., 1170 B'way, New York
Claycraft Mining & Brick Co., Hartman bldg, Columbus, O.
Federal Clay Product Co., Mineral City, O.
Funsten Clay Products Co., 55 New Montgomery, San Francisco, Cal.
Garfield Fire Clay Co., 43 Cedar, New York
Hydraulic-Press Brick Co. ("Hy-Tex"), Board of Trade bldg, Indianapolis, Ind.
Livermore Fire Brick Works, 604 Mission, San Francisco, Cal.
Logan Clay Products Co. (Vitrified, Encaustic & Rock Faced), Logan, O.
Los Angeles Pressed Brick Co., 145 S Spring, Los Angeles, Cal.
Markley Geo. J., Mineral City, O.

1437—Brick (Heating Furnace)

Garfield Fire Clay Co., 43 Cedar, New York
Golden Fire Brick Co., Denver, Colo.
Hydraulic Press Brick Co., Central Natl Bank bldg, St. Louis, Mo.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Moulding Thos. Brick Co., 133 W Washington, Chicago, Ill.
Portsmouth Refractories Co., The, Portsmouth, Ohio
See adv index at end of book
Standard Refractories Co., Claysburg, Pa.

1438-9— Brick (Hollow)

American Brick & Tile Co., Mason City, Ia.
Brazil Clay Co., Brazil, Ind.
Chaska Brick & Tile Co., Ryan bldg, St. Paul, Minn.
Chicago Fire Brick Co., 133 W. Washington, Chicago, Ill.
Coral Ridge Clay Products Co., Inter-Southern bldg., Louisville, Ky.
Denver Sewer Pipe & Clay Co., Denver, Col.
Diamond Brick Co., Oak Hill, O.
Far West Clay Co., Tacoma, Wash.
Franklin Brick & Tile Co., Ferris bldg, Columbus, Ohio
Funsten Clay Products Co., 55 New Montgomery, San Francisco, Cal.
Flower City Brick Co., 446 Powers bldg., Rochester, N. Y.
Gladding, McBean & Co., Crocker bldg, San Francisco, Cal. Works: Lincoln, Cal.
Golden Fire Brick Co., Denver, Colo.
Hanover Brick Co., Morristown, N. J.
Klein C. H. Brick Co., Chaska, Minn.
McEwing & Thomas Clay Products Co., Fullerton bldg, St. Louis, Mo.
Mason City Brick & Tile Co., Mason City, Iowa
Mason City Clay Works, Mason City, Ia.
MAURER HENRY & SON, 420 E 23rd, New York *See adv index at end of book*
Merwin C. P. Brick Co., Berlin, Conn.
National Stone-Tile Co. ("Stone-Tile") 625 Market, San Francisco, Cal.
Ochs A. C. Brick & Tile Co., Springfield, Minn.
Parker-Russell Mining & Mfg. Co., 3300 Morganford rd, St. Louis, Mo.
Sayre & Fisher Co., 261 B'way, New York
Sioux City Brick & Tile Co., Sioux City, Iowa
Standard Brick Co., Macon, Ga.
Troy Fireproofing Co., Troy, N. Y.
Whittacre-Greer Fire Proofing Co., Waynesburg, Ohio

1440— Brick (Ladle)

Chicago Fire Brick Co., 133 W. Washington, Chicago, Ill.
Crescent Refractories Co., Curwensville, Pa.
Hydraulic Press Brick Co., Central Natl. Bank bldg, St. Louis, Mo.
Manning Maxwell & Moore, Inc. (Hancock Inspirator Co. & Hayden Derby Mfg.) Co., Divisons), 100 E. 42nd, New York.
See adv index at end of book
Moulding Thos. Brick Co., 133 W Washington, Chicago, Ill.
Stowe-Fuller Refractories Co. (The), Union Trust bldg, Cleveland, Ohio

1441— Brick (Lead Softening Furnace)

MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Moulding Thos. Brick Co., 133 W Washington, Chicago, Ill.

1442— Brick (Lime Kiln)

Ashland Fire Brick Co., Ashland, Ky.
Bickford Fire Brick Co., Curwensville, Pa
Brighton Fire Brick Co., New Brighton Pa.
Chicago Fire Brick Co., 133 W. Washington, Chicago, Ill.
Crescent Refractories Co., Curwensville, Pa.
Garfield Fire Clay Co., 43 Cedar, New York.
Harbison-Walker Refractories Co., Farmers' Bank bldg, Pittsburgh, Pa.
Hydraulic Press Brick Co., Central Natl. Bank bldg, St. Louis, Mo.
Kier Fire Brick Co. (The), 2241 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book
Maurer Henry & Son, 420 E 23d, New York *See adv index at end of book*
Moulding Thos. Brick Co., 133 W Washington, Chicago, Ill.
Portsmouth Refractories Co., Portsmouth, Ohio
See adv index at end of book
Southern Fire Brick & Clay Co., 133 W Washington, Chicago, Ill.
Standard Refractories Co., Claysburg, Pa.

Brick (Locomotive Arch)

See Locomotive Tiles

1443— Brick (Magnesia)

General Refractories Co., 117 S 16th, Phila., Pa.
Harbison-Walker Refractories Co., Farmers' Bank bldg, Pittsburgh, Pa.
Vitrefrax Co. Inc ("Diamel"), 51st and Pacific blvd, Los Angeles, Cal.

1444— Brick (Magnesite)

Atkins, Kroll & Co., 260 California, San Francisco, Cal.
Harbison-Walker Refractories Co., Farmers' Bank bldg, Pittsburgh, Pa.
Lavino E. J. & Co., H, Bullitt bldg, Philadelphia, Pa.
Phoenix Iron Co. ("Metalcase"), 22 S 15th, Phila., Pa.
Standard Fire Brick Co., Pueblo, Col.
Stowe-Fuller Refractories Co. (The), Union Trust bldg, Cleveland, Ohio
Utah Fire Clay Co., Salt Lake City, Utah

1445—Brick (Malleable Furnace Shapes)

Bickford Fire Brick Co., Curwensville, Pa.
Chicago Fire Brick Co., 133 W. Washington, Chicago, Ill.
Crescent Refractories Co., Curwensville, Pa.
Evens & Howard Fire Brick Co., 920 Market, St. Louis, Mo.
Garfield Fire Clay Co., 43 Cedar, New York.
Harbison-Walker Refractories Co., Farmers' Bank bldg, Pittsburgh, Pa.
Hydraulic Press Brick Co., Central Natl. Bank bldg, St. Louis, Mo.
Moulding Thos. Brick Co., 133 W Washington, Chicago, Ill.
Pennsylvania Fire Brick Co., Beech Creek, Pa.
Portsmouth Refractories Co. The, Portsmouth, Ohio
See adv index at end of book
Stowe-Fuller Refractories Co. (The), Union Trust bldg, Cleveland, Ohio

1446-7— Brick (Oil Heating Furnace)

Ashland Fire Brick Co., Ashland, Ky.
Chicago Fire Brick Co., 133 W. Washington, Chicago, Ill.
Garfield Fire Clay Co., 43 Cedar, New York
Crescent Refractories Co., Curwensville, Pa.
Hydraulic Press Brick Co., Central Natl. Bank bldg, St. Louis, Mo.
Moulding Thos. Brick Co., 133 W Washington, Chicago, Ill.

1448— Brick (Pompeiian)

Firms indicated by a (†) in front of their name manufacture both Standard and Roman sizes

Everhard Co. (Mottled, etc), Massillon, O.
†Fallston Fire Clay Co. (Mottled & Ornamental), Oliver bldg, Pittsburgh, Pa.
Federal Clay Product Co., The (Mottled & Ornamental), Mineral City, O.
Gloninger & Co., Arrott bldg, Pittsburgh, Pa.
Golden Fire Brick Co. (Mottled & Ornamental), 1936 15th, Denver, Colo.
†Ironclay Brick Co., Columbus, O.
†Jarden Brick Co. (Mottled & Ornamental), Land Title bldg, Phila., Pa.
Kreischer Brick Mfg. Co., Kreischerville, S. I., N. Y.
La Salle Pressed Brick Co., La Salle, Ill.
Powhattan Clay Mfg. Co., Richmond, Va.;
†Progress Press Brick & Machine Co. (Also Ornamental), Kingshighway nr Arsenal, St. Louis, Mo.
Vanport Brick Co. (Standard Shapes Only), Farmers Bank bldg, Pittsburgh, Pa.

1449— Brick (Porcelain)

Sayre & Fisher Co. (Dull Finish, White), 261 B'way, New York

1450— Brick (Pottery Kiln)

Chicago Fire Brick Co., 133 W. Washington, Chicago, Ill.
Crescent Refractories Co., Curwensville, Pa.
Garfield Fire Clay Co., 43 Cedar, New York
Moulding Thos. Brick Co., 133 W Washington, Chicago, Ill.

1451—Brick (Puddling Furnace)

Chicago Fire Brick Co., 133 W. Washington, Chicago, Ill.
Crescent Refractories Co., Curwensville, Pa.
Garfield Fire Clay Co., 43 Cedar, New York
Moulding Thos. Brick Co., 133 W Washington, Chicago, Ill.

1452— Brick (Radial)

Cleveland Bldrs.' Supply & Brick Co., H, Leader-News bldg, Cleveland, Ohio
Heinicke H. B. Inc., 147 4th av, New York
See adv index at end of book
Hydraulic Press Brick Co., Central Natl. Bank bldg, St. Louis, Mo.
Kittanning Brick & Fire Clay Co., H, Empire bldg, Pittsburgh, Pa.
Red Wing Sewer Pipe Co. (Interlock), Red Wing, Minn.

1453—Brick (Regenerator or Checker)

Crescent Refractories Co., Curwensville, Pa.
Garfield Fire Clay Co., 43 Cedar, New York
Hydraulic Press Brick Co., Central Natl. Bank bldg, St. Louis, Mo.
Maurer Henry & Son, 420 E 23rd, New York *See adv index at end of book*
Moulding Thos. Brick Co., 133 W Washington, Chicago, Ill.

Brick (Rock Faced)

See Steel Brick & Rock Face Siding

1454— Brick (Rotary Kiln)

Crescent Refractories Co., Curwensville, Pa.
Dickey W. S., Clay Mfg. Co., Kansas City, Mo.
Garfield Fire Clay Co., 43 Cedar, New York.
Hydraulic Press Brick Co., Central Natl. Bank bldg, St. Louis, Mo.
Livermore Fire Brick Works, 604 Mission, San Francisco, Cal.
Moulding Thos. Brick Co., 133 W Washington, Chicago, Ill.
Portsmouth Refractories Co., Portsmouth, Ohio *See adv index at end of book*

1454a— *Brick (Salt Glazed)

Hocking Valley Fire Clay Co., Nelsonville, O.
Hydraulic Press Brick Co., Central Natl. Bank bldg, St. Louis, Mo.
Stark Brick Co., Canton, Ohio

1455-6— Brick (Sand Lime)

See also Brick, Common

Acme Brick Co., Milwaukee, Wis.
Allegheny Slag Products Co., Buena Vista, Va.
Atlas Brick Co., El Paso, Tex.
Belt Line Brick Co., Builders Ex, Minneapolis, Minn.
Bond Sandstone Brick Co., Lake Helen, Fla.
Brown Stone Store Co., Waltonville, Pa.
Buffalo Sandstone Brick Co., 195 Fime., Buffalo, N. Y.
Crume Brick Co., Dayton, O.
Federal Carbonic Brick Co., Detroit, Mich.
Flood & Hall Inc., Detroit, Mich.
Grande Brick Co., Grand Rapids, Mich.
Granite Brick Co., Michigan City, Ind.
Hummelstown Brownstone Co., Waltonville, Pa.
Indian Sand Lime Brick Co., Greenfield, Ind.
Jackson-Lansing Brick Co., River Junction, Mich.
Lake Superior Stone Brick Co., Calumet, Mich.
Menominee Brick Co., Menominee, Mich.
Michigan Pressed Brick Co., 480 Lawton, Detroit, Mich.
Minneapolis Sand-Lime Brick Co., 307 Kasota, Minneapolis, Minn.
Mt. Gretna Brownstone Co., Lebanon, Pa.
Mouse River Brick Co., Denbigh, N. D.
National Brick Co., Spokane, Wash.
North Indiana Brick Co., Michigan City, Ind.
Ohlemacher Brick Co., Michigan City, Ind.
Paragon Plaster Co., 300 W Water, Syracuse, N. Y.
Penbryn Brick Co., Bridgeton, N. J.
Plant City Composite Brick Co., Plant City, Fla.
Rochester Composite Brick Co., Rochester, N. Y.
Rochester Sand & Brick Co., Rochester, N. Y.
Saginaw Brick Co., Saginaw, Mich.
San Antonio Sand Lime Brick Co., San Antonio, Tex.

Sand Lime Brick Co., Boise, Idaho
Sebewaing Sandstone Brick Co., Sebewaing, Mich.
Sioux Falls Pressed Brick Co., Sioux Falls, S. D.
South Michigan Brick Co., Kalamazoo, Mich.
Tift Silicate Brick & Stone Co., Albany, Ga.
Watertown Brick Co., Watertown, S. D.
Winchester Granite Brick Co., Winchester, Ky.
Wisconsin Brick Co., Madison, Wis.

1457-8— Brick (Silica)

American Refractories Co., Union Arcade bldg, Pittsburgh, Pa.
Atkins, Kroll & Co., 260 California, San Francisco, Cal.
Blackfox Brick Co. ("B. F. R."), 7 Wood, Pittsburgh, Pa.
Diamond Fire Brick Co., Canon City, Col.
Everhard Co., Massillon, O.
Garfield Fire Clay Co., 43 Cedar, New York.
General Refractories Co., 117 S 16th, Phila., Pa.
Golden Fire Brick Co., Denver, Col.
Harbison-Walker Refractories Co., Farmers' Bank bldg., Pittsburgh, Pa.
Hoffman Chas. V. Co. Inc., 95 Liberty, New York
KIER FIRE BRICK CO. (THE) ("Yough," "Lyon"), 2241 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book
Lavino E. J. & Co., H, Bullitt bldg, Phila., Pa.
McFeeley Brick Co., 1st Nat'l Bank bldg, Pittsburgh, Pa.
Niles Fire Brick Co., Niles, O.
Osceola Silica & Fire Brick Co., Osceola Mills, Pa.
Soisson Jos., Fire Brick Co., Connellsville, Pa.
Standard Fire Brick Co., Pueblo, Col.
Standard Refractories Co. ("Standard" Fire), Claysburg, Pa.
Stowe-Fuller Refractories Co. (The), Union Trust bldg, Cleveland, Ohio
Tift Silica Brick Co., Tifton, Ga.
Utah Fire Clay Co., Salt Lake City, Utah

1459-60-1-2-3—Brick (Soaking Pit)

Chicago Fire Brick Co., 133 W. Washington, Chicago, Ill.
Crescent Refractories Co., Curwensville, Pa.
Garfield Fire Clay Co., 43 Cedar, New York
Moulding Thos. Brick Co., 133 W Washington, Chicago, Ill.

Brick (Stove Lining)

See Stove Linings

1464-5 Brick (Velvet)

Claycraft Mining & Brick Co., Columbus, O.

1466—Brick (Vitrified Paving)

Firms Indicated by a (*) Star, also Manufacture Paving Blocks

ALABAMA.

COALDALE—*Southern Clay Mfg. Co (See Chattanooga, Tenn.)

ARKANSAS.

LITTLE ROCK—*Arkansas Brick & Mfg. Co.

CALIFORNIA.

NILES—*California Brick Co.
SAN FRANCISCO—Cal. Brick Co., 604 Mission

COLORADO.

DENVER—Denver Sewer Pipe & Clay Co.

GEORGIA.

AUGUSTA—Georgia Vitrified Brick & Clay Co.

ILLINOIS.

ALBION—*Albion Vitrified Brick Co.
Albion Shade Brick Co.
ALTON—Alton Brick Co.
CHAMPAIGN—Sheldon Brick & Building Supply Co.
CHICAGO—Dee Wm. E. Co., 30 N La Salle
Garden City Sand Co., Chamber of Commerce bldg
Moulding Thos Brick Co., 133 W Washington
DANVILLE—*Danville Brick Co.
EDWARDSVILLE—Banner Clay Works
GALESBURG—*Purington Paving Brick Co
MURPHYSBORO — Murphysboro Paving Brick Co.
PEORIA—Peoria Brick & Tile Co.
Carter, F. R.
SPRINGFIELD—Springfield Paving Brick Co.
STREATOR—*Barr Clay Co.
Streator Clay Mfg. Co.

INDIANA.

ATTICA—*Poston Clarence E.
BLOOMFIELD—*Bloomfield Brick Co.
BRAZIL—*Indiana Paving Brick & Block Co.
CLINTON—*Clinton Paving Brick Co.
CRAWFORDSVILLE — *Poston Paving Brick Co.
Standard Brick Co.
MARTINSVILLE—*Martinsville Brick Co.
MEDORA—Medora Shale Brick Co.

IOWA.

BOONE—*Boone Brick, Tile & Paving Co.
DES MOINES—Des Moines Brick & Tile Co.
*Flint Brick Co.
Iowa Pipe & Tile Co.
GLADBROOK—Gethmann Brick Co.
MASON CITY—Mason City Clay Works
SIOUX CITY—Sioux City Brick & Tile Co.

KANSAS.

BUFFALO—Buffalo Brick Co.
COFFEYVILLE — Coffeyville Vitrified Brick & Tile Co.
IOLA—Iola Brick Co.
Union Brick Co. (Repressed, etc)
NEODESHA—Verdigris Valley Vitrified Brick & Tile Co.
PITTSBURGH—*Pittsburgh Paving Brick Co.
SALINA—Salina Vitrified Brick Co.
TOPEKA—Capital City Vitrified Brick & Paving Co.

KENTUCKY.

LOUISVILLE—*Bannon P. Pipe Co.

MARYLAND.

CUMBERLAND—*Queen City Brick & Tile Co.
WESTPORT—Westport Paving Brick Co.

MICHIGAN.

DETROIT—Puritan Brick & Tile Co., Farewell bldg.

MINNESOTA.

COON CREEK — Hydraulic-Press Brick Co. ("Hy-tex" Works)
MINNEAPOLIS — Hydraulic-Press Brick Co. ("Hy-tex"), Builders Exchange
Minneapolis Paving & Cement Brick Mfg. Co.

MISSOURI.

DIAMOND — Hydraulic-Press Brick Co. ("Hy-tex" Works)
KANSAS CITY—Buffalo Brick Co.
Hydaulic-Press Brick Co. ("Hy-tex"), Rialto bldg
ST. LOUIS—Alton Brick Co., Chemical bldg
Hydraulic-Press Brick Co. ("Hy-tex")

MONTANA.

HELENA—*Western Clay Mfg. Co.

NEW JERSEY.

MORRISTOWN—Hanover Brick Co.
SOUTH RIVER—Pettit & Co

NEW YORK.

BINGHAMTON—*Binghamton Brick Co.
***Binghamton Paving Block Co.**
CORNING—*Brick, Terra Cotta & Tile Co.
JAMESTOWN—*Jamestown Shale Paving Brick Co.
MECHANICSVILLE—Cary Brick Co.
Champlain Brick Co.
OLEAN—*Sterling Brick Co.

NORTH CAROLINA.

ELIZABETH CITY—Elizabeth City Brick Co.

NORTH DAKOTA.

DICKINSON—Dickinson Fire & Press Brick Co.
GRAND FORKS—Red River Valley Brick Corp.

OHIO.

AKRON—American Sewer Pipe Co.
Windsor Brick Co.
ALLIANCE—*Alliance Brick Co.
Alliance Clay Product Co.
ASHTABULA—*Burton Townsend Co.
CANTON—Belden Brick Co., 720 Tuscarawas, W
Lincoln Paving Block Co.
***Metropolitan Paving Brick Co. (Daily Capacity, 1,000,000)**
CLEVELAND—*Cleveland Brick & Clay Co., B of L E bldg
Cleveland Bldrs.' Supply & Brick Co., H, Leader-News bldg
COLUMBUS—Hocking Valley Brick Co.
CONNEAUT—*Dunn Wire-Cut-Lug Brick Co. (Wire-Cut-Lug)
GLENWOOD—*Noble Brick Co.
LISBON—Excelsior Fire Clay Co.
LOGAN—*Logan Clay Product Co.
MARIETTA—Cisler Thomas & Co.
MASSILLON—*Massillon Stone & Fire-Brick Co.
MINERAL CITY—Federal Clay Product Co.
MOGADORE—Granite Clay Co.
NELSONVILLE—*Nelsonville Brick Co. (Annual Capacity, 12,000,000)
NEW COMERSTOWN—Novelty Brick & Coal Co.
OSNABURG—Stark Brick Co.
PORTSMOUTH—Carlyle Paving Brick Co.
*Peebles Paving Brick Co.
Portsmouth Paving Brick Co.
SCIOTOVILLE — Scioto Firebrick Co. ("Union")
TRIMBLE—Trimble Paving Brick Co.
TORONTO—Toronto Fire Clay Co.
UHRICHSVILLE—Advance Fire Clay Co.
Buckeye Fireclay Co.
WICKLIFFE—*Kline Jno. Brick Co. ("Buckeye," Capacity, 5,000,000)
ZANESVILLE—Harris Brick Co.

OKLAHOMA.

ENID—Enid Vitrified Brick & Tile Co.
MUSKOGEE—Muskogee Vitrified Brick Co.
PAWHUSKA—*Pawhuska Vitrified Brick & Tile Co.
TULSA—Tulsa Vitrified Brick & Tile Co.

PENNSYLVANIA.

AUBURN—*Auburn Shale Brick Co.
BRIDGEVILLE—Mayer C. P. Brick Co.
CLEARFIELD—*Clearfield Clay Working Co.
*Clearfield Brick Mfg. Co.
*Paterson Clay Products Co.
CONNELLSVILLE—Soisson Jos. Fire Brick Co.
CORRY—Corry Brick & Tile Co.
DUBOIS—Dubois Clay Mfg. Co.
FREEPORT—Freeport Clay Products & Mineral Co.
GREENSBURG—United Brick Co.
KITTANNING—Kittanning Brick & Fire Clay Co.
Kittanning Clay Mfg. Co.
KUSHEQUA—*Kushequa Brick Co.
LATROBE—*Latrobe Brick Co.
LOCK HAVEN—Queen's Run Fire Brick Co.
McKEESPORT—*Layton Fire Clay Co.
MEYERSDALE—*Savage Fire Brick Co.
NEW BRIGHTON—Fallston Fire Clay Co.
Smith A. F. Co.
OSCEOLA MILLS—Osceola Silica & Fire Brick Co.
PATTON—Good Geo. S. Fire Brick Co.
Patton Clay Mfg. Co.
PHILADELPHIA — Hamburg Vitrified Brick Co., 20th & Sedgley. Works, Hamburg, Pa.
McAvoy Vitrified Brick Co., City Central bldg
PITTSBURGH—Clydesdale Brick & Stone Co., Jenkins Arcade
Fallston Fire Clay Co., Oliver bldg
Mayer C. P. Brick Co., Washington & State
Penna Clay Co., 421 Wood
West Virginia Fire Clay Mfg. Co., Diamond Bank bldg
READING—*Glen-Gery Shale Brick Co.
REYNOLDSVILLE—*Reynoldsville Brick & Tile Co.
SCRANTON—*Stipp Peter & Sons, Colfax & Pine
SHAWMUT—Shawmut Vitrified Paving Brick Wks. (& Blocks)
SHARON—*Sharon Clay Products Co.
WATSONTOWN—*Watsontown Brick Co.
WAYNESBORO—*Waynesboro Brick & Supply Co.

TENNESSEE.

CHATTANOOGA—Southern Clay Mfg. Co., Volunteer State Life bldg
KNOXVILLE—Knoxville Brick Co., Empire bldg

TEXAS.

ATHENS—Athens Brick & Tile Co.
AUSTIN—Butler Brick Works
SAN ANTONIO—Mackey Brick & Tile Mfg. Co.
THURBER—Texas & Pacific Coal & Oil Co.

UTAH.

SALT LAKE CITY—*Salt Lake Pressed Brick Co.
Utah Fire Clay Co.

WASHINGTON.

SEATTLE—Denny-Renton Clay & Coal Co.
Seattle Brick & Tile Co.
SPOKANE—American Fire Brick Co., 1102 Monroe

WEST VIRGINIA.

CLARKSBURG—Thornton Fire Brick Co.
FAIRMOUNT—Hammond Fire Brick Co.
NEW CUMBERLAND—Acme Fire Clay Works
*Mack Mfg. Co.

WISCONSIN.

MILWAUKEE—Burnham Bros. Brick Co., 8 Wisconsin

1467—Brick (Welding Furnace)

Hydraulic Press Brick Co., Central Natl. Bank bldg, St. Louis, Mo.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Moulding Thos. Brick Co., 133 W Washington, Chicago, Ill.
Vitrefrax Co. Inc., 51st & Pacific blvd, Los Angeles, Cal.

1468— Brick (White)

Fiske & Co. (Also Ornamental), 115 Federal, Boston, Mass.
Hydraulic-Press Brick Co. ("Hy-tex"), Central Nat Bank bldg, St. Louis, Mo.
Sayre & Fisher Co. (Also Ornamental), 261 B'way, New York
Washington Brick, Lime & Sewer Pipe Co. ("Waco"), Spokane, Wash.

1469— Brick (Wire-Cut Lug)

Alton Brick Co., Alton, Ill.
Bradford Pressed Brick Co., Bradford, Pa.
Clinton Paving Brick Co., Clinton, Ind.
Corry Brick & Tile Co., Corry, Pa.
Danville Brick Co., Danville, Ill.
Dunn Wire-Cut Lug Brick Co. (Patentees), Conneaut, O.
Hydraulic Press Brick Co., Central Natl. Bank bldg, St. Louis, Mo.
Kushequa Brick Co., Kushequa, Pa.
Patterson Clay Products Co., Clearfield, Pa.
Southern Clay Mfg. Co., Volunteer State Life bldg, Chattanooga, Tenn.
Sterling Brick Co., Orlean, N. Y.

1469a— Brick (Zinc Surface)

Walsh Fire Clay Products Co., 4070 N Main, St. Louis, Mo.

Bricklayers

See Contractors, Building & General

Bridge Builders (Steel)

See firms designated with a Star (*) under Steel Structural Work

1470— Bridge Caissons

See also Caissons, Sheet Iron

Graver Corp., 4020 Todd av, E. Chicago, Ind.
See adv index at end of book
Heltzel Steel Form & Iron Co. (The), Warren, O.
See adv index at end of book
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book

1471— Bridge Foundations

See also Caisson Foundations

Cullen-Friestedt Co., 1308 S. Kilbourne av., Chicago, Ill.
Foundation Co. (Engineers & Contractors, Pneumatic, etc), 233 B'way, New York
Godwin Const. Co., 130 E 44th, New York
McMurray J. W., Contr. Co., Railway Exchange, Kansas City, Mo.
Masters & Mullen Construction Co., Rose bldg, Cleveland, O.
Midland Bridge Co., Railway Exchange, Kansas City, Mo.
Neuchatel Asphalte Co. (Concrete), 79 Tompkins, New York
O'Rourke Engineering Construction Co., 17 Battery pl, New York
RAYMOND CONCRETE PILE CO., 140 Cedar, New York
Rodgers J. C., 271 W 125th, New York
Rust Engineering Co., 311 Ross, Pittsburgh, Pa.
Simplex Foundation Co., State & Van Kirk Phila., Pa.
Spearin George B., 90 West, New York
Syracuse Bridge Co. (Concrete, etc), Syracuse, N. Y.
Whittaker & Diehl, 71 Union Trust bldg, Harrisburg, Pa.

1472-3— Bridge Railings

Bayley Wm. Co., Springfield, O.
Belmont Iron Works, 22d & Washington av, Philadelphia, Pa.
Braun J. G., 609 S Paulina, Chicago, Ill.
Canton Bridge Co., Belden & 10th, N E
Clepp Geo. B., 3717 Filbert, Philadelphia, Pa.
Crown Iron Works Co., 1229 Tyler, Minneapolis, Minn.
Eastern Bridge & Structural Co., 88 Crescent, Worcester, Mass.
Hallman Oliver F., Mont Clare, Pa.
International Steel & Iron Co., Evansville, Ind.
Massillon Bridge & Structural Co., Massillon, O.
Meyers Fred. J. Mfg. Co., Hamilton, O.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Republic Structural Iron Wks. Co., 1360 E 53d, Cleveland, O.
Roanoke Iron Works, Roanoke, Va.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Stewart Iron Works Co. Inc., 238 Stewart blk, Cincinnati, Ohio
See adv index at end of book
Vilsack Martin Co., 3222 Penn av, Pittsburgh, Pa.
Wisconsin Bridge & Iron Co., North Milwaukee, Wis. *See adv index at end of book*
Wrobbel-Maine Co., The, 3106 E 63rd, Cleveland, O.

Bridge Timbers (Creosoted)

See Creosoting Works

1474— Bridges (Bascule)

American Bridge Co. (Rolling Lift), 30 Church, New York
Canton Bridge Co., Belden & 10th, N E, Canton, Ohio
Fawcus Machine Co., 2818-2828 Smallman, Pittsburg, Pa.
See adv index at end of book
King Bridge Co., Cleveland, O.
Lakeside Bridge & Steel Co., 402 Villard av, N. Milwaukee, Wis.
Penn Bridge Co., Beaver Falls, Pa.
Scherzer Rolling Lift Bridge Co. (Rolling Lift), Monadnock blk, Chicago, Ill.
Strauss Bascule Bridge, 225 N. Michigan av., Chicago, Ill.
Strobel Steel Construction Co. ("Rall" Bascule), Monadnock blk, Chicago, Ill.
Toledo Crane Co., Bucyrus, Ohio.
Wisconsin Bridge & Iron Co., North Milwaukee, Wis.
See adv index at end of book

1475— Bridges (Catenary)

Archbold-Brady Co. (For electric Railways,) Syracuse, N. Y.

1476—Bridges (Coal & Ore Handling)

See also Coal Storage Plant Construction
American Bridge Co., 30 Church, New York
Bergen Point Iron Works, Bayonne, N. J.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Mead-Morrison Mfg. Co., Prescott & Orleans East, Boston, Mass.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg., Pittsburgh, Pa.
See adv index at end of book
ROBINS CONVEYING BELT CO., 15 Park Row, New York
See adv index at end of book
Wisconsin Bridge & Iron Co., North Milwaukee, Wis.
See adv index at end of book

1477— Bridges (Hose)

Ohio Brass Co., Mansfield, Ohio

Bridges (Rolling Lift)

See Bridges, Bascule

Bridges (Steel, Designers & Erectors)

See Firms in Steel Structural Work, marked with a (*) Star

1478— Bridges (Steel Girder)

See also Firms in Steel Structural Work, indicated by a (*) Star

American Bridge Co, 30 Church, New York
Case Crane & Engng Co., Columbus, O.
Central States Bridge Co., 601 Beecher, Indianapolis, Ind.
EASTERN BRIDGE & STRUCTURAL CO., 88 Crescent, Worcester, Mass.
Good Roads Machinery Co. (With Gas Pipe Railings), Kennett Square, Pa.
Independent Bridge Co., May bldg, Pittsburgh, Pa.
International Steel & Iron Co., Evansville, Ind.
King Bridge Co., Cleveland, O.
Kratzer W. N. Co., 3212 Smallman, Pittsburgh, Pa.
Lakeside Bridge & Steel Co., 402 Villard av, N. Milwaukee, Wis.
Lucius Engineering Co., Hartje Bldg., Pittsburgh, Pa
Luken Steel Co., Cratesville, Pa.
McClintic-Marshall Construction Company, Oliver bldg, Pittsburgh, Pa.
Massillon Bridge & Structural Co., Massillon, Ohio
Missouri Valley Bridge & Iron Co., Leavenworth, Kans.
Northfield Iron Co., Northfield, Minn.
PITTSBURGH-DES MOINES STEEL CO. 804 Curry bldg., Pittsburgh, Pa.
See adv index at end of book
ST. PAUL FOUNDRY CO., Como av & Mackubin, St. Paul, Minn.
See adv index at end of book
Toledo Crane Co., Bucyrus, Ohio
WISCONSIN BRIDGE & IRON CO., North Milwaukee, Wis.
See adv index at end of book
Worden-Allen Co., Pt. Washington rd, Milwaukee, Wis.

1478a— *Bridges (Violin)

Estes E. B. & Sons, 364 Fifth av, New York *See adv index at end of book*

Brimstone

See Sulphur & Brimstone

1479— Bristles

Abeel Addison J., 167 Front, New York
American Trading Co., 25 Broad, New York
Broverman Morris & Son (Imp), 57 Maiden Lane, New York
Caplan S. & Co. (Imp.), 97 Water, New York
Cone Fred H. & Co. (Importer), 181 Front, New York
Conheim Herman, 9 Burling, New York
Cudahy Packing Co., 111 W Monroe, Chicago, Ill.
DU PONT E. I. DE NEMOURS & CO. INC., Salvage & Reclamation Div., Wilmington, Del. *See adv index at end of book*
Eaton, Schleich & Woll, 150 Water, New York
Fearon Brown Co. (Imp), 96 Wall, New York
Frazar & Co., 30 Church, New York
Frost F. W. & Co. Inc. (Imp.), 56 Beaver, New York
Hamburger H. (Imported), 86 John, New York
Hartmann Pacific Co., Inc. (Imp.), 80 Wall, New York
Huesmann & Co. (Importers), 47 Cliff, New York
Norden A. & Co. (Imp), 60 Beaver, New York
Paxon J. W. Co., 1021 N. Delaware av, Philadelphia, Pa.
Polack Co. (Imp), 249 Pearl, New York
Schenkler Philip, 17 Burling sl, New York
Simmons Thos. W. & Co. (Imp.), 240 California, San Francisco, Cal.
Topper & Edelmann, 525 Stone av, Brooklyn, N. Y.
VonStade F. W., 73 Beekman, New York
Wilkens Wm. Co., Frederick av & Wilkens, Baltimore, Md.
Woll Peter & Sons Mfg. Co., Mascher & Berks, Phila., Pa.

1480-1— Britannia Ware Mfrs.

See also Silverware

International Silver Co., Meriden, Conn.
Manning, Bowman & Co., Meriden, Conn.
Pia Peter F., 129 White, New York
Prisk Wm. M. & Sons Mfg. Co., Yatesville, Conn.

1482— Broaches (Push)

Spicer Mfg. Co., South Plainfield, N. J.
Wells Corporation The ("Broachwell"), 15 Arch, Greenfield, Mass.
See adv index at end of book

1483— Broilers

Andrews Wire & Iron Wire Works (Wire), Rockford, Ill.
Automatic Wire Goods Mfg. Co. (Wire), 386 Canal pl, New York
Bramhall-Deane Co., 261 W 36th, New York
Central Stamping Co. ("Puritan"), 206 B'way, New York
Dangler Stove Co., 5017 Perkins av, Cleveland, O.
Dundee Mfg. Co., Inc. ("Dundee" Smokeless, Dripless), 17 Edinboro, Boston, Mass.
Favorite Stove & Range Co. (Gasoline), Piqua, Ohio
Hamblin & Russell Mfg. Co. (Wire), Worcester, Mass.
Lalance & Grosjean Mfg. Co. (Wire), 299 B'way, New York
Miller Wm. Range & Furnace Co. (Charcoal, Coke, Sheet Steel), 125 E 5th, Cincinnati O.
National Enameling & Stamping Co. (Sheet Steel & Wire), 411 5th av, New York
Parker Wire Goods Co. (Wire, All Kinds), Worcester, Mass.
Reliable Stove Co., 1737 E 40th, Cleveland, O.
Sexton, S. B. Stove & Mfg. Co., 500 W. Conway, Baltimore, Md.
United Steel & Wire Co. (Hotel, Household and Camp Use), 327 Fonda av, Battle Creek, Mich.
Watkins J. Y. & Son, 20 Catharine, New York
Wickwire Spencer Steel Corp., 41 East 42nd, New York
See adv index at end of book
Washburn Co. (Wire Goods Div.) (Wire), 28 Union, Worcester, Mass.

1484— Broilers (Electric)

American Electrical Heater Co., Detroit, Mich.
Simplex Electric-Heating Co. ("Simplex") Cambridge, Mass.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

Broilers (Gas)

See Stoves, Heaters & Ranges, Gas

1485— Bromine

Dickinson J. Q. & Co. ("Kanawha"), Malden, W. Va.
Dow Chemical Co., Midland, Mich.
Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Pomeroy Chemical Co., Pomeroy, O.
Powers - Weightman - Rosengarten Co., 916H Parrish, Phila., Pa.

1485a— Bromoform

Dow Chemical Co. (U. S. P.), Midland, Mich.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park pl, New York



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1486—Bronze Angles, Channels, Etc.

AMERICAN BRASS CO. (Extruded), Waterbury, Conn.
See adv index at end of book

Bunting Brass & Bronze Co. (The) (Cored & Solid Bars), 738 Spencer, Toledo, Ohio
See adv index at end of book

CONKLIN T. E. BRASS & COPPER CO., 54-60 Lafayette, New York
See adv index at end of book

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Wetzel K. O. & Co., 694 S Rio, Los Angeles, Cal.

1487—Bronze (Architectural & Ornamental)

American Art Bronze Foundry, 4921 W Lake, Chicago, Ill.

Anchor Post Iron Works (Railings), 56 Church, New York
See adv index at end of book

Art Brass & Iron Works, 407 E Fort, Detroit, Mich.

Art Metal Co., 1640 N Spring, Los Angeles, Cal.

Art Metal Construction Co., Jamestown, N. Y.

Barsnal Equipment Co., 2051 Euclid av, Cleveland, O.

Bayer A. J. Co., Slauson & Santa Fe avs, Los Angeles, Cal.

Bayer, Gardner-Himes Co., 101 Park av, N. Y

Bayer-Rothgeb Co., Slauson & Santa Fe avs, Los Angeles, Cal.

Biddle-Gaumer Co., 3846 Lancaster av, Phila., Pa.

Black & Boyd Mfg. Co., 17 E 47th, New York

Brombacher Iron Works, 5555 Magnolia, Los Angeles, Cal.

Bronze Ornamental Iron & Bronze Co., 16th & San Bruno av, San Francisco, Cal.

BUFFALO WIRE WORKS CO., 453 Terrace, Buffalo, N. Y.
See adv index at end of book

Bureau Bros., 23d & Westmoreland, Phila., Pa.

Cabaret Paul E. & Co., 412 E 125th, New York

California Artistic Metal & Wire Co. (Doors & Railings), 349 7th av, San Francisco, Cal.

Central Metal Products Corp., Canton, Ohio

Cincinnati Mfg. Co., Cincinnati, O.

City Ornamental Iron Works, 755 E 15th, Los Angeles, Cal.

Cleveland Art Metal Co., 3620 Superior, Cleveland, O.

Cochran Co., 1623 Long Beach av, Los Angeles, Cal.

Coleman Adelbert E., 336 W 37th, Chicago, Ill.

Columbus Brass Co. (Brass and Bronze Door and Window Guard, etc.), 620 Dublin av, Columbus, Ohio
See adv index at end of book

CONKLIN T. E. BRASS & COPPER CO., 54-60 Lafayette, New York
See adv index at end of book

CROWN IRON WORKS, 1229 Tyler, Minneapolis, Minn.

De Rome L. Bronze, Brass & Bell (Dirs.), 1076H 59th, Oakland, Cal.

Detroit Mausoleum Equipment Works, 175 W Fort, Detroit, Mich.

Dow Co., 201H N Buchanan, Louisville, Ky.

Ellison Brass Mfg. Co., Jamestown, N. Y.

Estey Bros. Co., 1006 Metropolitan av, Brooklyn, N. Y.

Federal Brass & Bronze Co., Ridge, Astoria, Borough of Queens, N. Y.

Feely W. J. Co., 169 S Angell, Providence, R. I.

Flour City Ornamental Iron Co., 27th & 27th av, Minneapolis, Minn.

Gorham Co. Arch'l Bronze (Bank Work a Specialty), 5th av & 36th, New York. Works, Providence, R. I.

Guerin P. E. (Inc.), 21 Jane, New York

Halback, C. E. & Co., 23 E. 26th, New York

Harsch John, Bronze & Foundry Co., Madison av, Cleveland, O.

Heath J. S. Co., Franklin & Ontario, Chicago, Ill.

Hecla Iron Works, 118 N. 11th, Brooklyn, N. Y.

Herzog Iron Works, St. Paul, Minn.

Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York.

Illinois Bronze & Stamping Co., 917 S Keeler, Chicago

Janusch Mfg. Co., 290 E 135th, New York

Jones Jas. Co., 201 Leroy, Los Angeles, Cal.

Keystone Ornamental Iron & Bronze Wks. (Also Brass), 830 Howard, San Francisco, Cal.

Klaber S. & Co., 144 W 55th, New York

Lane Thos. Co., Farmers' Bank bldg, Pittsburgh, Pa.

Lasar Mfg. Co., 16th & O'Fallon, St. Louis, Mo.

McGANN THOS. F. & SONS CO., 117 Portland, Boston, Mass.

McKenna Brass & Mfg. Co., Inc., 1st av & Ross, Pittsburgh, Pa.

Manton & Smith Co., 3333 W. Grand av, Chicago, Ill.

Meyers Fred. J. Mfg. Co., Hamilton, O.

Michael's Art Bronze Co., Covington, Ky.

Mills Wm. J. (Doors, etc), 25 Bainbridge, Brooklyn, N. Y.

Monarch Iron Works, 262 7th, San Francisco, Cal.

Mott J. L. Iron Works, Trenton, N. J.

National Art Bronze Wks. Co., Pope & Carrie avs, St. Louis, Mo.

NEWMAN MFG. CO., 420 Elm, Cincinnati, O.

Penn Brass & Bronze Works, 111 Dobbin, Brooklyn, N. Y.

Plocher Andrew, Sons Co., Dayton, O.

Polachek John Bronze & Iron Co., 480 Hancock, Long Island City, N. Y.

Richey Browne & Donald, Flushing av, Maspeth, N. Y.

Roman Bronze Works ("Cire-Perdue" Process), 275 Greene, Brooklyn, N. Y.

Rudgear-Merle Co., 198 Bay, San Francisco, Cal.

Schreiber L. & Sons Co., 3869 Ivanhoe, Cincinnati, O.

Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book

Sommerville Iron & Bronze Co., 5641 Butler, Pittsburgh, Pa.

Standard Brass & Bronze Mfg. Co., 159 14th, San Francisco, Cal.

Sterling Bronze Co., 201 E. 12th, New York

Sullivan-Korber Co., 2437 W 31st pl, Chicago, Ill.

Superb Bronze & Iron Co., 254 Park av, Brooklyn, N. Y.

Tiffany Studios, 361 Madison av, New York

Tuttle & Bailey Mfg. Co., 2 W 45th, New York

TYLER W. S. CO., Cleveland, O.
See adv index at end of book

Union Metal Mfg. Co., Canton, O.

Wells Architectural Iron Co., River av & 151st, New York

WEST COAST WIRE & IRON WORKS, 861 Howard, San Francisco, Cal.

Wisconsin Iron & Wire Works, North Milwaukee, Wis.

WROBBEL-MAINE CO., THE, 3106 E 63rd, Cleveland, O.

1488-9— Bronze Doors

American Art Metal Wks., 13 Grace, San Francisco, Cal.

Art Brass & Wire Works, 407 E Fort, Detroit, Mich.

Art Metal Construction Co., Jamestown, N. Y.

Bayer Rothgeb Co. (Mausoleum), Slawson & Santa Fe av, Los Angeles, Cal.

Bureau Bros., 23d & Westmoreland, Phila., Pa.

Cabaret Paul E. & Co., 412 E 125th, New York

California Artistic Metal & Wire Co., 349 7th, San Francisco, Cal.

Cal. Fire Proof Door Co. ("Wilcox"), 1931 S. Los Angeles, Cal.

Central Metal Products Corp., Canton, Ohio

Cincinnati Mfg. Co., Cincinnati, O.

Coleman Adelbert E. (Architectural, etc), 336 W 37th, Chicago, Ill.

Dahlstrom Metallic Door Co. (For Entrances to Office bldg. & Stations, Army Design Hollow Metal), 413 Buffalo, Jamestown, N. Y.
See adv index at end of book

Detroit Mausoleum Equipment Works, 175 W Fort, Detroit, Mich.

De Rome L. Bronze, Brass & Bell Drsy, 1076H 59th, Oakland, Cal.

Ellison Brass Mfg. Co. (Mausoleum, Doors & Windows), Jamestown, N. Y.

Estey Bros. Co., 270 Union av, Brooklyn, N. Y.

Feeley W. J. Co. (Altar), 169 S Angell, Providence, R. I.

Flour City Ornamental Iron Co., 27th & 27th av, Minneapolis, Minn.

Gorham Co. Arch'l Bronze (Cast & Plate), 5th av & 36th, New York. Works: Providence, R. I.

Guerin P. E., 21 Jane, New York

Heath J. S. Co., Franklin & Ontario, Chicago, Ill.

Hecla Iron Works, 118 N 11th, Brooklyn, N. Y.

Imperial Brass Mfg. Co. (Mausoleum), 1200 W. Harrison, Chicago, Ill.

Janusch Mfg. Co., 290 E 135th, New York

Lasar Mfg. Co., 16th & O'Fallon, St. Louis, Mo.

McGANN THOS. F. & SONS CO. (Bank and Mausoleum), 117 Portland, Boston, Mass.

Marshall Blow Pipe Co., 7431 Dubois, Detroit, Mich.

Meyers Fred J. Mfg. Co., Hamilton, O.

Mills W. J., 25 Bainbridge, Brooklyn, N. Y.

Monarch Iron Works, 262 7th, San Francisco, Cal.

Mott J. L. Iron Works, Trenton, N. J.

Newman Mfg. Co., 420 Elm, Cincinnati, O.

Penn. Brass & Bronze Works, 111 Dobbin, Brooklyn, N. Y.

Polachek John Bronze & Iron Co., 476H Hancock, Long Island City, N. Y.

Richey Browne & Donald, Flushing av, Maspeth, N. Y.

Schreiber L. & Sons Co., 3869 Ivanhoe, Cincinnati, O.

Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book

Sommerville Iron & Bronze Co., 5641 Butler, Pittsburgh, Pa.

(Continued on following page)

Bronze Doors—Continued

Steelite Co., 1902 W 77th, Cleveland, O.
Superb Bronze & Iron Co., 254 Park av, Brooklyn, N. Y.
Tiffany Studios, 361 Madison Av, New York
TYLER W. S. CO., Cleveland, O.
See adv index at end of book
West Coast Wire & Iron Works, 861 Howard, San Francisco, Cal.
Wisconsin Iron & Wire Works, North Milwaukee, Wis.

1490-1—Bronze Founders (Architectural)

See also Castings, Bronze

American Art Bronze Foundry, 4921 W Lake, Chicago, Ill.
Bayer-Rothgeb Co., Slauson & Santa Fe avs, Los Angeles, Cal.
Bureau Bros., 23d & Westmoreland, Phila., Pa.
Cabaret Paul E. & Co., 412 E 125th, New York
Cincinnati Mfg. Co., Cincinnati, O.
Detroit Mausoleum Equipment Works, 175 W. Fort, Detroit, Mich.
De Rome L. Bronze, Brass & Bell Drsy, 1076H 59th, Oakland, Cal.
Feeley W. J. Co., 169 S Angell, Providence, R. I.
Flour City Ornamental Iron Co., 27th & 27th av, Minneapolis, Minn.
Gorham Co., Arch'l Bronze, 5th av & 36th, New York. Works, Providence, R. I.
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
Hecla Iron Works, 118 N 11th, Brooklyn, N. Y.
Janusch Mfg. Co., 290 E 135th, New York
McGann Thos. F. & Sons Co., 117 Portland, Boston, Mass.

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Meneely & Co., Watervliet, N. Y.
Mills W. J., 25 Bainbridge, Brooklyn, N. Y.
New Brunswick Iron Works, New Brunswick, N. J.
Newman Mfg. Co., 420 Elm, Cincinnati, O.
Polachek John Bronze & Iron Co., 476H Hancock, Long Island City, N. Y.
Roessing Bronze Co., Etna, Pa.
Schreiber L. & Sons Co., 3869 Ivanhoe, Cincinnati, O.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Tiffany Studios, 361 Madison av, New York

Bronze Lamps

See Lamps, Artistic Bronze & Wrought Iron

Bronze Letters for Building Fronts

See Bronze Tablets, etc

1492— Bronze (Manganese)

See also Castings, Manganese Bronze

Allis Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Ajax Metal Co. ("Ajax"), 46 Richmond, Phila., Pa.
American Brass Co., Waterbury, Conn.
See adv index at end of book
American Manganese Bronze Co., 3501 Rhawn, Phila., Pa.
Belmont Smelting & Refining Works, Inc. (Belmont Brand—any formula), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book
Birkenstein S. & Sons ("Wizard"), 1056 North av, Chicago, Ill.
Brady Brass Co., 170 14th, Jersey City, N. J.
Columbian Bronze Corp., Freeport, L. I., N. Y.
Cramp Wm. & Sons Ship & Engine Building Co. ("Parsons"), Beach & Ball, Phila., Pa.
Erie Bronze Co., 355 W 19th, Erie, Pa.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Lumen Bearing Co., 200 Lathrop, Buffalo, N. Y. *See adv index at end of book*
Michigan Smelting & Refining Co., 7881 Jos. Campau av, Detroit, Mich.
North Am. Copper Co., 52 Vanderbilt av, New York
Titanum Bronze Co., Inc., Niagara Falls, N. Y.
Taunton-New Bedford Copper Co., Taunton, Mass.

1493—Bronze Monuments, Statuary, Urns, Etc.

Baumgarten, Ernest Chas., Schulenburg, Texas
Bayer-Rothgeb Co., Slauson & Santa Fe avs, Los Angeles, Cal.
Bureau Bros., 23d & Westmoreland, Phila., Pa.
Cabaret Paul E. & Co., 412 E 125th, New York
De Rome L. Bronze, Brass & Bell Drsy., 1076H 59th, Oakland, Cal.
Flour City Ornamental Irdon Co., 27th and 27th av., Minneapolis, Minn.
Gorham Co. Arch'l Bronze, 5th av & 36th, New York. Works: Providence, R. I.
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
McGANN THOS. F. & SONS CO. (Cire-Perdue-Process), 117 Portland, Boston, Mass.
Oregon Brass Works (Cremation Urns), 73 W 2nd, Portland, Ore.
Parker Charles Co. (Cremation Urns), Meriden, Conn.
Polachek John Bronze & Iron Co., 476H Hancock, Long Island City, N. Y.
Roman Bronze Works ("Cire-Perdue" Process), 275 Greene, Brooklyn, N. Y.
Tiffany Studios, 361 Madison av, New York
Wisconsin Iron & Wire Works (Crematory Urns), Milwaukee, Wis.

1493a— Bronze (Naval)

CONKLIN T. E. BRASS & COPPER CO., 54-60 Lafayette, New York
See adv index at end of book

1494— Bronze Powders

ALUMINUM COMPANY OF AMERICA (Aluminum Only), 2301 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book
American Bronze Powder Mfg. Co., 16 Warren, New York. Works: Verona, N. J.
Arnstein Eugene, 253 N Western, Chicago, Ill.
Ault & Wiborg Co., Cincinnati, O.
Barrett M. L. & Co., 233 W Lake, Chicago, Ill.
Baer Bros., 438 W 37th, New York
Benda Geo. Inc ("Bendalin"), 112 E 19th, New York
BINSWANGER B. & CO., 835 N 3rd, Philadelphia, Pa.
Bronze Powder Works Co., Elizabeth, N. J.
Chicago Bronze Co. (Imp), 110 W Lake, Chicago, Ill.
Corbett M. J. & Co. (Imported), 24 State, New York
C. P. Chemical & Drug Co. Inc., 114-118 Liberty, New York
Day, Jas. B. & Co., 224 W. Superior, Chicago, Ill.
Devoe & Raynolds Co., Inc., 101 Fulton, New York
Downing R. F. & Co. (Imported), 45 Pearl, New York
DRAKENFELD B. F. & CO. INC., 50 Murray, New York
Ehrmann Ludwig (Importers), 288 Bowery, New York
French Samuel H. & Co., 4th & Callowhill, Philadelphia, Pa.
Fuchs & Lang Mfg. Co., 119 W 40th, New York
Gerstendorfer Bros., 221 E 42d, New York
Hemmerdinger L. & Co., 438 E 123d, New York
Hommel O. Co., 209 4th av, Pittsburgh, Pa.
Horn A. C. Co., Horn bldg, Long Island City, N. Y.
Illinois Bronze Powder Co. (Importers), 75 W Van Buren, Chicago, Ill.
Kemp W. H. Co., 165 Spring, New York
Lawrence W. W. & Co., Pittsburgh, Pa.
Morrill Geo. H. Co., Norwood, Mass.
Pomeroy & Fischer, 95 Madison av, New York
Rauskolb Fred W. Co., 16 Franklin, Boston, Mass.
Riessner T. (Imp), 428 Lafayette, New York
Rosenbush & Solomon, Inc., 33rd & Shields av, Chicago, Ill.
Sartorius A. & Co. ("Crescent"), 32 Union sq, New York
Schlegel Oscar Mfg. Co. (Aluminum, Gold, Bronze & Liquid), 124 E 13th, New York
Schultz's Michael Sons, 152 E Houston, New York
Siebold J. H. & G. B. (Imp), 21 W Houston, New York
Thompson R. R., 347 5th av, New York
Uhlfelder Leo. Co., 148 W 23rd, New York
United States Bronze & Powder Works, Inc. ("Protoplast," "Sirius," "Bronzolin," also gold and aluminum), 220 W 42d, New York
Weber F. Co., 1220 Buttonwood, Phila., Pa.
Wheeler Asahel Co., 53 High, Boston, Mass.

Bronze Railings

See Bronze, Architectural

1495— Bronze (Sheet)

AMERICAN BRASS CO. ("Anaconda"), Waterbury, Conn. For branch offices
See adv index at end of book
American Manganese Bronze Co., 3501 Rhawn, Phila., Pa.
Baltimore Tube Co., Baltimore, Md.
BENSON ROLLING MILLS, INC., Glen Ridge, N. J.
Conklin T. E. Brass & Copper Co., 54-60 Lafayette, New York
See adv index at end of book

BRONZE—SHEET

Nearly three-quarters of a century serving the trade.

LARGE ASSORTED STOCK
FOR IMMEDIATE DELIVERY

T. E. Conklin Brass & Copper Co., Inc.
54-60 Lafayette Street, New York
Established 1860 Tel. Franklyn 2900

Connecticut Brass & Mfg. Corp. (Thin Gauge), Waterbury, Conn.
Detroit Copper & Brass Rolling Mills, Clark av, nr. Wabash RR, Detroit, Mich.
Gardner B. M. Co., Guardian bldg, Cleveland, O.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Marshall Blow Pipe Co., 7431 Dubois, Detroit, Mich.
Michigan Copper & Brass Co., 1611 W Jefferson av, Detroit, Mich.
New England Brass Co., Commercial, Taunton, Mass.
North Am. Copper Co., 52 Vanderbilt av, New York
Randolph-Clowes Co., Waterbury, Conn.
Riverside Metal Co., Riverside, N. J.
Rome Brass & Copper Co., Rome, N. Y.
SCOVILL MFG. CO., Waterbury, Conn.
See adv index at end of book
Seymour Mfg. Co., Seymour, Conn.
Somers Co., Inc. (Thin Gage), Waterbury, Conn.
Titan Metal Co. (Hot or Cold Rolled), Bellefonte, Pa.

1495a— Bronze (Sillmans Apex Aluminum)

Michigan Smelting & Refining Co., 7881 Jos. Campau av, Detroit, Mich.

1496— Bronze Tablets, Etc.

Adams S. G. Stamp & Stationery Co. (Memorial), 412 N 6th, St. Louis, Mo.
Art Brass & Wire Works, 407 E Fort, Detroit, Mich.
Badger Wire & Iron Works, 25th av & Cleveland, Milwaukee, Wis.
Barkay Co., Inc., 26 Institute, Jamestown, N. Y.
See adv index at end of book

THE BARKAY CO.
INCORPORATED
26 Institute Street
JAMESTOWN, N. Y.
Cast Bronze Signs
Memorials
and
Tablets

Barshal Co., 2031 Euclid av., Cleveland, Ohio
Bayer A. J. Co., Slauson & Santa Fe avs, Los Angeles, Cal.
Bayer Rothgeb Co., Dept H, Slawson & Santa Fe av, Los Angeles, Cal.
Biggin Charles P. Co., 1829 Harlan, Phila., Pa.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

BRASS FOUNDRY CO., 700 McAdams, Peoria, Ill.
See adv index at end of book
Bureau Bros., 23d & Westmoreland, Phila., Pa.
Cabaret Paul E. & Co., 412 E 125th, New York
California Artistic Metal & Wire Co., 349 7th, San Francisco, Cal.
Cincinnati Mfg. Co., Cincinnati, O.
Cochran Co., 1638 Long Beach av, Los Angeles, Cal.
Coleman Adelbert E., 336 W. 37th, Chicago, Ill.
Columbus Brass Co., 620 Dublin av., Detroit, Mich. *See adv index at end of book*
Crown Iron Wks. Co., 1229 Tyler, Minneapolis, Minn.
Daprato Statuary Co. (Memorial), 766 W Adams, Chicago, Ill.
See adv index at end of book
Detroit Mausoleum Equipment Works, 175 W. Fort, Detroit, Mich.
Dow Co., 201 N Buchanan, Louisville, Ky.
Ellison Brass Mfg. Co., Jamestown, N. Y.
Feeley W. J. Co., 169 S Angell, Providence, R. I.
FISKE J. W. IRON WORKS, 111 Park pl, New York
Flour City Ornamental Iron Co., 27th & 27th av, Minneapolis, Minn.
Forman Co., 48H W. Bd'way, New York
Gorham Co., Arch'l Bronze, 5th av & 36th, New York. Works, Providence, R. I.
Heath J. S. Co. (Honor Rolls & Memorials), Franklin & Ontario, Chicago, Ill.
Herzog Iron Works, St. Paul, Minn.
Highton, Wm. & Sons Co., Nashua, N. H.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Illinois Bronze & Stamping Co., 917 S. Keeler, Chicago, Ill.
Imperial Brass Mfg. Co., 1200 W Harrison, Chicago, Ill.
Inglis Wm. Wire & Iron Works, 960 Harper, Detroit, Mich.
Janusch Mfg. Co., 290 E 135th, New York
Johnson-Meier Co. (Mfrs.), 155 Wendell, Chicago, Ill.
Jones M. D. Co., Concord Junction, Mass.
Lamb J. & R., 25 6th av, New York
Lane Thos. Co., Farmers Bank bldg., Pittsburgh, Pa.
Lasar Mfg. Co., 16th & O'Fallon, St. Louis, Mo.
Lee Bros. Foundry Co., Dept. H, Anniston, Ala.
McCafferty J. H. Co., 434 Harrison av, Boston, Mass.
McGANN THOS. F. & SONS CO., 117 Portland, Boston, Mass.
Manton & Smith Co., 3333 W. Grand av., Chicago, Ill.
Matthews Jas. H. & Co. (Memorial & Commercial), 3942 Forbes, Pittsburgh, Pa. *See adv index at end of book*
Meyers Fred J. Mfg. Co., Hamilton, O.
Moise-Klinkner Co., 369 Market, San Francisco, Cal.
Mott J. L. Iron Works, Trenton, N. J.
NEWMAN MFG. CO., 420 Elm, Cincinnati, O.
Oregon Brass Works, 73 N 2d, Portland, Ore.
Polachek John, Bronze & Iron Co., 476H Hancock, Long Island City, N. Y.
R. & S. Engraving & Die Works, 617-631 W Jackson blvd. Chicago, Ill.
See adv index at end of book
Reading Brass Wks., 141 Schiller, Reading, Pa.
Reed & Barton Corp., Taunton, Mass.
Reed & Skeppstrom, 625 W. Jackson blvd, Chicago, Ill.
See adv index at end of book
Richey, Browne & Donald, Flushing av, Maspeth, N. Y.
Rome Bronze Co., Rome, N. Y.
Russell Albert & Sons Co., Newburyport, Mass.
St. Louis Brass Mfg. Co., Jefferson & Washington. St. Louis, Mo.
Schmutz Mfg. Co. Inc., 17th and Walnut, Louisville, Ky.
Schreiber L. & Sons Co., 3869 Ivanhoe, Cincinnati, O.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Sommerville Iron & Bronze Co., 5641 Butler, Pittsburgh, Pa.
Sterling Bronze Co., 16 E 40th, New York
Tiffany Studios, 361 Madison av, New York
Turner Brass Works, Sycamore, Ill.
Tuttle & Bailey Mfg. Co. (Also Brass), 2 W 45th, New York
TYLER W. S. CO., Cleveland, Ohio, & 200 5th av, New York.
See adv index at end of book
United Ornamental Iron Works, 189 W Madison, Chicago, Ill.
Wells Architectural Iron Co., River av & 151st, New York
West Coast Wire & Iron Works, 861 Howard, San Francisco, Cal.
Wisconsin Iron & Wire Works, Milwaukee, Wis.
Wood-Detroit Mfg. Co. (Memorial), Marquet bldg, Detroit, Mich.

1496a— Bronze (Titan)

Titan Metal Co., Bellefonte, Pa.

1497— *Bronze (Tobin)

AMERICAN BRASS CO. (Sheets & Rods), Waterbury, Conn.
See adv index at end of book
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York.

1498— Bronze (White)

Am. Manganese Bronze Co., 3501 Rhawn, Phila., Pa.
Belmont Smelting & Refining Works, Inc. (Belmont Brand—any formula), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book
Lissberger, Marks & Son ("Emelansic"), 281 Borden av, Long Island City, New York
McLaughlin's Sons Co., 230 N 12th, B'klyn, N. Y.
Pittsburgh White Metal Co., 3116 Penn av., Pittsburgh, Pa.
Smith David H. & Sons, Foot of 51st, Brooklyn, N. Y.
See adv index at end of book

1498a—Bronze Work (Every Description)

Gorham Co., Architectural Bronze, 5th av & 36th, New York. Works, Providence, R. I.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Polachek John Bronze & Iron Co., 476H Hancock, Long Island City, N. Y.
Wrobbel-Maine Co., The, 3106 E 63rd, Cleveland, O.

1499— Bronzing Liquids

Acme White Lead & Color Works, St. Aubin av & M. C. R. R., Detroit, Mich.
Baer Bros., 438 W 37th, New York
Barrett M. L. & Co., 233 W Lake, Chicago, Ill.
Bronze Powder Works Co., Elizabeth, N. J.
Celluloid Zapon Co. ("Zapon"), 247 Park av, New York
Certain-teed Products Co. ("Certain-teed"), Boatman's Bank bldg., St. Louis, Mo.
Chicago Varnish Works, 2100 Elston av, Chicago, Ill.
De Bar Co., 58 Delevan, Brooklyn, N. Y.
DU PONT E. I. DE NEMOURS & CO. INC., Paint & Varnish Dept., 3500 Grays Ferry rd, Phila., Pa.
See adv index at end of book
Durlacque Mfg. Co., 1311 Chestnut, St. Louis, Mo.
French Samuel H. & Co., 4th & Callowhill, Philadelphia, Pa.
Glidden Co., Madison av & Berea rd, Cleveland, O.
Hecla Iron Works, 118 N 11th, Brooklyn, N. Y.
Hommel O. Co., 209 4th av, Pittsburgh, Pa.
Lawrence W. W. & Co., Pittsburgh, Pa.
Lucas John & Co., 322 Race, Philadelphia, Pa.
Schlegel Oscar Mfg. Co., 124 E 13th, New York
Sherwin-Williams Co., Cleveland, O.
Thurston F. W. Co., 1832 S Clark, Chicago, Ill.
United States Bronze & Powder Wks., Inc. ("Protoplast," "Sirius," "Bronzolin"), 220 W 42nd, New York
Weber F. Co., 1220 Buttonwood, Phila., Pa.

1500— Brooms (Bamboo)

Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Hoosier Mfg. Co., 1231 Roosevelt av, Indianapolis, Ind.
Indianapolis Brush & Broom Mfg. Co. ("Capital," "Red Cap," Fibre or Bamboo), 26 Brush, Indianapolis, Ind.
Lay Jos. Co., Ridgeville, Ind.
Mass. Commission for the Blind, Cambridge, Mass.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
O. K. Broom Factory, 883 Cotton av, Macon, Ga.
Opie J. W. Brush Co., 1422 McGee, Kansas City, Mo.
Osborn Mfg. Co. (Push, Scrubbing, etc), 5401 Hamilton, Cleveland, O.
Ox Fibre Brush Co., 500 East Church, Frederick, Md.
See adv index at end of book
Paramount Brush & Broom Co., Inc., 100 Greenwich, New York
Richmond Broom Co., Richmond, Va.

1501— Brooms (Bass Fibre)

Felton D. D. Brush Co., Atlanta, Ga.
Goldblatt H. Tool Co., 1522 Walnut, Kansas City, Mo.
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Grau Bros., 1662 Central av, Cincinnati, O.
Indianapolis Brush & Broom Mfg. Co., 26 Brush, Indianapolis, Ind.
Lay Jos. Co., Ridgeville, Ind.
Mass. Commission for the Blind, Cambridge, Mass.
Miller A. P. Supply Co. Inc., 441 W 16th, New York
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Ox Fibre Brush Co., 500 East Church, Frederick, Md.
See adv index at end of book
Paramount Brush & Broom Co., Inc., 100 Greenwich, New York

1502— Brooms (Corn)

Alabama Broom & Mattress Co., Huntsville, Ala.
American Broom Mfg. Co, Ltd., Short & Edenburg, New Orleans, La.
American Broom & Brush Co. (Rattan, Broom Corn), Amsterdam, N. Y.
Amsterdam Broom Co. (Corn), Amsterdam, N. Y.
Anderson Gus., Salina, Kan.
Atlanta Woodenware Co., Atlanta, Ga.
Atlantic Southwestern Broom Co., 2d & Toone, Baltimore, Md.
Augusta Broom Works, Augusta, Ga.
Bardall J. C. Co. (Standard, Carpet, Brace, Spiral, Steamboat, Cane, etc), Moundsville, W. Va.
Beisley David, Wamego, Kan.
Bookhop F. H. (Floor, Sink, Whisk), 151 38th, Brooklyn, N. Y.
Boyer A. Broom Co., Galesburg, Ill.
Burton A. & E. & Co., 73 Pearl, Boston, Mass.
Cahill Jos. P., 820 W 51st pl, Chicago, Ill.
Central Broom Co., Jefferson City, Mo.
Chattanooga Broom & Mop Co. ("Uneeda," "Nemo," "Ideal," "Vim," "Elite," "Redfeather," "Sunflower," "Atlas," "Lilly," "Banner," "Regal," "Opal," "Onyx," "Mecca," "Crown," "Ostrich"), Chattanooga, Tenn.
Cleveland Society for the Blind, 2275 E. 55th, Cleveland, O.
Collins Bros., Lawrence, Mass.
Congleton J., New Philadelphia, O.
Conrad John & Co., Everett, Mass.
Cremering Bros., 216 W Pearl, Cincinnati, O.
Cronkrite L. R., Williamsport, Pa.
Culicover M., 41 Fulton, New York
Dean O. M. & Sons, 218 Summer, Worcester, Mass.
De Roo P. Sons, Wade & Borton, Cincinnati, O.
Derrick Broom Factory, San Jose, Cal.
Deshler Broom Factory ("Fancy Parlor," "Little Queen," "Luster Band," "Meadow Gold," "Victoria," "White Lilly," "Deshler's," Hide), Deshler, Neb.
Des Moines Broom Co., Des Moines, Ia.
Dobbertin A. C., Rochester, N. Y.
Dudgeon Co., Cane Valley, Ky.
Eaton J. C. & Co., Lydonville, Vt.
Eckhart A. J. Co. ("Sweepwell"), W 74th & Madison, Cleveland, Ohio
Evans Andrew J., Terre Haute, Ind.
Evans & Liddle, Lockport, N. Y.
Evansville Broom Co., 417 Fares av, Evansville, Ind.
Fairchild L. C., Greene, N. Y.
Feldmann L. & Co., 417 Montgomery, San Francisco, Cal.
Frankfort Broom Co., Frankfort, Ky.
Fulton H. K., Wilmington, Del.
Gardner Broom Co., Amsterdam, N. Y.
Gerhardt C. (Brewers', Steel Wire), 591 Hudson, N. Y.
Goeller's M. G. Sons (House, Stable, Warehouse, Ceiling, Whisk), **Circleville, O.**
Griffin Broom Co., Chanute, Kan.
Haisler Bros. Co. (Stable), 740 N Franklin, Chicago, Ill.
Halpin Nicholas F., Sr., Deerfield, N. Y.
Hamburg Broom Works, Hamburg, Pa.
Harrah & Stewart Mfg. Co. ("Little Polly"), Des Moines, Ia.
Hartman Broom Co., Clay Center, Kans.
Hatch E. W. & Son, Union City, Pa.
Hemingway Bros., Stockton, Cal.
Heyman-Weil Co. (Dlrs.), 720 Mission, San Francisco, Cal.
Hoag Duster Co. ("Iowa"), Monticello, Ia.
Hodges Broom Works, Atlanta, Ga.
Hoosier Mfg. Co., 1231 Roosevelt av, Indianapolis, Ind.
Howard Broom Co., 4444 Ravenswood av, Chicago, Ill.
Hugel Fred. & Son, Lawrence, Mass.
Imperial Broom Works, 172 N. May, Chicago, Ill.
Imperial Mfg. & Trading Co., 253 B'way, New York
Indianapolis Brush & Broom Mfg. Co. (Corn, Factory, Foundry, Mill, Railroad), 26 Brush, Indianapolis, Ind.
Jacobson-Peterson-Peltz & Kaufer Co., South Bend, Ind.
Kelley M. A. Broom Co., Leavenworth, Kan.
Kelly, Leonard & Forrester Co., Ogdensburg, N. Y.
Kuh Bros., Sioux Falls, S. D.
Lang Broom Co., Bidwell & Penna., N S, Pittsburgh, Pa.
Lay Jos. & Co. (Street, Stable, Push), Ridgeville, Ind.
Lee Broom & Duster Co., Davenport, Ia., & Lincoln, Neb.
Libman William, 1403 Blue Island av, Chicago, Ill.
Lillie O. E., Hiawatha, Kans.
Lyons John P., 153 Orlin av, S E, Minneapolis, Minn.
McIntosh & Alberts, 550 W 39th, Chicago, Ill.
Maiden Wm. M., Muscatine, Ia.

(Continued on following page)

Brooms (Corn)—Continued

Manzelmann, Chas., 3106 Bellevue av, Detroit, Mich.
Mass. Commission for the Blind ("Cambridge"), Cambridge, Mass.
Meder Bros., Minneapolis, Minn.
Meese Broom Co., Spokane, Wash.
Memphis Broom & Brush Co., 463 N Main, Memphis, Tenn.
Merkle-Wiley Broom Co. (Broom Corn), Paris, Ill.
Metzger Harry, Muscatine, Ia.
Meyer N., Green Bay, Wis.
Miller Broom Co., La Crosse, Wis.
Mohawk Valley Broom Co., Fonda, N. Y.
Montgomery Broom Mfg. Co., Grove City, Pa.
Muckenfuss Mfg. Co., Spartanburg, S. C.
Mulholland Wm., 82 Walker, New York
Myer-Bridges Co., Louisville, Ky.
National Broom Co. (Brooms & Whisk Brushes), Lockport, N. Y.
National Broom Mfg. Co., 945 Sandy blvd, Portland, Ore.
New Bremen Broom Co., New Bremen, O.
Noble Charles H., Thompsonville, Conn.
Noxon Broom Co., Avoca, N. Y.
Olson Broom Co., Sterling, Kan.
O K Broom Factory, 523 Cotton, Macon, Ga.
Opie J. W. Brush Co., 1422 McGee, Kansas City, Mo.
Osborn Mfg. Co. (Steel, Snow, Warehouse, etc., etc.), 5401 Hamilton av, Cleveland, O.
Otwell W. E. & Co., Linn, Kans.
Pacific Coast Brush & Broom Co., 1608 15th av W, Seattle, Wash.
Page Broom Co., Lawrence, Mass.
Partin M., Mobile, Ala.
Pauken John Broom Co., Maumee, O.
Phoenix Brush & Mfg. Co. (Steel Wire, Street Sweeping), 1046 W Van Buren, Chicago, Ill.
Pioneer Broom Co. (Corn), Amsterdam, N. Y.
Pirrung Mfg. Co., 4436 Greenview av, Chicago, Ill.
Plunkett Chas. ("Blue Ribbon"), 118 Warren, New York
Ramseur Broom Works, Ramseur, N. C.
Reading Broom Co., Blandon, Pa.
Richmond Broom Co., Richmond, Va.
Ripple S. A. & Bros., 1208 Ridgely, Baltimore, Md.
Rochester Brush Mfg. Co. (Bass, for House & Factory), Rochester, N. Y.
Rogers Broom Co., Washington, Ind.
Roseboom J. A. & Co., Mattoon, Ill.
Rosengren Ed., Lindsborg, Kans.
Round Rock Broom Co., Round Rock, Tex.
Royal Broom Co., 1419 Center, Tacoma, Wash.
Scheninger J. A. & Bros., Syracuse, N. Y.
Scoville M. G. Sons Co., Ogden, Utah
Sebastian Bros. Odin, Ill.
Shanaman W. B, Reading, Pa.
Sider H. & Son, 1311 Blue Island av, Chicago, Ill.
Simpson Brush & Broom Co., 1274 Folsom, San Francisco, Cal.
Southern Broom Mfg. Co., Atlanta, Ga.
Southwestern Broom Mfg. Co., 701 9th av, Evansville, Ind.
Spickett Broom Co., Lawrence, Mass.
Standard Woodenware Co. Inc., 830 Traction av., Los Angeles, Cal.
Supple Wm., Topeka, Kans.
Tate R. L., Paducah, Ky.
Thompson Leon C., Concord, N. H.
Twitchell-Champlin Co., 252 Coml., Portland, Me.
United States Broom & Brush Co. (Brooms and Whisks, 130 N. Wells, Chicago
United States Broom & Duster Co., 1812 W 13th, Chicago, Ill.
Universal Broom Co. ("Uneeda," "Nemo," "Ideal," "Vim," "Elite," "Redfeather," "Sunflower," "Atlas," "Lilly," "Banner"), W 13th & Cowart, Chattanooga, Tenn.
Urbana Broom Co. (Whisk), Urbana, O.
Van Laak Mfg. Co., 3281 Harrison, San Francisco, Cal.
Ward J. B. & Sons, Paterson, N. J.
Washington Broom & Woodenware Co., Seattle, Wash.
Waterloo Broom Co., Waterloo, Ind.
Wetherbee Geo. C. & Co., 424 Jefferson av, Detroit, Mich.
Weymer A. F. Co. (Whisk), Syracuse, N.Y.
White Valentine Co., Urbana, O.
Whitmyer H., Schenectady, N. Y.
Wichita Falls Broom Mfg. Co., Wichita Falls, Tex.
Windsor Mfg. Co., Windsor, Mo.
Wittemeir's F. Sons, Fort Hunter, N. Y.
Zan Bros., Inc., 691 York, Portland, Ore.

1503— Brooms (Floor)

Atlanta Brush Co., Atlanta, Ga.
Fuller Brush Co., 647 Main, Hartford, Conn.
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Indianapolis Brush & Broom Mfg. Co., 26 Brush, Indianapolis, Ind.
Lang Broom Co., Bidwell & Penna. av, N S, Pittsburgh, Pa.
Los Angeles Brush Mfg. Co. ("Angelus"), 716 Towne av., Los Angeles, Cal.
Osborn Mfg Co. (Fibre, Hair, Mixed Hair, Mixed Bristle, Combination, etc.), 5401 Hamilton av, Cleveland, O.
Ox Fibre Brush Co., 500 East Church, Frederick, Md.
See adv index at end of book
Paramount Brush & Broom Co. Inc., 100 Greenwich, New York

Brooms (Foundry)

See Brooms, Push; also Brooms, Steel Wire

Brooms (Frog & Switch)

See Brooms & Brushes, Track

1504—Brooms (Metal Bound Mill)

Atlanta Brush Co. ("Felco," Jobbers), Atlanta, Ga.
Darby Edw. J. & Son, 319 Vine, Philadelphia, Pa. *See adv index at end of book*
Hamburg Broom Works, Hamburg, Pa.
Hendee C. C. Co., 801 Broadway, Milwaukee, Wis.
Indianapolis Brush & Broom Mfg. Co., 26 Brush, Indianapolis, Ind.
Lang Broom Co., Bidwell & Penna. av, Pittsburgh, Pa.
Lay Jos. Co., Ridgeville, Ind.
Mass. Commission for the Blind ("Endurance," "Cambridge"), Cambridge, Mass.
Merkle-Wiley Broom Co., Paris, Ill.
Muse Broom Co., 1727 Sinto, Spokane, Wash.
Opie J. W. Brush Co., 1422 McGee, Kansas City, Mo.
Osborn Mfg. Co., 5401 Hamilton av, Cleveland, O.
Paramount Brush & Broom Co., Inc., 100 Greenwich, New York.
Richmond Broom Co., Richmond, Va.
Simpson Brush & Broom Co., 1274 Folsom, San Francisco, Cal.
Sunset Broom & Brush Co. ("Sunset"), 851 Treat av, San Francisco, Cal.
Thompson, Leon C., Concord, N. H.

1505— Brooms (Push)

See also Brooms, Street Sweeping

Atlanta Brush Co. ("Felco," Jobbers), Atlanta, Ga.
Bookhop F. H., 151 38th, Brooklyn, N. Y.
Browne F. W. (Wire), Farmington, N. H.
Chattanooga Broom & Mop Co., W 13th & Cowart, Chattanooga, Tenn.
Darby Edw. J. & Son, 319 Vine, Phila, Pa. *See adv index at end of book*
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Grau Bros., 1662 Central av, Cincinnati, O.
Haisler Bros. Co., 740 N Franklin, Chicago, Ill.
Hamburg Broom Works, Hamburg, Pa.
Hendee C. C. Co. (Wire), 801 Broadway, Milwaukee, Wis.
Holcomb J. I. Mfg. Co., 1543 Van Buren, Indianapolis, Ind.
Indianapolis Brush & Broom Mfg. Co. ("Capital," Rattan, Bamboo, African Bass, Wire, etc), 26 Brush, Indianapolis, Ind.
Lang Broom Co., Bidwell & Penna. av. N S, Pittsburgh, Pa.
Lay Jos. Co. ("Victor"), Ridgeville, Ind.
Los Angeles Brush Mfg. Co. ("Angelus"), 716 Towne av., Los Angeles, Cal.
Manhattan Hickory Broom Co., 171 3d av, New York
Merkle-Wiley Broom Co., Paris, Ill.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Mulholland Wm., 82 Walker, New York
Opie J. W. Brush Co., 1422 McGee, Kansas City, Mo.
Osborn Mfg. Co. (Fibre, Wire Bamboo, etc., etc.), 540 Hamilton av, Cleveland, O.
Ox Fibre Brush Co., 500 East Church, Frederick, Md.
See adv index at end of book
Paramount Brush & Broom Co. Inc., 100 Greenwich, New York
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.
Thompson Leon C., Concord, N. H.
Universal Broom Co., 13th & Cowart, Chattanooga, Tenn.
Universal Brush Co. (Factory and Home), Freeport, Ill.

1506— Brooms (Rattan)

Bookhop F. H., 151 38th, Brooklyn, N. Y.
Boyer A. Broom Co., Galesburg, Ill.
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Indianapolis Brush & Broom Mfg. Co. ("Capital"), 26 Brush, Indianapolis, Ind.
Lay Jos. Co. (Push, etc), Ridgeville, Ind.
Meese Broom Co., 1727 Sinto, Spokane, Wash.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Opie J. W. Brush Co., 1422 McGee, Kansas City, Mo.
Osborn Mfg. Co., 5401 Hamilton av, Cleveland, O.
Ox Fibre Brush Co., 500 East Church, Frederick, Md.
See adv index at end of book
Paramount Brush & Broom Co. Inc., 100 Greenwich, New York.
Reading Broom Co., Blandon, Pa.
Richmond Broom Co., Richmond, Va.
Sunset Broom & Brush Co. ("Sunset"), 851 Treat av, San Francisco, Cal.
Zelnicker Walter Supply Co. (Also Bamboo & Japanese Fibre Dealer), 825 Locust, St. Louis, Mo.

1507—Brooms (Rotary Snow)

Consolidated Car Fender Co., Vale, Providence, R. I.
Estey Bros. Co., 270 Union av., Brooklyn, N. Y. *See adv index at end of book*
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.

1508—, Brooms (Steel Wire)

Darby Edw. J. & Sons, 319 Vine, Phila., Pa. *See adv index at end of book*
Felton D. D. Brush Co., Atlanta, Ga.
Gerhardt C. (For Brewers, etc), 591 Hudson, New York
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Indianapolis Brush & Broom Mfg. Co., 26 Brush, Indianapolis, Ind.
Lay Jos. Co. (Push, etc), Ridgeville, Ind.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Osborn Mfg. Co., 5401 Hamilton av, Cleveland, O.
Paxson J. W. Co., Dept. H, Nicetown Lane & D, Phila., Pa.
Pilley's Packing & Flue Brush Co., 604-608 S. 3rd, St. Louis, Mo.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.
Simpson Brush & Broom Co., 1274 Folsom, San Francisco, Cal.
Worcester Brush & Scraper Co. ("Royal Worcester"), 456 Park av, Worcester, Mass.

1509—Brooms (Street Sweeping)

Dennis W. J. & Co. (Steel, Wire), 2120 W Lake, Chicago, Ill.
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Holcomb J. I. Mfg. Co., 1543 Van Buren, Indianapolis, Ind.
Hvass & Co., 508 E 19th, New York
Indianapolis Brush & Broom Mfg. Co., 26 Brush, Indianapolis, Ind.
Los Angeles Brush Mfg. Co. ("Angelus"), 716 Towne av., Los Angeles, Cal.
Mass. Commission for the Blind, Cambridge, Mass.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Opie J. W. Brush Co., 1422 McGee, Kansas City, Mo.
Osborn Mfg. Co., 5401 Hamilton av, Cleveland, Ohio
Ox Fibre Brush Co., 500 East Church, Frederick, Md.
See adv index at end of book
Paramount Brush & Broom Co., Inc., 100 Greenwich, New.
Pirrung Mfg. Co. (Wire), 4436 Greenview av, Chicago, Ill.
Simpson Brush & Broom Co., 1274 Folsom, San Francisco, Cal.
Sunset Broom & Brush Co. ("Sunset"), 851 Treat av, San Francisco, Cal.
Zan Bros. Inc., 50 Front, Portland, Ore.

1510—Brooms (Street Sweeping Machines)

Darby Edw. J. & Sons, 319 Vine, Phila., Pa. *See adv index at end of book*
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.
Osborn Mfg. Co., 5401 Hamilton av, Cleveland, O.

1511—Brooms (Street & Stable)

Atlanta Brush Co., Atlanta, Ga.
Bardall J. C. Co., Moundsville, W. Va.
Blumenthal H. & Co., 241 Centre, New York
Bookhop F. H., 151 38th, Brooklyn, N. Y.
Boyer A. Broom Co., Galesburg, Ill.
Chicago Brush Mfg. Co. ("Arrow Head," "Chicbrush"), 28 W Kinzie, Chicago, Ill.
Darby Edw. J. & Sons, 319 Vine, Phila., Pa. *See adv index at end of book*
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Harrah & Stewart Mfg. Co., Des Moines, Ia.
Herbert Brush Mfg. Co., Kingston, N. Y.
Indianapolis Brush & Broom Mfg. Co., 26 Brush, Indianapolis, Ind.
Los Angeles Brush Mfg. Co. ("Angelus"), 716 Towne av., Los Angeles, Cal.
Mass. Commission for the Blind, Cambridge, Mass.
Meese Broom Co., 1727 Sinto, Spokane, Wash.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Opie J. W. Brush Co., 1422 McGee, Kansas City, Mo.
Osborn Mfg. Co., 5401 Hamilton av, Cleveland, O.
Ox Fibre Brush Co. ("Ox Fibre"), 500 East Church, Frederick, Md.
Paramount Brush & Broom Co., Inc., 100 Greenwich, New York
Reading Broom Co., Blandon, Pa.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.
Sunset Broom & Brush Co. ("Sunset"), 851 Treat av, San Francisco, Cal.

1511a—Brooms (Warehouse, Mill & Factory)

Atlanta Brush Co. (Jobbers), Atlanta, Ga.
Darby Edw. J. & Sons, 319 Vine, Phila., Pa.
Hoosier Mfg. Co., 1231 Roosevelt av, Indianapolis, Ind.
Meese Broom Co., 1727 Sinto, Spokane, Wash.
National Broom Mfg. Co., 945 Sandy blvd, Portland, Ore.
Osborn Mfg. Co., 5401 Hamilton av, Cleveland, O.
Ox Fibre Brush Co., 500 E. Church, Frederick, Md. *See adv index at end of book*
Wilson Co., Greenville, S. C.

1512— Brooms (Whisk)

Amsterdam Broom Co., Amsterdam, N. Y.
Baltimore Broom Works, 2105 Eastern av, Baltimore, Md.
Bardall J. C. Co., Moundsville, W. Va.
Bookhop F. H., 151 38th, Brooklyn, N. Y.
Burton A. & E. & Co., 73 Pearl, Boston, Mass.
Celluloid Co., 36 Washington pl, New York
Chattanooga Broom & Mop Co., W 13th & Cowart, Chattanooga, Tenn.
Des Moines Broom Co., Des Moines, Ia.
Deshler Broom Factory ("Whalebone Barber"), Deshler, Neb.
Harrah & Stewart Mfg. Co., Des Moines, Hoag Duster Co., Monticello, Ia.
Indianapolis Brush & Broom Mfg. Co. ("Capital"), 26 Brush, Indianapolis, Ind.
Lang Broom Co., Bidwell & Penna. av, N S, Pitsburgh, Pa.
Lee Broom & Duster Co. ("Lee"), Lincoln, Neb.
Manzelmann Chas., 3106 Bellevue av, Detroit, Mich.
Meese Broom Co., 1727 Sinto, Spokane, Wash.
Miller Broom Co., La Crosse, Wis.
Mohawk Valley Broom Co., Fonda, N. Y.
Muckenfuss Mfg. Co., Spartanburg, S. C.
National Broom Mfg. Co., 945 Sandy blvd, Portland, Ore.
New Bremen Broom Co., New Bremen, O.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, O.
Ox Fibre Brush Co., 500 E. Church, Frederick, Md. *See adv index at end of book*
Pioneer Broom Co., Amsterdam, N. Y.
Ripple S. A. & Bros., 1208 Ridgely, Baltimore, Md.
Saart Bros. (Sterling Silver Mounted only), Attleboro, Mass.
Southern Broom Mfg. Co., 701 9th av, Atlanta, Ga.
Southwestern Broom Mfg. Co., Evansville, Ind.
Universal Broom Co., 13th & Cowart, Chattanooga, Tenn.
Universal Brush Co., Freeport, Ill.
Urbana Broom Co., Urbana, O.
Western Brush Co., 3106 Bellevue av, Detroit, Mich.
Weymer A. F. Co., Syracuse, N. Y.
Whitney Henry & Co., Amsterdam, N. Y.
Wittemeier's F. Sons, Fort Hunter, N. Y.

1513-4—Brooms & Brushes (Track)

Brown, Lewis A. Co., 196 State, Boston, Mass.
Colonial Supply Co. ("Colonial," "Continental"), 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Darby Edw. J. & Son, 319 Vine, Phila., Pa. *See adv index at end of book*
Indianapolis Brush & Broom Mfg. Co. ("Capital"), 26 Brush, Indianapolis, Ind.
Lay Jos. Co. ("Victory"), Ridgeville, Ind.
Mass. Commission for the Blind ("Pendergast"), Cambridge, Mass.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Mulholland William, 82 Walker, New York
Osborn Mfg. Co., 5401 Hamilton av, Cleveland, O.
Pilley's Packing & Flue Brush Co., 604-608 S. 3rd, St. Louis, Mo.
Reading Broom Co. (Brooms), Blandon, Pa.
Worcester Brush & Scraper Co. ("Royal Worcester" Renewable), 456 Park av, Worcester, Mass.

Brush Machinery

See Machinery Section

1515—*Brush Sets (Silver Plated)

International Silver Co., Meriden, Conn.

1516— Brushes (Air)

See also Brushes, Pneumatic Spray

Baker Brush Co. (For Sign or Show Card Work), 83 Grand, New York
BINKS SPRAY EQUIPMENT CO., 3129 Carroll av, Chicago, Ill.
Decora Mfg. Co. ("Decora"), 201 Nevin av, Richmond, Cal.
De Vilbiss Mfg. Co. ("De Vilbiss" System), 3762 Detroit, Toledo, Ohio
Eclipse Air Brush Co. ("Eclipse"), 79 Orange, Newark, N. J.
Eureka Pneumatic Spray Co., 8728 130th, Brooklyn, N. Y.
Holton B. E. Co. ("Crown"), 1007 S. Figueroa, Los Angeles, Cal.
Ideal Air Brush Co., 203 Lafayette, New York
L. A. Utility Mfg. Co. ("Utility"), 215 E Washington, Los Angeles, Cal.
MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Paasche Air Brush Co. ("Paasche"), 1909 Diversey pkway, Chicago, Ill.
Thayer & Chandler (Fountain), 913 W Vanburen, Chicago, Ill.
Utility Products Co. ("Utility"), 215 E Washington, Los Angeles, Cal.
Wold Air Brush Mfg. Co., 2173 N. Calif., Chicago, Ill.

Brushes (Artists')

See Brushes, Paint, Kalsomine, Varnish, etc

1516a— Brushes (Automobile)

Atlanta Brush Co., Atlanta, Ga.
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Ideal Specialties Mfg. Corp. ("Ideal"), 552 Pearl, New York
LE VALLEY VITAE CARBON BRUSH CO. (Carbon & graphite brushes for starting motors and generators), 70-100 E 45th, New York *See adv index at end of book*
Mill-Rose Co., 2499 E. 79th, Cleveland, Ohio
Osborn Mfg. Co., 5401 Hamilton av, Cleveland, O.
Ox Fibre Brush Co., 500 E. Church, Frederick, Md. *See adv index at end of book*
Pittsburgh Brush Co., 324 Liberty av, Pittsburgh, Pa.
Speer Carbon Co., St. Marys, Pa.
Universal Brush Co. (Dusting), Freeport, Ill.
Universal Carbon Co., Dundee, Ill.

1517—Brushes (Auto Washing)

Adler Brush Co., 132 N. Broadway, Los Angeles, Cal.
Atlanta Brush Co., Atlanta, Ga.
Better Brushes Inc. ("Better"), Palmer, Mass.
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Hygenia Brush Co., 387 Main, Worcester, Mass.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
North Ridge Brush Co., Freeport, Ill.
Ox Fibre Brush Co., 500 E. Church, Frederick, Md. *See adv index at end of book*
Paramount Brush & Broom Co., Inc., 100 Greenwich, New York
Pittsburgh Brush Co., 324 Liberty av, Pittsburgh, Pa.
Rubberset Co., 56 Ferry, Newark, N. J.
Universal Brush Co., Freeport, Ill.

1518— Brushes (Bakers')

Chicago Brush Mfg. Co. ("Arrowhead" & "Chicbrush"), 28 W Kinzie, Chicago, Ill.
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Osborn Mfg. Co., 5401 Hamilton av, Cleveland, O.
Paramount Brush & Broom Co., Inc., 100 Greenwich, New York
Pittsburgh Brush Co., 324 Liberty av, Pittsburgh, Pa.
Pollock Brush Co., 25-27 N 4th, Easton, Pa.
Rubberset Co., 56 Ferry, Newark, N. J.
Tottle Wm. A. & Co., 124 Hanover, Baltimore, Md.
Wooster Brush Works, Wooster, Ohio

1519—Brushes (Barrel & Keg Scrubbing Machine)

Braun, Paul, 1622 Decatur, Brooklyn, N. Y.
Gerhardt C. (For Brewers), 591 Hudson, N. Y.
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Holcomb J. I. Mfg. Co., 1543 Van Buren, Indianapolis, Ind.
Lay Jos. Co. (Carved), Ridgeville, Ind.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Opie J. W. Brush Co., 1422 McGee, Kansas City, Mo.
Osborn Mfg. Co., 5401 Hamilton av, Cleveland, O.
Paramount Brush & Broom Co., Inc., 100 Greenwich, New York
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.

1520-1— Brushes (Bath)

Adler Brush Co., 132 N. Broadway, Los Angeles, Cal.
Ames, Bonner Co. ("A. B. C."), Toledo, O.
Better Brushes Inc. ("Better"), Palmer, Mass.
Burton A. & E. & Co., 73 Pearl, Boston, Mass.
Carbon Products Co., Lancaster, Ohio
Celluloid Co., 36 Washington pl, New York
Costello J. S. & Son Brush Co., 1108H Pine, St. Louis, Mo.
Fuller Brush Co., 647 Main, Hartford, Conn.
Gibson Geo. R. Co., 11 E 26, New York
Herbert Brush Mfg. Co., Kingston, N. Y
Indianapolis Brush & Broom Mfg. Co., 26 Brush, Indianapolis, Ind.
New Jersey Brush Co. (Vegetable Fibre), Bloomfield, N. J.
North Ridge Brush Co., Freeport, Ill.
Ox Fibre Brush Co., 500 E. Church, Frederick, Md. *See adv index at end of book*
Rubberset Co. ("Rubberset"), 56 Ferry, Newark, N. J.
Standard Brush Co. ("Favorite," "Handy," "Perfection," "Ideal"), New Hartford, Conn.
Universal Brush Co., Freeport, Ill.
Whiting J. L.-Adams J. J. Co., 690 Harrison av, Boston, Mass.

Brushes (Bench)

See Brushes, Platers, Polishers, etc. See also Duster Mfrs.

1522—Brushes (Billiard Table)

Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Holcomb J. I. Mfg. Co., 1543 Van Buren, Indianapolis, Ind.
Pollock Brush Co., 25-27 N 4th, Easton, Pa.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.
Standard Brush Co., New Hartford, Conn.

Brushes (Boiler Flue)

See Cleaners, Boiler Flue & Tube, Brushes

1522a— Brushes (Bonnet)

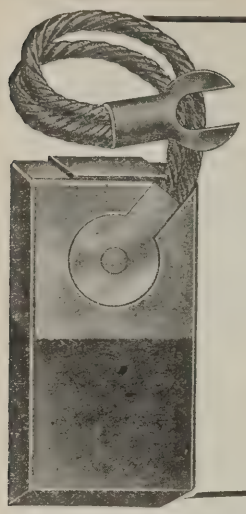
Celluloid Co., 36 Washington pl., New York
DU PONT E. I. DE NEMOURS & CO. INC., Pyralin Div. ("Pyralin," see Adv. at Celluloid), Arlington, N. J.
Gibson Geo. R. Co., 11 E 26, New York

1523—Brushes (Bookbinders')

Braun Paul, 1622 Decatur, Brooklyn, N. Y.
Burton A. & E. & Co., 73 Pearl, Boston, Mass.
Devoe & Raynolds Co. Inc., 101 Fulton, New York
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Rubberset Co. ("Rubberset"), 56 Ferry, Newark, N. J.
Tottle Wm. A. & Co., 124 Hanover, Baltimore, Md.

1524-5— Brushes (Bottle)

Adler Brush Co., 132 N. Broadway, Los Angeles, Cal.
Atlanta Brush Co., Atlanta, Ga.
Better Brushes Inc. ("Better"), Palmer, Mass.
Bradley & Smith, 251 Pearl, New York
Braun Paul, 1622 Decatur, Brooklyn, N. Y.
Burton A. & E. & Co., 73 Pearl, Boston Mass.
Creamery Package Mfg. Co., 61 W. Kinzie, Chicago, Ill.
Darby Edw. J. & Sons, 319 Vine, Phila., Pa. *See adv index at end of book*
Davis-Watkins Dairymen's Mfg. Co. ("Davis"), Dept. H, North Chicago, Ill.
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Hahn Arthur W., Twisted Wire, 199 Lafayette, New York.
Hendee C. C. Co. (Wire), 501 Broadway, Milwaukee, Wis.
Hertzberg H. & Son (Wire Twisted), 15 Mercer, New York
Herbert Brush Mfg. Co., Kingston, N. Y.
Holcomb J. I. Mfg. Co., 1543 Van Buren, Indianapolis, Ind.
Lafayette Brush & Mfg. Co. ("Thorobrush"), Lafayette, Pa.
Mill-Rose Co., 2499 E 79th, Cleveland, Ohio
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Morck Brush Mfg. Co., 8th & Tehama, San Francisco, Cal.
North Ridge Brush Co., Freeport, Ill.
Opie J. W. Brush Co., 1422 McGee, Kansas City, Mo.
Osborn Mfg. Co., 5401 Hamilton av, Cleveland, Ohio
Pacific Coast Brush & Broom Co., 1608 15th av W, Seattle, Wash.
Paramount Brush & Broom Co., Inc., 100 Greenwich, New York
Pittsburgh Brush Co., 324 Liberty av, Pittsburgh, Pa.
Poggensee Brush Co., 1923 Armitage av, Chicago, Ill.
Pollock Brush Co., Easton, Pa.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.
Silver-Chamberlin Co. ("Nibco"), Clayton, N. J.
Tyer Rubber Co. (Wire), Andover, Mass.
Universal Brush Co., Freeport, Ill.
Worcester Brush & Scraper Co., 456 Park av, Worcester, Mass.



THE CONFIDENCE
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GENERAL OFFICE: 70-100 E. 45th St. NEW YORK, N. Y.
Carbon Brushes—Graphite Brushes—Electro-Graphite Brushes. Metallized Graphite Brushes of surpassing quality
Catalogue gives particulars

1526— Brushes (Brass Wire)

BARKER BROS., INC., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book

Brushes (Bowling Alley)

See Brushes, Floor Polishing

1527— Brushes (Brewers')

Blumenthal H & Co., 241 Centre, New York
Braun Paul, 1622 Decatur, Brooklyn, N. Y.
Gerhardt C., 591 Hudson, New York
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Grau Bros., 1662 Central av, Cincinnati, O.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Opie J. W. Brush Co., 1422 McGee, Kansas City, Mo.
Ox Fibre Brush Co., 500 E. Church, Frederick, Md. *See adv index at end of book*
Poggensee Brush Co., 1923 Armitage av, Chicago, Ill.
Pittsburgh Brush Co., 324 Liberty av, Pittsburgh, Pa.
Rochester Brush Mfg. Co., Rochester, N. Y.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.

1528—Brushes (Butchers' Block)

Braun Paul, 1622 Decatur, Brooklyn, N. Y.
Darby Edw. J. & Sons, 319 Vine, Phila., Pa. *See adv index at end of book*
Dennis W. J. & Co. (Steel Wire), 2120 W Lake, Chicago, Ill.
Hanlon & Goodman Co., 270 Pearl, New York
Manufacturers Brush Co., 1950 W 114th, Cleveland, Ohio
Miller A. P. Supply Co. Inc., 441 W 16th, New York
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Opie J. W. Brush Co., Kansas City, Mo.
Osborn Mfg. Co., 5401 Hamilton av, Cleveland, Ohio
Paramount Brush & Broom Co., Inc., 100 Greenwich, New York
Peerless Mfg. Co. ("Peerless") New Durham, N. H.
Pittsburgh Brush Co., 324 Liberty av, Pittsburgh, Pa.

1529—Brushes (Canners' Machine, Etc.)

Atlanta Brush Co., Atlanta, Ga.
Braun Paul, 1622 Decatur, Brooklyn, N. Y.
Creamery Package Mfg. Co., 61 W Kinzie, Chicago, Ill.
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Indianapolis Brush & Broom Mfg. Co. ("Capital"), 26 Brush, Indianapolis, Ind.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Osborn Mfg. Co., 5401 Hamilton av, Cleveland, Ohio.
Ox Fibre Brush Co., 500 E. Church, Frederick, Md. *See adv index at end of book*
Paramount Brush & Broom Co., Inc., 100 Greenwich, New York

Brushes (Car Washing)

See Brushes, Window

1530— Brushes (Carbon)

Baylis Co., Bloomfield, N. J.
Boxill & Bruel, 351 Transportation bldg, Indianapolis, Ind.
CALEBAUGH SELF-LUBRICATING CARBON CO., ("No Spark"), 1503 Columbia, Philadelphia, Pa.
Chapin Chas. E. Co., 227 Fulton, New York
Cooley Mfg. Co., Inc., 366 W B'way, New York
Corliss Carbon Co., Bradford, Pa.
Fleck Carbon Co., 390 Canal, New York
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Hart & Co. ("Langleben," Self Lubricating), Fostoria, O.
Jeandron W. J. ("Le Carbone"), 345 Madison av, New York
LE VALLEY VITAE CARBON BRUSH CO. (Self-Lubricating. Manufactured on the standards which have made Le Valley brushes the leaders for over a quarter century), 70-100 E 45th, New York
See adv index at end of book
Mikesell Bros. Co. (for Motors), Wabash, Ind. *See adv index at end of book*
Mitchell-Rand Mfg. Co., 26 Vesey, New York
National Carbon Co. ("Pyramid" Brand Graphite or Metal Composition), Thomson av & Orton, Long Island City, N. Y.
Ohio Carbon Co. (For Motors & Generators), Fulton pl, Cleveland, O.
Otter Mfg. Co. Inc., 62 9th av, New York
Perfection Supply Co., 98 Park pl, New York
Pittsburgh Carbon Brush Co., 512 E Diamond, Pittsburgh, N S, Pa.
Pure Carbon Co. (Tungsten Carbon), Wellsville, N. Y.
Sorgel Electric Co., Milwaukee, Wis.
Speer Carbon Co. ("Long Life," Self Lubricating), St. Marys, Pa.
Stackpole Carbon Co. (Self Lubricating), Dept. H, St. Marys, Pa.
U. S. Graphite Co., Saginaw, Mich.
Universal Carbon Co., Dundee, Ill.

1531-2—Brushes (Carpet Sweeper)

Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Lewis Samuel ("Clipper"), 73 Barclay, New York
Miles Bros. & Co., 1957 Pitkin av, Brooklyn, N. Y.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Pollock Brush Co., 25-27 N 4th, Easton, Pa.
Standard Brush Co., New Hartford, Conn.
Wooster Brush Co., Wooster, O.

Brushes (Casting, Steel Wire)

See Brushes, Steel Wire

1533— Brushes (Celluloid)

Booth & Boyd Lbr Co., Saginaw, Mich.
Celluloid Co., 36 Washington pl, New York
Gibson Geo. R. Co. 230 5th av, New York
Rubberset Co., 56 Ferry, Newark, N. J.

1534— Brushes (Chimney)

Atlanta Brush Co., Atlanta, Ga.
Braun Paul, 1622 Decatur, Brooklyn, N. Y.
Browne F. W. (Wire), Farmington, N. H.
Hahn Arthur W., Twisted Wire, 199 Lafayette, New York
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Peerless Mfg. Co. ("Peerless") New Durham, N. H.
Pollock Brush Co., 25-27 N 4th, Easton, Pa.

1534a— Brushes (Complexion)

Better Brushes Inc. ("Better"), Palmer, Mass.
Celluloid Co., 36 Washington pl, New York
Fuller Brush Co., 647 Main, Hartford, Conn.
Gibson Geo. R Co., 11 E 26, New York
Rubberset Co., 56 Ferry, Newark, N. J.
Universal Brush Co., Freeport, Ill.

Brushes (Copper)

See Brushes, Sheet Metal

1535— Brushes (Corn Drill)

Atlanta Brush Co., Atlanta, Ga.
Tottle Wm. A. & Co., 124 Hanover, Baltimore, Md.

1536— Brushes (Cuspidor)

Adler Brush Co., 132 N. Broadway, Los Angeles, Cal.
Atlanta Brush Co., Atlanta, Ga.
Braun Paul, 1622 Decatur, Brooklyn, N. Y.
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Holcomb J. I. Mfg. Co., 1543 Van Buren, Indianapolis, Ind.
Hoosier Mfg. Co., 501H W McCarthy, Indianapolis, Ind.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
North Ridge Brush Co., Freeport, Ill.
Opie J. W. Brush Co., 1422 McGee, Kansas City, Mo.
Osborn Mfg. Co., 5401 Hamilton av, Cleveland, Ohio.
Ox Fibre Brush Co., 500 E. Church, Frederick, Md. *See adv index at end of book*
Paramount Brush & Broom Co., Inc., 100 Greenwich, New York
Pollock Brush Co., 25-27 N 4th, Easton, Pa.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.
Universal Brush Co., Freeport, Ill.

1537—Brushes (Cylinder or Wheel Bottom)

Braun Paul, 1622 Decatur, Brooklyn, N. Y.
Burton A. & E. & Co., 73 Pearl, Boston, Mass.
Darby Edw. J. & Sons, 319 Vine, Phila., Pa. *See adv index at end of book*
Felton D. D. Brush Co., Atlanta, Ga.
Ganser Chas., 659 E 36th, Los Angeles, Cal.
GERTS LUMBARD & CO. (Large), 2107 W Grand av, Chicago, Ill.
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Hanlon & Goodman Co., 270 Pearl, New York
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Paramount Brush & Broom Co., Inc., 100 Greenwich, New York
Pollock Brush Co., 25-27 N. 4th, Easton, Pa.
Schaefer, McLaughlin Co. (Cylinder), 395 Reed, Milwaukee, Wis.

1537a— Brushes (Dairy)

Atlanta Brush Co., Atlanta, Ga.
Braun Paul, 1622 Decatur, Brooklyn, N. Y.

PAUL BRAUN
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Manufacturers of BRUSHES for the DAIRY TRADE
1622 Decatur St., Brooklyn, N. Y.

Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Osborn Mfg. Co., 5401 Hamilton av, Cleveland, Ohio.
Ox Fibre Brush Co. ("Ox Fibre"), 500 E Church, Frederick, Md.
Paramount Brush & Broom Co., Inc., 100 Greenwich, New York

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Fine Wire Brushes
Push or Street Brooms
Boiler and Flue Brushes

Butchers' and Packers' Brushes
Dairy and Creamery Brushes
Foundry Brushes
Machine Shop Brushes
Wire Wheel Brushes
Wire Casting Brushes

1537b— Brushes (Dry Cleaners)

Atlanta Brush Co. ("Perkins Practical"), Atlanta, Ga.
Braun Paul, 1622 Decatur, Brooklyn, N. Y.
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Osborn Mfg. Co., 5401 Hamilton av, Cleveland, Ohio.
Ox Fibre Brush Co., 500 E. Church, Frederick, Md. *See adv index at end of book*
Paramount Brush & Broom Co., Inc., 100 Greenwich, New York
Universal Brush Co., Freeport, Ill.

1538— Brushes (Dust)

Adler Brush Co., 132 N. Broadwy, Los Angeles, Cal.
Baird Brush Mfg. Co., 1109 36th, Oakland, Cal.
Better Brushes Inc. ("Better"), Palmer, Mass.
Bradley & Smith, 251 Pearl, New York
Carroll Bros. & Co., 415 W Baltimore, Baltimore, Md.
Coast Brush Mfg. Co., 1347 S Tacoma, Tacoma, Wash.
Costello, J. S. & Son, Brush Co., 1108H Pine, St. Louis, Mo.
Felton D. D. Brush Co., Atlanta, Ga.
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Grand Rapids Brush Co., Grand Rapids, Mich.
Indianapolis Brush & Broom Mfg. Co., 26 Brush, Indianapolis, Ind.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Morck Brush Mfg. Co., 8th & Tehama, San Francisco, Cal.
North Ridge Brush Co., Freeport, Ill.
Opie J. W. Brush Co., 1422 McGee, Kansas City, Mo.
OX FIBRE BRUSH CO. ("Ox Fibre"), 500 E. Church, Frederick, Md.
See adv index at end of book
Paramount Brush & Broom Co., Inc., 100 Greenwich, New York
Pittsburgh Brush Co., 324 Liberty av, Pittsburgh, Pa.
Pollock Brush Co., Easton, Pa.
R. I. Brush Co. (Reversible), 50 Daniel av, Providence, R. I.
Richards Brush Co., 1001 Dearborn, Seattle, Wash.
Rubberset Co., 56 Ferry, Newark, N. J.
Tate E. H. Mop & Cordage Co., 67 Sudbury, Boston, Mass.
Thurnauer G. M. Co. (Hearth), 6 E. 20th, New York
Tottle Wm. A. & Co., 124 Hanover, Baltimore, Md.
Universal Brush Co., Freeport, Ill.
Western Brush Co., 3106 Bellevue av, Detroit, Mich.
Whiting John L.-J. J. Adams Co., 690 Harrison av, Boston, Mass.
Wooster Brush Co., Wooster, O.

1539—Brushes (Dustless Floor)

Better Brushes Inc. ("Better"), Palmer, Mass.
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Inlaid Floor Co., 600 Alabama, San Francisco, Cal., & 4067 Watts, Emeryville, Call.
Milwaukee Dustless Brush Co., 22d & Sycamore, Milwaukee, Wis.
North Ridge Brush Co., Freeport, Ill.
Opie J. W. Brush Co., 1422 McGee, Kansas City, Mo.
Pittsburgh Brush Co., 324 Liberty av, Pittsburgh, Pa.
Pollock Brush Co., 25-27 N 4th, Easton, Pa.
Tate E. H. Mop & Cordage Co. ("Best Quality"), 67 Sudbury, Boston, Mass.
Universal Brush Co., Freeport, Ill.

1540—Brushes (Fibre, Vegetable)

Atlanta Brush Co., Atlanta, Ga.
Better Brushes Inc. ("Better"), Palmer, Mass.
Ganser Cylinder Brush Co., 3631 S Park av, Los Angeles, Cal.
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Los Angeles Brush Mfg. Co. ("Angelus"), 716 Towne av, Los Angeles, Cal.
Manufacturers Brush Co., 1950 W. 114th, Cleveland, Ohio
National Brush Co. (Wooden Back and Staple), Aurora, Ill.
New Jersey Brush Co. ("Enjabeco), Bloomfield, N. J.
North Ridge Brush Co., Freeport, Ill.
Ox Fibre Brush Co., ("Ox Fibre"), 500 E Church, Frederick, Md.
Paramount Brush & Broom Co., Inc., 100 Greenwich, New York
Pollock Brush Co., 25-27 N 4th, Easton, Pa.
Richards Brush Co., 1001 Dearborn, Seattle, Wash.
Rider-Upright Mfg. Co., Inc., 936 S. Main, Los Angeles, Cal.
Silver-Chamberlin Co. ("Nibco"), Clayton, N. J.
Universal Brush Co. ("Palmyra," "Hygiene" Bowl & Bath Tubs), Freeport, Ill.

Brushes (File)

See Cards, File

1541—Brushes (Floor Polishing)

Atlanta Brush Co., Atlanta, Ga.
Baum Bros. Co., Glenarm pl, Denver, Colo.
Bradley & Smith, 251 Pearl, New York
Braun Paul, 1622 Decatur, Brooklyn, N. Y.
Burton A. & E. & Co., 73 Pearl, Boston, Mass.
Costello, J. S. & Son, Brush Co., 1108H Pine, St. Louis, Mo.
Devoe & Raynolds Co. Inc., 101 Fulton, New York
Duncan Bros. & Wray Co. ("Ideal"), Ludlow Falls, O.
French Sam'l H. & Co., 4th & Callowhill, Phila., Pa.
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Holcomb J. I. Mfg. Co., 1543 Van Buren, Indianapolis, Ind.
Hoosier Mfg. Co., 1231 Roosevelt av, Indianapolis, Ind.
Los Angeles Brush Mfg. Co. ("Angelus"), 716 Towne av, Los Angeles, Cal.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Morck Brush Mfg. Co., 8 & Tehama, San Francisco, Cal.
New Jersey Brush Co., Bloomfield, N. J.
Osborn Mfg. Co., 5401 Hamilton av, Cleveland, Ohio.
Ox Fibre Brush Co., 500 E. Church, Frederick, Md. *See adv index at end of book*
Paramount Brush & Broom Co., Inc., 100 Greenwich, New York
Richards Brush Co., 1001 Dearborn, Seattle, Wash.
Simpson Brush & Broom Co., 1274 Folsom, San Francisco, Cal.
Standard Brush Co., New Hartford, Conn.
Tottle Wm. A. & Co., 124 Hanover, Baltimore, Md.
Whiting J. L.-Adams J. J. Co., 690 Harrison av, Boston, Mass.
Wood-Mosaic, New Albany, Ind.

1542-3—Brushes (Floor Sweeping)

American Brush Mfg. Co., 97 Union, Portland, Ore.
Atlanta Brush Co., Atlanta, Ga.
Baird Brush Mfg. Co. ("Baird"), 1109 36th, Oakland, Cal.
Better Brushes Inc. ("Better"), Palmer, Mass.
Burton A. & E. & Co., 73 Pearl, Boston, Mass.
Carroll Bros. & Co., 415 W Baltimore, Baltimore, Md.
Chicago Brush Mfg. Co. ("Arrowhead," "Chicbrush"), 28 W Kinzie, Chicago, Ill.
Coast Brush Mfg. Co., 1347 S Tacoma, Tacoma, Wash.
Costello, J. S. & Son Brush Co., 1108H Pine, St. Louis, Mo.
Felton S. A. & Son Co., Manchester, N. H.
Friedlander Paul N., 46 E 14th, New York
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Hanlon & Goodman Co., 270 Pearl, New York
Herbert Brush Mfg. Co., Kingston, N. Y.
Heyman-Weil Co. (Dlrs.), 720 Mission, San Francisco, Cal.
Holcomb J. I. Mfg. Co., 1543 Van Buren, Indianapolis, Ind.
Hoosier Mfg. Co., 1231 Roosevelt av, Indianapolis, Ind.
Indianapolis Brush & Broom Mfg. Co. ("Capital," Fibre, Hair, Bristles, etc), 26 Brush, Indianapolis, Ind.
Los Angeles Brush Mfg. Co. ("Angelus"), 716 Towne av, Los Angeles, Wash.
Manzelmann, Chas, 3106 Bellevue av, Detroit, Mich.
Mill-Rose Co., 2499 E. 79th, Cleveland, Ohio
Milton Chemical Co. ("B-B," Dustless), 156 Sixth, Cambridge, Mass.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Morck Brush Mfg. Co., 8th & Tehama, San Francisco, Cal.
New Jersey Brush Co., Bloomfield, N. J.
North Ridge Brush Co., Freeport, Ill.
Opie J. W. Brush Co., 1422 McGee, Kansas City, Mo.
Osborn Mfg. Co., 5401 Hamilton av, Cleveland, Ohio.
Ox Fibre Brush Co. ("Ox Fibre"), 500 E. Church, Frederick, Md.
Paramount Brush & Broom Co., Inc., 100 Greenwich, New York
Pirrung Mfg. Co., 4436 Greenview av, Chicago, Ill.
Pittsburgh Brush Co., 324 Liberty av, Pittsburgh, Pa.
Pollock Brush Co., Easton, Pa.
Portland Brush Wks., 109 Grand av, Portland, Ore.
Rhode Island Brush Co., 50 Daniel av, Providence, R. I.
Richards Brush Co., 1001 Dearborn, Seattle, Wash.
Rider-Upright Mfg. Co., Inc., 936 S. Main, Los Angeles, Cal.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.
Simpson Brush & Broom Co., 1274 Folsom, San Francisco, Cal.
Spring Handle Co., Abingdon, Ill.
Sunset Broom & Brush Co. ("Sunset"), 851 Treat av, San Francisco, Cal.
Universal Brush Co., Freeport, Ill.
Western Brush Co., 3106 Bellevue av, Detroit, Mich.
Whiting J. L.-Adams J. J. Co., 690 Harrison av, Boston, Mass.

Brushes (Floor Waxing)

See Brushes, Floor Polishing

1544— Brushes (Flue)

See also Brushes, Steel Wire
See also Cleaners, Flue

Browne F. W. (Wire), Farmington, N. H.
Burton A. & E. & Co., 73 Pearl, Boston, Mass.
Darby Edw. J. & Sons, 319 Vine, Phila., Pa.
See adv index at end of book
Lay Jos. Co., Ridgeville, Ind.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
North Ridge Brush Co., Freeport, Ill.
Osborn Mfg. Co., 5401 Hamilton av, Cleveland, Ohio.
Paramount Brush & Broom Co., Inc., 100 Greenwich, New York

(Continued on following page)

Brushes (Flue)—Continued

Peerless Mfg. Co. ("Peerless"), New Durham, N. H.
Pilley Packing & Flue Brush Mfg. Co., 604 S Third, St. Louis, Mo.
Pollock Brush Co., 25-27 N 4th, Easton, Pa.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.
Universal Brush Co., Freeport, Ill.

1544a—Brushes (Flue & Heater)

Darby Edw. J. & Sons, 319 Vine, Phila., Pa.
See adv index at end of book
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, Ohio.
Pollock Brush Co., 25-27 N 4th, Easton, Pa.

1545—Brushes (Foundry, Machine & Factory)

See also Brushes, Steel Wire

American Brush Mfg. Co., 97 Union, Portland, Ore.
Atlanta Brush Co., Atlanta, Ga.
Baird Brush Mfg. Co., 1109 36th, Oakland, Cal.
Bradley & Smith, 251 Pearl, New York
Braun Paul, 1622 Decatur, Brooklyn, N. Y.
Brown Cotton Gin Co., New London, Conn.
Browne F. W. (Wire Casting, etc), Farmington, N. H.
Burton A. & E. & Co., 73 Pearl, Boston, Mass.
Chicago Brush Mfg. Co. ("Arrow Head" "Chicbrush"), 28 W Kinzie, Chicago, Ill.
Clinton E. & Co., 1214 S 12th, Phila., Pa.
Coast Brush Mfg. Co., 1347 S Tacoma, Tacoma, Wash.
DARBY EDW. J. & SONS, 319 Vine, Phila., Pa.
See adv index at end of book
Dennis W. J. & Co. (Steel Wire), 2120 W Lake, Chicago, Ill.
Devoe & Raynolds Co., Inc. (Steel, Wire, etc.), 101 Fulton, New York
Earle Brush Co., Columbia, Pa.
Empire Brush Wks, 557 W Monroe, Chicago, Ill.
Federal Foundry Supply Co., 2639 E 79th, Cleveland, O.
Felton S. A. & Son Co., Manchester, N. H.
Ferris John, Jr., 400 B'way, Albany, N. Y
Flint Warren F. Co. (Steel), 74 India, Boston, Mass.
Foot Mfg. Co., 36 Germania av, Jersey City, N. J.
Gilbert & Bennett Mfg. Co. (Wire), Georgetown, Conn.
Goode W. P. Brush Co., 136 North, Boston, Mass.
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Haisler Bros. Co. (Machine, etc), 740 N Franklin, Chicago, Ill.
Hanlon & Goodman Co., 270 Pearl, New York
Hardy Frank H., Andover, Mass.
Herold Bros. Co., 741 Euclid av, Cleveland, Ohio
Holcomb J. I. Mfg. Co., 1543 Van Buren, Indianapolis, Ind.
Indianapolis Brush & Broom Mfg. Co. (Rattan Mixed), 26 Brush, Indianapolis, Ind.
Lafayette Brush & Mfg. Co. ("Thorobrush"), Lafayette, Pa.
Lay Jos. Co. (Bristle, Wire, etc), Ridgeville, Ind.
Los Angeles Brush Mfg. Co. ("Angelus"), 716 Towne av, Los Angeles, Cal.
McCormick J. S. Co., 25th A. V. R. R., Pittsburgh, Pa.
Manufacturers Brush Co., 1950 W. 114th, Cleveland, Ohio
Mason Brush Works, 553 Main, Worcester, Mass.
MILWAUKEE BRUSH MFG. CO., Milwaukee, Wis.
Morck Brush Mfg. Co., 8th & Tehama, San Francisco, Cal.
Mulholland William, 82 Walker, New York
National Brush Co., Aurora, Ill.
Opie J. W. Brush Co., 1422 McGee, Kansas City, Mo.
Osborn Mfg. Co. (Railroad Brushes), 5401 Hamilton av, Cleveland, O.
Ox Fibre Brush Co., 500 E. Church, Frederick, Md. *See adv index at end of book*
Packard A. & Co., 166 Commercial, Boston, Mass.
Paramount Brush & Broom Co., Inc., 100 Greenwich, New York
Paxson J. W. Co. (Steel Wire & Bristle), Nicetown Lane & D, Phila., Pa.
Peerless Mfg. Co. ("Peerless") New Durham, N. H.
Pilley's Packing & Flue Brush Co. (Steel Wire), 604-608 S. 3rd, St. Louis, Mo.
Pittsburgh Brush Co., 324 Liberty av, Pittsburgh, Pa.
POLLOCK BRUSH CO., 25-27 N 4th, Easton, Pa.
Portland Brush Wks., 109 Grand av, Portland, Ore.
Riddiford Bros. (Specialty Machine Brushes), 30 S Wells, Chicago, Ill.
Rochester Brush Mfg. Co., Rochester, N. Y.
Schaefer, McLaughlin Co. (Fdry., Mch. & Factory), 395 Reed, Milwaukee, Wis.
Shanafelt Mfg. Co. (Big Brush for the Foundry), Canton, O.
Stevens Frederic B., Inc., 3rd & Larned, Detroit, Mich.
See adv index at end of book
Thayer P. E. & Co., Pawtucket, R. I.
Thum Charles D., 150 N 3d, Phila., Pa.
Voelker Philip L., 2 Bucklin, Providence, R. I.
Ward J. B. & Sons, Paterson, N. J.
Warner Wm. R. & Co., 136 Centre, New York
Western Brush Co., 3106H Bellevue av, Detroit, Mich.
Woodison E. J. Co. (Wire & Hair), 1621 St. Aubin, Detroit, Mich.
Worcester Brush & Scraper Co. ("Royal" Worcester Casting Brush), 456 Park av, Worcester, Mass.

1545a— Brushes (Fountain)

Braun Paul, 1622 Decatur, Brooklyn, N. Y.
Diagraph Stencil Machine Corp., 1624 S Kingshighway, St. Louis, Mo.
Ideal Stencil Machine Co., 42 Ideal block, Belleville, Ill.
Marsh Stencil Machine Co., Belleville, Ill.
See adv index at end of book
Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa.
See adv index at end of book

1546—Brushes (Glass Cutters')

Atlanta Brush Co., Atlanta, Ga.
Braun Paul, 1622 Decatur, Brooklyn, N. Y
Indianapolis Brush & Broom Mfg. Co. ("Capital"), 26 Brush, Indianapolis, Ind.

1546a— Brushes (Glue)

Barker Bros., Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
Mfrs' Belt Hook Co., 1321 W. Congress, Chicago, Ill.
Rubberset Co. ("Rubberset"), 56 Ferry, Newark, N. J.

Brushes (Graining)

See Brushes, Paint, Varnish, etc.

1547— Brushes (Graphite)

Chapin Chas. E. Co., 227 Fulton, New York
Dixon, Joseph Crucible Co., Jersey City, N. J.
Fleck Carbon Co., 390 Canal, New York
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Graphite Metallizing Corp., Yonkers, N. Y
LE VALLEY VITAE CARBON BRUSH CO. (Graphite brushes to meet all requirements, uniformly smooth and free from grit), 70-100 E 45th, New York
See adv index at end of book
National Carbon Co., Thompson av & Orton, Long Island City, N. Y.
Ohio Carbon Co. (For Motors & Generators), Fulton pl, Cleveland, O.
Speer Carbon Co., St. Marys, Pa.
U. S. Graphite Co., Saginaw, Mich.

1548—Brushes (Hat, Clothes & Hair)

Adler Brush Co., 132 N. Broadwy, Los Angeles, Cal.
Alpha Brush Co. ("Porslyn," "Spotless"), Troy, N. Y.
Ames, Bonner Co. ("A. B. C."), Toledo, O.
Better Brushes Inc. ("Better"), Palmer, Mass.
Burton A. & E. & Co., 73 Pearl, Boston, Mass.
Celluloid Co., 36 Washington, New York
Costello J. S. & Son Brush Co., 1108 Pine, St. Louis, Mo.
DU PONT E. I. DE NEMOURS & CO. INC., Pyralin Div. ("Pyralin," See Adv. at Celluloid), Arlington, N. J.
See adv index at end of book
Fiberloid Corp. ("Fairfax"), Dept H, Indian, Orchard, Mass.
Florence Mfg. Co. ("Prephylactic," "Prophylactic Penetrator," "Keepclean"), Dept. H, Florence, Mass.
Fuller Brush Co., 647 Main, Hartford, Conn.
Gibson Geo. R. Co., 11 E 26, New York
Hahn Arthur W. (Twisted Wire), 199 Lafayette, New York,
Herbert Brush Mfg. Co., Kingston, N. Y.
Leominster Shell Goods Mfg. Co. (Celluloid), Dept H, Leominster, Mass.
Mohawk Brush Co., Albany, N. Y.
Monarch Brush Co., Troy, N. Y.
New Jersey Brush Co. (Clothes & Hat only), Bloomfield, N. J.
North Ridge Brush Co., Freeport, Ill.
Ox Fibre Brush Co. ("Ox Fibre"), 500 E. Church, Frederick, Md.
Pollock Brush Co., 25-27 N 4th, Easton, Pa.
Reliable Brush Co., Troy, N. Y.
Rubberset Co., 56 Ferry, Newark, N. J.
Silver-Chamberlin Co. ("Nibco"), Clayton, N. J.
Sonn A. L. Brush Co. ("Eclipse" Aluminum Faced), Troy, N. Y.
Standard Brush Co., New Hartford, Conn.
United States Brush Co., Potsdam, N. Y.
Universal Brush Co., Freeport, Ill.
Whiting J. L.-Adams J. J. Co., 690 Harrison av, Boston, Mass.
Yale Novelty Co., Leominster, Mass.

1549— Brushes (Horse)

Bookhop F. H., 145 38th, Brooklyn, N. Y.
Bradley & Smith, 251 Pearl, New York
Bromwell Brush & Wire Goods Co., 312 United Bank bldg, Cincinnati, Ohio.
Burton A. & E. & Co., 73 Pearl, Boston, Mass.
Darby Edw. J. & Sons, 319 Vine, Phila., Pa.
See adv index at end of book
Earle Brush Co., Columbia, Pa.
Felton S. A. & Son Co., Manchester, N. H.
Grand Rapids Brush Co., Grand Rapids, Mich.
Haisler Bros. Co., 740 No Franklin, Chicago, Ill.
Hanlon & Goodman Co., 270 Pearl, New York
Hendee C. C. Co. (Wire "Dandy"), 501 Broadway, Milwaukee, Wis.
Herbert Brush Mfg. Co., Kingston, N. Y.
Holcomb J. I. Mfg. Co., 1543 Van Buren, Indianapolis, Ind.
India Palmette Brush Co., 112 E. Atwater, Detroit, Mich.
Los Angeles Brush Mfg. Co. ("Angelus"), 716 Towne av, Los Angeles, Cal.
MILWAUKEE BRUSH MFG. CO., Milwaukee, Wis.
National Brush Co., Aurora, Ill.
Nelms & Co., 407 Commerce, Phila., Pa.
New Jersey Brush Co., Bloomfield, N. J.
North Ridge Brush Co., Freeport, Ill.
Opie J. W. Brush Co., 1422 McGee, Kansas City, Mo.
Osborn Mfg. Co., 5401 Hamilton av, Cleveland, O.
Ox Fibre Brush Co. ("Ox Fibre"), 500 E. Church, Frederick, Md.
Pollock Brush Co., 25-27 N 4th, Easton, Pa.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.
Schott J. B. Saddlery & Mfg. Co., Quincy, Ill.
Standard Brush Co. ("Jockey," "Handy," "Rub & Kurry," "Fleetwood," "Charter Oak," "Solid Back"), New Hartford, Conn.
Universal Brush Co., Freeport, Ill.
Wetherbee Geo. C. & Co., 424 Jefferson av, Detroit, Mich.
Whiting J. L.-J. J. Adams Co., 690 Harrison av, Boston, Mass.

1550—Brushes (Hot Water Heater)

Browne F. W. (Wire), Farmington, N. H.
Darby Edw. J. & Sons, 319 Vine, Phila., Pa.
See adv index at end of book
Flint Warren F. Co. (For Sectional Heaters), 74 India, Boston, Mass.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Mulholland William, 82 Walker, New York
Opie J. W. Brush Co., 1422 McGee, Kansas City, Mo.
Osborn Mfg. Co. (Wire, Bristle & Fibre), 5401 Hamilton av, Cleveland, O.
Pilley's Packing & Flue Brush Co. (Wire), 604-607 S. 3rd, St. Louis, Mo.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.

1550a— Brushes (Infants)

Gibson Geo. R., Co., 11 E 26, New York

1550b— Brushes (Kitchen)

Fuller Brush Co., 647 Main, Hartford, Conn.
Ox Fibre Brush Co., 500 E. Church, Frederick, Md. *See adv index at end of book*

1550c— Brushes (Lavatory)

Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Ox Fibre Brush Co., 500 E. Church, Frederick, Md. *See adv index at end of book*

1551—Brushes (Lithographers')

Braun, Paul, 1622 Decatur, Brooklyn, N. Y.
Ox Fibre Brush Co., 500 E. Church, Frederick, Md. *See adv index at end of book*
Rubberset Co. ("Rubberset"), 56 Ferry, Newark, N. J.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.

Brushes (Marking)

See Brushes, Stencil

1552— Brushes (Milk Can)

Atlanta Brush Co., Atlanta, Ga.
Braun, Paul, 1622 Decatur, Brooklyn, N. Y.
Carbon Brush Supply Co., Weightman bldg, 1524 Chestnut, Phila., Pa.
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Hanlon & Goodman Co., 270 Pearl, New York
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
North Ridge Brush Co., Freeport, Ill.
Opie J. W. Brush Co., 1422 McGee, Kansas City, Mo.
Ox Fibre Brush Co., 500 E. Church, Frederick, Md. *See adv index at end of book*

Paramount Brush & Broom Co., Inc., 100 Greenwich, New York
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.
Standard Brush Co. ("Dairy Queen," "Solid Back"), New Hartford, Conn.
Universal Brush Co., Freeport, Ill.

1552a— Brushes (Military)

DU PONT E. I. DE NEMOURS & CO., INC., Pyralin Div. ("Pyralin," See Adv. at Celluloid.) Arlington, N. J.
See adv index at end of book
Florence Mfg. Co. ("Prophylactic Penetrator," "Keepclean," "Prophylactic"), Dept. H, Florence, Mass.
Gibson Geo. R. Co., 11 E 26, New York
Ox Fibre Brush Co., 500 E. Church, Frederick, Md. *See adv index at end of book*
Schimper, William & Co., 322-338 Ferry, Hoboken, N. J., & 33 Union sq W, New York

1552b—Brushes (Motor & Dynamo)

Barker Bros., Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
CALEBAUGH SELF-LUBRICATING CARBON CO., 1503 Columbia av, Phila., Pa.
Chapin Chas. E. Co., 227 Fulton, New York
CORLISS CARBON CO., Bradford, Pa.
Eureka Co., North East, Pa.
Hart & Co., Fostoria, O.
LE VALLEY VITAE CARBON BRUSH CO. (Manufactured on the standards which have made Le Valley brushes the leaders for over a quarter of a century), 70-100 E 45th, New York
See adv index at end of book
National Carbon Co. ("Pyramid"), Thompson av & Orton, Long Island City, N. Y.
Ohio Electric Specialty Mfg. Co., Troy, O.
Pure Carbon Co., Wellsville, N. Y.
Speer Carbon Co., St. Marys, Pa.
Stackpole Carbon Co., St. Marys, Pa.
United States Graphite Co., Saginaw, Mich.
Universal Carbon Co., Dundee, Ill.
Weber Electric Works, Brooklyn Sta., Cleveland, Ohio
Weidenhoff Jos., 4353 W. Roosevelt rd, Chicago, Ill.

1553— Brushes (Nail)

Adler Brush Co., 132 N. Broadway, Los Angeles, Cal.
Ames, Bonner Co. ("A. B. C."), Toledo, O.
Celluloid Co., 36 Washington pl, New York
Fiberloid Corp. ("Fairfax"), Dept H, Indian Orchard, Mass.
Gibson Geo. R. Co., 11 E 26, New York
New Jersey Brush Co. (Leather Back), Bloomfield, N. J.
North Ridge Brush Co., Freeport, Ill.
Ox Fibre Brush Co. ("Ox Fibre"), 500 E Church, Frederick, Md.
Paramount Brush & Broom Co., Inc., 100 Greenwich, New York
Pittsburgh Brush Co., 324 Liberty av, Pittsburgh, Pa.
Rubberset Co. ("Rubberset"), 56 Ferry, Newark, N. J.
Standard Brush Co., New Hartford, Conn.
Universal Brush Co., Freeport, Ill.
Whiting J. L.-J. J. Adams Co., 690 Harrison av, Boston, Mass.

1554—Brushes (Paint, Kalsomine, Varnish, Etc.)

Ascher Leopold Co., 118 6th av, New York
Baker Brush Co. (Sign Writers', Artists', Soft Hair, Varnish, etc), 33 Grand, New York
Bradley & Smith, 251 Pearl, New York
Burton A. & E. & Co., 73 Pearl, Boston, Mass.
Carroll Bros. & Co., 415 W Baltimore, Baltimore, Md.
Chicago Brush Mfg. Co. ("Arrow Head," "Chicbrush"), 28 W. Kinzie, Chicago, Ill.
Clinton E. & Co., 1214 S 12th, Phila., Pa.
Costello, J. S. & Son, Brush Co., 1108H Pine, St. Louis, Mo.
Devoe & Raynolds Co., Inc., 101 Fulton, New York
Felton S. A. & Son Co., Manchester, N. H.
Ferris John Jr., 400 B'way, Albany, N. Y.
Fish Brush Factory, 4700 Lorain av, Cleveland, O.
Flynn Bros., Brush Mfg. Co., Troy, N. Y.
French Samuel H. & Co., 4th & Callowhill, Phila., Pa.
Ganser Chas., 659 E 36th, Los Angeles, Cal.
GERTS, LUMBARD & CO., 2107 W. Grand av., Chicago, Ill.
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Hanlon & Goodman Co., 270 Pearl, New York
Looby Wm. H., Centerbrook, Conn.
Lucas John & Co., 322 Race, Phila., Pa.
Miles Bros. & Co., 1957 Pitkin av, B'klyn, N. Y.
Morck Brush Mfg. Co., 8th & Tehama, San Francisco, Cal.
New Jersey Brush Co., Bloomfield, N. J.
Osborn Mfg. Co., 5401 Hamilton av, Cleveland, Ohio.
Ox Fibre Brush Co., 500 E. Church, Frederick, Md. *See adv index at end of book*
Paramount Brush & Broom Co., Inc., 100 Greenwich, New York
Packard A. & Co., 166 Commercial, Boston, Mass.
Pitegoff Bros., 524 B'way, New York
Pittsburgh Brush Co., 324 Liberty av, Pittsburgh, Pa.
Pollock Brush Co., 25-27 N 4th, Easton, Pa.
Pushee Jno. C. & Sons, 3 Randolph, Boston, Mass.
Ramus C. F. W., East Boston, Mass.
Rennous, Kleinle & Co. ("Chinese"), 3221 Frederick av, Baltimore, Md.
Richards Brush Co., 1001 Dearborn, Seattle, Wash.
Rinshed Mason Co. (Special Finish), Milford & P. M. R. R., Detroit, Mich.
Rodriguez R. E., 56 Warren, New York
Rubberset Co. ("Rubberset"), 56 Ferry, Newark, N. J.
Sartorius & Co., 57 Murray, New York
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.
Sheets Wm. H., Jr. Co., 121 S Charles, Baltimore, Md.
Thum Chas. D., 150 N 3d, Phila., Pa.
Thurston F. W. Co., 1832 S Clark, Chicago, Ill.
Tottle Wm. A. & Co., 124 Hanover, Baltimore, Md.
United Brush Mfrs., 116 Wooster, New York
Warner W. R. & Co., 136 Centre, New York
Whiting J. L.-J. J. Adams Co., 690 Harrison av, Boston, Mass.
Whittemore W. L. & Son, 18 Asylum, Hartford, Conn.
Wolfe Brush Co., Penn. av & Bidwell, Pittsburgh, Pa.
Wooster Brush Co. ("Wooster" Line), Wooster, O.

1555—Brushes (Paperhangers')

(Paste, Smoothing, Stipplers, etc.)

Burton A. & E. & Co., 73 Pearl, Boston, Mass.
Costello, J. S. & Son, Brush Co., 1108H Pine, St. Louis, Mo.
Devoe & Raynolds Co., Inc., 101 Fulton, New York
GERTS LUMBARD & CO. (THE), 2107 W Grand av, Chicago
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Hanlon & Goodman Co., 270 Pearl, New York
New Jersey Brush Co., Bloomfield, N. J.
Opie J. W. Brush Co., 1422 McGee, Kansas City, Mo.
Ox Fibre Brush Co., 500 E. Church, Frederick, Md. *See adv index at end of book*
Paramount Brush & Broom Co., Inc., 100 Greenwich, New York
Pittsburgh Brush Co., 324 Liberty av, Pittsburgh, Pa.
Pollock Brush Co., 25-27 N 4th, Easton, Pa.
Richards Brush Co., 1001 Dearborn, Seattle, Wash.
Rubberset Co. ("Rubberset"), 56 Ferry, Newark, N. J.
Sengbusch Self-Closing Inkstand Co. (Mucilage Applier), Stroh bldg, Milwaukee, Wis.
Whiting J. L.-J. J. Adams Co., 690 Harrison av, Boston, Mass.

1555a—Brushes (Plain Scratch)

Atlanta Brush Co., Atlanta, Ga.
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, Ohio.
Ox Fibre Brush Co., 500 E. Church, Frederick, Md. *See adv index at end of book*
Paramount Brush & Broom Co., Inc., 100 Greenwich, New York

1556—Brushes (Platers', Polishers', Etc.)

Atlanta Brush Co., Atlanta, Ga.
Blumenthal H. & Co. (Brass, Copper & Circular, etc), 241 Centre, New York
Braun, Paul, 1622 Decatur, Brooklyn, N. Y.
Burton A. & E. & Co., 73 Pearl, Boston, Mass.
Darby Edw. J. & Sons, 519 Vine, Phila., Pa.
See adv index at end of book
Dixon Wm., 119 Fulton, New York
Foot Mfg. Co. (Bristle & Wire Lathe, etc), 36 Germania av, Jersey City, N. J.
Gesswein F. W. Co., 16 W 45, New York
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Haisler Bros. Co., 740 N Franklin, Chicago, Ill.
Holcomb J. I. Mfg. Co., 1543 Van Buren, Indianapolis, Ind.
Mahler P. & Sons, 299 Pearl, New York
Manufacturers Brush Co. ("Advance" Sectional), 1950 W. 114th, Cleveland, Ohio
Manzelmann, Chas. (Bench), 3106 Bellevue av, Detroit, Mich.
MILWAUKEE BRUSH MFG. CO., Milwaukee, Wis.
Munning A. P. & Co., Mattawan, N. J.
National Brush Co., Aurora, Ill.
Newark Brush Co., 253 Mulberry, Newark, N. J.
North Ridge Brush Co., Freeport, Ill.
Opie J. W. Brush Co., 1422 McGee, Kansas City, Mo.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, Ohio.
Ox Fibre Brush Co., 500 E. Church, Frederick, Md. *See adv index at end of book*
Pacific Coast Brush & Broom Co., 1608 15th av W, Seattle, Wash.
Paramount Brush & Broom Co., Inc., 100 Greenwich, New York
Pittsburgh Brush Co., 324 Liberty av, Pittsburgh, Pa.
Pollock Brush Co., 25-27 N 4th, Easton, Pa.
Rubberset Co. ("Rubberset"), 56 Ferry, Newark, N. J.
Standard Brush Co., New Hartford, Conn.

1557—Brushes (Pneumatic Spray)

See Also Brushes Air

BINKS SPRAY EQUIPMENT CO., 3129 Carroll av ("Binks"), Chicago
Eclipse Air Brush Co., 79 Orange, Newark, N. J.
Eureka Pneumatic Spray Co., 8728 130th, Brooklyn, N. Y.
Paaschke Air Brush Co., 1249 W. Washington blvd, Chicago, Ill.
Peerless Pneumatic Systems, Inc., 108 N Jefferson, Chicago, Ill.

1558—Brushes (Power For Use With)

Atlanta Brush Co., Atlanta, Ga.
Baird Brush Mfg. Co., 1109 36th, Oakland, Cal.
Braun, Paul, 1622 Decatur, Brooklyn, N. Y.
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Manufacturers Brush Co., 1950 W. 114th, Cleveland, Ohio
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.

1559— Brushes (Radiator)

Better Brushes Inc. ("Better"), Palmer, Mass.
Burton A. & E. & Co., 73 Pearl, Boston, Mass.
Darby Edw. J. & Sons, 519 Vine, Phila., Pa.
See adv index at end of book
Dennins O. Sons, Troy, N. Y.
Dennis W. J. & Co. (Steel Wire), 2120 W Lake, Chicago, Ill.
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Hahn Arthur W., Twisted Wire, 199 Lafayette, New York
Holcomb J. I. Mfg. Co., 1543 Van Buren, Indianapolis, Ind.
Mill-Rose Co., 2499 E. 79th, Cleveland, Ohio
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
North Ridge Brush Co., Freeport, Ill.
Opie J. W. Brush Co., 1422 McGee, Kansas City, Mo.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*
Paramount Brush & Broom Co., Inc., 100 Greenwich, New York
Pollock Brush Co., 25-27 N 4th, Easton, Pa.
Pilley's Packing & Flue Brush Co., 604-608 S. 3rd, St. Louis, Mo.
Pittsburgh Brush Co., 324 Liberty av, Pittsburgh, Pa.
Rubberset Co. ("Rubberset"), 56 Ferry, Newark, N. J.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.
Silver-Chamberlin Co. ("Nibco"), Clayton, N. J.
Tottle Wm. A. & Co., 124 Hanover, Baltimore, Md.
Universal Brush Co., Freeport, Ill.
Warren A. J. Brush Co., 42 Vine, Cincinnati, O.
Whiting J. L.-J. J. Adams Co., 700 Harrison av, Boston, Mass.

1560— Brushes (Railroad)

Burton A. & E. & Co., 73 Pearl, Boston, Mass.
Costello, J. S. & Son, Brush Co., 1108H Pine, St. Louis, Mo.
Darby Edw. J. & Sons, 319 Vine, Phila., Pa.
See adv index at end of book
Devoe & Raynolds Co., Inc., 101 Fulton, New York
GERTS LUMBARD & CO., 2107 W Grand av, Chicago
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Indianapolis Brush & Broom Mfg. Co. ("Capital"), 26 Brush, Indianapolis, Ind.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Opie J. W. Brush Co. (All Kinds), 1422 McGee, Kansas City, Mo.
Osborn Mfg. Co. (All Kinds), 5401 Hamilton av, Cleveland, Ohio
Pittsburgh Brush Co., 324 Liberty av Pittsburgh, Pa.
Pollock Brush Co., Easton, Pa.

(Continued on following page)

Brushes (Railroad)—Continued

Rubberset Co. ("Rubberset"), 56 Ferry, Newark, N. J.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.
Thum Chas. D., 150 N 3d, Phila., Pa.
Tottle, Wm. A. & Co., 124 Hanover, Baltimore, Md.
Universal Brush Co., Freeport, Ill.
Western Brush Co., 3106H Bellevue av, Detroit, Mich.
Wolfe Brush Co., Penn. av & Bidwell, Pittsburgh, Pa.

1561— Brushes (Roofing)

Braun, Paul, 1622 Decatur, Brooklyn, N. Y.
Burton A. & E. & Co., 73 Pearl, Boston, Mass.
Chicago Brush Mfg. Co. ("Arrow Head," "Chicbrush"), 28 W Kinzie, Chicago, Ill.
Costello, J. S. & Son, Brush Co., 1108H Pine, St. Louis, Mo.
Devoe & Raynolds Co., Inc., 101 Fulton, New York
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Hanlon & Goodman Co., 270 Pearl, New York
Holcomb J. I. Mfg. Co., 1543 Van Buren, Indianapolis, Ind.
Indianapolis Brush & Broom Mfg. Co., 26 Brush, Indianapolis, Ind.
Lay Jos. Co., Ridgeville, Ind.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
New Jersey Brush Co. ("Tomahawk" Tar, "Dakota" Flat), Bloomfield, N. J.
Opie J. W. Brush Co., 1422 McGee, Kansas City Mo.
Osborn Mfg. Co. (Roof Paint), 5401 E Hamilton, Cleveland, O.
Ox Fibre Brush Co., 500 E. Church, Frederick, Md. *See adv index at end of book*
Paramount Brush & Broom Co., Inc., 100 Greenwich, New York
Pittsburgh Brush Co., 324 Liberty av, Pittsburgh, Pa.
Pollock Brush Co., 25-27 N 4th, Easton, Pa.
Richards Brush Co., 1001 Dearborn, Seattle, Wash.
Rubberset Co. ("Rubberset"), 56 Ferry, Newark, N. J.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.
Tottle Wm. A. & Co., 124 Hanover, Baltimore, Md.
Whiting J. L.-J. J. Adams Co., 690 Harrison av, Boston, Mass.

1562— Brushes (Rubber)

Bailey C. J. & Co., 88 Broad, Boston, Mass.
Faultless Rubber Co., Ashland, O.
Tyer Rubber Co. (Bath, Shampoo, Flesh & Toilet), Andover, Mass.

1563— Brushes (Scrubbing)

Ames, Bonner Co. ("A. B. C."), Toledo, O.
Better Brushes Inc. ("Better"), Palmer, Mass.
Blumenthal, H. & Co., 241 Centre, New York
Braun, Paul, 1622 Decatur, Brooklyn, N. Y.
Bromwell Brush & Wire Goods Co., 312 United Bank bldg, Cincinnati, Ohio
Burton A. & E. & Co., 73 Pearl, Boston, Mass.
Creamery Package Mfg. Co., 61 W. Kinzie, Chicago, Ill.
Dennis W. J. & Co., 2120 W Lake, Chicago, Ill.
Earle Brush Co., Columbia, Pa.
Eisenmann S. J., 487 B'way, New York
Felton D. D. Brush Co., Atlanta, Ga.
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Hanlon & Goodman Co., 270 Pearl, New York
Hendee C. C. Co., 501 Broadway, Milwaukee, Wis.
Holcomb J. I. Mfg. Co, 1543 Van Buren, Indianapolis, Ind.
India Palmette Brush Co., 112 E Atwater, Detroit, Mich.
Indianapolis Brush & Broom Mfg. Co. ("Capital"), 26 Brush, Indianapolis, Ind.
Lay Jos. Co., Ridgeville, Ind.
Los Angeles Brush Mfg. Co. ("Angelus"), 716 Towne av, Los Angeles, Cal.
Milford Mfg. Co. ("All Angle"), Mansfield, O.
Miller A. P. Supply Co. Inc., 441 W 16th, New York
National Brush Co., Aurora, Ill.
New Jersey Brush Co. ("Rajah" Palm Fibre Deck), Bloomfield, N. J.
North Ridge Brush Co., Freeport, Ill.
Opie J. W. Brush Co., 1442 McGee, Kansas City, Mo.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, Ohio.
Ox Fibre Brush Co. ("Ox Fibre"), 500 E Church, Frederick, Md.
Paramount Brush & Broom Co., Inc., 100 Greenwich, New York
Pittsburgh Brush Co., 324 Liberty av, Pittsburgh, Pa.
Pollock Brush Co., 25-27 N 4th, Easton, Pa.
Rider-Upright Mfg. Co., Inc., 936 S. Main, Los Angeles, Cal.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.
Standard Brush Co. ("Kleenquick," "Dude," "Tot" "Solid Back," "Pollywog," "Toad, "Frog"), New Hartford, Conn.
Thurnauer G. M. Co., 6 E 20th, New York
Universal Brush Co., Freeport, Ill.
Whiting J. L.-J. J. Adams Co., 690 Harrison av, Boston, Mass.
Wolfe Brush Co., Penn. av & Bidwell, Pittsburgh, Pa.

1564—Brushes (Set-In-Rubber)

Erskine James Lowe Co. (Mfrs.), 132 King, New York
GERTS LUMBARD & CO., 2107 W Grand av, Chicago
Gornell E. & Sons, 179 N Wells, Chicago, Ill.
Hanlon & Goodman Co. ("Rubristo"), 270 Pearl, New York
Paramount Brush & Broom Co., Inc., 100 Greenwich, New York
Pitegoff Bros., 524 B'way, New York
Pittsburgh Brush Co., 324 Liberty av, Pittsburgh, Pa.
Rubberset Co. ("Rubberset"), 56 Ferry, Newark, N. J.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.
Tottle Wm. A. & Co., 124 Hanover, Baltimore, Md.
Whiting Jno. L. & J. J. Adams Co., 690 Harrison av, Boston, Mass.

1565—Brushes (Sewer Cleaning)

Adler Brush Co., 132 N. Broadwy, Los Angeles, Cal.
Flint Warren F. Co., 74 India, Boston, Mass.
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, Ohio.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.

1566— Brushes (Shaving)

Am. Safety Razor Corp. ("Ever-Ready"), Jay & Johnson, Brooklyn, N. Y.
Ascher, Leopold Co., 118 6th av, New York
Better Brushes Inc. ("Better"), Palmer, Mass.
Burton A. & E. & Co., 73 Pearl, Boston, Mass.
Cattaraugus Cutlery Co., Little Valley, N. Y.
Celluloid Co., 36 Washington pl, New York
Dixon Wm. (Wire, Bristle, etc. "Tampico" Goat Hair), 119 Fulton, New York
Gibson Geo. R. Co., 11 E 26, New York
Kahnweiler S. B. & Co., 393 Broadway, New York
North Ridge Brush Co., Freeport, Ill.
Pitegoff Bros., 524 B'way, New York
Rubberset Co. ("Rubberset"), 56 Ferry, Newark, N. J.
Universal Brush Co., Freeport, Ill.
Whiting, J. L.-J. J. Adams Co., 690 Harrison av, Boston, Mass.

1567— Brushes (Sheet Metal)

Chapin Chas. E. Co., 227 Fulton, New York
Cutler-Hammer Mfg. Co., 12th & St. Paul av, Milwaukee, Wis. *See adv index at end of book*
Darby Edw. J. & Sons, 519 Vine, Phila., Pa. *See adv index at end of book*
Eureka Co., North East, Pa.
Fleck Carbon Co., 390 Canal, New York
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Ohio Elec. Specialty Mfg. Co., Troy, O.
Perfection Supply Co. ("Dynamo"), 98 Park pl, New York
Phila. Electrical & Mfg. Co. ("Pemco"), 1236 N 31st, Phila., Pa.
Pollock Brush Co., 25-27 N 4th, Easton, Pa.
Walsh J. F., Pittsfield, Mass.

1568— Brushes (Shoe)

Ames, Bonner Co. ("A. B. C."), Toledo, O.
Bradley & Smith, 251 Pearl, New York
Bromwell Brush & Wire Goods Co., 312 United Bank bldg, Cincinnati, Ohio
Burton A. & E. & Co., 73 Pearl, Boston, Mass.
California Leather Dressing Co., 1574H Market, San Francisco, Cal.
Chicago Brush Mfg. Co. ("Arrowhead." "Chicbrush"), 28 W Kinzie, Chicago, Ill.
Dennins O. Sons, Troy, N. Y.
Earle Brush Co., Columbia, Pa.
Felton D. D. Brush Co., Atlanta, Ga.
Gilbert E. T. Mfg. Co. (Polishers), Rochester, N. Y.
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Herbert Brush Mfg. Co., Kingston, N. Y.
Hoyt Fred'k M. & Bro., Troy, N. Y.
Monroe Novelty Co., Rochester, N. Y.
National Brush Co., Aurora, Ill.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, Ohio.
Ox Fibre Brush Co., 500 E. Church, Frederick, Md. *See adv index at end of book*
Paramount Brush & Broom Co., Inc., 100 Greenwich, New York
Parks & Parks, Troy, N. Y.
Pollock Brush Co., 25-27 N 4th, Easton, Pa.
Standard Brush Co., New Hartford, Conn.
Thayer P. E. & Co., Pawtucket, R. I.
Whiting J. L.-J. J. Adams Co., 690 Harrison av, Boston, Mass.

1569— Brushes (Sink)

Better Brushes Inc. ("Better"), Palmer, Mass.
Bookhop F. H., 151 38th, Brooklyn, N. Y.
Bradley & Smith, 251 Pearl, New York
Browne W. G. Mfg. Co. (Wire), Kingston, N. Y.
Darby Edw. & Sons Co., 412 N. 18th, Phila., Pa.
Fogarty Philip & Co. ("Anchor"), 49 Wyona, Brooklyn. N. Y.
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Hamblin & Russell Mfg. Co. ("H. & R." Wire), Worcester, Mass.
Hendee C. C. Co. (Wire), 501 Broadway, Milwaukee, Wis.
National Brush Co., Aurora, Ill.
North Ridge Brush Co., Freeport, Ill.
Opie J. W. Brush Co., 1422 McGee, Kansas City, Mo.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, Ohio.
Ox Fibre Brush Co., 500 E Church, Frederick, Md. *See adv index at end of book*
Paramount Brush & Broom Co., Inc., 100 Greenwich, New York
Parker Wire Goods Co. (Wire), Worcester, Mass.
Peerless Mfg. Co. ("Peerless" Wire), New Durham, N. H.
Pilley's Packing & Flue Brush Co., 604-608 S. 3rd, St. Louis, Mo.
Pittsburgh Brush Co., 324 Liberty av, Pittsburgh, Pa.
Plunkett Chas., 118 Warren, New York
Silver-Chamberlin Co. ("Nibco"), Clayton, N. J.
Thurnauer G. M. Co., 6 E 20th, New York
Universal Brush Co., Freeport, Ill.
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*
Woods-Sherwood Co. (Wire), 28 Union, Worcester, Mass.

1570— Brushes (Special)

BRAUN, PAUL, 1622 Decatur, Brooklyn, N. Y.
Darby Edw. J. & Sons, 319 Vine, Phila., Pa. *See adv index at end of book*
Ferris John Jr., 400 B'way, Albany, N. Y.
Ganser Chas., 659 E 36th, Los Angeles, Cal.
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Indianapolis Brush & Broom Mfg. Co., 26 Brush, Indianapolis, Ind.
Mill-Rose Co., 2499 E. 79th, Cleveland, Ohio
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Ox Fibre Brush Co., 500 E. Church, Frederick, Md. *See adv index at end of book*
Paramount Brush & Paint Co., 15-25 Whitehall, New York
Pollock Brush Co., 25-27 N 4th, Easton, Pa.
Rubberset Co., 56 Ferry, Newark, N. J.
Schaefer, McLaughlin Co. (Special Brushes made from Blue Prints), 395 Reed, Milwaukee, Wis.
Schlafer Hardware Co. ("Appleton" Brass Wire for Paper Mills), 815 College av, Appleton, Wis.
Simpson Brush & Broom Co., 517 Mission San Francisco, Cal.

1571— Brushes (Spiral)

Braun, Paul, 1622 Decatur, Brooklyn, N. Y.
Browne F. W. (Wire), Farmington, N. H.
Darby Edw. J. & Sons, 319 Vine, Phila., Pa. *See adv index at end of book*
Foot Mfg. Co. (Bristle for Gunsmiths, Bottles, etc), 36 Germania av, Jersey City, N. J.
Ganser Chas., 659 E 36th, Los Angeles, Cal.
Gornell E. & Sons, 179 N Wells, Chicago, Ill.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Opie J. W. Brush Co., 1422 McGee, Kansas City, Mo.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, Ohio.
Paramount Brush & Broom Co., Inc., 100 Greenwich, New York
Peerless Mfg. Co., ("Peerless"), New Durham, N. H.
Pilley's Packing & Flue Brush Co., 604-607 S. 3rd, St. Louis, Mo.

1572— Brushes (Steel Wire)

See also Brushes, Foundry, Machine, etc.
Alloy Metal Wire Co. (Wire Only), Moore, Pa. *See adv index at end of book*
Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
American Brush Corp., Inc. (Twisted), 308 W Randolph, Chicago, Ill.
American Brush Mfg. Co., 97 Union, Portland, Ore.
Atlanta Brush Co. ("Felco"), Atlanta, Ga. *See adv index at end of book*
Barker Bros., Inc., 327-329 Johnson, Brooklyn, N. Y. *See adv index at end of book*

Blumenthal H. & Co., 241 Centre, New York
Browne F. W. (For Furnaces, Flues, Heat-
Burton A. & E. & Co., 73 Pearl, Boston, Mass.
Coleman Allan J. (Sanitary Twisted), 208 N Wabash, Chicago, Ill.
Costello, J. S. & Son, Brush Co., 1108H Pine, St. Louis, Mo.
Curfman F. L. Mfg. Co. (Auto Repairing), Marysville, Mo.
Darby Edw. & Sons Co., 412 N. 18th, Phila., Pa.
DARBY EDW. J. & SONS (We offer a complete line of wire brushes for every industrial use. Automobile, Painters & Platers Brushes a specialty.), 319 Vine, Phila., Pa.
See adv index at end of book
Dean O. M. & Sons, 218 Summer, Worcester, Mass.
Dearborn Duster Co. ("Dearborn" Twisted), 550 W Harrison, Chicago, Ill.
Dennis W. J. & Co. (Butcher, Radiator, Painters, File, Scratch, Foundry, etc), 2120 W Lake, Chicago, Ill.
Dixon Wm. (Jewelers'), 119 Fulton, New York
French Sam'l H. & Co., 4th & Callowhill, Phila., Pa.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Hanlon & Goodman Co., 270 Pearl, New York
Indianapolis Brush & Broom Mfg. Co. ("Capital," Push, etc), 26 Brush, Indianapolis, Ind.
Lahue M. M. & Co., 107 Cushing, Lowell, Mass.
Mahler P. & Sons, 299 Pearl, New York
Manufacturers Brush Co., 1950 W. 114th, Cleveland, Ohio
Mill-Rose Co. (for furnaces), 2499 E. 79th, Cleveland, Ohio
MILWAUKEE BRUSH MFG. CO., Milwaukee, Wis.
Opie J. W. Brush Co., 1422 McGee, Kansas City, Mo.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, Ohio.
Pacific Coast Brush & Broom Co., 1608 15th av W, Seattle, Wash.
Paramount Brush & Broom Co., Inc., 100 Greenwich, New York
Paxson, J. W. Co., 1021 N. Delaware av, Philadelphia, Pa.
Peerless Mfg. Co. ("Peerless" for House Boilers), New Durham, N. H.
Phoenix Brush & Mfg. Co., 1046 W Van Buren, Chicago, Ill.
Pilley's Packing & Flue Brush Co., 604-607 S. 3rd, St. Louis, Mo.
Pittsburgh Brush Co., 324 Liberty av, Pittsburgh, Pa.
Portland Brush Wks., 109 Grand av, Portland, Ore.
Ridgely Trimmer Co., Springfield, O.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.
Stow Mfg. Co., Inc. (Scratch), Binghamton, N. Y. *See adv index at end of book*
Universal Brush Co., Freeport, Ill.
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*
Woodison E. J. Co., 1621 St. Aubin, Detroit, Mich.

1573— Brushes (Stencil)

Bradley, A. J. Mfg. Co., 101 Beekman, New York
Bradley & Smith, 251 Pearl, New York
Burton A. & E. & Co., 73 Pearl, Boston, Mass.
Chicago Brush Mfg. Co. ("Arrow Head" & "Chicbrush"), 28 W Kinzie, Chicago, Ill.
Costello, J. S. & Son, Brush Co., 1108H Pine, St. Louis, Mo.
Devoe & Raynolds Co., Inc., 101 Fulton, New York
DIAGRAPH STENCIL MACHINE CORP., 1615 S Kingshighway, St. Louis, Mo.
See adv index at end of book
Felton D. D. Brush Co., Atlanta, Ga.
Garvey Fountain Brush & Ink Co., N. 7th, St. Louis, Mo.
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Hanlon & Goodman Co. ("Perfection"), 270 Pearl, New York
IDEAL STENCIL MACHINE CO., 42 Ideal block, Belleville, Ill.
See adv index at end of book
Marsh Stencil Mach. Co., Belleville, Ill.
See adv index at end of book
Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa.
See adv index at end of book
Moss Theo. Co., Inc. ("Themco"), 349 Adams, Brooklyn, N. Y.
Opie J. W. Brush Co., 1422 McGee, Kansas City, Mo.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, Ohio.
Paramount Brush & Broom Co., Inc., 100 Greenwich, New York
Pittsburgh Brush Co., 324 Liberty av, Pittsburgh, Pa.
Rubberset Co. ("Rubberset"), 56 Ferry, Newark, N. J.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.
Tottle Wm. A. & Co., 124 Hanover, Baltimore, Md.
Whiting John L.-J. J. Adams Co., 690 Harrison av, Boston, Mass.

1574—Brushes (Stone Cleaning)

Braun, Paul, 1622 Decatur, Brooklyn, N. Y.
Darby Edw. J. & Sons, 319 Vine, Phila., Pa.
See adv index at end of book
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Opie J. W. Brush Co., 1422 McGee, Kansas City, Mo.
Peerless Mfg. Co. (("Peerless"), New Durham, N. H.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.

1575— Brushes (Stove)

Better Brushes Inc. ("Better"), Palmer, Mass.
Bradley & Smith, 251 Pearl, New York
Burton A. & E. & Co., 73 Pearl, Boston, Mass.
Dennins' O. Sons, Troy, N. Y.
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
National Brush Co., Aurora, Ill.
Opie J. W. Brush Co., 1422 McGee, Kansas City, Mo.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, Ohio
Ox Fibre Brush Co., 500 E. Church, Frederick, Md. *See adv index at end of book*
Pollock Brush Co., 25-27 N 4th, Easton, Pa.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.
Silver-Chamberlin Co. ("Nibco"), Clayton, N. J.
Standard Brush Co., New Hartford, Conn.
Universal Brush Co., Freeport, Ill.
Whiting John L.-J. J. Adams Co., 690 Harrison av, Boston, Mass.

Brushes (Street & Stable)

See Brooms, Street & Stable

1576— Brushes (Tailors')

Opie J. W. Brush Co., 1422 McGee, Kansas City, Mo.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, Ohio
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.
Universal Brush Co., Freeport, Ill.

1577— Brushes (Tanners')

Atlanta Brush Co., Atlanta, Ga.
Braun, Paul, 1622 Decatur, Brooklyn, N. Y.
Chicago Brush Mfg. Co. ("Arrow Head," "Chicbrush"), 28 W Kinzie, Chicago, Ill.
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Ox Fibre Brush Co., 500 E. Church, Frederick, Md. *See adv index at end of book*
Rubberset Co., 56 Ferry, Newark, N. J.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.

Brushes (Tar)

See Brushes, Roofing

1578— Brushes (Test Tube)

Atlanta Brush Co., Atlanta, Ga.
Braun, Paul, 1622 Decatur, Brooklyn, N. Y.
Gibson Geo. R. Co., 11 E 26th, New York
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Palo Co., 153 W 23d, New York
Whitall Tatum Co., 46 Barclay, New York

1578a— Brushes (Toilet)

Fuller Brush Co., 647 Main, Hartford, Conn.
Grand Rapids Brush Co., Grand Rapids, Mich.
Ox Fibre Brush Co., 500 E. Church, Frederick, Md. *See adv index at end of book*

1579— Brushes (Tooth)

Bailey C. J. & Co., 88 Broad, Boston, Mass.
Better Brushes Inc. ("Better"), Palmer, Mass.
Florence Mfg. Co. ("Prophylactic"), Florence, Mass.
Indexo Co., 33 W 42d, New York
North Ridge Brush Co., Freeport, Ill.
Paramount Brush & Paint Co., 15 Whitehall, New York
Rubberset Co. ("Rubberset"), 56 Ferry, Newark, N. J.
Universal Brush Co., Freeport, Ill.
Wallace R. & Sons Mfg. Co., Wallingford, Conn.
White S. S. Dental Mfg. Co., 211 S. 12th, Philadelphia, Pa.

Brushes (Tumbler)

See Brushes, Bottle

1580— Brushes (Type Cleaning)

Atlanta Brush Co., Atlanta, Ga.
Gibson Geo. R. Co., 11 E 26th, New York
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Hendee C. C. Co., 501 B'way, Milwaukee, Wis.
Ox Fibre Brush Co., 500 E. Church, Frederick, Md. *See adv index at end of book*
Zimmer Mfg. Co. ("E Z"), 59 Beekman, New York

1581— Brushes (Vacuum Cleaner)

Atlanta Brush Co., Atlanta, Ga.
Braun, Paul, 1622 Decatur, Brooklyn, N. Y.
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Holcomb J. I. Mfg. Co., 1543 Van Buren, Indianapolis, Ind.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Schaefer McLaughlin Co., 395 Reed, Milwaukee, Wis.

1582—Brushes (Wheel, Steel Wire)

Atlanta Brush Co., Atlanta, Ga.
See adv index at end of book
Darby Edw. J. & Sons, 319 Vine, Phila., Pa.
See adv index at end of book
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Manufacturers Brush Co., 1950 W. 114th, Cleveland, Ohio
MILWAUKEE BRUSH MFG. CO., Milwaukee, Wis.
Osborn Mfg. Co. ("Tampico"), 5401 E Hamilton av, Cleveland, Ohio
Paramount Brush & Broom Co., Inc., 100 Greenwich, New York

Brushes (Whitewash)

See Brushes, Paint, Kalsomine, Varnish, etc.

1583— Brushes (Window)

See also Cleaners, Window

Atlanta Brush Co., Atlanta, Ga.
Baird Brush Mfg. Co., 1109 36th, Oakland, Cal.
Better Brushes Inc. ("Better"), Palmer, Mass.
Blumenthal H. & Co., 241 Centre, New York
Bradley & Smith, 251 Pearl, New York
Bromwell Brush & Wire Goods Co., 312 United Bank bldg, Cincinnati, Ohio
Burton, A. & E. & Co., 73 Pearl, Boston, Mass.
Carroll Bros. & Co., 415 W Baltimore, Baltimore, Md.
Costello, J. S. & Son, Brush Co. (Car, Wash), 1108H Pine, St. Louis, Mo.
Dennis, W. J. & Co. ("W. J. Dennis," Rubber, Brass & Wood Frame), 2120 W Lake, Chicago, Ill.
Earle Brush Co., Columbia, Pa.
GERTS LUMBARD & CO., 2107 W Grand av, Chicago
Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Holcomb J. I. Mfg. Co., 1543 Van Buren, Indianapolis, Ind.
Lay Jos. Co. ("Victor" Round & Flat), Ridgeville, Ind.
Miles Bros. & Co., 1957 Pitkin av, B'klyn, N. Y.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
New Jersey Brush Co., Bloomfield, N. J.
North Ridge Brush Co., Freeport, Ill.
Opie J. W. Brush Co. (Car Washing), 1422 McGee, Kansas City, Mo.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, Ohio
Ox Fibre Brush Co., 500 E. Church, Frederick, Md. *See adv index at end of book*
Pittsburgh Brush Co., 324 Liberty av, Pittsburgh, Pa.
Pollock Brush Co., 25-27 N 4th, Easton, Pa.
Rhode Island Brush Co., 59 Daniel av, Providence, R. I.
Rubberset Co., 56 Ferry, Newark, N. J.
Schaefer, McLaughlin Co 395 Reed, Milwaukee, Wis.
Thayer P. E. & Co., Pawtucket, R. I.
Tottle Wm. A. & Co., 124 Hanover, Baltimore, Md.
Universal Brush Co., Freeport, Ill.
Whiting J. L.-J. J. Adams Co., 690 Harrison av, Boston, Mass.

Brushes (Wire)

See Brushes, Steel Wire

1583a— Brushes (Wire Wheel)

Gornell E. & Sons, 179 N. Wells, Chicago, Ill.
Osborn Mfg. Co. ("Tampico" Wheels & Sections), 5401 E Hamilton av, Cleveland, Ohio
Paramount Brush & Broom Co., Inc., 100 Greenwich, New York
Pittsburgh Brush Co., 324 Liberty av, Pittsburgh, Pa.

1584—Brushes (Woven Wire)

For Dynamos & Motors

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
Barkelew Electric Mfg. Co. ("Sparkless"), Middletown, O.
Boston Woven Wire Brush Co., Wakefield, Mass.
Chapin Chas. E. Co. ("Dickey"), 227 Fulton, New York

(Continued on following page)

Brushes (Woven Wire)—Continued

Darby Edw. J. & Sons, 319 Vine, Phila., Pa.
See adv index at end of book
Eureka Co., North East, Pa.
Flint Warren F. Co., 74 India, Boston, Mass.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Goldmark Jas. Co., (German-American), 83 Warren, New York
Hart & Co., Fostoria, O.
Ohio Electric Specialty Mfg. Co., Troy, O.
Perfection Supply Co., 98 Park pl, New York
Salem Electrical Supply Co., Salem, Mass.
STENDER COPPERSMITH CO. (THE), 2930 Smallman, Pittsburgh, Pa.
See adv index at end of book
Thompson-Bonney Co. **("Acme")**, 18 Henry, Brooklyn, N. Y.
Worcester Brush & Scraper Co., 456 Park av, Worcester, Mass.

1584a— Buckets (Acid)

Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Bucyrus Copper Kettle Works Co. (The) (Copper), Bucyrus, Ohio
See adv index at end of book
Dominion Asbestos & Rubber Corp., 154 Nassau, New York
See adv index at end of book
General Ceramics Co., 50 Church, New York
Knight Maurice A., Akron, O.
Union Chain & Mfg. Co., Sandusky, Ohio
United States Rubber Co., 1790 Broadway, New York
See adv index at end of book

1584b— Buckets (Automatic)

See Also Buckets, Self-Dumping

Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Brown Hoisting Machinery Co. (The), 4403 St. Clair N E, Cleveland, Ohio
See adv index at end of book
Hayward Co., 50 Church, New York
See adv index at end of book

HAYWARD BUCKETS

for

Dredging	Foundation and Caisson Digging
Excavating	Crushed Stone Handling
Locomotive Cranes, Bridges, Towers,	Foundry Use
Derricks, Overhead	Industrial Plant use
Cranes, Monorail	Irrigation and Ditch Work
Cranes, Cableways, etc.	Canal Digging
Coal Handling	Well Digging
Ore Handling	Test Holes for Mining
Sand and Gravel Handling	
Sewer Work	

Cement Plants—Handling Gypsum Rock, etc.

THE HAYWARD CO.

Builders of

DIGGING MACHINERY

50 Church St. New York, U. S. A.

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Mead-Morrison Mfg. Co., Prescott & Orleans E, Boston, Mass.
Union Chain & Mfg. Co., Sandusky, O.

1585—Buckets (Bottom Dumping)

Akron Cultivator Co., Akron, O.
Atlas Car & Mfg. Co., Cleveland, O.
See adv index at end of book
Austin Machinery Corp., Dorr, at Westwood av, Toledo, Ohio
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Biehl Iron Wks., Inc., Reading, Pa.
Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Insley Mfg. Co. (Controllable Center Dump), E St. Clair and Olney, Indianapolis, Ind.
Jeffrey Mfg. Co., 961 N Fourth, Columbus, O. *See adv index at end of book*
Lakewood Engineering Co. ("Lakewood," "Eclipse," Ideal Controllable), Cleveland, Ohio
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Littleford Bros., 444 E. Pearl, Cincinnati, O. *See adv index at end of book*
McMyler-Interstate Co. (The), Cleveland, Ohio *See adv index at end of book*
Mansfield Engineering Co. ("Pioneer"), 1100 Burdsal Pkway, Indianapolis, Ind.
Penn Foundry & Mfg. Co., Reading, Pa.
Sackett H. B. Screen & Chute Co., 1691 Elston av, Chicago, Ill.
Stephens-Adamson Mfg. Co. ("S.-A."), Aurora, Ill.
Stuebner G. L. Iron Works, Queensboro Terminal, Long Island City, N. Y.
Tidewater Iron Works, Hoboken, N. J.
Tippet & Wood, Phillipsburg, N. J.
Union Iron Works, Hoboken, N. J.

1586— Buckets (Center Dump)

Bailey-Burruss Mfg. Co., Atlanta, Ga.
Insley Mfg. Co. (Controllable), 3500 E St. Clair, Indianapolis, Ind.
Littleford Bros., 444 E. Pearl, Cincinnati, O.
See adv index at end of book
Stuebner G. L. Iron Works (Controllable), Queensboro Terminal, Long Island City, N. Y.
Tippet & Wood, Phillipsburg, N. J.
Williams G. H. Co., Erie, Pa.

1587— Buckets (Clam Shell)

American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept H, 14th & State, Chicago Heights, Ill.
Austin Machinery Corp., Dorr, at Westwood av, Toledo, Ohio
Bacon & Matheson Forge Co., 17H W. Lander, Seattle, Wash.
BLAW-KNOX CO. (Single, two, three, and four line type Buckets for excavating, rehandling, and dredging. The Blaw-Knox Dreadnaught is a general purpose Bucket, powerful digger, quick in dumping. Send for catalogue), 681 Farmers' Bank bldg, Pittsburgh, Pa.
See adv index at end of book

BLAW-KNOX CO.
681 Farmers Bank Building
PITTSBURGH, PA.
Clamshell Buckets

Brosius Edgar E., 1212 Benedum Trees bldg, Pittsburgh, Pa.
BROWN HOISTING MACHINERY CO. (THE), 4403 St. Clair N E, Cleveland, O. *See adv index at end of book*

BROWNHOIST

Buckets

Simple but sturdy construction stands out as the greatest advantage of the Brownhoist Clamshell Bucket. Manganese steel digging edges, extra large bearing surfaces (those carrying the load are bronze bushed), straight rope leads (with no S bends) and large sheaves reduce wear on both bucket and ropes.

The four-part closing line, the shape of the bowls, and the relative position of the centers give this bucket great closing power and digging ability.

The Brownhoist Link-Type Grab Bucket is designed for heavy duty work in handling coal, ore, stone, etc. This bucket is built in types ranging from ½ to 15 tons capacity for use on all kinds of two drum machines.

Write for catalog.

The Brown Hoisting Machinery Co.

Cleveland, Ohio

Browning Co., E 162nd & Waterloo rd, N E. Cleveland, O.
Haiss Geo. Mfg. Co., 369 Rider av, New York
HAYWARD CO., 50 Church, New York
See adv index at end of book

HAYWARD BUCKETS
DIGGING MACHINERY
THE HAYWARD COMPANY
50 CHURCH STREET NEW YORK

Hunt C. W. Co., West New Brighton, N. Y.
See adv index at end of book
Industrial Works, Bay City, Mich.
Kiesler Jos. F. Co. ("Kiesler"), N Sangamon & W Huron, Chicago, Ill.
Lakewood Engng Co., Cleveland, Ohio
LINK BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
McMYLER-INTERSTATE CO. (THE), Cleveland, Ohio
See adv index at end of book

Clam-shell Buckets

THE McMYLER INTERSTATE CO.

CLEVELAND

Sales offices in all principal cities

Mead-Morrison Mfg. Co., Cor Prescott & Orleans, East Boston, Mass.
Meyer Henry H. Co. (Dirs.), 110 S. Howard, Baltimore, Md.
Northern Engineering Works, 9 Chene, Detroit, Mich.
Ohio Locomotive Crane Co., Frederick, Bucyrus, Ohio
See adv index at end of book
Orton & Steinbrenner Co., 610 S Dearborn, Chicago, Ill.
Owen Bucket Co. ("Owen"), Rockefeller bldg, Cleveland, O.
Quintard Iron Works Co. ("Arnold" Pneumatic), 40 Wall, New York
Smith Theo. & Sons Co., ft Essex, Jersey City, N. J.
Stockton Iron Works, Lindsay & Harrison, Stockton, Cal.
Vulcan Iron Works Inc., Hudson & Essex, Jersey City, N. J.
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.
Williams G. H. Co. ("Williams"), H, Cascade Jct., Erie, Pa.
Young Iron Works, 2951 1st av S, Seattle, Wash.

1588—*Buckets (Clam Shell, Electric Motor)

Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Hayward Co., 50 Church, New York
See adv index at end of book

HAYWARD BUCKETS
DIGGING MACHINERY
THE HAYWARD COMPANY
50 CHURCH STREET NEW YORK

1589— Buckets (Coal & Ore)

See also Tubs, Hoisting & Dumping

Akron Cultivator Co., Akron, O.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Archer Iron Works (Steel Coal), 2436 W 34th pl, Chicago, Ill.
Atlas Car & Mfg. Co., Cleveland, O.
See adv index at end of book
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Biehl Iron Wks., Inc., Reading Pa.
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Brown Hoisting Machy. Co. (The), 4403 St. Clair, N. E., Cleveland, Ohio
See adv index at end of book
Browning Co., E 162nd & Waterloo rd, N E, Cleveland, O.

CALDWELL & SON CO. H. W., 1700 S Western av, Chicago, Ill.
Chain Belt Co., 746 Park, Milwaukee, Wis. *See adv index at end of book*
Columbus Conveyor Co., W Goodale, Columbus, Ohio
Denver Engineering Works Co., Denver, Colo.
Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Haiss Geo. Mfg. Co., 369 Rider av, New York
HAYWARD CO., 50 Church, New York *See adv index at end of book*
Hendy Joshua Iron Works (Ore.), 75 Fremont, San Francisco, Cal.
Howe Scale Co. of Illinois, 1222 S. Wabash av, Chicago, Ill.
Hunt C. W. Co., West New Brighton, N. Y. *See adv index at end of book*
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
Kiesler Jos. F. Co., N Sangamon & W Huron, Chicago, Ill.
Lakewood Engng. Co., Cleveland, Ohio
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Littleford Bros., 444 E Pearl, Cincinnati, Ohio. *See adv index at end of book*
McMYLER-INTERSTATE CO. (THE), Cleveland, Ohio *See adv index at end of book*

Coal-Sand-Ore Buckets

THE McMYLER INTERSTATE CO.

CLEVELAND

Sales offices in all principal cities

Mead-Morrison Mfg. Co., Cor Prescott & Orleans, East Boston, Mass.
Mullins Body Corp., Dept. H, Salem, O.
Nelson N. P. Iron Works, 216 40th, Brooklyn, N. Y.
Ohio Locomotive Crane Co., Frederick, Bucyrus, Ohio *See adv index at end of book*
Owen Bucket Co. ("Owen"), Rockefeller bldg, Cleveland, O.
Penn Foundry & Mfg. Co., Reading, Pa.
Phillips, Doup & Co., 60 Pearl, Brooklyn, N. Y.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg., Pittsburgh, Pa. *See adv index at end of book*
Sackett H. B. Screen & Chute Co., 1691 Elston av, Chicago, Ill.
South Side Fdry. & Mach. Wks., Charleston, W. Va.
Stephens-Adamson Mfg. Co. ("S.-A."), Aurora, Ill.
Stuebner G. L. Iron Works (Self Dumpinig & Righting), Queensboro Terminal, Long Island City, N. Y.
Tippet & Wood, Phillipsburg, N. J.
Traylor Engng. & Mfg. Co. (Ore Only), Allentown, Pa.
Union Chain & Mfg. Co., Sandusky, Ohio
Watt Mining Car Wheel Co., Barnesville, O.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.
Wellman-Seaver-Morgan Co., E. 70th & Central av, Cleveland, Ohio
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Williams G. H. Co., Erie, Pa.

1590— Buckets (Concrete)

Austin Machinery Corp., Dorr, at Westwood av, Toledo, Ohio
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O. *See adv index at end of book*
Davis Norris K., 400 7th, San Francisco, Cal.
Dutwiler Mfg. Co., 2437 E. 23rd, Los Angeles, Cal.
Garfield & Co., 1323 Heart bldg, San Francisco, Cal.
Hayward Co., 50 Church, New York *See adv index at end of book*
Lakewood Engineering Co., Cleveland, O.
Littleford Bros., 444 E Pearl, Cincinnati, Ohio. *See adv index at end of book*
McMyler-Interstate Co. (The), Cleveland, Ohio *See adv index at end of book*
Michel & Pfeffer Iron Works, 1417 Harrison, San Francisco, Cal.
Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.
Ransome Concrete Machinery Co., Dunnellen, N. J.
Standard Metal Products Co., 558 Bryant, San Francisco, Cal.
Stephens-Adamson Mfg. Co. ("S.-A."), Aurora, Ill.
Stuebner G. L. Iron Works, Queensboro Terminal, Long Island City, N. Y.
Tippet & Wood, Phillipsburg, N. J.
Union Chain & Mfg. Co., Sandusky, Ohio

1590a—*Buckets (Contractors)

Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
Breeze Bros. Co., The, 2349 Reading rd, Cincinnati, Ohio *See adv index at end of book*
Hayward Co., 50 Church, New York *See adv index at end of book*

1591— Buckets (Dope)

Johnston Mfg. Co., Urbana, O.

1592—Buckets (Drag Line Scraper)

Austin Machinery Corp., Dorr, at Westwood av, Toledo, Ohio
Brown Hoisting Machinery Co. (The), 4403 St. Clair N E, Cleveland, O. *See adv index at end of book*
Browning Co., E 162nd & Waterloo rd, N E, Cleveland, O.
General Machinery Co., S-13 Post, Spokane, Wash.
Hayward Co., 50 Church, New York *See adv index at end of book*

HAYWARD BUCKETS
DIGGING MACHINERY
THE HAYWARD COMPANY
50 CHURCH STREET NEW YORK

Interstate Boiler Works, 14th & Quimby, Portland, Ore.
Link-Belt Company, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
McMyler-Interstate Co. (The), Cleveland, Ohio *See adv index at end of book*
Mansfield Engineering Co. The ("Pioneer"), 1100 Burdsal Pkway, Indianapolis, Ind.
Monighan Machine Co., 2032 Carroll av, Chicago, Ill.
Ohio Locomotive Crane Co., Frederick, Bucyrus, Ohio *See adv index at end of book*
Russell Grader Mfg. Co. ("Russell"), 2005 University av, Minneapolis, Minn.
United Iron Works, Inc. (Excavating), Kansas City, Mo.
Young Iron Works, 2951 1st av S, Seattle, Wash.

1593—Buckets (Dredging & Excavating)

(Names with * also manufacture in Monel Metal)

Am. Bridge Co., 71 B'way, New York
American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept. H, 14th & State, Chicago Heights, Ill.
Austin Machinery Corp., Dorr, at Westwood av, Toledo, Ohio
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa. *See adv index at end of book*
HAYWARD CO., 50 Church, New York *See adv index at end of book*
Hensley Jas. W. & Co., 315 W Capitol av, Indianapolis, Ind.
Interstate Boiler Works, 14th & Quimby, Portland, Ore.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
Kiesler Jos. F. Co., N. Sangamon & W Huron, Chicago, Ill.
Lakewood Engineering Co., Cleveland, O.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
McMyler-Interstate Co. (The), Cleveland, Ohio *See adv index at end of book*
Mansfield Engineering Co. ("Pioneer"), Fletcher Trust bldg., Indianapolis, Ind.
Mead-Morrison Mfg. Co., Cor Prescott & Orleans, East Boston, Mass.
Osgood Co., Marion, O.
Owen Bucket Co. ("Owen"), Rockefeller bldg, Cleveland, O.
Page Engineering Co. ("Page" Scraper Excavator), 189 W. Madison, Chicago Ill.
Penn Foundry & Mfg. Co., Reading, Pa.
Sauerman Bros. (Buckets for slackline gravity return type cableways. Built in several sizes and designs to meet the different conditions of excavating work from above or below water. See our ad. opposite classification of cableways), 458 S. Clinton, Chicago. *See adv index at end of book*
Smith Theo. & Sons Co., ft Essex, Jersey City, N. J.
Stockton Iron Works, Lindsay & Harrison, Stockton, Cal.
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.
Wellman-Seaver-Morgan Co., E. 70th & Central av, Cleveland, Ohio
Williams G. H. Co., Erie, Pa.

1593a— Buckets (Dye)

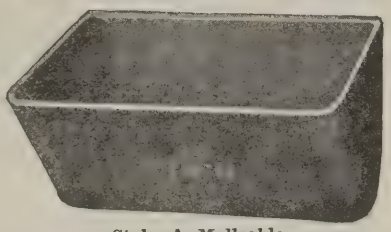
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall, New York (See insert under Monel Metal) *See adv index at end of book*
Sholes, Inc. (Monel Metal), 189 Lafayette, New York

1594—Buckets (Elevator & Conveyor)

Allis-Chalmers Mfg. Co. (for Flour Mills), Milwaukee, Wis. *See adv index at end of book*
Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept. H, 14 State, Chicago Heights, Ill.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
BARTLETT & SNOW CO. C. O., 6350 Harvard av, Cleveland, O. *See adv index at end of book*
Beckley Perforating Co., Garwood, N. J.
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa. *See adv index at end of book*
Brown Hoisting Machinery Co. (The), 4403 St. Clair, N. E., Cleveland, Ohio *See adv index at end of book*
CALDWELL & SON CO. H. W., 1700 Western av, Chicago, Ill.
Chain Belt Co., 746 Park, Milwaukee, Wis *See adv index at end of book*
*Cleveland Wire Cloth Co., Cleveland, O.
Codd E. J. Co., 700 S Caroline, Baltimore, Md.
Columbus Conveyor Co., W. Goodale, Columbus, Ohio
Conveyor Co., 140 W. Elmyra, Los Angeles, Cal.
Cross Engineering Co., Carbondale, Pa.
*Diamond Mfg. Co., Wyoming, Pa.
Dodge Mfg. Corp., Mishawaka, Ind.
Dow Co., 201H N Buchanon, Louisville, Ky.
Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Federal Malleable Co. (Malleable Iron), West Allis, Wis.
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
*Geuder, Paeschke & Frey Co., Milwaukee, Wis.
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
HOWE CHAIN CO. (Charcoal Malleable Iron), Muskegon, Mich.
ILLINOIS MALLEABLE IRON CO., 1801 Diversey blvd, Chicago. *See adv index at end of book*
Insley Mfg. Co. (Automatic Concrete Mast Hoist), E St. Clair & Olney, Indianapolis, Ind.
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall, New York (See insert under Monel Metal) *See adv index at end of book*
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
*Jelliff Mfg. Corp. C. O., Southport, Conn.
Leetonia Boiler Co., Leetonia, O.
LINK-BELT COMPPANY ("Luhrig"), 300 W. Pershing rd, Chicago, Ill.
LITTLEFORD BROS. (Plain & Perforated), 444 E Pearl, Cincinnati, Ohio *See adv index at end of book*
*Magosy & Busch, 232 Canal, New York
Mansfield Engineering Co. ("Pioneer"), Fletcher Trust bldg., Indianapolis, Ind.
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.
Michigan Sprocket Chain Co., Delray, Detroit, Mich.
Moline Malleable Iron Co., St. Charles, Ill.
Montague Pipe & Steel Co., Hobart bldg, San Francisco, Cal.
Moore, Geo. W. Co. ("Salem" Also Grain), 2144 W. Fulton, Chicago, Ill.
Mullins Body Corp., Dept. H, Salem, O.
*Munning & Co. A. P., Matawan, N. J.
Nelson N. P. Iron Works, 216 40th, Brooklyn, N. Y.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.
Pennsylvania Eng. Works, New Castle, Pa.
Pressed Steel Co. (Seamless, Manganese), N Penn av, Wilkes-Barre, Pa.
Remaly Mfg. Co., Tamaqua, Pa.
Robins Conveying Belt Co., 15 Park row, New York *See adv index at end of book*
Robinson H. Mfg. Co., Muncy, Pa.
Sackett H. B. Screen & Chute Co., 1691 Elston av, Chicago, Ill.
Savage W. J. Co., Knoxville, Tenn.
Schmahl Jacob & Co., 28 Lloyd, Buffalo, N. Y.

(Continued on following page)

WEBSTER ELEVATOR BUCKETS



Style A Malleable

The Webster line of buckets for handling all kinds of materials in many different industries is complete. And whether you want to handle sand, stone, gravel, cement, ore, grain or any other material, there is a Webster bucket to do it.

Made in many styles and sizes to meet conditions

SEND FOR CATALOG



Continuous Steel



Salem Steel

The Webster Mfg. Co.

4500-4560 Cortland Street

CHICAGO, ILL.

Buckets (Elevator and Conveyor)—Continued

*Sholes, Inc., 186 Lafayette, New York
Smith & Co. John P., New Haven, Conn.
Specialty Engineering Co., Trenton & Allegheny, Phila., Pa.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Standard Sand & Machine Co., 5150 St. Clair av, Cleveland, O.
Stearns Conveyor Co., St. Clair & E. 200th, Cleveland, Ohio
See adv index at end of book
*Steel Products Mfg. Co., Cicero, Ill.
Stephens-Adamson Mfg. Co. ("S. A."), Aurora, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co. W. S., Cleveland, O.
Union Chain & Mfg. Co., Sandusky, Ohio
Union Iron Works, Hoboken, N. J.
Union Iron Works, Spokane, Wash.
United Iron Works, Inc., Kansas City, Mo.
Webster Mfg. Co., 4500 Cortland, Chicago, Ill. *See adv index at end of book*
Weller Mfg. Co., 1856 N Kastner av, Chicago, Ill.
Willcox Engineering Co. (For Hauling Salt), 1525 Holland av, Saginaw, Mich.
Wolf Co., Chambersburg, Pa.
Worthington Pump & Machy. Corp., 115 B'way, New York

Buckets (Fibre)

See Pails, Fibre

1595— Buckets (Fire)

See also Pails, Galvanized Iron
Also Buckets, Rubber

Atlantic Stamping Co., 156-180 Ames, Rochester, N. Y.
Boyle Mfg. Co. ("Boyco"), 51st & Santa Fe av, Los Angeles, Cal.
Castle Jas. M., Inc. (Bucket Tanks), 1224 Arch, Phila., Pa.
Crunden Martins Mfg. Co., 2d & Gratiot, St. Louis, Mo.
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Foamite-Childs Corporation, 101 Turner, Utica, N. Y.
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
Hayward S. F. & Co., 250 W. 54th, New York
Hunt & Dorman Mfg. Co. (Special), 1600 E 24th, N. E, Cleveland, O.
Kraft A. C., 328 W Lake, Chicago, Ill.
Miller-Peerless Mfg. Co., 325 N. Curtis, Chicago, Ill.
New Orleans Roofing & Metal Co. ("Nola"), Cortez & Orleans, New Orleans, La.
Northern Fire Apparatus Co. ("Waggoner" Sanitary), 2422 University av S E, Minneapolis, Minn.
Orleans Steel Products Co., Inc. (Jobbers), 1021H Bienville, New Orleans, La.
Rochester Can Co. ("Iron Horse" Galvanized Iron), 89 Hague, Rochester, N. Y.
Safety Fire Extinguisher Co. (Safety Fire Bucket Tanks), 295 7th av, New York
Snyder M. L. & Son, 223 Church, Phila., Pa.
Steel Basket Co. (Corrugated & Plain), Cedar Rapids, Ia.
Waggoner Sanitary Fire Bucket Co., 400 Monticello av, Chicago, Ill.
Wheeling Corrugating Co., Wheeling, W. Va.
Zelnicker Walter A. Supply Co. ("Zelnicker" Conical), 325 Locust, St. Louis, Mo.

Buckets (Galvanized Iron)

See Pails, Galvanized Iron

1596—*Buckets (Gold Dredging)

Taylor-Wharton Iron & Steel Co., High Bridge, N. J.

1597— Buckets (Grab)

American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept. H, 14th & State, Chicago Heights, Ill.
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Brosius Edgar E. ("Brosius"), 1212 Benedum Trees bldg, Pittsburgh, Pa.
BROWN HOISTING MACHINERY CO. (THE), 4403 St Clair N E, Cleveland, Ohio. *See adv index at end of book*
Browning Co. (Automatic Square Type), E 162d & Waterloo rd N E, Cleveland, O.
Harnischfeger Corp. ("P. & H." for Foundry Use), Milwaukee, Wis.
See adv index at end of book
Hayward Co., 50 Church, New York
See adv index at end of book
Hunt C. W. Co., West New Brighton, N. Y.
See adv index at end of book
Industrial Works, Bay City, Mich.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
McMYLER-INTERSTATE CO. (THE), Cleveland, Ohio
See adv index at end of book
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.
Owen Bucket Co. ("Owen"), Rockefeller bldg., Cleveland, O.
Vulcan Iron Works, Inc., Hudson & Essex, Jersey City, N. J.
Wellman-Seaver-Morgan Co., E. 70th & Central av, Cleveland, Ohio
Whiting Foundry Equipment Co. ("Watters" Quick Detachable), 157th & Halstead, Chicago, Ill.
Williams G. H. Co., H Cascade Jct., Erie, Pa.

1598— Buckets (Grease)

Eagle Mfg. Co. ("Eagle" Steel), Wellsburg, W. Va.
GEM MANUFACTURING CO. ("Gem" Welded Steel), Goebel, nr. Fulton, Pittsburgh, Pa.
Lane C. L. ("Wooden"), East Swanzey, N. H.
New England Box Co., 104 E. 42nd, New York *See adv index at end of book*
Rose Frank Mfg. Co. ("Rose"), Hastings, Neb.

1599-1600—Buckets (Hard Rubber)

American Hard Rubber Co. (For Acids, Dyes, Brine, etc), 9 Mercer, New York
Archer Iron Wks., 2436 W. 34th pl, Chicago, Ill.
U. S. Rubber Co., 1790 Broadway, New York *See adv index at end of book*

1601— Buckets (Maple Sap)

Grimm G. H. ("Grimm"), Rutland, Vt.

1602— Buckets (Minnow)

Deshler Mail Box Co. ("Jones"), Deshler, O.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.

1603—Buckets (Orange Peel)

American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept. H, 14th & State, Chicago Heights, Ill.
Austin Machinery Corp., Dorr, at Westwood av, Toledo, Ohio
Browning Co., E 162d & Waterloo rd, N E, Cleveland, O.

HAYWARD CO., 30 Church, New York
See adv index at end of book

HAYWARD BUCKETS
DIGGING MACHINERY
THE HAYWARD COMPANY
50 CHURCH STREET NEW YORK

Kiesler Jos. F. Co., N Sangamon & W Huron, Chicago, Ill.
LINK-BELT COMPANY, 300 W. 39th, New York *See adv index at end of book*
McMYLER-INTERSTATE CO. (THE), Cleveland, Ohio
See adv index at end of book

Orange-Peel Buckets

THE McMYLER INTERSTATE CO.

CLEVELAND

Sales offices in all principal cities

Mead-Morrison Mfg. Co., Cor Prescott & Orleans, East Boston, Mass.
Ohio Locomotive Crane Co., Frederick, Bucyrus, O. *See adv index at end of book*
Orton & Steinbrenner Co., 610-H S. Dearborn, Chicago, Ill.
Smith Theo. & Sons Co., ft Essex, Jersey City, N. J.
Vulcan Iron Works Inc., Hudson & Essex, Jersey City, N. J.

1604— Buckets (Powder)

Brown M. Co., Wapakoneta, O.

1605— Buckets (Pump)

See also Buckets, Rubber

Chain Products Co. ("Cleveland" Standard Expansion), E. Cooper av, Cleveland, O.
Weaver Mfg. Co. ("Weaver"), Springfield, Ill.
Wyckoff A. & Son Co. (Chain Pumps & Buckets), Elmira, N. Y.

1606— Buckets (Rubber)

Chain Products Co. ("Cleveland" Standard Expansion), E. Cooper av, Cleveland, O.
Combination Rubber Mfg. Co., Bloomfield, N. J.
Crosby Co., Cuba, N. Y.
Gutta Percha & Rubber Mfg. Co., 350 Madison av, New York
Empire Tire & Rubber Corp. (Rubber), Trenton, N. J.
Goodrich B. F. Rubber Co., Akron, O.
Goodyear Rubber Co. & Rubber Clothing Co., 787 B'way, New York
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Hodgman Rubber Co., 25 W 43rd, New York

India Rubber Co., New Brunswick, N. J.
Myers F. E. & Bro., 300 Orange, Ashland, Ohio
National India Rubber Co. ("Pioneer"), Bristol, R. I.
Pennsylvania Rubber Co. (Pump), Jeannette, Pa.
Republic Rubber Co., Youngstown, O.

1607—Buckets (Sand Handling)

Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Brown Hoisting Machinery Co. (The), 4403 St. Clair, N.E., Cleveland, O.
See adv index at end of book
BUFFALO HOIST & DERRICK CO., 131 Erie, Buffalo, N. Y.
See adv index at end of book
Hayward Co., 50 Church, New York
See adv index at end of book
Howe Chain Co., Muskegon, Mich.
Hunt C. W. Co., West New Brighton, N. Y.
See adv index at end of book
JEFFERY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Mansfield Engineering Co., Fletcher Trust bldg., Indianapolis, Ind.
McMYLER-INTERSTATE CO. (THE), Cleveland, Ohio
See adv index at end of book
National Engineering Co., 549 W. Washington blvd, Chicago, Ill.
Ohio Locomotive Crane Co., Frederick, Bucyrus, O. *See adv index at end of book*
Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.
Stephens-Adamson Mfg. Co. ("S.-A."), Aurora, Ill.
Stockton Iron Works, Lindsay & Harrison, Stockton, Cal.
Tippet & Wood, Phillipsburg, N. J.
Union Chain & Mfg. Co., Sandusky, Ohio
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

1608—Buckets (Scraper, Clam Shell)

Brown Hoisting Machinery Co. (The), 4403 St. Clair, N.E., Cleveland, O.
See adv index at end of book
Hayward Co., 50 Church, New York
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.
Vulcan Iron Works Inc., Hudson & Essex, Jersey City, N. J.

Buckets (Scraper Excavator)

See Buckets, Drag Line Scraper

1609—Buckets (Self-Dumping)

See also Tubs, Hoisting & Dumping
Atlas Car & Mfg. Co., Cleveland, O.
See adv index at end of book
Austin Machinery Corp. (& Loading), Railway Exchange bldg, Chicago, Ill.
Biehl Iron Works, Inc. (Self-Righting), Reading, Pa.
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Brown Hoisting Machinery Co. (The), 4403 St. Clair, N.E., Cleveland, O.
See adv index at end of book
Clyde Iron Works Sales Co., Duluth, Minn.
See adv index at end of book
Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
HUNT C. W. CO., West New Brighton, N. Y. *See adv index at end of book*
Insley Mfg. Co. (Concrete Elevator), E St. Clair & Olney, Indianapolis, Ind.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
PENN FOUNDRY & MFG. CO., Wyomissing, Reading, Pa.
Stuebner G. L. Iron Works, Queensboro Terminal, Long Island City, N. Y.
Tippet & Wood, Phillipsburg, N. J.
Union Chain & Mfg. Co., Sandusky, Ohio
United Iron Works, Inc., Kansas City, Mo.
Williams G. H. Co., Erie, Pa.

1610—Buckets (Self-Loading Powder Scraper)

Austin Machinery Corp., Dorr, at Westwood, Toledo, Ohio
Brown Hoisting Machinery Co., 4403 St. Claire, N E, Cleveland, O.
See adv index at end of book
LINK-BELT CO., 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Page Engineering Co. ("Page" Automatic Dumping), 189 W Madison, Chicago, Ill.
Williams G. H. Co., Erie, Pa.

1611— Buckets (Sewer)

Akron Cultivator Co., Akron, O.
Eagle Mfg. Co. ("Eagle" Welded Steel), Wellsburg, W. Va.
National Enameling & Stamping Co., 411 5th av, New York
Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.
Stuebner G. L. Iron Works, Queensboro Terminal, Long Island City, N. Y.
Williams G. H. Co., Erie, Pa.

1612— Buckets (Shoveling)

Brown Hoisting Machinery Co. (The), 4403 St. Clair, N.E., Cleveland, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

1613— Buckets (Skip)

Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Jeffrey Mfg. Co., 961 N. Fourth, Columbus, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Michel & Pfeffer Iron Works, 1417 Harrison, San Francisco, Cal.
National Engineering Co., 549 W. Washington blvd, Chicago, Ill.
Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.
Stephens-Adamson Mfg. Co. ("S.-A."), Aurora, Ill.
Union Chain & Mfg. Co., Sandusky, Ohio

Buckets (Slag)

See Buckets, Sand Handling

Buckets (Stone)

See Buckets, Elevator & Conveyor

1613a—*Buckets (Turn Over)

Easton Car & Construuction Co., 36 Holly, Easton, Pa. *See adv index at end of book*

Buckets (Water)

See Pails, Galvanized Iron

1614— Buckets (Well)

See also Pails, Galvanized Iron
Chattanooga Roofing & Foundry Co. (Galvanized Bored), Dept. H, Chattanooga, Tenn.
CORDLEY & HAYES (Fibre), 32 Leonard, New York *See adv index at end of book*
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Lown & Son, Poughkeepsie, N. Y.
McClinton Mfg. Co. (Drilled), Ft. Smith, Ark.
McMyler-Interstate Co. (The), Cleveland, Ohio *See adv index at end of book*
National Enameling & Stamping Co. (Artesian, Bored, etc), 411 5th av, New York
New Orleans Roofing & Metal Co. ("Nola"), Cortez & Orleans, New Orleans, La.
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Richmond Cedar Works ("Dixie," "Victor," "Jumbo," "King," "Crown," White Oak Iron Bound), Fulton, Richmond, Va.
Rochester Can Co. ("Iron Horse"), 89 Hague, Rochester, N. Y.
See adv index at end of book
Schlueter Mfg. Co., Broadway & John av, St. Louis, Mo.
Scott Roofing & Mfg. Co., 408 Culvert, Cincinnati, O.
Union Cooperage Co. (Wooden), 2nd & Penrose, St. Louis, Mo.
Wheeling Corrugating Co., Wheeling, W. Va.

Buckets (Wooden)

See Pails & Buckets, Wood

1615—Buckets & Pails (Collapsible)

Abercrombie David T. Co., 24 Stone, New York
Abercrombie & Fitch Co., Madison av & 45th, New York
Defiance Welding Co. ("Boko"), Defiance, O.
Goodrich B. F. Co., Akron, O.
Goodyear Rubber Co. & Rubber Clothing Co., 787 B'way, New York
Gutta Percha & Rubber Mfg. Co., 350 Madison av, New York
Hayward S. F. & Co. (Folding Buckets), 250 W 54th, New York
Hodgman Rubber Co., 25 W 34th, New York
Martin Auto Specialty Co., Lancaster, O.
Mechanical Rubber Co., 1790 B'way, New York
National India Rubber Co., Bristol, R. I.
National Mfg. Co., Des Moines, Ia.
Planet Co. ("Duplex"), Westfield, Mass.
Pneumatic Mfg. Co. (Canvas), 123 Pacific, Brooklyn, N. Y.
Safety Fire Extinguisher Co. (Rubber & Canvas), 295 7th av, New York
Stanley Wm. W. (Canvas), 62 White, New York

1616— Buckles (Back Band)

STANLEY WORKS ("Plow Boy," "Samson" & "Stanley"), New Britain, Conn.
See adv index at end of book
Waterbury Button Corporation, 831 So Main, Waterbury, Conn.
See adv index at end of book

1617— Buckles (Bale)

Acme Steel Goods Co., 2834 Archer av, Chicago, Ill.
Am. Nut & Bolt Fastener Co., 3 Ontario, Pittsburgh, Pa.
Bethlehem Steel Co., Bethlehem, Pa.
CARY MFG. CO., Nassau & Jay, Brooklyn, N. Y. *See adv index at end of book*
De Haven Mfg. Co., 50 Columbia Heights, Brooklyn, N. Y.
Hubbard Pressed Steel Co., Niles, O.
Joliet Wrought Washer Co., 2001 Collins, Joliet, Ill.
Oliver Iron & Steel Co. (Cotton Tie), S 10th & Muriel, Pittsburgh, Pa.
Sharon Steel Hoop Co. (Cotton Tie, etc.), Sharon, Pa.
Stanley Works, New Britain, Conn.
See adv index at end of book

1618—Buckles (Belt & Strap)

Alma Mfg. Co. (Men's), 611 S Monroe, Baltimore, Md.
American Buckle Co., West Haven, Conn.
Conlan Bernard & Co., 87 Hamilton, Newark, N. J.
Connecticut Web & Buckle Co., 71 Knowlton, Bridgeport, Conn.
Duffield & Co., Derby, Conn.
Elbel Mfg. Co. (Web Strap), 826 Mulberry rd, Canton, O.
Grammes L. F. & Sons, 311 Union, Allentown, Pa.
See adv index at end of book
Havell Mfg. Co., 284 Washington, Newark, N. J.
Imperial Pearl Button Co., 131 W. 23rd, New York
Jenkinson R. C. & Co. (Strap), 293 Washington, Newark, N. J.
North & Judd Mfg. Co. ("Anchor Brand"), New Britain, Conn.
O'Neill & O'Neill (Ladies'), 83 Union, Newark, N. J.
Osborn J. K. Mfg. Co., Harrison, N. J.
Poeter E. & Co., 1163 S Grove, Newark, N. J.
Prentice G. E. Mfg. Co. (Also Suspenders), Dept. H, New Britain, Conn.
Riley-Koltz Mfg. Co., 17 Mulberry, Newark, N. J.
ROYAL COMB CO. (Belt), 180 Pond, Leominster, Mass.
Smith & Griggs Mfg. Co., Waterbury, Conn.
Stimpson Edwin B. Co. (Web Strap Only), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Traut & Hine Mfg. Co., New Britain, Conn.
Turkeltaub M. & Son, 38 E 12th, New York
Union Metal Goods Co. (Overall), Pawtucket, R. I.
WATERBURY BUTTON CORPORATION, 831 So Main, Waterbury, Conn.
See adv index at end of book
West Haven Buckle Co. (Clothing), West Haven, Conn.
Whitehouse H. G., 44 Elm, Newark, N. J.

1619— Buckles (Harness)

Eberhard Mfg. Co., C. & P. R. R. & Tennyson rd, Cleveland, O.
Elbel Co., Canton, Ohio
Enterprise Mfg. Co. ("Pflueger"), Akron, O.
Imperial Bit & Snap Co. (& Loops), Racine Wis.
Jenkinson R. C. & Co., 293 Washington, Newark, N. J.
North & Judd Mfg. Co. ("Anchor Brand," "Tungard"), New Britain, Conn.
Rubber & Celluloid Products Co., 56 Ferry, Newark, N. J.
Waterbury Button Corporation, 831 So. Main, Waterbury, Conn.
See adv index at end of book

1620— Buckles (Lock)

Posternok, Jos. (Double End Fabric), Dept. H, Walpole, Mass.
Star Brass Mfg. Co. ("Renewable"), 53 Oliver, Boston, Mass.
Stimpson Edw. B. Co. ("Lynch-Gapen"), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book

1621— Buckles (Overshoe)

Stimpson Edwin B. Co. (Also Goloshes, Leggins, etc.), 852 Kent av, Brooklyn, N. Y. *See adv index at end of book*

1622— Buckles (Shoe)

Alterson L. & Co., 162 W 34th, New York
Conlan Bernard & Co., 87 Hamilton, Newark, N. J.
North & Judd Mfg. Co. ("Anchor Brand"), New Britain, Conn.
Stimpson Edwin B Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Thomson Judson L. Mfg. Co., Waltham, Mass.
Waterbury Button Corporation 831 So. Main, Waterbury, Conn.
See adv index at end of book

1622a— Buckles (Suspender)

Stimpson Edwin & Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book

1623— Buckles (Wire)

Ersted Machinery Mfg. Co. ("Economy" Tie), E 29th & Clackamas, Portland, Ore.
Eastern Tool & Mfg. Co. (For Overalls), Bloomfield av, Bloomfield, N. J.
HENDRYX, A. B. CO., 86 Audobon, New Haven, Conn. *See adv index at end of book*
North & Judd Mfg. Co. ("Anchor" Brand), New Britain, Conn.
Prentice G. E. Mfg. Co., Dept. H, New Britain, Conn.
Scovill Mfg. Co., Waterbury, Conn.
See adv index at end of book
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Waterbury Buckle Co., Waterbury, Conn.
Waterbury Button Corporation, , 831 So. Main, Waterbury, Conn.
See adv index at end of book
Wire Novelty Mfg Co., West Haven, Conn.
Wodack Electric Tool Corp. ("Wodack"), 23-H Jefferson, Chicago, Ill.

1624-5— Buckram

Bridgeport Coach Lace Co. ("Bridgeport"), 813 Wood av, Bridgeport, Conn.
Chandler Oil Cloth & Buckram Co. ("Wild Duck," One, Two & Three-Ply Burlap for Auto Trimmers' Cap Fronts), Dept. H, East Taunton, Mass.
Cleveland-Akron Bag Co., Cleveland, O.
Irving Mfg. Co., 23 Jersey, New Brighton, S. I., N. Y.
Landers Bros. Co., Toledo, O.
McLean Andrew Co., Passaic, N. J.
Palmer J. E. Co. (Millinery), Middletown, Conn.
Richter Mfg. Co., Tenafly, N. J.
Thompson James & Co., 112 Prince, New York
U. S. Electric Mfg. Co. ("U. S."), 300H S. Central av, Los Angeles, Cal.

Buckram (Catalogue)

See Cloth, Book

Buddles (Revolving)

See Tables, Slime

1626— Buffers (Board)

Collar Valve Co. ("Collar"), Federal bldg, Oakland, Cal.
Harrington Cutlery Co. ("Dexter"), Southbridge, Mass.

1627— Buffers (Car)

Brill J. G. Co. (Angle Iron), 62nd & Woodland av, Phila., Pa.
Commonwealth Steel Co. (Cast Steel), Pierce bldg, St. Louis, Mo.
Franklin Railway Supply Co., Inc. ("Radial"), 17 E. 42nd, New York
Gould Coupler Co., 30 E 42d, New York
National Car Coupler Co. ("National" Platform & "Hinson" Friction), 332 S Michigan, Chicago, Ill. Works: Attica, Ind.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Standard Coupler Co., 110 E 42nd, New York

1627a— *Buffers (Finger Nail)

Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

1628—Buffers (Hand, Electric)

American Electric Tool Co. ("Carver," Portable), West Newton, Mass.
Cincinnati Electrical Tool Co. ("Cincinnati"), 1507 Freeman av, Cincinnati, O.
Hobart Bros. Co., Troy, O.
Robbins & Myers (Electric), 1400 Lagonda av, Springfield, Ohio
Stow Mfg. Co., Inc., Binghamton, N. Y.
See adv index at end of book
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book
Wisconsin Electric Co. ("Dumore"), 1602 Junction av, Racine, Wis.

1629-30— Buffers (Rubber)

Boston Belting Corp., 84 Linden Park, Boston, Mass.
Cigol-Behrens Rubber Co., Lodi, N. J.
Cincinnati Rubber Mfg. Co., Cincinnati, O.
Goodrich B. F. Rubber Co., Akron, O.
Gutta Percha & Rubber Mfg. Co., 350 Madison av, New York
Haskins R. G. Co. ("Haskins"), 516 W Monroe, Chicago, Ill.
National India Rubber Co., Bristol, R. I
Revere Rubber Co., Chelsea, Mass.
U. S. Electrical Mfg. Co. ("U. S." Electric Tire), 200 E Slauson av, Los Angeles, Cal.
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.

Buffers (Wagon Spring)

See Buffers (Rubber)

Buffs

See Wheels, Buffing; also Machy. Grinding & Polishing

1631— *Buflokast Apparatus

BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.

1631a— *Buflovak Apparatus

BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.

Buggies

See Carriages; see also Classifications of Buggies Following

1632—Buggies (Buhr-Stones)

Hasbrouck J. J. & Co. ("Esopus"), Office & Quarries, New Paltz, N. Y.

1633— Buggies (Charging)

See also Barrows, Furnace Charging, also Cars, Charging
Lakewood Engineering Co., Cleveland, O.
Stuebner G. L. Iron Works, Queensboro Terminal, Long Island City, N. Y.

1634— Buggies (Cinder)

Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Stuebner G. L. Iron Works, Queensboro Terminal, Long Island City, N. Y.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.

1635— *Buggies (Coal & Ore)

Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*
Stuebner G. L. Iron Works, Queensboro Terminal, Long Island City, N. Y.

1636— Buggies (Coke & Ore)

Atlas Engineering Co., Amherst, O.
Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*
Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.
Fischer & Hayes Rope & Steel Co., 816 W. Erie, Chicago, Ill.

1636a— Buggies (Concrete)

Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Davis Morris K. ("20th Century"), 400 7th, San Francisco, Cal.
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book

1637— Buggies (Lumber)

Brown Bros. Co., 11 Broadway, New York
Henderson W. K. Iron Works & Supply Co., Shreveport, La.
Holzbog C. H. & Bros., Jefferson, Ind.
Ransome Concrete Machinery Co., Dunellen, N. J.
Streich A. & Bro. Co., Oshkosh, Wis.

1637a— Buggies (Wire)

See also Trucks, Wire Mill; also Cars, Plate & Sheet Mill
Vaughn Machinery Co., Cuyahoga Falls, Ohio

1638—Buggy (Armature)

Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.

1639— Buhr Stones

See also Millstones
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
TOBLER & CO., INC., 115 Broad, New York
Van Brunt R. B. (French), 84 Cortlandt, New York

1640—Builders (Contracting, Large)

MARYLAND METAL BLDG. CO., McComas & Race, Baltimore, Md.
See adv index at end of book
STEWART JAMES & CO., INC., Madison av & 42nd, New York
Thompson-Starrett Co., 15 Wall, New York
Thompson & Binger, 103 Parker, New York
Turner Constr. Co., 244 Madison av, New York
White J. G. Engng. Corp., 43 Exchange pl, New York

1641 — Builders (Moving Picture Studio)

Lutton William H. Co., Jersey City, N. J.

Builders' Cast Iron Work

See Firms in Iron, Architectural & Ornamental, marked with a Star (*); also Machinists & Founders

1642—Building Directories (Changeable)

NEWMAN MFG. CO., 420 Elm, Cincinnati, Ohio
Tablet & Ticket Co., 624 W Adams, Chicago., Ill.
Universal Register Co., 226 W Ontario, Chicago, Ill.

1643—Building Materials (Second-Hand)

Buckeye Wrecking & Salvage Co., 959 W 7th, Cincinnati, Ohio
Buffalo House Wrecking & Salvage Co., Sycamore & Erie R. R., Buffalo, N. Y.
Cohen Bros. Iron & Metal Co., Des Moines, Ia.
Cuyahoga House Wrecking Co., 6311 Kinsman rd, Cleveland, O.
East Coast Hardware Co., West Palm Beach, Florida
Feitel M. House Wrecking Co., 3700 Tulane av, New Orleans, La.
Greene Byron W. Jr. Co., 531 E 17th, New York
Harris Bros. Co., W 35th & Iron, Chicago, Ill.
Lowell Building & Supply Co., Lowell, Ohio
Pachoud Bros., 1037 Gilbert av, Cincinnati, O.
Reeber's Jos. Sons Co., Canal pl & 138th, New York
Rhodes Jamison Co., Oakland, Calif.
Seagrist F. W. Jr. Co., 509 E 17th, New York
Southard Chas. H. Co., 9th av nr 15th, New York
Van Keuren & Son, 501 Passaic av, Newark, N. J.
Volk Jacob Housewrecking Co., 103 Park av, New York
World's Fair Wrecking Co., 1559 Gest, Cincinnati, O.

1644—Building Sheathing (Felt)

See also Felts, Roofing
Barrett Co. (Red Rosin Sized, etc.), 40-H Rector, New York
Johns-Manville, Inc. (Keystone "Electrobesto"), Madison av & 41st, New York
Keystone Hair Insulator Co. (Hair Felt), 1243 Spring Garden, Pittsburgh, Pa.
New England Felt Roofing Works, 101 Milk, Boston, Mass.
Standard Pipe Covering Co., 3743 E 71st, Cleveland, O.
Union Fibre Co., Inc. ("Linofelt"), Winona, Minn.
Watson H. F. Co. (Asbestos), Erie, Pa.

1645—Building Sheathing Quilt (Asbestos)

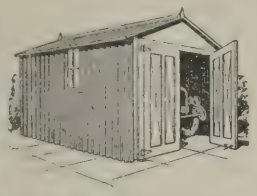
American Insulation Co., Nicetown, Phila., Pa. *See adv index at end of book*
CABOT SAMUEL, INC. ("Quilt"), 141 Milk, Boston, Mass.
See adv index at end of book
Miller Mfg. Co., 8000H Alabama av, St. Louis, Mo.

1645a— Buildings (Portable)

See also Houses (Sectional)
BAKER EDW. J. & CO. (Storage Steel), 608 Otis bldg, Chicago, Ill.
BLAW-KNOX CO., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book

BLAW-KNOX CO.
681 Farmers Bank Building
PITTSBURGH, PA.
Portable Buildings

FROM A TOOL HOUSE TO AN INDUSTRIAL PLANT



Garage or Tool House

Lyonore Metal

of which these buildings are constructed, is a corrosion resisting alloy that has successfully withstood severe tests under laboratory, factory and atmospheric conditions.

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are sold on a delivered and erected price that is lower than other forms of permanent construction, or you can erect them with your own labor, under your or our supervison.



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BUILDINGS of any type, for any use, can be had out of stock at a price that is low in first cost, maintenance and depreciation.

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McComas & Race
BALTIMORE, MD.

416 Crozer Bldg.
PHILADELPHIA

160 Broadway
NEW YORK



Factory and Storehouse Erected for U. S. HOFFMAN MACH. CO. Syracuse, New York

A Few Purchasers of MARYLAND METAL BUILDINGS

Standard Oil Company
Western Md. R. R. Co. Baltimore, Md.
State Highway Commission Harrisburg, Pa.
State Roads Commission of W. Va. Charleston, W. Va.
Board of Public Education Philadelphia, Pa.
Maryland State Roads Commission Baltimore, Md.
Southern Wood Preserving Co. Atlanta, Ga.
The Georgia Marble Co. Tate, Ga.
Shambo Shuttle Co. Greenville, S. C.
Carolina Cotton & Woolen Mills Spray, N. C.
Forrest City Oil Mills Co. Forrest City, N. C.
The Humphrey's Railway, Inc. Weems, Va.
Gulf Refining Co. Philadelphia, Pa.
Susquehanna Collieries Co. Williamstown, Pa.
P. R. Mallory & Co., Inc. Port Chester, N. Y.
Oella Mills Co. Ellicott City, Md.

EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book

Hydraulic Steelcraft Co., 3151 E. 61st, Cleveland, Ohio

Martin Steel Products Co., Mansfield, Ohio

MARYLAND METAL BLDG. CO., ("Maryland"), McComas & Race, Baltimore, Md.

Mitchell & Pfeffer Iron Wks. (Service Stations), 1417 Harrison, San Francisco, Cal.

Pacific Steel Building Co. (Service Stations), 2422 E 52nd, Los Angeles, Cal.

VAILE & YOUNG (Steel), Bush & Ridgeley, Baltimore, Md.

1645b— Buildings (Steel)

BLAW-KNOX CO. (Standard copper bearing, galvanized, steel buildings for any single story purpose—low in cost—permanent—shipped from stock—rust resisting—weather-tight—fire-safe— send for catalogue), 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book

BLAW-KNOX CO.
681 Farmers Bank Building
PITTSBURGH, PA.
Manufacturers of
STEEL BUILDINGS

MARYLAND METAL BLDG. CO., McComas & Race, Baltimore, Md.
See adv index at end of book

1645c—*Buildings (Steel Mill)

Am. Bridge Co., 71 B'way, New York

Fulton Iron Works Co., 1295 Delaware av, St. Louis, Mo.

Lawrence Steel Construction Co., 3324-H Smallman, Pittsburgh, Pa.

1646—Bulbs (Automobile Horn)

See also Bulbs, Rubber

Goodrich B. F. Co., Akron, O.

National India Rubber Co., Bristol, R. I.

Parker, Stearns & Co. ("Alpha" Rubber Brass Mounting), 286 Sheffield av, Brooklyn, N. Y.

Tyer Rubber Co. ("Tyrian," with Brass Mountings), Andover, Mass.

1647—Bulbs (Incandescent Lamp)

Corning Glass Works, Corning, N. Y.

Holophane Glass Wks. of Gen. Elec. Co., Newark, O.

Libbey Glass Co., Toledo, O.

Paragon Electric Co., 446 7th av, New York

Wagner Glass Works, 697 E 132d, New York

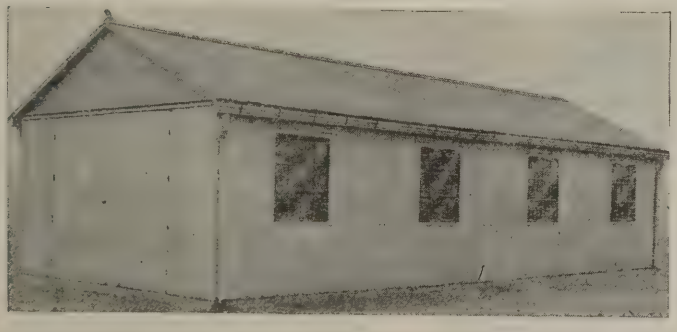
1647a— Bulbs (Nitrogen)

Central Scientific Co., 460 E Ohio, Chicago, Ill.

Daigger A. & Co., 54 W Kinzie, Chicago, Ill.

(Continued on following page)

Portable Buildings—Garages—Oil Filling Stations, Etc.



All Steel or Wood and Steel

Substantial—Artistic—Low Priced

All sections made complete at factory. Shipped ready to bolt into place, no sawing, cutting or fitting necessary.

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Bulbs (Nitrogen)—Continued

Empire Laboratory Supply Co., Inc., 218 E 37th, New York
Pioneer Co. ("Eradium," Luminous), 1249 W. 63rd, Chicago, Ill.
Scientific Utilities Co., Inc., 18 E 16th, New York

1647b— Bulbs (Pull Chain)

Pioneer Corp., 6309 Yale av, Chicago, Ill.

1648— Bulbs (Rubber)

Ajax Rubber Co., 220 W 57th, New York
Bailey C. J. & Co., 88 Broad, Boston, Mass.
Canton Rubber Co., 211 7th S E, Canton, O.
Davidson Rubber Co., Boston, Mass.
Davol Rubber Co., 69 Point, Providence, R. I.
Eastern Specialty Mfg. Co. (For Tanks), 1553 Dickson av, Scranton, Pa.
Faultless Rubber Co., Ashland, O.
Goodrich B. F. Rubber Co., Akron, O.
Hodgman Rubber Co., 25 W 43rd, New York
Myers Mfg. Co., Fremont, O.
National India Rubber Co., Bristol, R. I.
Norwalk Mfg. Co., E. Norwalk, Conn.
Parker, Stearns & Co., 286 Sheffield av, Brooklyn, N. Y.
Rubber Products Co., Barberton, O.
Seamless Rubber Co., Hallack av, New Haven, Conn.
Star Rubber Co., Akron, O.
Tyer Rubber Co., Andover, Mass.
Whitall Tatum Co., 46 Barclay, New York N. Y.

1648a— Bulbs (X-Ray)

Corning Glass Wks., Corning, N. Y.
Roentgen Appliance Co., 639-H Mission, San Francisco, Cal.

1649—*Bulkhead Builders (Concrete)

RAYMOND CONCRETE PILE CO., 140 Cedar, New York

Bulldozers

See Bulldozer or Bending Machines

1650— Bulletin Boards

Art Metal Construction Co., Jamestown, N. Y.
Central Metal Products Co. ("C. M. P."), Canton, Ohio
Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa.
See adv index at end of book
Newman Mfg. Co., 420 Elm, Cincinnati, O.
Structural Slate Co., The, 101 Marietta, Pen Argyl, Pa. (With Natural Slate Blackboard Co., Pen Argyl.)
See adv index at end of book
TYLER W. S. CO. Cleveland, O
See adv index at end of book
Wis. Iron & Wire Works (Steel, Brass & Bronze), 1660H Booth, Milwaukee, Wis.

1651 — Bullion (Copper)

International Minerals & Metals Co., 61H Broadway, New York
Philipp Bros., Inc., 233 B'way, New York
U. S. Metal Refining Co., 61 B'way, New York

1652— Bullion (Lead)

American Zinc, Lead & Smelting Co., 331 Madison av, New York
International Minerals & Metals Co., 61 B'way, New York
Philipp Bros., 29 B'way, New York
U. S. Metals Refining Co., 61 B'way, New York
U. S. Smelting, Refining & Mining Co., **55 Congress, Boston, Mass.**
Vogelstein L. & Co., 42 B'way, New York

1653-4—Bumpers (Automobile)

Badger Mfg. Corp., 156 Clinton, Milwaukee, Wis.
Bell Safety Bumper Co. ("Bell"), 68 34th, Brooklyn, N. Y.
Bellevue Mfg. Co., Bellevue, O.
Bifex Products Co. ("Bifex"), Waukegan, Ill.
Brawley, T. R. (Felt), 270 20th, Brooklyn, N. Y. *See adv index at end of book*
C. Y. Spring Co. ("C. Y." Spring), Kalamazoo, Mich.
Cambria Spring Co. ("Cambria"), 916 S Los Angeles, Los Angeles, Cal.
Central Brass & Fixture Co. ("Buckeye"), Springfield, O.
Cincinnati Ball Crank Co. ("Balcrank"), N. Oakley, Cincinnati, O.
D. H. M. Plating & Enameling Wks., 2207 S. Main, Los Angeles, Cal.
De-Fender Mfg. Co., 1002 S Michigan av, Chicago, Ill.
Dependable Mfg. Co. ("Dependable" spring), 806-H E. Main, Streator, Ill.
Dow Co. ("Dow"), 201H N. Buchanan, Louisville, Ky.
Eaton Axle & Spring Co., Central & 65th, Cleveland, Ohio
Frazier, W. S. & Co., Dept. H, Aurora, Ill.
Gemco Mfg. Co. ("Gemco"), Milwaukee, Wis.
Goodyear Tire & Rubber Co., Inc. ("Good Year"), 1144 E. Market, Akron, Ohio
Gray Auto Equipment Co. ("Gray" Twin & Tri-Bar), 569 3rd, Oakland, Cal.
Halladay L. P. Co. ("Universal" "Imperial," Decatur, Ill.
Hastings Mfg. Co. ("Hastings"), 36 E. Mill, Hastings, Mich.
Kingman Mfg. Co. ("Master"), 2201 S. Main, Los Angeles, Cal.
Los Angeles Spring & Forge Co., 1948 S. Los Angeles, Los Angeles, Cal.
McAllister W. B. Co. ("McAllister" wood), 2163 E. 31st, Cleveland, O.
Metal Stamping Co. (Spring "Lyon Convex," "Dreadnaught"), 13th, Long Island City, N. Y.
Milac Products Co., 646 Laura, Huntington Park, Cal.
Morgan Spring Co., 670 Golden Gate av, San Francisco, Cal.
New York Wire & Spring Co., Uptown Box 6043, Hoboken, N. J.
See adv index at end of book
Pittsburgh Spring & Steel Co., 307 6th av, Pittsburgh, Pa.
Polson Mfg. Co., 1754 Main, Buffalo, N. Y.
Ramspring Bumper Co. ("Ramspring"), 5035 S Wabash av, Chicago, Ill.
Ritchie William ("Tri Bar") Van Ness av at Ellis, San Francisco, Cal.
Sager J. H. Co., Rochester, N. Y.
Stewart - Warner Speedometer Corp. ("Stewart"), 1826 Diversey Parkway, Chicago, Ill.
Sterling Spring Co. ("Sterling" spring), 2160 Scranton rd, Cleveland, O.
Toledo Cable Co., 506 S St. Clair, Toledo, O.
Turner Brass Works ("Harroun"), Sycamore, Ill.
U. S. E. Corp ("U. S. E."), 7 W. 61st, New York
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
United States Spring Co. ("Old Hickory," "Round Black" & "Channel"), 1120 S **Los Angeles, Los Angeles, Cal.**

Bumpers (Car Seat)

See Rubber Bumpers and Cushions

Bumpers (Rubber)

See Rubber Bumpers & Cushions

1655— Bunchers (Asparagus)

Johnson Mfg. Co., ("Acme," "Phila."), 102 N Front, Phila., Pa.
Wyckoff Bros., Hightstown, N. J.

1656— Bunchers (Clover)

Acme Harvesting Machine Co., Peoria, Ill.
American Buncher Mfg. Co. ("American," "Prairie"), Oliver & Harding, Indianapolis, Ind.
Blocki F. Co. ("Blocki"), Sheboygan, Wis
Franzmeier Louis, Timothy, Wis.
Gaterman Mfg. Co. (Side Delivery), Manitowoc, Wis.
International Harvester Co. ("Milwaukee," "Deering," "McCormick"), H, Harvester bldg, Chicago, Ill.
Johnson Mfg. Co. ("Acme," "Phila."), 314 Cherry, Phila., Pa.
National Harrow Co. ("National"), LeRoy, Ill.
Thornburgh Mfg. Co. (Side Delivery), Bowling Green, O.

1656a—Bung Fasteners for Barrels

Acme Steel Goods Co., 2834 Archer av, Chicago, Ill.
STANLEY WORKS, New Britain, Conn.
See adv index at end of book

Bung Mfrs.

See Plugs, Wood; also Bungs Barrel

1657— Bung Starters

Redlich Mfg. Co., 637-647 W Oak, Chicago,
Sommer Jno. Faucet Co., 30 Morris av, Newark, N. J.
Stossel Carl Sons & Co., Front Royal, Va.
Union Hardware Co., Torrington, Conn.

1657a— Bungs (Barrel)

Bonney Forge & Tool Wks., Tilghman, Allentown, Pa.
Erie Metal Products Co., Erie, Pa.
Nashua Spool & Bobbin Co. (Keg, etc.), Haverhill National Bank bldg, Haverhill, Mass.
Portland Cooperage Co., Portland, Me.
Redlich Mfg. Co. (Wood), 637-647 W Oak, Chicago, Ill.
South Bend Dowel Wks., So. Bend, Ind.
Standard Turning Wks., Cambridge, Mass.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
United States Bung Mfg. Co., 50 S 2nd, Brooklyn, N. Y.
Warren Tool & Forge Co. (Steel Drum), 145 Griswold, Warren, Ohio
See adv index at end of book

1657b— Bungs (Oil Can)

Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

1658— Bunkers (Coal)

American Bridge Co., 30 Church, New York
Beaumont R. H. Co. (Coke & Ash), 319 Arch, Phila., Pa.
BROWN HOISTING MACHINERY CO. (THE), 4403 St. Clair, N.E., Cleveland, O. *See adv index at end of book*
Connery & Co., Inc., 4000 N 2nd, Phila., Pa. *See adv index at end of book*
Guarantee Construction Co. (Concrete Line Suspension), 92 West, New York
HELTZEL STEEL FORM & IRON CO., THE, Warren, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Littleford Bros., 444 E. Pearl, Cincinnati, O. *See adv index at end of book*
Nelson N. P. Iron Works, 216 40th, Brooklyn, N. Y.
New Haven Boiler Works, Inc., 37 Mill, New Haven, Conn.
New York Central Iron Works Co., Inc., Dept. H, Hagerstown, Md.
Smith Gas Engineering Co., Dayton, O.
See adv index at end of book
Specialty Engineering Co., Trenton & Allegheny avs, Phila., Pa.

1659— Bunting Mfrs.

See also Flag Mfrs.

New England Bunting Co., Lowell, Mass.
Passaic Print Works (Cotton), Passaic, N. J.
Textile Products Mfg. Co. ("Durabelle" Signal Flag), Park av & Dolman, St. Louis, Mo.
United States Bunting Co., Lowell, Mass.

1660— Buoys (Gas)

American Welding Co., Carbondale, Pa.
New York Central Iron Works Co., Inc., Dept. H, Hagerstown, Md.
Safety Car Htg. & Lighting Co. ("Pintsch"), Dixwell & Putnam avs, New Haven, Conn.
Union Boiler & Mfg. Co., Dept. H, Lebanon, Pa.

Buoys (Life)

See Life Preservers

1661—Buoys (Mooring, Etc.)

Armstrong Cork Co., 24th & A. V. R. R., Pittsburgh, Pa.
Biertuempfel Bros. Cork Specialty Co., 57 av L, Newark, N. J.
Drien Thos. & Sons Co., Wilmington, Del.
Jordan Bros. Lumber Co. ("Never Sink"), 300 Main, Norfolk, Va.
Kellogg M. W. Co. (Welded Steel), 90 West, New York
See adv index at end of book
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
Manitowoc Engng. Works, Manitowoc, Wis.
Marine Mfg. & Sup. Co., 158 South, New York
New York Central Iron Works Co., Inc., Dept. H, Hagerstown, Md.
Pneumatic Mfg. Co., 123 Pacific, Brooklyn, N. Y.
Riter-Conley Co., Oliver bldg, Pittsburgh, Pa.
Sharlow Bros. Co., 442 W 42nd, New York
Union Boiler & Mfg. Co., Dept. H, Lebanon, Pa.

1661a— *Buoys (Net)

Estes E. B. & Sons, 364 Fifth av, New York
See adv index at end of book

1661b— Burettes

Central Scientific Co., 460 E. Ohio, Chicago, Ill.
Daigger A. & Co., 54 W Kinzie, Chicago, Ill.
Denver Fire Clay Co., Denver, Colo.
Elmer & Amend, 205 E. 18th, New York
Empire Laboratory Supply Co., Inc., 218 E 37th, New York
International Glass Co., Millville, N. J.
Mine & Smelter Supply Co., Denver, Colo. 42 B'way, New York
Scientific Utilities Co., Inc., 18 E 16th, New York
Wagner Glass Wks., 697 E. 132nd, New York
Whitall Tatum Co., 46 Barclay, New York

1662—Burial Cases & Vaults (Concrete)

Automatic Sealing Vault Co., Peru, Ind.
Cement Casket Mfg. Co., Albion, Mich.
Enderle Frank X., 1715 San Fernando rd, Los Angeles, Cal.
Eugene Concrete Pipe Co., Eugene, Ore.
Norwalk Vault Co., Norwalk, Ohio

1662a—Burial Cases & Vaults (Metallic)

American Steel Grave Vault Co., Galion, O.
Clark Grave Vault Co., Columbus, O.
Detroit Metallic Casket Co., 2950 Gratiot, Detroit, Mich.
Galion Metallic Vault Co., Galion, O.
Hermann Safe Co., 216-24 Fremont, San Francisco, Cal.
Kelly Mfg. Co., Bucyrus, O.
La Haye Mfg. Co., 1516 Folsom, San Francisco, Cal.
Leader Sheet Metal Works, 1310 S. San Pedro, Los Angeles, Cal.
Manhattan Metallic Casket Co., 412 E 125th, New York
Maxwell Steel Vault Co., Oneida, N. Y.
Meadville Metallic Vault Co., Meadville, Pa.
National Casket Co., Oliver bldg, Pittsburgh, Pa.
Percolator Geyser Washing Machine Co., 1732 Folsom, San Francisco, Cal.
Skahen Steel Co., Syracuse, N. Y.
Springfield Metallic Casket Co., Springfield, O.
Stella Bros. Mfg. Co., 1426 Howard, San Francisco, Cal.
Wilcox E. A. Mfg. Co., 6330 Stony Island av, Chicago, Ill.

1663—Burial Cases & Vaults (Slate)

American Slate Co., Easton, Pa.
Bangor Structural Slate Co., Bangor, Pa.
Bray J. Slate Co. (Jobbers), E. Bangor, Pa.
Excelsior Slate Co., Pen Argyl, Pa.
Hahn Granville, Walnutport, Pa.
Keenan Structural Slate Co., Bangor, Pa.
Kimes, J. B. & Co., 1834 Vineyd, Phila, Pa.
Lehigh Structural State Mfg. Co., Bangor, Pa.
Monson Maine Slate Co., 112 Water, Boston, Mass.
Peerless Slate Co., Delta, Pa.
Penrhyn Slate Co., Hydeville, Vt.
Ribble R. W. & Co., First & B'way, Bangor, Pa.

1664-5—Burial Cases & Vaults (Stone)

McDermott Stone Co., McDermott, Ohio
Mineral Products Co. ("Xyno"), Rhinelander, Wis.

1666— Burlap

See also Bags & Bagging

American Bag Co. (Also Bags & Twines), 3rd & Oakland, Harrison, Cal.
Bell Bag Co., 63 Front, New York
Bemis Bro. Bag Co., 601 S 4th, St. Louis, Mo.
Bonar Thomas & Co., Ltd., 350 Broadway, New York
Bridgeport Coach Lace Co. ("Bridgeport"), 813H Wood av, Bridgeport, Conn.
Brimberg H., 53 Mercer, New York
Burkart F. Mfg. Co., 4900 N. 2nd, St. Louis, Mo.
Central Bag Mfg. Co., 3622 Iron, Chicago, Ill.
Chandler Oil Cloth & Buckram Co. (Dyed for Draperies), East Taunton, Mass.
Chase H. & L. (Importers), 267 Atlantic av, Boston, Mass.
Chelsea Fibre Mills, 295 5th av, New York. Factory: Brooklyn, N. Y.
Clapp H. D. B. & Co. (Waste), 824 N American, Phila., Pa.
Cleveland-Akron Bag Co. ("Protex," Waterproof), Cleveland, O.
Cott-a-Lap Co. ("Cotta-a-Lap," "Eureka," "Muro," "Tex-ta-dor-na," Wall Burlaps), Somerville, N. J.
Duncan Geo. & Co., 366 B'way, New York
DU PONT E. I. DE NEMOURS & CO. INC. (Salvage & Reclamation Div.), Wilmington, Del.
See adv index at end of book
Fulton Bag & Cotton Mills, Atlanta, Ga.
Graffin John C. Co., 10 South Baltimore, Md.
Gulf Bag Co., 330 Notre Dame, New Orleans, La.
Halsted E. S. & Co., 64 Pearl, New York
Hoffman-Corr Mfg. Co., 312 Market, Phila., Pa.
Kent Percy Co., 33 Pearl, New York
Landers Bros. Co., Toledo, O.
Lawson Jacob Bag Co., 264 Water, New York
Lehon Co. ("Tuf-Tex"), 4451 S. Oakley av, Chicago, Ill.
Logie James, Produce Exchange, New York
Mente & Co., Robin & S. Peters, New Orleans, La.
Milwaukee Bag Co., 206 S Water, Milwaukee, Wis.
Mitsui & Co. (Imptrs.), 65 Broadway, New York
Oriental Textile Mills, Houston, Tex.
Plummer W. A. Mfg. Co., 37 Front, San Francisco, Cal.
Ralli Bros., 11 William, New York
Richter Mfg. Co. (Plain, Decorated, etc), Tenafly, N. J.
Riegel Sack Co. (Importers), 8 W 40th, New York
Robinson Chas. A., 46 Beekman, New York
Ross Wm. & Co., 407 N Peoria, Chicago
Scott Jas. & Sons, 291 B'way, New York
Taylor & Ellis, 485 B'way, New York
Vedovi, G. A. (Importer), 132 Nassau, N. Y.
Walsh's Sons & Co., Inc. (Dealers), 295-305 Passaic, Newark, N. J.
Werthan Bag Co., 12th & Clinton, Nashville, Tenn.
White Jas. F. & Co., 54 Worth, New York
Winne F. W. & Son, 42 N Front, Phila., Pa.
Young & Metzner, 335 Vernon av, Long Island City, N. Y.

1667—Burners (Acetylene Gas)

American Lava Corp. ("Alco"), Chattanooga, Tenn.
Carroll J. Bruce, 319 N. Albany av, Chicago, Ill.
Crane Wm. M. Co. ("Bray"), 18 E 41st, New York
Crescent Burner Mfg. Co. ("Crescent"), 247 Park av, New York
Messer Welding Supply Corp., 126 10th, Brooklyn, N. Y.
PREST-O-LITE CO., INC. (All Types), 30 E 42nd, New York
See adv index at end of book
Steward D. M. Mfg. Co. ("E. H."), Chattanooga, Tenn.

Burners (Automobile)

See Burners, Kerosene, Automobile; also Burners, Gasoline, Automobile

1667a— Burners (Boiler)

Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

THE SURFACE COMBUSTION CO.

In capacities from 2 cu. ft. to 500,000 cu. ft. per hour. And we are awaiting the company that needs a proportioning burner of a million cu. ft. demand.

THE SURFACE COMBUSTION CO.
334 Gerard Avenue Bronx, N. Y.

1668— Burners (Bunsen)

Boekel Wm. & Co., 518 Vine, Phila., Pa.
Buffalo Dental Mfg. Co., 589 Main, Buffalo, N. Y.
Central Scientific Co., 460 E Ohio, Chicago, Ill.
Combustion Utilities Corp., 8-10 Bridge, New York
Denver Fire Clay Co., Denver, Colo.
Diagger A. & Co., 54 W Kinzie, Chicago
Mine & Smelter Supply Co., Denver, Colo.
Scientific Utilities Co., Inc., 18 E 16th, New York
Stoelting C. H. Co., 3047 Carroll av, Chicago, Ill.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Tirrill Gas Mach Lighting Co., 50-H Church, New York
Welded Steel Barrel Corp, Hart & Charlevoix av, Detroit, Mich.
Whitall Tatum Co., 46 Barclay, New York

1669— Burners (Coal Dust)

Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Stroud, E. H. & Co., 928-934 Fullerton av, Chicago, Ill.

1670 — Burners (Combination Gas & Oil)

Advance Furnace & Engr. Co., Allen Springfield, Mass.
ANTHONY CO. ("Anthony" "Nebulyte"), 138-H West av, Long Island City, N. Y.
DAVISON N. C. GAS BURNER & WELDING CO., 2939 Smallman, Pittsburgh, Pa.
Dempsey Furnace Co., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
Gaso Pump & Burner Mfg. Co. ("Gaso"), 902-914 Hodge, Tulsa, Okla.
Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.
Leahy Mfg. Co., 1804 E 8th, Los Angeles, Cal.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
OIL BURNER SUPPLY CO. ("Superior"), 710 N. Main, Los Angeles, Cal.
Oliver Oil-Gas Burner & Mach. Co. ("Oliver"), Dept. H, 21st & Pine, St. Louis, Mo.
Rockwell W. S. Co., 50 Church, New York
See adv index at end of book
Schurs Oil Burner Co., 5332 Santa Fe av, Los Angeles, Cal.
SURFACE COMBUSTION CO., THE, 334 Gerard av, Bronx, New York
See adv index at end of book
Weldcraft Equipment Co., 2501 Penn av, Pittsburgh, Pa.

1671—Burners (Electric Gas Lighting)

Bogart A. L. Co. ("Bartholdi" Automatic), 56 Park pl, New York
Cleverly Electrical Works, 17 N 7th, Phila., Pa.
Electric Goods Mfg. Co. (Automatic Pendant), Canton, Mass.
Holtzer-Cabot Electric Co. (Automatic), Brookline, Mass.
Parke Jno. Y. & Co., 1 Jypco, Dirs., 29 N. 7th, Phila., Pa.
Rotary Mfg. Co., 9th & Santa Fe av, Los Angeles, Cal.

1672— Burners (Fuel Gas)

Albrecht Francis J., 1146 Penn av, Pittsburgh, Pa.
American Gas & Furnace Co., Spring & Lafayette, Elizabeth, N. J.
ANTHONY CO. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
Baush Machine Tool Co. (Metals Div.), 156 Wason av, Springfield, Mass.
Campbell-Hausfeld Co., Harrison, O.
Chatfied & Sharp ("Economy"), Jamestown, N. Y.
Creaghead Engineering Co., 340 Main, Cincinnati, O.
Crone F. G. ("Crone" for Steam or Hot Water Heaters, Furnaces, Stoves, etc), 281 W Fury, Buffalo, N. Y.
Davison N. C. Gas Burner & Welding Co. ("Imperial"), 2939 Smallman, Pittsburgh, Pa.
DEMPSEY FURNACE CO., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
Foundry Equip. Co., 1833 Columbus rd, Cleveland, O.
Freyn Brassert & Co., 310 S. Michigan av, Chicago
Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.
Hugo Mfg. Co., Duluth, Minn.
INGLE MFG. CO. ("Valjean Process"), 643-49 G, San Diego, Cal.
KEMP C. M. MFG. CO. ("Kemp" Gas System), 405 E. Oliver, Baltimore, Md.
Leahy Mfg. Co., 1804 E 8th, Los Angeles, Cal.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
North American Mfg. Co., 8903 Frederick av, Cleveland, O.
OVEN EQUIPMENT & MFG. CO. ("Crawford"), P.O. Box 1923, New Haven, Conn. *See adv index at end of book*
Parson Mfg. Co., 535 Livingston, New York
Rockwell W. S. Co. (Oil), 50 Church, New York *See adv index at end of book*
ROTARY MFG. CO. ("R. M. C."), 1526 Santa Fe av, Los Angeles, Cal.
Schurs Oil Burner Co., 5332 Santa Fe av, Los Angeles, Cal.
Strong, Carlisle & Hammond Co., 336 Frankfort av N W, Cleveland, O.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Weldcraft Equipment Co., 2501 Penn av, Pittsburgh, Pa.

1673— Burners (Fuel Oil)

American Equipment Co. ("Fox"), Norristown, Pa.
ANTHONY CO. ("Anthony" "Nebulyte"), 138-H West av, Long Island City, N. Y.
Babcock E. B., 1009 Western av, Seattle, Wash.
Baush Machine Tool Co. (Metals Div.), 156 Wason av, Springfield, Mass.
Bellevue Furnace Co., 2971 Bellevue av,, Detroit, Mich.
Berryman Oil Burner Co., 109 E Chicago av, Chicago, Ill.
Best, W. N., Inc. ("Calorex"), 11 Broadway, New York.
Blue Flame Burner Co., 66½ 6th, Portland, Ore.
Burns Hydro Carbon Burner Co., Fort Plain, N. Y.
Campbell-Hausfeld Co., Harrison, O.
Coen Co. ("Coen" Mechanical), 112 Market, San Francisco, Cal.
Collar Oil Burner Co., 224 Webster, Oakland, Cal.
Combustion Utilities Corp., 8-10 Bridge, New York
Cox & Sons Co., Water & Hampton, Bridgeton, N. J.

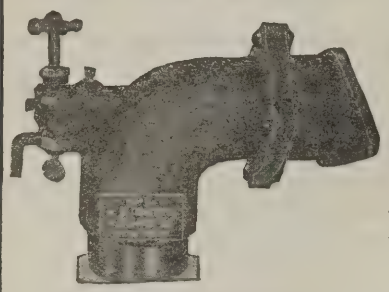
(Continued on following page)

Burners (Fuel Oil)—Continued

Davison N. C. Gas Burner & Welding Co., ("Vesuvius," "Anderson"), 2939 Smallman, Pittsburgh, Pa.

DEMPSEY FURNACE CO., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book

BURNERS



OIL and GAS

TYPES FOR ALL HEATING REQUIREMENTS

ASK FOR CATALOG

DEMPSEY FURNACE CO.

61 Cornelison Ave., Jersey City, N.J.

Engineer Co., 17 Battery pl, New York

Fess System Co. (Low Pressure System), 222 Natoma, San Francisco, Cal.

Foerst John & Sons, Bayonne, N. J.

Fdry. Equip. Co., 1833 Columbus rd, Cleveland, O.

French L. E., Sebastopol, Cal.

Gearhart Oil Burner Co. (Distillate), Fresno, Cal.

Gilbert & Barker Mfg. Co. ("Gilbert & Barker" For Fuel Oil, Under Low Pressure), Springfield, Mass.

Gustin-Bacon Mfg. Co., 1416-18 W 12th, Kansas City, Mo.

Hammel Oil Burner Co., Los Angeles, Cal.

Hauck Mfg. Co., 136 10th, Brooklyn, N. Y.
See adv index at end of book

HAUCK TRADE MARK

BURNERS—FUEL OIL

Venturi high and low pressure oil burners atomize perfectly to secure greatest heating efficiency. Wide range of control.

Send for bulletin 505 and 506 respectively.

HAUCK MANUFACTURING COMPANY

136 10th STREET BROOKLYN, N. Y.

INGLE MFG. CO. ("Valjean Process"), 643-49 G, San Diego, Cal.

Jarvis T. P. Mfg. Co., 275 Connecticut, San Francisco, Cal.

JOHNSON S. T. CO. ("Johnson's" Low Pressure Air & Rotary Crude Oil), 1337 Mission, San Francisco, Cal.

Leahy Mfg. Co., 1804 E 8th, Los Angeles, Cal.

Lewis Auto Positive Oil Burner Control, 1107 Dock, Tacoma, Wash.

Lockett A. M. & Co., Ltd., 533 Baronne. New Orleans, La.

Loggers Oil Equipment Co. ("Glafke"), 52 1st, Portland, Ore.

MacLeod Co. (Locomotive), 2227 Bogen, Cincinnati, O. *See adv index at end of book*

MINNEAPOLIS HEAT REGULATOR CO. ("Minneapolis"), 2802 4th av S., Minneapolis, Minn.
See adv index at end of book

Monarch Engineering & Mfg. Co. ("Monarch" & "Rockwell"), American bldg. Baltimore, Md.

National Supply Co., 412 Orleans, Chicago, Ill.

North American Mfg. Co., 3908 Frederick av, Cleveland, O.

Oil Well Supply Co., 215 Water, Pittsburgh, Pa.

Oliver Co., The, Lincoln av., San Jose, Cal.

Parson Mfg. Co., 535 Livingston, New York

Petroleum Heat & Power Co., 511 5th av, New York

Rainier Machine & Supply Co. ("Crombie"), 2462 1st av S., Seattle, Wash.

Ray W. S. Mfg. Co. ("Ray's Rotary"), 120 New Montgomery, San Francisco, Cal.

Real Oil Burner Co., 227 Westlake av N., Seattle,, Wash.

Reid Jos. Gas Engine Co., Oil City, Pa.

ROCKWELL W. S. CO., 50 Church, New York *See adv index at end of book*

Rogers Jno. M. Works: Gloucester City, N. J.

ROTARY MFG. CO. ("Rotary"), 1526 Santa Fe av, Los Angeles, Cal.

Schurs Oil Burner Co., 5330 Sante Fe av, Los Angeles, Cal.

SCHUTTE & KOERTING CO. ("Koerting" Mechanical System, also Steam & Air Jet), 1251 N. 12th, Phila., Pa.
See adv index at end of book

Sievert Oil Burner Co., 710 N. Main, Los Angeles, Cal.

STAPLES & PFEIFFER, 528 Bryant, San Francisco, Cal.

Strong, Carlisle & Hammond Co., 336 Frankfort av, N. W., Cleveland, O.

Sullivan Edward S. Co. ("Von Boden-Ingles," for Locomotives, Marine & Stationary Boilers), Monadnock bldg, San Francisco, Cal.

Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

Todd Oil Burner & Eng. Co., 742 E 12th, New York

Ware Bert, 13th & Raleigh, Portland, Ore.

Weldcraft Equipment Co., 2501 Penn av, Pittsburgh, Pa.

Weller Mfg. Co., 853 W North av, Chicago, Ill.

Williams C. U. & Sons ("Oil-O-Matic" for Domestic Heating), Bloomington, Ill.

Witt G. E. Co. ("Little Giant"), 562 Howard, San Francisco, Cal.

1673a—Burners (Fuel Oil for Steam Heating Boilers)

Schutte & Koerting Co., 1251 N. 12th, Philadelphia, Pa.
See adv index at end of book

SURFACE COMBUSTION CO., THE, 334 Gerard av, Bronx, New York
See adv index at end of book

1674—Burners (Furnace Gas)

ANTHONY CO. ("Anthony" "Nebulyte"), 138-H West av, Long Island City, N. Y.

Brand Chas. F., 16th & Jacob, Wheeling, W. Va.

Buckeye Products Co., Inc. ("Buckeye"), 915-917 W. 5th, Cincinnati, Ohio
See adv index at end of book

Combustion Utilities Corp., 8-10 Bridge, New York

Creaghead Enginering Co., 340 Main, Cincinnati, O.

Davison N. C. Gas Burner & Welding Co., 2939 Smallman, Pittsburgh, Pa.

DEMPSEY FURNACE CO., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book

Freyn Brassert & Co., 310 S Michigan av, Chicago

Kemp C. M. Mfg. Co. ("20th Century"), 405 E Oliver, Baltimore, Md.

MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

Maxon Furnace & Engineering Co., Muncie, Ind.

Monarch Engng. & Mfg. Co., American bldg, Baltimore, Md.

Oliver Oil-Gas Burner & Mach. Co. ("Oliver"), Dept. H, 21st & Pine, St. Louis, Mo.

Rockwell W. S. Co., 50 Church, New York. *See adv index at end of book*

Strong, Carlisle & Hammond Co., 336 Frankfort av, N. W., Cleveland, O.

Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

Burners (Garbage)

See Garbage Burners, Water Heating

1675— Burners (Gas, Inverted)

Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.

Hyman Henry & Co. Inc.(Brass), 476 B'way, New York

Johnson Perfection Burner Co. ("Perfection" Printers), 1965 E 66th, Cleveland, Ohio

Matchless Brass Mfg. Co., 57 Jay, Brooklyn, N. Y.

Smith F. A. Mfg. Co., Rochester, N. Y.

1676—Burners (Gas, Self-Lighting)

Hones Chas. A. Inc. ("Buzzer"), Baldwin, L. I., N. Y.

Matchless Brass Mfg. Co., 57 Jay, Brooklyn, N. Y.

Petroleum Heat and Power Co. (Oil Burning Equipments), 100 Boylston, Boston, Mass.

1677— Burners (Gasoline)

Ashton Mfg. Co., 184 Emmet, Newark, N. J.

Blue Flame Burner Co., 66½ 6th, Portland, Ore.

Clayton & Lambert Mfg. Co., 1370-80 Beaubien, Detroit, Mich.

Clough, Theo., ("Clough," "Maxim"), Dobbs Ferry, N. Y.

Coleman Lamp Co., Dept. H, Wichita, Kan.

HAUCK MFG. CO., 136 10th, Brooklyn, N. Y. *See adv index at end of book*

Incandescent Light & Stove Co. ("Stubbs"), Madison & Ebersole, Cincinnati, O.

Leahy Mfg. Co., 1804 E 8th, Los Angeles, Cal.

Rainier Machine & Supply Co., 2462 1st av S., Seattle, Wash.

Ray Mfg. Co., Geo. A., 1495 Niagara, Buffalo, N. Y.

Reliable Stove Co. ("Reliable Brazier"), 1737 E 40th, Cleveland, O.

Sun Vapor & Gas Street Light Co., Canton, O.

Tirrill Gas Mach. Lighting Co., 50H Church, New York

1678—Burners (Gasoline, Automobile)

Carroll J. Bruce, 314 N. Albany av, Chicago, Ill.

Clayton & Lambert Mfg. Co., 10565 Knodell av, Detroit, Mich.

Dangler Stove Co., 5017 Perkins av, Cleveland, O.

Fowler Lamp & Mfg. Co. ("Fowler," for Motor Cars & Boats), 59 E 24th, Chicago, Ill.

Leahy Mfg. Co., 1804 E 8th, Los Angeles, Cal.

Rotary Mfg. Co., 9th & Santa Fe av, Los Angeles, Cal.

1679— Burners (Hand Lamp)

Handlan-Buck Mfg. Co. (Signal), 210 N. 3rd, St. Louis, Mo.

Wall P. Mfg. Supply Co., 705 Preble av, Pittsburgh, Pa.

1680—Burners (Hot Blast, Gas Stove)

Am. Lava Corp. ("Cleveland"), Chattanooga, Tenn.

Oliver Oil-Gas Burner & Mach. Co. ("Oliver"), 21st & Pine, St. Louis, Mo.

Surface Combustion Co. The, 334 Gerard av, Bronx, New York
See adv index at end of book

Weimer Machine Works Co. ("Weimer"), Lebanon, Pa.

Burners (House Heating)

See Burners (Fuel Oil for Steam Heating Boilers)

1681—Burners (Hydro-Carbon)

Acheson Oildag Co. ("Aquadag" Graphite Lubricants), Niagara Falls, N. Y.

Anthony Co. ("Anthony" "Nebulyte"), 138 H West av, Long Island City, N. Y.

Braun-Knecht-Heimann Co. ("Cary," "Braun"), 576-584 Mission, San Francisco, Cal.

Burns Hydro Carbon Burner Co., Fort Plain, N. Y.

Calkins Co. ("Advance," "Challenge"), Los Angeles, Cal.

Clayton & Lambert Mfg. Co., 1370-80 Beaubien, Detroit, Mich.

DEMPSEY FURNACE CO., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book

Freyn Brassert & Co., 310 S Michigan av, Chicago

Hauck Mfg. Co., 101 11th, Brooklyn, N. Y.

Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

Tate-Jones & Co., Inc., Pittsburgh, Pa.

1682—Burners (Incandescent Gas)

See also Mantles, Incan. Lamp

Abrams-Orton Mfg. Co., Wadsworth, O.

Block Gas Mantle Co., Youngstown, O.

Crane Wm. M. Co. ("Bray" Open Jet), 18 E 41st, New York

Hyman Henry & Co. Inc. (Inverted & Upright), 476 B'way, New York

Matchless Brass Mfg. Co., 57 Jay, Brooklyn, N. Y.

Miller Edw. & Co., Meriden, Conn.

Pittsburgh Lamp, Brass & Glass Co., 130 7th, Pittsburgh, Pa.

Tirrill Gas Mach. Lighting Co., 50H Church, New York

Unique Art Glass & Metal Co. ("Star"), 105 Vandeveer, Brooklyn, N. Y.

Welsbach Gas Lamp Co. ("Universal," "Standard" & "Consol"), 1008 Filbert, Phila., Pa. Works: Gloucester, N. J.

1683—Burners (Japanning or Baking)

Anthony Co. ("Anthony" "Nebulyte"), 138 H West av, Long Island City, N. Y.

Campbell-Hausfeld Co., Harrison, Ohio

DAVISON N. C. GAS BURNER & WELDING CO., 2939 Smallman, Pittsburgh, Pa.

DEMPSEY FURNACE CO., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book

Hauck Mfg. Co., 136 10th, Brooklyn, N. Y.
See adv index at end of book

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Venturi high and low pressure oil burners atomize perfectly to secure greatest heating efficiency. Wide range of control.
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HAUCK MANUFACTURING COMPANY
136 10th STREET BROOKLYN, N. Y.

MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Rockwell W. S. Co, 50 Church, New York
See adv index at end of book
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

1684—Burners (Kerosene, Automobile)

Anthony Co. ("Anthony" "Nebulyte"), 138 H West av, Long Island City, N. Y.
Clayton & Lambert Mfg. Co., 10565 Knodell av, Detroit, Mich.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Tate-Jones & Co., Inc., Pittsburgh, Pa.

1685—Burners (Kerosene Oil)

See also Burners, Fuel Oil

Anthony Co. ("Anthony" "Nebulyte"), 138 H West av, Long Island City, N. Y.
Ashton Mfg. Co, 184 Emmet, Newark, N. J.
Babcock, E. B., 1009 Western av, Seattle, Wash.
Blue Flame Burner Co., 66½ 6th, Portland, Ore.
Blue Flame Distillate Burner Co., 330 Mountain View av, Pasadena, Cal.
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Clayton & Lambert Mfg. Co., 1370-80 Beaubien, Detroit, Mich.
Clark Cadie Harmon Corp. (For Heating Soldering Irons), Rochester, N. Y.
Colmar Mfg. Co., Emeryville, Oakland, Cal.
Davison N. C. Gas Burner & Welding Co., 2939 Smallman, Pittsburgh, Pa.
Dempsey Furnace Co., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
HAUCK MFG. CO., 136 10th, Brooklyn, N. Y.
See adv index at end of book
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Manning Mfg. Co., Inc., 69 6th, Portland, Ore.
Nuway Burner Mfg. Co., 1009 Western av, Seattle, Wash.
Rainier Machine & Supply Co., 2462 1st av, S., Seattle, Wash.
Richter H. F. Mache. & Tool Works ("National" Gas Maker), 216 Aliso, Los Angeles, Cal.
Rockwell W. S. Co., 50 Church, New York
See adv index at end of book
Sawyer Chas. A., San Jose, Cal.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Therm Gas Generator Co., 610 3rd av, Seattle, Wash.
Universal Burner Co. ("Universal"), 246 S Spring, Los Angeles, Cal.
Waterbury Mfg. Co., Division Chase Companies, Inc., Waterbury, Conn.
Weldcraft Equipment Co., 2501 Penn av. Pittsburgh, Pa.

1686—Burners (Lamp, Kerosene Oil)

Miller Edw. & Co. ("Dual," "Solar," "Perfection Car," "Apollo," "Hero," "Jewell," "Venus," "Simplex," "Stellar," "Victor," "Excelsior," "Sun," "Favorite" "Zenith" "Niagara" "Lard Oil" & "Vesta"), Dept. H, Meriden, Conn.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Rochester Headlight Works (Jas. H. Kelly, Prop.), Rochester, N. Y.
Scovill Mfg. Co. ("Queen Anne"), Waterbury, Conn. *See adv index at end of book*
Waterbury Brass Goods Corp., Waterbury, Conn.
Wheeling Stamping Co. ("Premier," Combination, "Regal," "White Light Mantle," "Champion," "Paull" & "Safety"), Wheeling, W. Va.

1687— Burners (Natural Gas)

Albrecht Francis J., 1146 Penn av, Pittsburgh, Pa.
Am. Lava Corp. ("Alco," "Stove Jumbo"), Williams av, Chattanooga, Tenn.
American Fdry. & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Lava Corp. ("Alco," "E. H.", "New Market," "Stove Junbo," "Bray"), Chattanooga, Tenn.
American Stove Co. ("Quick Meal," "Reliable," "Jewell"), 827 Chouteau av, St. Louis, Mo.
ANTHONY CO. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
Apex Engineering Co., Inc. ("Apex"), Pacific Finance bldg, Los Angeles, Cal.
Bausch Machine Tool Co. (Metals Div.), 156 Wason av, Springfield, Mass.
Brand Chas. F. (Also for Heating Boilers), 16th & Jacob, Wheeling, Va.
Campbell-Hausfeld Co., Harrison, O.
Combustion Utilities Corp., 8-10 Bridge, New York
Creaghead Engineering Co., 340 Main, Cincinnati, O.
DAVISON N. C. GAS BURNER & WELDING CO., 2939 Smallman, Pittsburgh, Pa.
DEMPSEY FURNACE CO., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
Freyn Brassert & Co., 310 S Michigan av, Chicago
Henry Bros., Massillon, O.
INGLE MFG. CO. ("Valjean Process"), 643-49G, San Diego, Cal.
Jamison T. H. ("Tremaine"), Claysville, Pa.
Johnson Gas Appliance Co. ("Johnson"), Dept. H, Cedar Rapids, Ia.
Love Mfg. Co., Corry, Pa.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Matchless Brass Mfg. Co., 57 Jay, Brooklyn, N. Y.
Minneapolis Gas Fixture Co., 814 Hennepin av, Minneapolis, Minn.
Odin Stove Mfg. Co. ("Tri-Odin," "Penn"), Erie, Pa.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
O'Reilly M. J. ("O'Reilly"), 364 Maryland, Buffalo, N. Y.
Pennsylvania Furnace & Iron Co., 373 Pine, Warren, Pa. *See adv index at end of book*
Regan Forge & Engrg. Co. ("Okay"), San Pedro, Cal.
Rockwell W. S. Co., 50 Church, New York.
See adv index at end of book
ROTARY MFG. CO. ("R. M. C."), 1526 Santa Fe av, Los Angeles, Cal.
Schurs Oil Burner Co., 5330 Santa Fe av, Los Angeles, Cal.
Stamford Gas Stove Co., Stamford, Conn.
Standard Heating & Radiator Co. ("Standard" for Hot Air, Steam & Hot Water Heating Boilers), Penn & Barbeau, Pittsburgh, Pa.
Steward D. M. Mfg. Co. ("E. H." & "Jumbo"), Chattanooga, Tenn.
SURFACE COMBUSTION CO., THE, 334 Gerard av, Bronx, New York
See adv index at end of book
Tennessee Burner Mfg. Co., Dept. H, 36th & Av G. Chattanooga, Tenn.
Union Gas Burner Co., 369 Ellicott, Buffalo, N. Y.
Van Houten E. J. S., 290 B'way, New York
Wagner Mfg. Co., Sidney, Ohio
Waterbury Mfg. Co., Division Chase Companies, Inc., Waterbury, Conn.
Weldcraft Equipment Co., 2501 Penn av. Pittsburgh, Pa.
Wheeling Stove & Range Co., Wheeling, W. Va.
Williamson R. & Co., 601 Washington bl. Chicago, Ill.

1688— Burners (Oil)

Advance Furnace & Engrg. Co., Allen, Springfield, Mass.
Advance Machine Co., 4645 Ravenswood av, Chicago, Ill.
American Nokol Co. ("Nokol"), 215 N. Michigan av, Chicago, Ill.
American Stove Co. ("Lorain"), 827 Chonteau av, St. Louis, Mo.
ANTHONY CO. ("Anthony" "Nebulyte") 138H West av, Long Island City, N. Y.
Babcock, E. B., 1009 Western av, Seattle, Wash.
Bethlehem Shipbuilding Corporation, Ltd. ("Dahl" Fuel Oil), Bethlehem, Pa.
Blue Flame Burner Co., 66½ 6th, Portland, Ore.
Buckeye Products Co., Inc. ("Buckeye"), 915-917 W. 5th, Cincinnati, Ohio
See adv index at end of book
Buming Iron Wks. ("Simplex"), First Natl. Bk. bldg, San Francisco, Cal.
Bunting Iron Works ("Simplex"), First National Bank bldg, San Francisco, Cal.
Campbell-Hausfeld Co., Harrison, O.
Clark Cadie Harmon Corp. (For Heating Soldering Irons), Rochester, N. Y.
Clayton & Lambert Mfg. Co. (Crude), 10565 Knodell av, Detroit, Mich.
Coen Co. Inc. ("Coen" Mechanical), 112 Market, San Francisco, Cal.
Collar Oil Burner Co., 224 Webster, Oakland, Cal.
Combustion Utilities Corp., 8-10 Bridge, New York
DAVISON N. C. GAS BURNER & WELDING CO., 2939 Smallman, Pittsburgh, Pa.
DEMPSEY FURNACE CO., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
Denver Fire Clay Co., 1746 Champa, Denver, Col.
Engineer Co., 17 Battery pl, New York
Fess System Co., 222H Natoma, San Francisco, Cal.
French L. E., Sebastopol, Cal.
Gearhart Oil Burner Co., Fresno, Cal.
Gretter, H. A. ("Gem"), Frankfort, Ky.
Hauck Mfg. Co., 136 10th, Brooklyn, N. Y.
See adv index at end of book

HAUCK TRADE MARK
BURNERS—FUEL OIL
Venturi high and low pressure oil burners atomize perfectly to secure greatest heating efficiency. Wide range of control.
Send for bulletin 505 and 506 respectively.
HAUCK MANUFACTURING COMPANY
136 10th STREET BROOKLYN, N. Y.

INGLE MFG. CO. ("Valjean Process"), 643 49 G, San Diego, Cal.
Jarvis T. P. Mfg. Co., 275 Connecticut, San Francisco, Cal.
JOHNSON S. T. CO. ("Johnson's" Low Pressure Air & Rotary Crude Oil), 1337 Mission, San Francisco, Cal.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

Portable or Fixed, in many sizes and designs, suitable for work of every kind where heat is applied.
MACLEOD CO., 2227 Bogen St., Cincinnati, O.

MINNEAPOLIS HEAT REGULATOR CO. ("Minneapolis" Automatic Control & Ignition Devices for Oil Burners), 2802 4th av S, Minneapolis, Minn.
See adv index at end of book
National Airoil Burner Co., 9th & Thompson, Phila., Pa.
Nuway Burner Mfg. Co. ("Foltz Lo-Fire" Dresel), 1009 Western av, Seattle, Wash.
North American Mfg. Co., 5902 Carnegie av, Cleveland, Ohio
Oliver Oil-Gas Burner & Mach. Co. ("Oliver"), Dept. H, 21st & Pine, St. Louis, Mo.
Page Boiler Co., 817 Larrabee, Chicago, Ill.
Ray, W. S., Mfg. Co. ("Ray's Rotary"), 120 New Montgomery, San Francisco, Cal.
Real Oil Burner Co., 227 Westlake av N, Seattle, Wash.
Rockwell W. S. Co., 50 Church, N. Y.
See adv index at end of book
ROTARY MFG. CO. ("Rotary"), 1526 Santa Fe av, Los Angeles, Cal.
Schurs Oil Burner Co., 5330 Santa Fe av, Los Angeles, Cal.
Schutte & Koerting Co. (Air Jet, Steam Jet, Mechanical), 1251 N 12th, Phila., Pa. *See adv index at end of book*
Sievert Oil Burner Co., 710 N Main, Los Angeles, Cal.
STAPLES & PFEIFFER ("S. & P." Steam, Air & Mechanical), 528 Bryant, San Francisco, Cal.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Todd Oil Burner & Eng. Co., 742 E 12th, New York
Universal Burner Co. ("Universal"), 246 S Spring, Los Angeles, Cal.
Weldcraft Equipment Co., 2501 Penn av, Pittsburgh, Pa.
Wilgus Mfg. Co. (For Steam Boilers), 229 Boyd, Los Angeles, Cal.
Witt, G. E., Co., 862 Howard, San Francisco, Cal.

1689—*Burners (Powdered Coal)

Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

1690—Burners (Pyrites & Sulphur)

Bethlehem Foundry & Machine Co. (for Chemical Mfrs., etc), South Bethlehem, Pa.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Carthage Machine Co. ("Wise"), Carthage, N. Y.
Charleston Dry Dock & Machine Co., Charleston, S. C.
Glens Falls Machine Works ("Trombley-Paul" Rotary), Glens Falls, N. Y.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Pratt Engineering & Machine Co., Atlanta, Ga.
Stebbins Engineering & Mfg. Co. ("Stebbins" Oxidizing), Watertown, N. Y.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Valley Iron Works Co. ("Vesuvius"), Appleton, Wis.

1691— Burners (Refuse)

American Boiler & Iron Works ("Molander" Sawdust), Everett, Wash.
Anthony Co. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.
Archer Blower & Pipe Co. ("Air Cooled"), 8th av S. & Edmonds, Seattle, Wash.

(Continued on following page)

Burners (Refuse)—Continued

Capital Wire Co., Madison, Wis.
Clark W. J. Co. ("Safety"), Salem, O.
Cyclone Fence Co., Waukegan, Ill.
DAVISON N. C. GAS BURNER & WELDING CO., 2939 Smallman, Pittsburgh, Pa.
Destruction Co., 111 B'way, New York
Jackson & Church Co., Saginaw, Mich.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Marinette Boiler Works, Marinette, Wis.
Muskegon Boiler Works, Muskegon, Mich.
Quinn & Co. ("Quinn," Flat Top Dutch Oven Furnace), 1347 Harrison av, Cincinnati, Ohio
REES BLOW PIPE MFG. CO. (for Shavings), 340 7th, San Francisco, Cal., & 3636 S Alameda, Los Angeles, Cal.
Rodgers Boiler & Burner Co., Muskegon, Mich.
Seattle Boiler Works, Ballard, Seattle, Wash.
Shannon Mfg. Co., 224 W 26th, New York
Tomahawk Steel & Iron Works, Tomahawk, Wis.
Wickwire Spencer Steel Corp. (Perforated Metals), 41 E 42nd, New York
See adv index at end of book

1692— Burners (Rubbish)

American Wire & Iron Works, 323-325 N. San Pedro, Los Angeles, Cal.
Anthony Co. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.
Boyle Mfg. Co., 5100 Santa Fe, Los Angeles, Cal.
Cyclone Fence Co. (Wire & Steel), Waukegon, Ill.
Darby, Edward J., & Son ("Pennsylvania"), 319 Vine, Phila., Pa.
See adv index at end of book
Davison N. C. Gas Burner & Welding Co., 2939 Smallman, Pittsburgh, Pa.
Donley Bros. Co. (The), 3625 E. 74th, Cleveland, O.
See adv index at end of book
Hart & Cooley Co., Inc., Corbin av & W Main, New Britain, Conn.
Hickey & Carroll ("Peerless" Safety), 1854 W Washington, Los Angeles, Cal.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Majestic Co., Huntington, Ind.
Page Steel & Wire Co., Adrian, Mich.
Safety Concrete Incinerator Co., Inc., 1018 N Western av, Los Angeles, Cal.
Smith John P. & Co., New Haven, Conn.
Wagner Mfg. Co., Sidney, Ohio
Weber Incinerator Co. ("De Luxe" Concrete), 1446 W Slauson av, Los Angeles, Cal.

1693—Burners (Special, Laboratory)

Anthony Co., 138 West av, Long Island City, N. Y.
Combustion Utilities Corp., 8-10 Bridge, New York
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Tirrill Gas Machine Lighting Co., 103 Park av, New York
Welded Steel Barrel Corp., Hart & Charlevoix av, Detroit, Mich.

1694— Burners (Tar)

ANTHONY CO. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.
Best W. N., Inc. ("Calorex"), 11 B'way, New York
Davison N. C. Gas Burner & Welding Co., 2939 Smallman, Pittsburgh, Pa.
Hauck Mfg. Co., 136 10th, Brooklyn, N. Y.
See adv index at end of book

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136 10th STREET BROOKLYN, N. Y.

MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Parson Mfg. Co. ("Parson"), 535 Livingston, New York

1695— Burners (Urn)

Clayton & Lambert Mfg. Co. (Gasoline), 1370-80 Beaubien, Detroit, Mich.

1696— Burners (Weed)

Anthony Co. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.
Commonwealth Steel Co. ("M. K. & T.," for Removing Weeds from Tracks), Pierce bldg, St. Louis, Mo.
Davison N. C. Gas Burner & Welding Co., 2939 Smallman, Pittsburgh, Pa.
Hauck Mfg. Co., 136 10th, Brooklyn, N. Y.
See adv index at end of book
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

1697— Burning Brands

Allen, Doane & Co., 29 Cornhill, Boston, Mass.
American Stamp Mfg. Co., 85 John, New York
Anderson, W. H., Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Barnard Stamp Co., 311 Olive, St. Louis, Mo.
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Black A. S. 126 Main av, Cincinnati, O.
Brunner & Lay, 570 W Polk, Chicago, Ill.
Butler A. G., Inc., 158 Chambers, New York
Dickey-Grabler Works, W Madison & 103d, Cleveland, O.
Everhot Mfg. Co. ("Everhot"), 619 S 10th av, Maywood, Ill.
Fresno Rubber Stamp Co., 1923 Fresno, Fresno, Cal.
Gibson A. C. Co., 340 Washington, Buffalo, N. Y.
Hanson C. H. Co., 178 N Clark, Chicago, Ill.
Haynes & Co., 75 Westminster, Providence, R. I.
Illig & Hartmann, 211 Pine, St. Louis, Mo.
Knight H. W. & Son, Seneca Falls, N. Y.
Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa.
See adv index at end of book
Mayer Geo. J. & Co., 4339 Winthrop, Indianapolis, Ind.
Moise-Klinkner Co., 369 Market, San Francisco, Cal.
Moss, Theo., Co., Inc. ("Thermo"), 349 Adams, Brooklyn, N. Y.
Mulhaupt F. Jos., Lafayette, Ind.
Murdock Jas. W. J. Co., 123 W Pearl, Cincinnati, O.
Ness Geo. M., Jr., 61 Fulton, New York
New York Stencil Works, 100 Nassau, New York
Noble & Westerbrook Mfg. Co., Hartford, Conn.
Northwestern Stamp Works (Also Shingle Brands), 110 E 3rd, St. Paul, Minn.
Ohio Steel Stamp Co., 211 High cor E. 2nd, Cleveland, O.
R. & S. Engraving & Die Works, 617-631 W. Jackson blvd., Chicago, Ill.
See adv index at end of book
Reed & Skeppstrom, 625 W Jackson blvd, Chicago
See adv index at end of book
Schmutz Mfg. Co., Inc., 17th & Walnut, Louisville, Ky.
Sackmann F. A. ("F-A-S"), 810 Prospect S E, Cleveland, O.
SCHODER & LOMBARD STAMP & DIE CO., 202-204 Centre st, New York
See adv index at end of book
Schwerdtle Stamp Co., 43 Cannon, Bridgeport, Conn.
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.
Stewart R. A. & Co. (Brass), 80 Duane, New York
Stortz John & Son, 210 Vine, Phila., Pa.
Tully Rubber Stamp Works, 45 California, San Francisco, Cal.
Utermohle G. A. & Co., 133 Cheapside, Baltimore, Md.
Wright Greg. G. & Son, 119 Opera pl, Cincinnati, O.

1698—Burnishers (Cabinet Makers)

Buck Bros., Millbury, Mass.
Disston Henry & Sons, Tacony, Phila., Pa.

1699— Burnishers (Heel)

For Cobblers' Use

Richard Stephen Co. ("S. R."), Southbridge, Mass.
United Shoe Machinery Co., 205 Lincoln, Boston, Mass.

1700—Burnishing (Steel Ball Process)

ABBOTT BALL CO. ("Abbott"), Elmwood station, Hartford, Conn.
See adv index at end of book
Mechanical Plating Co., 616 W Monroe, Chicago, Ill.

1701—Burrs (Brass & Copper)

Hussey C. G. & Co., 2850 2nd av, Pittsburgh, Pa.
North American Copper Co., 52 Vanderbilt av, New York
Pheoll Mfg. Co., 5700 W 12th, Chicago, Ill.
Reed & Prince Mfg. Co., Worcester, Mass.
Stimpson Edwin B. Co. (and All Metals), 352 Kent av, Brooklyn, N. Y.
See adv index at end of book
Waterbury Brass Goods Corp., Waterbury, Conn.

1702—Burrs (For Sharpening Pulp Stones)

Ticonderoga Machine Works ("Timachine"), Ticonderoga, N. Y.
Union Brass Foundry ("Doxies"), 2440 E 52nd, Los Angeles, Cal.

1703— Burrs (Riveting)

See also Rivets, Various Kinds

Bettcher Stamping & Mfg. Co., The, Clark av, Cleveland, Ohio
See adv index at end of book
Cleveland Wrought Prods Co., 8400 W 58th, Cleveland, O.
See adv index at end of book
Falls Rivet Co., Kent, O.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Jenkinson, R. C. & Co. (Steel), 293 Washington, Newark, N. J.
Kirk-Latty Mfg. Co., 1971 W. 85th, Cleveland, O.
Lamson & Sessions Co., 2138 Scranton rd, Cleveland, O.
Master Products Co. ("M. P." Standard & Special Sizes), 6410H Park av S. E., Cleveland, O.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Reed & Prince Mfg. Co., Dept. H, Worcester, Mass.
Sessions J. H. & Son (Steel), Bristol, Conn.
Stimpson Edwin B. Co., 352 Kent av, Brooklyn, N. Y.
See adv index at end of book
Townsend Company, New Brighton, Pa.
Wrought Washer Mfg. Co., Milwaukee, Wis.
Youngstown Pressed Steel Co. (Steel), Warren, O. *See adv index at end of book*

1704— *Burrs (Soft Steel)

LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Stanley Works, New Britain, Conn.
STIMPSON EDWIN B. CO., 352 Kent av, Brooklyn, N. Y.
See adv index at end of book
WELDING MATERIALS CO. (Wire Welding), 116 Liberty, New York

Bus Bar Copper

See Copper (Bus Bar)

1704a— *Bus Bars

See also Bars (Bus)

CONKLIN BRASS & COPPER CO., INC., T. E., 54-60 Lafayette, New York
See adv index at end of book

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1705—Bushings (Automobile)

Cleveland Wrought Products Co., 8400 W 58th, Cleveland, O.
See adv index at end of book
Dyer Co. ("Dyer"), 155 Brookline, Cambridge, Mass.
Ellison Brass Mfg. Co., Jamestown, N. Y.
Erie Bronze Co., 353 W. 19th, Erie, Pa.
FRANKLIN DIE CASTING CORP., Gifford & Magnolia, Syracuse, N. Y.
See adv index at end of book
Hoffman Bronze & Aluminum Castings Co., 1000 Addison rd, Cleveland, O.
JOHNSON BRONZE CO., New Castle, Pa.
Kingwell Bros. California Brass Works, 444 Natoma, San Francisco, Cal.
Shepard-Thomason Co., 506 W Pico, Los Angeles, Cal.
Simmers G. P. & M. C., 123 S. Main, Pomona, Cal.
Singer Joe, Machine Works, 2116 S Los Angeles, Los Angeles, Cal.
Whitehouse E. A. Mfg. Co., 44 Elm, Newark, N. J.
Zeigler Mfg. Co., Alexandria, Ind.

1706— Bushings (Brass)

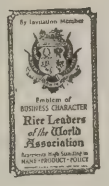
A Brass Foundry ("A. A."), 2052 E. Vernon av, Los Angeles, Cal.
Acheson Mfg. Co., Rankin, Braddoch P. O., Pa. *See adv index at end of book*
Atlas Brass Foundry Co., Columbus, O.
Ajax Metal Co. ("Ajax"), 46 Richmond, Phila., Pa.
Aluminum Castings Co., 2210 Harvard, Cleveland, O.
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Atlas Brass Foundry Co., 980 Park, Columbus, O.
Bridgeport Brass Co., E Main, Bridgeport, Conn.
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, Ohio
See adv index at end of book

BUNTING BUSHING BEARINGS

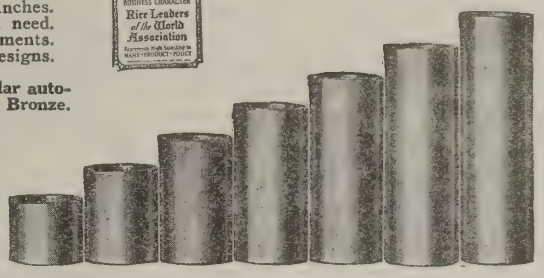


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BUNTING BRASS & BRONZE CO., 738 Spencer, Toledo, O.
See adv index at end of book

Caldwell W. E. Co., Louisville, Ky.

Conklin T. E. Brass & Copper Co., 54-60 Lafayette, New York
See adv index at end of book

Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book

Detroit Sanitary Supply Co., 5905 2d, Detroit, Mich.

Dixie Brass & Foundry Co., Birmingham, Ala.

Eagle Brass Foundry Co., Seattle, Wash.

Edna Brass Mfg. Co. (Brass), Cincinnati, Ohio

Ellison Brass Mfg. Co., Jamestown, N. Y.

Elyria Brass & Bronze Fdry Co., Walnut & B. & O. RR., Elyria, O.

Erie Bronze Co., 353 W. 19th, Erie, Pa.

Everett Brass Foundry, Everett, Wash.

Exeter Brass Works, Exeter, N. H.

Gilbert A. & Sons Brass Fdry. Co., 4019H Forest Park blvd, St. Louis, Mo.

Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, O.

Grinnell Co., Inc., 275 W Exchange, Providence, R. I.

Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.

Hamlin & Emery Brass Co. (Brass, Flush & Hexagon), 49 Island, Boston, Mass.

Hays Mfg. Co., Erie, Pa.

Holmes E. J. & Son, W. State, Ithaca, N. Y.

Hotz Foundry & Mfg. Co., Fremont, O.

Humason Mfg. Co. (Turned), Forestville Station, Conn.

JOHNSON BRONZE CO., New Castle, Pa.

Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book

Kokomo Brass Works (Brass Soldering), Kokomo, Ind.

McCambridge Co., 315 N. 20th, Phila., Pa.

McKenna Brass & Mfg. Co., Inc., 1st av & Ross, Pittsburgh, Pa.

McNab & Harlin Mfg. Co. (Brass & Iron Pipe, etc.), Paterson, N. J.

McRae & Roberts Co., 100 S. Campbell av, Detroit, Mich.

Medina Stamping & Machine Co., Medina, N. Y.

Metaline Co. ("Metaline"), West av, Long Island City, N. Y.

More-Jones Brass & Metal Co. (Brass & Bronze), B'way & Dock, St. Louis, Mo.

Mt. Carmel Mfg. Co. (Bibb), Dept. H, Mt. Carmel, Conn.

National Bronze & Aluminum Found, E. 88th & Laisy, Cleveland, O.

Newark Brass Works, 22 Lawrence, Newark, N. J.

Newbury J. H., Goshen, N. Y.

New Process Specialty Co., 230 Hanover, Milwaukee, Wis.

Perkes Chas. (Est of), 627 Arch, Phila., Pa.

Reeves Paul S. & Co., 1415 Catherine, Phila., Pa.

Richter Brass Co., 210 E 9th, Cincinnati, O.

Ryan J. J. & Co., 100 S Jefferson, Chicago, Ill.

Ryder Brass Fdry. Co., Bucyrus, O.

Sherman H. B. Mfg. Co., Battle Creek, Mich.

Shoop Bronze Co., Tarentum, Pa.

Standard Motor Products Co. ("Master"), 63 Page, San Francisco, Cal.

Steel City Electric Co. ("Fullman" for Rigid Conduit), Hale bldg, Phila., Pa.

Street & Kent Mfg. Co., 549 Fulton, Chicago, Ill.

Titanium Bronze Co., Inc., Niagara Falls, N. Y.

Try-Me Mfg. Co., Westfield, Mass.

Union Brass & Metal Mfg. Co., Lawson & Mackubin, St. Paul, Minn.

United Wire & Supply Co., Elmwood Station, Providence, R. I.

Waltham Screw Co. (Brass, etc), Waltham, Mass.

Walworth Mfg. Co., 32H Pearl, Boston, Mass.

Wolverine Brass Works, Grand Rapids, Mich.

Wolverine Tube Co., 1411H Central, Detroit, Mich.

Wood's, T. B., Sons Co., Chambersburg, Pa.

Woodward-Wanger Co., 1106 Spring Garden, Phila., Pa.

Zeigler Mfg. Co., Alexandria, Ind.

1707— Bushings (Bronze)

A Brass Foundry ("A. A."), 2052 E. Vernon av, Los Angeles, Cal.

Ajax Metal Co. ("Ajax"), 46 Richmond, Phila., Pa.

Aluminum Castings Co. ("Lynux"), 2210 Harvard, Cleveland, O.

American Bronze Corp. ("Non-Gran"), Berwyn, Pa.

Am. Crucible Products Co., Elyria, O.

Atlas Brass Foundry Co., Columbus, O.

Augustine Brass Foundry, 1137 S. Pigrim, Stockton, Cal.

Bacon & Matheson Forge Co., 17H W. Lander, Seattle, Wash.

Block Brass Foundry Co. Inc., 760 23rd av, Oakland, Cal.

BRASS FOUNDRY CO., 700 McAdams, Peoria, Ill. *See adv index at end of book*

Bridgeport Brass Co., E Main, Bridgeport, Conn.

Brown A. & F. Co., 79 Barclay, New York.

BUNTING BRASS & BRONZE CO., 738 Spencer, Toledo, O.
See adv index at end of book

Central Brass & Fixture Co., Springfield, O.

Channon James H. Mfg. Co. (Self Lubricating), 227H W. Erie, Chicago, Ill.

Conklin T. E. Brass & Copper Co., 54-60 Lafayette, New York
See adv index at end of book

Damascus Bronze Co. ("Damascus"), N S, Pittsburgh, Pa.

Eagle Brass Foundry Co., Seattle, Wash.

Ellison Brass Mfg. Co., Jamestown, N. Y.

Elyria Brass & Bronze Fdry Co., Walnut & B. & O. RR., Elyria, O.

Erie Bronze Co., 353 W. 19th, Erie, Pa.

Everett Brass Foundry, Everett, Wash.

Federal Bearing & Bushing Corp., 1443 Trombly, Detroit, Mich.

Fowler Lamp & Mfg. Co. ("Fowler," for Motor Cars & Boats), 59 E 24th, Chicago, Ill.

Gilbert A. & Sons, Brass Fdry. Co., 4019H Forest Park blvd, St. Louis, Mo.

Hampden Brass Co., 262 Liberty, Springfield, Mass.

Hotz Foundry & Mfg. Co., Fremont, O.

Hoyt Metal Co., Boatmans Bk. bldg, St. Louis, Mo.

Hungerford, U. T., Brass & Copper Co. ("Star"), 86 Lafayette, New York

Ideal Bronze Co., 1265 E. 55th, Cleveland, O.

JOHNSON BRONZE CO., New Castle, Pa.

Kidder R. E. Co., 35 Hermon, Worcester, Mass.

Kingwell Bros. California Brass Wks. ("King Bronze"), 444H Natoma, San Francisco, Cal.

Laclede Brass Wks., 307 Cedar, St. Louis, Mo.

Livermore Homer F., Inc., 85 Pearl, Boston, Mass.

Lumen Bearing Co., 200 Lathrop, Buffalo, N. Y. *See adv index at end of book*

McKenna Brass & Mfg. Co., Inc., 1st av & Ross, Pittsburgh, Pa.

Merriman Bros. (Self-Lubricating), 185 Amory, Jamaica Plains, Boston, Mass.

National Aluminum Co., Racine, Wis.

National Bronze & Aluminum Foundry Co., E. 88th & Laisy, Cleveland, O.

Oberdorfer M. L. Brass Co., 310 E Water, Syracuse, N. Y.

Pacific Metal Works ("Eclipse"), 153 1st, San Francisco, Cal.

Phillips Bronze Bushings Works, 1460 E. Washington, Los Angeles, Cal.

Price Bros. (To Specifications), Frederick, Md.

Ryder Brass Fdry. Co., Bucyrus, O.

Shoop Bronze Co., Tarentum, Pa.

Standard Motor Products Co. ("Master"), 63 Page, San Francisco, Cal.

Sterling Specialty Co., Newcomerstown, O.

Titanium Bronze Co., Inc., Niagara Falls, N. Y.

Union Brass Foundry, 723 N. Main, Los Angeles, Cal.

United American Metals Corp., 192 Diamond, Brooklyn, N. Y.

Walworth Mfg. Co., 32H Pearl, Boston, Mass.

Williams E. A. & Sons, 109 Plymouth, Jersey City, N. J.

Wolverine Tube Co., 1411H Central av, Detroit, Mich.

Wood's, T. B., Sons Co., Chambersburg, Pa.

1707a— Bushings (Bung Hole)

American Tap Bush Co., 102 Iron, Detroit, Mich.

Heartley Machine, Variety Iron & Tool Works ("Gardner" Double Flange, Oval & Round), 900 Summit, Toledo, O.

U. S. Bung Mfg. Co., 50 S 2nd, Brooklyn, N. Y.

Bushings (Conduit)

See Bushings, Outlet & Locknut

1708— Bushings (Damper)

Doody Vapor Heating Co., 46 Cornhill, Boston, Mass.

Parker Supply Co. (Ball Bearings), 785 E 135th, New York

1709— Bushings (Die Cast)

FRANKLIN DIE CASTING CORP., Gifford & Magnolia, Syracuse, N. Y.
See adv index at end of book

1710— Bushings (Expansion)

Brown & Sharpe Mfg. Co., Providence, R. I.

1711— Bushings (Graphite)

Acheson Graphite Co., Niagara Falls, N. Y.

Bacon & Matheson Forge Co. (Bronze), 17H W. Lander, Seattle, Wash.

Bound Brook Oil-less Bearing Co. ("Nigrum" Graphite Impregnated Wood, Oil-less), Bound Brook, N. J.

Cleveland Graphite Bronze Co., 2906 Chester av, Cleveland, O.

Randall Graphite Products Corp. ("Randall"), 711H Fulton, Chicago, Ill.

1712— Bushings (Hard Fibre)

See also Fibre, Hard

Brandywine Fibre Products Co., E. Wilmington, Del.
See adv index at end of book

Continental Fibre Co. ("Bakelite-Dilecto," "Continental Bakelite"), Newark, Del.

DELAWARE HARD FIBRE CO (Hard Fibre), Wilmington, Del. Works: Marshallton, Del. *See adv index at end of book*

DIAMOND STATE FIBRE CO., Dept. 37, Bridgeport, Pa.
See adv index at end of book

ITEN FIBRE CO., 2358 E 67th, Cleveland, O.
See adv index at end of book

Lahne M. M. & Co. (All Sizes), 107 Cushing, Lowell, Mass.

Livermore Homer F. Inc., 85 Pearl, Boston, Mass.

(Continued on following page)

Bushings (Hard Fibre)—Continued

NATIONAL VULCANIZED FIBRE CO., Beach & Maryland av, Wilmington, Del.
See adv index at end of book

Russell Specialty Mfg. Co., 2944 Lake, Chicago, Ill.

SPAULDING FIBRE COMPANY, INC., Tonawanda, N. Y.
See adv index at end of book

Wilmington Fibre Specialty Co., Wilmington, Del.

1713—*Bushings (Insulation)

BRANDYWINE FIBRE PRODUCTS CO., E Wilmington, Del.
See adv index at end of book

Bryant Electric Co., 1421 State, Bridgeport, Conn.

Fibroc Insulation Co. ("Fibroc"), cor. Campbell, Valparaiso, Ind.
See adv index at end of book

GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book

Waterbury Button Corp., 831 S. Main, Waterbury, Conn.
See adv index at end of book

1713a—Bushings (Machine Drawn)

LUMEN BEARING CO., 200 Lathrop, Buffalo, N. Y.

1714— Bushings (Oil Switch)

Electrose Mfg. Co., Washington & Plymouth, Brooklyn, N. Y.

1715—Bushings (Outlet & Locknut)

Adapti Mfg. Co. ("Adapti" Locknut), 2990 E. 72nd, Cleveland, O.

Appleton Electric Co., Willington & Paulina, Chicago, Ill.

Belcher & Loomis Hdw. Co. ("Boss" Outlet), 89 Weybosset, Providence, R. I.

Bonnell W. A., 192 Chambers, New York

Buchanan J. F. & Co., 1904 Sansom, Phila., Pa.

Chicago Fuse Mfg. Co., Laflin & 15th, Chicago, Ill. *See adv index at end of book*

Cleveland Wrought Products Co., 3400 W 58th, Cleveland, O.
See adv index at end of book

Condit Electrical Mfg. Co. ("Shawmut"), 842 Summer, Boston, Mass.

Federal Sign System (Electric Waterproof Outlet), 8700H S. State, Chicago, Ill.

Fralick S. R. & Co. ("Kwikon"), 15 S. Clinton, Chicago, Ill.

Gillette-Vibber Co., New London, Conn.

Gleason James & Co., 515 W. Jackson blvd, Chicago, Ill.

Grabler Mfg. Co., Cleveland, O.

Harter Mfg. Co., 522 S Clinton, Chicago, Ill.

Leveridge Chas. W. ("L. & L."), 246 Fulton, New York

Liberty Machine Co. (Dept. H, Wauwatosa, Wis.

Multi Electrical Mfg. Co. ("Multi" Locknut), 1848 W 14th, Chicago, Ill.

National Metal Molding Co. ("National" Conduit Metal), 1110 Fulton bldg, Pitsburgh, Pa.

Pass & Seymour, Solvay, N. Y.

Peru Elec. Co., Peru, Ind.

Phila. Electrical & Mfg. Co., 1236 N 31st, Phila., Pa.

Rattan Mfg. Co. ("R. M. C."), 552H State, New Haven, Conn.

Standard Electric Fitting Co., Stamford, Conn.

Steel City Elec. Co. ("Star," "Ovalduct"), 1207 Columbus av, Pittsburgh, Pa.

Thomas & Betts Co., 63 Vesey, New York

Troy Electrical Co. ("Teco"), Troy, N. Y.

V. V. Fittings Co., 711 Cherry, Phila., Pa.

Westinghouse Elec. & Mfg. Co., E Pittsburgh, Pa. *See adv index at end of book*

1716—Bushings (Phosphor Bronze)

Atlas Brass Foundry Co., Columbus, O.

BUNTING BRASS & BRONZE CO., 738 Spencer, Toledo, O.
See adv index at end of book

Damascus Bronze Co. ("Damascus"), N S, Pittsburgh, Pa.

Ellison Brass Mfg. Co., Jamestown, N. Y.

Erie Bronze Co., 353 W. 19th, Erie, Pa.

Everett Brass Foundry, Everett, Wash.

Everitt Co., 267 Franklin, Boston, Mass.
See adv index at end of book

Hill-Smith Metal Goods Co. ("H.-S."), 82 Brookline av, Boston, Mass.

Hoffman Bronze & Aluminum Castings Co., 1000 Addison rd, Cleveland, O.

JOHNSON BRONZE CO., New Castle, Pa.

Lumen Bearing Co., 200 Lathrop, Buffalo, N. Y. *See adv index at end of book*

National Bronze & Aluminum Foundry Co., E. 88th & Laisy, Cleveland, O.

PHOSPHOR BRONZE SMELTING CO. ("Elephant Brand" Unfinished), 2202 Washington av, Phila., Pa.

Ryder Brass Fdry. Co., Bucyrus, O.

Titanium Bronze Co., Inc., Niagara Falls, N. Y.

Wood's, T. B., Sons Co., Chambersburg, Pa

1717— Bushings (Pipe)

Acheson Mfg. Co., Rankin, Pa.
See adv index at end of book

Detroit Brass & Malleable Works (Cast & Malleable Iron), 1117 Holden, Detroit, Mich.

Illinois Malleable Iron Co., 1801 Diversey blvd, Chicago, Ill.
See adv index at end of book

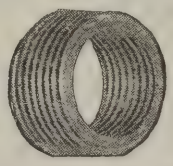
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book

Larkin, J. K. & Co., 253 Broadway, New York *See adv index at end of book*

Malleable Iron Fittings Co., Branford, Conn.

NEW HAVEN SCREW CO. (Flush and Hex. Reducing, Milled from the Bar), 199 Foster, New Haven, Conn.
See adv index at end of book

STEEL
REDUCING BUSHINGS
Hexagon and Faced



Stock Sizes—¼, ⅜, ½, ¾ and 1 inch.
NEW HAVEN SCREW CO.
199 Foster St., New Haven, Conn.

Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*

Walworth Mfg. Co., 82H Pearl, Boston, Mass.

Bushings (Porcelain)

See Porcelain Specialties, Electrical, etc.

1718—Bushings (Pulley, Etc.)

Arguto Oilless Bearing Co., 149 Berkley, Wayne Junc., Phila., Pa.

Bound Brook Oil-less Bearing Co. ("Nigrum" Impregnated Wood, Oil-less), Bound Brook, N. J.

Brown Engineering Co. ("Brown," Ring Oiling, Loose Pulley), 110 N 3rd, Reading, Pa.

BUNTING BRASS & BRONZE CO. (Bronze), 738 Spencer, Toledo, O.
See adv index at end of book

Channon Jas. H. Mfg. Co. (Self Lubricating Graphite Bronze), 227 W Erie, Chicago, Ill.

Elyria Brass & Bronze Fdry. Co., Walnut & B. & O. R. R., Elyria, O.

Johnson Bronze Co., New Castle, Pa.

Link-Belt Company, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*

Reeves Paul S. & Co., 1415 Catherine, Phila., Pa.

Saginaw Mfg. Co., Saginaw, Mich.

South Bend Dowel Works, South Bend, Ind.

Wolf Co., Chambersburg, Pa.

Wood's T. B. Sons Co. (Cast Iron Goods, Pulley, etc), Chambersburg, Pa.

1719— Bushings (Radiator)

Flagg Stanley G. & Co., 1421 Chestnut, Phila., Pa.

Kelly & Jones Co. The, Greensburgh, Pa. *See adv index at end of book*

Neuman-Warnock Co., Beaver Dam, Wis.

Ravena Iron Co., Ravena, N. Y.

Walworth Mfg. Co., 82H Pearl, Boston, Mass.

Bushings (Rawhide)

See Gears & Pinions, Rawhide

1720— Bushings (Reaming)

Cleveland Punch & Shear Works Co., 3917 St. Clair av, Cleveland, Ohio
See adv index at end of book

1721—Bushings (Roller Bearing)

Hyatt Roller Bearing Co., Harrison, N. J.

Merriman Bros. (Self-Lubricating), 186 Amory, Boston, Mass.

Torrey Roller Bushing Works, Bath, Me.

Bushings (Rubber)

See Rubber Goods Manufacturers, Mechanical

1722— Bushings (Socket)

American Hard Rubber Co., 9 Mercer, New York

Auburn Button Works Inc., Auburn, N. Y.

Bryant Electric Co., 1421 State, Bridgeport, Conn.

Electrose Mfg. Co. (Composition), 70 Washington, Brooklyn, N. Y.

Hemming Mfg. Co., Garfield, N. J.

Hubbell Harvey, Bridgeport, Conn.

International Insulating Corp., 25 W. 45th, New York

Johns Manville, Inc., Madison av & 41st, New York

Scranton Button Co. (Socket & Plain), Scranton, Pa.

Waterbury Button Corp., 831 S. Main, Waterbury, Conn.
See adv index at end of book

1722a—Bushings (Spring Bolt)

Bunting Brass & Bronze Co., 738 Spencer, Toledo, Ohio
See adv index at end of book

1722b— Bushings (Steel)

Beehler Steel Products Co., 1449 N 13th, St. Louis, Mo.
See adv index at end of book

Boston Gear Works, Norfolk Downs, Quincy, Mass.
See adv index at end of book

1722c— Bushings (Tractor)

BUNTING BRASS & BRONZE CO., 738 Spencer, Toledo, O.
See adv index at end of book

Hoffman Bronze & Aluminum Castings Co., 1000 Addison rd, Cleveland, O.

1723—Bushings (Trolley Wheel)

Bound Brook Oil-less Bearing Co. ("Nigrum" Impregnated Wood Oil-less), Bound Brook, N. J.

Elec. Railway Equip. Co., Cincinnati, O.

Eureka Co., North East, Pa.

Hodgkins J. F. Co., Gardiner, Me.

Ives H. B. Co. ("New Haven"), New Haven, Conn.

JOHNSON BRONZE CO., New Castle, Pa.

Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.

Torrey Roller Bushing Works, Bath, Me.

1724— Bushings (Wooden)

Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*

Boundbrook Oil-Less Bearing Co., N Main, Boundbrook, N. J.

ESTES E. B. & SONS, 364 5th av, New York. *See adv index at end of book*

Nashua Spool & Bobbin Co., Haverhill Nat'l Bk. bldg, Haverhill, Mass.

Piqua Handle & Mfg. Co., P O Box 307, Piqua, O.

South Bend Dowel Co., South Bend, Ind.
See adv index at end of book

STEVENSON MFG. CO., South Bend, Ind
See adv index at end of book

WOOD BUSHINGS
Made of Kiln-Dried Hard Maple
Send Specification or Drawing for Prices
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STEVENSON MFG. CO.
SOUTH BEND, INDIANA

Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book

1724a— Busters, Concrete

See also Concrete Breakers

Cleveland Wrought Products Co., 3400 W 58th, Cleveland, O.

1724b— Butt Treating

BELL LUMBER CO. (Pole Treating), Security bldg, Minneapolis, Minn.
See adv index at end of book

Page & Hill, Plymouth bldg, Minneapolis, Minn.

Walsh Tie Co. (Open Tank Process), McKnight bldg, Minneapolis, Minn.

Butter Workers

See Dairy Apparatus & Supplies

1725—Butterises (Blacksmiths')

Auer John Jr., 197 Middleton, Brooklyn, N. Y.

Goodell-Pratt Co., Greenfield, Mass.

Griffith Tool Works, 521 Market, Phila., Pa.

1726— Button Back Mfrs.

WATERBURY BUTTON CORPORATION, 831 So Main, Waterbury, Conn.
See adv index at end of book

White L. C. Co., Waterbury, Conn.

METAL BUTTONS SNAP FASTENERS

Uniform and Livery, Dress, Jumper and Working Coat, Dress, Trouser Sew-On, Tack Fastened and Machines for Attaching. Furnished in a great variety of finishes from plain black to polished and embossed brass. We have been making metal buttons for 121 years.

Designed for Automobile curtains, tops, seat covers, radiator covers, floor carpets and door pockets.

Spring Stud Fasteners for leather fabric, knit and silk gloves and leather novelties.

Solid-Stud Fasteners for clothing, rain coats, linen dusters, caps and novelties.

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C. W. Stewart Co.
Gloversville, N. Y.

1727—Button Dies, Parts & Supplies

Cruver Mfg. Co. (Parts & Fendings), 2456H W. Jackson blvd, Chicago, Ill.
Illinois Modern Button & Machine Co., 2407 W Ohio, Chicago, Ill.
WATERBURY BUTTON CORPORATION, (Molds, Backs & Shells), 831 So Main, Waterbury, Conn.
See adv index at end of book

1728— Button Mfrs.

American Hard Rubber Co. (Hard Rubber), 9 Mercer, New York
Art in Buttons, Inc., Rochester, N. Y.
Automatic Button Co. ("Mississippi" Pearl), Muscatine, Ia.
Bogert & Hopper, Inc. (Wooden Collar), 57 Barclay, New York
See adv index at end of book
Brophy Chas. A. (Uniform), Aurora, Ill.
Century Button Works, 156 W 34th, New York
Columbia Button Works, 49 W 27th, New York
Crowe-Keane Button Co., Botsford, Conn.
Delaware Hard Fibre Co. (Fibre), Wilmington, Del.
See adv index at end of book
Dorfman, J. S., Co., 349 S Los Angeles, Los Angeles, Cal.
French Button Works, 721 Cherry, Phila., Pa.
Geraghty & Co., 3035 W Lake, Chicago. Ill.
Globe Trimming & Button Co., 50 W 26th, New York
Huntington Rubber Mills ("Ever-On" Rubber), Macadam & Nevada, Portland, Ore.
Illinois Modern Button & Machine Co. 2407 W Ohio, Chicago, Ill.
Janeway Button Co., New Brunswick, N. J.
Leader Button Co., 133 W 25th, New York
Lindenhurst Mfg. Co., Lindenhurst, N. Y.
McKee & Bliven Button Co., Muscatine, Ia.
Metropolitan Button Co., 112 W 21st, New York
New York High Grade Button Works, 130 Geary, San Francisco, Cal.
Penn Button Works, 444 N 13th, Phila., Pa.
Phelps & Sons Mfg. Co., 110 Pennington, Newark, N. J.
Rochester Button Co. (Ivory), 300H State, Rochester, N. Y.
Rothschild Bros. & Co., 1115 B'way, New York
Saugatuck Mfg. Co., Saugatuck, Conn.
SCOVILL MFG. CO. (Made of Metal Only. Dress, Jumper, Overall, Patented, Uniform Sew On), Waterbury, Conn.
See adv index at end of book
Shantz M. B., 237 S Wells, Chicago, Ill.
Smith E. F. & Son, Union City, Conn.
Standard Button Works, 417 6th av, New York
Sun Enamel Works (Wood, Enameled, etc), Leominster, Mass.
Wade Button Co., 55 Sudbury, Boston, Mass.
Waldes & Co., 3 W 29th, New York
Waterbury Button Corporation, 831 So Main, Waterbury, Conn.
See adv index at end of book
Waterbury Steel Ball Co. (Glove & Cloth Covered), 300 Aurora, Waterbury, Conn.
See adv index at end of book
Wendtland Wm., 51 Mercer, New York
York Button Works, B. & Allegheny, Phila., Pa.

1729—Buttoners (Glove & Shoe)

Celluloid Co. (Celluloid Hooks), 36 Washington pl, New York
DU PONT E. I. DE NEMOURS & CO. INC., Pyralin Div. ("Pyralin," see Adv. at Celluloid), Arlington, N. J.
See adv index at end of book
Fiberloid Corp., Dept. H, Indian Orchard, Mass.
Havell Mfg. Co. (Glove), 284 Washington, Newark, N. J.
Novelty Cutlery Co., Canton, O.
Potter & Snell, Deep River, Conn.
Ross Jos. & Co. (Glove Hooks), Irvington, N. J.
Vaughan Novelty Mfg. Co. ("Jim Dandy" Combination), 711 Fulton, Chicago, Ill.
Waterbury Button Corporation, 831 So Main, Waterbury, Conn.
See adv index at end of book

1730— Buttons (Bone)

Armour Fertilizer Works, Union Stock Yards, Chicago, Ill.
Hafleigh & Co., Cambria & N American, Phila., Pa.
Rogers Mfg. Co., Rockfall, Conn.
Rogers & Hubbard Co., Middletown, Conn.
Wahl Emil Mfg. Co., Pulaski av & Ruffner, Phila. Pa.
Western Button Factory (All Sizes), 15th & Utah, San Francisco, Cal.

1731— Buttons (Celluloid)

Brunt, Walter N., 111 7th, San Francisco, Cal.
Harris Benj. Co. (Campaign), 229 Bowery, New York
Leominster Sheet Goods Mfg. Co. (Hair Tip), Leominster, Mass.
Napier-Browning Co., 105 W 40th, New York
Reading Ribbon Badge Co., Reading, Pa.
St. Louis Button Co. (Advertising), 413 Lucas av, St. Louis, Mo.
Waterbury Button Corporation, 831 So Main, Waterbury, Conn.
See adv index at end of book
WATERBURY STEEL BALL CO. (Glove), 300 Aurora, Waterbury, Conn.
See adv index at end of book
Whitehead & Hoag Co., 272 Sussex av, Newark, N. J.

Buttons (Clinch)

See Buttons, Tufting

1732—Buttons (Cloth Covered)

American Button Works, 46 E 11th, New York
City Button Works, 322 5th av, New York
Cloak & Suit Button Co., 49 W 27th, New York
Drucker Bros., 113 W 31st, New York
Eagle Button Works, 55 Chrystie, New York
Lane Mfg. Co., Waterbury, Conn.
N. Y. Button Works, 143 W 19th, New York
Royal Button Works, 13 W 17th, New York
Sabel J. Button Co., 6620 S State, Chicago, Ill.
St. Louis Plume & Plaiting Co., 620 N B'way, St. Louis, Mo.
Star Button Works, 53 W 28th, New York
Victoria Button Works, 209 W 35th, New York
Waterbury Button Corporation, 831 So Main, Waterbury, Conn.
See adv index at end of book
WATERBURY STEEL BALL CO. (Silk Lustral), 300 Aurora, Waterbury, Conn.
See adv index at end of book
Western Covered Button Co., 419½ 6th av, New York

1732a— Buttons (Collar)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Celluloid Co., 36 Washington pl, New York
Imperial Pearl Button Co., 131 W. 23rd, New York
Krementz & Co. (Gold), 49 Chestnut, Newark, N. J.
Smith & Crosby (Gold Front), Attleboro, Mass.
Scovill Mfg. Co. (To Order Only), Waterbury, Conn.
See adv index at end of book
Waterbury Button Corporation, 831 So Main, Waterbury, Conn.
See adv index at end of book

1733— Buttons (Composition)

Auburn Button Works Inc., Auburn, N. Y.
Turkeltaub M. & Son, 38 E 12th, New York
WATERBURY BUTTON CORPORATION, 831 So Main, Waterbury, Conn.
See adv index at end of book

1734— Buttons (Crochet)

Blumenkrohn L. & Co., 13 W 27th, New York
Schloss Jos. W. Co., 11 E 26th, New York

1735— Buttons (Door)

Arcade Mfg. Co. (Cast Iron), Freeport, Ill.
Corbin P. & F., New Britain, Conn.
Fernald Mfg. Co., North East, Pa.
Grey Iron Casting Co. (Japanned), Mt. Joy, Pa.
Hardware Supply Co., Grand Rapids, Mich.
Ney Mfg. Co., Canton, O.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Sharon Hardware Mfg. Co. (Wrought Steel), Sharon, Pa.
Stanley Works, New Britain, Conn.
See adv index at end of book
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book
Stover Mfg. & Engine Co., Freeport, Ill.
Waterbury Button Corporation, 831 So Main, Waterbury, Conn.
See adv index at end of book

1736— Buttons (Horn)

Armour Fertilizer Works, Union Stock Yards, Chicago, Ill.
Damon Co., Leominster, Mass.
Earl W. D. Co., Leominster, Mass.
Eureka Button Co., 684 B'way, New York
Griffin Button Co., Shelton, Conn.
Leominster Shell Goods Mfg. Co., Leominster, Mass.

1737— Buttons (Ivory)

Art in Buttons, Inc., Rochester, N. Y.
Blumenthal B. & Co., 353 4th av, New York
Button Machinery Co., Grand & 11th, Hoboken, N. J.
Federal Button Co., 365 Market, Newark, N. J.
Grote F. & Hubbell Co., 82 4th av, New York
Pratt, Read & Co., Deep River, Conn.
Rochester Button Co., Rochester, N. Y.
Sher Louis, 49 W 27th, New York
Superior Ivory Button Co., 49 Dickerson, Newark, N. J.
Turkeltaub M & Son, 38 E 12th, New York
Warsaw Button Co., Warsaw, N. Y.
WATERBURY BUTTON CORPORATION, 831 So Main, Waterbury, Conn.
See adv index at end of book
Zneimer Nicolas Button Works, 102 S 11th, Newark, N. J.

1737a— Buttons (Laundry)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Waterbury Button Corporation, 831 So Main, Waterbury, Conn. *See adv index at end of book*

1738— Buttons (Metal)

Asch Edgar S. Co. 39 W 36th, New York
Ball & Socket Mfg. Co., West Cheshire, Conn.
Blumenthal B. & Co., 353 4th av, New York
Eagle Button Works (Covered), 55 Christie, New York
Hatheway Mfg. Co. (For Garters), Bridgeport, Conn.
Havell Mfg. Co. (Steel), 284 Washington, Newark, N. J.
Moore Bros., 39 S La Salle, Chicago, Ill.
Orange Mfg. Co., 190 Emmett, Newark, N. J.
Patent Button Co., Waterbury, Conn.
Radcliffe C. & Sons Co., 276 N. J. R. R. av, Newark, N. J.
Richmond Bros. Co., 177 Chestnut, Newark, N. J.
Scovill Mfg. Co. (All Kinds), Waterbury, Conn. *See adv index at end of book*
Steele & Johnson Mfg. Co. (Plain & Fancy), Waterbury, Conn.
Steel & Taylor Co., 133 W 25th, New York
Tonks Bros., 227 High, Newark, N. J.
Universal Button Fastening & Button Co., 2255 W Fort, Detroit, Mich.
WATERBURY BUTTON CORPORATION, (Fancy), 831 So Main, Waterbury, Conn. *See adv index at end of book*
WATERBURY STEEL BALL CO., 300 Aurora, Waterbury, Conn. *See adv index at end of book*
Whitehead & Hoag Co., 273 Sussex av, Newark, N. J.

1739-40—Buttons (Pearl)

Alma Mfg. Co., 611-61 S. Monroe, Baltimore, Md.
American Pearl Button Co., Washington, Iowa
American Pearl Button Works, 143 W 19th, New York
Automatic Button Co. ("Mississippi"), Dept. H, Muscatine, Ia.
Baker Alfred, 79 Orange, Newark, N. J.
Blumenthal B. & Co., 353 4th av, New York
Cameron W. L. Co., 794 10th av, New York
Capoli Button Works, Lansing, Ia.
Chalmers Harvey & Son (Fresh Water), Amsterdam, N. Y.
Davenport Pearl Button Co., Davenport, Iowa
Davis Thos. & Sons, 103 Oliver, Newark, N. J.
Dolezal Jos., Long Island City, N. Y.
Dorfman Bros., 55 Branford, Newark, N. J.
Dorfman J. S. Co., 349 S Los Angeles, Los Angeles, Cal.
Dover Pearl Button Co. (Blanks), Dover, Ky.
Dvorsky Co., 411 E 91st, New York
Excelsior Pearl Works, 178 Grand, New York
Gemmi Bros. Co., 125 N 5th, Phila., Pa.
Going Mfg. Co., Amsterdam, N. Y.
Gotham Pearl Button Works, 45 E 17th, New York
Guenscht L., 183 Centre, New York
Hak Anton, West Willington, Conn.
Hamburg Button Co., 1140 B'way, New York
Hampshire Pearl Button Co., Amsterdam, N. Y.
Hawkeye Pearl Button Co., Muscatine, Ia.
Haydenville Button Co., Haydenville, Mass.
Hirsch Leo. H & Co., 300 E 22d, New York
Hirshfeld Herman, New Milford, N. J.
Hodson John M., Boone & Markle, Phila., Pa.
Howell Chas. M., Waltham, Mass.
Huebner E. & Sons, 123 Van Buren, Newark, N. J.
Imperial Pearl Button Co., 131 W 23d, New York
International Button Co., Rochester, N. Y.
Kral Wm. & Co., Franklin, Long Island City, N. Y.
Kubik Karl, 45 Monmouth, Newark, N. J.
Kupka & Follimel, W New York, N. J.
La Grange Pearl Button Co., La Grange, Mo.
McKee & Bliven Button Co., Muscatine, Ia.
Manhattan Pearl Button Mfg. Co., 195 Park pl, Long Island City, N. Y.
Masinda Wm., West Willington, Conn.
Mississippi Pearl Button Co., Burlington, Iowa
Mousley Arthur J., 673 S 16th, Newark, N. J.
National Pearl Works, 56 W 36th, New York
New England Button Co., 94 Mechanic, Newark, N. J.
New Jersey Button Works, 49 Dickerson, Newark, N. J.
Nord-Buffum Pearl Button Co., Louisiana, Mo.
Parizek Frank, West Willington, Conn.
Patent Pearl Works, 24 E 23rd, New York
Pence M. E., Dallas City, Ill.
Pioneer Pearl Button Co., Poughkeepsie, N. Y.
Popp James, 29th, Chicago, Ill.
Power & Kelsay, 377 B'way, New York
Progress Button Co., Marvine & Montgomery, Phila., Pa.
Richards Walter W., Muscatine, Ia.
Robinson J. T. & Son, 45 E 17th, New York
Schmalz C. F. (Blanks), Muscatine, Ia.
Schner Block Co., Muscatine, Ia.
Superior Button Mfg. Co. (Fresh Water & Ocean), 41 N 11th, Phila., Pa.
Tonks Bros., 227 High, Newark, N. J.
Union Pearl Works (Cloak & Suit), 43 W 27th, New York
U. S. Button Co., Muscatine, Ia.
Weber & Sons Button Co., Muscatine, Ia.
Wisconsin Pearl Button Co., LaCrosse, Wis.
Wranck Frank, 15th av, Long Island City, N. Y.
Zneimer Nicolas Button Works, 107 S 11th, Newark, N. J.

1741— Buttons (Shoe)

Appelbee & Neuman, Inc., 23 Greene, New York
Art in Buttons, Inc., Rochester, N. Y.
Davis Thos. & Sons, 103 Oliver, Newark, N. J.
Detroit Shipbuilding Co., Ft. Orleans, Detroit, Mich.
Elite Button Co., 220 W 19th, New York
Farnsworth, Hoyt & Co., 58 Lincoln, Boston, Mass.
Hardman Button Co., Beverly, Mass.
Haydenville Button Co. (Pearl), Haydenville, Mass.
Imperial Pearl Button Co., 131 W. 23rd, New York
Morley Button Mfg. Co., Portsmouth, N. H.
WATERBURY BUTTON CORPORATION, (Ivory & Metal), 831 So Main, Waterbury, Conn. *See adv index at end of book*

1742— Buttons (Stair)

Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Gould's M. Son & Co., 115 Lafayette, Newark, N. J.
Judd H. L. Co., 87 Chambers, New York
Kroder John & Hy., Reubel Co., Meeker av, Brooklyn, N. Y.
Waterbury Button Corporation, 831 So Main, Waterbury, Conn. *See adv index at end of book*
Williamson C. T. Wire Novelty Co., Badger av, Newark, N. J.

1743—*Buttons (Tool Makers')

Starrett L. S. Co., Athol, Mass.

1744— Buttons (Tufting)

Atlas Tack Co., Fair Haven, Mass.
Morley Button Mfg. Co. (Clinch, etc), Portsmouth, N. H.
Neider, F. A. Co. ("Neider" Patent Clinching), Dept. H, Augusta, Ky.
St. Louis Plume & Plaiting Co. (Automobile), 620 N. B'way, St. Louis, Mo.
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Tufting Machine & Supply Co., 268 E. Jefferson, Detroit, Mich.
Waterbury Button Corporation, 831 So Main, Waterbury, Conn. *See adv index at end of book*

1745— Buttons (Uniform)

American Button Co., 70 Morris av, Newark, N. J.
American Railway Supply Co., 134 Charles, New York
City Button Works, 322 5th av, New York
Conlan Bernard & Co., 87 Hamilton, Newark, N. J.
Lane Mfg. Co., Waterbury, Conn.
N. Y. Button Works, 143 W 19th, New York
Pettibone Bros. Mfg. Co., 626 Main, Cincinnati, O.
Platt Bros. & Co., Waterbury, Conn.
Rochester Button Co. (Ivory), 300H State, Rochester, N. Y.
Scovill Mfg. Co., Waterbury, Conn. *See adv index at end of book*
Steele & Johnson Mfg. Co., Waterbury, Conn.
WATERBURY BUTTON CORPORATION, 831 So Main, Waterbury, Conn. *See adv index at end of book*

1746— Buttons (Wood)

Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
Elmwood Button Co. (Enameled), 420 Poplar, Bridgeport, Conn.
ESTES E. B. & SONS (Laundry, Wood, Push, Stair, etc.), 364 5th av, New York. *See adv index at end of book*
Frary Mfg. Co., Charlemont, Mass.
SOUTH BEND DOWEL CO., South Bend, Ind. *See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

1746a—*Butts (Ball Bearing)

Stanley Works, New Britain, Conn.

1746b— Butts (Bronze)

Hager C. & Sons Hinge Mfg. Co., 2447 De Kalb, St. Louis, Mo.
Penn Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., Water & Walce, New Haven, Conn.
Stanley Works, New Britain, Conn. *See adv index at end of book*
Western Brass Mfg. Co., Marshall blvd & W 21st, Chicago, Ill.
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

1747— Butts (Cabinet)

National Lock Co., Rockford, Ill.
Sargent & Co., Water & Walce, New Haven, Conn.
Sharon Hardware Mfg. Co., Sharon, Pa.
Stanley Works, New Britain, Conn. *See adv index at end of book*

1747a-b—Butts (Casement)

Chantrell Hdwe. & Tool Co. (Cast Only), Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., Water & Walce, New Haven, Conn.
Stanley Works, New Britain, Conn. *See adv index at end of book*

1747c-d— Butts (Door)

Chicago Spring Butt Co. (Spring), 1500 Carroll av, Chicago, Ill.
CORBIN P. & F., New Britain, Conn.
Griffin Mfg. Co., 15th & Cherry, Erie, Pa.
Lawson Mfg. Co., 230 W Superior, Chicago, Ill.
McKinney Mfg. Co., Locust, Phila., Pa.
Richards-Wilcox Mfg. Co., Aurora, Ill. *See adv index at end of book*
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., Water & Walce, New Haven, Conn.
Stanley Works, New Britain, Conn. *See adv index at end of book*

1747e—*Butts (Full Surface)

Stanley Works, New Britain, Conn. *See adv index at end of book*

1747f— Butts (Furniture)

Scovill Mfg. Co., Waterbury, Conn. *See adv index at end of book*
Sargent & Co., Water & Walce, New Haven, Conn.
Stanley Works, New Britain, Conn. *See adv index at end of book*

1747g—*Butts (Half Surface)

Griffin Mfg. Co., 15th & Cherry, Erie, Pa.
STANLEY WORKS, New Britain, Conn. *See adv index at end of book*

1747h— Butts (Metal Door)

Griffin Mfg. Co., 15th & Cherry, Erie, Pa.
STANLEY WORKS, New Britain, Conn. *See adv index at end of book*

1747i— *Butts (Parliament)

STANLEY WORKS, New Britain, Conn. *See adv index at end of book*

1747j— Butts & Hinges

Am. Tube & Stamping Co. (Pressed Steel), Dept. H, 471 Hancock, Bridgeport, Conn.
Griffin Mfg. Co., 15th & Cherry, Erie, Pa.
Sargent & Co., New Haven, Conn.
Stanley Works ("Stanley"), New Britain, Conn. *See adv index at end of book*

1748— Buzzers (Car, Etc.)

Consolidated Car Heating Co. (High & Low Voltage), Albany, N. Y.
Ostrander W. R. & Co. (Iron & Wood Box), 371 B'way, New York
Schwarze Electric Co., Adrian, Mich.

1749— By-Passes (Gas Burner)

Matchless Brass Mfg. Co., 57 Jay, Brooklyn, N. Y.

1750—By-Products Plants (Designers and Erectors)

Gas Machinery Co., 1900 Euclid av, Cleveland, O.
Hiller Stanley Inc., 369 Pine, San Francisco, Cal.
Koppers Co., The (Ammonia, Benzol & burgh, Pa.
Tar Recovery), Union Arcade, Pitts-
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.

Cabinet Work for Buildings

See Interior Hardwood Work

Cabinet Work (Metallic)

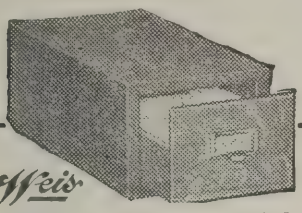
See Bank & Office Fixtures, Metallic

1751—Cabinets (Bath Room, Metal)

Central Metal Products Co. ("C. M. P."), Canton, Ohio
Conant Bros. Co. ("Sanold"), Somerville, Mass.
Corry-Jamestown Mfg. Corp. ("Steel-Age"), Corry, Pa.
Darby Edw. J. & Sons, 319 Vine, Phila., Pa. *See adv index at end of book*
Lawsom F. H. Co. ("Lawco"), Evans & Whately, Cincinnati, Ohio
Seabury Mfg. Co. (Medical Cabinets), Dept. H, Jamestown, N. Y.
Wise J. B., Inc., Watertown, N. Y.

1751a—Cabinets (Card Index)

WEIS MFG. CO., THE, Monroe, Mich.
See adv index at end of book



Weis

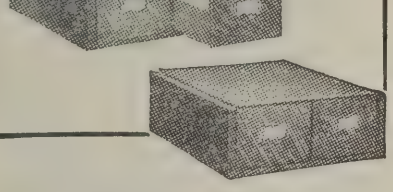
Single, Double, Multiple

Card Index Cabinets

Made for cards 3x5, 4x6, 5x8, 6x9 and 8x5, each drawer equipped with easily adjusted auto-locking steel follow block and has capacity for about 1,500 cards or 3,000 papers. Single drawer cabinets have rubber feet to prevent marring. The two-drawer cabinets are made in Top and Bottom sections. Buy a Top first, then add Bottom sections as required. Light Oak and Mahogany finishes.

Send for big, free catalog of Office Filing Equipment, Supplies and Sectional Bookcases and booklet, "Filing Suggestions."

The Weis Manufacturing Co.
132 Union Street, Monroe, Michigan
A. H. Denny, Inc., 52 Park Place, New York



1752— Cabinets (Catalogue)

See also Filing Cabinets & Devices

American Bolt & Screw Case Co. (Dust Proof Revolving), Dayton, O.
GENERAL FIREPROOFING CO. (THE), 2308 Logan av, Youngstown, O.
See adv index at end of book
Hamilton Mfg. Co. (Wood & Metal), Two Rivers, Wis.
Medart Fred. Mfg. Co., De Kalb & Potomac St. Louis, Mo.
Mills Co. (The) ("Factrequipment"), 5822 St. Clair av, Cleveland, O.
See adv index at end of book
National Ticket Case Co., 842 W 35th, Chicago, Ill.
Ohmer's M. Sons Co. (Dust Proof), Dayton, O.
Rowe Henry Mfg. Co., Newaygo, Mich.

1753— Cabinets (Clothing)

Grand Rapids Show Case Co. (Sectional), Grand Rapids, Mich.
Hamburger E. & Co., 139 Emerson pl, Brooklyn, N. Y.
Huttig Mill Work Co., Kansas City, Mo.
Wadsworth Clothing Cabinet Co., Painesville, O.
Welch Mfg. Co. (Sectional), Grand Rapids, Mich.
Wilmarth Show Case Co., Grand Rapids, Mich.

1754— Cabinets (Display)

Central Metal Products Co. ("C. M. P."), Canton, Ohio
Specialty Display Case Co., Kendallville, Ind.
Staunchwood Shops, 97 Lincoln, Flushing, N. Y.

1755—*Cabinets (Drill, Steel)

Medart, Fred Mfg. Co., St. Louis, Mo.

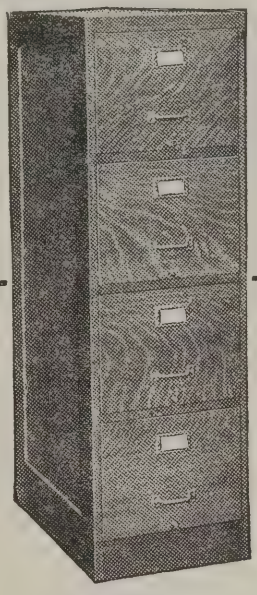
1755a—Cabinets (Electrotype)

Carrom Co., Ludington, Mich.
Hamilton Mfg. Co., Two Rivers, Wis.
Rowe Henry Mfg. Co., Newaygo, Mich.

1755b— Cabinets (Filing)

See also Filing Cabinets & Devices

WEIS MFG. CO., THE, Monroe, Mich.
See adv index at end of book



Weis

1924 Letter File

Will Do All Any High Priced File Can Do

Made two, three and four drawers high, Letter and Legal Cap widths, in Light Oak, Mahogany and Walnut finishes.

FIREPROOF?

Any file made of wood will resist heat and protect contents for a longer period of time than a file made of any other material. And the contents of any file will be consumed if the fire is hot enough.

"WHY PAY MORE"

Send for big, free catalog of Office Filing Equipment, Supplies and Sectional Bookcases and booklet, "Filing Suggestions."

The Weis Manufacturing Co.
132 Union Street, Monroe, Michigan
A. H. Denny, Inc., 52 Park Place, New York

1756—Cabinets (Filing, Blue Print & Special)

See also Filing Cabinets & Devices

All-Steel-Equip Co., Aurora, Ill.
See adv index at end of book
Art Metal Construction Co., Jamestown, N. Y.
Darby Edw. J. & Sons, 319 Vine, Phila., Pa. *See adv index at end of book*
GENERAL FIREPROOFING CO. (THE), 2308 Logan av, Youngstown, O.
See adv index at end of book
Hart & Hutchinson Co. ("H. & H." Steel Blue Print Cabinets), Corbin av, New Britain, Conn.
Weber Co. F., 1220 Buttonwood, Philadelphia, Pa.

1756a—Cabinets (Filing, Stencil)

DIAGRAPH STENCIL MACHINE CORP., DIV. AMERICAN BAKERS MACHINERY CO., 1615 S Kingshighway, St. Louis, Mo.
See adv index at end of book

1756b—Cabinets (Filing Transfer, Steel)

See Also Filing Cabinets & Devices

All-Steel-Equip. Co., Aurora, Ill.
See adv index at end of book

1756c— *Cabinets (Hair Pin)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*

1756d— *Cabinets (Herb)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*

1756e— *Cabinets (Hose)

Central Metal Products Co. ("C. M. P."), Canton, Ohio
Dahlstrom Metallic Door Co., 413 Buffalo, Jamestown, N. Y.
Darby Edw. J. & Sons, 319 Vine, Phila., Pa. *See adv index at end of book*
Nuhring, Chas. & Bros. ("2 in 1"), Cincinnati, O.

1757— Cabinets (Ice Cream)

Bishop & Babcock Co., 1204 E 55th, Cleveland, O.
Crystal Refrigerator Co., Fremont, Neb.
Doering C. & Son, 1375 W Lake, Chicago, Ill.
Reading, Pa.
Dry Zero Insulation Co., Balfour bldg.,
Frantz Refrigeration Co., 406-16 N. Front,
Fremont Mfg. Co., Fremont, Neb.
Herrick Refrigerator & Cold Storage Co. Waterloo, Ia.
INTERNATIONAL NICKEL COMPANY THE (Mechanically Refrigerated-Monel Metal), 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Modern Refrigerator Works, 416 E 9th, Los Angeles, Cal.
Nelson C. Mfg. Co., 2300 Division, St. Louis, Mo.
New England Sheet Metal Works, 311 Broadway, Fresno, Cal.
Northey Mfg. Co., Waterloo, Ia.
Stehling C. H. Co., 401 4th, Milwaukee, Wis.
Ward Refrigerator Co., 6801 S Alameda, Los Angeles, Cal.

1758— Cabinets (Kitchen)

Acme Kitchen Furniture Co., W 1st, Chattanooga, Tenn.
American Sash & Door Co., 16th & Bellefontaine, Kansas City, Mo.
Amos Chas. & Co. Inc., 3000 Hart av, Detroit, Mich.
Bagby Furniture Co., Eastern av & Exeter, Baltimore, Md.
Brown M. Co., Wapakoneta, O.
Buchanan Cabinet Co., Buchanan, Mich.
Built-In Fixture Co. ("Peerless" Built-In), 2608 San Pablo av, Berkeley, Cal.
Carr, Ryder & Adams Co., Dubuque, Ia.
Central Wood Turning Co., 610 Main N E, Minneapolis, Minn.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Cleveland Metal Products Co. ("New Perfection" Enamel Metal), 7609 Platt av & C & P tracks, Cleveland, O.
Columbia School Supply Co. (Enameled Steel), 326 W 17th, Indianapolis, Ind.
Concealo Fixture Co. ("Concealo"), 1349 E 12th, Oakland, Cal.
Coppes Bros. & Zook ("Nappanee"), Nappanee, Ind.
Economy Wall Fixture Co., 4274 S Main, Los Angeles, Cal.
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Faultless Iron Works ("The First" White Enameled Metal), St. Charles, Ill.
Huttig Mill Wk. Co., Kansas City, Mo.
Hoosier Mfg. Co. ("Hoosier"), New Castle, Ind.
I. X. L. Furniture Co., Goshen, Ind.
Jeffersonville Mfg. Co., Jeffersonville, Ind.
Kalamazoo Stove Co. (All Steel), Kalamazoo, Mich.
Land Dilks Co. ("Quaker Maid"), Richmond, Ind.
Landau Cabinet Co., 1545 Tower Grove, St. Louis, Mo.
McClelland T. W. Co., Davenport, Ia.
McClernan & Co. (Steel), 122 S Michigan av, Chicago, Ill.
McClure Mfg. Co., Marion, Ind.
Minneapolis Furniture Co., 6th av & S. E 9th, Minneapolis, Minn.
National Screen & Mfg. Co., 1456 Harrison av, Cincinnati, O.
Plastone Co., Los Angeles, Cal.
Powell Steel Kitchen Co., 4223 Belle Plaine av, Chicago, Ill.
Progress Woodworking Co., 2751 16th, San Francisco, Cal.
Sellers, G. I. & Son Co. ("Sellers"), Dept. H, Elwood, Ind.
Speigel Cabinet Co. (Kitchen), Dept. H, Shelbyville, Ind.
Union Furniture & Novelty Co., Warren, Pa.
Uphus A. J. ("Artkraft"), 2315 Western av, Seattle, Wash.
Vincennes Furniture Mfg. Co., Vincennes, Ind.
Wasmuth-Endicott Co., Andrews, Ind.

1759-60— Cabinets (Label)

Acheson Mfg. Co., Rankin, Pa.
See adv index at end of book
McCourt Label Cabinet Co., Bradford, Pa.

Cabinets (Letter Filing)

See Filing Cabinets & Devices

1761— Cabinets (Medicine)

Accident Cabinet Co. (Emergency Accident), Kalamazoo, Mich.
American Manufacturing Co., 5810 S Normandie, Los Angeles, Cal.
Behrend Jacob, 118 Allen, Phila., Pa.
Bennett Mfg. Co., Alden, N. Y.
Bernstein Mfg. Co., 3d & Allegheny, Philadelphia, Pa.
Boston Mirror Co., 129 Portland, Boston, Mass.
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Built-In Fixture Co. ("Peerless" Bathroom), 2608 San Pablo av, Berkeley, Cal.
Burrowes E. T. Co., 68 Free, Portland, Me.
Central Metal Products Co. ("C. M. P."), Canton, Ohio
Church C. F. Mfg. Co. ("White Pyralin"), Holyoke, Mass.
Conant Bros. Co. ("Sanoid" for Bathrooms), Somerville, Mass.
Concealo Fixture Co. ("Concealo"), 1349 E. 12th, Oakland, Cal.
Conrey-Davis Mfg. Co., Shelbyville, Ind.
Conroy-Prugh Co., 1430 Western av, Pittsburgh, Pa.
Corry-Jamestown Mfg. Corp. ("Steel-Age"), Corry, Pa.
Darby Edw. J. & Sons, 319 Vine, Phila., Pa. *See adv index at end of book*
Dexter Ironing Board Co., 1115 13th av, Oakland, Cal.
Donn Mfg. Co., 920 S 1st, San Jose, Cal
Dougherty H. D. & Co. ("Faultless"), 17th & Indiana av, Phila., Pa.
Economy Wall Fixture Co., 4274 S Main, Los Angeles, Cal.
Eustis J. P. Co. ("Brasscrafters"), Cambridge, Mass.
FAIRFACTS CO. INC. (Metal), 234-236 W 14th, New York
See adv index at end of book
FIRST AID EQUIPMENT & SUPPLY CO. (First Aid Kits), 1446 W Slauson av, Los Angeles, Cal.
See adv index at end of book
Galard Co. ("Omala" White), 335 6th av, Newark, N. J.
Geuder Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Graf Frank H. Mfg. Co., 282 9th av, New York
Heap, Wm. & Sons, Grand Haven, Mich.
Hess Warming & Ventilating Co. ("Hess" White Steel), 1211 S Western, Chicago, Ill.
Ideal Reversible Hinge & Cabinet Co. ("Ideal" Bath Room Wood), 108 Pine, St. Louis, Mo.
Johnson & Johnson (First Aid), New Brunswick, N. J.
Morgan Co. (Wood), Oshkosh, Wis.
National Mill & Lbr. Co. (Wood), 320 **Market, San Francisco, Cal.**
Nurre Mirror Plate Co. (All-Steel), Bloomington, Ind.
Parker Chas. Co., Dept. H, Meriden, Conn.
Pratt & Warner, 1635 Staunton av, Los Angeles, Cal.
Progress Woodworking Co., 2751 16th, San Francisco, Cal.
Romer Mfg. Co., 205 Diamond, Brooklyn, **N. Y.**
Safety Fire Extinguisher Co., 295 7th av, New York
Schwartz Section System (Chemical Laboratory, Drug, etc.), 311 N. Wilkins, Indianapolis, Ind.
Shwab Bros. Co. (Wood), 811 E 9th, New York
Sillcocks-Miller Co. ("Celluvarno"), South **Orange, N. J.**
Southern Fixture Co., 1220 E Slauson av, Los Angeles, Cal.
Standard Cabinet Mfg. Co. (Also Phono**graph, X-Ray & Automobile), Peru,** Ind.
Stephenson C. H. ("Stephenson"), Lynn, Mass.
Stokes Wm. A. & Co. (Wood), 50 Howard, New York
Theriot Fred J., 5124-6 Moneta av, Los Angeles, Cal.
Udell Works (Wood), Indianapolis, Ind.
Universal Cabinet Co., 1812 W Austin av, **Chicago, Ill.**
Uphus A. J. & Co. ("Artkraft"), 2315 Western av, Seattle, Wash.

1762— Cabinets (Music)

Art Metal Construction Co. (Steel), Jamestown, N. Y.
Art Novelty Co., Goshen, Ind.
Automatic File & Index Co., Green Bay, Wis.
Ballman Cabinet Co., Covington, Ky.
Beecher Falls Co., Beecher Falls, Vt.
Blue Bird Furniture Mfg. Co., 5607 Santa Fe av, Los Angeles, Cal.
Box Albert K., Pulaski, N. Y.
Brooks Furniture Mfg. Co., Rochester, N.Y.
Butler Mfg. Co., 721 N Clinton, Syracuse, N. Y.
Central Metal Products Co. ("C. M. P."), Canton, Ohio
Detroit Cabinet Co., 4810 Reopelle, Detroit, Mich.
Faribault Furniture Co., Faribault, Minn.
Globe-Wernicke Co. The, 25 Carthage av, Cincinnati, O.
See adv index at end of book
Grand Rapids Chair Co., Grand Rapids, Mich.
Grand Rapids Fancy Furniture Co., Grand Rapids, Mich.
Hermann H. Furniture Co., 527 W 34th, New York
Herzog Art Furniture Co., Saginaw, Mich.
Hoffer W. Furniture Co., Cohoes, N. Y.
Jamestown Cabinet Co., Jamestown, N. Y.
Lauter H. Co., W Wash. & Harding, Indianapolis, Ind.
Lindals Cabinet Co. (Music), Dept. H-8 E. 34th, New York
Mechanics' Furniture Co., Rockford, Ill.
Miller Cabinet Co., Rochester, N. Y.
New Farson Mfg. Co., Chester, Pa.
Northwestern Cabinet Co., Burlington, Ia.
Novelty Wood Works Co., Union City, Pa.
Peterson Art Furniture Co., Faribault, Minn.
Rockford Desk Co., Rockford, Ill.
Rockford Palace Furniture Co., Rockford, Ill.
Salter Mfg. Co., 339 N Oakley bl, Chicago Ill.
Sheboygan Novelty Co., Sheboygan, Wis.
Tonk Mfg. Co., 1912 Lewis, Chicago, Ill.
Udell Works, Indianapolis, Ind.
Union Furniture Co., Rockford, Ill.
Western Reserve Furniture Co., Warren, O.

1763— Cabinets (Oil)

American Oil Pump & Tank Co. ("American" Self-Measuring), Findlay & Dalton, Cincinnati, O.
Beman Automatic Oil Can Co. ("Beman" Automatic Curb Self-Measuring Gasolene Supply for Automobiles & Engines, etc), Meadville, Pa.
Bowser S. F. & Co., Fort Wayne, Ind.
Chapin R. E. Mfg. Works ("Eclipse"), Batavia, N. Y.
Kraft A. C., 323 W Lake, Chicago, Ill.
Lowe S. C. Supply Co., New Bedford, Mass.
Milwaukee Tank Works, Fratney & Becker, Milwaukee, Wis.
National Blow Pipe & Mfg. Co., 738 Dryades, New Orleans, La.
Union Draft Gear Co., 332 S. Michigan av, Chicago, Ill.

1764— Cabinets (Panel Board)

See also Telephone Cabinet Work

A. G. Mfg. Co., Seattle, Wash.
Adam Frank Electric Co. ("F-A"), 904 Pine, St. Louis, Mo.
Aurora Steel Products Co., Aurora, Ill.
Benjamin Electric Mfg. Co. ("Benjamin-Starret), 120 S Sangamon, Chicago, Ill.

The Index to Trades is the key to the vast stores of information in

HENDRICKS' COMMERCIAL REGISTER

Always Use It

Benjamin W. A. Electric Co., 1378 E 16th, Los Angeles, Cal.
Berry-Glosser Co., Marion, O.
Bissell F. Co. ("Security"), Toledo, O.
Bonnell, W. A., 192 Chambers, New York
Brown & Pengilly Inc., 2114 E 9th, Los Angeles, Cal.
Brady Electric Mfg. Co., New Britain, Conn.
Burns James F., 713 Cherry, Phila., Pa.
C. & P. Elec. Wks., 92 Hayden, Springfield, Mass.
Central Metal Products Co. ("C. M. P."), Canton, Ohio
Central States Steel Equipment Co. ("Central States" & "Better-Bilt"), Center & Allen, Joliet, Ill.
Chicago Switchboard Mfg. Co., 426 S Clinton, Chicago, Ill.
Cleveland Switchboard Co., 2925 E 79th, Cleveland, O.
Cole Metal Products Co., 330 E 23d, New **York**
Columbia Metal Box Co., 226 E 144th, New York
Commercial Switchboard Mfg. Co., 1433 Delaware, Denver, Colo.
Connecticut Electric Mfg. Co., Bridgeport, Conn.
Crouse-Hinds Co. (Steel; also Wood), Syracuse, N. Y.
Cutter, Geo. Co. ("Cutter's" Switch Box), South Bend, Ind.
Dahlstrom Metallic Door Co. (Metal), 413 Buffalo, Jamestown, N. Y.
See adv index at end of book
East Pico Sheet Metal Mfg. Co., 715 E Pico, Los Angeles, Ca.
Electric Apparatus Co., 704 N Halsted, Chicago, Ill.
Electrical Mfg. Co., 4149 E. 79th, Cleveland, O.
Federal Steel Products Co., 2 Av L, Newark, N. J.
Flint Elec. & Mfg. Co., 1402 Delgany, Denver, Colo.
Hamilton Sheet Metal Co., Hamilton, O.
Hart & Hegeman Mfg. Co. ("Lemanquais"), 342 Capital av, Hartford, Conn.
Hauer, J. B., 100 Bayard, Brooklyn, N. Y.
John H. H., 277 Minna, San Francisco, Cal.
Kuhhman Engrg. Co., Toledo, O.
Large-Dail Mfg. Co., 606 Cherry, Phila., Pa.
Leonard Electric Mfg. Co., 3907H Perkins av, Cleveland, O.
McDowell Mfg. Co. (The) (Millvale Sta.), Pittsburgh, Pa.
See adv index at end of book
Metropolitan Device Corp., 1250 Atlantic av, Brooklyn, N. Y.
Metropolitan Electric Mfg. Co., 14th, Long Island City, N. Y.
Metropolitan Elec. Mfg. Co., 524 1st, Seattle, Wash.
Milwaukee Vault & Cabinet Co., 521 Market, Milwaukee, Wis.
Mutual Electric & Machine Co. ("Bulldog"), 232 Fort, W, Detroit, Mich.
Ne Page McKenny Co., Armour bldg, Seattle, Wash.
Newgard Henry & Co. ("Newgard"), 549 Washington blvd, Chicago, Ill.
O. K. Metal Box Co., 198 Greenwich, New York.
Peterson Chas. J. & Co., 725 Fulton, Chicago, Ill.
Pringle Electrical Mfg. Co., 1906 N 6th, Phila., Pa.
Renim Specialty Co., Brighton, Boston, Mass.
Robb & Blackmer, 129 Pearl, Boston, Mass.
Safety Electric Products Co. Inc., 16th & Central av, Los Angeles, Cal.
Square, D., Co., 6060 Rivard, Detroit, Mich.
Schmidt A. R. Elec. Co., 262 E Water, Milwaukee, Wis.
Service Elec. & Mfg. Co., Minneapolis, Minn.
Square D. Co., 1411 Revard, Detroit, Mich.
Standard Mechanical Equipt. Co., Dallas, Tex.
Star Metal Box Co., 507 W 19th, New York.
Sterling Switchboard Co., Camden, N. J.
Tanner & Co., Wm. F., 511 S Sharp, Baltimore, Md.
Thomas & Betts Co., 63 Vesey, New York
Troy Electrical Co. (Metal), Troy, N. Y.
Trumbull Electric Mfg. Co., Plainville, Conn.
Trumbull-Vanderpoel Elec. Mfg. Co., Bantam, Conn.
United Sheet Metal Wks., San Francisco, Cal.
Wecso Supply Co., 7th & Clark av, St. Louis, Mo.
Wilson Co. A. B., 1051 Power bldg, Cleveland, O.
Worcester Elec. & Mfg. Co., 42 Lagrange, Worcester, Mass.
Wurdack Wm. Electric Mfg. Co., 21 11th, St. Louis, Mo.

1764a— Cabinets (Radio)

Am. Radio & Research Corp., 203 College av, Medford Hilliside, Mass.
Auth Electrical Specialty Co., 422 E 53d, New York
Baker-Hickman Co., 1460 W Anaheim, Long Beach, Cal.
Blandin Phonograph Co., 1600 Junction av, Racine, Wis.
Chicago Radio Laboratories ("Zenith"), 332 S Michigan av, Chicago, Ill. 5525 Sheriden rd, Chicago, Ill.
Crescent Radio Mfg. Co., 130 Lexington av, New York
Crosley Mfg. Co., Cincinnati, O.
Grebe A. H. & Co., Inc., 70 Van Wyck blvd, Jamaica, N. Y.
Howard Radio Co. Inc., 451-469 E Ohio, Chicago.
See adv index at end of book
Kilbourne & Clark Mfg. Co. ("K & C"), 101 Spokane, Seattle, Wash.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Mott Sand Blast Mfg. Co., 24 S Clinton, Chicago, Ill.
National Radio Co., Marshall, Minn.
Pangborn Corp., Hagerstown, Md.
Penn. Wireless Mfg. Co., New Castle, Pa.
Precision Equipment Co., B & O R R & Blue Rock N S, Cincinnati, O.
Quality Radio Shop, Richmond, Ind.
Signal Electric Mfg. Co., Menominee, Mo.
Wisconsin Radio Corp., Madison, Wis.
Wireless Improvement Co., 66 York, Jersey City, N. J.

1764b— Cabinets (Sand Blast)

KOVEN L O & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Sly W. W. Mfg. Co., 4720H Train av, Cleveland, O.

1765— Cabinets (Sewing)

Buchanan Cabinet Co., Buchanan, Mich.
Joerns Bros. Mfg. Co., Exposition bldg, St. Paul, Minn.
Kundtz, Theodor Co., Winslow & Elm, Cleveland, O.

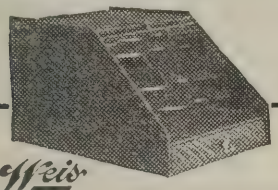
Reed Evan L. Mfg. Co., Tipton, Danville, Ill.
Stokes Mfg. Co., Montgomery, Pa.

1766— Cabinets (Spice)

Arcade Mfg. Co., Freeport, Ill.
Nichthauser & Levy, 252 Java, Brooklyn, N. Y.
Res Mfg. Co., 2907 Meinecke av, Milwaukee, Wis.
Richardi & Bechtold, Bellaire, Mich.
Sheip Henry H. Mfg. Co., Columbia av & 6th, Phila., Pa.

1766a— Cabinets (Stationery)

DURABILT STEEL LOCKER CO., Aurora, Ill.
See adv index at end of book
WEIS MFG. CO. THE, Monroe, Mich.
See adv index at end of book



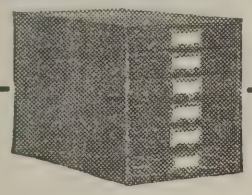
Weis

Stationery and Legal Blank Cabinets

Real time and stationery savers for any office. Stenographers who take pride in their work appreciate cabinets where stationery can be kept clean, neat and orderly. Made in Light Oak and Mahogany finishes, also in tar board covered with black binders' cloth. Lower illustration shows cabinet which can be used for storing stationery, carbon paper, legal blanks, electrotypes and many other office necessities.

Send for big, free catalog of Office Filing Equipment, Supplies and Sectional Bookcases and booklet, "Filing Suggestions."

The Weis Manufacturing Co.
132 Union Street, Monroe, Michigan
A. H. Denny, Inc., 52 Park Place, New York



1766b— Cabinets (Steel)

ALL-STEEL-EQUIP. CO., Aurora, Ill.
See adv index at end of book
Art Metal Products Co., 514 S Green, Chicago, Ill.
Aurora Steel Products Co., 3d, Aurora, Ill.
Berger Mfg. Co., 1038 Belden av N E, Canton, Ohio
Central Metal Products Co. ("C. M. P."), Canton, Ohio
Corry-Jamestown Mfg. Corp. ("Steel-Age"), Corry, Pa.
Darby Edw. J. & Sons, 319 Vine, Phila., Pa. *See adv index at end of book*
DURABILT STEEL LOCKER CO. (Universal in their application. Useful in the Office, the Shop, the Store, the School, the Home; Commodious, Convenient and Practical; Economical in the long run, preventing waste and loss of valuable materials. Built on the standard unit principle—all shelves and equipment interchangeable and adjustable. Full opening, double doors, permitting ready access to all contents; all parts adequately reinforced for strength and rigidity. For illustration see right hand cut in our advertisement adjacent to classification "Lockers, Steel." Send for Folder No. 5009), 560 Arnold av, Aurora, Ill.
See adv index at end of book
Hart & Hutchinson Co. ("Storall" Storage), New Britain, Conn.
Hirshman W. F. Inc., 197 Woodward, Buffalo, N. Y.
Holzer R. G. (Est of), 317 Burgundy, New Orleans, La.
Jefferis, Richard W. Co. ("Jefferis" Pressed Sliding Door), Camden, N. J.
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Louisiana Metal Cabinet Wks. (Electric), New Orleans, La.
LUPTON'S DAVID SONS CO., Allegheny av & Tulip, Phila., Pa.
See adv at Shelving Steel
Lyon Metallic Mfg. Co., Aurora, Ill.
Medart, Fred Mfg. Co., St. Louis, Mo.
Mills Co. (The) ("Factrequipment"), 5322 St. Clair av, Cleveland, O.
See adv index at end of book
Sharlow Bros. Co. (Film), 440 W 42nd, New York

1766c—Cabinets (Storage)

DURABILT STEEL LOCKER CO., Aurora, Ill.
See adv index at end of book
Globe-Wernicke Co. The (Steel), 25 Carthage av, Cincinnati, Ohio
See adv index at end of book

1766d—*Cabinets (Switchboard)

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Mansfield Electric Hardware Co., Mansfield, Ohio
Trumbull-Vanderpoel Elec. Mfg. Co., Bantam, Conn.

1767— Cabinets (Syrup)

Bishop & Babcock Co., 1254 E 55th, Cleveland, O.

1768— Cabinets (Talking Machine)

Auburn Mfg. Co., Auburn, Ind.
Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Federal Equipment Co., Carlisle, Pa.
Long Geo. A. Cabinet Co., Hanover, Pa.
New England Box Co., 104 E 42nd, New York *See adv index at end of book*
Passow & Sons, 2101 S. Allport, Chicago, Ill.
Sheip Henry H. Mfg. Co., Columbia av. & 6th, Phila., Pa.

Cabinets (Toilet Paper)

See Holders, Toilet Paper

1769— Cabinets (Tool)

Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
Central Metal Products Co. ("C. M. P."), Canton, Ohio
Central States Steel Equipment Co. ("Better-Bilt" & "Central States"), Center & Allen, Joliet, Ill.
Darby Edw. J. & Sons, 319 Vine, Phila., Pa. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Hirshman W. F. Inc., 197 Woodward, Buffalo, N. Y.
Lupton's David Sons Co., Allegheny av & Tulip, Phila., Pa.
See adv at Shelving Steel
New England Box Co., 104 East 42nd, New York *See adv index at end of book*
Sheip Henry H. Mfg. Co., Columbia av. & 6th, Phila., Pa.
Stanley Rule & Level Plant, New Britain, Conn.

1770— Cabinets (Tool, Steel)

ALL-STEEL EQUIP. CO., Aurora, Ill.
See adv index at end of book
Armstrong Bros. Tool Co., 339 N Francisco av, Chicago, Ill.
Aurora Steel Products Co., 3rd, Aurora, Ill.
Bernstein Mfg. Co., 3d & Allegheny, Philadelphia, Pa.
Cleveland Wire Spring Co., 1281 E. 38th, Cleveland, O.
Darby Edw. J. & Sons, 319 Vine, Phila., Pa. *See adv index at end of book*
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Dunham Thomas Co., Dept H, Aurora, Ill.
Hart & Hutchinson Co. ("H. & H."), Corbin av, New Britain, Conn.
Hirshman W. F. Inc., 197 Woodward, Buffalo, N. Y.
Koven L. O. & Co. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Lupton's David Sons Co., Allegheny av & Tulip, Phila., Pa.
See adv at Shelving Steel
Lyon Metallic Mfg. Co. ("Lyon"), Aurora, Ill.
Medart, Fred Mfg. Co., St. Louis, Mo.
Mills Co. (The) ("Factrequipment"), 5322 St. Clair av, Cleveland, O.
See adv index at end of book
Terrell's Equipment Co., Grand Rapids, Mich.

1771—Cabinets (Utility, Steel)

Aurora Steel Products Co., 3rd, Aurora, Ill.
Hart & Hutchinson Co. ("H. & H."), Corbin av, New Britain, Conn.
Lyon Metallic Mfg. Co. ("Lyon"), Aurora, Ill.

1771a— Cabinets (Wardrobe)

DURABILT STEEL LOCKER CO., Aurora, Ill.
See adv index at end of book

1772— Cabinets (Wood)

BOGERT & HOPPER, INC. (Card Index), 57 Barclay, New York
See adv index at end of book
Borroughs Additional Towel System ("Borroughs" Towel Cabinet), 28th & Filbert, Oakland, Cal.
Chicago Surgical & Elec. Co., 324 W Superior, Chicago, Ill.
Churchill Cabinet Co. (For Electrical Devices), 2119 Churchill, Chicago, Ill.
ESTES E. B. & SONS (Turned Wood, Hair Pin, Thread, Tool, Switchboard, etc), 364 5th av, New York
See adv index at end of book
Huttig Sash & Door Co., 1206 S. Vandeventer av, St. Louis, Mo.
Klamensi Clay Co., Equitable bldg, Wilmington, Del.
Marsh Stencil Machine Co. (Oak for Stencils), Belleville, Ill.
See adv index at end of book
New England Box Co., 104 E 42nd, New York *See adv index at end of book*
Nicoll & Co., 190-198 Hooper, San Francisco, Cal.

(Continued on following page)

An Important Feature of

HENDRICKS' COMMERCIAL REGISTER

Is the Index to Trades in which every item is listed and cross-indexed, making this the most easily used book. Always consult the Index to Trades when in search of information.

Cabinets (Wood)—Continued

Sheip Henry H. Mfg. Co., Columbia av & 6th, Phila., Pa.
Stiles H. A. & Co. (Radio), 166-174 Portland, Boston, Mass.
See adv index at end of book
Teepe J. Chas. Inc., Mott & Vernon aves, Long Island City, N. Y.
Uphus A. J. & Co. ("Artkraft"), 2315 Western av, Seattle, Wash.

Cabinets & Filing Cases (Metallic)

See Filing Cabinets & Devices, with the words Metallic or Steel following firm names

1773-4— Cable (Ignition)

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Belden Mfg. Co., 2316 S. Western, Chicago, Ill.
Boston Insulated Wire & Cable Co. ("Double Ridge" plain rubber, "B. I. W."), 65 Bay, Boston, Mass.
Empire Tire & Rubber Corp. ("Empire," "Ideal"), Trenton, N. J.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Indiana Rubber & Insulated Wire Co., P. O. Box 192, Jonesboro, Ind.
Mosler A. R. & Co., Mt. Vernon, N. Y
Okonite Co., Passaic, N. J.
Otter Mfg. Co. Inc., 62 9th av, New York
Packard Electric Co., Warren, O.
Post & Lester Co., 112 Allyn, Hartford, Conn.
Roeblings John & Sons Co., Trenton, N. J.
See adv index at end of book
Safety Insulated Wire & Cable Co., 114 Liberty, New York
Splitdorf Electrical Co., 98 Warren, Newark, N. J.
Standard Underground Cable Co., Westinghouse Bldg., Pittsburgh, Pa.
STAPLES & PFEIFFER, 102 Stewart, San Francisco, Cal.
Whitney Blake Co., Dixwell & Treadwell, New Haven, Conn.

1775— Cable (Portable)

U. S. Rubber Co., 1790 Broadway, New York
See adv index at end of book

Cable Railways

See Wire Rope Tramways

Cables (Armored)

See Conductors, Armored

1776— Cables (Copper, Electric)

AMERICAN BRASS CO. (Transmission), Waterbury, Conn.
For branch offices see adv index at end of book
American Electrical Wks. ("Amelectric"), Phillipsdale, R. I.
National Conduit & Cable Co., 41H Park row, New York
Roebling's John & Sons Co., Trenton, N. J.
See adv index at end of book
ROME WIRE CO. ("Super-Service"), Rome, N. Y. *See adv index at end of book*
St. Louis Lighting Rod Co., De Kalb & Trudeau, St. Louis, Mo.
Standard Underground Cable Co., 17th & Pike, Pittsburgh, Pa.

1777— Cables (Drilling, Manila)

See also Rope, Manila; Rope, Wire

Ajax Rope Co. Inc., 149 B'way, New York
Columbian Rope Co., 3050 Genesee, Auburn, N. Y.
Wall Rope Works, Inc., 48 South, New York

1777a—Cables (Interior Telephone)

American Electrical Wks. ("Amelectric"), Phillipsdale, R. I.
Habirshaw Electric Cable Co. ("Habirshaw"), 10 E 43rd, New York
Kerite Insulated Wire & Cable Co., Inc., 30 Church, New York
STROMBERG CARLSON TELEPHONE MFG. CO., 1050 University av, Rochester, N. Y.
Whitney Blake Co., Dixwell & Treadwell, New Haven, Conn.

1777b—*Cables (Launch Steering)

ROEBLING'S JOHN A. SONS CO., Main office: Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book

1778—Cables (Mining Machine)

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Boston Insulated Wire & Cable Co. ("B. I. W."), 65 Bay, Boston, Mass.
Roebling's John & Sons Co., Trenton, N. J.
See adv index at end of book
ROME WIRE CO. ("Super-Service"), Rome, N. Y.
See adv index at end of book
Standard Underground Cable Co., 17th & Pike, Pittsburgh, Pa.

1778a— Cables (Parkway)

Hazard Mfg. Co., 81H E. Ross, Wilkes-
Standard Underground Cable Co., 17th & Pike, Pittsburgh, Pa.

Cables (Rubber Covered)

See Wire, Rubber Covered

1779—Cables (Submarine, Underground & Lead Encased)

See also Wire, Insulated

American Electrical Works, Phillipsdale, R. I.
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Atlantic Insulated Wire & Cable Co., Stamford, Conn.
Bay State Insulated Wire & Cable Co., Hyde Park, Mass.
Bishop Gutta-Percha Co., 420 E 25th, New York
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Goodrich B. F. Co., Akron, O.
Habirshaw Elec. Cable Co., 10 E 43rd, New York
Hazard Mfg. Co., Wilkes-Barre, Pa.
Indiana Rubber & Insulated Wire Co. ("Paranite"), P. O. Box 192, Jonesboro, Ind.
Kerite Insulated Wire & Cable Co. ("Kerite"), 30 Church, New York
Marburg Brothers Inc. (Imported Aluminum), 90 West, New York
National Conduit & Cable Co., 41 Park row, New York
National India Rubber Co., Bristol, R. I.
N. Y. Insld. Wire Co., 84 State, Boston, Mass.
Okonite Co, Passaic, N. J.
ROEBLING'S JOHN A. SONS CO. Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book
Rome Wire Co., Rome, N. Y.
See adv index at end of book
Safety Insulated Wire & Cable Co., 114 Liberty, New York
Simplex Wire & Cable Co., 201 Devonshire, Boston, Mass.
STANDARD UNDERGROUND CABLE CO. (Paper Varnished Cambric, Rubber & Fibre Insulated), 17th & Pike, Pittsburgh, Pa.
Western Electric Co., 463 West, New York

1780—*Cables (Suspension Bridge)

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
ROEBLING'S JOHN A. SONS CO. Main Office, Trenton, N. J. Works, Trenton & Roebling, N. J.
See adv index at end of book

Cables (Weatherproof)

See Wire, Weatherproof

Cableways (Aerial)

See Wire Rope Tramways

1781— Cableways (Concrete Handling)

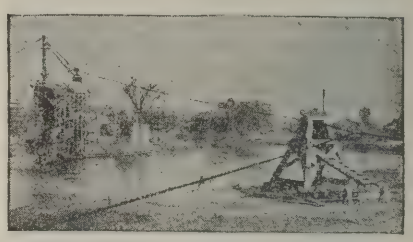
Allen Engineering Co., 14 N. 55th, Phila., Pa.
Blaw-Knox, 636 Farmers Bank bldg, Pittsburgh, Pa.
FLORY S. MFG. CO., Bangor, Pa.
See adv index at end of book
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
Link-Belt Company, 300 W. 39th, Chicago, Ill. *See adv index at end of book*
Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book

1782—*Cableways (Contractors')

LIDGERWOOD MFG. CO., 96 Liberty, New York
See adv index at end of book
Meyer, Henry H. Co. (Dirs), 110 S. Howard, Baltimore, Md.
See adv index at end of book
MUNDY J. S. HOISTING ENGINE CO., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book

1783—*Cableways (Drag Line)

LIDGERWOOD MFG. CO., 96 Liberty, New York
See adv index at end of book
LINK-BELT CO., 300 W Pershing rd, Chicago
See adv index at end of book
Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book
Sauerman Bros. (Excavator), 438 S Clinton, Chicago, Ill.
See adv index at end of book



Sauerman Slackline Cableway

will span an area of 1000 ft., dig to a depth of 100 ft., and convey material direct to cars, piles or loading hopper in one operation under control of one man. Widely used for excavating and cleaning out reservoirs, for handling sand and gravel from wet or dry pits, etc.

Write for Pamphlet No. 22

SAUERMAN BROS.

458 South Clinton Street Chicago

1784—*Cableways (Logging)

CLYDE IRON WORKS SALES CO., Duluth, Minn.
See adv index at end of book
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book

1785—*Cableways (Sewer & Trench Excavating)

See also Wire Rope Tramways

Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book
Treadwell Engineering Co., Easton, Pa.
See adv index at end of book

Cableways (Wire Rope)

See Wire Rope Tramways

1786— Cadgers (Mining)

GEM MFG. CO. ("Gem" Steel, for Miners' Oil Reserve Supply), Goebel nr Fulton, N S, Pittsburgh, Pa.
See adv index at end of book

1787— Cadmium

American Smelting & Refining Co., 120 B'way, New York
Drakenfeld B. F. & Co. Inc., 50 Murray, New York
Eimer & Amend (Impt.), 205 E 18th, New York
Grasselli Chemical Co. (Pure in Sticks & Cadimium Sulphide), Guardian bldg, Cleveland, O.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Krebs Pigment & Chemical Co. (Sulphide), Newport, Del.
McKesson & Robbins (Imp), 91 Fulton, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merchant & Evans Co., Washington av & 21st, Philadelphia, Pa.
NEW JERSEY ZINC SALES CO. THE (In sticks and slabs, 99.9% Cadmium; also Cadmium Oxide), 158 Front, New York
See adv index at end of book
Philipp Bros., Inc., 33 Broadway, New York
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila. Pa.
U. S. Smelting, Refining & Mining Co. ("U. S. S. Co."), 120 Broadway, New York
U. S. Zinc Co., Pueblo, Colo.
Wiarda John C. & Co. (Sulphide), 273 Greene, Brooklyn, N. Y.

1787a— Cadmium Bromide

Cooper Chas. & Co., 194 Worth, New York
Dow Chemical Co., Midland, Mich.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

1787b— Cadmium Chloride

Cooper Chas. & Co., 194 Worth, New York
Dissosway Chemical Co. Inc. (C. P.), 55-63 Eckford, Brooklyn, N. Y.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
RIDDLE CHEMICAL CO. INC., 35 S Dearborn, Chicago
See adv index at end of book

1787c— Cadmium Iodide

Cooper Chas. & Co., 194 Worth, New York
Mallinckrodt Chemical Wks., 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
New York Quinine & Chemical Wks., 135 William, New York
Squibb E. R. & Sons, 23 Vine, Brooklyn, N. Y.

1787d— Cadmium Nitrate

Dissosway Chemical Co. Inc. (C. P.), 55-63 Eckford, Brooklyn, N. Y.
Ill. Smelting & Refining Co., 410 Peoria, Chicago, Ill.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

1787e— Cadmium Salts

Hachmeister-Lind Chemical Co., Pittsburgh, Pa.
Powers-Weightman-Rosengarten Co., 916 Parrish, Philadelphia, Pa.

1787f— Cadmium Sulphate

Cooper Chas. & Co., 194 Worth, New York
Dissosway Chemical Co. Inc. (C. P.), 55-63 Eckford, Brooklyn, N. Y.
Drakenfeld B. F. & Co., Inc., 50 Murray, New York
Grasselli Chemical Co., Guardian bldg., Cleveland, O.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Squibb E. R. & Sons, 23 Vine, Brooklyn, N. Y.

1787g— Cadmium Sulphide

Drakenfeld B. F. & Co., Inc., 50 Murray, New York
Hachmeister-Lind Chemical Co., Pittsburgh, Pa.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Strensen-Reuter & Hancock, Inc., 122 S Michigan av, Chicago, Ill.
Vitro Mfg. Co., H Bessemer bldg., Pittsburgh, Pa.
Wiarda John C. & Co., 273 Green, Brooklyn, N. Y.

1788— Caffeine

Dissosway Chemical Co. Inc. (U. S. P. Citrated & Hydrobromide), 55-63 Eckford, Brooklyn, N. Y.
Mallinckrodt Chemical Wks., 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park pl, New York
Monsanto Chemical Works (East St. Louis Plant), St. Louis, Mo.
Powers-Weightman-Rosengarten Co. (Citrated), 916H Parrish, Phila., Pa.
Riddle Chemical Co. Inc., 35 S Dearborn, Chicago
See adv index at end of book

1788a— Cages (Bank)

Art Metal Construction Co. (Steel & Bronze), Jamestown, N. Y.
Badger Wire & Iron Works (Wire), 25th av & Cleveland, Milwaukee, Wis.
Dow Co., 201H N. Buchanan, Louisville, Ky.
Dufur & Co., 311 N. Howard, Baltimore, Md.
Estey Bros. Co. (Wire), 1006 Metropolitan av, Brooklyn, N. Y.
Hermann Safe Co., 216-24 Fremont, San Francisco, Cal.
New York Quinine & Chemical Works (Alkaloid & Citrated), 135 William, New York
Van Dorn Iron Works Co. (The), 2700 E 79th, Cleveland, Ohio
See adv index at end of book
West Coast Wire & Iron Works, 861 Howard, San Francisco, Cal.
Wrobbel-Maine Co. The, 3106 E 63rd, Cleveland, Ohio

1789— Cages (Batting)

Spalding A. G. & Bros., 105 Nassau, New York

1790—Cages (Bird, Animal, Etc.)

Burlington Willow Ware Shop (Basket), Burlington, Iowa
Gray Peter & Sons, Inc. (Animal), 286 3d, East Cambridge, Mass.
Heinz & Munschauer (Bird, Squirrel, etc), 20 Superior, Buffalo, N. Y.
Hendryx, A. B. Co. (Bird, Parrot, Squirrel), 36 Audobon, New Haven, Conn.
See adv index at end of book


"HENDRYX"
BIRD CAGES
are used for most all the pet birds
Brass, Tinned, Japanned
Over 200 Styles
The A. B. Hendryx Company
New Haven, Conn.

Lindemann O. & Co. (Bird, Mouse, Parrot, Squirrel), 35 Wooster, New York
Mas-Art Basket Works Inc. (Reed), 2001 E. 14th, Oakland, Cal.
Maxwell's John Son (Bird, Parrot, Squirrel), 259 Pearl, New York
Page Steel & Wire Co. (Bear, Bird, Monkey), Adrian, Mich.
Phillips & Buttorff Mfg. Co. (Squirrel), Nashville, Tenn.
Portage Iron & Wire Co. (Animal), 1131 Johnston, Akron, O.
Reed Evan L. Mfg. Co. (Bird), Tipton, Danville, Ill.

1791— Cages (Mine)

See also Skips, Mine

Allis-Chalmers Mfg. Co. (Hoist & Skip), Milwaukee, Wis.
See adv index at end of book
Atlas Car & Mfg. Co., Cleveland, O.
See adv index at end of book
Bartlett A. F. & Co., Saginaw, Mich.
Bethlehem Shipbuilding Corp. Ltd., 20th Michigan, San Francisco, Cal.
Box William A. Iron Wks. Co., 3309 Blake, Denver, Col.
Connellsville Machine & Car Supply Co., Connellsville, Pa.
Connellsville Mfg. & Mine Supply Co., Connellsville, Pa.
Denver Engineering Works Co., Denver, Colo.
Diamond Machine Co., Monongahela, Pa.
Dillon Box Iron Works Co., Denver, Colo.
Duncan Foundry & Machine Works (Self-Dumping & Plain), Alton, Ill.
Eagle Iron Works ("Olsen's" Self-Dumping), Des Moines, Ia.
Egyptian Iron Wks., Murphysboro, Ill.
Ellison Wm. & Sons Mfg. Co., St. Louis, Mo.
Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.
Herzler & Henninger Machine Works (Automatic & Plain), Belleville, Ill.
Holmes, Robert & Bros., Danville, Ill.
Johnson, G. M. Mfg. Co., Jeanette, Pa.
Kilbourne & Jacobs Mfg. Co. (Steel), Columbus, O.
Lake Shore Engine Works, Marquette, Mich.
Litchfield Fdry. & Machine Co. (Self-Dumping & Ordinary), Litchfield, Ill.
Lucas A. & Sons (Self-Dumping), 1329 S Washington, Peoria, Ill.
Marion Machine, Foundry & Supply Co. (Automatic), Marion, Ind.
Milholland J. & J. B. Co., 714 5th av, Pittsburgh, Pa.
Mine & Smelter Supply Co., 42 B'way, New York
National Iron Co., Duluth, Minn.
Ottumwa Box Car Loader Co. (Self-Dumping & Standard), Ottumwa, Ia.
Ottumwa Iron Works, Ottumwa, Ia.
Salt Lake Iron & Steel Co., Salt Lake City, Utah
South Side Fdry. & Mach. Wks., Charleston, W. Va.
Stine S. B. (Automatic), Osceola Mills, Pa.
Traylor Engng. & Mfg. Co., Allentown, Pa.
Union Iron Works, Spokane, Wash.
Union Iron Works, Hoboken, N. J.
United Iron Works Co., Inc., Kansas City, Mo.
Vulcan Iron Works Co., 1400 W Colfax, Denver, Col.
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, O.
What Cheer Tool Co. ("Walker" Automatic Reversible), What Cheer, Ia.

Cages (Squirrel)

See Cages, Bird, Animal, etc.

1792— Caisson Foundations

See also Bridge Foundations

Booth & Flinn Ltd., 1942 Forbes, Pittsburgh, Pa.
Cullen-Friestedt Co., 1308 S Kilbourne av, Chicago, Ill.
Foundation Co. (Engineers & Contractors, Pneumatic, etc.), 120 Liberty, New York
Gahagan Walter H., 147 Remsen, Brooklyn, N. Y.
Great Lakes Dredge & Dock Co., 104 S Michigan av, Chicago, Ill.
Houston C. B. & Co., Iron Liberty bldg, Phila., Pa.
McMullen Arthur Co., 50H Church, New York
McMurray J. W. Conte Co., Railway Exch., Kansas City, Mo.
Missouri Valley Bridge & Iron Co. (A. J. Tullock, Prop.), Leavenworth, Kan.
O'Rourke Engineering Construction Co., 17 Battery pl, New York
Simplex Foundation Co., State & VanKirk, Phila., Pa.
Steers Henry, 17 Battery pl, New York

1793— Caissons (Cast Iron)

BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Builders' Iron Foundry, 9 Codding, Providence, R. I.

1794— Caissons (Sheet Steel)

Bethlehem Steel Co., Bethlehem, Pa.
Coatesville Boiler Works (Steel), 111 S 15th, Philadelphia, Pa.
Columbiana Boiler Co., Columbiana, O.
DOVER BOILER WORKS, Sales Office, 49 Church, New York. Works: Dover, N. J. *See adv index at end of book*
East Jersey Pipe Corp., Paterson, N. J.
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Heltzel Steel Form & Iron Co. (The), Warren, Ohio
See adv index at end of book
Kellogg M. W. Co. (Welded), 90 West, New York *See adv index at end of book*
Leslie, Elliott & Co., Paterson, N. J.
McNamara Bros. Co., Westport, Baltimore, Md.
Manitowoc Engineering Works, Manitowoc, Wis.
Petroleum Works Co. of Ohio, Sharon, Pa.
See adv index at end of book
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg., Pittsburgh, Pa.
See adv index at end of book
Pollock Wm. B. Co., Youngstown, O.
Reeves Bros. Co., The, Alliance, O.
See adv index at end of book
Riter-Conley Co., Oliver bldg, Pittsburgh, Pa.
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
Smith Samuel & Son Co., Paterson, N. J.
Tippett & Wood, Phillipsburg, N. J.
Treadwell Construction Co., Midland, Pa.
Union Iron Works, Hoboken, N. J.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

The Index to Trades is the key to the vast stores of information in
HENDRICKS COMMERCIAL REGISTER
Always Use It

1795— Calcimines

FOX M. EWING CO. ("Muralite" & "Calcitine"), 241 E 136th, New York
Schrader, Whittick & Co. (Hot Water Finish), 1318 Clybourne av, Chicago, Ill.

1795a-b— Calcining Systems

Christie L. R. Co. 501 Peoples Bk. bldg, Pittsburgh, Pa.
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
SCHAFFER POIDOMETER CO., FORMERLY SCHAFFER ENGINEERING & EQUIPMENT CO. (Continuous Process), 2828 Smallman, Pittsburgh, Pa.
See adv index at end of book

1795c— Calcium Arsenate

Riches, River & Co., 30 Church, New York

1795d— Calcium Bromide

Dow Chemical Co., Midland, Mich.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.

UNION CARBIDE

Standard throughout the world for more than a quarter century
Keeps indefinitely if protected from air and moisture
Highest gas yield—Greatest gas value—Purest gas

FOR: Lighting, cooking, ironing, Oxy-acetylene welding and cuting, miner's lamps, light-houses and buoys, automobile and boat lighting, searchlights, bicycle and motorcycle lights, etc., etc.

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The Union Carbide Blue and Gray Drum is recognized through out the world, as a symbol denoting best grade Carbide, highest gas value, uniform dependable quality and purest gas.

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1796— Calcium Carbide

Air Reduction Sales Co., 342 Madison av, New York
American Carbolite Co. ("Carbolite"), Duluth, Minn.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Shawinigan Products Corp., 110 William, New York
UNION CARBIDE SALES CO., 30 E 42nd, New York
See adv index at end of book

1797—Calcium Carbide Briquettes

Carbic Mfg. Co. ("Carbic"), Duluth, Minn

1798— Calcium Carbonate

Anaconda Copper Mining Co., 25 B'way, New York
Chinn Mineral Co., Harrodsburg, Ky.
El Dorado Lime & Minerals Co., 442 Sansome, San Francisco, Cal.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Vitro Mfg. Co. (Calcspar), H Bessemer bldg., Pittsburgh, Pa.

Calcium Chloride

See Chloride of Calcium

1799— Calcium Cyanamid

American Cyanamid Co., 511 5th av, New York

1799a— Calcium Fluoride

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

1799b—Calcium Glycerophosphate

Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Monsanto Chemical Wks., St. Louis, Mo.

1799c— Calcium Hypochlorite

Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Hunnell & Co. Inc., 136 Liberty, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

1799d— Calcium Hypophosphite

Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park pl., New York

1799e—Calcium Magnesium Chloride

Dow Chemical Co. (65% Granulated), Midland, Mich.
Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Hachmeister-Lind Chemical Co., Pittsburgh, Pa.
Mailliard & Schmiedell (Mfrs. Agts.), 203 California, San Francisco, Cal.

1799f— Calcium Oxide

American Lime & Stone Co., Tyrone, Pa.
Ash Grove Lime & Cement Co., Grand av., Temple, Kansas City, Mo.
Glencoe Lime & Cement Co., Syndicate Trust bldg., St. Louis, Mo.
Kelley Island Lime & Transport Co., Leaders-News bldg., Cleveland, O.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Rockland & Rockport Lime Co., 101 Park av., New York
Scheel Wm. H., 179 Water, New York
See adv index at end of book
Scioto Lime & Stone Co., Delaware, O.
White Marble Lime Co., Manistique, Mich.

1799g— Calcium Permanganate

Carus Chemical Products Co., La Salle, Ill.

1799h— Calcium Peroxide

Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book

1799i— Calcium Resinate

Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Hachmeister-Lind Chemical Co., Pittsburgh, Pa.
National Oil Products Co., Harrison, N. J.
Scheel Wm. H., 179 Water, New York
See adv index at end of book

1799j— Calcium Stearate

Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Hachmeister-Lind Chemical Co., Pittsburgh, Pa.
Meyer J. & Sons, Philadelphia, Pa.
National Oil Products Co., Harrison, N. J.
Sloan & Russell, Inc., 198 B'way, New York

1799k— Calcium Sulphate

Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Riverside Acid Works, Warren, Pa.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

1799l— Calcium Sulphide

Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

1800— Calcium Sulphite

Beggs E. J. & Co., 92 William, New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

1800a— Calcspar

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

1800b—Calendars (Advertising)

Baker Advertising Co., 417 Central blk, Pueblo, Col.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Moore J. M. 435 Peyton blk, Spokane, Wash.
National Art Works ("Brass Etch Daily Wall Calendars), Covington, Ky.
Osborne Co., 759H Sumner av, Newark, N. J.
Riverside Printing Co., 300 Hanover, Milwaukee, Wis.
Rose Co., 22nd & Arch, Phila., Pa.
Stone Printing & Mfg. Co., Roanoke, Va.

Caldrons

See Kettles, Caldron

1801— Calendars (Desk)

Baumgarth John Co. (Mfrs.), 1219 W Wash. blvd, Chicago, Ill.
Brown, Wm. Embossing Co. (Embossed Special Only), B'way & Elm, St. Louis, Mo.
Dale Robert Co. ("Big Chief Desk Secretary"), 257 S Spring, Los Angeles, Cal.
Etching Company of America, 1520H Montana, Chicago, Ill.
Feigenspan C. & Co., 212 E Pearl, Cincinnati, O.
Grammes L. F. & Sons, 311 Union, Allentown, Pa.
See adv index at end of book
Ideal Specialties Mfg. Corp. ("Up-To-Date"), 552 Pearl, New York
International Ticket Co., 50H Grafton av, Newark, N. J.
Knapp Co., 52 E 19th, New York
Myers Elwood Co. (Advertising), Springfield, O.
National Art Works (Daily & Monthly), Covington, Ky.
Ohio Printing & Publishing Co., Massillon, O.
Parrott Matt & Sons Co. (Perpetual Daily Date), Waterloo, Iowa
Schimper William & Co., 322-338 Ferry, Hoboken, N. J.

1802— Calibrators (Meter)

Sangamon Electric Co., Springfield, Ill.

Calipers (Beam)

See Calipers & Dividers, Spring

1803— *Calipers (Firm Joint)

Goodell-Pratt Co., Greenfield, Mass.
Starrett L. S. Co., Athol, Mass.

1803a—*Calipers (Indicating)

Indicating Calipers Corp. ("Indicating"), 506 E 19th, New York
See adv index at end of book


Manufacturers of
INDICATING CALIPERS
For the use of Machinists, Tool, Pattern and Model Makers, Stock Clerks, Curators.
Inquire of your dealer or write us for complete folder.
INDICATING CALIPERS CORP.
506 East 19th Street New York

1804— Calipers (Log)

Keuffel & Esser Co., Hoboken, N. J.
Lufkin Rule Co., Saginaw, Mich.

Calipers (Micrometer)

See Gauges, Micrometer

1805— Calipers (Vernier)

Brown & Sharpe Mfg. Co., Providence, R. I.
Johnson, E. P. Rule Mfg. Co., 565 Washington blvd, Chicago, Ill.
Marburg Bros., 90 West, New York
Snellex Mfg. Co., Dept. H, Rochester, N. Y.
Starrett L. S. Co., Athol, Mass.

Calipers (Winged)

See Dividers, Wing & Extension; also Calipers & Dividers

1806—Calipers & Dividers (Spring)

See also Gauges, Dividers, Wing & Extension; also Rules, Caliper; also Squares, Caliper; also Micrometers; also Spherometers
Athol Mach. & Foundry Co. ("Premier" & A. M. C."), Athol, Mass.
Bernz Otto Co. Inc. (Double; Inside & Outside; Wing), 17 Ashland, Newark, N. J.
See adv index at end of book
Brown & Sharpe Mfg. Co., Providence, R. I.
Chapin-Stephens Co., Pine Meadow, Conn.
Goodell-Pratt Co., Greenfield, Mass.
Indicating Calipers Corp., 506 E 19th, New York
See adv index at end of book
Kraeuter & Co. (Register, Outside, Navy, etc), 583 18th av, Newark, N. J.
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Lufkin Rule Co., Saginaw, Mich.
Sandow Tool Co., 396 W B'way, New York
Sawyer Tool Mfg. Co., Ashburnham, Mass.
Smith H. B. Machine Co. (Chisel, for Hand Turning), Smithville, N. J.
Starrett L. S. Co. ("Fay" & "Yankee"), Athol, Mass.
Union Tool Co., Orange, Mass.

1807— Calks (Boot)

North & Pfeiffer Mfg. Co. ("Pfeiffer" Wing Screw), 81 Laurel, Hartford, Conn.
Lufkin Rule Co. (Lumbermen's, etc), Saginaw, Mich.

1807a— Calks (Drive)

Diamond Calk Horse Shoe Co. ("Diamond"), Duluth, Minn.
Giant Grip Horse Shoe Co. ("Giant Grip"), Oshkosh, Wis.
Green Bay Drive Calk Co., Green Bay, Wis.
Neverslip Works, The ("Red Tip" "Neverslip"), New Brunswick, N. J.
Rowe Calk Co., Plantsville, Conn.
Williams Drop Forging Co. ("Anchor"), Scranton, Pa.

1807b—Calks (Screw, Removable)

Neverslip Works, The ("Red Tip" "Neverslip"), New Brunswick, N. J.
Reynolds James Mfg. Co. ("Acme," "Wont Slip"), 99 Mill River, New Haven, Conn.
Rowe Calk & Chain Co. ("Rowe"), Plantsville, Conn.
Williams Drop Forging Co. ("Black Diamond"), Scranton, Pa.

Calks (Toe, Horseshoe)

See Toe Calks, Steel

1808— Calls (Duck & Crow)

Allen Fred A. Sportsman's Specialty Co. (Wood Shell), Monmouth, Ill.
Ditto Charles H. ("Ditto"), Keithsburg, Ill.

1809— Calomel

Mallinckrodt Chemical Wks., 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Pfizer Charles & Co., 81 Maiden la, New York
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Riddle Chemical Co. Inc., 35 S Dearborn, Chicago
See adv index at end of book

1810-11— Calorimeters

American Meter Co. (Improved "Junkers") 17th & Clearfield, Phila., Pa.
American Schaeffer & Budenberg Corp. ("Carpenter" Steam Throttling & Separation), Berry & S 5th, Brooklyn, N. Y. *See adv index at end of book*
Braun-Knecht-Heimann Co. (Pair), 576-584 Mission, San Francisco, Cal.
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
Cutler-Hammer Mfg. Co. (Gas & Electrically operated), 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
Elmer & Amend ("Parr" Campbell-Hurley" "Emerson"), 205 3rd av, New York
Ellison Lewis M. ("Ellison" Throttling-Evaporating), 214 W Kinzie, Chicago, Ill.
Emerson Apparatus Co., 171 Tremont, Melrose, Mass.
Lexington Instrument Works ("Smith" Recording Gas), Lexington, Richland Co., Ohio
Precision Scientific Co. ("Sargent" Automatic Gas Colorimeter, also Fuel), 820-822 S Tripp av, Chicago, Ill.
Sarco Co., Inc. ("Sarco"), 14 Park pl., New York
SMITH GAS ENGINEERING CO. ("Smith" Recording Gas), Dayton, Ohio
See adv index at end of book
Standard Calorimeter Co. ("Parr"), East Moline, Ill.
Star Brass Mfg. Co., 53 Oliver, Boston, Mass.
Superior Meter Co., 167 41st, Brooklyn, N. Y.
Thwing Instrument Co. (Electrical, Gas, Recording & Indicating), 3339 Lancaster av, Phila., Pa.

1812— Camera Obscuras

Elmer & Amend (also Impt.), 205 E 18th, New York

1813— Cameras

Ansco Co., Binghamton, N. Y
Bauer Max, Jersey City, N. J.
Bell & Howell Co. ("Standard" Moving Picture), 1801 Larchmont av, Chicago, Ill.
Benson Dry Plate & Camera Co. (Ferrotype & Postal Card), 21 Delanay, New York
Chicago Ferrotype Co. ("Mandelette," One Minute), 624 N Oakley, Chicago, Ill.
Conley Camera Co., Rochester, Minn.
Cruver-Peters Co. ("Palko"), 817H Washington blvd, Chicago, Ill.
Daydark Specialty Co., 2823 Benton, St. Louis, Mo.
Eastman Kodak Co. ("Graflex," "Premo" "Kodak," "Brownie"), Rochester, N. Y
Elmer & Amend ("Lucas"), 205 E 18th, New York
Gennert G., 24 E 13th, New York
Goerz C. P., American Optical Co., 317 E 34th, New York
Gundlach Manhattan Optical Co. ("Korona"), Rochester, N. Y.
Mitchell Camera Co. (Motion Picture), 6025 Santa Monica, Los Angeles, Cal.
Mountford Mfg. Works, Dumont, N. J.
Movette, Inc. ("Movette"), 295 State, Rochester, N. Y.
Peerless Mfg. Co., Norwalk, Conn.
Seneca Camera Mfg. Co., Rochester, N. Y.
Sinemat Motion Picture & Radio Machine Co. (Motion Picture Machines Only, "Sinemat"), 324 Av A, New York
Universal Camera Co. (Motion Picture), 718 Curtis, Chicago, Ill.
Wing S. & Co., Charleston, Boston, Mass.
Woodbury & Co. (Aerial), Chadwick sq, Worcester, Mass.

1813a— Cameras (Motion Pictures)

Bell & Howell Co. ("Standard"), 1801 Larchmont av, Chicago, Ill.
Burke & James Co., 525 S Wabash, Chicago, Ill.
Eastman Kodak Co., 343 State, Rochester, N. Y.
Gennert G. (Imp.), 24 E 13th, New York
Mitchell Camera Co., 6025 Santa Monica blvd., Los Angeles, Cal.
Movette, Inc. ("Movette"), 295 State, Rochester, N. Y.
Power Nicholas Co. (Imp.), 90 Gold, New York
Universal Camera Co., 240 E. Ontario, Chicago, Ill.

1814—Camp Cooking Outfits & Stoves

Aluminum Goods Mfg. Co., Manitowoc, Wis.
Bashford H. R. Co., 180 New Montgomery, San Francisco, Cal.
Boyle Mfg. Co. ("Boyco"), 51st & Santa Fe av, Los Angeles, Cal.
Combination Folding Camp Stove Co. Inc. ("Overland" also ovens), 634 S Mateo, Los Angeles, Cal.
Gold Medal Camp Furniture Mfg Co., Racine, Wis.
Hydro-Carbon Light Co. ("Camp Mate"), 2404 First av, Seattle, Wash.
Kittle Mfg. Co. ("Besgrade"), 643 Santa Fe av, Los Angeles, Cal.
Kraft A. C. ("Kamp Komfort" Heaters & "Kamp Kook's Kits"), 323 W. Lake, Chicago, Ill.
Loafea S., 5740 Elizabeth, Oakland, Cal.
National Appliance Co., 935 Sandy blvd, Portland, Ore.
Stonebridge C. H. Mfg. Co., 23 Warren, New York
Stopple Kook Kit Co., Alma, Mich.
United Steel & Wire Co. ("Nugget" Stoves & Ovens), 327 Fonda av, Battle Creek, Mich.

1815— Camp Stools & Chairs

Collapso Camp Bed Co. ("Collapso"), 2110 N Broadway, Los Angeles, Cal.
Defiance Welding Co. (Steel Stools only. Folding), Defiance, O.
Fulton Bag & Cotton Mills (Stools), Atlanta, Ga.
Gold Medal Camp Furniture Mfg. Co., Racine, Wis.
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Kittle Mfg. Co. ("Besgrade"), Los Angeles, Cal.
McKinnon Dash Co. (Folding Metal), 252 Amherst, Buffalo, N. Y.
Reed, Evan L. Mfg. Co., Tipton, Danville, Ill.
Richards Mfg. Co., Marietta, O.
Standard Cabinet Mfg. Co., Peru, Ind.
Steinfeld Bros. (Folding), 116 W 32nd. New York
Stonebridge C. H. Mfg. Co., 23 Warren, New York
Tucker Duck & Rubber Co. ("Peerless"), Ft. Smith, Ark.
United Steel & Wire Co. (Folding Camp Stools, all Steel), 327 Fonda av, Battle Creek, Mich.

1815a— Camping Outfits

Auto Kamp Equipment Co., Saginaw, Mich.
Auto Pullman Co., 1014 Thomas, Seattle, Wash.
Bennett Perfection Auto Bed Co., 619 N. Broadway, Los Angeles, Cal.
Berg F. O. Co. ("Jiffy"), N 318 Division, Spokane, Wash.
Broome W. J. Mfg. Co. ("Gem" Beds), 1455 E 17th, Los Angeles, Cal.
Channon, H. Co., 150 N. Market, Chicago, Ill.
Chicago Flag & Decorating Co., 1315 So Wabash av, Chicago, Ill.
Collapso Camp Bed Co. ("Collapso"), 2110 N Broadway, Los Angeles, Cal.
Comfort Supply Co., 1013 Mission rd, Los Angeles, Cal.
Cullum & Boren Co., Dallas, Texas
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Kraft A. C., 159 W Lake, Chicago, Ill.
Metropolitan Air Goods Co. (Sleeping Pockets), Athol, Mass.
New York Sporting Goods Co., 95 Chambers, New York
Miller Auto Bed Co., 1102 E 12th, Oakland, Cal.
Musso Outing Equipment Co., San Jose, Cal.
Pike Auto & Trailer Works ("Pike 'O' Camp Bed"), 701 E 7th, Los Angeles, Cal.

(Continued on following page)

Camping Outfits—Continued

Riverside Tent & Awning Co. ("Arab De Lux" Auto Tent), 393 W 8th, Riverside, Cal.
San Antonio Tent & Awning Co., 129 Military Plaza, San Antonio, Texas
Stonebridge, C. H. Mfg. Co. (Canvas Basins & Buckets & Folding Lanterns), 23 Warren, New York
Sun Tent & Awning Co., 37 Washington, San Francisco, Cal.
United Steel & Wire Co. (Camp Grids & Camping Utensils), 327 Fonda av, Battle Creek, Mich.

1816— Camphor

American Camphor Refining Co. (Refined), 14 Fulton, Boston, Mass.
American Trading Co. (Imp), 25 Broad, New York
Baker H. J. & Bro. (Imp), 81 Fulton, New York
Barrett Co. (Tar), 17 Battery pl, New York
Cooper & Cooper, Inc., 23H Cliff, New York
Eimer & Amend, 205 E 18th, New York
Fearon, Brown Co. (Imp), 96 Wall, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Frost F. W. & Co., Inc. (Refined & Crude, Imp.), 56 Beaver, New York
Fuerst Bros. & Co., 2 Stone, New York
Jones E. F. Chemical Co., 51 Jay, New York
Lathrop H. R. & Co., 116 Beekman, New York
Lehn & Fink (Japanese, Imp), 635 Greenwich av, New York
Lewy Chemical Co., 58 W 15th, New York
Mitsui & Co. (Imp), 65 B'way, New York
Morningstar Chas. & Co. Inc. (Imp.), 650 W 34th, New York
National Aniline & Chemical Co., Inc. (Imp Refined Japanese Gum), 21 Burling sl, New York
Parke, Davis & Co. (Japanese), 2951 Atwater, Detroit, Mich.
Pfizer Chas. & Co. (Refined), 81 Maiden la, New York
Satsuma Co., Satsuma Heights, Fla.
Schieffelin & Co. (Refined, Imp), 170 William, New York
Simmons T. W. & Co., 240 California, San Francisco, Cal.
Stern D. S. Co. (Imp), 46 Davis, San Francisco, Cal.
Stillwell Arthur A. & Co. (Imp), 20 Cliff, New York

1816a—Camphor (Monobromated)

Dow Chemical Co., Midland, Mich.
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park pl, New York

1817— Cams

Bethlehem Shipbuilding Corp., Ltd., Dept. H, 20th & Michigan, San Francisco, Cal.
Chester Steel Castings Co., Chester, Pa.
Chrome Steel Works (Canada Chrome Steel, Self-Locking), Chrome, N. J.
Denver Engineering Works Co. (Cam Shafts for Stamp Mills), Denver, Colo.
Erie Forge Co. (Shafts for Stamp Mills, Eccentric Forgings), Erie, Pa.
KENNEDY-VAN SAUN MFG. & ENG. CORP. ("Cania" Self-Locking, etc), 50 Church, New York
See adv index at end of book
National Steel Casting Co., Montpelier, Ind.
Rowbottom Machinery Co. (For Machinery), Waterbury, Conn.
Union Drop Forge Co. (Drop Forged), 358 W Grand av, Chicago, Ill.
Worthington Pump & Machy. Corp., 115 B'way, New York
See adv index at end of book

1817a— Candle (Tubes)

Elastoid Fibre Co. ("Elastoid"), Waltham, Mass.
Fibre Products Co., New Bedford, Mass.

1817b— Candles

Ainsworth Wm. & Sons ("Arnold" Carbide), Denver, Col.
American Ever Ready Works of National Carbon Co. (Electric), Thompson av, Long Island City, N. Y.
Atlantic Refining Co., 3144 Passyunk av, Phila., Pa.
Boyd James (Tallow), 408 W 26th, New York
Bromund E. A. Co., 258 B'way, New York
Cathedral Candle Co., Syracuse, N. Y.
Century Stearic Acid Candle Works, 380 South, New York
Colonial Candle Co., Hyannis, Mass.
Columbia Wax Works, 749 E 137th, New York
Deutsch Bros. Mfg. Co., 343 Greenwich, New York
Diamond Candle Co., 326 Leonard, Brooklyn, N. Y.
Emery Candle Co. (church), 115 E 4th, Cincinnati, Ohio
Great Western Oil Co., 2846 E 57th, Cleveland, O.
Gross A. & Co. (Stearic Acid Plumbers, etc.), 90 West, New York
Harkness & Cowing Co., Murray av & Carthage Pike St. B, Cincinnati, O.
Hoboken Sanitary Co. (Sulphur), 249 Clinton av, West Hoboken, N. J.
Knapp Mfg. & Supply Co., 241 Water, New York
Knapp Edw. J. Candle Co. (Stearic Acid, Wax, etc.), Syracuse, N. Y.
Marty F. & Co., Syracuse, N. Y.
Master Refining Co. (Church), Hobart bldg, San Francisco, Cal.
Merkle Wax & Candle Co., 405 N Main, St. Louis, Mo.
Phoenix Candle Co., 139 Madison av, New York
Schaeffer Bros. & Powell Mfg. Co., Barton & Koskiusko, St. Louis, Mo.
Seabury & Johnson (Sulphur), 59 Maiden Lane, New York
Smith & Nichols, 121 Maiden Lane, New York
Standard Oil Co. of N. J., 26 Broadway, New York
Standard Oil Co. of N. Y. ("Which Will Tin," "Electric Light," "Granite," "Snow Flake"), 555 W 25th, New York
Standard Oil Co., 225 Bush, San Francisco, Cal.
Syracuse Candle Co. (Tallow), Syracuse, N. Y.
Werk M. Co., Murray Road, Cincinnati, O.
White Tar Co. (Sulphur), 2 Cliff, New York
Will & Baumer Candle Co., Syracuse, N. Y.

1818— Candles (Bees Wax)

Cathedral Candle Co., Syracuse, N. Y.
Emery Candle Co., 115 E 4th, Cincinnati, Ohio
Knapp Edw. J. Candle Co., Syracuse, N. Y.
Marty F. & Co., Syracuse, N. Y.
St. Louis Candle & Wax Co., 208 S. 1st, St. Louis, Mo.
Will & Baumer Co., Syracuse, N. Y.

1819— Candles (Carbide)

Ainsworth Wm. & Sons ("Arnold"), 2151 Laurence, Denver, Colo.

1820-1— Candles (Coach)

Atlantic Refining Co., 260 S Broad, Phila., Pa.
Columbia Wax Works, 749 E 137th, New York
Emery Candle Co., 115 E. 4th, Cincinnati, O.
Gross A. & Co., 90 West, New York
Marty F. & Co., Syracuse, N. Y.
Standard Oil Co., of N. J., 26 Broadway, New York
Will & Baumer Co., Syracuse, N. Y.

1822—Candles (Mutton Tallow)

Boyd James, 408 W 26th, New York

1823—Candles (Plumbers' & Mining)

Atlantic Refining Co. (Plain & Twisted, All Colors, Machine Made, Hand Made, Ornamental Utility), 260 S Broad, Phila., Pa.
Cathedral Candle Co., Syracuse, N. Y.
Columbia Wax Works, 749 E 137th, New York
Great Western Oil Co., 2846 E 37th, Cleveland, O.
Gross A. & Co., 90 West, New York
Harkness & Cowing Co., Murray, Cincinnati, Ohio
Knapp Edw. J. Candle Co., Syracuse, N. Y.
Knapp Mfg. & Supply Co., 241 Water, New York
Marty F. & Co., Syracuse, N. Y.
SMITH & NICHOLS INC., 121 Maiden Lane, New York
Standard Oil Co. of N. J., 26 B'way, New York
Standard Oil Co. of N. Y. ("Which Will Tin," "Electric Light," "Granite," "Snow Flake"), 555 W 25th, New York
Will & Baumer Co., Syracuse, N. Y.

1824—Candles (Stearic Acid)

Century Stearic Acid Candle Wks., 380 South, New York
Columbia Wax Works, 749 E 137th, New York
Gross A. & Co., 90 West, New York
Knapp Edw. J. Candle Co., Syracuse, New York
Marty F. & Co., Syracuse, N. Y.
Will & Baumer Co., Syracuse, N. Y.

1825— Candles (Sulphur)

Hoboken Sanitary Co., 249 Clinton av, West Hoboken, N. J.
Seabury & Johnson, 87 Maiden la, New York
White Tar Co., John & Cliff, New York

1826—Candlesticks (Colonial)

American Ring Co. (Brass), Waterbury, Conn.
Boston Brass Andiron Co., 104 Utica, Boston, Mass.
Buffalo Mfg. Co., 1354 West av, Buffalo, N. Y.
Central Stamping Co (Planished Brass, etc.), 206 B'way, New York
Crescent Brass Products Co., 8410H Lake av, Cleveland, O.
Farber S. W., 147 S 5th, Brooklyn, N. Y.
Janusch Mfg. Co. (Brass & Copper), 290 E 135th, New York
National Enameling & Stamping Co., 411 5th av, New York
Riley-Klotz Mfg. Co., 17 Mulberry, Newark, N. J.
Rostand Mfg. Co. ("Rostand," Brass), Milford, Conn.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book
Thomas Seth Clock Co., Thomaston, Conn.

1827—Candlesticks (Miners' & Plumbers')

Ludlow-Saylor Wire Co., Newstead av e Wabash R R, St. Louis, Mo.
Stortz John & Son, 210 Vine, Phila., Pa.

1827a—Candlesticks (Wood)

Bogert & Hopper Inc., 57 Barclay, New York *See adv index at end of book*
De Voto Lamp & Shade Co., 205 2nd, San Francisco, Cal.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Stiles H. A. & Co., 166-174, Portland, Boston, Mass.
See adv index at end of book

1828— Canisters

See also Tinware Mfrs.

Canister Co. of New Jersey ("Canwood" Fibre, etc, with Tin Tops & Bottoms for Dry Foods & Chemicals), Phillipsburg, N. J.
Central Stamping Co., 206 B'way, New York
Fidelity Can Co., 600H S Caroline Baltimore, Md.
Kronman E. (Tea, Coffee), 211 W 19th, New York
Lalance & Grosjean Mfg. Co. (Tea, Coffee, Sugar, etc, Japanned), 299 B'way, New York
METAL PACKAGE CORP. OF N. Y. (Tea, Coffee, Sugar, Flour), 110 E 42nd, New York *See adv index at end of book*
National Enameling & Stamping Co., 411 5th av, New York
St. Louis Paper Can & Tube Corporation (Dry Products), St. Louis, Mo.

1829— Canned Goods

NOTE—Firms listed under this heading are given at their main office only.

Marked thus * indicates fish
Marked thus b indicates berries
Marked thus f indicates fruit
Marked thus m indicates meat
Marked thus p indicates preserves
Marked thus v indicates vegetables
Articles not included in above categories are given in parentheses following the name.

*A. & P. Products Corp. (Salmon), Central bldg, Seattle, Wash.
vAcme Canning Co., Midway, Tenn.
Acme Packing Co., 813 W 22nd, Chicago, Ill.
vAcme Preserve Co. (Pork & Beans), Adrian, Mich.
vActon Products Co., Acton, Ind.
Adams Bertram, Oakland, Cal.
Adams Bros. & Sellers Co., Alvin, Tex.
Adams A. Jr. (Olives), Sunland, Cal.
vAdamstown Canning & Supply Co., Adamstown, Md.
*Addison Packing Co., Southwest Harbor, Me.
vAdell Canning Co., Adell, Wis.
vAdy S. J., Sharon, Md.
vAgee Canning Co., Baldwin Station, Va.
vAillo Bros. & Co., Highland, N. Y.
fAinsley J. C. Packing Co., Campbell, Cal.
*Ainsworth & Dunn, Seattle, Wash.
vAireys Packing Co., Aireys, Md.
fvAkin W. F., Galena, Mo.
Alabama-Georgia Syrup Co., Montgomery, Ala.
fvAlameda County Canning Co., 3d & Bancroft Way, Berkeley, Cal.
Alart & McGuire Co. (Pickles, Olives & Chili Sauce), 944 3rd av, Brooklyn, N. Y.
Alaska Packers Assn. (Salmon), 111 California, San Francisco, Cal.
*Alaska Portland Packers' Ass'n., Yeon bldg., Portland, Ore.
Alaska Salmon Co., 112 Market, San Francisco, Cal.
*Alaska Sanitary Packing Co., Seattle Wash.
vAlbany Canning Co., Albany, Wis.
fvbAlbermarle Pippin Products Corp., Charlottesville, Va.
Albers Olive Co., Riverside, Cal.
Alexander Molasses Co., 614 W Austin av, Chicago, Ill.
vAlexandria Preserving Co., Alexandria, Ind.
Allen & Moore Canning Co., Blades, Del.
fbAllivine Co., Norma, N. J.
fvAlmeda Canning Co., Wellston, O.
Alpha Preserve Co. (Macaroni Sauce), San Jose, Cal.
Alpine Evaporated Cream Co. (Milk), Gonzales, Cal.
fvAlton Canning Co., Alton, Ind.
*Altoona Packing Co., Altoona, Wash.
vAmboy Products Co. (Hominy), Amboy, Ill.

vAmbrose J. T., Oakland, W. Va.
American Milk Co., 324 W Kinzie, Chicago, Ill.
American Olive Co., 1701 E Adams, Los Angeles, Cal.
*American Packing Co., Everett, Wash.
vAmerican Pickle & Canning Co. (Catsup, Olives, Pickles & Hominy), Wiggins, Miss.
Am. Syrup & Preserving Co. (Corn Syrup), 4300 Geraldine, St. Louis, Mo.
vAmes Canning Co., Ames, Iowa
vAnderson Bros. Canning Co., Oskaloosa, Ia.
vAndrew C. A., Conowingo, Md.
vAndrews J. B. & Co., Hurlock, Md.
*vfAndrews Wm. P., Crapo, Md.
vAntigo Canning Co., Antigo, Wis.
fAppalachian Corp., Tallulah Park, Ga.
bfvAppleby Bros., Fayetteville, Ark.
*vApplegarth C. L. Co., ft. of Webster, Baltimore, Md.
vArcadia Canning Wks., Arcadia, Ind.
vArcher C. S., Pylesville, Md.
vArcher J. W. & Son, Wilna, Md.
vArcher John, Magnolia, Md.
vfArkansas Orchard Planting Co., Highland, Ark.
Arkmo Packing Co., Decatur, Ark.
vArlington Canning Ass'n., Arlington, Minn.
mvArmour & Co. (Spaghetti), Dept. H, Union Stock Yards, Chicago, Ill.
bfvAssau W. F. Canning Co. (Pork & Beans), Boston cor Streeper, Baltimore, Md.
*Astoria & Puget Sound Canning Co., South Bellingham, Wash.
fvAtkinson P. W., Berkeley Springs, W. Va.
vAtlanta Canning Co., Atlanta, Ind.
fvAtlanta Canning Co., Atlanta, N. Y.
vAtlantic Canning Co., Atlantic, Ia.
*Atlantic Canning Co., Eastport, Me.
vAtlantic Canning Co., Rehoboth Beach, Del.
*Atwood River Canning Co., Valona, Ga.
fvAuburn Canning Co., Auburn, Nebr.
vAudubon Canning Co., Audubon, Ia.
*bfvAughinbaugh Canning Co. (Hominy), Fort av & Lawrence, Baltimore, Md.
fmvAusting Canning Co. (Hominy), Austin, Ind.
Aviston Condensed Milk Co., Aviston, Ill.
vfbAyars Clinton B. Canning Co., Bridgeton, N. J.
B. & O. Milk Co., Carlyle, Ill.
vBadger Canning Co., Beaver Dam, Wis.
fvbBagley Canning Co., Talent, Ore.
vBailey J. Barnes, Forest Hill, Md.
vBaker C. O., Fincastle, Va.
vBaker C. W. & Sons, Aberdeen, Md.
vBaker G. Harold, Aberdeen, Md.
vBaker Henry & Co., Millsboro, Del.
vBaker J. A., East New Market, Md.
vbBaker W. S., Bridgeton, N. J.
fBaldwin H. N., Chestertown, Md.
*fvbBaltimore Canning Co., 110 E York, Baltimore, Md.
vBande Venter & Son, Dundee, Mich.
vfVanAlen Canning Corp. (Pork & Beans), Ogden, Utah
fBanner Fruit Co., Lankershim, Cal.
vBanner Packing Co., Lebanon, O.
fBanning Canning Co., Banning, Cal.
vBarkley A. Canning Co. (Hominy), Carlyle, Ill.
fvBarley W. P., Buchanan, Va.
*Barnes F. C. Co., Lewis bldg, Portland, Ore.
vfbBarnett J. A., Westminster, S. C.
vBarr J. E. Pickling & Preserving Co. (Pickles), St. Cloud, Minn.
vBarwise N. C. Packing Co., 960 Sherman, Denver, Colo.
vBass, Smith Co., Litwalton, Va.
fvBatavia Food Products Co., Batavia, N. Y.
vBates C. E. Co. (Chili Sauce), Blanchester, O.
vBates H. G. (Pork & Beans),Blanchester, O.
vBaugh, Batten & Baugh, Clarksville, O.
vBaugh C. L., New Vienna, O.
vBaxter Bros. Co., Brunswick, Me.
*vfBaxter H. C. & Brt., Brunswick, Me.
*Bay City Packing Co., Apalachicola, Fla.
fvBay John W. & Co., Stockley, Del.
bfvBay Side Canning Co., Alviso, Cal.
fvBeechnut Co. of Cal., San Jose, Cal.
fvBeale M. E., Skowhegan, Me.
vBeamer & Wilhelm, Eagle Rock, Va.
*mBeardsley's J. W. Sons, 690 Frelinghysen, Newark, N. J.
vBeaver Canning Co., Randolph, Wis.
vBechers Robt. L., El Paso, Ill.
vmBeechnut Packing Co. (Peanut Butter), Canajoharie, N. Y.
fvBel Air Packing Co., Bel Air, Md.
vBelgium Cannery, Belgium, Wis.
vBelle Plaine Canning Co., Belle Plaine, Ia.
*Bellingham Canning Co., Bellingham, Wash.
***Bennett G. W., Inverness, Md.**
vBennett J. W., Auburn, Me.
vBennett Canning Co., Frankford, Del.
vbBerea Canning Co., Berea, Ky.
fbBerryville Canning Co., Berryville, Ark.
*pBest-Clymer Mfg. Co., Virginia & Davis, St. Louis, Mo.
vBeutel Pickling & Canning Co. (Pickles, Catsup & Beans), Bay City, Mich.
vBig Four Canning Co., Stanley, Wis.
vBiger Leonard, Kenton, Del.
vBillings Canning Co., Billings, Mo.
*vBiloxi Canning Co. (Peanut Butter), Biloxi, Miss.
fvBiscegica Bros. & Co., San Jose, Cal.
vBiser G. W. & Co., Berkeley Springs, W. Va.
bpvBishop & Co. (Soups), 1449 E 7th, Los Angeles, Cal.
*vBishop-Gifford Co., Inc., Baldwin, Long Island, N. Y.
bvfBlack & Gay, Canners, Inc., Thomaston, Me.
vBlackiston Canning Co., Clayton, Del.
*Blanchard Mfg. & Canning Co., Eastport, Me.
Blair Canning Co., Blair, Neb.
vBloomington Canning Co. (Hominy), Bloomington, Ill.
v*Blundon & Hinton, Reedville, Va.
vBodt W. A., Churchville, Md.
vBois D'Arc Canning Co., Bois D'Arc, Mo.
vBoitnott C. C. & Sons, Naffs, Va.
vfBolton F. D., Fincastle, Va.
vBolton H. L., Troutville, Va.
*fvBooth F. E. Co. ("Crescent Brand"), 110 Market, San Francisco, Cal.
*Booth Fisheries Co., Astoria, Ore.
bfvBooth Packing Co., ft. of Wolfe, Baltimore, Md.
vBooze G. C., Springwood, Va.
Borden Co. ("Eagle Brand") Condensed Milk), 350 Madison av, New York
*Boston Food Products Co. (Pork & Beans), 16 New, Boston, Mass.
fvbBounds G. A. & Co., Hebron, Md.
vBonvallets P. A. Sons, Wichert, Ill.
fvBower F. C., Troutville, Va.
vBower Lee & Son, Troutville, Va.
*fbvBoyer W. W. & Co., 2341 Boston, Baltimore, Md.
vBozman C. W. & Son, Eden, Md.
vBradford Geo. W. W., Bel Air, Md.
vBradley Chas. S., Preston, Md.
vBraithwaite Bros., Cross Junction, Va.
vBrakeley A., Bordentown, N. J.
vBrakeley J., Freehold, N. J.
vBramble James A., Joppa, Md.
vBramble T. M. & Co., Cambridge, Md.
vBreeding W. R. & Son, Federalsburg, Md.
v*Breslauer-Lachicotte & Co. (Pickles), Waverly Mills, S. C.
vBrewbaker J. C., Buchanan, Va.
fvbBridalveil Canning Co., Ronda, N. C.
Bridgeton Condensed Milk Co., Bridgeton, N. J.
vbBrigham City Canning Co., Brigham, Utah
vBrisentine Bros., Prospect, Va.
Bristol Bay Packing Co. (Salmon), 113 Market, San Francisco, Cal.
*Brooks Packing Co., Tillamook, Ore.
vBrooks Tomato Products Co., Collinsville, Ill.
*Brown E. W. Co., South Portland, Me.
fBrown Fig Co., Beaumont, Tex.
pvBrownsville Canning Co., Forest Grove, Ore.
fvBrugh R., Nace, Va.
vBuckeye Canning Co., Continental, O.
vBuckeystown Packing Co., Buckeystown, Md.
fvBuhrman J. B. & Son, Gala, Va.
vBulls Gap Canning Co., Bulls Gap, Tenn.
vBunker Hill Canning Co., Bunker Hill, Ind.
vBurkettsville Canning Co., Burkettsville, O.
vBurkholder I. C. & Son, Buchanan, Va.
vBurkley Geo. F., Belcamp, Md.
vBurlington Vinegar & Pickle Wks. (Pickles & Olives), Burlington, Ia.
fBurnett Canning Co., Burnett, Ind.
*Burnham E. S. Packing Co., 61 Gansevoort, New York
*bmBurnham & Morrill Co., Portland, Me.
vBurton T. & Son, Millsboro, Del.
vButt Jos. A., 1111 N B'way, Baltimore, Md.
vButter County Canning Co., Monroe, O.
vButterfield Canning Co., Muncie, Ind.
vByrne & Kincanon, Lowry, Va.
fvCalifornia Canneries Co., 600 Minnesota, San Francisco, Cal.
fvCal. Co-Operative Canneries, San Jose, Cal.
fpvCalifornia Fruit Canners' Assn, 101 California, San Francisco, Cal.
fvCal. Packing Corp. ("Del Monte"), 101 **California, San Francisco, Cal.**
California Ripe Olive Co., 24 California, San Francisco, Cal.
fvCalifornia Sanitary Canning Co., 1583 Industrial, Los Angeles, Cal.
vCalima Canning Co., 724 S Spring, Los Angeles, Cal.
vCambria Canning Co., Cambria, Wis.
vCambridge Packing Co., Cambridge, Ia.
vCamden Canning Co., Camden, O.
vCamden Packing Co., Camden, N. Y.
Campbell J. Co. (Soups, Pork & Beans), Camden, N. J.
vCampbellsville Canning Co., Campbellsville, Ky.
vCanandaigua Kraut Co., Canandaigua, N. Y.
vCanastota Canning Co., Canastota, N. Y.
vCannon Falls Canning Co., Cannon Falls, Minn.
bfvCannon H. P. & Son, Bridgeville, Del.
vCanton Canning Co. (Olives), 1733 5th N E, Canton, O.
*pvCape Code Specialty Co., North Truro, Mass.
*Carlisle Packing Co., Seattle, Wash.
*fvCarli Bros., Waterboro, Me.
vCarli Canning Co., Augusta, Me.
Carnation Milk Products Co., Seattle, Wash.
fCarpenter J. C. Fig Co., Houston, Tex.
vCarpp S. M., Hartford, Mich.
vCarr M. M., Aberdeen, Md.
vCarroll Bros., Havre De Grace, Md.
vCarter B. L., Stone Mountain, Va.
vCarver J. C. & Co., Marumsco, Md.
*Cascade Packing Co., Anacortes, Wash.
fvCase Canning Co., Marshfield, Mo.
vCayuga Packing & Mfg. Co., Cayuga, Ind.
vCazenovia Canning Co., Cazenovia, N. Y.
vCedarburg Canning Co., Cedarburg, Wis.
vCedar Falls Canning Co., Cedar Falls, Ia.
vfCedar Glenn Canning Co., Bedford, Va.
vCedar Rapids Canning Co., Cedar Rapids, Ia.
vCenter Point Canning Co., Center Point, Ia.
fvbCentral California Canneries, 1 Drumm, San Francisco, Cal.
vfCentral Lake Canning Co., Central Lake, Mich.
vCentral States Canning Co., Indianapolis, Ind.
vCereal Food Co. (Hominy), Peoria, Ill.
bvChampion Thomas E., Normal, Ill.
vChandlee Ira W., Slab, Pa.
vChandler & Ballard Co., Exmore, Va.
vfCharleston Canning Co., Charleston, Tenn.
vChatfield Canning Co., Chatfield, Minn.
vCherry Creek Canning Co., Cherry, N. Y.
v*Chesapeake Packing Co., Sherwood, Md.
vCheswold Canning Co., Aberdeen, Md.
vChilton Canning Co., Chilton, Wis.
*Chinook Packing Co., Chinook, Wash.
vChippewa Falls Canning Co., Chippewa Falls, Wis.
vChrisney Canning Co., Chrisney, Ind.
vCifax Packing Co., Cifax, Va.
vCitizens' Canning Co., Spiceland, Ind.
*Clark L. D. & Son, Eastport, Me.
vfpbClark W. N. Co., Rochester, N. Y
fvbClaybrook-Neale Packing Co., Bowlers Wharf, Va.
vClayton Canning Co., Clayton, Del.
vClayton J. M. & Co., Hoopersville, Md.
vCleveland Canning Co., Cleveland, Wis.
fvClift G. W., Marshfield, Mo.
vfClinton Canning Co., Rome, N. Y.
vClyde Kraut Co., Clyde, O.
*Coast Fish Co., Anacortes, Wash.
*Coast Fishing Co., Los Angeles, Cal .
vfbCobb Preserving Co., Fairport, N. Y.
vCodorus Canning Co., Codorus, Pa.
vCohasset Canning Co., Cohasset, Va.
vbCohocton Canning Co., Cohocton, N. Y.
vCokato Canning Co., Cokato, Minn.
vCollins John & Co., American Corners, Md.
vColora Canning Co., Aberdeen, Md.
Colorado Condensed Milk Co., Fort Lupton, Colo.
vColt & Dickson Packing Co., Frederick, Md.
vColter A. W. Canning Co., Mount Washington, O.
vColumbia Canning Co., Columbia, Tenn.
vColumbia Conserve Co. (Soups, Apple Butter, Mince Meat & Chili Sauce), Churchman av & Belt Ry, Indianapolis, Ind.
fbvColumbia River Canning & Produce Co., St. Helens, Ore.
*Columbia River Packers' Ass'n, Astoria, Ore.
*Columbian Canning Co., Lubec, Me.
vColumbus Canning Co., Columbus, Wis.
Continental Condensed Milk Co., Mill Hall, Pa.
vCool Spring Canning Co., Cool Spring, Del.
vCooper John S. & Co., Columbia, Del.
vCoulbourne & Parsons, Marion Station, Md.
v*fbCourtney W. J., Mundy Point, Va.
vCraft Bros., Springwood, Va.
vCraig Wm. Canning Co., Ogden, Utah
fCramer W. F., Gasport, N. Y.
vCrampton I. E. & Son Canning Co., Celina, O.
vCrary C. S. Co., Streator, Ill.
Cremo Milk Co., Valley Ford, Cal.
vbfCreswell Fruit & Vegetable Growers' Ass'n, Creswell, Ore.
vCronise Bros., Nace, Va.
vCrossroads Canning Co., Berkeley Springs, W. Va.
vCrothersville Canning Co. (Hominy), Seymour, Ind.
fvCruikshank Bros. Co. (Olives & Pickles), Island & Preble avs, Pittsburgh, Pa.
fvCrystal Spring Canning Co., Dixon, Mo.
mvCudahy Packing Co., 111 W Monroe, Chicago, Ill.
vCummins Canning Co., Conneaut, O.
fvCurrie Canning Co., Grand Junction, Colo.
vfmpbCurtice Bros. Co. (Soups & Plum Pudding), Rochester, N. Y.
Curtis Corp. (Olives), Long Beach, Cal.
vfDaggett E. P. Canning Co., Coopersville, Mich.
mfvDailey-Udell Co., Brockport, N. Y.
Dalby H. L. (Olives), San Bernardino, Cal.
vDaleville Canning Co., Daleville, Ind.
vDalrymple H. L., Marshfield, Mo.
*vDameron W. A. & Bro., Weems, Va.
vfbDana Canned Goods Co., Belpre, O.
vDaniel G. W., Amburg, Va.
vDanville Canning Co., Danville, Ind.
Darlingtons' M. Sons (Milk), Pomeroy, Pa.
fvDarting & McGavren, Glenwood, Ia.
fvDavies Edgar W., Leesburg, N. J.
vfbDavies K. M. Co., Williamson, N. Y.
*Davis Frank E. Fish Co., Gloucester, Mass.
vfDavis O L., Park Rapids, Minn.
vDavis & Lippincott, Woodstown, N. J.
vfDearborn Canning Co., Dearborn, Mo.
vDeal Island Packing Co., Deal Island, Md.
vDebo & McLain Canning Co., Goodview, Va.
vDe Graff Canning Co., De Graff, O.
fvDeisher J. S., Fincastle, Va.

(Continued on following page)

Canned Goods—Continued

vDe Long G. T., Lithia, Va.
fvDemeritt Co., Waterbury, Vt.
Denmark Condensed Milk Co., Denmark, Wis.
fvDenmire L. E., Montrose, Ia.
vDennis J. T., Preston, Md.
vDenton Mfg. Co., Denton, Md.
Detroit Creamery Co. (Milk), Grand River, Detroit, Mich.
fvDevilbiss G. W., Stewartstown, Pa.
vDexter Farming Canning Co., Dexter, Ia.
fvbDiament J. E. Co., Cedarville, N. J.
Diana Fruit Preserving Co. (Maraschino type Cherries), Park av & Maple, Santa Clara, Cal.
pDickinson Co., Oswego, Ore.
vDickinson & Co., Eureka, Ill.
fvDi Fiore D. Canning Co., San Jose, Cal.
fvDingley E. S. Co., West Farmington, Me.
•bDirigo Packing Co., Machias, Me.
vDolby S. W., Jr., Whitehaven, Md.
vDolby W. H., Whitehaven, Md.
vDover Packing Co., Dover, Ky.
vDow Bros. & Horne Co., East Dover, Me.
vDownham John & Son, Wyoming, Del.
vDraper Canning Co., Milton, Del.
vDraper G. H., Milford, Del.
bfvDraper & Hirsch, Milford, Del.
vDraper & Slaughter, Denton, Md.
vDrenthe-Hamilton Canning Co., Hamilton, Mich.
fvDuffy L. B., Haymakertown, Va.
vfDugwell Packing Co., Rocky Mount, Va.
fvbDulany J. H., Fruitland, Md.
•fDunbar-Dukate Co., Blanche bldg, New Orleans, La.
fvDundee Canning & Preserving Co., Dundee, Mich.
vDurant Bros., Clarkston, Wash.
fvDustan F. W., Clarkston, Wash.
vDutch Canning & Pickling Co., Cedar Grove, Wis.
mvDyer Packing Co. (Pork & Beans), Vincennes, Ind.
fvEagle Valley Cannery Co., New Bridge, Ore.
vEarly W. C., Munford, Va.
vfEast Pembroke Canning Co., East Pembroke, N. Y.
bfvEast Side Canning Co., 220 N av 19, Los Angeles, Cal.
vfEastman Co., Fryeburg, Me.
vEastman J. N. & Co., Casco, Me.
vEaston Packing Co., Easton, Md.
vfEavey Packing Co., Xenia, O.
vEdgar Canning Co. (Pickles), Edgar, Nebr.
vfbEdgett-Burnham Co. (Pork & Beans), Newark, N. Y.
vfbEgypt Canning Co., Fairport, N. Y.
Ehmann Olive Co., Oroville, Cal.
vElba Products Co., Batavia, N. Y.
vEldorado Packing Co., Eldorado, Md.
vElgin Canning Co., Elgin, Ia.
vElgin Packing Co., Elgin, Ill.
fvbElkin Canning Co., Elkin, N. C.
vElliott D. J. & Son, Salisbury, Md.
vbEllis Canning Co., Brant, N. Y.
fvEllsworth & Filley (Pickles), Windsor, Conn.
•Elmore Packing Co., Astoria, Ore.
vElnora Packing Co., Elnora, Ind.
vElsey Canning Co., Elsey, Mo.
vElsner G. W., Aberdeen, Md.
vfbElyria Canning Co. (Hominy), Elyria, O.
Emmart Packing Co. (Hominy), 5425 S State, Chicago, Ill.
vEmpire State Canning Co., Rome, N. Y.
vEmpire State Pickling Co. (Pickles), Phelps, N. Y.
vEmpson Packing Co. (Hominy), Longmont, Colo.
Eng-Skell Co. (Fruits), 208H Mission, San Francisco, Cal.
vEnglish Canning & Mfg. Co., English, Ind.
vEphraim Sanitary Canning Co., Ephraim, Utah
vEsmeraldo Canning Co., Circleville, O.
bfvEssex Packing Co., Tappahannock, Va.
vEubank Canning Co., Eubank, Ky.
•Eubank Tankard Co., Kilmarnock, Va.
pvEugene Fruit Growers' Ass'n (Pickles), Eugene, Ore.
fEvans A. J. Canning Co., Fort Valley, Ga.
vEvansville Canning Co., Evansville, Wis.
vEveland G. H., Miamiville, O.
bfvEverett Fruit Products Co., Everett, Wash.
•Everett Packing Co., Everett, Wash.
vFairdale Canning Co., Bridgeton, N. J.
vFair Play Canning Co., Fair Play, Mo.
Fairoaks Fruit Co. (Olives), Fairoaks, Cal.
vbFairton Canning Co., Fairton, N. J.
vfFairview Cannery, Lockport, N. Y.
vFairwater Canning Co., Markesan, Wis.
bfvFallas Edwin Canning Co., Lowell, Mich.
vFall Creek Canneries Pendleton, Ind.
vbFallin T. H., Coan, Va.
vFall River Canning Co., Fall River, Wis.
vFaribault Canning Co., Faribault, Minn.
vFarmers' Canning Co., Dunreith, Ind.
vFarmers' Canning Co., Mt. Carmel, Ill.
vFarmers' Canning Co., Red Lion, Pa.
•vFarnsworth Packing Co., Brooklin, Me.
vFayette Canning Co., Fayette, O.
vFayette Canning Co., Washington C. H. O.
fvbFayetteville Canning Co., Fayetteville, Ark.
Federal Packing Co. (Condensed Milk), Enosburg Falls, Vt.
vFeeser A. W. & Co., Silver Run, Md.
bvFelton Packing & Mfg. Co., Felton, Del.
•fvFenderson W. N., Chebeague Island, Me.
vFerguson Henry, Elwood, Ind.
vFernald, Keene & True Co., West Poland, Me.
vpFerndale Canning Co., Ferndale, Wash.
vFerrell M. F. & Son, Haymakertown, Va.
•Fidalgo Island Packing Co., Anacortes, Wash.
vFilice & Perrelli Canning Co., Gilroy, Cal.
vFinley Canning & Mfg. Co., Ozark, Mo.
vFinney Wm. W., Bel Air, Md.
vFirebaugh D. W., Fincastle, Va.
vFirebaugh W. H., Troutville, Va.
vFishers Canning Co., Fishers, Ind.
vFizer W. E., Bedford, Va.
bfvFleming & Co., S. W. Cor. Cross & Race, Baltimore, Md.
vFleshman H. P., Troutville, Va.
fvFlickinger J. H. Co., San Jose, Cal.
fvFlint Hollow Canning Co., Seymour, Mo.
vFlippo H. O., Buchanan, Va.
vfFlora G. B. & Sons, Wirtz, Va.
fvFlushing Canning Co., Flushing, Mich.
vFoard S. B., Rocks, Md.
mFoell Supply Co., 3117 W 47th, Chicago, Ill.
vFogg & Hires Co., Salem, N. J.
vFoidel S., Knoxville, Ia.
b•fvFoote D. E. A. Co., 2023 Aliceanna, Baltimore, Md.
vFord W. B., Van Bibber, Md.
vFordland Canning & Packing Co., Fordland, Mo.
•fvForhan H. L., 187 Middle, Portland, Me.
vFort Atkinson Canning Co., Fort Atkinson, Wis.
fvbFort Bragg Growers' Assn., Fort Bragg, Cal.
vFortner S. A., Smyrna, Del.
Fort Scott Sorghum Syrup Co. (Honey, Molasses & Syrup), Fort Scott, Kans.
vfpbFort Stanwix Canning Co., Rome, N. Y.
vFortville Canning Co., Fortville, Ind.
f•Foster, Fountain & Co., Biloxi, Miss.
fvFowler Canning & Mfg. Co., Fowler, Colo.
vFox Lake Canning Co., Fox Lake, Wis.
vFralin J. L., Blue Ridge Springs, Va.
vFranklinville Canning Co., Franklinville, N. Y.
vFranks Canning Co., Franks, Mo.
vFrazier Packing Co., Elwood, Ind.
vFrederick City Packing Co., Frederick, Md.
vFredonia Canning Co., Fredonia, Wis.
fvbFredonia Preserving Co., Fredonia, N. Y.
fvpbFremont Canning Co., Fremont, Mich.
vFremont Kraut Co., Fremont, O.
vFrench James F., Brookston, Ind.
•Frenchmens Bay Packing Co., South Gouldsboro, Me.
fvFriday Bros. Canning Co., Coloma, Mich.
•Friday Harbor Packing Co., Friday Harbor, Wash.
vfFringer C. F., Lithia, Va.
fvFruit Belt Preserving Co., East Williamson, N. Y.
vfbFruit Farm Preserving Co., Cedarville, N. J.
vfFuller Canneries Co., Rockefeller bldg, Cleveland, O.
vFuller E. H., Stanton, Ky.
vGarey & Co., Denton, Md.
•vfbGarner Bros., Lewisetta, Va.
vfpGarrahan Canning Co., Luzerne, Pa.
vGaston Canning Co., Gaston, Ind.
Gebhardt Chili Powder Co., San Antonio, Tex.
vGedney M. A. Co. (Pickles), Minneapolis, Minn.
pGeneseo Canning Co. (Pickles), Geneseo, N. Y.
vGeneva Canning Co., Geneva, O.
vfbGeneva Preserving Co., Geneva, N. Y.
vfGentz A. G., Lineboro, Md.
•George J. R. & Bro., Irvington, Va.
•George & Barker Salmon Packing Co., Point Roberts, Wash.
vGhent Canning Co., Ghent, Ky.
vf•bGibbs Preserving Co. (Olives & Hominy), 2301 Boston, Baltimore, Md.
mvGibson Canning Co., Gibson City, Ill.
Gifford C. M. & Son (Olives), San Diego, Cal.
vGilman Canning Co., Gilman, Ia.
vGillaspie J. W., Bedford, Va.
vGillett Chas. A., Auburn Junction, Ind.
vGillett Canning Co., Gillett, Wis.
vGillis & Dashiell, Quantico, Md.
fvGirard Canning Co., North Girard, Pa.
vGirdletree Packing Co., Girdletree, Md.
vGivens G. O., Buchanan, Va.
fvGladys Canning Co., Gladys, Va.
pGlaser Crandell Co. (Olives & Pickles), 2006 S Western av, Chicago, Ill.
vGlasgow Canning Co., Glasgow, Mo.
vGlenn Canning Co., Prospect, Va.
•Globe Canning Co., Eastport, Me.
vGlove Creek Canning Co., Montvale, Va.
Glynn Canning Co. (Mince Meat), Brunswick, Ga.
bfvGodfrey Packing Co. (Pickles), Benton Harbor, Mich.
vmGoetjen & Workman, 906 Webster, San Francisco, Cal.
fGolden Gate Packing Co., San Jose, Cal.
vGolden State Asparagus Co., 16 California, San Francisco, Cal.
fvGolden State Canning Co., Ontario, Cal.
vfbGoode Canning Co., Henry, Va.
vGoode R. L., Buchanan, Va.
pGoodwin Preserving Co. (Mince Meat & Apple Butter), Louisville, Ky.
vGoodwin L. B., Olaf, Va.
vGorrell H. E., Bel Air, Md.
Goshen Milk Condensing Co., Goshen, Ind.
vGrafton R. E., Forest Hill, Md.
vGrand River Canning Co., Markesan, Wis.
pvfGrant Canning Co., Grant, Mich.
vGreat Western Canning Co. (Hominy), Delphi, Ind.
fvbGrebb L., Key Highway & Lawrence, Baltimore, Md.
bfvGrecht W. Co., 1330 S. Sharp, Baltimore, Md.
vGreco Canning Co. (Olives), San Jose, Cal.
vGreen Bay Canning Co., Green Bay, Wis.
vGreen Bros., Ball Ground, Ga.
vfGreenbaum Bros., Seaford, Del.
fvGreentown Canning, Ice & Mfg. Co., Greentown, Ind.
fvGregory Fruit Co., Colton, Cal.
vbGresham Fruit Growers' Ass'n, Gresham, Ore.
vGriffith W. F. & Bro., Emmerton, Va.
fvbGriffin & Skelley Co., 16 California, San Francisco, Cal.
vGrimes Canning & Preserving Co. (Hominy), Grimes, Ia.
vGrinels M. P., Bushy, Va.
vGrinnell Canning Co., Grinnell, Ia.
Grogan Chas. P. (Olives), 1744 Albion Los Angeles, Cal.
vGrowers' Canning Co., Council Bluffs, Ia.
•Gulf Packing Co., Biloxi, Miss.
vGunther F. W. Co., Racine, Wis.
vGuttenberg Canning Co., Guttenberg, Ia.
•Gwynn Island Fish & Oyster Co., Grimstead, Va.
vfGypsum Canning Co., Port Clinton, O.
•Haaker W. Co., 182 Franklin, New York
vHackett L. K. & Co., Finchville, Md.
•Halfhill Packing Co., Title Ins. bldg, Los Angeles, Cal.
vHall & Whittington, Marion Station, Md.
vfHamburg Canning Co., Hamburg, N. Y.
vHamersville Canning Co., Hamersville, O.
vHampton-Kelley Canning Co., Hampton, Ia.
vbHancock Flora L., Salem, N. J.
vHannabass R. L., Goodview, Va.
vHanson & Lantz, Edgewood, Md.
Harbauer Co. (Pickles & Catsup), Toledo, O.
Hardaway-Cargill Co. (Syrups), Columbus, Ga.
vHardcastle Mrs. K. N. Co. (Plum Pudding & Pickles), Denton, Md.
fvHarrington B. E. & Sons, Taylors Island, Md.
vHarrington Canning Co., Harrington, Del.
vHarris J. P., Preston, Md.
•Harris P. E. & Co., Seattle, Wash.
vHarshfield Fred., Shepherdsville, Ky.
vHartford Canning Co., Hartford, Wis.
bvHartlove Packing Co. (Hominy), 14 N Schroeder, Baltimore, Md.
vHarum David Canning Co., Homer, N. Y.
vHarward C. F., Halls, Tenn.
vfpbHaserot Francis H. Co., 527 Woodland, S. E., Cleveland, O.
bfvHastings Packing Co., Laurel, Del.
vHaviland L. P., Camden, N. Y.
vHazel Hill Canning Co., Fredericksburg, Va.
vHayner J. M. & Co., South Lebanon, O.
vHeck A. B., Buchanan, Va.
Heinz H. J. Co. (Pickles & Catsup), 1062 Main N S, Pittsburgh, Pa.
Helvetia Milk Condensing Co., Highland, Ill.
fbvHemet Canning Co., Hemet, Cal.
vfbHemingway H. C. & Co., Syracuse, N. Y.
vHenderson Canning Co., Aberdeen, Md.
Henning, F. W. (Pickles, Kraut, Olives & Vinegar & Mustard), 1260 W. Division, Chicago, Ill.
vHenry Bros., Poage's Mill, Va.
fvHerbert Canning Co., Reedley, Cal.
fvHerbert Packing Co., San Jose, Cal.
vHerfort F. Canning Co., Baraboo, Wis.
•fHerman M. S. & Bros., Savannah, Ga.
fvHerschel Canning Co., San Jose, Cal.
fvHershey P. H., Spring Grove, Pa.
Heyl Bros. Co. (Molasses & Syrups), 135 S 2nd, Phila., Pa.
vHickmott R. Canning Co., 320 California, San Francisco, Cal.
vHighland Cherry Farm Co., Clyde, O.
Highland Milk Condensing Co., Elkland, Pa.
fvbHighland Orchards Co., Highland, N. Y.
vHild Canning Co., Pierre, S. D.
Hillsboro Condensed Milk Co., Hillsboro, Wis.
•Hilliside Canning Co., Port Townsend, Wash.
vHilton J. D., Fincastle, Va.
vHiram Co-operative Canning Ass'n, Hiram, Me.
Hires Condensed Milk Co., Drexel bldg., Phila., Pa.
vHirsch Bros. Co. (Pickles, Olives & Catsup), 105 Ferry, Pittsburgh, Pa.
Hirsch Bros. & Co. (Pickles), Louisville, Ky.
fvHirsch D. & Bro., Milford, Del.
fvHitchock L., Eagle Harbor, N. Y.
vfHobbs Mfg. Co., Denton, Md.
•Hoegg D. W. Co., Mt. View Pk, Portland, Me.
vHoffecker J. H. Canning Co., Smyrna, Del.
vHolcenadel P., Jr., Co., Spring Brook, Janesville, Wis.
bfvHolland Canning Co., Holland, Mich.
Holly Condensed Milk Co., Amity, Ore.
vHolmen Canning Co., Holmen, Wis.
•Holmes Co., Robbinston, Me.
•Holmes E. A. Packing Co., Eastport, Me.
•Holmes M. C. Canning Co., Eastport, Me.
vHolsinger Paul & Son, Downs, Md.
vHome Canning Co., Kempton, Ind.
fvHome Canning Co., Blissfield, Mich.

fvHoney Creek Canning Co., Aurora, Mo.
vHood Canning Wks., Portland, Ind.
fHooke Geo. H., 203 California, San Francisco, Cal.
•Hoonah Packing Co., Port Townsend, Wash.
vHoopeston Canning Co., Hoopeston, Ill.
vHope Canning Co., Hope, Ind.
vHopewell Valley Canning Co., Hopewell, N. J.
vHopkins Jonathan L., Vernon, Del.
•Hoquiam Packing Co., Hoquiam, Wash.
fvHoughland Bros. Canning Co. (Hominy), Underwood, Ind.
fHouser W. L. Canning Co., Fort Valley, Ga.
vHousman C. S., Troutville, Pa.
vHubbard F. F., Canastota, N. Y.
vHubbard James Co., Ottoman, Va.
vHubbard O. W., East New Market, Md.
vHubbard W. J., Teagues, Mo.
vHuddleston Canning Co., Thaxton, Va.
fvHudson C. F. & Son, Rocky Mount, Va.
fvbHudson & Co., Holley, N. Y.
pHuffman W. D. Co. (Pickles & Olives), W St. Clair & Big Four, Indianapolis, Ind.
vHufford & Harding, South Lebanon, O.
vHumbert C. S., Troutville, Va.
pvHumbert & Andrews, 646 Dean, Brooklyn, N. Y.
xfHume, G. W. Co., 112 Market, San Francisco, Cal.
fvHunt Bros. Co., San Francisco, Cal.
•Hunt Packing Co., Beaufort, S. C.
fvbHurley J. W., Urbanna, Va.
vHurlock C. S., Massey, Md.
vHuron Canning Co., Port Austin, Mich.
vHurt R. D., Salem, Va.
vHustisford Canning Co., Hustisford, Wis.
fHyde Geo. E. & Co., Campbell, Cal.
fHymera Canning Co., Hymera, Ind.
vfIberia Canning Co., Iberia, Mo.
vIda Canning Co., Ida, Mich.
fIdaho Canning Co., Payette, Idaho
fvIkenberry Bros., Daleville, Va.
fvIkenberry H. C. & Co., Cloverdale, Va.
vIllinois Canning Co., Hoopeston, Ill.
Illinois Condensed Milk Co., White Hall, Ill.
vIndependence Canning Corp., Independence, Ia.
vInderrieden Canning Co., 516 W Erie, Chicago, Ill.
Indiana Condensed Milk Co., Sheridan, Ind.
fvIngersoll J. H. & Co., Exeter, N. H.
vInsley G. C., Lakesville, Md.
vInsley & Mitchell, Salisbury, Md.
vIowa Canning Co., Vinton, Ia.
vIowa City Canning Co., Iowa City, Ia.
vIowa Valley Canning Co., Marengo, Ia.
vIron Ridge Canning Co., Iron Ridge, Wis.
vIroquois Canning Co., Onarga, Ill.
•Irvington Packing Co., Irvington, Va.
vJackson J. A., Goldsboro, Md.
fvJames J. T., Roanoke, Va.
vJamestown Canning Co., Jamestown, Ind.
vbJarboe E. R. Canning Co., Mechanicsville, Md.
vJarrell R. & Son, Marydel, Md.
vJarrell R. & Sons, Goldsboro, Md.
vJeffersonville Canning Co. (Hominy), Jeffersonville, Ind.
Jelke John F. Co. (Milk), 759 S Washtenaw av, Chicago, Ill.
vJohannes H. J. Pickling Co., Clintonville, Wis.
vJohnson Grafton, Greenwood, Ind.
vJones E. T., Pittsville, Md.
fJones H. & Co. ("I.X.L." Brand), 29th av & East 10th, Oakland, Cal.
•Joulian E. C. Packing Co., Lake Shore, Miss.
vJourdan C. R. & Son, Darlington, Md.
Kahoka Evaporated Milk Co., Kahoka, Mo.
fvKale Canning Co., Everson, Wash.
Kalmath River Packers Assn., Requa, Cal.
•fbKane H. S., Brooklin, Me.
vKarnes Bros., Buchanan, Va.
vfKaysville Canning Corp., Kaysville, Utah
vKeene-Belvidere Canning Co. (Pickles), Belvidere, Ill.
vKeene Canning Co., Freeport, Ill.
fvKeene R. A. & Son, Poland, Me.
vKelley Canning Co., Waverly, Ia.
fvKelty S. L., Quinton, N. J.
•Kendall & Little, Copalis, Wash.
•Kennedy Packing Co., Biloxi, Miss.
vKennard Canning Co., Kennard, Ind.
mKennel Food Supply Co., Fairfield, Conn.
vKenyon Canning Co., Kenyon, Minn.
vKeokuk Canning Co. (Pickles), Keokuk, Ia.
vKesler P. W., Roanoke, Va.
vfKessler F. M. & Son, Buchanan, Va.
vKessler, J., Butler, Md.
vKey City Packing Co., Port Townsend, Wash.
Kidd Mrs. E. G., Inc. (Pickles), Richmond, Va.
vKimble G. A. & Bro., Abingdon, Md.
fvKing W. P. & Son, Peach Bottom, Pa.
mKingan & Co. Ltd., W Maryland & Blackford, Indianapolis, Ind.
fKings County Packing Co., Armona, Cal.
fvKinzie T. D., Troutville, Va.
vKirby Canning Co., Trappe, Md.
vKirby & Gallop, Oxford, Md.
vKlindt, Geiger Canning Co., Cassville, Wis.
vKnight Packing Co. (Pickles & Olives), 474 E. Alder, Portland, Ore.
vKnightstown Conserve Co., Knightstown, Ind.
vKnobview Canning Co., Knobview, Mo.
vfKnowles-Lombard Co., Guilford, Conn.
vKrier Preserving Co., Belgium, Wis.
vKroh C. Irving, Silver Run, Md.
Kubias J. C. (Olives), Redlands, Cal.
vKurtz A. E., Forest Hill, Md.
•Kurtz W. W., Moclips, Wash.
vKusske H. P., Mayer, Minn.
•Kyle W. & Sons Co., Florence, Ore.
vfLackland L. C. & Sons, Lithia, Va.
vLa Crescent Canning Co., La Crescent, Minn.
vLadoga Canning Co., Ladoga, Ind.
vLake County Canning Co., Ukiah, Cal.
fvLake Lily Canning Co., Mountain Grove, Mo.
vLapel Canning Co., Lapel, Ind.
Larimer County Co-operative Milk Condensing Co., Loveland, Colo.
vLake Mills Canning Co., Lake Mills, Ia.
Lake Odessa Milk Co., Lake Odessa, Mich.
vLake Shore Canning Co., Sheboygan, Wis.
vLanark Canning Co., Lanark, Ill.
vLanesboro Canning Co. (Pork & Beans), Lanesboro, Minn.
fvLang Canning & Preserving Co., Beatrice, Nebr.
vLange Canning Co., Eau Claire, Wis.
•bfvLangrall J. & Bro., 2105 Aliceanna, Baltimore, Md.
vfbLaning Geo. D., Bridgeton, N. J.
fvbLaning W. & Son Co., Bridgeton, N. J.
vLansdowne, J. T., Stone Mountain, Va.
vLapel Canning Co., Lapel, Ind.
Larimer County Co-operative Milk Condensing Co., Loveland, Colo.
vLarsen Wm. Canning Co., Green Bay, Wis.
vLatane & Watson, Murford, Va.
•Latimer & Lawrence Packing Co., Biloxi, Miss.
bfvLaurel Canning Co., Laurel, Del.
•Lawler Allen J., Southwest Harbor, Me.
•Lawrence Canning Co., Rockland, Me.
•vLawry E. H., Lawry, Me.
vfLayman Bros. Co., Daleville, Va.
fvLayman C. A., Troutville, Va.
fvLayman J. W., Troutville, Va.
fvLayman Wm. F., Roanoke, Va.
vLednum J. F., Preston, Md.
vLednum R. I. & Co., Pocomoke City, Md.
fvLee Canning Co., Hamilton, N. Y.
vLee Chester A., Easton, Md.
vLeeds Packing Co., Easton, Md.
fvLeighton Co-Operative Packers ("High Noon," also Syrup), Flood bldg, San Francisco, Cal.
vLeisure Packing Co., Elwood, Ind.
fLeland Fruit & Packing Co., Leland, Wash.
vLe Roy Canning Co., Le Roy, N. Y.
vLewes Packing Co., Lewes, Del.
vf•bLewis Canning Co., Westport, Cal.
fvLewis County Canning Ass'n, Chehalis, Wash.
vLewis F. C., Hopkins, Va.
vLewisville Canning Co., Lewisville, Ind.
bfmpLibby-McNeill & Libby (Pickles & Olives), U. S. Yards, Chicago, Ill.
vLiberty Brand Canning Co., Dover, Del.
vLiddell G. J., Liberty Grove, Md.
•Lighthiser C. H., 602 William, Baltimore, Md.
vfbLindale Canning Co., Lindale, Tex.
vLingo R. D. & Co., Daysboro, Del.
fvLinn-Benton Fruit Growers' Ass'n, Albany, Ore.
pLippincott Co. (Olives & Chili Sauce), 42 Main, Cincinnati, O.
vLippincott Mrs. J. W., Salem, N. J.
vLloyds Packing Co., Lloyds, Md.
vfbLockport Canning Co., Lockport, N. Y.
•vbLoggie A. & R., Columbia Falls, Me.
Loma Ranch Co. (Olives), Fall Brook, Cal.
vLong Bros., Westover, Md.
fvLang Cider & Canning Co., Brownville, Nebr.
pLong Fruit Products Co., 321 E Yamhill, Portland, Ore.
cLongaker H. G. & Co., Federalsburg, Md.
Los Angeles Olive Growers' Ass'n, Higgins bldg, Los Angeles, Cal.
•Los Angeles Tuna Canning Co., Long Beach, Cal.
•fvLowden G. W., Savannah, Ga.
vbLowekamp Bros., Jessups, Md.
vLowell Canning Co., Lowell, Wis.
•Lower California Fisheries Co., San Diego, Cal.
vLoyd H. C., Goodview, Va.
•Lubec Sardine Co., Lubec, Me.
bfvLudington J. & Co., 2211 Boston, Baltimore, Md.
vLugar C. W., Troutville, Va.
•Lummi Bay Packing Co., Green Bay, Wis
fvLuttrell & Unger, Unger's Store, W. Va.
vLutz Isadore, Bloomington, Ill.
vpLutz & Schramm Co. (Olives & Pickles), 1412 River av, N S, Pittsburgh, Pa.
fvLyndonville Canning Co., Lyndonville, N. Y.
McBrayer Canning Co., McBrayer, Ky.
•McClellanville Canning Co., McClellanville, S. C.
vMcComas G. W. & Co., Monrovia, Md.
vMcComas Geo. W. & Sons, Singer, Md.
vMcCoy Canning Co., Urbana, O.
vMcCready & Webster, Chance, Md.
vMcCullough M., Buchanan, Va.
•McFerran J. W., Fincastle, Va.
•McGowan P. J. & Sons, McGowan, Wash.
•bfvMcGrath H. J. Co., Atlantic Wharf, Baltimore, Md.
McIlhenny Co. ("Tabasco" Pepper Sauce), Avery Island, La.
vMcMurray Louis Pkg. Co., Pontiac, Ill.
McNally Ranch (Olives), La Mirada, Cal.
vMcWain Canning & Packing Co., East Waterford, Me.
•MacNichol Packing Co., Eastport, Me.
fvMagill J. R. Bellingham, Wash.
vMagness R. L. & Co., Emmorton, Md.
vMahon M. J. & C. M., Ellendale, Del.
fpbMalcolm J. B. & Co., Marion, N. Y.
vMangas C. B. & S. D., Vesuvius, Va.
Mansfield Fred C. Co. (Condensed Milk), Johnson Creek, Wis.
•Mansfield Packing Co., Jonesport, Me.
vManteca Canning Co., Manteca, Cal.
fvMarble W. A. & Co., West Farmington, Me.
bvMarengo Canning Co., Marengo, Ind.
vMarkesan Canning Co., Markesan, Wis.
vMarkham F. J., Mumford, Va.
fvMarkham L. R., Lithia, Va.
vMarkland Canning Co., Markland, Ind.
fvMarionville Canning Co., Marionville, Mo.
vfMarr Canning Co., Gravette, Ark.
vMarshall Canning Co., Marshalltown, Ia.
vMarshall L. D., Thaxton, Va.
vfMarshfield Canning Co., Marshfield, Mo.
vMason Canning Co., 3d & Walnut, Cincinnati, O
fvbMason County Fruit Growers' Ass'n, Shelton, Wash.
vMaud Canning Co., Maud, O.
vbMay H. & Co., Egg Harbor City, N. J.
•bMayo A. H., Naskeag, Me.
vMayville Canning Co., Mayville, Wis.
Maywood Packing Co. (Olives), Corning, Cal.
vMedora Canning Co., Medora, Ind.
•Megler J. G. & Co., Brookfield, Wash.
fvMendoza Frank & Son, Dighton, Mass.
Mercurio Bros. Spaghetti Mfg. Co., 829 N 8th, St. Louis, Mo.
vMerrell Canning Co., Harlan, Ia.
vMerrell-Soule Syracuse, N. Y.
vMessenger H. B., Federalsburg, Md.
vfMessenger R. W. & Co., Federalsburg, Md.
vMessick & Harper, Hurlock, Md.
vMessick R. M. & Son, Bethlehem, Md.
vMessick W. F. & Bro., Salisbury, Md.
vMeta Canning Co., Meta, Mo.
Meyenberg Evaporated Milk Co. ("M. M."), 1 Drumm, San Francisco, Cal.
vMiami Canning Co., Lebanon, O.
vMichael John M., Aberdeen, Md.
vMichael W. O., Fountain Green, Md.
vpbMichigan Refining & Preserving Co. (Pickles), Menominee, Mich.
pfvMikesell & Co., Traverse City, Mich.
•Milden Packing Co., Sharps, Va.
vMilford Canning Co., Milford, Ill.
vbMillbourne L. M., Kingston, Md.
•Millbridge Packing Co., Millbridge, Me.
vfMiller D. H. & Co., Moneta, Va.
Miller N. H. (Hominy), Pleasantville, O.
vMiller Thomas D., Havre De Grace, Md.
vMill Shoals Canning Co., Mill Shoals, Ill.
vMilwaukee River Canning Co., Thiensville, Wis.
vMimbres Valley Growers' & Canners' Ass'n, Hondale, N. Mex.
vMinnesota Valley Canning Co., Le Sueur, Minn.
vMinnetonka Canning Co., St. Bonifacius, Minn.
vMinot Packing Co., Mechanic Falls, Me.
vMissing Link Apple Co., Clayton, Ill.
v•Mitchell F. O. & Bro., Perryman, Md.
vMitchell J. S. & Bro., Aberdeen, Md.
vMitchell R. F. & G. H., Aberdeen, Md.
vMitchell M., Aberdeen, Md.
vMitchell Ralph M., Aberdeen, Md.
fvMoab Canning Co., Moab, Utah
Mohawk Condensed Milk Co., 71 Hudson, New York
vMondovi Co-operative Canning Co., Mondovi, Wis.
fvMonmouth Canning Co., 307 Commercial, Portland, Me.
vMonocacy Valley Canning Co., Frederick, Md.
vMonroe Canning & Packing Co., Monroe, Mich.
vfbMonroe County Canning Co., Brockport, N. Y.
fvMonte Vista Packing Co., 519 California, San Francisco, Cal.
•Monterey Packing Co., 110 Market, San Francisco, Cal.
vMontgomery S. P., Buchanan, Va.
vMontpelier Canning Co., Montpelier, O.
vMonticello Canning Co., Monticello, Ia.
fvMonticello Preserving Co., Monticello, Minn
Montvale Canning Co., Montvale, Va.
fvMoomaw G. A., Troutville, Va.
vMorgan Canning Co., Morgan, Utah
vMorgantown Packing Co. (Hominy, Pork & Beans), Morgantown, Ind.
Morehouse Mustard Mills (Mustard & Pickle), 1133 San Fernando rd, Los Angeles, Cal.
vMorlok F., Abingdon, Md.
mvMorrell J. & Co. (Soups), Ottumwa, Ia.
fvMorris Canning Co., Lambertville, N. J.
mMorris & Co. (Milk), Union Stock Yards, Chicago, Ill.
vMorrison Charles H., Aurora, Mo.
vMorrow Packing Co., Morrow, O.
vfbMorton Canning Co., Morton, N. Y.
fvMoulton W. A., Phoenix, N. Y.
vMount Calvary Canning Co., Mount Calvary, Wis.
fvbMount Morris Canning Co., Mount Morris, N. Y.
vMount Pleasant Canning Co., Mount Pleasant, Ia.
Mt. Vernon Cream Co. (Milk), Seattle, Wash.
vMullen - Blackledge - Nellis Co. (Chili Sauce), Brazil, Ind.
vMuller Bros. (Pickles & Catsup), Oakland, Cal.
Munson Bros. (Olives), Phoenix, Ariz.
vMurphy C. & Sons, Rocks, Md.

(Continued on following page)

Canned Goods—Continued

fvMurray G. M. Sons Canning Co., Odenton, Md.
vMurray & Patterson, Hollins, Va.
fMusselman Canning Co., Biglersville, Pa.
•Myers G. T. & Co., Seattle, Wash.
vMyers W. H. & Co., Bryansville, Pa.
vNable R. F. & Co., Cannon, Del.
•Nahcotta Canning Co., South Bend, Wash.
•Naknek Packing Co., San Francisco, Cal.
vNaomi Canning Co. (Hominy), Edinburg, Ind.
fvbNational Canning Co., Olympia, Wash.
National Pickle & Canning Co., Blue Island, Ill.
National Packing Corp. ("Blue-Bunny," "Napaco," 'Red Mount," "Sunny Garden"), Ogden, Utah
vNauvoo Canning Co., Nauvoo, Ill.
vbNeal W. H. & Son Co., Hurlock, Md.
vNeenah Packing Co., Neenah, Va.
vNeillsville Canning Co., Neillsville, Wis.
fvNelson Canning Co., Galena, Mo.
vNeosho Canning Co., Neosho, Mo.
fvNester P. H., Thaxton, Va.
Nestles Food Co. (Prepared Food), 136 William, New York
vfbNevada County Cannery Ass'n, Grass Valley, Cal.
fvbNew Era Canning Co., New Era, Mich.
vNew Hartford Canning Co., Ltd., New Hartford, N. Y.
vNew Holstein Canning Co., New Holstein, Wis.
vNew Lisbon Canning Co., New Lisbon, Ind.
vNew Stone Canning Co., Fordland, Mo.
vNewtonsville Canning Co., Newtonsville, O.
cNixa Canning Co., Nixa, Mo.
vNoble A., Preston, Md.
fvNoell J. A., Bedford, Va.
vfNofsinger M. P., Fincastle, Va.
vNominy Grove Canning Co., Nominy Grove, Va.
vfNorfolk Packing Co. (Pork & Beans), Norfolk, Nebr.
vNorris J. T., Van Bibber, Md.
•North American Tuna Canning Co., Terminal, Cal.
•North Lubec Mfg. & Canning Co., North Lubec, Me.
vNorth Ogden Canning Co., North Ogden, Utah.
•North Pacific Trading & Packing Co., Hobart bldg, San Francisco, Cal.
fvbNortheast Preserving Wks., North East, Pa.
vNorthern Maine Packing Co., Corinna, Me.
bvfpNumsen Wm. & Sons, 18 Light, Baltimore, Md.
vNuttle H. T. & H. H., Hobbs, Md.
vOak Grove Canning Co., Oak Grove, Va.
fOakton Canning Co., Oakton, Ky.
Oatman Condensed Milk Co., Dundee, Ill.
vfObenshain Wm., Nace, Va.
vfObenshain J. B. & Sons, Montvale, Va.
vOcean Shore Canning Co., 112 Market, San Francisco, Cal.
•Ocean Springs Packing Co., Ocean Springs, Miss.
fvbOceana Canning Co., Shelby, Mich.
vOdessa Canning Co., Oak Grove, Mo.
Ohio Dairy Co. (Milk), Toledo, O.
vOhio Valley Canning Co., Charlestown, Ind.
vfOld Homestead Cannery Co., Fork Union, Va.
vOlivia Canning, Preserving & Mfg. Co., Olivia, Minn.
vfbOlney B. Canning Co. (Pork & Beans), Oneida, N. Y.
vOlney & Floyd, Westernville, N. Y.
vOmaha Canning Co., Omaha, Ill
vOnohundro T. E., Farmers Fork, Va.
vOnalaska Pickle & Canning Co. (Olives), Onalaska, Wis.
vOneida County Canning Co., Ltd., Verona, N. Y.
vOostburg Canning Co., Oostburg, Wis.
vfOregon Canning Co., Oregon, Mo.
•Oregon Fisheries Co., Bay City, Ore.
fvOregon Packing Co., 4 W. E. Alder, Portland, Ore.
vfOrleans County Canning Co., Barre Center, N. Y.
fOrrtanna Canning Co., Orrtanna, Pa.
Ortega, E. C. (Green Chiles & Pimientos), 602 Santa Fe av, Los Angeles, Cal.
vOsborn H. A., Havre De Grace, Md.
fvbOsborn W. H. Co., Honeoye Falls, N. Y.
vfOsborn & Whitney, Rush, N. Y.
vfOswego Preserving Co., Oswego, N. Y.
vOtisco Canning Co., Otisco, Ind.
fvOtoe Food Products Co. ("Otoe," "Pioneer," "Aborall," "Luxury" & "Shepard" Brands), Nebraska City, Nebr.
vOwatonna Canning Co., Owatonna, Minn.
vOwen Canning Co., Owen, Wis.
vOwens A. H. & Bro., Perryville, Md.
fvOwensboro Canning Co., Owensboro, Ky.
vfOwosso Canning Co., Owosso, Mich.
•Pacific-American Fisheries, South Bellingham, Wash.
Pacific Coast Condensed Milk Co., Berlin, Wis.
bfvPacific Coast Canning Co., Oakland, Cal.
pmPacific Coast Syrup Co. (Honey), San Francisco, Cal.
Pacific Creamery Co. (Milk), Tempe, Ariz.
•Pacific Fish Co., 112 Market, San Francisco, Cal.
•Pacific Fisheries & Packing Co., Aberdeen, Wash.
vPacific Pea Packing Co., Eau Claire, Wis.
•Pacific Tuna Canning Co., San Diego, Cal.
vPacific Vinegar & Pickle Wks., 110 Market, San Francisco, Cal.
Page Milk Co., Ubly, Mich.
Page Thos. (Catsup), Albion, N. Y.
vParks & Bros., Kinsale, Va.
vParkston Canning Co., Parkston, S. D.
vfPasadena Canning Co., Pasadena, Cal.
vPatchett J. P., Federalsburg, Md.
vPaxton Canning Co., Paxton, Ill.
vPayne Mfg. & Canning Co., Payne, O.
vbPearson A. E. & Son, Lottsburg, Va.
fvPeck C. L. & Sons, Fincastle, Va.
fvPecke & Pratt, Hilton, N. Y.
fvPecos Valley Farm Products Co., Dayton, N. Mex.
vPekin Canning Co., Salem, Ind.
•Pelican Lake Oyster & Packing Co., Ltd., Houma, La.
Penick & Ford, Ltd. (Molasses & Syrups), **Whitney bldg., New Orleans, La.**
vPennington Canning Co., Pennington, N. J.
vfpbPerry O. H. & Son, Manlius, N. Y.
Perry Packing Co. (Condensed Milk), Perry, Ia.
vPeru Canning Co., Peru, Ind.
fvPeru Canning & Mfg. Co., Peru, Nebr.
•Petersburg Packing Co., Seattle, Wash.
vPetersburg Sanitary Canning Co., Petersburg, Ind.
bfpvPharr King (Honey), Catherine, Ala.
vPhelps H., North Bay, N. Y.
vfPhiladelphia Pickling Co. (Pickles & Honey), 262 S 2d, Phila., Pa.
vPhillips J. H. Sons, Berkeley Springs, W. Va.
vfPhillips Packing Co., Cambridge, Md.
vPhillips, Waller Co., Salisbury, Md.
bfvpPierce City Packing Co., Pierce City, Mo.
vPioneer Canning Co., St. Henry, O.
vPioneer Canning & Pickling Co., St. Nazianz, Wis.
fPlacer County Growers' Ass'n, Lincoln, Cal.
vPlainville Canning Co., Plainville, Ind.
vfbPlatt & Co., Key Highway & Boyle, Baltimore, Md.
fvbPleasant Grove Canning Co., Pleasant Grove, Utah
vPlum Point Canning Co., Plum Point, Md.
vPlymouth Canning Co., Plymouth, Wis.
•Point Lobos Canning Co., Monterey, Cal.
Polk, T. J. Co. (Soups & Hominy), Dept. H, Mound City, Ill.
vfPomona Valley Canning Co., Pomona, Cal.
mPond E. K. Packing Co, 517 W 24th pl, Chicago, Ill.
Portland Packing Co., Portland, Me.
•Portland Products Co., South Portland, Me.
vPowellsville Canning Co., Powellsville, Md.
vPrairie City Canning Co., Prairie du Chien, Wis.
bfvPrairie Grove Vinegar & Preserving Co., Prairie Grove, Ark.
vPrairie State Canning Co., El Paso, Ill.
vPrairie View Canning Co., Randolph, Wis.
fPratt, J. W., Farmington, Me.
vfbPratt Low Preserving Co., Santa Clara, Cal.
•Premier Packing Co., San Diego, Cal.
vPressing W. C. Canning Co., Norwalk, O.
fvPreston Canning Co., Preston, Md.
vPreston Harry T., Middletown, Del.
vPreston W. T. & A., Aberdeen, Md.
fvPrettyman G. H., Milford, Del.
Price-Booker Mfg. Co. (Catsup, Pickles & Chili Sauce), Houston Heights, Tex.
vPrice D. E. & Son, Darlington, Md.
fvpPride W. H. & Co., Bellingham, Wash.
fvPrince H. G. & Co., 29th av at S. P. RR., Oakland, Cal.
vPrinceton Canning Co., Brownsburg, Ind.
fvpbPritchard E (Plum Pudding), Bridgeton, N. J.
fProspect Canning Co., Bedford, Va.
•Prosper Canning Co., Prosper, Ore.
fvbPyle J. F. & Son, San Jose, Cal.
vQuenponco Packing Co., Newark, Md.
vRacine Canning Co., Racine, O.
fvRader F. B., Troutville, Va.
vRalph C. S. & Bro., Vienna, Md.
vRandolph Canning Co., Randolph, Wis.
Ratliff Pure Food Products Co. (Chili Sauce), Fort Worth, Tex.
vReaburn J. H., Nace, Va.
vReber A. C., Ridgley, Md.
mvReber Preserving Co. (Hominy), Eola, Ill.
vReckord Bros., Bel Air, Md.
vRecords E. M. Co., Forest, Del.
fRed Apple Orchard Corp., Shipman, Va.
vfRed Creek Canning Co., Red Creek, N. Y.
vRed Oak Canning Co., Red Oak, Ia.
Redden G. T. & Co., Denton, Md.
vReece E. G., Canning Co., Waldron, Ind.
fvReed C. D., Troutville, Va.
vReedsburg Canning Co., Eau Claire, Wis.
vReese E. C., Harrington, Del.
vReese S. P. & Co., Harrington, Del.
vRehoboth Packing Co., Rehoboth Beach, Del.
pvReid, Murdoch & Co. (Pickles & Olives), Clark st. Bridge, Chicago, Ill.
vRemington Packing Co., Moorhead, Minn.
vRenfrew R. M., Fayette, Pa.
fvReynolds E. W., Troutville, Va.
vReynolds J. S. & Co., Frederica, Del.
Reynolds Preserving Co., Sturgeon Bay, Wis.
vReynolds S. H., Nace, Va.
fRheimstrom Bros. Co., 919 Martin, Pearl & E Front, Cincinnati, O.
vRich J. W., Deer Creek, Ill.
vRichardson T. P., Boone Mill, Va.
vRichardson W. R. & Sons, Troutville, Va.
vRichardson W. T. & Co., Rising Sun, Md.
vRichardson & Robbins Co., Dover, Del.
fvRichmond-Chase Co., San Jose, Cal.
fRicks Bros., Reynolds, Ga.
vRider Packing Co. (Hominy), Crothersville, Ind.
vRidersville Canning Co., Ridersville, W. Va.
fvRiely H. M. & Bros., Blue Ridge Springs, Va.
•Riggin R. & Bro., Crisfield, Md.
vRiley Packing Co., Farmington, Del.
Ripon Conning Co., Ripon, Wis.
vpbRitter P. J. Conserve Co. (Soups & Olives), **2156 E Dauphin, Phila., Pa.**
fvRiverside Canning Co. (Pickles & Hominy), Hamburg, Ia.
fvRiverton Canning Co. (Chili Sauce), Riverton, Utah
vRiverview Canning Co., Streator, Ill.
vfbRoach W. R. & Co., Hart, Mich.
vfbRoberts Bros., 416 E Lexington, Baltimore, Md.
vRoberts H. W., Clara, Md.
vfRoberts W. H. & Co. (Peanut Butter), 1011 S Lakewood av, Baltimore, Md.
vRobinson A. S., Fallston, Md.
•Robinson Quincy, Warrenton, Ore.
vfbRobinson S. M. & Co., 607 S. Luzerne av, Baltimore, Md.
Robinson T. K. Co. (Molasses), Vicksburg, Miss.
fvRobinson W. E. & Co., Bel Air, Md.
vRochester Canning Co., Rochester, Ind.
vRockfield Canning Co., Rockfield, Wis.
vRock Island Canning Co., Sears, Ill.
vRock Springs Canning Co., Allenton, Mo.
fvbRocky Ford Canning & Mfg. Co., Rocky Ford, Colo.
fRoddenberry W. B. (Molasses), Cairo, Ga.
vRoe F. B. Co., Greensboro, Md.
Roeding Fig & Olive Co., Fresno, Cal.
fRogue River Valley Canning Co., Medford, Ore.
vRoot J. V., Versailles, Ill.
vRose & Williams, Princess Anne, Md.
vRoss E. C., Seaford, Del.
fvRossville Canning Co., Rossville, Ill.
Royal Packing Co. (Catsup, Chili Sauce, Chile Powder, Peppers & Spanish Pimientos), 1815 Sacramento, Los Angeles, Cal.
vRoyal Packing Co., Milton, Del.
vRoyal Packing Co., Windfall, Ind.
vRuff E. G., Delta, Pa.
vRuff & Rehmeyer, Woodbine, Pa.
•Ruge Bros. Canning Co., Apalachicola, Fla.
vRussell W. L. & Son, Mila, Va.
vRussellville Packing Co., Russellville, O.
vRutland Canning Co., Rutland, O.
vSachem's Head Canning Co., Guilford, Conn.
vSac City Canning Co., Sac City, Ia.
fvSaco Valley Canning Co., Press bldg, Portland, Me.
vSadler Canning Co., Cicero, N. Y.
vSailors' Packing Co., Kokomo, Ind.
vSt. Thomas Canning Co., St. Thomas, Mo.
vSalem Canning Co., Salem, N. J.
vSalem Ernest, Phalanx, N. J.
vSalem Supply Co., Salem, N. J.
•Salina Packing Co., Anacortes, Wash.
fvbSalter Canning Co., North Rose, N. Y.
vSamels Bros. & White, Chaska, Minn.
•Sanborn-Cutting Co., Astoria, Ore.
vSandy Ford Canning Co., Thaxton, Va.
vSanford W. H., Tucker Hill, Va.
fvSanguinetti Canning Co., Mountain View, Cal.
vSanitary Canning Co., Westphalia, Ind.
•Sanitary Fish Co., Anacortes, Wash.
vSanitary Packing Co., Hollandsburg, O.
fvSan Jose Canning Co., San Jose, Cal.
•San Juan Canning Co., Friday Harbor, Wash.
•San Juan Fishing & Packing Co., Seattle, Wash.
fvSanta Clara Produce Canning Co., San Jose, Cal.
fSanta Cruz Fruit Packing Co., 9 Main, San Francisco, Cal.
fvSarcoxie Canning Co., Sarcoxie, Mo.
vSauk City Canning & Pickling Co., Sauk City, Wis.
vSaulsbury Bros., Ridgely, Md.
pvSawyer Canning Co., Atkinson, N. H.
Sayres Iven H., Westminster, Md.
vfbSchall Packing Co., Atlantic Wharf, Baltimore, Md.
vScience Hill Canning Co., Science Hill, Ky.
Scio Condensed Milk Co., Scio, Oreg.
vScott C. M. Packing Co., Dover, Del.
fvScotten Geo. P. & Son, Magnolia, Del.
vfScottsburg Canning Co. (Hominy), Scottsburg, Ind.
vScoville H. D., Constantia, N. Y.
fScutt Frank, Verbank Village, N. Y.
•Sea Beach Packing Wks., Aberdeen Wash.
•Seaborg B. A., Gold Beach, Ore.
•Sea Coast Canning Co., Eastport, Me.
•fSea Food Co., Biloxi, Miss.
vSears C. E. & Co. (Hominy), Circleville, O.
vSears D. M. Co. (Pickles & Hominy), Fort Wayne, Ind.
vfbSears & Nichols Canning Co. (Hominy), Chillicothe, O.
vSeaside Canning Co., Ocean City, Md.
fvSecrist & Camper, Buchanan, Va.
vSelbyville Packing Co., Selbyville, Del.
vSellman A. B. & Bro., Watersville, Md.

Seneca Kraut & Pickling Co., Geneva, N. Y.
fvSeufert Bros. Co., The Dalles, Ore.
fvSharon Center Canning Co., Sharon Center, O.
vSharp J. V. Canning Co., Williamstown, N. J.
vSharpsville Canning Co., Sharpsville, Ind.
vfbShaver J. W., Troutville, Va.
pShaw Family Inc., San Jose, Cal.
vShawano Canning Co., Shawano, Wis.
Sheffield Condensed Milk Co. ("Sealect"), 524 W 57th, New York
vSheldrake J. W., Harrington, Del.
fvShenandoah Packing Co., Starkey, Va.
vSheridan Packing & Mercantile Co., Sheridan, Ind.
vSherman Preserving Co., Sherman, N. Y.
•vSherwood Canning Co., Sherwood, Md.
vShields L. H., English, Ind.
vfShimp E. Co., Hancock's Bridge, N. J.
vShimp & Harris, Canton, N. J.
vShowalter S. C. & Son, Troutville, Va.
vShowell Mfg. Co., Showell, Md.
vShriver B. F. Co., Westminster, Md.
vSilver C. B., Havre De Grace, Md.
vSilver Geo. O., Havre De Grace, Md.
vSilver W. F., Havre De Grace, Md.
vSimmons R. L. Co., Andrews, Md.
vSimpson Packing Co., Trappe, Md.
vSink Wm Canning Co., Brandon, Wis.
vfSizer E. T., Buchanan, Va.
fSkagit Valley Fruit Growers' Ass'n., Burlington, Wash.
vSkilliman A. A., Belcamp, Md.
vSlagel C. W. & Son, Davenport, Nebr.
•vfSlaight E. E. & Co., Seaford, Va.
vSlessman & Sons, Clyde, O.
vSmiley F. L. & Son, Roanoke, Va.
•Smiley J. L. & Co., Blaine, Wash.
•Smiley J. W. & Co., Buchanan, Va.
vSmith, Burkley & Billingslea, Taylors Bridge, Del.
vSmith C. C., Airville, Pa.
vfSmith Canning Co., 116 S Front, Phila., Pa.
vSmith F. I., Madison, Ind.
vSmith J. Colby & Son, Willow Grove, Del.
vfSmith J. T., Fawn Grove, Pa.
vfSmith-Yingling Co., Westminster, Md.
vfSmithfield's Pure Food Co., Clarkson, N. Y.
pSmucker J. M. (Apple Butter), Orrville, O.
vSnider T. A. Preserve Co. (Soups, Catsup, Chili Sauce, Pork & Beans), 1018 S Wabash ave, Chicago, Ill.
Snohomish Dairy Products Co., Snohomish, Wash.
•fvSnow Flake Canning Co., Brunswick, Me.
fbSodus Canning Co., Sodus, N. Y.
•Solomon Packing Co., North Cove, Wash.
vSomerset Packing Co., Upper Fairmount, Md.
Soper A. C. Co. (Catsup & Sauces), Farmingdale, N. J.
•South Coast Canning Co., Long Beach, Cal.
fvbSouth Haven Preserving Co., South Haven, Mich.
vSouth Jersey Canning Co., Pedricktown, N. J.
vSouth Lebanon Canning Co., South Lebanon, O.
fvSouthern California Canning Co., Ontario, Cal.
Southern Product Co. (Syrup), Seminary, Miss.
vSouthern Syrup Co. (Molasses & Syrups), Montgomery, Ala.
vSpedden Packing Co., James, Md.
vSpence J. H., Smithville, Md.
pSpencer Wm. M. Sons Co. (Apple Butter), 317 E 2nd, Cincinnati, O.
vSpickard C. H. & Son, Blue Ridge Springs, Va.
vSpigle W. G., Troutville, Va.
•vSpindler V. G., Halethorpe, Md.
fvbSpringbrook Canning Co., Springbrook, Ore.
vSpring Valley Packing Co., Spring Valley, O.
fvSpringville Canning Co., Springville, N. Y.
fvSpringville Canning Co., Springville, Utah
•Stafford-Crandall Packing & Fishing Co., Wilmington, Cal.
fvStandard Canning Co., Noblesville, Ind.
Standard Refining Co. (Syrups & Molasses), 217 West, New York
pStandard Syrup Co. (Apple Butter, Molasses & Syrups), 1017 Chouteau, St. Louis, Mo.
vStanley C. C., Hollins, Va.
vfStanley H. A., Bedford, Va.
vStar Canning Co., Roy, Utah
vStathem-Cosier Co., Newport, N. J.
vbStaton-Moore Canning Co., Fruitland, Md.
vSteel W. B., Port Deposit, Md.
vSteinke E. H. Canning Co., Benton Harbor, Mich.
bfvStetson F. F. & Co., 325 San Fernando blvd, Los Angeles, Cal.
fvStetson & Ellison Co., Camden, Del.
vStevens C. S. & Son, Cedarville, N. J.
vStevens H. E., Nace, Va.
fvStevens J. E., Nace, Va.
vStevens T. D., Troutville, Va.
vStevens W. L. Inc., Cape May, N. J.
vStevens & Caskey, Hemlock, N. Y.
•bStewart A. L. & Sons, Cherryfield, Me.
vStewart J. Roland, Cambridge, Md.
vStittville Canning Co., Stittville, N. Y.
vfbStokely Bros. & Co. (Hominy), Newport, Tenn.
vStockham E. V., Perryman, Md.
vStocking Geo. E., Rochelle, Ill.
f•Stockton Canning Co., Stockton Springs, Me.
vStoops Packing Co., Van Wert, O.
vStoutamire P. W., Salem, Va.
Stoutmire Geo. W., Roanoke, Va.
vStrasbaugh Henry P., Aberdeen, Md.
vStrickler Bros. Canning Co., Tippecanoe City, O.
vSudlersville Canning Co., Sudlersville, Md.
Sugar River Canning Co. (Milk), Waukesha, Wis.
Sullivan Condensed Milk Co., Sullivan, Wis.
vSummers C. G. & Co., Russell & Carey, Baltimore, Md.
vSummit Canning Co., Akron, Ind.
vSun Prairie Canning Co., Sun Prairie, Wis.
vSunbright Canning Co., Dickson, Tenn.
vfpSunlit Fruit Co., 112 Market, San Francisco, Cal.
Sunny Cal. Packing Corp. (Fruits), Oroville, Cal.
fbSunnyvale Canneries, Sunnyvale, Cal.
bfSunset Canning Co., Pomona, Cal.
•Sunset Packing Co., West Pembroke, Me.
•Surf Packing Co., Aberdeen, Wash.
vSwaim C. W. Canning Co., Sabina, O.
vSwayzee Canning Co., Swayzee, Ind.
vSweet Thomas J. & Co. (Catsup), Albion, N. Y.
vSwing Bros., Ridgley, Md.
vSwing J. M. & Bro., Greensboro, Md.
mvSycamore Preserve Wks., Sycamore, Ill.
•Taft Fish Co., Taft, Va.
vTalbot Packing & Preserving Co., Easton, Md.
•Tallant-Grant Packing Co., Astoria, Ore.
vfbTanner Bros. Co., Oakfield, N. Y.
vfTate C. L. & Co., Arnold, Md.
bTaylor Bros., La Grange, Ky.
fvTaylor Fruit & Canning Co., Lockport, N. Y.
bfpvTaylor J. E. & Co. (Olives), Santa Ana, Cal.
vTaylor J. W., Hallwood, Va.
vTaylorsville Mfg. Co., Taylorsville, Ky.
vTell City Canning Co., Tell City, Ind.
vTemin Wm. & Son, Hartley, Del.
vTempleman's Milling & Canning Co., Templeman Cross Roads, Va.
•Thlinket Packing Co., 82 W Park, Portland, Ore.
fvThomas-Body Co., 900 19th av, Oakland, Cal.
vThomas Bros., Elliston, Va.
fvbThomas Canning Co., Grand Rapids, Mich.
fThomas G. H. & Co., Farmington Falls, Me.
vThomas S. C., Weems, Va.
fvThompson Bros., East Haddam, Conn.
fvThompson Bros., Cabool, Mo.
•vfbThorndike & Hix, Rockland, Me.
vThornton Bros. & Co., Springboro, Pa.
vThrasher R. H., Springwood, Va.
vTilghman Canning Co., Tilghman, Md.
•Tilghman Packing Co., Tilghman, Md.
vTipton Farmer Canning Co., Tipton, Ia.
vTomato Products Co., Paoli, Ind.
Torbitt & Castleman Co. (Molasses), Louisville, Ky.
vf•bTorsch Packing Co. (Hominy), Fort av, Clement & Lawrence, Baltimore, Md.
vTowers L. B. & Bro., Denton, Md.
vTowner Jay F. & Sons, Perryman, Md.
vTownsend J. G. & Co. Jr., Selbyville, Del.
vTownsend Jas. & Son, Masten, Del.
vTrappe Canning Co., Aberdeen, Md.
vfbTraver W. M. Co., Hartford, Mich.
vTravers J. R., Nanticoke, Md.
vTrevey Bros., Nace, Va.
vTripoli Canning Co., Tripoli, Ia.
bfvTrue L. P. & Co., Hope, Me.
vTuhey Canning Co., Muncie, Ind.
fTulare County Growers' Ass'n. (Olives), Porterville, Cal.
vTuttle & Co., McConnellsville, N. Y.
•fbpvTwitchell-Champlin Co., 252 Commercial, Portland, Me.
vTyaskin Packing Co., Tyaskin, Md.
•Umpqua Co-operative Packing Co., Gardiner, Ore.
•mUnderwood W. Co., 52 Fulton, Boston, Mass.
vUnion City Canning Co. (Hominy), Union City, Tenn.
•Union Fishermen's Co-operative Packing Co., Astoria, Ore.
•Union Sardine Co., Lubec, Me.
vUrbana Canning Co., Urbana, O.
vUtah Canning Co. (Soups, Pork & Beans), Ogden, Utah
Utah Condensed Milk Co., Richmond, Utah
fvUtica Canning Co., Utica, N. Y.
vValders Canning Co., Valders, Wis.
Valecia Evaporated Milk Co., Madison, Wis.
bfvValley Canning Co., Newberg, Ore.
vValley Cash Canning Co., Montvale, Va.
vValley Packing Co., Lebanon, O.
v•Valliant W. H. & Bros., Bellevue, Md.
vVallonia Canning Co. (Hominy), Vallonia, Ind.
vVan Camp Geo. & Sons Co., Westfield, Ind.
vVan Camp Packing Co. (Milk, Soups & Hominy), Kentucky av & Rirea, Indianapolis, Ind.
•Van Camp Sea Food Co., San Pedro, Cal.
fVarn & Platt Co., Savannah, Ga.
mVette & Zuncker, 220 N Green, Chicago, Ill.
vfbVictor Preserving Co., Victor, N. Y.
vVienna Canning Co., Vienna, Ind.
vVinton Canning Co., Vinton, Ia.
fVirden Packing Co., Alexander bldg, San Francisco, Cal.
Voss H. F. Co., Inc. (Salad Oil, Catsup, etc.), 326 Park av, Brooklyn
vWabash Canning Co., Wabash, Ind.
vWaco Canning Co.. Waco, Ky.
vWaddington & Holme, Naylors, Va.
vf•pbWagner M. Co., New Pier 2, Pratt, Baltimore, Md.
vWagoner J. (Pickles), 516 N 2nd, St. Louis, Mo.
vWaldo Canning Co., Waldo, Wis.
bfpWales Geo. E., Newton Center, Mass.
vWalker Bros., Aberdeen, Md.
vWarrenburg Canning Co., Warrenburg, Ill.
vWarren-Harshman Canning Co., Saratoga, Ind.
•Warren Packing Co., Yeon bldg., Portland, Ore.
•Warrenton Clam Co., Warrenton, Ore.
vWashburn Canning Co., Washburn, Mo.
vWaterford Canning Co., Waterford, Ky.
vWaterloo Canning Ass'n., Waterloo, Wis.
vWaterloo Canning Co., Waterloo, Ia.
vWatertown Canning Co., Watertown, Wis.
vWatkins Packing Co., Odessa, Del.
vWatson Bros Co., Greenwich, N. J.
vWaupun Canning Co., Waupun, Wis.
vWausau Canning Co., Wausau, Wis.
vfWayland Canning Co., Wayland, N. Y.
Wayne Canning Co., Wayne, Mich.
Wayne County Canning Co. Ltd., Marion, N. Y.
vWaynesville Canning Co., Waynesville, O.
fvWebb H. F. Co., 57 Exchange, Portland, Me.
vWebb W. H., Bloomingdale, Ind.
vWebster-Butterfield Co., 2219 Boston, Baltimore, Md.
vWebster C., East New Market, Md.
fvpbWebster Canning & Preserving Co., Webster, N. Y.
fvWebster County Canning Co., Marshfield, Mo.
vWebster Frederick L., Adams, N. Y.
fvWebster N., Cambridge, Md.
vWebster R., Hurlock, Md.
vWebster W. & Co., Vienna, Md.
vWeir Canning Co., Toledo, Ia.
fWelch Bros. Apple Co., Burlington, Vt.
bvWelch Mary E. & Co., Thaxton, Va.
vWeller J. Co. (Pickles), Oak Harbor, O.
vWest Bend Canning Co., West Bend, Wis.
m•West Coast Packing Co., Long Beach, Cal.
•vbWest River Canning Co., Galloways, Md.
vWest Salem Canning Co., West Salem, Wis.
vWestmoreland Canning Co., Mount Holly, Va.
bvfWexford Canning & Preserving Co., Wexford, Mich.
bWhitby C. H. & Son, Denton, Md.
fbvWhite Cloud Canning Co., White Cloud, Mich.
vWhite J. Cleveland & Co., Salisbury, Md.
vWhiteford J. S., Whiteford, Md.
vWhiteford W. S. & Sons, Whiteford, Md.
vWhitehead Fred H., Lincoln, Del.
fvWhitesburg Canning Co., Whitesburg Tenn.
•White Star Canning Co., San Pedro, Cal.
vWhitewater Canning Co., Whitewater, Wis.
vfWhitson C. P., Swannawoa, N. C.
vWhittington W. L. & Co., Hopewell, Md.
vWhittington W. R. & Sons, Marion Station, Md.
vWieneke-Hoerr Co., Dubuque, Ia.
vWigley H. C. & Bro., Millersville, Md.
vWilkinson G. A., Nottingham, Pa.
vWill & Sixbury, Cleveland, N. Y.
•Willapa Harbor Fish Co., South Bend, Wash.
fvbWillard Canning Co., Ogden, Utah
vWilliams B. S. & Son, Buchanan, Va.
•bWilliams G. N., Cutler, Me.
vWilliamsburg Canning Co., Williamsburg, O.
vWilliamsburg Packing Co., Williamsburg, Md.
vWilliamson H. M., Nace, Va.
vWilliamson J. A. & Co., Springwood, Va.
fvWilliamsport Canning Co., Williamsport, Ind.
vWilling J. W. & Son, Nanticoke, Md.
fvWills F. A. & C. C., Troutville, Va.
fvWillson A. H., Vineland, N. J.
vWilson A. H., Aberdeen, Md.
vWilson Canning Co., Hebron, Md.
vfbWilson Canning Co., Mexico, N. Y.
vWilson Jas. T. & Co., Delmar, Del.
Wilson & Co., Union Stock Yards, Chicago, Ill.
vWilson & Merrick, Ingleside, Md.
bfWindholz Chas. A., Syracuse, N. Y.
vWindsor Cove Packing Co., Jesterville, Md.
vWindy Hill Packing Co., Easton, Md.
vfWinebrenner D. E. Co., Hanover, Pa.
vbWinorr Canning Co., Circleville, O.
vfWinters Canning Co. (Olives), Winters, Cal.
vWinters & Prophet Canning Co., Mount Morris, N. Y.
vWinthrop Canning Co., Winthrop, Minn.
Wisconsin Butter & Cheese Co. (Milk), Waukesha, Wis.
vWisconsin Canning Co., Winneconne, Wis.
Wisconsin Condensed Milk Co., Burlington, Wis.
vWisconsin Pea Canners Co., Manitowoc, Wis.

(Continued on following page)

Canned Goods—Continued

bfWoldert Alex. Co. (Peanut Butter), Tyler, Texas
vfpbWomack A. L. Co. (Hominy), Bristol, Tenn.
vWood N. A., Troutville, Va.
vWoods Cross Canning Co., Woods Cross Utah
vWoodsboro Canning Co., Woodsboro, Md
vfWool F. G. Packing Co., San Jose, Cal
fvWoolford Packing Co., Washington & Aliceanna, Baltimore, Md.
vpWooster Preserving Co. (Pickles & Catsup), Wooster, O.
Workman Packing Co. (Soups, Chili Sauce, Pork & Beans), 432 7th, San Francisco, Cal.
vWood W. G. & Sons, Roanoke, Va.
vWright Canning Co., Aberdeen, Md.
vWright F., Federalsburg, Md.
vWright O. H., Vinton, Va.
vWright W. J. & Son, Choptank, Md.
vfbWright-Whittier Co., Ogden, Utah
vWright & Saunders, Bedford, Va.
vWrightson C. T., Easton, Md.
*Wyman Canning Co., Millbridge, Me.
*bWyman J. & Son, Millbridge, Me.
vWyoming Canning & Preserving Co., Wyoming, N. Y.
vYeager & Halstead, Cortland, N. Y.
fvYale Canning Co., Yale, Mich.
vfbYates County Canning Co., Penn Yan, N. Y.
vYellow Springs Canning Co., Yellow Springs, O.
fvYingling Jos. P., Pleasant Valley, Md.
vZacheis W. B & J. S., Port Penn, Del.
vZiegler Canning & Preserving Co., Muscatine, Ia.
vZimmerman Bros., Bedford, Va.

1829a—Canners' Exhaust Boxes

Anderson Barngrover Mfg. Co., 333 W Julian, San Jose, Cal.
ANDERSON FILLING MACHINE CO. (Rotary Exhausters), Webster Junction, Alameda, Cal.
Burpee & Letson, Bellingham, Wash.
California Canning Machinery Co., 776 W 10th, Riverside, Cal.
Premier Machinery Co., 310 Sansome, San Francisco, Cal.
See adv index at end of book
Smith Mfg. Co. Inc., Stockton & Alameda av, San Jose, Cal.
VULCAN MACHINE CO., 90 N 4th, Portland, Ore.
See adv index at end of book
Wright & Smith Mach. Wks., Inc. (Steam & Hot Water), King Street Docks, Seattle, Wash.

1829b—Canning Apparatus

(Names with * also manufacture Monel Metal)
Andrews Wire & Iron Works ("Andrews" Racks), Rockford, Ill.
*Beckley Perforating Co., Garwood, N. J.
Biddle-Gaumer Co. ("Mudge" Hot Water Bath), 3846 Lancaster av, Phila., Pa.
*Cleveland Wire Cloth Co., Cleveland, O.
Hamblin & Russell Mfg. Co. ("Flanders" Racks), 28 Water, Worcester, Mass.
*Hendrick Mfg. Co., Carbondale, Pa.
Henninger & Ayes Mfg. Co. ("H. & A." Steam Pressure), 505 N 29th, Portland, Ore.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Howard & Morse, 1197 De Kalo av, Brooklyn, N. Y.
*Jelliff Mfg. Corp., C. O., Southport, Conn.
Kerr Wire Products Co. ("Handy" Rack), 325 W Randolph, Chicago, Ill.
Langsenkamp F. H., 130 E Georgia, Indianapolis, Ind.
*Magosy & Buscher, 232 Canal, New York
McAleer E. J. & Co. ("McAleer" Cold Pack), 1422 N 8th, Phila., Pa.
*Munning & Co., A. P., Matawan, N. J.
Northwestern Steel & Iron Works ("National" Aluminum, 10-qt. size; "National Junior No. 1" Pressure), Eau Claire, Wis.
Parker Wire Goods Co. ("Parker" No. 2 Racks), Worcester, Mass.
Premier Machinery Co., 310 Sansome, San Francisco, Cal.
See adv index at end of book
Pressure Cooker Co. ("Denver"), 322 B'way, Denver, Cal.
Sechrist Albert Mfg. Co. ("Sechrist" Electric & Gas Pressure), 1717 Logan av, Denver, Col.
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co., John P., New Haven, Conn.
Sprague-Sells Corp., 508 N Dearborn, Chicago
*Steel Products Mfg. Co., Cicero, Ill.
Stern Chas. & Sons., Hellman, I. W bldg, Los Angeles, Cal.
*Taylor Disc Co., Mansfield, O.
Toledo Cooker Co. ("Canservo" Condensed Steam), 1501 W Bancroft, Toledo, Ohio
*Tyler Co., W. S., Cleveland, O.
Union Steel Products Co. (No. 4 & 8 Rack), Albion, Mich.
Vulcan Machine Works, 90 N 4th, Portland, Ore.
See adv index at end of book

1830— Cannons (Yacht)

Brown R. H. & Co., 198H Brown, West Haven, Conn.
Kahnweiler's David Sons ("Lyle"), 20 Dover, New York
Naval Co. ("B & H," "Bridger"), Roslyn, Pa.

1831— Canoes

See also Motor Boat, Launch & Yacht Builders
Carleton Canoe Co. (Birch Bark, Canvas Covered), Old Town, Me.
Mullins Body Corp., 341 Franklin, Salem, O.
Old Town Canoe Co., Old Town, Me.
Racine Boat Co. (Sailing, Paddling), Racine, Wis.
Rushton Sidney P. ("Indian Girl," Sailing, Paddling), Canton, N. Y.
Skaneateles Boat & Canoe Co. (Sailing, Paddling), Skaneateles, N. Y.
White E. M. & Co. ("White" Canvas Covered Canoes, Paddles, etc.), Old Town, Me.

Canopies (Iron & Bronze)

See Marquees; also Awnings, Corrugated Steel

1832—*Canopies (Lawn or Umbrella Tents)

Humphrys, R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*

1832a—Cans (Acid Sprinkler & Service)

INTERNATIONAL NICKEL COMPANY THE (Monel Metal), 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book

INCO
Monel metal
CANS and CONTAINERS
1—Strong As Steel.
2—Do Not Rust.
3—Resist Corrosion of Chemicals and Pharmaceuticals.
SEE OUR INSERT AT MONEL METAL
THE INTERNATIONAL NICKEL COMPANY
67 Wall Street New York, N.Y.

Sholes Inc. (Monel Metal), 186 Lafayette, New York

1833-4-5—Cans (Ash & Garbage)

Abbott Hardware Co. ("Oregon"), 636 Columbus av, New York
AMERICAN CAN CO. ("Canco"), 120 Broadway, New York
See adv index at end of book
Atlantic Stamping Co. (Garbage only), 156 Ames, Rochester, N. Y.
Automatic Lock Cover Corp. (Sanitary Garbage), 393 B'way, New York
Barschi Harry, 209 E 144th, New York
Berglund Chas. & Son, 236 E 47th, New York
Bloom Max & Co., 1147H Mission, San Francisco, Cal.
Boyle Mfg. Co., 5100 Santa Fe, Los Angeles, Cal.
Brooklyn Ash Can Mfg. Co., 2196 Fulton Brooklyn, N. Y.
Brown Stamping Co., Toledo, O.
Buhl Stamping Co., Scotten & M. C. RR., Detroit, Mich.
Butler Mfg. Co., 900 6th av, S. E. Minneapolis, Minn.
Carman Mfg. Co., Columbus, Ohio
Central Stamping Co. ("Puritan," "Giant," "Monitor," "Central"), 206 B'way, New York
Cincinnati Galvanizing Co. ("King" Corrugated), Chickering & Spring Grove, Cincinnati, O.
Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.
Crunden, Martin Mfg. Co. (Galvanized), 2d & Gratiot, St. Louis, Mo.
Dairymen's Mfg. Co., Bay, Jersey City, N. J.
Decatur Cornice & Rfg. Co., New Decatur, Ala.
DIENER GEO. W. MFG. CO., 400-420 Monticello av, Chicago, Ill.
See adv index at end of book
Dover Stamping & Mfg. Co. ("Dover" Galvanized Steel, also with Safety Coal Sieve), Cambridge, Mass.
Ely & Williams Co., 257 B'way, New York
Empire Tin Ware Co. (Ash), 29 So 5th, Brooklyn, N. Y.
Federal Enam. & Stamping Co., Thompson & Chartiers, Pittsburgh, Pa.
Federal Stamping Co. ("Federal" Dustless Ash Sifters), Holland, Mich.
Fidelity Can Co. (Galvanized & Japanned), 600H S Caroline, Baltimore, Md.
Fleck M., 338 E 124th, New York
Gem Stamped Steel Co., Chelsea, Mass.
GEUDER PAESCHKE & FREY CO. (Waste "Cream City"), 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Gillis & Geohegan, 532H W Broadway, New York
Gotham Can Co., 60 Eagle, Brooklyn, N. Y.
Hammer-Bray Co. ("Spark"), Dept. H, 26th av & East 12th, Oakland, Cal.
Hastings Equity Grain Bin Mfg. Co., Hast-Henning Bros., 3924 Indiana av, Chicago
Hennessy Dennis, Syracuse, N. Y.
Herbst Bros. ("Mission Maid"), 1939H Mission, San Francisco, Cal.
Hill James Mfg. Co., 52 Westfield, Providence, R. I.
Holzer R. G. (Est of), 317 Burgundy, New Orleans, La.
Hygeia Can Co., Inc. (White Enameled, with Foot Lever Lifting Cover), 139 Franklin, New York
Indestructible Ash Can Co., 96 Greene, New York
Klauer Mfg. Co., Dubuque, Ia.
KOVEN L. O. & BRO., 154 Ogden av, Jersey City, N. J.
See adv index at end of book

CANS—Ash
Heavy type, riveted steel cans, black or galvanized, also cans of special design and construction for specific uses.
L. O. KOVEN & BROTHER, Inc.
154 Ogden Avenue, Jersey City, N. J.

Kraft, A. C., 323 W. Lake, Chicago, Ill.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Lawson F. H. Co., Cincinnati, O.
Lisk Mfg. Co. (Garbage only, "Lisk" Aluminum Galvanized), Canandaigua, N. Y.
Littleford Bros., 444 E Pearl, Cincinnati, Ohio
See adv index at end of book
Loafea S., 5740 Elizabeth, Oakland, Cal.
Lock-Tite Mfg. Co., Battle Creek, Mich.
Madewell Pipe & Culvert Works, E 12th & 25th av ("Madewell"), Oakland, Cal.
Mager & Newman Tinware Co., Monroe, New York
Metal Products Corp. ("Yu Buy" & "Peerless"), 49 Chestnut, Weehawken, N. J.
National Can Co., 36 Washington, North Boston, Mass.
National Enameling & Stamping Co., 411 5th av, New York
New England Enameling Co., Middletown, Conn.
New York Standard Ash Can Mfg. Co., 99 Kent av, New York
North Star Ash Can Co. (Engineers' Steel), 167 Chrystie, New York
Ohio Galvanizing Mfg. Co. (Heavy), Niles, O.
Pacific Stove & Stamping Co., Idaho & Duwanish av, Seattle, Wash.
Phoenix Metal Stamping Co. ("Han-Dy-Can"), 2827 W Fletcher, Phila., Pa.
Pittsburgh Tinware Mfg. Co. ("Tinco"), Bidwell, Pittsburgh, Pa.
PRESSED STEEL TANK CO. (Seamless Pressed Steel), 58th & Greenfield av, West Allis, Milwaukee, Wis.
See adv index at end of book
Purdin Metalware Co., 88 N 2nd, Portland, Ore.
Republic Metalware Co. ("Remco"), 100 Alabama, Buffalo, N. Y.
Rochester Can Co. ("Iron Horse" Rubbish), 89 Hague, Rochester, N. Y.
Schuler Chas. & Co., 15 Stuyvesant, New York
Sexton Can Co., 123 Broad, Boston, Mass.
Sharp Rotary Ash Receiver Co., 309 Bridge, Springfield, Mass.
Simmons John Co., 110 Centre, New York
See adv index at end of book
Solar Metal Products Co., Columbus, O.
Standard Mfg. Co., Corning, N. Y.
Standard Mfg. Co., 41 Cortlandt, New York
Standard Stamping Co., B'way & Chambers, St. Louis, Mo.
Steel Basket Co., Cedar Rapids, Ia.

WITT Corrugated



Made in 4 sizes—5 to 10 gallons

Ash and Refuse Cans—Garbage Pails—Oily Waste Cans

Made of heavy gauge steel; deeply corrugated; heavy steel one piece bands at top and bottom; snug fitting covers; heavy smooth, hot galvanizing coating; stout carrying handles, etc. The most Durable Cans and Pails on the market. Write for catalog and prices.

"The Yellow Label means Quality."

THE WITT CORNICE COMPANY

Cincinnati, Ohio

Our Brighton (medium weight) line is excellent value for the money. Prices upon request.



Made in 4 sizes—20 to 33 gallons

Stephenson C. H. ("Stephenson" Spiral Truss Ribbed), Lynn, Mass.
Success Mfg. Co. ("Success"), Gloucester, Mass.
Vernier Mfg. Co., Cedar Rapids, Ia.
Western Tin & Japan Mfg. Co., Spring Grove & Straight, Cincinnati, O.
Wheeling Corrugating Co., Wheeling, W. Va.
Winfield Mfg. Co. ("Winfield"), 12 Atlantic, Warren, Ohio
WITT CORNICE CO. ("Witt" "Brighton" Corrugated), 2118 Winchell av, Cincinnati, Ohio
See adv index at end of book
Woolwine Metal Products ("Bear Brand," Garbage Only), 2421H E 8th, Los Angeles, Cal.

Cans (Batch Transfer)

See Batch Transfer Cans (Monel Metal)

Cans (Benzine)

See Cans, Non-explosive

1836— Cans (Candy)

American Can Co., 120 B'way, New York
See adv index at end of book
Boyer W. W. & Co., 2341 Boston, Baltimore, Md.
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Gotham Can Co., 60 Eagle, Brooklyn, N. Y.
Los Angeles Can Co., 303 San Fernando rd, Los Angeles, Cal.
See adv index at end of book
Metal Package Corp. of N. Y., 110 E 42nd, New York *See adv index at end of book*
R.C. Can Co., 121 Chambers, St. Louis, Mo.
Ritchie W. C. & Co. (Paper), 831 W Van Buren, Chicago, Ill.
St. Louis Paper Can & Tube Co., Big Bend Road, St. Louis, Mo.
Union Paper Co. (Fibre), 844 Washington, New York
Western Can Co., 180 Townsend, San Francisco, Cal.

1836a— Cans (Cigar, Tin)

See also Boxes, Tin, Cigar

Am. Can Co., 120 B'way, New York
See adv index at end of book
Cadillac Can Co., 711 Carr, Cincinnati, O.
Continental Can Co., 1016 E Water, Syracute, N. Y.
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Gotham Can Co., 60 Eagle, Brooklyn, N. Y.
Metal Package Corp. of N. Y., 110 E 42nd, New York *See adv index at end of book*
St. Louis Paper Can & Tube Co. (Fibre), Big Bend rd, St. Louis, Mo.
Union Paper Co. (Fibre), 844 Washington, New York
See adv index at end of book
Western Can Co., 180H, Townsend, San Francisco, Cal.
Wheeling Corrugating Co., Wheeling, W. Va.

1837— Cans (Coffee, Spice, Etc.)

American Can Co., 120 B'way, New York
See adv index at end of book
Columbia Can Co., Madison, 1st to 2d, St. Louis, Mo.
Continental Can Co., 1016 E Water, Syracuse, N. Y.
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Illinois Paper Can & Tube Co., 19th & Belmont av, E St. Louis, Ill.
Johnson-Morse Can Co. (Coffee), Wheeling, W. Va.
Los Angeles Can Co., 303 San Fernando rd, Los Angeles, Cal.
See adv index at end of book
Metal Package Corp. of N. Y., 110 E 42nd, New York *See adv index at end of book*
National Can Corporation, Detroit, Mich.
National Paper Products Co., San Francisco, Cal.
See adv index at end of book
R. C. Can Co., 121 Chambers, St. Louis, Mo.
Ritchie W. C. & Co. (Paper), 831 W Van Buren, Chicago, Ill.
St. Louis Paper Can & Tube Co., Big Bend rd, St. Louis, Mo.
Union Paper Co. (Fibre), 844 Washington, New York
See adv index at end of book
WESTERN CAN CO., 180 Townsend, San Francisco, Cal.
Wheeling Corrugating Co., Wheeling, W. Va.

1838— Cans (Comber)

Hill James Mfg. Co. (Galvanized Iron), 52 Westfield, Providence, R. I.

Cans (Condensed Milk)

See Cans, Tin

1839-40— Cans (Cordage)

Continental Can Co., 1016 E Water, Syracuse, N. Y.
Standard Fibre Co., Miller, Somerville, Mass.

1841— Cans (Decorated)

See also Boxes & Cans, Litho. Metal
AMERICAN CAN CO., 120 Broadway, New York. *See adv index at end of book*
Boyer W. W. Co., 2341 Boston, Baltimore, Md.
Fidelity Can Co., 600H S Carolina, Baltimode, Md.
Illinois Paper Can & Tube Co., 19th & Belmont av, E St. Louis, Ill.
METAL PACKAGE CORP. OF N. Y., 110 E 42nd, New York
See adv index at end of book
Myers Elwood Co., Springfield, O.
St. Louis Paper Can & Tube Co. (Fibre), Big Bend rd, St. Louis, Mo.
Western Can Co., 180H Townsend, San Francisco, Cal.

1842— Cans (Dry)

(Names with * also manufacture Monel Metal)

*Beckley Perforating Co., Garwood, N. J.
*Cleveland Wire Cloth Co., Cleveland, O.
*Dahlquist Mfg. Co., Boston, Mass.
*Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp. C. O., Southport, Conn.
*Magosy & Buscher, 232 Canal, New York
*Munning & Co. A. P., Matawan, N. J.
*Sholes Inc., 186 Lafayette, New York
*Smith & Co. John P., New Haven, Conn.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co. W. S., Cleveland, O.

1842a— Cans (Excelsior)

Diener Mfg. Co. Geo. W., 400-420 Monticello av, Chicago
See adv index at end of book

1843— Cans (Faucet)

Delphos Mfg. Co., 1st & Pierce, Delphos, O.
Sexton Can Co. ("Hub," "Jacket," "Puritan," "Orient"), 123 Broad, Boston, Mass.
Stuart & Peterson Co. (Porcelain Lined), Burlington, N. J.
Winfield Mfg. Co., 12 Atlantic, Warren, Ohio

1844— Cans (Fibre)

See also Cans, Paper
AMERICAN CAN CO. ("Damptile"), 120 Broadway, New York
See adv index at end of book

American Can Company

FIBRE CANS

Baking Powder
Butter Boxes & Cheese Cans
Cereal
Cigar
Coffee & Tea
Confectioners' Goods
Cracker
Drug & Chemical
Dry Paints, Graphite
Food, Granular, Powd'd, Dried
Oyster
Salt
Scouring, Cleaning, Soap Powder
Spice & Cocoa
Talcum, Tooth & Foot Powder
Tobacco

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Cartons & Shipping Cases

CANCO

Canister Co. of New Jersey (Tin Top & Bottom), Phillipsburg, N. J.
Diamond State Fibre Co., Dept. 37, Bridgeport, Pa.
See adv index at end of book
Fidelity Can Co. (For Coffee, Drugs & Extracts), 600H S Caroline, Baltimore, Md.
Illinois Paper Can & Tube Co., 19th & Belmont av, E St. Louis, Ill.
Miller Fibre Products Co., 620 Orleans, Chicago, Ill.
Moisture Proof Fibre Can Co., Dixon & River Rouge, Detroit, Mich.
Mono-Service Co. ("Kleen-Kup" Wood for Foods, Water & Grease Proof), Verona av & Oraton, Newark, N. J.
National Paper Products Co. (For Semi-Liquids), 528 Battery, San Francisco, Cal.
See adv index at end of book

(Continued on following page)

Cans (Fibre)—Continued

National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
R. C. Can Co., 121 Chambers, St. Louis, Mo.
RITCHIE W. C. & CO., 831 W Van Buren, Chicago, Ill.
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
See adv index at end of book
St. Louis Paper Can & Tube Co., Big Bend rd, St. Louis, Mo.
Standard Fibre Co., Miller, Somerville, Mass.
UNION PAPER CO., 844 Washington, New York
See adv index at end of book

1844a—Cans (For Hand Soap)

Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Los Angeles Can Co., 303 San Fernando rd, Los Angeles, Cal.
See adv index at end of book
Metal Package Corp of N. Y., 110 E 42nd, New York *See adv index at end of book*
NATIONAL PAPER PRODUCTS CO., 528 Battery, San Francisco, Cal.
See adv index at end of book
St. Louis Paper Can & Tube Co., Big Bend rd, St. Louis, Mo.

1844b— Cans (Friction Top)

Boyer W. W. & Co., 2341 Boston, Baltimore, Md.
Continental Can Co., Syracuse, N. Y.
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Johnson-Morse Can Co., off. 480 E Wheeling, W. Va.
Los Angeles Can Co., 303 San Fernando rd, Los Angeles, Cal.
See adv index at end of book
Metal Package Corp. of N. Y., 110 E 42nd, New York *See adv index at end of book*
R. C. Can Co., 121 Chambers, St. Louis, Mo.
St. Louis Paper Can & Tube Co., Big Bend rd, St. Louis, Mo.
Union Paper Co. (Fibre), 844 Washington, New York
See adv index at end of book
U. S. Can Co., 2510 Highland av, Norwood, Cincinnati, O.
Western Can Co., 180H Townsend, San Francisco, Cal.
Wheeling Corrugating Co., Wheeling, W. Va.

Cans (Garbage)

See Cans, Ash & Garbage.

Cans (Gasoline)

See Cans, Oil & Gasoline

1845— Cans (Gill Box)

Diamond State Fibre Co. ("Diamond Fibre"), Dept. 37, Bridgeport, Pa.
See adv index at end of book
Hill James Mfg. Co. ("I. X. X. X." Tin), 52 Westfield, Providence, R. I.
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
Standard Fibre Co., Miller, Somerville, Mass.

1846— Cans (Gun Powder)

Metal Package Corp. of N. Y., 110 E 42nd, New York *See adv index at end of book*
Peoria Can Co., Peoria, Ill.
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
See adv index at end of book

1847— Cans (Ice)

Bloom Max & Co., 1147H Mission, San Francisco, Cal.
Brunswick Refrigerating Co., New Brunswick, N. J.
Fouts C. C. Co., 650 Woodlawn av, Middletown, O.
Geuder Paeschke & Frey Co., Milwaukee, Wis. *See adv index at end of book*
Great Lakes Engineering Works, Real Estate Exchange bldg., Detroit, Mich.
Kiechler Mfg. Co., Wade & Denman, Cincinnati, O.
New Orleans Roofing & Metal Co. ("Nola"), Cortez & Orleans, New Orleans, La.
North Star Ash Can Co., 167 Chrystie, New York
Ohio Galvanizing & Mfg. Co., Niles, O.
Ruemmell-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
St. Louis Steel Package Co., Natural Bridge & Goodfellow av, St. Louis, Mo.
Triumph Ice Machine Co., Oakley, Cincinnati, O.
Vogt Henry Machine Co., Inc., Louisville, Ky.
Wall P. Mfg. Supply Co., 705 Preble av, Pittsburgh, Pa.

1848— Cans (Ice Cream)

Blanke Mfg. & Supply Co., 3d & Washington av, St. Louis, Mo.
Bray & Kates Co., Arlington Heights, Ill.
Buhl Stamping Co., Scotten & M. C. RR., Detroit, Mich.
Creamery Package Mfg. Co., 61 W Kinzie, Chicago, Ill.
Davis-Watkins Dairymen's Mfg. Co. ("Sanitary"), Jersey City, N. J.
Davis-Watkins Dairymen's Mfg. Co., North Chicago, Ill.
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Keiner-Williams Stamping Co., Richmond Hill, N. Y.
Maag August Co., 509 W Lombard, Baltimore, Md.
North Star Ash Can Co., 167 Chrystie, New York
Rice & Adams, Buffalo, N. Y.
Solar Metal Products Co., Columbus, O.
Solar-Sturges Mfg. Co. ("Ultra" & "Ultra Weld"), 838 W Congress, Chicago, Ill.
Stuart & Peterson Co. (Porcelain Lined), Burlington, N. J.
Wagner Process Co., Dept H, Lansdale, Pa.
White Mountain Freezer Co., Nashua, N. H.
Wood John Mfg. Co. (Electric Weld), Dept. H, Conshohocken, Pa.
Wright R. G. & Co., 98 Eagle, Buffalo, N. Y.

1848a— Cans (Ink)

Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Metal Package Corp. of N. Y., 110 E 42nd, New York *See adv index at end of book*

1849— Cans (Jacket)

See also Cans, Shipping

AMERICAN CAN CO., 120 Broadway, New York. *See adv index at end of book*
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Knoxville Tinware Mfg. Co., Georgia & Depot, Knoxville, Tenn.
Metal Package Corp. of N. Y., 509 5th av, New York *See adv index at end of book*

1850-1— Cans (Key)

American Key Can Co., 140 S Dearborn, Chicago, Ill.

Cans (Lithographed)

See Boxes & Cans, Litho Metal

1852— Cans (Maple Syrup)

Am. Can Co., 120 B'way, New York
See adv index at end of book
Boyer W. W. & Co., 2341H Boston, Baltimore, Md.
Continental Can Co., 1016 E Water, Syracuse, N. Y.
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Franklinville Canning Co., Franklinville, N. Y.
Grimm G. H. ("Grimm"), Rutland, Vt.
Los Angeles Can Co., 303 San Fernando rd, Los Angeles, Cal.
See adv index at end of book
Metal Package Corp. of N. Y., 110 E 42nd, New York *See adv index at end of book*

1853—Cans (Medicinal & Toilet Preparation)

AMERICAN CAN CO., 120 Broadway, New York. *See adv index at end of book*
Continental Can Co., 1016 E Water, Syracuse, N. Y.
Fidelity Can Co., 600 H S Caroline, Baltimore, Md.
Gotham Can Co., 60 Eagle, Brooklyn, N. Y.
Illinois Paper Can & Tube Co. (Fibre), 19th & Belmont av, E St. Louis, Ill.
METAL PACKAGE CORP. OF N. Y., 110 E 42nd, New York
See adv index at end of book
R. C. Can Co., 121 Chambers, St. Louis, Mo.
Ritchie W. C. & Co., 831 W Van Buren, Chicago, Ill.
St. Louis Paper Can & Tube Co., Big Bend rd, St. Louis, Mo.
Union Paper Co. (Fibre), 844 Washington, New York
See adv index at end of book

1854— Cans (Milk)

Arwe Carl H. Mfg. Co., 1348-52 De Kalb av., Brooklyn, N. Y.
Blanke Mfg. & Supply Co., 3d & Washington av, St. Louis, Mo.
Bray & Kates Co., Arlington Heights, Ill.
Brown Stamping Co., Toledo, O.
Buckeye Aluminum Co. ("Real Solid" Aluminum with Bail or Handle), Wooster, O.
Buhl Stamping Co., Scotten & M. C. RR., Detroit, Mich.
Central Stamping Co. ("Puritan" Cans & Kettles), 206 B'way, New York
Colonial Can Co., 120 Milk, Boston, Mass.
Creamery Package Mfg. Co. ("Reno," "St. Francis," "Climax," "St. Johns," "Dairymen's," "Elgin," "Wisconsin"), 61 W Kinzie, Chicago, Ill.
Davis-Watkins Dairymen's Mfg. Co. ("Sanitary"), Jersey City, N. J.
Davis-Watkins Dairymen's Mfg. Co., North Chicago, Ill.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Holzer R. G. (Est of), 317 Burgundy, New Orleans, La.
Keiner-Williams Stamping Co., Richmond Hill, N. Y.
Lalance & Grosjean Mfg. Co., 299 B'way, N. Y.
Lisk Mfg. Co ("Lisk" Tin and Enamel), Canandaigua, N. Y.
Metal Package Corp. of N. Y., 110 E 42nd, New York *See adv index at end of book*
Mountain City Stove & Mfg. Co., Chattanooga, Tenn.
National Enameling & Stamping Co., 411 5th av, New York
Oakes & Burger Co. ("Royal Dane," "Empire State" & "Union" Canadian or Western Pattern), Cattaraugus, N. Y.
Schlueter Mfg. Co., B'way & John av, St. Louis, Mo.
Sharlow Bros. Co., 442 W 42d, New York
Solar Metal Products Co., Columbus, O.
Solar-Sturges Mfg. Co., 838 W Congress, Chicago, Ill.
Sturges & Burn Mfg. Co., 838 W Congress, Chicago, Ill.

1855— Cans (Milk Shipping)

Metal Package Corp. of N. Y., 110 E 42nd, New York *See adv index at end of book*
Oakes & Burger Co. ("Royal Dane"), Cattaraugus, N. Y.
Solar-Sturges Mfg. Co. ("Solar"), 838 W Congress, Chicago, Ill.

1856— Cans (Miners' Oil)

GEM MANUFACTURING CO (Welded Steel), Goebel nr. Fulton, Pittsburgh, Pa. *See adv index at end of book*
Hardsocg Martin Co., 922 South av, Pittsburgh, Pa.
Kraft, A. C., 323 W Lake, Chicago, Ill.

1857— Cans (Non-Explosive)

Bridgeport Brass Co., Dept. H, E Main, Bridgeport, Conn.
Brown Stamping Co., Toledo, O.
Cal. Fire Proof Door Co. (Underwriters), ("Wilcox"), 1931 S Los Angeles, Los Angeles, Cal.
DIENER GEO. W. MFG. CO., 400-20 Monticello av, Chicago, Ill.
See adv index at end of book
HARKER MFG. CO. ("Queen"), 121-133 W 3d, Cincinnati, O.
JUSTRITE MFG. CO. (Safety Underwriters Approved), 2051 Southport av, Chicago, Ill.
McNutt Can Sales Co. Inc. ("McNutt"), 83 Chambers, New York
Metal Package Corp. of N. Y., 110 E 42nd, New York *See adv index at end of book*
Miller-Peerless Mfg. Co. (Safety "Peerless"), 325 N Curtis, Chicago, Ill.
Safety Fire Extinguisher Co., 295 7th av, New York
Sexton Can Co. ("Sexton's" safety for printers, etc.), 133 Broad, Boston, Mass.

1858— Cans (Oil Pump)

Chapin R. E. Mfg. Works, Batavia, N. Y.
Delphos Mfg. Co., First & Pierce, Delphos, O.
Geuder, Paeschke & Frey Co., Milwaukee, Wis. *See adv index at end of book*
National Enameling & Stamping Co., 411 5th av, New York
Winfield Mfg. Co., 13 Atlantic, Warren, O.

Cans (Oil Waste)

See Cans (Waste)

1859-60-1—Cans (Oil & Gasoline)

For Engineer's Oil Cans, See Oilers

AMERICAN CAN CO., 120 Broadway, New York. *See adv index at end of book*
Ansonia Novelty Co. ("Richard" Oil), 285 Main, Ansonia, Conn.
Atlantic Stamping Co. ("Atlantic," 1 to 5 gallons, Spout Faucet, etc, for Kerosene & Gasoline), 156-180 Ames, Rochester, N. Y.
Beman Automatic Oil Can Co. ("Beman" Delivery), Box 375, Meadville, Pa.
Bernz Otto Co., Inc. (Copperized Steel), 17 Ashland, Newark, N. J.
See adv index at end of book
Blanke W. F. Can & Mfg. Co., 116 Pine, St. Louis, Mo.
Boggs Auto Supply Co. ("Kup-Kan"), Ft. Dodge, Ia.
Boyle Mfg. Co., 5100 Santa Fe av, Los Angeles, Cal.
Brown Stamping Co., Toledo, O.
Buffalo Can Co., 60 Union, Buffalo, N. Y.
Bumann Mfg. Co. ("Easy Flow"), Litchfield, Ill.

Cannon Oiler Co., Keithsburg, Ill.
Central Stamping Co. ("Puritan" Screw Top, etc.), 206 B'way, New York
Chapin R. E. Mfg. Works (Galvanized Household), Batavia, N. Y.
Colonial Can Co., 120 Milk, Boston, Mass.
Conneaut Can Co. ("Red Hoop"), Conneaut, O.
Continental Can Co., Syracuse, N. Y.
Crunden, Martin Mfg. Co. (Galvanized), 2d & Gratiot, St. Louis, Mo.
Delphos Mfg. Co. ("Never Leak" & "Legal" Spout & Auto Funnel Cans), 1st & Pierce, Delphos, O.
Deverall Perfection Mfg. Co. ("Deverall"), Caton av, Brooklyn, N. Y.
Dover Stamping & Mfg. Co. ("Dover" Auto, etc.), Cambridge, Mass.
Dressel Railway Lamp Works (Steel for Engineers, etc), 3860 Park av, New York
Dunlap John Co. (Galvanized), Carnegie, Pa.
Eagle Mfg. Co. (Copper, Brass & Steel), Wellsburg, W. Va.
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
GEM MANUFACTURING CO., "Gem" Steel Heavy Welded Oil Carriers), Goebel nr. Fulton, Pittsburgh, Pa.
See adv index at end of book
Gem Stamped Steel Co., Chelsea, Mass.
GEUDER PAESCHKE & FREY CO. ("Cream City," Anti-Leak Galvanized), 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Gotham Can Co., 60 Eagle, Brooklyn, N. Y.
Gray Peter & Sons, Inc. (Oil for Railroad Use, etc), 286 Third, East Cambridge, Mass.
Handlan-Buck Mfg. Co. (Railway, etc), 210-14 N. 3rd, St. Louis, Mo.
Harps J. A. Mfg. Co. ("Never Fail," for Oil or Gasoline, for Household Use), Greenfield, O.
Holzer R. G. (Est of), 317 Burgundy, New Orleans, La.
Hunt & Dorman Mfg. Co., 1600 E 24th, Cleveland, O.
Jackson J. W., Sharpsville, Pa.
Johnson Mfg. Co., Urbana, O.
Kiechler Mfg. Co., Wade & Denman, Cincinnati, O.
Knapp Mfg. & Supply Co. (Oil Carriers), 241 Water, New York
Knoxville Tinware Mfg. Co., Georgia & Depot, Knoxville, Tenn.
Kraft A. C., 323 W. Lake, Chicago, Ill.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Lidseen Gustave (Force Feed Oil only), 832 S Central av, Chicago, Ill.
Lisk Mfg. Co. ("Lisk" Spout or Faucet, etc), Canandaigua, N. Y.
Loafea S. (5 Gal.), 5740 Elizabeth, Oakland, Cal.
LOS ANGELES CAN CO., 303 San Fernando Road, Los Angeles, Cal.
See adv index at end of book
Ludlow Mfg. Co., Ludlow, Ky.
McLaughlin Co. Inc., Brookport, N. Y.
Manufacturers Can Co., Harrison, N. J.
METAL PACKAGE CORP. OF N. Y., 110 E 42nd, New York
See adv index at end of book
Miller-Peerless Mfg. Co. ("Peerless" Safety), 825 N Curtis, Chicago, Ill.
National Can Corporation (for Motor, Castor, Olive & Essential Oils), Detroit, Mich.
National Enameling & Stamping Co. ("Superior," Screw Cap, Spout, Plain, etc), 411 5th av, New York
Noera Mfg. Co. ("Noera"), Waterbury, Conn.
Northwestern Stamping Co., Burlington, Ia.
Pacific Stove & Stamping Co., Idaho & Duwanish av, Seattle, Wash.
Rochester Can Co. ("Iron Horse" Galvanized), 89 Hague, Rochester, N. Y.
Rochester Stamping Co., Rochester, N. Y.
Rockford Brass Works, Rockford, Ill.
Roseland Can & Specialty Co. (Plain Tank for Oil & Gasoline), Rockford, Ill.
St. Louis Tin & Sheet Metal Working Co. (Oil Cans, Plain & Ornamental), 217 S 6th, St. Louis, Mo.
Schlueter Mfg. Co., B'way & John av, St. Louis, Mo.
Sexton Can Co. ("Sexton's" Spout & Screw Cap, etc.), 123 Broad, Boston, Mass.
Standard Stamping Co., B'way & Chambers, St. Louis, Mo.
Tongue R. E. & Bros. Co., Allegheny av & Amber, Phila., Pa.
Troy Stamping Works, Troy, N. Y.
Union Furnace Mfg. Co., Union Furnace, Pa.
Vogel, Wm. & Bros. (Zinc), 47 S. 9th, Brooklyn, N. Y.
Walters Mfg Co., Fulton bldg, Pittsburgh, Pa.
Wheeling Corrugating Co. ("Crescent," "Oil Drip," "Wheeling"), Wheeling, W. Va.
Winfield Mfg. Co., Warren, O.

Cans (Oily Waste)

See Cans (Waste)

1862— Cans (Packers', Etc.)

AMERICAN CAN CO. ("Sanitary"), 120 Broadway, New York
See adv index at end of book
Atlantic Can Co., 2108 Boston, Baltimore, Md.
Boyer W. W. & Co., 2341 Boston, Baltimore, Md.
Boyle Can Co., Wolfe & Thames, Baltimore, Md.
Columbia Specialty Co. (Plain & Decorated), 1508 E Fayette, Baltimore, Md.
Continental Can Co., Syracuse, N. Y.
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Heekin Can Co. (Lard), 6th, New & Culvert, Cincinnati, O.
Illinois Paper Can & Tube Co., 19th & Belmont av, E St. Louis, Ill.
Johnson-Morse Can Co. (Lithographed & Plain, Lard, Sanitary, etc), Wheeling, W. Va.
Los Angeles Can Co., 303 San Fernando rd, Los Angeles, Cal.
See adv index at end of book
METAL PACKAGE CORP. OF N. Y., 110 E 42nd, New York
See adv index at end of book
National Can Co., 121 N Caroline, Baltimore, Md.
National Enameling & Stamping Co., 411 5th av, New York
Peoria Can Co. (Sanitary, Self-Sealing), Peoria, Ill.
Phelps Can Co. (Cap Hole & Vent Hole Style), Key Highway & Lawrence, Baltimore, Md.
Porter C. B. Co., 128 N 2nd, Phila., Pa.
Ritchie W. C. & Co. (Fibre), 831 W. Van Buren, Chicago, Ill.
St. Louis Paper Can & Tube Co., Big Bend rd, St. Louis, Mo.
Sanitary Can Co. (Enamel Lined, Plain, etc), 120 B'way, New York
Seattle Can Co., 815 Adams, Seattle, Wash.
Solar-Sturges Mfg. Co. (Ice Cream), 838 W Congress, Chicago, Ill.
Southern Can Co., 717 S Wolfe, Baltimore, Md.
Tacoma Can Co., 624 E 26th, Tacoma, Wash.
Tyler Can Co., 1409 Eastern av, Baltimore, Md.
United States Can Co. ("Standard" Solder Hemmed, Sanitary Friction Top & Wax Top), 2510 Highland av, Norwood, Cincinnati, O.
Virginia Can Co. (Lock Seam), Buchanan, Va.
Warren J. M. & Co., Troy, N. Y.
Wheeling Corrugating Co., Wheeling, W. Va.

1863—Cans (Paint & Varnish)

AMERICAN CAN CO. ("Doubletite"), 120 Broadway, New York
See adv index at end of book

American Can Company

CANS

Baking Powder
Candy
Cigar
Coffee & Tea
Cracker
Drug & Chemical
Honey & Syrup
Grease & Oil
Jacket
Lard, Butter & Compound
Meat & Dry Food Products
Oil for Food Products
Paint, Varnish, Putty
Spice & Cocoa
Stove, Shoe & Metal Polish
Talcum, Tooth & Foot Powder
Tobacco and Cigarette

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Packers' Cans
Sea Food Cans

CANCO

Boyer W. W. & Co., 2341H Boston, Baltimore, Md.
Conneaut Can Co., Conneaut, O.
Continental Can Co., Syracuse, N. Y.
Davies Can Co., 872 E 72nd, Cleveland, O.
Dunlap Jno. Co., Carnegie, Pa.
Empire Tin Ware Co. (Paint), 29 So 5th, Brooklyn, N. Y.
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Heekin Can Co., 6th, New & Culvert, Cincinnati, O.
Justrite Mfg. Co., 2051 Southport av, Chicago
LOS ANGELES CAN CO., 303 San Fernando rd, Los Angeles, Cal.
See adv index at end of book
Manufacturers' Can Co. ("Peerless," "Tip-Top"), Harrison, N. J.
METAL PACKAGE CORP. OF N. Y., 110 E 42nd, New York
See adv index at end of book
National Can Corporation, Detroit, Mich.
New Can Co. (Patent Self-Closing), 326 A, Boston, Mass.
Peoria Can Co. (Self-Sealing), Peoria, Ill.
Wheeling Corrugating Co., Wheeling, W. Va.

1864— Cans (Paper)

See also Tubes, Mailing

AMERICAN CAN CO., 120 Broadway, New York. *See adv index at end of book*
Bennett Paper Can & Tube Co., 271 10th, San Francisco, Cal.
Burt F. N. Co. (Container), 540 Seneca, Buffalo, N. Y.
Chicago Mailing Tube Co., 425 S Hoyne av, Chicago, Ill.
Chicago Paper Tube & Can Co., 168 N May, Chicago, Ill.
Diamond State Fibre Co., Dept. 37, Bridgeport, Pa.
See adv index at end of book
Empire Paper Tube & Box Co., 1133 B'way, New York
Gates-Burns Paper Products Co., 3714 South Park av, Los Angeles, Cal.
Illinois Paper Can & Tube Co., 19th & Belmont av, East St. Louis, Ill.
Improved Mailing Case Co., 309 B'way, New York
NATIONAL PAPER PRODUCTS CO., 528 Battery, San Francisco, Cal.
Portland Paper Box Co., 92 Front, Portland, Ore.
R. C. Can Co., 121 Chambers, St. Louis, Mo.
Renshaw Jones & Sutton Co., 1231 S San Pedro, Los Angeles, Cal.
Ritchie W. C. & Co., 831 W Van Buren, Chicago, Ill.
St. Louis Paper Can & Tube Co., Big Bend rd, St. Louis, Mo.
St. Louis Tissue & Mfg. Co., 3117 N. Market, St. Louis, Mo.
Seamless Container Co. ("Drake Process," All Kinds Containers), 133 Sheldon, Hartford, Conn.
Seeley Tube & Box Co., 344 Central av, Newark, N. J.
UNION PAPER CO., 844 Washington, New York
See adv index at end of book

1865— Cans (Park Waste)

Solar-Sturges Mfg. Co. ("Solar Self-Closing" Receptacle), 830 W Congress, Chicago, Ill.
Steel Basket Co., Cedar Rapids, Ia.
Stephenson C. H. ("Stephenson"), Lynn, Mass.

1866— Cans (Plain & Lithographic)

Boyer W. W. & Co., 2341H Boston, Baltimore, Md.
Buffalo Can Co. (Tin), 236 Clinton, Buffalo, N. Y.
Continental Can Co., 1016 E Water, Syracuse, N. Y.
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Gotham Can Co., 60 Eagle, Brooklyn, N. Y.
Metal Package Corp. of N. Y., 110 E 42nd, New York *See adv index at end of book*
St. Louis Paper Can & Tube Co. (Fibre), Big Bend rd, St. Louis, Mo.
St. Louis Tin & Sheet Metal Working Co., St. Louis, Mo.
Western Can Co., 180 Townsend, San Francisco, Cal.

Cans (Pump)

See Cans, Oil Pump

1867—Cans (Refuse, Street & Park)

Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Majestic Co., Huntington, Ind.
Orleans Steel Products Co. Inc., 1021H Bienville, New Orleans, La.
Rochester Can Co. ("Iron Horse" Galvanized), 89 Hague, Rochester, N. Y.
WITT CORNICE CO. ("Witt," "Brighton" Corrugated), 2118 Winchell av, Cincinnati, Ohio
See adv index at end of book



TIN CANS
PLAIN AND LITHOGRAPHED



FOR

Paint, Oil
Varnish
White Lead
Kerosene
Gasoline
Alcohol
Grease
Metal Polish

Stove Polish
Shoe Polish
Furniture Polish
Candy
Pharmaceutical Products

House-Furnishing Specialties

Pantry Sets
Tea Canisters
Coffee Canisters
Sugar Canisters
Flour Bins
Bread Boxes
Spice Sets
Cereal Sets
Metal Waste-Paper Baskets

Toilet Articles
Talcum Powder
Cigars
Tobacco
Tea
Coffee

Foodstuffs
Oysters
Fish
Eggs
Syrups
Malt Syrups
Putty
Pastes, etc.

Metal Package Corporation of N.Y.
Sales & Executive Offices 110 E. 42nd St. New York City
Opposite Grand Central Terminal.
Plants-New York City, Baltimore, Brooklyn.
Chicago office: 64 West Randolph Street.

1868— Cans (Roving)

Diamond State Fibre Co. ("Diamond Fibre," Seamless Manila Fibre), Dept. 37, Bridgeport, Pa.
See adv index at end of book

Gem Stamped Steel Co., Chelsea, Mass.

Hill Jas. Mfg. Co. ("Vulcan" & "Hercules" Fibre & "Hill I.X.X.X." Tin), 52 Westfield, Providence, R. I.

NATIONAL VULCANIZED FIBRE CO. ("Laminar"), Beach & Maryland av, Wilmington, Del.
See adv index at end of book

N. E. Ventilating & Heating Co., 926 Manton av, Providence, R. I.

ROGERS FIBRE CO. ("Leatheroid"), 121 Beach, Boston, Mass.
See adv index at end of book

Spaulding Fibre Company Inc., Tonawanda, N. Y.
See adv index at end of book

Standard Fibre Co. ("No Waste" Seamless Hard Fibre), Miller st, Somerville, Mass.

1869— Cans (Rubbish)

Geuder Paeschke & Frey Co., Milwaukee, Wis. *See adv index at end of book*

Gotham Can Co., 60 Eagle, Brooklyn, N. Y.

Rochester Can Co. ("Iron Horse," also Street Rubbish Galvanized), 89 Hague, Rochester, N. Y.

Witt Cornice Co. ("Witt," "Brighton" Corrugated), 2118 Winchell av, Cincinnati, Ohio
See adv index at end of book

Cans (Safety, Oil & Benzine)

See Cans, Non-Explosive

1870-1—Cans (Self-Sealing)

AMERICAN CAN CO., 120 Broadway, New York. *See adv index at end of book*

Boyer W. W. & Co., 2341H Boston, Baltimore, Md.

Columbia Can Co., Madison, 1st to 2d, St. Louis, Mo.

Metal Package Corp. of N. Y., 110 E 42nd, New York *See adv index at end of book*

New Can Co., 326A, Boston, Mass.

Peoria Can Co. (Fruit), Peoria, Ill.

St. Louis Paper Can & Tube Corporation (Fibre), St. Louis, Mo.

1872—Cans (Shipping, Wood Jacket)

AMERICAN CAN CO., 120 Broadway, New York. *See adv index at end of book*

Chapin R. E. Mfg. Works: Batavia, N. Y.

Conneaut Can Co. ("Red Hoof"), Conneaut, O.

Continental Can Co., Syracuse, N. Y.

Metal Package Corp. of N. Y., 509 5th av, New York *See adv index at end of book*

National Can Co., 36 Washington, N Boston, Mass.

New Can Co. (Patent Self-Closing), 326A, Boston, Mass.

Roseland Can & Specialty Co. ("Reliable"), Rockford, Ill.

Sexton Can Co. ("Sexton's," also Boxed), 123 Broad, Boston, Mass.

1873— Cans (Spray)

DOBSON WM., 209 Spencer, Canastota, N. Y.

1874—Cans (Street Cleaning)

AMERICAN CAN CO., 120 Broadway, New York. *See adv index at end of book*

Central Stamping Co., 206 B'way, New York

Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.

Geuder Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book

Grimley Frank J., 817 Front, San Francisco, Cal.

Ohio Galvanizing & Mfg. Co. (Sheet Steel), Niles, O.

Orleans Steel Products Co. Inc., 1021H Bienville, New Orleans, La.

Peoria Can Co., Peoria, Ill.

Rochester Can Co. ("Iron Horse" Galvanized), 89 Hague, Rochester, N. Y.

Wheeling Corrugating Co., Wheeling, W. Va.

WITT CORNICE CO. ("Witt," "Brighton" Corrugated), 2118 Winchell av, Cincinnati, Ohio
See adv index at end of book

1875— Cans (Tin)

(Lard, Grease, Paint, Varnish, Dry, Groceries, etc.)

See also Cans, Various Kinds, in index of Contents

See also Boxes & Cans, Litho Metal

AMERICAN CAN CO. (For all known purposes), 120 B'way, New York
See adv index at end of book

American Reduction Co. (Old), 1942 Forbes, Pittsburgh, Pa.

Atlantic Can Co. (Packers' Only), 2108 Boston, Baltimore, Md.

Batavia Specialty Co. (Seamless), Batavia, N. Y.

Bennett E. W. & Co., 2000 16th, San Francisco, Cal.

Blanke W. F. Can & Mfg. Co., 116 Pine St. Louis, Mo.

Boyer W. W. & Co., 2341H Boston, Baltimore, Md.

Boyle Can Co., Wolfe & Thames, Baltimore, Md.

Bray & Kates Co. (Creamery), Arlington Heights, Ill.

Brown Stamping Co., Toledo, O.

Buhl Stamping Co., Scotten & M. C. RR., Detroit, Mich.

Burns Jno. & Son, 19 Fulton, New York

Burrows Metal Mfg. Co. (Plain & Decorated), 572 Greenwich, New York

Cadillac Can Co., 711 Carr, Cincinnati, O.

Canister Co. of New Jersey, Phillipsburg, N. J.

Canton Art Metal Co., Canton, O.

Chapin R. E. Mfg. Works: Batavia, N. Y.

Clark Geo. W., 109 Broad, New York

Clark J. L. Mfg. Co. (Plain & Lithographed Druggists, etc.), Rockford, Ill.

Colonial Can Co., 120 Milk, Boston, Mass.

Columbia Can Co., Madison, 1st to 2d, St. Louis, Mo.

Columbia Specialty Co., 1508 E Fayette, Baltimore, Md.

Conneaut Can Co. ("Red Hoop"), Conneaut, O.

Continental Can Co. (Fruit & Vegetable), Syracuse, N. Y.

Crunden Martin Mfg. Co. (Oil), 2d & Gratiot, St. Louis, Mo.

Davies Can Co., 872 E 72d, Cleveland, O.

Delphos Mfg. Co. ("Lilac Oil"), 1st & Pierce, Delphos, O.

Eastern Shore Can Co., Hurlock, Md.

Easton G. N. Can Co., 235 Front, San Francisco, Cal.

Eureka Can Co., 1211 Post, Seattle, Wash.

Fallis Edwin Canning Co., Lowell, Mich.

Fidelity Can Co., 600H S Caroline, Baltimore, Md.

Fischer Can Co., Hamilton, O.

Franklinville Canning Co., Franklinville, N. Y.

GEUDER PAESCHKE & FREY CO., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book

Gordon-Lawless Co., Omaha, Neb.

Gotham Can Co., 60 Eagle, Brooklyn, N. Y.

Grimley Frank J., 255 Shipley, San Francisco, Cal.

Hardesty R. Mfg. Co., 3063 Blake, Denver, Col.

Heekin Can Co. (Baking Powder, etc), 6th, New & Culvert, Cincinnati, O.

Hill Jas. Mfg. Co., 52 Westfield, Providence, R. I.

Johnson-Morse Can Co. (Lard, Coffee, Honey, etc., Plain and Lithographed), Wheeling, W. Va.

Justrite Mfg. Co., 2051 Southport av, Chicago

Kiechler Mfg. Co., Wade & Denman, Cincinnati, O.

Kraft A. C., 323 W. Lake, Chicago, Ill.

Lecomte & Co., Wolcott, Brooklyn, N. Y.

LOS ANGELES CAN CO. (Motion Picture Film), 303 San Fernando rd, Los Angeles, Cal.
See adv index at end of book

Manufacturers Can Co., Harrison, N. J.

Mason Mfg. Co., 156 So Water, Providence, R. I.

Messenger H. B., Federalsburg, Md.

METAL PACKAGE CORP. OF N. Y. (For all Known Purposes), 110 E 42nd, New York *See adv index at end of book*

National Can Co. (Packers' Syrup, etc.), 121 N Caroline, Baltimore, Md.

National Can Co., 36 Wash'n N., Boston, Mass.

NATIONAL CAN CORPORATION, Detroit, Mich.

National Paper Product Co., 528 Battery, San Francisco, Cal.
See adv index at end of book

New Can Co., 326A, Boston, Mass.

Peoria Can Co., Peoria, Ill.

Phelps Can Co., Key Highway & Lawrence, Baltimore, Md.

Phillips & Buttorff Mfg. Co., Nashville, Tenn.

Pittsburgh Tinware Mfg. Co. ("Tinco" Flour & Sugar), Bidwell, Pittsburgh, Pa.

Platt & Co., Inc. (Packers), Key Highway & Boyle, Baltimore, Md.

Porter C. B. Co., 128 N 2nd, Phila., Pa.

Republic Can & Metal Co. Inc., Broad, Phillipsburg, N. J.

Republic Metalware Co., 100 Alabama, Buffalo, N. Y.

Roseland Can & Specialty Co., Rockford, Ill.

St. Louis Paper Can & Tube Corporation, St. Louis, Mo.

St. Louis Tin & Sheet Metal Working Co., St. Louis, Mo.

Sanitary Can Co. (Tomato, for Whole Tomatoes, etc), 120 B'way, New York

Seattle Can Co., 815 Adams, Seattle, Wash.

Sexton Can Co. (Benzine Safety, Boxed, Metallic, Jacket, Drug, Varnish, Grease, Aniline, Oyster & Screw Top & Slip Cover, etc.), 123 Broad, Boston, Mass.

Southern Can Co. (Fruit, Syrups, etc), 717 S Wolfe, Baltimore, Md.

Steward L. & J. A., Rutland, Vt.

Stirrup Mfg. Co., Market, Newark, N. J.

Tacoma Can Co., 624 E 26th, Tacoma, Wash.

Troy Stamping Works, Troy, N. Y.

Tyler Can Co. (Packers' Cans Only), 1409 Eastern av, Baltimore, Md.

U. S. Can Co. (Packers, etc.), 2510 Highland av, Norwood, Cincinnati, O.

Virginia Can Co., Buchanan, Va.

Western Can Co., 180 Townsend, San Francisco, Cal.

Western Can Company
Plain and Lithographed Cans
and
Lithographed Fire Extinguisher Tubes
180 Townsend St., San Francisco

Winfield Mfg. Co., 12 Atlantic, Warren, O.

1876— Cans (Tin, Fibre & Galvanized)

AMERICAN CAN CO., 120 Broadway, New York
See adv index at end of book

American Can Company

TIN & GALVANIZED

Canco Paint Pails
Orchard Heaters
Powder Kegs & Canisters
Steel Lead Kegs
Pipe Covering Bands
Film Boxes
Trash Burners
Ash & Garbage Cans & Pails
Street Cleaning & Rubbish Cans
Trunk Coverings
Tanks & Drums
Miscellaneous Tinware
Oil & Gasoline Tanks

CANCO

Illinois Paper Can & Tube Co., 19th & Belmont av, E St. Louis, Ill.
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Metal Package Corp. of N. Y., 110 E 42nd, New York *See adv index at end of book*
R. C. Can Co. (Fibre only), 121 Chambers, St. Louis, Mo.
Republic Can & Metal Co., Inc., Broad, Phillipsburg, N. J.
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
See adv index at end of book
St. Louis Paper Can & Tube Co., Big Bend rd, St. Louis, Mo.

1877-8— Cans (Tin, Fruit)

See also Cans, Packers, etc.

AMERICAN CAN CO., 120 B'way, New York. *See adv index at end of book*
Boyer W. W. & Co., 2341H Boston, Baltimore, Md.
Boyle Can Co., Wolfe & Thames, Baltimore, Md.
Continental Can Co., Syracuse, N. Y.
Easton G. N. Can Co., 235 Front, San Francisco, Cal.
Fidelity Can Co., 600H S. Caroline, Baltimore, Md.
Franklinville Canning Co., Franklinville, N. Y.
Los Angeles Can Co., 803 San Fernando rd, Los Angeles, Cal.

LOS ANGELES CAN COMPANY
303 San Fernando Road
Los Angeles, California
Manufacturers of
Fruit, Fish and Vegetable Cans
Also a full line of miscellaneous with the exception of lithographed cans.

Metal Package Corp. of N. Y., 110 E 42nd, New York *See adv index at end of book*
Peoria Can Co., Peoria, Ill.
Seattle Can Co., 815 Adams, Seattle, Wash.
Tacoma Can Co., 624 E 26th, Tacoma, Wash.
Wheeling Corrugating Co., Wheeling, W. Va.

1879— Cans (Waste)

AMERICAN CAN CO., 120 Broadway, New York *See adv index at end of book*
Atlantic Stamping Co. ("Atlantic," Galvanized Iron), 180 Ames, Rochester, N. Y.
Burt Mfg. Co., 40 Main, Akron, O.
See adv index at end of book
Canton Art Metal Co., Canton, O.
Central Stamping Co. (Oily Waste), 206 B'way, New York
Clark W. J. Co., Salem, O.
Cleveland Wire Spring Co. (Oily Waste, Sheet Metal, 1281 E 38th, Cleveland, O.
Continental Can Co., 111 W. Washington, Chicago, Ill., Syracuse, N. Y.
DIENER GEO. W. MFG. CO. (Oily Waste), 400-420 Monticello av, Chicago, Ill.
See adv index at end of book
Dover Stamping & Mfg. Co. (Oily Rag & Waste Can), Cambridge, Mass.
Dressel Railway Lamp Works (Cans & Pails), 3860 Park av, New York
Ely & Williams Co. (Factory Waste & Rubbish), 257 B'way, New York
Federal Stamping Co. ("Federal" Oily Waste), Holland, Mich.
Geuder Paeschke & Frey Co., 1314-1740 St. Paul, Milwaukee, Wis.
See adv index at end of book
Gray Peter & Sons, Inc., 286 Third, Cambridge, Mass.
Harker Mfg. Co., 121-123 W 3d, Cincinnati, Ohio
Harry O. K. Steel Co., 2333 Papin, St. Louis, Mo.
Hill James Mfg. Co., 52 Westfield, Providence, R. I.
Iron Clad Mfg. Co., 178 Cook, Brooklyn, N. Y.
JUSTRITE MFG. CO. ("Justrite" Oily Waste, Underwriters Approved), 2051 Southport av, Chicago, Ill.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.
See adv index at end of book

CANS—Oily Waste

Oily Waste Cans, approved by Underwriters, of heavy construction for industrial plants.

L. O. KOVEN & BROTHER, Inc.
154 Ogden Avenue, Jersey City, N. J.

Kraft A. C. ("Nacefas" Oily Waste), 323 W Lake, Chicago, Ill.
Lock-Tite Mfg. Co., Battle Creek, Mich.
Manufacturers Can Co., Harrison, N. J.
Metal Package Corp. of N. Y., 509 5th av, New York *See adv index at end of book*
Miller-Peerless Mfg. Co., 325 No. Curtis, Chicago, Ill.
National Blow Pipe & Mfg. Co., 738 Dryades, New Orleans, La.
National Enameling & Stamping Co. (Oily Waste Paper, etc), 411 5th av, New York
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
New Orleans Roofing & Metal Co. ("Nola" Oily Waste), Cortez & Orleans, New Orleans, La.
North Star Ash Can Co. (Oily Waste), 167 Chrystie, New York
Ohio Corrugating Co., Warren, O.
Orleans Steel Products Co. Inc., 1021H Bienville, New Orleans, La.
PRESSED STEEL TANK CO. (Oil Waste), 58th & Greenfield, West Allis, Milwaukee, Wis.
See adv index at end of book
Rex-Harris Fire Appliance Co., 310 W. 39th, New York
Rochester Can Co ("Iron Horse" Oily Waste), 89 Hague, Rochester, N. Y.
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
See adv index at end of book
Roseland Can & Specialty Co. (Oily Rag & Waste), Rockford, Ill.
Safety Fire Extinguisher Co., 295 7th av, New York
Schlueter Mfg. Co., B'way & John av, St. Louis, Mo.
Sexton Can Co. ("Sexton's" Fireproof Oily Waste), 123 Broad, Boston, Mass.
Solar-Sturges Mfg. Co. ("Solar Self-Closing" Receptacle for Paper & Soiled Towels), 838 W. Congress, Chicago, Ill.
Standard Fibre Co. ("Fibre"), Miller St, Somerville, Mass.
Standard Stamping Co., B'way & Chambers, St. Louis, Mo.
Steel Basket Co. (Oily Waste), Cedar Rapids, Ia.
Stephenson C. H. (Stephenson Always Closed, Fireproof), Lynn, Mass.
Wall P. Mfg. Supply Co., 705 Preble av N S, Pittsburgh, Pa.
Walters Mfg. Co. (Steel Brazed), Fulton bldg, Pittsburgh, Pa.
Western Blower Co., 1800 9th av S, Seattle, Wash.
Wheeling Corrugating Co. (Oily Waste), Wheeling, W. Va.
Willcox Engineering Co. (Self-Closing for Kitchen Use), 1525 Holland av, Saginaw, Mich.
Wilson Andrew Co. (Oily Waste, Metallic), 616 Essex, Lawrence, Mass.
WITT CORNICE CO. ("Witt" Oily), 2118 Winchell av, Cincinnati, Ohio
See adv index at end of book

1879a—Cans (Water, Railway Car)

Geuder Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book

Cans (Wood Jacket)

See Cans, Shipping, Wood Jacket

1880— Cant-Dogs

Allis-Chalmers Mfg. Co. (Sawmill), Milwaukee, Wis.
See adv index at end of book
Mansfield E. Corp., Orono, Me.
Peavey Mfg. Co. ("Peavy"), Bangor, Me.
Stevens C. P., Franklin, N. H.
Sumner Iron Works, Everett, Wash.
Witham G. S. & Son, Caratunk, Me.

1880a— Canteens

Boyle Mfg. Co., 5100 Santa Fe, Los Angeles, Cal.
Shaw M. E., 188 N. Daly, Los Angeles, Cal.
Woolwine Metal Products Co. ("Bear Brand"), 8th & Santa Fe av, Los Angeles, Cal.

1881— Canteens (Army)

Campbell A. S. Co. ("Cello"), 161H Prescott, Boston, Mass.
Hemp & Co. ("Utility" Government), St. Louis, Mo.
National Enameling & Stamping Co., 411 5th av, New York
Troy Stamping Works, Troy, N. Y.

1882— Canteens (Miners')

Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Hardsocg Mfg. Co. (Match Box Canteens), Ottumwa, Ia.
Peoria Can Co., Peoria, Ill.

1883— Cant Flippers (Steam)

Allis-Chalmers Mfg. Co. (Sawmill), Milwaukee, Wis.
See adv index at end of book
Sumner Iron Wks., Everett, Wash.
Union Furnace Mfg. Co., Union Furnace, Pa.

1884— Canthooks

See also Tools, Logging & Lumberman's
American Logging Tool Co., Evart, Mich.
Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Columbus Handle & Tool Co. ("Columbus"), Columbus, Ind.
Dicke Tool Co., Downers Grove, Ill.
Dixie Logging Tool Co., James & Elizabeth, Chattanooga, Tenn.
Geriach Peter Co., 1712 Winter, Cleveland, Ohio
Leetonia Tool Co. (Hooks Only), Leetonia, Ohio
Peavey Mfg. Co. ("Peavey," with Dog Nose, etc), Bangor, Me.
Prouty C. & Co., Eldred, Pa.
Ransome Concrete Machinery Co., Dunelle, N. J.
Standard Saw Mill Machinery Co., Erie, Pa.
Warren Axe & Tool Co., Warren, Pa.
Williams Mfg. Co., Macon, Ga.

1884a—Canvas (Waterproof)

CARPENTER & CO., GEO. B. (Covers), 434 N Wells, Chicago.
See adv index at end of book
Daniels C. R. Inc., 114-115 South, New York
See adv index at end of book
Fulton Bag & Cotton Mills, Atlanta, Ga.
Goss J. C. Co. (Covers), 36 E Woodbridge, Detroit, Mich.
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Lehon Co. ("Mule-Hide" Car Roofing), 4451 S Oakley av, Chicago, Ill.
See adv index at end of book
Stanley, Wm. W. (Cotton, Duck & Canvas of All Kinds), 62 White, New York

Capitals (Carved Wood)

See Carvers, Wood, Classic; also Columns, Porch, Etc.

1885-6—Capitals (Composition)

See also Ornaments, Composition

Acheson Graphite Co. ("Gredag" Lubricants), Niagara Falls, N. Y.
Acheson Oildag Co. (Aquaday" & "Oildag" Lubricants), Niagara Falls, N. Y.
Architectural Decorating Co., 1600 S Jefferson, Chicago, Ill.
Decorators Supply Co. (Interior & Exterior), Archer av & Leo, Chicago, Ill.
Emmel Chas. & Rose Co. (Papier Mache Staff), 383 Albany, Boston, Mass.
Harnisch Ad. A., Syracuse, N. Y.
Plastic Relief Mfg. Co., 1959 Fulton, Chicago, Ill.

Capitals (Plaster)

See Ornaments, Plastic

1887— Capped Products

National Screw & Mfg. Co. The, 2440 E 75th, Cleveland, O.
See adv index at end of book

1888—Caps (Automobile Radiator)

Atlantic Rubber Co., 755 Boylston, Boston, Mass.
Automotive Mfg. Co., 2203 S Main, Los Angeles, Cal.
Axford & De Shields, Chestnut & University, San Jose, Cal.
Baumann Rubber Co., 494 Congress av, New Haven, Conn.
Belden Mfg. Co., 2316 S Western, Chicago, Ill.
Bridgeport Brass Co. (Auto Brass), E Main, Bridgeport, Conn.
Coulter Mfg. Co., Inc., 259 Austin, Buffalo, N. Y.
Davol Rubber Co., 69 Point, Providence, R. I.
Edelmann E. & Co. ("Rex"), 2332 Logan blvd, Chicago, Ill.
General Automotive Corp. ("Monogram Automatic Locking"), Wrigley bldg, Chicago, Ill.
Golden Gate Brass Mfg. Co. ("Superior"), 1239 Sutter, San Francisco, Cal.
Goodrich B. F. Co., Akron, O.
Hansen & Olson Co. ("Tip-Top"), 506 S Green, Chicago, Ill.
Holtum Mfg. Co. ("Holtum" Bronze), Freeport, Ill.
Legler-Eilerman Co., Dayton, O.
Maurer W. J. (Brass Nickel-Plated), 211 E Stephenson, Freeport, Ill.
Niagara Insula-Bake Specialty Co., Albany, N. Y.
Oxford & De Shields, Chestnut & University, San Jose, Cal.
Pouvailsmith Corp., Poughkeepsie, N. Y.
Prime Mfg. Co., 97 Wisconsin, Milwaukee, Wis.
Rome-Turney Radiator Co., Rome, N. Y.
Tiffany Mfg. Co. ("Gunmon"), 50H Spring, Newark, N. J.
Vahan Products Co., 73rd & St. Clair, Cleveland, O.
Waterbury Mfg. Co., Division Chase Companies, Inc., Waterbury, Conn.
Western Brass Mfg. Wks., Marshall blvd & 21st, Chicago, Ill.

1888a—Caps (Automobile Tank)

Bridgeport Brass Co., 801 E. Main, Bridgeport, Conn.
Illinois Brass Mfg. Co. ("No-Wast"), 224 N. Ada, Chicago, Ill.
Imperial Brass Mfg. Co., 1200 W. Harrison, Chicago, Ill.
National Gauge & Equipment Co., La Crosse, Wis.

1889— Caps (Bathing)

Goodrich B. F. Co., Akron, O.
Kleinert I. B. Rubber Co., 485 5th av, New York
Parker-Stearns & Co., 286 Sheffield, Brooklyn, N. Y.
Rubber Products Co., Barberton, O.
Star Rubber Co. ("Nepto," "Luna," "Veno"), Akron, O.

1890— Caps (Blasting)

Atlas Powder Co. ("Atlas"), Wilmington, Del.
California Cap Co., 1540 San Pablo av, Oakland, Cal.
DU PONT E. I. DE NEMOURS & CO., INC., Explosives and Smokeless Powder Depts. ("Du Pont" Electric, See Adv. at Exposives), Wilmington, Del.
See adv index at end of book
Giant Powder Co., Cons., San Francisco, Cal.
Grasselli Powder Co. (Guardian bldg), Cleveland, O.
Hercules Powder Co., Wilmington, Del.

1891-2—Caps (Bottle & Flask)

See also Corks, Crown

Aluminum Company of America, 2301 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book
Aluminum Container Corp., Fulton, N. Y.
Anchor Cap & Closure Corp. (For Wide Mouth Glass Containers), 22 Queens, Long Island City, N. Y.
Ball Bros. Co., Muncie, Ind.
Bernardin Bottle Cap Co. (Metal), 31 1st av, Evansville, Ind.
Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
See adv index at end of book
Bond Mfg Co. ("Bond-Crown"), Wilmington, Del.
Capes-Viscose, Inc. ("Capes-Viscose" Self Fixing), Dept H, Delawanna, N. J.
Conley Foil Co., 541 W. 25th, New York
Consolidated Fruit Jar Co. (Screw, etc.), New Brunswick, N. J.
Crown Cap Mfg. Co., 201 37th, Brooklyn, N. Y.
Crown Cork & Seal Co. ("Crown"), 1511 Guilford av, Baltimore, Md.
Estes E. B. & Sons (Wood), 364 5th av, New York
See adv index at end of book
Gem Stopper Co. ("Gesco"), 2120 Nicholas, Phila., Pa.
Hazel Atlas Glass Co. (Bottles), Wheeling, W. Va.
Interstate Bottle Stopper Co., 168 39th, Brooklyn, N. Y.
Phoenix-Hermetic Co., 3720 14th av Brooklyn, N. Y.
Piqua Cap Co. (Milk Bottle), Piqua, O.
Ray Geo. A. Mfg. Co. (All Copper Nickel Plated), 1495 Niagara, Buffalo, N. Y.
Sayford Paper Specialty Co. (Paper), Vineland, N. J.
Tuttle Press Co., Appleton, Wis.
Waterbury Button Corporation (Metal), 831 So Main, Waterbury, Conn.
See adv index at end of book
Waterbury Mfg. Co., Division Chase Companies, Inc., Waterbury, Conn.
Williams Sealing Corp. (Metal & Cork), Decatur, Ill.

1893— Caps (Chimney)

Adams Co., Dubuque, Ia.
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
EDWARDS MFG. CO. (Steel), 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
Globe Ventilator Co. ("Globe," For Cars, Buildings, Factories, Power Houses, Boats, etc), Troy, N. Y.
Klauer Mfg. Co., Dubuque, Ia.
Kramer Bros. Foundry Co. ("Gem" Adjustable Can Iron), Dayton, O.
Munnsville Plow Co. (Cast Iron), Munnsville, N. Y.
Republic Structural Iron Wks. Co., 1350 E 53rd, Cleveland, O.
Scott Roofing & Mfg. Co. (Steel), 408 Culvert, Cincinnati, O.
Standard Ventilator Co. (Revolving), Lewisburg, Pa.
Sterling Foundry Co. ("Best"), Sterling, Ill.

1894—Caps (Color, for Incandescent Bulbs)

Betts & Betts Corp., 631H 43rd, New York

1894a— Caps (Cork)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

1894b—*Caps (Delay, Electric Blasting)

DU PONT E. I. DE NEMOURS & CO. INC., Explosives & Smokeless Powder Depts. ("Du Pont," See Adv. at Explosives), Wilmington, Del.
See adv index at end of book
Hercules Powder Co., Wilmington, Del.

1894c— *Caps (Drive)

Illinois Malleable Iron Co., 1801 Diversey blvd, Chelsea
See adv index at end of book
Larkin, J. K. & Co., 253 B'way, New York
See adv index at end of book

1895— Caps (Electric Blasting)

Atlas Powder Co., Wilmington, Del.
California Cap Co., 1540H San Pablo av, Oakland, Cal.
DU PONT E. I. DE NEMOURS & CO. INC., Explosives & Smokeless Powder Depts. ("Du Pont," See Adv. at Explosives), Wilmington, Del.
See adv index at end of book
Giant Powder Co., Cons., San Francisco, Cal.
Hercules Powder Co., Wilmington, Del.

1895a— Caps (Fill & Vent, Storage Tank)

FARRELL MFG. CO., Joliet, Ill.
See adv index at end of book

1896— Caps (Fruit Jar)

Ball Bros. Co., Muncie, Ind.
Bernardin Bottle Cap Co., 31 1st av, Evansville, Ind.
Hazel Atlas Glass Co., Wheeling, W. Va.
Kerr Glass Mfg. Co., Sand Springs, Okla.
Loafea S., 5740 Elizabeth, Oakland, Cal.
Mason Jar Glass Cap Co., Anderson, Ind.

1897— Caps (Fuse)

Bridgeport Brass Co., E Main, Bridgeport, Conn.
California Cap Co., San Pablo av, Oakland, Cal.
Patton-MacGuyer Co. (Enclosed), 31 Mathewson, Providence, R. I.
Risdon Mfg. Co. ("Risdon"), Naugatuck, Conn.
Western Cartridge Co., East Alton, Ill.

Caps (Gun & Percussion)

See Ammunition Manufacturers

1898— Caps (Hitching Post)

Munnsville Plow Co., Munnsville, N. Y.

1899-1900— Caps (Hub)

Am. Tube & Stamping Co. (Automobile-Pressed Steel), Dept H, 471 Hancock, Bridgeport, Conn.
BINGHAM STAMPING & TOOL CO., Post & Albion, Toledo, Ohio
See adv index at end of book
Bossert Corporation, The (Automobile, etc.), cor Linden & West av, Utica, N. Y.
BOWEN PRODUCTS CORP. Divs: Auburn, N. Y.; Detroit, Mich.; Cleveland, O.; Minneapolis, Minn., & Windsor, Ont., Canada
See adv index at end of book
Bridgeport Brass Co. (Ford Automobile), Dept H, E Main, Bridgeport, Conn.
Buffalo Pressed Steel Co., 800 Kensington, Buffalo, N. Y.
Crosby Co., 183 Pratt, Buffalo, N. Y.
Gier Pressed Steel Co., Lansing, Mich.
Globe Machine & Stamping Co. (Drawn Steel), 1250 W 76th, Cleveland, O.
Hartford Machine Screw Co., Hartford, Conn.
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Hayward S. F. & Co., 250 W 54th, New York
Imperial Brass Mfg. Co. (Aluminum & Brass), 1200 W. Harrison, Chicago, Ill.
Ireland & Matthews Mfg. Co., Beard & Chatfield, Detroit, Mich.
Kales Stamping Co., 1680 W Lafayette blvd, Detroit, Mich.
See adv index at end of book
Konigslow Otto Mfg. Co., 3506 Perkins av, Cleveland, O.
Lindholm Metal Stamping Co., 107 Erie, Camden, N. J.
Matthews H. A. Mfg. Co., Seymour, Conn.
Murdock Reed Co., 127 Federal, Boston, Mass.
Pettis W. W. Co., 416 First Natl Bk bldg, Cincinnati, O.
Torrey Roller Bushing Works, Bathe, Me.
Worcester Pressed Steel Co., Worcester, Mass.
See adv index at end of book
Zeigler Mfg. Co., Alexandria, Ind.

1901— Caps (Jelly Glass)

Hazel Atlas Glass Co. (Stamped Metal, Aluminum Zinc & Tin), Wheeling, W. Va.
Ohio Lantern Co. (Tin), Tiffin, O.
Zeigler Mfg. Co., Alexandria, Ind.

1902— Caps (Milk Bottle)

American Bottle Cap Co. ("Ambo" Sanitary), 429 Westlake av, N, Seattle, Wash.
Clark & Co., 1613 N 3rd, Phila., Pa.
Creamery Package Mfg. Co., 61 W. Kinzie, Chicago, Ill.
Crown Cork & Seal Co. ("Dacro"), 1511 Guilford av, Baltimore, Md.
Gem Stamped Steel Co. ("Gem" Sanitary), Chelsea, Mass.
Gem Stopper Co. (& Wire Trimmings), 2120 Nicholas, Phila., Pa.
National Paper Products Co., 528 Battery, San Francisco, Cal.
See adv index at end of book
Naughan Novelty Mfg. Co. (Covers & Carriers), 711 Fulton, Chicago, Ill.
Pa Pro Co., Lowville, N. Y.
Piqua Cap Co., Piqua, O.
Spahr Mfg. Co. ("Helpmate" Tops), 1423 Vine, Phila., Pa.
Summers Wm. Co., Piqua, O.
Thatcher Mfg. Co., Elmira, N. Y.

1903— Caps (Miners')

Dooley Bros. (Jobbers), 1201 S. Washington, Peoria, Ill.

Hardsocg Mfg. Co., Ottumwa, Ia.
Hardsocg Martin Co., 922 South av, Pittsburgh, Pa.
Jones T. R. Co. (With Lamp Attachment), Dept H, South & S Meade, Wilkes-Barre, Pa.
Penn. Mfg. & Supply Co., Wilkes-Barre, Pa.

1904— Caps (Pile)

Vulcan Iron Works ("Casgrain," for Driving), 327 No Irving av, Chicago, Ill.

1905— Caps (Pipe)

Belcher & Loomis Hardware Co. ("Boss"), 89 Weybosset, Providence, R. I.
Gillette-Vibber Co., New London, Conn.
Grinnell Co., Inc., 275 W. Exchange, Providence, R. I.
See adv index at end of book
Illinois Malleable Iron Co., 1801 Diversey blvd, Chicago, Ill.
See adv index at end of book
Kelly & Jones Co., The, Greensburg, Pa.
See adv index at end of book
Larkin, J. K. & Co., 253 B'way, New York.
See adv index at end of book
LUNKENHEIMER CO. (Brass), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
See adv index at end of book
Malleable Iron Fittings Co. (" M. I. F. Co."), Branford, Conn.
Newbury J. H., Goshen, N. Y.
Powell, Wm. Co., 2525 Spring Grove av, Cincinnati, Ohio
See adv index at end of book
Rockwood Sprinkler Co. ("Rockwood" Pressed Steel), Worcester, Mass.
Walworth Mfg. Co., 82H Pearl, Boston, Mass.

Caps (Pole)

See Straps, Pole

1906— Caps (Roofing, Tin)

Ammidon & Co., 31 S Frederick, Baltimore, Md.
Barrett Co., 17 Battery pl, New York
Consolidated Fruit Jar Co., New Brunswick, N. J.
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Franklinville Canning Co., Franklinville, N. Y.
Globe Iron Roofing & Corrugating Co., Dept H, Newport, Ky.
Humphrey H. W., Unionville, Conn.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Merwin Mfg. Co. (Galvanized), Erie, Pa.
National Can Corporation, Detroit, Mich.
National Enameling & Stamping Co., 411 5th av, New York
Robertson W. F. Steel & Iron Co., Elm & Commerce, Cincinnati, O.
Steel & Tin Products Co., 2100H Alldeanna, Baltimore, Md.
Waterloo Mfg. Co. (Galv.), Waterloo, Ia.
Wheeling Corrugating Co., Wheeling, W. Va.

1907— Caps (Screw)

Aluminum Container Corp. (Aluminum), Fulton, N. Y.
Aluminum Goods Mfg. Co. (Aluminum), Manitowoc, Wis.
AMERICAN CAN CO., 120 Broadway, New York. *See adv index at end of book*
Bernardin Bottle Cap Co. (Retinned Bottle Screw Caps), 31 1st av, Evansville, Ind.
Bridgeport Brass Co. (Brass & Metal), Dept. H, E Main, Bridgeport, Conn.
Columbia Specialty Co., 1503 E Fayette, Baltimore, Md.
Delphos Mfg. Co., 1st & Pierce, Delphos, O.
Eagle Mfg. Co., Wellsburg, W. Va.
Franklinville Canning Co., Franklinville, N. Y.
Harrison Bolt & Nut Co., Harrison, N. J.
Hero Mfg. Co. (Aluminum), 1421 Chestnut, Phila., Pa.
Keystone Lantern Co., Tacony & Cottman, Phila., Pa.
National Acme Mfg. Co., 559 N Washington, Chicago, Ill.
Metal Package Corp of N. Y., 509 5th av, New York
See adv index at end of book
U. S. Bottlers' Machinery Co. (" U. S."), 2511 Park av, Chicago, Ill.

1908— Caps (Ventilating)

Hammann Wm. (Automatic Double Cone), 1057 5th, Milwaukee, Wis.
Mechanicville Specialty Supply Mfg. Co., Mechanicville, N. Y.
Miller Foundry & Specialty Co. ("Climax," "Tip Top"), N Tonawanda, N. Y.
Sanitary Co. (Soil), Dept. H, Linfield, Pa.
Wolverine Brass Works, Grand Rapids, Mich.

1909— *Caps (Waterproof)

Du Pont E. I. de Nemours & Co., Inc., Explosives & Smokeless Powder Depts. ("Du Pont" Electric Blasting), Wilmington, Del.
See adv index at end of book

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1910— Caps (Wooden)

BOGERT & HOPPER, INC. (Cork, Bottle, Spout, Can, etc.), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons (Corks, Bottles, Can Sprouts, etc), 364 5th av, New York
See adv index at end of book
Gravely B. F. & R. R. (For Steel Pins), Martinsville, Va.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Waterbury Button Corporation, 831 So Main, Waterbury, Conn.
See adv index at end of book

1911— Capstans

American Engineering Co. (Steam & Electric), Aramingo av & Cumberland, Phila., Pa.
Bell W. Lewis ("B. B." Electric), 314 1st, San Francisco, Cal.
Bethlehem Shipbuilding Corporation, Ltd. (Marine Steam & Electric), Bethlehem, Pa.
Cunningham Allen Co., Inc., 7500 Carleton av, Seattle, Wash.
DAKE ENGINE CO., Grand Haven, Mich.
See adv index at end of book
Edson Mfg. Corp. ("Edson" Hand Power), 375H B'way, Boston, Mass.
Flory S. Mfg. Co. (Steam or Electric), Bangor, Pa.
See adv index at end of book
Hadfield-Penfield Steel Co. (The), Bucyrus, O. *See adv index at end of book*
Helser Machine Works (Steam & Electric), 493 N 22nd, Portland, Ore.
HOIST & CRANE ENGINEERING CO. (THE), Engineering bldg, Liberty, New York
See adv index at end of book
Hyde Windlass Co. (Electric), Bath, Me.
La Plant-Choate Mfg. Co. (Horse Power), Cedar Rapids, Ia.
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
Markey Machinery Co., 85 Horton, Seattle, Wash.
Messe-Ersted Iron Works, 468 E Taylor, Portland, Ore.
Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book
National Hoisting Engine Co., 325 Manor av, Harrison, N. J.
See adv index at end of book
Russell Albert & Sons, Newburyport, Mass.
Swenson Grubber Co. (House Moving, etc), Cresco, Ia.
Thacher Propeller & Foundry Corp., Albany, N. Y.
Wilcox, Crittenden & Co., Inc. ("Victor" & "Navy"), 444 S Main, Middletown, Conn. *See adv index at end of book*
Willamette Iron & Steel Works, Foot of Front, Portland, Oregon

1911a—Capstans (Cable Pulling)

Bethlehem Shipbuilding Corporation Ltd., Bethlehem, Pa.
Hallett Iron Works, Harvey, Ill.
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Swenson Grubber Co., Cresco, Ia.
Thacher Propeller & Foundry Corp., Albany, N. Y.

1912— Capsules

Herold China & Pottery Co., Golden, Colo.
Parke Davis & Co., 2951 Atwater, Detroit, Mich.
Planten H. & Sons, 93 Henry, Brooklyn, N. Y.
Thermal Syndicate Ltd., 58 Schenectady av, New York

Car Builders

See Cars of Various Kinds

1913—Car Builders' Earthenware

Bellmark Co., Trenton, N. J.

1914— Car Ceilings

Frost's Veneer Seating Co., Ltd., Sheboygan, Wis.
N. Y. Veneer Seating Co., 171 Pacific av, Jersey City, N. J.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Van Dyck Panel Mfg. Co. (Wood & Pulp), Bound Brook, N. J.
Wallace Supplies Mfg. Co., 1312 Diversey pkway, Chicago, Ill.

1915—Car Chutes (Unloading)

Littleford Bros., 444 E. Pearl, Cincinnati, O. *See adv index at end of book*
Ransome Concrete Machinery Co., Dunellen, N. J.
Southern Foundry Co. (Quick Unloading of Coal, Broken Stone, etc), Owensboro, Ky.

1916—Car Curtains & Materials

ATLANTA TENT, AWNING & MFG. CO., Atlanta, Ga.
Atlas Specialty Co. (Rear & Side), 2110 S Morgan, Chicago, Ill.
Boyle Jno. & Co. (Cotton Duck & Curtain Stripe), 112 Duane, New York
Brill J. G. Co., 62d & Woodland av, Phila., Pa.
Chase L. C. & Co., 89 Franklin, Boston, Mass.
Curtain Supply Co., 350 W. Ontario, Chicago, Ill.
Dayton Mfg. Co., Dayton, O.
Hand John E. & Sons Co., 208 Chestnut, Philadelphia, Pa.
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Lewis Robt. Co., Coral & Wheatsheaf, Phila., Pa.
Nathan Novelty Mfg. Co. ("Nathan"), 55 5th av, New York
National Lock Washer Co. (Complete Curtains & Fixtures), 40 Herman, Newark, N. J.
Pantasote Co., 11 B'way, New York
Phoenix Carriage Co., 901 Evans, Cincinnati, Ohio
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Silcocks-Miller Co. ("Texodren" Car Shades), S Orange, N. J.
Wisconsin Top Co. ("Badger"), Racine, Wis.

1917— Car Doors & Fittings

See also Doors, Grain

Brill J. G. Co., 62d & Woodland, Philadelphia, Pa.
Camel Co. (Security), 332 S Michigan av, Chicago, Ill.
Chicago Car Door Co., McCormick bldg, Chicago, Ill.
Dahlstrom Metallic Door Co. (Fireproof Steel Car Doors), 413 Buffalo, Jamestown, N. Y.
See adv index at end of book
Eagle Brass Foundry Co., Seattle, Wash
Edwards O. M. Co. (Extension Platform Trap Doors), Syracuse, N. Y.
International Register Co., 15 S Throop, Chicago, Ill.
Nat'l Pneumatic Co., 50 Church, New York
Pitt Car Gate Co. (Gibbs Vestibule Door Operating Devices), 221 W 26th, New York
Pressed Steel Car Co. (Tank, Car Fittings, Box & Stock Car Doors), 307 5th av, Pittsburgh, Pa.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Smith Sash & Door Co., 175H Exchange, Rochester, N. Y.
Sherburne & Co. (Car Door Holders, etc), 53 Oliver, Boston, Mass.
Wallace Supplies Mfg. Co., 1312 Diversey pkway, Chicago, Ill.
Western Railway Equipment Co. ("St. Louis" & "Western," Flush; "Hoerr" & "Missouri," Interchangeable), Central Nat'l Bk bldg, St. Louis, Mo.
Western Steel Car & Foundry Co. (Tank Car Fittings, Box & Stock Car Doors), Farmers Bank bldg, Pittsburgh, Pa.

1918— Car Dumpers

Brown Hoisting Machinery Co., 4403 St. Clair, N. E., Cleveland, Ohio
See adv index at end of book
Browning Co., E 162d & Waterloo rd, N E, Cleveland, O.
Fulton Iron Works Co. (Sugar Cane), 1295 Delaware av, St. Louis, Mo.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
McMYLER-INTERSTATE CO. (THE), Cleveland, Ohio
See adv index at end of book
ROBINS CONVEYING BELT CO., 15 Park Row, New York
See adv index at end of book

(Continued on following page)

Car Dumpers—Continued

Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, Ohio

1919—Car Fenders & Wheel Guards

Brill J. G. Co., 62nd & Woodland av, Phila., Pa.
Cleveland Fare Box Co. ("Cleveland"), 4900 Lexington av, Cleveland, O.
Columbus Auto Brass Co. (Trucks & Tractors), 215 E Russell, Columbus, O.
Consolidated Car Fender Co. ("Providence," Fender & Wheel Guard), Vale, Providence, R. I.
Eclipse Railway Supply Co. ("Eclipse," Life Guard), 4824 Pagne av, Cleveland, Ohio
Fostoria Pressed Steel Co. (Replacement), Fostoria, Ohio
Lawson F. H. Co. (for Fords), Evans & Whateley, Cincinnati, Ohio
Lord Mfg. Co., 105 W 40th, New York
McGuire-Cummings Mfg. Co. ("Royal Flush" Fender), Harris Trust & Savings bldg, Chicago, Ill.
Morrison Steel Products, Inc., 26 E North, Buffalo, N. Y.
Root Spring Scraper Co., Kalamazoo, Mich.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Snow Wire Works Co., Rochester, N. Y.
York Corrugating Co. ("York"), York, Pa.

1920— Car Gates & Guards

Brill J. G. Co., 62nd & Woodland av, Phila., Pa.
Estey Bros. Co., 1006 Metropolitan av, Brooklyn, N. Y.
Hamilton Wm. Sons Car Co., Newark, O
Inglis Wm. Wire & Iron Wks., 960 Harper, Detroit, Mich.
Pitt Wm. R. Composite Iron Wks., 548 W 27th, New York
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.

1921— Car Lighting Apparatus

A. G. A. Railway Light & Signal Co., Elizabeth, N. J.
Atwater Kent Mfg. Co., 4937 Stenton av, Phila., Pa.
Consolidated Ry. Elec. Lighting & Equipment Co., 61 B'way, New York
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Gould Coupler Co. (Electric Axle Light, etc), 30 E 42nd, New York
Safety Car Htg. & Lighting Co. ("Pintsch" Light & Electric), Dixwell & Putnam avs, New Haven, Conn.
United States Light & Heat. Corp. ("U. S. L." Electric System), Niagara Falls, N. Y.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

1922— Car Lining

Gilmer L H Co. ("Gilmer" Ford), Cottman & Keystone, Philadelphia, Pa.
UNION PAPER & TWINE CO., 128 St. Clair av N. W., Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

1923—Car Movers or Pushers

See also Bars, Pinch

Advance Car Mover Co., Appleton, Wis.
Aldon Co. ("Sheldon") 3338 W Ravenswood av, Chicago, Ill.
Appleton Car Mover Co. ("Atlas"), Appleton, Wis.
Atkins E. C. & Co. ("Atkins A. A. A."), 402 S Illinois, Indianapolis, Ind.
Atlas Railway Supply Co. ("Atlas"), 431 S Dearborn, Chicago, Ill.
Barnard Machinery Co., Dept. H, Enterprise, Kans.
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Brown Hoisting Machy. Co. (The), 4403 St. Clair, N. E., Cleveland, Ohio
See adv index at end of book
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Fairmont Mining Machy. Co., Fairmont, W. Va.
Gifford-Wood Co., Hudson, N. Y.
Handlan-Buck Mfg. Co. ("Victor"), 210-14 N 3rd, St. Louis Mo.
Hercules Car Mover Co., 860 Clark, Appleton, Wis.
Hilts Wrench & Mfg. Co. ("Never-Slip"), Richford, N. Y.
Industrial Supply & Equipment Co., 4th & Vine, Phila., Pa.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Michigan Truck & Lumber Co., Holly, Mich.
Mundy J. S. Hoisting Engine Co. (Electric), 735 Frelinghuysen av, Newark, N. J. *See adv index at end of book*
Ransome Concrete Machinery Co. ("Badger," "Never Slip"), Dunellen, N. J.
Rowell G. D. & Son, Appleton, Wis.
Stanley Rule & Level Co. (Atha Div.), New Britain, Conn.
Stephens-Adamson Mfg. Co. ("Sheldon Movers"), Aurora, Ill.
Track Specialties Co., Inc. (Dlrs.), 2-4-6 Morris, New York
Verona Tool Works (Car Pushers or Locomotive Pinch Bars), Plum, Pittsburgh, Pa.
Webster Mfg. Co. ("Sheldon"), 4500 Cortland, Chicago, Ill.
See adv index at end of book
Wentink Mfg. Corp., Menasha, Wis.
Zelnicker Walter Supply Co. ("Zelnicker," Double Clutch Car Mover Dealer), 325 Locust, St. Louis, Mo.

1924—Car Parts (Of Every Description)

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.

1925— Car Plush

Chase L. C. & Co. ("Goat Brand" Mohair Velvets), 89 Franklin, Boston, Mass.
Goff D. & Sons (Mohair), Pawtucket, R. I.
Massachusetts Mohair Plush Co. (Mohair), 200 Devonshire, Boston, Mass.
Sanford Mills, Sanford, Me.

Car Pullers

See Pullers (Car)

Car Pushers

See Car Movers or Pushers

1926-7— Car Repair Work

Anniston Electric Steel Corp., Anniston, Ala.
Hamilton Wm. Sons Car Co., Newark, Ohio
International Car Co. (Freight), 38 S Dearborn, Chicago, Ill.
Midwest Engine Co., 19th & Martindale av, Inddianapolis, Ind.

1928—Car Seats, Chairs & Fittings

American Motor Body Co. ("Walk-Over"), 18th & Leigh av, Phila., Pa.
Barney & Smith Car Co. (Railway Seating, etc.), Dayton, O.
Brill J. G. Co. ("Winner," "Waylo"), 62nd & Woodland av, Phila., Pa.
Dayton Mfg. Co., Dayton, O.
Eagle Brass Foundry Co., Seattle, Wash.
Hamilton Wm Sons Car Co., Newark, Ohio
Heywood Bros. & Wakefield Co. (Seats, etc.), Gardner, Mass.
International Register Co., 15 S Throop, Chicago, Ill.
New York Veneer Seating Co. (Veneered Seats & Chairs), 171 Pacific av, Jersey City, N. J.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.

1929— Car Steps & Treads

See also Stair Treads

For Rubber Treads, See Mats & Matting-Rubber
American Abrasive Metals Co. ("Alumalun," "Feralun," "Bronzalun"), 50 Church, New York
American Mason Safety Tread Co. ("Mason" & "Stanwood"), Lowell, Mass.
Hamilton Wm. Sons Car Co. (Car Steps Only), Newark, Ohio
Universal Safety Tread Co., Waltham, Mass.

1930— Car Trimmings

See also Car Curtains & Materials

Adams & Westlake Co. (Metal Coach), 319 W Ontario, Chicago, Ill.
Brill J. G. Co., 62d & Woodland av, Phila., Pa.
Columbia Machine Works & Malleable Iron Co. (Metal), Atlantic av & Chestnut, Brooklyn, N. Y.
Curtain Supply Co., 350 W. Ontario, Chicago, Ill.
Delaware Marine Mfg. Co. (Brass & Bronze), Wilmington, Del.
Dayton Mfg. Co. (Brass & Bronze), Dayton, O.
Du Pont E. I. de Nemours & Co., Inc., Sales Dept., Fabrikoid Div., Wilmington, Del. *See adv index at end of book*
Edwards O. M. Co., Inc., Syracuse, N. Y.
Halstead & Co. (Brass), 1129 Cherry, Phila., Pa.
Hamilton Wm. Sons Car Co. (Brass & Bronze), Newark Ohio
Handlan-Buck Mfg. Co., 210-14 N 3rd, St. Louis, Mo.
Howard Jas. L. & Co. (Metal), Hartford, Conn.
Ives H. B. Co., New Haven, Conn.
Johnson Bronze Co. (Brass & Bronze), New Castle, Pa.
Loeffelholz Co. (Brass), Milwaukee, Wis.
St. Louis Car Co., 8000 N. B'way, St. Louis, Mo.
Sherburne & Co., 53 Oliver, Boston, Mass.
Wallace Supplies Mfg. Co., 1312 Diversey pkway, Chicago, Ill.

1931—Car Truck Side Frames

Bettendorf Co. (Cast Steel for Freight Cars), Bettendorf, Ia.
Brill J. G. Co., 62d & Woodland, Phila., Pa.
St. Louis Car Co., 8000 N. B'way, St. Louis, Mo.
Scullin Steel Co. (Cast Steel for Freight Cars), 6700 Manchester, St. Louis, Mo.

1932—Car Truck & Body Bolsters

American Bridge Co. (Car Bolsters), 30 Church, New York
American Car & Foundry Co., Syndicate Tr. bldg, St. Louis, Mo.
American Steel Foundries (Open Hearth Cast Steel), McCormick bldg., Chicago, Ill.
Bettendorf Co. (Trucks & Cast Steel Bolsters), Bettendorf, Ia.
Brill J. G. Co., 62d & Woodland, Phila., Pa.
Buckeye Steel Castings Co. (Cast Steel), Columbus, O.
Chicago Railway Equipment Co. ("Monitor"), 1928 W 46th, Chicago, Ill.
Commonwealth Steel Co. (Cast Steel), Pierce bldg., St. Louis, Mo.
Gould Coupler Co., 30 E 42nd, New York
Hamilton Wm. Sons Car Co., Newark, Ohio
Pittsburgh Steel Foundry Co. (Open Hearth Steel Car Bolsters), 1115H Empire bldg, Pittsburgh, Pa.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Republic Railway Equipment Co., Inc., Railway Exchange Bldg., Chicago, Ill.
S. P. F. WOOD PRESERVING CO., INC., 76 Wall, New York, N. Y., & 78 Beverly, Boston, Mass.
St. Louis Car Co., 8000 N. B'way, St. Louis, Mo.
Scullin Steel Co. (Cast Steel), 6700 Manchester av, St. Louis, Mo.
Standard Steel Car Co., A. V. R. R., Pittsburgh, Pa.
Western Steel Car & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.

1933-4—Car Window Fixtures

Brill J. G. Co., 62d & Woodland, Phila., Pa.
Edwards O. M. Co., Inc. ("Paownyc"), Syracuse, N. Y.
Ives H. B. Co., New Haven, Conn.

1935—Carbanese (Iron Purifier)

Midvale Mining & Mfg. Co., Central Nat'l Bk. bldg, St. Louis, Mo.

1935a— Carbazole

Barrett Co., 17 Battery pl, New York

Carbide Mfrs.

See Calcium Carbide

1935b— Carbofrax

Carborundum Co., Niagara Falls, N. Y.
Carbolineum Wood Preserving Co., 41 Barclay, New York

1936— Carbolineum Importers

Am. Wood Preserving Co., 3743 N Marshfield av, Chicago, Ill.
C-A-WOOD PRESERVER CO., 6210 Delmar blvd, St. Louis, Mo.
Carbolineum Wood Preserving Co., 84 Barclay, New York
Northeastern Co., 230 Main, Cambridge, 39, Mass.
PROTEXOL CORP., 41 Barclay, New York *See adv index at end of book*
S. P. F. WOOD PRESERVING CO., INC., 230 Main, Cambridge, Mass., & 76 Wall, New York

1937— Carbon Bi-Sulphide

Dow Chemical Works, Midland, Mich.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Fuerst Bros. & Co. (Imported), 2 Stone, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
National Gum & Mica Co., 12 W End av, New York
Riddle Chemical Co. Inc., 35 S Dearborn, Chicago
See adv index at end of book
Stauffer Chemical Co., 624 California, San **Francisco, Cal.**
Taylor Chemical Co. (In Drums), Penn Yan, N. Y.
Warner Chemical Co., 52 Vanderbilt av, New York
Wheeler, Reynolds & Stauffer, 624 California, San Francisco, Cal.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

1937a—Carbon (Black Diamonds & Bortz)

ACME DIAMOND TOOL CO., 170 Broadway, New York
Atkins, Kroll & Co., 260 California, San Francisco, Cal.
Bandler Bernard & Sons (For Diamond Drills & All Mechanical Purposes), 8 W 40, New York
Byron & Hall, 116 Broad, New York
Crafts Arthur A. Co. ("Crafts" Black Diamonds only), 125 Summer, Boston, Mass.
Dessau Maurice S. (For all Mechanical Purposes), 6 Maiden Lane, New York

Diamond Drill Carbon Co., 59 Park Row, New York
Diamond Pointed Tool Co., 101H Beekman, New York
Dickinson Thos. L., 34 Gold, New York
Francis & Co., Hartford, Conn.
Levine Abram, 2 Maiden Lane, New York
Mendes Cutting Factories, 105 W 40, New York
Meyers W. F. Co. (Or African Diamonds), Bedford, Ind.
Patrick R. S., Sellwood bldg, Duluth Minn.
Stern Bros. & Co., 2 W 46th, New York
Van Itallie I. C. Co., 90 W B'way, New York
Wheel Trueing Tool Co., Penobscot bldg, Detroit, Mich.

1938-8a—Carbon Black Mfrs.

BINNEY & SMITH CO. (& Blacks of every description), 41 E 42nd, New York
Cabot Godrey L., Old South bldg, Boston, Mass.
Columbian Carbon Co., Williamsport, Pa.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Hyde Carbon Black Co., Ridgway, Pa.
Imperial Oil & Gas Products Co., Harrisville, W. Va.

INDUSTRIAL CHEMICAL CO., 1414 Fifth Ave. bldg, New York
See adv index at end of book
Martin L. Co. ("Sunset," "New Century," "Anchor," & "Elephant"), 45 East 42nd, New York
Morrill Geo. H. Co., Norwood, Mass.
National Carbon Co., Inc., ("Columbia" Welding), Thompson av & Orton, Long Island City, N. Y.
National Sales & Trading Co. (Pressed), Cleveland, O.
Osborn C. J. Co., 132 Nassau, New York
Peerless Carbon Black Co., 1st National Bank bldg, Pittsburgh, Pa.
Rock Run Carbon Co., Warren, O.
Seaver & Co., 3 Tremont Row, Boston, Mass.
Smith J. Lee & Co., 19 Jacob, New York
Southern Carbon Co., Warren, O.
Weston Carbon Co., Warren, Pa.

1938b—Carbon (Decolorizing and Deodorizing)

Binney & Smith Co., 41 E 42nd, New York
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
INDUSTRIAL CHEMICAL CO. ("Nuchar"), 1414 Fifth Ave. bldg, New York
See adv index at end of book

NUCHAR
the most efficient and economical carbon for the purification of
Pharmaceuticals
Fine Chemicals
Edible Oils, Fats, etc.
Sugar and Syrups
FREE TECHNICAL SERVICE
Industrial Chemical Co.
1414 Fifth Avenue Building
NEW YORK CITY

Salomon L. A. & Bro. ("Norit"), 216 Pearl, New York

1938c—Carbon Dioxide (Liquid)

Chicago Carbonic Gas Co., 904 W. Superior, Chicago, Ill.
Lennox Chemical Co., 1205 E. 55th, Cleveland, O.
Ohio Chemical & Mfg. Co., Cleveland, O.
Pacific Silicate Co., Balfour bldg, San Francisco, Cal.

1938d— Carbon (Filtering)

Binney & Smith Co., 41 E 42nd, New York

1938e— Carbon (Gas Retort)

Brockton Gas Light Co., Brockton, Mass.
Buffalo Gas Mantle Co., 407 Maslen, Buffalo, N. Y.
Calhoun Gas Co., Battle Creek, Mich.
Derby Gas Co., Derby, Conn.
Industrial Chemical Co., 1414 Fifth Av bldg, New York
See adv index at end of book

1939— Carbon Mfrs.

Acheson Graphite Co. (Pure), Niagara Falls, N. Y.
Brown & Caene ("Bee Cee"), 2317 Calumet av, Chicago, Ill.
Carbic Mfg. Co. (For Use in Welding), Duluth, Minn.
Carbon Products Co., Lancaster, Ohio
Corliss Carbon Co., Bradford, Pa.
Elk Graphite Milling Co., St. Marys, Pa.
National Carbon Co., Thompson av & Orton, Long Island City, N. Y.
Sanders John D. (Plants, Oil Well Tools), Monroe, La.
Speer Carbon Co. (Rods, Tubes & Discs), St. Marys, Pa.
Stackpole Carbon Co., Dept H, St. Marys, Pa.

1940— Carbon Removers

Adams & Elting Co. ("Ad-el-ite"), 1833 Seward, Chicago, Ill.
Bastian-Blessing Co., 125 W. Austin av, Chicago, Ill.
Beckley-Ralston Co. ("Carbosolvent"), 1801 S Michigan av, Chicago, Ill.
Bishop & Babcock Co. ("Eureka" Oxygen Decarbonizing Device), 1204 E. 55th, Cleveland, O.
Carleton Co., 27 Commercial av, Boston, Mass.
Chicago Automobile Supply House ("Chicago" Liquid), 1351 S Michigan av, Chicago, Ill.
Detroit White Lead Works ("Rogers"), 560 E. Milwaukee av, Detroit, Mich.
Dyer Co., 155 Brookline, Cambridge, Mass.
Economy Welding Machine Co., Kansas City, Mo.
Hall-Thompson Co. ("Wonder Worker" & "Magic Decarbonizer"), 844 Windsor, Hartford, Conn.
Harvey Chemical Co. ("Harvey" Chemical), Lafayette, Ind.
Johnson S. C. & Son, Racine, Wis.
Michener E. S., 80 E Washington, New Castle, Pa.
Milwaukee Auto Specialty Co. ("Decarbonizer," "Masco," "Liquid"), 711 Chestnut, Milwaukee, Wis.
Motor Car Supply Co. ("M. S. C."), 1453 Michigan av, Chicago, Ill.
Nacto Cleaner Corp. ("Nacto"), 2171 Madison av, New York
Northwestern Chemical Co. ("Carbonox"), Marietta, O.
Ohio Grease Co. ("Karbon Killer"), Loudonville, Ohio
Panama Oil & Grease Co. ("Wheatley"), 113 W 51st, New York
Standard Varnish Works ("Kwickwork"), 443H Fourth av, New York
Thomas Carbon Remover Co., 15 Railroad, Cortland, N. Y.
Van Tilburg Oil Co. ("Car-Bon-Go"), 2428 University av S E, Minneapolis, Minn.
Worko Co., Racine, Wis.

1941—Carbon Rocks and Blocks (Welding)

OXWELD ACETYLENE CO., 30 E 42nd, New York
See adv index at end of book

1942-9— Carbon Tetrachloride

Castle James M. Inc., 1224 Arch, Phila., Pa. *See adv index at end of book*
Cooper & Cooper, Inc., 23H Cliff, New York
Dow Chemical Co., Midland, Mich.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Great Western Electro-Chemical Co., 9 Main, San Francisco, Cal.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Innis Speiden & Co., Inc., 46 Cliff, New York
Isco Chemical Co., 46 Cliff, New York
Klipstein A. & Co. (Imp.), 644 Greenwich, New York
Merck & Co., 45 Park pl, New York
National Sales & Trading Co. (Black), Cleveland, O.
Niagara Smelting Corp., Niagara Falls, N. Y. *See adv index at end of book*

CARBON
TETRACHLORIDE
Niagara Smelting Corporation
NIAGARA FALLS, N. Y.

Riddle Chemical Co. Inc., 35 S Dearborn, Chicago
See adv index at end of book
Riverside Mfg. Co., 4528 S Broadway, St. Louis, Mo.
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book
Warner Chemical Co. (Non-Inflammable Solvent), 52 Vanderbilt av, New York
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

1950— Carbonate of Potash

Bird J. A. & W. & Co. (Imp. "Bull's Head" Brand), 348 Concord sq, Boston, Mass.
Cooper & Cooper, Inc., 23H Cliff, New York
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co. (Imported), 545 Hanna bldg, Cleveland, Ohio *See adv index at end of book*
Herrick & Voight, 99 John, New York
Innis Speiden & Co., Inc. (Calcined All Test), 46 Cliff, New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Peters, White & Co. (Importers), 110 William, New York
Powers-Weightman-Rosengarten Co., 916H Parrish, Philadelphia, Pa.
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book
Takamine Commercial Corp. (Imp.), 120 B'way, New York
Vitro Manfg. Co., H Bessemer bldg, Pittsburgh, Pa.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*
Chicago, Ill.

1951—Carbonation or Saturation Plants

Dyer Co., 2031 Euclid av, Cleveland, O.
Kilby Mfg. Co., 4623 Lakeside av, Cleveland, O.

1952— Carbonators

American Soda Fountain Co., 282 Congress, Boston, Mass.
Bastian-Blessing Co., 240 E Ontario, Chicago, Ill.
See adv index at end of book
Bishop & Babcock Co. ("Eureka," "Champion" Electric, Hydraulic, etc), 1204 E 55th, Cleveland, O.
Federal Brass Works, 3100 S Kedzie, Chicago, Ill.
Liquid Carbonic Co., 3100 S Kedzie av, Chicago, Ill.
McCahill Soda Fountain Co., 215 E 23rd, New York
Maas Carbonator Co. ("Maas"), 2228 Clybourn, Milwaukee, Wis.
Rathjen Egger Co. (Green's Automatic"), 457 Ellis, San Francisco, Cal.
Saal H. G. Co., 1800 Montrose av, Chicago, Ill.
Schneible C. A., Esq. (& Repairs), 132 E 121st, New York
Twitchell S. Co. ("Washington," "President"), 223 Vine, Phila., Pa.

1953-4— Carbonizing

American Metal Treatment Co., Elizabeth, N. J.
Buchanan C. G. Chemical Co. ("Pack" & "Triangle B" Compounds), 4650 Baker av, Cincinnati, O.
Century Steel Co. of Am., Poughkeepsie, N. Y.
General Mach Works, York, Pa.
Kohler Die & Specialty Co., De Kalb, Ill.
Meisel Press Mfg. Co. (Steel), 942 Dorchester av, Boston, Mass.
Michigan Steel Casting Co. (Boxes & Pots), 248H Guoin av, Detroit, Mich.
Reliance Engineering Co., Lansing, Mich.
Vincent Steel Process Co., 3131 Bellevue av, Detroit, Mich.

1955— Carbons (Arc Light)

Carbon Products Co., Lancaster, Ohio
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
National Carbon Co. ("Columbia," Headlight," "Silvertip," "National & White Projector," "Regenerative Flaming," "Silvertip Flame"), Thompson av & Orton, Long Island City, N. Y.
Pease C. F. Co., 820 N Franklin, Chicago, Ill. *See adv index at end of book*
Reisinger Hugo ("Excello" Flaming Arc, "Electra," Importers), 11 B'way, New York

1956-7— Carbons (Battery)

Carbon Products Co., Lancaster, Ohio
Manhattan Electrical Supply Co., 17 Park pl, New York
National Carbon Co. (Cylinders, Pencils, Plates), Thompson av & Orton, Long Island City, N. Y.
Speer Carbon Co., St. Marys, Pa.
Stackpole Carbon Co., St. Marys, Pa.
Universal Carbon Co., Dundee, Ill.

1958— Carbons (Searchlight)

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
National Carbon Co., Thompson av & Orton, Long Island City, N. Y.

1959— Carboys (Glass)

American Bottle Co., 38 S Dearborn, Chicago, Ill.
Bottlers' & Mfrs. Supply Co., 792 E 133rd, New York
Gayner Glass Works, Salem, N. J.
Hawley Glass Co., Hawley, Pa.
Illinois Glass Co., Alton, Ill.
McLaughlin Glass Co., 1900 E 52nd, Los Angeles, Cal.
North Baltimore Bottle & Glass Co., Terre Haute, Ind.
Pacific Coast Glass Works, 7th & Irwin, San Francisco, Cal.
Reading Glass Works, Reading, Pa.
Whitall Tatum Co., 48 Barclay, New York

1960— Carburetors

A. H. W. Carburetor Co. ("Aket"), 250 Jefferson, Newark, N. J.
Air Friction Carbureter Co., Dayton, O.
Allen Fire Dept. Supply Co., 159 Aborn, Providence, R. I.
Apex Elec. Mfg. Co. ("Apex" Throttle for Automobiles), 1410 W 59th, Chicago, Ill.
Atkins E. G. Co. ("Tom Thumb" Gasoline & Kerosene), Mansfield, O.
Blancke A. C. & Co., 602 W Lake, Chicago, Ill.
Bowen Corp. ("Garillus") Detroit, Mich.
Breeze Metal Hose & Mfg. Co. (Kerosene & Gasoline), 250 South, Newark, N. J.
Brennan Motor Mfg. Co., Syracuse, N. Y.
Briscoe Devices Co., Jackson, Mich.
Byrne Kingston & Co. ("Kingston"), Kokomo, Ind.
Camden Anchor-Rockland Mach. Co. ("Knox"), Camden, Me.
Carter Carbureter Co., 2840 N Spring, St. Louis, Mo.
Col-Mac Co. ("Col-Mac"), 250 South, Newark, N. J.
Detroit Lubricator Co. ("Stewart"), Detroit, Mich.
Detroit Motor Castings Co. ("B-D"), 1067 Beaufait, Detroit, Mich.
Dow Mfg. Co. ("Methot"), Braintree, Mass.
Ensign Carburetor Co. ("Ensign"), 1626 S Los Angeles, Los Angeles, Cal.
Essex Brass Foundry Co., Cambridge, Mass.
Fowler Lamp & Mfg. Co. ("Vortex"), 59 E 24th, Chicago, Ill.
Franklin Oil & Gas Co. ("Franklin"), Bedford, O.
Generator Valve Co. ("Acorn," "Eclipse"), 47 Dinsmore pl, Brooklyn, N. Y.
Holley Carburetor Co. ("Hollery"), Vancouver & P. M. R. R., E. Detroit, Mich.
Hoyt Electric Instrument Works ("Lovejoy"), Penacock, N. H.
Hoyt Fred C., 15 Union av, Boston, Mass.
K. D. Carburetor Co., Hamilton & Marquette, Cleveland, O.
K.-W. Ignition Co., Chester av & E 30th, Cleveland, O.
Lucas-Wallace Mfg. Co. ("Wallace"), Paducah, Ky.
McCord Radiator Mfg Co. ("McCord"), 2587 E. Grand blvd, Detroit, Mich.
Marvel Carburetor Co. ("Marvel"), Flint, Mich.
Master Carburetor Co. ("Master"), 3000 S Main, Los Angeles, Cal.
Mayer Carburetor Co., 2673 Main, Buffalo,
Mechanical & Electrical Mfg. Co., 2227 Prairie av, Chicago, Ill.
Miller Harry A. Mfg. Co. ("Miller"), 2652 Long Beach av, Los Angeles, Cal.
Milwaukee Auto Engine & Supply Co. ("Milwaukee"), 841- 29th, Milwaukee, Wis.
Milwaukee Auto Specialty Co. ("Milwaukee"), 711 Chestnut, Milwaukee, Wis.
Model Machine Wks. ("Stafford"), 317 W. Pico, Los Angeles, Cal.
Monarch Valve Co., 112 Front, Brooklyn, N. Y.
Mosler A. R. & Co. ("M. & B."), Mt. Vernon, N. Y.
Motsinger Device Mfg Co., Lafayette, Ind.
Nelson Tool Co., Inc. ("Stokes"), 782 E 142d, New York
North Chicago Machine Co. ("Palmbla Atomizer"), North Chicago, Ill.
Pacific National Investment Co. ("Tangye Cyclone"), 1350 S Bonnie Brae, Los Angeles, Cal.
Schlosser Mfg. Co., 151 E 126th, New York
Schoen-Jackson Co. ("Feps"), Media, Pa.
Schroeder H. D. ("Schroeder") 800 Date, Los Angeles, Cal.
Shakespeare Co. ("Shakespeare"), Kalamazoo, Mich.
Simms Magneto Co., East Orange, N. J.
Specialty Brass Co., Inc. ("Lingo" Kerosene & Gasoline), Kenosha, Wis.
Stromberg Motor Devices Co. ("Stromberg"), 64 E 25th, Chicago, Ill.
Sunderman Corp. ("Sunderman"), Newburgh, N. Y.
Tillotson Mfg. Co. ("Tillotson"), Toledo, O.
Toquet Carburetor Corp. ("Toquet"), Westport, Conn.
Vincennes Motor Mfg. Co. ("Hunters"), Vincennes, Ind.
Water Gas Carbureter Co., 2207 Penn, Kansas City, Mo.
Wheeler-Schebler Carburetor Co. ("Schebler"), Sanders & Barth, Indianapolis, Ind.

1961— Cardboard

See also Box Board Mfrs.

Agar C. A. & Co. (Mounters), 167 41st, Brooklyn, N. Y.
Amboy Paper Co. (Bristol), Bridgeport, Pa.
Am. Coating Mills, Elkhart, Ind.
American Luminous Products Co. ("Radio"), Huntington Park, Cal.
American Wood Board Co., Schuylerville, N. Y.
American Writing Paper Co. (Index Bristols), Holyoke, Mass.
Blandy Paper Co., Schuylerville, N. Y.
Brown E. M. Paper Co., Rock City Falls, N. Y.
Champion Coated Paper Co., Hamilton, O.
Chicago Mat Board Co., 664 Washington blvd, Chicago, Ill.
Columbian Paper Co., Buena Vista, Va.
Contoocook Valley Paper Co., West Henniker, N. H.
Crocker, Burbank & Co., Fitchburg, Mass.
Earl M. J., Reading, Pa.
Falulah Paper Co. (Coated), Fitchburg, Mass.
Gair Robert Co., 350H Madison av, New York
Garrett C. S. & Son Co., 20 S Marshall, Phila., Pa.
Hampden Glazed Paper & Card Co., Holyoke, Mass.
Holyoke Card & Paper Co. (Translucents Cover Stock, Calendar Stock, Photo Mount Stock, Tag Stock & Specialties), Fiske av, Springfield, Mass.
International Paper Co., 100 E 42nd, New York
Kalamazoo Paper Co., Kalamazoo, Mich.
Monarch Paper Co., Kalamazoo, Mich.
N. Y.-New England Co. (Specialties), Holyoke, Mass.
Paraffine Cos., Inc. (Southern Board Mills), Vernon & Santa Fe avs, Los Angeles, Cal.
Regenstein-Veeder Co., 3432 No. Kimball av., Chicago, Ill.
Rhode Island Cardboard Co., Pawtucket, R. I.
Riverview Coated Paper Co., Kalamazoo, Mich.
Tileston & Hollingsworth Co., 49 Federal, Boston, Mass.
Waterproof Paper & Board Co. (Waxed), 427 E 6th, Cincinnati, Ohio

1961a— Card Index Boxes

See also Filing Cabinets & Devices

WEIS MFG. CO. THE, Monroe, Mich.
See adv index at end of book



Weis

Midget Card Trays

Handy, sturdy little boxes for ticklers, memory joggers, lists of addresses—in fact, any information one wishes to keep close at hand, properly indexed for quick reference. Made in 2¼"x4", 3"x5", 4"x 6", 5"x8", with or without covers. Send for big, free catalog of Office Filing Equipment, Office Supplies and Sectional Bookcases and booklet "Filing Suggestions."

The Weis Manufacturing Co.
132 Union Street, Monroe, Michigan
A. H. Denny, Inc., 52 Park Place, New York



1961b— Cards (Coin Mailing)

Dennison Mfg. Co., So Framingham, Boston, Mass.
Lindley Box & Paper Co., Dept. H, Marion, Ind.

1962— Cards (File)

Cincinnati Tool Co., Main & Waverly av, Cincinnati, Ohio
Darby Edw. J. & Sons, 319 Vine, Phila., Pa. *See adv index at end of book*

NICHOLSON FILE CO. ("Nicholson"), Providence, R. I.
Phoenix Hdwe. & Mfg. Co., 49 Illinois, Buffalo, N. Y.
Tragle Mfg. Co. ("I X L"), Reading, Pa.
Watson L. S. Mfg. Co., Leicester, Mass

1963—Cards (Horse, Cotton & Wool)

Watson L. S. Mfg. Co. ("Watson"). Leicester, Mass.

1964—Cards (Index & Guide)

Boston Index Card Co. (Plain & Celluloid, also Folders), 113 Purchase, Boston, Mass.
Continental Fibre Co. ("Fibre"), Newark, Del.
Dawson Mfg. Co., 312 N. 2nd, St. Louis, Mo.
Delaware Hard Fibre Co. (Fibre), Wilmington, Del.
See adv index at end of book
GENERAL FIREPROOFING CO. (THE), 2308 Logan av, Youngstown, O.
See adv index at end of book
Globe-Wernicke Co. (The), 25 Carthage av, Cincinnati, Ohio
See adv index at end of book
Goodline Mfg. Co. (All-Metal), Kent, O.
INDEX VISIBLE, INC. ("Index Visible," Plain & Celluloid, Visible Card Index System & Equipment), 441 Chapel, New Haven, Conn.
Jenkins Bros. Co. ("J. B."), 422 Boyd, Los Angeles, Cal.
Library Bureau ("Library Bureau"), Dept H, Cambridge, Mass.
National Paper Product Co., 1789H Montgomery, San Francisco, Cal.
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
Postindex Co. ("Costmeter"), 373 B'way, Boston, Mass.
Shaw-Walker Co., Muskegon, Mich.
Standard Index Card Co. (Also Celluloid Tipped Guide Cards), 709 Arch, Phila., Pa.
WEIS MFG. CO. THE, Monroe, Mich.
See adv index at end of book
Yawman & Erbe Mfg. Co., St. Paul, Rochester, N. Y.

1965— Carlines

Chicago Cleveland Car Roofing Co., 80 E Jackson boul, Chicago, Ill.
Cleveland Car Specialty Co. (Pressed Steel), Lakeside opp. E 45th, Cleveland, O.
Pressed Steel Car Co. (Pressed Steel), 307 5th av, Pittsburgh, Pa.
Western Steel Car & Foundry Co. (Pressed Steel), Farmers Bank bldg, Pittsburgh, Pa.

1966—Carousels, Organs, Etc.

Dentzel Wm. H., 3641 Germantown av, Phila, Pa.
Health Merry-Go-Round Co., Quincy, Ill.
Mangels Wm. F. Co., 2863 W 8th, Brooklyn, N. Y.
Morris E. Joy, 902 Walnut, Phila., Pa.
North Tonawanda Musical Instrument Wks. (also Skating Rinks), N. Tonawanda, N. Y.
Parker C. W. (Jumping Horses), Leavenworth, Kan.
Phila. Toboggan Co. (Carousels Only), 1304 E Duval, Germantown, Phila., Pa.
Spillman Engineering Co, North Tonawanda, N. Y.

Carpenters & Builders

See Contractors, Building & General

Carpeting (Rubber)

See Mats & Matting, Rubber

1967—Carriage Calls (Electric)

Betts & Betts Corp., 631H 43rd, New York
Edwards & Co., Exterior & 140th, New York
Electric Carriage Call & Specialty Co (For Theatres, etc.), Canal pl & 141st, New York
Norden Elec. Sign Co., 112 E 125th, New York
Universal Electric Stage Lighting Co. Inc. (Kliegl Bros.), ("Kliegl"), 321 W. 50th, New York

1968—Carriage Cloth (Rubber & Enamel)

Boston Woven Hose & Rubber Co., Cambridge, Mass.
Chase L. C. & Co. (Motor Car), 89 Franklin, Boston, Mass.
Empire Tire & Rubber Corp. (Rubber), Trenton, N. J.
Goodlatte T. R. & Sons, Inc. (Black Enamel), Delawanna av, Delawanna, N. J.
Heath Edmund F. & Son (Enamel & Rubber), 225 Warren, Newark, N. J.

Hodgman Rubber Co. (Rubber), 25 W 43rd, New York
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Landers Bros. Co., Toledo, O.
Mechanical Fabric Co. (Rubber), 40 Sprague, Providence, R. I.
Pocona Rubber Cloth Co., Trenton, N. J.
Reading Rubber Mfg. Co., Reading, Mass.

1969— Carriage Cloth (Woolen & Worsted)

American Mills Co., Rockville, Conn.
Fabyan Woolen Co., Stafford Springs, Conn.
Glenside Woolen Mills, Skaneateles Falls, N. Y.
Harris Emery Co., Penacook, N. H.
Libbey W. S. Co., Lewiston, Me.
Neponset Woolen Mills, Canton Junction, Mass.
Portland Woolen Mills, Chamber of Commerce bldg, Portland, Ore.
Roy Woolen Co., Watervliet, N. Y.
Saxton Woolen Co., Norwich, Conn.
Sayles A. L. & Sons, Pascoag, R. I.
Slater S. & Sons, Webster, Mass.
Stevens M. T. & Sons Co., North Andover, Mass.
Talbot Mills, N. Billerica, Mass.
Waterloo Woolen Mfg. Co., Waterloo, N. Y.

1970— *Carriage Trimmings

DU PONT E. I. DE NEMOURS & CO., INC., Fabrikoid Div. ("Fabrikoid," also Automobile Trimmings), Newburgh, N. Y.
See adv index at end of book
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book

1971—Carriage Trimmings (Plated)

See also Hardware Manufacturers, Carriage
Enterprise Brass & Plating Works, 6th & Baymiller, Cincinnati, O.
White Mfg. Co. (also Brass), 155 Cannon, Bridgeport, Conn.
Woodruff Walter W. & Sons Co., Mount Carmel, Conn.

1972— Carriages

See also Carriages classified according to their various kinds; also Carts; Wagons; Automobile Builders, etc.

ALABAMA.

ANNISTON—Hale Buggy Mfg. Co.
BIRMINGHAM—Birmingham Buggy Co.
MOBILE—Bloch Brothers
Nack Carriage & Wagon Works

CALIFORNIA.

FRESNO—Lyons-Morgan Co.
OAKLAND—Sohst John E. W.
SACRAMENTO—Bowman Carriage Co., Sacramento, Cal.
SAN DIEGO—Tiffany's Carriage Works
SAN FRANCISCO—Grave B. Co., 732 Brannan
Holmes H. E. & Co., 746 Folsom
Neumiller J. & G., 125 Fell
Reutschler Bros., 1767 15th
Wertsch Wm. Co., 24 Page
STOCKTON—Phelan S. F.
Tremain E. E.
VALLEJO—Vallejo Carriage Works
WOODLAND—Meister A. & Sons Co.

COLORADO.

COLORADO SPRINGS—Loesch H. C.
DENVER—Orrock Carriage Co., 1848 Market
Standard Carriage Co., 650 Broadway
PUEBLO—Jackson George
Morrissey Carriage Co.
Pueblo Carriage Co.

CONNECTICUT.

BANTAM—Flynn & Doyle Co.
BRIDGEPORT—Hall C. W. Carriage Co. 322 Dewey
Bryan & Lutz, 22 Colorado
HARTFORD—McGurk B. L., 1270 Albany
NEW HAVEN—Armstrong M. Co., 433 Chapel
NEW LONDON—Moran D. E. & J. F.
NORWICH—Scott & Clark Corp'n.
SOUTH NORWALK—Wright Luther M.

DELAWARE.

EDGEMOOR—Rotthouse Charles A.
WILMINGTON—Cahill & Co.
Cooling Carriage Co.

DISTRICT OF COLUMBIA.

WASHINGTON—Crown J. F. & Son, 2115 12th
McReynolds R. & Sons, 1432 L, N W

FLORIDA.

JACKSONVILLE—Chapman Carriage Factory

GEORGIA.

ATLANTA—Blount Carriage & Buggy Co.
BARNESVIILE—Franklin Buggy Co.
Summers Buggy Co.
COLUMBUS—Friedlaender Julius & Co.
Miller J. E. & Co.
DUBLIN—Dublin Buggy Co.
EAST POINT—Blount Carriage & Buggy Co. (Surreys & Spring Wagons)
ELBERTON—Aulds J. F. Sons
GAINESVILLE—Bagwell Mfg. Co.
GRIFFIN—Norman Buggy Co.
Empire Buggy Co.
JACKSON—Carmichael Buggy Co.
SAVANNAH—Chatham Carriage Co.
VALDOSTA—South Georgia Buggy Co.

ILLINOIS.

ALTON—Miller Dan Buggy Co.
AURORA—Frazier W. S. & Co. (Sulkies, Runabouts, Surreys)
Knapp O. P. & Son
BELLEVILLE — Heinzelman Bros. Carriage Co.
Merker & Wirsing
BLOOMINGTON—McKee & Shade
Martens-Leary Co.
BUSHNELL—Ball I. M. & R. E.
CHICAGO—Chicago Coach & Carriage Co., 1223 S Michigan av
Erby Wm. & Sons Co., 121 W Grand av
Herzog Bros., 220 Wendell
Kimball C. P. & Co., 3900 S Michigan av
Landshaft Wm. & Son, 2336 Milwaukee av
Lawder Arthur A. & Sons, 6927 Perry,
Lindskog Auto Carriage & Wagon Works: 3522 Vinc av
Metzler J. & Sons Co., 158 E Grand av
Seitz Geo., 745 Bowen av
Smith J. C. Co., 58 E 20th
DALLAS CITY—Burg L. Carriage Co (Buggies, Phaetons, Surreys)
DANVILLE—Danville Buggy Co.
Snyder D. D. & Co.
DEKALB—De Kalb Wagon Co. (Carriages or Cabs Storm)
EAST ST. LOUIS—Century Mfg. Co.
ELGIN—Van Wambeke H. F. (Runabouts)
FAIRBURY—Fairbury Carriage Co.
FREEPORT—Henney Buggy Co.
Tiger Vehicle Co. (Buggies, Concord Buggies & Wagons, Runabouts Surreys)
JACKSONVILLE—Hall Bros.
MANTENO—Smith's, H. Sons
MENDOTA—Schaller & Goebel
Sunday & Faber
MOLINE—Henney Buggy Co.
Moline Plow Co. (Buggies, Concord Buggies & Wagons, Surreys)
Sechler D. M. Implement & Carriage Co. (Buggies, Phaetons, Surreys)
Velie Carriage Co. (Buggies, Phaetons, Surreys)
OTTAWA—Formhals & Son
QUINCY—Miller E. M. Co. (Coupes, Coaches, Landaus, etc.)
ROCK FALLS—Eureka Co. (Buggies, Storm Buggies, Concord Buggies & Wagons, Surreys)
ROCKFORD—Emerson-Brantingham Co. (Buggies, Buckboards, Storm Buggies, Concord Buggies & Wagons, Phaetons, Runabouts, Surreys)
Neumeister F. P. & Co
ROCK ISLAND—White George Buggy Co. (Buggies, Buckboards, Surreys)
SANDWICH—Walters G.
SPRINGFIELD—Brand August
Davidson H. B.
STREATOR—Alliance Mfg. Co.
SYCAMORE—Loptein Bros.

INDIANA.

ATTICA—Leif Buggy Co.
AUBURN—Eckhart Carriage Co., (Buggies, Storm Buggies, Carriages or Cabs Storm, Phaetons, Surreys)
BUTLER—Butler Co., (Buggies, Storm Buggies, Carriages or Cabs Storm, Surreys)
COLUMBIA CITY—Harper Buggy Co., (Buggies, Storm Buggies, Phaetons, Stanhopes, Surreys)
COLUMBUS—Fehring Carriage Co.
CONNERSVILLE—Rex Buggy Co. (Buggies, Storm Buggies, Phaetons, Surreys)
ELKHART—Noyes Carriage Co. (Buggies, Concord Buggies & Wagons)
EVANSVILLE—Barenfanger C. W., Carriage Works, 120 4th av
Lannert Mfg. Co., 208 W 6th
Single Center Buggy Co., 131 1st av
FORT WAYNE—City Carriage Works
GOSHEN—Excelsior Buggy Co.
Lewis & Neville Mfg. Co.
HUNTINGTON—Hall Sidney Carriage Works
INDIANAPOLIS—Buchanan Joseph W., 2335 E Raymond
Parry Mfg. Co. (Buggies, Buckboards, Storm Buggies, Concord Buggies & Wagons, Phaetons, Surreys)
KNIGHTSTOWN — Knightstown Buggy Co.
KOKOMO—Reiff D. T. (Buggies)
LAFAYETTE—Anderson Peter Co.
LIGONIER—Ligonier Carriage Co., (Buggies, Storm Buggies, Surreys)
Mier Carriage & Buggy Co.
LINNGROVE—Dunbar L. L.
LOGANSPORT—Logansport Carriage Wks
MILTON—Milton Mfg. Co.
MUNCIE—Heckenhauer C. F.
Klopfer Frederick
NEW CASTLE—Rodgers Leonidas (Est. of)
NOBLESVILLE—Hare W. & Son
PRINCETON—Snapp W. L.
RICHMOND—Davis Geo. W. Motor Car Co.
Seidel Buggy Co., (Buggies, Storm Buggies, Concord Buggies & Wagons, Phaetons, Surreys)
SEYMOUR—Ahlbrand Carriage Co., (Buggies, Storm Buggies, Phaetons, Surreys
SOUTH BEND—Studebaker Corp. (Buggies, Buckboards, Concord Buggies & Wagons, Runabouts, Surreys)
TERRE HAUTE—O'Connell Martin E.
TIPTON—Binkley Buggy Co.
UNION CITY—Ross Carriage Mfg. Co.
Union City Carriage Mfg. Co. (Buggies, Storm Buggies, Phaetons, Surreys)
WARSAW—Conrad Earl W

IOWA.

BURLINGTON—Bennett Carriage Co.
Burlington Buggy Co.
CEDAR RAPIDS—Cedar Rapids Carriage Works
CHARITON—Schreiber Carriage Mfg. Co.
DAVENPORT—Woeber Carriage Works
DES MOINES — Kratzer Carriage Co. (Buggies, Surreys)
DUBUQUE—Cooper A. A. Wagon & Buggy Co., (Buggies, Buckboards, Concord Buggies & Wagons, Phaetons, Runabouts, Stanhopes, Surreys).
GRINNELL — Spaulding Manufacturing Co.
LANSING—Spinner Bros.
WATERLOO—Brown Buggy Co. (Phaetons)
Jerald S. E. Sulky Co

KANSAS.

FORT SCOTT—Flickinger & Miller
LEAVENWORTH—Bayer Henry C.
Hesse W. G. & Son Mfg. Co
TOPEKA—Rehkopf Bros.
WICHITA—Gaiser W. H.
McKenzie M. A.

KENTUCKY.

CADIZ—Malone Bros. (Buggies)
DANVILLE—Central Kentucky Carriage Co.
HENDERSON—Delker Bros. Buggy Co.
Delker Geo. Co. (Surreys, Phaetons, Driving Wagons, etc)
Henderson Mfg. Co.
LEXINGTON—Baker & Bro.
Wieman H. & Sons
LOUISVILLE—Richards Albert J., 632 W Jefferson
MADISONVILLE—Jones Buggy Co.
MAYS LICK—Buchanan S. G.
Van Camp & Newdigate
MAYSVILLE—Thompson & McAtee (Buggies)
OWENSBORO—Ames F. A. Co. (Buggies, Phaetons, Surreys)
Owensboro Buggy Co. (Buggies, Phaetons, Stanhopes, Surreys)
Peerless Buggy Co.
RICHMOND—Richmond Carriage Works
VERSAILLES—Seller Carriage Co.

LOUISIANA.

LAKE CHARLES—Lake Charles Carriage & Implement Co.
NEW ORLEANS—Dixie Vehicle Manufacturing Co., Ltd., 721 St. Joseph
O'Connor & Co. (Ltd), 518 Julia
Oster Bros., 1418 Frenchmen
Schwartz J. Co., 548 Baronne

MAINE.

BANGOR—Brown & White Co.
BAR HARBOR—Davis Bar Harbor Buckboard Co. (Buckboards)
BROOKS—Staples Harry E.
CENTER MONTVILLE—Thomson Volney
FARMINGTON—Pinkham C. A. Carriage Co. ("Concords" & "Beach")
NORTH CHESTERVILLE—Knowles A. E.
Knowlton Harry B.
Lovejoy R. N.
PORTLAND—Bailey F. O. Carriage Co. (Light), 229 Federal
McCann's D. E. Sons, 19 School

MARYLAND.

BALTIMORE—Ditch, Bowers & Taylor, Mt. Roy & North
HAGERSTOWN—Hess Carriage Co.
SPICKLER—Spickler L. A. & Sons

MASSACHUSETTS.

AMESBURY—Briggs Body Co.
Lane T. W.
Rand W. H.
Shields Carriage Co.
AVON—Collins Bartlett
AYER—Whitney Frederick
BERLIN—Stone H. A. & Co.
BEVERLY—Sawyer E. C.
BOSTON—Bryant's John Sons, 15 Austin
Harrison Robert Co., 330 W 1st S
Sargent & Ham Co., 28 Scolia
Thomas Chauncey & Co., Blandford
BROOKLINE—Quinlan M. W.
CAMBRIDGE—Henderson Bros.
Ivers F. & Son
Stewart Bros. & Co.
FOXBORO—Young Wm. A.
HOLYOKE—Bowler M. J.
LAWRENCE—Kress Bros. Carriage Co.
LOWELL—Sawyer Carriage Co.
MEDFORD—Teel Eldridge & Co.
MERRIMAC—Judkins J. B. Co.
NEW BEDFORD—Carroll William A.
NORTH ADAMS—Vadnais E. & Sons
NORTHAMPTON—Desrosier Gilbert
PEABODY—Bolster J. W.
Dole Osgood & Co.
Pike & Whipple Co.
Roome James A.

(Continued on following page)

Carriages—Continued

MASSACHUSETTS—Continued
SOMERVILLE—Kiley James A.
SPRINGFIELD—Smith Carriage Co., 2 Park
TAUNTON—Brownell & Burt, 10 Washington
Peck & White
WOODVILLE—Coolidge Carriage Co.
WORCESTER—Worcester Lunch Car & Carriage Co., 4 Quinsigamond

MICHIGAN.

ANN ARBOR—Ann Arbor Carriage Wks. (Buggies, Surreys)
Wurster E. M.
BIG RAPIDS—La Claire & Eggleston
CALUMET—Kinsman & Wagner
CHELSEA—Faist Adam G.
COLDWATER—Schmedlen W. H.
COLON—Anderson Bros.
DETROIT—Fisher Albert, 460 E Grand blvd.
FLINT—Paterson W. A. Co. (Buggies, Buckboards, Storm Buggies, Concord Buggies & Wagons, Surreys)
GRAND RAPIDS—Michigan Hearse & Motor Co.
HOLLY—Patterson Mfg. Co. (Buggies)
KALAMAZOO—American Carriage Co.
Lull Carriage Co. (Buggies, Buckboards, Concord Buggies & Wagons, Surreys)
LOWELL—Roth J. C.
MARSHALL—Page Bros. Buggy Co. (Buggies, Storm Buggies, Phaetons, Runabouts, Stanhopes, Surreys)
MILFORD—Wakely Archibald S. & Son
MONROE—Ohr F. G.
PONTIAC—Beaudett O. J. Co.
SAGINAW—Beck J. Philip & Son
WAYNE—Prouty & Glass Carriage Co. (Buggies, Buckboards, Concord Buggies & Wagons, Stanhopes, Surreys)

MISSOURI.

EDINA—Miller Wagon Co. (Buggies, Surreys)
LEXINGTON—Russell Brothers
PALMYRA—Stuhlman Bros.
ST. JOSEPH—Karl A.
Schmidt D. H. Carriage & Wagon Co.
Tanner Conrad & Sons
ST. LOUIS—Banner Buggy Co. (Buggies, also Concord Buggies & Wagons, Runabouts, Surreys), 1310 S 13th,
Boettler Fred, 1619 Clara
Dischert Geo. C. Carriage & Wagon Co., 3109 Abner pl
Kluegel T. J. Carriage & Wagon Mfg. Co., 327 So Broadway
McCabe-Powers Carriage Co., 1217 N Broadway
Maschmeier-Schaefering Carriage & Wagon Co., 2000 N 15th
Modern Wagon & Carriage Co., 1948 Papin
Moor Bros. Mfg. Co. (Buggies, Concord Buggies & Wagons, Phaetons, Stanhope's Surreys), 4900 McKissock
Rapp & Moller Carriage Co., 2220 Pine
Victor Buggy & Auto Top Co., 2615 Pestalozzi
SEDALIA—Kelk Carriage Works
SPRINGFIELD—Elsey G. E. Carriage Co.

MONTANA.

BUTTE—Butte Carriage Works
Grady F. M.
Lane Charles W.
GREAT FALLS—Black Eagle Carriage Mfg. Co.

NEBRASKA.

LINCOLN—Anderson & Christiansen
Camp J. M.
OMAHA—Murphy Andrew & Son
Pfeiffer Wm. Auto & Carriage Works

NEW HAMPSHIRE.

FARMINGTON—Perkins B. F.
HUDSON—Cummings Bros.
LITTLETON—Harris Chas. F. & Co.
MANCHESTER—Dodge S. P. Co.
Kimball Carriage Co.
Sanborn Carriage Co.

NEW JERSEY.

BURLINGTON—Birch James H.
Columbus Phaeton Co.
CAMDEN—Tiedeken Theo. C. & Bro.
FRENCHTOWN—Weiss & Fritts
HOBOKEN—Kostelecky Joseph
KEYPORT—Tilton & Cherry
MARLBORO—Reid Sidney
MONTCLAIR—Mockbridge Jas. D.
MORRISTOWN—Tunis Barton M.
NEWARK—Merz Bros., 8 Crawford
Post C. M. Co., 227 Halsey
NEW BRUNSWICK—Witty William C.
ORANGE—Orange Carriage Co.
PATERSON—Sowerbutt J. S.
RAHWAY—Terrill Bros.
RIVERTON—Woolston Chas. T.
TRENTON—McCardell J. R. & Co.

NEW YORK.

BINGHAMTON—O'Neil James
Sturtevant-Larrabee Co.
BRAINERDSVILLE—Lamberton. W. W
BUFFALO—Brunn's Carriage Mfg. Co., 1140 Main
CAMDEN—Boehm C. A. & Son
EASTHAMPTON—Everest W. S.
Gay J. E. & Co.
ELMIRA—Ayres John T.
FAIRPORT—Bown Geo. G. & Sons
GREAT NECK—Schenck Bros.
HOMER—Brockway W. N.
ITHACA—Pritchard & Sons
KINDERHOOK—Brown G. H. & Bro.
LAKE GROVE—Gould G. E.
LOCKPORT—Davis William D.
Taylor W. W.

NEW YORK CITY.

Boroughs of Manhattan and Bronx.

NEW YORK—Baitelman Samuel, 211 Wooster
Healey & Co., 252 W 68th
Studebaker Corp., 445 B'way
Wittkowsky H., 203 E 88th

End of New York City

NEW ROCHELLE—Kershaw W. B.
ONEIDA—Silver Carriage Co.
OSWEGO—Denton & Son
ROCHESTER—Cunningham Jas. Son & Co.
Rehtz F. C.
SCHENECTADY—Benns & Visscher Co.
Loucks Elmer E.
SIDNEY—Cortland Cart & Carriage Co.
SMITHTOWN BRANCH—Hallock Allanson E.
SYRACUSE—Moyer Harvey A. (Phaetons)
WATERTOWN—Babcock H. H. Co. (Buggies, Phaetons, Surreys, Victorias)
Excelsior Carriage Co.
WATERVLIET—Richenecker Chas. G.
WATERLOO—Waterloo Wagon Co., Ltd.

NORTH CAROLINA.

CARTHAGE—Tyson & Jones Buggy Co. (Buggies, Surreys, Victorias)
DURHAM—Durham Buggy Co.
ELIZABETH CITY—Elizabeth City Buggy Co.
ELKIN—Elkin Buggy Co.
GREENVILLE—Flanagan John Buggy Co.
HENDERSON—Capital Buggy Co.
Carolina Buggy Mfg. Co.
Corbitt Buggy Co.
Henderson Buggy Mfg. Co.
HIGH POINT—High Point Buggy Co.
KINGSTON—Ellis Carriage Works
Whitfield J. T.
LEAKSVILLE—Hampton J. H. Buggy Co.
MOUNT AIRY—Mount Airy Buggy Co.
OXFORD—Oxford Buggy Co.
Taylor-Cannady Buggy Co.
SANFORD—Sanford Buggy Co.
WASHINGTON—Washington Buggy Co.
WHITE PLAINS—White Plains Buggy Co.

OHIO.

ALLIANCE—Wallace A. D.
BLOOMVILLE—Cook Carriage Co.
BUCYRUS—Ruhl Geo. S.
CANTON—Canton Buggy Co., 1524 Tuscarawas E
Motter Jacob & Son, 403 4th, N E
Schellhase J. H., 312 Rex av, N E
CELINA—Cron Wm. Sons Co.
CINCINNATI—Acorn Buggy Co. (Phaetons), 211 S Spring
Armstrong A. Co. (Buggies, Phaetons, Surreys, Cabriolets, Victorias, etc), 719 State av
Brown Carriage Co. (Buggies, Jump Seat Buggies, Storm Buggies, Phaetons, Surreys), 1630 Gest
Eagle Carriage Co., 1630 Gest
Enger Frank J. (Buggies, Phaetons, Runabouts, Surreys), Clermont bg
Lion Buggy Co., C. H. & D. R. R.
Louis J. H. Automobile & Wagon Co., 314 W Court
Luth Carriage Co. (Buggies, Concord Buggies & Wagons, Phaetons, Rupabouts, Stanhopes, Surreys), 1275 Budd
Phoenix Carriage Co. (Phaetons), 901 Evans
Sayers & Scovill Co. (Buggies, Storm Buggies, Concord Buggies & Wagons, Phaetons, Stanhopes, Surreys), Gest
Schneider John A. & Co., 3717 Colerain av
Welland Co., 2414 Gilbert av
CIRCLEVILLE — Colonial Carriage Co. (Buggies, Storm)
CLEVELAND—Black P. F. Co., 2361 E 14th
Gabriel W. H. Carriage & Wagon Co., 315 Prospect av, N W
Hanger C. F. Co., 2406 E 71st
Hayes R. L. & M. H.
Schaefer Gustav Wagon Co., 4180 Lorain av
Scranton Ave. Carriage & Wagon Works, 2339 Scranton rd
Warden George J. & Co., 6530 Carnegie av
COLUMBIANA—Zimmer & Harmon
COLUMBUS—Anderson Carriage Co.
Hayes R. L. & M. H., 203 E Town
Ohio Carriage Mfg. Co., 8 High
COSHOCTON—Stewart J. R.
CRESTLINE—Holcker Bros. Buggy Co (Buggies, Storm Buggies, Phaetons, Stanhopes, Surreys)
DEFIANCE—Defiance Carriage Co. (Phaetons)
DOVER—Toomey S. Co.
FINDLAY—Findlay Carriage Co.
FOSTORIA—Eissler J. Fred.
GALION—Howard A. (Buggies, Phaetons Runabouts, Surreys)
Kunkel Carriage Works
Plack Carriage Wks.
GREENFIELD—Patterson C. R. & Sons
HAMILTON—Heck Motor Car Co.
Schweizer John
HILLSBORO—Carroll M. F. & Sons Co.
IRONTON—Ketter Buggy Co.
Phillips Buggy Works
Willis W. M. Carriage Works
JERSEY—Harrison Bros. & Co.
KENTON—Kaiser H. Buggy Co.
Kenton Carriage Co.
LIMA—Owen Brothers
LISBON—Adams John Q. Carriage Co.
LONDON—Jones C. T. & W. A.
MANSFIELD—Herring Buggy Co.
MARIETTA—Kelly J. W. & Son
MARION—Cull Wm. & Sons
Houghton Sulky Co.
McMurray Sulky Co.
MARYSVILLE—Leader Buggy Co.
MECHANICSBURG—Culbertson Bros.
MIDDLEPORT—Faehnle J. Sons
NEW WATERFORD—Koch Bros. Co.
PLYMOUTH—Webb J. W.
POMEROY—Blaettnar's M. Sons
PORT CLINTON—Port Clinton Buggy Co.
RAVENNA—Riddle Coach & Hearse Co.
ROCKFORD—Lloyd J. E. & Sons
ST. MARY'S—Makley Bros.
ST. PARIS—Wal-Rike Pony Vehicle Co.
SANDUSKY—Klenk Martin
SHELBY—Shreffler S.
SIDNEY—Crozier & Son (Buggies)
Miller & Smith
SPRINGFIELD—Fehl Henry
Rathbun P. T. & Co.
STEUBENVILLE—Workman James & Son (Buggies)
TIFFIN—Smith & Schwartzbeck
URBANA—Aughenbaugh B. A.
Dimond J. H. E. & Son
Gaumer E. B. & Sons
WADSWORTH—Stevenson E. D. (Buggies)
WAPAKONETA—Kreitzer Buggy Co.
WARREN—Morgan & Williams Co.
Riverside Carriage Co.
WAYNESBURG—Waynesburg Carriage Co.
WOOSTER—Gerstenslager Co. (Buggies)
YOUNGSTOWN—Youngstown Carriage Co.

OKLAHOMA.

MUSKOGEE—Lantz W. R. Mfg. & Supply Co.
OKLAHOMA—Oklahoma Carriage Works

PENNSYLVANIA.

COOPERSBURG—Kern S. Y. & Son
EAST DOWNINGTON—Armour Judson
EASTON—Hill Clemens F.
ELIZABETHVILLE—Swab Carriage Co.
EPHRATA—Martin J. Diller
EVANS CITY—Laderer W. C. Carriage Co.
FRANKLIN—Myers Carriage Co.
GOODVILLE—Kramer I. Newton
GROVE CITY—McKay Carriage Co.
HAMBURG—Scott & Kemmerer
HARRISBURG—Redmond A.
HONESDALE—Hermann M. & Son
LANCASTER—Nolty Henry, Jr.
LITTLESTOWN—Mehring S. D.
MIFFLINBURG—Gutelius John & Son
MOUNT JOY—Schutte Wm. H.
MOUNT PLEASANT—Galley Bros.
NEW HOLLAND—Groff & Weaver
Roseboro Chester E.
OAK BOTTOM—Groff Aaron
OGONTZ—William Harry & Son
ORRSTOWN—Wise's Samuel B. Sons
PALMYRA—Miller Jacob
PERKASIE—Weisel Milton T.
PHILADELPHIA—Geissel A. & Sons, 435 N 3rd
Petzelt & Keyser, 24th & Locust
Sowney Bros., 32nd & Read
Wenkenbach's Wm. Sons, 1314 Germantown av
PITTSBURGH—McClinton & Co., 309 Sandusky
West Co., 4017 Liberty av
QUARRYVILLE—Hess Daniel T.
READING—Biehl's Carriage & Wagon Works
Hain Geo. M.
Wetherhold W. W.
REYNOLDSVILLE—Deible H. C.
SCRANTON—Gould A. R. & Sons, 415 Linden
SHIPPENSBURG—Thush Herbert
SPRINGBORO—Graves L. C. & Co.
STRASBURG—Brackbill T. L.
STROUDSBURG—Staples & Hartman
TAMAQUA—Becker Christian
UNIONTOWN—Howard J. M. & Sons
WASHINGTON—Jackson Repairing Co.
WILKES-BARRE—Wilson J. Frank Co.
WILLIAMSPORT—Gohl Christian & Sons
YORK—Martin-Parry Corp.

RHODE ISLAND.

PAWTUCKET—McCabe Bernard Carriage Co.
PROVIDENCE—Howe H. M. Co., 93 Bucklin

SOUTH DAKOTA.

SIOUX FALLS—Olson & Detlie Carriage Co.

TENNESSEE.

BROWNSVILLE—Pracht John C.
CHATTANOOGA—Chattanooga Buggy Co., 618 Chesnut
Fassnacht A. & Sons, 13th & Fort
Fuller Auto & Wagon Wks. (Buggies), 16th Carr, at So End Market
CLARKSVILLE—Harrison D. A.
MEMPHIS—Dix John C. Son & Co., 235 Poplar
Lilly Carriage Co., 217 Union

MORRISTOWN—Carver Wagon Co.
MURFREESBORO—Walter G.
NASHVILLE — Robinson-McGill Carriage Co., 201 1st av S
Vogely & Todd, 118 3rd av N
PULASKI—Harris R. H. & Sons
SHELBYVILLE—Robinson-McGill Hardware Co. (Buggies)

TEXAS.

BEAUMONT—Southern Carriage Works
HOUSTON—Model Carriage Co.
WACO—Hopkins Patrick F. (Est. of)

VERMONT.

BELLOWS FALLS—French G. N. & Son
BRATTLEBORO—Rockwell & Sherwin
BURLINGTON—Smith Wm. (Est of)

VIRGINIA.

LYNCHBURG—Harris Carriage Co.
Hughes Buggy Co.
NEW MARKET—Clinedinst Jno. W.
NEWPORT NEWS—Miller & Gleason
NORFOLK—Wrenn A. & Sons (Buggies)
RICHMOND—Gross Conrad
Richardson Bros.
SOUTH BOSTON—Barbour Buggy Co.
Harrell R. A. Buggy Co.
WINDSOR—Bailey C. W. & Son

WASHINGTON.

SEATTLE—Pacific Wagon & Carriage Co.
Star Carriage Co.
West Street Carriage Co.

WEST VIRGINIA.

PARKERSBURG—Logan Carriage & Auto Co.
WHEELING—Morgan Carriage Co.
Waltz & Co., 2110 Main

WISCONSIN.

APPLETON—Milhaupt Co.
BOSCOBEL—Ruka Bros. Mfg. Co. (Ltd.)
EAU CLAIRE—Bonell William
FOND DU LAC—Anderson Vehicle Co.
FORT ATKINSON—Northwestern Mfg. Co. (Buggies, Concord Buggies & Wagons, Phaetons, Runabouts, Surreys)
GREEN BAY—Green Bay Carriage & Wagon Co.
JANESVILLE—Janesville Carriage Works
LA CROSSE—Voigt F.
MEDFORD—Wesle Bros.
MILWAUKEE—Grede Geo. & Bro. Co., 248 Read
Kaestner August J., 412 Cedar
Schielke & Blommer, 327 5th
Sherin W. R. Co., 547 Edison
MONROE—Fitzgibbons Bros.
NEENAH—Bergstrom C. H.
OSHKOSH—Neville T.
SHEBOYGAN—Jung Carriage Co.
WAUPUN—Morris J. S.

1973— Carriages (Children's)

Adams Carriage Co., Dover, O.
Am National Co. (Also Doll Carriages), Toledo, O
Bilt Rite Baby Carriage Co. (Baby Carriages & Strollers), 40 Stockton, Brooklyn, N. Y.
Bloch Go-Cart Co. (Go-Carts), 1136 N American, Phila., Pa.
Carriage & Toy Co. (Carriages & Go-Carts), 741 W Lombard, Baltimore, Md.
Carter & Campbell, Winchendon, Mass.
Chicago Reed Ware Co., 1523 Carrol av, Chicago, Ill.
Children's Vehicle Corp., East Templeton, Mass.
Collier-Keyworth Co. (Collapsible Go-Carts), Gardner, Mass.
Coulter's Rattan Wks., 1141 Sutter, San Francisco, Cal.
Crosby Mfg. Co., Frenchtown, N. J.
Embossing Co. (Carioles), Albany, N. Y.
Fenton's, 16th & S Main, Los Angeles, Cal.
Ficks Reed Co. (Collapsible Go-Carts), 424 Findlay, Cincinnati, O.
Field C. R. Mfg. Co., Greenfield, Mass.
Garrett Go Cart & Carriage Co. (Go-Carts & Carriages), 1723 Arcade pl, Chicago, Ill.
Gendron Wheel Co. ("Gendron"), Toledo, O.
Glascock Bros. Mfg. Co., Muncie, Ind.
Hartshorn C. H., Gardner, Mass.
Heywood Bros. & Wakefield Co. (Also Go-Carts), Gardner, Mass.
Hughes Rattan Co., 155 Valencia, San Francisco, Cal.
Kelly Bros., Gardner, Mass.
Lloyd Mfg. Co., Menominee, Mich.
Mays Rattan Works, 3347 N Clark, Chicago, Ill.
Mecky A. Co., 1705 W Allegheny, Phila., Pa.
Meinecke Mfg. Co., Richards, Milwaukee, Wis.
Menke Chas., 136 E 7th, New York
Metal Stamping Corp. (Go-Carts), Streator, Ill.
Newark Go-Cart Mfg. Co., 199 Washington, Newark, N. J.
Pahl E. F. & Co., 1032 3d, Milwaukee, Wis.
Paris Mfg. Co., South Paris, Me.
Platt Geo. A., 489 5th av, Brooklyn, N. Y.
Ramsdell, L. B. Co. (Chairs & Go-Carts), Gardner, Mass.
Rattan Mfg. Co. ("R. M. C." Doll, Go-Carts & Strollers), 552H State, New Haven, Conn.
Rich Bros., 7 E Pratt, Baltimore, Md.
Sidway Mercantile Co. ("Allwin" & Sidway Collapsible; also Stationary), Elkhart, Ind.
South Bend Toy Mfg. Co. (Dolls), South Bend, Ind.
Sturgis Steel Go-Cart Co. (Go-Carts), Sturgis, Mich.
Thayer H. N Co. (Carriages & Go-Carts), Erie, Pa.
Toledo Metal Wheel Co., Toledo, O.
Travers Mfg. Co. (& Chairs), E Templeton, Mass.
Trimble E. M. Mfg. Co. ("Kiddie Koop" Cribs), 466 Central av, Rochester, N. Y.
Uhlen Carriage Co. (Carriages & Go-Carts), Rochester, N. Y.
Waite Chair Co., Baldswinville, Mass.
Wenkenbach's Wm. Sons (Go-Carts), 1314 Germantown av, Phila., Pa.
Whitney F. A. Carriage Co. (Also Go-Carts and Folding Go-Carts), Leominster, Mass.
Whitney Reed Corp. (& Dolls), Leominster, Mass.
Withrow Mfg. Co. ("Oriole," "Go-Basket"), 2727 Spring Grove av, Cincinnati, O.

1974— Carriages (Gun)

Bethlehem Steel Co. (Steel), South Bethlehem, Pa.
Builders' Iron Foundry Co. ("Builders"), 9 Codding, Providence, R. I.
Morgan Engineering Co., Alliance, Ohio
POOLE ENGINEERING & MACHINE CO. (Barbelle & Disappearing), Woodberry, Baltimore, Md.
See adv index at end of book

1975— Carriages (Saw Mill)

Allis Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Saw Mill Machinery Co., Hackettstown, N. J.
Clark Bros. Co., Olean, N. Y.
Diamond Iron Works, 2d & 18th av N, Minneapolis, Minn.
Filer & Stowell Co., Milwaukee, Wis.
Frick Co., Waynesboro, Pa.
Garland M. Co., Bay City, Mich.
Henderson W. K. Iron Works & Supply Co., Shreveport, La.
Lane Mfg. Co., Montpelier, Vt.
McDonough Mfg. Co., Eau Claire, Wis.
Memphis Machine Works, 171 Vance, Memphis, Tenn.
Murray D. J. Mfg. Co., Wassau, Wis.
Phoenix Mfg. Co., Eau Claire, Wis.
Southern Engine & Boiler Mfg. Co., Jackson, Tenn.
Standard Saw Mill Machy. Co., Erie, Pa.
Stearns Co., Erie, Pa.
Taylor Iron Works & Supply Co., 1014 Broadway, Macon, Ga.
Union Iron Works, Bangor, Me.
Wheland Co., Westside & 27th, Chattanooga, Tenn.
Yates P. B. Machine Co., Beloit, Wis.

1976— *Carriages (Tension)

CALDWELL & SON H. W., 1700 S Western av, Chicago
LINK-BELT COMPANY, 300 W Prshing rd, Chicago, Ill.
See adv index at end of book
Wood's T. B. Sons Co., Chambersburg, Pa.

1977— Carriers (Acid Phosphate)

Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Jeffrey Mfg. Co., 961 N Fourth, Columbus, Ohio. *See adv index at end of book*
Link-Belt Company, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*

1978—Carriers (Aerial Cable)

Lamson Co. (For Cash & Sales Slips in Retail Stores), 100 Boylston, Boston, Mass.

1978a— Carriers (Ash Can)

McCabe Hanger Mfg Co., 426-8 W. 25th, New York

1979— *Carriers (Barbed Wire)

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book

1979a— Carriers (Bagasse)

Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Fulton Iron Works Co., 1295 Delaware av, St. Louis, Mo.
Honolulu Iron Works Co., 233 Broadway, New York
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Squier Geo. L. Mfg. Co., Bway & Mortimer, Buffalo, N. Y.

Carriers (Bucket)

See Elevators, Bucket

1980—Carriers (Can & Bag, Street Sweeping)

Humphrys' R. A. Sons, 1026 Callowhill, Phila. Pa. *See adv index at end of book*
Hvass Chas. & Co., 508 E 19th, New York
Rochester Can Co. ("Iron Horse" Galvanized Cans for Street Cleaning), **89 Hague, Rochester, N. Y.**
Steel Basket Co., Cedar Rapids, Ia.
Wirt & Knox Mfg. Co. ("20th Century"), **23d & York, Phila., Pa.**

1980a— Carriers (Cane)

Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Fulton Iron Works Co., 1295 Delaware av, St. Louis, Mo.
Jeffrey Mfg. Co., 961 Fourth, Columbus, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Squier Geo. L. Mfg. Co., Bway & Mortimer, Buffalo, N. Y.

1981—Carriers (Canteen, Axe, Etc.)

Boyle Mfg. Co., 5100 Sante Fe av, Los Angeles, Cal.

1982— Carriers (Carboy)

Lansing Co. ("Handy"), Lansing, Mich.

1983— Carriers (Cash)

Baldwin Jas. L. & Co. ("Baldwin" Cash & Parcel), 350 W Madison, Chicago, Ill.
Dreis Ed. J. Co., 200 2nd, San Francisco, Cal.
Lamson Co. Inc. (Also Package Carriers), Syracuse, N. Y.
Standard Conveyor Co., N. St. Paul, Minn.
See adv index at end of book
Universal Tuge Co., 321 W Ohio, Chicago, Ill.
Western Steel Car & Fdry Co., Farmers Bank bldg, Pittsburgh, Pa.

1984— Carriers (Change)

McGill Metal Products Co. ("High Speed" "McGill"), 1640 Walnut, Chicago, Ill.
Standard Conveyor Co., N. St. Paul, Minn.
See adv index at end of book

1984a— Carriers (Curtain)

McCabe Hanger Mfg. Co., 426-8 W. 25th, New York

1985— Carriers (Egg)

Continental Paper & Bag Mills, 1 Pershing sq, New York
National Egg Carrier Co. (Steel Carrier), Council Bluffs, Ia.
Quincy Egg Carrier Co., Quincy, Ill.
Star Egg Carrier & Tray Mfg. Co., Rochester, N. Y.
Wickwire Spencer Steel Corp., 41 East 42nd, New York
See adv index at end of book

1986-7—Carriers (Feed & Litter)

Automatic Carrier Co. ("Stayon"), Juneau, Wis.
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Climax Corp. ("Climax"), Dept H, Batavia, N. Y.
Cowmatic Corp. ("Cowmatic"), Lynchburg, Va.
Dick Jos. Mfg. Co. ("Blizzard," "Crescent"), Canton, O.
Drew Carrier Co., Waterloo, Wis.
Galloway Wm. Co., Waterloo, Ia.
Glor Bros. & Willis Mfg. Co. ("Glor," "New Modern"), Attica, N. Y.
Hackney Mfg. Co., St. Paul, Minn.
Harris Mfg. Co., Salem, O.
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Hunt, Helm, Ferris & Co. ("Star"), Harvard, Ill.
James Mfg. Co., Fort Atkinson, Wis.
Libbey C. A. Co., Marion & Jay, Oshkosh, Wis.
Louden Machinery Co. ("Emancipator," "High Lift," "Standard," "Quick Out," "Self Acting," Double End," "Adjustable," Wire Track & Side Dump), Fairfield, Iowa
Miller & Hoy Mfg. Co. ("M. & H.") Wauseon, O.
Milwaukee Hay Tool Co. ("Leader" Steel Track & Wire Cable), Layton Park, Milwaukee, Wis.
Moyer Mfg. Co. (Rod & Solid Track), Montevideo, Minn.
Olson Mfg. Co. ("Advance"), Albert Lea, Minn.
Owantonna Mfg. Co. ("Winner"), Owantonna, Minn.
Porter J. E. Co. ("Porter") Ottawa, Ill.
Rassmann F. Mfg. Co. ("Simplex"), Beaver Dam, Wis.

(Continued on following page)

Carriers (Feed & Litter)—Continued

Ricker Mfg. Co., Rochester, N. Y.
Rock Island Plow Co. ("Great Western"), Rock Island, Ill.
Savage W. J. Co., Knoxville, Tenn.
Strickler Hay Tool Co. ("Strickler"), Janesville, Wis.
Whitaker Mfg. Co. ("Jarvis"), 409 S Green, Chicago, Ill.

1987a— Carriers (Golf Bag)

Brauer Bros. Mfg. Co., 204 N 14th, St. Louis, Mo.
Buchheimer Geo. H., 1004 Rutland av, Baltimore, Md.
Frisk Mfg Co., 604 Golden Gate bldg, San Francisco, Cal.
Perfection Mfg. Co., St. Louis, Mo.

Carriers (Gravity)

See Conveyors, Gravity

1988— Carriers (Hay)

See also Tools, Haying
Appleton Hay Tool Co. ("Appleton," "Eagle," "Samson"), Appleton, Wis.
Farrell John, Newton, N. J.
Goshen Mfg. Co. ("Boyers," "Hercules," "Death Grip," "Goshen"), Goshen, Ind.
Hackney Mfg. Co. ("Law"), St. Paul, Minn.
Hunt-Helm-Ferris & Co. ("Star," "Peerless," "Elephant," "Harvard," "One-Way," Sling, Swivel & Reversible), Harvard, Ill.
Jackson-Byron Iron Works ("Walker"), Berkeley, Cal.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O. *See adv index at end of book*
LINK-BELT COMPANY (For Conveying & Piling Hay in Bales), 300 W. Pershing rd, Chicago, Ill.
See adv index at end of book
Louden Machinery Co. ("Jewell," "Royal," "Victor," "Louden's," Duplex, Cable, Reversible, Junior & Sling, "Universal Sling," "Automatic Sling," "Iowa Sling"), Fairfield, Ia.
Milwaukee Hay Tool Co. ("Boomer Swivel," "Leader," Rod or Cable, etc.; "Milwaukee," Reversible & Swivel, Wood & Steel Track, etc.), Layton Park, Milwaukee, Wis.
Myers F. E. & Bro. ("Myers" Unloading for Double Steel Track, Wood Track, Cable Track & Cable Draft Rope, "Cloverleaf" Unloader, "Sure Grip" Unloader, "O. K." Unloader, "Faultless" Unloader, "Imperial" Unloader & "Haymaker" Unloader Cross Draft Right Angle Triple Hoist), 950 Orange, Ashland, Ohio
See adv index at end of book
Ney Mfg. Co. ("Genuine Ney"), Canton, O.
Ney V. L. Hay Tool Co., Canton, O.
Olson Mfg. Co. ("Advance"), Albert Lea, Minn.
Porter J. E. Co. ("Barnes," "Meadow King," "Meadow Queen," "Porter," "Porter's Columbian," "Champions" Reversible, Sling & Swivel & "Prairie Queen" Steel Track), Ottawa, Ill.
Ricker Mfg. Co. ("Rochester" Wood or Steel Tracks), Rochester, N. Y.
Strickler Hay Tool Co. ("Strickler," "Boss" "Deadlock," "Janesville," "Rock River" Steel & Wood Track), Janesville, Wis.
Swineford G. A. Co. ("Swineford"), Canton, O.
Syracuse Chilled Plow Co. ("Syracuse"), Syracuse, N. Y.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Whitaker Mfg. Co. ("Sterling," "Jarvis"), 409 S Green, Chicago, Ill.

1989— Carriers (Mail)

Lamson Co., Inc. (Automatic Pick Up & Delivery Systems to Handle Mail, Bills, Documents, etc.), Syracuse, N. Y.

1990—Carriers (Merchandise)

See also Conveyors, also Trolleys & Trolley Tracks, Overhead
Allith-Prouty Co. ("Allith" Overhead Tracks), Danville, Ill.
Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Auto Bed Camp Mfg. Co., 3120 Gillham rd, Kansas City, Mo.
Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Dow Co. (Endless Apron, Bag & Sack), 20H N Buchanan, Louisville, Ky.
FABREEKA BELTING CO., (Fabreeka ideal for light carrier work), 120 High, Boston, Mass.
See adv index at end of book
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Gemco Mfg. Co. (Luggage), 742 S Pierce, Milwaukee, Wis.
Haslett Chute & Conveyor Co., Oaks, Pa.
Howe Scale Co. of Illinois, 1222 S Wabash av, Chicago, Ill.
Hudson Mfg. Co., 324 3rd av N, Minneapolis, Minn.
Hunt C. W. Co., West New Brighton, N. Y. *See adv index at end of book*
Hunt-Helm-Ferris & Co. ("Star"), Harvard, Ill.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O.
See adv index at end of book
Lamson Co., Inc. (Parcel, Cash, etc., for stores & industrial Plants), Syracuse, N. Y.
LINK-BELT COMPANY, 300 W. Pershing rd, Chicago, Ill.
See adv index at end of book
Mathews Gravity Carrier Co., Ellwood City, Pa.
Myers F. E. & Bro., 950 Orange, Ashland, O.
See adv index at end of book
New York Pneumatic Service Co., 130 W 42nd, New York
Ney Hay Tool Co., Canton, O.
Reed Co. Inc. (Electrically Welded Bicycle), Palo Alto, Cal.
Ricker Mfg. Co., Rochester, N. Y.
ROBINS CONVEYING BELT CO., 15 Park Row, New York
See adv index at end of book
Standard Conveyor Co., N St. Paul, Minn.
See adv index at end of book
Taylor Jas. L. Mfg. Co. (clamp), Poughkeepsie, N. Y.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

1991—Carriers (Milk Bottle)

Jeffrey Mfg. Co., 961 N Fourth, Columbus, O.
See adv index at end of book
Lamson Co., 100 Boylston, Boston, Mass.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago
See adv index at end of book
Mathews Gravity Carrier Co., Ellwood City, Pa.
Monroe & Crisell, 91 Front, Portland, Ore.
Parker Wire Goods Co. (Wire & Flat Steel), 149 Wash., Worcester, Mass.
Pioneer Wire Works ("Pioneer"), 133-135 Federal, Camden, N. J.
See adv index at end of book
Sharlow Bros. Co., 442 W 42nd, New York.
Smith Jno. P. & Co., New Haven, Conn.
Standard Conveyor Co., N. St. Paul, Minn.
See adv index at end of book
United Steel & Wire Co., 327 Fonda av, Battle Creek, Mich.
Washburn Co. (Andrews Division), Preston, Rockford, Ill.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Wickwire Spencer Steel Corp., 41 East 42nd, New York
See adv index at end of book
Woods-Sherwood Co. (Wire), 28 Union, Worcester, Mass.

1992— Carriers (Milk Can)

Harris Mfg. Co., Salem, O.
James Mfg. Co., Fort Atkinson, Wis.
Jeffrey Mfg. Co., 961 N Fourth, Columbus, O.
See adv index at end of book
Mathews Gravity Carrier Co., Ellwood City, Pa.
Metal Products Corp., 49 Chestnut, Weehawken, N. J.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

1992a— Carriers (Parcel—Luggage)

Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
See adv index at end of book
Boyle Mfg. Co. ("Boyco" Metal), 5100H Santa Fe av, Los Angeles, Cal.
California Metal Products Co. ("Bear" Collapsible), 333 1st, San Francisco, Cal.
Central States Steel Equipment Co. ("Better-Bilt" & "Central States"), Center & Allen, Joliet, Ill.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Chicago Tool & Kit Co. (for auto running board), 160 Whiting, Chicago, Ill.
Dow Co., 201H N Buchanon, Louisville, Ky
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Gray Auto Equipment Co. ("Gray" Rear), 569 3rd, Oakland, Cal.
Kales Stamping Co., 1680 W Lafayette, Detroit, Mich.
See adv index at end of book
Kittle Mfg. Co. ("Besgrade Kittle" Collapsible Auto), 643 Santa Fe av, Los Angeles, Cal.
Leather Mat Mfg. Co., Inc. ("Coney" for Autos), 340 Sansome, San Francisco, Cal.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago
See adv index at end of book
Luther Grinder Mfg. Co., 285 S. Water, Milwaukee, Wis.
Lyons Mfg. Co. ("Interlock" Automobile Tire), 342 York, New Haven, Conn.
Marquette Mfg. Co. Inc. ("Marquette" Luggage), Endicott bldg, St. Paul, Minn.
Messenger & Parks Mfg. Co. (Metal), Aurora, Ill.
Milwaukee Motor Products, Inc. ("Grip Rack"), 760 30th, Milwaukee, Wis.
New York Pneumatic Service Co., 130 W 42, New York.
Reynolds & Co., Real Estate Trust bldg, Phila., Pa.
Standard Conveyor Co., N. St. Paul, Minn.
See adv index at end of book
Standley Skid Chain Co. ("Stanley" for Automobile), Boone, Ia.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book

1993—Carriers (Self-Feeder, Wing)

New Liberty Washing Machine Co., St. Paul, Minn.

1994— Carriers (Trace)

Elbel Mfg. Co. (The), 826 Mulberry rd, Canton, O.
Frazer & Jones Co. ("Cooper" Patn., "Reynolds" Patn., also Hip Drop) Syracuse, N. Y.
North & Judd Mfg. Co. ("Wilson," "Knapp," "Lincoln," "Cooper" Patn., "Calif." Patn., "Nubritain," "Security," etc), New Britain, Conn.

1994a— Cars (Air Dump)

Kilbourne & Jacobs Mfg. Co., Columbus, O.
Magor Car Corp., 30 Church, New York
Russell Wheel & Fdy. Co., Detroit, Mich.

1994b—*Cars (All Around Dump)

Easton Car & Construction Co., 36 Holley, Easton, Pa.
See adv index at end of book
Magor Car Corp., 30 Church, New York

1994c—Cars (Annealing Furnace)

Easton Car & Construction Co., 36 Holley, Easton, Pa.
Lakewood Engng. Co., Cleveland, O.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

1995— *Cars (Asphalt)

Hunt C. W. Co., West New Brighton, N. Y
See adv index at end of book

1995a— Cars (Automatic)

Easton Car & Construction Co., 36 Holley, Easton, Pa.
Westward Wheeled Scraper Co., Farnsworth, Aurora, Ill.

1996—Cars (Automatic Air Dump)

Clark Car Co., 1624 Oliver bldg, Pittsburgh, Pa.
Goodwin Car & Mfg. Co., 17 Battery pl, New York
Kilbourne & Jacobs Mfg. Co. ("K. & J."), Columbus, Ohio
Magor Car Corp., 30 Church, New York
Western Wheeled Scraper Co., Farnsworth, Aurora, Ill.

1997— Cars (Ballast)

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Bethlehem Steel Co., Bethlehem, Pa.
Continental Car Co. of America, Louisville, Ky.
Easton Car & Construction Co., 36 Holley, Easton, Pa.
Goodwin Car & Mfg. Co., 17 Battery pl, New York
HYMAN-MICHAELS CO. (Steel Hopper Bottom Ore Cars for Sand, Gravel, Ballast, etc. Rodgers Ballast—Hart Convertible Cars. Steel under frames 50 ton capacity, 41 feet long. You can buy or you can rent them. Write us for prices), 122 S Michigan av, Chicago
See adv index at end of book
Magor Car Corp., 30 Church, New York
Rodger Ballast Car Co. ("Hart" Convertible), Railway Exchange bldg, Chicago, Ill.

1998— Cars (Barney)

Easton Car & Construction Co., 36 Holley, Easton, Pa.

1999— Cars (Billet)

Akron Cultivator Co., Akron, O.
American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Atlas Car & Mfg. Co., Cleveland, O.
See adv index at end of book
Bethlehem Steel Co., Bethlehem, Pa.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.



CARS AND TRUCKS

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SUPPLIED WITH

Chase Flexible Boxings and with Chase Roller or Brass Bearings.

Turntables, Trackage, Switches, Factory and Elevating Trucks.

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THE CHASE FOUNDRY & MFG. CO.

NO. 2700 SOUTH PARSONS AVENUE COLUMBUS, OHIO

Easton Car & Construction Co., 36 Holley, Easton, Pa.
Hunt C. W. Co., West New Brighton, N. Y. *See adv index at end of book*
Magor Car Corp., 30 Church, New York
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
Treadwell M. H. Co. of Illinois, 208 S La Salle, Chicago, Ill.

2000— Cars (Boiler Room)

CHASE FOUNDRY & MFG. CO. THE, 2700 S Parsons av, Columbus, O. *See adv index at end of book*
Easton Car & Construction Co., 36 Holley, Easton, Pa.
HUNT C. W. CO., West New Brighton, N. Y. *See adv index at end of book*
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Littleford Bros., 444 E. Pearl, Cincinnati, O. *See adv index at end of book*
Magor Car Corp., 30 Church, New York

2001— Cars (Bonding)

Electric Railway Improvement Co. (Portable for Rail Bonding), 2070 E. 61st pl, Cleveland, O.

2001a—Cars (Bottom Dump)

See also Cars; also Drop Bottom; also Cars, Dumping
Easton Car & Construction Co., 36 Holley, Easton, Pa.
Koppel Industrial Car & Equipment Co., Dept. H, Koppel, Pa.
Lakewood Engineering Co., Cleveland, O.
Magor Car Corp., 30 Church, New York
Western Wheeled Scraper Co., Farnsworth, Aurora, Ill.

2002— Cars (Brick & Clay)

See also Trucks, Brick
American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
ANCHOR CONCRETE MACHINERY CO. ("Anchor," concrete block cars), 530 Dublin av, Columbus, Ohio *See adv index at end of book*
Anderson W. H. Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Anderson Foundry & Machine Works, Anderson, Ind.
Arnold-Creager Co., New London, O.
Bonnot Co., 722 Mulberry rd, S E, Canton, O.
Chase Foundry & Mfg. Co. The, 2700 S Parsons av, Columbus, O. *See adv index at end of book*
Continental Car Co. of America, Louisville, Ky.
Desmond M. Mfg. Co., Edwardsville, Ill.
Easton Car & Construction Co., 36 Holley, Easton, Pa.
Fairbanks Morse & Co., Sheffield Plant, Three Rivers, Mich.
Freese E. M. & Co., Galion, O.
Fulton Pit Car Co. (Clay), Canal, Fulton, O.
Globe Machinery & Supply Co., Des Moines, Ia.
Hadfield-Penfield Steel Co. (The) (Steel & Wood), Bucyrus, O. *See adv index at end of book*
Helmick Fdry. & Machine Co., Fairmont, W. Va.
Hunt C. W. Co., West New Brighton, N. Y. *See adv index at end of book*
International Clay Machinery Co., Dayton, O.
Jackson & Church Co., Saginaw, Mich.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Koppel Industrial Car & Equipment Co., Dept. H, Koppel, Pa.
Lakewood Engineering Co., Cleveland, O.
Magor Car Corp., 30 Church, New York
PENN FOUNDRY & MFG. CO., Wyomissing, Reading, Pa.
Ralston Steel Car Co., Columbus, O.
Sackett H. B. Screen & Chute Co., 1691 Elston av, Chicago, Ill.
Sanford-Day Iron Works, 612 Dale av, Knoxville, Tenn.
Sharp Mfg. & Supply Co., New Phila., O.
Steele J. C. & Sons, Statesville, N. C.
Stuart Robt. J. & T. H., New Hamburg, N. Y.
Truax Mfg. Co., Denver, Colo.
United Iron Works Co., Inc., Kansas City, Mo.
Wellington Machine Co., Wellington, O.

2002a— Cars (Brick Dryer)

Koppel Industrial Car & Equipment Co., Dept. H, Koppel, Pa.
Lakewood Engineering Co., Cleveland, O

2003— Cars (Bridge & Gang)

Buda Co., Harvey, Ill.
Easton Car & Construction Co., 36 Holley, Easton, Pa.
Fairbanks, Morse & Co. ("Sheffield"), 900 S Wabash av, Chicago, Ill.
Fairbanks Morse & Co., Sheffield Plant, Three Rivers, Mich.

2004—Cars (Cable & Messenger)

Bissell F. Co. ("Security"), Toledo, O.
Easton Car & Construction Co., 36 Holley, Easton, Pa.
Fairmount Electric & Mfg. Co. ("Aero"), 59th & Woodland av, Phila., Pa.

2005— Cars (Caboose)

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Georgia Car & Locomotive Co., Atlanta, Ga.
Magor Car Corp., 30 Church, New York
Merchants Dispatch Transportation Co., Dept. H, E. Rochester, N. Y.
Mount Vernon Car Mfg. Co., Mt. Vernon, Ill.
Pacific Car & Equipment Co., South San Francisco, Cal.
Pacific Car & Foundry Co., Alaska bldg, Seattle, Wash.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Russell Car & Snow Plow Co., Ridgway, Pa.
Western Steel Car & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.

Cars (Cane)

See Cars, Plantation

2006— Cars (Canopy)

Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.
Ramapo Iron Works, Hillburn, N. Y.
Steel Car Co., Euclid, O.

2006a— *Cars (Cement)

Easton Car & Construction Co., 36 Holley, Easton, Pa.
Western Wheeled Scraper Co., Farnsworth, Aurora, Ill.

2007— Cars (Charging)

Akron Cultivator Co., Akron, O.
Atlas Car & Mfg. Co., Cleveland, O. *See adv index at end of book*
Biehl Iron Works, Inc., Reading, Pa.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
CHASE FOUNDRY & MFG. CO. THE, 2700 S Parsons av, Columbus, O. *See adv index at end of book*
Columbiana Boiler Co., Columbiana, O.
Denver Engineering Works Co., Denver, Colo.
Easton Car & Construction Co., 36 Holley, Easton, Pa.
Hunt C. W. Co. (Coal), West New Brighton, N. Y. *See adv index at end of book*
Kilbourne & Jacobs Mfg. Co. (Coal), Columbus, O.
Koppel Industrial Car & Equipment Co., Dept. H, Koppel, Pa.
Lakewood Engineering Co., Cleveland, O.
Lindsay W. W. & Co. (For Steel Plants), Harrison bldg, Phila., Pa.
LINK-BELT COMPANY (Drop Sides), 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Magor Car Corp., 30 Church, New York
Mesta Machine Co. (Charging Box), Box 1124, Pittsburgh, Pa. *See adv index at end of book*
Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.
Pennsylvania Engineering Works (Ingot & Open-Hearth), New Castle, Pa.
Phillips Doup & Co. ("National"), 44th & 1st av, Brooklyn, N. Y.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Stuebner G. L. Iron Works, Queensboro Terminal, Long Island City, N. Y.
Treadwell Engineering Co. (Box), Easton, Pa. *See adv index at end of book*
Turl Iron & Car Co., Inc., The, 50 Broad, New York. Works: Newburgh, N. Y.
United Iron Works Co. Inc., Kansas City, Mo.
Variety Iron & Steel Works Co., Hamilton av & E 40th, Cleveland, O.
Whiting Corp., Dept. H, Harvey, Ill.

2008—*Cars (Charging, Open-Hearth)

Easton Car & Construction Co., 36 Holley, Easton, Pa.

2008a— Cars (Chemical)

Am. La France Fire Engine Co. Inc., Elmira, N. Y.
Easton Car & Construction Co., 36 Holley, Easton, Pa.
Lakewood Engineering Co., Cleveland, O.
Seagrave Co., Columbus, O.

Cars (Cinder)

See Cars, Hot Metal or Slag

Cars (Clay)

See Cars, Brick & Clay

2009— Cars (Coal)

American Car & Foundry Co., Syndicate Trust bldg, St Louis, Mo.
Atlas Car & Mfg. Co., Cleveland, O.
Bartlett A. F. & Co., Saginaw, Mich.
Bergen Point Iron Works, Bayonne, N. J.
Bethlehem Steel Co., Bethlehem, Pa.
Bettendorf Co (Steel), Bettendorf, Ia
Easton Car & Construction Co. (Charging), 36 Holley, Easton, Pa.
Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.
Georgia Car & Locomotive Co., Atlanta, Ga
Hamilton Wm. Sons Car Co., Newark, Ohio
Helmick Fdry. & Machine Co., Fairmont, W. Va
Hunt C. W. Co., West New Brighton, N. Y. *See adv index at end of book*
Kilbourne & Jacobs Mfg. Co. (Steel Side Opening, etc), Columbus, O.
Koppel Industrial Car & Equipment Co., Dept H, Koppel, Pa
Lakewood Engng Co., Cleveland, O.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*

(Continued on following page)

Cars (Coal)—Continued

Littleford Bros. (Elevator), 444 E. Pearl, Cincinnati, O.
See adv index at end of book
Magor Car Corp., 30 Church, New York
Mead-Morrison Mfg. Co., c Prescott & Orleans, East Boston, Mass.
Merchants Dispatch Transportation Co., Dept. H, E. Rochester, N. Y.
Mount Vernon Car Mfg. Co., Mount Vernon, Ill.
National Dump Car Co. (Drop Bottom), 80 E Jackson bl, Chicago, Ill.
Pacific Car & Foundry Co., Alaska bldg, Seattle, Wash.
Phillips Doup & Co. ("National"), 44th & 1st av, Brooklyn, N. Y.
Portland Co., Portland, Me.
Pressed Steel Car Co. (Steel & Composite), 307 5th av, Pittsburgh, Pa.
Ralston Steel Car Co., Columbus, O.
Sanford-Day Iron Works, 612 Dale av, Knoxville, Tenn.
South Side Foundry & Machine Wks., Charleston, W. Va.
Steel Car Co., Euclid, O.
Stuebner L. G. Iron Works, Queensboro Terminal, Long Island City, N. Y.
Truax Mfg. Co., Denver, Col.
Union Iron Works, Hoboken, N. J.
Watt Mining Car Wheel Co., Barnesville, O.
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, O.
Youngstown Steel Car Co. ("Standard"), Niles, Ohio

2010— Cars (Coke)

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Atlas Car & Mfg. Co. (Quenching), Cleveland, O. *See adv index at end of book*
Bethlehem Steel Co., Bethlehem, Pa.
Cement Tile Machinery Co., Waterloo, Ia.
Chrisman Foundry Co., Morgantown, W. Va.
Clark Car Co., 1624 Oliver bldg, Pittsburgh, Pa.
Easton Car & Construction Co. (Quenching), 36 Holley, Easton, Pa.
Georgia Car & Locomotive Co., Atlanta, Ga.
Hunt C. W. Co., West New Brighton, N. Y.
See adv index at end of book
Kilbourne & Jacobs Mfg. Co. (Quenching), Columbus, O.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Magor Car Corp., 30 Church, New York
National Dump Car Co. (Drop Bottom), 80 E Jackson bl, Chicago, Ill.
Phillips Doup & Co. ("National"), 44th & 1st av, Brooklyn, N. Y.
Youngstown Steel Car Co. ("Standard"), Niles, Ohio

2011— Cars (Combination)

Am. La France Fire Engine Co. Inc. (Chemical & Hose, Pumping & Hose & Triple Combination Pumping, Chemical & Hose), Elmira, N. Y.
Bethlehem Shipbuilding Corporation Ltd. (Baggage & Passenger), Bethlehem, Pa.
National Dump Car Co. (Stock, Coke, Coal & Beet with Drop Bottom), 80 E Jackson bl, Chicago, Ill.

2012— Cars (Concrete)

See also Carts, Concrete

Anchor Concrete Machinery Co., (Brick & Block "Anchor"), 530 Dublin av, Columbus, O.
See adv index at end of book
Biehl Iron Works, Inc., Reading, Pa.
Cement Tile Machy. Co. ("Ideal" for Brick & Blocks), Waterloo, Ia.
Chase Foundry & Mfg. Co. The, 2700 S Parsons av, Columbus, O.
See adv index at end of book
Concrete Machinery Co., Dunellen, N. J.
Continental Car Co of America, Louisville, Ky.
Easton Car & Construction Co. (Batch, for Road Work), 36 Holley, Easton, Pa.
Hunt C. W. Co., West New Brighton, N. Y. *See adv index at end of book*
Insley Mfg. Co. (Controllable Side Dump & Bottom Dump) 3500 E. St. Clair, Indianapolis, Ind.
Kilbourne & Jacobs Mfg. Co. (Steel End Dump), Columbus, O.
Magor Car Corp., 30 Church, New York
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Ralston Steel Car Co., Columbus, O.
Ransome Concrete Machinery Co., Dunellen, N. J.
Stuebner G. L. Iron Works, Queensboro Terminal, Long Island City, N. Y.
United Iron Works Co., Inc., Kansas City, Mo.
Western Steel Car & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.
Western Wheeled Scraper Co., Farnsworth, Aurora, Ill.

2012a—*Cars (Construction)

Easton Car & Construction Co., 36 Holley, Easton, Pa.
Magor Car Corp., 30 Church, New York.

2013— Cars (Contractors')

Biehl Iron Works, Inc., Reading, Pa.
Easton Car & Construction Co. (Contractors' Industrial), 36 Holley, Easton, Pa.
Koppel Industrial Car & Equipment Co., Dept. H, Koppel, Pa.
Lakewood Engng Co., Cleveland, Ohio
Magor Car Corp., 30 Church, New York.
Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.
Western Wheeled Scraper Co., Farnsworth, Aurora, Ill.

2014— Cars (Core Oven)

Atlas Car & Mfg. Co., Cleveland, O.
See adv index at end of book
Biehl Iron Wks., Inc., Reading, Pa.
See adv index at end of book
Chase Foundry & Mfg. Co. The, 2700 S Parsons av, Columbus, O.
See adv index at end of book
Easton Car & Construction Co., 36 Holley, Easton, Pa.
Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.
Foundry Equipt. Co., 1833 Columbus rd, Cleveland, O.
Hunt, C. W. Co., West New Brighton, N. Y. *See adv index at end of book*
Koppel Industrial Car & Equipment Co., Dept. H, Koppel, Pa.
Lakewood Engineering Co., Cleveland, O.
Magor Car Corp., 30 Church, New York
Northern Engineering Works, 9 Chene, Detroit, Mich.
Penn Foundry & Mfg. Co., Reading, Pa.
United Iron Works Co., Inc., Kansas City, Mo.
Whiting Corp., Harvey, Ill.

2014a— *Cars (Cradle Dump)

Easton Car & Construction Co., 36 Holley, Easton, Pa.
Western Wheeled Scraper Co., Farnsworth, Aurora, Ill.

2015— Cars (Creosoting)

Easton Car & Construction Co., 36 Holley, Easton, Pa.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Koppel Industrial Car & Equipment Co., Dept. H, Koppel, Pa.
Lakewood Engineering Co., Cleveland, O.
Mt. Vernon Car Mfg. Co., Mt. Vernon, Ill.

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IS A BUYING GUIDE
In preparing copy for your next ad write it as though you were writing a Catalog.

2016— Cars (Derrick)

American Bridge Co., 30 Church, New York
Byers Machine Co. The, 242 Sycamore, Ravenna, O. ***See adv index at end of book***
Clyde Iron Works Sales Co. (Mounted on Cars), Duluth, Minn.
See adv index at end of book
Continental Bridge Co., 460 Monadrock Block, Chicago, Ill.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Easton Car & Construction Co. (Crane), 36 Holley, Easton, Pa.
Hunt C. W. Co., West New Brighton, N. Y.
See adv index at end of book
McMyler-Interstate Co (The) (Crane, etc.). Cleveland, Ohio
See adv index at end of book
Magor Car Corp., 30 Church, New York

2016a—*Cars (Double Deck)

Easton Car & Construction Co., 36 Holley, Easton, Pa.
Magor Car Corp., 30 Church, New York

2016b—*Cars (Double Truck)

Easton Car & Construction Co., 36 Holley, Easton, Pa.

2017— Cars (Drop Bottom)

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Atlas Car & Mfg. Co., Cleveland, O.
See adv index at end of book
Bethlehem Steel Co., Bethlehem, Pa.
Cement Tile Machinery Co., Waterloo, Ia.
Chase Foundry & Mfg. Co. The, 2700 S Parsons av, Columbus, O.
See adv index at end of book
Clark Car Co., 1624 Oliver bldg, Pittsburgh, Pa.
Continental Car Co. of America, Louisville, Ky.
Easton Car & Construction Co., 36 Holley, Easton, Pa.
Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Georgia Car & Locomotive Co., Atlanta, Ga.
Goodwin Car & Mfg. Co., 17 Battery pl, New York
Hamilton Wm. Sons Car Co., Newark, Ohio
Haskell & Barker Car Co., Michigan City, Ind.
Helmick Fdry. & Machine Co., Fairmont, W. Va.
Hunt C. W. Co., West New Brighton, N. Y.
See adv index at end of book
Insley Mfg. Co. (Controllable Concrete), 3500 E St. Clair, Indianapolis, Ind.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Magor Car Corp., 30 Church, New York
Mount Vernon Car Mfg. Co., Mount Vernon, Ill.
National Dump Car Co., 80 E Jackson blvd, Chicago, Ill.
Pacific Car & Equipment Co., South San Francisco, Cal.
Pacific Car & Foundry Co., Alaska bldg, Seattle, Wash.
Ralston Steel Car Co., Columbus, O.
Ramapo Iron Works, Hillburn, N. Y.
Sanford Day Iron Works, 612 Dale av, Knoxville, Tenn.
Steel Car Co., Euclid, O.
Stuebner G. L. Iron Works, Queensboro Terminal, Long Island City, N. Y.
Western Wheeled Scraper Co., Farnsworth, Aurora, Ill.

2018-19— Cars (Dryer)

Atlas Car & Mfg. Co., Cleveland, O.
See adv index at end of book
Bethlehem Shipbuilding Corp. Ltd., Dept. H, Broadhead & Parker av, Bethlehem, Pa.
Bonnot Co., 722 Mulberry rd, S E, Canton, O.
Chase Foundry & Mfg. Co. The, 2700 S Parsons av, Columbus, O.
See adv index at end of book
Curtis-Hosey Dryer Co., Pyle bldg, 23rd & Chestnut, Phila., Pa.
Easton Car & Construction Co., 36 Holley, Easton, Pa.
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Globe Machinery & Supply Co., Des Moines, Ia.
Koppel Industrial Car & Equipment Co., Dept. H, Koppel, Pa.
Lakewood Engineering Co., Cleveland, O.
Magor Car Corp., 30 Church, New York
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Proctor & Schwartz, Inc. (Brick), 7th & Tabor rd, Philadelphia, Pa.
Sharp Mfg. & Supply Co., New Phila., O.
Western Steel Car & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.

2020—*Cars (Dump, Industrial)

Biehl Iron Works, Inc., Reading, Pa.
Easton Car & Construction Co., 36 Holley, Easton, Pa.

2021—*Cars (Dump, Side & Bottom)

Easton Car & Construction Co., 36 Holley, Easton, Pa.
Engineering Products Co., Rialto bldg, San Francisco, Cal.
See adv index at end of book

CARS
Dump, Side and Bottom
COMPLETE INDUSTRIAL AND RAILROAD EQUIPMENT
ENGINEERING PRODUCTS CO.
Rialto Building SAN FRANCISCO

Magor Car Corp., 30 Church, New York

2022— Cars (Dumping)

See also Cars, Mine

Acme Road Machy. Co., Frankfort, N. Y.
Akron Cultivator Co. (Hand Dump), Akron, O.
American Car & Foundry Co. ("Page" Patented), Syndicate Trust bldg, St. Louis, Mo.



This is type "A" Storage Battery Locomotive. Simple rugged economical accessible it embodies numerous distinctive advantages. Used extensively in Industrial plants.

ATLAS
Industrial Haulage Equipment

The numerous practical advantages of Atlas Equipment are the result of a thorough understanding of the requirements to be met and the service to be encountered. Atlas equipment is all that good haulage equipment should be.



This Rocker Side Dump Car is a typical Atlas Car It is ruggedly built thruout has low sides to permit easy loading. Like all Atlas equipment this car is built to stand severe strain

THE ATLAS CAR AND MANUFACTURING COMPANY
ENGINEERS CLEVELAND, OHIO MANUFACTURERS

Atlas Car & Mfg. Co. (Electric Bottom Either Side Rocker Rotary), Cleveland, O. *See adv index at end of book*
Austin Mfg. Co. (Automatic), 400 N. Michigan av, Chicago, Ill.
Bacon & Matheson Forge Co. (Mine & Ore), 17H W Lander, Seattle, Wash.
Biehl Iron Works, Inc., Reading, Pa.
Bonnot Company, Canton, O.
Brill J. G. Co., 62d & Woodland av, Phila., Pa.
Buffalo Pitts Co. (Contractors), 27 Carolina, Buffalo, N. Y.
Cement Tile Machinery Co., Waterloo, Ia.
Chase Foundry & Mfg. Co. The, 2700 S Parsons av, Columbus, O.
See adv index at end of book
Chrisman Foundry Co., Morgantown, W. Va.
Clark Car Co. (Steel Balanced Door), 1624 Oliver bldg, Pittsburgh, Pa.
Continental Car Co. of America, Louisville, Ky.
Denver Engineering Works Co., Denver, Colo.
Differential Car Co., Inc., 32 B'way, New York.
Easton Car & Construction Co., 36 Holley, Easton, Pa.
Exeter Machine Works, Pittston Pa.
Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Goodwin Car & Mfg. Co., ("Goodwin"), 17 Battery pl., New York
Hadfield-Penfield Steel Co. (The) (Steel & Wood), Bucyrus, O.
See adv index at end of book
Haskell & Barker Car Co., Michigan City, Ind.
Heimick Fdry & Machine Co., Fairmont, W. Va.
Hunt C. W. Co., West New Brighton, N. Y. *See adv index at end of book*
HYMAN-MICHAELS CO., 122 S Michigan av, Chicago
See adv index at end of book
Insley Mfg. Co. (Controllable Side & Bottom Concrete), 3500 E. St. Clair, Indianapolis, Ind.
International Clay Machinery Co., Dayton, Ohio.
Inter-State Car Co., Massachusetts & Brightwood avs, Indianapolis, Ind.
Irwin Foundry & Mine Car Co. (Contractors, etc), Irwin, Pa.
Kalamazoo Railway Supply Co. (Contractors'), Kalamazoo, Mich.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Koppel Industrial Car & Equipment Co., Dept. H, Koppel, Pa.
Lake Shore Engine Works (Rotary, etc., All Kinds), Marquette, Mich.
Lakewood Engng. Co. (Steel Body Side, Rocker Dump, Steel Body & Dump, V-Dump & Wood Body End Dump), Cleveland, Ohio
Light Railway Equipment Co., Commercial Trust bldg, Philadelphia, Pa.
LINK-BELT COMPANY (Side & Bottom Dump, etc.), 300 W. Pershing rd, Chicago, Ill. *See adv index at end of book*
Magor Car Corp., 30 Church, New York
Mecklenburg Iron Wks., 510-H W. Trade, Charlotte, N. C.
Meyer Henry H. Co. (Dirs.), 110 S. Howard, Baltimore, Md.
See adv index at end of book
Mount Vernon Car Mfg. Co., Mount Vernon, Ill.
National Dump Car Co. (Gondola, Drop Bottom), 80 E Jackson blvd, Chicago, Ill.
Pacific Car & Foundry Co., Alaska bldg, Seattle, Wash.
Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.
Phillips Doup & Co. ("National"), 44th & 1st av, Brooklyn, N. Y.
Port Huron Engine & Thresher Co. (For Hauling Stone Gravel, etc., for Macadam Roads), Port Huron, Mich.
Portland Co., Portland, Me.
Pressed Steel Car Co., 307 5th av., Pittsburgh, Pa.
Ralston Steel Car Co., Columbus, O.
Ramapo Iron Works, Hilburn, N. Y.
Rodger Balast Car Corp., Railway Exchange bldg, Chicago, Ill.
Russel Wheel & Foundry Co., Chene Bl. RR, Detroit, Mich.
Sanford Day Iron Works, 612 Dale av, Knoxville, Tenn.
Stedman's Foundry & Machine Works (For Fertilizer Works), Aurora, Ind.
Stephens-Adamson Mfg. Co. ("S.-A."), Aurora, Ill.
Stuebner G. L. Iron Works, Queensboro Terminal, Long Island City, N. Y.
Treadwell M. H. Co., 140 Cedar, New York
Truax Mfg. Co. (Jno. T. Plummer, Prop.), (Steel), Denver, Colo.
Union Iron Works (Steel), Hoboken, N. J.
United Iron Works Co., Inc., Kansas City, Mo.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Western Wheeled Scraper Co., Aurora, Ill.
William A. Box Iron Works Co., Denver, Colo

2023—Cars (Dumping, Railroad)

Bethlehem Steel Co., Bethlehem, Pa.
Clark Car Co., 1624 Oliver bldg, Pittsburgh, Pa.
Goodwin Car & Mfg. Co., 17 Battery pl, New York
Magor Car Corp., 30 Church, New York
Western Wheeled Scraper Co. (Farnsworth, Aurora, Ill.

2023a— *Cars (Electric)

ATLAS CAR & MFG. CO., Cleveland, O.
See adv index at end of book
Easton Car & Construction Co., 36 Holley, Easton, Pa.

2024-5—Cars (Electric Conveying)

Easton Car & Construction Co., 198 Fulton, New York *See adv index at end of book*
Hunt C. W. Co., West New Brighton, N. Y.
See adv index at end of book

Cars (Fibre)

See Trucks, Mill

2026— Cars (Flat)

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Atlas Car & Mfg. Co., Cleveland, O.
See adv index at end of book
Bethlehem Steel Co., Bethlehem, Pa.
Bettendorf Co. (All Steel), Bettendorf, Ia.
Easton Car & Construction Co., 36 Holley, Easton, Pa.
Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.
Georgia Car & Locomotive Co., Dept. H, Atlanta, Ga.
Hamilton Wm. Sons Car Co., Newark, Ohio
Haskell & Barker Car Co., Michigan City, Ind.
Hunt C. W. Co., West New Brighton, N. Y. *See adv index at end of book*
Insley Mfg. Co. (Skeleton Steel Frame Industrial), 3500 E St. Clair, Indianapolis, Ind.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Magor Car Corp., 30 Church, New York
Mount Vernon Car Mfg. Co., Mount Vernon, Ill.
Pacific Car & Equipment Co., South San Francisco, Cal.
Pacific Car & Foundry Co., Alaska bldg, Seattle, Wash.
Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.
Portland Co. (Narrow Gauge), Portland, Me.
Ralston Steel Car Co., Columbus, O.
Ramapo Iron Works, Hilburn, N. Y.
Russel Wheel & Foundry Co., Chene Bl. RR, Detroit, Mich.
Stuebner G. L. Iron Works, Queensboro Terminal, Long Island City, N. Y.
Western Steel Car & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.
Western Wheeled Scraper Co., Aurora, Ill.
Youngstown Steel Car Co., Niles, O.

2027— Cars (Foundry)

Akron Cultivator Co., Akron, O.
Anderson W. H. Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Atlas Car & Mfg. Co. (Ladle, Foundry, etc), Cleveland, O.
See adv index at end of book
CHASE FOUNDRY & MFG. CO. THE, 2700 S Parsons av, Columbus, O.
See adv index at end of book
Easton Car & Construction Co., 36 Holley, Easton, Pa.
Fairbanks Morse & Co., Sheffield Plant, Three Rivers, Mich.
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Hunt C. W. Co., West New Brighton, N. Y.
See adv index at end of book
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Magor Car Corp., 30 Church, New York
Penn Foundry & Mfg. Co., Reading, Pa.
Phillips Doup & Co. ("National"), 44th & 1st av, Brooklyn, N. Y.
Stuebner G. L. Iron Works, Queensboro Terminal, Long Island City, N. Y.
Variety Iron & Steel Works Co., Hamilton av & E. 40th (For Steel Works, etc.), Cleveland, O.
Whiting Corp., Dept. H, Harvey, Ill.
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.

2028— Cars (Freight)

American Car & Foundry Co. (Wooden & Steel), Syndicate Trust bldg, St. Louis, Mo.
Atlas Car & Mfg. Co., Cleveland, O.
See adv index at end of book
Bethlehem Steel Co., Bethlehem, Pa.
Brill J. G. Co., 62nd & Woodland av, Phila., Pa.
Buffalo Steel Car Co. Inc., Walden av, Buffalo, N. Y.
Georgia Car & Locomotive Co., Atlanta, Ga.
Gregg Co., Ltd., Hackensack, N. J.
Hamilton Wm. Sons Car Co., Newark, Ohio
Haskell & Barker Car Co., Michigan City, Ind.
Hunt C. W. Co. (Narrow Guage Only), West New Brighton, N. Y.
See adv index at end of book
HYMAN-MICHAELS CO (Freight Cars of all kinds. All in I. C. C., M. C. B. condition), 122 S Michigan av, Chicago
See adv index at end of book
Inter-State Car Co., Massachusetts & Brightwood aves, Indianapolis, Ind.
International Car Co., 38 S. Dearborn, Chicago, Ill.
Keith Car & Mfg. Co., Sagamore, Mass.
Laconia Car Co., 60 Congress, Boston, Mass.
Levis Henry & Co., 303 Commercial Trust bldg, Phila., Pa.
Luther Frederick P. Co., 14 E Jackson blvd, Chicago, Ill.
McGuire-Cummings Mfg. Co., Harris Trust & Savings bldg, Chicago, Ill.
Magor Car Corp., 30 Church, New York
Merchants Dispatch Transportation Co., Dept. H, E. Rochester, N. Y.
Middletown Car Co., Middletown, Pa.
Motley James M. (Exporter), 43 Cedar, New York
Mount Vernon Car Mfg. Co., Mount Vernon, Ill.
Pacific Car & Equipment Co., South San Francisco, Cal.
Pacific Car & Foundry Co., Alaska bldg, Seattle, Wash.
Portland Co. (Narrow Gauge), Portland, Me.

(Continued on following page)

Cars (Freight)—Continued

Pressed Steel Car Co. (Steel & Composite), 307 5th av, Pittsburgh, Pa.
Pullman Co., Pullman bldg, Chicago, Ill.
Ralston Steel Car Co. (Steel & Wooden), Columbus, O.
Ramapo Iron Works, Hillburn, N. Y.
Rodger Ballast Car Co. ("Hart," Convertible), Railway Ex bldg, Chicago, Ill.
St. Louis Car Co., 8000 N Broadway, St. Louis, Mo.
Sheffield Car & Equipment Co., Sheffield, Mo.
Standard Steel Car Co. (All Steel & Composite Steel & Wood), A. V. R. R., Pittsburgh, Pa.
Steel Car Co., Euclid, O
United Commercial Co., 234 Steuart, San Francisco, Cal.
Western Steel Car & Foundry Co. (Wood & Steel), Farmers Bank bldg, Pittsburgh, Pa.
Youngstown Steel Car Co. (Standard), Niles, O.

2029— Cars (Gable Bottom)

Easton Car & Construction Co., 36 Holley, Easton, Pa.
Hunt C. W. Co., West New Brighton, N. Y.
See adv index at end of book
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Koppel Industrial Car & Equipment Co., Dept. H, Koppel, Pa.
Youngstown Steel Car Co., Niles, O.

2030-1— Cars (Gas Coke)

Akron Cultivator Co., Akron, O.
Easton Car & Construction Co., 36 Holley, Easton, Pa.
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Hunt C. W. Co., West New Brighton, N. Y.
See adv index at end of book
Magor Car Corp., 30 Church, New York
Ralston Steel Car Co., Columbus, O.
Ramapo Iron Works, Hillburn, N. Y.

2032— Cars (Gondola)

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Bethlehem Steel Co., Bethlehem, Pa.
Bettendorf Co., Bettendorf, Ia.
Continental Car Co. of America, Louisville, Ky.
Gregg Co. Ltd., Hackensack, N. J.
Hamilton Wm. Sons Car Co., Newark, Ohio
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Koppel Industrial Car & Equipment Co., Dept. H, Koppel, Pa.
Magor Car Corp. (Steel), 30 Church, New York
Marsh Refrigerator Service Co., Pt. Washington rd, Milwaukee, Wis.
Merchants Despatch Transportation Co., East Rochester, N. Y.
National Dump Car Co. (Dumping Drop Bottom), 30 E Jackson blvd, Chicago, Ill.
Pacific Car & Foundry Co., Alaska bldg, Seattle, Wash.
Ralston Steel Car Co. (Self-Cleaning Drop Bottom), Columbus, O.
Rodger Ballast Car Co. ("Hart" Convertible), Railway Exch bldg, Chicago, Ill.
Standard Steel Car Co., A. V. R. R., Pittsburgh, Pa.
Steel Car Co., Euclid, O.
Youngstown Steel Car Co. ("Standard"), Niles, Ohio

2033— Cars (Gravity Dump)

Goodwin Car & Mfg. Co., 17 Battery pl, New York.
Koppel Industrial Car & Equipment Co., Dept. H, Koppel, Pa.
Magor Car Corp., 30 Church, New York

2033a—Cars (Hand, Velocipede, Motor)

FAIRBANKS, MORSE & CO., 900 S. Wabash av, Chicago
See adv index at end of book

2034— Cars (Hand & Push)

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Atlas Car & Mfg. Co., Cleveland, O.
See adv index at end of book
Buda Co., Harvey, Ill.
Chase Foundry & Mfg. Co. The, 2700 S Parsons av, Columbus, O.
See adv index at end of book
Continental Car Co. of America, Louisville, Ky.
Easton Car & Construction Co. (Also Hand Dump), 36 Holley, Easton, Pa.
Exeter Machine Works, Pittston, Pa.
Fairbanks, Morse & Co. ("Sheffield"), 900 S Wabash av, Chicago, Ill.
Fairbanks Morse & Co., Sheffield Plant, Three Rivers, Mich.
Fox Bros. & Co., 126 Lafayette, New York.
Glover Machine Works, Marietta, Ga.
Hunt C. W. Co. (Also Hand Dump), West New Brighton, N. Y.
See adv index at end of book
Kalamazoo Railway Supply Co. (Section), Kalamazoo, Mich.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Lansing Co., Lansing, Mich.
Magor Car Corp., 30 Church, New York
Mudge & Co., Railway Exchange bldg, Chicago, Ill.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Ramapo Iron Works, Hillburn, N. Y.
Standard Scale & Supply Co., 1631 Liberty av, Pittsburgh, Pa.
Stuebner G. L. Iron Works, Queensboro Terminal, Long Island City, N. Y.
Western Steel Car & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.
Wilson & Carmona ("Scout Runner' Hand), Winona, Minn.

2035— Cars (Hopper)

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Bethlehem Steel Co., Bethlehem, Pa.
Clark Car Co., 1624 Oliver bldg, Pittsburgh, Pa.
Continental Car Co. of America, Louisville, Ky.
Easton Car & Construction Co. (Bottom), 36 Holley, Easton, Pa.
Hunt C. W. Co., West New Brighton, N. Y. *See adv index at end of book*
Kilbourne & Jacobs Mfg. Co. (Hopper Bottom), Columbus, O.
Lakewood Engineering Co., Cleveland, O.
Magor Car Corp., 30 Church, New York
Ralston Steel Car Co., Columbus, O.
United Iron Works Co., Inc., Kansas City, Mo.
Western Steel Car & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.
Youngstown Steel Car Co. ("Standard"), Niles, Ohio

2036—Cars (Hot Metal or Slag)

Allis-Chalmers Mfg. Co. (Slag), Milwaukee, Wis. *See adv index at end of book*
American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Atlas Car & Mfg. Co., Cleveland, O.
See adv index at end of book
Connelly D., Boiler Co., Ivanhoe rd & N. Y. & St. L. R. R., Cleveland, O.
Denver Engineering Works Co. (Slag Only), Denver, Col.
Easton Car & Construction Co., 36 Holley, Easton, Pa.
Fairbanks Morse & Co., Sheffield Plant, Three Rivers, Mich.
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Goodwin Car & Mfg. Co. (Slag), 17 Battery pl, New York.
Hartman Co. (Dump Cinder), 1231 N Front, Philadelphia, Pa.
Hunt C. W. Co. (Cinder), West New Brighton, N. Y.
See adv index at end of book
Magor Car Co., 30 Church, New York
Penna. Engineering Works, New Castle, Pa.
Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.
Pollock Wm. B. Co. ("P. T. Berg," for Cinder & Hot Metal), Youngstown, O.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Ramapo Iron Works, Hillburn, N. Y.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Treadwell M. H. Co., 140 Cedar, New York
Treadwell M. H. Co. of Illinois, 208 S La Salle, Chicago, Ill.
Union Iron Works Co., 20th & Michigan, San Francisco, Cal.
United Iron Works Co., Inc., Kansas City, Mo.
Weimer Machine Works Co. (Any Capacity & Style), Lebanon, Pa.
Western Steel Car & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.
William A. Box Iron Works Co. (Slag), 3309 Blake, Denver, Colo.

2037— Cars (Industrial)

See also Railways, Industrial & Portable
Akron Cultivator Co., Akron, O.
American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Anderson W. H. Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Archer Iron Works, 2436 34th pl, Chicago, Ill.
ATLAS CAR & MFG. CO. (Narrow Gauge Railway), Cleveland, O.
See adv index at end of book
Baker Iron Wks., 912 No. B'way, Los Angeles, Cal.
Box Wm. A. Iron Work, 3309 Blake, Denver, Colo.
Biehl Iron Works, Inc., Reading, Pa.
Chase Foundry & Mfg. Co. The, 2700 S Parsons av, Columbus, O.
See adv index at end of book
Chrisman Foundry Co., Morgantown, W. Va.
Clark Car Co., 1624 Oliver bldg, Pittsburgh, Pa.
Continental Car Co. of America, Louisville, Ky.
Easton Car & Construction Co., 36 Holley, Easton, Pa.
Engineering Products Co., Rialto bldg, San Francisco, Cal.
See adv index at end of book
Exeter Machine Works, Pittston, Pa.
Fairmont Railway Motors, Inc., Fairmont, Minn.
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Globe Machinery & Supply Co. (Cement), Des Moines, Ia.
Goodwin Car & Mfg. Co., 17 Battery pl, New York
Hall Scott Motor Car Co. Inc., 818 Crocker bldg, San Francisco, Cal.
Harriman Foundry & Machine Works, Harriman, Tenn.
Hendy, Joshua Iron Works, 75 Fremont, San Francisco, Cal.
Hofius Steel & Equipment Co., L. C. Smith bldg, Seattle, Wash.
HUNT C. W. CO., West New Brighton, N. Y. *See adv index at end of book*
Insley Mfg. Co. (Skeleton Steel Frame Flat), E St. Clair & Olney, Indianapolis, Ind.
Kilbourne & Jacobs Mfg. Co. (Rocker, Dump & Quarry), Columbus, Ohio
Koppel Industrial Car & Equipment Co. ("Koppel"), Dept. H, Koppel, Pa.
Lakewood Engineering Co., Cleveland, O.
Lancaster Iron Works ("Lancaster"), 500-H Prince, Lancaster, Pa.
Littleford Bros., 444 E. Pearl, Cincinnati, O. *See adv index at end of book*
Llewellyn Iron Wks., 1100 Main, Los Angeles, Cal.
Magor Car Corp., 30 Church, New York
Mead-Morrison Mfg. Co., Cor Prescott & Orleans, East Boston, Mass.
Pacific Car & Equipment Co., South San Francisco, Cal.
PENN FOUNDRY & MFG. CO., Wyomissing, Reading, Pa.
Penn Tank Car Co., 503 Market, Sharon, Pa., and San Francisco, Cal.
Plains Iron Works Co., 8th & Larimer, Denver, Colo.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Ralston Steel Car Co., Columbus, O.
Ramapo Iron Works, Hillburn, N. Y.
Sanford-Day Iron Works, 612 Dale av, Knoxville, Tenn.
Stuebner G. L. Iron Works, Queensboro Terminal, Long Island City, N. Y.
Truax Mfg. Co., Denver, Col.
Treadwell M. H. Co. 140 Cedar, New York
Treadwell M. H. Co., of Illinois, 208 S. La-Salle, Chicago, Ill.
Union Iron Works, Hoboken, N. J.
United Iron Works Co. Inc., Kansas City, Mo.
Western Steel Car & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.
Western Wheeled Scraper Co., Farnsworth, Aurora, Ill.

2038— Cars (Ingot)

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Atlas Car & Mfg. Co. (Steel), Cleveland, Ohio. *See adv index at end of book*
Bethlehem Steel Co., Bethlehem, Pa.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Easton Car & Construction Co. (Ingot Mold), 36 Holley, Easton, Pa.
Fairbanks Morse & Co., Sheffield Plant, Three Rivers, Mich.
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Hunt C. W. Co., West New Brighton, N. Y.
See adv index at end of book
Koppel Industrial Car & Equipment Co., Dept. H, Koppel, Pa.
Magor Car Corp., 30 Church, New York
Marshall Foundry Co., 28th & R. R., Pittsburgh, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
Pennsylvanita Engng. Works, New Castle, Pa.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
Treadwell M. H. Co., 140 Cedar, New York
Treadwell M. H. Co. of Illinois, 208 S. La Salle, Chicago, Ill.
TREADWELL ENGINEERING CO., Easton, Pa. *See adv index at end of book*
United Engineering & Foundry Co., Keenan bldg, Pittsburgh, Pa.
Western Steel Car & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.
Youngstown Foundry & Machine Co., Niles, O.

2039-40— Cars (Inspection)

See also Cars, Motor, Inspection
American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Buda Co., Harvey, Ill.
Easton Car & Construction Co., 36 Holley, Easton, Pa.
Fairbanks, Morse & Co. ("Sheffield"), 900 S Wabash av, Chicago, Ill.
Fairbanks Morse & Co., Sheffield Plant, Three Rivers, Mich.
Hotchkiss, Blue & Co., 30 E Jackson bl, Chicago, Ill.
Kalamazoo Ry. Supply Co., Kalamazoo, Mich.
Mudge & Co. (Also Section Gasoline Motor), Railway Exchange bldg, Chicago, Ill.
Northwestern Steel & Iron Works, Eau Claire, Wis.
St. Louis Car Co., 8000 N. B'way, St. Louis, Mo.
Wood John Iron Works, 461 E Alder, Portland, Ore.
Woolery Machine Co. (Also Section Gasoline Motor), 2929 Como av, S E, Minneapolis, Minn.

Cars (Interurban)

See Cars, Street & Electric

2041—Cars (Interurban Gasoline)

Engineering Products Co., Rialto bldg, San Francisco, Cal.
See adv index at end of book

Cars (Ladle)

See Cars, Foundry

2042— Cars (Liquid Cinder)

See also Cars, Hot Metal & Slag

Hartman Co. (End & Side Dump), 1231 N Front, Phila., Pa.
HUNT C. W. CO., West New Brighton, N. Y. *See adv index at end of book*
Weimer Machine Works Co. (Hand or Power Dump, Air, Electric & Steam Power), Lebanon, Pa.

2043— Cars (Logging)

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Anniston Electric Steel Corp., Anniston, Ala.
Atlas Car & Mfg. Co., Cleveland, O.
See adv index at end of book
Bethlehem Steel Co., Bethlehem, Pa.
Bettendorf Co., Bettendorf, Ia.
Butterworth & Lowe, Grand Rapids, Mich.
Continental Car Co. of America, Louisville Ky.
Dilley Geo. E. & Son, Palestine, Tex.
Easton Car & Construction Co., 36 Holley, Easton, Pa.
Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.
Georgia Car & Locomotive Co., Atlanta, Ga.
Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.
Helmick Fdry & Machine Co., Fairmont, W. Va.
Holt Mfg. Co., Stockton, Cal.
Kilby Car & Foundry Co., Anniston, Ala.
Luther Frederick P., 14 E. Jackson blvd., Chicago, Ill.
Magor Car Corp., 30 Church, New York
Marshall Car Wheel & Fdry Co., Marshall Tex.
Moffitt Iron Works Co., Sanford, N. C.
Mount Vernon Car Mfg. Co., Mount Vernon, Ill.
Pacific Car & Equipment Co., South San Francisco, Cal.
Pacific Car & Foundry Co., Alaska bldg, Seattle, Wash.
Portland Co. (Log Bunks), Portland, Me.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Raleigh Iron Works Co., Raleigh, N. C.
Ralston Steel Car Co., Columbus, O.
Ramapo Iron Works, Hillburn, N. Y.
Russel Wheel & Foundry Co., Chene Bl. R. R., Detroit, Mich.
Sanford-Day Iron Works, 612 Dale av, Knoxville, Tenn.
Stolz Jos & Son Inc (Mine), Commerce av & W. 170th, New York
Tredegar Co., ft. of 5th, Richmond, Va.
Union Iron Works Co., Selma, Ala.
Western Steel Car & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.

2044— Cars (Matte Tapping)

Pacific Foundry Co. ("Kilker's Patent), 18th & Harrison, San Francisco, Cal.

2045— Cars (Mine & Ore)

Allis-Chalmers Mfg. Co. (Electric), Milwaukee, Wis.
See adv index at end of book
American Bridge Co., 30 Church, New York
American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Anniston Electric Steel Corp., Anniston, Ala.
Atlas Car & Mfg. Co., Cleveland, O.
See adv index at end of book
Bacon & Matheson Forge Co. (Three-Way Dump), 17H W Lander, Seattle, Wash.
Bethlehem Shipbuilding Corp., Ltd., 20th & Michigan, San Francisco, Cal.
Bethlehem Steel Co., Bethlehem, Pa.
Brill J. G. Co., 62nd & Woodland av, Phila., Pa.
Cherry Tree Machine Co., Cherry Tree, Pa.
Chrisman Foundry Co., Morgantown, W. Va.
Clark Car Co. (Steel Dumping), 1624 Oliver bldg., Pittsburgh, Pa.
Connellsville Machine & Car Supply Co., Connellsville, Pa.
Continental Car Co. of America, Louisville, Ky.
Denver Engineering Works Co., Denver, Colo.
Dillon Box Iron Works Co., Denver, Col.
Duncan Foundry & Machine Works, Alton, Ill.
Eagle Iron Works (Coal Ouly), Des Moines, Ia.
Eagle Iron Works (Mine), Terre Haute, Ind.
Easton Car & Construction Co. (Coal, etc.), 36 Holley, Easton, Pa.
Egyptian Iron Works, Murphysboro, Ill.
Ellison Wm. & Sons Mfg. Co., St. Louis, Mo.
Engineering Works, Van Buren, Ark.
Exeter Machine Works, Pittston, Pa.
Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.
Fairmont Mining Machinery Co., Fairmont, W. Va.
Fisher Mine Equipment Co., W. Newton, Pa.
Fleming J. R. & Son Co., Scranton, Pa.
Frank M. K., H. Frick bldg, Pittsburgh, Pa.
Fulton Pit Car Co., Canal Fulton, O.
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Galena Iron Works Corp. (Steel & Wood), Galena, Ill.
Garrity Ralph E. Co., 607H Wabash bldg, Pittsburgh, Pa.
General Machinery Co., S 13 Post, Spokane, Wash.
Goodwin Car & Mfg. Co., 17 Battery pl, New York
Great Western Mfg. Co., Leavenworth, Kan.
Gustafson Mfg. Co., 211 W 26th, Chattanooga, Tenn.
Harman & Hassert, Bloomsburg, Pa.
Harriman Fdy. & Mch. Wks. (Mine Only), Harriman, Tenn.
Hassell Iron Works Co., Colorado Springs, Col.
Helmick Foundry & Machine Co., Fairmont, W. Va.
Hempfield Foundry, Greensburg, Pa.
Hendrick Mfg. Co. (Steel), Carbondale, Pa.
Hendrie & Bolthoff Mfg. & Supply Co., Denver, Colo.
Hendy J. Iron Works, 75 Fremont, San Francisco, Cal.
Herzler & Henninger Machine Works (Coal Mine), Belleville, Ill.
Hockensmith Wheel & Mine Car Co. (Wood, Steel or Combination), Penns Station, Pa.
Interstate Bridge Forge & Mfg. Co., 721 Broad, Newark, N. J.
Irwin Foundry & Mine Car Co., Irwin, Pa.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Kanawha Mfg. Co., Charleston, W. Va.
Kilbourne & Jacobs Mfg. Co. (Pressed Steel, Side & Rotary Dump, Hopper, etc), Columbus, O.
Koppel Industrial Car & Equipment Co., Dept H, Koppel, Pa.
Ladel Mfg. Co., New Phila., O.
Lake Shore Engine Works (Of All Kinds), Marquette, Mich.
Lakewood Engng. Co., Cleveland, Ohio
Lansing Co. (Steel, etc), Lansing, Mich.
Lincoln Steel & Forge Co. (Mine Only), 5701 Natural Bridge av, St. Louis, Mo.
Littleford Bros., 444 E. Pearl, Cincinnati, O.
See adv index at end of book
Lorain Steel Co., Johnstown, Pa.
McFarlane Mfg. Co., Denver, Colo.
Magor Car Corp., 30 Church, New York
Mount Carmel Iron Works, Mt. Carmel, Pa.
Mount Vernon Car Mfg. Co., Mt. Vernon, Ill.
Ottumwa Box Car Loader Co., Ottumwa, Ia.
Ottumwa Iron Works, Ottumwa, Ia.
PENN FOUNDRY & MFG. CO., Wyomissing, Reading, Pa.
Pennsylvania Engineering Works, New Castle, Pa.
Phillips Doup & Co. ("National"), 44th & 1st av, Brooklyn, N. Y.
Phillips Mine & Mill Supply Co. (Steel & Wood), 2227 Jane, Pittsburgh, Pa.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Punxsutawney Foundry & Machine Co., Punxsutawney, Pa.
Railway & Mine Supply Co. (Ramscomine), McCormick bldg, Chicago, Ill.
Ralston Steel Car Co., Columbus, O.
Ramapo Iron Works, Hillburn, N. Y.
Republic Structural Iron Wks. Co., 1350 E 53rd, Cleveland, O.
Rome Machine & Fdry. Co., Rome, Ga.
Sanford-Day Iron Works, 612 Dale av, Knoxville, Tenn.
Salt Lake Iron & Steel Co., Salt Lake City, Utah
South Side Fdry. & Mach. Wks., Charleston, W. Va.
Star Mfg. Cfo., New Lexington, O.
Stine S. B., Osceola Mills, Pa.
Suppes Forge & Foundry Co., Johnstown, Pa.
Traylor Engng. & Mfg. Co., Allentown, Pa.
Truax Mfg. Co., Denver, Colo.
Turl Iron & Car Co., Inc., The, 50 Broad, New York. Works: Newburgh, N. Y.
Union Iron Works, Spokane, Wash.
United Iron Works Co. Inc., Kansas City, Mo.
Watt Mining Car Wheel Co. (Steel, etc), Barnesville, O.
Western Steel Car & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.
William A. Box Iron Works Co., 3309 Blake, Denver, Colo.

2046— Cars (Mold Drying)

CHASE FOUNDRY & MFG. CO. THE, 2700 S Parsons av, Columbus, O.
See adv index at end of book
Easton Car & Construction Co., 36 Holley, Easton, Pa.
Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.
United Iron Works Co. Inc., Kansas City, Mo.

2047—Cars (Motor, Inspection)

See also Cars, Inspection: also Cars, Velocipede

Buda Co., Harvey, Ill.
Fairbanks, Morse & Co. ("Sheffield" Gasoline & Kerosene), 900 S Wabash av, Chicago, Ill.
Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.
Fairmont Railway Motors, Inc., Fairmont, Minn.
Fox Bros. & Co., 126 Lafayette, New York
Kalamazoo Ry Supply Co., Kalamazoo, Mich.
Mudge & Co. (Gasoline), 80 E Jackson blvd, Chicago, Ill.
Nichols, Geo. P. & Bro., 2139 Fulton, Chicago, Ill.
Northwestern Steel & Iron Works, Eau Claire, Wis.
Woolery Machine Co. (Gasoline), 2929 Como av, S E, Minneapolis, Minn.

2047a—*Cars (Narrow Gauge)

Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*

2048— Cars (Passenger)

See also Cars, Street & Electric

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Bethlehem Shipbuilding Corporation Ltd. (Railway), Bethlehem, Pa.
Bradley Osgood Car Co., West Boylston, Worcester, Mass.
Brill J. G. Co., 62d & Woodland av, Philadelphia, Pa.
Georgia Car & Locomotive Co., Dept. H, Atlanta, Ga.
Hall-Scott Motor Car Co. ("Hall-Scott"), Crocker bldg, San Francisco, Cal.
Hamilton Wm. Sons Car Co. ("Jewett"), Newark, Ohio
Hotchkiss, Blue & Co., 80 E Jackson blvd, Chicago, Ill.
McGuire-Cummings Mfg. Co., Harris Trust & Savings bldg, Chicago, Ill.
Meister A. & Sons Co., Woodland, Cal.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Pullman Co., Pullman bldg, Chicago, Ill.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Standard Steel Car Co. (All Steel & Composite Steel & Wood), A. V. R. R., Pittsburgh, Pa.

2048a— Cars (Pig Iron)

Atlas Car & Mfg. Co., Cleveland, O.
See adv index at end of book
Biehl Iron Works, Inc., Reading, Pa.
CHASE FOUNDRY & MFG. CO THE, 2700 S Parsons av, Columbus, O.
See adv index at end of book
Easton Car & Construction Co., 36 Holley, Easton, Pa.

2049— Cars (Pit)

Easton Car & Construction Co., 36 Holley, Easton, Pa.
Helmick Fdry & Machine Co., Fairmount, W. Va.
Marshall Foundry Co. (Soaking Pit), 28th & R. R., Pittsburgh, Pa.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Sanford-Day Iron Works, 612 Dale av, Knoxville, Tenn.
Stine S. B., Osceola Mills, Pa.
United Iron Works Co. Inc. (Coal), Kansas City, Mo.
Western Steel Car & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.

2050— Cars (Plantation)

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Atlas Car & Mfg. Co., Cleveland, O.
See adv index at end of book
Brill J. G. Co., 62d & Woodland av, Philadelphia, Pa.
Buckeye Products Co., Inc. ("Buckeye"), 915-917 W 5th, Cincinnati, O.
See adv index at end of book
Buda Co., Harvey, Ill.
Chase Foundry & Mfg. Co. The, 2700 S Parsons av, Columbus, O.
See adv index at end of book
Continental Car Co. of America, Louisville, Ky.
Easton Car & Coustruction Co., 36 Holley, Easton, Pa.
Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Hunt C. W. Co., West New Brighton, N. Y.
See adv index at end of book
Kalamazoo Railway Supply Co. (Cane), Kalamazoo, Mich.
Kilbourne & Jacobs Mfg. Co. (Steel Standard & Shovel Nose, etc), Columbus. O.
Kilby Car & Foundry Co. (Cane), Anniston, Ala.
Koppel Industrial Car & Equipment Co., Dept. H, Koppel, Pa.
Link-Belt Company, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Magor Car Corp., 30 Church, New York
MOTLEY JAMES M. (Exporter), 43 Cedar, New York.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Ramapo Iron Works, Hillburn, N. Y.
Turl Iron & Car Co., Inc., The, 50 Broad, New York. Works, Newburgh, N. Y.
Western Steel Car & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.

2051—Cars (Plate & Sheet Mill)

Atlas Car & Mfg. Co. (Steel), Cleveland, O. *See adv index at end of book*
Easton Car & Construction Co., 36 Holley, Easton, Pa.
Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.
Koppel Industrial Car & Equipment Co., Dept. H, Koppel, Pa.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Weimer Machine Works Co., Lebanon, Pa.
Western Steel Car & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.

2051a— Cars (Platform)

Easton Car & Construction Co., 36 Holley, Easton, Pa.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Koppel Industrial Car & Equipment Co., Dept. H, Koppel, Pa.
Lakewood Engineering Co., Cleveland, O.
Magor Car Corp., 30 Church, New York

2052— Cars (Pole Road)

Atlas Car & Mfg. Co., Cleveland, O. *See adv index at end of book*
Butterworth & Lowe, Grand Rapids, Mich
Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*
Sanford-Day Iron Works, 612 Dale av, Knoxville, Tenn.

2052a— *Cars (Quarry)

See also Cars, Industrial

Bethlehem Steel Co., Bethlehem, Pa.
Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*
Lakewood Engineering Co., Cleveland, O.

2052b—*Cars (Radial Gate Hopper)

Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*

2053—Cars (Railroad, Repaired or Rebuilt)

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Bethlehem Steel Co., Bethlehem, Pa.
Georgia Car & Locomotive Co., Dept. H, Atlanta, Ga.
Grant Locomotive & Car Works, Houston, Tex.
Hamilton Wm. Sons Car Co., Newark, Ohio
Inter-State Car Co., Massachusetts & Brightwood aves, Indianapolis, Ind.
Koppel Car Repair Co., Dept. H, Koppel, Pa.
Magor Car Corp., 30 Church, New York
Marsh Refrigerator Service Co., Port Washington rd, Milwaukee, Wis.
Pacific Car & Equipment Co., South San Francisco, Cal.
Pacific Car & Foundry Co., Alaska bldg, Seattle, Wash.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Steel Car Co., Euclid, O.
Railway & Power Equipment Co., 233 B'way, New York
United Commercial Co., 234 Steuart, San Francisco, Cal.
Western Steel Car & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.

2054— Cars (Refrigerator)

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Hamilton Wm. Sons Car Co., Newark, Ohio
Haskell & Barker Car Co., Michigan City, Ind.
Magor Car Corp., 30 Church, New York
Marsh Refrigerator Service Co., Port Washington rd, Milwaukee, Wis.
Merchants Despatch Transportation Co., East Rochester, N. Y.
Middletown Car Co., Middletown, Pa.
Mount Vernon Car Mfg. Co., Mount Vernon, Ill.
Pacific Car & Foundry Co., Alaska bldg, Seattle, Wash.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Western Steel Car & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.

2054a—Cars (Road Contracting)

Easton Car & Construction Co., 36 Holley, Easton, Pa.
Gruendler Patent Crusher & Pulverizer Co., 982 N Main, St. Louis, Mo. *See adv index at end of book*
Magor Car Corp., 30 Church, New York
Western Wheeled Scraper Co., Farnsworth, Aurora, Ill.

Cars (Rock)

See Cars, Industrial

2054b—Cars (Rocker Dump)

Easton Car & Construction Co., 36 Holley, Easton, Pa.
Insley Mfg. Co. (Quarry), E St. Clair & Olney, Indianapolis, Ind.
Magor Car Corp., 30 Church, New York
Western Wheeled Scraper Co., Farnsworth, Aurora, Ill.

2054c— Cars (Rolling Mill)

ATLAS CAR & MFG. CO., Cleveland, O. *See adv index at end of book*

2055— Cars (Rotary Tunnel)

See also Cars, Tunnel

Easton Car & Construction Co., 36 Holley, Easton, Pa.
Western Wheeled Scraper Co., Aurora, Ill.

2055a— Cars (Scale)

ATLAS CAR & MFG. CO., Cleveland, O. *See adv index at end of book*
Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*

2056— Cars (Scale Test)

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.,
Atlas Car & Mfg. Co., Cleveland, O. *See adv index at end of book*

2056a— *Cars (Scoop)

Easton Car & Construction Co., 36 Holley, Easton, Pa.

2057— Cars (Second-Hand)

See also Railroad Equipments, Second Hand

General Equipment Co., 342 Madison av, New York
Georgia Car & Locomotive Co., Atlanta, Ga.
Grant Locomotive & Car Works, Houston, Tex.
KLEINHANS H. CO. (Dump, Spreader & Railroad), Union Trust bldg, Pittsburgh, Pa. *See adv index at end of book*
Levis Henry & Co., 303 Commercial Trust bldg, Phila., Pa.
Males Co., 2226 Fulton av, Cincinnati, O.
Mitshkun M. Co., 6575 Dix av, Detroit, Mich.
Sherwood E. C., 50 Church, New York
SOUTHERN IRON & EQUIPMENT CO., Atlanta, Ga.
United Commercial Co., 234 Steuart, San Francisco, Cal.
Watson John B. Co., 25th & Dickenson, Philadelphia, Pa.
Zelnicker Walter A. Supply Co. (Dealer), 325 Locust, St. Louis, Mo.

Cars (Section)

See Cars, Hand & Push; Also Cars, Motor Inspection

2058— Cars (Shop)

CHASE FOUNDRY & MFG. CO. THE, 2700 S Parsons av, Columbus, O. *See adv index at end of book*
Easton Car & Construction Co., 36 Holley, Easton, Pa.
HUNT C. W. CO., West New Brighton, N. Y. *See adv index at end of book*

2059— Cars (Side Dump)

Easton Car & Construction Co., 36 Holley, Easton, Pa.
Hamilton Wm. Sons Car Co., Newark, Ohio
Hunt C. W. Co., West New Brighton, N.Y. *See adv index at end of book*
Link-Belt Company, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Magor Car Corp., 30 Church, New York
Penn Foundry & Mfg. Co., Reading, Pa.
Sanford-Day Iron Works, 612 Dale av, Knoxville, Tenn.
Stuebner G. L. Iron Works, Queensboro Terminal, Long Island City, N. Y.

2060-1— Cars (Skip)

Allis Chalmers Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
Atlas Car & Mfg. Co., Cleveland, O. *See adv index at end of book*
Easton Car & Construction Co., 36 Holley, Easton, Pa.
Jeffrey Mfg. Co., 961 N Fourth, Columbus, O. *See adv index at end of book*
Link-Belt Company, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Ransome Concrete Machinery Co. (Self-Dumping), Dunellen, N. J.
Sanford-Day Iron Works, 612 Dale av, Knoxville, Tenn.
Turl Iron & Car Co., Inc., The, 50 Broad, New York. Works, Newburgh, N. Y.
United Iron Works Co., Inc., Kansas City, Mo.
Western Steel Car & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.

Cars (Slag)

See Cars, Hot Metal or Slag

2062— Cars (Spreader)

Buffalo Pitts Co. (Stone Spreading Cars), 27 Carolina, Buffalo, N. Y.
Continental Car Co. of America, Louisville, Ky.
Western Wheeled Scraper Co., Aurora, Ill.

2063—Cars (Sprinkling, Street Railway)

American Car Sprinkler Co., 1 Brussels, Worcester, Mass.
Brill J. G. Co., 62d & Woodland av, Phila., Pa.
McGuire-Cummings Mfg. Co., Harris Trust & Savings bldg, Chicago, Ill.
St. Louis Car Co., 3000 N B'way, St. Louis, Mo.

2064— Cars (Steam Shovel)

Sanford-Day Iron Works, Knoxville, Tenn.
Western Wheeled Scraper Co., Aurora, Ill.

2065— Cars (Steel)

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Atlas Car & Mfg. Co., Cleveland, O. *See adv index at end of book*
Bethlehem Shipbuilding Corporation Ltd., Bethlehem, Pa.
Bettendorf Co., Bettendorf, Ia.
Brill J. G. Co., 62d & Woodland av, Phila., Pa.
Chase Foundry & Mfg. Co. The, 2700 S Parsons av, Columbus, O. *See adv index at end of book*
Chrisman Foundry Co., Morgantown, W. Va.
Clark Car Co., 1624 Oliver bldg, Pittsburgh, Pa.
Continental Car Co. of America, Louisville, Ky.
Easton Car & Construction Co. (Mine & Ore), 36 Holley, Easton, Pa.
Globe Machinery & Supply Co., Des Moines, Iowa
Goodwin Car & Mfg. Co., 17 Battery pl, New York
Hamilton Wm. Sons Car Co., Newark, Ohio
Insley Mfg. Co. (Industrial & Concrete), 3500 E St. Clair, Indianapolis, Ind.
Koppel Industrial Car & Equipment Co., Dept. H, Koppel, Pa.
Magor Car Corp., 30 Church, New York
Mt. Vernon Car Mfg. Co. (Freight), Mt. Vernon, Ill.
Pacific Car & Foundry Co., Alaska bldg., Seattle, Wash.
Pressed Steel Car Co., 307 5th av., Pittsburgh, Pa.
Pullinger George S. Co., East Stroudsburg, Pa.
Ralston Steel Car Co., Columbus, O.
Ramapo Iron Works, Hillburn, N. Y.
Standard Steel Car Co., Butler, Pa.
Youngstown Steel Car Co. ("Standard"). Niles, Ohio

2066—Cars (Steel, Mining & Dump)

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Archer Iron Wks. (Mining), 2436 W 34th pl, Chicago, Ill.
Atlas Car & Mfg. Co., Cleveland, O. *See adv index at end of book*
Chrisman Foundry Co., Morgantown, W. Va.
Easton Car & Construction Co., 36 Holley, Easton, Pa.
Fairbanks, Morse & Co., Sheffield Plant Three Rivers, Mich.
Goodwin Car & Mfg. Co. (Dump), 17 Battery pl, New York
Hendrick Mfg. Co. (Mining), Carbondale, Pa.
Hoe J. R. & Sons (Coal Mining), Middlesboro, Ky.
Koppel Industrial Car & Equipment Co., Dept. H, Koppel, Pa.
Magor Car Corp., 30 Church, New York
Pennsylvania Furnace & Iron Co., 373 Pine, Warren, Pa.
Phillips Mine & Mill Supply Co., 2227 Jane, Pittsburgh, Pa.
Pressed Steel Car Co., 307 5th av., Pittsburgh, Pa.
Ramapo Iron Works, Hilburn, N. Y.
Sanford-Day Iron Works, 612 Dale av, Knoxville, Tenn.
Standard Steel Car Co., Butler, Pa.
Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.
Truax Mfg. Co., Denver, Colo.
United Iron Works Co., Inc., Kansas City, Mo.
Vulcan Mfg. Co., 1200 4th av, S Seattle, Wash.
Weller Mfg. Co., 853 W North av, Chicago, Ill.
Western Wheeled Scraper Co., Farnsworth, Aurora, Ill.
William A. Box Iron Works Co., 3309 Blake, Denver, Colo.

Cars (Stone)

See Cars, Industrial

2067— Cars (Storage Battery)

Atlas Car & Mfg. Co., Cleveland, O. *See adv index at end of book*
Brill J. G. Co. (With "Hycap-Exide" Batteries), 62nd & Woodland av, Phila., Pa.
Easton Car & Construction Co. (Electric), 36 Holley, Easton, Pa.
Railway Storage Battery Car Co. (Edison Storage Battery Car), 50 Broad, New York

2068—Cars (Street & Electric)

American Car Co., 1518 S Vandeventer av, St. Louis, Mo.
American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Atlas Car & Mfg. Co. (Electric only), Cleveland, O. *See adv index at end of book*

Bradley Osgood Car Co., West Boylston, Worcester, Mass.
Brill J. G. Co., 62nd & Woodward av, Phila., Pa.
Cincinnati Car Co., Spring Grove & Mitchell av, Cincinnati, O.
Hall Scott Motor Car Co. Inc., 818 Crocker bldg, San Francisco, Cal.
Hamilton Wm. Sons Car Co. (also Interurban), Newark, Ohio
Kuhlman G. C. Car Co. (See J. G. Brill Co.), Adams & L. S. & M. S. Ry, Cleveland, O.
Laconia Car Co., Boston, Mass. Works: Laconia, N. H.
McGuire-Cummings Mfg. Co., Harris Trust & Savings bldg., Chicago, Ill.
Meister A. & Sons Co., Woodland, Cal.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Pullman Co., Chicago, Ill., & New York
Russell Car & Snow Plow Co., Ridgway, Pa.
Safety Car Device Co., 1932 N B'way, St. Louis, Mo.
St. Louis Car Co., 8000 N. B'way, St. Louis, Mo.
Woeber Car & Mfg. Co., Denver, Colo.

2068a— *Cars (Sugar Cane)

Easton Car & Construction Co., 36 Holley, Easton, Pa.
Magor Car Corp., 30 Church, New York

2069— Cars (Tank)

See also Tanks, Car

Acar Mfg. Corp. (Rented), 30 Church, New York
Allegheny Foundry Co., Ltd. (Steel), Boquet & Grant, Pittsburgh, Pa.
Allegheny Steel Tank Car Co., Warren, Pa.
American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Bethlehem Steel Co., Bethlehem, Pa.
Bettendorf Co. (All Steel), Bettendorf, Ia.
Chicago Steel Car Co., Harvey, Ill.
General Amer. Car Co., 111 W. Monroe, Chicago, Ill.
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Hamilton Wm. Sons Car Co., Newark, Ohio
Hamler Boiler & Tank Co., Dept. H, W 66th & S 60th av, Chicago, Ill.
Kilbourne & Jacobs Mfg. Co., Columbus, Ohio
Magor Car Corp., 30 Church, New York
Pacific Coast Despatch (Tank cars leased for shipment of Gasoline, Crude & Refined Oil, Soya Bean, Peanut, Cocoanut & Chinawood Oils), Phelan bldg., San Francisco, Cal.
Penn Tank Car Co. (For Gasoline, Crude & Refined Oil, Alkali, Molasses & Alcohol), Sharon, Pa.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Reeves Bros. Co. (The) (Oil & Acid Transporter), Alliance, O.
See adv index at end of book
Treadwell M. H. Co., of Ill., 208 S. La Salle, Chicago, Ill.
Turl Iron & Car Co., Inc., The, 50 Broad, New York. Works, Newburgh, N. Y.
Western Steel Car & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.

2070— *Cars (Tie)

Easton Car & Construction Co., 36 Holley, Easton, Pa.
Hunt C. W. Co., West New Brighton, N. Y.
See adv index at end of book

2071— Cars (Tipple)

United Iron Works Co., Inc., Kansas City, Mo.
Worthington Pump & Machinery Corp., 115 B'way, New York

2072— Cars (Tower Hand)

Kalamazoo Railway Supply Co., Kalamazoo, Mich.

2072a— *Cars (Track)

Easton Car & Construction Co. (Industrial Railroad), 36 Holley, Easton, Pa.

2073— Cars (Track Laying)

Buda Co., Harvey, Ill.
Fairbanks, Morse & Co. ("Sheffield), 900 S Wabash av, Chicago, Ill.
Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.
Glover Machine Works, Marietta, Ga.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Koppel Industrial Car & Equipment Co., Dept. H, Koppel, Pa.
Ramapo Iron Works, Hillburn, N. Y.

2074—Cars (Trackless Trolley)

Trackless Trolley Co. of Am., 501 5th av, New York

2075—*Cars (Traction Engine)

Electric Wheel Co. (Heavy Truck Cars), Station D, Quincy, Ill.
See adv index at end of book

2076— Cars (Tram)

Chase Foundry & Mfg. Co. The, 2700 S Parsons av, Columbus, O.
See adv index at end of book

Easton Car & Construction Co. (Industrial), 36 Holley, Easton, Pa.
Gregg Co., Ltd., Hackensack, N. J.
Helmick Fdry. & Machine Co., Fairmont, W. Va.
Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.
Ramapo Iron Works, Hillburn, N. Y.
Roberts & Schaefer Co., 1110 Wrigley bldg, Chicago, Ill.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Sanford-Day Iron Works, 612 Dale av, Knoxville, Tenn.
Truax Mfg. Co., Denver, Colo.
Union Iron Works, Spokane, Wash.
United Iron Works Co., Inc., Kansas City, Mo.

2077— Cars (Transfer)

Anderson Foundry & Machine Works (For Brick Yards, etc), Anderson, Ind.
Atlas Car & Mfg. Co., Cleveland, O.
See adv index at end of book
Bonnot Company (Double Transfer), Canton, O.
Cement Tile Machy. Co. ("Ideal"), Waterloo, Iowa
CHASE FOUNDRY & MFG. CO. THE, 2700 S Parsons av, Columbus, O.
See adv index at end of book
Easton Car & Construction Co. (Transformer), 36 Holley, Easton, Pa.
Fairbanks, Morse & Co., Sheffield Plant Three Rivers, Mich.
Globe Machy. & Supply Co., Des Moines, Ia.
Goodfellow J. P., Blaine, Wash.
Helmick Foundry & Machine Co., Fairmont, W. Va.
Kent Machine Co., Kent, O.
Koppel Industrial Car & Equipment Co., Dept. H, Koppel, Pa.
Lakewood Engineering Co., Cleveland, O.
Magor Car Corp., 30 Church, New York
North Coast Dry Kiln Co., Seattle, Wash.
Northwest Engineering Corp., 468 E Taylor, Portland, Ore.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Russel Wheel & Foundry Co. (Steel), Chene & Bl R R, Detroit, Mich.
Standard Dry Kiln Co. (Dry Klin), Harding & Belt, Indianapolis, Ind.
United Iron Works Co., Inc., Kansas City, Mo.
Western Steel Car & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.

2078— *Cars (Tray)

Lakewood Engineering Co., Cleveland, O.
Easton Car & Construction Co., 36 Holley, Easton, Pa.

2079— Cars (Trolley Repair)

Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.

2080— Cars (Tunnel)

Bettendorf Co. (All Steel), Bettendorf, Ia.
Easton Car & Construction Co. (Lining), 36 Holley, Easton, Pa.
Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.
Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.
Pacific Car & Equipment Co., South San Francisco, Cal.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Western Steel Car & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.
Western Wheeled Scraper Co., Farnsworth, Aurora. Ill.

2080a— Cars (Two Way Dump)

Easton Car & Construction Co., 36 Holley, Easton, Pa.
Lakewood Engineering Co., Cleveland, O.
Western Wheeled Scraper Co., Farnsworth, Aurora, Ill.

2080b— Cars (V Dump)

Easton Car & Construction Co., 36 Holley, Easton, Pa.
Koppel Industrial Car & Equipment Co., Dept. H, Koppel, Pa.
Lakewood Engng. Co., Cleveland, Ohio
Magor Car Corp., 30 Church, New York

2081-2-3—Cars (Velocipede)

See also Cars, Inspection; also Cars, Motor Inspection

Buda Co., Harvey, Ill.
Easton Car & Construction Co., 198 Fulton, New York.
Fairbanks, Morse & Co. ("Sheffield"), 900 S Wabash av, Chicago, Ill.
Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Wood John Iron Works, 461 E Alder, Portland, Ore.

Cars (Velocipede, Gasoline Motor)

See Cars, Motor Inspection

Cars (Warehouse & Factory)

See Trucks, Store, Warehouse, Etc.

Cars (Wrecking)

See Cranes, Wrecking

2084-5—Cartons (Paper Folding)

Agar Mfg. Co. (Corrugated), 167 41st, Brooklyn, N. Y.
American Tri-State Paper Box Co., 808 17th av, N, Nashville, Tenn.
Andrews O. B. Co., Roosevelt av & Belt Ry, Chattanooga, Tenn.
California Paper Box Co. Inc., 3171 17th, San Francisco, Cal.
Campbell Paper Box Co., South Bend, Ind.
Campbell Tag Co. ("Campbell" Butter), South Bend, Ind.
Carton Corp., 645H Brannan, San Francisco, Cal.
Diepress Co. (Multicolor), Dept. H, Cazenovia, N. Y.
Ft. Orange Paper Co., Castleton-on-Hudson, N. Y.
Gair Robert Co., 350H Madison av, New York
Gereke-Allen Carton Co., 1701 Chouteau, St. Louis, Mo.
Hummel & Downing Co., Milwaukee, Wis.
Illinois Glass Co. ("Diamond I"), Dept. H, Alton, Ill.
Interstate Corrugated Box Co., 75 Front, Brooklyn, N. Y.
Lindley Box & Paper Co., Marion, Ind.
Pacific Label Co., 156 2d, San Francisco, Cal.
Paper Package Co., 621 S Delaware, Indianapolis, Ind.
Paraffin Co.'s, Inc., 475 Brannan, San Francisco, Cal.
Pridham R. W. Co., 903 N. Main, Los Angeles, Cal.
St. Louis Label Wks., 925 N 11th, St. Louis, Mo.
Schmidt Lithograph Co., 2d & Bryant, San Francisco, Cal.
Self-Locking Carton Co. (Ventilated Egg In One Dozen & One Half Dozen **Sizes, also Cake Bands for Wrapping Cakes & Pies), 569-589 E Illinois, Chicago, Ill.**
Seneca Falls Folding Box Co., Seneca Falls, N. Y.
Standard Carton Co., 2908 S Asotin, Tacoma, Wash.
Star Box & Printing Co., 214 Boyce, Chattanooga, Tenn.
Thompson & Norris Co., The (Corrugated), 212 Concord, Brooklyn, N. Y.
Trum E. J., Inc., 57 3rd, Broklyn, N. Y.
Waldorf Paper Products Co., St. Paul, Minn.

2086— *Cartridge Blanks

Waterbury Mfg. Co., Division Chase Companies, Inc., Waterbury, Conn.

Cartridge Mfrs.

See Ammunition

2087— Cartridges (Dynamite)

Atlas Powder Co., Wilmington, Del.
Du Pont E. I. de Nemours & Co. Inc. (Explosives & Smokeless Powder Depts.) (See Adv at Explosives), Wilmington, Del.
See adv index at end of book

Carts (Barrel)

See Carts, Hand & Barrel

2088— Carts (Coal)

See also Wagons, Coal

Jackson Mfg. Co., 4th & Boyd, Harrisburg, Pa. *See adv index at end of book*
Littleford Bros., 444 E Pearl, Cincinnati, O. *See adv index at end of book*
Phillips Doup & Co. ("National"), 44th & 1st av, Brooklyn, N. Y.
Stuebner G. L. Iron Works (Hand Push), Queensboro Terminal, Long Island City

2089— Carts (Concrete)

See also Cars, Concrete; also Wagons, Asphalt; also Barrows, Concrete & Mortar

Akron Barrow Co. 3144 E. 65th, Cleveland, O.
Archer Iron Works, 2436 34th pl, Chicago, Ill.
Austin W. E. Machinery Co., Atlanta, Ga.
Biehl Iron Wks., Inc., Reading, Pa.
Bremer W. A., 3612-H S Alameda, Los Angeles, Cal.
Chicago Builders' Specialties Co., 11 S La Salle, Chicago, Ill.
Davis Norris K., 400 7th, San Francisco, Cal.
Glen-Gery Shale Brick Co., 9H 5th, Reading, Pa.
Gray Iron Foundry Co., Reading, Pa.
Hobson & Co., Easton, Pa.
Insley Mfg. Co., 3500 E St. Clair, Indianapolis, Ind.
Kilbourne & Jacobs Mfg. Co. ("Columbus"), Columbus, O.
Lakewood Engineering Co., Cleveland, O.
Littleford Bros., 444 E Pearl, Cincinnati, O. *See adv index at end of book*
PENN FOUNDRY & MFG. CO., Wyomissing, Reading, Pa.
Phillips Doup & Co. ("National"), 44th & 1st av, Brooklyn, N. Y.

(Continued on following page)

Carts (Concrete)—Continued

Ransome Concrete Machinery Co., Dunellen, N. J.
Sackett H. B. Screen & Chute Co., 1691 Elston av, Chicago, Ill.
STERLING WHEELBARROW CO. ("Sterling"), Milwaukee, Wis.
See adv index at end of book
Toledo Wheelbarrow Co. ("Bull Frog"), 2400 B'way, Toledo, O.
Western Wheeled Scraper Co., Farnsworth, Aurora, Ill.

2090—Carts (Concrete Spreading Dump)

Briggs Labor Saving Specialty Co., Waterloo, Ia.
Lansing Co., Lansing, Mich.

2091— Carts (Crushed Ice)

Gifford-Wood Co., Hudson, N. Y.

2092-3— Carts (Dumping)

See also Wagons, Dumping

Acme Road Machinery Co., Frankfort, N. Y.
Acme Wagon Co., Enigsville, Pa.
Auburn Wagon Co., Martinsburg, W. Va.
Bain Wagon Co., Kenosha, Wis.
Biehl Iron Works, Inc., Reading, Pa.
Chattanooga Wheelbarrow Co. (For Concrete), 1300 E 14th, Chattanooga, Tenn.
Electric Wheel Co., Station D, Quincy, Ill.
See adv index at end of book
Etnyre E. D. & Co. ("Tipover"), Oregon, Ill.
Fort Smith Wagon Co., Fort Smith, Ark.
Henderson Wagon Works, Henderson, Ky.
Hill E. W. (Steel), 24 Pollock av, Jersey City, N. J.
Hobson & Co., Easton, Pa.
Hvass Chas. & Co., 508 E. 19th, New York
Ky. Wagon Mfg. Co. ("Old Hickory," "Tennessee"), 3rd & K, Louisville, Ky.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Knapheide Henry Wagon Co., Quincy, Ill.
Lansing Co., Lansing, Mich.
Linstroth Wagon Co., 2616 Chouteau av, St. Louis, Mo.
MacLean & McCurdy ("MacLean," for Contractors), Dorchester, Boston, Mass.
Nissen Geo. E. & Co., Winston-Salem, N. C.
Overpack S. C., Manistee, Mich.
Owensboro Wagon Co., Owensboro, Ky.
Quaker City Iron Works (Contractors' Steel), Tioga & Richmond, Phila., Pa.
Ransome Concrete Machinery Co., Dunellen, N. J.
Schuttler Peter Co., 2509 W 22d, Chicago, Ill.
Smith & Sons Mfg. Co., Kansas City, Mo.
STERLING WHEELBARROW CO. (Foundry), Milwaukee, Wis.
See adv index at end of book
Streich A. & Bro. Co., Oshkosh, Wis.
Studebaker Corp., South Bend, Ind.
Stuebner G. L. Iron Works, Queensboro Terminal, Long Island City, N. Y.
Sweet B. F. & H. L. Co., Fond-du-Lac, Wis.
Swift Mfg. Co. ("Swift's Practical"), Waterloo, Ia.
Tiffin Wagon Co. (Steel Bucket), Tiffin, O.
Wellington Machine Co. (Brick, etc), Wellington, O.
Western Wheeled Scraper Co., Aurora, Ill.
White Hickory Wagon Mfg. Co., East Point, Ga.
Winona Wagon Co., Winona, Minn.
Wright Thos. Co., 245 Monmouth, Jersey City, N. J.

Carts (Garbage)

See Wagons, Garbage, Etc

2094— Carts (Hand & Barrel)

See also Trucks, Bag & Barrel

Aubeuf Frank J., Inc. ("Merrimac," "Monitor" Hand Carts only), Oneida, N. Y.
Bateman Mfg. Co. ("Iron Age"), Grenloch, N. J.
Belle City Mfg. Co. ("Belle City"), Racine, Wis.
Brown-Manly Plow Co. ("Malta"), Malta, Ohio
Chatttanooga Wheelbarrow Co. (Ford only), 1300 E 14th, Chattanooga, Tenn.
Electric Wheel Co., Station D, Quincy, Ill.
See adv index at end of book
Fairbanks Co., 416 Broome, New York
Gendron Wheel Co. ("Pioneer"), Toledo, O.
Havana Metal Wheel Co. ("Handy"), Havana, Ill.
Hayes Pump & Planter Co. (Barrel only), Galva, Ill.
Herschel R. Mfg. Co., Peoria, Ill.
Hobson & Co., Easton, Pa.
Kentucky Wagon Mfg. Co. ("Old Hickory"), Louisville, Ky.
Kilbourne & Jacobs Mfg. Co. ("St. Louis," "Jubilee," "Buckeye," Hand), Columbus, O.
La Crosse Plow Co. ("Rival" Barrell), La Crosse, Wis.
Lansing Co., Lansing, Mich.
Lean, Roderick Mfg. Co. ("Butler" Steel Hand Cart), Mansfield, O.
Menasha Wood Split Pulley Co. (Hand Delivery), Menasha, Wis.
Myers F. E. & Bro., 900 Fourth, Ashland, Ohio.
New Winona Mfg. Co. (Barrel only), Winona, Minn.
Plattner Yale Mfg. Co. ("Plattner"), Lincoln, Neb.
Puffer-Hubbard Mfg. Co. (Steel Wheel), 32d av. S. & 26th, Minneapolis, Minn.
Sandwich Mfg. Co. ("Enterprise," "Sandwich"), Sandwich, Ill.
South Bend Chilled Plow Co., South Bend, Ind.
Standard Scale & Supply Co., 1631 Liberty av, Pittsburgh, Pa.
Steel Basket Co., Cedar Rapids, Ia.
Streich A. & Bro. Co. ("Lumbermen's" Hand Car), Oshkosh, Wis.
Studebaker Corp., South Bend, Ind.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Western Wheelbarrow Mfg. Co., South Fort Smith, Ark.
White Hickory Wagon Mfg. Co. (Push), East Point, Ga.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.
Zering H. Mfg. Co., B. & O. Ry. & Hickory, Oakley, Cincinnati, O.
See adv index at end of book

2095-6— Carts (Harrow)

Bloom Mfg. Co., Nashua, Ia.
Deere & Co. ("John Deere"), Moline, Ill.
Emerson-Brantingham Co. ("E-B"), Rockford, Ill.
La Crosse Plow Co., La Crosse, Wis.
Madison Plow Co. ("Fuller & Johnson"), Madison, Wis.
Moline Plow Co. ("Success," Riding), Moline, Ill.
Ohio Cultivator Co., Bellevue, O.
Parlin & Orendorff Co., Canton, Ill.
Peoria Drill & Seeder Co. ("Kingman," "Great Northern," "O. K.," "Peerless"), Peoria, Ill.
Peru Plow & Wheel Co., Peru, Ill.
Rock Island Plow Co. (Riding), Rock Island, Ill.
South Bend Chilled Plow Co., South Bend, Ind.

Carts (Hose)

See Hose Carriages & Carts

2097— Carts (Linemen's)

See also Wagons, Trolley; also Cars, Trolley Repair

Dicke Tool Co., Downers Grove, Ill.

2098-9—Carts (Logging & Lumber)

See also Trucks; also Wagons

Archer Iron Works, 2436 W. 34th pl, Chicago, Ill.
Bender Wagon Co. ("Bender"), Texarkana, Ark.
Brown Bros. Co., 11 Broadway, New York
Dobbie Foundry & Machine Co., Niagara Falls, N. Y.
See adv index at end of book
Electric Wheel Co., Station D, Quincy, Ill.
See adv index at end of book
Hemming Wagon Co., Meridian, Miss.
Holzbog C. H. & Bros., Jefferson, Ind.
Lansing Co., Lansing, Mich.
Overpack S. C., Manistee, Mich.
Ransome Concrete Machinery Co., Dunellen, N. J.
Schwartz, Jos. Co., Ltd., 548 Baronne, New Orleans, La.
Streich A. & Bro. Co., Oshkosh, Wis.
Williams Mfg. Co. ("Forest King"), Macon, Ga.

2100—Carts (Pickup or Beam)

Dobbie Foundry & Machine Co., Niagara Falls, N. Y.
See adv index at end of book
Hobson & Co., Easton, Pa.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Lansing Co., Lansing, Mich.

Carts (Push)

See Carts, Hand & Barrel

2101— Carts (Railroad)

Bain Wagon Co., Kenosha, Wis.
Hobson & Co., Easton, Pa.
Luedinghaus-Espenschied Wagon Co., 1717 N B'way, St. Louis, Mo.
Studebaker Corp., South Bend, Ind.
Tiffin Wagon Co. (Contractors), Tiffin, O
Western Wheeled Scraper Co., Farnsworth, Aurora, Ill.

2102— Carts (Road Spreading)

American Road Machinery Co. (For Spreading Road Materials for Macadam Roads), Kennett sq, Pa.
Eagle Wagon Works, Auburn, N. Y.
Good Roads Machinery Co., Kennett sq, Pa.
Port Huron Engine & Thresher Co. (Also Wagons), Port Huron, Mich.
Western Wheeled Scraper Co., Farnsworth, Aurora, Ill.

Carts (Sprinkling)

See Street Sprinkling Carts & Wagons

2103—Carts (Street Cleaning Hand)

Chattanooga Wheelbarrow Co., 1300 E 14th, Chattanooga, Tenn.
Lansing Co., Lansing, Mich.
Wirt & Knox Mfg. Co., 23d & York, Phila., Pa.

2104— Carts (Three Wheel)

Standard Scale & Supply Co., 1631 Liberty av, Pitsburgh, Pa.
Streich A. & Bro. Co., Oshkosh, Wis.

2105— Carts (Two Wheeled)

Frankfort Road Machinery Co., Frankfort, N. Y.
Kentucky Wagon Mfg. Co., Louisville, Ky.
STERLING WHEELBARROW CO. (Galvanized; All Kinds for Packers), Milwaukee, Wis.
See adv index at end of book

2106— Carvers (Stone)

Evans John & Co., 77 Huntington av, Boston, Mass.
Mansfield Fdry. Co., Mansfield, Mass.
Nygard Alfred F., 290 Woodward, Detroit, Mich.
Rochette & Parzini, 218 E 25th, New York
Van Maldern F., 5th & Jumonville, Pittsburgh, Pa.

2107—Carvers, Wood (Classic)

American Wood Carving Co., 2341 Greenview av, Chicago, Ill.
Architectural Decorating Co., 1600 S Jefferson, Chicago, Ill.
Behm Gustav, 715 North av, Chicago, Ill.
Bisch & Salzmann, 1837 E 16th, Los Angeles, Cal.
Buffalo Grille Co., 270 Court, Buffalo, N.Y.
California Wood Carving Co., 1123 Howard, San Francisco, Cal.
Decorators' Supply Co., Archer av & Leo, Chicago, Ill.
Duchemin Geo. W., 37 Wainwright, Newark, N. J.
Dux Jos, 2112 W Van Buren, Chicago, Ill.
Emmel Chas. & Rose Co., 383 Albany, Boston, Mass.
Emmel Co. (Architectural), 81 Bristol, Boston, Mass.
Evans John & Co., 77 Huntington av, Boston, Mass.
Fabry T. P. J., Rochester. N. Y.
Gossert Henry, 320 Harmon, Phila., Pa.
Klise Mfg. Co., Grand Rapids, Mich.
Kopriwa E. Co., 2220 Ward, Chicago, Ill.
Lamb J. & R., 25 6th av, New York
Nygard Alfred F., 290 Woodward, Detroit, Mich.
Oakland Ornamental Compo Works, 3544 Custer, Oakland, Cal.
Ornamental Products Co. ("Lignive," Unbreakable), 2101 W Lafayette, Detroit, Mich.
Peirce W. E. & Co., Milford, N. H.
Plastic Relief Mfg. Co., 1959 Fulton, Chicago, Ill.
Pride Willis A., 43 Bristol, Boston, Mass.
Reddinger P. H. Mfg. Co., Wabash & Delaware, Evansville, Ind.
Rochette & Parzini, 218 E 25th, New York
Schneider F. H., 631 W. Belden av, Syracuse, N. Y.
Thomas & Co., Worcester, Mass.
Van Maldern F., 5th & Jumonville, Pittsburgh, Pa.
Waddell Mfg. Co., Grand Rapids, Mich.
Western Builders' Supply Co. ("Compo"), 135 2d, San Francisco, Cal.
Zork Mfg. Co., 1509 N Halsted, Chicago, Ill.

2108— Case Hardening

See also Compounds, Case Hardening & Tempering, also Steel Hardening

American Metal Treatment Co., Elizabeth, N. J.
Ashley Machine Works, Rochester, N. Y.
Barnes (The) Wallace Co., 18 Wallace, Bristol, Conn.
See adv index at end of book
Bennett Metal Treating Co., 1045 New Britain av, Elmwood, Conn.
Bidle W S Co., 1411 E 45th, Cleveland, O.
Bliss A. H. & Co., No. Attleboro, Mass.
Boston Gear Works, Norfolk Downs, Quincy, Mass.
See adv index at end of book
Bridgeport Metal Treating Co., 528 State, Bridgeport, Conn.
Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Cleveland Metal Treating & Welding Co., 4829 Lexington av, N E, Cleveland, O.
COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book
Conn. Metal Treating Co. Inc., 207 Knowlton, Bridgeport, Conn.
Crosby Co., 183 Pratt, Buffalo, N. Y.
Drop Forging Co. of N. Y., 301 West Side av, Jersey City, N. J.
Dyrbrow & Hearne Mfg. Co., 12 Wooster, New York
Eastern Bolt & Nut Co., E Providence, Providence, R. I.
Frasse Peter A. & Co., Inc., 417 Canal, New York. Works: Hartford, Conn.
General Mach. Wks., York, Pa.
Kohler Die & Specialty Co., De Kalb, Ill.
Lansing Forge Co., Lansing, Mich.
Larson Chas. E., 111 N Desplaines, Chicago, Ill.
Matthews H. A. Mfg. Co., Seymour, Conn.
Meisel Press Mfg. Co., 942 Dorchester av, Boston, Mass.
Myall-Wallace Co., 559 W Lake, Chicago, Ill.
National Ring Traveler Co., 257 W Exchange, Providence, R. I.

New England Annealing & Tool Co. (Carbon & High Speed Steel), 74 K, S Boston, Mass.
Norfolk Hardening Works, Inc., 30 Federal, Boston, Mass.
Norris Noiseless Pedal Action Co., Stoughton, Mass.
Peninsular Milled Screw Co., 4646 Lawton, Detroit, Mich.
Roberts Mfg. Co., Lockport, N. Y.
Roessler & Hasslacher Chemical Co. ("R. H." Granular), 709H 6th av, New York
See adv index at end of book
ROTAX MFG. CO. ("Rotax Hardentite"), 171 Broadway, New York, and 24 Bathgate pl, Newark, N. J.
Sier-Bath Co., 143 W 54th, New York
Springfield Facing Co. (Cyanide), 315 Main, Springfield, Mass.
See adv index at end of book
Steel Improvement & Forge Co. ("Infuso"), 5003 Windsor, Cleveland, O.
U. S. Ring Traveler Co., 159 Aborn, Providence, R. I.
Union Chain & Mfg. Co., Sandusky, Ohio
Van Doren Mfg. Co., Chicago Heights, Ill.
Vincent Steel Process Co. ("Vincent" Process), 3131 Bellevue av, Detroit, Mich.
Williams J. H. & Co. (Annealing, Carbonizing, Case Hardening & Tempering), 400 Vulcan, Buffalo, N. Y.

2109— Casein

Amalgamated Gum Co. (Vegetable), Troy, N. Y.
Atterbury Bros. (French Imported), 145 Nassau, New York
Bird J. A. & W. & Co., 348 Concord sq, Boston, Mass.
California Central Creameries, 425 Battery, San Francisco, Cal.
Casein Mfg. Co., 13 Park row, New York
Cooper & Cooper Inc, 23-H Cliff, New York
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Innis Speiden & Co. Inc., 46 Cliff, New York
Kalbfleisch Corp., 200 5th av, New York
Kaseno Products Co. ("Kaseno" "Bitu-Mo Lin"), 3400 13th av SW, Seattle, Wash.
Klipstein A. & Co. (Dealer), 644 Greenwich, New York
National Milling & Chemical Co., Harper's Mills, Phila., Pa.
Oxide Mfg. Co., Arlington, Mass.
Sargent E. M. Co., 131 Cedar, New York
Taintor Trading Co., Inc. (Imp.), 21 State, New York
Union Casein Co., 822 N Broad, Phila., Pa.

2109a— Cases (Ammunition)

Bethlehem Steel Co. (Cartridge, etc.), Bethlehem, Pa.
Bogert & Hopper, Inc. (Wood for Cartridges), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 Fifth av, New York. *See adv index at end of book*
New England Box Co., 104 E. 42nd, New York *See adv index at end of book*

2109b— Cases (Bankers')

Globe-Wernicke Co. (The), (Note), 25 Carthage av, Cincinnati, Ohio
See adv index at end of book
Ravenswood Office Specialties Co., 1800H Newport av, Chicago, Ill.
Western Bank Supply Co., 348-H 4th, Oakland, Cal.

2110— Cases (Blacking)

Behrend Jacob, 118 Allen, Phila., Pa
Dillingham Mfg. Co., Sheboygan, Wis.
Gair Robert Co., 350-H Madison av, New York
Remer Mfg. Co., 205 Diamond, Brooklyn, N. Y.
Stokes Wm. A. & Co., 50 Howard, New York
Udell Works, Indianapolis, Ind.
Van Arnam Mfg. Co., Ft. Wayne, Ind.

2111— Cases (Bottlers')

Defiance Pressed Steel Co., Defiance, Ohio
Hightower Box & Tank Co., Atlanta, Ga
Michel & Pfeffer Iron Works (Iron), 1417 Harrison, San Francisco, Cal.
New England Box Co., 104 E. 42d, New York *See adv index at end of book*
Turner Bros. Co. "Triangle Brand" Beer & Soda), Terre Haute, Ind.
Woodstock Mfg. Co., Charleston, S. C.

2111a— Cases (Card)

Bates Bros. Co., Athol, Mass
Ferree E. H. Co., Lockport, N. Y.
Florin Philip, 11 E 24th, New York.
Globe-Wernicke Co. (The) (Index), 25 Carthage av, Cincinnati, Ohio
See adv index at end of book
National Cardoscope Co. ("Cardoscope One-at-a-Time"), 362 Clay, San Francisco, Cal.
Waterbury Mfg. Co., Division Chase Companies, Inc., Waterbury, Conn.

2111b— *Cases (Carrying)

KNICKERBOCKER CASE CO. (Salesmen's Samples, Machines, etc.), Fulton & Clinton, Chicago, Ill.
Mashek Frank & Co. (Salesmen's Samples, Machines, etc), 1914 Milwaukee, Chicago

2111c— Cases (Cigarette)

Art Work Shop ("Superior"), 828 E Ferry, Buffalo, N. Y.
Bates Bros. Co., Athol, Mass.
Brun Mill Dept. H, Pittsfield, Ill.
Carr M. W. & Co., West Somerville, Mass.
Presto Cigarette Case Corp., Dept. H, North Attleboro, Mass.
Wallace R. & Sons, Dept. H, Wallingford, Conn.
Wightman & Hough, 7 Beverly, Providence, R. I.

2112—Cases (Clock & Watch)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
ESTES E. B. & SONS (Wooden), 364 5th av, New York
See adv index at end of book
New England Box Co., 104 E. 42nd, New York *See adv index at end of book*
Standard Electric Time Co. (Wooden, Clock), Springfield, Mass.
Waterbury Mfg. Co., Division Chase Companies, Inc., Waterbury, Conn.

2112a— *Cases (Drill)

WHITMAN & BARNES MFG. CO., Akron, Ohio *See adv index at end of book*

2113-4— Cases (Egg)

American-Blakeslee Mfg. Co., Birmingham, Ala.
Anderson-Tully Co., N 2nd, Memphis, Tenn.
Beaufort Veneer & Package Co., Beaufort, S. C.
Carrier Lumber & Mfg. Co., Sardis, Miss.
Cherry J. G. Co., Cedar Rapids, Iowa.
Chicago Mill & Lumber Co., 500 N Dearborn, Chicago, Ill.
Creamery Package Mfg. Co., 61 W Kinnie Chicago, Ill.
Embry Box Co., 16th & Maple, Louisville, Ky.
General Box Co., Dept. P, 500 N Dearborn, Chicago, Ill.
National Paper Products Co., 528 Battery, San Francisco, Cal.
See adv index at end of book
North Star Egg Case Co., Quincy, Ill.
Omaha Box Co., Omaha, Neb.
Peterson-Miller Box Co., Cairo, Ill.
Portland Egg Case Co., Portland, Ind
Smith L. J., Eaton Rapids, Mich.
Urbana Egg Case Co., Urbana, O.

2115*—Cases (Fishing Tackle)

KNICKERBOCKER CASE CO. (Leather), Fulton & Clinton, Chicago, Ill.

2115a— Cases (Flashlight)

Puckett, Paul R. Co., P. O. Box 1493, Atlanta, Ga.

2116— Cases (Jewelry)

American Morocco Case Co., 665 5th av, New York
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York. *See adv index at end of book*
Borgzinner S. Co., Orange, N. J.
Buffalo Jewelry Case Co., 329 Broadway, Buffalo, N. Y.
Brooks Mfg. Co., 44 Binford, Boston, Mass.
Chicago Case Mfg. Co., 213 N Morgan, Chicago, Ill.
Chicago Plush & Leather Case Co., 110 N Franklin, Chicago, Ill.
Dennison Mfg. Co., So. Framingham, Mass.
DU PONT E. I. de NEMOURS & CO., INC., Pyralin Dept. ("Pyralin," see Adv. at Celluloid.), Arlington, N. J.
See adv index at end of book
Estes E. B. & Sons (Wooden), 364 5th av, New York.
See adv index at end of book
Ettlinger Louis & Sons, S I 947 Rich av, New York
Farrington Case Co., 53 Park pl, New York
Frank & Gutmann, 25 W 8th, New York
Globe Jewelry Case Co., 35 E 10, New York
Ideal Leather Goods Co., 326 Dean, Providence, R. I.
Jewelry Displaying & Box Novelty Co., 21 Ritch, San Francisco, Cal.
Kahle Wm., 21 Broomfield, Boston, Mass.
Kraft Theo. & Sons, 458 W B'way, New York
Lehmann Ludwig, 72 Beekman, New York
Manhattan Wood Novelty Co., 40 Fulton New York
Mozar & Co., 25 Maiden la, New York
Muhs Mfg. Co., 272 Tehama, San Francisco, Cal.
Nadelman Lesser, 79 4th av, New York
National Jewelry Case Co., 642 Michigan av, Buffalo, N. Y.
New England Box Co. (Wooden, for Covering with Paper, Leather or Velvet), 104 E. 42nd, New York
See adv index at end of book
Rubenstein L, 380 Lafayette, New York
Rueckert Mfg. Co., 162 Clifford, Providence, R. I.
Standard Wood Novelty Co., 446-450 Water, New York
Vt. Box Co., Dept. H, Bristol, Vt.
Warner Jewelry Case Co., 646 Michigan av, Buffalo, N. Y.
Warren Leather Goods Co., 82 Austin, Worcester, Mass.
Wiggers & Froelick, 8 Catherine, New York
Wolfsheim & Sachs, 35 Maiden la, New York
Zimmerman & Weber, 260 W 41st, New York

2116a— *Cases (Mailing)

Estes E. B. & Sons (Wood), 364 Fifth av, New York *See adv index at end of book*
Hinde & Dauch Paper Co. (The), 253 Water, Sandusky, Ohio
See adv index at end of book
International Mailing Tube & Wrapper Co., 212 Concord, Brooklyn, N. Y.
NATIONAL PAPER PRODUCTS CO., ("National"), 528 Battery, San Francisco, Cal.
See adv index at end of book
New England Box Co., 104 E. 42nd, New York *See adv index at end of book*
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
See adv index at end of book
UNION PAPER CO. (Fibre), 844 Washington, New York
See adv index at end of book

2117-18—Cases (Mailing—for Liquids)

BOGERT & HOPPER, INC., 57 Barclay, New York. *See adv index at end of book*
Eagle Envelope Co. (For Parcel Post), 431 S Dearborn, Chicago, Ill.
Estes E. B. & Sons (Wood), 364 5th av, New York *See adv index at end of book*
Improved Mailing Case Co., 309 B'way, New York
National Paper Products Co., 528 Battery, San Francisco, Cal.
New England Box Co., 104 E. 42nd, New York *See adv index at end of book*
Redlich Mfg. Co., 637-647 W Oak, Chicago, Ill.
St. Louis Paper Can & Tube Co., Big Bend rd, St. Louis, Mo.
UNION PAPER CO., 844 Washington, New York
See adv index at end of book

Mailing Cases for Liquids
Round Fibre Cans
Mailing Tubes
Established 1876
UNION PAPER COMPANY
844 Washington St., N. Y. City

Western Box Co., 326 River, Chicago, Ill.

2119— Cases (Miners' Squib)

National Enameling & Stamping Co., 411 5th av, New York

2119a—Cases (Musical Instrument)

Felsberg Alfred L. & Co., 40 Cross, Newark, N. J.
Geib & Schaefer, 1751 N Central Park av, Chicago, Ill.
Leedy Mfg. Co., 1033 E Palmer, Indianapolis, Ind.
Lyon & Healy, 245 S Wabash av, Chicago, Ill.

2120— Cases (Optical)

American Optical Co., Southbridge, Mass.
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons, 364 Fifth av, New York
See adv index at end of book
Farrington Mfg. Co., Bartlett sq, Jamica Plain sta, Boston 30, Mass.
New England Box Co., 104 E. 42nd, New York *See adv index at end of book*

Cases (Packing)

See Packing Boxes

2121— Cases (Pen & Pencil)

BOGERT & HOPPER INC. (Wood Round, Plain, Stained & Polished, Empty & Filled), 57 Barclay, New York
See adv index at end of book
Cross A. T. Pencil Co., 53 Warren, Providence, R. I.
Faber Eberhard Pencil Co., 37 Greenpoint av, Brooklyn, N. Y.

2122— Cases (Piano)

Courtade Jos. N. & Sons, 516 W 24th, New York
Imperial Mfg. Co., Stamford, Conn.
Mullin & Wendt, New Brunswick, N. J.
Paterson Piano Case Co., Paterson, N. J.
Richardson Piano Case Co., Leominster, Mass.
Schwamb Theo. Co., Arlington Heights, Mass.
Smith F. G., 115 B'way, New York
Wellington Piano Case Co., Leominster, Mass.

2123— Cases (Pocket Knife)

Cauter E. A. (Chamois), 204 Church, New York

2124—Cases (Railroad Ticket)

American Railway Supply Co., 134 Charles, New York
National Ticket Case Co., 342 W 35th, Chicago, Ill.

2124a— Cases (Razor)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons (Wood), 364 Fifth av, New York
See adv index at end of book
New England Box Co., 104 E. 42nd, New York *See adv index at end of book*
Witte, Alexis, Cutlery Co. (Leather), 36 Erasmus, B'klyn, N. Y.

2125— Cases (Salesman's)

(Catalog, Brief, Letter, etc)
Canvas Leather Specialty Co., 757 Cass, Trenton, N. J.
KNICKERBOCKER CASE CO., Fulton & Clinton, Chicago, Ill.
Mashek Frank & Co., 1914 Milwaukee, Chicago
Warren Leather Goods Co., Worcester, Mass.

2126— Cases (Sample)

Advance Paper Box Co. (Wood), 2722 Wash., St. Louis, Mo.
See adv index at end of book
Canvas Leather Specialty Co. (Leather), 757 Cass, Trenton, N. J.
Chicago Case Mfg. Co., 213 N Morgan, Chicago, Ill.
Chicago Plush & Leather Case Co. (Jewelry), 110 N. Franklin, Chicago, Ill.
Cummings Josiah & Son ("Hub"), 657 Atlantic av, Boston, Mass.
Fibre Specialty Mfg. Co. ("Hercules" Vulcanized Fibre), Kennnett Square, Pa.
Kamlee Co., 448 E Water, Milwaukee, Wis.
Kennebunk Mfg. Co. (Fibre), Milton, N. H.
KNICKERBOCKER CASE CO., Fulton & Clinton, Chicago, Ill.

KNICKERBOCKER
"Made-Right"
SAMPLE CASES
for every purpose
TRAVELLING BAGS
PORTFOLIOS, Etc.
especially for salesmen
Write for catalog
Knickerbocker Case Co.
225 N. Clinton St., Chicago

Mashek Frank & Co., 1914 Milwaukee av, Chicago, Ill.
Murphy P. C. Trunk Co., 506 N 3rd, St. Louis, Mo.
ROGERS FIBRE CO. ("Leatheroid"), 121 Beach, Boston, Mass.
See adv index at end of book
Schmeers Paper Box Co., Syracuse, N. Y.
Scheider Bros., 30 W Pearl, Cincinnati, O.

2126a—Cases (Screw Cover Mailing)

Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
National Paper Products Co., 528 Battery, San Francisco, Cal.
See adv index at end of book
Union Paper Co., 844 Washington, New York
See adv index at end of book

2127—Cases (Shipping, Corrugated Paper)

Am. Corrugated Paper Products Co., 227-H W 26th, New York
Angelo & Son (Veneered Drums), 98 Bay, San Francisco, Cal.
Gair Robert Co., 350H Madison av, New York
Hummel & Downing Co., N Cambridge & Thomas, avs, Milwaukee, Wis.
Illinois Glass Co. (Wood "Diamond I"), Dept H, Alton, Ill.
Interstate Corrugated Box Co., 75 Front, Brooklyn, N. Y.
Master Incubator Co. (for Baby Chicks), 361 Baldwin, Portland, Ore.
NATIONAL PAPER PRODUCTS CO., ("Kaybee" Waterproof), 528 Battery, San Francisco, Cal.
See adv index at end of book
Paraffin Co.'s, Inc., 475 Brannan, San Francisco, Cal.
Stettler F. C. Mfg. Co., Oregon & Occident, Portland, Ore.
Turner Bros. Co. ("Triangle Brand" & Reshipping Wood), Terre Haute, Ind.

2128—Cases (Shipping, Fibre)

See also Packing Box Mfrs.
Already Box Co., Danville, Ill.
Am. Fibre Package Co. Div. Am. Box Board Co., Grand Rapids, Mich.
American Paper Products Co., 2nd & Bremen av, St. Louis, Mo.
Battle Creek Paper Co. Ltd., Battle Creek, Mich.
Bird & Son ("Neponset"), East Walpole, Mass.
Buffalo Box Factory, Scoville, Buffalo, N. Y.
Canister Co. of New Jersey, Phillipsburg, N. J.
Carthage Board & Paper Co., Carthage, Ind.
City Corrugated Paper Products Co. Inc., 212-224 E 22d, New York
Corrugated Paper Products Co., 221 W 26th, New York
Danbury Square Box Co., Danbury, Conn.
DIAMOND STATE FIBRE CO. (Delivery and shipping cases. Combine great strength with light weight.) Dept. 37, Bridgeport, Pa.
See adv index at end of book
Eagle Corrugated & Fibre Products Corp., 473 President ("Eagle"), Brooklyn, N. Y.
Fibre Container Co. of Pa. (Solid), H. Nixon, Manayunk, Phila., Pa.
Gair Robert Co., 350-H Madison av, New York
Grand Corrugated Paper Co., 128 32d, Brooklyn, N. Y.
Hercules Corrugated Box Corp., Borden & Van Alst avs, Long Island City, N. Y.
Herman Wm. & Co. Inc., 69 Wooster, New York
HINDE & DAUCH PAPER CO. (THE), 253 Water, Sandusky, Ohio
See adv index at end of book

THE HINDE & DAUCH PAPER CO.
Corrugated Fibre Shipping Boxes and Packing Materials
253 Water St., SANDUSKY, OHIO

Hummel & Downing Co., N Cambridge & Thomas avs, Milwaukee, Wis.
Hygrade Corrugated Paper Products Co., 39 W 3rd, New York
Lindley Box & Paper Co., Gas City, Ind.
Mengel Box Co., Louisville, Ky.
Merit Corrugated Paper Products Co., Gates & St. Nicholas av, Brooklyn, N. Y.
MID-WEST BOX CO., 111 W Washington blvd, Chicago, Ill.
NATIONAL PAPER PRODUCTS CO., ("National" Super-Test), 528 Battery, San Francisco, Cal.
See adv index at end of book
Ohio Box Board Co., 1390 E 30th, Cleveland, O.
Paraffin Co.'s, Inc., 475 Brannan, San Francisco, Cal.
River Raisin Paper Co., Monroe, Mich.
Rogers Fibre Co. ("Leatheroid'), 121 Beach, Boston, Mass.
See adv index at end of book
St. Louis Paper Can & Tube Corp'n (Fibre), St. Louis, Mo.
Scharff-Koken Mfg. Co. (For Brooms, etc.), 7900 Michigan, St. Louis, Mo.
Schinzel Geo. P. & Son Inc., 528 W 27th, New York
Sefton Mfg. Corp., 1301 W 35th, Chicago, Ill.
Seneca Fibre Products Co., H Falls, Seneca Falls, N. Y.
Sharlow Bros. Co., 442 W 42nd, New York
Shelton Mfg. Co. Inc., 405 E 4th, New York
Star Corrugated Box Co. Inc., 372 South, New York
Thompson & Norris Co., 212 Concord, Brooklyn, N. Y.
Waldorf Paper Products Co., St. Paul, Minn.

2129— Cases (Shipping, Metal)

Dail Steel Products Co., Lansing, Mich
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Gem Stamped Steel Co., Chelsea, Mass.

2129a—Cases (Shipping, Wood)

BOGERT & HOPPER INC., 57 Barclay, New York *See adv index at end of book*
Cochran Box & Mfg. Co. Inc., Lockport, N. Y.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Illinois Glass Co. ("Diamond I"), Alton, Ill.
Seymour & Peck Co. (Drums), Dept. H, 20th pl & Sangamon, Chicago, Ill.
Turner Bros Co. ("Triangle Brand"), Dept. H, Terre Haute, Ind.
Woolford G. Wood Tank Mfg. Co., 72nd & Woodland, Phila., Pa.
See adv index at end of book

Cases (Shoe Polishing)

See Cases, Blacking

2130— Cases (Steel Bottle)

Defiance Pressed Steel Co., Defiance, O.

Cases (Suit)

See Traveling Bags & Suit Cases

2130a— Cases (Syringe)

BOGERT & HOPPER, INC. (Wood), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
New England Box Co., 104 E 42nd, New York *See adv index at end of book*

Cases (Tire)

See Covers, Tire

2131— Cases (Tool)

Gerstner H. & Sons ("Gerstner"), Dayton, O.
Lorenz Wm. Trunk Wks, Inc. (Fibre), 212 Marquette av, Minneapolis, Minn.
New England Box Co., 104 E. 42nd, New York *See adv index at end of book*
Peck Hardware Mfg. Co. (Metal), Berlin, Wis.
Pilliod Lumber Co. ("Pilliod"), Swanton, ton, O.
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
See adv index at end of book
Wedell & Boers ("W. & B."), 28 Jefferson, Detroit, Mich.
Weydell F. O., 12 S Clinton, Chicago, Ill.

2131a—Cases (Tooth-Brush)

Waterbury Mfg. Co., Division Chase Companies, Inc., Waterbury, Conn.

2132— Cases (Torpedo)

Geuder Paeschke & Frey Co. (& Fuses), 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book

Cases (Transfer)

See Filing, Transfer & Storage Cases

2133-4— Cases (Type)

American Type Founders Co., 200 William, **New York**
Hamilton Mfg. Co., Two Rivers, Wis.
Wesel F. Mfg. Co., 70 Cranberry, Brooklyn, N. Y.

Casings (Gear Shield)

See Gear Cases

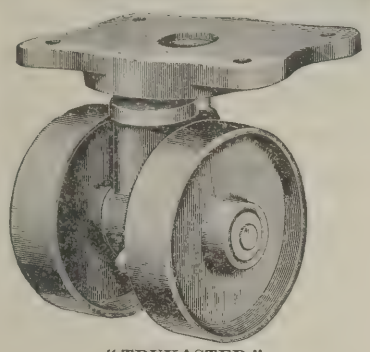
2135-6—Casings (Steam Pipe)

See also Pipe, Wooden
American District Steam Co. ("Standard" Asphaltum Pitch Coated Wood), North Tonawanda, N. Y.
AMERICAN WOOD PIPE CO. (Cedar), Tacoma, Wash.
Armstrong Cork & Insulation Co. (Cork), 24th & A. V. R. R., Pittsburgh, Pa.
Continental Pipe Mfg. Co., Seattle, Wash.
Continental Supply Co., Post Dispatch bldg., St. Louis, Mo.
Greenberg's M. & Son, 225 Beale, San Francisco, Cal.
Larkin J. K. & Co., 253 Bway, New York
See adv index at end of book
Michigan Pipe Co. (Tin Lined Wood for Insulating Underground Steam & Hot Water Heating Pipes), Bay City, Mich.
Pacific Tank & Pipe Co., 320 Market, San Francisco, Cal.
Republic Iron & Steel Co., Houston, Texas
Republic Supply Co. (Jobbers), 133 Water, Pittsburgh, Pa.
Walworth Mfg. Co., 325 Pearl, Boston, Mass.
Wheeling Steel Corp., Wheeling, W. Va.

2137— Casseroles

Cleveland Stamping & Tool Co., E 53rd & Hamilton, Cleveland, O.
Coors Porcelain Co., Dept. H, Golden, Colo.
Durion Castings Co. (Acid Proof), Dayton, O.

CASTERS—Strong, Durable, Economical



"TRUKASTER"

Get more and better service from your trucks by equipping them with Hamilton Casters—the strongest, smoothest running and longest wearing casters on the market.

Kwality Kasters (single wheel) made in wheel diameters from 2¼" to 12" and in weights of from 2¼ to 82½ lbs. each. Strong, durable, easy swiveling, single wheel caster, steel machined roller bearings with spacer.

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Farber, S. W., 147 S 5th, Brooklyn, N. Y.
Landers, Frary & Clark ("Universal" China & Pottery Lined), New Britain, Conn.
Limoges China Co., Sebring, O.
Manning-Bowman & Co., Meriden, Conn.
Ohio Pottery Co. (Porcelain), Zanesville, O.
Prisk, Wm. M. & Sons Mfg. Co., Yalesville, Conn.
Roseville Pottery Co., Zanesville, O.
Sweeney W. H., Mfg. Co., 30 Main, Brooklyn, N. Y.
Thermal Syndicate, Ltd., 58 Schenectady av, New York
Wagner Mfg. Co. ("Wagner Ware" Cast Aluminum), Sidney, Ohio

Cast Iron Filler

See Cements, Iron & Steel Filler

2138—Cast Iron Pipe (High Pressure)

Boyts Porter & Co., Dept. H, Connellsville, Pa.
Coldwell-Wilcox Co. (For Steam or Water), Newburgh, N. Y.
Farrar & Trefts, Inc., Buffalo, N. Y.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Russel Wheel & Foundry Co. (Special), Chene & Bl. R. R., Detroit, Mich.
WOOD R. D. & CO. (for Fire Protection), 400 Chestnut, Phila., Pa.

2139—Cast Iron Pipe Mfrs. (Gas & Water)

Alabama Pipe & Foundry Co., Anniston, Ala.
American Car & Foundry Co. (3 to 42 inches), Syndicate Trust bldg., St. Louis, Mo.
Am. Cast Iron Pipe Co. (Hub & Spigot Flange Pipe & Fittings), Birmingham, Ala.
American Casting Co., ("National" Lock Joint), Birmingham, Ala.
Builders' Iron Foundry ("Globe Specials," Also Fittings of All Kinds for Same), 9 Codding, Providence, R. I.
Camden Iron Works, Camden, N. J.
Central Foundry Co. ("Universal"), 41 E. 42nd, New York
Clow James B. & Sons (2 to 48-inch), Franklin & Harrison, Chicago, Ill.
Colonial Supply Co. (Jobbers), 414 1st av, Pittsburgh, Pa.
See adv index at end of book
Colorado Fuel & Iron Co. (3 to 20-inch), Denver, Col.
Donaldson Iron Co. (2 to 36 inches), Emaus, Pa.
Fisher C. W., 52H Bway, New York
Fox Jno. & Co. (Mfrs. Agts.), 233 B'way, New York
Fuller Iron Works (Cast Iron Flange & Socket Pipe), 40 Tockwotton, Providence, R. I.
Glamorgan Pipe & Foundry Co. (1½ to 36-inch), Lynchburg, Va.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Lynchburg Foundry Co., Lynchburg, Va.
McMann & Taylor Co., 104 John, New York *See adv index at end of book*
Nason Mfg. Co. (Jobbers), 71 Fulton, New York
See adv index at end of book
National Cast Iron Pipe Co. ("A. H. H. A." Water), Dept. H, Birmingham, Ala.
Oregon Iron & Steel Co. (4 to 32-inch), Porter bldg, Portland, Ore. Works: Oswego, Ore.
Russel Wheel & Foundry Co. (High Pressure Water, Specials), Chene & Bl. R. R., Detroit, Mich.
Standard Cast Iron Pipe & Foundry Co., Bristol, Pa.
Superior Pipe Co., Bessemer, Ala.
U. S. Cast Iron Pipe & Foundry Co. (Gas & Water, Sewer & Culvert, 2 to 84 inches), Burlington, N. J.
Warren Fdry. & Pipe Co. (3-60 inch), 11 Broadway, New York
WOOD R. D. & CO. (1-72 inch), 400 Chestnut, Phila., Pa.

2140—Cast Iron Soil Pipe & Fittings Mfrs.

For Jobbers of These Goods, See Plumbers' Supplies, Jobbers

Alabama Pipe & Foundry Co., Anniston, Ala.
Anniston Foundry Co., Anniston, Ala.
Bessemer Soil Pipe Wks., Bessemer, Ala.
Casey-Hedges Co., Chattanooga, Tenn.
Central Foundry Co. ("Led Lok," all sizes), 41 E. 42nd, New York
Charlotte Pipe & Foundry Co., Charlotte, N. C.
Clow Jas. B. & Sons (Hub & Spigot, Flanged & Threaded), 534 S. Franklin, Chicago, Ill.
Columbus Foundry Co. (Iron), Columbus, Ga.
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Crown Pipe & Foundry Co. (Up to 8 inches), Jackson, O.
Davis Pipe & Fittings Co., Birmingham, Ala.
Essex Foundry, Murray, Newark, N. J.
Gadsden Pipe Co., Gadsden, Ala.
Glenn Mfg. Co. (Extra Heavy & Standard Pipe & Complete Line of Fittings), St. Charles, Ill.
Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
Hallman Oliver F., Mont Clare, Pa.
Hess & Sackett, Inc., 601 W. Belgrave av, Huntington Park, Cal.
Higgins J. C. Mfg. Co. (Fittings Only), 2228 Kutner blvd, San Diego, Cal.
Johnson J. D. Co. (2 to 15 ft.), 68 Charlton, New York
Keystone Iron & Steel Wks. ("Bennett"), 37th & Santa Fe av, Los Angeles, Cal.
Krupp Foundry Co. (Pipe Soil & Fittings Cast), Landsdale, Pa.
Larkin J. K. & Co., 253 Bway, New York
See adv index at end of book
Lynchburg Foundry Co., Lynchburg, Va.
McMann & Taylor Co., 104 John, New York
See adv index at end of book
McWane Cast Iron Pipe Co., Birmingham, Ala.
Medina Foundry Co., Medina, N. Y.
Medina Iron & Brass Co., East av at R.R., Medina, N. Y.
Mott J. L. Iron Works, Trenton, N. J.
National Cast Iron Pipe Co., Dept. H, Birmingham, Ala.
National Foundry Co. (2 to 10-inch), 10 Sanford, Brooklyn, N. Y.
National Pipe & Fdry Co., Attalla, Ala.
Nelson N. O. Mfg. Co., 10th & Chestnut, St. Louis, Mo.
Pidgeon-Thomas Iron Co., Memphis, Tenn.
Reading Foundry & Supply Co., Reading, Pa.
Sanitary Co., Widener bldg, Phila., Pa.
Somerville Iron Works, Somerville, N. J.
South Pittsburg Foundry Co., S Pittsburg, Tenn.
Southern Pipe & Foundry Co., Birmingham, Ala.
Standard Foundry Co., Anniston, Ala.
Superior Pipe Co., Bessemer, Ala.
Union Foundry Co. ("U. F. Co."), Fitchburg, Mass.
Union Sanitary Mfg. Co., Noblesville, Ind.
Weiskittel A. & Son Co. ("Diamond"), 12th & E Lombard, Baltimore, Md.
Wetter H. Mfg. Co., Memphis, Tenn. Works: South Pittsburg, Tenn.

2141— *Cast Iron Washers

Larkin & Co. J. K., 253 Broadway, New York
See adv index at end of book

J. K. LARKIN & CO.

253 Broadway
NEW YORK

2141a—Casters (Bed & Furniture)

A. B. Stove Co., Battle Creek, Mich.
American Caster Co. (Anti Friction Double Ball & Conical Bearing), Hamilton, Ohio
Armstrong Truck Co. (Ball Bearing & Friction Swivel), North Wales, Pa.
Bassick Co. ("Feltoid"), 38 Austin, Bridgeport, Conn.
Buffalo Pulley & Caster Co., Inc. (weather Tread Furniture & Hospital Beds), 182 Breckenridge, Buffalo, N. Y.
Clark Geo. P. Co., Windsor Locks, Conn.
Coleman Hdwe. Co. (Furniture Only), 952 N. Michigan av, Chicago, Il.
COLSON CO. (THE), Elyria, Ohio
See adv index at end of book
Delaware Hard Fibre Co. (Fibre Rollers Only), Wilmington, Del.
See adv index at end of book
Drake Lock Nut Co. ("Glider," "Drake"), Folsom at 10th, San Francisco, Cal.
Faultless Caster Co. ("Faultless," "Bull Dog," "New Idea" Noisless Wheel, Fibre Wheel, Glass Insulating, etc), 1521 N Garvin, Evansville, Ind.
Foster, Merriam & Co. ("Victor," "Efemco"), Meriden, Conn.
G. G. G. Metal Stamping Co. ("Roll-E-Z"), Warren, Pa.
HAMILTON CASTER & MFG. CO. THE ("Trukaster," "Kwality Kaster," "Non Cloggable," "Thread Guard," "Run Rite," "Hamilton"), 1635 Dixie highway, Hamilton, Ohio
See adv index at end of book
Jarvis & Jarvis, Palmer, Mass.
Keystone Friction Hinge Co. ("20th Century" Neck Grip Non-Ball Bearing for Furniture), Williamsport, Pa.
Parker Charles Co. (Piano), Meriden, Conn
Payson Mfg. Co. ("Payson" Anti-Friction Furniture), 2918 W Jackson blvd, Chicago, Ill.
Pennsylvania Stamping Co., York, Pa.
Sargent & Co., New Haven, Conn.
Schatz Mfg. Co. ("Acme" Ball Bearing), Poughkeepsie, N. Y.
Schriver O. P. & Co. (Anti-Friction, "Hercules," "I X L"), 621 E Pearl, Cincinnati, O.
Tucker & Dorsey Mfg. Co. ("Martin," "Tucker," "Boss" & "Stengel"), Indianapolis, Ind.
WATERBURY BUTTON CORP. (6 Point Gliders), 831 South Main, Waterbury, Conn.
See adv index at end of book
Wilcor Mfg. Co., 4824 West Lake, Chicago, Ill.
Wrightsville Hardware Co. (Bed), Wrightsville, Pa.

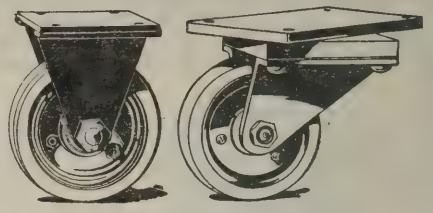
2142— Casters (Plate Mill)

American Caster Co., Hamilton, Ohio
Treadwell Engineering Co., Easton, Pa.
See adv index at end of book
Wrightsville Hardware Co. (Wood & Iron Wheels), Wrightsville, Pa.

Quiet COLSON Casters

LIGHT AND MEDIUM BALL BEARING CASTERS
RUBBER OR ALLOY TIRES
HEAVY DUTY BALL BEARING CASTERS
CASTER DROP FORGED





There is a Colson Caster for every use in every place

The COLSON Company, Elyria, Ohio

Warehouse Stocks in All Principal Cities. See Address and Local Distributors' Section.

Casters (Piano)

See Casters, Bed & Furniture

Casters (Sliding)

See Shoes, Sliding Furniture

2143—Casters (Stove & Truck)

Adams Co. ("Adams" Stove), Dubuque, Ia.
Armstrong Truck Co., North Wales, Pa.
Arnold & Co., Norwalk, Conn.
Bond Foundry & Machine Co. (Truck), Penn st, Manheim, Pa.
Bostick Stove Co. ("Bostick" Anti-Friction), Lapeer, Mich.
Buffalo Pulley & Caster Co., Inc. (Leather Tread Truck), 182 Breckenridge, Buffalo, N. Y.
Chicago Hardware Foundry Co. ("Harper Handy"), North Chicago, Ill.
Clark Geo. P. Co., Windsor Locks, Conn.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
COLSON CO. (THE), Elyria, Ohio
See adv index at end of book
DELAWARE HARD FIBRE CO. (Fibre Rollers Only), Wilmington, Del.
See adv index at end of book
Divine Bros. Co. (Cushioned Truck Only), Utica, N. Y.
Elkhart Hardware Mfg. Co. (Anti-Friction), Elkhart, Ind.
Equipment Mfg. Co. (Truck), Leader-News bldg, Cleveland, Ohio
Fairbanks Co. (Dirs., Plain & Ball Bearings), 416 Broome, New York
Foster, Merriam & Co. ("Victor," "Efemco"), Meriden Conn.
Francis Chas. E. Rushville Ind.
HAMILTON CASTER & MFG. CO. THE ("Trukaster," "Kwality Kaster," "Non Cloggable," "Thread Guard," "Run Rite," "Hamilton," "Economic"), 1635 Dixie highway, Hamilton, O.
See adv index at end of book
Jarvis & Jarvis, Palmer, Mass.
Kilbourne & Jacobs Mfg. Co., Columbus, Ohio
Lakewood Engineering Co. Cleveland, O.
Lansing Co., Lansing, Mich.
Morris Truck & Wheel Co., Inc. ("Morris" Ball Bearing Swivel & Improved Oil Cup), 760 S. 42nd, Phila., Pa.
Mullins Body Corp., Dept. H., Salem, Ohio
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
Payson Mfg. Co. (Anti-Friction Truck), 2918 W Jackson blvd, Chicago, Ill.
Reading Hdwe, Co. (Truck Only), Reading, Pa.
Sargent & Co., New Haven, Conn.
Schriver O. P. & Co. ("Hercules"), 621 E Pearl, Cincinnati, O.
Service Caster & Truck Co. ("Service" Ball Bearing Truck), 2533 Southwest blvd, Kansas City, Mo.
Stearns E. C. & Co., 450 Oneida, Syracuse N. Y.
STERLING WHEELBARROW CO. (Stem & Plate Type), Milwaukee, Wis.
See adv index at end of book
Tucker & Dorsey Mfg. Co. ("Tucker"), Indianapolis, Ind.
Union Steel Products Co., Ltd. (Truck), Albion, Mich.
Wilcor Mfg. Co., 4824 West Lake, Chicago, Ill.
ZERING H. MFG. CO. (Truck & "Double Race" Ball Bearing), B. & O. Ry. & Hickory, Oakley, Cincinnati, Ohio
See adv index at end of book

2143a—Casters (Veneer Press)

Elmes Chas. F. Engineering Works, Cor. Fulton & Sangamon, Chicago, Ill.
See adv index at end of book

2144—Casters (Washing Machine)

Bond Foundry & Machine Co., Manheim, Pa.
Bassick Co., 38 Austin, Bridgeport, Conn.
Colson Co. (The), Elyria, Ohio
See adv index at end of book
Faultless Caster Co., 1521 N Garvin, Evansville, Ind.
Foster, Merriam & Co. ("Efemco"), Meriden, Conn.
Payson Mfg. Co., 2918 W Jackson blvd, Chicago, Ill.
Service Caster & Truck Co. ("Service"), 2533 Southwest blvd, Kansas City, Mo.

2145—Castings (Acid Resisting)

American Abrasive Metals Co. ("Plumbalun"), 50 Church, New York
Am. Manganese Bronze Co., 3501 Rhawn, Phila., Pa.
Bethlehem Steel Co., Bethlehem, Pa.
Brown Bros., 46-48 Garden, Stamford, Conn.
See adv index at end of book
BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Cramp Wm. & Sons Ship & Engine Bldg. Co. ("Superstrength"), Richmond & Norris, Phila., Pa.
Davis Sewing Machine Co., 131 S Ludlow, Dayton, O.
Devine J. P. Co., Buffalo, N. Y.
Driver-Harris Co., Harrison, N. J.
See adv index at end of book
Duriron Castings Co., Dayton, O.
Elyria Brass & Bronze Fdry Co., Dept. H, Walnut & B. O. R.R., Elyria, O.
Fuller Lehigh Co. (Up to 50 Tons), Fullerton, Pa. *See adv index at end of book*
Harsch John Bronze & Foundry Co., Madison av., Cleveland, O.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Ideal Foundry & Machinery Co., 114 7th av, Beaver Falls, Pa.
Kutztown Foundry & Machine Co., 1421 Chestnut, Phila., Pa.
Lumen Bearing Co., 200 Lathrop Buffalo, N. Y. *See adv index at end of book*
MANNING, MAXWELL & MOORE, INC., 100 E. 42nd, New York
See adv index at end of book
Mecklenburg Iron Wks., 510-H W Trade, Charlotte, N. C.
Morgan Engineering Co., Alliance, O.
Oakland Copper & Brass Wks., Dept. H, 7th & Kirkham, Oakland.
Pacific Foundry Co. ("Corrosiron"), 18th & Harrison, San Francisco, Cal.
Pioneer Alloy Products Co, Inc, 16601 Euclid av, Cleveland, O.
PRIER CO. WALTER H., 230 E Ohio, Chicago
See adv index at end of book
PULASKI FOUNDRY & MFG. CORP., 2424 Euclid av, Cleveland, Ohio
See adv index at end of book

2146—Castings (Air Furnace)

American Foundry & Construction Co., 2d av, & Longworth, Pittsburgh, Pa.
Bethlehem Steel Co., Bethlehem, Pa.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Bonney-Floyd Co. (Open-Hearth, Converter & Electric Steel), Columbus, O.
Buffalo Foundry & Machine Co. (Metal), 65 Winchester av, Buffalo. N. Y.
See adv index at end of book
Chambersburg Engineering Co. (Up to 100 tons), Chambersburg, Pa.
Fuller-Lehigh Co. (Up to 50 tons), Fullerton, Pa.
See adv index at end of book
Hubbard Steel Foundry Co., East Chicago, Ind.
Hunt-Spiller Mfg. Corp. (Gun Iron), 383 Dorchester, av, Boston, Mass.
Hyde Park Foundry & Machine Co., Hyde Park, Pa.
Lakeside Malleable Castings Co. (Malleable Iron), Racine, Wis.
Maumee Malleable Castings Co. (Malleable Iron), Toledo, O.
Mesta Machine Co. (Iron), Box 1124, Pittsburgh, Pa.
See adv index at end of book

Mesta Machine Company
Pittsburgh, Pa., U. S. A.

Morgan Engineering Co., Alliance, O.
National Roll & Foundry Co. (Heavy), Avonmore, Pa.
Phila. Roll & Machine Co., 52d & Grays av, Phila., Pa.
Reading Iron Co., Reading, Pa.
Rockford Malleable Iron Works (Refined), Rockford, Ill.
Syracuse Malleable Iron Works (Malleable Iron), Syracuse, N. Y.
Wisconsin Malleable Iron Co., South Bay, Milwaukee, Wis.
Youngstown Foundry & Machine Co., Youngstown, O.

2146a—Castings (Alloy, Aluminum, White Metal)

Franklin Die-Casting Corp., Gifford & Magnolia, Syracuse, N. Y.
See adv index at end of book

2147— Castings (Aluminum)

A Brass Foundry, 2052 E Vernon av, Los Angeles, Cal.
Alameda Aluminum Foundry, 2417 Clement av, Alameda, Cal.
Albany Steam Trap Co, Albany, N. Y.
Aluminum Castings Co., 1700 N Spring, Los Angeles, Cal.
Aluminum Company of America, 2301 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book
Aluminum Die Casting Corp., Garwood, N. Y.
Aluminum Goods Mfg. Co., Manitowoc. Wis.
Aluminum Mfrs. Inc. ("Lynite"), 2810 Harvard av, Cleveland, O.
Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
American Abrasive Metals Co. ("Alumalun"), 50 Church, New York
American Brass & Iron Co., 6425 Crystal, Detroit, Mich.
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Safety Lamp & Mine Supply Co., 1327 Capouse av, Scranton, Pa.
Anderson A. H., 218 Ann, Chicago, Ill.
Artistic Bronze Co., 2050-H Fairfield, Bridgeport, Conn.
ASHLAND BRASS FOUNDRY, Ashland, Ohio
Atlantic Chain Corp., 73 Marion, Long Island City, N. Y.
Atlas Brass Foundry, Inc., 1901 Santa Fe av, Los Angeles, Cal.
Atlas Brass Foundry Co., 980 Park, Columbus, Ohio
Atlas Brass Works, 612 Bryant, San Francisco, Cal.
Augustine Brass Foundry, 1137 S Pilgrim, Stockton, Cal.
Axford & De Shields, Chestnut & University, San Jose, Cal.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Bair Bros., Bair, Pa.
BARKAY CO., INC., 24 Institute, Jamestown, N. Y.
Bethlehem Steel Co., Bethlehem, Pa.
Bohn Chas. B. Foundry Co., 3651 Hart av, Detroit, Mich.
Bosworth-Ard Machine & Foundry Co., Anniston, Ala.
BRASS FOUNDRY CO., 700 McAdams, Peoria, Ill.

Aluminum Castings
of the better grade

We cater to production work. References furnished as to our ability to handle your work.

Better castings for less money

BRASS FOUNDRY COMPANY
700 McAdams Street, Peoria, Illinois
Capacity 2½ million pounds

Bridgeport Deoxidized Bronze & Metal Co., 455 Istn av, Bridgeport, Conn.
Briggs Shaffner Co., Dept. H, Winston-Salem, N. C.
BROWN BROS., 46-48 Garden, Stamford, Conn.
See adv index at end of book
Buckeye Iron & Brass Works, 322 East 3rd, Dayton, Ohio
See adv index at end of book
Buckeye Jack Mfg. Co. (Automotive & Railroad), Alliance, Ohio
Buffalo Bronze Die Cast Corp., 100 Arthur, Buffalo, N. Y.
Cadman A. W. Mfg. Co., 2816 Smallman, Pittsburgh, Pa.
California Auto Supply Co. Inc., 632 Mateo, Los Angeles, Cal.
Capital Brass Fdry ("Capital"), Salt Lake City, Utah
Capital Brass Works, 596 Franklin, Detroit, Mich.

Central Specialty Co., 1651 St. Aubin, Detroit, Mich.
Century Brass Wks., Inc., 900 N. Illinois, Belleville, Ill.
Champion Brass Works, Coldwater, Mich.
Chicago Hardware Foundry Co., North Chicago, Ill.
Chicago Malleable Castings Co., 120th & Racine av, Chicago, Ill.
City Brass Foundry Co., 5318 St. Clair av, Cleveland, O.
Clark D. W. & Co., 529 Second, Boston, Mass.
Clark Foundry Co., Rumford, Me.
Clarksville Foundry & Machine Works, Clarksville, Tenn.
Clayton & Lambert Mfg. Co., 10565 Knodell av, Detroit, Mich.
Cleveland Aluminum Casting Co., 905 Addison rd, Cleveland, O.
Colonial Fireplace Co., 4631 W 12th St., Chicago, Ill.
Commutator Co., 131 N. First, Minneapolis, Minn.
Covington Machine Co. (up to 1,000 lbs.), Lexington, Covington, Va.
Cramp Wm. & Sons, Ship & Engine Bldg Co. ("Superstrength"), Richmond & Norris, Phila, Pa.
Crown Brass Mfg. Co., Santa Fe av at E 15th, Los Angeles, Cal.
Dake Engine Co., Grand Haven, Mich.
De Sanno Mfg Co., 1853 38th av., Oakland, Cal.
Detroit Foundry Co., Grand blvd, Detroit, Mich.
Detroit Motor Castings Co., 1067 Beaufait, Detroit, Mich.
Detroit Shipbuilding Co. (Brass Dept), ft Orleans, Detroit, Mich.
Detroit Torch & Mfg. Co., 12057 Cardoni av, Detroit, Mich.
Devlin Thos. Mfg Co., 3rd & Lehigh av, Phila, Pa.
Dick Bros., 3rd & Buttonwood, Reading, Pa.
Dixie Brass & Foundry Co., Birmingham, Ala.
Dorchester Brass & Aluminum Fdry., Dept. H, Hyde Park, Mass.
Dow L. B. Inc., Keene, N. H.
Eastwood Wire Mfg. Co. (¼ oz to 20,000 lbs), Belleville, N. J.
Elevator Supplies Co., Hoboken, N. J.
Ellison Brass Mfg. Co., Jamestown, N. Y.
Elyria Brass & Bronze Fdry Co., Dept. H, Walnut & B. O. R.R., Elyria, O.
Enterprise Brass Works, Muskegon, Mich.
Enterprise Foundry Co., 2902-4 19th, San Francisco, Cal.
Erie Bronze Co., 353 W. 19th, Erie, Pa.
Eureka Co., North East, Pa.
Everhart Brass Works, Scranton, Pa.
Exeter Brass Works, Exeter, N. H.
Exeter Machine Works (Rough or Finished), Commercial Trust bldg, Phila., Pa.
Fallon Thos. F. & Co., Lawrence, Mass.
Faries Mfg. Co., Decatur, Ill.
Federal Brass Foundry Co., 5332 Santa Fe av, Los Angeles, Cal.
Federal Brass Works, 3100 S Kedzie, Chicago, Ill.
Federal Signal Co., Albany, N. Y.
Fischer-Sweeney Bronze Co., Hoboken, N. J.
Fraim E. T. Lock Co., 237 Park av, Lancaster, Pa.
FRANKLIN DIE CASTING CORP., Gifford & Magnolia, Syracuse, N. Y.
See adv index at end of book
Fredericksen Co., Saginaw, Mich.
Gallison F. L., Lawrence, Mass.
General Aluminum & Brass Mfg. Co. ("Ring True"), 2512 E. Grand blvd, Detroit, Mich.
General Railway Signal Co., Rochester, N. Y.
Gilbert A. & Sons Brass Foundry Co., 4019 Forest Park blvd, St. Louis, Mo.
Goldsmith C. A., 270 Thomas, Newark, N. J.
Graham James & Co., New Haven, Conn.
Great Lakes Brass Foundry, Bay City, Mich.
Greenville Iron Works, Greenville, S. C.
Hackett Brass Foundry, 242 Lillibridge, Detroit, Mich.
Hagerstown Foundry & Machine Co., Hagerstown, Md.
Haldeman & Son, Wrightsville, Pa.
Hall Printing Press Co., Dunellen, N. J.
Halstead & Co., 1129 Cherry, Phila., Pa.
Hampden Brass Co., Springfield, Mass.
Hancock Mfg. Co., Charlotte, Mich.
Hansen & Olson Co., 506 S Green, Chicago, Ill.
Harsch John Bronze & Foundry Co, Madison av, Cleveland, Ohio
Hastings Foundry & Iron Works, Hastings, Neb.
Hercules Float Works, 200 Franklin, Springfield, Mass.
Hess & Sackett, Inc., 601 W. Belgrave av, Huntington Park, Cal.
Hewitt John, East Newark, N. J.
Higgins & Co., Holyoke, Mass.
Highton Wm. & Sons Co., Nashua, N. H.
Hill Pump Valve Co., 4601 Belmont av, Chicago, Ill.
Hills McCanna Co, 2025 Elston av, Chicago, Ill.
Hines Pattern & Mfg. Co. (Pattern Castings), 10108 Detroit, Cleveland, O.
Hoban Brass Fdry. Co., Dayton, O.
Hoffman Bronze & Aluminum Castings Co., 1000 Addison rd, Cleveland, O.
Holmes Bronze Foundry Co., Bedford, Ohio
Holmes E. J. & Son, W State, Ithaca, N. Y.
Hough Chas. N. Mfg. Co., Franklin, Pa.
Hoyt Metal Co., Boatmans Bank bldg, St. Louis, Mo.
Hubley Mfg. Co., Lancaster, Pa.
Hughes Bros., Scranton, Pa.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Ideal Bronze Co., 1265 E 55th, Cleveland, O.
Ideal-Die Casting Co., 756 Eddy, Providence, R. I.
Ideal Foundry & Machinery Co., 114 7th av, Beaver Falls, Pa.
Imperial Brass Mfg. Co., 1200 W Harrison, **Chicago, Ill.**
International Permold Corporation (Permanent Mold), 6800 Grant av, Cleveland, Ohio
Jackson Brass Foundry Co., Jackson, Mich.
Jenkins Mfg. Co., Bloomfield, N. J.
Johnson Bronze Co., New Castle, Pa.
Jones Jas. Co., Los Angeles, Cal.
K. & M. Brass & Aluminum Castings Co., Harwood & E 103th, Cleveland, O.
Keystone Bronze Co. (High Grade), 39th & **A. V. R. R., Pittsburgh, Pa.**
Kingman Mfg. Co., 2201 S. Main, Los Angeles, Cal.
Knowles Fdry. & Mach. Co., Ottawa, Ill.
Laclede Brass Wks., 307 Cedar, St. Louis, Mo.
Lakey Foundry & Machine Co, Muskegon, Mich.
Lambertville Iron & Steel Co., Lambertville, N. J.
Laurel Machine & Foundry Co., Laurel, Miss.
Lebanon Brass Works, Lebanon, Pa.
Lee Bros. Foundry Co., Dept. H, Anniston, Ala.
Leetsdale Fdry. & Mfg. Co., Leetsdale, Pa.
Leslie Co. (Bronze), Lyndhurst, N. J.
Levett Walker M. Co., 417 E 23rd, New York
Liberty Brass & Bronze Foundry, 248 Tehama, San Francisco, Cal.
Liberty Brass Works, 305 W Lombard, Baltimore, Md.
Light Mfg. & Foundry Co. ("Automobile"), Pottstown, Pa.
Lilly Bros. Foundry, 2268 E 15th, Los Angeles, Cal.
Lima Brass Foundry, Lima, O.
Livermore Homer F., Inc., 85 Pearl, Boston, Mass.
Long Bros., Kokomo, Ind.
Lough Bros, 90 West, New York
Lovell F. H. & Co., Arlington, N. J.
McCafferty J. H. Co., 434 Harrison av, Boston, Mass.
McGee Jos. Iron & Brass Fdry. Co., 51 6th, Long Island City, N. Y.
Machsts. Foundry Co., Muncie, Ind.
Magnis Co., Inc., 860 N Main, Los Angeles, Cal.
Maryland Brass & Metal Works, Calvert & Federal, Baltimore, Md.
Matthews Foundry Co., 2228 Railroad av, Fresno, Cal.
Mechanics' Foundry & Machine Co., Fall River, Mass.
Messmer Fred Mfg. Co., 2700 S 7th, St. Louis, Mo.
METAL & ALLOY SPECIALTIES CO. INC., 1875 Elmwood av, Buffalo, N. Y.
Metal & Alloy Specialties Co. Inc., 25 Illinois, Buffalo, N. Y.
Michael's Art Bronze Co., Covington, Ky.
Midland Brass Works, Fort Worth, Tex.
Miller J. Walter Co., Lancaster, Pa.
Mills Wm. A Brass Co., Port Chester, N. Y.
Moak Mach. & Tool Co., Port Huron, Mich.
Monumental Bronze Co., Bridgeport, Conn.
Moran Flexible Steam Joint Co., Louisville, Ky.
More-Jones Brass & Metal Co., B'way & Dock, St. Louis, Mo.
Mosher J. R., Greene. N. Y.
Mt. Carmel Mfg. Co., 2994 Whitney av, Dept. H, Mt. Carmel, Conn.
MT. VERNON DIE CASTING CORP., (Die Cast), Mt. Vernon, N. Y.
See adv index at end of book
Mousley's Chas. Sons, 457 N 12th, Phila., Pa.
Muskegon Aluminum Foundry Co., Muskegon, Mich.
National Aluminum Co., Racine, Wis.
National Art Bronze Wks Co., Pope & Carrie avs, St. Louis, Mo.
National Brass Mfg. Co. (Large or Small), Rochester, N. Y.
National Brass Works, Inc., 2140 E 25th, Los Angeles, Cal.
National Bronze & Aluminum Foundry Co., Dept. H, E 88th & Laisy, Cleveland, O.
Ne Page McKenny Co., Armour bldg, Seattle, Wash.
Neenah Brass Works, Neenah, Wis.
New England Brass Foundry, 344H Park av, Worcester, Mass.
Newell Fred E., Central Falls, R. I.
North American Smelting Co., 9th & Thompson, Phila., Pa.
North Star Spinning & Mfg. Co., St. Paul, Minn.
North West Foundries, Inc., Rochester, N. Y.
Northwestern Brass Fdy. Co., 369 Grand av, Portland, Ore.
Norwalk Foundry Co., Norwalk, O.
Oberdorfer M. L. Brass Co., 810 E Water, Syracuse, N. Y.
Onondaga Brass Co., Syracuse, N. Y.
Osborn Machine Co., Dubois, Pa.
Owren Casting Co., Attleboro, Mass.
Oxford & De Shields, Chestnut & University, San Jose, Cal.
Pacific Brass & Bronze Foundry, 528 Folsom, San Francisco, Cal.
Parsons Co., Newton, Ia.
Penn Brass & Bronze Works, 111 Dobbin, Brooklyn, N. Y.
Perfection Auto Parts Co., 410 Lakeside av, Cleveland, O.
Permold Co. The (Permanent Mold Castings), 6800 Grant av, Cleveland, O.
Peru Brass & Mfg. Co., Peru, Ind.
Pettis, W. W. Co., 416-417 1st Natl Bank bldg., Cincinnati, O.
Philadelphia Hardware & Malleable Iron Works, 9th & Jefferson, Phila., Pa.
Pioneer Brass Works, 1102 E 23rd, Indianapolis, Ind.
Pittsburgh Brass Mfg. Co., Penn & 32nd, Pittsburgh, Pa.
PRECISION CASTINGS CO. INC., Syracuse, N. Y.
Price Bros,. Frederick, Md.
Prier Brass Mfg. Co., 15th & Blue River, Kansas City, Mo.
Providence Brass & Aluminum Foundry (1 Grain to 1000 Pounds; also Aluminum Bronze), 460 Eddy, Providence, R. I.
Racine Aluminum & Brass Foundry, Racine, Wis.
Racine Brass & Iron Co., Racine, Wis.
Rath Aluminum & Brass Foundry Co., New Philadelphia, Pa.
Reading Brass Works, Reading, Pa.
Reeves Paul S. & Co., 1415 Catharine, Phila., Pa.
Rempis & Gallmeyer Foundry Co., Grand Rapids, Mich.
Republic Brass & Mfg. Co., 1931 Violet, Los Angeles, Cal.
REPUBLIC DIE CASTING CO., 128A Mott, New York
Richardson Edro Brass Co., 318 N Holliday, Baltimore, Md.
Rider-Bagg Co., Springfield, Mass.
Rock Island Metal Foundry, 505 41st, Rock Island, Ill.
Rogers C. E. Brass Foundry, 644 Plympton, Boston, Mass.
Roper Geo. D. Corp., 707 S. Main, Rockford, Ill.
Ruggles Machine Co., Poultney, Vt.
Russell Foundry & Machine Works, 51 6th, Long Island City, N. Y.
Rutember Motor Co., Marion, Ind.
Ryder Brass Foundry Co., Bucyrus, O.
Saint Cloud Iron Works Co., St. Cloua Minn.
San Diego Machine Co., San Diego, Cal.
Saturn Fdry. & Mach. Co., Wheeling, W. Va.
Sayre Stamping Co. (High Grade), Sayre, Pa.
Shoen-Jackson Co., Water & Mifflin, Phila., Pa.
Sharp J. C. Brass Works, 20th & Chestnut, Chattanooga, Tenn.
Shave Furnace & Water Appliance Co., W Warren av & S Delaware, Denver, Colo.
Sheeler-Hemsher Co., 811 Fairmont av, Phila,, Pa.
Sherwood Brass Wks., 6331 Jefferson E., Detroit, Mich.
Shoop Bronze Co.. Tarentum, Pa.
Silver Aluminum Metal Co., 294 Taaffe pl, B'klyn, N. Y.
Simplex Engineering Co., W. Bancroft & Sylvan av, Toledo, Ohio
Smith & Johnson Mfg. Co., 2031 Elm, Cincinnati, Ohio
Southern Brass Mfg. & Plating Co., Houston, Tex.
Southern Electro Steel Co., Lynchburg, Va.
Spangler Chas., 102 S 3rd, Allentown, Pa.
SPRINGFIELD ALUMINUM PLATE & CASTINGS CO., Springfield, Ohio
Springfield Brass Co., Springfield, O.
Standard Brass Casting Co., Dept. H, 3d & Jefferson, Oakland, Cal.
Standard Brass Foundry Co., 990 E 67th, Cleveland, O.
Stanley Bronze Co., 85 Holland av, Bridgeport, Conn.
Sterling Machine & Stamping Co., Wellington, O.
Sumner Iron Wks., Everett, Wash.
SUPERIOR BRASS MFG. CO. (THE), 98 Wayne, Mansfield, Ohio
See adv index at end of book

Aluminum Castings
ROUGH AND MACHINED
ALSO BRASS AND BRONZE
CASTINGS AND PARTS
THE SUPERIOR BRASS MFG. CO.
98 Wayne St. Mansfield, Ohio

Superior Bronze Co., Erie, Pa.
T. & B. Brass Foundry Co., Tacoma, Wash.
Textile Machine Works, Reading, Pa.
Thiery & Kendrick Mfg. Co., 2724 Franklin, Detroit, Mich.
Toledo Ship Building Co., Toledo, O.
Topeka Foundry & Iron Works, Topeka, Kan.
Trefethen D. A. Taunton, Mass.
Trenton Brass & Machine Co., Trenton, N. J.

(Continued on following page)

Castings (Aluminum)—Continued

Trenton Malleable Iron Co., Trenton, N. J.
Triumph Electric Co., Oakley, Cincinnati, Ohio
Tritzell Oscar, Brass Founder, 51 Chestnut, New Haven, Conn.
Try Me Mfg. Co., Westfield, Mass.
Tucker & Dorsey Mfg. Co. ("Martin," "Tuckers Pat," "Boss" & "Stengel"), E State & Bates, Indianapolis, Ind.
Twentieth Century Brass Works, 514 Fifth av S, Minneapolis, Minn.
Union Brass & Metal Mfg. Co., Lawson & Mackubin, St. Louis, Minn.
Union Brass Foundry Co., Lowell, Mass.
Union Switch & Signal Co., Swissvale, Pa.
United Engine & Machine Work, Inc., 507 Broadway, Fresno, Cal.
U. S. Aluminum Co., Oliver bldg, Pittsburgh, Pa.
Universal Machine Co., Bowling Green, O.
Vanadium Metals Co., Vanadium bldg, Pittsburgh, Pa.
Van Niel Foundry Co., 2319 Clement av, Alameda, Cal.
Venango Bronze Metal Co., Franklin, Pa.
Virginia Foundry & Machine Co., Virginia, Minn.
Waltham Foundry Co., Waltham, Mass.
Waterbury Brass Goods Corp., Waterbury, Conn.
Waterhouse H., Wheeling, W. Va.
Waynesboro Foundry & Machine Co., Waynesboro, Pa.
Weber-Knapp Co., Dept. H, Jamestown, N. Y.
Weil Louis, 90 West, New York
Wellman Bronze Co. ("Welbranco," Medium & Heavy), 6017 Superior av, Cleveland, O.
See adv index at end of book
Wells Chemical Bronze Wks., 65 Temple, Worcester, Mass.
Werra Aluminum Foundry Co., Waukesha, Wis.
Western Aluminum Mfg. Co., Emeryville, Cal.
Western Brass Mfg. Wks., Marshall blvd & 21st, Chicago, Ill.
Western Iron & Foundry Co., Wichita, Kans.
Western Pattern & Mfg. Co., Moline, Ill.
Wheeling Bronze Casting Co., Wheeling, W. Va.
Williams E. A. & Son, 109 Plymouth, Jersey City, N. J.
Wisconsin Aluminum Foundry Co., Manitowoc, Wis.
Wisconsin Iron & Metal Co., Oshkosh, Wis.
York Hardware & Brass Works, Inc., York, Pa.
Zero Valve & Brass Mfg. Co., 643 4th, Buffalo, N. Y.

2147a—Castings (Aluminum, General Line, Die Cast)

FRANKLIN DIE-CASTING CORP., Gifford & Magnolia, Syracuse, N. Y.
See adv index at end of book

2148—Castings (Aluminum Bronze)

Am. Manganese Bronze Co., 3501 Rhawn, Phila., Pa.
Atlas Brass Foundry Co., Columbus, O.
Bethlehem Steel Co., Bethlehem, Pa.
Briggs Schaffner Co., Dept. H, Winston-Salem, N. C.
Brown Bros., Stamford, Conn.
See adv index at end of book
Buffalo Bronze & Die Cast Corp., 100-H Arthur, Buffalo, N. Y.
Electric Smelting & Aluminum Co., Lockport, N. Y.
Elyria Brass & Bronze Fdry Co., Dept. H, Walnut & B. O. R.R., Elyria, O.
Erie Bronze Co., 353 W 19th, Erie, Pa.
Hills McCanna Co., 2025 Elston av, Chicago, Ill.
Lee Bros. Foundry Co., Dept. H, Anniston, Ala.
Lumen Bearing Co., 200 Lathrop, Buffalo, N. Y. *See adv index at end of book*
Titanium Bronze Co., Niagara Falls, N. Y.
Venango Bronze Metal Co., Franklin, Pa.

2149— Castings (Automobile)

See also Castings, Various Kinds
Acme Steel & Malleable Iron Works (Steel & Malleable Iron), 245 Military rd, Buffalo, N. Y.
Allyne-Ryan Foundry Co., Aetna rd & E. 91st, Cleveland, O.
Aluminum Company of America, 2301 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book
Aluminum Die Casting Corp (Aluminum), Garwood, N. Y.
Aluminum Mfrs. Inc., 2810 Harvard av, **Cleveland, O.**
Atlantic Steel Casting Co. (Low Carbon, Open Hearth), Chester, Pa.
Atlas Brass Foundry Co., Columbus, O.
Auburn Foundry, Auburn, Ind.
Bethlehem Steel Co., Bethlehem, Pa.
Bonney-Floyd Co. (Open-Hearth, Converter & Electric), Columbus, O.
Bridgeport Deoxidized Bronze & Metal Co., 455 Istn av, Bridgeport, Conn.
Buckeye Jack Mfg. Co. (Malleable Iron), Alliance, Ohio
Buffalo Bronze & Die Cast Corp, 100-H Arthur, Buffalo, N. Y.
Campbell, Wyant & Cannon Foundry Co., Muskegon, Mich.
Chicago Steel Foundry Co. (Vanadium 5046 Lakeside, Cleveland, O.
Chisholm-Moore Mfg. Co. (Malleable Iron), 49th to 53d & Lake, Cleveland, O.
Cincinnati Steel Castings Co. (Steel & Other Alloy Steel), 1220 Queen City av, Cincinnati, O.
City Brass Foundry Co., 5318 St. Clair av, Cleveland, O.
Cleveland Aluminum Casting Co., 905 Addison rd, Cleveland, O.
Cramp Wm. & Sons, Ship & Engine Bldg Co ("Superstrength"), Richmond & Norris, Phila., Pa.
Danville Malleable Iron Co. ("Malleable Iron"), Danville, Ill.
Dayton Steel Foundry Co. (Electric), Dayton, O.
Decatur Malleable Iron Co., Decatur, Ill.
Edna Brass Mfg. Co. (Brass), Cincinnati, O.
Elec. Steel Co., W 31st & S Wood, Chicago, Ill.
Elyria Brass & Bronze Fdry Co., Dept H, Walnut & B. O. R.R., Elyria, O.
Ensign Foundry Co., Toledo, O.
Erie Bronze Co., 353 W 19th, Erie, Pa.
Erie Malleable Iron Co., Erie, Pa.
Farrell-Cheek Steel Foundry Co. (Steel), Sandusky, O.
Frederickson Co., Saginaw, Mich.
Ferro Machine & Foundry Co., E 66th & Hubbard av, Cleveland, O.
FRANKLIN DIE CASTING CORP., Gifford & Magnolia, Syracuse, N. Y.
See adv index at end of book
Globe Malleable Iron and Steel Co. (Malleable Iron & Vanadis Annealed Steel), 101 Greenway av, Syracuse, N. Y.
Grand Rapids Malleable Wks., Grand Rapids, Mich.
Hardy Wm. A. & Sons Co. (Brass & Bronze), Fitchburg, Mass.
Harsh John Bronze & Foundry Co., Madison av, Cleveland, Ohio
Hill Clutch Machine & Foundry Co., W 65th, Cleveland, O.
Hoffman Bronze & Aluminum Castings Co., 1000 Addison rd, Cleveland, O.
Hopson & Chapin Mfg. Co. (Cast Iron), New London, Conn.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O.
See adv index at end of book
Johnson Bronze Co., New Castle, Pa.
Liberty Fdry Co., 7600 Vulcan, St. Louis, Mo.
Lockport Chemical Wks., Lockport, Ill.
LUMEN BEARING CO., 200 Lathrop, Buffalo, N. Y.
See adv index at end of book

When writing to firms whose names you take from this book please mention
HENDRICKS COMMERCIAL REGISTER
It will help you and us

LUNKENHEIMER CO., Executive Office & Factories: Beekman & Waverly,
See adv index at end of book
Manufacturers' Foundry Co. (Grey Iron Cylinders; also for Motor Boats), Waterbury, Conn.
Marion Machine Foundry & Supply Co., Marion, Ind.
METAL & ALLOY SPECIALTIES CO. INC., 1875 Elmwood av, Buffalo, N. Y.
Michigan Malleable Iron Co., Delray, Detroit, Mich.
Minneapolis Elec. Steel Castings Co., 38th av, N E & 5th, Minneapolis, Minn.
Muncie Foundry & Machine Co., Muncie, Ind.
Muncie Malleable Foundry Co. ("Muncie Crown" Steel) Dept. H, Muncie, Ind.
National Bronze & Aluminum Foundry Co. (Aluminum & Bronze), 2539 E 79th, Cleveland, O.
National Malleable Cast Co., H Quincy, Cleveland, O.
Northern Malleable Iron Co., Wells & Forest, St. Paul, Minn.
Oberdorfer M. L. Brass Co., 810 E Water, Syracuse, N. Y.
Ohio Malleable Iron Co. (Malleable Iron), **961 N Fourth, Columbus, O.**
Parker-Street Castings Co., P. O. Station D., Cleveland, Ohio
Pettis, W. W. Co., 416-417 1st Natl Bank bldg, Cincinnati, O.
Pioneer Brass Works, 1102 E 23rd, Indianapolis, Ind.
Precisions Castings Co., Inc., Syracuse, N. Y.
Reliance Foundry Co., Richmond, Ind.
Rock Island Metal Foundry, 505 41st, Rock Island, Ill.
Rockford Brass Works, Rockford, Ill.
Rogers, C. E. Brass Foundry (Aluminum), 64H Plympton, Boston, Mass.
Sivyer Steel Casting Co., Milwaukee, Wis.
Smith Geo. H. Steel Casting Co. (Steel & Other Alloy Steel), 500 Clinton, Milwaukee, Wis.
Smith, Wheel, Inc. (Malleable Only), Syracuse, N. Y.
Sowers Mfg. Co., 1320 Niagara, Buffalo, N. Y.
Standard Brass Foundry Co., 990 E 67th, Cleveland, O.
Standard Steel Castings Co., 3311 W. 73rd, Cleveland, O.
Strong Steel Foundry Co. (Steel), 33 Norris, Buffalo, N. Y.
Superior Fdry. Co., E 71st & W. & S. E. Ry, Cleveland, Ohio
Susquehanna Casting Co., Wrightsville, Pa.
Thiery & Kendrick Mfg. Co. (Brass), 2724 Franklin, Detroit, Mich.
Turner & Seymour Mfg. Co., Torrington, Conn.
U. S. Aluminum Co., Oliver bldg, Pittsburgh, Pa.
Vanadium Metals Co., Vanadium bldg, Pittsburgh, Pa.
Vulcan Mfg. Co., 1200 4th av, So Seattle, Wash.
Warren Steel Casting Co. (Crucible Steel), 3400 Maury, St. Louis, Mo.
Warren Tool & Forge Co., 145 Griswold, Warren, Ohio
See adv index at end of book
Whiteley Steel Co. (Cast Steel), **Muncie, Ind.**

2150— Castings (Bake Oven)

Ellwood Foundry & Mach. Co., Ellwood City, Pa.
Spangler Chas., 102 S 3rd, Allentown, Pa.
Sperry D. R. & Co., Batavia, Ill.
Vulcan Mfg Co., 1210 4th av, So Seattle, Wash
Western Iron & Foundry Co., Wichita, Kans.

2150a—Castings (Bearing Metal)

Franklin Die-Casting Corp., Gifford & Magnolia, Syracuse, N. Y.
See adv index at end of book

Castings (Blast Furnace)

See Castings, Rolling Mill & Furnace; **Also Castings, Steel.**

Castings (Boiler)

See Boiler Fronts & Castings

2151—Castings (Brass & Bronze)

For all Brass Founders not found under this heading see Machinists & Founders marked with a (§) Section Mark
See also Castings, Copper; Castings, Manganese Bronze; Castings, Phosphor Bronze; Bearings of Various Kinds; Bell Founders; Valve Manufacturers

ALABAMA.

ANNISTON—Bosworth-Ard Machine & Lee Bros. Foundry Co., Dept. H. Foundry Co.
BIRMINGHAM—Ajax Metal Co. of the South
Dixie Brass & Foundry Co.
Joubert & Goslin Mach. & Fdry. Co.
Wallwork H. Foundry Co.
MOBILE—Alabama Dry Dock & Shipbuilding Co.
Henderson Shipbuilding Co.
Home Industry Iron Works, Dept. H.
MONTGOMERY—Hartley Boiler Works
Janney & Co. (Also Iron)

CALIFORNIA.

ALAMEDA—Van Niel Foundry Co., 2319 Clement av.
BERKELEY—Berkeley Brass Foundry, 2629 7th
FRESNO—Matthews Foundry Co., 2228 Railroad av
LOS ANGELES—A Brass Foundry, 2052 E. Vernon av
Angelus Foundry, 1817 E 60th
Atlas Brass Foundry, Inc., 1901 Santa Fe av
Axelson Machine Co., Box 316.
California Auto Supply Co. Inc., 632 Mateo
California Brass Mfg. Co., 1414 N Main
Central Brass Foundry, 791 E. Pico
Crown Brass Mfg. Co., Santa Fe av at E 15th
Federal Brass Foundry Co., 5332 Santa Fe av
Hercules Foundry Co., Boyle & Slawson avs.
Jones Jas. Co.
Kain Fixture & Brass Works, 113 W Ann
Keystone Iron & Steel Wks., 37th & Santa Fe av
Llewellyn Iron Works
Magnis Co. Inc, 860 N Main
Meyberg Co.
Miller Engine & Foundry Wks. ("Miller"), 2652 Long Beach av
National Brass Works, Inc., 2140 E. 25th

Pacific Copper & Brass Works, 1915 E 7th
Pioneer Brass Wks, 1531 E. 32nd
Republic Brass & Mfg. Co., 1931 Violet
Super-Refined Metals Co., 315 W. av, 33rd
Union Brass Foundry, 723 N Main
OAKLAND—Block Brass Foundry Co. Inc., 760 23d av
California Foundries Inc, Foot of 19th av
De Sanno Mfg. Co., 1853 38th av
Oakland Brass Foundry, 928 23rd av
Phoenix Iron Works Co.
Standard Brass Casting Co., Dept. H, 3d & Jefferson
Standard Gas Engine Co., Dennison & King
RICHMOND— Santa Fe Fdry. Co.
SACRAMENTO—Union Iron Works
SAN DIEGO—San Diego Machine Co.
SAN FRANCISCO—Atlas Brass Works, 612 Bryant
California Artistic Metal & Wire Co., 349 7th
DIAMOND EXPANSION BOLT CO. (Brass), 156 2d
See adv index at end of book
Dyer F. G. Brass & Machine Wks., 768 Folsom
Enterprise Foundry Co., 2902H 19th
Garratt W. T. & Co., 299 Fremont
Golden Gate Brass Mfg. Co., 1239 Sutter
Greenberg's M. & Son, Folsom & Alice
Keystone Bronze Co., Hobart bldg.
Kingwell L., 450 Natoma
Krenz Oscar Copper & Brass Works, 619 Bryant
Liberty Brass & Bronze Foundry, 248 Tahama
Pacific Brass & Bronze Foundry, 528 Folsom
Pacific Metal Works, 153H 1st
San Francisco Brass Foundry, 48 Clementina
Standard Brass & Bronze Mfg. Co., 159 14th
Tay Geo. H. Co., 599 Mission
SAN JOSE—Axford & De Shields, Chestnut & University
Garden City Brass Works
Krause Otto
Oxfords & De Shields, Chestnut & University
STOCKTON—Augustine Brass Foundry, 1137 S Pilgrim
Stockton Iron Works, Lindsay & Harrison

COLORADO.

COLORADO SPRINGS—Hassel Iron Wks. Co.
DENVER—Flint Electric & Mfg. Co.
Shave Furnace & Metal Appliance Co., W Warren av & S Delaware
Slack-Horner Brass Mfg. Co., 1638 Blake
Stearns-Roger Mfg. Co., 1720 Calif.
PUEBLO—Ortner Geo. J.

CONNECTICUT.

ANSONIA—Phelps H. D.
BRIDGEPORT—Bassick Co., 38 Austin
Belknap Mfg. Co. (Brass), 800 Union
Bridgeport Brass Co., Dept. H, E Main
Bridgeport Deox. Bronze & Metal Co., 455 Istn av
Hamilton Jno. Brass Works, 152 Middleton
Monumental Bronze Co.
Sanford David C. Co., 39 Drive
Stanley Bronze Co., 85 Holland av
BRISTOL—Bristol Brass Co.
DANBURY—Turner Machine Co.
EAST BERLIN—Stanley Chemical Co.
GUILFORD—Spencer's I. S. Sons (Inc.)
HARTFORD—Capitol Foundry Co.
Craig Jno. M., 69-71 Arch
Howard Jas. L. & Co.
MERIDEN—Foster, Merriam & Co.
Miller Edw. & Co.
MIDDLETOWN—Chapman W. H. Co.
Wilcox Crittenden & Co. Inc., 444 S Main, Middletown, Conn.
See adv index at end of book

BRASS CASTINGS
Light and Medium,
Machined if Desired
Wilcox, Crittenden & Co., Inc.
444 So. Main St., Middletown, Conn.

MILFORD—Rostand Mfg. Co.
MT. CARMEL—Mt. Carmel Mfg. Co., 2994 Whitney av
NAUGATUCK—Russell J. M. Mfg. Co.
Kinne W. A.
North & Judd Mfg. Co. (& Composition)
Osborne George H.
NEW HAVEN—English & Mersick Co.
Fritzell Oscar, Brass Founder, 49 Middletown
Graham Jas. & Co.
Ives H. B. Co.
Magnus Co. Inc., 60-H Eddy
Peck Bros. & Co.
Sargent & Co.
NEW LONDON—New London Marine & Iron Works
NORWICH—Tracy C. Oscar
PLAINVILLE—Carter, E. T.
SHELTON—Meyer Fred'k C. (Also Iron)
STAMFORD—Brown Bros., 46-48 Garden
See adv index at end of book

BROWN BROS.
Brass Foundry and Electro Plating
46-48 Garden St. Stamford, Conn.
Castings of Quality, Bronze, Brass, Aluminum, etc. Bearing Stock Bronze, ¾ inch to 5 inches.

Stamford Iron Works
STONINGTON—Miller's A. B. Sons
TORRINGTON—Turner & Seymour Mfg. Co.
WATERBURY—American Pin Co.
Connecticut Mfg. Co.
Manufacturers Foundry Co.
Novelty Mfg. Co.
Scovill Mfg. Co.
See adv index at end of book
Waterbury Brass Goods Corp'n
Waterbury Mfg Co., Division Chase Companies, Inc. (Brass)

DELAWARE.

WILMINGTON—Pusey & Jones Co. (Up to 5,000 pounds), Poplar & Front

FLORIDA.

JACKSONVILLE—Florida Machine Works Foundry
Southern Iron & Metal Co.
MIAMI—Lyne C. H.
ORLANDO — South Florida Foundry & Machine Works
PALATKA—Stanton Foundry & Machinery Co.

GEORGIA.

ATLANTA—Bailey-Burruss Mfg. Co.
Pratt Engineering & Machine Co.
Spalding Foundry Co.
Withers Foundry & Machine Works
AUGUSTA—Georgia Iron Works
BRUNSWICK—Brunswick Marine Construction Corp.
COLUMBUS—Columbus Iron Works
Golden's Foundry & Machine Co.
CORDELE—Tomlin-Harris Machine Co.
MACON—Schofield's J. S. Sons Co.
Taylor Iron Works & Supply Co.
ROME—Davis Foundry & Machine Works
Rome Machine & Fdry Co.
SAVANNAH—Rourke John & Sons
WEST POINT—West Point Iron Works
WINDER—Woodruff Machinery Mfg. Co.

ILLINOIS.

AURORA—Aurora Metal Co.
Love Bros.
BELLEVILLE—Century Brass Wks., Inc., 900 N. Illinois
M. H. Fdry & Mfg Co.
CAIRO—Reed Hardware & Mfg. Co.
CHICAGO—Adams & Westlake Co., 319 W Ontario.
Allen W. D. Mfg. Co., 201-211 N Jefferson
See adv index at end of book
Anderson A. H. (Light & Heavy), 218 Ann
Anderson Bros., 1388 Fulton
Anderson Wm. B. Fdry Co., 1715 Carroll av
Chicago Faucet Co., 2712H N. Crawford av.
Chicago Journal Bearing Co. (High Grade), 519 W Van Buren
DIAMOND EXPANSION BOLT CO. (Brass), 180 N Market
See adv index at end of book
Eddy Brass Foundry & Machine Co., 1427 Carroll
Empire Brass Works, 824 Fulton
Faunt Bros., 1555 Fulton
Federal Brass Works, 3100 S Kedzie
Federal-Huber Co., 234 N Halsted
Griscom-Russell Co., 234 N Halsted
See adv index at end of book
Hansen & Olson Co., 506 S Green
HARRIS ARTHUR & CO. (Heavy), 212 Curtis
Heath-Johnson Co., 300 W Ontario
Heath J. S. Co., Franklin & Ontario
Hills-McCanna Co., 2025 Elston av.
Hodgson Foundry Co., 2012 W 13th
Holland Brass Works, 616 W Monroe
Imperial Brass Mfg. Co. (Red, White, Yellow & Hard Brass), 1200 W. Harrison
Leitelt Bros, 7725 S Chicago.
Magnus Metal Co., 80 E Jackson blvd.
Newman Mfg. Co., 68 W Washington
PRIER CO. WALTER H., 230 E Ohio, Chicago
See adv index at end of book
Ryan J. J. & Co., 100 S Jefferson
Smeeth-Harwood Co., 2401 W 23d
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av
See adv index at end of book
Stier Herman, 814 George
Street & Kent Mfg. Co. (Plumbers' Specialties), 1956 Clybourn
Western Brass Mfg. Works, Marshall blvd & W 21st
White Brass Castings Co., 1656 Austin av
DECATUR—Farles Mfg. Co.
EDWARDSVILLE—Edwardsville Brass Co.
LITCHFIELD—Litchfield Foundry & Machine Co.
MOLINE—Schmidt Joseph
Western Pattern & Mfg. Co.
MURPHYSBORO—Egyptian Iron Works
NORTH CHICAGO — Chicago Hardware Foundry Co.
OTTAWA—Knowles Fdry. & Mach. Co.
PEORIA—**BRASS FOUNDRY CO.**, ("H. K." Bronze), 700 McAdams
See adv index at end of book

Brass Castings
made to your specifications
Delivery as agreed
True to pattern
Right mixture
Fair prices
Better castings for less money
BRASS FOUNDRY COMPANY
700 McAdams Street, Peoria, Illinois
Capacity 2½ million pounds

Kinsey & Mahler Co.
PETERSBURG—Brass Industrial Works
QUINCY—Bush Foundry & Metal Wheel Co (Also Iron)
Dayton-Dowd Co. (Brass & Iron), 365 Yorke
See adv index at end of book
Modern Iron Works
Quincy Foundry & Novelty Co.
Van Doorn Co.
ROCKFORD—Rockford Brass Works
Roper Geo. D. Corp., 707 S. Main
ROCK ISLAND—Blake Specialty Co.
Rock Island Metal Foundry, 505 41st
SPRINGFEILD—Ide A. S. & Sons

INDIANA.

BEDFORD—Bedford Foundry & Machine Co.
ELKHART — Northern Indiana Brass Fdry. Co.
EVANSVILLE—Evansville Brass Works
Grote F. Mfg. Co., 120 3rd av
Healey Peter, 201L 1st
HAMMOND—Hammond Brass Works
Keyless Lock Co., Pike & Honey
Pioneer Brass Works, 110 E 23rd
KOKOMO—Kokomo Brass Works
Long Bros.
MARION—Central Mach. & Fdry Co. (Brass)
Marion Foundry Corp.
Marion Machine Foundry & Supply Co.
Rutenber Motor Co.
MICHIGAN CITY—Haskell & Barker Car Co.
MUNCIE—Machsts. Foundry Co.
PERU—Peru Brass & Mfg. Co.
SOUTH BEND—Fulton Harwood Brass Foundry Co.
TERRE HAUTE—Prox & Burget Co.
Terre Haute Bronze & Brass Foundry

IOWA.

BURLINGTON—Murray Iron Works Co.
CEDAR RAPIDS—Dearborn Brass Co.
Iowa Steel & Iron Works
DAVENPORT — Davenport Locomotive Works
Davenport Machine & Fdry. Co.
NEWTON—Parsons Co.

KANSAS.

IOLA—United Iron Works Co.
TOPEKA—Topeka Foundry & Iron Works
Western Foundry & Machine Works
WICHITA—Western Iron & Foundry Co.

KENTUCKY.

COVINGTON—Michael's Art Bronze Co.
LEXINGTON—Lexington Engine & Boiler Works
Moran Flexible Steam Joint Co.
Standard Sanitary Mfg. Co., Ahrens & Ott Div.
Vogt Henry Machine Co., Inc.
LUDLOW—Carran Richard B. & Sons Co.
MIDDLESBORO—Hoe J. R. & Sons (Jobbers Brass Only)

LOUISIANA.

NEW ORLEANS—Dibert Bancroft & Ross Co. Ltd., Tulane & Hagan av
Koretke F. H. Brass & Mfg. Co. (Ltd.), 922 Magazine
Murphy John H. Iron Works, 643 Magazine
Swoop Julian M., 913 Girod

MAINE.

BANGOR—Union Iron Works
BATH—Bath Iron Works Ltd.
Torrey Roller Bushing Works
Watson, Frye & Co., Ltd. (Railroad & Mill)

(Continued on following page)

Castings (Brass & Bronze)—Cont.

MAINE—Continued
CAMDEN—Knowlton Bros.
DEXTER—Fay & Scott
HALLOWELL—Fuller's Geo. Sons
MECHANIC FALLS—Penney J. W. & Sons Co.
PORTLAND—Babbitt Chas. E., 440 Fore
Knight Bros., 304 Fore
Laughlin Thos. Co., 135 Fore
See adv index at end of book
Megquier & Jones Co., 31 Pearl
Portland Co.
RUMFORD—Clark Foundry Co.
SO. PORTLAND — Marine Hardware & Equipment Co.

MARYLAND.

BALTIMORE—Baltimore Brass & Plating Works, 805 E. Fayet
Gibson & Kirk Co. (Up to 150 lbs), 217 Key Highway
Liberty Brass Works, 305 W Lombard
Limerick J. Arthur Co. (Artistic), 900 N Howard
McShane Bell Fdry. Co.
Maryland Brass & Metal Works, Calvert & Federal
Poole Engineering & Machine Co., Woodberry Station
Richardson Edro Brass Co., 318 N Holliday
CUMBERLAND—McKaig Merwin
FREDERICK—Price Bros.
HAGERSTOWN—Hagerstown Bearing Metal Co., Dept. H
Hagerstown Metal & Refing. Co.

MASSACHUSETTS.

AMESBURY—Amesbury Brass & Foundry Co.
BOSTON—American Tool & Machine Co (Also Iron), 10 High
Clark D. W. & Co., 529 Second
d'Este Julian Co., 24 Canal
Gibby Foundry Co., 96 Condor, E
Hamlin & Emery Brass Co., 49 Island
Livermore Homer F., Inc., 85 Pearl
Macallen Co., 16 Macallen South
McCafferty J. H. Co., 434 Harrison av
McGann T. F. & Sons Co. (Art, etc), 117 Portland
See adv index at end of book
Rogers, C. E., Brass Foundry, 64H Plympton
Snow W. A., Iron Works, Inc., 32 Portland
Star Brass Mfg. Co., 53 Oliver
Star Refining Co., 116 W First
Walworth Mfg. Co.
CLINTON—Clinton Foundry Co. (Also Iron)
FALL RIVER—Fall River Foundry & Machine Co.
Mechanics Foundry & Machine Co.
FITCHBURG—Hardy Wm. A. & Sons Co.
Welch E. J. & Co.
GARDNER—Gardner General Foundry Co.
GLOUCESTER—Reed Geo. A. & Son
HAYDENVILLE—Haydenville Co.
HOLYOKE—Higgins & Co.
HYDE PARK—Dorchester Brass & Aluminum Fdry., Dept. H
LAWRENCE—Fallon T. F. & Co.
Gallison F. L.
LOWELL—Pevey Fdry. Co.
Union Brass Foundry Co.
LYNN—Dempsey Jno. F. & Co.
ORANGE—Hunt Rodney Machine Co.
PEABODY—Marine Hardware Co.
SPRINGFIELD—Brightwood Brass Fdy.
Emory P. P. Mfg. Co., 138 Spring
Engelhard Frank & Sons, 200 Franklin
Hampden Brass Co.
Hercules Float Works, 200 Franklin
TAUNTON—Trefethen D. A.
WALTHAM—Boston Brass Co. ("B.B."), 135 Bacon.
WEBSTER—Prescott J. B. & Son
WESTFIELD—Try-Me Mfg. Co.
WOLLASTON—Hall Wm. Co. (Bronze Specification)
WORCESTER—New England Brass Foundry, 344H Park av
Reed & Prince Mfg. Co. (Small)
Star Brass Fdry., Dept. H, 128 Exchange
Wells Chemical Bronze Works, 65 Temple
Worcester Brass Co., Quinsig av

MICHIGAN.

BATTLE CREEK—Sherman H. B. Mfg. Co.
BAY CITY—Bay City Iron Co.
Great Lakes Brass Foundry
CHARLOTTE—Hancock Mfg. Co.
CHEBOYGAN—Blake H. A. & Son (Also Iron)
COLDWATER—Champion Brass Works
DETROIT—American Brass & Iron Co., 6425 Crystal
Bohn Chas. B. Foundry Co., 3651 Hart av.
Capitol Brass Wks., 2306 Franklin
Clayton & Lambert Mfg. Co., 10565 Knodell av
Detroit Brass & Malleable Works, 1177 Holden
Detroit Foundry Co., Grand blvd
Detroit Motor Casting Co., 1067 Beaufait
Detroit Ship Building Co., ft. Orleans
Detroit Torch & Mfg. Co., 12057 Cardoni av
Essex G. B. Brass Co., 480 Franklin
Federal Bearing & Bushing Corp., 11031 Shoemaker
General Aluminum & Brass Mfg. Co. ("Ring True"), 2512 E Grand blvd
Graebert & Sons, 924 Sherman
Hackett Brass Foundry, 242 Lillibridge
Ireland & Matthews Mfg. Co., Beard & Chatfield
McRae & Roberts Co., 100 S. Campbell av
Magnus Co., 945 Griffin
Sherwood Brass Wks., 6331 Jefferson E.
Standard Brass Works, 2931H Wight
Stephens Roe Mfg. Co., 1097 McKinly
Sterling & Skinner Mfg. Co., 2672 E Grand blvd
Super-Refined Metals Co. ("S. R."), 2631 Woodward av
Thiery & Kendrick Mfg. Co., 2724 Franklin
GRAND HAVEN—**DAKE ENGINE CO.**
See adv index at end of book
GRAND RAPIDS—Grand Rapids Brass Co.
Harring, F. J. & Co.
Hartman H. J. Foundry Co.
Keeler Brass Co.
Rempis & Gallmeyer Foundry Co.
Wolverine Brass Works
HANCOCK—Portage Lake Foundry & Machine Co.
HOLLAND—Huntley Machinery Co.
JACKSON—Jackson Brass Foundry Co.
KALAMAZOO—Star Brass Works
LANSING—Gerson & Carey
Michigan Brass & Iron Works
LAPEER—McDonald Wm. Sons
MENOMINEE—Prescott Co.
MUSKEGON—Enterprise Brass Works
Muskegon Aluminum Foundry Co.
PORT HURON—Draper Mfg. Co.
Moak Mach. & Tool Co. (Brass)
SAGINAW—Frederickson Co.
Jackson & Church Co.
TRAVERSE CITY—Round Harry W

MINNESOTA.

DULUTH—Duluth Brass Works Co.
MINNEAPOLIS—Commutator Co., 121 N 1st
Twentieth Century Brass Works, 514 5th av S
ST. CLOUD—St. Cloud Iron Works Co.
ST. PAUL—Northwestern Copper & Brass Works, 59 W 3rd
North Star Spinning & Mfg. Co.
South Park Foundry & Machine Co.
St. Paul Brass Foundry Co., Minnesota & Second
Union Brass & Metal Mfg. Co., Lawson & Mackubin
VIRGINIA—Virginia Foundry & Machine Co.

MISSISSIPPI.

LAUREL—Laurel Machine & Foundry Co
NATCHEZ—Shaw C. P. & Co.

MISSOURI.

CLINTON—Industrial Iron Works
JOPLIN—Joplin Foundry Co.
KANSAS CITY—Central Brass Works Co., 215 Goodwich pl
Kansas City Wire & Iron Works, 1428 Oak
Prier Brass Mfg. Co., 15th & Blue River
United Iron Wks. Co., Inc
American Car & Foundry Co., Syndicate Trust bldg
American Foundry & Mfg. Co., 11th & Hebert
Gilbert A. & Sons Brass Foundry Co., 4019 Forest Park bl
Hewitt Mfg. Co.
Hoyt Metal Co., Boatmans Bank bldg
Kraushaar Brass Mfg. Co., 919 Pine
Kupferle Bros. Mfg. Co., 600 N 2nd
Laclede Brass Wks., 307 Cedar
Laclede Brass Works, 307 Cedar
More-Jones Brass & Metal Co., B'way & Dock
Natl. Art Bronze Wks. Co., Pope & Carrie avs
St. Louis Brass Mfg. Co., Washington & Jefferson avs
St. Louis Car Co. (Railway, etc), 8000 N B'way
SPRINGFIELD—United Iron Works Co.

MONTANA.

BUTTE—Montana Iron Works

NEBRASKA.

FREMONT—Fremont Foundry & Machine Co.
HASTINGS—Hastings Foundry & Iron Works
LINCOLN—Hedges C. E.
YORK—York Foundry & Engine Works

NEW HAMPSHIRE.

CONCORD—Ford & Kimball
EAST CONCORD—Badger, Franklin L.
EXETER—Exeter Brass Works
KEENE—Dow L. B. Inc.
NASHUA—Highton Wm. & Sons Co.
PENACOOK—Concord Axle Co.
UNION—Hamlin E. F. Brass Co.

NEW JERSEY.

ARLINGTON—Lovell F. H. & Co.
BELLEVILLE—Eastwood Wire Mfg. Co (¼-oz to 20,000 lbs.)
BLOOMFIELD—Jenkins Mfg. Co.
DUNELLEN—Hall Printing Press Co.
EAST NEWARK—Hewitt Jno.
EAST ORANGE—Smith A. P. Mfg. Co.
ELIZABETH—Elizabeth Machine & Iron Works
FLEMINGTON—Foran Foundry & Mfg. Co.
HOBOKEN—Elevator Supplies Co.
Fischer Sweeny Bronze Co.
Fletcher W. & A. Co.
Union Iron Works
JERSEY CITY—Brady Brass Co., 170 14th
Krouse Geo. (Heavy), 150 Morgan
Magnus Co., 364 9th
Murphy Wm. J., 279 10th
Schroeder Edw. Lamp Works, 716 Jersey av
Spindler & Deringer, 243 Mercer
Williams E. A. & Son, 109 Plymouth
LAMBERTVILLE—Lambertville Iron & Steel Co.
LYNDHURST—Leslie Co.
NEWARK—Bushauer P., 261 Elm
Defreville, 142 McWhorter
Goldsmith C. A., 270 Thomas
Hedges & Bros., Inc., 107 South
Josts Edmund Sons, 58 1st
Newark Brass Works, 20 Lawrence
Riley-Klotz Mfg. Co., 17 Mulberry
Schueler T. & Co., 48 19th av
Turner Machine Co., 28 Eagles
Wheaton A. W. Brass Works, 116 Walnut
Zusi Edward A., 101 Monroe
NEW BRUNSWICK—New Brunswick Iron Works
PATERSON—Asbell S. J. Co. (Small)
Finigan-Zabriskie Co. (Todd Mills, Brass & Iron Castings)
PERTH AMBOY—Schantz & Eckert (Also Iron)
SALEM—Salem Brass & Iron Mfg. Co.
TRENTON—McFarland Foundry & Machine Co.
Skillman Hardware Mfg. Co.
Trenton Brass & Machine Co.
Trenton Malleable Iron Co.

NEW YORK.

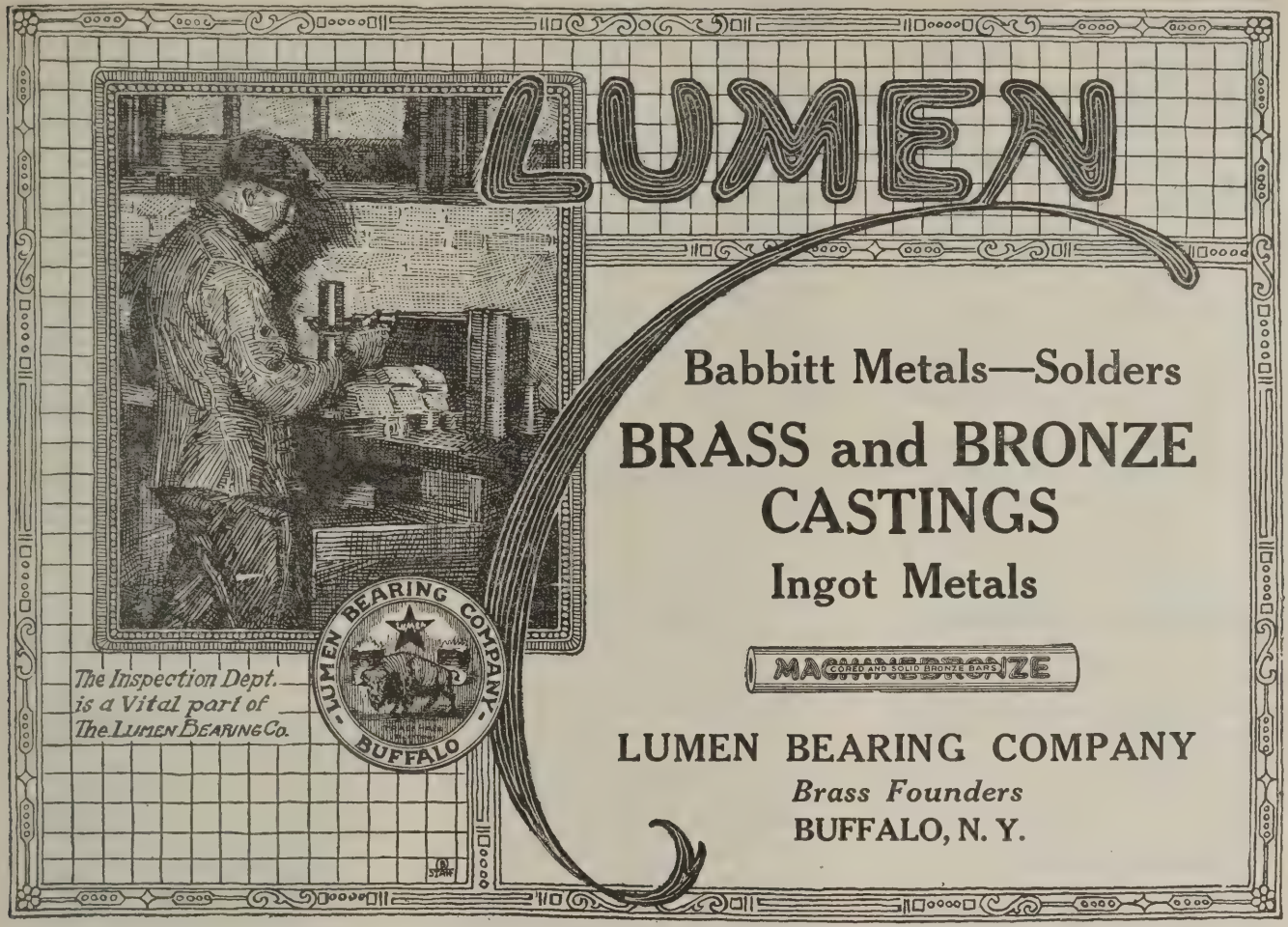
ALBANY—Federal Signal (Brass)
Gaynor P. F.
BALLSTON SPA—Davison-Namack Fdry Co.
BUFFALO—Buffalo Bronze & Die Cast Corp., 100-H Arthur
Buffalo Non-Ferrous Casting & Mfg. Co., 1487 Niagara
Case W. A. & Sons Mfg. Co., 31 Main
Fries & Co., 91 Main
Lumen Bearing Co. (To Customers Patterns, Red & Yellow), 200 Lathrop *See adv index at end of book*
METAL & ALLOY SPECIALTIES CO. INC., 1875 Elmwood av
Unique Brass Foundry Co., 841 Grant
Zero Valve & Brass Mfg. Co., 643 4th
COHOES—Cohoes Iron Foundry & Machine Co.
Simcox Jos. H.
GRASSY POINT—Wiles A. M. & W. H. Co
GREEN ISLAND—Sweet & Doyle Fdry. & Mach. Co., Dept. H
HUDSON FALLS—Sandy Hill Iron & Brass Works
JAMESTOWN—**BARKAY CO., INC.**, 26 Institute
See adv index at end of book
Ellison Brass Mfg Co.
Weber-Knapp Co. (Brass)
LOCKPORT—McKim Foundry & Machine Co.
NEWBURGH—Coldwell-Wilcox Co.
Kimball's S. G. Son

NEW YORK CITY.
Borough of Brooklyn.

BROOKLYN — American Marine Brass Foundry Co., Inc., 203 Diamond
Atlantic Basin Iron Works, 168 Van Brunt
Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut
Coyne & Delany Co., 832 Kent av
Creamer W. G. & Co., Creamer, c Smith
Doehler Die Casting Co., Huntington
Hamilton Robert & Sons, 56 Water
Hecla Iron Works, 118 N. 11th
Huethwohl Louis, 513 Flushing av
Jefferson Brass Fdry., 62 Delevan
Paulson Thos. & Son, 97 2d av
Penn Brass & Bronze Works, 111 Dobbin
Richardson J. W. Fdry & Metal Corp. ("J. W. R."), 1066 62nd
Roman Bronze Works, 275 Greene
Silver Aluminum Metal Co., 294 Taaffe pl, B'klyn, N. Y.
Staats Geo. & Co., 74 Bayard
Taylor & Co., 680 Morgan av.
White J. H. Mfg. Co., 111 N. 3rd

Boroughs of Manhattan and Bronx

NEW YORK—Aluminum Casting & Machine Co., 206 B'way
American Abrasive Metals Co., ("Bronzalun"), 50 Church
Bronze Metal Co., 30 Church
DIAMOND EXPANSION BOLT CO. (Brass), 89 West
See adv index at end of book
Gallagher's Jas. Sons, 87 Centre
Gerdes & Co. Inc., 42 Church
See adv index at end of book
Gorham Co., Arch'l Bronze "Gorham" Special Patent), 5th av & 36th. Works: Providence, R. I.



Griscom-Russell Co., 90 West
See adv index at end of book
Guerin P. E., Inc., 21 Jane
Harper Thos., 204 Lafayette
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette
Lasker & Minck, 53 Park pl
Levett Walker M. Co., 417 E 23d
Lough Bros., 90 West
Magnus Co., 111-H B'way
Manhattan Brass Co., 332 E 28th
MANNING, MAXWELL & MOORE, INC., 100 E. 42nd
See adv index at end of book
New York Brass Fdry. Co., 403 Broome
Pierce, Butler & Pierce Mfg. Corp., 437 E. 162d
Scholl Adam, 225 E 138th
Superior Bearing Bronze Co., Inc., 719 1st av
Tuttle & Bailey Mfg. Co., 2 W 45th
Williams Jno., Inc., 556 W 27th

Borough of Queens.

ASTORIA—Federal Brass & Bronze Co., Ridge
FREEPORT—Columbian Bronze Corp.
LONG ISLAND CITY — Atlantic Chair Corp, 73 Marion
McGee Jos, Iron & Brass Foundry Co., 51 6th
Polachek John Bronze & Iron Co., 476-H Hancock
Russell Foundry & Machine Works, 51 6th
MASPETH—Queensborough Brass & Bronze Foundry, 184 Broadway
Richey, Browne & Donald, Flushing av

Borough of Richmond

MARINERS HARBOR—Staten Island Shipbuilding Co., 3075-H Richmond Terrace

(End of New York City)

NIAGARA FALLS—Titanium Bronze Co.
PORT CHESTER—Mills Wm. A. Brass Co
Consolidated Mach. Tool Corp. of Amer.
See adv index at end of book
General Railway Signal Co.
National Brass Mfg. Co. (Large or Small)
N. W. Foundries, Inc.
Nunn Brass Works
Wray Henry & Son
ROME—Doyle Wm. J.
Home Mfg. Co., Inc. (Brass only)
SARATOGA SPRINGS—Baker Mfg. Corp.
SYRACUSE—Caldwell E. R. & Son Brass Co.
Caldwell & Ward Brass Co. (Brass)
Oberdorfer M. L. Brass Co., 810 E Water
Onondaga Brass Co.
Phelps Elmer E.
Senk Jno. & W.
Standard Brass & Aluminum Foundry Co.
Straight Line Engine Co.
TONAWANDA—Gillie Machine Co.
TROY—Geier & Bluhm
Wheeler Bros. Brass Foundry
Utica Brass Works

NORTH CAROLINA.

DUNHAM—Dunham Fdry & Mach. Works
NEWBERN—Newbern Iron Works & Supply Co.
RALEIGH—Raleigh Iron Works Co.
WILMINGTON— Wilmington Iron Works (Grey Iron, Semi-Steel & Brass Castings, Grate Bars, Municipal Building, Saw Mill, Oil Mill, Fertilizer Plant & Industrial Castings).
WINSTON-SALEM—Briggs Shaffner Co., Dept. H

OHIO.

AKRON—Star Drilling Machine Co.
ALLIANCE—Alliance Brass & Bronze Co.
Morgan Engineering Co.
ASHLAND—Ashland Brass Foundry
BEDFORD—Holmes Bronze Foundry Co.
BOWLING GREEN — Universal Machine Co.
BUCYRUS—Ryder Brass Foundry Co.
CANTON—Elbel Mfg. Co. (The), 826 Mulberry rd
CINCINNATI—Cincinnati Aluminum Casting Co. ("Adamant"), Norwood
Cincinnati Mfg. Co.
Deckebach F. C. Sons Co., 123 W Court
Edna Brass Mfg. Co. (Light & Heavy),
Electric Railway Equipment Co.
Eureka Brass Works, 1040 Hulbert av
Fewlass Leen Brass & Iron Co., 215 Pike
Hoppe Chas. Co., 121 Opera pl
Kirkup Robt. & Co., 616 Lodge
LUNKENHEIMER CO. Executive Office & Factories: Beekman & Waverly *See adv index at end of book*
National Brass Mfg. Co., 1115 Marshall av
Nichol Thos. J. & Co., Pearl & Ludlow
Ohio Pattern Works (Ornamental), 2730 Spring av
Pettis W. W. Co., 416-417 First Nat'l Bank Bldg.
Powell Wm. Co. (Bronze Only), 2525 Spring Grove av
See adv index at end of book
Richter Brass Co., 210 E 9th
Triumph Electric Co., Oakley
CLEVELAND—Aetna Brass Mfg. Co., 1631 E 55th
Buckeye Brass & Mfg. Co., 6410 Hawthorne
City Brass Foundry Co., 5318 St. Clair av
Cleveland Brass Works, 4606 Hamilton av
Cochrane J. A. Brass Mfg. Co., 1403 E 40th
Drew Electric & Mfg. Co., Collamer av
Farnan Brass Works Co. (Plumbers' Specialties), 1105 Centre
Glauber Brass Mfg. Co., 79th & Platt av
Hines Pattern & Mfg. Co. (Pattern Castings), 10108 Detroit
Hoffman Bronze & Aluminum Castings Co., 1000 Addison rd
Ideal Bronze Co., 1265 E 55th
K. & M. Brass & Aluminum Castings Co., Harvard & E. 108th
National Bronze & Aluminum, Foundry Co., Dept. H, E 88th & Laisy
Standard Brass Foundry Co., 990 E 67th
Triumph Electric Co., Wade bldg
TYLER, W. S. CO. (Bronze)
See adv index at end of book
United Brass Mfg. Co., 3844 Hamilton av
Wellman Bronze Co. ("Welbranco"), 6017 Superior av
See adv index at end of book


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Bronzes and Brasses
in any kind of casting are good
JOURNALS—BUSHINGS—GEARS
Production work on small castings. Nickel Plating, Polishing and Machining
THE WELLMAN BRONZE COMPANY
Cleveland, Ohio

COLUMBUS—Atlas Brass Foundry Co. Inc.
Columbus Brass Co., 620 Dublin av
See adv index at end of book
Iron Products Co.

(Continued on following page)

Castings (Brass & Bronze)—Cont.

OHIO—Continued

DAYTON—**Buckeye Iron & Brass Works** 322 East 3rd
See adv index at end of book
Dayton Mfg. Co.
Dennick Wm. & Co.
Hoban Brass Foundry Co.

ELYRIA—Elyria Brass & Bronze Fdry. Co., Walnut & B. O. R.R.

FOSTORIA—"S-C" Regulator Mfg. Co.

GALION—Galion Brass & Bronze Fdry. Co.

GENEVA—Champion Hdwe. Co. (Small)

HAMILTON—Hamilton Copper & Brass Works

LIMA—Lima Brass Foundry
Lima Metal Fndry. Co.

LORAIN—Lorain Casting Co.

MT. VERNON—Cooper C. & G. Co.

MANSFIELD—Buckeye Tempered Copper & Brass Co.

SUPERIOR BRASS MFG. CO. (THE), 98 Wayne
See adv index at end of book

Brass and Bronze Castings
Rough and Machined
We Nickel Plate
Also Aluminum Castings and Parts
THE SUPERIOR BRASS MFG. CO.
98 Wayne St. Mansfield, Ohio

MARIETTA—Pattin Bros. Co.

MASSILLON—Griscom-Russell Co.
See adv index at end of book

MINERVA—Minerva Hardware Mfg. Co.

NEWCOMERSTOWN — Sterling Specialty Co.

NEW PHILADELPHIA—Rath Aluminum & Brass Co.

NORWALK—Norwalk Foundry Co.

RIPLEY—Ripley Foundry & Machine Co.

SANDUSKY—Bay View Foundry Co.
Klotz Machine Co.
Sandusky Fdry & Machine Co.

SPRINGFIELD—Nolte Brass Co.
Springfield Brass Co.

TIFFIN—Hanson Clutch & Machy. Co.

TOLEDO—Bunting Brass & Bronze Co., 738 Spencer
See adv index at end of book
Duncan The Co.
Seeger Valentine
Toledo Brass & Novelty Works
Toledo Ship Building Co.

WELLINGTON — Sterling Machine & Stamping Co.

WICKLIFFE — Cleveland Crane & Engineering Co. (500 lbs.), Dept. H

YOUNGSTOWN—Falcon Bronze Co.
Mahoning Foundry Co.
United Engineering & Foundry Co. (All Weights)

ZANESVILLE—Dockray H. V., Brass & Iron Co.
Griffith & Wedge Co.

OREGON.

ALBANY—Albany Iron Works

PORTLAND—Harper's Brass Works, 106 N 5th
Northwestern Brass Foundry Co., 369 Grand av
Oregon Brass Works, 73 N 2d
Wood John Iron Works, 461 E Alder

PENNSYLVANIA.

ALLENTOWN—Spangler Chas., 102 S 3rd
Vulcan Brass Works, 714 N 4th

BAIR—Bair Bros.

BEAVER FALLS — Ideal Foundry & Machinery Co., 114 7th av

BERWYN—American Bronze Corp. ("Non Gran")

BETHLEHEM — Bethlehem Shipbuilding Corp., Ltd. (Brass), Dept. H, Broadhead & Parker av

BLOOMSBURG—Harman & Hassert

BRADFORD—Bradford Motor Works
CALDWELL E. R. & CO. (Brass)
See adv index at end of book

CATASAUQUA—Hercules Metal Works

CHERRY TREE—Cherry Tree Machine Co.

CHESTER—Crown Smelting Co.

CONNELLSVILLE—Boyts Porter & Co.
Connellsville Foundry Machine & Steel Casting Co. (Brass), Dept. H
Connellsville Machine & Car Supply Co.

CONSHOHOCKEN—Bate Wm. T. & Son

CORRY—Love Mfg. Co.

DANVILLE—Danville Iron & Steel Co. (Up to 2,000 lbs.)

DU BOIS—Du Bois Iron Works
Osbern Machine Co.

ERIE—Campbell J. B. Brass Works
Erie Bronze Co., 353 W 19th
Hays Mfg. Co.
See adv index at end of book
Jarecki Mfg. Co.
Superior Bronze Co.
Watson N. A.

FRANKLIN—Hough Chas. N. Mfg. Co.
VENANGO BRONZE METAL CO.

GREENSBURG—Hempfield Foundry

HARRISBURG—Hickok W. O. Mfg. Co.

HOMESTEAD—Homestead Valve Mfg. Co.
See adv index at end of book

JOHNSTOWN—Suppes Forge & Foundry Co.

LANCASTER—Fraim E. T. Lock Co., 327 Park av
Hubley Mfg. Co.
Miller J. Walter Co.

LANSDALE—Heebner & Sons (Brass)

LEBANON—LEBANON BRASS WORKS.

LEETSDALE—Leetsdale Fdry. & Mfg. Co.

MARIETTA—Marietta Casting Co.

MOUNT CARMEL—Mount Carmel Iron Works

NEW BRIGHTON—Keystone Bronze Co.

NEWCASTLE—JOHNSON BRONZE CO.

NORTH EAST—ELECTRIC MATERIALS CO.
Eureka Co.

NORTH WALES—North Wales Machine Co.

PHILADELPHIA—Ajax Metal Co., 46 Richmond
AMERICAN MANGANESE BRONZE CO. ("Spare's" "Hy-Ten-Si"), 3501 Rhawn
Belfield H. Co., 435 N Broad
Biddle Gaumer Co., 3346 Lancaster av
Bridgman Bros. Co., 131 S. 31st
Bureau Bros., 23d & Westmoreland
Cohocksink Brass Foundry, 907 N Hancock
Cramp Wm. & Sons, Ship & Engine Bldg Co. ("Superstrength"), Richmond & Norris
Devlin Thos. Mfg. Co., 3d & Lehigh av
Evans S. W. & Son, 4623 Paul
Griffiths Jas. A., 1315 Buttonwood
Griscom-Russell Co.
See adv index at end of book
Halstead & Co. (Founders & Finishers), 1129 Cherry
Hartman Co., 1231 N Front
Kirn M. L. & Bro., 2135 N Lawrence
Longeran J. E. Co., 211 Race
Morris I. P. Co., Richmond & Norris
Mousley's Chas. Sons, 457 N 12th
Nelson Valve Co., Dept. H, Chestnut Hill
North American Smelting Co., Thompson & 9th
Ott Geo. F. Co., 213 Buttonwood
Philadelphia Hardware & Malleable Iron Works, 9th & Jefferson
Phosphor-Bronze Smelting Co. (Bronze), 2202 Washington av
Reeves Paul S. & Co. (Red & Yellow Brass, etc), 1415 Catharine
Savill's Thos. & Sons, 1310 Wallace
Schoen-Jackson Co., Water & Muffin
Sheeler-Hemsher Co., 811 Fairmount av
Wright Mfg. Co., 133 Master

PITTSBURGH—Cadman A. W. Mfg. Co., 2816 Smallman
Chaplin-Fulton Mfg. Co., 34 Penn av
Damascus Bronze Co. ("Damascus" for Rolling Mills, Railroads & Electric Railway), N. S.
Griscom-Russell Co.
See adv index at end of book
Keystone Bronze Co. (High Grade), 39th & A V RR.
Lawrenceville Bronze Co., Bessemer bldg, Pittsburgh, Pa.
Mackintosh-Hemphill Co. (Rolling Mill, etc.), 12th & Etna
Mesta Machine Co., Box 1124.
See adv index at end of book
Newlands Bros., 28th & A. V. Ry.
Pittsburgh Brass Mfg. Co., Penn & 32d
Pittsburg Lamp, Brass & Glass Co., 130 7th
Pittsburgh Valve, Foundry & Construction Co., 26th & A V RR
Sutton-Abramsen Engineering Co., 1309 Park bldg
Vanadium Metals Co., Vanadium bldg

PITTSTON—Exeter Machine Wks. (Rough or Finished)

POTTSTOWN—Light Mfg. & Foundry Co. ("Automobile")

READING—Crescent Brass Mfg. Co.
Dick Bros.
Excelsior Brass Works (Dry & Green Sands)
Howard Metal Co.
Kline & Co.
Reading Brass Works (Chandelier)

SAYRE—Sayre Stamping Co. (High Grade)

SCRANTON—American Safety Lamp & Mine Supply Co., 1327 Capouse av
Everhart Brass Works
Finch Mfg. Co.
Hughes Bros.
McClave-Brooks Co., Poplar
Scranton Pump Co.

SOUTH BETHLEHEM—Bethlehem Steel Co.

SWISSVALE—Union Switch & Signal Co.

TARENTUM—Shoop Bronze Co.

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Waynesboro Fdry. & Machine Co.

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WILLIAMSPORT—United States Machine Co. Ltd.

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YORK—York Hardware & Brass Wks. (Up to 3 Tons)

YOUNGWOOD — Robertshaw Mfg. Co. (Brass)

RHODE ISLAND.

CENTRAL FALLS—Newell Fred. E.

PAWTUCKET—Jenkinson Brass Foundry Co.

PROVIDENCE—Allen Fire Dept. Supply Co., 159 Aborn
Feeley W. J. Co., 169 S Angell
Fuller Iron Works, 40 Tockwotten
Grinnell Co., Inc., 275 W. Exchange
Providence Brass & Aluminum Foundry, 460 Eddy
White-Stillman Foundry Co., 1 Bark

WOONSOCKET—Woonsocket Machine & Press Co.

SOUTH CAROLINA.

CHARLESTON—Charleston Dry Dock & Machine Co.
Charleston Iron Works

GREENVILLE—Greenville Iron Works

TENNESSEE.

CHATTANOOGA—Acheson Foundry & Machine Works, Alton Park
Columbian Iron Works, 811 Boyce
Gustafson Mfg. Co., 211 W 26th
Price-Evans Foundry Co., Anderson av
Sharp J. C. Brass Works, 20th & Chestnut

CLARKSVILLE—Clarksville Foundry & Machine Works

KNOXVILLE—Fair Foundry Co.
Knoxville Foundry & Machine Co.

MEMPHIS—Chickasaw Machine & Foundry Co., 298 N 2nd

TEXAS.

BEAUMONT—Beaumont Iron Works Co.

DALLAS—Mosher Steel & Machinery Co.

DENISON—Knaur & Howe (Also Iron)

FORT WORTH—Midland Brass Works

HOUSTON—Dickson Car Wheel Co.
Southern Brass Mfg. & Plating Co.

MARSHALL—Marshall Car Wheel & Foundry Co.

UTAH.

SALT LAKE CITY—Capital Brass Fdry.
Salt Lake Engineering Works

VERMONT.

POULTNEY—Ruggles Machine Co.

SPRINGFIELD—Springfield Brass Co.

VIRGINIA.

COVINGTON—Covington Machine Co. (up to 1,000 lbs.), Lexington

CHARLESTON — Kanawha Mfg. Co. (Brass).

LYNCHBURG—Hubard Fdry. & Machine Works
Southern Electro Steel Co. Inc.

NORFOLK—Edmonds W. A. & Co.

RICHMOND—Carr Jas. W., 7 N. 25th
McGee O. G. & Son, 2312 E. Main
Richmond Fdry. & Mfg. Co. (Light) Hermitage rd
Strickland Machine Co., 2330 E Main
Tredegar Co. (Brass), ft. of 5th

ROANOKE—Roanoke Iron Works

WASHINGTON.

BELLEVUE—Sherman Eugene M. Everett.
Nordeen Foundry Co.
EVERETT—Everett Brass Foundry
SEATTLE—Art Hardware & Mfg. Co.
Eagle Brass Foundry Co.
Galowsen-Grei Engine Co., 27th W & Commodore Way
Ne Page McKenny Co., Armour bldg
Seattle Brass Co.
SPOKANE—Union Iron Works
TACOMA—Enterprise Foundry Co., 1111 St. Paul
Griffin Wheel Co. (also Iron)
Puget Sound Iron & Steel Works

WEST VIRGINIA.

CHARLESTON — Kanawha Mfg. Co. (Brass).
South Side Foundry & Machine Wks. (Brass)
MORGANTOWN—Chrisman Foundry Co.
POINT PLEASANT—Heslop J. W. C.
WHEELING—Saturn Fdry & Mach. Co.
Waterhouse H.
Wheeling Bronze Casting Co.

WISCONSIN.

ALGOMA—Wodsedalak Jos.
APPLETON—Valley Iron Works Co.
BELOIT—Lipman Refrigerator Car & Mfg. Co.
BURLINGTON—Burlington Brass Wks. (Brass Founders & Finishers)
CEDAR GROVE—Wisconsin Foundry & Steel Works
KENOSHA—Frost Mfg. Co.
Specialty Brass Co. Inc.
LA CROSSE—Franklin Iron Works (Also Iron)
MERRILL—Merrill Iron Works
MILWAUKEE — Chain Belt Co. (Brass). 746 Park
See adv index at end of book
Claus Automatic Gas Cock Co.
Fisher Specialty Co, (Special Brass Castings), 826 Ogden av.
Magnus Co., Inc. (Up to 2000 lbs.), Greenfield av.
Kagel Bros. 1208 St. Paul av
Kruecke Bros. Mfg. Co., 515 Park
Lamp & Miller Mfg. Co., 382 4th
Loeffelholz Co., 170 Clinton
Milwaukee Aluminum & Brass Foundry Co, 295 Reed
Milwaukee Brass Mfg. Co., 251 Lapham
Milwaukee Bronze Casting Co., 119 Clinton
Milwaukee Valve Co., 139 Burrell
Rundle-Spence Mfg. Co., 63 2d
Standard Brass & Iron Works, 1820 St. Paul av
Wis. Iron Works, 1660 Booth
NEENAH—Neenah Brass Works
OAKFIELD—Remert Mfg. Co., Dept. H, Main & Hubbard
OSHKOSH—Wisconsin Iron & Metal Co.
RACINE—National Aluminum Co.
Racine Aluminum & Brass Foundry Co.
Racine Brass & Iron Co.
SHEBOYGAN—Jenkins Machine Co.
SOUTH MILWAUKEE—Stowell Co.
TOMAHAWK—Tomahawk Steel & Iron Works
WATERTOWN—Brandt-Dent Co.

When writing to firms whose names you take from this book please mention

HENDRICKS COMMERCIAL REGISTER

It will help you and us

2152— Castings (Bridge)

Atlas Steel Casting Co. (Steel), 1963 Elmwood av, Buffalo, N. Y.
Bethlehem Steel Co., Bethlehem, Pa.
Bonney-Floyd Co. (Open-Hearth, Converter & Electric Steel), Columbus, O.
Builders' Iron Foundry (For Caissons, etc), 9 Codding, Providence, R. I.
Chester Steel Castings Co., Chester, Pa.
Cramp Wm. & Sons, Ship & Engine Bldg Co. ("Superstrength"), Richmond & Norris, Phila., Pa.
Detroit Steel Casting Co., 4069H Michigan, Detroit, Mich.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
Minneapolis Elec. Steel Castings Co., 38th av N E & 5th, Minneapolis, Minn.
Morgan Engineering Co., Alliance, O.
Pettis W. W Co, 416-417 First Nat'l Bank bldg., Cincinnati, O.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
ST. PAUL FOUNDRY CO., Como av & Mackubin, St. Paul, Minn.
See adv index at end of book
Smith Geo. H. Steel Castings Co., 500 Clinton
Southern Wheel Co. (Grey Iron), Railway Exchange bldg, St. Louis, Mo.
Steiger & Kerr Stove & Fdry. Co., 2201-H Folsom, San Francisco, Cal.
Strong Steel Foundry Co. (Steel), Buffalo, N. Y.
Union Steel Casting Co., Pittsburgh, Pa.
Warren Steel Casting Co. (Steel), 3400H Maury, St. Louis, Mo.
Western Steel Car & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.
Withers Foundry & Machine Works, Atlanta, Ga.

2152a— Castings (Car)

Anniston Electric Steel Co., Dept. H, Anniston, Ala.
Bethlehem Steel Co., Bethlehem, Pa.
Canton Steel Foundry Co., Dept. H, 1502 Allen av S E, Canton, O.
Detroit Steel & Casting Co. (Industrial), 4069H Michigan, Detroit, Mich.
FALK CORP., ft. of 30th, Milwaukee, Wis. *See adv index at end of book*
Janney & Co., Montgomery, Ala.
Murray Iron Works Co., Burlington, Iowa
Pettis, W. W. Co., 416-417 1st Natl Bank bldg., Cincinnati, O.
See adv index at end of book
Union Spring & Mfg. Co., New Kensington, Pa.
Union Steel Casting Co., Dept. H, 62d & Butler, Pittsburgh, Pa.

2153—Castings (Carbon Steel)

Atlas Steel Casting Co. (Steel), 1963 Elmwood av, Buffalo, N. Y.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Jewell Steel & Malleable Co., Buffalo, N. Y.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
LINK-BELT COMPANY, 300 W. Pershing rd, Chicago, Ill.
See adv index at end of book
Malleable Iron Fittings Co., Branford, Conn.
Parsons Co., Newton, Ia.
Pettis W. W. Co, 416-417 First Nat'l Bank bldg., Cincinnati, O.
Smith Geo. H. Steel Castings Co. ("Dynamo" Low Carbon), 500 Clinton, Milwaukee, Wis.
Strong Steel Foundry Co., Buffalo, N. Y.
Union Steel Casting Co., Pittsburgh, Pa.
Union Spring & Mfg. Co., New Kensington, Pa.
Warren Steel Casting Co. (Crucible), 3400H Maury, St. Louis, Mo.
WHARTON WM. JR. & CO., INC., Easton, Pa.

2153a— *Castings (Caustic)

BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book

2153b—Castings (Cement Mill)

Bethlehem Steel Co., Bethlehem, Pa.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Canton Steel Foundry Co., Dept. H, 1502 Allen av S E, Canton, O.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
Louisville Car Wheel & Ry Supply Co., Louisville, Ky.
Pulaski Foundry & Mfg. Corp., 2424 Euclid av, Cleveland, Ohio
See adv index at end of book
Traylor Engineering Co., Allentown, Pa.

2154—Castings (Charcoal Iron)

Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Bethlehem Steel Co., Bethlehem, Pa
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Charcoal Iron Co. of Amer. ("Cicoa"), 1712 First Nat'l Bank bldg, Detroit, Mich.
Early W. J. Sons Fdry. Co., 812-H Sarah S. S. Pittsburgh, Pa.
FULLER-LEHIGH CO., Fullerton, Pa.
See adv index at end of book
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Grand Rapids Malleable Works, Grand Rapids, Mich.
National Roll & Foundry Co., Avonmore, Pa.
Nicholson File Co. ("Nicholson," "Superior"), Providence, R. I.
Phila. Roll & Machine Co., 52d & Grays av. Phila., Pa.
Phoenix Iron Works Co., Meadville, Pa.
POOLE ENGINEERING & MACHINE CO. (Gun), Woodberry, Baltimore, Md.
Southern Wheel Co., Railway Exchange bldg, St. Louis, Mo.
Spuck Iron & Foundry Co., 14th & Branch, St. Louis, Mo.
Standard Foundry Co., 743 Hertel, Buffalo, N. Y.
Taylor-Wilson Mfg. Co. (Gun Iron), McKees Rocks, Pa.
Townsend Foundry & Machine Shop Co., Broadway & Rensselaer, Albany, N. Y.
See adv index at end of book
Youngstown Foundry & Machine Co., Youngstown, O.

2155—Castings (Chemical Works)

Am. Manganese Bronze Co., 3501 Rhawn, Phila., Pa.
Bethlehem Foundry & Machine Co., South Bethlehem, Pa.
BUFFALO FOUNDRY & MACHINE CO., (Up to 200 Tons)
65 Winchester av, Buffalo, N. Y.
See adv index at end of book

CHEMICAL CASTINGS

BUFFOKAST

Special Iron for Acid Resisting, Heat Resisting and Other Purposes

BUFFALO FOUNDRY & MACHINE CO.

65 Winchester Avenue, Buffalo, N. Y.

Builders Iron Foundry, 9 Codding, Providence, R. I.
Camden Iron Works, Camden, N. J.
Capital Brass Fdry., Salt Lake City, Utah
Clow Jas. B. & Sons, 534 S. Franklin, Chicago, Ill.
DOBBIE FOUNDRY & MACHINE CO., Niagara Falls, N. Y.
See adv index at end of book
Duriron Castings Co. ("Duriron" acid), Dayton, O.
Eastwood Wire Mfg. Co., Belleville, N. J.
Farrar & Trefts, Inc., Buffalo, N. Y.
Ferguson & Lange Foundry Co., Clybourne av & Willow, Chicago, Ill.
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Glamorgan Pipe & Foundry Co., (Heavy), Lynchburg, Va.
Greenlee Foundry Co., 654H W Roosevelt rd, Chicago, Ill.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayettte, New York
Hunsicker Engineering Co., Lebanon, Pa.
INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book

THE INCO

MONEL METAL

CHEMICAL CASTINGS

1—Resists the Corrosion of Most Chemicals.

2—Strong As Steel and Will Not Rust.

3—Made in Our Own Foundry.

4—May Solve Your Present Problem. Consult Us.

SEE OUR INSERT AT MONEL METAL

THE INTERNATIONAL NICKEL COMPANY
67 Wall Street New York, N.Y.

Kutztown Foundry & Machine Co., 1421 Chestnut, Phila., Pa.
See adv index at end of book
Marshall Foundry Co., 28th & RR, Pittsburgh, Pa.
Moore Bros. Co. (High Grade), Elizabeth, N. J.
Pacific Foundry Co. ("Corrosiron"), 18th & Harrison, San Francisco, Cal.
Pettis, W. W. Co., 416-617 1st Natl Bank bldg, Cincinnati, O.
Phila. Roll & Machine Co., 52d & Grays av, Phila., Pa.
Phoenix Iron Works Co., Meadville, Pa.

(Continued on following page)

PULASKI FOUNDRY & MANUFACTURING CORPORATION

FOUNDERS, MACHINISTS and BUILDERS of HEAVY MACHINERY

Main Office & Works: Pulaski, Va.; Sales Office: 2424 Euclid Ave., Cleveland, O.

Manufacturers of

Acid Resisting, Heat Resisting, Blast Furnace, Chemical Castings
Grey Iron, Converter Steel, Semi Steel and Special Heavy Pipe Castings
SUGAR MACHINERY

Castings (Chemical Works)—Cont.

PULASKI FOUNDRY & MFG. CORP., 2424 Euclid av, Cleveland, Ohio
See adv index at end of book

Sowers Mfg. Co., 1300 Niagara, Buffalo, N. Y.

Stuart & Peterson Co., Burlington, N. J.

Taylor-Wilson Mfg. Co., McKees Rocks, Pa.

TOWNSEND FOUNDRY & MACHINE SHOP CO., Broadway & Rensselaer, Albany, N. Y.
See adv index at end of book

U. S. Cast Iron Pipe & Foundry Co., Burlington, N. J.

Wood R. D. & Co., 400 Chestnut, Phila., Pa.

2156— Castings (Chilled)

Buffalo Bronze Die Cast Corp. (Tin Bronze), 100 Arthur, Buffalo, N. Y.

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book

Economy Mills, High, Oakland, Cal.

Farrar & Trefts Inc., Buffalo, N. Y.

Farrel Foundry & Machine Co. (Iron), Ansonia, Conn.

Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book

Grote F. Mfg. Co., 120 3rd av, Evansville, Ind.

Ideal Foundry & Machinery Co., 114 7th av, Beaver Falls, Pa.

Iowa Steel & Iron Works, Cedar Rapids, Iowa

LINK-BELT COMPANY, 300 W. Pershing rd, Chicago, Ill.
See adv index at end of book

Lobdell Car Wheel Co. (Iron, Any Weight), Wilmington, Del.

Louisville Car Wheel & Ry Supply Co., Louisville, Ky.

Mackintosh-Hemphill Co., 12th & Etna, Pittsburgh, Pa.

Marion Machine, Foundry & Supply Co., Marion, Ind.

Morgan Engineering Co., Alliance, O.

New York Car Wheel Co., Buffalo, N. Y.

Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.

Pressed Steel Car Co. (Iron), 307 5th av, Pittsburgh, Pa.

Russell Wheel & Foundry Co. (Iron), Chene & Bl. RR, Detroit, Mich.

Standard Foundry Co., 743 Hertel av, Buffalo, N. Y.

Stearns-Roger Mfg. Co., 1720 California, Denver, Colo.

United Iron Works Co., Kansas City, Mo.

Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

Western Steel Car & Foundry Co. (Iron), Farmers Bank bldg, Pittsburgh, Pa.

2157—Castings (Chilled Iron)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book

FULLER-LEHIGH CO., Fullerton, Pa.
See adv index at end of book

Ideal Foundry & Machinery Co., 114 7th av, Beaver Falls, Pa.

LINK-BELT CO., 300 W Pershing rd, Chicago
See adv index at end of book

Marion Machine Foundry & Supply Co., Marion, Ind.

Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.

Phila. Roll & Machine Co., 52d & Grays av, Phila., Pa.

Standard Gas Engine Co., Dennison & King, Oakland, Cal.

2158—Castings (Chrome Steel)

American Steel Foundries, McCormick bldg, Chicago, Ill.

Best Steel Casting Co., 105th av, Oakland, Cal.

Bethlehem Steel Co., Bethlehem, Pa.

Chrome Steel Works (Crucible & Open Hearth), Chrome, N. J.

Crucible Steel Casting Co., Lansdowne, Pa.

Elec. Steel Co., W 31st & S Wood, Chicago, Ill.

Judson Mfg. Co., 819 Folsom, San Francisco, Cal.

Mackintosh-Hemphill Co. (& Nickel Steel), 12th & Etna, Pittsburgh, Pa.

Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book

Sivyer Steel Castings Co., Milwaukee, Wis.

Union Spring & Mfg. Co., New Kensington, Pa.

Warren Steel Casting Co. (Crucible), 3400H Maury, St. Louis, Mo.

2159— *Castings (Compressor)

AJAX FOUNDRY CO., 58-60 Clementina, San Francisco, Cal.

Bethlehem Steel Co., Bethlehem, Pa.

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

2159a— Castings (Condenser)

Bethlehem Steel Co., Bethlehem, Pa.

BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

Cramp Wm. & Sons, Ship & Engine Bldg. Co. ("Superstrength"), Richmond & Norris, Phila., Pa.

FULLER-LEHIGH CO., Fullerton, Pa.
See adv index at end of book

KUTZTOWN FOUNDRY & MACHINE CO., 1421 Chestnut, Phila., Pa.
See adv index at end of book

Pettis W. W. Co., 416-417 First Nat'l Bank bldg., Cincinnati, O.

Pulaski Foundry & Mfg. Corp., 2424 Euclid av, Cleveland, Ohio
See adv index at end of book

Traylor Engineering & Mfg. Co., Allentown, Pa. *See adv index at end of book*

Vulcan Mfg. Co, 1200 4th av., Seattle, Wash.

2159b—*Castings (Contractors & Municipal)

Ajax Foundry Co., 58 Clementina, San Francisco, Cal.

Townsend Foundry & Machine Shop Co., Broadway & Rensselaer, Albany, N. Y.
See adv index at end of book

2160— Castings (Converter Steel)

See also Castings, Steel

Bayonne Steel Casting Co., Bayonne, N. J.

Best Steel Casting Co., 105th av, Oakland, Cal.

Connellsville Foundry Machine & Steel Casting Co., Connellsville, Pa.

Crucible Steel Casting Co., Lansdowne, Pa.

Lasker & Minck, 53 Park pl, New York

LINK-BELT COMPANY, 300 W. Pershing rd, Chicago, Ill.
See adv index at end of book

Pettis W. W. Co., 416-417 First Nat'l Bank bldg., Cincinnati, O.

LEDYARD COGSWELL, President B. JERMAIN SAVAGE, Vice-President FRANKLIN TOWNSEND, Sec'y & Treas.

Established 1807

The Townsend Foundry and Machine Shop Co.

BROADWAY AND RENSSELAER STREET

General Foundry, Pattern and Machine Shop
ALBANY, N. Y.

We specialize in Gearing, Mechanical and Chemical Machinery, Gray Iron Castings to Eight Tons, Quality Cast Iron Kettles, Mixing and Grinding Machinery for Chemical Purposes

SAND DRYERS FOR RAILROADS AND BRICK YARDS

PULASKI FOUNDRY & MFG. CORP., (Up to 7,500 pounds), 2424 Euclid av, Cleveland, Ohio
See adv index at end of book

Union Spring & Mfg. Co., New Kensington, Pa.

Wharton Wm. Jr., & Co., Inc., Easton, Pa.

2161— Castings (Copper)

Ajax Metal Co., 46 Richmond, Philadelphia, Pa.
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Manganese Bronze Co., 3501 Rhawn, Phila., Pa.
Anderson Albert & J. M. Mfg. Co. (High Electric Conductivity), 289 A, Boston, Mass.
Atlas Brass Foundry Co., The, Columbus, O.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Belfield H. Co., 435 N Broad, Phila., Pa.
Bethlehem Steel Co., Bethlehem, Pa.
Brass Foundry Co., 700 McAdams, Peoria, Ill.
See adv index at end of book

Copper Castings

Our 25 years of experience along this line enables us to furnish you with copper castings of exceptionally high conductivity.

Tell us your requirements
Our prices are right

BRASS FOUNDRY COMPANY
700 McAdams St., Peoria, Illinois
Capacity 2½ million pounds

Buckeye Brass & Mfg. Co., 6410 Hawthorne, Cleveland, O.
Buckeye Iron & Brass Works, 322 East 3rd, Dayton, Ohio
See adv index at end of book
Bunce Metal Products "Kronz" Metal), 2652 Long Beach av, Los Angeles, Cal
Connellsville Machine & Car Supply Co., Connellsville, Pa.
Cooper C. & G. Co., Mt. Vernon, O.
Cramp Wm. & Sons, Ship & Engine Bldg Co. ("Superstrength"), Richmond & Norris, Phila., Pa.
Crown Smelting Co., Chester, Pa.
Dick Bros., 3rd & Buttonwood, Reading, Pa.
Dixie Brass & Foundry Co., Birmingham, Ala.
Eastwood Wire Mfg. Co., Belleville, N. J.
Edwardsville Brass Co., Edwardsville, Ill.
ELECTRIC MATERIALS CO., North East, Pa.
Electric Power Equipment Corp. (Electrical), 13th & Wood, Phila., Pa.
Elyria Brass & Bronze Fdry. Co., Walnut & B. O. R.R., Elyria, O.
Erie Bronze Co., 353 W. 19th, Erie, Pa.
Eureka Co., North East, Pa.
Gerdes & Co. Inc., 42 Church, New York
See adv index at end of book
Gilbert A. & Sons Brass Foundry Co., 4019 Forest Park blvd, St. Louis, Mo.
Graham Jas. & Co., New Haven, Conn.
Great Lakes Brass Foundry (Solid), Bay City, Mich.
Hampden Brass Co., Springfield, Mass.
Hansen & Olson Co., 506 S Green, Chicago, Ill.
Henderson Shipbuilding Co., Mobile, Ala.
Hoffman Bronze & Aluminum Castings Co., 1000 Addison rd, Cleveland, O.
Hungerford U. T. Brass & Copper Co., ("Star"), Lafayette, New York
Ideal Foundry & Machinery Co., 114 7th av, Beaver Falls, Pa.
Jefferson Brass Foundry, 62 Delevan, Brooklyn, N. Y.
Jenkins Mfg. Co., Bloomfield, N. J.
Keystone Bronze Co. (High Grade), 39th & A. V. R. R., Pittsburgh, Pa.
Knoxville Foundry & Machine Co., Knoxville, Tenn.
Laclede Brass Wks., 307 Cedar, St. Louis, Mo.
Lawrenceville Bronze Co. (Railroad, Machinery, etc), Pittsburgh, Pa.
Lee Bros. Foundry Co., Dept H, Anniston, Ala.
Liberty Brass Works, 303 W Lombard, Baltimore, Md.
Long Bros., Kokomo, Ind.
LUMEN BEARING CO., 200 Lathrop, Buffalo, N. Y.
See adv index at end of book
McKim Foundry & Machine Co., Lockport, N. Y.
Magnis Co, Inc, 860 N. Main, Los Angeles, Cal.
Marion Machine, Foundry & Supply Co., Marion, Ind.
Metal & Alloy Specialties Co. Inc., 1875 Elmwood av, Buffalo, N. Y.
Midland Brass Works, Ft Worth, Tex.
More-Jones Brass & Metal Co., B'way & Dock, St. Louis, Mo.
Never Slip Safety Clamp Co, 51 E 42nd, New York
Northwestern Brass Fdy. Co., 369 Grand av, Portland, Ore.
Penn Brass & Bronze Works, 111 Dobbin, Brooklyn, N. Y.
Pevey Foundry Co., Lowell, Mass.
Pittsburgh Brass Mfg. Co., Penn & 32nd, Pittsburgh, Pa.
Prier Brass Mfg. Co., 15th & Blue River, Kansas City, Mo.
Reeves Paul S. & Co., 1415 Catherine, Phila., Pa.
Richardson Edro Brass Co., 318 N Holliday, Baltimore, Md.
Riley John F Foundry & Mach. Co., Charleston, S. C.
San Diego Machine Co., San Diego, Cal.
Saturn Fdry. & Mach. Co., Wheeling, W. Va.
Sheeler-Hemsher Co., 311 Fairmount av, Phila., Pa.
Simplex Engineering Co., W. Bancroft & Sylvan av, Toledo, Ohio
Smeeth-Harwood Co. (For Blast Furnaces, etc), 2401 W 22d, Chicago, Ill.
Stanley Bronze Co., 85 Holland av, Bridgeport, Conn.
Toledo Brass & Novelty Works, Toledo, O.
Turner & Seymour Mfg. Co., Torrington, Conn.
Union Brass Foundry Co., Lowell, Mass.
Vanadium Metals Co., Vanadium bldg, Pittsburgh, Pa.
Venango Bronze Metal Co., Franklin, Pa.
Ward & Williams, Hancock, Mich.
Western Brass Mfg. Wks., Marshall blvd & 21st, Chicago, Ill.
Williams E. A. & Son, 109 Plymouth, Jersey City, N. J.
York Hardware & Brass Works, Inc., York, Pa.

Castings (Crucible Steel)

See firms in Castings, Steel, with the word Crucible following their names

2162— Castings (Die Cast)

Alemite Die-Casting & Mfg. Co., 2640 Belmont av, Chicago, Ill.
ALUMINUM COMPANY OF AMERICA (Aluminum), 2301 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book
Aluminum Die Casting Corp. (Aluminum & Aluminum Alloy), Garwood, N. Y.
Aluminum Mfrs. Inc., 2810 Harvard av, Cleveland, Ohio

(Continued on following page)

Hendricks Commercial Register

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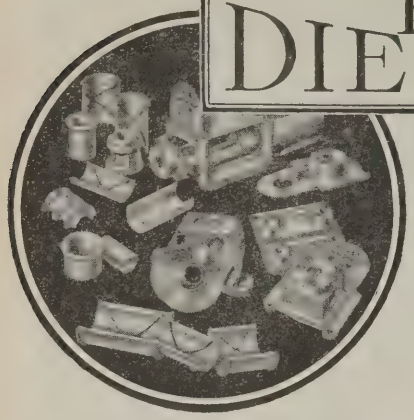
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9. To avoid unfair competition.
10. To determine what is the highest and largest function of directories and reference media in public service and then to strive in every legitimate way to promote that function.

FRANKLIN DIE-CASTINGS



IN ORDER to assist in determining the practicability of the die-casting process for the production of various parts required in your product, we are giving herewith such information regarding limits, materials, etc., as we feel has a vital bearing on the subject. Our engineers are always ready to supplement this information with any further assistance which can be rendered in connection with individual needs.

(A) *Limits — Maximum Weights for Castings.*

Aluminum—3 pounds.
Tin Base—8 pounds.
Lead Base—10 pounds.
Zinc Base—6 pounds.

(B) *Limits—Minimum Wall Thickness.*

Lead—1-32 inch.
Tin—1-32 inch.
Zinc—1-8 inch (for small castings—1-16 inch).
Aluminum—1-8 inch (for small castings—1-16 inch).

(C) *Possible Variations from Drawing Dimensions. Per inch of diameter or length.*

Lead .....plus or minus .001
Tin .....plus or minus .0005
Zinc .....plus or minus .001
Aluminum .....plus or minus .0025

Where the distance involved is several inches, these limits may sometimes be reduced.

(D) *Maximum Number of Threads.*

Lead, external.....24 per inch
Zinc, external.....30 per inch
Tin, external.....34 per inch
Aluminum, external.....20 per inch

In the case of aluminum, where close fit is required, thread should be cast oversize and chased.

Where economical, internal threads may be cast in parts made from zinc, tin or lead base alloys, but this is not possible in parts made of aluminum.

(E) *Holes.*

Lead, Tin, Zinc—1-32 inch minimum.

Regulated by depth of hole and thickness of casting.

Aluminum—3-32 inch minimum.

Size of hole is dependent on its length and the general design of castings. Holes not cast can usually be spotted to facilitate drilling.

(F) *Draft.*

Lead and Tin—Cores, .0005 per inch of length and diameter. Side walls, .001 per inch.
Zinc—Cores, .001 per inch of length and diameter. Side walls, .001 per inch.
Aluminum—Cores, .015 per inch of diameter and length. Cores less than ¼ inch diameter to have .005 per inch of length and diameter. Side walls, .005 per inch.

While the above draft is desirable, it is sometimes possible to modify these limits where they would interfere with the service required.

The following formulas are in general use by us. These, however, may be modified to meet the special requirements of each customer:

(A) *Zinc Base Alloys.*

	No. 8	No. 53*
Tin	6 %	None
Copper	3½%	3%
Aluminum	1¼%	5%
Zinc	89¼%	92%

*Horsehead spelter or its equivalent is used in this alloy.

These are most frequently used as substitutes for cast iron, but may sometimes be substituted for brass and steel, especially where inserts can be used at points subject to special strain or wear.

(B) *Babbitts or Tin Base Metals.*

	SAE 11	"S"	"B"	HGB
Tin	87%	84%	81½%	78½%
Antimony	7%	9%	13¾%	13¼%
Copper	6%	7%	4¾%	4¼%
Lead				4 %

These are used chiefly for bearings in automobile engines, compressors and other machines requiring a high-class bearing, also for parts requiring special acid-proof quality, such as soda fountain pumps, etc.

(C) *High Lead Babbitts.*

	SAE 12	No. 48	No. 17	No. 15	SAE 13
Lead	25 %	42 %	67½%	75%	84½%
Tin	61½%	48 %	17 %	15%	5 %
Antimony	10½%	8½%	15 %	10%	10 %
Copper	3 %	1½%	00½%	00%	00½%

These are chiefly used for bearings where the working conditions are not such as to demand one of the high tin alloys.

(D) *Aluminum.*

For the production of our aluminum castings, various grades of aluminum alloys can be used. In their selection we are guided by the conditions to be met, such as wall thickness, bearing requirements, hardness, etc. Fusing point of these alloys is approximately 1,150 degrees. The tensile strength will vary from 25,000 to 27,000 lbs., but may in some alloys be increased by heat treating.

FRANKLIN DIE-CASTING CORPORATION, Dept. B., Syracuse, N.Y.

Castings (Die Cast)—Continued

Am. Bearing Corp., 11th & Canal, Indianapolis, Ind.
American Castings & Mfg. Corp., 30 Main, Brooklyn, N. Y.
Am Tool & Mfg Co., Urbana, O.
Berkeley Fourniss Co., Madison, Wis.
Boesch Lamp Co., 962 Mission, San Francisco, Cal.
Buffalo Bronze & Die Cast Corp., 100H Arthur, Buffalo, N. Y.
Die Casting Co. of Ohio, Toledo, O.
Die Casting & Specialty Mfg Co., 2926 Telegraph av, Berkeley, Cal.
Doehler Die Casting Co. (Die Casting & Die Cast Babbitt Bearings), Brooklyn, N. Y.
Erie Bronze Co., 353 W. 19th, Erie, Pa.
Finished Die Castings Co., formerly Burns-Croft Co., 2239 Herndon, Chicago
FRANKLIN DIE CASTING CORP. (General Line, Finished), Gifford & Magnolia, Syracuse, N. Y.
See adv index at end of book
Hoyt Metal Co., Boatmen's Bank bldg, St. Louis, Mo.
Latrobe Die & Casting Co., Latrobe, Pa.
Legler-Eilerman Co., Dayton, O.
Light Mfg. & Foundry Co., Pottstown, Pa.
Lough Bros., 90 West, New York
Michigan Smelting & Refining Co., 7331 Jos. Campau av, Detroit, Mich.
See adv index at end of book
Milwaukee Die Castings Co. ("Milwaukee"), 297 4th, Milwaukee, Wis.
Moberg C. J., Mt. Vernon, N. Y.
Mogul Metal Co., 535 Larned W, Detroit, Mich.
MT. VERNON DIE CASTING CO. (Die Cast), Mt. Vernon, N. Y.
See adv index at end of book
Muetter Metals Co, Port Huron, Mich.
Muzzy-Lyon Co. Ltd., 11031 Shoemaker, Detroit, Mich.
National Lead Co., 111 B'way, New York
Perfection Auto Parts Co., 410 Lakeside av, Cleveland, O.
Phoenix Die Casting Co., 21 Illinois, Buffalo, N. Y.
PRECISION CASTINGS CO., INC. ("Precision Cast," White Metal Die Castings, Die Cast Babbitt Bearings, Aluminum Die Castings), Syracuse, N. Y.
Recording Devices Co., Dayton, O.
REPUBLIC DIE CASTING CO., 128A Mott, New York
Rex Mfg. Co., 1039 Cotton, Oakland, Cal.
Saal H. G. Co. (Moulded), 1800 Montrose av, Chicago, Ill.
Sandage Die & Tool Co., 409 S. San Pedro, Los Angeles, Cal.
Schroeder H. D., 800 Date, Los Angeles, Cal.
Stewart Mfg. Co. (Vacuum Process), 4505 Fullerton Av., Chicago, Ill.
Stroh Die Moulded Casting Co., 161 Michigan, Milwaukee, Wis.
Superior Die Casting Co. ("Supercast"), 872 E 72d, Cleveland, O.
United Lead Co., 111 B'way, New York
UNITED SALES CORP. (Automatic Machines for Quality Production), 41 Drumm, San Francisco, Cal.
See adv index at end of book
Veeder Mfg. Co. (Fine), Hartford, Conn.
Western Die Casting Co., Vallejo, Cal.
Wing T. J. & Co. (Journal Bearing & Hard Metal), 19 Woodward av, Detroit, Mich.

2162a—Castings (Die Molded)

FRANKLIN DIE-CASTING CORP., Gifford & Magnolia, Syracuse, N. Y.
See adv index at end of book

2162b—Castings (Die Molded, Aluminum)

Franklin Die-Casting Corp., Gifford & Magnolia, Syracuse, N. Y.
See adv index at end of book

2162c—Castings (Digester, Dryer & Tank)

KUTZTOWN FOUNDRY & MACHINE CO., 1421 Chestnut, Phila., Pa.
See adv index at end of book
Traylor Engineering & Mfg. Co., Allentown, Pa.

2163—Castings (Dredge, Steam Shovel, Etc.)

Alloy Steel & Metals Co., 55th & Alameda, Los Angeles, Cal.
American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept. H, 14th & State, Chicago Heights, Ill.
Atlas Steel Casting Co. (Steel), 1963 Elmwood, Buffalo, N. Y.
Bethlehem Steel Co., Bethlehem, Pa.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Bonney-Floyd Co. (Manganese & Various Carbon & Alloy Steels), Columbus, O.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Chapman Valve Co., Indian Orchard, Mass.
Detroit Steel Casting Co., 4069 Michigan, Detroit, Mich.
Ellicott Machine Corp., 1111 Bush, Baltimore, Md.
See adv index at end of book
Johnson's Foundry Corp., 1003 N Main, Los Angeles, Cal.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
Midvale Steel & Ordnance Co., Widener bldg, Philadelphia, Pa.
Morgan Engineering Co. (Steel), Alliance, Ohio
Parsons Co., Newton, Ia.
Pettis W. W. Co., 416-417 First Nat'l Bank bldg, Cincinnati, Ohio
Strong Steel Foundry Co. (Steel), Buffalo, N. Y.
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.
Traylor Engineering & Mfg. Co., Allentown, Pa.
Union Spring & Mfg. Co., New Kensington, Pa.
United Iron Works Co., Kansas City, Mo.
Warren Steel Casting Co., 3406H Maury, St. Louis, Mo.

DIE CASTINGS

in

ALUMINUM
BABBITT
WHITE METAL (ZINC BASE)
TIN
LEAD ALLOY

We guarantee you workmanship and delivery
We assure you of accuracy and service

Send us your blueprints for estimates

MOUNT VERNON DIE CASTING CORPORATION

Established Over 20 Years

MT. VERNON, N. Y.

2163a—Castings (Electric Steel)

Acme Steel & Malleable Iron Works, 245 Military rd, Buffalo, N. Y.
Alloy Electric Steel Casting Co., Warren, Ohio.
Alloy Steel & Metals Co., 55th & Alameda, Los Angeles, Cal.
American Steel Foundries, McCormick bldg., Chicago, Ill.
Anniston Electric Steel Corp., Anniston, Ala.
Bayonne Steel Castings Co., Bayonne, N. J
Best Steel Casting Co., 105th av, Oakland, Cal.
Bethlehem Steel Co., Bethlehem, Pa.
Cincinnati Steel Castings Co., Queen City & Spring Grove avs., Cincinnati, Ohio.
Connecticut Electric Steel Co., Inc., Hartford, Conn.
Crucible Steel Casting Co., Cleveland, Ohio
Dayton Malleable Iron Co., Dayton, O.
Dayton Steel Foundry Co., Dayton, O.
Elec. Steel Co., W 31st & S Wood, Chicago, Ill.
Enterprise Foundry Co., 2902-H 19th, San Francisco, Cal.
Everett Steel Co. ("Esco"), Everett, Wash.
Farrell Cheek Steel Foundry Co. ("F. C."), Sandusky, O.
French Creek Fdry. Co., Franklin, Pa.

GERDES & CO. INC., 42 Church, New York
See adv index at end of book

Gerlinger Electric Steel Casting Co., West Allis, Wis.
Industrial Steel Casting Co. (From ¼ to 2,000 pounds), Millard av & Front, Toledo, O.
Kay-Brunner Steel Casting Co., 2720 Frederick, Los Angeles, Cal.
Keystone Iron & Steel Works, 37th & Santa Fe av, Los Angeles, Cal.
Lamb Machine Co., Hoquiam, Wash.
Latrobe Elec. Steel Co., Latrobe, Pa.

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

Los Angeles Foundry Co., 2444H S Alameda, Los Angeles, Cal.
Milton Mfg. Co., Dept. H, Milton, Pa.
Minneapolis Elec. Steel Castings Co., 38th av, N. E., & 5th, Minneapolis, Minn.
Monarch Foundry Co. ("Monarch"), Sacramento & Oak, Stockton, Cal.
Moore & Moore Inc. (Manganese), Colonial Trust bldg, Reading, Pa.
National Malleable Castings Co., 7706 Platt, S E Cleveland, O.
Olympic Steel Works, 151 Horton, Seattle, Wash.
Pettis W. W. Co., 416-417 First Nat'l Bank bldg., Cincinnati, Ohio.
Racine Steel Castings Co., Racine, Wis.
Smith Geo. H. Steel Castings Co., 500 Clinton, Milwaukee, Wis.
Stowell Co., South Milwaukee, Wis.
Tennant Steel Casting Co., 1163 Minneapolis, Tacoma, Wash.
Union Spring & Mfg. Co., New Kensington, Pa.
United Engine & Machine Works, Inc., 507 Broadway, Fresno, Cal.
Vaughan Mortor Works, 475 E. Main, Portland, Ore.
Warman Steel Casting Co., Boyle & Slauson, Los Angeles, Cal.
Warren Steel Casting Co., 3400H Maury, St. Louis, Mo.
West Steel Castings Co., 805 E 70th, Cleveland, O.
WHARTON WM. JR. & CO. INC., Easton, Pa.

2164— Castings (Electrical)

Bethlehem Steel Co., Bethlehem, Pa.
BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Laclede Brass Wks., 307 Cedar, St. Louis, Mo.
Metal & Alloy Specialties Co. Inc., 1875 Elmwood av, Buffalo, N. Y.
National Malleable Castings Co., 10606 Quincy av, Cleveland, O.
Ohio Steel Foundry Co., Lima, O.
Premier Machinery Co., Oakland, Cal.
Pettis W. W. Co., 416-417 First Nat'l Bank bldg., Cincinnati, O.
T. & B. Brass Foundry Co., Tacoma, Wash.

2165— Castings (Evaporator)

Bethlehem Steel Co., Bethlehem, Pa.
BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Cramp Wm. & Sons Ship & Engine Bldg Co. ("Superstrength"), Richmond & Norris, Phila, Pa.
Devine J. P. Co., 1372 Clinton, Buffalo, N. Y.
Gowanda Agricultural Works ("Gowanda," for Maple Sugar, Complete Sets), Gowanda, N. Y.
Kutztown Foundry & Machine Co., 1421 Chestnut, Phila., Pa.
See adv index at end of book
Pettis W. W. Co., 416-417 First Natl. Bank bldg, Cincinnati, O.
Pulaski Foundry & Mfg. Corp., 2424 Euclid av, Cleveland, Ohio
See adv index at end of book
Townsend Foundry & Machine Shop Co., Broadway & Rensselaer, Albany, N. Y.
See adv index at end of book
Traylor Engineering & Mfg. Co., Allentown, Pa.

2165a— *Castings (Finished)

Phila. Roll & Machine Co., 52d & Grays av, Phila., Pa.
Townsend Foundry & Machine Shop Co., Broadway & Rensselaer, Albany, N. Y.
See adv index at end of book

2166-7—Castings (Gas Engine)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Builders Iron Foundry, 9 Codding, Providence, R. I.
Chrisman Foundry Co., Morgantown, W. Va.
Detroit Steel & Casting Co., 4069H Michigan, Detroit, Mich.
Enterprise Foundry Co., 2902H 19th, San Francisco, Cal.
Hanson Clutch & Machy Co., Tiffin, O.
Laclede Brass Wks., 307 Cedar, St. Louis, Mo.
Marion Machine Foundry & Supply Co., Marion, Ind.
Motor Castings Co., South Bend, Ind.
Parker-Street Castings Co., P. O. Station D., Cleveland, Ohio
Pettis W. W. Co., 416-417 First Nat'l Bank bldg., Cincinnati, O.
Standard Gas Engine Co., Dennison & King, Oakland, Cal.
Venango Bronze Metal Co., Franklin, Pa.

Castings (Gas & Water)

See Cast Iron Pipe Manufacturers, Gas & Water; also Gas Works Apparatus & Construction

2168—Castings (Glass Furnace)

Dixon H. L. Co., Rosslyn rd, Pittsburgh, Pa.
Futrell Coupler Co., Inc., Streator, Ill.
Pettis W. W. Co., 416-417 First Nat'l Bank bldg., Cincinnati, O.

2169— Castings (Grey Iron)

This List is duplicated under Machinists & Founders; see also Castings, Malleable Iron

ALABAMA.

ANNISTON — **Bosworth-Ard Machine & Foundry Co.**
BIRMINGHAM—**Birmingham Mach. & Fdry. Co. (Up to 90 Tons), 3700H 10th av**
Hardie-Tynes Mfg. Co. (Heavy up to 40,000 lbs)
Joubert & Goslin Mach. & Fdry. Co.
Montgomery Coal Washing & Mfg. Co. (Up to 2,500 lbs)
Wallwork H. Foundry Co. (Small)
HUNTSVILLE—Grace C. M. & Co. (Up to 3,000 lbs)
MOBILE—Alabama Dry Dock & Shipbuilding Co.
Henderson Shipbuilding Co.
Home Industry Iron Wks.
Mobile Stove & Pulley Mfg. Co.
MONTGOMERY—Hartley Boiler Works (Up to 10,000 lbs)
Janney & Co. (Up to 7,000 lbs)
NEW DECATUR—Decatur Cornice & Roofing Co.
TUSCALOOSA—Tuscaloosa Iron Works

ARKANSAS.

LITTLE ROCK—Arkansas Fdry. Co.

CALIFORNIA.

CHICO—Diamond Match Co. (Engineering Dept.)
COALINGA—Bunting Iron Works
FRESNO—Bennett J. H. Iron Works, Fresno, Cal.
Matthews Foundry Co., 2228 Railroad av
United Engine & Machine Works, Inc., 507 Broadway
HUNTINGTON PARK—Hess & Sackett, Inc, 601 W. Belgrave av
LOS ANGELES—American Foundry, 922 Date
Axelson Machine Co. (Quick Change Gear), Boyle av & Randolph
Baker Iron Work, 912 N B'way
Eccleston Machy Co., 162 S. Anderson
Keystone Iron & Steel Wks, 27th Santa Fe av
Lilly Bros. Foundry, 2268 E 15th
Llewellyn Iron Works.
Los Angeles Foundry Co., 2444 S Alameda, Los Angeles, Cal.
Quality Foundry & Mfg. Co., 2411 Modoc
United Casting Co., Wilson & Violet
Washington Iron Works
OAKLAND—Dalton Henry & Sons Co., Cedar & 10th
Empire Foundry Co.
Standard Gas Engine Co., Dennison & King
RICHMOND—Santa Fe Fdry Co.
SAN FRANCISCO—Ajax Foundry Co., 58-60 Clementina
Bunting Iron Wks., First Natl. Bank bldg, San Francisco, Cal.
David P. Co., Sharon bldg
Enterprise Foundry Co., 2902H 19th
Graham Jas. Mfg. Co., 531 Mission (Light)
Judson Mfg. Co., 819 Folsom
LINK-BELT MEESE & GOTTFRIED CO., 19th & Harrison
McCormick Bros. Iron Works, 617 Bryant
McKay Foundry Co., 17th & Missouri
Mission Foundry & Store Works, 2256 Harrison
Moore-Noble Foundry Co., 17th & Texas
Pacific Foundry Co., 18th & Harrison
San Francisco Stove Works, 260 Townsend
Steiger & Kerr Stove & Foundry Co., 2201 Folsom
Western Foundry, 912 Folsom
Yuba Mfg. Co., 433H California
STOCKTON—Engineering & Foundry Co., 800 N East
Monarch Foundry Co. ("Monarch")
Samson Iron Works

(Continued on following page)

Castings (Grey Iron)—Continued

CALIFORNIA—Continued

TORRANCE—Union Tool Co.
UPLAND—Upland Foundry & Machinery Co.

COLORADO.

COLORADO SPRINGS—Hassel Iron Works Co. (Up to 5 Tons)
DENVER—Denver Iron Works & Foundry Co. (Up to 5 Tons)
Enz & Air Fdry Co. (Up to 15 Tons), 1410 W Colfax
Shave Furnace & Metal Appliance Co., (Light) W. Warren av & So Delanao
Stearns-Roger Mfg. Co., 1720 Calif.
Walker Mfg. Co. (Up to 5 Tons), 2156 15th
PUEBLO—Pueblo Brass & Iron Fdry

CONNECTICUT.

ANSONIA—Farrel Foundry & Machine Co. 30 Main.
See adv index at end of book
BRIDGEPORT—Bilton Machine Tool Co., (Machine), 990 Housatonic av
Bridgeport Malleable Iron Works (Branch of Eastern Malleable Iron Co.), 719 South av
Bullard Machine Tool Co., Brewster & Canfield av
Pequonnock Foundry (Light & Medium)
BRISTOL—Sessions Foundry Co. (Small & Large to Order)
DANBURY—Turner Machine Co.
DERBY—Birmingham Iron Foundry (Heavy)
GUILFORD—Spencer's I. S. Sons (Inc.)
HARTFORD—Capitol Foundry Co.
Laragy P.
Philbrick-Booth Foundry Co., 367H Homestead
Taylor & Fenn Co.
MERIDEN—Foster, Merriam & Co.
Parker Chas. Co.
MIDDLETOWN—Wilcox Crittenden & Co. Inc., 444 S Main, Middletown, Conn. *See adv index at end of book*

GRAY IRON CASTINGS

Hot Tinned, Hot Galvanized and Machined, if desired

Wilcox, Crittenden & Co., Inc.

444 So. Main St., Middletown, Conn.

NEW BRITAIN—Malleable Iron Works ("H. & A.")
NEW HAVEN—Barnum S. H., 20 Whitney
McLagon Foundry Co. (All Weights)
Warner G. F. Mfg. Co., James & E.
NEW LONDON—Hopson & Chapin Mfg. Co. (High Grade, up to 1,000 lbs)
NORWALK—Arnold & Co.
Meeker's Union Foundry Corp.
NORWICH—Vaughn Foundry Co.
ROCKY HILL—Champion Mfg. Co.
ROXBURY—Bronson Wm. & Hy
SHELTON—Meyer Fred'k C. (Small Castings a Specialty)
SOUTH NORWALK—Wheeler Bros.
TORRINGTON—Turner & Seymour Mfg. Co.
WATERBURY—Manufacturers' Foundry Co. (Cylinder)
Waterbury Castings Co.
Waterbury Foundry Co. (Low & Medium Grade Castings)

DELAWARE.

WILMINGTON—**DU PONT ENGINEERING CO.** (& Bronze-Aluminum), Wilmington Shops
See adv index at end of book
Lobdell Car Wheel Co. (all weights)
Pusey & Jones (All Sizes up to 50 tons), H Poplar, Wilmington, Del.

FLORIDA.

JACKSONVILLE—Florida Machine Works
Southern Iron & Metal Co.
MIAMI—Lyne C. H.
OCALO—Ocalo Iron Works
ORLANDO—South Florida Foundry & Machine Works
PALATKA—Stanton Foundry & Machinery Co.
TALLAHASSEE—Tallahassee Iron Works
TAMPA—Tampa Steam Ways Co.

GEORGIA.

ATHENS—Athens Foundry & Machine Works
ATLANTA—Atlanta Utility Works
Bailey-Burruss Mfg. Co. (Up to 2,000 lbs)
Davidson & Kennedy Co., 872 N. Ashley
Georgia Car & Locomotive Co. (Up to 10,000 lbs)
Spalding Foundry Co. (Up to 10,000 lbs)
Withers Foundry & Machine Works (Up to 10,000 lbs)
AUGUSTA—Georgia Iron Works
Lombard Iron Works & Supply Co.
BRUNSWICK — Brunswick Construction Corp.
COLUMBUS—Columbus Iron Works (Up to 10,000 lbs)
Dismuke Foundry Co.
Golden's Foundry & Machine Co.
CORDELE—Tomlin-Harris Machine Co.
MACON—Taylor Iron Works & Supply Co.
NEWNAN—Cole R. D. Mfg. Co. (Up to 2,000 lbs)
ROME—Davis Foundry & Machine Works
Rome Machine & Fdry Co. (Up to 8,000 lbs)
SAVANNAH—Rourke John & Sons (up to 6,000 lbs.)
WEST POINT—West Point Iron Works
WINDER—Woodruff Machinery Mfg. Co.

ILLINOIS.

ALTON—Duncan Foundry & Machine Works (Up to 7,000 lbs)
AURORA—Aurora Foundry Co. (Machine Pulley Castings, etc)
Love Bros.
BELLEVILLE—Excelsior Foundry Co. (Up to 3,000 lbs)
Harrison Machine Works (Up to 300 lbs)
M. H. Foundry & Mfg. Co.
BELVIDERE—National Sewing Machine Co. (Up to 400 lbs)
BLOOMINGTON—American Fdry. & Furnace Co.
Ma Girl P. H. (Up to 8,000 lbs)
CAIRO—Reed Hardware & Mfg. Co.
CHAMPAIGN—Burr Co.
CHICAGO—American Building Foundry Co., 2300 S Springfield av
Bolter's A. Sons (Builders' Castings, etc), 2301 Ward
CALDWELL & SON CO. H. W., 1700 S Western av
Central Foundry Co., 338 N May
Coleman Hardware Co., 952 N. Michigan av
Cummings T. A. Foundry Co., 1338 Cortland
DeRemer Blatchford Co., Dept. H, Railway Exchange bldg
See adv index at end of book
Dee Wm. E. Co., 30 N La Salle
Ferguson & Lange Foundry Co. (1 lb to 50 tons), Clybourne av & Willow
Fort Dearborn Foundry Co., 345 W. 23rd
Greenlee Foundry Co., 664 W 12th
Griscom-Russell Co.
See adv index at end of book
ILLINOIS MALLEABLE IRON CO., 1801 Diversey blvd
See adv index at end of book
JONES W. A. FOUNDRY & MACHINE CO. (Ten Tons), 4442 W Roosevelt rd
See adv index at end of book
LINK-BELT COMPANY, 300 W. Pershing rd
See adv index at end of book
Mason Davis & Co., 7740 S Chicago av
Monighan Machine Co. (Light & Heavy), 2032 Carroll av, Chicago, Ill.
PYOTT FOUNDRY CO., 330 N Sangamon
See adv index at end of book
Randall Graphite Products Corp., 711 Fulton
Reder Foundry Co., 3536 S Oakley av.
Smith F. P. Wire & Iron Works (Specialty, Ornamental Building Castings), 2840-48 Clybourn av.
See adv index at end of book
Stewart-Warner Speedometer Corp., 1826 Diversey Parkway
Tarrant Foundry Co. (Light & Heavy), 373 W Grand av
Vierling Steel Works, 23rd & Stewart av
Western Foundry Co. (Light Grey), 3634 S Kedzie av
CHICAGO HEIGHTS—McDowell Fdry. Co. (Up to 10,000 lbs.)
DECATUR—Decatur Foundry Co. (Up to 3,000 lbs)
Stevens Mfg. & Foundry Co. (Up to 2,000 lbs)
Union Iron Works (Up to 10,000 lbs)
EAST ST. LOUIS—Excelsior Tool & Machine Co. (Up to 12,000 lbs), 32d & Ridge
FRANKLIN PARK—Franklin Park Fdry. Co.
FREEPORT—Arcade Mfg. Co. (Light)
Rawleigh, W. T. (Light and Heavy)
GALENA—Galena Iron Works Corp.
Westwick John & Son
GALESBURG—Galesburg Malleable Castings Co. (Light & Medium)
Shaw Welsh & Co.
HARVEY—Pettigrew Foundry Co. (1 oz. to 3½ tons)
JOLIET—Humphrey & Sons
Joliet Mfg. Co. (Small)
KANKAKEE—Beaumont Valve & Hydrant Works
Kankakee Foundry Co.
LITCHFIELD—Litchfield Fdry. & Machine Co.
MONMOUTH—Maple City Furnace Co.
MOUNT VERNON—Mount Vernon Car Mfg. Co.
MURPHYSBORO—Egyptian Iron Works
NORTH CHICAGO—Chicago Hardware Foundry Co. (Best Light Grey)
PEKIN—Duisdieker Foundry & Mfg. Co. (Up to 7,000 lbs)
PEORIA—Peoria Foundry Co. (Small)
PONTIAC—Spartan Mfg. Co.
QUINCY—Excelsior Stove & Mfg. Co.
Modern Iron Works
Quincy Casting Co.
ROCKFORD—Rockford Iron Works
Rockford Mfg. Co. (1 lb up to 1,500 lbs)
Roper Geo. D. Corp. (Light & Medium up to 1 Ton), 707 S Main
ROCK ISLAND—Blake Specialty Co. (From ½ to 300 lbs)
Rock Island Mfg. Co. (Up to 2,000 lbs)
SPRINGFIELD—Fetzer & Co. (Up to 14,000 lbs)
Ide A. L. & Sons, 211H N 5th
STERLING—Charter Gas Engine Co.
Novelty Iron Works (Small)
Sterling Foundry Co. (Up to 6,000 lbs)
STREATOR—Futrell Coupler Co. (Up to 5,000 lbs.)
URBANA—Leavitt Mfg. Co.

INDIANA.

ANDERSON—Anderson Foundry & Machine Wks.
Lavelle Fndry. Co.
AUBURN—Auburn Foundry Corp.
BRAZIL—Brazil Machine & Foundry Co. (Up to 3,000 lbs)
Shaw Wm. M. Co. (Small)
BEDFORD—Bedford Foundry & Machine Co.
CANNELTON—Lehman Mfg. Co.
COLUMBUS—Caldwell & Drake Iron Works (Machinery Casting a Specialty)
DECATUR—Decatur Casting Co. (The), (Light)
ELKHART—Elkhart Hardware Mfg. Co. (Small)
Elkhart Iron Works
ELWOOD—Elwood Foundry
EVANSVILLE—Grote F. Mfg. Co. (Up to 10,000 lbs.), 120 3rd av
Indiana Stove Works
FORT WAYNE—Bass Foundry & Machine Co. (Up to 60,000 lbs)
Central Foundry Co.
Menefee Foundry Co.
Western Gas Construction Co., 1431 Buchanan
GOSHEN—Kelly Foundry & Machine Co. (Up to 5,000 lbs)
HAMMOND—United Boiler Heating & Foundry Co. (Up to 10,000 lbs.)
HUNTINGTON—Majestic Co.
INDIANAPOLIS—American Foundry Co., 538 S Warman av
Enterprise Iron Works
Inter-State Car Co.
McNamara-Koster Foundry Co., 410 S Penn
National Malleable Castings Co.
Over Ewald, 921 Biddle
Peerless Foundry Co.
LAFAYETTE—Wallace Machine & Foundry Co. (For Buildings & Street Work)
MARION—Atlas Foundry Co.
Central Machine & Foundry Co.
Hulley Foundry & Machine Works (Small)
Marion Grey Iron Foundry Co. (Small)
Marion Machine, Foundry & Supply Co. (Up to 20,000 lbs.)
Rutenber Motor Co. (Light, Soft)
MICHIGAN CITY—Haskell & Barker Car Co.
MISHAWAKA—Perkins Corp. (Small)
MUNCIE—Eagle Foundry Co. (Small)
Machsts. Foundry Co.
Muncie Foundry & Machine Co.
RICHMOND — Swayne-Robinson & Co. (Small)
Wayne Works
SOUTH BEND—Motor Castings Co.
Sibley Upright Drill Co.
SOUTH BEND FOUNDRY CO.
TERRE HAUTE—Gartland Foundry Co.
WABASH—Wabash Foundry Co. (Up to 10,000 lbs.)
WARSAW—Maish Mfg. Co.

IOWA.

BOONE—Quinn Wire & Iron Works
BURLINGTON—Murray Iron Works Co. (Heavy, 60,000 lbs.)
CEDAR RAPIDS—Cedar Rapids Foundry & Machine Co. (Up to 6000 lbs.)
Iowa Steel & Iron Works
Stary Frank & Sons
COUNCIL BLUFFS—Sprague Foundry & Mfg. Co.
DAVENPORT — Davenport Locomotive Works (Up to 10,000 lbs.)
Davenport Machine & Foundry Co.
Red Jacket Mfg. Co.
DUBUQUE—Klauer Mfg. Co. (light)
MARSHALLTOWN—Central Foundry Co.
MUSCATINE — Niver Iron Works Co. (Light & Heavy, for All Purposes)
NEWTON—Parsons Co. (Up to 6,000 lbs.)
OTTUMWA—Ottumwa Iron Works
WATERLOO—Headfort Bros. & Hitchins Foundry Co.

KANSAS.

ATCHISON—Thayer Foundry Co.
KANSAS CITY—Strait H. N. Mfg. Co.
West Side Foundry Co.
LEAVENWORTH—Great Western Mfg. Co. (Up to 3 tons)

TOPEKA—Topeka Foundry & Iron Works
Western Foundry & Machine Works
WICHITA—Western Iron & Foundry Co. (Up to 1 ton)

KENTUCKY.

LEXINGTON—Lexington Engine & Boiler Works
LOUISVILLE—Avery B. F. & Sons (Plain or Machine)
Dow Wire & Iron Works
Drummond Mfg. Co.
Grainger & Co.
Vogt Brothers Mfg. Co.

LOUISIANA.

ALEXANDRIA—Ruston Foundry & Machine Shop (Ltd.)
CROWLEY—Acadia Iron Works (Ltd.)
JEANERETTE — Moresi Antoine Co. (Ltd.)
MANSFIELD—De Sota Foundry & Machine Co. (Ltd.)
NEW ORLEANS—Dibert, Bancroft & Rossco Ltd., Tulane & Hagan av
SHREVEPORT—Henderson W. K. Iron Wks. & Supply Co.

MAINE.

AUBURN—Androscoggin Foundry Co.
BANGOR—Noyes & Nutter Mfg. Co.
Union Iron Works
BATH—Torrey Roller Bushing Works
Watson Frye Co., Ltd.
DEXTER—Fay & Scott
HALLOWELL—Fuller's Geo. Sons
PORTLAND—Babbitt Chas. E., 440 Fore
Portland Co. (Up to 20 tons)
RUMFORD—Clark Foundry Co.

MARYLAND.

BALTIMORE—Bartlett Hayward Co. (All Sizes), Scott & McHenry
Bates Elevator Co., 211 Preston
Carr Stuart R. & Co., Boston & Montford av
Flynn & Emrich Co., 305 N Holliday
Kennedy Foundry Co., S. Charles & Wells
Kugler & Shane, Woodall & Clement
Lacy Jas. J. Co., Block & Wills
Levering Mfg. Co., 210 Key Highway
POOLE ENGINEERING & MACHINE CO., Woodbury
See adv index at end of book
Sexton S. B. Stove & Mfg. Co., 500 W Conway
Sheppard Isaac A. & Co., 550H S Chester, Md.
Weiskittel A. & Son Co., 12th & E Lombard
CUMBERLAND—Maryland Mould & Foundry Co.
FREDERICK—Frederick Iron & Steel Co.
HAGERSTOWN—Hagerstown Foundry Co.
Hagerstown Foundry & Machine Co.
Hull's D. F. Sons
Moore Engineering Co.

MASSACHUSETTS.

ATHOL—Athol Machine Co.
Athol Mach. & Foundry Co.
BOSTON—American Tool & Machine Co., 10 High
Boston Stove Foundry Co., 210 Border
Dow L. B., 79 Milk
Gibby Foundry Co., 96 Condor
Laconia Car Co., 60 Congress
Livermore H. F. Inc., 85 Pearl
Smith & Lovett Co., 135 Tyler
Walworth Mfg. Co., 82H Pearl
CAMBRIDGE—Barbour Stockwell Co.
Cambridge Iron Works
CAMPELLO—N. E. Fdry. & Mach. Co.
CHICOPEE—Ames Sword Co.
Spalding A. G. & Bros. Mfg. Co.
EAST BRIDGEWATER — Old Colony Foundry Co. (And Composition)
EASTON—Belcher Malleable Iron Co.
FAIRHAVEN—Fairhaven Iron Foundry Co. (Light & Heavy)
FALL RIVER—Fall River Foundry & Machine Co.
Mechanics' Foundry & Machine Co.
FRAMINGHAM—Framingham Foundries Inc.
FITCHBURG—Goodnow L. H. Foundry Co.
GARDNER—Gardner General Foundry Co.
GLOUCESTER—Reed Geo. A. & Son
HOLYOKE—McHugh Fdry. Co., 90 Sargent
INDIAN ORCHARD—Springfield Foundry Co.
LAWRENCE—Emerson Mfg. Co.
Hamblet Geo. W.
Hart Foundry Co.
LOWELL—Robinson J. Iron Fndry.
MILFORD—Milford Iron Foundry
SPRINGFIELD—Baush Machine Tool Co.
Davitt Iron Foundry, 191 Liberty
Springfield Iron Works
Wason Mfg. Co.
WAKEFIELD—Gibby Foundry Co.
WALTHAM—Waltham Foundry Co.
WEBSTER—Prescott J. B. & Son
WOBURN—Woburn Iron Foundry, Inc.
WORCESTER—Bradley Osgood Car Co., West Boylston
New England Brass Foundry, 344H Park av
Pond L. W. Machine & Foundry Co., 40 Gold
Reed-Prentice Co., 677 Cambridge
Standard Foundry Co., 25 Southgate
Washburn Shops, Boynton

MICHIGAN.

ADRIAN—Adrian Steel Casting Co.
DETROIT—Acme Fdry. Co. (⅛ to 8,000 lbs), 2503 Isabella
Central Specialty Co., 1653 St Aubin av
Detlaff A. J. Co., 121 E Lafayette
Detroit Brass & Malleable Works, 1117 Holden
Detroit Shipbuilding Co., ft. Orleans
Detroit Stoker Co. (Light & Heavy), 3-118 General Motors, bldg
Enterprise Foundry Co. (Light & Bench legs), 6463 E Warren av
Kahl Fredk Iron Foundry (Machinery), 2111 E Atwater
Michigan Grey Iron Castings Co., Harbaugh & Co.
Peninsular Stove Co.
Russel Wheel & Foundry Co., Chene Bl RR
Stuart Foundry Co., 138 Junction
ECORSE—Ecorse Foundry & Machine Co.
FERRYSBURG—Johnston Bros.
GRAND HAVEN—Dake Engine Co. (Any Size up to 10 Tons)
GRAND RAPIDS—Hartman H. J. Fdry. Co.
Leitelt Adolph Iron Works
JACKSON—Lusk Bros. Foundry Co.
KALAMAZOO—Kalamazoo Fdry. & Machine Co., 586 E Main
Riverside Foundry & Galvanizing Co. (Galvanized)
LANSING—Michigan Brass & Iron Works
Novo Engine Co.
MARQUETTE—Lake Shore Engine Works
MUSKEGON—Campbell Wyant & Cannon Foundry Co. ("C. W. C."), Sanford & McKinney av
Gray Iron Fdry. Co.
NILES—Allerton Foundry Co.
PONTIAC—Wilson Fdry. & Machine Co.
PORT HURON—Moak Machine & Tool Co.
SAGINAW—Bartlett A. F. & Co.
Jackson & Church Co.
ST. JOSEPH—St. Joseph Iron Works
TECUMSEH—Heesen Bros. Co.
YPSILANTI—Michigan Press Co.

MINNESOTA.

AUSTIN—Austin Foundry Co.
DULUTH—Gogebic Steam Boiler Works
Imperial Iron Works (Up to 17 tons)
National Iron Co.
MINNEAPOLIS—Baker Valve Co., 1855 E 28th
Central Machine Wks. Co., 1234 Central av.
Crown Iron Works Co., 1229 Tyler
Diamond Iron Works, 2d & 18th av N
Minneapolis Steel & Machinery Co. (Heavy), 2854 Minnehaha
ST. CLOUD—St. Cloud Iron Works Co.
ST. PAUL—**ST. PAUL FOUNDRY CO.** Como av & Mackubin
See adv index at end of book
Valley Iron Works, 81 E Water
ST. PETER—Bornemann Adolph
STILLWATER—Jesse August
VIRGINIA—Virginia Foundry & Machine Co.

MISSISSIPPI.

HATTIESBURG—Enterprise Fdry. & Mach. Co.
LAUREL—Laurel Machine & Foundry Co.

MISSOURI.

JOPLIN—Central Fdry. Co.
KANSAS CITY — American Scale Co. (Small), 517 Delaware
Enterprise Foundry Co. (Up to 1 Ton) 2826 Highland
Pugh Foundry Co. (Hard), 19 W Levee
United Iron Works Co., Inc., (¼ to 15,000 lbs.)
ST. JOSEPH—Berry Iron & Steel Co. (Railroad, etc)
King Mfg. Co.
ST. LOUIS—American Car & Foundry Co., Syndicate Trust bldg
American Fdry. & Mfg. Co. (Small), 11th & Hebert
Banner Iron Works (Up to 10,000 lbs), Shaw av & Oak Hill Ry
Fulton Iron Works Co., 1295 Delaware av.
Green's Car Wheel Mfg. Co., 3000 N B'way
Liberty Fdry. Co., 7600 Vulcan
St. Louis Axle Co. (Up to 3,000 lbs), 2626 La Salle W of Jefferson
St. Louis Car Co. (Railway, etc), 8000 N B'way
St. Louis Iron & Machine Works (Up to 20 Tons), 126 Chouteau av
St. Louis Malleable Casting Co., 7700 N Broadway
Southern Wheel Co. (Up to 20,000 lbs), Railway Exch bldg
Spuck Iron & Fdry. Co. (Up to 39,780 lbs), 14th & Branch
United Iron Works Co. (From ¼ to 15,000 lbs), Kansas City, Mo.
SPRINGFIELD—New Phoenix Foundry & Machine Co. (Up to 1 Ton)
United Iron Works Co. (From ¼ to 15,000 lbs)
WEBB CITY—Central Foundry Co.
Webb City & Carterville Foundry & Machine Works

MONTANA.

BUTTE—Montana Iron Works
Western Iron Works

NEBRASKA.

BEATRICE—Beatrice Iron Works
OMAHA—Paxton & Vierling Iron Works
YORK—York Foundry & Engine Works

NEW HAMPSHIRE.

KEENE—Dow L. B. Inc.,
LACONIA—Laconia Car Co. Works (of Boston, Mass.)
LANCASTER—Thompson Mfg. Co.
NASHUA—Highton Wm. & Sons Co.
White Mountain Freezer Co. (Light & Heavy to Order)

NEW JERSEY.

BOUND BROOK—Standard Foundry Co., Inc.
BURLINGTON—U. S. Cast Iron Pipe & Fdry. Co. (Heavy)
CAMDEN—Camden Iron Works (up to 130,000 pounds)
DUNELLEN—Hall Printing Press Co.
EAST NEWARK—Hewitt Jno.
EAST ORANGE—Smith A. P. Mfg. Co.
ELIZABETH—Moore Bros. Co. (High Grade)
Moore, Sam'l L & Sons
ELIZABETHPORT—Brown A. & F. Co.
FLEMINGTON—Foran Foundry & Mfg. Co.
GRENLOCH—Bateman Mfg. Co. (Light, in Quantities)
HARRISON—Reuther Bros.
HOBOKEN—Elevator Supplies Co.
Focht Geo. Sons, 117-119 Adams
IRVINGTON—Atlas Foundry Co., Lyons Av. & Cort
Barnett Foundry & Machine Co.
Bierman-Everett Foundry Co.
JERSEY CITY—Barnes Foundry Co., 169 2d
Fagan Iron Works, 14th
LAMBERTVILLE — Lambertville Iron & Steel Co.
MAHWAH—American Brake Shoe & Fdry. Co. (For Railroad Use)
NEWARK—Maher & Flockhart, Polk
Pfaff & Kendall, 655 Ferry
Sacks Louis (Star Heel Plate Only), Wilson Av
Traud Alexander Co., 5 Main
Universal Caster & Foundry, Bridgeport, Conn.
NEW BRUNSWICK—New Brunswick Iron Works
PATERSON — Eastwood Benj. Co. (All Sizes, ¼ lb to 30,000 lbs)
Paterson Foundry Co.
PHILLIPSBURG—Standard Process Steel Corp., Dept. H
POTTERSVILLE—Excel. Mfg. Co.
ROCKAWAY—Hoagland's M. Sons Co.
TRENTON—McFarland Foundry & Machine Co.
Trenton Malleable Iron Co.

NEW YORK.

ALBANY—Albany Foundry Co.
Federal Signal Co.
Gold Coin Stove & Foundry Co.
McKinney Jas & Son
Thacher Propeller & Foundry Corp.
TOWNSEND FOUNDRY & MACHINE SHOP CO., Broadway & Rensselaer
See adv index at end of book
AUBURN—McIntosh & Seymour Corp. (Heavy)
BALLSTON SPA—Davidson Namack Fdry Co.
BATAVIA—Climax Corp., Dept. H
BUFFALO—American Brake Shoe & Fdry Co., 1673 Bailey av
Buffalo Co-operative Stove Co., Amherst & Tonawanda
BUFFALO FOUNDRY & MACHINE CO. (Up to 200 Tons, Semi Steel & Air Furnace), 65 Winchester av
See adv index at end of book

CASTINGS
BUFFLOKAST
Gray Iron—Semi Steel
Any size up to 200 Tons
BUFFALO FOUNDRY & MACHINE CO.
65 Winchester Avenue, Buffalo, N. Y.

Ernest's Chas. F. Sons, 75 Lathrop
FARRAR & TREFTS, INC. (Up to 50 tons)
Frontier Iron Works (Light & Heavy Machinery Castings, etc), 36 Letchworth
Ginther's J. Sons Co., 419 Broadway
Howard Iron Works
Jewett & Co. (Up to 2000 lbs)
Lawler Iron Works, 44 Gull
North Buffalo Hardware Foundry Co. (Small), 743 Hertel av
Standard Foundry Co., 743 Hertel av.
Taylor W. P. Co., Ellicott sq (Car & Locomotive Journal Boxes a Specialty)
Trout H. G. Co.
COHOES—Cohoes Iron Foundry & Machine Co.
CORNING—Corning Foundry, Inc. (Up to 4 tons)

(Continued on following page)

Castings (Grey Iron)—Continued

NEW YORK—Continued

COXSACKIE—Newbury J. G. Iron Works
ELMIRA—Elmira Foundry Co. (Light & Heavy)
GLENS FALLS—Hopes Combustion Engng. Co. (From 50 lbs up to 1½ tons)
GOSHEN—Newbury Jay H.
GOWANDA—Gowanda Agricultural Works
GREEN ISLAND—Sweet & Doyle Foundry & Machine Co. (Up to 30,000 lbs)
HOOSICK FALLS—Wood Walter A. Mowing & Reaping Machine Co.
HORSEHEADS—Weller Hardware & Fdry Co.
HUDSON FALLS—GIFFORD-WOOD CO., Sandy Hill Iron & Brass Works
ITHACA—Holmes E. J. & Son, W State
KINGSTON—Millard Jas. & Son
LE ROY— Le Roy Plow Co.
LOCKPORT—McKim Foundry & Machine Co.
MALONE—Hinds Thomas Co.
MANLIUS—Cheney S. & Son (Small)
MECHANICSVILLE—Lynd L. E. Mfg. Co.
MEDINA—Swett A L Iron Works, 145 Glenwood av
MIDDLETOWN—Coleman Galen
MONROE—Newbury Mfg. Co. (For Steam Fittings, etc)
MUNNSVILLE—Munnsville Plow Co.
NEWBURGH—Abendroth & Root Mfg. Co.
See adv index at end of book
Caldwell-Wilcox Co.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Arwe Carl H. Mfg. Co. (Machinist) 1348-52 De Kalb av
Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut
Craig Foundry Co. (Specialty Cylinder Castings), 42 Sanford
Hecla Iron Works, 118 N 11th, New York
Meyer Otto C. & Co., 30 Franklin av
Taylor & Co., 680 Morgan av & Norman av

Boroughs of Manhattan and Bronx.

NEW YORK—American Abrasive Metals Co. ("Feralun"), 50 Church
American Brake Shoe & Fdry Co. (Up to any weight), 30 Church
American Bridge Co., 30 Church
American Car & Foundry Co., 165 B'way
Brown A. & F. Co., 79 Barclay
Buckeye Engine Co. (of Salem, O.), 39 Cortlandt
Central Foundry Co., 41 E 42d
Crane Wm. M. Co., 18 E 41st
Davies & Thomas Co., 342 Madison av
GERDES & CO., INC., 42 Church
See adv index at end of book
Granger Co. A. D., 17 Park Row
See adv index at end of book
Griscom-Russell Co., 90 West
See adv index at end of book
Lasker & Minck, 53 Park pl
Lidgerwood Mfg. Co., 96 Liberty
See adv index at end of book
Lough Bros., 90 West
Morris Elmer P. Iron Works, 136 Liberty
Nazareth Foundry & Machine Co.
Pennell J. F. Inc., 206 B'way
Pierce, Butler & Pierce Mfg. Corp., 437 East 162nd, New York City
Robins Conveying Belt Co., 15 Park Row
See adv index at end of book
Southard Robertson Co., 259 Water

Borough of Queens.

LONG ISLAND CITY—McGee Jos. Iron & Brass Foundry Co., 51 6th
Long Island Fdy. Co., Inc., 11th & 12th
Russell Foundry & Machine Works, 51 6th
RICHMOND HILL—Richmond Hill Foundry Co.

Borough of Richmond

MARINERS HARBOR — Staten Island Shipbuilding Co., 3075 Richmond ter
(End of New York City)
NIAGARA FALLS—Dobbie Foundry & Machine Co.
See adv index at end of book
NORTH TONAWANDA — Pierce-Brown Inc. (small castings)
OLEAN—Clark Bros. Co.
OSWEGO—Hessler Foundry & Mfg. Co.
POUGHKEEPSIE—Poughkeepsie Foundry & Machine Co.
ROCHESTER — Consolidated Mach. Tool Corp. of America (Up to 75 Tons)
See adv index at end of book
Enterprise Fdry. Co.
General Railway Signal Co. (Light, High Grade)
Heughes F. L. & Co.
North West Foundries, Inc.
SARATOGA SPRINGS—Baker Mfg. Corp. (Up to 20 tons)
SYRACUSE—Dunning W. D.
Dunning & Boschert Press Co., Inc., 379 W Water
See adv index at end of book
Empire Foundry Co.
Engelberg Huller Co.
Globe Malleable Iron & Steel Co., 101 Greenway av
Smith & Caffrey Co.
Stearns E. C. & Co., 450 Oneida
Straight Line Engine Co. (Loam or Green Sand to 20,000 lbs)
Syracuse Chilled Die & Casting Co.
TONAWANDA—Gillie Machine Co.
TROY—Geier & Bluhm
Hislop James W. (Machinery)
Neemes Bros. (Heavy)
Reynolds Chalou Foundry Co.
Troy Foundry & Machine Co. Inc. ("Trojan" Small & Medium Weight)
UTICA—International Heater Co., 21H Park av
Munson E. G.
Utica Steam Engine & Boiler Works (Semi-Steel)
WATERTOWN—Bagley & Sewell Co.
Harmon C. A. & Son
Massey Machine Co.

NORTH CAROLINA.

DURHAM—Durham Foundry & Machine Works.
GREENSBORO—Glascock Stove & Mfg. Co.
RALEIGH—Raleigh Iron Works Co.
SANFORD—Moffitt Iron Works Co.
WAKE FOREST—Wake Forest Foundry Co.
WINSTON-SALEM—Brigg-Shaffner Co., Dept H
Salem Iron Works

NORTH DAKOTA.

FARGO—Fargo Foundry Co.

OHIO.

AKRON—Adamson Machine Co.
See adv index at end of book
Atlantic Foundry Co.
ALLIANCE—Morgan Engineering Co.
ASHTABULA—Barber Mfg. Co.
BEREA—Dunham Co. (Up to 2,000 lbs),
BOWLING GREEN—Thornburgh Mfg. Co. (Light & Heavy)
Universal Machine Co. (Up to 6,000 lbs)
BUCYRUS—Carroll Foundry & Machine Co.
Hadfield-Penfield Steel Co.
See adv index at end of book
CANTON—American Sheet & Tin Plate Co. (Up to 20 tons)
Canton Fdry. & Mach. Co. (Light & Heavy)
Dick Jos. Mfg. Co.
Gilliam Co.
Kelly-Cohen Foundry Co., 1204 Camden av S W
UNITED MACHINE & MFG. CO.
CINCINNATI—Bardes E. H. Range & Foundry Co., 2619 Colerain
Bollmann-Wilson Foundry Co., 506 E Front
Bruce John J. Foundry Co., 2421 Colerain av
Buckeye Foundry Co., Queen City av & Buck
Elmwood Castings Co., Murray rd
Erhart Chris., 954 Cleveland
Lane & Bodley Co., Tennessee av & Paddock rd
Morris John B. Foundry Co., Court & Harriet
Oberhelman J. A. Foundry Co., 3323 Colerain
Peerless Foundry Co. (Light), Carthge
Pettis W. W. Co., 416-417 First Nat'l Bank bldg.
Queen City Foundry Co. (All Kinds of Castings), Spring Grove av & Alabama
Schreiber L. & Sons Co., 3869 Ivanhoe
CLEVELAND—Acme Palmer & De Mooy Foundry Co. (Fine, Light & Medium), 5217 Sweeney av S E
Allyne-Ryan Foundry Co., Aetna rd & E 91st
Bowler Foundry Co., 1688 Columbus
Buckeye Engine Co. (of Salem, O.), New England bldg
Chain Products Co., 3924 Copper av
City Foundry Co. (Light & Heavy Up to 50 Tons), 45th & Hamilton av
Cleveland Punch & Shear Works Co., 3921 St. Clair av, N E
Fanner Mfg. Co. (Small)
Ferro Machine & Foundry Co. (For Automobiles, Trucks & Tractors), E 66th & Hubbard av
Forest City Foundry & Mfg. Co. (Small), 1220 Main av
Grabler Mfg. Co. (1 ounce to 100 lbs)
Hill Clutch Co., Machine & Foundry, W 65th
Johnston & Jennings Co., Addison rd & N. Y. C. R. R.
Kilby Mfg. Co., 4623 Lakeside av
Madison Foundry Co. (Light & Heavy)
Ohio Foundry Co. (Light & Heavy), E 71st & Stanton
Palmer & De Mooy Foundry Co. (Light Soft Grey Iron a Specialty), 1653 Leonard N W
Parker Street Castings Co., P. O. Station D
PULASKI FOUNDRY & MFG. CORP. (Up to 30,000 pounds), 2424 Euclid av, Cleveland, Ohio
See adv index at end of book
Standard Foundry & Mfg. Co. (Light Castings & Hardware Specialties), 2717 E 75th
Superior Foundry Co., 71st & W & L E Ry
Taylor & Boggis Foundry Co. (Light)
TYLER W. S. & CO. (Light)
See adv index at end of book
Variety Iron & Steel Works Co. (Heavy), Hamilton av & E 40th
Walworth Run Foundry Co. (High Grade), 2488 W 27th
Wellman Bronze Co. (Medium & Heavy), 6017 Superior av
See adv index at end of book
Western Reserve Foundry Co. (Light & Medium), 1209 Marquette
COSHOCTON—Keagy & Lear Machine Co.
CRESTLINE—Schill Bros. Co.
CUYHAGO FALLS—Atlantic Foundry Co.
DAYTON—Buckeye Iron & Brass Works 322 E. 3rd
See adv index at end of book
Davis Sewing Machine Co., 180 S Ludlow
Dayton Malleable Iron Co.
Gem City Store Co., (Light & Medium)
Seybold Machine Co.
Smith Gas Engineering Co.
See adv index at end of book
Standard Foundry Co.
ELMORE—Multiplex Concrete Machinery Co. (Light & Medium)
ELYRIA—Duplex Mfg. & Fdry. Co.
Elyria Foundry Co. (Up to 40,000 lbs)
Garford Co.
EUCLID—Euclid Foundry Co., Dept. H
GENEVA—Champion Hardware Co. (Small Light)
HAMILTON—Central Foundry Co. (Machine Molded Pulley Castings, etc)
Deuscher H. P. Co.
Hamilton Foundry & Machine Co.
Hooven Owens, Rentschler Co. (Heavy & Machinery)
IRONTON—Ironton Punch & Shear Co. (Up to 40,000 lbs, Pneumatic Process)
LIMA—Chalmers Pump & Mfg. Co.
East Iron & Machine Co. (Up to 10,000 lbs), 351 E Market
Lima Brass Foundry
LORAIN—Lorain Casting Co. (Up to 40,000 lbs.)
MARIETTA—Pattin Bros. Co.
MARTINS FERRY—Beam Jas. H.
MASSILLON—Griscom-Russell Co.
See adv index at end of book
Hess-Snyder Co.
MEDINA—Medina Foundry Co.
MIAMISBURG — Miami Foundry Co. (Light & Medium)
MIDDLETOWN—Am. Rolling Mill Co.
MINERVA—Minerva Hardware Mfg. Co. (Light)
MOUNT VERNON—Cooper, C. & G. Co. (Heavy) (Up to 100,000 lbs.)
Mount Vernon Foundry & Engineering Co.
NEWARK—Wehrle Co.
NEW LEXINGTON—Star Mfg. Co.
NEW PHILADELPHIA—Ladel Mfg. Co.
NORWALK—Norwalk Foundry Co.
PIQUA—Champion Foundry Co., Dept H
French Oil Mill Machinery Co. (Up to 20,000lbs.)
RAVENNA—Williams A. C. Co.
Williams A. C. Co.
RIPLEY—Ripley Foundry & Machine Co.
SANDUSKY—Bay View Foundry Co.
Brown Clutch Co.
G. & C. Foundry Co.
SEVILLE—Overholt Machine Co.
SPRINGFIELD—Fairbanks Co.
Gray Iron Casting Co.
Hennessey Foundry Co.
TIFFIN—Hanson Clutch & Machy Co.
Sterling Grinding Wheel Co.
TOLEDO—Donovan Wire & Iron Co., Chicago & W. & L. E. Ry
Duncan The Co., 508 Water
Ensign Foundry Co.
Etna Machine Co.
Milmine H. B. & Co.
Toledo Foundry & Machine Co.
Toledo Shipbuilding Co.
Toledo Steel Products Co., Summit
WARREN—Trumbull Mfg. Co. (Up to 1,500 lbs.)
WAUSEON—Superior Iron & Mfg. Co. (See Toledo)
WELLSVILLE—Menough Foundry Co. (Light & Heavy)
WESTERVILLE—Hance J. W. Foundry Co.
WICKLIFFE—Cleveland Crane & Engineering Co. (40 Tons), Dept. H
WILLOUGHBY—American Clay Machinery Co. (Medium & Heavy)
YOUNGSTOWN—Mahoning Foundry Co.
NAZARETH — NAZARETH FOUNDRY (Small)
Youngstown Foundry & Machine Co. (Rolling Mill & Blast Furnace, etc)
ZANESVILLE—Dockray H. V. Brass & Iron Co.
Griffith & Wedge Co.

OREGON.

PORTLAND—Independent Foundry Co.
Vaughan Motor Works, 475 E. Main

PENNSYLVANIA.

ALLENTOWN—Daugherty Foundry Co. (Light)
Kline Hardware Co.
Mosser W. F. & Son
Traylor Engng. & Mfg. Co.

AVONMORE—National Roll & Foundry Co. (Heavy)
BANGOR—Flory S. Mfg. Co.
See adv index at end of book
BEAVER FALLS—Ideal Foundry & Machinery Corp.
Murphy Foundry Co. (Up to 2 Tons)
BELLEFONTE — Bellefonte Engineering Co.
BERKS—Berks Fdry. & Mfg. Co.
BETHLEHEM—Bethlehem Fence Wks.
Bethlehem Shipbuilding Corporation Ltd.
BIRDSBORO—Birdsboro Steel Foundry & Machine Co. (Grey, Sand & Loam)
BLOOMSBURG—Richard Mfg. Co.
BOYERTOWN—Union Mfg. Co.
BRADFORD—Blaisdell Machinery Co. (1 lb. to 3,000 lbs.)
Caldwell E. R. & Co. (Up to 25 Tons)
See adv index at end of book
BRISTOL—Harkins T. B. Foundry Co.
Standard Cast Iron Pipe & Foundry Co. (Up to 25 Tons)
BURNHAM—Standard Steel Works Co. (See Phila.)
BUTLER—Butler Engine & Foundry Co.
CATASAUQUA—**DAVIES & THOMAS CO.**
CHAMBERSBURG—Chambersburg Engineering Co. (Up to 100 Tons)
COATESVILLE—Coatesville Foundry & Machine Co. (Light & Heavy)
COLUMBIA—U. S. Lock & Hdwe Co.
CONNELLSVILLE—Connellsville Foundry Machine & Steel Casting Co., Dept. H
Connellsville Machine & Car Supply Co.
CORRY—Love Mfg. Co.
DANVILLE—Danville Iron & Steel Co. (Up to 40,000 lbs.)
DU BOIS—**DU BOIS IRON WORKS**
Osborn Machine Co.
EAST BANGOR—East Bangor Mfg. Co.
EASTON—Easton Car & Construction Co. (Rough or Machine), 36 Holley
See adv index at end of book
Kuebler Foundries, Inc.
ELIZABETHTOWN—Buch's A. Sons Co.
ELWOOD CITY—Ellwood Foundry & Mach. Co.
Standard Engineering Co. (Up to 25 Tons)
EPHRATA—Ephrata Fdry & Machine Works (Up to 1,000 lbs.)
ERIE—Cascade Foundry Co.
Cascade Foundry Co.
Erie Foundry Co.
Erie Steam Shovel Co. (Up to 20 Tons)
Odin Stove Mfg. Co.
Urick Foundry Co.
Walker Foundry Co.
FRANKLIN—Venango Bronze Metal Co.
FULLERTON—Fuller-Lehigh Co.
See adv index at end of book
GIRARD—Lake Erie Foundry Co.
GREENSBURG—Hempfield Foundry
GROVE CITY—Bessemer Foundry Co.
HARRISBURG—Harrisburg Foundry & Machine Works
Hickok W. O. Mfg. Co.
HOLLIDAYSBURG — McLanahan - Stone Machine Co.
HYDE PARK—Hyde Park Foundry & Machine Co.
IRWIN—Irwin Foundry & Mine Car Co.
JOHNSTOWN—Suppes Forge & Foundry Co.
LANCASTER—Fraim E. T. Lock Co., 237 Park av
Hubley Mfg. Co. (Light Finished in Any Manner)
Lancaster Structural & Foundry Wks.
LANSDALE—Central Radiator Co.
Heebner & Sons
Krupp Fdry. Co.
LEBANON—Buchanan Foundry Co.
Hunsicker Engineering Co.
Iron City Foundry Co.
Leetsdale Foundry & Mfg. Co.
North Lebanon Foundry Co. (Up to 5 Tons)
LYKENS—Eagle Iron Works
McKEES ROCKS—Taylor-Wilson Mfg. Co.
MARIETTA—National Castings Co.
MARS—Velte Foundry & Machine Co. (For Machinery, Gas Engine, etc)
MEADVILLE—Phoenix Iron Works Co. (Up to 10,000 lbs.)
MONONGAHELA—Coshocton Iron Co.
MOUNT CARMEL—Mount Carmel Iron Works
MOUNT JOY—Grey Iron Casting Co. (Light & Heavy)
NAZARETH—**NAZARETH FOUNDRY & MACHINE CO.** (1 to 3 tons, Rough & Machined)
NORTH WALES—North Wales Fdry. Co.
North Wales Machine Co.
OIL CITY—Oil City Boiler Wks.
OLYPHANT—Olyphant Foundry Co.
PHILADELPHIA—Adams Wm. Fdry. Co., 960 N 9th
Aetna Foundry Co., 22d & Allegheny av
Barker Jas., 6th & Cayuga
Bernstein Mfg. Co., 3d & Allegheny
Caskey & Keen (Harmony Stove Wks.), 6th & Berks
Cox & Sons Co., 5th & Chestnut
Cramp Wm. & Sons Ship & Engine Bldg. Co. ("Superstrength"), Richmond & Norris
Creswell Samuel J. Iron Works, 23d, cor Cherry
Devlin Thos. Mfg. Co., 3rd & Lehigh av
Fairmount Foundry Co., 15 & Indiana
Flagg Stanley G. & Co., 1421 Chestnut, Morris bldg
Fletcher Works, Glenwood av & 2nd
Griscom-Russell Co.
See adv index at end of book
KUTZTOWN FOUNDRY & MACHINE CO. (5 to 20,000 lbs.), 1421 Chestnut
See adv index at end of book
Link-Belt Co., Olney Fdry, 180 W Duncannon av
See adv index at end of book
Midvale Co., Nicetown
Morris I. P. Co. (Up to 50 Tons), Richmond & Norris
North Bros. Mfg. Co., Lehigh av & American
Phila. Hdwe. & Mall. Iron Wks. (Soft), 9th & Jefferson
Phila. Roll & Machine Co., 52nd & Grays av
Philadelphia Stove & Iron Foundry Co., 1631 N 5th
Schneider Bowman Co., Vandike & Frankford
SOUTHWARK FOUNDRY & MACHINE CO. (100 lbs. to 100,000 lbs.), 1123 S. 4th
See adv index at end of book
Standard Cast Iron Pipe & Foundry Co.
Wood R. D. & Co., 400 Chestnut
PHOENIXVILLE—Madco Foundry & Machine Co.
PITTSBURGH — American Bridge Co., Frick bldg.
Cyclops Foundry Co. (Up to 15 Tons), Union Bk bldg
Griscom-Russell Co.
See adv index at end of book
Mackintosh-Hemphill Co. (Heavy Rolling Mill, etc. Up to 240,000 lbs.), 12th & Etna
Mesta Machine Co. (Heavy Rolling Mill, etc) Box 1124
See adv index at end of book
Penna. Casting & Mach. Wks., 501H Preble av
Pittsburgh Lamp, Brass & Glass Co. (1 oz to 50 lbs.), 130 7th
Pittsburgh Piping & Equipment Co., 35th & Charlotte
Pittsburgh Valve, Foundry & Construction Co., 26th & A V RR
Pressed Steel Car Co. (Car, Locomotive & Machinery), 307 5th av, Pittsburgh, Pa.
Reliance Steel Casting Co., 28th & Smallman
Rosedale Foundry & Machine Co., Columbus & Preble
Sterritt-Thomas Foundry Co., 32d & Smallman
Sutton-Abramsen Engineering Co., Park bldg
United Engineering & Foundry Co., Farmers Bk. bldg
Western Steel Car & Fdry Co., Farmers Bank bldg
PITTSTON — Exeter Machine Works (Heavy)
POTTSTOWN—Colebrookdale Iron Co. (Japanned & Tinned)
Keystone Foundry Co.
POTTSVILLE—Pottsville Foundry & Stove Co.
PUNXSUTAWNEY—Punxsutawney Foundry & Machine Co.
READING—Dick Bros.
Gray Iron Foundry Co. (Small & Medium Soft)
PENN FOUNDRY & MFG. CO., Wyomissing
Speidel Elevator Corp.
Textile Machine Works (High Grade)
ROCHESTER—Olive Stove Works
SCRANTON—American Safety Lamp & Mine Supply Co. (Small), 1327 Capouse av
Barker S. G. & Son, Providence rd
Finch Mfg. Co.
McClave-Brooks Co., Poplar
National Marine Works, Inc.
Scranton Pump Co.
SHARPSVILLE—Valley Mould & Iron Corp., Dept. H
SLATINGTON—Slatington Foundry, Machine & Boiler Works (Ltd.)
SOUTH BETHLEHEM—Bethlehem Foundry & Machine Co. (One lb to 10 Tons)
Bethlehem Steel Co.
STROUDSBURG—Marsh E. B. Bro. & Co.
SWISSVALE—Union Switch & Signal Co.
TATAMY—Messinger Mfg. Co.
TYRONE—Burley Heater Co.
WARREN—Barnhart-Davis Co.
WEATHERLY—Weatherly Foundry & Machine Co. (Railroad, etc)
WILKES-BARRE—Vulcan Iron Works
Wilkes-Barre Iron Mfg. Co.
WILLIAMSPORT—Lycoming Motor Corp., Dept. H
National Foundry Mfg. & Supply Co.
Rundio Nelson L.
WRIGHTSVILLE—Riverside Foundry Co.
Susquehanna Costing Co. (Light)
Wrightsville Hardware Co. (Small)
YORK—Eyster, Weiser Co.
York Castings Co.

RHODE ISLAND.

HILLS GROVE—Rhode Island Malleable Iron Works
PAWTUCKET—White J. S. Co. (Machinery)
PROVIDENCE—Brown & Sharpe Mfg. Co.
Builders' Iron Foundry ("Globe Specials," Heavy, for Water Works, Pipe Fittings, etc), 9 Codding
Colvin Foundry Co. (All Kinds), 185 Globe
Franklin Machine Co. (1 oz. to 5 tons)
See adv index at end of book
Fuller Iron Works (Machinery, etc), 40 Tockwotton
RIVER POINT—Brayton L. Foundry Co.

SOUTH CAROLINA.

CHARLESTON—Charleston Dry Dock & Machine Co.
Riley John F.
GREENVILLE—Greenville Iron Works

TENNESSEE.

CHATTANOOGA — Acheson Foundry & Machine Wks., Alton Park
American Brake Shoe & Fdry. Co., 19th & Grove
Columbian Iron Works (Municipal), 811 Boyce
Eureka Foundry Co. (Up to 15,000 lbs), Grove & Belt Ry. Crossing
Gustafson Mfg. Co. (Up to 10,000 lbs), 211 W 26th
Jones Machine & Foundry Co., 1113 Elm
Lookout Boiler Mfg. Co. (Up to 4,000 lbs)
Price-Evans Foundry Co., Anderson av
Ross-Meehan Foundries Co. (Up to 50,000 lbs. Railroad), Carter
Southern Skein & Foundry Co., E Lake
CLARKSVILLE—Clarksville Foundry & Machine Works
JACKSON—Southern Engine & Boiler Mfg. Co. (Up to 20,000 lbs)
KNOXVILLE—Fair Foundry Co. (Up to 4,000 lbs)
Knoxville Foundry & Machine Co.
Southern Pipe & Foundry Co. (Small), 810 Island Home pk
LEWISBURG—Lewisburg Stove Co.
MEMPHIS—Chickasaw Machine & Foundry Co., 298 N 2nd
NASHVILLE—Southern Fdry. Co. (Small)

TEXAS.

AMARILLO—Hume Mfg. Co.
DALLAS—Mosher Steel & Machinery Co.
EL PASO—El Paso Foundry & Machine Co.
HOUSTON—Dickson Car Wheel Co.
Houston Car Wheel & Machine Co. (Light & Heavy)

VERMONT.

BARTON—Murkland Jno. W. Co.
BRANDON—Backus Corp.
FAIR HAVEN—Fair Haven Foundry & Machine Co.
POULTNEY—Gray Foundry, Inc.
RUTLAND—Davis Chas E. Fdry Co. (From I ounce to 1 ton)

VIRGINIA.

BRISTOL—Iron City Stove & Fdry Co.
CLIFTON FORGE—Clifton Forge Machine & Foundry Co.
COVINGTON—Covington Machine Co. (From a few ounces to 40,000 lbs.), Lexington
DANVILLE—Westbrook Elevator Mfg. Co.
LYNCHBURG—Glamorgan Pipe & Foundry Co.
Hubard Foundry & Machine Works
Lynchburg Foundry Co. (Medium & Heavy)
Southern Electro Steel Co. Inc.
NORFOLK—Eagle Iron Works (Up to 6,000 lbs)
PETERSBURG—Appomattox Iron Works & Supply Co.
RICHMOND—Cameron Stove Co.
Carr Jas. W., 7 N 25th
Richmond Foundry & Mfg. Co. (Plumbing Specialties), Hermitage rd.
Richmond Structural Steel Co. (Up to 30,00 lbs), 18th & Dock
STARKE'S DIXIE PLOW WORKS, INC., 1518 E Cary

GREY IRON CASTINGS

Production work up to 1000 lbs. First Class Castings—Hard or Soft. We specialize on MANHOLES, SEWER BASINS & INLETS, SEWER GRATINGS and GRATE BARS

Carry in Stock

"O. G." CAST WASHERS, SASH WEIGHTS

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for good work, accuracy and prompt service

STARKE'S DIXIE PLOW WORKS, Inc.

No. 1518 E. Cary St. Richmond, Va.

(Continued on following page)

Castings (Grey Iron)—Continued

VIRGINIA—RICHMOND—Continued
Strickland Machine Co., 2330 E Main
ROANOKE—Roanoke Iron & Bridge Works, Inc.
Roanoke Iron Works (Up to 10,000 lbs)

WASHINGTON.

EVERETT—Nordeen Scale & Foundry Co., 2929 Grand av
Washington Stove Wks. (Light), 3402-22 Smith av
SEATTLE—Gulowsen-Grel Engine Co., 27th W. & Commodore Way
Lake Union Foundry Co., Inc., 1703 Westlake av N
Olympic Fdry. Co. (Light & Heavy)
Seattle Astoria Iron Wks., 601H Myrtle
Variety Iron Works (Light & Heavy)
SPOKANE—Success Mfg. Co., Dept. H
TACOMA—Atlas Foundry & Machine Co., 30 & Wilkinson
Puget Sound Iron & Steel Works, Tide Flats
Union Iron Works

WEST VIRGINIA.

CHARLESTON—Kanawha Mfg. Co.
South Side Foundry & Machine Works
FAIRMONT—Fairmont Mining Machinery Co. (Soft Castings)
MORGANTOWN—Chrisman Foundry Co.
Wheeling Steel & Iron Co. (For own use only)
WHEELING—Centre Foundry & Machine Co.
Moss J. E. Iron Works
Wheeling Mold & Foundry Co.

WISCONSIN.

ALGOMA—Wodsedalak Jos.
APPLETON—Valley Iron Works Co.
BEAVER DAM—Malleable Iron Range Co.
CEDAR GROVE—Wisconsin Foundry & Steel Works
CUDAHY—Worthington Pump & Machinery Co.
GRAFTON—Grafton Foundry Co. (Light & Heavy)
GREEN BAY—Rothe Jos. F. Foundry Co.
LA CROSSE—Smith Mfg. Co.
MANITOWOC—Manitowoc Fdry. & Machine Co.
MILWAUKEE—Chain Belt Co., 746 Park
See adv index at end of book
Martin A. E. Foundry & Machine Co. (½ lb to 5 Tons), 705 Park
Meyer Geo. J. Mfg. Co., 598 Clinton
Milwaukee Malleable & Grey Iron Works, Layton Park
National Steel Foundries, Belleview pl & River
Nordberg Mfg. Co. (Heavy), Chicago & Oklahoma av
Nortmann-Duffke Co., 1233 28th av
See adv index at end of book
Schwab R. J. & Sons Co., 232 Clinton
VILTER MFG. CO., 1046 Clinton
See adv index at end of book
Wis. Iron & Wire Wks., 1560H Booth
NEENAH—Aylward Sons Co.
OSHKOSH—Challoner Co.
Universal Foundry Co.
RACINE—American Skein & Foundry Co.
Belle City Mfg. Co.
Racine Brass & Iron Co.
Simms Foundry Co.
SCHLEISINGERVILLE—La Point Foundry Co.
SHEBOYGAN — Jenkins Machine Co. (Light & Heavy)
SOUTH MILWAUKEE—Stowell Co. The
SUPERIOR—Duplex Mfg. Co.
TOMAHAWK—Tomahawk Steel & Iron Works
WAUWATOSA — Liberty Machine Co. (Light Weight)
WAUKESHA—Spring City Foundry Co.
WEST ALLIS—West Allis Foundry Co.
WEST BEND—Gehl Bros. Mfg. Co. (Up to 2000 lbs.)

2170— Castings (Gun Metal)

Ajax Metal Co., 46 Richmond, Phila., Pa.
Am. Manganese Bronze Co., 3501 Rhawn, Phila., Pa.
Atlas Brass Works, 431 Folsom, San Francisco, Cal.
Belcher Malleable Iron Co., Easton, Mass.
Bethlehem Steel Co., Bethlehem, Pa.
Block Brass Foundry Co., Inc. (Shaft Liners & Bushings), 760 23rd av, Oakland, Cal.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Builders' Iron Foundry (Iron), 9 Codding, Providence, R. I.
Crown Smelting Co., Chester, Pa.
Damascus Bronze Co. ("Damascus"), U S, Pittsburgh, Pa.
Erie Bronze Co., 353 W 19th, Erie, Pa.
Eureka Co., North East, Pa.
Fewlass Leen Brass & Iron Co., 215 Pike, Cincinnati, O.
Frederickson Co., Saginaw, Mich.
Grote F. Mfg. Co., 120-3rd av, Evansville, Ind.
Hunt-Spiller Mfg. Corpn. ("Hunt-Spiller" Gun Iron), 383 Dorchester av, Boston, Mass.
Light Mfg. & Foundry Co., Pottstown, Pa.
Metal & Alloy Specialties Co. Inc., 1875 Elmwood av, Buffalo, N. Y.
Moran Flexible Steam Joint Co., Louisville, Ky.
More-Jones Brass & Metal Co., B'way & Dock, St. Louis, Mo.
Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.
POOLE ENGINEERING & MACHINE CO., Baltimore, Md.
See adv index at end of book
Reeves Paul S. & Co., 1415 Catherine, Phila., Pa.
Brightwood Brass Foundry, Springfield, Mass.
Salt Lake Iron & Steel Co., Salt Lake City, Utah
Standard Gas Engine Co., Dennison & King, Oakland, Cal.
Staten Island Shipbuilding Co., 3075H Richmond ter, Mariners Harbor, Staten Island, N. Y.
Taylor-Wilson Mfg. Co. (Gun Iron), McKees Rocks, Pa.
Venango Bronze Metal Co., Franklin, Pa.
Walworth Mfg. Co., 142 High, Boston, Mass.
Williams E. A. Son, 109 Plymouth, Jersey City, N. J.

Castings (Hatfield Steel)

See firms in Castings, Steel, with the word Hatfield following their names

2170a—Castings (Heat Resisting)

American Abrasive Metals Co. ("Feralun," "Ferrox"), 50 Church, New York
Bethlehem Foundry & Machine Co., Bethlehem, Pa.
Bethlehem Steel Co., Bethlehem, Pa.
Buffalo Foundry & Machine Co., 65 Win-
David P. Co., Sharon bldg, San Francisco, chester av, Buffalo, N. Y.
DRIVER-HARRIS CO., Harrison, N. J.
See adv index at end of book

CASTINGS

Nichrome—for carbonizing and other high temperature work. Cimet—Acid Resisting

DRIVER-HARRIS CO.
Harrison, N. J.

562 West Randolph Street, Chicago, Ill.
General Motors Building, Detroit, Mich.

Elyria Enameled Products Co., Elyria, O.
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Lehigh Foundry Co., Fullerton, Pa.
Love Bros., Inc., Aurora, Ill.
Pioneer Alloy Products Co., Inc., 16601 Euclid av, Cleveland, Ohio
PULASKI FOUNDRY & MFG. CORP., 2424 Euclid av, Cleveland, Ohio
See adv index at end of book

2170b—Castings (Heavy Pipe—Special)

Pulaski Foundry & Mfg. Corp., 2424 Euclid av, Cleveland, Ohio
See adv index at end of book

2170c— Castings (Iron)

Ajax Foundry Co., 58-60 Clementina, San Francisco, Cal.
Bethlehem Shipbuilding Corp., Ltd., Dept. H, Broadhead & Parker av, Bethlehem, Pa.
Bosworth-Ard Machine & Foundry Co. (Hard Iron), Anniston, Ala.
Bunting Iron Works, 1215H 1st Natl. Bk. bldg., San Francisco, Cal.
CALDWELL & SON CO. H. W., 1700 Western av, Chicago
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Champion Engineering Co., The, Columbus, Ohio
Charleston Dry Dock & Machine Co., Charleston, S. C.
Cramp Wm. & Sons Ship & Engine Bldg Co. ("Superstrength"), Richmond & Norris, Phila., Pa.
Dick Bros., 3rd & Buttonwood, Reading, Pa.
Frontier Chuck & Tool Co., 30 Letchworth, Buffalo, N. Y.
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Fulton Iron Works Co., 1259 Delaware av, St. Louis, Mo.
Goodnow L. H. (Gun), Fitchburg, Mass.
Griscom-Russell, Massilon, Ohio.
See adv index at end of book
Hoe J. R. & Sons (½ Lbs. to 5 Tons), Middleboro, Ky.
Johnson J. D. Co., 43 Boerum pl, Brooklyn, N. Y.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
Keystone Iron & Steel Wks., 37th & Santa Fe av, Los Angeles, Cal.
Knowles Fdry. & Mach. Co., Ottawa, Ill.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Lawrence Foundry Co., Grove City, Pa.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Lorain Steel Co., Johnstown, Pa.
MANNING MAXWELL & MOORE, INC., 100 E 42nd, New York
See adv index at end of book
Moore & Moore Inc. (Malleable), Colonial Trust bldg, Reading, Pa.
Motor Castings Co. (Hard), Dept. H, South Bend, Ind.
National Car Wheel Co., Keystone bldg, Pittsburgh, Pa.
Pacific Car & Foundry Co., H Alaska bldg., Seattle, Wash.
Pacific Foundry Co. ("Flintcast" White Iron Castings), 18th & Harrison, San Francisco, Cal.
Pettis W. W. Co., 416-417 First Natl. Bank bldg, Cincinnati, Ohio.
Phila. Roll & Machine Co., 52nd & Grays av, Phila., Pa.
Pierce, Butler & Pierce Mfg. Corp., 437 E 162nd, New York City
Puget Sound Iron & Steel Works, Tide Flats, Tacoma, Wash.
Pulaski Foundry & Mfg. Corp., 2424 Euclid av, Cleveland, Ohio
See adv index at end of book
Reading Iron Co., Baer bldg, Reading, Pa.
Riley John F. Foundry & Mach. Co., Charleston, S. C.
Townsend Foundry & Machine Shop Co., Broadway & Rensselaer, Albany, N. Y.
See adv index at end of book
Traylor Engng. & Mfg. Co., Allentown, Pa.
Treadwell Engineering Co., Easton, Pa.
See adv index at end of book

TREADWELL ENGINEERING CO
CASTINGS—GRAY IRON
SEMI-STEEL—ANY SIZE
Also Patterns and Machine Work
EASTON PA.

Valley Mold & Iron Co., Sharpsville, Pa.
Venango Bronze Metal Co. (Small & Medium), Franklin, Pa.
Washington Iron Works, Seattle blvd & Norman av, Seattle, Wash.
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, O.

2170d—Castings (Iron Special)

Phila. Roll & Machine Co., 52nd & Grays av, Phila., Pa.
Traylor Engineering & Mfg. Co., Allentown, Pa.

2170e— *Castings (Lathe)

Champion Engineering Co., The, Columbus, Ohio
Pettis W. W. Co., 416-417 First Natl. Bank bldg, Cincinnati, Ohio

2171— Castings (Lead)

American Abrasive Metals Co. ("Plumbalun"), 50 Church, New York
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Tool & Machine Co., 10 High, Boston, Mass.
Atlas Brass Works, 612 Bryant st, San Francisco, Cal.
Bethlehem Steel Co., Bethlehem, Pa.
Brown Bros., 40-48 Garden, Stamford, Conn.
See adv index at end of book
Butler A. G. Inc., 158 Chambers, New York
Craig Foundry Co., 42 Sanford, Brooklyn, N. Y.
DIAMOND EXPANSION BOLT CO., 89 West, New York
See adv index at end of book
Erie Bronze Co., 353 W 19th, Erie, Pa.
Finished Die Castings Co., formerly Burns-Croft Co., 2239 Herndon, Chicago
FRANKLIN DIE CASTING CORP., Gifford & Magnolia, Syracuse, N. Y.
See adv index at end of book
Frederickson Co., Saginaw, Mich.
Laclede Brass Wks., 307 Cedar, St. Louis, Mo.
Liberty Brass Works, 305 W Lombard, Baltimore, Md.
Maryland Brass & Metal Works, Calvert & Federal, Baltimore, Md.
More-Jones Brass & Metal Co., B'way & Dock, St. Louis, Mo.
MT. VERNON DIE CASTING CO. (Die Cast), Mt. Vernon, N. Y.
See adv index at end of book
Neenah Brass Works, Neenah, Wis.
Perfection Auto Parts Co., 410 Lakeside av, Cleveland, O.
PRECISION CASTINGS CO., INC., Syracuse, N. Y.
Reeves Paul S. & Co., 1415 Catherine, Phila., Pa.
REPUBLIC DIE CASTING CO., 128A Mott, New York
United Lead Co., 111 B'way, New York
U. S. Indestructible Gasket Co., 831 E 15th, Brooklyn, N. Y.
See adv index at end of book
Venango Bronze Metal Co., Franklin, Pa.

2171a—Castings (Locomotive)

Anniston Electric Steel Corp., Dept. H, Anniston, Ala.
Bethlehem Steel Co., Bethlehem, Pa.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Champion Engineering Co., The, Columbus, Ohio
Chicago Bearing Metal Co. (Brass), 2220 W 43rd, Chicago, Ill.
Edgewater Steel Co., Edgewater Station & A. V. R. R., Pittsburgh, Pa.
Eureka Brass Co., 601 Red Bud av, St. Louis, Mo.
Hunt-Spiller Mfg. Corp., 3334H Dorchester av, Boston, Mass.
Janney & Co. (Iron), Montgomery, Ala.
Locomotive Finished Material Co. (Rough & Finished), Atchison, Kans.
Murray Iron Works Co., Burlington, Iowa
Pettis W. W. Co., 416-417 First Natl. Bank bldg, Cincinnati, O.
Union Spring & Mfg. Co., New Kensington, Pa.
Union Steel Casting So., Dept. H, 62nd & Butler St., Pittsburgh, Pa.

2172—*Castings (Lumen Bearing)

LUMEN BEARING CO., 200 Lathrop, Buffalo, N. Y.
See adv index at end of book
Western Foundry, 912 Folsom, San Francisco, Cal.

2173— Castings (Machinery)

See also Castings, Various Kinds
Ajax Foundry Co., 58-60 Clementina, San Francisco, Cal.
Atlantic Steel Castings Co., Chester, Pa.
Austin Welding Works, 555 Quincy, Chicago, Ill.
Barnum S. H. (medium & heavy), New Haven, Conn.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Champion Engineering Co., The, Columbus, Ohio
Cramp Wm. & Sons Ship & Engine Bldg. Co. ("Superstrength"), Richmond & Norris, Phila., Pa.
Cummings T. A. Foundry Co., 1338 Cortland, Chicago, Ill.
Detroit Steel & Casting Co. (Heavy), Detroit, Mich., 4069H Michigan
DOBBIE FOUNDRY & MACHINE CO., Niagara Falls, N. Y.
See adv index at end of book
Early W. J. Sons Fdry. Co., 812H Sarah SS, Pittsburgh, Pa.
GERDES & CO., INC., 42 Church, New York
See adv index at end of book
Goodnow L. H., Fitchburg, Mass.
Grace C. M. & Co., Huntsville, Ala.
Green's Car Wheel Mfg. Co., 3000 N B'way, St. Louis, Mo.
GRISCOM-RUSSELL CO., Massillon, O.
See adv index at end of book
Hanson Clutch & Machy. Co., Tiffin, O.
Ideal Foundry & Machinery Co., 114 7th av, Beaver Falls, Pa.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Love Bros., Aurora, Ill.
Morgan Engineering Co., Alliance, O.
Murray Iron Works Co., Burlington, Iowa
Pacific Foundry Co., 18th & Harrison, San Francisco, Cal.
Pettis W. W. Co., 416-417 1st Natl Bank bldg, Cincinnati, O.
Philbrick-Booth Foundry Co., 367H Homestead, Hartford, Conn.
Sivyer Steel Casting Co., Milwaukee, Wis.
Standard Gas Engine Co., Dennison & King, Oakland, Cal.
STARKE'S DIXIE PLOW WORKS INC., 1518 E Cary, Richmond, Va.
Swett A. L. Iron Works, 145 Glenwood av, Medina, N. Y.
Townsend Foundry & Machine Shop Co., Broadway & Rensselaer, Albany, N. Y.
See adv index at end of book
Traylor Engineering & Mfg. Co., Allentown, Pa.
Venango Bronze Metal Co., Franklin, Pa.
Ziegler Mfg. Co., Alexandria, Ind.

2174—Castings (Malleable Iron)

CALIFORNIA.

LOS ANGELES—Western Malleable Casting Co., Boyle & Slowson avs
OAKLAND—Economy Mills, High
REDDING—Northern California Engineering Works
SAN FRANCISCO—Jewell Steel & Malleable Co., 1375 Potrero av

CONNECTICUT.

BRANFORD—Hammer & Co. (Hardware Specialties, etc.)
Malleable Iron Fittings Co. (Air Furnace Refined)
BRIDGEPORT — Bridgeport Malleable Iron Works, 719 South av, Branch of Eastern Malleable Iron Co.
Crane Co., South av
See adv index at end of book
MIDDLETOWN—Wilcox, Crittenden & Co. Inc. (Small to Order), 444 S. Main *See adv index at end of book*
MOUNT CARMEL—Woodruff Walter W. & Son Co. (Carriage & Miscellaneous)
NAUGATUCK—Eastern Malleable Iron Co. (All Kinds)
NEW BRITAIN—Malleable Iron Works ("H. & A.")
North & Judd Mfg. Co. (Castings to Order)
Vulcan Iron Works, br of Eastern Malleable Iron Co. (All Kinds)
NEW HAVEN—North O. B. & Co.
TERRYVILLE—Terry Andrew Co. (Keys, Hinges & Small)

ILLINOIS.

BRADLEY—Bradley David Machine Works
CHAMPAIGN—Cushman Co. Inc. (Up to 12 lbs.)
CHICAGO—Chicago Malleable Castings Co. (Certified), 120th & Racine av
ILLINOIS MALLEABLE IRON CO. (Pipe, Fittings & General), 1801 Diversey blvd
See adv index at end of book
National Malleable Castings Co. (Railroad, etc), 2610 W 25th pl.(See Cleveland, O.)
Pratt Wm. E. Mfg. Co., 35 W Lake
Stewart-Warner Speedometer Corp., 1826 Diversey Parkway
DANVILLE—Danville Malleable Iron Co.
DECATUR—Decatur Malleable Iron Co.
Wagner Malleable Iron Co.
EAST MOLINE—Union Malleable Iron Co.
EAST ST. LOUIS—National Malleable Castings Co.
FRANKLIN PARK—Franklin Park Fdry. Co.
GALESBURG—Galesburg Malleable Castings Co. (Light & Medium)
HOOPESTON—Vermilion Malleable Iron Co., 205 N. 6th av
JOLIET—Pratt Wm. E. Mfg. Co.
MADISON—American Car & Foundry Co.
MELROSE PARK — National Malleable Castings Co. (See Cleveland, O.)
MOLINE—Cooper H. W. Saddlery Hdw. Mfg. Co.
PEORIA—Peoria Malleable Castings Co., Alexander av
ROCKFORD — Rockford Malleable Iron Works (Machinery & General)
ST. CHARLES—Faultless Iron Works
Moline Malleable Iron Co. (All Kinds)

INDIANA.

HAMMOND—Wanner Malleable Foundry Co.
INDIANAPOLIS—Link-Belt Co. Belmont Foundry
See adv index at end of book
National Malleable Castings Co. (Railroad, etc). (See Cleveland, O.)
MARION—Marion Malleable Iron Works (Certified), 2300 W. 9th
MICHIGAN CITY—Haskell & Barker Car Co. (Car & R R Castings)
MUNCIE—Machsts. Foundry Co.
Muncie Malleable Foundry Co. (Agricultural, Railroad, etc.), Dept. H
RICHMOND—Richmond Malleable Castings Co.
SOUTH BEND—Motor Castings Co., Dept. H
South Bend Chilled Plow Co.
TERRE HAUTE—Terre Haute Malleable & Mfg. Co.

IOWA.

FAIRFIELD—Iowa Malleable Iron Co.

MARYLAND.

BALTIMORE—Baltimore Malleable Iron & Steel Casting Co., So Charles & Wells
Symington T. H. Co., Md. Trust bldg.

MASSACHUSETTS.

BOSTON—Laconia Car Co. (For Electrical Work), 60 Congress
Livermore Homer F. Inc., 85 Pearl
Walworth Mfg. Co., 82H Pearl
EASTON—Belcher Malleable Iron Co. (Machinery, Agricultural, etc)
WORCESTER—Arcade Malleable Iron Co. (Castings of Every Description)

MICHIGAN.

ALBION—Albion Malleable Iron Co. (Agricultural, Carriages, etc)
BENTON HARBOR—Benton Harbor Malleable Foundry Co.
DETROIT—Buhl Malleable Co., Wight & Adair
Detlaff A. J. Co., 121 E Lafayette
Detroit Brass & Malleable Works, 1117 Holden
Michigan Malleable Iron Co. (Car, Agricultural, etc), Delray
GRAND RAPIDS—Grand Rapids Malleable Works
KALAMAZOO—Kalamazoo Malleable Iron Co.
MUSKEGON—Standard Malleable Iron Co.

MINNESOTA.

ST. PAUL—Northern Malleable Iron Co. (Agricultural Implement & Railroad), Wells & Forest

MISSOURI.

ST. LOUIS—American Car & Foundry Co., Syndicate Trust bldg. Works: St. Charles
St. Louis Car Co. (Car & R. R.), 3000 N B'way
St. Louis Malleable Casting Co., 7700 N Broadway

NEW HAMPSHIRE.

LACONIA—Laconia Car Co. (For Electrical Work
NASHUA—Highton Wm. & Sons Co.

NEW JERSEY.

BURLINGTON—Devlin Thos. Mfg. Co. (See Phila., Pa.)
NEWARK—Meeker Foundry Co, (All Kinds), 95 Clay
TRENTON—Trenton Malleable Iron Co. (All Kinds)

NEW YORK.

ALBANY—Albany Malleable Iron Co.
BATAVIA—Massey-Harris Harvester Co.
BUFFALO—Acme Steel & Malleable Iron Works, 245 Military rd
Jewell Steel & Malleable Co.
Pratt & Letchworth Co. (Small & Large), 189 Tonawanda
DEPEW—Gould Coupler Co.
HOOSICK FALLS—Wood Walter A., Mowing & Reaping Machine Co. (For Own Consumption)
LANCASTER—American Malleables Co.
LOCKPORT—Lockport Foundries Corp.

NEW YORK CITY.

Boroughs of Manhattan and Bronx.

NEW YORK—American Car & Foundry Co., 165 B'way
American Malleables Co., 30 Church. (Works: Bloomfield, N. J.)
GERDES & CO., INC., 42 Church, New York
See adv index at end of book
Gould Coupler Co., 30 E 42nd
Johnson Isaac G. & Co. (All Kinds), Spuyten Duyvil
LARKIN & CO. J. K., 253 Broadway
See adv index at end of book
Lasker & Minck, 53 Park pl
Lough Bros., 90 West
McMann & Taylor Co., 104 John
See adv index at end of book
Symington T. H. Co., 233 H Bway
U. S. Castings Co. (Selling Agent), 25 Elm
(End of New York City)
ORISKANY—Oriskany Malleable Iron Co. (Ltd.) (All Kinds, Light, Medium & Heavy)
ROCHESTER—Symington Co., Lincoln Pk.
SYRACUSE—Frazer & Jones Co. (Saddlery, Agricultural & General)
Globe Malleable Iron & Steel Co. (Specialty, Automobile Castings), 101 Greenway av
Smith Wheel, Inc.
Syracuse Malleable Iron Works (Automobile, Railway, Agricultural, Air Furnace, etc)
TROY—Troy Malleable Iron Works of Eastern Malleable Iron Co. (Castings for All Purposes, Specialties R R & Electric Motor Truck Castings)
WESTMORELAND — Westmoreland Malleable Iron Co. (Ltd.) (Agricultural, Carriage, Saddlery & General)

NORTH CAROLINA.

WINSTON-SALEM—Briggs-Shaffner Co., Dept. H

OHIO.

BARBERTON—Pittsburgh Valve & Fittings Co.
BEDFORD—Holmes Bronze Foundry Co.
CANTON—Canton Malleable Iron Co., (General Castings), 2408 13th N E
Elbel Mfg. Co. (The) (Saddlery, Hardware & Castings), 826 Mulberry rd
Gilliam Mfg. Co., 820 Savannah av, S E
CINCINNATI—Haven Malleable Castings Co. (Carriage Hardware & Custom)
Pettis W. W. Co., 416-417 First Natl. Bank bldg.
CLEVELAND — Chisholm Moore Mfg. Co. (Light & General, Smooth & Well Annealed Castings), 5046 Lakeside
Eberhard Mfg. Co. (Saddlery Only), C. & P. Ry & Tennyson rd.
Fanner Mfg. Co. (Small)
Grabler Mfg. Co. (Small)
Harsch John Bronze & Foundry Co., Madison av
National Malleable Castings Co., H Quincy
COLUMBUS—Columbus Malleable Iron Co.
Jeffrey Mfg. Co., 961 N Fourth
See adv index at end of book
Ohio Malleable Iron Co. (All Kinds), 961 N Fourth
DAYTON—Dayton Malleable Iron Co. (For Railroad & Car Builders & Agricultural Implements, etc)
MANSFIELD—Ohio Brass Co.
MARION—American Malleable Casting Co.
SPRINGFIELD—American Seeding Machine Co. (Agricultural Implements Only)
International Harvester Co. (Champion Works)
Springfield Malleable Iron Co. (Small & Railroad Castings)
TOLEDO—Maumee Malleable Castings Co. (Railroads, etc.)
National Malleable Castings Co. (Railroad, etc.) (See Cleveland, O.)

(Continued on following page)

Castings (Malleable Iron)—Cont.

OHIO—TOLEDO—Continued
United States Malleable Iron Co. (Automobile, Carriage, R. R. & Implement)
WARREN—General Malleable Co.
Trumbull Mfg. Co.
Warren Tool & Forge Co., 145 Griswold *See adv index at end of book*

CERTIFIED
MALLEABLE CASTINGS
The Warren Tool & Forge Co.
145 Griswold St., Warren, Ohio, U. S. A.

WAUSEON—Superior Iron & Mfg. Co. (See Toledo, O.)
YOUNGSTOWN—Youngstown Furnace Co.
ZANESVILLE—Zanesville Malleable Co.

PENNSYLVANIA.

BURNHAM—Standard Steel Works Co. (See Phila.)
CHAMBERSBURG—Chambersburg Foundry & Machine Co.
EASTON—Kuebler Foundries
ERIE—Erie Malleable Iron Co. (All Kinds)
Jarecki Mfg. Co. (Fittings, etc)
LANCASTER—Lancaster Foundry Co.
McKEES ROCKS—Fort Pitt Malleable Iron Co.
Pressed Steel Car Co. (See Pittsburgh, Pa.)
MEADVILLE—Meadville Malleable Iron Co. (Refined Air Furnace Iron)
OIL CITY—Oil Well Supply Co.
PHILADELPHIA—Devlin Thos. Mfg. Co. (Carriage, Saddlery, Agricultural, Pipe Fittings, etc), 3d & Lehigh av
Flagg Stanley G. & Co., 1421 Chestnut, Morris bldg., Works: Pottstown
Phila. Hdwe. & Mall. Iron Wks. (Light), 9th & Jefferson
Standard Steel Works Co., Morris bldg. Works: Burnham
Temple Malleable Iron & Steel Co., Harrison bldg. Works: Temple, Pa.
PITTSBURGH—Fort Pitt Malleable Iron Co., Thompson & Crawford
Pittsburgh Malleable Iron Co., 34th & Smallman, Pittsburgh, Pa.
Pressed Steel Car Co. (Car & Locomotive), 307 5th av
Western Steel Car & Fdry. Co., Farmers Bank bldg
READING—Moore & Moore, Inc. (Dirs.), H Colonial Trust bldg
SHARON—National Malleable Castings Co. (Railroad, etc) (See Cleveland, O.)
STOWE—Flagg Stanley G. & Co. (See Phila., Pa.)
TEMPLE—Temple Malleable Iron & Steel Co. (Office: Phila., Pa.)

RHODE ISLAND.

HILLS GROVE—Rhode Island Malleable Iron Works (All Kinds)

TENNESSEE.

CHATTANOOGA—Ross-Meehan Foundries (Railroad), Carter

VIRGINIA.

BASIC—Penn Foundry & Mfg. Co.

WEST VIRGINIA.

POINT PLEASANT—West Virginia Malleable Iron Co.

WISCONSIN.

BEAVER DAM—Malleable Iron Range Co. Western Malleables Co.
MILWAUKEE—Chain Belt Co., 746 Park
See adv index at end of book
Milwaukee Hay Tool Co., Layton Park
Milwaukee Malleable & Grey Iron Works, Layton Park
Northwestern Malleable Iron Co. (Agricultural, Car, etc), 756 Park
South Side Malleable Casting Co., 14th av & Ry Tracks
Wisconsin Malleable Iron Co. (Refined Air Furnace), South Bay
RACINE—Belle City Malleable Iron Co.
Lakeside Malleable Castings Co. (Agricultural, R. R., etc)
Racine Malleable & Wrought Iron Co. (Wrought Carriage & Saddlery Hardware & Casting, etc.)
SOUTH MILWAUKEE—Badger Malleable & Mfg. Co. (For All Purposes)
Stowell Co. The (Castings for All Purposes)
WAUKESHA—Waukesha Malleable Iron Co. (Farm Implements, Logging Tools, etc.)
TACOMA—Atlas Foundry & Machine Co., 30 & Wilkinson
WEST ALLIS—Federal Malleable Co. (Refined)

2175—Castings (Manganese Bronze)

Ajax Metal Co., 46 Richmond, Phila., Pa.
Allis-Chalmers Mfg Co., Milwaukee, Wis.
See adv index at end of book
AMERICAN MANGANESE BRONZE CO. ("Spare's," "Hy-Ten-Si"), 3501 Rhawn, Phila., Pa.
Atlas Brass Foundry Co., Columbus, O.
Barkay Co., Inc., 26 Institute, Jamestown, N. Y.
See adv index at end of book
Bethlehem Steel Co., Bethlehem, Pa.
Brown Bros., 46-48 Garden, Stamford, Conn.
See adv index at end of book
City Brass Foundry Co., 5318 St. Clair av, Cleveland, O.
Clayton & Lambert Mfg. Co., 1370-80 Beaubien, Detroit, Mich.
Columbian Bronze Corp., Freeport, Long Island, N. Y.
Cramp Wm. & Sons Ship & Engine Bldg. Co. ("Parsons," "Cramp" & "Superstrength"), Richmond & Norris, Phila., Pa.
Crown Smelting Co., Chester, Pa.
Davenport Locomotive Wks., Davenport, Ia.
Detroit Torch & Mfg. Co., 12057 Cardoni av, Detroit, Mich.
Dick Bros., 3rd & Buttonwood, Reading, Pa.
Dorchester Brass & Aluminum Fdry., Dept. H, Hyde Park, Mass.
Elyria Brass & Bronze Fdry. Co., Dept. H, Walnut & B. & O. RR., Elyria, O.
Erie Bronze Co., 353 W 19th, Erie, Pa.
Federal Brass Works, 3100 S Kedzie, Chicago, Ill.
Gilbert A & Sons Brass Fdry Co., 4019 Forest Park blvd, St. Louis, Mo.
Gulowsen-Grei Engine Co., 27th W. & Commodore Way, Seattle, Wash.
Highton Wm. & Sons Co. ("Parsons"), Nashua, N. H.
Hoffman Bronze & Aluminum Castings Co., 1000 Addison rd, Cleveland, O.
Imperial Brass Mfg. Co., 1200 W Harrison, Chicago, Ill.
KEYSTONE BRONZE CO. (Highgrade), 39th & A. V. R. R., Pittsburgh, Pa.
Kokomo Brass Works, Kokomo, Ind.
Laclede Brass Wks., 307 Cedar, St. Louis, Mo.
Lamb Machine Co., Hoquiam, Wash.
Levett Walker M. Co., 417 E 23rd, New York
Light Mfg. & Foundry Co. ("Automobile"), Pottstown, Pa.
Lima Metals Foundry Co., Lima, O.
LUMEN BEARING CO., 200 Lathrop, Buffalo, N. Y.
See adv index at end of book
McGee Jos. Iron & Brass Fdry. Co., 51 6th, Long Island City, N. Y.
Marion Machine, Foundry & Supply Co., Marion, Ind.
Maryland Brass & Metal Works, Calvert & Federal, Baltimore, Md.
Metal & Alloy Specialties Co., Inc., 1875 Elmwood av, Buffalo, N. Y.
More-Jones Brass & Metal Co., Broadway & Dock, St. Louis, Mo.
Morgan Engineering Co., Alliance, O.
Morris I. P. Co., cor. Richmond & Norris, Phila., Pa.
National Bronze & Aluminum Fdry. Co., 2539 E 79th, Cleveland, O.
New London Marine & Iron Works, New London, Conn.
North American Smelting Co., 9th & Thompson, Phila., Pa.
Oberdorfer M. L. Brass Co. (Anti-Acid), 810 E. Water, Syracuse, N. Y.
Oregon Brass Works, 73 N. 2nd, Portland, Ore.
Parsons Co., Newton, Ia.
Pioneer Brass Works, 1102 E 23rd, Indianapolis, Ind.
Reading Brass Works, Reading, Pa.
Reeves Paul S. & Co., 1415 Catherine, Phila., Pa.
Rock Island Metal Foundry ("Parson's"), 505 41st, Rock Island, Ill.
Ryder Brass Foundry Co., Bucyrus, O.
Sherwood Brass Works, 6331 Jefferson E, Detroit, Mich.
Standard Brass Casting Co., Dept. H, 3rd & Jefferson, Oakland, Cal.
Standard Gas Engine Co., Dennison & King, Oakland, Cal.
Staten Island Shipbuilding Co., 3075H Richmond ter, Mariners Harbor, Staten Island, N. Y.
Union Iron Works Co., 20th & Michigan, San Francisco, Cal.
Vanadium Metals Co., Vanadium bldg, Pittsburgh, Pa.
Williams E. A. & Son, 109 Plymouth, Jersey City, N. J.

2176—Castings (Manganese Steel)

Alloy Steel & Metals Co., 55th & Alameda, Los Angeles, Cal.
American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept. H, 14th & State, Chicago Heights, Ill.
American Steel Foundries, McCormick bldg, Chicago, Ill.
Bethlehem Steel Co., Bethlehem, Pa.
Bonney-Floyd Co., Columbus, O.
Brylgon Steel Casting Co. (High Manganese or other Special Grades), New Castle, Del.
Chicago Steel Foundry Co., 3701 S Kedzie av, Chicago, Ill.
Columbia Steel Co., 351 California, San Francisco, Cal.
Crucible Steel Casting Co., Landsdowne, Pa.
Enterprise Foundry Co., 2902H 19th, San Francisco, Cal.
Frog Switch & Mfg. Co. ("Indian Brand"), Carlisle, Pa.
Hess Steel Corp'n, Lowney's La. & Biddle, Baltimore, Md.
Lamb Machine Co., Hoquiam, Wash.
Moore & Moore Inc. (Dirs Electric), H, Colonial Trust bld, Reading, Pa.
Parsons Co., Newton, Ia.
Pettibone Mulliken Co., 140 S. Dearborn, Chicago, Ill.
Rogers C. E. Brass Foundry, 64H Plympton, Boston, Mass.
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.
Union Spring & Mfg. Co., New Kensington, Pa.
Wharton Wm. Jr. & Co. Inc., Easton, Pa.
Warren Steel Casting Co., 3400H Maury, St. Louis, Mo.

2177— Castings (Marine)

Atlas Steel Casting Co. (Steel), 1968 Elmwood av, Buffalo, N. Y.
Bethlehem Steel Co., Bethlehem, Pa.
Bosworth-Ard Machine & Foundry Co., Anniston, Ala.
Broadfoot Iron Works, Wilmington, N. C.
Brown Bros., 46-48 Garden, Stamford, Conn.
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Capitol Brass Works, 596 Franklin, Detroit, Mich.
Columbian Bronze Corp., 522 5th av, New York
Cramp Wm. & Sons Ship & Engine Bldg. Co. ("Superstrength"), Richmond & Norris, Phila., Pa.
Crown Smelting Co. (Brass), Chester, Pa.
Eastwood Wire Mfg. Co., (Brass, Bronze, etc.), Belleville, N. J.
Erie Bronze Co., 353 W 19th, Erie, Pa.
Frontier Iron Works, 36 Letchworth, Buffalo, N. Y.
Great Lakes Engineering Works, Real Estate Exch. bldg., Detroit, Mich.
Harsh John Bronze & Foundry Co., Madison av, Cleveland, Ohio
Home Industry Iron Wks. Mobile, Ala.
Ironton Punch & Shear Co. (River Only), Ironton, O.
Keystone Bronze Co., 39th & A. V. R. R., Pittsburgh, Pa.
Laclede Brass Wks., 307 Cedar, St. Louis, Mo.
Minneapolis Elec. Steel Castings Co., 38th av N E & 5th, Minneapolis, Minn.
Montague Iron Wks., 189 W Madison, Chicago, Ill.
Morgan Engineering Co., Alliance, O.
Reeves Paul S. & Co., 1415 Catherine, Phila., Pa.
Riley John F. Fdry. & Mach. Co., Charleston, S. C.
Staten Island Shipbuilding Co., 3075H Richmond ter, Mariners Harbor, Staten Island, N. Y.
Strong Steel Foundry Co. (Steel), Buffalo, N. Y.
Thacher Propeller & Foundry Corp., Albany, N. Y.
Traylor Engineering & Mfg. Co., Allentown, Pa.
Vanadium Metals Co., Vanadium bldg., Pittsburgh, Pa.
Warren Steel Casting Co., 3400H Maury, St. Louis, Mo.

2178— Castings (Mining)

Bethlehem Steel Co., Bethlehem, Pa.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Cramp Wm. & Sons Ship & Engine Bldg. Co., Richmond & Norris, Phila., Pa.
Detroit Steel & Casting Co., 4069H Michigan, Detroit, Mich.
Laclede Brass Wks., 307 Cedar, St. Louis, Mo.
Pettis W. W. Co., 416-417 First Natl. Bank bldg. Cincinnati, Ohio
T. & B. Brass Founlry Co., Tacoma, Wash.

2179—Castings (Monel Metal)

(Names with * also manufacture Monel Metal)
***Alloys Brass & Foundry Co., 4317 N Western av, Chicago, Ill.**
***American Manganese Bronze Co., Holmesburg, Philadelphia, Pa.**
***Anderson Foundry, A. H., 1213 Fulton, Chicago, Ill.**
***Atlas Bronze Co., Columbus, Ohio**
AUTOSCREW CO. (Castings and Forgings Machined to order, Screws & Nuts in stock), 355 W. Broadway, New York
See adv index at end of book
***Dent Hardware Co.** (Refrigerator Hardware, etc.), Fullerton, Pa.
***Eagle Brass Foundry Co., Seattle, Wash.**
***Erie Bronze Co., Erie Co., Erie, Pa.**
***Gerline Brass Foundry, Kalamazoo, Mich.**
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall st, New York. (See insert under Monel Metal)
See adv index at end of book
Jefferson Brass Foundry, 62 Delevan, Brooklyn, N. Y.
***Jenkinson Brass Foundry Co., Central Falls, R. I.**
***Kinsey & Mahler Co., Peoria, Ill.**
***Lunkenheimer Co., Cincinnati, Ohio**
MANNING, MAXWELL & MOORE, INC., 100 E 42nd, New York
See adv index at end of book

(*Continued on page 762*)

MANNING, MAXWELL & MOORE, Inc. M·M·M CASTINGS

A HEAT AND CHEMICAL RESISTANT METAL FOR CASTING

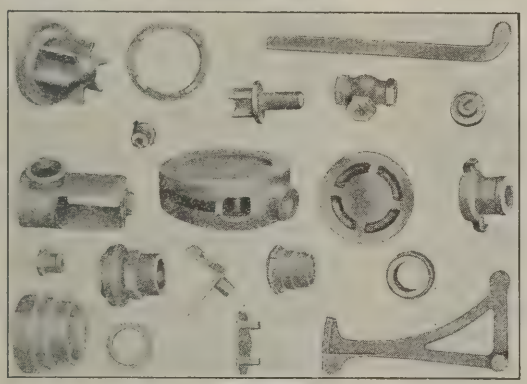


Special Electric Furnace from which we cast

MODIFIED MONEL METAL—a product of our own foundry made from the Monel Metal produced by the International Nickel Company.

M·M·M

Particular characteristics of this MODIFIED MONEL METAL are:



VARIOUS M·M·M CASTINGS

1st Its resistance to the erosive action of high pressure superheated steam.

2nd Its non-corrosive properties when exposed to hot oils and to most chemicals such as sea water, sulphuric acid and dye baths.

3rd Its physical properties at high temperatures. At room temperatures, its tensile strength is approximately 70,000 lbs. per square inch. At 600 to 900 degrees F. it retains considerably more than three-quarters of this value.

PRICES UPON APPLICATION

Advise us of your needs and try a sample casting

or write for Catalog M

While the above properties make Monel Metal particularly valuable for use under exposure to heat or chemicals, Monel is one of the most difficult metals to cast successfully. This is due to lack of fluidity at pouring and to a discouraging prevalence of porosity and other defects, particularly in the more difficult patterns.

In our MODIFIED MONEL METAL, however, an improved mixture and improved foundry technique has removed these objections without sacrificing any of the characteristic properties. "M-M-M" flows readily and cleanly into the most difficult shapes and reduces the percentage of failure to a figure truly remarkable. Again we suggest that you try a sample casting or write for Catalog M. Our service is at your command.

The Ashcroft Mfg. Co., *Sales Dept. of* **Manning, Maxwell & Moore, Inc.**

Western Sales Office: 29 N. Jefferson St., CHICAGO | Main Office: 100 East 42nd St., NEW YORK | Works: Bridgeport, CONN.

Castings (Monel Metal)—Continued

METAL ALLOY SPECIALTIES CO., INC., 1875 Elmwood av, Buffalo, N. Y.
Monel Metal Products Corp., Bayonne, N. J.
*Mueller Brass Foundry, St. Louis, Mo.
*New England Brass Foundry Co., Worcester, Mass.
Pacific Foundry Co., 18th & Harrison, San Francisco, Cal.
*Perkins Co., The, Taunton, Mass.
*Pioneer Alloy Products Co., Cleveland, O.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
*Prier Co., Walter H., Marshalltown, Iowa
Richardson J. W. Fdry. & Metals Corp. ("J. W. R."), 1066 62nd, B'klyn, N. Y.
*Rogers, C. E., 8731 Witt, Detroit, Mich.
*Schwartz Mill Sup. Co., Inc., 520 Toulouse, New Orleans, La.
*Sholes, Inc., 186 Lafayette, New York
*St. Catharines Brass Works, St. Catharines, Ont.
Steel Sales Corp., 129 S Jefferson, Chicago.
*Sweet William J. Foundry Co., 2527 E York, Philadelphia, Pa.
Superior Bronze Co., Erie, Pa.
*Thomann Bronze & Brass Co., Medford, Mass.
*Tull Rubber & Supply Co., J. M., 150 Marietta, Atlanta, Ga.
*Whitehead Metal Products Co., 67 Washington, Boston, Mass.
*Whitehead Metal Products Co. of New York, Inc., 261 Canal, New York
Williams & Co. Inc., 901-937 Penna. av, Pittsburgh, Pa.

2179a— Castings (Nickel)

See also following headings

AUTOSCREW CO. (Castings and Forgings Machined to order, Screw & Nuts in stock), 355 W. Broadway, New York
See adv index at end of book
International Nickel Co., 67 Wall, New York
Monel Metal Products Corp., Bayonne, N. J.
Scovill Mfg. Co. (Nickel Steel), Waterbury, Conn. *See adv index at end of book*
Wharton Wm. Jr. & Co. Inc. (Chrome), Easton, Pa.
Williams & Co. Inc. (Up to 20,000 lbs.), 901-937 Penna. av, Pittsburgh, Pa.

2180—Castings (Nickel Bronze)

BROWN BROS., 46-48 Garden, Stamford, Conn.
See adv index at end of book
Cramp Wm. & Sons Ship & Engine Bldg. Co. ("Superstrength"), Richmond & Norris, Phila., Pa.
Damascus Bronze Co. ("Damascus"), N S, Pittsburgh, Pa.
David P. Co., Sharon bldg, San Francisco, Cal.
Elyria Brass & Bronze Fdry. Co., Dept. H, Walnut & B. & O. R. R., Elyria, O.
Laclede Brass Wks., 307 Cedar, St. Louis, Mo.
Lumen Bearing Co., 200 Lathrop, Buffalo, N. Y. *See adv index at end of book*
MANNING, MAXWELL & MOORE, INC., 100 E 42nd, New York
See adv index at end of book
METAL & ALLOY SPECIALTIES CO., INC., 1875 Elmwood av, Buffalo, N. Y.
Morgan Engineering Co., Alliance, O.
Oberdorfer M. L. Brass Co., 810 E Water, Syracuse, N. Y.

2180a—Castings (Nickel Silver)

Frederickson Co., Saginaw, Mich.
Graham Jas. & Co., New Haven, Conn.
Ideal-Die Casting Co., 756 Eddy, Providence, R. I.
Ives H. B. Co., New Haven, Conn.
Jenkins Mfg. Co., Bloomfield, N. J.
Owren Casting Co., Attleboro, Mass.
Rock Island Metal Foundry, 505 41st, Rock Island, Ill.
Scovill Mfg. Co., Waterbury, Conn.
See adv index at end of book
Trefethen D. A., Taunton, Mass.

2181—Castings (Nickel Steel)

American Steel Foundries, McCormick bldg, Chicago, Ill.
Bayonne Casting Co. (Nickel Only), Bayonne, N. J.
Best Steel Casting Co., 105th av, Oakland, Cal.
Bethlehem Steel Co., South Bethlehem, Pa.
Chicago Steel Foundry Co. (Non Corrosive), 3701 S Kedzie av, Chicago, Ill.
Columbia Steel Co., 351 California, San Francisco, Cal.
Crucible Steel Casting Co., Landsdowne, Pa.
Malleable Iron Fittings Co., Branford, Conn.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
Millbury Steel Foundry Co., Millbury, Mass.
Minneapolis Elec. Steel Castinga Co., 38th av N E & 5th, Minneapolis, Minn.
Sivyer Steel Casting Co., Milwaukee, Wis.
Union Spring & Mfg. Co., New Kensington, Pa.
Warren Steel Casting Co., 3400H Maury, St. Louis, Mo.

2182—Castings (Non-Corrosive Metal)

American Manganese Bronze Co., 3501 Rhawn, Phila., Pa.
Cramp Wm. & Sons Ship & Engine Bldg. Co., Richmond & Norris, Phila., Pa.
Duriron Castings Co. ("Duriron"), Dayton, O.
Lumen Bearing Co., 200 Lathrop, Buffalo, N. Y. *See adv index at end of book*
MANNING, MAXWELL & MOORE, INC., 100 E 42nd, New York
See adv index at end of book
METAL & ALLOY SPECIALTIES CO., INC., 1875 Elmwood av, Buffalo, N. Y.
Pacific Foundry Co., 18th & Harrison, San Francisco, Cal.
Treadwell Engineering Co., ("Treadiron"), Easton, Pa.
See adv index at end of book
Vanadium Metals Co., Vanadium bldg, Pittsburgh, Pa.

2182a—Castings (Non-Ferrous)

Capital Brass Fdry., Salt Lake City, Utah.
Cramp Wm. & Sons Ship & Engine Bldg. Co. ("Cramps"), Richmond & Norris, Phila., Pa.
DRIVER-HARRIS CO., Harrison, N. J.
See adv index at end of book
Fredericksen Co., Saginaw, Mich.
Hills McCanna Co., 2025 Elston av, Chicago, Ill.
Lebanon Brass Works, Lebanon, Pa.
Lumen Bearing Co., 200 Lathrop, Buffalo, N. Y. *See adv index at end of book*
Metal & Alloy Specialties Co., Inc., 1875 Elmwood av, Buffalo, N. Y.
Precisions Castings Co. Inc., Syracuse, N. Y.
San Diego Machine Co., San Diego, Cal.

Castings (Open-Hearth Steel)

See firms in Castings, Steel, with the words Open-Hearth following their names

2183— Castings (Ordnance)

Bethlehem Steel Co. (Army, Navy, etc.), Bethlehem, Pa.
Cramp Wm. & Sons Ship & Engine Bldg. Co. ("Superstrength"), Richmond & Norris, Phila., Pa.
Morgan Engineering Co., Alliance, O.
Spuck Iron & Fdry. Co., 14th & Branch, St. Louis, Mo.

Castings (Ornamental Iron)

See Firms in Iron, Architectural & Ornamental, with a Star in front of their names

2183a—*Castings (Paper Mill)

Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
Lumen Bearing Co., 200 Lathrop, Buffalo, N. Y. *See adv index at end of book*

2183b—Castings (Phonograph)

Franklin Die-Casting Corp., Gifford & Magnolia, Syracuse, N. Y.
See adv index at end of book

2184—Castings (Phosphor Bronze)

Ajax Metal Co., 46 Richmond, Phila., Pa.
American Manganese Bronze Co., 3501 Rhawn, Philadelphia, Pa.
Anderson A. H. (Light & Heavy), 218 Ann, Chicago, Ill.
Atlas Brass Foundry Co., Columbus, O.
Atlas Brass Works, 612 Bryant, San Francisco, Cal.
Barkay Co., Inc., 24 Institute, Jamestown, N. Y.
Belfield H. Co., 435 N Broad, Phila., Pa.
Bethlehem Steel Co., Bethlehem, Pa.
Block Brass Foundry Co. Inc. (Shaft Liners & Bushings), 760 2rd av, Oakland, Cal.
Bronze Metal Co., 30 Church, New York
Brown A. & F. Co., 79 Barclay, New York)
Brown Bros., 46-48 Garden, Stamford, Conn.
See adv index at end of book
Bunting Brass & Bronze Co., 738 Spencer, Toledo, O. *See adv index at end of book*
Clayton & Lambert Mfg. Co., 1370-80 Beaubien, Detroit, Mich.
Cramp Wm. & Sons Ship & Engine Bldg. Co. ("Superstrength," "Cramps"), Richmond & Norris, Phila., Pa.
Crown Smelting Co., Chester, Pa.
Damascus Bronze Co. ("Damascus"), N. S. Pittsburgh, Pa.
Davenport Locomotive Works, Davenport, Ia.
Dick Bros., 3rd & Buttonwood, Reading, Pa.
Dorchester Brass & Aluminum Fdry., Dept. H, Hyde Park, Mass.
Edna Brass Mfg. Co., Cincinnati, O.
Elyria Brass & Bronze Fdry. Co., Dept H, Walnut & B. & O. R. R., Elyria, O.
Emory P. P. Mfg. Co., 138 Spring, Springfield, Mass.
Erie Bronze Co., 353 W 19th, Erie, Pa.
Eureka Co., North East, Pa.
Exeter Brass Works, Exeter, N. H.
Federal Brass Works, 3100 S Kedzie, Chicago, Ill.
Fewlass-Leen Brass & Iron Co., 610 E Front, Cincinnati, O.
Gilbert A. & Sons Brass Fdry. Co., 4019 Forest Park bl, St. Louis, Mo.
Great Lakes Brass Foundry, Bay City, Mich.
Greenberg's M. & Son, Folsom & Alice, San Francisco, Cal.
Grote F. Mfg. Co., 120 3d av, Evansville, Ind.
Hackett Brass Foundry, 242 Lillibridge, Detroit, Mich.
Harsch John Bronze & Foundry Co., Madison av, Cleveland, Ohio
Higgins & Co., Holyoke, Mass.
Hoban Brass Foundry Co., Dayton, O.
Hoffman Bronze & Aluminum Castings Co., 1000 Addison rd, Cleveland, O.
Ideal-Die Casting Co., 756 Eddy, Providence, R. I.
Imperial Brass Mfg. Co., 1200 W Harrison, Chicago, Ill.
Keystone Bronze Co., 39th & A. V. R. R., Pittsburgh, Pa.
Krouse Geo. (Heavy), 150 Morgan, Jersey City, N. J.
Laclede Brass Wks., 307 Cedar, St. Louis, Mo.
Lamb Machine Co., Hoquiam, Wash.
Leslie Co., Lyndhurst, N. J.
Light Mfg. & Foundry Co., Pottstown, Pa.
Lima Metals Foundry Co., Lima, O.
Livermore Homer F. Inc., 85 Pearl St., Boston, Mass.

LUMEN BEARING CO., 200 Lathrop, Buffalo, N. Y.
See adv index at end of book

MANNING, MAXWELL & MOORE, INC., 100 E 42nd, New York
See adv index at end of book

Maryland Brass & Metal Works, Calvert & Federal, Baltimore, Md.
Messmer Fred Mfg. Co., 2700 S 7th, St. Louis, Mo.
Metal & Alloy Specialties Co., Inc., 1875 Elmwood av, Buffalo, N. Y.
Moran Flexible Steam Joint Co., Louisville, Ky.
More-Jones Brass & Metal Co., B'way & Dock, St. Louis, Mo.
Morgan Engineering Co., Alliance, O.
National Bronze & Aluminum Foundry Co., 2539 E 79th, Cleveland, O.
New Brunswick Iron Works, New Brunswick, N. J.
Newell Fred E., Central Falls, R. I.
North American Smelting Co., 9th & Thompson, Phila., Pa.
Oberdorfer M. L. Brass Co., 810 E Water, Syracuse, N. Y.
Pacific Brass & Bronze Foundry, 528 Folsom, San Francisco, Cal.
Parsons Co., Newton, Ia.
Phosphor Bronze Smelting Co., 2202 Washington av, Phila., Pa.
Pioneer Brass Works, 1102 E. 23d, Indianapolis, Ind.
Pittsburgh Brass Mfg. Co., Penn & 32nd, Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Prier Brass Mfg. Co., 15th & Blue River, Kansas City, Mo.
Reading Brass Works, Reading, Pa.
Reeves Paul S. & Co., 1415 Catherine, Phila., Pa.
Renshaw Jones & Sutton Co., 1231 S. San Pedro, Los Angeles, Cal.
Richardson Edro Brass Co., 318 N Holliday, Baltimore, Md.
Rider-Bagg Co., Springfield, Mass.
Riverside Metal Co., Riverside, N. J.
Rock Island Metal Foundry, 505 41st, Rock Island, Ill.
Rogers C. E. Brass Foundry, 64H Plympton, Boston, Mass.
St. Cloud Iron Works Co., St. Cloud, Minn.
San Diego Machine Co., San Diego, Cal.
Sherwood Brass Works, 6331 Jefferson E, Detroit, Mich.
Standard Brass Casting Co., Dept H, 3rd & Jefferson, Oakland, Cal.
Standard Gas Engine Co., Dennison & King, Oakland, Cal.
Staten Island Shipbuilding Co., 3075H, Richmond ter, Mariners Harbor, Staten Island, N. Y.
Trefethen D. A., Taunton, Mass.
Turner & Seymour Mfg. Co., Torrington, Conn.
Union Brass Foundry Co., Lowell, Mass.
Vanadium Metals Co., Vanadium bldg, Pittsburgh, Pa.
Venango Bronze Metal Co., Franklin, Pa.
Ward & Williams, Hancock, Mich.
Watson, Frye Co. Ltd., Bath, Me.
Wellman Bronze Co. (Medium & Heavy), 6017 Superior av, Cleveland, O.
See adv index at end of book
Williams E. A. & Son, 109 Plymouth, Jersey City, N. J.

2185—*Castings (Puddled Semi-Steel)

Traylor Engineering & Mfg. Co., Allentown, Pa.

2185a— Castings (Pulley)

CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.

Gerdes & Co. Inc., 42 Church, New York
See adv index at end of book

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

Townsend Foundry & Machine Shop Co., Broadway & Rensselaer, Albany, N. Y.
See adv index at end of book

2186— Castings (Railroad)

See also Castings, Aluminum; Castings, Brass & Bronze; Castings, Copper; Castings, Gray Iron; Castings, Gun Metal; Castings, Malleable Iron; Castings, Phosphor Bronze; Castings, Steel; Machinists & Founders

American Valve & Meter Co., Spring Grove av, Cincinnati, Ohio
Atlantic Steel Casting Co., 6th & Lloyd, Chester, Pa.
Atlas Brass Foundry Co., Columbus, O.
Atlas Foundry & Machine Co. (Iron), 30 & Wilkinson, Tacoma, Wash.
Bethlehem Steel Co., Bethlehem, Pa.
Buckeye Jack Mfg. Co. (Malleable Iron), Alliance, Ohio
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Canton Steel Foundry Co., Dept. H, 1502 Allen av S E, Canton, O.
Champion Engineering Co., The, Columbus, Ohio
Chrisman Foundry Co., Morgantown, W. Va.
Decatur Malleable Iron Co., Decatur, Ill.
Detroit Steel Casting Co., 4069H Michigan, Detroit, Mich.
Elec. Steel Co., W. 31st & S. Wood, Chicago, Ill.
Ellwood Foundry & Mach. Co., Ellwood City, Pa.
FALK CORP., foot of 30th, Milwaukee, Wis. *See adv index at end of book*
Grand Rapids Malleable Works, Grand Rapids, Mich.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
Laclede Brass Wks., 307 Cedar, St. Louis, Mo.
Magnus Co. Inc. (Brass), 60H Eddy, New Haven, Conn.
Morgan Engineering Co., Alliance, O.
Murray Iron Works Co., Burlington, Iowa
National Malleable Castings Co., 10606 Quincy av, Cleveland, O.
Pettis W. W. Co., 416 First Natl. Bank bldg, Cincinnati, Ohio.
Pittsburgh Iron & Steel Foundry Co., H Oliver bldg, Pittsburgh, Pa.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
ST. PAUL FOUNDRY CO., Como av & Mackubin, St. Paul, Minn.
See adv index at end of book
STRONG STEEL FOUNDRY CO., Buffalo, N. Y.
Union Spring & Mfg. Co., New Kensington, Pa.
Warren Tool & Forge Co., 145 Griswold, Warren, Ohio
See adv index at end of book
Western Steel Car & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.

2187—Castings (Rock Crusher)

American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept. H, 14th & State, Chicago Heights, Ill.
American Road Machinery Co., Kennett Sq., Pa.
Atlas Steel Casting Co. (Steel), 1963 Elmwood av, Buffalo, N. Y.
Bethlehem Steel Co. ("Manard" Steel), So. Bethlehem, Pa.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Bonney-Floyd Co. (Manganese & Various Carbon & Alloy Steel), Columbus, O.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Chester Steel Castings Co., Chester, Pa.
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Los Angeles Foundry Co., 2444 Alameda, Los Angeles, Cal.
Parsons Co., Newton, Ia.
Pettis W. W. Co., 416 First Natl. Bank bldg, Cincinnati, Ohio
Pittsburgh Iron & Steel Foundry Co., H Oliver bldg, Pittsburgh, Pa.
Pulaski Foundry & Mfg. Corp., 2424 Euclid av, Cleveland, Ohio
See adv index at end of book
Stearns-Roger Mfg. Co., 1720 Calif., Denver, Colo.
Steele & Condict (Also for Elevators & Screens), 74 Pearl, Jersey City, N. J.
Strong Steel Foundry Co. (Steel), 743 Norris, Buffalo, N. Y.
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.
Traylor Engineering & Mfg. Co., Allentown, Pa.
Union Spring & Mfg. Co., New Kensington, Pa.
Union Steel Casting Co., Pittsburgh, Pa.
United Iron Works Co., Kansas City, Mo.
Warren Steel Casting Co., 3400H Maury, St. Louis, Mo.

2188—Castings (Rolling Mill & Furnace)

See also Machinery, Rolling Mill; also Rolls, Sand, Chilled & Steel

American Foundry & Construction Co., 2d av & Longworth, Pittsburgh, Pa.
American Manganese Steel Co. ("Amsco" Brand Manganese Steel, Dept. H, 14th & State, Chicago Heights, Ill.
Atlas Brass Foundry Co., Columbus, O.
Bethlehem Steel Co., South Bethlehem, Pa.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Bonney-Floyd Co. (Open-Hearth, Converter & Electric Steel), Columbus, O.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Canton Steel Foundry Co., Dept. H, 1502 Allen av S E, Canton, O.
Chrisman Foundry Co., Morgantown, W. Va.
Cooper C. & G. Co., Mt. Vernon, O.
Detroit Steel Casting Co. (& Gas Producers), 4069H Michigan, Detroit, Mich.
Early W. J. Sons Fdry. Co. (Rolling Mill), 812H Sarah SS, Pittsburgh, Pa.
Ellwood Foundry & Mach. Co., Ellwood City, Pa.
GERDES & CO., INC., 42 Church St., New York.
See adv index at end of book
Hyde Park Fdry. & Mach. Co., Hyde Park, Pa.
Ironton Punch & Shear Co., Ironton, O.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
KENNEDY-VAN SAUN MFG. & ENG. CORP., 50 Church, New York
See adv index at end of book
Keystone Bronze Co., 39th & A. V. R. R., Pittsburgh, Pa.
Laclede Brass Wks., 307 Cedar, St. Louis, Mo.
Mackintosh-Hemphill Co., 12th & Etna, Pittsburgh, Pa.
Marshall Foundry Co., 28th & R. R., Pittsburgh, Pa.
Mesta Machine Co., Box 1124 Pittsburgh, Pa.
See adv index at end of book

Mesta Machine Company
Pittsburgh, Pa., U. S. A.

More-Jones Brass & Metal Co. (Bronze), Broadway & Dock, St. Louis, Mo.
Morgan Engineering Co., Alliance, O.
National Roll & Foundry Co., Avonmore, Pa.
Newbold R. S. & Son Co. (Heavy), Norristown, Pa.
Penn Seaboard Steel Co., Franklin Bank bldg., Phila., Pa.
Pettis W. W. Co., 416 First Natl. Bank bldg., Cincinnati, Ohio
Phila. Roll & Machine Co., 52nd & Grays av, Phila., Pa.
Phoenix Iron Works Co., Meadville, Pa.
Pittsburgh Iron & Steel Foundry Co., H Oliver bldg, Pittsburgh, Pa.
PULASKI FOUNDRY & MFG. CORP., 2424 Euclid av, Cleveland, Ohio
See adv index at end of book
Rosedale Foundry & Machine Co., Columbus & Preble, Pittsburgh, Pa.
Sharon Foundry Co., Wheatland, Pa.
Sterritt-Thomas Foundry Co., 32d & Smallman, Pittsburgh, Pa.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
Treadwell M. H. Co., 140 Cedar, New York
Union Steel Casting Co., Pittsburgh, Pa.
United Engineering & Foundry Co., Farmers Bk. bldg, Pittsburgh, Pa.
Velte Foundry & Machine Co., Mars, Pa.
Vogt Bros. Mfg. Co., Louisville, Ky.
Weimer Machine Works Co., Lebanon, Pa.
Wheeling Mold & Fdry Co., Wheeling, W. Va.
Youngstown Foundry & Machine Co., Youngstown, O.

2189— Castings (Semi-Steel)

Albany Malleable Iron Co., Albany, N. Y.
Allyne-Ryan Foundry Co., Aetna rd & E 91st, Cleveland, O.
American Brake Shoe & Fdry. Co., 30 Church, New York
American Clay Machinery Co. (Medium), Bucyrus, O.
Arcade Malleable Iron Co., Worcester, Mass.
Armstrong Machinery Co., E., 3201 Riverside av, Spokane, Wash.
See adv index at end of book
Atlantic Fdry. Co., Akron, O.
Avery B. F. & Sons (Plain or Machine) Louisville, Ky.
Baker Mfg. Corp., Saratoga Springs, N. Y.
Barker Jas., 6th & Cayuga, Phila., Pa.
Bay View Foundry Co., Sandusky, O.
Best Steel Casting Co., 105th av, Oakland, Cal.
Bethlehem Foundry & Machine Co. South Bethlehem, Pa.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Birmingham Iron Foundry (Heavy), Derby, Conn.
Bosworth-Ard Machine & Foundry Co., Anniston, Ala.
Brady Jas. A. Foundry Co., 45th & Western blvd, Chicago, Ill.
BUFFALO FOUNDRY & MACHINE CO. (Up to 200 Tons), 65 Winchester av, Buffalo, N. Y. *See adv index at end of book*
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Centre Fdry & Machine Co., Wheeling, W. Va.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Chambersburg Engrg. Co., Chambersburg, Pa.
Champion Engineering Co., The, Columbus, Ohio
Chrisman Foundry Co., Morgantown, W. Va.
City Foundry Co. (Up to 50 Tons), 45th & Hamilton av, Cleveland, O.
Columbia Machine Wks. & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.
Covington Machine Co. (from a few ounces to 40,000 lbs.), Lexington, Covington, Va.
Davenport Locomotive Wks., Davenport, Ia.
Davis Sewing Machine Co., 130 S. Ludlow, Dayton, Ohio.
Davison-Namack Fdry. Co., Ballston Spa, N. Y.
Detroit Shipbuilding Co., Ft. Orleans, Detroit, Mich.
Early W. J. Sons Fdry. Co., 812H Sarah SS, Pittsburgh, Pa.
Eastern Malleable Iron Co., Naugatuck, Conn.
Eccleston Machinery Co., 162 S Anderson, Los Angeles, Cal.
Ellwood Foundry & Mach. Co., Ellwood City, Pa.
Enterprise Foundry Co., 2902H 19th, San Francisco, Cal.
Erie Steam Shovel Co. (Up to 20 Tons), Erie, Pa.
FARRAR & TREFTS, INC. (Up to 50 tons), Buffalo, N. Y.
FARREL FOUNDRY & MACHINE CO. (Heavy), 30 Main, Ansonia, Conn.
See adv index at end of book
Ferguson & Lange Foundry Co., Clybourne av & Willow, Chicago, Ill.
Framingham Foundries Inc., Framingham, Mass.
Francis & Nygren Foundry Co. (For Ammonia Castings, Smelting & Acid Kettles, Gears, etc), 2542 Fillmore, Chicago, Ill.
Fuller-Leghigh Co. (Up to 50 tons), Fullerton, Pa. *See adv index at end of book*
G. & C. Foundry Co., Sandusky, O.
Gillie Machine Co., Tonawanda, N. Y.
Greenville Iron Works, Greenville, S. C.
Grote F. Mfg. Co., 120 3rd av, Evansville, Ind.
Gustafson Mfg. Co., 211 W 26th, Chattanooga, Tenn.
Hagerstown Foundry & Machine Co., Hagerstown, Md.
Hanson Clutch & Machy Co., Tiffin, O.
Hill Clutch Machine & Foundry Co., W 65th, Cleveland, O.
Hopes Combustion Engng. Co., Glens Falls, N. Y.
Independent Foundry Co., Portland, Ore.
Jackson & Church Co., Saginaw, Mich.
Johnsons Foundry Corp., 1003 N. Main, Los Angeles, Cal.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
Kahl, Fred'k Iron Foundry, 2111 E. Atwater, Detroit, Mich.
La Point Foundry Co., Schlersingerville, Wis.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Livermore Homer F. Inc., 85 Pearl, Boston, Mass.
Lorain Casting Co. (Up to 40,000 lbs.), Lorain, O.
McLain's System, Milwaukee, Wis.
McKim Foundry & Machine Co., Lockport, N. Y.
Malleable Iron Fittings Co. (Homogenous Metal), Branford, Conn.
Marion Machine Foundry & Supply Co., Marion, Ind.
Moak Machine & Tool Co., Port Huron, Mich.
Monarch Foundry Co. ("Monarch"), Sacramento & Oak, Stockton, Cal.
Moore-Noble Foundry Co., 17th & Texas, San Francisco, Cal.
Morgan Engineering Co., Alliance, O.
Morris John B. Foundry Co., Court & Harriet, Cincinnati, O.
Muncie Foundry & Machine Co., Muncie, Ind.
Parker-Street Castings Co., P. O. Station D, Cleveland, Ohio
Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.
Pettis W. W. Co., 416 First Natl. Bank bldg., Cincinnati, Ohio.
Pierce-Brown Inc., North Tonawanda, N. Y.
Pittsburgh Valve Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
POOLE ENGINEERING & MACHINE CO., Woodberry, Baltimore, Md.
See adv index at end of book

(Continued on following page)

Castings (Semi-Steel)—Continued

PULASKI FOUNDRY & MFG. CORP., 2424 Euclid av, Cleveland, Ohio
See adv index at end of book
Raleigh Iron Works Co. ("Ferrodense"), Raleigh, N. C.
Reliance Foundry Co., Richmond, Ind.
Riley, John F., Foundry & Mach. Co., Charleston, S. C.
Ripley Foundry & Machine Co., Ripley, O.
Rosedale Foundry & Machine Co., Preble, Pittsburgh, Pa.
Ross-Meehan Foundries (Railroad), Carter, Chattanooga, Tenn.
St. Paul Foundry Co., Como av & Mackubin, St. Paul, Minn.
See adv index at end of book
Santa Fe Foundry Co., Richmond, Cal.
Share Furnace & Metal Appliance Co., W. Warren av & S Delaware, Denver, Colo.
Simms Foundry Co., Racine, Wis.
Spencer Smith Machine Co., Howell, Mich.
Spuck Iron & Fdry. Co., 14th & Branch, St. Louis, Mo.
Standard Engineering Co., Elwood City, Pa.
Staten Island Shipbuilding Co., 3075H Richmond ter, Mariners Harbor, Staten Island, N. Y.
Stockton Iron Works, Lindsay & Harrison, Stockton, Cal.
Superior Foundry Co., 71 & W. & L. E. Ry., Cleveland, O
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
Toledo Ship Building Co., Toledo, O.
Tomahawk Steel & Iron Works, Tomahawk, Wis.
Traylor Engineering & Mfg. Co., Allentown, Pa.
Treadwell Engineering Co., Easton, Pa.
See adv index at end of book
United Engineering & Foundry Co., Farmers Bk. Bldg, Pittsburgh, Pa.
United Iron Works Co. Inc, Kansas City, Mo.
Vogt Brothers Mfg. Co., Louisville, Ky.
Walker Foundry Co., Erie, Pa.
Waltham Foundry Co., Waltham, Mass.
West Allis Foundry Co., West Allis, Wis.
Wilmington Malleable Iron Works of Eastern Malleable Iron Co., Wilmington, Del
Wollaston Foundry Co., Wollaston, Mass.

2190— Castings (Settee)

National Malleable Castings Co., 7706 Platt av, S E, Cleveland, O.

2191— Castings (Ship)

Anniston Electric Steel Corp., Anniston, Ala.
Atlantic Steel Castings Co., Chester, Pa.
Baker Iron Wks., 912 N Broadway, Los Angeles, Cal.
Cramp Wm. & Sons Ship & Engine Bldg. Co., Richmond & Norris, Phila., Pa.
Detroit Steel Casting Co., 4069H Michigan, Detroit, Mich.
Fraim E. T. Lock Co., 237 Park av, Lancaster, Pa.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
Pittsburgh Iron & Steel Foundry Co., H Oliver bldg, Pittsburgh, Pa.
Riley, John F., Foundry & Mach. Co., Charleston, S. C.
Wharton Wm. Jr. & Co., Inc., Easton, Pa.
Williams & Wells Co., 253 Fulton, New York. *See adv index at end of book*

2191a— Castings (Silver)

Detroit Steel Casting Co., 4069H Michigan, Detroit, Mich.
Owren Casting Co., Attleboro, Mass.

2191b—Castings (Special; White Metal, Aluminum)

Franklin Die-Casting Corp., Gifford & Magnolia, Syracuse, N. Y.
See adv index at end of book

2191c—Castings (Stamp Mill)

Bethlehem Steel Co., Bethlehem, Pa.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
Traylor Engineering & Mfg. Co., Allentown, Pa.

Castings (Steam Fitters')

See Fittings, Various Kinds

2192— Castings (Steel)

This List is Duplicated under Head of Machinists & Founders

ALABAMA.

ALABAMA CITY—Gulf States Steel Co.
BIRMINGHAM—Thomas Grate Bar Co. ("True Semi")
MOBILE—Home Industry Iron Wks.
WOODWARD—Woodward Iron Co.

ARKANSAS.

PINE BLUFF—Standard Brake Shoe & Fdry. Co.

CALIFORNIA.

FRESNO—United Engine & Machine Works, Inc., 507 B'way
LOS ANGELES—Alloy Steel & Metals Co., 55th & Alameda
Kay-Brunner Steel Casting Co., 2720 Frederick
Keystone Iron & Steel Works, 37th & Santa Fe av
Llewellyn Iron Works, 1200H Main
Los Angeles Foundry Co., 3444H Alameda
Warman Steel Casting Co., Boyle & Slauson
OAKLAND—Best C. L. Gas Traction Co. Best Steel Casting Co., 105th av
PITTSBURG—Columbia Steel Co. (See San Francisco)
SAN FRANCISCO—Alaska Treadwell Gold Mining Co.
Columbia Steel Co. (Acid & Basic Open Hearth, 351H California
Enterprise Foundry Co., 2902H 19th
Jewell Steel & Malleable Co., 1375 Potrero av
Judson Mfg. Co., 819 Folsom
Stroh Steel Hardening Process Co., Hobart bldg.
Union Iron Works Co. (Tropenas, for Co.'s Own Use), 20th & Michigan
STOCKTON — Monarch Foundry Co. ("Monarch"), Sacramento & Oak
TORRANCE—Union Tool Co.

COLORADO.

DENVER—Colorado Fuel & Iron Co. (Bessemer & Open Hearth, for Company's Own Use)

CONNECTICUT.

BRANFORD—Malleable Iron Fittings Co. (Low Carbon & Tropenas)
COLLINSVILLE—Collins Co. (Crucible, All Consumed by the Company)
HARTFORD—Conecticut Electric Steel Co.
NEW HAVEN—Penn Seaboard Steel Corp. (See Phila., Pa.)

DELAWARE.

NEW CASTLE—American Manganese Steel Co. ("Amsco" & "Stag" Brand, Manganese Steel), Main Office: Chicago, Ill.
Brylgon Steel Casting Co (Manganese Steel, Gear Blanks, Motor Frames, Connecting Rods, Crankshafts, Governor Arms)
Deemer Steel Casting Co (1 to 10,000 lbs)
Penn Seaboard Steel Corp. (See Phila., Pa.)
WILMINGTON—Lobdell Car Wheel Co. (Open Hearth, 1 lb. to 10 tons)

DISTRICT OF COLUMBIA.

WASHINGTON—Firth-Sterling Steel Co., Giesboro Point

ILLINOIS.

BRADLEY — Bradley David Machine Works
CHICAGO—American Steel Foundries (Open Hearth Up to Any Weight), 410 N Michigan blvd
Burnside Steel Co., 1300 E 92nd
Chicago Malleable Castings Co., 120th & Racine av
Chicago Steel Foundry Co. (High Manganese & High Carbon Crucible; also Magnetic for Electrical Purposes), 3701 S Kedzie av
Elec. Steel Co., W. 31st & S. Wood
LINK-BELT COMPANY (Zenzes Converter), 300 W Pershing rd
See adv index at end of book
National Car Coupler Co. (Acid Open Hearth, Up to 20 Tons), 332 S Michigan av. Works: Attica, Ind.
Pettibone, Mulliken & Co., 140 S Dearborn
Railroad Supply Co., 203H S. Dearborn
Railway Steel Spring Co., 108th & Watt av
Universal Draft Gear Attachment Co. (Malleable), H Railway Exchange bldg
EAST ST. LOUIS—American Steel Foundries (Crucible, Acid Open Hearth, Up to Any Weight). Main Office: Chicago, Ill.
GRANITE CITY—American Steel Foundries (Acid, Open Hearth & Crucible, Up to Any Weight). Main Office: Chicago, Ill.)
Commonwealth Steel Co. (Basic Open Hearth). Office: St. Louis
JOLIET—Illinois Steel Co. (See Chicago, Ill.)
MELROSE PARK—National Malleable Castings Co. (See Cleveland, O.)

INDIANA.

ATTICA—National Car Coupler Co. (See Chicago, Ill.)
EAST CHICAGO—Hubbard Steel Foundry Co.
FORT WAYNE—Brass Foundry & Machine Co.
HUNTINGTON—Armstrong Steel Castings Co. (Electric)
INDIANA HARBOR—American Steel Foundries (Acid, Open Hearth, Car, Locomotive & Other Steel Castings). Office: Chicago, Ill.
Inland Steel Co. (See Chicago)
LAWRENCEBURG—Cook Aug. D.
MICHIGAN CITY—Haskell & Barker Car Co.
MONTPELIER—National Steel Casting Co. (Acid & Basic Open Hearth Car Couplers, Knuckles & General Castings)
MUNCIE—Whitely Steel Co. (High Grade Small)
SOUTH BEND—South Bend Chilled Plow Co.
TERRE HAUTE—Terre Haute Malleable & Mfg. Co.

IOWA.

BETTENDORF—Bettendorf Co. (Basic Open Hearth)
Zimmerman Steel Co.
CHARLES CITY—Hart-Parr Co.
NEWTON—Parsons Co. (Crucible & Manganese)

LOUISIANA.

MANSFIELD—De Soto Foundry & Machine Co. (Ltd.)
NEW ORLEANS—Dibert, Bancroft & Ross Co., Ltd., Tulane & Hagan av
SHREVEPORT—Henderson W. K. Iron Wks. & Supply Co. (1 to 4,000 lbs.)

MAINE.

BATH—Watson, Frye Co. Ltd. (Crucible)

MARYLAND.

BALTIMORE—Baltimore Malleable Iron & Steel Casting Co., So. Charles & Wells
ELKTON—Powers James F. Foundry Co
SPARROW POINT—Maryland Steel Co.

MASSACHUSETTS.

BOSTON—Eastern Steel Casting Co. (Crucible), 30 Kemble
Livermore Homer F. Inc., 85 Pearl
CHELSEA—Connolly Steel Casting Co.
INDIAN ORCHARD—Chapman Valve Co. (Electric Up to 4,000 lbs.)
MILLBURY—Millbury Steel Foundry Co. (Crucible, 1 to 1000 lbs)

MICHIGAN.

ADRIAN—Adrian Steel Casting Co. (Crucible Steel for Light Machinery a Specialty)
DETROIT—Buhl Malleable Co. (Malleable; Also Open Hearth)
Detroit Steel Casting Co. (Acid Open Hearth & Converter, from 1 oz. to 20 tons), 4069H Michigan
Michigan Steel Casting Co., 1986 Guoin
Monarch Steel Castings Co. (Acid Open Hearth), Solway & Wab. R. R.
Swedish Crucible Steel Co. ("Pyro" Crucible), Butler & Grand Trunk R. R.
KALAMAZOO—Reed Foundry & Machine Co. (Crucible for Automobiles, Machinery, etc.)
MONROE—Monroe Steel Castings Co. (Crucible Up to 10,000 lbs.)
MUSKEGON—West Michigan Steel Fdry Co.
NORTHVILLE—American Bell & Foundry Co.
SAGINAW—Fair S. & Son (Crucible)

MINNESOTA.

MINNEAPOLIS—Minneapolis Elec. Steel Castings Co., 38th av N E & 5th
Twin City Rapid Transit Co. (For Own Use Only), 11th & Hennepin av
Western Crucible Steel Casting Co., 2843 Pleasant av
ST. PAUL—American Hoist & Derrick Co.
Twin City Lines (For Own Use Only)

MISSOURI.

ST. LOUIS—American Steel Foundries (Acid Open Hearth & Crucible up to any weight)
Commonwealth Steel Co. (Basic Open Hearth), Pierce bldg. Works: Granite City, Ill.
St. Louis Car Co. (Car), 8000 N. B'way.
Scullin Steel Co. (Basic Open Hearth, up to 60,000 lbs.), 6700 Manchester av
Warren Steel Casting Co. (Crucible from 1 lb. up to 1,000), 3400H Maury
WEBB CITY—Webb City & Carterville Foundry & Machine Works

NEW JERSEY.

BAYONNE—Bayonne Steel Casting Co. Carbon, Crucible, Nickel, Vanadium, etc.) (Converter & Electric Furnace)
Bayonne Steel Casting Co. (Open Hearth & Converter)
BURLINGTON—Devlin Thomas Mfg. Co. (See Phila, Pa.)
CHROME—Chrome Steel Works (Acid & Basic Open Hearth & Crucible)
HOBOKEN—Union Iron Works
MAHWAH—American Brake Shoe & Foundry Co. (Works: New Castle, Del., & Chicago, Ill.)

KEARNY—Riverside Steel Casting Co. (Crucible, 1 to 2000 lbs.)
TRENTON—Trenton Malleable Iron Co.

NEW YORK.

BUFFALO—Acme Steel & Malleable Iron Wks., 245 Military Rd
Atlas Steel Casting Co. (Acid Open Hearth up to 30,000 lbs.)
Jewell Steel & Malleable Co. (Carbon)
Lough Bros., 90 West
Pratt & Letchworth Co. (Acid Open Hearth), 189 Tonawanda
STRONG STEEL FOUNDRY CO. (Acid Open Hearth, Any Weight Up to 20,000 lbs., For Any Purpose)



Taylor W. P. Co., Ellicott sq
DEPEW—Gould Coupler Co. (Basic Open Hearth)

NEW YORK CITY.

Boroughs of Manhattan and Bronx.

NEW YORK—American Bridge Co. (Acid & Basic Open Fire), 71 B'way
GERDES & CO., INC., 42 Church, New York
See adv index at end of book
Gould Coupler Co. (Basic Open Hearth), 30 E 42nd. Works: Depew, N. Y.
Johnson Isaac G. & Co. (Acid Open Hearth, Tropenas, Steel Castings & Special Electric Metal of High Permeability), Spuyten Duyvil
LARKIN & CO., J. K., 253 Broadway
See adv index at end of book
Lasker & Minck, 53 Park pl
Newport News Shipbuilding & Dry Dock Co. (Iron, Brass), 233 B'way

Borough of Queens.

LONG ISLAND CITY—Steinway & Sons **(End of New York City)**

WATERVLIET—Adirondack Steel Foundries Co.

OHIO.

AKRON—Adamson Machine Co.
Atlantic Foundry Co., Akron, O.
ALLIANCE—American Steel Foundries (Acid Open Hearth & Crucible, up to any weight), Main Office, Chicago, Ill.
Machined Steel Castings Co.
Morgan Engineering Co. (Open Hearth)
BELLAIRE—Carnegie Steel Co. (Office: Pittsburgh, Pa.)
BUCYRUS—Hadfield-Penfield Steel Co.
See adv index at end of book
CANTON—Canton Steel Foundry, 1502 Allen av S E
CINCINNATI—Cincinnati Steel Castings, 1220 Queen City av
CLEVELAND—American Steel & Wire Co. (Acid and Basic Open Hearth, for the company's own use), Western Reserve bldg
See adv index at end of book
Cleveland Steel Casting Co. (Acid Open Hearth, Heavy)
Crucible Steel Casting Co.
National Malleable Castings Co. (Open Hearth & Electric), 7706 Platt av S. E.
Ohio Steel Castings Co. (Small), 2264 Scranton rd
Otis Steel Co. (Acid & Basic Open Hearth from 1-150,000 lbs.), Riverside Plant
Standard Steel Castings Co. (From 1 to 100 lbs), 3311 W 73d
Wellman-Seaver-Morgan Co. (Basic Open Hearth), E 70th & Central av
West Steel Casting Co., 805 E. 70th
COLUMBUS—Bonney-Floyd Co. (Open Hearth, Converter & Electric Manganese & Various Carbon & Alloy Steels)
Buckeye Steel Castings Co. (Cast Steel Railroad Specialties Only)
Columbia Steel Co., 10th & Johnson, Portland, Ore.
Ohio Malleable Iron Co., 961 N Fourth
DAYTON—Dayton Steel Foundry Co. (Electric)
LIMA—Lima Steel Casting Co.
Ohio Steel Foundry Co. (Acid & Open Hearth Converter, Electric & Vanadium)
LORAIN—National Tube Co.
Chalmers Mfg. Co.
MARION—**COMMERCIAL STEEL CASTING CO. (THE)** (Open Hearth)
See adv index at end of book

Commercial Steel Casting Company
Open Hearth Steel Castings
MARION, OHIO
Real steel foundry service backed by unexcelled shipping facilities

MASSILLON—Massillon Steel Casting Co.
MIDDLETOWN — American Rolling Mill Co.
MONTPELIER—Wingert Foundry & Furnace Co.
SANDUSKY—Farrell-Cheek Steel Foundry Co. (Up to 20,000 lbs.)
SPRINGFIELD—Ohio Steel Foundry Co.
STEUBENVILLE—La Belle Iron Works (Basic Open Hearth, General Mill Castings)
TOLEDO—Toledo Steel Casting Co., Millard av & Front
WARREN—Alloy Electric Steel Casting Co.
WELLSVILLE—Menough Foundry Co.

OREGON.

PORTLAND—Columbia Steel Co., 180 N 10th. (See San Francisco, Cal.)

PENNSYLVANIA.

AMBRIDGE—American Bridge Co. (See Pittsburgh, Pa.)
BIRDSBORO—Birdsboro Steel Foundry & Machine Co. (Acid Open Hearth)
BRACKENBRIDGE—Allegheny Steel Co. (See Pittsburgh, Pa.)
BRADDOCK — Braddock Manufacturing Co.
Sterling Steel Foundry Co. (Acid Open Hearth)
BURNHAM—Standard Steel Works Co. (See Phila., Pa.)
CHESTER—Allison & Co., Dept. H
Am. Steel Foundries (Acid Open Hearth & Crucible Up to Any Weight), Main Office, Chicago, Ill.
Atlantic Steel Casting Co. (Open Hearth Steel up to 300 lbs.)
Chester Steel Castings Co. (Open Hearth, any weight up to 60,000 Pounds). Office: Phila., Pa.
Federal Steel Foundry Co. (Acid Open Hearth for Machinery, Engines, Ships, Locomotives, etc)
Penn Seaboard Steel Corp. (See Phila.)
Seaboard Steel Casting Co.
CORAOPOLIS—Duquesne Steel Foundry Co. (See Pittsburgh)
CONNELLSVILLE—Connellsville Foundry Mach. & Steel Casting Co.
CRUM LYNNE—Eagan-Rogers Steel & Iron Co. (Converter, up to 200 lbs)
EASTON—Kuebler Foundries
Treadwell Engineering Co. (Electric Furnace, any Carbon or Alloy)
See adv index at end of book

TREADWELL ENGINEERING CO
STEEL CASTINGS
ELECTRIC FURNACE
Any Carbon or Alloy
EASTON PA

WHARTON WM. JR. & CO., INC.
ERIE—Erie Forge Co. (1 lb. to 20 Tons), 15th & Cascade
National Fdry. Co. (Acid Open Hearth, Railroad Machy. & Castings)
FRANKLIN — American Steel Foundries (Acid Open Hearth & Crucible, up to any Weight). Main Office: Chicago, Ill.
GLASSPORT—Pittsburgh Steel Foundry Co. (Acid Open Hearth, up to 60,000 lbs). Office: Pittsburgh, Pa.
GROVETON—Lewis Foundry & Machine Co. (See Pittsburgh, Pa.)
HOMESTEAD—Carnegie Steel Co. (See Pittsburgh, Pa.)
Mesta Machine Co.
JOHNSTOWN—Cambria Steel Co. (Open Hearth), Main office, Phila., Pa.
Lorain Steel Co.
LANCASTER—Carbon Steel Casting Co. (Annealed)
LANSDOWNE—Crucible Steel Casting Co. (Crucible Automobile & Machy. Castings, 1 to 2,000 lbs)
LEBANON—Lebanon Steel Foundry (High Carbon Crucible)
McKEESPORT—Firth-Sterling Steel Co.
Fort Pitt Steel Casting Co. (Small Castings)
McKEES ROCKS—Fort Pitt Malleable Iron Co. (Miscellaneous Open Hearth)
Pressed Steel Car Co. (See Pittsburgh, Pa.)
MEADVILLE—Yost Mfg. Co.
MIDLAND—Pittsburgh Iron & Steel Foundries Co. (Medium & Large)
NEW BRIGHTON — Damascus Crucible Steel Casting Co. (Crucible)
NEWCASTLE——Penn Seaboard Steel Corp.
NEW KENSINGTON—Union Spring & Mfg. Co.
PHILADELPHIA—American Bridge Co., Widener bldg
Chester Steel Castings Co. (Acid Open Hearth & Cementation Steel Castings), 407 Sansom
Cramp Wm. & Sons Ship & Engine Bldg. Co. (Open Hearth), Richmond & Norris
Devlin Thos. Mfg. Co., Lehigh & 3rd. (Works: Burlington, N. J.)
Flagg Stanley G. & Co., 1421 Chestnut (Works: Pottstown)
LINK-BELT COMPANY, Hunting Park av & P. & R. Ry
See adv index at end of book
Midvale Co., Nicetown
Morris I. P. Co., Richmond & Norris
PHILA. ROLL & MACHINE CO., 52nd & Grays av
Phoenix Iron Co. (Open Hearth, for Self-Consumption),(22 S 15th. Works: Phoenixville, Pa.
Standard Steel Works Co. (Acid Open Hearth), Morris bldg. Works: Burnham, Pa.
Temple Malleable Iron & Steel Co., Harrison bldg. Works: Temple, Pa.
PHOENIXVILLE—Phoenix Iron Co. (See Phila., Pa.)
PITTSBURGH—Allegheny Steel Co. (Small Basic Open Hearth), Oliver bldg. Works: Brackenridge, Pa.
American Bridge Co., Frick bldg
American Sheet & Tin Plate Co. (All consumed by the company), Frick bldg
Duquesne Steel Foundry Co. (Acid Open Hearth & Tropenas), Arrott bldg. Works: Corapolis, Pa.
Edgewater Steel Co. (Cast), Edgewater Station & A. V. R. R.
Keystone Bronze Co., 39th & A. V. R. R.
Mackintosh-Hemphill Co., 12th & Etna
McConway & Torley Co. (Acid Open Hearth), 48th & A. V. R. R.
Mesta Machine Co., Box 1124
See adv index at end of book

Mesta Machine Company
Pittsburgh, Pa., U. S. A.

Pittsburgh Iron & Steel Foundries Co., Oliver bldg
Pittsburgh Steel Foundry Co. (Acid & Basic Open Hearth up to 60,000 lbs.), 1115H Empire bldg, Works Glassport, Pa.
Pressed Steel Car Co. (Basic Open Hearth, Car & Railroad, Electric), 307 5th av. Works: McKees Rocks, Pa.
Reliance Steel Casting Co. (Up to 20 Tons), 28th & Smallman
Stroh Steel Hardening Process Co., Dept H, Westinghouse bldg
Union Steel Casting Co. (Acid Open Hearth)
United Engineering & Foundry Co. (Acid Open Hearth, All Weights), Farmers Bk. bldg
Verona Steel Castings Co.
Western Steel Car & Foundry Co., Farmers Bank bldg
POTTSTOWN—Bramcote Foundry & Machine Co.
Flagg Stanley G. & Co. (See Phila.)
READING—Reading Iron Co., Baer bldg
Reading Steel Casting Co. (Converter & Open Hearth)
SHARON—American Steel Foundries (Acid Open Hearth & Crucible up to Any Weight). Main Office, Chicago, Ill.
National Malleable Castings Co. (Open Hearth). (Office, Cleveland, O.)
SOUTH BETHLEHEM—Bethlehem Steel Co.
SWISSVALE—Union Switch & Signal Co (Mild Steel)
TEMPLE—Temple Malleable Iron & Steel Co. (Office, Phila., Pa.)
VANDERGRIFT—United Engineering & Fdry Co. (See Pittsburgh, Pa.)
VERONA—Verona Steel Castings Co.
WHEATLAND — Sharon Foundry Co. (Acid Open Hearth)
WILKES-BARRE — Vulcan Iron Works (Open Hearth)

(Continued on following page)

Castings (Steel)—Continued

RHODE ISLAND.

HILLSGROVE—Rhode Island Malleable Iron Works

SOUTH CAROLINA.

GREENVILLE—Am. Machine & Mfg. Co.

TENNESSEE.

CHATTANOOGA—American Brake Shoe & Foundry Co., 19th & Grove
Walsh & Weidner Boiler Co

TEXAS.

EL PASO—El Paso Foundry & Machine Co.
LONGVIEW—Kelly G. A. Plow Co.

VIRGINIA.

BASIC—Penn Foundry & Mfg. Co.
NEWPORT NEWS—Newport News Ship Building & Dry Dock Co. (Tropenas & Electric). Office: New York
ROANOKE—Roanoke Iron Works Inc.

WASHINGTON.

EVERETT—Everett Steel Co. ("Esco")
HOQUIAM—Gray's Harbor Iron &.Steel Co
Lamb Machine Co. ("Lamb")
SEATTLE—Olympic Steel Works, 151 Horton
Pacific Car & Foundry Co., H Alaska bldg
Tennant Steel Casting Co., 145 Horton
Washington Iron Works, Seattle blvd & Norman av
TACOMA—Puget Sound Iron & Steel Works
Tennant Steel Casting Co., 1163 Minneapolis

WEST VIRGINIA.

WHEELING—National Tube Co. (See Pittsburgh, Pa.)
Wheeling Mold & Foundry Co. (Acid Open Hearth)

WISCONSIN.

FORT ATKINSON — Creamery Package Mfg. Co.
MILWAUKEE—Bay View Steel Casting Co., 132 So. Bay
Chain Belt Co. (Crucible), 746 Park
See adv index at end of book
Crucible Steel Casting Co. (Crucible, up to 1,200 lbs.), 612 Clinton
FALK CORP. (Acid Open Hearth up to 100,000 lbs.), Ft. 30th
See adv index at end of book

Acid open hearth steel castings from 1 to 100,000 pounds for all commercial purposes.

THE FALK CORPORATION
MILWAUKEE WISCONSIN

Milwaukee Steel Foundry Co. (Special Converter Steel Castings), 101 S Water
Modern Steel Casting Co.
National Steel Foundries (Acid Open Hearth, up to 40,000 lbs.), Belleview pl & River
Sivyer Steel Casting Co. (Electric),
Smith Geo. H., Steel Casting Co. (Converter and Open Hearth), 500 Clinton
Standard Crucible Steel Casting Co., 719 30th
Wehr Steel Co., 45th and Gordon av, Milwaukee, Wis.
RACINE—Belle City Malleable Iron Co.
Racine Steel Castings Co.
SOUTH MILWAUKEE—Bucyrus Co. (Basic Open Hearth)
WEST ALLIS—Gerlinger Electric Steel Castings Co.
Wehr Steel Co. (Crucible)

Castings (Stone Crusher)

See Castings, Rock Crusher

2192a— Castings (Stove)

Jewett & Co., Buffalo, N. Y.
Malleable Iron Range Co., Beaver Dam, Wis.

2193— Castings (Sugar House)

See also Castings, Chemical

BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Canton Steel Foundry Co., Dept H, 1502 Allen av S E, Canton, O.
Clow Jas. B. & Sons, 534 S Franklin, Chicago, Ill.
Dibert Bancroft & Ross Co. Ltd., Tulane & Hagan av, New Orleans, La.
Fulton Iron Works Co., 1295 Delaware av, St. Louis, Mo.
Honolulu Iron Works Co., 233 Broadway, New York
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
Kutztown Foundry & Machine Co., 1421 Chestnut, Phila., Pa.
See adv index at end of book
Pettis W. W. Co., 416 First Natl. Bank bldg, Cincinnati, Ohio
Pulaski Foundry & Mfg. Corp., 2424 Euclid av, Cleveland, Ohio
See adv index at end of book
Townsend Foundry & Machine Shop Co., Broadway & Rensselaer, Albany, N. Y.
See adv index at end of book
Traylor Engineering & Mfg. Co., Allentown, Pa.

2193a—Castings (Talking Machine)

FRANKLIN DIE-CASTING CORP., Gifford & Magnolia, Syracuse, N. Y.
See adv index at end of book

2193b— Castings (Tin)

Elec. Steel Co., W. 31st & S. Wood, Chicago, Ill.
Ferro Machine & Fdy. Co. (Gray Iron), Finished Die Castings Co., formerly Burns-Croft Co., 2239 Herndon, Chicago
FRANKLIN DIE CASTING CORP., Gifford & Magnolia, Syracuse, N. Y.
See adv index at end of book
Jewell Steel & Malleable Co., Buffalo, N. Y.
Michigan Steel Casting Co., 248 Guoin, Detroit, Mich.
Mt. Vernon Die Casting Corp., Mt. Vernon, N. Y. *See adv index at end of book*
Pettis W. W. Co., 416 First Natl. Bank bldg, Cincinnati, Ohio

2193c— Castings (Tractor)

Stewart Mfg. Corp., 4535 Fullerton av, Chicago, Ill.

2194— Castings (Tubal Bronze)

Jewell Steel & Malleable Co., 1375 Potrero av, San Francisco, Cal.
Reeves Paul S. & Co., 1415 Catherine, Phila., Pa.

2195— Castings (Vacuum Pan)

Bethlehem Steel Co., Bethlehem, Pa.
BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Kutztown Foundry & Machine Co., 1421 Chestnut, Phila., Pa.
See adv index at end of book
Pulaski Foundry & Mfg. Corp., 2424 Euclid av, Cleveland, Ohio
See adv index at end of book
Sowers Mfg. Co., 1300 Niagara, Buffalo, N. Y.
Traylor Engineering & Mfg. Co., Allentown, Pa.

2195a— Castings (Valve)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Elec. Steel Co., W. 31st & S. Wood, Chicago, Ill.
MANNING MAXWELL & MOORE INC. (Parts), 100 E 42nd, New York
See adv index at end of book
Reading Steel Casting Co., Reading, Pa.
Strong Steel Foundry Co. (Steel), Buffalo, N. Y.

2196—Castings (Vanadium Bronze)

Highton Wm. & Sons Co., Nashua, N. H.
McGee Jos. Iron & Brass Fdry. Co., 51 6th, Long Island City, N. Y.
MANNING MAXWELL & MOORE INC., 100 E 42nd, New York
See adv index at end of book
Russell Fdry & Mach. Works, 51 6th, Long Island City, N. Y.

2197—Castings (Vanadium Iron)

Barker Jas., 6th & Cayuga, Phila., Pa.
Capitol Foundry Co. (Specialties, Auto Cylinder, Marine & Gas & Gasoline Motor Castings), Hartford, Conn.
Dixon H. L. Co. (Specialty Glass Bottle Molds), Rosslyn rd, Pittsburgh, Pa.
Du Bois Foundry Co. (Specialties, Piston Rings & Small Cylinders), Cold Spring, N. Y.
Early W. J. & Sons (Ltd.) (Glass Molds a Specialty), 812 Sarah, Pittsburgh, Pa.
Kelly Nicholas & Son (Glass Molds a Specialty), 1704 Wharton, Pittsburgh, Pa.
Manufacturers Foundry Co. (Specialty Auto Cylinders), Waterbury, Conn.
Perkins Henry Co. (Specialty Auto & Motor Cycle Cylinders), Bridgewater, Mass.
Ross-Meehan Foundries (Railroad), Carter, Chattanooga, Tenn.
Waterbury Castings Co., Waterbury, Conn.
Weller Hdware & Fdry. Co., Horseheads, N. Y.
Zahniser Bros. & Sten (Specialty Glass Molds), Washington, Pa.

2198—Castings (Vanadium Metal)

Baker, Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
Vanadium Metals Co., Vanadium bldg, Pittsburgh, Pa.

2199—Castings (Vanadium Steel)

See also firms in Castings, Steel, with the word Vanadium following their names
American Steel Foundries (Open Hearth Locomotive & Marine, Mill & Engine Castings, Rolls, Gears & Pinions), McCormick bldg, Chicago, Ill.
Bonney-Floyd Co., Columbus, O.
Brylgon Steel Casting Co. (Tropenas Converter), New Castle, Del.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Cincinnati Steel Castings Co. (Tropenas Converter), 1220 Queen City av, Cincinnati, O.
Crucible Steel Castings Co. (Crucible), Lansdowne, Pa.
Damascus Crucible Steel Casting Co. (Crucible), New Brighton, Pa.
Elec. Steel Co., W. 31st & S. Wood, Chicago, Ill.
Farrell-Cheek Steel Foundry Co. (Tropenas), Sandusky, O.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
Lamb Machine Co., Hoquiam, Wash.
Mackintosh-Hemphill Co., 12th & Etna, Pittsburgh, Pa.
Malleable Iron Fittings Co., Branford, Conn.
Mesta Machine Co. (Steel Rolls, Gears, Pinions, Mill & Engine Castings), Box 1124, Pittsburgh, Pa.
See adv index at end of book

Mesta Machine Company
Pittsburgh, Pa., U. S. A.

Millbury Steel Foundry Co. (Crucible), Millbury, Mass.
Minneapolis Electric Steel Castings Co., 38th av N E & 5th, Minneapolis, Minn.
Ohio Steel Foundry Co. (Locomotive, Steel Rolls, Gears, Pinions, Mill & Engine Castings), Lima, O.
Parsons Co., Newton, Iowa
Pittsburgh Steel Foundry Co., 1115H Empire bldg, Pittsburgh, Pa.
Pratt & Letchworth Co. (Open Hearth Steel Rolls, Gears, Pinions, Mill & Engine Castings), 189 Tonawanda, Buffalo, N. Y.
Riverside Steel Casting Co. (Crucible), Kearny, N. J.
Ross-Meehan Foundries (Railroad), Carter, Chattanooga, Tenn.
Smith Geo H. Steel Casting Co., 500 Clinton, Milwaukee, Wis.
Union Spring & Mfg. Co., New Kensington, Pa.
Union Steel Casting Co. (Open Hearth Steel, Rolls, Gears, Pinions, Mill & Engine Castings), Pittsburgh, Pa.
Vanadium Corp. of Amer., Equitable bldg, New York
Warren Steel Casting Co., 3400H Maury, St. Louis, Mo.
West Steel Casting Co. (Crucible & Tropenas Converter), 805 E 70th, Cleveland, O.
Wheeling Mold & Foundry Co. (Steel Rolls, Gears, Pinions, Mill & Engine Castings), Wheeling, W. Va.

2199a— Castings (Water Works)

See also Cast Iron Pipe Mfrs., Gas & Water; also Valves, Gate for Water Mains; also Covers, Manhole
Bethlehem Steel Co., Bethlehem, Pa.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Townsend Foundry & Machine Shop Co., Broadway & Rensselaer, Albany, N. Y.
See adv index at end of book

2200— Castings (White Metal)

Ajax Metal Co., 46 Richmond, Phila., Pa.
American Casting & Mfg. Corp., 30 Main, Brooklyn, N. Y.
Am. Bearing Corp., 11th & Canal, Indianapolis, Ind.
Atlas Brass Foundry Co., Columbus, O.
Bethlehem Steel Co., Bethlehem, Pa.
Brown Bros., 46-48 Garden, Stamford, Conn.
See adv index at end of book
Butler A. G., Inc., 158 Chambers, New York
Capital Brass Works, 596 Franklin, Detroit, Mich.
Clayton & Lambert Mfg. Co., 10565 Knodell av, Detroit, Mich.
Cramp Wm. & Sons Ship & Engine Bldg. Co., Richmond & Norris, Phila., Pa.
Erie Bronze Co., 353 W. 19th, Erie, Pa.
Federal Brass Works, 3100 S Kedzie, Chicago, Ill.
Finished Die Castings Co., formerly Burns-Croft Co., 2239 Herndon, Chicago
FRANKLIN DIE CASTING CORP., Gifford & Magnolia, Syracuse, N. Y.
See adv index at end of book

Fredericksen Co., Saginaw, Mich.
Grote F. Mfg. Co., 120 3rd av, Evansville, Ind.
Hackett Brass Foundry, 242 Lillibridge, Detroit, Mich.
Highton Wm. & Sons Co. ("Parsons," White Bronze), Nashua, N. H.
Kokomo Brass Works, Kokomo, Ind.
Krouse W. E. & Bro., 115 Carleton av, Bridgeport, Conn.
Laclede Brass Wks. (Brass & Bronze), 307 Cedar, St. Louis, Mo.
Legler-Ellerman Co., Dayton, O.
Light Mfg. & Foundry Co., Pottstown, Pa.
Magnolia Metal Co., 113 Bank, New York
See adv index at end of book
Marion Machine Foundry & Supply Co., Marion, Ind.
Maryland Brass & Metal Works, Calvert & Federal, Baltimore, Md.
Monumental Bronze Co. (Ornamental White Bronze), Bridgeport, Conn.
Moran Flexible Steam Joint Co., Louisville, Ky.
More-Jones Brass & Metal Co., B'way & Dock, St. Louis, Mo.
Mosser W. F. & Son (Iron), Allentown, Pa.
MT. VERNON DIE CASTING CO. (Die Cast), Mt. Vernon, N. Y.
See adv index at end of book
Nat'l Smelting Corp., 554 Bryant, San Francisco, Cal.
Pacific Metal Works, 153 1st, San Francisco, Cal.
Parkesburg Stamping & Mfg. Co., Parkesburg, Pa.
Pevey Foundry Co., Lowell, Mass.
Pioneer Brass Works, 1102 E 23rd, Indianapolis, Ind.
PRECISION CASTINGS CO. INC., Syracuse, N. Y.
Providence Brass & Aluminum Foundry, 460 Eddy, Providence, R. I.
REPUBLIC DIE CASTING CO., 128A Mott, New York
Reeves Paul S. & Co., 1415 Catherine, Phila., Pa.
Reynolds Gardner W., Meriden, Conn.
Riley, John F. Foundry & Mach. Co., Charleston, S. C.
Riverside Metal Co., Riverside, N. J.
Rock Island Metal Foundry, 505 41st Rock Island, Ill.
Scovill Mfg. Co., Waterbury, Conn.
See adv index at end of book
Victoria Metal Co., Erie, Pa.

2200a—Castings (White Metal General Line, Die Cast)

Franklin Die-Casting Corp., Gifford & Magnolia, Syracuse, N. Y.
See adv index at end of book

2201— Castings (Zinc)

Anderson A. H., 218 Ann, Chicago, Ill.
Atlas Brass Works, 612 Bryant, San Francisco, Cal.
Brown Bros., 46-48 Garden, Stamford, Conn.
See adv index at end of book
Finished Die Castings Co., formerly Burns-Croft Co., 2239 Herndon, Chicago
Franklin Die-Casting Corp., Gifford & Magnolia, Syracuse, N. Y.
See adv index at end of book
Fredericksen Co., Saginaw, Mich.
Gerock Bros. Mfg. Co., 1252 S Vandeventer av, St. Louis, Mo.
Liberty Brass Works, 305 W Lombard, Baltimore, Md.
Magnis Co., Inc., 860 N Main, Los Angeles, Cal.
Maryland Brass & Metal Works, Calvert & Federal, Baltimore, Md.
More-Jones Brass & Metal Co., B'way & Dock, St. Louis, Mo.
Perfection Auto Parts Co., 410 Lakeside av, Cleveland, O.
PRECISION CASTINGS CO. INC., Syracuse, N. Y.
Reeves Paul S. & Co., 1415 Catherine, Phila., Pa.
San Diego Machine Co., San Diego, Cal.

2202— Cat-Gut (Surgical)

Cragin Calhoun (Imp. & Selling Agent) 71 Murray, New York
Davis & Geck, 221 Duffield, Brooklyn, N. Y.
Johnson & Johnson, New Brunswick, N. J.
Reid Bros., Inc., 91 Drumm, San Francisco, Cal.
Wilson Thos. E. & Co., 701 N Sangamon, Chicago, Ill.

2203—Catalogues (General Hardware)

Woodward-Tiernan Printing Co., 309 N 3rd, St. Louis, Mo.

Catch Basins & Covers

See Basins, Catch; also Inlets, Sewers

2204— Catchers (Fly)

Dejonge Louis & Co. ("Pyramid"), 71 Duane, New York
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

2205— Catchers (Grass)

American Mfg. Co., Columbus, O.
Buckeye Tent & Awning Mfg. Co., 264 Spruce, Columbus, O.
Coldwell Lawn Mower Co., Newburgh, N. Y.
F. & N. Lawn Mower Co. ("Simplex" & "Chief"), Richmond, Ind.
Granite State Mowing Machine Co., Hinsdale, N. H.
Krause R. F. ("Ideal," "Victor," "Boomer" Metal), Zion City, Ill.
Perfection Mfg. Co., 2701 N Leffingwell av, St. Louis, Mo.
Philadelphia Lawn Mower Co. ("Philadelphia"), 3101 Chestnut, Phila, Pa.
Specialty Mfg. Co. ("Leader," "Easy Emptying," "Detachable"), 2362 University av, St. Paul, Minn.
Supplee-Biddle Hardware Co., 510 Commerce, Phila., Pa.
Textile Products Mfg. Co., 1332 Dolman, St. Louis, Mo.
Whitaker Mfg. Co., 409 Green, Chicago, Ill.

2206— Catchers (Potato Bug)

Stevens Mfg. & Foundry Co., Decatur, Ill.

2207—Catchers & Retrievers (Trolley)

Earll Chas. I., 142 Susquehanna av, York, Pa.
Electric Service Supplies Co. ("Keystone"), 17th & Cambria, Phila., Pa.
Ohio Brass Co., Mansfield, O.
Wilson & Co. (Sole Mfrs. of the "Wilson"), 108 N 6th, Brooklyn, N. Y.
Wood Chas. N. Co., 294H Washington, Boston, Mass.

2207a—Catches (Bag, Pocket Book, etc.)

Stimpson Edwin B. Co. (Also Letter File), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book

2208—Catches (Baskets & Box, Fancy)

Ludwig A. & Co. (Box), 75 Spring, New York
Brainerd Mfg. Co. (& suit cases), E Rochester, N. Y.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*

2208a— Catches (Blind)

Grand Rapids Brass Co., Grand Rapids, Mich.
Sargent & Co., New Haven, Conn.
Stanley Works, New Britain, Conn.
See adv index at end of book

2209—Catches (Cupboard, Screen Door, Etc.)

Allith-Prouty Co. ("Prouty"), Danville, Ill.
Aurora Door Hanger & Specialty Co., Aurora, Ill.
Automatic Door Catch Co. ("Perfect" & Automatic Screen Door), Harvey, Ill.
Bradley & Farnham, Middlefield, Conn.
Brass Goods Mfg. Co., 345 Eldert, Brooklyn, N. Y.
Burgess & Norton Mfg. Co. ("Bur-Nor," "American" Screen Door Catches), Geneva, Ill.
Champion Hardware Co. (Also Elbow), Geneva, O.
Corbin P. F., New Britain, Conn.
Dent Hardware Co., Fullerton, Pa.
Dunn Mfg. Co., Mankato, Minn.
Ellis Mfg. Co., Millidale, Conn.
Forg Peter Mfg. Co., Somerville, Mass.
Frost C. L. & Son, Grand Rapids, Mich.
Gaynor Mfg. Co., Bridgeport, Conn.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Grand Rapids Brass Co. (Kitchen, Cabinet Catches only, Cabinet & Refrigerator), Grand Rapids, Mich.
Grey Iron Casting Co., Mt. Joy, Pa.
Hardware Supply Co. ("Frost's"), Grand Rapids, Mich.
Lawrence Bros. (General), Sterling, Ill.
McKinney Mfg. Co. (Door-Wrought Steel), Liverpool & Metropolitan, Pittsburgh, Pa.
Miller J. W. Co., Lancaster, Pa.
National Lock Co. (Cabinet), Rockford, Ill.
Niessen Bros. & Co., Fair Oaks, Cal.
Payson Mfg. Co. (Cupboard), 2918 W Jackson blvd, Chicago, Ill.
Peck C. A. Hardware Co., Berlin, Wis.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co. (Barn), Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Sharon Hardware Mfg. Co. ("Sharon," All Steel, also for Screen & Storm Doors), Sharon, Pa.
Shelby Spring Hinge Co. (Steel, Brass & Bronze, Polished), Shelby, O.
Stanley Works (Screen Door), New Britain, Conn. *See adv index at end of book*
Superior Door Catch Co., Superior, Wis.
Taylor & Boggis Foundry Co., Cleveland, Ohio
Wagner Mfg. Co. ("Wagner," Wheel), Cedar Falls, Ia.
WATERBURY BUTTON CORP. ("Shur-Lock"), 831 S Main, Waterbury, Conn.
See adv index at end of book
Weber-Knapp Co. (For Phonograph Cabinets, Sideboards and all other Cabinets, etc), Jamestown, N. Y.
Western Brass Mfg. Works, Marshall blvd. & W 21st, Chicago, Ill.

Catches (Elbow)

See also Catches, Cupboard, Screen Door, etc.

2210— Catches (End Gate)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.

Catches (Screen Door)

See Catches, Cupboard, Screen Door, etc.

2212— Catches (Show Case)

Dent Hardware Co. (Spring), Fullerton, Pa.
Sargent & Co., New Haven, Conn.

2213— Catches (Transom)

See also Catches, Cupboard, Screen Door, etc.
Champion Hardware Co., Geneva, O.
Corbin P. & F. ("Corbin"), Dept. H, New Britain, Conn.
Dent Hardware Co., Fullerton, Pa.
Ives H. B. Co., New Haven, Conn.
Payson Mfg. Co., 2918 W Jackson blvd, Chicago, Ill.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.

Catches (Window)

See Locks, Sash

2214 — Catenary Construction

Dent Hardware Co., Fullerton, Pa.
Ohio Brass Co., The (Materials For), Mansfield, Ohio
Westinghouse Elec. & Mfg. Co. (Materials for), E. Pittsburgh, Pa.
See adv index at end of book

2215— Cathetometers

Gaertner Wm. & Co., 5345 Lake Park av, Chicago, Ill.

2215a— Cathodes (Gold)

Baker & Co., 54 Austin, Newark, N. J.
Gracier S. B. Co. Inc., 698 Commercial, San Francisco, Cal.

2215b— Cathodes (Platinum)

Baker & Co., 54 Austin, Newark, N. J.
Bishop J. & Co., Platinum Wks., Malvern, Pa.
Elmer & Amend, 205 E 18th, New York
Caustic Castings, see Castings (Caustic)

2216— Caustic Soda

Adams Fred C. Co., 130 N. Wells, Chicago, Ill.
American Chemical Co. (Powdered), 640 Carr, Cincinnati, O.
Arnold Hoffman & Co., 55 Canal, Providence, R. I.
Babbitt B. F., Inc., 15 W 34th, New York
Barker Bros., Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
Breslauer A. (Solid & Ground; Industrial Chemicals), Am. Nat'l Bank bldg, San Francisco, Cal.
Champion Chemical Works, 19 W Austin, Chicago, Ill.
Clark Fred. G. Co. (For Wholesale Trade Only), 1031 W 11th, Cleveland, O.
Cooper & Cooper Inc., 23H Cliff, New York
Diamond Alkali Co., First Nat'l Bank bldg, Pittsburgh, Pa.
Dow Chemical Co. (76-78% solid), Midland, Mich.

(Continued on following page)

Caustic Soda—Continued

Drackett P. W. & Sons Co., 5020 Spring Grove av, Cincinnati, O.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Fergusson Bros., 109 Chestnut, Phila., Pa.
Fulper Edward B., Trenton, N. J.
General Chemical Co., 40 Rector, New York
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Great Western Electro-Chemical Co., 9 Main, San Francisco, Cal.
Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Hooker Electro Chemical Co., 25 Pine, New York
Industrial Minerals Co., Inc., 525 Phelan bldg, San Francisco, Cal.
Innis Speiden & Co., Inc., 46 Cliff, New York
Isco Chemical Co. ("Isco"), 46 Cliff, New York
Mailliard & Schmiedell (Mfrs. Agts.), 203 California, San Francisco, Cal.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Marsden-Sewell Corp., (Dirs.), 149 Church, New York
Mathieson Alkali Works ("Eagle" & "Thistle" Brands, 70, 72, 74 & 76 Per Cent), 25 W 43d, New York

MATHIESON
Liquid Chlorine-Caustic Soda-Soda Ash
Bleaching Powder-Anhydrous Ammonia
Modified Virginia Soda-Bicarbonate of Soda
"Eagle Thistle"
Caustic Soda
78% Electrolytic (N. Y. & L.) in solid and liquid forms
76% (Actual) in solid, flaked, ground and liquid forms
Plants at Niagara Falls, N. Y., and Saltville, Va. Warehouse stocks in all principal cities.
The MATHIESON ALKALI WORKS Inc.
25 WEST 43d STREET NEW YORK CITY

Mechling Bros. Mfg. Co. (Powdered), Camden, N. J.
Michigan Alkali Co., Ford bldg, Detroit, Mich.
Michigan Electrochemical Co., Menominee, Mich.
Myers E. Lye Co., 3d & Clard, St. Louis, Mo.
Niagara Alkali Co., Niagara Falls, N. Y.
NIAGARA SMELTING CORP., Niagara Falls, N. Y. *See adv index at end of book*

CAUSTIC SODA
Niagara Smelting Corporation
Niagara Falls, N. Y.

Penn Chemical Works (Powdered & Crushed), 1332 Washington av, Phila., Pa.
Penna Salt Mfg. Co., Widener bldg, Phila., Pa.
Riker J. L. & D. S. (mfr's agents), 19 Cedar, New York
Riverside Mfg. Co. (Flake or Ground), 4528 S. B'way, St. Louis, Mo.,
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book
Scobell Chemical Supply Co. Inc., 131H Railroad, Rochester, N. Y.
Sergeant E. M. Co., 131 Cedar, New York
Solvay Process Co., Syracuse, N. Y.
Vitro Manfg. Co., H. Bessemer bldg, Pittsburgh, Pa.
Vulcan Detinning Co., Republic Plant, Dept. H, Neville, S Pittsburgh, Pa.
Warner Chemical Co. ("Nelson" Cell), 52H Vanderbilt av, New York
Wiarda Jno. C. & Co. (Also Caustic Lye, etc.), 83 Provost, Brooklyn, N. Y.
See adv index at end of book

JOHN C. WIARDA & CO.
83 Provost St., Brooklyn, N. Y.
MANUFACTURING CHEMISTS

Wing & Evans (Selling Agent), 40 Rector, New York
Wolf Jacques & Co. (Selling Agents), Passaic, N. J.

2217—*Causticizing Apparatus

BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
ZAREMBA CO., 505 Crosby bldg, Buffalo, N. Y. *See adv index at end of book*

2218—Ceilings (Marbleized Glass)

Denzi & Phillips, 39 Vesey, New York
Mansfield & Co., 229 West, New York

2219-20—Ceilings (Sheet Steel)

Bayer J. C., Front & Market, Portland, Ore.
Berger Mfg. Co., 1038 Belden av N E, Canton, O.
Bostwick C. G., 236 N. Oxford, Hartford, Conn.
Boston Metal Ceiling & Mfg. Co., 27 Haymarket sq., Boston, Mass.
Boyle Mfg. Co., 5100 Santa Fe, Los Angeles, Cal.
Brooklyn Metal Ceiling Co., 287 Greene av, Brooklyn, N. Y.
Burton W. J. Co., 5650 Federal, Detroit, Mich.
Canton Art Metal Co., Canton, O.
Canton Steel Roofing Co., 1221 Tuscarawas E, Canton, O.
Carter Sheet Metal Co., Omaha, Neb.
Consolidated Sheet Metal Works, 661 Hubbard, Milwaukee, Wis.
Delphos Mfg. Co. ("Nustyle"), First & Pierce, Delphos, O.
Dickelman Mfg. Co., Forest, Ohio.
Dominion Metal Products Co., Roanoke, Va.
Dowman-Dozier Mfg. Co., Atlanta, Ga.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
Eller Mfg. Co. (The) ("Perfect-Fit"), 1200 Camden av S W, Canton O
Falcon Steel Co., Niles, Ohio
Florida Metal Products Co., Jacksonville, Fla.
Foster Sheet Metal Co., Springfield, Ill.
Frand M. J. & Co., Camden, N. J.
Friedley-Voshardt Co., 733 S Halsted, Chicago, Ill.
Gara-McGinley Co., 218 N 13th, Phila., Pa.
Holzer R. G. (Estate of) (Jobbers), 317 Burgundy, New Orleans, La.
Hopson W. C. Co., Grand Rapids, Mich.
International Steel & Iron Co., Evansville, Ind.
Kalamazoo Sheet Metal Mfg. Co., Kalamazoo, Mich.
Keighley S. Metal Ceiling & Mfg. Co., 124 3d av, Pittsburgh, Pa.
Klauer Mfg. Co., Dubuque, Ia.
La Crosse Steel Roofing & Corrugating Co., La Crosse, Wis.
Marshall Blow Pipe Co., 7431 Dubois, Detroit, Mich.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Mesker Geo. L. & Co., Evansville, Ind.
Messenger & Parks Mfg. Co., Aurora, Ill.
Milwaukee Corrugating Co. ("Invisible Joint"), Milwaukee, Wis.
Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, O.
See adv index at end of book
New England Steel Roofing Co., 274 Main, Worcester, Mass.
New Orleans Roofing & Metal Co., ("Nola"), Cortez & Orleans, New Orleans, La.
New York Iron Roofing & Corrugating Co., 94 1st, Jersey City, N. J.
Newport Rolling Mill Co., Newport, Ky.
Norman W. F. Sheet Metal Mfg. Co. ("Hi-Art"), Nevada, Mo.
Orleans Steel Products Co. (Jobbers), 1021H Bienville, New Orleans, La.
Penn Metal Ceiling & Roofing Co. (Ltd.), 23d & Hamilton, Phila., Pa.
Penn Metal Co. ("Penco"), 65 Franklin, Boston, Mass.
Porter Iron Roofing & Corrugating Co., 418 Culvert, Cincinnati, O.
Reeves Mfg. Co., Dover, O.
St. John & Barguist, Des Moines, Ia.
St. Paul Roofing, Cornice & Ornament Co., St. Paul, Minn.
Scott Roofing & Mfg. Co., 408 Culvert, Cincinnati, O.
Schoedinger F. O. ("Universal" "Lock Joint," "Fasco"), 346 Mt. Vernon av, Columbus, O.
Seattle Metal Ceiling Co., Seattle, Wash.
Souther E. E. Iron Co., Kienlin & Hamburger av, St. Louis, Mo.
Standard Sheet Metal Works, Washington, Pa.
Steel Roofing & Stamping Works (W. F. Hansen, Prop.), Des Moines, Ia.
Supro Building Products Corp., 315 Vanderbilt av, Brooklyn, N. Y.
Tiffin Art Metal Co., 20 Broad, Tiffin, O.
Valley Cornice & Slate Co. (Ltd.), Saginaw, Mich.
Wagner J. F. Sons Co., 1145 S 7th, Louisville, Ky.
Watson Jas. H. Co., Bradley, Ill.
Western Steel Products Co., New Duluth, Minn.
Wheeling Corrugating Co., Wheeling, W. Va.
Wheeling Metal & Mfg. Co. (Light Diffuser), Wheeling, W. Va.
Woolwine Metal Products Co., 8th & Santa Fe aves, Los Angeles, Cal.

2221— *Celakap

Atlas Powder Co., Wilmington, Del.
Giant Powder Co. Cons., San Francisco, Cal.

2222—Cellar Drainers (Automatic)

See also Drains, Floor

Douds Frank C. & Co. (& Valve Controlled "Douds"), New Castle, Pa.
Dreher Ernest A. & Son, 142 Walnut, Newark, N. J.
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erwin & Co. ("Perfection"), 2736 Cottage Grove av, Chicago, Ill.
Hall Mfg. Co. (C. & A. Syphon), Harrison, N. J.
Kemp C. M. Mfg. Co. ("Climax"), 405 E Oliver, Baltimore, Md.
Lawler Regulator Co., 435 N Railroad av, Mt. Vernon, N. Y.
Newark Brass Works, 22 Lawrence, Newark, N. J.
Penberthy Injector Co., 346 Holden av, Detroit, Mich.

Cellar Drains

See also Drains (Cast Iron)

2223— Cellar Window Sets

Griffin Mfg. Co., Erie, Pa.
Ives H. B. Co., New Haven, Conn.
National Mfg. Co., Sterling, Ill.
Sharon Hardware Mfg. Co. (Wrought Steel Fixtures), Sharon, Pa.
Stanley Works, New Britain, Conn.

2224— Cellars (Cyclone)

Harry Bros. Co. ("Harry's," Corrugated Galvanized Iron), Carr & I. C. R. R., New Orleans, La.

2225— Cells (Electrolytic)

Bleach Process Co. (Circular), Dept. H, Appleton, Wis.
Braun Corp., 363 New High, Los Angeles, Cal.
Elmer & Amend ("Edgar-Purdum"), 205 E 18th, New York
Elec. Water Sterilizer & Ozone Co., Scottdale, Pa.
Electro Chemical Co., Dayton, O.
Electrolabs Co., 2635 Penn av, Pittsburgh, Pa. *See adv index at end of book*
Electron Chemical Co., 31½ Exchange, Portland, Me.
Hooker Electro Chemical Co., 25 Pine, New York
Mathieson Alkali Works, Inc., Niagara Falls, N. Y.
Warner Chemical Co., 52 Vanderbilt av, New York

2226—Cells (Leaching or Diffusion Batteries)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Swenson Evaporator Co., 58 W Jackson blvd, Chicago, Ill.
Zaremba Co., 505 Crosby bldg, Buffalo, N. Y. *See adv index at end of book*

2227—Celluloid, Fiberloid, Pyralin, Viscoloid & Xylonite

Celluloid Co. (Celluloid), 38 Washington pl, New York

DU PONT

PYRALIN

DU PONT

A flexible, waterproof and plastic pyroxylin material manufactured in a variety of forms and colors as follows:

PYRALIN SHEETING

Manufactured in thicknesses from 5/1000" up in sheets 20" x 50" in size. In a wide variety of transparent, translucent and opaque color shades and color combinations, including Amber, Pearl, Horn, Bronze, Ivory, Shell and mottled, striped and plaid effects. Can be fabricated by a wide variety of methods.

PYRALIN RODS and TUBES

Manufactured in tubes, diameter of hole 1/16" to 3"; wall thickness from 30/1000" up. 55" lengths. All colors.
Rods and beading in diameters from .057 to 1"; all colors in which Pyralin sheet stock is obtainable. Easy to work and extensively used in many varied industries.

PYRALIN TOILETWARE

A complete line of toilet articles sold under well known "Pyralin" brand name. Made in Ivory, Amber, Shell, Ivorytone and Shelltone Pyralin, including Brushes, Combs, Mirrors, Puff Boxes, Hair Receivers, Manicure Instruments, Trays, Shoe Horns, Clocks, Pin Cushions, Jewel Boxes, Bud Vases, Picture Frames, etc.

E. I. du Pont de Nemours & Co., Inc.
Pyralin Department, Arlington, N. J.

DU PONT E. I. DE NEMOURS & CO., INC., Pyralin Dept., Arlington, N. J.
See adv index at end of book
Fiberloid Corp. (Fiberloid), Indian Orchard, Mass.
Martin Auto Specialty Co. ("Martin"), Lancaster, Ohio
Viscoloid Co., Leominster, Mass.

2227a— Celluloid Specialties

Bachmann Bros., 609 Commerce, Phila., Pa.
Bastian Bros. Co., 69H Mount Hope av, Rochester, N. Y.
Carr M. W. & Co., West Somerville, Mass.
Carroll J. Bruce, 3057H Carroll, Chicago
Felsenthal G. & Sons, 446H Wells, Chicago, Ill.
Geraghty & Co., 3035H W Lake, Chicago
Napier-Browning Co., 105 W 40th, New York
ROYAL COMB CO. ("Pyroxolyn"), 180 Pond, Leominster, Mass.
Sadler Bros., So. Attleboro, Mass.

2228— Celluloid (Transparent)

Landers Bros. Co., Toledo, O.

2228a— Cellulose Acetate

Chemical Products Co., 44K South Boston, Mass.

2229-30— Cement Concrete Block Facing

CHENEY & CO., INC., 110 W 40th, New York *See adv index at end of book*
Ohio Marble Co. ("Pulva Alba"), Piqua, O.

Cement Dealers

See Masons' & Builders' Materials

2231-6— Cement Importers

Carolina Portland Cement Co., Charleston, S. C.
Casse, Jos. (Imp.), 369 Pine, San Francisco, Cal.
Fowler & McVitie, Galveston, Tex.
Grace W. R. & Co. (German & Belgian), 332 Pine, San Francisco, Cal.
Harrison Supply Co. ("Wonder," "Meyers," "Fix-All"; For stone works), 209 Washington, Boston, Mass.
Meyer Wilson & Co., 454 California, San Francisco, Cal.
Parr Wm. & Co., Galveston, Tex.
Spreckels Bros. Commercial Co., Citizens Bank bldg, Los Angeles, Cal.
Thiele E., 11 Cliff, New York
Waldo Bros. & Bond Co., 181 Congress, Boston, Mass.

Cement Importers (Keene's)

See Cements, Keene's Imported

2237— Cement Mfrs.

All firms under this heading, unless otherwise marked, manufacture "Portland" Cement. Star (*) indicates Hydraulic or Natural Cement Manufacturers.
For Cement Dealers, See Masons' & Builders' Materials

BAKELITE
CEMENTS
for binding metal, porcelain, wood, rubber, fibre, where tenacious heat-resisting material is required.
Send for our Booklet Z.
BAKELITE CORPORATION
247 PARK AVENUE NEW YORK, N. Y.
CHICAGO OFFICE: 636 WEST 22nd STREET

ALABAMA.

BIRMINGHAM — *Southern Cement Co. ("Alabama" & "Magnolia" Brands)
Standard Portland Cement Co. ("Standard" Brand).
DEMOPOLIS—Gulf States Portland Cement Co. ("Warrior Brand")
LEEDS—Standard Portland Cement Co. ("Standard" Brand)
RAGLAND—Coosa Portland Cement Co. ("Coosa" Brand), (See Phila., Pa.)

CALIFORNIA.

BAKERSFIELD — Bakersfield Sandstone Brick Co.
CEMENT—Pacific Portland Cement Co. ("Golden Gate"). (See San Francisco)
COLTON—California Portland Cement Co. ("Colton" Brand). (See Los Angeles)
COWELL—Cowell Portland Cement Co. (See San Francisco, Cal.)
DAVENPORT—Santa Cruz Portland Cement Co. (See San Francisco, Cal.)
HALLECK—Golden State Portland Cement Co. (See Los Angeles)
LOS ANGELES—California Portland Cement Co. ("Colton" Brand). Works: Colton, Cal.
*Golden State Portland Cement Co. (Portland)
Southwestern Portland Cement Co. ("Victor Brand" and "Victor" oil well cement), H. W. Hellman bldg
NAPA JUNCTION—Standard Portland Cement Corp'n ("Standard" Brand). (See San Francisco)
RIVERSIDE—Riverside Portland Cement Co. (See San Francisco, Cal.)
SAN FRANCISCO—Cowell Portland Cement Co. ("Mt. Diablo"), 2 Market
Golden State Portland Cement Co., 200 Bush
Meyer Wilson & Co. (Importers), 485H Calif.
Old Mission Portland Cement Co., Mills bldg
Pacific Portland Cement Co. Cons'd ("Golden Gate" Brand), Pacific bldg.
Riverside Portland Cement Co. (("Riverside" Brand), Mills bldg. Works: Riverside, Cal.
Santa Cruz Portland Cement Co. ("Santa Cruz" Brand), Crocker bldg. Works: Davenport, Cal.
Standard Portland Cement Corp'n ("Standard" Brand), Crocker bldg
VICTORVILLE — Southwestern Portland Cement Co.

COLORADO.

CONCRETE—United States Portland Cement Co. (See Denver, Colo.)
DENVER—Colorado Portland Cement Co. ("Pike's Peak" & "Ideal" Brand). Ideal bldg. Works: Portland, Colo.
United States Portland Cement Co. ("Concrete" Brand). Works: Concrete, Colo.
PORTLAND—Colorado Portland Cement Co. (See Denver, Colo.)

GEORGIA.

ROCKMART — Southern States Portland Cement Co. ("Southern States" Brand)

ILLINOIS.

CHICAGO—Chicago Portland Cement Co. ("Chicago AA" Brand), 111 W Washington, Works: Oglesby, Ill.
De Smet Quartz Tile Co., 133 W Washington
Dolese Bros. Co., 337 W Madison
Marquette Cement Mfg. Co., 140 S Dearborn
Universal Portland Cement Co. ("Universal" Portland), 208 S La Salle. Works: So. Chicago, Ill.; Buffington, Ind., & Universal, Pa.
DIXON—Sandusky Cement Co. ("Medusa" Brand), (See Cleveland, O.)
LA SALLE—La Salle Portland Cement Co. ("Owl" Brand)
Marquette Cement Mfg. Co. ("Marquette" Brand)
OGLESBY—Lehigh Portland Cement Co. (See Allentown, Pa.)
UTICA—*Utica Hydraulic Cement Co.

INDIANA.

MITCHELL—Lehigh Portland Cement Co. ("Lehigh" Brand). (See Allentown, Pa.)
SELLERSBURG—Louisville Cement Co. (See Louisville, Ky.)
STROH—Wabash Portland Cement Co. ("Wabash" Brand). (See Detroit, Mich.)
SYRACUSE—Sandusky Cement Co. ("Medusa" Brand). (See Cleveland, O.)
VALPARAISO—Chicago Mica Co. (Transformer), Campbell
See adv index at end of book

IOWA.

DES MOINES—Hawkeye Portland Cement Co. ("Hawkeye" Brand)
GILMORE CITY—Fort Dodge Portland Cement Corp. (See Fort Dodge, Ia.)
MASON CITY—Lehigh Portland Cement Co. (See Allentown, Pa.)
Northwestern States Portland Cement Co. ("Northwestern" Brand)

KANSAS.

CHANUTE—Ash Grove Lime & Portland Cement Co. ("Ash Grove" Brand) (See Kansas City, Mo.)
FORT SCOTT—*Fort Scott Hydraulic Cement Co. ("Four Star" Brand, Hydraulic)
FREDONIA—Fredonia Portland Cement Co. ("Fredonia" Brand)
HUMBOLDT—Monarch Cement Co.
INDEPENDENCE—Western States Portland Cement Co. ("Cowboy" Brand)
MILDRED—Great Western Portland Cement Co. (See Kansas City, Mo.)

KENTUCKY.

KOSMOSDALE—Kosmos Portland Cement Co. ("Kosmos" Brand)
LOUISVILLE—Louisville Cement Co. ("Speed," "Louisville," "Brixment"), 315H Guthrie

MARYLAND.

BALTIMORE—Rockcastle Cement & Lime Co., Munsey bldg. Works: Pine Hill, Ky.
Tidewater-Portland Cement Co., Calvert bldg. Works: Union Bridge, Md.
CUMBERLAND—*Cumberland Hydraulic Cement & Mfg. Co. ("B. & H." Brand, Hydraulic)
Cumberland Portland Cement Co.
HAGERSTOWN—Security Cement & Lime Co. (Works: Security, Md.)
SECURITY—Security Cement & Lime Co. (See Hagerstown, Md.)
UNION BRIDGE—Tidewater-Portland Cement Co. (See Baltimore)

MICHIGAN.

ALPENA—Huron Portland Cement Co. (See Detroit, Mich.)
BELLEVUE—Burt Portland Cement Co. ("Burt" Brand)
CEMENT CITY—Peninsular Portland Cement Co. ("Peninsular" Brand)
CHELSEA—Michigan Portland Cement Co. ("Michigan" Brand)
COLDWATER—Wolverine Portland Cement Co. ("Wolverine" Brand)

(Continued on following page)

Cement Mfrs.—Continued

MICHIGAN—Continued

DETROIT—Aetna Portland Cement Co ("Aetna"), Union Trust bldg.
Huron Portland Cement Co. ("Huron" Brand), 1325 Ford bldg. Works: Alpena, Mich.
New Egyptian Portland Cement Co., 408 W Fort
Wabash Portland Cement Co. ("Wabash" Brand), 1824 Ford. Works: Stroh, Ind.
Wyandotte Portland Cement Co. ("Wyandotte" Brand), Ford bldg. Works: Wyandotte, Mich., 1325 Ford bldg
GRAND RAPIDS—Newaygo Portland Cement Co. ("Newaygo" & "Gibraltar" Brands) (See Newaygo, Mich.)
CEMENT CITY—Peninsular Portland Cement Co. ("Peninsular" Brand)
NEWAYGO—Newaygo Portland Cement Co. ("Newaygo" & "Gibraltar" Brands)
QUINCY—Wolverine Portland Cement Co. (See Coldwater, Mich.)
UNION CITY—Peerless Portland Cement Co. ("Peerless" Brand)
WYANDOTTE—Wyandotte Portland Cement Co. ("Wyandotte" Brand) (See Detroit, Mich.)

MINNESOTA.

MANKATO—Carneys Cement Co. ("Carneys Cement")

MISSOURI.

CAPE GIRARDEAU—Cape Girardeau Portland Cement Co. ("Eagle" Brand)
KANSAS CITY—Ash Grove Lime & Portland Cement Co. ("Ash Grove" Brand), 7th fl Grand av Temple
Bonner Portland Cement Co. ("Bonner" Brand), Mutual bldg
Dewey Portland Cement Co. ("Dewey" Brand), Scarritt bldg. Works: Dewey, Okla.
Great Western Portland Cement Co. ("G. W." Brand). 715 N 10th. Works: Mildred, Kan.
Lehigh Portland Cement Co., Commerce bldg.
ST. LOUIS—Continental Portland Cement Co. ("Continental" Portland), Arcade bldg
Glencol Lime & Cement Co., Dept. H, Syndicate Tr. bldg
Hunkins-Willis Lime & Cement Co. (Dirs), Century bldg
Meramec Portland Cement & Material Co., Syndicate Trust bldg
Missouri Portland Cement Co. ("Red Wing"), Post Dispatch bldg
Union Sand & Material Co. ("Red Ring" & "K. & C." Brands), International Life bldg

MONTANA.

TRIDENT—Three Forks Portland Cement Co. (See Denver, Colo.)

NEW JERSEY.

ALPHA—Alpha Portland Cement Co. ("Alpha" Brand) (See Easton, Pa.)
CAMDEN—Williams Mfg. Co. ("Cyameeze" Adhesive Acid Resisting, Fireproof, High temperature, Iron, Waterproof)
NEWARK—Bath Portland Cement Co., 31 Clinton. Works: Bath, Pa.
Hetzel J. G. (Est. of), 67 Main
PARLIN—DU PONT E. I. DE NEMOURS & CO. INC. (Chemical Products Div.) (See Adv. at Chemicals)
See adv index at end of book
STEWARTSVILLE—Edison Portland Cement Co. ("Edison" Brand)
VULCANITE—(P. O. at Phillipsburg)—Vulcanite Portland Cement Co.; Main Office: Phila., Pa.

NEW YORK.

ALBANY—Helderberg Cement Co. ("Helderberg" Brand). Works: Howes Cave, N. Y.
ALSEN—Alsen's American Portland Cement Works ("Alsen" Brand). (See N. Y. City)
BINGHAMTON—Atlas Coal & Supply Co.
BINNEWATER—NICHOLS, GEORGE W. (Rosendale Natural—"AJS Star Brand")
CATSKILL—Acme Cement Corp.
CEMENTON—Alpha Portland Cement Co. ("Alpha" Brand) (See Easton, Pa.)
Catskill Cement Co.
GLENS FALLS—Glens Falls Portland Cement Co. ("Iron Clad" Brand)
HOWES CAVE—Helderberg Cement Co. ("Helderberg" Brand), (See Albany, N. Y.)
HUDSON—Atlas Portland Cement Co. ("Atlas"). (See New York City)
Knickerbocker Portland Cement Company, Inc. (See N. Y. C.)
ITHACA—Cayuga Cement Corp. ("Cayuga" Brand). Works: Portland Point, N. Y.
JAMESVILLE—Alpha Portland Cement Co.
Millen Portland Cement Co.
LYNBROOK—H. & K. Specialty Co. (Asbestos & China), Dept. H

NEW YORK CITY

Borough of Brooklyn.

BROOKLYN—Stone Tar Products Co. (Plumbers), 97 S 16th

Boroughs of Manhattan and Bronx.

NEW YORK—Atlas Portland Cement Co. ("Atlas" & "Atlas-White"), 25 Broadway
Bakelite Corp., 247 Park av
See adv index at end of book
Cuban Portland Cement Co., 347 Madison av
Davids Bros. Inc. (Wood), 213 Centre
Dixon Wm. (Jewelers & Engravers), 119 Fulton
Integral Waterproofing Co., Inc., (Waterproofing, Portland), 80 Front
Knickerbocker Portland Cement Co. ("Knickerbocker"), 342 Madison av
Pennsylvania Cement Co. ("Pensylvania" Brand), 131 E 46th. Works: Bath, Pa.
Wohlberg, Richard (Rubber & Leather), Boone av & 173rd

(End of New York City)

PORTLAND POINT—Cayuga Cement Corporation
ROME—Betson Plastic Fire Brick Co. ("Hi-Heat")
SYRACUSE—Colebrook W. H. & Sons

OHIO.

BAY RIDGE—Sandusky Cement Co. (See Cleveland, O.)
CASTALIA—Castalia-Portland Cement Co. ("Tiger" Brand) (See Pittsburgh, Pa.)
CLEVELAND—Diamond Portland Cement Co. ("Diamond" Brand), 1313 Williamson. Works: Middle Branch, O.
Sandusky Cement Co. ("Medusa" Brand), Engineers bldg. Works, Bay Bridge, O.; York, Pa.; Syracuse, Ind. & Dixon, Ill.
IRONTON—Ironton Portland Cement Co. ("Limestone" Brand)
JACKSON—Wellston Iron Furnace Co. ("Superior")
LISBON—*Lisbon Cement Co. (Hydraulic)
MIDDLE BRANCH—Diamond Portland Cement Co. ("Diamond" Brand). (See Cleveland, O.)
OHIO—continued
SANDUSKY—Sandusky Cement Co. (See Cleveland, O.)
SUPERIOR—Wellston Iron Furnace Co. ("Superior")

OKLAHOMA.

ADA—Oklahoma Portland Cement Co. ("O. K." Brand)
DEWEY—Dewey Portland Cement Co. ("Dewey" Brand). (See Kansas City, Mo.)
HARTSHORNE—Choctow Portland Cement Co.

OREGON.

OSWEGO—Oregon Portland Cement Co.
PORTLAND—Beaver Portland Cement Co., Porter bldg. Works: Gold Hill, Ore.

PENNSYLVANIA.

ALLENTOWN—Allentown Portland Cement Co. ("Allentown"); Works: Evansville, Pa.
Lehigh Portland Cement Co. ("Lehigh" Brand). Works: Ormrod Pa.; West Coplay, Pa.; Fogelsville, Pa.; New Castle, Pa.; Mason City, Iowa; Metaline Falls, Wash.; Mitchell, Ind.; Oglesby, Ill. & Iola, Kans., Fordwick, Va.
Penn-Allen Cement Co. ("Penn-Allen" Brand). Works: Nazareth, Pa.
BATH—Bath Portland Cement Co. ("Bath" Brand) (See Newark, N. J.)
Pennsylvania Cement Co. ("Pennsylvania" Brand) (See New York City)
CEMENTON—Whitehall Cement Mfg. Co. ("Whitehall" Brand) (See Phila., Pa.)
COPLAY—Coplay Cement Mfg. Co. ("Saylor" Brand)
EASTON—Alpha Portland Cement Co. ("Alpha" Brand). Works: Alpha, N. J.; Cementon, N. Y.; Jamesville, N. Y., Manheim, W. Va., Martins Creek, Pa., La Salle, Ill., Bellevue, Mich., Ironton, Ohio, St. Louis, Mo., & Chicago, Ill.
EGYPT—Giant Portland Cement Co. (See Phila., Pa.)
EVANSVILLE—Allentown Portland Cement Co. (See Allentown, Pa.)
MARTINS CREEK—Alpha Portland Cement Co. ("Alpha" Brand) (See Easton, Pa.)
NAZARETH—Dexter Portland Cement Co. ("Dexter" Portland Brand)
Nazareth Cement Co. ("Nazareth" Brand)
Penn-Allen Cement Co. ("Penn-Allen" Brand)
*Phoenix Portland Cement Co. ("Phoenix" Portland).
NEW CASTLE—Lehigh Portland Cement Co. ("Lehigh" Brand) (See Allentown, Pa.)
NORTHAMPTON—Lawrence Portland Cement Co. ("Dragon" Brand)
Atlas Supply Co., 108 Ring
PHILADELPHIA—Atlas Supply Co. (Disc Grinder & Gasket), 4537 High
Coosa Portland Cement Co., N Stock Exchange bldg
Coplay Cement Mfg. Co. ("Saylor" Brand), Widener bldg. See Coplay, Pa.
*French Samuel H. & Co. ("French"), 4th & Callowhill
Giant Portland Cement Co. ("Giant"), Penna. bldg. Works: Egypt, Pa. & Norfolk, Va.
Vulcanite Portland Cement Co. ("Vulcanite" Brand), Land Title bldg; Works: Vulcanite, N. J.
Whitehall Cement Mfg. Co. ("Whitehall" Brand), Land Title bldg; Works: Clementon, Pa.
PITTSBURGH—Castalia Portland Cement Co. ("Tiger" Brand), Publication bldg. Works: Castalia, O.
Chamberlain & Johnson (Gas Fitters), 1238 Voskamp N S
READING—Wilhelm A. Co.
SCRANTON—Bour L. J. Refractories Co., Laurel Line & Front
SIEGFRIED—Lawrence Portland Cement Co. ("Dragon" Brand) (See Northampton, Pa.)
UNIVERSAL—Universal Portland Cement Co., Mair Office, Chicago, Ill.
WAMPUM—Crescent Portland Cement Co. ("Crescent" Brand)
YORK—Sandusky Cement Co. ("Medusa" Brand) (See Cleveland, O.)
South Car.-Charleston Standard Portland Cement Co. ("Standard" Brand)

TENNESSEE.

CHATTANOOGA—Dixie Portland Cement Co. ("Royal" Brand), James bldg
Sloan & Co., 706 E 9th
KINGSPORT—Clinchfield Portland Cement Corp.
NASHVILLE—Hermitage Portland Cement Co., 174 3d av N
*Tenn. Cement & Lime Co. (Hydraulic), 306½ Union
RICHARD CITY—Dixie Portland Cement Co. ("Royal" Brand) (See Chattanooga)

TEXAS.

CEMENT—Texas Portland Cement Co. ("Lone Star" Portland)
Trinity Portland Cement Co. ("Trinity" Brand)
DALLAS—Texas Portland Cement Co. ("Lone Star," Portland)
EL PASO—Southwestern Portland Cement Co. ("El Toro" Brand)
SAN ANTONIO—San Antonio Portland Cement Co. ("San Antonio" Brand)

UTAH.

DEVILS SLIDE—Union Portland Cement Co. (See Ogden, Utah)
OGDEN—Ogden Portland Cement Co. Works: Bakers, Utah
Union Portland Cement Co. ("Red Devil" Brand). Works: Devil Slide, Utah
SALT LAKE CITY—Portland Cement Co. (of Utah) ("Utah")

VIRGINIA.

FORDWICK—Lehigh Portland Cement Co.
ROANOKE—Adams, Payne & Gleaves, Inc. (Dirs.)

WASHINGTON.

CONCRETE—Superior Portland Cement Co. (See Seattle, Wash.)
Washington Portland Cement Co. ("Washington" Brand). (See Seattle, Wash.)
METALINE FALLS—Lehigh Portland Cement Co.
SEATTLE—Lehigh Portland Co., Ltd., Stuart bldg
Superior Portland Cement Co. ("Superior" Brand); Works: Concrete, Wash.
SPOKANE—International Portland Cement Co., Irwin

WEST VIRGINIA.

MANHEIM—Alpha Portland Cement Co. (See Easton, Pa.)

2237a— Cement (Waterproof Household and Belt)

Bitu-Mortar Waterproofing Co., 280 Madison av, New York
DU PONT E. I. DE NEMOURS & CO., INC. (Chemical Products Div.) (See Adv. at Chemicals), Parlin, N. J.
See adv index at end of book
Hydro-Bar Waterproofing Co., 356 1st av, New York
Integral Waterproofing Co., 80 Front, New York
Masland Duraleather Co. (The), Amber & Westmoreland, Phila., Pa.
See adv index at end of book
Patrizio & Hendrickson, 280 Mad. av, New York
Williams Mfg. Co. (Waterproof), Camden, N. J.

2238— Cements (Acid Proof)

Anti-Hydro Waterproofing Co., 9 Orchard, Newark, N. J.
Armstrong Co., 226 Post av, Detroit, Mich.
Bakelite Corp., 247 Park av, New York
See adv index at end of book
Empire Tire & Rubber Corp. ("Empire" Tire Repair), Trenton, N. J.
Hagstrom, Joel, Underhill av, Brooklyn, N. Y.
QUIGLEY FURNACE SPECIALTIES CO., 26 Cortlandt, New York
See adv index at end of book
Special Service Flooring Corp., 2009 Grand Central Terminal, New York
Toch Bros., 320 Fifth av, New York

2238a— Cements (Adhesive)

National Gum & Mica Co., 12 W End av, New York

2239— Cements (Asbestos)

Acme Asbestos Covering & Flooring Co., 234 N Elizabeth, Chicago, Ill
See adv index at end of book
Albion Mfg. Co. (Plastic Roof), 709 1st av, Seattle, Wash.
Armstrong Co. ("Tharco"), 226 Post av, Detroit, Mich.
Asbestos Products Co. ("Triangle Brand"), E1202 Sprague, Spokane, Wash.
Atlas Co. (For Boiler Coverings), Lincoln, N. J.
Carey Philip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, O.
CHENEY & CO. INC., 110 W 40th, New York *See adv index at end of book*
Chicago Asbestos Mfg. Co., 1909 W 22d pl, Chicago, Ill.
Clinton Metallic Paint Co. ("Clinton"), Dept. H, Clinton, N. Y.
Colebrook's W. H. Sons ("Crown"), Syracuse, N. Y.
Connors Wm. Paint Mfg. Co. ("American Seal"), Troy, N. Y.
Darcoid Company, 1780 Broadway, New York *See adv index at end of book*
Franklin Mfg. Co. ("Franklin"), Franklin, Pa.
General Asbestos & Rubber Co., Charleston, S. C.
Gillen-Cole Co. ("Calorabestos"), 60 N Front, Portland, Ore.
H. & K. Specialty Co., Dept. H, Lynbrook, N. Y.
Johns-Manville Inc., Madison av & 41st, New York
Keasbey & Mattison Co. (Also Magnesia), Ambler, Pa.
Klein Mfg. Co., H, American Trust bldg, Cleveland, Ohio
Mikesell Bros. Co., Wabash, Ind.
See adv index at end of book
National Asbestos Mfg. Co., 193 Henderson, Jersey City, N. J.
Norristown Magnesia & Asbestos Co., Norristown, Pa.
Pecora Paint Co., 4th & Sedgley av, Phila., Pa.
Special Service Flooring Co., 2009 Grand Central Terminal, New York
Super-Test Products Co. ("Super-Test"), 2416 E 14th, Los Angeles, Cal.
Union Asbestos & Rubber Co., 351 E Ohio, Chicago, Ill.
See adv index at end of book
U. S. Asbestos Co., 45 N Duke, Lancaster, Pa.
Watson H. F. Co., Erie, Pa.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book
Williams Stove Lining Co., Taunton, Mass.

2240— Cements (Asphalt)

See also Asphalt Miners & Refiners

Alcatraz Co., Inc., 3200 Williamsburg av, Richmond, Va.
Atlas Co. (Roofing), Lincoln, N. J.
Barber Asphalt Co. ("Trinidad" & "Bermudez"), Land Title bldg, Phila., Pa.
Byerly & Sons ("Byerlyte"), 2489 W 4th, Cleveland, O.
Carey Philip Mfg. Co. 330 Wayne av, Lockland, Cincinnati, O.
Certain-teed Products Corp. ("Gilsonite"), Boatman's Bank bldg, St. Louis, Mo.
Klein Mfg. Co., H, American Trust bldg, Cleveland, Ohio
Ruberoid Co., The ("Ruberoid"), 95 Madison, New York
See adv index at end of book
Special Service Flooring Corp., 2009 Grand Central Terminal, New York
Standard Paint Co. ("Rub-ber-oid"), 233 B'way, New York
Standard Oil Co. ("Petrolastic"), 225 Bush, San Francisco, Cal.
Texas Company (The), Dept. D, 17 Battery pl, New York
See adv index at end of book
Trinidad Asphalt Mfg. Co., Title Guarantee Trust bldg, St. Louis, Mo.
Warren Bros. Co., 142 Berkeley, Boston,
Watson H. F. Co., Erie, Pa.

2241-2—Cements (Automobile Radiator)

Buffalo Specialty Co., 375 Ellicott, Buffalo, N. Y.
Camden Chemical Mfg. Co. ("Greyhound"), 1800 Mickle, Camden, N. J.
Durkee Atwood Co., 40 Wilder, Minneapolis, Minn.
Northwestern Chemical Co. ("Se-Ment-Oil"), Marietta, O.
Permatex Co. Inc. ("Permatex," Liquid & Dry), Sheepshead Bay, N. Y.
Prufo Products Co. ("Prufo"), 54 Union av, Portland, Ore.
Victor Chemical Co. ("Victor"), 1953 S. Los Angeles, Los Angeles, Cal.
X Laboratories, 25 W 45th, New York

2243— Cements (Belt)

See also Belt Dressing

Akron Belting Co., Akron, O.
Allen W. D. Mfg. Co. ("Ajax," "Otter"), 201-211 N Jefferson, Chicago, Ill
See adv index at end of book
Ambroid Company, 227 Miller av, Brooklyn, N. Y.
Burr Oak Belting Co. ("Eternity"), 1103 York, Cincinnati, O.
Callahan Geo. & Co., 218 Front, New York
Chemical & Engineering Co. ("Red Dragon" Waterproof), Watertown, N. Y.
CHICAGO BELTING CO., 110 N Green, Chicago, Ill.
See adv index at end of book
Chicago Rawhide Mfg. Co. (The), 1307 Elston av, Chicago
See adv index at end of book
Cleveland Oak Belting Co. ("Durable"), 1239 W 9th, Cleveland, Ohio
Consolidated Belting Co., Berkly & Germantown av, Phila., Pa.
Cook Barron C. Chemical Mfg. Co., Charlotte, N. C.
Druid Oak Belting Co., ("Primo," "Waterproof"), 111 E Lombard, Baltimore, Md.
DU PONT E. I. DE NEMOURS & CO. INC. (Chemical Products Div.) (See Adv. at Chemicals), Parlin, N. J.
See adv index at end of book
Eagle Counter & Leather Co., Hulbert & Freeman, Cincinnati, O.
Ellert C. H., 1200 S 1st, Evansville, Ind.
Elwell B. F. Glue Co., Rockport, Mass.
G. R. Belting Co., Grand Rapids, Mich.
Graton & Knight Mfg. Co. ("Royal Worcester," "Neptune"), 356 Franklin, Worcester, Mass.
See adv index at end of book
Hercules Powder Co., Wilmington, Del.
Hudson Belting Co. ("Hudson." Also "Mermaid" Waterproof), 3 Eaton pl, Worcester, Mass.
Jewell Belting Co., Hartford, Conn.
Ladew E. R. Co. ("Hoyt's"), 29 Murray, New York
Lawrence Belting Co., 111 Chambers, New York
Masland Duraleather Co. (The), Amber & Westmoreland, Phila., Pa.
See adv index at end of book
New York Leather Belting Co. ("Victor"), 33 Warren, New York
Nott W. S. Co. ("Diamond"), 2d av N & 3d, Minneapolis, Minn.
Oleum Products Co., 1129 Capouse av, Scranton, Pa.
Pacific Asbestos & Supply Co. ("Pasco"), 315 Front, Portland, Ore.
Pacific Mill & Mine Supply Co. ("Valqua"), 616 Mission, San Francisco, Cal.
Page Belting Co., Concord, N. H.
Raniville F. Co. ("Raniville Watertide," "Star Brand," "Raniville's Leather-to-Metal"), Grand Rapids, Mich.
Reed & Duecker ("R. & D.," "Hippo"), 171 N Main, Memphis, Tenn.
Rhoads J. E. & Sons ("Klingfast"), 57 N 2nd, Phila., Pa.
Russia Cement Co. ("Le Page's"), Gloucester, Mass.
St. Louis Rubber Cement Co., 3046 Lambdin av, St. Louis, Mo.
Schieren Chas. A. Co., 30 Ferry, New York
Shultz Belting Co. ("Shultz"), Fourth & Barton, St. Louis, Mo.
Trinidad Asphalt Mfg. Co., Title Guaranty Trust bldg, St. Louis, Mo.
Ulmer Leather Co., Norwich, Conn.
Williams I. B. & Sons ("Cocheco"), Dover, N. H.

2244—Cements (Billiard Cue)

Ambroid Company, 227 Miller av, Brooklyn, N. Y.
Elwell B. F. Glue Co., Rockport, Mass.
Major Mfg. Co., 461 Pearl, New York
Spinks Wm. A. & Co., 362 W Erie, Chicago, Ill.

2245— Cements (Caen Stone)

Cleveland Builders Supply Co. (Excelsior), Leader News bldg, Cleveland, Ohio
Framerican Industrial Development Co. (Imp.), 21 E 40th, New York
Houston Bros. Co., Chamber of Commerce bldg, Pittsburgh, Pa.
Revis Wm. H., Inc., (Imp.), 140 W 42d, New York

2246— Cements (Chrome)

Lavino E. J. & Co., Bullitt bldg., Phila., Pa.
Stowe-Fuller Refractories Co. (The), Union Trust bldg, Cleveland, O.

Cements (Cast Steel Filler)

See Cements, Iron & Steel Filler

2247— Cements (Elastic)

Armstrong Co. (Oil Roofing), 226 Post av, Detroit, Mich.
Barrett Co., 17 Battery pl, New York
Clark Cast Steel Cement Co. ("Clark"), Shelton, Conn.
Clinton Metallic Paint Co. ("Clinton"), Dept. H, Clinton, N. Y.
Colebrook's W. H. Sons ("Crown"), Syracuse, N. Y.
Connors Wm. Paint Mfg. Co. (Oil Roofing), Troy, N. Y.
Doggett Stanley, 11 Cliff, New York
Federal Process Co. ("Federal"), Cleveland, O.
Goetze Gasket & Packing Co. ("Goetze"), New Brunswick, N. J.
Minwax Co. ("Minwax"), 18 E 41st, New York
Pecora Paint Co. ("Weathertite"), 4th & Sedgley av, Philadelphia, Pa.
Rutland Fire Clay Co. ("Rutland"), Rutland, Vt.
Smooth-On Mfg. Co. ("Smooth-On"), 572 Communipaw av, Jersey City, N. J.
Tucker Mfg. Co., 17 E 137th, New York
U. S. Gutta Percha Paint Co. (For Chimneys, Roofs, etc.), 12-30 Dudley, Providence, R. I.
Webster W. F. Cement Co., Cambridge, Mass.
Wilhelm A. Co. (Aluminum), Reading, Pa.
Wohlberg Richard, Boone & 173rd, New York

2248—Cements (Fire Resisting)

Armstrong Co., 226 Post av, Detroit, Mich.
Bour L. J. Refractories Co., Scranton, Pa.
BUCKEYE PRODUCTS CO., INC. ("Buckeye"), 915-917 W. 5th, Cincinnati, O.
See adv index at end of book
Carborundum Co., Niagara Falls, N. Y.
Clinton Metallic Paint Co. ("Clinton"), Dept. H, Clinton, N. Y.
Colonial Supply Co., 217 Water, Pittsburgh, Pa.
See adv index at end of book
Eckhard & Co., 2606 Elliot, St. Louis, Mo.
Gillen-Cole Co. ("Calorabestos"), 60 N Front, Portland, Ore.
Gravert Wm. J., Inc., 246 Jackson ave, Long Island City, N. Y.
Hoffman Chas. V. Co. Inc. ("Al Sio"), 235 W 42nd, New York
Howard Co. ("B," "C"), New Haven, Conn.
Keystone Refractories Co. Inc. ("Crundumsand"), 120 Liberty, New York
Livermore Fire Brick Wks., 604 Mission, San Francisco, Cal.
MAURER HENRY & SON, 420 E. 23rd, New York *See adv index at end of book*
National Sales Co. (Imp.), 31 E 13th, Cincinnati, Ohio
Norton Co., Barbers Crossing, Worcester, Mass.
Pacific Asbestos & Supply Co. ("Pasco"), 315 Front, Portland, Ore.
Palin & Son, 2101 Edison av, Tacoma, Wash.
QUIGLEY FURNACE SPECIALTIES CO., 26 Cortlandt, New York
See adv index at end of book
Refractory Products Corp., 25 Church, New York
Ross W. A. & Bro. (Imp. "Puriwachos"), 11 S William, New York
U. S. Gypsum Co., 205 W Monroe, Chicago, Ill.
Vitrefrax Co. Inc. ("Vitrefrax"), 51st & Pacific blvd, Los Angeles, Cal.
Wayte W. J. Inc. (Imp.), 5844 Grand Central Terminal, New York

2249—Cements (Furnace & Stove)

See Cements, Asbestos; also Cements, Elastic; also Putty Manufacturers, Stovemakers'
Armstrong Co. ("Tharco" Asbestos), 226H Post av, Detroit, Mich.
Buckeye Products Co., Inc. ("Buckeye" Furnace Only), 915-917 W 5th, Cincinnati, Ohio *See adv index at end of book*
Cambria Paint & Color Co. (Ltd.) ("Hercules"), Johnstown, Pa.
Carey Philip Mfg. Co. (Asbestos), 330 Wayne av, Lockland, Cincinnati, O.
Celite Products Co. (Insulating Boiler Cements), 53 W Jackson blvd, Chicago, Ill.
Clinton Metallic Paint Co. ("Clinton") Dept. H, Clinton, N. Y.
Colebrook's W. H. Sons ("Crown" Astos), Syracuse, N. Y.
Colonial Supply Co., 217 Water, Pittsburgh, Pa.
See adv index at end of book
Connors Wm. Paint Mfg. Co. ("American Seal Asbestos"), Troy, N. Y.
Dixon Joseph Crucible Co. (For Repairing Stove & Range Linings), Jersey City, N. J.
Gillen-Cole Co. ("Calorabestos"), 60 N Front, Portland, Ore.
Gravert Wm. J., Inc., 246 Jackson av, Long Island City, N. Y.
Hill & Griffith Co., 1248 State av, Cincinnati, O.
See adv index at end of book

(Continued on following page)

Cheney & Company, Inc.

110 West 40th St., New York City

Fibercote Stucco
Weatherproof — Crackproof
Fireproof
Positive protection against time, elements and varying temperatures guaranteed

Kompokore Magnesia Cements
Materials for moulding substitutes of definite specifications

Troegerlith Floors
Dustless — Sanitary — Resilient

Noiseless, Fireproof, Permanent, Durable

Cements (Furnace & Stove)—Continued

Hoffman Chas. V. Co., Inc. ("Al Sio" Furnace), 235 W 42nd, New York
Howard Co., New Haven, Conn.
Johns-Manville Inc., Madison av & 41st, New York
National Sales Co., 31 E 13th, Cincinnati, Ohio
Obermayer S. Co. ("Ramite" High Temperature), 2563 W 18th, Chicago, Ill.
Otley Paint Mfg. Co. ("Eureka" for Jointing), 1742 N Winchester av, Chicago, Ill.
Palin & Son, 2101 Edison av, Tacoma, Wash.
Pecora Paint Co. (Asbestos), 4th & Sedgley av, Philadelphia, Pa.
QUIGLEY FURNACE SPECIALTIES CO. ("Hytempite" for Furnaces), 26 Cortlandt, New York
See adv index at end of book
Rutland Fire Clay Co. ("Rutland"), Rutland, Vt.
Tucker Mfg. Co., 17 E 137th, New York
Wainwright Jno. C. A. (Dry), Spring City, Pa.
Watson H. F. Co., Erie, Pa.
Wilhelm A. Co., Reading, Pa.
Williams Stove Lining Co. (Asbestos), Taunton, Mass.

2249a— Cements (Gasket)

Boyer Chemical Laboratory Co., 940H N Clark, Chicago, Ill.
Ferdinand L. W. & Co. ("20th Century"), 154 Kneeland, Boston, Mass.
Perma-Loc Mfg. Co., Dept. H, Wilkes-Barre, Pa.
Permatex Co. Inc. ("Permatex"), Sheepshead Bay, N. Y.
Van Cleef Bros., 7722H Woodlawn av, Chicago, Ill.
Woodtite Laboratories, Modesto, Cal.

2250—Cements (High Temperature)

Abbott-Converse Co. ("A-C"), P. O. Box 1740H, Houston, Texas
Armstrong Co., 226 Post av, Detroit, Mich.
Buckeye Products Co. Inc. ("Buckeye"), 915-917 W 5th, Cincinati, Ohio
See adv index at end of book
Carey Philip Co. (For Furnace Linings & Setting Up Brick Work), 330H Wayne av, Lockland, Cincinnati, Ohio
Clinton Metallic Paint Co. ("Clinton"), Dept. H, Clinton, N. Y.
Colonial Supply Co., 217 Water, Pittsburgh, Pa.
Gillen-Cole Co. ("Calorabestos"), 60 N Front, Portland, Ore.
Harbison-Walker Refractories Co. ("Thermolith" & "Firebond"), Farmers Bank bldg, Pittsburgh, Pa.
Hoffman Chas. V. Co. Inc., 235 W 42nd, New York
McLEOD & HENRY CO., 360 1st, Troy, N. Y.
Mushet W. E. Co., 700 2d, San Francisco, Cal.
Palin & Son ("Palin Brick Bond"), 2101 Edison av, Tacoma, Wash.
Pitts & Kitts Mfg. & Supply Co., 342 Madison av, New York
QUIGLEY FURNACE SPECIALTIES CO., 26 Cortlandt, New York
See adv index at end of book
Scientific Laboratories Co., 2535 B'way, Cleveland, O.
Springfield Facing Co. (Jobbers), 315 Main, Springfield, Mass.
See adv index at end of book
Vitrefrax Co. Inc., 51st & Pacific blvd, Los Angeles, Cal.

Cements (Hydraulic)

See firms marked with a (*) under head of Cement Manufacturers

2250a— Cements (Insulating)

Albion Mfg. Co., 709 1st av, Seattle, Wash.
Armstrong Cork & Insulation Co., 34th & A. V. R. R., Pittsburgh, Pa.
BAKELITE CORP. (For Bonding, Metal, Porcelain, Wood, etc.), 247 Park av, New York
See adv index at end of book
Celite Products Co., 53 W Jackson blvd, Chicago, Ill.
Davis Bros., Inc., 79 Cortlandt, New York
Dominion Asbestos & Rubber Corp., 154 Nassau, New York.
See adv index at end of book
Johns-Manville Inc., Madison av & 41st, New York
QUIGLEY FURNACE SPECIALTIES CO., 26 Cortlandt, New York
See adv index at end of book

2251—Cements (Iron & Steel Filler)

Baizley John Iron Works ("Three Horses" Iron Cement), 514 S Delaware av, Phila., Pa.
Clark Cast Steel Cement Co. ("Clark" Cast Steel for Blow Holes, etc.), Shelton, Conn.
Doggett Stanley ("Fill-It"), 11 Cliff, New York.
Federal Foundry Supply Co., 2639 E 79th, Cleveland, O.
Felton, Sibley & Co., 136 N 4th, Philadelphia, Pa.
Hill & Griffith Co., 1248 State av, Cincinnati, O. *See adv index at end of book*
Johns-Manville Inc. ("Ferro"), Madison av & 41st, New York
Lawrence W. W. & Co. ("Lawrence" Iron Filler), Pittsburgh, Pa.
Midvale Mining & Mfg. Co., Central National Bank bldg, St. Louis, Mo.
Northwestern Chemical Co. ("Norwesco"), Marietta, Ohio
Obermayer S. Co., 2563 W 18th, Chicago, Ill.
Otley Paint Mfg. Co. ("Eureka" Cast Iron Filler), 1742 N Winchester av, Chicago, Ill.
Pecora Paint Co., 4th & Sedgley av, Philadelphia, Pa.
Pittsburgh Crushed Steel Co. ("Marvelous"), Dept. H, 61st & A. V. R. R., Pittsburgh, Pa.
Ryerson Jos. T. & Son, Inc., 2558 W. 16th, Chicago, Ill. *See adv index at end of book*
Shanafelt Mfg. Co. ("X-Cel-All"), Canton, O.
Smooth-On Mfg. Co. ("Smooth-On"), 572 Communipaw av, Jersey City, N. J.
Turner J. S. Mfg. Co. ("Hold Tight"), Lowell, Mass.
U. S. Gutta Percha Paint Co. ("Rice's" Adamant for Blowholes in Castings, Leaks in Boilers, Piping, etc), 12-30 Dudley, Providence, R. I.
Wilhelm A. Co. ("Stick-to"). Reading, Pa.
Williams Mfg. Co. (Iron), Camden, N. J.

2252—Cements (Keene's American)

Acme Cement Plaster Co. ("Acme"), Frisco bldg, St. Louis, Mo.
Best Brothers Keene's Cement Co., Medicine Lodge, Kansas
United States Gypsum Co. ("Ivory"), 205 W Monroe, Chicago, Ill.

2253—Cements (Keene's Imported)

Balfour Guthrie & Co., Balfour bldg, San Francisco, Cal.
Miller Clifford L. & Co. ("Victoria"), 280 Madison av, New York
Revis Wm. H., Inc., 140 W 42d, New York
Taintor Trading Co., Inc., 21 State, New York
See adv index at end of book

Taintor Trading Company, Inc.
21 State Street, New York
Agents for McLean, Levett & Co.'s
"Coronet" Brand English Keene's
Cement and Parian Cement
Ideal for Artificial Marble Workers, also for wall finish for Bathrooms, Lavatories, etc.
Quotations furnished on request

2253a— Cements (Lamp)

Dixon Joseph Crucible Co., Jersey City, N. J.

2254— Cement (Leather)

Ambroid Company, 227 Miller av, B'klyn, N. Y.
Chicago Rawhide Mfg. Co. (The), 1307 Elston av., Chicago, Ill.
See adv index at end of book
Major Mfg. Co., 46 Pearl, New York
Wohlberg Richard, Boone av & 173rd, New York

2255— Cements (Linoleum)

Atlas Supply Co., 4537 High, Phila., Pa.
Ferdinand L. W. & Co. ("20th Century"), 154 Kneeland, Boston, Mass.
See adv index at end of book

LINOLEUM CEMENT.
L. W. Ferdinand & Co., 154 Kneeland St., Boston, Mass., U. S. A.—Twentieth Century Linoleum Glue-Cement for attaching linoleum to floors. Use Grade A for attaching any kind of floor covering to any kind of floor. Send for booklet, "Linoleum: How to Lay It and How to Care For It."

Pulsifer, Kingston Co. ("Linogrip"), 19 Stuart, Boston, Mass.
Wild Joseph & Co., 230 5th av, New York

2256—Cements (Locomotive and Boiler Front

Bird-Archer Co., 33 Rector, New York
Forster Paint & Mfg. Co., Winona, Minn.
Franklin Mfg. Co. ("Franklin"), Franklin, Pa.
Frazer Paint Co. ("Frazer's" Non-Corrosive), Hubbard & M. C. R. R., Detroit, Mich.
Otley Paint Mfg. Co. ("Eureka" Joint), 1742 N Winchester av, Chicago, Ill.
Ryerson Jos. T. & Son Inc., 2558 W 16th, Chicago, Ill.
See adv index at end of book
Smooth-On Mfg. Co. ("Smooth-On"), 572 Communipaw av, Jersey City, N. J.
Wheeler Asahel Co. ("A-W" Steam Joint), 58 High, Boston, Mass.

2257— *Cements (Magnesite)

CHENEY & CO., INC. ("Kompokore"), 110 W 40th, New York
See adv index at end of book

2258—Cements (Non-Staining, Portland)

Atlas Portland Cement Co. ("Atlas-White"), 25 B'way, New York
Sandusky Cement Co. ("Medusa Brand"), Sandusky, O.

2259— Cements (Paving)

Barrett Co. (Coal Tar), 17 Battery pl, New York
Byerly & Sons ("Byerlyte"), 2489 W 4th, Cleveland, O.
Texas Company (The), Dept. D, 17 Battery pl, New York
See adv index at end of book
Warren Chemical Division, The Barrett Co., 17 Battery pl, New York

2260-1— Cements (Pipe Joint)

See also Compounds, Pipe Joints

Arco Co., Euclid av & E 65th, Cleveland, O.
Atlas Paint Co., Sharpsburg, Pa.
Arlington Mfg. Co., Canton, O.
Barber Asphalt Co. ("Genasco"), Land Title bldg, Phila., Pa.
Bostwick J. R. & H. J. ("Anti-Leak"), Clifton Springs, N. Y.

Buffalo Specialty Co., 375 Ellicott, Buffalo, N. Y.
Callahan Geo. & Co. ("Old Reliable"), 218 Front, New York
Chamberlain & Johnson, 1238 Voskamp, Pittsburgh, Pa.
Clark Cast Steel Cement Co. ("Clark" Cast Steel), Shelton, Conn.
Continental Products Co., Quebec av, Cleveland, O.
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Crookston Wm. H. & Bro., 2449 3d av, New York
Desper H. A. ("Bo-Wac" & "Baisago"), 40 Shelby, Worcester, Mass.
Dicks-Pontius Co., Dayton, O.
Dixon Joseph Crucible Co. (Plumbers, Steamfitters, etc.), Jersey City, N. J.
Doggett Stanley ("Fill-It"), 11 Cliff, New York
Eagle Paint & Varnish Co. ("Red Rustless Cement," Graphite Cement), 225 Galveston, Pittsburgh, Pa.
Federal Process Co. ("Federal Gasoila") Cleveland, O.
Frazer Paint Co. ("Frazer's" Non-Corrosive Pipe Joint Paste), Hubbard & M. C. R. R., Detroit, Mich.
Gloria Mfg. & Supply Co., 261 W 118th, New York
Goetze Gasket & Packing Co., 3 Allen av, New Brunswick, N. J.
See adv index at end of book
Hetzel J. G. (Est. of), 67 Main, Newark, N. J.
Hinds & Coon ("Coon"), 45 Purchase, Boston, Mass.
Johns-Manville Inc. ("H-O"), Madison av & 41st, New York
Marbleoid Co. ("Jointite"), 461 8th av, New York
Modern Iron Works ("Economy"), Quincy, Ill.
Otley Paint Mfg. Co. ("Eureka" Steam Joint, etc), 1742 N Winchester av, Chicago, Ill.
Pacific Flush Tank Co. ("Jointite"), 4241 Ravenswood av, Chicago, Ill.
Prier Brass Mfg. Co. ("National"), 15th & Blue River, Kansas City, Mo.
Rutland Fire Clay Co. ("Rutland"), Rutland, Vt.
Smooth-On Mfg. Co. ("Smooth-On"), 572 Communipaw av, Jersey City, N. J.
Starbuck R. M. & Sons ("Securo"), Hartford, Conn.
Stearns F. M. & Co. ("Elasko"), Jamestown, N. Y.
Thread-Light Company, 288 Bowery, New York
United States Graphite Co. (Mexican Graphite), Saginaw, Mich.
Wheeler Asahel Co. ("A-W" for Steam), 58 High, Boston, Mass.
Whitlam J. C. Mfg. Co. ("Tyte-Unyte"), Wadsworth, O.
Wilhelm A. Co., Reading, Pa.
Wolverine Brass Works, Grand Rapids, Mich.

Cements (Plumbers')

See also Cements, Pipe Joint

Cements (Portland)

See Cement Manufacturers
(Observe note immediately under the heading relating to Portland Cement & Hydraulic Cement)

Cements (Refractory)

See Cements, Fire Resisting

2262— Cements (Retort)

Armstrong Co. ("Tharco" Asbestos), 226 Post av, Detroit, Mich.
Clinton Metallic Paint Co. ("Clinton"), Dept. H, Clinton, N. Y.
Colebrook's W. H. Sons ("Crown," Asbestos), Syracuse, N. Y.
Franklin Mfg. Co. ("Franklin"), Franklin, Pa.
Gillen-Cole Co. ("Calorabestos"), 60 N Front, Portland, Ore.
National Sales Co. (Imp.), 31 E 13th, Cincinnati, O.
Pacific Asbestos Supply Co. ("Webfoot"), 315 Front, Portland, Ore.
Pecora Paint Co., 4th & Sedgley av, Philadelphia, Pa.
Quigley Furnace Specialties Co., 26 Cortlandt, New York
See adv index at end of book
Rutland Fire Clay Co. ("Rutland"), Rutland, Vt.

2263— Cements (Rivet)

Otley Paint Mfg. Co. ("Eureka"), 1742 N Winchester av, Chicago, Ill.
Pecora Paint Co. (Marine), 4th & Sedgley av, Philadelphia, Pa.
Smooth-On Mfg. Co. ("Smooth-On"), 572 Communipaw av, Jersey City, N. J.
U. S. Gutta Percha Paint Co. ("Rice's," for Hulls of Iron or Steel Vessels), 12-30 Dudley, Providence, R. I.

2264— Cements (Roofing)

See also Cements, Asbestos

Albion Mfg. Co., 709 1st av, Seattle, Wash.
Alcatraz Co., Inc. ("Blackat" & Semi-Plastic), 3200 Williamsburgh av, Richmond, Va.
American Insulation Co. Nicetown, Phila., Pa.
See adv index at end of book
American Tar Products Co., 208 S La Salle, Chicago, Ill.
Am. Wood Preserving Co., 3743 N Marshfield, Chicago, Ill.
Antakwa Co. ("Proof Tight" Plastic), 1329 Mohawk, Chicago, Ill.
Arlington Mfg. Co., Canton, O.
Armstrong Co. ("Tharco" Elastic), 226H Post av, Detroit, Mich.
Asbestos Products Co. ("Triangle Brand") E 1202 Sprague, Spokane, Wash.
Atlas Paint Co., Sharpsburg, Pa.
Barber Asphalt Paving Co. ("Trinidad" Lake Asphalt), Land Title bldg, Phila., Pa.
Barrett Co., 17 Battery pl, New York
Bostwick J. R. & H. J. ("Root & Barron" Clastic), Clifton Springs, N. Y.
Byerly & Sons ("Byerlyte"), 2489 W 4th, Cleveland, O.
Callahan Geo. & Co., 218 Front, New York
Carey Philip Mfg. Co. ("Carey"), 330 Wayne av, Lockland, Cincinnati, O.
Certain-teed Products Corp. (Asphalt), Boatman's Bank bldg, St. Louis, Mo.
Cleveland-Akron Bag Co., 1890 E 40th, Cleveland, O.
Clinton Metallic Paint Co. ("Clinton"), Dept. H, Clinton, N. Y.
Coal Tar Product Co. ("Stag" Brand), 570 Smith, Brooklyn, N. Y.
Colebrook's W. H. Sons ("Crown" Elastic), Syracuse, N. Y.
Connors Wm. Paint Mfg. Co. ("American Seal" Elastic Oil), Troy, N. Y.
Continental Products Co. (Liquid & Plastic), Quebec av, Cleveland, O.
Doggett Stanley, 11 Cliff, New York
Eagle Paint & Varnish Co. ("M. B. C."), 225 Galveston, Pittsburgh, Pa.
Ehret Magnesia Mfg. Co., Valley Forge, Pa.
Ehret Roofing & Mfg. Co. ("Ehrolastic"), Park av & Cumberland, Phila., Pa.
Federal Process Co. ("Federal" Elastic), Cleveland, O.
French Samuel H. & Co., 4th & Callowhill, Phila., Pa.
Gibson-Homans Co., 2366 Woodhill rd, Cleveland, O.
Glidden Co. (Liquid), Madison av & Berea rd., Cleveland, O.
Globe Iron Roofing & Corrugating Co., Dept. H, Newport, Ky.
Glokner & Blue Co. ("Tar Tite"), 2472 3rd av, New York
Grote Geo. W. & Co., 430 E 102nd, New York
Hascall Paint Co. ("Thermalite Plastic Roofing"), W 70th, Cleveland, O.
Heppes Roofing Division, The Richardson Co. ("Flex-A-Tile"), Lockland, Ohio
Hetzel J. G. (Est. of), 67 Main, Newark, N. J.
Johns-Manville Inc., Madison av & 41st, New York
Jones Paint Co. ("Stopleak" & "Liquid Stopleak"), Rome, N. Y.
Klein Mfg. Co. ("Graphilatum"), American Trust bldg, Cleveland, O.
Lehon Co. ("Mule-Hide"), 4451 S Oakley av, Chicago, Ill.
See adv index at end of book
Lucas John & Co., 322 Race, Phila., Pa.
Mackin J. A. Co., 77 King av, Columbus, Ohio
Maire Paint Co. (Maire's Roof Cement), 329 Boston block, Minneapolis, Minn.
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
Monarch Paint Co. ("Seal-tite Plastic Roofing"), W 70th, Cleveland, O.
National Roofing Co., Tonawanda, N. Y.
Ohmlac Mfg. Co., 140 S Dearborn, Chicago, Ill.
Pecora Paint Co., 4th & Sedgeley av, Philadelphia, Pa.
Richmond Bros., 616 Main, Cincinnati, O.
Ruberoid Co., The ("Ruberoid"), 95 Madison, New York
See adv index at end of book

RU-BER-OID
Roofing Cements
Ruberoid Roof-coating
A liquid preservative coating for composition and metal roofs.
Ruberoid Liquid Fibre-cement
For renewing the surface coating of badly worn roofs.
The RUBEROID Co.
95 Madison Avenue New York

Rutland Fire Clay Co. ("Rutland"), Rutland, Vt.
Sero Specialty Co., 2360 E 84th, Cleveland, O.
Standard Paint & Lead Works, Cleveland, O.
Stone Tar Products Co., 97 S 6th, Brooklyn, N. Y.
Super-Test Products Co. ("Super-Test"), 2416 E 14th, Los Angeles, Cal.
Texas Company (The), Dept. D, 17 Battery pl, New York
See adv index at end of book
Thompson & Co. ("Waterseal"), 857 W North av, N. S., Pittsburgh, Pa.
Trinidad Asphalt Mfg. Co. ("Epure" Trinidad Asphalt), Title Guaranty Trust bldg, St. Louis, Mo.
Tucker Mfg. Co., 17 E 137th, New York
U. S. Gutta Percha Paint Co., 12-30 Dudley, Providence, R. I.
Walters Mfg. Co., Fulton bldg, Pittsburgh, Pa.
Warren Chemical Division, The Barrett Co., 17 Battery pl, New York
Watson H. F. Co., Erie, Pa.
Webster William F. Cement Co., Cambridge, Mass.
Western Elaterite Roofing Co. ("Elaterite"), Equitable bldg, Denver Colo.
Wilhelm A. Co. ("Royal"), Reading, Pa.
Woolsey C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.

2265— Cements (Rubber)

See also Cements, Tire

Angelus Heel & Rubber Co. ("Angelus"), 1417 N Main, Los Angeles, Cal.
Braintree Rubber Cement Co., S. Braintree, Mass.
Cigol-Behrens Rubber Co., Lodi, N. J.
Durkee-Atwood Co. ("Rie Nie"), 40 Wilder, Minneapolis, Minn.
Empire Tire & Rubber Corp., Trenton, N. J.
Essex Rubber Co., Trenton, N. J.
Faultless Rubber Co., Ashland, O.
Goodrich B. F. Rubber Co., Akron, O.
Goodyear Tire & Rubber Co., Akron, O.
Keystone Rubber Mfg. Co., Erie, Pa.
Major Mfg. Co., 461 Pearl, New York
Manhattan Rubber Mfg. Co., Passaic, N. J.
Michelin Tire Co., Milltown, N. J.
Miller Rubber Co., Akron, O.
Mulconroy Co., 54th & Jefferson, Phila., Pa.
National India Rubber Co., Bristol, R. I.
National Rubber & Specialties Co. ("Red Cross," "Anchor" Auto Tire), Winton pl, Cincinnati, O.
N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
N. Y. Belting & Packing Co., 91 Chambers, New York
Peerless Rubber Mfg. Co., 31 Warren, New York
Pennsylvania Rubber Co., Jeannette, Pa.
Polson W. J. Co. ("W. J. Polson's"), 18th & Indian av, Kansas City, Mo.
St. Louis Rubber Cement Co. ("Bestyet" Liquid & Hard "Standard"), 3046 Lambdin av, St. Louis, Mo.
Scituate Mills, Greenbush, Mass.
U. S. RUBBER CO., 1790 Broadway, New York *See adv index at end of book*
Van Cleef Bros., 7711 Woodlawn av, Chicago, Ill.
Wood Geo. H. Corp., 146 Summer, Boston, Mass.

Cements (Stainless Portland)

See Cements, Non-Staining, Portland

2266—Cements (Stone & Emery)

Badger Tool Co. ("Badger" Disc. Wheel), Beloit, Wis.
Pittsburgh Crushed Steel Co. ("Marvelous"), Dept. H, 61st & A. V. R. R., Pittsburgh, Pa.

Cements (Stove)

See Cements, Furnace & Stove; also Putty Manufacturers, Stovemakers'

2267— Cements (Tire)

See also Cements, Rubber

Firestone Tire & Rubber Co. ("Firestone"), Akron, O.
Fisk Rubber Co., Chicopee Falls, Mass.
Goodrich B. F. Co. ("Goodrich"), Akron, O.
Goodyear Tire & Rubber Co., Inc. ("Good Year"), 1144 E Market, Akron, Ohio
Hartford Rubber Works Co., Hartford, Conn.
Michelin Tire Co. ("Mastic"), Milltown, N. J.
Tingley Chas. O. & Co., Rahway, N. J.

2267a— Cements (Tree)

Protexol Corp., 41 Barclay, New York
See adv index at end of book

2267b—Cements (Waterproofing)

Ruberoid Co., The, 95 Madison av, New York
See adv index at end of book

RU-BER-OID

Waterproofing Cements

Ruberoid Liquid Fibre-cement
A Liquid Cement for prolonging the service of old, leaky roofs. Equally effective on tin, wood, composition, gravel, iron, felt or concrete roofs.

Ruberoid Plastic
A heavy, pliable cement for stopping breaks and holes in all kinds of roofings, gutters, flashings and around chimneys. Trowelling consistency.

Ruberoid Solid-cement
To be melted for built-up roofing and heavy waterproofing work.

The RUBEROID Co.
95 Madison Avenue New York

2268—Cements (White, for Mortar)

Higginson Mfg. Co. ("Higginson," for Plastering & Finishing Walls), Newburgh, N. Y.

2269—Cements (White Portland)

See also Cement Manufacturers: also Cements, Stainless Portland

Atlas Portland Cement Co. ("Atlas-White" Non-Staining), 25 B'way, New York
Sandusky Cement Co. ("Medusa"), Engineers bldg, Cleveland, O.
Western Paint Co. ("Asbestolite"), 513 N 29th, Portland, Ore.

2270—Cemetery Care Stakes & Markers

Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Quadriga Mfg. Co. (Bronze), 213 W Grand av, Chicago, Ill.
See adv index at end of book

2271— Cemetery Railings

Anchor Post Iron Works, 50 Church, New York *See adv index at end of book*
Barnum E. T. Wire & Iron Wks., 501-23 Cass av, Detroit, Mich.
Cabaret Paul E. & Co., 412 E. 125th, New York
Cincinnati Iron Fence Co., 3312 Spring Grove av, Cincinnati, Ohio.
See adv index at end of book
Dufur & Co., 311 N Howard, Baltimore, Md.
Enterprise Iron Works, Indianapolis, Ind.
Gorham Co. Arch'l Bronze, 5th av & 36th, New York. Works: Providence, R. I.
Manhattan Brass Co., 332 E 28th, New York
Meyers Fred. J. Mfg. Co., Hamilton, O.
Newman Mfg. Co., 420 Elm, Cincinnati, O.
Smith F. P. Wire & Iron Works, 2350-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Stewart Iron Works Co. Inc., 238 Stewart blk., Cincinnati, O.
See adv index at end of book
Wrobbel-Maine Co., The, 3106 E 63rd, Cleveland, Ohio

2272— Centering (Steel)

Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
Blaw Steel Construction Co. (Collapsible), Hoboken, Pa.
Collapsible Joist Form Co., Finance bldg, Kansas City, Mo.
Concrete Steel Co., 42 Broadway, New York
Deslauriers Column Mould Co. (Corrugated for Floor Slabs of Reinforced Concrete), 311 Chestnut, St. Paul, Minn.
Hartford Const. Iron Works, 409 Front, Hartford, Conn.
Heltzel Steel Form & Iron Co. (The), Warren, Ohio
See adv index at end of book
Illinois Concrete Machine Co., Buda, Ill.
Jones W. B. Boiler Co., Streator, Ill.
Minneapolis Steel & Machy. Co., 2854 Minnehaha, Minneapolis, Minn.
Northwestern Steel & Iron Works (Sewer & Culvert Forms), Eau Claire, Wis.
Ransome Concrete Machinery Co., Dunellen, N. J.
Smith David H. & Sons, Foot of 51st, Brooklyn, N. Y.
See adv index at end of book

2273— Centers (Bench)

Brown & Sharpe Mfg. Co., Providence, R. I.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
Ready Tool Co. ("Red E"), Bridgeport, Conn.

2274— Centers (Car Wheel)

Commonwealth Steel Co. (Open Hearth Locomotive Driving Wheel Centres), Pierce bldg, St. Louis, Mo.
Edgewater Steel Co. (Driving), Edgewater Station & A. V. R. R., Pittsburgh, Pa.
Pittsburgh Steel Foundry Co. (Open Hearth Steel Locomotive Wheel Center & Frames), 1115H Empire bldg, Pittsburgh, Pa.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Standard Steel Works Co., Morris bldg, Philadelphia, Pa.
Taylor Electric Truck Co. ("Taylor" Malleable), Troy, N. Y.
Union Steel Casting Co. (Locomotive Driving Wheel Centers & Frames), Pittsburgh, Pa.
Western Steel Car & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.

2275— Centers (Cross Strap)

Searls Mfg. Co., 29 Mulberry, Newark, N. J.

2276— Centers (Index)

Brown & Sharpe Mfg. Co., Providence, R. I.
Carter & Hakes Machine Co. (Plain & Half Universal), Winsted, Conn.
Cincinnati Milling Machine Co., Cincinnati, Ohio
Dickow Fred. C. ("Universal" "Dickow's"), 2105 W Lake, Chicago, Ill.
Garvin Machine Co., 147 Varick, New York
Kempsmith Mfg. Co., West Allis, Wis.
Knight W. B. Machinery Co., 3920H W Pine blvd, St. Louis, Mo.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Simmons Machine Co., Inc., ("Universal" with Spiral Cutting Attachment), 987 Broadway, Albany, N. Y.
Stockbridge Machine Co., 68 Abbott, Worcester, Mass.

2277— Centers (Lathe)

Collis Co., Clinton, Iowa
Moller Machine Co., New Rochelle, N. Y.
Morse Twist Drill & Machine Co. ("Morse"), Dept. H, New Bedford, Mass.
Ready Tool Co. ("Red E"), Bridgeport, Conn.
Stark Tool Co., Waltham, Mass.

Centers (Locomotive Driving Wheel)

See Centers, Car Wheel

2278— Centers (Neck Yoke)

Adams E. B. & Son ("Adams" "Safety"), Racine, Wis.
Covert Saddlery Works, Interlaken, N. Y.
Imperial Bit & Snap Co., Racine, Wis.
Pioneer Pole & Shaft Co. ("Acme"), Piqua, O.
Racine General Mfg. Co. ("Honest John"), (Jobbers), Racine, Wis.
Studebaker Corp., South Bend, Ind.
Walton Neckyoke Centre Co., Gallatin, Mo.

2279— Centers (Planer)

Cincinnati Planer Co., 3120 South, Oakley, Cincinnati, Ohio
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
Woodward & Powell Planer Co., Worcester, Mass.

2280—Centers (Sash & Transom)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Auer John Jr. (Wrought Iron), 197 Middleton, Brooklyn, N. Y.
Corbin P. & F., New Britain, Conn.
Detroit Works, 238 E. Larned, Detroit, Mich.
Michigan Engine Valve Co. ("Howarth Reversible"), 437 W Columbia, Detroit, Mich.
Norwalk Lock Co., South Norwalk, Conn.
Payson Mfg. Co. (Sash), 2918 W Jackson blvd, Chicago, Ill.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., Water & Wallace, New Haven, Conn.
Wrightsville Hardware Co., Wrightsville, Pa.

2281— Centers (Shaper)

Fay & Scott, Dexter, Me.
Hendey Machine Co. ("Hendey" for Shapers), Torrington, Conn.

2281a—Central Proportioning Plants

BLAW-KNOX CO. (Steel Bins & Batcher for the quick and accurate measurement of sand and stone—one man operation), 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book

BLAW-KNOX CO.
681 Farmers Bank Building
PITTSBURGH, PA.
Manufacturers of
Central Proportioning Plants

2282— Centrifugals

See also Hydro-Extractors

(Names with * also manufacture in Monel Metal)

*American Laundry Machinery Co. (Liners, Drums, Castings, Shaft), Cincinnati, O.
American Tool & Machine Co. ("Weston," Belt Driven, Patent Water Driven & Patent Direct Connected Electrically Driven for Sugar & Chemicals, also for Laboratory or Experimental Use), 10 High, Boston, Mass.
*Beckley Perforating Co., Garwood, N. J.
Braun Electric Mfg. Co. ("Braun"), Canal Dover, O.
*Cleveland Wire Cloth Co., Cleveland, O.
*Cresson & Morris Co. (Liners), Phila., Pa.
*D'Olier Centrifugal Pump & Machine Co., 165 Broadway, New York
East Jersey Pipe Co. ("Hercules-Electric" Chemical), Dept. H, Paterson, N. J.
Fletcher Works (Laboratory, Textiles, Chemicals, Sugar), Glenwood av & 2d, Phila., Pa.
*Haring & Stephens, Paterson, N. J.
*Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
International Equipment Co., 352 Western av, Boston, Mass.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall st, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp., C. O., Southport, Conn.
Lancaster Iron Works, Lancaster, Pa.
*Magosy & Buscher, 232 Canal, New York
*Munning & Co., A. P., Matawan, N. J.
Pusey & Jones Co. (For Sugar, etc.), Dept. H, Poplar & Front, Wilmington, Del.
*Sharples Specialty Co., Philadelphia, Pa.
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co., John P., New Haven, Conn.
Squier Geo. L. Mfg. Co. ("Buffalo" Sugar, etc.), B'way & Mortimer, Buffalo, N. Y.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
Tolhurst Machine Works, Troy, N. Y.
*Troy Laundry Machine Co., La Salle & 23rd, Chicago, Ill.
*Tyler Co., W. S., Cleveland, O.

2283—Centrifugals (Nitrating)

Fletcher Works, Glenwood av & 2d, Phila., Pa.

2284—Centrifugals & Mixers (Sugar)

American Laundry & Machinery Co. (Centrifugals), Cincinnati, O.
American Tool & Machine Co. ("Weston" Centrifugals), 10 High, Boston, Mass.
Blymyer Iron Works Co. ("Triumph" with Hand Power Jack), Cincinnati, O.
Boland Machine & Mfg. Co., 1006 Tchoupitoulas, New Orleans, La.
Cresson-Morris Co. ("Morris-Weston"), Allegheny & 18th, Phila., Pa.
D'Olier Centrifugal Pump & Mach. Co., 165 Broadway, New York
Fletcher Works ("Fletcher Weston"), Glenwood av & 2d, Phila., Pa.
Hepworth S. S. Co. ("Mackintosh" Ball Bearing), 342 E 92nd, New York
Krajewski-Pesant Mfg. Corp., 227 Fulton, New York
Mundt Chas. & Sons, 53 Fairmount av, Jersey City, N. J.
Murphy John H. Iron Works (Mixers), 642 Magazine, New Orleans, La.
Pusey & Jones Co., Poplar, Wilmington, Del.
Squier Geo. L. Mfg. Co. ("Buffalo"), 490 Broadway, Buffalo, N. Y.
Stearns-Roger Mfg. Co., Denver, Colo.

Sugar Machinery Co., 129 W. 2nd, Los Angeles, Cal.
Tolhurst Machine Works (Sugar Centrifugals Only), Troy, N. Y.
Von Phul Gilbert D., Hibernia Bank bldg, New Orleans, La.
Wayte W. J., Inc. (Imp), 1 Liberty, New York

2285— Ceresine Importers

Bromund E. A. Co., 258 B'way, New York
Clinton Metallic Paint Co. ("Clinton"), Dept. H, Clinton, N. Y.
Scheel Wm. H., 179 Water, New York
Salomon L. A. & Bro., 216 Pearl, New York
Strahl & Pitsch, 141 Front, New York

2285a— Cerium (Metallic)

Pfanstiehl Co., N Chicago, Ill.

2285b— Cerium Nitrate

Foote Mineral Co., Inc., Phila., Pa.
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

2285c— Cerium Oxalate

Mallinckrodt Chemical Wks., 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Riddle Chemical Co., Inc., 35 S Dearborn, Chicago, Ill.
See adv index at end of book

2286— Cesspools

See also Drains, Floor

Acheson Mfg. Co. (Brass), Rankin, Pa.
See adv index at end of book
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Barber Mfg. Co., Ashtabula, O.
Barnes Mfg. Co., Mansfield, O.
Bignall Co., Medina, N. Y.
Casey-Hedges Co., Chattanooga, Tenn.
Central Foundry Co. (Also Miscellaneous Accessories), 41 E 42d, New York
Chemical Toilet Corp. (Cleaners), 2626 S Salina, Syracuse, N. Y.
Cheney S. & Son, Manlius, N. Y.
Crestline Mfg. Co. (Cast Iron), Crestline, O.
Essex Foundry, Murray, Newark, N. J.
Estabrook's R. Sons ("Estabrook" Deep Seal), 202 1st, Boston, Mass.
Fleck Bros. Co., 44 N 5th, Phila., Pa.
Foote J. B. Foundry Co., Fredericktown, O.
Frantz Mfg. Co. (Cast Iron), Sterling, Ill.
Frederick Iron & Steel Co., Frederick, Md.
Glenn Mfg. Co. (Belt Trap, etc.), St. Charles, Ill.
Greenberg's M. & Son, Folsom & Alice, San Francisco, Cal.
Haines, Jones & Cadbury Co. ("Hajoca"), 1136 Ridge av, Phila., Pa.
Indiana Foundry Co., Dept. H, Indiana, Pa.
Kokomo Brass Works (Brass Threaded), Kokomo, Ind.
Kupferle Jno. C. Foundry Co., 1st & Wright, St. Louis, Mo.
McDonald Foundry, Columbus, O.
Madison Foundry Co. ("Acme"), Cleveland, O.
Mechanicville Specialty Supply Mfg. Co. (Deep Seal), Mechanicville, N. Y.
Modern Iron Works (Hydrant & Strainers) (With Bell Traps, etc), Quincy, Ill.
Peck Bros. & Co., New Haven, Conn.
Rundle Mfg. Co. (Bell Trap), 27th & Wahl, Milwaukee, Wis.
Sanitary Co. ("Ideal" Hydrant, Cast Iron & Stable), Linfield, Pa.
Steiger & Kerr Stove & Foundry Co., Folsom & 18th, San Francisco, Cal.
Sterling Foundry Co. ("Best"), Sterling, Ill.
Storch & Co. ("S. & S." Caulkable), 1102 Wolf, Phila., Pa.
Swett A. L. Iron Works, Medina, N. Y.
Treaty Co. (Trakless), Greenville, O.
Union Metal Works, Chelsea, Mass.
Watertite Drain & Scupper Co. ("Anticlog"), 137 E 46th, New York
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.

2286a—*Chain (Electric Welded)

Columbus McKennon Chain Co., Columbus, O. *See adv index at end of book*
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa.
See adv index at end of book

2287—Chain Links & Chain Punched

Bethlehem Steel Co., So. Bethlehem, Pa.
Fischer Chas. Spring Co. (The), 240 Kent av, Brooklyn, N. Y.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
HENDRYX A. B. CO. (Chain Links), 86 Audubon, New Haven, Conn.
See adv index at end of book
Hoopes & Townsend Co., Broad & Buttonwood, Phila, Pa.
Howe Chain Co., Dept. H, Muskegon, Mich.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Morse Chain Co., Ithaca, N. Y.
See adv index at end of book
New Jersey Foundry & Machine Co. ("Delta"), 90 West, New York
Pawtucket Mfg. Co., Pawtucket, R. I.
Rhode Island Tool Co., Providence, R. I.
Smith Thos. Co., 288 Grove, Worcester, Mass.
Transue & Williams Steel Forging Corp. (Drop Forged Mining Chain Links), Alliance, O.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

2288— Chain Slings

CARROLL CHAIN CO., 265H Hosack, Columbus, Ohio
See adv index at end of book
Chain Products Co. ("Bulldog" Hay), H, E Cooper av, Cleveland, Ohio
COLUMBUS McKINNON CHAIN CO. Columbus, O. *See adv index at end of book*
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Gerdes & Co. Inc., 42 Church, New York
See adv index at end of book
Hobbs Clinton E. & Co., 37 Pearl, Boston, Mass.
International Ship Fittings & Supply Corp., 212-214 Fulton, Brooklyn, N. Y.
LARKIN & CO., J. K., 253 Broadway, New York
Lebanon Chain Works, Lebanon, Pa.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
MORSE CHAIN CO. (For Cranes, etc.), Ithaca, N. Y.
See adv index at end of book
READING CHAIN & BLOCK CORP., Reading, Pa.
See adv index at end of book
Seattle Chain & Mfg. Co., 6921 E Marginal way, Seattle, Wash.
Speidel Elevator Corp., Reading, Pa.
United Shipsmithing Co., 135 Spear, San Francisco, Cal.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Weimer Chain & Iron Co., Lebanon, Pa.
White Hill Chain Works, Fieldsboro, N. J.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2288a— Chain Specialties

United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2289— Chain Stays

American Brass & Copper Co., 138 Lafayette, New York
American Pin Co. ("Ampinco" Brass), Waterbury, Conn.
Bernz Otto Co., Inc., 17 Ashland, Newark, N. J.
See adv index at end of book
Boekel Wm. & Co., 518 Vine, Phila., Pa.
Clow Jas. B. & Sons, Franklin & Harrison, Chicago, Ill.
Detroit Sanitary Supply Co., 1191 Second, Detroit, Mich.
Frost Mfg. Co., Kenosha, Wis.
Haydenville Co., Haydenville, Mass.
Hobbs Clinton E. & Co., 37 Pearl, Boston, Mass.
Hoffmann Billings Mfg. Co., 100 2d, Milwaukee, Wis.
Mott J. L. Iron Works, Trenton, N. J.
Newhall Chain, Forge & Iron Co., 89 West, New York
Peck Bros. & Co., New Haven, Conn.
Reid R. W., 264 Hancock, Brooklyn, N. Y.
Seattle Chain & Mfg. Co., 6921 E Marginal way, Seattle, Wash.
Special Service Flooring Co., 2009 Grand Central Terminal, New York
Standard Sanitary Mfg. Co., 5905 2nd av, Pittsburgh, Pa.
Street & Kent Mfg. Co., 1956 Clybourn av, Chicago, Ill.
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa.
See adv index at end of book
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.
Wolverine Brass Works, Grand Rapids, Mich.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2290— Chains (Agricultural)

American Chain Co., 929 Connecticut, Bridgeport, Conn.
Badger Malleable & Mfg. Co., South Milwaukee, Wis.
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book.
CARROLL CHAIN CO., Columbus, O.
See adv index at end of book
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book.
Chain Products Co. ("Bulldog," "Samson," "Hodell"), H, E Cooper av, Cleveland, Ohio
COLUMBUS McKINNON CHAIN CO. Columbus, O. *See adv index at end of book*
Diamond Chain & Mfg. Co., 502 Kentucky av, Indianapolis, Ind.
See adv index at end of book
Duckworth Chain & Mfg. Co., 41H Mill, Springfield, Mass.
Hobbs Clinton E. & Co., 37 Pearl, Boston, Mass.
Howe Chain Co., Dept. H, Muskegon, Mich.
JEFFREY MFG. CO., 961 N. Fourth, Columbus, Ohio
See adv index at end of book
Krein Mfg. Co., Wapakoneta, O.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book.
Mundorf Chain Works, York, Pa.
Newhall Chain, Forge & Iron Co., 89 West, New York
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Seattle Chain & Mfg. Co., 6921 E Marginal way, Seattle, Wash.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book.
Webster Mfg. Co., 4500-46 Cortland, Chicago, Ill.
See adv index at end of book
White Hill Chain Wks., Fieldsboro, N. J.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2291— Chains (Aluminum)

Bridgeport Chain Co., Bridgeport, Conn.
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book

2291a— Chains (Anchor)

CARROLL CHAIN CO., Columbus, O.
See adv index at end of book
Columbus-McKinnon Chain Co. (Close & Stud Link), Columbus, O.
See adv index at end of book
Hobbs Clinton E. & Co., 37 Pearl, Boston, Mass.
International Ship Fittings & Supply, 212-214 Fulton, Brooklyn, N. Y.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Lebanon Chain Works, Lebanon, Pa.
National Malleable Castings Co., 10606 Quincy av, Cleveland, Ohio
Weimer Chain & Iron Co., Dept. H, Lebanon, Pa.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2292— Chains (Anti-Skid)

American Chain Co. ("Weed"), 929 Connecticut, Bridgeport, Conn.
Arrow Grip Mfg. Co. Inc., Glen Falls, N. Y.
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book.
Carroll Chain Co., Columbus, O.
See adv index at end of book
Chain Products Co. ("Samson"), 3924 Cooper av, Cleveland, O.
COLUMBUS-McKINNON CO., Columbus, O. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Imperial Bit & Snap Co. ("Reichert" for Auto Trucks & Pleasure Cars), Racine Wis.
Midland Co. ("Jiff-On"), South Milwaukee, Wis.
Pyrene Mfg. Co. ("Off-n-On"), 520 Belmont av, Newark, N. J.
Rowe Calk & Chain Co., Plantsville, Conn.
Seattle Chain & Mfg. Co., 6921 E Marginal way, Seattle, Wash.
Standard Steel Products Co. ("Jiffy"), 1002 E 12th, Oakland, Cal.
Standley Skid Chain Co., Boon, Ia.
Ulfers Mfg. Co. ("Bull Dog" Auto Grip), Freeport, Ill.

(Continued on following page)

QUALITY CHAIN

McKAY TIRE AND TRUCK CHAINS

McKay Shurout Chains *McKay Ready Repair Links* *McKay Bumpers*

"Proof," "BB" and "BBB" Chain "XX" Steam Shovel and Dredge Chain

Conveyor Chain Railroad Chain Log Chains Feed Chains Mining Machine Bits

Steel Loading Chain Wagon Chains Mine Car Hitchings Repair Links Harness Chains



UNITED STATES CHAIN & FORGING CO.

EASTERN SALES OFFICE
30 Church Street, New York, N. Y.

GENERAL SALES OFFICES
Union Trust Building, Pittsburgh, Pa.

WESTERN SALES OFFICE
1315 First National Bank Building, Chicago, Ill.

DISTRICT SALES OFFICES

WASHINGTON, D. C., 416 Munsey Building
BALTIMORE, MD., 400 W. Lombard St.
SALT LAKE CITY, UTAH, 422 Ness Building
CHICAGO, ILL., 1339 First National Bank Building
ST. LOUIS, MO., 796-8 Arcade Building
ST. PAUL, MINN., Merchants Bank Building
SAN FRANCISCO, CAL., Monadnock Building
EL PASO, TEX., 1103-5 Noble Street

Chains (Anti-Skid)—Continued

United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.
Woodworth Mfg. Co. ("Easy on" & "Kant Skid"), Starr av, Binghamton, N. Y.
Woodworth Specialties Co. ("Easy On" & "Double Grip"), 53 State, Binghamton, N. Y.

2293—Chains (Anti-Spreader)

American Chain Co., 929 Connecticut, Bridgeport, Conn.
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book.
Chain Products Co. ("Bulldog"), H, E Cooper av, Cleveland, Ohio
Columbus-McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Krein Mfg. Co., Wapakoneta, O.
Mundorf Chain Works, York, Pa.
Newhall Chain, Forge & Iron Co., 89 West, New York
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2294—Chains (Arc Lamp Suspension)

American Chain Co., 929 Connecticut, Bridgeport, Conn.
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book.

2295—Chains (Automobile, Engine)

See also Chains (Power Transmission)

Link-Belt Company, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
MORSE CHAIN CO., Ithaca, N. Y.
See adv index at end of book

2296—Chains (Automobile Tire Lock)

American Chain Co. Inc., Bridgeport, Conn.
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book.
Chain Products Co., 3924 Cooper av, Cleveland, Ohio

2297— Chains (Awning)

Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Chain Products Co. ("Bulldog," "Samson"), H, E Cooper av, Cleveland, Ohio
Hobbs Clinton E. Co., 87 Pearl, Boston, Mass.
Howe Chain Co., Muskegon, Mich.
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book.

2298— Chains (Band)

Keuffel & Esser Co., Hoboken, N. J.

2299— Chains (Bead)

American Ball Chain Works, 12 Wooster, New York
Bead Chain Mfg. Co., Mt. Grove, Bridgeport, Conn.
Bryant Electric Co., 1421 State, Bridgeport, Conn.
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
See adv index at end of book

2300— Chains (Bicycle)

Baldwin Chain & Mfg. Co. (Block), 199 Chandler, Worcester, Mass.
Diamond Chain & Mfg. Co., 502 Kentucky av, Indianapolis, Ind.
See adv index at end of book
Duckworth Chain & Mfg. Co., Springfield, Mass.
Grant Gear Works, Pearl & Purchase, Boston, Mass.
See adv index at end of book
Waterbury Button Corp., 831 So Main, Waterbury, Conn.
See adv index at end of book
Whitney Mfg. Co. ("Whitney"), H, Hamilton, Hartford, Conn.

2301-2— Chains (Binder)

See also Chains, Log

American Chain Co., 929 Connecticut, Bridgeport, Conn.
Badger Malleable & Mfg. Co., S Milwaukee, Wis.
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book.
Carroll Chain Co., Columbus, O.
See adv index at end of book
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Chain Products Co. ("Bulldog"), H, E Cooper av, Cleveland, O.
Cleveland Chain & Mfg. Co. (The), Cleveland, Ohio
See adv index at end of book
Columbus-McKinnon Chain Co., Columbus, Ohio
See adv index at end of book
Hobbs Clinton E. Co., 87 Pearl, Boston, Mass.
Howe Chain Co., Dept. H, Muskegon, Mich.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book.
Mundorf Chain Works, York, Pa.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book.
White Hill Chain Works, Fieldsboro, N. J.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2303— Chains (Block)

American Chain Co., 929 Connecticut, Bridgeport, Conn.
Baldwin Chain & Mfg. Co., 199 Chandler, Worcester, Mass.
Boston Gear Works, Norfolk Downes, Quincy, Mass.
Carroll Chain Co., Columbus, O.
See adv index at end of book
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Cleveland Chain & Mfg. Co. (The), Cleveland, Ohio
See adv index at end of book
Columbus-McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Diamond Chain & Mfg. Co., 502 Kentucky av, Indianapolis, Ind.
See adv index at end of book
Duckworth Chain & Mfg. Co., 41 Mill H., Springfield, Mass.
Grant Gear Works, Pearl & Purchase, Boston, Mass.
See adv index at end of book
Hobbs Clinton E. Co., 87 Pearl, Boston, Mass.
Howe Chain Co., Muskegon, Mich.
Krein Mfg. Co., Wapakoneta, O.
Lebanon Chain Works, Lebanon, Pa.
Link-Belt Company, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Monongahela Iron & Steel Co., Oliver bldg, Pittsburgh, Pa.
Newhall Chain, Forge & Iron Co., 89 West, New York
READING CHAIN & BLOCK CORP., Reading, Pa.
See adv index at end of book.

Round D. & Son, Penn. R. R. & Henry, **Cleveland, Ohio**
See adv index at end of book
Seattle Chain & Mfg. Co., 6921 E Marginal way, Seattle, Wash.
Speidel Elevator Corp., Reading, Pa.
Taylor S. G. Chain Co., 140 S Dearborn, Chicago, Ill.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book.
Weimer Chain & Iron Co., Dept. H, Lebanon, Pa.
White Hill Chain Works, Fieldsboro, N. J.
Whitney Mfg. Co. ("Whitney"), H, Hamilton, Hartford, Conn.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2304— Chains (Brake)

American Chain Co., 929 Connecticut, Bridgeport, Conn.
Carr J. B. Woodhouse Co. Inc., Troy, N. Y.
Carroll Chain Co., Columbus, O.
See adv index at end of book
Columbus-McKinnon Chain Co., Columbus O. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Krein Mfg. Co., Wapakoneta, O.
Mundorf Chain Works, York, Pa.
Newhall Chain, Forge & Iron Co., 89 West, New York
Round D. & Son, Penn R. R. & Henry, Cleveland, O.
See adv index at end of book
Rowe Calk & Chain Co., Plantsville, Conn.
Steel Car Forge Co., Frick bldg, Pittsburgh, Pa. Works: Ellwood City, Pa.
Taylor Electric Truck Co., Troy, N. Y.
Taylor S. G. Chain Co., 140 S Dearborn, Chicago, Ill.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book.
Weimer Chain & Iron Co., Dept. H, Lebanon, Pa.
White Hill Chain Works, Fieldsboro, N. J.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2305— Chains (Brass)

Bliss A. H. & Co. (Small), North Attleboro, Mass.
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book.
Chain Products Co. ("Cepeco"), E Cooper av, Cleveland, Ohio
Corbin Screw Corp., New Britain, Conn.
Elec. Appliance Mfg. Co., Dept. H, Waterbury, Conn.
Hale Bros. Co., 42 LaGrange, Worcester, Mass.
HENDRYX A. B. CO., 86 Audobon, New Haven, Conn. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Howe Chain Co., Muskegon, Mich.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Smith Richardson Co., Attleboro, Mass.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Stimpson Edwin B. Co., 852 Kent av, Bklyn, N. Y. *See adv index at end of book*
Turner & Seymour Mfg. Co., Torrington, Conn.
Waterbury Brass Goods Corp., Waterbury, Conn.
Waterbury Button Corporation, 331 S Main, Waterbury, Conn.
See adv index at end of book

2306— Chains (Breast)

See also Chains, Coil

American Chain Co., 929 Connecticut, Bridgeport, Conn.
Carroll Chain Co., Columbus, Ohio
See adv index at end of book
Cleveland Chain & Mfg. Co. (The), Cleveland, O.
See adv index at end of book
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Covert Mfg. Co. ("Yankee" New Patent), Troy, N. Y.
Covert Saddlery Works (Adjustable), Interlaken, N. Y.
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Krein Mfg. Co., Wapakoneta, O.
Midland Co., South Milwaukee, Wis.
Mundorf Chain Works, York, Pa.
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
North & Judd Mfg. Co. ("Anchor Brand"), New Britain, Conn.
United States Chain & Forging Co., Union Trust bldg., Pittsburgh, Pa.
See adv index at end of book
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2307— Chains (Bright)

Cleveland Chain & Mfg. Co. (The), Cleveland, O.
See adv index at end of book
Columbus-McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Mundorf Chain Works, York, Pa.
Rowe Calk & Chain Co., Plantsville, Conn.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2307a— *Chains (Bronze)

Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book

Chains (Bucket Elevating)

See Chains (Elevator)

2308— Chains (Bull)

American Boiler & Iron Works ("Molander"), Everett, Wash.
Cleveland Chain & Mfg. Co. (The), Cleveland, O.
See adv index at end of book
Columbus-McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
LINK-BELT COMPANY ("Howe"), 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Mundorf Chain Works, York, Pa.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Woodhouse Chain Works, Trenton, N. J.

2309—Chains (Cable & Marine)

American Chain Co., 929 Connecticut, Bridgeport, Conn.
Bradlee & Co., 1615 N. Delaware, Philadelphia, Pa.
Carr J. B. Woodhouse Co. Inc., Troy, N. Y.
Carroll Chain Co., Columbus, O.
See adv index at end of book
COLUMBUS McKINNON CHAIN CO. (Close & Stud Link), Columbus, O.
See adv index at end of book
Fisher C. W., 52H Bway, New York
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Krein Mfg. Co., Wapakoneta, O.
Lebanon Chain Works, Lebanon, Pa.
Manumotors Co., Manitowoc, Wis.
Monongahela Iron & Steel Co. ("Carter" Ball Bearing), Oliver bldg, Pittsburgh, Pa.
National Malleable Castings Co., 10606 Quincy av, Cleveland, O.
Newhall Chain, Forge & Iron Co., 89 West, New York
Nixdorff-Krein Mfg. Co., St. Louis, Mo.
Round D. & Son, Penn R. R. & Henry, Cleveland, O.
See adv index at end of book
Seattle Chain & Mfg. Co., 6921 E Marginal way, Seattle, Wash.
UNITED STATES CHAIN & FORGING CO. (Close & Stud Link), Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Weimer Chain & Iron Co. (Hand Made), Lebanon, Pa.
White Hill Chain Works, Fieldsboro, N. J.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2309a— Chains (Car Brake)

Carroll Chain Co., Columbus, O.
See adv index at end of book
Cleveland Chain & Mfg. Co. (The), Cleveland, O.
See adv index at end of book
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2310— Chains (Car Fender)

American Chain Co., 929 Connecticut, Bridgeport, Conn.
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Chain Products Co. ("Bulldog," "Samson," "Hodell"), H, E Cooper av, Cleveland, Ohio
Cleveland Chain & Mfg. Co. (The), Cleveland, O.
See adv index at end of book
Columbus-McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Fisher C. W., 52H Bway, New York
Newhall Chain, Forge & Iron Co., 89 West, New York
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
UNITED STATES CHAIN & FORGING CO., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Woodhouse Chain Works, Trenton, N. J.

2311— Chains (Car Haul)

Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Chain Products Co. ("Bulldog"), H, E Cooper av, Cleveland, Ohio
Cleveland Chain & Mfg. Co., The, Cleveland, O.
See adv index at end of book
COLUMBUS-M'KINNON CHAIN CO., Columbus, O.
See adv index at end of book
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Howe Chain Co., Muskegon, Mich.
Jeffrey Mfg. Co., 961 N Fourth, Columbus, Ohio
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
White Hill Chain Works, Fieldsboro, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2312— Chains (Chandelier)

American Chain Co., 929 Connecticut, Bridgeport, Conn.
Atlantic Chain Corp., 73 Marion, Long Island City, N. Y.
Bliss Co., A. H., North Attleboro, Mass.
Chain Products Co. ("Hodell"), H, E Cooper av, Cleveland, Ohio
Dallas Brass & Copper Co. (& Fixtures), 225 N Jefferson, Chicago, Ill.
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Mundorf Chain Works, York, Pa.
National Chain Co., College Point, Long Island, N. Y.
Riess Light & Fixture Co., 415 Main, Cincinnati, O.
Steele & Johnson Mfg. Co., Waterbury, Conn.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Universal Chain Co., Stroudsburg, Pa.
Virden Co., Ashland rd & Longfellow, Cleveland, O.
Walsh Mfg. Co., O., 225 6th av, New York
White Jos. H. Mfg. Co., 111 N 3rd, Brooklyn, N. Y.
Woodhouse Wm. Chain Mfg. Co. (Welded), Edgely, Bucks Co., Pa.

2313— Chains (Coil)

American Chain Co., 929 Connecticut, Bridgeport, Conn.
Bradlee & Co., 1615 N Delaware, Phila., Pa.
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Carpenter & Co., Geo. B., 434 N Wells, Chicago, Ill.
See adv index at end of book
Carroll Chain Co., Columbus, O.
See adv index at end of book
Chain Products Co. ("Hodell," "Samson," "Bulldog," "Apeco"), H, E Cooper av, Cleveland, Ohio
CLEVELAND CHAIN & MFG. CO. (THE), Cleveland, Ohio
See adv index at end of book

(Continued on following page)

THE COLUMBUS McKINNON CHAIN COMPANY

Factories: Tonawanda, N. Y. / Columbus, Ohio / Lebanon, Pa.

General Offices: Columbus, Ohio

In Canada
McKinnon-Columbus Chain, Ltd.
St. Catharines, Ont.

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Sling Chains to order
Railroad Chains
Dreadnaught Tire Chains
Harness Chains

Crane Chain
Liberty Coil Chain
Liberty Machine Chain
Wheel Chains
Agricultural Chains
Chain Specialties

Chains (Coil)—Continued

COLUMBUS McKINNON CHAIN CO. ("Common Proof," "B.B.," "B.B.B."), Columbus, O.
See adv index at end of book

Diamond Chain Co., York, Pa.
Fisher C. W., 52H Bway, New York
Gerdes & Co. Inc., 42 Church, New York
See adv index at end of book
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
JEFFREY MFG. CO., 961 N. Fourth, Columbus, Ohio
See adv index at end of book
Krein Mfg. Co., Wapakoneta, O.
Monongahela Iron & Steel Co., Oliver bldg, Pittsburgh, Pa.
Mundorf Chain Works, York, Pa.
Newhall Chain, Forge & Iron Co., 89 West,
Nixdorff-Klein Mfg. Co., 900 Howard, St. Louis, Mo.
Oneida Chain Co., Oneida, N. Y.
ROUND D. & SON, Penn. R. R. & Henry, Cleveland, O.
See adv index at end of book
Rowe Calk & Chain Co., Plantsville, Conn.
Seattle Chain & Mfg. Co., 6921 E Marginal way, Seattle, Wash.
Speidel Elevator Corp., Reading, Pa.
Steel Car Forge Co., Frick bldg, Pittsburgh, Pa.
Taylor S. G. Chain Co., 140 S Dearborn, Chicago, Ill.
UNITED STATES CHAIN & FORGING CO. ("Proof," "B.B.," "B.B.B."), United Trust bldg, Pittsburgh, Pa.
See adv index at end of book
White Hill Chain Works, Fieldsboro, N. J.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2313a—*Chains (Conductor Valve)

Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book

2314— Chains (Contractors')

Columbus-McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Rowe Calk & Chain Co., Plantsville, Conn.
Union Chain & Mfg. Co., Sandusky, O.
UNITED STATES CHAIN & FORGING CO., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2315— Chains (Conveyor)

See also Belting, Chain or Link

Abell-Howe Co., 53 W Jackson, Chicago, Ill.
Alvey Ferguson Co., 70 North av, Oakley, Cincinnati, O.
American Chain Co., 929 Connecticut, Bridgeport, Conn.
American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept. H, 14th & State, Chicago Heights, Ill.
Badger Malleable & Mfg. Co. (ice), S. Milwaukee, Wis.
BARTLETT & SNOW CO., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Boland Machine & Mfg. Co., 1006 Tchoupitoulas, New Orleans, La.
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
CARROLL CHAIN CO., Columbus, O.
See adv index at end of book
CHAIN BELT CO., 746 Park, Milwaukee, Wis. *See adv index at end of book*
Chain Products Co. ("Samson"), H, E Cooper av, Cleveland, Ohio
CLEVELAND CHAIN & MFG. CO. (THE), Cleveland, O.
See adv index at end of book
Columbus Conveyor Co., W Goodale, Columbus, Ohio
COLUMBUS McKINNON CHAIN CO. (Long Link Sprocket or Log-Haul-Up), Columbus, O.
See adv index at end of book
Diamond Chain & Mfg. Co., 502 Kentucky av, Indianapolis, Ind.
See adv index at end of book
Dow Co., 201H E Buchanan, Louisville, Ky.
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Fulton Iron Works Co., 1259 Delaware av, St. Louis, Mo.
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
HOWE CHAIN CO., Muskegon, Mich.
JEFFREY MFG. CO., 961 N. Fourth, Columbus, Ohio
See adv index at end of book
Krein Mfg. Co., Wapakoneta, O.
Lebanon Chain Works, Lebanon, Pa.
Lebanon Drop Forging Co., Lebanon, Pa.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Manumotors Co., Manitowoc, Wis.
Michigan Sprocket Chain Co., Delray, Detroit, Mich.
Mill & Mine Supply Co. ("Titan"), 317 1st av S, Seattle, Wash.
Newhall Chain, Forge & Iron Co., 89 West, New York
Puget Sound Machinery Depot, 318 1st av S, Seattle, Wash.
Rivetless Chain & Engng. Co. (Steel), Avon, Pa.
Robinson H. Mfg. Co., Muncy, Pa.
ROUND D. & SON, Penn R. R. & Henry, Cleveland, Ohio
See adv index at end of book
Seattle Chain & Mfg. Co., 6921 E Marginal way, Seattle, Wash.
Sprout Waldron & Co., Muncy, Pa.
See adv index at end of book
Taylor C. G. Chain Co., 140 S Dearborn, Chicago, Ill.
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.
Union Chain & Mfg. Co. (Steel), Sandusky, Ohio
Union Malleable Iron Co., East Moline, Ill.
UNITED STATES CHAIN & FORGING CO., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Webster Mfg. Co., 4500 Cortland, Chicago, Ill. *See adv index at end of book*
Weimer Chain & Iron Co., Lebanon, Pa.
White Hill Chain Works, Fieldsboro, N. J.
Wilmot Engineering Co. ("Keystone" Rivetless), Hazleton, Pa.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2316— Chains (Copper)

Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Chain Products Co. ("Bulldog," "Hodell"), H, E Cooper av, Cleevland, Ohio
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Stimpson Edwin B. Co., 852 Kent, Bklyn, N. Y. *See adv index at end of book*

2316a— Chains (Coupler)

American Chain Co., Bridgeport, Conn.
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book

2317— Chains (Cow Tie)

American Chain Co., 929 Connecticut, Bridgeport, Conn.
BRIDGEPORT CHAIN CO. ("Brown Weldless," "Triumph Weldless"), 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Chain Products Co. ("Bulldog," "Hodell," "Samson"), H, E Cooper av, Cleveland, Ohio
Columbus-McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Krein Mfg. Co., Wapakoneta, O.
Mundorf Chain Works, York, Pa.
Newhall Chain, Forge & Iron Co., 89 West, New York
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Nixdorff-Krein Mfg. Co., 900 Howard, St. Louis, Mo.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Woodhouse Chain Works, Trenton, N. J.

2318— Chains (Crane)

American Chain Co., 929 Connecticut, Bridgeport, Conn.
Bradlee & Co. ("D. B. G."), 1615 N Delaware, Phila., Pa.
Carpenter & Co., Geo. B., 434 N Wells, Chicago, Ill.
See adv index at end of book
Carr J. B. Woodhouse Co. Inc., Troy, N. Y.
CARROLL CHAIN CO., Columbus, O.
See adv index at end of book
COLUMBUS M'KINNON CHAIN CO. ("CC"), Columbus, O.
See adv index at end of book
Gerdes & Co. Inc., 42 Church, New York
See adv index at end of book
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Krein Mfg. Co., Wapakoneta, O.

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Lebanon Chain Works, Lebanon, Pa.
Newhall Chain, Forge & Iron Co., 89 West, New York
Nicholson & Co., Rankin, Pa.
Reading Chain & Block Corp., Reading, Pa. *See adv index at end of book*
ROUND D. & SON (⅛ to 2½ inch), Penn R. R. & Henry, Cleveland, O.
See adv index at end of book
Ryerson Jos. T. & Son Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Speidel Elevator Corp., Reading, Pa.
UNITED STATES CHAIN & FORGING CO., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2319—Chains (Detachable Link)

Badger Malleable & Mfg. Co., S. Milwaukee, Wis.
Baldwin Chain & Mfg. Co. ("Baldwin"), 199 Chandler, Worcester, Mass.
Boston Gear Works, Norfolk Downes, Quincy, Mass.
See adv index at end of book

CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.

CHAIN BELT CO., 746 Park, Milwaukee, Wis. *See adv index at end of book*

Diamond Chain & Mfg. Co., 502 Kentucky av, Indianapolis, Ind.
See adv index at end of book
Duckworth Chain & Mfg. Co., 41H Mill, Springfield, Mass.
Federal Malleable Co., West Allis, Wis.
Grant Gear Works, Pearl & Purchase, Boston, Mass.
See adv index at end of book
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Howe Chain Co., Muskegon, Mich.
Jeffrey Mfg. Co., 961 N Fourth, Columbus, O. *See adv index at end of book*

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

Union Chain & Mfg. Co., Sandusky, O.
Union Malleable Iron Co., East Moline, Ill.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Whitney Mfg. Co. ("Whitney"), H, Hamilton, Hartford, Conn.

2319a—Chains (Die-Welded)

Carroll Chain Co., Columbus, O.
See adv index at end of book
Cleveland Chain & Mfg. Co. (The), Cleveland, Ohio
See adv index at end of book
Mundorf Chain Works, York, Pa.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2320—Chains (Differential Pulley Block)

Carroll Chain Co., Columbus, O.
See adv index at end of book
Colonial Supply Co., 217 Water, Pittsburgh, Pa *See adv index at end of book*
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Krein Mfg. Co., Wapakoneta, O.
Newhall Chain, Forge & Iron Co., 89 West, New York
Round D. & Son, Penn RR. & Henry, Cleveland, O.
See adv index at end of book
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
White Hill Chain Works, Fieldsboro, N. J.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

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Hendricks Commercial Register

2321— Chains (Dog Lead)

American Chain Co., 929 Connecticut, Bridgeport, Conn.
Bardall J. C. Co., Moundsville, W. Va.
Bead Chain Co., Mt. Grove, Bridgeport, Conn.
BRIDGEPORT CHAIN CO. ("Triumph Weldless"), 1000 Crescent av, Bridgeport, Conn. *See adv index at end of book*
Buchheimer Geo. H., 503 Ann, Baltimore, Md.
Carroll Chain Co., Columbus, O.
See adv index at end of book
Chain Products Co. ("Samson" "Hodell" "Bull Dog"), 3924 Cooper av, Cleveland, O.
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Corbin Screw Corp., New Britain, Conn.
Covert Saddlery Works, Interlaken, N. Y.
Diamond Whip Co., 406 N Curtis, Chicago, Ill.
Ferree E. H. Co., Lockport, N. Y.
Hatheway Mfg. Co. ("Duplex" Reinforced), Bridgeport, Conn
Krein Mfg. Co., Wapakoneta, O.
Ney Mfg. Co., Canton, Ohio
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Parker Wire Goods Co., Worcester, Mass.
Wickwire Spencer Steel Corp., 41 East 42nd, New York
See adv index at end of book
Washburn Co., (Wire Goods Div.), 28 Union, Worcester, Mass.
Woodhouse Chain Works, Trenton, N. J.

2322— Chains (Double Jointed)

Jencks E. Mfg. Co. ("Universal"), 28 Union, Worcester, Mass.
Wickwire Spencer Steel Corp., 41 East 42nd, New York
See adv index at end of book

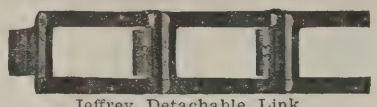
2323— Chains (Drag)

American Chain Co., 929 Connecticut, Bridgeport, Conn.
Carroll Chain Co., Columbus, O.
See adv index at end of book
Cleveland Chain & Mfg. Co. (The), Cleveland, Ohio
See adv index at end of book
Columbus-McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Howe Chain Co., Muskegon, Mich.
JEFFREY MFG. CO., 961 N. Fourth, Columbus, O. *See adv index at end of book*
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Newhall Chain, Forge & Iron Co., 89 West, New York
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2324— Chains (Dredge)

American Chain Co. ("Ajax," "H. B."), 929 Connecticut, Bridgeport, Conn.
American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept. H, 14th & State, Chicago Heights, Ill.
Bradlee & Co., 1615 N Delaware, Phila., Pa.
Carr J. B. Woodhouse Co. Inc., Troy, N. Y.
CARROLL CHAIN CO., Columbus, O.
See adv index at end of book
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
COLUMBUS McKINNON CHAIN CO. ("CC" & Steam Shovel), Columbus, O.
See adv index at end of book
Fisher C. W., 52H Bway, New York
Gerdes & Co. Inc., 42 Church, New York
See adv index at end of book
Haskell Wm. H. Mfg. Co. (Punched Link), Pawtucket, R. I.
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O.
See adv index at end of book
Lebanon Chain Works, Lebanon, Pa.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Mill & Mine Supply Co. ("Titan"), 317 1st, Seattle, Wash.
National Malleable Castings Co., 19606 Quincy av, Cleveland, Ohio
Newhall Chain, Forge & Iron Co. (Branded "Warwick" & "Trident"), 89 West, New York
Nicholson & Co., Rankin, Pa.
Nixdorff-Klein Mfg. Co., 900 Howard, St. Louis, Mo.
Rhode Island Tool Co. (Drop Forged Link), Providence, R. I.
Round D. & Son, Penn RR. & Henry, Cleveland, O.
See adv index at end of book
Seattle Chain & Mfg. Co. ("Diamond"), 6921 E Marginal way, Seattle, Wash.

(Continued on following page)


Jeffrey Detachable Link


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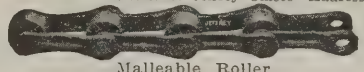
Over 50 standard sizes of Jeffrey Bucket Elevators for handling coal, coke, ashes, sand, gravel, stone, etc. Capacities range from 6½ to 80 tons per hour, with vertical lifts from 10 to 75 feet.

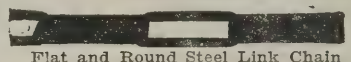
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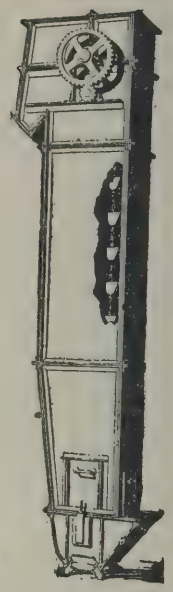
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Taylor S. G. Chain Co. (Steam Shovel), 140 S Dearborn, Chicago, Ill.
UNITED STATES CHAIN & FORGING CO. ("Old Reliable"), Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Weimer Chain & Iron Co. (Hand Made), Lebanon, Pa.
White Hill Chain Works, Fieldsboro, N. J.
Woodhouse Samuel, Cleveland, O.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2324a— Chains (Drive)

Boston Gear Works, Norfolk Downes, Quincy, Mass.
See adv index at end of book
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
CHAIN BELT CO., 746 Park, Milwaukee, Wis. *See adv index at end of book*
DIAMOND CHAIN & MFG. CO., 502 Kentucky av, Indianapolis, Ind.
See adv index at end of book
Duckworth Chain & Mfg. Co., 41 Mill H, Springfield, Mass.
Howe Chain Co., Muskegon, Mich.
Jeffrey Mfg. Co., 961 N Fourth, Columbus, O.
See adv index at end of book
Link-Belt Company, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Moline Malleable Iron Co., St. Charles, Ill.
Morse Chain Co., Ithaca, N. Y.
See adv index at end of book
Union Chain & Mfg. Co., Sandusky, O.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2325— Chains (Elevator)

Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
American Chain Co., 929 Connecticut, Bridgeport, Conn.
American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept. H, 14th & State, Chicago Heights, Ill.
Baldwin Chain & Mfg. Co., Worcester, Mass.
Baldwin Chain Mfg. Co., 199 Chandler, Worcester, Mass.
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Chain Products Co. ("Bulldog," "Hodell"), H, E Cooper av, Cleveland, Ohio
Cleveland Chain & Mfg. Co. (The), Cleveland, Ohio
See adv index at end of book
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Diamond Chain & Mfg. Co., 502 Kentucky av, Indianapolis, Ind.
See adv index at end of book
Duckworth Chain & Mfg. Co., 41H Mill, Springfield, Mass.
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Howe Chain Co., Muskegon, Mich.
Hoopes & Townsend Co. (Drop Forged), Broad & Buttonwood, Phila., Pa.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Newhall Chain, Forge & Iron Co., 89 West, New York
Rhode Island Tool Co. (Drop Forged Link), Providence, R. I.
Speidel Elevator Corp., Reading, Pa.
Union Chain & Mfg. Co., Sandusky, O.
UNITED STATES CHAIN & FORGING CO., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
White Hill Chain Works, Fieldsboro, N. J.
Wilmot Engineering Co. ("Keystone" Riveteless), Hazleton, Pa.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2325a— Chains (Fence)

Carroll Chain Co., Columbus, O.
See adv index at end of book
Cleveland Chain & Mfg. Co. (The), Cleveland, Ohio
See adv index at end of book
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa.
See adv index at end of book
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2326— Chains (Fire Hydrant)

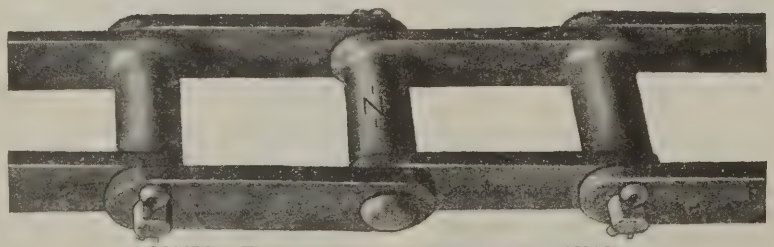
Bridgeport Chain Co., Bridgeport, Conn.
Cleveland Chain & Mfg. Co., Penn RR. & Henry, Cleveland, O.
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Woodhouse Chain Works, Trenton, N. J.

2326a— Chains (Fire Welded)

Carroll Chain Co., Columbus, O.
See adv index at end of book
Cleveland Chain & Mfg. Co. (The), Cleveland, Ohio
See adv index at end of book
Mundorf Chain Works, York, Pa.
Rowe Calk & Chain Co., Plantsville, Conn.

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For Elevating, Conveying and Power Transmission


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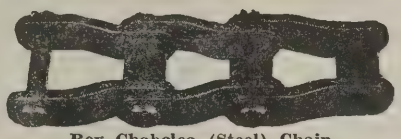
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CHAIN BELT COMPANY, 746 Park Street, MILWAUKEE, WIS.

United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2327— Chains (Fish Net)

Chain Products Co. ("Hodell"), H, E Cooper av, Cleveland, Ohio
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book

2327a— *Chains (Flat Link)

Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book

2328— Chains (Flower Pot)

Chain Products Co. ("Bulldog," "Samson," "Hodell," "Cepeco"), H, E Cooper av, Cleveland, Ohio
HENDRYX A. B. CO., 86 Audobon, New Haven, Conn. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

2329— Chains (Furnace)

Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Chain Products Co. ("Bulldog," "Hodell"), H, E Cooper av, Cleveland, Ohio
Cleveland Chain & Mfg. Co. (The), Cleveland, Ohio
See adv index at end of book
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lefayette, New York
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Turner & Seymour Mfg. Co., Torrington, Conn.
Union Chain & Mfg. Co., Sandusky, O.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2329a— Chains (Galvanized)

Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Carroll Chain Co., Columbus, Ohio
See adv index at end of book
Cleveland Chain & Mfg. Co. (The), Cleveland, Ohio
See adv index at end of book
Fisher C. W., 52H Bway, New York
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2330—Chains (Galvanized Pump)

Bridgeport Chain Co., Bridgeport, Conn.
Chain Products Co. ("Cleveland"), H, E Cooper av, Cleveland, O.
Garland Mfg. Co., 1st National Bank bldg, Pittsburgh, Pa.
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Niagara Falls Metal Stamping Works (Also Galvanized Coil Chains, etc), Niagara Falls, N. Y.
Roebling's John A. Sons Co., Trenton, N. J.
See adv index at end of book
Schriver O. P. & Co. ("I X L"), 621 E Pearl, Cincinnati, O.
Woodhouse Chain Works, Trenton, N. J.

2331—Chains (Gear Link Drive)

Boston Gear Works, Norfolk Downes, Quincy, Mass.
See adv index at end of book
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Howe Chain Co., Muskegon, Mich.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
MORSE CHAIN CO., Ithaca, N. Y.
See adv index at end of book
Union Chain & Mfg. Co., Sandusky, O.
Union Malleable Iron Co. ("Heald's" Patent), East Moline, Ill.
Whitney Mfg. Co. ("Whitney"), H, Hamilton, Hartford, Conn.

2332— Chains (Griplock)

CHAIN BELT CO. ("Rex"), 746 Park, Milwaukee, Wis.
See adv index at end of book
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa.
See adv index at end of book

2333— Chains (Halter)

American Chain Co., 929 Connecticut, Bridgeport, Conn.
BRIDGEPORT CHAIN CO. ("Triumph Weldless," "Brown Weldless"), 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Chain Products Co. ("Bulldog," "Hodell," "Samson"), H, E Cooper av, Cleveland, Ohio
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Covert Mfg. Co., Troy, N. Y.
Covert Saddlery Works, Interlaken, N. Y.
Diamond Chain Co., York, Pa.
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Krein Mfg. Co., Wapakoneta, O.
Mundorf Chain Works, York, Pa.
Newhall Chain, Forge & Iron Co., 89 West, New York
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Oneida Chain Co., Oneida, N. Y.
Sargent & Co., New Haven, Conn.
Smith & Egge Mfg. Co., Bridgeport, Conn.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Woodhouse Chain Works, Trenton, N. J.

2334— Chains (Hame)

American Chain Co., 929 Connecticut, Bridgeport, Conn.
Chain Products Co. ("Bulldog"), H, E Cooper av, Cleveland, Ohio
Cleveland Chain & Mfg. Co. (The), Cleveland, Ohio
See adv index at end of book
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Kelsay Newton, 1202 Main, Evansville, Ind.
Mundorf Chain Works, York, Pa.
Niagara Falls Metal Stamping Works ("Premax," "Dodson," & "Zenith," "Looplever"), Niagara Falls, N. Y.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2335— Chains (Hammock)

Advance Rumley Co. ("Owatonna"), Madison & Lincoln way, La Porte, Ind.
American Chain Co., 929 Connecticut, Bridgeport, Conn.
BRIDGEPORT CHAIN CO., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Chain Products Co. ("Bullldog," "Samson"), H, E Cooper av, Cleveland, Ohio
Covert Mfg. Co., Troy, N. Y.
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Niagara Falls Metal Stamping Works Niagara Falls, N. Y.
Oneida Chain Co., Oneida, N. Y.
Woodhouse Wm. Chain Mfg. Co. (Welded) Edgely, Bucks Co., Pa.

2336— Chains (Hand Made)

Carroll Chain Co., Columbus, Ohio
See adv index at end of book
Cleveland Chain & Mfg. Co. (The), Cleveland, Ohio
See adv index at end of book
Fisher C. W., 52H Bway, New York
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Mundorf Chain Works, York, Pa.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Weimer Chain & Iron Co., Dept. H, Lebanon, Pa.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2337— Chains (Harness)

American Chain Co., 929 Connecticut, Bridgeport, Conn.
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Carroll Cha'n Co., Columbus, O.
See adv index at end of book
Chain Products Co. ("Bullldog," "Samson," "Hodell"), H, E Cooper av, Cleveland, Ohio
COLUMBUS McKINNON CHAIN CO., Columbus, O. *See adv index at end of book*
Diamond Chain Co., York, Pa.
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Krein Mfg. Co., Wapakoneta, O.
Lutz Co. Inc. (for Autos & Trucks), Morris & Bambrey, Phila., Pa.
Mundorf Chain Works, York, Pa.
Newhall Chain, Forge & Iron Co., 89 West, New York
Niagara Falls Metal Stamping Works (Harness Chain Sets), Niagara Falls, N. Y.
Nixon-Krein Mfg. Co., 900 Howard, St. Louis, Mo.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2338— Chains (Heel)

Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Carroll Chain Co., Columbus, O.
See adv index at end of book
Chain Products Co. ("Bulldog," "Samson"), H, E Cooper av, Cleveland, Ohio
Cleveland Chain & Mfg. Co. (The), Cleveland, Ohio
See adv index at end of book
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Midland Co., South Milwaukee, Wis.
Mundorf Chain Works, York, Pa.
Nixdorff-Krein Mfg. Co., 900 Howard, St. Louis, Mo.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2339—Chains (High Speed, Silent Running)

Abell-Howe Co., 53 W Jackson, Chicago, Ill.
American High Speed Chain Co., 225 E South, Indianapolis, Ind.
Boston Gear Works, Norfolk Downes, Quincy, Mass.
See adv index at end of book
Grant Gear Works, Pearl & Purchase, Boston, Mass.
See adv index at end of book
Howe Chain Co., Dept. H, Muskegon, Mich.
LINK-BELT COMPANY ("Link-Belt"), 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Morse Chain Co. ("Morse"), Ithaca, N. Y.
See adv index at end of book
Whitney Mfg. Co. ("Whitney"), Hartford, Conn.

2340—Chains (Hitching or Mine Car)

American Chain Co., 929 Connecticut, Bridgeport, Conn.
Chain Products Co. ("Bulldog," "Samson"), H, E Cooper av, Cleveland, Ohio
Cleveland Chain & Mfg. Co. (The), Cleveland, Ohio
See adv index at end of book
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Krein Mfg. Co., Wapakoneta, O.
Lebanon Chain Works, Lebanon, Pa.
Newhall Chain, Forge & Iron Co., 39 West, New York
Union Chain & Mfg. Co., Sandusky, O.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
White Hill Chain Works, Fieldsboro, N. J.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2341— Chains (Hog)

Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Pittsburgh Rivet Co., 33th & Junction R. R., Pittsburgh, Pa.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Wendt Albert H., 329 Wash. Newport, Cincinnati, O.

2342— Chains (Hog Scraper)

Howe Chain Co., Muskegon, Mich.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

2343— Chains (Hoist)

American Chain Co., 929 Connecticut, Bridgeport, Conn.
Carroll Chain Co., Columbus, O.
See adv index at end of book
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Diamond Chain & Mfg. Co., 502 Kentucky av, Indianapolis, Ind.
See adv index at end of book
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Hoist & Crane Engineering Co. (The), Engineering bldg, Liberty, New York
See adv index at end of book
Howe Chain Co., Muskegon, Mich.
Lebanon Chain Works, Lebanon, Pa.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
National Malleable Castings Co., 10606 Quincy av, Cleveland, Ohio
Newhall Chain, Forge & Iron Co. (Branded "Warwick" & "Trident"), 39 West, New York
Ryerson Jos. T. & Son Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Seattle Chain & Mfg. Co., 6921 E Marginal way, Seattle, Wash.
Speidel Elevator Corp., Reading, Pa.
Union Chain & Mfg. Co., Sandusky, O.
UNITED STATES CHAIN & FORGING CO. ("Old Reliable," "XX"), Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Weimer Chain & Iron Co., Dept. H, Lebanon, Pa.
White Hill Chain Works, Fieldsboro, N. J.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg Co., Edgely, Bucks Co., Pa.

Chains (Ice Elevator)

See Chains, Conveyor

2343a— *Chains (Hydrant)

Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Howe Chain Co., Muskegon, Mich.

2344— Chains (Jack)

See also Chains, Safety

Acme Manufacturing Co., Waterbury, Conn.
Chain Products Co. ("Cepeco," single or Double), H, E Cooper av, Cleveland, Ohio
Corbin Screw Corporation (Iron & Brass, Single or Double), New Britain, Conn.
Hale Bros. Co., 42 La Grange, Worcester, Mass.
Hendryx A. B. Co., 86 Audobon, New Haven, Conn. *See adv index at end of book*


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Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Klipstein A. & Co. ("Bemanco"), 644 Greenwich, N. Y.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Mattatuck Mfg. Co., Waterbury, Conn.
Parker Wire Goods Co. (Brass & Iron), Worcester, Mass.
Plume & Atwood Mfg. Co. (Brass & Iron), Waterbury, Conn.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Turner & Seymour Mfg. Co., Torrington, Conn.
Waterbury Brass Goods Corp., Waterbury, Conn.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Washburn Co. (Wire Goods Div.), 28 Union, Worcester, Mass.
Wire Hardware Co., 6126 S La Salle, Chicago, Ill.

2344a— Chains (Jewelry)

Electric Chain Co. (Monel Metal), Attleboro, Mass.
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall st, New York. (See insert under Monel Metal)
See adv index at end of book
Johnston Mfg. Co. (Monel Metal), 56 S Main, Attleboro, Mass.

Chains (Kennel)

See Chains, Dog Lead

2345— Chains (Key)

Acme Mfg. Co., Waterbury, Conn.
Aluminum Goods Mfg. Co. (Aluminum), Manitowoc, Wis.
Ames Sword Co., Chicopee, Mass.
Atwater S. I. ("Good Luck"), 101 Lafayette, New York
Bead Chain Mfg. Co., Mt. Grove, Bridgeport, Conn.
Boettiger Louis A. Co., 48 Leonard, New York
Bridgeport Chain Co. ("Triumph Weldless," "Brown Weldless"), 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Chain Products Co. ("Bulldog" & "Hodell"), 3924 Cooper av, Cleveland, O.
Corbin Screw Corporation, New Britain, Conn.
Ferree E. H. Co., Lockport, N. Y.
Hatheway Mfg. Co. ("Duplex"), Bridgeport, Conn.
HENDRYX A. B. CO., 86 Audobon, New Haven, Conn. *See adv index at end of book*
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall st, New York. (See insert under Monel Metal)
See adv index at end of book
Niagara Falls Metal Stamping Works ("Premax" & "Expansion"), Niagara Falls, N. Y.
Smith & Egge Mfg. Co., Bridgeport, Conn.

2346— *Chains (Knife)

Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book

2347— Chains (Ladder)

Boston Gear Works, Norfolk Downes, Quincy, Mass.
See adv index at end of book
Chain Products Co. ("Cepeco," H, E & Cooper av, Cleveland, Ohio
Corbin Screw Corporation, New Britain, Conn.
Grant Gear Works, Pearl & Purchase, Boston, Mass.
See adv index at end of book
Hendryx A. B. Co., 86 Audobon, New Haven, Conn. *See adv index at end of book*


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Parker Wire Goods Co., Worcester, Mass.
Plume & Atwood Mfg. Co. (Brass & Iron), Waterbury, Conn.
Turner & Seymour Mfg. Co., Torrington, Conn.
Union Chain & Mfg. Co., Sandusky, O.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

2348—*Chains ("Link-Belt" Silent)

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

2349— Chains (Loading)

Carroll Chain Co., Columbus, O.
See adv index at end of book
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Union Chain & Mfg. Co., Sandusky, Ohio
United States Chain & Forging Co. ("U. S."), Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.
Woodward, Wight & Co., Ltd. ("Strength & Wear"), Howard av & Constance, New Orleans, La.

2350— Chains (Log)

Allis Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Carr J. B. Woodhouse Co. Inc., Troy, N. Y.
Carroll Chain Co., Columbus, O.
See adv index at end of book
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Diamond Iron Works (Log or Cable Haul Up), 2nd & 18th av, N, Minneapolis, Minn.
Fisher C. W., 52H Bway, New York
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Howe Chain Co., Dept. H, Muskegon, Mich.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
Larkin J. K. & Co., 353 Bway, New York
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Michigan Sprocket Chain Co., 7818 W Jefferson, Detroit, Mich.
Mill & Mine Supply Co. ("Titan"), 317 1st av S, Seattle, Wash.
Mundorf Chain Works (Coil & Long Link), York, Pa.
Newhall Chain, Forge & Iron Co., 39 West, New York
Nicholson & Co., Rankin, Pa.
Nixdorff-Krein Mfg. Co., 900 Howard, St. Louis, Mo.
Round D. & Son, Penn. R. R. & Henry, Cleveland, O.
See adv index at end of book

Rowe Calk & Chain Co., Plantsville, Conn.
Seattle Chain & Mfg. Co. ("Seco"), 6931 E Marginal way, Seattle, Wash.
Taylor S. G. Chain Co., 140 S Dearborn, Chicago, Ill.
United States Chain & Forging Co. (Ring & Hook), Union Trust bldg, Pittsburgh, Pa. *See adv index at end of book*
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Weimer Chain & Iron Co., Dept. H, Lebanon, Pa.
White Hill Chain Works, Fieldsboro, N. J.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2350a—Chains (Log Haul-Up)

See also Chains, Rafting

Allis-Chalmers Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, O. *See adv index at end of book*
Carroll Chain Co., Columbus, O. *See adv index at end of book*
Chain Belt Co., 746 Park, Milwaukee, Wis. *See adv index at end of book*
Cleveland Chain & Mfg. Co. (The), Cleveland, Ohio *See adv index at end of book*
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Howe Chain Co., Muskegon, Mich.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O. *See adv index at end of book*
Lebanon Chain Works, Lebanon, Pa.
Link-Belt Company, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Union Chain & Mfg. Co., Sandusky, Ohio
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa. *See adv index at end of book*
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

2351—Chains (Loom, Friction)

American Chain Co., 929 Connecticut, Bridgeport, Conn.
Chain Products Co. ("Hodell"), 3924 Cooper av, Cleveland, O.

2352— Chains (Machine)

Boston Gear Works, Norfolk Downes, Quincy, Mass. *See adv index at end of book*
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Duckworth Chain & Mfg. Co., 41H Mill, Springfield, Mass.
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Howe Chain Co., Muskegon, Mich.
Mundorf Chain Works, York, Pa.
Rowe Calk & Chain Co., Plantsville, Conn.
Union Chain & Mfg. Co., Sandusky, O.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa. *See adv index at end of book*
Woodhouse Chain Works, Trenton, N. J.

2353— Chains (Machinery)

Baldwin Chain & Mfg. Co., 199 Chandler, Worcester, Mass.
Boston Gear Works, Norfolk Downes, Quincy, Mass. *See adv index at end of book*
Bridgeport Chain Co., Bridgeport, Conn.
Chain Belt Co., 746 Park, Milwaukee, Wis. *See adv index at end of book*
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
DIAMOND CHAIN & MFG. CO., 502 Kentucky av, Indianapolis, Ind. *See adv index at end of book*
Duckworth Chain & Mfg. Co., 41 Mill H, Springfield, Mass.
Grant Gear Works, Pearl & Purchase, Boston, Mass. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
HOWE CHAIN CO., Muskegon, Mich.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Morse Chain Co., Ithaca, N. Y *See adv index at end of book*
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Union Chain & Mfg. Co., Sandusky, O.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa. *See adv index at end of book*
White Hill Chain Works, Fieldsboro, N. J.
Whitney Mfg. Co. ("Whitney"), H, Hamilton, Hartford, Conn.

2354— *Chains (Manganese)

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Taylor-Wharton Iron & Steel Co. (Steel), High Bridge, N. J.

2355— Chains (Marine)

Carroll Chain Co., Columbus, O. *See adv index at end of book*
Columbia Leather Co., 43 South
Cleveland Chain & Mfg. Co. (The), Cleveland, Ohio *See adv index at end of book*
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Fisher C. W., 52H Bway, New York
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Larkin J. M. & Co., 253 Bway, New York *See adv index at end of book*
Lebanon Chain Works, Lebanon, Pa.
National Malleable Castings Co., 10606 Quincy av, Cleveland, Ohio
Topping Bros., 156 Varick, New York *See adv index at end of book*
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa. *See adv index at end of book*
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2356—Chains (Mining Machine)

Carroll Chain Co., Columbus, O. *See adv index at end of book*
Chain Belt Co., 746 Park, Milwaukee, Wis. *See adv index at end of book*
Cleveland Chain & Mfg. Co. (The), Cleveland, Ohio *See adv index at end of book*
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
DIAMOND CHAIN & MFG. CO., 502 Kentucky Av, Indianapolis, Ind. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O. *See adv index at end of book*
Lebanon Chain Works, Lebanon, Pa.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Union Chain & Mfg. Co., Sandusky, O.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa. *See adv index at end of book*
Woodhouse Wm. Chain Mfg. Co., Edgely Bucks Co., Pa.

2357—*Chains (Motorcycle)

Diamond Chain & Mfg. Co., 502 Kentucky av, Indianapolis, Ind. *See adv index at end of book*
Duckworth Chain & Mfg. Co., 41 Mill H, Springfield, Mass.

2358—*Chains (Noiseless Belt Drive)

Boston Gear Works, Norfolk Downes, Quincy, Mass. *See adv index at end of book*
Howe Chain Co., Muskegon, Mich.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Union Chain & Mfg. Co., Sandusky, O.

2359— Chains (Padlock)

Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn. *See adv index at end of book*
Chain Products Co. ("Bulldog" & "Hodell"), 3924 Cooper av, Cleveland, O.
Corbin Screw Corp., New Britain, Conn.
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa. *See adv index at end of book*

2360— Chains (Pipe Hanger)

American Chain Co., 929 Connecticut, Bridgeport, Conn.
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn. *See adv index at end of book*
Chain Products Co. ("Bulldog"), 3924 Cooper av, Cleveland, O.
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa. *See adv index at end of book*

2360a—*Chains (Platform Guard)

Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn. *See adv index at end of book*

2361— Chains (Plumbers')

See also Chains, Jack

Acme Mfg. Co., Waterbury, Conn.
American Brass & Copper Co., 188 Lafayette, New York
Bead Chain Mfg. Co., Mt. Grove, Bridgeport, Conn.
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn. *See adv index at end of book*
Chain Products Co. ("Cepeco"), H, E Cooper av, Cleveland, Ohio
Corbin Screw Corporation, New Britain, Conn.
Hatheway Mfg. Co. ("Duplex"), Bridgeport, Conn.
Hendryx A. B. Co., 86 Audobon, New Haven, Conn. *See adv index at end of book*



"HENDRYX"
Standard Steel and Brass
PLUMBERS CHAIN
Made of flat metal and solid links to run over pulleys or rollers. Adapted for plumbers use.
Manufactured by
The Andrew B. Hendryx Co
New Haven, Conn.



Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Jencks E. Mfg. Co. ("Universal" Double Jointed), 28 Union, Worcester, Mass.
Klipstein A. & Co. ("Bemanco"), 644 Greenwich, N. Y.
Mattatuck Mfg. Co., Waterbury, Conn.
Parker Wire Goods Co., Worcester, Mass
Plume & Atwood Mfg. Co., Waterbury, Conn.
Rome Mfg. Co., Rome, N. Y.
Russell J. M. Mfg. Co., Naugatuck, Conn.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y. *See adv index at end of book*
Turner & Seymour Mfg. Co., Torrington, Conn.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Washburn Co. (Wire Goods Div.), 28 Union, Worcester, Mass.

2362— Chains (Porch Swing)

American Chain Co., 929 Connecticut, Bridgeport, Conn.
BRIDGEPORT CHAIN CO., 1000 Crescent av, Bridgeport, Conn. *See adv index at end of book*
Chain Products Co. ("Bulldog," "Samson"), H, E Cooper av, Cleveland, Ohio
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Cleveland Chain & Mfg. Co. (The), Cleveland, Ohio *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Ney Mfg. Co., Canton, Ohio
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa. *See adv index at end of book*

2363— Chains (Pot)

HENDRYX A. B. CO. (Flower Pot), 86 Audobon, New Haven, Conn. *See adv index at end of book*
Parker Wire Goods Co., Worceser, Mass.
Turner & Seymour Mfg. Co., Torrington, Conn.
Washburn Co. (Wire Goods Div.), ("King's-2-Ring"), 28 Union, Worcester, Mass.
Wire Hardware Co., 6126 S La Salle, Chicago, Ill.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Woods-Sherwood Co. ("Sensible," "King," 2 Ring and 2 Ring Glove, etc.), 28 Union, Worcester, Mass.

2364—Chains (Power Transmission)

(Names with * also manufacture Monel Metal)

Allis-Chalmers Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
American High Speed Chain Co. (High Speed Silent), 225 E South, Indianapolis, Ind.
Badger Malleable & Mfg. Co., S Milwaukee, Wis.
Baldwin Chain & Mfg. Co. ("Baldwin," Drive), 199 Chandler, Worcester, Mass.
*Beckley Perforating Co., Garwood, N. J.
Boland Machine & Mfg. Co., 1006 Tehoupitoulas, New Orleans, La.
Boston Gear Works, Norfolk Downes, Quincy, Mass. *See adv index at end of book*
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
CHAIN BELT CO., 746 Park, Milwaukee, Wis. *See adv index at end of book*
*Cleveland Wire Cloth Co., Cleveland, O.
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*

(Continued on following page)

DIAMOND
Chains and Sprockets
For Transmission of Power

Diamond chains provide positive, flexible, efficient drives for machinery, covering wide ranges of speeds and loads. Some models will transmit as high as 125 H.P. at 330 R.P.M. or less and others will transmit light loads at speeds as high as 3800 R.P.M. They are designed according to approved standards and are interchangeable with different makes of chains over the same sprockets.

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Makers of High Grade TRADE MARK *Chains Since 1890*



No. 103 Block Chain
Block Chains—Figure 8 and B shaped blocks
Sizes—Pitch, 1 inch; width, ⅜ to ½ inch



No. 433 Roller Chain
Roller Chains—Cotter-pin or riveted type
Sizes—Pitch, ⅝ to 2 inches; width, ⅛ to 1¼ inches

Chains (Power Transmission)—Cont.

DIAMOND CHAIN & MFG. CO., 502 Kentucky av, Indianapolis, Ind.
See adv index at end of book
Duckworth Chain & Mfg. Co., Springfield, Mass.
Grant Gear Works, Pearl & Purchase, Boston, Mass. *See adv index at end of book*
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
*Hendrick Mfg. Co., Carbondale, Pa.
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
HOWE CHAIN CO., Muskegon, Mich.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall st., New York. (See insert under Monel Metal)
See adv index at end of book
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
*Jelliff Mfg. Corp., C. O., Southport, Conn.
LINK-BELT COMPANY ("Link-Belt" Silent High Speed), 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
*Magosy & Buscher, 232 Canal, New York
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Michigan Sprocket Chain Co. (Riveted Drive), Delray, Detroit, Mich.
MORSE CHAIN CO., Ithaca, N. Y.
See adv index at end of book
Mundorf Chain Works, York, Pa.
*Munning & Co., A. P., Matawan, N. J.
Newhall Chain, Forge & Iron Co. (Automobile), 89 West, New York
Philadelphia Gear Works, East Vine, Phila., Pa.
Rhode Island Tool Co. (Drop Forged Link), Providence, R. I.
Rowe Calk & Chain Co., Plantsville, Conn.
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co., John P., New Haven, Conn.
*Steel Products Mfg. Co., Cicero, Ill.
Stephens-Adamson Mfg. Co. ("S.-A."), Aurora, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co., W. S., Cleveland, O.
Union Chain & Mfg. Co. (Stamped Steel), Sandusky, O.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill
See adv index at end of book
Whitney Mfg. Co. ("Whitney" Silent Type), H, Hamilton, Hartford, Conn.

2364a— Chains (Proof Coil)

Carroll Chain Co., Columbus, O.
See adv index at end of book
Cleveland Chain & Mfg. Co. (The), Cleveland, Ohio
See adv index at end of book
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

Chains (Pump)

See Chains, Galvanized Pump

2364b— Chains (Quarry)

Carroll Chain Co., Columbus, O.
See adv index at end of book
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Cleveland Chain & Mfg. Co. (The), Cleveland, Ohio
See adv index at end of book
Jeffrey Mfg. Co., 961 N Fourth, Columbus, O.
See adv index at end of book
Lebanon Chain Works, Lebanon, Pa.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Union Chain & Mfg. Co., Sandusky, Ohio
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2365— *Chains (Racking)

Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book

2366— Chains (Rafting)

American Chain Co., 929 Connecticut, Bridgeport, Conn.
Carr J. B. Woodhouse Co., Inc., Troy N. Y.
Carroll Chain Co., Columbus, O.
See adv index at end of book
Cleveland Chain & Mfg. Co. (The), Cleveland, Ohio *See adv index at end of book*
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Krein Mfg. Co., Wapakoneta, O.
Lebanon Chain Works, Lebanon, Pa.
Newhall Chain, Forge & Iron Co., 89 West, New York
Rowe Calk & Chain Co., Plantsville, Conn.
Seattle Chain & Mfg. Co., 6921 E Marginal way, Seattle, Wash.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
White Hill Chain Works, Fieldsboro, N. J.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2367— Chains (Railroad)

American Chain Co., 929 Connecticut, Bridgeport, Conn.
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Carr J. B. Woodhouse Co., Inc., Troy, N. Y.
Carroll Chain Co., Columbus, O.
See adv index at end of book
Chain Products Co. ("Bulldog," "Hodell," "Samson"), H, E Cooper av, Cleveland, Ohio
COLUMBUS McKINNON CHAIN CO., Columbus, O.
See adv index at end of book
Fisher C. W., 52H Bway, New York
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Larkin J. K. & Co., 253 Bway, New York
See adv index at end of book
Newhall Chain, Forge & Iron Co., 89 West, New York
O'Leary Arthur J. & Sons Co. (Crossing & Switch), 65th & S 57th av, Chicago, Ill.
Round D. & Son, Penn. R. R. & Henry, Cleveland, O. *See adv index at end of book*
Rowe Calk & Chain Co., Plantsville, Conn.
Taylor S. G. Chain Co., 140 S Dearborn, Chicago, Ill.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
White Hill Chain Works, Fieldsboro, N. J.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2367a— *Chains (Register)

Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book

2368— Chains (Rivetless)

Cross Engng. Co. ("Simplex"), Carbondale, Pa.
Union Chain & Mfg. Co., Sandusky, Ohio
Wilmot Engng. Co. ("Keystone"), Hazleton, Pa.

2369— Chains (Roller)

See also Chains, Steel Bushed Roller

Abell-Howe Co., 53 W Jackson, Chicago, Ill.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
DIAMOND CHAIN & MFG. CO., 502 Kentucky av, Indianapolis, Ind.
See adv index at end of book
Duckworth Chain & Mfg. Co., 41 Mill H, Springfield, Mass.
Howe Chain Co., Dept. H, Muskegon, Mich.
Jeffrey Mfg. Co., 961 N Fourth, Columbus, O. *See adv index at end of book*
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

2370— Chains (Safety)

See also Chains, Jack; also Chains, Plumbers'

Acme Mfg. Co., Waterbury, Conn.
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Chain Products Co. ("Cepeco"), H, E Cooper av, Cleveland, Ohio
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Corbin Screw Corporation, New Britain, Conn.
Hendryx A. B. Co., 86 Audobon, New Haven, Conn. *See adv index at end of book*



"HENDRYX"
Standard Steel and Brass
SAFETY CHAIN
for electrician's and plumber's use. Desirable for window sashes. Especially adapted for furnace connections.
Manufactured by
The Andrew B. Hendryx Co.
New Haven, Conn.



Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Krein Mfg. Co., Wapakoneta, O.
Mattatuck Mfg. Co., Waterbury, Conn.
Parker Wire Goods Co., Worcester, Mass.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Russell J. M. Mfg. Co., Naugatuck, Conn.
Steel Car Forge Co., Pittsburgh, Pa.; Works: Elwood City, Pa.
Turner & Seymour Mfg. Co., Torrington, Conn.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
White Hill Chain Works, Fieldboro, N. J.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Washburn Co. (Wire Goods Div.), 28 Union, Worcester, Mass.
Woodhouse Wm. Chain Mfg. Co. (For Safety Zones for Street Use), Edgely, Bucks Co., Pa.

2371— Chains (Sash)

Acme Mfg. Co., Waterbury, Conn.
American Chain Co. (Weldless, "American"), 929 Connecticut, Bridgeport, Conn.
Bridgeport Chain Co. ("Monarch Bronze"), 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Chain Products Co. ("Hodell"), 3924 Cooper av, Cleveland, O
Corbin Screw Corp., New Britain, Conn.
Diamond Chain & Mfg. Co., 502 Kentucky av, Indianapolis, Ind.
See adv index at end of book
Foster Mfg. & Supply Co., 19th & Venango, Phila., Pa.

"CARROLL" SOLID WELD STEAM SHOVEL CHAIN

"The Chain with a Conscience"

Longer Service **Fewer Repairs** **Increased Production**



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Anchor Chain, Railroad Chains

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COLUMBUS, OHIO

Manufacturers of Quality Welded Chain

Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Jencks E. Mfg. Co. ("Universal" Double Jointed), 28 Union, Worcester, Mass.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Morton Thomas (Bronze & Steel Cable), 245 Center, New York
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Parker-Kalon Corp. ("Parker-Kalon"), 362 W 13th, New York
Parker Wire Goods Co. ("Eureka"), Worcester, Mass.
Russell J. M. Mfg. Co., Naugatuck, Conn.
Smith & Egge Mfg. Co. ("Giant," "Red Metal"), Bridgeport, Conn.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Washburn Co. (Wire Goods Div.), 28 Union, Worcester, Mass.

2371a—*Chains (Sash Attachments for)

Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book

2372— Chains (Ship)

Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Carroll Chain Co., Columbus, O.
See adv index at end of book
Cleveland Chain & Mfg. Co. (The), Cleveland, Ohio *See adv index at end of book*
COLUMBUS McKINNON CHAIN CO., Columbus, O.
See adv index at end of book
Fisher C. W., 52H Bway, New York
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Lebanon Chain Works, Lebanon, Pa.
National Malleable Castings Co., 10606 Quincy av, Cleveland, Ohio
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Williams & Wells Co., 253 Fulton, New York *See adv index at end of book*
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2373— Chains (Sign)

Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Chain Products Co. ("Bulldog," "Samson," "Hodell," "Cepeco"), H, E Cooper av, Cleveland, Ohio
Cleveland Chain & Mfg. Co. (The), Cleveland, Ohio *See adv index at end of book*
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
White Hill Chain Works, Fieldsboro, N. J.
Woodhouse Chain Works, Trenton, N. J.

2373a— Chains (Silent)

BOSTON GEAR WORKS, Norfolk Downs, Quincy, Mass.
See adv index at end of book
Howe Chain Co., Dept. H, Muskegon, Mich. N. Y.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Morse Chain Co. (Rocker Joint), Ithaca, N. Y.
See adv index at end of book

MORSE
SILENT CHAIN DRIVES

Used in all industries for transmitting power from ¼ to 5000 H.P. Chain speeds up to 1200 to 1600 ft. per min., sprocket speeds from 250 to 6000 R.P.M. Sprocket centers any reasonable distance, —usually from 12 to 120 in. Advantages are positive speed ratio, 98.6% to 99% constant efficiency, quiet operation at all speeds, any convenient distance between sprocket centers, little lubrication at infrequent intervals, unaffected by heat, cold, or moisture, long life, low up-keep cost.

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2145-30

Ramsey Chain Co. Inc. ("Ramsey"), 1031 B'way, Albany, N. Y.
Whitney Mfg. Co. ("Whitney"), Hartford, Conn.

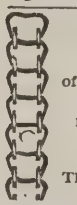
2374— Chains (Spreader)

Badger Malleable & Mfg. Co., So. Milwaukee, Wis.
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Chain Belt Co., Milwaukee, Wis.
See adv index at end of book
Chain Products Co. ("Bulldog"), 3924 Cooper av, Cleveland, O.
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Howe Chain Co., Dept. H, Muskegon, Mich.
Lebanon Chain Works, Lebanon, Pa.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Mundorf Chain Works, York, Pa.
Newhill Chain, Forge & Iron Co., 89 West, New York.
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Youngstown Pressed Steel Co., Warren, O.
See adv index at end of book

2375—Chains (Sprocket Wheel)

(Names with * also manufacture Monel Metal)

American Chain Co., 929 Connecticut, Bridgeport, Conn.
Badger Malleable & Mfg. Co. (Detachable), South Milwaukee, Wis.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
*Beckley Perforating Co., Garwood, N. J.
Boston Gear Works, Norfolk Downs, Quincy, Mass. *See adv index at end of book*
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Carroll Chain Co., Columbus, O.
See adv index at end of book
CHAIN BELT CO. (Detachable), 746 Park, Milwaukee, Wis.
See adv index at end of book
Chain Products Co. ("Samson"), H, E Cooper av, Cleveland, O.
Cleveland Chain & Mfg. Co. (The), Cleveland, Ohio *See adv index at end of book*
*Cleveland Wire Cloth Co., Cleveland, O.
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
DIAMOND CHAIN & MFG. CO., 502 Kentucky av, Indianapolis, Ind.
See adv index at end of book
Duckworth Chain & Mfg. Co., Springfield, Mass.
Gerdes & Co. Inc., 42 Church, New York
See adv index at end of book
GRANT GEAR WORKS, Pearl & Purchase, Boston, Mass.
See adv index at end of book
*Hendrick Mfg. Co., Carbondale, Pa.
Hendryx A. B. Co., 86 Audobon, New Haven, Conn. *See adv index at end of book*



"HENDRYX"
SPROCKET CHAIN
of brass or steel is adaptable to all light drives.
requiring accuracy of pitch
Manufactured by
The Andrew B. Hendryx Co.
New Haven, Conn.



Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
HOWE CHAIN CO., Muskegon, Mich.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall st, New York. (See insert under Monel Metal)
See adv index at end of book
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
*Jelliff Mfg. Corp., C. O., Southport, Conn.
Lebanon Chain Works, Lebanon, Pa.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Link Chain Co. ("Arrow" Detachable), Williamsport, Pa.
*Magosy & Buscher, 232 Canal, New York
Manumotors Co., Manitowoc, Wis.
Michigan Sprocket Chain Co., Delray, Detroit, Mich.
Moline Malleable Iron Co., St. Charles, Ill.
Moore & Moore Inc. (Detachable), Colonial Trust bldg, Reading, Pa.
*Munning & Co., A. P., Matawan, N. J.
Newhall Chain, Forge & Iron Co., 89 West, New York
Nicholson & Co. (Hand Made), Rankin, Pa.
Round D. & Son, Penn. R. R. & Henry, Cleveland, O.
See adv index at end of book
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co., John P., New Haven, Conn.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co., W. S., Cleveland, O.
Union Chain & Mfg. Co., Sandusky, O.
UNITED STATES CHAIN & FORGING CO., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
WEBSTER MFG. CO., 4500 Cortland, Chicago, Ill. *See adv index at end of book*
White Hill Chain Works, Fieldsboro, N. J.
Whitney Mfg. Co. ("Whitney"), H, Hamilton, Hartford, Conn.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2376— Chains (Steam Shovel)

See also Chains, Dredge
CARROLL CHAIN CO. ("Carroll"), Columbus, O.
See adv index at end of book

(Continued on following page)

Chains (Steam Shovel)—Continued

Cleveland Chain & Mfg. Co. (The), Cleveland, Ohio
See adv index at end of book
COLUMBUS McKINNON CHAIN CO. ("Hercules" Solid Weld), Columbus, O.
See adv index at end of book
Gerdes & Co. Inc., 42 Church, New York
See adv index at end of book
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Howe Chain Co., Muskegon, Mich.
Lebanon Chain Works, Lebanon, Pa.
Taylor S. G. Chain Co., 140 S Dearborn, Chicago, Ill.
United States Chain & Forging Co. ("Old Reliable," "XX"), Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Weimer Chain & Iron Co., Dept. H, Lebanon, Pa.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2376a— Chains (Steel)

Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Chain Products Co. ("Cleveland," "Bulldog," "Samson," "Hodell," "Cepeco"), H, E Cooper, Cleveland, O.
Diamond Chain & Mfg. Co. (Steel Roller), 502 Kentucky av, Indianapolis, Ind.
See adv index at end of book
Duckworth Chain & Mfg. Co., 41H Mill, Springfield, Mass.
Howe Chain Co., Muskegon, Mich.
Jeffrey Mfg. Co., 961 N Fourth, Columbus, O.
See adv index at end of book
LARKIN J. K. & CO., 253 Bway, New York *See adv index at end of book*
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Mundorf Chain Works, York, Pa.
Rowe Calk & Chain Co., Plantsville, Conn.
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book

2377—Chains (Steel Bushed Roller)

Baldwin Chain & Mfg. Co., 199 Chandler, Worcester, Mass.
Boland Machine & Mfg. Co. ("Boland" All Steel Roller), 1006 Tchoupitoulas, New Orleans, La.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Diamond Chain & Mfg. Co., 502 Kentucky av, Indianapolis, Ind.
See adv index at end of book
Dow Wire & Iron Works, Louisville, Ky.
Duckworth Chain & Mfg. Co., 41H Mill, Springfield, Mass.
HOWE CHAIN CO., Muskegon, Mich.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
Jones W. A. Foundry & Machine Co., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Michigan Sprocket Chain Co., Delry, Detroit, Mich.
Union Chain & Mfg. Co., Sandusky, O.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Whitney Mfg. Co. ("Whitney" Detachable or Riveted), H, Hamilton, Hartford, Conn.

2378— Chains (Stone)

Carr J. B. Woodhouse Co. Inc., Troy, N. Y.
Cleveland Chain & Mfg. Co. (The), Cleveland, Ohio
See adv index at end of book
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Howe Chain Co., Muskegon, Mich.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Newhall Chain, Forge & Iron Co., 89 West, New York
Pollard Jos. G. (Fitted with Steel Hooks), 141 Raymond, Brooklyn, N. Y.
Seattle Chain & Mfg. Co., 6921 E Marginal way, Seattle, Wash.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Weimer Chain & Iron Co., Lebanon, Pa.
White Hill Chain Works, Fieldsboro, N. J.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2379— Chains (Stone Conveyor)

Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Cleveland Chain & Mfg. Co. (The), Cleveland, Ohio
See adv index at end of book
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Howe Chain Co., Muskegon, Mich.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
Lebanon Drop Forging Co., Lebanon, Pa.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Union Chain & Mfg. Co., Sandusky, O.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

2379a—Chains (Straight & Twisted Link)

Fisher C. W. (Twisted), 52H Bway, New York
Union Chain & Mfg. Co., Sandusky, O.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2380— Chains (Stud Link)

American Chain Co., 929 Connecticut, Bridgeport, Conn.
Baldt Anchor & Chain Co., Chester, Pa.
Carroll Chain Co., Columbus, O.
See adv index at end of book
Cleveland Chain & Mfg. Co. (The), Cleveland, Ohio
See adv index at end of book
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Fisher C. W., 52H Bway, New York
Gerdes & Co. Inc., 42 Church, New York
See adv index at end of book
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Howe Chain Co., Muskegon, Mich.
Lebanon Chain Works, Lebanon, Pa.
National Malleable Castings Co., 10606 Quincy av, Cleveland, Ohio
Newhall Chain, Forge & Iron Co., 89 West, New York
Seattle Chain & Mfg. Co., 6921 E Marginal way, Seattle, Wash.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Weimer Chain & Iron Co., Dept. H, Lebanon, Pa.
White Hill Chain Works, Fieldsboro, N. J.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2380a— *Chains (Swing)

Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book

2380b— Chains (Switch)

Bridgeport Chain Co. (R.R.), 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Carr J. P. Co., Troy, New York
Cleveland Chain & Mfg. Co. (The), Cleveland, Ohio
See adv index at end of book
Taylor S. G. Chain Co., 140 S Dearborn, Chicago, Ill.
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa.

2381— Chains (Tie Out)

American Chain Co., 929 Connecticut, Bridgeport, Conn.
BRIDGEPORT CHAIN CO., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Chain Products Co. ("Bulldog"), H, E Cooper av, Cleveland, Ohio
Cleveland Chain & Mfg. Co. (The), Cleveland, Ohio
See adv index at end of book
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Mundorf Chain Works, York, Pa.
Ney Mfg. Co., Canton, Ohio
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Oneida Chain Co., Oneida, N. Y.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

Chains (Tire)

See Chains (Anti-Skid)

2381a— Chains (To Sample)

Carroll Chain Co., Columbus, O.
See adv index at end of book
Fisher C. W., 52H Bway, New York
Howe Chain Co., Muskegon, Mich.
Lebanon Chain Works, Lebanon, Pa.
Union Chain & Mfg. Co., Sandusky, O.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2382— Chains (Trace)

American Chain Co. ("El-Wel-Tra"), 929 Connecticut, Bridgeport, Conn.
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Carroll Chain Co., Columbus, O.
See adv index at end of book
Cleveland Chain & Mfg. Co. (The), Cleveland, Ohio
See adv index at end of book
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Imperial Bit & Snap Co., Racine, Wis.
Krein Mfg. Co., Wapakoneta, O.
Mundorf Chain Works, York, Pa.
Newhall Chain, Forge & Iron Co., 89 West, New York
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Nixdorff-Krein Mfg. Co., 900 Howard, St. Louis, Mo.
Round D. & Son, Penn R. R. & Henry, Cleveland, O.
See adv index at end of book
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2382a— Chains (Tractor)

Baldwin Chain & Mfg. Co., 199 Chandler, Worcester, Mass.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
DIAMOND CHAIN & MFG. CO., 502 Kentucky av, Indianapolis, Ind.
See adv index at end of book
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Howe Chain Co., Muskegon, Mich.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Rowe Calk & Chain Co. ("Prest-O-Grip") Plantsville, Conn.
Union Chain & Mfg. Co., Sandusky, O.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Whitney Mfg. Co. ("Whitney"), H, Hamilton, Hartford, Conn.

2383— Chains (Transfer)

Chain Products Co., 3924 Cooper av, Cleveland, O.
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Howe Chain Co., Muskegon, Mich.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Michigan Sprocket Chain Co., Delray, Detroit, Mich.
Moline Malleable Iron Co., St. Charles, Ill.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

2383a— Chains (Transmission)

Boston Gear Works, Norfolk Downes, Quincy, Mass.
See adv index at end of book
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Chain Products Co. ("Samson"), H, E Cooper av, Cleveland, Ohio
DIAMOND CHAIN & MFG. CO., 502 Kentucky Av, Indianapolis, Ind.
See adv index at end of book
Duckworth Chain & Mfg. Co., 41 Mill H, Springfield, Mass.
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Howe Chain Co., Dept. H, Muskegon, Mich.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Whitney Mfg. Co. ("Whitney"), H, Hamilton, Hartford, Conn.

2384— Chains (Transom)

Bridgeport Chain Co. ("Brown Weldless," "Triumph Weldless"), 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Chain Products Co. ("Samson," "Bulldog," "Hodell"), H, E Cooper av, Cleveland, Ohio
Champion Hardware Co., Geneva, O.
Corbin P. & F., New Britain, Conn.

HENDRYX A. B. CO., 86 Audobon, New Haven, Conn. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Ives H. B. Co., New Haven, Conn.
Payson Mfg. Co., 2918 W Jackson blvd, Chicago, Ill.
Reading Hardware Co., Reading, Pa.
Sargent & Co., New Haven, Conn.
Stanley Works, New Britain, Conn.

2385—Chains (Twisted-Link Coil)

Carroll Chain Co., Columbus, O.
See adv index at end of book
Cleveland Chain & Mfg. Co. (The), Cleveland, Ohio
See adv index at end of book
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2386— Chains (Wagon)

Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Carroll Chain Co., Columbus, O.
See adv index at end of book
Chain Products Co. ("Bulldog"), 3924 Cooper av, Cleveland, O.
Cleveland Chain & Mfg. Co. (The), Cleveland, Ohio
Columbus McKinnon Chain Co., Columbus, Ohio *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Krein Mfg. Co., Wapakoneta, O.
Larkin J. K. & Co., 253 Bway, New York
See adv index at end of book
Mundorf Chain Works, York, Pa.
Newhall Chain, Forge & Iron Co., 89 West, New York
Nixdorff-Krein Mfg. Co., 900 Howard, St. Louis, Mo.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
White Hill Chain Works, Fieldsboro, N. J.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., (Tailboard) Edgely, Bucks Co., Pa.

2387— Chains (Welded)

American Chain Co., 929 Connecticut, Bridgeport, Conn.
Blancke A. C. & Co., 602 So. Lake, Chicago, Ill.
Carroll Chain Co. ("Carroll Quality"), Columbus, Ohio
See adv index at end of book
Cleveland Chain & Mfg. Co., Cleveland, O.
See adv index at end of book

CHAIN
(WELDED)
For
Every Purpose
CLEVELAND
CHAIN & MFG. CO.
Henry & Broadway, Cleveland, O.

Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
INTERNATIONAL NICKEL COMPANY, THE (Heavy Monel Metal), 67 Wall st, New York. (See insert under Monel Metal)
See adv index at end of book
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
Kell C. N. (Heavy Monel Metal), 55 S Tremont, Pittsburgh, Pa.
Newhall Chain Forge & Iron Co., 90 West, New York
Rowe Calk & Chain Co. ("Diamond Quality") Plantsville, Conn.
Speidel Elevator Corp., Reading, Pa.
Union Chain & Mfg. Co., Sandusky, O.
United States Chain & Forging Co., Union Trust bldg., Pittsburgh, Pa.
See adv index at end of book
Weimer Chain & Iron Co., Dept. H, Lebanon, Pa.
White Hill Chain Works, Fieldsboro, N. J.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2388—Chains (Weldless Steel Wire)

American Chain Co., 929 Connecticut, Bridgeport, Conn.
Bridgeport Chain Co. ("Brown Weldless," "Triumph Weldless"), 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Chain Products Co. ("Bulldog," "Samson," "Hodell," "Cleveland," "Cepeco"), H, E Cooper av, Cleveland, Ohio
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book

2389— Chains (Well)

See also Chains, Galvanized Pump
American Chain Co., 929 Connecticut, Bridgeport, Conn.
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Chain Products Co. ("Bulldog," "Samson," "Cleveland"), H, E Cooper av, Cleveland, Ohio
COLUMBUS McKINNON CHAIN CO., Columbus, O.
See adv index at end of book
Garland Mfg. Co. (Also Swing), 1st Nat'l Bank bldg., W Pittsburgh, Pa.
Krein Mfg. Co., Wapakoneta, O.
Mundorf Chain Works, York, Pa.
Newhall Chain, Forge & Iron Co., 89 West, New York
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2390— Chains (Windmill)

Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Chain Products Co. ("Bulldog"), 3924 Cooper av, Cleveland, O.
COLUMBUS McKINNON CHAIN CO., Columbus, O.
See adv index at end of book
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Krein Mfg. Co., Wapakoneta, O.
Union Chain & Mfg. Co., Sandusky, O.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
White Hill Chain Works, Fieldsboro, N. J.
Woodhouse Chain Works, Trenton, N. J.

2390a—Chains (Wire & Stamped Metal)

American Chain Co., Inc. (Monel Metal), Bridgeport, Conn.
Bridgeport Chain Co. (Monel Metal), Bridgeport, Conn.
Hendryx Co., Andrew B. (Monel Metal), New Haven, Conn.
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall st, New York. (See insert under Monel Metal)
See adv index at end of book

2391— Chains (Wrecking)

American Chain Co., 929 Connecticut, Bridgeport, Conn.
Carr J. B. Woodhouse Co. Inc., Troy, N. Y.
Carroll Chain Co., Columbus, O.
See adv index at end of book
Cleveland Chain & Mfg. Co. (The), Cleveland, Ohio
See adv index at end of book
COLUMBUS McKINNON CHAIN CO., Columbus, O. *See adv index at end of book*
Fisher C. W., 52H Bway, New York
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
Lebanon Chain Works, Lebanon, Pa.
Mundorf Chain Works, York, Pa.
Newhall Chain, Forge & Iron Co., 89 West, New York
Round D. & Son, Penn R. R. & Heenry, Cleveland, O.
See adv index at end of book
Rowe Calk & Chain Co., Plantsville, Conn.
Taylor S. G. Chain Co., 140 S Dearborn, Chicago, Ill.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Weimer Chain & Iron Co. (Hand Made), Lebanon, Pa.
White Hill Chain Works, Fieldsboro, N. J.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2391a—Chains (Wrought Iron)

Bethlehem Steel Co., Bethlehem, Pa.
Carroll Chain Co., Columbus, O.
See adv index at end of book
Fisher C. W., 52H Bway, New York
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Lebanon Chain Works, Lebanon, Pa.
Taylor S. G. Chain Co. (Boom Switch & Towing), 140 S Dearborn, Chicago, Ill.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Weimer Chain & Iron Co., Lebanon, Pa.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

2391b — Chains & Buckets (Malleable)

Abell-Howe Co., 58 W Jackson, Chicago, Ill.
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Howe Chain Co., Muskegon, Mich.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
Link-Belt Company, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Moore & More Inc. (Dirs., Iron Sprockets), H, Colonial Trust bldg, Reading, Pa.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

2391c—Chains and Hooks (Tourniquet)

Hendryx A. B. Co., 86 Audobon, New Haven, Conn. *See adv index at end of book*

"HENDRYX"
TORNIQUET CHAINS WITH HOOKS
All Nickel Plated.
Used as a surgical instrument to check hemorrhages.
Manufactured by
THE ANDREW B. HENDRYX COMPANY
New Haven, Conn.

Chair Cane

See Rattan & Reed Manufacturers

2392— Chairs (Barbers')

Archer Mfg. Co., Rochester, N. Y.
Barker Jas., 6th & Cayuga, Phila., Pa.
Hanson Louis Co., 1500 N Kostner av, Chicago, Ill.
Undeland A. L., Omaha, Neb.

Chairs (Bootblack)

See Chairs, Shoe Shining

Chairs (Cast Iron)

See Fountains, Vases, Etc.; also Settees & Chairs, Iron

2393—Chairs (Combination Step Ladder)

Austell Swing & Ladder Co. ("Miller"), Austell, Ga.
Bent S. & Bros., Gardner, Mass.
Clark J. R. Co., 2nd av N & Aldrich, Minneapolis, Minn.
Hartwig & Kemper, 405 W. Barre, Baltimore, Md.
Heywood Bros. & Wakefield Co., Gardner, Mass.
Independent Chair Co., 32 Pitts, Boston. Mass.
Kauffman Mfg. Co., Ashland, O.
Lattimer W. H. & Sons, Orwell, N. Y.
Lewisburg Chair Co., Lewisburg, Pa.
Nichols & Stone Co., Gardner, Mass.
Penn Swing & Ladder Co., Lancaster, Pa.
Steinfeld Bros., 116 W 32d, New York
Stiles H. A. & Co. (Folding), 166-174 Portland, Boston, Mass.
See adv index at end of book
Stokes Wm. A. & Co., 50 Howard, New York
Teepe J. Chas. Inc., Mott & Vernon aves, Long Island City, N. Y.
Udell Works, Indianapolis, Ind.
Waite Chair Co., Baldwinsville, Mass.

2394— Chairs (Dental)

Archer Mfg. Co., Rochester, N. Y.
Harvard Co., 2206 13th N E, Canton, O.
RITTER DENTAL MFG. CO. INC., ("Ritter"), Rochester, N. Y.
White S. S. Dental Mfg. Co., 211 S. 12th, Phila., Pa.

2395— Chairs (Folding)

Burrowes E. T. Co. ("Burrowes Feather Weight"), 68 Free, Portland, Me.
Chicago Wire Chair Co. (Metal Frame), 619 N La Salle av, Chicago, Ill.
Crocker Chair Co., Sheboygan, Wis.
Curtiss Bros. (Camp), Richland, N. Y.
Ford-Johnson Chair Co., 801 S. Wabash av, Chicago, Ill.
Gold Medal Camp. Furn. Mfg. Co. ("Gold Medal"), 1700 Rickard av, Racine, Wis.
Harrison B. J. Mfg. Co. (Camp), Arkville, N. Y.
Hartwig & Kemper, 405 W. Barre, Baltimore, Md.

(Continued on following page)

Chairs (Folding)—Continued

Hettrick Mfg. Co. (Canvas), Toledo, O.
Hincher Mfg. Co., Washington, Ind.
Horst Bros., 139 N 6th, Phila., Pa.
Imperial Bit & Snap Co. (Steel Auto), Racine, Wis.
Kalamazoo Sled Co., Kalamazoo, Mich.
Lattimer W. H. & Sons (Canvas), Orwell, N. Y.
Moore Mfg. Co., Springfield, Mo.
Peabody School Furniture Co., North Manchester, Ind.
Phoenix Chair Co., Sheboygan, Wis.
Pick Albert & Co., 212 W Randolph, Chicago, Ill.
Readsboro Chair Co. (& Tables), Readsboro, Vt.
Rowles E. W. A. Co., 2345 S La Salle, Chicago, Ill.
Simmons Co., Kenosha, Wis.
Standard Mfg. Co. ("Spiceland"), Cambridge City, Ind.
Steinfeld Bros. (Also Folding Hammock Swinging Chairs), 116 W 32nd, New York
Stevens Chair Co. (Adjustable), 209 7th, Pittsburgh, Pa.
Sun Mfg. Co. (Camp & Lawn), Columbus, Ohio
Taylor Mfg. Co. (Flat), Princeton, Ind.
Teepe J. Chas. Inc., Mott & Vernon aves, Long Island City, N. Y.
Tucker Duck & Rubber Co. ("Peerless"), Ft. Smith, Ark.
Welch W. M. Scientific Co., 1516 Orleans, Chicago, Ill.
Zieg F. B. Mfg. Co., Frederickstown, Ohio

2396— Chairs (Invalid)

See also Chairs, Reclining

Am. Nat'l Co., Toledo, Ohio
Bernstein Mfg. Co. (Metal Reclining & Rolling, etc.), 3rd & Allegheny, Phila. Pa.
Bloch Go-Cart Co., 1136 N American, Phila., Pa.
Bomgardner Mfg. Co., 1384 Hird av, Cleveland, O.
Child G. F. Chair & Wheel Co., 1753 W Van Buren, Chicago, Ill.
COLSON CO. (THE), ("Colson"), Elyria, Ohio
See adv index at end of book
Eames Co., 920 Howard, San Francisco, Cal.
Ford-Johnson Chair Co. ("Curtis"), 801 S. Wabash, Chicago, Ill.
Gendron Wheel Co. ("Gendron"), Toledo, O.
Hartwig & Kemper, 405 W. Barre, Baltimore, Md.
Kalamazoo Sled Co. (Rocking & Reclining), Kalamazoo, Mich
Knauth Bros., 84 5th av, New York
Toledo Metal Wheel Co., Toledo, Ohio

2396a—Chairs (Iron and Canvas)

Cheney S. & Son (Iron), Manlius, N. Y.
Haggard & Marcusson Co., 1109 W 37th, Chicago, Ill.
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Tucker Duck & Rubber Co. ("Peerless"), Ft. Smith, Ark.

2397— Chairs (Metal)

Andrews A. H. Co., 107 S Wabash av, Chicago, Ill.
Buffalo Metal Furniture Mfg. Co., Buffalo, N. Y.
Celina Specialty Co., Celina, O.
Chicago Wire Chair Co. (Chairs, Tables, Stools, etc.), 619 N La Salle av, Chicago, Ill.
Cleveland Wire Spring Co., 1281 E. 38th, Cleveland, O.
Ford-Johnson Chair Co. (Wire Chairs & Tables), 801 S. Wabash, Chicago, Ill.
Manufacturing Equipment & Engineering Co. ("Meeco" Chairs, Stools, Tables, etc.), Framingham, Mass.
Royal Metal Mfg. Co. (Metal Chairs, Tables & Stools of Twisted Metal), 2318 S Western av, Chicago, Ill.

2398— Chairs (Pipe)

Grinnell Co. Inc., 275 W Exchange, Providence, R. I.

2399— Chairs (Rail)

Columbiana Boiler Co., Columbiana, O.
Lorain Steel Co. (Drop Forged, Used Under Shallow Girder or Tee Rails in Paved Streets), Johnstown, Pa.
Morden Frog & Crossing Works (Head Chairs), 208 S La Salle, Chicago, Ill.
Pettibone, Mulliken & Co. (Sampson Head Chairs), 140 S Dearborn, Chicago, Ill.
Q & C. Co., 90 West, New York
Weir Frog Co. (Foreign Dept.), 43 Cedar, New York
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.

Chairs (Rattan)

See Furniture, Rattan & Reed

2400— Chairs (Reclining)

See also Chairs, Invalid

Bernstein Mfg. Co. (Self-Propelling), 3rd & Allegheny, Phila., Pa.
Child G. F. Chair & Wheel Co., 1753 W Van Buren, Chicago, Ill.
Ford-Johnson Chair Co. ("Curtis"), 801 S. Wabash av, Chicago, Ill.
Hartwig & Kemper, 405 W. Barre, Baltimore, Md.
Hubbard Eldredge & Miller, Rochester, N. Y.
Kalamazoo Sled Co., Kalamazoo, Mich.
Morse F. W. ("Morse" Comfort), 2nd & Alexander, San Fernando, Cal.
Phoenix Chair Co., Sheboygan, Wis.
Royal Chair Co., Sturgis, Mich.
Steinfeld Bros. (Porch Comfort, also Swinging), 116 W 32nd, New York
Stevens Chair Co., 209 7th, Pittsburgh, Pa.

2401-2— Chairs (Revolving)

Bent S. & Bros., Gardner, Mass.
Bodenstein & Kuemmerle, Lawrence & Girard, Phila., Pa.
Cleveland Fixture Co., 1305 E. 40th, Cleveland, O.
Columbus Aseptic Furniture Co., Columbus, Ohio
Cook C. A. Co. ("Quality" Office & Typewriter), Cambridge, Mass.
Crocker Chair Co., Sheboygan, Wis.
Crown Chair Co., Fulton av & Belt, Evansville, Ind.
Culler Furniture Co., Williamsport, Pa.
Davis Chair Co. (Office & Typewriter), Marysville, O.
Dunn Jno. A. Co., Gardner, Mass.
Ehlers Robert J. Co., 469 7th av, New York
Fort Smith Chair Co., Fort Smith, Ark.
Gunlocke W. H. Chair Co., Wayland, N. Y.
Hale Co., 68 William, New York
Hartwig & Kemper, 405 W. Barre, Baltimore, Md.
Heywood Bros. & Wakefield, Gardner, Mass.
Karpen S. & Bros., 636 W 22nd, Chicago, Ill.
Kohn Jacob & Josef, 402 W 27th, New York
Logeman F. H. Chair Mfg. Co., 10th & Mullanphy, St. Louis, Mo.
Marble B. L. Chair Co., Bedford, O.
Marble & Shattuck Chair Co., 96 Foster, Cleveland, Ohio.
Marietta Chair Co., Marietta, O.
Milwaukee Chair Co., 3022 Center, Milwaukee, Wis.
Murphy Chair Co. (Office), D. G. H. & M. Jct., Detroit, Mich.
Phoenix Chair Co., Sheboygan, Wis.
Pierce S. K. & Son, Gardner, Mass.
Poughkeepsie Chair Co., Poughkeepsie, N. Y.
Retting Furniture Co., Grand Rapids, Mich.
Rossell Bros. & Co., 255 S 3d, Phila., Pa.
Royal Metal Mfg. Co., 2318 S Western av, Chicago, Ill.
Sikes Co., 23d & Passyk. av, Phila., Pa.
Sikes Consolidated Chair Co., 30 E 42d, New York
Southern Chair Co., High Point, N. C.
Suitt Bros. Mfg. Co., Cambridge, O.
Taylor Chair Co. (Office), Bedford, O.
Thonet Bros., 393 Madison av, New York
Toledo Metal Furniture Co. (Typewriter), Toledo, O.
Tonk Mfg. Co., 1960 Lewis, Chicago, Ill.
Union City Chair Co., Union City, Pa.
Webster Mfg. Co., Superior, Wis.
Welch W. M. Scientific Co., 1516 Orleans, Chicago, Ill.
White River Chair Co., Brattleboro, Vt.

2403— Chairs (Shoe Shining)

Archer Mfg. Co., Rochester, N. Y.
Buffalo Metal Furniture Mfg. Co. ("Universal"), Buffalo, N. Y.

2404— Chairs (Steamer)

See also Chairs, Reclining

Dillingham Mfg. Co., Sheboygan, Wis.
Harrison B. J. Mfg. Co., Arkville, N. Y.
Hartwig & Kemper, 405 W Barre, Baltimore, Md.
Heywood Bros & Wakefield Co., Gardner, Mass.
Mahoney E. H. Chair Co., Gardner, Mass.
Phoenix Chair Co., Sheboygan, Wis.
Readsboro Chair Co., Readsboro, Vt.
Sun Mfg. Co., Columbus, O.

Chairs (Steel)

See Stools, Steel Factory & Office

Chairs (Step Ladder)

See Chairs, Combination Step Ladder

2405— Chalk (Billiard)

American Crayon Co. (White & Colored, "Diamond," "Eureka"), 1300 Hayes av, Sandusky, O.
Spinks Wm. A. & Co., 362 W Erie, Chicago, Ill.

2406— Chalk (Bowling)

American Crayon Co. (Hand & Foot), 1300 Hayes av, Sandusky, O.

2407-8— Chalk (Carpenters')

Adams, D. C. Crayon Co., 125 Market, St. Louis, Mo.
American Crayon Co., 1300 Hayes av, Sandusky, O.
Binney & Smith Co., 41 E 42nd, New York

2409— Chalk (Precipitated)

Anderson-Hillier Co. Inc. (Imp.), 73 Hudson, New York
Chrystal Chas. B. Co. Inc. (Imp. English), 13 Cliff, New York
See adv index at end of book
Doggett Stanley, 11 Cliff, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Hammill & Gillespie (Imp.), 240 Front, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
INDUSTRIAL CHEMICAL CO. (Extra Light, Light & Heavy Grades), 1414 Fifth Av bldg, New York
See adv index at end of book


EXTRA LIGHT
Precipitated Chalk
Industrial Chemical Co.
1414 Fifth Avenue Bldg.
NEW YORK CITY

Knappmann Wm. & Co., 1105 Metropolitan av, Brooklyn, N. Y.
Palmer Lowell M. Chemical Co., 78 Beekman, New York
Product Sales Co., Equitable bldg, Baltimore, Md.
Salomon L. A. & Bro., 216 Pearl, New York
TAINTOR TRADING CO. INC. (Imp.), 21 State, New York
Thomas Mfg. Co. (English), 117 W Camden, Baltimore, Md.
Wagner Chas. A. Co. Inc., 810 Noble, Phila, Pa.
Whittaker Clark & Daniels, Inc. (Imp), 50 Front, New York

2410—Chalk & Cliffstone (Block)

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Higman Jno. W. Co. (In Bulk, Imp.), 29 B'way, New York.
TAINTOR TRADING CO. INC. (Importers), 21 State, New York
Whitney J. F. & Co. (Imp.), 3H Bridge, New York

2411—Chalk & Masons' Lines

Ashaway Line & Twine Mfg. Co., Ashaway, R. I.
Brownell Co., Moodus, Conn.
Draper W. H. & Sons. (Also Fish Lines), Troy, N. Y.
Gladding B. F. & Co. Also Cotton, Linen & Silk Fish Lines), S Otselic, N. Y.
Lees Mfg. Co. ("Favorite"), Westport, Conn.
Samson Cordage Works, 88 Broad, Boston, Mass.
Silver Lake Co. ("Silver Lake"), Newtonville, Mass.
Tennessee Line & Twine Co., Elizabethton, Tenn.
Turner & Stanton Co., Norwich, Conn.

2412— Chambers (Air)

Buckeye Iron & Brass Works (Pump, Plumbers, etc.), 322 East Third, Dayton, O. *See adv index at end of book*
Bucyrus Copper Kettle Works Co. (The), Bucyrus, O. *See adv index at end of book*
Engelhard Frank & Sons (Copper), 200 Franklin, Springfield, Mass.
Hamilton Copper & Brass Works, Hamilton, Ohio.
Hercules Float Wks ("Hercules" Seamless Copper), 200 Franklin, Springfield, Mass.
Naugatuck Mfg. Co. (Seamless Copper), Naugatuck, Conn.
Pacific By-Products Co., San Jose, Cal.
Zero Valve & Brass Mfg. Co., 643 4th, Buffalo, N. Y.

Chambers (Vacuum Drying)

See Vacuum Drying & Impregnating Apparatus

2413— Chamois

Am. Sponge & Chamois Co., 47 Ann, New York
Bloch Joseph, 51 Cliff, New York.
Blum R., 112 High, Boston, Mass.
Burk W. B. & Co., 6th & Arch, Phila., Pa.

Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.
de Macedo & Wood, 428 Sansom, Philadelphia, Pa.

de Macedo & Wood
428 Sansom St., PHILADELPHIA
IMPORTERS OF
Fine French Chamois
Sole Agents in the U. S. A. for
L. DANOT & CIE., of Nantes, FRANCE

Drueding Bros. Co., 5th & Master, Philadelphia, Pa.
Greek-American Sponge Co., 300 W Randolph, Chicago, Ill.
Isaacs A. & Co., 58 Beekman, New York
Lampel F. L. (Imported), 315 Locust, St. Louis, Mo.
Lasker & Bernstein ("Red Seal"), 23 Beekman, New York
Leousi, Clonney & Co., 39 Walker, New York
Moses A. Sons & Co., 112 Murray, New York
Nassau Sponge Co. (Skins), 234 W Lake, Chicago, Ill.
National Sponge & Chamois Co., 158 William, New York
Niehaus Jos. Co., 341 W 4th, Cincinnati, O.
Popper-Addison Co., 118 E Court, Cincinnati, O.
Republic Tanning Co. (Skins), 2301 S Paulina, Chicago, Ill.
White Son Co., 540 Atlantic av, Boston, Mass.
Young Richard Co., 36 Spruce, New York

2413a— Chandlery (Ship)

Bayside Hardware Co., Everett, Wash.
Beebe Co., 1st & Washington, Portland, Ore.
Carlon, F. K., Inc., Norfolk, Va.
CARPENTER & CO., GEO. B., 434 N Wells st, Chicago, Ill.
See adv index at end of book
Cunningham Hdwe. Co., 6 S Commerce, Mobile, Ala.
Eclipse Engrg. Co. Inc., 321 Chartres, New Orleans, La.
Flood & Calvert, 2320H Strand, Galveston, Tex.
Jacksonville Ship Chandlery Co., 239 E Bay, Jacksonville, Fla.
Jenkins V. S. Co., 301 Railroad av, S Seattle, Wash.
Manion & Sunde Co., 1009 A, Tacoma, Wash.
Marine Stores Corpn., Norfolk, Va.
Marine Stores Co., Pier 1, Seattle, Wash.
Muller, J. C., Stapleton, Staten Island, N. Y.
Oregon Marine & Fisheries Supply Co., 105 1st, Portland, Ore.
Pacific Net & Twine Co., 1213 Western av, Seattle, Wash.
Portland Marine Supply Co., 229 Ankeny, Portland, Ore.
Reyner J. & Son, Inc., Newport News, Va.
Sunde & D'Evers Co., Colman Dock, Seattle, Wash.
Swett C. T. Co., 130H Commercial, Portland, Me.
Thacher Propeller & Foundry Corp., Albany, N. Y.
Upson Walton Co., 1294 W 11th, Cleveland, Ohio
Weeks Howe Emerson Co. (Dirs.), 90H Market, San Francisco, Cal.
Williams & Wells Co., 253 Fulton, New York *See adv index at end of book*
Wing R. B. & Son Corp., 384 B'way, Albany, N. Y.
Woodward, Wight & Co., Ltd., Howard av & Constance, New Orleans, La.

Changers (Lamp)

See Replacers, Incandescent Lamp

2414-15— Changers (Pole)

Cameron Appliance Co. ("Roberts"), Everett, Mass.
Kellogg Switchboard & Supply Co., 1066 W Adams, Chicago, Ill.
Warner Electric Co., Muncie, Ind.

2416— Chaplets (Foundry)

See also Foundry Facings & Supplies

Angell Nail & Chaplet Co., 2657 E. 79th, Cleveland, O.
Burdick & Son (Core), Albany, N. Y.
Cheney S. & Son ("Erie" Grey Iron), Manlius, N. Y.
Cleveland Chaplet & Mfg. Co., 1197 W. 67th. N. W. Cleveland, O.
COMBINED SUPPLY & EQUIPMENT CO. INC. ("Angle Stem" & "Double Angle"), 766-772 Grant av, Buffalo, N. Y.
Crescent Brass & Pin Co., 5766H Trumbull, Detroit, Mich.
Fanner Mfg. Co. (Radiator, Wrought Iron, etc), Cleveland, O.
Gem Mfg. Co., Goebel nr. Fulton, N. S., Pittsburgh, Pa.
See adv index at end of book
Hill & Griffith Co. ("Haskins" Ventilated, "Peerless" Perforated), 1248 State av, Cincinnati, O. & Birmingham, Ala., Chicago, Ill.
See adv index at end of book
Hohlfelder F. Co., 1197 W. 67th, Cleveland, O.
Lindsay Chaplet & Mfg. Co. ("Lindsay"), Harrison bldg, Phila., Pa.
Lovejoy C. H. Chaplet Co. ("Lovejoys" Tin Shell), Cambridge, N. Y.
McCormick J. S. Co., 25th & A. V. R. R., Pittsburgh, Pa.
Obermayer, S. Co., 2563 W. 18th, Chicago, Ill.
Patent Specialty Supply Co., Cambridge, N. Y.
Pawtucket Mfg. Co., Pawtucket, R. I.
Philadelphia Chaplet & Mfg. Co., School la & P & R Ry, Wiss, Phila., Pa.
Shanafelt Mfg. Co., Canton, O.
United States Chaplet & Supply Co. (Tin Shell, Wrought Iron, Hinge Tubes, etc), 140 Cedar, New York

2417— Chaplets (Radiator)

Crescent Brass & Pin Co. (Double Head Chaplets), 1150 Trumbull, Detroit, Mich.

2418— Char Filters & Kiln

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Joubert & Goslin Machine & Fdry. Co., Birmingham, Ala.
Kilby Mfg. Co., 4623 Lakeside av, Cleveland, O.
Squier Geo. L. Mfg. Co., Buffalo, N. Y.
Steacy-Schmidt Mfg. Co., York, Pa.

2419— Charcoal

Alabama Charcoal Co., 1303 Waldheim bldg, Kansas City, Mo.
Ballard J. W. Co., Binghamton, N. Y.
Barnitz Geo. A., York, Pa.
Bell & Gossett (Leather), 609 W. 30th, Chicago, Ill.
Berger Bros., 1186 Cherry av, Chicago, Ill.
Boyne City Chemical Co., Boyne City, Mich.
Buckannon Chemical Co., Olean, N. Y.
Cadillac Chemical Co. (Retort), Cadillac, Mich.
California Charcoal Co., 311 California, San Francisco, Cal.
Chapman O. L. (Fruit Pit Charcoal) 2136 E 15th, Los Angeles, Cal.
Charcoal Supply Co. (Lump, Granulated & Powdered), 1186 Cherry av, Chicago, Ill.
Chemical Charcoal Co. (Chemical), 195 Fillmore av, Buffalo, N. Y.
Cleveland Cliffs Iron Co., Rockefeller bldg, Cleveland, O.
Clifford Bros., Ft. Wayne, Ind.
Cliffs Chemical Co., Goodman, Wis.
Coryville Chemical Co., Bradford, Pa.
Covey Durham Co. (Wholesale), 431 S Dearborn, Chicago, Ill.
Crescent Charcoal Co. (Lump), Columbiana, Ala.
Cummer-Diggins Co. (Retort), Cadillac, Mich.
Day Chemical Co., Westline, Pa.
Dixon Wm. (Blocks, Jewelers Soldering), 119 Fulton, New York
Doggett Stanley (Powdered), 11 Cliff, New York
DU PONT E. J. DE NEMOURS & CO. INC., Explosives & Smokeless Powder Depts (Hardwood & Willow), Wilmington, Del. *See adv index at end of book*
Eastwood Chemical Co., Belleville, N. J.
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Florida Wood Products Co., Jacksonville, Fla.
Forest Products Co., 1212 Whitney, New Orleans, La.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg., Cleveland, O.
See adv index at end of book
Imperial Charcoal Co. (Hardwood), 548 W 25th, New York
INDUSTRIAL CHEMICAL CO., 1414 Fifth Av bldg, New York
See adv index at end of book

CHARCOAL
Granular
Lump
Powdered
Industrial Chemical Co.
1414 Fifth Avenue Bldg.
NEW YORK CITY

James Mfg. Co., Kane, Pa.
Keery Thos. Co., Hancock, N. Y.
Kingsport Wood Reduction Co., Kingsport, Tenn.
Lewis Run Mfg. Co., Bradford, Pa.
McBride Jos. (Hardwood), 414 E 157th, New York
McCormick J. S. Co., 25th & A. V. R. R., Pittsburgh, Pa.
MacKellar's R. Sons Co. (Powdered & Granulated), Peekskill, N. Y.
Manufacturers' Charcoal Co., Bradford, Pa.
Marvindale Chemical Co., Bradford, Pa.
Maryland Wood Products Co., Bradford, Pa.
Maskek Chemical & Iron Co., Wells, Mich.
Mitchell-Diggins Iron Co., Cadillac, Mich.
Mt. Hope Chemical Charcoal Works, Mt. Hope, Pa.
Newman E. B. Charcoal Co. (Lump Pulverized & Granulated), 548 W 25th, New York
Newton Chemical Co., Olean, N. Y.
Noble Electric Steel Co., Mills bldg, San Francisco, Cal.
Norwich Chemical Co., Crosby, Pa.
Nusbaum Chemical Co., Bradford, Pa.
Oswayo Chemical Co., Bradford, Pa.
Pacific By-Products Co. ("Carbonut" for Poultry and Filtration), Sunol & San Salvadore, San Jose, Cal.
Pacific Guano & Fertilizer Co., 343 Sansome, San Francisco, Cal.
Perry-Hanna Mercantile Co., Beaty, Ark.
Phipps Charcoal Co. (Lump, Granulated & Powdered or Pulverized Hardwood), Ironton, Ohio
Rowand John R. (Re-carbonized, Pulverized & Granulated), Clementon, N. J.
Russell Chemical Co. (Ltd.), Russell, Pa.
Shimer & Co. Inc., 133H S 4th, Phila., Pa.
Smith A. B. Chemical Co., White bldg, Buffalo, N. Y.
Smith Oscar & Son (Chemical), Albany, N. Y.
Springfield Facing Co. (In Every Form), 315 Main, Springfield, Mass.
See adv index at end of book
Standard Charcoal Co., Bradford, Pa.
Sullivan Chemical Co., Acidalia, N. Y.
Treyz G. H. & Co., Press bldg, Binghamton, N. Y.
Union Charcoal Co., Straight, Pa.
Walnut Growers Spray Mfg. Co., 2412 E 57th, Los Angeles, Cal.
Weirton Steel Co., Weirton, W. Va.
Wiarda John C. & Co. (Powdered), 83 Provost, Brooklyn, N. Y.
See adv index at end of book
Wittig F. & Co. (Lump, Granulated & Powdered), 36th & Greenfield av, Milwaukee, Wis.
Wright T. B. & Co. (Granulated & Pulverized), Mariners' & Merchants' bldg, Phila., Pa.
Wyman Chemical Co. (Chemical), Port Allegheny, Pa.

2419a— Charcoal (Animal)

Baugh & Sons Co., 20 S. Delaware av, Phila., Pa.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*

2420— Charcoal (Bone)

Baugh & Sons Co. (Animal Charcoal), 20 S. Delaware av, Phila., Pa.
Binney & Smith Co., 41 E 42nd, New York
Empire Carbon Works, National Stock Yards, St. Louis, Mo.
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Pacific Bone Coal & Fertilizer Co., 485 California, San Francisco, Cal.
Seaver & Co., 3 Tremont row, Boston, Mass.

2420a— Charcoal (Wood)

Binney & Smith Co., 41 E 42nd, New York

2421—Charging Sets (Automobile)

Dayton Electrical Mfg. Co. ("Dayton"), Dayton, O.
Fore Elect. Mfg. Co., 5255 N. Market, St. Louis, Mo.
Lincoln Electric Co., Cleveland, O.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

2421a—Charging Sets (Storage Battery)

Acme Electric & Mfg. Co., 1444 Hamilton av, Cleveland, O.
Allen Bradley Co. (also Testing Equipment), 286 Greenfield av, Milwaukee, Wis.
Beacon Rectifier Co. Inc. ("Beacon"), Dept. H, Hyde Park, Mass.
Beacon Rectifier, Inc., Hyde Park, Mass.
Crocker-Wheeler Co., Ampere, N. J.
Eck Dynamo & Motor Co., Belleville, N. J.
Elect'l Testing Co., Peoria, Ill.
Ellington Elec. Co., Quincy, Ill.
GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book
Holtzer-Cabot Elec. Co., 125 Amory, Boston, Mass.
Ideal Elec. & Mfg. Co., Mansfield, O.
Independent Elec. Machy. Co., 1917 Central, Kansas City, Mo.
Industrial Electric Co. ("Industrial"), 1215 Santa Fe av, Los Angeles, Cal.
Jantz & Leist Electric Co., Cincinnati, O.
Kenrick & Davis Co., Lebanon, N. H.
Main Elec. Co. ("Main Light"), Cleveland, Ohio
Nat. Elec. Controller Co., 154 Whiting, Chicago, Ill.
Reliance Instrument Co., 1135 W Van Buren, Chicago, Ill.
Robbins & Myers Co., 1400 Lagonda av, Springfield, O.
Stahl Rectifier Co. ("Stahl Magfixer"), 1454 W Congress, Chicago, Ill.

(Continued on following page)

Charging Sets (Storage Battery)—Continued

Standard Electric Time Co. ("Standard," Automatic, Electrolytic, Hot Bulb or Motor Generator), Springfield, Mass.
Titan Engineering Co., Butler, Ind.
Valley Electric Co., 3157 S. Kingshighway, St. Louis, Mo.
Vesta Battery Corp., 2100 Indiana av, Chicago, Ill.

2422—Charts (Hydrographic)

Rupp Michael & Co. (Imp.), 112 Broad, New York

2422a— Chasers (Hand)

Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book

2423— Chasers (Pipe Tap)

Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book

2424— Chasers (Screw)

Brubaker W. L. & Bros., Millersburg, Pa.
Card S. W. Mfg. Co., Mansfield, Mass.
Geometric Tool Co. ("Geometric" Chaser or Die Grinder), New Haven, Conn.
Polk A. J. & Son Co., Millersburg, Pa.

2425— Chases (Printers')

American Steel Chase Co. (All Steel), 122 Centre, New York
Curle Mfg. Co. Inc. (All Steel Electric Weld), 429 Sacramento, San Francisco, Cal.

2426—Check Blanks (Brass)

Dickey Grabler Works, of the Bankers Savings & Credit System Co., W. Madison & 103rd, Cleveland, Ohio
Everitt Co., 267 Franklin, Boston, Mass.
See adv index at end of book
Niagara Falls Metal Stamping Works (Also Aluminum), Niagara Falls, N.Y.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Scovill Mfg. Co. (To Order Only), Waterbury, Conn. *See adv index at end of book*
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Time & Emery Co., 9 S Clinton, Chicago, Ill.
Waterbury Brass Goods Corp., Waterbury, Conn.
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
See adv index at end of book
Ziegler Mfg. Co., Alexandria, Ind.

2427— Check Perforators

Am. Perforating Co., Chicago, Ill.
Cummins Perforator Co., 4740 W Ravenswood av, Chicago, Ill.
New Era Mfg. Co., 476 Broadway, New York
Pritchard Stamping Co., Rochester, N. Y.
Stimpson Edwin B. Co. (large machines for Checkbooks, Stamps, etc.), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Wesley Mfg. Co., 31 Beekman, New York

2428— Check Protectors

Atwater S. I. ("Alligator"), 101 Lafayette, New York
Cummins Perforator Co., 4740 W Ravenswood av, Chicago, Ill.
Defiance Checkwriter Corp., Rochester, N. Y.
F. & E. Check Protecting System (Machines), 608 S Dearborn, Chicago, Ill.
Hedman Mfg. Co. ("F. & E."), 1158 Center, Chicago, Ill.
Hill-Independent Mfg. Co., High & P & R R, Phila., Pa.
Matthews James H. & Co., 3942 Forbes, Pittsburgh, Pa.
Perfection Check Protector Co. (Hand), Williamsport, Pa.
Roberts Numbering Machine Co., 706 Jamaica av, Brooklyn, N. Y.
TODD PROTECTOGRAPH CO. ("Protectograph" also "Protod Greenbac" Anti-Forgery Checks and Drafts), 1147 University av, Rochester, N. Y.

2428a— Checkers

See also Toys, Games & Novelties
BOGERT & HOPPER, INC. (Wooden), 57 Barclay, New York
See adv index at end of book
California Plow Co., 140 Polhemus, San Jose, Cal.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book
Waterbury Button Corporation (Ivory & Composition), 831 S Main, Waterbury, Conn. *See adv index at end of book*

2429— Checks (Baggage)

Adams S. G. Stamp & Stationery Co. (Metal), 412 N 6th, St. Louis, Mo.
American Railway Supply Co., 134 Charles, New York
Black A. S., 126 Main av, Elmwood, Cincinnati, Ohio
Brass Goods Mfg. Co., 345 Eldert, Brooklyn, N. Y.
Buchheimer Geo. H., 503H Sann, Baltimore, Md.
Century Rubber Stamp Works, 551 Pearl, New York
Chipron Stamp Co., 224 W 1st, Los Angeles, Cal.
Dennison Mfg. Co., 26 Franklin, Boston, Mass.
Denney Tag Co., West Chester, Pa.
Dickey-Grabler Wks. (Brass), W Madison & 103rd, Cleveland, O.
Dorman J. F. W. Co. (Brass), 526 N Calvert, Baltimore, Md.
Gibson A. C. Co., 840 Washington, Buffalo, N. Y.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Hanson C. H. Co., 178 N Clark, Chicago
International Tag Co. (Paper & Cloth), 319 N Whipple, Chicago, Ill.
Los Angeles Rubber Stamp Co., 15th & S Los Angeles, Los Angeles, Cal.
Matthews Jas. H. & Co. (Metal), 3942 Forbes, Pittsburgh, Pa.
See adv index at end of book
Mayer Geo. J. & Co., 4339 Winthrop, Indianapolis, Ind.
Meyer & Wenthe, 30 S. Jefferson, Chicago, Ill.
Moise-Klinkner Co. (& Key), 369 Market, San Francisco, Cal.
New York Stencil Works, 100 Nassau, New York
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Pacific Rubber Stamp Co., 112 E 4th, Los Angeles, Cal.
Pannier Bros Stamp Co., 207-9 Sandusky, Pittsburgh, Pa.
See adv index at end of book
Pick Albert & Co., 212 W. Randolph, Chicago, Ill.
Pittsburgh Stamp Co., Inc., 817H Canal, Pittsburgh, Pa.
Rome Mfg. Co., Inc. ("Rome" Hotel Room, etc.), Rome, N. Y.
Sackman Mfg. Co. (Brass & Aluminum, for All Purposes), Akron, O.
Schwerdtle Stamp Co., 43 Cannon, Bridgeport, Conn
Swisher R. D. Mfg. Co., 415H S Clinton, Chicago, Ill.
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.
Spokane Stamp Works, Spokane, Wash.
Stewart R. A. & Co. (Brass), 201 B'way, New York
Stimpson, Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Volk Stamp & Stencil Co., 437 Griswold, Detroit, Mich.
Waterbury Button Corporation (Metal), 831 S Main, Waterbury, Conn.
See adv index at end of book
Western Rubber Stamp Co. Inc., 333 S Spring, Los Angeles, Cal.
Wilcox W. W. Mfg. Co., 366 W Randolph, Chicago
Wright Greg. G. & Son, 119 Opera pl, Cincinnati, O.

2429a— Checks (Cash)

Celluloid Co., 36 Washington pl, New York
Century Rubber Stamp Works, 551 Pearl, New York
Matthews James H. & Co. (Trade), 3942 Forbes, Pittsburgh, Pa.
See adv index at end of book
Pittsburgh Stamp Co. Inc., 817H Canal, Pittsburgh, Pa.
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
See adv index at end of book
Wilcox W. W. Mfg. Co., 366 W Randolph, Chicago

2430— Checks (Celluloid)

Celluloid Co. (Cash, etc), 36 Washington pl, New York
Whitehead & Hoag Co., 272 Sussex av, Newark, N. J.

2431—Checks (Factory Time)

Adams S. G. Stamp & Stationery Co., 412 N. 6th, St. Louis, Mo.
Century Rubber Stamp Works, 551 Pearl, New York
Continental Fibre Co. (Fibre), Newark, Del.
DELAWARE HARD FIBRE CO. (Fibre), Employes), Wilmington, Del.
See adv index at end of book
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
HANSON C. H. CO., 178 N Clark, Chicago
Kautz, Fred C. & Co., 2633 W. Lake, Chicago, Ill.
Los Angeles Rubber Stamp Co., 15th & S Los Angeles, Los Angeles, Cal.
MATTHEWS JAS. H. & CO. (Pay & Time), 3942 Forbes, Pittsburgh, Pa.
See adv index at end of book
Meyer & Wenthe, 30 S Jefferson, Chicago
Pacific Rubber Stamp Co., 112 E 4th, Los Angeles, Cal.
Pannier Bros Stamp Co., 207-9 Sandusky, Pittsburgh, Pa.
See adv index at end of book
Pick Albert & Co., 212 W. Randolph, Chicago, Ill.
Pittsburgh Stamp Co. Inc., 817H Canal, Pittsburgh, Pa.
R. & S. Engraving & Die Works, 617-631 W. Jackson blvd, Chicago, Ill.
See adv index at end of book
Reed & Skeppstrom, 625 W Jackson blvd, Chicago
See adv index at end of book
SCHODER & LOMBARD STAMP & DIE CO., 204½ Centre st, New York
See adv index at end of book
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
WILCOX W. W. MFG. CO., 366 W Randolph, Chicago
Wilmington Fibre Specialty Co. (Fibre), Wilmington, Del.

2431a— Checks (Fibre)

Delaware Hard Fibre Co., Wilmington, Del. *See adv index at end of book*
Diamond State Fibre Co., Dept. 37, Bridgeport, Pa.
See adv index at end of book
Spencer, S. M. Mfg. Co., 9 Cornhill, Boston, Mass.
GRAMMES L. F. & SONS, 311 Union, Allentown, Pa.
See adv index at end of book
WILCOX W. W. MFG. CO., 366 W Randolph, Chicago

2432— Checks (Screen Door)

Arcade Mfg. Co. ('Warner'), Freeport, Ill.
Caldwell Mfg. Co. ("Caldwell & Dime"), Rochester, N. Y.
Dickey Grabler Works, of the Bankers Savings & Credit System Co., W. Madison & 103rd, Cleveland, Ohio
Dunn Mfg. Co., Mankato, Minn.
Pacific Rubber Stamp Co., 112 E 4th, Los Angeles, Cal.
Pannier Bros Stamp Co., 207-9 Sandusky, Pittsburgh, Pa.
See adv index at end of book
Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book
Sargent & Co. ("The No Slam"), New Haven, Conn.
Superior Spring Hinge Co. ("Superior"), 136 W Lake, Chicago, Ill.
Yale & Towne Co. ("Yale"), Dept. H, Stamford, Conn.

2432a— Checks (Tool)

Acme Etched Products Co., 459 Brady, Detroit, Mich.
Adams S. G. Stamp & Stationery Co. (Metal), 412 N. 6th, St. Louis, Mo.
Century Rubber Stamp Works, 551 Pearl, New York
Chipron Stamp Co., 224 W 1st, Los Angeles, Cal.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
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•United Chemical Companies, Kansas City, Mo.
United States Color & Chemical Co. (Mfrs. & Imptrs.) (Colors, Nigrosines & Anthanol Chrome Specialties), 15 Custom House, Boston, Mass.
U. S. Industrial Chemical Co., 110 E 42nd, New York
University Apparatus Co., 2229 McGee av, Berkeley, Cal.
•Van Schaack Bros. Chemical Wks., 3358 Avondale av, Chicago, Ill.
•Vass Chemical Co., Danbury, Conn.
Vera Chemical Co. (Papermakers) Sizings, Rosin), N. Milwaukee, Wis.
•Virginia-Carolina Chemical Co., Richmond, Va.
•Vitro Mfg. Co., H Bessemer bldg., Pittsburgh, Pa.
Wagner Chas. A. Co. Inc., 223 N. Front, Phila., Pa.
•Warner Chemical Co., 52 Vanderbilt av, New York
Warren Products Co. (Dirs), 265 Canal, New York
Welch W. M. Scientific Co. (Agricultural, Analytical, Industrial & Laboratory), 1516 Orleans, Chicago, Ill.
•Western Aniline Products Co., Hammond, Ind.
•White Tar Co. (Dealers), 2 Cliff, New York
White Tar Co. of N. J. (Creosote Oil & Crude Carbolic Acid), 56 Vesey, New York
Whitelaw Bros. Chemical Co. (Dealers), 309 S Wharf, St. Louis, Mo.
Wiarda John C. & Co. (For Glass, Enamel, Pottery, Textile, Steel, Varnish, Nickel & Electroplaters', etc.), 83 Provost, Brooklyn, N. Y.
See adv index at end of book
Will Corp., Dept. H, Rochester, N. Y.
•Williamsburg Chemical Co. (Textile), 230 Morgan av, Brooklyn, N. Y.
•Wilson Chemical Co., Tyrone, Pa.
Winkler Isaac & Bro. Co. (Whol.), 1st Nat. Bank bldg, Cincinnati, O.
•Wolf Jacques & Co. (Textile, etc.), Passaic, N. J.
Wood & Durham Mfg. Co., 2001 Slauson av, Los Angeles, Cal.
Worden Chemical Wks. (Textile), 4 Cedar, New York
•Wright Chemical Co., Susquehanna, Pa.
•Yale C. I. Co., Yalesville, Conn.

2438—Chemicals (Aromatic-Synthetic)

Bush W. J. & Co. Inc., 370 7th av, New York
National Aniline & Chemical Co., Inc., 40 Rector, New York

2438a— Chemicals (Battery)

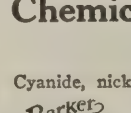
Butterworth-Judson Corp. (Blue Vitriol), 30 Church, New York
Camel Chemical Co., Inc. ("Camel" Battery Solution), 428 Couch, Portland, Ore.
Clendenin Bros. (Blue Vitriol), 108 South, Baltimore, Md.
Contact Process Co., 351 Abbott rd, Buffalo, N. Y.
Cooper Chas. & Co., 194 Worth, New York
Doggett Stanley, 11 Cliff, New York
Eimer & Amend, 205 3d av, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Fergusson Bros. (Blue Vitriol), 109 Chestnut, Phila., Pa.
General Chemical Co. (Blue Vitriol, etc), 40 Rector, New York
Globe Chemical Co., 727H Ridgeway av, Cincinnati, O.
Grasselli Chemical Co. (Blue Vitriol, Storage Battery Acid), Guardian bldg, Cleveland, O.
Harding & Fancourt, 516 S Del., Phila., Pa.
Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Innis, Speiden & Co. Inc., 46 Cliff, New York
King Chemical Co. (Blue Vitriol), Bound Brook, N. J.
Klipstein A. & Co., 644 Greenwich, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merrimac Chemical Co., 148 State, Boston, Mass.
National Zinc Co. (Battery Acid, etc), 61 B'way, New York
Nichols Copper Co. (Blue Vitriol), 25 Broad, New York
Philipp Bros. Inc., 233 Broadway, New York
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.
Railroad Supply Co., 203 S Dearborn, Chicago, Ill.
Riverside Acid Wks., Warren, Pa.
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book
Special Chemicals Co. (Sal-ammoniac), Highland Park, Ill.
Stauffer Chemical Co. (Blue Vitriol), 624 California, San Francisco, Cal.
White S. S. Dental Mfg. Co., 211 S. 12th, Phila., Pa.
Wiarda John C. & Co. (Blue Vitriol), 83 Provost, Brooklyn, N. Y.
See adv index at end of book

2438b—Chemicals (Electroplaters)

Barker Bros., Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book

Chemicals for Electroplaters

Cyanide, nickel salts, boric acid, borax, caustic soda, copper sulphate, bicarbonate soda and all others.



Barker Bros., Inc.
6 Leo Pl., Brooklyn, N. Y.

HARSHAW, FULLER & GOODWIN CO., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book
Sergeant E. M. Co., 131 Cedar, New York

2439—Chemicals (Enamelers' & Glass Makers')

Dalgger A. & Co., 54 Kinzie, Chicago, Ill.
Drakenfeld B. F. & Co., Inc., 50 Murray, New York
HARSHAW, FULLER & GOODWIN CO., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
MATHIESON ALKALI WORKS INC., 25 W 43rd, New York
See adv index at end of book
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book
Sergeant E. M. Co., 15 E 26th, New York
Wiarda J. C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

2440—Chemicals (Fireworks)

Farmingdale Chemical Wks., Inc., Farmingdale, L. I., N. Y.
Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Mecca Machinery Co., 35-37 Adams, Brooklyn, N. Y.
See adv index at end of book
National Chemical Co. (Dirs), 115H Fenton, Syracuse, N. Y.

2440a— Chemicals (Heavy)

American Wood Preserving Co., 3743 N Marshfield av, Chicago, Ill.
Dana & Co. Inc, 111 B'way, New York
Denver Fire Clay Co., 1746 Champa, Denver, Colo.
DU PONT E. I. DE NEMOURS & CO. INC. (Lithopone, Pigments and Heavy Chemicals Div.), 3500 Grays Ferry rd, Phila., Pa. *See adv index at end of book*
FERGUSSON ALEX. C. JR., 474 Chestnut, Phila., Pa.
See adv index at end of book
Frazar & Co., 30 Church, New York
Great Western Electro-Chemical Co. ("Bear"), 9 Main, San Francisco, Cal.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Kirk, W. R., 327 S. La Salle, Chicago, Ill.
MATHIESON ALKALI WORKS INC., 25 W 43rd, New York
See adv index at end of book
Meyer, Wilson & Co. (Importers), 435H California, San Francisco, Cal.
Sergeant E. M. Co., 131 Cedar, New York

2440b— Chemicals (Laundry)

Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Hooker Electro Chemical Co., 25 Pine, New York
Mathieson Alkali Works Inc., 25 W 43rd, New York
See adv index at end of book
National Chemical Co., 113H Fenton, Syracuse, N. Y.
Solvay Process Co., Syracuse, N. Y.
Sterling Products Co., Inc., Easton, Pa.
Trico Chemical Co., Inc., Iroquois bldg, Buffalo, N. Y.
Warner Chemical Co., 52 Vanderbilt av, New York
Winkler Isaac & Bro. Co., 1st Nat'l Bank bldg, Cincinnati, O.

2441—Chemicals (Mantle, Incandescent Light)

Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book
Sergeant E. M. Co., 131 Cedar, New York

2441a—Chemicals (Perfumers)

Chemical Products Co., 24 California, San Francisco, Cal.
Chiris Antoine Co., 147 Waverly, New York
Heine & Co. (Dirs.), 54 Cliff, New York
Mathieson Alkali Works Inc., 25 W 43rd, New York
See adv index at end of book
Sergeant E. M. Co., 131 Cedar, New York
Van Dyk & Co., 6 Platt, New York

2441a1—Chemicals (Paper Makers)

DU PONT E. I. DE NEMOURS & CO. INC. (Lithopone, Pigments & Heavy Chemicals Div.), 3500 Grays Ferry rd, Phila., Pa. *See adv index at end of book*
Mathieson Alkali Works Inc., 25 W 43rd, New York
See adv index at end of book

2441b—Chemicals (Photographic)

See also Specific Headings

Ansco Co., Binghamton, N. Y.
Bauer Philip Co., 53 Park pl, New York
Bell & Gossett Co. ("Foto Kem"), 117 N Dearborn, Chicago, Ill.
Chemical Economy Co., 1640 N. Spring, Los Angeles, Cal.
Defender Photo Supply Co., Rochester, N. Y.
Eastman Kodk Co., Rochester, N. Y.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park pl, New York
Seydel Mfg. Co., 88 Forrest, Jersey City, N. J.
Takmine Commercial Corp., 120 B'way, New York
Will Corp., Rochester, N. Y.
Wood & Durham Mfg. Co., 2001 Slauson av, Los Angeles, Cal.

Established 1892

ALEX. C. FERGUSSON, JR.

Cable Address "FERGUSJUNR," Philadelphia All Codes

Manufacturer, Importer, Merchant

WAREHOUSE & LABORATORY 17 and 19 S. Orianna St. Philadelphia

474 CHESTNUT ST., PHILADELPHIA, PA.

PRODUCTS

Chemicals, Dyestuffs, Colors, Tanning Extracts, Industrial Chemicals and Raw Materials for all industries.

Acetanilide
Acetone
Acids
- Acetic
- Arsenic
- Benzoic
- Black
- Blue
- Boric
- Carbolic
- Chromic
- Citric
- Cresylic
- Fatty
- Formic
- Lactic
- Molybdic
- Nitric
- Oxalic
- Phosphoric
- Pythalic
- Red
- Salicylic
- Stearic
- Tannic
- Tartaric

Alcohol
- Denatured
- Ethyl
- Methyl
- Wood

Alizarine Assistant
Alkali Blue
Alum
- Ammonium
- Chromium
- Chromium-Potassium
- Ferric
- Filter
- Porous
- Potassium
- Sodium

Alumina
Aluminum
- Chloride
- Stearate
- Sulphate

Ammonia, Aqua and Anhydrous
Ammoniates
Ammonium
- Carbonate
- Chloride
- Nitrate
- Phosphate
- Sulphate

Amyl Acetate
Aniline
- Colors and Dyestuffs
- Oil
- Salt

Antimony
- Needle and Crude
- Salts
- Sulphuret of

Arsenic
- Trioxide
- White

Asbestos
- Fibre
- Miners'

Ash, Caustic
Auramine
Babbitt Metal
Ball Blue
Barium
- Carbonate
- Chloride
- Fluoride
- Hydrate
- Hydroxide
- Nitrate
- Peroxide
- Salts
- Sulphate

Beeswax
Benzoates
- Of Soda

Benzol
Betanaphthol
Bismarck Brown
Bleaching Powder
Blue
- Chinese
- Cobalt
- Milori
- Print Chemicals
- Prussian
- Soluble

Boiler Compounds
Bone
- Black
- Meal
- Ground

Borax
Bordeaux
Bromine
Calcium
- Chloride
- Hypochlorite
- Magnesium Chloride
- Resinate
- Stearate

Camphor
Carbon
- Bisulphide
- Black Mfrs.
- Decolorizing and Deodorizing
- Tetrachloride

Carbonate of Potash
Casein
Caustic Soda
Chalk, Precipitated
Chemicals
- Battery
- Fireworks
- Heavy
- Laundry
- Mantle, Incandescent Light
- Rubber
- Tanners'
- Textile
- & Gases, Liquified

Chloride of Calcium
Chrome
- Alum
- Black
- Blue
- Brown
- Colors
- Cyanide
- Green
- Yellow

Chrysoidine
Clays
- China
- Minerals, etc.

Cleaners, Metal
Coal-tar Disinfectant
Colors
- Acid
- Alizarine
- Aniline
- Basic
- Chrome
- Coal-tar
- Direct Enamel
- Ink
- Iron, Blue
- Leather
- Linoleum
- Mfrs. and Importers
- Printing Ink
- Soluble
- Sulphur
- Wood Stain

Compounds
- Clay
- Cleaning
- Core
- Cutting and Drilling
- Drawing
- Sizing
- Sweeping

Copper
- Carbonate
- Oxide
- Sulphate

Copperas
Crystals
- Fuchsine
- Tin

Cutch
Degras Oils
Dextrin
Disinfectants
Dispensers, Liquid Soap
Driers, Cobalt
Drop Black
Drugs
Dry Colors
- Blanc Fixe
- Litharge
- Lithopone
- Paris Green
- White Lead
- Whiting

Dyes, Aniline
Dyestuffs
- Acid Orange Y
- Acid Scarlet
- Bismarck Brown, R and Y
- Direct Black
- Methylene Blue
- Sulphur Black

Dyewoods
Extract
- Divi Divi
- Dyewood
- Fustic
- Hematine
- Indigo
- Logwood
- Myrobalan
- Quebracho
- Quercitron
- Sumac
- Tanning

Fixtures, Liquid Soap
Flakes, Naphthalene
Formaldehyde
Fullers Earth
Gambier
Glucose
Glycerine
Greases
- Lubricating and Special & Oils, Axle

Gums, All Sorts
Hexamethylenetetramine
Hydrogen Peroxide
Hydroquinone
Indigo
Indigotine
Inks
- Marking
- Metal Marking
- Stencil

Insecticides
Intermediates
Iron Oxides
- Black, Brown and Red

Iron Sulphate
Kryolith
Lakes
Lead
- Acetate
- Arsenate
- Carbonate
- Oxide (Litharge)
- Resinate
- White

Lime
- Carbonate
- Caustic
- Chemical
- Hydrated
- Sulphur Solution

Linseed Oil and Cake
Litharge
Lithopone
Lubricating Oils and Greases
Lye
Magnesite
Magnesium
- Calcined
- Carbonate
- Chloride

Malachite, Green
Manganese
- Borate
- Carbonate
- Dioxide
- Sulphate

Menthol
Mercury, Bichloride Corrosive Sublimate
Methyl
- Salicylate
- Violet

Methylene (Blue)
Mica, Ground and Pulp
Mill Soaps
Monochlorbenzol
Myrbane
Myrobalans
Naphthalene
Naphthol Mfrs. and Imptrs.
- Beta

Nickel Sulphate
Nigrosine
Nitre Cake
Ochres
Oils
- Acetone (Ketone)
- Aniline
- Castor
- China-Wood
- Cocoanut
- Cotton-Seed
- Cutting, Drilling and Polishing
- Degras
- Emulsion
- Floor
- Lard
- Leather
- Linseed
- Lustre
- Neatsfoot
- Neutral
- Paraffine
- Pine
- Pipe Threading
- Red
- Screw Cutting
- Silk
- Soluble
- Soya-Bean
- Sulphonated
- Tanners'
- Vegetable

Paranitraniline
Paraphenelendiamine
Paris Green
Petrolatum
Pharmaceuticals
Phenol
Phenolphthalein
Phenylenediamine, Meta
Phthalic Anthryd-ride
Pitch, Stearine
Plumbago
Polish
- Automobile
- Floor
- Furniture
- Soap

Potassium
- Bicarbonate
- Bichromate
- Carbonate
- Carbonate Calcined
- Chlorate
- Chloride
- Ferricyanide
- Ferrocyanide
- Hydroxide
- Nitrate
- Nitrate Saltpetre
- Permanganate

Powders
- Bleaching
- Carbonating
- Scouring

Prussiate
- of Potash
- of Soda

Rawbone of Soda, Granulated
Reds
- Indian
- Turkey
- Tuscan
- Venetian

Rescorcin
Sal-Ammoniac
Sal-Soda
Salicylate of Soda
Salt Cake
Salts
- Aniline
- Chemical
- Copper
- Epsom
- Glaubers

Satin White
Sienna
Silex
Size
Soap Dispensers, Liquid
Soap
- Green
- Liquid
- Whale Oil

Soapstone, Powdered or Dust
Soda, Ash
Sodium
- Acetate
- Arsenate
- Bicarbonate
- Bichromate
- Bisulphate
- Bisulphite
- Carbonate
- Chlorate
- Cyanide
- Ferrocyanide
- Fluoride
- Hydrosulphite
- Hydroxide
- Hypochlorite
- Hyposulphite
- Nitrate
- Nitrite
- Permanganate
- Peroxide
- Phosphate
- Salicylate
- Salts
- Silicate
- Sulphate
- Sulphide
- Sulphite
- Tri-Phosphate

Softeners, Cotton
Solvents, Acetone and Ketone s
Starch
- Corn
- Potato
- Rice

Strontium
- Carbonate
- Nitrate

Sulphate
- of Ammonia
- of Zinc

Sulphur
- Refined
- and Brimstone
- and Brimstone, Crude

Sumac
Talc
- Importers
- Powdered

Talcum
Tallow
Terra-Alba
Tungstate of Soda
Umber, Burnt and Raw
Varnish Gums
Verdigris
Wax
- Carnauba
- Ceresin
- Japan
- Paraffine

Whiting and Paris White Mfrs.
Xylidine
Zinc
- Carbonate
- Chloride
- Dust
- Oxide
- Stearate
- Sulphate
- White

2441c— Chemicals (Rubber)

See also Specific Headings

Battelle & Renwick, 80 Maiden lane, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Frazar & Co., 30 Church, New York
Hachmeister-Lind Chemical Co., Pittsburgh, Pa.
HARSHAW, FULLER & GOODWIN CO., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Seydel Mfg. Co., 88 Forrest, Jersey City, N. J.
Warner Chemical Co., 52 Vanderbilt av, New York

2441d— Chemicals (Tanners)

Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Hachmeister-Lind Chemical Co., Pittsburgh, Pa.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Hooker Electro Chemical Co., 25 Pine, New York
Kepec Co., 476 4th, Milwaukee, Wis.
Mathieson Alkali Works Inc., 25 W 43rd, New York
See adv index at end of book
National Oil Products Co., Harrison, N. J.
Sergeant E. M. Co., 15 E. 26th, New York
See adv index at end of book

2441e— Chemicals (Textile)

See also Specific Heading

Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Herrick & Voight, 99 John, New York
Innis, Speiden & Co., Inc., 46 Cliff, New York
Mathieson Alkali Works Inc., 25 W 43rd, New York
See adv index at end of book
Merrimac Chemical Co., 148 State, Boston, Mass.
National Oil Products Co., Harrison, N. J.
Sergeant, E. M. Co., 15 E. 26th, New York
See adv index at end of book
Seydel Mfg. Co., 88 Forest, Jersey City, N. J.
Solvay Process Co., Syracuse, N. Y.
Takamine Commercial Corp., 120 B'way, New York
Wolf Jacques & Co., 369 Harrison, Passaic, N. J.

2442—Chemicals & Gases (Liquified)

Am. Blaugas Corp., 19 6th, Long Island City, N. Y.
Fergusson, Alex. C., Jr. (Chemicals), 474 Chestnut, Phila., Pa.
See adv index at end of book
Northwestern Blaugas Co., St. Paul, Minn.
White S. S. Dental Mfg. Co., 211 S. 12th, Phila., Pa

2443-4— Chemists

See also Assayers; also Laboratories

Allentown Testing Laboratory (Analytical & Consulting), 373 Linden, Allentown, Pa.
Arner Co. Inc., 303 Michigan av, Buffalo, N. Y.
Atkin & McRae, 1008 S. Hill, Los Angeles, Cal.
Banks John H. & Sons (Analytical & Consulting), 26 John, New York
Barrow Agee Labortories (Analytical & Consulting), Memphis, Tenn.
Battle Laboratory (Analytical & Consulting), Montgomery, Ala.
Binz Eder G. (Eucalyptus Products), 732 Ceres av, Los Angeles, Cal.
Booth, Garrett & Blair (Analytical), 404 Locust, Phila., Pa.
Boyer Chemical Laboratory Co., 940H N. Clark, Chicago, Ill.
Burlingame, Walter E., 1915 Lawrence,, Denver, Colo.
Chemical Service Laboratories (Analytical & Consulting), West Conshohokn, Pa.
Curtis & Tompkins (Analytical), 331 California, San Francisco, Cal.
Daigger A. & Co., 54 W. Kinzie, Chicago, Ill.
Davenport & Keeler, New Britain, Conn.
Dearborn Chemical Company (Analytical), 310 S Michigan av, Chicago, Ill.
Deavitt H. M. (Analytical & Consulting), 209 S La Salle, Chicago, Ill.
Deavitt Laboratories (Consulting), 209 S La Salle, Chicago, Ill.
Detroit Testing Laboratory, 3726 Woodward, Detroit, Mich.
Domestic Chemical Co., 13021 E Jefferson, Detroit, Mich.
Falkenburg Co., 116 Yesler way, Seattle, Wash.
Fassett C. M. Co., N 209 Wall, Spokane, Wash.
Fergusen, J. B. & Co., 43H N. Jonatham, Hagerstown, Md.
Gascoyne & Co. (Analytical & Consulting), 27 S Gay, Baltimore, Md.
Gattis Chemical Co. (Pharmaceuticals), 214 Woodland, Nashville, Tenn.
Good James Inc., 2113H E. Susquehanna av, Phila., Pa.
Gulick Henderson Co., 145 W 36th, New York
Hamlin & Morrison (Analytical) 119 S 4th, Phila., Pa.
Hanks A. A. (Analytical), 630 Sacramento, San Francisco, Cal.
Herman John, 339 S Los Angeles, Los Angeles, Cal.
Illinois Chemical Laboratory Inc., 572 N Randolph, Chicago, Ill.
Industrial Research Co., 28 Belden pl, San Francisco, Cal.
Industrial Testing Laboratory, 1306 S Los Angeles, Los Angeles, Cal.
Kann Robt. (Analytical), 124 Front, New York
Kawin Chas. C. Co., 431 S Dearborn, Chicago, Ill.
Koppers Co. (Coal, Coke & Gas), Union Arcade, Pittsburgh, Pa.
Kraus Research Laboratories, Inc. (also Research Engineers & Refractories), 110 W 40th, New York
Lauchs I. F. Inc. (Analytical & Consulting), 99 Marion, Seattle, Wash.
Law & Co., Atlanta, Ga.
Ledoux & Co. (Analytical & Consulting), 99 John, New York
Lehn & Fink (Pharmaceuticals), 120 B'way, New York
Lennox Chemical Co., 1204 E. 55th, Cleveland, O.
Lippman & Sugarman, 135 Stockton, San Francisco, Cal.
Little Arthur D., Inc., 30 Charles River rd, Boston, Mass.
Lloyd's Laboratories, Ltd., 200 N Jefferson, Chicago, Ill.
Luter Clark A., 17 S. Gay, Baltimore, Md.
Maas A. R. Chemical Co., 308 E 8th, Los Angeles, Cal.
Mariner & Hoskins, 111 W Monroe, Chicago, Ill.
Miles Geo. W. (Analytical & Consulting), 88 Broad, Boston, Mass.
Morris-Flinn Co., 569 Cherry, Macon, Ga.
Northwest Testing Lab., 114 Marion, Seattle, Wash.
Osborne Raymond G., Marsh-Strong bldg, Los Angeles, Cal.
Pacific Chemical Laboratories (Analytical), 417 Montgomery, San Francisco, Cal.
Pacific Wasserman Laboratories, Pacific bldg, San Francisco, Cal.
Parson, J. H. Chemical Co. (Analytical & Mfg.), 140 N Dearborn, Chicago, Ill.
Perkins Geo. E. (Analytical & Consulting), 1620 Smith, Providence, R. I.
Pitkin Lucius (Analytical & Consulting), 47 Fulton, New York
Pittsburgh Testing Laboratory, 7th av & Bedford, Pittsburgh, Pa.
Pratt N. P Laboratory (Analytical & Consulting), Atlanta, Ga.
Roessler & Hasslacher Chemical Co., 709 **6th av, New York**
See adv index at end of book
Sadtler Sam'l P. & Son (Consulting & Analytical), 210 S 13th, Phila., Pa.
Samoline Corp. Inc. (Analytical), 1300 Fletcher, Chicago, Ill.
Saunders & Franklin (Analytical & Consulting), 184 Whittier av, Providence, R. I.
Schalk Chemical Co. (Mfrs.), 351 E 2nd, Los Angeles, Cal.
Scott & Gilbert (Mfg.), 268 Mission, San Francisco, Cal.
Seidel Ad. & Sons (Bakers), 1245 Garfield av, Chicago, Ill.
Sharples Stephen P. (Analytical & Consulting), 26 Broad, Boston, Mass.
Sherman Herbert L. (Analytical & Consulting), 276 Stuart, Boston, Mass.
Siebel J. E. & Sons Co., 962 Montana, Chicago, Ill.
Smith, Emery & Co., 651 Howard, San Francisco, Cal.
Smith Laboratory (Analytical), Mt. Pleasant, Tenn.
Smith, Rudy & Co., 411 Walnut, Phila., Pa.
Sowers Osso (Analytical), 104 John, New York
Squibb-Carter-Squibb Co., Lawrenceburg, Ind.
Staddon-Donald R. & Co. (Analytical & Consulting, Industrial), 104-106 John, New York.
Stearns & White Co., 859 North Franklin, Chicago, Ill.
Stillwell Laboratory (Analytical & Consulting), 76 Pine, New York.
Stillwell & Gladding (Analytical & Consulting), 80 West, New York
Syracuse Pharmacal Co. (Mfg.), Syracuse, N. Y.
Teeple Jno. E., Ph. D. (Consulting & Chemical Engineer), 50 E 41st, New York
Twining Laboratories, 2146 Merced, Fresno, Cal.
Upjohn Co. (Pharmaceuticals), Kalamazoo, Mich.
Wag's Chemical Co., 521 S Gay, Knoxville, Tenn.
Wallior Chemical Works (Analytical & Consulting), New Orleans, La.
Weber Lothar E. (Analytical & Consulting Rubber), 729 Boylston, Boston, Mass.
Wiedemann H. E. (Consulting & Analytical), Chemical bldg, St. Louis, Mo.
Wiley & Co. (Analytical & Consulting), 904 N Calvert, Baltimore, Md.
Wrana King & Co., Inc., 605 E 3rd, Los Angeles, Cal.

2445— Chests (Cedar)

Acme Mfg. Co., South Bend, Ind.
American Sash & Door Co., Kansas City, Mo.
Burrowes E. T. Co., 68 Free, Portland, Me.
Carr, Ryder & Adams Co. (Wholesale Mfrs), Dubuque, Ia.
Colonial Red Cedar Chest Co., Lincoln, Neb.
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Kane Blind & Screen Co., Kane, Pa.
Lampkin Furniture & Fixture Mfg. Co. Inc., E 101 De Smet, Spokane, Wash.
Landau Cabinet Co., 1545 Tower Grove, St. Louis, Mo.
Lane Co. Inc., Altavista, Va.
Lookout Planing Mills, E Main, Chattanooga, Tenn.
Manchester Mfg. Co., 1210H S. Vandeventer av, St. Louis, Mo.
Oakland Cabinet Works, 1011 University av, Berkeley, Cal.
Oakland Cedar Chest Co., 3901 E 14th, Oakland, Cal.
Passow & Sons, 2101 S. Allport, Chicago, Ill.
Roos Mfg. Co. (Red Cedar), 967 W 20th, Chicago, Ill.
South Bend Toy Mfg. Co., South Bend, Ind.
Southern Furniture Co., Texarkana, Tex.
Standard Red Cedar Chest Co., Altavista, Va.
Stewart G. S. Co., Norwalk, O.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book
Teepe J. Chas. Inc., Mott & Vernon avs, Long Island City, N. Y.
Universal Cabinet Co., 1812 W Austin av, Chicago, Ill.
Vestal Lumber & Mfg. Co. ("Tennessee" Red Cedar), Maryville Park, Knoxville, Tenn.
West Branch Novelty Co., Milton, Pa.
Huttig Mill Wk. Co., Kansas City, Mo.
Wisconsin Chair Co., Pt. Washington. Wis.

Chests (Ice)

See Refrigerators

2446— Chests (Stuff)

Dillon Machine Co., Lawrence, Mass.
Diits Machine Works (Inc.), (Horizontal & Vertical), Fulton, N. Y.
National Refrigerators Co., 827 Koel av, St. Louis, Mo.
Noble & Wood Machine Co., Hoosick Falls, N. Y.
Valley Iron Works Co., Appleton, Wis.

2447— Chests (Tool)

American Mfg. Concern (Toy & Carpenter), Falconer, N. Y.
Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.
Buhrke, R. H. Co. (Electrician's and Mechanic's), 1250H Fullerton av, Chicago, Ill.
Cardington Cabinet Co., Cardington, O.
Chicago Tool & Kit Co., 160 Whiting, Chicago, Ill.
Conway Veneered Door & Mantel Co., 2019 St. Paul, Milwaukee, Wis.
Economy Mfg. Co., 5350 Germantown, Philadelphia, Pa.
Gerstner H. & Sons (Portable), Dayton, O.
Jennings C. E. & Co., 71 Murray, New York
Moore Drop Forging Co., Springfield, Mass.
Page, Storms Drop Forge Co. (Drop Forged), Chicopee, Mass.
Paine Furniture Co., 81 Arlington, Boston, Mass.
Pilloid Lumber Co., Swanton, O.
Stanley Rule & Level Plant, New Britain, Conn.
Vanderman Mfg. Co. (Steel), Willimantic, Conn.
Wedell & Boers, 28 Jefferson, Detroit, Mich.
West F. M. Box Co., 121 Lowell av, Springfield, Mass.
Wilbur Corporation, 32 Winthrop av, New Haven, Conn.

2447a— Chicle

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Steiger Trading Co. Inc. (Imp.), 49 Murray, New York

2448— Chicory Mfrs.

Brandt C. H. W., Stockton, Cal.
Frank Chicory Co., Bay City, Mich.
Muller E. B. & Co., Port Huron, Mich.
Vanneste Bros., Capsac, Mich.

2449—Chimes (Saddle, Pole, Hame, Etc.)

Bevin Bros. Mfg. Co., East Hampton, Conn.
Starr Bros. Bell Co., East Hampton, Conn.

Chimney Pipe

See Linings, Flue

2450— Chimney Tops

Adams Co. ("Adams" Revolving), Dubuque, Ia.
American Sewer Pipe Co., Akron, O.

Badger Steel Roofing & Corrugating Co., La Crosse, Wis.
Baltimore Terra Cotta Works, 1300 Covington, Baltimore, Md.
Bannon P. Pipe Co., Louisville, Ky.
Blackmer & Post Pipe Co. (Fire Clay), Boatmen's Bank bldg, St. Louis, Mo.
Buckeye Fireclay Co., Uhrichsville, O.
Cannelton Sewer Pipe Co., Cannelton, Ind.
Chattanooga Sewer Pipe Works, Chattanooga, Tenn.
Clark N. & Sons, 116 Natoma, San Francisco, Cal.
Clawson L. E. Co., 80 Page, San Francisco, Cal.
Columbus Sewer Pipe Co., Columbus, Ga.
De Bruycher August, 171 7th av, Brooklyn, N. Y.
Dee Wm. E. Co., 30 N La Salle, Chicago, Ill.
Dickey W. S. Clay Mfg. Co., N. Y. Life bldg, Kansas City, Mo.
Eastern Clay Goods Co., 141 Milk, Boston, Mass.
Evans Clay Mfg. Co., Uhrichsville, O.
Evens & Howard Fire Brick Co., 920 Market, St. Louis, Mo.
Excelsior Fire Clay Co. ("Excelsior"), Lisbon, O.
Frantz Mfg. Co., Sterling, Ill.
Gladding, McBean & Co., Crocker bldg San Francisco, Cal.
Iwan Bros., South Bend, Ind.
Laclede-Christy Clay Products Co., Ry. Exch. bldg., St. Louis, Mo.
Macomb Sewer Pipe Co., Macomb, Ill.
Macon Sewer Pipe Works, Macon, Ga.
Oakland Art Pottery, 2237 E. 12th, Oakland, Cal.
Ogden Sewer Pipe & Clay Co., Ogden, Utah
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Quinn Wire & Iron Works (Cast Iron), Boone, Ia.
Reeve Augustus, Camden, N. J.
Robinson Clay Product Co., Akron, O.
Robinson & Sons Sewer Pipe Co., Uhrichsville, O.
Southern Sewer Pipe Works, Birmingham, Ala.
Standard Sewer Pipe Works, Rome, Ga.
Streator Clay Mfg. Co., Streator, Ill.
Texarkana Pipe Works, Texarkana, Texas
Waterloo Register Co., Waterloo, Ia.

2451—Chimney Tops (Revolving)

Badger Steel Roofing & Corrugating Co., La Crosse, Wis.
Feld Geo. A. Co., 162 E. 129th, New York
Iwan Bros., South Bend, Ind.
Kramer Bros Foundry Co. ("Gem" & "Dayton"), 55 Dell, Dayton, O.
Milwaukee Corrugating Co., Milwaukee, Wis.
New Orleans Roofing & Metal Co. ("Nola"), Cortez & Orleans, New Orleans, La.
Quinn Wire & Iron Works ("Dandy"), Boone, Ia.
Sterling Fdry. Co. ("Best"), Sterling, Ill.
Williams Hardware Co. ("Powers"), 113H Vermillion, Streater, Ill.

Chimney Tops (Slate)

See Slate Stair Treads & Risers

2452— Chimneys (Concrete)

Boland John V., Construction Co., Chemical bldg, St. Louis, Mo.
Custodis Alphons Chimney Construction Co., 95 Nassau, New York
Eastern Clay Goods Co., 141 Milk, Boston, Mass.
General Concrete Construction Co. (Tapering Reinforced), 431 S Dearborn, Chicago, Ill.
Heine Chimney Co. (The) (Reinforced Concrete), 123 W Madison, Chicago, Ill.
KELLOGG M. W. CO., 90 West, New York
See adv index at end of book
Polk Genung Polk Co., Dept. H, Port Branch, Ind.
Rust Engng. Co. (Reinforced for Power Plants), 504 Dist National Bk. bldg, Washington, D. C.
Weber Chimney Co. ("Weber," Reinforced Concrete), McCormick bdg, Chicago, Ill.
Wiederholdt Construction Co. ("Wiederholdt" Tile), H Bank of Commerce bldg, St. Louis, Mo.

Chimneys for Power Plants

See Stacks, Steel; Also Chimneys, Steel

2453— Chimneys (Forge)

Lourie Hydaulic Press Co., Springfield, Ill.
See adv index at end of book

2454—Chimneys (Lamp, Glass)

Bridgeport Lamp Chimney Co., Bridgeport, W. Va.
Cameron Glass & Mfg. Co. ("Cameron" Hand Made), Cameron, W. Va.
Co-Operative Enterprise Glass Co., North Vernon, Ind.
Corning Glass Wks. ("Nonex"), Corning, N. Y.
Dunbar Flint Glass Co., Dunbar, W. Va.
Fostoria Glass Co., Moundsville, W. Va.
Gill Bros. Co. ("Acme," "Royal," "O. K."), Steubenville, O.
Gill E. & Co., York & Thompson, Phila., Pa.
Gleason-Tiebout Glass Co., 93 Commercial, Brooklyn, N. Y.
Glenshaw Glass Co., Glenshaw, Pa.
McBride Thomas, Industrial, W. Va.
Macbeth-Evans Glass Co. ("Macbeth," Pearl Top & Pearl Glass, "Keystone," "Zenith," "Iron Clad," "Superior," "Crescent," "Empire"), C of C bldg, Pittsburgh, Pa.
Phoenix Glass Co., 2d National Bank bldg, Pittsburgh, Pa.
Pittsburgh Lamp, Brass & Glass Co., 130 7th, Pittsburgh, Pa.
Star Glass Co., Star City, W. Va.
Wellington Glass Co., Cumberland, Md.
Williamsburg Flint Glass Co., 260 Boerum, Brooklyn, N. Y.

2455— Chimneys (Mica)

Huse Jos. & Son, 91 Blackstone, Boston, Mass.
Mica Mfg. Co., 135 Johnson, Brooklyn, N. Y.
Mikesell Bros. Co., Wabash, Ind.
See adv index at end of book
Munsell Eugene & Co., 60 Church, New York
North Carolina Mica Co., 80 North, Boston, Mass.
Storrs Mica Co., Owego, N. Y.

2456—Chimneys of Perforated Radial Blocks

See also Chimneys, Concrete

American Chimney Corp., 147 4th av, New York
Boland Const. Co., 53 W. Jackson, Chicago, Ill.
Brick Terra Cotta & Tile Co., Dept. H, Corning, N. Y.
Continental Chimney Co. Inc., 118 N La Salle, Chicago, Ill.
Custodis Alphons Chimney Construction Co., 95 Nassau, New York
Heine Chimney Co. (The), 123 W Madison, Chicago, Ill.
Heinicke H. R. Inc., 147 4th av, New York
See adv index at end of book

H. R. HEINICKE, INC.
147 Fourth Avenue
New York City
Owns and Operates Own Radial Brick Yard

Huyette, Paul B. Co. ("Kellogg" Radial Brick), 5H S. 18th, Phila., Pa.
KELLOGG M. W. CO. (Corrugated Radial Brick), 90 West, New York
See adv index at end of book
Rust Engng. Co., 504 Dist. National Bank bldg., Washington, D. C.
SUMMERHAYS WM. & SONS, 70 Exchange, Rochester, N. Y.
Van Horne J. R., 509 Monadnock bldg, Chicago, Ill.

2456a— Chimneys (Self-Supporting, Steel)

Granger Co., A. D., 17 Park Row, New York
See adv index at end of book

2457— Chimneys (Steel)

See Also Stacks, Steel

CHICAGO BRIDGE & IRON WORKS (Self-Supporting), 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Connery & Co., Inc., 4000 N. 2nd, Phila., Pa. *See adv index at end of book*
DOVER BOILER WORKS (Self-Supporting), Sales Office, 40 Church, New York; Works: Dover, N. J.
See adv index at end of book
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Horton Steel Works Ltd., 118 Janet, Bridgeburg, Ont., Can.
Littleford Bros. (Self Supporting), 444 E. Pearl, Cincinnati, O.
See adv index at end of book
New York Central Iron Works Co., Inc. (Self-Supporting), Dept. H, Hagerstown, Md.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg., Pittsburgh, Pa.
See adv index at end of book
Republic Structural Iron Wks. Co., 1359 E. 53rd, Cleveland, O.
Thropp's, John E. Sons Co., ft. of Lewis, Trenton, N. J.

2458—China (Domestic, Decorated & Plain)

Alliance Vitreous China Co., Alliance, O.
Anchor Pottery, Trenton, N. J.
Bennett Edwin Pottery Co., Eden & Fleet, Baltimore, Md.
Buffalo Pottery, 1456 Seneca, Buffalo, N. Y.
Canonsburg Pottery Co., Canonsburg, Pa.
Carrollton Pottery Co., Carrollton, O.
Cartwright Bros. Co., East Liverpool, O.
Colonial Co., East Liverpool, O.
Crooksville China Co., Crooksville, O.
East Liverpool Potteries Co. (Decorated), East Liverpool, O.
French China Co. (Dinner, Toilet), Sebring, O.
Greenwood China Co., Trenton, N. J.
Greenwood Pottery Co., Trenton, N. J.
Hall China Co., East Liverpool, O.
Harker Pottery Co. (Decorated), East Liverpool, O.
International Pottery Co (Decorated, Semi-vitreous), Trenton, N. J.
Iroquois China Co., Solvay, N. Y.
Knowles, Edwin M. China Co. (Dinner, Toilet), East Liverpool, O.
Knowles, Homer Pottery Co. (Semi-Vitreous Table and Hotelware), Santa Clara, Cal.
Knowles, Taylor & Knowles Co. (Decorated, Semi-vitreous), East Liverpool, Ohio
Laughlin Homer China Co. (Decorated), East Liverpool, O.
Lenox Incorporated, Trenton, N. J.
Leopold J. & Co., 101 Hanover, Baltimore, Md.
Limoges China Co. (Table), Sebring, O.
McNicol, D. E. Pottery Co. (Decorated), East Liverpool, O.
McNicol-Corns Co., Wellsville, O.
Mayer China Co., Beaver Falls, Pa.
Mercer Pottery Co. (Decorated, White), Trenton, N. J.
National China Co., Salineville, O.
Ohio China Co. (Decorated), East Palestine, O.
Owen China Co. (All Kinds), Minerva, O.
Patterson Bros. (Decorated), Wellsville, O.
Pick Albert & Co., 212 W. Randolph, Chicago, Ill.
Pope-Gosser China Co. (Dinner), Coshocton, O.
Poxon Pottery (Decorated Hotel & Domestic Ware), 2300 E 52nd, Los Angeles, Cal.
Potters Co-Operative Co. (Decorated), East Liverpool, O.
Royal China Co., Sebring, O.
Sebring E. H. China Co. (Table), Sebring, Ohio
Smith-Phillips China Co. (Decorated), East Liverpool, O.
Southern Potteries, Inc. ("Clinchfield"), Erwin, Tenn.
Standard Pottery Co. (Decorated), East Liverpool, O.
Steubenville Pottery Co., Steubenville,, O.
Summit China Co., Akron, O.
Taylor, Smith & Taylor Co.,, East Liverpool, O.
Thompson, C. C. Pottery Co. (All Kinds), East Liverpool, O.
Trenle Porcelain Co., East Liverpool, O.
Trenton Potteries Co. (Decorated), Trenton, N. J.
Tritt China Co., Niles, O.
Van Pottery Co., Trenton, N. J.
Vodrey Pottery Co. (Decorated), East Liverpool, O.
Warwick China Co. (Table), Wheeling, W. Va.
Wellsville China Co. (Decorated), Wellsville, O.
West End Pottery Co. (Table), East Liverpool, O.
Worcester China Co., Sebring, O.
Wylie H. R. China Co., Huntington, W. Va.

2459-60— Chippers (Cable)

Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.

2461— Chippers (Ice)

Alaska Freezer Co. ("Alaska"), Winchendon, Mass.
Arcade Mfg. Co., Freeport, Ill.
Bernardin Bottle Cap Co. ("Halsey"), 31 1st av, Evansville, Ind.
Bonney Vise & Tool Works, Inc., Allentown, Pa.
Gilchrist Co., 236 Bank, Newark, N. J.
Landers, Frary & Clark, New Britain, Conn.
North Bros. Mfg. Co. ("Lightning"), Lehigh av & American, Phila., Pa.
Thayer Mfg. Co., Williamsburg, Mass.
Wagner Mfg. Co. ("Wagner Danger," Combination Chisel Chipper), Cedar Falls, Ia.
Williams Patent Crusher & Pulverizer Co., 813 Montgomery, St. Louis, Mo.
Wrightsville Hardware Co., Wrightsville, Pa.

2461a— Chippers (Soap)

Houchin-Aiken Co., 26 Court, Brooklyn, N. Y.

2461b—Chippers & Shredders (Extract & Dye Wood)

BUFFALO FOUNDRY & MACHINE CO., 66 Winchester av, Buffalo, N. Y.
See adv index at end of book

MITTS & MERRILL (Pulp Wood, Bone Dry & Green), 1939 S Water, Saginaw, Mich.

Williams Patent Crusher & Pulverizer Co., 707 Montgomery st, St. Louis, Mo.
See adv index at end of book

Chisel Blanks

See Blanks (Chisel)

2462— Chisels (Belt)

Manufacturers' Belt Hook Co. ("L-X"), 1321 W. Congress, Chicago, Ill.

Chisels (Blacksmiths')

See Chisels, Cold & Cape

2463—Chisels (Box, Openers)

See also Pullers, Nail

American Cutlery Co. (Steel Nickel-Plated Cigar Box, etc), 764 Mather, Chicago, Ill.
Arcade Mfg. Co. ("Berry"), Freeport, Ill.
Bagshaw & Field, 445 N 5th, Phila, Pa.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Brewer Bros Co. (Claw), 2743N 2nd, Phila., Pa.
Bridgeport Hardware Mfg. Corp. ("Matchless"), 461 Irn av, Bridgeport, Conn.
Buffum Tool Co. ("Swastika," Flat, Mallet Head, Plain, etc), South Side, Louisiana, Mo.
Carver Tool Works, Spring Valley, N. Y.
Drew, C. & Co., Kingston, Mass.
Duffy J. F., Jr, 563 Fulton, Chicago, Ill.
Duffy Mfg. Co., 214 W Grand av, Chicago, Ill.
Fairmount Tool & Forging Co. ("Fairmount"), 10611 Quincy av, Cleveland, O.
Gray Iron Foundry Co., Reading, Pa.
Kilborn & Bishop Co., 194 Chapel, New Haven, Conn.
Kraeuter & Co., 583 18th av, Newark, N. J.
Landers, Frary & Clark ("H. & B." Cast Steel), New Britain, Conn.
Lowentraut, P. Mfg. Co., 36 Brenner, Newark, N. J.
Mellor Box Opener Co. ("Mellor" Box Opener, Nail Puller & Hammer), Sedalia, Mo.
Nicol & Co. ("N. & Co."), 218 N Jefferson, Chicago, Ill.
Osborne C. S. & Co., Box 183, Newark, N. J. *See adv index at end of book*
Sargent & Co., New Haven, Conn.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Stortz John & Son, 210 Vine, Phila., Pa.
Van Doren Mfg. Co. ("Vandor"), Chicago Heights, Ill.
Vaughan & Bushnell Mfg. Co. ("V & B," for Shoe Dealers, etc.), 2114 Carroll av, Chicago, Ill.
Warner Hammer Co., Cromwell, Conn.
Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.

2464-5—Chisels (Bricklayers')

Anderson W. H. Tool & Sup. Co., 184 Brush, Detroit, Mich.
Bagshaw & Field, 445 N 5th, Phila., Pa.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Brewer Bros. Co., 2743N 2nd, Phila., Pa.
Brunner & Lay, 570 W Polk, Chicago, Ill.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Carver Tool Works, Spring Valley, N. Y.
Collins Co., Collinsville, Conn.
Crescent Tool Mfg. Co., 1002 Cass av, St. Louis, Mo.
Duffy Mfg. Co., 214 W Grand av, Chicago, Ill.
Evansville Tool Works, 701 W Md., Evansville, Ind.
Fairmount Tool & Forging Co. ("Fairmount"), 10611 Quincy av, Cleveland, O.
Kilborn & Bishop Co. ("Silex"), 194 Chapel, New Haven, Conn.
Kraeuter & Co., 583 18th av, Newark, N. J.
Marshalltown Trowel Co., Marshalltown, Ia.
Phillips F. & Son, 1336 Greenmount av, Baltimore, Md.
Plumb Fayette R. (Inc.), 4837 James, Phila., Pa.
Stanley Rule & Level Plant (Atha Div.), New Britain, Conn.
Stortz Jno. & Son, 210 Vine, Phila., Pa.
Vaughan & Bushnell Mfg. Co. ("V & B"), 2114 Carrol av, Chicago Ill.
Vichek Tool Co. ("Vichek"), 3000 E 87th, Cleveland, O.
Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.

2466— Chisels (Calking)

See also Tools, Calking

Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.
Berns Otto Co., Inc., 17 Ashland, Newark, N. J.
See adv index at end of book
Braunsdorf-Mueller Co., Elizabeth, N. J.
Buffum Tool Co. ("Swastika," Boilermakers', Plumbers, Fire Hydrant), South Side, Louisiana, Mo.
Carver Tool Works, Spring Valley, N. Y.
Cleveland Punch & Shear Works Co., 3917 St. Clair av, N E, Cleveland, O.
See adv index at end of book
Cleveland Wrought Products Co., 3400 W 58th, Cleveland, Ohio
See adv index at end of book
Drew C. & Co., Kingston, Mass.
Eagle Tool Works, Bayonne, N. J.
Fairmount Tool & Forging Co. ("Fairmount"), 10611 Quincy av, Cleveland, O.
Kraeuter & Co., 583 18th av, Newark, N. J.
Marine Hardware-Equipment Co. ("Acme" & Mheco"), So. Portland, Me.
Mueller Co., Decatur, Ill.
New York Mallet & Handle Works, 743 E 11th, New York
Osborne C. S. & Co., Box 183, Newark, N. J. *See adv index at end of book*
Starbuck R. M. & Sons, Hartford, Conn.
Stortz Jno. & Son (Plumbers'), 210 Vine, Phila., Pa.
Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

2467—Chisels (Cold & Cape)

Abegg & Reinhold Co. ("Varco"), 2533 E 26th, Los Angeles, Cal.
Anderson W. H. Tool & Supply Co., Franklin & Dubois, Detroit Mich.
Badger Tool & Forge Co., 707 Nebraska, Oshkosh, Wis.
Bagshaw & Field 445 N 5th, Phila., Pa.
Beall Bros., Alton, Ill.
Bernz Otto Co., Inc., 17 Ashland, Newark, N. J.
See adv index at end of book
Bicknell Mfg. & Supply Co., Janesville, Wis.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Brewer Bros. Co. (Cast Steel), 2743N 2nd, Phila., Pa.
Buck Bros., Millbury, Mass.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Carver Tool Works, Spring Valley, N. Y.
Champion Tool Co. (Hand, Cape, Round Nose, Hot & Cold Blacksmiths), Meadville, Pa.
Chicago Tool & Kit Co., 160 Whiting, Chicago, Ill.
Cincinnati Tool Co. (Diamond Point, Half Round & Round Nose), Main & Waverly av, Cincinnati, O.
Cleveland Punch & Shear Works Co. (Diamond Point, Half Round Nose), 3917 St. Clair av N E, Cleveland Ohio
See adv index at end of book
CLEVELAND STEEL TOOL CO. (Cold, All Shapes), 662 E 82nd, Cleveland, O.
See adv index at end of book
Collins Co., Collinsville, Conn.
Cornwell Quality Tools Co., Dept. H, Cuyahoga Falls, O.
Crescent Tool Mfg. Co. (Machinists & Plugging), 1002 Cass av, St. Louis, Mo.
Cronk & Carrier Mfg. Co. (Cold Chisels Only), 150 Lake, Elmira, N. Y.
Dicke Tool Co., Downers Grove, Ill.
Drew C. & Co., Kingston, Mass.
Duffy J. F. Jr. (Cold), 563 Fulton, Chicago, Ill.
Duffy Mfg. Co., 214 W Grand av, Chicago, Ill.
Eagle Tool Works, Bayonne, N. J.
Enderes, Inc. (¼ "⅝" Cold, Round Nose Cape, etc.), Albert Lea, Minn.
Evansville Tool Works, 701 W Md., Evansville, Ind.
Fairmount Tool & Forging Co. ("Fairmount"), 10611 Quincy av, Cleveland, O.
Goodell-Pratt Co., Greenfield, Mass.
Hammond C. & Son (Cold), Ognotz, Pa.
Heller Bros. Co., 870 Mt Prospect av, Newark, N. J.
Hercules Heat Treating Co., 1647 E 14th, Oakland, Cal.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Iron City Tool Works (Ltd.), 3201 Smallman. Pittsburgh, Pa.
Kilborn & Bishop Co. (Drop Forged), 194 Chapel, New Haven, Conn.
Klein-Logan Co. (Cold, Hand Chipping), 13th & Breed, Pittsburgh, Pa.
Kraeuter & Co., 583 18th av, Newark, N. J.
Leetonia Tool Co., Leetonia, O.
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Marcy Tool Works, Putnam, Conn.
Mound Tool Co. (Engineers' Chums), 1203 S 7th, St. Louis, Mo.
Mueller Co., Decatur, Ill.
Osborne C. S. & Co., Box 183, Newark, N. J. *See adv index at end of book*
Peck, Stow & Wilcox Co. (Cold), Southington, Conn.
Phillips F. & Son, 1336 Greenmount av, Baltimore, Md.
Plomb Tool Mfg. Co., 2209 Santa Fe av, Los Angeles, Cal.
Plumb Fayette R. (Inc.), 4837 James, Phila., Pa.
Sargent & Co. (Cold), New Haven, Conn.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Smith H. D. & Co. ("Sharpen Ezy," Drop Forged), Plantsville, Conn.
Smith & Hemenway Co., Inc. (Cold), 261 B'way, New York, & 130 Colt, Irvington, N. J. *See adv index at end of book*
Snell Mfg. Co. (Cold Chisels Only), Fiskdale, Mass.
Stanley Rule & Level Plant (Atha Div.), New Britain, Conn.
Star Expansion Bolt Co., 145 Cedar, New York
Stortz Jno. & Son, 210 Vine, Phila. Pa.
Strong Machinery & Supply Co., 292-294 Church, New York
See adv index at end of book
Syracuse Twist Drill Co. ("Syracuse"), 936H Grape, Syracuse, N. Y.
Thomson Drop Forge Co., Plantsville, Conn.
Tuck Mfg. Co. (Cold), Brockton, Mass.
Van Doren Mfg. Co. ("Vandor") Chicago Heights, Ill.
Vaughan & Bushnell Mfg. Co. ("V & B" Cold), 2114 Carroll av, Chicago, Ill.
Verona Tool Works, Plum, Pittsburgh, Pa.
Vichek Tool Co. ("Vichek"), 8701 Mt. Auburn, Cleveland, O.
Warner Hammer Co., Cromwell, Conn.
Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.

2468—Chisels (Diamond Point)

Bernz Otto Co., Inc., 17 Ashland, Newark, N. J.
See adv index at end of book
Chicago Tool & Kit Co., 160 Whiting, Chicago, Ill.
Cincinnati Tool Co., Norwood, Cincinnati, O. *See adv index at end of book*
Enders, Inc., Albert Lea, Minn.
Fairmount Tool & Forging Co. ("Fairmount"), 10611 Quincy av, Cleveland, O.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Leetonia Tool Co., Leetonia, O.

2469— Chisels (Floor)

Bagshaw & Field, 445 N 5th, Phila., Pa.
Bernz Otto Co., Inc., 17 Ashland, Newark, N. J.
See adv index at end of book
Braunsdorf-Mueller Co., Elizabeth, N. J.
Buck Bros., Millbury, Mass.
Cincinnati Tool Co., Main & Waverly av, Cincinnati, Ohio
Eagle Tool Works, Bayonne, N. J.
Kilborn & Bishop Co., 194 Chapel, New Haven, Conn.
Kraeuter & Co., 583 18th av, Newark, N. J.
Mueller Co., Decatur, Ill.
Plomb Tool Mfg. Co., 2209 Santa Fe av, Los Angeles, Cal.
Plumb Fayette R. (Inc.), 4837 James, Phila., Pa.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Stanley Rule & Level Plant (Atha Div.), New Britain, Conn.
Stortz, Jno. & Son, 210 Vine Phila., Pa.
Van Doren Mfg. Co. ("Vandor"), Chicago, Heights, Ill.
Vichek Tool Co. ("Vichek"), 8701 Mt. Auburn, Cleveland, O.
Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.

2469a— Chisels (Foundry)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

2469b— Chisels (Hand)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Irving Co., Robert M., 310 E Genesee, Syracuse, N. Y.

2470—Chisels (Hollow Mortising, Etc.)

Buck Bros., Millbury, Mass.
Defiance Machine Works (Hub), Defiance, Ohio
Forest City Bit & Tool Co. (Common, Hub, Franking, etc), Rockford, Ill.
Greenlee Bros. & Co., 12th, Rockford, Ill.
Pugh Job T., 31st & Ludlow, Phila., Pa.
Star Bit & Tool Co. ("W"), Rockford, Ill.
Wysong & Miles Co., Jackson, Greensborough, N. C.

2471— Chisels (Ice)

See also Picks, Ice

American Fork & Hoe Co., Swetland bldg, Cleveland, O.
Browne W. G. Mfg. Co. ("Keen O"), Kingston, N. Y.
Browne & Dowd Mfg. Co. ("B. & D. C."), Meriden, Conn.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Deuse J. S. Chester, Conn.
Gifford-Wood Co., Hudson, N. Y.
Gilchrist Co., 236 Bank, Newark, N. J.
Landers, Frary & Clark (Steel Blades), New Britain, Conn.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Reading Saddle & Mfg. Co. (Steel), Reading, Pa.
Rocky Hill Hardware Co., Rocky Hill, Conn.

Stortz John & Co., 210 Vine, Phila., Pa.
Wagner Mfg. Co., Cedar Falls, Ia.
White Ira F. & Son Co., Bloomfield, N. J.
Williams A. C. Co., Ravenna, O.
Wrightsville Hardware Co., Wrightsville, Pa.

2471a— Chisels (Machine)

Irving Co., Robert M., 310 E Genesee, Syracuse, N. Y.

2472— Chisels (Oil Groove)

Fairmount Tool & Forging Co. ("Fairmount"), 10611 Quincy av, Cleveland, O
Van Doren Mfg. Co. ("Vandor" Machinists), Chicago Heights, Ill.

2473— Chisels (Plumbers')

Bernz Otto Co., Inc., 17 Ashland, Newark, N. J.
See adv index at end of book
Bicknell Mfg. & Supply Co., Janesville, Wis.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Buck Bros., Millbury, Mass.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Cincinnati Tool Co. (All Steel), Main & Waverly av, Cincinnati, O.
Fairmount Tool & Forging Co. ("Fairmount"), 10611 Quincy av, Cleveland, O.
Greenlee Bros. & Co., 12th, Rockford, Ill.
Phillips F. & Son, 1336 Greenmount av, Baltimore, Md.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Stortz Jno. & Son, 210 Vine, Phila., Pa.
Syracuse Twist Drill Co. ("Syracuse"), Borden av, Syracuse, N. Y.
Van Doren Mfg. Co. ("Vandor"), Chicago, Heights, Ill.
Washington Cutlery Co., Watertown, Wis.

2474— Chisels (Pneumatic)

Chicago Pneumatic Tool Co., 6 E 44th, New York *See adv index at end of book*
CLEVELAND PNEUMATIC TOOL CO. (Hammer), 3734 E 78th, Cleveland O.
See adv index at end of book
Cleveland Punch & Shear Works Co., 3917 St. Clair av N E, Cleveland, Ohio
See adv index at end of book
Cleveland Steel Tool Co. (Black and Dressed), 662 E 82nd, Cleveland, O.
See adv index at end of book
Cornwell Quality Tools Co., Dept. H, Cuyahoga Falls, O.
Duke Steel Co. Inc., 191 Pearl, New York
Helwig Mfg. Co., St. Paul, Minn.
Hunter Saw & Machine Co., 57th & Butler, Pittsburgh, Pa.
Independent Pneumatic Tool Co., 600 W Jackson, Chicago, Ill.
Keller Pneumatic Tool Co., Fond-du-lac, Wis.
Klein-Logan Co., 13th & Broad, Pittsburgh, Pa.
Knapp Plow Co., Inc., San Jose, Cal.
Lovejoy Tool Works, 319 W Ohio, Chicago, Ill.
Verona Tool Works, Plum, Pittsburgh, Pa.
Wissinoming Tool Works, Van Kirk & Trenton, Phila, Pa.

2474a—Chisels (Pneumatic Hammer)

CLEVELAND WROUGHT PRODUCTS CO., THE (Made from special analysis vanadium steel which, because of its wide hardening range, is easily redressed by any blacksmith. Will submit free samples for test purposes), 3400 W 58th st, Cleveland, Ohio
See adv index at end of book

2474b—Chisels (Round Nose)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

Chisels (Shingle Ripping)

See Bars, Carpenters'

Chisels (Ship)

See Chisels & Gouges, Carpenters'

2474c— Chisels (Side)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

2475—Chisels (Stone Cutters')

See also Drills, Stone

Anderson W. H. Tool & Sup. Co., 134 Brush, Detroit, Mich.
Brunner & Lay, 570 W Polk,, Chicago, Ill.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Cincinnati Tool Co., Main & Waverly av, Cincinnati, O.
Collins Co., Collinsville, Conn.
Crescent Tool Mfg. Co., 1002 Cass av, St. Louis, Mo.
Dallett Thos. H. Co., 165 N Clearfield, Philadelphia, Pa.
Fairmount Tool & Forging Co. ("Fairmount"), 10611 Quincy av, Cleveland, O.
Knapp Plow Co. Inc., San Jose, Cal.
Kraeuter & Co., 583 18th av, Newark, N. J.
Livingston Mfg. Co., Rockland, Me.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Phillips F. & Son, 1336 Greenmount av, Baltimore, Md.
Stanley Rule & Level Co. (Atha Division), New Britain, Conn.
Stortz Jno. & Son, 210 Vine, Phila., Pa.

2476— Chisels (Tile Setters')

Braunsdorf-Mueller Co., Elizabeth, N. J.
Knapp Plow Co. Inc., San Jose, Cal.
Kraeuter & Co., 583 18th av, Newark, N. J.

2477— Chisels (Track)

See also Tools, Track

Anderson W. H. Tool & Supply Co., 134 Brush, Detroit, Mich.
Beall Bros. (Inc.), Alton, Ill.
Collins Co., Collinsville, Conn.
Evansville Tool Works, 701 W Md., Evansville, Ind.
Fairmount Tool & Forging Co. ("Fairmount"), 10611 Quincy av, Cleveland, O.
Hubbard & Co., 63d & Butler, Pittsburgh, Pa.
Iron City Tool Works (Ltd.), 3201 Smallman, Pittsburgh, Pa.
Kalamazoo Ry. Supply Co., Kalamazoo, Mich.
Klein-Logan Co., 13th & Breed, Pittsburgh, Pa.
Knapp Plow Co. Inc., San Jose, Cal.
Leetonia Tool Co., Leetonia, O.
McInnies Steel Co. (Ltd.), Cory, Pa.
Plumb Fayette R. (Inc.), 4837 James, Phila., Pa.
Stanley Rule & Level Plant (Atha Div.), New Britain, Conn.
Vaughan & Bushnell Mfg. Co. ("V & B" Tool Steel), 2114 Carroll av, Chicago, Ill.
Verona Tool Works, Plum, Pittsburgh, Pa.
Warren Tool & Forge Co., 145 Griswold, Warren, O. *See adv index at end of book*
Warwood Tool Co., 19th, Warwood, Wheeling, W. Va.
Western Tool & Forge Co., Brackenridge, Pa.

Chisels (Turning)

See Chisels & Gouges, Carpenters

2478—Chisels & Gouges (Carpenters')

Bergholtz, Strodtz & Co., 2230 Ogden av, Chicago, Ill.
Bernz Otto Co., Inc., 17 Ashland, Newark, N. J.
See adv index at end of book
Braunsdorf-Mueller Co. (Carpenters, Plumbers & Turning), Elizabeth, N. J.
Buck Bros. (All kinds of Socket & Tang), Millbury, Mass.
Buffum Tool Co. ("Swastika" Plumbers' & Wood turners', all Steel Handle), South Side, Louisiana, Mo.
Cornwell Quality Tools Co., Dept. H, Cuyahoga Falls, Ohio
Crescent Co., Inc. ("Crescent"), Meriden, Conn.
Gardner Machine Works, Gardner, Mass
Greenlee Bros. & Co., 12th, Rockford, Ill.
Jennings C. E. & Co. ("C. E. J. & Co.'s," "J. & G. Mfg. Co."), 71 Murray, New York
Knapp Plow Co. Inc., San Jose, Cal.
Leetonia Tool Co., Leetonia, Ohio
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Peck Stow & Wilcox Co. ("Pexto"), Southington, Conn.
Plumb Fayette R. Inc., 4837 James, Phila., Pa.
Stanley Rule & Level Plant, New Britain, Conn.
Stortz John & Son Inc., 210 Vine, Phila., Pa.
Swan Jas. Co., Seymour, Conn.
Thomson Drop Forge Co., Plantsville, Conn.
Union Hardware Co., Torrington, Conn.
Vaughan & Bushnell Mfg. Co. (All Steel), 2114 Carroll av, Chicago, Ill.
Whitaker Mfg. Co. ("Triple Diamond"), 409 S. Green, Chicago, Ill.
White L. & J. Co. (Full Line), 120 Columbia, Buffalo, N. Y.
Williams & Wells Co. (Ship), 253 Fulton, New York *See adv index at end of book*
Winsted Edge Tool Works ("T. H. Witherby") Winsted, Conn.

2479-80-1—Chloral Hydrate

Knapp Plow Co. Inc., San Jose, Cal.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park Pl, New York.
Monsanto Chemical Works, St. Louis, Mo.
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.

2482— Chloride of Calcium

Dickinson Jno. Q. & Co. ("Kanawha"), Malden W. Va.
Dow Chemical Co., Midland, Mich.
Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Herrmann Geo. Co. (Dlrs), 300H Front, San Francisco, Cal.
Hooker Electric Chemical Co., 25 Pine, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Mathieson Alkali Works, 25 W. 43rd, New York
Pomeroy Chemical Co., Pomeroy, Ohio
Pomery Salt Assn. Co. ("Arctic"), Pomeroy, Ohio.
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Rhodes Jas. H. & Co., 2810 S Albany, Chicago, Ill.
Roessler & Hasslacher Chemical Co., 709 6th av, New York
Saginaw Chemical Co., Saginaw, Mich.
Schwenker Wm., 342 E 92d, New York
Scobell Chemical Supply Co. Inc., 131H Railroad, Rochester, N. Y.
Semet-Solvay Co. (Commercial), H, Milton av, Syracuse, N. Y.
Solvay Process Co., Syracuse, N. Y.
Stauffer Chemical Co., 624 California, San Francisco, Cal.
Van Schaack Peter & Sons (Jobbers, High Test), 310 W Wash., Chicago, Ill.
Wiarda John C. & Co. (Anhydrous, Powdered), 83 Provost, Brooklyn, N. Y.
See adv index at end of book

2483-4— Chloride of Lime

See also Powder Bleaching

Acme White Lead & Color Works, St. Aubin & M. C. RR., Detroit, Mich.
Champion Chemical Works, 19 W Austin, Chicago, Ill.
Cooper & Cooper Inc., 23H Cliff, New York
Dow Chemical Co., Midland, Mich.
Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Fuerst Bros. & Co. (Imported), 2 Stone, New York
Great Western Electro-Chemical Co., 9 Main, San Francisco, Cal.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Horton F. T. ("Robin Hood"), Hoboken, N. J.
MATHIESON ALKALI WKS. INC., 25 W 43rd, New York
See adv index at end of book
Michigan Electrochemical Co., Menominee, Mich.
Penn Chemical Works ("Banner"), 1332 Washington av, Phila., Pa.
Pennsylvania Salt Mfg. Co. (For Purifying Water), Widener bldg, Phila., Pa.
Platt H. B., 120 B'way, New York
Reichard-Coulston Co. (Imp.), 95 Madison av, New York
Riverside Mfg. Co., 4528 S B'way, St. Louis, Mo.
WIARDA JOHN C. & CO., 83 Provost, Brooklyn, N. Y.
See adv index at end of book

Chloride of Silver

See Silver Chloride

2485-6-7—Chloride of Sulphur

Dow Chemical Co. (Red & Yellow), Midland, Mich.
Great Western Electro-Chemical Co., 9 Main, San Francisco, Cal.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Highfield John W., 248 N 10th, Brooklyn, N. Y.
Hooker Electro Chemical Co., 25 Pine, New York
Isco Chemical Co., 46 Cliff, New York
Mallinckrodt Chemical Wks, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
NIAGARA SMELTING CORP., Niagara Falls, N. Y.
See adv index at end of book

SULPHUR CHLORIDE
NIAGARA SMELTING CORPORATION
NIAGARA FALLS NEW YORK

Savell, Sayre & Co. Inc. (Sulphuruyl), Lewiston rd, Niagara Falls, N. Y.

(Continued on following page)

Chloride of Sulphur—Continued

Scheel Wm. H. (Jobbers), 179 Water, New York *See adv index at end of book*
Semet-Solvay Co., Syracuse, N. Y.
Stamford Rubber Supply Co., Stamford, Conn.
Warner Chemical Co., 52 Vanderbilt av, New York

Chloride of Tin

See Tin Chloride

Chloride of Zinc

See Zinc Chloride

Chlorinated Lime

See Powders, Bleaching

2488— Chlorinators

Valhalla Co. (For Laundries), 231 S La Salle, Chicago, Ill.
Wallace & Tiernan Co. Inc. ("W. & T."), 1 Mill Bellville, Newark, N. J.

2488a— Chlorinators (Rotary)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

2489— Chlorine

Arnold Hoffman & Co., 55 Canal, Providence, R. I.
Clorax Chemical Corp. ("Clorax"), 850 42nd av, Oakland, Cal.
Electro Bleaching Gas Co. (Liquid), 18 E 41st, N. Y
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Great Western Electro Chemical Co. ("Bear"), 9 Main, San Francisco, Cal.
Hooker Electro Chemical Co. (Liquid & Derivatives), 25 Pine, New York
Isco Chemical Co. ("Isco" & Derivatives), 46 Cliff, New York
MATHIESON ALKALI WKS., INC. (Liquid & Chlorine Products), 25 W 43rd, New York
See adv index at end of book

MATHIESON
Liquid Chlorine-Caustic Soda-Soda Ash
Bleaching Powder-Anhydrous Ammonia
Modified Virginia Soda-Bicarbonate of Soda

"Eagle Thistle"
Liquid Chlorine

105 lb. and 150 lb. cylinders, one-ton containers, multi-unit or single-unit tank cars.

Warehouse stocks in all principal cities

The MATHIESON ALKALI WORKS Inc.
25 WEST 43rd STREET NEW YORK CITY

Pennsylvania Salt Mfg. Co. (Liquid), Widener bldg, Phila., Pa.
Semet-Solvay Co., Syracuse, N. Y.
Warner Chemical Co. ("Nelson" Cell), 52H Vanderbilt av, New York

2490— Chloroform

Dow Chemical Co. (U S P), Midland, Mich.
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park pl, New York
Midland Chemical Co., Midland, Mich.
New York Quinine Chem. Works, 135 William, New York
Niagara Smelting Corp., Niagara Falls, N. Y.
See adv index at end of book
Pfizer Charles & Co., 81 Maiden la, Neew York
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Riverside Mfg. Co., 4528 S B'way, St. Louis, Mo.
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book
Warner Chemical Co., 52 Vanderbilt av, New York

2491—Chocks (Boat & Ship)

American Engineering Co. ("A-E-Co"), Aramingo & Cumberland, Phila., Pa.
Gillie Machine Co., Tonawanda, N. Y.
Laughlin Thos. Co. (Also Bow, Closed, Combination, Double Head, Roller & Straight), 135 Fore, Portland, Me.
See adv index at end of book
Steward Davit & Equipment Corp., 17 Battery pl, N. Y.
Superior Iron Works Co. (Roller), Superior, Wis.
Thacher Propeller & Foundry Corp., Albany, N. Y.
Wilcox, Crittenden & Co., Inc. ("Skene"), 444 S. Main, Middletown, Conn.
See adv index at end of book
Williams & Wells Co., 253 Fulton, New York *See adv index at end of book*

2492— Choppers (Apple)

Boutell Mfg. Co., Rochester, N. Y.
Smith's Jno. E. Sons Co. ("Buffalo," Silent), Buffalo, N. Y.

Choppers (Ice)

See Breakers, Ice

2493-4—Choppers (Meat & Food)

American Cutlery Co. ("American"), 764 Mather, Chicago, Ill.
Athol Machine Co. ("American," for Hotels, Families, Butchers, etc), Athol, Mass.
Bolinders Co. ("Bolinders"), 39 Church, New York
Braun Co. ("Cole" Electric), 1625 N. 23rd, Phila., Pa.
Brecht Co., 1201 Cass av, St. Louis, Mo.
Cincinnati Butchers' Supply Co., 1972 Central av, Cincinnati, O.
Colebrookdale Iron Co. ("Keystone"), Pottstown, Pa.
Deer A. J. Co. ("Royal" Electric), Hornell, N. Y.
Enterprise Mfg. Co. of Pa. ("Enterprise"), 3d & Dauphin, Phila., Pa.
Gray Iron Foundry Co., Reading, Pa.
Griswold Mfg. Co. ("Griswold"), Erie, Pa.
Hobart Mfg. Co. (Electric & Gasoline), Troy, O.
Holwick B. C., 104 Market av., S., Canton, O.
Landers, Frary & Clark ("Universal," "Climax"), New Britain, Conn.
Louisville Machine Mfg. Co. (Electric), Louisville, Ohio
Master Cutter Mach. Co., North av, Oakley, Cincinnati, O.
National Specialty Mfg. Co., 3d & Lehigh av, Phila., Pa.
New Standard Hardware Works ("New Standard"), Mt. Joy, Pa.
Peden Iron & Steel Co. ("Columbia"), Houston, Texas
Reading Saddle & Mfg. Co. ("Reading," Hand Vegetable, etc), Reading, Pa.
Rollman Mfg. Co. ("Rollman" & "Joy"), Mt. Joy, Pa.
Russell & Erwin Mfg. Co. ("Russwin"), New Britain, Conn.
Sanders Mfg. Co. (Power), 294 8th av, Newark, N. J.
Sargent & Co. ("Gem"), New Haven, Conn.
Smith's John E. Sons Co., 50H Broadway, Buffalo, N. Y.
Steigert L. Co. (Also for Food, Belt Power), Logan & Elder, Cincinnati, O.
Steiner Mfg. Co. (Electrical), 4100 N 21st, St. Louis, Mo.
Steinfeld Bros. ("Steinfeld"), 116 W 32d, New York
Stimpson Scale & Mfg. Co., Northville, Mich.
Troemmer Hy., 911 Arch, Phila., Pa.

Chromate of Iron

See Iron Chromate

2495— Chrome Alum

Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Herrick & Voight, 99 John, New York
Innis, Speiden & Co. Inc., 46 Cliff, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Monsanto Chemical Works, 1800 S. 2d, St. Louis, Mo.
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book
Verona Chemical Co., Verona av, Newark, N. J.

2496— Chrome Black

Butterworth Judson Corp. (Blue, Black R, Black FF), 30 Church, New York
Central Dyestuff & Chemical Co., Newark, N. J.
Dye Products & Chemical Co., Inc., 200 5th av, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Klipstein A. & Co. (Also Liquid), 644 Greenwich, New York
Reisig Chas. H. ("Imperial"), for Tanners, etc) (Imp.), 269 Water, New York
Wetterwald & Pfister Co., 276 Spring, New York

2496a— Chrome Blue

Central Dyestuff & Chemical Co., Newark, N. J.
Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Wetterwald & Pfister Co., 276 Spring, New York

2497— Chrome Bordeaux

Butterworth-Judson Corp., 30 Church, New York

2497a— *Chrome Brown

Butterworth-Judson Corp. (S. W. & B. Extra), 30 Church, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*

2497b— *Chrome Cyanide

Butterworth-Judson Corp. (R. R. Ex. Cone, R. V. B. B. R. R. V.), 61 B'way, New York.
Fergusson Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*

2498— Chrome Green

Am. Aniline Products, Inc., 80 Fifth av, New York
Butterworth-Judson Corp. (2 B. Supra & M. I. C.), 30 Church, New York
Campbell John & Co., 75 Hudson, New York
Drakenfeld B. F. & Co. Inc. (Mfrs.), 50 Murray, New York
Ferguson Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Imperial Color Works, Glens Falls, N. Y.
National Sales & Trading Co., Cleveland, Ohio
United Color & Pigment Co., Waverly, Newark, N. J.
Waldo E. M. & F. (Selling Agts.), 11 B'way, New York
Wetterwald & Pfister Co., 276 Spring, New York

2499— Chrome Oxide

Cooper Chas. & Co., 194H Worth, New York
Cooper & Cooper Inc., 23H Cliff, New York
Drakenfeld B. F. & Co. Inc. (Mfrs.), 50 Murray, New York
Foote Mineral Co., 109 N. 19th, Phila., Pa.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Imperial Color Works, Glens Falls, N. Y.
Klipstein A. & Co. (Imp), 644 Greenwich, New York
National Sales & Trading Co. (I. R. Green), Cleveland, Ohio.
Roessler & Hasslacher Chemical Co. (Green), 709 6th av, New York
See adv index at end of book
Uhlich Paul & Co. (Imp), 11 Cliff, New York
Vitro Mfg. Co., H Bessemer bldg., Pittsburgh, Pa.
Wetterwald & Pfister Co., 276 Spring, New York
Wiarda John C. & Co. (Also Fluoride), 83 Provost, Brooklyn, N. Y.
See adv index at end of book

2499a— Chrome (Red)

Campbell John & Co., 75 Hudson, New York
Dye Products & Chemical Co., Inc., 200 5th av, New York
Imperial Color Works, Glens Falls, N. Y.
Wetterwald & Pfister Co., 276 Spring, New York

2499b— *Chrome Violet

Butterworth-Judson Corp. (S. W.), 30 Church, New York

2500— Chrome Yellow

Am. Aniline Products, Inc., 80 Fifth av, New York
Atlantic Dyestuffs Co., 83 Ames bldg, Boston, Mass.
Campbell John & Co., 75 Hudson, New York
Chrome Color Works (All Shades), Matawan, N. J.
Ciba Co. Inc., 134 Cedar, New York
Dye Products & Chemicals Co., Inc., 200 5th av, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Howell C. H. & Co. ("Queens"), 212 Race, Phila., Pa.
Imperial Color Works, Glens Falls, N. Y.
Jaenecke-Aultho, Newark, N. J.
Metals Extraction Corp., 5501 Boyle av, Huntington Park, Los Angeles, Cal.
Nat'l Gum & Mica Co., 12 N. End av., New York
National Sales & Trading Co. (C. P.), Cleveland, Ohio
United Color Pigment Co., Evergreen av, Newark, N. J.
Wood's Henry Sons Co., Wellesley, Mass.

Waldo E. M. & F. (Selling Agts.), 11 B'way, New York
Wetterwald & Pfister Co., 276 Spring, New York
Wolf Jacques & Co., 369 Harrison, Passaic, N. J.

2501— Chromium

Durfee Winthrop C. (Special Preparations for Dyeing & Tanning), 516 Atlantic av, Boston, Mass.
Foote Mineral Co. (Imp.), 109 N. 19th, Phila., Pa.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Metal & Thermit Corp., 120 B'way, New York
Pfaltz & Bauer (Sulphate, Imp), 300 Pearl New York
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
York Ferro Alloys Co., York, Pa.

2501a— Chromium Acetate

Wolf Jacques & Co., Passaic, N. J.

2501b— Chromium Fluoride

Apex Chemical Co., 461 8th av, New York
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

2502—Chromium Metal, Ferro and Miscellaneous Alloys

ELECTRO - METALLURGICAL SALES CORP., Carbide & Carbon bldg, New York

2502a— Chromium Oxide

HARSHAW, FULLER & GOODWIN CO., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

2502b— Chromium Sulphate

Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.

2503— Chronographs

Bausch & Lomb Optical Co., Rochester, N. Y.
Du Vivier Ernest H. (Imp), 30 Church, New York
Gaertner Wm. & Co., 5345 Lake Park av, Chicago, Ill.
International Instrument Co., 23 Church, Cambridge, Mass.
Queen-Gray Co., 64H W. Johnson, Phila., Pa.

2504— Chronometers

Bond Wm. & Son (Marine, Sidereal & Electric Break Circuit), 9 Park, Boston, Mass.
Lietz A. Co., 61 Post, San Francisco, Cal.
Medinger Thos. G. (Marine & Pocket), 16 Beaver, New York
Merrill's Robt. Sons, 66 South, New York
Nautical Instrument Mfg. Co., Inc., 82 Beaver, New York
Negus T. S. & J. D., 140 Water, New York
Riggs & Bro. (Nautical, etc), 310 Market, Phila., Pa.
Rupp Michael & Co. (Nautical, etc), 112 Broad, New York

2504a— Chrysoidine

Ciba Co. Inc., 134 Cedar, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Metz H. A. & Co., Inc., 122 Hudson, New York
National Gum & Mica Co., 12 N End av, New York

2505—Chucks (Air Operated)

Efficiency Device Corp (For Auto Tires), 199 8th, Long Island City, N. Y.
Frontier Chuck & Tool Co., Lavoie, 30 Letchworth, Buffalo, N. Y.
Gisholt Machine Co., Madison, Wis.
Manufacturers Equipment Co., Waller av & Fillmore, Chicago, Ill.
S. P. Manufacturing Co., 872 E. 72nd, Cleveland, Ohio

2506— Chucks (Bit Brace)

Braunsdorf-Mueller Co., Elizabeth, N. J.
Imboden I. C. Mfg. Co. ("I. C. I."), Cleona, Pa.
Lockwood Sprinkler Co. of Mass., 38 Harlow, Worcester, Mass.
Millers Falls Co. ("Millers Falls"), Dept. H, Millers Falls, Mass.

2507—Chucks (Boring & Turning Mill)

Bullard Machine Tool Co., Brewster & Canfield av, Bridgeport, Conn.
Cushman Chuck Co., 806 Windsor, Hartford, Conn.
Gisholt Machine Co., Madison, Wis.
Horton E. & Son Co., Windsor Locks, Conn.
Niles-Bement-Pond Co., 111 B'way, N. Y.
See adv index at end of book
Union Mfg. Co. ("Union"), 300 Church New Britain, Conn.
Westcott Chuck Co., Oneida, N. Y.
Whiton D. E. Mfg. Co., Howard & Oak, New London, Conn.

2508-9—Chucks (Car Wheel)

Hoggson & Pettis Mfg. Co. ("Sweetland"), New Haven, Conn.
Horton E. & Son Co., Windsor Locks, Conn.
Skinner Chuck Co., New Britain, Conn.
Union Mfg. Co. ("Union"), 300 Church, New Britain, Conn.
Westcott Chuck Co., Oneida, N. Y.
Whiton D. E. Mfg. Co., Howard & Oak, New London, Conn.

Chucks (Centering)

See Chucks, Lathe

2510— Chucks (Drill)

Almond T. R. Mfg. Co. ("Almond" Standard & Geared), Ashburnham, Mass.
Brown R. H. & Co. ("Reed"), 198H Brown, West Haven, Conn.
Buffalo Forge Co. ("Buffalo Sure Grip"), 490 B'way, Buffalo, N. Y.
Canedy-Otto Mfg. Co., Chicago Heights, Ill.
Clark Equipment Co. ("Celfor" & "Rich"), Buchanan, Mich.
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O. *See adv index at end of book*
Collis Co. ("Wonder"), Clinton, Iowa
CONSOLIDATED MACH. TOOL CORP. OF AMER., (Also for Reamers and Counterbores, Taps, etc.), Rochester, N. Y. *See adv index at end of book*
Cushman Chuck Co., 806 Windsor, Hartford, Conn.
Detroit Twist Drill Co. ("Graham"), 555 Fort, Detroit, Mich.
Eastern Tube & Tool Co. Inc. ("Ettco"), 594 Johnson av, Brooklyn, N. Y.
See adv index at end of book
Goodell Mfg. Co. ("Greenfield"), Greenfield, Mass.
Goodell-Pratt Co. ("Goodell-Pratt" & "Greenfield"), Greenfield, Mass.
Handlan-Buck Mfg. Co. ("Handlan"), 210-14 N 3rd, St. Louis, Mo.
Horton E. & Son Co. ("Horton," "Morrow" Hand Operated Ball Bearing), Windsor Locks, Conn.
Jacobs Mfg. Co. ("Jacobs"), 894 Park, Hartford, Conn.
Lenz, Jos., 199H Franklin, New York
McCrosky Tool Corp. ("Quick Change" "Wizard"), Dept. H, Meadville, Pa.
Millers Falls Co. ("Millers Falls"), Dept. H, Millers Falls, Mass.
Moller Machine Co. (Oval), New Rochelle, N. Y.
Morse Twist Drill & Machine Co. ("Morse Beach," "Morse Stetson" & Center Drill), New Bedford, Mass.
Narragansett Machine Co. ("Coit"), Providence, R. I.
National Twist Drill & Tool Co., Detroit, Mich.
Ney J. M. Co. ("Ney"), Hartford, Conn.
Nielson-Barton Chuck Co. ("Nebaco," "Elypse"), 106 Jefferson, Chicago, Ill.
North Bros. Mfg. Co. ("Yankee"), Lehigh av & American, Phila., Pa.
Production Engineering Corp., Canastota, N. Y.
Rich Tool Co., Ry. Exch. bldg, Chicago, Ill.
Skinner Chuck Co. ("Skinner," "Standard," "New Model," "Geared Patern," "Positive Drive," "Pinion Key"), New Britain, Conn.
SMITH & HEMENWAY CO., INC. ("Giant"), 261 H. B'way, New York, & 130 H. Coit, Irvington, N. J.
See adv index at end of book
Standard Tool Co., 6700 Central v, Cleveland, O.
Titan Tool Co. ("Titan"), Erie, Pa.
Trump Bros. Machine Co. ("Trump"), Dept. H, Beach & Anchorage, Wilmington, Del.
Union Mfg. Co. ("Czar"), 300 Church, New Britain, Conn.
Victor Tool Co. ("Victor"), Waynesboro, Pa.
Wahlstrom Tool Co. (Automatic), 5520 2d av, Brooklyn, N. Y.
Weaver Mfg. Co. ("Weaver" Roller Jaw), Springfield, Ill.
Westcott Chuck Co. ("The Westcott," "Oneida" & "Little Giant"), Oneida, N. Y.
Whitney Mfg. Co. ("Presto"), Hartford, Conn.
Whiton D. E. Mfg. Co., Howard & Oak, New London, Conn.

2511— Chucks (Engravers')

Kohaut John C., 117 Green, Newark, N. J.

2512— Chucks (Expanding)

CHICAGO PNEUMATIC TOOL CO., 6 E 44th, New York
See adv index at end of book

2513— Chucks (Grinder)

Badger Tool Co., Beloit, Wis.
Garrison Machine Works, Dayton, Ohio
Graham Mfg. Co., 96 Point, Providence, R. I.
Hoggson & Pettis Mfg. Co., 161H Brewery, New Haven, Conn.
Horton E. & Son Co., Dept. H, Windsor Locks, Conn.

2514— Chucks (Jaw)

American Tool & Machine Co., 10 High, Boston, Mass.
Ames B. C. Co. ("Ames"), North Station, Waltham, Mass.
See adv index at end of book
Cleveland Twist Drill Co. (Two Jaw), 1 E 49th, Cleveland, O.
See adv index at end of book
Cushman Chuck Co. (Face Plate), 806 Windsor, Hartford, Conn.
Gisholt Machine Co. (Three or Four Jaw), Madison, Wis.
Hoggson & Pettis Mfg. Co. ("Sweetland" Two Jaw Slip), 161 Brewery, New Haven, Conn.
Horton E. & Son Co. (Reversible), Windsor Locks, Conn.
Quick-Change Chuck Mfg. Co., Arcanum, Ohio
Union Mfg. Co. ("Union"), 300 Church, New Britain, Conn.
Weaver Mfg. Co. ("Weaver" Roller), Springfield, Ill.
Whiton D. E. Mfg. Co., Howard & Oak, New London, Conn.

2515— Chucks (Lathe)

Almond T. R. Mfg. Co. ("Almond" Geared Scroll, Combination), Ashburnham, Mass.
American Tool & Machine Co., 10 High, Boston, Mass.
Bullard Machine Tool Co., Brewster & Canfield av, Bridgeport, Conn.
Carroll Jamieson Machine Tool Co., Batavia, O.
Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.
Commonwealth Supply Co. ("Moss Universal" for Loomotive Driving Boxes), Mutual bldg, Richmond, Va.
Cushman Chuck Co., 806 Windsor, Hartford, Conn.
Foster Mach. Co., Elkhart, Ind.
Gisholt Machine Co. (6 inch, 13½ inch, 18 inch, 24 inch, 28 inch, 32 inch Hand and Air Operated Three Jawed Geared Scroll, 3 and 4 Jawed Combination, 4 Jawed Independent), 1315 E Washington, Madison, Wis.
Hoggson & Pettis Mfg. Co. ("Sweetland"), New Haven, Conn.
Horton E. & Son Co., Windsor Locks, Conn.
Leavitt Machine Co., Orange, Mass.
Millers Falls Co. ("Millers Falls"), Dept. H, Millers Falls, Mass.
Simplex Tool Co., Woonsocket, R. I.
Skinner Chuck Co. ("Skinner"), New Britain, Conn.
Strobl Mfg. Co., 1134 W Lake, Chicago, Ill.
Terkelsen & Wennberg ("T. W."), 328A Boston, Mass.
Thomas Elevator Co. (Wrenches), 20 S Hoyne, Chicago, Ill.
Union Mfg. Co. ("Union"), 300 Church, New Britain, Conn.
Westcott Chuck Co. (The "Westcott Combination," Independent, Universal & Eccentric), Oneida, N. Y.
Whiton D. E. Mfg. Co. ("Whiton"), Howard & Oak, New London, Conn.

2516— Chucks (Lever)

Potter & Johnston Machine Co. ("Universal Automatic"), Pawtucket, R. I.
Skinner Chuck Co., New Britain, Conn.
Westcott Chuck Co., Oneida, N. Y.

2517— Chucks (Magnetic)

Besly Chas. H. & Co. ("Besly" Rotary), 118 N Clinton, Chicago, Ill.
D. & W. Fuse Co., Hathaway, Providence, R. I.
Diamond Mach. Co., Providence, R. I.
Heald Machine Co. ("Heald"), Worcester, Mass.
Taft-Peirce Mfg. Co., Woonsocket, R. I.
Walker O. S. Co., 12 Westland, Worcester, Mass.

2518—Chucks (Milling Machine)

Brown & Sharpe Mfg. Co., Providence, R. I.
Hoggson & Pettis Mfg. Co., 161H Brewery, New Haven, Conn.
Horton E. & Son Co., Windsor Locks, Conn.
Terkelsen & Wennberg, 328A Boston, Mass.
Union Mfg. Co. ("Union"), 300 Church, New Britain, Conn.
Whiton D. E. Mfg. Co., Howard & Oak, New London, Conn.

2519— Chucks (Nipple)

Bignall & Keeler Machine Works, Edwardsville, Ill.
Jarecki Mfg. Co., Erie, Pa.
Murchey Machine & Tool Co. ("Quick-Acting"), 85 Porter, Detroit, Mich.

2520-1— Chucks (Planer)

Cincinnati Planer Co., 3120 South, Oakley, Cincinnati, O.
Horton E. & Son Co., Windsor Locks, Conn.
Skinner Chuck Co. ("Skinner"), New Britain, Conn.
Union Mfg. Co. ("Union"), 300 Church, New Britain, Conn.

2521a— Chucks (Pneumatic)

Neidow & Payson Co., 9 S. Clinton, Chicago, Ill.
S. P. Manufacturing Co., 872 E 72d, Cleveland, O.

2522— Chucks (Projectile)

Horton E. & Son Co., Dept. H. Windsor Locks, Conn.
Union Mfg. Co. ("Union"), 300 Church, New Britain, Conn.

2523— Chucks (Revolving)

Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Scott & Sons Co. ("Ess-Ess"), Medford, Mass.

2523a—Chucks (Ring Wheel)

Gardner Machine Co., Thompson st, Beloit, Wis.
See adv index at end of book

2524—Chucks (Screw Machine)

Foster Mach. Co., Elkhart, Ind.
Garvin Machine Co., 147 Varick, New York
Gisholt Machine Co., Madison, Wis.
Horton E. & Son Co., Windsor Locks, Conn.
Procunier Wm. L. (Tapping), 18 S Clinton, Chicago, Ill.
Union Mfg. Co. ("Union"), 300 Church, New Britain, Conn.
Westcott Chuck Co. ("Westcott Little Giant"), Oneida, N. Y.
Whiton D. E. Mfg. Co., Howard & Oak, New London, Conn.

2525-6-7— Chucks (Scroll)

Cushman Chuck Co., 806 Windsor, Hartford, Conn.
Gisholt Machine Co., Madison, Wis.
Goodell-Pratt Co., Greenfield, Mass.
Hoggson & Pettis Mfg. Co. ("Sweetland" Geared), New Haven, Conn.
Horton E. & Son Co., Windsor Locks, Conn.
Skinner Chuck Co. ("Skinner"), New Britain, Conn.
Terkelsen & Wennberg ("T. W."), 328A Boston, Mass.
Union Mfg. Co. ("Union" Geared), 300 Church, New Britain, Conn.
Westcott Chuck Co., Oneida, N. Y.
Whiton D. E. Mfg. Co., Howard & Oak, New London, Conn.

2528— Chucks (Split)

AMES B. C. CO. ("Ames"), North Station, Waltham, Mass.
See adv index at end of book
Hardinge Bros., Inc. (Draw Back & Thrust), 1770 Bertau av, Chicago, Ill.
Nelson-Blanck Mfg. Co., Dubois & Clay av, Detroit, Mich.
Rivett Lathe & Grinder Co. (Self-Centering), 2 Brooks, Brighton, Boston, Mass.
Sloan & Chace Mfg. Co., 351 6th av, Newark, N. J.

2529— Chucks (Spring)

Clough R. M., Tolland, Conn.
Morrison Machine Products, Inc., 15 Commercial, Rochester, N. Y.

2530— Chucks (Tapping)

Barber-Colman Co. (And Vise), Rockford, Ill.
Bicknell-Thomas Co. ("Bicknell-Thomas"), Greenfield, Mass.
Consolidated Mach. Tool Corp. of Amer. ("Magic"), Rochester, N. Y.
See adv index at end of book
Decatur Pump & Mfg. Co. (Friction), Decatur, Ill.
EASTERN TUBE & TOOL CO. INC., 594 Johnson av, Brooklyn, N. Y.
See adv index at end of book

ETTCO
DRILL CHUCK
HAND OPERATED
SELF TIGHTENING
NO KEY *NO TROUBLE*
EASTERN TUBE & TOOL CO., Inc.
594 Johnson Ave. Brooklyn, N. Y.

Errington F. A. (Auto Reverse), 11 John, New York
Horton E. & Son Co., Windsor Locks, Conn.
McCrosky Tool Corp., Dept. H, Meadville, Pa.
Peter Bros. Mfg. Co. ("Woodstock"), ("Safety"), Algonquin, Ill.
Procunier Wm. L. ("Double Jaw" Safety), 18 S Clinton, Chicago, Ill.
St. Louis Machine Tool Co., 922 Loughborough, St. Louis, Mo.
Scully Jones & Co., Railway Exchange, bldg, Chicago, Ill.
Skinner Chuck Co. ("Skinner," "Positive Drive"), New Britain, Conn.
Westcott Chuck Co., Oneida, N. Y.
Whitney Mfg. Co. ("Presto"), Hartford, Conn.

2531—Chucks (Track Drill)

Handlan-Buck Mfg. Co. ("Handlan"), 210-14 N 3rd, St. Louis, Mo.

2532—Chucks (Wire or Wheel)

Ames B. C. Co. ("Ames"), North Station, Waltham, Mass.
See adv index at end of book
Hardinge Bros., Inc., 1770 Bertau av, Chicago, Ill.
Welch T. F. Co., 55 Sudbury, Boston, Mass.

Church Seating

See Furniture, Church

2533—Church Spires Repaired

Wightman Andrew, Peekskill, N. Y.

2534— Churn Dashers

Piqua Handle & Mfg. Co., P. O. Box 807, Piqua, O.
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book

2535— Churns

See also Dairy Apparatus & Supplies
American Stamping & Enameling Co. (Enameled Steel), Bellaire, O.
Babcock W. W. Co. ("Jackson"), Bath, N. Y.
Brown M. Co. ("Brown," "Bent Wood," "Ash Dash"), Wapakoneta, O.
Burrell D. H. & Co., Inc. ("Burrell-Simplex" Power Churn and Butter Worker, Combined for Creameries, etc.), Little Falls, N. Y.
Cherry J. G. Co. (Power Driven), Cedar Rapids, Iowa
Constance Lumber Co., Mansfield, O.
Creamery Package Mfg. Co. ("C. P." "Dual" "Master Dual"), 61 W Kinzie, Chicago, Ill.
Davis-Watkins Dairymen's Mfg. Co., North Chicago, Ill.
Dazey Churn Co. ("Dazey" Glass, Metal, Hand & Power), 4301 Warne, St. Louis, Mo.
Dobson Mfg. Co. ("Favorite," Barrels, Revolving, 6 to 90 gallons), Rockford, Ill.
Hall Bros. Co. ("Blanchard" & "Lightning"), West Acton, Mass.
Hill Wm. C. (Dairy & Creamery), Brasher Falls, N. Y.
Jensen Creamery Machy. Co., Nelson & Locust av, Bloomfield, N. J.
Kohler Die & Specialty Co., De Kalb., Ill.
Landers, Frary & Clark ("Universal" Hand), New Britain, Conn.
Lisk Mfg. Co. (Ltd.) ("Lisk" Anti-Rust Tinware), Canandaigua, N. Y.
Lown & Son, Poughkeepsie, N. Y.
McDermaid J. ("Belle," "Star," White Oak Barrel Revolving, Power, etc, 10 to 100 Gallons), Rockford, Ill.
Owatonna Fanning Mill Co. ("New Owatonna"), Owatonna, Minn.
Owatonna Mfg. Co. ("Dual"), Owatonna, Minn.
Richmond Cedar Works ("White Cedar," Cylinder, Staff or Dash), Fulton, Richmond, Va.
Solar-Sturges Mfg. Co. ("Sturges Steel"), 838 W Congress, Chicago, Ill.
Standard Churn Co. ("By-Lo," "Home Butter Maker," "O K," "Standard" Glass & Anti-Bentwood Barrel, Revolving, Box Factory, Ash Dash up to 12 gallons), Wapakoneta, O.
Sturges & Burn Mfg. Co. (Steel), 838 W Congress, Chicago, Ill.
Superior Churn & Mfg. Co. ("Superior," Stoneware Barrel, Glass Top), Northville, Mich.
Uhl Pottery Co. (Stoneware), Evansville, Ind.
Vermont Farm Machine Co. ("Vermont," "Davis," Swing, Cypress, Oak & Pine), Bellows Falls, Vt.

2536— Churns (Creamery)

Burrell D. H. & Co. Inc. ("Burrell-Simplex" Square Box), Little Falls, N. Y.
Cherry J. G. Co. (Power Driven), Cedar Rapids, Iowa.
Creamery Package Mfg. Co. ("C. P."), 61 W Kinzie, Chicago, Ill.
Minnetonna Co., Owatonna, Minn.
Oakes & Burger Co. (Square Box & "Cattaraugus," "Victor," "Disbrow" Churn & Worker "Bell" Barrel, etc), Cattaraugus, N. Y.
Vermont Farm Machine Co. ("V. F. M."), Bellows Falls, Vt.

2536a—Churns (Rubber Cement)

American Tool & Machine Co., 10 High, Boston, Mass.
Ross Charles & Son Co., 148 Classon av, Brooklyn, N. Y.

2537— Chutes (Coal)

ALVEY-FERGUSON CO., 70 North av, Oakley, Cincinnati, O.
American Coal Chute Co., 14 Buffington av, Newark, N. J.
Amos Chas. & Co. Inc., 3000 Hart av, Detroit, Mich.
Anderson W. H. Tool & Supply Co., 134 Brush, Detroit, Mich.
Archer Iron Works, 2436 W. 34th pl, Chicago, Ill.
Artistic Iron Works ("Hercules"), 29 Montgomery, Spokane, Wash.
Beckley Perforating Co., Garwood, N. J.
Bergen Point Iron Works, Bayonne, N. J.
Binghamton Mfg. Co., Binghamton, N. Y.
Burrel Engineering Construction Co., 823 S La Salle, Chicago, Ill.
CANTON FDRY. & MACH. CO. ("Canton"), Canton, O.
See adv index at end of book
Channon Jas. H. Mfg. Co. (Ore Wagon), 227 W Erie, Chicago, Ill.
Chattanooga Boiler & Tank Co., 1011 E Main, Chattanooga, Tenn.
Church Appliance Mfg. Co. ("Ottomatic"), La Salle, Ill.
Clark W. J., Co., Salem, O.
Columbia Iron & Wire Wks Co. ("Columbia" for Residences, Stores, Public Buildings, etc.), 1006 9th, S W, Canton, O.
Columbus Structural Steel Co., Columbus, Ohio
Consolidated Iron Works, Hoboken, N. J.
Covert H. W. Co. (Iron Coal Windows), 137 E 46th, New York
Decatur Cornice & Roofing Co., New Decatur, Ala.
Desmond M. Mfg. Co., Edwardsville, Ill.
Diamond Machine Co., Monongahela, Pa.
DONLEY BROS. CO. (THE) ("Donley"), 13935 Miles av, Cleveland, O.
See adv index at end of book
Eagle Iron Works (For Mines), Des Moines, Ia.
Enterprise Iron Wks., Albert Lea, Minn.
Fairbanks-Morse & Co., 900 S Wabash av, Chicago, Ill.
Fairmont Mining Machinery Co. (For Mines), Fairmont, W. Va.
Gordon Lawless Co., Omaha, Neb.
Grand Rapids Foundry Co. ("Roenius," one piece steel), Grand Rapids, Wis.
Harold Furnace & Mfg. Co., E 3310 Sprague av, Spokane, Wash.
Hastings Equity Grain Bin Mfg. Co., Hastings, Neb.
Hastings Foundry & Iron Works ("Queen City" Window), Hastings, Neb.
Helmick Foundry & Machine Co., Fairmont, W. Va.
Heltzel Steel Form & Iron Co., The (& Coal Mine), Warren, O.
See adv index at end of book
Hendrick Mfg. Co., Carbondale, Pa.
Holland Furnace Co. (Window), Holland, Mich.
Holmes Robt. & Bros. (For Mines), Danville, Ill.
Homer Furnace Co. ("Homer"), Coldwater, Mich.
Howe Scale Co. of Illinois, 1222 S Wabash av, Chicago, Ill.
Hunt C. W. Co, West New Brighton, N. Y.
See adv index at end of book
Indiana Foundry Co., Indiana, Pa.
International Steel & Iron Co. Inc., 1243 Edgar, Evansville, Ind.
JEFFREY MFG. CO (Chutes & Screens Combined), 961 N Fourth, Columbus, O. *See adv index at end of book*
Kewanee Mfg. Co. (Cellar Window), Kewanee, Ill.
Klauer Mfg. Co., Dubuque, Iowa.
Koller E. L. Mfg. & Coal Chute Co. (Galvanized), 276 Sussex av, Newark, N. J.
KOVEN L. O. & BRO., INC. (Made of sheet steel or monel metal for coal, chemicals, provisions, etc.)
Kramer Bros. Foundry Co., 55 Dell, Dayton, O.
Lansing Co., Lansing, Mich.
Leavitt Mfg. Co. ("Leavitt"), 366 Griggs, Urbana, Ill.
Lee Loader & Body Co., 2343 So La Salle, Chicago, Ill.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Littleford Bros. (Steel), 444 E Pearl, Cincinnati, O. *See adv index at end of book*
Lucas A. & Sons (For Dwellings), 1329 S Washington, Peoria, Ill.

Majestic Co. ("Majestic" Foundation (Residence, Store, Gradine, for Wood, Coal, Vegetables, etc.), 610 Erie, Huntington, Ind.
Nelson N. P. Iron Works, 216 40th, Brooklyn, N. Y.
New Haven Boiler Works, Inc., 37 Mill, New Haven, Conn.
Ohio Galvanizing & Mfg. Co. (Steel), Niles, Ohio
Peerless Mfg. Co., 15th & Ormsby, Louisville, Ky.
Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.
PETROLEUM IRON WORKS CO. OF OHIO, Sharon, Pa.
See adv index at end of book
Price-Evans Foundry So., Anderson, Chattanooga, Tenn.
Quaker City Iron Works, Tioga & Richmond, Phila., Pa.
Raub Supply Co., Lancster, Pa.
Remaly Mfg. Co., Tamaqua, Pa.
Republic Structural Iron Wks Co., 1350 E 53rd, Cleveland, O.
Rex-Harris Fire Appliance Co. (Iron), 310 W. 39th, New York
Richards Iron Work ("Model") Burglar Proof, Also for Wood & Vegetables, Also Flush Sidewalk Chutes), Manitowoc, Wis.
Sackett Screen Co., Fredonia, N. Y
Sackett H. B. Screen & Chute Co. (For Coal Yards), 1691 Elston av, Chicago, Ill.
South Side Fdry. & Mach. Wks., Charleston, W. Va.
Steel Basket Co., Cedar Rapids, Ia.
Sterling Foundry Co. ("Best" Fuel Chute "Star"), Sterling, Ill.
Stuebner G. L. Iron Works, Queensboro Terminal, Long Island City, N. Y.
Turl Iron & Car Co. Inc. The, 50 Broad, New York. Works: Newburgh, N. Y.
Union Iron Works, Hoboken, N. J.
U. S. Cast Iron Pipe & Foundry Co., Burlington, N. J.
Wagner Mfg. Co., Sidney, Ohio
Waterloo Register Co., Waterloo, Ia.
York Foundry & Engine Works (Cellar), York, Neb.

2538—Chutes (Coal, Foundation Wall)

Covert H. W. Co., 137 E 46th, New York
DONLEY BROS CO. (THE), 13935 Miles av, Cleveland, O.
See adv index at end of book
JACKSON EDWIN A & BRO. (Inc.), ("Majestic"), 50 Beekman, New York
See adv index at end of book

2539—Chutes (Coal, Locomotive Coaling, Etc.)

Chain Belt Co., Milwaukee, Wis.
See adv index at end of book
Dempey Degener Co., 703 Penn av, Pittsburgh, Pa.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Heltzel Steel Form & Iron Co., The, Warren, O.
See adv index at end of book
Hunt C. W. Co., West New Brighton, N. Y.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Munroe R. & Sons Mfg. Corp., 23rd & Smaliman, Pittsburgh, Pa.
Nelson N. P. Iron Works, 216 40th, Brooklyn, N. Y.
Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.
PITTSBURGH-DES MOINES STEEL CO., 304 Curry bldg., Pittsburgh, Pa.
See adv index at end of book
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book

2540— Chutes (Concrete)

Archer Iron Wks., 2436 W 24th pl, Chicago, Ill.
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Insley Mfg. Co. (Open, Closed & Flexible, with Accessories), 3500 E. St. Clair, Indianapolis, Ind.
Koven L. O. & Bro. Inc. (Made of sheet steel or monel metal for coal, chemicals, provisions, etc.), 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Lakewood Engng. Co., Cleveland, O.
Ransome Concrete Machinery Co., Dunellen, N. J.
Union Iron Works, Hoboken, N. J.

2541—Chutes (Ice Recording)

Jamison Cold Storage Door Co., Hagerstown, Md.
Jones R. E. ("Victor"), Hagerstown, Md.
Koven L. O. & Bro. Inc. (Made of sheet steel or monel metal for coal, chemicals, provisions, etc.), 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Stevenson Cold Storage Door Co., Chester, Pa.
Victor Cooler Door Co., Hagerstown, Md.

2542— Chutes (Package)

See also Conveyors, Gravity
Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Dow Wire & Iron Works ("Dow" Spiral, etc), Louisville, Ky.
Haslett Chute & Conveyor Co., Oaks, Pa.
Koven L. O. & Bro. Inc. (Made of sheet steel or monel metal for coal, chemicals, provisions, etc.), 154 Ogden av, Jersey City, N. J.
See adv index at end of book

2543— Chutes (Sand)

See also Chutes, Coal
Heltzel Steel Form & Iron Co., The, Warren, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Webster Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

2543a— Chutes (Spiral)

ALVEY-FERGUSON CO., 70 North, Oakley, Cincinnati, Ohio
Dow Co. (Mail, etc.), 201H N Buchanon, Louisville
Haslett Chute & Conveyor Co., Oaks, Pa.
See adv index at end of book

Haslett Chute and Conveyor Co.
Manufacturers of
Spiral Chutes, Gravity Roller Conveyors, Belt Carriers, Chain Slat Conveyors, Tray Elevators, etc., for jobbers, department stores, warehouses and factories. Time studies and plant layouts. Also Sanitary Soiled Linen and Rubbish Chutes for hospitals and hotels.
General Office and Factory, Oaks, Pa.

2544— Chutes (Steel Plate)

Breese Bros. Co. The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Chain Belt Co., Milwaukee, Wis.
See adv index at end of book
Dow Co. 201H N Buchanan, Louisville, Ky.
Grand Rapids Foundry Co. (For Cases, Boxes, etc), Grand Rapids, Mich.
Koven L. O. & Bro., Inc. (Ash. Made of sheet steel or monel metal for coal, chemicals, provisions, etc.), 154 Ogden av, Jersey City, N. J.
See adv index at end of book
LINK-BELT COMPANY, 300 W. 39th, Chicago, Ill. *See adv index at end of book*
Littleford Bros. (Ash), 444 E Pearl, Cincinnati, O. *See adv index at end of book*
Lucas A. & Sons (For Coal, etc), 1329 S Washington, Peoria, Ill.
McNamara Bros. Co., Westport, Md.
Nelson N. P. Iron Works, 216 40th, Brooklyn, N. Y.
Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.
ST. PAUL FOUNDRY CO., Como av. & Mackubin, St. Paul, Minn.
See adv index at end of book
Turl Iron & Car Co. Inc. The, 50 Broad, New York. Works: Newburgh, N. Y.

2545— Cigar Makers' Supplies

Miller, Du Brul & Peters Mfg. Co. (Packers), Norwood, Cincinnati, O.

2546— Cigars (Wooden)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Stiles H. A. Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

2546a— Cinchonidine & Salts

Greeff R. W. & Co., 78 Front, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.

2546b— Cinchonine

Greeff R. W. & Co., 78 Front, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.

2547—Circles (Brass, Copper & Bronze)

AMERICAN BRASS CO., Waterbury, Conn.
For branch offices see adv index at end of book
BALTIMORE TUBE CO., Wicomico & Ostend, Baltimore, Md.
See adv index at end of book
Waterbury Button Corp. (Also Aluminum), 331 S Main, Waterbury, Conn.
See adv index at end of book
Zeigler Mfg. Co., Alexandria, Ind.

2548— Circles (Platform)

Akron-Selle Co. (For Wagons, Trucks, etc), Akron, O.
Herbrand Co. (For Wagons, Trucks, etc), Fremont, O.

2549— Circles (Tin)

Ammidon & Co., 31 S Frederick, Baltimore, Md.
Boyer W. W. & Co., 2341 Boston, Baltimore, Md.
Fidelity Can Co. 600H S Caroline, Baltimore, Md.
Steel & Tin Products Co., 2100H Aliceanna, Baltimore, Md.
Zeigler Mfg. Co., Alexandria, Ind.

2550— Circulators (Boiler)

Heim H. E. ("Heim System" Circulation), 312 Pine, Portland, Ore.
McNab Co. ("Cascade"), **Bridgeport, Conn.**

2551— Circus Lights

See also Lights, Contractors'
Brenkert Light Projection Co. Inc., 49 Cortlandt av, Detroit, Mich.
MacLeod Co., 2227 Bogen, Cincinnati, Ohio
See adv index at end of book
Milburn Alexander Co. ("Milburn"), 1420 W Baltimore, Baltimore, Md.

2552-3— Cisterns

Barnes & Nuss Co. (Galv. Steel), Grand Forks, N. D.
Columbian Steel Tank Co., 1625 W 12th, Kansas City, Mo.
Harry Bros. Co (Corrugated Galvanized Iron), Carr. & I. C. R. R., New Orleans, La.
Hastings Equity Grain Bin Mfg. Co., Hastings, Neb.
Heltzel Steel Form & Iron Co., The, Warren, O.
See adv index at end of book
Holzer R. G. (Estate of), (Galvanized Iron, Rain), 317 Burgundy, New Orleans, La.
Martin Metal Mfg. Co. (Galvanized Steel), Wichita, Kan.
New Orleans Roofing & Metal Co. ("Nola" Galvanized Iron), Corte & Orleans, New Orleans, La.
Northfield Iron Co., Northfield, Minn.

Civil Engineers' Instruments

See Architects' & Engineers' Instruments & Supplies, also Engineering & Surveying Instruments

2554—Clamp & Drill Combined

Burritt O. W. & Bro. ("Burritts"), Weedsport, N. Y.

2555—*Clamps (Armband, Cord, Tire & Typewriter Ribbon)

Bryant Electric Co., 1421 State, Bridgeport, Conn.
Stimpson Edwin B. Co., 352 Kent av, Brooklyn, N. Y.
See adv index at end of book

Clamps (Adjustable)

See Clamps, Carpenter, Adjustable Screw, etc.

2556— Clamps (Basin)

American Brass & Copper Co., 188 Lafayette, New York
American Pin Co. ("Ampinco"), Waterbury, Conn.
Blessing C. A., 516 Montgomery, Phila., Pa.
Clow Jas. B. & Sons, Franklin & Harrison, Chicago, Ill.
Glauber Brass Mfg. Co. ("Magic"), 79th & Platt av, Cleveland, O.
Grabler Mfg. Co. (Adjustable), Cleveland, Ohio
Haines, Jones & Cadbury Co. ("Crescent"), 1136 Ridge av, Phila., Pa.
Hampden Brass Co., Springfield, Mass.
Stebbins E. Mfg. Co., Springfield, Mass.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Street & Kent Mfg. Co., 549 Fulton, Chicago, Ill.
Trenton Brass & Machine Co. ("Crescent," "Star"), Trenton, N. J.
Union Brass & Metal Mfg. Co., Lawson & Mackubin, St. Paul, Minn.
Wolverine Brass Works ("Never-Slip," "Star"), Grand Rapids, Mich.

2557— Clamps (Beam)

See also Clamps, Pipe; also Clamps, Conduit Pipe, Hanging

Anderson W. H. Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Auer John Jr., 197 Middleton, Brooklyn, N. Y.
Austin & Eddy, 117 Broad, Boston, Mass.
Beaton & Cadwell Mfg. Co. ("Jumbo" Pipe), New Britain, Conn.
Black Bros. Co. (The), Inc., Mendota, Ill.
See adv index at end of book
Bond Foundry & Machine Co., Manheim, Pa.
Brown A. & F. Co. (For Power), 79 Barclay, New York.
Channon, James H. Mfg. Co. (I), 227H W. Erie, Chicago, Ill.
Collins Mfg. Co. (Malleable Iron), 208 Second av, Pittsburgh, Pa.
Crane Co., 836 S. Michigan av, Chicago, Ill.
See adv index at end of book
Dodge Mfg. Corp., Mishawaka, Ind.
Falls Clutch & Machy. Co., Cuyahoga Falls, O.
Fee & Mason, 81 Beekman, New York
Grabler Mfg. Co. (I Beam, Adjustable, etc), Cleveland, O.
Grinnell Co., Inc., 275 W. Exchange, Providence, R. I.
Illinois Malleable Iron Co. ("A. B. C."), 1801 Diversey blvd, Chicago, Ill.
See adv index at end of book
Kelly & Jones Co. ("K. & J." Adjustable, etc., Malleable Iron), Greensburg, Pa.
See adv index at end of book
Lange August K., 606 E 15th, New York
Norman C. Erwin & Co. ("Cenco"), 18 W Kinzie, Chicago, Ill.
Robinson Mfg. Co., 8123 Bruner, S. E., Cleveland, O.
Royersford Foundry & Machine Co., Royersford, Pa.
Terry & Tench Co., Grand Central Terminal, New York
Walworth Mfg. Co., 82H Pearl, Boston, Mass.
Wood's T. B. Sons Co., Chambersburg, Pa.

2558— Clamps (Bed)

Black Bros. Co. (The) Inc., Mendota, Ill.
See adv index at end of book
Handy Mfg. Co., 29 E. Madison, Chicago, Ill.
Seng Co., 1450 Dayton, Chicago, Ill.

2559— Clamps (Belt)

See also Belt Tighteners

Akron Belting Co., Akron, O.
Black Bros. Co. (The) Inc., Mendota, Ill.
See adv index at end of book
Bradford Motor Wks., Bradford, Pa.
Dodge Sales & Engineering Co., Mishawaka, Ind.
Hoggson & Pettis Mfg. Co. ("Porter"), New Haven, Conn.
Hough Chas. N. Mfg. Co. (Oil Country Style), Franklin, Pa.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Manufacturers' Belt Hook Co. ("L.-X"), 1321 W Congress, Chicago, Ill.
O'Neil J. H., Jr., Pawtucket, R. I.
Page Belting Co. (Wood), Concord, N. H.
Turner Tanning Machinery Co. ("Turner" for Belt Makers), Peabody, Mass.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Wood's T. B. Sons Co. (Double Iron Screw, etc), Chambersburg, Pa.

2560—Clamps (Boat Builders')

See also Clamps, Carpenters

Black Bros. Co. (The) Inc., Mendota, Ill.
See adv index at end of book
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Cincinnati Tool Co., Norwood, Cincinnati, O. *See adv index at end of book*
Malleable Iron Fittings Co., Branford, Conn.
New London Vise Works ("M. I. F. Co."), (Wood End), New London, Conn.
Williams & Wells Co., 253 Fulton, New York *See adv index at end of book*

2561—Clamps (Boilermakers')

Henderer's A. L. Sons (Heavy Steel, also for Structural Iron Works), Wilmington, Del.
Le Count Wm. G. (Light & Heavy Steel), South Norwalk, Conn.
Lovejoy Tool Works, 319 W Ohio, Chicago, Ill.
Taylor Jas. L. Mfg. Co. (Quick-Adjusting, Self-Locking Steel Bar), Poughkeepsie, N. Y.
Wickes Bros., Saginaw, Mich.
See adv index at end of book

2562— Clamps (Bonding)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

2563—Clamps (Brick Carriers')

DONLEY BROTHERS CO. (THE), ("Donley"—also Tile Hooks), 13935 Miles av, Cleveland, O.
See adv index at end of book



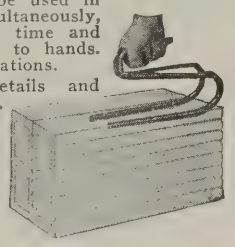
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Two Excellent Time and Labor Savers

The Brick Clamp handles eight or more brick at one time without injuring brick or hands. Easily adjusted to desired number of bricks. Saves cost in short time. A favorite with labor.

The Tile Hook picks up one or two at a time. Can be used in both hands simultaneously, thereby saving time and possible injury to hands. Speeds up operations.

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The Donley Brothers Co.
13935 Miles Ave.
Cleveland, O.

Duplex Mfg. & Foundry Co. ("Duplex"), Elyria, O.
Mostberger Iron Co. ("Buffalo"), 878 S Division, Buffalo, N. Y.
Stevens Frederic B., Inc., 3rd & Larned, Detroit, Mich.
See adv index at end of book

2563a— Clamps ("C")

See Also Clamps, Machinists'

Williams J. H. Co. ("Vulcan," "Agrippa," Light Service & Tool Makers, Drop-Forged), 400 Vulcan, Buffalo, N. Y.

2564—Clamps (Cabinet Makers' Iron, Etc.)

ADJUSTABLE CLAMP CO. ("Poney," "Little Giant" Wood Bar), 220 N. Jefferson, Chicago, Ill.
Batavia Clamp Co. ("Colts" Steel Bar), Batavia, N. Y.
Black Bros. Co. (The) Inc., Mendota, Ill.
See adv index at end of book
Christiansen C., 2219 Grand, Chicago, Ill.
Cincinnati Tool Co. ("Hargrave" Steel Joiners, etc.), Main & Waverly av, Cincinnati, Ohio
Dann Bros. & Co. (Extension), New Haven, Conn.
Dayton Malleable Iron Co. ("Dayton"), Dayton, O.
French E. S., 319 W Ohio, Chicago, Ill.
Grabler Mfg. Co. (Adjustable), Cleveland, O.
Handy Mfg. Co. (Furniture), 29 E. Madison, Chicago, Ill.
Mark Mfg. Co., Evanston, Ill.
Narragansett Machine Co., Providence, R. I.
Oliver Machinery Co., Grand Rapids, Mich.
Palmer Albert E. & Sons (Furniture), Owosso, Mich.
Peck, Stow & Wilcox Co., Southington, Conn.
Phoenix Hardware Co., 49 Illinois, Buffalo, N. Y.
See adv index at end of book
Redin, Ekstrom & Co., Rockford, Ill.
Redin John E., Rockford, Ill.
Rockford Mitre Box Co., Rockford, Ill.
Sargent & Co., New Haven, Conn.
Smith Otis A., Rockfall, Conn.
Swineford G. A. Co., Canton, O.
Woodruff W. W. & Sons Co., Mount Carmel, Conn.
Wrightsville Hardware Co., Wrightsville, Pa.

Clamps (Cabinet Makers' Wood)

See Screws, Hand

2565— Clamps (Cable)

See also Clamps, Guy

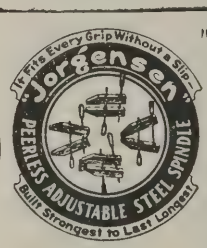
Bonney Vise & Tool Works Inc., Telghman, Allentown, Pa.
Bourne Fuller Co., Hanna bldg, Cleveland, O.
Lanz, M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
Myers F. E. & Bro., 950 Orange, Ashland, O.
See adv index at end of book
Star Expansion Bolt Co., 147 Cedar, New York
Steel City Electric Co. ("Marchand," for Standard Copper Conductors), 1207 Columbus av, Pittsburgh, Pa.

2566-7—Clamps (Cable Supporting)

Anderson W. H. Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Automatic Cable Clamp Co. (Self-Tightening Boltless), Donora, Pa.
Bossert Corp. (The), cor Linden & West av, Utica, N. Y.
DIAMOND EXPANSION BOLT CO. ("Long Saut"), 89 West, New York
See adv index at end of book
Electric Service Supplies Co. (Porcelain Clamp Insulator), 17th & Cambria, Phila., Pa.
General Devices & Fittings Co., 441 S Desplaines, Chicago, Ill.
Hallett Iron Works, Harvey, Ill.
Hebendahl J P. Co., Elizabeth, N. J.
Matthews W. N. & Bro. ("Matthews"), 3722 Forest Park bl, St. Louis, Mo.
Minerallac Electric Co., 1045 Wash. blvd, Chicago, Ill.
Robinson M. S. Cable Clamp Co., Donora, Pa.
Star Expansion Bolt Co. ("Star"), 147 Cedar, New York
States Co., Hartford, Conn.
Steel City Electric Co. ("Marchand"), for Stranded Copper Conductors), 1207 Columbus av, Pittsburgh, Pa.
Union Elec. Co., 3721 Grant blv, Pittsburgh, Pa.

2568—Clamps (Carpenters', Adjustable Screw, Etc.)

Adjustable Clamp Co. ("Jorgenson," "Peerless" Hand Screw), 220 N. Jefferson, Chicago, Ill.



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"Jorgensen"
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Hard Maple Jaws
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12 Sizes Each Style

Adjustable Clamp Company
220 North Jefferson Street
Chicago, Ill.

Batavia Clamp Co. ("Colts"), Batavia, N. Y.
Black Bros. Co. (The) Inc., ("Black Bros."), Mendota, Ill.
See adv index at end of book

GLUE CLAMPS of All Kinds

We are manufacturers
Prompt delivery at all times

THE BLACK BROS. CO., Inc.
800 Third Street, Mendota, Ill.

Channon Jas. H. Mfg. Co. (Ships' Carpenters), 227 W Erie, Chicago, Ill.
Cincinnati Tool Co. ("Hargrave" I Bar and Wood Bar), Main & Waverly av, Cincinnati, Ohio
Dann Bros. & Co. (Wood Workers), New Haven, Conn.
Fox Z. F. & Son (Steel), Freeport, Mich.
French E. S., 319 W Ohio, Chicago, Ill.
Grand Rapids School Equipment Co., Grand Rapids, Mich.
Kantslip Co. ("Kantslip"), Freeport, Mich.
M. & M. Adjustable Wire Clamp Co., 2
Mark Mfg. Co., Evanston, Ill.
5th, Minneapolis, Minn.
O'Neil, J. H., Jr., Pawtucket, R. I.
Phoenix Hardware Co., 49 Illinois, Buffalo, N. Y.
Sanitary Co. (Soil Adjustable Clamps), Dept. H, Linfield, Pa.
Taylor Jas. L. Mfg. Co. (Self-Locking Screw), Poughkeepsie, N. Y.

2569— Clamps (Carriage)

Black Bros. Co. (The) Inc., Mendota, Ill.
See adv index at end of book
Bossert Corp. (The), cor Linden & West av, Utica, N. Y.
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Sargent & Co., New Haven, Conn.
Sybilla Elevator & Machine Co., 214 W Ontario, Chicago, Ill.

2570— Clamps (Cloth)

Emrich Phil ("Emrich," Screw, Wedge & Spring), 824 Main, Cincinnati, O.
Redlich Mfg. Co., 637-647 W Oak, Chicago, Ill.

2571— Clamps (Column)

Black Bros. Co. (The) Inc., Mendota, Ill.
See adv index at end of book
Cincinnati Tool Co. ("Hargrave"), Main & Waverly av, Cincinnati, Ohio
Concrete Steel Co., 42 B'way, New York
Insley Mfg. Co. (Adjustable Steel Form), 3500 E St. Clair, Indianapolis, Ind.
STERLING WHEELBARROW CO. ("Sterling"), Milwaukee, Wis.
See adv index at end of book
Symons Clamp Co., 2455 Sheffield, Chicago, Ill.
Taylor Jas. L. Mfg. Co., Poughkeepsie, N. Y.
Universal Form Clamp Co. (Circular), 972 Montana, Chicago, Ill.

2572—Clamps (Concrete Construction)

See also Clamps, Carpenters'; also Clamps, Machinists'

Batavia Clamp Co. ("Colt's" Self-Locking), Batavia, N. Y.
Black Bros. Co. (The) Inc., Mendota, Ill.
See adv index at end of book
Chicago Builders' Specialties Co. ("A B C" Form), 11 S La Salle, Chicago, Ill.
Cincinnati Tool Co., Main & Waverly av, Cincinnati, Ohio
Concrete Steel Co., 42 B'way, New York
Insley Mfg. Co. (Adjustable Steel Form), 3500 E St. Clair, Indianapolis, Ind.
Truscon Steel Co. (Kahn System), Youngstown, O.
Universal Form Clamp Co., 972 Montana, Chicago, Ill.

2573—Clamps (Conduit Pipe Hanging)

Anderson W. H. Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Appleton Electric Co., Wellington & Paulina, Chicago, Ill.
Bissell F. Co. ("Security"), Toledo, O.
Condit Electrical Mfg. Co. ("Shawmut"), 1st & L, Boston, Mass.
FEDERAL ELECTRIC COMPANY, 8702 S State st, Chicago, Ill.
See adv index at end of book
Grabler Mfg. Co., Cleveland, O.
Irish W. F. Elec. Supplies ("Shamrock"), 132 W. 32nd, New York
Pass & Seymour, Solvay, N. Y.
Star Metal Box Co., 509 W. 19th, New York
Steel City Electric Co. (Beam Straps), 1207 Columbus av, Pittsburgh, Pa.
Thomas & Betts Co. (Box Hanger), 63 Vesey, New York

2573a— Clamps (Cross-Arm)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

2573b—Clamps (Cross-Over)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

Clamps (Curtain Frame)

See Clamps, Quilt Frame

2574— Clamps (Desk)

American Brass & Copper Co., 138 Lafayette, New York

2575—Clamps (Door & Sash)

See also Clamps, Carpenters

Adjustable Clamp Co. ("Poney"), 220 N. Jefferson, Chicago, Ill.
American Woodworking Machinery Co., Rochester, N. Y.
Black Bros. Co. (The) Inc., Mendota, Ill.
See adv index at end of book
Cincinnati Tool Co., Main & Waverly av, Cincinnati, Ohio
Dauber Bell Machine Co. ("Dauber" Upright Automatic), Oshkosh, Wis.
Fay J. A. & Egan Co., Cincinnati, O.
Greenlee Bros. & Co., Rockford, Ill.
Newman Machine Co., Greensboro, N. C.
Peck, Stow & Wilcox Co., Southington, Conn.
Sargent & Co., New Haven, Conn.
Smith H. B. Machine Co., Smithville, N. J.
Stearns E. C. & Co. ("Stearns," Adjustable), 450 Oneida, Syracuse, N. Y.

2576—Clamps (Eccentric Wire)

Batavia Clamp Co. ("Colts"), 203H Centre, Batavia, N. Y.
Smith Otis A. (For Tightening Wire Fence, Telephone Wire, etc), Rockfall, Conn.

2577— Clamps (Electric)

Dicke Tool Co., Downers Grove, Ill.
Smith Otis A. (For Wire, etc), Rockfall, Conn
U. S. Faucet Co., 1155 Mission, San Francisco, Cal.

2578— Clamps (Flanging)

Bethlehem Steel Co., Bethlehem, Pa.
Cleveland Punch & Shear Works Co., 3917 St. Clair av, N. E, Cleveland, O.
See adv index at end of book
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
New Doty Mfg. Co., Janesville, Wis.
Niles-Bement-Pond Co., 111 Broadway, New York
See adv index at end of book
Optenberg Iron Wks. (Hand & Pneumatic), Sheboygan, Wis.
See adv index at end of book
Scully Steel & Iron Co. ("Scully"), 2364 S Ashland av, Chicago, Ill.
Skinner M. B. Co. ("Model"), 562 W. Washington, Chicago, Ill.
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
Wickes Bros., Saginaw, Mich.
See adv index at end of book

2579—Clamps (Flask, Molders')

See also Foundry Facings & Supplies

Barnett Oscar Foundry Co., Irvington, N. J.
Brass Founders' Supply Co., Wilson av, Newark, N. J.
Diamond Clamp & Flask Co., Richmond, Ind.
Federal Malleable Co. ("Fraser"), West Allis, Wis.
Paxson J. W. Co. ("Paxco"), Dept. H, Nicetown la & D, Phila., Pa.
Taylor Jas. L. Mfg. Co., Poughkeepsie, N. Y
Tessmer Mach. & Tool Co., 1425 Rivard, Detroit, Mich.

2580— Clamps (Flooring)

See also Clamps, Carpenters', etc

Hardware Specialty Mfg. Co. ("Clyod"), Anderson, Ind.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
Stearns E. C. & Co., 450 Oneida, Syracuse, N. Y.

Clamps (Furniture)

See Clamps, Cabinetmakers', etc

2581— Clamps (Fuse Block)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

Clamps (Girder)

See Clamps, Beam

2582—Clamps (Ground Connection)

A-A Elec. Mfg. Co., 303 Center, Bridgeport, Conn.
Alloy Metal Stamping & Specialty Co. ("E-Z-On"), Williamstown, N. J.
Am. Metal Works (Adjustable), Stenton & Rockland, Phila., Pa.
Blackburn Specialty Co. ("Blackburn"), 3409 Perkins av, Cleveland, O.
Bonnell W. A., 192 Chambers, New York
Cameron Appliance Co. ("New York"), Everett, Mass.
Chase-Shawmut Co., Newburyport, Mass.
Chelten Electric Co., Stenton & Rockland, Phila., Pa.
Cleverly Electrical Works ("Forbes"), 17 N 7th, Phila., Pa.
Colgan Wm. H. Co. ("Rex"), West Newton, Mass.
Condit Electrical Mfg. Co. ("Shawmut"), 842 Summer, Boston, Mass.
Diamond Expansion Bolt Co., 89 West, New York. *See adv index at end of book*
Elec. Service Supplies Co., 17th & Cambria, Phila., Pa.
Fairmount Electric & Mfg. Co. ("Vogel," "All-in-One"), 59th & Woodland av, Phila., Pa.
Forbes Robt. R., Mt. Holly, N. J.
Fralick S. R. & Co. ("Chicago"), 15 S Clinton, Chicago, Ill.
Gillette-Vibber Co. ("G-V"), New London, Conn.
Gleason James & Co., 515 W Jackson blvd, Chicago, Ill.
Hallett Iron Works, Harvey, Ill.
Hart Mfg. Co., 230 Hamilton, Hartford, Conn. *See adv index at end of book*
Hart & Hegeman Mfg. Co. ("Perma Effect"), 342 Capital av, Hartford, Conn.
Heinemann Geo. ("Advance"), 1224 N 8th, Phila., Pa.
Hubbard & Co. (Wire), 63rd & Butler, Pittsburgh, Pa.
Klein Ernest & Bro. ("Klein Adjusto"), 44 Fulton, New York
Lord Mfg. Co. ("Leco"), 105 W 40th, New York
Novelty Electric Co. ("Griptite," "Neco," "Flex Clamp"), 50 N 4th, Phila., Pa.
Schwartz S. Robt. & Bro., 729 B'wy, New York
Sherman H. B. Mfg. Co., Battle Creek, Mich.
Star Elec. Co., 533 Pine, Phila., Pa.
Thomas & Betts Co., 63 Vesey, New York
Trenton Elec. & Conduit Co., Trenton, N. J.
Windman-Goldsmith Inc. ("Windman"), Perth Amboy, N. J.

2583— Clamps (Guard Rail)

Central Frog & Switch Co., Cincinnati, O.
Cincinnati Frog & Switch Co., Madison rd-B. & O. R. R., Cincinnati, O.
Cleveland Frog & Crossing Co., 6917 Bessemer av, Cleveland, Ohio
Morden Frog & Crossing Works, 208 S La Salle, Chicago, Ill.
Q. & C. Co. ("National," "Q. & C."), 90 West, New York
Ramapo Iron Works ("Ramapo"), Hillburn, N. Y.
Reading Specialties Co., Reading, Pa.
Track Specialties Co., Inc., ("Trasco"), 2-4-6 Morris, New York
United States Malleable Iron Co. ("U-S." Rail Clamp & Anti-Rail Creeper), Toledo, O.
Weir Frog Co. (Adustable), Cincinnati, O.
WEIR FROG CO. (Rail Adjustable), Foreign Dept. 43 Cedar, New York
WHARTON WM. JR. & CO., INC. ("Wharton" Standard), Easton, Pa.

2584— Clamps (Guy)

See also Clamps, Wire Rope

American Hoist & Derrick Co. ("Crosby"), St. Paul, Minn.
AMERICAN STEEL & WIRE CO. A. S. & W. Co.'s, 208 La Salle, Chicago, Ill.
See adv index at end of book
Bethlehem Steel Co., So. Bethlehem, Pa.
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Cook Frank B. Co., 2700 Southport, Chicago, Ill.
Crozier R. J. Co. (Dirs.), 10 S 18th, Phila., Pa.
DIAMOND EXPANSION BOLT CO., 89 West, New York
See adv index at end of book
Everstick Anchor Co. ("Blackburn" Boltless), 1624 N 8th, St. Louis, Mo.
Fletcher Mfg. Co., Dayton, O.
Galvanized Products Co., Phillipsburg, N. J.
Gund Mfg. Co., La Crosse, Wis.
Hallett Iron Works, Harvey, Ill.
Harrison Electric Co., 1088 DeKalb av, Brooklyn, N. Y.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Hubbard & Co. (Malleable & Steel), 63rd & Butler, Pittsburgh, Pa.
Joslyn Mfg. & Supply Co., Chamber of Commerce, Chicago, Ill.
Kansas City Bolt & Nut Co., Sheffield Station, Kansas City, Mo.
Lamson & Sessions Co. ("Bull Dog," "Double Grip"), 2188 Scranton, Cleveland, Ohio
Lane, M. Bolt Co. (Pressed Steel & Malleable Iron), 2907H Carson, Pittsburgh, Pa.
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
Line Material Co., So Milwaukee, Wis.
Macwhyte Co. ("Macwhyte"), Kenosha, Wis.
Mockbee C. M. Co., 816 E Pearl, Cincinnati, O.
National Telephone Supply Co., 5100 Superior av, Cleveland, O.
Newhall Chain, Forge & Iron Co. ("Trident"), 89 West, New York
Norton W. T., West Park, O.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Phila. Electrical & Mfg. Co., 1236 N 31st, Phila., Pa.
ROEBLING'S JOHN A. SONS CO., Main Office, Trenton, N. J. Works, Trenton & Roebling, N. J.
See adv index at end of book
St. Louis Malleable Casting Co., 7700 N. Broadway, St. Louis, Mo.
Steel Car Forge Co., Frick bldg, Pittsburgh, Pa.
Steel City Electric Co. ("Marchand" Wire), 1207 Columbus av, Pittsburgh, Pa
Upson-Walton Co. (The), 1294 W 11th, Cleveland, Ohio
Western Electric Co., 500 S Clinton, Chicago, Ill., & 463 West, New York

2585—Clamps (Harrow Tooth)

Commercial Shearing & Stamping Co., Youngstown, Ohio
Niles Steel Co., Niles, Ohio
See adv index at end of book
Youngstown Pressed Steel Co., Warren, O. ***See adv index at end of book***

2586— Clamps (Hay Rack)

Hunt, Helm, Ferris & Co., Harvard, Ill.
Louden Machinery Co. ("Illinois," "Standard"), Fairfield, Ia.
Myers F. E. & Bro. ("Wenzelmann," "Standard" & "Take-Down" Cotton & Wheat Rack), 950 Orange, Ashland, O.
See adv index at end of book
Porter J. E. Co., Ottawa, Ill.
Strickler Hay Tool Co., Janesville, Wis.
Wagner Mfg. Co. ("Wagner"), Cedar Falls, Iowa

2587— Clamps (Hopper)

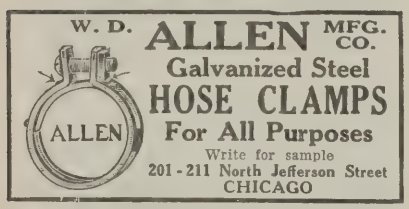
Exeter Brass Works, Exeter, N. H.
Peck Bros. & Co., New Haven, Conn.
Trenton Brass & Machine Co., Trenton, N. J.
Union Brass & Metal Mfg. Co., Lawson & Mackubin, St. Paul, Minn.

2588— Clamps (Horse)

Oliver Machinery Co., Grand Rapids, Mich.

2589— Clamps (Hose)

Allen Fire Dept. Supply Co., 159 Ahorn, Providence, R. I.
Allen W. D. Mfg. Co. ("Bull Dog," "Allen," "Caldwell"), 201-211 N Jefferson, Chicago, Ill.
See adv index at end of book



Alsteel Mfg. Co., Battle Creek, Mich.
American Brass & Copper Co., 138 Lafayette, New York
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Am. Stamping Co., Battle Creek, Mich.
Asch & Co. ("Aco"), 17 W 60th, New York
Ballard Drop Forge Co. ("Ballard" Steel for Wooden Pipe & Tanks, &c), Seattle, Wash.
Bartlett Mfg. Co., 423 E. Lafayette av, Detroit, Mich.
Buckeye Iron & Brass Works (For Steam), Dayton, O.
Catelain A. G., 2157 Blue Island av, Chicago, Ill.
Clancy J. R. ("Sure Grip" Wrought Steel), Syracuse, N. Y.
Cleveland Pneumatic Tool Co., 3734 E. 78th, Cleveland, Ohio
See adv index at end of book
Crane Co., 836 S. Michigan av, Chicago, Ill.
See adv index at end of book
Dallett Thos. H. Co. (For Air Hose), 165 N Clearfield, Philadelphia, Pa.
Dayton Malleable Iron Co. (Air Brake), Dayton, O.
Elkhart Brass Mfg. Co. ("Sure Grip"), Elkhart, Ind.
Everhot Mfg. Co. ("Evergrip"), 619 S 10th av, Maywood, Ill.
Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, O.
Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.
Goodall Rubber Co., 8th & Locust, Phila., Pa.
Grabler Mfg. Co., Cleveland, O.
Hudson Parer Co., Leominster, Mass.
Ideal Clamp Mfg. Co., 202 Bradford, Brooklyn, N. Y.
Knox Mfg. Co. (Malleable Iron), 821 Cherry, Phila., Pa.
McChesney J. S. & Co. ("McChesney" Galvanized Steel, Wire Hose Band), 1739 N Wells, Chicago, Ill.
Morgan Mfg. Co. Inc. ("Morgan"), Keene, N. H.
Mulconroy Co., 54th & Jefferson, Phila., Pa.
Newark Stamping Co., Newark, O.
R. T. Mfg. & Sales Co. ("Nocout"), Green Bay, Wis.
Racine Iron & Wire Works, Racine, Wis.
Rex-Harris Fire Appliance Co., 310 W 39th, New York.
Sherman H. B. Mfg. Co., Battle Creek, Mich.
Strong, Carlisle & Hammond Co. ("Strong"), 336 Frankfort av N W, Cleveland, O.
Thompson Mfg. Co., 2468 E 8th, Los Angeles, Cal.
United Steel & Wire Co. ("Double Tight" for Automobile Radiators), 327 Fonda av, Battle Creek, Mich.
Universal Industrial Corp., Hackensack, N. J.
Walworth Mfg. Co. ("Boston"), 82H Pearl, Boston, Mass.
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
See adv index at end of book
Wolverine Brass Works, Grand Rapids, Mich.
Yerdon Wm. ("Yerdon" Cast Brass), Ft. Plain, N. Y.

2590-1—Clamps (Hydrant & Water Pipe)

Crane Co., 836 S. Michigan av, Chicago, Ill.
See adv index at end of book
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book

2592-3— Clamps (Insulator)

Bonney Forge & Tool Works, Telghman, Allentown, Pa.
Fletcher Mfg. Co., Dayton, O.
General Devices & Fittings Co., 441 S Desplaines, Chicago, Ill.
Lanz, M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
Line Material Co. (Strain), South Milwaukee, Wis.
Locke Insulator Mfg. Co., Victor, N. Y.
Ohio Brass Co. (The), Mansfield, O.
Steel City Electric Co. ("Universal"), 1207 Columbus av, Pittsburgh, Pa.

2594— *Clamps (Key Seat)

Starrett L. S. Co., Athol, Mass.

2595— Clamps (King Bolt)

Pearson Jack Co. ("Pearson"), 185 Franklin, Boston, Mass.

2596—Clamps (Linemen's Splicing)

(A Splicing Tool)

Cincinnati Tool Co. ("Hargrave"), Main & Waverly av, Cincinnati, Ohio
Columbus Handle & Tool Co. (Also "Haven's"), Columbus, Ind.
Cronk & Carrier Mfg. Co., 150 Lake, Elmira, N. Y.
Dicke Tool Co., Downers Grove, Ill.
Irvington Mfg. Co. ("Little Giant"), Irvington, N. J.
Klein Mathias & Sons, 3200 Belmont av, Chicago, Ill.
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Peck, Stow & Wilcox Co., Southington, Conn.
Ransome Concrete Machinery Co., Dunellen, N. J.; 165 B'way, New York
Robinson M. W. Co., 296 B'way, New York.
Smith Otis A., Rockfall, Conn.
SMITH & HEMENWAY CO., INC. ("Red Devil," also "Haven's," Clamps for Stretching Wire), 261 H. B'way, New York, & 130 H. Coit, Irvington, N. J.
See adv index at end of book

2597— Clamps (Machinists')

Armstrong Bros. Tool Co. (Drop Forged Steel), 339 N Francisco av, Chicago, Ill.
Athol Mach. & Foundry Co. ("Standard" Steel), Athol, Mass.
Belden Machine Co., Tyrone, New Haven, Conn.
Billings & Spencer Co. ("B & S" Drop Forged Steel), Hartford, Conn.
Black Bros. Co. (The) Inc., Mendota, Ill.
See adv index at end of book
Brown & Sharpe Mfg. Co., Providence, R. I.
Chester Steel Castings Co., Chester, Pa., & 407 Sansom, Phila., Pa.
Cincinnati Tool Co., Main & Waverly av, Cincinnati, Ohio
Howell & Murray, Waverly, N. Y.
Le Count Wm. G. (Heavy Drop Forged), So. Norwalk, Conn.
Mark Mfg. Co., Evanston, Ill.
Phoenix Hardware Co., 49 Illinois, Buffalo, N. Y.
Standard Shop Equipment Co. Inc. ("Cad"), Dept. H, 828 Tinieum, Phila., Pa.
Williams J. H. Co. ("Vulcan," "Agrippa" Drop Forged), 400 Vulcan, Buffalo, N. Y.
Woodruff W. W. & Sons Co., Mount Carmel, Conn.

2598—Clamps (Measuring Bar)

Starrett L. S. Co., Athol, Mass.

2599— Clamps (Messenger)

Cook Frank B. Co., 2700 Southport, Chicago, Ill.
Dicke Tool Co., Downers Grove, Ill.
Harrison Electric Co., 1088 DeKalb av, Brooklyn, N. Y.
Lanz, M. Bolt Co., 2907H Carson, Pittsburgh, Pa.

2600— Clamps (Mitre)

Batavia Clamp Co. ("Colts"), Batavia, N. Y.
Black Bros. Co. (The) Inc., Mendota, Ill.
See adv index at end of book
Burgess & Norton Mfg. Co. ("Dunn's" Mitre Draw Clamp & Cutter), Geneva, Ill.
French, E. S., 319 W Ohio, Chicago, Ill.
Grand Rapids Hand Screw Co., Grand Rapids, Mich.
Handy Mfg. Co., 29 E. Madison, Chicago, Ill.
Taylor Jas. L. Mfg. Co. (Four Cornered), Poughkeepsie, N. Y.

2600a— Clamps (Pail)

CARY MFG. CO., Nassau & Jay, Brooklyn, N. Y.
See adv index at end of book

2601— Clamps (Parallel)

See also Clamps, Carpenters

Besly Chas H. & Co., 120 N Clinton, Chicago, Ill.
Starrett L. S. Co. (Tool Makers, etc.), Athol, Mass.
Williams J. H. Co. ("Vulcan" Drop Forged), 400 Vulcan, Buffalo, N. Y.

Clamps (Piano Makers')

See Clamps, Cabinet Makers'; also Clamps, Carpenters'

2601a— Clamps (Piling)

Black Bros. Co. (The) Inc., (Glue Room Service), Mendota, Ill.
See adv index at end of book

2602— Clamps (Pipe)

Acme Mfg. Co. ("Acme" Soil Pipe), Bangor, Me.
Adapti Mfg. Co. ("Adapti" One Hole Steel), 2990 E. 72d, Cleveland, O.
Anderson W. H. Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
motive), 17 E. 42nd, New York
Associated Well Supply Co., Inc., 111 Broad, New York
Auer John Jr., 197 Middleton, Brooklyn, N. Y.
Cincinnati Iron Fence Co., 3300 Springgrove, av, Cincinnati, O.
Custer Coupling Co., Bradford, Pa.
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Dayton Pipe Coupling Co. ("Collerleak," for Screw, Bell & Spigot Pipe, etc), Dayton, O.
Dresser S. R. Mfg. Co. ("Dresser," for Repairing Leaks), Bradford, Pa.
Franklin Railway Supply Co., Inc. ("Multiple" Locomotive), 17 E 42nd, New York
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Grabler Mfg. Co. (Also Extension), Cleveland, O.
Illinois Malleable Iron Co., 1801 Diversey blvd. Chicago, Ill.
See adv index at end of book
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Lange August K., 606 E 15th, New York
Moll Wm. ("Ideal," Malleable Iron), 1660 Columbus rd, N W, Cleveland, O.
Norman C. Erwin & Co. ("Cenco" Extension), 18 W Kinzie, Chicago, Ill.
Nusbaum F. A. ("King Bee" & "Perfection" Leak Closing), 219 Ruffner, Lockland, O.
Ratigan J. P. (Oil Well), 1213 Santa Fe av, Los Angeles, Cal.
Rex-Harris Fire Appliance Co., 310 W 39th, New York
Skinner M. B. Co. ("Emergency"), 562 W Washington, Chicago, Ill.
Walworth Mfg. Co., 82H Pearl, Boston, Mass.
Western Railway Equipment Co. ("Acme"), Central National Bank bldg, St. Louis, Mo.
Williams J. H. Co. (Vise "Vulcan" Drop Forged), 400 Vulcan, Buffalo, N. Y.
Yarnall Waring Co. ("Yarway"), Chestnut Hill, Phila., Pa.

2603— Clamps (Plow)

Am. Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
Hilfinger Bros., Fort Edward, N. Y.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.

2604— Clamps (Pole)

Anderson W. H. Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Bethlehem Steel Co., So. Bethlehem, Pa.
Electric Railway Equipment Co. (Bracket), 2900H Cormany av, Cincinnati, O.
Everstick Anchor Co. ("Blackburn" Boltless), 1624 N 8th, St. Louis, Mo.
Hallett Iron Works ("Hallett"), Harvey, Ill.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Lanz, M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
Line Material Co. ("Ajax"), South Milwaukee, Wis.
Luther Grinder Mfg. Co. (For Auto), 285 S. Water, Milwaukee, Wis.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.

2604a—*Clamps (Quick Adjusting)

Cincinnati Tool Co. (For Boat & Auto Body Builders), Main & Waverly av, Cincinnati, Ohio

2605—Clamps (Quilt Frame)

Arcade Mfg. Co., Freeport, Ill.
Champion Hardware Co., Geneva, O.
Cincinnati Tool Co., Main & Waverly av, Cincinnati, Ohio
Fanner Mfg. Co. ("Arctic"), Cleveland, O.
Grey Iron Casting Co., Mt. Joy, Pa.
Reading Hardware Co., Reading, Pa.
Sargent & Co., New Haven, Conn.
Stover Mfg. & Engine Co. ("Stover"), Freeport, Ill.
Williams A. C. Co., Ravenna, O.
Wrightsville Hardware Co., Wrightsville, Pa.

2606—Clamps (Rail Bonding)

Electric Railway Improvement Co. (with Terminal Electrode), 2070 E 61st pl, Cleveland, O.
Reading Specialties Co. (Guard), Reading, Pa.

2607-8— Clamps (Ring)

Dixon Wm. (& Jewelry), 119 Fulton, New York
Kohaut John C., 117 Green, Newark, N. J.

2609— Clamps (Rule)

Irving Robert M. ("Arrow"), Syracuse, N. Y.
Goodell-Pratt Co., Greenfield, Mass.
Starrett L. S. Co., Athol, Mass.

2610— Clamps (Saw)

Atkins E. C. & Co. ("A.-A.-A."), Indianapolis, Ind.
Baldwin, Tuthill & Bolton (Filing), Grand Rapids, Mich.
Covel Mfg. Co. (Saw Filing), Benton Harbor, Mich.
Crescent Machine Co., Leetonia, O.
Dikeman Mfg. Co. ("Dikeman," All Steel Folding), Norwalk, Conn.
Disston Henry & Sons (Brazing, Filing, etc), Tacony, Phila., Pa.
Gustafson & Scott Mfg. Co. ("Climax" for Filing Band Saws), 4325 Wabansia av, Chicago, Ill.
New Britain Machine Co. ("New Britain") 190 Chestnut, New Britain, Conn.
Reading Hardware Co., Reading, Pa.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Union Hardware Co., Torrington, Conn.
Woodwell Joseph Co. ("Keystone" Folding), 207 Wood, Pittsburgh, Pa.

2611—Clamps (Saw Brazing)

Atkins E. C. & Co., Indianapolis, Ind.
Baldwin, Tuthill & Bolten, Grand Rapids, Mich.
Covel Mfg. Co., Benton Harbor, Mich.
Disston Henry & Son, Tacony, Phila., Pa.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*

2612— Clamps (Screw)

Adjustable Clamp Co. ("Poney"), 220 N. Jefferson, Chicago, Ill.
Batavia Clamp Co. ("Colt's"), Batavia, N. Y.
Black Bros. Co. (The) Inc., Mendota, Ill. *See adv index at end of book*
Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York *See adv index at end of book*
Cincinnati Tool Co., Main & Waverly av, Cincinnati, Ohio
Dayton Malleable Iron Co. ("Dayton"), Dayton, O.
Estes E. B. & Sons (Wooden), 364 5th av, New York *See adv index at end of book*
Grand Rapids Hand Screw Co. (Wood Adjustable), Grand Rapids, Mich.
Handy Mfg. Co., 29 E Madison, Chicago, Ill.
Le Count, Wm. G. ("Le Count" for Boring Mills or Planers), S. Norwalk, Conn.
Malleable Iron Fittings Co. ("M. I. F. Co.") Branford, Conn.
Oliver Machinery Co., Grand Rapids, Mich
Phoenix Hardware Co. (Malleable Iron), 49 Illinois, Buffalo, N. Y.
Sieber Products Mfg. Co., 4000-4006 Laclede av, St. Louis, Mo.
Stearns E. C. & Co. (Adjustable), 450 Oneida, Syracuse, N. Y.
Taylor Jas. L. Mfg. Co. (Quick-Adjusting, Self-Locking Steel Bar, etc), Poughkeepsie, N. Y.
Welch T. F. Co., 55 Sudbury, Boston, Mass.
Wilcox, Crittenden & Co. Inc. (Ship & Ship Carpenters), 444 S Main, Middletown, Conn. *See adv index at end of book*
Woodruff Walter W. & Sons Co., Mount Carmel, Conn.

Clamps (Ship)

See Clamps, Boat

Clamps (Splicing)

See Clamps, Linemen's Splicing

2613—Clamps (Steam Joint)

Nusbaum F. A. ("Perfection," "King Bee"), 219 Ruffner, Lockland, O.
Skinner M. B. Co. ("Skinner Pipe Joint"), 562 W. Washington, Chicago, Ill.
Yarnall Waring Co. ("Yarway"), Chestnut Hill, Phila., Pa.

2614— Clamps (Steel)

Anderson W. H. Tool & Supply Co. (Special Conduit), Franklin & Dubois, Detroit, Mich.
Athol Mach. & Foundry Co. (Parallel Machinists Swivel), Athol, Mass.
Bass Bros. (Bar), 375 Rider av, New York
Goodell-Pratt Co., Greenfield, Mass.
Insley Mfg. Co. (Adjustable Concrete Form), 3500 E St. Clair, Indianapolis, Ind.
Lanz, M. Bolt Co., 3907H Carson, Pittsburgh, Pa.
Le Count Wm. G., South Norwalk, Conn.
Norfolk Mfg. Co. ("Hugo"), Norfolk, Conn.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I
Phoenix Hardware Co., 49 Illinois, Buffalo, N. Y.
Sawyer Tool Mfg. Co., Ashburnham, Mass.
Starrett L. S. Co. (Tool Makers, etc.), Athol, Mass.
Taylor Jas. L. Mfg. Co., Poughkeepsie, N. Y.
Williams J. H. Co. ("Vulcan" Drop Forged), 400 Vulcan, Buffalo, N. Y.

2615— Clamps (Steel Pipe)

Adapti Mfg. Co. ("Adapti" One Hole), 2990 E 72d, Cleveland, O.
American Steel Foundries (For Cast Iron Pipe Makers), McCormick bldg, Chicago, Ill.

2616— Clamps (Strap)

Williams J. H. Co. ("Vulcan" Drop Forged), 400 Vulcan, Buffalo, N. Y.

2616a— Clamps (Suspension)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

2617—Clamps (Testing, Electric Wire)

(For Testing Current in Telephone & Current Wires)

Anderson Albert & J. M. Mfg. Co., 289 A, Boston, Mass.
Belden Mfg. Co., 2316 So. Western av, Chicago, Ill.
Cutter Scott C. ("Scott Cutter"), Oswego, Ill.
Eby H. H. Mfg. Co., 40 S 7th, Phila., Pa.
Fahnestock Elec. Co., L. I. City, N. Y.
Fairmount Elec. & Mfg. Co., 59th & Woodland, Phila., Pa.
Frankel Connector Co., 177 Hudson, New York
Hallett Iron Works, Harvey, Ill.
Harvard Elec. Co., 525 W Vanburen, Chicago, Ill.
Jordan Bros., 74 Beekman, New York
Morse, Frank W. ("Morse Eureka"), 289 Congress, Boston, Mass. *See adv index at end of book*
Reliable Elec. Co., 411 S Sangamon, Chicago, Ill.
Williams Test Clamp Co., 1051 Power av, Cleveland, O.

2617a— Clamps (Tie Rod)

INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall st, New York. (See insert under Monel Metal)
Sholes, Inc. (Monel Metal), 186 Lafayette, New York

2618—Clamps (Tool Makers')

Athol Machine & Foundry Co., Athol, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
Champion Hardware Co., Geneva, O.
Goodell-Pratt Co., Greenfield, Mass.
Sawyer Tool Mfg. Co., Ashburnham, Mass.
Starrett L. S. Co., Athol, Mass.
Taylor Jas. L. Mfg. Co., Poughkeepsie, N. Y.
Williams J. H. & Co. ("Vulcan" drop-forged), 81 Richards, Brooklyn, N. Y.

2619—Clamps (Trolley Pole)

Anderson W. H. Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Bayonet-Trolley-Harp Co., Springfield, O.
Electric Railway Equipment Co. ("Sure Grip"), Cincinnati, O.
Virginian Electric & Machine Works ("Perfection"), Charleston, W. Va.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa. *See adv index at end of book*

2620—Clamps (Trolley Wire)

Electric Railway Equipment Co. ("Sure-Grip"), Cincinnati, O.
Electric Service Supplies Co. ("Keystone"), 17th & Cambria, Phila., Pa.
Klein Mathias & Sons, 3200 Belmont av, Chicago, Ill.
Ohio Brass Co., The ("Modoc," "Detroit," "Mansfield," "Bull Dog," "M-W," "Premier," "Wedge"), Mansfield, O.

Clamps (Water Pipe)

See Clamps, Hydrant & Water Pipe

2621— Clamps (Wire Fence)

Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*

2622— Clamps (Wire Rope)

See also Clamps, Guy

American Hoist & Derrick Co. ("Crosby"), St. Paul, Minn.
AMERICAN STEEL & WIRE CO. (A. S. & W Co.'s), 208 La Salle, Chicago, Ill. *See adv index at end of book*
Bethlehem Steel Co., So. Bethlehem, Pa.
Broderick & Bascom Rope Co. (Jobbers), 803 N Main, St. Louis, Mo.
Channon Jas. H. Mfg. Co. (also Manila Rope Clamps), 227 W Erie, Chicago, Ill.
Fischer & Hayes Rope & Steel Co., 816 W. Erie, Chicago, Ill. *See adv index at end of book*
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Harkins T. B. Foundry Co., Bristol, Pa.
Kansas City Bolt & Nut Co., Sheffield Station, Kansas City, Mo.
Lanz, M. Bolt Co., 3907H Carson, Pittsburgh, Pa.
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Leidecker Tool Co. ("Shyrock" for Temper Screws), Marietta, O.
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
Macwhyte Co. ("Macwhyte"), Kenosha, Wis.
Neptune Hardware Mfg. Co., 80 Warren, New York
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pacific Oil Tool Co. ("P. O. T."), 1928 E. 7th, Los Angeles, Cal.
Ratigan J. P., 1213 Santa Fe av, Los Angeles, Cal.
Tichener-Diehl Co., 1844-48 W. Austin av, Chicago, Ill.
Upson-Walton Co. (The), 1294 W 11th, Cleveland, Ohio
Wheaton C. M. & Co. ("Wheaton"), Sunbury, Ohio
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*
Wilcox Crittenden & Co. Inc., 444 S Main, Middletown, Conn. *See adv index at end of book*
Worthington A. P. ("Holdfast"), 700 N Main, Los Angeles, Cal.

Clamps (Wire Test)

See Connectors, Wire Test

Clamps (Woodworkers')

See Clamps, Cabinet Makers'

2622a— Clarifiers (Centrifugal)

Cresson-Morris Co., 18th & Allegheny av, Phila., Pa.
De Laval Steam Turbine Co., East Trenton, N. J. *See adv index at end of book*
Sharples Specialty Co. ("Super Centrifuge" for Varnish, Benzine, Oil, Glue, Pharmaceutical, Serum & Fruit Juices), West Chester, Pa.

2623— Clarifiers (Milk)

Creamery & Package Mfg. Co., 61 W. Kinzie, Chicago, Ill.
Davis-Watkins Dairymen's Mfg. Co., North Chicago, Ill.
De Laval Separator Co., 165 B'way, New York
Jensen Creamery Machy. Co., Nelson & Locust av, Bloomfield, N. J.
Sharples Separator Co., West Chester, Pa.

2624— Clarifiers (Sugar)

Blymer Iron Works Co. (Round Single Copper Coil, Steam), Cincinnati, O.
Cresson Morris Co., Alleghany & 18th, Phila., Pa.
Deming Apparatus Co. (For Purifying Sugar Solutions), 150 Nassau, New York
Flynn W. S., 76 Hudson, Jersey City, N. J.
Haubtman & Loeb Co., Ltd., 618 Magazine, New Orleans, La.
Honolulu Iron Works Co., 233 Broadway, New York
Joubert & Goslin Mach. & Fdry. Co., Birmingham, Ala.
Kilby Mfg. Co., 4623 Lakeside, Cleveland, O.
Murphy John H. Iron Works, 643 Magazine, New Orleans, La.
Pioneer Iron Works, 149 Pioneer, Brooklyn, N. Y.
Provident Chemical Works ("Clariphos"), 3011 Idaho av, St. Louis, Mo.
Squier Geo L. Mfg. Co., Buffalo, N. Y.
Turi Iron & Car Co., Inc., The, 50 Broad New York. Works: Newburgh, N. Y.
Von Phul Gilbert D., Hibernia Bank bldg., New Orleans, La.
Wayte W. J. Inc. (Dirs.), 5844 Grand Central Terminal, New York

2625-6—Clarifiers (Varnish)

Empire Cream Separator Co., Bloomfield, N. J.
Sharples Specialty Co., West Chester, Pa.

2627— Clasps (Cheese Box)

CONSOLIDATED STEEL STRAPPING CO., 2600-20 N Western av., Chicago *See adv index at end of book*

2628—Clasps (Lug & Cant Hook)

American Logging Tool Co. (Malleable & Forged Steel), Evart, Mich.
Ransome Concrete Machinery Co. (Malleable), Dunellen, N. J.

2629— Clasps (Pail)

Acme Steel Goods Co. ("Acme" Flexible Pail & Crate), 2834 Archer av, Chicago, Ill.
CARY MFG. CO., Nassau & Jay, Brooklyn, N. Y. *See adv index at end of book*

(Continued on following page)

Clasps (Pail)—Continued

CONSOLIDATED STEEL STRAPPING CO. (Flexible), 2600-20 N Western av, Chicago
See adv index at end of book
De Haven Mfg. Co, 50 Columbia Heights, Brooklyn, N. Y.
Stanley Works, New Britain, Conn.
Tilson Mfg. Co., Malden, Mass.
Townsend Co., New Brighton, Pa.
See adv index at end of book
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

2629a— Classifiers (Ore)

Allis-Chalmers Mfg. Co. ("Richards"), Milwaukee, Wis.

2630— Classifiers (Slime)

Colorado Iron Works Co. ("Atkins" Hydraulic & Mechanical), Denver, Colo.
Denver Engineering Works Co. ("Richards" Pulsator), Denver, Colo.
Elmer & Amend, 205 E. 18th, New York
KENNEDY-VAN SAUN MFG. & ENG. CORP. (Hydaulic, also Mechanical), 50 Church, New York
See adv index at end of book
Merrill Co., 121 2nd, San Francisco, Cal.
Pacific Tank & Pipe Co., 318 Market, San Francisco, Cal.
United Iron Works, Kansas City, Mo.
Vandercook A. E. Enginering Co., 621 California, Sacramento, Cal.

2631— Claws (Coal)

Wrightsville Hardware Co., Wrightsville, Pa.

2632— Claws & Grabs (Nail)

Auer John Jr. (4 & 5 Prong), 197 Middleton, Brooklyn, N. Y.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Landers Frary & Clark, New Britain, Conn.
Vaughan & Bushnell Mfg. Co. ("V & B" 8 Prong Claws Only), 2114 Carroll av, Chicago, Ill.

2633—Claws & Pullers (Tack)

Arcade Mfg. Co., Freeport, Ill.
Bagshaw & Field, 445 N 5th, Phila., Pa.
Bradley & Farnham ("Samson," "Monarch," "Ellis"), Middlefield, Conn.
Browne W. G. Mfg. Co. ("Star" Combination "Sterling," "Neverbreak," "Queen"), Kingston, N. Y.
Browne & Dowd Mfg. Co. ("Standard Giant," "Yankee," "Sterling," "Star"), Meriden, Conn.
Buffum Tool Co. ("Swastika" Wood Handle, Drop Forged), South Side, Louisiana, Mo.
Cassady Fairbank Mfg. Co. ("Fetchum," "Buckeye" Claw), 6126 S La Salle, Chicago, Ill.
Cronk & Carrier Mfg. Co. ("Little Giant"), 150 Lake, Elmira, N. Y.
Deuse J. S., Chester, Conn.
Fletcher-Terry Co. ("Little Corporal"), Forestville, Conn.
Grey Iron Casting Co., Mt. Joy, Pa.
Handy Things Mfg. Co. ("Handy"), Ludington, Mich.
Hills Edward, Painville, Conn.
Jennings C. E. & Co., 71 Murray, New York
Johnson Wm. (Hedenberg Wks), Newark, N. J.
Kilborn & Bishop Co., 194 Chapel, New Haven, Conn.
Knickerbocker Mfg. Co., Belleville, N. J.
Kraeuter & Co., 583 18th av, Newark, N. J.
Landers, Frary & Clark (Cast Steel & Malleable Iron), New Britain, Conn.
Lowentraut P. Mfg. Co. ("Montgomery"), 36 Brenner, Newark, N. J.
Mayhew H. H. Co., Shelburne Falls, Mass.
Osborne C. S. & Co., Box 183 Newark, N. J.
See adv index at end of book
Parkhurst L. D., Danielson, Conn.
Potter Mfg. Co. (Forged Steel), Geneva, O.
Reading Saddle & Mfg. Co. ("Reading"), Reading, Pa.
Richard Stephen Co., Southbridge, Mass.
Rocky Hill Hardware Co. ("Samson" Polished Steel & Malleable Japanned, etc), Rocky Hill, Conn.
Sargent & Co., New Haven, Conn.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Smith H. D. & Co. ("Perfect Handle"), Plantsville, Conn.
SMITH & HEMENWAY CO., INC. ("Giant" & Red Devil"), 261 H. B'way, New York, & 130 H. Colt, Irvington, N. J.
See adv index at end of book
Southington Hardware Co., Southington, Conn.
Stortz Jno. & Son, 210 Vine, Phila., Pa.
Turner & Deegan ("Little Gem"), Bristol, Conn.
Verona Tool Works (Spike, etc.), Plum, Pittsburgh, Pa.
Wells Corporation, The ("Thayer" Claws), 15 Arch, Grenfield, Mass.
See adv index at end of book
White Ira F. & Son Co., Bloomfield, N. J.
Williams A. C. Co. (Cast Iron Only), Ravenna, O.
Wrightsville Hardware Co., Wrightsville, Pa.

2633a— Clay-Ball (Miners)

Drakenfeld, B. F. & Co., 50 Murray, New York
Hammill & Gillespie (Imp.), 240 Front, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Monarch Clay Mining Co., The, Bellevue, Ky.
Spinks H. C. Clay Co., Newport, Ky.

2634— Clay Color Mfrs.

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book

2635— Clay Feeders

(See also Feeders, Coal, Stone, Lime, Cement, etc.)
Fate-Root-Heath Co., Plymouth, O.
Marion Machine Foundry & Supply Co., Marion, Ind.

Clay (Fire)

See Fire Clay

2635a— Clay Goods

See also Specific Article
Crescent Refractories Co., Curwensville, Pa.
Mine & Smelter Supply Co. ("Massco"), 42 B'way, New York.

2636—Clay Miners & Shippers

Alberhill Coal & Clay Co., 208 W. 8th, Los Angeles, Cal.
American China Co., Phillips bldg, Los Angeles, Cal.
Anness & Potter Fire Clay Co., Woodbridge, N. J.
Ashland Fire Brick Co. (For All Purposes), Ashland, Ky.
Attapulgus Clay Co. (Mines at Attapulgus, Ga., & Ellenton, Fla.), 3144 Passyunk av
Binswanger H. P., 7 W 16th, New York
Bloomfield Clay Co., Metuchen, N. J.
Brown's Mills Sand Co. in the Pines (Mines), Brown's Mills, N. J.
California Mineral Products Co., Kohl bldg, San Francisco, Cal.
Cameron Clay Products Co., Emporium, Pa.
Cutter W. C., Woodbridge, N. J.
Diller Clay & Stone Co., Lancaster, Pa.
Edgar Brothers Co., Metuchen, N. J.
Edgar Plastic Kaolin Co., Metuchen, N. J.
Excelsior Ball Clay Co. (Hickory & Sagger Clay), Cincinnati, Ohio
Harris Clay Co., Dillsboro, N. C.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Kiamensi Clay Co., Wilmington, Del.
Maurer Henry & Son (For All Purposes), 420 E. 23rd, New York
See adv index at end of book
Mid-Continent Clay Co., Peru, Kansas
Monarch Clay Mining Co. (Ball, Sagger & Wad Chap), Bellevue, Ky.
Moon Clay & Kaolin Co. (Miners of Sagger Clay), Trenton, N. J.
National Sales Co. (Ball Agents), 31 E 13th, Cincinnati, O.
Ostrander Fire Brick Co., Troy, N. Y.
Paper Makers' Chemical Co., Easton, Pa.
Phila. Clay Co. ("Tolanite"), Commonwealth Trust bldg, Phila., Pa.
Product Sales Co., Equitable bldg., Baltimore, Md.
Raritan Ridge Clay Co., Metuchen, N. J.
Rutland Fire Clay Co. ("Rutland") Rutland, Vt.
Spinks H. C. Clay Co. (Ball, Sagger & Wade Clays), Newport, Ky.
Uhl Pottery Co., Evansville, Ind.
Valentine M. D. & Bro. Co. (Foundry, etc), Woodbridge, N. J.
Vanderbilt R. T. Co. ("Blue Ridge," "Dixie," "Cherokee"), 50H E 42d, New York

2636a— Clay (Pipe)

Hammill & Gillespie (Imp.), 240 Front, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Kiamensi Clay Co., H, Equitable Trust bldg, Wilmington, Del.

2637— Clay (Stove)

Kiamensi Clay Co., H, Equitable Trust bldg, Wilmington, Del.
Rogers & Co. ("Keystone"), Royersford, Pa.
Uhl Pottery Co., Evansville, Ind.
Williams Stove Lining Co. ("Eagle"), Taunton, Mass.

2638—Clay & Shale Gatherers

Fernholtz Brick Machinery Co., Boyle & Vandeventer av, St. Louis, Mo.

Clays (Bleaching & Filtering)

See Fullers Earth

2639— Clays (China)

Alberhill Coal & Clay Co., 208 W. 8th, Los Angeles, Cal.
American China Co., Phillips bldg, Los Angeles, Cal.
CHRYSTAL CHAS. B. CO. INC. (Imp.), 13 Cliff, New York
See adv index at end of book
Cooper & Cooper Inc., 23H Cliff, New York
Drakenfeld B. F. & Co., 50 Murray, New York
FERGUSSON, ALEX. C., JR., 474 Chestnut, Phila, Pa. *See adv index at end of book*
Fuerst Bros. & Co., 2 Stone, New York
Golding Sons Co., Trenton, N. J.
Hammill & Gillespie, 240 Front, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Highfield John W., 248 N 10th, Brooklyn, N. Y.
Higman John W. Co. (Imp.), 29 B'way, New York
Kalbfleisch Corp. (English), 200 5th av, New York
Keystone Minerals Co., 300 Mad. av, New York
Kiamensi Clay Co., H, Equitable Trust bldg, Wilmington, Del.
Klipstein A. & Co., 644 Greenwich, New York
Moore & Munger (Imp.), 29 B'way, New York
National Sales Co. (Imp.), 31 E 13th, Cincinnati, Ohio
Nevins Sam'l Co. (Dried, Ground & Bolted), 143 N 4th, Phila., Pa.
New England Quartz Co. of N. Y., 150 Nassau, New York.
Pacific Clay Deposit, Balboa bldg, San Francisco, Cal.
Paper Makers' Chemical Co. (American & English), Easton, Pa.
Perkins, Goodwin & Co., 33 W 42d, New York
Product Sales Co., Equitable bldg., Baltimore, Md.
Reichard-Coulston Co. (English Imp.), 95 Madison av, New York.
Rockcastle Cement & Lime Co., Munsey bldg., Baltimore, Md.
Salomon L. A. & Bros., 216 Pearl, New York
Sant John & Sons Co., East Liverpool, O.
Savannah Kaolin Co., Savannah, Ga.
Scheel Wm. H., 179 Water, New York
Sergeant E. M. Co., 131 Cedar, New York
Smith J. Lee & Co. (Imp.), 19 Jacob, New York
Smith Alfred, Ltd., 15 E 26th, New York
Star Clay Co. (Ltd.), Mertztown, Pa.
Taintor H. F. Mfg. Co. (Bolted, English), 21 State, New York
Taintor Trading Company, Inc. (Imp.), **24 State, New York**
Tennant C. Sons & Co. of N. Y. (Imp.), 19 W 44th, New York
Vanderbilt R. T. Co. ("Blue Ridge," "Dixie," "Cherokee"), 50 E 42d, New York
Vitro Mfg. Co. (Kaolin), H Bessemer bldg., Pittsburgh, Pa.
Wagner Charles A. (Dried, Ground & **Bolted), 222H N. Front, Phila., Pa.**
Whittaker, Clark & Daniels, Inc. (Imp), 250 Front, New York
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*
WILLIAMS C. K. & CO. (Bolted), Easton, Pa. *See adv index at end of book*

2640— Clays (Crucible)

Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Kiamensi Clay Co., Wilmington, Del.
Meng Anthony & Co. ("K. B. Crown" Imported), 123 S Front, Phila., Pa.
Moore & Munger (Imp), 29 B'way, New York
National Sales Co., 31 E 13th, Cincinnati, Ohio

2641— Clays, Minerals, Etc.

See also Color Manufacturers & Importers
Alberhill Coal & Clay Co., 208 W. 8th, Los Angeles, Cal,
Atterbury Bros., Inc., 145 Nassau, New York
Binney & Smith Co., 41 E 42d, New York
Binswanger, H. P. (Whol. Dur.), 7 W 16th, New York
California Master Products Co. ("Bentonite"), Alameda & Slawson av, Los Angeles, Cal.
California Mineral Products Co., Kohl bldg, San Francisco, Cal.
Cherokee Ochre Co., Cartersville, Ga.
CHRYSTAL CHAS. B. CO. INC., 13 Cliff, New York *See adv index at end of book*
Crossman Co., South Amboy, N. J.
Doggett Stanley, 11 Cliff, New York
Earle E. P., 165 B'way, New York
FERGUSSON ALEX C. JR., 474 Chestnut, Phila., Pa. *See adv index at end of book*

Fuerst Bros. & Co. (Importe .), 2 Stone, New York
Georgia-Peruvian Ochre C., 165 B'way, New York
Goebel J. & Co. (Imp.), 67 Cortlandt, New York
Hammill & Gillespie (China, Potters, etc), 240 Front, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Herrmann Morris & Co. (Non-Fading Reds), 200 5th av, New York
Illinois Kaolin Co. (Dagger, Paper & Paint Clays), Anna, Ill.
Industrial Minerals Co., Inc., 525 Phelan bldg, San Francisco, Cal.
International Pump Co., 41 Park Row, New York
Kiamensi Clay Co., H, Equitable Trust bldg, Wilmington, Del.
Mepham Geo. S. & Co., 20th & Lynch, East St. Louis, Ill.
Miner Edgar Co. (Washed Floated brands), 110 William, New York
Monarch Clay Mining Co., The (Ball, Sagger & Wad Clays), Bellevue, Ky.
Moore & Munger (Imp), 29 B'way, New York
National Gum & Mica Co., 12 N End av, New York
Nevins Samuel Co., 143 N 4th, Phila., Pa.
New Riverside Ochre Co., Cartersville, Ga.
Paper Makers' Chemical Co. (English & Domestic China & Ball Clays), Easton, Pa.
Prince Mfg. Co. (Mineral Brown), 165 B'way, New York
Product Sales Co., Equitable bldg., Baltimore, Md.
Salomon L. A. & Bro. (China Clay, etc), 216 Pearl, New York
Scheel Wm. H. (Imp.), 179 Water, New York
Smith J. Lee & Co. (Ochres, Crown Paris White, Indian & Venetian Reds, Drop Black & Colors, China Clay), 19 Jacob, New York
Spinks H. C. Clay Co. (Ball Sagger & Wad Clays), Newport, Ky.
Star Clay Co. (Ltd.) (Clays), Mertztown, Pa.
Such Clay Co., South Amboy, N. J.
Tennant C. Sons & Co. of N. Y. (Imp.), (Arsenic, China Clay, Talc, etc.), 19 W 44th, New York
Thiele E., 11 Cliff, New York.
Vanderbilt R. T. Co. ("Dixie," "Blue Ridge," "Cherokee"), 50 E 42d, New York
Wagener John O. & Co. (Mineral Pulp), Easton, Pa.
Wagner Chas. A., 810 Noble, Phila., Pa.
Whittaker, Clark & Daniels, Inc. (Imp), 250 Front, New York
Wilbur J. Co. (American Ochres, Talckene, Black Filler & Red & Gray Slates), Office, Providence, R. I.; Factory, Phila., Pa.
WILLIAMS C. K. & CO. (Mineral Pulp, Clays, Ochre, etc), Easton, Pa.
See adv index at end of book

2642— Clays (Modeling)

Alberhill Coal & Clay Co., 208 W. 8th, Los Angeles, Cal.
Embossing Co., Albany, N. Y.
Hammett L. L. ("Plasticine") Co., Kendall sq, Cambridge, Mass.
Livermore Fire Brick Works, 604 Mission, San Francisco, Cal.
National Sales Co., 31 E 13th, Cincinnati, Ohio
New York Architectural Terra Cotta Co., 401 Vernon av, Long Island City, N. Y.
Novitas Sales Co. ("Modeline"), Waltham, Mass.
San Antonio Sewer Pipe Works, San Antonio, Texas
Stewart & Co. ("Plasteline"), Duane, New York
Super-Glos Mfg. Co. ("Super Glos"), 710 Van Ness av, San Francisco, Cal.
Uhl Pottery Co., Evansville, Ind.

2642a— Cleaner (Auto)

Polygon Products Co. ("Tarr-Gon"), 141 Milk, Boston, Mass.
Samoline Corp, Inc. ("Whirl-Wind"), 1300 Fletcher, Chicago, Ill.

2643— Cleaners (Air)

Audiffren Refrigerating Machine Co. ("Audiffren"), 2211 West Street bldg, New York *See adv index at end of book*
Holly Pneumatic Systems, Inc. (Air Purifiers & Separators), 145H W. 45th, New York
Lord Mfg. Co. ("Spencer Patent, Screenless, for Air Compressors), 105 W 40th, New York
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
United Mfg. & Distributing Co. (For Automobile Use), 9705 Cottage Grove, Chicago, Ill.

2644—Cleaners (Alfalfa Seed)

Ferrell A. T. & Co. ("Clipper"), Saginaw, Mich.
Johnson & Field Mfg. Co. Racine, Wis.
McKain Mfg. Co., 919 N Main, Los Angeles, Cal.
Owens J. L. Co., Fulton & S E Huron, Minneapolis, Minn.

2645—Cleaners (Bean & Pea)

Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Ferrell A. T. & Co. ("Clipper"), Saginaw, Mich.
Johnson & Field Mfg. Co. ("Racine"), Racine, Wis.
Owens J. L. Co. ("Advance"), Fulton & S E Huron, Minneapolis, Minn.
Tinkham C. O. ("Advance" Spiral Brush Bean Cleaner & Polisher), Akron, N. Y.

2646—Cleaners (Boiler Flue & Tube)

Adriance Machine Works Inc, 80 Richards, Brooklyn, N. Y.
Advance Packing & Supply Co., 64 E Lake, Chicago, Ill.
Allen W. D. Mfg. Co., 201-211 N Jefferson, Chicago, Ill.
See adv index at end of book
Atlas Mfg. Co., 154 1st, San Francisco, Cal.
Bate Boiler Efficiency Co., Conshohocken, Pa.
Berry Engineering Co., Chester, Pa.
Browne F. W. Farmington, N. H.
Caldwell H. W. & Son Co. ("Ruggles"), 17th & Western av, Chicago, Ill.
Central Machine & Foundry Co., Marion, Ind.
Challenge Tube Cleaner Co., 63 Market, Lowell, Mass.
Chesterton A. W. Co. ("Ingalls," "Firearms," "Favorite," "Favorite Improved," "Elliptical" Tube Scraper, "Engineers' Favorite" & "Wonder" Tube Cleaner, Combination Scraper & Brush & "Robinson" Blowers & Suckers), 64 India, Boston, Mass.
Chicago Engineering Supply Co. ("Cesco"), 68 W. Lake, Chicago, Ill.
Christoffel's A. Sons, 277 Eldert, Brooklyn, N. Y.
Claflin C. A. Co. ("Claflin" Patent Steam **Automatic & Continuous Blast), 60H Pearl, Boston, Mass.**
Clark A. C. & Co. (Mechanical Boiler Cleaner), 1035 E 76th, Chicago, Ill.
CLEVELAND FLUE CLEANER MANUFACTURING CO. ("A & D" Patent Steam), 5318 St. Clair av, Cleveland, Ohio
Combustion Engng. Corp. ("C. E. C." Tube Scraping), 43 Broad, New York
Crescent Brass Products Co. ("Cyclone" Steam Flue Cleaner), 8410H Lake av, **Cleveland, O.**
Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
Diamond Power Specialty Co. ("Diamond" Steam Tube Cleaner, Suckers & Blowers), Detroit, Mich.
Federal Stamping Co. ("Rex" and "E-Z" All Steel for Hot Air Furnaces), Holland, Mich.
Flint Warren F. Co. (Wire), 74 India, Boston, Mass.
GEM MFG. CO. ("Gem" Flue Scrapers), Goebel nr Fulton, N S, Pittsburgh, Pa.
See adv index at end of book
General Specialty Co. ("Torpedo" Fire Tube Cleaner & "Demon" Water Tube Cleaner, Operated by Water), Buffalo, N. Y.
Gerhardt C. (Flue & Tube Brushes), 591 Hudson, N. Y.
Gilmore Tube Scraper Works (F. G. Crowell, Prop.) ("Gilmore" Tube Scraper), Buffalo, N. Y.
Globe Boiler Compound Co. ("Case" Patent Metal Boiler Cleaner), Binghamton, N. Y.
GODFREY-KEELER CO., 70 Warren, New York
Griffiths Jas. A. ("The Cook" Blowers & **Suckers), 1315 Buttonwood, Phila.,** Pa.
Hennebohle Frank (Soot Blowers & Suckers), 81st & S. Chicago av, Chicago, Ill.
Hilts Wrench & Mfg. Co. ("Perfect"), Richford, N. Y.
Huyette, Paul B. Co. ("Tornado" Steam Boiler), 5H S. 18th, Phila., Pa.
Irving Mfg. & Tool Co. (Flue Cleaners), 157 Chambers, New York
Leonard & McCoy ("The Hotchkiss"), 161 Washington, New York
Liberty Mfg. Co. ("Liberty," "Cyclone," "Dog," "Victor" Tube Only), H Frick **bldg., Pittsburgh, Pa.**
McCrea Jas. & Co. ("Butman's" Ball Joint Flue Scraper Rod), 562 W Washington, Chicago, Ill.
McLaughlin Geo. G. Mfg. Co., 24 Washington, N. Boston, Mass.
Manchester Mfg. Co. ("The Meyers" Automatic Skimmer), North Manchester, Ind.
Marion Machine, Foundry & Supply Co. ("Marion" Flue Blower), Marion, Ind.
Max Machine Co., Clinton, Mass.
Mulholland Wm. ("Spencer"), 82 Walker, New York
Mushet W. E. Co., (Dirs.), 700 2d, San Francisco, Cal.
National Boiler Specialties Co., Elgin, Ill.
National Flue Cleaner Co., Trenton, N. J.
Newark Brush & Scraper Co. ("Abrams" Tube Brush), 266 Fabyan pl, Newark, N. J.
Nuhring & Bros (Soot Blowers & Suckers, "Success" & "Kant-Blo-Off"), 1212 **Walnut, Cincinnati, O.**
Osborn-Crew Mfg. Co., 1628 E 39th, Cleveland, O.
Parson Mfg. Co. ("Parson's" Air Jet Flue Cleaner), 535 Livingston, New York
Perfection Grate & Supply Co. ("Perfection" Blower), Springfield, Mass.
Pierce Wm. B. Co. ("Dean" Boiler Tube Cleaner, Steam or Power), 40 N Davision, Buffalo, N. Y.
Pilley Flue Brush Co. (Brushes, Scrapers & Blowers), 604 S 3d, St. Louis, Mo.
Poole Mfg. Co. ("Little Giant" Power Water Tube & Fire Tube Cleaner), 325 Columbus av, Boston, Mass.
Reiter E. H., Elgin, Ill.
Robertson Jas. L. & Son ("The Hurricane"), 78 Murray, New York
Rosedale Foundry & Machine Co. ("Holt" Pneumatic), Columbus & Preble avs, Pittsburgh, Pa.
Roto Co. ("Roto" Steam, Air & Water Driven for Fire Tube and Water Tube Boilers), 74 Union pl, Hartford, Conn.
Ryerson J. T & Son, Inc., (Steam or Power), 2558 W 16th, Chicago, Ill.
See adv index at end of book
Scully Steel & Iron Co. ("Ruggles" Perfection Flue Cleaner), 2364 S Ashland av, Chicago, Ill.
Seehausen, Wehrs & Co. ("Chicago"), 173 N Franklin, Chicago, Ill.
Sharkey & Peck (Boiler Cleaners & Skimmers), 2433 W 18th, Chicago, Ill.
Thum C. D. (Brushes), 150 N 3d, Phila., Pa.
Underwood H. B. Corp. (Rotary), 1025 Hamilton, Philadelphia, Pa.
Von Serkey J. Mfg. Co., 491 Tehama, San Francisco, Cal.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Wolfe Brush Co., 1805 Beaver av, Pittsburgh, Pa.
Worcester Brush & Scraper Co. ("Criss-Cross" Tube Cleaner, etc.), 456 Park av, Worcester, Mass.

2647—Cleaners, Boiler Flue or Tube (Brushes)

See also Brushes, Flue

Browne F. W. ("Abrams" Steel Wire), Farmington, N. H.
Chesterton A. W. Co. ("Abram" Tube Brush & Spiral Tube Brush, Fine Wire), 64 India, Boston, Mass.
Christoffel's A. Sons (Flexible Steel Coil Brushes), 277 Eldert, Brooklyn, N.Y.
Darby Edw. J. & Sons, 319 Vine, Phila., Pa.
See adv index at end of book
Felton D. D. Brush Co., Atlanta, Ga.
Flint Warren F. Co., 220 Franklin, Boston, Mass.
Gerhardt C. (Flue & Tube Brushes), 591 Hudson, New York
Godfrey Keeler Co., 70 Warren, New York
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Newark Brush & Scraper Co. ("Abram's" Tube Brush), 266 Fabyan pl, Newark, N. J.
Peerless Mfg. Co. ("Peerless"), New Durham, N. H.
Pilley Flue Brush Co. ("Pilley" Wire & "Abrams"), 604 S 3rd, St. Louis, Mo.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.
Thum Chas. D., 150 N 3rd, Phila., Pa.
Worcester Brush & Scraper Co. ("Ingalls" Tube Brush & Cleaner, & "Worcester" Flue Brush), 456 Park av, Worcester, Mass.

2648—Cleaners, Boiler Flue or Tube (Scrapers)

Chesterton A. W. Co. ("Ingalls" Tube Scraper, "Engineer's Favorite" Elliptical; also Combined Scraper & **Brush, "Favorite Improved," Fireman's Favorite"), 64 India, Boston, Mass.**
Christoffel's A. Sons, 277 Eldert, Bk'lyn, N. Y.
Crane Co., 836 S. Michigan av, Chicago, Ill.
See adv index at end of book
Gem Mfg. Co., Goebel nr. Fulton, N S Pittsburgh, Pa.
See adv index at end of book
Gilmore Tube Scraper Works (F. G. Crowell Prop.) ("Gilmore" Tube Scraper), 61 Terrace, Buffalo, N. Y.
Godfrey Keeler Co., 70 Warren, New York
Keeley James J. ("Jackson" Flue Scraper), Jackson, Mich.
Miller A. P. Supply Co. Inc. ("Frijid"), 141 W 14th, New York
Mushet W. E. Co. ("Wemco" Sheet), 700 2d, San Francisco, Cal.
Newark Brush & Scraper Co. ("Collicott's" Improved Ingall's), 266 Fabyan pl, Newark, N. J.
Pilley Flue Brush Co. ("Pilley"), 604 S 3rd, St. Louis, Mo.
Ryerson Jos. T. & Son, Inc., 2558 W. 16th, Chicago, Ill. *See adv index at end of book*
Scully Steel & Iron Co. ("Ruggles Perfection"), 2364 S Ashland av, Chicago, Ill.
Sherwood Mfg. Co. ("Duplex" Tube Scraper, "Engineers' Favorite" Flue Scraper), 1709 Elmwood, Buffalo, N. Y.
Stewart Heater Co. ("Favorite"), N Tonawanda, N. Y.
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*
Worcester Brush & Scraper Co. ("Ingalls" Tube Scraper & Brush), 456 Park av, Worcester, Mass.

2649—Cleaners, Boiler Flue or Tube (Soot Blowers & Suckers)

Adriance Machine Works Inc., 80 Richards, Brooklyn, N. Y.
Chesterton A. W. Co. ("Wonder," "Robinson" Tube Cleaner), 64 India, Boston, Mass.
Claflin C. A. Co. ("Claflin" Automatic & **Continuous Blast**), 60H Pearl, Boston, Mass.
Diamond Power Specialty Co. ("Diamond" Steam Flue Blower), Oakland & Caniff, Detroit, Mich.
General Specialty Co. ("Whirlwind"), 65 Carroll, Buffalo, N. Y.
Griffiths James A. ("The Cook"), 1315 Buttonwood, Phila., Pa.
Hennebohle Frank, 81st, S Chicago av, Chicago, Ill.
Huyette Paul B. Co. ("Tornado" Air Blower Tube or Flue Cleaner), 5 S 18th, Phila., Pa.
Lane Mfg. Co., Chicago Heights, Ill.
Marion Machine, Foundry & Supply Co. ("Marion" Soot Blower), Marion, Ind.
Max Machine Co., Clinton, Mass.
National Flue Cleaner Co. ("National"), Trenton, N. J.
Nuhring Chas. & Bro. ("Success" & "Kant-Blo-Off"), 1212 Walnut, Cincinnati, O.
Parson Mfg. Co. ("Parson's" Air Jet Flue Cleaner), 535 Livingston, New York
Perfection Grate & Supply Co. ("Ideal"), Springfield, Mass.
Pilley Flue Brush Co. ("Pilley" Flue Blowers), 604 S 3rd, St. Louis, Mo.
Sherwood Mfg. Co. ("Favorite" Steam Flue Blowers), 1709 Elmwood, Buffalo, N. Y.
Vulcan Soot Cleaner Co. ("Vulcan"), Du Bois, Pa.

2650—Cleaners, Boiler Flue or Tube (Steam or Power)

Adriance Machine Works Inc., 80 Richards, Brooklyn, N. Y.
Caldwell H. W. & Son Co. ("Red Jacket"), 17th & Western av, Chicago, Ill.
Claflin C. A. Co. ("Claflin" Steam **Automatic & Continuous Blast), 60H Pearl, Boston, Mass.**
CLEVELAND FLUE CLEANER MANUFACTURING CO. ("A & D" Steam), 5318 St. Clair av, Cleveland, Ohio
General Specialty Co. ("Torpedo" Power), Buffalo, N. Y.
Godfrey Keeler Co., 70 Warren, New York
Hafer Foundry & Machine Wks., Chambersburg, Pa.
Lagonda Mfg. Co. (Water Power Tube Cleaner), Springfield, O.
Liberty Mfg. Co. ("Liberty," "Cyclone" **Steam Water or Air Drench), H Frick bldg., Pittsburgh, Pa.**
Manchester Mfg. Co. ("Myers," Automatic), North Manchester, Ind.
Marion Machine Foundry & Supply Co., Marion, Ind.
Maurer Wm. & Co. ("Lightning" Tube Cleaners), South Bend, Ind.
Osborn Crew Mfg. Co., 1628 E 39th, Cleveland, O.
Pierce Wm. B. Co. ("Dean"), 40 N. Division, Buffalo, N. Y.
Ryerson Jos. T. & Son, Inc., 2558 W. 16th, Chicago, Ill. *See adv index at end of book*
Underwood H. B. Corp., 1025 Hamilton, Phila., Pa.
Von Serkey J. Mfg. Co., 491 Tehama, San Francisco, Cal.

2651—Cleaners (Boiler, Skimmers)

Manchester Mfg. Co. ("Myers"), North Manchester, Ind.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Monarch Silk Remover Co. (Inc.) (Steam), 261 Franklin, Boston, Mass.
Robertson Jas. L. & Son ("The Hurricane"), 78 Murray, New York
Roto Co. ("Roto" Steam, Air & Water Driven), Hartford, Conn.
Ryerson Jos. T. & Son, Inc., 2558 W. 16th, Chicago, Ill. *See adv index at end of book*
Sharkey & Peck, 2433 W 18th, Chicago, Ill.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Steam Appliance Co. ("Henry," Steam Flue Cleaners), Milwaukee, Wis.
Yarnall Waring Co., Chestnut Hill, Phila., Pa.

2652—Cleaners (Boiler, Turbine)

Lagonda Mfg. Co. ("Weinland"), Springfield, O.

2653—Cleaners (Bolting Cloth)

Allis-Chalmers Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
Gump B. F. Co., 431 S Clinton, Chicago, Ill.

2654— Cleaners (Broom Corn)

Reese F. W. ("Reese"), Paris, Ill.
Shaw, Welch & Co. ("Galesburg"), Galesburg Ill.

Cleaners (Carpet)

See Sweepers, Carpet

2655— Cleaners (Corn)

Barnard & Leas Mfg. Co., Moline, Ill.
Cleland Mfg. Co. ("Expert"), 280 University av, N, Minneapolis, Minn.
Colfax Manfg. Co., 1701 N E Madison, Minneapolis, Minn.
Emerson Mfg. Co., 2601 32d av S, Minneapolis, Minn.
Ferrell A. T. & Co., Saginaw, Mich.
Great Western Mfg. Co., Leavenworth, Kan.
Nordyke & Marmon Co. (Also Grain), Kentucky av & Morris, Indianapolis, Ind.
Owens J. L. Co., Fulton & S. E. Huron, Minneapolis, Minn.
Robinson H. Mfg. Co., Muncy, Pa.
Sprout Waldron & Co., Muncy, Pa.
See adv index at end of book
Twin City Separator ("Hero"), 2601 32d av S, Minneapolis, Minn.
Union Iron Works, Decatur, Ill.

2655a—Cleaners (Currant & Raisin)

American Machinery Co. ("American"), 330 N 12th, Phila., Pa.

2656— Cleaners (Drain)

See also Shovels & Spades, Drain & Tiling
Columbus Handle & Tool Co., Columbus, Ind.
Farmers' Cement Tile Machine Co., St. Johns, Mich.
Iwan Bros. ("Champion"), South Bend, Ind.
Seymour Mfg. Co., Seymour, Ind.

2657-8—Cleaners (Drain Pipe)

Blue Seal Chemical Co., 657 11th av, New York
Cedar ("Sweep & Kleen-A-Pipe"), 790 Brannan, San Francisco, Cal.
Chamberlain Co. ("Desolvo" Compound), 33 Terminal Way, Pittsburgh, Pa.
Chemical Products Co. ("Ninety-Nine"), 116 Christopher, New York
Cooper Sanitary Mfg. Co. (Solvent), 34th & Chestnut, Phila., Pa.
Hercules Chemical Co., 396 B'way, New York
Iwan Bros. ("Iwan"), S Bend, Ind.
Pacific Chemical Co. ("Pronto"), 1421 N Main, Los Angeles, Cal.
WEST DISINFECTING CO. ("Pipe Klenzo"), 411 5th av, New York
See adv index at end of book
Wonder Mfg. Co. ("Wonder"), 607 Bryant, San Francisco, Cal.

Cleaners (File)

See Cards, File

2659— Cleaners (Flax-Seed)

Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Johnson & Field Mfg. Co. ("Racine"), Racine, Wis.
Owens J. L. Co. ("Northwestern"), Fulton & S. E. Huron, Minneapolis, Minn.

2660— Cleaners (Gun)

See also Tools, Gun Cleaning & Reloading
Faries Mfg. Co. (Rods), Decatur, Ill.
Handy Things Mfg. Co., Ludington, Mich.
Marble Arms & Mfg. Co., Gladstone, Mich.
Rogers Frank H, Deep River, Conn.
Stevens J. Arms Co. (& Rifle), Chicopee Falls, Mass.
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*

2661— Cleaners (Hand)

See also Soap
California Exterminating Co., Inc., 373 W 125th, New York
Fiebing Chemical Co., 240 Reed, Milwaukee, Wis.
Flash Chemical Co., 160-2nd, Cambridge, Mass.
Harsh-Miller Mfg. Co. ("Humane" Horse Cleaners), Wabash, Ind.
Hollingshead R. M. Co. ("Whiz" Roadside), Camden, N. J.
Klean-Wel Mfg. Co. ("Klean-Wel"), Superior Viaduct, Cleveland, O.
Pacific Chemical Co. ("Hasty"), 1421 N Main, Los Angeles, Cal.
Peerless Soap Co., 1257 E. 6th, Los Angeles, Cal.

2662—Cleaners, Hat (Motor Driven)

Fidelity Elec. Co., Lancaster, Pa.
Robbins & Myers Co., 1400 Layonde, Springfield, O.

2663-4-5—Cleaners (Knife)

Hamilton-Low Co. ("P. D."), 62 Van Winkle av, Jersey City, N. J.
Keil Francis & Son, 401 E 163d, New York
Landers, Frary & Clark ("Universal"), New Britain, Conn.

2666— Cleaners (Metal)

Advance Platers' Supply Co., 159 N Jefferson, Chicago, Ill.
Am. Chemical Paint Co. (For Iron & Steel), 1113 S 11th, Phila, Pa.
Electric Smelting & Aluminum Co. ("Mineral-Cleaner"), Lockport, N. Y.
Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Ford J. B. Co ("Wyandotte"), Wyandotte, Mich.
International Chemical Co., Camden, N. J.
North Coast Soap Co., 6317 17th av, So Seattle, Wash.
Orona Sales Co. ("Orona"), 29 India, Boston, Mass.
Pangborn Corp. (Exterior Car), Hagerstown, Md.
Rhodes Jas. H. & Co. ("Carlsruhe"), 115 Fulton, New York

2667—Cleaners or Rumblers (Cork)

U. S. Bottlers' Machinery Co. ("U. S."), 2511 Park av, Chicago, Ill.

2668— Cleaners (Pavement)

See also Scrapers, Road & Pavement
American Fork & Hoe Co., Swetland bldg, Cleveland, O.
Columbus Handle & Tool Co. ("Columbus" Steel), Columbus, Ind.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Jackson Shovel & Tool Co. (Steel), Montpelier, Ind.
Kohler F. E. Co. (Steel), Canton, O.
Maynard C. A., Northampton, Mass.
Rittenhouse J. F. Mfg. Co. ("Little Grant"), Liberty Mills, Ind.
Union Fork & Hoe Co. (Solid Steel, Snow & Ice), Columbus, O.
Union Furnace Mfg. Co., Union Furnace, Pa.
Wallingford Mfg. Co. (Solid Steel, Snow & Ice), Wallingford, Vt.

2669— Cleaners (Pipe)

B. B. Specialty Co. ("Burke" Waste Steel Wire), 443H Liberty av, Pittsburgh, Pa.
Baum Bros. Co., Glenarm pl, Denver, Col.
Bernz Otto Co., Inc. ("Plumbers' Best Friend," "Flitcroft"), 17 Ashland, Newark, N. J.
See adv index at end of book
Chamberlain Co. ("Desolvo"), 33 Terminal Way, Pittsburgh, Pa.
Coleman, Allan J. ("C. C. C."), 208 Wabash av, Chicago, Ill.
Fischer Chas. Spring Co., 240 Kent av, Brooklyn, N. Y.
Hercules Chemical Co. (Chemical Plumbing), 396 B'way, New York
Johnson-Peter Co. (Terminal Warehouse) (Tube), Pittsburgh, Pa.
See adv index at end of book
Lewis Sam'l Drain ("Wrigley"), 73 Barclay, New York
O'Kleen O Products Co., 712 Madison av, Baltimore, Md.
Pilley Flue Brush Co., 604 S 3d, St. Louis Mo.
Southern California Disinfecting Co., 2521 S. Main, Los Angeles, Cal.

2670— Cleaners (Pot)

See also Scrapers, Pot & Kettle
Hamblin & Russell Mfg. Co., 28 Wale, Worcester, Mass.
Heintz Laboratories ("Heintz Cleaning Pad"), 61 Natoma, San Francisco, Cal.
Mystic Mit Co., Inc., 240 Main, Orange, N. J.
Ritzenhaler John ("Durable," Gold Sink Metal), 73 Franklin, New York
Sherwood J. M. Co., 44 Murray, New York
Washburn Co. (Andrews Division), Preston, Rockford, Ill.
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*

2671— Cleaners (Sack)

Robinson H. Mfg. Co., Muncy, Pa.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
White T. G. ("Wizard"), Cedar Rapids, Ia.
Wolf Co., Chambersburg, Pa.

2672— Cleaners (Shoe)

A. B. Polish Co. ("A. B. Wite Est"), 1515 Haddon av, Chicago, Ill.
Bunny Products Co. (White & Suede), Port Huron, Mich.
California Leather Dressing Co., 1574H Market, San Francisco, Cal.
Dennehy Bros., Brockton, Mass.
Excelsior Chemical Co. ("Exo"), 426 Bryant, San Francisco, Cal.
Root-Heath Mfg. Co. ("Universal"), Plymouth, Pa.
Selz Best Mfg. Co. ("Irmaline" Spot Cleaner), 13 W Kinzie, Chicago, Ill.

Cleaners (Sidewalk)

See Cleaners, Pavement

2673— Cleaners (Sink)

National Enameling & Stamping Co., 411 5th av, New York

New York Stamping Co. ("Magic"), N 11th & Berry, Brooklyn, N. Y.
Osborn Mfg. Co., 5401 E. Hamilton av, Cleveland, O.
Wickwire Spencer Steel Corp. ("Natwire"), Worcester, Mass.
See adv index at end of book
Washburn Co. (Wire Goods Div.), 28 Union, Worcester, Mass.

2674-5—Cleaners (Smoking Pipe)

Gilbert E. T. Mfg. Co., Rochester, N. Y.
Marion Machine Foundry & Supply Co., Marion, Ind.

2676— Cleaners (Soot)

Adriance Machine Works Inc., 80 Richards, Brooklyn, N. Y.
Cooper Sanitary Mfg. Co., 34th & Chestnut, Phila., Pa.
Diamond Power Specialty Co., Oakland & Caniff, Detroit, Mich.
Nute, McGehee, Geary Co., Broad, Chambersburg, Pa.

2677— Cleaners (Track)

Brill J. G. Co., 62d & Woodland av, Phila., Pa.
McGuire-Cummings Mfg. Co., Harris Trust & Savings bldg, Chicago, Ill.
Patterson C. T. Co. Ltd. ("Zimmerman" for Sawmill Carriages), 801 Tchoupitoulas, New Orleans, La.
Root Spring Scraper Co., Kalamazoo, Mich.
St. Louis Car Co. (Scrapers), 8000 N B'way, St. Louis, Mo.

Cleaners (Vacuum)

See Vacuum Cleaners, Hand & Power

2678—Cleaners (Wall Paper)

Climax Cleaner Mfg. Co., 2080 W 110th, Cleveland, O.
Klean-Wel Mfg. Co. ("Klean-Wel"), Superior Viaduct, Cleveland, O.
Rutherford Wm., 2433 Leland av, Chicago, Ill.
Super-Glos Mfg. Co. ("Klear View"), 710 Van Ness av, San Francisco, Cal.

2678a—Cleaners (Wind Shield)

Adams Mfg. Co., 1741 8th, Berkeley, Cal.
American Automatic Devices Co. ("Clear Vision" & "Eclipse"), 500 Throop, Chicago, Ill.
Badger Mfg. Corp. ("Rain-A-Way"), 156 Clinton, Milwaukee, Wis.
Bar-Las Co. ("Fog-Tone"), 3318 Foothill blvd, Oakland, Cal.
Boston Tool & Mfg. Co. ("Dumore"), 262 Dover, Boston, Mass.
Folberth Auto Specialty Co. ("Folberth" Automatic), 7914 Lake, Cleveland, O.
Gabriel Mfg. Co. ("Gabriel"), 1407 E. 40th, Cleveland, O.
Jubilee Mfg. Co. ("Safety First"), Omaha, Neb.
Kilbourne & Clark Mfg. ("Rain-E-Day"), 101 Spokane, Seattle, Wash.
Kimball, C. P. & Co. ("Kimbo"), 900H S. Michigan av, Chicago, Ill.
La Vietes Geo. E. Co. ("Ezway"), 491 Whalley, New Haven, Conn.
Nagel, W. G. Electric Co., 33 St. Clair, Toledo, O.
Outlook Co. ("Outlook"), 5518 Euclid av, Cleveland, O.
Stadeker Metal Specialty Co. ("Stadco" "Safe-T," "See-Safe"), 229 W Illinois, Chicago, Ill.
Wessoleck A. W. ("Wessoleck"), New Britain, Conn.

2679— Cleaners (Window)

See also Brushes, Window

Coleman Allan J. ("Improved" Adjustable & Flexible Coil), 308 Wabash av, Chicago, Ill.
Dennis W. J. & Co. ("Ideal"), 2120 W Lake, Chicago, Ill.
Empire Tire & Rubber Corp. (Rubber), Trenton, N. J.
Goodrich B. F. Co. (Rubber), Akron, O.
International Specialties Co. ("Lightning"), Polson bldg, Seattle, Wash.
MacLeod Mfg. Co., 2640 Greenview av, Chicago, Ill.
Osborn Mfg. Co. ("Sure Clean"), 5401 E Hamilton, Cleveland, O.
Outlook Co. (Auto Windshield), 4281 Lexington, Cleveland, O.
Parker Wire Goods Co., Worcester, Mass.
Smith F. H. Mfg. Co. ("Common Sense" Adjustable & "O. K."), 3047 Carroll av, Chicago, Ill.
Standard Cleaner Co. ("Peerless," "X-L-C-R" Rubber), 136 W Lake, Chicago, Ill.

2680—Cleaning (Water Main)

National Water Main Cleaning Co. ("National Method"), 50 Church, New York

2681— Cleanouts

American Foundry & Mfg. Co. (Brass, Cast Iron & Iron Body), 11th & Hebert, St. Louis, Mo.
Barrett Jas. Mfg. Co. ("Barrett Nonpareil," Cast Iron & Iron Body), 117 Pearl, Boston, Mass.
Bignall Co. ("Dandy"), Medina, N. Y.
Blake Specialty Co. ("Blake's"), Rock Island, Ill.
Casey Hedges Co. ("Chattanoogan"), 25th & Chestnut, Chattanooga, Tenn.
Charlotte Pipe & Foundry Co. (Cast Iron & Iron Body), Charlotte, N. C.
Compound Injector & Specialty Co. ("Dehn's Acme," Cast Iron), 419 N Laramie av, Chicago, Ill.
Conrad Jno. F. Co., Elizabeth, N. J.
Cooper Sanitary Mfg. Co. (Brass), 34th & Chestnut, Phila., Pa.
Craig David, 70 Broad, Boston, Mass.
Crampton-Farley Brass Co. ("Noxall" Iron), 221 Main, Kansas City, Mo.
Estabrook's R. Sons ("Boston," Cast Iron), 202 1st, Boston, Mass.
Federal-Huber Co. (Brass), 234 N Halsted, Chicago, Ill.
Fleck Bros. Co. (Brass), 44 N 5th, Phila., Pa.
Glauber Brass Mfg. Co. (Brass & Iron Body), 79th & Platt av, Cleveland, O.
Haines, Jones & Cadbury Co. (Brass & Iron Body), 1136 Ridge, Phila., Pa.
Haydenville Co. (Brass & Iron Body), Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
See adv index at end of book
Heintz Laboratories, 61 Natoma, San Francisco, Cal.
Illinois Malleable Iron Co. (Brass & Iron Body), 1801 Diversey blvd, Chicago, Ill.
Kupferle Jno. C. Foundry Co. (Iron Body), 1st & Wright, St. Louis, Mo.
Modern Iron Works (Cast Iron & Iron Body), Quincy, Ill.
Perkes Chas. (Est. of) (Brass), 627 Arch, Phila., Pa.
Prier Brass Mfg. Co. (Brass & Cast Iron), 15th & Blue River, Kansas City, Mo.
Republic Brass Mfg. Co., 2115 E 27th, Los Angeles, Cal.
Royal Brass Mfg. Co. (Brass), 1418 E 43d Cleveland, O.
Sanitary Co. (Door & Frame Cast Iron, Brass & Iron Body), Dept H, Linfield, Pa.
Stebbins E. Mfg. Co. (Brass), Springfield, Mass.
Street & Kent Mfg. Co. (Brass), 549 Fulton, Chicago, Ill.
Swett A. L. Iron Works (Cast Iron), Medina, N. Y.
Union Brass & Metal Mfg. Co. (Brass), Lawson & Mackubin, St. Paul, Minn.
Union Foundry Co., Fitchburg, Mass.
Union Metal Works, Chelsea, Mass.
Wheeling Sanitary Mfg. Co. (Enameled), Wheeling, W. Va.
Wolff Mfg. Co. (Brass, Cast Iron & Iron Body), 255 N Hoyne av, Chicago, Ill.
Woodward Wanger Co., 1106 Spring Garden, Phila., Pa.

2681a— Cleanser (Aluminum)

Flash Chemical Co. ("Flash"), 160 2nd, Cambridge, Mass.
Spicky Polish Corp. ("Spicky"), 214 Front, San Francisco, Cal.

2682— Cleats (Awning)

Beehler Steel Products Co., 1449 N. 13th, St. Louis, Mo.
See adv index at end of book
Elbel Mfg. Co., 826 Mulberry rd, Canton, O.
Greene, Tweed & Co., 109 Duane, New York
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Malleable Iron Fittings Co. ("M. I. F. Co."), Branford, Conn.
Parker Wire Goods Co., Worcester, Mass.
Reading Hardware Co., Reading, Pa.
Sargent & Co., New Haven, Conn.
Washburn Co. (Wire Goods Div.), 28 Union, Worcester, Mass.

2682a— Cleats (Barrel)

Hubbard Pressed Steel Co., Niles, O.

2683— Cleats (Boat)

American Engineering Co. ("A.-E.-Co."), Aramingo & Cumberland, Phila., Pa.
Davies & Thomas Co., Catasauqua, Pa.
Elbel Mfg. Co., 826 Mulberry rd, Canton, O.
Gillie Machine Co., Tonawanda, N. Y.
Harry L. C. Co., 114 Liberty, New York
LAUGHLIN THOS. CO. (Davit, Gaff Topsail Main Sheet, Navy, Open Base, Round Bottom, Shoulder, Transverse, Wire Stay), 135 Fore, Portland, Me.
See adv index at end of book
Malleable Iron Fittings Co. ("M. I. F. Co."), Branford, Conn.
Marine Hardware Co., Peabody, Mass.
Marine Hardware-Equipment Co., So. Portland, Me.
Marine Mfg. & Supply Co., 153 South, New York
Pusey & Jones Co., Dept. H, Poplar & Front, Wilmington, Del.
Thacher Propeller & Foundry Corp., Albany, N. Y.
Wilcox, Crittenden & Co., Inc. (Brass & Galvanized), 444 S Main, Middletown, Conn. *See adv index at end of book*

2684— Cleats (Car Wiring)

Bryant Electric Co. (Brass), 1421 State, Bridgeport, Conn.
Burns Jas. F., 713 Cherry, Phila., Pa.
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
MORSE FRANK W. (Brass), 289 Congress, Boston, Mass.
See adv index at end of book

2685—Cleats (Compressed Wood Wiring)

Blake Signal & Mfg. Co., 221 High, Boston, Mass.

2686— Cleats (Conduit)

Berger Bros. Co., 229 Arch, Phila., Pa.
Doud-Mac Farlane Machy Co., 1501 Dock, Tacoma, Wash.
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Motor Products Corp., Mack av & Outer Belt Line, Detroit, Mich.

2687— Cleats (Fibre Wiring)

Continental Fibre Co. ("Bakelite Dilecto" & Vulcanized Fibre), Newark, Del.
DELAWARE HARD FIBRE CO. (Electric), Wilmington, Del.
See adv index at end of book
Diamond State Fibre Co., Dept. 37, Bridgeport, Pa.
See adv index at end of book
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
Standard Fibre Co., Miller st, Somerville, Mass.
Wilmington Fibre Specality Co., Wilmington, Del.

2688—Cleats (Porcelain or Clay)

Akron Smoking Pipe Co., Mogadore, O.
Brunt Porcelain Co. The ("Brunt"), Columbus, O.
Carey Ohio Porcelain Co. (Porcelain), Carey, O.
Electric Porcelain & Mfg. Co. (Porcelain Only), Trenton, N. J.
Empire China Works (Porcelain to Order Only), 156 Greene, Brooklyn, N. Y.
Federal Porcelain Co. ("Fedro"), Carey, O.
Imperial Porcelain Works ("Duggan," Porcelain), Trenton, N. J.
Pass & Seymour (Porcelain), Solvay, N. Y.
Thomas R. & Sons Co. (Electrical Porcelain Only), East Liverpool, O.
Trenle Porcelain Co., E Liverpool, O.
Trenton Porcelain Co., Trenton, N. J.

2689— Cleats (Rope)

Brewer Bros. Co. (Wrought), 2nd & Somerset, Phila., Pa.
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Elbel Mfg. Co., 826 Mulberry rd, Canton, O.
Parker Wire Goods Co. ("Handy"), Worcester, Mass.
Patterson, C. T. Co. ("Coleman" "Patterson"), 801 Tchoupitoulas, New Orleans, La.

2689a— Cleats (Wooden)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book
Union Blind & Ladder Co. Inc. (Painters' roof cleats), 3535 Peralta, Oakland, Cal.
See adv index at end of book

2690—Cleavers (Butchers' & Family)

American Cutlery Co. (Family), 764 Mather, Chicago, Ill.
American Knife Co. (Butchers), Baldwinsville, N. Y.
Brecht Co., 1201 Cass av, St. Louis, Mo.
Browne & Dowd Mfg. Co. (Family), Meriden, Conn.
Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Chatillon Jno. & Sons, 85 Cliff, New York
Christy Knife Co. (Family Cleavers), Fremont, Ohio
Clyde Cutlery Co. (Family), Clyde, O.
Enderes, Inc., Albert Lea, Minn.
Evansville Tool Works, 701 W Md., Evansville, Ind.
Forsyth Metal Goods Co. ("Family"), E Aurora, N. Y.
Foster Bros. & Chatillon Co., Fulton, N. Y.
Knickerbocker Mfg. Co. (Family Only), Belleville, N. J.
Mack & Co., Rochester, N. Y.
Nichols' W. E. Sons Co. (Beef Splitting), 53 Mill, Greenfield, Mass.
Ontario Knife Co. (Family), Franklinville, N. Y.
Reading Saddle & Mfg. Co. ("Reading" Family), Reading, Pa.
Richard Stephen Co. ("S. N. Rooster"), Southbridge, Mass.

(Continued on following page)

Cleavers (Butchers' & Family)—Cont.

Stortz, Jno. & Son (Family), 210 Vine, Phila., Pa.
Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.
WELLS-CORPORATION (THE) ("Nichols Bros"), 15 Arch, Greenfield, Mass.
See adv index at end of book
White Ira F. & Son Co. (Family Cleaver & Tender), Bloomfield, N. J.
White L. & I. J. Co., 120 Columbia, Buffalo, N. Y.

2691— Cleavers (Ice)

Gruman Ice Tool Works, Branchville, Conn.

2691a— Cleve's Acid

DU PONT E. I. DE NEMOURS & CO. INC., Dyestuffs Dept., Wilmington, Del.
See adv index at end of book
National Aniline & Chemical Co., Inc., 40 Rector, New York

2692—Clevises (Anchor & Chain)

Bacon & Matheson Forge Co., 17H W. Lander, Seattle, Wash.
Bonney Forge & Tool Works, Telghman, Allentown, Pa.
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Marine Hardware-Equipment Co., So. Portland, Me.
Thacher Propeller & Foundry Corp., Albany, N. Y.
Wilcox Crittenden & Co. Inc., 444 S Main, Middletown, Conn.
See adv index at end of book

2692a— Clevises (Bolt)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

2693— Clevises (Bridge & Structural)

Am. Bridge Co., 71 Broadway, New York
Bethlehem Steel Co., Bethlehem, Pa.
Laughlin Thos. Co. (Ring, Spiral), 135 Fore, Portland, Me.
See adv index at end of book
MERRILL BROS., 3 Arnold, Maspeth, Borough of Queens, N. Y.
See adv index at end of book

2693a—Clevises (Cross-Arm)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

2693b—Clevises (Dead Ending)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

2694— Clevises (Evener)

American Logging Tool Co., Evart, Mich.
Badger Malleable & Mfg. Co., S Milwaukee, Wis.
Rock Island Mfg. Co., Rock Island, Ill.
Stowell Co., The, S Milwaukee, Wis.

2695— Clevises (Plow, Etc.)

Badger Malleable & Mfg. Co., So Milwaukee, Wis.
Danville Malleable Iron Co., Danville, Ill.
Dexter Co. ("Dexter" Automatic), Fairfield, Ia.
Eberhard Mfg. Co., C. & P. Ry & Tennyson rd, Cleveland, O.
Eccles Richard Co., Auburn, N. Y.
Empire Plow Co., 3140 E. 65th, Cleveland, Ohio
Federal Malleable Co. ("Federal"), West Allis, Wis.
Frazer & Jones Co. (Mall.), Syracuse, N. Y.
Harvey Spring & Forging Co., Racine, Wis.
Haven Malleable Castings Co., Cincinnati, Ohio
Herschel R. Mfg. Co., Peoria, Ill.
Illinois Malleable Iron Co. (and wagon), 1801 Diversey blvd, Chicago.
See adv index at end of book
Mason F. C. & Co. ("Mason"), St. Johns, Mich.
National Malleable Castings Co., 7706 Platt, S E, Cleveland, O.
Pratt Wm. E. Mfg. Co. ("Pratt"), 35 W Lake, Chicago, Ill.
Rock Island Mfg. Co., Rock Island
Stowell Co., The, S Milwaukee, Wis.
Tower & Sullivan Mfg. Co., Rome, Ga.
Union Malleable Iron Co., East Moline, Ill.

2696—Clevises (Pump Lifting)

Trahern Pump Co., Rockford, Ill.
Ward Love Pump Corp. ("Warlo"), 716 Race, Rockford, Ill.

2696a—Clevises (Suspension Insulator)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

2696b— *Clews

Laughlin Thos. Co., 135 Fore, Portland, Me.
See adv index at end of book

2697— Climbers (Linemen's)

Bates Extended Steel Truss Co., 208 S La Salle, Chicago, Ill.
Blakeslee Forging Co. ("Donnelly"), Plantsville, Conn.
Buckingham W. H. ("Stephens"), Binghamton, N. Y.
Cincinnati Tool Co. ("Hargrave"), Main & Waverly av, Cincinnati, Ohio
Columbus Handle & Tool Co., Columbus, Ind.
Dicke Tool Co., Downers Grove, Ill.
Irvington Mfg. Co., Irvington, N. J.
Klein, Mathias & Sons, 3200 Belmont av, Chicago, Ill.
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Ransome Concrete Machinery Co. ("Roberts"), Dunellen, N. J.
Reidy Jno. J. ("Superior" Drop Forge), 261 Humphrey, New Haven, Conn.
Smith H. D. & Co. ("S" Drop Forged), Plantsville, Conn.
SMITH & HEMENWAY CO., INC. ("Never Turn," "Swedish" & "Red Devil"), 261 H. B'way, New York, & 130 H. Coit, Irvington, N. J.
See adv index at end of book

2698— Clinometers

Cory Chas. & Son, Inc., 183 Varich, New York
Moeller, A. E. (Ship), 261 Sumpter, Brooklyn, N. Y.
Taylor Instrument Companies ("Tycos"), Rochester, N. Y.

2699—Clippers (Bolt or Rivet)

American Metal Products Co., 72 W Adams, Chicago, Ill.
Carolus Mfg. Co. ("Carolus"), Sterling, Ill.
Chain Belt Co. ("Levalley"), 746 Park, Milwaukee, Wis.
See adv index at end of book
Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.
Irving Mfg. & Tool Co. (Bolt Cutter), 157 Chambers, New York
Plomb Tool Mfg. Co. (Jobbers), 2209 Santa Fe av, Los Angeles, Cal.
Porter H. K. ("Easy," "New Easy," "Allen Randall," "O.K.," "1855"), 6 Ashland, Everett, Mass.
Rivet Cutting Gun Co., 116 E. 3rd, Cincinnati, O.
ROBERTS MFG. CO. ("Roberts" & "Victor"), Somerville Sta., Boston, Mass.
Schollhorn Wm. Co. ("Elm City," "Bernard" Metal Punches, End Cutting), 414 Chapel, New Haven, Conn.

Clippers (Cattle Dehorning)

See Dehorners, Cattle

2700—Clippers (Finger Nail)

Cook H. C. Co. ("Ansonia," "Gem," "Gem, Jr."), 29H Beaver, Ansonia, Conn.
King Klip Co., 136 W 52nd, New York
Klip-Klip Co. (Klip-Klip), Rochester, N. Y.
Sperry & Alexander Co. (Toolever), 79 Chambers, New York

2701—Clippers (Hair, Barbers')

A-C Electrical Mfg. Co. ("Dayton" Electric), Dayton, Ohio
Booker Cutlery & H'dwe. Co., Inc., 101 Duane, New York
Brown & Sharpe Mfg. Co., Providence, R. I.
Coates Clipper Mfg. Co. ("Khedive," "Bay State," "Left Hand," "Coates," "Liberty," "Capitol," "Success," "Triumph"), 237 Chandler, Worcester, Mass.
Racine Universal Motor Co. (Electric "Universal"), 53 W Jackson blvd, Chicago, Ill.

2702— Clippers (Horse)

See also Horse Clipping Machines

American Shearer Mfg. Co. ("Priest's"), Nashua, N. H.
Bartley Bros. & Hall ("Clarks" Imported), 50 Warren, New York
CHICAGO FLEXIBLE SHAFT CO., 1150 S Central av, Chicago, Ill.
See adv index at end of book

2703— Clippers (Orange)

Clauss Shear Co. ("Claus"), Fremont, O.
Harvey Machine Co., 1335 S Los Angeles, Los Angeles, Cal.
Henry John T. Mfg. Co., Hamden, Conn.
Wiss J. & Sons Co., 31 Littleton av, Newark, N. J.

Clippers (Stay Bolt)

See Pneumatic Stay Bolt Clippers

2703a—Clips (Auto Spring)

Beehler Steel Products Co., 1449 N 13th. St. Louis, Mo. *See adv index at end of book*
Bonney Forge & Tool Works, Allentown, Pa.
Clapp E. D. Mfg. Co., Auburn, N. Y.
Cleveland Hardware Co., Lakeside av. & E 45th, Cleveland, Ohio
Columbus Bolt Works, 160 W Randolph, Columbus, Ohio
Eccles Richard Co., Auburn, N. Y.
Mansfield Steel Corp., 954 E Milwaukee, Detroit, Mich.
Phoenix Mfg. Co., Grand River & Lorraine, Detroit, Mich.
Steel Products Co., 220b Clarkwood av, Cleveland, Ohio
Strieby & Foote Co., 301 Ogden, Newark, N. J.
Union Forging Co., Union, N. Y.
Williams J. H. & Co., 31 Richards, Brooklyn, N. Y.

2704— Clips (Axle)

Akron-Selle Co., Akron, O.
Bonney Forge & Tool Works (Automobile & Carriage Spring), Telghman, Allentown, Pa.
Bossert Cork, cor Linden & West av, Utica, N. Y.
Clapp E. D. Mfg. Co., 300 Genesee, Auburn, N. Y.
Cleveland Hardware Co., Lakeside av & E. 45th, Cleveland, O.
Columbus Bolt Works Co., Columbus, O.
Cowles C. & Co., New Haven, Conn.
Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*
Eccles Richard Co. (Drop Forged), Auburn, N. Y.
Harvey Spring & Forging Co., Racine, Wis.
Keystone Forging Co. ("Windsor" Drop Forged), Northumberland, Pa.
Moore Franklin Co., Winsted, Conn.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Smith H. D. & Co., Plantsville, Conn.
Strieby & Foote Co., 301 Ogden, Newark, N. J.
Union Forging Co., Union, N. Y.
Western Tool & Forge Co., Brackenridge, Pa.
Wilcox D. Mfg. Co., Mechanicsburg, Pa.
Williams J. H. Co. (Drop Forgings), 400 Vulcan, Buffalo, N. Y.
Zeigler Mfg. Co., Alexandria, Ind.

2705—Clips (Breeching & Cockeye)

American Mfg. Co., Chattanooga, Tenn.
Frazer & Jones Co., Syracuse, N. Y.
Midland Co., South Milwaukee, Wis.
North & Judd Mfg. Co. ("Anchor Brand"), New Britain, Conn.

Clips (Cable Hanging)

See Hangers, Cable

2706— Clips (Canthook)

American Logging Tool Co., Evart, Mich.
Stowell Co., The, S. Milwaukee, Wis.

2707— Clips (Damper)

Adams Co. ("Adams" Cast Steel & Steel), Dubuque, Ia.
Berger Bros. Co. ("B. B."), 229 Arch, Phila., Pa.
Brohard Co. (Malleable Iron), 3rd & Lehigh, Phila., Pa.
Federal Stamping Co. ("Federal"), Holland, Mich.
Meister & Cochran ("Sterling" No-Rivet), Sterling, Ill.
Parker Supply Co. ("Sure Lock-Clip"), 785 E 135th, New York
Sterling Foundry Co. ("Sterling," No-Rivet), Sterling, Ill.
Stover Mfg. & Engine Co. ("Ideal"), Freeport, Ill.
Taylor & Boggis Foundry Co., Cleveland, O.
U. S. Register Co., Ltd., Battle Creek, Mich.
Wagner C. De Witt, Cedar Rapids, Ia.
Wrightsville Hardware Co., Wrightsville, Pa.

2708— Clips (Floor)

Chicago Builders' Specialties Co. ("O K" Wire), 11 S La Salle, Chicago, Ill.
Mulvey Chas. Iron Works (Steel Floor), 1340 Carroll av, Chicago, Ill.
Stanley Works, New Britain, Conn.
Tichener-Diehl Co., 1844-48 W Austin av, Chicago, Ill.

2709— Clips (Fountain Pen)

Ansonia Novelty Co. ("Anco"), 285H Main, Ansonia, Conn.
Consolidated Safety Pin Co. ("Klymax"), Bloomfield, N. J.
Van Valkenburg, L. D. Co. ("Faultless"), Holyoke, Mass.

2710— Clips (Fuse)

Bryant Electric Co., 1421 State, Bridgeport, Conn.
Chase-Shawmut Co., Newburyport, Mass.
Condit Electrical Mfg. Co ("Shawmut"), 842 Summer, Boston, Mass.
Connecticut Electric Mfg. Co., Bridgeport, Conn.
D. & W Fuel Co., Hathaway, Providence, R. I.
ECONOMY FUSE & MFG. CO., Greenview av, at Diversey Pkwy, Chicago, Ill.
See adv index at end of book
Risdon Mfg. Co. ("Risdon"), Naugatuck, Conn.
Mineraliac Electric Co. ("Jiffy"), 1045 Washington blvd, Chicago, Ill.
Sherman H. B. Mfg. Co., Battle Creek, Mich.

2711— Clips (Hame)

Columbus McKinnon Chain Co., Columbus, Ohio *See adv index at end of book*
East Bangor Mfg. Co., Bangor, Pa.
Frazer & Jones Co., Syracuse, N. Y.
Imperial Bit & Snap Co. ("Imperial," "Eureka"), Racine, Wis.
Midland Co., South Milwaukee, Wis.
North & Judd Mfg. Co. ("Anchor Brand"), New Britain, Conn.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Standard Rivet Co., 41 Lincoln, Boston, Mass.

2712— Clips (Paper)

Ace Paper Clip Co. ("Ace"), Balboa bldg, San Francisco, Cal.
Automatic Pencil Sharpener Co., 58 E Washington, Chicago, Ill.
Buffalo Automatic Mfg. Co. ("Climax"), 165 Pearl, Buffalo, N. Y.
Buffalo Machine Mfg. Co., 1354 West av, Buffalo, N. Y.
Clark H. F. Jr. Mfg. Co. ("Rittenhouse"), 900 F, N W, Washington, D. C.
Clinch Clip Co., 196 Seneca, Buffalo, N. Y.
Clipless Paper Fastener Co., Newton, Ia.
Consolidated Safety Pin Co. ("Eureka"), Bloomfield, N. J.
Cook H. C. Co. ("Vise" Clips, "Cling" Clips, "Bull Dog" Letter), 29H Beaver, Ansonia, Conn.
Cushman & Denison Mfg. Co. ("Gem," "Ideal"), 11th av & 20th, New York
Eagle Pencil Co., 703 E 13th, New York
Eisler Anthony & Co. ("Presto"), 227 Canal, New York
Etching Company of America, 1520H Montana, Chicago, Ill.
Gem Stopper Co. (Gesco"), 2120 Nicholas, Phila. Pa.
Globe-Wernicke Co. (The), 25 Carthage av, Cincinnati, O.
See adv index at end of book
Graff Geo. B. Co. ("Graffco Vise," "Graffco Cling"), 294 Washington, Boston, Mass.
GRAMMES L. F. & SONS ("Jiffy," "Common Sense," "Triangle," "Duplex," "Circle," "Samson," "Grammes"), 311 Union, Allentown, Pa.
See adv index at end of book
Grey Iron Casting Co., Mt. Joy, Pa.
Hoge Mfg. Co. ("Modern"), 215 Fulton, New York
Hotchkiss Sales Co., Norwalk, Conn.
Peck, Stow & Wilcox Co., Southington, Conn.
Sargent & Co., New Haven, Conn.
Van Valkenburg L. D. Co. ("Sta-Fast"), Holyoke, Mass.
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
See adv index at end of book

2713— Clips (Pen & Pencil)

Ansonia Novelty Co., Ansonia, Conn.
Argus Mfg. Co. ("Up-to-Date"), 1134 N Kilborne, Chicago, Ill.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Hoge Mfg. Co. ("Modern"), 215 Fulton, New York
Sterling Metal Novelty Mfg. Co., 174 Worth, N. Y.
Stimpson Edwin B. Co., 852 Kent av., Brooklyn, N. Y.
See adv index at end of book
Traut & Hine Mfg Co., New Britain, Conn.
Van Valkenburg L. D. Co. ("Precision" "Holyoke"), Holyoke, Mass.
Waterbury Button Corporation, 831 S Main Waterbury, Conn.
See adv index at end of book
Western Cartridge Co., East Alton, Ill.

2714— Clips (Saddle, Etc.)

Eccles Richard Co., Auburn, N. Y.

2715—Clips (Singletree & Doubletree)

Eccles Richard Co., Auburn, N. Y.
Harvey Spring & Forging Co., Racine, Wis.

2716— Clips (Structural Steel)

Auer John, Jr (Beam Clips), 197 Middleton, Brooklyn, N. Y.

2717— Clips (Testing)

Condit Electrical Mfg. Co. ("Condit"), 842 Summer, Boston, Mass.
Hartung Chas. F. Co. ("Peerless" Battery), Higgins bldg, Los Angeles, Cal.
MORSE FRANK W. ("Morse Eureka"), 289 Congress, Boston, Mass.
See adv index at end of book
Mueller R. S. & Co. (Insulated Universal), 423 High av, Cleveland, O.

2717a— Clips (Tube)

Colton, Arthur Co. (collapsible), 2600H E. Jefferson, Detroit, Mich.
Kales Stamping Co., 1680 Lafayette blvd, Detroit, Mich.
See adv index at end of book
KEYSTONE GASKET MFG. CO. (For Wire & Pipe), 829 N 4th, Philadelphia, Pa.
See adv index at end of book

2718— Clips (Wire Rope)

American Hoist & Derrick Co. ("Crosby"), St. Paul, Minn.
AMERICAN STEEL & WIRE CO. ("Tiger"), 208 S La Salle, Chicago, Ill.
See adv index at end of book
Bourne-Fuller Co., Hanna bldg, Cleveland, Ohio
Broderick & Bascom Rope Co. (Jobbers), 805 N. Main, St. Louis, Mo.
Channon Jas. H. Mfg. Co. ("Union"), 227 W Erie, Chicago, Ill.
Chicago Wire Rope Preserver Co. ("Chicago"), 1551 W Madison, Chicago, Ill.
Cincinnati Railway Supply Co., 13 E 2d, Cincinnati, O.
Fischer & Hayes Rope & Steel Co., 816 W Erie, Chicago, Ill.
See adv index at end of book
Hallett Iron Works, Harvey, Ill.
Hazard Mfg. Co., Wilkes-Barre, Pa.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Lamson & Sessions Co. ("Bulldog" Galvanized & Japanned), 2188H Scranton Road, Cleveland, Ohio
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
Laughlin Thos. Co., 135 Fore, Portland, Me.
See adv index at end of book
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
Macwhyte Co. ("Macwhyte"), Kenosha, Wis.
Mockbee C. M. ("Cincinnati"), 816 E Pearl, Cincinnati, O.
Moon Geo. C. Co. ("Crescent"), Garwood, N. J.
Neptune Hardware Mfg. Co., 80 Warren, New York
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
ROEBLING'S JOHN A. SONS CO., Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book
Terry & Tench Co., Grand Central Terminal, New York
Upson-Walton Co. The, 1294 W 11th, Cleveland, O.
Wickwire Spencer Steel Corp. ("Crosby"), Worcester, Mass.
See adv index at end of book
Wilcox Crittenden & Co. Inc. ("Nipper" "Crosby"), 444 S Main, Middletown, Conn. *See adv index at end of book*
Williamsport Wire Rope Co., ft. of Campbell, Williamsport, Pa.

2719— Clock Mfrs.

See also Clocks, Various Kinds

Aluminum Container Corp. ("Aluminum"), Fulton, N. Y.
American Schaeffer & Budenberg Corp. (For Engine Room), Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book
Ansonia Clock Co., 99 John, New York
Benedict Mfg. Co., East Syracuse, N. Y.
Celluloid Co., 36 Washington pl, New York
Chelsea Clock Co. (8 Day), 16 State, Boston, Mass.
CHICAGO WATCHMAN'S CLOCK CO. (Portable & Stationary Watchman's Clocks), 1526 S Wabash av, Chicago, Ill.
Costmeter Co., 295 Franklin, Boston, Mass.
DETEX WATCHCLOCK CORP., 4147 Ravenswood av, Chicago, Ill.
See adv index at end of book
Durfee Walter H. & Co. (Tubular Chime), 151 Pond, Providence, R. I.
FOXBORO COMPANY, THE ("Foxboro"), Foxboro, Mass.
See adv index at end of book
Gilbert W. L. Clock Co. (And Regulators), Winsted, Conn.
Gillette Elec. Street Clock Co., 728 Buckingham av, Chicago, Ill.
Hanson Mfg. Co. (School), Princeton, Ind.
Howard E. Clock Co., Bromfield & Washington, Boston, Mass.
Ingraham E. Co., Bristol, Conn.
Ithaca Calendar Clock Co. (Calendar, etc), Ithaca, N. Y.
Landis Engng. & Mfg. Co., Waynesboro, Pa.
Lux Clock Mfg. Co., Inc. (Special Purpose), 85H Sperry, Waterbury, Conn.
Magneta Co., 37 E. 28th, New York
New Haven Clock (Radium Dial), New Haven, Conn.
Pacific Electric Clock Co. ("Estabrook J. J."), 86 3rd, San Francisco, Cal.
Parker Clock Co., Meriden, Conn.
Phelps H. D., Ansonia, Conn.
Pioneer Corp., 1249 W 63d, Chicago, Ill.
Popkin Bros., Inc. (Marine Only), 267-71 Wyckoff, Brooklyn, N. Y.
Self-Winding Clock Co., 163 Grand av., Brooklyn, N. Y.
Sessions Clock Co. (Mantel, Hanging, Regulators, etc), Forrestville, Conn.
Standard Electric Time Co. ("Standard," Electric), Springfield, Mass.
Thomas Seth Clock Co., 19 W 44th, New York Works: Thomaston, Conn.
Waltham Watch Co., Waltham Clock dept., Waltham, Mass.
Warren Clock Co., Ashland, Mass.
Waterbury Clock Co., Waterbury, Conn.
Western Clock Co. (Alarm, etc; also Boy Proof Watches), La Salle, Ill.

2720— Clock Trimmings

Gilbert W. L. Clock Co., Winsted, Conn.
Waterbury Clock Co., Waterbury, Conn.

Clock Works

See Movements, Clock, etc

2721— Clocks (Alarm)

Ansonia Clock Co., 99 John, New York
Borgfeldt Geo. & Co. (Imported), 16th & Irving pl, New York
Darche Mfg. Co. ("Darche," "Call-Me," Electric Alarm, Light & Call), 643 W Washington blvd, Chicago, Ill.
Gilbert W. L. Clock Co. ("Surprise," "Empire," "Best," "G. Whiz," "The Gilbert"), Winsted, Conn.
Ingraham E. Co. ("Indian" with the Bell inside), Bristol, Conn.
Lux Clock Mfg. Co. Inc., 85H Sperry, Waterbury, Conn.
New Haven Clock Co. ("Tattoo"), New Haven, Conn.
Parker Clock Co. ("Mammoth & "Permanent"), Meriden, Conn.
Sessions Clock Co., Forestville, Conn.
Strauss Bros. & Co. (Imp.), 355 B'way, New York
Sussfeld Lorsch & Co. (Imp.), 153 W 23d, New York
Thomas Seth Clock Co., 19 W 44th, New York
Waterbury Clock Co., Waterbury, Conn.
Western Clock Co. ("America," "Big Ben," "Iron Clad," "Lookout," "Bingo"), La Salle, Ill.

2722—*Clocks (Angelus Strikers, Quarter & Half Hour Strikers)

HOWARD E. CLOCK CO., Bromfield & Washington, Boston, Mass.

Clocks (Automobile)

See Clocks & Watches Dashboard

2722a1—Clocks (Boudoir & Desk)

New Haven Clock Co., New Haven, Conn.

2722a— Clocks (Chime)

American Chime Clock Co., 1665 Ruffner, Phila., Pa.
American Cuckoo Clock Co., 1665 Ruffner, Wayne Junction, Phila., Pa.
Ansonia Clock Co., 99 John, New York
Gillette Elec. Street Clock Co., 728 Buckingham pl, Chicago, Ill.
HOWARD E. CLOCK CO., Bromfield & Washington, Boston, Mass.
Kuehl Clock Co. (Hall and Mantel Chime), 125 N. Wabash Ave, Chicago, Ill.
Landis Engng. & Mfg. Co., Waynesboro, Pa.
Lux Clock Mfg. Co., Inc., 85H Sperry, Waterbury, Conn.
Thomas Seth Clock Co., 19 W 44th, New York. Works: Thomaston, Conn.

2723—Clocks (Cost Keeping Systems)

Automatic Time Stamp Co. ("Duragraph" Elapsed Time Recorder), 164 Congress, Boston, Mass.
Costmeter Co., 295 Franklin, Boston, Mass.
International Time Recording Co., 50 Broad, New York
Lux Clock Mfg. Co., Inc., 85H Sperry, Waterbury, Conn.

2724-5— Clocks (Cuckoo)

American Cuckoo Clock Co., 1665 Ruffner, Wayne Junction, Phila., Pa.
Costmeter Co., 295 Franklin, Boston, Mass.
Sussfeld, Lorsch & Co. (Imp.), 153 W 23rd, New York

2726— Clocks (Electric)

American Watchman's Clock Co., 150 Nassau, New York
American Watchman's Time Detector Co., 3403 Perkins av, Cleveland, O.
Bogart A. L. Co., 56 Park pl, New York
BRYANT ELECTRIC CO., 1421 State, Bridgeport, Conn.
Cleveland Magneto Watchman's Clock Co., 150 Nassau, New York
Darche Mfg. Co. (Alarm), 643 W Washington blvd, Chicago, Ill.
Gillette Elec. Street Clock Co., 728 Buckingham pl, Chicago, Ill.
HOWARD E. CLOCK CO. (Secondary), Bromfield & Washington, Boston, Mass.
Imhauser Co. E. (Watchman's), 212 B'way, New York
International Time Recorder Co., 50 Broad, New York
Landis Engng. & Mfg. Co., Waynesboro, Pa.
Magneta Co., 12 John, New York
Pacific Electric Clock Co., 86 3rd, San Francisco, Cal.
PETTES & RANDALL CO., 150 Nassau, New York

(Continued on following page)

Clocks (Electric)—Continued

Self-Winding Clock Co. (Master & Secondary), 163 Grand av, Brooklyn, N. Y.
Standard Electric Time Co. ("Standard" Time System), Springfield, Mass.
Thomas Seth Clock Co., Thomaston, Conn.
Westgate Metal Products Co., E 12th & 47th av, Oakland, Cal.

2727— Clocks (Electric Alarm)

Darche Mfg. Co. ("Call Me," "Flash Light" & "Reminder"), 643 W Washington blvd, Chicago, Ill.
Jansen F. W. Clock Co. ("Timelite"), 217 W. Randolph, Chicago, Ill.
Landis Engng. & Mfg. Co., Waynesboro, Pa.
Manhattan Electrical Supply Co., 17 Park pl, New York
Pacific Electric Clock Co., 86 3rd, San Francisco, Cal.
Partrick & Wilkins Co., 51 N 7th, Phila., Pa.
United Electric Apparatus Co., 1529 Columbus av, Boston, Mass.

2728-9—Clocks (English Hall)

American Cuckoo Clock Co., 1665 Ruffner, Wayne Junc., Phila., Pa.
Colonial Mfg. Co., Zeeland, Mich.
Durfee Walter H. & Co. (Tubular Chime), 151 Pond, Providence, R. I.
Gilbert W. L. Clock Co., Winsted, Conn.
Hershede Hall Clock Co., McMillan & Essex pl, Cincinnati, O.
Howard E. Clock Co., Bromfield & Washington, Boston, Mass.
Ithaca Calendar Clock Co., Ithaca, N. Y.
Landis Engng. & Mfg. Co., Waynesboro, Pa.
Sessions Clock Co., Forestville, Conn.
Sussfeld, Lorsch & Co. (Imp.), 153 W 23rd, New York
Thomas Seth Clock Co., Thomaston, Conn.
Waltham Watch Co., Waltham Clock dept. (Striking or Chiming on Gongs, Bells or Tubes), Waltham, Mass.

2730— Clocks (Laboratory)

Warren Clock Co., Ashland, Mass.

2730a—Clocks (Lace Measuring)

Firsching Jno. A., Utica, N. Y.

2731— Clocks (Locomotive)

AMERICAN SCHAEFFER & BUDENBERG CORP., Berry & S 5th, Brooklyn, N. Y. *See adv index at end of book*
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
HOWARD E. CLOCK CO., Bromfield & Washington, Boston, Mass.
Marsh Jas. P. & Co., 118 S Clinton, Chicago, Ill.
Thomas Seth Clock Co., 19 W 44th, New York. Works: Thomston, Cinn.

2732— Clocks (Marine)

American Schaeffer & Budenberg Corp., Berry & S 5th, Brooklyn, N. Y. *See adv index at end of book*
Ansonia Clock Co., 99 John, New York
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
Gilbert William L. Clock Co., Winsted, Conn.
HOWARD E. CLOCK CO., Bromfield & Washington, Boston, Mass.
Lux Clock Mfg. Co., Inc., 85H Sperry, Waterbury, Conn.
McNab Co. ("McNab" Ship's, Bell and Non-Striking), Bridgeport, Conn.
MANNING, MAXWELL & MOORE, INC. (Ashcroft Mfg. Co. Div.) (U. S. Navy Standard), 100 E 42nd, New York *See adv index at end of book*
Marsh Jas. P. & Co., 118 S Clinton, Chicago, Ill.
National Gauge Co. ("National"), 300 Pacific Brooklyn, N. Y.
Pacific Electric Clock Co., 86 3rd, San Francisco, Cal.
Phelps H. D., Ansonia, Conn.
Popkin Bros. Inc., 267-71 Wyckoff, Brooklyn, N. Y.
Sessions Clock Co., Forestville, Conn.
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.
Thomas Seth Clock Co., 19 W 44th, New York. Works: Thomaston, Conn.
U. S. Gauge Co., 67 Wall, New York
Waterbury Clock Co., Waterbury, Conn.

2733— Clocks (Pneumatic)

Time Systems Co. ("Hahl"), 7755 Gd. River, Detroit, Mich.

Clocks (Program)

See Clocks, Self-Winding & Program, Electric

2734—Clocks (Secondary Electric)

HOWARD E. CLOCK CO., Bromfield & Washington, Boston, Mass.
Landis Engineering & Mfg. Co. ("Landis"), Waynesboro, Pa.
Pacific Electric Clock Co., 86 3rd, San Francisco, Cal.
Standard Electric Time Co. ("Standard"), Springfield, Mass.

2735—Clocks (Self-Winding & Program Electric)

Columbia School Supply Co., 326 W 17th, Indianapolis, Ind.
HOWARD E. CLOCK CO., Bromfield & Washington, Boston, Mass.
International Time Recording Co., Endicott, N. Y.
Landis Engng. & Mfg. Co. ("Frick"), Waynesboro, Pa.
Lockwood & Almquist, 224 E 42d, New York
Magneta Co., 37 E 28th, New York
Pacific Electric Clock Co., 86 3rd, San Francisco, Cal.
Self-Winding Clock Co., 163 Grand av, Brooklyn, N. Y.
Standard Electric Time Co. ("Standard"), Springfield, Mass.
Stromberg Electric Co., 223 W Erie, Chicago, Ill.
Thomas Seth Clock Co., Thomaston, Conn.
Tiffany Never-Wind Clock Corp. ("Tiffany Never-Wind") 2964 Main, Buffalo, N. Y.
Warren Clock Co., Ashland, Mass.

2736—Clocks (Synchronized Systems)

American Watchman's Clock Co., 150 Nassau, New York
Cleveland Magneto Watchman's Clock Co., 150 Nassau, New York
HOWARD E. CLOCK CO., Bromfield & Washington, Boston, Mass.
International Time Recorder Co., 50 Broad, New York
Landis Engng. & Mfg. Co., Waynesboro, Pa.
Magneta Co., 12 John, New York
Pacific Electric Clock Co., 86 3rd, San Francisco, Cal.
PETTES & RANDALL CO., 150 Nassau, New York
Self-Winding Clock Co., 163 Grand av, Brooklyn, N. Y.
Standard Electric Time Co. ("Standard"), Springfield, Mass.
Warren Clock Co., Ashland, Mass.

2737—Clocks (Time-Recording System)

See also Recorders (Time)

Automatic Time Stamp Co., 164 Congress, Boston, Mass.
Bryant Electric Co., 1421 State, Bridgeport, Conn.
Bundy W. H. Recording Co., 69 Cortlandt, New York
Cincinnati Time Recorder Co., 1733 Central av, Cincinnati, O.
Costmeter Co., 295 Franklin, Boston, Mass.
DETEX WATCHCLOCK CORP., 4147 Ravenswood av, Chicago *See adv index at end of book*
ECO CLOCK CO. (Detex Watchclock Corp., Successor), 197 Congress st, Boston, Mass. *See adv index at end of book*
Gisholt Machine Co., 1315 E Washington, Madison, Wis.
HOWARD E. CLOCK CO., Bromfield & Washington, Boston, Mass.
International Time Recording Co. of New York ("Rochester," "Dey"), Endicott, N. Y.
NEWMAN CLOCK CO. (Detex Watchclock Corp., Successor), 428 Broadway, New York *See adv index at end of book*
Pacific Electric Clock Co., 86 3rd, San Francisco, Cal.
Simplex Time Recorder Co. ("Simplex"), Gardner, Mass.
Stromberg Electric Co., 223 W Erie, Chicago, Ill.
Warren Clock Co., Ashland, Mass.

2738— Clocks (Tower)

HOWARD E. CLOCK CO. (Angelus Strikers, Quarter & Half-Hour Strikers), Bromfield & Washington, Boston, Mass.
Landis Engineering & Mfg. Co. ("Landis"), Waynesboro, Pa.
Pacific Electric Clock Co., 86 3rd, San Francisco, Cal.
Self-Winding Clock Co., 163 Grand av, Brooklyn, N. Y.
Standard Electric Time Co. ("Standard." Electric), Springfield, Mass.
Thomas Seth Clock Co., 19 W 44th, New York. Works: Thomaston, Conn.
Warren Clock Co., Ashland, Mass.

2739— Clocks (Watchman's)

See also Time Recorders

American Watchman's Clock Co. (Time Detectors, also Employees Clocks), 150 Nassau, New York
American Watchman's Time Detector Co. ("Cleveland," Magneto American Watchman's Time Detector), 3403 Perkins av, Cleveland, O.
Bundy W. H. Recording Co. ("Simplex"), 69 Cortlandt, New York
CHICAGO WATCHMAN'S CLOCK CO. (Portable & Stationary Watchman's Clocks), 1526 S Wabash av, Chicago, Ill.
Cleveland Magneto Watchman's Clock Co. (Time Detectors, also Employees Clocks), 150 Nassau, New York
Daugherty, W. D., 133 9th, Pittsburgh, Pa.
DETEX WATCHCLOCK CORP., 4147 Ravenswood av, Chicago *See adv index at end of book*

DETEX
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"The World's Best"

DETEX PATROL This is the most flexible of all watchclock systems. It expands with the growing plant, without any change in the units already installed. The recording mechanism is in the station. The clock is always the same size and weight, regardless of the number of stations recorded. The choice of many of the country's largest watchlock users.

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Detex Watchclock Corporation
(Manufacturers under Hardinge Patents)
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ECO CLOCK CO. (Electric & Portable), 197 Congress, Boston, Mass. *See adv index at end of book*

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"The World's Best"

DETEX ECO This is the most accurate of all watchclock systems. If it is important to have an extremely exact record of a watchman's movements, this is the system we recommend, as it registers practically *to the minute*. It is an excellent system in every respect. The style of key and the principle of the recording mechanism preclude the possibility of falsifying records.

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ECO CLOCK COMPANY
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New York CHICAGO Boston

Edwards & Co., Exterior & 140th, New York
Hausburg E. O. (Stationary, Portable & Electric. Send for Descriptive Catalogue), 45 Maiden la, New York
Holtzer-Cabot Electric Co., 125 Amory, Boston, Mass.
Hoppe Paul F. Co., 216 Fulton, New York
HOWARD E. CLOCK CO. ("Howard" Electric), Bromfield & Washington, Boston, Mass.
IMHAUSER CO. E. ("Watchman's" Clock Repairing, all kinds of clock repairing), 212 B'way, New York
International Time Recorder Co., 50 Broad, New York
Landis Engng. & Mfg. Co., Waynesboro, Pa.
Nanz Clock Co. ("Hahn," "Nanz Imperial"), 428 B'way, New York

NEWMAN CLOCK CO. (Stationary, Portable and Electric), 428 Broadway, New York
See adv index at end of book

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Watchclock Systems
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DETEX
NEWMAN The oldest and best known of all American watchclocks. More of them are in use than all others combined. Records an individual character for each station and is fool and tamper proof. A thoroughly dependable, durable system, endorsed by thousands of users in every part of the world.

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PETTES & RANDALL CO. (Time Detectors, also Employees Clocks), 150 Nassau, New York
Riggs & Bro. (Electric & Portable), 310 Market, Phila., Pa.
Safety Fire Extinguisher Co., 295 7th av, New York

2740— Clocks (Watchman's Portable)

CHICAGO WATCHMAN'S CLOCK CO. (Portable & Stationary Watchman's Clocks), 1526 S Wabash av, Chicago, Ill.
DETEX WATCHCLOCK CORP., 4147 Ravenswood av, Chicago, Ill.
See adv index at end of book
ECO CLOCK CO., 197 Congress st, Boston, Mass.
See adv index at end of book
NEWMAN CLOCK CO., 428 Broadway, New York
See adv index at end of book
Rowe A. C., 78-80 Reade, New York
Safety Fire Extinguisher Co., 295 7th av, New York
Thomas R. A. Co., Wells Fargo bldg, San Francisco, Cal.

2741—Clocks & Watches (Dashboard)

Chelsea Clock Co., 16 State, Boston, Mass.
Keith Landis Corp. ("Keith Landis" Electric), 337 W Madison, Chicago, Ill.
Luminite Co ("Luminite"), 144 W 18th New York
Post & Lester Co. ("Regal"), Hartford, Conn.
Sessions Clock Co., Forestville, Conn.
Thomas Seth Clock Co., Thomaston, Conn.
Waterbury Clock Co., Waterbury, Conn.

2742— Clogs

Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
Buffalo Last Works, 4 Lock, Buffalo, N. Y.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

Closet Seat Bumpers
See Rubber Bumpers

2743— Closets (Chemical)

Automatic Chemical Closet Co. ("Auto-Kemclo," Vitreous China), 1528 Washav N, Minneapolis, Minn.
Chemical Toilet Corp., Syracuse, N. Y.
Coast Culvert & Flume Co., Col. blvd & Derby, Portland, Ore.
Dail Steel Products Co., Lansing, Mich.
Kaustine Co. Inc. ("Kaustine"), Niagara Life bldg, Buffalo, N. Y.
Kelly Derby Co. ("Kaustine," Waterless Dirs.), 321 N Crawford, Chicago, Ill.
Rowe Sanitary Mfg. Co., 508 W Congress, Detroit, Mich.
Sanitary Chemical Closet Co., Hillsdale, Mich.
Smith System Heating Co., 212 S E Ontario, Minneapolis, Minn.
United Engine Co., Lansing, Mich.
Waterman Waterbury Co., 1121 Jackson N. E., Minneapolis, Minn.

2743a— *Closets (Dry)

Dixie Culvert & Metal Co. ("Haygood"), Atlanta, Ga.
Rochester Can Co. ("Iron Horse" Galvanized), 89 Hague, Rochester, N. Y.

2744— Closets (Dry Earth)

American Warming & Ventilating Co. ("American Cremating"), Elmira, N. Y.
Dixie Culvert & Metal Co. (Healthguard"), Atlanta, Ga.
MaGirl P. H. ("Mammoth"), Bloomington, Ill.
Standard Sanitary Mfg. Co., H. Bessemer bldg, Pittsburgh, Pa.
Stephenson C. H. ("Stephenson" Portable Underground), Lynn, Mass.
Universal Sanitary Mfg. Co., New Castle, Pa.

2744a— *Cloth (All Kinds)

Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y.
See adv index at end of book

Cloth (Asbestos)
See Asbestos Material

2744b— Cloth (Automobile)

Athol Mfg. Co. ("Atholeather Top"), Athol, Mass.
Barrell Wm. L. Co., 50 Leonard, New York
Duncan W. H. Co., Inc., 70 Worth, New York
Fitchburg Duck Mills, Fitchburg, Mass.
Glenside Woolen Mills (Cotton & Woolen), Skaneateles Falls, N. Y.
Goodlatte, T. R. & Sons Inc., Delawanna av, Delawanna, N. J.

2744c— Cloth (Balloon)

Goodyear Tire & Rubber Co., Akron, O.
Humphrys R. A. Sons, 1026 Calowhill, Phila., Pa. *See adv index at end of book*

2745— Cloth (Billiard Table)

Saxton Woolen Co. (Woolen), Norwich, Conn.
Spinks Wm. A. & Co., 362 W Erie, Chicago, Ill.

2745a— *Cloth (Blue Print)

Pease C. F. Co., 320 N Franklin, Chicago, Ill. *See adv index at end of book*
Weber Co., F., 1220 Buttonwood, Phila., Pa.

2746— Cloth (Bolting)
See also Wire Cloth

ABBE PAUL O., INC., 71A Murray, New York *See adv index at end of book*
Abbe Engineering Co. (Swiss Silk), 38 Church, New York
See adv index at end of book

THE GENUINE "DUFOUR"
SWISS SILK
BOLTING CLOTH
ABBÉ ENGINEERING CO.
38 CHURCH ST. PHONE
NEW YORK CORTLANDT 0055

Allis-Chalmers Mfg. Co. (Flour Mill Bolters, Sifting Reels), Milwaukee, Wis. *See adv index at end of book*
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Buffalo Weaving & Belting Co. (Webs), 215 Chandler, Buffalo, N. Y.
Bullock, C. K., Co. (Importers), 1357H Ridge av, Phila., Pa.
Cornelius Mill Furnishing Co. ("Bodmer" & "Schindler" Silk, Imported), 119 N 6th, St. Louis, Mo.
Estey Wire Works Co. (Wire), 34 Cliff, New York
Gump B. F. Co. (Silk), 431 S Clinton, Chicago, Ill.
Hammond-Homberger Co. ("Excelsior Anchor"), Silver Creek, N. Y.
Holmes & Blanchard Co. ("Imperial" Silk), 928 Broadway, Boston, Mass.
Howard & Morse (Wire), 45 Fulton, New York
Kress & Co., 29-33 Lafayette, New York
Latimer R. L. & Co. ("Anchor Brand"), 24 N Front, Phila., Pa.
Ludlow-Saylor Wire Co., 600-640 S Newstead av, St. Louis, Mo.
See adv index at end of book
Michigan Wire Cloth Co., 2100 Howard, Detroit, Mich.
See adv index at end of book
Multi-Metal Co. ("Multi-Metal"), 801 E 139th, New York
Newark Wire Cloth Co., 223 Verona av, Newark, N. J.
Nordyke & Marmon Co. (Silk & Wire), Kentucky av & Morris, Indianapolis, Ind.
Robinson H. Mfg. Co., Muncy, Pa.
Russel Mfg. Co. ("Rusco"), Dept. H, Middletown, Conn.
Sprout Waldron & Co., Muncy, Pa.
See adv index at end of book
TOBLER & CO., INC. ("Dufour" Silk, Imported), 115 Broad, New York.
TRABER, A. P. 71-73 Murray, New York
TYLER W. S. CO. (Wire), Cleveland, O.
See adv index at end of book

2747— Cloth (Book)

Bancroft Jos & Sons Co., Wilmington, Del.
Holliston Mills (all kinds), Norwood, Mass.
Interlaken Mills, Turks Head bldg, Providence, R. I.
Irving Mfg. Co. (Buckram), 23 Jersey, New Brighton, S. I., N. Y.
Richter Mfg. Co. (Buckram), Tenafly, N. J.
Thompson Jas. & Co. (Buckram), 112 Prince, New York

2748— Cloth (Brattice)

Childs H. L. & Co. (Importers), 249 Water, Pittsburgh, Pa.
COLONIAL SUPPLY CO. ("Colonial," "Continental," "Independence"), 217 Water, Pittsburgh, Pa.
See adv index at end of book
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Fulton Bag & Cotton Mills ("F-F-F-F" Non-Inflammable Jute), Atlanta, Ga.
Hettrick Mfg. Co., Toledo, O.
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Irving Mfg. & Tool Co., 157 Chambers, New York
Johnston - Morehouse - Dickey Co. ("J. M. D." Non-Inflammable Jute), 106 Market, Pittsburgh, Pa.
MIKESELL BROS. CO. (Non-Inflammable, Moisture-Proof Jute & Duck), Wabash, Ind. *See adv index at end of book*
Turner C. A., 3d & Chauncery, Pittsburgh, Pa.
TURNER LAURIN H. CO. (Manufacturers No. 20 and No. 20 Special "Matchless" Non-Inflammable Cotton Duck Brattice Cloth, seamless to usual widths, made from the best quality cotton duck on the market, and No. 1240 and No. 1440 "Matchless" Non-Inflammable Jute Brattice, seamless to usual widths, including 96 in.), 226 W Adams, Chicago, Ill.
Upson-Walton Co. (The) (Imp.), 1294 W 11th, Cleveland, Ohio

2748a—*Cloth (Brown Process)

Pease C. F. Co., 320 N Franklin, Chicago, Ill. *See adv index at end of book*

Cloth (Camel's Hair)
See Cloths, Press

2749— Cloth (Casket)

Fulton Bag & Cotton Mills, Atlanta, Ga.
Glenside Woolen Mills, Skaneateles Falls, N. Y.
Neponset Woolen Mills, Canton Junction, Mass.

2749a— Cloth (Cement)

CLEVELAND WIRE CLOTH & MFG. CO. (THE), 3574 E 78th, Cleveland, O.
See adv index at end of book
Fulton Bag & Cotton Mills, Atlanta, Ga.
Ludlow-Saylor Wire Co., 600-640 S Newstead av, St. Louis, Mo.
See adv index at end of book

2750— Cloth (Cheese)

BAYLIS SANITARY SUPPLY CO., 340 W Superior, Chicago
See adv index at end of book
Fulton Bag & Cotton Mills, Atlanta, Ga.
Griswoldville Mfg. Co., Griswoldville, Mass.
Lewis Mfg. Co. (Absorbent & Unbleached, "Curity"), Walpole, Mass.

2751—Cloth (Clearer & Roller)

Noone's Jos. Sons Co., Peterboro, N. H.

Cloth (Emery, Flint & Garnet)
See Paper, Flint, Sand & Emery

2752— Cloth (Gummed)

California Binding Co. 272 Sutter, San Francisco, Cal.
McLaurin-Jones Co., Brookfield, Mass.
Nashua Gummed & Coated Paper Co., Nashua, N. H.
Thomas Stationery Mfg. Co., Springfield, O.

2753— Cloth (Insulating)

See also Mica; also other Insulating Specialties

American-Di-Electrics Ltd., 466 E. 7th, Brooklyn, N. Y.
American Mica Co. ("Puritan"), Newton Lower Falls, Mass.
Chicago Mica Co. ("Champion"), Valparaiso, Ind.
Dunton M. W. Co. ("Gibralter"), 150 Niagara, Providence, R. I.
Dutchess Bleachery, Inc. ("Dutchess"), Wappingers Falls, N. Y.
Irvington Varnish & Insulator Co., Irvington, N. J.
Meirowsky Bros. (Also Silk), Jersey City, N. J.
Mica Insulator Co. ("Empire," "Kablak"), 68 Church, New York
Mica Mfg. Co. ("Micasmiths"), 135 Johnson, Brooklyn, N. Y.
Mitchel-Rand Mfg. Co., 26 Vesey, New York
Oeters Edgar O. Co., 603 Arch, Phila., Pa.
Pittsburgh Insulating Co. (Electrical Yellow & Black Varnished Cambric, Silks & Tapes), 96 43d, Pittsburgh, Pa.
Schenectady Linonite Co., Schenectady, N. Y.
Standard Underground Cable Co., 17th & Pike, Pittsburgh, Pa.
Westinghouse Electric Mfg. Co., East Pittsburgh, Pa. *See adv index at end of book*

2753a— Cloth (Metal Filter)

Newark Wire Cloth Co., 223 Verona av, Newark, N. J.
Supple-Biddle Hardware Co., 510 Commerce, Phila., Pa.

2754— Cloth (Rubber Coated)

Aronoff Joseph J. (Auto Top), Trenton, N. J.
Boston Woven Hose & Rubber Co., Cambridge, Mass.
Chase L. C. & Co. ("Drednaut" & "Wexford" Motor Topping), 89 Franklin, Boston, Mass.
Chicago Rubber Clothing Co. (Piece Goods), Racine, Wis.
Clifton Mfg. Co., 65 Brookside av, Jamaica Plain, Boston, Mass.
DU PONT E. I. DE NEMOURS & CO. INC., Fabrikoid Div. ("Du Pont," "Pontop." See adv. at Leather Artificial), Newburgh, N. Y.
See adv index at end of book
Duratex Co. ("Duratop"), 760 Frelinghuysen, Newark, N. J.
Hale Alfred Rubber Co., Atlantic, Mass.
Hodgman Rubber Co., 25 W 43d, New York
Mutty L. J. Co. (Numotor), 175 Congress, Boston, Mass.
Plymouth Rubber Co., Canton, Mass.
Pocono Rubber Cloth Co., Trenton, N. J.
Pantasote Co., 11 B'way, New York
Rosenwald & Weil ("Imperial"), 1514 W Kinzie, Chicago, Ill.
Toledo Auto Fabrics Co., Blucher & Buckingham, Toledo, Ohio

2755— Cloth (Umbrella)

Ashland Cotton Co. (Cotton), Jewett City, Conn.
Dundee Textile Co., Passaic, N. J.
Haenichen Bros. Silk Co., Paterson, N. J.
Lock Haven Silk Co. (Lock Haven, Pa.
Muller Gloria Mills (Silk), Norwalk, Conn.
Newburgh Silk Co., Newburgh, N. Y.
Pennsylvania Silk Co., Bangor, Pa.

2755a-1—*Cloth (Waterproof)

DU PONT E. I. de NEMOURS & CO. INC., Fabrikoid Div. ("Fabrikoid." See adv. at Leather Artificial), Newburgh, N. Y.
See adv index at end of book
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Hydrex Asphalt Products Corp., 120 Liberty, New York

Cloth (Wire)

See Wire Cloth

2755a—Cloth-Wire (Centrifugal)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
Bennet Wire Co., Inc., 7 E 42nd, New York.
See adv index at end of book
Ludlow-Saylor Wire Co., 600-640 S Newstead av., St. Louis, Mo.
See adv index at end of book
Newark Wire Cloth Co., 223 Verona av, Newark, N. J.
See adv index at end of book
Tyler W. S. Co., Cleveland, Ohio.
See adv index at end of book

2756—Clothes Dryers (Hot Air, Steam, Etc.)

Adams Laundry Machinery Co., Troy, N. Y.
Am. Clothes Dryer Co., 224 W 26th, New York
Amer. Wringer Co., 91 Social, Woonsocket, R. I.
Anderson Gas Appliance Co., 190 Madison, Portland, Ore.
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Chicago Dryer Co., 2210 N Crawford av, Chicago, Ill.
Combustion Utilities Corp., 8-10 Bridge, New York
Domestic Laundry Equipment Corp. ("Chicago," "American"), 224 W. 26th, New York
Hawkins Rollyn, 914 Elm, Indianapolis, Ind.
Hill Clothes Dryer Co. ("Hill-Canton" Cabinet), Worcester, Mass.
Hopkins L. Mfg. Co., North Girard, Pa.
Lotzes A & Sons Co., 8th & Broadway, Cincinnati, Ohio
Mannen John E. Co. ("Manest"), 2247 St. Clair, Cleveland, O.
Miller Wm. Range & Furnace Co., 125 E 5th, Cincinnati, O.
Speck Mfg. & Gear Co., 2130H Folsom, San Francisco, Cal.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Troy Laundry Machinery Co., Ltd., 23d & La Salle, Chicago, Ill.
Williamson Heater Co. ("Favorite"), 335 W 5th, Cincinnati, O.

2757—Clothes Dryers (Lawn, Balcony, Etc.)

See also Bars, Clothes

Albion Wood & Metal Products Co., Inc. ("Foldrier" Folding Wall Cabinet), Albion, N. Y.
Chicago Dryer Co. ("Chicago," "Chicago Laundry," "Chicago Francis," "Chicago Rapido," "Sun" Clothes Drying Cabinets with Trucks), 2210 N Crawford av, Chicago, Ill.
Cooper & McKee, 119 Lorimer, Brooklyn, N. Y.
Corbett & Co., 429 E 109th, New York.
Eagley-Morrison Co., North Girard, Pa.
Fleck M., 338 E 128th, New York
Hill Clothes Dryer Co. ("Hill"), Worcester, Mass.
Kalamazoo Specialty Co. ("Perfection"), Kalamazoo, Mich.
Moulton C. W. H. Co. (Folding, etc), Somerville, Mass.
Munnsville Plow Co. ("Munnsville Best"), Munnsville, N. Y.
Olmsted A. E. ("American"), Orwell, N. Y.
Overhead Kitchen Clothes Dryer Co., 471 W. 145th, New York
Penn Mfg. Co., North Girard, Pa.
Portland Extension Ladder & Pole Co. (Lawn), 130 Orange, Newark, N. J.
Standard Clothes Dryer Co. (Revolving), 9th & Burnoat, Worcester, Mass.
Steinfeld Bros. (Bars, Arm & Wall), 116 W 22d, New York
Stiles, H. A., & Co. ("Apex" elevating wall, folding), 166-174 Portland, Boston, Mass. *See adv index at end of book*
Success Mfg. Co. (Yard or Lawn, "Success"), Gloucester, Mass.
Victor Dryer Co. ("Victor"), 479 Park av, Worcester, Mass.
Waterhouse Mfg. Co. ("Waterhouse"), 2500 McPherson, Los Angeles, Cal.

2758-9— Clothes Lines

See also Rope, Cotton, etc

American Mfg. Co. (Jute), Noble & West, Brooklyn, N. Y.
Atlantic Tubing Co., 1756 Cranston, Providence, R. I.
Beebe Cordage Co., Rockaway, N. J.
Cleveland Mill & Power Co. (Cotton), Lawndale, N. C.
Columbian Rope Co., 3050 Genesee, Auburn, N. Y.
Dale Margaret, Arlington Mass.
Estes Mills ("Granite," "Bristol," "Export," "Bargain," "Business," "Merchant," "Eureka," "Winner," "Niagara," "J. H. E." & "Markdown"), Fall River, Mass.
Hooven & Allison Co., Xenia, O.
Howard Dustless Duster Co., 290 Franklin, Boston, Mass.
January & Wood Co., Maysville, Ky.
Kelley, Hy. C., Co., 35-37-39 Worth, New York
Mallison Braided Cord Co. (Cotton), Athens, Ga.
Puritan Cordage Mills (Cotton), Louisville, Ky.
St. Louis Cordage Mills, 1715 S 11th, St. Louis, Mo.
Samson Cordage Works, 88 Broad, Boston, Mass.
Sanderson L. M. (Cotton), Haydenville, Mass.
Schlichter Jute Cordage Co. (Jute), 20 N Front, Phila., Pa.
Silver Lake Co., Newtonville, Mass.
Small Bros., Fall River, Mass.
Southern Mills Corp. (Cotton), Oxford, Ala.
Tate E. H. Mop & Cordage Co. ("Best Quality"), 67 Sudbury, Boston, Mass.
Tate Mfg. Co., 48 Hanover, Boston, Mass.
Toohey M. J. & Co. (Cotton), Full River, Mass.
Tribble Cordage Mills ("Tribble," Cotton, "Beauty" & "Diamond"), 59 Temple pl, Boston, Mass.
Tubbs Cordage Co., Kohl bldg, San Francisco, Cal.
Turner & Stanton Co., Norwich, Conn.

2760— Clothes Lines (Wire)

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Hollow Cable Mfg. Co. (Galvanized), Hornell, N. Y.
Indiana Steel & Wire Co. (Twisted & Solid Galvanized), Muncie, Ind.
Malin & Co., 2514 Vestry av, Cleveland, O.
Parker Wire Goods Co. (Rust Proof), Worcester, Mass.
Wickwire Spencer Steel Corp. ("Excelsior" Brand Reinforced Hollow Cable; also Plain & Twisted Wire), 41 E 42nd, New York *See adv index at end of book*
Wright G. F. Steel & Wire Co., 243 Stafford, Worcester, Mass.

2761—Clothes Reel Centers (Iron)

Adams Co., Dubuque, Ia.
Cheney S. & Son, Manlius, N. Y.
Indiana Foundry Co., Indiana, Pa.
Klauer Mfg. Co., Dubuque, Iowa
Swett A. L. Iron Works, Medina, N. Y.

2762— Clothing (Oiled)

Alligator Clothing Co., 4171 Bingham, St. Louis, Mo.
Carter J. F. Co., Beverly, Mass.
Corliss C. R. & Son, Gloucester, Mass.
Franklin Rubber Co., 134 Federal, Boston, Mass.
Gloucester Oiled Clothing Co., Gloucester, Mass.
Goodall Rubber Co., 8th & Locust, Phila., Pa.
Goodyear Rubber Co. ("Gold Seal," "Hippo"), 539 Mission, San Francisco, Cal.
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Johnson George A. Co., Inc. ("Johnson's Best"), 5131 Leary av, Seattle, Wash.
Nelson J. M., Gloucester, Mass.
Nickerson Levi Co., Gloucester, Mass.
Sawyer H. M. & Son ("Excelsior"), Cambridge, Mass.
Schwartz & Berstein, Gloucester, Mass.
Snyder, M. L., & Son (Aprons), 223 Church, Phila., Pa.
Standard Oiled Clothing Co., 810 E 152, New York
Tower A. J. Co. (Fish Brand), 18 Simmons, Boston, Mass.
Waterproofed Products Co. ("Walrus," "Gold Medal," "Red Whale"), 1150 25th av, Oakland, Cal.

2763— Clothing (Rubber)

American Rubber Co., 130 Essex, Boston, Mass.
Chicago Rubber Clothing Co., Racine, Wis.
Clifton Mfg. Co., 65 Brookside av, Jamaica Plain, Boston, Mass.
Firestone-Apsley Rubber Co., Hudson, Mass.
Franklin Rubber Co., 134 Federal, Boston, Mass.
Goodall Rubber Co., 8th & Locust, Phila., Pa.
Goodyear Tire & Rubber Co., Akron, O.
Hodgman Rubber Co., 25 W 43, New York
HUMPHRYS' R. A. SONS 1026 Callowhill, Phila., Pa. *See adv index at end of book*

2764— Cloths (Copying)

Adams Mfg. Co., 86 E. Plumsted, Phila., Pa.
Eureka Blotter Bath Co. ("Eureka," Sanitary"), 3732 S. Wallace, Chicago, Ill.

2765— Cloths (Dustless Dust)

Cedar-Sweep Co. ("C. S. C."), Los Angeles, Cal.
Dunlap Mfg. Co. ("Oil of Gladness"), Bloomington, Ill.
Hoag Duster Co. ("Hoag"), Monticello, Ia.
Howard Dustless Duster Co. ("Howard Dustless Duster"), 290 Franklin, Boston, Mass.
Milton Chemical Co. ("B. B."), 156 Sixth, Cambridge, Mass.
Ohio Duster Co. ("Elite"), Cleveland, O.
Pioneer Mfg. Co. ("Shino"), 3053H E. 87th, Cleveland, O.
Ritzenthaler John, 73 Franklin, New York
Rochester Chemical Co., Rochester, N. Y.
Super-Glos Mfg. Co. ("Dustin-Kloth"), 710 Van Ness av, San Francisco, Cal.
Tate E. H. Mop & Cordage Co. ("Best Quality"), 67H Sudbury, Boston, Mass.
Universal Brush Co. ("Kleanwell," "Faultless," "De Lux" & "Midget" Yarn Hand), Freeport, Ill.
Well-Ransom Co. ("Absorbo"), 816 Fulton, Chicago, Ill.

2766— Cloths (Filter)

(Names with * also manufacture Monel Metal)

Amalgamated Metals Selling Co., Ltd., 42 B'way, New York
Angel H. Reeve & Co., Inc., 7 Spruce, New York
*Beckley Perforating Co., Garwood, N. J.
Best Edward H. & Co., Inc. (Cotton & Wool), 222H Purchase, Boston, Mass.

Boyle John & Co., 112 Duane, New York
Brighton Mills, Passaic, N. J.
Brooklyn Filter Bag Co. (Cotton), 643 Kent av, Brooklyn, N. Y.
Channon H. Co., 150 N Market, Chicago, Ill.
*Cleveland Wire Cloth Co., Cleveland, O.
Danubil Co., Inc. (Asbestos), Postal Telegraph bldg, New York
Darcoid Company (Asbestos), 1780 B'way, New York *See adv index at end of book*
Duro Co., 50H Pearl, Boston, Mass.
Filter Fabrics Co. (A Special Cloth for Every Filtration Purpose), Salt Lake City, Utah
Hall W. & Co., Lansdowne, Pa.
*Hendrick Mfg. Co., Carbondale, Pa.
Hettrick Mfg. Co., Toledo, O.
Hoegee, Wm. H. Co., Los Angeles, Cal.
House Chas. W. & Sons, Unionville, Conn.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Huyck, F. C. & Sons, Albany, N. Y.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall st, New York. (See insert under Monel Metal)
See adv index at end of book

INCo
Monel metal
FILTER CLOTH
1—Resists Corrosion of Alkalis and Most Acids.
2—Will Not Rust.
3—Strong As Steel, Resists Abrasion.
4—Securable in All Meshes from the Leading Wire Cloth Manufacturers.
SEE OUR INSERT AT MONEL METAL
THE INTERNATIONAL NICKEL COMPANY
67 Wall Street New York, N.Y.

*Jelliff Mfg. Corp., C. O., Southport, Conn.
Johns-Manville, Inc. (Asbestos), Madison av & 41st, New York
Johnson, John, Co., 37th and 2nd av, Brooklyn, N. Y.
Lane J. H. & Co. (Jobbers), 250 W 57th, New York
Ludlow-Saylor Wire Co., 600-640 S Newstead av, St. Louis, Mo.
See adv index at end of book
*Magosy & Buscher, 232 Canal, New York
Milwaukee Bag Co., 206 S. Water, Milwaukee. Wis.
Mt. Vernon-Woodberry Mills, Inc., Cont. bldg, Baltimore, Md.
Multi-Metal Co., 801 E 139th, New York
*Munning & Co., A. P., Matawan, N. J.
National Filter & Cloth Weaving Co. (Cotton, Flax & Jute), 134 Broadway, Brooklyn, N. Y.
National Sales Co. (Imp.), 31 E 13th, Cincinnati, O.
Newark Wire Cloth Co. (Metallic), 223 Verona av, Newark, N. J.
O-Kleen-O Products Co., 812 Madison av, Baltimore, Md.
Oliver Continuous Filter Co., 503 Market, San Francisco, Cal.
Provost Engng. Corp., 220 B'way, New York
*Sholes, Inc., 186 Lafayette, New York
Shriver T. & Co., Harrison, N. J.
*Smith & Co., John P., New Haven, Conn.
Sperry, D. R., & Co., Dept. H, Batavia, Ill.
Stanley Wm. W., 62 White, New York
*Steel Products Mfg. Co., Cicero, Ill.
Supplee-Biddle Hardware Co., 510 Commerce, Phila., Pa.
Tate E. H. Mop & Cordage Co. ("Best Quality"), 65 Sudbury, Boston, Mass.
*Taylor Disc Co., Mansfield, O.
Turner Halsey Co., 62 Leonard, New York
Tyler W. S. Co. (Metallic), Cleveland, O.
U. S. Mop Co., Toledo, O.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Wilson Co., Greenville, S. C.

2767— Cloths (Polishing)

Best, Edward H., & Co., Inc. (and Rubbing), 222H Purchase, Boston, Mass.
Fricke Adolf ("Fricke," "Chamoise," "Silvena" Silk Silver), 73 Franklin, New York
G. V. Sales Co. ("Omy"), 245 Robinson, Brooklyn, N. Y.
General Supply Corp., Dorcester, Mass.
Landers Bros. Co. (Sanitary), Toledo, O.
Mill Remnants Co. ("Mireco"), 249 Front, New York
Pioneer Mfg. Co. ("Shino"), 3053H E. 87th, Cleveland, O.
Ritzenthaler John ("Ritz" & "Velchamee"), 73H Franklin, New York
Saponol Chemical Co. ("Ol-Se-Co"), 1914 Park av, New York
Wood W. A. Co., 373 Atlantic av, Boston Mass.

2768— Cloths (Press)

Chelsea Fibre Mills, 295 5th av, New York
Fulton Bag & Cotton Mills ("Ironsides"), Atlanta, Ga.
Gary James S. & Son, Equitable bldg, Baltimore, Md.
Hettrick Mfg. Co., Toledo, O.
Hooper Wm. E. & Sons Co. (Cotton), 3502 Parkdale av, Baltimore, Md.
Mishler Mfg. Co. (Cotton & Hemp), Smithville, O.
Mt. Vernon-Woodberry Mills Inc. (Cotton), Cont. bldg, Baltimore, Md.
Oriental Textile Mills (Hair & Wool), Houston, Texas
Parker F. T. Co. ("Dynum" Camel & Human Hair), 700 H College, Columbia, S. C.
Perkins J. T. Co., 669 Kent av, Brooklyn, N. Y.
Sheehan D. H. (Cotton & Camel's Hair Dirs.), Westford, Mass.
Southern Press Cloth Mfg. Co. (Human Hair), Augusta, Ga.
Standard Cheese Cloth Co., 74 Long Branch, Boston, Mass.
Sugden Press Bagging Co. (Camel's Hair), West Chelmsford, Mass.
Tallassee Falls Mfg. Co., Tallassee, Ala.
Werthan Bag Co., 12th and Clinton, Nashville, Tenn.
Werk Robert & Co. (Horse & Human Hair), 2519 S. Philip, New Orleans, La.
Willingham Cotton Mills, Macon, Ga.

2768a— Cloths (Strainers)

Johnson, E. P., Rule Mfg. Co., 565 Washington blvd, Chicago, Ill.
Newark Wire Cloth Co., 223 Verona av, Newark, N. J.
Tyler W. S. Co., Cleveland, Ohio
See adv index at end of book

2769— Cloths (Wiping)

See also Wipers (Machine)
American Supply Co. (Wholesale), 1407 Dayton, Chicago, Ill.
BAYLIS SANITARY SUPPLY CO., 340 W Superior, Chicago
See adv index at end of book
Clapp, H. D. B., & Co., 824 N. American, Phila., Pa.
Massasoit Mfg. Co. ("Masco," "Duro"), 136H Pocasset, Fall River, Mass.
Merchants & Mfrs. Supply Co., Chelsea, Mass.
Michigan Sanitary Cloth Co., Kalamazoo, Mich.
Nye Tool & Machine Works ("Nye," Herringbone Ticking & English Moleskin), 108 N Jefferson, Chicago, Ill.
Ritzenthaler John ("Ritz"), 23 Franklin, New York
Saal H. G. Co., 1800 Montrose av, Chicago, Ill.
Sanitary Rag Co. ("White Star" Brand, "Red Star" Brand, Colored &"Chamois" Brand Cheese Cloth), Kalamazoo, Mich.
Starbuck R. M. & Sons, Hartford, Conn.
Wolverine Brass Works, Grand Rapids, Mich.
Woodward-Wanger Co., 1106 Spring Garden, Phila., Pa.

2770— Clubs (Golf)

Burke Golf Co., Newark, O.
Crawford, McGregor & Canby Co., Dayton, O.
Hillerich & Bradsby Co. ("H & B"), 725 S Preston, Louisville, Ky.
Laclede Brass Works ("Doerr Topem Putter"), 307 Cedar, St. Louis, Mo.
McLoughlin, Bundy & Sinsbaugh, 545 S Spring, Los Angeles, Cal.
Spalding A. G. & Bros., 105 Nassau, New York
Wilson Thos. E. & Co., 727 N Sangamon, Chicago, Ill.
Wright & Ditson, 344 Wash'n, Boston, Mass.

2771— Clubs (Wooden)

Bogert & Hopper, Inc. (Policemen's), 57 Barclay, New York
See adv index at end of book
ESTES E. B. & SONS (Police Clubs, Indian Clubs, etc.), 364 5th av, New York
See adv index at end of book
Stiles H. A. & Co. (Indian Clubs), 166-174 Portland, Boston, Mass.
See adv index at end of book

2772— Clusters (Fixture)

(Ceiling or Wall Bracket Fixtures)
See also Electric & Gas Lighting Fixtures
American Brass & Copper Co., 138 Lafayette, New York
Benjamin Electric Mfg. Co. (Wireless Car, Ceiling, Pendant, Weather Proof, etc.), 120 S Sangamon, Chicago, Ill.
Bryant Electric Co. (& Socket), 1421 State, Bridgeport, Conn.
Dale Lighting Fixture Co. ("Weeks"), 107 W 13th, New York
Dayton Mfg. Co., Dayton, O.
Faries Mfg. Co., Decatur, Ill.
Frink I. P. Inc., 239 10th av, New York
Harter Mfg. Co., 524 S Clinton, Chicago, Ill.
Walsh-Owen Mfg. Co., 225 6th av, New York
Waterbury Metal Wares Co. (Electric for Portable Lamps), H Jackson, Waterbury, Conn.
White Jas. H. Mfg. Co., 111 N 3rd, Brooklyn, N. Y.
White O. C. Co., 17 Herman, Worcester, Mass.

2773—Clusters (Wireless Fixture)

Benjamin Electric Mfg. Co., 120 S Sangamon, Chicago, Ill.
Dale Lighting Fixture Co. ("Weeks"), 107 W 13th, New York
Dominion Asbestos & Rubber Corp. ("Dominion"), 1780 B'way, New York
See adv index at end of book
Federal Elec. Co., 8700 S State, Chicago, Ill.

2773a— Clutch Discs

Asbestos Materials Corp., Millington, N. J.
Bossert Corp., cor Linden & West av, Utica, New York
Commercial Shearing & Stamping Co. (Auto, etc.), Youngstown, Ohio
Curtis Clutch Disc. Co. ("Curtis" Steel), 1502 Kienlen av, St. Louis, Mo.
General Asbestos & Rubber Co., Charleston, S. C.
Kales Stamping Co., 1680 Lafayette blvd, Detroit, Mich.
See adv index at end of book
Pettis W. W. Co., 416-417 First Nat Bank bldg, Cincinnati, O.
Thermoid Rubber Co., Trenton, N. J.
Wood's T. B. Sons Co., Chambersburg, Pa.

2773b— Clutch Facings

American Asbestos Co. ("TesTbesTos"), Norristown, Pa.
American Brake-Lining Co. ("ABC"), Lansdale, Pa.
Asbestos Materials Corp., Millington, N. J.
Chicago Rawhide Mfg. Co. (The), 1307 Elston av, Chicago
See adv index at end of book
Cork Insert Co., 164 Federal, Boston, Mass.
Detroit Oak Belting Co, (Automobile Leather), 3362H Wight, Detroit, Mich.
General Asbestos & Rubber Co. ("Garco"), Charleston, S. C.
Hide Leather & Belt Mfg. Co. ("Leathertex"), 227 S Meridian, Indianapolis, Ind.
Horton F. L. Corp. ("Elektra"), 36 Whittier, Roxbury, Boston, Mass.
Kelso Mfg. Co., Trenton, N. J.
Multibestos Co. ("Multibestos"), Walpole, Mass.
Raybestos Co. ("Raybestos" Molded), Bridgeport, Conn.
Russell Mfg. Co. ("Rusco" Disc & Cone), Dept. H, Middletown, Conn.
Smith E. M. Co. ("Emsco"), 612-40 S Clarence, Los Angeles, Cal.
Thermoid Rubber Co., Trenotn, N. J.
U. S. Asbestos Co. ("Motobestos" Discs), 45 N Duke, Lancaster, Pa.
Zeigler Mfg. Co., Alexandria, Ind.

2774— Clutches (Arc Lamp)

Phila. Electrical & Mfg. Co. ("Perfect"), 1236 N 31st, Phila., Pa.
Western Electric Co., 500 S Clinton, Chicago, Ill., & 463 West, New York

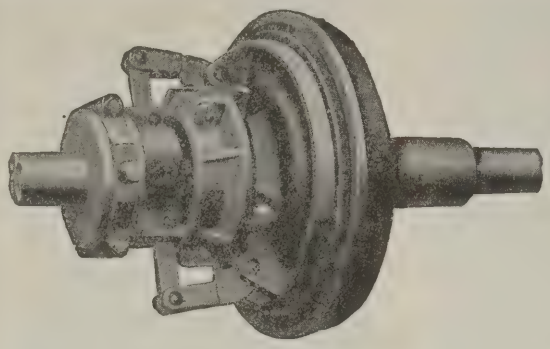
2775— Clutches (Automobile)

Brown Lipe Gear Co., Inc., 11174 W Fayette, Syracuse, N. Y.
Fuller & Sons Mfg. Co., Kalamazoo, Mich.
Hartford Automotive Parts Co. (Cone), Dept. H, Russ & Lawrence, Hartford, Conn.
Hilliard Clutch & Machinery Co. ("Hilliard," Multiple Disk Dry Friction), Elmira, N. Y.
Hoosier Clutch Co., Muncie, Ind.
Konigslow Otto Mfg. Co. (Cone), 3506 Perkins av, Cleveland, O.
Mechanics Machine Co., Rockford, Ill.
Merchant & Evans Co. ("M. & E." Dry Disc & "Hele-Shaw"), Washington av & 21st, Phila., Pa.
Muncie Gear Wks., Muncie, Ind.
Reed Foundry & Machine Co. (Multiple Disc & Cone), Kalamazoo, Mich.
Universal Machinery Co., 784 30th, Milwaukee, Wis.
Warner Gear Co. (Multiple & Single Disc), Muncie, Ind.

2775a— Clutches (Countershaft)

Bond Foundry & Machine Co., Penn. Manheim, Pa.
Chicago Pulley & Shafting Co., 29 N Desplaines, Chicago, Ill.
Conway Clutch Co., 1960 W 6th, Cincinnati, O.
Hanson Clutch & Machy. Co., Tiffin, O.
Hoosier Clutch Co., Muncie, Ind.
Johnson Carlyle Machine Co., Manchester, Conn.
Jones W. A. Foundry & Machine Co., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book
LINK-BELT CO., 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
McMahon & Co., Water, cor. Ledge, Worcester, Mass.

(Continued on following page)



Lemley Friction Clutch, Extended Sleeve Type. Carried in stock at factory and branch warehouses; also by mill supply dealers in important centers.

CAST-IRON PULLEYS
SHAFT HANGERS
BOXES, COUPLINGS
FRICTION CLUTCHES
CUT GEARS
CAST GEARS
SPROCKET WHEELS
ROPE SHEAVES
FLYWHEELS
ENCLOSED
WORM GEAR DRIVES
SPUR GEAR
SPEED REDUCERS

Jones

The Lemley Friction Clutch

W. A. Jones Foundry & Machine Co.

Main Office and Works:
4442 West Roosevelt Road, CHICAGO

Branch Sales and Engineering Offices:
NEW YORK.....26 Murray St.
MILWAUKEE.....425 East Water St.
PITTSBURGH.....Union Trust Bldg.
BUFFALO.....45 Pearl St.
CLEVELAND.....226 Superior Ave., N. W.
DETROIT.....137 East Woodbridge St.

Clutches (Countershaft)—Continued

Marion Machine Foundry & Supply Co., Marion, Ind.
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
WESTERN ENGINEERING & MFG. CO. ("Cleveland.") (The "Cleveland" takes hold gradually, releases instantly, is self oiling, fully enclosed and not affected by dust or moisture.) 2604 Irving Park blvd, Chicago, Ill. *See adv index at end of book*
Westlund C. G. Co. ("Star Safety," "Westlund Split"), 498 Millbury, Worcester, Mass.
Wood's T. B. Sons Co., Chambersburg, Pa.

2776— Clutches (Electric)

Brown-Lipe Gear Co. (Multiple Discs), Syracuse, N. Y.
Cutler-Hammer Mfg. Co., 12th & St. Paul av, Milwaukee, Wis. *See adv index at end of book*

2777— Clutches (Friction)

See also Pulleys, Friction Clutch; also Machinery, Power Transmitting
Allis-Chalmers Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
American Tool & Machine Co. ("Hub" & "Worrall"), 10 High, Boston, Mass.
Atlas Ball Co., 4th and Glenwood av, Phila., Pa.
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Bauroth Bros, Springfield, O.
Beloit Iron Works ("Bulldog"), Beloit, Wis.
Birmingham Iron Foundry, Derby, Conn.
Bond Foundry & Machine Co., Penn, Manheim, Pa.
Brown A. & F. Co., 79 Barclay, New York.
Brown Clutch Co., Sandusky, O.
BROWN ENGINEERING CO., 110 N. 3rd, Reading, Pa.
CALDWELL & SON CO., H. W., 1700 S. Western av, Chicago, Ill.
Carruthers & Fithian Clutch Co., Grove City, Pa.
Cedar Rapids Foundry & Mach. Co., Cedar Rapids, Ia.
Chain Belt Co., 746 Park, Milwaukee, Wis. *See adv index at end of book*
Chicago Pulley & Shafting Co., 29 N Desplaines, Chicago, Ill.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Conway Clutch Co. ("Conway"), 1960 W 6th, Cincinnati, O.
Cresson-Morris Co., Allegheny & 18th, Phila., Pa.
Decatur Foundry Furnace & Machine Co., Decatur, Ind.
Dodge Mfg. Corp., Mishawaka, Ind.
Eastern Machinery Co. ("Frisbie"), New Haven, Conn.
Edgemont Machine Co. ("Edgemont"), Dayton, O.
Essmueller Mill Furnishing Co. ("Peerless"), 1222 S 8th, St. Louis, Mo.
Fairbanks, Morse & Co. ("Eclipse"), 900 S Wabash av, Chicago, Ill.
Falls Clutch & Machinery Co. ("Falls"), Cuyahoga Falls, O.
FARREL FOUNDRY & MACHINE CO. (Coil), 30 Main, Ansonia, Conn. *See adv index at end of book*
Filer & Stowell Co., Milwaukee, Wis.
Fletcher Works, Glenwood av & 2nd, Phila., Pa.
Frost Mfg. Co. ("Frost"), Galesburg, Ill.
Gump B. F. Co., 431 S. Clinton, Chicago
Hanson Clutch & Machy. Co. (Also Appliances), Tiffin, Ohio
Hess-Snyder Co., Massillon, Ohio
HILL CLUTCH MACHINE & FOUNDRY CO. ("Smith" Type, "Hill"), W. 65th, Cleveland, O.
Hilliard Clutch & Machinery Co. ("Hilliard" Friction Clutch & Cut-Off Couplings), Elmira, N. Y.
Holyoke Machine Co. ("Lombard"), Worcester, Mass.
Hoosier Clutch Co., Muncie, Ind.
Hunt Rodney Machine Co., Orange, Mass.
Hunter Jas. Machine Co., N. Adams, Mass.
Johnson Carlyle Machine Co., "Johnson"), Manchester, Conn.
JONES W. A. FOUNDRY & MACHINE CO. ("Lemley"), 4442 W Roosevelt rd, Chicago, Ill. *See adv index at end of book*
Lane G. W. & C. A., Exeter, N. H.
Lauson-Lawton Co., De Pere, Wis.
LINK-BELT COMPANY ("Caldwell," "Disk" & "Twyncone"), 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
McMAHON & CO. ("McMahon"), Water cor Ledge, Worchester, Mass.

McMAHON AND CO.
WORCESTER, MASS.
Manufacturers of
McMahon Patent Friction Pulleys, Friction Cut-off Couplings, and Friction Clutches
for all purposes.
WE SELL OUR CLUTCHES subject to the approval of the buyer and guarantee them to give entire satisfaction.

Marion Machine Foundry & Supply Co., Marion, Ind.
MEDART COMPANY, THE, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Miller Foundry & Specialty Co., No Tonawanda, N. Y.
Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.
Minster Machine Co., Minster, O.
Moore-Master Mfg. Co., 3445 N Westerman, Chicago, Ill.
Moore & White Co., N 15th & Lehigh av, Phila., Pa.
O. K. Clutch & Machinery Co. ("O. K."), Hendricks, Columbia, Pa.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Passman Bros., 30 S Green, Chicago, Ill.
Plamondon A. Mfg. Co., 5315 S Western blvd, Chicago, Ill.
Poole Engineering & Machine Co., Woodberry Sta., Baltimore, Md.
Production Machinery Co. ("Bierney"), Greenfield, Mass.
Pusey & Jones Co., Wilmington, Del
Pyott Co. ("Pyott-Miller" Steel Plate), 1401 W North av., Chicago, Ill.
PYOTT FOUNDRY CO., 330 N Sangamon st, Chicago, Ill. *See adv index at end of book*
Reeves Pulley Co. ("Reeves"), Dept. H, Columbus, Ind.
Reliance Gauge Column Co. ("Cleveland"), Cleveland, Ohio
Robinson H. Mfg. Co., Muncy, Pa.
Schultz A. L. & Son ("Schultz"), 1675 Elston av, Chicago, Ill.
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
Snow & Petrelli Mfg. Co. ("Joe's"), 152 B'way, New Haven, Conn.
Sprout, Waldron & Co., Muncy, Pa. *See adv index at end of book*
Standard Pulley Co., 1738 Power, Cincinnati, Ohio.
Strait H. N. Mfg. Co., Kansas City, Kan.
Stephens-Adamson Mfg. Co. ("S. A." Steel Plate), Aurora, Ill.
Sunderland Machinery & Supply Co., Omaha, Nebr.
Transmission Ball Bearing Co., 1056 Military rd, Buffalo, N. Y.
United Iron Works Co. (Patented), Kansas City, Mo.
Universal Machinery Co., 784 30th, Milwaukee, Wis.
Milwaukee Shaper Co., 1144 Kolton, Milwaukee, Wis.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Weller Mfg. Co. (And Jaw), 1856 N Kostner av, Chicago, Ill.
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, O.
WESTERN ENGINEERING & MFG. CO. ("Cleveland.") (The "Cleveland" is simple in design and construction—is fully enclosed, self-oiling, and adaptable to all types of transmission service—Clutches and cut-off couplings in sizes ranging from ¾ H. P. to 270 H. P.—all parts interchangeable—a strictly high grade product.) 2604 Irving Park blvd, Chicago, Ill. *See adv index at end of book*
Westlund C. G. Co. ("Star" Safety, "Westlund Split"), 498 Millbury, Worcester, Mass.
Williams Foundry & Machine Co. (The), Akron, O. *See adv index at end of book*

"Akron" Friction Clutches and Couplings are used universally on power transmission appliances. Write for Clutch catalog, giving sizes and complete specifications.
THE WILLIAMS FOUNDRY & MACHINE CO.,
Akron, Ohio, U. S. A.

Wolf Co., Chambersburg, Pa.
Wood's T. B. Sons Co. ("Universal Giant"), Chambersburg, Pa.

2778—Clutches (Friction, Heavy Mill)

Allis-Chalmers Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
Bond Foundry & Machine Co., Penn, Manheim, Pa.
CALDWELL & SON CO., H. W., 1700 S. Western av, Chicago, Ill.
Conway Clutch Co., 1960 W 6th, Cincinnati, O.
Hanson Clutch & Machy. Co., Tiffin, O.
Hoosier Clutch Co., Muncie, Ind.
Imperial Iron Works (Air Clutch), 2051 Imperial, Los Angeles, Cal.
Johnson Carlyle Machine Co. ("Johnson"), Manchester, Conn.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
McMAHON & CO. ("McMAHON"), Water cor. Ledge, Worcester, Mass.
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
O. K. Clutch & Machinery Co., Hendricks, Columbia, Pa.
WESTERN ENGINEERING & MFG. CO. ("Cleveland.") (Made in sizes up to 270 H. P. at 100 R. P. M.) 2604 Irving Park blvd, Chicago, Ill. *See adv index at end of book*
Wood's T. B. Sons Co., Chambersburg, Pa.

2778a—Clutches (Friction Pulley)

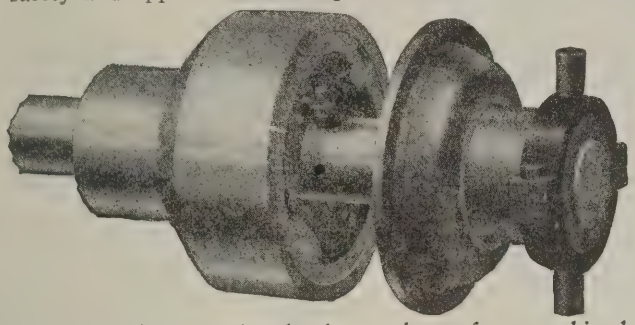
JONES W. A. FOUNDRY & MACHINE CO., 4442 W. Roosevelt rd, Chicago *See adv index at end of book*

2779—Clutches (Gas Engine)

Brown Clutch Co. ("Brown"), Sandusky, O.
Butler Engine & Foundry Co., Butler, Pa.
Carruthers & Fithian Clutch Co., Grove City, Pa.

The Cleveland Clutch

A powerful, simple and dependable clutch, unaffected by dust or moisture, giving long service under all conditions where a clutch is adaptable. It is particularly adapted for use in all types of special machines where safety and appearance are important factors



Construction: This clutch consists of a combined clutch casing and sleeve which rides free upon the shaft and upon which the pulley, gear, sheave or similar member is fixed. Within the casing is an expanding ring making frictional contact with the inner peripheral surface of the casing. Located within the ring is the mechanism for expanding the ring, consisting of two floating fingers and floating pins, and a driving member keyed to the shaft. Other parts consist of a casing cover and a hardened cone shaped sleeve fitting loosely on the shaft and projecting through the cover so that contact can be made between it and the fingers by means of a shifter yoke, handwheel or other suitable means.

The cut-off coupling is similar except that the casing is keyed to one shaft and the driving member to the other.

Operation: The insertion of the cone actuates the floating fingers, thereby expanding the ring until the inner periphery of the casing and the outer surface of the ring are in complete contact. Opposite the finger opening is the driving arm actuating the ring by means of a floating key whose beveled sides cause a wedging action to occur under torque. This, combined with the spreading action of the fingers between the ends of the ring insures a complete contact over the entire friction surface.

Advantages: (1) Detachable pulley type. (2) Takes hold gradually, oil film cushion, releases instantly and positively. (3) Sleeve lubricated from oil in casing. (4) No exposed parts, no small or delicate parts. (5) Easily adjusted. (6) Safety to employees. (7) Not affected by dust or moisture. (8) The greater the torque, the tighter the clutch holds.

SERVICE: We are always pleased to assist your engineering department in the selection of the correct clutch. To aid us, when making an inquiry, give size of shaft, horsepower required (the maximum load transmitted through clutch), kind of service, r.p.m., kind of power and any other information which would affect operations of clutch.

Write for Bulletin No. 100

WESTERN ENGINEERING & MFG. CO.,
2604 IRVING PARK BOULEVARD
CHICAGO, ILL.

Conway Clutch Co., 1960 W 6th, Cincinnati, O.
Fairbanks, Morse & Co. ("Eclipse"), 900 S Wabash av, Chicago, Ill.
Hanson Clutch & Machy. Co., Tiffin, O.
Havana Mfg. Co., Havana, Ill.
Hill Clutch Co., W 65th, Cleveland, O.
Hilliard Clutch & Machy Co., Elmira, N. Y.
Imperial Iron Works (Air Clutch), 2C51 Imperial, Los Angeles, Cal.
Johnson Carlyle Machine Co. ("Johnson"), Manchester, Conn.
Jones W. A. Foundry & Machine Co. ("Lemley"), 4442 W Roosevelt rd, Chicago, Ill. *See adv index at end of book*
Lauson-Lawton Co., De Pere, Wis.
McMahon & Co., Water, cor. Ledge, Worcester, Mass.
Marion Machine Foundry & Supply Co., Marion, Ind.
Minster Machine ("Herken" Friction), Minster, O.
O. K. Clutch & Machy. Co. ("O K" Friction), Hendricks, Columbia, Pa.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
West Coast Gas Engine Co. (Reverse for Oil Field Service), San Diego, Cal.
WESTERN ENGINEERING & MFG. CO. ("Cleveland"), 2604 Irving Park blvd, Chicago, Ill. *See adv index at end of book*

2779a— Clutches (Jaw)

JONES W. A. FOUNDRY & MACHINE CO., 4442 W Roosevelt rd, Chicago *See adv index at end of book*

2780— Clutches (Magnetic)

Cutler-Hammer Mfg. Co., 12th & St. Paul av, Milwaukee, Wis. *See adv index at end of book*
MAGNETIC MFG. CO., 279 23rd av, Milwaukee, Wis. *See adv index at end of book*
Sperry Gyroscope Co. ("Sperry"), 40 Flatbush av, Brooklyn, N. Y.

2781—Clutches (Motor Cycle)

Eclipse Machine Co., 18th, Elmira, N. Y.
Universal Machinery Co., 784 30th, Milwaukee, Wis.

2782-3— Clutches (Rail)

Handlan-Buck Mfg. Co. ("McPartland"), 210 14 N 3rd, St. Louis, Mo.

Coach Wheel Lathes

See Lathes, Car & Driving Wheel

2783a—Coagulant (Concentrated)

Kalbfleisch Corp., 200 5th av, New York

2783b—*Coal Breaker Buildings

BETHLEHEM FABRICATORS, INC., Bethlehem, Pa. *See adv index at end of book*

Coal Breakers

See Crushers, Coal & Coke

Coal Cutters

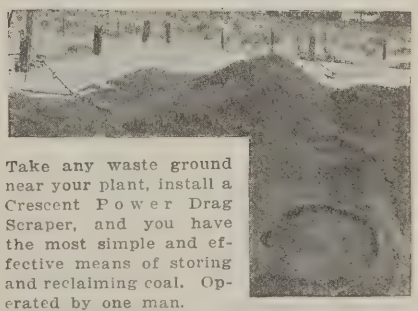
See Coal Cuttting Machines

Coal Dock Outfits

See Conveyors, Coal; also Buckets; also etc.

2784—Coal Handling & Storage Plant Construction

See also Machinery, Coal & Ore Handling; also Conveyors, Coal & Ash Handling
Amos Chas. & Co. Inc., 3000 Hart av, Detroit, Mich.
Brown Hoisting Machinery Co., 4403 St. Clair, N. E., Cleveland, O. *See adv index at end of book*
Fairbanks, Morse & Co. (Designers & Builders), 900 S Wabash av, Chicago, Ill.
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Gas Machinery Co., 1900 Euclid av, Cleveland, O.
Guarantee Construction Co. (For Power Plants), 92 West, New York
Haiss Geo. Mfg. Co., 369 Rider av, New York
HAYWARD CO., 50 Church, New York *See adv index at end of book*
HUNT O. W. CO., West New Brighton, N. Y. *See adv index at end of book*
Jeffrey Mfg. Co., 961 N Fourth, Columbus, Ohio *See adv index at end of book*
Lakeside Bridge & Steel Co., North Milwaukee, Wis.
LINK-BELT COMPANY (Complete Plants), 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Macdonald Engineering Co., 53 W Jackson blvd, Chicago, Ill.
Maine Electric Co., Portland, Me.
Marion Machine Foundry & Supply Co., Marion, Ind.
Mead-Morrison Mfg. Co., Cor. Prescott & Orleans, East Boston, Mass.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa. *See adv index at end of book*
Roberts & Schaefer Co. (Engineers' & Contractors' Coal Washeries, Tipples, Coal Dock Builders, Screening Equipment, Power Houses, Bins & Coaling Stations), 1110 Wrigley bldg, Chicago, Ill.
Sauerman Bros., 458 S Clinton, Chicago, Ill. *See adv index at end of book*



Take any waste ground near your plant, install a Crescent Power Drag Scraper, and you have the most simple and effective means of storing and reclaiming coal. Operated by one man. Simple, inexpensive and trouble-proof.

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Chicago, Ill.

CRESCENT POWER DRAG SCRAPER
handles large tonnage of coal at very low cost.

Schaffer Poidometer Co., Formerly Schaffer Engineering & Equipment, 2828 Smallman, Pittsburgh, Pa. *See adv index at end of book*
WEBSTER MFG. CO., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Wellman-Seaver-Morgan Co., E. 70th & Central av, Cleveland, O.

Steam, Domestic, Gas, Malleable, By-Product, Metallurgical and Smithing Coals

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Miners and Shippers

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"Efficient Coals and Service"

2784a— Coal Mines

Marked thus: * Anthracite; † Bituminous

ALABAMA.

BIRMINGHAM—Pratt Consolidated Coal Co.

COLORADO.

DENVER—Colorado Fuel & Iron Co., Boston bldg
Moffat Coal Co., Gas & Electric bldg
Rocky Mountain Fuel Co., Foster bldg
Union Coal Co., Colorado bldg

ILLINOIS.

ASSUMPTION—Pana Coal Co.
BENTON—Franklin County Mining Co.
BOONVILLE — Sunlight Coal Co., H. Fletcher Bk. bldg
CATLIN—Taylor-English Coal Co.
CENTRALIA—Marion County Coal Co.
CHICAGO—Big Creek Coal Co., 122 S Michigan av
Black Star Coal Co., 76 W Monroe
Centralia Coal Co., 343 S Dearborn
Chicago Sandoval Coal Co., McCormick bldg
Chicago, Wilmington & Franklin Coal Co., McCormick bldg
Columbus Mining Co., 332 S Michigan av
Dering J. K. Coal Co., 332 S Michigan av
Essanbee Mine Co., 808 Dearborn
Grant Coal Mining Co., 38H So Dearborn
Groveland Coal Mining Co., McCormick bldg
Indiana & Illinois Coal Corp., 10 S La Salle
Johnson City Coal Co., Conway bldg
Madison Coal Corp., 910 S Michigan blvd
Nokomis Coal Co., Old Colony bldg
O'Gara Coal Co., McCormick bldg
Old Ben Coal Corp., McCormick bldg
Peabody Coal Co., 332 S Michigan av
Peerless Coal Co., McCormick bldg
Pike County Coal Co., McCormick bldg
Rend W. P. Coal & Coke Co., McCormick bldg
Republic Coal Co., 28 E Jackson blvd
Ridge Coal Mining Co., 37 W Van Buren
St. Paul Coal Co., Railway Exch. bldg
Searls Coal Co., Rookery bldg
Security Coal & Mining Co. of Mo., Fisher bldg
Sheal Creek Coal Co., McCormick bldg
Southern Gem Coal Corp., Old Colony bldg
†Tapper W. R. & Co., Fisher bldg
Taylor Coal Co., 232 S Clark
Wisconsin Steel Co., 606 Michigan av
GILLESPIE—Superior Coal Co.
HARRISBURG—Wasson Coal Co.
HERRIN—Freeman Coal Mining Co.
HILLSBORO—Hillsboro Coal Co.
JOHNSON CITY—Ernest Coal Co.
LA SALLE—La Salle County Carbon Coal Co.
MONMOUTH—Silver Creek Colliery Co.
O'FALLON—Mutual Coal & Mining Co.
PEORIA—Clark Coal & Coke Co.
ROCK ISLAND—Spoon River Colliery Co.
ROYALTON—Franklin Coal & Coke Co.
SPRINGFIELD—Citizens Coal Mining Co.
Chicago-Springfield Coal Co.
Paradise Coal Co.
Sangamos Coal Co.
Union Fuel Co.
West End Coal Co.
STAUNTON—Mt. Olive & Staunton Coal Co.
WEST FRANKFORT—West Frankfort Coal Co.
WHITE ASH—Johnson City Washer Coal Co.

INDIANA.

BRAZIL—American Coal Mining Co.
CLINTON—Clinton Coal Co.
EVANSVILLE—Wooley J. Coal Co.
HYMERA—Steele-Kattman Coal Co.
INDIANAPOLIS—Ayrdale Coal Co., 601 Trac. Term.
†**DUDLEY B. C. COAL CO.,** 1808 Merchants Bank bldg.
See adv index at end of book
TERRE HAUTE—Big Vein Mining Co.
Fort Harrison Mining Co.
Lower Vein Coal Co.
Oliphant-Johnson Coal Co.
Pickett & Shirkle Coal Co.
Rowlands Power Consolidated Collieries Co.
Sanford Mining Co.
Tecumseh Coal & Mining Co.
Vigo Mining Co.
Western Indiana Mining Co.
Zimmerman Coal Co.

IOWA.

DES MOINES—Central Iowa Fuel Co.
BUXTON—Consolidated Coal Co.

KANSAS.

COLUMBUS—Spencer Newlands Coal Co.
PITTSBURG—Carbon Coal Co.

KENTUCKY.

ARTEMUS—Wheeler Coal Co.
COXTON—Lich Branch Coal Co.
EARLINGTON—St. Bernard Mining Co.
GREENVILLE—Duncan W. G. Coal Co.
HENDERSON—Mid-West Fuel Co.
PADUCAH—Riker C. M. Coal Co.
PINEVILLE—Boone Trail Coal Co.
PRESTONBURG—Middle Creek Coal Co.
STEARNS—Stearns Coal & Lumber Co.
STONE—Pond Creek Coal Co.
STURGIS—West Kentucky Coal Co.
WHITE STAR—White Star Coal Co.

MARYLAND.

BALTIMORE—Consolidated Coal Co., Continental bldg
CUMBERLAND—George's Creek Coal Co.
Davis Coal & Coke Co., Continental bldg

MASSACHUSETTS.

BOSTON—New England Fuel & Transportation Co., 111 Devonshire

MICHIGAN.

BAY CITY—Gage Robt. Coal Co.
DETROIT—Ford Collieries Co., Ford bldg
Superior Colliery Co., Hamm. bldg
LUDINGTON—Stearns Coal & Lumber Co.

MISSOURI.

KANSAS CITY—Central Coal & Coke Co.
Crowe J. R. Coal & Mining Co., Dwight bldg
Jackson-Walker Coal & Mining Co., Commerce bldg
ST. LOUIS—Consolidated Coal Co. of St. Louis, 1155 Ry. Exch.
Donk Bros. Coal & Coke Co., 314 N 4th
Kerens-Donnewald Coal Co., 12th & Lucas av
New Staunton Coal Co., Security bldg
Perry County Coal Corp., Boatmen's Bk. bldg
Pocahontas Mining Co., Boston Bk. bldg
Southern Coal & Coke & Mining Co., Security bldg
Western Coal & Mining Co., Railway Exch. bldg
Willis Coal & Mining Co., Fullerton bldg

MONTANA.

ANACONDA—Anaconda Copper Mining Co.
BUTTE—Diamond Coal & Coke Co.
WASHOE—Montana Coal & Iron Co.

NEBRASKA.

OMAHA—Megeata Coal Co.
Roundup Coal Mining Co.
Sheridan Coal Co.

NEW MEXICO.

ALBUQUERQUE—Diamond Coal Co.
RATON—St. Louis, Rocky Mt. & Pacific Co.

NEW YORK.

BUFFALO—†Cascade Coal & Coke Co., Erie Co. Bk. bldg
LACKAWANNA—†Ellsworth Collieries Co.
†Lackawanna Coal & Coke Co.
NEW YORK CITY— American Coal Co. of Allegheny Co., 1 Broadway
†Brothers Valley Coal Co., 90 West
Chesapeake & Ohio Railway Co. (Fuel Mine Operations), 299 Broadway
*Del., Lackawanna & Western R. R., 90 West
Elk Horn Coal Corp., Bankers Tr. bldg
Maryland Coal Co. of W. Va., 1 Broadway
New River Collieries Co., 120 B'way
†Penna. Coal & Coke Corp., Whitehall bldg
†Rainey W. J., 52 Vanderbilt av
Texas & Pacific Coal Co., 24 B'way
†Vintor Colliery Co., 50 E 42nd
SYRACUSE—Edgewater Coal Co.

NORTH DAKOTA

GLEN ULLIN—Spring Valley Products Co. (Lignite)

OHIO

ADENA—Wheeling Township Coal Mining Co.
AKRON—Akron Coal Co.
ATHENS—Boston Consolidated Coal Co.
BELLAIRE—Morgan A. J. Coal Co.
CAMBRIDGE—Forsythe Coal Co.
CLEVELAND—Barton Coal Co., Rockefeller bldg
Cambridge Collieries Co., Rockefeller bldg
Clarkson Coal Mining Co., Rockefeller bldg
Cleveland-Belmont Coal Co., Hickox bldg
Cleveland Cliffs Iron Co., Rockefeller bldg
Fairview Coal Co., Rockefeller bldg
Kanawha & Hockoning Coal & Coke Co., Union Nat'l Bk. bldg
Morris Coal Corp., Citizens bldg
National Coal Co., Rockefeller bldg
Ohio & Penna. Coal Co., Williamson bldg
Rail & River Coal Co., Rockefeller bldg
Sauters Coal Co., Leader News bldg
Sterling Coal Co., Ltd., Leader News bldg
U. S. Coal Co., Citizens bldg
†Valley Camp Coal Co., Rockefeller bldg
Warner Collieries Co., Union Nat'l Bk. bldg
†Youghiogheny & Ohio Coal Co., Leader Bldg
COLUMBUS—Great Lakes Co. Mining Co., Spahr bldg
Lorain Coal & Dock Co., Huntington Bk. bldg
Pittsburgh Coal Co., Spahr bldg
Sunday Creek Coal Co., Outlook bldg
MASSILLON—Goshen Central Coal Co.
POMEROY—Peacock Coal Co.
TOLEDO—Cambria Collieries Co.
YOUNGSTOWN—Republic Iron & Steel Co.
ZANESVILLE—Zanesville Coal Co.

OKLAHOMA.

LEHIGH—Folsom Morris Coal Mining Co.
McALESTER—Backbone Coal Co.
Greenwood Coal Co.
Osage Coal & Mining Co.

PENNSYLVANIA.

BEAVERDALE—†Logan Coal Co., Dept. H. See Phila.
BETHLEHEM—†Penna.-Mary. Coal Co.
BENTLEYVILLE—†Union Coal & Coke Co.

BLAIRSVILLE—†Kiskimentas Coal Co.
BRIER HILL—†Brier Hill Coke Co.
CLYMER—†Russell Coal Mining Co.
CONNELLSVILLE—Jackson Coal Co.
DAWSON—†Washington Coal & Coke Co.
DUNLO—†Logan Coal Co., Dept. H. See Phila.
DU BOIS—†Buffalo & Susquehanna Coal & Coke Co.
EAST BRADY—†Keystone Mining Co.
ERIE—†Pittsburgh & Erie Coal Co.
FRACKVILLE — Colonial Colliery Co., Dept. H.
GREENSBURG—Amend Coal Co.
Argyle Coal Co.
Avella Coal Co.
Claridge Coal Co.
†Greensburg Coal Co.
Hempfield Coal Co.
†Inland Coal Co.
†Irwin Gas Coal Co.
†Jamison Coal & Coke Co.
Keystone Coal & Coke Co.
†Latrobe-Connellsville Coal & Coke Co.
Marion Gas Coal Co.
Mountain Coal Co.
Mount Pleasant By-Products Coal Co.
†Mt. Pleasant-Connellsville Coke Co.
Oakville Coal & Coke Co.
Penn Carbon Coal Co.
Pryor Coal Co.
INDIANA—†Coal Run Mining Co.
JEDDO—*Markle G. B. Co.
LATROBE—Irwin Fuel Co.
LATTIMERS MINES—*Pardee Bros. & Co., Inc.
LEECHBURG—†Saltsburg Coal Mining Co.
LIGENIER—†Seger Bros.
NEW BETHLEHEM—†Pine Run Coal Co.
MAUCH CHUNK—*Alden Coal Co.
†Beaver Run Coal Co.
MINERSVILLE—†Sonman Shaft Coal Co.
PHILADELPHIA—†Barnes & Tucker Co., Harrison bldg
†Cambria Steel Co., Widener bldg
†Cameron Coal Co., Franklin Trust bldg
†Cortright Coal Co., Pa. bldg.
*Cranberry Creek Coal Co., 437 Chestnut
Crozer Coal & Coke Co., No. American bldg
Emmons Coal Mining Co. of W. Va., Land Title bldg
*Haryd Coal Co., Land Title bldg
*Harleigh-Bookwood Coal Co., N. A. bldg
Iron Trade Products Co., Farmers Bank bldg
Lehigh Coal & Navigation Co., 437H Chestnut.
*†Lineaweaver H. H. & Co., Inc., 215 S. Broad
†Logan Coal Co., Harrison bldg
†McIntyre J. M. & Co., Comm. Tr. bldg
†Madeira Hill Coal Mining Co., N. Amer. bldg
Maryland Coal Co. of Penna., Comm. Tr. bldg
*Midvalley Coal Co., Land Title bldg
New River & Pocahontas Consolidated Coal Co.
North East Coal Co., Commercial Tr. bldg
†Rockhill Coal & Iron Co., Boyd & Spruce
†Shoemaker Coal Mining Co., Real Estate bldg
†Westmoreland Coal Co., 224 S 3rd
†Wittman N. B. & Co., Commercial Trust bldg
PITTSBURGH—†Argentine Coal Co., Oliver bldg
†Arrow Coal Co., Oliver bldg
†Bertha Coal Co., Chamber of Commerce bldg
†Carnegie Coal Co., Oliver bldg
†Chartiers Creek Coal Co., Park bldg
*Colonial Colliery Co., N. A. bldg
†Consolidated Coke Co., Oliver bldg
*Consumers Fuel Co., Chamber of Comm. bldg
†Clyde Coal Co., Bessemer bldg
†Crucible Fuel Co., Empire bldg
†Equitable Coke Co., Oliver bldg
†Fayette Coal Corp., 1st Nat'l Bk. bldg
†Greenburgh-Connellsville Coal & Coke Co., 1st Nat'l Bk. bldg
Hamilton, A. R., Co., 2010 Commonwealth bldg.
Harmon Creek Coal Co., Oliver bldg
†Hecla Coal & Coke Co., Oliver bldg
HILLMAN COAL & COKE CO. (High & Low Volatile By-Product Coal, Smokeless & Bunkering Coal, Illuminating & Producer Gas Coal, Powdered & Pulverized Coal, Brick & Pottery Coal, Steam Coal; Have Facilities for River Shipment of Coal Along the Monongahela, Allegheny & Ohio Rivers), 2206 First National Bank bldg
IRON TRADE PRODUCTS CO., Farmers' Bank bldg
†Kittanning Iron & Steel Co.
†Meadow Lands Coal Co., 1st Nat'l Bk. bldg
†Short Creek Coal Co., 1st Nat'l Bk. bldg
†Stevens Coal Co., 246 3d av
†Pitts. Terminal Railroad & Coal Co., Wabash bldg
†Pitts. Coal Co., Oliver bldg
U. S. Coal & Coke Co., Carnegie bldg
†Verner Coal & Coke Co., Oliver bldg
†Vesta Coal Co., Jone & Laughlin bldg
WIEMAN & WARD CO. (and Merchants), 555 Union Trust bldg
Windsor Coal Co., Bendum-Trees bldg
POTTSVILLE—Peerless Coal & Coke Co.
PUNXSUTAWNEY—†Brush Creek Coal Mining Co.
†Cowanshannock Coal & Coke Co.
†Jefferson & Clearfield Coal & Iron Co.
†Pitts. Gas Coal Co.
†Rochester & Pitts. Coal & Iron Co.
†Summit Coal Mining Co.
ROSEBUD—†Irvona Coal & Coke Co.
RUSSELLTON—†Superior Fuel Co.
RUTHERFORD—†Logan Coal Co., Dept. H. See Phila.
ST. BENEDICT—†Carrolltown Coal Co.
ST. MARYS—*Lawsonham Coal Co.
SCOTTSDALE—†Lincoln Coal & Coke Co.
SCRANTON—*Hudson Coal Co.
*Jermyn & Co.
†Northwestern Mining & Exchange Co.
*Penna. Coal Co.
*Price, Pancoast Coal Co.
*Scranton Coal Co.
*Temple Coal Co.
*West End Coal Co.
SNOW SHOE—†Kelly Bros. Coal Co.
SOMERSET—†Quemahoning Coal Co.
UNIONTOWN—†Buchannon River Coal Co.
†Reilly-Callaghan Coal & Coke Co.
†Taylor Coal & Coke Co.
†Whyel Coke Co.
WASHINGTON—†McClare Mining Co.
WILKES-BARRE—*Lehigh & Wilkes-Barre Coal Co.
†Morris Run Coal Mining Co.
*Susquehanna Collieries Co.
WINDBER—†Reitz Coal Co.

TENNESSEE.

CHATTANOOGA—Durham Coal & Iron Co., Soddy
FAIRFAX—Johnson Fuel Co.
LA FOLLETTE—La Follette Coal & Iron Co.
MEMPHIS—Galloway Coal Co.
MONTEREY—Brier-Hill Collieries Co.
TRACY CITY—Tenn. Consolidated Coal Co.

UTAH.

SALT LAKE CITY—Independent Coal & Coke Co.
Utah Fuel Co.

VIRGINIA.

BIG STONE GAP—Stonega Coal & Coke Co.
BLACKWOOD—Blackwood Coal & Coke Co.
DOROTHY—Chesapeake & Ohio Railway Co. (Fuel Mine Operations), Dept. H
LYNCHBURG — Chesapeake & Virginian Coal Co., Inc., 710H Peoples National Bank bldg
Premier Pocahontas Collieries Co.
POCAHONTAS—Pocahontas Fuel Co., Inc.
PULASKI—Pulaski Iron Co.
ROANOKE—Va. Iron, Coal & Coke Co.
ST. PAUL—Clincher River Creek Co.
SOUTH CLINCHFIELD — International Coal Products Corp.

WASHINGTON.

CENTRALIA—Fords Prairie Coal Co.
Mendota Coal & Coke Co.
Monarch Coal Mining Co.
†Tilton River Bituminous Coal Co.
SEATTLE—Pacific Coast Coal Co., L. C. Smith bldg
TONO—Washington Union Coal Co.

WEST VIRGINIA.

BRAEHOLM—Buffalo Eagle Coal Co.
CANNELTON—Cannelton Coal & Coke Co.
CARBON—Carbon Fuel Co.
CHARLESTON—Slab Fork Coal Co.
CHARPLES—Boone County Coal Corp.
COALWOOD—Carter Coal Co.
DOTT—Turkey Gap Coal & Coke Co.
ELKINS—W. Virginia Coal & Coke Co.
EXCELSIOR—Excelsior Pocahontas Coal Co.
FAIRMONT—Bethlehem Coal Co.
Hutchinson Coal Co.
GLEN JEAN—McKee Coal & Coke Co.
GLEN WHITE—White E. E. Coal Co.
HOLDEN—Island Creek Coal Co.
KAYFORD—Cabin Creek Consolidated Coal Co.
McDONALD—New River Co.
OMAR—Main Island Creek Coal Co.
PAGE—Soup Creek Colliery Co.
PLEASANT—Ohio River Salt Co.
RALEIGH—Raleigh Coal & Coke Co. (Producers of "Black Knight," Specially Prepared Sintering Coal)
TAMS—Gulf Smokeless Coal Co.
WELCH—Central Pocahontas Coal Co.
WINDING GULF—Winding Gulf Colliery Co.

WISCONSIN.

MILWAUKEE—Elkhorn Piney Coal Mining Co., 425 E Water

WYOMING.

GEBO—Owl Creek Coal Co.
KEMMERER—Kemmerer Coal Co.
ROCK SPRING—Union Pacific Coal Co.

2784b— Coal Saver

Simmons John Co. ("Burntite" Combustion Device), 110 Centre, New York
See adv index at end of book

2785— Coal Tar Products

See also Colors, Coal Tar

Alcatraz Co., Inc., 3200 Williamsburg av, Richmond, Va.
Amalgamated Dyestuff & Chemical Works, Inc., 75 Hudson, New York
Barrett Co., 17 Battery pl, New York
Berkheimer J. E. Mfg. Co., 2928 S. M., Tacoma, Wash.
Berlin Aniline Works (Imp), 213 Water New York
Betts, C. G. Co., 1202 E Sprague, Spokane, Wash.
By-Products Coke Corp., 332 S. Michigan av, Chicago, Ill.
CABOT SAMUEL, INC., 141 Milk, Boston, Mass. *See adv index at end of book*
Campbell, John, & Co., 75 Hudson, New York
Certain-teed Products Corp., Boatman's Bank bldg, St. Louis, Mo.
Chatfield Mfg. Co., Carthage, Cincinnati, O.
City Gas Co. (Gas & Coal Tar), Norfolk, Va.
Coal Tar Product Co. ("Stag" Brand), 570 Smith, Brooklyn, N. Y.
Fall River Gas Wks, Fall River, Mass.
Ford Roofing Products Co., 2339 S La Salle, Chicago, Ill.
Glockner & Blue Co. (Roofing), 2472 3rd av), New York
Huggins Jas. & Son (For Rubber Mfrs.), Malden, Mass.
Industrial Chemical Co., 1414 Fifth Ave. bldg, New York
See adv index at end of book

Coal Tar Products
Benzol
Cresol U. S. P.
Cresylic Acid
Disinfectants
Pyridine
Tar Acid Oils
Industrial Chemical Co.
1414 Fifth Avenue Building
NEW YORK CITY

JORDAN COAL TAR PRODUCTS CO. INC., 15 Cliff, New York
Marden, Orth & Hastings Co., 136 Liberty, New York
Milwaukee Gas Light Co., 182 Wisconsin, Milwaukee, Wis.
National Aniline & Chemical Co., Inc., 40 Rector, New York
Philadelphia Aniline & Extract Co. (Aniline), Bourse bldg, Phila., Pa.
PROTEXOL CORP., 41 Barclay, New York
See adv index at end of book
Semet-Solvay Co., Syracuse, N. Y.
Seydel Mfg. Co., 88 Forrest, Jersey City, N. J.
Stelwagon Mfg. Co., 19th & Washington av, Phila., Pa.
United Roofing & Mfg. Co., Morris bldg, Phila., Pa.
Warren Bros. Co. ("Acme"), 142 Berkeley pl, Boston, Mass.
Warren Chemical & Mfg. Co., 17 Battery pl, New York
Watson H. F. Co. (Crude & Refined), Erie, Pa.
Wilckes, Martin, Wilckes Co. (Coal Tar Only), 135 William, New York
Zobel Ernst Co., 112 2d av, Brooklyn, N. Y.

2786—Coal & Coke Crushing & Screening Plants

Allen Engineering Co., 14 N. 55th, Phila., Pa.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Heyl & Patterson, 51 Water, Pittsburgh, Pa.
Hunt C. W. Co., West New Brighton, N. Y.
See adv index at end of book
JEFFREY MFG. CO., 961 N 4th Columbus, Ohio. *See adv index at end of book*
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Marion Machine Foundry & Supply Co., Marion, Ind.
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.
Phillips Mine & Mill Supply Co. (Screening Only), 2227 Jane, Pittsburgh, Pa.
Stephens-Adamson Mfg. Co. ("S.-A."), Aurora, Ill.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book

2786a— Coalite

Atlas Powder Co., Wilmington, Del.
Giant Powder Co., Cons., San Francisco, Cal.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York

2786b— Coat Hangers

Amos Chas. & Co., Inc., 3000 Hart av, Detroit, Mich.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Florin Philip, 11 E 24th, New York
Pioneer Wire Works, 133-135 Federal, Camden, N. J.
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Troy Wire Goods Co., Troy, N. Y.

2787—Coating (Automobile Tire)

French Sam'l H. & Co. ("Whitire"), 4th & Callowhill, Phila., Pa.

2787a—*Coating (Blackboard)

CHICAGO VARNISH WORKS, 2100 Elston av, Chicago, Ill.
DU PONT E. I. DE NEMOURS & CO. INC., Paint & Varnish Dept., 3500 Grays Ferry rd, Phila., Pa.
See adv index at end of book

Coating (Concrete)

See Water-proofing Materials

Coating (Rope & Cable)

See Wire Rope Coating & Lubricant

2788—Coatings (Cast Iron Pipe)

Barber Asphalt Paving Co. (Asphalt), Land Title bldg, Phila., Pa.
Highland Chemical Products Co. ("Highland," Non-Corrosive), Connellsville, Pa.
Lamson John S. & Bro., 347 Madison av, New York
Metals Coating Co. of America, 495 N 3rd, Phila., Pa.
Patton Paint Co., Milwaukee, Wis.
Riesenman Mfg. Co. (Ltd.) ("Eclipse"), Franklin, Pa.
Standard Asphalt & Rubber Co. ("Sarco," Mineral Rubber for Steel & Cast Iron Pipe), 208 S La Salle, Chicago, Ill.
Texas Company The, Dept. D, 17 Battery pl, New York
See adv index at end of book

2789—Coatings (Cement Floor)

Anti-Hydro Waterproofing Co., 9 Orchard, Newark, N. J.
Billings-Chapin Co. ("Bilchaco" for Preventing Dust, etc), 1163 E 40th, Cleveland, O.
Ohio Varnish Co. ("Chi-Namel"), 8604 Kinsman, Cleveland, O.
Preservative Products Co., 1133 B'way, New York

2790— Coats (Duck)

Gordon Supply Co., 537 Albany, Boston, Mass.
Humphrys R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Wheeler, F. H., Mfg. Co., 215 W. Huron, Chicago, Ill.

2790a—*Coats (Sheepskin Lined)

Humphrys R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*

2791— Cobalt

DRAKENFELD B. F. & CO., INC. (Metal, Oxide, Chloride, Sulphate, Hydrate, Carbonate, Nitrate, Acetate, Linoleate & Resinate), 50 Murray, New York
Fergusson Alex. C. Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Innis, Speiden & Co., Inc., 46 Cliff, New York
McKesson & Robbins, 91 Fulton, New York
Metal & Thermit Corp., 120 Broadway, New York
Roessler & Hasslacher Chemical Co. (Oxide, etc.), 709 6th av, New York
See adv index at end of book
Sloan & Russel, Inc. (Dryers & Salts), 132 Nassau, New York
Vitro Manfg. Co. (Phosphate), H. Bessemer bldg, Pittsburgh, Pa.
Wiarda John C. & Co. (Oxide & Sulphate), 83 Provost, Brooklyn, N. Y.
See adv index at end of book

2791a— Cobalt (Acetate)

Fergusson Alex. C. Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Masco Chemical Co., New Market, N. J.
Philipp Bros., Inc., 233 B'way, New York
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

2791b— Cobalt (Carbonate)

Fergusson Alex. C. Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Vitro Manfg. Co., H Bessemer bldg, Pittsburgh, Pa.

2791c— Cobalt (Chloride)

Cooper Chas. & Co., 194 Worth, New York
Fergusson Alex. C. Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Hachmeister-Lind Chemical Co., Pittsburgh, Pa.
Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Shepherd Chemical Co., Beech & Highland, Cincinnati, O.

2791d— Cobalt (Linoleate)

Fergusson Alex. C. Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Hachmeister-Lind Chemical Co., Pittsburgh, Pa.
See adv index at end of book
Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Scheel Wm. H., 179 Water, New York
Sizing Specialties Co., Jersey City, N. J.
Stresen-Reuter & Hancock Inc., 122 S Michigan av, Chicago, Ill.

2791e— Cobalt (Metal)

Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Mackay A. D., 130 Pearl, New York

2791f— Cobalt (Nitrate)

Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

2791g-h— Cobalt (Oxide)

DRAKENFELD B. F. & CO., INC., 50 Murray, New York
Fergusson Alex. C. Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Hachmeister-Lind Chemical Co., Pittsburgh, Pa.
HARSHAW FULLER & GOODWIN CO., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Niasco Chemical Co., New Market, N. J.
Philipp Bros., Inc., 23 B'way, New York
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book
Vitro Manfg. Co. (Black and Grey), H. Bessemer bldg, Pittsburgh, Pa.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

2791i— Cobalt (Resinate)

Fergusson Alex. C. Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Meyer, J., & Sons, Bourse bldg, Phila., Pa.
Scheel Wm. H., 179 Water, New York
See adv index at end of book

2791j— Cobalt (Sulphate)

Fergusson Alex. C. Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Hummel & Robinson, 90 West, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Vitro Manfg. Co., H. Bessemer bldg, Pittsburgh, Pa.

2792— Cobblers' Outfits

Chattanooga Implement & Mfg Co., Chattanooga, Tenn.
Enterprise Mfg. Co. of Pa., N 3d, cor Dauphin, Phila., Pa.
Fate-Root-Heath Co. ("Economy," "Economical," "Eclipse," "Invincible," "Guaranteed Perfection," "Leader," "Royal," "Acme," "Universal," "Plymouth Rock," "Combination," "Popular," "Fireside," "Premier," "Practical," "Home" Family, etc), Plymouth, O.
Sacks Louis Inc. ("Star"), Wilson av, Newark, N. J.
Wrightsville Hardware Co., Wrightsville, Pa.

2792a— Cocaine

Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park pl, New York
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book

2793— Cochineal

Anderson-Hillier Co. Inc. (Imp.), 73 Hudson, New York
Klipstein A. & Co., 644 Greenwich, New York
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.
Ransom L. E. Co. (Imported), 279 Pearl, New York

2794— Cockeyes

Frazer & Jones Co. (Screw, Triangular, "Utility," "Little Giant" Clip, etc), Syracuse, N. Y.
North & Judd Mfg. Co. ("Anchor Brand," Screw, Triangular, Clip, etc.), New Britain, Conn.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
Stowell Co., The, S. Milwaukee, Wis.

2795— Cocks (Acid)

(Names with * also manufacture Monel Metal)

*Beckley Perforating Co., Garwood, N. J.
*Cleveland Wire Cloth Co., Cleveland, O.
Duriron Castings Co. ("Duriron" Acid Proof), Dayton, O.
Garratt W. T. & Co., 299H Fremont, San Francisco, Cal.
General Ceramics Co. (Stoneware), 50 Church, New York
*Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall st, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp., C. O., Southport, Conn.
Kelly & Jones Co., The (Ajax Metal), Greensburg, Pa.
See adv index at end of book
M. H. Aterite Co., Paterson, N. J.
*Magosy & Buscher, 232 Canal, New York
Merrill Co., 121 2nd, San Francisco, Cal.
*Munning & Co., A. P., Matawan, N. J.
Pioneer Alloy Products Co., Inc., 16601 Euclid av, Cleveland, Ohio
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co., John P., New Haven, Conn.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co., W. S., Cleveland, O.
Walworth Mfg. Co., 82H Pearl, Boston, Mass.

Cocks (Acid-Proof Stoneware)

See Stoneware, Chemical

2796— Cocks (Air)

(Names with * also manufacture Monel Metal)

American Injector Co., 1469 14th av, Detroit, Mich.
American Lubricator Co., Summit & Wabash Ry, Detroit, Mich.
AMERICAN SCHAEFFER & BUDENBERG CORP., Berry & S 5th, Brooklyn, N. Y. *See adv index at end of book*
Asbell S. J. Co., Paterson, N. J.
*Beckley Perforating Co., Garwood, N. J.
Buckeye Iron & Brass Works, 322 E 3d, Dayton, O. *See adv index at end of book*
Claus Automatic Gas Cock Co., Becker & Booth, Milwaukee, Wis.
*Cleveland Wire Cloth Co., Cleveland, O.
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Detroit Brass & Malleable Works, 1117 Holden, Detroit, Mich.
Dallet Thos. H. C., 165 N Clearfield, Philadelphia, Pa.
Detroit Lubricator Co. ("Detroit," "Genuine Detroit"), 5938 Trumbull, Detroit, Mich
Garratt W. T. & Co., 299H Fremont, San Francisco, Cal.
Glauber Brass Mfg. Co. (High Pressure), 79th & Platt av, Cleveland, O.
Hancock Mfg. Co., Charlotte, Mich.
*Hendrick Mfg. Co., Carbondale, Pa.
Homestead Valve Mfg. Co., Homestead, Pa.
See adv index at end of book
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.

Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall st, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp., C. O., Southport, Conn.
Kelly & Jones Co., The, Greensburg, Pa.
See adv index at end of book
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
*Magosy & Buscher, 232 Canal, New York
McNab & Harlin Mfg. Co., Paterson, N. J.
McRae & Roberts Co., 100 So. Campbell av, Detroit, Mich.
Merrill Co., 121 2nd, San Francisco, Cal.
Michigan Lubricator Co., 3643 Beaubien, Detroit, Mich.
Monarch Valve Co. ("Monarch" Brass), 113 Front, Brooklyn, N. Y.
*Munning & Co., A. P., Matawan, N. J.
Nason Mfg. Co., 71 Fulton, New York
See adv index at end of book
National Brass Mfg. Co. (Lever Handle), Rochester, N. Y.
Pittsburgh Brass Mfg. Co. (For Mines), Penn & 32nd, Pittsburgh, Pa.
Powell, Wm., Co., 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Roberts Brass Mfg. Co., 5435 W Fort, Detroit, Mich.
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co., John P., New Haven, Conn.
Standard Brass Wks., 2931H Wright, Detroit, Mich.
*Steel Products Mfg. Co., Cicero, Ill.
Sterling & Skinner Mfg. Co., 2672 E Grand blvd, Detroit, Mich.
Strater Herman & Sons, 74 Sudbury, Boston, Mass.
*Taylor Disc Co., Mansfield, O.
*Tyler Co., W. S., Cleveland, O.
Walworth Mfg. Co., 82H Pearl, Boston, Mass.
Westinghouse Air Brake Co., Pittsburgh, Pa.

2797— Cocks (Air Brake)

Sherburne & Co. (Brakeman's, for Controlling from Rear of Trains When Backing), 53 Oliver, Boston, Mass.
Star Brass Mfg. Co. ("Star," Brakeman's Signals), 53 Oliver, Boston, Mass.
Westinghouse Air Brake Co. (Self-Locking Angle), Pittsburgh, Pa.

2798— Cocks (Ale & Beer)

(Names with * also manufacture Monel Metal)
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Asbell S. J. Co., Paterson, N. J.
*Beckley Perforating Co., Garwood, N. J.
Bishop & Babcock Co., 1204 E 55th, Cleveland, O.
Cleveland Brass Works, 4606 Hamilton av, Cleveland, O.
Cleveland Faucet Co., 1396 E 5th, Cleveland, O.
*Cleveland Wire Cloth Co., Cleveland, O.
Hamilton Jno. Brass Works (Beer or Bar), 152 Middl., Bridgeport, Conn.
Haydenville Co., Haydenville, Mass.
*Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall st, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp., C. O., Southport, Conn.
Lamp & Miller Mfg. Co., 382 4th, Milwaukee, Wis.
Landers, Frary & Clark, New Britain, Conn.
Liberty Brass Works, 305 W Lombard, Baltimore, Md.
*Magosy & Buscher, 232 Canal, New York
*Munning & Co., A. P., Matawan, N. J.
Peck Bros. & Co., New Haven, Conn.
Perkes Chas. (Est. of), 627 Arch, Phila., Pa.
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co., John P., New Haven, Conn.
*Steel Products Mfg. Co., Cicero, Ill.
Strater Herman & Sons, 74 Sudbury, Boston, Mass.
*Taylor Disc Co., Mansfield, O.
*Tyler Co., W. S., Cleveland, O.

2798a—Cocks (Asbestos Packed)

Fairbanks Co., 416 Broome, New York

2799— Cocks (Ball)

(Names with * also manufacture Monel Metal)
ACHESON MFG. CO. ("Mansfield"), Rankin, Pa. *See adv index at end of book*
American Brass & Copper Co., 138 Lafayette, New York
American Fdry. & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Pin Co. ("Ampinco"), Waterbury, Conn.
*Beckley Perforating Co., Garwood, N. J.
Belknap Mfg. Co., 800 Union av, Bridgeport, Conn.
Boston Brass Co. ("B. B." High Pressure, "Bronx" Low Pressure), 135 Bacon, Waltham, Mass.
Boyts, Porter & Co., Connellsville, Pa.
Burlington Brass Works ("Hartford"), Burlington, Wis.
Cahill-Swift Mfg. Co. ("Crescent"), 112 Market, St. Louis, Mo.
*Cleveland Wire Cloth Co., Cleveland, O.
Columbus Brass Co., 620 Dublin av, Detroit, Mich. *See adv index at end of book*
Conway Clutch Co., 1956 W 6th, Cincinnati, O.
Coyne & Delany Co., 832 Kent av, Brooklyn, N. Y.
CRANE CO., 836 Michigan av, Chicago, Ill.
See adv index at end of book
Dalton-Ingersoll Mfg. Co., 365 Atlantic av, Boston, Mass.
Dececo Co., 76 Batterymarch, Boston, Mass.
Douglas John Co., Carthage, Cincinnati, O.
d'Este Julian Co. ("U. S."), 24 Canal, Boston, Mass.
Edwardsville Brass Co., Edwardsville, Ill.
Eichman J. C. Mfg. Co., Bush & Wicomico, Baltimore, Md.
Engel Mfg. Co., 210 Temple, Syracuse, N. Y.
Exeter Brass Works ("Ryan's," "M. H."), Exeter, N. H.
Fleck Bros. Co., 44 N 5th, Phila., Pa.
Frost Mfg. Co. ("Frost"), Kenosha, Wis.
Garratt W. T. & Co., 299H Fremont, San Francisco, Cal.
Gaylord Sanitary Mfg. Co. ("Quick Repair"), El Dorado, Kansas.
Haines, Jones & Cadbury Co. ("Hajojca"), 1136 Ridge av, Phila., Pa.
Hall Mfg. Co., Harrison, N. J.
Haydenville Co., Haydenville, Mass.
Heap Wm. & Sons, Grand Haven, Mich.
*Hendrick Mfg. Co., Carbondale, Pa.
Hoffman B. Mfg. Co., 257 6th, Milwaukee, Wis.
Hoffmann & Billings Mfg. Co., 100 2d, Milwaukee, Wis.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
Humphreys Mfg. Co. (High Pressure), Mansfield, O.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall st, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp., C. O., Southport, Conn.
Jones Jas. Co., 201 Leroy, Los Angeles, Cal.
Keystone Brass Works, 926 W 12th, Erie, Pa.
L. B. Brass Co. ("L. B."), Peabody, Mass.
Larkin, J. K., & Co., 253 Broadway, New York.
See adv index at end of book
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
*Magosy & Buscher, 232 Canal, New York
McDonald A. Y. Mfg. Co., Dubuque, Ia.
McGraw R., Syracuse, N. Y.
McNab & Harlin Mfg. Co., Paterson, N. J.
McRae & Roberts Co. (Gauge), 100 So. Campbell av, Detroit, Mich.
McShane Bell Foundry Co. ("McShane" Compression), Harford av & B. & O. R. R., Baltimore, Md.
Meyer-Sniffen Co., 11 W 48th, New York
Miller Chas. A. Co. (Low Down, Closet, etc.), Sturgis, Mich.
Morency-Van Buren Mfg. Co. ("M. V. B."), Sturgis, Mich.
Mott, J. L. Iron Works, Trenton, N. J.
*Munning & Co., A. P., Matawan, N. J.
Nason Mfg. Co., 71 Fulton, New York
See adv index at end of book
Nelson N. O. Mfg. Co., 10th & Chestnut St. Louis, Mo.
Ohio Pump & Brass Co. ("Triumph"), Columbus, O.
Pacific Coast Brass Mfg. Co., 721 E Slawson av, Huntington Park, Los Angeles, Cal.
Peck Bros. & Co., New Haven, Conn.
Ramsey Machine & Elevator Co., 207 N 12th, St. Louis, Mo.
Rex Mfg. Company ("Rex" High Pressure), 1038 Cotton, Oakland, Cal.
Robertshaw Mfg. Co., Youngwood, Pa.
Savill's Thos. Sons, 1310 Wallace, Phila., Pa.
Schild Specialty Co. ("Herschler Faultless"), 111 High av, Cleveland, O.
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co., John P., New Haven, Conn.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Stebbins E. Mfg. Co., Springfield, Mass.
*Steel Products Mfg. Co., Cicero, Ill.
Street & Kent Mfg. Co. ("Quanco" Barbers), 1956 Clybourn, Chicago, Ill.
*Taylor Disc Co., Mansfield, O.
Tillotson Humidifier Co. (Noiseless), 78 Fountain, Providence, R. I.
Trenton Brass & Machine Co., Trenton, N. J.
Try-Me Mfg. Co. ("Try-Me"), Westfield, Mass.
*Tyler Co., W. S., Cleveland, O.
Union Brass & Metal Mfg. Co., Lawson & Mackubin, St. Paul, Minn.
Union Metal Works ("A. R. R. C."), Chelsea, Mass.
Vulcan Brass Mfg. Co. ("Paragon"), 9110 Woodland av, Cleveland, O.
Webb F. W. Mfg. Co., 50 Elm, Boston, Mass.
Western Brass Mfg. Works, Marshall blvd & W 21st, Chicago, Ill.
Wise J. B., Inc., Watertown, N. J.
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.
Wolverine Brass Works ("Dale"), Grand Rapids, Mich.

2800— Cocks (Basin)

(Names with * also manufacture Monel Metal)
American Foundry & Mfg. Co. (Compression, Ground Key & Self-Closing), 11th & Hebert, St. Louis, Mo.
Apex Brass Mfg. Co., 3063 E 61st, Cleveland, Ohio
Banner Mfg. Co. ("Banner," Self-Closing Faucet), 109 Lafayette, New York
Bashlin Co. (Compression & Self-Closing), Warren, Pa.
*Beckley Perforating Co., Garwood, N. J.
Burlington Brass Works (Fuller & Compression), Burlington, Wis.
Capitol Brass Works, 2306 Franklin, Detroit, Mich.
Central Brass Mfg. Co. ("Quick-Pression" Faucets), 6206 Cedar, Cleveland, O.
Chicago Faucet Co. ("Chi-Fau-Co.," Self-Closing), 2712 N Crawford av, Chicago, Ill.
*Cleveland Wire Cloth Co., Cleveland, O.
Cooper Sanitary Mfg. Co. (Compression & Fuller), 24th & Chestnut, Phila., Pa.
Dearborn Brass Co. (Self-Closing), Cedar Rapids, Ia.
Dick Bros. (Inc.), Reading, Pa.
Eichman J. C. Mfg. Co., Bush & Wicomico, Baltimore, Md.
Elgin Brass Co., 21 Park Row, New York
Empire Brass Mfg. Co., 10301 Berea rd, Cleveland, O.
Excelovalve Co. ("Excel-O Valve" Slow Closing), 1777 Broadway, New York
Gibson Bros. Mfg. Co., North Chicago, Ill.
Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, O.
Haydenville Co. (Compression & Swing), Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
See adv index at end of book
*Hendrick Mfg. Co., Carbondale, Pa.
Hoffmann & Billings Mfg. Co., 100 2d, Milwaukee, Wis.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall st, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp., C. O., Southport, Conn.
Kelly & Jones Co., The, Greensburg, Pa.
See adv index at end of book
Leader Brass Foundry & Mfg. Co., 3302 Jennings Road, Cleveland, Ohio
*Magosy & Buscher, 232 Canal, New York
McCambridge Co., 315 N 20th, Phila., Pa.
McDonald A. Y. Mfg. Co. ("McDonald," Adjustable Right or Left Fuller), Dubuque, Ia.
McNab & Harlin Mfg. Co. (Compression, etc.), Paterson, N. J.
McRAE & ROBERTS CO., 100 So. Campbell av, Detroit, Mich.
McShane Bell Foundry Co. (Compression & Self-Closing), Harford av & B. & O. R. R., Baltimore, Md.
Meyer-Sniffen Co., 11 W 48th, New York
Mott J. L. Iron Works, Trenton, N. J.
Mueller Co. (Compression Rapidac Fuller & Self-Closing), Decatur, Ill.
*Munning & Co., A. P., Matawan, N. J.
Nelson N. O. Mfg. Co. (Fuller & Quick Compression), 10th & Chestnut, St. Louis, Mo.
Nopack Brass Mfg. Co. ("Nopack"), DuBois, Pa.
Pacific Coast Brass Mfg. Co., 721 E Slawson av, Huntington Park, Los Angeles, Cal.
Pacific Faucet Mfg. Co., 940 E 60th, Los Angeles, Cal.
Peck Bros. & Co., New Haven, Conn.
Prier Brass Mfg. Co. ("Standard" Self-Closing & "Prier" Quick Compression), 15 & Blue River, Kansas City, Mo.
Roberts Brass Mfg. Co., 5435 W Fort, Detroit, Mich.
Schwander Brass Mfg. Co. (Fuller), 823 N 8th, St. Louis, Mo.
Sherman H. B. Mfg. Co., Battle Creek, Mich.
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co., John P., New Haven, Conn.
Speakman Supply & Pipe Co. ("Speakman" Compression Faucet, China Mountings), Wilmington, Del.
Standard Brass Casting Co. ("Bear Brand"), Dept. H, 3rd & Jefferson, Oakland, Cal.
Stebbins E. Mfg. Co. ("Broughton" Self-Closing), Springfield, Mass.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co., W. S., Cleveland, O.
Union Brass & Metal Mfg. Co., Lawson & Mackubin, St. Paul, Minn.
Vulcan Brass Mfg. Co., 9110 Woodland av, Cleveland, O.
Woodhill Brass Co. ("Woodhill"), 2889 Woodhill av., Cleveland, Ohio

2801— Cocks (Bath)

(Names with * also manufacture Monel Metal)
American Brass Mfg. Co., 1521 E. 149th, Cleveland, O.
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.

(Continued on following page)

HAYS MANUFACTURING CO.

BRASS AND IRON PRODUCTS FOR PLUMBING

WATER-GAS-STEAM

Erie, Pa., U. S. A.

Cocks (Bath)—Continued

American Sanitary Mfg. Co. ("American-Fuller"), Abingdon, Ill.
Apex Brass Mfg. Co., 3063 E 61st, Cleveland, Ohio
Bashlin Co. (Compression), Warren, Pa.
*Beckley Perforating Co., Garwood, N. J.
Burlington Brass Works (Fuller), Burlington, Wis.
Central Brass Mfg. Co. ("Quick-Pression" Faucets), 6206 Cedar, Cleveland, O.
*Cleveland Wire Cloth Co., Cleveland, O.
Cooper Sanitary Mfg. Co. (Compression & Fuller), 34th & Chestnut, Phila., Pa.
Dearborn Brass Co., Cedar Rapids, Ia.
Dick Bros. (Inc.), Reading, Pa.
Edwardsville Brass Co., Edwardsville, Ill.
Elgin Brass Co., 21 Park Row, New York
Empire Brass Mfg. Co., 10301 Berea rd, Cleveland, O.
Gibson Bros. Mfg. Co., North Chicago, Ill.
Glauber Brass Mfg. Co., 49th & Superior av N E, Cleveland, O.
Hays Mfg. Co., Erie, Pa.
See adv index at end of book
*Hendrick Mfg. Co., Carbondale, Pa.
Hoffmann & Billings Mfg. Co., 100 2d, Milwaukee, Wis.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall st, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp., C. O., Southport, Conn.
*Magosy & Buscher, 232 Canal, New York
McCambridge Co., 315 N 20th, Phila., Pa.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
McShane Bell Foundry Co. (Compression Double), Harford av & B. & O. R. R., Baltimore, Md.
Mott J. L. Iron Works, Trenton, N. J.
Mueller Co. (Compression Rapidac, Fuller & Self-Closing), Decatur, Ill.
*Munning & Co., A. P., Matawan, N. J.
Nason Mfg. Co., 71 Fulton, New York
See adv index at end of book
Nelson N. O. Mfg. Co., 10th & Chestnut, St. Louis, Mo.
Northern Brass Mfg. Co. (Double, etc.), Waukegan, Ill.
Pacific Coast Brass Mfg. Co., 721 E Slawson av, Huntington Park, Los Angeles, Cal.
Pacific Faucet Mfg. Co., 940 E 60th, Los Angeles, Cal.
Republic Brass Mfg. Co., 2115 E 27th, Los Angeles, Cal.
Robinson Plumbing Supply Co. (Jobbers), St. Paul, Minn.
Rundle Mfg. Co. (Fuller & Compression), 27th & Wahl, Milwaukee, Wis.
Schwander Brass Mfg. Co. (Fuller & Compression), 823 N 8th, St. Louis, Mo.
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co., John P., New Haven, Conn.
Standard Brass Casting Co. ("Bear Brand"), 3rd & Jefferson, Oakland, Cal.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
Trenton Brass & Machine Co. (Compression), Trenton, N. J.
*Tyler Co., W. S., Cleveland, O.
Union Brass & Metal Mfg. Co., Lawson & Mackubin, St. Paul, Minn.
Weiskittle A. & Son Co., 12th & E Lombard, Baltimore, Md.

2802— Cocks (Bibb Nose)

Capitol Brass Works, 2306 Franklin, Detroit, Mich.
Crane Co., 836 S. Michigan av, Chicago, Ill. *See adv index at end of book*
Detroit Brass & Malleable Works, 1177 Holden, Detroit, Mich.
HAYS MFG. CO., Erie, Pa.
See adv index at end of book
Kelly & Jones Co., The, Greensburg, Pa.
See adv index at end of book
Krenz Oscar Copper & Brass Works, 612 Bryant, San Francisco, Cal.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Schwander Brass Mfg. Co., 823 N. 8th, St. Louis, Mo.

2803— Cocks (Blow-Off)

(Names with * also manufacture Monel Metal)

*Beckley Perforating Co., Garwood, N. J.
Berkshire Mfg. Co. (For Foundry Use), Whitney Power blk, Cleveland, O.
Bird-Archer Co. ("B. A. Co."), 33 Rector, New York
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, Ohio
See adv index at end of book
*Cleveland Wire Cloth Co., Cleveland, O.
CRANE CO., 836 S. Michigan av, Chicago, Ill. *See adv index at end of book*
Crosby Steam Gage & Valve Co. ("Crosby," "Johnstone" Swing Lever Type for Locomotives & Stationary Boilers), 40 Central, Boston, Mass.
*Hendrick Mfg. Co., Carbondale, Pa.
HOMESTEAD VALVE MFG. CO., Homestead, Pa.
See adv index at end of book
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp. C. O., Southport, Conn.
Judson Governor Co., Rochester, N. Y.
Kelly & Jones, The, Greensburg, Pa.
See adv index at end of book
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
*Magosy & Buscher, 232 Canal, New York
Merrill Co., 121 2nd, San Francisco, Cal.
*Munning & Co. A. P., Matawan, N. J.
Nathan Mfg. Co. (For Locomotive), 21 E 40th, New York
O'Mally-Beare Valve Co. ("Multiplate"), Railway Exch. bldg, Chicago, Ill.
Pacific Faucet Mfg. Co., 940 E 60th, Los Angeles, Cal.
Pittsburgh Valve Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Pratt & Cady Co. ("P. & C."), Hartford, Conn.
*Sholes Inc., 186 Lafayette, New York
*Smith & Co. John P., New Haven, Conn.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co. W. S., Cleveland, O.
Victory Mfg. Co., Niles, Cal.
Whitehead Bros. Co. (For Foundry Use), 537 W 27th, New York

2803a— Cocks (Brass)

Century Brass Works, Belleville, Ill.
Detroit Brass & Malleable Works, 1177 Holden, Detroit, Mich.
Haydenville Co., Haydenville, Mass.
HAYS MFG. CO., Erie, Pa.
See adv index at end of book
Homestead Valve Mfg. Co., Homestead, Pa.
See adv index at end of book
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
KELLY & JONES CO., THE (We make a brass cock for every purpose and pressure in sizes ⅛" to 6", screwed or flanged. All of them are carefully tested for the purpose intended for and are guaranteed to give dependable service. Write for our catalogue.) Greensburg, Pa.
See adv index at end of book
Walworth Mfg. Co., 793 1st, South Boston, Mass.

2804— Cocks (Clay Press)

Trenton Brass & Machine Co. (For "Watson" & "Belfield" Clay Presser), Trenton, N. J.

2805— Cocks (Cooler)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Cordley & Hayes, 32 Leonard, New York
See adv index at end of book
Detroit Brass & Malleable Works (Water), 1117 Holden, Detroit, Mich.
Haydenville Co., Haydenville, Mass.
National Brass Mfg. Co., Rochester, N. Y.

2806— Cocks (Corporation)

(Names with * also manufacture Monel Metal)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
*Beckley Perforating Co., Garwood, N. J.
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, Ohio
See adv index at end of book
Cleveland Brass Mfg. Co. ("Clebra"), 4606 Hamilton, Cleveland, O.
*Cleveland Wire Cloth Co., Cleveland, O.
Crane Co., 836 S. Michigan av, Chicago, Ill. *See adv index at end of book*
Elkhart Brass Mfg. Co. (Stop), Elkhart, Ind.
Everhart Brass Works, Scranton, Pa.
Farnan Brass Works Co., 1105 Center, Cleveland, O.
Garratt W. T. & Co., 299H Fremont, San Francisco, Cal.
Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, O.
Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
Hamilton Jno. Brass Works, 152 Middl., Bridgeport, Conn.
Hamlin & Emery Brass Co., 49 Island, Boston, Mass.
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
See adv index at end of book
Healey Peter, 201L 1st, Evansville, Ind.
*Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp. C. O., Southport, Conn.
Jones Jas. Co., 201 Leroy av, Los Angeles, Cal.
Kinsey & Mahler Co., Peoria, Ill.
Kitson Hydro-Carbon Heating & Incadescent Lighting Co. ("Kitson"), 2819 Oakford, Phila., Pa.
Krenz Oscar, Copper & Brass Works, 612 Bryant, San Francisco, Cal.
Lamp & Miller Mfg. Co., 382 4th, Milwaukee, Wis.
Landers, Frary & Clark, New Britain, Conn.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
*Magosy & Buscher, 232 Canal, New York
McCambridge Co., 315 N 20th, Phila., Pa.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
McNab & Harlin Mfg. Co., Paterson, N. J.
Meyer-Sniffen Co., 11 W 48th, New York
Mueller Co., Decatur, Ill.
*Munning & Co. A. P., Matawan, N. J.
Nason Mfg. Co., 71 Fulton, New York
See adv index at end of book
Ohio Pump & Brass Co., Columbus, O.
Pacific Coast Brass Mfg. Co., 721 E Slawson av, Huntington Park, Los Angeles, Cal.
Pacific Faucet Mfg. Co., 940 E 60th, Los Angeles, Cal.
Peck Bros. & Co., New Haven, Conn.
Pioneer Brass Works, 1102 E 23rd, Indianapolis, Ind.

Prier Brass Mfg. Co., 15 & Blue River, Kansas City, Mo.
Rundle-Spence Mfg. Co., 63 2d, Milwaukee, Wis.
*Sholes Inc., 186 Lafayette, New York
*Smith & Co. John P., New Haven, Conn.
Smith A. P. Mfg. Co. (Also Curb), E. Orange, N. J.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Stebbins E. Mfg. Co., Springfield, Mass.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co. W. S., Cleveland, O.
Union Water Meter Co., Worcester, Mass.
Walworth Mfg. Co. ("Boston"), 82H Pearl, Boston, Mass.
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.

2807—Cocks (Cream Separator)

(Names with * also manufacture Monel Metal)

*Beckley Perforating Co., Garwood, N. J.
*Cleveland Wire Cloth Co., Cleveland, O.
Creamery Package Mfg. Co., 61 W Kinzie, Chicago, Ill.
Haydenville Co., Haydenville, Mass.
*Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp. C. O., Southport, Conn.
Landers, Frary & Clark, New Britain, Conn.
*Magosy & Buscher, 232 Canal, New York
McRae & Roberts Co., 100 So. Campbell av, Detroit, Mich.
*Munning & Co. A. P., Matawan, N. J.
National Brass Mfg. Co., Rochester, N. Y.
*Sholes Inc., 186 Lafayette, New York
*Smith & Co. John P., New Haven, Conn.
Standard Brass Wks., 2931H Wight, Detroit, Mich.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co. W. S., Cleveland, O.

2808— Cocks (Curb)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, O.
Hays Mfg. Co., Erie, Pa.
See adv index at end of book
Jones Jas. Co., 201 Leroy, Los Angeles, Cal
Mueller H. Mfg. Co., Decatur, Ill.
See adv index at end of book
Pacific Coast Brass Mfg. Co., 721 E Slawson av, Huntington Park, Los Angeles, Cal.
Pacific Faucet Mfg. Co., 940 E 60th, Los Angeles, Cal.
Rockford Brass Works, Rockford, Ill.
Standard Brass Casting Co. ("Bear Brand"), Dept. H, 3rd & Jefferson, Oakland, Cal.
Union Brass & Metal Mfg. Co., Lawson & Mackubin, St. Paul, Minn.

2809— Cocks (Cylinder)

(Names with * also manufacture Monel Metal)

American Safety Lamp & Mine Supply Co. (Locomotive), 1327 Capouse av, Scranton, Pa.
*Beckley Perforating Co., Garwood, N. J.
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, O. *See adv index at end of book*
*Cleveland Wire Cloth Co., Cleveland, O.
Crane Co., 836 S. Michigan av, Chicago, Ill. *See adv index at end of book*
Detroit Brass & Malleable Works, 1117 Holden, Detroit, Mich.
Eagle Brass Foundry Co., Seattle, Wash.
Edna Brass Mfg. Co. (Locomotive Cylinder), Cincinnati, O.
Hancock Inspirator Co. (Pneumatic), 100 E 42nd, New York
*Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp. C. O., Southport, Conn.
Kelly & Jones Co., The, Greensburg, Pa.
See adv index at end of book
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
*Magosy & Buscher, 232 Canal, New York
McNab & Harlin Mfg. Co., Paterson, N. J.
McRae & Roberts, Co., 100 So. Campbell av, Detroit, Mich.
Manning Maxwell & Moore, Inc. (Hancock Inspirator Co. Div.), 100 E 42nd, New York *See adv index at end of book*
*Munning & Co. A. P., Matawan, N. J.
Nathan Mfg. Co. (Cylinder & Drain for Locomotives), 21 E 40th, New York
Powell Wm. Co. (Tee Handle & L Handle, Traction Engine, etc.), 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Roberts Brass Mfg. Co., 5435 W Fort, Detroit, Mich.
*Sholes Inc., 186 Lafayette, New York
*Smith & Co. John P., New Haven, Conn.
*Steel Products Mfg. Co., Cicero, Ill.
Sterling & Skinner Mfg. Co., 2672 E Grand blvd, Detroit, Mich.
*Taylor Disc Co., Mansfield, O.
*Tyler Co. W. S., Cleveland, O.
Walworth Mfg. Co., 82H Pearl, Boston, Mass.
Watertown Specialty Co. ("Watertown" Automatic Drain), Watertown, N. Y.

2810— Cocks (Dial)

Essex G. B. Brass Co. ("Essex"), 480 Franklin, Detroit, Mich.
Hays Mfg. Co., Erie, Pa.
See adv index at end of book
Jones Jas. Co., 201 Leroy, Los Angeles, Cal.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*

2811— Cocks (Drain)

(Names with * also manufacture Monel Metal)

*Beckley Perforating Co., Garwood, N. J.
BRASS FOUNDRY CO. (Washing Machines), 700 McAdams, Peoria, Ill.
See adv index at end of book
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, O. *See adv index at end of book*
*Cleveland Wire Cloth Co., Cleveland, O.
Commonwealth Brass Corp., 5781 Commonwealth av & Ry, Detroit, Mich.
Detroit Brass & Malleable Works, 1117 Holden, Detroit, Mich.
Detroit Lubricator Co. ("Detroit," "Genuine Detroit"), 5938 Trumbull, Detroit, Mich.
Gibson Bros. Mfg. Co. (Boiler), North Chicago, Ill.
Hampden Brass Co., 262 Liberty, Springfield, Mass.
HAYS MFG. CO., Erie, Pa.
See adv index at end of book
*Hendrick Mfg. Co., Carbondale, Pa.
Homestead Valve Mfg. Co., Homestead, Pa.
See adv index at end of book
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp. C. O., Southport, Conn.
Kitson Co., 2815-2827 Oakford, Phila., Pa.
Lincoln Brass Works ("Lincoln" Radiator), 2067-12, Detroit, Mich.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
*Magosy & Buscher, 232 Canal, New York
McRae & Roberts, Co., 100 So. Campbell av, Detroit, Mich.
Michigan Lubricator Co. (Radiator), 3643 Beaubien, Detroit, Mich.
*Munning & Co. A. P., Matawan, N. J.
Pacific Faucet Mfg. Co., 940 E 60th, Los Angeles, Cal.
Republic Brass Mfg. Co., 2115 E 27th, Los Angeles, Cal.
Roberts Brass Mfg. Co., 5435 W Fort, Detroit, Mich.
Schwander Brass Mfg. Co. (Boiler), 823 N 8th, St. Louis, Mo.
*Sholes Inc., 186 Lafayette, New York
*Smith & Co. John P., New Haven, Conn.
Standard Brass Wks., 2931H Wight, Detroit, Mich.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co. W. S., Cleveland, O.
Woodhill Brass Co. (Boiler), 2889 Woodhill av., Cleveland, Ohio

2812— Cocks (Filter Press)

Gibson Bros. Mfg. Co., North Chicago, Ill.
Haydenville Co., Haydenville, Mass.
Johnson John Co., 37th & 2nd av, Brooklyn, N. Y.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McRae & Roberts, Co., 100 So. Campbell av, Detroit, Mich.

2813— Cocks (Float)

Jones Jas. Co., 201 Leroy, Los Angeles, Cal.

2814— Cocks (Four-Way)

Crane Co., 836 S. Michigan av, Chicago, Ill. *See adv index at end of book*
Garratt W. T. & Co., 299H Fremont, San Francisco, Cal.
Hartman Co., 1231 N Front, Phila., Pa.
Homestead Valve Mfg. Co., Homestead, Pa.
See adv index at end of book
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Merrill Co., 121 2nd, San Francisco, Cal.

2815— Cocks (Gas Engine)

(Names with * also manufacture Monel Metal)

*Beckley Perforating Co., Garwood, N. J.
*Cleveland Wire Cloth Co., Cleveland, O.
Detroit Brass & Malleable Works, 1177 Holden, Detroit, Mich.
Hays Mfg. Co., Erie, Pa.
See adv index at end of book
*Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp. C. O., Southport, Conn.
Jones Jas. Co., 201 Leroy, Los Angeles, Cal.
Kelly & Jones Co., The, Greensburg, Pa.
See adv index at end of book
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
*Magosy & Buscher, 232 Canal, New York
*Munning & Co. A. P., Matawan, N. J.
*Sholes Inc., 186 Lafayette, New York
*Smith & Co. John P., New Haven, Conn.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co. W. S., Cleveland, O.

2816— Cocks (Gas Meter)

(Names with * also manufacture Monel Metal)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
*Beckley Perforating Co., Garwood, N. J.
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, O. *See adv index at end of book*
Claus Automatic Gas Cock Co., Becker & Booth, Milwaukee, Wis.
*Cleveland Wire Cloth Co., Cleveland, O.
Crane Co., South av, Bridgeport, Conn.
Detroit Brass & Malleable Works, 1177 Holden, Detroit, Mich.
Elkhart Brass Mfg. Co., Elkhart, Ind.
Garratt W. T. & Co., 299H Fremont, San Francisco, Cal.
Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, O.
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
See adv index at end of book
*Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp. C. O., Southport, Conn.
Jones Jas. Co., 201 Leroy, Los Angeles, Cal.
Kelly & Jones Co., The (Brass), Greensburg, Pa. *See adv index at end of book*
Krenz Oscar Copper & Brass Works, 612 Bryant, San Francisco, Cal.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
*Magosy & Buscher, 232 Canal, New York
McNab & Harlin Mfg. Co., Paterson, N. J.
McRae & Roberts, Co., 100 So. Campbell av, Detroit, Mich.
Mueller Co., Decatur, Ill.
*Munning & Co. A. P., Matawan, N. J.
Powell Wm. Co., 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Rockford Brass Works (Lock Wing Union), Rockford, Ill.
*Sholes Inc., 186 Lafayette, New York
*Smith & Co. John P., New Haven, Conn.
Stebbins E. Mfg. Co., Springfield, Mass.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co. W. S., Cleveland, O.
Utica Valve & Fixture Co., Utica, N. Y.

2817— Cocks (Gas Service)

(Names with * also manufacture Monel Metal)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
*Beckley Perforating Co., Garwood, N. J.
Belfield H. Co., 435 N Broad, Phila., Pa.
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, O. *See adv index at end of book*
Claus Automatic Gas Cock Co., Becker & Booth, Milwaukee, Wis.
Cleveland Brass Mfg. Co. ("Clebra"), 4606 Hamilton, Cleveland, O.
*Cleveland Wire Cloth Co., Cleveland, O.
Continental Supply Co., Post Dispatch bldg, St. Louis, Mo.
Crane Co., 836 S. Michigan av, Chicago, Ill. *See adv index at end of book*
Cunningham P. C. ("Cunningham Safety Flush" Gas Receptical), 1040 S Broadway, Los Angeles, Cal.
Detroit Brass & Malleable Works, 1117 Holden, Detroit, Mich.
Elkhart Brass Mfg. Co., Elkhart, Ind.
Everhart Brass Works, Scranton, Pa.
Exeter Brass Works, Exeter, N. H.
Farnan Brass Works Co., 1105 Center, Cleveland, O.
Garratt W. T. & Co., 299H Fremont, San Francisco, Cal.
Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, O.
Hamlin & Emery Brass Co., 49 Island, Boston, Mass.
Harris Pump & Supply Co., 318 Second av, Pittsburgh, Pa.
See adv index at end of book

(Continued on following page)

Cocks (Gas Service)—Continued

Haydenville Co., Haydenville, Mass.
HAYS MFG. CO., Erie, Pa.
See adv index at end of book
Healey Peter, 201L 1st, Evansville, Ind.
*Hendrick Mfg. Co., Carbondale, Pa.
Hoffmann & Billings Mfg. Co., 100 2nd, Milwaukee, Wis.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp. C. O., Southport, Conn.
Jones Jas Co., 201 Leroy, Los Angeles, Cal.
Kelly & Jones Co., The (Brass), Greensburg, Pa. *See adv index at end of book*
Kinsey & Mahler Co., Peoria, Ill.
Kitson Co. ("Kitson"), 2815-2827 Oakford, Phila., Pa.
Krenz Oscar Copper & Brass Works, 612 Bryant, San Francisco, Cal.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
*Magosy & Buscher, 232 Canal, New York
McCambridge Co., 315 N 20th, Phila., Pa.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
McMann & Taylor Co., 104 John, New York
See ad index at end of book
McNab & Harlin Mfg. Co., Paterson, N. J.
McRae & Roberts, Co., 100 So. Campbell av, Detroit, Mich.
Meyer-Sniffen Co., 11 W 48th, New York
Morgan Mfg. Co., Inc., Keene, N. H.
Mueller Co., Decatur, Ill.
*Munning & Co. A. P., Matawan, N. J.
Nason Mfg. Co., 71 Fulton, New York
See adv index at end of book
National Supply Co., Toledo, O.
Nichol Thos. J. & Co., 3538 Benis Evan, Cincinnati, O.
Ohio Pump & Brass Co., Columbus, O.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Pacific Coast Brass Mfg. Co., 721 E Slawson av, Huntington Park, Los Angeles, Cal.
Peck Bros. & Co., New Haven, Conn.
Perkes Chas. (Est. of), 627 Arch, Phila., Pa.
Powell, Wm., Co., 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Queen City Brass & Iron Works, Cincinnati, O.
Rockford Brass Works, Rockford, Ill.
Rundle-Spence Mfg. Co., 63 2d, Milwaukee, Wis.
*Sholes Inc., 186 Lafayette, New York
Simmons John Co., 110 Centre, New York
See adv index at end of book
*Smith & Co. John P., New Haven, Conn.
Smith A. P. Mfg. Co., East Orange, N. J.
Stebbins E. Mfg. Co., Springfield, Mass.
*Steel Products Mfg. Co., Cicero, Ill.
Sterling & Skinner Mfg. Co., 2672 E Grand blvd, Detroit, Mich.
*Taylor Disc Co., Mansfield, O.
*Tyler Co. W. S., Cleveland, O.
Union Brass & Metal Mfg. Co., Lawson & Makubin, St. Paul, Minn.
Utica Valve & Fixture Co., Utica, N. Y.
Walworth Mfg. Co., Boston, Mass.
Weir & Craig Mfg. Co., 6316 Wentworth av, Chicago, Ill.
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.

2818— Cocks (Gas Stove)

American Brass & Copper Co., 138 Lafayette, New York
Claus Automatic Gas Cock Co., Becker & Booth, Milwaukee, Wis.
Detroit Brass & Malleable Works, 1177 Holden, Detroit, Mich.
Hays Mfg. Co., Erie, Pa.
See adv index at end of book
Krenz Oscar Copper & Brass Works, 612 Bryant, San Francisco, Cal.
McRAE & ROBERTS CO., 100 So. Campbell av, Detroit, Mich.
Mueller H. Mfg. Co., Decatur, Ill.
See adv index at end of book
Roberts Brass Mfg. Co., 5435 W Fort, Detroit, Mich.
Rockford Brass Works, Rockford, Ill.
Standard Brass Wks., 2931H Wight, Detroit, Mich.
Stebbins E. Mfg. Co., Springfield, Mass.
Utica Valve & Fixture Co., Utica, N. Y.

2819—Cocks (Gasoline Shut-Off)

(Names with * also manufacture Monel Metal)
*Beckley Perforating Co., Garwood, N. J.
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, O. *See adv index at end of book*
*Cleveland Wire Cloth Co., Cleveland, O.
Commonwealth Brass Corp., 5781 Commonwealth av & Ry. Detroit, Mich.
Detroit Brass & Malleable Works, 1177 Holden, Detroit, Mich.
Detroit Lubricator Co. ("Detroit," "Genuine Detroit"), 5938 Trumbull, Detroit, Mich.
Dole Valve Co., 1923 Carroll, Chicago, Ill.
HAYS MFG. CO., Erie, Pa.
See adv index at end of book
*Hendrick Mfg. Co., Carbondale, Pa.
Homestead Valve Mfg. Co., Homestead, Pa.
See adv index at end of book
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Imperial Brass Mfg. Co., 1200 W. Harrison, Chicago, Ill.
INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp. C. O., Southport, Conn.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
*Magosy & Buscher, 232 Canal, New York
Michigan Lubricator Co., 3643 Beaubien, Detroit, Mich.
*Munning & Co. A. P., Matawan, N. J.
Pioneer Alloy Products Co., Inc., 16601 Euclid av, Cleveland, Ohio
Powell, Wm. Co., 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Roberts Brass Mfg. Co., 5435 W Fort, Detroit, Mich.
*Sholes Inc., 186 Lafayette, New York
*Smith & Co. John P., New Haven, Conn.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co. W. S., Cleveland, O.

2820— Cocks (Gauge)

(Names with * also manufacture Monel Metal)
American Injector Co., 1469 14th av, Detroit, Mich.
AMERICAN SAFETY LAMP & MINE SUPPLY CO. ("Scranton" Self-Closing), 1327 Capouse av, Scranton, Pa.
AMERICAN SCHAEFFER & BUDENBERG CORP. (Indicator), Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book
Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
*Beckley Perforating Co., Garwood, N. J.
Belfield H. Co., 435 N Broad, Phila., Pa.
Belknap Mfg. Co., 800 Union av, Bridgeport, Conn.
Bonar Jas. & Co. ("Bonar"), Park bldg, Pittsburg, Pa.
Bordo L. J. Co., 12th & Thompson, Phila., Pa.
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, O. *See adv index at end of book*
Cadman A. W. Mfg. Co. ("Indestructible" High Pressure, etc.), 2816 Smallman, Pittsburgh, Pa.
Capitol Brass Works (Compression), 596 Franklin, Detroit, Mich.
Chaplin-Fulton Mfg. Co. ("Bingham's" Self-Grinding), 34 Penn av, Pittsburgh, Pa.
CLEVELAND FLUE CLEANER MANUFACTURING CO. ("Diamond" Self-Closing), 5318 St. Clair av, Cleveland, O.
*Cleveland Wire Cloth Co., Cleveland, O.
CRANE CO., 836 Michigan av, Chicago, Ill.
See adv index at end of book
Detroit Brass & Malleable Works (Compression & Register), 1117 Holden, Detroit, Mich.
Detroit Lubricator Co. ("Detroit," "Genuine Detroit" & Compression), 5938 Trumbull, Detroit, Mich.
Edna Brass Mfg. Co. (Steam, with Union), Cincinnati, O.
Everhart Brass Works (Improved Ball), Scranton, Pa.
Fewlass-Leen Brass & Iron Co., 215 Pike, Cincinnati, Ohio
Hall Mfg. Co., Harrison, N. J.
Hamlin & Emery Brass Co., 49 Island, Boston, Mass.
*Hendrick Mfg. Co., Carbondale, Pa.
Hills McCanna Co. (High Pressure), 2025 Elston av, Chicago, Ill.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Huyette Paul B. Co. ("P. B. H." Quick Opening, Self-Closing, Weighted), 5 S 18th, Phila., Pa.
INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp. C. O., Southport, Conn.
Jenkins Bros., 80 White, New York
See adv index at end of book
JERGUSON GAGE & VALVE CO. (Standard & to Specification), Mystic av & Fellsway, Somerville, Mass.
Kelly & Jones Co., The, Greensburg, Pa.
See adv index at end of book
Kinsey & Mahler Co. (Compression), Peoria, Ill.
Lonergan J. E. Co. (Locomotive, Compression, Weighted, etc), 211 Race, Phila., Pa.
LUNKENHEIMER CO. ("Excelsior"), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
See adv index at end of book
*Magosy & Buscher, 232 Canal, New York
McNab & Harlin Mfg. Co. (Steam), Paterson, N. J.
McRae & Roberts Co., 100 S. Campbell av, Detroit, Mich.
MANNING, MAXWELL & MOORE, INC. (Ashcroft Mfg. Co., Div.), (Locomotives, etc.), 100 E 42nd, New York
See adv index at end of book
Manning, Maxwell & Moore, Inc. (Hancock Inspirator Co. Div.), 100 E 42nd, New York *See adv index at end of book*
Marion Machine, Foundry & Supply Co. ("Alexander"), Marion, Ind.
Marsh Jas. P. & Co., 118 S Clinton, Chicago, Ill.
Michigan Lubricator Co. ("Michigan" Compressor Chain Lever & "Kant Leak"), 3651 Beaubien, Detroit, Mich.
Mushet W. E. Co. (Dlrs.), 700 2nd, San Francisco, Cal.
*Munning & Co. A. P., Matawan, N. J.
NASON MFG. CO. ("Olympus," High Pressure with regrinding removable seat), 71 Fulton, New York
See adv index at end of book
Nathan Mfg. Co. ("Lee's" for Locomotives), 21 E 40th, New York
National Brass Mfg. Co., Rochester, N. Y.
Northern Tool Co. (Safety), Utica, N. Y.
O'Malley-Beare Valve Co. ("Multiplate"), Railway Exchange bldg, Chicago, Ill.
Ohio Brass Co. ("O. B."), Mansfield, O.
Ohio Injector Co., Wadsworth, O.
Peck Bros. & Co., New Haven, Conn.
Perkes Chas. (Est. of), 627 Arch, Phila., Pa.
Pittsburgh Gage & Supply Co. ("Pittsburgh" Rotating & "Gaco" take down), 30th & Liberty av, Pittsburgh, Pa.
Powell Wm. Co. (Ball, Compression, Regrinding & "Bingham" Self-Grinding **Rotating "Mississippi"), 2525 Spring Grove av, Cincinnati, O.**
See adv index at end of book
Pratt & Cady Co. ("P. & C."), Hartford, Conn.
Reliance Gauge Column Co. ("Reliance" Lever Chain), Cleveland, O.
Rich Mfg. Co. ("Hoyt" Self-Closing), 370 Atlantic av, Boston, Mass.
Roberts Brass Mfg. Co., 5435 W Fort, Detroit, Mich.
Schlangen Brothers Co., 2435 Irving Park blvd, Chicago, Ill.
Sherwood Mfg. Co. ("Felthousen," "Buffalo," also Compression), 1709 Elmwood, Buffalo, N. Y.
*Sholes Inc., 186 Lafayette, New York
*Smith & Co. John P., New Haven, Conn.
Standard Brass Works, 2931H Wright, Detroit, Mich.
Star Brass Mfg. Co. ("Hoyt"), 53 Oliver, Boston, Mass.
*Steel Products Mfg. Co., Cicero, Ill.
Sterling & Skinner Mfg. Co., 2672 E Grand blvd, Detroit, Mich.
Swift Lubricator Co., Elmira, N. Y.
*Taylor Disc Co., Mansfield, O.
*Tyler Co. W. S., Cleveland, O.
United States Gauge Co. (Steam Gauge & Syphon), 67 Wall, New York
Walworth Mfg. Co. ("Boston"), 82H Pearl, Boston, Mass.
Williams Gauge Co. ("Williams" Rotating & Regrinding & "Ball Type"), 543 4th av, Pittsburgh, Pa.
Witbonco Mfg. Co., 24 Porter, Boston, Mass.
Wright-Austin Co., 315H Woodbridge W., Detroit, Mich.

2820a— Cocks (Hard Lead)

United Lead Co., 111 B'way, New York

2821— Cocks (Hard Rubber)

American Hard Rubber Co. (For Chemical & Dye Works), 9 Mercer, New York
U. S. Rubber Co., 1790 B'way, New York
See adv index at end of book

Cocks (Hopper)

See Valves, Hopper

2822— Cocks (Hose)

(Names with * also manufacture Monel Metal)
American Brass & Copper Co., 138 Lafayette, New York
*Beckley Perforating Co., Garwood, N. J.
Buckeye Iron & Brass Works, Dayton, O.
*Cleveland Wire Cloth Co., Cleveland, O.
Detroit Brass & Malleable Works (Gas), 1117 Holden, Detroit, Mich.
Haydenville Co., Heydenville, Mass.
Hays Mfg. Co., Erie, Pa.
See adv index at end of book
*Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp. C. O., Southport, Conn.
Knox Mfg. Co., 821 Cherry, Phila., Pa.
Krenz Oscar Copper & Brass Works, 612 Bryant, San Francisco, Cal.
*Magosy & Buscher, 232 Canal, New York
McNab & Harlin Mfg. Co., Paterson, N. J.
McRae & Roberts Co., 100 S. Campbell av, Detroit, Mich.
*Munning & Co. A. P., Matawan, N. J.
Pacific Coast Brass Mfg. Co., 721 E Slawson av, Huntington Park, Los Angeles, Cal.

Pacific Faucet Mfg. Co., 940 E 60th, Los Angeles, Cal.
Roberts Brass Mfg. Co., 5435 W Fort, Detroit, Mich.
*Sholes Inc., 186 Lafayette, New York
*Smith & Co. John P., New Haven, Conn.
Standard Brass & Iron Works (For Brewers, etc), 1820 St. Paul av, Milwaukee, Wis.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co. W. S., Cleveland, O.
Woodhill Brass Co., 2889 Woodhill av, Cleveland, Ohio

2823— Cocks (Hydrant)

American Foundry & Mfg. Co. (Compression & Ground Key), 11th & Hebert, St. Louis, Mo.
Crane Co., 836 S. Michigan av, Chicago, Ill.
See adv index at end of book
Detroit Brass & Malleable Works, 1177 Holden, Detroit, Mich.
Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, O.
HAYS MFG. CO., Erie, Pa.
See adv index at end of book
Kinsey & Mahler Co., Jobbers, Peoria, Ill.
McNab & Harlin Mfg. Co., Paterson, N. J.
McShane Bell Foundry Co. (Compression), Harford av & B. & O. R. R., Baltimore, Md.
Walworth Mfg. Co., 82H Pearl, Boston, Mass.

2823a— Cocks (Hydraulic)

Elmes Charles F Engng. Wks., cor. Fulton & Sangamon, Chicago, Ill.
See adv index at end of book

2824— Cocks (Indicator)

(Names with * also manufacture Monel Metal)
American Lubricator Co. (Three-Way for Engine Cylinders), Summit & Wabash Rv, Detroit, Mich.
*Beckley Perforating Co., Garwood, N. J.
*Cleveland Wire Cloth Co., Cleveland, O.
Hays Mfg. Co., Erie, Pa.
See adv index at end of book
*Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp. C. O., Southport, Conn.
Lonergan J. E. Co. (Three-Way), 211 Race, Phila., Pa.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
*Magosy & Buscher, 232 Canal, New York
McNab & Harlin Mfg. Co., Paterson, N. J.
McRae & Roberts Co., 100 S. Campbell av, Detroit, Mich.
MANNING, MAXWELL & MOORE, INC. (Ashcroft Mfg. Co. Div.), 100 E 42nd, New York *See adv index at end of book*
Michigan Lubricator Co. ("Michigan" Three-Way), 3643 Beaubien, Detroit, Mich.
*Munning & Co. A. P., Matawan, N. J.
Powell Wm. Co. (Dialed for Throttling Gas & Gasoline Engines), 2525 Spring Grove av, Cincinnati, Ohio
See adv index at end of book
Sherwood Mfg. Co. (Three-Way), 1709 Elmwood, Buffalo, N. Y.
*Sholes Inc., 186 Lafayette, New York
*Smith & Co. John P., New Haven, Conn.
Star Brass Mfg. Co. ("Star" Three-Way), 53 Oliver, Boston, Mass.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
Trill Indicator Co. (Straight & Three-Way), Corry, Pa.
*Tyler Co. W. S., Cleveland, O.

2825— Cocks (Inverted Key)

American Fdry. & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Central Brass Mfg. Co., 6206 Cedar, Cleveland, O.
Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, O.
Hays Mfg. Co., Erie, Pa.
See adv index at end of book
Walworth Mfg. Co., 82H Pearl, Boston, Mass.

2826—Cocks (Lead Lined Iron)

Lead Lined Iron Pipe Co., Wakefield, Mass.

2827— Cocks (Liquor)

Best W. N., Inc. ("Calorex" Oil Cocks), 11 B'way, New York
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, O. *See adv index at end of book*
Hall Mfg. Co., Harrison, N. J.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McRae & Roberts Co. (Oil Cocks), 100 S. Campbell av, Detroit, Mich.

2828— Cocks (Locking)

American Fdry. & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
Detroit Brass & Malleable Works, 1177 Holden, Detroit, Mich.
Haydenville Co. (Compression), Haydenville, Mass.
Hayes Mfg. Co. (Wing), Erie, Pa.
See adv index at end of book
Kelly & Jones Co. (The), Greensburg, Pa.
See adv index at end of book
Landers, Frary & Clark, New Britain, Conn.
LUNKENHEIMER CO. Executive offices & factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Wilton Mfg. Co. ("Wilton"), Wrightsville, Pa.

Cocks (Locomotive Cylinder)

See Cocks, Cylinder

2829— Cocks (Milk Can)

(Names with * also manufacture Monel Metal)
*Beckley Perforating Co., Garwood, N. J.
Creamery Package Mfg. Co., 61 W Kinzie, Chicago, Ill.
*Cleveland Wire Cloth Co., Cleveland, O.
Hall Mfg. Co., Harrison, N. J.
Haydenville Co., Haydenville, Mass.
*Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp. C. O., Southport, Conn.
Landers, Frary & Clark, New Britain, Conn.
*Magosy & Buscher, 232 Canal, New York
*Munning & Co. A. P., Matawan, N. J.
National Brass Mfg. Co., Rochester, N. Y.
*Sholes Inc., 186 Lafayette, New York
*Smith & Co. John P., New Haven, Conn.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co. W. S., Cleveland, O.

2830— Cocks (Natural Gas)

American Fdry. & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Buckeye Iron & Brass Works, Dayton, O.
Crane Co., 836 S. Michigan av., Chicago, Ill. *See adv index at end of book*
Detroit Brass & Malleable Works, 1177 Holden, Detroit, Mich.
Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, O.
Hays Mfg Co., Erie, Pa.
See adv index at end of book
Kelly & Jones Co., The, Greensburg, Pa.
See adv index at end of book
LUNKENHEIMER CO. Executive offices & factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McRae & Roberts Co., 100 S. Campbell av, Detroit, Mich.
Pitts & Kitts Mfg. & Supply Co., 52H Park Place, New York

2831—Cocks (Newport Pattern)

Central Brass Mfg. Co., 6206 Cedar, Cleveland, O.
Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, O.
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
See adv index at end of book
Kelly & Jones Co., The, Greensburg, Pa.
See adv index at end of book
McNab & Harlin Mfg. Co., Paterson, N. J.
Mueller Co., Decatur, Ill.
Stebbins E. Mfg. Co., Springfield, Mass.
Walworth Mfg. Co. ("Boston"), 82H Pearl, Boston, Mass.

Cocks (Oil)

See Cocks, Liquor

2832— Cocks (Oil Wagon)

(Names with * also manufacture Monel Metal)
*Beckley Perforating Co., Garwood, N. J.
*Cleveland Wire Cloth Co., Cleveland, O.
Detroit Brass & Malleable Works, 1177 Holden, Detroit, Mich.
Garratt W. T. & Co., 299H Fremont, San Francisco, Cal.
Haydenville Co., Haydenville, Mass.
*Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp. C. O., Southport, Conn.
*Magosy & Buscher, 232 Canal, New York
*Munning & Co. A. P., Matawan, N. J.
National Brass Mfg. Co., Rochester, N. Y.
Powell Wm. Co., 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book
*Sholes Inc., 186 Lafayette, New York
*Smith & Co. John P., New Haven, Conn.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co. W. S., Cleveland, O.
Wilton Mfg. Co., Wrightsville, Pa.

2833— Cocks (Plug)

(Names with * also manufacture Monel Metal)
Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
*Beckley Perforating Co., Garwood, N. J.
Best W. N., Inc. ("Calorex"), 11 B'way, New York
*Cleveland Wire Cloth Co., Cleveland, O.
Detroit Brass & Malleable Works, 1177 Holden, Detroit, Mich.
Eastwood Wire Mfg. Co. (Bronze), Belleville, N. J.
Garratt W. T. & Co., 299H Fremont, San Francisco, Cal.
Golden-Anderson Valve Specialty Co. ("Anderson"), Fulton bldg, Pittsburgh, Pa.
Harris Pump & Supply Co., 318 Second av, Pittsburgh, Pa.
See adv index at end of book
HAYS MFG. CO., Erie, Pa.
See adv index at end of book
*Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp. C. O., Southport, Conn.
Judson Governor Co. (Asbestos Packed, Iron, Brass or Aluminum), Rochester, N. Y.
Kelly & Jones Co., The, Greensburg, Pa.
See adv index at end of book
Krenz Oscar Copper & Brass Works, 612 Bryant, San Francisco, Cal.
LUNKENHEIMER CO. (Packed), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
See adv index at end of book
*Magosy & Buscher, 232 Canal, New York
McNab & Harlin Mfg. Co., Paterson, N. J.
McRae & Roberts Co., 100 S. Campbell av, Detroit, Mich.
Merrill Co., 121 2nd, San Francisco, Cal.
*Munning & Co. A. P., Matawan, N. J.
Pacific Foundry Co., 18th & Harrison, San Francisco, Cal.
Pratt & Cady Co. ("P & C," Asbestos Packed), Hartford, Conn.
*Sholes Inc., 186 Lafayette, New York
*Smith & Co. John P., New Haven, Conn.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co. W. S., Cleveland, O.
Victory Mfg. Co., Niles, Cal.
Watson, Frye Co., Ltd. (Acid Proof), Bath, Me.
*Wright Machine Works, 227 High, Newark, N. J.

Cocks (Priming)

See Cups, Priming

2834— Cocks (Refrigerator)

Haydenville Co., Haydenville, Mass.
Landers, Frary & Clark, New Britain, Conn.
National Brass Mfg. Co., Rochester, N. Y.
Peck Bros. & Co., New Haven, Conn.

2835— Cocks (Relief)

LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McRae & Roberts Co., 100 S. Campbell av, Detroit, Mich.
Powell, Wm. Co., 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Pratt & Cady Co. ("P & C," Asbestos Packed), Hartford, Conn.
Roberts Brass Mfg. Co., 1395 W Fort, Detroit, Mich.

2836—Cocks (Rock Drill Air)

Kelly & Jones Co., The, Greensburg, Pa.
See adv index at end of book
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*

2836a— Cocks (Rubber)

India Rubber Co., New Brunswick, N. J.

2837— Cocks (Ship)

Bishop's Wm. Sons, 18 James, New York
Laughlin Thos. Co., 135 Fore, Portland Me.
See adv index at end of book
Sands Alfred B. & Son Co., 20 Vesey, New York
Williams & Wells Co., 253 Fulton, New York *See adv index at end of book*

2838—Cocks (Soda Fountain)

Hall Mfg. Co., Harrison, N. J.
Northwestern Copper & Brass Works, 59 W 3d, St. Paul, Minn.
U. S. Faucet Co., 1155 Mission, San Francisco, Cal.

2839— Cocks (Spring Key)

Detroit Brass & Malleable Works, 1177 Holden, Detroit, Mich.
Detroit Lubricator Co. ("Detroit," "Genuine Detroit"), 5938 Trumbull, Detroit, Mich.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Sanitary Co. (Stop), Dept. H, Linfield, Pa.

2840— Cocks (Steam)

(Names with * also manufacture Monel Metal)
*Beckley Perforating Co., Garwood, N. J.
Belfield H. Co., 435 N Broad, Phila., Pa.
Bordo L. J. Co., 12th & Thompson, Phila., Pa.
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, O. *See adv index at end of book*
Chandler Boyd Supply Co. ("C.-B.," Dirs.), 47 Terminal Way, Pittsburgh, Pa.
*Cleveland Wire Cloth Co., Cleveland, O.
Continental Supply Co., Post Dispatch bldg, St. Louis, Mo.
Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Detroit Brass & Malleable Works, 1117 Holden, Detroit, Mich.
Eastwood Wire Mfg. Co., Belleville, N. J.
Everhart Brass Works, 422-424 Penn av, Scranton, Pa.
Fewlass-Leen Brass & Iron Co., 610 E. Front, Cincinnati, O.
Garratt W. T. & Co., 299H Fremont, San Francisco, Cal.
Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, O.
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
Hamlin & Emery Brass Co., 49 Island, Boston, Mass.
Harris Pump & Supply Co., 318 Second av, Pittsburgh, Pa.
See adv index at end of book
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
See adv index at end of book
Healey Peter, 201L 1st, Evansville, Ind.
*Hendrick Mfg. Co., Carbondale, Pa.
Hoffmann & Billings Mfg. Co., 100 2nd, Milwaukee, Wis.
Homestead Valve Mfg. Co., Homestead, Pa.
See adv index at end of book
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp. C. O., Southport, Conn.
Judson Governor Co. (Asbestos Packed), Rochester, N. Y.
Kelly & Jones Co., The, Greensburg, Pa.
See adv index at end of book
Kinsey & Mahler Co. ("K. & M. Co.," Brass), Peoria, Ill.
Krenz Oscar Copper & Brass Works, 612 Bryant, San Francisco, Cal.
Lamp & Miller Mfg. Co., 382 4th, Milwaukee, Wis.
Larkin, J. K. & Co., 253 B'way, New York
See adv index at end of book
Lonergan J. E. Co., 211 Race, Phila., Pa.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
*Magosy & Buscher, 232 Canal, New York
McCambridge Co., 315 N 20th, Phila., Pa.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
McMANN & TAYLOR CO., 104 John, New York *See adv index at end of book*
McNab & Harlin Mfg. Co. (Brass & Iron), Paterson, N. J.
McRae & Roberts Co., 100 S. Campbell av, Detroit, Mich.
Mueller Co., Decatur, Ill.
*Munning & Co. A. P., Matawan, N. J.
Nason Mfg. Co., 71 Fulton, New York
See adv index at end of book
Nichol Thos. J. & Co., Pearl & Ludlow, Cincinnati, O.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Peck Bros. & Co., New Haven, Conn.
Perkes Charles (Est. of), 627 Arch, Phila., Pa.
Pittsburgh Brass Mfg. Co., Penn & 32nd, Pittsburgh, Pa.
Powell Wm. Co. ("Powell Patent Guard," Plain, Three-Way, Light & Heavy Patterns), **2525 Spring Grove av., Cincinnati, O.** *See adv index at end of book*
Pratt & Cady Co. ("P. & C.," Asbestos Packed), Hartford, Conn.
Roberts Brass Mfg. Co., 5435 W Fort, Detroit, Mich.
*Sholes Inc., 186 Lafayette, New York
SIMMONS JOHN CO., 110 Centre, New York *See adv index at end of book*
*Smith & Co. John P., New Haven, Conn.
Standard Brass Works, 97 Wight, Detroit, Mich.
Star Brass Works, 804 1st av S, Seattle, Wash.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co. W. S., Cleveland, O.
Walworth Mfg. Co., 82H Pearl, Boston, Mass.
Weir & Craig Mfg. Co., 6316 Wentworth av, Chicago, Ill.

2841—Cocks (Stop & Waste)

American Brass Mfg. Co., 1521 E 49th, Cleveland, O.
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Apex Brass Mfg. Co., 3063 E 61st, Cleveland, Ohio
Asbell S. J. Co., Paterson, N. J.
Bashlin Co. (Compression & Self-Closing Hop Cocks Only), Warren, Pa.
Belknap Mfg. Co. (Draw-off), 800 Main av, Bridgeport, Conn.
Buckeye Iron & Brass Works, Dayton, O.
Central Brass Mfg. Co., 6206 Cedar av S E, Cleveland, O.
Cleveland Brass Mfg. Co. ("Clebra" Anti-Freezing), 4606 Hamilton, Cleveland, O.
Cooper Sanitary Mfg. Co., 34th & Chestnut, Phila., Pa.
CRANE CO., 836 Michigan av, Chicago, Ill.
See adv index at end of book
Detroit Brass & Malleable Works, 1117 Holden, Detroit, Mich.
Edwardsville Brass Co., Edwardsville, Ill.
Eimer & Amend ("E. & A." Mercury Sealed), 205 E 18th, New York
Empire Brass Mfg. Co., 10301 Berea rd, Cleveland, O.
Exeter Brass Works, Exeter, N. H.
Farnan Brass Works Co., 1105 Center, N W. Cleveland, O
Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, O.
Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
Hamilton Jno. Brass Works, 152 Middl., Bridgeport, Conn.
Hamlin & Emery Brass Co. ("Newport" & "Fitchburg"), 49 Island, Boston, Mass.
Haydenville Co., Haydenville, Mass.
See adv index at end of book
Hays Mfg. Co., Erie, Pa.
Healey Peter, 201L 1st, Evansville, Ind.
Hoffmann & Billings Mfg. Co., 100 2nd, Milwaukee, Wis.
Jones Jas Co., 201 Leroy, Los Angeles, Cal.
Jost's Edmunds Sons., 58 1st, Newark, N. J.
Kelly Thos. & Bros. ("Kelly"), 3424 W Lake, Chicago, Ill.
Kelly & Jones Co. The ("Universal"), Greensburg, Pa.
See adv index at end of book
Kinsey & Mahler Co., Peoria, Ill.
Kitson Hydro-Carbon Heating & Incandescent Lighting Co. ("Kitson" Compression, etc.), 2819 Oakford, Phila., Pa.
Knox Mfg. Co. (Pneumatic Hose Stop Cocks), 821 Cherry, Phila., Pa.
Krenz Oscar Copper & Brass Works, 612 Bryant, San Francisco, Cal.
Kupferle Jno. C. Foundry Co., 1st & Wright, St. Louis, Mo.
Lamp & Miller Mfg. Co., 382 4th, Milwaukee, Wis.
Landers, Frary & Clark ("Simplex"), New Britain, Conn.
Lead Lined Iron Pipe Co. (Lead Lined Iron), Wakefield, Mass.
LUNKENHEIMER CO. (Stop Only), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
See adv index at end of book
McDonald A. Y. Mfg. Co., Dubuque, Ia.
McMann & Taylor Co., 104 John, New York
See adv index at end of book
McNab & Harlin Mfg. Co., Paterson, N. J.
McRae & Roberts Co., 100 S. Campbell av, Detroit, Mich.
McShane Bell Foundry Co. (Compression), Harford av & B. & O. R. R., Baltimore, Md.
Meyer-Sniffen Co., 11 W 48th, New York
Milwaukee Brass Mfg. Co. (Fuller & Compression), 251 Lapham, Milwaukee, Wis.
Mott J. L. Iron Works, Trenton, N. J.
Mueller Co., Decatur, Ill.
Nelson N. O. Mfg. Co. (Compression), 10th & Chestnut, St. Louis, Mo.
Nichol Thos. J. & Co., Pearl & Ludlow, Cincinnati, O.
Pacific Coast Brass & Mfg. Co., 721 E Slauson av, Huntington Park, Cal.
Park & McKay, 55 Bagley av, Detroit, Mich.
Peck Bros. & Co., New Haven, Conn.
Perkes Chas. (Est. of), 627 Arch, Phila., Pa.
Pioneer Alloy Products Co., Inc., 16601 Euclid av, Cleveland, Ohio
Pioneer Brass Works, 1102 E 23rd, Indianapolis, Ind.
Powell Wm. Co., 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Prier Brass Mfg. Co. ("Standard"), 15 & Blue River, Kansas City, Mo.
Richter Brass Co., 210 E 9th, Cincinnati, Ohio
Rockford Brass Works, Rockford, Ill.
Rundle-Spence Mfg. Co., 63 2nd, Milwaukee, Wis.
Ryan J. J. & Co., 100 S Jefferson, Chicago, Ill.
Savill's Thos. Sons, 1310 Wallace, Phila., Pa.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Stebbins E. Mfg. Co., Springfield, Mass.
Union Brass & Metal Mfg. Co., Lawson & Mackubin, St. Paul, Minn.
United Brass Mfg. Co., 3844 Hamilton av, Cleveland, O.
Utica Valve & Fixture Co., Utica, N. Y.
Vulcan Brass Mfg. Co., 9110 Woodland av, Cleveland, O.
Walworth Mfg. Co., Boston, Mass.
Webb F. W. Mfg. Co., 56 Elm, Boston, Mass.
Weir & Craig Mfg. Co., 6316 Wentworth av, Chicago, Ill.
Western Brass Mfg. Works, Marshall blvd & W. 21st, Chicago, Ill.
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.
Zero Valve & Brass Mfg. Co., 643 4th, Buffalo, N. Y.

2842— Cocks (Three-Way)

Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, O. *See adv index at end of book*
Crane Co., 836 S. Michigan av, Chicago, Ill.
See adv index at end of book
Detroit Brass & Malleable Works, 1177 Holden, Detroit, Mich.
Garratt W. T. & Co., 299H Fremont, San Francisco, Cal.
Hays Mfg. Co., Erie, Pa.
See adv index at end of book
Homestead Valve Mfg. Co., Homestead, Pa.
See adv index at end of book
Jones Jas Co., 201 Leroy, Los Angeles, Cal.
Judson Governor Co. (Asbestos Packed), Rochester, N. Y.
Kelly & Jones Co., The, Greensburg, Pa.
See adv index at end of book
Krenz Oscar Copper & Brass Works, 612 Bryant, San Francisco, Cal.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Merrill Co., 121 2nd, San Francisco, Cal.
Michigan Lubricator Co., 3643 Beaubien, Detroit, Mich.
Mott J. L. Iron Wks., Trenton, N. J.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. RR., Pittsburgh, Pa.
Pratt & Cady Co. ("P. & C." Asbestos Packed), Hartford, Conn.
Standard Brass & Iron Works (Male or Female Connections), 1320 St. Paul av, Milwaukee, Wis.
Star Brass Mfg. Co. ("Star" For Indicator Use), 53 Oliver, Boston, Mass.
Trill Indicator Co. (Indicator), Corry, Pa.

2843— Cocks (Throttle)

Homestead Valve Mfg. Co., Homestead, Pa.
See adv index at end of book
LUNKENHEIMER CO. (Oil-Air), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
See adv index at end of book

2844—Cocks (Traction Engine)

LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McRae & Roberts Co. (Cylinder), 100 S. Campbell av, Detroit, Mich.

2845— Cocks (Tuyere)

Kelly & Jones Co., The, Greensburg, Pa.
See adv index at end of book
Lawrenceville Bronze Co. ("Zelco"), Bessemer bldg, Pittsburgh, Pa.
Pittsburgh Piping & Equipment Co., 35th & Charlotte, Pittsburgh, Pa.
Pittsburgh Valve Foundry & Construction Co. ("Atwood" Brass Cast), 26th & A. V. R. R., Pittsburgh, Pa.

2846— Cocks (Worm & Gear)

Judson Governor Co., Rochester, N. Y.
Pratt & Cady Co. ("P. & C."), Hartford, Conn.

2847—Cocks & Bibbs (Compression)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Apex Brass Mfg. Co., 3063 E 61st, Cleveland, Ohio
Bashlin Co., Warren, Pa.
Bay State Brass Co., Haydenville, Mass.
Burlington Brass Works, Burlington, Wis.
Central Brass Mfg. Co. ("Quick Pression" Faucets), 6206 Cedar av, S E, Cleveland, O.
Clark Cadle Harmon Corp., Rochester, N. Y.
Cleveland Brass Mfg. Co. ("Clebra"), 4606 Hamilton, Cleveland, O.
Clow Jas. B. & Sons, Franklin & Harrison, Chicago, Ill.
Cooper Sanitary Mfg. Co., 34th & Chestnut, Phila., Pa.
CRANE CO., 836 Michigan av., Chicago, Ill.
See adv index at end of book
Dalton-Ingersoll Mfg. Co., 365 Atlantic av, Boston, Mass.
Dearborn Brass Co., Cedar Rapids, Ia.
Detroit Lubricator Co. ("Detroit"), Detroit, Mich.
Dick Bros., Reading Pa.
DuBois F. N. & Co., 247 9th av, New York
Edwardsville Brass Co., Edwardsville, Ill.
Eichman J. C. Mfg. Co., Bush & Wicomico, Baltimore, Md.
Elgin Brass Co., 21 Park Row, New York
Empire Brass Mfg. Co. (Regular & Quick Compression), 10301 Berea rd, Cleveland, O.
Enterprise Hdwre. Mfg. Co., Frederick, Pa.
Exeter Brass Works, Exeter, N. H.

Farnan Brass Works Co., 1105 Center, N W, Cleveland, O.
Federal-Huber Co., 234 N Halsted, Chicago, Ill.
Garratt W. T. & Co., 299H Fremont, San Francisco, Cal.
Gibson Bros. Mfg. Co., North Chicago, Ill.
Glauber Brass Mfg. Co., 79th & Platt, av, Cleveland, O.
Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
Hamilton Jno. Brass Works, 152 Middl., Bridgeport, Conn.
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co. (Quick Opening, Basin & Bath Cocks, Also Bibbs), Erie, Pa.
See adv index at end of book
Healey Peter, 201L 1st, Evansville, Ind.
Hoffmann Billings Mfg. Co., 100 2d, Milwaukee, Wis.
Humphryes Mfg. Co., Mansfield, O.
Jones Jas Co., 201 Leroy, Los Angeles, Cal.
Judson Governor Co., Rochester, N. Y.
Kelly & Jones Co., The, Greensburg, Pa.
See adv index at end of book
Krenz Oscar Copper & Brass Works, 612 Bryant, San Francisco, Cal.
Lamp & Miller Mfg. Co., 382 4th, Milwaukee, Wis.
Landers, Frary & Clark, New Britain, Conn.
Leader Brass Foundry & Mfg. Co., 3302 Jennings Road, Cleveland, Ohio
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. ***See adv index at end of book***
McCambridge Co., 315 N 20th, Phila., Pa.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
McMann & Taylor Co., 104 John, New York
See ad index at end of book
McNab & Harlin Mfg. Co., Paterson, N. J.
McRae & Roberts Co., 100 S. Campbell av, Detroit, Mich.
McShane Bell Foundry Co. ("McShane" Red Metal), Harford av & B. & O. R. R., Baltimore, Md.
Meyer-Sniffen Co., 11 W 48th, New York
Milwaukee Brass Mfg. Co., 251 Lapham, Milwaukee, Wis.
Mueller Co., Decatur, Ill.
Nelson N. O. Mfg. Co., 10th & Chestnut, St. Louis, Mo.
Nopack Brass Mfg. Co. ("Nopack"), Dubois, Pa.
Pacific Coast Brass Mfg. Co., 721 E Slawson av, Huntington Park, Los Angeles, Cal.
Pacific Faucet Mfg. Co., 940 E 60th, Los Angeles, Cal.
Peck Bros. & Co., New Haven, Conn.
Perkes Chas. (Est. of), 627 Arch, Phila., Pa.
Pioneer Alloy Products Co., Inc., 16601 Euclid av, Cleveland, Ohio
Prier Brass Mfg. Co., 15th & Blue River, Kansas City, Mo.
Roberts Brass Mfg. Co., 5435 W Fort, Detroit, Mich.
Rundle Mfg. Co., 27th & Wahl, Milwaukee, Wis.
Ryan J. J. & Co., 100 S Jefferson, Chicago, Ill.
Savill's Thomas Sons, 1310 Wallace, Phila., Pa.
Schwander Brass Mfg. Co., 823 N 8th, St. Louis, Mo.
Sherman H. B. Mfg. Co., Battle Creek, Mich.
Speakman Co., Wilmington, Del.
Standard Brass Casting Co. ("Bear Brand"), Dept. H, 3rd & Jefferson, Oakland, Cal.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Stebbins E. Mfg. Co. ("Esco"), Springfield, Mass.
Sterling Brass Co., 9600 St. Catherine, Cleveland, O.
Street & Kent Mfg. Co., 549 Fulton, Chicago, Ill.
Union Brass & Metal Mfg. Co., Lawson & **Mackubin, St. Paul, Minn.**
Walworth Mfg. Co., Boston, Mass.
Weiskittel A. & Son Co., 12th & E Lambard, Baltimore, Md.
Western Brass Mfg. Works, Marshall blvd & W 21st, Chicago, Ill.
Wolff Mfg. Co. (Quick), 255 N. Hoyne av, Chicago, Ill.
Woodhill Brass Co., 2889 Woodhill av, Cleveland, Ohio

2848—Cocks & Bibbs (Fuller Work)

Burlington Brass Works, Burlington, Wis.
California Brass Mfg. Co., 1414 N Main, Los Angeles, Cal.
Clow Jas. B. & Sons, S. Franklin & Harrison, Chicago, Ill.
Cooper Sanitary Mfg. Co., 24th & Chestnut, Phila. Pa.
Dearborn Brass Co., Cedar Rapids, Ia.
Edwardsville Brass Co., Edwardsville, Ill.
Exeter Brass Works, Exeter, N. H.
Federal-Huber Co., 234 N Halsted, Chicago, Ill.
Gibson Bros. Mfg. Co., North Chicago, Ill.
Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, O.
Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
Haydenville Co., Haydenville, Mass.
Hoffmann & Billings Mfg. Co., 100 2d, Milwaukee, Wis.
Lamp & Miller Mfg. Co., 382 4th, Milwaukee, Wis.
Landers, Frary & Clark, New Britain, Conn.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
Meyer-Sniffen Co., 11 W 48th, New York
Milwaukee Brass Mfg. Co., 251 Lapham, Milwaukee, Wis.
Milwaukee Valve Co., 139 Burrell, Milwaukee, Wis.
Mueller Co., Decatur, Ill.
Nelson N. O. Mfg. Co., 10th & Chestnut, St. Louis, Mo.
Pacific Faucet Mfg. Co., 940 E 60th, Los Angeles, Cal.
Peck Bros. & Co., New Haven, Conn.
Rundle Mfg. Co., 27th & Wahl, Milwaukee, Wis.
Ryan J. J. & Co. ("Faultless"), 100 S Jefferson, Chicago, Ill.
Schwander Brass Mfg. Co., 823 N 8th, St. Louis, Mo.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Stebbins E. Mfg. Co., Springfield, Mass.
Street & Kent Mfg. Co., 549 Fulton, Chicago, Ill.
Union Brass & Metal Mfg. Co., Lawson & Mackubin, St. Paul, Minn.
Western Brass Mfg. Works, Marshall blvd & W 21st, Chicago, Ill.
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.

2849—Cocks & Bibbs (Ground Key)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Apex Brass Mfg. Co., 3063 E 61st, Cleveland, Ohio
Asbell S. J. Co., Paterson, N. J.
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, O. *See adv index at end of book*
Claus Automatic Gas Cock Co., Becker & Booth, Milwaukee, Wis.
Cleveland Brass Mfg. Co. (Cocks Only, "Clebra"), 4606 Hamilton, Cleveland, Ohio
Detroit Brass & Malleable Works, 1117 Holden, Detroit, Mich.
Exeter Brass Works, Exeter, N. H.
Farnan Brass Works Co., 1105 Center, N W, Cleveland, O.
Federal-Huber Co., 234 N Halstead, Chicago, Ill.
Gibson Bros. Mfg. Co., North Chicago, Ill.
Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, O.
Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
Hall Mfg. Co., Harrison, N. J.
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
See adv index at end of book
Healey Peter, 201L 1st, Evansville, Ind.
Hoffmann & Billings Mfg. Co., 100 2d Milwaukee, Wis.
Jost's Edmund Sons, 58 1st, Newark, N. J
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Keystone Brass Co., Erie, Pa.
Kinsey & Mahler Co., Peoria, Ill.
Kitson Co. (Kitson), 2815-2827 Oakford Phila., Pa.
Krenz Oscar Copper & Brass Works, 61 Bryant, San Francisco, Cal.
Lamp & Miller Mfg. Co., 382 4th, Milwaukee, Wis.
Landers, Frary & Clark, New Britain Conn.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly Cincinnati, O. *See adv index at end of book*
McDonald A. Y. Mfg. Co., Dubuque, Ia.
McNab & Harlin Mfg. Co., Paterson, N. J.
McRAE & ROBERTS CO., 100 S. Campbell av, Detroit, Mich.
Meyer-Sniffen Co., 11 W 48th, New York
Mott J. L. Iron Works, Trenton, N. J.
Mueller H. Mfg. Co., Decatur, Ill.
See adv index at end of book
National Brass Mfg. Co. ("National"), Rochester, N. Y.
Nichol Thomas J. & Co., Pearl & Ludlow, Cincinnati, O.
Pacific Coast Brass Mfg. Co., 721 E Slawson av, Huntington Park, Los Angeles, Cal.
Pacific Faucet Mfg. Co., 940 E 60th, Los Angeles, Cal.
Peck Bros. & Co., New Haven, Conn.
Powell Wm. Co., 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Rundle-Spence Mfg. Co., 63 2d, Milwaukee, Wis.
Savill's Thos. Sons, 1310 Wallace, Phila., Pa.
Schwander Brass Mfg. Co., 823 N 8th, St. Louis, Mo.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Stebbins E. Mfg. Co., Springfield, Mass.
Union Brass & Metal Mfg. Co., Lawson & Mackubin, St. Paul, Minn.
Walworth Mfg. Co., Boston, Mass.
Webb F. W. Mfg. Co., 56 Elm, Boston, Mass.
Western Brass Mfg. Works, Marshall blvd & W 21st, Chicago, Ill.
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.

2850—Cocks & Bibbs (Self-Closing)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Bashlin Co., Warren, Pa.
Brookside Brass Fdry & Mfg. Co., 2315 Selzer av, S. W. Cleveland, O.
Capitol Brass Works, 2306 Franklin, Detroit, Mich.
Century Brass Works, Inc., 900 N. Illinois, Belleville, Ill.
Chicago Faucet Co. ("Chi-Fau-Co." Quick Compression), 2712 N Crawford av, Chicago, Ill.
Clow Jas. B. & Sons, Franklin & Harrison, Chicago, Ill.
Dalton-Ingersoll Mfg. Co., 365 Atlantic av, Boston, Mass.
Dayton Mfg. Co., Dayton, O.
Dearborn Brass Co., Cedar Rapids, Ia.
DuBois F N & Co., 247 9th av, New York
Empire Brass Mfg. Co., 10301 Berea rd, Cleveland, O.
Exeter Brass Works, Exeter, N. H.
Federal-Huber Co. ("Perry," "Continental"), 234 N Halsted, Chicago, Ill.
Gibson Bros. Mfg. Co., No. Chicago, Ill.
Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, O.
Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
Hoffmann & Billings Mfg. Co., 100 2d, Milwaukee, Wis.
Kelly Thos. & Bros., 3424 W Lake, Chicago, Ill.
Lamp & Miller Mfg. Co., 382 4th, Milwaukee, Wis.
Leader Brass Foundry & Mfg. Co., 3302 Jennings rd, Cleveland, Ohio
Loeffelholz Co., 170 Clinton, Milwaukee, Wis.
McCambridge Co., 315 N 20th, Phila., Pa.
McShane Bell Foundry Co., Harford av, & B. & O. R. R., Baltimore, Md.
Meyer-Sniffen Co., 11 W 48th, New York
Michigan Lubricator Co., 3643 Beaubien, Detroit, Mich.
Milwaukee Brass Mfg. Co. ("Engel," "Peerless," "Telegraph"), 251 Lapham, Milwaukee, Wis.
Milwaukee Valve Co., 139 Burrell, Milwaukee, Wis.
Mueller Co., Decatur, Ill.
Pacific Faucet Mfg. Co., 940 E 60th, Los Angeles, Cal.
Peck Bros. & Co. ("Moore's" "Dougherty," "Boston"), New Haven, Conn.
Perkes Chas. (Est. of), 627 Arch, Phila., Pa.
Prier Brass Mfg. Co., 15 & Blue River, Kansas City, Mo.
Rundle-Spence Mfg. Co. ("Telegraph"), 63 2nd, Milwaukee, Wis.
Ryan J. J. & Co., 100 S Jefferson, Chicago, Ill.
Saville's Thos. Sons, 1310 Wallace, Phila., Pa.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Stebbins E. Mfg. Co. ("Broughton"), Springfield, Mass.
Street & Kent Mfg. Co., 549 Fulton, Chicago, Ill.
Titusville Machine & Foundry Co., Titusville, Pa.
Vulcan Brass Mfg. Co., 9110 Woodland av, Cleveland, O.
Walsh Richard, 233 W Larned, Detroit, Mich.
Western Brass Mfg. Works, Marshall blvd & W 21st, Chicago, Ill.
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.

2850a—Cocoanut Oil Cake & Meal

California Cotton Oil Co. ("Calico"), 2301 E 52d, Los Angeles, Cal.
El Dorado Oil Works, 210 California, San Francisco, Cal.
Globe Cotton Oil Mills, 907 E 3d, Los Angeles, Cal.
Pacific Oil & Lead Works, 155 Townsend, San Francisco, Cal.
Portland Vegetable Oil Mills Co., Wilcox bldg, Portland, Ore.
Vegetable Oil Corp., 244 Kearny, San Francisco, Cal.

2850b— Codeine

Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park pl, New York
N. Y. Quinine & Chemical Wks., 152 William, New York
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.

2850c— Coffins, Caskets, etc.

See also Burial Cases & Vaults

Albany Casket Co., Albany, N. Y.
Andrews Isaac W. & Sons, South Woodstock, Me.
Arkansas Coffin Co., South Fort Smith, Ark.
Asbestos Burial Casket Co., Lowville, N. Y.
Ashton Casket Co., Easton, Pa.
Astoria Casket Co., 16 Chestnut, Long Island City, N. Y.
Atlanta Casket Co., Atlanta, Ga.
Atlantic Coffin & Casket Co., Rosehill, N. C.
Aurora Coffin Co., Aurora, Ind.
Bangor Casket Mfg. Co. (Hardwood & Overboxes), Bangor, Pa.
Batesville Casket Co. (Cloth & Hardwood), Batesville, Ind.
Belmont Casket Mfg. Co., Columbus, O.
Boston Burial Case Co., Somerville, Mass.
Boyertown Burial Casket Co. (Wood, Metal Finish & Covered), Boyertown, Pa.
Bristol Coffin & Casket Co., Bristol, Va.

(Continued on following page)

Coffins, Caskets, etc.—Continued

Bristol Mfg. Co., Bristol, Vt.
Broussard Casket & Mfg. Co., New Iberia, La.
Brunswick Furniture Co., Brunswick, Md.
Buckingham N. & Co., 181 State, Bridgeport, Conn.
Buckstaff Co., Oshkosh, Wis.
Burlington Coffin Co., Burlington, N. C.
Cadillac Casket Co., 360 Wabash, W Detroit, Mich.
California Casket Co., 959 Mission, San Francisco, Cal.
Cambridge City Casket Co. (Cloth Covered), Cambridge City, Ind.
Capital City Casket Co., Sacramento, Cal.
Casket Interment Box Co., 4854 N Clark, Chicago, Ill.
Central Casket Co., 317 Franklin, Buffalo, N. Y.
Charlotte Casket Co., Charlotte, N. C.
Chattanooga Coffin & Casket Co., (Varnished Coffins & Varnished Cloth Covered Caskets), Chattanooga, Tenn.
Chicago Casket Co. (Metallic, Oak, Mahogany & Cloth Covered), 932 N Wash. bldg, Chicago, Ill.
Clark Mfg. Co., 46 Mathewson, Providence, R. I.
Clarksburg Casket Co., Clarksburg, W. Va.
Cleveland Burial Case Co., 2274 St. Clair av, N E, Cleveland, O.
Cleveland Coffin & Casket Co. (Wood), Cleveland, Tenn.
Columbus Coffin Co. (Hard Wood & Cloth Covered Caskets), Columbus, O.
Constantine Casket Co., Constantine, Mich.
Coopersburg Casket Co., Coopersburg, Pa.
Crane & Breed Mfg. Co. (Wood, Cloth & Metallic), 1227 W 8th, Cincinnati, O.
Crawfordsville Casket Co., Crawfordsville, Ind.
Cream City Casket Co., 490 32d, Milwaukee, Wis.
Curtis Jas. C. & Co., 1222 W Van Buren, Chicago, Ill.
Dallas Coffin Co., Dallas, Texas
Dayton Casket Co., Dayton, O.
Decatur Coffin Co., Decatur, Ill.
Des Moines Casket Co. (Cloth Covered, Oak & Mahogany), Des Moines, Ia.
Detroit Casket Co., 135 Congress W, Detroit, Mich.
Drake-Merritt Casket Co., Constantine, Mich.
Dubuque Casket Co., Dubuque, Ia.
Eastern Casket Co., 421 W Camden, Baltimore, Md.
Elmira Casket Co., Elmira, N. Y.
Embalming Burial Case Co. ("Every Body's Choice Clover Line"), Burlington, Iowa
Evansville Coffin Co., Evansville, Ind.
Fergus Casket Works, Fergus Falls, Minn.
Flood Edward F. & Co., 24 Essex, Newark, N. J.
Florence Furniture Co., Florence, Mass.
Fold Easy House Mfg. Co. (Cloth Covered & Varnished), Elmira, N. Y.
Franklin Coffin Works, 1326 Sycamore, Cincinnati, O.
Freedom Casket Co., Freedom, Pa.
Gainesville Planing & Coffin Co., Gainesville, Fla.
Gate City Coffin Co., Atlanta, Ga.
Globe Casket Mfg. Co., Kalamazoo, Mich.
Grade Casket Co. (Cloth & Plush Covered), 734 E 17th, Los Angeles, Cal.
Grand Rapids Casket Co., Grand Rapids, Mich.
Great Northern Casket Co., 4th & Clay, Portland, Ore.
Greive Mfg. Co. (Composition & Fabricoid Covered), 142 E 57th, Los Angeles, Cal.
Hall & Donahue Coffin Co., 303 Market, Knoxville, Tenn.
Hartford Burial Case Co., 29 Allyn, Hartford, Conn.
Hastings Casket Mfg. Co., Hastings, Minn.
Hay & Peabody Casket Co. (Cloth Covered), Woodford's Station, Portland, Me.
Hazleton Mfg. Co. (Oak, Mahogany & Cedar Caskets), Hazleton, Pa.
Hearne Bros. & Co., Whitakers, N. C.
Hill F. H. Co. (Cloth Covered Caskets), 944 Washington blvd, Chicago, Ill.
Hincks Jos. L. S., Oldtown, Me.
Hornthal & Co. (Oak, Mahogany, Chestnut & Cloth Covered Caskets), 1339 S Wabash av, Chicago, Ill.
Huntsville Coffin Co., Huntsville, Ark.
Hutton J. M. & Co., Richmond, Ind.
Illinois Casket Co. (Cloth Covered), 2330 W Van Buren, Chicago, Ill.
Indianapolis Casket Co., 521 W North, Indianapolis, Ind.
Inland Casket Co., Spokane, Wash.
Iowa Coffin Co. (Polished Hardwood & Cloth Covered Caskets), Dubuque, Ia.
Jackson Casket & Mfg. Co., Jackson, Miss.
Janton A. & J., 1410 N 11th, Phila., Pa.
Junction City Mfg. Co., Junction City, Ga.
Kregel Casket Co., 18th & Cass av, St. Louis, Mo.
Leader Sheet Metal Works (Metallic), 1310 S. San Pedro, Los Angeles, Cal.
Leesville Coffin & Casket Co. (Pine & Poplar Coffins & Cloth Covered), Leesville, S. C.
Lena Casket & Supply Co., Lena, Ill.
Lincoln Casket Co. (Hardwood, Metallic & Cloth Covered), Lincoln, Ill.
Lord & Caswell, Skowhegan, Me.
Los Angeles Casket Co., 639 Banning, Los Angeles, Cal.
Lunenberg Mfg. Co., Lunenberg, Vt.
McNatt Coffin & Casket Co., Vidalia, Ga.
Manger E. C. & Son Co. (Cloth Covered Caskets & Varnished Coffins), Green Bay, Wis.
Marsellus John Casket Co., Syracuse, N. Y.
Mather S. W., 3227 W 25th, Cleveland, O.
Maulsby A. R., Everett, Wash.
Maxton Casket Co., Maxton, N. C.
Memphis Coffin Co., Memphis, Tenn.
Meredith Casket Co., Meredith, N. H.
Michigan Casket Co., 245 Rivard, Detroit, Mich.
Miller T. M. Co., Scranton, Pa.
Milwaukee Casket Co., 54 15th, Milwaukee, Wis.
Minnesota Casket Co., 722 Central av, Minneapolis, Minn.
Moen Casket & Furniture Co., Peterson, Minn.
Monroe Mfg. Co., Webster, N. Y.
Morgan Casket Co. (Bronze, Steel, Hardwood & Cloth Covered), 572 Park av, Brooklyn, N. Y.
Morris Mfg. Co., 10 Cross, Newark, N. J.
Mound Coffin Co. ("Hercules" Metal Caskets, etc.), Main & Chambers, St. Louis, Mo.
Muncie Casket Co., Muncie, Ind.
Muskingum Coffin Co. (Cloth, Plush Covered & Finished Wood Caskets), Zanesville, O.
National Casket Co., Oliver bldg, Pittsburgh, Pa.
New Castle Casket Co., New Castle, Ind.
Northern Casket Co., Fon-du-lac, Wis.
Northwestern Casket Co. (Hardwood Finished, Metal & Cloth Covered), 661 17th av, N E, Minneapolis, Minn.
Nunda Casket Co., Nunda, N. Y.
Ohio Casket Co., Columbus, O.
Ohio Valley Coffin Co., Lawrenceburg, Ind.
Orleans Mfg. Co. (All Kinds), Girod & S. Peter, New Orleans, La.
Oregon Casket Co., 101 N 5th, Portland, Ore.
Owens-Arnold Co., Allegan, Mich.
Owosso Casket Co. (Hardwood Finished & Cloth Covered), Owosso, Mich.
Pacific Casket Co. (Cloth Covered), 715 S Johnson, Los Angeles, Cal.
Pacific Mfg. Co., Santa Clara, Cal.
Pacific States Casket Co., 1167 Mission, San Francisco, Cal.
Palen's H. W. Sons, Kingston, N. Y.
Paul Casket Co., Cambridge City, Ind.
Peninsular Casket Co., 445 Galster av, Detroit, Mich.
Pennsylvania Burial Case Co. (Cloth Covered & Varnished Oak Caskets), Reynoldsville, Pa.
Peoria Casket Co., Peoria, Ill.
Perrigo A. B., 3913 Cottage Grove av, Chicago, Ill.
Posy & Sons, Juniper, Ga.
Powers & Walker Casket Co., Grand Rapids, Mich.
Quincy Casket Co., Quincy, Ill.
Rankin Coffin & Casket Co. (Varnished, Cloth Covered), High Point, N. C.
Renshler John D., Findlay, O.
Richmond Casket Co., Richmond, Ind.
Richmond Woodworking Co. (Cloth Caskets), Richmond, Va.
Riddle F. C. & Bro. Casket Co. (Cloth Covered), 1400 Hogan, St. Louis, Mo.
St. Louis Coffin Co. (Cloth, Wood & Metal), 1821 Chouteau av, St. Louis, Mo.
San Francisco Casket Co., 321 Vanecia, San Francisco, Cal.
Sessions F. E. Co. (Cloth & Oak Caskets), 28 Trumbull, Worcester, Mass.
Sims H. C., Richmond, Va.
Sioux City Casket Co. (Hardwood & Covered), Sioux City, Ia.
Southern Coffin & Casket Co., 1364 6th av, Knoxville, Tenn.
Spokane Casket Co., Spokane, Wash.
Springfield Coffin & Casket Co. (Cloth, Oak & Mahogany), Springfield, O.
Standard Coffin & Casket Mfg. Co. (Covered), 1029 W Chicago av, Chicago, Ill.
Stella Bros. Mfg. Co., 1426 Howard, San Francisco, Cal.
Stoll Casket Co., Upper Sandusky, O.
Stolts J. & J. W., 430 E 106th, New York
Sumter Coffin & Casket Mfg. Co., Sumter, S. C.
Sunbury Burial Case Co., Sunbury, Pa.
Sunbury Coffin & Casket Co., Sunbury, Pa.
Tennessee Coffin & Casket Co., Chattanooga, Tenn.
Terre Haute Casket Co., Terre Haute, Ind.
Texarkana Casket Co., Texarkana, Texas.
Texas Coffin Co., Waco, Texas
Thurston Bros., South Union, Me.
Traverse City Casket Co., Traverse City, Mich.
Tri-State Casket Co. (Cloth Covered), Kendallville, Ind.
Turner-White Coffin Co., Winston-Salem, N. C.
U. S. Casket Co. (Cloth Covered), Scottdale, Pa.
Watt F. N. Co. (Hardwood & Cloth Covered Caskets), Richmond, Ind.
Wellsville Burial Case Co., Wellsville, N. Y.
West Coast Casket Co., 1489 E 4th, Los Angeles, Cal.
Western Casket Co. (Cloth Covered), Oakland, Cal.
Wichita Casket Co. (Cloth Covered), Wichita, Kans.
Willamette Casket Co., Tacoma, Wash.
Winona Casket Co. (Cloth Covered), Winona, Minn.
Witherspoon Bros. & Co., Magnolia & Houser, Sumter, S. C.
Wolverine Burial Case Co., 680 E. Congress, Detroit, Mich.
Woodland Mfg. Co., George, N. C.

2851— Cogs (Mill, Wood)

Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Bowsher N. P. Co., South Bend, Ind.
Great Western Mfg. Co., Leavenworth, Kans.
Menasha Wood Split Pully Co., Menasha, Wis.
Nordyke & Marmon Co. (For Mortised Gears), Kentucky av & Morris, Indianapolis, Ind.
Noye Bros. Co., 1447 Niagara, Buffalo, N. Y.
POOLE ENGINEERING & MACHINE CO., Woodberry, Baltimore, Md.
See adv index at end of book
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Thompson Mfg. Co. (For Mortise Gears), Lancaster, N. H.
Woolbert Chas. W., Elmer, N. J.

2852— Coils (Aluminum)

Aluminum Company of America, 2301 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book
Amalgamated Metals Selling Co., Ltd., 42 B'way, New York
Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
Roos Chas. A., 429 E. 91st. New York

2853— Coils (Ammonia)

De La Vergne Machine Co. ("De La Vergne"), 2101H E. 138th, New York
HARRISBURG PIPE & PIPE BENDING (Specialty Coils), Herr St., nr 10th, Harrisburg, Pa.
Triumph Ice Machine Co., Oakley, Cincinnati, O.
U. S. Pipe Bending Co., 315 Howard, San Francisco, Cal.
Vilter Mfg. Co., 1046 Clinton, Milwaukee, Wis. *See adv index at end of book*

2854—Coils (Armature & Field)

See also Armatures

Acme Wire Co. (Field Coils only), 1255 Dixwell av, New Haven, Conn.
Advance Electric & Mfg. Co., 1302 W 9th, Kansas City, Mo.
Arrow Mfg. Co., 618 Broadway, Toledo, O.
Belden Mfg. Co., 2316 S Western av, Chicago, Ill.
Bissell F. Co., Toledo, O.
Boston Armature Works, 77 Washington, Boston, Mass.
Cameron Electrical Mfg. Co. (To Specification), 211 Main, Ansonia, Conn.
See adv index at end of book
Capital Elec. Co., Springfield, Ill.
Chattanooga Armature Works (Frank Steffner, Propt.), 1213 Duncan av, Chattanooga, Tenn.
Cleveland Armature Wks., 4736 St. Clair av, Cleveland, O.
Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.
Columbus Electrical Works Co., 247 No. Front, Columbus, O.
Commutator Co., 121 N 1st, Minneapolis, Minn.
Consolidated Engineering Co., Jacksonville, Fla.
Doubleday-Hill Elec. Co., 719 Liberty av, Pittsburgh, Pa.
Downing-Smith Co., 430 S Green, Chicago, Ill.
Electromechanical Co., 432 N Calvert, Baltimore, Md.
Elliott Electric Co., 813 Superior, Cleveland, O.
Elliott-Thompson Electric Co., Ajax bldg, Cleveland, O.
Findley Elec. Co., 215 S. 5th, Minneapolis, Minn.
Gee Electric Co., Wheeling, W. Va.
Guyan Machine Shops, Logan, W. Va.
Holden & White, 80 E Jackson, Chicago Ill.
Homer Commutator Co., 4743 Hough av, N E Cleveland, O.
Illinois Electrical Mfg. Co., Peoria, Ill.
Independent Lamp & Wire Co., 1733 B'way, New York
Kester Electric Co., Terre Haute, Ind.
Leacock A. M., 85 Columbia, Newark, N. J.
Littlefield H. A. & Co., West Lynn, Mass.
Major M. E. Elec. Co., Wilkes-Barre, Pa.
Oliver Electric & Mfg. Co., 4221 Forest pk, St. Louis, Mo.
Pearson John W. Co., 839 W Lake, Chicago, Ill.
Ridlon Frank Co., 251 A, Boston, Mass.
Stimple & Ward Co., 518 Sandusky, Pittsburgh, Pa.
Superior Brass & Copper Fdry., 527 St. Joseph, New Orleans, La.

Wente Electric Co., Hamilton, O.
Wesco Supply Co. ("Wesco"), 7th & Clark av, St. Louis, Mo.
Western Electric Co., 463 West, New York.
Western Electro-Mechanical Co., 461 2nd, Oakland, Cal.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

2855— Coils (Choke)

Bowie Switch Co., 14 Montgomery, San Francisco, Cal.
Delta-Star Electric Co., 2437 Fulton, Chicago, Ill.
Electric Power Equipment Corp., 112 N 18th, Phila., Pa.
Electric Service Supplies Co., ("Garton-Daniels" Porcelain Clamp Insulator), 17th & Cambria, Phila., Pa.
Electrical Engineers Equipment Co., 711 Meridian, Chicago, Ill.
GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book
Line Material Co., South Milwaukee, Wis.
Lord Mfg. Co. (Auto. Discharge, Vertical Unit), 105 W 40th, New York
Schweitzer & Conrad, Inc., 4431 Ravenswood av, Chicago, Ill.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

2855a— Coils (Condensing)

American Lead Burning Corp., 30 Church, New York
Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
Badger E. B. & Sons Co., 75 Pitts, Boston, Mass.
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
General Ceramics Co., 50 Church, New York
Knight, Maurice A., Akron, O.
Lummus Walter E. Co., 171 Milk, Boston, Mass.
Oat Joseph & Sons, 228 Quarry, Phila, Pa.
Roos Chas. A., 429 E. 91st, New York
STENDER COPPERSMITH CO. (THE), 2930 Smallman, Pittsburgh, Pa.
See adv index at end of book
U. S. Pipe Bending Co., 315 Howard, San Francisco, Cal.
Welded Steel Barrel Corp., Hart & Charlevoix av, Detroit, Mich.

2856— Coils (Cooling)

American District Steam Co. ("Niagara"), No Tonawanda, N. Y.
Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Devine J. P. Co., Buffalo, N. Y.
Oat Joseph & Sons, 228 Quarry, Phila., Pa.
STENDER COPPERSMITH CO. (THE), 2930 Smallman, Pittsburgh, Pa.
See adv index at end of book
United Lead Co. (Lined or Covered with Tin or Lead), 111 B'way, New York
U. S. Pipe Bending Co., 315 Howard, San Francisco, Cal.

2857—Coils (Gas Lighting Spark)

American Electrical Works, Phillipsdale, R. I.
Dow Mfg. Co., Braintree, Mass.
Electric Goods Mfg. Co., Canton, Mass.
Hess & Son ("Holdfast"), 2910 N. 16th, Phila., Pa.
Kokomo Electric Co., Kokomo, Ind.
Manhattan Electrical Supply Co., 17 Park pl, New York
Ostrander W. R. & Co., 371 B'way, New York
Schimper, Wm. & Co., 332-338 Ferry, Hoboken, N. J., & 33 Union sq. W., New York

Coils (Ignition)

See Coils, Spark

2858— Coils (Induction)

American Electric Co., 6401 So State, Chicago, Ill.
Bunnell J. H. & Co., 32 Park pl., New York
Detroit Coil Co., 439 E. Fort, Detroit, Mich.
DOYLE-DACOSTA MFG. CO. (Telephone Relay Ringer), Easton, Pa.
Dudlo Mfg. Co. ("Dudlo" Windings), Ft. Wayne, Ind.
EASTON COIL CO., Centre & Mauch Chunk, Easton, Pa.
Electrical Products Mfg. Co., 69 Sprague, Providence, R. I.
Kelley-Koett Mfg. Co., Covington, Ky.
Kellogg Switchboard & Supply Co., 1066 W Adams, Chicago, Ill.
Kokomo Electric Co., Kokomo, Ind.
Magnus Electric Co., Inc., 451 Greenwich, New York
Manhattan Electrical Supply Co., 17 Park pl, New York
Metropolitan Engineering Co. (Reactance), 1250 Atlantic av, Brooklyn, N. Y.
Menominee Electric Mfg. Co., Menominee, Mich.
Pearce Fred'k Co., 70 W 40th, New York
Quick Action Magneto Co., South Bend, Ind.
Ritchie E. S. & Sons ("For X-Ray" Apparatus & Wireless Telegraphy), Brookline, Mass.
Samson Electric Co. ("Perfex"), 237 Washington, Canton, Mass.
Thordarson Elec. Mfg. Co., 501 S Jefferson, Chicago, Ill.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book
Williams E. Q., Syracuse, N. Y.
Coils (Pipe), See Pipe Bends & Coils

2858a— Coils (Platinum)

Baker & Co., Inc., 54 Austin, Newark, N.J.
Bishop J. & Co., Platinum Wks., Malvern, Pa.

2858b— Coils (Radio Choke)

Acme Aparatus Co., 186 Mass. av, Cambridge, Mass.
Air-Way Elec. Appliance Corp., 618 B'way, Toledo, Ohio
Am. Radio & Research Corp., 203 College, Medford Hillside, Mass.
Am. Radio Sales & Service Co. ("Atlas"), Mansfield, Ohio
Averill Radio Mfg. Co., 719 E 1st, Los Angeles, Cal.
Bliss R. W. Co., Atlantic, Mass.
Cardwell Allen O. Mfg. Corp., Prospect, Brooklyn, N. Y.
Clapp-Eastham Co., 139 Main, Cambridge, Mass.
DeForest Radio Tel. & Telg. Co., 1415 Franklin, Jersey City, N. J.
Doyle Dacosta Mfg. Co., Easton, Pa.
Dudlo Mfg. Co. ("Dudlo"), Fort Wayne, Ind.
EASTON COIL CO., Centre & Mauch Chunk, Easton, Pa.
Electric Machine Co., Pratt & Meridian, Indianapolis, Ind.
Electrical Products Mfg. Co., 69 Sprague, Providence, R. I.
General Radio Co., Mass. av & Windsor, Cambridge, Mass.
Kilbourne & Clark Mfg. Co. ("K. & C."), 101 Spokane, Seattle, Wash.
Magnus Electric Co., Inc., ("Magnus" Tuning), 451 Greenwich, New York
National Radio Co., Marshall, Minn.
Pacent Elec. Co., 22 Park pl, New York
Quality Radio Shop, Richmond, Ind.
Radio Corp. of Am., 64 Broad, New York
Radio Distributing Co. ("Radisco"), 4 W Park, Newark, N. J.
Remler Radio Mfg. Co., 248 1st, San Francisco, Cal.
Ship Owners' Radio Service (Dirs.), 80 Washington, New York
Signal Electric Mfg. Co., Menominee, Mich.
Standard Radio Co., Los Angeles, Cal.
Wireless Improvement Co., 66 York, Jersey City, N. J.

2858c—Coils (Radio Frequency)

Acme Wire Co., 1255 Dixwell av, New Haven, Conn.
Dudlo Mfg. Co., Wall, Fort Wayne, Ind.
Easton Coil Co., Centre & Mauch Chunk, Easton, Pa.

2859— Coils (Resistance)

American Electrical Works, Phillipsdale, R. I.
Bario Metal Corp. (Alloys), 147 Varick, New York
Belden Mfg. Co., 2316 S Western av, Chicago, Ill.
Biddle Jas. G., 1211 Arch, Phila., Pa.
Bunnell J. H. & Co., 32 Park pl, New York
Consolidated Car Heating Co., Dept. H, Albany, N. Y.
CUTLER HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
DOYLE-DACOSTA MFG. CO., Easton, Pa.
Easton Coil Co., Centre & Mauch Chunk, Easton, Pa.
Electrical Alloy Co. (Car Heater), Morristown, N. J.
Farrington & Co. Inc., Mt. Vernon, N. Y.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
International Brass & Electric Co., 76 Beekman, New York
Kellogg Switchboard & Supply Co., 1066 W Adams, Chicago, Ill.
Leeds & Northrup Co., Stenton av, 4901 Phila., Pa.
Pyrolectric Instrument Co., Trenton, N. J.
Queen-Gray Co., 64H W. Johnson, Phila., Pa.
Thordarson Electric Mfg. Co., 501 S Jefferson, Chicago, Ill.
Ward Leonard Elec. Co., Mt. Vernon, N. Y.
WESTBURG ENGNG. CO., 57 W Jackson blvd, Chicago, Ill.
Western Electro-Mechanical Co., 461 2nd, Oakland, Cal.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

2860— Coils (Spark)

Akar Ignition Co. ("Akar"), 149 W. Berkley, Phila., Pa.
American Electrical Works, Phillipsdale, R. I.
Atwater Kent Mfg. Co., 4937 Steton ave, Philadelphia, Pa.
Autocoil Co. ("Jumphlame," "Owners"), 136 7th, Jersey City, N. J.
Bunnell J. H. & Co., 32 Park pl, New York
Byrne, Kingston & Co. ("Kingston"), Kokomo, Ind.
Connecticut Telephone & Electric Co. ("Connecticut"), Meriden, Conn.
Dayton Electrical Mfg. Co. ("Dayton"), Dayton, O.
Detroit Coil Co. ("Detroit"), 439 E. Fort, Detroit, Mich.
Dow Mfg. Co., Braintree, Mass.
DOYLE-DACOSTA MFG. CO. (Ignition Coils), Easton, Pa.
Dudlo Mfg. Co., Fort Wayne, Ind.
Edison Thomas A., Orange, N. J.
Electric Goods Mfg. Co., Canton, Mass.
Electrical Products Mfg. Co., 69 Sprague, Providence, R. I.
Empire Transformer Co., 4642 Ravenwood av, Chicago, Ill.
Fansteel Products Co. Inc. (Gas Engine), N Chicago, Ill.
Foote, Pierson & Co., 160 Duane, New York
Heinze Electric Co. (For Automobiles), Lowell, Mass.
International Brass & Electric Co. (For X-Ray, Wireless Telegraphy, etc), 76 Beekman, New York
Jefferson Electric Mfg. Co. (For Automobiles), 426 S Green, Chicago, Ill.
Knott L. E. Apparatus Co. (High Frequency), 79 Amherst, Cambridge, Mass.
Kokomo Electric Co. ("Kingston"), Kokomo, Ind.
Lemke Electric Co. (High Tension Jump & Make & Brake), 509 Cedar, Milwaukee, Wis.
Manhattan Electrical Supply Co., 17 Park pl, New York
Menominee Elec. Mfg. Co., Menominee, Mich.
Monarch Valve Co. ("Monarch"), 112 Front, Brooklyn, N. Y.
Mosler A. R. & Co., Woodlawn, N. Y.
Motor Car Supply Co., 1453 Michigan av, Chicago, Ill.
New York Coil Co., 338 Pearl, New York
Pfanstiehl Co. ("X-Ray"), North Chicago, Ill.
Quick Action Magneto Co., South Bend, Ind.
Roeblings John & Sons Co., Trenton, N. J.
See adv index at end of book
Samson Electric Co., 237 Washington, Canton, Mass.
Schug Elec. Mfg. Co., 252 E Larned, Detroit, Mich.
Splitdorf Electrical Co., 98 Warren, Newark, N. J.
Thordarson Elec. Mfg. Co., 501 S Jefferson, Chicago, Ill.
Titan Engineering Co., Butler, Ind.
Wells R. C. Mfg. Co., Fond du Lac, Wis.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book
Williams E. Q., Syracuse, N. Y.

Coils (Stoneware)

See Stoneware, Chemical

2860a—Coin Collectors (Telephone)

Gray Telephone Pay Station Co., Hartford, Conn.

2861— Coke (Crushed)

Berger-Aiken Coal Co., H. Oliver bldg, Pittsburgh, Pa.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Smith Facing & Supply Co., 1857 Carter rd, Cleveland, O.

2862— Coke Mfrs.

Adah Coal & Coke Co., Uniontown, Pa.
Algoma Coal & Coke Co., Algoma, W. Va.
Altoona Coal & Coke Co., Altoona, Pa.
Am. Coke Corp., 1607H Oliver bldg, Pittsburgh, Pa.
Arlington Coal & Coke Co., Lynchburg, Va.
Atlantic Coal & Coke Co., Tunnelton, W. Va.
Atlantic Crushed Coke Co., Greensburg, Pa.
Atlantic Refining Co., 260 S. Broad, Phila., Pa.
Barnitz Geo. A., York, Pa.
Barrett Co. ("Queen Bee"), 40 Rector, New York
Battle Creek Coal & Coke Co., Orme, Tenn.
Beckley Coal & Coke Co., Macdonald, W. Va.
Berger Aiken Coal Co., H Oliver bldg., Pittsburgh, Pa.
Bixler Coal & Coke Co. (Crushed), Fulton bldg, Pittsburgh, Pa.

(Continued on following page)

Coke Mfrs.—Continued

Bottom Creek Coal & Coke Co., Vivian, W. Va.
Central Iron & Coal Co., 41 E 42d, New York
Clare Coke Co., Greensburg, Pa.
Cleveland Cliffs Iron Co., Rockefeller bldg, Cleveland, Ohio
Collins Colliery Co., Macdonald, W. Va.
Colonial Coal & Coke Co., Oliver bldg, Pittsburgh, Pa.
Colorado Fuel & Iron Co., Denver, Colo.
Connellsville Central Coke Co., Empire bldg, Pittsburgh, Pa.
Connellsville Coal & Coke Co., Connellsville, Pa.
Connellsville Mutual Coke Co., Scottdale, Pa.
Consolidated Coke Co., Oliver bldg, Pittsburgh, Pa.
Crozer Coal & Coke Co., Upland, Pa., & Elkhorn, W. Va.
Crystal Coal & Coke Co., Crystal, W. Va.
Davis Coal & Coke Co. (Foundry, Furnace & Crushed), Continental bldg, Baltimore, Md.
Debevoise-Anderson Co. (Dealers), 114 Liberty, New York
Donohue Coke Co., Greensburg, Pa.
Dunn Connellsville Coke Co., Adamsburg, Pa.
Dunn Loop Coal & Coke Co., Macdonald, W. Va.
Durham Coal & Iron Co., Soddy, Chattanooga, Tenn.
Elk Ridge Coal & Coke Co., Northfolk, W. Va.
Empire Coke Co., Geneva, N. Y.
Fayette Coke Co., New Salem, Pa.
Fire Creek Coal & Coke Co. (Foundry), Staunton, Va.
Flat-Top Fuel Co. ("Pocahontas" Foundry), Bluefield, W. Va.
Frick H. C. Coke Co., Carnegie bldg, Pittsburgh, Pa.
Gilliam Coal & Coke Co., Lynchburg, Va., & Gilliam, W. Va.
Grafton Coal & Coke Co., Grafton, W. Va.
Hamilton Otto Coke Co., Hamilton, O.
Hanna M. A. & Co., Leader News bldg, Cleveland, O.
Harris-Smith Coal & Coke Co., Uniontown, Pa.
Harvey Coal & Coke Co., Macdonald, W. Va.
Hickman Williams & Co. (Dirs.), 814 1st National Bank bldg, Cincinnati, O.
HILLMAN COAL & COKE CO. ("Hillman" Connellsville Blast Furnace Coke, Foundry, Smelter & Crushed Coke), 2206 First Nat'l Bank bldg, Pittsburgh, Pa.
Hostetter Connellsville Coke Co., 434 5th, Pittsburgh, Pa.
Houston C. B. & Co. (Dealers), Iron Liberty bldg, Phila., Pa.
Houston Coal & Coke Co., Elkhorn, W. Va.
Hustead-Semans Coal & Coke Co., Uniontown, Pa.
Iron Trade Products Co., Farmers' Bank bldg, Pittsburgh, Pa.
Irwin Fuel Co., Latrobe, Pa.
Keister A. L. & Co. (also Coal), Scottdale, Pa.
Keystone Coal & Coke Co., Greensburg, Pa.
Latrobe-Connellsville Coal & Coke Co., Greensburg, Pa.
Louisville Coal & Coke Co., Goodwill, W. Va.
Loyal Hanna Coal & Coke Co., Loyal Hanna, Pa.
Lynchburg Coal & Coke Co., Lynchburg, Va.
McKeefrey & Co., Leetonia, O.
McKinney Steel Co., Perry Payne bldg, Cleveland, O.
Mabscott Coal & Coke Co., Macdonald, W. Va.
Macdonald Colliery Co., Macdonald, W. Va.
Marmet-Halm Coal & Coke Co., N Bend, Cincinnati, O.
Marshall F. W. & Co., Pennsylvania bldg, Phila., Pa.
Milwaukee Coke & Gas Co. (Foundry & Furnace & Domestic), Carrolton, Wis.
Monessen Coal & Coke Co., Frick bldg, Pittsburgh, Pa.
Mount Pleasant Coke Co., Greensburg, Pa.
Mount Pleasant-Connellsville Coke Co., Greensburg, Pa.
Mudge Edmund W. & Co., Frick bldg, **Pittsburgh, Pa.**
New Alexandria Coke Co., Greensburg, Pa.
Newcomer Coke Co., Uniontown, Pa.
New York & Phila. Coal & Coke Co., Produce Exchange, New York
Norton Coal Co., Norton, Va.
Oakville Coal & Coke Co., Greensburg, Pa.
Oliver Iron & Steel Co., S. 10th & Muriel, Pittsburgh, Pa.
Orient Coke Co., Uniontown, Pa.
Peerless Coal & Coke Co., Vivian, W. Va.
Penn Coke Co., Uniontown, Pa.
Pocahontas Fuel Co., Inc., Pocahontas, Va.
Portsmouth By-Products Coke Co., Portsmouth, Ohio
Producers Coke Co., Uniontown, Pa.
Prospect Coal & Coke Co., Searights, Pa.
Rainey W. J. ("Connellsville"), 52 Vanderbilt av, New York
Reliance Coke Co., Frick bldg., Pittsburgh, Pa.
Republic Iron & Steel Co., Youngstown, O.
See Branch Offices, Alphabetical Section
Roanoke Coal & Coke Co., Worth, W. Va.
Rogers-Brown & Co., 77 Carew bldg, Cincinnati, O.
Semet-Solvay Co., Syracuse, N. Y.
Shenango Furnace Co., Oliver bldg, Pittsburgh, Pa.
Shimer & Co. Inc., Bullitt bldg, Phila., Pa.
Sloss-Sheffield Steel & Iron Co., Birmingham, Ala.
Snyder W. P. & Co., Oliver bldg, Pittsburgh, Pa.
Spokane Gas & Fuel Co. (Gas Coke), Spokane, Wash.
Stauffer Jos. R., Scottsdale, Pa.
Stewart Furnace Co., Union Trust bldg, **Cleveland, O.**
Steubenville Coal & Mining Co., Steubenville, O.
Stonega Coke & Coal Co., Stonega, Va.
Tennessee Coal, Iron & R. R. Co., Birmingham, Ala.
Tidewater Coal & Coke Co., Vivian, W. Va.
Tyler Coal & Coke Co. (Dealers), Central bldg, Phila., Pa.
U. S. Coal & Coke Co., Carnegie bldg, Pittsburgh, Pa.
Upland Coal & Coke Co., Upland, Pa., & Elkhorn, W. Va.
Virginia Iron, Coal & Coke Co. (Furnace & Foundry), Roanoke, Va.
Virginia & Pittsburgh Coal & Coke Co., Fairmont, W. Va.
Washington Coal & Coke Co., Dawson, Pa., & Pittsburgh, Pa.
WIEMAN & WARD CO. (Dirs. in Pig Iron and Coke), 555 Union Trust bldg, Pittsburgh, Pa.
Winona Gas Light & Coke Co., Winona, Minn.
Yolande Coal & Coke Co. (Foundry, etc), Birmingham, Ala.

2863— Coke (Metallurgical)

Iron Trade Products Co., Farmers Bank bldg., Pittsburgh, Pa.
Semet-Solvay Co. ("Solvay"), Syracuse, N. Y.

2864—Coke Oven Construction

Koppers Co., The ("Kopper's" By-Product Plants), Union Arcade, Pittsburgh, Pa.
LINK-BELT COMPANY (For Crushing, Screening, Handling, etc.), 300 W. Pershing rd, Chicago, Ill.
See adv index at end of book
Semet-Solvay Co., Syracuse, N. Y.
Wilputte Coke Oven Corp., 469 5th av, New York

2865— Coke (Petroleum)

Atlantic Refining Co., 260 S. Broad, Phila., Pa.
National Refining Co., Rose bldg, Cleveland, O.
Texas Company (The), Dept. D, 17 Battery pl, New York
See adv index at end of book
Tidewater Oil Co., 11 B'way, New York

2866— Colchicine

Hoffmann La Roche Chemical Works, 18 Cliff, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

2867— Cold Shuts

American Logging Tool Co., Evart, Mich.
American Mfg. Co., Chestnut & Water, Chattanooga, Tenn.
Bacon & Matheson Forge Co., 17H W. Lander, Seattle, Wash.
Dixie Logging Tool Co., James & Elizabeth, Chattanooga, Tenn.

Cold Storage Plant Construction

See Ice & Refrigerating Machines
Also Engineers, Refrigeration

Collapsible Steel Centering

See Centering, Steel

2868—Collar Supports (Covered Wire)

Sachnoff G. & Co., 138 Mott, New York

2869— Collars (Axle)

American Manufacturers' Supply Co. (Jobbers), 1415 Orleans, Detroit, Mich.
Graham Nut Co., Pittsburgh, Pa.

2870— Collars (Dog)

Brauer Bros. Mfg. Co., 204 N 14th, St. Louis, Mo.
Brauer Reuter & Brauer Co., 1385 E 7th, Los Angeles, Cal.
Buchheimer Geo. H, 508 Ann, Baltimore, Md.
Fritz Bros., Meriden, Conn.
Graham & Berwin, 451 Greenwich, New
Kahnweiler S. B. & Co., 393 B'way, New York
Libby, Harlow & Co., 250 Devonshire, Boston, Mass.
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Riley-Klotz Mfg. Co., 17 Mulberry, Newark, N. J.
Scheffer & Rossum Co., 104 E. 10th, St. Paul, Minn.
Smith Jas. & Son, 40 Franklin av, Brooklyn, N. Y.
Stevens Walter B. & Son, 107 Chambers, New York
Union Hardware Co., Torrington, Conn.

2871-2— Collars (Horse)

See also Harness, Saddles & Strap Work Mfrs.

ARKANSAS.

LITTLE ROCK—Voss-Hutton Mfg. Co.

CALIFORNIA.

LOS ANGELES—Brydon Bros. Harness & Saddlery Co., 239 S Main
Los Angeles Saddlery & Finding Co.
SAN FRANCISCO—Davis W. & Sons, 333 Market

CONNECTICUT.

HARTFORD—Smith, Worthington Co.

GEORGIA.

ATLANTA—Couch Bros. Mfg. Co, ("Lankford," "Gee Haw," "Samson")
BUFORD—Allen Bona
LAWRENCEVILLE—Allen Mfg. Co. (Cotton)
MACON—Bernd G. Co.

ILLINOIS.

BENTON—Jackson A. D. Saddlery Co.
BLOOMINGTON—Green B. S. Co.
FREEPORT—Bowler & Jones
GALESBURG—Adams & Johnson Co.
LINCOLN—Lincoln, Ill. Collar Co. (Cork Faced)
QUINCY—Schott J. B. Saddlery & Mfg. Co. ("Noxall")
Wolf Mfg. Co.
PEORIA—Case & Kroenlien
ROCKFORD—Hess & Hopkins Leather Co.

INDIANA.

EVANSVILLE—Flickner J. O. & Sons, 211 N 1st
Indiana Collar Co., 18 Olive
FORT WAYNE—Racine F. L.
INDIANAPOLIS—Indianapolis Saddlery Co., 237 S Meridian

IOWA.

BOONE—Goeppinger L. & H.
BURLINGTON—McConnell S. R. & I. C. Co.
CLINTON—Clinton Saddlery Co.
COUNCIL BLUFFS—Keller A. C. Collar Co.
DAVENPORT—Sears Saddlery Co.
DES MOINES—Des Moines Saddlery Co.
DUBUQUE—Hoffmann Paul
MUSCATINE—Van Nostrand Saddlery Co.
WATERLOO—Powers Mfg. Co. ("Humane")
Waterloo Saddlery Co.

KANSAS.

ATCHISON—Atchison Saddlery Co.
LAWRENCE—Hermann John

KENTUCKY.

EDDEYVILLE—Kentucky Whip & Collar Co.
LOUISVILLE—Harbison & Gathright

LOUISIANA.

NEW ORLEANS—Rice Louis P. & Co.
Whitney & Slop Co., Ltd., 733 Tchoupitoulas

MASSACHUSETTS.

BOSTON—Libby, Harlow & Co., 250 Devonshire
FITCHBURG — Thomson Alex (Steel Hameless)

MICHIGAN.

DETROIT — Navion-Pierson,Hough Co., 158 Congress W
Naylon-Pierson-Hough Co., 532 Congress W.
SAGINAW—Koehler Bros. (Steel)
Morley Bros.

MINNESOTA.

MINNEAPOLIS—Dodson, Fisher, Brockman Co., 15 N 3d
ST. PAUL—Friend Chas. & Son, 243 Jackson.
Scheffer & Rossum Co., 104 E. 10th
WINONA—Minnesota Harness Factory

MISSOURI.

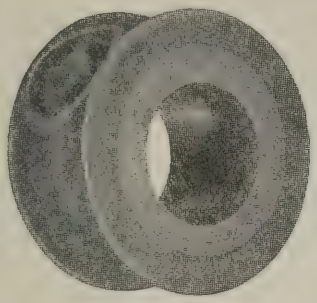
CALIFORNIA—Heck Wm.
KANSAS CITY—Askew Saddlery Co., 215 Delaware
ST. JOSEPH—Rossi Saddlery Co.
Wyeth Hardware & Mfg. Co.
ST. LOUIS—Burns P. Saddlery Co., 713 Lucas
Holthaus Saddlery Co., 3225 Locust
Sickles J. B. Saddlery Co., 2100 Washington
SPRINGFIELD—Hermann-Sanford Saddlery Co.

NEBRASKA.

BLAIR—Blair Horse Collar Co.
LINCOLN—Harpham Bros. Co.
OMAHA—Haney J. H. & Sons.

REX *Certified Malleable* SET COLLARS

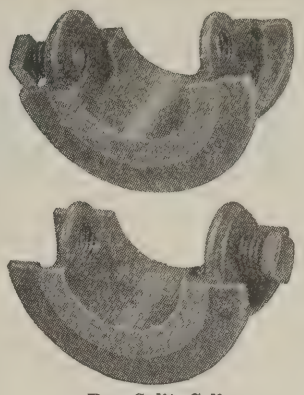
Do not Break



Rex Solid Collar

Rex Set Collars can be hammered or dropped to the floor without danger of breaking. They are not only stronger but also lighter in weight and better in appearance than ordinary collars. Yet they cost no more. Rex couplings, bearings, take-ups and hangers are of similar high quality with no increase in price.

CHAIN BELT COMPANY
746 Park Street
MILWAUKEE, WIS.



Rex Split Collar
(Note double set screw construction)

NEW YORK.
BATH—Bath Harness Co.
BUFFALO—Smith Sons Harness Co., 57 Tenoce
ROCHESTER—Weider John A. (Fire Dept.)
SYRACUSE—Appleby T. H. & Co.
Olmstead Co.
TROY—Curtis Mont G. Co.

NORTH DAKOTA.
FARGO—Bristol & Sweet Harness Co.
North Dakota Harness Co.

OHIO.
CINCINNATI—Perkins-Campbell Co., 622 B'way
COLUMBUS—Sells J. H. & F. A. Co., Chestnut & Pearl
MARIETTA—Strecker Bros. Co.
NORTH BALTIMORE—Gall Cure Collar Pad Co.
SIDNEY—Given R. & Son Co.

OREGON.
PORTLAND—McMonies W. H. & Co., 375 E 6th N
Sharkey P. & Son, 53 Union

PENNSYLVANIA.
INDIANA—Robinsteen Collar & Leather Co.
YORK—Beard H. B. & Co.

TENNESSEE.
CHATTANOOGA—Southern Saddlery Co., 1442 W Side
NASHVILLE—Gray & Dudley Hardware Co.
Nashville Saddlery Co., 1702 Cedar
SHELBYVILLE—Robinson - McGill Mfg. Co.

TEXAS.
DALLAS—Padgitt Bros. Co.
Schollkopf Co.
Tenison Bros. Saddlery Co.
PARIS—Dulaney W. F. & Sons
SAN ANTONIO—Frank L. Saddlery Co.
WACO—Padgitt Tom Co.

UTAH.
SALT LAKE CITY—Salt Lake Hardware Co.

VIRGINIA.
RICHMOND—Cottrell Saddlery Co.
Crump Benj. T. Co.

WASHINGTON.
SEATTLE—Duncan & Sons, 315H 2d

WISCONSIN.
EAU CLAIRE—Schwahn-Seyberth Mfg. Co.
GREEN BAY—Kress Frank F
McIntyre-Burrall Co.

2873— Collars (Pole)

Goodell-Pratt Co., Greenfield, Mass.

2874—Collars (Rubber Swimming)

Tyer Rubber Co., Andover, Mass.

2875— Collars (Safety Set)

Bond Foundry & Machine Co., Penn st, Manheim, Pa.
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago, Ill.
CHAIN BELT CO., 746 Park, Milwaukee, Wis. *See adv index at end of book*
Hanson Clutch & Mchy. Co., Tiffin, O.
Jones W. A. Foundry & Machine Co., 4442 W. Roosevelt rd, Chicago, Ill.
See adv index at end of book
LINK-BELT COMPANY, 300 W. Pershing rd, Chicago, Ill.
See adv index at end of book
MEDART COMPANY THE, 3500 De Kalb, St. Louis, Mo.
See adv index at end of book
Wood's T. B. Sons Co., Chambersburg, Pa.

2876— Collars (Shingle Saw)

Biegert J. C. Machine Works, Seattle, Wash.
Gerlach Peter Co., 1712H Winter, Cleveland, O.
Southern Saw Works, East Point, Ga.

2877—Collars (Spacing, for Milling Cutters)

Cleveland Milling Mach. Co., 18521 Euclid av, Cleveland, Ohio
Scully-Jones Co. ("Wear-Ever"), 3609 S. Ashland, Chicago, Ill.
Sommer & Adams Co., 18511 Euclid av. Cleveland, Ohio

2878-9— Collars (Split)

Bailey-Burruss Mfg. Co., Atlanta, Ga.
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Bond Foundry & Machine Co., Penn st, Manheim, Pa.
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Caldwell W. E. Co., Louisville, Ky.
Chain Belt Co. (Also Solid), 746 Park, Milwaukee, Wis.
See adv index at end of book
Dodge Mfg. Corp., Mishawaka, Ind.
Eastwood Benj. Co., Paterson, N. J.
Hanson Clutch & Machy. Co., Tiffin, O.
Hill Clutch Machine & Foundry Co., W 65th, Cleveland, O.
Jones W. A. Foundry & Machine Co., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Link Chain Co., Williamsport, Pa.
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Salem Foundry & Machine Works, Salem, Va.
Shaw Coupling Co. (Also Solid), Syracuse, N. Y.
Standard Pressed Steel Co. (Safety), Jenkintown, Pa.
Webster Mfg. Co., 4500 Cortland, Chicago, Ill. *See adv index at end of book*
Wolf Co., Chambersburg, Pa.
Wood's T. B. Sons Co., Chambersburg, Pa.
Yocom Jas. & Son (For Shafting), 145 N 2nd, Phila., Pa.

2880— Collars (Thrust)

Continental Fibre Co. (Vulcanized Fibre), Newark, Del.
DELAWARE HARD FIBRE CO. (Hard Fibre), Wilmington, Del. Works: Marshallton, Del.
See adv index at end of book
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Wood's T. B. Sons Co., Chambersburg, Pa.
Zeigler Mfg. Co., Alexandria, Ind.

2881—Collars & Cuffs (Celluloid)

Celluloid Co. (Waterproof), 36 Washington pl, New York

2881a—Collars & Cuffs ("Pyralin")

DU PONT E. I. DE NEMOURS & CO. INC., Poughkeepsie Plant (& Shirt Fronts), Poughkeepsie, N. Y.
See adv index at end of book

2881b—*Collars & Cuffs (Waterproof)

DU PONT E. I. DE NEMOURS & CO. INC., Poughkeepsie Plant (Pyralin Cleanable Brands, "Challenge," "Blue Ribbon-Pyralin," "Water Nymph"), Poughkeepsie, N. Y.
See adv index at end of book

2882— Collets

Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
See adv index at end of book
Morrison Machine Products, Inc., 15 Commercial, Rochester, N. Y.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Ransom & Randolph Co., 518 Jefferson, Toledo, Ohio
Reed-Prentice Co., 677 Cambridge, Worcester, Mass.
S. P. Manufacturing Co. (Air Operated), 872 E 72d, Cleveland, Ohio

2883—Collets (Twist Drill, Etc.)

Brown & Sharpe Mfg. Co. (For Gear Cutting, Milling & Screw Machines), Providence, R. I.
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O. *See adv index at end of book*
Collis Co. ("Wonder"), Clinton, Ia.
Consolidated Mach. Tool Corp. of Amer. ("Magic"), Rochester, N. Y.
See adv index at end of book
Geometric Tool Co. ("Jarvis" Quick Change), Blake & Valley, New Haven, Conn.
McCrosky Tool Corp. ("Wizard," "Quick Change"), Dept. H, Meadville, Pa.
Ney J. M. Co. ("Ney"), Hartford, Conn.
Pratt & Whitney Co. (Bit Brace), Hartford, Conn.
See adv index at end of book
Titan Tool Co. ("Titan"), Erie, Pa.
Union Twist Drill Co. (Milling Machine & Blank Devices), Athol, Mass.
Waltham Screw Co., Waltham, Mass.
Whitney Mfg. Co. ("Presto" & Friction Tapping), Hartford, Conn.

2884— Collodion

Cooper, Chas. & Co., 194H Worth, New York
DU PONT E. I. DE NEMOURS & CO. INC. (Chemical Products Div.) (See Adv. at Chemicals), Parlin, N. J.
See adv index at end of book
Fletcher Works, Glenwood av & 2d, Phila., Pa.
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.

Color Cards

See Paint Mfrs.' Color Cards

2885—Color Mfrs. & Importers

See also Aniline Colors, Dyes and Dyestuffs
Acme White Lead & Color Wks., 8250 St. Aubin, Detroit, Mich.
Alston Lucas Paint Co., 1029 Currier, Chicago, Ill.
American Aniline Products Inc., 80 5th av, New York
Am. Wood Preserving Co., 3743 W Marshfield av, Chicago, Ill.
Ansbacher A. B. & Co. (Dry Colors), 527 5th av, New York
Atlas Co. (Dry), Lincoln, N. J.
Ault & Wiborg Co. (Dry Color Mfrs.), Cincinnati, O.
Behrend, F., Inc. (Imptrs.), 170 Front. New York

(Continued on following page)

THE BEST
RED OXIDE
Uniform Quality Guaranteed
JOSEPH A. McNULTY
Successor to
G. A. & E. MEYER
Established 1805
114 Liberty Street New York City
Exclusive Representative in the United States
LEACH NEAL & CO.'S RED OXIDES

Color Mfrs. & Importers—Cont.

Bielenberg A. Co., 18-24H Ash, Jersey City, N. J.
Billings-Chapin Co., 1163 E 40th, Cleveland, O.
Binney & Smith Co., 41 E 42d, New York
BINSWANGER B. & CO., 835 N 3rd, Phila., Pa.
Briggs Maroney Co. Inc., 85 Paris, Everett, Mass.
Butcher L. H. Co., 274 Brannan, San Francisco, Cal.
California Ink Co., Dept. H, 4th & Camelia, Berkeley, Cal.
Cambria Paint & Color Co. (Ltd.) (Grinders of Paper & Pulp Colors, Colors in Oil, etc), Johnstown, Pa.
Campbell John & Co., 75 Hudson, New York
Central Dyestuff & Chemical Co., Newark, N. J.
CHICAGO VARNISH WORKS, 2100 Elston av, Chicago
Chrystal Charles B. Co., Inc., 13 Cliff, New York *See adv index at end of book*
Ciba Co. Inc., 134 Cedar, New York
Clinton Metallic Paint Co., Clinton, N. Y.
Cohn Marion D. & Co., 268 Market, San Francisco, Cal.
Commonwealth Color & Chemical Co. (Selling Agent), Nevins, Brooklyn, N. Y.
Cooker & Cooker, 23 Cliff, New York
Corona Chemical Co. (Dry), 213 Lake, Milwaukee, Wis.
Detroit White Lead Works, 560 E Milwaukee av. Detroit. Mich.
Devoe & Raynolds Co., Inc., 101 Fulton, New York
Ditzler Color Co. (For Automobiles), 40 Baltimore av W, Detroit, Mich.
Doggett, Stanley (Dry), 11 Cliff, New York
DU PONT E. I. DE NEMOURS & CO. INC., (Lithopone, Pigments & Heavy Chemicals Div.), 3500 Gray's Ferry rd, Phila., Pa. *See adv index at end of book*
DU PONT E. I. DE NEMOURS & CO. INC., Paint & Varnish Dept. (Oil & Japan Color Mfrs. (See Adv. at Paint), 3500 Gray's Ferry rd, Phila., Pa. *See adv index at end of book*
Dye Products & Chemical Co., Inc., 200 5th av, New York
Eakins, J. S. & W. R. (Dry Colors), 12 Wallabout, Brooklyn, N. Y.
Ehrmann Ludwig, 288 Bowery, New York
Enterprise Paint Mfg. Co., 333 S Peoria, Chicago, Ill.
Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Fezandie Felix (Importer), 205 Fulton, New York
Foote Mineral Co., 109 N 19th, Phila., Pa.
Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, O.
FOX M. EWING CO. (Dry & Water), 241 E 136th, New York
French Samuel H. Co., 4th & Callowhill, Phila., Pa.
Fry Art Co. (Vitrifiable Colors), Great Neck, Long Island, N. Y.
General Commercial Co., Ltd., of U. S. (Imp. of Dry Colors), 90 W B'way, New York
Glidden Co. (Dry Colors), Madison av. & Berea rd, Cleveland, O.
Harmon Color Works Inc. (For Ink, Paints & Wall Paper), College Point, L. I., N. Y.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio *See adv index at end of book*
Heller & Merz Co. (Aniline), 503 Hudson, New York
Herrmann Morris & Co., 200 5th av, New York
Hine Bros., 68 Wm., New York
Hommel O. Co. (Glass, China, etc.), 209 4th av, Pittsburgh, Pa.
Illinois Mineral Milling Co., E. St. Louis, Ill.
Imperial Color Wks. Inc. (Dry), Glen Falls, N. Y.
Jaenecke-Ault Co. (Dry & Pulp), Newark, N. J.
Jamaica Dyewood & Chemical Co. (Aniline, etc), 50 Church, New York
Johnson Chas. E. & Co., 10th & Lombard, Phila., Pa.
Kohnstamm H. & Co., 89 Park pl, New York.
Kuttroff, Pickhardt & Co., Inc. (Jobbers), 128 Duane, New York
Lavanburg Fred'k L. (Importer), 100 William, New York
Lewis John T. & Bros. Co., Lafayette bldg, Phila., Pa.
Longman & Martinez, 110 William, New York
Lucas John & Co., 322 Race, Phila., Pa.
Luning Mineral Products Co., Russ bldg, San Francisco, Cal.
McNULTY JOSEPH A. (Importers, Red Oxide), 114 Liberty, New York *See adv index at end of book*
Macneal Jas B. & Co., Warner & Wooster, Baltimore, Md.
Marsden-Sewell Corp., 149 Church, New York
Marx Max Color & Chemical Co. (Ink, Paint & Paper), Irvington, N. J.
Mepham Geo. S. & Co. (Colors & Minerals), 20th & Lynch, East St. Louis, Ill.
Metals Extraction Corp., 5501 S Boyle av, Huntington pk, Los Angeles, Cal.
Mott Haven Color Works, 395 Mott av, New York
Mound City Paint & Color Co., 217 S Garrison, St. Louis, Mo.
Mountain Varnish & Color Works, Inc., Toledo, O.
National Aniline & Chemical Co., Inc., 40 Rector, New York
National Sales & Trading Co., Cleveland, Ohio
NEW JERSEY ZINC SALES COMPANY THE (Makers of Golden Yellow and Lemon Yellow, containing Cadmium Sulphide), 158 Front, New York *See adv index at end of book*
Nice, Eugene E., 268 S. 2nd, Phila., Pa.
Nicol J. M. & J. S. (Pulp Colors), Hawthorne, N. J.
Osborn C. J. Co. (Imported Dry Colors), 132 Nassau, New York
Oxidite Mfg. Co. (Dry),Arlington, Mass.
Patton Paint Co., 213 Lake, Milwaukee, Wis.
Peninsular Paint & Varnish Co., 913 E Milwaukee, Detroit, Mich.
Pfeiffer Color Co. (Dry), 100 William, New York
Prince Mfg. Co. (Iron Oxides), 165 B'way, New York
Rector Chemical Co., Inc. (Furdyes), 2 Rector, New York
Reichard-Coulston Co. (Dry Color Imp.), 95 Madison av, New York
Sartirius A. & Co. ("Oleo"), 32 Union sq, New York.
Senelith Ink Co., Inc. (Dry), 32 Greene, New York
Sherwin-Williams Co., Cleveland, O.
Shoemaker, Robt. & Co., Inc. (Ground in Oil), 4th & Race, Phila., Pa.
Siegle G. Co. (Dry Colors), Rosebank, Borough of Richmond, New York
Siemon & Elting, 99 Nassau, New York
Sinclair & Valentine Co., 21 St. Clair pl, New York
Standard Color & Chemical Co., 268 Market, San Francisco, Cal.
Standard Ultramarine Co. (Ultramarine Blues), Huntington, W. Va.
Tidewater Chemical Co. Inc., 342 Madison av, New York
Toch Bros., 320 5th av, New York
Uhlich Paul & Co. (Dry Colors for all purposes), 11 Cliff, New York
Ulster Paint Works (Dry Colors), Ellenville, N. Y.
Ultramarine Co., 38 Park row, New York
United Color & Pigment Co. (Dry & Pulp), Waverly, Newark, N. J.
Valentine Co. ("Superfine" Auto Japans), 456 4th av, New York
Waddell R. J. & Co. (Imp. Dry Colors), 52 Beekman, New York
Waldo E. M. & F. (Selling Agts.), 11 B'way, New York
Watson J. D. & Co., New Brunswick, N. J.
Weber F. Co., 1220 Buttonwood, Phila., Pa.
WESTMORELAND CHEMICAL & COLOR CO., S E cor. 22nd & Westmoreland, Phila., Pa.
Whittaker, Clark & Daniels, Inc. (Dirs.), 250 Front, New York
Wilhelm A. Co. (Dry, Pulp & in Oil), Reading, Pa.
Willey C. A. Co. (Dry Colors), Hancock, Long Island City, N. Y.
WILLIAMS C. K. & CO. ("Anchor Brand," Miners & Exporters), Easton, Pa. *See adv index at end of book*
Wix Chas. & Co., 45 Vesey, New York
Wood's Henry Sons Co. (Dry Color Mfrs.), Wellesley, Mass.

2886— Color Matching Outfits

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Tweedy Co. (Mfg. Agents), 456 Montgomery, San Francisco, Cal.
Ullmann Mfg. Co., 333 E 53th, New York

2886a— Colorimeters

Bausch & Lomb Optical Co., Rochester, N. Y.
Daigger A. & Co., 54 W. Kinzie, Chicago, Ill.
Eimer & Amend ("Duboseq," "Dunning"), 205 E. 18th, New York
Scientific Utilities Co., Inc., 18 E 16th, New York
Spencer Lens Co., 444 Niagara, Buffalo, N. Y.

2887—Coloring (Incandescent Lamp)

Arts Electric Co. (Safety Frost Harmless Chemical Preparations), Troy, N. Y.
Barrett M. L. & Co., 233 W Lake, Chicago, Ill.
Egyptian Lacquer Mfg. Co., 5 E 40th, New York
Franche C. E. & Co. ("Permacolor," "Orleans," "Cefco," "Franco"), 440 Orleans, Chicago, Ill.
McGill Mfg. Co. ("Crescent"), 77 Oak, Valparaiso, Ind.
Paragon Electric Co. (Frostings, etc., Jobbers, 446 7th av, New York
Perma-Color-Lite Products Corp. ("Permafrost"), 495 Broome, New York
Union Electric Co. ("Etcholite" Lamp Frosting), 933 Liberty av, Pittsburgh, Pa.
Universal Electric Stage Lighting Co. Inc. (Kliegl. Bros.) ("Signaloid," "Kliegl Bros."), 321 W. 50th, New York
Waldman, John J., 64 Murray, New York
Williams Guy V Co., Inc. ("Super-Frost" "Wilco Colorine" Coatings for Acid Etching Glass), 686 Eleventh av, New York

2887a— Colors (Acid)

Butterworth-Judson Corp., 30 Church, New York
Campbell John & Co., 75 Hudson, New York
Central Dyestuff & Chemical Co., Newark, N. J.
Dicks David Co. Inc., 44 Watts, New York
Dye Products & Chemical Co., Inc., 200 5th av, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Metz H. A. & Co., Inc., 122 Hudson, New York
National Aniline & Chemical Co., Inc., 40 Rector, New York
Wetterwald & Pfister Co., 276 Spring, New York

C. K. Williams & Co.
EASTON, PA.
The following are a few of the various products we manufacture:
AGALITE
ASBESTINE
ASBESTOS POWDER ("Anchor Brand")
CLAYS (China) (Bolted)
CLAYS, MINERALS, Etc. (Mineral Pulp Clays, Ochres, etc.)
COLOR MFRS. & IMPORTERS ("Anchor Brand," Miners and Exporters)
COLORS and FILLERS (Paper Makers)
MOTOR COLOR MFRS.
SLATE GRANULES
OCHRES ("Anchor Brand")
OXIDE OF IRON ("Anchor Brand" Dry)
PAINT MFRS. (Dry)
REDS (Venetian) and all Dry Paint Pigments ("Anchor Brand")
TALC (Powdered)
TERRA ALBA
UMBER ("Anchor Brand") (Earth and Siennas) (Raw and Burnt)
SOAPSTONE
BARYTES
Correspondence and inquiries earnestly solicited
Samples and estimates furnished upon application
Plants No. 1-2-3 and 4 at EASTON, also Plants at ALLENTOWN, FLEETWOOD, Pa.; ONTARIO, N. Y., and MINERAL POINT, Mo.

2888— Colors (Alizarine)

American Aniline Products Inc., 80 5th av, New York
Bayer Co., 117 Hudson, New York
Berlin Aniline Works (Imp), 213 Water, New York
Dicks David Co. Inc., 44 Watts, New York

Dunker & Perkins (Distributors), 287 Atlantic av, Boston, Mass.
Dye Products & Chemical Co., Inc., 200 Fifth ave, New York
Farbwerke-Hoechst Co., 122 Hudson, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Imperial Color Works, Glen Falls, N. Y.
National Aniline & Chemical Co., Inc., 40 Rector, New York
Rice Edw. E. & Co. ("E. Ruch & Co." Imported), 620 Atlantic av, Boston, Mass.
Thayer E. M. & Co., 36 Purchase, Boston, Mass.
Wetterwald & Pfister Co., 276 Spring, New York

Colors (Aniline)

See Aniline Colors, Dyes & Dyestuffs

2888a— Colors (Basic)

Am. Aniline Products, Inc., 80 Fifth av, New York
Butterworth-Judson Corp. (Crystal, Violet 6, Victoria Blue B, Victoria Blue Base, Victoria Blue Crystal), 30 Church, New York
Campbell John & Co., 75 Hudson, New York
Central Dyestuff & Chemical Co., Newark, N. J.
Dicks David Co. Inc., 44 Watts, New York
Dye Products & Chemical Co., Inc., 200 5th av, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Metz H. A. & Co., Inc., 122 Hudson, New York
National Aniline & Chemical Co., Inc., 40 Rector, New York
Wetterwald & Pfister Co., 276 Spring, New York

2889— Colors (Butter)

Burrell D. H. & Co. ("Hansen's" Danish), Little Falls, N. Y.
Hansen's Chr. Laboratory, Little Falls, N. Y.
Heller & Merz Co. ("Alderney"), 503 Hudson, New York
Kohnstramm H. & Co., 89 Park pl, New York
McNulty Joseph A., 116 Liberty, New York
Thatcher Mfg. Co., Elmira, N. Y.

2889a— Colors (Carbon Paper)

McNulty, Joseph A., 114 Liberty, New York
See adv index at end of book

2889b— Colors (Cement)

Hachmeister-Lind Chemical Co., Pittsburgh. Pa.
Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
McNulty Joseph A. (Uniform Cement products are possible with our Red Oxide of Iron. Send for samples), 114 Liberty, New York
See adv index at end of book
Special Service Flooring Corp., 2039 Grand Central Terminal, New York
Toch Bros., 320 5th av, New York

2889c— Colors (Ceramic)

Drakenfeld B. F. & Co., Inc. (Mfrs., Imps. & Exps.), 50 Murray, New York
Hachmeister-Lind Chem. Co., Pittsburgh, Pa.
HANOVIA CHEMICAL & MANUFACTURING CO. (Lusters), 100 Chestnut, Newark, N. J.
HARSHAW FULLER & GOODWIN CO., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Hommel O. Co., 209 4th av, Pittsburgh, Pa.
Roessler & Hasslacher Chem. Co., 709 6th av, New York
See adv index at end of book

2889d— *Colors (China)

See also Particular Color

DRAKENFELD B. F. & CO., INC.), (Mfr., Imp. & Exp.), 50 Murray, New York

2889e— Colors (Chrome)

See also Particular Color

Butterworth-Judson Corp., 30 Church, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
National Aniline & Chemical Co., Inc., 40 Rector, New York

2890— Colors (Coal Tar)

See Also Coal Tar Products

American Aniline Products Inc., 80 5th av, New York
Campbell John & Co., 75 Hudson, New York
Central Drystuff & Chemical Co. (For Textile Trade), Newark, N. J.
Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*

2890a— Colors (Cochineal)

Kohnstamm H. & Co. (No. 40 Carmine), 89 Park pl, New York

2890b— Colors (Confectioners)

Bush W. J. & Co. Inc., 370 7th av, New York
Henderson Thos. & Co., Inc., 14 Cliff, New York
Kohnstamm H. & Co., 39 Park pl., New York
National Aniline & Chemical Co., Inc., 40 Rector, New York
Nat'l Gum & Mica Co., 12 W End av, New York

2890b1—Colors (Developed)

National Aniline & Chemical Co., Inc., 40 Rector, New York

2890c— Colors (Direct)

Am. Aniline Products, Inc., 80 Fifth av. New York
Butterworth-Judson Corp. (Blue 2B, Green B, Black G R Ch., Brown M, Violet N, Red F), 30 Church, New York
Campbell John & Co., 75 Hudson, New York
Central Dyestuff & Chemical Co., Newark, N. J.
Dicks David Co. Inc., 44 Watts, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Metz H. A. & Co., Inc., 122 Hudson, New York
Monroe Color & Chemical Co., Quincy, Ill.
National Aniline & Chemical Co., Inc., 40 Rector, New York
Peerless Color Co., Bound Brook, N. J.
Wetterwald & Pfister Co., 276 Spring, New York

Colors Dry

See Color Mfrs. & Importers

2890d— Colors (Earth)

Binney & Smith Co., 41 E 42nd, New York
McNULTY JOSEPH A., 114 Liberty, New York
See adv index at end of book
Uhlich, Paul Co. (Imp.), 11 Cliff, New York

2890e— Colors (Enamel)

DRAKENFELD B. F. & CO., INC. (Mfrs., Imps. & Exps.), 50 Murray, New York
DU PONT E. I. DE NEMOURS & CO. INC., Paint & Varnish Dept. (See Adv. at Paint), 3500 Gray's Ferry rd, Phila, Pa.
See adv index at end of book
Fergusson Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Hommel O. Co., 209 4th av, Pittsburgh, Pa.

2890f— Colors (Food)

Kohnstamm H. & Co. (Certified), 89 Park pl, New York
National Aniline & Chemical Co. Inc. (Certified), 40 Rector, New York

2891— Colors (Fresco)

Harmon Color Works Inc., College Point, L. I., N. Y.
Longman & Martinez, 110 William, New York
Lucas John & Co., 322 Race, Phila., Pa.
Schrader, Whittick & Co., 1313 Clybourne av, Chicago, Ill.
Wadsworth-Howland & Co., 141 Federal, Boston, Mass.

2891a1— *Colors (Glass)

DRAKENFELD B. F. & CO., INC. (Mfrs., Imps. & Exps.), 50 Murray, New York

2891a— Colors (Ink)

Ansbacher A. B. & Co., 527 5th av, New York
California Ink Co., Dept. H, 4th & Camelia, Berkeley, Cal.
Central Dyestuff & Chemical Co. (Writing & Printing), Newark, N. J.
Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Marx Max Color & Chemical Co., Irvington, N. J.
Siegle G. Co., Rosebank, N. Y.

2891b— Colors (Iron Blue)

California Ink Co., Dept H, 4th & Camelia, Berkeley, Cal.
Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
United Color & Pigment Co. (Prussian, Milon, Chinese & Bronze), Waverly Newark, N. J.

2891c— Colors (Lake)

Binney & Smith Co., 41 E 42d, New York
California Ink Co., Dept. H, 4th & Camelia, Berkeley, Cal.
Central Dyestuff & Chemical Co., Newark, N. J.
Imperial Color Works, Inc., Glen Falls, N. Y.
Nat'l Gum & Mica Co., 12 W End av, New York
United Color & Pigment Co. (Red, Blue Yellow & Green), Waverly, Newark, N. J.
Waldo E. M. & F., 11 B'way, New York

2891d— Colors (Leather)

Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
McNulty Joseph A., 114 Liberty, New York
See adv index at end of book

2891e— Colors (Linoleum)

Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
McNulty Joseph A., 114 Liberty, New York
See adv index at end of book

2891f— Colors (Mineral)

Binney & Smith Co., 41 E 42nd, New York
Cooper & Cooper Inc., 23H Cliff, New York
Special Service Flooring Co., 2009 Grand Central Terminal, New York
Waldo E. M. & F. (Selling Agents), 11 B'way, New York

Colors (Oil)

See Color Mfrs. & Importers; also Paints Oil.

2891g— Colors (Paint)

Binney & Smith Co., 41 E 42nd, New York
California Ink Co., Dept. H, 4th & Camelia, Berkeley, Cal.
HARSHAW, FULLER & GOODWIN CO. 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
McNULTY JOSEPH A. (The finest type of Iron Oxides for use in paint & varnish products. Our colors guaranteed uniform), 114 Liberty, New York
See adv index at end of book
Nice Eugene E., 268 S 2nd, Phila., Pa.
Siegle G. Co., Rosebank, N. Y.

2891h— Colors (Printing Ink)

Binney & Smith Co., 41 E 42nd, New York
California Ink Co., Dept. H, 4th & Camelia, Berkeley, Cal.
DU PONT E. I. DE NEMOURS & CO. INC., (Lithopone, Pigments & Heavy Chemicals Div.), 3500 Grays Ferry rd, Phila., Pa. *See adv index at end of book*
Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
McNulty Joseph A., 114 Liberty, New York
See adv index at end of book

2892— Colors (Pulp)

Crescent Color & Chemical Wks (For Wall Paper Mfrs.), 12 W End av, New York
Devoe & Raynolds Co. Inc., 101 Fulton, New York
DU PONT E. I. DE NEMOURS & CO. INC., (Lithopone, Pigments & Heavy Chemicals Div.), 3500 Grays Ferry rd. Phila., Pa. *See adv index at end of book*
Harmon Color Works Inc., College Point, L. I., N. Y.
Imperial Color Works, Glens Falls, N. Y.
Jaenecke-Ault Co., Newark, N. J.
Kohnstamm H. & Co., 89 Park pl, New York
Lucas John & Co., 322 Race, Phila., Pa.
Marx Max Color & Chemical Co., Irvington, N. J.
Pecora Paint Co., 4th & Sedgley av, Philadelphia, Pa.
Siegle G. Co., Rosebank, N. Y.
United Color & Pigment Co., Waverly, Newark, N. J.

2892a—Colors (Rubber Makers)

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
McNULTY JOSEPH A. (Bright & Maroon Reds produced especially for rubber makers, fine grinding & uniform color guaranteed. Test samples on request), 114 Liberty, New York
See adv index at end of book

2893— Colors (Soap)

Campbell John & Co., 75 Hudson, New York
Central Dyestuff & Chemical Co., Newark, N. J.
Dunker & Perkins (Distributors), 287 Atlantic av, Boston, Mass.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Lueders Geo. & Co. (Imported), 218 Pearl, New York

2893a— Colors (Soluble Oil)

Am. Aniline Products, Inc., 80 Fifth av, New York
Dicks David Co. Inc., 44 Watts, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at endof book*

2894— Colors (Steel)

Doggett Stanley, 11 Cliff, New York
Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, O.

2895— Colors (Sulphur)

American Aniline Products Inc., 80 5th av, New York
Berlin Aniline Works (Imp.)(Black, Blue, Brown, Green & Yellow), 213 Water, New York
Campbell John & Co., 75 Hudson, New York
Ciba Co. Inc. (Blacks, Blues, Brown, etc.), 134 Cedar, New York
Dicks David Co. Inc., 44 Watts, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Hine Bros. (Hybro), 68 Wm., New York
Kuttroff Pickhardt Co., Inc. (Selling Agents), 128 Duane, New York
Marden, Orth & Hastings Co., 136 Liberty, New York
Metz H. A. & Co., Inc., 122 Hudson, New York
National Aniline & Chemical Co., Inc., 40 Rector, New York
Sykes Walter F & Co. (Imp.), 8 Lispenard New York
Williamsburg Chemical Co., 230 Morgan av, Brooklyn, N. Y.

2895a— Colors (Wood Stain)

Central Dyestuff & Chemical Co., Newark, N. J.
Fergusson Alex. C. Jr. (& Filler), 474 Chestnut, Phila., Pa. *See adv index at end of book*

2896—Colors & Fillers (Paper Makers')

Campbell John & Co., 75 Hudson, New York
French Sam'l H. & Co., 4th & Callowhill, Phila., Pa.
Harmon Color Works Inc., College Point, L. I., N. Y.
Imperial Color Works, Glens Falls, N. Y.
Kuttroff Pickhardt & Co., Inc. (Selling Agents), 128 Duane, New York
Lucas John & Co., 322 Race, Phila., Pa.
McNulty Joseph A., 114 Liberty, New York *See adv index at end of book*
United Color & Pigment Co., Waverly, Newark, N. J.
WILLIAMS C. K. & CO., Easton, Pa. *See adv index at end of book*

2897— Column Coverings

A. B. Fireproofing Co., 64 W Randolph, Chicago, Ill.
Gypsite Fireproofing Co., Penobscot bldg, Detroit, Mich.
National Fireproofing Co., 1100 Fulton bldg, Pittsburgh, Pa. *See adv index at end of book*
U. S. Gypsum Co. ("Pyrobar"), 205 W Monroe, Chicago, Ill.

2897a— Columns (Absorbing)

Badger E. B. & Sons Co., 75a Pitts, Boston, Mass. *See adv index at end of book*
Buffalo Fdy. & Machine Co., 65 Winchester, Buffalo, N. Y. *See adv index at end of book*
Devine J. P. Co., Buffalo, N. Y.
Glamorgan Pipe & Fdry. Co., Lynchburg, Va.
Roos Chas. A., 429 E 91st, New York
Scott Ernest & Co. ("Scott"), Fall River, Mass.

2898— Columns (Cast Iron)

See also Firms under Classification Iron, Architectural & Ornamental Marked with a (*) Star
Am. Bridge Co., 71 Broadway, New York
Beard Foundry & Machine Wks. ("White Way"), Dept. H, Arkansas City, Kans.
Bethlehem Fence Wks., Bethlehem, Pa.
BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y. *See adv index at end of book*
Canton Foundry & Machine Co., Canton, Ohio
Ernst's Chas. F. Sons, 75 Lathrop, Buffalo, N. Y.
Republic Structural Iron Wks Co., 1350 E 53d, Cleveland, O.
ST. PAUL FOUNDRY CO., Como av & Mackubin, St. Paul, Minn. *See adv index at end of book*

2899—Columns (Cast Iron Pipe)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y. *See adv index at end of book*
Republic Structural Iron Wks, 1350 E 53d, Cleveland, O.
Wood R D. & Co., 400 Chestnut, Phila., Pa

2900—Columns (Concrete Reinforced)

Atlas Copper & Brass Mfg. Co., 2734 High, Chicago, Ill.
Concrete Steel Co., 42 B'way, New York
Electric Welding Co., Benedum Trees bldg, Pittsburgh, Pa.
Lally Column Co., 4001H Wentworth av, Chicago, Ill.
Lally Column Co. ("Lally"), Erie & Albany, Cambridge, Mass.
Milford Iron Foundry, Milford, Mass.
Republic Structural Iron Wks Co., 1350 E 53d, Cleveland, O.
Scranton Iron & Steel Co., Scranton, Pa.
Smith A. L. Iron Wks. ("Smithcrete"), Dept. H, Chelsea, Mass.

2900a— Columns (Distilling)

Badger, E. B. & Sons Co., 75a Pitts, Boston, Mass. *See adv index at end of book*
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y. *See adv index at end of book*
Devine J. P. Co., Buffalo, N. Y.
Green Samuel M., Co., Springfield, Mass.
Lummus Walter E. Co., 171 Milk, Boston, Mass.
Oat Jos. & Sons, 228 Quarry, Phila., Pa.
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Anngeles, Cal.
Roos Chas A., 429 E 91st, New York
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Welded Steel Barrel Corp, Hart & Charlevoix av, Detroit, Mich.

2901— Columns (Fire Proof)

Lally Column Co. ("Lally"), Erie & Albany, Cambridge, Mass.
National Fireproofing Co., 1100 Fulton bldg, Pittsburgh, Pa. *See adv index at end of book*
Pfaff & Kendall ("Hercules"), 655 Ferry, Newark, N. J.

2902—Columns (Mercury Testing)

Garrison Brass & Machine Works, 107 W 13th, New York
Helland Geo. W. ("Beekman"), 107 W 13th, New York

2903— Columns (Metal)

Donley Bros. Co. (The), 13935 Miles av, Cleveland, O. *See adv index at end of book*
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O. *See adv index at end of book*

2904—Columns (Porch, Pressed Steel)

Union Metal Mfg. Co. ("Union"), Canton, O.

2905—Columns (Porch & Interior, Wood)

American Sash & Door Co. (Wholesale Mfrs.), Kansas City, Mo.
Bossert Louis & Son (Wholesale Mfrs.), 1335 Grand, Brooklyn, N. Y.
Bryson City Pump Works Co. (Solid Bored Colonial Columns), Bryson City, N. C.
Brockway-Smith Corp., 98 Canal, Boston, Mass.
Carr, Ryder & Adams Co. (Wholesale Mfrs.), Dubuque, Iowa
Carr & Baal Co., Des Moines, Ia.
Carter Mfg. Co., Keokuk, Ia.
Central Wood Turning Co., 610 N E Main, Minneapolis, Minn.
Chicago Millwork Supply Co. (For the Trade Only), 1404 W 37th, Chicago, Ill.
Crandall G. H. Co., Cohoes, N. Y.
Cream City Sash & Door Co. (For the Trade Only), 601 Park, Milwaukee, Wis.
Curtis Bros. & Co. (Wholesale Mfrs.), Clinton, Ia.
Curtis, Towle & Paine Co. (Wholesale Mfrs.), Lincoln, Neb.
Curtis & Yale Co. (Wholesale Mfrs.), Wausau, Wis.
Dickey A. & Co. (Piazza, etc., Wholesale), 37 Bristol, Boston, Mass.
Dixon Lumber & Millwork Co., Weldon, N. C.
Doane & Jones Lumber Co. (Perfect Joint), Elmira, N. Y.
Falls City Lbr. & Logging Co., (Of Fir Wood), Northwestern Bank bldg, Portland, Ore.
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Fitzgerald-Speer Co. ("Cummins" Steel Bound), Pen Argyl, Pa.
Gauger Jno. A. & Co. (For the Trade Only), 1434 W 22d, Chicago, Ill.
Gordon Vantine Co., Davenport, Ia.
Grand Rapids Lumber Co., Grand Rapids, Mich.
Grays Harbor Commercial Co., foot of 3rd, San Francisco, Cal.
Hartmann Sanders Co. ("Koll's" Lock Joint), 2155 Elston av, Chicago, Ill.
Huttig Mill Wk. Co., Kansas City, Mo.
Hyde-Murphy Co., Ridgway, Pa.
Iroquois Door Co. (Wholesale Mfrs.), 629 Exchange, Buffalo, N. Y.
Koll A. J. Planing Mill Co., 421 Colyton, Los Angeles, Cal.
Lawrence, P. M. Co. (Wholesale Mfrs.), Augusta, Me.
Lecoutour Bros. Stair Mfg. Co., 4523 Shaw av, St. Louis, Mo.
Loetscher & Burch Mfg. Co., Des Moines, Ia.
McClelland T. W. Co. (Wholesale Mfrs.), Davenport, Ia.
McMillen R. Co. (For the Trade Only), Oshkosh, Wis.
Morgan Sash & Door Co. (For the Trade Only), 2287 Blue Island av, Chicago, Ill.
National Mill & Lumber Co., 20 Market, San Francisco, Cal.
National Sash & Door Co. (Wholesale Mfrs.), N Dupre Toulouse & in Div. New Orleans, La.
Nelson Lumber & Mfg. Co., 323 Dublin av, Columbus, O.
Nickerson Mfg. Co. ("Nickerson" Double Lock Joint), 8th av, Knoxville, Tenn.
Ohio Scroll & Lumber Co., Covington, Ky.
Pacific Mutual Door Co., Tacoma, Wash.
Paine Lumber Co., Ltd. (For the Trade Only), Oshkosh, Wis.
Rittenhouse Bros., Cadiz, O.
Roberts Sash & Door Co., 920 W 20th, Chicago, Ill.
Robinson Mfg. Co., Everett, Mass.
Rock Island Sash & Door Works (Wholesale Mfrs.), Rock Island, Ill.
Rockwell Mfg. Co. (For the Trade Only), 572 Park, Milwaukee, Wis.
Saco Mfg. Co. ("Colonial"), Saco, Me.
St. Louis Sash & Door Works (For the Trade Only), B'way & Destrehan, St. Louis, Mo.
Sanders Bros. Mfg. Co. (Wholesale Mfrs.), Ottawa, Ill.
Schaefer Louis (Colonial), 4507 Filmore, Chicago, Ill.
Schwerd A. F. Mfg. Co., North Side, 145 McClure, Pittsburgh, Pa.
Seattle Cedar Lumber Mfg. Co., Seattle, Wash.
Somerset Door & Column Co., Somerset, Pa.
Springfield Planing Mill & Construction Co., Springfield, Mo.
STEARNS, A. T., LUMBER CO., 100 Taylor, Boston, Mass. *See adv index at end of book*
Theriot Fred J., 5124-6 Moneta av, Los Angeles, Cal.
Union Metal Mfg. Co. ("Union"), Canton, Ohio
Washington Mfg. Co. ("Samson"), Tacoma, Wash.
Whatcom Falls Mill Co. (Red Cedar for Trade Only), Bellingham, Wash.
Wheeler-Osgood Co. (Fir), Tacoma, Wash.
Wilkinson Allen A. Lumber Co., Mich. & Pine, Indianapolis, Ind.
Zimmerman Chas. E., 204 Burnet av, Syracuse, N. Y.

2906— Columns (Steel Pipe)

American Column Co. (Steel Sewed Stay Locked), Battle Creek, Mich.
Atlas Steel Column Mfg. Co. (Filled with Concrete), 321 N 8th, Brooklyn, N. Y.
Donley Bros. Co. (The) (Basement Columns), 13935 Miles av, Cleveland, Ohio *See adv index at end of book*
Lally Column Co. ("Lally" Concrete Filled), Erie & Albany, Cambridge, Mass.
McCred Jas & Co., 562 W Washington, Chicago, Ill.
Mostberger Iron Co., 878 S Division, Buffalo, N. Y.
National Tube Co. ("National"), Frick bldg, Pittsburgh, Pa.
Skinner M. B. Co., 562 W Washington, Chicago, Ill.

2906a— Comb & Brush Sets

Schimper William & Co., 322-338 Ferry, Hoboken, N. J.

2907— Combs (Aluminum)

Aluminum Goods Mfg. Co., Manitowac, Wis.
Illinois Pure Aluminum Co., Lemont, Ill.
Union Aluminum Co., Doylestown, O.

2908— Combs (Celluloid)

Bay State Comb Co., Leominster, Mass.
Blodgett B. F. & Co. (Back & Side), Leominster, Mass.
Celluloid Co., 36 Washington pl, New York
Earl W. D. Co., Leominster, Mass.
Fitchburg Horn Goods Co., Fitchburg, Mass.
Howe Comb Co. (& Novelties), Leominster, Mass.
Kingman E. B. Co., Leominster, Mass.
Leominster Shell Goods Mfg. Co., Leominster, Mass.
Napier-Browning Co., 105 W 40th, New York
Puritan Comb Co., Leominster, Mass.
ROYAL COMB CO. ("Pyroxolyn"), 180 Pond, Leominster, Mass.
Sadler Bros., S Attleboro, Mass.
Standard Comb Co., Leominster, Mass.

2908a— Combs (Hair)

See also Combs, Various Kinds

American Hard Rubber Co., 19 Mercer, New York
California Comb Co., I. W. Hellman bldg, Los Angeles, Cal.
Diamond State Fibre Co., Dept. 37, Bridgeport, Pa.
See adv index at end of book
DU PONT E. I. DE NEMOURS & CO., INC., Pyralin Dept. ("Pyralin," & Infants, see adv. at Celluloid), Arlington, N. J.
See adv index at end of book
Fiberloid Corp. ("Ivory Fiberloid" Dressing & Barbers'), Dept. H. Indian Orchard, Mass.
ROYAL COMB CO. ("Pyroxolyn"), 180 Pond, Leominster, Mass.
Sadler Bros., S Attleboro, Mass.
Walton, Jacob W. Sons, 1615 Ruan, Phila., Pa.

2909— Combs (Hair Drying)

Nicol & Co. ("Queen"), 218 N Jefferson, Chicago, Ill.
Russell Electric Co. ("Hold-Heet" Electric), 340 W Huron, Chicago, Ill.

2910— Combs (Horn)

Athol Comb Co., Athol, Mass.
Diadem Mfg. Co., Fitchburg, Mass.
Horn Products Co., Leominster, Mass.
Noyes Comb Co., Binghamton, N. Y.
Wilcox Joseph, Athol, Mass.

2910a— Combs (Lacing Fibre)

Diamond State Fibre Co., Dept. 37, Bridgeport, Pa.
See adv index at end of book

2911— Combs (Mane)

Covert Saddlery Works, Interlaken, N. Y.
Rubber & Celluloid Products Co. (Hard Rubber "Albright" Round & Beaded Wire, White Celluloid & "Walker's" Rubber Compound), 56 Ferry, Newark, N. J.
Walton Jacob W. Sons, 1615 Ruan, Phila., Pa.

2912—Comealongs or Wire Pullers

See also Grips, Cable

B-R Electric ("Penna," Tightener), 1411 Walnut, Kansas City, Mo.
Burr Mfg. Co., Whitney Power blk, Cleveland, O.
Dicke Tool Co. ("Howe"), Downers Grove, Ill.
Eureka Fence Mfg. Co. ("Sedgwick"), Richmond, Ind.
Eureka Co. ("Parallel," "Westfield"), North East, Pa.
Irvington Mfg. Co., Irvington, N. J.
Klein, Mathias & Sons, 3200 Belmont av, Chicago, Ill.
Rittenhouse A. F. Co., Honeoye Falls, N. Y.
Sawyer C. L., Miller's Falls, Mass.
Smith & Hemenway Co., Inc., 261 H B'way, New York, & 130 H Coit, Irvington, N. J.
See adv index at end of book
Union Elec. Mfg. Co., Pekin, Ill.
Western Electric Co. ("Buffalo Grip"), 463 West, New York

2912a—Commercial Stationers' Supplies

GLOBE-WERNICKE CO. THE, 25 Carthage av, Cincinnati, O.
See adv index at end of book

Commutator Building & Refilling

See Armature Rewinding & Commutator Refilling

Commutator Copper

See Copper for Commutator Bars

Commutator Dressing

See Compounds, Commutator

Commutator Segments

See Bars, Commutator

2913—Commutator Truing Device

Fort Wayne Electric Works of General Electric Co., Fort Wayne, Ind.
Jordan Bros., 74 Beekman, New York

2914— Commutators

See also Armatures

Bakelite Corp. (Electrical molded), 247 Park av, New York
See adv index at end of book
Barker Bros. Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
Bissell, F., Co. ("Bissell"), 226 Huron, Toledo, Ohio.
Boston Armature Wks., 77 Washington, Boston, Mass.
Cameron Electrical Mfg. Co. ("Cameron"), 211 Main, Ansonia, Conn.
See adv index at end of book

Cameron Electrical Manufacturing Co.
Manufacturers of
COMMUTATORS AND COMMUTATOR SEGMENTS
FOR ALL PURPOSES
211 Main Street - Ansonia, Conn.

Cleveland Armature Wks., 4736 St. Clair av, Cleveland, Ohio
Columbia Machine Wks. & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.
Columbus Electrical Works Co., 247 North Front, Columbus, O.
Derby Commutator Co., Caroline, Derby, Conn.
Doubleday-Hill Elec. Co., 719 Liberty av, Pittsburgh, Pa.
ELECTRIC MATERIALS CO., North East, Pa.
Eureka Co. (Refilling), North East, Pa.
Gee Electric Co., Wheeling, W. Va.
GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book
Hill-Smith Metal Goods Co. ("H. S." for Automobiles), 82 Brookline av, Boston, Mass.
Homer Commutator Co., 4748 Hough av N E, Cleveland, O.
Kendrick-Davis Co. (Mica Insulating, "K.-D."), Lebanon, N. H.
Pacific Auto Specialty Co. ("Pacific" for Fords), 320 Market, San Francisco, Cal.
Ridlon Frank Co., 251 A, Boston, Mass.
Sackett Mine Supply Co., 164 N 3d, Columbus, O.
Toledo Standard Commutator Co., Toledo, Ohio
Wente Electric Co., Hamilton, O.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

2914a— Comparators

Bausch & Lomb Optical Co., Rochester, N. Y.
Scientific Utilities Co., 18 E 16th, New York
Weston-Electrical Instrument Co., Waverly Park, Newark, N. J.

2914b—*Compartment Lockers

See also Lockers (Compartment)

DURABILT STEEL LOCKER CO., Aurora, Ill.
See adv index at end of book

2914c—Compasses (Aeroplane)

Pioneer Instrument Co., 754 Lex. av, Brooklyn, N. Y.
Sherman Eugene M., Bellevue, Wash.
Sperry Gyroscope Co. ("Sperry"), 40 Flatbush av, Brooklyn, N. Y.
Taylor Instrument Co., Rochester, N. Y.

2915—Compasses (Blackboard)

ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*

2916—Compasses (Carpenters', Etc.)

Athol Mach. & Foundry Co., Athol, Mass.
Kraeuter & Co., 583 18th av, Newark, N. J.
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Peck, Stow & Wilcox Co., Southington, Conn.
Pfister Wm. H., 230 W 4th, Cincinnati, O.
Prince L. M. Co., 108 W 4th, Cincinnati, O.
Queen-Gray Co., 64H W. Johnson, Phila., Pa.
Schollhorn Wm. Co., 414 Chapel, New Haven, Conn.
Schuette Recording Compass Co. (Marine Recording), Manitowoc, Wis.
Starrett L. S. Co., Athol, Mass.

2916a— Compasses (Saddlers)

Osborne C. S. & Co., Box 183, Newark, N. J.
See adv index at end of book

2917—Compasses (Ship, Etc.)

Benson Electric Co. (Recording), Superior, Wis.
Durkee Chas. D. & Co. (Dry & Liquid), 2 South, New York
Kelvin & Wilfred O. White Co., 112 State, Boston, Mass.
Kuner Max Co., 804 1st av, Seattle, Wash.
Marine Compass Co., Bryantville, Mass.
Merrill's R. Sons, 66 South, New York
Nautical Instruments Mfg. Co., Inc., 82 Beaver, New York
Negus T. S. & J. D., 140 Water, New York
Ritchie E. S. & Sons (Liquid Marine), Brookline, Mass.
Schuette Recording Compass Co. (Marine Recording), Manitowoc, Wis.
Sherman Eugene M., Bellevue, Wash.
Sperry Gyroscope Co. ("Sperry"), 40 Flatbush av, Brooklyn, N. Y.
Wenle Louis Co., 6 California, San Francisco, Cal.
WILCOX CRITTENDEN & CO. INC. (Liquid). 444 S Main, Middletown, Conn. *See adv index at end of book*
Williams & Wells Co., 253 Fulton, New York *See adv index at end of book*

2918—Compasses (Surveyors' & Engineers')

Dietzgen Eugene Co. ("Economy" Beam), 166 W Monroe, Chicago, Ill.
Elliott B. K. Co. (Railroad, Surveying, Miners', etc.), 126 6th, Pittsburgh, Pa.
Gurley W. & L. E. (Railroad, Vernier, Plain, Pocket Dip & Needle, etc), Troy, N. Y.
Hand John & Sons Co. (Spirit & Dry), 208 Chestnut, Phila., Pa.
Keuffel & Esser Co. (Also Hunters' Pocket Compasses), Hoboken, N. J.
Marble Arms & Mfg. Co. ("Marble's" Handy for Hunters, etc), Gladstone, Mich.
Van Dyke Hardware & Mfg. Co., 308-10 1st av, Seattle, Wash.
Taylor Instrument Companies ("Tycos"), Rochester, N. Y.
Weber F. Co., 1220 Buttonwood, Philadelphia, Pa.

2919— *Compensarcs

GENERAL ELECTRIC CO. (For Motion Picture Projection), Schenectady, N. Y. *See adv index at end of book*

2920—*Compensators (Arc Lamp)

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*

2920a—*Compensators (Automatic)

Electric Controller & Mfg. Co., Cleveland, O. *See adv index at end of book*

2921— Compensators (Gas)

Isbell-Porter Co., 46 Bridge, Newark, N. J.

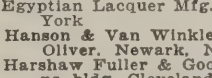
2921a—*Compensators (Motor Starting)

Allis-Chalmers Mfg. Co., Milwaukee, Wis
See adv index at end of book
GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book

2922— Compositions (Buffing)

See Tripoli; also Rouge

American Tripoli Co. ("Tripoli Flour"), Seneca, Mo.
Barker Bros., Inc., 6 Leo pl, Brooklyn, N. Y.
See adv index at end of book

Buffing Compositions
Barker Brand
Tripoli, cut and color, emery paste, lime finish, rouge, celluloid compositions.

BARKER BROS., Inc.
6 Leo Place
Brooklyn, N. Y.

Bennett-O'Connell Co., 3600 S Morgan, Chicago, Ill.
Bennett & Seeley, Inc., Bridgeport, Conn.
Buchanan Thos. Co. The (& Polishing), 114 W Pearl, Cincinnati, O.
See adv index at end of book
Burns E. Reed (Tripoli, Crocus Rouge, "Star" White Metal), 27 Jackson, B'klyn, N. Y.
Day S. A. Mfg. Co. ("Crescent X X" White Finish), 1483 Niagara, Buffalo, N. Y.
Dixon Wm. (& Polishing), 119 Fulton, New York
Egyptian Lacquer Mfg. Co., 5 E 40th, New York
Hanson & Van Winkle Co. ("Acme"), 269 Oliver, Newark, N. J.
Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Hill & Griffith Co. ("Magic" White Finish & Tripoli Buffing Compound), 1248 State av, Cincinnati, O.
See adv index at end of book
Lyman John R. Co. (Rouge), 95 Liberty, Springfield, Mass.
McNulty Joseph A., 114 Liberty, New York
See adv index at end of book
Matchless Metal Polish Co. ("White Diamond" for All Metals, Hard Rubber, etc.), 151 Varick, New York
Munning A. P. & Co., Matawan, N. J.
New York Buff Co., 110 E 42nd, New York

(Continued on following page)

Compositions (Buffing)—Continued

Rhodes Jas. H. & Co. (Glass Polishing Rouge, etc.), 2810 S Albany, Chicago, Ill.
Scheel Wm. H., 179 Water, New York
See adv index at end of book
Smith Facing & Supply Co., 1857 Carter rd, Cleveland, O.
STEVENS FREDERIC B., INC., 3rd & Larned, Detroit, Mich.
See adv index at end of book
U. S. Chemical Co. ("U. S." Brand, White Finish), 3621 Lakeside av, N E, Cleveland, O.
Wiarda John C. & Co. (Rouge, Tripoli Composition, etc.), 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

2922a—Compound (For Greaseproofing & Waterproofing Paper)

Nash Engineering Co. ("Xyloform"), So Norwalk, Conn.

2923—Compound Tables (Drilling Machine)

Hoefer Mfg. Co., Freeport, Ill .
Rockford Machine Tool Co., Rockford, Ill.

2924—Compounds (Acid Tank Lining)

Ohmiac Paint & Refining Co. ("Ohmiac"), 140 S. Dearborn, Chicago, Ill.
Universal Coatings Corp. ("Maritimo"), 104 Broad, New York.
Universal Coatings Corp., 38 Water, New York

2925—Compounds (Anti-Freezing)

Northwestern Chemical Co. ("Thermite," "Twelve-Twenty"), Marietta, O.

Compounds (Boiler)

See Boiler Compounds

2926— Compounds (Brazing)

See also Compounds, Welding

A. & J. Mfg. Co. ("Braziron," for Cast Iron), 559 W Lake, Chicago, Ill.
Anti-Borax Compound Co. "E-Z" Anti-Borax), Ft. Wayne, Ind.
Dixon Joseph Crucible Co., Jersey City, N. J.
Dixon, Wm., 119 Fulton, New York
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Krembs & Co. ("Fluxine"), 667 W Ohio, Chicago, Ill.
National Rubber Specialties Co. ("High Pressure"), Cincinnati, O.
Oldham New York Saw Wks. Inc. ("Oldham"), 112 26th, Brooklyn, N. Y.
PAL-WELD MFG. CO. INC. ("Pal-Weld"), 1207 Pine, Seattle, Wash.
Phillips-Laffitte Co. ("Laffitte," "Unifonte"), Penna. bldg., Phila., Pa.
Standard Brazing Co., 45 Bromfield, Boston, Mass.
Standard Mfg. Co., 318 S Canal, Chicago, Ill.
Tip-It, Inc., 120 B'way, New York
Universal Fluxine Co. ("Universal Fluxine Acme"), Urbana, O.
Victor Oxy-Acetylene Equipt. Co., 844 Folsom, San Francisco, Cal.
See adv index at end of book

Compounds (Buffing)

See Compositions, Buffing

2927— Compounds (Cable)

Mitchell-Rand Mfg. Co. (For Potheads & Terminals), 26 Vesey, New York
Roeblings John & Sons Co., Trenton, N. J.
See adv index at end of book
Ruberoid Co. The ("P. & B.." "Ruberoid"), 95 Madison av, New York
See adv index at end of book

RU-BER-OID
Cable Compound
P & B Rapid Asphalt Paint
A rapidly drying insulating compound of great penetration especially adapted for use on cables. It resists the action of acids and is unaffected by continued moisture.
The RUBEROID Co.
95 Madison Avenue New York

Superior Flake Graphite Co., 76 W Monroe, Chicago, Ill.
Texas Company, The ("Texaco Crater," doubles the life of cables), Dept. D, 17 Battery pl, New York
See adv index at end of book

2928—Compounds (Car Cleaning)

Becker Chemical Co., 19 Main, Cincinnati, O.
Cleanola Co., Fulton bldg, Pittsburgh, Pa.
Idealo Co., Bourse bldg, Walnut S & Sarah, Phila., Pa.
India Alkali Works ("The Savogran"), 28 India Wharf, Boston, Mass.
Lehon Co. ("Mule-Hide" Refrigerator), 4451 S Oakley av, Chicago, Ill.
See adv index at end of book
Modoc Co. ("Perfectol" Car, Locomotive & Signal Blade, Cleaner & Renovator), Fernwood, Phila., Pa.
Wilson-Imperial Co., 115 Chestnut, Newark, N. J.

2929—Compounds (Case Hardening & Tempering)

American Compound Co., 385 Atlantic av, Boston, Mass.
American Tempering Co., Springfield, Ill.
Bell & Gossett Co. ("Caselte," "Carbon" and "Case-Hardo"), 609 W. 30th, Chicago, Ill.
Bennett Metal Treating Co. ("Hetzy"), 1045 New Britain av, Elmwood, Conn.
BUCHANAN THOS. CO. (THE), 114 W Pearl, Cincinnati, O.
See adv index at end of book

CASE-HARDO
The Ideal Quick Case Hardening Agent. Hardens quicker, cleaner and deeper than others and without dangerous fumes. Your hardening problems solved by its use.
THE THOS. BUCHANAN COMPANY
114 West Pearl St. Cincinnati, Ohio
Sole Manufacturers

Case Hardening Service Co. ("Homogen"), 2279 Scranton rd, Cleveland, O.
Climax Refining Co., Williamson bldg, Cleveland, O.
Hafleigh & Co., Cambria & N American, Phila., Pa.
Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Houghton E. F. & Co. ("Houghton's" Case Hardening, Hydro-Carbonated Bone Black for Tempering, "Houghton's" Tempering Oil, 240 W. Somerset, Phila., Pa.
Kasenit Co. ("Kasenit" Case Hardening), 2 Stone, New York
Park Chemical Co., 8467 Lovett, Detroit, Mich.
Phillips Laffitte Co. ("Laffitte"), Penna. bldg, Phila., Pa.
Rodman Chemical Co. ("Carbo"), Verona, Pa.
Rogers & Hubbard Co. ("Black Diamond," "Portland" & "Standard" Granulated Raw Bone), Middletown, Conn.
Scientific Laboratories Co., 2535 Broadway, Cleveland, O.
SHORE INSTRUMENT & MFG. CO. THE (Localizing "Local-case" Selective Case Hardening Process), Jamaica, N. Y.
Springfield Facing Co. ("Bohnite"), 315 Main, Springfield, Mass.
See adv index at end of book

2929a—*Compounds (Clay)

Fergusson Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*

2930— Compounds (Cleaning)

A. B. Polish Co. ("A. B. Brite Lite" Powder), 1515 Haddon av, Chicago, Ill.
Am. Chemical Paint Co., 1118 So. 11th, Phila., Pa.
Babbitt B. T. Inc. ("Babbitt's Cleanser"), 15 W 34th, New York
Ball Chemical Co. ("Cleanola" Car and Locomotive), Fulton bldg, Pittsburgh, Pa.
Blue Seal Chemical Co. (Pipe), 657 11th av, New York
Boyle C. A. & Co. (Enamel), 643 Washington Blvd, Chicago, Ill.
Climalene Co. ("Bowlene"), 1022 9th SW, Canton, O.
Coleman Allan, J. ("C. C. C." Closet), 208 Wabash av, Chicago, Ill.
Cooper Sanitary Mfg. Co. ("S= C" Water Closet Bowl), 34th and Chestnut, Phila., Pa.
Corol Co. (Auto Radiator), 2116 Indiana, Chicago, Ill.
Cudahy Packing Co. ("Old Dutch Cleanser"), 111 W Monroe, Chicago, Ill.
Dittman Mfg. Co. ("Kleenx" for Rugs), 912 Western av, Seattle, Wash.
Easterday Supply Co. ("Blue Cross"), 936 Howard, San Francisco, Cal.
Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa.
See adv index at end of book
Fitzpatrick Bros. ("Klenzer" Compounds for Floors), 1319 W 32d pl, Chicago, Ill.
Ford J. B. Co. ("Wyandotte Detergent" Abrasive Powder for Cleaning, Scouring & Mopping), Wyandotte, Mich.
Fuller W. A. Co. Inc. ("Natrolin"), Greensburg, Pa.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Hygienic Products Co. ("Sani-Flush" Enamel Cleaner), Canton, O.
India Alkali Works ("Marblica," "Savogran" Powders), 28 India wharf, Boston, Mass.
Ind. Chemical & Mfg. Co. (Type-Cleaning), 135 S East, Indianapolis, Ind.
Kendall Products Corp. ("Chek" "Shi-Nof"), 709 6th av, New York
Modoc Co., Fernwood, Pa.
Nacto Cleaner Corp. ("Nacto" Fabric), 2171 Madison av, New York
North Coast Soap Co., 6317 17 av S, Seattle, Wash.
Pacific Chemical Co. ("Blanco"), 1421 N Main, Los Angeles, Cal.
Pacific States Chemical Co. ("Nu-Sol"), 200 Green, San Francisco, Cal.
Parsons J. H. Chemical Co. ("Scoot"), 140 N. Dearborn, Chicago, Ill.
Precision Metal Workers ("Kutol"), 3100 Carroll av, Chicago, Ill.
Samoline Corp. Inc. ("Samoline" paint "U. S. Standard" Bath Room), 1300 Fletcher, Chicago, Ill.
Sapo Chemical Co. (Dry), 4368 Delmar av, St. Louis, Mo.
Schalk Chemical Co. ("Kilstain" Plastic & "Savabrush" Paint Brush Cleaners), 351 E 2nd, Los Angeles, Cal.
Standard Chemical & Supply Co. ("Davis Brown" For Gas Meters), 172 2d, East Cambridge, Mass.
Weber C. F. & Co., 601-9 Mission, San Francisco, Cal.
West Disinfecting Co. ("Westolite" Cleaning Powder), 411 Fifth av, New York
See adv index at end of book
White & Bagley Co., 100 Foster, Worcester, Mass.
WILSON-IMPERIAL CO. (Manufacturers "Imperial" cleaners and renovators for railroad passenger coaches), 115 Chestnut, Newark, N. J.
See adv index at end of book

2931—Compounds (Clutch or Brake)

Armiger Chemical Co. ("Rex" Anti-Slip Brake Wafers), 2155 Austin av, Chicago, Ill.
Mitchell-Rand Mfg. Co., 26 Vesey, New York
Motor Car Supply Co. ("M. C. S."), 1453 Michigan av, Chicago, Ill.
Permatex Co. Inc. ("Permatex"), Sheepshead Bay, N. Y.

2932—Compounds (Commutator)

Acheson Graphite Co., Niagara Falls, N. Y.
Allen L. B. Co. ("Allen"), 4519 N Lincoln, Chicago, Ill.
Burns E. Reed, 27 Jackson, Brooklyn, N. Y.
Dixon Joseph Crucible Co. (Graphite), Jersey City, N. J.
Doe Walter S., Kent, O.
Fowler G. W. & Co., N Tonawanda, N. Y.
Goldmark Jas. Co. ("Trotters"), 83 Warren, New York
Hart & Co. ("Red Cross"), Fostoria, O.
National Refining Co., Rose bldg, Cleveland, O.
Ohio Grease ("Ohio"), Loudonville, O.
Onward Mfg. Co. ("O. C. Little"), Menasha, Wis.
Triad Co., Allenhurst, N. J.
Troy Electrical Co. ("E. G. B."), Troy, N. Y.
Walsh J. F., Pittsfield, Mass.
Warren Lubricant Co., 22 Maurice, Buffalo, N. Y.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

2933—Compounds (Conduit Joint)

Ruberoid Co. The ("P. & B." Rapid Asphalt Paint), 95 Madison av, New York
See adv index at end of book

2934— Compounds (Core)

See also Compounds, Parting

American Gum Products Co. ("Goulac"), 200 5th av, New York
Am. Hominy Co., 1857 Gent av, Indianapolis, Ind.
Bennett & Seeley, Inc. ("Bensee"), 823 Railroad av, Bridgeport, Conn.
Black Products Co. ("Black Diamond"), 135th & Calumet, Chicago, Ill.
Buckeye Products Co., Inc. ("Buckeye," "Linco," "Hercules," "Anchortite"), 915-917 W 5th, Cincinnati, Ohio
See adv index at end of book
Federal Foundry Supply Co. ("Federal" Dry), 2639 E 79th, Cleveland, O.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Field Alfred & Co. ("Wax-Wire"), 93 Chambers, New York
Hill & Griffith Co., 1248 State av ("Koro"), Cincinnati, O.
See adv index at end of book
Jaeger Machine Co., 520 Dublin av, Columbus, Ohio.
Keystone Foundry Supply Co. ("Lion"), Buffalo, N. Y.
McCormick J. S. Co., 25th & A. V. R. R., Pittsburgh, Pa.
Midvale Mining & Mfg. Co., Central Natl. Bank bldg, St. Louis, Mo.
Mills H. E. Mfg. Co. ("Mills"), Syracuse, N. Y.
Obermayer S. Co. ("Kantbebeat" & "Esco" Dry), 2563 W 18th, Chicago, Ill.
Pettinos Chas. E., 25 Church, New York

Pure Carbon Co. ("Grapho"), Wellsville, N. Y.
Robeson Process Co. ("Glutrin"), 200 5th av, New York
Smith Facing & Supply Co. ("C. F. M.," "Ingot," "Roll," "Velvet Blacking," Core Wash), 1857 Carter rd, Cleveland, O.
Springfield Facing Co. ("Springfield"), 315 Main, Springfield, Mass.
See adv index at end of book
Sterling Oil Co. ("Sterling" Core Oil), Emlenton, Pa.
Stevens Frederic B., Inc. ("King-Kore"), 3rd & Larned, Detroit, Mich.
See adv index at end of book
Swan & Finch Co., 522 5th av, New York
Texas Company, The, Dept. D, 17 Battery pl, New York
See adv index at end of book
United Compound Co. ("Buffalo" Vent Wax), 228 Elk, Buffalo, N. Y.
United States Graphite Co., Saginaw, Mich.
Woodison E. J. Co. ("Quality"), 1621 St. Aubin, Detroit, Mich.

2935—Compounds (Cutting & Drilling)

See also Compounds, Drilling; also Oils, Cutting & Polishing

Acheson Oildag Co. ("Aquadag"), Niagara Falls, N. Y.
American Oil Corp. ("No. 124 Mineralized Lard Oil"), Jackson, Mich.
Climax Refining Co. ("Bull Dog," "Perfection"), Williamson bldg, Cleveland, O.
Damascus Mfg. Co. ("Speeds"), Cassius av, Cleveland, O.
Farr Mfg. Co. ("Lubricool"), N Tonawanda, N. Y.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Fiske Bros. Refining Co. (Cutting), 24 State, New York.
Houghton E. F. & Co. ("Solcut"), 240 W. Somerset, Philadelphia, Pa.
Ironsides Co., 395-7 Broad, Columbus, Ohio
Lewis Drilling Compound Co., Sauquoit, N. Y.
M. T. K. Products Co. ("Time Saver" for grinding Babbit and other soft metal bearings), 1115 Post, Seattle, Wash.
Middle States Oil Co. ("Perfection"), 848 B. of L. E. bldg, Cleveland, O.
Moore Oil Co. (For Jobbing Trade Only), York & McLean av, Cincinnati, O.
Oakley Chemical Co. ("Oakite"), 22 Thames, New York
Paragon Refining Co., Toledo, O.
Penn Oil & Supply Co., Ltd. ("Penn" Brand), Oil City, Pa.
Phoenix Oil Co. ("Keep Kool"), 2554 W. 5th, Cleveland, Ohio
Racine Tool & Machine Co. ("Peerless," also Soluble Oil Cutting Compound), Racine, Wis.
Sibley Soap Co., Franklin, Pa.
Sullivan Oil Co. ("Sullivan's" Economic), 413 Wells, Chicago, Ill.
Texas Company, The, Dept. D, 17 Battery pl, New York
See adv index at end of book
Warren G. Black Oil Co., Century bldg, Cleveland, Ohio
Wayne Soap Co., Copeland & M. C. R. R., Detroit, Mich.
White & Bagley Co. ("Economic"), 100 Foster, Worcester, Mass.

Compounds (Damp Resisting)

See Waterproofing Materials

2935a— Compounds (Drawing)

Fancourt W. F. & Co., Inc., 5163 Delaware av, Phila., Pa.
Fergusson Alex. C., Jr., 474 Chestnut,
Moore Oil Co., York & McLean av, Cincinnati, Ohio
National Oil Products Co., Harrison, N. J.
Oakley Chemical Co., 22 Thames, New York
Swan & Finch Co. ("Efficiency," "Perfection," "Viscosity," "Cataract"), 522 5th av, New York
Texas Company, The, Dept. D., 17 Battery pl, New York
See adv index at end of book

Compounds (Dust Laying)

See Road Binders & Preservatives

2936—Compounds (Electric Cable)

Dielectric Mfg. Co. ("Dielectric" for Potheads, etc.), 224 S. Vandeventer av, St. Louis, Mo.
Metropolitan Device Corp., 1250 Atlantic av, Brooklyn, N. Y.
Mitchell-Rand Mfg. Co. (For Potheads & Terminals), 26 Vesey, New York
Ohmiac Paint & Refining Co. ("Ohmiac"), 140 S. Dearborn, Chicago, Ill.

Compounds (Filler, Iron & Steel)

See Cement, Iron & Steel Filler

2937—Compounds (Fireproofing)

OXWELD ACETYLENE CO. (Welding Operators' Garments), 30 E 42nd, New York
See adv index at end of book
Price Fire & Waterproofing Co. ("Price" for All Kinds of Fabrics & Inflammable Materials), Poughkeepsie, N. Y.

2938— Compounds (Gear)

Ironsides Co., 395-7 Broad, Columbus, Ohio
Texas Company, The ("Texaco Crater" or "Thuban," stops gear noise & wear), Dept. D, 17 Battery pl, New York
See adv index at end of book

Compounds (Grinding)

See Compounds, Valve Grinding

2939—Compounds (Impregnating)

Bakelite Corp., 247 Park av, New York
See adv index at end of book
Dielectric Mfg. Co., 224 S. Vandeventer, St. Louis, Mo.
Frost Paint & Oil Co., 1209 Taylor N. E., Minneapolis, Minn.
IMPERVIOUS VARNISH CO., (Electrical), 421 Wood, Pittsburgh, Pa.
Mitchell-Rand Mfg. Co., 26 Vesey, New York
Pittsburgh Insulating Co. (Electrical Insulating), 96 43d, Pittsburgh, Pa.
Packard Elec. Co., Dana av, Warren, Ohio
Robertson Chemical Co., 9308 Meech av, Cleveland, Ohio
Schenectady Varnish Co., Schenectady, N. Y.
Sherwin-Williams Co. ("Ajax"), Cleveland, Ohio
Standard Varnish Works, 443H 4th av, New York
Voltax Co., 99 Reservoir av, Bridgeport, Conn.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

2940—Compounds (Insulating)

See also Paints, Insulating; also Varnishes, Insulating
American Mica Co. ("A-M-C"), Newton Lower Falls, Mass.
Bakelite Corp., 247 Park av, New York
See adv index at end of book
Barber Asphalt Paving Co., Land Title bldg, Phila., Pa.
Bissell F. Co., Toledo, Ohio
Candy & Co. ("Faultless"), 403 N. Paulina, Chicago, Ill.
Celite Products Co. ("Sil-o-cell"), 53 W Jackson blvd, Chicago, Ill.
Clifton Mfg. Co., 65 Brookside av, Jamaica Plain, Boston, Mass.
Cochrane Chemical Co., 432 Danforth av, Jersey City, N. J.
Consumers' Rubber Co. ("Red Black," "Samson" Gum Rubber), 1302 Ontario, Cleveland, Ohio
Dielectric Mfg. Co., 224 S. Vandeventer av, St. Louis, Mo.
Doggett Stanley, 11 Cliff, New York
Dolph John C. Co. (Vacuum Impregnating), 178 Emmett, Newark, N. J.
Electric Service Supplies Co. ("Keystone"), 17th & Cambria, Phila., Pa.
Electrose Mfg. Co., 70 Washington, Brooklyn, N. Y.
Flintkote Co. ("Rex"), 88 Pearl, Boston, Mass.
GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book
General Insulating & Mfg. Co., Central National Bank bldg, St. Louis, Mo.
IMPERVIOUS VARNISH CO. (Electrical), 421 Wood, Pittsburgh, Pa.
Insulatine Co., 1 Broadway, New York
Insulating Materials Co., 5133 Wesson av, Detroit, Mich.
Irvington Varnish & Insulator Co. ("Irvington"), Irvington, N. Y.
Johns-Manville, Inc. ("Vulcabestos" & "Electrobestos"), Madison av & 41st, New York
Johns-Pratt Co. (The) ("Vulcabeston," "Moulded Mica," "J. P. Bakelite," moulded in special shapes and moulded with or without inserts), Hartford, Conn.
Lamson John S. & Bros., 347 Madison av, New York
McGill Mfg. Co. ("Crescent," "Chatterton"), 77 Oak, Valparaiso, Ind.
Mica Insulator Co. ("M.-I-C"), 68 Church, New York
Minerallac Electric Co. ("Minerallac"), 1045 Washington blvd, Chicago, Ill.
Mitchell-Rand Mfg. Co. ("B-S"), 26 Vesey, New York
National India Rubber Co., Bristol, R. I.
Okonite Co., Passaic, N. J.
Paraffin Co's., Inc. ("Pabco," "P. & B."), 475 Brannan, San Francisco, Cal.
Pettingel-Andrews Co. ("O. K."), 511 Atlantic, Boston, Mass.
Protexol Corporation, 41 Barclay, New York
RUBEROID CO. THE ("Ruberoid"), 95 Madison av, New York
See adv index at end of book

RU-BER-OID
Insulating Compounds
P & B Rapid Asphalt Paint
A quick-drying, acid-resisting, insulating compound for cables, switchboards, trolley boxes, conduit joints, etc.
P & B Insulating Varnish
A black, air-drying compound for all electrical construction and maintenance requirements.
The RUBEROID Co.
95 Madison Avenue New York

Smith Edw. & Co. (Baked Coating), 127 West av, Long Island City, N. Y.
Standard Asphalt & Rubber Co. ("Sarco"), 208 S. La Salle, Chicago, Ill.
Standard Underground Cable Co. ("Ozite"), ("Ozite"), 17th & Pike, Pittsburgh, Pa.
Standard Varnish Works, 2589 Richmond terrace, Elm Park, N. Y.
Standard Wax & Import Co., 110 E 42nd, New York
Sterling Varnish Co., Fulton bldg, Pittsburgh, Pa.
Texas Co., Dept. HR, 17 Battery pl, New York
Trotter E. T. & Co., 602 Johnson av, Brooklyn, N. Y.
Voltax Co., 99 Reservoir av, Bridgeport, Conn.
Waterbury Button Corporation (Electrical), 831 S. Main, Waterbury, Conn.
See adv index at end of book
Wesco Supply Co. ("Wesco"), 7th & Clark av, St. Louis, Mo.
Western Elec. Co., 463H West, New York
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

Compounds (Lamp Coloring & Frosting)

See Coloring, Incandescent Lamp

2940a—Compounds (Luminous)

Am. Luminous Products Co. (Self-Luminous & Calcium Sulphide), Huntington Pork, Cal.
Radium Chemical Co. ("Luma"), Forbes & Meyran av, Pittsburgh, Pa.
Radium Dial Co., Forbes & Meyran avs, Pittsburgh, Pa.
Radium Illuminous Material Corp., 30 Church, New York
Radium Ltd., U. S. A., 2 W. 45th, New York

2941—Compounds (Metallic Journal Bearing)

Duluth Brass Works Co. ("Randolph's"), Duluth, Minn.

2941a— Compounds (Molding)

Bakelite Corp., 247 Park av, New York
See adv index at end of book
CHENEY & CO., INC., 110 W 40th, New York *See adv index at end of book*

2942—Compounds (Motor Chain)

Acheson Graphite Co., Niagara Falls, N. Y.
Climax Refining Co., Williamson bldg, Cleveland, Ohio
Dixon Joseph Crucible Co., Jersey City, N. J.
Superior Finke Graphite Co., 76 W. Monroe, Chicago, Ill.
Texas Company, The, Dept. D, 17 Battery pl, New York
See adv index at end of book
United States Graphite Co., Saginaw, Mich.

2943— Compounds (Parting)

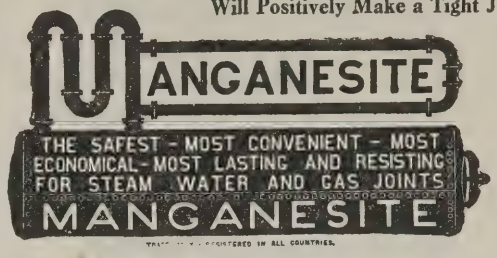
See also Compounds, Core
Bennett & Seeley, Inc. ("Bensee"), Bridgeport, Conn.
Black Products Co., 135th & Calumet, Chicago, Ill.
BUCKEYE PRODUCTS CO., INC. ("Buckeye," "Okay"), 915-917 W. 5th, Cincinnati, Ohio
See adv index at end of book
Doggett Stanley ("Doggett's Perfection"), 11 Cliff, New York
Federal Foundry Supply Co., 2639 E. 79th, Cleveland, Ohio
Foundry Specialty Co. ("Partine"), 504 Edward bldg, Cincinnati, Ohio.
HILL & GRIFFITH CO. ("Faultless"), 1248 State av, Cincinnati, Ohio, & Birmingham, Ala.; Chicago, Ill.
See adv index at end of book
Keystone Foundry Supply Co. ("Niagara," "Mohawk"), Buffalo, N. Y.
McCormick J. S. Co., 25th & V. R. R., Pittsburgh, Pa.
Midvale Mining & Mfg. Co., Central Nat'l Bank bldg, St. Louis, Mo.
Osborn Mfg. Co., 5401 E. Hamilton, Cleveland, Ohio
Paxson J. W. Co., Dept. H, Nicetown lane & D, Phila., Pa.

(Continued on following page)

GENUINE **MANGANESITE** IMPORTED

UNIVERSAL JOINTING COMPOUND

For Saturated and Superheated Steam, Etc.
Will Stand Highest Pressures
Used Same as Red Lead Putty
Always Ready for Use, No Waste
Used by the Principal Steamship, Shipyard, Railroad, Power Co.'s Throughout the World



Will Positively Make a Tight Joint Where Other Compounds Fail

ONLY GENUINE IF BEARING THIS TRADEMARK

Registered in All Countries.

Genuine Manganesite Is Only Manufactured in Germany, and Each Package Is So Marked

BEWARE OF IMITATIONS

THE WILLIAMS & WELLS CO.
253 FULTON STREET, NEW YORK

SOLE IMPORTERS AND DISTRIBUTORS FOR U. S. A.

Compounds (Parting)—Continued

Smith Facing & Supply Co., 1857 Carter rd, Cleveland, Ohio
SPRINGFIELD FACING CO., 315 Main, Springfield, Mass.
See adv index at end of book
Sterling Oil Co., Emlenton, Pa.
Swan & Finch Co., 522 5th av, New York
Woodson E. J. Co. ("Quality"), 7415 St. Aubin, Detroit, Mich.

2943a— Compounds (Pickling)

Colonial Supply Co., 217 Water, Pittsburgh, Pa.
See adv index at end of book
Research Mfg. Co. ("Edis"), Oak Lane Sta., Pa.

2944—Compounds (Pipe Joint)

See also Cements, Pipe Joint

Acheson Graphite Co., Niagara Falls, N. Y.
Arlington Mfg. Co., Canton, Ohio
Boetliger Christ, 2316 Peach, Erie, Pa.
Buffalo Oil & Compound Co., 146 Mohican, Buffalo, N. Y.
Cooper Sanitary Mfg. Co., 34th & Chestnut, Phila., Pa.
Dixon Joseph Crucible Co., Jersey City, N. J.
Edgecombe Co. ("Red Cross"), Cuyahoga Falls, Ohio
Hetzel J. G. (Est. of), 67 Main, Newark, N. J.
Johns-Manville, Inc. ("H-O"), Madison av & 41st, New York
King Walter E. Co. ("King"), 1273 Mich, Cincinnati, Ohio
Leadite Co. ("Leadite"), Land Title bldg, Phila., Pa.
Leak Cure Metal Cement Co., 89 Fulton, New York
Marbleoid Co. ("Jointite"), 461 8th av, New York
Smooth-On Mfg. Co., 572 Communipaw av, Jersey City, N. J.
Superior Flake Graphite Co., 75 W. Monroe, Chicago, Ill.
Thread-Tight Co. ("Thread-Tight"), 288 Bowery, New York
United States Graphite Co., Saginaw, Mich.
WILLIAMS & WELLS CO. (Manganesite Universal Jointing Compound for saturated and superheated steam, etc. Will stand highest pressures. Used same as red lead putty. Always ready for use, no waste. Used by the principal Steamship, shipyard, railroad and power companies throughout the world.) 253 Fulton, New York
See adv index at end of book
Wolverine Brass Works, Grand Rapids, Mich.

2945—Compounds (Platers' & Polishers')

See also Composition, Buffing

Bennett & Seeley, Inc. ("Bensee"), 823 Railroad av, Bridgeport, Conn.
Burns E. Reed, 27 Jackson, Brooklyn, N. Y.
Harshaw, Fuller & Goodwin Co., 545 Hanna Bldg, Cleveland, Ohio
See adv index at end of book
Hill & Griffith Co., 1243 State av, Cincinnati, Ohio. *See adv index at end of book*
Munning A. P. & Co., Mattawan, N. J.
Northwestern Chemical Co., Marietta, Ohio
Oakley Chemical Co. ("Oakite"), 22 Thames, New York
Royal Chemical Co. ("Royal" for Cleaning Metals, etc.), Phenix, R. I.
Standard Chemical & Supply Co. ("Boston"), 177 2nd, East Cambridge, Mass.
Swan & Finch Co., 522 5th av, New York

Compounds (Pothead)

See Compounds, Cable

Compounds (Rope)

See Dressing Rope

2946—Compounds (Rust Proofing)

Am. Chemical Paint Co. ("Deoxidyte" Chemicals for Pickling), 1118 S 11th, Phila., Pa.
Compound Specialty Co. ("Never Rust" for Tools, Typewriters, Bicycles, Knives, Shears, Lawn Mowers, etc), 156 West av, Long Island City, N. Y.
NEVER RUST MFG. CO., 30 Church, New York
Parker Rust-Proof Co. ("Parker Process"), 2177 E Milwaukee, Detroit, Mich.
Polygon Products Co. ("Tasgon" Dissolver), 141H Milk, Boston, Mass.
Texas Company, The, Dept. D, 17 Battery pl, New York
See adv index at end of book

2947—Compounds (Sewer Joint)

Atlas Co., Lincoln, N. J.
Lamson John S. & Bro., 347 Madison av, New York
RUBEROID CO. THE ("Ruberoid"), 95 Madison av, New York
See adv index at end of book

RU-BER-OID
Sewer Joint Compound

Ruberoid Pipe-seal—An absolutely waterproof, acid-resisting compound for making water-tight joints in sewers. It resists the corrosive action of sewage and prevents penetration of roots. Ruberoid Pipe-seal works easily and cools very quickly. It insures permanency in sewer construction work.

The RUBEROID Co.
95 Madison Avenue New York

2947a— Compounds (Sizing)

Arabol Mfg. Co., 110 E 42nd, New York
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Morningstar Chas. & Co. Inc., 650 W 34th, New York
Nat'l Oil Products Co., Harrison, N. J.
Neutrasol Products Corp. ("Wasol"), 41 Park row, New York
Seydel Mfg. Co., 88 Forrest, Jersey City, N. J.
Sizing Specialties Co. Inc., Jersey City, N. J.
Wazene Size Co., Fall River, Mass.

2948— Compounds (Splicing)

Dunton W. W. Co. ("4"), 150 Niagara, Providence, R. I.
Johns-Manville Inc. ("J M Alpha" Rubber), Madison av & 41st, New York
U. S. Rubber Co. ("Usco" Rubber), 1790 Broadway, New York
See adv index at end of book

"U. S." SPLICING COMPOUND
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

2949— Compounds (Spraying)

California Central Creameries ("Kayso" Spray Spreader & Adhesive), 425 Battery, San Francisco, Cal.
California Exterminating Co., Inc. (Theater Spray), 373 W 125th, New York
California Rex Spray Co., Benecia, Cal.
Interstate Chemical Co. ("Key Brand"), 657 Garfield av, Jersey City, N. J.
Lacko Specialty Co. Inc. ("Lilacko"), 824 Montgomery, San Francisco, Cal.
McClure Chemical Laboratories ("Calox"), Emeryville, Cal.
Michel & Pelton Co. ("Mapco"), 639 Howard, San Francisco, Cal.
Pratt B. G. Co. ("Scalecide," a Petroleum Oil Soap), 50 Church, New York
Rickes, River & Co., 30 Church, New York
San Jose Spray Mfg. Co., Emory & Stockton av, San Jose, Cal.
Texas Company, The, Dept. D, 17 Battery pl, New York
See adv index at end of book
Wenatchee Rex Spray Co., Wenatchee, Wash.

2950—Compounds (Sweeping)

Alcatraz Co. Inc. ("Ko-Ko-No Dust"), 3200 Williamsburg av, Richmond, Va.
Anti-Dust Chemical Co. ("Anti-Dust"), 2861 Walnut, Denver, Colo.
California Exterminating Co. Inc., 373 W 125, New York
Carpenter W. D. Co., Syracuse, N. Y.
Cedar-Sweep Co. ("Cedar-Sweep," "Nomoredust"), Los Angeles, Cal.
Cedar Sweep Co. ("Cedar-Sweep"), 790 Brannan, San Francisco, Cal.
Chemical Supply Co., 2450 Canal rd, Cleveland, O.
Continental Mfg. Co. ("Dustoline"), Van Buren & Draper, Indianapolis, Ind.
Cotto Waxo Co., 1308 N Main, St. Louis, Mo.
Cupples Samuel Woodenware Co., 7th & Spruce, St. Louis, Mo.
Day Bergwall Co. ("Anti-Dust"), 289 E Water, Milwaukee, Wis.
Dittman Mfg. Co. ("No-Dust-O"), 912 Western av, Seattle, Wash.
Dolge C. B. Co., Westport, Conn.
Easterday Supply Co. ("Blue Cross"), 936 Howard, San Francisco, Cal.
Fitch Dustdown Co. ("Dustdown"), 1028-36 W Front, Cincinnati, O.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Herne J. F. Co. ("Dust Doom"), Charlestown District, Boston, Mass.
Herne J. F. Co. ("Dust Doom"), Sanford, Boston 29, Mass.
Hoag Duster Co. ("Iowa"), Monticello, Ia.
Hoosier Mfg. Co. ("Hoosier"), 521H W McCarthy, Indianapolis, Ind.
IXL Handle Mfg. Co., Dexter, Mo.
Industrial Laboratries Inc., Ft. Smith, Ark.
Kildust Co., Rome, Ga.
Lacko Specialty Co., 1413H Folsom, San Francisco, Cal.
Masury-Young Co. ("Nodusto"), 76 Roland Chasen, Boston, Mass.
Morgans' Enoch Sons Co. ("Sapolio"), 439H West, New York
National Dust Down Co. ("No-Dust-O"), 102 N 1st, Brooklyn, N. Y.
Nicholas L. V. Oil Co., Omaha, Neb.
Northwest Chemical & School Supply Co. ("Sanesweek"), E 724 Sprague av, Spokane, Wash.
Pacific Chemical Co. ("Puritan" & "Cedarclean"), 1421 N Main, Los Angeles, Cal.
Peabody Anti-Dust Co. ("Anti-Dust"), Peabody, Mass.
Pioneer Mfg. Co. ("Sweeprite"), 3053 E 87th, Cleveland, Ohio
Pure Oil Co., 1st & 13th av S, Minneapolis, Minn.
Seattle Waxine Co. (Waxine & E. Z.), 104 Westlake av, W. Seattle, Wash.
Southern Calif. Disinfecting Co., 2521 So. Main, Los Angeles, Cal.
Smith E. A. Hamilton, Ohio
Standard Chemical Co. ("Cedar-Waxine," "Cedar-Fluff"), Houston, Tex.

State Oil Co., Lincoln, Neb.
U. S. Chemical Co., Greenville, Ohio
Velvetta Mfg. Co. ("Dustine"), 128 N Front, Philadelphia, Pa.
West Disinfecting Co. ("Sweepine"), 411 5th av, New York
See adv index at end of book

Compounds (Tempering)

See Compounds, Case Hardening & Tempering

2951—Compounds (Valve Grinding)

Auto Equipment Co., **East Orange, N. J.**
Carborundum Company, Niagara Falls, N. Y.
Clover Mfg. Co., Norwalk, Conn.
Durkee Atwood Co. ("Rie Nie"), 40 Wilden, Minneapolis, Minn.
Hall-Thompson Co. ("Wonder Worker" & "Quick Kut"), 844 Windsor, Hartford, Conn.
Hammett H. G. ("Trojan"), Troy, N. Y.
Hollingshead R. M. Co. ("Whiz"), Camden, N. J.
Lightning Mfg. Co. ("Lightning"), Cornish Flat, N. H.
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Northwestern Chemical Co. ("Pioneer," "Norwesco"), Marietta, Ohio.
Norton Co. ("Norton"), 25 Barbers Cross, Worcester, Mass.
Pep Mfg. Co. ("Pep"), 33 W 42d, New York
Permatex Co. Inc. ("Permatex"), Sheepshead Bay, N. Y.
ROTAX MFG. CO. ("Rota-Zep" & "Rotax" Valve Grind), 171 Broadway, New York, and 24 Bathgate pl, Newark, N. J.
S. B. R. Specialty Co. ("Rapidcut"), East Orange, N. J.
Stiles H. A. & Co., 166-174 Portlalnd, Boston, Mass.
See adv index at end of book
White & Bagley Co. ("Economy"), 100 Foster, Worcester, Mass.
Woodtite Laboratories, Modesto, Cal.
Swan & Finch Co. ("Bison"), 522 5th av, New York
Zip Mfg. Co. ("Zip"), 2017 Lawrence Denver, Colo.

2952— Compounds (Welding)

See also Compounds, Brazing

Anti-Borax-Compound Co. ("E-Z," "Crescent"), Fort Wayne, Ind.
Buchanan C. S. Chemical Co., Flex, 4650 Baker av, Cincinnati, Ohio
Century Tool & Metal Co. ("Delmas"), 180 N Market, Chicago, Ill.
Corliss Mfg. & Supply Co. (Jobbers), 1906 Olive, St. Louis, Mo.
Cortland Specialty Co. ("Anchor," "Banner" & "Excelsior"), Cortland, N. Y.
Cortland Welding Compound Co. ("Climax" & "Borax-Ettee"), Cortland, N. Y.
Doxey N. D. ("Anchor"), Elmira, N. Y.
McLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Morey Flux & Chemical Co. ("Morey"), Parkesburg, Pa.
National Carbon Co. (Paste), Madison av N. W. & W. 117th, Cleveland, Ohio
Never-Slip Welding Compound Co. ("Never-Slip"), 1101 3rd, Oakland, Cal.
PAL-WELD MFG. CO. INC., 1207 Pine, Seattle, Wash.
Perfection Welding Compound Co. ("Perfection"), Scranton, Pa.
Phillips-Laffitte Co. ("Laffitte"), Penna bldg., Philadelphia, Pa.
VICTOR OXY-ACETYLENE EQUIPMENT CO. ("Betterweld"), 844 Folsom, San Francisco, Cal.
See adv index at end of book

2952a—*Compressed Air Cleaning and Drying

AUDIFFREN REFRIGERATING MACHINE CO., 2211 West st bldg, New York *See adv index at end of book*

2953—Compressors (Acetylene)

Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
Norwalk Iron Works Co. ("Norwalk"), South Norwalk, Conn.
Worthington Pump & Machy. Corp., 115 Broadway, New York

2954— Compressors (Air)

ALABAMA.

BIRMINGHAM—Chicago Pneumatic Tool Co., 1925 N. 5th av
See adv index at end of book
Hardie-Tynes Mfg. Co.
INGERSOLL-RAND CO. (of New York City) (Steam, Belt, Electric, Corliss Gas Engine & Steam Driven), American Trust bldg
See adv index at end of book

ALASKA.

JUNEAU — **INGERSOLL-RAND CO.** (of New York City) (Steam, Belt, Electric, Corliss, Gas Engine & Oil Engine Driven Turbo Blowers & Compressors)
See adv index at end of book

CALIFORNIA.

ALAMEDA—Baker-Hansen Mfg. Co., 1900-1912 Park
HYDE PARK—Hallett, Alfred
LOS ANGELES—Baker Hansen Mfg. Co., 1318 S Grand av
Caldwell L. L. Co. (Two Stage Automatic), 2405 S Main
Chicago Pneumatic Tool Co., 307 E 3d
See adv index at end of book
Guarantee Engineering & Machine Co. ("Kingston" Gas Service Station), 1001H N Main
Ingersoll-Rand Co. (of Cal.), (Steam, Belt, Electric, Corliss, Gas Engines & Oil Engine Driven, Turbo Blowers & Compressors), Union Oil bldg
See adv index at end of book
Kimball F. J. Co., Inc., 1860 E 15th
Lacer E. B. ("Lacer-Hallett"), 1224 E 8th
Reliable Air Machine Co., 752 E Pico
RIX COMPRESSED AIR & DRILL CO., 219 E 3rd
RICHMOND—Decora Mfg. Co., 201 Nevin av
SAN FRANCISCO—Air Compressor & Equipment Co. ("Liberty"), 46H Natoma
CHICAGO PNEUMATIC TOOL CO., 175 1st *See adv index at end of book*
Compressed Air Power Co., 110 Jessie
Fairbanks, Morse & Co., 651 Mission
General Machinery & Supply Co., — Stevenson
INGERSOLL-RAND CO. (of Cal.), (Steam, Belt, Electric, Corliss, Gas Engine & Steam Driven, Turbo Blowers & Compressors), 139 Townsend
See adv index at end of book
National Brake & Electric Co., Pacific bldg
Oliver Continuous Filter Co. ("Oliver"), 503 Market
RIX COMPRESSED AIR & DRILL CO., 400-404 4th
Sullivan Machinery Co., Hobart bldg
Westinghouse Pacific Coast Brake Co., 65 Market
Witt G. E. Co. (Belt Driven for Low Pressure Heating Plants), 862 Howard

COLORADO.

DENVER—Chicago Pneumatic Tool Co., 406 Cooper bldg
See adv index at end of book
Hendrie & Bolthoff Mfg. & Supply Co. (Dlrs.), 1639 17th
Ingersoll-Rand Co.
See adv index at end of book
Jackson Compressor Co. (Rotary), 235 Scherokee av
Morse Bros. Machy & Supply Co. (Second Hand).
Stearns-Rogers Co. (Dlrs.), 1720 Calif.

CONNECTICUT.

HARTFORD—Hartford Machine Screw Co. ("Master" Electric Driven)
NEW HAVEN—New Haven Sand Blast Co.
SOUTH NORWALK—Nash Engineering Co. (Hydro-Turbine)
Norwalk Iron Works Co. ("Norwalk" Air & Gas Compressors)

ILLINOIS.

CHICAGO—Chicago Pneumatic Tool Co., 572 W Randolph
See adv index at end of book
Economy Pumping Machy. Co. (Electric Driven), 100-126 Curtis
See adv index at end of book
Erwin & Co. (For Garages, filing stations, etc.), 3736 Cottage Grove av
Fairbanks, Morse & Co., 900 S Wabash av
See adv index at end of book
Independent - Pneumatic Tool Co., 600 W. Jackson blvd
Janette Mfg. Co., 566 W Monroe
Kroeschell Bros. Ice Machine Co., 472 W Erie
Luther Frederick P. Co., (Belt, Gasoline Engine, Hydraulic, Motor & Steam Driven High & Low Pressure), 14 E Jackson blvd
Paaschke Air Brush Co., 1249 W Washington blvd
POWERS REGULATOR CO., 2773 Greenview av
See adv index at end of book
Ryerson Jos. T. & Son, Inc., 2558 W 16th. *See adv index at end of book*
Sullivan Machinery Co. ("Sullivan." "Angle Compound"), 122 S Michigan
Victor X-Ray Corp., 236 S Robey
Wilson Machy. Co., 301 N W 35th
QUINCY—Gardner Governor Co. (Belt & Motor Driven & Steam Actuated), 23 Williams

INDIANA.

GOSHEN—Hoosier Motor Co. (Up to 5½) Midwest Engine Co. (Gasoline Driven)
INDIANAPOLIS—Indiana Air Pump Co., Indiana Pythian bldg
RICHMOND—Richmond Standard Mfg. Co.

IOWA.

BURLINGTON—Murray Iron Works Co., Central av & Washington

LOUISIANA.

NEW ORLEANS—Chicago Pneumatic Tool Co., 853 Carondelet
See adv index at end of book

MARYLAND.

BALTIMORE — American Compressor & Pump Co., 801 E Pratt
Black & Decker Mfg. Co., E. Penn av
Meyer Henry H. Co. (Dlrs.), 110 S Howard
See adv index at end of book

MASSACHUSETTS.

BOSTON—**CHICAGO PNEUMATIC TOOL CO.,** 172 High
See adv index at end of book
Ingersoll-Rand Co. of New England (Steam, Belt, Electric, Corliss, Gas Engine, Oil Engine & Steam Driven Turbo Blowers & Compressors), 115 Chauncy
See adv index at end of book
Jager Chas. J. Co. ("Mason-Jaeger"), 15 Custom House
Kinney Mfg. Co. (Belt, Chain & Gasoline Engine Driven), 3541 Washington
Trimount Rotary Power Co. ("Trimount" Rotary), 286 Whiting av
MALDEN—International Engineering Co., 42 Exchange
SPRINGFIELD—Advance Furnace & Engrg. Co., Allen

MICHIGAN.

BATTLE CREEK—American Steam Pump Co. ("American-Marsh" Steam & Power)
Globe Mfg. Co. ("Dead Easy")
Union Steam Pump Co. ("Burnham") ("Union")
DETROIT—**CHICAGO PNEUMATIC TOOL CO.,** 2nd av & Amsterdam
See adv index at end of book
Great Lakes Engineering Works (Vertical Compound High Duty), Real Estate Exchange bldg
Superior Machine & Engineering Co. ("Yale"), 51 E Fort
LANSING—Gifford Engine Co. ("Gifford" Motor & Belt Driven)
Novo Engine Co. ("Novo")

MINNESOTA.

DULUTH—**INGERSOLL-RAND CO.** (of New York City) (Steam Belt, Electric Corliss, Gas Engine & Steam Driven)
See adv index at end of book
MINNEAPOLIS—Chicago Pneumatic Tool Co., 5th av & 5th, So.
See adv index at end of book

MISSOURI.

KANSAS CITY—United Iron Works
ST. LOUIS — **CHICAGO PNEUMATIC TOOL CO.,** 819 Hempstead
See adv index at end of book
Curtis Pneumatic Machinery Co. ("Curtis" Single & Two Stage), 1560 Kienlen av
Fulton Iron Wks. Co., 1259 Delaware av
General Compressed Air & Vacuum Mchy Co.
INGERSOLL-RAND DRILL CO. (Steam, Belt, Electric, Corliss, Gas Engine, Oil Engine & Steam Drive, Turbo Blowers & Compressors), 300 N Broadway
See adv index at end of book
Zelnicker Walter A. Supply Co. (Dlr.), 325 Locust

MONTANA.

BUTTE—**INGERSOLL-RAND CO.** (of New York City) (Steam, Belt, Electric, Corliss, Gas Engine, Oil Engine & Steam Driven, Turbo Blowers & Compressors), 109 E Broadway
See adv index at end of book

NEBRASKA.

OMAHA—Sunderland Machinery & Supply Co.

NEW JERSEY.

BRIDGETON—Cox & Sons Co., Water & Electric)
EAST TRENTON—De Laval Steam Turbine Co. (Turbine Driven)
NEWARK—Eclipse Air Brush Co. (Small), 79 Orange
De Laval Steam Turbine Co. (Turbine Driven)
See adv index at end of book
Motor-Compressor Co., 52 Dickerson av
Motor Starter & Air Pump Co., 52-56 Dickerson av
Weber Auto Accessory Co. ("Spohrer" Electric), 6th av & N. 13th

(Continued on following page)

Compressors (Air)—Continued

NEW YORK.

NEW YORK CITY.

Borough of Brooklyn

BROOKLYN—American Air Compressor Works ("Fairhurst"), 26 Cortlandt, New York

CROWELL MFG. CO. ("Crowell" Rotary), 321 Franklin av
See adv index at end of book

Foster Pump Works, 37 Bridge

Guild & Garrison, 457 Kent av

Boroughs of Manhattan and Bronx.

NEW YORK—Abbe Paul O., 924 Johnston bldg. *See adv index at end of book*

Abbe Engineering Co., 50G Church
See adv index at end of book

ALLEN & BILLMYRE CO. INC. (Multi-stage centrifugal), Grand Central Palace.
See adv index at end of book

Beach-Russ Co., 38 Church
See adv index at end of book

ROTARY AIR COMPRESSORS

SILENT IN OPERATION
For Pressures Up to 25 Pounds
Capacities 6 to 500 Cubic Feet per Minute
NO VALVES SPRINGS OR GEARS

BEACH-RUSS COMPANY

38 Church Street New York City

CHICAGO PNEUMATIC TOOL CO., 6 E 44th. *See adv index at end of book*

Clayton Air Compressor Wks., 115 B'way

Davidson M. T. Co., 154 Nassau

Dixon Wm., 119 Fulton

Eureka Pneumatic Spray Co., 8728 130th

Hoisting Engine Sales Co., Grand Central Terminal

INGERSOLL-RAND CO. (Steam, Belt, Electric, Direct-Connected Corliss, Gas Engine, Gasoline Engine, Oil Engine & Steam Driven, Portable Air Compressors, Turbo Blowers & Compressors), 11 Broadway
See adv index at end of book

Krajewski-Pesant Corp., 227 Fulton

Oliver Continuous Filter Co. ("Oliver") 299 Madison av

Otto Coking Co. Inc., 469 5th av

Rateau Battu Smoot Co., 90 West

Sorensen C. M. Co., Inc. (For Medical Use), ("Tankless"), 177 E 87th

Worthington Pump & Machy. Corp., 115 Broadway

(End of New York City)

ROCHESTER—**RITTER DENTAL MFG. CO. INC.** ("Ritter" Automatic)

SCHENECTADY—**GENERAL ELECTRIC CO.** (Motor Driven)
See adv index at end of book

TROY—Hobart Bros Co.

UTICA—Brunner Mfg. Co. ("Brunner"; Also Air Compressor Fittings)

OHIO.

CINCINNATI—Chicago Pneumatic Tool Co., Pearl & Vine
See adv index at end of book

INGERSOLL-RAND CO. (of New Corliss, Gas Engine, Oil Engine & Steam Driven, Turbo Blowers & Compressors), 810 Mer. Lib. bldg
See adv index at end of book

Johnston Wm. T. Co., 3d & Vine

Niebling F. W. Co., 406 Elm

CLEVELAND—Chicago Pneumatic Tool Co., 109 St. Clair av, N. E.
See adv index at end of book

U. S. Air Compressor Co., Harvard av

COLUMBUS—Weinman Pump Mfg. Co. (Small), 300 Spruce

DAYTON—Lucas-Miner Tool & Production Co., 427 Valley

North Side Tool Co., 17 Maryland av

HAMILTON—Hooven, Owens, Rentschler Co.

Reid J A Co., Inc. (The), 1500 Miami Chapel

SALEM—DEMING CO
See adv index at end of book

TOLEDO—A. F. S. Machine Co., 531 S St. Clair

UPPER SANDUSKY — National Steam Pump Co. ("National")

WILMINGTON—Auto Compressor Co.

OKLAHOMA

TULSA—Chicago Pneumatic Tool Co., 218 Main, N
See adv index at end of book

PENNSYLVANIA.

ALLENTOWN—Traylor Engrg. & Mfg. Co.

BRADFORD—Bovaird & Seyfand Mfg. Co. (Gas), Dept. H

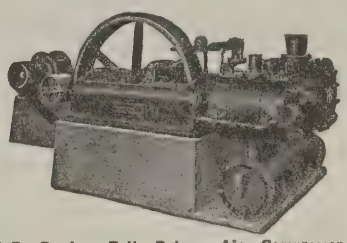
CALDWELL E. R. & CO. (Air Cooled)
See adv index at end of book

Combination Engine & Compressor Co. ("Bradford Improved" Belt or Motor Driven)

I-R COMPRESSORS

Air, Gas and Ammonia

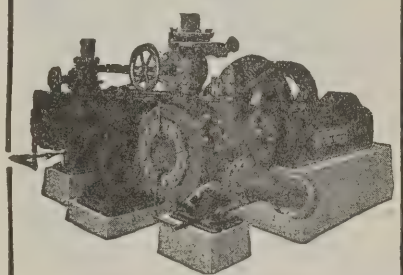
Ingersoll-Rand Company build air and gas compressors for any pressure or requirement—capacities range from 3 to over 10,000 cubic feet per minute. You can secure the



I-R Duplex Belt Driven Air Compressor Short Belted to electric motor.

type of drive which best meets your particular requirements—long belt or short belt; steam; direct-connected electric motor or direct-connected oil or gas engine drive.

Air and Gas Compressors are double-acting, for single, two or more stage compression. Compressing cylinders are fitted with highly efficient Ingersoll-Rand Plate Valves having large areas and liberal, unrestricted passages. Regulation and lubrication is entirely automatic.



I-R Duplex Direct-Connected Ammonia Compressor.

Ammonia Compressors are built for Ice Making and Freezer Cold Storage Service. Sizes range from 1½ to 800 tons refrigeration capacity. These compressors can also be furnished for long belt or short belt; steam; direct-connected electric motor; or direct-connected oil or gas engine drive.

I-R Turbo Blowers and Compressors are built for capacities from 3,000 to 80,000 cubic feet per minute at pressures from 1 pound to 110 pounds per square inch.

Ingersoll-Rand

11 Broadway, New York City

CHAMBERSBURG—Chambersburg Foundry & Machine Co.

CONNELLSVILLE—Connellsville Mfg. & Mine Supply Co.

EAST PITTSBURGH—Westinghouse Elec. & Mfg. Co.
See adv index at end of book

EASTON—Penna. Pump & Compressor Co. ("Pennsylvania" High Pressure)
See adv index at end of book

PENNSYLVANIA
AIR COMPRESSORS
VACUUM PUMPS
Improved High Efficiency Type

PENNSYLVANIA PUMP AND COMPRESSOR COMPANY
MAIN OFFICES AND WORKS EASTON, PA.

ERIE—Bury Compressor Co. (Steam, Belt & Electrically Driven), 1200 W. 17th

MECHANICSBURG—Comstock Geo. S. & Son ("Comstock," Belted & Motor Driven, 3 to 90 Cubic Feet)

PHILADELPHIA — CHICAGO PNEUMATIC TOOL CO., 237 N 12th

INGERSOLL-RAND CO. (of New York City) (Steam, Belt, Electric, Corliss, Gas Engine, Oil Engine & Steam Driven, Turbo Blowers & Compressors), Commercial Trust bldg *See adv index at end of book*

Kruger & Blind Co. (Low Pressure Only), 511 Master

Lebran Blower Factory ("Lebran" Low Pressure Only), 511 Master

Schutte & Koerting Co. (Steam Jet), 1251 N. 12th
See adv index at end of book

Smith, Drum & Co., Allegheny av & 5th

Southwark Foundry & Machine Co. 1128 S 4th
See adv index at end of book

PITTSBURGH — American Electric Air Pump Co.

CHICAGO PNEUMATIC TOOL CO., 12 Wood
See adv index at end of book

Colonial Supply Co., 217 Water
See adv index at end of book

Hall Steam Pump Co., 213 Galveston.

Harris Pump & Supply Co., 318 Second av, Pittsburgh, Pa.
See adv index at end of book

INGERSOLL-RAND CO. (of New York City) (Steam, Belt, Electric, Corliss, Gas Engine, Oil Engine & Steam Driven Turbo Blowers & Compressors), Farmer's Bank bldg
See adv index at end of book

Mesta Machine Co., Box 1124

Tranter Mfg. Co., 105 Water

Westinghouse Air Brake Co. (Steam)

Westinghouse Traction Brake Co. (Belt, Gas, Gasoline, Motor or Steam)

SCRANTON—**INGERSOLL-RAND CO.** (of New York City), (Steam, Belt, Electric, Corliss Gas Engine & Steam Driven Turbo Blowers & Compressors), Dime Savings Bank bldg
See adv index at end of book

WARREN—Warren Machine Products Co. (Hand)

YORK—York Mfg. Co.

SOUTH CAROLINA.

ANDERSON—Anderson Machine & Foundry Co.

TEXAS.

EL PASO—Chicago Pneumatic Tool Co., 303 San Francisco
See adv index at end of book

INGERSOLL-RAND CO. (of Texas), (of New York City), (Steam, Belt, Electric, Corliss, Gas Engine, Oil Engine & Steam Driven Turbo Blowers & Compressors), 121 San Francisco
See adv index at end of book

HOUSTON—Chicago Pneumatic Tool Co., 601 Carter bldg
See adv index at end of book

UTAH.

SALT LAKE CITY—Chicago Pneumatic Tool Co., 117 W 2nd
See adv index at end of book

VIRGINIA.

RICHMOND—Chicago Pneumatic Tool Co., 1004 Mutual bldg
See adv index at end of book

WASHINGTON.

SEATTLE—**CHICAGO PNEUMATIC TOOL CO.,** 119 Jackson
See adv index at end of book

Forsyth Electric Co., 2905 Seattle

INGERSOLL-RAND CO. (of New York) (Steam, Belt, Electric, Corliss, Gasoline, Oil Engine & Steam Driven Turbo Blowers & Compressors), Colman bldg
See adv index at end of book

WISCONSIN.

MILWAUKEE—**ALLIS-CHALMERS MFG. CO.** ("Reynolds," Stationary & Portable, Steam Eng., Hydraulic, Electric, Gasoline Engine or Belt Drive)
See adv index at end of book

Filer & Stowell Co. (350 cu ft & Larger)

Milwaukee Tank Wks., Fratney & Becker

National Brake & Electric Co. ("National") ft Belleview pl

Nordberg Mfg. Co., Chicago & Oklahoma av

Petersen A. H. Mfg. Co. ("Air Shooter" Portable Electric), 1614 Fratney

2955—Compressors (Air, Portable)

A. F. S. Machine Co., 531 S St. Clair, Toledo, O.

Air Compressor & Equipment Co. ("Liberty"), 46H Natoma, San Francisco, Cal.

Allis-Chalmers Mfg. Co., Milwaukee, Wis. (Motor, Gasoline or Steam Driven)
See adv index at end of book

BAKER-HANSEN MFG. CO., 1900-1912 Park, Alameda, Cal.
BINKS SPRAY EQUIPMENT CO., 3129 Carroll av, Chicago
Bury Compressor Co., 1200 W 17th, Erie, Pa.
Chambersburg Foundry & Machine Co., Chambersburg, Pa.
CHICAGO PNEUMATIC TOOL CO., 6 E 44th, New York
See adv index at end of book
Curtis & Co. Mfg. Co., 1571 Kienlen av, St. Louis, Mo.
Decora Mfg. Co., 201 Nevin av, Richmond, Cal.
Gardner Governor Co., 23 Williams, Quincy, Ill.
Harris Pump & Supply Co., 318 Second av, Pittsburgh, Pa.
See adv index at end of book
INGERSOLL-RAND CO., 11 B'way, New York *See adv index at end of book*
International Engineering Co. (Equipment), 42 Exchange, Malden, Mass.
Mac Leod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
Milwaukee Tank Wks., Fratney & Becker, Milwaukee, Wis.
Motor-Compressor Co., 52 Dickerson, Newark, N. J.
National Brake & Electric Co., ft Belleview pl, Milwaukee, Wis.
Penna. Pump & Compressor Co., Easton, Pa.
See adv index at end of book
RIX COMPRESSED AIR & DRILL CO., 400-404 4th, San Francisco, Cal.
Sullivan Machinery Co. (Mounted on a Truck & Driven by Gasoline Engine), 122 S Michigan, Chicago, Ill.
Traylor Engineering & Mfg. Co., Allentown, Pa.
U. S. Air Compressor Co., Harvard av, Cleveland, Ohio
Union Steam Pump Co., Battle Creek, Mich.
Westinghouse Air Brake Co., Pittsburgh, Pa.
Westinghouse Traction Brake Co., Pittsburgh, Pa.

2956—Compressors (Ammonia)

American Engineering Co. ("Jwrinck"), Aramingo & Cumberland, Phila., Pa.
ARCTIC ICE MACHINE CO., Canton, O.
See adv index at end of book
Bouchard Jno. & Sons Co., 1024 Harrison, Nashville, Tenn.
Creamery Package Mfg. Co. ("Creamery Package"), 61 W. Kinzie, Chicago, Ill.
CROWELL MFG. CO. ("Crowell" Rotary), 321 Franklin av, Brooklyn, N. Y.
See adv index at end of book
De La Vergne Machine Co. ("De La Vergne"), 2101H E 138th, New York
Frick Co., Waynesboro, Pa.
Gay Engineering Corp., 2650 Santa Fe av, Los Angeles, Cal.
Great Lakes Engineering Works, Real Estate Exch. bldg, Detroit, Mich.
Guild & Garrison, 457 Kent av, Brooklyn, N. Y.
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
Norwalk Iron Works Co., South Norwalk, Conn.
Ruemmell-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
Triumph Elec. Co. (Vertical, Single Acting, Enclosed Horizontal, Heavy Duty, Double Acting), H Oakley, Cincinnati, Ohio
VILTER MFG. CO., 1046 Clinton, Milwaukee, Wis. *See adv index at end of book*
Vogt Bros. Mfg. Co., 14th & Main, Louisville, Ky.
Worthington Pump & Machy. Corp., 115 Broadway, New York

2956a—*Compressors (Carbonic Acid Gas)

Bury Compressor Co., 1200 W 17th, Erie, Pa.
Norwalk Iron Works Co. ("Norwalk"), South Norwalk, Conn.
Worthington Pump & Machy. Corp., 115 Broadway, New York

2957—Compressors (Centrifugal)

ALLEN & BILLMYRE CO. INC., Grand Central Palace, New York
See adv index at end of book



Air Compressors and Exhausters
Multi-stage
Centrifugal Type
BALL BEARINGS
HIGH GRADE
ALLEN & BILLMYRE CO., Inc.
Engineers—Manufacturers
Grand Central Palace New York

De Laval Steam Turbine Co. (Turbine & Motor Driven), East Trenton, N. J.
See adv index at end of book

Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*
Norwalk Iron Works Co. ("Norwalk"), Dept. H, South Norwalk, Conn.

2957a—Compressors (Chlorine)

Hercules Engineering Corp., 300 Madison av, New York

2958— *Compressors (Corliss)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Hooven Owens Rentschler Co., Hamilton, O.
INGERSOLL-RAND CO. (Steam Driven), 11 B'way, New York
See adv index at end of book

2959—Compressors (Corn Shock)

Hunt, Helm, Ferris & Co. ("Star"), Harvard, Ill.
Tie Co., Unadilla, N. Y.

2959a—Compressors (Cupola Blowing)

GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book

2959b—*Compressors (Diesel Auxiliaries)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Bury Compressor Co., 1200 W 17th, Erie, Pa.
RIX COMPRESSED AIR & DRILL CO., 400-404 4th, San Francisco, Cal.

2959c—Compressors (Electric)

POWERS REGULATOR CO., 2773 Greenview av, Chicago
See adv index at end of book

2959d—Compressors (Exhausting)

GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book

2959e—Compressors (Fuel Oil)

CHICAGO PNEUMATIC TOOL CO., 6 E 44th, New York
See adv index at end of book

2960— Compressors (Garage)

Allis-Chalmers Mfg. Co., Milwaukee, Wis. (Stationary & Portable)
See adv index at end of book
BAKER-HANSEN MFG. CO., 1900-1912 Park, Alameda, Cal.
Caldwell L. L. Co. (Two Stage Automatic), 2305 S Main, Los Angeles, Cal.
CHICAGO PNEUMATIC TOOL CO., 6 E 44th, New York
See adv index at end of book
Forsyth Electric Co., 2905 Estelle, Seattle, Wash.
Guarantee Engineering & Machine Works ("G. E. M. Co."), 1001 N. Main, Los Angeles, Cal.
Hallett Alfred, Hyde Park, Cal.
Harris Pump & Supply Co., 318 Second av, Pittsburgh, Pa.
See adv index at end of book
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
Lacer E. B. ("Lacer-Hallett"), 1224 E 8th, Los Angeles, Cal.
Milwaukee Tank Wks., Fratney & Becker, Milwaukee, Wis.
Reliable Air Machine Co., 752 E Pico, Los Angeles, Cal.
RIX COMPRESSED AIR & DRILL CO., 400-404 4th, San Francisco, Cal.
Union Steam Pump Co., Battle Creek, Mich.
Worthington Pump & Machy. Corp., 115 Broadway, New York

2961— Compressors (Gas)

Allen & Billmyre Co. Inc., Grand Central Palace, New York
See adv index at end of book
Allis Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Compressor & Pump Co., 801 E Pratt, Baltimore, Md.
Blaisdell Machinery Co., Bradford, Pa.
Bovaird & Seyfand, Dept. H, Bradford, Pa.
Bury Compressor Co. (Gas & Gasoline), 1200 W 17th, Erie, Pa.
CHICAGO PNEUMATIC TOOL CO., 6 E 44th, New York
See adv index at end of book
Clark Brothers Co., Olean, N. Y.
Gardner Governor Co., 23 Williamson, Quincy, Ill.
Hall Steam Pump Co., 213 Galveston, Pittsburgh, Pa.
Hooven Owens Rentschler Co., Hamilton, O.
INGERSOLL-RAND CO. (Gas Engine Driven), 11 B'way, New York
See adv index at end of book
Kroeschell Bros. Co., 440 W. Erie, Chicago, Ill.
Lane & Bodley Co. (& Air), Tennessee av & Paddack rd, Cincinnati, O.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
Nash Engineering Co., South Norwalk, Conn.
National Brake & Electric Co., ft Belleview pl, Milwaukee, Wis.
Niebling F. W. Co., 406 Elm, Cincinnati, O.
Nordberg Mfg. Co. (Steam or Diesel Engine Driven), Chicago & Oklahoma av, Milwaukee, Wis.
Penna. Pump & Compressor Co., Easton, Pa.
Spang & Co., Butler, Pa.
Titusville Machinery & Foundry Co., Titusville, Pa.
Union Steam Pump Co., Battle Creek, Mich.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.
WILCOX CRITTENDEN & CO. INC. ("Grays" Burned), 444 S. Main, Middletown, Conn.
See adv index at end of book
Worthington Pump & Machy. Corp. (for Acetylene, Carbonic Acid, Coal, Natural and Oxygen Gas), 115 Broadway, New York

2961a—Compressors (Gas Boosting)

GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book

2962—Compressors (Gasoline)

Bury Compressor Co., 1200 W. 17th, Erie, Pa.
Chambersburg Foundry & Machine Co., Chambersburg, Pa.
CHICAGO PNEUMATIC TOOL CO., 6 E 44th, New York
See adv index at end of book
Domestic Engine & Pump Co. (Portable), Shippensburg, Pa.
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
Midwest Engine Co. (Gasoline Driven), Indianapolis, Ind.
Norwalk Iron Works Co. ("Norwalk"), Dept. H, South Norwalk, Conn.
Penna. Pump & Compressor Co., Easton, Pa.
Schramm Inc., West Chester, Pa.

2963—Compressors (Gasoline Extraction)

Bury Compressor Co., 1200 W 17th, Erie, Pa.
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
Pennsylvania Pump & Compressor Co., Easton, Pa.
See adv index at end of book
Sullivan Machinery Co., 122 S Michigan, Chicago, Ill.

2964—Compressors (Hydraulic, for Web or T Rails, Etc.)

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book

2965—Compressors (Hydro - Turbine)

Nash Engineering Co., So Norwalk, Conn.

2966—*Compressors (Low Pressure)

Allen & Billmyre Co. Inc., Grand Central Palace, New York
See adv index at end of book
Bury Compressor Co., 1200 W 17th, Erie, Pa.
INGERSOLL-RAND CO., 11 B'way, New York *See adv index at end of book*
Kruger & Blind Co., 511 Master, Phila., Pa.
Pennsylvania Pump & Compressor Co., Easton, Pa.
See adv index at end of book

2967—*Compressors (Mine Car)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Bury Compressor Co., 1200 W 17th, Erie, Pa.
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
Pennsylvania Pump & Compressor Co., Easton, Pa.
See adv index at end of book
Schramm Inc., West Chester, Pa.

2968—Compressors (Motor Driven)

A. F. S. Machine Co., 531 S St. Clair, Toledo, O.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
BURY COMPRESSOR CO., 1200 W. 17th, Erie, Pa.
Curtis & Co. Mfg. Co., 1571 Kienlen av, St. Louis, Mo.
Gardner Governor Co., 23 Williamson, Quincy, Ill.
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book

(Continued on following page)

Compressors (Motor Driven)—Cont.

PENNSYLVANIA PUMP & COMPRESSOR CO., Easton, Pa.
See adv index at end of book

POWERS REGULATOR CO., 2773 Greenview av, Chicago
See adv index at end of book

Schramm Inc., West Chester, Pa.
Sullivan Machinery Co. (On Mine Truck, etc), 122 S Michigan, Chicago, Ill.
Traylor Engineering & Mfg. Co., Allentown, Pa.
Union Steam Pump Co., Battle Creek, Mich.

2969—*Compressors (Oil Engine Driven)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Ingersoll-Rand Co., 11 B'way New York
See adv index at end of book
Pennsylvania Pump & Compressor Co., Easton, Pa.
See adv index at end of book

2970—Compressors (Oxygen & Hydrogen Gas)

Busch J. C. Co. (For Welding Plants), 140 Ferry, Milwaukee, Wis.
Electrolabs Co., 2635 Penn av, Pittsburgh, Pa.

INGERSOLL-RAND CO., 11 B'way, New York *See adv index at end of book*

MacLeod Co., 2227 Bogen, Cincinnati, Ohio
See adv index at end of book
Norwalk Iron Works Co. ("Norwalk"), South Norwalk, Conn.
Penna. Pump & Compressor Co., Easton, Pa.
See adv index at end of book
Worthington Pump & Machy. Corp., 115 Broadway, New York

2971—Compressors (Spraying)

Allen & Billmyre Co., Inc., Grand Central Palace, New York
See adv index at end of book
Bury Compressor Co., 1200 W. 17th, Erie, Pa.
Curtis & Co. Mfg. Co., 1571 Kienlen av, St. Louis, Mo.
Gardner Governor Co., 23 Williamson, Quincy, Ill.

2971a—Compressors (Sulphur Dioxide)

Hercules Engineering Corp., 300 Madison av, New York
Norwalk Iron Works Co., South Norwalk, Conn.

2971b—*Compressors (Three Cylinder, Two Stage, Variable Volume, Motor Driven)

Bury Compressor Co., 1200 W. 17th, Erie, Pa.

2972— *Compressors (Turbo)

Allen & Billmyre Co. Inc., Grand Central Palace, New York
See adv index at end of book
INGERSOLL-RAND CO., 11 B'way, New York *See adv index at end of book*
Spencer Turbine Co., 484 New Park av, Hartford, Conn.

2973—Compressors (Water Jet, Air)

Schutte & Koerting Co., 1251 N 12th, Phila., Pa. *See adv index at end of book*

Comptometers

See Adding Machines

2974— Concentrates

Hardy Chas., Inc. (Broker), 1 Pershing sq, New York

2975— Concentrators

American Zinc, Lead & Smelting Co. (Lead & Zinc), 331 Madison, New York
Bunting Iron Works ("Senn," "Universal"), 1215H 1st Natl. Bk. bldg, San Francisco, Cal.
United Iron Works Inc., Kansas City, Mo

2975a— Concentrators (Acid)

Am. Lead Burning Corp. (Sulphuric), 30 Church, New York
Bethlehem Fdy & Machine Co. (Sulphuric), Bethlehem, Pa.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Duriron Castings Co., Dayton, O.
General Ceramics Co., 50 Church, New York
Pratt Engineering & Machine Co., Atlanta, Ga.
Thermal Syndicate Ltd., 58 Schenectady av, New York

2975b—Concentrators (Alcohol, Crude)

Badger E. B. & Sons Co., 75A Pitts, Boston, Mass. *See adv index at end of book*

2976—Concentrators (Ammonia)

Gas Machinery Co., 1900 Euclid av, Cleveland, O.
Michigan Ammonia Works, ft Meldrum av, Detroit, Mich.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.

2976a—Concentrators (Magnetic)

DINGS MAGNETIC SEPARATOR CO., 616 Smith, Milwaukee, Wis.
See adv index at end of book

MAGNETIC MFG. CO., 279 3rd av, Milwaukee, Wis. *See adv index at end of book*

2977— Concentrators (Ore)

Allis-Chalmers Mfg. Co. (Concentration Plants & Equipment), Milwaukee, Wis. *See adv index at end of book*
Bethlehem Shipbuilding Corp. Ltd., 20th Michigan, San Francisco, Cal.
BUCHANAN C. G. CO. INC., 90 West, New York
Bunting Iron Works ("Senn" "Universal" Tables), 1215 1st Natl. Bk. bldg, San Francisco, Cal.
Butchart W. A., 1326 11th, Denver, Colo.
Centrifugal National Concentrator Co., 3202 S San Pedro, Los Angeles, Cal.
Colorado Iron Works Co. ("Simplex," "A. & E."), Denver, Colo.
Deister Concentrator Co. ("Deister" & "Deister Overstrom"), Fort Wayne, Ind.
Deister Machine Co. ("Plat-O"), Ft. Wayne,, Ind.
Denver Engineering Works Co., Denver, Colo.
Dwight & Lloyd Sintering Co. (For Roasting & Sintering Ores), 29 B'way, New York
Eccleston Machinery Co., 162 S Anderson, Los Angeles, Cal.
Gibso W. W., 112 Market, San Francisco, Cal.
Guarantee Engineering & Machine Works ("Universal" Table), 1001 N. Main, Los Angeles, Cal.
Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.
Huff Electrostatic Separator Co. ("Huff," Electrostatic), 60 India, Boston, Mass.
James Ore Concentrator Co., 35 Runyon, Newark, N. J.
Knoxville Foundry & Machine Co., Knoxville, Tenn.
Llewellyn Iron Works ("New Standard"), Los Angeles, Cal.
McFarlane-Eggers Machy. Co. ("Bumper"), Denver, Colo.
Mashek Engineering Co., 90 West, New York
Magnetic Mfg. Co. (Magnetic), 279 23d av, Milwaukee, Wis.
See adv index at end of book
Mecklenburg Iron Works, Charlotte, N. C.
Mine & Smelter Supply Co. ("Wilfley"), 42 B'way, New York
Moyle E. H. Engineering & Equip. Co. ("Moyle" Portable), 4824 S Main, Los Angeles, Cal.
Portage Lake Foundry & Machine Co., Hancock, Mich.
Salt Lake Engng. Works, Salt Lake City, Utah
Sintering Mach. Corp. (for Roasting & Sintering Ores), Netcong, N. J.
Sutton Steele & Steele, Inc. ("S. S. & S." Dry), Dallas, Texas
Traylor Engng. & Mfg. Co., Allentown, Pa.
United Iron Works Inc. ("Ford") Complete Plants for Lead & Zinc Ores, etc), Kansas City, Mo.
Webb City & Carterville Foundry & Machine Works, Webb City, Mo.
Western Iron Works, Butte, Mont.
Worthington Pump & Machy. Corp., 115 Broadway, New York

2978—Concentrators (Vacuum)

Badger E. B. & Sons Co., 75A Pitts, Boston, Mass. *See adv index at end of book*
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Devine J. P. Co., Buffalo, N. Y.
Oat Jos & Sons, 228 Quarry, Phila., Pa.
Scott Ernest & Co. ("Scott"), Fall River, Mass.

2979— Concrete Binder

Corrugated Bar Co., Mutual Life bldg, Buffalo, N. Y.
Eastern Expanded Metal Co., 65 Franklin, Boston, Mass.

2980— Concrete Facing

NEW YORK PYRITES CO. INC., 25 Broad, New York

2981— Concrete (Bond)

Concrete Steel Co., 42 Broadway, New York
Living Stone Co. ("Living Stone"), 1 East Lee, Baltimore, Md.
Ransome Concrete Machinery Co., ("Ransomite"), Dunellen, N. J.

2982—Concrete Breakers (Traction)

Buckeye Traction Ditcher Co. (& Asphalt Breakers), (For Street Work), Findlay, Ohio.
Cleveland Wrought Products Co., 3400 W 58th, Cleveland, Ohio
See adv index at end of book
Grayson Iron Foundry Co., Reading, Pa.
JACKSON MFG. CO., Fourth & Boyd, Harrisburg, Pa.
See adv index at end of book
Lakewood Engineering Co., Cleveland, O.

Concrete Construction

See Concrete Steel Construction, Reinforced; also Contractors, General

2983-4—Concrete Curb (Steel Bound)

Concrete Steel Co., 42 B'way, New York
Electric Welding Co., Benedum Trees bldg, Pittsburgh, Pa.
Godwin W. S. Co. Inc., McComas & Race, Baltimore, Md.
Steel Protected Concrete Co. ("The Wainwright"), Real Estate Trust bldg, Phila., Pa.
Western Wheeled Scraper Co., Farnsworth, Aurora, Ill.

2985—Concrete Floors & Arches

See also Concrete Steel Construction, Reinforced; also Fireproofing, Various Systems
American Concrete Steel Co., 27 Clinton av, Newark, N. J.
Anchor Building Co., Elizabeth, N. J
See adv index at end of book
Anti-Hydro Waterproofing Co., 9 Orchard, Newark, N. J.
Asbestos Protected Metal Co., Beaver Falls, Pa.
Barber Asphalt Paving Co. ("Bromley" System), Phila., Pa.
Cal. Chemical Co. Inc., Hagerstown, Md.
Cement Finish Co., 103 Park av, New York
Masten Construction Co. Inc., 103 Park av, New York
Monsted A. Co., Milwaukee, Wis.
National Concrete Fire-Proofing Co., Citizens bldg, Cleveland, O.
Patrizio & Hendrickson, 280 Madison av, New York
Special Service Flooring Co., 2009 Grand Central Terminal, New York
Standard Concrete Steel Co., 105 W. 40th, Cleveland, O.
Wood-Mosaic Co. (Steel Woven Wood Block, Concrete Floors), New Albany, Ind.

2986— Concrete Forms

See also Centering, Steel; also Forms, Curb & Sidewalk
American Bridge Co., 30 Church, New York
Berger Mfg. Co. ("Berloy"), Canton, O.
BLAW-KNOX CO. ("Blawforms"), 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Breese Bros. Co. The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Collapsible Joist Form Co. (For Building), Finance bldg, Kansas City, Mo.
Concrete Steel Co., 42 Broadway, New York
Ford Meter Box Co. (For Water Works), Wabash, Ind.
HELTZEL STEEL FORM & IRON CO. (THE) (Concrete Construction), Warren, Ohio. *See adv index at end of book*
Holzer R. G. (Est. of), 317 Burgundy, New Orleans, La.
Hotchkiss Steel Foundry Co., Inc., Binghamton, N. Y.
Hydraulic Pressed Steel Co. (Steel), 3152 E 61st, Cleveland, O.
Hydraulic Steelcraft Co., Hydraulic av, Cleveland, O.
Martin Iron Works (Concrete Pipe), 1222 E. 28th, Los Angeles, Cal.
Merillat Culvert Core Co. (Adjustable, Collapsible, etc), Winfield, Ia.
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Overturf C. W. (Overturf Collapsible Culvert Mold), Dumont, Ia.
Pearson & Ludascher Lumber Co., Westmoreland & Delaware, Phila., Pa.
Polk Genung Polk Co. (Circular), Dept. H, Fort Branch, Ind.
Reinforced Concrete Co., St. Louis, Mo.
Tuerck-Mackenzie Machine Co., E. 3rd & Irving, Portland, Ore.

Concrete Forms (Collapsible)

See Centering, Steel

2987—Concrete Hanger Supports

Reinforced Concrete Co., St. Louis, Mo.

2988— Concrete Inserts

Concrete Steel Co. ("Havemeyer"), 42 B'way, New York

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Dayton Malleable Iron Co. ("Bigelow," "Dayton"), Dayton, O.
Dean, O. J. & Co., 179 W. Washington, Chicago, Ill.
DIAMOND EXPANSION BOLT CO. ("Diamond"), 87 West, New York
See adv index at end of book
Donley Bros. Co. (The), 13935 Miles av, Cleveland, Ohio
See adv index at end of book



Donley Concrete Inserts

Made of malleable cast iron, Donley Inserts offer dependable and superior anchorage in concrete wall or ceiling for shafting, trolley trucks, platforms, pipes, etc. When imbedded in concrete slot is exposed in lower surface which admits and supports bolt head. Comes in four sizes. Each size has shown by test a supporting strength equal to full load of corresponding steel bolt. Send for catalog.

The Donley Brothers Co.
13935 Miles Avenue, CLEVELAND, O.

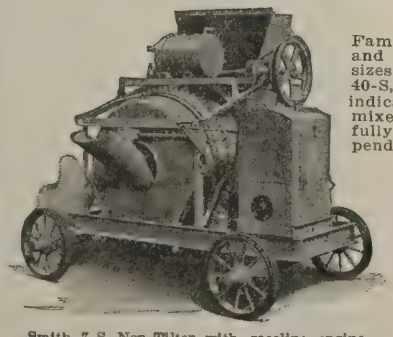
Duplex Hanger Co. (Shaft & Rope Hanger), E 53d & Lakeside av, Cleveland, O.
Hill Clutch Machine & Foundry Co., W. 65th, Cleveland, O.
KALMAN STEEL CO., 410 N Michigan av, Chicago
Knapp Bros. Mfg. Co., 2419 W 14th, Chicago, Ill.
Paine Co., 1742 Van Buren, Chicago, Ill.
Philadelphia Expansion Bolt Co. ("Monarch"), 124 North 6th, Phila., Pa.
Reinforced Concrete Co., St. Louis, Mo.
Richmond Screw Anchor Co., 245 Bush, Brooklyn, N. Y.
Rockwood Sprinkler Co. ("R. S. Co." Adjustable), Worcester, Mass.
SECURITY INSERT CO. ("Security"), 2016 N Hope, Phila., Pa.
Star Expansion Bolt Co. ("Sebco"), 147 Cedar, New York
Starke Adolph (Est. of), Columbia & Signourney, Brooklyn, N. Y.
Trucon Steel Co. ("Trus-Con" Pressed Steel Slotted, "Trus-Con," "National," "Kahn" Adjustable), Youngstown, O.

2989-90—Concrete Mixers

Acme Road Machinery Co., Frankfort, N. Y.
Albany Hardware Specialty Mfg Co. ("Albany"), Albany, Wis.
Am. Cement Mach. Co. ("Boss" & "Packard"), 227 S 4th, Keokuk, Ia.
ANCHOR CONCRETE MACHINERY CO. ("Anchor"), 530 Dublin av, Columbus, Ohio *See adv index at end of book*
Archer Iron Works ("Archer"), 2436 34th pl, Chicago, Ill.
Associated Mfrs. Co. ("Amanco"), Waterloo, Ia.
Atlas Engineering Co. ("Atlas"), 3038 Galena, Milwaukee, Wis.
Austin Machinery Corp., Dorr at Westwood, Toledo, Ohio
Austin W. E. Machinery Co. ("Ausco"), Atlanta, Ga.
Badger Concrete Mixer Co. ("Badger"), First Nat. Bk. bldg, Milwaukee, Wis.
Badger Wire & Iron Works ("Kwik-Mix"), 25th av & Cleveland, Wilwaukee, Wis.
Bethlehem Foundry & Machine Co. ("Bethlehem"), Bethlehem, Pa.
Blaw-Knox Co. ("Blaw-Ransome"), 636 Farmers Bank Bldg., Pittsburgh, Pa.
Blystone Mfg. Co. ("Blystone," Batch), Cambridge Springs, Pa.
Bolte Mfg. Co. ("Handy," "Bolte"), Kearney, Neb.
Braqstad Concrete Machy. Co., Inc., Canton, S. Dak.
Bremer W. A., 3612H S. Alameda, Los Angeles, Cal.
BROWN & SITES CO., 30 Church, New York
Buffalo Contractors Equipment Co. (Automatic), Buffalo, N. Y.
Carlin, John H. Machine Co., Pittsburgh, Pa.
Cement Machinery Co. ("Systematic"), Jackson, Mich.
Cement Tile Machinery Co. ("S. S. Line"), Waterloo, Ia.
CHAIN BELT CO. ("Rex"), 746 Park, Milwaukee, Wis.
See adv index at end of book
Chicago Builders' Specialties Co. ("Little Devil"), 11 S La Salle, Chicago, Ill.
Clarke F. H. Mfg. Co., 10719 Superior av, Cleveland, O.
Clover Leaf Machine Co., South Bend, Ind.
Construction Machinery Co. ("Wonder" "Little Wonder" "Wonder Ten" "Polygon"), 113 Vinton, Waterloo, Iowa
Cream City Boiler Co., 37th av & Lapham, Milwaukee, Wis.
Cropp & Co. ("Cropp"), 2334 W Kinzie, Chicago, Ill.
Crozier R. J. Co. (Dirs), 10 S. 18th, Phila., Pa.
Davis Norris K ("20th Century"), 400 7th, San Francisco, Cal.
Demorest Mfg. Co. ("New State," Hand & Power), Enid, Okla.
Dunn W. E. Mfg. Co., Holland, Mich.
Dyar Supply Co., 66 Broadway, Cambridge, Mass.
Eclipse Mach. Mfg. Co., Kendallville, Ind.
Edwards C. D. (Power & Without Power), Albert Lea, Minn.
Elite Mfg. Co. ("Low Down" Forced Feed), Ashland, O.
Elmberg E. F. Co., Inc. ("Elmco"), 60 Main, Parkersburg, Iowa
Famous Mfg. Co., East Chicago, Ind.
Farmers' Cement Tile Machine Co. (Batch Mixers), St. Johns, Mich.
Foote J. B. Foundry Co. ("Panama" Tilting Drum), 12 Front, Fredericktown, Ohio
Foote Concrete Machy. Co. (Road Paving), 1241 S Michigan av, Chicago, Ill.
Foote Co. ("Foote" Batch), Nunda, N. Y.
Gray Iron Foundry Co. ("Keystone"), Reading, Pa.
Green L. A., First National Bk. bldg, Pittsburgh, Pa.
Hall-Holmes Mfg. Co. ("Grand," "Hartwick"), Jackson, Mich.
Ideal Concrete Machy. Co. (CONTRACTORS BATCH MIXERS. Non-tilting drum type. Capacities 5-7-10-14-22 cubic feet. Gasoline, steam, electric drives. Paving mixers in 10 and 14 cubic feet capacities), 5007 Spring Grove av, Cincinnati, O.
See adv index at end of book
Industrial Equipment Co., Minster, Ohio
Interstate Equipment Co., South Bend, Ind.
Iowa Fdry & Mfg. Co. (Batch Mixer), Fort Dodge, Ia.

(Continued on following page)

There Is a Smith Mixer *for* Every Kind of Job



Smith 7-S Non-Tilter with gasoline engine, on trucks with power loader and tank.

Smith Tilting Mixers

Famous for their speedy, accurate and steady production. Made in sizes 2-S, 4-S, 10-S, 14-S, 21-S, 28-S, 40-S, 56-S and 112-S, the numerals indicating the number of cu. ft. mixed batch capacity. Catalog 406 fully describes these sturdy and dependable mixers.

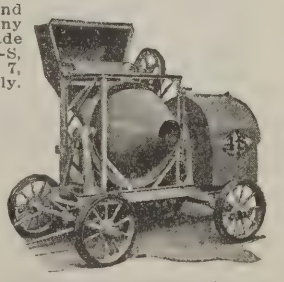
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Especially adapted for use in and about industrial plants or for any kind of building construction. Made in sizes 7-S, 14-S, 21-S and 28-S, with mixed batch capacities of 7, 14, 21 and 28 cu. ft. respectively. Ask for Catalog 405-C.

Smith Paving Mixers

Made in two sizes, 13-E and 21-E, Smith Pavers are rugged, powerful machines that typify the last word in paving mixer construction. They are fully described in Catalog 409-E.

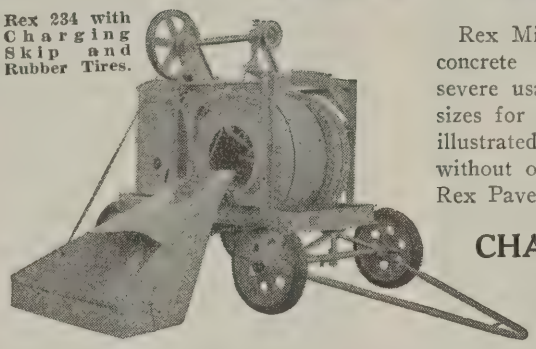
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1052 32nd. Street Milwaukee, Wis.
Sales Offices and Service Stations in All Principal Cities



Smith 4-S (Half-Bag) Tilter with gasoline engine, solid rubber tired wheels and power loader.

REX Concrete MIXERS

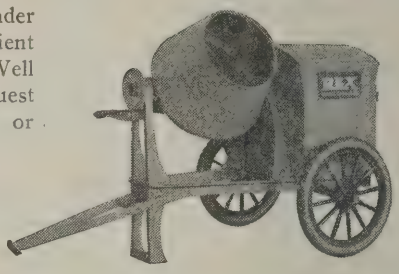
Rex 234 with Charging Skip and Rubber Tires.



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MILWAUKEE, WISCONSIN

Rex 233 Tilting Type Mixer.



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Joubert & Goslin Machine & Fdry Co., Birmingham, Ala.
Kent Machine Co. ("Kent," Continuous), Kent, O.
Knickerbocker Co. ("Knickerbocker"), Park & Liberty, Jackson, Mich.
Koehring Company ("Dandie"), 31st & Concordia av, Milwaukee, Wis.
Kwik-Mix Concrete Mixer Co. ("Kwik-Mix"), 1007 Cleveland av, Milwaukee, Wis.
Lakewood Engng. Co. ("Lakewood," "Rail Track," "Milwaukee," "Universal," "Wisconsin"), Cleveland, Ohio
Lansing Co. ("Broncho" & "Northwestern" Batch. "Advance," "1913," "Lansing" Continuous), Lansing, Mich.
Marsh-Capron Mfg. Co. ("M-C" Rail Track Mixers), 11 S La Salle, Chicago, Ill.
Martin Iron Works, 1222 E. 28th, Los Angeles, Cal.
Mecklenburg Iron Works, 510 W Trade, Charlotte, N. C.
Meyer Henry H Co. (Dirs.), 110 S Howard, Baltimore, Md.
See adv index at end of book
Miles Mfg. Co. ("Simplex," "Miles"), Jackson, Mich.
Milwaukee Concrete Mixer Co. ("Mixermobile"), 955 30th, Milwaukee, Wis.
Northfield Iron Co. ("Northfield"), Northfield, Minn.
Northwestern Steel & Iron Works, Eau Clair, Wis.
Ohio Concrete Machine Co. ("Ohio"), 129 E Columbus, Columbus, Ohio
Ohio Machine & Boiler Co., 1510H University rd, Cleveland, Ohio
Oshkosh Mfg. Co. ("Oshkosh"), Oshkosh, Wis.
Overturf C. W., Dumont, Ia.
Pioneer Iron Works, 149 Pioneer, Brooklyn, N. Y.
Pneumatic Concrete Machinery Co., Wilson av, Newark, N. J.
Raber & Lang Mfg. Co. ("Crescent" Continuous, "Bull Dog" Batch), Kendallville, Ind.
Ransome Concrete Machinery Co. ("Oshkosh"), (Power & Gravity), Dunellen, N. J.
Republic Iron Wks. ("Republic"), 325 Evans, Tecumseh, Mich.
Schaefer Mfg. Co., Berlin, Wis.
Sheldon Mfg. Co., Nehawka, Neb.
Silo Specialty Mfg. Co., Clinton, Ia.
SMITH T. L. CO., THE ("Smith" Tilting and "Smith" Non-Tilting Power Mixers; and "Smith" Hand Mixers), 1151 32d, Milwaukee, Wis.
See adv index at end of book
Southern Steel Products Co., H, Va. Railway & Power bldg, Richmond, Va.
Speed Machine Co., Passaic, N. J.
Standard Metal Products Co., 558 Bryant, San Francisco, Cal.
Standard The Scale & Supply Co. ("The Standard"), 1631 Liberty av, Pittsburgh, Pa.
Stehling Chas. H. Co., 401 4th, Milwaukee, Wis.
Stewart Mfg. Co. ("Stewart"), 157 Rath, Waterloo, Iowa
Stover Mfg. & Engine Co., Freeport, Ill.
Tuerck-Mackenzie Machine Co., E 3rd & Irving, Portland, Ore.
Turner Mfg. Co. ("Simplicity"), Port Washington, Wis.
Twentieth Century Mixer Co. ("20th Century"), Connersville, Ind.
United Engine Co. ("United" Batch), Lansing, Mich.
Wegge E. Concrete Machinery Co., La Crosse, Wis.
Western Mfg. Co., Oskaloosa, Ia.
Wisconsin Farm Implement Co. ("Wisconsin"), Beloit, Wis.

2991—Concrete Mixers for Street Paving

CHAIN BELT CO., 746 Park, Milwaukee, Wis. *See adv index at end of book*
Koehring Co., 31st & Concordia av, Milwaukee, Wis.
Lakewood Engng. Co., Cleveland, Ohio
Ransome Concrete Machinery Co., Dunellen, N. J.

2992—Concrete Reinforcing Bars (Iron & Steel)

See also Concrete Reinforcing Materials. This list contains only the Rolling Mills who roll this material, with the exception of advertisers who appear in Black Type
Am. Rolling Mill Co., Middletown, Ohio
AMES W & CO., Jersey City, N. J.
Armstrong Geo. W. & Co. Inc. (Iron & Steel Square Gold Twisted Bars From ⅜ to 1¼ inches up to 120 Feet in Length), Fort Worth, Texas
Ashland Steel Co. (Bessemer Steel), Ashland, Ky.
Atlantic Steel Co. (Open Hearth Steel, Twisted, Plain & Corrugated Bars Up to 80 Feet), Atlanta, Ga.
Bethlehem Steel Co. ("Gabriel," "Cambria," Bessemer & Open Hearth Steel Plain Rounds, Squares of Merchant Mill Lengths), Bethlehem, Pa.
Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
Calumet Steel Co. (Bessemer Steel, Round & Deformed Square of Any Length), 208 S La Salle, Chicago, Ill.
Carnegie Steel Co. (Bessemer & Open Hearth Steel), Carnegie bldg, Pittsburgh, Pa.
Colorado Fuel & Iron Co. (Iron & Open Hearth Steel, Twisted & Corrugated Bars From ¼ to 1½ Inches Up to 60 Feet), Denver, Colo.
Columbia Steel Co., 351H California, San Francisco, Cal.
Concrete Steel Co., 42 B'way, New York
Buffalo, N. Y.
Corrugated Bar Co., Mutual Life bldg.
Crucible Steel Co. of America (Steel Squares From ¼ to 1¼ Inches & Assorted Sizes of Flats & Twisted Up to 60 Feet), Oliver bldg, Pittsburgh, Pa.
Davis Bros. (Steel Only), 4250 Wissa, Phila., Pa.
Dean, O. J. & Co., 179 W Washington, Chicago, Ill.
Donner Steel Co., Inc., 475 Abbott rd, Buffalo, N. Y.
Duke Steel Co., Inc., 191 Pearl, New York
Fishel & Marks Co., Ft. of Krakow av, Cleveland, O.
See adv index at end of book
Ft. Wayne Iron Steel Rolling Mills (Iron & Soft Steel Bars up to 60 feet), West Taylor, Ft. Wayne, Ind.
Franklin Steel Works (Twisted Rounds & Squares ¼ to 1¼ Inches & Flats from ⅛x1 to ⅝x2½ Inches Up to 60 Feet), Franklin, Pa.
Gulf States Steel Co. (Cold Twisted Squares, Plain Squares & Plain Rounds), Birmingham, Ala.
Horner W. S. & Co., Oliver bldg, Pittsburgh, Pa.
Hunkins-Willis Lime & Cement Co. (Dirs), Century bldg, St. Louis, Mo.
Illinois Steel Co. (Cold Twisted Square, Plain, Round, Flat & Square Bars, etc), 208 S La Salle, Chicago, Ill.
Industrial Steel Corp. (Dirs.), 2704 Granview, Chicago, Ill.
INLAND STEEL CO. (Open Hearth & Rail Carbon Steel Rounds, Squares, and Deformed Bars Up to 85 Feet in length), 38 S Dearborn, Chicago, Ill.
Interstate Iron & Steel Co. (Steel only), 104 S Michigan, Chicago, Ill.
Iron Trade Products Co., Farmers Bank bldg., Pittsburgh, Pa.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Jones & Laughlin Steel Co. (Bessemer & Open Hearth Steel Diamond Bars & Twisted Squares, Any Size), Ross, Pittsburgh, Pa.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
Kalman Steel Co., 410 N Michigan av, Chicago, Ill.
Kansas City Bolt & Nut Co. (Steel ¼ to 1¼ in. Twisted Squares, Plain Rounds & Squares, Deformed Bars Up to 60 ft.), Sheffield Station, Kansas City, Mo.
Kyle & Co. Inc., 333G, Fresno, Cal.
Lackawanna Steel Co. (Bessemer & Open Hearth Steel ¼ to 1¼ Inch Twisted Squares, Plain Rounds & Squares & "Maxwell" & Corrugated Bars Up to 60 Feet), Buffalo, N. Y.
Laclede Steel Co. (Twisted Squares Deformed Rounds & Squares; sizes ⅜ to 1¼ inch), Arcade bldg., St. Louis, Mo. Works: Madison, Ill.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Lebanon Valley Iron & Steel Co. (Iron & Steel Bars, All Sizes & Any Length), Lebanon, Pa.
Lockhart Iron & Steel Co. (Rounds, Flats, Squares, Hexagons, etc.), McKees Rocks, Pa.
Logan Iron & Steel Co. (Iron & Bessemer & Open Hearth Steel Plain Rounds, Flats & Squares), St. Girard bldg, Phila., Pa.
Lukens Steel Co., Coatesville, Pa.
Marion Malleable Iron Works (Couplings), 2300 W. 9th, Marion, Ind.
Moss J. E. Iron Works, Wheeling, W. Va.
Naylor & Co. (Dirs.), 120 Broadway, New York
Oil City Iron Works, Corsicana, Texas
Pacific Coast Steel Co (Bars, Round Square & Flat, Steel Deformed Bars), Rialto bldg, San Francisco, Cal.
Pardee C. Works (Open Hearth Steel Full Length Rounds & Twisted Squares), Perth Amboy, N. J.
Paterson-Leitch Co., 936 E. 67th, Cleveland, O.
Pidgeon-Thomas Iron Co., Memphis, Tenn.
Pollack Steel Co., 336 W 71st, Carthage, Cincinnati, Ohio
Republic Iron & Steel Co. (Iron & Bessemer & Open Hearth Steel Rounds, Squares & Deformed or Twisted Bars of Any Length Up to 90 Feet), Youngstown, O.
See branch offices alphabetical section
Rockaway Rolling Mill (Iron & Open Hearth Steel Rounds, Flats, Squares, etc, Any Length), Rockaway, N. J.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
S. F. Steel Products Co., 44 Natoma, San Francisco, Cal.
SMITH DAVID H & SONS, Foot of 51st, Brooklyn, N. Y.
See adv index at end of book
Southern California Iron & Steel Co. (Plain or Deformed), E 4th & Mateo, Los Angeles, Cal.
Southern Steel Products Co., H, Va. Railway & Power bldg, Richmond, Va.
SWEETS STEEL CO., Williamsport, Pa.
Tennessee Coal, Iron & R. R. Co. (Open Hearth Steel Rounds & Squares), Birmingham, Ala.
Tucker Edw. A. Co., 101 Milk, Boston, Mass.
Vulcan Mfg. Co., 1200 4th av, So. Seattle, Wash.
WETENHALL W. S. CO. (Jobbers & Dealers, 17th & Wisconsin, San Francisco, Cal.

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Wire fabric reinforcement for concrete roads ensures permanence

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Wilkins J. D., 204 W. Lee, Greensboro, N. C.
Witherow Steel Co., Keystone bldg, Pittsburgh, Pa.
Woods, Huddart & Gunn, 444 Market, San Francisco, Cal.
Youngstown Sheet & Tube Co., Youngstown, Ohio

2993—Concrete Reinforcing Materials

See also Concrete Reinforcing Bars

American Concrete Steel Co., 27 Clinton, Newark, N. J.
AMERICAN STEEL & WIRE CO. (Triangle Mesh), 208 La Salle, Chicago, Ill. *See adv index at end of book*
American System of Reinforcing ("American" Systems of Rods & Wire Fabric, Zigzag Beam Wrapping, etc), 10 S La Salle, Chicago, Ill.
American Wire Fence Co. (Wire Fibre), 10 S La Salle, Chicago, Ill.
Amos Chas. & Co. Inc., 3000 Hart av, Detroit, Mich. *See adv index at end of book*
Ashland Steel Co. (Corrugated & Twisted), Ashland, Ky.
Beckley Perforating Co. (Special Shapes), Garwood, N. J.
Berger Mfg. Co. ("Fero Lithic" Interlocking Plates for Concrete, "Berloy" "Riplex" ⅜ to ¾ Inch Plates), 1038 Belden av, N E, Canton, O.
Bostwick Steel Lath Co., Niles, O.
Bourne Fuller Co., Hanna bldg, Cleveland, O.
Brown Hoisting Machinery Co. ("Ferroinclave"), 4403 St. Clair, N E, Cleveland, O.
See adv index at end of book
Buffalo Steel Co. (Twisted & Deformed, Plain Squares & Rounds), Tonawanda, N. Y.
Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y.
See adv index at end of book
Calumet Steel Co. (Steel Bars & Shapes, Plain & Deformed Squares and Rounds), 208 S La Salle, Chicago, Ill.
Campbell Wire Specialty Works (Wire Anchors, Rods, Wall Ties, Staples, etc), South Bend, Ind.
Carnegie Steel Co. (Twisted Steel Bars), Carnegie bldg, Pittsburgh, Pa.
Concrete Products Co., Finance bldg, Kansas City, Mo.
Concrete Steel Co., 42 B'way, New York
Concrete Steel Engineering Co. (Steel Bars, etc) 13 Park Row, New York
Corrugated Bar Co., Mutual Life bldg, Buffalo, N. Y.
Consolidated Expanded Metal Co.'s, Braddock, Pa.
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Electric Welding Co. ("Cummings" System), Benedum Trees bldg, Pittsburgh, Pa.
Expanded Metal Engng. Co., 8 W 40th, New York
Ft. Wayne Iron Steel Rolling Mills, W. Taylor, Ft. Wayne, Ind.
Fort Wayne Rolling Mill Corp., Fort Wayne, Ind.
Franklin Steel Works (Steel Bars, Plain Rounds & Squares & Square Twisted), Franklin, Pa.
GENERAL FIREPROOFING CO. (THE), ("Self-Centering" Expanded Metal), 2308 Logan av, Youngstown, O.
See adv index at end of book
Goldsmith Metal Lath Co., 53 Central av, Cincinnati, O.
Hanson A. P. & Son ("Unit" Spacing Bar), 1911 Emerson av, Chicago, Ill.
Hubbard & Co. (Ore Process for Reinforcing Wooden Poles), 63d & Butler, Pittsburgh, Pa.
Hunkins-Willis Lime & Cement Co., Century bldg, St. Louis, Mo.
Industrial Steel Corp. (Dlrs.), 2704 Granview, Chicago, Ill.
Interstate Iron & Steel Co. (Rods), 104 S Michigan, Chicago, Ill.
Jacksonville Concrete Products Co., 630 Riverside av, Jacksonville, Fla.
Janson Steel & Iron Co., Columbia, Pa.
KALMAN STEEL CO., 410 N. Michigan av, Chicago, Ill.
Kansas City Bolt & Nut Co. (Steel Bars, Plain, Round & Square, Twisted Squares & Flat), Sheffield Station, Kansas City, Mo.
Kyle & Co. Inc., 333G, Fresno, Cal.
Laclede Steel Co. (Twisted Squares, Deformed Rounds & Squares, Sizes ¼ to 1½ inches), Arcade bldg, St. Louis, Mo. Works: Madison, Ill.
Marion Malleable Iron Works (Wire Form Tighteners), 2300 W 9th, Marion, Ind.
Mitchell-Tappen Co., 15 John, New York
National Concrete Machinery Co. ("National"), Bank of Wis. bldg, Madison, Wis.
North Western Expanded Metal Co. ("Econo"), 1223 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Osborn Engineering Co. The, 7016 Euclid av, Cleveland, Ohio
Page Steel & Wire Co. (Reinforcing Wire Fabric), Adrian, Mich.
Paterson-Leitch Co., 936 E. 67th, Cleveland, Ohio
Pollak Steel Co., The, 386 W 71st, Carthage, Cincinnati, O.
Reed Wire Specialties Co. Inc., 717 E 140th, New York
Reinforced Concrete Co. (Twisted Steel Bars, Fabrics, Spirals, "Reco" Continuous Patent Stirrups), Arcade bldg, St. Louis, Mo.
Republic Iron & Steel Co. (Rounds, Flats, Squares & Cold Twisted Bars), Youngstown, O.
See branch offices alphabetical section
Republic Structural Iron Works Co., 1350 E 53d, Cleveland, O.
Smith A. L. Iron Works, (rods), 217 Everett av, Chelsea, Mass.
Southern Steel Products Co., H, Va. Railway & Power bldg, Richmond, Va.
Thomas Steel Reinforcement Co., Concrete Pavement), Majestic bldg., Detroit, Mich.
Tichener-Diehl Co. (Specialties), 1844-48 W Austin av, Chicago, Ill.
Truscon Steel Co. (Kahn System), Youngstown, O.
Tucker, Edw. A. Co., 101 Milk, Boston, Mass.
Wetenhall W. S. Co., 17th & Wisconsin, San Francisco, Cal.
Wickwire Spencer Steel Corp., 41 East 42nd, New York
See adv index at end of book
Wight W. N. & Co. (Lock Woven Steel Fabric), 5 Beekman, New York

2994— Concrete Sockets

Concrete Steel Co., 42 Broadway, New York
Firbrich Fred ("Bigelow" Adjustable Socket Bracket, &c., of Malleable Iron), Monadnock blk, Chicago, Ill.

2995—Concrete Steel Construction (Reinforced)

See also Contractors, Building & General

Aberthaw Cons. Co., 27 School, Boston, Mass.
Almion Engineering & Contracting Co., 25 Church, New York
Altoona Concrete Construction & Supply Co., Altoona, Pa.
Ambursen Constr. Co. (Dams, Bulkheads, etc), Grand Cent. Term., New York
American Concrete Paving Co., Buffalo, N. Y.
American Concrete Steel Co., 27 Clinton, Newark, N. J.
American Construction Co. (Dams, Bulkheads, etc), Marion bldg, Cleveland, O.
Amsterdam Building Co., 138 E 44th, New York
Arkansas Foundry Co., Little Rock, Ark.
Asbestos Protected Metal Co., Beaver Falls, Pa.
Asher Fire Proofing Co., 915 Southern bldg, Washington, D. C.
Ballinger Co., S. E. cor 12th & Chestnut, Phila., Pa.
Barre Ferdinand Equitable bldg, Baltimore, Md.
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Black Hawk Construction Co., Waterloo, Iowa
Blome-Sinek Co., 139 N Clark, Chicago, Ill.
Boland C. P. & Co., 30 4th, Troy, N. Y.
Bostwick Steel Lath Co., Niles, O.
Brown Hoisting Machinery Co. ("Ferroinclave"), 4403 St. Clair, N E, Cleveland, O.
See adv index at end of book
Campbell Wire Specialty Works (Wire Anchors, Rods, Wall Ties, Post Staples, etc), South Bend, Ind.
Carmichael Wm. P. Co., Williamsport, Ind.
Chesley, Earl & Heimbach, 20 Breckenridge, Buffalo, N. Y.
Chickamauga Quarry & Const. Co., Chattanooga, ITenn.
Clough Concrete Construction Co., Quincy, Ill.
Concrete Engineering Co., Omaha, Neb.
Concrete Service Co., 1328 B'way, New York
Concrete Steel Bridge Co., Clarksburg, W. Va.
Concrete Steel Co., 42 B'way, New York
Concrete & Steel Const. Co., Joplin, Mo.
Connelly J. Construction Co., Leader-News bldg, Cleveland, O.
Consolidated Engineering Co., Calvert bldg, Baltimore, Md.
Corrugated Bar Co. (Corrugated Steel Bars), Mutual Life bldg, Buffalo, N. Y.
Crane H. A. & Bro., 23 Fairmont av, Jersey City, N. J.
Cullen & Vaughn Co, 450 Dayton, Hamilton, O.
Cullinan Thomas F. Co., Providence, R. I.
Cummings Structural Concrete Co. ("Cummings" System), Benedum Trees bldg, Pittsburgh, Pa.
Curtiss & Dean, 721 Main, Hartford, Conn.
Denton & Co., 7 E 42nd, New York
Drehmann Paving Co., 508 Glenwood, Philadelphia, Pa.
Drew Fred Co., Woodward bldg, Washington, D. C.
Eastern Concrete Steel Co., Morgan bldg, Buffalo, N. Y.
Electric Welding Co., Benedum Trees bldg, Pittsburgh, Pa.
Ensign G. W. Inc., Harrisburg, Pa.
Erie Concrete Steel Co., Erie, Pa.
Expanded Metal Engineering Co. (Reinforced), 523 W 33rd, New York
Farbes Richd. J. H., Monadnock bldg, San Francisco, Cal.
Fell Henry R. Co., Trenton, N. J.
Ferguson J. W. Co., 152H Market, Paterson, N. J.
Ferro Concrete Construction Co., Dept. H, Third & Elm, Cincinnati, Ohio
Foster & Creighton Co., Nashville, Tenn.
General Construction Co., 3038 Galena, Milwaukee, Wis.
GENERAL FIREPROOFING CO. (THE), 2308 Logan av, Youngstown, O.
See adv index at end of book
Gilsonite Contracting Co., Wainwright bldg, St. Louis, Mo.
Godwin Const. Co., 130 E 44th, New York
Goldsmith Metal Lath Co., 3rd & Eggleston av, Cincinnati, Ohio
Gould Construction Co., Davenport, Ia.
Grant Geo. J. Construction Co., Exchange Bk. bldg, St. Paul, Minn.

(Continued on following page)

Concrete Steel Construction (Reinforced)—Continued

Great Lakes Dredge & Dock Co., 104 S Michigan av, Chicago, Ill.
Guarantee Const. Co., 92 West, New York
Harry S. J. Co., Connellsville, Pa.
Harvey-Burden Const. Co., Central National Bank bldg, St. Louis, Mo.
Heine Chimney Co. (The), 123 W Madison, Chicago, Ill.
Heyworth J. O., 606 S Michigan, Chicago, Ill.
Hinchman-Renton Fireproofing Co., 1815 Arapahoe, Denver, Colo.
Hoeffer & Co., 133 W Wash'n, Chicago, Ill.
Hudson Concrete Construction Co., 452 Montgomery, Jersey City, N. J.
Hunt Engineering Co., N. Y. Life bldg, Kansas City, Mo.
Industrial Engineering Co., 30 Church, New York
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
KALMAN STEEL CO., 410 N. Michigan av, Chicago, Ill.
Kansas City Bridge Co., Kansas City, Mo.
Kidde Walter & Co., Inc., 140 Cedar, New York
Kyle & Co. Inc., 333G, Fresno, Cal.
Lafayette Engineering Co., Lafayette, Ind.
Lanquist & Illsley Co., 1100 N Clark, Chicago, Ill.
Leighton H. N. & Co., 127 S 10th Minneapolis, Minn.
Leonard Construction Co., 37 S Wabash, Chicago, Ill.
Ley Fred T. & Co. Inc., 495 Main, Springfield, Mass.
Link-Belt Company, 300 W 39th, Chicago, Ill. *See adv index at end of book*
Lucius Engineering Co., Hartje bldg, Pittsburgh, Pa.
Lukens Steel Co., Coatesville, Pa.
McKinnon Construction Co., 70 Water, Providence, R. I.
Masters & Mullen Const. Co., Rose bldg, Cleveland, O.
Menke F. W. Stone & Lime Co., Quincy, Ill.
Midland Bridge Co., Railway Exch., Kansas City, Mo.
Monsted A. Co., Pabst bldg, Milwaukee, Wis.
Moss J. E. Iron Wks., Wheeling, W. Va.
National Concrete Co. (Bridges, etc), Trac. Terminal bldg, Indianapolis, Ind.
National Concrete Const. Co., Louisville, Ky.
National Concrete Fireproofing Co., Citizens bldg, Cleveland, O.
National Supply & Construction Co., Ellwood City, Pa.
Neeld C. M. Construction Co., Oliver bldg, Pittsburgh, Pa.
Neuchatel Asphalt Co., 79 Tompkins, New York
Nicola Building Co., Lambert & Penna av, Pittsburgh, Pa.
Otis Cement Construction Co., Hammond bldg, Detroit, Mich.
Parsons & Lantry, Gr. Cent. Term. bldg, New York
Paterson-Leitch Co., 936 E 67th, Cleveland, O.
Pueblo Bridge Co. (Bridges, etc), Pueblo, Colo.
Puget Sound Bridge & Dredging Co., Seattle, Wash.
Rackie Geo. & Sons Co., A. B. C. Line, Cleveland, O.
RAYMOND CONCRETE PILE CO., 140 Cedar, New York
Read-Coddington Engineering Co., Niagara Falls, N. Y.
Reaugh Construction Co., 2835 E 51st, Cleveland, O.
Reed Wm. T. Co., 201H Devonshire, Boston, Mass.
Reinforced Concrete Co. (Consulting), Arcade bldg, St. Louis, Mo.
Richards - Neustadt Construction Co., Trust & Savings bldg, Los Angeles, Cal.
Roberts & Schaefer Co. (Locomotive Coaling Stations Coal Tipples & Power Houses), 1110 Wrigley bldg, Chicago, Ill.
Robinson Dwight P. & Co., Inc., 125 E. 46th, New York
Robinson J. L. Construction Co., 1130 W Lafayette, Baltimore, Md.
Roos-Meyer-Hecht Co., 2824 Stanton av, W H, Cincinnati, Ohio
Rust Engineering Co., 311 Ross, Pittsburgh, Pa.
Schillinger Bros. Co., 215 City Park av, Toledo, O.
Schutz, Shreiner & Clyde Co., May bldg, Pittsburgh, Pa.
Scofield Engrg. Constr. Co., Pacific Finance bldg, Los Angeles, Cal.
Simpson Bros. Corp., 77 Summer, Boston, Mass.
Southern Ferro Concrete Co., Atlanta, Ga.
Sperry Engng. Co., 136 Chapel, New Haven, Conn.
Standard Concrete Construction Co., 108 S La Salle, Chicago, Ill.
Stark N. M & Co. (Bridges, etc), Des Moines, Ia.
STEWART JAS. & CO. (INC.), Madison av & 42nd, New York
Swenson Construction Co., Shubert Theater bldg, Kansas City, Mo.
Syracuse Bridge Co. (Bridges, Foundations etc), Syracuse, N. Y.
Talbott H. E. Co. (Bridges, Buildings, etc), City Nat'l Bk. bldg, Dayton, O.
Thompson-Starrett Co., 51 Wall, New York
Thompson & Binger, 103 Park av, New York
Topeka Bridge & Iron Co. (Bridges, etc., Topeka, Kan.
Truscon Steel Co. (Kahn System), Youngstown, O.
Tucker Edward A. Co., 101 Milk, Boston, Mass.
Tucker & Laxton, Charlotte, N. C.
Turner C. A. P. ("Mushroom" System), 627 1st av N, Minneapolis, Minn.
Turner Const. Co. ("Turner for Concrete" Reinforced Concrete Construction), 244 Madison av, New York
United Fireproofing Co. Inc., 8 W. 40th, New York
Vogt Alfred H., 185 Stevenson, San Francisco, Cal.
Wark Co., 231 S Broad, Phila., Pa.
Warwick Constn. Co., 1048H W Harrison, Chicago, Ill.
Weber Chimney Co. (Reinforced Concrete Chimneys, etc), McCormick bldg, Chicago, Ill.
West Construction Co., American bldg, Baltimore, Md.
White F. O. Construction Co., 100 Everett, Boston, Mass.
White J. G. Engng. Corp., 43 Exchange pl, New York
Whittaker & Diehl, Harrisburg, Pa.

2995a— Condenser Tubes

(See also Tubes Condenser)

AMERICAN BRASS CO. (Brass & "Admirality"), Waterbury, Conn.
For branch offices see adv index at end of book
BALTIMORE TUBE CO., Wicomico & Ostend, Baltimore, Md.
See adv index at end of book
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book

2996— *Condensers (Air)

BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

2997— Condensers (Ammonia)

Allis Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Arctic Ice Machine Co., Canton, O.
See adv index at end of book
Baker Ice Machine Co., Omaha, Neb.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Carbondale Machine Co., Carbondale, Pa.
Case W. A. & Sons Mfg. Co., 31 Main, Buffalo, N. Y.
Columbus Iron Works, Columbus, Ga.
Kupferle Bros. Mfg. Co., 600 N 2d, St. Louis, Mo.
Niebling F. W. Co., 406 Elm, Cincinnati, O.
Shipley Construction & Supply Co., ft. of Warren, B'klyn, N. Y.
Southwestern Condenser Co., 606 S Hill, Los Angeles, Cal.
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Strobl Mfg. Co., 410 N Western av, Chicago, Ill.
Struthers-Wells Co., Warren, Pa.
Triumph Ice Machine Co., Oakley, Cincinnati, O.
Vilter Mfg. Co., 1046 Clinton, Milwaukee, Wis. *See adv index at end of book*
Vogt Bros. Mfg. Co., Louisville, Ky.
York Mfg. Co., York, Pa.

2998—Condensers (Barometric)

Allis Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Blake Pump & Condenser Co., Fitchburg, Mass.
BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Buffalo Steam Pump Co., 490H B'way, Buffalo, N. Y.
Devine J. P. Co., Buffalo, N. Y.
Elliot Co., Dept. H, Jeanette, Pa.
Hamler Boiler & Tank Co., Dept. H, W 66th & So. 60th av, Chicago, Ill.
Honolulu Iron Works Co., 233 Broadway, New York
Horstmann Mfg. Co., 932 Folsom, San Francisco, Cal.
Ingersoll-Rand Co. (Counter-Current), 11 Broadway, New York
See adv index at end of book
KALMAN STEEL CO., 22 W Monroe, Chicago, Ill.
KELLOGG M. W. CO., ("Bulkley"), 90 West, New York
See adv index at end of book
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book

Mesta Machine Company
Pittsburgh, Pa., U. S. A.

Oat Joseph & Sons, 228 Quarry, Phila., Pa.
Phoenix Iron Wks., Meadville, Pa.
Pulaski Foundry & Mfg. Corp., 2424 Euclid av, Cleveland, O.
See adv index at end of book
Quintard Iron Works Co., 40 Wall, New York
Ross Heater & Mfg. Co. Inc., 1407H West av, Buffalo, N. Y.
Stokes F. J. Machine Co., 6138 Tabor, Phila., Pa.
Westinghouse Electric Mfg. Co., East Pittsburgh, Pa. *See adv index at end of book*
Wheeler C. H. Mfg. Co., Lehigh av & N 18th, Phila., Pa.
Wheeler Condenser & Engrg. Co., West Carteret, N. J.
Worthington Pump & Machy. Corp., 115 Broadway, New York

2998a—Condensers (Chemical)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Hamler Boiler & Tank Co., Dept. H, W. 66th & S 60th av, Chicago, Ill.
Pacific Copper & Brass Works Inc., 1915 E. 7th, Los Angeles, Cal.
Thermal Syndicate Ltd., 58 Schenectady av, New York

2999—Condensers (Chemical Works, Etc.)

Baeuerle & Morris, 932 N Front, Phila., Pa.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Case W. A. & Sons Mfg. Co., 31 Main, Buffalo, N. Y.
Devine J. P. Co., Buffalo, N. Y.
Durion Castings Co., Dayton, O.
Gerstein Bros. & Cooper, 3 W 3rd, South Boston, Mass.
Griscom-Russell Co., 92 West, New York
See adv index at end of book
Lummus Walter E. Co., 171 Milk, Boston, Mass.
Oat Joseph & Sons, 228 Quarry, Phila., Pa.
Pacific Copper & Brass Works Inc., 1915 E. 7th, Los Angeles, Cal.
Sleeper O. S. & Co., Inc., White bldg, Buffalo, N. Y.
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book

2999a-1—Condensers (Copper)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Burkhard Thos. Inc., 494 Flushing av, B'klyn, N. Y.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Lummus Walter E. Co., 171 Milk, Boston, Mass.
Oat Joseph & Sons, 228 Quarry, Phila., Pa.
Roos Chas. A., 429 E 91st, New York
Schaefer Copper Works Inc. (Milk), 523 N. 22nd, Portland, Ore.
Welded Steel Barrel Corp., Hart & Charlevoix av, Detroit, Mich.

2999a—Condensers (Distilled Water)

Atlas Copper & Brass Mfg. Co., 2734 High, Chicago, Ill. *See adv index at end of book*
Bethlehem Shipbuilding Corporation Ltd., Bethlehem, Pa.
BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Oat Joseph & Sons, 228 Quarry, Phila., Pa.
Pacific Copper & Brass Works Inc., 1915 E. 7th, Los Angeles, Cal.
Pratt & Cadey Co. Inc. ("Davis"), Hartford, Conn.
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book

2999b—Condensers (Eductor)

Schutte & Koerting Co., 1251 N 12th, Phila., Pa. *See adv index at end of book*

3000— *Condensers (Ejector)

Devine J. P. Co., Buffalo, N. Y.
Worthington Pump & Mach'y Corp. ("Spirojector"), 115 Broadway, New York

3001— Condensers (Electric)

Allis-Chalmmers Mfg. Co. (Synchronous), Milwaukee, Wis.
See adv index at end of book
Automatic Elec. Co., 947 W Van Buren, Chicago, Ill.
Bakelite Corp., 247 Park av, New York
See adv index at end of book
Bunnell J. H. & Co., 32 Park pl, New York
Dubilier Condenser & Radio Corp., 48 W 4th, New York
Eby H. H. Mfg. Co., 40 S 7th, Phila., Pa.
Electric Specialty Co., Cresco, Ia.
Esler Electric Mfg. Co., Marion, Ind.
Foote, Pierson & Co., 160 Duane, New York
GENERAL ELECTRIC CO. (Static & Synchronous), Schenectady, N. Y.
See adv index at end of book
Leeds & Northrup Co., 4901 Stenton av, Phila., Pa.

Pearce Fred'k Co., 70 W 40th, New York
Philbrin Corp., Kennett Square, Pa.
Queen-Gray Co., 64-70H W Johnson, Phila., Pa.
STROMBERG - CARLSON TELEPHONE Mfg. Co., 1050 University av, Rochester, N. Y.
Thompson-Levering Co. ("Peerless"), 325 Arch, Phila., Pa.
Warner Electric Co., Muncie Ind.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.

3002— Condensers (Gas)

See also Gas Works Apparatus & Construction

Bartlett Hayward Co., Scott & McHenry, Baltimore, Md.
Bethlehem Shipbuilding Corp., Ltd., 20th & Michigan, San Francisco, Cal.
Cruse-Kemper Co., Ambler, Pa.
Gas Machy. Co., 1900 Euclid av, Cleveland, Ohio
Isbell Porter Co. (Primary & Secondary for Fresh or Salt Water), 46 Bridge, Newark, N. J.
Quintard Iron Works Co., 40 Wall, New York
Southwestern Engineering Co., 606 S Hill, Los Angeles, Cal.
Stacey Bros. Gas Construction Co., 5535 Carthage Pike, Cincinnati, Ohio
Stacey Mfg. Co., Big Four R R, Township av, Elmwood, Cincinnati, O.
WESTERN GAS CONSTRUCTION CO., 1431 Buchanan, Fort Wayne, Ind.

Condensers (Independent)

See Condensers, Steam

Condensers (Jet)

See Condensers, Steam

3002a—Condensers (Multi-Jet for Steam Engines, Turbines & Evaporators)

SCHUTTE & KOERTING CO., 1251 N 12th, Philadelphia, Pa.
See adv index at end of book

3002a-1—Condensers (Nitric Acid)

Bethlehem Fdy. & Machine Co., Bethlehem, Pa.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
General Ceramics Co., 50 Church, New York
Knight Maurice A., Akron, O.
Lehigh Fdy Co., Fullerton, Pa.
Thermal Syndicate Ltd., 58 Schenectady av, New York

3002b—Condensers (Obnoxious Vapor)

Schutte & Koerting Co., 1251 N. 12th, Philadelphia, Pa.
See adv index at end of book

3003—Condensers (Oil Refining)

Braun C. F. & Co. ("Braun"), Mission rd & Fremont av, Los Angeles, Cal.
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
HAMMOND IRON WORKS, Warren, Pa.
See adv index at end of book
Horton Steel Works Ltd., 118 Janet St., Bridgeburg, Ont. Can.
PETROLEUM IRON WORKS CO., OF OHIO, Sharon, Pa.
See adv index at end of book
Southwestern Condenser Co., 606 S Hill, Los Angeles, Cal.
STANDARD BOILER & PLATE IRON CO., Niles, O.
See adv index at end of book
Teachout H. E. Boiler Works, E 37th & Erie R. R., Cleveland, O.
Warren City Tank & Boiler Co. (The), Warren, Ohio
See adv index at end of book

3003a—Condensers (Radio Receiving)

Acme Apparatus Co. ("Acme"), 136 Mass. av, Cambridge, Mass.
Adams Morgan Co. (Fixed & Variable), Montclair, N. J.
Aerovox Corp., 47 Kearny, San Francisco, Cal.
Air-Way Elec. Appliance Corp., 618 B'way, Toledo, O.
Am. Radio & Research Corp. ("Amrad" Variable), 203 College av, Medford Hillside, Mass.
Am. Radio Sales & Service Co. (Fixed), Mansfield, O.
Andrea Frank A. D. (Fixed), 1882 Jerome av, New York
Auth Electrical Specialty Co., 422 E 53d, New York
Barwood V. H. Mfg. Co. (Fixed "Barco"), Lynn, Mass.
See adv index at end of book
Bliss R. W. Co. (Variable), Atlantic, Mass.
Bremer-Tully Mfg. Co., 532 S Canal, Chicago
Bunnell & Co. J. H. ("Bunnell"), 32 Park pl, New York
Cardwell Allen D., 81 Prospect, Brooklyn, N. Y.
CARTER RADIO CO., 209 S State, Chicago, Ill.
Chelsea Radio Co. ("Chelsea" Variable), 150 5th, Chelsea, Mass.
Chicago Radio Laboratories ("Zenith"), 332 S Michigan, Chicago, Ill.
Clapp-Eastham Co., 139 Main, Cambridge, Mass.
Colburn Gear & Mfg. Co., 1 Woodworth, Dorchester, Boston 22, Mass.
Conn. Tel. & Elec. Co. ("Connecticut" Variable), Meriden, Conn.
Coto-Coil Co. ("Cotoco"), 87 Willard av, Providence, R. I.
Crosley Mfg. Co. (Fixed & Variable), Alfred & Cook, Cincinnati, O.
De Forest Radio Tel. & Telg. Co., 1415 Franklin, Jersey City, N. J.
Dubilier Condenser & Radio Corp. ("Dubilier" Fixed), 48 W 4th, New York
Duck Wm. B. Co. (Fixed), 224 Superior, Toledo, O.
Eastern Precision Elec. Instr. Co. (Fixed), Rockville Centre, N. Y.
Eastern Radio Laboratories, Fort Lee, N. Y.
Electric Machine Co., Pratt & Meridian, Indianapolis, Ind.
Empyrean Radio Co., Chicago, Ill.
Federal Tel. & Tel. Co. ("Federal" Variable & Fixed), 1738 Elmwood av, Buffalo, N. Y.
Freed-Eisemann Radio Corp. ("F-E"), Sperry bldg, Brooklyn, N. Y.
General Apparatus Co., 88 Park, New York
General Radio Co., Mass. av & Windsor, Cambridge, Mass.
General Wireless Corp., 25 W 45th, New York
Grebe A. H. & Co., Inc. (Variable & Fixed), 70 Van Wyck bldg, Jamaica, N. Y.
Gilbert & Co. (Fixed), New Haven, Conn.
Hi-Grade Wireless Instr. Co., Asheville, N. C.
Horne Mfg. Co. ("Horn," Variable), 243 Mercer, Jersey City, N. J.
HOWARD RADIO CO. INC., 451-469 E Ohio, Chicago
See adv index at end of book
Jefferson Elec. Mfg. Co. ("Grid"), 430 S. Green, Chicago, Ill.
Johnson Geo. F., 625 Black av, Springfield, Ill.
Kilbourne & Clark Mfg. Co. ("K. & C."), 101 Spokane, Seattle, Wash.
Klaus Radio Co., Eureka, Ill.
Lee Electric & Mfg. Co. ("Lemco"), 220 8th, San Francisco, Cal.
Lowenstein Radio Co. (Variable), 399 Bridge, Brooklyn, N. Y.
Magnus Electric Co., Inc. ("Magnus" Variable), 451 Greenwich, New York
Manhattan Electrical Supply Co., 17 Park pl, New York
Marshall Gerken Co. ("Thoroughbred"), 27 Ontario, Toledo, O.
Michigan Radio Corp., 21 Ottawa, Grand Rapids, Mich.
Montrose Mfg. Co., 1200 Bedford av, New York
Murdock Wm. J. Co. ("Murdock"), Everett av & Carter, Chelsea, Mass.
National Radio Co. (Variable), 100 Chambers, New York
National Radio Co., Marshall, Minn.
New Era Radio Sales Co. ("Universal"), Elmira, N. Y.
Pacent Electric Co., 150 Nassau, New York
Parkin Mfg. Co., San Rafael, Cal.
Pignolet Instrument Co., 114 Liberty, New York
Polak Green Mfg. Co., 10 Cook, Jersey City, N. J.
Precision Equipment Co., B. & O. R. R. & Blue Rock, N S, Cincinnati, O.
Radio Corp. of America, 64 Broad, New York
Radio Distributing Co. ("Radisco" Grid & Grid Leak), 4 W Park, Newark, N. J.
Radio Specialty Co. ("Rasco," Fixed & Variable), 96 Park pl, New York
Radio Tel. Shop, 175 Stuart, San Francisco, Cal.
Radio Testing Station (Grid), Binghamton, N. Y.
Remler Radio Mfg. Co., 248 1st, San Francisco, Cal.
Scheib Elec. Radio Co. ("Serco"), 6243 Station, Pittsburgh, Pa.
SCOVILL MFG. CO., Waterbury, Conn.
Ship Owners' Radio Service (Dirs.), 80 Washington, New York
Signal Elec. Mfg. Co. ("Signal," Variable), Menominee, Mich.
Somerville Radio Laboratories (Fixed), 43 Cornwell, Boston, Mass.
Stromberg Carlson Tel. & Mfg. Co., 1050 University av, Rochester, N. Y.
Stuckeman Bros. (Variable), 18 Ruth, Pittsburgh, Pa.
Supremus Radio Laboratories, West Norwood, N. J.
Thordarson Elec. Mfg. Co., 509 S Jefferson, Chicago, Ill.
Tresco (Variable), Davenport, Ia.
Waterbury Button Corp., 831 S Main, Waterbury, Conn.
See adv index at end of book
Westfield Machine Co. (Variable), Westfield, Mass.
Westinghouse Elec. & Mfg. Co., E Pittsburgh, Pa. *See adv index at end of book*
Wilcox Laboratories ("Wilcox"), 2208 E Michigan av, Lansing, Mich.
Wireless Equipment Co., 32 Austin, Newark, N. J.
Wireless Improvement Co., 66 York, Jersey City, N. J.
Wireless Shop (Variable), 1262 W 2d, Los Angeles, Cal.
Wireless Specialty Apparatus Co. ("Faradon"), 76 Atherton, Boston, Mass

3003b—Condensers (Radio Transmitting)

Adams Morgan Co., Upper Montclair, N. J.
Auth Electrical Specialty Co., 422 E 53d, New York
Cardwell Allen D. Mfg. Corp., 81 Prospect, Brooklyn, N. Y.
Clapp Eastham Co., 139 Main, Cambridge, Mass.
Corwin A. H. & Co., 8 W Park, New York
Freed-Eisemann Radio Corp., Sperry bldg, Brooklyn, N. Y.
General Wireless Corp., 25 W 45th, New York
Horne Mfg. Co., 243 Mercer, Jersey City, N. J.
Jefferson Elec. Mfg. Co. (Grid), 430 S Green, Chicago, Ill.
Kilbourne & Clark Mfg. Co. ("K. & C."), 101 Spokane, Seattle, Wash.
Pignolet Instrument Co., 114 Liberty, New York
Radio Corp. of America, 64 Broad, New York
Remler Radio Mfg. Co., 2480 1st, San Francisco, Cal.
Somerville Radio Laboratory (Fixed), 43 Cornwell, Boston, Mass.
Stromberg Carlson Tel. Mfg. Co., 1050 University av, Rochester, N. Y.
Standard Radio & Equipment Co. ("D. & K."), 477 S 10th, Newark, N. J.
Waterbury Button Corp., 831 S Main, Waterbury, Conn.
See adv index at end of book
Wireless Shop, 1262 W 2d, Los Angeles, Cal.
Wireless Specialty Apparatus Co., 76 Atherton, Boston, Mass.

3004—Condensers (Reflecting, For Dark-Field Illumination)

Leitz Ernest, 60 E 10th, New York

3004a— Condensers (Reflux)

Badger E. B. & Sons Co., 75A Pitts, Boston, Mass. *See adv index at end of book*
Bethlehem Fdy. & Machine Co., Bethlehem, Pa.
Buffalo Fdy. & Machine Co., 65 Winchester, Buffalo, N. Y.
See adv index at end of book
General Ceramics Co., 50 Church, New York
Knight Maurice A., Akron, Ohio
Lummus Walter E. Co., 171 Milk, Boston, Mass.
Thermal Syndicate Ltd., 58 Schenectady av, New York

3005— Condensers (Steam)

Allis Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Condenser & Engng. Corp., 120 B'way, New York
American Steam Pump Co. (Jet & Surface), Battle Creek, Mich.
American Well Works, The (Surface Water Type & Jet, Low Level Type, Steam Turbined & Driven Units), Aurora, Ill.
See adv index at end of book
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Baeuerle & Morris (Surface, Brass, Copper, Iron, Steel & Block Tin), 932 N Front, Phila., Pa.
Baker Ice Machine Co. (Surface), Omaha, Neb.
Bethlehem Shipbuilding Corporation, Ltd. (Auxiliary, Surface & Main), Bethlehem, Pa.
Bethlehem Shipbuilding Corp, Ltd., 20th & Michigan, San Francisco, Cal.
Blake Pump & Condenser Co. (Air & Steam Turbine, etc), Fitchburg, Mass.
Braun C. F. & Co. ("Braun"), Mission rd & Fremont av, Los Angeles, Cal.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Buffalo Steam Pump Co. (Jet, Surface, etc), Buffalo, N. Y.
Butler Mfg. Co. ("B. M. C." Flask), 1228 Eastern av, Kansas City, Mo.
Columbian Steel Tank Co., 1625 W 12th, Kansas City, Mo.
Davidson M. T. Co. (Surface & Jet), 154 Nassau, New York
Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
Dean Bros. Steam Pump Works (Jet & Surface), 327 W 10th, Indianapolis, Ind.
De Laval Steam Turbine Co., East Trenton, N. J.
See adv index at end of book
Devine J. P. Co., 1372 Clinton, Buffalo, N. Y.
Elliot Co., Dept. H, Jeanette, Pa.

(Continued on following page)

Condensers (Steam)—Continued

Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Flynn W. S., 76 Hudson, Jersey City, N. J.
Great Lakes Engineering Works (Twin Vertical Air Pump Condenser Combined, for Salt, Sugar & Chemical Works), Real Est. Exch. bldg.), Detroit, Mich.
Griscom-Russell Co. ("Goubert" Surface, 92 West, New York
See adv index at end of book
Hewes & Phillips Iron Works ("Venturi" Independent), 8 Orange, Newark, N. J.
Honolulu Iron Works Co., 233 Broadway, New York
Ingersoll-Rand Co. (Barometric), 11 Broadway, New York
See adv index at end of book

I-R CONDENSERS

Surface, Barometric and Jet

I-R Surface Condensers are of highly improved design and have many important features not found in other condensers of this type. The I-R Condensers have greatly reduced tube surface. Elimination of waste tubes is secured by arranging tubes in stages and by the use of a separate devaporizer or cooler.

In addition to Surface Condenser the company's line includes such types as the Barometric and Low Level Multi-Jet, together with Steam Jet Vacuum Pumps.

Ingersoll-Rand

11 Broadway, New York City

Jackson Byron Iron Works, Berkeley, Cal.
Joubert & Goslin Machine & Foundry Co., Birmingham, Ala.
Kellogg M. W. Co. ("Bulkley"), 90 West, New York *See adv index at end of book*
Kelby Mfg. Co., 4623 Lakeside av, Cleveland, O.
Lattner P. M. Mfg. Co., Cedar Rapids, Ia.
Leitz Ernest, 60 E 10th, New York
Main Iron Works, 16th & Daggett, San Francisco, Cal.
Manistee Iron Works Co. (Rotary Jet), Manistee, Mich.
Marshall Foundry Co., 28th & R. R., Pittsburgh, Pa.
National Foundry & Machine Co., Louisville, Ky.
National Steam Pump Co., Upper Sandusky, Ohio
Nordberg Mfg. Co. (Independent, Jet & Surface), Chicago & Oklahoma av, Milwaukee, Wis.
Phoenix Iron Wks. Co., Meadville, Pa.
Puget Sound Machinery Depot, 318 1st av, So Seattle, Wash.
Pulaski Foundry & Mfg. Corp., 2424 Euclid av, Cleveland, O.
See adv index at end of book
Pusey & Jones (Surface, Marine), H, Poplar, Wilmington, Del.
Quintard Iron Works Co. (Surface), 40 Wall, New York
Schutte & Koerting Co. ("Multi-Jet," 'Euctor"), 1251 N 12th, Phila., Pa.
See adv index at end of book



Multi-Jet Condensers maintain high vacuum without air pump. Simple; compact; reliable; no moving parts. *Catalog 5-A.*

SCHUTTE & KOERTING CO.
1251 North 12th Street
Philadelphia, Pa.

Scranton Pump Co. (Jet Condensers & Pumps), Scranton, Pa.
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book
Southwestern Condenser Co., 606 S Hill, Los Angeles, Cal.
See adv index at end of book
Southwestern Engineering Co., 606 S Hill, Los Angeles, Cal.
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Standard Water Systems Co. ("Tripure," Multicoil & Straight Tube Type), Hampton, N. J.
Stewart Heater Co., N Tonawanda, N. Y.
Triumph Ice Machine Co., Oakley, Cincinnati, O.
Union Steam Pump Co., Battle Creek, Mich.
VILTER MFG. CO., 1046 Clinton, Milwaukee, Wis. *See adv index at end of book*
Vogt Bros. Mfg. Co., Louisville, Ky.
Warren Steam Pump Co., Warren, Mass.
Westinghouse Electric & Mfg. Co. (Surface, Barometric & Jet), East Pittsburgh, Pa. *See adv index at end of book*
Wheeler C. H. Mfg. Co. (Surface & Jet), Dept. H, 18th & Lehigh, Phila., Pa.
Wheeler Condenser & Engrg. Co. ("Wheeler" Admiralty, Jet, "Wheeler" Volz Combined Condensers & Feed Water Heaters), West Carteret, N. J.
Whitlock Coil Pipe Co., Hartford, Conn.
Worthington Pump & Machy. Corp. (Water Works Type, Jet, Self-Cooling Cylindrical & Rectangular Surface, etc.), 115 Broadway, New York

3006—Condensers (Steam Turbine)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Condenser & Engng. Corp., 120 B'way, New York
Bethlehem Shipbuilding Corp., Ltd., Bethlehem, Pa.
WESTINGHOUSE ELECTRIC & MFG. CO. ("Westinghouse Leblanc"), East Pittsburgh, Pa.
See adv index at end of book
Worthington Pump & Machy. Corp., 115 Broadway, New York

Condensers (Surface)

See Condensers, Steam

3007— Condensers (Telephone)

American Elec. Co., 6401 S State, Chicago, Ill.
Andrae Julius & Sons Co., 362 Broadway, Milwaukee, Wis.
Automatic Elec. Co., 1001 W Van Buren, Chicago, Ill.
Central Tel. & Electric Co., 310 N 11th, St. Louis, Mo.
Conn. Telephone & Elec. Co., 70 Britnia, Meriden, Conn.
Electric Specialty Co. ("Mansbridge" Type), Cresco, Ia.
Esler Electric Mfg. Co., Marion, Ind.
Kellogg Switchboard & Supply Co., 1066 W Adams, Chicago, Ill.
Lafayette Electric & Mfg. Co., Lafayette, Ind.
Magnus Electric Co., Inc., 451 Greenwich, New York
Stromberg-Carlson Telephone Mfg. Co., **1050 University av, Rochester, N. Y.**

3008— Condensers (Tubular)

Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
Baeuerle & Morris, 932 N Front, Phila., Pa.
Griscom-Russell Co., 92 West, New York
See adv index at end of book
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Lummus Walter E. Co. (Tubular & Coil), 171 Milk, Boston, Mass.
Stokes F. J. Machine Co., 17th & Cambria, Phila., Pa.

3008a— Condensers (Tubular Ammonia)

Coatesville Boiler Works, 111 S 15th, Philadelphia, Pa.
Pulaski Foundry & Mfg. Corp., 2424 Euclid av, Cleveland, O.
See adv index at end of book

3008b—Condensers (Vacuum)

BUFFALO FOUNDRY & MACHINE CO., 65 Winchester, Buffalo, N. Y.
See adv index at end of book
Devine J. P. Co., 1372 Clinton, Buffalo, N. Y.
Dibert Bancroft & Ross Co. Ltd., Tulane & Hagan av, New Orleans, La.
Oat Joseph & Sons, 228 Quarry, Phila., Pa.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Stokes F. J. Machine Co., 6138 Tabor, Phila., Pa.

3009— Condensers (Vapor)

Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
Bethlehem Shipbuilding Corp. Ltd., Bethlehem, Pa.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Devine J. P. Co., 1372 Clinton, Buffalo, N. Y.
Dibert Bancroft & Ross Co. Ltd., Tulane & Hagan av, New Orleans, La.
Griscom-Russell Co., 92 West, New York
See adv index at end of book
Lummus Walter E. Co., 171 Milk, Boston, Mass.
Schutte & Koerting Co. ("Koerting"), 1251 N 12th, Phila., Pa.
See adv index at end of book
Southwestern Engineering Co., 606 S Hill, Los Angeles, Cal.
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Standard Water Systems Co. ("Tripure," Multicoil & Straight Tube Type), Hampton, N. J.

Condensing Apparatus (Stoneware)

See Stoneware, Chemical

3010—Condensing Plants (Complete)

Griscom-Russell Co., 92 West, New York
See adv index at end of book
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
Wheeler Condenser & Engrg. Co., West Carteret, N. J.

3011—Condensing Plants (Weiss Central)

Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book

3011a— *Condensite

BAKELITE CORP. (See Bakelite), 247 Park av, New York
See adv index at end of book

3012—Conductor Pipe & Eaves Trough Mfrs.

American Rolling Mill Co. ("American Ingot Iron"), Middletown, O.
American Steel Pipe & Tank Co., 608H S Main, Los Angeles, Cal.
Ames W. R. Co., 450 Irwin, San Francisco, Cal.
Badger Steel Roofing & Corrugating Co., La Crosse, Wis.
Berger Bros. Co. ("E-Z" Fit), 229 Arch, Phila., Pa.
Berger L D Co., 59 N 2d, Phila., Pa.
Berger Mfg. Co. (Steel), 1038 Belden av N E, Canton, O.
Bostwick Steel Lath Co., Niles, O.
Braden Mfg. Co., 14th & Vandalia R R, Terre Haute, Ind.
Brier Hill Steel Co., Youngstown, O.
Burton W. J. Co., Junction & Federal, Detroit, Mich.
Cambridge Roofing Co., Cambridge, O.
Canton Art Metal Co., 920 Market av S
Carter Sheet Metal Co., Omaha, Neb.
Casey-Hedges Co. ("Chattanoogan" Cast Iron), 25th & Chestnut, Chattanooga, Tenn.
Cedar Rapids Cornice Co., Cedar Rapids, Iowa
Clark-Smith Hardware Co., Peoria, Ill.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Conner Chas. H. & Co., Louisville, Ky.
Decatur Cornice & Roofing Co., New Decatur, Ala.
Delphos Mfg. Co., 1st & Pierce, Delphos Ohio
Dickelman Mfg. Co., Forest, O.
Dieckmann Ferdinand Co, 1182 Harrison av, Cincinnati, O.
Dominion Metal Products Co., Roanoke, Va.
Dowman-Dozier Mfg. Co., Atlanta, Ga.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
Eller Mfg. Co., 1200 Camden av, Canton, O.
Excelsior Steel Furnace Co., 118 S. Clinton, Chicago, Ill.
Feld Geo A. Co., 162 E 129th New York
Florida Metal Products Co., Jacksonville, Fla.
Friedley-Voshardt Co., 733 S. Halsted, Chicago, Ill.
Gedge Bros. Iron Roofing Co., Anderson, Ind.
Globe Iron Roofing & Corrugating Co., Newport, Ky.
Hammond Sheet Metal Mfg. Co., 119 Cass av, St. Louis, Mo.
Handy N. B. Co., Lynchburg, Va.
Holbrook Merrill & Stetson, San Francisco, Oakland and Los Angeles
Holzer R. G. (Estate of), Also Box Gutters), 317 Burgundy, New Orleans, La.
Hopson W. C. Co., Grand Rapids, Mich.
Howie Roofing Co., Detroit, Mich.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Hussey C. G. & Co. (Copper Only), 2850 2d av, Pittsburgh, Pa.
Hyndman Roofing Co., 318 E 2d, Cincinnati, O.
Kanneberg Roofing & Ceiling Co., Canton, Ohio
Klauer Mfg. Co., Dubuque, Ia.
La Crosse Steel Roofing & Corrugating Co., La Crosse, Wis.
Lamb & Ritchie Co., Cambridge, Mass.
Lupton's David Sons Co. ("Lupton"), Allegheny av & Tulip, Phila., Pa.
See adv at Shelving Steel
Lyman H. B. (Eaves Troughs Only), Southampton, Mass.
LYON, CONKLIN & CO., INC. ("Lyonore" Metal, "L. C. & Co." Steel), Race & McComas, Baltimore, Md.
Martin Metal Mfg. Co., Wichita, Kan.
Merchant & Evans Co. (Jobbers), Washington av & 21st, Phila., Pa.
Mertz John Mfg. Co., Sandusky, O.
Messenger & Parks Mfg. Co., Aurora, Ill.
Meurer Geo. C. Co., 245 Greenpoint, Brooklyn, N. Y.
Milwaukee Corrugating Co., Milwaukee, Wis.
Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, Ohio
See adv index at end of book
Newark Steel & Iron Works, 12 Mercer, Newark, N. J.

New England Steel Roofing Co., 274 Main, Worcester, Mass.
NEW JERSEY ZINC SALES COMPANY THE, 158 Front, New York
See adv index at end of book

Horse Head Rolled Zinc

Supplied to Fabricators

The New Jersey Zinc Sales Co.

New Orleans Roofing & Metal Co., ("Nola"), Cortez & Orleans, New Orleans, La.
New York Iron Roofing & Corrugating Co., 94 1st, Jersey City, N. J.
Newport Rolling Mill Co. (Galvanized Iron & Steel), Newport, Ky.
Nichols Wire & Sheet Co., 21st & Baltimore, Kansas City, Mo.
Niles Iron & Steel Roofing Co., Niles, O.
Norman W. F. Sheet Metal Mfg. Co., Nevada, Mo.
Obdyke Benj P., 47 N 8th, Phila., Pa.
Ohio Corrugating Co., Warren, O.
Ohio Metal & Mfg. Co., Monument & Taylor, Dayton, Ohio
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Osborn Co. J. M. & L. A., 1541 E 38th, Cleveland, O.
Penn Metal Co., 65A Franklin, Boston, Mass.
Pierce O. W. Co., Olean, N. Y.
Porter Iron Roofing & Corrugating Co., 418 Culvert, Cincinnati, O.
Pudrith A. F. Co., Fort E, Detroit, Mich.
Reeves Mfg. Co., Dover, O.
Republic Metalware Co., 100 Alabama, Buffalo, N. Y.
Robertson Bros. Mfg. Co., 5405 S Western blvd, Chicago, Ill.
St. John & Barquist, Des Moines, Ia.
Schoedinger F., 142 N. 3rd, Columbus, O.
Scott Roofing & Mfg. Co., 408 Culvert, Cincinnati, O.
Sheet Metal Mfg. Co. (The), Box 508, Youngstown, O.
Souther E. E. Iron Co., Klenlin & Hamburger, St. Louis, Mo.
Standard Sheet Metal Mfg. Co., Washington, Pa.
STEARNS A. T. LUMBER CO. (Wood), 100 Taylor, Boston, Mass.
See adv index at end of book
Throm Chas. F., Toledo, O.
Tiffin Art Metal Co., 20 Broad, Tiffin, O.
Valley Cornice & Slate Co., Ltd., Saginaw, Mich.
Wagner J. F. Sons Co., 1145 S 7th, Louisville, Ky.
Weyand Henry Co., Waterbury, Conn.
Wheeling Corrugating Co. ("Wheeling Corco Copper Steel"), Wheeling, W. Va.
Wheeling Metal & Mfg. Co., Wheeling, W. Va.
Yager Sheet Metal Co., 3501 Chestnut, Oakland, Cal.
York Corrugating Co., York, Pa.

3012a—Conductor (Sugar Cane)

Fulton Iron Works Co., 1259 Delaware av, St. Louis, Mo.
Honolulu Iron Works Co., 233 Broadway, New York
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

3013— Conductors (Armored)

Am. Metal Moulding Co., 145 N. J. R. R av, Newark, N. J.
Columbia Metal Hose Wks. ("Columbia") Thompson av & Manly, Long Island City, N. Y.
Crescent Insulated Wire & Cable Co., Trenton, N. J.
Delaware Hard Fibre Co. (Flexible Interior Hard Fibre), Wilmington, Del.
See adv index at end of book
Eastern Tube & Tool Co., Inc. ("Ettco"), 594 Johnson av, Brooklyn, N. Y.
See adv index at end of book
Federal Armored Cable Co. (Federal), 520 W 41st, New York
Garland Mfg. Co. (Steel), 1st National Bank bldg, Pittsburgh, Pa.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Gleason James & Co., 515 W Jackson blvd Chicago, Ill.
Inland Elec. Co., 16 S Wells, Chicago, Ill.
Marburg Brothers Inc. (Imported Aluminum), 90 West, New York
National Conduit & Cable Co., Hastingson-Hudson, N. Y.
National Metal Moulding Co., 1110 Fulton blvd, Pittsburgh, Pa.
Standard Underground Cable Co., 17th & Pike, Pittsburgh, Pa.
Thomas & Betts Co., 63 Vesey, New York
Trenton Elec. & Conduit Co., Trenton, N. J.
Triangle Conduit Co., 52 Columbia Heights, Brooklyn, N. Y.
Trumbull Elec. Mfg. Co., Woodford av, Plainville, Conn.
YOUNGSTOWN SHEET & TUBE CO ("Youngstown Realflex" Steel Flexible), Youngstown, O.

3014— Conduit (Aluminum)

Aluminum Company of America, 2301 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book

3015-16—Conduit Elbow Former

Crouse-Hinds Co., Syracuse, N. Y.
Sleeper & Hartley, Inc., Worcester, Mass.
See adv index at end of book

ARMORED CONDUCTORS AND FLEXIBLE STEEL CONDUITS

are produced at very high speeds by the Machines which we are offering to the trade.

SLEEPER & HARTLEY, Inc.
WORCESTER, MASS.

3017—Conduits (Flexible Metallic)

AMERICAN METAL HOSE CO., Waterbury, Conn.
Am. Metal Moulding Co. (Steel), 141 N. J R. R. av, Newark, N. J.
Arrow Flexible Conduit Co. Inc., 119 Bleecker, New York
Breeze Metal Hose & Mfg. Co., 250 South, Newark, N. J.
Columbia Metal Hose Wks. ("Columbia"), Thompson av & Manly, Long Island City, N. Y.
Eastern Tube & Tool Co., Inc. ("Ettco" & Non-Metallic), 594 Johnson av, Brooklyn, N. Y.
See adv index at end of book
Federal Armored Cable Co., 520 W 41st, New York
Franklin Railway Supply Co., Inc. ("McLaughlin," for Connecting Between Engine & Tender in Place of Rubber Hose), 17 E. 42nd, New York
Gleason James & Co., 515 W Jackson blvd, Chicago, Ill.
Nat. Enameling & Mfg. Co., Renshaw bldg, Pittsburgh, Pa.
National Metal Molding Co. ("Flexsteel") 1110 Fulton bldg, Pittsburgh, Pa.
Pennsylvania Flexible Metallic Tubing Co., Broad & Race, Phila., Pa.
Short Electrical Mfg. Co. ("Pliaduct" Non-Metallic & "Pliastue" Metallic). Dept. H, Penn Yan, N. Y.
Steel City Elec. Co., 1207 Columbus av, Pittsburgh, Pa.
Triangle Conduit Co. Inc. (Also Non-Metallic), 52 Columbia Heights, Brooklyn, N. Y.
Trumbull Elec. Mfg. Co., Woodford av, Plainville, Conn.
Tubular Woven Fabric Co. ("Duraduct") Pawtucket, R. I.

3018— Conduits (Interior)

Alphaduct Co. (Non-Metallic Flexible), 136 Cator av, Jersey City, N. J.
American Wiremold Co. ("Wiremold"), 252 Asylum, Hartford, Conn.
Ashland Electric Co., 1517 Haddon av, Chicago, Ill.
Brandywine Fibre Products Co. (Vul. Fibre Tubing), E. Wilmington, Del.
See adv index at end of book
Central Tube Co. ("Central"), First National Bk. bldg., Pittsburgh, Pa.
Clifton Mfg. Co. ("Clifton," Rigid Steel), 65 Brookside av, Jamaica Plain, Boston, Mass.
Continental Fibre Co. ("Bakelite-Dilecto" High Tension Cable), Newark, Del.
Delaware Hard Fibre Co. (Electric, Fibre), Wilmington, Del.
See adv index at end of book
Diamond State Fibre Co., Dept. 37, Bridgeport, Pa.
See adv index at end of book
Enameled Metals Co. ("Pittsburgh," Standard Enameled Iron), 61 Bridge, Pittsburgh, Pa.
Garland Mfg. Co. ("Lubricated," "Galvaduct," "Iron Armored," "Flexible Metallic," etc), 1st National Bank bldg, Pittsburgh, Pa.
Gwilliam Supply Co., 915 N Front, Phila., Pa.
Mark Mfg. Co. ("Zinkote," "Navalite," Enameled Iron Pipe), Evanston, Ill.
National Metal Molding Co. ("Sherarduct" & "Economy," Rigid Steel, also "Flextube" Flexible Non-Metallic, "Flexsteel," Flexible Metallic), 1110 Fulton bldg, Pittsburgh, Pa.
National Vulcanized Fibre Co., Beech & Maryland av, Wilmington, Del.
See adv index at end of book
Protectus Paint Co. ("Versies" Flexible & Waterproof), N Amer bldg, Phila., Pa.
Ric-will Co., Union Trust bldg, Cleveland, Ohio
Saylor Elec. & Mfg. Co. ("Saylorduct" Non-Metallic Flexible), 57 18th, Wheeling, W. Va.
Short Electrical Mfg. Corp., Penn Yan, N. Y.
Standard Fibre Co., Miller St., Somerville Mass.
Steelduct Co. ("Steelduct" Rigid Steel), Dollar Bank bldg., Youngstown, O.
Triangle Conduit Co., 52 Columbia Heights, Brooklyn, N. Y.
Tubular Woven Fabric Co. ("Duraduct," Flexible Woven), Pawtucket, R. I.
Wilmington Fibre Specialty Co. (Hard Fibre), Wilmington, Del.
YOUNGSTOWN SHEET & TUBE CO. ("Youngstown Buckeye" Rigid Steel, Enameled & Electro Galvanized), Youngstown, O.

3019—Conduits (Underground)

American Clay Products Co. (Vitrified), 175 5th av, New York
American Creosote Works (Creosoted for Wood), Southport, New Orleans, La.
American Sewer Pipe Co. (Vitrified), Akron, O.
American Vitrified Conduit Co., B'way & 23d, New York
American Wood Pipe Co., Tacoma, Wash.
Bannon P. Pipe Co., Louisville, Ky.
Brown Co. (Fibre), Portland, Me.
Brazil Hollow Brick & Tile Co. ("Brazil," Vitrified), Brazil, Ind.
Camp H. B. Co. ("Camp-Duct" Vitrified Clay), Fulton bldg, Pittsburgh, Pa.
Campfield Raggle Block Co. (Air Cells for Steam Pipes), Richmond, Ind.
Chattanooga Sewer Pipe Works, Dept H, Chattanooga, Tenn.
Chicago Stone Conduit Co., Addison & Chicago River, Chicago, Ill.
Clay Product Co. (Vitrified Fire-Clay), 133 W Washington, Chicago, Ill.
Continental Pipe Mfg. Co. (Machine Banded Wooden Insulated Wire Conduits), Tacoma, Wash.
Denny-Renton Clay & Coal Co. (Clay), Seattle, Wash.
Des Moines Clay Co., Des Moines, Iowa
Dickey W. S. Clay Mfg. Co. (Vitrified Salt Glazed Clay), N. Y. Life bldg, Kansas City, Mo.
Fibre Conduit Co. (Fibre), Orangeburg, N. Y.
Gest G. M., 237 B'way, New York
Grand Ledge Clay Product Co., Grand Ledge, Mich.
Johns-Manville Inc. (Sectional & Fibre), Madison av & 41st, New York
Keasbey & Mattison Co., Ambler, Pa.
Kenway P. N. (Steam Pipe), 248 Boylston, Boston, Mass.
McCleanahan Products Co., Inc. ("Mpco"), 112 Kearny, San Francisco, Cal.
Macomb Sewer Pipe Work (Vitrified Clay), Macomb, Ill.
Michigan Pipe Co. ("Bethell" Process of Creosoted Wood), Bay City, Mich.
NATIONAL FIREPROOFING CO., (McRoy Camp Electrical Clay), 1100 Fulton bldg, Pittsburgh, Pa.
See adv index at end of book
N. Y. State Sewer Pipe Co., Rochester N. Y.
Norfolk Creosoting Co. (Creosoted Wood), Norfolk, Va.
Ric-Will Co. (For Heating Pipes), Union Trust bldg, Cleveland, O.
Riter-Conley Co. (Riveted Steel Pipe Lines of Large Diameters, Particularly for Hydro-Electric Installation, etc.), Oliver bldg, Pittsburgh, Pa.
San Antonio Sewer Pipe Co., San Antonio Tex.
Shawmut Clay Mfg. Co., Shawmut, Pa.
Tidewater Crossarm & Conduit Co., 1885 Canal, Tacoma, Wash.
Winslow & Co. (Vitrified Salt-Glazed), Portland, Me.
Wyckoff A & Son, Elmira, N. Y.
Wyckoff Pipe & Creosoting Co. (Creosoted Wood), 552 5th av, New York

3020—Conduits (Wood, Creosoted)

AMERICAN CROSSARM & CONDUIT CO., (Manufacture Pine Conduit), Norfolk, Va.; Charlotte, N. C.; Atlanta, Ga.

3021-2— Cones (Automobile)

Acklin Stamping Co. (Clutch Cones), 1659 Dorr, Toledo, O.
Bingham Stamping & Tool Co., Post & Albion, Toledo, Ohio
See adv index at end of book
Bossert Corporation, The (Clutch Cones), cor. Linden & West av, Utica, N. Y.
Commercial Shearing & Stamping Co., Youngstown, Ohio
Perry-Fay Mfg. Co., Elyria, O.
Pettis W. W. Co., 416-417 First Nat'l Bank bldg, Cincinnati, Ohio
U. S. Automatic Co., Amherst, O
Youngstown Pressed Steel Co., Warren, O.
See adv index at end of book
Zeigler Mfg. Co., Alexandria, Ind.

Cones (Blacksmiths')

See Mandrels or Cones, Blacksmiths'

Cones (Friction)

See Pulleys, Cone

3023— Cones (Ground)

Paragon Electric Co. ("Paragon"), 37 W Van Buren, Chicago, Ill.

3023a—Cones (Ore Concentration)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book

3024— Cones (Roof)

Grinnell Co., Inc., 275 W Exchange, Providence, R. I.

3024a— Confetti

Andrews R. P. Paper Co., 727 13th, N W, Washington, D. C.
Carter H. W. Paper Co., 237 Chestnut, Springfield, Mass.
Dennison Mfg. Co., S Framingham, Boston, Mass.
Dobbins W. H. & Co., 48 N. Front, Philadelphia, Pa.
Garrett Sylvester S. & Co., 259 S. 3rd, Philadelphia, Pa.
Gottlieb A. & Son Co., 54 S. 2nd, Brooklyn, N. Y.
Kilborn Bros., 58 Orange, New Haven, Conn.
Miller T. G. & Sons Paper Co., Ithaca, N. Y.
National Paper Products Co. (also Serpentines), San Francisco, Cal.
See adv index at end of book
St. Louis Confetti Co., 3 Market, St. Louis, Mo.
Zellerbach Paper Co., 534 Battery, San Francisco, Cal.

3025—Connections (Closet, Brass, Etc.)

Acheson Mfg. Co. (Brass Only), Rankin, Pa. *See adv index at end of book*
American Pin Co. ("Ampinco"), Waterbury, Conn.
Banner Mfg. Co. (Urinal), 109 Lafayette, New York
Church C. F. Mfg. Co. (Brass "White Pyralin" Covered Offset & Elbow), Dept. H, Holyoke, Mass.
Frost Mfg. Co., Kenosha, Wis.
Little M. S. Mfg. Co., 151H New Park av, Hartford, Conn.
Sanitary Co. (Sink), Dept. H, Linfield, Pa.
Standard Brass Mfg. Co., Utica, N. Y.
Trenton Brass & Machine Co. (Offset & Elbow), Trenton, N. J.

3026—Connections (Closet, Rubber)

National India Rubber Co. (Lamp), Bristol, R. I.

3027— Connections (Hose)

American Foundry & Mfg. Co., 11th & Herbert, St. Louis, Mo.
Central Specialty Mfg. Co., 404 S Kolmar av, Chicago, Ill.
Cincinnati Rubber Mfg. Co., Norwood, Cincinnati, Ohio
See adv index at end of book
Dural Rubber Corp. ("Dural"), Flemington, N. J.
Goodall Rubber Co., 8th & Locust, Phila., Pa.
New York Brass Foundry Co., 403 Broome, New York
Osgood J. L. Tool Co. (Air Hose), Buffalo, N. Y.

3028— Connections (Siamese)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Bridgeman Bros. Co., 131 S 31st, Phila., Pa.
Greenberg's M. & Son (Boxes), Folsom & Alice, San Francisco, Cal.
Howell F. R. Brass Works, 122 N Franklin, Phila., Pa.
Larkin Mfg. Co., Dayton, O.
McNab & Harlin Mfg. Co., Paterson, N. J.
Milwaukee Brass Mfg. Co., 251 Lapham, Milwaukee, Wis.
Morse A. J. & Son (Fin.), 221 High, Boston, Mass.
Murray & Sorenson ("Unit"), 227 W 17th New York
Sherman H. B. Mfg. Co., Battle Creek, Mich.
Simmons John Co. (Hose), 110 Centre, New York *See adv index at end of book*
Standard Brass & Iron Works ("S B & I Works" Double, Threeway, etc), 1820 St. Paul av, Milwaukee, Wis.

3029—Connections (Slip Joint)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, Ohio
Union Brass & Metal Mfg. Co., Lawson & Mackerbin, St. Paul, Minn.
Wolverine Brass Works, Grand Rapids, Mich.

3030— Connections (Steamer)

Grinnell Co., Inc. (and Fire Department), 275 W Exchange, Providence, R. I.

3030a—Connections (Tire Pump)

Apex Electric Mfg. Co. ("Apex"), 1410 W 59th, Chicago, Ill.
Edelmann E. & Co. ("Leaknot"), 2332 Logan blvd, Chicago, Ill.
Gleason Peters Co., 384 Classon av, Brooklyn, N. Y.
Harvard Electric Co., 2608 Flournoy, Chicago, Ill.
Judd & Leland Mfg. Co., Clifton Springs, N. Y.
Romort Manfg. Co. ("Romort"), Dept. H, Main & Hubbard, Oakfield, Wis.
Schrader's A. Son Inc., 470 Vanderbilt av, Brooklyn, N. Y.
Stevens & Co. ("Acorn," "Keno"), 375 Bway, New York

3031—Connections (Underground Box)

Arrow Flexible Conduit Co., Ins. ("Arrow" Flexible), 210 Canal, New York
Phila. Electric Constr. Co., Heed bldg, Philadelphia, Pa.

3032— Connectors (Battery)

Andrae Julius & Sons Co., 362 B'way, Milwaukee, Wis.
Atlas Mfg. Co., 125 Water, New Haven, Conn.
Barcy-Nicholson Co. ("Bar-Nic"), 2801 W Fort, Detroit, Mich.
Breaznell J. H., Terminal. 26 Court, Brooklyn. N. Y.
Connecticut Electric Mfg. Co., Bridgeport, Conn.
Continental Elec. Co., 32 Warren, New York
Culver-Stearns Mfg. Co., 53 Grafton, Worcester, Mass.
Eby H. H. Mfg. Co., 40 S 7th, Phila., Pa.
Fahnestock Elec. Co., Meadow, L. I. City, N. Y.
Fitzgerald Mfg. Co. ("Perfection" Flexible, with Spring Lock Terminal), Torrington, Conn.
Gleason James & Co., 515 W Jackson blvd, Chicago, Ill.
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Lemke Electric Co. ("L B" Flat Copper), 509 Cedar, Milwaukee, Wis.
Lombardi Motor Car Co., Derby, Conn.
Manhattan Electrical Supply Co. ("Mesco," "Sta-there"), 17 Park pl, New York
Mich. Motor Spec. Co., 26 Dubois, Detroit, Mich.
National Carbon Co. ("Columbia," "Fahnestock," "Spring Clip," "Bull Dog," "Quick Action"), Thompson av & Orton, Long Island City, N. Y.
Oliver Electric & Mfg. Co., 2221 Lucas, St. Louis, Mo.
Salem Electrical Supply Co. (Flexible), Salem, Mass.
Sherman H. B. Mfg. Co., Battle Creek, Mich.
Stackpole Carbon Co. ("Mills," "Stackpole"), St. Marys, Pa.
Sterling Machine & Stamping Co., Wellington, Ohio
Stevens & Co. ("Securo"), 375 B'way, New York
Whitaker Battery & Supply Co. ("Whitaker"), 246 Charlotte, Kansas City, Mo.

3033—Connectors (Box & Cabinet)

Appleton Electric Co., Wellington & Paulina, Chicago, Ill.
Bonnell W. A. Co., 192 Chambers, New York
Eby H. H. Mfg. Co., 40 S 7th, Phila., Pa.
Fralick S. R. & Co. ("Kwikon"), 15 S Clinton, Chicago, Ill.
National Metal Molding Co. (Panel Box for Armored Conductors, Flexible Metallic Conduits & Armored Conductors), 1110 Fulton bldg, Pittsburgh, Pa.
Standard Electric Fittings Co., Stamford, Conn.
Thomas & Betts, 63 Vesey, New York

3034—*Connectors (Electric Train)

Westinghouse Electric & Mfg. Co. (Controllers), East Pittsburgh, Pa.
See adv index at end of book

3035—Connectors (Sleeve Wire)

Belden Mfg. Co., 2316 So. Western av, Chicago, Ill.
Bonnell W. A. Co., 192 Chambers, New York
Bryant Elec. Co., 1421 State, Bridgeport, Conn.
Bryant Zinc Co. ("Premier"), 600 Orleans, Chicago, Ill.
Chicago Die & Machine Works ("Max Stadt"), 415 N Carpenter, Chicago, Ill.
Columbia Metal Box Co., 226 E. 144th, New York
Continental Elec. Co., 32 Warren, New York
Cook Electrical Co., 2700 Southport, Chicago, Ill.
Eby H. H. Mfg. Co., 40 S 7th, Phila., Pa.
Fort Dearborn Mfg. Co., Sterling, Ill.
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Holtzer-Cabot Elec. Co., 125 Amory, Boston, Mass.
McIntire Chas. Co., 95 Oliver, Newark, N. J.
Metropolitan Device Corp., 1250 Atlantic av, Brooklyn, N. Y.
MORSE FRANK W. (Two & Four Screw Brass), 289 Congress, Boston, Mass.
See adv index at end of book
National Telephone Supply Co., 5100 Superior av, Cleveland, O.
Trumbull Electric Mfg. Co. (Four Screw Brass), Plainville, Conn.

3036— Connectors (Stage)

Chicago Electric Mfg. Co., 2817 S Halsted, Chicago, Ill.
MORSE FRANK W. ("Morse"), 289 Congress, Boston, Mass.
See adv index at end of book
Scranton Button Co. (Electroid, Confined Line), Scranton, Pa.
UNIVERSAL ELECTRIC STAGE LIGHTING CO. INC. ("Kliegl Bros."), 321 W 50th, New York
Waldman John J., 64 Murray, New York

3037—Connectors (Trailer, Car Lighting)

Dale Lighting Fixture Co., 107 W 13th, New York
Electric Service Supplies Co. ("Keystone"), 17th & Cambria, Phila., Pa.
Loeffelholz Co. ("Gibbs"), Milwaukee, Wis.
Novelty Elec. Co., 50 N 4th, Phila., Pa.
Westinghouse Electric & Mfg. Co. (Controllers), East Pittsburgh, Pa.
See adv index at end of book

3038—Connectors (Trolley Wire)

Columbia Machine Works & Malleable Iron Co. (2, 3 & 4 Way Brass & Copper, to Specifications), Atlantic av & Chestnut, Brooklyn, N. Y.
Electric Railway Equipment Co., Cincinnati, O.
Eureka Co., North East, Pa.
Ohio Brass Co., Mansfield, O.
Ridion Frank Co. ("Two-Way"), 251 A, Boston, Mass.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

3039— Connectors (Wire)

(Miscellaneous Wire Connectors)

Accesso Mfg. Co. ("Accesso"), 99H State, Boston, Mass.
American Pin Co., Waterbury, Conn.
Appleton Electric Co., Wellington & Paulina, Chicago, Ill.
Belden Mfg. Co., 2316 S Western av, Chicago, Ill.
Brady Electric Mfg. Co., New Britain, Conn.
Bridgeport Brass Co. (Plumber), Dept. H, E Main, Bridgeport, Conn.
Bryant Electric Co. (Miscellaneous), 1421 State, Bridgeport, Conn.
Bunnell J. H. & Co., 32 Park pl, New York
Cameron Appliance Co. (For electric light wire), Everett, Mass.
Chicago Automatic Conveyor Co., Old Colony bldg, Chicago, Ill.
Continental Elec. Co., 32 Warren, New York
Connecticut Elec. Mfg. Co., Bridgeport, Conn.
Cook Electric Co., 2700 Southport, Chicago, Ill.
Dossert & Co. (Solderles), 242 W 41st, New York
Drendell Electrical & Mfg. Co., 1345 Howard, San Francisco, Cal.
Eby H. H. Mfg. Co., 40 S 7th, Phila., Pa.
Electric Railway Equipment Co. (Cable & Trolley), 2960H Cormany av, Cincinnati, Ohio
Electrical Engineers Equipment Co. (T-Split), 711 Meridian, Chicago, Ill.
Fahnestock Electric Co. ("Fahnestock," Snapover for Drop Wires), Meadow, Long Island City, N. Y.
Fairmount Electric & Mfg. Co. ("H. W. W.," "Alligator"), 59th & Woodland av, Phila., Pa.
Fort Dearborn Mfg. Co. ("Zeno"), Sterling, Ill.
Frankel Connector Co., 177 Hudson, New York
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Irvington Mfg. Co. ("Irvington," "Red Devil"), Irvington, N. J.
Jordan Bros. ("Tap-On," Two-Wire for Branch Taps), 74 Beekman, New York
Joslyn Mfg. & Supply Co., Chamber of Commerce, Chicago, Ill.
Line Material Co., S Milwaukee, Wis.
McIntire C. Co., 95 Oliver, Newark, N. J.
Manhattan Electrical Supply Co., 17 Park pl, New York
MORSE FRANK W. ("Morse" Insulated Hard Rubber), 289 Congress, Boston, Mass. *See adv index at end of book*
Nagel-Chase Mfg. Co., 154 E Erie, Chicago, Ill.
Ostrander W. R. & Co., 371 B'way, New York
Phila. Electrical & Mfg. Co., 1226 N 31st, Phila., Pa.

Pringle Electrical Mfg. Co., 1906 N 6th, Phila., Pa.
Reliable Elec. Co., 3145 Carroll av, Chicago, Ill.
Ridlon Frank Co. ("Two-Way"), 251 A, Boston, Mass.
Sherman H. B. Mfg. Co. ("Sherman"), Battle Creek, Mich.
Sibley Pitman Electrical Corp. ("Climax"), 190 6th av, New York
Simpson Alex. B., 152 E 53d, New York
SMITH & HEMENWAY CO., INC. ("Never Turn," "Swedish" & "Red Devil"), 261 W B'way, New York, & 130 W Colt, Irvington, N. J.
See adv index at end of book
Stover S. H. & Co. ("Walger"), Chamber of Commerce bldg, Pittsburgh, Pa.
Tower-Binford Elec. & Mfg. Co., Richmond, Va.
Trumbull Electric Mfg. Co., Plainville, Conn.
Universal Electric Stage Lighting Co. Inc. (Kliegl Bros.), 321 W 50th, New York
Waldman John J., 64 Murray, New York

3040—Connectors (Wire Test)

Belden Mfg. Co., 2316 S Western av, Chicago, Ill.
Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Cameron Appliance Co. ("Metropolitan"), Everett, Mass.
Columbus Handle & Tool Co., Columbus, Ind.
Cook Electric Co., 2700 Southport, Chicago, Ill.
Cutter-Scott C., Owego, Ill.
Eby H. H. Mfg. Co., 40 S 7th, Phila., Pa.
Fahnestock Electric Co. ("Snap Over"), Meadow, Long Island City, N. Y.
Fairmount Electric & Mfg. Co. ("H. W. W.," "Alligator"), 59th & Woodland av, Phila., Pa.
Frankel Display Fixture Co., 177 Hudson, New York
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Hubbard & Co. ("Pierce"), 63rd & Butler, Pittsburgh, Pa.
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
MORSE FRANK W. ("Eureka"), 289 Congress, Boston, Mass.
See adv index at end of book
Mueller R. S. & Co. ("Universal" Insulated), 423 High av, S E, Cleveland, O.
Reliable Elec. Co., 3145 Carroll av, Chicago, Ill.
Williams Test Clamp Co., 1051 Power av, Cleveland, O.

3041— Contacts (Electrical)

Chase-Shawmut Co. (Fuse), Newburyport, Mass.
Columbia Machine Works & Malleable Iron Co. (Complete & Repair Parts Third Rail Shoe Beams & Cast Iron, Semi-Steel & Steel Third Rail Shoes), Atlantic av & Chestnut, Brooklyn, N. Y.
Eby H. H. Mfg. Co. (Contacting & Sparking), 40 S 7th, Phila., Pa.
ECONOMY FUSE & MFG. CO., Greenview av at Diversey pkway, Chicago, Ill.
See adv index at end of book
Fansteel Products Co. Inc., North Chicago, Ill.
Rich-Alloy Co., 13223 Euclid av, Cleveland, Ohio
Scaife Wm B. Sons Co., 1st Nat'l Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York *See adv index at end of book*
Stimpson Edwin B. Co. (For Flashlights, etc.), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
U. S. Pipe Bending Co., 315 Howard, San Francisco, Cal.
WILSON H. A. CO. ("Wilco" Platinum & Silver), 99 Chestnut, Newark, N. J.

3041a—*Containers for Liquids

UNION PAPER CO., 844 Washington, New York
See adv index at end of book

3042— Containers (Steel)

American Can Co. (Metal, Fibre for every purpose), 120 Broadway, New York
See adv index at end of book
Am. Tube & Stamping Co. (Pressed), Dept. H, 471 Hancock, Bridgeport, Conn.
Benjamin Electric Mfg. Co. ("Kelly Kontainer"), 120H S Sangamon, Chicago, Ill.
Blaw Knox Co. (Gas), Freeport rd., Hoboken, Pa.
Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Elyria Enameled Products Co. (Glass Enameled), Elyria, O.
Geuder, Paeschke & Frey Co. (Welded), 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Gray Peter & Sons, Inc. (Paper Drinking Cups), 286 Third, Cambridge, Mass.
Holan Metal Products Co. (Sheet Steel), N 40th & Clark av, Cleveland, Ohio
International Package Co., Inc. (Jobbers), 19 Moore, New York
Kress F. J. Co. (Corrugated), 2930 Liberty, Pittsburgh, Pa.
PRESSED STEEL TANK CO. (Seamless), 58th & Greenfield av, West Allis, Milwaukee, Wis.
See adv index at end of book
Scaife Wm. B. & Sons Co., 1st Natl. Bk. bldg, Pittsburgh, Pa.
See adv index at end of book
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.
Zacharius Edwin H., Reading, Pa.
Zeigler Mfg. Co., Alexandria, Ind.

3042a—*Contracting Machinists

American Die & Tool Co., Reading, Pa.
Austin & Smith Co., 164 Brewery, New Haven, Conn.
See adv index at end of book
Zacharius Edwin H., Reading, Pa.

3043—Contractors (Asphalt Paving)

See also Contractors, General

CALIFORNIA.

FRESNO—California Road & Street Improvement Co., Bank of Italy bldg
LOS ANGELES—Curtis, Geo. R., 2440 E. 26th
Fairchild Gilmore & Wilton Co., 2555 E. 9th
Griffith Co., L. A. Ry. bldg
Los Angeles Paving Co., Inc., 2900 Santa Fe av
Oswald Bros., 53th & South Park
Southwest Paving Co., Inc., Washington bldg
MODESTO—Standard Paving Co.
OAKLAND—Hutchinson Co., 1706 Broadway
Oakland Paving Co.
SAN FRANCISCO—Fay Improvement Co., Phelan bldg
Federal Paving Co., Standard Oil bldg
Hanrahan Co., Standard Oil bldg
Pacific States Const. Co., Call bldg
Pioneer Asphaltum & Artificial Stone Pavement Co., 634 Clay
Standard Industrial Corp. ("S. I. E." System), 33 New Montgomery

CONNECTICUT.

BRIDGEPORT—Burns Co., 480 Lindley
MERIDEN—Lane Construction Corp.
NEW HAVEN—City Point Concrete Co., 149 Greenwich av
Connecticut Concrete Co., 185 Church

GEORGIA.

MACON—Davis Construction Co., Ga. Casualty bldg.

ILLINOIS.

AURORA—Salfisberg J. E. & Co.
CHICAGO—Blome Sinek Co., 139 N. Clark
Fulton Asphalt Co., 53 W Jackson blvd
Parker-Washington Co., 68 W Wash.
Sackley Jas. A. Co., 4608 Bremont
Schillinger Construction Co., 2315 N Seeley av.
Simpson Construction Co. (Street, etc), 1113 S Hermitage av
Smith & Brown Co., 128 N La Salle
Standard Paving Co., 1101 S Cicero av
Wheeler W. W. & Co., 715 W Washington

INDIANA.

FORT WAYNE—Fort Wayne Roofing & Paving Co.
INDIANAPOLIS — Indiana Asphalt Paving Co., 2810 Columbus av
Smith Henry C. Roofing Co., 430 S. Meridian
LAFAYETTE—Western Construction Co. (Street, etc)

IOWA.

DUBUQUE—Key City Roofing Co.
IOWA CITY—Hunzinger J. H. & Co.
WATERLOO—Bryant Paving Co.

KENTUCKY.

LOUISVILLE—National Roofing & Supply Co., 124 W Main

LOUISIANA.

NEW ORLEANS—Jahncke Navigation Co. (Schillinger's), 814 Howard av.

MARYLAND.

BALTIMORE—American Paving & Contracting Co., Montebello av
Consolidated Engineering Co., Calvert bldg

MASSACHUSETTS.

BOSTON—Hind Thos. J., 49 Milk
Libby A. A. Sons Co., 10 Milk
Murtfeldt W. A. Co., 161 Devonshire
Simpson Bros. Corp., 77 Summer
Warren Bros. Co. (Street, etc.), 142 Berkeley
FALL RIVER—Archard Richard J., 60 Murray
Williston Chas. H., 171 Pleasant
LOWELL—Smith E. A. & A. T.
WEST MEDFORD—Bragdon Louis G.
WORCESTER—Carr Geo. W. Co., 518 Main

MICHIGAN.

DETROIT—Porath Ferd. & Son, Free Press bldg
Schillinger Bros.

MISSOURI.

KANSAS CITY—Parker-Washington Co., 2209 Penn av
ST. JOSEPH—Metropolitan Paving Co.
ST. LOUIS—Fehlig Construction Co., Theresa av & Hickory
Granite Bituminous Paving Co., Pierce bldg
Heman Construction Co., Title Guarantee Trust bldg
Parker-Washington Co., 6161 Maple av
Trinidad Asphalt Mfg. Co., Title Guarantee Trust bldg

NEBRASKA.

OMAHA—Grant John Paving Co., Paxton blk
Murphy Hugh, Bee bldg
National Roofing Co.

NEW HAMPSHIRE.

NASHUA—Osgood Construction Co.
Tardif F. X.

NEW JERSEY.

JERSEY CITY—Commonwealth Roofing Co., Grove c 19th
Uvalde Asphalt Paving Co., 2 Greene
NEWARK—Hetzel J. G. (Est. of), (Floors, etc.), 67 Main
Van Keuren & Son, 501 Passaic av.

NEW YORK.

BUFFALO—Burgard Henry P. Co. (Street, etc.), 1968 Fillmore av

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Mock Isidor, 838 Flushing av
Uvalde Asphalt Paving Co., Metropolitan av

Boroughs of Manhattan and Bronx.

NEW YORK—Asphalt Construction Co., 2197 Madison av
Barber Asphalt Paving Co. (Street, etc), Woolworth bldg
Bitoslag Pavnig Co., 90 West
Denton & Co., 7 E 42d.
Fitzgerald W. J., Grand Central Term.
Hastings Pavement Co., 25 Broad
Neuchatel Asphalte Co., Ltd., 79 Tompkins
Special Service Flooring Corp., 2009 Grand Central Terminal
Standard Bitulithic Co., 50 Church
Uvalde Asphalt Paving Co. (Street, etc), 1 B'way
Warner-Quinlan Asphalt Co., 79 Wall
Warren Bros. Co. (Street, etc.), 50 Church
Willite Road Construction Co., 51 Chambers

(End of New York City)

PEEKSKILL—Smith John Jr.
ROCHESTER—Oliver Horace T., 328 South av
Rochester Vulcanite Pavement Co.
YONKERS—Pawson J. E. & Co.

NORTH CAROLINA.

OXFORD—Lassiter Robert G. & Co.

OHIO.

AKRON—Columbus Asphalt Paving Co., Buckeye bldg
CINCINNATI—Kuhl Chas. Artificial Stone Co., 573 Reading rd.
Maescher Chas. V. & Co., 617 Hunt
CLEVELAND — Cleveland Trinidad Paving Co. (Street, etc), 3409 Trumbull
Roehl Bros., 7002 Denison
DAYTON—Dayton Asphalt Roofing & Paving Co.
DELAWARE—Lambert Bros. & Wirt
HAMILTON—Andrews Asphalt Paving Co.
TOLEDO—Schillinger Bros. Co., 215 City Park av

OREGON.

PORTLAND—Warren Construction Co., Yeon bldg

PENNSYLVANIA.

ERIE—Doyle J. & M.
Mayer Bros. Construction Co.
HARRISBURG—Central Construction & Supply Co.
LANCASTER—Fritchey J. U. & Son
Lancaster Cement Paving Co.
PHILADELPHIA—Barber Asphalt Paving Co. (Street, etc), Land Title bldg
Drehmann Paving & Constr. Co., 508 Glenwood
Ehret Roofing & Mfg. Co. (Interior Only), Park av & Cumberland
Mack Paving & Construction Co. (also Granite Block Pavers), 20th & Sedgley av
Schwartz Jacob, 5717 N 10th
PITTSBURGH—Booth & Flinn, Ltd., 1942 Forbes
Peabody George, Jr. (Acid Proof & Mastic Paving), Union Arcade bldg
Wadsworth Stone & Paving Co., Lambert & P R R

RHODE ISLAND.

PROVIDENCE — Narragansett Improvement Co. (Street, etc.), 104 Public
WESTERLY—Westerly Concrete Co.

(Continued on following page)

Contractors (Asphalt Paving)—Cont.

TENNESSEE.

CHATTANOOGA—Southern Paving Construction Co., Volunteer Life bldg
West Construction Co., Chamberlain bldg
MEMPHIS—Bartholomew Roofing Co., 164 S 2nd
Miller Chas. R. Co., 556H Suzette

TEXAS.

GALVESTON—Haden Wm. D.

UTAH.

OGDEN—Parry Jos. & Sons Co.

WASHINGTON.

SEATTLE—Puget Sound Bridge & Dredging Co., Central bldg
SPOKANE—Triangle Construction Co., Realty bldg

WISCONSIN.

MILWAUKEE — Winding & Gezelschap, Pabst bldg
OSHKOSH—Fluor Bros. Const. Co.
SHEBOYGAN—Ackerman Christ. & Sons

3044 — Contractors (Building & General)

This list does not include contractors in towns with a population of less than 5,000.
§Indicates Building Contractors.
•Indicates Railroad Contractors.
†Indicates Electric Railway Contractors.
Note information following names.
Names listed without information or symbols as above are General Contractors, so far as the publishers have been able to ascertain.
See also Concrete Steel Construction Reinforced; also Dock Builders.

ALABAMA.

BESSEMER—Coston W. L.
Southern Building Co.
BIRMINGHAM—Bostick P. E., 1st Natl. Bank bldg
§Bowdry H. N., Empire bldg
Day & Sachs, Farley bldg.
•Dunn Const. Co., Chamber of Commerce bldg.
Evans Bros. Const. Co., 2312 av F
McLeod R. A. Plastering Co., 1625 1st av
Morgan J. M. & Co., Woodward bldg
Rust Engng. Co., Inc., Woodward bldg
Smallman-Brice Construction Co., American Trust bldg
•Worthington Thos., 1st Nat. Bank bldg
CULLMAN—Schlosser W. A.
DOTHAN—Crawford H. T.
GADSDEN—Mayben & Freuchtel
HUNTSVILLE—§Baxter Bros.
Booth A. M.
Bost C. F.
§Hutchins Chas. E.
MOBILE—Chamblin G. A.
Conway R. F. Co. (Paving)
Hancock, Harbin & Hancock
Jett-Muths Constr. Co., Inc.
Owens Construction Co.
Walker & Thomas
Walsh Stevedoring & Contrg. Co.
MONTGOMERY—Blair Algernon
Chapman-Cross Constr. & Realty Co
Fleming S. K.
§Greeson Constr. Co.
Hugger Bros. Const. Co., 910H Bell bldg
Jamison & Hallowell (Paving, etc.)
§Jeffers Bros.
Monk T. A.
Nixon-Smith Construction Co.
Perry Bros.
WILSONVILLE—Taylor W. T. & Son

ARIZONA.

TUCSON—•Manning L. H. & Co.
Pacheo Contracting Co.

ARKANSAS.

FORT SMITH—Burke Construction Co.
Reddick J. H.
LAKE VILLAGE—Simms Albert G.
LITTLE ROCK—Big Rock Stone & Construction Co.
Bush Matt & Bros.
Central Supply Co.
Cook M. D. L. (Paving)
Miller Butterworth
Stewart-McGehee Construction Co.

CALIFORNIA.

ALAMEDA—Powell Bros.
Spence A. T.
BAKERSFIELD—Harris L. W.
Weitzel & Larson Contracting Co.
BERKELEY—Burnham Co. (Sewer)
Contra Costa Constuction Co. (Grading, etc.)
Marshall J. A.
Pinkerton Jas. A.
Schmidt W. J. & E.
Sorenson Walter
Spring Construction Co.
BLYTHE—Christian Hy L.
CHICO—Chico Contracting Co.
Polk T. H. & M. C.
EL MONTE—§Thurman J. C.
DALY CITY—Flaherty W. N. (Cement)
EUREKA—Elsemore & Jacobs
Englehart Thos.
Mercer-Fraser Co.
FALL BROOK—Graffin S. H.
FILLMORE—Hastings & Yeakel
FRESNO—Adams G. A. (Brick), Mason bldg
California Road & Street Improvement Co., Bank of Italy bldg
Felchin Co., Bank of Italy bldg
Felchlin R. F. Co., T. W. Patterson bldg
Fisher & McNulty, Mattie bldg
Frederickson & Shannon, Cory bldg
Fresno Building Corp., 3503 Platt av
Isabell Constr. Co., 2212 F
Jennings W. F., Matter bldg
Martin Construction Co., Brix bldg
Ochs W. J., 405 Clark
Riggins Emmett
Stone F. J., Mason bldg
Swartz & Ryland, Rowell bldg
Trewhitt & Shields Co.
GUSTINE—Kruger Ray
HANFORD—Brown Frank J.
HOLLYWOOD—Fossler E.
Meline Frank L.
KINGSBURG—Johnson Antone
LONG BEACH—§Burgin W. Jay
McGrew C. T.
LOS ANGELES—Albright C., 5910 Hollywood
Armstrong Leslie R., Hollingsworth bldg
Atkinson J. F., Story bldg
Austin Co. of Cal., Pacific Electric bldg
Barrett & Hilp, Builders' Exchange
Bavin & Burch Co., 173 E. Jefferson
Bean Clarence, 5th
Benson Geo. S. & Sons, 257 S. Spring
Bent Bros. (Cement), 1714 Eagle
Bradley K. R. Const. Co., 1925 E. 16th
Builders' Finance Assn., Laughlin bldg
Clinton Construction Co., 639 S Spring
Condley Darrell Co., Marsh-Strong bldg
Crook J. A., Exchange bldg
Crowell Weymouth Co., 2104 E 15th
Curtis Geo. R. (Paving), 2440 E. 26th
Davidson Const. Co., 1445 E 16th
De Luxe Bldg. Co., Union League bldg
§Edwards & Wildey Co., Black bldg
English E. C., Citizens' National Bank bldg
Fairchild, Gilmore & Wilton Co., 2555 E. 9th
Federal Drilling Co. (Rotary Oil Well Drilling), 2118 E. 7th
Fellows C. A., Central bldg
Gay Engineering Corp., 2650 Santa Fe av
§Gilbert V. P., Citizens' National Bank bldg
§Goldwaite C. D., Marsh-Strong bldg
Griffith Co., L. A. Ry. bldg
§Hall J. F. Martin Co., Douglas bldg
Hanson August, 7509 Sunset blvd
Haupt Const. Co., Merritt bldg
Heitman Const. Co., Merritt bldg
§Houghton & Anderson, 143 Rose
Hudson C. H., Marsh Strong bldg
Jacobs Const. Co., H. W. Hellman bldg
Johnson Fredk., H. W. Hellman bldg
Kimball E. J. Co., Inc., 1860H E 15th
Kubach C. J. & Co., 2149 E. 37th
Lange & Berstrom, Dept. H, Washington bldg.
Larkins Wm. A., Title Insurance bldg
Leaver P. J. & Co., 1670 E. 20th
Ledbetter W. M. & Co., Pacific Elec. bldg
§Lepper & Laisy, Johnson bldg
§Lilly Fletcher Co., 301 S. Western
Los Angeles Bldg. & Constrg. Co., Marsh-Strong bldg
Los Angeles Paving Co., Inc., 2900 Santa Fe av
Lowe Earl E. Co., 2041 E. 38th
McDonald James Ellis Co., 667 Mateo
McNeil J. V., H. W. Hellman bldg
Macdonald & Kahn, Loew's State bldg
Marvin & Marvin, 4323 Mosher
Maxon & Co. (Grading), 745 Lyon
May & Grimwood, Inc., Hass bldg
Mebins-Jones Co., Rivers bldg
Mercereau Bridge & Const. Co., 313 N av
Metzger J. S. & Son, 559 Mission rd
§Millsap Robt. E., Marsh-Strong bldg
§Milwaukee Building Co., Wright & Callender bldg
Morrow & Baer, 4675 Hollywood blvd
§Nance Construction Co., 846 Linden
Oswald Bros., 58th & South Park
Pacific Coast Concrete Co., Mutual bldg
Perry W. A., San Fernando bldg
Powell C. L., American Bank bldg
§Pozzo Const. Co., 421 Macy
Rhodes J. F., Central bldg
Richardson Bldg. & Engng. Co., Story bldg
Scofield Tngng. Constr. Co., Pacific Finance bldg
Sharp & Fellows Contrg. Co. (R. R. & General), Central bldg
Shattuck Construction Co., Marsh-Strong bldg
•Sherer Robert & Co., (& Grading) Pacific Electric bldg
Simpson John & Co., 701 Antonio
Somers F. L., 2650 Santa Fe
Southwest Paving Co., Inc., Washington bldg
Standard American Dredging Co., Central bldg
§Stansbury Chas. V. H. W., Hellman bldg
Stanton-Reed-Hilbard, Metropolitan bldg
Stout & Danforth, Higgins bldg
Tryon & Brain, Tajo bldg
Wayne Chas. D., 605 S. Western
§Weaver C. B., Wright & Collender bldg
§Williard Brent Co., Inc., 254 E. 27th
Winter Constr. Co., Los Angeles Ry. bldg
Wright Preston S. & Co., 3981 W. 6th
§Wurster Const. Co., Wholesale Term.
Yard & Hichborn, 215 W 6th
Yarnell B. F., 227 S Union av
Ziegler W. R., 125 S. Vermont
MADERA—Brown & Stafford
MENLO PARK—Weedon Bros.
MODESTO—Standard Paving Co.
Ulrich Geo. J.
MONROVIA—Davisson R R Contracting Co.
MONTEREY—Ruthven S., 122 Pearl
NAPA—Errington Geo. E.
OAKLAND—American Construction Co., 1422 14th av
Ariss-Knapp Co. Inc. (Grading & Excavating), 961 41st
Bates & Borland (General), Oakland Bank bldg
California Refrigerating Co. (Markets, Packing & Slaughter Houses), 2615 Short
Cross Chas. W. (Street)
Dolan Wrecking Co.
Goodmundson A. K. (Roofing & Flooring), 2140 San Pablo av
Heafey John
Heafey Moore & McNair, 2030 High
Hutchinson Co. (Paving, etc), 1706 Broadway
Koppernd A. H.
Littlefield R. W.
Municipal Improvement Co.
Nelson & Forsyth
Pioneer Wrecking & Const. Co.
Price Bros.
Schnebly & Hostraswer
Sommarstrom Bros.
Stone E. B. & A. L. Co.
Veitch W. T. & Bro.
Warren Const. Co., Bacon bldg
PALO ALTO—Hettinger E. A.
PASADENA—§Crowell & Seward
Crowell Wm. C.
Foss Designing & Building Co.
Hall Peter
PITTSBURG—§MacQuiddy D. H.
REDLANDS—Montigel F. & Sons (Cement)
REDWOOD CITY—Thompson W. W., Box 428
RICHMOND—McMaster C. W.
Page L. L.
REEDLEY—Ball & Maslach
RIVERSIDE—Concrete Pipe & Constr. Co.
Cresmer Mfg. Co., Inc., 170 E. 8th
Martin Karl & Co., 600 W. 7th
Shea R. T. & Co.
SACRAMENTO—Book E. W.
Byrne & Yost, 2512 N
Herndon & Finnigan, 1814 17th
Jenkins & Elton, 3560 Y
Keating Wm. C.
McDonald D., 1118 G
McGillivray Const. Co.
McKay Geo. W.
McKenzie M. F., 1126 T
Morrill J. M. E.
§Murcell William
Norris A. W., People's Bank bldg
Powell Robert & Co.
Siller Bros.
§Smith R. M.
Teichert A. & Son, 1846 37th
Vannar Chas., 2022 M
SALINAS—Hare Low G.
SAN DIEGO—Engerbretsen John (Street Paving, Excavating, etc.)
Fairchild-Gilmore-Wilton Co. (Paving)
Hampton W. E. Co.
Holland Construction Co.
Hyde C. L. Const. Co.
Lange & Bergstrom, Security bldg
Roberts John C.
San Diego Const. Co.
San Diego Marine Constr. Co.
Wurster Const. Co.
SAN FRANCISCO—§Allen C. J., Builders' Exchange (Brick)
Anderson & Ringrose, 320 Market
Arnold & Mahey, 121 5th
Atlantic Gulf & Pacific Co. of Manila, H Call bldg.
Bates, Borland & Ayer (Grading), Crocker bldg
•Bechtel W. A., 625 Market
Behm J. & Co., 141 Oak
Belser P. A., 625 Market
Bender J. W. Roofing & Paving Co., Monadnock block (Asphalt Paving)
§Biller John., 460 Montgomery
Blanchard, Crocker & Howell, 58 2nd
Bogart J. S., Mills bldg
Born S. A. Bldg. Co., 37th & Shore View avs
Bos & O'Brien, Hearst bldg
Bovyer & Sons, 2407 California
Boxton Geo. W. & Son, Hearst bldg
Bradley Peter, 180 Jessie
Braunton Harold, 180 Jessie
Brennan J. E., 180 Jessie
Burr P. L., 549 Market
Cahill Bros., 1110 Sutter

Cameron & Disston, Hearst bldg
Campbell John F., 2440 16th
Cassaretto John (Grading), 345 Berry
Chadwick & Sykes, Crocker bldg
Chisholm R. A., 180 Jessie
Church D. O., 68 Post
City Construction Co. (Street), H Call bldg.
Clinton Construction Co., 923 Folsom
Coast Construction Co., H Crocker bldg.
Cobby & Owsley H., 260 Tehama
Coburn Chas., 180 Jessie
§Coburn Ira W., 180 Jessie
Cochrane-Boehm Co., Inc., Call bldg
Cole Percy J., 110 Jessie
Collman & Speidel Contr. (Bldg, & Genl.), Monadnock bldg
Commary W. T., Crocker bldg.
Construction Co. of North America (General), Mills bldg.
Cox Bros., 5th av & Lincoln way
Daniel Contr. Co., 503 Market
Del Favero & Rosari, 110 Jessie
Demattei L. & Co., 8 Avery
Denivelle Paul E., 520 7th av
Diamond Drilling Co., 768 Mission
Diestel John, 235 Montgomery
Dinwiddie Constr. Co., Croker bldg
Dowling J. F. & Co., Russ bldg
Downey John (Masonry), 260 Natoma
Drake H. E., 180 Jessie
Dreyfus Bros., 324 California
Duebel Chas. & Co., 316 1st
Duncan Wm. C. & Co., Sharon bldg
Duncanson-Harrelson Co., Chronicle bldg
Eaton & Smith, 715 Ocean
Elam Thos. & Son, 180 Jessie
Erickson & Petterson Grier Co., Monadnock bldg.
Etherton E. E. Co., Monadnock bldg
Fahlen W. & C., 584 California
Farquharson D. B., 1760 Ellis
Farrell & Reed, 185 Stevenson
Fay Improvement Co., Phelan bldg
Federal Paving Co., Standard Oil bldg
Fee Grant, 2440 16th
Fennell James S., 180 Jessie
§Fennila M. A., 9 Douglas (Brick)
Ferguson & Son, 1739 Union
Fisher M., 687 Mission
Floodberg Chas., Monadnock bldg
Foundation Co., 58 Sutter
Franks F. C. (Dredging), Phelan bldg
Franz Val. & Son, 180 Jessie
Frasier & Frasier, 180 Jessie
Gallagher E. J., Crocker bldg
Gartland P. J., 1396 16th
Gervais Henry, 1727 Mission
Gest G. M., 503 Market
Gilchrist James, 233 Stevenson
Gilson J. E., 180 Jessie
Glaze Robert, Humboldt Bk bldg
Gompertz Chas. W., 503 Market
§Grace & Bernieri, Claus Spreckels bldg
Gutlehen Bros., New Call bldg
Hanrahan Co., Standard Oil bldg
Hansbrough-Johnston Co., Monadnock bldg
Hansen F. L., 200 Polk
Harney Jos. G. (Street), Pacific bldg
Hayes Oser Co., Call bldg
Healy-Tibbitts Const. Co. (Excavating, Fireproof Construction, etc), Main & Market
Henderson W. D., Monadnock bldg
Henning Wm. H., Hearst bldg
Hjul Jas. H., 57 Post
Hock Chas., 180 Jessie
Hogberg & Ludwig, 180 Jessie
Holland J. P., 540 Brannon
Holt O. C., 110 Jessie
Houghton Constr. Co., 544 Market
Houghton Shirley, Phelon bldg
Hoyt H. P. Co., Monadnock bldg
*Hyde, Harjes & Co. (Bridges, etc), 110 Market
International Diamond Drill Contng. Co., Hobart bldg
Jensen G. P. W., 320 Market
Johnson Joel, 110 Jessie
Klyce, H. A., 72H New Montgomery
Knowles & Mathewson, Call bldg
Koenig Chas. J. U., 110 Jessie
Kraner W. A. (Dams & Irrigation Projects), Balboa bldg
Kronnick Bros., 1659 O'Farrell
Lange & Bergstrom, Sharon bldg
Larsen Chris, 110 Jessie
Larsen-Siegrist, 703 Market
Leiter E. T. & Sons, Call bldg
Leonard J. J., Phelan bldg
Lindgren Co., Monadnock bldg
Linscott Drilling Co., Balboa bldg
Lynch Hubert T., 180 Jessie
McClenahan T. W. & Co., Call bldg
McGinn G. W. & Co. (Sewer, etc.), Phelan bldg
McHugh Owen (Excavating & Grading), Russ bldg
McKenzie W., 734 Washington
McLaughlin J. L., 244 Kearney
McLean Neil A., Chronicle bldg
§McLeran R. & Co., Hearst bldg.
McSheehy Bros., 73 Langdon
Macdonald & Kahn, Rialto bldg
Mahony Bros., Flood bldg.
Malloch J. S., 110 Jessie
Malott & Peterson (Roofing & Flooring), 2412 Harrison
Marcussen Marcus, Am. National Bk bldg.
*Marsh Bros. & Gardenier, Monadnock bldg
Martin Wm., 110 Jessie
Marton John, Balboa bldg
Masow & Morrison, Monadnock bldg
Mealey & Collins, 180 Jessie
Merchant C. T., 180 Jessie
Moller R. W., Call bldg
Monk John, Sharon bldg
Monson Bros., 1907 Bryant
Moore & Watson, 110 Jessie
Moores-Bode Gravel Co., Tara & Geneva
Moran Improvement Co., Monad bldg
Mortenson Construction Co., 19th & Indiana
Morton John, Balboa bldg
Mulcahy Bros., 180 Jessie
Nelson & Bauer, Fulton & Gough
Newsom Wm. A., Sharon bldg
Nichols H. D., 1381 Stevenson
Nimmo Geo., 634 Clay
Nugent Robinson, 2165 Market
*O'Brien Jas. H. (Street), Hearst bldg
O'Day Daniel Co. (Grading), 180 Jessie
O'Neill Daniel, 273 Minna
Pacific Const. Co., 16 California
Pacific Fence Const. Co., 245 Market
Pacific Pumping Co., 350 Battery
Pacific States Const. Co., Call bldg
Palmer P. A. (Contr Bldg & General), Monadnock bldg.
Palmer & McBryde, Hooker & Lent bldg
Parker K. E. Co., 519 California
Pasqualetti Joseph, Humboldt Bk. bldg
Penny Isaac, Phelan bldg
Petersen H. L., 735 Treat
Petterson & Persson, 62 Post
Price Thomas H., 201 Sansome
Rainey W. A., 180 Jessie
Raisch A. J., 46 Kearney
Rednall W. W., 110 Jessie
Reeder A. J., 110 Jessie
Ringrose R. & Son, 320 Market
Ritchie F. R. & Co., Chronicle bldg
Robinson & Gillespie, 1051 Sutter
***Rolandi F., 550 Montgomery**
Ruegg Bros., Pacific bldg
Sampson J. S. Co., Monadnock bldg
San Francisco Bridge Co., Nevada Bk bldg
Savage M. J., Flatiron bldg
Shattuck Construction Co., 525 Market
Sly L. H., Stanford Court Apts
Smith, Grant & Co., Balboa bldg
Smith J. H., Monadnock bldg.
Smith Rice Co. (Riggers), 148 Spear
Sommer I. M. & Co., Balboa bldg.
Spalding Const. Co., Rialto bldg
Spargo John, 240 Montgomery
Standard Industrial Engng. Co. ("S. I. E." System), Sharon bldg
State Improvement Co., Crocker bldg
§Stock Lester H., 110 Jessie
Stockholm Chas. & Son, Monad bldg
Stockholm & Allyn, Monadnock bldg
Storrie R. C. & Co. (Sewer), Crocker bldg
Taylor & Jackson, Call bldg
Taylor & Goericke, Sharon bldg
Thebo, Starr & Anderton (Hydro Electric & Irrigation Projects), Sharon bldg
Thomson Bridge Co. (Bridge, Sewer & Public), 103 Main
Thorpe J. T. & Son, 525 Market (Brick)
Threlkeld M. C., 65 Market
Thurston E. T., 57 Post
Tibbets Pacific Co., 16 California
Troback B. A., 180 Jessie
Trost Robert, 26th & Howard
Trounson J., 121 5th
Tucker E. W. & Co., 347 Fremont
Twohy Bros. Co., Hobart bldg.
Union Construction Co., H Balfour bldg.
Utah Const. Co., Phelan bldg
Vaughan H. G., 68 Post
Vensano H. C. & Co., 58 Sutter
Vitrolite Const. Co., 1490 Mission
Wagner Geo., 251 Kearney
Walker P. J. Co., Sharon bldg
Watson Daniel, 39 St. Ann
§Westerlund J. V., 320 Market
Western Motor Draying Co., 373 Noe
Western States Const. Co., Hearst bldg
White & Gloor, Monadnock bldg
Wilhelm A. H., 180 Jessie
Williams Howard S., Hearst bldg
Williams J. G. Const. Co., 519 California
Wold C. L. Co., 185 Stevenson
§Wright Chas., 517 2d

SAN JOSE—Donn Mfg. Co., 920 S. 1st
Wallace & Bush (Engng.)
SANTA BARBARA—Johnson Magnus
SANTA MARIA—Doane G. M. & Sons
SELMA—Jourdan I. (Cement)
STOCKTON—Clark & Henery Construction Co.
Davis-Heller-Pierce Co., Delta bldg
Johnson J. E., S. S. & L. B. bldg
Shutes & Zinck, 207 Wilhoit bldg
VISALIA—Valley Paving & Const. Co.
WATSONVILLE—Granite Constr. Co.

COLORADO.

BOULDER—Lakeside Construction Co., 7 National State Bank bldg
DENVER—Denver Wrecking & Cons. Co., 1000 S. Broadway
§Lambe C. S. & Co. (Engineers), 1731 Stout
Roberts J. F. & Son Const. Co., 22nd & Glencoe
PUEBLO—Anderson Hamill Construction Co.
TRINIDAD—Crouch Lumber & Const. Co.

CONNECTICUT.

ANSONIA—§Alcott H. & Co., 274 Walker av
§Barnes Wm. A., 55 Franklin
Bengstom H. G.
§Davidson John J., 273 Wakelee av
Hall Richard J. (Mason), 7 Lester
BERLIN—Berlin Construction Co.
BETHEL—§Higley W. C.
§Senior A. H.
BRANFORD—Rice M. P.
Sliney John T.
§Harrington C. W. Co.
BRIDGEPORT—Bishop J. W. Co., 945 Main
Blycher August W., 3128 Fairfield av
Bridgeport Sewer Const. Co., 165 Lindley
§Burns Co., 480 Lindley
§Casey & Hurley, 120 Pequonnock
Chatlos William F., 1640 Boston av
Cocozza Louis H., 84 Charion
§D'Agostino Jos. Co., 1834 Main.
Greenwood S. J., 1807 Park av
§Hubbell S. W. Bldg Co., 589 Knowlton
Iron Ledge Co., 320 North av
Jackson & Green, 500 Park
Johnson Edwin A.
§McCarthy George T., 943 Ironistan av
McCarthy Patrick (Mason)
§Marsh Bros. Co., 50 Buckingham
Martin William & Son, 164 State
Milio Pellegrino & Son, 85 Steuben
Monico Alexander (Mason)
Nooman Michael (Mason)
§Nording F. George, 1403 Boston av
§O'Brien Timothy & Son, 260 Ironistan av
Pardy T. J. Const. Co., 1481 Seaview av
Pierce Mfg. Co. (Sewers, etc.), 786 Housatonic av
Power M. J., 78 Elm
Schnee & Schnee, 1115 Main
§Sheehan John R., 1241 Main
Sillman & Godfrey Co., 1119 Broad (Paving)
§Smith W. A. & Son, 188 Cannon
Stewart Thos.
Wolf Concrete Constr. Co., 290 Palisade av (Paving)
Zitnay Andrew, 1615 Boston av
BRISTOL—§Allaire P.
Vacca Cosmo (Concrete)
COSCOB—§Peters & Probst
DANBURY—§Blackman W. B.
§Defina Rocco U.
Larson Nils
§Olmstead Fernando C.
Sturgess Frank M.
§Sunderlind Wm.
§Sweeney Luke F.
DANIELSON—Davis Frank A.
DEEP RIVER—Moore Harry A.
DERBY—§Durrschmidt Max A.
§Hession Bros.
§Hotchkiss William S.
Spahr Edw. C., 44 Seymour av
GLENBROOK—Raymond Everett
GREENWICH—§Anyan Wm. S.
§Blatch M. S., Inc., 187 Greenwich av
Christiano Joseph
Cumiskey John H.
Egan Thos. J.
Locke John
Rainey Peter J.
Wanamaker Geo. E.
GROTON—Park Elbert O.
HARTFORD—Ahern & Welch Co., 721 Main
Andrus Chas. B. & Son
Balf Edw. Co. (Excavating, etc.), R 174 Seymore
Barrett Robert W., 34 Harrison
Belden E. S. & Sons, 217 Laurel
§Bent R. G. & Co., 904 Main
Bryne A. W. & Sons
Bungalow Construction Co.
§Caulkins W. E. & Son, 327 Trumbull
Connor & Poriss, Inc.
Curtiss & Dean, 721 Main
Dall Bowers Inc. (Paving), 29 Lafayette
Fox T. R. & Son, Goodwin & Burnside
Garrity Thos. F. (Mason)
Grozier Jas. H. Co.
Hanson O. L.
Hills Alfred L.
Jones Richard F., 36 Pearl
Juster Harry
§Lawrence & Coe Construction Co., 372 Trumbull
§McIntiry & Ahern, 50 John
Miskill Edw. J., 296 Church
§Newton Theo. & Co., 183 Ann
Newton Thos. S. (Mason)
O'Brien Denis & Sons Co., 118 Asylum
O'Loughlin James, 101½ Hudson
O'Neil Wm. F., 801 Asylum
§Poriss S. C. Co., 104 Asylum
Porteus Walker Co.
Prescott F. G. (Mason)
§Purves Adam, 15 Ashton
Sexton W. J. (Concrete)
§Scoville Wm. H., 720 Main
Squires Walter L.
Stenson Oliver E.
Thompson Geo. (Mason)
§Tryan Andrew H.
Waterman Harlan P.
Wise & Upson, 36 Pearl
HAZARDVILLE—Bridges Amos D. Sons
IVORYTON—Pieretti Bros. (Concrete)
JEWETT CITY—Gilbert Fred H.
LITCHFIELD—Fabbri Frank
Switzer Geo. J.
MADISON—Field Geo. C.
MERIDEN—Kearney Thomas (Road)
Lane Construction Corp. (Macadam Construction, etc.)

(Continued on following page)

Contractors (Building & General)—Continued

CONNECTICUT—MERIDEN—Continued
Lines H. Wales Co.
Mezzanetti Cecisare (Mason)
§Miller Lewis A.
Suzio Leonardo Const. Co. (Roads)
York Hill Trap Rock Quarry Co. (Roads, Bridges, etc.)
MIDDLETOWN—§Annino Jos. S.
Arrigoni F. & Bro.
§Baldwin Linus
Brazos A. & Sons
Donahoe Bros. (Excavating, Grading, etc)
§McKenzie Donald
Mazzotta Salvatore (Mason)
§Moore Harry S.
§O'Brien Dennis & Sons
§O'Connor James
§Stone C. O. & Son
MILFORD—§Broadwell C. H.
Clark Elbert N. & Son (Roads)
MYSTIC—Cromwell Chas. S.
NAUGATUCK—Meggin W. J.
§Reidy & Kelly (Mason)
NEW BRITAIN—Baker Milton O. (Concrete)
Baker & Lasher, Inc.
§Carlson & Torell Co.
§Clifford A. D. Co.
Crowe Thos. W. (Mason)
§Downes John E.
Lyman Abner A. (Sewer & Grading)
Maguire John P.
Ramage Ripley J.
§Rutherford A. N., Inc. (Mason)
Ulinski A. Bldg. Co.
NEW CANAAN—Mattiolo Michael
NEW HAVEN—Arborio John, 82 Church
Augur Chas. E. Co., 549 Elm
•†Blakeslee C. W. & Sons (Sewer & Paving), 58 Waverly
Blatchley Burton N., 902 Chapel
Carmichael D. G. (Mason), 902 Chapel
§Church Jas. A. Co., 262 Sherman av
City Point Concrete Co., 149 Greenwich av (Paving)
§Clark David H. Co., 166 Brewery
§Coan M. A., 185 Church
§Coffey Lawrence J. (Mason)
Colwell Philip (Sewer, etc.), 21 Gilbert
Connecticut Concrete Co., 185 Church
Dahill F. J. Co., 217 Water
Daley Robt. D. Co., 215 Grand av
Dwight Building Co., 69 Church
§Fowles Harry I. & Son, 137 Exchange
§Gibbud M. J. Co., 107 Water
§Hedges Geo. L., 330 Norton
Hogan Jas. H., 2078 Chapel
Hubbell & Merwin Co., 19 Artizan
§Knoll Carl A. & Son, 1448 Whalley av
Larkin-Carey Co.
Larson Oscar, 515 Quinnipiac av
•Lathrop & Shea Co., 185 Church
Leonard J. N. & Co., 902 Chapel
§McCaulley Harry, 42 Helen Hamden
§McFeeters Chas., 586 Orchard
Maher Thos. F. (Sewers), 883 Orange
§Murdock Chas. W., 185 Church
§Paterson Wm., 207 Orange
§Penney Albert W.
Rice Jos. N., 902 Chapel (Paving)
§Ritchie Wm. Co., 115 Bishop
Russell Sam'l C., 529 Grand av
Sherman John L. (Grading, etc.),, 253 1st av, W H
•†Sperry Engineering Co., 136 Chapel
Sperry & Drake Co.
Sperry & Treat Co. (Masons), 39 Church
Standard Construction Co., 153 Court
Sullivan & McKeon, 843 Dixwell av
§Thomas & Hobro Co., 340 Howard av
Thompson J. P. (Excavating, Grading, etc), 204 Goffe
§Todd Jas. E., 255 Kimberly av
Warner Geo. W., 29 Circular av
Waterhouse Charles R., Jr. (Bridges, etc), 74 Park
§Wharton G. D., 213 Winthrop av
Wooding C. F. Co., 185 Church
NEW LONDON—Andre B. (Excavating, etc.)
§Brody & Lipman
Burch Horace O.
§Cruise Edwin
Doland, J. A. & Co.
Douglas H. R. (Inc.)
•Fitzgerald J. E. Co. (Masonry)
§Fowler O. L. (Mason)
§Harvey Wm. A.
§O'Connell Michael
Redden Const. Co. (Excavating & Grading)
§Ryan J. J. (Stone & Cement)
§St. Germain Joseph A.
Scott T. A. & Co. (Dredging, Pile Driving)
§Smith & Perry
§Woodworth & Jenney Co.
NEW MILFORD—§Taylor & Buckingham
NEW PRESTON—§Pullis C. J.
NORFOLK—Snow Melville E. (Mason)
NORTH HAVEN—Bruce Lawrence (Road)
NORWALK—Carr Herbert V. (East Norwalk)
Malkin A. R. & Co.
St. John & Keyser
NORWICH—Blackledge H. & Co., 25 Seventh
Connecticut Engng. & Contracting Co.
Del Carlo C.
Dodd Thos. J. (Sewer)
Marshall Chas. O.
McQuirk Wm. H.
§Peck McWilliams Co.
Purvis David H. (Mason)
§Smith Cornelius
•Torrance Archibald (Sewer, Public Works, Waterworks, etc.)
Williams C. M.
§Young Wm. C.
OAKVILLE—§Abbott Chas. F.
§Bradshaw Alfred (Mason)
PUTNAM—§Wheaton Bldg. Lumber Co.
REDDING RIDGE—McCollam H. C.
RIDGEFIELD—§Scott Ernest
SEYMOUR—Church Stephen B. (Water Works)
§Harris William & Sons (Masons)
SHELTON—Beard B. N. Co.
§Beard Chas. C., 172 Coran av
§Brennan J. J. & Sons (Masons)
SOUTHINGTON—Nalon Thos. (Mason)
SOUTH MANCHESTER—Gorman Thos. J.
§Mahoney John (Mason)
§Peck A. T.
SOUTH NORWALK—Brown Alfred, 127 H. S. Main
Chariott Salvatore
Foley T. F.
Robins Thomas (Mason)
STAFFORD SPRINGS—Campo B. (Mason)
§Graves W. D. & Son
STAMFORD—Alevoli G., 88 Lanark rd
Dawless Frank S.
Dodge Geo. E.
Genovese Bros., 290 W Main
O'Conner Concrete Const. Co.
Palmer Frank L.
Parsons Harold A.
§Sarsfield Thomas C., 324 Main
Shea-Sullivan Co., 303 Main
Speike Const. Co., 231 Atlantic
§Rouck J. J., Jr.
§Trolle John Alfred & Co., Dept H
Valerio Francisco
Vuono Const. Co. (Masons), 303 Main
§Wardwell Frederick S.
Weed G. N.
STERLING—Bennett Nelson A.
STONINGTON—§Perry A. W.
Wilcox Asa C. (Mason)
STATFORD—Beardsley J. E. (Mason)
TARIFFVILLE—Ketchin A. J. & Son
THOMPSON—Vito A. Constr. Corp.
TORRINGTON—De Michiel John & Bro.
Driscoll John E. (Sewer)
§Fuller Frank W. (Mason)
Gleeson Wm. A.
Mascetti & Holley
Mawla Ernest
Torrington Building Co., Inc.
UNIONVILLE—Kribbs Benj. R. (Mason)
WALLINGFORD—Kavanaugh Edward F.
Loucks & Clarke Corp.
§Wooding C. F. Co.
WATERBURY—Altieri Bros., 145 Bishop
Barbara & D'Aurio (Sewers)
Bernier Victor, 953 Baldwin
Carey Owen
Chatfield George S. Co.
§Delowry Thos. A.
Diorio Rocco & Co. (Sewer)
Gaffney J W. Son, 427 E Main
Goldsmith & Chatfield, 672 W Main
Hurlbut W. M. Co.
†New England Engineering Co., 31 W Main
Machamchik & Rudrman
Mill Engng. & Constr. Co.
Tracy Bros. Co. (Masons)
WEST HARTFORD—Cone Robert H.
Stemberg A. C., Inc.
WEST HAVEN—(See New Haven)
WESTVILLE—Chatfield Bros., 54 Westwood rd
WILLIMANTIC—Ahern Construction Co.
Latham & Crane
§Doyle & Murphy Co.
§Meehan & Lambert
WILTON—§Eakland C. O. & Son
WINDSOR—Searle Chas. B.
WINSTED—Carey J. F. (Grading, Waterworks & Public)

DELAWARE.

DELAWARE CITY—Anderson Jas.
Clark Harry C. & Son
ELSMERE—Banta Claude
MARSHALLTOWN—McDowell Alfred H.
WILMINGTON—Bader J. A. Co.
Charles Geo. S. & Son
§Dangel David & Sonss
§Downward Alfred
§Haddock Wm. D. & Co.
§Hamilton Jos. S. Co. (Mason)
Healy John E. & Sons
Jones Wm. H. Contracting Co., 823 Shipley
Logue James
§McCoy S. Howard
Manufacturers' Contracting Co. (Engineers), Church & F
Melvin Thos. H.
Pyle & Stannard
§Reed A. S. & Bro. Co. (Public Work & Masonry)
Tindall, Chas. H. & Son
Tindall Wm. C.

DISTRICT OF COLUMBIA.

WASHINGTON—Ahmay G. L. & Son, 423 11th, N W
§Avery Walter B., 632 G, N W
Bache Arthur J., 1225 11th,N W
Bean James W., N W cor 4th & M, N E
Boryer Harry F., 1300 F., N W
Boyle-Robertson Constr. Co., Evans bldg
Brenizer Warren F. Co., 205 Q, N W
§Breuninger L. E. & Sons, Colorado bldg
Capital Constr. Co., Portner
Cassidy Chas. J. Co., Southern bldg
Corbett Geo. W., 409 10th N W
Darby Rezin W., 3009 O, N W
Drew Fred Co. (Concrete), Woodward bldg.
Edmonston Sam'l H. Co., 611 G, N W
Fenestra Constr. Co., Evans bldg
§Fersinger Peter, 1 N, N W
Fuller Geo. A. Co., Munsey bldg.
Garrett Wilbur R., 1416 F, N W
Gummell Edw. G. (Sewer & Public), 36 P, N W
Hampton Thomas, Union Savings Bk.
Harbin Sam'l, 326 13th, N W
Hughes Geo. T. & William, 2124 Eye, N. W.
§Kennedy Bros., Inc., 2400 16th, N W
§Kennon Chas. C., 814 13th, N W
Langley Chas. A., 310 12th N W
§Lipscomb Wm. P. & Co., District National Bank bldg
Loehler G. G. Co., Franklin Nat'l Bk. bldg
McCray Wm. H., Evans bldg
McKay & Morris, 715 14th, N W
Meatyard Constr. Co., Wilkins bldg
Meitzler & McKay, Oxford bldg
Miller W. C. & A. M., Union Trust bldg
§Mooney W. E., Evans bldg
Moses A. C. Constr. Co., 916 N. Y. av, N W
§Parsons Jas. L., Southern bldg
Perry Chas. B., 3022 14th, N E
Prescott Sam'l J. & Co., 814 13th, N W
Reeve Wm. K., 826 19th N W
Rust Engng. Co. (Foundations), 504 Distr. National Bk. bldg
Skinker & Garrett, 1416 F, N W
§Smith Arthur L. & Co., Woodward bldg
Sorrell Richard H., 329 N, S W
Standard Engineering Co., 2129 Eye, N. W.
Stuart Wm. A., 5010 River rd
Sutherland W. M., Building & Contracting Co., Munsey bldg
Tribby H. B. Co., Southern bldg
Vinson Contracting Co., 203 Indiana av
§Wagner Frank L., 1413 H, N W
Wardman Harry, 1430 K, N W
§Weller Constr. Co., 816 14th, N W
§Westinghouse Church Kerr & Co., Wilkins bldg
§Whitty R. P. & Co., Union Trust bldg
Wilkinson Jos. R., 3326 N, N W
§Wischhusen John, 811 Butternut, N W
§Wyne Geo. E., Home Life bldg
Zepp Guy S., Southern bldg

FLORIDA.

DAYTONA—Espedahl Jacob
Gove S. H.
EUSTIS—Kinser B. M.
FORT MYERS—Wallace W. R. & Co.
GREENCOVE SPRING—Rice Peter
HAINES CITY—Randall F. A.
HOMESTEAD—Umphreys J. F.
JACKSONVILLE—Bryan & Co. (Macadam Roads)
Donahoo J. D.
Jacksonville Concrete Products Co. (sidewalk, etc.), 630 Riverside av
Long Fred W. & Co.
Rae Robert
Ramsey Jas. (Paving)
Richardson W. P. & Co.
Ross R. G. (Public & Government Work)
Woodcock O. P.
MIAMI—Art Stone Construction Co.
John Ben Co. (Dredging)
Orr J. B.
Quinn J. J. Co.
§St. Johns Co.
Seminole Constr. Co. (Road)
PENSACOLA—Blount F. M. Construction Co.
Crona Bros. Constr. Co.
Davis L. M.
Fulghum S. L. & Co.
Pons & Sunday
Southern Paving Construction Co.
Turner C. H. & Co.
Williams N. W.
Wills C. W.
Wilson James Y.
PLANT CITY—Chapman Edgar
Fletcher R. E.
ST. PETERSBURG—Henry Walter C. & Son
Henry Walter C. & Son
Southern Construction Co.
SARASOTA—McAlpin Geo. M. (Concrete)
TALLAHASSEE—Childs Bros.
TAMPA—Bates-Hudnell-Jetton Co.
Cole W. V.
Davis & Webb
Holmes & Binkley (Paving, etc.)
Logan Bros.
Lopez M. F.
Miller G. A.
Parker E. W.
Thompson B.
WEST PALM BEACH—Brown Geo. W.
Greynalds & Monroe, Inc. (Road)

GEORGIA.

ALBANY—Knight A. C.
Leonard F. B.
Smith & Watson
AMERICUS—Americus Const. Co.
ATLANTA—Adair & Senteel, Healy bldg
Artley Allan, Inc., 72 Marietta
Bailey-King, Healy bldg
Barge-Thompson Co., Peters bldg

Bernhardt Chas. Wm.
Bray G. H.
Brooks-Callaway Co., Walton bldg
Brooks-Fisher Co., Candler bldg
Brown I. N.
Carr H. J. & Co.
Case & Cothran
§Clayton Geo. A. (Bldr., etc.)
Crawford & Slaten, Austell bldg
Donaldson & Pearson
Dumn & Woodall, Walton bldg
Dysard Const. Co., Austell bldg
Flagler Co.
Foundation Co.
Francis W. P.
George Wm. H.
Griffin Construction Co.
Griffin-Hodges Co., Candler bldg
Gude & Co.
§Hamilton Alex. D.
Hays Ed. R. & Son, 84 Peachtree
Krebs A. J. Co., Walton bldg
McCrary J. B. Co.
McDevitt-Fleming Co.
MacDougald Const. Co., Healy bldg
Markert B. F. & Co., Grant bldg
Mashburn W. E. Co.
Miller C. F.
Myers C. B., Constr. Co.
Nichols Contracting Co.
Oxford J. E.
Pierson & Hancock, 84 Peachtree
Pittman Construction Co.
Shelverton Const. Co., Atlanta Trust Co. bldg
Southern Constr. & Supply Co. (Public Buildings, Municipal Improvements, etc.)
Southern Ferro Concrete Co.
Thompson & Moseley, Healy bldg
Tufts Arthur
Turner Construction Co.
Walker R. M. & Co.
Webb Const. Co., Forsyth bldg
Wesley T. C.

AUGUSTA—Bowe Wm. F., Jr.
Holley Construction Co.
Jones W. W.
Lawrence Constr. Co.
Palmer Spivey Constr. Co.
Sibert & Robinson
Twiggs A. J. & Sons (Engrs.)

BOSTON—Foster W. R.

COLUMBUS—Barlow M. C.
*Gardner & Doughtie (R. R.)
Georgia Paving & Construction Co.
*Hardaway Contracting Co. (Bridges, etc.)
§Jordan Co.
Pollard M. J. C.
Wooten L. E.

CORDELE—Hinton W. C.
Little & Phillips

MACON—Arnold E. J.
Beeland W. J.
Cornell-Young Co.
Crump A. B. Constr. Co.
Davis Construction Co., Ga. Casualty bldg
Davis Ollie C. (Roofing), 409 Cotton av
Fannin G. W.
Griffin W. D.
Hall Geo. B.
Schofield-Burkett Const. Co.
Smallinges R. H. Sons
Wilder J. H. B., 30 Washington block

MANSFIELD—Mansfield Lumber & Construction Co.

MILLEDGEVILLE—Marchman J. W.

ROME—DuPree J. F. & Sons Co.
McKenzie C. C.

SAVANNAH—Artley Co.
Morgan E.
O'Connell C. S.
Savannah Roofing Co. (Roofing)
Woollard & Cunningham
Yates J. W. L.

SPARTA—Wiley R. B.

THOMASVILLE—Amason T. E.

WAYCROSS—§Park Mossand & Co.
§Parker V. C. & Son

WRIGHTSVILLE—§Chester W. C.

IDAHO.

BOISE—Morrison-Knudsen Co.
Western Construction Co.

COEUR D'ALENE — Carscallen Drainage & Constr. Co.

KAMIAH—Kelmorgen Leo

SAND POINT—Montjoy H. L.
Springer Samuel

WALLACE—Freedner & Co.

ILLINOIS.

ALEDO—Harney Bros.

ALTON—Mulville Bros.
Unterbrink Henry
Voorhee F. A. Constr. Co.
Wuellner J. J. & Son
Yungck E. G.

ANNA—§Shipley James M.
§Coffman Jas. M. & Son

ANTIOCH—Sibley J. E. & Sons

ARCOLA—Goggin Construction Co.
Thornton & Ginder (Concrete Brick)

ARLINGTON HEIGHTS—Boeger John C.
Meyer Wm. & Son
Myer Henry G.
Schulenberg J. (Mason)

AURORA—Doan Israel & Sons Co.
Graham Wm. Henry
Hallett H. D.
Reuter A.

BARRINGTON—Garbisch Herman

BEARDSTOWN—O'Mears M. J.

BEECHER—Wiggenhauser Wm. (Cement)

BELLEVILLE—§Bauer Bros.
Hoeffken Bros.
Johnson W. C.
Poirot A. P.
Reeb Bros.
Teufel-Kloess Co.

BENTON—Harris L.

BERWYN—Chupka Jno. & Son

BLOOMINGTON—Bloomington Const. Co.
§Bowman C. C.
Lain Ira D. (Paving)
McCarthy M. C.
Simmons Dick Co.

BRADLEY—Moroff John & Son

BROOKFIELD—Pentis James & Son

BUSHNELL—Wiegert Construction Co.

CARBONDALE—Young Grant

CASEY—Etchison J. W. (Cement)

CARLINVILLE—Dunn Wm. P.

CARTHAGE—Munson M. A.

CENTRALIA—Sliger A. J.

CHAMPAIGN—Davis C. W.
English Bros.
†Freeman & Brooks (Masons)
Howard H. C., Jr.
King L. B.
Lange Bros. (Cement)
Nofftz R. T.
Norman U. G.
Stipes & Pilcher (Paving, etc.)
Stoolman A. W.

CHARLESTON—Mitchell C. D. & Son

CHATSWORTH—Watson George

CHICAGO—Adams Constr. Co., 217 Clarkson ct.
Adams Wm. Co., 209 La Salle
American Sewer & Drain Constr. Co., Kenilworth & Central pk.
Anderson A. & E. Co., 19 La Salle
Anderson & Winblad, 6235 S. Michigan av
Angus Wm. J., 3127 Shields av
Archibald E. L. Co., 111 W. Washington
§Arnold Co., 105 S. La Salle
Ashton W. R. & Co., 9204 Pleasant av
Austin Co., 160 N La Salle
Baldwin M. E. Construction Co., 426 Plymouth ct
§Barnard H. B., 140 S. Dearborn
Barr John F., 3447 Indiana av
Barton Spider Web System, 3426 S Kedzie
Bates Expanded Steel Truss Co. (Sub-Stations), 208H S. La Salle
*Bates & Rogers Construction Co. (Industrial Plant Construction, etc.), 37 W. Van Buren
Benson Chas. A., 1801 N. Fairfield av
Bishop H. A., 208 S. La Salle
Bique N. J. & Son, 126 W Grand
Black James Masonry & Contracting Co., 212 W. Washington
Blase Hans, 5019 Pensacola av
Blow Knox Co., 366 E. 30th
§Blome-Sinek Co., 139 N. Clark
Boland Const. Co., 52 W. Jackson
§Boyce W. E. Bldg. & Mfg. Co., 1553 Wells
Broline Nolan & Co., 5 N La Salle
Brooks O. E. & Sons, 6238 Norwood Pk. av.
Brundage Avery, 110 S. Dearborn
Buck Niels & Co., 105 La Salle
Bulley & Andrews, 2040 W Harrison
Bund & Bros (Cement), 915 E. 75th
§Burrell Engineering & Construction Co., 323 S. La Salle
Bush, Roberts & Schaefer Co. (Engineers & Contractors for Reinforced Concrete Bridges & Viaducts), Wrigley bldg
§Bushnell Carl, 133 W. Washington
Cairo Wood Products Co. (Sectional Houses, Bungalows, Garages, Barns & Railroad Buildings), 189 W Madison
Calumet Concrete Const. Co., 109 W. 115th
Canal Construction Co. (Excavating, etc.), 189 W. Madison
Carnegie John L. & Son, 832 E 90th
Carpenter Henderson Co., 118 N. La Sale
Carter W. G., 3301 Parnell av
Caughlin F. P. (Paving), 130 N Wells
Central Paving Co. (Street), 179 W. Washington
Chaney J. H. & Son Co., 189 W. Rand.
Chapman Chas. (Mason), 118 N. La Salle
Chicago Drainage Const. Co., 30 N. La Salle
Chicago Foundation Co., 76 W Monroe
Chicago Special Constr. Co., 301 Monadnock block
Chicago Special Constr. Co., 53 W. Jackson blvd
Citizens' Const. Co. (Excavating, Grading, Sewer, Street, etc.), 133 W. Washington
§Clark A. R. & Co., 30 N. Michigan av
Clausen C. F., 4224 Lincoln av.
Clayson Edw. ((Masonry), 1307 N. Harding av
§Clifford S & Co., 105 W Monroe
Cohigraff Henry J., 1448 Arthur
Connelly Joseph L Co. (Masonry), 4509 W Washington
Continental Bridge Co., 53 W. Jackson blvd
Contracting & Material Co. (Street Paving, Electric Construction & Public Improvements), 4918 S. Wells
Croake James J. (Cement), 2927 Fullerton av
*Cullen-Friestedt Co., 1308 S Kilbourne av
Cullen Geo. P., Inc. (Bridges), 2940 W Lake
Cummings Wm. F., 330 S. Paulina
Custodis Chimney Co., 140 S. Dearborn
Dahl-Stedman Co., 11 S. La Salle
Daniel Oscar Co., 325 W. 29th
Desmond Owen E., 543 S Clark
Dillon John & Co., 2953 N Halsted
Doherty Frank E., 133 W. Washington
Dolese & Shepard Co. (Paving, etc.), 108 S. La Salle
Dowling & Rutherford, 128 N. La Salle
Downey Joseph, 30 N. La Salle
Drumm Constr. Co., 7424 Woodlawn
*Dunn-McCarthy, 19 S Wells
Egan & Co., 133 W. Washington
Ellington-Miller Co., 417 S. Dearborn
Ericsson Henry Co. (Heavy Masonry), 139 N. Clark
Erwing W. R., Inc., 112 W. Adams
§Eshelman James C., 35 N. Dearborn
Ferro Construction Co., 37 W Van Buren
*Fitzsimmons & Connell Dredge & Dock Co. (Dredging, Timber Dealers, Canals, Piers, Tunnels, Foundation), 2413 S. Paulina
Folwell Ahlskog Co., 323 N Michigan av.
Ford & Phillips Co., 559 W Van Buren
Foundatios Co., 209 S La Salle
Friestedt H. F. Co., 327 S La Salle
§Fuller Geo. A. Co., 140 S Dearborn
Fulton Asphalt Co. (Paving, etc.), 53 W Jackson blvd
Gage Thos. G. Co., 64 W Randolph
Gallery John J. (Bridge), 133 W Washington
Galvin James, 53 W Rasd
Gebhardt John & Son, 1825 Orchard
General Concrete Constr Co., 431 S Dearborn
Glindele Chas. W. Co., 4217 Bellepaine av
Goldie Robert Co., 19 S La Salle
Gordon Plumbing & Heating Co., 1346 E 63rd
Great Lakes Construction Co., 308 S Wabash av
§Great Lakes Dredge & Dock Co. (River & Harbor), 104 S Michigan av
Green & Sons Co., 6 N Mich av.
Green H. W. Constr. Co., 8 S Dearborn
Greeuw Dirk, 10950 S Michigan av
Griffiths John & Son Co. (Fire Proof Buildings), 112 W Adams
Haigh Joseph & Sons Co., 140 S Dearborn
Hammond John Co. (Masonry), 2234 Flournoy
Harmond A. H., 1234 W Van Buren
Harris Bros. Co. (Industrial Steel Bld), 35th & Irons
Healy Wm. F. (Sewers, etc.), 82 W Washington
Hendry Alex., 320 W Grand av
*Heyworth James O. (R. R., River & Harbor), 606 S Michigan av
Hinchliff Geo. Co., 189 Madison
Hoeffer & Co., 133 W Washington
Hogson Bros., 1st National Bank bldg
Hoffman W. L. & Co., 144 W 47th
Holpuch, Jas A. Co., 111 W Wash.
Hoover & Mason, 80 E Jackson blvd
Hunter S. M. & Co., 5643 Harper av
§Iverson E. & Sons, 175 W Jackson blvd
Janisch John L. (Cement), 5301 Ravenswood av
Jensen J. C. & Co. (Cement Paving), 133 W Washington
Johnson Construction Co., 7 S Dearborn (Paving)
Johnson F. & Co. (Cement), 1943 N Cal. av
Johnson G. A. & Son, 1335 N Clark
Johnston A. Jr. & Co., 1735 W Austin av.
Jones Const. Co., 1748 W Madison
Jones & Winter, 53 W Jackson blvd
Kalchbrenner John, 133 W Wash'n
*Kearns T. A. Co. (Bridges, Docks, etc.), 343 S Dearborn
Kehl G. & Son Co. (Cement), 1225 N Maplewood av
Kelly-Atkinson Const. Co. (Steel Bridges, Buildings, Roofs, Viaducts), 189 W. Madison
Kenwood Bridge Co., 1st Nat'l Bk. bldg
Ketler-Elliott Co. (Bridge), California av
Kilgore W. B., 1272 W. North av
§Kahl Const. Co., 350 N. Clark
Kreamer & Co., 155 N Clark
§Kreitenstein John, 35 N. Dearborn
Krug Wm. & Son Co. (Excavating, etc.), 6529 S. State
Lane A. W., 19 S. La Salle
§Lanquist & Illsley Co., 110 N. Clark
Larsen Adolph C. (Mason), 7701 Oglesbi av
Laubenheimer Co. (Breweries' Malt Houses, Elevator), 17 N. La Salle, Dept. H
Lauth Philip, 29 S. La Salle
Lautz Wm. H., 64 E. Van Buren
Leake T. S. & Co., 608 S. Dearborn
Leonard Construction Co. (Engineers & General Contractors, Warehouses, Mfg. Plants, Railway Buildings, Power Houses, Bridge Masonry, Reinformed Concrete, etc.), 332 S. Michigan av

(Continued on following page)

Contractors (Building & General)—Continued

ILLINOIS—CHICAGO—Continued

§Leyden Ortselfen Co. (Masonry, Carpentry, Public Works, Sewage, etc), 4514 Clarendon av
Longacre Constr. Co., 36 W. Randolph
Lorenz Bros. Co. (Cement), 4540 W. Madison
*Lorimer & Gallagher Co. (R. R., Canal, Masonry & Heavy Concrete), 118 N La Salle
Lotz Philip & Co., 4527 Malden
Lund A. Co., 19 S. La Salle
Lyman Austin J. Co., 111 W. Monroe
McCall Const. Co. (Masonry), 327 S. La Salle
McCumber C. W. & Son, 140 S. Dearborn
McCumber Wm. & Son, 140 S. Dearborn
McGarry John A. & Co. (Paving), 189 W. Madison
McGuire J. J., 557 Quincy
§McKeown Bros., 112 W Adams
&McLachlan Bldg. Co., 112th & Pullman
McLean M. H., 1246 W 64th
McNichols H. J., 924 S. Kilbourn av
McWayne Co., 639 N Wells
*MacArthur Concrete Pile & Foundation Co., 122 S. Michigan av
MacLean Constr. Co., 76 W. Monroe
Marquette Constr. Co., 7151 S Halsted
Mavor William Co., 7 S Dearborn
Maynard Everett W., 6408 Harvard av
Mellon-Stuart-Nelson Co., 343 S Dearborn
Mensch L. J. Crosby, 138 N. La Salle
Merrill Corp. (The), 446 N State
Metcalf J. S. Co., 108 S. La Salle
Meyne Gerhardt F., 127 N Dearborn
Morava Const. Co., 85th & Stewart av
Moraw Bldg. Co., 6449 S Park av.
Moreland H. D. Co., 3701 Sheffield av. Masonry
Morrice Wm. Co., 17 N. La Salle
§Moses Chas. A. Const. Co., 133 W. Washington
*Moss Jerome A., 608 S Dearborn
§Mueller Const. Co., 179 W. Washington
Muller Franklyn R. & Co., 8 S. Dearborn
Mutual Const. Co., 2532 Warren
†Myers L. E. Co., 53 W. Jackson blvd
*Nash Bros. (Underground Improvement), 10 S. La Salle
Nash-Dowdle Co. (Sewer, Public & Government), 77 W Washington
National Concrete Construction Co., 123 W. Madison
*Nelson Jos. E. & Sons (Bldg & Water Service), 3240 S Michigan blvd
Newman W. J. Co., 19 N. Curtis
Nelson S. N. & Co., 3059 Augusta
Niemz Arthur R., 879 N State
*†North American Railway Construction Co. (R. R.), 53 W. Jackson blvd
O'Connor J. P. & J. W. Co., 5 N La Salle
Ogle Const. Co., 28 E. Jackson
Overland Const. Co., 39 S. La Salle
Paddock Bond & Co., 25 N. Dearborn
Paschen Bros., 111 W. Washington
Peters H. A. Co., 19 S. La Salle
Peterson Wm. F., 416 W Huron
Porter Chas. M. (Sewer, etc.), 111 W. Washington
Powell Bros. (Cement Paving), 11 S. La Salle
Powers M. F., 30 N. La Salle
Prendergast T. J., 118 N. La Salle
Rasmussen Chris., 77 W Washington
Ratledge-Bone Co., 189 N Clark
Rauen Math., 111 W. Washington
Raymond Concrete Pile Co., 111 W. Monroe
Read Chas. & Sons, 175 W. Jackson
Regnell B. J. Co., 19 S. La Salle
§Reidenouer—Erickson, 6202 S Michigan
Rennacker Construction Co., 10 S. La Salle
Roberts & Schaefer Co. (Engineers & Contractors for Coal Handling Plants of All Kinds), 1110 Wrigley bldg
Robinson J. C. & Son, 1126 E. 52nd
Rodatz J. (Masonry & Public), 209 S. La Salle
Rosenthal O. W. & Co., 80 E. Jackson blvd
Ross J. A. & Co. (Cement), 4561 Armitage av
Russell Wm. J. & Co., 2280 Blue Island av.
Ryan Co., 4500 W. Division
Sackley Jas. A. Co. (Paving & Public), 4608 Belmont
Salomon-Waterton Co., 230 E Ohio
Scharmer Constr. Co., 139 N. Clark
Scheidenhelm Edw. L. Co., 111 W. Monroe
Schillinger Constr. Co., 2315 N. Seeley av
Schillinger G. A., 2315 N. Seeley av
Schmidt Bros. Constr. Co., 74 W. Washington
Schmidt Bros. Constr. Co., 22 E. Huron
Scown Wm. J. Bldg. Co., 36 W. Randolph
§Severin N. P., 105 W. Monroe
Shank Co., 30 N. La Salle
Shedden Jas. & Co., 105 N. La Salle
Shnable & Quinn, 30 N. La Salle
Simmons-Dick Co., 549 W Washington
Simpson Const. Co., 133 W. Washington
Simpson Ralph H. Co., 130 W Austin
Skafgaard A. (Concrete), 1656 Keystone av
Skoglund Aug. H., 111 W. Washington
Snyder J. W. Co. (Heavy Masonry, etc.), 166 S Michigan av.
Sproul E. W. Co., 2001 W Pershing rd.
Standard Concrete Const. Co., 108 S. La Salle
States Contracting Co., 38 S Dearborn
Sternberg E. G., 53 W. Jackson blvd
STEWART JAMES & CO., INC., 1210 Fisher bldg
Stiles Geo. W. Constr. Co., 159 E Ontario
Stowell Frank H. Co., 115 S. Dearborn
§Strandberg Bros. Co., Association bldg
§Strandberg E. P. & Co., 232 E Erie
Stressenreuter Bros., 3020 S. Halsted
Sullivan Machinery Co., 122 S Michigan
Suspension Steel Concrete Co., 410 N Michigan blvd.
Sweiberg Chas. E. (Mason), 6338 Magnolia
§Swift Geo. B. Co., 189 W. Madison
§Thompson-Starrett Co., 175 W. Jackson blvd
Thomson G. & Son, Co., 30 N. La Salle
Tiberi John, 6245 S. Parkside av
§Todd J. & Co. (Masonry & Public), 19 S. La Salle
Treadwell Const. Co., 208 S. La Salle
Ulen Contracting Co., 38 S. Dearborn
Underground Constr. Co., 130 N Wells
Union Paving Co., 108 S La Salle
Van Horne J. R., 509 Monadnock bldg
Waful E. E., 140 S. Dearborn
Wagner M. (Mason), 715 W Washington blvd.
Walsh & Masterson (Pile Driving), 35 S. Dearborn
Walter Co., 3953 Costello av.
Warner Construction Co., 111 N Dearborn
Warwick Construction Co. (For All Classes of Fire Brick Work), 1048 W. Harrison
Washington Construction Co., 118 N. La Salle
Webb Geo. A. & Son, 1118 W. Madison
Wells Bros. Construction Co., Monadnock block
Wesche John A. (Masonry), 118 N. La Salle
Western Boarding & Supply Co., 130 N Wells
White Constr. Co., 130 N Wells
White Paving Co., 130 N Wells
Wieboldt Construction Co., 1534 W. Van Buren
Wieboldt R. C., W. 44th & S. Bishop
Wilson R. F. & Co., 1851 Elston
*Yale & Reagan, 9 S Clinton
York A. E., 133 W. Washington
Young & Co., (Concrete, etc.), 5 N. La Salle

CHICAGO HEIGHTS — Chicago Heights Constr. Co. (Building & General)
Fuller Geo. H.

CICERO—§Filas Thos. M. Co.

CISSNA PARK—Schmidt Phil (Cement)

CLINTON—Strive Geo. C. (Concrete)

COLLINSVILLE — Eberhardt Henry W.
Powell & Gaven (Concrete)
Sauer J. M.
Sauer, Thos. W.
Vujteck Joseph

DANVILLE—Carter Bros. (Dredging)
Clark Construction Co.
Gillespie Lowell
Howell J. W.
Krauel Herbert B.
Mitchell J. H.
Moore E. S.
Olson John
Poll J. C.
Quint Frank
Randall Edwin
Schendel Chas.
Schingel Jos. Jr.
Sheets-Ingersoll Co.
Stevens Chas. E.
Yeager M. & Son

DECATUR—Baldridge Bros.
Cope L. N. & Son
Decatur Construction Co.
Flie & Alexander
Henton John R.
Hunt L. F.
McCalman Construction Co.
Needl Benj. M.
Rakow Emil C.
Reid Wm. E.
Stouffer Bros.
Tuttle Sheridan A.

DE KALB—Christianson Peter

DIXON—§Uhl E. E.
McAlpine W. J.

DOWNERS GROVE—McCollum Earl E
Wolfersheim H. H. (Mason)

DOWNS—Weaver Ed. L.

DUQUOIN—§Duquoin Constr. Co.
Pittman L. S. (Concrete)

DWIGHT—Klitz & Korsgaard (Concrete)

EARLVILLE—Keeler Fred B.

EAST ST. LOUIS—Bosquit William C.
Hall Howard H. Const. Co. crete, etc.)
Keeley John & Patrick (Paving, Concrete, etc.), 2100 State
Kiefer Emil N
Rich, Louis, Const. Co.
Stolle, Casper, Quarry & Contracting Co.
Van Dan Elzer B. M.

EDWARDSVILLE—Kesl Joseph & Son

ELGIN—Bell Wm. (Cement & Roofing)
Illinois Hydraulic Stone & Construction Co.
Logan & Giertz Construction Co.
Lydon M. J.
Smith S. A.
Wright J. A.

ELMWOOD—Vance John A.

EQUALITY—Godfrey J. H.

EVANSTON—Dupre Christian
Ekstrand Oscar & Co.
Evanston Bldg. Mat'l Co. (Mason)
Foley M. Co.
McCann Co.

EVANSVILLE—Barth John
Wehrheim E. W.

FAIRBURY—Schnetzler & Son

FARMERSVILLE—Panneton Jos.

FINDLAY—Dandy Oliver

FRANKFORT—Pfaff J & Son

FREEPORT—Babcock Alex. L.
§Blackhawk Construction Co.
Garman Bros.
Gund Graham Co. (Paving)
Hime, L. L.
Hineline J. M. & H. H.
Liejequist W. A.
Rocky Thomas
Rubendale E. I.
Shons Wm. H. (Stone, Concrete Bridges, etc.)

GALENA—Toepel H. J.

GALESBURG—Dahlberg John J.
Davidson Peter McLeod
Graham King Constr. Co.
Gunther Harry H.
McAuley J. B. (Paving, Sewer, etc.)
Miller Charles E.
Monmouth-Galesburg Construction Co.
Munson P. O.
Olson Peter T.
Ream J. A.
Rundquist C. E.
Sweeney M. E.

GALVA—Lind J.

GARDNER—Booth, Nicholson & Gilchrist

GENESCO—Larson Peter A.

GIBSON CITY—Pinkley Geo. C.

GIRARD—Smirl T.

GLENN ELLYN—Conyert Walter P. (Concrete)

GRANITE CITY—Beale John R.
Schwarz Geo. D.
Stubbs, Warren

GRANVILLE—Colby N. H.

GREENVILLE—Van Deusen & Baumberger (Bridge)

GRIDLEY—Wooldul Geo. E.

HAVANA—Anno W. D.

HARVARD—Ward W H. & Son

HIGHLAND PARK—Clow Fred
Delhaye Joseph
Ober W. J. (Mason)

HILLSBORO—Morgan Jas. T.

HINSDALE—Buchholz Henry
Gliesman F. (Mason)

HUBBARD WOOD—Gonsahaes R. L.

JACKSONVILLE—Cocking Cement Co
Cherry John (Paving, Sewer, etc.)
De Gouveia Jos.
Robinson W. D. & Sons
Vasconcellos & Sons
§Wolke John

JOLIET—Ahlvin Victor O.
Chalstrom J. E.
§Cole & Field.
Curtiss & Gindall (Sewer)
Embankment Co.
Groth Adam & Co., Inc.
Hansen & Petersen Co.
Ideal Concrete Constr. Co.
Latz Henry
Lindbland Emil
Powers & Thompson Constr. Co.
Tunny Wm.
Welsh Construction Co.

KANKAKEE—Cleland G. A.
Collins T. P.
§Houde Construction Co.
McMullen Harry (Paving)
Paulissen J. P.
Roat Oakley

KEWANEE—Carlson A. E.

LA GRANGE—Anderson Albert

LAKE FOREST—Paape W. O.

LAKE VILLA—Hamlin & Sons
Noonan James H.
Salmon John & Co.

LANARK—Sword G. W. & Son

LA SALLE—Goodman E. & Co
Keys T. W. (Sewer & Paving)

LEWISTON—Hughes Job.

LITCHFIELD—Fellner Geo. C.

MACOMB—Fuhr H. H.

MARION—Lough W. & Son (Concrete)

MARSEILLES—Quinn Oscar

MASCEUTAH—Schubert Robt.
James & Shinn Co.

MATTOON—Loomis A. C. Co.
§Ozee J. S. Sr.
Powell Constr. Co.

MAYWOOD—Barker John W. (Paving)

MELROSE—Cortino Ross (Cement)

MENDOTA—Larabee Chas. D.
Zolper Henry & Son

MOKENA—Oswald J. G.

MOLINE—Bergstedt Constr. Co.
Brissman & Co.
Heaps Clarence E. (Bldr. & Gen'l)
Lorenz P. H.

MONMOUTH—Galesburg Construction Co

MONTICELLO—Lodge W. F.

MORRIS—Bell Alexander (Cement & Stone)

MORRISONVILLE—Donnelly Henry E.
Marsch Louis (Concrete)
MOUND CITY—Harris D. D., Jr.
NEWMAN—Vermilion Wm.
NORMAL—Huffington F. A. & Sons, Dept H
OAK PARK—Bernard J. L. S.
Caron August S.
Goelitz Henry G.
Guy & McClintock Co. (Mason)
Harper & Buttendorff Co. (Masons)
Sias & Son
ODELL—Upham Chas. S.
OTTAWA—Kerste Aug & Co.
Leix Joseph W. (Concrete)
§Sinnott Bros.
Woodward I. L.
PEKIN—Brookings John G.
Conklin-Reuling Co.
Jansen & Schaefer
Lampitt Ed. F.
Veide C. L. & Co.
Zimmer John E.
PEORIA—§Allen W. M. Son & Co.
Bushell A. A. & Son
Enterprise Stone Co.
Filay Wm. F. (Cement)
Iber Conrad Jr.
Jobst V. & Sons
Moritz G. (Cement)
Wall, William G. & Son
PEOTONE—Carter Chas. H. (Cement)
Continental Bridge Co.
PERU—Clifton Chas.
Koehler F. A.
Peru Construction Co.
Schweickert H. E.
Stangel & Boekling
Trompeter Joseph (Paving, etc.)
QUINCY—Brinks Henry & Sons
Buerkin & Buerkin
Buerkin & Kaempen
Clough Concrete Construction Co. (Concrete & Bridge Construction)
Dilker, D. H. & Sons
Durfee E. J.
Menke F. W. Stone & Lime Co.
Meyer E. A. Const. Co., 2000 Broadway
ROCKFORD—Beckstrom Ross P. & Co.
§Cook Wm. H.
General Engng. & Const. Co. (Concrete)
Holm Page Co.
Lynddon B. R.
McLee John
Nordstrom C. T. (Cement)
Pearce Bros.
Rutledge A. E.
ROCK ISLAND—Anderson Aaron
§Chambers F. M.
§Horst Henry W. Co. (Bldrs. & General)
§Hudson Collins & Hammerich (Bldrs. & General)
Larkin C. J.
Nelson Bros.
Paulsen Henry F.
Sievers Jasper
Tappendorf H. W.
§Volk John & Co. (Bldrs. & General)
ST. ELMO—*Johnston P. M. Co.
§Maus C. W.
ST. JOSEPH—Fenwick C. C.
SANDWICH—Franklin Geo.
Humiston Edgar
Striegel Geo. J.
SPRINGFIELD—Alzina Construction Co., Unity bldg.
Biggs & Son
Bretz John E. (Sewer & Paving)
Fitzsimmons, Frank
Gehiman F.
Hocker E. W. & Co. (Concrete)
McKee Construction Co.
Neich Henry & Son (Paving)
Sime John
Wilson J. F.
Wise & Son
STERLING—Hess E. C.
Lingham John
Powers J. M.
Ramsdell R. H., Construction Co.
Ramsey H. H.
STOCKTON—Schroeder Bros.
TREMONT—Cullihan R. A.
Pugh Wm. (Cement)
Swartz G. A. (Paving)
SYCAMORE—§Quist Samuel
TAYLORVILLE—Morris William J & Son
VERMONT—Rankin F.
Thompson Geo. E.
VILLA GROVE—§Schwartz F. J.
WILMETTE—Crabb James
Scheidenheim Ed. D.

INDIANA.

ALEXANDRIA—Sullivan, Mason & Sullivan (Stone Contractors)
Walker Marion M. & Son (Roads, etc.)
ANDERSON—§Colvin Albert Leslie
Daniels & Lyst
§Eshelman David & Son
Kelly Thos. P.
Madison Construction Co.
Savage Chas M.
§Thompson William E. & Son
§Wright Benj. F.
BEDFORD—Hunter M. W.
King & Estridge
Smith Gus A.
BRAZIL—Cutshall J. M. & Sons
Shattuck Austin M. (Road)
§Urban & Apple
BROOKSTON—Vanatta John C. (Dredging)
BROOKVILLE—Wilson T. F. & Son (Road, etc.)
COATESVILLE—Lisby & Masten (Road)
COLUMBUS—Dunlap & Co.
§Graffa & Son
Robertson Geo. W. & Co.
Schoonover Henry A.
CONNERSVILLE—§Miller S. E.
§Stoops Thos. H.
CRAWFORDSVILLE — Buchanan Washington T. (Road)
Carr W. C. & Son
Harding, Slattery & Buchanan
Nolan & Johnson
§Swan & Son (Brick)
CROWN POINT—§Crowell E. H.
Muzzall F. E. (Concrete)
DELPHI—Clauser W. H. & Sons
O'Connor John C & Son
DUNKIRK—Hayes Const. Co.
ELKHART—§Bushnell G. B.
H. & B. Construction Co.
Kistner Geo. C.
Longacre A. I.
Northern Const. Co.
Yost, John C.
ELWOOD—§Digel S. H. (Large)
Hicks W. R.
EVANSVILLE—§Anderson & Veatch, 521 N 8th
Bedford Nugent Co. (Paving), 302 N Water
§Bippus Jacob & Son, Hartmetz bldg
§Hoffman M. J. Const. Co., 403 Furniture bldg.
Hollerbach & May Contract Co., (River Harbor, etc.), City Bank bldg.
Kanzler Chris & Son, 500 Furniture bldg.
National Contract Co., City Bank bldg.
§Scarborough-Davies Co., Old State Bank bldg.
Whitehead Bennett (Bridge & Road), 117 Norman av.
FORT WAYNE—Brooks Construction Co.
Brown J. O.
Buesching, Hagerman & Co., 402 E Superior
§City & Suburban Bldg. Co.
Fort Wayne Roofing & Paving Co. (Paving)
Grace Constr. & Supply Co.
Henry Jas. M.
Indiana Engng. & Constr. Co.
Kinder Paul P.
§Liebman Ernest F.
Moellering Construction Co.
Rump Fred J.
Western Gas Construction Co., 1431 Buchanan
Wildwood Builders Co.
GARY—Cain Construction Co.
Cripe & Seaman
§Dexter H. H.
Frost Jos.
Gary Const. Co.
General Constr. Co.
Smith Sela A.
Ward Oliver Q.
GOSHEN—Hatch W. W. & Son's Co. (Paving & Public)
Miller I. W.
GREENFIELD—Fry James W.
Gant Edward G.
Hooton & Son
Kirkpatrick Christian M. (Paving & Public)
GREENSBURG—Isgrigg W. H. & Son
*Pulse & Porter
HAMMOND—§Dickover M. A.
§McClay John H.
HUNTINGTON—Hipskind Philip & Son
Keefer & Bailey
INDIANA HARBOR—Callahan & Schock
§Doppler Jos.
Orth Frank
INDIANAPOLIS—Abel Bros., Am. Central Life bldg (Cement)
American Constr. Co. (Street, Sewers, etc.), Castle Hall bldg
Beard L. P. Const. Co., 518 Guaranty bldg.
Bedford Stone & Const. Co., 1850 W Astor
Brandt Bros. & Co., Ind. Trust bldg
Builders Const. Co., 540 N Meridian
Central States Bridge Co., 601 Beecher
Columbia Const. Co., 2108 Columbia av
Conder & Culbertson, 623 N Noble
Cornell Engineering Co., 2611 Cornell av
Cunningham Const. Co., 1801 Kentucky av
Dollman Henry, 1126 Park av.
Driscoll T. J. & Co., 602 Mers. Bank bldg.
§Elder Robert L., 219 N Delaware
Guthrie-Thompson Co., 10 E Market
Hall Const. Co., Board of Trade bldg
Hardin Const. Co., 3220 E Michigan
Indiana Asphalt Paving Co., 2810 Columbia av
Jose-Balz Co., 1116 Fairfield
§Jungclaus W. P. Co., 827 Mass. av
Karstedt J. G. (brick), 2430 N Delaware
§Kuert Contracting Co., 603 Occidental bldg.
Latham & Walters, State Life bldg
Mansfield Engineering Co., Fletcher Trust bldg
Marion County Const. Co., 1600 S West
Mead Const. Co., 441 Postal Station bl.
§Milliken Lynn B., Inc., 581 N Delaware
§Moon C. H., 220 E 16th
National Concrete Co., Lemcke bldg
Power, Taylor Co., 1214 J. G. Wild bldg.
Rath Const. Co., 417 Baldwin bldg.
Reliance Const. Co., Board of Trade bldg
Schlegel & Roehm, 602 Lombard
§Scott D. I. & Co., 148 N Alabama
Service Const. Co., Castle Hall bldg
Sheehan Construction Co., 309 Holiday
§Smock F. C., 3228 College av.
State Const. Co., 37 & Meridian
Timberlake S. M. Co., Amer. Central Life bldg
Union Asphalt Const. Co., Lemcke bldg
Unversaw A. K. & Son, 1155 Shelby
KENDALLVILLE—Diggins G. F.
KIRKLIN—*Sparks Thos. E. (Bridge)
KOKOMO—Hatton Ed. T.
Kokomo Const. Co.
§Moore & Danner (Bldrs. & General)
Morgan Wm. Z. (Brick)
Watson Jas. H. & Co. (Municipal Work)
LAFAYETTE—Brown G. S.
Chew, Joshua & Co.
Evans Bros.
Kemmer Alva E.
Lafayette Eng'ng Co.
Levandowski Peter
Western Const. Co. (Paving, Drainage, etc.)
LA GRANGE—Walb C. A.
LA PORTE—Anderson & Luebker
Cook Bros.
Goff Clifford
Griewauk Bros.
Larson-Danielson Constr. Co.
LEBANON—Adam John (Cement)
Boone Constr. Co.
Busby George
Dale Chas. M. & Co. (Road)
Fullwider & Kernodle (Road)
McDonald E. L. & Son (Bridge)
Miller Geo. T.
Shahan Patrick & Son
LEWISVILLE—Smith R. R. Sons
LOGANSPORT—Baker & Price
Barnes Harry A.
Barnes James I.
Girton & Perry
Hall Joseph
§Horn Carl J.
McHale Martin (Road)
Medland Bros.
Palmer, Moore & Co.
LOOGOOTEE—Van Hoy & Son
MARION—Minnick W. H.
§Reed & Rish
Simmons Oren J.
Yates Wilbur
MARTINSVILLE—Cunningham Constr. Co
Martinsville Constr. Co.
MICHIGAN CITY—Hutchinson W. B. & Co.
Koellen Henry
Southard Wm. E., 708 W 8th
Telschow Fred
MISHAWAKA—Rosewarne Wm.
MUNCIE—§Hartley John J. Agency
Hines Frank & Son (Road)
Hutchings John F.
Illingsworth Fred
§Snyder Jos. B.
NEW ALBANY—Day Stephen & Son
§Home Development Corp.
Thomas H. D. & Son
NEW CASTLE—Burk Constr. Co.
Burk Frank
Faust Samuel
Garvey James (Cement)
Minnick Constr. Co.
NOBLESVILLE—Durflinger John W.
Findley H. L. Co.
Jackson J. W.
NORTH VERNON—Miller B. P. (Concrete Work)
*Miller J. H.
PENDLETON—§Maul Walter
Reason J. D. Co.
PERU—Goodall J. B. & Sons Co.
Stauter Ira H.
§Thomas Bros.
Tripper Allen G.
PLYMOUTH—Ness J. S.
O'Keefe Arthur W.
Price & Rosenburg
RENSSELAER—Smith W. F. & Co (Roads, etc.)
RICHMOND—Hendrix W. F.
Hipskind John F. (Sewer & Street)
*Johnson B. & Son (R. R.)
Slick F. E.
ROACHDALE—Smith Albert
ROCHESTER—Davidson A. C.
Holman Hugh B.
Rochester Bridge Co.
ROCKVILLE—Jerome Edgar
Noble Sidney A.
Van Fossan Jefferson P.
RUSHVILLE—Herkless A. R.
Wilk & Co. (Road)
SHELBYVILLE—§Meloy John F.
SOUTH BEND—Barnes H. N. (Paving)
Christman Henry G. Co.
Davis Geo. A. Const. Co.
Defrees C. H.
Eckler Henry Mfg. Co.
Gunderman George J.
Hoban & Roach (Sewer, Paving, etc.)
Hoffman Geo. J. Co.
Kuehn Jorden Co.
Neitzel B. H.
SULLIVAN—§Nicholas Frank J.
Routt Bros.
Sullivan Bridge Co.
SWAYZEE—Foltz Cyrus (Cement)
TERRE HAUTE—Ainsworth E. & Son Construction Co.

(Continued on following page)

Contractors (Building & General)—Continued

INDIANA—TERRE HAUTE—Continued
Bennett-Barnes Co.
Caton Walker
Caton Wm. & Son, Arcade bldg.
Dorsey Wm. C.
Foulkes Contracting Co. (Road)
Houff A. Dale & Co.
Meyer Ed. H.
North-Raffin Construction Co.
Pierson & Bro.
Roehm Bros.
Stroot & Weust
TRAFALGAR—Pickerell O. L.
VALPARAISO—•Clifford P. T. & Son
WABASH—Hipskind Alois F. (Roads & Paving)
Hipskind Chas.
Hipskind Geo. C.
Lynn Bros.
Todd Construction Co.
§Wabash Construction Co. (Bldrs., etc.)
WALDRON—Avery Wm. (Road)
Haymond & Howard
WARSAW—Frush J. P. & Son
WASHINGTON—Bogard Noah (Concrete)
Brown R. A. & Co.
Morton Bros. & Co.
Routt W. A. & Son
WHITING—Nejdl & Greenwald
WILLIAMSPORT—Carmichael Wm. P. Co. (Large, Contrs. & Engrs.)
WINAMAC—Winamac Construction Co.
WINCHESTER—Thornhill J. H. (Bridges)
WOLCOTTVILLE—Myers Chas. E.
ZIONSVILLE—Gregory Frank M.

IOWA.

BELLE PLAINE—Conklin Henry B.
Park Jas. & Co.
BURLINGTON—Beck H. A.
Burlington Construction Co.
Eilers Henry (Cement)
Guenther Fred W.
Hassel C.
Johnson Algot (Cement)
Thye John
Woodcock & Walter
Young & Buescher Const. Co.
CEDAR RAPIDS—Edinger Ed. Co. (stone)
§Fisher R. H.
Ford Paving Co.
Hopp J. W. Construction Co.
Klepach John (Mason)
Leefers J. F. Co.
§Lightner Bros.
§Loomis Bros. (Gen. & Concrete Const.)
Smith A. J. (Mason)
Stark T. & Co.
§Sutherland Thos. M.
Tschirgi M. & Sons
CLINTON—Carey Thos. & Sons
Clarke Construction Co.
Clinton Bridge Works
Haring D.
Hawley & Cheadle Construction Co.
Krieger Ed.
Logan Bros.
Rink & Schnell
COUNCIL BLUFFS—Council Bluffs Concrete Co.
§Hansen Joe
Hansen Joe, 803 Av F
Jensen Bros. Co.
King & Hansen, 28 4th
Lana Construction Co. (Bridges, Paving, Sewers, etc.)
§Myrtue Bros.
§Norgaard C. C.
•O'Connor Jas.
§Pennell C. M.
Saguin Jas.
Wickham Bros. (Brick)
•Wickham E. A. & Co. (Paving, Sewer & Water Works)
DAVENPORT—Arnould A. A., Davenport Savings Bank bldg
Central Eng. Co. (Concrete Bridges, etc.)
Gould Construction Co. (Bridges)
Hunzinger J. H. & Co.
Independent Construction Co.
Iowa Const. & Engng. Co.
Littig Construction Co.
McCarthy Improvement Co. (Paving, etc.)
National Const. Co.
Nebergall J. F. & Sons
Ryan D. J. Construction Co. (Grading, Paving, Concrete Work, etc.)
Sheldon Geo. Co.
Soller John & Son
•Walsh Construction Co.
DES MOINES—Benson John A. Contr. Co.
§Brereton W. H.
Iowa Bridge Co.
§Keyes L. D.
•Koss Construction Co.
Kucharo W. F. & Co.
Lovejoy J. E.
Maine James & Sons Co.
Neumann Arthur H. & Co.
Stark N. M. & Co. (Bridge)
Turner J. W. Improvement Co. (Sewers, Paving, Bridges, Underground Conduit, Waterworks, Dams, etc.)
§Tusant J. E. & Son Co.
Wagner T. S.
Weitz Chas. Sons
DUBUQUE—Braun Chris.
Efferding T. G.
Elsbach Peter & Sons
McNamara C. B. & Co.
Mueller Henry
Ney Albert
FOREST CITY—Gjellefald-Chapman Construction Co.
FORT DODGE—Jensen Construction Co.
IOWA CITY—Franklin Chas.
Freyder F. X.
KEOKUK—Cameron's Jas. Sons
•Cameron Joyce & Co. (Levee, Railroad, Sewer & Public)
•Joyce Bros. & Co.
Young Jno. W.
LE MARS—Huxtable John
MARSHALLTOWN—Jacobson John
Reimar C. F. & Co.
Ingersoll Stouffer Engng. Co.
MASON CITY—Bowen S. R. Co.
Henkel & Brown
Irwin William R.
Stratton B. L.
OSKALOOSA—Carlon Construction Co. (Paving, etc.)
OTTUMWA—Ottumwa Bridge Co.
Ottumwa Mill & Construction Co.
Ottumwa Supply & Construction Co.
SIOUX CITY—Federation Construction Co., Guarantee Construction Co.
Jensen & Krage (Paving)
Olen Norman
Ostling Andrew
Riesche & Sanborn
Spowage James Co.
Ward & Weighton
Williams C. M.
WATERLOO—Black Hawk Construction Co. (Bridges, Reinforced Concrete Construction, etc.)
Bryant Paving Co.
Chapman F. W.
Dearborn Construction Co. (Paving, Sewers, etc.)
Lauritzen Construction Co.
McDonnell T. F. & Co.
Maine H. A. & Co.
Moore-Young Construction Co. (Paving & Roads)
WEBSTER CITY—Austin A. H. (Bridge)
Quackenbush J. E. (General & Bridge)
Zitterell W. J. Co.

KANSAS.

ATCHISON—Braum H. & Son
Schaeffer George H. T. & Co.
FORT SCOTT—Ireland & Rollings
Simons C. A.
Thogmartin & Gardiner (Street, Road, Sewer, etc.)
INDEPENDENCE—Brewster Bros.
KANSAS CITY—Brown Bros. (Grading, etc.), 11th & Muncie blvd
Kepler H. A., 700 N 12th
PARSONS—Cohoon U. G.
TOPEKA—Capitol City Vitrified Brick & Paving Co. (Sewer, etc.)
Kaw Paving Co. (Paving)
Spencer F. M. & Son

KENTUCKY.

ASHLAND—§Wilson A. A.
BELLEVUE—§Geeslin Jos.
BOWLING GREEN—Murphy Bros. Co.
COVINGTON—Behle C. J. & Sons Co.
Craig J. J.
Northcutt Bros. Co.
Pohlkamp H.
HENDERSON—Johnson P. P. & Son
LEXINGTON—Bateman W. M.
Home Const. Co.
§Carey-Reed Co.
Howard Albert
•Mason & Hanger Co.
LOUISVILLE—Anderson A. J. & Co., Barker K. A., Floyd & Lee
Bickel Henry Co. (Grading & Excavating)
Cahill J. H.
Eady Geo. M. Co.
Figg L. R. Co. (Street)
Greiner T. Bldg. & Cont. Co.
Hancock L. W.
Koerner C. A. & Co.
Koppelman Wm. H.
Langford Geo. W. Co.
Lichtefeld Metzner & Co., 981 Logan
§Miller F. H.
Nat'l Concrete Constr. Co.
Nat'l Roofing & Supply Co. (Paving)
Rommel G. H. Co. (General)
§Short F. Co.
Shrader Bros.
Struck Construction Co., 147 North Clay
Thomas C. F. & Co.
Young & Humphrey
NEWPORT—Ader Frank G. Const. Co. (Engr. & Contr.)
Bertke H. & Son (Concrete)
Bowman Ben
Gubsen Bros. (Cement)
McLane John B. & Co. (Sewer)
Schuchter Anton
Trapp Daniel (Paving, etc.)
OWENSBORO—§Farnsworth R. P. & Co
Tennes & Greenwell (Concrete)
Whitehead John W.
PADUCAH—Karnes W. M. & Sons
Katterjohn F. W. Const. Co.
Katterjohn G. W.
Lockwood Gus
SHELBYVILLE—Fitch Will A. & Co.
§Gruber & Doss
§Miller Bros.
WINCHESTER—Clark County Const. Co.
Stevenson W. Ward

LOUISIANA.

LAKE CHARLES—Delatte & Lagrange
McCorquodale W. M. (Road)
NEW ORLEANS—Alexander Lester F. & Co.
Bond H. W. & Bros.
Castanedo Walter (Power Plant), 1101 Hennen bldg.
Chisholm J. O. & Co. (Large)
Craven & Lang (Paving), Hibernia blk
Doullet & Williams, Inc., 816 Howard av
Egan Thos., 4330 Canal
§Favret Lionel F., 807 Tulane Newcomb
Fectel Maurice
Geary James, Perrin bldg
Givin O. M. Const. Co., Hennen bldg
§Glover Geo. J., 1022H Whitney bldg
Grasser Contracting Co., 912 Hennon
§Hortman Co., 3110 S Carr
§Jefferson Const. Co., Q. & C. bldg
Kane-Kelly Contrg. Co., Audubon
Koch Julius, 219 Carondelet
§Lagasse Paul, 826 9th
Larsen Chris., Hennen bldg
§Lennox Jos. W.
§McCarthy Richard Jr., 518 Carondelet
Petty J. A., 607 Godchaux
Reimann G. E. & E. E. Co., Nap av & Pitt
Riess John
Scott Nat'l G., Hennen bldg
Sintes Chas.
Theobold Gustave A., 624 Spain
Tranchina D. J.
Van Meter W. W.
Walther Henry, Hennen bldg
SHREVEPORT—Chatwin Bros. Riprap & Contracting Co. (Street & Public)

MAINE.

AUBURN—Greenleaf John A. & Sons Co., 20 Washington
§Lane Eugene F., 1 Laurel
Whitehouse Brost (Masons), 76 Academy
AUGUSTA—§Brooks Chas. A.
Hanson Alfred & Son (Masons)
§Hoxie C. E.
Purinton Bros. Co.
Tracy & Metcalf
BANGOR—Cutter Leslie W.
Foster & Loftus
Grady John & Son
Spellman Jos. F. & Sons Co.
BATH—Carlton F. W.
BIDDEFORD—Des Roberts Francois X. & Sons, 66 Birch
Emmmons F. L. & Co., 8 Orchard
BRUNSWICK—§Colby Frank A. & Son
§Hacker C. E.
LEWISTON—§Day Gilmore J., 56 Oak
§Dionne Emile, 116 Pierce
§Hall & Maxim, 196 Pine
Harkins M. T.
§Kerr James H., 14 Lisbon
Lane Geo. W. & Co.
§Malo Louis, 51 East av
§Moreau Theda F. & Co., 486 Lisbon
Saucier Thos.
§Tremblay Hermengile, 182 Ash
PORTLAND—Bennett Contracting Corp. (Wharf), 199 Commercial
Blackstone & Smith, Masons, 185 Middle
Cobb & Webster, 650 Forest av.
Cunningham F. W. & Sons, 181 State
Googins & Clark, 46 Portland
Griffin D. F. & Bro. (Paving & Public), 106A Evch.
*†Gulliver John W., 33 Norwood
Hanson Charles A., 191 Grant
§Howatt C. B. & Son, 192 Brckt.
§Johnson, E. G. Co., 50 Cross
Porter-Burnham Co., 71 Kenbc.
§Redlon N. E. Co. (Masons), 80 Union
Rogers, Spencer Son, 94 Exchange
Rumery F. A. Co., 326 Stevens
Williss & Rumery Co., 164 Woodford
SOUTH PORTLAND—Marshall Frank H.
WATERVILLE—Purinton Horace Co.
Winters Henry T. & Son

MARYLAND.

BALTIMORE—Aiello Const. Co., Gough & 4th
Allen Walter E., 1465 Washington blvd
American Paving & Contrg. Co., Montebello av
Amrein Wm. R., 2808 Guilford av.
Andrew David M., Sisson & 26th
Andrews H., Equitable bldg.
Arundel Corp., Pier 2, Pratt
Auer Armin, 2223 E. North av.
Baird James, 222 St. Paul
Balto. Engine Co., 221 N Calvert
Barnes H. Calvin, 113 E Franklin
Bennett Benj. F. Bldg. Co., 123 S Howard
§Bennett Geo. W., Franklin bldg
§Brown Harry H., 212 Clay
§Bunnecke Geo. & Sons, 2002 St. Paul
Callahan Wm. H. Jr., Knickerbocker bldg
•Claiborne, Johnston & Co., Garrett bldg.
§Cogswell-Koether Co., 406 Park av
Consolidated Engineering Co. (Brick Paving), Calvert bldg
§Cushen P. J., 201 W. Fayette
§Davis Milton C., 902 W. 36th
Della Howard R., 1144 Hanover
Development & Const. Co., American bldg.
Empire Engineering Co., Inc., 31 Calvert

§Eyring E. & Sons, 3501 Fait av
Fedeli A. F. Co., States Bank bldg
Firor Howard O., 1707 W Pratt
Flanigan P. & Sons, Hartford & B. & O. R. R.
Fox H. W. & Co., 2917 Greenmount av
§Frainie Bros. & Haigley, 19 W Franklin
§Frazier R. H. & Son, 125 W Mulberry
Fuller Geo. A. & Co., Citizens Nat'l Bank bldg.
Gartrell J. Burgess & Co., 621 S. Pulaski
Garthe William Co., 2340 Oak
General Contracting Co., 226 W Richmond
Gladfelter & Chambers, 36th & Roland av
§Guttmann Paul H. & Co., 1536 N Gay
§Harn Willard E. Co., 2314 Oak
Hill E. C. & Son, 120 W Ostend
§Hiltz John & Sons, 343 St. Paul
•Jones T. B. (Sewer, Masonry, Wharf, etc.), Fidelity bldg.
§Kefauver & McLaran, Equitable bldg.
Kimball-Tyler Co., Inc., 261 S. 8th
§Knell Andrew Jr., 225 Cortlandt
Lavoie P. C. Co., Inc., Garrison la
Long Geo. Contracting Co., 1st av & 12th
Long M. A. Co., Munsey bldg.
McCauley W. H. & Son, 1918 Mrymns av
§McCulloh R. N. & Co., 118 E Lexington
•McLean Contracting Co. (Dock, Bridge & Railroad), Fidelity bldg
Madison Const. Co., 212 Clay
MARYLAND METAL BUILDING CO., McComas & Race, Baltimore, Md.
See adv index at end of book
§Mason Randolph B., 308 W Madison
Meyer Wm., Phila. av & 5th
§Miller J. Henry (Inc.), cor Eutaw & Franklin
Miller Wm. M. & Bros., 140 S Highland av
Minor Bros., 224 W Pratt
§Monmonier, Geo. B., 1711 McCulloh
§Morrow Bros. (Large), Fidelity bldg.
§Moylan John J., 538 N Calvert
North-Eastern Const. Co., Lexington bldg
Novak Frank, 33rd
Potts Wm. A. Co., Law bldg
Price Concrete Const. Co., Maryland Trust bldg
Pyles Julius E., 410 Dover
Ramey Bros., Law bldg.
Raymond Concrete Pile Co., Munsey bldg.
§Reynolds & Hughes, 423 St. Paul
§Rippel Henry S., 1929 W Baltimore
Robinson J. L. Const. Co., 1130 W Lafayette
§Rosenthal Albert, Garrett bldg.
Schoenlein L. & Son, 2208 Boyer
Seybold & Eigenbrode, 4311 Belvieu av
§Simpson Chas. W. & Co., 208 Frederick
§Smith Henry & Sons Co., 7 E Redwood
Southern-Rome Co. ("Rome"), 623 W. Pratt
Spencer Const. Co., Garrett bldg
Standard Concrete Steel Co., Knickerbocker bldg.
Stansbury J. E., 2852 Penn av
Stewart Jas. & Co., 13th & 12th av.
§Stockhausen Chas. L. Co., Nat'l Marine Bk. bldg
Walsh J. J. Co., Equitable bldg
•†§Waters John Bldg. Co., 23 E Center
Watts H. D. Co., Garrett bldg
West Arthur F., 3911 Garden blvd.
West Construction Co., American bldg
§Whiting-Turner Const. Co., Stewart bldg
Wicklein Geo. R. & Co., 227 W McComas

CHESTERTOWN—§Culp W. S. & A. M.
§Duyer Frank E.
§Pippin Walter T.

CUMBERLAND—Hazelwood & Clauson, Dept. H
McGill E. G.
Sell Bros. Co., Inc.
Vang Construction Co. (Concrete, Sewer & Railroad Work)
Wise Silas W.

EASTON—§Ross B. W. & Son
§Trax Geo. H.
§Whitby Wm. H.

FEDERALSBURG—Holt Thos. S. Co.

FROSTBURG—Brady Bros.
Fuller Bros.

HAGERSTOWN—Clarkson John T.
Wolf Geo. B. McC.

WESTERN PORT—Harrison Bros. Contracting

MASSACHUSETTS.

AMESBURY—Doe F. A.
Smith Contracting Co.
Watkins Jas. E.
Watkins Robert G.

AMHERST—Bosworth Geo. E.

ARLINGTON HEIGHTS—Kenty Geo. W.
Shirley John E. & Son

ATTLEBORO—Currie Malcom
Dexter Everett O.
Eden John
Grant Bros.
Mackinnon & Nicholson
Perry Emerson E.
White Herbert E. & Co.
Young Daniel & Co.

AUBURNDALE—Scribner W. E. Sons (Masons)

AYER—Hardy Chas. H.

BELMONT—Loomer & Allen

BEVERLY—§Grady Jas. L.

BEVERLY FARMS—Connolly Bros. (Public Work)
§Hardy & Day

BOSTON—§Aberthaw Const. Co., 27 School
§Archdeacon & Sullivan, 5 E Concord
Bailey Wm. M. Co. (Concrete), 88 Broad
§Barry Wm. J., 439 Ashland
Bay State Dredging & Contracting Co., 62 Condor (Public Wks.)
Beal A. B., 101 Tremont
Beatty Const. Co. (Public Work), 66 Warren
Biggs A. M. & Co., 60 Marsh
§Bishop J. W. Co. (& Large), 683 Atlantic av
§Boston Bridge Works (Bridges, etc.), 47 Winter
Bowen John Co., 184 Dudley
Broderick John H, 101 Tremont
§Buckley J. M. & C. J. Co., 164 Federal
Burke D. F. (Mason), 79 Sudbury
Burke John R., 28 School
§Cadario L. B. & Sons, 101 Trm.
Cavanagh John & Son, 473 Dorchester av
Clark & Lee Co., 77 Summer
§Cline Hyman E., 43 Tremont
Coleman Bros. Inc., 245 State
Coleman J. C. & Sons Co. (Street & Public), 1620 Tremont, Rox.
Corrigan Thomas H., 43 Pierce
Coughlan James J., 27 School
§Culbert Robt. J., 141 Milk
Cumings H. P. Const. Co., 77 Summer
Cunningham C. S. & Sons Const. Co., 80 Boylston
§Duff John W. (Inc.), 146 Summer
§Edward & Monahan Co., 77 Summer
Fish M. J. & Sons, 161 Summer
Fitzgerald J. F. Const. Co., 533 O. S. bldg.
§Fox Benj. (Inc.), 15 Exchange
§Fuller Geo. A. Co. (Large), 131 State
Gascoigne J. & Co. Inc., 43 Tremont
Gibson Richard 65 Long Wharf
Gonia George Co., 2 Creek sq
Gow Chas. R. & Co. (Public Works), Park Square bldg
Graham John B., 8 Beacon
Griffin John F. & Co., 15 Exchange
Hardy & Streeter, 12 Pearl
Hartwell John M., 46 Cornhill
Harvey Geo. W. & Co., 115 Chauncey
§Holbrook, Cabot & Rollins Corp. (Bridges, Foundations & Dams), 6 Beacon
Holt-Fairchild Co., 7 Water
§Howes R. H. Const. Co., 10 Post Office sq
Hudson Constr. Co., 6 Beacon
Irwin Geo. C. & Co., 96 W Brookline
§Keyes W. H. & Co., 80 Boylston
Lawler Bros. (Heavy Mosonry, Public Works, etc.), 16 City sq, Chsn
Leighton-Mitchell Co., 99 Chauncey
†Ley Fred T. & Co. Inc. (Industrial & Monumental Bldgs.), 230 Boylston
§Locatelli J. E. Co., 46 Cornhill
Logue Chas. Building Co., 18 Tremont
§Macomber Geo. B. H. Co., 44 Bromfield
Malone Bernard (Mason), 163 Corey rd
Marr Daniel & Son Co. (Public Works), 384 Dor. av, S B
Marsch John, 18 Tremont
Marston R. H., 176 Federal
Mead Chas. H., 73 Fremont
Miller W. L. & Co., 77 Summer
§Mitchell & Sutherland, 18 Tremont
Moore & Co. (Waterworks & Public Works), 12 Pemberton sq
Nelson James E. Co., 7 Water
New England Concrete Constr. Co., 201 Devonshire
§Nicholson Jos. & Son, 101 Tremont
§Norcross Bros. Co. (Builders & Public Works), Tremont bldg.
Olympia Construction Co., 333 Washington
Palmer John E. (Grading), Old South bldg.
§Preble Walter H. Co., 11 Pemberton sq
§Proctor John H. & Co. (Coal Elevators, Cable Railroads, etc), Old South bldg
Ramsdell & Littlefield, Inc., 18 Tremont
§Reed Wm. T. Co., 201H Devonshire
§Root W. A. & H. A., 31 St. James av.
Rowe Contracting Co. (Public Works), 1607 Commonwealth av
•Seretto Michael (Sewer), 3 Tremont row
Simpson Bros. Corp., 77 Summer
Simpson Wm. S., Inc., 101 Milk
§Soule L. P. & Son Co., 80 Boylston
†Stone & Webster Engineering Corp., 147 Milk
Stuart T. & Son Co., 77 Summer
Sullivan J. H. (Road & Sewer), 20 Lake Br.
•Tomasello Antonio G. (Sewer, Road & R. R.), 69 Gibson
Tredennick Co., 10 High
Tufts George M., 20 Beacon
Turner Const. Co., 178 Tremont
Van Etten F. J. Co., 100 Boylston
Warren Bros. Co., 9 Cambridge
§Whitcomb Frank L., 17 Wareham
Whitcomb W. H. Constr. Co., 6 Beacon
Whitney Arthur C., 126 State
§Willcutt L. D. & Sons Co., 146 Summer
§Wilson & Tomlinson, 79 Milk
Wires E. Stanley Co., 120 Boylston
§Woodbury I. F. & Sons Co., 185 Summer

BROCKTON—Batson C. A.
Howard George B. & Sons Co.
Irving David Co.
§Lays Bros.
Long & McAuliffe (Masons)
Marlow & Eldridge
Peck & McKay
Powers Bros.
Sampson E. T.

BROOKLINE—Brookline Contracting Co.
§Cook John & Son (Masons)
§Driscoll Dennis
Driscoll J. & Son Co. (Public Works)
§Driscoll Timothy
Goodwin & Mitchell
Hennessey Bros.
McCue Thos. & Son
§O'Hearn M. J.

CAMBRIDGE—Barrett James T.
Byrne John B. Inc. (Mason)
Condon Wm. F. (Mason & Concrete), 218 Putnam av
§Dodge C. A. Co.
Eastman H. T. & Co.
Linehan Chas. (Public Works)
McGahey & O'Connor (Masons)
Powers John J., 33 Myrtle av
Scully John T. Foundation Co. (Concrete Foundations, Buildings, etc.)

CHELSEA—Haley Michael S.
Rendle Stoddard Co.

CLINTON—Clinton Concrete Co.

EAST HAMPTON—Cullen John
Pepin Delos T.

FALL RIVER—§Beattie & Cornell (Builders & General)
§Beattie Roy H. (Engr. & Contr.)
§Bolduc Leander (Building, etc.)
§Booth & Chase Co., Inc. (Wharf)
§Crowe John Co.
§Darling Joseph M.
§McNally Const. Co. (Concrete, Brick, Steel, etc.)
§Moore Daniel

FITCHBURG—§Carter Wm. C.
§Hartwell Walter A.
§Hutchins Wallace J.
Leger Supplein J.
Moran John (Excavating, Grading, etc.)
§Wiley & Foss

FRAMINGHAM—Framingham Constr. & Supply Co.
Framingham Contracting Co.
McNeil & Son
Prindville J. J. Co.

GLOUCESTER—Day John W. & Son
§Pomeroy E. A.
Pomeroy John S. Co.
§Watson Bros.

HAVERHILL—§Cole N. S. & Son, Inc.
Duffee W. F. & Co.
Haverhill Const. Co.
Kelley Bros.
Roche John M.
Shannon E. F.

HOLYOKE—§Fowles J. H. & Son
Goddard Vallis V. (Mason)
Kennedy P. J. & Co.
§La France L. A.
§La Liberte Bros.
§Lynch Bros. Brick Co.
O'Connell's D. Sons (Waterworks & Public)
O'Neill J. J. Co.
Ranger Casper Const. Co.
Walsh Maurice J. & Sons

LAWRENCE—Bourque Constr. Co.
Cyr John & Co. (Masons)
§Locke L. E.
§Peabody E. A. & Son
§Pike W. N. & Sons (Large)
§Pitman Ernest W. Co.
§Wagenbach Jos. & Son

LEOMINSTER—Smith Edgar M.

LOWELL—Cazanas Nickoloas
Dickey Leroy W.
§Drapeau Wm.
Johnson Thos. W Co.
§Mealoy Fred
Mendlek Bros.
Morin J. B.
§O'Hearn P.
Robinson & Robinson
Sawyer Avila
Smith E. A. & A. T. (Concrete Paving)
Snow Samuel E.
§Staples Bros.
•Ward W. H. Co. (Public Works)
§Whittet James
§Wiggin Burton H. Co.

LYNN—Bryer A. E. Contr. Co. (Excavating, Sewer, etc.), 461 Western av
Campbell Bros., 99 Sagamore
Cunningham C. S. & Co., 23 Central av
§Hardy Harry E., 148 Burrill
§Hart Bros., 36 Pacific
Lyons Michael F. & Co., 10 Pond
§Manning James E., 26 Beacon Hill av
Mayo Construction Co. (Public Works), 333 Union
§Sheehan David J. Co., 424 Broadway (Sewer)
§Swain Constr. Co., 67 State
Sheehan John W., 585 Western av
Vroom Bros. Co., 333 Union
Wright Chas. W., 23 Central av

(Continued on following page)

Contractors (Building & General)—Continued

MASSACHUSETTS—Continued
MALDEN—Lenehan Pat. H.
MELROSE—Lane Bros.
NANTUCKET—§Holmes & Co.
NEW BEDFORD—Bishop J. W. Co.
Buffington Arthur E. (Mason)
Davis Z. B. Corp
Sherman R. A. & Son
Sistare F. B. & Son
NEWBURYPORT — Cashman Bros. Co. (Roads, etc)
NEWTON—§Briggs Geo. M., Inc.
Joyce John T. (Excavating)
Stuart T. & Son Co. (Public Works)
NEWTON CENTER—Hurley Bros. (Grading, Roads & Masonry)
Lane & Maloney Constr. Co.
§Stevens F. W.
NEWTON HIGHLANDS—Sullivan T. D. & Sons Co. (Masons)
NEWTONVILLE—§Higgins W. S.
NORTH ADAMS—Phillips & Pyke
Whitney Chas. E.
Wood H. C. Co.
NORTHAMPTON—Bernier & Vanasse
Bishop Bros.
§Huxley Frank L.
Kieley & Gleason (Masons)
§Twohig Jas.
§Whiting Chas. W.
NORTH ANDOVER—§Costello D. J. Co.
Trombley Jos. & Son (Masonry)
PITTSFIELD—Emerson & Germain
§Foote & Jones
Pike D. Herbert
§Roscoe Edward F.
QUINCY—O'Brien Thos. & Sons
Shea William & Son (Excavating Grading, etc.)
Whelan Thos. & Co.
SALEM—§Flynn John J. Co., Washington
Peterson V. S. (Sewer, etc), 237 Essex
§Pitman & Brown Co.
Welch Jas. J. (Public Works)
SOMERVILLE—§Welch John & Sons
SOUTH HADLEY FALLS—§Harris Edgar T.
§Judd Burritt
SPRINGFIELD—Adams & Ruxton Const. Co. (Concrete), 387 Main
§Angers J. A. & Bro., 363 Eastman av.
Berlin Const. Co., 25 Sanford
Bushey N. C. (General & Bldg.)
Carlson Ernest F. Co.
Davis E. T. & Son (Masons), 398 Bridge
†Ley Fred T. & Co. Inc. (Industrial & Monumental Bldgs.), 495 Main
Mellen Daniel W. (Masonry), 293 Bridge
•New England Const. Co. (Railroad Only), 274 Main
Newton W. A. & Co., Mill River Lane
Pinney E. J., 374 Main
Ranger Casper Const. Co.
§Roy J. G. & Sons, 21 Silver
Sackett Bros Co. (Excavating, Grading & Sewer), 844 Worthington
Shea Daniel C. (Masons), 113 Spring
§Shea, J. L., 36 Dartmouth
Stephens A. E. Co., 33 Florentine Grdns.
§Wood L. S.
STONEHAM—§Cole George
SWAMPSCOTT—Lyons James T.
McDonough Mich'l Co. (Street & Public)
Tuttle H. Scott (Street & Public
TAUNTON—Briggs Abram T. (Heavy Masonry)
§Sullivan D. J.
§Williams Franklin D.
§Witherell L. M. & Sons
WAKEFIELD—Killorin Contr. Co. (Roads & Grading)
WALPOLE—Allen M. W. Const. Co.
WALTHAM—Bull Edward H.
Fisher L. Co.
O'Malley Peter J. (Excavating, etc.)
Purdy Wm. C.
WARE—§Cummings H. P. Const. Co.
§Lincoln J. N. & Son
WATERTOWN—Hutchins Arthur L.
Iliffe William H.
McCue Thos. J.
§Murdough A. B.
Theurer Otto A. (Cement)
WELLESLEY—Taylor Chas. N. (Water Works)
WELLESLEY HILLS — Croswell John (Sewers)
WEST CHELMSFORD—§Edwards & Monahan Co.
Fletcher H. E. Co. (Excavating, Bridge & Dam Masonry, Foundations. Stone Masonry, etc.)
WEST MEDFORD—Bayne W. A.
Graves Bros. (Masons)
WEST NEWTON—§Cotter Jere. & Son
Gannon Bros. (Masons)
§Jepsen Geo. L. & Son
WINTHROP—Nocetl Louis (Concrete)
WOBURN—§Corbett T. R. & Sons
McLaughlin D. & Sons (Masons)
WOODS HOLE—Swift E. E.
WORCESTER—Allen Robert C. (Sewer & Public), Park bldg
Bishop J. W. Co., 109 Foster
Buckley J. M. & C. J. Co., 128 Vernon
§Carr Geo. W. Co., 518 Main
Central Building Co. (Large), 58 Front
Cross E. J. Co., 82 Foster
§Faucher Bros. 58 Front
§Fiske-Carter Const. Co., 11 Foster
Groves L. M., 5 Jenkins
Higgins J. J., 340 Main
Kane Michael J. (Excavating, Grading, etc.), 44 Lakewood
Loftus John (Mason), 383 May
McDermott Bros., 83 Vernon
Marsh B. F. Co., 25 Crescent
Mellen Walter L., 41 Queen
Miles Jas. & Sons Co. (Masons), 393 Main
§MINER EDWARD F. BUILDING CO., 25 Foster
Ohlson O. F., 10 Brunswick
Power John J., 15 Ashland
Roberts J. J., 4 Wal.
§Robbins A. P. & Son, 58 Front
§Rocheford L. & Son, 44 Front
Ward E. D. Co., 82 Foster
Wells G. A., Shrewsbury
Whitehead Ernest, 62 School

MICHIGAN.

ADRIAN—Dibble Chas. E.
Matthes Bros.
Matthes C. F. & Son
ALPENA—Gebhardt, Morrow & Co.
ANN ARBOR—§Biggs Wm.
Cole A. R. Co.
Clancy W. J. (Paving)
Koch Building & Supply Co.
§Sauer Charles A. Co.
BATTLE CREEK—Cole S. B.
Gillis Chas. H. & Son
Tait John H. Co.
BAY CITY—Campbell Hugh & Son (Masonry, etc.)
Hewitt Ernest C.
Meagher Wm. J. & Co.
Millar Allison R.
§Richter Chas A.
Weber Henry C. Constr. Co.
BENTON HARBOR—Mills G. A. & Son
CALUMET—Milford W.
Roehm Paul P.
Ulseth Edw.
CHARLOTTE—Beach Mfg. Co.
§Clever Constr. Co.
DETROIT—Austin Co., 2201 First Nat'l Bank bldg.
Baker J. H. & Son, Old Whit bldg
Baker R. D. Co. (Paving), 1454 Penobscot bldg
Barber H. J., 7308 Waterloo,
Bartholomaei Max Son & Co., 1574 E Warren av.
Bennage & McKinstrie, 429 Wayne
Burley, Geo. A. Co. (Road), Smith & Kearsley
Christman H. G. Co., 713 Antoinette
Cooper Frank N. & Co., 6370 Gratiot
Cooper-Widenmann Constr. Co., 4612 Woodward
Corrick Bros., Owen bldg.
Culbertson & Kelly, 872 W Milwaukee
Davis Frank H., Penobscot bldg.
Dupuis A. J. Co. (Docks, etc), Ford bldg
Finn John & Son, 7720 Plymouth rd.
Goddard F. H., 2130 Franklin
Haberkorn J. H. A. Co., 2436 14th
Harcun & Co., 3042 Russell
Harrison Louis A., Ford bldg.
Hart A. J., Penobscot bldg
Hazelton-Clark Co., Book bldg.
Jackson E. D. Const. Co., 5930 Commonwealth
Jeynes & Affeld (Sewer), 1208 Ford bldg.
§Johnson Fred R., 1180 Law
Keller C. Co., 4628 Moran
Kutsche A. W. & Co., 333 State
Leszcyuski E., 2469 Forest E.
Maclean Building Co., Smith bldg
Mercier Raymond A., 5435 Wesson
Miller Wm. W., Kresge bldg.
Misch Otto Co., 159 E Columbia
Moynes Jas. A. & Co., 901 Milwaukee W
Osgood David J. Co., Dept. H., 814 W Elizabeth
Otis Cement Const. Co., Hammond bldg
§Pauli Frank M. Co., 1074 Shipherd
Pocock W. S. Co., 1715 Chicago
Porath Julius, 903 Free Press bldg.
Rose Albert A., Penobscot bldg
Schneider Bros., 7826 Richmond
Smith A. J. Constr. Co. (Dams, Viaducts, Office & Factory Bldgs.), 408 W Fort
Southwick-Pom. McFate Co., St. Jean & Shoemaker
Spicer Edwin, 2641 Carson
Spicer & Shook, 6440 W Fort
Talbot & Meier, 250 W Lafayette
Vokes & Schaffer, 1200 Wash. Bl. bldg.
Walbridge Aldinger Co., Penobscot bldg
Whittaker John & Co., 1559 Church
Williams I. H., 2147 Hubbard rd
Winter H. G., David Whitney bldg
Winters Everett Co., Book bldg.
Wood W. E. Co. (Power Plants, Factory & Mercantile bldgs., etc.), Ford bldg
GRAND RAPIDS—Bunker G. W. Co.
Hoertz Chas & Son
McNabb Jno. & Son (General)
Prange A. H.
Rusche J. P.
HANCOCK—Gauthier August
Verville A. J.
HOUGHTON—Gundlach H.
Hildibrandt Frank
Michels J. J.
Smith Sparks Co.
IRON MOUNTAIN—Hoose & Person Const. Co.
IRONWOOD—Olson & Bergquist (bldg)
Oxman & Son
ISHPEMING—Erickson Louis & Son
Wahlman Construction Co.
JACKSON—Bradt Harry J.
Brooks T. C. & Sons Co. (General)
North Bradshaw Co.
KALAMAZOO—Byers Bros. Const. Co.
Heystek-Baker Constr. Co. (Paving)
§Miler-Boyer Co., 226 Pratt block
Tanis E. & Son
Van Der Horst Henry L.
LANSING—Christman H. G. Co.
Neller Louis
MANISTIQUE—Ramsey W. S.
MARQUETTE—Powell & Mitchell
Van Iderstine C. C.
MUSKEGON—Buck & Mullen
Burke, Smith & Nelson
Hughes John & Son
PORT HURON—Crawford Archie
O'Sullivan James & Sons Co.
Smith Andrew J. & Sons
SAGINAW—Creswell E. B. (General)
Davies J. C. (Sewer, Paving, etc.)
Kerns Jas. S. & Son
Ryckman Albert H.
Spence Bros.
ST. JOSEPH—Kingsley Chas. E. (Mason)
Stock M. W.
Williams Chas. E.
SAULT SAINTE MARIE—Durocher Thos. L.
Great Lakes Dredge & Dock Co. (River & Harbor)
Hunt M. N.
Irwin John B.
TRAVERSE CITY—Lather Geo.
WYANDOTTE—Soncrant Leon

MINNESOTA.

AITKIN—Foley D. A. & Co.
Gleason W. J. Co.
Small W. H. & Son
ALBERT LEE—Anderson Bros.
Hansen John F.
Tapager Christian M.
Wilson James C., P. O. Box 217
AUSTIN—Berry & Beckel
Donovan Wm.
BRAINERD—Rowley C. B.
DULUTH—Anderson & Gow
Barnett & Record Co. (Engineers & General)
§Bergquist Bros.
§Bowe-Burke Co.
§Brown H. C.
§Carlson Frank A.
Clough D. H. & Co.
§Danielson Chas.
Duluth Diamond Drilling Co.
Duluth-Superior Dredging Co.
§Fawcett William
Frederickson C. G. (General)
§Grandy John
Great Lakes Dredge & Dock Co. (River & Harbor)
Hansen Richard
Jacobson Bros.
Johnson Frank L. & Co.
§Johnson Otto
Kileen Thos. & Co.
King W. F. & Co.
Linden Construction Co.
§Lounsberry Geo. H.
MacLeod & Smith (General)
Molitor J. D. & Bro.
§Nauffts Theo.
Pastoret Construction Co.
Pearson Olaf & Son
§Ramstad Louis
§Schleunes J. F.
Smith & Vokes (General)
Stack Constr. Co.
§Thorburn Thomas (General)
Zauft Emil
FARIBAULT—Brown Benson
O'Neil John P.
O'Neil Wm. & Son Co.
§Peltier C. H.
FERGUS FALLS—Lamson-Gray Construction Co.
Lauritzen John Co.
Minnesota Cement Constr. Co.
HIBBING—Longyear E. J. Co. (Drill)
McKusick J C.
Winston-Dear Co.
MANKATO—Neitge Otto
Nelson J. B. Construction Co.
Widell Co.
MINNEAPOLIS—Albinson Const. Co., 302 5th av
American Bridge Co., 629 S E 2nd
Amer Wrecking & Contr. Co., Inc., 2511 Washington av N
Anderson A. & Son (Municipal), 354 Plymouth bldg
Anderson Albert, Plymouth bldg
§Anderson Fred Co., 2810 Bryant av, S
Anderson-Nelson Const. Co., 610 First Nat-Soo Line bldg.
Andren J. H. (Cement), 4035 2nd av S
Archer H. & Co., 314 S 10th
Bailey O. P., 608 Builders Exchange
•Balch H. F. & Co., Phoenix bldg
§Baltuff Jos. M., Metropolitan Bk. bldg.
Barnett & Record Co. (Grain Elevators & Heavy bldgs.), Flour Exchange
Beck Engng. Constr. Co., 1137 Plymouth bldg
Betzler Geo. J., 2622 Marshall (Cement)
Billingsley R., Plymouth bldg.
Bracker Constr. Co., 638 Builders' Ex.
Brown Jas. H. Co., 511 S Third
Bruce Nels, 512 McKnight bldg
Carlson & Johnson, 5925 Pleasant av.
Carlsted Bros., Bldrs' Exchange

§Cedarstrand Aug. & Co., 5712 Clinton av.
§Chadwick C. H., 3024 Pleasant av.
§Comb Fred R., 207 Labor Exchange
Cooper E. B., Lumber Exchange
§Crawford W. M. & Co., 1021 1st av. N
Crown Sidewalk & Block Co., 2500 N E, Washington
Davis C. A., 2632 Dupont av. S
Day, Hjalmer (Cement), 3925 Chowen av S
***Doughterty J. P., Globe bldg**
Elliott J. & W. A. Co. (Public Works), Lumber Exchange
Evenson Utterberg, Bldrs' Exchange
Evensta E. G. & Co., Bldrs' Exch.
Evers Hugo, 656 Builders' Exchange
Farnam Construction Co., 5047 Gladstone av S
Fegles Constr. Co., 706 1st av
Fleisher Constr. Co., 606 Bldrs. Ex.
Fleisher Louis Co., 504 Plymouth bldg
Floyd M. A., 535 Andrus bldg
Frankman Bros. Bridge & Constr. Co., Metropolitan Life bldg
Ganley Ernest M., 1002 Plymouth bldg
General Contr. Co. (Paving), Plymouth bldg
Giguere Peter C. & Son, 641 N E 4th
Glassberg Henry, 422 N. Y. Life bldg
Glassberg Moritz, 932 Hennepin av
Glassberg Samuel, 422 N. Y. Life bldg
Grahn & Bathurst, 638 Plymouth bldg
Great Northern Bridge Co., 225 Kasota bldg
Groves S. J. & Sons (Grading), 303-306 Globe bldg
Haglin C. F. & Sons, 232 Labor Exch.
Haglund V. E. (Cement), 1350 Washburn av
Hall Patterson Bldg. Co., Lumber Exch
Halladen P. O., Plymouth bldg
Hanlon & Okes, Lumber Exchange
Hegg F. N. 2943 Nicollet av
Hennepin Bridge Co. (Bridges, etc.), 922 Laurel
Ibberson T. E., Corn Exchange
Ideal Cement & Constr. Co., 2912 Loury av N
§Jeub Herman, 2206 Oliver av N
Johnson J. A. & Co., 115 S 6th
Johnson Nels (Cement), 5008 Zenith av
Jones & Hartley, 829 17th av S
§Klarquist S. M. & Son, Security Bank bldg
La Crosse Dredging Co., 405 Plymouth bldg
Lasley W. M., Temple ct
Lathrop T. A., 418 Central av, S E
§Leck H. A. Co., 2511 5th av S
Leck James Co., 311 S 7th
Lees R. E., 303 6th av S E
Leighton H. N. & Co., 127 S 10th
§Libby & Libby Co., 244 2d av S
Libby T. & L. D. Co., Temple ct
Longyear E. J. Co. (Diamond Drilling), 710 Second Bk
Lovell W. D., 1415 E 8th
McCoig Harry L. & Co., 348 McKnight bldg
*McCullough & Cheney, Temple ct
Macdonald Builders, 544 Builders' Ex
Madsen Construction Co., Bldg' Ex.
Minneapolis Bridge Co. (Bridges), Met. Life bldg
Moffet C. W., 3008 4th av S
National Contracting Co., 311 Met Bk bldg
Nelson N. W. & W. A. Co., 400 Temple Court
***Nelson Peter, Temple ct**
Nord Co., 2627 Taylor
Northern Dredge & Dock Co., 428 Met Bk bldg
Oyen O. O., 718 S 4th
Palmer Fred A., 3003 Hennepin av
Pelton R. B., 2906 Clinton av
§Peters Home Bldg. Co., 654 McKnight
Pehrson Bros., 555 Temple ct.
Phelps-Drake Co., 719 Met Life bldg
Pike & Cook, 416 S 5th
Plymouth Paving & Const. Co., 720 Plymouth av
Pollard L. E. Co., 425 S 5th av
Robinson J. L. Co., 511 S 7th
Sanitor Constr. Co., 3050 4th av S
Schommer J. N., 403 6th av S
Schruth & Jackson, 633 Plymouth bldg
Schwartz G. & Co.
Shiely J. J. Co. (Excavating)
Sholl Julius Co., 126 S 9th
Stahr B. H. Co., 401 Met. Bk. bldg
Standard Constr. Co., Plymouth bldg
Suhring Wm. E. Co., 100 W Lake
Tyler & Co., 2730 Nicollett av
§Vertz Geo. R. & Co., 4034 2nd av. S
Victorson Constr. Co., 126 S 9th
Walgren Bros., 3048 10th av S
*Winston Bros Co. Globe bldg
Winston-Dear Co.

MOORHEAD—Fridlund A. J.
Kall P. J. (Brick)
Merritt W. H.

NORTHFIELD — Northfield Furnace Co. (Galvanized Colony Hog Houses)

RED WING—Carlson J. P. (Cement, etc.)
Longcor W. J.

ROCHESTER—Heffron & Fitzgerald
Maske & Matzke

ST. CLOUD—Heinman John
Kropp Carl
Wahl Ed. M.

ST. PAUL—Ash C. & Sons, 202 Maria av
Baumeister Wm. C., Pioneer bldg
Becker Geo. F., 160 W 4th
***Boynton & Church, Merchants National Bank bldg**
Butler J. W. & Bros. Co., Central Bk bldg
***Deeks Deeks & Smith, Exch. Bank bldg**
§Ericksen A. G., 404 N Prior av
Fielding & Shepley (Sewer Grading, Paving & Bridge), 216 W University av
***Foley Young & Peabody, Merchants Nat'l Bank bldg**
§Frandsen H. J., 510 Rice
Fransen Nels P. & Co., Endicott bldg
Grant G. J. Const. Co., Exch. Bank bldg
***Guthrie A. & Co., 336 Jackson**
Hoy W. J. Co., Metropolitan bldg
Ingemann Co., 1930 St. Anthony av
Kees G. A. Domestic Engng. Co. (Sewer)
Keough Bros., 2655 Mississippi River boul
Lauer Bros. (Heavy Masonry, etc.), ft of Chestnut
McManis & Tarnoski, Endicott bldg
*McMenemy R. A., Central Bk bldg
***Morris, Shepard & Dougherty (Railroads, Bridges, etc.), 3rd & Waconta**
Murphy Wm. M. & Son, Endicott bldg (Excavating)
Norlander Fred C., Merchants Nat. Bk. bldg.
*Oakes Geo. W. & Co. (& Bridges, etc.), Endicott bldg
Poppenberger Wm. & Son, 735 York (Plasterers)
Romer F. J. Construction Co., 190 Ramsey
§St. Paul Bldg. Co., 460 Rice
***Siems-Carey Co., German Life bldg**
Shield J. L. Co., Flat Iron bldg (Excavating)
Thomas A. C., Guthrie Construction Co., Shubert bldg

STILLWATER—Olsen O. H. (Public Work)

VIRGINIA—Grande Andrew
Roberts-Kingston Contr. Co.
Shaver W. B.
Virginia Bldrs' Supply & Contracting Co.

WILLMAR—Haley Philip J.
Olson J. H.

WINONA—Beecker K. J.
Becker K. J.
Brom Martin
Huseman Fred
Knopp John
Lohse John
Seiditz & Werner

MISSISSIPPI.

JACKSON—Dickson A. L.
Hardy H. K.
McGee W. J.

VICKSBURG—Boult R. W. (Contrs. Bldg. & General)
Curphey & Mundy
Harris H. H. (Contrs. Bldg. & General)
Howard R. R. (Contrs. Bldg. & General)
Pendergraft E. W. (Contrs. Bldg. & General)
Zollinger V. T. (Concrete)

MISSOURI.

CAPE GIRARDEAU—Bender L. W. & Son
Kochtitzky Otto
§Rabich Herman
Vogelsang Bros. Const. Co.

COLUMBIA—Crist G. D.
Fellows John N.
Miller Frank P.
Stewart Bros.

FARMINGTON—McCarthy Lumber & Const. Co.

JEFFERSON CITY—Mace Chas. G. (Ament)
Pope Joseph
Schneider Henry
Stone & Stone
Wolff Bros.

JOPLIN—Bane & Hoffman
Delter & Wenzel Constr. Co.

KANSAS CITY—Arkansas Bridge Co. (Bridges, etc.), 1503 Waldheim bldg.
Bradbury Edwin H., 441 Sheidley bldg.
Breitag L. & Son, S. W. Linwood & Benton
§Brown Geo. L. & Son, 1300 Rialto bldg.
Collins Bros., 1600 Grand
Fowler L. A. & Sons, 1813 Campbell
Gosling John, Railway Exchange bldg
Groves Walter B., 2120 B'way
Halpin-Dwyer Const. Co., Ry. Exch. bldg
Hamrick C. W., Mutual bldg.
*Hoffman J. W. & Co., Bryant bldg
Hucke Geo. & Sons bldg Co., Scarritt bldg
Hunt Engineering Co. (Cement), New York Life bldg.
Jones Hettlesater Const. Co., Mutual bldg
Kansas City Bridge Co. (Bridge & Stone Piers), Orear-Leslie bldg
Kansas City Const. Co., 120 Spring
List & Weatherley Constr. Co., Ry Exch. bldg
Long Const. Co., Rialto bldg
Lonsdale Bros., Bryant bldg
Lovitt C. W., 1015 E 33d
McMurray J. W., Contr. Co., Railway Exch.
Maley & Kelly Contracting Co., Mass. bldg
Marshall C. W. Const. Co., Reserve Bank bldg
Midland Bridge Co., Railway Exchange
Miner J. R., Grand Ave Temple
Mosby-Goodrich Constr. Co., N. Y. Life bldg
Nilson Carl A. Mill & Cab Facty., 4216 Euclid av
§Parker-Washington Co. (Sewers, Grading, Paving, etc.), 2309 Pennsylvania
Peck Frank C. & Son, Railway Exchange bldg
Rau Gus, 1815 Harrison
Raymond Concrete Pile Co. (Concrete), 616 Huntzinger bldg.
Rowland L. M., Bryant bldg
Siedhoff Geo. H. Constr. Co., Finance bldg
§Swenson Const. Co., Shubert Theater bldg
Van Sant J. R. Const. Co., Dwight bldg
Winn E. L. Const. Co Ry. Exch. bldg

MEXICO—Gamble L. M. F.
Powell B. A. (Concrete)

MOBERLY—Lynch-McDonald Const. Co.
Murphy P. J. (Grading)

ST. JOSEPH—Buddy Phil. P. Bldg. & Const. Co.
*Hotchkiss Sam
Land Const. Co. (Concrete)
Metropolitan Paving Co.
Reinert Bros. Const. Co.

ST. LOUIS—Abadie E. H. (Engrs. & Contrs.), Victoria bldg
§American Contracting Co., Title Guaranty bldg
American Press Brick Co., 6500 Easton av (Brick)
*Bambrick Bros. Const. Co., 5229 St. Louis av
Barwick Investment & Construction Co., Fullerton bldg
Black Jas Masonry & Contracting Co. (General Contractors & Engineers), Arcade bldg
Boland John V. Const. Co., Chemical bldg
Bright J. H. Contr. & Bldg. Co., Title Arcade bldg
Bruner P. M. Granitoid Co., Frisco bldg
Carmichael Wm. P. (Eng. & Contrs.), Thornby pl.
Carroll Contracting Co., Wainwright bldg
Chapline Const. Co., Wainwright bldg.
Craig Plastering Co., 816 Olive
Crosby H. W. Contr. Co., 4048 Evans av
Cunliff Charles, Title Guaranty Trust bldg
§Dickie Construction Co., Syndicate Trust bldg.
Duffner & Steker Const. Co., 119 N 7th
Excelsior Press Brick Co., 1010 Chestnut (Brick)
Fehlig Const. Co., Theresa av & Hickory
Frein Masonry & Contrg Co., 3803 Forest Park blvd
Fruin Colnon Contr. Co., Merchant-Laclede bldg, Dept H
Gamble Const. Co., 620 Chestnut
Gerhard E. C. Bldg. Co., Century bldg.
Gillespie & Daly (Mason), International Life bldg
Gilsonite Contracting Co., Wainwright bldg
§Godfrey Jas. A. & Co., Wainwright bldg
Graner-Mahoney Contracting Co., 2318 Tennessee av
Granite Bituminous Paving Co., Rway Exch. bldg
§Grewe John Construction Co., 3520 Chippewa
§Grone Louis H., Benoist bldg
Haeseler A. H. Bldg. & Contr. Co., 6369 Uydown
§Hall, Mackay Construction Co., 625 Locust
§Hamilton C. E., Lackland E of Woodson
*Hannan P. J. Co., Boatman's Bk. bldg.
Harvey-Burden Const. Co. (Concrete), Central National Bank bldg
Heman Constr. Co. (Sewer & Public), Title Guarantee Trust bldg
*Hill John Const. Co. (Sewer, Paving, Waterworks & Masonry), Syndicate Trust bldg
Hinchman-Renton Const. Co., 211 N 7th
Hirsch H. O., Wainwright bldg
Kellerman Contracting Co., H., De Mun & San Bonita
Kiel & Daues Bricklaying & Contr. Co., 4030 Chouteau
Kremer & Voirol Const. Co., Century bldg
Lloyd H. Bldg. & Const. Co., Odd Fellows bldg
McClure R. P. Const. Co., 717½ 2601 N Union
§McCormack Charles B. & Sons, 318 N 8th
McCormack-Combs Const. Co., Columbia bldg
McMahon Jno. F., Title Guaranty bldg
Manegold Contr. Co., Navarre bldg
Mississippi Valley Const. Co., De Menil bldg
Missouri Granite & Const. Co., 3410 Gratiot av
Moreno-Burkham Const. Co., Syndicate Trust bldg

(Continued on following page)

Contractors (Building & General)—Continued

MISSOURI—ST. LOUIS—Continued
Morey Richard, 5236 Washington
§Morrison R. W. Const. Co., International Life bldg
Murch Bros. Const. Co., Railway Exchange bldg
P-K Engineers (Power Plants), 1906 Pine
Parker-Washington Co. (Engrs. & Contrs.), 6161 Maple
Pelligreen Const. & Inv. Co., Grand & Park av
Perkinson Bros. Construction Co. (Telford & Public), 3237 Carter av
§Prendergast-Clark Construction Co., 915 Olive
Riley Wm. F. Const. Co., Victoria bldg
Rugg Constr. Co., Compton bldg
Ruprecht W. & F., 8011 S B'way
Sauerbrum Const. Co. (General), Century bldg
Schirm F. Contr. Co., 4336 College av
Settle J. C. & Co., Pontiac bldg
Simpkins Wm. H., 5337 Delmar
Sinclair Quarry & Constr. Co., Wainwright bldg.
Skrainka Construction Co., Security bldg
Smith, Grant & Co., Merchants-Laclede bldg
§Steininger E. A. Construction Co., Lac. Gas bldg.
Stiers F. A., 4512 Morgan
Superior Press Brick Co., 3190 S Kings Highway (Brick)
*Thompson J. W. (Bridge Masonry, etc.), Boatmen's Bank bldg
Toft M. J. Const. & Realty Co., Benoist bldg
Tower Grove Quarry & Const. Co., 5927 Fyler av
Unit Construction Co., Pontiac bldg
Ward T. J. Const. Co., 1514 Olive
Ware J. A. Const. Co., Boatmen's Bank bldg
Warren Bros. Co., Railway Exchange bldg (Paving)
Webb-Kunze Const. Co. (Grading, etc.), 5927 Fyler av
Western Waterproofing Co. (Waterproofing), 604 Syndicate Trust bldg
Westlake Const. Co., Ry. Exch. bldg
Wiederholdt Construction Co., H, Bank of Commerce bldg
Wimmer Contracting Co., Victoria bldg
*Wise J. H. Constr. Co., Victoria bldg
Woerman Const. Co., Syndicate Trust bldg
SEDALIA—Detjen & Son
Faulkner Frank G.
Johnson Thos. H.
Thomas M. O.
Warren J. C.
SIKESTON—Heisler Frank
Murry Construction Co. (Large)
SPRINGFIELD—Compton A. A.
*Hedges Construction Co.
Jarrett Construction Co.
Jarrett-Richardson Paving Co.
Pauly & Ipsen
Springfield Planing Mill, Lumber & Const. Co.

MONTANA.

ANACONDA—Calnan T. C.
Clifton-Applegate & Toole
Johnson & Law
BILLINGS—Bayer Harry, Inc.
Findlay Robert, 3921 1st av
Gagnon & Co.
§Lindstrom & Oren
McElray & Holmden
Ross & Sawver
§Savarsey Frank
§Seebod & Thomas
§Vincent H. G.
FORT BENTON—§Hagen Henry
GREAT FALLS—Gagenstrom Bros. Contr. Co.
Jarl C. O.
Lease M. Theisen Co.
Ness & Theisen Constr. Co.
HELENA—Adami Bros.
Dryburgh John
Jacoby & Son
MISSOULA—Peppard O. E.

NEBRASKA.

BEATRICE—§Kilpatrick Bros. & Collins Contracting Co.
BENKELMAN—Christensen J. H.
FALLS CITY—American Construction Co.
LINCOLN—Assenmacher W. J. Co.
§Birchard Construction Co.
Harrison T. P.
§Jensen Louis
Olson Construction Co.
LOUP CITY—Ohlsen John & Son
OMAHA—Almquist Frank, 3644 Seward
§Bailey W. C.
Balser C. J., 401 S 49th
Beck Alex & Sons, 401 Keeline bldg
Black Jas Masonry & Contracting Co., 1502 Douglas
Borchman A. Sons, 1718 N 33rd
Callahan Walker Constr. Co., 322 Peters Trust bldg
Carlson John A., 3220 Hamilton
Condon Geo. W., Tarran bldg
Creedon Joe, 2887 California
Deverell W. P., Mead bldg
Gould F. P. & Son, City Nat'l Bk. bldg
Harte John H., 1609 Webster
Henningsen Engng. Co., 12th & Harney
Herd Thos. & Son, 814 S 33rd
Jacobsen & Co., 713 S 25th
Katz Constr. Co., 1817 Douglas
Kettler Anton Constr. Co., 2316 Fontenelle blvd
Kiene Geo. & Co., Am. Builders' Exch.
Kiewit Harry, 1148 S 29th
Kiewit's Peter Sons, 754 Am. Nat'l Bk. bldg
Laufenberg Harry, 813½ S 20th
Lof John & Sons, Am. Builders' Exch.
*Lomoreaux Bros. Co., Brandeis Theatre bldg
Minkin Morris, 2640 Decatur
Murphy Hugh Construction Co. (Municipal Work, etc.)
Nelson O. F. & Son, Am. Builders' Exch.
Nordstrom E., 5004 Nicholas
Olsen H. E. & Son, Am. Builders' Exch.
Omaha Steel Wks. (Bridges)
§Parsons Grant, Keeline bldg
Peterson Walter, 309 Wilkinson bldg
*Phelan & Snirley
*Pollard & Campbell
Redgwick Wm., Am. Builders' Exch.
Soderberg J. L., Am. Builders' Exch.
Standard Bridge Co. (Bridges), City Nat'l Bk. bldg
Tedrow R. B., 1613 Leavenworth
Vrana Jos. E., 1956 S 15th
Wakefield John E., 454 Brandeis Theatre bldg
Wind A. M., 517 Sunderland bldg
Western Bridge & Construction Co.
SOUTH OMAHA—Carter N. E., 2614 Main
Sorensen H. P., 13th & Harrison
TECUMSEH—Intermountain Bridge & Const. Co. (Street, Road, etc.)

NEW HAMPSHIRE.

CLAREMONT—§Beckwith Hira R.
COLE BROOK—§Hicks A. C.
Young Ellsworth D.
CONCORD—§Horne & Hall
§Hutchinson Bldg Co.
Rowell & Plummer (Masons)
Swain Chas. H. & Co.
Virgin Wm. E. (Masons)
EPPING—Manchester R. E. & Mfg. Co.
LACONIA—General Contracting Co.
Wallace Bldg Co.
MANCHESTER—Brunelle Arsene
Bunton & Bernard
Demers Joseph C.
Kennedy & Peterson Construction
Laberge Alphonse (Mason)
Martel L. E.
Provost F. T. & Co.
Shattuck L. H., Inc.
NASHUA—Fowell Wm. & Son
Holt Duane F. & Son
Kennedy & Peterson Co.
Nashua Bldg. Co.
Osgood Cons. Co. (Waterworks, Sewer, etc.)
Weston J. H. & J. S. (Masons)
PORTSMOUTH—Trefethen E. W. (Sewer, etc.)

NEW JERSEY.

ALLENHURST—Fielder Elbert O.
ARLINGTON—Salmond Scrimshaw & Co.
ASBURY PARK—Chamberlain J. & Sons
Leaw Bros. (Concrete)
Mooney Elwood W.
§Smock Benj. L.
§Taylor I. R. & Co.
ATLANTIC CITY—Abacus Const. Co.
Atlantic Const. & Supply Co.
Baldwin Z. T. & Son
§Beaumont Wilbert
Bowen Richard T.
Buckley Ellwood
Cramer Augustus
Crosta Edward A.
Cunningham Frank M.
Ferry James Co., Inc., Dept. H, Virginia & Mediterranean avs
Goff Garner T.
§Hampton Bros. Co.
Hannum Philip G.
§Headley Samuel H.
§Higbee Wilbur S.
Hill Dredging Co. (Harbor & Public)
Holland E. J. Constr. Co.
§Knauer Newton W.
Mathis, Hiram, 120 Atlantic av
§Mathis J. & Son
Moore Alfred
Murtland Christopher G.
Nichols Martin S.
§Scull Bros.
§Scull Harry G.
§Smith Ellsworth E.
Taylor W. G. & Son
§Thompson Bros.
§Tilton Chas. P.
§Young Nicholas W.
ATLANTIC HIGHLANDS—§Carhart Construction Co.
Wells Wm. L.
Woodward John & Co.
AVALON—§Kates Geo. W.
BAYONNE—Brady Bros. (Large)
Brady's Jas. Sons Co.
Gottko J. & Sons (Masons)
Grant J. W.
Herbert Thos. & Son (Masons)
McCabe Bros.
Pharo J. A.
White Michael
BEACH HAVEN—Butler Wm. L.
§Grant & Crammer
BELMAR—§Hutchinson Forman S.
§Pierce H. Frank
BERNARDSVILLE—Dick & Monaco
§Dobbs Jos.
BLOOMFIELD—§King Hugh D.
§Moormann Bros. (Masons)
Sempier John
BOUND BROOK—McNabb John
BRIDGETON—Barnes & Mixner
Bridgeton Construction Co.
Grosscup & Sons
Maier Geo. & Bro.
Sharp Leander
BURLINGTON—Norcross J. J.
Williams H. H.
CAMDEN—§Anderson Gustavus
§Bachmann Geo.
§Barcklow & Fulton
Dick Wilmot
§Draper James W.
Harden Frank J.
§Hensgen Bros.
§Kelley John M. Contracting Co.
Makel John
Mockett Constr. Co.
Patchett Oscar
Post H. L. & Son
§Ratcliffe Griffith
Stant, Benj. F.
Taylor C. F. Co.
Wagner Philip
Ward Aaron & Son
CAPE MAY CITY—§Hanes Jos. H.
York Bros.
CLOSTER—Bell W. H.
Taveniere & Johnson
CRANFORD—Loveland L.L.
EAST NEWARK—Van Keuren & Son
EAST ORANGE—§Grobert Henry
§Kelley & Boland
Struck Fred M.
Tobin Richard L. Co.
ELIZABETH—**ANCHOR BUILDING CO.** (Plastering, Masonwork, Boiler Selling & Concrete Paving)
See adv index at end of book
Barnes & Van Bergen
Byrnes Michael Bldg. Co.
§Clifford Wm. &Sons Co. (Building)
§Fisher S. L. & Son
§Flocken Chas. (Building & General)
McCloud Wm. J. & Co. (General)
§Slakin H. A.
Warren Jas. W. Bldg. Co.
§Wilhelms H. Sons
Winans C. H. Co.
ENGLEWOOD—§Bogert Chas. A.
§Bried Jas. L.
Brucker Charles
Mackenzie R. H.
§Vignaux W. A.
§Westervelt J. S.
FAIR HAVEN—Smith A. E.
Smith G. W.
FAR HILLS—Layton Jos.
Moore Wm. R.
Pantley Wm. (Mason)
GLEN RIDGE—§Higgins Thos. H.
GRANTWOOD—Scioli Nicola
HACKENSACK—§Collins Geo.
§Ferber Constr. Co.
Humphrey E. C.
Long F. R., W. G. Broadhurst Co.
§Voorhis C. A. Constr. Co.
Whyte Wm. H. Constr. Co.
HARRISON—§McEvoy Bros.
HOBOKEN—§Farrell M. & Son
Rath Robert J. (Mason)
Waddington R. & Son (Street & Public), 617H Adam
Whalen James
Whan Alexander
HOLLY BEACH—Scully C. J.
IRVINGTON—Dorer John (Excavating & Grading)
JERSEY CITY—Baker Wm. (Sewer, Paving, etc.), 137 South
Byrne Henry (Public Works), 392 Mercer
§Connelly P., 13 E Hamilton pl
Connolly M. T. Contrg. Co. (Public), 238 17th
§Crone A. W. & Sons, 498 Central av
Delatush Henry Co., 562 Newark av
Flaherty E. J. Contrg. Co., 76H Montgomery
§Gavin & Doris (Masons), 273 Grand
Grosklaus John & Son, 299 Old Bergen rd
§Hackett M. & Sons (Masons), 224 Griffith
Hahn Henry, 247 Summit av
§Harrington T. Cont'g Co., 558 Montgomery
Hudson Concrete Const. Co., 452 Montgomery
Jewkes Jos. & Sons, 676 Montgomery
McDonough H. (Mason), 265 Bergen av
Mannix Jas., 25 Gilchrist
Nevins Oscar W. Co., Pavonia & West Side avs
Robertson Wm. & Son, 15 Exchange pl
Rode W. C., 153 Garfield av
*Ross P. Sanford (River & Harbor), 277 Washington
Shannon J. H. & R., 538 Bergen av
Stillman-Delehanty-Ferris Co., 26 Exchange pl
Tumulty P. Jr., 59 Brunswick
Whyte Wm. R. (Mason), 36 Oakland av
Wright & Kowalsky, Grove & 19th (Concrete)
KEARNEY—§Dunn Jas. J.
Smith Geo. Jr. (Concrete)
LONG BRANCH—§Hughes R. H.
Melee Owen J. (Bridges, Docks, etc.)
Schoenthaler Edward
§Woolley Geo. & Co.

LYNDHURST—Burke W. J.
MANTOLOKING—Stillwell Jos.
MILLVILLE—§Chambers A. J.
§Hoffman Henry (Mason)
§Hoffman Jas. S. (Mason)
MONTCLAIR—Boon N., 291 Orange rd
§Boxall Geo. W. (Mason)
Carlson J. S. & L. Co.
§Clark Allison P. Co.
Fusco Donato (Sewers)
Gibbs Fred W. Contracting Co. (Street & Concrete Work)
Myers G. Edward C.
§Nelson Nels P.
§O'Neill Edward C.
Osborne & Marselylis Co. (Roads)
§Ring Edward D.
§Sims Benj. G. (Excavating & Grading)
MOORESTOWN — French Walter S. (Sewer, etc.)
Rogers J. S. Co.
MORRISTOWN—§Collins John D. (Mason)
§Dalglish Robert
De Coster, Mills & Co.
Grupelli Eney
Lyons Jas. J. (Mason)
§Reeve & Burr
Sturgis Bros. (Masons)
NETCONG—Allen Engng. & Contr. Co.
Gallo Bros.
NEWARK—American Concrete Steel Co. (Concrete work), 29 Clinton
Baer H Co. (Cement Const.), 842 S 19th
Becker Const. Co. (Concrete), 361 Grove
§Becker L. C. & Son, 415-13th
Blanchard Wm. L. Co., 45 Poinier
Calumet Iron Wks. (Structural Steel), 3 Hyatt av
§Clarks A. H. Son (Masons), 45 Clinton
§Connolly Wm. H. Co. (Mason), 196 Market
§Cooper Chas. S. (Mason), 20 Clinton av
De Camp & Sloan, Inc., 168 Pengtn.
Dey J. F. Co., 11 Highland av
Duckworth-Crawford Co. (Excavating & Road, etc., 111 High
Egan Cement Paving & Const. Co., 490 S 13th
Enstice Bros., 111 Academy
§Essex Constr. Co., 9 Hackett
Fatzler Fred Co., 15 Chelsea av
Goeller Chas. Constr. Co., 18 Walnut
Handlowitch J. (Cement Const.), 579 S 19th
Harrison H. L., 31 Clinton
Hedden Chas. R. Co., Prudential bldg
Jackson Contracting Co., Inc., 113 Vesey
§Kilgus Fred, 13 S 6th
Licht Adam, 80 Alyea
*Linde & Griffith Co. (Bridges, Concrete, etc.), ft. 4th av
McGee D. W. Constr. Co., 142 First
MacPhee Bros., 1045 Bergen
Milmoe Alex J., 83 Littleton av
Milone Const. Co., 508 Sandford av
New Jersey Cement Const. Co., 365 Park
Newark Masons Contracting Co., 156 Ridge
Newark Paving Co., 133 1st
*O'Gara Construction Co. (Road, Paving, etc.), 244 Market
Oschwald Bros. (Masons), 845 Broad
§Petz Constr. Co., 63 Underwood
Pitts Co. (Paving), 58 E Park av
Reynolds Const. Co., 308 S 9th
Robinson Jas. E. (Engineering), 274 South
Robinson Jos. A. (Paving), 87 Madison
Schaedel & Bro. Co., 118 Bruce
Schubert's Jos. C. Sons, 364 S 11th
Shanley J. F. Co., 31 Clinton
Shaw Jno. W. & Son Co., 29 Vermont
Van Keuren & Son, 501 Passaic av
Vanderhoof Peter & Sons Co. (Masonry, etc.), 285 Broada
Varley Geo. & Sons, 29 Hudson
§Waldron Edw. M., Inc., 27 Cent. av
Waldron E. M. & Co., 84 S 6th
NEW BRUNSWICK—Conway Martin
Jelin Abraham
Rule Geo. B.
Sebolt Conrad
Utility Constr. Co.
OCEAN CITY—§Corson Leander S.
Sutton & Corson Co. (Roads, etc.)
§Townsend Otis M.
OCEAN GROVE—Minton Bros. (Masons)
ORANGE—Edwards W. F. & Co.
§Hay Wm. A.
§McElnea David
Nelson Const. Co. (Concrete)
§Preiss & Co.
Soverel S. H. & Co.
†Wright & Lindsley
PALMYRA—§Shade John W.
§Shaner Geo. W. & Sons
PASSAIC—Baker Wm.
Berridge Bldg. Co.
O'Leary J. J. Co.
PATERSON—Breen Leonard M. Bldg. Co., Doremus Bensen Co., Governor & York av
§Ferguson Jno. W. Co.
§Gleek Albert & Son (Masons)
Pittet Felix G. (Mason)
Platt Wm. L. Const. Co.
Sanitary Constr. Co.
Sharpe Joseph Const. Co.
Sullivan & McNally Co.
§Tanis Nicholas (Mason)
§Van Houten A. B. & Son
Van Kirk P. S. Co. (Mason)
Verdiun Abraham (Mason)
PERTH AMBOY—Christensen Carl C.
§Christensen Fred. Constr. Co.
Crouse Ira R.
Graham & McKeon
Meagher & Smith
Mercer Geo. W. Coust. Co.
Wester Jens N.
PLAINFIELD—Abbott John C.
Burke Jos. F. Co.
Manning Jas. C.
Milne Alexander
Pangborn's W. H. Son (Mason)
Tallamy B. F. &Bro.
PLEASANTVILLE—Adams Chas. S.
Adams Winfield
Yates James
PRINCETON—§Dempsey & Dempsey
McCarthy & Sons Co.
§Matthews Construction Co.
Stillwell S. H.
Warren Benj. R. & Sons
RAHWAY—§Lamphear Henry L.
Weldon Contr. Co.
RED BANK—Burd Chas. E.
§Earling, Johnson & Fiske Co.
Monmouth Contracting Co.
Scott & Scott
Scott & Yetman (Masons)
Thompson & Matthews Co.
RIDGEWOOD—Christopher J. H.
Phillips & Sons
Zabriskie P. L.
RUTHERFORD—Ahrens, Claus & Co.
Van Roden Frank
SEA ISLE CITY—§Arnett Edw. B.
§Delaney J. P.
§Pfeiffer Clarence
SOMERVILLE—§Gunzelman & Cramer
Hardgrove Wm. (Macadam & Public)
SOUTH ORANGE—§Becker Henry & Sons (Masons)
Ganzelman & Cramer
Heller Jno. M.
Kernan R. H. & Bro.
SOUTH VINELAND—§Brown Arthur
SPRING LAKE—Moore H. H.
STONE HARBOR—Larsen Contr. Co.
SUMMIT—§Gilchrist Davis D.
Heims F. W. (Masons)
§Kelly & Boland
Lamb John J.
§Stryker A. A. & Son
TENAFLY—Brewster Geo. M. & Son
Westervelt Geo. E.
TOWN OF UNION—Dennehy Thos.
De Riso Bros.
§Vroman J. E. Co.
TRENTON—Bugbee Newton A. K. & Co.
§Burton & Burton (Masons)
Case Andrew J.
Dugan Dan A.
Hurley Jno. H. (Sewer, etc)
Lawton Lewis & Son (Masonry, Kiln Bldrs)
Martin Jos.
Mather S. W. & Sons
§Morris W. J.
Reeger Ed
Rees, Taylor & Co., Inc. (Concrete)
VERONA—Bahr Chas. (Excavating & Grading)
Brown Ed. B.
Farrand Teo. S.
VINELAND—Foulk Walter L.
WASHINGTON—§Lance Arch
WEEHAWKEN—Roman Otto E.
WEST HOBOKEN—Clinton Constr. Co.
Kleinke Aug.
Murphy Jos. & Son
WEST NEW YORK—Mazzoni R.
WEST ORANGE—Fritz W. G. Co., Inc., 256 Valley rd
§McElnea Henry
§Vogel Adolph
§Wolfe & Jelson
WILDWOOD—§Bonham Winchester
McEwen Jos. Jr
§Reeves Mark B.
WOODBRIDGE—Treen John, Jr. (Mason)
WOODBURY—Allen Thompson
Best Jas. B.
Henry Edw P.
WOODSTOWN—§Seagraves & Purtel

NEW MEXICO.

ALBUQUERQUE—§Gertig E. A.
§Hayden A. W.
§Lemke E.
McGaffey Co.
McQuade J. W. (Building, etc)
Sawtelle M. P.
SANTA FE—§Campbell Bros.
§Digneo Carlos (Mason)
§Windsor A.

NEW YORK.

ALBANY—§Bame & Cardell, 628 Park av
§Braun Frank & Son, 23 Beaver
Cassidy & Gallagher, 73 Elm
§Collins J. M., 45 Malden la
Dollard M. F. (Grading)
§Dyer Jno. Jr., 17 Steuben
§Farrelly Thomas P., 6 Fulton
§Feeney & Sheehan Bldg. Co., 164 Montgomery
Finn James J. & Son, 75 N Boulevard
Gander A. & Sons, 14 Osborn
§Hunter Thomas, 196 Morris
Kantrowitz Morris, 20½ Market
§Keeler Peter Bldg Co., 425 Orange
Kennedy Constr. Co., 138 Washington av
§McCann Building Co., Sheridan av & Dove
§Nolan James C., 357 Orange
§Panzieri-Hogan Co., Inc., 90 State
Pasquini Attilio, 208 Sherman
Randerson John P. (Dredging, etc), 51 State
§Ryder M. L. Bldg. Co., 362 State
§Sayles, Wm. & Son, 264 Hudson av
§Sewell John P., 378 Morris
§Sheehan Wm. G. Const. Co., 28 De Witt
§Signal Const. Co., 562 B'way
§Soden Charles, 303 Third
§Stephens Thos. & Sons, 275 Lark
United Const. Co. (Bridges, etc), 27 James
§Waldbillig John B., 400 Second
ALBION—Belson Henry C.
§Buell Ward S.
§Grear P. L.
§Harris Geo. D.
§Hucknall Thos. (Road)
§Phillips Fred, Sr. (Mason)
AUBURN—§Brayer Bros., Smith block
§Defendorf Chas. J.
Koon E. B. & H. J. (Masons), 31 Mill
Shaver Bros.
§Smith & Pearson, Dept H
§Williams Luke
BABYLON—Howell E. W.
BATAVIA—§Cummings J. C.
§Dellinger Edward
Ditzel & Ward (Masons)
§Glade John & Sons
§Pickert John
BINGHAMTON—Beers Constr. Co., 333 Water
Davis & Coleman Co., Inc.
Gaylord Engng. & Constr. Co.
Jones-Beers Co.
§Lewis John L.
Mitchell & Co.
O'Neil Geo. F.
O'Neil Jas.
Parsons Constr. Co., Inc.
Tyne & Willey
Willey A. L.
BROCKPORT—Cleveland & Sons Co.
BUFFALO—Anderson Aug. E., Prudential bldg
Austin John M., Brisbane bldg.
Barnwell C. P. Contracting Co., 398 14th
Battaglia Frank C., 232 Colvin
Bauer John & Sons Co. Inc., 130 Goodell
Baynes William J. Co. Inc., 1433 Niagara
Bellanca & Sorge Const. Co., Inc., Morgan bldg
Bergner & Co., 64 Terrace
Berrick's Chas. Sons Co., 1151 Main
Borkenhagen Alfred, 75 Freeman
Bournique Ray A., 607 Ellicott sq.
Brown Thos. Contracting Co. (Excavating, etc.), 1135 Niagara
Buffalo Dredging Co. (Dredging, Sewer, etc.), D. S. Morgan bldg
Buffalo Structural Steel Co., 166 Dart
Burgard Henry P. Co. (Sewer & Public), 1968 Fillmore av
Burger Robert E., 1366 Amherst
Byers James N. & Son Inc., 700 Main
Campbell Albert A., 400 South Pk. av
Carr Wm. H., 584 W Utica
Chesley & Heinback, 20 Breckenridge
Chilcott Walter, 11 Mesmer av
Cohen Frank L. Co. Inc. (Paving), 702 E Ferry
Cold Spring Constr. Co., 835 Ellicott sq
Constantine Constr. Co., 7 Exchange
Cowper John W. & Co., Fidelity bldg
Culliton Wm. C., 2079 Main
§Dadswell Arthur L., 334 E Ferry
Danforth John W. Co. (For Mechanical Equipment), 70 Ellicott
Dark & Co. (Sewer, etc.), 306 Franklin
Davis James G. & Co., 956 Ellicott sq
Derdenger Const. Corp., Electric bldg
Dill Wm. H. Co., 153 Masten av
*Eastern Concrete Steel Co. (Reinforced Work, Sewers, etc.), D. S. Morgan bldg
Erie Bldg. Co., Delaware & Olive
Erie Contr. Co., Morgan bldg
Federal Concrete Co. (Concrete), 667 Wyoming av
Felton Construction Corp., 1450 Michigan av
Forrest Chas., 156 W Huron
Frailey J. & Bro., 451 Pearl
Friedman F. J. (Mason), 53 Fox
Frontier Contr. Co., Morgan bldg
Gibbs John W., Morgan bldg
Hager E. M. & Sons Co., 141 Elm
Harrison Engineering & Constr. Corp., Ellicott Sq.
Henrich's Wm. Sons Co., 193 Spring
Hibbard Frank W., 16 Elmview pl
Horton D. E. Const. Co. (Pile Driving, Dock Crib & Trestle), Prudential bldg
Hughes Geo. M., 156 Wesley
Hydro Construction Co., Mutual Life bldg
Johnson John Constr. Co., 765 Abbott rd
§Kempf Geo. Sons, 823 Virginia
Klopp John F., 73 Allenhurst rd
Knibb F. H. & Son, 122 Summit av
Knickenberg Fred. W., 702 Michigan av
§Krantz John J., 66 Briscoe av
§Lanctot Clyde H., Ellicott sq
Lathrop, Shea & Henwood Co., 428 Ellicott sq
Lenz John A., 1004 Humboldt pkwy
Linwood Constr. Co., 210 Franklin
Maltby Geo. W. & Sons Co., 21 Maryland

(Continued on following page)

Contractors (Building & General)—Continued

NEW YORK—BUFFALO—Continued
Metz Bros. Co., 1295 Fillmore av
Metz Valentine J. & Son, 37 E North
Metzger Const. Co., 676 Genesee
Metzler Wm. G. (Mason), 28 Paul pl
Monarch Engng. Co., Cham of Com bldg
Morris & Allan Inc., Prudential bldg
Mosier & Summers (General), 1266 Seneca
Mumm Fred J., 410 Oschawa av
Palmer John W., Brisbane bldg
Parks Geo. & Sons Co., 217 15th
Peckham Const. Co., Inc., Crosby bldg.
Progressive Structural Steel Co., 504 Bailey av
Richter Joseph & Son, 863 Glenwood av
Rock Asphalt & Constr. Corp., Morgan bldg
Roos Edward H., 584 Lenwood av
Rossney Contrg. Co., 73 W Eagle
Schaaf Co., Miller av & West Shore R.R.
Schaaf George, Belmont av.
Schultz Geo. S., 896 Humboldt pkwy
Stanley Constr. Co., 6 S Division
Steinmiller Geo., 168 E Delavan av
§Stokes Bros., 50 Brayton
Suor & Suor Co., Main & City Line
Sweet Frank, 277 Woodbridge av
Tifft Constr. Co., Iroquois bldg
Tunmore A. E., 496 W Utica
Turner Construction Co., 11 Goodell
Volk Albert E., 118 Herkimer
Wagner Peter & Son, 384 Herman
Wilkes Oliver C., 1113 Elmwood av
Williams Robt. E., Jackson bldg
Wittig A. F., 294 Bailey av
Zoee John A., 398 Bird av
CANANDAIGUA—Rouse George & Son
Smith Hugh M. & Son
CATSKILL—Holdridge Geo. W. & Co (Street)
CLYDE—Tuck C. H.
COHOES—Buchanan Wm. D.
Byron, Forman & Riggs, Inc.
Grattan T. F. Co.
Neary J. H. & Sons
O'Clair John
CORNING—Corning Building Co.
§Drehmer H. G.
§Runner D. M.
CORNWALL—§Cornwall Industrial Corp
Mead & Taft
CORTLAND—Beers & Warfield (General)
DOBBS FERRY—§Creedon Michael
Hasbrouck Garrett
Odell Geo. W.
DUNKIRK—Aldrich Benj. F.
Dunkirk Const. Co.
Dunkirk Mason & Contr. Co.
Lake Shore Constr. & Supply Co.
Meister Contr. Co.
§Richardson Ernest F.
§Taylor John A.
Union Builders Co-Operative Contr. Co
ELMIRA—§Cunningham John
Lowman Construction Corp.
McGreevy Eugene, Robinson bldg
Pulford Dempsey Const. Co.
Thurston & Haskell
Welliver W. H.
FREDONIA—Goggin Patrick
Lyne S. T. (Paving & Sewer)
Sardeson John
GENEVA—Benjamin Chas K.
Brennan J. W. Constr. Co.
Dove Wm. G.
Finn Jas. E.
Frautz Wm. H. (Mason)
Henry J. G.
Henson R. W.
Hilkert A. B.
Nagel Samuel
GLENS FALLS—§Acker J. Fred
§Dubee A. J.
§Fredella Jos.
Glens Falls Brick Co.
Glens Falls Portland Cement Co
Llewellyn-Smith Const. Co., M. & F bldg
Rhinelander R. H.
GLOVERSVILLE—Banker A. M. (Paving etc)
Blowers Frank L. (Cement)
Brace A. E. Construction Co
Brott H. R. (Mason)
§Dye John K.
§Dye Walter F.
§Finkle J. J.
Lair John M.
Little & Craig
GREENPORT—Reeves W. H. & Co.
HARRIMAN—§Harriman Industrial Corp
HAVERSTRAW—Carson & Furman
Springsteen Bros.
HERKIMER—Newport Const. Co.
HORNELL—Dennison Lee
Greenfield Constr. Co.
Spink Wm. H.
Tucker Seth L.
HUDSON—Cruise Thos.
Panigot C. W.
Van de Carr & Stacy
Weaver Bldg. & Supply Co.
HUDSON FALLS—Flood & Van Wirt Co
Kingsbury Const. Co.
ITHACA—Driscoll Bros. & Co.
Hillick James Co.
Perry Geo. W.
Spencer & Spencer
§Swartwood C. J.
JAMESTOWN—Benedict & Swanson (Masons & Excavating)
Calahane Jas. P. (Sewer & Conduit)
Chapman & Graham, Inc.
Haas Chas. C.
Jamestown Construction Co.
Lawson J. F.
Mahoney Thomas (Paving, Sewer)
Mahoney & Swanson (Bridges, Concrete)
Shellberg & Lawson
§Swanson Chas.
Warren Construction Co.
JOHNSTOWN—Currie Marvin & Son (Mason)
§Hess Jonah
§Howarth G. H. & Son
§Nolan Bros.
§Seaman Jas. & Son
§Simmons P. M.
KINGSTON—Campbell & Dempsey Co (Public Work & Masonry)
Dederick A. E.
Hunt Bros.
Mauterstock Albert
Osterhoudt P. C. & Co.
Swart Elmer E.
LACKAWANNA—Crosta J. H.
Strack Fred C. (Sewers, etc.)
LANCASTER—Adolf Joseph
Ott Bros. (Paving, etc)
Wendell Michael
LAWRENCE—Smith John H. Co.
LITTLE FALLS—Berrigan William J
Hallinan Bros. (General)
McCaghey P. B. Co.
LOCKPORT—§Blackley L. J.
Moon John
Nottleman Wm. J.
O'Brien Andrew M.
Stainthorpe C. N. & Co.
Whitney Harry E. (Concrete)
LYONS—Bramer E. L.
Sherman, Stalter
MALONE—§Duffin John
MEDINA—Lindke John
Sanucci Paola (Mason)
Schuyler J. P.
Soucie A.
MEMPHIS—Paddock Frank E.
MOUNT VERNON—§Barbaresi A. & Son
§Borgwald Wm.
§Durr Sebastian
Evans S. T.
Guarino Contr. Co. Inc.
§Haag Jacob
Jenks & Plume (Masons)
§Kain Jas. R.
§McCarten A. J.
Nordone Frank
§Robinson Harry J.
§Robinson W. J.
§Sergeant Wm. H. (Mason)
Stolz A. G.
§Tegan Owen J.
Transit Constr. Co.
§Ulteht A. A.
Weldon Geo.
NEWARK—Schuman O. E.
NEWBURGH—Creveing Whitfield
Metrusty, David (Mason)
Newburgh Planing Mill Co.
Parrott Wm. (Dock & River)
Theall W. L.
§Tweed & Woodruff
Wilson J. D.
NEW ROCHELLE—Bantel M. (Mason)
Cameron Peter A.
§Doyle John
Ensinger Contr. Co.
§Kirchoff A. G. J.
New F. J.
Peterson Bros.
Pioneer Contr. Co.
§Thompson John N.
§Watson Geo.
Wilks-Casey Engng. & Contr. Co.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Amsel Constr. Co., Inc., 927 Broadway
Anderson John D Sons, 952 Grand av
Ashfield F. J. (Large, 350 Fulton
Borough Development Co., 186 Remsen
§Brown Henry J & Son, 1534 Fulton
§Brown Rufus H. Inc., 365 Pearl
§Bruchhauser Henry & Son, 130 Ellery
Buckley Washington Inc., 666 Kent av
§Calder Wm. M., 1653 Nostrand av
Cashman John J., 70 Rutland rd
Clarke T. A. Co., 122 Livingston
§Cleary Peter (Large), 115 Marion
Cranford Charles, 186 Remsen
Cronin Barth S. Co. (Dock & Public Works), 573 Clinton
Donegan D. Co., 5904 14th av
§Dooley C. L. Inc., 257 Adelphi
Driscoll Geo. F. Co., 548 Union
§Ferguson Robt. B. (Large), 254 Lee av
§Fraser & Borau, 1775 Fulton
Gahagan Walter H. Inc., 147 Remsen
Gallagher Frank J., 490 Park pl
§Greenman Wm. B., 350 Fulton
§Guthy Peter, 852 Monroe
Hossack Bros., 62 Schermerhorn
§Hough Sam'l L. (Large), 344 Roebling
Jung Fred'k, 816 Evergreen av
Kennedy Wm. Constr. Co., 215 Montague
Kleinert Albert E., 316 Flatbush av
Kordes Hy. E., Central av
McCormick Thos. E., 810 Lincoln rd
§McGarry W. P. Co., 292 Freeman
§MacArthur Jas. Co., 22 Ormond pl
§Maguire Edward J., 1263 Atlantic av
§Miller Wm. G., 16 Bedford av
Nelson John F., 2830 Bedford av
Newman & Carey Sub. Const. Co., 105 Court
§Norton & Gorman (Public Works), 301 Douglas
Otis H. F., 476 Grand av
§Roberts, Nash & Co. Inc., 93 Amity
Rocker Henry, 225 Jamaica
§Rush Frank H., 393 Greene av
§Scala Vincent, 118 1st pl
§Schlachter Henry, 60 Mayfield rd
Schubert Bernard, 155 Jamaica av
Shipley Constr. & Supply Co., 42nd & 2nd av
Silver Construction Co., 352 Butler
§Smith Howard J. & Son, 256 St. James pl
§Smith & Thompson, 47 Park pl
Strype Richard, 40 Coffey
§Thatcher Jno. & Son, 60 Park av
Thompson Wm. R., 825 Marcy av
Tunison Willard E., 262 Greene av
Veit Herman, Inc, 260 De Voe
Whitley Fred'k N., Inc., 215 Fulton
Zimmermann Louis, Quers

Manhattan and The Bronx.

NEW YORK—§Abbott E. T. Construction Co., 303 W 43rd
Adams Chas J. & Sons, 308 W 20th
§Adamson J. H., 57 Ann
Ambursen Constr. Co. (Dams, Bulkheads, Power Houses & General Hydraulic Const.), Grand Central Terminal
§American Bridge Co., 30 Church
§Amsterdam Building Co., 138 E 44th
Architectural Contrg. Co., 126 59th
Asphalt Construction Co. (Paving, etc), 2197 Madison
§Auletta Constr. Co., 103 Park av
§Austin Co. (Industrial), 217 B'way
Barney-Ahlers Construction Corp., 110 W 40th
Barstow W. S. & Co. (Gas, Electric & Power Plants), 50 Pine
Beaumont G. B. Co., 286 5th av
Beaver Engng. & Contr. Co., 51 Church
§Beers Isaac, Times bldg
Bergen & Lindeman 140 Liberty (Chimneys)
Berlin Construction Co., 220 B'way
Best H. D. Co., 949 Broadway
§Bing & Bing Constr. Co., Inc., 119 W 40th
Bishop J. W. Co. (Bldg, etc), 101 Park av
Bitoslag Paving Co., 90 West
Booth & Flinn Ltd., 17 Battery pl
Bouker Contracting Co., 17 Battery pl
Bradley Contracting Co., 175 5th av
§Brady John T. & Co. (& Masons), 103 Park av
Brennan Peter J. & Son, 624 Madison av
Breuchaud Jules, 290 B'way
§Bistoslag Paving Co., 90 West
§Broderick Edmund D., 110 W 40th
Brown Elliot C. Co., 70 E 45th
Bryson Thos. B., 52 Vanderbilt av
Buckley Jeremiah, 2233 Creston av
Buckley Thos. J. Construction Co., 303 5th av.
Burnett Engng. & Const. Co., 525 W 142nd
Carleton Co., 151 W 42d
§Carlin P. J. Const. Co., 1123 B'way
Casey Richard H., Inc. (Large), 246 W 16th
Cauldwell, Wingate Co., 381 4th av
Cement Gun Constr. Co., 25 Church
Central Station Equipment Co., 114 Liberty
§Champion & Levien, Inc., 43 E 10th
Colon George & Co., 81 E 125th
Comerma Co., 114 Liberty
Communipaw Co., 95 Liberty
Comstock L. K. & Co., 21 E 40th
§Conners Bros. Co., 15 W 91st
Conrady M. J., 475 Greenwich (Masons)
Consolidated Telegraph & Electrical Subway Co. (Subway, etc), 54 Lafayette
Construction Service Co. (Engrs & Contrs), 40 W 40th
Contessa Vito, 311 E 119th
Cook F. A. & Son (Mason), 152 W 38th
Cook F. A. & Sons, 125 W 40th
Cornell J. N. H., 29 B'way
§Corning Edward Co., 145 E 45th
§Corson George W. & Sons, 210 E. 39th
Cotter T., 2364 Tiebout av
Cox P. T. Contracting Co., Inc., 154 Nassau
§Crawford Wm., 5 E 42d
Crimmins Thos. Contracting Co. (Excavating, Municipal and Public), 126 E 59th
Crockett W. & W. F., 9 E 59th
Crockett W. & W. F., 306 E 59th
Crow Wm. L. Const. Co., 103 Park av
§Cruishank Clinton M., 17 E 42nd
Cunningham T. Co. (Sewer & Public), 608 E 15th
§Cunningham & Foley Inc., 14 W 45th
Curtin-Ruggles Co., 39 Cortlandt
§Daarf Contrg. Corp., 517 W 36th
§Dall J. Const. Co., Grand Central Term.
Daniels Oscar Co., Woolworth bldg
§Deeves J. H. & Bro., 103 Park av
§Deeves Richard & Son, 145 E 47th
*†Degnon Contr. Co. (Public & Marine), 51 E 42nd
§Deisler J. G., 105 W 40th
Diebitsch Emil Inc., 70 E 45th
Dobbins Core Drill Co., 147 W 42nd

Dollan Jos. Contrg. Co., 576 Exterior
§Downey Jno. I. (Est. of), 410 W 34th
Dugan Geo. A. & Co., 200 Fifth av
Dunn & Sheridan, 241 E 36th
Durcan P. J. (Mason), 325 E 45th
§Durkin Jno. J., 401 W 59th
Eagle Building & Construction Co., 405 E 117th
§Eastern Const. Co., 110 W 40th
Egan Jas. F. Co., Inc., 162 W 20th
§Eidility Marc & Son, 41 E 42nd
Engineers Corp, 43 Exchange pl
§Exner Paul J. & Son, 109th & E. R
Ferguson Jno. W. Co., 294 Madison av
§Ferguson Thos., 453 W 148th
Figliuolo J., 719 Union av
§Fissell Wm. H. & Co., 1328 Broadway
§Flanagan Wm., 118 E 28th
Fleischmann Const. Co., 1650 B'way
Foundation Co. (Engineers & Contractors, Caisson & Bridge Foundations, Sea Walls, Excavations, Tunnels, Mine Shafts, etc.), 120 Liberty
§Fountain & Choate (Large), 114 E 23rd
Fox Henry E. Const. Co., 81 E 125th
Fraser-Brace & Co., 1328 Broadway
Fried Jos., 530 E 71st
Friestedt Underpinning Co., 243 W 36th
§Frymier & Hanna Co., 25 W 45th
§Fuller Elam H., 416 W Broadway
Fuller Geo. A. Co., 949H Bway
§Gabler Const. Co., 402 Hudson
Gallick Jos., 469 Concord av
Gallin Jno. & Son, 252 Front
§Gallagher & Co. (Mason), 520 W 142d
Galligan Thomas, Inc., 518 E 23d
Garvey Bros., 1911 White Plains rd
•General Contracting & Engineering Co. (Railroads, Piers, Docks, Bulkheads & Harbor Improvements), 40 Rector
§Gescheidt Jacob & Co., 142 E. 43d
Gest Guy M., 237 Broadway
§Getty Hugh, 359 W 26th
§Gilbert Wright L., 144 Chambers
§Giles Drilling Co., Inc., 30 Church (Core Boring)
•†Gillespie T. A. Co., 5 Dey
Goble Frank N., 49 Bloomfield
Godwin Construction Co. (Harbor Improvements), 130 E 144th
Goodman Patrick (Pipe Work), 943H Fulton
Grand Central Construction Co., 142H E 43rd
§Grant Contracting Co., 7 E 42d
§Green Warren E. Co., 70 E 45th
Gregorio Nicholas & Co., 4257 Byron av
§Groll P. J. Constr. Co., 145 E 53d
Grymes Engng. Co., 17 Battery pl
Guarantee Construction Co. (& Engineers; Complete Power & Industrial Plants), 93 West
Gussaroff Realty & Cons. Co., 601 W 149th
§H. & T. Constr. Co., 105 W 40
Hall Charles Ward, 339 Lexar
Handy Bros., 3040 Webster av
Hankin John & Bro., 223 Cherry
Harbater & Silk, 106 W 13th
*Harby Abrans & Melius, 270 Madison av
§Harperly Hall Co., Central P. W. & 64th
†Hatzell & Buehler, 373 4th av
Hazell A. M. Inc., 26 Cortlandt
Heaphy A. C., 306 W 102nd
Hearn John J. Constr. Co., 10 E 43rd
Helbock C., 633 Wales av
Henry Contracting Co., 633 W 47th
Herzog S. A. Construction Co., 299 Madison av
Hickey Contracting Co., 44 E 23rd
§Hines Frank H., 128 W 124th
Hoggson Bros. (Inc.), (Bank), 485 5th av
Holbrook, Cabot & Rollins Corp., 52 Vanderbilt av
Honolulu Iron Works Co. (Beet & Cane Sugar & Sugar Refinery Plant Construction), 233 Broadway, New York
§Hopper Thos. T. Co., 101 Park av
Horn Edward C. Sons, 1476 Broadway
§Howes R. H. Const. Co., 103 Park av
Hudson Companies, 111 Broadway
§Hughes Bros., 1 Madison av
§Hupfauf Herman, 552 7th av
•Hyde Frank D., 90 West
Indelli & Conforti Co., 847 Bryant av
Industrial Engng. Co. (Engrs), 30 Church
Jacob & Youngs, 116 W 32nd
Jarrett Chambers Co., 30 E 42nd
§Jennings & Welstead Corp., 148 E 33rd
Jobson-Gifford Co., 30 E 42d
§Johnson Chas. O., 240 10th av
§Johnson Robt. Inc., 204 E 58th
Kandel Concrete Co., 100 W 117th
Kearns P. J., Contracting Co., 2306 Creston av
Kennedy Jno. & Co., 1133 Broadway
Kenn-Well Contracting Co., 45 E 17th
Kerbaugh-Empire Co., 6 Church
Kerner Constr. Co., 950 Leggett av
§Kerwin Andrew J. Jr., 1819 B'way
§Ketcham Tredwell, 424 E 165th
Kidde Walter & Co., Inc., 140 Cedar
§Klappert's C. W. Sons, 328 E 25th
§Kleban Louis E., 1714 Crotona pk F
Knight & De Micco (Excavating), 448 E Tremont av,
Knopp Bernard, 156 E 47th
§Kovalsky Bros., 7 E 42d
§Krulewitch E. M., 45 W 34th
§Laimbeer John Jr., 103 Park av
Lanigan Bros., Bronx River & 165th
Lanman Wm. H., 29 W 39th
Lawless Bros., 1072 3rd av
Lawrence Contrg. Co., 2339 Morris av
Leahy Thos Bldg. Co., 3107 Broadway
§Leddy & Moore, 70 W 40th
Leonard Const. Co., 51 Maiden Lane
Leopold J. & Co., 233 Broadway
†Ley Fred T. & Co., Inc. (Industrial & Monumental Bldgs), 19 W 44th
§L'Hommedieu's J. H. Son & Co., 132 Madison av
Lippe Contracting Co., 17 W 60th
§List Alex. & Sons, Grand Central Term.
Logan Construction Co., 13 Park Row
§Lustbader Construction Co., 101 Park av
§Lustig & Weil, 103 Park av
§Lynch Constr. Co. Inc., 1 Pershing sq
§Lynch V. & Co., 13 Park Row
§Lyons J. C. Sons Co., Grand Central Terminal
McCarthy Jas. F., 80 N Chambers
McCullen-Snare & Triest (Inc.), Lexington av & 131st
McDonald Chas. W. (Grading), 1910 Webster
McHarg-Barton Co., 1328 B'way
McKean's Wm. Sons (Masons), 200 E 37th
§McKeefrey John, 1416 Broadway
McKeown Thos. (Inc.), 103 Park av
McKune C. S. Co., 434 W 45th
McMahon John J., 20 W 34th
McMorrow Co., 149 W 72nd
McMullen Arthur Co. (Bridges, Caissons, Dams, Docks, Foundations, Piles, Railroads, Steam Shovel & Tunnels), 50 Church
McShane Jas. (Excavat'g), 251 E 62d
§McWalters Jas & Sons, 949 Madison av
MacArthur Concrete Pile & Foundation Co. (Concrete Foundations), 55 John
§Maher Frank W., 501 5th av
§Marmac Constr. Co., 314 W 31st
Marrin E. & J. Co., 520 E 18th
§Mason & Hanger Co., 17 W 60th
Matthews Construction Co., 103 Park av
Meads Chas. & Co. (Bridges, Lighthouses & Factories), 217 W 14th
Melrose Constr. Co., 103 E 125th
Meyer & Martin, 118 E 88th
Millbrook Co., 481 Morris Park av
§Miller-Reed Co., 103 Park av
§Mitchell Jas. E., 332 W 24th
Mongo Geo. & Son (Mason), 482 Jackson av
Monks John & Sons (Dock, Bridge & Harbor), 438 B'way
Monks-Ripley Pile Co., 438 Broadway
Moody Engineering & Construction Co., 90 West
Moore's A. Sons, 423 W 50th
§Morrison David, 238 W 30th
§Mueller John Co., 302 E 87th
Mufson M., 115 Norfolk
Mungo A., 391 E 149th
Murphy Constr. Co., 10H Wall
§Nash S. H. & Sons, 499 Willis
Naughton Const. Co., 76 William
New York Submarine Cont. Co., 15 Whitehall
§Niewenhous S. Inc., 316 E 161st
North Eastern Construction Co., 101H Park av
Nugent Construction Corp., 21 E 40th
O'Brien Bros. (Inc.), 233 B'way
§O'Brien P. M., 114 Liberty
§O'Connor Francis X., 314 W 47th
§Oddie H. H. Inc., 14 E 57th
O'Leary John, 2218 University
§Olsen O. Herman, 605 W 239th
•O'Rourke Engng. Const. Co. (Pneumatic & Other Foundation, Tunnels, etc), 17 Battery pl
§Oscawana Bldg. Co., 110 E 4nd
§O'Shea W. L. & G. H., 29 B'way
Page Fred. Contracting Co. (Mason), 47 E 17th
Paladino Contr. Co., 437 E 120th
Pasquini Attilio, 101 Park av
Patrizio & Hendrickson, 280 Madison av
§Paul Edw. E. Co., 101 Park av
§Pechworth C. H. & R. C., 1170 B'way
Pennington C. S., 438 W 45th
Pennington Prince A., 56 W 140th
Pettit S. P., 110 W 34th
Phillips & Worthington, 90 West (Water Works)
§Pittsburgh Bldg Co., 787 5th av
Pisanelli Gennaro, 3553 Olinville av
§Polhemus P. R., 110 W 34th
Post & McCord (Inc.), 101 Park av
§Potterton Bros., 215 W 28th
Prosnitz Glover Co., 103 Park av
Quatey J. S., 342 Madison av
Rafferty Contracting Co., 624 W 52d
Rapid Transit Subway Const. Co., 165 Broadway
RAYMOND CONCRETE PILE CO., 140 Cedar
§Reid M. & Co., 114 W 39th
§Reinhardt Bros., 218 E 9th
•Reynolds Clifford W., 50 Church
Reynolds T. H. Contracting Co., 50 Park pl
§Rheinstein & Haas, 21 E 40th
Rice Laurence J., 405 Lexington av
§Richmond & Daniels, Inc., 90 West (Cold Storage Plants)
§Roberts John B. & Co., 1170 B'way
§Robinson Andrew J. Co., 15 W 38th
Robinson Dwight P & Co., Inc., 125 E 46th
•Rodgers J. C. & Son, 271 W 125th
Rodgers & Hagerty Inc., 583 Broome
Rogers Geo. W. & Co. (Harbor & Dock), 29 B'way
Ross Donald, 311 W 39th
§Rossell I. S., 1 Madison av
§Ruddell Geo. W. Co., 1021 3rd av
Rust Engineering Co., 30 Church
§Ryan Patrick Const. Corp., 27 Cortlandt
Ryan Peter J. Bldg. Co. (Large), 314 W. 44th
†Sanderson & Porter (Power & Lighting Equipment, etc.), 52 William
Savage W. E. & Co., 56 Pine
Schmidt Wm. (Excavating), 627 E 221st
Schuh Chas. P. Inc. (Mason), 90 West
§Schwarzler A. J., 1340 Brook av
§Shapiro M. & Son, 1540 Broadway
•Shoemaker-Satterthwait Bridge Co., 256 B'way
Sinclair Rieger Co., 451 W 54th
§Sloane & Moller (Large), 316 E 65th
Smith Clarence L. Co. (Excavating, etc), 52 Van av
§Smith, Hauser & MacIsaac, Inc., 18
Smith & Leo, Inc., 101 Park av
E 141st (Excavating)
§Smith Robert W., Corp., 30 Church (Roads & Bridges)
Smyth Neptune B. (Inc), 417 E 34th
Snare Fred'k Corp, 114 Liberty
Soraci Contr. Co., 95 E 116th
Spearin George B (Dock, River & Piling), 90 West
Special Service Flooring Corp., 2009 Grand Central Terminal
§Spence James, 131 E 18th
§Staker Chas. E., 667 E 219th
Standard Bitulithic Co., 50 Church (Wood Block Paving)
Standard Contr. Co., 51 E 42nd
§Stanton Geo., 120 Worth
§Starret Bros., 103 Park av
Steers Henry Inc., 17 Battery pl
Sterling Paul M., 33 W 42nd
Stewart Engineering Corp., Grand Central Terminal
STEWART JAS. & CO. (Inc) (Harbor, Marine & Heavy Buildings), Madison av & 42nd
Stone & Webster, Inc., 120 B'way
§Story & Flickinger, 5 Gt Jones
Surety Engineering Co., Inc. (Railroad), 30 Church
Sykes George Co., Inc., 70 E 45th
Talbot F. M. Co., 2 Rector
§Taylor Wm. J. Co., 342 Madison
Terry Constr. Co., 602 W 52nd
Terry & Tench Co., Inc., Grand Central Terminal
Thompson-Starrett Co., 51 Wall
Thompson & Binger, 103 Park av
Tide-Water Bldg. Co., 16 E 33rd
§Trapp Nicholas H. & Son, 17 Thames
Tredennick M. C., 25 W 45th
Tullis & Blanchard, 326 E 42d
§Tully John J., 639 Cortlandt
§Turton J. K., 101 Park av
Turner Constr. Co., 244 Madison av
Underpinning & Foundation Co., 342 Madison
United Fireroofing Co. Inc., 8 W 40th
§United States Constr. Co., Inc., 1 Liberty (Installing Automatic Sprinkler Systems)
§Van Aken Chas. H. Co., 148 W 4th
§Van Doorn Wallace & Son, 604 W 49th
§Van Houten Erskine (Mason), 201 E 68th
Van Wagoner-Linn Const. Co., 143 E 27th
Vassiloros Contr. Co., 154 Nassau
Volk Albert A. Co., 16 Beaver
§Vought H. H. & Co., Grand Central Terminal
Waite Guy B., 413 E 31st
Waitt Constr. Co., 2 W 45th
Walton Const. Co., 103 E 125th
Waters Thos. J. Co., 271 W 125th
Watson Contrg. Co., 15 Park Row
§Watt & Sinclair, 348 W 27th
Weber Louis Bldg. Co., 50 Union sq
§Webster Louis C. & Son, 114 Liberty
§Weeks D. C. & Son, 347 Madison av
Wells Construction Co., 237 5th av
Wells & Newton Co. (Sanitary & Steam Engineering), Ave B & 17th
Wendland C. F. Engng. & Const. Co., 42 Bond
§Wennemer Construction Co., 103 Park av
†White J. G. Engineering Corp. (Inc.) Engineers & Contractors, Industrial Bldgs., Power Plants & Public Utilities), 43 Exchange pl
§Whitenack J. Odell, 231 W 18th
§Whitney Co. (Builders), 101 Park av
§Wills Chas. T. (Inc.), 286 5th av
Wills Egelhof Co., 224 W 47th
§Wills George B. & Co., 224 W 47th
Winternitz Albert, 103 Park av
§Wirsing & Son, 2110 Mohegan av
§Wolins & Bull, 599 Washington
Woods Lewis H. Constr. Co., 2355 Jerome av
Wright H. P. & Co., 207 E 43rd
Wright, Garret S. (Mason), 357 W 27th
§Yennie Wm. J. & Co., 350 Madison av
§Young Walter E., 414 W 41st
Zimmermann Jacob A. & Son (Inc.) (Large), 18 E 41st

(Continued on following page)

Contractors (Building & General)—Continued

NEW YORK—NEW YORK CITY—Cont.

Borough of Queens.

FLUSHING—§Cadoo John C. W.
§Haak Wm. A.
Mara P. J. (Docks, etc)
Peace Bros. (Grading, Excavating, etc), 20 Main
§Roberts, Nash & Co., Inc.
Tuohy T. F. & Co., 98 Main
JAMAICA—Bangert Valentine, 34 Orchard
Hoffman Chas.
LONG ISLAND CITY—§Bond Walter J. (Mason), 13 Hallett
§Butler Henry
§Clark & Tunison, 17 Queens
§Clifford Wm. Co. (General), 734 Vernon av
§Couch Wm., Main
Crimmins Thos. Contracting Co., 25H Crescent (see N. Y. City)
§Geiser Jos. & Son, 835 11th av
Just Geo. A. Co., 239 Vernon av
Kelly & Kelly, Inc.
§Sternberg J. & Son
Touroff & Karp (General), 83 Sunswick
Van Brunt William Co., Inc., 470 Borden av
Woodruff C. Curtis & Co., 211 10th
Woodruff John T. & Son, 1 Bridge Plaza
§Zvanovec Frank

Borough of Richmond.

MARINERS HARBOR—Bailey Wm. D. & Son
NEW BRIGHTON—Cahalane Daniel J.
Hart Charles F.
McIntyre Archibald
§Ripley David (Mason)
§Russell W. H. C.
PORT RICHMOND—Conklin Bros. (Docks, etc), 2080 Richmond ter
Donovan John E., 2205 Richmond ter
Hagaman Andrew
Milnes Jno. Co., Richmond av
§Whitford E. K., 1457 Castleton
STAPLETON—§Fish James
McDermott Wm.
Spruck Henry & Son, 304 Broad
Wolff Philip & Son, 17 Wright
TOTTENVILLE—Brown A. C. & Sons
WEST NEW BRIGHTON—Archer Chris.
Carlin Thos. F.
Darcey D. J.
Donovan John F.
Johnson's Joseph Sons
§Hermandsen Hans
Lynch William H.
Vanderbilt Cornelius General Contrg. Co.
(End of New York City)
NIAGARA FALLS—Allen-Smith Co.
Braas Bros. Co.
Brown-Pollard Constr. Co.
Brown & Willie
Douglass A. C. (Shaft Sinking & Tunnel Work)
Finnell John H.
Kilberer F. & Son
Lennan John Son Co.
§Mitchell Wilson Co.
Moyer Chas. & Son
Pitman John
Read-Coddington Engng. Co. (Brick & Asphalt Paving, etc)
Snyder-Gillett Contr. Co.
§Steinbrenner-Fisher Co.
NORTHPORT—§Brush G. W.
NORTH TONAWANDA—King Const. Co.
OGDENSBURG—§Castle C. E. (Mason)
§Feely John (Mason)
Fitzgibbons Jas.
Pooler W. J.
Whalen & Burns
OLEAN—Corsett L. E.
Dean Danford W.
Dugan D. D. & Sons (Paving)
Olean Bridge & Supply Co.
Sheldon J. A.
Taylor B. U. Co.
§Troy Thos.
Wetherell Chester H.
ONEIDA—Avery Geo. F.
§Ballard Wm. M.
Marcellus Geo. A.
OSSINING—§Carpenter Daniel
§Cuatt Wm.
§Emmitt Albert
§Valentine Eli
OSWEGO—§Henrick John
Paine A. & Son (Carpenters)
Raby Peter Contr. Co.
PLATTSBURG—Cook Geo.
Fitzpatrick J. J. & Sons
La Marche & Brault
§Pennington Alfred
PORT CHESTER—Daly & Merritt
Kennedy L. J. & Sons
Mertz F. C.
Mertz's Geo. Sons
Murry Frank E
PORT JERVIS—§Goble Floyd S.
Post G. A.
Raymond F. B.
PORT RICHMOND—(See New York City, Borough of Richmond)
PORT WASHINGTON—Allen Norman O.
§Henderson Edwin
Mitchell John W.
POUGHKEEPSIE—§Carter Fred N.
§Davis Lewis T.
Falkhill Constr. Co., Inc.
Irving & Ackert
§Keating John S.
Kingston & Campbell
§Madsen & Wistoft Construction Co.
§Monfort W. J.
Rouse Const. Co.
§Shover Eugene F.
Slater Jas. H. & Son
§Smith S. R. (Mason)
Van Aken Geo. J.
RIPLEY—§Bryant J. E.
ROCHESTER—Alexander Shumway & Uts Co., 16 State (Building)
Barnard Houston
Brotsch F. V. Co. (Street & Sewer)
*Chambers Ceo. (Sewer, Paving, Masonry, Water Works, Roads), Powers bldg
Gleason Frederick
§Gorsline & Swan Const. Co.
Hagaman F. L. Co.
Hoffman C. J. & Sons
Holahan Thos. (Street), 164 Lewis
Knapp Homer (Building, etc)
Link Anthony Sons, 654 South av
Ludington Ira M. Sons, Powers bldg
Luther Jno. & Sons, 87 Stillson
Rapp F. H.
Ripton M. H. (Street, Sewer, etc.)
Salter Thos., 118 Frost av
§Sauer Henry G.
§Sickels H. P. Co.
§Stewart J. L.
Whitmore, Rauber & Vicinus (Sewer, Street, Roads, etc)
ROME—§Cary Lawrence
§Perry & Jones
Zingerline Bros.
SARATOGA SPRINGS—§Case W. J. & Son
§Crocker Harry
Dunn Thos.
§Fitzgerald J. P.
Gaffney B. & Sons (Masonry)
§Ledlie David B. & Son
Parmenter C. R.
§Robertson Wm. S.
SAYVILLE—§Bason Wm. & Son
Strong Nelson
SCHENECTADY—Beckwith Bros.
§Bennett D. & Son (Masons)
Brown & Lowe Co.
Connors J. C. Co. (Paving)
§Hanrahan Thomas M. & Co.
Jeffers J. Allen
Jeffers Lewis
§Kinum Henry
La Grange A.
Lewis Henry A., 1578 State
Taylor F. K.
Wellman Walter
SILVER CREEK—Kofoed Aug.
Messina D. A.
STAPLETON—(See New York City, Borough of Richmond)
SYRACUSE—†Archbold-Brady Co. (Power & Lighting Equipment, Bridge, etc.)
Bonn Sam (Sewers, etc)
Burns W. J. Co.
Central City Paving Co., Union bldg (Pavers)
§Dawson Bros.
*Dickison Guy B. (R. R., etc), Union bldg
Dwyer Wm. J., City Bank bldg
Eagle Paving Co. (Cement), Rosenbloom bldg
§Fenno Ed. K., Esnbim bldg
Funda Henry, 201 Edison
General Erecting Co. (Iron & Steel), 105 Mary
§Hemmer Michael, 215 Sunset av
Hendrickson-McCabe Constr. Co., O. C. S. Bank bldg
Hookway C. T. Constr. Co., The, Bastable
Hueber Bros.
Hyde & Storm Roofing Co. (Roofing), Dept. H
Jenks & Venton Const. Co., S. A. & K. bldg
Kimmey Frank M., 1007 W Onondaga
Lewis Geo. A., 1115 Midland av
Lowery Bros., 1631 S. Salina
McHale T. H. & Son
Mondo Constr. Co., Inc., City Bank bldg
O'Brien Const. Co.
§Sherlock John J., 206 Canal
Spicer James S., 246 W Brighton av
Steele Wm. M., 248 Gertrude (Mason)
Sullivan C. J. (Sewer, etc.), 252 N Salina
Swift James (Sewer), 522 S Hudson
Taylor J. D. Constr. Corp., 115 S Salina
*Weidman John H., Union bldg
Young John (Excavating), Bastable blk
TARRYTOWN—Blouin Alfred
TROY—Bergman Andrew
Boland C. P. & Co., 30 4th
§Campbell Wm.
Campbell & Wall
§Collins Chas. & Sons
§Crowley Chas. Co. (Not Inc)
Dollard James Co.
§Martin Wm. E. Co.
Murray Martin & Co. (Roads, etc)
Nial Bros. Const. Co.
Soutar & Ritchie
Spence George Jr.
Stone Bros.
UTICA—Beebe H. R.
§Byrnes Thos. F. (Mason)
Hughes John F. Constr. Co., 211 Post (Masons)
§Kassing Henry (Mason)
Kerner P. & Sons
§Lancaster Harry (Mason)
§Lloyd Richard G. Co.
Roberts H. W. & Co.
Shippey Geo. W. (Mason)
Thomas & Hughes
Troy Public Works Co. (Public Work), Utica City Nat Bk bldg
Warren Bros. Co., Mayro bldg. (Paving)
WATERTOWN—Burns Bros. & Haley
Charlebois Bros.
Hayes Norman B.
Hydraulic Constructing
O'Brien Thos.
Richards, Stockwell & Richards
Semper W. J.
WATERVLIET—Irving Newell Const. Co.
Lavallee Theophile
Lennon Adelbert J.
Young James T.
WEST NEW BRIGHTON—(See New York City, Borough of Richmond)
WHITE PLAINS—Briante Constr. Co., Inc.
Englis Geo. H.
McCabe W. F. Contr. Co. (Roads, etc)
O'Rourke John
Smith's S. W. Son
Thompson & Alexander
YONKERS—Austin Frank W.
§Bruce Alex. (Mason)
Dawson Alex. A.
Garnjost F. A.
§Gower Fielding
Grady T.
Gross Fred E. & Son, Inc.
Hart James J. Constr. Co.
§Jamieson Ninian, Inc.
§Johnson Louis Building Co.
Kelly Geo. T. (Mason)
§Kingsley & Maxwell
Lynch & Larkin
§Mackay Keneth & Co.
Mangini Nicholas
Mee F. B.
Pyne Thos.
§Quick S. F. & Son
Rundle Geo.
Scott Oliver (Mason)
§Sherwood J. F.
§Voss John M.
Yonkers Builders' Supply Co.

NORTH CAROLINA.

ASHEVILLE—Asheville Const. Co.
Belote E. T. (Concrete), 16 Temple ct
Kelly-Wilson Co. (Sewer), 14 S Market
CHARLOTTE—Blythe Bros. Co., 120 Brevard
Boyd, Higgins & Goforth, Realty bldg
Carolina Co., Realty bldg
Goode Const. Co., Kinney bldg
Hunter R. N., Commercial Bank bldg
Jones J. A.
Little J. P. & Son, Realty bldg
North-Eastern Const. Co., Commercial Bank bldg
Propst J. P., 19 W 5th
Simmons' Constr. Corp., Dept. H
Smith Lee J. Const. Co., Trust bldg.
Southeastern Const. Co., Trust bldg
Thomasson & Richburg, 402 S Tryon
Thompson T. C. & Bros.
Tucker & Laxton
DURHAM—Christan Const. Co.
Christian T. S.
Lawrence I. G.
Salmon J. T.
Stanley J. B.
Underwood N.
GREENSBORO—Brooks & Hunt
Crouse J. L.
Hunt J T. & Co.
LEXINGTON—Cecil D. K.
Harbin Construction Co.
§Ward E. M.
RALEIGH—Barrow W. B.
Moser M. A.
York C. V.
WILMINGTON—Brady R. H.
WINSTON SALEM—Fogle Bros. Co.

NORTH DAKOTA.

FARGO—Aiken Constr. Co.
Birch S. & Sons Constr. Co. (Municipal)
Bowers Bros.
Johnson Constr. Co.
Kennedy James (Sewer, etc)
Porritt Chas. H. (Sewer & Public)
Powers Thos. F. & Co.
Wilson Stewart
GRAND FORKS—Buckingham, Geo. W.
Dakota Constr. Co.
Dinnie J. A. Co.
§Eikhoff John
§Hunter K. C.
Northern Const. Co.
JAMESTOWN—§Schmitt W. M.
NEW ROCKFORD—§Culp Chas. F. (Cottages)

OHIO.

ADA—Tressel Jas. G.
ADENA—Stringer A. E.
AKRON—§C. W. & P. Construction Co., 2nd Natl. bldg
§Carmichael Constr. Co.
§Clemmer & Johnson Co., Metropolitan bldg
Franklin Bros. (Excavating, etc)
§Franklin W. A. Sons Co., 375 Cuyahoga
Gilbert Harry (Cement Work), 19 N. Martha av
Harbaugh Constr. Co.
§Jackson G. R. Co., Furnace & B. & O. R. R.
§Krumroy Construction Co., Ohio bldg
§McShaffrey E. & W. Co., 574 Rhodes av

§*McSheffrey T. E. Constr. Co., 171 S. Forge
§Randall F. W. Co., 26 N High
§Schlichte P. R., 297 W Market
§Stubbs Geo. J. & Co., 30 W State
ALLIANCE—§Boone Robert M.
Devine J. C. Co. (Paving & Railroads)
Miller John W. & Son
Scranton C. O. Co.
Wilson John
ARCANUM—§Bowers Chas.
BARBERTON—*Paul & Henry Const. Co. (Steam Shovel & Municipal Work, etc)
BARNESVILLE—Wilson C. E. & Son
BELLAIRE—§Jones John W.
§McGraw John H. & Sons
§Rosser & Maloney
BELLEFONTAINE—Filson A. R. & Son
Shawver John L.
BOLIVAR—Daley Bros. Cons. Co. (Concrete Works)
BRADFORD—Houdeshell & Stover (Concrete)
BRYAN—Kelly Cons. Co.
CAMBRIDGE—Duffy Bros. Contr. Co.
Gibson Porter E.
Hanna F. C.
CANTON—Burd Constr.' Co., 1043 Spring av, N E
Landor Edward J., Renkert bldg
Melbourne Construction Co., 160 Clark bldg
CHEVIOT—Bentel & Hyland
CHICAGO JUNCTION—Andrews S. P.
Williams W. A.
CINCINNATI—*Am. Bridge Co., Union Trust bldg
Barr W. B. Co., 545 E 13th
§Biecker Jos. H., First Nat. Bk. bldg
Botwin Wm., 4383 W 8th
Brackett Const. Co., 1st Nat. Bk. bldg
Brockman Bros., 444 Riddle rd
§Bueche Frank & Co., 13 Lippincott
Cammack Richard, Grove & Wentworth
Cash R. E., 57 Wiggins blk
Crumley Jones & Crumley Co., 2301 Concord
Dugan M. Concrete Co., 1610 Clovewood
Ferro Concrete Construction Co., Dept. H, 3rd & Elm
Fisher-De Vore Const. Co., 1026 Dixie Term bldg
Folz Frank W. & Co. (Paving, Sewer & Public), Dayton & Freeman av
Fox Chas. E., 2317 Highland av
§Francisco Geo. M., 3639 Stettinius av
Fuerst Robt., 303 Palace Theatre bldg
*Gest G. M. (General), Union Trust bldg
Goodman John, 2133 Florence av
Gordon David Bldg. & Constr. Co., Burnet & Northern Avon
§Griffith Jas. & Sons Co., Reading rd & E 12th
Gubser Chas. & Son, 2nd & Saratoga
Harig J. & F., 1240 Queen City av
Harig Robt. Constr. Co., 2172 Western av
Harig Wm. Co., 31 E 4th
Hazen H. C. Contr. Co., 2070 Reading rd
Henkel & Sullivan, 105 Bell bldg
Hickey Bros., 4200 Spring Grove
§Hirschfields Theo. Sons Co., 1036 Straight
Hodges-Erwin Co., Blymer bldg
Huber Jacob & Co. (Cement), 4304 Sullivan
Iliff Jas. C. & Sons, 523 Dandridge
Irving E. A. (Cement), 3821 Spring Grove av
Jacob Henry B. Sons, Loth & Mulberry
Jones Fred R., 549 W McMicken
Kadon Otto T., 614 Race
Lathrop-Hoge Constr. Co., 503 Neave bldg
Layne Ohio Co., McLaren & B. & O. R. R., Wyoming
§Leimann Wm. & Bro., 2303 Clifton
Leonard B. A. (Cement), 4170 Mad Anthony
McCabe Constr. Co. (Brick), 1758 Central av
McGarvey & Co., 705 Gerke bldg
McMiller & Taft, 16 Hulbert blk
MacConnell W. F. Co., Spring Grove & Straight
Maecher Chas. V. & Co., 2106 Florence av
Marcus M. Bldg. Co., 2111 Reading rd
Meinken D., 2126 Western av
Miller Wm. & Son, 2017 Elm
Murdock Constr. Co., 4611 Main
Nippert Fred H., 3915 S Madison
Nolte Constr. Co., Gerke bldg
Norwood Concrete Block Const. Co., 2120 Madison av
Ohio Bldg & Const. Co., Burnett & McMullen
Pachoud Bros., 1034 Kenner
Penker Max & Sons, 123 Valencia
Plump G. H. & Sons, 1415 Mansfield
Porter John S. & Co. (Cement & Concrete), 3711 Coleraine av
Quill J. M. Constr. Co., 221 W 9th
Quill M. F. & Son, Gerke bldg
Roche M. J. Const. Co., Ohio Bk bldg
Roos H. W. Co., 633 Lincoln
Roos-Meyer-Hecht Co. Inc., 2824 Stanton
Rosenstiel Chas. & Son, 606 Reading rd
Ruebel John Constr. Co., 1872 Hanfield pk
Ruebel Jno. Const. Co. (Street), 1876 Hanfield, N S
Runck Bros. Constr. Co., Spring Grove av nr June
§Schmitt J. B., 610 Sycamore
Snyder J., 4436 Forest av
Stanforth H. C. & Co., Oakley bldg
§Stevens J. R. Co., 106 Odd Fellows Temple
Sullivan M. & Sons Constr. Co., Bell bldg
X—Cel Contr. Co., 744 E McMillan
CLEVELAND—Alexander Bros. Lumber Co., Union Trust bldg
*American Const. Co. (Heavy Masonry), Marion bldg
American Paving & Constr. Co., The, Marshall bldg (Cement & Concrete)
Andrews Bros., B. of L. E. bldg
§Austin Co. (Factory Building), 16112 Euclid av
Baker-Dunbar-Allen Co., Euclid bldg
Baldwin Bros. (Paving, Sewer, Water Works, etc), Rose bldg
Berry Bros., Garfield bldg.
Boldt Construction Co. (The), 1969 E 70th
Bolton-Pratt Co., Columbia bldg
Builders Lumber & Supply Co., The, W 73d & Denison (Carp)
Burnett Rollin P. (Paving & Sewer), Society for Savings bldg
Carey J. D. Co., Citizens bldg
Carson C. A. Co., 7016H Euclid av
Central Dredging Co., Swetland bldg
Christian J. E. & Co., 1307 St. Clair
Citizens Home Bldg. Co., Citizens bldg
Cleveland Engng. Constr. Co. (Cement & Concrete), The Arcade
Cleveland Trinidad Paving Co., 3409 Trumbull
Connelly J. Constr. Co. (Reinforced Concrete, Masonry, etc), Leader-News bldg
Crowell & Little Construction Co., 3751 Prospect av
*Culbertson H. E. Co., Citizens bldg
Dall Wm., 1276 W 3rd N W
Dautel L. & Son Co. (General), 5710 Hough av, N E
Davis J. C., Garfield bldg
de Hammel Const. Co., Swetland bldg
Drummond-Miller Co., 4500 Euclid av
Dunbar Wm. Co., 8201 Cedar
Egan Thos. P. (Sewer), Coxtan bldg
§Elworthy-Helwick Co., Wimson bldg
Emerson Sam'l W. Co. (Concrete), 1836 Euclid
Enterprise Paving & Const. Co., 3444 Bway S E
Feaga Gaylord W., 4614 Prospect
§Ferguson H. K. Co. (Factory Buildings, etc.), 6525 Euclid av
Fuller Geo. A. Co., Swetland bldg
*Galvin A. J., 16509 Claire
§Gill Jno. & Sons Co., Citizens' bldg
Gloyd James R. Co., Hipp-Annex bldg
Grant Jno. & Son, 4500 Euclid av
Graves E. M. (Public Works), Swetland bldg
Great Lakes Dredge & Dock Co. (River & Harbor, Bridges, Foundations, etc), Williamson bldg
Griffin C. N. Co., 5511 Euclid
Harris Herman A., 5001 Lexington av N. E. (Carp)
Hunkin-Conkey Const. Co. (Breakwaters, Piers, Buildings, etc), Cuyahoga bldg
Hyde W. F. Co., 1008 Scoville av
Lanese Co., Guardian bldg
Libby J. H. Co. (Concrete), 4500 Euclid av
Lundoff-Bicknell Co., 5716 Euclid av
§McAllister W. B. Co., 2165 E 31st
McMillan Co., 1918 E 66th
Manson Co. (Sewer), The Arcade
Masters & Mullen Const. Co. (Concrete Fireproofing, Bridges, etc), Electric bldg
§Minnick-Gibbons Co., 5309 Prospect av
Moore Wm. Co., 1278 W 4th N W
National Concrete Fireproofing Co., Citizens bldg
Pace Bros. (Paving), Engineers bldg
Paul Bros. Co., Citizens' bldg.
Raymond Concrete Pile Co. (Cement & Concrete), 1836 Euclid av
Reaugh Const. Co. (Reinforced Concrete, Masonry, Foundations, etc), 2835 E 51st
Rieley Bros. (Paving), 348 Arcade
Ruple Construction Co., 4500 Euclid av, Dept H
§Rutherford Geo. A. Co., 2725 Prospect av
§Skeel Bros. Co., 3311 Euclid av
Slatmyer Henry G. & Son Constr. Co., **203 Lakeside av, N W**
Smith J. Wentworth (Mason), 10585 Quincy av
Spence Bros. (Masons), 2078 Randon rd
*Strong C. H. & Son (Steam Shovel, Bridge Masonry, Docks, etc), Swetland bldg
Thompson Walter L. & Son Co., 6110 Euclid av
Thompson-Starrett Co., Perry Payne bldg
Uhl-Jaster Co., 1900 Euclid av
Vanderwerf Co., 1738 E 23d
Ward Bros. (Grading), 9338 Hough Ct
Watterson Henry, 4500 Euclid av
Watterson H. A. & Son, Citizens bldg
§Webber Co., 1609 W 25th
Wells James H., East Clark School, E 146th
Younger & Farmer Co., 1670 Crawford rd
COLLEGE CORNER—§Stephens & Stewart
COLUMBUS—*Adams J. T., Ferris bldg
Boyajohn & Barr, 8 E Broad
*Capital Constr. Co. (Concrete Constr), 849 Reynolds av
Elford Edw., 307 E Gay
Evans R. H. & Co., Grant av & McCoy
Fitzpatrick & Hoepfner, 63 Gay
Foltz L. G. & Sons, 448 Nelson rd
Frankenberg Constr. Co., Ferris bldg
Gaty Const. Co., 520 Emerich
Hickey Bros., 233 S High
Latham E. H. & Co., 15th av
McGrath D. W. & Sons (Sewer & Masonry), 758 Stone
Middle States Const. Co., 524 Hudson
Schneider Chas. W. & Sons, Penn. R. R South of Fair Grounds
State Const. Co., Hamlet & E 1st av
*Sturm L. E., New 1st National Bank bldg
CONNEAUT—Horton Fred L.
COSHOCTON—Henderson Bros.
Richardson H.
Shaw John L.
Tish W. S.
DAYTON—Danes-Hunt Const. Co., 1st & Webb
Geiger J. I.
Gohn J. C., Callahan bldg
Herman Bros., Leonhard & Mich.
Industrial Bldg. Co., 757 Reibold
Keefer A. D. & Son, 276 4th
Kempert A. F. (Brick), 245 S Morton av
Kernan W. J. & Co. (Paving), 425 S Cincinnati
Lowes Jos. E., 509 W 2d
McKnight Edw. E., 324 Kenilworth
Price Bros. Co., Davies bldg
Republic Asphalt Paving Co., 801 Schwind
§Shartzer G. H. Co., 1832 S Ludlow
Smith Chas. F. & Son, 54 Davies
§Structural Concrete Co.
Swank Engng. Co., Conover bldg
Talbot H. E. Co. (Heavy Masonry, Concrete Work, etc), City Nat'l Bk. bldg
Weber I. F. & Co., Huffman & Heiss
Wetzel Geo. B., 230 Linden
Wroe John, Riebold bldg
Yount & Jackson Co., 325 N Summit
DELAWARE—Dent J. H.
Lambert Bros. & Wirt (Paving)
McDonald Jas.
EAST LIVERPOOL—Chester General Contracting Co.
Gamble & Bryan (Brick)
§Nease C Lumber Co.
Rinehart Bros.
ELYRIA—§Beck Henry
Elyria Constr. Co.
Halpin John B. Co.
§Hewett Jas. A.
Kaiser John & Bros. Co.
FINDLAY—Folk Bros.
Hall Harry J. & Son (Paving)
FOREST—Forest Construction Co. (Road)
FREMONT—§Wolfe C. M.
GERMANTOWN—Gunckel Frank
HAMILTON—Andrews Asphalt Paving Co. (Paving, etc.)
Cullen & Vaughn Co., 450 Dayton
Hamilton Constr. Co.
HAZLEWOOD—Jones Bros.
IRONTON—Scherer & Mountain
Wileman & Helbling
LANCASTER—Van Gundy J. D.
LEBANON—Monroe & Johnson
LIMA—Heil Valentine
Lathrop C. S.
Smith & Sherrick
Summers & Harden
LISBON—McLane & Hepburn
LONDON—§Iliff Bros.
§Neville Jerry
LORAIN—Burgett L. A. & Co.
Glick & Weitzel
Jackson M. L.
Kipp John
§Kratt & Agnew
Leighton A. J.
Ohio Engng. Co.
Pierce F. W.
Stauder N. B.
LOWELL—Lowell Building & Supply Co.
LYKENS—Harer G. V.
MANSFIELD—Berry Chas. V.
Cotter Transfer & Storage Co. (Excavating, etc)
Gettings Bros.
Herring G. B. & Son (Paving)
Hursh Joe
§Kallmerten & Baer
Small Simson & Sons Co.
Wildeson L. & Son
MARIETTA—Cisler & Moose
Cowell Levi
Dickinson & Hockenberry
Foreman & Putnam
MARION—Baldauf John
Baldauf & Schlientz (Concrete)
Born Bros.
Brady A. J. (Paving, etc.)
Drake P. & Sons (Road)
Harruff J. U.
Hurley F. Thomas
Kohberger & Dawson
Warwick Frank L.
Williams J. W.
MARTINS FERRY—Clifford Geo. B.
Dixon & Dixon
MASSILLON—Converse Emil P.
Dieffenbacher P & Sons

(Continued on following page)

Contractors (Building & General)—Continued

OHIO—MASSILLON—Continued
Knobloch & Kapper (Excavating)
Meinhart John & Son (Street & Public)
Ohio Drilling Co.
Stoner F. L.
Swanson Bros. (Large)
Vogt W. & Sons (Street & Public)
Wendling A. F. Co.
MIDDLETOWN—Arpp, Simpson Co (Sewer)
Caldwell & Iseminger Co.
Dome Geo.
MINERVA—Bowden Geo. M.
Cox E. D.
Hart S. W. & Son
NEWARK—Hawkins O. J. & Sons
Newark Construction Co. (Paving)
Palmer Harrison
Palmer Thomas
Wagenheim J. M. & Son
Wilson Contracting Co.
NEW COMERSTOWN—Brode W. M. Co
NEW PHILADELPHIA—Gatchett A. & Son
Hensel Samuel
New Philadelphia Constr. Co.
Siasor & Gintz
Springer & Rogers
NORWALK—Kinney A. C.
Parker John
Parker Wm.
Scott G E
OXFORD—Cramer & Johnson
Lloyd T. C.
PIQUA—Anderson J. H. & C. P.
§Fry A. M.
§Speelman Edward
PORTSMOUTH—Bradley & Co.
Cullum W. J. Co.
Donaldson W. W.
Kaps Bros. (Heavy Masonry, etc.)
Kelly Bros. (Paving, etc)
Monroe Sam'l & Son Co.
Portsmouth Constr. Co.
SANDUSKY—Doerzbach G. W. & Bros.
Feick Geo. & Sons
Feick John A.
Peterson & Hiss Co.
Reinke Gust.
Walsh Bros. & Schurr
Ziemke Bros. (Mason)
SIDNEY—Ruese E. F.
SPRINGFIELD—§Bush W. R.
Caffrey Patrick
Concrete Steel Constr. Co.
Crawford J. L.
McHugh Bros.
§Poole Wm.
§Poss J. A.
Russell M. C. (Cement)
Ryan Edw. (Paving & Public), 101 Clifton
Wren Thos. E. & Co. (Cement)
STEUBENVILLE—Floto Bros. Const. Co.
McDonald Andrew W.
McFeely Bros.
Martin E. E.
TIFFIN—Baumgardner Concrete Products Co.
TOLEDO—§Bentley A. & Sons, 201-241H Belmont av
Bick Jacob N.
Bodette Edw. (Dredging ,etc.), 704 Boalt
Breyman G. H. & Bros. (Sewer, Dredging, etc.), Marine bldg
*Carland J. C. & Co. (& Public Works) Spitzen bldg
De Vore-McGormley Co. (Engr. & Cont.)
Gettins-Kopitke Co., Mashy bldg
Gilmore Bros. (Harbor)
§Herman F. J.
Hummel & Hillebrand (Cement Work)
Jacobs Jacob J.
Knopp Bros. Co.
O'Sullivan M. F. (Paving), 145 Oak
Power Equipment Co. (Power Plants)
Prentice Wm. H., 360 W Central av
Rabbitt Michael & Sons Co., 115 Nasby
Ramseyer M. S. Co., Spitzer bldg
Schillinger Bros Co. (Asphalt & Concrete Pavements & Constr.), 215 City Park av
Sheehan Henry & Son (Sewer), 1208 Collingswood
Streicher H. P. Co., Terminal bldg
Thacher A. Q. Contr. Co. (Dredging, Submarine Work of All Kinds, Heavy Masonry, etc), 6 Jefferson av
§Voss E. H., 339 Huron
TORONTO—Candoo & Grizzelli
Cooper W. S. & Co.
Johnston Guy Contr. Co.
Redhead F. A.
TROY—Hennessey J. M. & Bro. (Sewer Excavating Roads, etc)
Smith M. Z.
VAN WERT—Ireland C. L.
WELLSVILLE—Forbes & Smith
Patterson Geo. B. (Paving)
XENIA—Wilson Engng. & Contr. Co.
YOUNGSTOWN—Adovasio Louis & Co
Atlas Construction Co. (Cement)
Bates Chas. W.
Black W. H. & Son (Paving)
Bode Geo. (Paving)
Campbell Bros. Co.
Chambers J. B. (Concrete)
Clark M. F. (Paving)
Clemons L. J.
Connelly M. P. & Son (Paving)
Constable Robt. S.
De Jute James (Paving)
Ellenberger Henry C
Fiehler Aug. D.
Grein George
Grube E. A. (Cement)
Harris C. F.
§Hawk Otis E. & Co.
Heller Bros. Co.
Hess Geo. F. & Son
Hohlock J. F.
Hopkins Bros.
Hunter Const. Co.
Jones Virgie E.
Kane Ed. J.
Kennedy Bros.
King Robert
Logan A. F. & Co.
Lynn Elliott C.
McCaslin James R.
Mariner Frank W.
Mattison A. S.
Miller Brothers
Miller Theo. F.
Niedermeier Henry
Palmer W. H. Co.
Parish Bros. (Brick & Concrete)
Pierce C. Berlin
Quigley & Meeker, 19 Yo & Sharon
Ramm Wm. J. (Cement)
Schmidt Phillip
Security Construction Co.
Seitz L. T.
Serafino Andrew (Paving)
Siefert J. A.
Skoog Gus
Stonerook Howard D.
Turner Contracting Co. (Paving)
Wiles H. A.
Youngstown Const. Co.
ZANESVILLE—Adams Bros. Contr. Co.
Adams Bros. Contr. Co.
Clifton Bros.
Davis Millberry
Denny Bros.
Dunzeller Constr. Co.
*Gregg & Pletcher (R R & Road)
Hanshy Wm. C. & Son
Henke D. E. & Co.
Lewis & Dick
McMaster L. W.
Mast Emanuel
*Muskingum Contr. Co.
Swingle J. A. Contr. Co.
Taylor & Linn
Townsend F. M. (Railroad & Masonry)

OKLAHOMA.

ELRENO—Ellsworth J. E.
Ellsworth J. E.
McALESTER—Deibler George H.
MUSKOGEE—Manhattan Construction Co.
OKLAHOMA—Campbell & Price
Reinhart & Donovan
Western Paving Co.
SHAWNEE—§Carr G. P.

OREGON.

ALBANY—Snell R. D.
ASTORIA—Houston C. L.
Lebeck Leander
Palmberg & Matson Co.
BAKER—Oxman & Harrington
HOOD RIVER—Stranahan & Slarens
LA GRANDE—Security Constr. Co.
McMENNVILLE—Dennis U. R. Constr. Co
MEDFORD—Logan Jas T.
PENDLETON—Gibson & Cole
Settergren Hilmer J.
PORTLAND—Andrews W. D. Const. Co., Broadway bldg
Berry A. C. W., Selling bldg
Burton J. H., 344 1st
§Carlson Victor J., 445 Vancouver
Columbia Digger Co. (Excavating), 180 Burnside
Cook C. J. Co., 124 N 12th
Dennis V. R. Constr. Co., 262 Stark
§Dinwiddie Construction Co., Yeon bldg
Dougan & Chrisman, 168 Thompson
Graham & Aitken, Worcester bldg
Gudhart E. G., 986 Garfield av
*Guthrie A. & Co., Inc. (R. R. & General), Sherlock bldg
Hord Brooks Co., Henry bldg
§Horn A. W.
Horn L. D., Board of Trade bldg
§Hurley-Mason Co. (Bldg., etc.), Gasco bldg
Interstate Construction Co., Chamber of Com. bldg
Jacobsen Construction Co. (Piling & Bridge), McKay bldg
Jacobsen-Jenson Co., 407 Stanton
Killgreen Bldg. & Investment Co., Lewis bldg
Leonard F. J., Lewis bldg
Lorenz Bros., U. S. National Bank bldg
Montague O'Reilly Co., Commonwealth bldg
Muir Thos., Henry bldg
Muir & Friberg, Henry bldg
Pacific Bridge Co., ft. of E Salamon
Parker & Banfield, 64 E 3rd N
*Porter Bros., Porter bldg
Portland Bridge Co., Yeon bldg
Portland Bridge & Iron Co., Lewis bldg
Seed J. S. Builders Exchange, Worcester bldg
Shuholm Co., 2421 Sandy
Smith Grant & Co., Railway Exchange bldg
§Stebinger Bros., Worchester bldg
§Stokes, Zeller Co.
Tranchell & Parelius, Worcester bldg
*Twohy Bros. Co., 219 E 60th
Union Bridge Co., Porter bldg
United Contracting Co., North Western Bk. bldg
Warren Construction Co., Yeon bldg
Wayman O. R., Worcester bldg
White E. B., 217 Lumber Exchange
Zanello Bros., 20th & Flanders
ROSEBURG—Hildeburn H. J.
SALEM—Engstrom Carl
Erixson Fred. A.
Salem Const. Co.
Seiwert Albert
§Snook & Traver
Van Patten & Son, Masonic Temple
SUTHERLIN—Clark & Henery Constr. Co.

PENNSYLVANIA.

AKRON—Miller L. Z.
ALLEGHENY—(See Pittsburgh)
ALLENTOWN—Albright A. A. & Sons, 315 N 14th
Allentown Constr. Co., 332 Walnut
Butterweck H. A.
Butz & Clader, Ainey bldg
§Gangewere Wm. H. & Co. (General), Fulton & Linden
§Hardner Geo. H. (Sewer, etc.)
Hoch Oscar S. (Masonry, Excavating, etc., 329 N 13th
Moyer Tilghman Co., 824H Hamilton
Nagle Jacob A., 117 S 12th
§Ochs Const. Co. (General), 26 S 5th
ALTOONA—Altoona Brick Co. (Brick)
Altoona Concrete Cons. & Supply Co
Altoona Construction Co.
Fickes H. & Son
Fluke J. B. & Son
Hersh A. J.
Hinkle H. G. (Inc.)
Hughes Clifton D.
Ivory J. C.
Mackey Leroy B.
Orner J. W.
Orr J. C. & Son
Vipond John S.
Zimmers Geo. A.
AMBLER—Bartleson Jas. A.
Heckler Leidy B.
Kemmerer C. J.
ARDMORE—Fraser H. A. & D. M.
§Haws Samuel R. & Sons
§Mahan Frank H.
ASHLAND—Leibig Chas. P.
AVOCA—Dommermuth M.
O'Brien Bros.
Widdall H. S.
Widdall J. A.
BEAVER FALLS—Bloom Henry
Kirker L. C. & Son
BETHLEHEM—Bethlehem Construction Co. (Structural)
Denburger H. Contrg. Co.
Garber & Cissel, Inc., 203 W. 4th
Speck Bros.
Speck Forest F.
Stoudt H. E.
BLOOMSBURG—Jury A. C.
Reimard Bros.
BRADDOCK—Hemple C. H. & Bro. (Paving)
Hodder Const. Co. (Inc.)
McCrady Bros. Co. (Paving, Sewer & Excavating)
Phillips W. E.
BRADFORD—Hane F. O.
Iver John & Co.
Unruh E. N.
BRISTOL—De Groot Wm. E.
BROOKLINE—Speth John V.
BUTLER—§Hoffner Adam
Schenck Geo. & Co.
Schenck T. L.
Wagner W. S. & Son (Cement)
CARBONDALE—Atkinson Hugh
§Edgett & Patterson
§Gibbs John
§Robinson N. B.
CARLISLE—§Brindle D. E.
Faber L. Jr. & Sons
§Lackey H. A.
§Porter Jas.
Yarnall T. Elwood
CARNEGIE—§Clark Wm. J.
Davis R. G.
Dushane I. N. & Sons
Gamble Samuel Co.
§Gow Geo.
Harris Morgan
McClintic-Marshall Const. Co.
CARROLLTOWN—Penn. Contracting Co., Dept. H.
CATASAUQUA — Goldsmith Franklin & Son
CHAMBERSBURG—§Frederick Chas.
Minnich D. B.
§Rhoads Maurice R.
Shields E. M.
CHESTER—§Babe Jas.
Bell Sam'l R.
Hanna Jno. & Sons (Street Improvement, Excavating, Grading, Sewer)
§Hewes Geo. D.
§Hewes Sam'l A.
Holcroft W. H. & Co.
§Nolan Bros.
§Oliver E. J. & A. W.
§Plumley Morris
§Provost Wm., Jr.
Sheaff A. P.
Taylor J. I.
CLEARFIELD—Lukens Wm. A.
*McAtee Jno. C.
§Thompson Geo. I. & Co.
COATESVILLE—Ash Chas. H.
Domsohn C. J. Co. (Cement)
*Dunleavy Bros. (B. R. & Excavating)
Elliott Wm. J.
Thorne W. K.
CONNELLSVILLE—Connellsville Const. Co.
*Harry S. J. Co. (R R Shafts, Tunnels, etc)
Westmoreland Construction Co.

CONSHOHOCKEN—§Blanch Bros.
CORAOPOLIS—§Boyd Harry C.
McKown & Beattie
§Wilson Carl C.
CORRY—§Munger A. F.
Rogers C. R. & Co. (Mill & Factory Constr. & Specialty, Reinforced Concrete Work, etc.)
DORRANCETON—Nash Stanley
Ranson Coray B.
DONORA—Allen Lumber Co., Dept. H
DUBOIS—Loeb Bros.
DUNMORE—Gibbons Martin
Peck & Carmody F. J. Lbr. Co.
EASTON—Bechtel A. A.
§Keim Reuben
§Keiper Howard O.
§Lerch F. J. & Co.
§Lutz & Boaz
*Miles-Tighe Cont. Co. (R R & General)
Morgenstern F. Louis
Mucillo & Miller
Pittenger Edw. S.
Siebler W. F. (Concrete, etc)
Smith Asa & Son
*Smith, McCormack Co.
*Stewart R. T. & C. D. Contr. Co.
§Steinmetz Amandas
ERIE—§Baldwin Bros.
§Constable Bros. Co.
McCormick Jos. M. & Bro. (Sewers)
Mayer Bros. Const. Co.
South Shore Constr. Co.
Sutherland W. M. Bldg. & Contrg. Co., 1009 Commerce bldg.
§Walker Jas. D.
FRANKLIN—Amsler W. H. (Paving, etc)
Eshelman U. H.
§Long Harry W. (Mason)
Northwestern Construction Co.
Osborne Edwin
FREELAND—§Boyle Jas. W.
§Griffith Jas. E.
§Lentz Robert A.
GREENSBURG—Bennett & Smith Co.
*Bennett & Talbott (Public)
Fulmer Bennett R.
Stark H. F.
HANOVER—Coulson J. W. & Bro.
Hosteter O. H., Dept. H
Klunk Wm. J.
Rohrbaugh J. F. & Co.
HARRISBURG—Central Constr. Corp.
§*Ensign G. W., Inc. (Sewer, etc.)
Hipple H. A.
Kuhn J. L. L. & Co.
§Lebo E. N.
§McKelvy J. A.
Markley Wm. D.
§Mentzer Samuel F.
§Schuddemage Harry
Stucker Bros. Construction Co.
*†Whittaker & Diehl
§Wildman Aug.
HAZLETON—§Campbell H. L. Construction Co.
Drake A. W. Drilling Co. (Drilling), Hazelton, Pa.
Frederick S. Y. & Son
Itter Charles
§Kokensberger F. H.
Kramer Ludwig
Leffler John A. (Sewers, etc)
Matuskowitz Jos. & Sons
Meier & James
Ruth Arlo A.
§Schaub Justus
Sell Geo.
Thomas Wm. F.
Veale Bros.
Ziegler Wm. D. & Son
Zierdt & Son
HOMESTEAD—Erbeck F. J. (Paving & Public)
Hall Geo. M. Co.
Snyder J. O.
HUNTINGDON—Peightal Nevin
Whittaker E. B.
INDIANA—Bennett M. & Sons
Lockard E. M.
Richards J. R. (Diamond Core Drilling)
JOHNSTOWN—Birkebile Bros.
Overdorff Edmund
Strayer J. D. & Co.
Thiele Const. Co. (Grading, etc)
LANCASTER—Auxer A. J.
Baily Samuel H.
Fritchey J. U. & Son (Paving & Sewer)
§Hook Jno. H. (Sewer & Public)
Stumpf Jacob & Son
Wiant Herman L.
Wickersham John H., Breneman bldg
Wohlsen Herman F.
Wright L. V.
§Zook Walter C.
LANSDALE—§Kaelin Ludwig
Kaufile John
LANSDOWNE—Burdsall Wm. H.
Lansdowne Constr. Co.
Moore Chas. T.
LANSFORD—Loomis W. H. Contracting Co.
Riebe Herman Co.
LEBANON—Bell's Sam'l Sons (Masons)
Dullabann Geo. D.
Millard J. B. & Sons (Large)
LEWISTON—Steinbach's W. D. Sons
White Wm. J.
LITITZ—Hershey-Leaman Co.
LOCK HAVEN—Blesh Alex.
Caprio & Grieco
*Miller Construction Co.
McKEESPORT—Brieck Bros Co.
Hoey Edward D.
Kunze A. E. (Brick)
Nowell Wm.
Rhoades P. F. & Son (Paving & Sewering)
Wertenbach John H.
McKEES ROCKS—Bryan Frank
MAHANOY CITY—Lutz Robert J.
MEADVILLE—Harper Lumber & Bldg Co.
Keystone Constr. Co. (Paving)
McGuigan T. (Sewer & Public)
Morrison Wm. E. & Son
MECHANICSBURG—Weaver Calvin
MEDIA—Flounders Jas. B.
MONONGAHELA—Yohe Bros.
MORRISVILLE—Ewald F. H.
MT. CARMEL—Keefer Geo. H.
MT. PENN—Schlegel Chas. H.
NANTICOKE—Clark John & Sons
Hamilton John A.
Jones Thos. P. & Sons
Kamowski Jos.
Nanticoke Const. Co.
NAZARETH—Flick & Simons
Hahn F. P.
Messinger Jacob H.
Roth Henry W.
NEW BRIGHTON—Garmen C. & Sons (Building, etc)
McDanel R. B. Co.
McGuire J. G. & Co.
Martsolf Bros. Co.
NEW CASTLE—§Anderson E. W. Constr. Co.
Bender W M.
Burns Bros. (Sewers, etc)
*Byers & Craig
Chambers W. H. & Son
Kline Lumber & Construction Co.
New Castle Lumber & Const. Co.
*Scanlon Michael J.
Woods & Golder Const. Co.
NORRISTOWN—Friend Henry P.
Heavner Frank R.
§Houpt Irvin B.
Shoffner Bros.
Smith T. V. (Cement Work)
§Wager B. F.
OIL CITY—Boquin L. O.
Crouch E. M.
Lesher J. M. (Street & Sewer Work) 920 W 1st
Meals Jacob F.
Mundt H. C.
Roess G. F. & Son, 309 W 3rd
PHILADELPHIA — §Ambler - Davis Co., Harrison bldg
American Bridge Co. of N. Y., Widener bldg
American Dredging Co. (River & Harbor), Mariners' & Merchants' bldg
American Paving & Constr. Co., 213 S 9th
American Pipe & Const. Co., 1612 Market
Anstine W. W. & Co., Fkd & Oxford
Armstrong & Latta Co. (Dock, Harbor & Public), Clinton & Delaware
§Atkins Ed., 249 S 24th
§Austin Co., 1015 Chestnut
§Ballinger R. C. & Co., 1508 Chestnut
Barber Asphalt Co., Land Title bldg.
Bateman John J. (Mason & Brick Boiler Setting), 5138H Wayne av
§Paton Henry E., 1713 Sansom
§Bauer Walter S., 5802 N 5th
§Bechtel Joseph, 15th & Race
Bennis Richard P. (Sewer), 710 E Chelten
§Bland John I. & Co., 1516 Summer
§Borthwick Pringle, 8018 Germantown
Bottoms Abel & Sons Co., 3611 Walnut
*Brann & Stuart Co., Commer. Trust bldg
*Brendlinger P. F., Commer Trust bldg
§Brennan Frank, 25th & Tasker
§Brocklehurst H., 512 Norris
*Brogan Jas. F. & Co., Commercial Trust bldg
Brown-King Const. Co., Commercial Trust bldg
§Burrell Horace H., 206 Quince
Carhart A. L., 323 Penfield bldg
Chapman Wm. R. & Sons, 1506 Washington av
Christensen Adolph (Stone), 1433 Brown
*Clement F. H. & Co., St. Girard bldg
§Codori John A., 1235 Arch
Conan C. A. (Sewer), 140 N 55th
Conneen Constr. Co., 2315 Walnut
Connor Thos. (Sewer), 3621 N 5th
§Cornell J. S. & Son, 1412 Morris bl
§Cramp & Co., Denckla bldg
Crawford Daniel Jr., 3901 Chestnut
Crossan Constr. Co., Land Title bldg
*§Cuthbertson Elmer L., 834 Roxboro
§Dahl Henry C., 231 S 8th
Daniels J. Morris, 252 S Juniper
Doak Albert (Boiler Setters), 2138 Arch
§Doyle & Co. (Large Builders, etc), 1519 Sansom
§Driscoll Co., Stock Exchange bldg
§Duff Thos., 1015 Chestnut
§Eddleman Wm. H. & Sons, 453 Green La. Rox
§Ellis Wm. H., 344 N 4th
§English Frank G., 1608 N Carlisle
Eyre, Thos. L., Com. Trust bldg
§Farbstein Jos., 908 Walnut
§Fay Edw. & Son, 2 S Mole
§Ferguson Wm. & Son, 405 E 21st
§Fidelity Const. Co., 1629 N Sydnhm.
Field, Barker & Underwood (Engrs & Contrs.), Commercial Trust bldg
§Fotheringham John, Castor & Arrott
§Fretz A. L. & Son, 1213 Filbert
Fuller Geo. A. Co., Morris bldg
Gaffney Constr. Co., 1927 Poplar
§Gill John N. & Co., City Center bldg
§Gilpin Chas., Harrison bldg
Grau H. E. Co., 1707 Sansom
Hall E. R., 34 S 17th
Hallowell Chas. T., 59th & Carpenter
§Harris Franklin M. & Co., 1520 Paris
§Harting S, 20 E Johnson Gtn
§Hartwig Harry F., 7403 Bingham, Fox Chase
§Havens Fred A. & Co., 845-51H N 19th
§Heckler Chas. J., 3001 N Craskey
§Hedden E. J., Finance bldg
§Heebner Geo. K., 1231 Vine
Heins Wm. R. & Co (Paving), 1713 Moravian
Henderson & Bro. Co., 2507 South
Hoffman Engineering & Contracting Co. (Bridge & Public), Crozier bldg
§Hollenback Edwin E. (Inc.), 1804 Brandywin
Hoover F. L. & Sons (Inc), 1023 Cherry
§Howes R. H. Const. Co., Witherspoon bldg
§Irwin & Leighton, 126 N 12th
§Jackson J. Richard, Perry bldg
Keefer Elisha H. & Son, 1321 Rodman
§Ketcham & McQuade, 1029 Brown
*Keystone State Const. Co., 210H S 13th
§Killough Robt., Germantown & McPherson
§Klaus & Baxter, 5756 Stewart
Kreitzburg Ernest J., 1333 Arch
§Lam Building Co., 1001 Wood
Land Chas. D., Marston & Chalmers
Lee Thos. P. (Cement), 5629 Cherry
Lindsay W. W. Co., Harrison bldg
Linker Wm. Co., 735 Cherry
Little Thos. & Son, 1713 Moravian
Lombardi Constr. Co. (Sewers, etc.). Lincoln bldg
§Longacre Constr. Co., Widener bldg
§Loss & Dothard, Commercial Tr. bldg
§McCaul Charles Co., 1715 Sansom
§McClatchy John H., H, Flanders & Lebanon
§McCloskey & Co. Inc., 1620 N Thompson
McCleman H. A. & Bro. (Excavating, Grading, etc.), Moyamg av & Shunk
McClintic-Marshall Co., Morris bldg
§McGarvey John N., Lincoln bldg.
McHugh M. & J. B. (Sewer, Paving & Municipal Work), S & Glenwood
§McKibbin David, 2900 Frankford av
§McShain John, 1610 North
MacTavish Archibald, Capital & Waverly
Mack Paving & Const. Co., 20th & Sedgley av
Mark Frank Constr. Co., 2820 N 21st
§Mendenhall, Hayes & Son, Drexel bldg
Mercer F. T. Co., 1916 Brandywin
§Metzger Chas. S., Otis bldg
§Metzger & Fisher, Otis bldg
Meyer Wm. Co. Ltd., 206 Quarry
§Mitchell Bros., 2125 Race
§Mitchell Jas. N., 4 Farragut ter
Monday Chas. E. & Co., 1318 Olive
§Myers Jacob Sons Co., Witherspoon bldg
§O'Brien Bros., 5624 Chew
O'Meara Constr. Co., 228 S Warnock
§Payne Geo. F. & Co., Stock Exchange bldg.
§Philadelphia Culvert Co., 16th & Washington av
§Raff A. Raymond, 1635 Thompson
*Reiter, Irwin T. Co. (Sewer, Paving, R. R. & Public), Commonwealth bldg
§Roydhouse Arey Co., H, 112 N Broad
Rust Engineering Co., Harrison bldg
Schnabel John Inc., 707 Denckla bldg
Schwartz Jacob (Paving), 5717 N 10
Scott Robt., 219 N 4th
Seaboard Const. Co., Real Estate Trust bldg.
§Seeds Thos. M. Jr., 1302 Filbert
§Shoemaker Sam'l, Land Title bldg
Simplex Foundation Co. (Caisson & Bridge Foundation, State & Van Kirk
Sinclair & Grigg, 16 & Walnut
Smith Chas. & Son, 215 N. 50th
§Smith-Hardican Co., 1811 Calowhl
Snare Frederick Corp., Weightman bldg.
Steele Wm. & Sons Co., 1600 Arch
Stewart Frank G., 22 Bldg. Walnut
§Sutton & Stephenson (Masons), 1317 Washington av
§Tourison Ashton S., Sr., 7014 Boyer, Germantown
Turner Construction Co., 1713 Sansom
Van Loon F. W., Perry bldg.
Wark Co., 231 S Broad
§Wehmeyer Harry H., 509H W Cumberland
Wells James H., 34 S 16th
§Whelan P. J. & J. T., Bankers Trust bldg.
White Barclay & Co., 1713 Sansom
§Whiteside Rush J. & Sons, 2115 Wallace
§Wiggins John R Co., Otis bldg
Wilmer Samuel S., 3211 Comly Wissng
§Young Milton W., 2037 N 63
Zane A. M., Land Title bldg

(Continued on following page)

Contractors (Building & General)—Continued

PENNSYLVANIA—Continued

PITTSBURGH—Abel A. F., (Pile Driving, Trestles, etc.), 1 Wood
§Alberts W. E. & Son, 367 Lehigh av
American Bridge Co., Frick bldg
Am. Steel Co., H, Park bldg
§Baldensperger S. G., Lloyd bldg
Barr J. Toner, 1600 Princess av
§Beatty Bros., 2001 Metropolitan
§Bergman Jos. A. & Son, 2601 Wylie av
Biendinger Fred. A. (Brick), 824 Spring Garden
Boehmer Chas. & Son, 1904 Gang
Bollinger-Andrews Const. Co., Empire bldg
†Booth & Flinn, Ltd. (Railroad & Municipal, Pipe Line & Tunnel Work), 1942 Forbes
§Bruggeman J. F. Co., 502 Avery (N S)
Busse Henry & Co., Main & Wabash
Casey John F. Co., Oliver bldg
§Chambers Henry, 6475 Frankstown av
Cochrane, Geo. A. Co., 1212 Columbus av
§Conradis August, Oliver bldg
Coutts Thos. Co., 3324 Smallman
Crapper Hedley, Highland bldg
§Crawford D. F. Co., Ltd., 603 5th av
Cronin Thos. Co. (Paving & Sewer), S 17th & Muriel
§•Cuthbert Bros. Co., Bessemer bldg
Davis-Smith Co., 516 Federal
Dravo Contracting Co. (Heavy Masonry Shaft Sinking & Government Work, etc.), Diamond Bank bldg
§Duquesne Construction Co., H, Bessemer bldg
Egan Thomas J. (Grading), 1721 Bluff
Eichleay John Jr. Co. (House Raising & Moving)
Enterprise Contracting Co. (Masonry, Trestles, Pile Driving, etc), Bessemer bldg
§Evans A. E., 5 McIntyre av
§Fellabom L. H., Wellesley & Heberton av
•Ferguson & Edmondson Co., 317 Augusta
Foundation Co., The, Fulton bldg
Fullman John G., E. E. Trust bldg
Garage Constr. Co., Grant & Oliver
General Contracting Corp., Columbia Bank bldg
§Golden & Crick, 3512 Fifth av
§Groah B. A. Constr. Co., (Building, etc), 847 W North
§Hilf Bros., 13 Gray
HUGHES-FOULKROD CO., 421 7th av
§Kerr R. J. Co., Farmers Bank bldg
Krantz & McCoy, 365 Soho
•Keystone Contracting Co., Keystone bldg
Landau Bros., 311 2d av
Lash David H., 720 Grandview av
Lauer J. & Sons (Building), 810 Portland
Lawrence Steel Const. Co. (Structural Steel Erectors & General Contractors **for Mill & Factory Buildings), 3324H Smallman**
Lucius Engineering Co. (Contracting & Consulting Engineers), Hartje bldg
McLaughlin Contracting Co., Germania Bk. bldg
McLaughlin & McLaughlin (Cement & Concrete), 7309 Finance
McQuade, Jas. H. & Sons Co., Bakewell bldg
McSorley John, 1912 Wightman
Masi Bros., 1246 Grotto
Miller Constr. Co., Empire bldg
Miller H. & Sons & Co., May bldg
Moorehead H. S. 220 S Highland av
Mullen J. L. Construction Co. (General Rigger), Wabash bldg
Naismith Geo. & Son (Brickwork), 6312 Butler
Nat'l Constr. Co., 6120 Jenkins Arcade
Neeld C. M. Const. Co., Oliver bldg
§Negley H. D., 7134 Idlewild
§Nicola Building Co. (Large Building, etc), Lambert & Penn av
North Side Construction Co., Bessemer bldg
O'Herron M. Co., S 1st & McKean
Ott Matthew & Co. (Sewer, Paving, Macadam, etc.), 414 Warrington
§Patterson & Shaw, 30 E Robinson
§Payne W. J., Beltzhoover av
Pennsylvania Drilling Co., 1812 W Carson
Pihl & Miller, Wabash bldg
Pitt Const. Co., Fulton bldg
•Pittsburg Const. Co. (Round Houses, Mill Building, Grading, Masonry, etc), Diamond Bank bldg
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg
See adv index at end of book
Purnell A., 507 Jarvella
Raymond Concrete Pile Co., Union Bank
Riffe David T. Keenan bldg
Rose & Fisher, 819 Penn. av
Rust Engineering Co., 311 Ross
Ryan M. C., 13 3d av
Schutz, Schreiner & Clyde Co., May bldg
Scott John F. Co., Pittsburg Life bldg
Sell John G., 1518 Warren
§Shenk Henry Co., 132 7th
Siebert W. C., 366 42d
Simplex Pile Foundation Co., H, Keystone bldg, Pittsburgh, Pa.
Stewart Willard L. E. E. Trust bldg
Swan Robt. Jr. Co., Jenkins Arcade
§Thompson-Starrett Co., 2d Nat Bk bldg
§Trimble W. F. & Sons Co., 1719 Penn av
Walker & Curley Co., E. E. Trust bldg
Wilson Constr. Co., Fulton bldg

PITTSTON—Allen W. R.
Dershimer & Griffin
Frey Miley J.
Myers Wm.
Turon & Swartz

PLYMOUTH—Watkins Chas. & Son

POTTSTOWN—§Halteman J. L.
Hutt & Knod
§Keiser F. H. & Co.
Rush John H. (Paving, etc)
Shoemaker-Satterthwait Bridge Co., Pottstown, Pa.
Wiand Wm. H.

POTTSVILLE—Dietrich Wm. A.
Edwards J. R. & Co.
§Griesbaum Wm. J.
Kilgus Jacob
Koch Theo., 614 Edwards av
§Messersmith Clarence
Portland Contracting Co.
Schum Albert D.

PUNXSUTAWNEY—Cleaver G. C. & Co., Dept. H
Harl McKean
Hoffman Bros. (Diamond Core Drilling), Dept. H
Kurtz Coal Lumber & Supply Co., Dept. H
Long J. K. & Son
McGovern P. E. & Co.
Miller Construction Co., Dept. H
Powell & Justus, Dept. H
Punxsutawney Drilling & Contracting Co.
Reese Hiram

READING—§Beard Const. Co.
Faust John K. & Son
Focht L. H. & Son
Garman N. H. & Bro.
§Hunter D. H.
Koch Geo. A.
Kretz Adolph H. (Building)
Krick P. Monroe
•Nolan Bros. (Railroad, etc)
§Price R. A.
Reading Contr. Co. (Water Works & Concrete constr.)
Sharp Wm. A.

RIDGWAY—Edwards Wm.
Newburg Carl A.

ROSEMONT—Croll Geo. L.
Gray Bros.
Sim Chas. (Grading, etc.)

ROYERSFORD—Mowry Jacob

ST. CLAIR—Kear H. J.
Thorn W. W.

ST. MARYS—Rutsch M. C.
Kerner Philip
Valentine Thos. J., Jr

SCHUYLKILL HAVEN—Becker Irvin H.
Reed Harry D.
Renninger John H.

SCRANTON—Anthracite Bridge Co., 300 Genet
Apostillico Alphonso, 1406 Adams av.
§Baker Wm. E., 1621 Capouse av
Barrett Constr. Co., Bowman bl.
Beilman & Son, 220 Ash
§Boland Bros., 427 Spruce
§Boland Christ T., 1131 Pittston av.
Breig Bros., Scranton Rl. Est. bldg.
•Burk Timothy, Cornell bldg.
§Cadden, Michael A., 1125 Luzerne
Caputo Louis & Son, 1213 S Main av.
Fern Russell E. Co., 105 S. Main av.
§Fuchs Geo. D., 2027 Prospect
Gibbons Patrick F., 1620 N. Main
Gibbons & Berry, 1620 N Main
Gillette A. F. & Son, 615 Warren
§Hower & Stender (Bldrs.), 1001 Madison av.
§Hughes E. G., 309 S Main av.
Kearney A. A., 433 Wheeler av.
Lackawanna Constr. Co., 537 Linden
Lathrop, Shea & Henwood Co., Brooks bldg.
Leitner Frank V., 810 Pittston av.
§Lord & Waterman, 948 Wyoming av.
Mann & Beikhe, 931 Madison av
Mulherin, Michael, 1104 Dartmouth
Palmer Thomas, Miller bldg
§Perks, John, 218 Clay av & Dunn
Richardson R. D. Constr. Co., Connell bldg.
§Roberts Robert
§Ruddy M. J., 1304 Adams av. Contrs.), Monsey av. & New York
Sprague & Henwood (Drill Diamond Contrs.), Monsey av & New York
§Spruks Bros., Cedar av & Orchard
§Stender Bros., Providence rd. & Albright av
Stipp Peter & Son, Colfax & Pine
§Sykes S. & Son, 218 Larch
Trauger Geo. H
Williams E. S., Coal Exchange bldg.

SHAMOKIN—§Bilger S. L.
Davis Lumber Co.
Raup's H. P. Sons
Schweitzer Chas. A.
Shamokin Lumber & Mfg Co.

SHARON—Budd B. F. & Son
§Hoagland J. M. & Co.
McIntyre Wm. & Sons (Sewer, Macadam, etc)
Sharon Bldg. Co. (Ltd.)
Weaver C. C.
§Wishart A. & Sons Co.

SHARPSBURG—§Schran J. H.

SOUTH BETHLEHEM—Danzer Wm. F. & Co.
Pfeifle Robert

STEELETON—Muff G. & Co.
Wright E. B.

STROUDSBURG—§Palmer & Dreher
§Shiffer Bros.

SUNBURY—Keefer John S.
§Keefer Peter R.
Rockwell George W.
§Simpson John & Son

UNIONTOWN—Carr Jno. D.
Eggers Charles F. & Co.
Gibson & Knopp
Ingraham Wm. B.
Reagan & Lynch
South Penn. Bldg. Co.
Uniontown Construction Co.
§Vinto & Lyons
Wilkey & Baker

WARREN—§Baker Edwin F.
§Beck Edw. T. & Co.
Dunham O. E.
Engstrom & Samuelson
Gibson & King
§Hamm C. E.
Holmberg Salomon
Offerle & Smith
§Shaw Alex. L.
Swanson J. A.
Uhdey C. W.

WASHINGTON—Pickett Wm. & Co.
Vester, Stewart & Rossell Co.

WAYNE—Johnson Richard H. Co. (Excavating, Grading & Steam Shovel Work)
§Lengel Jonathan D.
Palmer Chas. B.
Rossiter J. Morris

WAYNESBORO—§Warner A. R.

WAYNESBURG—§Biggins Thos.
Blair W. F.

WEST CHESTER—§Baldwin C. R.
Burns Jos. M.
Corcoran Construction Co.
§Darlington Howard G.
Farra Harry W.
Farrell M. & T. E.
§Griffith E. R. & W. H.
§Jefferis P. E.
§Jones Wm. H.
§Smedley & Hoopes

WILKES-BARRE—Barney Chas. J.
Behrens O. J. & Son
§Curtis John & Co.
Dickover George T. & Son (Heavy Masonry, etc), Simon Long bldg
Dobson W. H.
Eckenrode Bros.
Eddy F. W.
Evans Bros. & Co.
Everman Edw.
Gaynor J. M. & Co.
Hildebrand A. M.
Hughes Richard
Isaacs R. D. & Son
James John E.
Kline Dan'l M.
Mandeville Co.
Melan Henry J.
Mitchell James J.
Ritchie John C.
Ross Giles
Roth M. L.
Schmitt John A. Sons
Schmitt & Co.
Shepherd Construction Co.
Thomas John R.
Walborn & Barney

WILKINSBURG—Adams Jacob A. & Son
Hoffman F. Co.
Holmes J. S. & Son (Brick)
Iron City Stone & Const. Co.
Lose W. L. Co.
Peffer E. Z.
Robinson & James
Smith S. L. & Co.
Steele Bros. (Brick)

WILLIAMSPORT—Bennett Jas. V. & Co.
Busch & Stewart
§Crandall Bros.
Coryell B. H.
§Everhart A. C. (Large)
Gehron Jacob & Sons
§Hartman Bros. (Builders, etc)
Hartman John H. & Bros.
Huffman's W. H. C. Sons
Kimble Walters S
Larrivee Sam'l (Large)
Waltz A. H.
Woodnutt C. E.

YORK—General Supply & Constr. Co.
§Gilbert Geo. W.
§Hake A. M. & Co.
§Menough Jas. L. & Son
York Bridge & Constr. Co.

RHODE ISLAND.

EAST PROVIDENCE—McCormick Joseph

NARRAGANSETT PIER—Briggs Geo. T.
Bristow John
Church J. Winfield
Congdon Alphonse
McIntosh, A. L.

NEWPORT—§Booth Alexander
§Curry Robert W.
Darling-Slade Const. Co.
Fagan & Gillis
Fludder A. J. (Mason)
§Johnston J. D.
Keeher Thomas F.
Kelly John J.
Kirwin Bros. (Masons)
McCormick M. A.
§McLean D.
§Mason J.
Radford John & Son (Mason)
Sullivan J. P. & Sons Inc.

Sullivan, J. F.
Tanner B. F.
White Benj. T. (Mason)
PAWTUCKET—Cruise & Smiley Const. Co.
§Greene, Philip
Kilroy Wm. E. Co. (Mason)
§Murphy Louis A.
Rowley Frank G. Co. (Heavy Construction)
Smiley Albert F.
Smith Benj. F. Co. (Large)
Willmarth-Mackillop (Inc.)
PROVIDENCE—Ahlborg Olaf, 17 Wildwood av
§Anderson A. M. Co., 31 Algonquin
Beck Vere W., 58 S Water
§Benson Emil & Son, 340 Willard
Bigney C. I. Constr. Co., 184 Washington
§Bishop J. W. Co. (Large)
Briggs Engng. & Constr. Co., 710 Union Trust bldg.
Buonanno & Marcello Co., 583 Laurel Hill av
§Candelet J. E. & Co., 9 Lackett
Carlson Oscar W., 86 Gallatin
§Douglas Wm. & Co., 109 Waterman
Famiglietti Bros. Co., 166 Broadway
Furlong John W. & Co. (Mason), 46 Benevolent
Gammino Frank A. (Sewer, Water Works, Highway, Railroad, etc.), 331 B'way
Gammino M. A. Constr. Co., 728 Valley
Gibbons Edward, 255 Washington
§Gilbane Building Co., Calverley
Halcrow Wm. J. Co., 88 Clifford
§Hope Building Co., Industrial Trust bldg
§Houlihan Michael J. (Large), Grosvenor bldg
Humes Construction Co., 76 Dorrance
§Interstate Const. Co., 334 Westminster
Lynch James H. (Cement), 501 River av
McKendall Frank D., 519 Charles
McKinnon Construction Co., 70 Water
§McLeod John, 517 Hope
MacDuff Robert A. & Co., 876 Richmond
Maguire Chas. B. Co., Turks Head bldg
Manchester Albert C. Co., 318 Dudley
Mauro Vincent, 203 Federal
Meyer Jacob A., 163 Rochambeau
Murray & Lamb, 44 Wendell
§O'Neill Maurice R., 149 Point
Pierce Frederick L., 201 Union Trust bldg.
Providence Bldg. Co., Grosvenor bldg
Purington O. D. & Co., Ind. Trust bldg
Soren & Kelman, 230 Saratoga
§Sundberg Nils M., 11 Somerset
Turgeon E., 86 Weybosset
Williams & Merchant Inc., 48 Barberry Hill
WAKEFIELD—Bell Louis F.
§Brown James W.
§Oatley Lincoln N.
§Potter Chas. F.
WARREN—Loughran Thos. J.
Smith Richard
WESTERLY—Eccleston Chas P.
Kenyon H. T. & Co.
Nardone Samuel & Co. (Masons)
Sherman Isaac
§Sherman's R. A. Sons Co.
WOONSOCKET—Aubin Wilfrid
Bouvier J. C. N.
Breault Geo. (Mason)
Daigneault A.
Eastern Const. Co.
Fleurant J. F. & Son

SOUTH CAROLINA.

ANDERSON—Guest G. M., Dept. H
CHARLESTON—Charleston Engng. & Contr. Co.
Simons, Mayrant Co. (Engrs. & Contrs)
CHESTER—§Carpenter J. C.
COLUMBIA—Black & Coulter Co.
McNulty F. D.
Waring Geo. W.
GREENVILLE—Allison, W. A.
Barr & Neal
Day-Kloeckler Bldg. Co.
Fiske-Carter Constr. Co.
Gallivan Building Co.
Jordan Bldg. Co.
Morrell Chas. E. Jr., P. O. Box 877
§Morris-McKoy Bldg. Co.
Potter-Shackelford, Inc.
§Skelton & Owens
NORTH CHARLESTON—Dixie House Co. (Fabricated)
ROCK HILL—Pope L. A.
*Stewart-Jones Co.
SPARTANBURG—Willard, Boggs & Co.

SOUTH DAKOTA.

ABERDEEN—Easton C. F. & R. B.
§Easton, Vance & Co.
Jonason S. W. & Co.
HURON—Jaehn Frank Const. Co.
Nelson Constr. Co.
Robertson James Madison
MITCHELL—Kings A. J. & Son
Rjodstrup Howard
RAPID CITY—Hutton & Lane
Ryther, L. R.
SIOUX FALLS—Sioux Falls Constr. Co.
WATERTOWN—Brickell Const. Co.
Atkinson C. H. Paving Co. (Concrete)
Gray Const. Co.
YANKTON—Ellerman & McLean
Goetz Const. Co.

TENNESSEE.

CHATTANOOGA—§Becking Geo. & Son, James bl.
Brandon D. F., James bl.
Chambers & Sons, James bl
Chickamauga Quarry & Const. Co., (Heavy Masonry, etc.), 1st Nat'l Bank bldg.
Hahn A. F., Chamberlin bldg
McDevitt & Fleming, 1st Nat. Bk. bldg
Moudy T. S. & Co., Chamberlin bl.
Sloan & Co. (Cement), 706 E 9th
Smallwood L. C. Contracting Co. (Bridges, Viaducts, Foundations, Retaining Walls, Water Works, Sewers (Disposal Plants, Dams, Tunnels, etc.), James bldg
Southern Paving Const. Co., Volunteer Life bldg.
Stein Construction Co., James bl
Wesco Co., Volunteer bl.
West Const. Co.
Wilson Mark K., 6th & Market
GALLATIN—§Simpson W. A. & Son
KNOXVILLE—Brimer & England Bros., Union Bk. bldg.
Dunn J. M. & Son, Broadway & Depot
MEMPHIS—Alexander James Const. Co., 388 N Front av.
Canal Const. Co. McCall bl.
Creson Robert F. & Co., Turley bl.
Ester-Williams-Ragsdale Co., Scimitar bldg.
Koehler Bros. (Paving), 68H Court
Koehler Paul J. (Paving), 68H Court av
McGinnis N. C. & Co. (Drainage), Exchange bldg.
McWilliams Co. (Dredging), Dept. H, Exchange bldg.
Miller A. Co. (Sewer & Paving), 556 Suzette
Olson A. J. Constr. Co., Exchange bldg
§Roach M. J. & Co., No Mem Sav Bk. bldg
§Roach & Stansell, No Mem Sav Bk bldg
Streicher H. P. Co.
§Thomas D. D. & Son, 463 N Dunlap
Young F. B. & Son (General), Bank of Commercial
NASHVILLE—Bush Building Co., 174 3rd av. N
***Foster & Creighton Co. (Large Masonry, Bridge, Railroad, Dams, etc)**
Fulcher Brick Co., Lebanon pk.
Griffin H. & Bro., Prtrs. al
Holladay E. G. Const. Co., 9th av. N
Leftwich W. M. Co., Presby. bldg.

TEXAS.

AUSTIN—Fiegle Geo.
Fisher & Lambie
§Johnson J. F., Littlefield bldg
Ledbetter & Greathouse
BEAUMONT—International Creosoting & Const. Co.
CLINE—Uvalde Rock Asphalt Co.
DALLAS—Callahan W. E. Constr. Co.
Klein Bros. Co.
Moore G. W. Const. Co.
Standard Engng. & Constr. Co.
Texas Bithulithic Co. (Paving)
§Watson Co.
DENTON—Whitlock M. B. & Co.
EL PASO—Carson Nick H.
Dudley & Orr
Manning L. H. & Co., Inc.
Morgan J. E.
Ponsford H. T.
Sollitt Sumner Co.
Ware Vernon E.
FORT WORTH—Davis B. F. & C. M. Co.
General Construction Co.
Lusher & Rockett
GALVESTON—§Bowden Miles C.
Bowers Southern Dredging Co. (Marine)
§Coyle Bros.
Haden Wm. D. (Paving & Dredging)
International Creosoting & Const. Co.
§Janssen Wm. H.
Lucas Wm.
Suderman & Young
Vantrin Peter J. (Paving)
§Zempter J. W.
GRAHAM—Foote Charles H.
HOUSTON—American Const. Co. (General)
Antill James
Atlantic Gulf & Pacific Co.
Central Contracting Co., West bldg
***Horton & Horton (R R & General)**
Humphreville W. E.
Lockett A. M. & Co. (Ltd.)
Lucas A. T.
Price A. D. Co.
STEWART JAS. & CO. INC., 1st Natl. Bank bldg
Texas Bitulithic Co. (Paving)
SAN ANTONIO—Alamo Constr. Co.
Boelhauwe Chas. G.
Coleman & Jenkins
Elder Construction Co.
Hagy John
Jones H. M. Constr. Co.
McKenzie Constr. Co.
Richter C.
§Scott H. L. & Co.
Walsh & Burney
Weston & Kroeger
Wright & Sanders
SEGUIN—Goodrum John W.
WEATHERFORD—Texas Bridge Co. (Steel & Concrete), Dept. H

UTAH.

LOGAN—Worley & Nelson
OGDEN—*Corey-Taylor Constr. Co.
Intermountain Concrete Co.
§Isakson P. A.
*Utah Constr. Co.
Wheelwright Constr. Co.
PRICE—Harris C. S.
SALT LAKE CITY—Adamson G. H., 1325 Green
Alston & Hoggan, Contl. Nat. Bk. bldg
Baum H. W. Co., Walker Bank bldg
Biesenger Geo. L., 865 Downington av
Burke J. J. & Co., Kearns bldg
Campbell Bldg. Co., Newhouse bldg
Chamberlain R. T. & Sons, 142 E 5th, So
*Christensen Constr. Co., Felt bldg
Dean W. J., 1861 10th, E
Dundas E. H., 1501 2d, E
Gibbons & Reed Co.
Gilkerson Constr. Co. (Paving), Ness bldg
Gray G. G., 51½ W 3d, South
§Hodgson Oliver, 265 E 7th, So
Holt John, 950 E 1st, So
Lynch Constr. Co., McIntyre bldg.
Moran P. J.
Nilson Olaf, 1966 4th, E
Richards W. B. Jr., 2026 McClelland
Salt Lake Mill Co.
§Schraven J. F. & H. E.
Smith Enoch, Kearns bldg
§Timms Thos. L., 253 6th av
§Vadnais H. L., 22½ W 7th, So
Villadsen Bros. Inc. (Concrete Reinforcing & General), H. Dooly bldg
*Wattis L. R. Co., Newhouse bldg
§Wheelon E. R., 825 E 9th, So

VERMONT.

BENNINGTON—Carpenter T. A. & Sons
§Rockwood & Buss
BRATTLEBORO—§Croll Geo.
§Hall Ernest S.
§Holden E. M.
§Pellett & Skinner
BURLINGTON—Bergerson J. L. & Son
Lapoint & Sullivan
Spear Bros.
MIDDLEBURY—Rogers & Wells
Ross C. W.
RICHMOND—§Terrien A. & Co. (Masons)
RUTLAND—§Remington F. H.

VIRGINIA.

BERKLEY—Jones John W.
CHARLOTTESVILLE—§King Lumber Co.
CLIFTONFORGE—Emswiler L. A.
DANVILLE—Deitrich Wm. H.
Osborne H. A. & Son
Pearson H. T.
FREDERICKSBURG—Heflin, E. G.
Stearns Frank P.
GROTTOES—Eutsler Bros.
HAMPTON—§Richardson R. V.
Tennis F. L. (Bridge & Wharf)
LYNCHBURG—Bennington S. B.
Hamilton Bros.
Hancock C. W. & Son
McKinney J. T. Construction Co.
Moormon Bros. Co.
§Pettyjohn J. P. & Co.
Smoot & Sheehan
Snead W. B. & Co.
Womack C. W. & Co.
NEWPORT NEWS—Alsop & Peirce (Industrial Plants)
§Antonio & Smith
Davis J. W.
Downing J. E.
Harwood & Moss
Phillips D. E.
Williams J. H. & Co.
NORFOLK—Addenbrook's J. U. Sons (Cement)
Baker & Brinkley
Barclay John E.
Brent W. F.
Cahoon & Hudgins
Consolvo & Overmyer
Cox G. F.
Gregory W. T.
§Griffin Bros.
Hart Edward
McGuire F. J. (Sewer)
Minter E. W. Co., Inc., Nat'l Bank of Commerce
Myers E. L.
Nichols & Lindeman
Norfolk Dredging Co. (River & Harbor)
Pierce John H.
Porter J. N. W.
*Sanford & Brooks Co. (R. R. Dredging, Harbor & Government Work)
Sawyer W. F. & J. T.
Thurston W. P. Co., 1103 E Main
Turpin J. A.
Williams S. G. & Co.
PETERSBURG—Brister & Knowles
Harrison Const. Co.
Perkinson & Finn
Rowell J. C.
PORTSMOUTH—Boswick Jas. R
Hutchins S. B. Jr.
Ogg A. (Stone)
RICHMOND—Ancarrow Newton E.
Anderson R. M. & Co., Lyric bldg
§Atkinson J. W.
Bass E. L. & Bros., 708 Bainbridge
Beazley J. C. Co., 205 E Canal
§Beveridge W. H. Jr.
Black K. L. & Co., Inc., 110 N. 7th
Bradley W. B. Const. Co., nr 17th

(Continued on following page)

Contractors (Building & General)—Continued

VIRGINIA—RICHMOND—Continued
Calligan A. H. & Co., 1001 E Main
Davis Bros. Inc.
Ferguson H. E.
Fox Jas. & Sons
Gasser Chas., 814 W Cary
George H. H. Jr., 1831 Monument
Gilman J. W. & Son, 1102 E. Main
§Houston A. C. & Son
Jenkins L. Chastine
McClay A. W.
Matthews Harry L.
Maynard A. W. (Paving & Sewer)
§Newell T. D.
§Newell Wm. B.
§Nuckols John T.
§Pollard C. W.
Ragland W. L. & Son
Siewers Richard A.
Tiller Geo. W.
Virginia Realty & Constr. Co., Inc., 1422 W. Gary
Walkup Alva M. Co.
§Wilson John T. Co. (General), Mutual bldg
*Winston & Co., Amer Nat Bk bldg
Wise Granite & Constr. Co.
ROANOKE—Boxley W. W. & Co., 1st National Bank bldg
Markley C. (Municipal)
Marshall A. L.
*Sheahan Constr. Co.
*Williams Bros. Constr. Co.
STAUNTON—Blackburn John H. & Son
SUFFOLK—*Darden J. M.
Stallings A.

WASHINGTON.

ABERDEEN—Creech & Walker Const. Co
BELLINGHAM—Booker & Campbell.
Chishom C. H.
Dickinson Geo. A. (Excavating)
Lind C. E. (Grading)
Sauset K. (Street & Sewer)
§Trede John H.
BREMERTON—Kenyon Jas S.
CENTRALIA—Johnson & Brown
COUPEVILLE—Todd & Lyons
ELLENSBURG—§Ackley & Luff
Ames Wm. O.
Ferrier E. L. & Co.
EVERETT—American Pile Driving Co. (Bridge & Concrete Works, etc)
Everett Const Co.
§Kelly C. & Son
McAdam R. B.
Snyder J. B.
§Wright H. S.
KENNEWICK—§McReynolds A. V.
OLYMPIA—Weller W. A.
White & Wright
SEATTLE—Bennett Frank H.
Booker, Kiehl & Whipple, Central bldg
§Boutan Victor, 1519 Terry
Bromley H. C.
Brown Robert, 115 N 10th
Butler W. T., 527 Central bldg, Seattle, Wash.
Clapp J. M. (Engr & Contr)
Craftsman Bungalow Co., Empire bldg
*Daley Chas. & Co., Railway Exchange bldg
Ellis L. R.,Central bldg
Factribilt Co. (Building), 1828 9th av
Galber John
Gerrick & Gerrick, Central bldg
Hoard M. & Co., Pantages bldg
McEachern J. A. Co. (Bridges, Piers Foundations, etc)
McHugh P. J. Paving & Construction Co.
McLellan Frank X.
Macrae Bros.
Meismer W.
*Morris C. L. (R R, Paving, Sewer Irrigation etc)
Nettleton-Bruce-Eschbach Co.
Pacific States Constr. Co., Colman bldg
Pederson Hans
Puget Sound Bridge & Dredging Co. (General Contractors, Hydraulic Filling & Excavating), Central bldg
Quist A. W., H, Hoge bldg, Seattle, Wash.
Rice L. M. & Co. (Hydraulic & R R Engrs. & Contrs.)
Rounds-Clist Co., Walker bldg
Smith Grant & Co.
Sound Construction & Engineering Co
Stillwell Bros., Inc.
Sylliaasen & Sando, Downs bldg
SPOKANE—Boyles Bros. (Diamond Drilling), Peyton bldg
*Carlson G. A. & Co., Realty Bldg.
Carlson-Norman Co. (Highway), Realty bldg.
§Colonial Building Co., Hutton bldg.
Diamond Drill Contracting Co. (Diamond Core Drilling), 429 1st av
Glasser Construction Co., Hutton bldg
Huetter Construction Co., 1101 N Division
International Diamond Drill Contracting Co.
Keystone Drill & Machine Co. (Drilling Contractor), 1220 W. Ide
Mitchell Bros., E 127 Mission
Phair Fred, 416 2d
*Porter Bros. Co. (Railroad & Public), Old Natl Bank bldg
Rajotte Fobart & Winters, Realty bldg.
Root & Joslin (Highway), Realty bldg.
*Siems & Carlson (Highway & Railroad), Realty bldg.
†Smith & Co., Grant, Fernwell bldg.
Triangle Construction Co. (Highway Work), Realty bldg.
*Welch P. & Co. (Public Works)
TACOMA—§Bonnell Jas. E. (Builder & General)
Breseman E. J., Perkins bldg
Burgeson Chas. F. & Son (Bridge, etc.)
§Cornell Bros. (Builders, etc)
Hurley-Mason Co. (Concrete, etc)
Knoell Bros., 1211 S L
Larson O. F., Prov. bldg.
McLean J. A.
Nichols J. M. & Co.
Tacoma Pile Driving & Const. Co.
Walla Walla Const. Co. (General)

WEST VIRGINIA.

CLARKSBURG—Hanley E. A., 148 Ocello
Richards Constr. Co.
Shrum Andrew L. & Co. (Brick)
FAIRMONT—Holbert & Spedden Co.
Kisner John M. & Bro. Lumber Co.
Minor C. E.
HUNTINGTON—Hamill R. H. Co., R. & P. bldg
Henson P.
McNulty C. W. Co.
Taylor V. E.
KEYSER—Liller W. A.
Moran L. E. (Mason)
MORGANTOWN—Chaplin Benj. M. Co
PARKERSBURG—Keenan Samuel
WHEELING—Butts J. R. Sons Co.
Byrum's R. L. Sons Co. (Industrial Housing), Wheeling Bank & Trust bldg
Fair H. W.
Kitchen R. R. Co., National Bk. bldg
Woods J. Lee & Son

WISCONSIN.

ANTIGO—Otis J. W.
APPLETON—Appleton Const. Co.
Blake Constr. Co.
Campbell & Morgan (Cement)
Green & Sons Co.
§Hegner Construction Co.
Miller Edw. F. Inc.
ASHLAND—§Pugh & Rundlett
Sandstrom John
Scott-Taylor Co.
Tomlinson Frank
Tomlinson & Egan
BARABOO—§Graf Henry C.
§Isenberg Bros.
Judevine A. & H.
BELOIT—Cunningham Bros.
Dearhammer A. L.
Magill W.
Quinn W. H.
BERLIN—Ceman Julius F.
§Kramp A. J.
EAU CLAIRE—Eau Claire Constr. Co.
Fish E. M. Co.
§Hoeppner-Bartlett Co.
FOND DU LAC—Hutter Const. Co.
Immel Const. Co.
§Nickel-Lyneis Constr. Co.
O'Connell Thos.
GRAND RAPIDS—Arpin J. B. Dredging Co. (Marine)
Rood Constr. Co.
GREEN BAY—Agamite Edward
Garot Edward (Sewer)
Green Adolph (Public Work)
Grelling Bros. Co. (Harbor & Public)
Selmer Henry J.
Servotte Ernest W.
JANESVILLE—Cullen J. P. Construction Co.
Denning J. A.
Donahue Edward
§Ford, Boos & Schoof
Hager Julius (Mason)
Janesville Contracting Co.
Summers A. & Son
§Van Pool Bros.
JEFFERSON—Krusing Geo. G.
KENOSHA—Jensen Emil
Knudson Knud P.
Larsen Fred (Mason)
Windorf Bros.
LA CROSSE—Funk & Rasmussen, 28th & Main
Kaaz August, 1220 Mississippi
Knudson Lewis, 616 Main
Lacrosse Stone Co. (Paving, etc.)
Luening Eugene H., 1135 State
Mitchell A. H.
Molzahn Theodore J., 306 S. 4th
Nelson Peter & Son
Noble C. W., 206 State Bank bldg
Preeschle Max, 414 S. 9th
Rochelt Frank, 1314 Johnson
Schwalbe Frank R. & Sons
Stormost Jas. & Son
Wallace J. E. (Mason)
Wooley Thomas E. (Paving, Bridges & Dams), 148 West
LAKE GENEVA—§Soutar R.
LANCASTER—Brooker Robert
Rich C. E. & Co.
MADISON—Blake John T. (Cement)
§Capital Constr. Co.
Copps Bros.
Doran M. M.
Faber Peter
Fass Jas. & Co.
Findorff J. H.
Frederickson A. D. & J. V.
Fritz C. B. & A. K.
Gilbert L. B.
Hanson Fred
Lustscher Jacob J.
McCarthy T. C.
Mitchell J. W.
Morgan & Morgan (Masons)
Quinn Nicholas
MANITOWOC—Gray-Robinson Constr. Co.
McMullen & Pitz
Tomcheck A. C.
MARINETTE—Utke Julius E.
MERRILL—§Torkelson & Hesterman
MILWAUKEE—Badger Constr. Co., Ry. Exch. bldg
Barber Asphalt Paving Co. (Paving), 1st Nat'l Bank bldg
§Brockman Sam'l J., 444 Milwaukee
§Buestrin Const. Co. (Wrecking, General Bldg), 567 E Water
Christiansen Bros., 469 1st av
Columbia Constr. Co., 425 E Water (Railway)
Croft Stephen P. (Grading), 587 49th
Dahlman Const. Co., Majestic bldg
Danielson Daniel, 874 Layton blvd
Donahue J. & Sons (Paving, Grading & Teaming), 318 Bradford av
Emerson F. M., 1570 Stowell pl
Forrestal Chas., 2908 Chestnut
Foster Const. Co., Caswell blk
§Fuldner Const. Co. (Concrete), Majestic bldg
Gillen Edw. E. Co. (Dock Dredging & Piling, etc.), 288 E. Water
Great Lakes Dredge & Dock Co. (Dock Dredging & Piling), 1491 Canal
Hanel A. B. Co., 118 Locust
Hildebrand Fred (Grading), 1315 Forest Home av
Hoeppner Richard (Mason), 1815 Teutonia av
Hohensee Herman (Sewer), Oakland & Linnwood av
§Holstein Aug., 1726 Chestnut
Jeske Gust. J. & Son (Mason),, 1089 Richards
Jones John P. (Mason), 386 Kenilworth pl
Kasdorf Walter G., 1099 Halton
Kelling H. C. Const. Co., 885 7th
Kiesslich Ed. R. (Concrete), Hartford & Maryland avs
Kroening Construction Co. (Mason), Majestic bldg
§Langenberger Const. Co., 302 6th
Luenzmann Frank Co., 1912 Prairie
Madson, Christensan & Ingbretson, 379 31st av
Meredith Bros. Co., 1043 Kinnikinnic av
Milwaukee General Constr Co., 857 8th av
§Monsted A. Co., Pabst bldg
Newton Engng. Co., 221 Grand
§Nuedling A. & Son, 998-16 (Mason)
Pfister Ludwig O. (Grading), 600 21st av
Raulf The Co., Patton bldg
§Reinhardt C. H., 436 20th
Reisinger Robt. L. & Co. (Mason), First Nat'l Bank bldg
Rice P. J. (Sidewalk), 459 Layton blvd
Riesen Arthur W., University bldg
Riesens Paul Sons, 1018 Humboldt av
§Schmitt H. & Son, 430 Farwell
Siesel S. M. Co., 160 Ogden av
Sneddon D. M. Co., 635 Wentworth av
Steigerward Ed. & Sons (Mason), 2303 Galena
Szukalski Thomas (Sewers), 1089 American
Taddey F. W. (Mason), 1705 Chestnut
Tubesing Wm. F. Co. (Concrete), 139 Chestnut
§Tulgren Martin & Sons, 425 E Water
Vitrolite Constr. Co., Caswell blk
Werner Washington T. (Sewers), 632 52nd
White Const. Co. (Paving), 425 E Water
§Williams Wm. G., 352 Jackson
Winter Wm. F. (Mason) 1025 2nd
Worden-Allen Co. (General), Pt. Washington rd
Wussow H. A. (Grading), 191 Concordia av
Yunker Bros. (Mason), 615 37th
MONROE—Isely Samuel
Wagner & Bauman
NORTH MILWAUKEE—Coddington Engineering Co. (General)
Ideal Constr. Co. (Sewer)
OCONOMOWOC—Anderson G.
Otto E. O.
Nelson Webster Const. Co.
OSHKOSH—Fluor Bros. Const. Co.
Ganther & Kroyer
Johnson Chris & Son (Sewer & Paving)
Larsen Construction Co. (Street Work)
§Mace Edw.
Marden P. L. & Bro. (Paving)
Meyer C. R. Sons Co.
Rasmussen John & Sons Co. (Sewer, Excavating, Grading, etc.)
PLYMOUTH—Radloff Frank
Schultz C. B.
PORTAGE—Brodie Harry C.
RACINE—Birdsall R. R. Const. Co. (Public)
Bondgard & Christianson Construction Co. Inc.
Cape Jas. & Sons Co. (Sewer, Paving, Excavating, etc)
§Greene F. J. Engng. Wks. (Public)
Harding E. R. Co.
Kapple Andrew C
Nelson & Co.
RICHLAND CENTER—Miner Co.
SHEBOYGAN—Ackermann Christ & Sons (Masons)
Braun J. M. (Paving)
Central Constr. Co.
Geib Frank
§Quasins Geo. H.

SUPERIOR—Dauplais A. J.
§Diffor John
Hill Wm. F.
Johnson & Baum
McKenzie Alex (General)
Russell Constr. Co.
Schmidt Bros. (General)
Whitney Bros. Co. (Marine)
TWO RIVERS—Reis John
Wolfe F. L.
WATERTOWN—Bartlett Edward (Sewer, Paving, etc)
Mallow & Kadditz (Masons)
WAUKESHA—Boortz Fred
Butler Constr. Co. (Sewer)
Dwinnell & Laughlin
§Smith Frank S.
WAUPACA—§Knudson H. P.
§Nelson A. G. Lumber Co.
Phillips C. H.
WAUSAU—Anderes John & Son
Krause F. W. (Building, etc)
WEST ALLIS—Marks Bros. Co.
Slattery Austin
WHITEWATER—Slattery Austin (Cements)
Whitewater Bridge Co.
Whitewater Constr. Co.

3044a—Contractors (Dam, Concrete and Masonry)

McMullen Arthur Co., 50 Church, New York
Western Bridge & Construction Co., Omaha, Neb.
White J. G. Engineering Corp., 43 Exchange pl, New York

3045 — Contractors (Docks, Bulkheads, Foundations)

Atlantic Gulf & Pacific Co., 21 Park Row, New York
Chesley, Earl & Heimbach (Inc.), 20 Breckenridge, Buffalo, N. Y.
MacArthur Concrete Pile & Foundation Co. (Foundations), 55 John, New York
Phoenix Construction Co., 41 Park Row, New York
RAYMOND CONCRETE PILE CO. (Concrete), 140 Cedar, New York
Steers Henry, Inc., 17 Battery pl, New York
White J. G. Engineering Corp., 43 Exchange pl, New York

3046—Contractors (Dredging)

CALIFORNIA.

OAKLAND—Veitch W. T. & Bro.
SAN FRANCISCO—American Dredging Co., 255 California
Antioch Dredging Co., 485 California
Bay & River Dredging Co., 465 California
Dutton Dredge Co., Mills bldg
Healey-Tibbitts Construction Co.
North American Dredging Co., Mer. Exch. bldg
Olympia Dredging Co., 249 1st
Pacific Coast Dredging & Reclamation Co., 112 Market
San Francisco Bridge Co., Nevada Bk. bldg
Standard Industrial Engng. Corp., Sharon bldg
Union Dredging Co., 465 California

CONNECTICUT.

BRIDGEPORT—Bridgeport Dredge & Dock Co.
NEW LONDON—Scott T. A. Co.

FLORIDA.

JACKSONVILLE—Ely Dredging & Construction Co., Clark bldg

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SAVANNAH—Ross P. Sanford, 16 Bryan, E Savannah Bank & Trust bldg

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Great Lakes Dredge & Dock Co., 104 S Michigan av
McWilliams Dredging Co. (Also Reclamation), 332 S. Michigan
PITTSFIELD—Wills A. V. & Sons

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ROYAL CENTER—Indiana Dredging Co.

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FRANKLIN—Huth N. G. Dredging Co. (Ltd.)
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MARYLAND.

BALTIMORE—Arundel Corp., Pier 2, Pratt
McLean Contracting Co., Fidelity bldg

MASSACHUSETTS.

BOSTON—Bay State Dredging & Contrg. Co., 62 Condor

MICHIGAN.

BENTON HARBOR—Bakeman Geo. F.
Mills G. A. & Son
DETROIT—Dunbar & Sullivan Dredging Co., Dime Bk. bldg.
Gray Edward, ft. Continental
HOUGHTON—Pryor Jas. & Son
PORT HURON—Muir-O'Sullivan Dredge & Dock Co.
SAULT SAINTE MARIE—Great Lakes Dredge & Dock Co.
Hickler Bros.

MINNESOTA.

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Great Lakes Dredge & Dock Co.
Zenith Dredge Co.
MINNEAPOLIS—La Crosse Dredging Co., 405 Plymouth bldg
Northern Dredge & Dock Co., 428 Met. Bk. bldg
ST. PAUL—Butler Bros., Exch. Bank

NEBRASKA.

OMAHA—Crane Fred M. & Co.
Pollard & Campbell

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ATLANTIC CITY—Hill Dredging Co.
BAYONNE—Packard R. G. Co.
CAMDEN—Am. Dredging Co.
JERSEY CITY—McSpirit John & Joseph, 118 Wayne
Ross P. Sanford, 277 Wash'n
Stillman F. M. Co., 26 Exchange pl
Taylor Dredging Co., ft Communipaw
Taylor & Pearson, 196 Virginia av

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Great Lakes Dredge & Dock Co., Morgan bldg
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Gahagan Walter H., 147 Remsen

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Du Bois Henry Sons' Co., 17 State
Empire Engineering Co., 6 Church
General Contracting & Engineering Co., 40 Rector
Maritime Dredging Co., 50 E 42d
Merritt & Chapman Derrick & Wrecking Co., 17 Battery pl
Morris & Cummings Dredging Co., 15 Moore
Spearin, George B., 90 West
Standard Engineering Co., 11 Pine
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OHIO.

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Central Dredging Co., Swetland bldg
Great Lakes Dredge & Dock Co., Williamson bldg
Rocky River Dry Dock Co., Blunt rd
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Breyman Geo. H. & Bros., Marine bldg
Gilmore Bros.
Thacher A. Q. Contr. Co., 6 Jefferson

OREGON.

PORTLAND—Columbia Digger Co., 180 Burnside

PENNSYLVANIA.

PHILADELPHIA — American Dredging Co., Marine & Merchant bldg
Philadelphia Transportation & Lighterage Co., 119 Walnut
PITTSBURGH—Enterprise Contracting Co., Bessemer bldg
Monongahela & Western Dredging Co. 7 Wood

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PROVIDENCE—Packard J. S. Dredging Co., Turks Head bldg
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Haden Wm. D.

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NORFOLK—Norfolk Dredging Co.
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PORTSMOUTH—Hoagland E. L.
Hoagland E. L.

WASHINGTON.

SEATTLE—Puget Sound Bridge & Dredging Co. (Hydraulic)
TACOMA—Tacoma Dredging Co.

WISCONSIN.

GRAND RAPIDS—Arpin J. B. Dredging Co.
GREEN BAY—Greiling Bros. Co.
MILWAUKEE—Gillen Edw. E. Co., 288 E Water
Great Lakes Dredge & Dock Co., 491 Canal
Starke C. H. Dredge & Dock Co., 216 W Water
SUPERIOR—Whitney Bros. Co.
TWO RIVERS—Two Rivers Dredge & Dock Co.

Contractors (Paving)

See Contractors, Building & General; also Contractors, Asphalt Paving

3047—Contractors (Pile Driving)

Crimmins Thos. Contracting Co., 126 E 59th, New York
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
McMullen Arthur Co., 50 Church, New York
Mervy-Elwell Co., Foot of 11th av, Oakland, Cal.
Robbins-Ripley Co., 50H Church, New York
Simplex Pile Foundation Co., H, Keystone bldg, Pittsburgh, Pa.

Contractors (Power House)

See Dock Builders

Contractors (Railroad)

See Names in Contractors, Building & General, Marked with a (*) Star

3048— Contractors (Waterworks)

See also Contractors, Building & General

Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
McDaniel C. E. (Domestic), Ottumwa, Ia.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Water Wks Equipment Co., 50 Church, New York

3049—Contractors (Wood Block Paving)

Booth & Flinn (Ltd.), 1942 Forbes av, Pittsburgh, Pa.
Consolidated Engineering Co., Calvert bldg, Baltimore, Md.
Fitzgerald W. J., Grand Central Terminal, New York
Hardner Geo. H., Allentown, Pa.
Republic Const. Co., 233 B'way, New York

3049a—Contractors' Equipments

Anderson W. H. Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
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See adv index at end of book

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Campbell Robert B. Co., 6 Beacon, Boston, Mass.
Clyde Equipment Co., Dept. H, 555 Thurman, Portland, Ore.
Dow David & Son, 1258 1st av S, Seattle, Wash.
Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*
Holmes Chas. A., 5370 Lawrence av, Chicago, Ill.
Hubbard-Floyd Co., Inc. (New & Used), 452 Lexington av, New York
Interstate Equipment Corp., 26 Cortlandt, New York
KLEINHANS H. CO., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
McGraw James, Inc., 10th & Carey, Richmond, Va.
Pacific Car & Foundry Co., H, Alaska bldg, Seattle, Wash.
Peterson Chas. J. Co. (Electric High Tension), 723 Fulton, Chicago, Ill.
Shannon J. Jacob & Co., 1744 Market, Phila., Pa.
SMITH T. L. CO., 1151 32d, Milwaukee, Wis. *See adv index at end of book*
Standard Supply & Equipment Co., 17th & Lehigh, Phila., Pa.
Steiner & Schneider (Dealers), 1604 Market, St. Louis, Mo.
Western Wheeled Scraper Co., Farnsworth, Aurora, Ill.
Whayne Roy C. Supply Co., 608 W Jefferson, Louisville, Ky.

3049b— *Contractors' Plants

JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*

KLEINHANS H. CO., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book

3049c—*Contractors' Plants (Asphalt)

See also Contractors' Asphalt

Cummer F. D. & Son Co., Superior Arcade, Cleveland, O.
Davis Norris K., 400 7th, San Francisco, Cal.

3050—Contractors' Portable Lights

Carbic Mfg. Co., 301 So 55th av, Duluth, Minn.
Handlan-Buck Mfg. Co. (Burns 100 H. P. Capacity), 210 3rd, St. Louis, Mo.
Kitson Hydro-Carbon Heating & Incandescent Lighting Co., 2819 Oakford, Phila., Pa.
MacLeod Co. (Oil & Acetylene), 2227 Bogen, Cincinnati, O.
See adv index at end of book
Milburn Alexander Co. ("Milburn," Self-Contained Acetylene), 1420 W Baltimore, Md.

Contractors' Portable Saw Rigs

See Sawing Rigs, Portable

3051—Contractors' Supplies (Second-Hand)

Brady M. F. Equipment Co., Yeon bldg, Portland, Ore.
Harrison John (Est. of), 169 South, New York
KLEINHANS H. CO., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Louis John C., 221 S Eutaw, Baltimore, Md.
MacGovern & Co., Inc., 114 Liberty, New York
Mertes Machinery Co., 240 Oregon, Milwaukee, Wis.
Mitshkun M. Co., 6575 Dix, Detroit, Mich.
Warner P. B., Barkley av. & Liston, Cincinnati, O.
Washington Machinery & Storage Co., 1900 W. Garfield, Seattle, Wash.

3051a—Contractors' Tools & Supplies

See the Specific Article Required

Also Barrows, Various Kinds; Blasting Fuse Caps, etc; Buckets, Dumping, etc; Cars, Various Kinds; Carts, Various Kinds; Concrete Mixers; Crowbars, etc; Crushers, Rock & Ore; Derricks & Derrick Fittings; Dredging Machinery Builders; Drills, Various Kinds; Dynamite Manufacturers; Engines, Hoisting; Hoists, Various Kinds; Jacks, Various Kinds; Locomotive, Industrial and Mine; Picks, Various Kinds; Pile Driving Machinery; Plows, Contractors'; Powder Manufacturers; Pumps, Centrifugal; Railways, Portable; Road Machines and Graders; Rollers, Various Kinds; Rope, Manila and Sisal; Shovels, Steam; Tents, Contractors'; Tools, Various Kinds; Wire Rope; Wire Rope Tramways

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American Hoist & Derrick Co., St. Paul, Minn.
Austin Machinery Corp., Dorr at Westwood av, Toledo, Ohio
BITTENBENDER CO., 126 Franklyn av., Scranton, Pa.
Bronx Derrick & Tool Co. (Second Hand), 143rd & Southern blvd, New York
Brown-Beves Co., Inc., 470 E 3rd, Los Angeles, Col.
Brown-Camp Hardware Co., Des Moines, Iowa
Capitol City Supply Co. (Road), Charleston, W. Va.
Carbic Mfg. Co., 301 S 55th av, Duluth, Minn.
CARPENTER GEO. B. & CO., 434 N. Wells, Chicago, Ill.
See adv index at end of book
Casanave Supply Co., 1933 Market, Phila., Pa.
Channon H. & Co., 339 W Randolph, Chicago, Ill.
Clark-Smith Hardware Co., Peoria, Ill.
Clyde Equipment Co., 522 1st av, Seattle, Wash.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Conboy John A. Co., 411H Perry bldg, Phila., Pa.
Concrete Machy. & Supply Co., 2014 Santa Fe av, Los Angeles, Cal.
Connelly F. B. Co. (Mfrs. Agents), Billings, Mont.
Continental Steel & Supply Co., 527 Howard, San Francisco, Cal.
Contractors Mchy. Exchange, 38 Stanford, San Francisco, Cal.
Contractors' Trading Co., Inc., 232 Fulton, New York
Cotton States Belting & Supply Co., Atlanta, Ga.
Crerar, Adams & Co., 259 E Erie, Chicago, Ill.
Crook H. E. Co., Inc., 28 Light Baltimore, Md.
Crowe F. T. & Co., 1177 Dock, Tacoma, Wash.
Crowe F. T. & Co., Seattle, Wash.
Crozier R. J. Co., 10 S. 18th, Phila., Pa.
Crumley-Sharp Hardware Co., Atlanta, Ga.
DANIELS C. R. Inc. (Tarpaulins, Canvas Covers etc. All sizes in stock. Canvas in every weight for every use. Manufacturers of everything of canvas), 114-115 South, New York
See adv index at end of book
Decker Adam Hardware Co., 347 Jackson, St. Paul, Minn.
Dehler Bros. Co., 116H E Market, Louisville, Ky.
Dienst A. P. Co., 2604 3rd av, New York
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Dodge Haley Co. (Dirs), 218 High, Boston, Mass.
Dooley Killian Co. Inc. (Second Hand), 26 Cortland, New York
Dunkle Arthur J. Co., 15 Park Row, New York
Dunning Carl Supply Co., Indianapolis, Ind.
Dyar Supply Co., 66 Broadway, Cambridge, Mass.
Eastern Penna. Supply Co., Wilkes-Barre, Pa
Elphinstone D. C., 408 Continental bldg., Baltimore, Md.
Empire Mach. & Supply Corp., Norfolk, Va.
Equipment Mfg. & Supply Co., 228 Church, Phila., Pa.
Factory Supply Co., 40 E Kinzie, Chicago, Ill.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Federal Hardware Co., 447 Greenwich, New York
Fitchburg Hardware Co., Fitchburg, Mass.
Fones Bros. Hdw. Co., Little Rock, Ark.
FOSTER MFG. & SUPPLY CO., 20th & Venango, Philadelphia, Pa.
Fox Bros. & Co., 126 Lafayette, New York
Frank Henry Jr., 374 Hudson, New York
Franklin Builders Supply & Coal Co., 400 W Broad, Columbus, O.
Franklin Machy. & Supply Co., 1915 Santa Fe av, Los Angeles, Cal.
FRICK & LINDSAY CO. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Geller, Ward & Hasner Hardware Co., 414 N 4th, St. Louis, Mo.
Glesener A. J. Co., 735 Folsom, San Francisco, Cal.
Gray & Dudley Hardware Co., Nashville, Tenn.
Green L. A. (Second Hand), First Natl. Bk. bldg, Pittsburgh, Pa.
Green G. S. Co., 74 Warren, New York
Hackley H. B. Equipment Co., 625 Market, San Francisco, Cal.
Haggerty J. Henry, 50 South, New York
Handlan-Buck Mfg. Co., 210-14 N 3rd, St. Louis, Mo.
Harry L. C. Co., 114 Liberty, New York
Harron, Rickard & McCone, 139 Townsend, San Francisco, Cal.
Hartford Contractors Supply Co., 409 Front, Hartford, Conn.
Harvey Co., 113 South, Baltimore, Md.
Haverstick & Co. (Jobbers), 45 Ford, Rochester, N. Y.
Hazleton Machinery & Supply Co., Hazleton, Pa.
Henion & Hubbell, 219 N Jefferson, Chicago, Ill.
Hermitage Hardware Co., Nashville, Tenn.
Hofius-Ferris Equipment Co., 17 S. Wash.,
Hyland R. H. Co., 221 W Huron, Chicago, Ill.
HYMAN-MICHAELS CO. (Relaying Rails, suitable for Contractors Locomotives & Dump Cars), 122 S Michigan av, Chicago
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Iron City Tool Works (Ltd), 3201 Smallman, Pittsburgh, Pa.
Ironbound Hardware & Supply House, 228 Ferry, Newark, N. J.
Irving Mfg. & Tool Co., 157 Chambers, New York
Jamestown Hardware Co., Jamestown, N. Y.
Jewel Supply & Equipment Co., 34 So Calvert, Baltimore, Md.
Johnston Wm. T. Co. (Full Line), 417 E 5th, Cincinnati, O.
Kaiser-Van Leer Co., Bloomington, Ill.
Keith, Simmons & Co., 414 Union, Nashville, Tenn.
Kelley E. B. Co., 130 N 42nd, New York
Kelley-How-Thomson Co., Duluth, Minn.
Kinsey E. A. Co., 331 W 4th, Cincinnati, O.
Kirk Supply Co., Farmers' Bank bldg, Pittsburgh, Pa.
KLEINHANS H. CO., Union Trust bldg, Pittsburgh, Pa.
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Lambert H. T. Co., Huntington, W. Va.
Lindsay J. L., Inc., 1321 E Main, Richmond, Va.
Lines Flynn Co., 30 Church, New York
Loeb Hardware Co., Montgomery, Ala.
Lombard Iron Works & Supply Co., Augusta, Ga.
Loomis C. H. & Sons Co., 310 Jelliff av, Newark, N. J.
Louer W. B. & Co., 11 E. Harrison, Chicago, Ill.
Louis John C., 131 S Howard, Baltimore, Md.
McClung C. M. & Co., Knoxville, Tenn.
McCoy Henry J. (Full Line), 25 Dey, New York
McGraw Co., Sioux City, Ia.
McGregor-Noe Hardware Co, Springfield, Mo.
McInnes Chas. E. & Co., Mariner & Merchants bldg., Phila., Pa.
Males Co. (General & R. R.), 2226 Fulton av, Cincinnati, O.
MANNING MAXWELL & MOORE INC., 100 E. 42nd, New York
See adv index at end of book
Manufacturers Selling Co., Trenton, N. J.
Marine Mfg. & Supply Co., 158 South, New York
Marsh Geo. C. & Co., Old Colony bldg, Chicago, Ill.
Marshall-Wells Co., Duluth, Minn.
Maryland Equipment & Supply Co. (Second Hand), Equitable bldg, Baltimore, Md.
Mayer Sidney E. Co., San Diego, Cal.
Mechanical Supplies Co., 220 E 3d, Cincinnati, O.
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Monighan Machine Co. (Hoisting Engines), 2032 Carroll av, Chicago, Ill.
Moore-Handley Hardware Co., Birmingham, Ala.
Morehouse & Wells Co., Decatur, Ill.
Morton Jas. & Son Co., Omaha, Neb.
Neal B. B. Hardware Co. (Shovels, etc), 235 Canal, New York
Northwestern Iron Works, Seattle, Wash.
O'Brien Machy. Co., 119H N 3rd, Phila, Pa.
Pacific Hoist & Derrick Co., 818 1st av S., Seattle, Wash.
Pattison W. M. Supply Co., 777 Rockwell av, Cleveland, O.
Penniman A. C. & Son Hardware Co., Fort Scott, Kans.
Penn Foundry & Mfg. Co., Reading, Pa.
Penn Mill & Mine Supply Co., 523 1st av, Pittsburgh, Pa.
Perrin, Seamans & Co., 57 Oliver, Boston, Mass.
Phillips, Victor L., 7th & Delaware, Kansas City, Mo.
Pidgeon-Thomas Iron Co., Memphis, Tenn.
Pittsburgh Gage & Supply Co., 30th & Liberty av, Pittsburgh, Pa.
Pollock Alex. Co., 203 West, New York
Queen City Supply Co., Pearl & Elm, Cincinnati, O.
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Reule Fred. Inc., Lafayette, Ind.
Richards & Conover Hardware Co., 5th, NW cor Wyandotte, Kansas City, Mo.
Ricker Machinery Co., Monadnock bldg, San Francisco, Cal.
Rogers H. A. Co., 87 Walker, New York
Rogers & Baldwin Hardware Co., Springfield, Mo.
Root, Neal & Co., 178 Main, Buffalo, N. Y.
Ross-Willoughby Co., 178 N 3rd, Columbus, Ohio
Sachs Wm. A., Germantown av & Girard, Phila., Pa.
Seyfert's L. F. Sons, Inc., 437 N 3rd, Phila., Pa.
Shannon J. Jacob & Co., 1744 Market, Phila., Pa.
Shapleigh Hardware Co., 4th & Washington av, St. Louis, Mo.
Sherburne & Co., 53 Oliver, Boston, Mass.
Sickels & Preston Co., Davenport, Ia.
Smith-Booth-Usher Co., 228 S. Central av, Los Angeles, Cal.
Smith-Courtney Co., Richmond, Va.
Smith & Sons Mfg. Co., Kansas City, Mo.
Smith T. L. Co., 1151 32d, Milwaukee, Wis.
See adv index at end of book
Snow, L. A. Co., 910 1st av S., Seattle, Wash.
Somers, Fitler & Todd Co., 325 Water, Pittsburgh, Pa.
Southern Supply Co., Norfolk, Va.
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Stroud & Co., Omaha, Neb.
Stulz-Sickles Co., 121 Lafayette, Newark, N. J.
Tennessee Mill & Mine Supply Co., 316 State Knoxville, Tenn.
Thompson W. A. L. Hardware Co., Topeka, Kan.
Todd-Donigan Iron Co., 813 W Main, Louisville, Ky.
Tucker Tool & Machine Co., 75 Murray, New York
Tullis-Gamble Hardware Co., Montgomery, Ala.
Turner Chas. A., Inc., 3rd av & Chancery, Pittsburgh, Pa.
Virginia Machinery & Well Co., 1319 E Main, Richmond, Va.
Vulcan Supply Co., 120 Sycamore, Cincinnati, O.
Walbridge & Co., 392 Main, Buffalo, N. Y.
Waldo Bros. & Bond Co. (Tools & Machinery), 181 Congress, Boston, Mass.
Walsh's Sons & Co., Inc. (Second Hand), 295-305 Passaic, Newark, N. J.
Warren Tool & Forge Co., 145 Griswold, Warren, Ohio
See adv index at end of book
Washington Machinery & Storage Co., 1900 W. Garfield, Seattle, Wash.
Webster F. I. Co., Greenfield, Mass.
West Va. Mine Supply Co., Clarksburg, W. Va.
Westtbrook John D., Inc., Norfolk, Va.
Western Metal Supply Co., San Diego, Cal.
Western Wheeled Scraper Co., Farnsworth, Aurora, Ill.
Willamette Equipment Co., Grasco bldg, Portland, Ore.
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Williams & Wells Co., 253 Fulton, New York *See adv index at end of book*
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Winchester-Simmons Co., 9th & Spruce, St. Louis, Mo.
Wing Robt. B. & Son, 358 B'way, Albany, N. Y.
Ziegler William H., 425 S 5th, Minneapolis, Minn.

3052— Controllers (Automatic Electric)

CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis.
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Decatur Pump & Mfg. Co., Decatur, Ill.
GENERAL ELECTRIC CO. (Generating Station Control), Schenectady, N. Y.
See adv index at end of book
Horace Remote Control Co., 12 Stewart, San Francisco, Cal.
Monitor Controller Co., 514 E. Lombard, Baltimore, Md.
Rowan Controller Co., The, 308 No Holliday, Baltimore, Md.
U. S. Air Compressor Co., Harvard av, Cleveland, Ohio
Ward Leonard Electric Co. (Automobile, Electric Lighting & Self Starting Dynamos), Mt. Vernon, N. Y.

3052a—Controllers (Chemical Feed)

Am. Water Softener Co., 4th & Lehigh av, Phila., Pa.
Builders Iron Foundry ("Venturi"), 9 Codding, Providence, R. I.

3053—*Controllers (Coal & Ore Bridge)

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3053a—Controllers (Combustion)

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Controllers (Crane)

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Controllers (Draft)

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Controllers (Drum, Electric)

See Controllers, Electric Hoist

3054—Controllers (Electric Elevator)

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Monitor Controller Co., 514 E Lombard, Baltimore, Md.
Otis Elevator Co., 26th & 11th av, New York
Portland Elevator Co., 480 E Mill, Portland, Ore.
Sterling Devices Co., 9 Lispenard, New York
Sundh Electric Co., 209 Parkhurst, Newark, N. J.
Warner Elevator Mfg. Co., Spring Grove av, Cincinnati, Ohio
WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa.
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3055— Controllers (Electric Fan)

CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
Westinghouse Electric Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

3056—*Controllers (Electric Hoist)

Allis-Chalmers Mfg. Co. (Liquid Type.), Milwaukee, Wis.
See adv index at end of book
CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
Westinghouse Electric Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

3057—Controllers (Electric Motor)

Allen-Bradley Co. ("Allen-Bradley"), 286 Greenfield av, Milwaukee, Wis.
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Anderson C. J. & Co., 212 W Austin, Chicago, Ill.

(Continued on following page)

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CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
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Safety Car Device Co. (Safety Street Car), 1932 N Broadway, St. Louis, Mo.
Sundh Electric Co., 209 Parkhurst, Newark, N. J.
Union Electric Mfg. Co. ("Uemco"), 110 Reed, Milwaukee, Wis.
Ward Leonard Elec. Co., Mt. Vernon, N. Y.
WESTINGHOUSE ELECTRIC & MFG. CO. (for Railway & Industrial Motors), East Pittsburgh, Pa.
See adv index at end of book

3058— Controllers (Electric Pump)

CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
Electric Controller & Mfg. Co., Cleveland, Ohio *See adv index at end of book*
Westinghouse Electric Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

3059—Controllers (Electric Speed)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Electric Controller & Mfg. Co., Cleveland, Ohio *See adv index at end of book*
Industrial Controller Co., 890 Greenbush, Milwaukee, Wis.
Jewell Electric Co., Munsey bldg, Baltimore, Md.
Lombard Governor Co. (For Water Wheels, etc), Ashland, Mass.
Monitor Controller Co., 514 E Lombard, Baltimore, Md.
Morgan Engineering Co., Alliance, Ohio
Sundh Electric Co., 209 Parkhurst, Newark, N. J.
Union Electric Mfg. Co. ("Uemco"), 110 Reed, Milwaukee, Wis.
Westinghouse Electric Mfg. Co. (Adjusting), East Pittsburgh, Pa.
See adv index at end of book

3060—Controllers (Emery Wheel Speed)

Ransom Mfg. Co. ("Ransom"), Oshkosh, Wis.

3061—Controllers (Fire & Flame Automatic)

Foamite-Childs Corporation, 101 Turner, Utica, N. Y.

3062— Controllers (Machine Tool)

CUTLER-HAMMER MFG. CO. (Electric), 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
Electric Controller & Mfg. Co., Cleveland, Ohio *See adv index at end of book*
Monitor Controller Co. ("Monitor"), 514 E. Lombard, Baltimore, Md.
Westinghouse Electric Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

3063—*Controllers (Magnetic Switch)

CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis.
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Electric Controller & Mfg. Co., Cleveland, Ohio *See adv index at end of book*

3064—*Controllers (Mill Table)

CUTLER-HAMMER MFG. CO. (Electric), 12th & St. Paul av, Milwaukee, Wis.
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Electric Controller & Mfg. Co., Cleveland, Ohio *See adv index at end of book*

3065— Controllers (Motor)

Allis-Chalmers Mfg. Co. (Liquid Type), Milwaukee, Wis.
See adv index at end of book
Bethlehem Shipbuilding Corp., Ltd. (Auxiliary Surface & Main), Dept. H, Broadhead & Parker av, Bethlehem, Pa.
CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
Laughlin Thos. Co. (Marine Apex Coaming, Deck, Spark & Throttle), 135 Fore, Portland, Me.
See adv index at end of book
Monitor Controller Co. ("Monitor"), 514 E. Lombard, Baltimore, Md.
Ward Leonard Elec. Co., Mt. Vernon, N. Y.

3066—Controllers (Printing Press)

CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book

Controllers (Pump)

See Governors, Pump: also Controllers, Electric Pump

3067— Controllers (Railway Motor)

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Westinghouse Electric Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

3068—Controllers (Rate, for Filters, Etc.)

Builders' Iron Foundry ("Venturi"), 9 Codding, Providence, R. I.
Norwood Engineering Co. ("Vivian"), Florence, Mass.
SIMPLEX VALVE & METER CO. ("Simplex"), 5718 Race, Phila, Pa.

3069— Controllers (Rheostatic)

CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
Electric Controller & Mfg. Co., Cleveland, Ohio *See adv index at end of book*
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Horace Remote Control Co., 12 Stewart, San Francisco, Cal.
Industrial Controller Co., 890 Greenbush, Milwaukee, Wis.
Monitor Controller Co., 514 E. Lombard, Baltimore, Md.
National Elec. Controller Co. ("National Furnaces, Glue Pots & Soldering Iron), 1544 Whiting, Chicago, Ill.
Ward Leonard Elec. Co., Mt. Vernon, N. Y.
Westinghouse Electric Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

3069a— Controllers (Steel Mill Motor)

Allis-Chalmers Mfg. Co. (Liquid Type), Milwaukee, Wis.
See adv index at end of book

3070—Controllers (Switch Circuit)

Hall Switch & Signal Co. (For R. R. Signal System), Garwood, N. J.
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3071— Controllers (Temperature)

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Bristol Co. ("Bristol Indicating"), Waterbury, Conn. *See adv index at end of book*
Ford Electric & Mfg. Co., 138 W 17th, Los Angeles, Cal.
FOXBORO COMPANY, THE ("Foxboro" Humidity & Pressure, Tempt. Recorder Controller), Foxboro, Mass.
See adv index at end of book
McAlear Mfg. Co. (Hot Water), 1901 S Western, Chicago, Ill.
POWERS REGULATOR CO., 2773 Greenview av, Chicago, Ill.
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3072—Controllers (Thermometer, Electric)

Railway Utility Co. ("Utility"), 721 Fulton, Chicago, Ill.

3073— Controllers (Vacuum)

Haines William S. & Co. ("Haines" Automatic), 12th & Buttonwood, Phila., Pa.
McAlear Mfg. Co. (Water Jet), 1901 So. Western av., Chicago, Ill.

3074— Controllers (Valve)

Beaumont Iron Works Co. ("Martin"), Beaumont, Texas.
Bristol Co. ("Bristol" Gas Oil & Electric), Waterbury, Conn.
See adv index at end of book
Horace Remote Control Co., 12 Stewart, San Francisco, Cal.
Swartwont Co. (Water Control), 18515 Euclid av, Cleveland, Ohio

3074a— Controls (Automobile Headlights)

Boston Tool & Mfg. Co. ("Dumore"), 262 Dover, Boston, Mass.
Raydex, Inc., Jamestown, N. Y.
Raydex Mfg. Co., Inc., Brackenridge, Pa.

3074b— Controls-Light (For Automobiles)

Fiat Lux Co., Hobart bldg, San Francisco, Cal.
Raydex, Inc., Jamestown, N. Y.
Raydex Mfg. Co., Inc., Brackenridge, Pa.

3074c—*Controls (Spark & Throttle)

WILCOX CRITTENDEN & CO. INC., (& Reverse), 444 S. Main, Middletown, Conn. *See adv index at end of book*

3074d— Controls (Water)

NASON MFG. CO. (Multiservis extreme automatic flexibility in widely varying apparatus), 71 Fulton, New York
See adv index at end of book

3074e— Controls & Gauges (Mercoid)

Federal Gauge Co., 564 W. Adams, Chicago, Ill.

3075—Converter Bottoms (Brick)

Chicago Fire Brick Co., 133 W Washington, Chicago, Ill.

3076—Converters (Bessemer)

Columbiana Boiler Co., Columbiana, O.
Pennsylvania Engineering Works, New Castle, Pa.
Petroleum Iron Works Co. of Ohio, Sharon, Pa.
See adv index at end of book
Pollock Wm. B. Co., Youngstown, O.
Reeves Bros. Co., The, Alliance, O.
See adv index at end of book
Riter-Conley Co., Oliver bldg, Pittsburgh, Pa.
Stoughton Bradley (Removable Bottom), 10 E 44th
Treadwell Construction Co., Midland, Pa.
Variety Iron & Steel Works Co., Hamilton av & E 40th, Cleveland, O.

3077— Converters (Copper)

Allis Chalmers Mfg. Co. (Complete Plants), Milwaukee, Wis.
See adv index at end of book
Colorado Iron Works Co., Denver, Colo.
Traylor Engineering & Mfg. Co., Allentown, Pa.
Worthington Pump & Machy. Corp., 115 Broadway, New York

3078— Converters (Electric)

Allis Chalmers Mfg. Co. (Rotary), Milwaukee, Wis. *See adv index at end of book*
Eck Dynamo & Motor Co., Belleville, N. J.
Fowler Lamp & Mfg. Co. ("Fowler" for Gas & Oil), 59 E 24th, Chicago, Ill.
General Electric Co. (Rotary), Schenectady, N. Y. *See adv index at end of book*
Union Iron Works Co. (For Copper), 20th & Michigan, San Francisco, Cal.
Wagner Electric Mfg. Co. ("Wagner" Single Phase, etc), 6400 Plymouth av, St. Louis, Mo.
Westinghouse Electric Mfg. Co. (Synchronous), East Pittsburgh, Pa.
See adv index at end of book

3079—*Converters (Frequency)

GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book

3080— Converters (Rotary)

Advance Elec. Co., 6315 Maple, St. Louis, Mo.
Allis-Chalmers Mfg. Co. (Electric), Milwaukee, Wis.
See adv index at end of book
Bodine Elec. Co., 2254 W Ohio, Chicago, Ill.
Electric Specialty Co., Stamford, Conn.
Fidelity Elec. Co., Lancaster, Pa.
Great Lakes Elec. Mfg. Co. ("Glemco" Small 1-11 kw.), 11-17 S Desplaines, Chicago, Ill.
Ideal Elec. & Mfg. Co., Mansfield, O.
Mechanical Appliance Co., Milwaukee, Wis.
Northwestern Electric Co., 408 S Hoyne av, Chicago, Ill.
Northwestern Mfg. Co., 480 Clinton, Milwaukee, Wis.
Pan Elec. Mfg. Co., 735 S 4th, St. Louis, Mo.
Peerless Elec. Co., 550 W Harrison, Chicago, Ill., & Warren Co.
Rochester Motor Co., 609 Driving Park av, Rochester, N. Y.
Roth Bros. & Co., 1400 W Adams, Chicago, Ill.
U. S. Elec. Mfg. Co., 300 S Central av, Los Angeles, Cal.
Victor Elec. Corp., 236 S Robey, Chicago, Ill.
Wagner Electric Mfg. Co. ("Wagner Quality"), 6400 Plymouth av, St. Louis, Mo.
Wesche Electric Co., B. A., 327 E 6th, Cincinnati, O.

3081—Converters (Steel Casting)

Bayonne Steel Casting Co., Bayonne, N. J.
Exeter Machine Works ("Lillenburg"), Pittston, Pa.
Stoughton Bradley ("Seco"), 10 E 44th New York
Tropenas Co. (Side Blown), 2243 Nostrand av, Brooklyn, N. Y.
Whiting Corp., Dept. H, Harvey, Ill.

3082—Converters (Steel, Side Blown)

Deemer Steel Casting Co. ("Deemer"), New Castle, Del.
Tropenas Converter Co., 2243 Nostrand av, Brooklyn, N. Y.
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.

3083-4— Converters (Wire Test)

Fowler Lamp & Mfg. Co. ("Fowler" for Motor Cars & Boats), 59 E 24th, Chicago, Ill.

Conveying Machinery

See Elevating & Conveying Machinery

Conveyor Belts

See Belting Mfrs., Conveyor

3085— Conveyor Parts (Manganese Steel)

Taylor-Wharton Iron & Steel Co., High Bridge, N. J.

3085a—Conveyor (Pivoted Bucket)

Jeffrey Mfg Co., 961 N 4th, Columbus, O.
See adv index at end of book

3085b—Conveyor (Portable Belt)

Jeffrey Mfg Co., 961 N 4th, Columbus, O.
See adv index at end of book

3086— Conveyor Troughs

Alvey-Ferguson Co., 70 North av., Oakley, Cincinnati, O.
Alvey Manufacturing Co., 3201 S. B'way, St. Louis, Mo.
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Columbia Steel Tank Co., 1625 W. 12th, Kansas City, Mo.
Conveyor Co., 140 W Elmyra, Los Angeles, Cal.
Dodge Mfg. Corp., Mishawaka, Ind.
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Hendrick Mfg. Co., Carbondale Pa.
Heyl & Patterson, 51 Water, Pittsburgh, Pa.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Littleford Bros., 444 E. Pearl, Cincinnati, O. *See adv index at end of book*
Nelson N. P. Iron Works, 216 40th, Brooklyn, N. Y.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Specialty Engineering Co., Trenton & Allegheny, Phila., Pa.
Standard Conveyor Co., N St. Paul, Minn.
See adv index at end of book

3086a— Conveyor (V Bucket)

Jeffrey Mfg Co., 961 N 4th, Columbus, O.

3087— Conveyor Weighers

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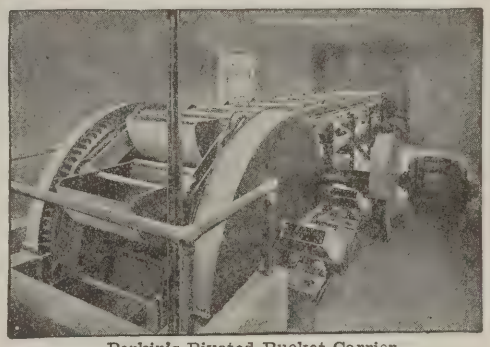
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3088— Conveyors (Apron)

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Alvey-Ferguson Co., 70 North av., Oakley, Cincinnati, O.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
BARTLETT & SNOW CO. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Brown Hoisting Machy. Co. (The), 4403 St. Clair, N. E., Cleveland, Ohio
See adv index at end of book
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Chain Belt Co. (Endless), 746 Park, Milwaukee, Wis.
See adv index at end of book
Dow Wire & Iron Works ("Dow" Steel & Wood), Louisville, Ky.
Fairmont Mining Machy. Co., Fairmont, W. Va.
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Howe Chain Co., Dept. H, Muskegon, Mich.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
Lamson Co., 100 Boylston, Boston, Mass.
LINK-BELT COMPANY (Steel), 300 W. Pershing rd, Chicago, Ill.
See adv index at end of book
Nelson N. P. Iron Works, 216 40th, Brooklyn, N. Y.
Northwestern Electric Co. ("Martin"), 408 S. Hoyne, Chicago, Ill.
Stearns Conveyor Co., St. Clair & E 200th, Cleveland, Ohio
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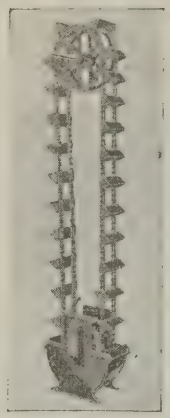
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Magnus Electric Co., Inc., 451 Greenwich, New York
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3090— Conveyors (Automatic Power)

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Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
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Fulton Iron Works Co., 1259 Delaware av, St. Louis, Mo.
Haslett Spiral Chute Co., 510-12 N 61st, Phila., Pa. *See adv index at end of book*
Lamson Co., 100 Boylston, Boston, Mass.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

3091— Conveyors (Bag Filler)

Alvey Manufacturing Co., 3201 S. B'way, St. Louis, Mo.
Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Dow Co., 201H N. Buchanan, Louisville, Ky.
Jeffrey Mfg. Co., 961 N Fourth, Columbus, O. *See adv index at end of book*
Lamson Co., 100 Boylston, Boston, Mass.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book

3092— *Conveyors (Batch)

Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Stearns Conveyor Co., St. Clair & E 200th, Cleveland, Ohio

3093— Conveyors (Belt)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
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ALVEY-FERGUSON CO., 70 North av, Oakley, Cincinnati, O.
Alvey Mfg. Co., 3201 B'way, St. Louis, Mo.
American Road Machinery Co. ("Champion"), Kennett Sq, Pa.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
BARTLETT & SNOW CO. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Batavia Engineering Works (Troughed), Batavia, Ill.
Beaumont R. H. Co., 393 Arch, Philadelphia, Pa.
BODINSON MFG. CO., 11 Minna, San Francisco, Cal.
Bonnot Company, 722 Mulberry rd, S E, Canton, O.
Boston Belting Corp., 80 Elmwood av, Boston, Mass.
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Christian Joseph D., 251 Tehama, San Francisco, Cal.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Conveyor Co., 140 W Elmyra, Los Angeles, Cal.
Conveying Weigher Co. (Ball Bearing), 90 West, New York
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HASLETT CHUTE & CONVEYOR CO., Oaks, Pa.
Hettrick Mfg. Co., Toledo, O.
Howe Chain Co., Dept. H, Muskegon, Mich.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
KENNEDY VAN SAUN MFG. & ENG. CORP., 50 Church, New York
See adv index at end of book
Lamson Co. Inc. (for Carrying Money, Mail & Merchandise of Every Description), Syracuse, N. Y.
La Porte Mat. & Mfg. Co. ("Hercules" Flexible Steel), La Porte, Ind.
LINK-BELT COMPANY, 300 W. Pershing rd, Chicago, Ill.
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Mead-Morrison Mfg. Co. cor. Prescott & Orleans, East Boston, Mass.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Portable Machy. Co., Inc., Lakeview av, Clifton, N. J.
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ROBINS CONVEYING BELT CO., 15 Park Row, New York
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STANDARD CONVEYOR CO ("Portabelt"), N St. Paul, Minn.
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Strong Homer, Rochester, N. Y.
U. S. RUBBER CO., 1790 Broadway, New York *See adv index at end of book*
United Iron Works Co. Inc., Kansas City, Mo
Universal Tube Co., 120 N May, Chicago, Ill.
WEBSTER MFG. CO., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book
Weller Mfg. Co., 1856 N Kostner av, Chicago Ill.
Wolf Co., Chambersburg, Pa.
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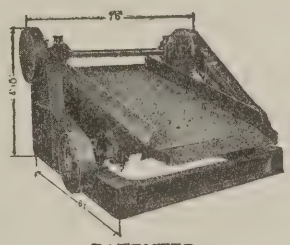
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Belt Conveyors—Belt and Bucket Elevators—Bin Gates—Car Dumpers—Coal and Coke Crushers—Coke Cooling Wharves—Loading and Unloading Towers—Portable Conveyors—Ore Bedding Equipment—Rotary Grizzlies for coal, coke and stone—Shaking Screens for crushed stone, sand, gravel, coal and coke—Skip Hoists—Stocking and Reclaiming Bridges with all accessories for complete coal handling systems.



Robins Standard 5-pulley Idlers in all sizes from 12" to 60". All pulleys in same vertical plane. Friction and "Timken" roller bearing types with grease cups or "Alemite" fittings.



PATENTED

The "Grasshopper" Shaking Screen for the smaller separations of Coal, Coke, Sand, Gravel, Crushed Stone, etc. When furnished with a double deck, will give three sizes.



The Robins Troughed Belt Portable Conveyor for handling Ashes, Coal, Coke, Crushed Stone, Ore, Sand and Gravel. No skirt-boards to damage top belt—arched frame protects bottom belt.

3094— Conveyors (Bottle)

Alvey Manufacturing Co., 3201 S Broadway, St. Louis, Mo.
Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Dow Co., 201H N Buchanan, Louisville, Ky.
Jeffrey Mfg. Co. (Dairy), 961 N 4th, Columbus, O.
See adv index at end of book
Lamson Co., Inc., Syracuse, N. Y.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
STANDARD CONVEYOR CO., N St. Paul, Minn.
See adv index at end of book
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book

3094a— Conveyors (Bread)

Alvey Manufacturing Co., 3201 S Broadway, St. Louis, Mo.
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
Lamson Co., 100 Boylston, Boston, Mass.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Standard Conveyor Co., N St. Paul, Minn.
See adv index at end of book
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book

3095—Conveyors (Brick & Clay)

Allis-Chalmers Mfg. Co. (Clay), Milwaukee, Wis.
See adv index at end of book
Alvey-Ferguson Co., 76 North av, Oakley, Cincinnati, O.
Alvey Mfg. Co. (Gravity Brick Carriers), 3201 S Broadway, St. Louis, Mo.
Arnold-Creager Co., New London, O.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
BARTLETT & SNOW CO., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Bodinson Mfg. Co., 11 Minna, San Francisco, Cal.
Bonnot Co. (& Clay Elevators), Canton, O.
Boston Belting Corp., 80 Elmwood av, Boston, Mass.
Bradney Mach. Co., Inc., Middletown, N. Y.
Caldwell W. E. Co. (Clay), Louisville, Ky.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Conveyor Co., 140 W Elmyra, Los Angeles, Cal.
Dow Co., 201H N. Buchanan, Louisville, Ky.
FABREEKA BELTING CO. (Avoid abrasive wear by using Fabreeka), 120 High, Boston, Mass.
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Fate-Root-Heath Co., Plymouth, O.
See adv index at end of book
Godfrey Conveyor Co. ("Godfrey"), Elkhart, Ind.
Hadfield-Penfield Steel Co. (The), Bucyrus, O. *See adv index at end of book*
Howe Chain Co., Muskegon, Mich.
Hunt C. W. Co (Clay), West New Brighton, N. Y. *See adv index at end of book*
Industrial Supply Co., Keokuk, Ia.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
Lamson Co., 100 Boylston, Boston, Mass.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Louisville Machine Mfg. Co., Louisville, O.
Marion Machine Fdry. & Supply Co. (Brick), Marion, Ind.
Mathews Gravity Carrier Co. (Gravity Brick Carriers), Elwood City, Pa.
Portable Machy. Co., Inc., Passaic, N. J.
Robins Conveying Belt Co., 15 Park Row, New York
See adv index at end of book
Standard Conveyor Co. (Ball Bearing Gravity), St. Paul, Minn.
STANDARD CONVEYOR CO. (Ball Bearing Gravity), N. St. Paul, Minn.
See adv index at end of book
Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.
WEBSTER MFG. CO., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.
Wellington Machine Co., Wellington, Ohio

3096— *Conveyors (Bridge)

LINK-BELT COMPANY, 200 W Pershing rd, Chicago, Ill.
See adv index at end of book
Robins Conveying Belt Co., 15 Park Row, New York *See adv index at end of book*

3097— Conveyors (Bucket)

See also Elevators, Bucket

Allis-Chalmers Mfg. Co. (Rock, Ore, etc.), Milwaukee, Wis.
See adv index at end of book
Alvey Mfg. Co., 3201H S Broadway, St. Louis, Mo.
Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Bodinson Mfg. Co., 11 Minna, San Francisco, Cal.
Brown Hoisting Machinery Co. (The), 4403 St. Clair, N E, Cleveland, Ohio
See adv index at end of book
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Chicago Automatic Conveyor Co., 37 W Van Buren, Chicago, Ill.
Howe Chain Co., Muskegon, Mich.
JEFFREY MFG. CO. (Pivoted), 961 N Fourth, Columbus, O.
See adv index at end of book
KENNEDY VAN SAUN MFG. & ENG. CORP., 50 Church, New York
See adv index at end of book
Lamson Co., 100 Boylston, Boston, Mass.
LINK-BELT COMPANY, 800 W Pershing, rd, Chicago, Ill.
See adv index at end of book
Marion Machine Foundry & Supply Co., Marion, Ind.
Stearns Conveyor Co., St. Clair & E 200th, Cleveland, O.
Stephens-Adamson Mfg. Co. ("S-A" Pivoted), Aurora, Ill.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book

Conveybrs (Cable)

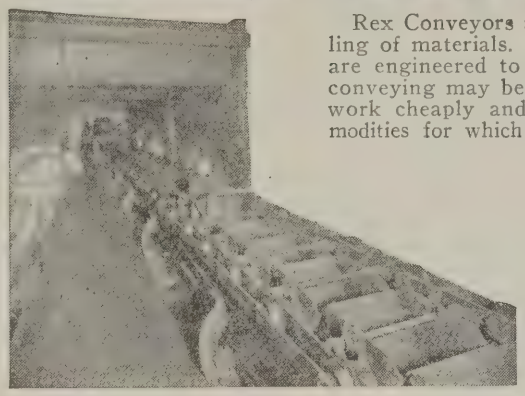
See Conveyors, Wire Cable; also Tramways Wire Rope

3098— Conveyors (Canners')

Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Alvey Manufacturing Co., 3201 S. B'way, St. Louis, Mo.
Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Bodinson Mfg. Co., 11 Minna, San Francisco, Cal.
Boston Belting Corp., 80 Elmwood av, Boston, Mass.

(Continued on following page)

REX CONVEYORS



Rex Conveyors are made for every conceivable use in the handling of materials. Many of them are standard in design. Others are engineered to fit specific cases. Whatever your problem in conveying may be there is a Rex Conveyor or Elevator to do the work cheaply and efficiently. Following are some of the commodities for which Rex Conveyors are being used:—

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Sand and Gravel	Packages, Boxes and Barrels
Lumber	Food Products
Cement	Automobiles in process

Send for descriptive literature and estimates

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746 Park Street
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Conveyors (Canners')—Continued

Chain Belt Co., 746 Park, Milwaukee, Wis. *See adv index at end of book*

Dow Co., 201H N. Buchanan, Louisville, Ky.

FABREEKA BELTING CO. (Fabreeka withstands the fruit juices and is washable), 120 High, Boston, Mass. *See adv index at end of book*

Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.

HUNT C. W. CO., West New Brighton, N. Y. *See adv index at end of book*

JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*

Lamson Co., Inc., Syracuse, N. Y.

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*

Pacific Conveying Machinery Co., Lakeport, Cal.

Robins Conveying Belt Co., 13 Park Row, New York *See adv index at end of book*

STANDARD CONVEYOR CO., N St. Paul, Minn. *See adv index at end of book*

WEBSTER MFG. CO., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.

3099— Conveyors (Cement)

Allis-Chalmers Mfg. Co. (Bucket, Flight, Apron, Pan), Milwaukee, Wis. *See adv index at end of book*

Alvey Mfg. Co., 3201H S Broadway, St. Louis, Mo.

Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O. *See adv index at end of book*

CHAIN BELT CO., 746 Park, Milwaukee, Wis. *See adv index at end of book*

Dow Co., 201H N. Buchanan, Louisville Ky.

FABREEKA BELTING CO. (Fabreeka stands long abrasive wear), 120 High, Boston, Mass. *See adv index at end of book*

Howe Chain Co., Muskegon, Mich.

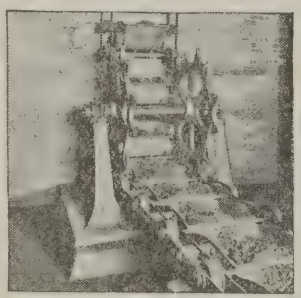
JEFFREY MFG. CO., 961 N. 4th, Columbus, Ohio *See adv index at end of book*

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*

Robins Conveying Belt Co., 15 Park Row, New York *See adv index at end of book*

Standard Conveyor Co., N. St. Paul, Minn. *See adv index at end of book*

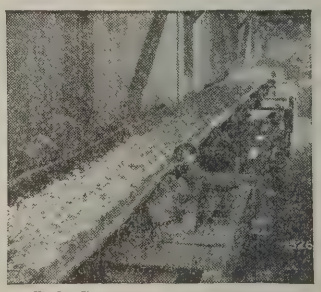
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*



Pivoted Bucket Carrier handles both Coal and Ashes

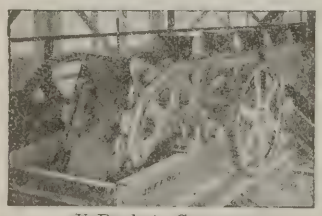
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Wood and Steel Apron, Bucket, Pan, Spiral, Scraper, Rubber Belt, Wire Cable and other types for economical handling of all kinds of bulk and package materials.

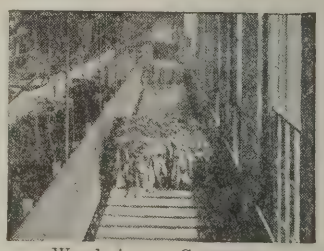


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V-Bucket Conveyor



Wood Apron Conveyor

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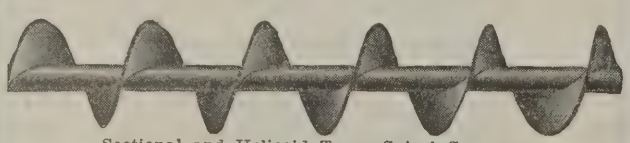
The Jeffrey Mfg. Co.

961-99 North Fourth Street, Columbus, Ohio

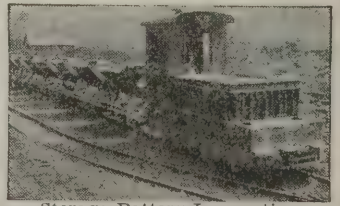
(Refer to Jeffrey Offices in Address and Local Distributors' Section)



Scraper Type Conveyor



Sectional and Helicoid Types Spiral Conveyor



Storage Battery Locomotive

3100— Conveyors (Chain)

Allis-Chalmers Mfg. Co. (Sawmill, Grizzlies, etc.), Milwaukee, Wis.
See adv index at end of book

ALVEY-FERGUSON CO., 70 North av, Oakley, Cincinnati, O.

Alvey Mfg. Co., 3201 S B'way, St. Louis, Mo.

Bailey-Burruss Mfg. Co., Atlanta, Ga.

BARTLETT & SNOW CO. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book

Bodinson Mfg. Co., 11 Minna, San Francisco, Cal.

Brinkley Co., 651 Alaska, Seattle, Wash.

BROWN HOISTING MACHINERY CO. (THE), 4403 St. Clair, N.E., Cleveland, Ohio. *See adv index at end of book*

CALDWELL & SON CO. H. W., 1700 S Western av, Chicago

Caldwell W. E. Co., Louisville, Ky.

CHAIN BELT CO., 746 Park, Milwaukee, Wis. *See adv index at end of book*

Dow Co., 201H N Buchanan, Louisville, Ky.

Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.

Garland M. Co. (Steel Chain), Bay City, Mich.

Great Western Mfg. Co., Leavenworth, Kans.

Haslett Chute & Conveyor Co., Oaks, Pa.

HOWE CHAIN CO., Muskegon, Mich.

Howe Scale Co. of Illinois, 1222 S Wabash av, Chicago, Ill.

JEFFREY MFG. CO., 961 N 4th, Columbus, Ohio
See adv index at end of book

Koehler Bros., Saginaw, Mich.

Lamson Co. Inc., Syracuse, N. Y.

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

Nelson N. P. Iron Works, 216 40th, Brooklyn, N. Y.

Savage W. J. Co., Knoxville, Tenn.

Union Chain & Mfg. Co., Sandusky, O.

United Iron Works Co. Inc., Kansas City, Mo.

Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.

Yale & Towne Mfg. Co., Dept. H, Stamford, Conn.

3101—Conveyors (Cinder Pit)

Bailey-Burruss Mfg. Co., Atlanta, Ga.

Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book

Brown Hoisting Machinery Co., The, 4403 St. Clair N. E., Cleveland, Ohio
See adv index at end of book

Dow Co., 201H N Buchanan, Louisville, Ky.

FABREEKA BELTING CO. (Fabreeka withstands heat), 120 High, Boston, Mass.
See adv index at end of book

Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

Robertson Wm. & Co. ("Robertson," Pneumatic for Railroads), 20 W Jackson blvd, Chicago, Ill.

Standard Conveyor Co., N St. Paul, Minn.
See adv index at end of book

Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

Conveyors (Clay)

See Conveyors, Brick & Clay

3102— Conveyors (Clinker)

Allis-Chalmers Mfg. Co. (Cement Clinker), Milwaukee, Wis.
See adv index at end of book

Alvey Manufacturing Co., 3201 S B'way, St. Louis, Mo.

Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book

Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book

Chicago Automatic Conveyor Co., 37 W Van Buren, Chicago, Ill.

Howe Chain Co., Muskegon, Mich.

JEFFREY MFG. CO., (& Cinders), 961 N Fourth, Columbus, O.
See adv index at end of book

Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book

Link-Belt Company, 300 W Pershing rd. Chicago, Ill. *See adv index at end of book*

Robins Conveying Belt Co., 13 Park Row, New York *See adv index at end of book*

3103-4—Conveyors (Coal & Ash Handling)

See also Coal & Ore Handling Machinery

Acme Road Machy. Co., Frankfort, N. Y.

ALVEY-FERGUSON CO., 70 North av, Oakley, Cincinnati, O.

Alvey Mfg. Co. ("Amco"), 3201 S. B'way, St. Louis, Mo.

American Steam Conveyor Corpn. (Steam Jet Ash Conveyors), 326 W Madison, Chicago, Ill.

Augercon Co., Inc. ("Climax"), 317 Boulevard, Passaic, N. J.

Bailey-Burruss Mfg. Co., Atlanta, Ga.

Barber-Greene Co. ("B-G"), Dept. H, Aurora, Ill.

BARTLETT & SNOW CO. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book

Batavia Engineering Works, Batavia, Ill.

Beaumont R. H. Co. (& Coke), 393 Arch, Phila., Pa.

BODINSON MFG. CO., 11 Minna, San Francisco, Cal.

Boston Belting Corp., 80 Elmwood av, Boston, Mass.

Brady Jas. A. Fdry. Co., 45th & Western blvd, Chicago, Ill.

Brinkley Co., 651 Alaska, Seattle, Wash.

Brown Hoisting Machinery Co. (The), 4403 St. Clair, N E Cleveland, Ohio
See adv index at end of book

CALDWELL & SON CO. H. W., 1700 S Western av, Chicago

Calumet Iron Wks. (Structural Steel Work), 3 Hyatt, Newark, N. J.

CHAIN BELT CO., 746 Park, Milwaukee, Wis. *See adv index at end of book*

Chicago Automatic Conveyor Co., 37 W Van Buren, Chicago, Ill.

Combustion Engng. Corp. ("Combusco" Water Seal Ash Drag Conveyor), 43 Broad, New York

DePere Mfg. Co., West DePere, Wis.

Detrick M. H. Co., 155 E Superior, Chicago, Ill.

Dow Wire & Iron Works ("Dow" Conveyors & Steel Car Bunkers for Power Plants), Louisville, Ky.

Erust Chas. K. (Ash Only), 1001 E. Ferry, Buffalo, N. Y.

Exeter Machine Works, Pittston, Pa.

FABREEKA BELTING CO. (Fabreeka), 120 High, Boston, Mass.
See adv index at end of book

Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.

Fairfield Engng. Co., Marion, Ohio

Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.

Finch Mfg. Co., Scranton, Pa.

Frederick Engineering Co., 25 W 42nd, New York

GIFFORD-WOOD CO., Hudson, N. Y.

Girtanner Engineering Co. (Vacuum, Ash Removal System), Synd. Tr. bldg, St. Louis, Mo.

Godfrey Conveyor Co. ("Godfrey"), Elkhart, Ind.

Guarantee Construction Co., 92 West, New York

Helmick Fdry & Machine Co., Fairmont, W. Va.

Hettrick Mfg. Co., Toledo, O.

Howe Chain Co., Dept H, Muskegon, Mich.

Howe Scale Co. of Illinois, 1222 S Wabash av, Chicago, Ill.

HUNT C. W. C. INC., West New Brighton, N. Y. *See adv index at end of book*

JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*

Joy Arcade Co., Union Arcade, Pittsburgh, Pa.

Kaestner & Hecht Co., 500 Throop, Chicago, Ill.

Lebanon Drop Forging Co., Lebanon, Pa.

Libbey C. A. Co., Marion & Jay, Oshkosh, Wis.

LIDGERWOOD MFG. CO., 96 Liberty, New York
See adv index at end of book

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

McLanahan-Stone Mach. Co., Hollidaysburg, Pa.

McMyler Interstate Co., The, Cleveland, O.
See adv index at end of book

Coal-Handling Equipment

THE McMYLER INTERSTATE CO.
CLEVELAND

Sales offices in all principal cities



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Greatly reduce the cost of handling coal, ashes, crushed stone, phosphate rock and other bulk material.

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Write Department Z for Special Catalogs covering Conveyors and other equipment enumerated above.

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West New Brighton, N. Y.
Manufacturers and designers of apparatus for handling bulk material. See adv. index for branch offices at end of book.

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Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.

Nelson N. P. Iron Works, 216 40th, Brooklyn, N. Y.

Northern Engineering Works, 210 Chene, Detroit, Mich.

Pangborn Corp., Hagerstown, Md.

Parson Mfg. Co. (Pneumatic for Ashes), 535 Livingston, New York

Pittsburgh Coal Washer Co., Fulton bldg, Pittsburgh, Pa.

Portable Machy. Co. Inc., Lakeview av, Clifton, N. J.

RICHARDS-WILCOX MFG. CO., Aurora, Ill. *See adv index at end of book*

ROBINS CONVEYING BELT CO., 15 Park row, New York
See adv index at end of book

Roots P. H. & F. M. Co., Connersville, Ind.

Savage W. J. Co., Knoxville, Tenn.

Sharp Rotary Ash Receiver Co. (Ash), 309 Bridge, Springfield, Mass.

South Side Fdry. & Mach. Works, Charleston, W. Va.

Specialty Engineering Co., Trenton & Allegheny, Phila., Pa.

Spokane Culvert & Tank Co., Spokane, Wash.

STANDARD CONVEYOR CO., N St. Paul, Minn. *See adv index at end of book*

STEARNS CONVEYOR CO., St. Clair & E 200th, Cleveland, Ohio

Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.

Tamaqua Mfg. Co. (For Coal Mining, etc), Tamaqua, Pa.

Vacuum Ash & Soot Conveyor Co. ("Vasco" Ash), Wilson av, Newark, N. J.

Vulcan Iron Works, Wilkes-Barre, Pa.

WEBSTER MFG. CO., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book

Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.

Conveyors (Concrete)

See Conveyors, Cement

3105—Conveyors (Corn & Cob)

Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Dow Co., 201H N Buchanan, Louisville, Ky.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. ***See adv index at end of book***
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Portable Machy. Co., Inc., Passaic, N. J.
Robinson H. Mfg. Co., Muncy, Pa.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. ***See adv index at end of book***

3106—Conveyors (Cotton & Wool)

Alvey Manufacturing Co., 3201 S B'way, St. Louis, Mo.
Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Buffalo Forge Co., 490 B'way, Buffalo, N. Y.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Dow Co., 201H N Buchanan, Louisville, Ky.
FABREEKA BELTING CO. (Fabreeka ideal for this service), 120 High, Boston, Mass.
See adv index at end of book
Lamson Co., 100 Boylston, Boston, Mass.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Sturtevant B. F. Co. ("Sturtevant" Pneumatic), 15 Damon, Hyde Park, Boston, Mass.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. ***See adv index at end of book***

3107— Conveyors (Drag)

Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Alvey Manufacturing Co., 3201 S B'way, St. Louis, Mo.
Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Beaumont R. H. Co., 393 Arch, Phila., Pa.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Howe Chain Co., Muskegon, Mich.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
Lamson Co., 100 Boylston, Boston, Mass.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Russell Grader Mfg. Co. ("Russell"), 2005 University av, Minneapolis, Minn.
Standard Conveyor Co., N St. Paul, Minn.
See adv index at end of book
Stearns Conveyor Co., St. Clair & E 200th, Cleveland, Ohio
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. ***See adv index at end of book***

3108— *Conveyors (Dredge)

JEFFREY MFG. CO., 961 N Fourth, Columbus, O. ***See adv index at end of book***
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Robins Conveying Belt Co., 15 Park Row, New York
See adv index at end of book

Conveyors (Feed, Litter, Etc.)

See Carriers, Feed & Litter

3109— Conveyors (Fertilizer)

Alvey-Ferguson Co., 70 North av, Cincinnati, O.
Alvey Manufacturing Co., 3201 S B'way, St. Louis, Mo.
Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
CHAIN BELT CO., 746 Park, Milwaukee, Wis. *See adv index at end of book*
Chicago Automatic Conveyor Co., 37 W Van Buren, Chicago, Ill.
Dow Co., 201H N Buchanan, Louisville, Ky.
FABREEKA BELTING CO. (Fabreeka), 120 High, Boston, Mass.
See adv index at end of book
Howe Chain Co., Dept H, Muskegon, Mich.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Portable Machy. Co., Passaic, N. J.
Standard Conveyor Co., N St. Paul, Minn.
See adv index at end of book
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

3110— Conveyors (Flight)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Alvey Manufacturing Co., 3201 S B'way, St. Louis, Mo.
Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Beaumont R. H. Co., 393 Arch, Phila., Pa.
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Chicago Automatic Conveyor Co., 37 W Van Buren, Chicago, Ill.
Dow Co., 201H N Buchanan, Louisville, Ky.
Howe Chain Co., Muskegon, Mich.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. ***See adv index at end of book***
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Specialty Engineering Co., Trenton & Allegheny avs, Philadelphia, Pa.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

Conveyors (Flour)

See Conveyors, Grain Elevator

3111— Conveyors (Freight)

Alvey Manufacturing Co., 3201 S B'way, St. Louis, Mo.
BARTLETT & SNOW CO. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
CHAIN BELT CO. (Material Handling), 746 Park, Milwaukee, Wis.
See adv index at end of book
Cleveland Crane & Engineering Co., Dept H, Wickliffe, Ohio
Dow Co., 201H N Buchanan, Louisville, Ky.
Howe Chain Co., Muskegon, Mich.
HUNT C. W. CO., West New Brighton, N. Y. *See adv index at end of book*
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. ***See adv index at end of book***
Lamson Co., 100 Boylston, Boston, Mass.
Libbey C. A. Co., Marion & Jay, Oshkosh, Wis.
LINK-BELT COMPANY 300 W 39th Chicago, Ill. ***See adv index at end of book***
Portable Machy. Co. Inc., Lakeview av, Clifton, N. J.
Webster Co., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book

3112—Conveyors (Grain Elevator)

Allis-Chalmers Mfg. Co. (Flour Mill), Milwaukee, Wis.
See adv index at end of book
Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Alvey Manufacturing Co., 3201 S B'way, St. Louis, Mo.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
BARTLETT & SNOW CO. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Bodinson Mfg. Co., 11 Minna., San Francisco, Cal.
Boston Belting Corp., 80 Elmwood av., Boston, Mass.
Brinkley Co., 651 Alaska, Seattle, Wash.
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Caldwell W. E. Co., Louisville, Ky.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Dodge Mfg. Corp., Mishawaka, Ind.
Dow Wire & Iron Works ("Dow"), Louisville, Ky.
Essmueller Mill Furnishing Co., 1222 S 8th St. Louis, Mo.
FABREEKA BELTING CO. (Fabreeka), 120 High, Boston, Mass.
See adv index at end of book
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Great Western Mfg. Co., Leavenworth, Kans.
Guarantee Construction Co., 92 West, New York
Howe Chain Co., Dept H, Muskegon, Mich.
Lamson Co., Inc., Syracuse, N. Y.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Moore Geo. W. Co., 2144 W Fulton, Chicago, Ill.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Noye Bros. Co., 1447 Niagara, Buffalo, N. Y.
Savage W. J. Co., Knoxville, Tenn.
Sidney Grain Machy. Co., Sidney, Ohio
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Wagner J. Mfg. Co., 165 Beale, San Francisco, Cal.
WEBSTER MFG. CO., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.
Wolf Co., Chambersburg, Pa.

Conveyors (Gravel & Sand)

See Conveyors, Coal & Ash Handling

3113— Conveyors (Gravity)

ALVEY-FERGUSON CO. (For Boxes, Barrels, Crates, etc), 70 North av, Oakley, Cincinnati, O.
Alvey Mfg. Co., 3201 S B'way, St. Louis, Mo.
Cutler Mfg. Co., 353 E 10th, Portland, Ore.
Dow Wire & Iron Works, Louisville, Ky.
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Haslett Chute & Conveyor Co., Oaks, Pa.
Lamson Co. Inc., Syracuse, N. Y.
LINK-BELT COMPANY ("Link-Belt" Discharge Elevator or Conveyor), 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Mathews Gravity Carrier Co., Ellwood City, Pa.
Mead-Morrison Mfg. Co. ("McCaslin" Bucket), cor Prescott & Orleans, East Boston, Mass
Otis Elevator Co. (Spiral), 26th & 11th av, New York
Pittsburgh Conveying Machinery Co., 4th & Duquesne wy, Pittsburgh, Pa.
Portable Machy. Co., Inc., Passaic, N. J.
San Francisco Mill Furnishing Co., 521 7th, San Francisco, Cal.
STANDARD CONVEYOR CO. (Ball Bearing, also Portable on Casters), N St. Paul, Minn. *See adv index at end of book*
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. ***See adv index at end of book***

3114—Conveyors (Gravity Roller)

Alvey Manufacturing Co., 3201 S B'way, St. Louis, Mo.
Haslett Chute & Conveyor Co., Oaks, Pa.
Lamson Co., Inc., Syracuse, N. Y.
Standard Conveyor Co., N St. Paul, Minn.
See adv index at end of book

3115—Conveyors (Gravity, Spiral)

Alvey Mfg. Co., 3201 S B'way, St. Louis, Mo.
ALVEY-FERGUSON CO., 70 North av, Oakley, Cincinnati, O.
Conveyor Co., 140 W Elmyra, Los Angeles, Cal.
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Haslett Chute & Conveyor Co., Oaks, Pa.
Lamson Co., Inc., Syracuse, N. Y.
Mathews Gravity Carrier Co., Ellwood City, Pa.
Otis Elevator Co., 11th av & 26th, New York
Standard Conveyor Co. (Ball Bearing, also Portable on Casters), N St. Paul, Minn.
See adv index at end of book

3116— Conveyors (Hot Coke)

Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Beaumont R. H. Co., 393 Arch, Phila., Pa.
FABREEKA BELTING CO. (Fabreeka), 120 High, Boston, Mass.
See adv index at end of book
Isbell-Porter Co., 46 Bridge, Newark, N. J.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Robins Conveying Belt Co., 15 Park Row, New York *See adv index at end of book*
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. ***See adv index at end of book***

3117-8— Conveyors (Hot Metal)

BARTLETT & SNOW CO. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. ***See adv index at end of book***

Conveyors (Ice)

See Ice Handling Machinery

Conveyors (Limestone)

See Conveyors, Rock & Ore

3119— Conveyors (Link Belt)

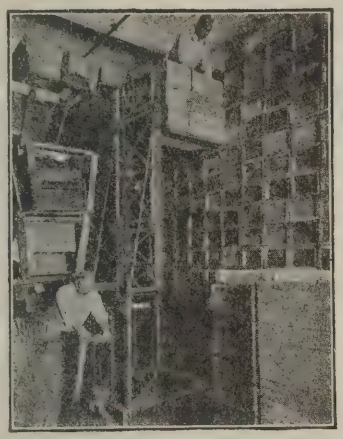
Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Caldwell W. E. Co., Louisville, Ky.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Dow Co., 201H N Buchanan, Louisville, Ky.
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Howe Chain Co., Dept H, Muskegon, Mich.

(*Continued on page* 886)

STANDARD CONVEYOR COMPANY

General Offices and Plant: NORTH ST. PAUL, MINNESOTA

Representatives in all Principal Cities



Handilift—Hand and Power Operated. Elevating Height, 10 to 15 feet or over. Lifting capacity, 500 to 3000 lbs. Can also be used as a floor to floor elevator. Tiers, boxes bales, barrels and baskets.

Standard Conveyors are designed to meet all requirements in the handling of merchandise, orders, cash, messages and all kinds of loose and packed materials.
Catalog "M," which will be sent to you on request, illustrates and explains how Standard Conveying Equipment is operating successfully in various yards, warehouses, offices and manufacturing plants throughout the world.

Efficient engineers, employed by this company, will be glad to assist you in planning a conveying system that will operate to your entire satisfaction. This service places you under no obligation.

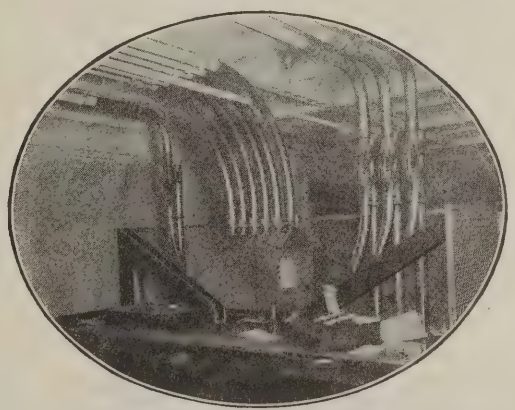
STANDARD CONVEYOR COMPANY.



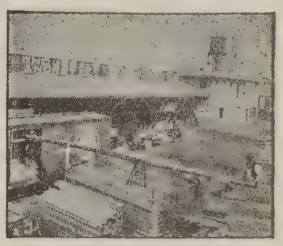
Standard Piler for piling all kinds of merchandise to a height of 20 feet. Speed 20 feet a minute. Portable pilers can also be used as part of a complete system.



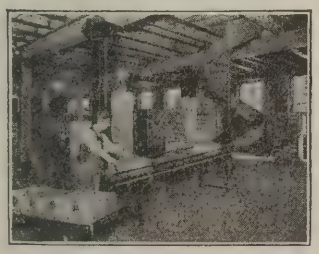
Heavy duty gravity roller conveyor carrying heavy castings.



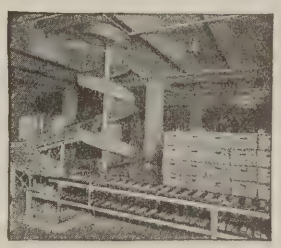
Central Desk—**Standard Pneumatic Tube System**, receives Cash, Messages and Orders through sub-stations installed in various departments of a business or industry.



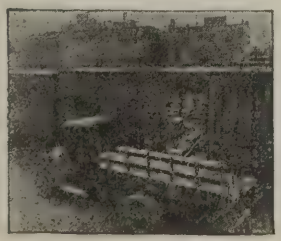
Gravity roller conveyor unloading lumber from car to pile.



Combination gravity spiral chute and roller conveyor system.



Combination System of spiral chute, gravity roller conveyor and power slat conveyors.



Gravity roller conveyors unloading brick.



Belt Conveyors carrying jars automatically from filling and sealing to labeling machines. No Article is too light or too heavy for a Standard Belt Conveyor.



Spiral chute lowering miscellaneous merchandise on various floors.

Conveyors (Link Belt)—Continued

JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Mey Chain Belt Co., Buffalo, N. Y
Nelson N. P. Iron Works, 216 40th, Brooklyn, N. Y.
Scranton Forging Co. (Links Only), 200 Green Ridge ave, Scranton, Pa.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.

3120—Conveyors (Log & Lumber)

Allis-Chalmers Mfg. Co. (Wire Cable Transfers, etc.), Milwaukee, Wis.
See adv index at end of book
Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Alvey Manufacturing Co., 3201 S B'way, St. Louis, Mo.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Bodinson Mfg. Co., 11 Minna, San Francisco, Cal.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Diamond Iron Works (Log), 2d & 18th av, N, Minneapolis, Minn.
Dow Co., 201H N Buchanan, Louisville, Ky.
Ederer Engineering Co., 2946 1st av S, Seattle, Wash.
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Godfrey Conveyor Co. ("Godfrey"), Elkhart, Ind.
Henderson W. K. Iron Works & Supply Co., Shreveport, La.
Howe Chain Co., Dept H, Muskegon, Mich.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
Koehler Bros., Saginaw, Mich.
Lamson Co., 100 Boylston, Boston, Mass.
Lane Mfg. Co., Montpelier, Vt.
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Mathews Gravity Carrier Co. (Gravity for Lumber & Shingles), Ellwood City, Pa.
Soule Steam Feed Works, Meridian, Miss.
Standard Conveyor Co. (Gravity Ball Bearing), N. St. Paul, Minn.
See adv index at end of book
WEBSTER MFG. CO., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book
Wheland Company, Westside & 27th, Chattanooga, Tenn.

Conveyors (Lumber & Shingle)

See Conveyors, Log & Lumber

3121— Conveyors (Mechanical)

Alvey Manufacturing Co., 3201 S B'way, St. Louis, Mo.
Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
HUNT C. W. CO., West New Brighton, N. Y. *See adv index at end of book*
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
Lamson Co., 100 Boylston, Boston, Mass.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

Conveyors (Merchandise)

See Carriers, Merchandise

3122— Conveyors (Molding Sand)

Alvey Manufacturing Co., 3201 S B'way, St. Louis, Mo.
Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Chicago Automatic Conveyor Co., 37 W Van Buren, Chicago, Ill.
Dow Co., 201H N Buchanan, Louisville, Ky.
FABREEKA BELTING CO., 120 High, Boston, Mass.
See adv index at end of book
Jeffrey Mfg. Co., 961 N Fourth, Columbus, O. *See adv index at end of book*
Lamson Co., 100 Boylston, Boston, Mass.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Robins Conveying Belt Co., 15 Park Row, New York *See adv index at end of book*
Standard Conveyor Co., N St. Paul, Minn.
See adv index at end of book
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

3123— Conveyors (Newspaper)

Alvey Manufacturing Co., 3201 S B'way, St. Louis, Mo.
Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
Lamson Co., Inc. (for Automatically Carrying Newspapers from the Press to Mailing or Delivery Department), Syracuse, N. Y.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Robins Conveying Belt Co., 15 Park Row, New York *See adv index at end of book*
STANDARD CONVEYOR CO., N St. Paul, Minn. *See adv index at end of book*
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

3124— Conveyors (Pan)

Allis-Chalmers Mfg. Co. (Rock, Ore, etc.), Milwaukee, Wis.
See adv index at end of book
Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Bodinson Mfg. Co., 11 Minna, San Francisco, Cal.
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Clark W. J. Co., Salem, O.
Conveyor Co., 140 W Elmyra, Los Angeles, Cal.
Dow Co., 201H N Buchanan, Louisville, Ky.
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Howe Chain Co., Dept H, Muskegon, Mich.
Howe Scale Co. of Illinois, 1222 S Wabash av, Chicago, Ill.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Mey Chain Belt Co., Buffalo, N. Y.
Reardon P. H., 57 First, San Francisco, Cal.
Robins Conveying Belt Co., 15 Park Row, New York
See adv index at end of book
Savage W. J. Co., Knoxville, Tenn.
Stearns Conveyor Co., St. Clair & E. 200th, Cleveland, Ohio
Stephens-Adamson Mfg. Co. (Steel), Aurora, Ill.
WEBSTER MFG. CO. (Conveyor), 4500-60 Cortland, Chicago, Ill.
See adv index at end of book
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.

3125— *Conveyors (Pipe)

Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

3126-7—Conveyors (Pneumatic)

Allen & Billmyre Co. Inc. (Exhaust for Conveying Systems), Grand Central Palace, New York
See adv index at end of book
Allen Engineering & Mfg. Co., Savannah, Ga.
ALLINGTON & CURTIS MFG. CO. (For Shavings & Sawdust), 1500 Holland av, Saginaw, Mich.
Baker Edw. J. & Co., Otis bldg, Chicago, Ill.
Barber-Greene Co. ("B. G."), Dept. H, Aurora, Ill.
Clarage Fan Co., North & Porter, Kalamazoo, Mich.
See adv index at end of book
Guarantee Construction Co. ("Darley," "Airveyor"), 92 West, New York
Lamson Co. Inc., Syracuse, N. Y.
Northern Blower Co. (The), Denison & W 65th, Cleveland, Ohio
See adv index at end of book
Parsons Mfg. Co. (For Ashes, etc.), 535 Livingston, New York
Phila. Drying Machinery Co. ("Hurricane" for Stock Dyeing Machinery), 3351 Stokley, Phila., Pa.
Schnitzler Chas. H., 204 Cuthbert, Phila., Pa.
Yale & Towne Mfg. Co., Dept. H, Stamford, Conn.

3128— Conveyors (Portable)

Acme Road Machinery Co., Frankfort, N. Y.
Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Alvey Mfg. Co. (Adjustable Belt), 3201H S Broadway, St. Louis, Mo.
Augorcon Co., Inc. ("Climax"), 317 Boulevard, Passaic, N. J.
Barber-Greene Co., Aurora, Ill.
BODINSON MFG. CO., 11 Minna, San Francisco, Cal.
Burnett Mfg. Co. (Sack Stacker), 719 E 1st, Los Angeles, Cal.
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Chicago Automatic Conveyor Co., 37 W Van Buren, Chicago, Ill.
Dobbie Foundry & Machine Co. (Incline Railroad), Niagara Falls, N. Y.
See adv index at end of book
Dow Co., 201H N Buchanan, Louisville, Ky.
FABREEKA BELTING CO., 120 High, Boston, Mass.
See adv index at end of book
Fairfield Engng. Co. (Coal), Marion, Ohio
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
GIFFORD-WOOD CO., Hudson, N. Y.
Haiss Geo. Mfg. Co. (Belt), 369 Rider, New York
JEFFREY MFG. CO. (Belt), 961 N 4th, Columbus, O. *See adv index at end of book*
Lamson Co., 100 Boylston, Boston, Mass.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
McKinney-Harrington Co., No Chicago, Ill.
Nelson N. P. Iron Works, 216 40th, Brooklyn, N. Y.
Portable Machy. Co. Inc., Lakeview av, Clifton, N. J.
STANDARD CONVEYOR CO., N St. Paul, Minn. *See adv index at end of book*
Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

3128a—Conveyors (Portable Belt)

GIFFORD-WOOD CO., Hudson, N. Y.

3129—Conveyors (Ribbon Scroll)

American Tool & Machine Co. (Steel, Brass or Copper for Sugar & Chemicals), 10 High, Boston, Mass.
Bodinson Mfg. Co., 11 Minna, San Francisco, Cal.
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Conveyor Co., 140 W Elmyra, Los Angeles, Cal.
Hassell Iron Works Co., Colorado Springs, Col.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Reardon P. H., 57 First, San Francisco, Cal.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.
Wolf Co., Chambersburg, Pa.

3130—Conveyors (Rock & Ore)

Allis-Chalmers Mfg. Co. (Bucket, Flight, Apron, Pan), Milwaukee, Wis.
See adv index at end of book
Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Barber-Greene Co. ("B. G."), Dept. H, Aurora, Ill.
BARTLETT & SNOW CO. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Boston Belting Corp., 80 Elmwood av, Boston, Mass.
Caldwell W. E. Co., Louisville, Ky.
CHAIN BELT CO., 746 Park, Milwaukee, Wis. *See adv index at end of book*
Colorado Iron Works Co., Denver, Colo.
Conveyor Co., 140 W Elmyra, Los Angeles, Cal.
Dow Co., 201H N Buchanon, Louisville, Ky.
Exeter Machine Works, Pittston, Pa.
FABREEKA BELTING CO., 120 High, Boston, Mass.
See adv index at end of book
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Godfrey Conveyor Co. ("Godfrey"), Elkhart, Ind.
Hammond Mfg. Co., Kamm bldg, Portland, Ore.
Howe Chain Co., Dept H, Muskegon, Mich.
Hunt C. W. Co., West New Brighton, N. Y.
See adv index at end of book
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
KENNEDY VAN SAUN MFG. & ENG. CORP., 50 Church, New York
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.
Portable Machy. Co. Inc., Lakeview av, Clifton, N. J.

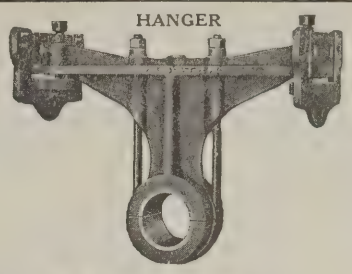
WEBSTER SCREW CONVEYORS

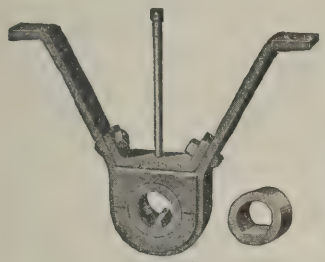
Complete Line of Steel and Cast Iron Screw Conveyors for Handling Cement, Coal, Ashes, Grain, Etc.

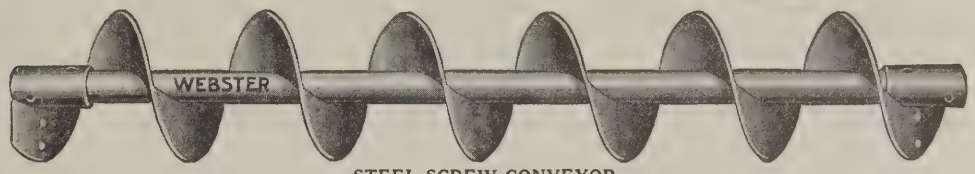
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STEEL SCREW CONVEYOR

Reardon P. H., 57 1st, San Francisco, Cal.
Robins Conveying Belt Co., 13 Park row, New York
See adv index at end of book
Savage W. J. Co., Knoxville, Tenn.
Smith Engng. Works, 1154 32nd, Milwaukee, Wis.
Stearns Conveyor Co., St. Clair & E 200th, Cleveland, Ohio
Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.
Universal Crusher Co. ("Eureka" & "Universal"), Cedar Rapids, Ia.
Vulcan Iron Works, Wilkes-Barre, Pa.
WEBSTER MFG. CO., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.

3131—Conveyors (Rolling Mill)

Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Garrison A Foundry Co., 901 Bingham, Pittsburgh, Pa.
Heyl & Patterson (Bar, Billet & Slab, etc.), 51 Water, Pittsburgh, Pa.
Howe Chain Co., Dept H, Muskegon, Mich.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Morgan Construction Co., Worcester, Mass.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

3132— Conveyors (Rubber Belt)

Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Beaumont R. H. Co., 393 Arch, Phila., Pa.
Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Boston Woven Hose & Rubber Co., Cambridge, Mass.
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Dow Co., 201 H N Buchanon, Louisville, Ky.
FABREEKA BELTING CO. (Fabreeka, a new construction in rubber belt for conveying purposes), 120 High, Boston, Mass.
See adv index at end of book
JEFFREY MFG. CO. ("Jeffrey," "Century"), 961 N Fourth, Columbus, O.
See adv index at end of book
Lamson Co., 100 Boylston, Boston, Mass.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Portable Machy. Co. Inc., Lakeview av, Clifton, N. J.
Smyth Rubber & Packing Co., 512 Mercer, Jersey City, N. J.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

3133— Conveyors (Saw Dust)

Allington & Curtis Mfg. Co. (Pneumatic), 1500 Holland av, Saginaw, Mich.
Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Bailey-Barruss Mfg. Co., Atlanta, Ga.
Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Boston Belting Corp., 80 Elmwood av, Boston, Mass.
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago
Caldwell W. E. Co., Louisville, Ky.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Dow Co., 201 H N Buchanon, Louisville, Ky.
FABREEKA BELTING CO., 120 High, Boston, Mass.
See adv index at end of book
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Garland M. Co., Bay City, Mich.
Howe Chain Co., Dept H, Muskegon, Mich.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O.
See adv index at end of book
Koehler Bros., Saginaw, Mich.
Lane Mfg. Co., Montpelier, Vt.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Lyon Iron Works, Greene, N. Y.
Memphis Machine Works, 171 Vance, Memphis, Tenn.
National Blower Pipe Co., 1127 St. Paul av, Tacoma, Wash.
Northern Blower Co. (The), Denison & W 65th, Cleveland, Ohio
See adv index at end of book
Peglar Machinery Co., Cowart & 16th, Chattanooga, Tenn.
Rees Blow Pipe Mfg. Co., 340 7th, San Francisco, Cal., and 3636 S. Alameda, Los Angeles, Cal.
Robins Conveying Belt Co., 15 Park Row, New York
See adv index at end of book
Savage W. J. Co., Knoxville, Tenn.
Southern Engine & Boiler Mfg. Co., Jackson, Tenn.
Standard Conveyor Co., N St. Paul, Minn.
See adv index at end of book
Taylor Iron Wks. & Supply Co., Macon, Ga.
Tomahawk Steel & Iron Works, Tomahawk, Wis.
WEBSTER MFG. CO., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Weller Mfg. Co., 1856 N Koster av, Chicago, Ill.

Conveyors (Sawmill)

See Conveyors, Log & Lumber

3134— Conveyors (Scraper)

Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Dow Co., 201 H N Buchanon, Lousville, Ky.
Howe Chain Co., Dept H, Muskegon, Mich.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Standard Conveyor Co., N. St. Paul, Minn.
See adv index at end of book
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

3135— Conveyors (Screw)

Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Christian Joseph D. ("Hair-Edge"), 251 Tehama, San Francisco, Cal.
Conveyor Co., 140 W Elmyra, Los Angeles, Cal.
Dow Co., 201 H N Buchanon, Lousville, Ky.
Jeffrey Mfg. Co., 961 N Fourth, Colubus, Ohio *See adv index at end of book*
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Nazareth Foundry & Machine Co., Nazareth, Pa.
Reardon P. H., 57 1st, San Francisco, Cal.
Robins Conveying Belt Co., 15 Park Row, New York
See adv index at end of book
Stearns Conveyor Co., St. Cair & E 200th, Cleveland, Ohio
Stephens-Adamson Mfg. Co. ("S-A" Spiral), Aurora, Ill.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

3136— Conveyors (Slab & Billet)

Allis-Chalmers Mfg. Co. (Slab), Milwaukee, Wis. *See adv index at end of book*
BARTLETT & SNOW CO. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Dow Co., 201 H N Buchanon, Louisville, Ky.
Jeffrey Mfg. Co., 961 N Fourth, Columbus, Ohio *See adv index at end of book*
Link-Belt Company, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Standard Conveyor Co., N St. Paul, Minn.
See adv index at end of book
Treadwell Engineering Co., Easton, Pa.
See adv index at end of book
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

3137— Conveyors (Spiral)

See also Conveyors, Gravity Spiral

Allis-Chalmers Mfg. Co. (Flour, Cement, etc.), Milwaukee, Wis.
See adv index at end of book
Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Alvey Manufacturing Co., 3201 S B'way, St. Louis, Mo.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
BARTLETT & SNOW CO. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Bodinson Mfg. Co., 11 Minna, San Francisco, Cal.
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Caldwell W. E. Co., Louisville, Ky.
Christian Joseph D. ("Hair-Edge"), 251 Tehama, San Francisco, Cal.
Conveyor Co., 140 W Elmyra, Los Angeles, Cal.
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O.
See adv index at end of book
Lamson Co., Inc., Syracuse, N. Y.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
McKain Mfg. Co., 921 N Main, Los Angeles, Cal.
Moore Geo. W. Co., 2144 W. Fulton, Chicago, Ill.
Pratt Engineering & Machine Co., Atlanta, Ga.
Reardon P. H., 57 1st, San Francisco, Cal.
Robins Conveying Belt Co., 15 Park Row, New York
See adv index at end of book

(Continued on following page)

Conveyors (Spiral)—Continued

Sprout Waldron & Co., Muncy, Pa.
See adv index at end of book
Standard Conveyor Co., N St. Paul, Minn.
See adv index at end of book
Stephens-Adamson Mfg. Co. ("S-A" Screw), Aurora, Ill.
WEBSTER MFG. CO., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Weller Mfg. Co., 1856 N Koster av, Chicago, Ill.
Wolf Co., Chambersburg, Pa.

3138— Conveyors (Suction)

Dempey-Degener Co. (Dealer), 708 Penn av, Pittsburgh, Pa.
Guarantee Construction Co. ("Darley" & "Airveyor"), 92 West, New York

3138a—Conveyors (Sugar Mill)

Alvey Manufacturing Co., 3201 S B'way, St. Louis, Mo.
Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Dibert Bancroft & Ross Co., Ltd., Tulane & Hagen av, New Orleans, La.
Dow Co., 201 H N Buchanon, Louisville, Ky.
FABREEKA BELTING CO., 120 High, Boston, Mass.
See adv index at end of book
Fulton Iron Works Co., 1259 Delaware av, St. Louis, Mo.
Honolulu Iron Works Co., 233 Broadway, New York
Howe Chain Co., Muskegon, Mich.
Jeffrey Mfg. Co., 961 N Fourth, Columbus, Ohio *See adv index at end of book*
Lamson Co., 100 Boylston, Boston, Mass.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Squier Geo. L. Mfg. Co., B'way & Mortimer, Buffalo, N. Y.
Standard Conveyor Co., N St. Paul, Minn.
See adv index at end of book
Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

3139—Conveyors (Wire Cable)

See also Wire Rope Tramways

Allis-Chalmers Mfg. Co. (Sawmill Transfers), Milwaukee, Wis.
See adv index at end of book
Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Bailey-Burgess Mfg. Co., Atlanta, Ga.
Bartlett A. F. & Co., Saginaw, Mich.
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Clyde Iron Works Sales Co., Duluth, Minn.
See adv index at end of book
FRICK & LINDSAY CO. (Dealers), Sandusky & Robinson, Pitttsburgh, Pa.
See adv index at end of book
Garland M. Co., Bay City, Mich.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O.
See adv index at end of book
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Mead-Morrison Mfg. Co., cor. Prescott & Orleans, East Boston, Mass.
Roeblings John & Sons Co., Trenton, N. J.
See adv index at end of book
Savage W. J. Co., Knoxville, Tenn.
WEBSTER MFG. CO., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Yale & Towne Mfg. Co., Dept. H, Stamford, Conn.

3140— Cookers (Apple Butter)

Bucyrus Copper Kettle Works Co (The), Bucyrus, O. *See adv index at end of book*
Dunning & Boschert Press Co., Inc., 379 Water, Syracuse, N. Y.
See adv index at end of book
Harris Arthur & Co. (Steam), 212 Curtis, Chicago, Ill.

3140a—Cookers (Doughnut)

Blodgett G. S. Co., Burlington, Vt.
Campbell J. A. Co. ("Rainier"), 905 Western av, Seattle, Wash.
Meek Mfg. Co. ("Meek"), Westport, Conn.
Roberts Portable Oven Co., 853 W. North av Chicago, Ill.

3141— Cookers (Feed)

Bovee Furnace Works, Waterloo, Ia.
Butler Co., Butler, Ind.
Champion Milk Cooler Co., Cortland, N. Y.
Columbian Steell Tank Co., 1625 W 12th, Kansas City, Mo.
Donalson Bros., Mount Clemens, Mich.
Eddy W. Plow Co., Greenwich, N. Y.
Empire Mfg. Co. ("Farmer's Handy"), Quincy, Ill.
Freeland B. F. Sons Co. ("Quick Meal"), Sturgis, Mich.
Freeland Steel Tank Co., Portage,Wis.
Greenville Implement Co., Greenville, Mich.
Hastings Equity Grain Bin Mfg. Co., Hastings, Neb.
Heesen Bros. Co., Tecumseh, Mich.
Heller-Aller Co. ("National"), Napoleon, Ohio
Howell R. R. & Co. ("Minneapolis"), 31st av, Minneapolis, Minn.
Hudson Mfg. Co., 324 3rd av N. Minneapolis, Minn.
Illinois Mfg. & Supply Co., Quincy, Ill.
Lehr Agricultural Co., Fremont, O.
Moore Plow & Implement Co. ("Moore"), Greenville, Mich.
Niles Steel Tank Co., Niles, Mich.
Pioneer Mfg. Co., Middlebury, Ind.
Rippley Mfg. & Steel Boat Co. (Steam), Grafton, Ill.
Sperry D. R. & Co., Batavia, Ill.
Star Tank Co. ("Ideal" & "Winner"), Goshen, Ind.
Swift Mfg. Co. ("Swift"), Waterloo, Ia.
Treaty Co. ("Rex"), Greenville, O.
Vermont Farm Machine Co. ("Eureka"), Bellows Falls, Vt.
Wagner Mfg. Co. ("Wagner Ware"), Sidney, Ohio
Wehrle Co., Newark, O.
Wisconsin Foundry & Machine Co., Madison, Wis.

3142— Cookers (Fireless)

Am. Lava Corp. ("Cleveland"), Chattanooga, Tenn.
Caloric Co. ("Caloric"), Janesville, Wis.
Campbell Manson & Sons Co., Ltd., 45 Federal, Detroit, Mich.
Diller Mfg. Co. ("Thermatic"), Bluffton, Ohio
Durham Mfg. Co. ("Duplex"), Muncie, Ind.
Geuder Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Grand Rapids Hand Screw Co. ("Bakorost"), Grand Rapids, Mich.
Illinois Mfg. & Supply Co., Quincy, Ill.
Rathbone, Sard & Co. ("Acorn"), Albany, N. Y.
Seely Frances A. Co. ("Seely Sanitary" for Institutions, "Seely Fasco" for Families), 5735 Harper av, Chicago, Ill.
Toledo Cooker Co. ("Ideal"), Toledo, Ohio

3143— Cookers (Fish)

American Process Co., 68 William, New York
Renneburg E. & Sons Co., 2639 Boston & Lakewood, Baltimore, Md.

3144—Cookers for Fruit and Vegetable Canneries

ANDERSON-BARNGROVER MFG. CO., 333 W Julian, San Jose, Cal.
Bucyrus Copper Kettle Works Co. (The), Bucyrus, O. *See adv index at end of book*
California Canning Machinery Co., 776 W 10th, Riverside, Cal.
Smith Mfg. Co. Inc., Stockton & Alameda av, San Jose, Cal.

Cookers (Meal)

See Heaters or Cookers, Meal

3145— Cookers (Steam)

Anderson-Barngrover Mfg. Co. (Canners), S. 333 W Julian, San Jose, Cal.
Bramhall-Deane Co., 261 W 36th, New York
Buell B. B. & Co. (Pressure), Maritime bldg, Seattle, Wash.
Buzzini Walter J., 505 W 21st New York
Central Stamping Co., 206 B'way, New York
Chandlee H. P. Sons Co., 114 W. Lombard, Baltimore, Md.
Chicago Novelty Co., 537 S Dearborn, Chicago, Ill.
Clad Victor V. Co., 119 S 11th, Phila., Pa.
Griswold Mfg. Co. ("Griswold"), Dept. H, Erie, Pa.
Henninger & Ayes Mfg. Co. ("H. & A." Steam Pressure), 505 N 29th, Portland, Ore.
McAleer E. J. & Co., 1422 N 8th, Phila., Pa.
Metalite Co. ("Curtis Steamketel"), 649 S Clarence, Los Angeles, Cal.
National Enameling & Stamping Co., 411 5th av, New York
Northwestern **Steel &** Iron Works ("National" Aluminum, 10-Qt. Size, "National Junior No. 1" Pressure), Eau Claire, Wis.
Pressure Cooker Co. ("Denver"), 322 B'way, Denver, Col.
Republic Metalware Co. ("Savory"), 100 Alabama, Buffalo, N. Y.
Sechrist Albert Mfg. Co. ("Sechrist" Electric & Gas Pressure), 1717 Logan av, Denver, Colo.
Sexton S. B. Stove & Mfg. Co. (Cast Iron), 500 W Conway, Baltimore, Md.
Smith Mfg. Co. Inc., Stockton & Alameda, San Jose, Cal.
Standard Aluminum Co. (Aluminum), Two Rivers, Wis.
Toledo Cooker Co. ("Ideal"), Toledo, O.
Western Tin & Japan Mfg. Co. ("Challenge"), Spring Grove & Straight, Cincinnati, O.
Wolterstorff Range Co., 66 E 3d, St. Paul, Minn.
Wrought Iron Range Co., 5661 Natural Bridge av, St. Louis, Mo.

3146—Cookers (Tomato Pulp & Catsup)

Anderson-Barngrover Mfg. Co., 333 W Julian, San Jose, Cal.
Bucyrus Copper Kettle Works Co. (The), Bucyrus, O. *See adv index at end of book*
Hiller Stanley Inc., 369 Pine, San Francisco, Cal.
Holzer R. G. (Estate of), 317 Burgundy, New Orleans, La.
Premier Machinery Co., 310 Sansome, San Francisco, Cal.
Smith Mfg. Co. Inc., Stockton & Alameda av, San Jose, Cal.
U. S. Bottlers' Machinery Co. ("Fields," "U. S."), 4015 N Rockwell, Chicago, Ill.

3147— Cooking Apparatus

(Names with * also manufacture Monel Metal)

Alderson Sheet Metal Products (Steam Tables), 919 8th, Sacramento, Cal.
Aluminum Cooking Utensil Co. ("Wear Ever"), New Kensington, Pa.
Aluminum Goods Mfg. Co. (Kitchen Specialties), Manitowoc, Wis.
Aluminum Products Co. ("Lifetime"), La Grange, Ill.
American Elec. Heater Co. (Electric), 6125H Woodward, Detroit, Mich.
Bangs Jno. D. & Co., 421 S Wabash av, Chicago, Ill.
Barth L. & Son (Dirs.), Cooper Sq., New York
*Beckley Perforating Co., Garwood, N. J.
Blickman S. (Steam Tables), 534 Gregory av, New York
Blodgett G. S. Co., Burlington, Vt.
Born Steel Range Co., 3945 W 25th, Cleveland, O.
Bornstein J. & Sons, Inc., 562 1st av, Seattle, Wash.
Bramhall, Deane Co., 261 W 36th, New York
Bucyrus Copper Kettle Works Co. (The), (Copper), Bucyrus, O.
See adv index at end of book
Budde & Westermann, 7th av & 29th, New York
Buell B. B. & Co. (Steam Tables), Maritime bldg, Seattle, Wash.
Burg E. Co. (Jobbers, Hotel Supplies), 20 W 1st, Duluth, Minn.
Buzzini Walter J., 505 W 21st, New York
Cass Mfg. Co. (Steam Tables), 332 S Spring, Los Angeles, Cal.
Clad Victor V. Co., 119 S 11th, Phila., Pa.
*Cleveland Wire Cloth Co., Cleveland, O.
Combustion Utilities Corp., 8-10 Bridge, New York
Crane Wm. M. Co. ("Vulcan"), 18 E 41st, New York
Duncan John M. Co. (French Ranges, Broilers, etc.), 1729 Mission, San Francisco, Cal.
Duparquet Huot & Meneuse Co., 312 W Ontario, Chicago, Ill.
Fuller & Warren Co. (French Cooking), Troy, N. Y.
Geuder Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Globe Stove & Range Co., Kokomo, Ind.
Griswold Mfg. Co. ("Griswold" Aluminum), 12th & Raspberry, Erie, Pa.
*Hendrick Mfg. Co., Carbondale, Pa.
Hoos Jno. Co. (Dirs.), 308 S Hanover, Baltimore, Md.
Holcomb & Hoke Mfg. Co. ("Thermo-Chef" Gas Heated, Clock Regulated, Automatic), 1546 Van Buren, Indianapolis, Ind.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
Hutchinson Bros., 5 S Howard, Baltimore, Md.
Illinois Pure Aluminum Co. (Hotel Utensils), Lemont, Ill.
Ils John G. & Co., 839 Mission, San Francisco, Cal.
INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book

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Factory
Domestic

PERFECTION COOLERS

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Perfection Cooler Bodies have the **Thickest Insulation,** Perfection Coolers therefore have the **Greatest Ice Economy**

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1, 2 and 3 Bottle
Coolers
Syrup Dispensers

PERFECTION COOLER CO., MICHIGAN CITY, INDIANA

Janows-Kramer Range Co. (Restaurant), 640 W Randolph, Chicago, Ill.
*Jelliff Mfg. Corp., C. O., Southport, Conn.
Joesting & Schilling Co. (Hotel Supplies), 379 Sibley, St. Paul, Minn.
Kieffer Bros., Syracuse, N. Y.
Kronman E., 211 W 19th, New York
*Magosy & Buscher, 232 Canal, New York
Majestic Mfg. Co., 2134 Morgan, St. Louis, Mo.
Malleable Steel Range Mfg. Co. (Steam Tables, etc.), South Bend, Ind.
Mangrum & Otter, Inc. (Steam Tables, French Ranges, Coffee Urns), 827 Mission, San Francisco, Cal.
Metal Package Corp. of N. Y., 110 E 42nd, New York
See adv index at end of book
Miller A. G. (Coffee Urns), 103 Centre, New York
Miller Wm. Range & Furnace Co., 7th & Broadway, Cincinnati, O.
Montague Range & Furnace Co. (Hotel & Restaurant), 826 Mission, San Francisco, Cal.
Morandi-Proctor Co., 86 Washington, Boston, Mass.
*Munning & Co., A. P., Matawan, N. J.
New York French Range Co., 188 Chambers, New York
Oregon Sheet Metal Works (Steam Tables & Ranges), 146 Front, Portland, Ore.
Pacific Aluminum Co. ("Lustro"), Fresno, Cal.
Phoenix Metal Stamping Co. (Kitchen Utensils for Hotels & Institutes), 2827 W Fletcher, Philadelphia, Pa.
Popple & Knowles (Steam Tables), 1019 Post, Seattle, Wash.
Pick Albert & Co. (Hotel Ranges), 212 W Randolph, Chicago, Ill.
Ray Geo. A. Mfg. Co. (Steam Tabels), 1495 Niagara, Buffalo, N. Y.
Richardson & Boynton Co., 260 5th av, New York
Ricketts & Bartlett Range Co., 25 W Illinois, Chicago, Ill.
Rome Mfg. Co., Inc. ("Rome" Aluminum), Rome, N. Y.
Rudman & Scofield, 277 Pearl, New York
Russ Co. (Steam Tables), 5700 Walworth av, Cleveland, O.
Schlatter C. C. & Co. (Dlrs.), Fort Wayne, Ill.
Sexton S. B. Stove & Mfg. Co., 500 W Conway, Baltimore, Md.
Sheppard Isaac A. & Co., 500H S Chester, Baltimore, Md.
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co., John P., New Haven, Conn.
*Steel Products Mfg. Co., Cicero, Ill.
Steinmetz, Janney & Co. (Seamless Steel), 1421 Chestnut, Philadelphia, Pa.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
*Taylor Disc Co., Mansfield, O.
Topper T. J. Co. (Coffee Urns & Steam Tables), 1087 Mission, San Francisco, Cal.
Traub W. F. Range Co., 231 W Superior, Chicago, Ill.
Two Rivers Plating Works, Two Rivers, Wis.
*Tyler Co., W. S., Cleveland, O.
Universal Milking Mach. Co., H, Michigan av, Columbus, O.
Vitreous Enameling Corporation (Enamel Tops & Parts), 6800 Grant av, Cleveland, O.
See adv index at end of book
Wagner Mfg. Co. ("Wagner" Cast Iron & Cast Aluminum), Dept. H, Sidney, Ohio
Watkins Jas. Y. & Son (Bakers' Ranges), 20 Catherine, New York
Webb Elisha & Son Co. (Marine, also Lighting Apparatus), 136 S Front, Philadelphia, Pa.
West Bend Aluminum Co. ("West End" Waterless), West Bend, Wis.
Western Range Co. (Steam Tables), 532 McAllister, San Francisco, Cal.
Wolterstorff Range Co., 66 E 3d, St. Paul, Minn.
Wrought Iron Range Co., 5661 Natural Bridge av, St. Louis, Mo.

3148—Cooking Apparatus (Electric)

Allmur Mfg. Co., Marion, Ind.
Allmur Mfg. Co., Janesville, Wis.
American Electrical Heater Co. ("American Beauty"), 6125 Woodward, Detroit, Mich.
Bibb B. C. Stove Co. ("Tuxedo," "Hartford," "Improved Maryland," "Witmer," "Caroline," "Ellicott," "Bolton," "Calvert," "Cecil," "Avalon," "Arcadia," "Glymont," "Athol," "Elgin," "Oriole," "Improved Daisy," "Improved Mirror" Ranges), 109 Light, Baltimore, Md.
Bennington Scale Co., Bennington, Vt.
Berkeley Electric Cooker Co., Berkeley, Cal.
Blickman, Isidor (Steam Tables), 479 First av, New York
Buzzini Walter J., 505 W 21st, New York
Caloric Co., Janesville, Wis.
Clifford L. L. & Co., Marion, Ind.
Despatch Mfg. Co., 120 1st av, N Minneapolis, Minn.
Edison Elec. Applicance Co., Inc. (Hotpoint Div), 5600 W Taylor, Chicago, Ill.
Edison Elec. Appliance Co., Inc., 5660 W Taylor, Chicago, Ill.
Elec. Spec. Co. (Toasters & Irons), Benton Harbor, Mich.
Estate Stove Co. (Ovens), Hamilton, O.
Farad Elec. Co., Engineers' bldg, Cleveland, O.
Globe Stove & Range Co., Kokomo, Ind.
Glogau & Co., Great Lakes bldg, Chicago, Ill.
Hart, Wm. (Bakers & Confectioners), 34 Catherine, New York
Hughes Electric Heating Co. ("Hughes" Stoves & Ranges), 5660 W Taylor, Chicago, Ill.
International Instrument Co. (Electric Ovens), Cambridge, Mass.
Landers, Frary & Clark, New Britain, Conn.
Manhattan Electrical Supply Co., 17 Park pl, New York
Manning-Bowman & Co., Pratt, Meriden, Conn.
Majestic Elec. Appliance Co. ("Majestic"), 590 Folsom, San Francisco, Cal.
Majestic Electric Development Co., 2nd & Folsom, San Francisco, Cal.
Michigan Stove Co., Jefferson av & Adair, Detroit, Mich.
Pacific Mfg. & Elec. Co. ("Everhot" Steam Tables), 206 N Los Angeles, Los Angeles, Cal.
Pelouze Mfg. Co., 232 E Ohio, Chicago, Ill.
Pick Albert & Co. (Hotel Ranges), 212 W Randolph, Chicago, Ill.
Presto Elec. Co. Inc. ("Presto"), 703 Market, San Francisco, Cal.
Rathbone Sard Co., Albany, N. Y.
Reliance Elec. Htg. Co., Columbia, Pa.
Rochester Stamping Co., Rochester, N. Y.
Russell Electric Co., 340 W Huron, Chicago, Ill.
Rutenber Elec. Co., Marion, Ind.
S. P. Stove Co., Wilmette, Ill.
Scientific Products Co., Steubenville, O.
Simplex Electric Heating Co. ("Simplex"), Cambridge, Mass.
Standard Elec. Stove Co., 1720 N 12th, Toledo, O.
Stoneware Elec. Stove Wks., Dover, N. J.
Waage Elec. Co. (Toast Stoves & Percolators), 12 S Jefferson, Chicago, Ill.
Wells-Morris Mfg. Co. (Waffle Irons), 673 Folsom, San Francisco, Cal.
Westinghouse Electric Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book
Westgate Metal Products Co. ("Westgate" Automatic Cooking Cabinets), E 12th & 47th av, Oakland, Cal.
White-Stokes Co., 3615 Jasper pl, Chicago, Ill.
Wonder Electric Mfg. Co. ("Wonder"), 487 N 29th, Portland, Ore.

3149—Cooking Apparatus (Gas)

Blodgett G. S. Co., Burlington, Vt.
Buzzini Walter J., 505 W 21st, New York
Duparquet, Huot & Moneuse Co., 110 W 22d, New York
Fuller & Warren, Troy, N. Y.

3149a—Cooking Utensils (China)

Bethlehem Foundry & Machinery Co., Bethlehem, Pa.
Buffalo Forge Co., Buffalo, N. Y.
Buffalo Foundry & Machine Co (Sulphurous, 65 Winchester av, Buffalo, N. Y. *See adv index at end of book*
Duriron Casting Co., 90 West, New York
General Ceramics Co., 50 Church, New York
Knght Maurice A., Akron, O.
Thermal Syndicate, Lt., 59 E 41st, New York

3149b— Coolers (Acid)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Ohio Pottery Co. ("Ohio"), Zanesville, O
Thermal Syndicate Ltd., 58 Schenectady, New York

3150— Coolers (Air)

GRISCOM-RUSSELL CO. ("Multiwhirl"), 92 West, New York
See adv index at end of book
Lane Cold Air Machine Co., Albany bldg, Oakland, Cal.
Schutte & Koerting Co., 1251 N 12th, Phila., Pa. *See adv index at end of book*
Southwestern Condenser Co., 606 S Hill, Los Angeles, Cal.
Westgate Metal Products Co. ("Westgate-Lane" for Homes)," E 12th & 47th av, Oakland, Cal.
Whitlock Coil Pipe Co. ("Whitlock"), Hartford, Conn.
Worthington Pump & Machy. Corp., 115 B'way, New York

3151— Coolers (Ammonia)

Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
Creamery Package Mfg. Co. (Expansion), 61 W Kinzie, Chicago, Ill.
Kast Copper & Sheet Iron Co., 91 Main, Buffalo, N. Y.

3152— Coolers (Beer)

Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
Badger E. B. & Sons Co., 75a Pitts, Boston, Mass.
See adv index at end of book
Berner H. D. & Winterbauer Co., 444 Lafayette, New York
Bishop & Babcock Co., 1204 E 55th, Cleveland, O.
Cordley & Hayes, 32 Leonard, New York
See adv index at end of book
Deckebach F. C. Sons Co., 123 W Court, Cincinnati, O.
Hall Amos H. & Sons, Erie & F, Phila., Pa.
Keller George, 1051 Wyckoff av, Brooklyn N. Y.
Krenz Oscar, Copper & Brass Wks., 612H Bryant, San Francisco, Cal.
Ott Geo. F. Co., 209 Buttonwood, Phila. Pa.
Strater Herman & Sons, 74 Sudbury, Boston, Mass.
U. S. Faucet Co., 1155 Mission, San Francisco, Cal.

3152a— Coolers (Beverage)

PERFECTION COOLER CO., Michigan City, Ind.
See adv index at end of book

3153— Coolers (Brine)

Arctic Ice Machine Co., Canton, O.
See adv index at end of book
Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
Badger E. B. & Sons Co., 75A Pitts Boston, Mass.
See adv index at end of book
Baker Ice Machine Co., Omaha, Neb.
Carbondale Machine Co., Carbondale, Pa
Creamery Package Mfg. Co., 61 W Kinzie Chicago, Ill.
Niebling F. W. Co., 406 Elm, Cincinnati, O
Struthers-Wells Co., Warren, Pa.
Triumph Elec. Co. (Shell Type & Double Pipe), H, Oakley, Cincinnati, Ohio
Triumph Ice Machine Co. (Shell), Oakley, Cincinnati, O.
Vogt Henry Machine Co., Inc., Louisville, Ky.
York Mfg. Co., York, Pa.

3154-5— Coolers (Candy)

Collum Mfg. Co., 926 Main, Hartford, Conn.

3156—Coolers (Circulating Water)

Badger E. B. & Sons Co., 75A Pitts, Boston, Mass.
See adv index at end of book
Blaw-Knox Co., 681 Farmers Bank bldg., Pittsburgh, Pa.
See adv index at end of book
Devine J. P. Co., Buffalo, N. Y.
Frantz Refrigeration Co., 406-16 N Front, Reading, Pa.

3157— Coolers (Clinker)

Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.
Columbiana Boiler Co., Columbiana, O.
Connery & Co., 4000 N 2nd, Phila., Pa.
See adv index at end of book
Dover Boiler Works, Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Manitowoc Engineering Works, Manitowoc, Wis.
Stearns-Roger Mfg. Co. (Cement Clinker, etc.), 1720 Calif., Denver, Colo.
Treadwell Construction Co., Midland, Pa.

3158—Coolers (Cottonseed & Linseed Cake)

Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.
French Oil Mill Mach'y Co., Piqua, O.
Paducah Cooperage Co. (Tight Staves & Heading), Paducah, Ky.

Coolers (Disc)

See Stoneware, Chemical

3158a—Coolers (Domestic, Water)

PERFECTION COOLER CO., Michigan City, Ind.
See adv index at end of book

3158b—Coolers (Factory, Water)

PERFECTION COOLER CO., Michigan City, Ind.
See adv index at end of book

3158c—Coolers (Generator)

Atmospheric Conditioning Co., Lafayette bldg., Philadelphia, Pa.
Carrier Engineering Corp., 750 Frelinghuysen av, Newark, N. J.
COOLING TOWER CO., Inc., 15 John, New York
See adv index at end of book
Fleisher W. L. & Co., Inc., 31 Union sq. W, New York
Griscom Russell Co. ("U-Fin Generator Air Coolers), 92 West, New York

3158d—Coolers (Glass Enameled)

Elyria Enameled Products Co., Elyria, O.
Pfandler Co., Cutler bldg, Rochester, N. Y.

3159— Coolers (Lard)

Black-Clawson Co., Hamilton, O.
Devine J. P. Co., Buffalo, N. Y.
Novelty Steam Boiler Works, 917 S Howard, Baltimore, Md.

3160— Coolers (Lead)

Chadwick Boston Lead Co., 162 Congress, Boston, Mass.
Traylor Engineering & Mfg. Co., Allentown, Pa. *See adv index at end of book*

3161— Coolers (Meal)

Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Nordyke & Marmon Co., Kentuck av & Morris, Indianapolis, Ind.

3162—Coolers (Milk & Cream)

Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
Bloom Max & Co., 1147H Mission, San Francisco, Cal.
Burrell D. H. & Co. Inc. ("Burrell-Simplex" Internal Tube & Surface Coolers), Little Falls, N. Y.
Champion Milk Cooler Co., Cortland, N. Y.
Cordley & Hayes ("XX Century"), 32 Leonard, New York
See adv index at end of book
Creamery Package Mfg. Co. ("Economy"), 61 W Kinzie, Chicago, Ill.
Davis-Watkins Dairymen's Mfg. Co. (Open & Internal), North Chicago, Ill.
Kronz Oscar Copper & Brass Wks., 612H Bryant, San Francisco, Cal.
LEAKE A. G. ERECTING CO., INC. ("Leake Aerator"), Ash & Holland av, Bridgeport, Conn.
Lewis Mfg. Co. ("Perfection" Aerators), Cortland, N. Y.
Miller, H. H. Industries Co., Canton, Ohio
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.
PERFECTION COOLER CO., Michigan City, Ind.
See adv index at end of book
Superior Sheet Metal Works Co., 3201 Roosevelt av, Indianapolis, Ind.
Weber O. J. Co., 759 S Los Angeles, Los Angeles, Cal.
Western Dairy Supply Co., 729 E Washington, Los Angeles, Cal.

3162a—Coolers (Office Water)

PERFECTION COOLER CO., Michigan City, Ind.
See adv index at end of book

3163— Coolers (Oil)

Braun C. F. & Co. ("Braun"), Mission rd & Fremont av, Los Angeles, Cal.
GRISCOM-RUSSELL CO. ("Multiwhirl," "G R Vaneflo"), 92 West, New York
See adv index at end of book

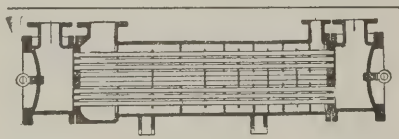
MULTIWHIRL COOLER



Designed for cooling of lubricating oil for turbine bearings, reduction gears, oil used in the heat treatment of steel, and for many other applications such as liquid to liquid heat exchangers, etc.

THE
GRISCOM-RUSSELL CO.
92 West Street New York

Ross Heater & Mfg. Co. Inc., 1407 West av, Buffalo, N. Y.
SCHUTTE & KOETING CO. ("S. & K." Film), 1251 N 12th, Philadelphia, Pa.
See adv index at end of book



Oil Cooler

Straight Tube Design. Maximum heat transfer per sq. ft. surface. Minimum pressure loss. Fifteen standard sizes. *Catalog 12-C.*
Schutte & Koerting Co., 1251 North 12th Street, Philadelphia, Pa.

Southwestern Condenser Co., 606 S Hill, Los Angeles, Cal.
Whitlock Coil Pipe Co. ("Whitlock"), Hartford, Conn.

3164— Coolers (Ore)

Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Stearns-Rogers Mfg. Co. ("Baker"), 1720 Calif., Denver, Colo.
Walker Mfg. Co., 2156 15th, Denver, Colo.

3165— Coolers (Rotary)

Allis Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.
KENNEDY VAN SAUN MFG. & ENG. CORP., 50 Church, New York
See adv index at end of book
McDermott Bros., 3rd & Washington, Allentown, Pa.
Manitowoc Engineering Works, Manitowoc, Wis.
Reeves Bros. Co. (The), Alliance, Ohio
See adv index at end of book
United Iron Wks., Inc., Kansas City, Mo.

3166— Coolers (Water)

Aldrich Mfg. Co., 57 Illinois, Buffalo, N. Y.
Allen Filter Co., Toledo, Ohio
Anderson L. Co. ("Stephenson"), Martinez, Cal.
Badger E. B. & Sons Co., 75A Pitts, Boston, Mass.
See adv index at end of book
BAYLEY MFG. CO. (Condensation), 66 Greenbush, Milwaukee, Wis.
Bohn W. G., 273 Hawthorne av, Portland, Ore.
Century Brass Works, Inc. (Stone Jar), 900 N Illinois, Belleville, Ill.
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Boston Filter Co. ("Boston"), Chelsea, Mass.
Buffalo Machine Mfg. Co. ("Jewett," "New Era"), 1354 West av, Buffalo, N. Y.
Central Stamping Co. ("Puritan"), 206 B'way, New York
Chandlee H. P. Sons Co., 114 W Lombard, Baltimore, Md.
Cooper & McKee, 110 Lorimer, Brooklyn, N. Y.
Cordley & Hayes ("Fibrotta," "XX Century," Wood Fibre), 32 Leonard, New York
Dressel Railway Lamp Works (For Locomotive or Railway Use, with Handle Attached), 3860 Park av, New York
Everson Filter Co. ("Everson," "Giant," "Eskimo," "Queen," "King"), 70 W Lake, Chicago, Ill.
Fearless Dish Washer Co. ("Barron"), Rochester, N. Y.
FRANTZ REFRIGERATION CO., 406-16 N Front, Reading, Pa.
Fulper Pottery Co., Flemington, N. J
Gray Peter & Sons, Inc., 236 Third, East Cambridge, Mass.
Greenwood Mfg. Co. (Iceless), 5140H Greenwood, Detroit, Mich.
Griscom-Russell Co. (Air & Water), 92 West, New York
See adv index at end of book
Kendall Heating Co. (Condensation), 24-26 Front, Portland, Ore.
Klemm & Co. (National Office & Factory), 1364 Grand av, Chicago, Ill.
Kraft A. C. ("Alaskan"), 323 W Lake, Chicago, Ill.
Krenz Oscar Copper & Brass Wks., 612H Bryant, San Francisco, Cal.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
McKee Glass Co. (All Glass), Jeannette, Pa.
Major Mfg. Co. (Glass), 461 Pearl, New York
Manning, Bowman & Co., Meriden, Conn.
National Enameling & Stamping Co., 411 5th av, New York
New Farson Mfg. Co. (Hardwood), Chester, Pa.
PERFECTION COOLER CO., Michigan City, Ind.
See adv index at end of book
Pick Albert & Co., 212 W. Randolph, Chicago, Ill.
Ray Geo. A. Mfg. Co. (All Copper Nickel Plated), 1495 Niagara, Buffalo, N. Y.
Republic Metalware Co., 100 Alabama, Buffalo, N. Y.
Robinson Clay Product Co. (Stone), Akron, Ohio
Ross Heater & Mfg. Co. Inc., 1407 West av, Buffalo, N. Y.
Sanitary Cooler Co., Pottstown, Pa.
Spray Engineering Co. ("Spraco" System for Condensing Water, Jacket Water, etc.), 62 High, Boston, Mass.
See adv index at end of book
Standard Stamping Co. ("Blizzard"), B'way & Chambers, St. Louis, Mo.
Superior Sheet Metal Works Co., 3201 Roosevelt av, Indianapolis, Ind.
Union Cooperage Co. ("U. C."), 2d & Penrose, St. Louis, Mo.

3167— Coolers (Wine)

Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
Cordley & Hayes, 32 Leonard, New York
See adv index at end of book
Braun C. F. & Co. ("Braun"), Mission rd & Fremont av, Los Angeles, Cal.
Krenz Oscar Copper & Brass Wks., 612H Bryant, San Francisco, Cal.
Ray Geo. A Mfg. Co. (Heavy Brass & Copper, Nickel Plated. Silver Lined, etc), 1495 Niagara, Buffalo, N. Y.

3167a— Cooling Nozzles (Water Spray)

BINKS SPRAY EQUIPMENT CO., 2129 Carroll av, Chicago, Ill.
COOLING TOWER CO. Inc., (Water) 15 John, New York.
See adv index at end of book
Lane Cold Air Machine Co., Albany bldg, Oakland, Cal.
Schutte & Koerting Co., 1251 N 12th, Phila., Pa. *See adv index at end of book*

3167b— *Cooling Ponds

COOLING TOWER CO. (The), Inc. (Complete nozzle & piping systems), 15 John, New York.
See adv index at end of book

3167c— Cooling Towers

COOLING TOWER CO. (The), Inc. (Atmospheric and Fan Towers of various materials, in all capacities for every service. Performance guaranteed), 15 John, New York
See adv index at end of book
Lancaster Iron Works, Lancaster, Pa.

3168— Cooperage Stock

Adams J. A. & Sons Co., Ltd. (Tight Staves for Whiskey, Oil & Pork Barrels, etc.), Ruston, La.
Adams S. H. (Slack Barrel Staves & Headings), Portland, Ind.
Alabama Cooperage Co. (Yellow Pine Heading, etc), Calera, Ala.
Albany Cooperage (Dirs.), 91 Franklin, Albany, N. Y.
American Stave & Cooperage Co., Chelsea, Mass.
Arkadelphia Milling Co. (Tight Barrel Staves, Kiln Dried & Jointed, Bucked & Sawed; Whiskey, Oil, Tierce & Cut Staves), Arkadelphia, Ark.
Bacon-Underwood Veneer Co., Stockton, Ala.

Baker-Matthews Mfg. Co. (Staves), Sikeston, Mo.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
Bauer Cooperage Co., 500 Hampshire, San Francisco, Cal.
Beebe Stave Co. (Ash & Cottonwood Staves & Heading & Coiled Elm Hoops), Little Rock, Ark.
Bell Edwin Co. (Slack), S 17th SS, Pittsburgh, Pa.
Bettis H. Co. (Slack Cooperage, Staves, Heading, Hoops, etc), Wheeling, W. Va.
Big Run Mfg. Co. (Staves), A-N-B bldg., Allentown, Pa.
Birmingham Cooperage Co., Jefferson County Bank bldg, Birmingham, Ala.
Bolz Cooperage Corp. (Slack Staves & Heading), 821 Clinton, St. Louis, Mo.
Borden B. F. & Co., Ltd., Front Royal, Va.
Bott Bros. Mfg. Co., Alexandria, Mo.
Bradley S. M. (Staves), Morehead, Ky.
Brooklyn Cooperage Co. (Sugar Barrels, etc.), 142 Kent av, Brooklyn, N. Y.
Brown Stave Co. (Ltd.), (Staves), Monroe, La.
Buckeye Stave Co. (Staves, etc), Leipsic, O.
Burdette Cooperage Co. (Staves & Headings), Burdette, Ark.
Burkhartsmeier Daniel Cooperage Co., 7254 S Chicago av, Chicago, Ill.
Bynum W. B., Dermott, Ark.
Calcutt N. W. Co. (Tight Barrel Staves & Heading), Dyersburg, Tenn.
California Barrel Co. (Mfrs. Slack & Tight Barrels), 22d & Illinois, San Francisco, Cal.
Campbell J. M. (Staves), Caldwell, Ark.
Cate-LaNieve Co., Bank of Commerce & Trust bldg, Memphis, Tenn.
Chess & Wymond Co. (Barrels & Kegs), 421 W Avery, Louisville, Ky.
Chickasaw Cooperage Co. (Shooks & Barrels), Phillips av., Memphis, Tenn.
Coleman W. H. Co. (Tight Barrel & Circled Heading), Jackson, Tenn.
Colvin S. S. Stave Co. (Staves, etc.), Pemberville, O.
Colwell Cooperage Co. (Jobbers, Package Stock), 120 B'way, New York
Cornie Stave Co. (Staves, etc), Junction City, Ark.
Courtney Co., Charleston, W. Va.
Davis W. M. Stave Co., 400 Wisconsin, Memphis, Tenn.
Delta Stave Co. (Staves), Sibley, La.
Dothan Milling & Mfg. Co., Dothan, Ala.
Doud Sons & Co., Winona, Minn.
Dunigan Stave & Cooperage Co., Meridian, Miss.
Durand Hoop Co., Durand, Mich.
Earl Cooperage Co. (Slack Ash & Elm Barrel & Butter Tub Stock), Earl, Ark.
Eberhard & Splater (Staves), Troy, Ind.
Eckhardt & Lennon Co., Monroe, La.
Export Cooperage Co. (Slack & Tight), Leslie, Ark.
Farmers' Mfg. Co. (Slack Cooperage, Staves, Headings & Hoops), Norfolk, Va.
Finke Bros (Staves, etc.), 254 Front, Portland, Ore.
Flint Hill Cooperage & Lumber Co. (Barrel, Staves & Headings), Flint Hill, Va.
Fostoria Stave & Barrel Co. (Staves, etc.), Fostoria, O.
Fuqua J. J. (Tight Stock, White & Red Oak, Sawn Staves & Heading), Milan, Tenn.
General Cooperage & Timber Co., Whitney Central bldg, New Orleans, La.
General Package Mfg. Co. (Tub & Pail), Aberdeen, Wash.
Genessee Cooperage Co. (Staves & Headings), Elba, N. Y.
Gerold Frank Co., 453 N Green, Chicago, Ill.
Gideon Cooperage Co., Dept. H, Gideon, Mo.
Gotshall Mfg. Co., Archbold, O.
Greif Bros. Cooperage Co. (All Kinds of Slack Stock), 1937 Willey av, Cleveland, O.
Griffith Robt. C. (Hoopes), Terre Haute, Ind.
Grismore-Hyman Co. (Slack Barrel), Cln. Bk. bldg., Memphis, Tenn.
Hall J. B., Lexington, Ky.
Hampton Stave Co. (Tight Stave Stock), Fordyce, Ark.
Harlan-Morris Mfg. Co. (Barrel Staves & Circled Heading), Jackson, Tenn.
Harrison John F. (Staves), Bienville, La.
Hardwood Package Co., Finance bldg, Phila., Pa.
Hayes A. L. Co. (Staves), 4th & 1st Bl., Nashville, Tenn.
Henning E., Inc. (Staves, Headings & Hoops), 431 S Dearborn, Chicago, Ill.
Heidt C. & Son (Staves, Headings & Hoops), 64 Fairmount, Jersey City, N. J.
Herbert Vogel & Mark Co. Inc., 18th & Indiana, San Francisco, Cal.
Himmelberger-Harrison Lumber Co. (Slack Heading), Dept. H, Cape Girardeau, Mo.
Hire Stave & Tile Co. (Staves, etc.), Mark Center, O.
Hirsch Cooperage Co., Houston, Texas
Hoge H. H. (Hoops, etc), New Knoxville, O.
Holland-Hlow Stave Co., Decatur, Ala.
Holland S. G. Stave Co. (Staves), 4th & 1st blvd., Nashville, Tenn.
Hollingshead & Blei Company Inc., 130 N Wells, Chicago
Hollingshead J. D. Co., 167 E Chicago av, Chicago, Ill.
Hornung Jacob (Staves, Hoops, etc), New Bavaria, O.
Hudson & Dugger Co. (Headings), Bank Commercial bldg., Memphis, Tenn.
Humble W. H. (Staves), Holly Grove, La.
Humboldt Cooperage Co. (Staves & Heading), Arcata, Cal.
Independent Cooperage Co., Dept. H, Fort Wayne, Ind.
Indiana Heading & Stave Co., Huntingburg, Ind.
Intermountain Concrete Co. (Cement Staves), Ogden, Utah
International Cooperage Co. ("International" Barrels & Kegs), Dept. H, Niagara Falls, N. Y.
Interstate Cooperage Co., 56 New, New York
Itasca Cooperage Co., Grand Rapids, Minn.
Jackson & Tindle (Slack Staves, Heading & Hoops), Jackson bldg., Buffalo, N. Y.
Jensen Creamery Machy. Co., Nelson & Locst av, Bloomfield, N. J.
Krause & Managan Lumber Co. (Headings), West Lake, La.
Knabb & Co., Warren, Pa.
Louisiana Cooperage Co. (Staves & Headings), Plaquemine, La.
McArdle & Co. (Dirs.), 38th pl. & Gage, U. S. Yards, Chicago, Ill.
McGlone E. Q., Ulvah, Ky.
McColgan J. W. (Staves), Dexter, Mo.
McLean I. F. (Tight Stock), Clifton pk., Nashville, Tenn.
McNeill Cooperage Co. (Slack Barrels), Phillipsburg, N. J.
Macon Cooperage Co., Division & Boundary, Macon, Ga.
Major Stave Co. (Tight Stock, White & Red Oak & Ash Staves), Dept. H, Monroe, La.
Marine Cooperage Co., Mobile, Aa.
Mays Manufacturing Co. (Tight Staves), Leslie, Ark.
Memphis Stave Mfg. Co. (Slack Stock, Elm, Gum, Sycamore, etc.), Wolf River, Memphis, Tenn.
Michel Cooperage Co., Sandusky, O.
Mill Shoals Cooperage Co., Syndicate Trust bldg, St. Louis, Mo.
Miller G. L., Java, N. Y.
Moeller John H. (Staves & Headings), Mt. Vernon, Ind.
Montgomery Stave & Cooperage Co., Montgomery, Ala.
Moore L. E. Stave Co. (Beer Staves, etc), Hibernia bldg, New Orleans, La.
Mt. Olive Stave Co. (Tight Staves & Heading), Batesville, Ark.
Murray C. E., Decherd, Tenn.
National Cooperage & Woodenware Co. (Tight, White Oak & Gum Staves & Heading), Peoria, Ill.
National Mfg. Co. (Slack Cooperage Stock for Flour, Lime & Sugar Barrels), General Motors bldg, Detroit, Mich.
Noble Wm. K. (Slack Barrel), Ft. Wayne, Ind.
Northern Ohio Cooperage & Lumber Co. (Slack Staves), Parkin, Ark.
Northwestern Wooden Ware Co. (Tub & Pail), 2001 Dock, Tacoma, Wash.
Ohio Stave Co. (Staves etc), Cardington, O.
Omaha Cooperage Co. (Tight & Slack Barrels), Omaha, Neb.
Ozark Cooperage & Lbr. Co. (Cooperage Stock), 3820 Washington, St. Louis, Mo.
Pacific Cooperage, 467 N 20th, Portland, Ore.
Paducah Cooperage Co. (Tight Staves, Headings & Shooks), Paducah, Ky.
Paragon Cooperage Co. (Jobbers), Dept. H, Fort Wayne, Ind.
Pekin Cooperage Co. (Tight), Pekin, Ill.
Pennoyer J. C. Co. (Slack & Tight), 8 S Dearborn, Chicago, Ill.
Pennsylvania Cooperage Co., Oil City, Pa.
Pennypacker W. G., Jr. (Slack Stock), 195 Delaware rd, Buffalo, N. Y.
Pensacola Cooperage Co. (Tight Barrel Staves & Circled Heading), Pensacola, Fla.
Pioneer Cooperage Co. (Tight), 2212 De Kalb. St. Louis. Mo.
Planter Mfg. Co. (Barrels), 7th & Maryland av, Portsmouth, Va.
Port Arthur Cooperage Co. (Oil Barrel Staves & Headings), Port Arthur, Tex.
Powell Cooperage Co., Memphis, Tenn.
Ritzwoller M. H. Co. (Tight Staves, Sawed & Bucked, Liquor, etc.), 4800 S Hoyne av, Chicago, Ill.
Rush H. G. Cooperage Co. (Staves & Headings), Oil City, Pa.
Russell Frank B. (Beer Staves), Louisville, Ky.
St. Helens Creosoting Co., Yeon bldg, Portland, Ore.
Schinnerer Geo. (Slack Staves & Hoops), Columbus, Ind.
Schweickhard Jacob (Hoops, etc), Tiffin, O.
Sengel Philip & Son (Barrels), Louisville, Ky.
Sheahan B. C. Co., 166 W. Jackson, Chicago, Ill.
Sigman M. L., Monticello, Ark.
Skuse Cooperage (Slack), Rochester, N. Y.
Southern Cooperage Co. (Staves, Headings & Hoops), 3150 Chartres, New Orleans, La.
Southern Cooperage Co. (Slack Barrel Heading Keg Staves, etc), Claremont, Va.
Southern Roller Stave & Heading Co. (Staves, Headings, etc), Elizabeth City, N. C.
Standard Cooperage Co., Aberdeen, Washington
Stave & Manufacturing Co., Piggott, Ark.
Struthers-Ziegler Cooperage Co. (Slack Barrel Stock, Staves, Hoops & Heading), 1314 Lafayette bldg., Detroit, Mich.
Sutherland-Innis Co. Ltd., 17 Battery pl, New York
Tensas Cooperage Co., N McLean, Memphis, Tenn.
Tennessee Hoop Co. (Coiled Elm Hoops), Waterwork av., Memphis, Tenn.
Treworgy Chas. J. Corp. (Staves & Headings), Ellsworth Falls, Me.
Trexler Cooperage Co. (Slack), A N B bldg., Allentown, Pa.
Trexler Cooperage Co. (Slack), Allentown, Pa.
Union City Hoop & Lumber Co. (Coiled Elm Hoops), Union City, Ind.
Vail Cooperage Co. (Slack Barrels, Staves & Hoops), Ft. Wayne, Ind.
Van Aken C. M. Cooperage Co. (Slack Barrel Staves & Heading, Elm Hoops for Flour, Sugar, Lime, Cement, Fruit, etc), 141 B'way, New York
Va. Barrel Co. (Slack Barrels, Staves & Heading), Winchester, Va.
Voltermann F. H. (Tight, White & Red Oak, Ash, Gum & Cypress), Brownsville, Tenn.
Walsh J. V. Co., Pittsburgh, Pa.
Wamsley A. S. (Hoops), Stout, O.
Western Cooperage Co., Northwestern Bk. bldg., Portland, Ore.
Whitehouse & Dyer (Slack & Tight), Columbia, Tenn.
Williams S. C. & Co. (Slack, for Pottery Packages), East Liverpool, O.
Williamston Cooperage Co. (Heading, Staves), Williamston, N. C.
Wilson-Wrape W. W. Stave Co. (Tight, Specialty Whiskey Staves), Little Rock, Ark.
Wright Barrel & Export Co., Inc., Jacksonville, Fla.
Wylie & Wilson (Slack), Saginaw, Mich.
Wynne Stave Co. (Tight Barrel Staves), Wynne, Ark.
Young E. L. Heading Co., Aberdeen, Miss.

3169— Cooper's Supplies

Godfrey John F., Elkhart, Ind.
Hynson Tool & Supply Co. (Tools & Supplies), 4758 Easton av, St. Louis, Mo.

3170— Coops (Poultry)

Bumpass Coop Co. (Brood), Bumpass, Va.
Defiance Box Co. ("New Royal," "Sites"), Defiance, O.
Defiance Welding Co. (Steel Feeding), Defiance, O.
Delphos Mfg. Co. (Galvanized), 1st & Pierce, Delphos, O.
Excelsior Stone & Mfg. Co., Quincy, Ill.
Foster Sheet Metal Co. (Galvanized), Springfield, Ill.
Giusti S. A., 1111 Sansome, San Francisco, Cal.
Hawkeye Pump Co. (Brood), Fairfield, Ia.
Niemann Bros. (Brood), Mt. Olive, Ill.
Northwestern Stamping Co., Burlington, Ia.
Omaha Box Co., Omaha, Neb.
Otselic Mfg. Co. (Brood), Whitney Point, N. Y.
Reeves Mfg. Co., Dover, O.
Union Steel Products Co., Ltd. (Sanitary, All Steel), Albion, Mich.
United Steel & Wire Co. ("Steel Pyramid" Exhibition Coops), 327 Fonda av, Battle Creek, Mich.
Weber & Kirch Mfg. Co., Keokuk, Ia.

Copal Gum Importers

See Varnish Gums

3170a-b— Coping Wall

See also Pipe-Sewer

American Fire Brick Co. (Glazed Firewall), N 1102 Monroe, Spokane, Wash.
Chattanooga Sewer Pipe Works, W 11th & Cross, Chattanooga, Tenn.
Columbus Sewer Pipe Co., Columbus, Ga.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Macomb Sewer Pipe Works, Macomb, Ill.
Macon Sewer Pipe Works, Macon, Ga.
Miller & Coulson (Dealer), 5748 Ellsworth av, Pittsburgh, Pa.
Ogden Sewer Pipe & Clay Co., Ogden, Utah
Robinson Clay Produce Co., 2nd National bldg, Akron, Ohio
San Antonio Sewer Pipe Works, San Antonio, Texas
Southern Sewer Pipe Works, Birmingham, Ala.
Standard Sewer Pipe Works, Rome, Ga.
Structural Slate Co. The (Slate Only), 101 Marietta, Pen Argyl, Pa. (With Natural Slate Blackboard Co., Pen Argyl.)
See adv index at end of book
Texarkana Pipe Works, Texarkana, Texas

3170c— Copper Acetate

Dissosway Chemical Co. Inc. (Normal Crystal), 55-63 Eckford, Brooklyn, N. Y.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y.
See adv index at end of book

Copper Angles, Channels, Etc.

See Brass & Copper Angles, Channels, etc.

3171—Copper (Bolt & Bar)

AMERICAN BRASS CO., Waterbury, Conn.
For branch offices see adv index at end of book
American Smelting & Refining Co., 120 B'way, New York
Baltimore Copper Smelting & Rolling Co., Canton, Baltimore, Md.
Bridgeport Brass Co., E Main, Bridgeport, Conn.
Conklin T. E. Brass & Copper Co., 54-60 Lafayette, New York
See adv index at end of book
Detroit Copper & Brass Rolling Mills, Clark av, nr. Wabash RR., Detroit, Mich.
Hendricks Bros., 49 Cliff, New York
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Livermore, Homer F., Inc., 85 Pearl, Boston, Mass.
Philipp Bros., 29 B'way, New York
Rome Brass & Copper Co. (Hard & Soft Drawn Copper Bar), Rome, N. Y.
Tacoma Smelting Co., Tacoma, Wash.
Taunton-New Bedford Copper Co., Taunton, Mass.
United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven Conn.
WHITEHEAD METAL PRODUCTS CO., 67-73 Washington N, Boston, Mass.
See adv index at end of book
Whitehead Metal Produts Co. of N. Y. Inc., 261-7 Canal, New York, & 43 N 7th, Phila., Pa.
See adv index at end of book

3172— Copper Bottoms

AMERICAN BRASS CO., Waterbury, Conn.
For branch offices see adv index at end of book
Baltimore Copper Smelting & Rolling Co., Canton, Baltimore, Md.
Conklin T. E. Brass & Copper Co., 54-60 Lafayette, New York
See adv index at end of book
Detroit Copper & Brass Rolling Mills, Clark av, nr. Wabash R. R., Detroit, Mich.
Hungerford U. T. Brass & Copper Co. ("Star" Pits & Flats), 86 Lafayette, New York
Hussey C. G. & Co., 2850 2d av, Pittsburgh, Pa.
Merchant & Evans Co. (Pits & Flats), Washington av & 21st, Phila., Pa.
Michigan Copper & Brass Co., 1611 W. Jefferson av, Detroit, Mich.
New Haven Copper Co., Seymour, Conn.
Rome Brass & Copper Co., Rome, N. Y.
Taunton-New Bedford Copper Co., Taunton, Mass.
Whitehead Metal Products Co. of N. Y., Inc., 261-7 Canal, New York, & 43 N 7th, Phila., Pa.
See adv index at end of book

3172a — Copper (Boron)

American Boron Products Co. (Plastics, Copper-nickel & Copper-lead, Antifriction in Short Form), Cherry & Carpenter, Reading, Pa.

Copper (Braziers')

See Copper Bottoms

3172b— Copper (Bus Bar)

Electric Materials Co., North East, Pa.

3172c— Copper Carbonate

Barker Bros. Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
Cooper Chas. & Co., 194H Worth, New York
Cooper & Cooper Inc., 23H Cliff, New York
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
FOX M. EWING CO., 241 E 136th, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Lockport Chemical Wks., Lockport, Ill.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Muning A. P. & Co., Mattawan, N. J.
Riddle Chemical Co. Inc., 35 S Dearborn, Chicago
See adv index at end of book
Vitro Manfg. Co. (Green), H. Bessemer bldg, Pittsburgh, Pa.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y.
See adv index at end of book

JOHN C. WIARDA & CO.
83 Provost St., Brooklyn, N. Y.
MANUFACTURING CHEMISTS

3172d— Copper Chloride

Cooper Chas. & Co., 194 Worth, New York
Dissosway Chemical Co. Inc., (Crystal), 55-63 Eckford, Brooklyn, N. Y.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

3172e— Copper (Chromium)

ELECTRO METALLURGICAL SALES CORP., Carbide & Carbon bldg., New York
See adv index at end of book

3172f— *Copper Cobalt

Metal & Thermit Corp., 120 B'way, New York

Copper Coils

See Pipe Bends & Coils

3173— Copper Cyanide

Buchanan Thos. Co. The, 114 W. Pearl, Cincinnati, O.
See adv index at end of book
General Platers' Supply Co., Inc., 103 Grand, Brooklyn, N. Y.
See adv index at end of book
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Middlesex Aniline Co. Inc., Lincoln, N. J.

Copper Dealers Sheet

See Tin Plate, Metals, etc.

3174—Copper (Dynamo Brush)

BALTIMORE TUBE CO., Wicomico & Ostend, Baltimore, Md.
Detroit Copper & Brass Rolling Mills, Clark av. nr. Wabash R. R., Detroit. Mich.
Hungerford U. T. Brass & Copper Co. ("Star"), 66 Lafayette, New York
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
Michigan Copper & Brass Co., 1611 Jefferson av, Detroit, Mich.
Rome Brass & Copper Co. (Brush & Battery Copper, Annealed or Hard), Rome, N. Y.
Taunton-New Bedford Copper Co. Taunton, Mass.

3175—Copper (Electric & Foil)

Benson H. K. & F. S., Glen-Ridge, N. J

3176—Copper Fire Box Sheets

Baltimore Copper Smelting & Rolling Co., Canton, Baltimore, Md.
Detroit Copper & Brass Rolling Mills, Clark av. nr. Wabash R. R., Detroit, Mich.
Hendricks Bros., 49 Cliff, New York
Hussey C. G. & Co., 2850 2d av, Pittsburgh, Pa.
Michigan Copper & Brass Co., 1611 Jefferson av, Detroit, Mich.
Taunton-New Bedford Copper Co., Taunton, Mass.

3177—Copper for Commutator Bars

AMERICAN BRASS CO., Waterbury, Conn. For branch offices, see adv index at end of book
BALTIMORE TUBE CO., Wicomico & Ostend, Baltimore, Md.
See adv index at end of book
Conklin T. E. Brass & Copper Co., 54-60 Lafayette, New York
See adv index at end of book
Detroit Copper & Brass Rolling Mills, Clark av. nr. Wabash R. R., Detroit, Mich.
Electric Materials Co., North East, Pa.
Eureka Co., Northeast, Pa.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
Taunton-New Bedford Copper Co., Taunton, Mass.
Whitehead Metal Products Co., 67-73 Washington N, Boston, Mass.
See adv index at end of book
Whitehead Metal Products Co. of N. Y. Inc., 261-7 Canal, New York, & 43 N 7th, Phila., Pa.
See adv index at end of book

3177a—Copper (Hard Drawn)

Electric Materials Co., North East, Pa.

3177b—Copper (Hot Rolled)

Electric Materials Co., North East, Pa.

3178— Copper (Manganese)

Ajax Metal Co. ("Ajax"), 46 Richmond, **Phila., Pa.**
American Alloys Co., American bldg, Baltimore, Md.
Belmont Smelting & Refining Works, Inc., (Belmont Brand—Any formula), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book
Damascus Bronze Co. ("Damascus" 10%, 20%, 30%), N. S., Pittsburgh, Pa.
Dissosway Chemical Co. Inc. (Crystal), 55-63 Eckford, Brooklyn, N. Y.
Electric Smelting & Aluminum Co., Lockport, N. Y.
ELECTRO METALLURGICAL SALES CORP., Carbide & Carbon bldg., New York
METAL & THERMIT CORP., 120 B'way, New York
More-Jones Brass & Metal Co., B'way & Dock, St. Louis, Mo.
Reeves Paul S. & Co., 1415 Catherine, Phila., Pa.
Riverside Metal Co., Riverside, N. J.
United States Reduction Co., E Chicago, Ind.

3178a— Copper Nitrate

Cooper & Cooper Inc., 23H Cliff, New York
General Chemical Co., 40 Rector, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merrimac Chemical Co., 143 State, Boston, Mass.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

3178a1— *Copper Oleate

Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book

Copper, Ores, Mattes & Bullion

See Ores, Copper

3178b— Copper Oxide

Belmont Smelting & Refining Works, Inc., (Buyers and sellers—all kinds), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book
DRAKENFELD B. F. & CO. INC. (Mfrs.), 50 Muray, New York
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Fox M. Ewing Co., 241 E 136th, New York
Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Riverside Metal Co., Riverside, N. J.
Vitro Manfg. Co. (Red & Black), H Bessemer bldg, Pittsburgh, Pa.
Wiarda John C. & Co. (Red & Black), 83 Provost, Brooklyn, N. Y.
See adv index at end of book

3179— Copper (Polished)

AMERICAN BRASS CO., Waterbury, Conn. For branch offices, see adv index at end of book
Benson Rolling Mills, Inc. (For photo engraving), Glen Ridge, N. J.
Conklin T. E. Brass & Copper Co., 54-60 Lafayette, New York
See adv index at end of book
Dallas Brass & Copper Co., 820 Orleans, Chicago, Ill.
Hussey C. G. & Co., 2850 2d av, Pittsburgh, Pa.
New Haven Copper Co., Seymour, Conn.
North American Copper Co., 52 Vanderbilt av, New York
Taunton-New Bedford Copper Co., Taunton, Mass.
United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.

3179a— Copper Producers

Miami Copper Co., 61 B'way, New York
Tennessee Copper Co., 61 B'way, New York

3180—Copper Refiners (Electrolytic)

American Smelting & Refining Co., 120 B'way, New York; Works: Perth Amboy, N. J.

Anaconda Copper Mining Co., 25 B'way, New York
Balbach Smelting & Refining Co., 580 Market, Newark, N. J.
Baltimore Copper Smelting & Rolling Co., Canton, Baltimore, Md.
Clendenin Bros., 108 South, Baltimore, Md.
Nichols Copper Co., 25 Broad, New York
Tacoma Smelting Co., Tacoma, Wash.
Turukawa & Co., Ltd. (Imp), 120 B'way New York
U. S. Metals Refining Co., 120 B'way, New York
United States Smelting, Refining & Mining Co. ("U. S. S. Co."), 120 B'way, New York

3180a— Copper (Resinate)

Hochmeister-Lind Chemical Co., Pittsburgh, Pa.

3181— Copper (Roll)

AMERICAN BRASS CO., Waterbury, Conn.
For branch offices see adv index at end of book
Baltimore Copper Smelting & Rolling Co., Canton, Baltimore, Md.
BALTIMORE TUBE CO., Wicomico & Ostend, Baltimore, Md.
See adv index at end of book
Bridgeport Brass Co., E Main, Bridgeport, Conn.
CONKLIN T. E. BRASS & COPPER CO., 54-60 Lafayette, New York
See adv index at end of book
Dallas Brass & Copper Co., 820 Orleans, Chicago, Ill.
Detroit Copper & Brass Rolling Mills, Clark av, nr. Wabash R. R., Detroit, Mich.
Hungerford U. T. Brass & Copper Co ("Star"), 86 Lafayette, New York
Hussey C. G. & Co., 2850 2d av, Pittsburgh, Pa.
Michigan Copper & Brass Co., 1611 Jefferson av, Detroit, Mich.
National Brass & Copper Co., Lisbon, O.
New Jersey Tube Co., Harrison, N. J.
Plume & Atwood Mfg. Co., Waterbury, Conn.
WHITEHEAD METAL PRODUCTS CO., 67-73 Washington, North Boston, Mass. *See adv index at end of book*
Whitehead Metal Products Co. of N. Y., Inc., 261-7 Canal, New York, & 43 N 7th, Phila., Pa.
See adv index at end of book

3182— Copper Scale

Belmont Smelting & Refining Works, Inc. (Any quality), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book
Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book

3182a— Copper (Scrap)

Belmont Smelting & Refining Works, Inc. (Buyers and sellers—All kinds), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book
Knight Iron & Metal Co., 27th to 28th, 1st av, Birmingham, Ala.
Nelson Ira L., 10 High, Boston, Mass.

Copper (Sheet)

See Copper & Brass Sheet

3183—Copper Sheets (Cold Rolled & Annealed)

Baker-Payne-Voye Co. (Dlrs), 1177 Adams, Boston 24, Mass.
BALTIMORE TUBE CO., Wicomico & Ostend, Baltimore, Md.
See adv index at end of book
Benson Rolling Mills, Inc., Glen Ridge, N. J.
CONKLIN T. E. BRASS & COPPER CO., 50-64 Lafayette, New York
See adv index at end of book
Dallas Brass & Copper Co., 820 Orleans, Chicago, Ill.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
North American Copper Co., 52 Vanderbilt av, New York
New Jersey Tube Co., Harrison, N. J.
Taunton-New Bedford Copper Co., Taunton, Mass.

3184— Copper (Silicon)

Ajax Metal Co. ("Ajax"), 46 Richmond, Phila., Pa.
Am. Boron Products Co. (Boronic in Shot Form), Cherry & Carpenter, Reading, Pa.
Belmont Smelting & Refining Works, Inc. (Belmont Brand—any formula), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book
Damascus Bronze Co. ("Damascus" Guaranteed 10%, 20%, 30%), N. S., Pittsburgh, Pa.
Electric Smelting & Aluminum Co., Lockport N. Y.
ELECTRO METALLURGICAL SALES CORP. Carbide & Carbon bldg., New York
Metal & Thermit Corp., 120 B'way, New York
O'Connor J. J. & Co. (Dealers), Oliver bldg, Pittsburgh, Pa.

3185— Copper Sulphate

See also Chemicals, Battery

Am. Metal Co., 61 B'way, New York
American Smelting & Refining Co., 120 B'way, New York
Balbach Smelting & Refining Co., 280 B'way, New York
Cooper & Cooper Inc., 23H Cliff, New York
Domestic Chemical Corp., Maspeth & Gardner avs, Brooklyn, N. Y.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Fergusson Bros., 109 Chestnut, Phila, Pa.
General Chemical Co. (Blue Stone), 40 Rector, New York
Glogau & Co., Great Lakes bldg, Chicago, Ill.
Goldsmith Bros. Smelting & Refining Co., Heyworth bldg, Chicago, Ill.
Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Irvington Smelting & Refining Works, **Irvington, N. J.**
Klipstein A. & Co., 644 Greenwich, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Mountain Copper Co. (Ltd.), ("Morocco" Bluestone), 322 Pine, San Francisco, Cal.
Nichols Copper Co., 25 Broad, New York
PHILIPP BROS., INC., 233 B'way, New York
See adv index at end of book

COPPER SULPHATE
Large Crystals—Small Crystals
Granular—Powder
PHILIPP BROTHERS, Inc.
233 Broadway, New York

Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Riddle Chemical Co. Inc., 35 S Dearborn, Chicago
See adv index at end of book
Sergeant E. M. Co., 131 Cedar, New York
Stauffer Chemical Co., 624 California, San Francisco, Cal.
Vitro Manfg. Co., H Bessemer bldg, Pittsburgh, Pa.
WIARDA JOHN C. & CO. (Crystal & Powder), 83 Provost, Brooklyn, N. Y.
See adv index at end of book

3185a— Copper Sulphide

Mallinckrodt Chemical Works, 2nd & Mallinckrodt. St. Louis, Mo.
See adv index at end of book

3186— Copper (Tinned)

AMERICAN BRASS CO., Waterbury, Conn. For branch offices, see adv index at end of book
Baltimore Copper Smelting & Rolling Co., Canton, Baltimore, Md.
Hardy Chas., Inc. (Broker), 1 Pershing sq., New York
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Hussey C. G. & Co., 2850 2d av, Pittsburgh, Pa.

Copper Tubes

See Tubing, Brass & Copper

3187—Copper Ware (Stamped, Plated, Etc.)

Atlantic Stamping Co., 156-180 Ames, Rochester, N. Y.
Bucyrus Copper Kettle Works Co. (The), Bucyrus, O. *See adv index at end of book*
Burton W. J. Co. (Tea Kettles), 5650 Federal, Detroit, Mich.
Kreamer A., Inc., 307 Kent av, Brooklyn, N. Y.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Lisk Mfg. Co. (Ltd) ("Lisk" Nickel Plated), Canandaigua, N. Y.
Manning, Bowman & Co., Meriden, Conn.
Picking O. & Son., Bucyrus, Ohio
Ray Geo. A. Mfg. Co., 1495 Niagara, Buffalo, N. Y.
Rochester Stamping Co. ("Royal Rochester," "Rochester"), 176H Anderson av, Rochester, N. Y.
Rome Mfg. Co. ("Rome" Tea Kettles, Coffee Pots, Boilers, etc.), Rome, N. Y.

3188—Copper Work (Dyers')

American Copper & Brass Works, Cincinnati, O.
Badger E. B. & Sons Co., 75A Pitts, Boston, Mass. *See adv index at end of book*
Bucyrus Copper Kettle Works Co. (The), Bucyrus, O. *See adv index at end of book*
Grebenzik H. & Son, N Paterson, N. J.
Northwestern Copper & Brass Works, 59 W 3rd, St. Paul, Minn.
Rome Brass & Copper Co., Rome, N. Y.
Taunton-New Bedford Copper Co., Taunton, Mass.
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.

3189—Copper & Brass (Sheet)

AMERICAN BRASS CO. ("Anaconda" & "Anaconda Economy!" Strip Copper), Waterbury, Conn.
For branch offices see adv index at end of book
Baker-Payne-Voye Co. (Dlrs.), 1177 Adams, Boston 24, Mass.
Baltimore Copper Smelting & Rolling Co. (Copper Only), Canton, Baltimore, Md.
BALTIMORE TUBE CO., Wicomico & Ostend, Baltimore, Md.
See adv index at end of book
Benson Rolling Mills Inc., Glen Ridge, N. J.
Bridgeport Brass Co. (Copper Only), Dept. H, E Main, Bridgeport, Conn.
Bridgeport Rolling Mills, Inc. (Brass & Bronze), Bruce & Stratford av, Bridgeport, Conn.
Bristol Brass Co. (Brass Only), Bristol, Conn.
Chase Metal Works, Div. Chase Co.'s Inc. ("Chase," Also Bronze), Waterbury, Conn.
Chase Rolling Mills, Div. Chase Companies, Inc. ("Chase," Also Bronze), Waterbury, Conn.
Conklin T. E. Brass & Copper Co., 54-60 Lafayette, New York
See adv index at end of book
Conn. Brass & Mfg. Corp. (Thin Gauge), Watertown av, Waterbury, Conn.
Dallas Brass & Copper Co., 820 Orleans, Chicago, Ill.
Detroit Copper & Brass Rolling Mills, Clark av, nr Wabash R. R., Detroit, Mich.
Erie Bronze Co., 355 W 19th, Erie, Pa.
Froment & Co. (Alloy), 150 Bank, New York
Gardner B. M. Co., Guardian bldg, Cleveland, O.
Hendricks Bros. (Copper Only), 49 Cliff, New York
Hough W. S. Co., Dept. H, Attleboro, Mass.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Hussey C. G. & Co. (Copper Only), 2850 2nd av, Pittsburgh, Pa.
Livermore Homer F. Inc., 85 Pearl, Boston, Mass.
McKenna Brass Mfg. Co. (Jobbers), 1st av & Ross, Pittsburgh, Pa.
Marshall Blow Pipe Co., 7431 Dubois, Detroit, Mich.
Merchant & Evans Co. (Jobbers), Washington av & 21st, Phila., Pa.
Michigan Copper & Brass Co., 1611 Jefferson av, Detroit, Mich.
National Brass & Copper Co., Lisbon, O.
National Brass & Copper Tube Co., 30 Church, 17 E 42nd, New York
New England Brass Co., Taunton, Mass.
New Haven Copper Co. (Copper Only), Seymour, Conn.
New Jersey Tube Co., Harrison, N. J.
New York Brass & Copper Co., 154 Grand, New York
North American Copper Co., 52 Vanderbilt av, New York
Philadelphia Brass Co., East Downington, Pa.
Plume & Atwood Mfg. Co. (Brass), Waterbury, Conn.
Prime Mfg. Co. (Machined), 97 Wisconsin, Milwaukee, Wis.
Randolph-Clowes Co., Waterbury, Conn.
Riverside Metal Co. (Brass Only), Riverside, N. J.
Rome Brass & Copper Co., Rome, N. Y.
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
SCOVILL MFG. CO. (Brass Only), Waterbury, Conn. *See adv index at end of book*
Selby Smelting Works (Copper), 201 1st, San Francisco, Cal.
Seymour Mfg. Co., Seymour, Conn.
Somers Co., Inc. (Thin Gage), Waterbury, Conn.
Stamford Rolling Mills Co., Inc., Springdale, Conn.
Stimpson Edwin B. Co. (Flat & Coils), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Taunton-New Bedford Copper Co., Taunton, Mass.
Twentieth Century Brass Works (Brass), 514 5th av S, Minneapolis, Minn.
United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.
Waterbury Rolling Mills (Brass Sheets & Rolls), Waterbury, Conn.

(Continued on following page)

WIRE
RODS
SHEETS

BRASS, COPPER and MONEL METAL

SEAMLESS
AND
BRAZED
TUBES

PHOSPHOR BRONZE AND NICKEL SILVER

RIVETS—BOLTS & NUTS—NAILS—SCREWS—SCREEN CLOTH

LARGE STOCKS IN BOSTON AND NEW YORK

WHITEHEAD METAL PRODUCTS CO.
67-73 Washington Street, North
BOSTON, MASS.

WHITEHEAD METAL PRODUCTS CO
OF N. Y., INC.
261-267 Canal Street, New York
725 Arch Street, Philadelphia, Pa.

Copper & Brass (Sheet)—Cont.

WHITEHEAD METAL PRODUCTS CO., 67-73 Washington N, Boston, Mass.
See adv index at end of book

Whitehead Metal Products Co. of N. Y., Inc., 261-7 Canal, New York, & 43 N 7th, Phila., Pa.
See adv index at end of book

3190— Copperas

Anderson-Hillier Co. Inc. (Powdered), 73 Hudson, New York
Fergusson Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
General Chemical Co., 40 Rector, New York
Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Indiana Steel & Wire Co. (Sulphate of Iron), Muncie, Ind.
Innis, Speiden & Co., Inc., 46 Cliff, New York
Keystone Steel & Wire Co., Peoria, Ill.
Klipstein A. & Co. (Imp.), 644 Greenwich, New York
National Zinc Co., 61 B'way, New York
Ohio Seamless Tube Co., Shelby, O.
Penna. Salt Mfg. Co., Widener bldg, Phila., Pa.
Powers-Weighman-Rosengarten Co., 916 Parrish, Phila., Pa.
Republic Iron & Steel Co. (Niles Wks.), Niles, O.
Riddle Chemical Co. Inc. (Sugar), 35 S Dearborn, Chicago
See adv index at end of book
Riverside Acid Works, Warren, Pa.
Sergeant E. M. Co., 131 Cedar, New York
Stauffer Chemical Co., 624 California, San Francisco, Cal.
Taylor N. & G. Co., 300 Chestnut, Phila., Pa.
Wagner Chas. A. Co., Inc., 223 N Front, Phila., Pa.
Westmoreland Chemical & Color Co., 925 Chestnut, Phila., Pa.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y.
See adv index at end of book
Wickwire Bros., Dept. H, Cortland, N. Y.

3191— Coppers (Battery)

AMERICAN BRASS CO., Waterbury, Conn.
For branch offices see adv index at end of book

Beattie Zinc Works Co., Reading, Mass.
Bryant Mfg. Co., 456 W Ontario, Chicago, Ill.
Bryant Zinc Co., 600 Orleans, Chicago, Ill.
Edes Mfg. Co., Plymouth, Mass.
Eureka Co., North East, Pa.
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Manhattan Electrical Supply Co., 17 Park pl, New York
Pearce Fred'k Co., 70 W 40th, New York
Railroad Supply Co., 203 S Dearborn, Chicago, Ill.

3192— Coppersmiths

See also Boilers, Range, Copper

Ahlers & Gregoire, Louisville, Ky.
American Copper & Brass Works, 614 E Front, Cincinnati, O.
Ames & Ginty, 75 Mountfort, Boston, Mass.
Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
Aufruchtig Alois, Copper & Iron Wks., 900 S 3rd, St. Louis, Mo.
BADGER E. B. & SONS CO., 75A Pitts, Boston, Mass. *See adv index at end of book*
Baeuerle & Morris, 932 N Front, Phila., Pa.
Baizley Jno. Iron Works, 514 S Delaware av, Phila., Pa.
Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
Bertelsen & Petersen Eng. Co., 256 Border, Boston, Mass.
Blessing C. A., 516 Montgomery av, Phila., Pa.
Boston Copper Works Co., E Boston, Mass.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

COPPERSMITHS
BUFFLOVAK
Distilling Apparatus, Pans, Kettles, Stills, Evaporators, Vacuum Pans, Milk Condensers and General Copper Work
BUFFALO FOUNDRY & MACHINE CO.
65 Winchester Avenue, Buffalo, N. Y.

Burroughs R. A. & Co., Norfolk, Va.
Columbia Heater Co., Paterson, N. J.
Cooper B & Son, 923 E Baltimore, Baltimore, Md.
Corcoran Matt & Co., Louisville, Ky.
DAHLQUIST MFG. CO., 40 W 3rd, South Boston, Mass.
See adv index at end of book
Emory P. P. Mfg. Co., 138 Spring, Springfield, Mass.
Engelhard Frank & Sons, 200 Franklin, Springfield, Mass.
Flynn Bros., Hoboken, N. J.
Flynn Wm. S., 76 Hudson, Jersey City, N. J.
Furman-Fisher Corp, 32 Church, New York
GERDES & CO., 42 Church, New York
See adv index at end of book

COPPERSMITHS
Copper and Brass Work
Expansion Joints--Coils
GERDES & CO., INC.
42 Church Street, New York City
(New York Office)

Gerstein Bros. & Cooper, 3 W 3d, S. Boston, Mass.
Griscom-Russell Co., 92 West, New York
See adv index at end of book
Harris Arthur & Co., 212 Curtis, Chicago, Ill.
Hensel E. R. Steel & Copper Co., 408 Pine, St. Louis, Mo.
Hicks S. D. & Son, 69 Commercial, Boston, Mass.
Hoffman-Ahlers Co., 828 E Pearl, Cincinnati, Ohio
Hubert Jno., 1714 Thames, Baltimore, Md.
Jeffers Wm., 77 Joy, Boston, Mass.
Kavanagh Jos. Co., Pratt & Central av, Baltimore, Md.
Kearney, P. H. & Sons, 1102 Clinton, Hoboken, N. J.
Kelker Blower Co. Inc., 2383 Fillmore av, Buffalo, N. Y.
See adv index at end of book
Keller George, 1051 Wyckoff av, Brooklyn, N. Y.
Kirsten Oscar, 45 Tehama, San Francisco, Cal.



DAHLQUIST
BUILDER OF
Copper-Boilers, Steam Jacket Kettles and Copper Expansion Joints
that meet every requirement and have proved BEST-BY-TEST
Our name and guarantee mean perfect protection and satisfaction to every user
DAHLQUIST MFG. CO., 40 West Third St., South Boston, Mass.



Kopperman Jos. & Sons, 807 Florist, Phila., Pa.
Krenz Oscar Copper & Brass Wks., Inc., 612 Bryant, San Francisco, Cal.
Langsenkamp F. H., 130 E Georgia, Indianapolis, Ind.
Liberty Coppersmithing Co. (For Sugar, Chemical & Shipping Industries), 1708 N Howard, Phila., Pa.
McMillan Metal Co., Savannah, Ga.
Manchester J. B. Co., 190 Eddy, Providence, R. I.
Maryland Coppersmith Co., 3831 Eastern av, Baltimore, Md.
Mills Thos. & Bro., Thompson & 8th, Phila., Pa.
Moriarty G. J., 28 Harvard, Boston, Mass.
Murphy & O'Brien, 5512 Detroit, Cleveland, O.
Northwestern Copper & Brass Works, 59 W 3rd, St. Paul, Minn.
Oat Jos. & Sons, 228 Quarry, Phila., Pa.
O'Donnell E. M. Copper Works, 253 Folsom, San Francisco, Cal.
Oregon Sheet Metal Works, Portland, Ore.
Ott Geo. F. Co., 213 Buttonwood, Phila., Pa.
Pacific Copper & Brass Works, 1915 E. 7th, Los Angeles, Cal.
Pacific Copper Wks., 85 Minna, San Francisco, Cal.
Petterson Edward, 231 South, New York
Phila. Coppersmithing Co., 808 N Front, Phila., Pa.
Philippine Refining Corp., 50 Broad, New York
Providence Coppersmithing Co., 511 Eddy, Providence, R. I.
Roos Aug. Sons, 429 E 91st, New York
Schaefer Copper Works Inc., 523 N. 22nd, Portland, Ore.
Seattle Copper Works, King & Railroad av, Seattle, Wash.
Seibel-Suessdorf Copper & Iron Mfg. Co., 3rd & Lombard, St. Louis, Mo.
Shaw Benj. F. Co., Wilmington, Del.
Smith C. W. Copper Wks., 16 Washington, San Francisco, Cal.
Stender Coppersmith Co. The, 2930 Smallman, Pittsburgh, Pa.
See adv index at end of book
Stokes F. J. Machine Co., 6138 Tabor, Phila., Pa.
Strater Herman & Sons, 74 Sudbury, Boston, Mass.
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.
Trageser Jno. Steam Copper Works, 447 W 26th, New York
Young Bros. Co., 6500H Mach. av, Detroit, Mich.
Walker James & Son, 315 Jefferson av. Detroit, Mich.
Watkins Jas. Y. & Son, 20 Catherine, N. Y.

3192a— Copra

Elbert & Co., 27 William, New York
Hartmann Pacific Co., Inc., (Imp.), 80 Wall, New York

Copying Apparatus

See Duplicators; also Presses, Copying

3193—Copying Press Sheets (Rubber)

Goodrich B. F. Co., Akron, O.

3194— Cord (Rubber)

Boston Belting Corp., 84 Linden Park st, Boston, Mass.
Boston Woven Hose & Rubber Co., Cambridge, Mass.
Cigol-Behrens Rubber Co., Lodi, N. J.
Cincinnati Rubber Mfg. Co., The, Norwood, Cincinnati, O.
See adv index at end of book
Davol Rubber Co., 69 Point, Providence, R. I.
Empire Tire & Rubber Corp., Trenton, N. J.
Goodrich B. F. Rubber Co., Akron, O.
Gutta Percha & Rubber Mfg. Co., 350 Madison av, New York
Manhattan Rubber Mfg. Co., Passaic, N. J.
Revere Rubber Co., Chelsea, Mass.
U. S. RUBBER CO., 1790 B'way, New York
See adv index at end of book
See also Cordage & Twine Mfrs.
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.

Cordage (Hemp)

See Twine, Hemp

3194a— Cordage Mfrs.

See also Cordage & Twine Mfrs.

Ajax Rope Co. Inc., 149 B'way, New York
Federal Rope Co., Morgan av & Ten Eyck, Brooklyn, N. Y.
NEW BEDFORD CORDAGE CO., 120 B'way, New York
Wall Rope Work Inc., 48 South, New York

3195— Cordage (Tarred)

Columbian Rope Co., 3050 Genesee, Auburn, N. Y.

3196—Cordage & Twine Mfrs.

See also Twine, Binder; also Rope, Various Kinds
See also Cordage Mfrs.

American Mfg. Co., West & Noble, Brooklyn, N. Y.
American Mills Co. ("American," "Fibreflax," "26 Karat," "Winner," "Flaxo Sail," "Amilsco," "Gold Medal," "Sun," "Silverin"), Atlanta, Ga.
Anniston Cordage Co. (Sash Cords, etc), Anniston, Ala.
Ashaway Line & Twine Mfg. Co. (Fish Lines & Cotton Seine Twines, etc), Ashaway, R. I.
Atkins & Pearce Mfg. Co. (Cotton), 5th & Eggleston av, Cincinnati, O.
Beaumont Mfg. Co., Spartanburg, S. C.
Beebe Cordage Co., Rockaway, N. J.
Bibb Mfg. Co. ("Torpedo," "Boss"), 234 E Main, Macon, Ga.
Boehme & Rauch Co. (Rope, Twine & Cordage), Monroe, Mich.
Broderick & Bascom Rope Co. (Jobbers in Cordage Only), 805 N. Main, St. Louis, Mo.
Brownell Co. (Cotton Seine Twine), Moodus, Conn.
California Cotton Mills Co. (Cotton Rope & Twine), Oakland, Cal.
CARPENTER GEO. B. & CO., 434 N Wells st, Chicago
See adv index at end of book
Cating Rope Works, Maspeth, N. Y.
Cayuga Linen & Cotton Mills, Auburn, N.Y.
Central Mills Co. (Cotton Twine), Southbridge, Mass.
Chelsea Fibre Mills (Flax, Jute, etc), 95 5th av, New York. Factory: Brooklyn, N. Y.
Cleveland Mill & Power Co. (Cotton Twine), Lawndale, N. C.
Cohankus Mfg. Co. (Cotton Rope, etc), Paducah, Ky.
Columbian Rope Co. (Oil Well & Tarred Cordage & Jute & American Hemp, Twine, etc), 3050 Genesee, Auburn, N. Y.
Consolidated Cordage Co., 252 Asylum, Hartford, Conn.
De Grauw, Aymar & Co., 34 South, New York
Dolphin Jute Mills (Jute, etc), Paterson, N. J.
Draper W. H. & Sons (Cotton Twine, etc), Troy, N. Y.
Eagle Cotton Mills Co., Madison, Ind.
Elder Jas. (Cotton Cordage), 230 W Coulter, Philadelphia, Pa.
Empire State Bag Co. (Flax & Jute), 760 Wythe av, Brooklyn, N. Y.
Estes Mills (Twine), Fall River, Mass.
Fibre Grand Co. (Cordage Spun from Paper), Grand Rapids, Mich.
Filter Fabrics Co., Salt Lake City, Utah
Fitler Edwin H. ("Fitler"), 517 Arch, Phila., Pa.
Franklin Cotton Mill Co., Plum & Charles, Cincinnati, O.
Fulton Bag & Cotton Mills, "Eagle Sail" Cotton Twine, etc.), Atlanta, Ga.
Gloucester Net & Twine Co. (Cotton Twine), Gloucester, Mass.
Groendyke J. C. Co., 608 S Dearborn, Chicago, Ill.
Hanover Cordage Co., Hanover, Pa.
Highland Cordage Co., Hickory, N. C.
Hoffman-Corr Mfg. Co., 312 Market, Phila., Pa.
Hooper Sons Mfg. Co. (Cotton), Juniper & Cherry, Phila., Pa.
Hooven & Allison Co. (Manilla, Sisal, Hemp & Junte, Baling, Wrapping, Sail, Commercial, etc), Xenia, O.
Humboldt Cotton Mills (Cotton), Humboldt, Tenn.
Iden Wm. A. Co. (Dirs.), 564 Washington blvd, Chicago, Ill.
Indianapolis Cordage Co., 1959 S Meridian, Indianapolis, Ind.
Jackson Thos. & Son Co. (Manila, Sisal & Jute Rope, Cordage & Twine), Reading, Pa.
January & Wood Co., Maysville, Ky.
Kelly R. A. Co. (Sisal, Manila & New Zealand), Xenia, O.
Kentucky River Mills (Hemp Binder & Commercial Twines), Frankfort, Ky.
Knox W. & J. Net & Twine Co. (Twine), Johnson & Barney, Baltimore, Md.
Lawrence Duck Co. (Cotton Twine), Lawrence, Mass.
Lees Mfg. Co. (Cotton), Westport, Conn.
MacGowen & Finigan, Whse., E, St. Louis, Mo.
Mallison Braided Cord Co. (Cotton), Athens, Ga.
Meagher's Jas. Sons (Jute or Flax Cordage), 1625 San Bruno, San Francisco, Cal.
Montgomery Cordage Co., Montgomery, Ala.
Neptune Twine & Cord Mills, Moodus, Conn.
New Bedford Cordage Co., 120 B'way, New York Mills, New Bedford, Mass.
New York Net & Twine Co., Moodus, Conn.
Oakdale Cotton Mills (Cotton), Jamestown, N. C.
Peoria Cordage Co., Peoria, Ill.
Peter & Guckenberger, 1205 Budd, Cincinnati, O.
Pioneer Cotton Mills (Cotton), Guthrie, Okla.
Plymouth Cordage Co. (Hard Fibre Twine), North Plymouth, Mass.
Portland Cordage Co. (Manila & Sisal), 494 Northrup, Portland, Ore.
Puritan Cordage Mills (Cotton Rope, etc), Louisville, Ky.
Purple A. E. (Cotton Seine Twine), Moodus, Conn.
Quaker City Cordage Co., 202 Walnut pl, Phila., Pa.
Radcliffe & Shaw Co. (Jute Twine & Rope), Glen Rock, Pa.
Rauschenberger John Co. (Flax, Hemp, Jute, Hair, etc), 87 W Water, Milwaukee, Wis.
Rinek Cordage Co. (Cordage Only), Easton, Pa.
St. Louis Cordage Mills ("American" & "Trojan"), 1715 S 11th, St. Louis, Mo.
Samson Cordage Works ("Samson"), 88 Broad, Boston, Mass.
Schermerhorn Bros. Co., 5 N La Salle, Chicago, Ill.
Schlichter Jute Cordage Co. (Jute), 20 N Front, Phila., Pa.
Semple Mfg. Co., Inc. (Cotton), Louisville, Ky.
Silver Lake Co. ("Silver Lake," "Eddystone," "Wearwell," Braided Cordage, etc), Newtonville, Mass.
Smith & Dove Mfg. Co. (Flax Twine), Andover, Mass.
Southern Mills Corp. (Cotton Cordage), Oxford, Ala.
Tallassee Falls Mfg. Co. (Cotton), Tallassee, Ala.
Titler Edwin H. ("Titler"), 517 Arch, Phila., Pa.
Travers Twine & Cordage Co., 81 Warren, New York
Tribble Cordage Mills, Inc., 59 Temple pl, Boston, Mass.
Tubbs Cordage Co., Kohl bldg, San Francisco, Cal.
Uhler & English, 106 N Delaware, Phila., Pa.
UNION PAPER & TWINE CO., 128 St. Clair av N. W., Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book
Wall Rope Works, Inc. (Cordage Only), 48 South, New York
Westport Mfg. Co. (Cotton Wrapping Twine), Westport, Mass.
Whitlock Cordage Co. ("Whitlock"), 46 South, New York
Winne F. W. & Son Inc., 42 N Front, Phila., Pa.
Wortendyke Mfg. Co., ft. 13th, Richmond, Va.
Yocona Mills (Cotton), Water Valley, Miss.
Young John B. (Cotton), J & Levick, Phila., Pa.

3196a— Cordeau Bickford

DU PONT E. I. DE NEMOURS & CO., INC., Explosives & Smokeless Powder Depts., (See Adv. at Explosives), Wilmington, Del.
See adv index at end of book
Giant Powder Co., Cons., San Francisco, Cal.

Cords (Arc Lamp)

See Cords, Trolley, Arc Lamp & Bell

3197-8—Cords (Cable, Cotton)

American Mfg. Co., Noble & West, Brooklyn, N. Y.
Auburn Converting Co. ("Acco"), 185 Clark, Auburn, N. Y.
Bibb Mfg. Co., Macon, Ga.
Brownell Co., Moodus, Conn.
Cable Flax Mills, Schaghticoke, N. Y.
Chaffee Mfg. Co., Willimantic, Conn.
Cleveland Mill & Power Co., Lawndale, N. C.
Dexter Yarn Co., Pawtucket, R. I.
Hoffman-Corr Mfg. Co., 312 Market, Phila., Pa.
Hooper Sons Mfg. Co., Juniper & Cherry, Phila., Pa.
Indian Orchard Co., Indian Orchard, Mass.
International Braid Co., 47 Charles, Providence R. I.
Johnston & Co., 12 Walker, New York
Jonesboro Yarns Mills Co., Jonesboro, Tenn.
Lees Mfg. Co., Westport, Conn.
Neptune Twine & Cord Mills, Moodus, Conn.
New York Net & Twine Co., Moodus, Conn.
Nims Mfg. Co. (Also Button Hole), Mt. Holly, N. C.
Oakdale Cotton Mills, Jamestown, N. C.
Oxford Cotton Mills, Oxford, N. C.
Purple A. E., Moodus, Conn.
Southern Mills Corp., Oxford, Ala.
Turner & Stanton Co., Norwich, Conn.
Unity Cotton Mills, La Grange, Ga.
Yocona Mills, Water Valley, Miss.

3199— Cords (Flexible)

See also Wire, Insulated

A. A. Wire Co., 48 Nesbitt, Newark, N. J.
Am. Electrical Heater Co., Burroughs & Woodward av, Detroit, Mich.
AMERICAN STEEL & WIRE CO. (Steel Wire), 208 S La Salle, Chicago, Ill.
See adv index at end of book

(Continued on following page)

Cords (Flexible)—Continued

Belden Mfg. Co. ("Beldenite"), 2316 S Western av, Chicago, Ill.
Bishop Gutta-Percha Co., 420 E 25th, New York
Boston Insulated Wire & Cable Co. ("B. I. W."), 65 Bay, Boston, Mass.
Breeze Metal Hose & Mfg. Co. ("Fle-X-Met"), 250 South, Newark, N. J.
Chicago Insulated Wire & Mfg. Co., Sycamore, Ill.
Collyer-Insulated Wire Co. (Heater), Pawtucket, R. I.
Crescent Insulated Wire & Cable Co., Trenton, N. J.
D. & W. Fuse Co., Hathaway, Providence, R. I.
Detroit Insulated Wire Co., Wesson & Albert, Detroit, Mich.
DRIVER-HARRIS CO. (Veriflex Heater, and to Specifications), Harrison, N. J.
See adv index at end of book

HEATER CORD
Veriflex, and to specifications, for electrical heating appliances
DRIVER-HARRIS CO.
Harrison, N. J.
562 West Randolph St., Chicago, Ill.
General Motors Bldg. Detroit, Mich.

General Asbestos & Rubber Co. ("Garco" Heater), Charleston, S. C.
GENERAL ELECTRIC CO. (Lamp, etc), Schenectady, N. Y.
See adv index at end of book
Goodyear Rubber Insulating Co., 105 E 131st, New York
Habirshaw Electric Cable Co., 10 E 43d, New York
Independent Lamp & Wire Co., 1733 B'way, New York
Indiana Rubber & Insulated Wire Co., P O Box 192, Jonesboro, Ind.
Kerite Insulated Wire & Cable Co. (Kerite), 30 Church, New York
Lowell Insulated Wire Co., Lowell, Mass.
McEvoy Chas. H. ("Duro"), Lowell, Mass.
Magnus Electric Co., Inc. ("Magnus"), 451 Greenwich, New York
Marion Insulated Wire & Rubber Mfrs., Marion, Ind.
Monarch Electric & Wire Co. ("Monarch"), 622 W Adams, Chicago, Ill.
Morse Frank W., 289 Congress, Boston, Mass. *See adv index at end of book*
National India Rubber Co., Bristol, R. I.
Okonite Co., Passaic, N. J.
Phila. Insulated Wire Co., 200 N 3rd, Phila., Pa.
Premier Electric Co., 1123 S Wabash av, Chicago, Ill.
Rockbestos Products Corp. ("Rockbestos" Heater), P. O. Box 1102, New Haven, Conn.
Rome Wire Co. ("Super-Service"), Rome, N. Y. *See adv index at end of book*
Runzel-Lenz Electric Mfg. Co., 1751 N Western av, Chicago, Ill.
Safety Insulated Wire & Cable Co., 114 Liberty, New York
Simplex Electric Heating Co., Cambridge, Mass.
Standard Underground Cable Co., 17th & Pike, Pittsburgh, Pa.
United States Rubber Co., 1790 B'way, New York *See adv index at end of book*
Western Electric Co., 463 West, New York

Cords (Heater)

See Cords (Flexible)

Cords (Incandescent Lamp)

See Cords, Flexible, Lamp, etc.

Cords (Lamp)

See Cords (Flexible)

3200—Cords (Leather, Bell or Register)

Carmichael David ("Pear"), Sacramento, Cal.
Chicago Rawhide Mfg. Co., 1301 Elston av, Chicago, Ill.
Jewell Belting Co., Hartford, Conn.
Ladew Edw. R. Co., 29 Murray, New York
National Leather Mfg. Co. (Surface & Oak, Tan, Flat & Round), Niles, Mich.
Page Belting Co., Concord, N. H.
Raniville F. Co., Grand Rapids, Mich.
Rhoads J. E. & Sons, 57 N 2d, Phila., Pa.
Wallace Supplies Mfg. Co., 1312 Diversey pkway, Chicago, Ill.
Western Rawhide & Belting Co., 917 Winnebago, Milwaukee, Wis.
Williams I. B. & Sons, Dover, N. H.

Cords (Picture, Braided)

See Cords, Sash

3201—Cords (Picture, Wire)

Draper W. H. & Sons, Troy, N. Y.
Hendryx A. B. Co. ("Hendryx"), 36 Audobon, New Haven, Conn.
See adv index at end of book

"HENDRYX"
STANDARD PICTURE CORD
of tinned or brass wire
is put up only in full length and full count packages of
25 *feet or* 25 *yards.*
THE ANDREW B. HENDRYX COMPANY
New Haven, Conn.

Parker Wire Goods Co. (Braided & Twisted Wire), Worcester, Mass.
Tate E. H. Mop & Cordage Co. ("Best Quality"), 67H Sudbury, Boston, Mass.
Turner & Stanton Co., Norwich, Conn.
Wickwire Spencer Steel Corp. ("Excelsior Brand" Braided Wire), 41 E 42nd, New York *See adv index at end of book*
Washburn Co. (Wire Goods Div.) (Braided), 28 Union, Worcester, Mass.

3202— Cords (Sash)

American Mfg. Co. (Hemp), Noble & West, Brooklyn, N. Y.
Anniston Cordage Co. (Braided), Anniston, Ala.
Beebe Cordage Co., Rockaway, N. J.
California Cotton Mills Co. (Braided Cotton), Oakland, Cal.
Carpenter Geo. B. & Co., 434 N Wells st, Chicago
Cohankus Mfg. Co. ("Braided"), Paducah, Ky.
Draper W. H. & Sons (Twisted Cotton), Troy, N. Y.
Estes Mills ("Alba," "Star"), Fall River, Mass.
Franklin Cotton Mill Co., Plum & Charles, Cincinnati, O.
Granite Cordage Co. (Braided), Granite Falls, N. C.
Hodson John M., Boone & Markle, Phila., Pa.
Hoffman-Corr Mfg. Co., 312 Market, Phila., Pa.
Hooper Sons Mfg. Co. (Braided), Juniper & Cherry, Phila., Pa.
Hooper Wm. E. & Sons ("Sterling" "Jamaica" Braided), 3502 Parkdale av, Baltimore, Md.
Hooven & Allison Co., Xenia, O.
Kelley Hy C. Co., 35-37-39 Worth, New York
Mallison Braided Cord Co. (Braided), Athens, Ga.
Peter & Guckenberger, 1205 Budd, Cincinnati, O.
Puritan Cordage Mills ("Regal Braid," Blue Strand), Louisville, Ky.
Samson Cordage Works ("Samson Spot" Braided, etc.), 88 Broad, Boston, Mass.
Schlichter Jute Cordage Co. (Jute), 20 N Front, Phila., Pa.
Silver Lake Co. ("Silver Lake," "Eddystone" Braided, etc), Newtonville, Mass.
Southern Mills Corp. (Braided), Oxford, Ala.
Toohey M. J. & Co., Fall River, Mass.
Travers Twine & Cordage Co., 81 Warren, New York
Tribble Cordage Mills, Inc. (Braided), 59 Temple pl, Boston, Mass.
Tubbs Cordage Co., Kohl bldg, San Francisco, Cal.
Whittier Mills Co. ("U. S." Cotton Braided), Chattahooche, Ga.

3203—Cords (Telephone & Switchboard)

See also Wire, Insulated

American Electrical Works, Phillipsdale, R. I.
Belden Mfg. Co., 2316 S Western av, Chicago, Ill.
Kellogg Switchboard & Supply Co., 1066 W Adams, Chicago, Ill.
McEvoy Chas. H. ("Duro"), Lowell, Mass.
Manhattan Electrical Supply Co., 17 Park pl, New York
Phila. Insulated Wire Co., 200 N 3rd, Phila., Pa.
Premier Electric Co., 1123 S Wabash av, Chicago, Ill.
ROEBLING'S JOHN A. SONS CO., Main Office, Trenton, N. J. Works: Trenton, & Roebling, N. J.
See adv index at end of book
STROMBERG - CARLSON TELEPHONE MFG. CO., 1050 University av, Rochester, N. Y.
Western Electric Co., 463 West, New York
Western Electric Co., Chicago, Ill.

3204—Cords (Tinsel & Copper)

Belden Mfg. Co. (Conductor), 2216 S. Western av, Chicago, Ill.
Binns Patent Band Co. (Tinsel), 1842 Gtn. av, Phila., Pa.
Hy-Sil Mfg. Co. ("A. A. 1"), Tinsel Cord & Ribbon)
Phila. Insulated Wire Co., 200 N 3rd, Phila., Pa.
Premier Electric Co., 1123 Wabash av, Chicago, Ill.
Western Electric Co., 463 West, New York

3205—Cords (Trolley, Arc Lamp & Bell)

Cohankus Mfg. Co., Paducah, Ky.
Columbian Rope Co., 3050H Genessee, Auburn, N. Y.
Hoffman-Corr Mfg. Co., 312 Market, Phila., Pa.
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
Mallison Braided Cord Co., Athens, Ga.
Runzel-Lenz Electric Mfg. Co., 1751 N
Samson Cordage Works, 88 Broad, Boston, Mass.
Silver Lake Co. ("Silver Lake," "Wearwell," Braided), Newtonville, Mass.
Southern Mills Corp. (Braided), Oxford, Ala.
Taylor Iron Wks. & Supplies Co., 104 B'way, Macon, Ga.
Whittier Mills Co. ("U. S. Spiral Waterproof"), Chattahoochee, Ga.

3205a—*Core Flour Substitute

Hill & Griffith Co., ("Liberty"), 1248 State av, Cincinnati, O., & Birmingham, Ala.; Chicago, Ill.
See adv index at end of book

3206— Core Prints (Wood)

Jessup Stephen C. Pattern Wks., Salem, O.

3207—Core Room Equipment

Dopp J. W. & Co. (Dealers), 18 W. Columbia, Detroit, Mich.
Holcroft & Co., Book bldg, Detroit, Mich.

3208—Core Testing Apparatus

Wadsworth Core Machine & Equipment Co., 10 W Buchtel, Akron, O.

Core Wash

See Compounds, Core

3209— Corers (Cabbage)

See also Corers, Fruit & Vegetable

Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Osborne C. S. Co., Box 183, Newark, N. J.
See adv index at end of book
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Stortz John & Son, 210 Vine, Phila., Pa.

3210—Corers (Fruit & Vegetable)

Browne W. G. Mfg. Co., Kingston, N. Y.
Central Stamping Co. ("Puritan" Apple), 206 B'way, New York
Forsyth Metal Goods Co., E Aurora, N. Y.
Goodell Co. (Fruit Parers, Slicers, etc.), Antrim, N. H.
Hamblin & Russell Mfg. Co. (Fruit), Worcester, Mass.
Houchin Thos. W. Co., 393 B'way, New York
Hudson Parer Co. (Fruit), Leominster, Mass.
Johnson Wm. (Hedenberg Works), Newark, N. J.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Landers, Frary & Clark ("Rapid"), New Britain, Conn.
Lewis E. J. (Pineapple), Middleport, N. Y.
National Enameling & Stamping Co. ("Gem" Apple), 411 5th av, New York
Parker Wire Goods Co. (Apple), Worcester, Mass.
Rollman Mfg. Co., Ltd. ("Rollman" Apple), Mount Joy, Pa.
White Ira F. & Son Co. (Apple Corer & Parer), Bloomfield, N. J.

3211—Cores (Armature & Magnet)

Bunnell J. H. & Co., 32 Park pl, New York
Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
Cleveland Armature Works, Inc., 4736 St. Clair av, Cleveland, O.
Hartford Machine Screw Co., Hartford, Conn.
Western Electric Co., 463 West, New York
WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa.
See adv index at end of book

3212—*Cores (Button, Platen, Tassel, Etc.)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*

3213—Cores (Electric Furnace)

Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Norton Co. ("Norton," Alundum), 25 Barbers Cross, Worcester, Mass.

3213a— Cores (Paper)

Elixman Paper Core Co., Inc. (Steel Capped Compressed), Corinth, N. Y.
Nashua Spool & Bobbin Co. (& Wooden for paper mills), Haverhill National Bank bldg, Haverhill, Mass.

3213b—*Cores (Pressed Steel)

Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book

3214—Cores (Rubber Tire Building)

Adamson Machine Co., Akron, O.
See adv index at end of book
Akron Gear & Engng. Co., 54 E South, Akron, O.
Akron Rubber Mold & Machine Co., Akron, Ohio
Banner Machine Co., Columbiana, Ohio.
Bridgewater Machine Co., Akron, O.
Elyria Machine Co,, Elyria, O.
Goodyear Tire & Rubber Co., Akron, O.
King Tire & Rubber Co., Foothill blvd & Stanley rd, Oakland, Cal.
Mechanical Mold & Machine Co., Akron, O.
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, O.
Williams Foundry & Machine Co. ("Simplex"), Akron, O.
See adv index at end of book

Akron-Williams "Simplex" collapsible and solid cores have gained their reputation on quality and efficient use in tire production. Write for catalog of tire and rubber vulcanizing machinery.

THE WILLIAMS FOUNDRY & MACHINE CO.,
Akron, Ohio, U. S. A.

3214a—Cores (Speedometer & Taximeter)

Stow Mfg. Co., Binghampton, N. Y.
See adv index at end of book

3215— Cork Carpets

See also Linoleum Mfrs
American Linoleum Mfg. Co. (In Five Colors), 230 5th av, New York
Armstrong Cork Co., Dept. H, 24th & A. V. R. R., Pittsburgh, Pa.
Blabon Geo. W. Co., Nicetown, Phila., Pa.
Congoleum Co., Morris bldg, Phila., Pa.
Nairn Linoleum Co., Kearny, N. J.
Scott & West Co. ("Corkoline"), 9 E 40th, New York

3216— Cork Chips

Armstrong Cork & Insulation Co., 24th & A. V. R. R., Pittsburgh, Pa.

Cork (Granulated, for Insulation)

See Insulation, Cork

3217— Cork (Ground)

Armstrong Cork & Insulation Co., 24th & A. V. R. R., Pittsburgh, Pa.

3218— Cork Mfrs.

American Cork Co., 16 Blackstone, Boston, Mass.
Armstrong Cork & Insulation Co., 24th & A. V. R. R., Pittsburgh, Pa.
Banar Cork Co., 119-121 Water, Pittsburgh, Pa.
Biertuempfel Bros. Cork Co., 37 Av L, Newark, N. J.
Brauer Justus & Son, 108 Arch, Phila, Pa.
Century Cork Co., 220 W 19th, New York
Chicago Cork Wks. Co. (Also Importers), 1243 S Wabash av, Chicago, Ill.
Farrell Francisco Llado & Co., Haw Tree Creek Road, Woodhaven, N. Y.
Farrell W. J., 78 Broad, New York
Illinois Glass Co. ("Diamond I"), Dept. H, Alton, Ill.
Independent Cork Co., 574-576 Hamilton av, B'klyn, N. Y.
International Cork Co., 99 Sutton, Brooklyn, N. Y.
Lancaster Cork Works, Lancaster, Pa.
McCready R. W. Cork Co., 344 W Illinois, Chicago, Ill.
Milton Cork Co., 42 Wilson, B'klyn, N. Y.
Mir Codina & Marques, 592 Montgomery, Jersey City, N. J.
Mundet L. & Sons, Ferris, Brooklyn, N. Y.
Newark Cork Products Co., 26 Franklin av, Newark, N. J.
New Process Cork Co., 68 35th, Brooklyn, N. Y.
Paddock Cork Co., 1209 De Kalb av, Brooklyn, N. Y.
Paddock J. H. Co., 219 36th, Brooklyn, N. Y.
Redlich Mfg. Co., 637-647 W Oak, Chicago, Ill.
Sergeant E. M. Co. (Cork Wood Imps.), 131 Cedar, New York
Truslow & Fulle, 42 Wilson, Brooklyn, N. Y.
Wildman-Treherne Co., Importers (Druggists), 85 Franklin, New York
Williamsburg Cork Works, 50 Church, New York

3219—Cork Preparing Outfits

U. S. Bottlers' Machinery Co. ("Simplex"), 4017 N Rockwell, Chicago, Ill.

3220— Cork (Scouring)

Paddock Cork Co. ("Eureka" Cork Felt), 1209 De Kalb av, Brooklyn, N. Y.

3221— Cork Screws

Arcade Mfg. Co., Freeport, Ill.
Browne W. G. Mfg. Co., Kingston, N. Y.
Browne & Dowd Mfg. Co., Meriden, Conn.
Dawson J. R. Mfg. Co., Fairhill Sta., Phila., Pa.
Deuse J. S., Chester, Conn.
Graef & Schmidt (Imported), 107 Chambers, N. Y.
Havell Mfg. Co., 284 Washington, Newark, N. J.
Landers Frary & Clark (Cast Steel), New Britain, Conn.
Meriden Cutlery Co. ("Anvil"), Meriden, Conn.
Parker Chas. Co. (Also Pullers), Dept. H, Meriden, Conn.
Rockwell Clough Co., Alton, N. H.
Ross Jos. & Co., Irvington, N. J.
Taylor Mfg. Co., 18 Asylum, Hartford, Conn.
Vaughan Novelty Mfg. Co. ("Dainty" Folding), 711 Fulton, Chicago, Ill.
Wallace R. & Sons Mfg. Co., Wallingford, Conn.
Williamson C. T. Wire Novelty Co. ("Williamson" Self-Acting Combination, also Small Wire Cork Screws), Badger av, Newark, N. J.

3222— Corks (Crown)

Bond Mfg. Co. ("Bond Crown"), Wilmington, Del.
Crown Cork & Seal Co., 1511 Guilford av, Baltimore, Md.
Farrell W. J., 78 Broad, New York
Frankel Max Co., 208 Pearl, New York
Gutmann Ferdinand Co., 134 W 29th, New York
Mundet L. & Sons, Ferris, Brooklyn, N. Y.
New Process Cork Co., 68 35th, Brooklyn, N. Y.
Sterling Cork & Seal Co., Hawthorne, Toledo, O.
U. S. Bottle Stopper Co., Haw Tree Creek Road, Woodhaven, N. Y.
Western Stopper Co., 2800 20th, San Francisco, Cal.

3222a— Corks (Jug)

Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

Corks (Rubber)

See Stopples, Rubber

3223— Corks (Seine & Gill)

Armstrong Cork & Insulation Co., 24th & A. V. R. R., Pittsburgh, Pa.
U. S. Hdwe & Mfg. Co., 16H Warren av, Pawtucket, R. I.

3224— Corks (Wood)

Bogert & Hopper, Inc. (Fishing, Jug & Seine), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons (Fishing Jug, Seine, etc), 364 5th av, New York
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

3225— Corkwood Importers

Armstrong Cork & Insulation Co., 24th & A. V. R. R., Pittsburgh, Pa.
Bucknall Scholtz & Co. (Corkwaste), 193 Water, New York
Crownshield Trading Corp., 50 Church, New York
Farrell Francisco Llado & Co., Haw Tree Creek Road, Woodhaven, N. Y.
Independent Cork Co., 574-576 Hamilton av, cor 17th, Brooklyn, N. Y.
Paddock J. H. Co., 219 36th, Brooklyn, N. Y.
Sergeant E. M. Co., 131 Cedar, New York
Truslow & Fulle, 42 Wilson, Brooklyn, N. Y.

3226—Corn Binders & Harvesters

Humphrys' R. A. Sons (Grain Binder Covers), 1026 Callowhill, Phila., Pa.
See adv index at end of book
International Harvester Company of America (Inc.) ("Deering," "McCormack," "Milwaukee"), Harvester bldg, Chicago, Ill.

3227— Corn (Broom)

American Broom Supply Co., St. Louis, Mo.
American Broom & Brush Co., Amsterdam, N. Y.
American Warehouse Co., Wichita, Kan.
Arkell & Smiths, Canajoharie, N. Y.
Boggs Broom Corn Co., 1206 N Main, St. Louis, Mo.
Bolin-Hall Grain Co., Hutchinson, Kan.
Central States Broom Corn Co., 1541 W **6th, Cincinnati, Ohio**
Coyne Bros., 119H W South Water, Chicago, Ill.
Danner J., Humboldt, Ill.
Dickey Robert & Co., 25th & A. V. R. R., Pittsburgh, Pa.
Ginns H. L. Broom Corn Co., Wichita, Kans.
Griffin Geo. B. & C. M., Charleston, Ill.
Grimith E. S., 749H Washington, Minneapolis, Minn.
Gurley A. L. & Co., Clovis, N. Mex.
Harryman Geo. & Bros., Dept. H, Spring & Fleet, Baltimore, Md.
Harryman R. & H., Wichita, Kans.
Hockett J. A. & Co., Wichita, Kan.
Ingle Bros. Broom Corn Grain & Supply Co., H North, 17th & Charlotte, Kansas City, Mo.
Kavanagh Bros. & Co., 1234 W Kinzie, **Chicago, Ill.**
Lande S. & Co., 160 W Kinzie, Chicago, Ill.
Lyons Thos. & Co., Arcola, Ill.
Miller Grant Broom Corn Co., 128H N Mosley av, Wichita, Kans.
Miller S. R., Dept. H, Wichita, Kans.
New England Broom & Supply Co., 191 Forest Hills, Boston, Mass.
Oklahoma Broom Corn Warehouses, Lincoln, Neb.
Panhandle Warehouse Co., 520H Commerce, Wichita, Kans.
Perry D. S. & Co., Urbana, O.
Phillips & Johnson, Mattoon, Ill.
Reynolds J. O. & Co., Dept. H, Mattoon, Ill.
Roseboom J. A. & Co., Mattoon, Ill.
Roseboom W. L. & Co., 3544 S Morgan, Chicago, Ill.
St. Louis Broom Supply Co., 206H N 1st, St. Louis, Mo.
Tarbox Broom Corn Co., Arcola, Ill.
Weymer Warehouse Co., Dept. H, Cedar Rapids, Ia.

3228— Corn Cookers & Fillers

Morral Bros., Morral, O.
Sprague-Sells Corp., 508 N Dearborn, Chicago

3229— Corn Cribs (Steel)

AMERICAN STEEL & WIRE CO. ("American," Galvanized Woven Wire), 208 S La Salle, Chicago, Ill.
See adv index at end of book
Bayley Wm. Co. ("Bayley," "Springfield" Steel), Springfield, O.
Butler Mfg. Co. ("B. M. C.," "Butler Combination"), 1228 Eastern av, Kansas City, Mo.
Clippinger A. B. & Son Mfg. Co. ("Clippinger"), Kansas City, Kan.
Denning Tractor Co. (Portable), Cedar **Rapids, Ia.**
Dixie Culvert & Metal Co. (Corrugated), Atlanta, Ga.
Dickelman Mfg. Co., Forest, O.
Fleming & Sons Mfg. Co., Huntsville, Mo.
Harry O. K. Steel Co. ("O. K. Harry"), 2333 Papin, St. Louis, Mo.
Hastings Equity Grain Bin Mfg. Co., Hastings, Neb.
Iron Crib & Bin Co. ("Marshall," "Freeland" Galvanized Steel), Wooster, O.
Keystone Steel & Wire Co. (Portable), Peoria, Ill.
Martin Steel Products Co. ("Corn Saver"), Mansfield, O.
Meadows Mfg. Co., Bloomington, Ill.
Northfield Iron Co., Northfield, Minn.
Pioneer Mfg. Co. ("Pioneer" Galvanized Steel), Middlebury, Ind.
Schoedinger F. C., 346 Mt. Vernon av, Columbus, O.

3230— Corn Knives

Celluloid Co., 36 Washington pl, New York
Fiberloid Corp., Dept. H., Indian Orchard, Mass.
Ohlen-Bishop Co., 931 Factory, Columbus, O.

Corn Machines

See Machinery

Corn Planters & Drills

See Planters, Corn; Also Drills, Cotton Planting

3231—Corner, Base & Head Block Mfrs.

American Sash & Door Co. (Wholesale Mfrs.), 16th & Bellefontaine, Kansas City, Mo.
Carr & Baal Co., Des Moines, Ia.
Carr, Ryder & Adams Co. (Wholesale Mfrs.), Dubuque, Ia.
Carter Mfg. Co., Keokuk, Ia.
Chicago Millwork Supply Co. (For the Trade Only), 1404 W 37th, Chicago, Ill.
Curtis & Yale Co. (Wholesale Mfrs.), Wausau, Wis.
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Gauger Jno. A. & Co. (For the Trade Only), 1434 W 22d, Chicago, Ill.
Gordon, Vantine Co., Davenport, Ia.
Gould Mfg. Co. (For the Trade Only), Oshkosh, Wis.
Grand Rapids Lumber Co. (For the Trade Only), Grand Rapids, Mich.
Hutting Mill Wks. Co. (Wholesale Mfrs.), Kansas City, Mo.
McMillen R. Co. (For the Trade Only), Oshkosh, Wis.

(Continued on following page)

Corner, Base & Head Block Mfrs.—Continued

Morgan Sash & Door Co., 2287 Blue Island av, Chicago, Ill.
Paine Lumber Co. (Ltd.) (For the Trade Only), Oshkosh, Wis.
Roberts Sash & Door Co. (For the Trade Only), 920 W 20th, Chicago, Ill.
Rock Island Sash & Door Works (Wholesale Mfrs.), Rock Island, Ill.
Waddell Mfg. Co. Grand Rapids, Mich.
Zimmerman Chas. E., 204 Burnet av, Syracuse, N. Y.

Corner Beads (Plastering)

See Plasterers' Steel Corner Beads

3232—Corner Brace & Couplings

Griffin Mfg. Co., Erie, Pa.

Corner Irons

See Irons & Braces (Corner)

3233— Corners (Box)

Brainerd Mfg. Co. (Also Chest), East Rochester, N. Y.
Brass Goods Mfg. Co. (Also Chest), 345 Eldert, Brooklyn, N. Y.
CARY MFG. CO., Nassau & Jay, Brooklyn, N. Y. *See adv index at end of book*
Dent Hardware Co., Fullerton, Pa.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Griffin Mfg. Co., Erie, Pa.
Hercules Metal Corner Co., Kingston, N. Y.
Jenkinson R. C. & Co., 293 Washington, Newark, N. J.
Ludwig A. & Co., 75 Spring, New York
Richmond Pressed Metal Wks. (Trunk), Stockton & 6th, Richmond, Va.

3234— Corners (Casket)

Waddell Mfg. Co., Grand Rapids, Mich.

3235—Corners (Metal Building)

EDWARDS MFG. Co., Cincinnati, O. *See adv index at end of book*
Kees F. D. Mfg. Co. ("Kees"), Beatrice, Neb.
Milwaukee Corrugating Co. ("Milcor"), Milwaukee, Wis.
Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, O. *See adv index at end of book*
Reeves Mfg. Co., Dover, O.
Shrauger & Johnson ("Chief"), Atlantic, Ia.

3236— Corners (Partition)

Western Brass Mfg. Works (Iron or Brass), Marshall blvd & W 21st, Chicago, Ill.

3237—Corners (Screen Frame)

Acklin Stamping Co., 1659 Dorr, Toledo, O.
Bingham Stamping & Tool Co., Post & Albion, Toledo, O. *See adv index at end of book*
Quadriga Mfg. Co. (Galvanized Brass & Copper), 213 W Grand av, Chicago, Ill. *See adv index at end of book*
Western Improvement Co. (& Moulding), Minot, N. D.

3238— Corners (Table)

Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
St. Louis Hardware Mfg. Co., 1509 W 18th, St. Louis, Mo.
Weber-Knapp Co. (For Card Tables, etc), Jamestown, N. Y.

Corners (Trunk)

See Corners, Box

3239— Cornice Brakes

Bay Engineering Co., 329 Jefferson, Oakland, Cal.
Double Truss Cornice Brake Co., 33 Chandler, Buffalo, N. Y.
DREIS & KRUMP MFG. CO. ("Chicago"), 7420 S Loomis st, Chicago, Ill. *See adv index at end of book*
Excelsior Tool & Machine Co., 32d & Ridge, E St. Louis, Ill.
Falstrom & Tornquist Co., Passaic, N. J.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Loy & Naurath Co., 25 Runyon, Newark, N. J.
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
Ohl Geo. A. & Co. (Automatic Power, etc), 159 Oraton, Newark, N. J.
Robinson J. M. Mfg. Co. (Improved Double Eccentric), 3232 Spring Grove av, Cincinnati, O.
Ryerson Jos. T. & Son, Inc. (Hand & Geared Power), 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Streine Tool & Mfg. Co. ("Streine"), New Bremen, O.

Cornice Copper Mfrs.

See Copper & Brass Sheet

3240— Cornices & Skylights

ALABAMA.

ANNISTON—Interstate Roofing & Foundry Co.
BIRMINGHAM—Wheelock George F. Co.
DECATUR—Brown W. A. & Co.
MOBILE—Mobile Roofing & Cornice Co.
NEW DECATUR—Decatur Cornice & Roofing Co. ("Titelock").
OPELIKA—Galbraith W. A.
TALLADEGA—Michael Supply & Roofing Co.

ARIZONA.

PHOENIX—Burtis D. H.
TUCSON—Julian W. A. Co.

ARKANSAS.

FORT SMITH—Bruce Bros.
HELENA—Helena Job Works
LITTLE ROCK—Fones Bros. Hardware Co.
McCardell R. W.
PINE BLUFF—Fox Bros. Hardware Co.

CALIFORNIA.

BAKERSFIELD—Bakersfield Sheet Metal Works, 1807 L
Bollinger J. D.
BERKELEY—Mork Walter, Hearst & San Pablo av
COLTON—Johnson M. M.
FRESNO—Barrett-Hicks Co.
Fresno Sheet Metal & Roofing Co.
New England Sheet Metal Works, 311 B'way
Standard Sheet Metal Works
GLENDALE—Glendale Sheet Metal Wks., 733 S San Fernando rd
Rief H. A.
LONG BEACH—Edmond & Pitchie, 1113 W Broadway
LOS ANGELES—American Cornice Works, 966 E 4th
Atlas Cornice Works, 1688 W Washington
Brown Emil & Co., 300 E 9th
California Cornice Works
Edwards N. M.
Gibbs Wm. H., 2948 W Pico
Hollywood Cornice & Heating Co., 1258 Hollywood blvd, Los Angeles, Cal.
Independent Cornice & Furnace Works, 1951 S Los Angeles
National Cornice Wks, 1327 Channing
Pulfer L. E., 1222 W 25th
Rosen J. Cornice Works, 1460 Central av
Strangman Chas. J. Co., 137 Rose
United Cornice Works, 3306 S Main
OAKLAND—City Cornice Co., 3121 San Pablo av
Pacific Metal Products Co., 2nd & Madison
Yager Sheet Metal Co., 3501 Chestnut
PASADENA—Dunn W. H.
Munger & Munger
POMONA—Caldwell B. F.
RIVERSIDE—Copley Bros.
Crescent Sheet Metal Works
Riverside Sheet Metal Works, 102 5th
SACRAMENTO—Ahl Frank W. Sheet Metal Works
Alderson Sheet Metal Products Co., 919 8th
Latourette-Fical Co.
McLaughlin Sheet Metal Works
Sinclair & Bessey
SALINAS—Anderson & Dougherty
SAN DIEGO—Blair Thos. Sheet Metal Co.
Heilbron Fred A.
Perry-Christenson-Campbell, Inc., 229 10th
San Diego Sheet Metal Works
SAN FRANCISCO—Appmann Cornice Wks 128 Valencia
Capitol Art Metal Co. Inc., 1133 Howard
Conlin & Roberts, 414 Natoma
De Lano Bros., 70 Spear
Finn John Metal Works, 384 2nd
Forderer Cornice Works, 269 Potrero av
Guilfoy Cornice Works, 1234 Howard
Heidt W. Cornice Works, 152 1st
Ideal Cornice Co., 1040 Howard
Jackson P. H. Co. (Floor Lights), 237 1st
Korell J. A. & Co., 39-47 Isis
Olmo Frank, 3460 Mission
San Francisco Cornice Co., 555 10th
Zimmerman L. & Son, 911 Folsom
SAN JOSE—Garden City Metal Works
Mangrum & Otter Co.
SANTA ANA—Hill S. & Son
McFadden John Co.
Nickey F. P. Hardware Co.
SANTA BARBARA—Boeseke-Dawe Co.
Ott Hardware Co.
SANTA CRUZ—Byrne Bros.
SANTA MARIA—Bryant & Trott Co.
SANTA ROSA—Demmer Chas.
STOCKTON—Stockton Sheet Metal Works, 37 N American

COLORADO.

COLORADO SPRINGS—Bumstead, F. E.
Lowell-Meservey Hardware Co.
DENVER—Crosta C. A., 1830 Market, Tinners Supplies
Kessler, Fred, 2706 Larimer
DURANGO—Chapman Hardware Co.
FLORENCE—Wilson George
TRINIDAD—Branson & Griswold Hardware Co.

CONNECTICUT.

BRIDGEPORT—Bridgeport Cornice Wks.
Dee William V. Co., 729 Union av
Drouve G. Co. ("Anti-Pluvius," Futtyless Skylights Only), 40 Tulip
Eames C. S. & Co., 246 Middle
General Sheet Metal Works, 120H Stillman av
Kirk W. P. Co., 749 Main
Mills L. H. Co., 32 Middleton
Park City Cornice Wks., Inc., 56 McKinley av
Reilly, J., Jr., 319 Park av
Schietinger & Ladwig, 43 Berk
Schwing Jno. Corporation
HARTFORD—Bostwick C. G., 236 N Oxford
Cullen & Atkinson Co., 122 Allyn
Lurie Aaron, 548 Windsor
Stelling Fred W. Corp., 9 Pawtucket
MERIDEN—Griswold, Richmond & Glock Co.
NEW HAVEN—Beegan John B., 952 State
Bradley Co., 158 Orange
Buckingham Routh Co., 64 Grove
Clerkin Andrew J., 781 Grand av
Curtiss & Pierpont Co., 272 Elm
Dorman H. W., 243 Congress av
Elm City Cornice Works, 207 Orchard
Meagher Thos. F., 23½ Trumbull
Perry H. M., 218 George
Rourke Bros. Co., 962 Grand av
Sheahan & Groark, 235 State
PUTNAM—Chandler & Morse
Ferris Bros.
SOUTH MANCHESTER—Carrier E. T.
Ferris Bros.
TORRINGTON—Moriarty E. A.
WATERBURY—Amer. Sheet Metal Works
Barlow Bros. Co.
Gill John M.
Weyand Henry Co.
WATERTOWN—Suffa Jos.
WOODBURY—Hitchcock F. F.

DELAWARE.

WILMINGTON—Cook, H. R.

DISTRICT OF COLUMBIA.

WASHINGTON—Daly & Hopper, 1802 11th, N W
Gichner Ernest, 1107 E N W
Giclas H. J., 1134½ S W
Thompson J. D. Co., 2609 Penna. av, N W
Wolfsteiner Co., 1315 W, N. W.

FLORIDA.

JACKSONVILLE—Florida Metal Products Co.
Johnson Chas. H.
MIAMI—Bohnert Sheet Metal & Roofing Co., Dept. H
PENSACOLA—Avery A. M.
TAMPA—Berry W. J. & Co.
Eagle Roofing & Art Metal Works

GEORGIA.

ABBEVILLE—Moody E. A.
AMERICUS—Schroeder E. J.
ATLANTA—Dowman-Dozier Mfg. Co.
Franklin Plbg. & Tinning Co.
Warlick Sheet Metal Mfg. Co.
AUGUSTA—Slusky David & Sons
BRUNSWICK—Daniels Moses
CARROLLTON—Campbell W. S.
CARTERSVILLE—Lumpkin Hardware Co.
COLUMBUS—Gartman W. D.
Russell J. C.
ROME—Neal James
Rome Supply Co.
SAVANNAH—Cox C. A.
Hahne Frank
Pacetti's E. C. Sons
Sanders J. K.

IDAHO.

BOISE—Idaho Hardware & Plumbing Co. (Ltd.)

ILLINOIS.

AURORA—Aurora Cornice Works
Hart Charles H.
Messenger & Parks Mfg. Co.
BATAVIA—Barckley A. J.
BELLEVILLE—Lebknecher L.
BERWYN—Becker F.
BLOOMINGTON—Butler Harry
Muhl F. C. & Son
Read Geo. H. & Bros.
BLUE ISLAND—Schreiber Bros.
BRADLEY—Watson Jas. H. Co.
CHAMPAIGN—Mollett Chas.
CHICAGO—Abbot Sheet Metal Works, 816 S Wabash av
Abt L., 2651 W 12th
Acme Metal Ceiling Co., 733 S Halsted
Advance Roofing & Sheet Metal Wks, 4330 Cottage Grove av
Biegler Louis Co., 167 N Curtis
Burkhardt G. Mfg. Co., 2123 N Clark
Buttenbender Jonas, 4154 Lincoln av
Chicago Cornice Co., 210 S Western av
Conen Stephen, 4305 Lincoln av
Dauchy Iron Works (Iron Frame), 223 W Illinois
Eagle Cornice Works, 2726 Sheffield av
Farwell Cornice Co. (Skylights Only), 3935 Southport av
Glatt Jacob, 3640 Dickens av
Glowacki John B. Co., 1440 W 47th
Griffith Cornice Works, 2441 Indiana av
Hempel Max, 3016 E 91st

Henning Bros., 3924 Indiana av
Knisely H. C. Co., 1908 S Western av
Knisely Bros, (Cornices & Skylights), 2799 S Wells
Kubick Chas. F., 9270 S Chicago av
Lengacher Wm., 2046 Larrabee
McFarland J. C. Co., 300 S Mich. blvd
Meisel Ferdinand, 1439 N Halsted
National Metallic Sash Co., 406 N Leavitt
Noble E. M. & Co., 817 W Monroe
Perkinson & Brown (Skylight), 412 N Lincoln
Rosch Math., 2937 N Ashland av
Rysdon E. A. & Co., 527 W 41st
Rysdon Louis S. & Co., 3319 Wallace
Schmidt H. & Co., 451 S Clark
Schultz D. D., 2047 W 22d
Smith J. & Co., 2188 S California
South Side Cornice Works, 4324 Cottage Grove av
Spalten Bros., 1240 S Crawford av
Staar Frank, 1473 N Halsted
Sykes Co., 930 W 19th pl
Teuffer Chas., 4816 W Erie
Tumpach Jos. Cornice Co., 2431 S Kedzie av
Universal Cornice & Roofing Co., 2241 S Troy
Vallas Wm. H., 2855 W Lake
Wagner Bros., 1010 Diversey P'kway
Warner Chas. W., 522 W Harrison
Yeldham Herman J. Co., 1126 Van Buren

CICERO—Am. 3-Way Prism Co. ("3-Way Luxfer," "Stee Lead" Prism Transoms), 13th & 55th Court
DANVILLE—Dettman Wm. C.
King Bros.
DECATUR—Barringer Wm. C.
Central Cornice & Roofing Works
DE KALB—Knodle B. C.
DIXON—Hofmann John
EAST ST. LOUIS— Haines O. J. & Son
Hogan Sheet Metal Works
EDINBURG—Ballet Jacob
EDWARDSVILLE—Bernreuther Fred
EFFINGHAM—Feldhake J. J.
GALESBURG — Galesburg Sheet Metal Works
Metal Barrel Co.
Willis Mfg. Co.
HIGHLAND PARK—Purdy D. C. & Sons
JACKSONVILLE—Brennan Joseph F.
JOLIET—Barrett Harware Co.
Bush & Handwerk
Meers R.
KANKAKEE—Reuter Henry & Sons
LA GRANGE—Mattingly John G
LA SALLE—Boyle Thomas
Camenisch John
LEBANON—Sager C. H. Hardware Co.
LINCOLN—Dehner & Wershey
MATTOON—Weber O. B.
MENDOTA—Edwards Geo. B.
MOLINE—Reid Co.
Willis & Sons Co.
MONTICELLO—Harris H. P.
MORRIS—Cronin Daniel G.
MURPHYSBORO—Stoelzle John & Bro.
OAK PARK—Zenner & Son
OLNEY—Jolly, Weiland & Richardson Co.
ONARGA—Amerman M. T.
OTTAWA—Paisley Wm. C. Roofing Co.
Pearson's Saml. S. Sons
Walter John & Sons (Slate & Metal)
PEORIA—Aylward R. C.
Bushell A. A. & Son
Hierspiel Bros.
Hunter & Strehlow Co.
Johnson Chas. Hdw. Co.
Kavanaugh Patrick H.
Meyer F. & Bro. Co.
Peoria Roofing Co.
QUINCY—Berghofer Mitchell Co.
Comstock-Castle Stove Co.
Scheipering Gustav
Schell & Kroner
Winking Geo.
Wurst C. H. Co.
ROCKFORD—Harder A. P.
McGuire B. W.
ROCK ISLAND—Allen Nyers & Co.
Bertelsen John
SPRINGFIELD—Armstrong Bros.
Edmonds F. E.
Foster Sheet Metal Co.
Illinois Art Metal Co.
Matheis Hardware Co.
Neuman J. C.
Robinson, Henson Co.
STERLING—Taylor F. R. & Co.
Trager Frank A.
STREATOR—Alband John
Howe A. J.
SYCAMORE—Ohlmacher C. J. & Co.

INDIANA.

COLUMBUS—Brooks Bros.
CONNERSVILLE—Cain H. & Co.
ELKHART—Borneman & Sons
Garvin & Co.
EVANSVILLE—Groeninger J. J. Co., 400 L 2d
International Steel & Iron Co.
Mesker Geo. L. & Co.
Schminke H. Co., 221 Line
FORT WAYNE—Gerding & Aumann
Gunkel Otto F.
Miller C. & Son
Welch J. H. & Sons
GOSHEN—Manrow Sheet Metal Wks.
HAMMOND—Hammond Cornice Works
HUNTINGTON—Bridge, Lewis & Sons
INDIANAPOLIS—Frick Julius C., 3040 Baltimore av
Gardner Joseph, 615 W Delaware
KOKOMO—Cain Milo
LAFAYETTE—Co-Operative Tin Shop
Schimplefenig Chas.
Shipley Hardware Co.
LAPORTE—Decker Louis
McFarland J. C. Co., Dept. H
LAWRENCEBURG—Stuber F. & Son
LOGANSPORT—Flanegin Hardware Co.
MADISON—Eckerts John Sons
Hoffman Peter
MARION—Baer Sheet Metal Works, 219 W 3d
Beshore Chas. & Co.
Hollinger M. G. & Co.
Swanger & McClain
MICHIGAN CITY—Bartholomew & Co.
Staiger Hdw. Co.
MISHAWAKA—Distler John C.
Lang O. E. & Co.
Swanger J. Q. Jr.
MONROEVILLE—Nill Thos. A.
MONTEZUMA—Sharp Al
MOUNT VERNON—Schenk E. B. Hdwe. Co.
MUNCIE—Doyle Thos. F.
Warfel W. H.
Wells Arthur T.
NORTH MANCHESTER—Lockwood John B.
OLDENBURG—Schmidt Geo.
RICHMOND—Johanning Chas.
Ruch John
Schultz & Laning
RUSHVILLE—Beale Bros.
SHELBYVILLE—Brown Walter E.
Howard Alonzo
Pearson J. C.
SOUTH BEND—Lauber J. C. & Co.
Meyer G. E. & Son
TERRE HAUTE—Braden Mfg. Co.
Deady P. F.
Dudley A. W. Co.
VALPARAISO—Findling H. M.
VINCENNES—Dubois F.
Lauby C. W.
Vincennes Galvanized Iron Works
WASHINGTON—Gross F. H.

IOWA.

AUDUBON—Reinemund Hardware Co.
BURLINGTON—Forney J. H.
Haffner Chas.
Hillen Frank
CEDAR RAPIDS—Cedar Rapids Cornice Co.
Grissel J. P. Cornice Co.
CHARITON—Ensley G. W.
CLINTON—Armstrong C. E. & Sons
COUNCIL BLUFFS—Amy W. S.
Spencer F. A.
DAVENPORT—Hipwell Chas. G.
Reimers Peter A.
DES MOINES—Backman Sheet Metal Works
Des Moines Sheet Metal Co.
Kurtz L. H. Co.
St. John & Barquist
Schlater R. H.
Steel Roofing & Stamping Works
DUBUQUE—Geisler Bros.
Klauer Mfg. Co.
ELDORA—Stauffer, Van Avery Co.
INDEPENDENCE—Plane I. C.
IOWA CITY—Maresh Wm.
LYONS—Parker Bros.
MUSCATINE—McQuesten Hardware Co.
Thompson Bros. Co.
NEW HAMPTON—Garmen & Forkenbrock
OSKALOOSA—Hamilton & Hamilton
Wells & Stump
OTTUMWA—Harper & McIntire Co.
Haw Hardware Co.
McCarroll Bros.
SIOUX CITY—Central Cornice Works
Friend Bros.
Inter-State Cornice Works
Sioux City Sheet Metal Works
STATE CENTER—McMahon & Son
McMahon J. L. & Son
WATERLOO—Lichty B. F. & Son
Waterloo Mfg. Co.

KANSAS.

ATCHISON—Klostermeier Bros. Hardware Co.
Weinmann C. F.
CONCORDIA—Blair J. F.
EMPORIA—Knapp O. H. P.
FORT SCOTT—Congdon D. C.
IOLA—Root W. H.
JUNCTION CITY—Muenzenmayer J. J. & W. F.
LEAVENWORTH—Hoffman S. C.
NEWTON—Bachman C. A.
OTTAWA—Elder Mercantile Co.
PITTSBURGH—Beasley & Miller
SALINA—Kastner Chas.
TOPEKA—Forbes D. H.
Van Dorp L.
WICHITA—Buckley Fred
Martin Metal Mfg. Co.

KENTUCKY.

ASHLAND—Phelps Frank K.
CARROLLTON—Salyers C. D. & Son
COVINGTON—Brown R. L.
Glaser Wm. A.
Gottschalk F. S. Furnace & Roofing Co.
Rasch C. F. Sons
DAYTON—Poos John
LEXINGTON—Bitterman E.
LOUISVILLE—Belknap Hardware & Mfg. Co.
Falls City Cornice & Roofing Co.
Fink Philip & Sons, 213 S 1st
Geher Fischer & Co., 227 S 2d
Harpring L. H. & Bro., 1236 S Shelby
Heartick E. G., 915 E B'way
Louisville Cornice & Roofing Co.
Wagner's J. F. Sons Co.
MAYSVILLE—Leonard & Lally
McClanahan & Shea
Rasp R. & W.
NEWPORT—Rust Lawrence & Sons
Wagenlander Jos.
OWENSBORO—Guenther Hardware Co.
Southern Foundry Co.
PADUCAH—Davis G. R.
Maret & Kauger

LOUISIANA.

NAPOLEONVILLE—Blanchard Bros.
NEW IBERIA—Ribbeck F. J.
NEW ORLEANS—American Sheet Metal Works, 3427 S Carrollton
Eichorn Mrs. Ludwig
Gulf Galvanized & Metal Works, 2845 Magazine
Holzer R. G. (Est. of)
New Orleans Roofing & Metal Co. ("Nola"), Cortez & Orleans
Orleans Steel Products Co., Inc., 1021 Bienville
Redmond B. V. & Son, 309 Decatur
Woodward Wight & Co., Constance & Howard
SHREVEPORT—Bain H. H. Sheet Metal Works
Wortman J. R.

MAINE.

AUGUSTA—Malcolm & Dyer Co., 159 Water
Taber & Reid 269 Water
BATH—Barton Geo. H. W.
Rogers C. W.
Winslow J. A. & Son
BELFAST Stickney John B.
BIDDEFORD—Anthoine Geo. A.
BRUNSWICK—Ridley Geo. B. & Sons
EASTPORT—Martin E. S & Son Co.
Spates Wm. T.
LEWISTON—Stetson Jos. H. Co.
MACHIAS—Crane Bros.
NEWPORT—Deering R. A. & Son
NORWAY—Leavitt W. C. Co.
OLD ORCHARD—Robinson Wm. B. & Co.
PORTLAND—Alexander A. R., 123 Central
Hollivan & Parker, 56 Cross
McBrady Jno. E. & Son, 164 Congress
Nash F. & C. B. Co., 386 Fore av
Scott Wm. H. Co., 462 Fore
Wheeler F. E., 530 Forest av
ROCKLAND—Sleeper Bros.
SKOWHEGAN—Wood F. A.
WALDBORO—Curtis C. H.
Richards Bros.

MARYLAND.

BALTIMORE—Cotton Wm. E. & Co., 1600 Hartford av
Fingles W. A., 29 S Howard
Fitzberger Thos. F., 202 Clay
Heil John C., 1204 N Gay
Hetzel John G. & Son, Paca & Mulberry
Kirwan Wm. T. A. & Son, Bamey & Westphal av
Lenderking P. H. Jr., Linwood av & Dillon
Monumental Cornice Works, 822 Hartford av
Moss Morris L., 38 S Eden
Northwestern Cornice Works, 1500 Penn av
Philipp-Kell Co., Inc., Clarkson & W. M. R. R.
Purnell Art Co., 407 N Charles
Vollenweider J., 1506 Penna av
Ward Wilbur F., 20 W Pratt
Wilhelm J. Frank, 618 N Carlton
Zeller Wm. F. & Co., 1119 Denver
EASTON—Hartnett W. J.
Shannahan & Wrightson Hardware Co.
HAGERSTOWN—Danzer Metal Works
HAVRE DE GRACE—Murphy J. T.
ROCKVILLE—Viett & Co.
SALISBURY—Dorman & Smyth Hdwe Co.
Gunby L. W. Co.

MASSACHUSETTS.

ASHLAND—Enslin Franklin & Co.
ATTLEBORO—Flynn Wm. F. & Son
BOSTON—Ames & Ginty, 75 Mountfort
Badger E. B. & Sons Co. (Also Copper), 75A Pitts
See adv index at end of book
Boston Roofing Co., 21 Ramsy
Buchanan Geo. J. Co., 87 Commercial Wharf
Hicks S. D. & Son, 69 Commercial
Hind Thos. J., 49 Milk
Hub Cornice & Roofing Co., 134 Endicott
Hub Cornice & Skylight Co., 43 Bristol
Jeffers Wm., 77 Joy
Kalman Joseph & Son, 361 Chelsea, E B
Labovich B., 1250 Tremont
Mayberger Edw. F., 1 Hubert
Murtfeldt W. A. Co., 77 Summer
New England Cornice Co., 248 Bremen
Pemple Fr. & Son, 47 Cornwell
Pemple Geo. C., 27 Eustis
Penn Metal Co., 65A Franklin
West End Cornice Co., 13 Lindall pl
Williams & Poore, 22 Medford
BROCKTON—Carr J. E. & Sons
CAMBRIDGE—Brock Bros.
Columbia Cornice Co.
Eagle Cornice & Skylight Works
Flynn T. J. Metal Wks.
Smith A. & Co.

(Continued on following page)

Cornices & Skylights—Continued

MASSACHUSETTS—Continued
CHICOPEE FALLS—Enright P. J Co.
CLINTON—Maitland Robert & Son
FAIRHAVEN—Delano C. F.
Forrest E. W.
FALL RIVER—Fall River Sheet Metal & Cornice Works
Hughes James T.
Wilcox D. T.
FITCHBURG — Fitchburg Heating & Plumbing Co.
Hart Patrick J.
Jennison Co.
HOLYOKE—Friedrich E. H. Co.
Richter Otto F.
Ruppert R. A. Co.
Sullivan & Carmody
LAWRENCE—Forbes Wm. & Sons
Horne Geo. W. Co.
Smart Geo. B. & Co.
Wilson Andrew Co., 616 Essex
LEOMINSTER—Burrage H. E. & Co.
LOWELL—Carroll Bros.
Cushing D. & Co.
Gordon James L.
Lowell Furnace Co.
Mack W. A. & Co.
Stewart J. W. Co.
Wilder H. H. & Co.
LYNN—Bee's John D. Sons
MALDEN—West Alonzo A.
MANCHESTER—Beaton D. T.
Carter J. W. Co.
MARLBORO—Hall G. R. & Co.
MELROSE—Brock Bros.
METHUEN—Sanborn Furnace Co.
NEW BEDFORD—Wood, & Brightman Co.
ROCKPORT—Smith L. E.
Thurston & Hale
SOUTHBRIDGE—Winter G. C.
SOUTH HADLEY FALLS—Moriarty Bros.
SPRINGFIELD—Atwater E. C. & Co., 23 Bond
Brunton M. J. Jr., 773 Liberty
Estabrook Geo. R., 8 New Dwight
Hampden Cornice Works
Pratt A. J., Wilbraham
Radding Co., 289 Main
Treuchet F. E., 33 Sanford
STOUGHTON—Deacon D.
TAUNTON—Whitmarsh I. F. Co.
Wordell E. & Son
WALPOLE—Spear H. A. Jr.
WALTHAM—Codyer & Cavanaugh
WEBSTER—Rosebrooks & Cummings
WORCESTER—Barnard Geo. A., 74 Prescott
McNally D. E. & Co., 4 Orient
New England Steel Roofing Co., 274 Main

MICHIGAN.

ALLEGAN—Phillips Bros.
BATTLE CREEK—Battle Creek Furnace & Roofing Co.
McCallum Wm.
BAY CITY—Walther A. & Sons
CALUMET—Carlton Hardware Co.
CASSOPOLIS—Hayden W. B. & Sons Co.
CHARLEVOIX—Charlevoix Hardware Co.
CHEBOYGAN—Post J. J. Hardware Co. (Ltd.)
COLDWATER—Allen D. C. & Co.
Kerr Bros. Co.
DETROIT—Acme Roofing Co., 4628 Moran
American Roofing Co., 2142 Gratiot av
Basman A. M. & Co., 1644-46 W Port
Berschbach & Herz, 2142 Gratiot av
Bertling Paul C. & Son Galvanizing & Sheet Metal Works, Hancock & 18th
Borgman A. J., 2845 Forest av E
Burton W. J. Co., 5650H Federal
Candler Geo. V. Co., 724 Seyburn
Candler J. D. Roofing Co., 551 E High
Candler Robert Co., 2050 W Forest
Clark James F., 12361 Stoebel
Cowan Edw., 411 W Woodbridge
Cross Bros., 10328 Woodward
Detroit Cornice & Slate Co., 739 Antoine
Eagle Cornice & Roofing Co., 3461 W Fort
Hines H. C. & Co., 3964 Humboldt av
Howie Roofing Co.
Hutton Robt. Co., 622 Fort, E
Lewis Henry B., Ferry av & G. T. Ry.
Looman W. J., 856 E. Gd. blvd.
Mahon R. C. Co., St. Aubin & E Grd. blvd.
Marshall W. E., 432 Antoinette
Michigan Cornice & Slate Wks., 117 Fort E
Motz W. E., 1197 Michigan
Pudrith A. F. & Co., 1467 E Fort
Sexauer Chas. Roofing Co., 1468 Sherman
Union Sheet Metal Works, 10318 Shoemaker
ESCANABA—Delta Hdw. Co.
Escanaba Hdw. Co.
EVART—Smith J. K.
FREMONT—Hain G. E. Co.
GRAND RAPIDS—Grand Rapids Sheet Metal & Roofing Co.
Hopson W. C. Co.
Sokup F. J.
Sproul & McGurrin Co.
Weatherly Co.
HOLLAND—Van Landegend G. A.
Van Landegend Tyler
HOUGHTON—Portage Lake Hdw. Co. (Ltd.)
HOWELL — Schroeder-Rutka Hardware Co.
ISHPEMING—Eggan Fred J
Jochim J. W. Hardware Co. (Ltd.)
JACKSON—Creque & Thurston
Daly & Rutherford
McGraw & Crone
McLean Frank & Co.
Oleslager John B.
KALAMAZOO—A. & D. Sheet Metal Works
Kalamazoo Sheet Metal Mfg. Co.
LANSING—Fleming Jas.
LAPEER—Gray Sidney T.
LUDINGTON—Bradl Frank
Goodsell B. J. Hdw. Co.
MANISTEE—Manistee Iron Works Co.
MARQUETTE—Clark D. M.
Manhard M. R. & Son
MENOMINEE—Bertholdt H. C.
Fernstrum Frank G.
Northern Hardware & Supply Co.
MIDLAND—Reardon & Beckwith Merc. Co.
MUSKEGON—Towner Hardware Co.
NEGAUNEE—Lucas H. N.
NORTHVILLE—Huff James A.
PLYMOUTH—Connor Hardware Co. Ltd.
PORT HURON—Dart James A. & Son
QUINCY—Cole S. B.
SAGINAW—Jacobi Alex
Valley Cornice & Slate Co., (Ltd.) (Also Copper)
SAULT SAINTE MARIE—Soo Hdw. Co.
SHELBY—Rankin A. J.
TECUMSEH—Satterthwaite Bros.
VASSAR—Dean H. C.

MINNESOTA.

DULUTH—Deetz Sheet Metal & Roofing Co.
Hollihan & Milostan
MINNEAPOLIS—Berger Mfg. Co., 1701 N E Broadway
Durgin & Son
Gerber J. J., 128 6th av S
Henning Julius, 315 Plymouth, N.
Minneapolis Roofing & Cornice Co. (Cornices & Skylights), 718 Washington av S E
Nees Louis, 240 12th av
Northwestern Roofing, Cornice & Stamping Works, 1111 S 5th
Seelye A. T., 700 E Hennepin av
Stremel Bros. Roofing & Cornice Co., 1314 N 3rd
Swenson A., 1021 James av, N
Townsend A. W., 20 S 2nd av
Wishart R. S. Co.
NEW DULUTH—Western Steel Products Co.
NORTHFIELD—Northfield Furnace Co.
ST. CLOUD—Ladner C. F. Hardware Co.
Powell Hardware Co.
ST. PAUL—Minnesota Roofing & Cornice Works, 135 E 12th
St. Paul Roofing, Cornice & Ornament Co.
ST. PETER—Feldman Chas. H.
VIRGINIA—Virginia Roofing & Cornice Co
WINONA—Magnus Henry

MISSISSIPPI.

VICKSBURG—Bruser W. H.
YAZOO CITY—Cummings M. F.
Jenne Geo.

MISSOURI.

BOONVILLE—Vanatta Mrs. F. M.
BUTLER—Bennett-Wheeler Mer. Co.
CAPE GIRARDEAU—Brunkhorst A. F.
Vogel W. H.
HERMANN—Eberlin Christ & Son
INDEPENDENCE—Hill Martin & Hill
JOPLIN—Joplin Cornice Works
Wenzel F. M. Sheet Metal Co.
KANSAS CITY—Kansas City Furnace Co., 326H W 6th
Kornbrodt Kornice Kompany (Cornices only), 1311 Troost av
McClelland R. H., 4220 E 56th
Stoplet P. S. Sheet Metal Works, 12 E Missouri av
Weis Henry Cornice Co., 4124 E 12th
Wiedenman W. C., 1820 Harrison
Zahner Mfg. Co., 1215 Walnut
LEXINGTON—Marrs Wm. S.
Schawe G. C.
Yingling C. E.
Weis F. W.
MOBERLY—Stauffer P.
NEOSHO—Briggs Hardware Co.
NEVADA—Norman W. F. Sheet Metal Mfg. Co.
ST. JOSEPH—Seaman & Schuske Metal Works Co.
Wehrman Wm.
Whelan Alex. T.
ST. LOUIS—Albert & Fischer Hardware & Sheet Metal Co., 2524 S 7th.
Axtheim August W., 1559 Tower Grove av
Clemens Jno. Galvanized Iron Works, 1922 S 7th
Eberle Cornice Co., 4014 Laclede av
Fleck Chas. W., 2016 Cherokee
Gerock Bros. Mfg. Co., 1252 S Vandeventer av
Gruendler A. H., 1018 Cass av
Hammond Sheet Metal Mfg. Co., 2nd
Higgins J. F. & Co., 5521 Wells
Hopmann Cornice Co., 2573 Benton
Huber & Richardson, 3744 St. Louis av & Cass av
Kohlmeyer Geo. E., 3222 N B'way
Mesker Bros. Iron Co., 421 S 6th
Mound Rose Cornice Co., 726 N Euclid av
Powers & Boyd Cornice & Roofing Co., 3614 Laclede av
Rowland Sheet Iron & Cornice Works, 3713 Cass av
Ruth Jno. F., 4249 Easton av
Souther E. E. Iron Co., Klenlin & Hamburger
Stark Henry & Co., 2105 Gravois
Tiernan Luke, 1136 Chestnut
Von der Au & Cluss Mfg. Co., 2408 S Jefferson
West End Cornice Works, 3524 Lindell
Wilsdorf M. A., 213 St. George
Zitko Chas., 3524 Lindal
SPRINGFIELD — Anslinger Sheet Metal Works Co.
Kirby & Naber
Raymond Heating Co.
Wellhener Wm. Heating & Sheet Metal Co.

MONTANA.

BOZEMAN—McCay H. B.
BUTTE—Dorhoffer F. J. Co.
GREAT FALLS—Great Falls Iron Works
Murphy-McClay Hardware Co.
HELENA—Adams Heating Plumbing Co.
McKinnon H. A.
Mitchell John

NEBRASKA.

BEATRICE—Spieler Jos.
HASTINGS—Still Joseph H.
HOOPER—Heine J. F. & Son
KEARNEY—Kearney Hardware Co.
LINCOLN—Lincoln Cornice & Metal Wks
NORTH PLATTE—Fillion Jos.
OMAHA—Bierson Sheet Metal Works
Carter Sheet Metal Co.
Epeneter G. F. Cornice Works
PLATTSMOUTH—Kroehler Bros.

NEVADA.

RENO—Nevada Sheet Metal Works

NEW HAMPSHIRE.

CONCORD—Bailey W. T. & Co.
MANCHESTER—Bisson & Jodoin, 124 Franklin
Lawson H. J.
Pike & Heald Co.
PORTSMOUTH—Paul W. E.
Sweetser J. G.

NEW JERSEY.

ATLANTIC CITY—Currie Co.
BAYONNE—Bayonne Cornice & Skylight Co.
Gilbertson J.
BERNARDSVILLE—Griffith C. H.
BOONTON—Kopps Jno. I. Sons
BOUND BROOK—Williams Thos. F.
CAMDEN—Metallic Mfg. Co.
ELIZABETH—Elizabeth Cornice Works
ENGLEWOOD—Beck Wm.
Dubois Chas. L.
Hickey & Baker
HARRISON—Godby W. H. & Bro.
HIGHTSTOWN—Taylor Jas. A.
HOBOKEN—Dorsett T. W. Co.
Leonard Sheet Metal Works
IRVINGTON—Central Cornice & Skylight Works
JERSEY CITY—Anderson Bros. Co., 394 Grove
Donavan D. F., 505 Newark av
NATIONAL SHEET METAL ROOFING CO. (Galvanized & Copper Sheet Metal Frame), 339 Grand
See adv index at end of book
Pfistner Frederick, 108 Lincoln
Rader Henry, 27 Thorne
Ringle Jacob & Son, 472 Grand
Schreck & Waelty, 27 Hague
LONG BRANCH—Warwick W. R.
NEWARK—Allwood J. R. & Son, 39 Marshall
Baier & Conrad, 336 Hunterdon
Berla Elias, 232 Mulberry
Engelberger F. & W. V. Co., 159 Jelliff av
Newark Cornice & Skylight Works, 9 17th av
Simpson Albert J., 178 Somerset
Smith Frank F. Hdwre. Co.
Steinberg Jacob, 229 Belmont av
PASSAIC—Falstrom & Torquist Co.
PATERSON—Lendrim H. C. Co.
Quinn Bros.
Rogers Andrew J. Co.
PRINCETON—Margerum H. W.
RARITAN—Wyckoff J. C. & Son
SALEM—Righter J. C.
SCOTCH PLAINS—Jahn's Robt. Sons
TRENTON—Carlls Chas. W. Sons, Cole & Linwood
WEST HOBOKEN—Malecot P. B. & Co.
Sutter Louis
WEST NEW YORK—Gronborg C. C.
WOODBURY—Muller Harry

NEW YORK.

ALBANY—Ackroyd Jas. & Sons
Gorman Jas. J.
Hoffman J. H. B.
Walsh Jas. D. Sons
AMSTERDAM—Dwyer Cornelius
AUBURN—Hungerford J. A.
BINGHAMTON—Freeman E. G. & Co.
McIntyre & Walter
Lynch's Jno. R. Sons
Young J. J.
BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—Bauer's Chas. Sons, 159 William
Christman Phillip & Sons Co., 858 Virginia
Degenhart & Co., 1846 Niagara

Fisher Martin & Sons, 438 Pearl
Gruber Rupert & Co., 541 Sherman
Machwirth Bros. Co. (Also Copper, etc), 201-9 Oak
Peters G. H. Co., 293 Oak
Rademacher Bros., 343 Fox
CATSKILL—Day & Holt Co.
CATTARAUGUS—Eberlee T. J.
CUBA—Sisson & Smalley
DOBBS FERRY—Siess A. C.
ELMIRA—Barker, Rose & Clinton Co.
Young Chas. W.
FORT PLAIN—Linnev W. T.
Stewart & Bergen Co.
FULTON—Johnston Geo.
GLENS FALLS—Adams G. E.
HUDSON—Macy Frank R.
JAMAICA—(See New York City, Borough of Queens)
KINGSTON—Wieber & Walter
LESTERSHIRE—Becker C. D.
LONG ISLAND CITY—(See New York City, Borough of Queens)
LYONS—Hartman Wm. T.
Marshall Barrick Co.
MOHAWK—Richardson Co.
MORAVIA—Small F. & Son
MOUNT VERNON—Norden J.
NEWBURGH—Atlas Roofing Co.
Kempler Philip Co., 86 S Water
NEW ROCHELLE—Heintz W. H.
Helmrich Geo.

NEW YORK CITY.

Borough of Brooklyn

BROOKLYN—Blecher Bros. Co., 49 Nostrand av
Bloch Jos. Co., 90 Bushwick av
Bloom Percy & Co., 172 Adams
Buchanan Wm., 488 Sumner av
Buell C. S. Co., 198 Fourth av
Burger & Gohlke, 204 W 15th
Cohen Henry, 1340 Fulton
Craig & Brown, 421 20th
Davis Jno, 170 Court
Friedman S. M. Co., 95 Cedar
Gartenberg M. Co., 440 6th av
Haines A., 100 Fulton
Halpin Jas., 1718 Fulton
Herrmann & Grace Co., 671 Bergen
Kuhnla August, 10 Lorimer
Muller E. A. & Bro., 687 4th av
Seton Frank J., 42 Buckingham rd
Waldhauer, Stevens Co., 1721 Nostrand av

Boroughs of Manhattan and Bronx.

NEW YORK—Abbott's M. Sons, 137 8th av
Albach Theo., 335 E 133rd
Amalgamated Cornice Roofing Co., 230 E 22d
Anderson Albin Co., 291 E 137th
Architectural Cornice & Skylight Works, 4077 Park av
Architectural Metal Works, 157 E 85th
Bauman Jos. & Son, 61 E 4th
Berglung Chas. & Son, 236 E 47th
Bickelhaupt Geo., Skylight works, 723 11th av
Bickhardt Andrew, 3540 Bronx blvd
Blayer Chr., 315 W 143d
Blechner's Albert Sons, 677 Bergen av
Borkel Jno. & Co., 203 E 21st
Breivogel Geo., 46 Rose
Bronx Metal Works, 287 E 138th
Central Cornice Works, 423 W 39th
Central Sheet Metal Works ("Maxbar"), 267 E 133d
Christiansen Chas., 276 Water
Dietze Oscar, 208 E 74th
Dugan Geo. A. Co., 200 5th av
Dunn, L. J., 1976 Lexington av
Eastern Cornice & Roofing Co., 188 Madison av
Erker Adam M., 432 W 37th
Essenwanger Chas. & Son, 318 E 15th
Feiner P. & Son, 507 W 45th
Fessler David, 347 E 105th
Fordham Cornice Works, 2009 Monterey av
Forster J., 413 E 53d
Freyberg Richard H., 2308 2d av
Fulton Cornice & Skylight Works, 11 E 1st
Greenberg Guarantee Roofing Co., 23 Catharine
Guarantee Roofing Co., 61 E 4th
Guarantee Sheet Metal Works, 439 E 23d
Harrison M. & Son, 214 E 52d
Hell Gate Sheet Metal Works, 236 E 95th
Hilts Wm. H. Co., 82 W 3d
Hinz Albert, 403 E 16th
Kalbert Adolph & Son, 170 E 3d
Klein A., 165 E 33d
Lauber Albert, 433 W 42nd
Manhattan Roofing Co., 133 E 118th
May Wm. M. Co., 537 W 54th
Moritz Isaac, 161 E 85th
Mulberry Roofing Co., 46 Greenwich
National Cornice & Skylight Works, 417 E 9th
New York Cornice Works, 230 E 22d
Nicholson & Galloway, 646 Hudson
Oppel Rudolph, 230 E. 22nd
Perfect Cornice & Roofing Co., 1185 Washington av
Peters Wm. C., 1859 Carter av
Pfeifer Bros., 473 Greenwich
Preusser Jno., 302 W 122d
Rosenfeld I., 274 Av B
Samlovitz Max, 260 E 78th
Saron David, 2164 Madison av
Schwoerer A. Constr. Co., 402 W 147th
Sober & Graus, 214 E 127th
Star Cornice, Skylight & Roofing Works, 569 3d av
Storch L. A. & Co., 517 E 73d
Superior & Skylight, 95 Webster av
Vogt Geo. J., 343 E 62d
Westergren M. F., Inc., 213 E 144th
Zimmermann V., 3610 3d av

Borough of Queens

LONG ISLAND CITY—American Bar Lock Co., Borden av
Brodie Wm., 307 Jackson av
Jeter A. H. & Co., 91 Webster av
Petry John W. Co., 87 5th

Borough of Richmond

TOMPKINSVILLE—Girrbach Paul, St. John's pl

(End of New York City)

NEW YORK MILLS—Hastings M. E.
NIAGARA FALLS—Machwirth Bros. Co.
OLEAN—Pierce O. W. Co.
ONEIDA—Lype Bros.
PENN YAN—Hollowell & Wise Co.
POUGHKEEPSIE—Adriance Plumbing & Heating Co.
Aldrich Elbert
RAVENA—Strevell & De Friest Hdw. Co.
RED HOOK—Curtis J. A.
ROCHESTER—Fricker John Co., 10 Ely
Knowles & Peck, 50 Franklin
National Skylight & Ventilator Co.
Schoenemann Fred, 464 St. Paul
Siddons John Co.
RONDOUT—(See Kington)
ROUSES POINT—Chilton Geo.
SCHENECTADY—Case Levi & Co.
MacGregor Thos. F.
Vrooman's J. V. Sons Co.
SHELTER ISLAND HEIGHTS — Harris C. S.
SYRACUSE—Bradford & Deruchie, 439 E Water
Cashman & McCarthy, 372 W. Fayette
Gooley W. F., 1911 W Fayette
Talbott Thos. & Son, 240 W Water
TONAWANDA—Koenig H. B.
TROY—Loeble Herman G.
WARWICK—Montross A. W.
Ogden & Co.
WATERTOWN—Arthur H. S. & Sons Co.
McCrady A. C.
WATKINS—Durland L. H. Son & Co.
WELLSVILLE—Hoyt Hdw. Co.
WHITE PLAINS—Fowler & Sellars Co.
YONKERS—McVicar Thos.
McVicar Wm. H.

NORTH CAROLINA.

ASHEVILLE—McPherson Jos. C.
CHARLOTTE—McCausland J. N. & Co.
Ray G. G. & Co.
Shuman C. F.
WINSTON-SALEM—Brickenstein L. B.

NORTH DAKOTA

FARGO—Fargo Cornice & Ornament Co.
GRAND FORKS—Barnes & Nuss Co.

OHIO

AKRON—Akers & Harpham Co.
Akron Roofing Co.
Kasch Roofing Co.
ALLIANCE—Casselman C. W.
CADIZ—Bryan H. E.
CAMBRIDGE—Hartley W. H. Sons & Co.
CANTON—Canton Art Metal Co.
Canton Cornice & Skylight Co., 428 Cherry av S E
Eller Mfg. Co., 1200 Camden av
CINCINNATI—Andler Adam, 3023 Highland av, Mt. A.
Beckman Wm., 15th & Republic
Blum Albert, 4244 Allison, Norwood
Breese Bros. Co., 2347 Reading rd
Cincinnati Cornice Works, 637 W Court
Cincinnati Stamping Co., 24 W McMicken av
Dearking E. L., 1663 Iliff av
Dirr George L. & Son, 3631 Warsaw av P H
Eble Chas., 1907 Vine
EDWARDS MFG. CO., 545-565 Eggleston av *See adv index at end of book*
Emmers Cornice Co., 538 E 13th st
Fahnle & Dietrich, 537 Oliver
Fisher Philip, 1066 Central av
Hauck Michael, 1351 Walnut
Hirt Bros., 2009 Elm
Kobmann Chas., 1919 Central av
Koch Edw. A. & Co., 468 Van Voast Bellv
Kruse Wm. & Co., 523 Wade
Meyer Edw. & Co., 1541 Elm
Moeschl-Edwards Corrugating Co., Box 564 *See adv index at end of book*
Neabrey Leonard, 637 W Court
Porter Iron Roofing & Corrugating Co., 418 Culvert
Rothert Harry, 3230 Stanhope
Scott Roofing & Mfg. Co., 408 Culvert
Spatz H. P., 3901 Colerain av
Sweeney J. A. & Co., Rapid Run rd
Weigel John Co., 664 E McMilan
Witt & Brown, 215 W 3d
CLEVELAND—Cleveland Metal Roofing & Ceiling Co., 3105 Detroit av
Cuyahoga Roofing Co., Woodland & N P R R
Gould Lee H. & Co., 251 Arcade
Grauer Albert & Co., 318 Long av, N W
Huntington Hy. J., 1010 Superior av
Mannen John E. Co., 2247 St. Clair
Ortli Chas. F., 2510 Barber av, S. W.
Riester & Thesmacher Co., 1512 W 25th
Rudolph & Son Co., 416 Prospect av, N W
Stran C. W. & Son Co., 1288 E 9th
COLUMBUS—Schilling John N., 479 N 20th
Schoedinger F. O., 346 Mt. Vernon av
DAYTON—Bretch A., 20 Stone
Buvinger G. W. & E. E.
Couch A. M., 236 S Euclid av
Hoersting & Holtmann, 1133 W. 3rd
Kenney J. R., 251 S Wayne av
Rieck Sheet Metal Co., Monument & Taylor
Wuichet Chas. & Co., 14 S Canal
ELYRIA—Elyria Hdw. Co.
FINDLAY—Fiscus W. J.
Gates N. S. & Son
Hoffman & Bryan
Klein Fred
FOREST—Dickman Mfg. Co.
GALION—Sponhauer H. C.
GLENDALE—Dollman J. W.
Schatzman P. & Son
GREENVILLE—Beedle C. F.
HAMILTON—Bauer E.
Becker Jno. L.
Schlosser Jacob & Son
Zschau A. E.
IRONTON—Fillgrove Louis A.
KENT—Reed C. R.
LIMA—Smith Wm. A.
LONDIN—Thomas & Armstrong Co.
LORAIN—Weimer C. A.
MANSFIELD—Flohr G. Co.
Hoffman Chas. Co.
Runyan C. C. & Son
MARION—Saiter F. R.
MASSILLON—Kammer & Ertle
Portman Albert F.
MEDINA—Oatman's Furnace Co.
MIAMISBURG—Schell J. A.
MIDDLETOWN—Johnson J. A.
MILLERSBURG—Fitch John & Son
NILES—Cramer Geo.
Unger F. S., Plumbing & Heating Co.
PIQUA—Lee Geo. E.
PORTSMOUTH—Glockner Alexander M.
SANDUSKY—Bitter Joseph
Gundlach Chas.
Hemmerle Frank J.
Mertz & Sons
SHELBY—Armstrong G. W.
SPRINGFIELD—Folirath W. D. & Co.
Hauck Chas. F. & Co.
Hendrickson Roofing Co.
Jones F. O. & Co.
Lafferty Sam'l J. & Sons
Peet & Schuster Co.
TIFFIN—Tiffin Art Metal Co., 20 Broad
TOLEDO—Gerken J. D. & Co.
Hofer G. & Sons Co.
Loeffler Theo. J. M.
Warnke Bros. Co.
WARREN—Browning Wm.
Skinner E. W.
WELLINGTON—Peirce A. H.
WELLSVILLE—White Perkins & White
WILMINGTON—Jefferis W. W.
XENIA—Henrie C. B.
YOUNGSTOWN—Dalzell Bros. Co.
Squire Jno. R. Co.
ZANESVILLE—Ludy J. W.
Snyder Roofing Co.

OREGON

BAKER—Basche-Sage Hardware Co.
EUGENE—Strobel A. F.
GRANTS PASS—Cramer Bros.
McMINNVILLE—Hodson O. O.
PORTLAND—Bayer J. C., 204 Market
Columbia Awning & Supply Co. ("Hughes Handy Cut"), 188 2nd
Grand Sheet Metal Work, 64 E. 3rd
Hirschberger H. Co., 247 Ankeny
McDonald & Wynkoop, E 9th & Hawthorne av
Portland Sheet Metal Works, 429 E Madison
Tilton Bros., 290 Flanders
SALEM—Barr T. M.
Fraser A. L.
Nelson Bros.

PENNSYLVANIA

ALLENTOWN—Best J. A. & Co., 440 N 10th
Hersh Bro. Co., 645 Mill
Miller J., 740 Green
ALTOONA—England S. B.
Klesius Geo. A., 609 12th
ARDMORE—Whelan Martin
ASHLAND—Lauer J. J.
McConnell & Bro.
BEAVER FALLS — Asbestos Protected Metal Co.
Davidson Hdwe. Co., Dept. H
BELLEFONTE—Twitmire W. T.
BETHLEHEM — Bethlehem Roofing & Metal Works
Lehigh Valley Cornice Works
BRADDOCK—Loew's John A. Sons
Shirer John W.
BUTLER—Campbell J. G. & W.
CARNEGIE—Rome George & Co.
CHESTER—Doran Jno. A.
Ward Hugh H.
CLEARFIELD—Powell Wm. F.
CONNELLSVILLE—Munson Bros.
CORRY—Barlow Hdw. Co.
Guignon E. E.
DUQUESNE—Thomas G. E.

(Continued on following page)

Cornices & Skylights—Continued

PENNSYLVANIA—Continued
EAST STROUDSBURG—Lessig J.
EASTON—Arndt Wm.
Kinsey Howard P.
Miller E. H.
Miller Hy. R.
Stotz Bros.
ERIE—Krack Gust. & Son
Murphy Bros.
Patterson & Stirling
GIRARDVILLE—Griffith Hardware Co.
GREENSBURG—Overly W. F.
HALLSTEAD—Rogers Jos. B.
HANOVER—Bargelt & Son
HARRISBURG—Fager G. C. & Sons
Zollinger G. J.
HAZLETON—Koehler Fred
HOMESTEAD—Snyder Louis B.
HONESDALE—Erk Bros.
Watts G.
INDIANA—Alter C. A.
JOHNSTOWN—Joy Bros.
KINGSTON—Johnson H. F. & Sons
LANCASTER—Arnold Thomas
McAllister & Kline
Pohl John E.
LEBANON—Bressler C. O. & Co.
LOCK HAVEN—Fickincher Fred
McKEESPORT—Kemp Jas. F. & Bro.
Matthews Lewis K.
Trader E. N.
MAHANOY CITY—Morgan William
NANTICOKE—Hill & Evans
PEN ARGYL—Correll R. S.
PHILADELPHIA—Basford Erickson & Co., 5942 McCallum
Blefgen Hy. J., 2227 N 51st
Bohem A. & G., 18th & Wabash
Brinkmann Bros., 2617 Frankford
Brown Jos. E. Co., 1003 Race
Central Cornice Works, 345 N Frazer
Decker John & Son, 2704 Girard av
Easterbrook Wm. Jr & Bro., 311 Cherry
Ellis Geo. D. & Sons Co., 309 N 3rd
Fossett Geo. W. & Son, 56 Ad. Race
Gara, McGinley Co., 218 N 13th
Graber Francis, 2306 N 4th
Jakoby, Anton, 3122 Kensington
Laurel Mfg. Co., 708 N Bodine
Lorenz Chas., 1018 Callowhill av & Tulip
McFarland, Meade Co., 70th and Kingsessing
McGinley Howard J. & Co., 1719 Ludlow
Metal Cornice & Roofing Co., 811 Lexington
Miller Isaac J., Cedar Pk av
Pennsylvania Wire Glass Co. (Corrugated Wire Glass Skylights), Penna. bldg
See adv index at end of book
Rosenthal Jos., 220 N 5th
Ruger Louis, 1603 N 4th
Salinger Chas., 1110 Ridge av
Schmitt Edw. F., 521 Ludlow
Schnitzler Chas. H., 204 Cuthbert
Thorn J. S. Co. (Also Copper), 20 & Allegheny av
PITTSBURGH—Acme Cornice, Skylight & **Roofing Co., 30 Fernando**
Davis Bros., 204 Dilworth
Fortenbacher J. & Son, 538 E Ohio
Gantner Wm. Co., 9 Del Ray
Haas Morris, 1817 Mary
Iron City Roofing Co., 6943 Franks-town av
Johnson Bros., 4 Industry
Keighley S Metal Ceiling & Mfg. Co., **124 3d av**
Kirsch Jacob Co., 3234 Penn av
McIlroy J. D. & Sons, 508 2d av
Perritt Iron & Roofing Co., Rosedale & P R R
Pittsburgh Sheet Metal Co., S 20th & Wharton
Rasner & Dinger Co., 850 W North
Schmidt Geo. P. Co., 1020 E Ohio
Schnaufer Roofing Co., 816 Concord
Scholes Bros., 1241 Reedsdale
PITTSTON—Byrne Jno.
PLYMOUTH—Dymond E. P.
POTTSVILLE—Hoefel Fredrick
READING—Hafer J. D.
Hain Wm. T.
Yeager Wm. B.
RIDGWAY—Cody C. L.
SCOTTDALE—Dick J. I. Co.
SCRANTON—Gunster Bros., 325 Penn av
SHARON—Hoffman J. C. & Bro.
Hoffman's P. Son
SOUTH BETHLEHEM—McBride Michl. J.
TITUSVILLE—Hughes E. F.
UNION CITY—Hatch Hardware Co.
WASHINGTON—Hays G. W. & Son
Standard Sheet Metal Mfg. Co. (Structural Iron)
WEST CHESTER—Apple Plumbing & Heating Co.
James Bros.
Palmer George J.
WILKES-BARRE—Allen & Fell
Becker Peter & Son
Carpenter B. G. Co.
YORK—Kidds Alex. Son
York Corrugating Co.

RHODE ISLAND.

CENTRAL FALLS—Plews R. Mfg. Co.
PAWTUCKET—Reetz R. C. Co.
PROVIDENCE—American Cornice Works, 3 Charles
Brunnckow C. G. Co., 223 Globe
Burgess James 254 Prairie av
Eagle Cornice Co., 312 Blackstone
Hitt Chas.
Providence Cornice Co., 311 Canal
Strauss Co., 370 Richmond
WOONSOCKET—French O. P. & Sons Co.

SOUTH CAROLINA.

CHARLESTON—Arnot A. M.
Masters R. T.
COLUMBIA—Lorick Bros.
GREENVILLE—Barr L. L.
Piper J. A. Roofing Co.
ROCK HILL—Westerlund C. A.
SPARTANBURG—Pickens Roofing & Sheet Metal Co.
UNION—Murrah T. A.

SOUTH DAKOTA.

RAPID CITY—Sweeney Tom Hardware Co.
YANKTON—Yankton Roofing Co.

TENNESSEE.

BRISTOL—Leslie Sheet Metal Works
CHATTANOOGA—Chattanooga Blow Pipe & Roofing Co., 1040 McCall av
Chattanooga Roofing & Foundry Co ("Nooga")
Mountain City Stove & Mfg. Co.
Snow Tom, Heating & Roofing Co., 701 Chestnut
FAYETTEVILLE—Robertson & Goodrich
HARRIMAN—Edington Bros.
KNOXVILLE—Burton Hardware & Mfg. Co., 106 W Vine
MEMPHIS—Burdick A. W. & Co., 105 S 2d
Capps B. W., 247 Union
Eichberg W. L. & Lang, 191 Jefferson
Dept. H
Hendricks O. H., Dept. H
Jones Bros. & Co., 198 Poplar
Memphis Cornice & Roofing Co., 380 Piomingo
Nohsey & Schwab, 232 Mulberry
Richards L. W., Falls bl
Schaefer Geo., 349 Jefferson
Wessendorf Charles Co., 195 Washington av
NASHVILLE—Kadel L. J., 914 Church
Phillips & Buttorff Mfg. Co.

TEXAS.

AUSTIN—Arlitt Max
CORSICANA—Tatum W. M. Hardware Co.
DALLAS—Payne F. T.
DENISON—Waltz Chris.
EL PASO—Momsen-Dunnegan-Ryan Co.
ENNIS—Blakey-Clark Hardware Co.
GAINESVILLE—Bosley L. W.
GALVESTON—Breen Martin
Hoffmann W. A.
Miller W. H.
Werner Geo. P.
HILLSBORO—Smith & Tomlinson Co.
HOUSTON—Fothergill Thos. W.
Holtkamp E. E.
Schlom Meyer J.
Shannon Grant S.
MARSHALL—Logan & Whaley
SAN ANTONIO—Jewett Cornice & Roofing Co.
San Antonio Sheet Metal Works
Vodrie H. B., Sheet Metal Works
Walsh T. P.
SHERMAN—Roberts, Sanford & Taylor Co.

UTAH.

OGDEN—Crosbie R. L.
Newman & Co.
PROVO—Blumenthal H. G. Co.
SALT LAKE CITY—Bywater & Groo.
Fowler J. P. Mfg. Co.

VERMONT.

BENNINGTON—Vail F. E.
BURLINGTON—Hathorne A. C. Co.
LYNDONVILLE—Eaton J. C. & Co.
RANDOLPH—Lamson J. H. & Sons

VIRGINIA.

DANVILLE—Piedmont Hdw. Co.
HAMPTON—Copeland J. F.
HARRISONBURG—Saum Jno. R.
LYNCHBURG—Doherty Frank J.
Handy N. B. Co. (Cornices Only)
Dornin T. B., Adams Co.
NORFOLK—Bohn Roofing & Cornice Co.
Odend Hal-Monks Corp.
Odenhal Monks Corp.
RICHMOND—Burton Reuben
Miller Mfg. Co. (Wood Cornices), 7th & Stockton
ROANOKE—Dominion Metal Products Co.
Fossin Theo. & Co.
STAUNTON—Tanner Charles & Co.

WASHINGTON.

BELLINGHAM—Bellingham Sheet Metal Works
BREMERTON—Wetzel E. S.
EVERETT—Kirsh Frank W.
Wilson H. J.
NORTH YAKIMA—Sawbridge Jno.
Wade G. W.
Yakima Hardware Co.
OLYMPIA—Olympia Hardware Co.
PORT ANGELES—Jacobs Edgar A.
PORT TOWNSEND—Norby & With
SEATTLE—American Sheet Metal Works
Cascade Sheet Metal Works
Curtiss Wm. M. Co., 5016 20th, N W
Edgar & Campbell
Finlay & Robb
Garner J. J.
Globe Sheet Metal Co.
Independent Sheet Metal Co.
Northwestern Sheet Metal Works
Occidental Sheet Metal Works
Popple & Knowles Co.
Puget Sound Sheet Metal Works
Seattle Cornice Works
Seattle Metal Ceiling Co.
Seattle Sheet Metal Shop
University Sheet Metal Works
Van Doren Roofing & Cornice Co.
Washington Sheet Metal Works
SPOKANE—Allen Lester, 607 2d
Brandt Bros. Co., 20 Main
Brown Bros., E 316 Riverside
Burns H. J., N 2124 Atlantic
Evers Geo. C., N 121 Division
Keeler W. P., 1857 College
Schrimpf Chas. G., N 608 Monroe
Snyder Harry M. Roofman Co., 228 Sprague
TACOMA—Anderson K. A.
Hirsch I. L.
Holaday & Bailey
Kastner A. & J. B.
Kolb Wm. A.
Miller Edw. Cornice & Roofing Co.
Old Town Sheet Metal Works
Pederson N. P.
Tacoma Sheet Metal Works

WEST VIRGINIA.

BERKELEY SPRINGS—Ambrose C. P. & Bro
BLUEFIELD—Hefner O. V.
CHARLESTON—Whitlow M. G. Hardware Co.
Shawver W. F. Co.
HUNTINGTON—Hagan & Co.
Wilcoxen C. F.
MORGANTOWN—Morgantown Hardware Co.
WHEELING—Caldabaugh Bros.
Wheeling Metal & Mfg. Co.

WISCONSIN.

APPLETON—Schlafer Hardware Co.
Teach Wm.
ASHLAND—Garnich Emil & Sons Hardware Co.
BARABOO—Lee Radtke Hardware Co.
BELOIT—Murdock-Dunwiddie Co.
EAU CLAIRE—Hobbs W. H. Supply Co.
EVANSVILLE—Baker Manufacturing Co.
FOND DU LAC—Cheney S. H.
GREEN BAY—Danz H. Jr.
Fox River Cornice Works
Green Bay Cornice & Corrugating Co.
HARTFORD—Esser & Schmidt
JANESVILLE—McNamara Henry L.
Sheldon Hardware Co.
KAUKAUNA—Butler-Dietzler Hdw. Co.
Haas & Hohmann
KENOSHA—English Jno. J.
Jansen T. E.
Schulz H. C.
LA CROSSE—Badger Steel Roofing & Corrugating Co.
Dittman Fred. Hardware Co.
Gass Anthony
La Crosse Steel Roofing & Corrugating Co.
Tausche V. Hardware Co.
MADISON—Trachte Bros. Co.
Wolff, Kubley & Hirsig
MANITOWOC—Rathsack Wm. & Sons
MARINETTE—Westlund August
MILWAUKEE — Biersach & Niedermeyer Co., 220 5th
Consolidated Sheet Metal Works, **661** Hubbard
Gallun Wm, Kinnic av
Goethel Alex. G., **815 Winnebago**
Green D. D., 215 Sixth
Jeske R. & Bro. Co., 119 Reservoir
Millen Bros.
Milwaukee Corrugating Co. (Also Copper)
Roesler Herman, 1523 W 24th
Schumann & Roden, 914 3rd
Tonnsen E. B. Co., 113 Harmon
MONROE—Kundert Bros. Co.
NEENAH—Krueger Wm. Co.
Stroebel J. F.
OSHKOSH—Krippene Hardware Co.
Leach Frank Hardware Co.
Terwedo Mfg. Co.
PORTAGE—Schulze Hardware Co.
REEDSBURG—Siefert Aug. Hardware Co.
RICHLAND CENTER—Strang Geo. Hardware Co.
SHEBOYGAN—Geele F. Hardware Co.
SUPERIOR—Arnold Elmer H. Co.
Bingham Hardware Co.
Carlson Bros. Co.
Holmes A. E. & Bro. Co.
Roberts G. W.
WATERTOWN—Kusel D. & F. Co.
Pritzlaff W. G. Co.
WASHBURN—Ungrodt B.

WYOMING.

BUFFALO—Astell Hardware Co.

3241— Cornwall Stone

Chrystal Chas. B. Co., Inc. (Imp. English Ground), 13 Cliff, New York
See adv index at end of book
Golding Sons Co., Trenton, N. J.
Hammill & Gillespie, 240 Front (Imp.), New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book

Corrugated Elbows

See Elbows, Conductor Pipe; also Stove Pipe & Elbow Manufacturers

Corrugated Fasteners

See Fasteners (Corrugated Steel)

Corundum Mfrs.

See Emery & Corundum Manufacturers

3242— Costmeters

Postindex Co. ("Costmeter"), 373 B'way, Boston, Mass.

3242a— Costumers

GLOBE-WERNICKE CO., THE, 25 Carthage av, Cincinnati, O.
See adv index at end of book

3243— Cots (Army, Etc.)

American Bed Co. (Metal), 1820H Park av, St. Louis, Mo.
Bent Rung Ladder & Mfg. Co., Indiana, Pa.
Fort Pitt Bedding Co., Dept. H, Liverpool & Preble av, Pittsburgh, Pa.
Gold Medal Camp Furniture Mfg. Co. (Folding), Racine, Wis.
Himebaugh Bros., Jamestown, N. Y.
Schomer Henry Co., 1814 S Kilbourn av, Chicago, Ill.
Shannon Bed Spring Co. (Steel Frame), Louisville, Ky.
Sun Mfg. Co. (Canvas Cover, Wood Frame), Columbus, O.
Union Bed & Spring Co., 4345H Fifth av, Chicago, Ill.

3243a— Cots (Canvas)

Fulton Bag & Cotton Mills, Atlanta, Ga.
Haggard & Marcusson Co., 1109 W 37th, Chicago, Ill.
Humphrys R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Stonebridge C. H. Mfg. Co., 23 Warren, New York
Tucker Duck & Rubber Co. ("Peerless"), Fort Smith, Ark.

3244— Cots (Folding)

Fort Pitt Bedding Co., Dept. H, Liverpool & Preble av, Pittsburgh, Pa.
Foster Bros. Mfg. Co. (Iron Frames), Utica, N. Y.
Hard Mfg. Co, ("Compact") 117 Tonawanda, Buffalo, N. Y.
Hettrick Mfg. Co., Toledo, O.
Minneapolis Bedding Co. (Steel), 5th & Hennekin, Minneapolis, Minn.
Norfolk Mattress Co., Norfolk, Va.
Ohio Spring Bed Co. (Woven Wire), 1281 E 38th, Cleveland, O.
Premier Bed & Spring Co., 2401 17th, San Francisco, Cal.
Silver Mfg. Co. ("20-25"), No. 256, Salem, Ohio
Stonebridge C. H. Mfg. Co., 23 Warren, New York
Southern-Rome Co. ("Romelink"), 623 W Pratt, Baltimore, Md.
Sun Mfg. Co., Columbus, O.
Three Leaf Cot Mfg. Co., Sunnyvale, Cal.
Telescope Cot Bed Co. ("Handy" Telescope Cot Bed), 874 Broadway, New York
Tucker Duck & Rubber Co. ("Peerless"), Fort Smith, Ark.
Zieg F. B. Mfg. Co., Frederickstown, Ohio

3245— Cots (Husking)

Boss Mfg. Co., Kewanee, Ill.

3245a— Cots (Iron)

Haggard & Marcusson Co., 1109 W 37th, Chicago, Ill.
Simmons Co. (Sanitary), Kenosha, Wis.

Cotters (Cellar Box)

See Cotters & Keys, Spring

3246—Cotters & Keys (Spring)

See also Keys, Flat Spring & Riveted

American Chain Co. ("Campbell" Self-Spreading Hammer Lock Cotters), 929 Connecticut, Bridgeport, Conn.
American Steel Co., Park bldg, Pittsburgh, Pa.
Brooks M. S. & Sons (Brass or Steel Cotters & Flat Spring or Riveted Keys), Chester, Conn.
Campbell Andrew C. (Inc.), (Self-Spreading Hammer Lock Cotters), Waterbury, Conn.
Cobb & Drew, Plymouth, Mass.
Gem Stopper Co. ("Gesco"), 2120 Nicholas, Phila, Pa.
Hindley Mfg. Co. ("Columbia" Steel, Brass & Copper Cotters & Flat Steel Spring & Flat Riveted Keys), Valley Falls, R. I.
Hubbard Spring Works, Pontiac, Mich.
Jencks E. Mfg. Co. (Iron & Brass Cotters & Flat Spring Keys), 28 Union, Worcester, Mass.
Lamson & Sessions Co. ("Efficiency" & Flat Spring Keys), 2188H Scranton rd, Cleveland, O.
McWhorter Mfg. Co. ("McWhorter," Pointed), Riverton, N. J.
National Screw & Mfg. Co., 2440 E 75th, Cleveland, O.
See adv index at end of book
Parker Wire Goods Co. (Half Round Spring Wire & Brass Cotters), Worcester, Mass.
Smith F. P. & Co. ("Saco" Steel, Brass & Copper Cotters & Flat Spring), Sharon Hill, Pa.
Wickwire Spencer Steel Corp. 41 E 42nd, New York *See adv index at end of book*
Williams J. H. & Co., 31 Richards, Brooklyn, N. Y.
Washburn Co. (Wire Goods Div.) (Iron & Brass), 28 Union, Worcester, Mass.

3247— Cotton (Absorbent)

American Gauge & Cotton Co., Inc. ("Lilly," "Riverside" & "Hospital"), 406 Market, St. Louis, Mo.
Aseptic Products Co., 237 Borden av, Long Island City, N. Y.
Bauer & Black, 2500 S Dearborn, Chicago, Ill.
Broadbent J. & Son, Unionville, Conn.
Enterprise Garnetting Co., Cohoes, N. Y.
Estes Mills, Fall River, Mass.
Fearon Brown Co. (Imp.), 96 Wall, New York
Graves Frank B. Co. ("Greystone Mills"), Albany, N. Y.
Hygienic Fibre Co., Versailles, Conn.
Johnson & Johnson, New Brunswick, N. J.
Lewis Mfg. Co. ("Curity"), Walpole, Mass.
Mackintosh D. & Sons Co., Holyoke, Mass.
Maplewood Mills ("Excelsior," "Standard," "Hospital," "Sanitary," "Absorbon"), Fall River, Mass.
Seabury & Johnson, 87 Maiden la, New York
Southern Aseptic Laboratories, Columbia, S. C.
Versailles Sanitary Fibre Mills, Versailles, Conn.

3248— Cotton Batting

Atlas Waste Mfg. Co. (For Railroad Car Seats), Cooper av, Brooklyn, N. Y.
Becker Chas. W., Amsterdam, N. Y.
Bowden Bros., Cedar Grove, N. J.
Bridgeport Coach Lace Co. ("Bridgeport"), 813H Wood av, Bridgeport, Conn.
Broadbent J. & Son, Unionville, Conn.
Burkart F. Mfg. Co. (For Top & Trimming Purposes), 4900 N 2d, St. Louis, Mo.
California Cotton Mills Co. (Also Wool Batting), Oakland, Cal.
Clute Bros., Cohoes, N. Y.
Cooper Mfg. Co. (Mfg. & Jobbing, Wholesale Only), 916 S 9th, Waco, Tex.
Graves Frank B. Co., Church & Arch, Albany, N. Y.
Hamlet Mills, Otter River, Mass.
Janesville Batting Mills, Janesville, Wis.
LaCrosse Woolen Mills, LaCrosse, Wis.
Lee Wm. M., Athol, Mass.
Little Falls Fibre Co., Little Falls, N. Y.
Lockport Cotton Batting Co., Lockport, N. Y.
Lowenthal W. & Co., Cohoes, N. Y.
Maish Chas. A Co., 1125 Bank, Cincinnati, O.
Missouri Cotton Yarn Mfg. Co., 300 Lynch, St. Louis, Mo.
National Textile Mfg. Co., Cohoes, N. Y.
New York Cotton Batting Co., Lockport, N. Y.
Niagara Cotton Batting Co., Lockport, N. Y.
Page Mfg. Co., Cohoes, N. Y.
Riverside Mills, Augusta, Ga.
Rock River Cotton Co. ("Crown Jewel"), Janesville, Wis.
Sanders, Smith & Co., Charlotte, N. C.
Smith Oscar & Sons Co., C & Clearfield, Phila., Pa.
Standard Textile Co., Glens Falls, N. Y.
Stearns & Foster Co., Wyoming & William, Lockland, O.
Stockport Fibre Co., Stockport, N. Y.
Troy Waste Mfg. Co., Troy, N. Y.
Tuscaloosa Mills, Tuscaloosa, Ala.
Union Wadding, Pawtucket, R. I.
Westport Mfg. Co., Westport, Mass.
Woll F. P. & Co., Church & Tacony, Phila., Pa.
Worley Bros., Mohnton, Pa.

3249— Cotton (Calking)

Bishop Robert Mfg. Co., 157 W 6th, So. Boston, Mass.
Estes Mills ("Star," "No. 2"), Fall River, Mass.
Galbraith C. C. Son, 117H West, New York
Hooper, Wm. E. & Sons Co., 3502 Parkdale av, Baltimore, Md.
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Massasoit Mfg. Co. ("Susses" "Bristol" "Security" "Excel"), 136H Pocasset, Fall River, Mass.
Richards Fred J., 32 Lakeside, Springfield, Mass.
Stratford Geo. Oakum Co., Cornelison av, Jersey City, N. J.
Westport Mfg. Co., Westport, Mass.

3250— Cotton Compresses

Barrell Wm. L. Co., 50 Leonard, New York
Birmingham Mach. & Fdry. Co., 3700H 10th, Birmingham, Ala.
Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Dickson Car Wheel Co., Houston, Tex.
GALLAND-HENNING MFG. CO., 26th av & Montana, Milwaukee, Wis.
See adv index at end of book
Keystone Refractories Co. Inc. ("Dura-Stif"), 120 Liberty, New York
Pusey & Jones 1000-3000 tons), H, Poplar, Wilmington, Del.
Reading Iron Co., Reading, Pa.
Webb Press Co. (Ltd.), Minden, La.

3251—Cotton Duck & Canvas

Alabama Cotton Mills (36 Inch), Speigner, Ala.
Alexander City Cotton Mills (Narrow, Flat Duck), Alexander City, Ala.
Anchor Duck Mills (Wide Duck), Rome, Ga.
Aragon Mills, Aragon, Ga.
Arthur Smith F. Co., 141 Spring, New York
Ashcraft Cotton Mills (Dress Ducks), Florence, Ala.
Augusta Factory (27 to 40 Inch), Augusta, Ga.
Barrell Wm. L. Co., 50 Leonard, New York
Boott Mills (High Grade Duck), Lowell, Mass.
Boston Duck Co., Bondsville, Mass.
Boston Woven Hose & Rubber Co. (Hose & Belting Duck for Own Use), Cambridge, Mass.
Boyle John & Co., 112H Duane, New York
Brighton Mills (Sail, Tire & Hose Duck, Mechanical Fabrics, etc, of "S I" Eg. & Am. Cotton), Passaic, N. J.
Brookside Mills (Wide & Narrow Duck), On K & O Ry, Knoxville, Tenn.
California Cotton Mills Co., Oakland, Cal.
Chicago Mica Co. (Oiled Duck & Oiled Canvas), Campbell, Valparaiso, Ind.
See adv index at end of book
Chicopee Mfg. Corp. (Wide & Narrow), Chicopee Falls, Mass.
Cochran Cotton Mill Co. (Wide & Narrow), Cochran, Ga.
Connecticut Mills Co. (Tire Fabrics & Special Duck), Danielson, Conn.
Corsicana Cotton Mills (Narrow & Flat Duck), Corsicana, Texas
Couch Cotton Mill Co. Inc., Atlanta, Ga.
Crown Cotton Mills (Broad & Narrow), Dalton, Ga.
Dallas Cotton Mills (Narrow Single Filling Duck), Dallas, Texas
Daniel C. R., Inc., 115 South, New York
See adv index at end of book

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Denison Cotton Mill Co. (29 to 72 Inch Duck), Denison, Texas
Dixie Cotton Mills (Wide & Narrow Flat Thread Duck), La Grange, Ga.
Dunson Mills (Wide & Narrow), La Grange, Ga.
Elm City Cotton Mills (Wide), La Grange, Ga.
Enterprise Cotton Mills (Wide & Narrow Flat Duck), Enterprise, Ala.
Falls Co. (Narrow Duck), Norwich, Conn.
Fitchburg Duck Mills (Sail, Army, Number, Belting & Hose Duck & Stitched Belting Duck, etc.), Fitchburg, Mass.
Fitzgerald Cotton Mills (Wide), Fitzgerald, Ga.
Floyd Cotton Mills (Wide & Narrow Flat Duck), Rome, Ga.
Fulton Bag & Cotton Mills (Waterproof & Mildewproof Duck), Atlanta, Ga.
Gary James S. & Son (Heavy Duck), American bldg, Baltimore, Md.
Globe Cotton Mills (36, 40 and 52 inch), Augusta, Ga.
Gonzales Cotton Mill Co. (36 Inch Duck), Gonzales, Texas
Gordan Supply Co. (Wide & Narrow Duck Only), 537 Albany, Boston, Mass.
Goss J. C. Co. (Sanitary Cotton Duck), 86 E Woodbridge, Detroit, Mich.
Hall, Lincoln & Co. (Heavy Duck), 154 Milk, Boston, Mass.
Handley W. A. Mfg. Co. (Wide), Roanoke, Ala.
Hettrick Mfg. Co., Toledo, O.
Hillsboro Cotton Mills (6 to 12 oz. Duck, 29 to 44 Inches Wide), Hillsboro, Texas
Hoffman-Corr Mfg. Co., 312 Market, Phila., Pa.
Holt, Gant & Holt Cotton Mfg. Co. (Colored Duck for Workingmen's Clothes), Elon College, N. C.
Hooper Sons Mfg. Co., Dept. H, Juniper & Cherry, Phila., Pa.
Hooper Wm. E. & Sons, ("Hooperwood"), 3502 Parkdale av, Baltimore, Md.

(Continued on following page)

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Cotton Duck & Canvas—Continued

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Imperial Cotton Mills Co., 1850 N Main Los Angeles, Cal.
Itasca Cotton Mfg. Co. (36 Inch Dress Duck), Itasca, Texas
Lane J. H. & Co. (Jobbers), 250 W 57th, New York
Lanett Cotton Mills (Wide & Narrow), West Point, Ga.
Lawrence Duck Co., Lawrence, Mass.
Manchester Cotton Mills (Wide & Narrow Light Duck), Manchester, Ga.
Meritas Mills (Wide), 320 B'way, New York
Meyer John F. Tire Duck Co. (Duck for Tires, 54 to 90 in.), 168 Clinton, Newark, N. J.
Milstead Mfg. Co. (Wide Heavy Duck), Milstead, Ga.
Montgomery Cotton Mills (Wide Duck), Montgomery, Ala.
Monticello Cotton Mills (Wide & Narrow Twisted & Single Filling Duck), Monticello, Ark.
Morris & Co. (Wide & Narrow), Groveville, N. J.
Mt. Vernon Woodberry Mills Inc. ("Mt. Vernon" & "Woodberry" Army, Sail & Wide, "Druid" Sail "Selkerk" Double Filling & "Hartford" Single Filling Duck), 506 Continental bldg, Baltimore, Md.
New York Mills Corp. (Wide & Narrow Duck), New York Mills, N. Y.
Palmetto Cotton Mills (Wide & Narrow Single Filled Duck), Palmetto, Ga.
Passaic Cotton Mills (Up to 72 Inches. Tire & Hose Fabrics), 120 B'way, New York
Pelham Mfg. Co. (7 to 14 oz, 29 to 42 Inches Wide), Pelham, Ga.
Piedmont Cotton Mills (Wide), Egan, Ga
Putnam Mills & Power Co. (Flat & Twisted Broad Ducks), Eatonton, Ga.
Riverdale Cotton Mills (Wide & Narrow), West Point, Ga
San Antonio Tent & Awning Co. (Cotton duck), 129H Military Plaza, San Antonio, Tex.
Savage Mfg. Co. (Wide & Narrow), Savage, Md.
Sherman Mfg. Co. (7 to 15 oz. Single Filling High Grade Duck, Cotton on Duck Only), Sherman, Texas
Sibley Mfg. Co. (Wide & Narrow), Augusta, Ga.
Smith D. B. Sons Co., Pine Meadow, Conn.
Stanley Wm. W., 62 White, New York
Summerville Cotton Mills Co. (Wide & Narrow Duck, 8 to 14 oz), Summerville, Ga.
Sylvan Cotton Mills (Wide & Narrow), Shelbyville, Tenn.
Tallassee Falls Mfg. Co., Tallassee, Ala.
Textile Products Mfg. Co. ("Noxall" & "Sterling"), 1332 Dolman, St. Louis, Mo.
Thistle Mills (Wide & Narrow Duck), Ilchester, Md.
Thomaston Cotton Mills (Wide & Narrow Flat Duck, 4 to 8 oz), Thomaston, Ga.
Thorndike Co. (Awning Stripes, etc), Thorndike, Mass.
Towar Consolidated Mills Co., Niles, Mich.
Turner J., Spencer Co. (Sales Agents Consol Cotton Duck Co.), 24 Thomas, New York
Unity Cotton Mills (Wide & Narrow Heavy Duck; also Belting, Hose, Sail Cloth & Packing Duck), La Grange, Ga.
Virginia Consolidated Milling Co. (Wide & Waxahachie Cotton Mills (Wide & Narrow Flat Duck), Waxahachie, Texas
Wellington, Sears & Co. (Jobbers, Ducks for Belting, Hose, Sails, Harvesters, etc; also Awning Stripes, Canvas for Wagon Tops, etc. & Bunting), 93 Franklin, Boston, Mass.
West Point Mfg. Co. (Wide & Narrow Hose & Belting Duck), Westpoint, Ga
Willingham Cotton Mills (Wide Numbered Hose, Belting & Sail Duck), Macon Ga.

Cotton Gins

See Cotton Ginning Machinery

3252— Cotton (Jewelers')

Lewis Mfg. Co. ("Curity"), Walpole, Mass
Maplewood Mills, Fall River, Mass.

3252a— Cotton (Lacquer)

HERCULES POWDER CO. (Wet with Denatured Alcohol), Wilmington, Del.

3253— Cotton (Soluble)

Anderson Chemical Co., Wallington, N J
Celluloid Zapon Co., 247 Park av, New York
Chemical Products Co. (Non-Explosive also Solutions & Films), 44K, S Boston, Mass.
Cooper Chas. & Co., 194 Worth, New York
DU PONT E. I. DE NEMOURS & CO. INC. (Chemical Products Div.), (See Adv at Chemicals), Parlin, N. J.
See adv index at end of book
Erkenbrach Geo. A. Co., 115 Maiden la, New York
HERCULES POWDER CO. (Wet with Denatured Alcohol), Wilmington, Del.
Maas & Waldstein Co., 92 William, New York

3254—Cotton (Spun Calking)

Bishop Robt. Mfg. Co., 157 W 6th, South Boston, Mass.

3255— Cottonades

Brown's G. Sons, Mount Joy, Pa.
Carhartt Hamilton Cotton Mills, Rock Hill, S C.
Eagle & Phenix Mills, Columbus, Ga.
Falls Co., Norwich, Conn.
Griffin Mfg. Co., Griffin, Ga.
Hamburger Cotton Mills, Columbus, Ga.
Jones H. C. Co., Conshohocken, Pa.
Thorndike Co., Thorndike, Mass.
White-Williamson Co., Graham, N. C.
Whittenton Mfg. Co., Taunton, Mass.

3256—Couch Leg Attachments

Weber-Knapp Co., Jamestown, N. Y.

3257— Couches (Steel)

American Bed Co., 1820H Park av, St Louis, Mo.
Fort Pitt Bedding Co., Dept. H, Liverpool & Preble av, Pittsburgh, Pa.
Newark Spring Mattress Co., 84 Madison, Newark, N. J.
Ohio Spring Bed Co. (Sanitary Wire), 1281 E. 38th, Cleveland, O.
Schomer Henry Co. (Sanitary), 1814 S Kilbourn av, Chicago, Ill.
Simmons Co (Sanitary), Kenosha, Wis.

3258— Coumarin

Commonwealth Chemical Corp., 25 W 43rd, New York
Mathieson Alkali Works Inc. The, 25 W 43rd, New York
See adv index at end of book

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Monsanto Chemical Works, East St. Louis Plant, St. Louis, Mo.

3260— Counterbores

Ampco Twist Drill & Tool Co., 18th & Howard, Detroit, Mich.
Bickford-Switzer Co. ("Cutwell"), 50H Norwood, Greenfield, Mass.
Cleveland Cutter & Reamer Co. The, 7410 Madison, Cleveland, O.
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O. *See adv index at end of book*
Clough R. M. (For Round Head Cap Screws, etc), Tolland, Conn.
Detroit Twist Drill Co., 555 Fort, Detroit, Mich.
Glenzer J. C. Co. ("Utility" Interchangeable & Invertable), 3H 14th, Detroit, Mich.
Kendrick-Davis Co. ("K.-D." Jewelers), Lebanon, N. H.
Manufacturers Machine Products Co. (Quick & Interchangeable), 1320 Mt. Elliott av, Detroit, Mich.
Moback Tool & Machine Mfg. Co. ("Moback," Inserted), 330 Atlantic av, Boston, Mass.
Morse Twist Drill & Machine Co. ("Morse" Solid, Adjustable & Interchangeable Blades & Guides), New Bedford, Mass.
NATIONAL TOOL CO. ("National-Cleveland"), Cleveland, O.
See adv index at end of book
National Twist Drill & Tool Co. ("National," Solid), Detroit, Mich.
New Britain Tool & Mfg. Co., New Britain, Conn.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Standard Tool Co., 6700 Central av, Cleveland, O.
Wells Corporation, The ("Cutwell"), 15 Arch, Greenfield, Mass.
See adv index at end of book

3261—Counters (Boot & Shoe)

Appleton Counter Co., Haverhill, Mass.
Archibald F. Co., Haverhill, Mass.
Bennett Wm. H. Co., Lynn, Mass.
Bicknell Geo. H. Co., Weymouth, Mass.
Bodwell Counter Co., Haverhill, Mass.
Brockton Heel Co., Brockton, Mass.
Cadwallader, Dougherty & Co., 239 Race Phila., Pa.
Doyle & Downey, Newburyport, Mass.
Durkee Counter Co., Haverhill, Mass.
Durland Counter Co., Lynn, Mass.
Eagle Counter & Leather Co., Hulbert & Freeman, Cincinnati, O.
Eagleton Bros., Lynn, Mass.
Filoon V. & F. W. Co., Brockton, Mass
Gardiner, Beardsell & Co., 28 Lincoln, Boston, Mass.
Globe Counter Co., Haverhill, Mass.
Goddard F. A. & Co., Lynn, Mass.
Hanover Heel & Innersole Co., Hanover, Pa.
Hanscom Frank W., Haverhill, Mass.
Harris-Wheaton Co., 157 Pearl, Boston, Mass.
Harwood Counter Co., Lynn, Mass.
Hickey Michael J. & Co., Haverhill, Mass
Hopkins R. C., Lynn, Mass.
Hudson Counter Co., Hudson, Mass.
Johnson Chas. H., Lynn, Mass.
Johnson T. C. & Sons, Lynn, Mass.
Lacroix W. & E. W., Lynn, Mass.
London Geo. G. Mfg. Co., Lynn, Mass.
Lovett Solon, Beverly, Mass.
Lyons Counter Co., Lynn, Mass.
McManus C. H. & Co., Lynn, Mass.
McNamara L. F. Co., Haverhill, Mass.
Manning John A. Paper Co., Troy, N. Y.
Milwaukee Counter Co., 246 Pearson, Wilwaukee, Wis.
Morton & Son Co., Rochester, N. Y.
Mosser J. K. Co., Williamsport, Pa.
Mousam Counter Co., 121 Beach, Boston, Mass.
Munsey Shank & Counter Co., Lynn, Mass.
National Fibre Board Co., 121 Beach, Boston, Mass.
Newburyport Counter Co., Newburyport, Mass.
Pierce C. S. Co., Brockton, Mass.
Puritan Counter Co., Brockton, Mass.
Rogers Fibre Co. ("Horn Fibre" Fibre), 121 Beacon, Boston, Mass.
See adv index at end of book
Smith P. J. Co., Salem, Mass.
Spaulding Fibre Company, Inc., Tonawanda, N. Y.
See adv index at end of book
Standard Heel & Counter Co., Carr & 11th, St. Louis, Mo.
Sumner A. B. & Son, Lynn, Mass.
Sumner Counter Co., Haverhill, Mass.
Tasker Geo. F., Haverhill, Mass.
Vaughn J. T., Haverhill, Mass.
Webster, Geo. H., Haverhill, Mass.
Wilder & Co., 1038 Crosby, Chicago, Ill.
Worcester Counter Co., 356 Franklin, Worcester, Mass.
Young & Sampson, Lynn, Mass.

3262—Counters (Chart Room Revolution)

McNab Co. ("McNab"), Bridgeport, Conn.

3263—*Counters (Combination Counter & Watch)

American Schaeffer & Budenberg Corp., Berry & S 5th, Brooklyn, N. Y.

3264—Counters (Engine Revolution)

Bristol Co. ("Bristol's"), Waterbury, Conn.
See adv index at end of book
Ernst Montrose, 149 Church, New York
McNab Co. ("McNab"), Bridgeport, Conn.

3265—*Counters for Paper Machines

American Schaeffer & Budenberg Corp., Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book

3266—*Counters for Reciprocating Motion (Square Case & Round Case)

American Schaeffer & Budenberg Corp., Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book
Ernst Montrose, 149 Church, New York

3267—*Counters (Mechanical)

PLUMB D. S., 73-77 Norfolk nr Central av, Newark, N. J.
See adv index at end of book

3268— Counters (Pole)

Benton Mfg. Co., 9 Bethune, New York
Durant Mfg. Co., Milwaukee, Wis.
International Register Co., 15 Throop, Chicago, Ill.
New York Standard Watch Works, 403 Communipaw av, Jersey City, N. J.
Veeder Mfg. Co. ("Veeder" Hand Lobey), Hartford, Conn.
Western Electro-Mechanical Co. (Electric), 461 2nd, Oakland, Cal.

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3269—*Counters (Recording)

See also Indicators, Speed

American Pedometer Co. ("Empire" Automatic), New Haven, Conn.

3269a—Counters (Refrigerator Display)

Donn Mfg. Co., 920 S 1st, San Jose, Cal.
Elkins Refrigerator & Fixture Co., Elkins, W. Va.
Krotzer & Olin, 547 4th, San Diego, Cal.
Lorillard Refrigerator Co., S R R & Mechanic, New York
Marshall Jas. J. Mfg. Co., 452 Hoyt, Portland, Ore.
McCray Refrigerator Co., 6655 Lake, Kendallville, Ind.
Mowat Refrigerator Co., 25 Oak Grove av, San Francisco, Cal.
Oakland Refrigerator & Butchers Supply Co. (Cold Storage), 1616 E 12th, Oakland, Calif.
Seeger Refrigerator Co., Arcade & Wells, St. Paul, Minn.

3270—Counters (Revolution)

See also Indicators, Speed

American Schaeffer & Budenberg Corp., Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book
Belden Mfg. Co. (For Magnet Winding Machines), 2316 S Western av, Chicago, Ill.
BRISTOL CO. ("Bristol"), Waterbury, Conn. *See adv index at end of book*
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
Cummings Ship Instrument Works ("Cummings" Averaging), 255 Atlantic av, Boston, Mass.
Durant Mfg. Co. ("Durant" "Productimeter"), Milwaukee, Wis.
Durbrow & Hearne Mfg. Co. (For Printing Presses, etc), 12 Wooster, New York
Ernst Montrose, 149 Church, New York
McNab Co. ("McNab" Pneumatic), Bridgeport, Conn.
Richardson Scale Co. ("Richardson" Reciprocating), Passaic, N. J.
Root Chas. J. Co. ("Bristol," "Elm City" & "Roco"), Bristol, Conn.
Star Brass Mfg. Co. ("Star" Round Case), 53 Oliver, Boston, Mass.
Veeder Mfg. Co. ("Veeder"), Hartford, Conn.
Zaubitz August ("Zaubitz"), 95 Cliff, New York

3271-2—*Counters (Short Stroke for Pumps)

American Schaeffer & Budenberg Corp., Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book
Ernst Montrose, 149 Church, New York

Counters (Store)

See Store & Bar Fixtures
See also Store Furniture & Fixtures

3273— Countershafts

Almond T. R. Mfg. Co. ("Almond" Right Angle Quarter Turn), Ashburnham, Mass.
American Tool & Machine Co., 10 High Boston, Mass.
Bardons & Oliver (Double Friction), Cleveland, O.
Birkle Machine Works, 128 E Clinton, Chicago, Ill.
Bond Foundry & Machine Co., Manheim, Pa.
Brown & Sharpe Mfg. Co., Providence, R.I.
Builders Iron Foundry ("Universal Pull"), 9 Codding, Providence, R. I.
Caldwell W. E. Co., Louisville, Ky.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Clizbe Bros. Mfg. Co. (Light), Plymouth, Ind.
Clizbe Bros. Mfg. Co., Plymouth, Ind.
Cresson-Morris Co., Allegheny & 18th, Phila, Pa.
Diamond Machine Co. ("Diamond," "Standard," "Universal Pull"), Providence, R. I.
Dodge Mfg. Corp., Mishawaka, Ind.
Elgin Tool Works ("Elgin" for Precision Tools), Elgin, Ill.
Frederick Machine Works (Rope Pull), Norwalk, O.
Garvin Machine Co., 147 Varick, New York
Goodell-Pratt Co. (For Small Machinery), Greenfield, Mass.
Hanson Clutch & Machy Co., Tiffin, O.
Hill Clutch Machine & Foundry Co., W 65th, Cleveland, O.
Lane Mfg. Co., Montpelier, Vt.
Le Blond R. K. Machine Tool Co., Cincinnati, O.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Lodge & Shipley Machine Tool Co., 3055 Colerain, Cincinnati, O.
Nordyke & Marmon Co., Ky. av & Morris, Indianapolis, Ind.
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
North Wales Machine Co., North Wales, Pa.
Norton Co., 25 Barbers Cross, Worcester, Mass.
Quint A. D., 8 Clinton, Hartford, Conn.
Standard Pressed Steel Co. (Complete), Jenkintown, Pa.
Standard Pulley Co., 1734 Power, Cincinnati, O.
Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.
Stow Mfg. Co., Inc., Binghamton, N. Y.
See adv index at end of book
Union Lathe Wks., York, Pa.
Universal Winding Co. ("Leesona"), Boston, Mass.
Wood's T. B. Sons Co., Chambersburg, Pa.

3274—Countershafts (Bench Lathe)

American Tool Co., Boston, Mass.
Hardinge Bros. Inc., 1770 Berteau av, Chicago, Ill.
Moseley Lathe Co., Elgin, Ill.
Stark Tool Co., Waltham, Mass.
Wade H., 311 Atlantic av, Boston, Mass.
Wood's T. B. Sons Co., Chambersburg, Pa.

3275—Countershafts (Variable Speed)

Cushman Electric Co. ("Cushman" Motor Driven), Concord, N. H.
Evans Friction Cone Co., Newton Center, Mass.
Goodman Mach. & Tool Co., 50 Church, New York
Holmes E. & B. Machinery Co., 59 Chicago, Buffalo, N. Y.
Wood's T. B. Sons Co., Chambersburg, Pa.

3276— Countersinks

Ampco Twist Drill & Tool Co., 18th & Howard, Detroit, Mich.
Atlas Engng. Co., Lincoln, Neb.
Bagshaw & Field (Rose, Flat & Small head), 445 N 5th, Phila., Pa.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Buck Bros. (Flat, Rose & Snail), Milbury, Mass.
Buffum Tool Co. ("Swastika," Flat & for Iron), South Side, Louisiana, Mo.
Butterfield & Co., Derby Line, Vt.
Clark Equipt. Co. ("Celfor"), Buchanan, Mich.
Cincinnati Tool Co. ("Hargraves" Adjustable), Main & Waverly av, Cincinnati, Ohio
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O. *See adv index at end of book*
Davidson Tool Mfg. Corp., 347 Madison av, New York
Detroit Twist Drill Co. (Bit Stock), 555 Fort, Detroit, Mich.
Deuse J. S. (Wood & Iron), Chester, Conn.
Forest City Bit & Tool Co., Rockford, Ill.
Goodell-Pratt Co., Greenfield, Mass.
Greenlee Bros. & Co., 12th, Rockford, Ill.
Grenfield Tap & Die Corp. ("G. T. D." for Bit Brace & Machine Use), Greenfield, Mass.

(Continued on following page)

Countersinks—Continued

Jennings C. E. & Co., 71 Murray, New York
Kilborn & Bishop Co., 194 Chapel, New Haven, Conn.
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Mayhew H. H. Co., Shelburne Falls, Mass.
Morse Twist Drill & Machine Co. ("Morse" Bit Stock & Combined Drills & Countersinks, Dept. H, New Bedford, Mass.
Polk A. J. & Son Co. (For Drilling Machines, etc), Millersburg, Pa.
Pugh Job T., 31st & Ludlow, Phila., Pa.
Robinson M. W. Co. ("Smith's" Patent Adjustable for Wood Workers), 296 B'way, New York
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Smith Otis A. (For Wood Workers), Rockfall, Conn.
Snell Mfg. Co., Fiskdale, Mass.
Standard Tool Co., 6700 Central av, Cleveland, O.
Stanley Rule & Level Co., New Britain, Conn.
Star Bit & Tool Co., Rockford, Ill.
Starrett L. S. Co. (Double Tip, etc.), Athol Mass.
Stortz John & Son, 210 Vine, Phila., Pa.
Swan Jas. Co., Seymour, Conn.
Syracuse Twist Drill Co. ("Syracuse" Flat Bit Stock, Clarks Wood & Machine), 936H Grape, Syracuse, N. Y.
Tuck Mfg. Co. (Rose, Flat), Brockton, Mass.
Vaughan & Bushnell Mfg. Co. ("V & B," Cast Steel), 2114 Carroll av, Chicago, Ill.
WAYNE TOOL MFG. CO. ("Wayne"), Waynesboro, Pa.
WHITMAN & BARNES MFG. CO. (Bit Stock), Akron, O.
See adv index at end of book
Wood Morris & Son (Loose Center), 5108 W Lake, Chicago, Ill.

3277—Countersinks & Center Drills Combined

Ampco Twist Drill & Tool Co., 18th & Howard, Detroit, Mich.
Cleveland Twist Drill Co., 1 E 49th, Cleveland. *See adv index at end of book*
Detroit Twist Drill Co., 555 Fort, Detroit, Mich.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
National Twist Drill & Tool Co., Detroit, Mich.
Republic Tool & Mfg. Co., 1401 W 9th, Cleveland, O.
Slocomb J. T. Co., 35 Oxford, Providence, R. I.
Standard Tool Co., 6700 Central av, Cleveland, O.
Syracuse Twist Drill Co. ("Syracuse"), Borden av, Syracuse, N. Y
Union Twist Drill Co., Athol, Mass.
Whitman & Barnes Mfg. Co., Akron, O.
See adv index at end of book

3278— Couplers (Car)

American Steel Foundries ("Simplex"), McCormick bldg, Chicago, Ill.
Buckeye Steel Castings Co. (Cast Steel), Columbus, O.
Easton Car & Construction Co. (Link, Pin & Automatic), 36 Holley, Easton, Pa.
See adv index at end of book
Gould Coupler Co. ("Gould"), 30 E 42nd, New York
Hamilton Wm. Sons Car Co., Newark, O.
McConway & Torley Co. ("A. R. A.," "Janney X," "Janney," "Penn," "Nemo," & "Pitt," Made from Open Hearth Cast Steel), 48th & A. V. R. R., Pittsburgh, Pa.
Michigan Malleable Iron Co., Delray, Detroit, Mich.
Monarch Steel Castings Co. ("Monarch," Solid "Detroit" Couplers & Coupler Attachments), Solway & Wab. R. R., Detroit, Mich.
National Car Coupler Co. ("Hinson," "National" Freight, Passenger & Industrial Cars), 332 S Michigan av, Chicago, Ill.
National Malleable Castings Co. ("Tower," "Climax," "Sharon," "Latrobe," "Munton," "Melrose," "Chicago" & "M. C. B."), 7706 Plattar, S. E., Cleveland, Ohio
Ohio Brass Co. ("Tomlinson"), Mansfield, O.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Sanford-Day Iron Works (Cushion), Knoxville, Tenn.
Standard Coupler Co. ("Standard"), 110 E 42nd, New York
Stark Car Coupler Corp. ("Stark" Automatic), Strasburg, Va.
Van Dorn Coupler Co. (Automatic), 2325 S Paulina, Chicago, Ill.

3279— Couplers (Dog)

Columbia Machine Wks. & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.
Niagara Falls Metal Stamping Works ("Prema" Special), Niagara Falls, N. Y.

3280— Couplers (Radio)

Adams Morgan Co., Upper Montclair, N. J.
Air Way Electric Appliance Corp., 618 B'way, Toledo, O.
Am. Brass Products Co., Radio Division Pottstown, Pa.
Am. Radio & Research Corp., 203 College av, Medford Hillside, Mass.
Atwater Kent Mfg. Co., 4937 Stenton av, Phila., Pa.
Bliss R. W. Co., Atlantic, Mass.
Bunnell & Co., J. H. Park pl, New York
Cardwell Allen D. Mfg., 81 Prospect, Brooklyn, N. Y.
Clapp Eastham Co., 139 Main, Cambridge, Mass.
Duck Wm. B. Co., Radio Apparatus, 224 Superior, Toledo, O.
Electric Machine Co., Pratt & Meridian, Indianapolis, Ind.
Elec. Service Supplies Co., 17th & Cambria, Phila., Pa.
Horne Mfg. Co., 243 Mercer, Jersey City, N. Y.
Howard Radio Co. Inc., 451-469 E Ohio, Chicago
See adv index at end of book
Kilbourne & Clark Mfg. Co. ("K. & C."), 101 Spokane, Seattle, Wash.
Lee Electric & Mfg. Co. ("Lemco"), 220 8th, San Francisco, Cal.
Marshall Gerken Co. ("Thoroughbred"), 27 Ontario, Toledo, O.
Murdock Wm. J. Co., Everett av & Carter, Chelsea, Mass.
National Radio Co., Marshall, Minn.
Northwest Radio Service Co. ("Puget"), 1637 Westlake av, Seattle, Wash.
Precision Equipment Co., B & O R R & Blue Rock N S, Cincinnati, O.
Quality Radio Shop Richmond, Ind.
Radio Instrument & Panel Co., Box 85 Cicero, Ill.
Remler Radio Mfg. Co., 248 1st, San Francisco, Cal.
Scheib Elec. Radio Co. ("Serco"), 6243 Station, Pittsburgh, Pa.
Ship Owners Radio Service (Dirs.), 80 Washington, New York
Signal Elec. Mfg. Co., Menominee, Mich.
Waterbury Button Corp., 831 S Main, Waterbury, Conn.
See adv index at end of book
Wilcox Laboratories, 2208 E Mich. av, Lansing, Mich.
Wireless Improvement Co., 66 York, Jersey City, N. J.

3281—Couplers (Shaft, Wagon, Etc.)

See also Anti-Rattlers, Steel

Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
Bradley C. C. & Son Inc. ("Bradley Carriage"), Syracuse, N. Y.
Cleveland Hardward Co., Lakeside av. & E. 45th, Cleveland, O.
Columbus Bolt Works Co., Columbus, O.
Cowles C. & Co., New Haven, Conn.
Eccles, Richards Co. (Drop Forged, Ball Bearing), Auburn, N. Y.
Evans & Coppins Co., Princeton, Ill.
Fernald Mfg. Co. ("Spitzli"), North East, Pa.
Keystone Forging Co. (Drop Forged), Northumberland, Pa.
Queen City Forging Co., Tennyson & Dumont, Columbia, Cincinnati, O.
Smith H. D. & Co., Plantsville, Conn.
Union Forging Co. (Straight Bar), Union, N. Y.

3282—Couplers (Steam & Air Hose)

See also Couplings, Hose

Claflin C. A. Co. ("Noblok," "Sure Hold," "Push & Turn"), 60H Pearl, Boston, Mass.
Consolidated Car Heating Co. ("Sewell" Steam), Dept. H, Albany, N. Y.
Goodall Rubber Co., 8th & Locust, Phila., Pa.
Hunt C. B. & Son, McKinley av, Salem, O.
See adv index at end of book
Independent Pneumatic Tool (Air Hose), 600 W Jackson blvd, Chicago, Ill.
Manitowoc Ship Building Co. ("Gunnell," Automatic), Manitowoc, Wis.
Powell Wm. Co., 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Railway Utility Co. ("Utility" High Pressure), 721 Fulton, Chicago, Ill.
Rauch Mfg. Co. ("Eureka," "Reliable"), Galena, Kan.

Couplings (Air Hose)

See Pneumatic Hose Couplings; also Couplers, Steam Hose

3283—Couplings (Bell Cord)

See also Bell Cords & Couplers

Creamer W. G. & Co., 96 John, New York
Dayton Mfg. Co., Dayton, O.
Handlan-Buck Mfg. Co. ("Shelby"), 210-14 N 3rd, St. Louis, Mo.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.

3284— Couplings (Belt)

Greene, Tweed & Co. ("Moran's" Round), 109 Duane, New York
Manufacturers' Belt Hook Co. ("L-X" Round), 1321 W. Congress, Chicago, Ill.
Quadriga Mfg. Co. ("Quadriga" Round Belt), 213 W Grand av, Chicago, Ill.
See adv index at end of book

3285-6—Couplings (Boiler & Water Back)

Acheson Mfg. Co. (Brass), Rankin, Pa.
See adv index at end of book
Burlington Brass Works, Burlington, Wis.
Central Brass Mfg. Co. ("Central"), 6206 Cedar, Cleveland, O.
Crane Co., 836 S Michigan av, Chicago, Ill. *See adv index at end of book*
Exeter Brass Works, Exeter, N. H.
Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, O.
Grabler Mfg. Co. (With Union), Cleveland, Ohio
Haines, Jones & Cadbury Co., 1136 Ridge, Phila., Pa.
Hamilton Jno. Brass Works ("Kitson"), 152 Middleton, Bridgeport, Conn.
Hoffmann & Billings Mfg. Co., 100 2d, Milwaukee, Wis.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Kitson Co. (Boiler), 2815-2827 Oakford Phila., Pa.
Lawler Regulator Co. ("Lawler's" Protector), 453 N Railroad av, Mt. Vernon, New York
McDonald A. Y. Mfg. Co., Dubuque, Iowa
Mueller H. Mfg. Co., Decatur, Ill.
See adv index at end of book
Murdock Mfg. & Supply Co., 426 Plum, Cincinnati, O.
Peck Bros. & Co., New Haven, Conn.
Rundle Mfg. Co., 27th & Wahl, Milwaukee, Wis.
Savill's Thos. Sons, 1310 Wallace, Phila., Pa.
Stebbins E. Mfg. Co., 16 Belvidere, Springfield, Mass.
Trenton Brass & Machine Co. ("Trenton," "Paragon" Inside Screw, Short Tapered, Tapered "Magee" & "New York", Patterns), Trenton, N. J.
Union Metal Works, Chelsea, Mass.
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.

3287— Couplings (Clamp)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Tool & Machine Co., 10 High, Boston, Mass.
Barnard & Leas Mfg. Co. (Shaft), 403 20th, Moline, Ill.
Bond Foundry & Machine Co., Penn, Manheim, Pa.
Brown A. & F. Co., 79 Barclay, New York.
Cresson-Morris Co. (Internal, etc), 18th & Allegheny av, Phila., Pa.
Dodge Mfg. Corp., Mishawaka, Ind.
Hill Clutch Machine & Foundry Co., W 65th, Cleveland, O.
Medart Company The, 3300 De Kalb, St. Louis, Mo. *See adv index at end of book*
Morse A. J. & Son (Inc.), 221 High, Boston, Mass.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Walker Mfg. Co., 2156 15th, Denver, Colo.
Wood's T. B. Sons Co., Chambersberg, Pa.
Wolf Co., Chambersburg, Pa.

3288— Couplings (Closet)

American Brass & Copper Co. (Also Closet Repairs), 138 Lafayette, New York
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Park & McKay, 55 Bagley av, Detroit, Mich.
Republic Rubber Co., Youngstown, O.
Salem Brass & Iron Mfg. Co. (Rubber), Salem, N. J.
Trenton Brass & Machine Co., Trenton, N. J.

3289— Couplings (Clutch)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Tool & Machine Co., 10 High, Boston, Mass.
Bond Foundry & Machine Co., Penn, Manheim, Pa.
Brown A. & F. Co., 79 Barclay, New York
Chain Belt Co. (Spiral, Square, etc.), 746 Park, Milwaukee, Wis.
See adv index at end of book
CONWAY CLUTCH CO., 1960 W 6th, Cincinnati, O. *See adv index at end of book*
Cresson-Morris Co., Allegheny & 18th, Phila., Pa.
Dodge Mfg. Corp., Mishawaka, Ind.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Falls Clutch & Machinery Co., Cuyahoga Falls, O.
Golden's Fdry. & Machine Co., Columbus, Ga.

Grace C. M. Co., Huntsville, Ala.
HANSON CLUTCH & MACHINERY CO., Tiffin, O. *See adv index at end of book*
HILL CLUTCH MACHINE & FOUNDRY CO., W 65th, Cleveland, O.
Hilliard Clutch & Machinery Co. **(Cut-off),** Elmira, N. Y.
JEFFREY MFG. CO., 961 N 4th, Columbus, O.
See adv index at end of book
Jones W. A. Foundry & Machine Co., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
List E. J. Mfg. Co (Positive Grip & Line Shaft), Havana, Ill.
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Morse A. J. & Son Inc., 221 High, Boston, Mass.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
O. K. Clutch & Machinery Co., Hendricks, Columbia, Pa.
Robinson H. Mfg. Co., Muncy, Pa.
Sprout Waldron & Co., Muncy, Pa.
See adv index at end of book
Webster Mfg Co., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.
Wolf Co., Chambersburg, Pa.
Wood's T. B. Sons Co., Chambersburg, Pa.

3290—Couplings (Compression)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Tool & Machine Co., 10 High, **Boston, Mass.**
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Bond Foundry & Machine Co. ("Spiro"), Penn, Manheim, Pa.
Brown A. & F. Co., 79 Barclay, New York Works: Elizabethport, N. J.
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Commonwealth Brass Corp., 5781 Commonwealth av & Ry, Detroit, Mich.
Dole Valve Co. (Double Compression), 1923 Carroll av, Chicago, Ill.
Golden's Fdry. & Machine Co., Columbus, Ga.
Hill Clutch Machine & Foundry Co., W 65th, Cleveland, O.
Hunter James Machine Co., N Adams, Mass.
Imperial Brass Mfg. Co. ("Imperial"), 1200 W Harrison, Chicago, Ill.
JEFFREY MFG. CO., 961 N 4th, Columbus, O.
See adv index at end of book
JONES W. A. FOUNDRY & MACHINE CO., 4442 W Roosevelt rd, Chicago, Ill. *See adv index at end of book*
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
McRae & Roberts Co., 100 S Campbell av, Detroit, Mich.
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Minneapolis Steel & Machinery Co., 2854 **Minnehaha av., Minneapolis, Minn.**
Newton Mfg. Corp. (Solderless), Plainville, Conn.
See adv index at end of book
NICHOLSON W. H. & CO. (Shaft), Wilkes-Barre, Pa.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Plamondon A. Mfg. Co., 5315 S Western blvd, Chicago, Ill.
Royersford Foundry & Machine Co., **Royersford, Pa.**
Shaw Coupling Co., Syracuse, N. Y.
Standard Pressed Steel Co. (Shaft), Jenkintown, Pa.
Stuart R. J. & T. H. (Wedge), New Hamburg, N. Y.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book
Western Brass Mfg. Wks., Marshall blvd. & 21st, Chicago, Ill.
Wolf Co., Chambersburg, Pa.
Wood's T. B. Sons Co. (Double Cone, etc), Chambersburg, Pa.

3291— Couplings (Conduit)

American Tube & Pipe Bending Co., 880 E 72nd, Cleveland, O.
Appleton Electric Co. (No Thread), Wellington & Paulina, Chicago, Ill.
Bonnell W. A. Co., 192 Chambers, New York
Burns Jas. F., 713 Cherry, Phila., Pa.
Central Tube Co., First National Bank bldg. Pittsburgh, Pa.
Condit Electrical Mfg. Co. ("Chase" Nipple), 842 Summer, Boston, Mass.
CONWAY CLUTCH CO., 1956 West Sixth, Cincinnati, O.
See adv index at end of book
Enameled Metals Co., 61 Bridge, Pittsburgh, Pa.
Gillette-Vibber Co. ("G. V. Universal"), New London, Conn.
Grabler Mfg. Co. (Fixture Studs), Cleveland, O.
Gwilliam Supply Co., 915 N Front, Phila., Pa.
National Metal Molding Co., 1110 Fulton bldg, Pttsburgh, Pa.
Republic Pipe & Iron Corp., 23 H. Varrick av, Brooklyn, N. Y.
See adv index at end of book
Safety Armorite Conduit Co., West, Pittsburgh, Pa.
Steel City Electric Co. ("Marchand" Flexible Steel), 1207 Columbus av, Pittsburgh, Pa.
Thomas & Betts Co. ("Erickson"), 68 Vesey, New York
Waldo Bros. & Bond Co. ("Felton"), 181 Congress, Dept. H
Wheeling Machine Products Co., Main & 20th, Wheeling, W. Va.
See adv index at end of book

Couplings (Conduit Rod)

See Rods, Conduit Wiring & Cleaning

3292-3— Couplings (Cut-Off)

Allis-Chalmers Mfg. Co. ("A. C." Friction Clutch), Milwaukee, Wis.
See adv index at end of book
American Tool & Machine Co., 10 High, Boston, Mass.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Barnard & Leas Mfg. Co. (Shaft), 403 20th, Moline, Ill.
Bond Foundry & Machine Co., Penn, Manheim, Pa.
Brown A. & F. Co., 79 Barclay, New York
Brown Clutch Co. ("Brown"), Sandusky, Ohio
Brown Engineering Co. ("Mule-Pull" Friction), 110 N 3rd, Reading, Pa.
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Caldwell W. E. Co., Louisville, Ky.
Carruthers & Fithian Clutch Co., Grove City, Pa.
CONWAY CLUTCH CO., 1960 W 6th, Cincinnati, Ohio
See adv index at end of book
Cresson-Morris Co., Allegheny & 18th, Phila., Pa.
Decatur Fdry Furnace & Machine Co., Decatur, Ind.
Eastern Machinery Co., New Haven, Conn.
Edgemont Machine Co., Dayton, O.
Falls Clutch & Machy. Co., Cuyahoga Falls O.
Hanson Clutch & Machy. Co., Tiffin, O.
Hess-Snyder Co., Massillon, O.
HILL CLUTCH MACHINE & FOUNDRY CO., W 65th, Cleveland, O.
Hilliard Clutch & Machy. Co., Elmira, N. Y.
JEFFREY MFG. CO., 961 N 4th, Columbus, O.
See adv index at end of book
Johnson Carlyle Machine Co. ("Johnson"), Manchester, Conn.
JONES W. A. FOUNDRY & MACHINE CO., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Minster Machine Co., Minster, O.
Moore & White Co., N 15th & Lehigh av, Phila., Pa.
O. K. Clutch & Machy. Co., Columbus, Pa.
Poole Engineering & Machine Co., Woodbury Station, Baltimore, Md.
Walker Mfg. Co. (Patent Balanced), Denver, Colo.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, O.
Westlund C. G. Co. ("Star Safety," "Westlund Split"), 298 Millbury, Worcester, Mass.
Wolf Co., Chambersburg, Pa.
Wood's T. B. Sons Co. ("Universal Giant" Friction Clutch), Chambersburg, Pa.

3294—Couplings (Expansion)

Elkhart Brass Mfg. Co. (Expansion Ring), Elkhart, Ind.
Howell F. R. Brass Works, 132 N Franklin, Phila., Pa.
Jones Jas Co., 201 Leroy, Los Angeles, Cal.
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
See adv index at end of book
Morse A. J. & Son, Inc., 221 High, Boston, Mass.
Seattle Brass Co., 4001 7th av S, Seattle, Wash.

3295— Couplings (Flange)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Tool & Machine Co., 10 High, Boston, Mass.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Bond Foundry & Machine Co., Penn, Manheim, Pa.
Brown A. & F. Co., 79 Barclay, New York.
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Caldwell W. E. Co., Louisville, Ky.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Chicago Pulley & Shafting Co., 29 N Desplaines, Chicago, Ill.
Cumberland Steel Co., Cumberland, Md.
Eastwood Benj. Co., Paterson, N. J.
Golden's Fdry. & Machine Co., Columbus, Ga.
Grace C. M. & Co., Huntsville, Ala.
Great Western Mfg. Co., Leavenworth, Kan.
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
Hanson Clutch & Machy. Co., Tiffin, O.
Hill Clutch Co., W 65th, Cleveland, O.
Hunt Rodney Mach. Co., Orange, Mass.
Jefferson Union Co. ("Jefferson"), Lexington, Mass.
JEFFREY MFG. CO., 961 N 4th, Columbus, O.
See adv index at end of book
Jones W. A. Foundry & Machine Co., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Minneapolis Steel & Machinery Co., 2854 Minnehaha av., Minneapolis, Minn.
Morse A. J. & Son, Inc., 221 High, Boston, Mass.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Pittsburgh Valve, Foundry & Construction Co., 26th & A V R R, Pittsburgh, Pa.
Poole Engineering & Machine Co., Woodbury Station, Baltimore, Md.
Walworth Mfg. Co., 82H Pearl, Boston, Mass.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book
WILCOX CRITTENDEN & CO. INC. (For Marine Motors), 444 S Main, Middletown, Conn. *See adv index at end of book*
Wolf Co., Chambersburg, Pa.
Wood's T. B. Sons Co., Chambersburg, Pa.

3296— Couplings (Flexible)

Aldrich Pump Co., Fortg Pine, Allentown, Pa.
Allen & Billmyre Co. Inc., Grand Central Palace, New York
See adv index at end of book
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Bartlett Hayward Co. ("Fast"), Scott & McHenry, Baltimore, Md.
BOND CHAS. CO. ("Grundy" Insulated), 617-619 Arch, Phila., Pa.
Bond Foundry & Machine Co., Penn, Manheim, Pa.
Boston Gear Works ("Grundy" Insulated), Norfolk Downs, Quincy, Mass.
See adv index at end of book
Brown A. & F. Co., 79 Barclay, New York.
BROWN ENGINEERING CO. ("Kanti-Lever"), 110 N 3rd, Reading, Pa.
Bruce-Macbeth Engine Co., Cleveland, O.
Chicago Pulley & Shafting Co., 29 N. Desplaines, Chicago, Ill.
Cresson-Morris Co., Allegheny & 18th, Phila., Pa.
DE LAVAL STEAM TURBINE CO., East Trenton, N. J.
See adv index at end of book

Flexible Coupling

Corrects for misalignment of shafts. The flexible medium is pure rubber. No rubbing metallic surfaces, and no oil. Simple to disassemble, cheap to replace parts, quick to disconnect, easy to align, suitable for general service. Ask for Catalog K.

DE LAVAL STEAM TURBINE COMPANY
East Trenton New Jersey
and principal cities

Dexter I. H. Co., 177 Greenwich av, Goshen, N. Y.
Dodge Mfg. Corp., Mishawaka, Ind.
Electric Controller & Mfg. Co., Cleveland, Ohio *See adv index at end of book*

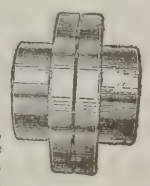
(Continued on following page)

Couplings (Flexible)—Continued

FALK CORP., foot of 30th, Milwaukee, Wis. *See adv index at end of book*
Farnsworth Electrical Works ("Adalt" Detachable Hub), 549 Mission, San Francisco, Cal.
FAWCUS MACHINE CO., 2818-2828 Smallmann, Pittsburgh, Pa.
See adv index at end of book
FRANCKE CO. ("Francke"), 68 Washington st, Newark, N. J.
GENERAL ELEC. CO., Schenectady, N. Y.
See adv index at end of book
Hanson Clutch & Machy Co., Tiffin, O.
Hill Clutch Machine & Foundry Co., W 65th, Cleveland, O.
Hooven, Owens, Rentschler Co. ("Hamilton"), Hamilton, O.
Hunt, Rodney Mach. Co. (Shaft), Orange, Mass.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O. Div.), Worcester, Mass.
See adv index at end of book
JONES W. A. FOUNDRY & MACHINE CO. ("Jones"), 4442 W Roosevelt rd, Chicago, Ill. *See adv index at end of book*
Magneto Attachment Co. ("Matco"), 3608 Park av, New York
Mesta Machine Co. (For Rolling Mills, etc.), Box 1124, Pittsburgh, Pa.
See adv index at end of book

Mesta Machine Company
Pittsburgh, Pa., U. S. A.

Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.
POOLE ENGINEERING & MACHINE CO., Woodberry, Baltimore, Md.
See adv index at end of book
Roots P. H. & F. M. Co., Connersville, Ind.
SMITH & SERRELL ("Francke"), 68 Washington st, Newark, N. J.
See adv index at end of book

FRANCKE
FLEXIBLE COUPLINGS
For Direct-Connected Machines
All Metal
Any Size
Any Power
Any Service

Cushion load shocks, vibrations and provide for misalignments via laminated steel pin units connecting the flanges.
SMITH & SERRELL
68 Washington St. Newark, N. J.

Thermoid Rubber Co. (Fabric), Trenton, N. J.
Thompson Bros. ("Uniflex"), 520 Buttnwood, Phila., Pa.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book
Wood's T. B. Sons Co., Chambersburg, Pa.

3297—Couplings (Flexible Cushion)

Aldrich Pump Co., ft. Pine, Allentown, Pa.
Fawcus Machine Co., 2818-2828 Smallman, Pittsburgh, Pa.
See adv index at end of book
FRANCKE CO. ("Francke"), 68 Washington st, Newark, N. J.
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*

FRANCKE
FLEXIBLE COUPLINGS
For Direct-Connected Machines
All Metal
Any Size
Any Power
Any Service

Prevent misalignment troubles and cushion load shocks via flanges flexibly connected by laminated steel pin units.
SMITH & SERRELL
68 Washington St. Newark, N. J.

Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.
SMITH & SERRELL ("Francke"), 68 Washington st, Newark, N. J.
See adv index at end of book
Snead & Co, Jersey City, N. J.
Thermc'd Rubber Co., Trenton, N. J.

3298—*Couplings (Forged Seamless Steel)

HARRISBURG PIPE & PIPE BENDING CO., Herr, near 10th, Harrisburg, Pa.

3298a— *Couplings (Friction)

HILL CLUTCH MACHINE & FOUNDRY CO., W 65th, Cleveland, Ohio

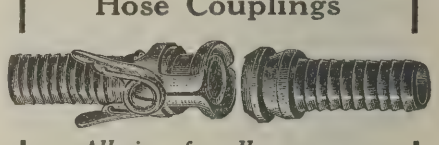
3299—Couplings (Friction Clutch)

Allis-Chalmers Mfg. Co. ("A C"), Milwaukee, Wis.
See adv index at end of book
American Tool & Machine Co., 10 High, Boston, Mass.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Bond Foundry & Machine Co., Penn, Manheim, Pa.
Brown A. & F. Co., 79 Barclay, New York
Brown Clutch Co., Sandusky, O.
BROWN ENGINEERING CO. ("Mule-Pull" Cut Off), 110 N 3rd, Reading, Pa.
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Caldwell W. E. Co., Louisville, Ky.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Chicago Pulley & Shafting Co., 29 N Desplaines, Chicago, Ill.
CONWAY CLUTCH CO., 1960 W 6th, Cincinnati, O. *See adv index at end of book*
Cresson-Morris Co., Allegheny & 18th, Phila., Pa.
Dodge Mfg. Corp., Mishawaka, Ind.
Eastern Machinery Co., New Haven, Conn.
Edgemont Machine Co., Dayton, Ohio
Fairbanks, Morse & Co. ("Eclipse"), 900 S Wabash av, Chicago, Ill.
Falls Clutch & Machinery Co., Cuyahoga Falls, Ohio
Golden's Foundry & Mach. Co., Columbus, Ga
Gump B. F. Co., 431 S. Clinton, Chicago, Ill.
Hanson Clutch & Machy Co., Tiffin, O.
HILL CLUTCH MACHINE & FOUNDRY CO., W 65th, Cleveland, O.
Hilliard Clutch & Machinery Co. (Cut-off), Elmira, N. Y.
Hunt Rodney Mach. Co., Orange, Mass.
JEFFREY MFG. CO., 961 N 4th, Columbus, O. *See adv index at end of book*
Jones W. A. Foundry & Machine Co. ("Lemley"), 4442 W Roosevelt rd, Chicago, Ill. *See adv index at end of book*
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
McMahon & Co., ("McMahon" Cut Off), Water, cor Ledge, Worcester, Mass.
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Morse A. J. & Son, 221 High, Boston, Mass.
Plamondon A. Mfg. Co., 5315 S Western blvd, Chicago, Ill.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Stephens-Adamson Mfg. Co., Aurora, Ill.
Walker Mfg. Co. (Patent Balanced), Denver, Colo.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Wolf Co., Chambersburg, Pa.
Wood's T. B. Sons Co., Chambersburg, Pa.
Woonsocket Machine & Press Co., Woonsocket, R. I.

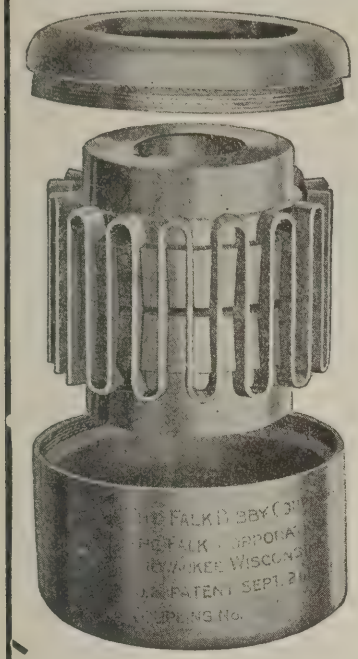
3300— Couplings (Hose)

See also Couplers, Steam & Air Hose; also Pneumatic Hose Couplings

Acme Brass Works, 147 Baxter, New York
Allen W. D. Mfg. Co. (Pneumatic, Rubber for Air, Water, Steam & Suction Hose, Fire Plain & Automatic), 566 W Lake, Chicago, Ill.
Allen & Billmyre Co. Inc., Grand Central Palace, New York
See adv index at end of book
American Brass & Copper Co., 138 Lafayette, New York
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Anderson Coupling & Fire Supply Co. (Automatic), Kansas City, Kans.
Boston Coupling Co. (Fire Hose), 156 Pearl, Boston, Mass.
Boston Woven Hose & Rubber Co., Cambridge, Mass.
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, Ohio
See adv index at end of book
Castle Jas. M. Inc., 1224 Arch, Philadelphia, Pa.
Chicago Tubing & Braiding Co. ("Rex-Bell"), 240 N Clinton, Chicago, Ill.
See adv index at end of book
Clark W. J. Co. ("Quick-as-Wink"), Salem, O.
Clay Jno. H. ("Clay-Jones" Fire Hose), 1320 Ridge av, Phila., Pa.
CLEVELAND PNEUMATIC TOOL CO. ("Bowes" Air Pneumatic), 3734 E 78th, Cleveland, O.
See adv index at end of book
Combination Ladder Co. ("McIntyre"), 381 Fountain, Providence, R. I.
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Duplex Hose Coupling Co., Wilkinsburg, Pa.
Edson Mfg. Corp. ("Edson"), 375H B'way, Boston, Mass.
Elkhart Brass Mfg. Co. ("Cowan," "Fehy;" also Suction Hose), Elkhart, Ind.
Fabric Fire Hose Co., 127 Duane, New York
Goodall Rubber Co., 8th & Locust, Phila., Pa.
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
Handlan-Buck Mfg. Co. ("Lightning" for Compound Air), 210-14 N 3d, St. Louis, Mo.
Haydenville Co., Haydenville, Mass.
Hayward S. F. & Co., 250 W 54th, New York
Helwig Mfg. Co. ("Helwig" Automatic Shut-Off), St. Paul, Minn.
Hoffmann B. Mfg. Co., 257 6th, Milwaukee, Wis.
Hunt C. B. & Son ("Quick-As-Wink"), McKinley av, Salem, O.
See adv index at end of book

"QUICK AS WINK"
Hose Couplings

All sizes for all purposes
C. B. HUNT & SON
McKinley Ave. SALEM, OHIO

Independent Pneumatic Tool Co., 600 W. Jackson blvd, Chicago, Ill.
Jones Jas Co., 201 Leroy, Los Angeles, Cal.
Kelly & Jones Co., Greensburg, Pa.
See adv index at end of book
Knox Mfg. Co. (For Drill & High Pressure), 821 Cherry, Phila., Pa.
Lasker & Minck, 220 B'way, New York
Long A. T. Co., Inc., 249 N 16th, Portland, Ore.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
McNab & Harlin Mfg. Co., Paterson, N. J.
McShane Bell Foundry Co., Hanford av & B & O R R, Baltimore, Md.
Manitowoc Shipbuilding Co. ("Gunnell") Manitowoc, Wis.
Medina Stamping & Mach. Co., Medina, N. Y.
Morse A. J. & Son (Inc.), 221 High, Boston, Mass.
Mulconroy Co. ("Mulconroy"), 54th & Jefferson, Phila., Pa.
Nelson L. R. ("Perfect Clinching" All Brass), Peoria, Ill.
Neumeyer H. F. & Son ("Never Slip"), Macungie, Pa.
Nichols E. M. ("Nichols"), 212 W Washington Sq, Phila., Pa.
Nunn Brass Works ("Emergency" Fire Hose), Rochester, N. Y.
Peck Bros. & Co., New Haven, Conn.
Peoria Can Co. ("Improved Perfect," Clinching), Peoria, Ill.
Pioneer Brass Works ("P. B. W." Expansion Ring), 1102 E 23rd, Indianapolis, Ind.
Powell Wm. Co. (Ground Joint), 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Rauch Mfg. Co. ("Eureka" & "Reliable" for Steam & Air Hose), Galena, Kans.
Safety Fire Extinguisher Co., 295 7th av, New York
Seattle Brass Co., 4401 7th av S, Seattle, Wash.
Sherman H. B. Mfg. Co., Battle Creek, Mich.
Standard Brass & Iron Works (Brewers, etc; also for Steam Hose), 1820 St. Paul av, Milwaukee, Wis.
Stebbins E. Mfg. Co., 16 Belvidere, Springfield, Mass.
Street & Kent Mfg. Co., 549 Fulton, Chicago, Ill.
Threaded Products Co., 8th & Carlton, Berkeley, Cal.
Titeflex Metal Hose Co. (Flexible Metal), Badger av & Runyon, Newark, N. J.
Vapor Car Heating Co., 1450 Railway Ex., Chicago, Ill.
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
Walworth Mfg. Co., Boston, Mass.
Waterbury Brass Goods Corporation (Wrought Brass), Waterbury, Conn.



FALK

BIBBY COUPLINGS

FALK-Bibby Flexible Couplings are the natural complement of Falk Herringbone Gears (see classification Gears, Herringbone); they are precision made, self-lubricated and with all of the usual characteristics of the best types of coupling, they combine the exclusive feature of **"controlled torsional elasticity."**

They are truly flexible, not only under normal, but even under light loads and will stand far greater momentary or constant overloads than any other type in existence.

Their range of application includes the entire field where herringbone gears are used and also every case where two approximately co-axial shafts need to be coupled for the transmission of power from one to the other.

The standard sizes which have been developed range from 4½ to 8600 H.P. at 100 R.P.M. Large couplings, and couplings for special duty, are treated on their individual merits, and can be kept within convenient dimensions.

For easy coupling and uncoupling of shafts—for the correction of misalignment evils—for the elimination of end-thrusts, oscillations, wear and power losses—we unreservedly recommend these couplings and invite requests for further information.

Write For Your FREE COPY of Bulletin No. 34-H.

THE FALK CORPORATION
MILWAUKEE Coupling Dept. B WISCONSIN
For Representatives see Address and Local Distributors' Section

Waterbury Mfg. Co., Division Chase Companies Inc., Waterbury, Conn.
Westinghouse Air Brake Co., Pittsburgh, Pa.
Wolverine Brass Works, Grand Rapids, Mich.

3301—Couplings (Hose Band)

Eby H. H. Mfg. Co., 605 Arch, Phila., Pa.
Jones Jas Co., 201 Leroy, Los Angeles, Cal
McChesney J. S. & Co. ("McChesney" Galvanized Wire Hose Bands), 4015 N Rockwell, Chicago, Ill.
Morgan Mfg. Co, Inc. ("Morgan's" Clamp), Keene, N. H.
Morse A. J. & Son, 221 High, Boston, Mass.

3302—Couplings (Hose, Fire)

Allen Fire Dept. Supply Co., 159 Aborn, Providence, R. I.
Allen W. D. Mfg. Co., 201-211 N Jefferson, Chicago, Ill.
See adv index at end of book
American Safety Lamp & Mine Supply Co., 1327 Capouse av, Scranton, Pa.
Anderson G. A. Mfg. Co. ("Anderson"), Bush & Russell, Baltimore, Md.
Boston Coupling Co., 156 Pearl, Boston, Mass.
Boston Woven Hose & Rubber Co., Cambridge, Mass.
Castle Jas. M., Inc., 1224 Arch, Phila., Pa.
Clay John H., 1320 Ridge av, Phila., Pa.
Elkhart Brass Mfg. Co., Elkhart, Ind.
Fabric Fire Hose Co., 127 Duane, New York
Farnan Brass Works Co., 1105 Center, Cleveland, O.
Greenberg's M. & Son, Folsom & Alice, San Francisco, Cal.
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
Jones Jas. Co., 201 Leroy, Los Angeles Cal.
Long A. G. Co., Inc., 249 N 16th, Portland, Ore.
Sherman H. B. Mfg. Co., Battle Creek, Mich.
Threaded Products Co., 8th & Carlton, Berkeley, Cal.

3303—Couplings (Hydraulic Pipe Line)

National Tube Co., Frick bldg, Pittsburgh, Pa.
Republic Pipe & Iron Corp., 23 H Varick av, Brooklyn, N. Y.
See adv index at end of book

3304— Couplings (Insulated)

Bond Chas. Co., 617 Arch, Phila., Pa.
Brown A. & F. Co., 19 Barclay, New York
GENERAL ELEC. CO., Schenectady, N. Y.
See adv index at end of book

3305—Couplings (Lead Flange)

Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, O.
Hays Mfg. Co., Erie, Pa.
See adv index at end of book
Mueller H. Mfg. Co., Decatur, Ill.
See adv index at end of book
Ross Heater & Mfg. Co. Inc., 1407H West av, Buffalo, N. Y.

3306—Couplings (Lead Pipe)

Chapman Valve Mfg. Co. ("Anderson"), Indian Orchard, Mass.
Craig, G. C., Rumney Depot, N. H.
Jones Jas. Co., 201 Leroy, Los Angeles, Cal
Morden Iron Works, Quincy, Ill.

3307— Couplings (Meter)

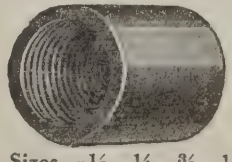
Clark H. W. Co. ("Teksagon," "No Gasket"), Mattoon, Ill.
Hays Mfg. Co., Erie, Pa.
See adv index at end of book
Seattle Brass Co., 4001 7th av S, Seattle, Wash.

3308— Couplings (Pipe)

A. & J. Mfg. Co. (Wrought Iron), 559 W Lake, Chicago, Ill.
Albert & Davidson Pipe Corp., 256-264 Oakland, Brooklyn, N. Y.
See adv index at end of book
Atkins H. C. Mfg. Co., 745 S 3rd, St. Louis, Mo.
Banner Mfg. Co. (for Urinal Basins), 109 Lafayette, New York
Belknap Mfg. Co. (Circulating), 800 Union av, Bridgeport, Conn.
Bethlehem Shipbuilding Corp. Ltd. (Iron, Flanged Union, Miscellaneous), Bethlehem, Pa.
Bridgeport Screw Co., Bridgeport, Conn.
BYERS A. M. CO. (Genuine Wrought Iron), 235 Water, Pittsburgh, Pa.
See adv index at end of book
Central Tube Co., First National Bank bldg, Pittsburgh, Pa.
Chapman Valve Mfg. Co. ("Anderson"), Indian Orchard, Mass.
Cohoes Rolling Mill Co., Cohoes, N. Y.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
CRESSMAN N. C. CO., 111 S 5th, Phila., Pa.
Custer Coupling Co., Bradford, Pa.
Dart E. M. Mfg. Co. (Union "Dart"), 134 Thurbers av, Providence, R. I.
Dayton Pipe Coupling Co. ("Dayton" All Steel), Dayton, O.
Dresser S. B. Mfg. Co. ("Dresser"), Bradford, Pa.
Fairbanks & Co. ("Dart"), 416 Broome, New York
Grabler Mfg. Co. ("Grip" Wrought Iron), 6565 B'way, Cleveland, Ohio
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
Gwilliam Supply Co., 915 N Front, Phila., Pa.
Harris Pump & Supply Co., 318 Second av, Pittsburgh, Pa.
Illinois Malleable Iron Co., 1801 Diversey blvd, Chicago, Ill.
Jefferson Union Co. ("Jefferson"), Lexington, Mass.
Kelly & Jones Co. The ("Kelly Patent" Wrought Iron), Greensburg, Pa.
See adv index at end of book
LARKIN J. K. & CO., 253 Broadway, New York *See adv index at end of book*
Lawrenceville Bronze Co., Bessemer bldg, Pittsburgh, Pa.
LUNKENHEIMER CO. (Brass). Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
See adv index at end of book
McRae & Roberts Co., 100 S Campbell av, Detroit, Mich.
Malleable Iron Fittings Co. ("M. I. F Co."), Bradford, Conn.
Morse A. J. & Son, 221 High, Boston, Mass.
National Acme Co., 7500 stanton av, S E. Cleveland, O.
NEW HAVEN SCREW CO. (Up to ¾ inch steel, milled from the bar), 199 Foster, New Haven, Conn.
See adv index at end of book

(Continued on following page)

Steel Pipe Couplings
Milled from the Bar



Stock Sizes—⅛, ¼, ⅜, ½, ¾
Plain or Galvanized
NEW HAVEN SCREW CO.
199 Foster St., New Haven, Conn.

Couplings (Pipe)—Continued

Republic Pipe & Iron Corp., 23 H, Varick av, Brooklyn, N. Y.
See adv index at end of book

REPUBLIC PIPE & IRON CORP.
BLACK AND GALVANIZED
Couplings
23 H Varick Ave. Brooklyn, N. Y.

South Chester Tube Co., Chester, Pa.
Strater Herman & Sons, 74 Sudbury, Boston, Mass.
Walworth Mfg. Co., 82H Pearl, Boston, Mass.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
WHEELING MACHINE PRODUCTS CO. ("Wheeling Seamless Steel"), Main & 20th st, Wheeling, W. Va.
See adv index at end of book

Wheeling "Seamless" Steel Pipe Couplings, Black or Galvanized

WHEELING MACHINE PRODUCTS COMPANY
Wheeling, West Virginia

3308a— Couplings (Punch)

Pratt & Whitney Co. (Reducing), Hartford, Conn. *See adv index at end of book*

Couplings (Pump Rod)

See Sockets, Pump Rod

3309— Couplings (Safety)

Bond Foundry & Machine Co., Penn, Manheim, Pa.
Fernald Mfg. Co., North East, Pa.
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*

3309a—Couplings (Shaft, Flexible)

JONES FOUNDRY & MACHINE CO., W. A., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book

3310— Couplings (Shafting)

Allis-Chalmers Mfg. Co., Milwaukee Wis.
See adv index at end of book
Almond T. R. Mfg. Co. (Angular or Quarter Turn Countershaft), Ashburnham, Mass.
American Tool & Machine Co., 10 High, Boston, Mass.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Bethlehem Shipbuilding Corp. Ltd. (Universal Joint), Bethlehem, Pa.
Boeger-Meyer Mach. & Tool Co., 61 McWhorter, Newark, N. J.
Bond Foundry & Machine Co., Penn, Manheim, Pa.
Brown A. & F. Co., 79 Barclay, New York
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Chain Belt Co., 746 Pak, Milwaukee, Wis.
See adv index at end of book
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Cresson-Morris Co., Allegheny & 18th, Phila., Pa.
Cunningham & Birdwood, Lynn, Mass.
Eastwood Benj. Co., Paterson, N. J.
Ehrsam J. B. & Sons Mfg. Co., Enterprise, Kan.
Fairbanks Morse & Co., 900 S Wabash av, Chicago, Ill.
Falls Clutch & Machy. Co., Cuyahoga Falls, O.
FRANCKE CO. ("Francke"), 68 Washington st, Newark, N. J.
Franklin Machine Co., Providence, R. I.
See adv index at end of book
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Golden's Foundry & Machine Co., Columbus, Ga.
Grace C. M. & Co. (Compression Flange Clutch, etc.), Huntsville, Ala.
Great Western Mfg. Co., Leavenworth, Kan.
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
Hanson Clutch & Machy. Co., Tiffin, O.
Hill Clutch Machine & Foundry Co., W 65th, Cleveland, O.
Hilliard Clutch & Machy. Co., Dept. H, Elmira, N. Y.
Holyoke Machine Co., Holyoke, Mass.
Hunt Rodney Mach. Co., Orange, Mass.
Hunter James Machine Co., North Adams, Mass.
Janney & Co., Montgomery, Ala.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O.
See adv index at end of book
JONES W. A. FOUNDRY & MACHINE CO., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book
Keystone Forging Co., Northumberland, Pa.
Lane Mfg. Co., Montpelier, Vt.
Lane & Bodley Co., Tenn. av & Paddock rd, Cincinnati, O.
LINK-BELT COMPANY, 300 W 39th, Chicago, Ill. *See adv index at end of book*
Lombard Iron Works & Supply Co., Augusta, Ga.
MEDART COMPANY THE, 3500 De Kalb, St. Louis, Mo.
See adv index at end of book
Minneapolis Steel & Machinery Co., 2854 **Minnehaha av., Minneapolis, Minn.**
Nicholson W. H. & Co. (Compression), Wilkes-Barre, Pa.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Plamondon A. Mfg. Co., 5315 S Western blvd, Chicago, Ill.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Royersford Fdry. & Machine Co., Royersford, Pa.
Safety First Mfg. Co., Alexandria, Va.
Stanley Belting Corpn. ("Bull Dog Safety"), 13-15 N Jefferson, Chicago, Ill.
Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.
Strong Homer ("Estes"), Rochester, N. Y.
Stuart R. J. & T. H., New Hamburg, N. Y.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book
Weller Mfg. Co., 1856 N. Kostner av, Chicago, Ill.
Western Iron & Foundry Co., Wichita, Kan
Wisconsin Fdry. & Mach. Co. (Line), Madison, Wis.
Witte Engine Works, 16th & Oakland, Kansas City, Mo.
Wolf Co., Chambersburg, Pa.
Wood's T. B. Sons Co., Chambersburg, Pa.

3310a—*Couplings (Shafting Rigid)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Jones W. A. Fdry. & Mach. Co., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book
LINK-BELT CO., 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

3311—Couplings (Soldering)

American Well Works, Aurora, Ill.
See adv index at end of book
Exeter Brass Works, Exeter N. H.
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co., Erie Pa.
See adv index at end of book
Mueller H. Mfg. Co., Decatur, Ill.
See adv index at end of book
Stebbins E. Mfg. Co., Springfield, Mass.

3312—Couplings (Sucker Rod)

American Well Works, Aurora, Ill.
See adv index at end of book
Marion Machine Foundry & Supply Co., Marion, Ind.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Red Jacket Mfg. Co., East 3d, Davenport, Ia.
Rumsey Pump Co. (Ltd.) (Wrought Forged), Box J, Seneca Falls, N. Y.

3313— *Couplings (Swivel)

Alvey Mfg. Co., 3201H S Broadway, St. Louis, Mo.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*

3314—Couplings (Universal)

Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Bethlehem Shipbuilding Corp. Ltd., Bethlehem, Pa.
Foote Bros. Gear & Machine Co. (Semi-Universal), 213 N Curtis, Chicago, Ill.
See adv index at end of book
FOOTE GEAR WORKS (Semi-Universal), 430 N Oakley av, Chicago
See adv index at end of book
Golden's Foundry & Machine Co., Columbus, Ga.
Jones W. A. Foundry & Machine Co., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Mesta Machine Co., Box 1124 Pittsburgh, Pa.
Norwalk Auto Parts Co., Norwalk, O.
Snead & Co., ft Pine, Jersey City, N. J.
Wood's T. B. Sons Co. (Joint), Chambersburg, Pa.

Couplings (Wire Rope)

See Clamps, Wire Rope

3314a—Couplings (Wrought Iron)

Republic Pipe & Iron Corp., 23 H, Varick av, Brooklyn, N. Y.
See adv index at end of book

3314b— *Covering (Roller)

U. S. Rubber Co. (Rubber), 1790 Broadway, New York *See adv index at end of book*

RUBBER
ROLL COVERING
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

3314c—Covers (Ash & Garbage)

Cordley & Hayes (Fibre), 32 Leonard, New York *See adv index at end of book*
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Metal Products Corp., 49 Chestnut, Weehawken, N. J.
Rochester Can Co. ("Iron Horse" Galvanized), 89 Hauge, Rochester, N. Y.

3315—Covers (Automobile Radiator)

Allen Auto Specialty Co., 16 W 61st, New York
Atlantic-Pacific Mfg. Co., 129 Atlantic av, Brooklyn, N. Y.
Atlas Specialty Co. ("Atlas"), 2110 S Morgan, Chicago, Ill.
B. E. Mfg. Co. ("Bemco"), 210 13th, Long Island City, N. Y.
Fesser Frank S. Co. ("Superior"), 1033 Shelby, Indanapolis, Ind.
Fulton Bag & Cotton Mills (Burlap and Cotton), Atlanta, Ga.
Gilbert Mfg. Co., New Haven, Conn.
Gordon J. P. Co., Columbus, O.
Hopewell Bros., Watertown, Mass.
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Kroh C. Z. Mfg. Co., Toledo, O.
Perkins Campbell Co. ("Campbell"), 622 B'way, Cincinnati, Ohio
Phoenix Carriage Co., 901 Evans, Cincinnati, O.
Premier Auto Novelty Mfg. Co., 149 Chambers, New York

3316— Covers (Barrel)

Bemis Bro. Bag Co. (New & Second Hand) 601 S 4th, St. Louis, Mo.
Eastern Burlap Bag Co., 120 Morgan, Hartford, Conn.
Fulton Bag & Cotton Mills (Burlap & Cotton), Atlanta, Ga.
Parks M. H. & Co. ("Gem," "Champion"), Winchendon, Mass.

3317-8—Covers (Battery Jar)

American Hard Rubber Co., 9 Mercer, New York
Auburn Button Works Inc., Auburn, N. Y.
Consumers' Rubber Co. ("Euclid"), 1302 Ontario, Cleveland, O.
Duranoid Mfg. Co., 213 Chestnut, Newark, N. J.
Electrose Mfg. Co., 70 Washington, Brooklyn, N. Y.
Hemming Mfg. Co., Garfield, N. J.
India Rubber Co., New Brunswick, N. J.
International Insulating Corp., 25 W 45th, New York
Stokes Jos. Rubber Co., Trenton, N. J

3319—Covers (Binder, Implement & Stack)

Acme Harvesting Machine Co. ("Acme"), Peoria, Ill.
Atlanta Tent & Awning Co., Atlanta, Ga.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Harry O. K. Steel Co. ("O. K. Harry"), 2333 Papin, St. Louis, Mo.
Herschel R. Mfg. Co. ("R. H. Mfg. Co.."), Peoria, Ill.
Hettrick Mfg. Co., Toledo, O.
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Liston & Polter Mfg. Co. ("L. & P."), Eugene, Ore.
Massey-Harris Harvester Co. ("Johnston"), Batavia, N. Y.
Mellus Bros. & Co., 305 E 4th, Los Angeles, Cal.
Sparta Plow Works ("Sparta"), Sparta, Ill.
Whitaker Mfg. Co. ("Perfect Fit"), 409 S Green, Chicago, Ill.

3320— Covers (Broom)

Bemis Bro. Bag Co. (Paper, Cotton & Burlap), 601 S 4th, St. Louis, Mo.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Pioneer Mfg. Co. ("Shino" Chemical), 3053H E 87th, Cleveland, O.

3321— Covers (Canvas)

See also Tarpaulins, Wagon Covers, etc.

Atlanta Tent & Awning Co., Atlanta, Ga.
Bethlehem Shipbuilding Corp. Ltd. (Boat, Machinery, Decks, etc.), Bethlehem, Pa.
Canvas Leather Specialty Co., 757 Cass, Trenton, N. J.
Carpenter Geo. B. & Co., 434 North Wells, Chicago, Ill.
See adv index at end of book
Dafoe Eustice Co. (Waterproof), 4042 W Jefferson, Detroit, Mich.
Daniels, Inc., C. R., 114-115 South, New York
See adv index at end of book

COVERS
Waterproof and Plain—All Sizes
Immediate Delivery—Manufacturer's Prices
Contractors' Tarpaulins — Dust Covers
Builders' Tarpaulins — Boat Covers
Machinery Covers — Painters' Drop Cloths
Truck Covers — Tarpaulins for Export
C. R. DANIELS, Inc.
Manufacturers of Everything of Canvas
DEEkman 2340-4095 — 114-115 South St., New York

Fulton Bag & Cotton Mills (Boat, etc.), Atlanta, Ga.
Goss Co. J. C. (Waterproof), 36 E Woodbridge, Detroit, Mich.
Hettrick Mfg. Co., Toledo, O.
Holyaard C. J. Co., 30 Washington av, Minneapolis, Minn.
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Liston & Polter Mfg. Co. ("L. & P."), Eugene, Ore.
McClellan Chas. P. (All Kinds), 2 Boomer, Fall River, Mass.
Mellus Bros. & Co., 305 E 4th, Los Angeles, Cal.
Stanley Wm. W. (Plain & Waterproof) 62 White, New York
Stonbridge C. H. Mfg. Co., 23 Warren, New York
Tucker Duck & Rubber Co. ("Peerless"), Ft. Smith, Ark.
Wyandotte Awning & Tent Co., Kansas City, Kans.

3322— Covers (Catch Basin)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Burr Co., Champaign, Ill.
Canton Foundry & Machine Co., Canton, O.
See adv index at end of book
Compound Injector & Specialty Co. ("Dehn's," "Acme"), 419 N Laramie av, Chicago, Ill.
Davies & Thomas Co., Catasauqua, Pa.
Decatur Foundry Co., Decatur, Ill.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Duplex Mfg. & Foundry Co., Elyria, O.
Galion Iron Works & Mfg. Co., Galion, O.
Greenwood Mfg. Co. ("Boosey's"), 5140 Hamilton, Detroit, Mich.
Hastings Foundry & Iron Works, Hastings, Neb.
Illinois Malleable Iron Co., 1801 Diversey blvd, Chicago, Ill.
Kramer Bros. Foundry Co., 55 Dell, Dayton, O.
Madison Foundry Co. ("Acme"), Cleveland, O.
Mott J. L. Iron Works, Trenton, N. J.
Standard-Elsmere Granite Co., 1752-56 N Spaulding av., Chicago, Ill.
Stowell Co. The, So Milwaukee, Wis.
Vulcan Iron Works, 327 N Irving av, Chicago, Ill.
Weseley Chas Co. ("Weseley" Concrete), 3126 S Canal, Chicago, Ill.
Youngstown Foundry & Machine Co., Youngstown, O.

3323— Covers (Cistern)

Adams Co., Dubuque, Ia.
American Scale Co., 517 Delaware, Kansas City, Mo.
Colonial Fireplace Co., 4631 W 12th, Chicago, Ill.
Donley Bros. Co. The, 13935 Miles av, Cleveland, Ohio
See adv index at end of book
Indiana Foundry Co., Dept. H, Indiana, Pa.
Kramer Bros. Foundry Co., 55 Dell, Dayton, O.
Majestic Co. ("Majestic" Ring & Cover with Drop Handle), Huntington, Ind.
Natural Slate Blackboard Co., 101 Marietta, Pen Argyl, Pa. (With Structural Slate Co., Pen Argyl).
See adv index at end of book
Pennsylvania Structural Slate Co., Drake bldg, Easton, Pa.
Phillips & Buttorff Mfg. Co. (Cast Iron), Nashville, Tenn.
Sperry D. R. & Co., Batavia, Ill.
Sterling Foundry Co. ("Best"), Sterling, Ill.
Wagner Mfg. Co., Sidney, O.
Waterloo Register Co., Waterloo, Ia.

3324— Covers (Coal Hole)

American Abrasive Metals Co. ("Feralun"), 50 Church, New York
Am. 3-Way Prism Co., Cicero, Ill.
Barber Mfg. Co. (With or Without Glass), Ashtabula, O.
Burr Co., Champaign, Ill.
Canton Foundry & Machine Co. (Solid & Ventilated), Canton, O.
See adv index at end of book
Chattanooga Roofing & Foundry Co., Chattanooga, Tenn.
Columbia Iron & Wire Wks. Co., Canton, O.
COVERT H. W. CO. (Safety), 137 E 46th, New York
Creswell Samuel J. Iron Works, 23d & Cherry, Phila., Pa.
Crown Iron Wks. Co., 1229 Tyler, Minneapolis, Minn.
Dauchy Iron Works, 223 W Illinois, Chicago, Ill.
Donley Bro. Co. The, 13935 Miles av, Cleveland, Ohio
See adv index at end of book
Frantz Mfg. Co., Sterling, Ill.
Hastings Foundry & Iron Works, Hastings, Neb.
Indiana Foundry Co., Dept. H, Indiana, Pa.
Kramer Bros. Foundry Co., 55 Dell, Dayton, O.
Love Bros, Aurora, Ill.
McLagon Foundry Co., New Haven, Conn.
Mackinnon Boiler & Machine Co., 218 N Water, Bay City, Mich.
Madison Foundry Co. ("Acme"), Cleveland, O.
Mesker Geo. L. & Co., Evansville, Ind.
Meyers Fred. J. Mfg. Co., Hamilton, O.
Paxton & Vierling Iron Works, Omaha, Neb.
ST. PAUL FOUNDRY CO., Como av & Mackubin, St. Paul, Minn.
See adv index at end of book
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av
See adv index at end of book
Sterling Foundry Co., Sterling, Ill.
Treaty Co., Greenville, O.
Wis. Iron & Wire Works, 1660H Booth, Milwaukee, Wis.

3324a— Covers (Crucible)

Braun-Knecht-Hermann Co. (Graphite), 576-584 Mission, San Francisco, Cal.
Dixon Joseph Crucible Co., Jersey City, N. J.
McCullough-Dalzell Crucible Co., 36th & A. V. R. R., Pittsburgh, Pa.
Ohio Pottery Co. (Glazed Lids for "A" Form Crucibles), Zanesville, O.
Ross-Tacony Crucible Co., Robins & Milner, Phila., Pa.

3325— Covers (Dish, Petri)

Ohio Pottery Co ("Ohio"), Zanesville, O.

3326— Covers (Dish, Wire)

Meyers Fred J. Mfg. Co., Hamilton, O.
Parker Wire Goods Co., Worcester, Mass.
Wickwire Spencer Steel Corp., 41 East 42nd, New York
See adv index at end of book

3327— Covers (Horse)

Atlanta Tent & Awning Co., Atlanta, Ga.
Aronoff Joseph J., Trenton, N. J.
Couch Bros. Mfg. Co., Atlanta, Ga.
Fulton Bag & Cotton Mills ("Shuredry"), Atlanta, Ga.
Hettrick Mfg. Co., Toledo, O.
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Saunders H. J., 912 La Salle av, Minneapolis, Minn.

3328—Covers (Hydro-Extractor)

Firsching John A., Utica, N. Y.
Fletcher Works, Glenwood av & 2d, Phila., Pa.

3329—Covers (Laundry Tub)

Eichman J. C. Mfg. Co., Bush & Wicomico, Baltimore, Md.
Geuder Paeschke & Frey Co., 1314-1790 St. Paul av., Milwaukee, Wis.
See adv index at end of book
Greason Mfg. Co. ("U N X L D," Galvanized), 108 W 99th, New York
Newark Fire Proof Sash & Door Co., 133 Avon av, Newark, N. J.
Pennington Geo. W. Sons, Inc., 1699 Montgomery, San Francisco, Cal.
Pressed Steel Co., N Penn av, Wilkes-Barre, Pa.
Shwab Bros. Co. (Galvanized), 811 E 9th, New York
VITREOUS ENAMELING CORPORATION ("Vitreo"), 6300 Grant av, Cleveland, Ohio *See adv index at end of book*

3330— Covers (Manhole)

Ajax Foundry Co., 58-60 Clementian, San Francisco, Cal.
American Abrasive Metals Co. ("Feralun"), 50 Church, New York
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Aylward Sons Co., Neenah, Wis.
Barber Mfg. Co., Ashtabula, O.
Beard Foundry & Machine Wks. (Castings), Dept. H, Arkansas City, Kans.
Bissell F. Co. ("Security"), Toledo, O.
Bosworth-Ard Machine & Foundry Co. (Frames), Anniston, Ala.
Buckeye Foundry Co., Queen City av & Buck, Cincinnati, O.
Builders' Iron Foundry ("Builders"), 9 Codding, Providence, R. I.
Burr Co., Champaign, Ill.
CALDWELL E. R. & CO., Bradford, Pa.
See adv index at end of book
Canton Foundry & Machine Co., Canton, O.
See adv index at end of book
Casey-Hedges Co., Chattanooga, Tenn.
Central Foundry Co., 41 E 42d, New York
Clow Jas. B. & Sons (Cast Iron), 534 S Franklin, Chicago, Ill.
Coldwell-Wilcox Co. (Also Pivot), Newburgh, N. Y.
Columbian Iron Works ("Columbian") 811 Boyer, Chattanooga, Tenn.
Concord Foundry & Machine Co. (Also Grates & Traps), Concord, N. H.
Cope T. J., 1620 Chancellor, Phila., Pa.
Creswell Samuel J. Iron Works, 23d & Cherry, Phila., Pa.
Davies & Thomas Co., Catasauqua, Pa.
Dearborn Foundry Co., 345 W 23rd, Chicago, Ill.
DOBBIE FOUNDRY & MACHINE CO., Niagara Falls, N. Y.
See adv index at end of book
Donley Bros. Co. The, 13935 Miles av, Cleveland, O.
See adv index at end of book
Duplex Mfg & Foundry Co., Elyria, O.
Enterprise Foundry Co., Rochester, N. Y.
Fagan Iron Works, 14th, Jersey City, N. J.
Fiske J. W. Iron Works (& Frames), 111 Park pl, New York
Frederick Iron & Steel Co., Frederick, Md.
Galena Foundry & Machine Co., Galena, Kan.
Gillie Mach. Co., Tonawanda, N. Y.
Globe Co., Sheboygan, Wis.
Hanson Clutch & Machy. Co., Tiffin, O.
Hassell Iron Works Co., Colorado Springs, Col.
Hastings Foundry & Iron Works, Hastings, Neb.
Hay Foundry & Iron Works, Plum Point la., Newark, N. J.
Hennessey Foundry Co., Springfield, O.
Illinois Malleable Iron Co., 1801 Diversey blvd, Chicago, Ill.
Indiana Foundry Co., Dept. H, Indiana, Pa.
International Steel & Iron Co., 1243 Edgar, Evansville, Ind.
Iowa Steel & Iron Works, Cedar Rapids, Ia.
Jones W. A. Foundry & Machine Co., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book
Kramer Bros. Foundry Co., Dayton, O.
Kuhns Bros., Dayton, O.
Lasker & Minck 53 Park pl., New York
McDonald Foundry, Columbus, O.
McNab & Harlin Mfg. Co., 110 William, New York
Madison Foundry Co. ("Acme"), Cleveland, Ohio
Maher & Flockhart, 76 Polk, Newark, N. J.
Meyers Fred. J. Mfg. Co., Hamilton, O.
Minneapolis Steel & Machinery Co., 2854 Minnehaha av., Minneapolis, Minn.
Modern Iron Works, Quincy, Ill.
Munnsville Plow Co., Munnsville, N. Y.
New Brunswick Iron Works, New Brunswick, N. J.
Noyes B. B. Co., Greenfield, Mass.
Olympic Foundry Co., Argo Station, Seattle, Wash.
Over Ewald, 921 Biddle, Indianapolis, Ind.
Parsons Co., Newton, Ia.
Paxton & Vierling Iron Works, Omaha, Neb.
PENN FOUNDRY & MFG. CO., Wyomissing, Reading, Pa.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Rempis & Gallmeyer Foundry Co., Grand Rapids, Mich.
Republic Structural Iron Wks. Co., 1350 E 53d, Cleveland, O.
Roanoke Iron Works, Roanoke, Va.
Russell Albert & Sons Co., Newburyport, Mass.
Russell Wheel & Foundry Co., Chene Bl R. R., Detroit, Mich.
ST. PAUL FOUNDRY CO., Como av & Mackubin, St. Paul, Minn.
See adv index at end of book
Sanitary Co., Dept. H, Linfield, Pa.
Santa Fe Foundry Co., Richmond, Cal.
Sessions Foundry Co. (Subway, etc), Bristol, Conn.
SOUTH BEND FOUNDRY CO., South Bend, Ind.
South Park Foundry & Machine Co., St. Paul, Minn.

(Continued on following page)

Covers (Manhole)—Continued

Springfield Fdry Co., Oak IO, Springfield, Mass.
Standard Foundry Co., 743 Hertel av, Buffalo, N. Y.
STARKE'S DIXIE PLOW WORKS, INC., 1518 E Cary, Richmond, Va.
Stary Frank & Sons, Cedar Rapids, Ia.
Steiger & Kerr Stove & Foundry Co., Folsom & 18th, San Francisco, Cal.
Stuart Foundry Co., 138 Junction, Detroit, Mich.
Thacher Propeller & Foundry Corp., Albany, N. Y.
Toledo Foundry & Machine Co., Toledo, Ohio
Townsend Foundry & Machine Shop Co., Broadway & Rensselaer, Albany, N. Y.
See adv index at end of book
Tuscaloosa Iron Works, Tuscaloosa, Ala.
United Iron Works Co., Inc., Kansas City, Mo.
U. S. Cast Iron Pipe & Foundry Co., Burlington, N. J.
Universal Cable Grip Co., Skaneateles, N. Y.
Vulcan Iron Works, 327 N Irving av, Chicago, Ill.
Wagner Mfg. Co., Sidney, O.
Wallace Machine & Foundry Co., Lafayette, Ind.
Wearne Brothers, Omaha, Neb.
Western Iron & Foundry Co., Wichita, Kan
Wilcox Crittenden & Co. Inc., 444 S Main, Middletown, Conn.
See adv index at end of book
Youngstown Foundry & Machine Co. Youngstown, O.

3331— Covers (Nut)

See also Caps, Hub

Glauber Brass Mfg. Co. (Nickel Plated), 49th & Superior av N E, Cleveland, O.

3332—Covers (Paper Shipping)

Kennedy Car Liner & Bag Co., Shelbyville, Ind.
Seinsheimer Paper Co., York & McLean, Cincinnati, O.
Thompson & Norris Co., The (Corrugated), 212 Concord, Brooklyn, N. Y.

3333— Covers (Pot)

Cassady, Fairbank Mfg. Co. ("Lasher's" Spring Handle), 6126 S La Salle, Chicago, Ill.
Kitchen Specialty Mfg. Co., Reading, Pa.
National Enameling & Stamping Co. ("Lashers"), 411 5th av, New York
Republic Metalware Co. ("New King" & "Handi-Hook"), 100 Alabama, Buffalo, N. Y.
Royal Mfg. Co., 406 Commerce, Phila, Pa.
Troy Stamping Works, Troy, N. Y.

3334-5—Covers (Service Box)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Casey Hedges Co. ("Chattanoogan"), 25th & Chestnut, Chattanooga, Tenn.
Sanitary Co., Dept. H, Linfield, Pa.

3336—Covers (Slip, For Automobiles)

A. & E. Auto Top Co., Ypsilanti, Mich.
Acme Auto Top Co., 1421 Irving, Washington, D. C.
Atlanta Auto Top & Trimming Co., 155 Edgeworth av, Atlanta, Ga.
Atlas Specialty Mfg. Co., 2110 S Morgan, Chicago, Ill.
Auto Cape Top Co., 2334 S Michigan av, Chicago, Ill.
B. E. Mfg. Co. ("Bemco"), 210 13th, Long Island City, N. Y.
Baker & Lockwood Mfg. Co., 7th & Wyandotte, Kansas City, Mo.
Baltimore Buggy Top Co., Dept. H, Guilford av & Chase, Baltimore, Md.
Bliss C. P. Auto Top Co., 1351 Court pl, Denver, Col.
Chapman Carriage Factory, Jacksonville, Fla.
Chicago Auto Equipment Co., 901 W Jackson blvd, Chicago, Ill.
Cincinnati Auto Specialty Co., 312 Main, Cincinnati, O.
Clifton Mfg. Co., Waco, Tex.
Crawford Mfg. Co., H, Decatur, Richmond, Va.
Ero Mfg. Co., 2234 Ogden av, Chicago, Ill.
Frankel Specialties Corp., 59 E Tremont av, New York
Gates Mfg. Co., 835 N Meridian, Indianapolis, Ind.
Genesee Mfg. Co., Dept. H, Flint, Mich.
Glover Equipment Co., 1035 N Meridian, Indianapolis, Ind.
Gordon J. P. Co., 4th & Naghtan, Columbus, O.
Herrity Edward A. Co., Stamford, Conn.
La Roche Jos. P., 5918 S Ashland av, Chicago, Ill.
Lehman Mfg. Co., Cannelton, Ind.
Martin Auto Specialty Co., Lancaster, O.
Meister A. & Sons Co., Woodland, Cal.
Nathan Novelty Mfg. Co. ("Nathan"), 55 5th av, New York
Niagara Fabric Mfg. Co., 47H Greene, New York
Ohio Top Co., 905 Broadway, Cincinnati, O.
Omaha Auto Top Co., Omaha, Nebr.
Perkins Campbell Co., 622 B'way, Cincinnati, O.
Phoenix Carriage Co., 901 Evans, Cincinnati, O.
Premier Auto Novelty Mfg. Co., 149 Chambers, New York
Samson Auto Top & Equipment Co., 35 Portland, Providence, R. I.
Sterling Top & Equipment Co., 518 W 57th, New York
Sutorius Auto Top Co., 631 3d av, Minneapolis, Minn.
Thomas Auto Top Co., Muncie, Ind.
Western Auto Top Co., Omaha, Nebr.
Wilcox M. I. Co., 216 Water, Toledo, O.
Wisconsin Top Co. ("Badger"), Racine, Wis.

3337—Covers (Steering Wheel)

Empire Tire & Rubber Corp. ("Empire"), Trenton, N. J.

3338—Covers (Table, Paper)

Archer Tire & Rubber Co. ("Archer" Fabric), 711 15th av N E, Minneapolis, Minn.
Dennison Mfg. Co., So. Framingham, Mass.

3339— Covers (Tire)

Allen Auto Specialty Co. ("Allen"), 16 W 61st, New York z
Atlantic Pacific Mfg. Co., 129 Atlantic av, Brooklyn, N. Y.
Atlas Specialty Co. ("Atlas"), 2110 S Morgan, Chicago, Ill.
B. E. Mfg. Co. ("Bemco"), 210 13th, Long Island City, N. Y.
Clifton Mfg. Co., Waco, Tex.
Empire Tire & Rubber Corp., Trenton, N. J.
Gilbert Mfg. Co. ("Gilbert"), New Haven, Conn.
Gordon J. P. Co., Columbus, O.
Hopewell Bros., Watertown, Mass.
Kimball Tire Case Co. (Steel), Council Bluffs, Ia.
Liston & Polter Mfg. Co. ("L. & P."), Eugene, Ore.
Martin Auto Specialty Co. ("Martin"), Lancaster, Ohio
Nathan Novelty Mfg. Co. ("Nathan"), 55 5th av, New York
Omaha Auto Top Co. ("Co-Zee"), Omaha, Neb.
Perkins Campbell Co. ("Campbell"), 622 B'way, Cincinnati, O.

Covers (Wash Tub)

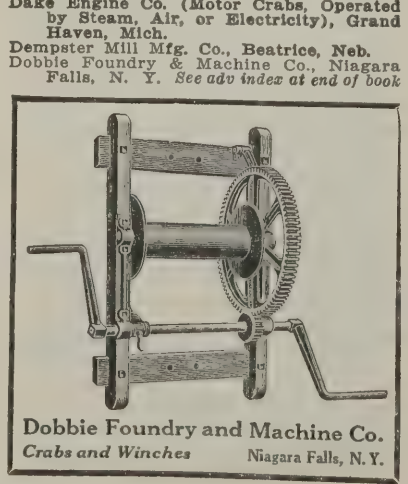
See Covers, Laundry Tub

3340— Cowls (Chimney)

Gilbert Walter B. & Co. ("Pullman" Ventilator), York, Pa.
Mechanicville Specialty Supply Mfg. Co. (Roof), Mechanicville, N. Y.

3341— Crabs (Hoisting)

American Hoist & Derrick Co. (Single & Double Drum), St. Paul, Minn.
Bell W. Lewis ("B. B."), 314 First, San Francisco, Cal.
See adv index at end of book
Brown Hoisting Machinery Co. (The), 4403 St. Clair N E, Cleveland, O.
See adv index at end of book
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Clyde Iron Works, Duluth, Minn.
Dake Engine Co. (Motor Crabs, Operated by Steam, Air, or Electricity), Grand Haven, Mich.
Dempster Mill Mfg. Co., Beatrice, Neb.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*



Dobbie Foundry and Machine Co.
Crabs and Winches Niagara Falls, N. Y.

Galena Iron Works Corp., Galena, Ill.
Helmick Foundry & Machine Co., Fairmont, W. Va.
Hoist Crane & Engineering Co. (The), Engineering bldg, Liberty, New York
See adv index at end of book
National Iron Co., Duluth, Minn.
ROUND D. & SON, Penn R R & Henry, Cleveland, O.
See adv index at end of book
Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.
United Iron Works Co., Inc., Kansas City, Mo.
Vulcan Iren Works, 1737 S Main, Wilkes-Barre, Pa.

3342— Crabs (Pole)

Cowles C. & Co., New Haven, Conn.
English & Mersick Co., New Haven, Conn.
Rounds D. & Son, Penn R R & Henry, Cleveland, Ohio
Searls Mfg. Co., 29 Mulberry, Newark, N. J.
Woodruff Walter W. & Sons Co., Mount Carmel, Conn.

3343— Cradles (Children's)

Abbott John G. (Est. of), (Rocking), Antrim, N. H.
Automatic Cradle Mfg. Co. (Self-Swinging), Stevens Point, Wis.
Banner Mfg. Co. (Rocking), Mt. Airy, N. C.
Cream City Bedding Co. (Rocking & Swinging), 3200 Fond du Lac av, Milwaukee, Wis.
Johnson P. (Rocking), 856 W Erie, Chicago, Ill.
Milwaukee Woven Wire Works (Rocking), 3014-20 Clarke, Milwaukee, Wis.
Paige Morton (Rocking & Swinging), Antrim, N. H.
Simmons Co., 1347 Michigan, Chicago, Ill.
Woodstock Mfg. Co., Inc., 1040 Jay, Rochester, N. Y.

3344— Cradles (Grain)

Andres Jos., Kelso, Ind.
Brinser E. C. Sons, Richmond, Va.
Counts J. C. & Sons, Prosperity, S. C.
Derby & Ball, Bellows Falls, Vt.
Fuss J. C., Kauffman, Pa.
McGuire B. C. J., Wilmore, Pa.
Schwob J. A. Co., Moundsville, W. Va.
Seymour Mfg. Co., Seymour, Ind.
Walck, Henry S., Greencastle, Pa.

3345—Crane Controllers (Electric)

Allen-Bradley Co. ("Allen-Bradley"), 286 Greenfield av, Milwaukee, Wis.
Cleveland Crane & Engineering Co., Box 152, Wickliffe, O.
CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
ELECTRIC CONTROLLER & MFG. CO. (Reversing, for Electric Cranes, Hoists, etc), Cleveland, O.
See adv index at end of book
Euclid Electric & Mfg. Co., Euclid, Ohio
Monitor Controller Co., 514 E Lombard, Baltimore, Md.
Morgan Engineering Co., Alliance, Ohio
Toledo Crane Co., Bucyrus, Ohio
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

3346— Crane Runways

Am. Bridge Co., 71 B'way, New York
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
Bradney Machine Co. Inc., Middletown, N. Y.
Chesapeake Iron Works, Westport, Baltimore, Md.
Erie Steel Construction Co., Erie, Pa.
Hoist Crane & Engineering Co. (The), Engineering bldg, Liberty, New York
See adv index at end of book
Northern Engineering Works, 9 Chene, Detroit, Mich.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Republic Structural Iron Wks. Division, 1350H E 53rd, Cleveland, O.

3347— Cranes

For Various Kinds of Cranes See Subclassifications following
Advance Engineering Co., Metta av, Cleveland, O.
Alliance Machine Co., Alliance, O.
ARMINGTON ENGNG. CO., Euclid, O.
Barber-Foster Engineering Co., Swetland bldg, Cleveland, O.
Bay City Dredge Wks., 2600 Center av, Bay City, Mich.
Box Alfred Co., Centario & Trenton, Phila., Pa.
Box Wm. A. Iron Works Co., 3309 Blake, Denver, Col.
Bradney Machine Co. Inc., Middletown, N. Y.

BROWN HOISTING MACHINERY CO. (THE), 4403 St. Clair N E, Cleveland, O. *See adv index at end of book*
Browning Co., E 162d & Waterloo rd, N E Cleveland, O.
Bucyrus Co., South Milwaukee, Wis.
BYERS MACHINE CO., THE, 242 Sycamore, Ravenna, O. *See adv index at end of book*
Carlin John H. Machine Co., Pittsburgh, Pa.
Champion Engrg. Co. ("Champion"), Kenton, Ohio
Chesapeake Iron Works, Westport, Baltimore, Md.
Cleveland Crane & Engineering Co., Box 152, Wickliffe, O.
Cleveland Punch & Shear Works Co., 3917 St. Clair av N E, Cleveland, O. *See adv index at end of book*
Curtis & Co. Mfg. Co. (Air), 1502 Kienlen av, St. Louis, Mo.
Davenport Locomotive Wks., Davenport, Iowa
DETROIT HOIST & MACHINE CO., Detroit, Mich. *See adv index at end of book*
Detroit Steel & Casting Co., 4069H Michigan, Detroit, Mich.
Dravo Contracting Co., 1100 Diamond Bank bldg, Pittsburgh, Pa.
Ederer Engineering Co., 2945 1st av S., Seattle, Wash.
Erie Steel Construction Co., Erie, Pa.
EUCLID CRANE & HOIST CO., Euclid, O. *See adv index at end of book*
Fairbanks Morse & Co., 900 S Wabash av, Chicago, Ill. *See adv index at end of book*
Franklin Portable Crane & Hoist Co. ("Franklin"), Franklin, Pa.
HARNISCHFEGER CORP., Milwaukee, Wis. *See adv index at end of book*
Hoist & Crane Engineering Co. (The), Engineering bldg, Liberty, New York City *See adv index at end of book*
Industrial Works (Coaling Tractor), 11th & Wash, Bay City, Mich.
Interstate Bridge & Forge & Mfg. Co., 721 Broad, Newark, N. J.
Johnston & Jennings Co., Addison rd & N. Y. C. R. R., Cleveland, O.
Kinney J. N., 30 Church, New York
Koehring Company (Drag Line), 31st & Concordia av, Milwaukee, Wis.
Lakeside Bridge & Steel Co., N. Milwaukee, Wis.
Lane Mfg. Co. ("Anderson" Rope Driven Traveling), Montpelier, Vt.
Lincoln Iron Works, Rutland, Vt.
LINK-BELT COMPANY, 300 W 39th, Chicago, Ill. *See adv index at end of book*
McMyler-Interstate Co., Cleveland, Ohio *See adv index at end of book*
Manning Maxwell & Moore Inc. (Shaw Elec. Crane Co., Div.), 100 E 42nd, New York *See adv index at end of book*
Maris Bros., 56th & Gray's av, Phila., Pa.
Milton S. G. & Son ("Champion"), Franklin, Pa.
Milwaukee Electric Crane & Mfg. Co., 60th & Greenfield av, Milwaukee, Wis.
Moore Bros. ("Speedcrane"), 39 S LaSalle, Chicago, Ill.
Morgan Construction Co., Worcester, Mass
Morgan Engineering Co., Alliance, Ohio
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*
Ohio Locomotive Crane Co., Frederick, Bucyrus, O. *See adv index at end of book*
Osgood Co., Marion, O.
Roeper Crane & Hoist Co. ("Roeper"), Reading, Pa.
Shriver T. & Co., Harrison, N. J.
Smith, Whitcomb & Cook Co., Barre, Vt.
Speidel Elevator Corp., Reading, Pa.
Toledo Crane Co., Bucyrus, Ohio
Union Tool Co. (Derrick), H, Union Oil bldg, Torrance, Cal.
Universal Crane Co. ("Universal"), Dept. H, Elyria, O.
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, O.

Cranes (Air)

See Cranes, Pneumatic

3348— Cranes (Auto Truck)

Bradney Machine Co. Inc., Middletown, N. Y.
BYERS MACHINE CO., 242 Sycamore, Ravenna, Ohio *See adv index at end of book*
Canton Fdry. & Mach. Co., Canton, Ohio *See adv index at end of book*
Gerdes & Co., 42 Church, New York *See adv index at end of book*
Vulcan Mfg. Co., 1200 4th av, So Seattle, Wash.
Weaver Mfg. Co. ("Weaver"), Springfield, Ill.

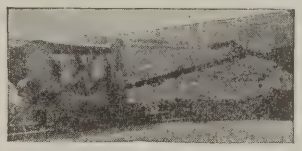
3349— Cranes (Bracket)

Armington Engng. Co., Euclid, O. *See adv index at end of book*

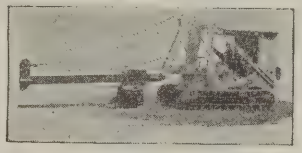
BYERS CRANES



Byers "Bear Cat" with clamshell bucket.



The "Bear Cat" is a whirlwind at a trench job with this ditcher.



With skimmer attachment, an effective tool for road grading, etc.

The All-Around Light Crane Is Byers "Bear Cat"

This wonderful little crane often does the work of much larger and heavier machines, just as fast and much more economically. Mounted on full "cats," it has traction and stability on all kinds of ground.

The "Bear Cat" is a very effective tool for handling dirt and loose materials of various kinds, ditching, excavating, grading, etc. Seven different attachments provided, interchangeable at will. Besides clamshell, ditcher and skimmer, illustrated here, it handles a shovel, dragline, backfiller, and magnet. A very strongly built machine with plenty of endurance and power.

Buyers Truckrane is a similar crane furnished unmounted for use on a motor truck chassis where traveling speed is required.

Write for complete descriptive Bulletins

THE BYERS MACHINE COMPANY
242 Sycamore Street Ravenna, Ohio
Builders of Cranes, Buckets, Hoists
Representatives in 25 cities

Brown Hoisting Machinery Co. (The), 4403 St. Clair N E, Cleveland, Ohio *See adv index at end of book*
Chambersburg Engineering Co. (Hydraulic), Chambersburg, Pa.
Champion Engrg. Co. ("Champion"), Kenton, Ohio
Curtis & Co. Mfg. Co. (Hand or Power), 1571 Kienlen av, St. Louis, Mo.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*

3350— Cranes (Bridge)

Armington Engng. Co., Euclid, O. *See adv index at end of book*
Bradney Machine Co. Inc., Middletown, N. Y.
BROWN HOISTING MACHINERY CO. (THE), 4403 St. Clair N E, Cleveland, Ohio *See adv index at end of book*
Champion Engrg. Co. ("Champion"), Kenton, Ohio
Chesapeake Iron Works, Westport, Baltimore, Md.
DETROIT HOIST & MACHINE CO., Detroit, Mich. *See adv index at end of book*



Erie Steel Construction Co., Erie, Pa.
Euclid Crane & Hoist Co., Euclid, O. *See adv index at end of book*
GRANGER CO., A. D., 17 Park Row, New York *See adv index at end of book*
Hanna Engineering Wks. (Coal & Cinder), 1764 Elston av, Chicago, Ill.
Harnischfeger Corp., Milwaukee, Wis. *See adv index at end of book*
Hesse-Ersted Iron Works, E 8th & Taylor, Portland, Ore.
Hoist & Crane Engineering Co. (The), Engineering bldg, Liberty, New York City *See adv index at end of book*
Lakeside Bridge & Steel Co., N Milwaukee, Wis.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
McMYLER-INTERSTATE CO. (THE), Cleveland, Ohio *See adv index at end of book*
Milwaukee Electric Crane & Mfg. Co., **60th & Greenfield av, Milwaukee, Wis.**
Moore Bros. ("Speedcrane"), 39 S La Salle, Chicago, Ill.
Niles-Bement-Pond Co., 111 Broadway, New York *See adv index at end of book*
Northwest Engineering Corp., 468 E Taylor, Portland, Ore.
Orton & Steinbrenner, 608H S Dearborn, Chicago, Ill.
Payne N. B. & Co., 25 Church, New York
Toledo Crane Co., Bucyrus, Ohio

Bridge Cranes

THE McMYLER INTERSTATE CO.
CLEVELAND
Sales offices in all principal cities

3350a— Cranes (Bucket)

Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa. *See adv index at end of book*
Box Alfred Co., Centario & Trenton, Phila., Pa.
Brown Hoisting Machinery Co. (The), 4403 St. Clair N E, Cleveland, O. *See adv index at end of book*
Byers Machine Co., 242 Sycamore, Ravenna, Ohio *See adv index at end of book*
Champion Engrg. Co. ("Champion"), Kenton, Ohio
Cleveland Crane & Engineering Co. (Bucket Handling), Dept. H, Wickliffe, O.
Erie Steel Construction Co., Erie, Pa.
Granger Co., A. D., 17 Park Row, New York *See adv index at end of book*
Harnischfeger Corp., Milwaukee, Wis. *See adv index at end of book*
Koehring Company, 31st & Concordia av, Milwaukee, Wis.
LINK-BELT CO., 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
McMYLER-INTERSTATE CO. (THE), Cleveland, Ohio *See adv index at end of book*
Moore Bros. ("Speedcrane"), 39 S La Salle, Chicago, Ill.
Niles-Bement-Pond Co., 111 Broadway, New York *See adv index at end of book*
Northwest Engineering Co., Green Bay, Wis.
OHIO LOCOMOTIVE CRANE CO., Frederick, Bucyrus, O. *See adv index at end of book*
Milwaukee Electric Crane & Mfg. Co., 60th & Greenfield av, Milwaukee, Wis.
Whiting Corp., Dept. H, Harvey, Ill.

3351—Cranes (Canning Factory)

Vulcan Mfg. Co., 1200 4th av, So Seattle, Wash.
Zastrow Geo. W. ("Zastrow"), 1410 Thames, Baltimore, Md.

3352— Cranes (Cantilever)

Brown Hoisting Machinery Co. (The), 4403 St. Clair N E, Cleveland, O.
See adv index at end of book
Champion Engrg. Co. ("Champion"), Kenton, Ohio
Cleveland Crane & Engineering Co., Box 152, Wickliffe, O.
Granger Co., A. D., 17 Park Row, New York
See adv index at end of book
Harnischfeger Corp., Milwaukee, Wis.
See adv index at end of book
Lakeside Bridge & Steel Co., No. Milwaukee, Wis.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
McMYLER-INTERSTATE CO. (THE), Cleveland, Ohio
See adv index at end of book
Milwaukee Electric Crane & Mfg. Co., 60th & Greenfield av, Milwaukee, Wis.
Niles-Bement-Pond Co., 111 Broadway, New York *See adv index at end of book*
Northern Engineering Works, 210 Chene, Detroit, Mich.
Orton & Steinbrenner Co., 610 S **Dearborn**, Chicago. Ill.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Toledo Crane Co., Bucyrus, Ohio
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, O.

3352a— Cranes (Caterpillar)

Byers Machine Co. The, 242 Sycamore, Ravenna, Ohio.
See adv index at end of book

3353—Cranes (Charging & Drawing)

Alliance Machine Co., Alliance, O.
Cleveland Crane & Engineering Co., Box 152, Wickliffe, O.
Morgan Engineering Co., Alliance, O.
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, O.

3354—Cranes (Charging & Truing)

Cleveland Crane & Engineering Co., Box 152, Wickliffe, O.

3354a— Cranes (Clam Shell)

Byers Machine Co. The, 242 Sycamore, Ravenna, Ohio
See adv index at end of book

3355— Cranes (Coal Storage)

Brown Hoisting Machinery Co. (The), 4403 St. Clair N E, Cleveland, O.
See adv index at end of book
Byers Machine Co., 242 Sycamore, Ravenna, Ohio *See adv index at end of book*
Dravo Contracting Co., 1100 Diamond Bank bldg, Pittsburgh, Pa.
Erie Steel Construction Co., Erie, Pa.
Harnischfeger Corp., Milwaukee, Wis.
See adv index at end of book
LINK-BELT CO., 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Northern Engineering Works, 210 Chene, Detroit, Mich.

3355a— Cranes (Concentric Traveling

Cleveland Crane & Engineering Co., (Circular Runway), Box 152, Wickliffe, O.

3355b— Cranes (Crawling)

Brown Hoisting Machinery Co. The, 4403 St. Clair N E, Cleveland, Ohio
See adv index at end of book
LINK-BELT CO., 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
McMYLER-INTERSTATE CO. (THE), Cleveland, Ohio
See adv index at end of book

Crawler Cranes

THE McMYLER INTERSTATE CO.
CLEVELAND
Sales offices in all principal cities

3356— Cranes (Derrick)

Brown Hoisting Machinery Co. (The), 4403 St. Clair N E, Cleveland, O.
See adv index at end of book
Byers Machine Co., The, 242 Sycamore, Ravenna, O. *See adv index at end of book*
Cleveland Crane & Engineering Co., Box 152, Wickliffe, O.
Clyde Iron Works Sales Co., Duluth, Minn.
See adv index at end of book
Dobbie Foundry & Machine Co., Niagara Falls, N. Y.
See adv index at end of book
Dravo Contracting Co., 1100 Diamond Bank bldg, Pittsburgh, Pa.
Dunning Carl Supply Co., Lemcke bldg, Indianapolis, Ind.
Hesse-Ersted Iron Works, E 8th & Taylor, Portland, Ore.
Hoist & Crane Engineering Co. The, Engineering bldg, Liberty, New York
See adv index at end of book
Koehring Company, 31st & Concordia av, Milwaukee, Wis.
Lakeside Bridge & Steel Co., No. Milwaukee, Wis.
OHIO LOCOMOTIVE CRANE CO., Frederick, Bucyrus, O.
See adv index at end of book
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Osgood Co., Marion, O.
Payne N. B. & Co., 25 Church. New York
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Union Tool Co., H, Union Oil bldg, Torrance, Cal.
Universal Crane Co., Dept. H, Elyria, O.

3357— Cranes (Dock)

Bradney Machine Co., Inc. (power operated), Middletown, N. Y.
Brown Hoisting Machinery Co. (The), 4403 St. Clair N E, Cleveland, O.
See adv index at end of book
BYERS MACHINE CO. (THE), 242 Sycamore, Ravenna, Ohio
See adv index at end of book
Champion Engrg. Co. ("Champion"), Kenton, Ohio
Clyde Iron Works Sales Co., Duluth, Minn.
See adv index at end of book
Dravo Contracting Co., 1100 Diamond Bank bldg, Pittsburgh, Pa.
Gerdes & Co., 42 Church, New York
See adv index at end of book
Hanna Engineering Wks., 1764 Elston av, Chicago, Ill.
KOEHRING COMPANY, 31st & Concordia av, Milwaukee, Wis.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
McMYLER-INTERSTATE CO. (THE), Cleveland, Ohio
See adv index at end of book

Dock and Port Cranes

THE McMYLER INTERSTATE CO.
CLEVELAND
Sales offices in all principal cities

Northern Engineering Works, 9 Chene, Detroit, Mich.
OHIO LOCOMOTIVE CRANE CO., Frederick, Bucyrus, O.
See adv index at end of book
Universal Crane Co., Dept. H, Elyria, O.

3357a— Cranes (Dragline)

Byers Machine Co. The, 242 Sycamore, Ravenna, Ohio
See adv index at end of book

3358—Cranes (Electric Locomotive)

Am. Hoist & Derrick Co. ("American") 63 S Robert, St. Paul, Minn.
Atlas Car & Mfg. Co., Cleveland, O.
See adv index at end of book
BROWN HOISTING MACHINERY CO. (THE), 4403 St. Clair N E, Cleveland, O. *See adv index at end of book*
Browning Co., E 162nd & Waterloo rd, N E, Cleveland, O.
BYERS MACHINE CO., THE, 242 Sycamore, Ravenna, O.
See adv index at end of book
DOBBIE FOUNDRY & MACHINE CO., Niagara Falls, N. Y.
See adv index at end of book
Elwell-Parker Electric Co. The, (Storage Battery), 4205 St. Clair av, Cleveland, Ohio
Exeter Machine Works, Pittston, Pa.
Gerdes & Co., 42 Church, New York
See adv index at end of book
Hanna Engineering Wks. ("Hanna"), 1764 Elston av, Chicago, Ill.
Industrial Works, Bay City, Mich.
Johnson & Jennings Co., Addison rd & N. Y. C. R. R., Cleveland, O.
King Philip T. (Dirs.), 30 Church, New York
Koehring Company, 31st & Concordia av, Milwaukee, Wis.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
LOCOMOTIVE CRANE CO., THE, Bucyrus, O. *See adv index at end of book*
Maine Electric Co., 35 Concord, Portland, Maine
United States Crane Co., 122 S Michigan av, Chicago, Ill.
Universal Crane Co., Dept. H, Elyria, O.

3358a—*Cranes (Electric Railway Wrecking)

OHIO LOCOMOTIVE CRANE CO., Frederick, Bucyrus, O.
See adv index at end of book
Whiting Corp., Dept. H, Harvey, Ill.

3359—Cranes (Electric Traveling)

Abell-Howe Co., 1406 S Michigan av, Chicago, Ill.
Alliance Machine Co. (Also Electric Jib), Alliance, O.
Baker Iron Works, 950 N Broadway, Los Angeles, Cal.
Barker-Foster Engineering Co., Swetland bldg, Cleveland, O.
Bedford Foundry & Machine Co., Bedford, Ind.
Box Alfred Co., Centario & Trenton, Phila., Pa.
Brosius Edgar E., Benedum Trees bldg, Pittsburgh, Pa.
Brown Hoisting Machinery Co. (The), 4403 St. Clair N E, Cleveland, O.
See adv index at end of book
Champion Engrg. Co. ("Champion"), Kenton, Ohio
Chesapeake Iron Wks., Westport, Baltimore, Md.
Cleveland Crane & Engineering Co., Box 152, Wickliffe, O.
Cleveland Punch & Shear Works Co., 3917 St. Clair av N E, Cleveland, O.
See adv index at end of book
Colby Steel & Engineering Co., Central bldg, Seattle, Wash.
Cyclops Iron Wks., 837H Folsom, San Francisco, Cal.
DETROIT HOIST & MACHINE CO., Detroit, Mich. *See adv index at end of book*
DOBBIE FOUNDRY & MACHINE CO., Niagara Falls, N. Y.
See adv index at end of book
Ederer Engineering Co., 2945 1st av S, Seattle, Wash.
Erie Steel Construction Co. ("Erie"), Erie, Pa.
Ersted Machinery Mfg. Co. ("Northwest"), E 29th & Clackamas, Portland,, Ore.
Euclid Crane & Hoist Co., Euclid, O.
See adv index at end of book

ELECTRIC TRAVELING CRANES

THE EUCLID CRANE & HOIST CO.
EUCLID, OHIO

Granger Co., A. D., 17 Park Row, New York
See adv index at end of book

ERIE ELECTRIC TRAVELING CRANES



5 to 30 TONS

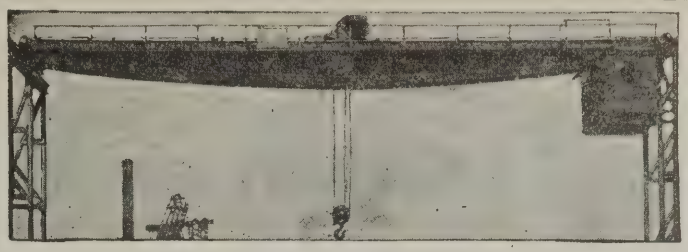
Any Span—Simple, Accessible, Durable.
A. D. GRANGER CO., 17 Park Row, N. Y.
Telephone: Rector 1492

Green L. A. (Dealer), First Nat'l Bank, Pitts, Pa.

Harnischfeger Corp., Milwaukee, Wis.
See adv index at end of book
Hoist & Crane Engineering Co. The, Engineering bldg, Liberty, New York City *See adv index at end of book*
INDUSTRIAL PLANTS CORP. (Used), 25 Church st, New York
See adv index at end of book
Johnson & Jennings Co., Addison rd & N. Y. C. R. R., Cleveland, O.
Lane Mfg. Co., Montpelier, Vt.
LINK-BELT CO., 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Luther Frederick P. Co., 14 E Jackson blvd, Chicago, Ill.
McMyler-Interstate Co. (The), Cleveland, Ohio *See adv index at end of book*
MANNING MAXWELL & MOORE INC. (Shaw Elec. Crane Co. Div.), 100 E 42nd, New York
See adv index at end of book
Maris Bros., 56th & Gray's av., Phila., Pa.
Milwaukee Electric Crane & Mfg. Co., 60th & Greenfield av, Milwaukee, Wis.
Morgan Engineering Co., Alliance, Ohio
NEW JERSEY FOUNDRY & MACHINE CO. ("Delta"), 90 West, New York
NILES-BEMENT-POND CO., 111 B'way, New York
See adv index at end of book
Northern Engineering Works, 9 Chene, Detroit, Mich.
OHIO LOCOMOTIVE CRANE CO., Frederick, Bucyrus, O.
See adv index at end of book
Payne N. B. & Co., 25 Church, New York
Roeper Crane & Hoist Works (Floor Controlled), Reading, Pa.
SCULLY JONES & CO., Railway Exchange bldg, Chicago, Ill.
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
SHEPARD ELECTRIC CRANE & HOIST CO. ("Shepard"), 406 Schuyler av, Montour Falls, N. Y.
See adv index at end of book
Shriver T. & Co., Harrison, N. J.
Smith, Whitcomb & Cook Co., Barre, Vt.
Toledo Crane Co., Bucyrus, Ohio
Triumph Ice Machine Co., Oakley, Cincinnati, O.
Whiting Corp., Dept. H, Harvey, Ill.

3359a—Cranes (Floating or Pontoon)

Brown Hoisting Machinery Co. (The), 4403 St. Clair, N. E., Cleveland, Ohio
See adv index at end of book



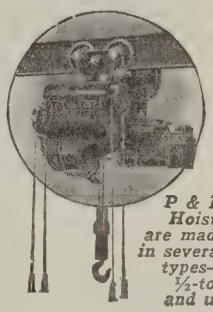
Standard Traveling Cranes

Over 7,500 P & H Electric Traveling Cranes have been put in service since the establishment of this company in 1884. They are built for every material handling service—for every type of industrial plant, railroad shop or yard, shipyard, mine, quarry, etc.

They are made for operation by D. C. or A. C. motors in varying spans and capacities.

Hoist Installations

For moderate speed standard service the type "U" hoist built in capacities of from ½ to 6 tons can be applied in any industry. For high speed heavy duty the type "O" hoist can be furnished in capacities up to 5 tons. For the lumber industry the P & H Cranes and Hoists for handling lumber units of from 2,000 to 3,000 board feet have been in successful use for 14 years. Grab Bucket Cranes and Hoists in various capacities for handling coal and other loose materials.



P & H Hoists are made in several types— ½-ton and up

HARNISCHFEGER CORPORATION
Successors to
PAWLING & HARNISCHFEGER COMPANY
Established in 1884
3861 NATIONAL AVENUE MILWAUKEE, WISCONSIN
Offices and Agents in Principal Cities

P&H CRANES and HOISTS

McMyler-Interstate Co., The, Cleveland, Ohio *See adv index at end of book*
Wellman-Seaver-Morgan Co., Cleveland, O.

3360— Cranes (Forge)

Alliance Machine Co., Alliance O.
Champion Engrg. Co. ("Champion"), Kenton, Ohio
Cleveland Crane & Engineering Co., Box 152, Wickliffe, O.
Elwell-Parker Electric Co. (The) (Electric), 4205 St. Clair av, Cleveland, Ohio
See adv index at end of book
Erie Steel Construction Co., Erie, Pa.
Euclid Crane & Hoist Co., Euclid, O.
See adv index at end of book
Harnischfeger Corp., Milwaukee, Wis.
See adv index at end of book
Johnson & Jennings Co. (Electric), Addison rd & N. Y. C. R. R., Cleveland, O.

(Continued on following page)

TRAVELING CRANES



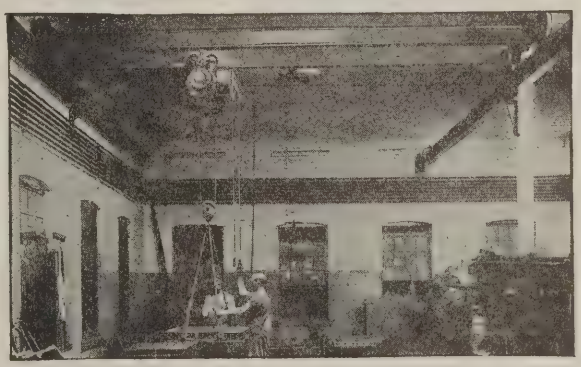
Shepard Trolley

THE Shepard *Balanced Drive*, enclosed unit construction, permanent alignment, and thorough automatic oil bath lubrication are features that contribute to the *assured service* of Shepard Electric Traveling Cranes.

Years of Crane Service

INHERENTLY sound in design and construction, Shepard Electric Traveling Cranes assure what you most desire — SERVICE. Back of each crane is a great organization of electric crane and hoist builders with many, many years of successful manufacturing in this line. Capacities 1 to 30 tons.

SINGLE I-BEAM CRANES



MAKES accessible every square foot of a bay, side balcony, or floor. Ideal for plants with limited headroom, or as an auxiliary to an electric traveling crane.

Shepard also builds:

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Morgan Engineering Co., Alliance, Ohio
Neumeyer & Dimond ("Demag" Imp), 82 Beaver, New York
Northern Engineering Works, 9 Chene, Detroit, Mich.
Reading Chain & Block Corp., Reading, Pa. *See adv index at end of book*
Toledo Crane Co., Bucyrus, Ohio
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, O.

3360a— Cranes (Foundry)

Armington Engng. Co., Euclid, O. *See adv index at end of book*
Champion Engrg. Co. ("Champion"), Kenton, Ohio
Elwell-Parker Electric Co. (The) (Electric), 4205 St. Clair av, Cleveland, Ohio *See adv index at end of book*
Erie Steel Construction Co., Erie, Pa.
Harnischfeger Corp., Milwaukee, Wis. *See adv index at end of book*
Niles-Bement-Pond Co., 111 Broadway, New York *See adv index at end of book*
READING CHAIN & BLOCK CORP., Reading, Pa. *See adv index at end of book*

3361— Cranes (Gantry)

Alliance Machine Co., Alliance, O.
American Bridge Co., 30 Church, New York
Baker Iron Works, 912 N Broadway, Los Angeles, Cal.
Box Alfred Co. (Traveling, etc.), Centario & Trenton, Phila., Pa.
Brown Hoisting Machinery Co. (The), 4403 St. Clair N E, Cleveland, O. *See adv index at end of book*
Champion Engrg. Co. ("Champion"), Kenton, Ohio
Cleveland Crane & Engineering Co., Box 152, Wickliffe, O.
Clyde Iron Works Sales Co., Duluth, Minn. *See adv index at end of book*
Curtis & Co. Mfg. Co. (Hand or Power), 1502 Kienlen av, St. Louis, Mo.
Dravo Contracting Co., 1100 Diamond Bank, bldg, Pittsburgh, Pa.
Ederer Engineering Co., 2945 1st av S, Seattle, Wash.
Erie Steel Construction Co., Erie, Pa.
Granger Co., A. D., 17 Park Row, New York *See adv index at end of book*
Harnischfeger Corp. (Electric), Milwaukee, Wis. *See adv index at end of book*
Lakeside Bridge & Steel Co., N. Milwaukee, Wis.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
McMyler-Interstate Co. (The), Cleveland, Ohio *See adv index at end of book*

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New Jersey Foundry & Machine Co. ("Delta"), 90 West, New York
NILES-BEMENT-POND CO., 111 Broadway, New York *See adv index at end of book*
Northern Engineering Works, 9 Chene, Detroit, Mich.
OHIO LOCOMOTIVE CRANE CO., Frederic, Bucyrus, O. *See adv index at end of book*
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Russel Wheel & Foundry Co., Chene Bl. R. R., Detroit, Mich.
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Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, O.
Whiting Corp., Dept. H, Harvey, Ill.
Wood R. D. & Co. (With Hydraulic Hoist & Electric Rotation), 400 Chestnut, Phila., Pa.

3361a— Cranes (Gasoline Power)

Byers Machine Co. (The), 242 Sycamore, Ravenna, Ohio *See adv index at end of book*

3362— Cranes (Grab Bucket)

Byers Machine Co., The, 242 Sycamore, Ravenna, O. *See adv index at end of book*
Erie Steel Construction Co., Erie, Pa.
Granger Co., A. D., 17 Park Row, New York *See adv index at end of book*
HARNISCHFEGER CORP. (Electric), Milwaukee, Wis. *See adv index at end of book*
Johnston & Jennings Co., Addison road & N. Y. C. R. R., Cleveland, O.
Koehring Company, 31st & Concordia av, Milwaukee, Wis.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
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Northern Engineering Works, 9 Chene, Detroit, Mich.
OHIO LOCOMOTIVE CRANE CO., Frederic, Bucyrus, O. *See adv index at end of book*
SHEPARD ELECTRIC CRANE & HOIST CO., 406 Schuyler av, Montour Falls, N. Y. *See adv index at end of book*
Universal Crane Co., Dept. H, Elyria, O.

3362a—Cranes (Hammer-head)

Brown Hoisting Machinery Co., The, 4403 St. Clair, N E, Cleveland, Ohio
McMyler-Interstate Co. (The), Cleveland, Ohio *See adv index at end of book*
Wellman-Seaver-Morgan Co., Cleveland, O.

3363—Cranes (Hand Power)

Alliance Machine Co., Alliance, O.
ARMINGTON ENGNG. CO., Euclid, O. *See adv index at end of book*
Box Alfred Co. (Traveling), Centario & Trenton, Phila., Pa.
Brown Hoisting Machinery Co. (The), 4403 St. Clair N E, Cleveland, O. *See adv index at end of book*
Busch J. C. Co., 140 Ferry, Milwaukee, Wis.
Channon Jas. H. Mfg. Co. (Jib, Traveling, etc), 227 W Erie, Chicago, Ill.
Cleveland Crane & Engineering Co. (50 lbs.-50 tons), Dept. H, Wickliffe, O.
Clyde Iron Works Sales Co., Duluth, Minn. *See adv index at end of book*
Coburn Trolley Track Mfg. Co. (And Hand Power Traveling), P. O. Box 127, Holyoke, Mass.
Curtis & Co., Mfg. Co., 1502 Kienlen av, St. Louis, Mo.
Cyclops Iron Wks., 837H Folsom, San Francisco, Cal.
DETROIT HOIST & MACHINE CO., Detroit, Mich. *See adv index at end of book*
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Ederer Engineering Co., 2945 1st av S, Seattle, Wash.
Erie Steel Construction Co., Erie, Pa.
EUCLID CRANE & HOIST CO., Euclid, O. *See adv index at end of book*
Exeter Machine Works, Pittston, Pa.
Harnischfeger Corp. (Traveling), Milwaukee, Wis. *See adv index at end of book*
Harrington Edw. Son & Co., 17th & Callowhill, Phila., Pa.
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Industrial Works, Bay City, Mich.
Johnston & Jennings Co., Addison road & N. Y. C. R. R., Cleveland, O.
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Moore Franklin Co., Winsted, Conn.
NEW JERSEY FOUNDRY & MACHINE CO. ("Delta"), 90 West, New York
NILES-BEMENT-POND CO., 111 Broadway, New York *See adv index at end of book*
Northern Engineering Works, 9 Chene, Detroit, Mich.
Palmer-Bee Co. (I-Beam), 2778 E Grand blvd, Detroit, Mich.
Payne N. B. & Co., 25 Church, New York
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Richards-Wilcox Mfg. Co., Aurora, Ill. *See adv index at end of book*
Roeper Crane & Hoist Works (Traveling, etc), Reading, Pa.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
St. Cloud Iron Works Co. (Hand Power Traveling), St. Cloud, Minn.
Shriver T. & Co., Harrison, N. J.
Speidel Elevator Corp., (Hand Power Traveling), Reading, Pa.
Toledo Crane Co., Bucyrus, Ohio
Triumph Ice Machine Co., Oakley, Cincinnati, O.
William A-Box Iron Works, 230 Blake, Denver, Colo.

3364—Cranes (Hand Traveling)

Armington Engng. Co., Euclid, O. *See adv index at end of book*

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EUCLID, OHIO

Baker Iron Works, 912 N Broadway, Los Angeles, Cal.
Box Alfred Co., Centario & Trenton, Phila, Pa.
Brown Hoisting Machinery Co. (The), 4403 St. Clair N E, Cleveland, O. *See adv index at end of book*
Busch J. C. Co., 140 Ferry, Milwaukee, Wis.
Case Crane & Engineering Co., Columbus, O.
Chisholm-Moore Mfg. Co. (Chain), 5046 Lakeside, Cleveland, O.
Coburn Trolley Track Mfg. Co. ("Coburn"), P. O. Box 127, Holyoke, Mass.
Curtis & Co. Mfg. Co., 1571 Kienlen av, St. Louis, Mo.
DETROIT HOIST & MACHINE CO., Detroit, Mich. *See adv index at end of book*
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Erie Steel Construction Co., Erie, Pa.
Euclid Crane & Hoist Co., Euclid, O. *See adv index at end of book*
Fulton Iron Works Co., 1259 Delaware av, St. Louis, Mo.
Harnischfeger Corp., Milwaukee, Wis. *See adv index at end of book*
Harrington Edw. Son & Co. (Chain), 17th & Callowhill, Phila., Pa.
Hoist & Crane Engineering Co. (The), Engineering bldg, Liberty, New York City *See adv index at end of book*
Johnston & Jennings Co., Addison road & N. Y. C. R. R., Cleveland, O.
N. J. Fdry. & Mach. Co., 90 West, New York
Northern Engineering Works, 9 Chene, Detroit, Mich.
Palmer-Bee Co. (I-Beam), 2778 E Grand blvd, Detroit, Mich.
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Pullinger George S. Co., East Stroudsburg, Pa.
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Roeper Crane & Hoist Works, Reading, Pa.
Speidel Elevator Corp., Reading, Pa.
Whiting Corp., Dept. H, Harvey, Ill.
Wright Mfg. Co., Lisbon, O.
Yale & Towne Mfg. Co. (Chain), 9 E 40th, New York

3364a— Cranes (Hoist)

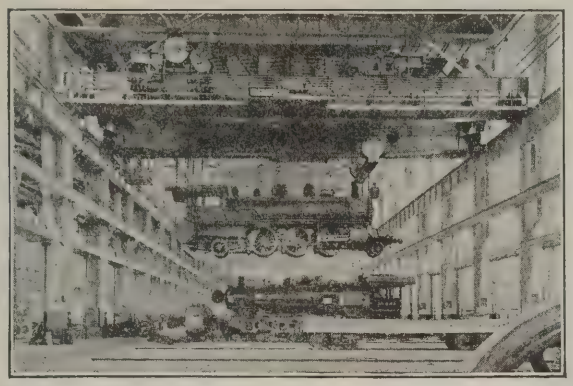
Byers Machine Co., 242 Sycamore, Ravenna, Ohio. *See adv index at end of book*
Harnischfeger Corp., Milwaukee, Wis. *See adv index at end of book*
Hoist & Crane Engineering Co., Engineering bldg, Liberty, New York *See adv index at end of book*
LINK-BELT CO., 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Payne N. B. & Co., 25 Church, New York
Reading Chain & Block Corp., Reading, Pa. *See adv index at end of book*

3365— Cranes (Hydraulic)

Chambersburg Eng. Co. (Radical or Traveling), Chambersburg, Pa.
Cleveland Crane & Engineering Co., Dept. H, Wickliffe, O.
Morgan Const. Co., Worcester, Mass.
Morgan Engineering Co., Alliance, Ohio
Payne N. B. & Co., 25 Church, New York

(*Continued on page 918*)

MANNING, MAXWELL & MOORE, Inc. SHAW CRANES



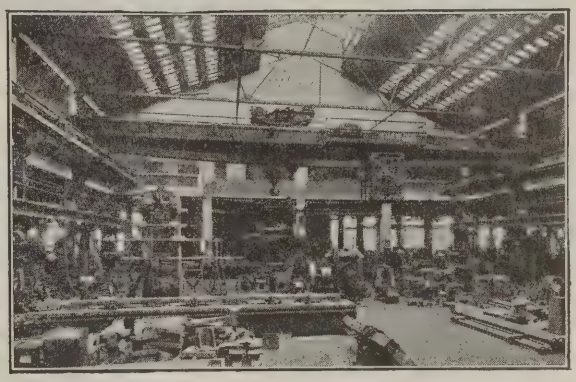
250 Ton Shaw Crane in Locomotive Erecting Shop



60 Ton Shaw Crane in Foundry



30 Ton Shaw Yard Crane Outside of Shop



30 Ton Shaw Crane in Shop

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Foundry Cranes
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3366—Cranes (Ingot Stripping)

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Morgan Engineering Co., Alliance, Ohio

3367— Cranes (Jib)

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Exeter Machine Works, Pittston, Pa.
Granger Co., A. D., 17 Park Row, New York *See adv index at end of book*
Hoist & Crane Engineering Co. (The), Engineering bldg, Liberty, New York City *See adv index at end of book*
Lakeside Bridge & Steel Co., N Milwaukee, Wis.
LINK-BELT COMPANY, 300 W. Pershing rd, Chicago, Ill. *See adv index at end of book*
McMyler Interstate Co. (The), Cleveland, Ohio. *See adv index at end of book*
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Morgan Engineering Co. (For Rolling Mills, etc.), Alliance, Ohio.
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Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*
Northern Engineering Works (Electric, Hand & Pneumatic), 9 Chene, Detroit, Mich.
Richards-Wilcox Mfg. Co., Aurora, Ill. *See adv index at end of book*
Ridgway Craig & Son Co., Coatesville, Pa.
SHEPARD ELECTRIC CRANE & HOIST CO., 406 Schuyler av, Montour Falls, N. Y. *See adv index at end of book*
SOUTHWARK FOUNDRY & MACHINE CO. (Hydraulic), 1128 S 4th, Phila., Pa. *See adv index at end of book*
Speidel Elevator Corp., Reading, Pa.
Vulcan Mfg. Co., 1200 4th av, So Seattle, Wash.
Whiting Corp., Dept. H, Harvey, Ill.
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William A-Box Works Co., 3309 Blake, Denver, Colo.
Wright David A., Inc., Jefferson & Monroe, Chicago, Ill.

3368—Cranes (Jib, Electric Walking)

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Dillon-Box Iron Works Co., Denver, Colo.
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Toledo Crane Co., Bucyrus, Ohio

3369— Cranes (Ladle)

Alliance Machine Co. (Electric), Alliance, O.
Armington Engng. Co., Euclid, O. *See adv index at end of book*
Champion Engrg. Co. ("Champion"), Kenton, Ohio
Cleveland Crane & Engineering Co., Box 152, Wickliffe, O.
Erie Steel Construction Co., Erie, Pa.
Harnischfeger Corp., Milwaukee, Wis. *See adv index at end of book*
Morgan Engineering Co., Alliance, Ohio.
Northern Engineering Works, 9 Chene, Detroit, Mich.
Toledo Crane Co., Bucyrus, Ohio
William A-Box Works Co., 3309 Blake, Denver, Colo.

3370— Cranes (Locomotive)

American Crane & Engineering Co., Toledo, O.
American Hoist & Derrick Co., St. Paul, Minn.
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Bucyrus Co., So. Milwaukee, Wis.
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Exeter Machine Works (With Grab Buckets, etc), Pittston, Pa.
Gerdes & Co., 42 Church, New York *See adv index at end of book*
Granger Co., A. D., 17 Park Row, New York *See adv index at end of book*
Green L. A., First Nat'l Bank bldg, Pittsburgh, Pa.
Hanna Engineering Works ("Hanna" Gasoline Oil), 1764 Elston av, Chicago, Ill.
Harnischfeger Corp., Milwaukee, Wis. *See adv index at end of book*
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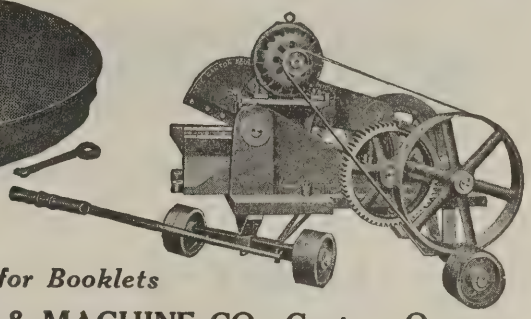
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3371— Cranes (Locomotive, Steam)

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See adv index at end of book
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Northwest Engineering Works, Green Bay, Wis.
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Orton & Steinbrenner Co. ("O. S. Dependable"), 610H S Dearborn, Chicago, Ill.

3372— Cranes (Logging)

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Byers John F. Machine Co., 242 Sycamore, Ravena, O. *See adv index at end of book*
Clyde Iron Works Sales Co., Duluth, Minn
See adv index at end of book
Harnischfeger Corp., Milwaukee, Wis.
See adv index at end of book
Industrial Works, Bay City, Mich.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
McMyler-Interstate Co. (The), Cleveland, Ohio *See adv index at end of book*
OHIO LOCOMOTIVE CRANE CO., Frederick, Bucyrus, O.
See adv index at end of book
Phoenix Mfg. Co. (Direct Acting Steam), Eau Claire, Wis.
Universal Crane Co., Dept. H, Elyria, O.

3372a— Cranes (Magnet)

Byers Machine Co. (The), 242 Sycamore, Ravenna, Ohio
See adv index at end of book
Manning, Maxwell & Moore, Inc. (Shaw Electric Crane Div.), 101 E 42nd, New York
See adv index at end of book

3373— Cranes (Mail)

Columbian Mail Crane Co. ("Columbian" Mail), Columbus, O.
Ederer Engineering Co., 2945 1st av, S Seatttle, Wash.

3373a— Cranes (Mill Type)

Champion Engrg. Co. ("Champion"), Kenton, Ohio
Ersted Machy. Mfg. Co. ("Northwest" Lbr.), E 29th & Clackamas, Portland, Ore.
Harnischfeger Corp., Milwaukee, Wis.
See adv index at end of book
Northwest Engineering Corp., 468 E Taylor, Portland, Ore.
Pawling & Harnischfeger Co., Milwaukee, Wis. *See adv index at end of book*
Puget Sound Iron & Steel Wks. (Saw Mill), Tacoma, Wash.

3373b— Cranes (Overhead Electric)

Champion Engrg. Co. ("Champion"), Kenton, Ohio
Baker Iron Works, 912 N Broadway, Los Angeles, Cal.
Erie Steel Construction Co., Erie, Pa.
Harnischfeger Corp., Milwaukee, Wis.
See adv index at end of book
Hoist & Crane Engineering Corp., Engineering bldg, Liberty, New York City
See adv index at end of book
Niles-Bement-Pond Co., 111 Broadway, New York *See adv index at end of book*
Northern Engineering Works, 9 Chene, Detroit, Mich.
Payne N. B. & Co., 25 Church, New York

3373c— Cranes (Pile)

McMyler-Interstate Co. (The), Cleveland, Ohio *See adv index at end of book*

3374— Cranes (Pillar)

Alliance Machine Co., Alliance, O.
American Crane & Engineering Co., Toledo, O.
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Curtis & Co., Mfg. Co., 1502 Kienlen av, St. Louis, Mo.
Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn.
See adv index at end of book
Harnischfeger Corp. (Electric Jib), Milwaukee, Wis.
See adv index at end of book
Industrial Works (Pillar & Transfer for Use in Handling Freight), Bay City, Mich.
McMyler-Interstate Co. (The), Cleveland, Ohio *See adv index at end of book*
Milwaukee Electric Crane & Mfg. Co., 60th & Greenfield av, Milwaukee, Wis.
Morgan Engineering Co., Alliance, O.
Niles-Bement-Pond Co., 111 Broadway, New York *See adv index at end of book*
Northern Engineering Works, 9 Chene, Detroit, Mich.
Ohio Locomotive Crane Co., Frederick, Bucyrus, O. *See adv index at end of book*
Orton & Steinbrenner Co., 610H S Dearborn, Chicago, Ill:
Speidel Elevator Corp., Reading, Pa.
Universal Crane Co., Dept. H, Elyria, O.
Whiting Corp., Dept. H, Harvey, Ill.

3375— Cranes (Pit)

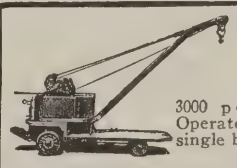
Curtis & Co. Mfg. Co., 1571 Kienlen av, St. Louis, Mo.

3376— Cranes (Pneumatic)

Curtis & Co. Mfg. Co. ("Curtis" Traveling, etc.), 1551 Kienlen av, St. Louis, Mo.
DETROIT HOIST & MACHINE CO., Detroit, Mich. *See adv index at end of book*
Northern Engineering Works, 9 Chene, Detroit, Mich.
Ridgway, Craig & Son Co., Coatesville, Pa.
Triumph Ice Machine Co., Oakley, Cincinnati, O.
Vaughn Machinery Co. (For Wire Mill Cleaning, House & Annealing), Cuyahoga Falls, O.

3377— Cranes (Portable)

Abell-Howe Co., 1406 S Michigan av, Chicago, Ill.
Brown Hoisting Machinery Co., 4403 St. Clair, N E, Cleveland, O.
See adv index at end of book
Byers Machine Co., The, 242 Sycamore, Ravenna, O. *See adv index at end of book*
CANTON FDRY. & MACH. CO. ("Canton"), Canton, Ohio
See adv index at end of book
Channon James H. Mfg. Co., 227H W Erie, Chicago, Ill.
DETROIT HOIST & MACHINE CO., Detroit, Mich. *See adv index at end of book*
Elwell-Parker Electric Co. (The) (Electric), 4205 St. Clair av, Cleveland, Ohio
See adv index at end of book

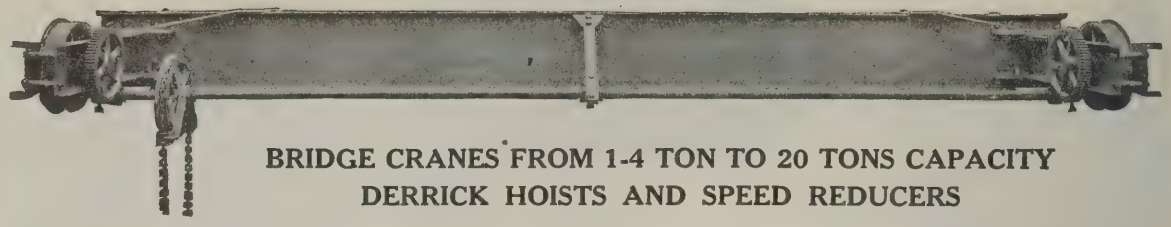


Cranes
Portable Electric
3000 pound capacity. Operates all day on single battery charge.
Catalog 145
The Elwell-Parker Electric Co., Cleveland

Ellwood Foundry & Mach. Co., Ellwood City, Pa.
Euclid Crane Hoist Co., Euclid, O.
See adv index at end of book
Franklin Portable Crane & Hoist Co. ("Franklin," All Iron on Wheels), Franklin, Pa.
HARNISCHFEGER CORP., Milwaukee, Wis.
See adv index at end of book
Hesse-Ersted Iron Works, E 8th & Taylor, Portland, Ore.
Koehring Company, 31st & Concordia av, Milwaukee, Wis.
Lafayette Engineering Co., Lafayette, Ind.
Lederle Robt. B., Witherspoon bldg, Phila., Pa.
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
Manley Mfg. Co. ("Manley Hillte"), York, Pa.
Milton S. G. & Son ("Champion" Portable Crane & Hoist), Franklin, Pa.
Moore Bros. ("Speedcrane"), 39 S La Salle Chicago, Ill.

(Continued on following page)

CRANES—HOISTS—WINCHES



BRIDGE CRANES FROM 1-4 TON TO 20 TONS CAPACITY
DERRICK HOISTS AND SPEED REDUCERS

HOIST & CRANE ENGINEERING CO.
Engineering Building, Liberty Street
NEW YORK CITY

Cranes (Portable)—Continued

New Jersey Foundry & Machine Co. ("Delta"), 90 West, New York
Ohio Locomotive Crane Co., Frederick, Bucyrus, O. *See adv index at end of book*
Payne N. B. & Co., 25 Church, New York
Pull-U-Out Products Co., 220 S 8th, St. Louis, Mo.
Round D. & Son., Penn R. R. & Henry, Cleveland, O.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Universal Crane Co., Dept H, Elyria, Ohio

3378— Cranes (Portable Shop)

Bradney Machine Co., Inc., Middletown, N. Y.
Cameron Engineering Co., E Stroudsburg, Pa.
Canton Fdry. & Mach. Co., Canton, Ohio *See adv index at end of book*
Dopp J. W. & Co. (Dealers), 18 W Columbia, Detroit, Mich.
Elwell-Parker Electric Co. (The) (Electric), 4205 St. Clair av, Cleveland, Ohio *See adv index at end of book*
Gerdes & Co., 42 Church, New York *See adv index at end of book*

Cranes (Railroad)

See Cranes, Wrecking

3378a— Cranes (Revolving)

Byers Machine Co., 242 Sycamore, Ravenna, Ohio. *See adv index at end of book*
Elwell-Parker Electric Co. (The) (Electric), 4205 St. Clair av, Cleveland, Ohio *See adv index at end of book*
Erie Steam Shovel Co., Erie, Pa.
Gerdes & Co., 42 Church, New York *See adv index at end of book*
Koehring Company, 31st & Concordia av, Milwaukee, Wis.
LINK-BELT CO., 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
McMyler-Interstate Co. (The), Cleveland, Ohio *See adv index at end of book*
Moore Bros. ("Speedcrane"), 39 S La Salle, Chicago, Ill.

3379— Cranes (Riveting)

Alliance Machine Co., Alliance, O.
Champion Engineering Co. ("Champion"), Kenton, Ohio
Hanna Engineering Works, 1764 Elston av, Chicago, Ill.
Harnischfeger Corp., Milwaukee, Wis. *See adv index at end of book*
Morgan Engineering Co. (Electric, etc.), Alliance, O.
Northern Engineering Works, 9 Chene, Detroit, Mich.

3379a—*Cranes (Roundhouse - Patented)

Champion Engrg. Co. ("Champion"), Kenton, Ohio
Elwell-Parker Electric Co. (The) (Electric), 4205 St. Clair av, Cleveland, Ohio *See adv index at end of book*
Whiting Corp., Dept. H, Harvey, Ill.

3379b—Cranes (Self-Compensating)

Gerdes & Co., 42 Church, New York *See adv index at end of book*

3379c— Cranes (Shipyard)

Brown Hoisting Machinery Co., The, 4403 St. Clair, N E, Cleveland, Ohio *See adv index at end of book*
Champion Engrg. Co. ("Champion"), Kenton, Ohio
Harnischfeger Corp., Milwaukee, Wis. *See adv index at end of book*
LINK-BELT CO., 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
McMyler-Interstate Co. (The), Cleveland, Ohio *See adv index at end of book*
Niles-Bement-Pond Co., 111 Broadway, New York *See adv index at end of book*

3380— Cranes (Soaking Pit)

Am. Hoist & Derrick Co. ("American"), 63 S Robert, St. Paul, Minn.
Fulton Iron Works, 1259 Delaware av, St. Louis, Mo.
Milwaukee Electric Crane & Mfg. Co., 60th & Greenfield av, Milwaukee, Wis.
Morgan Engineering Co, Alliance, O.

3380a—*Cranes (Sugar House)

Champion Engineering Co. ("Champion"), Kenton, Ohio
Fulton Iron Works Co., 1295 Delaware av, St. Louis, Mo.
Honolulu Iron Works Co., 233 Broadway, New York

3381— Cranes (Top Braced)

Cleveland Crane & Engineering Co., Box 152, Wickliffe, O.
EUCLID CRANE & HOIST CO., Euclid O. *See adv index at end of book*

3382—*Cranes (Tower Riveting)

Champion Engineering Co. ("Champion"), Kenton, Ohio
Morgan Engineering Co., Alliance, O.

3382a— Cranes (Traction)

Byers Machine Co. (The), 242 Sycamore, Ravenna, Ohio *See adv index at end of book*
LINK-BELT CO., 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
McMYLER - INTERSTATE CO. (THE), Cleveland, Ohio *See adv index at end of book*

Traction Cranes

THE McMYLER INTERSTATE CO.
CLEVELAND
Sales offices in all principal cities

3383— Cranes (Transfer)

Brown Hoisting Machinery Co., 4403 St. Clair, N E, Cleveland, O. *See adv index at end of book*
Byers Machine Co., The, 242 Sycamore, Ravenna, O. *See adv index at end of book*
Cleveland Crane & Engineering Co., Box 152, Wickliffe, O.
Curtis & Co., Mfg. Co., 1502 Keinlen av, St. Louis, Mo.
Erie Steel Construction Co., Erie, Pa.
EUCLID CRANE & HOIST CO., Euclid, O. *See adv index at end of book*
Harnischfeger Co., Milwaukee, Wis. *See adv index at end of book*
Hoist & Crane Engineering Co. (The), Engineering bldg, Liberty, New York City *See adv index at end of book*
Industrial Works (For Station Use in Handling Freight), Bay City, Mich.
Koehring Company, 31st & Concordia av, Milwaukee, Wis.
Lakeside Bridge & Steel Co., N. Milwaukee, Wis.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
MANNING, MAXWELL & MOORE, INC., (Shaw Elec. Crane Co. Div.), 100 E 42nd, New York *See adv index at end of book*
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.
Milwaukee Electric Crane & Mfg. Co., 60th & Greenfield av, Milwaukee, Wis.
New Jersey Foundry & Machine Co. 90 West, New York
Niles-Bement-Pond Co., 111 Broadway, New York *See adv index at end of book*
Ohio Locomotive Crane Co., Frederick, Bucyrus, Ohio *See adv index at end of book*
Richards-Wilcox Mfg. Co., Aurora, Ill. *See adv index at end of book*
Roeper Crane & Hoist Works, Reading, Pa.
SHEPARD ELECTRIC CRANE & HOIST CO., 406 Schuyler av, Montour Falls, N. Y. *See adv index at end of book*
Speidel Elevator Corp., Reading, Pa.
Toledo Crane Co., Bucyrus, Ohio
Whiting Corp, Dept. H, Harvey, Ill.
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.

3384— Cranes (Traveling)

See also Cranes, Electric Traveling
Alliance Machine Co., Alliance, Ohio
Am. Hoist & Derrick Co. ("American"), 63 S Robert, St. Paul, Minn.
Armington Engineering Co., Euclid, Ohio *See adv index at end of book*
Baker Iron Works, Los Angeles, Cal.
Box Alfred Co. (Hand & Poker), Centario & Trenton, Phila., Pa.
Brown Hoisting Machinery Co. (The), 4403 St. Clair, N.E., Cleveland, Ohio *See adv index at end of book*
Case Crane & Engineering Co., Columbus, Ohio
Chambersburg Engineering Co. (Hydraulic), Chambersburg, Pa.
Champion Engrg. Co. ("Champion"), Kenton, Ohio
Cleveland Crane & Engineering Co., Box 152, Wickliffe, O.
Cleveland Punch & Shear Works Co. (Electric), 3917 St. Clair av N E, Cleveland, O. *See adv index at end of book*
Coburn Trolley Track Mfg. Co. (Hand Power), P. O. Box 127, Holyoke, Mass.
Curtis & Co., Mfg. Co. (For Hand or Pneumatic Power), 1502 Kienlen av, St. Louis, Mo.
DETROIT HOIST & MACHINE CO., Detroit, Mich. *See adv index at end of book*
Dravo Contracting Co., 1100 Diamond Bank bldg, Pittsburgh, Pa.
Erie Steel Construction Co., Erie, Pa.

Euclid Crane & Hoist Co. (Electric), Euclid, O. *See adv index at end of book*

OVERHEAD TRAVELING CRANES

THE EUCLID CRANE & HOIST CO.
EUCLID, OHIO

Exeter Machine Works, Pittston, Pa.
Fulton Iron Works Co., 1259 Delaware av, St. Louis, Mo.
GRANGER CO., A. D. (Overhead), 17 Park Row, New York
See adv index at end of book
Granite City Iron Works Co. (Steel), St. Cloud, Minn.
Hanna Engineering Co., 1764 Elston av, Chicago, Ill.
HARNISCHFEGER CORP. (Electric and Hand Power), Milwaukee, Wis.
See adv index at end of book
Harrington Edwin Son & Co. (Hand), 17th & Callowhill, Phila., Pa.
Hoist & Crane Engineering Co. (The), Engineering bldg, Liberty, New York City
See adv index at end of book
Johnston & Jennings Co. (Hand Power), Addison rd & N. Y. C. R. R., Cleveland, O.
Lakeside Bridge & Steel Co., No. Milwaukee, Wis.
Lane Mfg. Co. ("Anderson" Rope Driven), Montpelier, Vt
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Morgan Engineering Co. (Electric), Alliance, O.
New Albany Machine Mfg. Co. (Single Motor, Electric), New Albany, Ind.
New Jersey Foundry & Machine Co. 90 West, New York
Niles-Bement-Pond Co., 111 Broadway, New York *See adv index at end of book*
Northern Engineering Works (Electric & Hand), 9 Chene, Detroit, Mich.
Northwest Engineering Co. ("Northwest"), Green Bay, Wis.
OHIO LOCOMOTIVE CRANE CO., Frederick, Bucyrus, Ohio
See adv index at end of book
Osgood Co., Marion, O.
Payne N. B. & Co., 25 Church, New York
PITTSBURGH-DES MOINES STEEL CO., (Trestle Work for), 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
RICHARDS-WILCOX MFG. CO., Aurora, Ill. *See adv index at end of book*
Roeper Crane & Hoist Works (Hand Power), Reading, Pa.
Sasgen Derrick Co. ("Sasgen" Hand Power for Stone Yards Laying, Sewer Pipe, etc), 3101 W Grand av, Chicago, Ill.
Shriver T. & Co. (Electric, etc), Harrison, N. J.
Speidel Elevator Corp. (Hand Power), Reading, Pa.
Toledo Crane Co., Bucyrus, Ohio
Universal Crane Co., Dept H, Elyria, Ohio
Whitehead & Kales Iron Works (Hand), Beecher & M. C. RR, Detroit, Mich.
William A-Box Iron Works Co., 3309 Blake, Denver, Colo.
Wright David A., Inc., Jefferson & Monroe, Chicago, Ill.

3385— Cranes (Truck)

Baker Iron Works, 912 N Broadway, Los Angeles, Cal.
Byers Machine Co., The, 242 Sycamore, Ravenna, O. *See adv index at end of book*
Gerdes Co., 42 Church, New York.
See adv index at end of book
Hanna Engineering Works, 1764 Elston av, Chicago, Ill.
Hoist & Crane Engineering Co. (The), Engineering bldg, Liberty, New York
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
MOORE BROS., 39 S La Salle, Chicago, Ill.
Northern Engineering Works, 9 Chene, Detroit, Mich.
Ohio Locomotive Crane Co., Frederick, Bucyrus, Ohio
See adv index at end of book
Universal Crane Co., Dept H, Elyria, Ohio

3385a— *Cranes (Wall)

Champion Engrg. Co. ("Champion"), Kenton, Ohio
Granger Co., A. D., 17 Park Row, New York
See adv index at end of book
Harnischfeger Corp., Milwaukee, Wis.
See adv index at end of book
Niles-Bement-Pond Co., 111 Broadway, New York *See adv index at end of book*

3385b— Cranes (Water)

Fairbanks Morse & Co. ("Sheffield"), 900 S Wabash av, Chicago
See adv index at end of book

3386—Cranes (Water, For Sprinkling Wagons)

Ludlow Valve Mfg. Co. (For Sprinkling Carts, etc), ft of Adams, Troy, N. Y.

3387—Cranes (Water, Locomotive)

See also Water Columns or Stations, Railroad
American Valve & Meter Co. ("Poage's" Automatic), Cincinnati, O.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.
Ohio Locomotive Crane Co., Frederick, Bucyrus, Ohio
See adv index at end of book
Snow T. W. Construction Co. ("Snow-Moore"), 332 S La Salle, Chicago, Ill.
U. S. Wind Engine & Pump Co., Batavia, Ill.

3387a— Cranes (Wharf)

Am. Hoist Derrick Co. ("American"), 63 S Robert, St. Paul, Minn.
Brown Hoisting Machinery Co. (The), 4403 St. Clair, N E, Cleveland, Ohio
See adv index at end of book
Byers Machine Co., 242 Sycamore, Ravenna, Ohio *See adv index at end of book*
Champion Engrg. Co. ("Champion"), Kenton, Ohio
Ohio Locomotive Crane Co., Frederick, Bucyrus, Ohio
See adv index at end of book

3387b— *Cranes (Wire)

Cleveland Crane & Engineering Co. (Wire Mill), Dept H, Wickliffe, Ohio
Vaughn Machinery Co., Cuyahoga Falls, O.

3388— Cranes (Wrecking)

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Browning Co., E 162nd & Waterloo rd, N E, Cleveland, O.
Bucyrus Co., South Milwaukee, Wis.
Canton Fdry. & Mach. Co. (for Auto Service Trucks), Canton, Ohio
See adv index at end of book
Champion Engineering Co. ("Champion"), Kenton, Ohio
Industrial Works (Electric, Steam & Hand Power), Bay City, Mich.
McMYLER - INTERSTATE CO. (THE), (Railway), Cleveland, Ohio
See adv index at end of book
Manley Mfg. Co., York, Pa.
Mount Vernon Car Mfg. Co., Mount Vernon, Ill.
OHIO LOCOMOTIVE CRANE CO., Frederick, Bucyrus, Ohio
See adv index at end of book

3389—Crank Turning Device

Colby Steel & Engineering Co., Central bldg, Seattle, Wash.
Hill-Standard Mfg. Co. ("Hill"), Anderson, Ind.

3390— Cranks (Auger)

Auer John Jr., 197 Middleton, Brooklyn, N. Y.

3390a—Cranks (Automobile Starting)

Cincinnati Ball Crank Co. ("Balcrank"), North Oakley, Cincinnati, Ohio
Sterling Products Corp. ("Sterling"), 2914 N Market, St. Louis, Mo.

3391— Cranks (Ball)

Cincinnati Ball Crank Co. (Steel), North Oakley, Cincinnati, O.
Cincinnati Screw Co., Twightwee, Cincinnati, O.

3392— Crankshafts

See also Crankshafts, Gas Engine; also Crankshafts, Automobile; also Forgings, Various Kinds
Allegheny Forging Co., Keenan bldg, Pittsburgh, Pa.
American Forge Works, 1428 13th, Denver, Colo.
Atlas Drop Forge Co., Lansing, Mich.
Bacon & Matheson Forge Co. (Drop (Forged), 17H W. Lander, Seattle, Wash.
Bay City Forge Co. (Smooth Forged, Finished or Semi-Finished), 1820 Cranberry, Erie, Pa.
Bethlehem Shipbuilding Corp., Ltd., 20th & Michigan, San Francisco, Cal.
Birdsboro Steel Foundry & Machine Co. (Cast Steel), Birdsboro, Pa.
Bonney-Floyd Co. (Cast Steel), Columbus, O.
Boston Forge Co., E. Boston, Mass.
Braeburn Steel Co. (Steel), Braeburn, Pa.
Bryleon Steel Casting Co. (Cast Steel), New Castle, Del.
Camden Forge Co. (Pump), Camden, N. J.
CANTON DROP FORGING & MFG. CO. (THE), Canton, Ohio.
Carbon Steel Co. (Nickel, Steel, etc), ft 32d, Pittsburgh, Pa.
Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
Chester Steel Castings Co. (Cast Steel), Chester, Pa., & 407 Sansom, Phila., Pa.
Crucible Steel Co. of America (Forged & Rough Turned), Oliver bldg, Pittsburgh, Pa.
Cruse-Crawford Mfg. Co., 2101H av, B, Birmingham, Ala.
Driggs-Seabury Ordnance Co., Sharon, Pa.
Ellwood City Forge Co., Ellwood City, Pa.
Erie Forge Co., Erie, Pa.
General Drop Forge Co., 1738 Elmwood av, Buffalo, N. Y.
Gill P. H. & Sons (Finished), 2 Lorraine, Brooklyn, N. Y.
Hammond Steel Co., Inc., Solvay, N. Y.
Heimbacher Forge and Rolling Mills Co., Syndicate Trust bldg, St. Louis, Mo.
Horsburgh Forge Co., 17310 St. Clair, Cleveland, O.
Jackson Motor Shaft Co., Jackson, Mich.
Joliet Forge Co., Irving & Franklin, Joliet, Ill.
KROPP FORGE CO., 5301 Roosevelt rd, Chicago, Ill.
See adv index at end of book
Ladish Drop Forge Co. (Finished & Unfinished), Cudahy, Wis.
Lake Erie Forge & Machine Co., Cleveland, O.
Lansing Forge Co., Lansing, Mich.
Leard, Wm. Co., 16th & 5th av, New Brighton, Pa.
Leitelt Adolph Iron Works, Grand Rapids, Mich.
Leland-Gifford Co., Worcester, Mass.
McInnes Steel Co., Ltd. (Hammered Steel Forgings), Corry, Pa.
Metal & Thermit Corp. (Repairs by Thermit Welding), 120 B'way, New York
Midvale Co. (Solid & Built-up, Rough Machined or Finished Machined), Nicetown, Phila., Pa.
Modern Die & Drop Forge Co., H 139th, Blue Island, Ill.
Moore Drop Forging Co., Springfield, Mass.
National Forge & Tool Co., Irvine, Pa.
Page, Storms Drop Forge Co. (Drop Forged), Chicopee, Mass.
Park Drop Forge Co., 760 E 79th, Cleveland, O.
Pennington Geo. W. Sons, Inc., 335 Folsom, San Francisco, Cal.
Pennsylvania Forge Co., Ashland & Bath, Bridesburg, Philadelphia, Pa.
Philadelphia Steel & Forge Co., 50 Church, New York
Richmond Forgings Corporation (Drop Forged), Richmond, Va.
Sizer Forge Co., 238 Larkin, Buffalo, N. Y.
Standard Gauge Steel Co. (Finished to Order Only), Beaver Falls, Pa.
See adv index at end of book
Sundberg Co., 1024 W Kinzie, Chicago, Ill.
Tindel Morris Co. (Steam Forgings, Gas Engine Shaft, Finished Ready for Installation), Eddystone, Pa.
Titusville Forge Co. (Centre Throw), Titusville, Pa.
Transue & Williams Steel Forging Corp., Alliance, O.
Union Drop Forge Co. (Drop Forged Weldless), 358 W Grand av, Chicago, Ill.
Union Switch & Signal Co., Swissvale, Pa.
Vulcan Iron Works, Wilkes-Barre, Pa.
Western Drop Forge Co. (Drop Forged), P. O. Box 386, Marion, Ind.
Western Tool & Forge Co., Brackenridge, Pa.
Williams J. H. Co. (Airplane, Automobile & Gas Engine Forgings), 400 Vulcan, Buffalo, N. Y.
Wyman-Gordon Co. (Drop Forged), 105 Madison, Worcester, Mass.

3393—Crankshafts (Automobile)

See also Crankshafts; also Forgings, Drop
American Forge Works, 1428 13th av, Denver, Colo.
Atlas Drop Forge Co., Lansing, Mich.
Atlas Mfg. Co., Fostoria, O.
Barnett Drop Forging Co., East Hampton, Mass.
Bethlehem Steel Co., Bethlehem, Pa.
Billings & Spencer Co. ("B & S"), Hartford, Conn.
CANTON DROP FORGING & MFG. CO. (THE), Canton, Ohio
Chicago Steel Foundry Co., 3701 S Kedzie av, Chicago, Ill.
Cleveland Hardware Co., Lakeside av & E
Detroit Forging Co., 284 Mount Elliot av, Detroit, Mich.
Driggs-Seabury Ordnance Co., Sharon, Pa.
Erie Forge Co., Dept H, 15th & Cascade, Erie, Pa.
General Drop Forge Co., 1738 Elmwood av, Buffalo, N. Y.
Gill P. H. & Sons Co., 2 Lorraine, Brooklyn, N. Y.
Joliet Forge Co., Joliet, Ill.
Krefeld Steel Co. (Imported), 50 Church, New York
Ladish Drop Forge Co., Cudahy, Wis.
Lauer Jno. Machine Co., 110 St. Antoine, Detroit, Mich.

(Continued on following page)

Crankshafts (Automobile)—Contd.

Leard, Wm. Co., 16th & 5th av, New Brighton, Pa.
Leland-Gifford Co., Worcester, Mass.
Moffat H. R. & J., Waterbury, Conn.
Page Storms Drop Forge Co., Chicopee, Mass.
Park Drop Forge Co. (Steel), 760 E. 79th, Cleveland, O.
Pennington Geo. W. Sons, Inc., 1699 Montgomery, San Francisco, Cal.
Pollack Steel Co., 386 W 71st, Carthage, Cincinnati, Ohio
Richmond Forgings Corp., Richmond, Va.
STANDARD GAUGE STEEL CO., Beaver Falls, Pa.
See adv index at end of book
Tindel Morris Co., Eddystone, Pa.
Transue & Williams Steel Forging Corp., Alliance, O.
Union Switch & Signal Co., Swissvale, Pa.
Western Drop Forge Co. (Drop Forged), P. O. Box 386, Marion, Ind.
Western Tool & Forge Co., Brackenridge, Pa.
Williams J. H. Co. (Forgings), 400 Vulcan, Buffalo, N. Y.
Wyman & Gordon Co., 105 Madison, Worcester, Mass., & Cleveland, O.

3394—Crankshafts (Gas Engine)

See also Crankshafts: also Forgings, Various Kinds
American Forge Works, 1428 13th, Denver, Colo.
Atlas Drop Forge Co., Lansing, Mich.
Bay City Forge Co., 1820 Cranberry, Erie, Pa.
Driggs-Seabury Ordnance Co., Sharon, Pa.
Erie Forge Co., Erie, Pa.
Joliet Forge Co., Irving & Franklin, Joliet, Ill.
Ladish Drop Forge Co., Cudahy, Wis.
Lake Erie Forge & Machine Co., Cleveland, O.
Lauer Jno. Machine Co., 110 St. Antoine, Detroit, Mich.
Leard, Wm. Co., 16th and 5th av, New Brighton, Pa.
Page Storms Drop Forge Co., Chicopee, Mass.
Park Drop Forge Co., 760 E. 79th, Cleveland, O.
Pennington Geo. W. Sons, Inc., 1699 Montgomery, San Francisco, Cal.
Rockford Drop Forge Co., Rockford, Ill.
Sizer Forge Co., 238 Larkin, Buffalo, N. Y.
Standard Gauge Steel Co., Beaver Falls, Pa.
See adv index at end of book
Sunberg Co., 1024 W Kinzie, Chicago, Ill.
Tindel Morris Co. (Finished), Eddystone, Pa.
Titusville Forge Co. (Also Corliss & Diesel Engines), Titusville, Pa.
Union Drop Forge Co. (Drop Forged Weldless), 368 W Grand av, Chicago, Ill.
Union Switch & Signal Co., Swissvale, Pa.
Western Drop Forge Co. (Drop Forged), P. O. Box 386, Marion, Ind.
Williams J. H. & Co. (Forgings), 400 Vulcan, Buffalo, N. Y.

3395— Crates

Bacon & Co. (Bushel), Gasport, N. Y.
Beach & Fuller Co. (Vegetable), Evansville, Ind.
Beaufort Veneer & Package Co. (Cabbage), Beaufort, S. C.
Beers R. E. Lumber Co. ("Ship-Safe" Tire), Trenton, N. J.
Berkley Box & Tumbler Co. Inc, Norfolk, Va.
Carbo Steel Products Co., 2600 W. 111th Morgan Park Station, Chicago, Ill.
Chicago Mill & Lumber Co., 500 N Dearborn, Chicago, Ill.
Defiance Box Co. (Pottery), Defiance, Ohio
Dodge & Bliss Co., W End, Jersey City, N. J.
Earle J. M. Lbr. Co., 1159 Wabash, Detroit, Mich.
Ellis E. W. Lbr. Co., Grand Rapids, Wis.
Embry Box Co. ("4-One"), 16th & Maple, Louisville, Ky.
Forrester-Nace Box Co., 8th & Wyoming, Kansas City, Mo.
General Box Co. (all kinds), Dept. P, 500 N Dearborn, Chicago
See adv index at end of book
Kalamazoo Tank & Silo Co. (Bushel), Kalamazoo, Mich.
Krause C. H. Lbr. Co., Antigo, Wis.
Littleford Bros. (Canners), 444 E Pearl, Cincinnati, Ohio
See adv index at end of book
Lowell Building & Supply Co., Lowell, Ohio
Macon Crate & Basket Co. (Vegetable), 10th & Oak, Macon, Ga.
Montgomery Bros. & Co., 254 Court, Buffalo, N. Y.
Morrison Frank (Apple), Marion, N. Y.
Odell & Eddy Co. (Celery), Chaffee, N. Y.
Owosso Mfg. Co., Owosso, Mich.
Pelican Box Factory, Miro & Julia, New Orleans, La.
Pierpont Mfg. Co. (Fruit & Vegetable), Savannah, Ga.
Planters Mfg. Co., Portsmouth, Va.
Reed Evan L. Mfg. Co. (Shipping & Folding), Tipton, Danville, Ill.
Richards O. S. Inc., 87 34th, B'klyn, N. Y.
Roseland Veneer & Package Co., Ltd. (Vegetable), Roseland, La.
Rugg Mfg. Co. (Delivery, Fruit & Show), Greenfield, Mass.
Seattle Box Co. (Berry), 401 Spokane av, Seattle, Wash.
Sweet B. F. & H. L. Co., Fond du Lac, Wis.
Thorp A. & Son Crate Co., Roseville, O.
Troy Veneer & Crate Co., Troy, Ala.
United Folding Crate & Box Co., Addison, N. Y.
Vance E. J. Box Co., Ltd., Bay City, Mich.
Vandergrift Box Co., Vandergrift, Pa.
Weber Supply & Specialty Co. (Jobbers), 2250 So Union av, Chicago, Ill.
Woodstock Mfg. Co., Charleston, S. C.
York Milk Machy Co. (Milk Bottle), M. & P. R. R., York, Pa.

3396—Crates (Automobile Tire)

Alderfer Co., Sharon Center, O.
Steele-Alderfer Co., Cuyahoga Falls, O.

3397— Crates (Egg)

Star Egg Carrier & Tray Mfg. Co., Rochester, N. Y.
Weber Supply & Specialty Co. (Jobbers), 2250 So. Union av, Chicago, Ill.

3397a— Crates (Poultry)

General Box Co. ("Kentucky" & "Pioneer"), Dept. P, 500 N Dearborn, Chicago
See adv index at end of book

3397b— Crates (Wooden)

Bogert & Hopper Inc., 57, Barclay, New York *See adv index at end of book*
Consumers' Box Mfg. Co., 925 N Halsted, Chicago, Ill.
Davis Henry D. Lumber Co., Northwest Bank bldg., Portland, Oreg.
Estes E. B. & Sons, 364 5th av., New York *See adv index at end of book*
Macon Box Co., 6th & Acmulgee, Macon, Ga.
Macon Crate & Basket Co., 10th & Oak, Macon, Ga.
New England Box Co., 104 East 42nd, New York *See adv index at end of book*
South Bend Dowel Works (Automobile Parts), South Bend, Ind.
United Folding Crate & Box Co., Addison, N. Y.

3398-9— Crayon Mfrs.

See also Crayons & Pencils, Metal Works; also Pencil Manufacturers
Adams D. C. Crayon Co. ("Adams" Rolling Mill), 125 Market, St. Louis, Mo.
American Crayon Co. (All Kinds for All Purposes), 1300 Hayes av, Sandusky, O., & Waltham, Mass.
American Lava Co. (Fdry.), Chattanooga, Tenn.
American Lead Pencil Co. (Colored), 220 5th av, New York
BINNEY & SMITH CO. (Marking School & Artist), 41 E 42nd, New York
Cohutta Talc Co. (Blackboard), Dalton, Ga.
Dixon Joseph, Crucible Co. ("Dixon's" Graphite, Metal Workers', Colored), Jersey City, N. J.
Doggett Stanley (Soapstone), 11 Cliff, New York
Eagle Pencil Co. (Colored), 703 E 13th, New York
Eclipse Mill Crayon Co., Lowell, Mass.
Faber Eberhard (Colored), 200 5th av, New York
General Pencil Co., 73 Fleet, Jersey City, N. J.
See adv index at end of book
Georgia Talc Co. (Talc), Asheville, N. C.
Gregory Talc Blackboard & Crayon Co., 107 12th av N, Nashville, Tenn.
Howe Mill Crayon Co. (Mill), Lowell, Mass.
Korn William (Marking & Lithographic), 120 Centre, New York
Lowell Crayon Co. (Mill & Metal Workers'), Lowell, Mass.
National Crayon Co., West Chester, Pa.
Nevins Samuel Co. (Importer, French Chalk & Talc), 143 N 4th, Phila., Pa.
New England Quartz Co. of N. Y. (Talc), 150 Nassau, New York
New Jersey Crayon Co. ("Artiscolor," "Check Mate," "Glassmet," "Jersey," "Lumber Jack," "Paterson," "Sure Mark"), 23H Bridge, Paterson, N. J.
New York Silicate Book Slate Co. (Silicate), 24 Vesey, New York
North Carolina Talc & Mining Co. (Talc), Hewitts, N. C.
Rowles E. W. A. Co. (Blackboard), 2345 S La Salle, Chicago, Ill.
Standard Crayon Mfg. Co. ("Falcon," "Standard," "Omega," "Bonanza," "China Maker," "Tanners," "Red Seal," & "Crest Light"), Danvers, Mass.
Steward, D. M. Mfg. Co. ("Compo" Dustless Steatite), Chattanooga, Tenn.
Wagner Charles A. (Talc), 810 Noble, Philadelphia, Pa.
Zelnicker Crayon Works, 511 Locust, St. Louis, Mo.

3400—Crayons (Bowling Alley)

Adams, D. C. Crayon Co. ("Adams"), 125 Market, St. Louis, Mo.
American Crayon Co., 1300 Hayes av, Sandusky, O., & Waltham, Mass.
Binney & Smith Co., 41 E 42nd, New York
New Jersey Crayon Co. ("Jersey"), 23H Bridge, Paterson, N. J.

3401— Crayons (Checking)

Adams D. C. Crayon Co. ("Adams"), 125 Market, St. Louis, Mo.
American Crayon Co., 1300 Hayes av., Sandusky, O.
Binney & Smith Co., 41 E 42nd, New York
General Pencil Co., 73 Fleet, Jersey City, N. J.
See adv index at end of book
New Jersey Crayon Co. ("Check Mate"), 23H Bridge, Paterson, N. J.
Zelnicker Crayon Works, 511 Locust, St. Louis, Mo.

3402-6— Crayons (Colored)

Adams D. C. Crayon Co. ("Adams"), 125 Market, St. Louis, Mo.
American Crayon Co., 1300 Hayes av., Sandusky, O., & Waltham, Mass.
Binney & Smith Co., 41 E 42nd, New York
General Pencil Co., 73 Fleet, Jersey City, N. J.
See adv index at end of book
Weber Co., F., 1220 Buttonwood, Philadelphia, Pa.
Zelnicker Crayon Works, 511 Locust, St. Louis, Mo.

3407-8-9—Crayons (Lumber)

Adams D. C. Crayon Co. ("Adams"), 125 Market, St. Louis, Mo.
American Crayon Co., ("Acme"), 1300 Hayes av, Sandusky, O., & Waltham, Mass.
Binney & Smith Co., 41 E 42nd, New York
Chrystal Chas. B. Co. Inc., (Crayons & Pencils, Lumber Workers), 13 Cliff, New York *See adv index at end of book*
Dixon Joseph Crucible Co., Jersey City N. J.
Handlan-Buck Mfg. Co. ("Handlan"), 210 3rd, St. Louis, Mo.
New Jersey Crayon Co. ("Lumber Jack"), 23H Bridge, Paterson, N. J.
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
Standard Crayon Mfg. Co., Danvers, Mass.
Weber Co., F., 1220 Buttonwood, Philadelphia, Pa.
Zelnicker Crayon Works, 511 Locust, St. Louis, Mo.

3410-11—Crayons (Railroad)

Adams D. C. Crayon Co. ("Adams"), 125 Market, St. Louis, Mo.
American Crayon Co., 1300 Hayes av, Sandusky, O., & Waltham, Mass.
Binney & Smith Co., 41 E 42nd, New York
Handlan-Buck Mfg. Co. ("Handlan"), 210 3rd, St. Louis, Mo.
Zelnicker Crayon Works, 511 Locust, St. Louis, Mo.

3412—Crayons (Tailors' Wax)

American Crayon Co., 1300 Hayes av, Sandusky, O.
Goebel J. & Co. (Imp.), 67 Cortlandt, New York
Marty F. & Co., Syracuse, N. Y.

3413—Crayons (Wax & Oil, School & Package)

Adams D. C. Crayon Co. ("Adams"), 125 Market, St. Louis, Mo.
American Crayon Co., 1300 Hayes av, Sandusky, O., & Waltham, Mass.
Binney & Smith Co., 41 E 42nd, New York
Eagle Pencil Co., 703 E 13th, New York

3414—Crayons & Pencils (Metal Workers', Etc.)

Adams D. C. Crayon Co. ("Adams"), 125 Market, St. Louis, Mo.
American Crayon Co., 1300 Hayes av, Sandusky, O., & Waltham, Mass.
American Lava Corp., Chattanooga, Tenn.
American Lead Pencil Co., 220 5th av, New York
Binney & Smith Co., 41 E 42nd, New York
Chrystal Chas. B. Co. Inc., 13 Cliff, New York
See adv index at end of book

"TALCUT"
TALC (Soapstone)
CRAYONS
Standard for Twenty-five Years
FLAT
SQUARE
ROUND
Chas. B. Chrystal Co., Inc.
11 Cliff St., N. Y. Factory: Jersey City

Cohutta Talc Co. (Talc Soapstone), Dalton, Ga.
Dixon Joseph Crucible Co. ("Dixon's" American Graphite or Soapstone), Jersey City, N. J.
Doggett Stanley (Soapstone & Talc, "Peerless" & "Perfection" Brands), 11 Cliff, New York
Eagle Pencil Co., 210 E 14th, New York
General Pencil Co., 73 Fleet, Jersey City, N. J.
See adv index at end of book
Gregory Talc Blackboard & Crayon Co., 107 12th av, Nashville, Tenn.
Korn Wm. ("Korn's," Crayons for Hot or Cold Metal), 120 Center, New York
Lowell Crayon Co., Lowell, Mass.
New Jersey Crayon Co. ("Glassmet"), 23H Bridge, Paterson, N. J.
Nevins Sam'l Co. (Talc & French Chalk), 143 N 4th, Phila., Pa.
Scott, Sugden & Lamont, Monadnock bldg., San Francisco, Cal.
Standard Crayon Mfg. Co., Danvers, Mass.
Steward D. M. Mfg. Co. ("Compo"), Chattanooga, Tenn.
Zelnicker Crayon Works, 511 Locust, St. Louis, Mo.

3415— Cream Tartar

American Cream Tartar Co. (Powdered & Crystals), 624 California, San Francisco, Cal.
Cooper & Cooper, Inc., 23H Cliff, New York
HARSHAW, FULLER & GOODWIN CO., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Herrick & Voight, 99 John, New York
Mailliard & Schmiedell (Mfrs. Agts.), 203 California, San Francisco, Cal.
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Pfizer Chas. & Co. (Powdered or Crystals), 81 Maiden la, New York
Powers-Weightman-Rosengarten Co., 916H Parrish, Philadelphia, Pa.
Provident Chemical Wks. ("Aero-Acid"), 8011 Idaho av, St. Louis, Mo.
Riddle Chemical Co., Inc. (U. S. P. Powder), 35 S Dearborn, Chicago, Ill.
See adv index at end of book
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*
Worden Chemical Works ("Tartarline" Substitute), 4 Cedar, New York

3416-7—Creamers (Cabinet & Elevator)

Vermont Farm Machine Co. ("Cooley"), Bellows Falls, Vt.

3418—Creasers (Leather, Etc.)

Osborne C. S. & Co. (Harness Makers, etc), Box 183, Newark, N. J.
See adv index at end of book
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
Wis. *See adv index at end of book*

3419— Creepers (Anti-Rail)

Belle City Malleable Iron Co. ("Vaughan"), Racine, Wis.
Cleveland Frog & Crossing Co. ("Prentice"), 6917 Bessemer av, Cleveland, Ohio
Cleveland Railway Supply Co. (Combination Tie Plates & Anti-Rail Creepers), Swetland bldg, Cleveland, O.
Oliver Iron & Steel Co. (Anti-Creeper Device), S 10th & Muriel, Pittsburgh, Pa.
P. & M. Co. ("P. & M.," Boltless, "Vaughan," "Henggi"), 80 E Jackson blvd, Chicago, Ill.

3420—Creepers (Automobile)

Ashland Products Co., Ashland, Ohio
Boyle Mfg. Co. ("Boyco"), 5100 Sante Fe av, Los Angeles, Calif.
Broome W. J. Mfg. Co. ("Gem"), 1455 E 17th, Los Angeles, Cal.
Chattanooga Wheelbarrow Co., 1300 E 14th, Chattanooga, Tenn.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Foster Bros. Mfg. Co., Utica, N. Y.
Keystone Wire Matting Co. ("Keystone"), Beaver Falls, Pa.
La Porte Mat & Mfg. Co. ("Hercules"), La Porte, Ind.
Lewis-Geer Mfg. Co., Ypsilanti, Mich.
Milwaukee Auto Specialty Co., 711 Chestnut, Milwaukee, Wis.
Reynolds & Co., Real Estate Trust bldg, Phila., Pa.
Universal Toy & Novelty Mfg. Co., 824 Folsom, San Francisco, Cal.
Zering H. Mfg. Co. ("Oakley"), B. & O. Ry. & Hickory, Oakley, Cincinnati, O.
See adv index at end of book

3421— Creepers (Ice)

Gay Geo. E., Augusta, Me.
Gifford-Wood Co., Hudson, N. Y.
Holderbaum Jas. B. & Son ("Reliance"), Somerset, Pa.
Hubbell Ray & Co. ("Arnold"), Northville, N. Y.
Reading Saddle & Mfg. Co. ("Anti-Slip"), Reading, Pa.
Sayre, L. A. Co., 332 Mulberry, Newark, N. J.
Thomson Judson L. Mfg. Co. ("Never-Slip"), Roberts Station, Waltham, Mass.
Union Hardware Co., Torrington, Conn.
Warren J. M. & Co. ("Featherweight" & "Bowlin's Featherweight"), Troy, N. Y.
West Chas. F. (Flat Spring Steel), 3861 Lancaster av, Phila., Pa.

3421a— Creosote Carbonate

Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park pl., New York
Riddle Chemical Co., Inc., 35 S Dearborn, Chicago, Ill.
See adv index at end of book

3422— Creosote (Coal Tar)

Armitage Mfg. Co., Richmond, Va.
Barclay Naval Stores Co. (Jobbers), 56 Delevan, Bklyn, N. Y.
Barrett Co., 40 Rector, New York
Betts C. G. Co., 1202 E Sprague, Spokane, Wash.
Mailliard & Schmiedell (Mfrs. Agts), 203 California, San Francisco, Cal.
Merck & Co., 45 Park pl, New York
Northeastern Co. ("Noreacol"), 230 Main, Cambridge 39, Mass.
PROTEXOL CORP., 41 Barclay, New York *See adv index at end of book*
Vesuvius Crucible Co., Swissvale, Pa.
WOODS C. A. PRESERVER CO., 6210 Delmar blvd, St. Louis, Mo.

3423— Creosote (Wood)

Cleveland Cliff Iron Co., Rockefeller bldg, Cleveland, Ohio
Forest Product Co. ("Pinesote"), 1212 Whitney, New Orleans, La.
Pensacola Tar & Turpentine Co., Gull Point, Fla.
White Tar Co., 2 Cliff, New York

3424— Creosoting Works

See also Wood Preservatives

Am. Creosoting Co., Bogalusa, La.
American Creosoting Co., 17 Battery pl, New York. Works: Newark, N. J.
American Creosoting Co., Louisville, Ky.
Atlantic Creosoting & Wood Preserving Works, Norfolk, Va.
Ayer & Lord Tie Co., Railway Exchange bldg, Chicago
Bell Lumber Co., Security bldg, Minneapolis, Minn.
BRUNER OWEN M. CO., 4th & Chestnut, Phila., Pa. *See adv index at end of book*
Colman J. M. Co., Seattle, Wash.
Columbia Creosoting Co., Portland, Ore.
Compressed Wood Preserving Co., Spring Grove & Station avs, Winton pl, Cincinnati, O.
Continental Pipe Mfg. Co. (Creosoted Pipe Flumes & Tanks), 4519 14th av N W, Seattle, Wash.
Creosoted Materials Co. Inc., Queen & Crescent bldg., New Orleans, La.
Eppinger & Russell Co., 165 B'way, New York
Federal Creosoting Co., Louisville, Ky.
Gulfport Creosoting Co., Gulfport, Miss.
Indiana Creosoting Co., Louisville, Ky.
International Creosoting & Construction Co., Galveston, Tex.
Jennison-Wright Co., Toledo, Ohio
Kettle River Co., Madison, Ill.
Louisiana Creosoting Co., Winnifield, La.
McCormick Chas. R. & Co., 215 Market, San Francisco, Cal.
Michigan Wood Preserving Co., Century bldg, Pittsburgh, Pa.
National Lumber & Creosoting Co., Texarkana, Ark.
Norfolk Creosoting Co., Norfolk, Va.
Ohio Wood Preserving Co., Century bldg, Pittsburgh, Pa.
Pacific Creosoting Co., Seattle, Wash.
Page & Hill, Plymouth bldg, Minneapolis, Minn.
Pittsburgh Wood Preserving Co., Century bldg, Pittsburgh, Pa.
POTOSI TIE & LUMBER CO. (Ties), 248 N Broadway, St. Louis, Mo.
Puget Sound Wood Preserving Co., Lowell, Wash.
REPUBLIC CREOSOTING CO., Merchants' Bk. bldg, Indianapolis, Ind.
See adv index at end of book
St. Helens Creosoting Co., Yeon bldg., Portland, Ore.
St. Paul & Tacoma Lumber Co., Tacoma, Wash.
Shreveport Creosoting Co., Louisville, Ky.
Southern Creosoting Co., Ltd., Slidell, La.
SOUTHERN WOOD PRESERVING CO. (Creosoted Pine Crossarms, Pine Poles, Telephone & Telegraph Electric Light & Power, Creosoted Wood Conduit, Wood Paving Blocks, Pine Cross Ties, Pine Piling & Pine Lumber), Atlanta, Ga.
See adv index at end of book
Walsh Tie Co., 950 McKnight bldg, Minneapolis, Minn.
Western Cedar Pole Preservers, Spokane, Yardley, Wash. & Sand Point, Idaho
Wyckoff Pipe & Creosoting Works, 552 5th av, New York

3425— Cresol Manufacturers

Barrett Co., 40 Rector, New York
Industrial Chemical Co. (U. S. P.), 1414 Fifth Av bldg, New York
See adv index at end of book
JORDAN COAL TAR PRODUCTS CO., INC., 15 Cliff, New York
Klipstein A. & Co. (Imp.), 644 Greenwich, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Roessler & Hasslacher Chemical Co (Imp.), 709 6th av, New York
See adv index at end of book
Squibb E. R. & Sons (Imp.), 78 Beekman, White Tar Co. (Imp.), 2 Cliff, New York

3425a— Cresol (Ortho)

JORDAN WILLIAM E. INC. (Meta & Para), 15 Cliff, New York

Crestings (Terra Cotta)

See Roofing Tile, Terra Cotta

3426—Crestings & Finials (Iron)

Chattanooga Roofing & Foundry Co., Chattanooga, Tenn.
Dearborn Fdry. Co., 345 W 23rd av, Chicago, Ill.
Gensel Fred & Co., 911 Vine, Phila., Pa.
Globe Iron Roofing & Corrugating Co., Dept. H, Newport, Ky.
Meyers Fred. J. Mfg. Co., Hamilton, O.
Mott J. L. Iron Works, Trenton, N. J.
Roanoke Iron & Bridge Wks., Roanoke, Va.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Wells Architectural Iron Co., River av & 151st, New York
Wheeling Corrugating Co., Wheeling, W. Va.

3427—Crestings & Finials (Sheet Metal)

Canton Art Metal Co., Canton, O.
Decatur Cornice & Roofing Co., New Decatur, Ala.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
Eller Mfg. Co., 1200 Camden S W, Canton, Ohio
Gara, McGinley Co., 218 N 13th, Phila., Pa.
Globe Iron Roofing & Corrugating Co., Dept. H, Newport, Ky.
Hergert Theo., 422 E 53d, New York
Jones Thomas W., 153 Maiden la, New York
Klauer Mfg. Co., Dubuque, Ia.
Manrow Sheet Metal Wks., Goshen, Ind.
Martin Metal Mfg. Co., Wichita, Kan.
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
Messenger & Parks Mfg. Co., Aurora, Ill.
Milwaukee Corrugating Co., Milwauee, Wis.
Ohio Corrugating Co., Warren, O.
Porter Iron Roofing & Corrugating Co., 522 Culvert, Cincinnati, O.
Souther E. E. Iron Co., Klenlin & Hamburger, St. Louis, Mo.
Wheeling Corrugating Co., Wheeling, W. Va.
Willis Mfg. Co., Galesburg, Ill.

3428— Cribbage Boards

Gorham H. W., E. Norwalk, Conn.
Grote F. & Hubbell Co., 82 4th av, New York
Bissell F. Co. (Yellow Pine & Fir Cross Arms, Oak Brackets & Locust Pins), Toledo, O.
Byrne-Turner Co. (Fir.), Bellingham, Wash.
California Pole & Piling Co., San Francisco, Cal.
Carolina Cross Arm Co. (Yellow Pine), Elkin, N. C.
Central Lumber Co. (Yellow Pine Brackets, Cross Arms & Pins), Chattanooga, Tenn.
Clark A. F. Lumber Co., Peabody, Mass.
Cohn & Bock Co. (Yellow Pine Cross Arms, Oak Insulator Pins & Brackets), Princess Anne, Md.
Compressed Wood Preserving Co. (Creosoted), Spring Grove & Station avs, Winton pl, Cincinnati, O.
Doty Lumber & Shingle Co., Doty, Wash.
Eastern R'way & Lumber Co., Centralia, Wash.
Estes E. B. & Sons, 364 Fifth av, New York. *See adv index at end of book*
Frye J. Marshall Co., Hattiesburg, Miss.
Gulf Arm & Creosoting Co., Hattiesburg, Miss.
Gulfport Creosoting Co., Gulfport, Miss.
International Creosoting & Construction Co. (Creosoted), Galveston, Tex.
Joslyn Mfg. & Supply Co., Chamber of Commerce bldg, Chicago, Ill.
Lindsley Bros. Co., Spokane, Wash.
Louisiana Red Cypress Co., Hibernia Bk bldg, New Orleans, La.
McCormick Lumber Co., McCormick, Wash.
Mueller Wm. & Co., 332 S Michigan, Chicago, Ill.

(Continued on following page)

Cribbage Boards—Continued

Norfolk Creosoting Co. (Creosoted), Norfolk, Va.
Pettingell-Andrews Co. ("Exemplar"), or Juniper), Norfolk, Va.
Pilliod Lumber Co., Swanton, O. Md.
Roper John L. Lumber Co. (White Cedar bldg, St. Louis, Mo.
Southern Creosoting Co., Ltd. ("Creosoted"), Slidell, La. soted), Tacoma, Wash.
Southern Exchange Co. (Georgia Pine Cross Arms), 97 Warren, New York

3429—*Crimpers (Aerial Rings)

DIAMOND EXPANSION BOLT CO. ("Diamond"), 89 West, New York
See adv index at end of book

3430— Crimpers (Cap)

Atlas Powder Co., Wilmington, Del.
DU PONT E. I. DE NEMOURS & CO. INC. Explosives & Smokeless Powder Depts. (See adv at Explosives), Wilmington, Del.
See adv index at end of book
Giant Powder Co. Cons., San Francisco. Cal.
Hercules Powder Co., Wilmington, Del.

3431— Crimpers (Pie)

Hamblin & Russell Mfg. Co., Worcester, Mass.
Wickwire Spencer Steel Corp., 41 East 42nd, New York
See adv index at end of book

3432— Crinoline

American Hair Cloth Co., Pawtucket, R. I.
Griswoldville Mfg. Co., Griswoldville, Mass.
Irving Mfg. Co., 23 Jersey, New Brighton, S. I., N. Y.
Lewis Mfg. Co. ("Curity"), Walpole, Mass.
McLean Andrew Co., Passaic, N. J.
North Scituate Cotton Mills, N Scituate, R. I.
Palmer I. E. Co., Middletown, Conn.

3433— Crockery

Cannonsburg Pottery Co., Canonsburg, Pa.
Canton Clay Products Co., Robertsville, O.
Carrollton Pottery Co., Carrollton, O.
Cartwright Bros. Co., East Liverpool, O.
Crown Potteries Co., 2300 Division, Evansville, Ind.
French China Co., Sebring, O.
Greenwood Pottery Co., Trenton, N. J.
Harker Pottery Co., East Liverpool, O.
International Pottery Co., Trenton, N. J.
Knowles Edwin M. China Co., East Liverpool, O.
Knowles, Taylor & Knowles Co., East Liverpool, O.
Laughlin Homer China Co., East Liverpool, O.
Leopold J. & Co., 101 Hanover, Baltimore,
Lilienthal Crockery Co., Atlanta, Ga.
McNicol D. E. Pottery Co., East Liverpool, O.
Mayer China Co., Beaver Falls, Pa.
Mercer Pottery Co., Trenton, N. J.
National China Co., Salineville, O.
Onondaga Pottery Co., Syracuse, N. Y.
Owens J. B. Floor & Wall Tile Co., Zanesville, O.
Pace Bros. & Sons, Roseville, O.
Ransbottom Bros. Pottery Co., Roseville, O.
Robinson Clay Product Co. (Pottery), Akron, O.
Roseville Pottery Co., Zanesville, O.
Salem China Co., Salem, O.
Sebring E. H. China Co., Sebring, O.
Smith-Phillips China Co., East Liverpool, O.
Standard Pottery Co., East Liverpool, O.
Steubenville Pottery Co., Steubenville, O.
Summit China Co., Akron, O.
Taylor, Smith & Taylor Co., East Liverpool, O.
Thompson C. C. Pottery Co., East Liverpool, O.
Van Pottery Co., Trenton, N. J.
Vodrey Pottery Co., East Liverpool, O.
Warwick China Co., Wheeling, W. Va.
Weller S. A., Zanesville, O.
Wellsville China Co., Wellsville, O.
West End Pottery Co., East Liverpool, O.

3434— Crocus Martis

Barker Bros., Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
Chrystal Chas. B. Co., Inc. (Imp.), 13 Cliff, New York *See adv index at end of book*
Hanson & Van Winkle Co., 269 Oliver, Newark, N. J.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Munning, A. P. & Co., Mattawan, N. J.
Waddell R. J. & Co. (Imp), 52 Beekman, New York
Wiarda John C. & Co. (Jobbers), 83 Provost, Brooklyn, N. Y.
See adv index at end of book

3434a— *Crop Conveyors

Treadwell Engng. Co., Easton, Pa.
See adv index at end of book

3435— Croquet Sets

Bogert & Hopper Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Garton Toy Co., Sheboygan, Wis.
Rademaker H. & Sons, Grand Rapids, Mich.
Roy Bros., East Barnet, Vt.
Saginaw Wood Products Co. (Croquet Pool), Gaylord, Mich.
South Bend Toy Mfg. Co., So Bend. Ind.

3436—Cross Arms, Brackets, Etc. (Iron & Steel)

American Bridge Co., 30 Church, New York
Am. Jobbers' Supply Co., 233H B'way, New York
Bates Expanded Steel Truss Co., 208H S La Salle, Chicago, Ill.
Bissell F. Co. ("Security," Angle Iron), Toledo, O.
Brady Electric Mfg. Co., New Britain, Conn.
Creaghead Engineering Co. ("Flexible" and Malleable Iron), 340 Main, Cincinnati, O.
Cutter Geo. Co., South Bend, Ind.
Eastern Malleable Iron Co. ("Beardsley" Malleable Iron), Naugatuck, Conn.
Electric Railway Equipment Co., Cincinnati, O.
Electric Service Supplies Co. ("Keystone"), 17th & Cambria, Phila., Pa.
Hall Frank B. Co. (Pressed Steel Brackets), Newton Falls, O.
Hallett Iron Works, Harvey, Ill.
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Hubbard & Co. ("Bo-Arrow" Galvanized), **63d & Butler, Pittsburgh, Pa.**
Illinois Malleable Iron Co. (Malleable Iron), 1801 Diversey blvd, Chicago, Ill.
Lanz M. & Sons (Steel Angle), 2907 Carson, Pittsburgh, Pa.
Newhall Chain, Forge & Iron Co., 89 West, New York
Ohio Brass Co. (Brackets only), Mansfield, O.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Phila. Electrical & Mfg. Co., 1236 N 31st, Phila., Pa.
Pittsburgh Trolley & Forge Co., Pittsburgh, Pa.
St. Louis Malleable Casting Co. (Malleable Iron), 7700 N B'way, St. Louis, Mo.
Thomas R. & Sons Co. ("Bylesby," Wishbone Cross Arms), East Liverpool, O.

Cross Arms (Creosoted)

See Creosoting Works

3437— Cross Arms (Wood)

See also Insulator Pins & Brackets
Am. Creosoting Co. (Creosoted), Bogalusa, La.
AMERICAN CROSSARM & CONDUIT CO. (Manufacture Fir Crossarms five mills Pacific Coast, also Chicago, Ill., and Newark, N. J.; Yellow Pine in Mississippi, Louisiana and Florida; Creosoted Yellow Pine, Norfolk, Atlanta and Charlotte; carrying large stocks of crossarms, pins and brackets in 38 cities. Special crossarms to order, any size or quantity), Room 93, 90 West Broadway, New York
See adv index at end of book

Creosoted Wood Crossarms

Insulator Pins and Brackets

Wood Conduit

Prompt Shipment
from Stocks in 38 Large Cities

AMERICAN CROSSARM & CONDUIT CO.

90 West Broadway, New York City

Barnes-Lindsley Mfg. Co., Couch Bldg., Portland, Ore.
Berthold & Jennings Lumber Co., Arcade bldg., St. Louis, Mo.
Bissell F. Co., Toledo, Ohio
Brower Co. (Kyanized Spruce), Portland, Me.
Byrne-Turner Co., Bellingham, Wash.
Carolina Cross Arm Co., Inc. (Yellow Pine), Elpin, N. C.
Compressed Wood Preserving Co., Spring Grove & Station avs, Winton pl, Cincinnati, Ohio
Doty Lumber & Shingle Co., Gasco bldg, Portland, Ore.
Douglas Fir Cross-Arm Co. (Yellow Fir), Boston, bldg, Denver, Colo.
Lindsley Bros. Co. The, 611 Peyton bldg, Spokane, Wash.
Louisiana Red Cypress Co., 814 Perdido, New Orleans, La.
Lumber Transit Co. (Fire Telephone, Telegraph & Electric Power), Centrallia, Wash.
Mueller Wm. & Co., 115 S Dearborn, Chicago, Ill.
NATIONAL TANK & PIPE CO., 170 Columbia blvd, Portland, Ore.
See adv index at end of book
Robinson Mfg. Co., Everett, Mass.
Southern Pine Mfg. Co. (Telephone & Telegraph), Paducah, Ky.
Southern Wood Preserving Co. ("Creosoted"), Atlanta, Ga.
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Tidewater Cross Arm & Conduit Co. (Fir), Tacoma, Wash.
Union Railway Supply Co., Real Estate Tr. bldg, Phila., Pa.
Williams F. B. Cypress Co., Ltd. (Cypress), Patterson, La.

3437a— Crossarms (Wood, Creosoted)

AMERICAN CROSSARM & CONDUIT CO., Room 93, 90 West Broadway, New York
See adv index at end of book

3438—Cross Bars (For Goosenecks)

Riverside Foundry & Galvanizing Co., Kalamazoo, Mich.

Cross Ties

See Ties, Poles & Posts

3439—Crosses (Pipe Fitting)

Bethlehem Shipbuilding Corporation Ltd., Bethlehem, Pa.
Crane Co., 836 S Michigan av, Chicago, Ill. *See adv index at end of book*
Kuhns Bros. (Cast Iron), Dayton, O.
Larkin J. K. & Co., 253 B'way, New York
See adv index at end of book
LUNKENHEIMER CO. (Brass), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
See adv index at end of book
Powell Wm. Co. (Brass), 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Sherman H. B. Mfg. Co. (Brass), Battle Creek, Mich.
Walworth Mfg. Co. (Brass, Cast & Malleable Iron), Boston, Mass.

3439a— *Crosses (Wooden)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
ESTES E. B. & SONS, 364 5th av, New York. *See adv index at end of book*

Crossings (Railway)

See Frogs, Switches, Crossings, etc

3440— Crow Bars

Wedge or Pinch Point
Beall Bros. (Inc) (Pinch or Wedge Point, etc), Alton, Ill.
Collins Co., Collinsville, Conn.
Crescent Tool Mfg. Co., 1002 Cass av, St. Louis, Mo.
Fulton Tool Works (Miners), Huntington, W. Va.
Hardsocg Martin Co. (Miners), 922 South av, Pittsburgh, Pa.
Hubbard & Co., 63d & Butler, Pittsburgh, Pa.
Iron City Tool Works, Ltd., 3201 Smallman, Pittsburgh, Pa.
Klein-Logan Co., 13th & Breed, Pittsburgh, Pa.
Leetonia Tool Co., Leetonia, Ohio
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Republic Supply Co. (Jobbers), 123 Water, Pittsburgh, Pa.
Salem Tool Co. (Miners), Salem, Ohio
Turner C. A. (Miners), 3rd & Chauncery, Pittsburgh, Pa.
Union Drop Forge Co., 358 W Grand av, Chicago, Ill.
Warren Tool & Forge Co., 145 Griswold, Warren, Ohio.
See adv index at end of book
WARWOOD TOOL CO., 19th, Warwood, Wheeling, W. Va.
Withers Foundry & Machine Works, Atlanta, Ga.

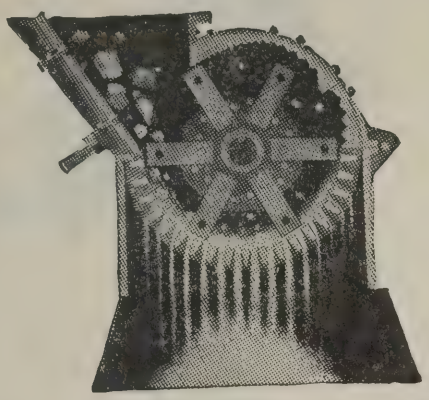
3440a— *Crown Blocks

INTERNATIONAL DERRICK & EQUIPMENT CO., Michigan & Buttles av, Columbus, Ohio

3441— Crozes (Coopers')

White L. & I. J. Co., 120 Columbia, Buffalo, N. Y.

THE GRUENDLER SWING HAMMER PULVERIZER



Mfrs. Crushers, Pulverizers, Shredders and Grinders

FOR ALL PURPOSES

The illustration to the left shows the Pulverizer in actual operation. The rock enters the throat or hopper of the grinder and is crushed against heavy armour plates. It is further pulverized against the grate bars to a finished product, any large rock not pulverized is finished on the hard steel breaker plates above. A very simple method with few parts.

Gruendler Crushers of later types are equipped with adjustable breaker plate and hammers. When hammers become worn they can be adjusted more closely to the grate and kept at any crushing distance desired. This feature assures uniformly sized product at all times. Patented dumping bottom makes possible the cleaning or removing of foreign material easily and quickly while crusher is running.

Write us for further information. Our Engineering Department will be glad to go into full detail concerning production problems, floor space, horsepower, etc.—we will also submit specifications on any machine desired.

GRUENDLER PATENT CRUSHER & PULVERIZER CO.

982 North Main Street **St. Louis, Mo.**

3442—Crucible Tongs & Shanks

Anderson W. H. Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Northern Engineering Works (For Brass Foundries), 210 Chene, Detroit, Mich.
Whiting Corp., Dept. H, Harvey, Ill.

3443— Crucibles

Acheson Graphite Co. (Graphite, for High Temperature Work), Niagara Falls, N. Y.
American Oil & Supply Co. ("Burns," for Dentists & Mfg. Jewelers, also Safety Crucibles), 238 Wilson av, Newark, N. J.
Atlantic Terra Cotta Co., 1170 B'way, New York
Baker & Co. (Platinum), 54 Austin, Newark, N. J.
Bartley Jonathan Crucible Co. (Graphite), Trenton, N. J.
Bay State Crucible Co., Taunton, Mass.
Bridgeport Crucible Co. (Black Lead, Clay Lined), Bridgeport, Conn.
Denver Fire Clay Co. (Jobbers), Denver, Colo.
Dixon Joseph, Crucible Co. ("Dixon's"), Jersey City, N. J.
Dixon Wm. (Sand Imp.), 119 Fulton, New York
Foreign Crucibles Corp., Ltd. (Importers), 831 E 15th, Brooklyn, N. Y.
Gautier J. H. & Co. (Black Lead), 1 Greene, Jersey City, N. J.
Goebel J. & Co. (Importers), 67 Cortlandt, New York
Guernsey Earthenware Co. (Porcelain), Cambridge, O.
International Coal Products, 511 5th av, New York
McCullough-Dalzell Crucible Co. (Brass, Plumbago, etc.), 36th & A. V. R. R. st, Pitttsburgh, Pa.
National Carbon Co. (Made From Carbon), Thompson av & Orton, Long Island City, N. Y.
Ohio Pottery Co. ("Ohio" Porcelain, Glazed Inside and Out), Zanesville, O.
PREST-O-LITE CO., INC., THE (Acetylene Lead Pots, Etc.), 30 E. 42nd St., New York
See adv index at end of book
Ross-Tacony Crucible Co., Robins & Milner, Phila., Pa.
Seidel R. B. (Inc.), (Black Lead), 1322 Callowhill, Phila., Pa.
Taunton Crucible Works (Pure Ceylon Graphite), Taunton, Mass.
Taylor Robert J. (Inc.), 1900 Callowhill, Phila., Pa.
Thermal Syndicate, Ltd., 58 Schenectady av, New York
Utah Fire Clay Co. (Assayers' Clay), Salt Lake City, Utah
Woodison E. J. Co. (Brass-Steel), 1621 St. Aubin, Detroit, Mich.
Woods-Lloyd Co., S 30th & Jane, Pittsburgh, Pa.

3444— Crucibles (Filter)

Baker & Co., Inc. (Platinum), 54 Austin, Newark, N. J.
Braun-Knecht-Heimann Co. (Alundum), 576-584 Mission, San Francisco, Cal.
Central Scientific Co., 460 E. Ohio, Chicago, Ill.
Daigger A. & Co., 54 W Kinzie, Chicago, Ill.
Mine & Smelter Supply Co., Denver, Colo.
Scientific Utilities Co., Inc., 18 E 16th, New York

3445— Crucibles (Graphite)

Allen Crucible, 714 50th av, East Oakland, Cal.
Bartley Jonathan Crucible Co., Dept. H, Trenton, N. J.
Braun, Knecht, Heimann Co., 576-584 Mission, San Francisco, Cal.
Foreign Crucibles Corp., Ltd. (Importers), 831 E 15th, Brooklyn, N. Y.
McCullough-Dalzell Crucible Co., 36th and A.V.R.R., Pittsburgh, Pa.
Obermayer S. Co., 2563 W 18th, Chicago, Ill.
Ross-Tacony Crucible Co., Robins & Milner, Phila., Pa.

3446— Crucibles (Iron)

Duriron Castings Co. (Acid Proof), Dayton, O.

Crucibles (Platinum)

See Platinum Crucibles & Dishes

3446a—Crucibles (Porcelain)

Berge, J. & H., 95 John, New York
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Coors Porcelain Co., Dept. H, Golden, Colo.
Herold China & Pottery Co., Golden, Colo.
Guernsey Earthenware Co., Cambridge, O.

3447— *Crucibles (Steel)

Foreign Crucibles Corp., Ltd. (Importers), 831 E 15th, Brooklyn, N. Y.
McCullough-Dalzell Crucible Co. (Melting), 36th & A. V. Ry, Pittsburgh, Pa.
Ross-Tacony Crucible Co., Robins & Milner, Phila., Pa.

3448— Crusher Parts

American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept. H, 14th & State, Chicago Heights, Ill.
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Gruendler Patent Crusher & Pulverizer Co., 982 N Main, St. Louis, Mo.
See adv index at end of book
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
LINK-BELT CO., 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

3449— Crushers (Asphalt)

American Pulverizer Co. ("American" **Ring Pulverizer), 1729H Austin, St. Louis, Mo.**
Gruendler Patent Crusher & Pulverizer Co., 982 N Main, St. Louis, Mo.
See adv index at end of book
KENNEDY-VAN SAUN MFG. & ENG. CORP., 50 Church, New York
See adv index at end of book
Whiting Corp., Dept. H, Harvey, Ill.
WILLIAMS PATENT CRUSHER & PULVERIZER CO., 707 Montgomery st, St. Louis, Mo.
See adv index at end of book

3450— Crushers (Barley)

Gruendler Patent Crusher & Pulverizer Co., 912-928 N Main, St. Louis, Mo.
See adv index at end of book
Robinson H. Mfg. Co., Muncy, Pa.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Williams Patent Crusher & Pulverizer Co., 707 Montgomery st, St. Louis, Mo.
See adv index at end of book

3450a— Crushers (Bone)

WILLIAMS PATENT CRUSHER & PULVERIZER CO., 707 Montgomery st, St. Louis, Mo.
See adv index at end of book

3450b— Crushers (Bradford)

PENNSYLVANIA CRUSHER CO. (Coal Breakers and Cleaners for Mines, Central Stations, Gas Works and By-Product Coke Plants), Stephen Girard Bldg., Philadelphia, Pa.

3450c—Crushers (Brick Bats)

WILLIAMS PATENT CRUSHER & PULVERIZER CO., 707 Montgomery st, St. Louis, Mo.
See adv index at end of book

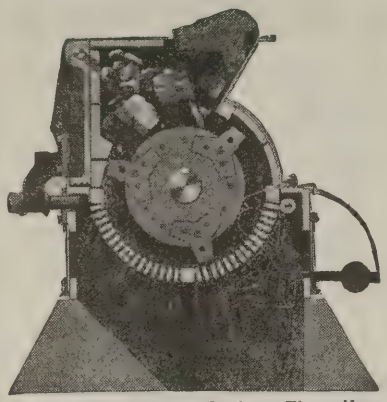
3451— Crushers (Clay)

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
American Pulverizer Co., 1729H Austin, **St. Louis, Mo.**
Anderson Foundry & Machine Works, Anderson, Ind.
Arnold-Creagor Co., New London, O.
Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Bonnot Company, Canton, O.
Brazil Machine & Foundry Co., Brazil, Ind.
Brewer H. & Co., Tecumseh, Mich.
Brunner Machy. Co., Peru, Ill.
Eagle Iron Works, Des Moines, Ia.
Fate-Root Heath Co., Plymouth, O.
See adv index at end of book
Fernholtz Brick Machinery Co., Boyle & Vandeventer av, St. Louis, Mo.
FERNHOLTZ MACHINERY CO., 2053 E 38th, Los Angeles, Cal.
See adv index at end of book
Freese E. M. & Co., Galion, O.
Frost Mfg. Co., Galesburg, Ill.
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Hadfield-Penfield Steel Co. (The), Bucyrus, O. *See adv index at end of book*
International Clay Machy. Co., Dayton, O.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
K. B. Pulverizer Co., Inc., 92 Lafayette, New York.
KENNEDY-VAN SAUN MFG. & ENG. CORP., 50 Church, New York
See adv index at end of book
Stedman's Foundry & Machine Works, Aurora, Ind.
Stevenson Co., Wellsville, O.
Taplin-Rice-Clerkin Co., Akron, O.
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

3452—Crushers (Coal & Coke)

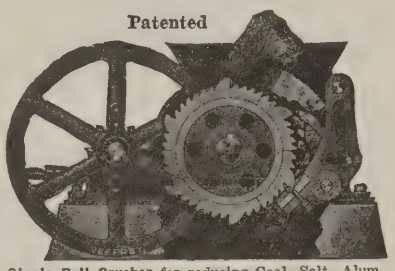
ABBE ENGINEERING CO., 38 Church, New York *See adv index at end of book*
American Pulverizer Co., 1729H Austin, St. Louis, Mo.
BARTLETT & SNOW CO. C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
Beaumont R. H. Co., 319 Arch, Phila., Pa.
Brown Hoisting Machy. Co. (The), 4403 St. Clair, N E, Cleveland, Ohio
See adv index at end of book
Brunner Foundry & Mfg. Co., Peru, Ill.
Connellsville Mach. & Car Supply Co., Connellsville, Pa.
Excel Mfg. Co., Pottersville, N. J.
Exeter Machine Works, Pittston, Pa.
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
FULLER-LEHIGH CO., Fullerton Pa.
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GRUENDLER PATENT CRUSHER & PULVERIZER CO., 982 N Main, St. Louis, Mo. *See adv index at end of book*

(Continued on following page)



Type "B" Rigid Hammer Crusher. Fine uniform product with minimum of fines. Screen Bars accurately regulate size of product. Is especially adapted for reducing coal to sizes smaller than can be obtained with the Jeffrey Single Roll Crusher, or any toothed roll crusher.

Patented



Single Roll Crusher for reducing Coal, Salt, Alum, Bone, etc.

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Built in several types and in various sizes, with wide range of capacities and products such as Limestone, Shale, Gypsum, Marl, Barytes, Clay, Fertilizer Materials, Coal, Coke and other friable materials.

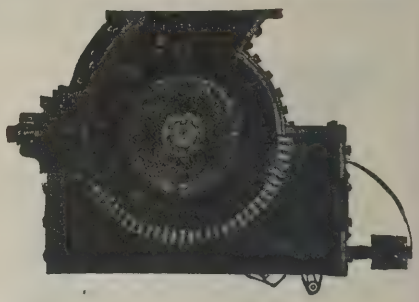
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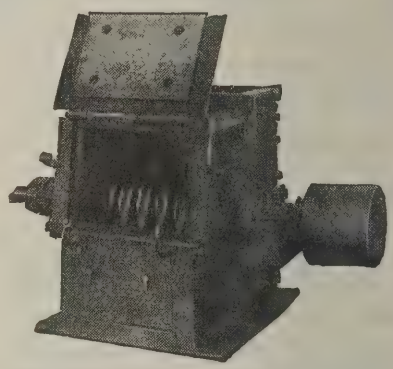
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Type "B" Pulverizer for Extra Heavy Duty.



Type "A" Pulverizer. Double end Manganese Steel Hammers may be turned to wear on four corners. All parts readily accessible. Screen bars can be easily changed to vary the size of the product.

Crushers (Coal & Coke)—Continued

Hunt C. W. Co. (Coal), West New Brighton, N. Y.
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JEFFREY MFG. CO., 961 N Fourth, Columbus, O. ***See adv index at end of book***

K. B. Pulverizer Co., Inc., 92 Lafayette, New York

Keller, C. M., Columbus, Ind.

KENNEDY-VAN SAUN MFG. & ENG. CORP., 50 Church, New York
See adv index at end of book

Kent Mill Co. (Coal), 10H Rapelyea, Brooklyn, N. Y.

LINK-BELT COMPANY ("Link Belt"), 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

Marion Machine Foundry & Supply Co., Marion, Indiana

Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.

Milholland J. & J. B. Co., 714 5th av, Pittsburgh, Pa.

Orton & Steinbrenner Co., 610H S Dearborn, Chicago, Ill.

PENNSYLVANIA CRUSHER CO. (Hammer, Bradford, Single Roll, etc.), Stephen Girard bldg, Philadelphia, Pa. & Pittsburgh, Pa. & New York

Pittsburgh Conveying Machinery Co., **4th & Duquesne wy, Pittsburgh, Pa.**

ROBINS CONVEYING BELT CO., 15 Park Row, New York
See adv index at end of book

Specialty Engineering Co., Trenton & Allegheny **avs, Philadelphia, Pa.**

Sprout, Waldron & Co. (Charcoal Coke, Oil Coke, Corn & Cob), Muncy, Pa.
See adv index at end of book

Stearns Conveyor Co., St. Clair & E 200th, Cleveland, Ohio

Stedman's Fdry. & Machine Works, Aurora, Ind.

Stephens-Adamson Mfg. Co., Aurora, Ill.

Stroud E. H. & Co., 928-934 Fullerton av, Chicago, Ill.

United Iron Works Co., Inc., Kansas City, Mo.

Universal Crusher Co. ("Eureka" & "Universal"), Cedar Rapids, Ia.

Vulcan Iron Works, Wilkes-Barre, Pa.

Webster Mfg. Co. (Coal Only), 4500-60 Cortland, Chicago, Ill.
See adv index at end of book

Williams Patent Crusher & Pulverizer Co., 707 Montgomery st., St. Louis, Mo.
See adv index at end of book

Crushers (Coke)

See Crushers, Coal & Coke

Crushers (Corn & Cob)

See Mills, Corn & Cob

3453— *Crushers (Cullet)

Am. Pulverizer Co., 1729 Austin, St. Louis, Mo.

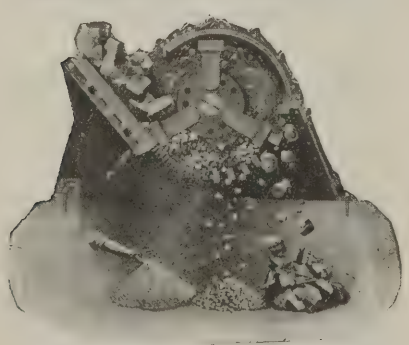
Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book

JEFFREY MFG. CO., 961 N Fourth, Columbus, O. ***See adv index at end of book***

Williams Patent Crusher & Pulverizer Co., 707 Montgomery st, St. Louis, Mo.
See adv index at end of book

3454— Crushers (Glass)

WILLIAMS PATENT CRUSHER & PULVERIZER CO., 707 Montgomery st, St. Louis, Mo.
See adv index at end of book



The Williams Hinged Hammer Principle of crushing, grinding and shredding. Illustration shows how any size product can be obtained by using grates with larger or smaller openings.

Crushers and Grinders

For All Materials, Including

LIMESTONE	BRICK BATS	ROCK ASPHALT	MARL
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LIME	BONES	SHALE	OIL CAKE
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FIRE BRICK	FISH SCRAP	SHELLS	AND CEREALS

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Williams

PATENT CRUSHERS GRINDERS SHREDDERS

3455— Crushers (Hammer)

Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Jeffrey Mfg. Co., 961 N. Fourth, Columbus, Ohio *See adv index at end of book.*
K. B. Pulverizer Co., Inc., 92 Lafayette, New York
PENNSYLVANIA CRUSHER CO. (For Coal, Cement, Limestone, Chemicals, etc.), Stephen Girard bldg, Phila, Pa.
WILLIAMS PATENT CRUSHER & PULVERIZER CO., 707 Montgomery st, St. Louis, Mo.
See adv index at end of book

Crushers (Laboratory)

See Pulverizers, Laboratory

3455a— Crushers (Gypsum)

Williams Patent Crusher & Pulverizer Co., 707 Montgomery st., St. Louis, Mo.
See adv index at end of book

3455b— Crushers (Lime)

Williams Patent Crusher & Pulverizer Co., 707 Montgomery st., St. Louis, Mo.
See adv index at end of book

3455c—Crushers (Limestone)

WILLIAMS PATENT CRUSHER & PULVERIZER CO., 707 Montgomery st, St. Louis, Mo.
See adv index at end of book

3456— Crushers (Oat)

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New New York *See adv index at end of book*
Excel Mfg. Co., Pottersville, N. J.
Gump B. F. Co., 431 S. Clinton, Chicago, Ill.
Robinson H. Mfg. Co., Muncy, Pa.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book

3456a— *Crushers (Portable)

Allis-Chalmers Mfg. Co. (Rock, Ore, etc.), Milwaukee, Wis.
See adv index at end of book
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
Williams Patent Crusher & Pulverizer Co., 707 Montgomery st, St. Louis, Mo.
See adv index at end of book

3457—Crushers (Rock & Ore)

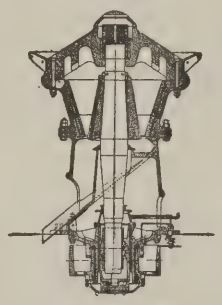
Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
ABBE ENGINEERING CO. (Hand Power), 38 Church, New York
See adv index at end of book
ALLIS-CHALMERS MFG. CO. (Gyratory, Jaw, Roll, Skull, Breaker), Milwaukee, Wis. *See adv index at end of book*
American Pulverizer ("American"), 1729H Austin, St. Louis, Mo.
American Road Machinery Co. ("Champion," "Climax," "Fort Wayne") Kennett Sq., Pa.
Angeles Iron Works, Angeles, Camp, Cal.
Austin Mfg. Co., 910 S Michigan av, Chicago, Ill.
Bethlehem Shipbuilding Corp., Ltd., 20th & Michigan, San Francisco, Cal.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Brunner Machy. Co., Peru, Ill.
BUCHANAN C. H. CO. INC., 90 West, New York
Butterworth & Lowe (Jaw Reciprocating; also Rotary), Grand Rapids, Mich.
Calkins Co. ("Advance" Ore), Los Angeles, Cal.
Chalmers & Williams, Inc. ("Bronze Ball" Gyratory, also "Blake," "Dodge" Disc), 1461 Arnold Heights, Chicago, Ill.
Charleston Dry Dock & Machine Co., Phosphate, Charleston, S. C.
Colorado Iron Works Co., Denver, Colo.
Denver Engineering Works Co. (Ore), Denver, Colo.
Denver Quartz Mill & Crusher Co., Colorado Bldg. (Ore), Denver, Colo.
Engelbach Machine Mfg. Co., Leadville, Col.
Enterprise Foundry Co. ("O-K"), 2902 19th, San Francisco, Cal.
FARREL FOUNDRY & MACHINE CO. (Stone Breakers, etc.), 30 Main, Ansonia, Conn. *See adv index at end of book*
Fuller-Lehigh Co. ("Lehigh") Fullerton, Pa. *See adv index at end of book*
Galena Iron Works Corp., Galena, Ill.
Galion Iron Works & Mfg. Co., Galion, O.
Gruendler Patent Crusher & Pulverizer Co., 982 N Main, St. Louis, Mo.
See adv index at end of book
Hadfield-Penfield Steel Co. (The) (Clay & Rock), Bucyrus, O.
See adv index at end of book
Hallidie Co. ("Blake" & "Hodge" Pattern) Spokane, Wash.
Hendy Joshua Iron Works ("Hercules"), 75 Fremont, San Francisco, Cal.

KENNEDY VAN SAUN

Manufacturing & Engineering Corporation

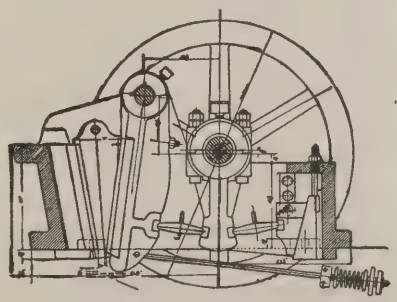
50 Church Street NEW YORK, N. Y.

The Kennedy Gearless Ball Bearing Gyratory Crusher



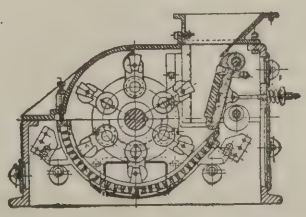
The "Best" in the World
Motor-driven without Belt

The Kennedy Balanced Jaw Crusher



The "Biggest" in the World

The Kennedy Roll Hammer Crusher



The "Wonder" of the World

Hoagland's M. Sons Co., Rockaway, N. J.
Jefferson Iron Works Co., 548 W Jefferson av, Detroit, Mich.
Jeffrey Mfg. Co., 961 N. Fourth, Columbus, Ohio
See adv index at end of book
K. B. Pulverizer Co., Inc., 92 Lafayette, New York
KENNEDY VAN SAUN MFG. & ENG. CORP., 50 Church, New York
See adv index at end of book
Knoxville Fdry. & Mach. Co. (Comb. Jaw Roller Pulverizer), Knoxville, Tenn.
Lansing Co. ("Lansing" Small for Contractors, etc.), Lansing, Mich.
Lewistown Foundry & Machine Co., Lewistown, Pa.
Luther Frederick P. Co., 14 E Jackson blvd, Chicago, Ill.
McFarlane-Eggers Machy. Co., Denver, Colo.
Marathon Mill & Machinery Works, 38 S. Dearborn, Chicago, Ill.
Meyer Henry H Co. (Dirs.), 110 S Howard, Baltimore, Md.
See adv index at end of book
Mine & Smelter Supply Co. (Ore.), 42 B'way, New York
Morgan Engineering Co., Alliance, Ohio
Morse Bros. Machinery & Supply Co. ("Wild" Mill), Denver, Colo.
Moyle E. H. Engineering & Equipt. Co. ("Moyle"), 4824 S Main, Los Angeles, Cal.
New England Road Machy. Co. ("New England"), 15 S Market, Boston, Mass.
Phillips & McLaren ("Blake" and "Forster"), 24th & Smallman, Pittsburgh, Pa.
Port Huron Engine & Thresher Co., Port Huron, Mich.
SMITH ENGINEERING WORKS, 1154 32nd, Milwaukee, Wis.
Smith & Sons Mfg. Co. ("Royal" Rock Crusher, Kansas City, Mo.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Standard Equipment Co. ("Standard"), 63 Foote, New Haven, Conn.
Stephens-Adamson Mfg Co. ("S-A") Aurora, Ill.
Straub Mfg. Co., Dept H, 5th & Chestnut, Oakland, Cal.
STURTEVANT MILL CO., Clayton & Park, Boston, Mass.
Traylor Engng. & Mfg. Co. ("Gyratory," "Blake," etc.), Allentown, Pa.
United Iron Works Co., Inc., Kansas City, Mo.
Universal Road Machinery Co. ("Reliance" Stone Crushers), Kingston, N. Y.
Walker Mfg. Co. ("Blake" & "Dodge"), 2156 15th, Denver, Colo.
Walker & Elliott (Phosphate), Wilmington, Del.
Webb City & Carterville Foundry & Machine Works ("Blake" Crusher), Webb City, Mo.
Western Wheeled Scraper Co. (Rock), Aurora, Ill.
Wheeling Mold & Foundry Co., Wheeling, W. Va.
WILLIAMS PATENT CRUSHER & PULVERIZER CO., 707 Montgomery, St. Louis, Mo.
See adv index at end of book
Worthington Pump & Machinery Corp. 115 B'way, New York
Zelnicker Walter A. Supply Co. (Dealer), 325 Locust, St. Louis, Mo.

3458—Crushers (Rock & Ore, Gyratory)

Allis-Chalmers Mfg. Co. ("Gates," "McCully" and "Allis-Chalmers"), Milwaukee, Wis.
See adv index at end of book
Austin Mfg. Co., 910 S Michigan av, Chicago, Ill.
Chalmers-Williams Mfg. Co. ("B. B."), 1461 Arnold, Chicago Heights, Ill.
Good Roads Machinery Co. Kennett Square, Pa.
Gruendler Patent Crusher & Pulverizer Co., 982 N Main, St. Louis, Mo.
See adv index at end of book
KENNEDY-VAN SAUN MFG. & ENG. CORP. (Gear Driven & Gearless), 50 Church, New York
See adv index at end of book
Morgan Engineering Co. ("Weston" Direct Drive), Alliance, Ohio
SMITH ENGINEERING WORKS, 1154 32nd, Milwaukee, Wis.
Traylor Engineering & Mfg. Co. ("Blake," etc), Allentown, Pa.
Worthington Pump & Machinery Corp. 115 B'way, New York

3459—Crushers (Rock & Ore, Hand Power)

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Moyle E. H. Engng. & Equipt. Co. ("Moyle"), 503 E. 9th, Los Angeles, Cal.

3460—Crushers (Rock & Ore, Jaw)

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
ACME ROAD MACHY CO. (Oil Shale), Frankfort, N. Y.
Allis-Chalmers Mfg. Co. ("All Steel," Blake & Dodge), Milwaukee, Wis.
See adv index at end of book
Angeles Iron Works, Angeles, Camp, Cal.
Austin Mfg. Co. S. Michigan av, Chicago, Ill.
Box William A. Iron Works Co., 3309 Blake, Denver, Colo.
Case J. I. Threshing Machine Co., Racine, Wis.
Chalmers-Williams Mfg. Co. ("Blake," "Dodge"), 1461 Arnold, Chicago Heights, Ill.
Colorado Iron Works Co., Denver, Colo.
Denver Engineering Works Co., Denver, Colo.
Enterprise Foundry Co. ("O. K."), 2902 19th, San Francisco, Cal.
Galena Iron Works Corp., Galena, Ill.
Good Roads Machinery Co., Kennett Square, Pa.
Gruendler Patent Crusher & Pulverizer Co., 982 N Main, St. Louis, Mo.
See adv index at end of book
Hassell Iron Works Co., Colorado Springs, Colo.
Hopley A. E. ("O. K."), 235 Montgomery, San Francisco, Cal.
KENNEDY VAN SAUN MFG. & ENG. CORP. ("Blake," "Dodge"), 50 Church, New York
See adv index at end of book
McFarlane-Eggers Machy. Co., Denver, Colo.
Moore Bros. (Second Hand), 39 S La Salle, Chicago, Ill.
SMITH ENGINEERING WORKS, 1154 32nd, Milwaukee, Wis.
Stearns-Roger Mfg. Co., 1720 California, Denver, Colo.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
See adv index at end of book
Universal Crusher Co., Cedar Rapids, Ia.
Universal Road Machy. Co. ("Reliance"), Kingston, N. Y.
Western Wheeled Scraper Co. (Jaw), Aurora, Ill.
Wortnington Pump & Machinery Corp., 115 B'way, New York

3461—Crushers (Roll Hammer)

Gruendler Patent Crusher & Pulverizer Co., 982 N Main, St. Louis, Mo.
See adv index at end of book
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
KENNEDY VAN SAUN MFG. & ENG. CORP., 50 Church, New York
See adv index at end of book
Williams Patent Crusher & Pulverizer Co., 707 Montgomery st, St. Louis, Mo.
See adv indcx at end of book

3461a—*Crushers (Roll Jaw)

Allis-Chalmers Mfg. Co. ("Fairmount"), Milwaukee, Wis.
See adv index at end of book
Gruendler Patent Crusher & Pulverizer Co., 912-928 N Main, St. Louis, Mo.
See adv index at end of book
Kennedy Van Saun Mfg. & Eng. Corp. 50 Church, New York
See adv index at end of book

3462— Crushers (Rotary)

Am. Pulverizer Co., 1729 Austin, St. Louis, Mo.
Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
KENNEDY VAN SAUN MFG. & ENG. CORP., 50 Church, New York
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Pennsylvania Crusher Co. (For Chemicals, Coal, Lime, etc.), Stephen Girard bldg, Phila., Pa.
Sturtevant Mill Co. (For Chemicals, Paints, Phosphate, etc), Clayton & Park, Dorchester, Boston, Mass.

3462a1—Crushers (Single Roll)

Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Gruendler Patent Crusher & Pulverizer Co., 982 N Main, St. Louis, Mo.
See adv index at end of book
Jeffrey Mfg. Co., 961 N. Fourth, Columbus, Ohio
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
PENNSYLVANIA CRUSHER CO. (Coal, Limestone, Lime, Chemicals, Caustic Soda, etc.), Stephen Girard bldg, Phila., Pa.
Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

3462a— *Crushers (Slag)

Am. Pulverizer Co., 1729 Austin, St. Louis, Mo.
Gruendler Patent Crusher & Pulverizer Co., 982 N Main, St. Louis, Mo.
See adv index at end of book
JEFFREY MFG. CO., 961 N Fourth, Columbus, O.
See adv index at end of book
Williams Patent Crusher & Pulverizer Co., 707 Montgomery st., St. Louis, Mo.
See adv index at end of book

3463— Crushers (Spindle)

Bethlehem Steel Co., South Bethlehem, Pa.

Crushers (Sugar Cane)

See Mills, Sugar Cane

3464—Crushers & Levelers (Clod)

Advance Rumley Co. ("Advance," "Scott," "Rumley"), Madison & Lincoln Way, La Porte, Ind.
Brillion Iron Works, Brillion, Wis.
Cutaway Harrow Co. ("Clark," "Lightning"), Higganum, Conn.
Deere John Plow Works, Moline, Ill.
Deere & Co. ("Deere"), Moline, Ill.
Dunham Co. "Dunham," "Culti-Parker"), Berea, O.
Emerson-Brantingham Co. ("E B"), **Rockford, Ill.**
Grand Detour Plow Co. ("Grand Detour"), Dixon, Ill.
Moline Plow Co. ("Paralyzer" & "Brillion"), Moline, Ill.
Nash Duane H. ("Acme"), Millington, N. J.
Ohio Cultivator Co. ("Cyclone"), Bellevue, O.
Oliver Chilled Plow Works ("Oliver"), South Bend, Ind.
Rock Island Plow Co. ("Smasher"), Rock Island, Ill.
Sechler D. M. Implement & Carriage Co. ("Black Hawk"), Moline, Ill.
Sterling Mfg. Co. ("Sterling"), Sterling, Ill.
Stiles, H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

3464a— Crutches

Elliott E. A., Rumney, N. H.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Warnick, E. H. Co., Wilkes-Barre, Pa.

3465— Crutches (Pole)

Hallett Iron Works ("Hallett"), Harvey, Ill.

3465a—*Crystal (Brazilian Rock)

Diamond Drill Carbon Co., 59 Park Row, New York

3466—*Crystallizers (Ammonium Nitrate)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

3467— Crystallizers (Sugar)

Blymer Iron Works Co., Cincinnati, O.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

BUFFLOVAK CRYSTALLIZERS

Atmospheric Type can be used as a dryer or crystallizer.

Vacuum Type successfully dries delicate materials that are sticky or "ball up"

BUFFALO FOUNDRY & MACHINE CO.
65 Winchester Avenue, Buffalo, N. Y.

Chattanooga Boiler & Tank Co., 1011 E. Main, Chattanooga, Tenn.
Coatesville Boiler Works, 111 S. 15th st, Philadelphia, Pa.
Devine J. P. Co., Buffalo, N. Y.
Dibert Bancroft & Ross Co., Ltd., Tulane & Hagan av, New Orleans, La.
Dover Boiler Works. Sales Office, 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Dver Co., 2031 Euclid av. Cleveland, O.
Harry Brothers Co., Carrollton & I. C. R. R., New Orleans, La.
Honolulu Iron Works Co., 233 Broadway, New York
Joubert & Goslin Mach. & Fdry. Co., Birmingham, Ala.
Kilby Mfg. Co., 4623 Lakeside av, Cleveland, O.
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
Pioneer Iron Works, 149 Pioneer, Brooklyn, N. Y.
Riter-Conley Co., Oliver bldg., Pittsburgh, Pa.
Stearns-Roger Mfg. Co., 1720 California, Denver, Colo.
Treadwell Constr. Co., Midland, Pa.
Treadwell M. H. Co., 140 Cedar, New York
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill
Furl Iron & Car Co., Inc., The, 50 Broad, New York; Works: Newburgh, N. Y.
Von Phul Gilbert D. Hibernia Bank bldg., New Orleans, La.
Walsh & Weidener Boiler Co., Chattanooga, Tenn.
Wayte W. J. (Dirs), 5844 Grand Central Terminal, New York

*Crystallizing Evaporators

See Evaporators (Crystallizing)

3468— Crystals

American Chemical Co. (Soda), 708 Gwynne bldg., Cincinnati, O.
Banister & Pollard Co. (Dirs.), 206 Market, Newark, N. J.
General Chemical Co. (Sulphide, Soda, Muriate of Tin), 25 Broad, New York
Solvay Process Co. (Mono-Hydrate & Snow Flake), Syracuse, N. Y.
Wagner Chas. A. Co., Inc. (Logwood), 810 Noble, Philadelphia, Pa.

3468a— Crystals (Fuchsine)

Dicks David Co., Inc., 44 Watts, New York
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Stein Hall & Co., Inc., 61 B'way, New York
Wetterwald & Pfister Co., 276 Spring, New York

3468b—Crystals (Monohydrate)

Roessler & Hasslacher Chemical Co., 709 6th av, New York.
See adv index at end of book
Solvay Process Co., Syracuse, N. Y.

3468c— Crystals (Radio)

Adams Morgan Co., Upper Montclair, N. J.
Am. Radio & Research Corp., 203 College, Medford Hillside, Mass.
Andrea Frank A. D. ("Fada"), 1382 Jerome av, New York
Banister & Pollard Co., 206 Market, Newark, N. J.
Bronx Radio Equipment Co., 687 Courtlandt, New York
Conn. Tel. & Elec. Co., Meriden, Conn.
De Forest Tel. & Telg. Co., 1415 Franklin st, Jersey City, N. J.
Duck Wm. B. Co., 224 Superior, Toledo, O.
Electric Machine Co., Pratt & Meriden, Indianapolis, Ind.
FOOTE MINERAL CO. (Radio Crystals), 109 N 19th, Phila., Pa.
Freed-Eiseman Radio Corp. ("F-E"), Sperry bldg., New York
Galena Crystal Mfg. Co., 2894 Fulton, Brooklyn, N. Y.
Lee Electric & Mfg. Co. ("Lemco"), 220 8th, San Francisco, Cal.
Mineral Products Co. ("Aigenlite"), H. W. Heilman bldg, Los Angeles, Cal.
National Motor Accessories Corp., 57th & B'way, New York
National Radio Co., Marshall, Minn.
Newman Stern Co., E 12th & Walnut, Cleveland, Ohio
Nola Radio Co., 134 Chartres, New Orleans, La.
Northwest Radio Service Co. ("Puget"), 1637 Westlake av, Seattle, Wash.
O'Donnell J. R. & Co., 171 2d, San Francisco, Cal.
Pacent Elec. Co., 22 Park pl, New York
Parkin Mfg. Co., San Rafael, Cal.
Radio Corp. of Am., 64 Broad, New York
Radio Specialty Co., 96 Park pl, New York
Scheib Elec. Radio Co. ("Serco"), 6243 Station, Pittsburgh, Pa.
Ship Owners Radio Service Co. (Dirs.), 80 Washington, N. Y.
Signal Elec. Mfg. Co., Menominee, Mich.
Tresco, Davenport, Iowa
Wilcox Laboratories, 2208 E Michigan av, Lansing, Mich.
Wireless Improvement Co., 66 York, Jersey City, N. J.
Wireless Specialty Apparatus Co., 76 Atherton, Boston, Mass.
Wisconsin Radio Corp., Madison, Wis.

3469-70—Crystals (Watch)

American Optical Co., Southbridge, Mass.
Bache Semon & Co. (Imp), 636 Greenwich, New York
Berger Albert & Co. ("W. B. & C."), 45 John, New York
Hammel Riglander & Co., 209 W 14th, New York
Seymour Ernest, 36 John, New York
Waterbury Clock Co., Waterbury, Conn.

3471—Cues (Billiard & Pool)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Pick Albert & Co., 212 W. Randolph, Chicago, Ill.
Spinks, Wm. A. & Co., 362 W. Erie, Chicago, Ill.

3472— Cullet

Levy Max & Co. (Jobbers & Brokers), 845 Rees, Chicago, Ill.

3473—Cultivator Attachments

Empire Plow Co., 3140 E 65th, Cleveland, O.
Gale Mfg. Co., Albion, Mich.
Niles Steel Products Co. (Shields), Niles, Ohio *See adv index at end of book*
Youngstown Pressed Steel Co., Warren, O. *See adv index at end of book*

3474— Cultivators

(See also following headings)

Akron Cultivator & Mfg. Co. (Riding & Walking, Pivot Axle Automatic, also Walking), 3144 E 65th, Cleveland, O.
Albright Jas. H. & Sons (Riding & Walking), Mifflinburg, Pa.
Allen S. L. & Co. ("Planet, Jr."), 5th & Glenwood, Phila., Pa.
American Seeding Machine Co., Springfield, O.
Anderson Frank W., Portland, N. Y.
Arnold's G. W. Son, Ionia, Mich.
Avery B. F. & Sons (Riding & Walking), Louisville, Ky.
Avery Co. ("Avery"), Peoria, Ill.
Babcock Mfg. Co. ("Otsego," Walking, One Horse), Leonardville, N. Y.
Bacon Mfg. Co. (Garden), Pontiac, Mich.
Bailor Plow Mfg. Co. (Corn & Cotton), Atchison, Kan.
Batavia Clamp Co., Batavia, N. Y.
Bateman Mfg. Co. ("Iron Age" Riding, Walking & Horse Hoe), Grenloch, N. J.
Beatrice Iron Works, Beatrice, Neb.
Belcher & Taylor Agl. Tool Co. (Prouts Hoeing Machine), Chicopee Falls, Mass.
Blount Plow Works (Walking & Riding, "True Blue" Spring Trip), 1128 E. Illinois, Evansville, Ind.
Bridgewater Plow Corp. ("Superior" 5 Tooth), Bridgewater, Va.
Brinly Hardy Co. (Riding & Walking, etc.), Louisville, Ky.
Bristol & Gale Co. (Hand), 158 Carroll av, Chicago, Ill.
Brown-Manly Plow Co., Malta, O.
Brown Mfg. Co. (Riding & Walking), Zanesville, O.
Burch Plow Works Co., Crestline, O.
Caledonia Bean Harvester Works, Caledonia, N. Y.
California Plow Co., 140 Polhenus, San Jose, Cal.
Case J. I. Plow Works ("Case Crank Shift," "Case Pivot Axle," "Case Pivot Frame," "Case Surface," "Case Seat Guide," "Eclipse," "New Texas," "Twin," Two Row Point Axle, "Turn Twin Narrow Tread," "Universal" Disc & Two Row Listed Corn Riding, & "Admiral," "Case Balance Frame," "Case Easy," "Case Easy Northern," "Case Easy Southern," Walking), Racine, Wis.
Champion Drill Co., Avon, N. Y.
Chattanooga Implement & Mfg. Co. (E-C), Chattanooga, Tenn.
Collins Plow Co. (Disc & Riding & Walking Combined), Quincy, Ill.
Cutaway Harrow Co., Higganum, Conn.
Davidson-Dietrich Plow Co., 402 1st L, Evansville, Ind.
Deere John Plow Works (Walking, Riding Two Row, Lister, Disc), Moline, Ill.
Deere & Co. (Sugar Cane, Alfalfa, Disc & Beet; also Walking, Riding & Combined Riding & Walking), Moline, Ill.
Dempster Mill Mfg. Co., Beatrice, Neb.
Dodge, H. C. Inc. ("Spry Wheel"), 48 Alger, Boston, Mass.
Donaldson Bros. ("Steel King," "Jiant," "Baldwin's American"), Mt. Clemens, Mich.
Doylestown Agricultural Co., Doylestown, Pa.
Elizabeth City Iron Wks. & Supply Co., Elizabeth City, N. C.
Emerson-Brantingham Co. ("E. B."), Walking, Riding, Lister, Beet, Motor) Rockford, Ill.
Empire Plow Co. ("Cleveland"), 3140 E 65th, Cleveland, O.
Eureka Mower Co. (Spike, Spring & Shovel Tooth Walking, etc.), 1005H Hickory, Utica, N. Y.
Everts Mfg. Co., Meridian, N. Y.
Fairbanks Co. ("Acme"), Springfield, O.
Farquhar A. B. Co., Ltd. ("Farquhar" Riding & Walking), York, Pa.
Gale Mfg. Co. (Riding or Walking, also Walking Tongue & Tongueless, also Fine Tooth, etc), Albion, Mich.
Genung C. W. (Disc & Single & Double Wheel), Madison, O.
Gowanda Agl. Works (Horse Hoe, etc), Gowanda, N. Y.
Grand Detour Plow Co. ("Uncle Sam," "Colonial" Walking & Riding), Dixon, Ill.
Greenville Implement Co. (Star Shovel), Greenville, Mich.
Harriman Mfg. Co., Harriman, Tenn.
Hartig W. F. Plow Co. (Up-to-Date), 2200 1st av, Evansville, Ind.
Hartman Mfg. Co. (Disc Riding & Walking), Vincennes, Ind.
Hayes Pump & Planter Co. ("Hayes" Riding & "Leila," "Slick," "Leader," "Victor" Walking), Galva, Ill.
Held Frank Tractor Co. ("Gromor" Tractor Garden), 607-11 N 4th, Columbus, Ohio
Herschel R. Mfg. Co. (Single Wheel), Peoria, Ill.
Hussey Plow Co., No Berwick, Me.
International Harvester Co. ("McCormick-Deering"), Harvester bldg, Chicago, Ill.
Janesville Machine Co. (Disc & Lister), Janesville, Wis.
Keller Mfg. Co., 1325 N E, Quincy, Minneapolis, Minn.
Kelly G. A. Plow Co, Longview, Tex.
Killefer Mfg. Co., Box 270, Huntington Park, Cal.
King Drill Mfg. Co., Nebraska City, Neb.
King & Hamilton Co. ("Little Boy"), Ottowa, Ill.
Knapp Plow Co., Inc., San Jose, Cal.
La Crosse Plow Co. (Riding & Walking), La Crosse, Wis.
Lean Roderick Mfg. Co. (Riding, "New Century 3 Star," "Simplex," "National"), Mansfield, O.
Le Roy Plow Co., Le Roy, N. Y.
Long & Allstatter Co. (Riding, Walking, Tongue & Tongueless), Hamilton, O.
Lyon Iron Works, Greene, N. Y.
McDonald Wm. Sons, Lapeer, Mich.
Madison Plow Co. (Riding & Walking), Madison, Wis.
Maroa Mfg. Co., Maroa, Ill.
Mason F. C. & Co. ("Banner," Hand, etc), St. Johns, Mich.
Massey-Harris Harvester Co., Batavia, N. Y.
Messinger Mfg. Co. (Steel King Walking), Tatamy, Pa.
Moline Plow Co. (Tongue Walking, Tongueless Walking, Riding, Combined Walking & Riding, Disc, Lister, etc, "Dandy," "Texas Dandy",) Moline, Ill.
Monitor Drill Co., St. Louis Park, Minn.
Monmouth Plow Factory (Riding, Combined Walking & Tongueless, "Monmouth"), Monmouth, Ill.
Moore Plow & Implement Co. (Beet & Garden), Greenville, Mich.
Motor Macultivator Co., 1306H Dorr, Toledo, Ohio
Munnsville Plow Co. Steel Frame, Wheel, Harrow, Lever, etc), Munnsville, N. Y.
Norcross C. S. & Sons (Garden Wheel), Bushnell, Ill.
O'Neil T. L. ("Flying Sweedes" for Listed Corn, etc), Marseilles, Ill.
Ohio Cultivator Co. (Sulky & Walking, "Famous Ohio"), Bellevue, O.
Ohio Rake Co. (Riding, "Dayton"), Dayton, O.
Oliver Chilled Plow Works ("Oliver," Walking & Riding), South Bend, Ind.
Palmer Jarvis, Northville, Mich.
Pattee Plow Co. ("New Departure" Disc, "Biplane" Shovel, "Pattee" Listed Corn), Monmouth, Ill.
Patterson Mfg. Co., Holly, Mich.
Peru Plow & Wheel Co. (Riding & Walking), Peru, Ill.
Racine-Sattley Co. (Walking, Riding & Combined "Sattley," "Corker," "Monarch," "Banner," "Sangamo," "Noxall," **"New Prime" (2 Row), "Warner,"** "Lucky Hit," "Easy Way," "Hummer," "Only Way," 81 R., 82 R.), Springfield, Ill.
Reed Fdry. & Mach. Co. ("Reed" All Steel), Kalamazoo, Mich.
Reschke Machine Works Co., Wichita, Kas.
Rock Island Plow Co. (Riding & Walking), Rock Island, Ill.
Rockford Mfg. Co. ("Dewey," "Tiger," "Hiram," "Rockford"), Rockford, Ill.
Rowland T. T. & Son, Tuscumbia, Ala.
Sargent, Osgood & Roundy Co., Randolph, Vt.
Smith D. B. & Co. (Walking), Utica, N. Y.
South Bend Chilled Plow Co. (Riding & Walking), South Bend, Ind.
Southern Plow Co., Dallas, Texas.
Sparta Plow Works, Sparta, Ill.
Sterling Mfg. Co., Sterling, Ill.
Swanson Plow Co., Muskogee, Okla.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Thompson Plow & Engine Works, Beloit, Wis.
Tower J. D. & Sons Co. (Walking & Riding, "Tower Surface"), Mendota, Ill.
Towers & Sullivan Mfg. Co. ("Little Joe," "Champion," "Eureka"), Rome, Ga.
Ulrich Mfg. Co., Rock Falls, Ill.
Van Brunt Mfg. Co., Horicon, Wis.
Washington Weeder Works (Double Disc Weeder), Walla Walla, Wash.
West & Townsend, Martinsville, O.
Whitaker Mfg. Co., 409 S Green, Chicago, Ill.
Wood Bros. Thresher Co., Des Moines, Ia.
Wood Walter A. Mowing & Reaping Machine Co. ("Queen"). Hoosick Falls, N. Y.
Woodhouse J. S. Co., 256 West, New York

3475— Cultivatcrs (Alfalfa)

Bucher & Gibbs Plow Co. ("Imperial"), 800-36 2nd S. E., Canton, Ohio
Deere & Co. ("Deere" Drag Bar Type), Moline, Ill.
Dodge, H. C., Inc. ("Spry Wheel"), 48 Alger, Boston, Mass.
Killefer Mfg. Co., Box 270, Huntington Park, Cal.
Knapp Plow Co., Inc., San Jose, Cal.
Lean Roderick Mfg. Co. ("Roderick Lean"), Mansfield, O.
Light Draft Harrow Co. ("Kerkner"), Marshalltown, Ia.
Moline Plow Co. ("Moline"), Moline, Ill.
Reschke Machine Works, Wichita, Kan.
South Bend Chilled Plow Co. ("South Bend"), South Bend, Ind.

3476—Cultivators (Bean & Corn)

Allen S. L. & Co. ("Planet, Jr."), 5th & Glenwood, Phila., Pa.
American Seeding Machine Co., Springfield, O.
Bailor Plow Mfg. Co., Atchison, Kans.
Bucher & Gibbs Plow Co. (One & Two Horse Beet & Corn), 800-36 2nd av S. E., Canton, O.
Case J. I. Plow Works, Racine, Wis.
Dodge, H. C., Inc. ("Spry Wheel"), 48 Alger, Boston, Mass.
International Harvester Co. ("McCormick-Deering," "International," "P. & O." One Horse Corn), Harvester bldg, Chicago, Ill.
Killefer Mfg. Co., Box 270, Huntington Park, Cal.
Knapp Plow Co., Inc., San Jose, Cal.
Moline Plow Co. ("Michigan" "Flying Dutchman"), Moline, Ill.
Mountville Mfg. Co., Mountville, Pa.
Ohio Cultivator Co. ("Ohio"), Bellevue, O.
Oliver Chilled Plow Works, South Bend, Ind.
Reschke Machine Works, Wichita, Kans.
Rock Island Plow Co., Rock Island, Ill.
Tower J. D. & Sons Co. ("Tower"), Mendota, Ill.
Wood W. A. Mowing & Reaping Machine Co., Hoosick Falls, N. Y.

3477— Cultivators (Beet)

Akron Cultivator Co. ("Kraus" Pivot Axle 2 Row), Akron, Ohio
Allen S. L. & Co. ("Planet Jr." 2 & 4 row), 5th & Glenwood, Phila., Pa.
Bateman Mfg. Co. ("Iron Age" 2 row), Grenloch, N. J.
Brown Mfg. Co. (Two Row), Zanesville, O.
Bucher & Gibbs Plow Co. ("Imperial" two Row), 800-36 2nd av S. E., Canton, O.
Deere & Co. ("Deere" Steel, Two Row), Moline, Ill.
Deere & Co. (2 & 4 Row), Moline, Ill.
Dodge, H. C., Inc. ("Spry Wheel"), 48 Alger, Boston, Mass.
Emerson-Brantingham Co. ("E. B."), 3140 E 65th, Rockford, Ill.
Gale Mfg. Co. ("Gale" 2 Row), Albion, Mich.
Hayes Pump & Planter Co. ("Leader," "Victor" Two Row), Galva, Ill.
International Harvester Co. ("McCormick-Deering"), Harvester bldg, Chicago, Ill.
Knapp Plow Co., Inc., San Jose, Cal.
Lehr Agricultural Co. (Two Row), Fremont, O.
Moline Plow Co. ("Moline" 2 Row Walking, & 4 Row Riding), Moline, Ill.
Moore Plow & Implement Co. ("Moore" 2 Row), Greenville, Mich.
Ohio Cultivator Co. ("Ohio" 2 Row), Bellevue, Ohio
Wood Walter A. Mowing & Reaping Co., Hoosick Falls, N. Y.

3478— Cultivators (Garden)

Acme Cultivator Co., Salem, Ohio
Akron Cultivator & Mfg. Co. ("Akron" Wheel, Hand), 3144 E 65th, Cleveland, O.
Allen S. L. Co. ("Planet, Jr."), 5th & Glenwood, Phila., Pa.
American Fork & Hoe Co. ("Invincible" & "Victor" Hand & Garden Plows & Seeders, Double & Single Wheel Cultivators), Swetland bldg., Cleveland, O.
Avery B. F. & Sons ("Avery" Wheel, Hoe, Plow & Weeder), Louisville, Ky.
Bacon Mfg. Co. ("Bacon" Wheel), Pontiac, Mich.
Bateman Mfg. Co. ("Iron Age" Wheel, Hoe, Plow, Weeder), Grenloch, N. J.
Blocki F. Co. ("Blocki"), Sheboygan, Wis.
Brinly Hardy Co. ("Columbia" Wheel, Hoe, Plow & Weeder), Louisville, Ky.
Bristol & Gale Co. (Wheel Hand), 158 Carroll av, Chicago, Ill.
Brown Mfg. Co. ("Perfection"), Zanesville, O.
Brown-Manly Plow Co. ("Fair," "Rival," Wheel Hoe, Plow & Weeder), Malta, O.
Buffum Tool Co. ("New Boss"), South Side, Louisiana, Mo.
Crescent Forge & Shovel Co. (Wheel), Havana, Ill.
Dodge, H. C., Inc. ("Spry Wheel"), 48 Alger, Boston, Mass.
Gale Mfg. Co., Albion, Mich.
Empire Plow Co. ("Baby," "Push Bars," "Boy Scout," "Rural," "Wizard," Wheel Hand), 3140 E 65th, Cleveland, O.
Genung C. W. ("Iron King" Wheel), Madison, O.
Greenville Implement Co. ("Banner," "Garden King," "Peerless" Wheel), Greenville, Mich.
Hartman Mfg. Co. ("Little Gem," "Tip Top"), Vincennes, Ind.
Held Frank Tractor Co., 607-11 N 4th, Columbus, O.

(Continued on following page)

Cultivators (Garden)—Continued

Herschel R. Mfg. Co. ("Standard"), Peoria, Ill.
Knapp Plow Co., Inc., San Jose, Cal.
Lean Roderick Mfg. Co., Mansfield, O.
Light Draft Harrow Co. ("Forkner"), Marshalltown, Ia.
Mason F. C. & Co. ("Banner" Wheel), St. Johns, Mich.
Moore Plow & Implement Co. ("Gem," "Go-Easy," "Moore's" Wheel), Greenville, Mich.
Motor Macultivator Co. ("Motor Macultivator" Garden), 1308 Dorr, Toledo, Ohio
New Idea Spreader Co. ("Coldwater," "New Idea"), Coldwater, O.
Niemann & Hieronymus (Rotary), Mt. Olive, Ill.
Norcross C. S. & Sons ("Norcross" Hand), Bushnell, Ill.
Ohio Cultivator Co. ("Little Giant," "Magnolia," "Ohio," "Skaboo," "Southern Queen," "Climax," "Dexter" Wheel), Bellevue, O.
Parlin & Orendorff Co. ("P. & O. Canton" Wheel, Hoe, Plow & Weeder), Canton, Ill.
Peru Plow & Wheel Co. ("Clipper"), Peru, Ill.
Pull-Easy Mfg. Co. ("Pull-Easy"), Waukesha, Wis.
Sheffield Mfg. Co. (Hand), Burr Oak, Mich.
South Bend Chilled Plow Co. ("Jewell," "Newmarket"), South Bend, Ind.
Tenney & Co., Decatur, Ill.
Thornburgh Mfg. Co. ("National," "Peerless," "Rival," "Toledo," "Garden King," Wheel, Hoe, Plow & Weeder), Bowling Green, O.
Whitaker Mfg. Co. ("Dixie," "Excelsior," "Gem," "Jarvis," "National," "Roxbury," "Whitaker," "Kokomo"), 409 S Green, Chicago, Ill.

3479— Cultivators (Onion)

See also Drills, Onion

Allen S. L. & Co. ("Planet Jr." Wheel Hand), 5th & Glenwood, Phila., Pa.
Bacon Mfg. Co. ("Bacon," Wheel Hand), Pontiac, Mich.
Dodge, H. C., Inc. ("Spry Wheel"), 48 Alger, Mass.
Genung C. W. ("Iron King," Wheel Hand), Madison, Ohio
Knapp Plow Co., Inc., San Jose, Cal.

3480-1— Cultivators (Sled)

Avery B. F. & Sons ("Avery" 1 & 2), Louisville, Ky.
Deere & Co. ("John Deere" No. 4), Moline, Ill.
Emerson-Brantingham Co. ("E. B."), Rockford, Ill.
Grand Detour Plow Co. ("Grand Detour"), Dixon, Ill.
Ohio Cultivator Co. ("Challenge," "Defiance," "Easy," "Hustler," "New Easy," "New Ohio"), Bellevue, O.
Oliver Chilled Plow Works ("Oliver"), South Bend, Ind.

Culvert Forms

See Centering, Steel; also Concrete Forms

3482— Culverts (Cast Iron)

See also Cast Iron Pipe Mfrs., Gas & Water

American Casting Co. ("National" Lock Joint), Birmingham, Ala.
Beach Mfg. Co, Charlotte, Mich.
Brillion Iron Works ("Sperry Perfection"), Brillion, Wis.
Colby N. H. ("Sperry Perfection"), Granville, Ill.
Denver Steel & Iron Wks. Co., Box 1196, Denver, Colo.
Fisher C. W., 52H B'way, New York
Galion Iron Works & Mfg. Co. ("Ideal"), Galion, O.
Metal Post & Culvert Co., Niles, O.
Munnsville Plow Co. ("Sperry Perfection"), Munnsville, N. Y.
Republic Pipe & Iron Corp., 23H Varick av, Brooklyn, N. Y.
See adv index at end of book
Rothe Jos. F. Foundry Co. ("Daggett's Expansion), Green Bay, Wis.
United States Cast Iron Pipe & Foundry Co., Burlington, N. J.
Wetter H. Mfg. Co. ("Sperry Perfection"), 107 Court av., Memphis, Tenn.

Culverts (Corrugated, Galvanized Iron, Etc.)

See Culverts, Road

3483— Culverts (Road)

Albert & Davidson Pipe Corp. (Galv. & Iron), 256-264 Oakland, Brooklyn, N.Y.
See adv index at end of book
American Casting Co. ("National" Lock Joint Cast Iron & Railroad), Birmingham, Ala.
American Road Machinery Co. (Corr. Iron), Kennett Sq., Pa.
American Rolling Mill Co. ("American Ingot Iron"), Middletown, O.
American Steel Pipe & Tank Co., 608H S Main, Los Angeles, Cal.
Atlas Metal Works (Corrugated), Dallas, Tex.
Bark River Bridge & Culvert Co. (Corrugated), Bark River, Mich.
Beach Mfg. Co., Charlotte, Mich.
Beatrice Iron Works (Metal), Beatrice, Neb.
Beatrice Steel Tank Mfg. Co. ("New-Way"), Beatrice, Neb.
Booth & Flinn Ltd. (Concrete), 1942 Forbes, Dept. H, Pittsburgh, Pa.
Butler Mfg. Co. ("Rus-Pruf" Steel), 1228 Eastern, Kansas City, Mo.
Butler Mfg. Co., 700 6th av, S E, Minneapolis, Minn.
California Corrugated Culvert Co. ("Armco"), W Berkley & Los Angeles, Cal.
Canton Culvert & Silo Co. ("No-Co-Ro" Metal), 1038 Belden av N. E., Canton, Ohio
Capital City Culvert Co., Madison, Wis.
Champion Bridge Co. (Iron), Wilmington, O.
Coast Culvert & Flume Co., Dept. H, California blvd & Derbey, Portland, Ore.
Columbian Steel Tank Co., New England bldg (Corrugated), Kansas City, Mo.
Coral Concrete Culv. Mfg. Co., Coral, Mich.
Corrugated Culv. Co. (Corr), Moberly, Mo.
Dixie Culvert & Metal Co. ("Armco" Corr.), Atlanta, Ga.
Dominion Metal Product Co. ("Imperial," Round Riveted, "Acme" Nestable), Roanoke, Va.
Elkhart Bridge & Iron Co., Elkhart, Ind.
Feenaughty Machinery Co., 309 E Garnhill, Portland, Ore.
Fisher C. W., 52H B'way, New York
Florida Metal Products Co. ("Acme" Nestable & "Imperial" Riveted Corrugated Metal), Jacksonville, Fla.
Fort Dodge Culv. & Iron Mills Co. (Corr.), Fort Dodge, Ia.
Galion Iron Works & Mfg. Co. ("Sterling" Corrugated Metal), Galion, O.
Grand Island Culvert & Metal Works, Grand Island, Neb.
Harry Bros. Co. (Corr. Galv. Iron), Carr av & I. C. R. R., New Orleans, La.
Harry O. K. Steel Co. (Toncan Metal), 2333 Papin, St. Louis, Mo.
Harry O. K., Steel Works (Corrugated Steel), Dallas, Tex.
Heller-Aller Co. (Galv. Steel), Napoleon, O.
Holzer R. G. (Est. of) (Corrugated Rain), 817 Burgundy, New Orleans, La.
Ill. Corr. Metal Co. (Corr.), Springfield, Ill.
Independence Corrugated Culvert Co. (Corrugated), Independence, Ia.
Iowa Pure Iron Culvert Co., Des Moines, Ia.
Kelly Fdry. & Mach. Co. (Galv. Iron), Goshen, Ind.
Klauer Mfg. Co. (Corr. Galv.), Dubuque, Ia.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Lyle Culvert & Road Equip. Co., 171 27th av, South East, Minneapolis, Minn.
Madewell Pipe & Culvert Works ("Madewell"), E 12th & 25th av, Oakland, Cal.
Martin Metal Mfg. Co (Corr.), Wichita, Kan.
Maryland Culvert & Metal Co. ("Armco" Sheet Metal), Munsey bldg., Baltimore, Mich.
Metal Engineering Co. (Smooth Bottom), Danville, Pa.
Metal Post & Culvert Co., Niles, O.
Michigan Bridge & Pipe Co. (Corr), Lansing, Mich.
Midland Metal Mfg. Co., Ottumwa, Ia.
Minnesota Pipe & Tile Co., Mankato Minn.
Mobile Steel Co., Mobile, Ala.
Montana Culvert & Flume Co. (Corr.), Missoula, Mont.
National Corrugated Culvert Mfg. Co. (Corrugated Metal), Warren, Pa.
Neb. Culv. & Mfg. Co. (Corr.), Wahoo. Neb.
New Eng. Metal Culv. Co. (Corr.), Palmer, Mass.
New Orleans Roofing & Metal Co., ("Nola" Galvanized Iron), Cortez & Orleans, New Orleans, La.
Newport Culvert Co. (Corrugated Metal), Newport, Ky.
Newport Rolling Mill Co. (Corr.), Newport, Ky.
N. Dak. Metal Culv. Co. (Corr.), Fargo, N. D.
Northeast Metal Culv. Co. (Corr.), Nashua, N. H.
Northfield Iron Co. (Plain Bottom Corr.), Northfield, Minn.
Northwestern Sheet & Iron Wks., Wahpeton, N. D.
Ohio Corr. Culv. Co. (Corr), Middletown, O.
O'Neal William Q. Co. (Corr.), Crawfordsville, Ind.
PENN METAL CO (Corrugated Smooth Bottom, Flat Bottom, & All Round Corrugated One & Two Piece), 65A Franklin, Boston, Mass.
Penna. Metal Culv. Co. (Corr.), Warren, Pa.
Perfection Metal Products Co. (Corr.), Topeka, Kan.
Pidgeon-Thomas Iron Co. (Galv. Iron), Memphis, Tenn.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Platte Valley Cement Tile Mfg. Co. (Tile), Fremont, Neb.
Princeton Sheet Metal Co. (Corr.), Princeton, Ind.
Red Oak Bridge & Iron Works, Red Oak, Iowa
Reeves Mfg. Co., Dover, O.
Road Sup. & Metal Co. (Corr.), Topeka, Kan.
Russell Grader Mfg. Co. (Corrugated), 2005 Univ. av, S E, Minneapolis, Minn.
Sioux Falls Metal Culv. Co. (Corr.), Sioux Falls, S. D.
Spokane Culv. & Tank Co., Spokane, Wash.
Tenn. Metal Culv. Co., Central blvd (Corr.), Nashville, Tenn.
Texas Tank & Culvert Co., Fort Worth, Tex.
Utah Corrugated Culv. & Flume Co. (Corr.), Woods Cross, Utah
Western Metal Mfg. Co. (Corr.), El Paso, Tex.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Western Steel Products Co. (Sectional & Piece), New Duluth, Minn.
Wheeling Corrugating Co., Wheeling, W. Va.
Wisconsin Culv. Co. (Corr.), Madison, Wis.
Youngstown Sheet & Tube Co., Youngstown, Ohio

3483a—Culverts (Segment Block)

Chattanooga Sewer Pipe Works, W. 11th and Cross, Chattanooga, Tenn.
Dickey, W. S. Clay Mfg. Co., Kansas City, Mo.
Macomb Sewer Pipe Works, Macomb, Ill.
San Antonio Sewer Pipe Works, San Antonio, Tex.

3483b—Culverts (Vitrified Clay Pipe)

Chattanooga Sewer Pipe Works, W. 11th and Cross, Chattanooga, Tenn.
Columbus Sewer Pipe Co., Columbus, Ga.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Macomb Sewer Pipe Works, Macomb, Ill.
Macon Sewer Pipe Works, Macon, Ga.
Mexican Clay Mfg. Co., Mexico City, Mo.
Ogden Sewer Pipe & Clay Co., Ogden, Utah
San Antonio Sewer Pipe Works, San Antonio, Tex.
Southern Sewer Pipe Works, Birmingham, Ala.
Standard Sewer Pipe Works, Rome, Ga.
Texarkana Pipe Works, Texarkana, Texas

3483c— Cumarin

Barrett Co. (Panacoumarche), 17 Battery pl, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

3484— Cupboards (Steel)

Breese Bros. Co., The, 2349 Reading road, Cincinnati, O.
See adv index at end of book
GENERAL FIREPROOFING CO. (THE), 2308 Logan av, Youngstown, O.
See adv index at end of book
Terrell's Equipment Co., Grand Rapids Mich.
VAN DORN IRON WORKS CO. (THE), 2700 E 79th, Cleveland, Ohio
See adv index at end of book

3485— Cupels

Braun-Knecht-Heimann Co. (Calmix), 57e-584 Mission, San Francisco, Cal.
Denver Fire Clay Co. ("Casite"), Denver, Colo.
Dixon Joseph Crucible Co., Jersey City, N. J.

3486—Cupola Linings or Blocks

Ashland Fire Brick Co., Ashland, Ky.
Berry Jas. E., Woodbridge, N. J.
Bickford Fire Brick Co., Curwensville, Pa.
Big Savage Fire Brick Co., Frostburg, Md.
Brighton Fire Brick Co., New Brighton, Pa.
Brooklyn Fire Brick Works, 88 Van Dyke, Brooklyn, N. Y.
Chambers A. Reeder, Trenton, N. J.
Chicago Fire Brick Co., 133 W. Washington, Chicago, Ill.
Chicago Retort & Fire Brick Co., Ottawa, Ill.
Climax Fire Brick Co. ("Climax"), Climax, Clawn Co., Pa.
Columbia Fire Brick Co., 1st Nat'l Bank bldg., Canton, O.
Cooper Jno., 111 Clay, Brooklyn, N. Y.
Denny-Renton Clay & Coal Co., Seattle, Wash.
Denver Fire Clay Co., Denver, Colo.
Diamond Fire Brick Co., Canon City, Colo.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.

Edge Hill Silica Rock Co. (Mica Schist Fire Stone), New Brunswick, N. J.
Evens & Howard Fire Brick Co., 920 Market, St. Louis, Mo.
Federal Clay Product Co., Mineral City, O.
Fiske & Co., 115 Federal, Boston, Mass.
Garden City Sand Co., Chamber of Comm. bldg, Chicago, Ill.
Garfield Fire Clay Co., Robinson, Pa.
Gautier J. H. & Co., 1 Greene, Jersey City, N. J.
Harbison-Walker Refractories Co., Farmers' Bank bldg, Pittsburgh, Pa.
Howard Co., New Haven, Conn.
Kier Fire Brick Co. (The), 2241 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book
Laclede-Christy Clay Products Co., Railway Exch bldg., St. Louis, Mo.
Livermore Fire Brick Wks., 604 Mission, San Francisco, Cal.
McLeod & Henry Co., 360 1st, Troy, N. Y.
Maurer Henry & Son, 420 E 23rd, New York *See adv index at end of book*
Missouri Fire Brick Co., Security bldg, St. Louis, Mo.
Moulding Thos. Brick Co., 133 W. Washington, Chicago, Ill.
Mutton Hollow Fire Brick Co., Woodbridge, N. J.
Ohio Fire Brick Co., Oak Hill, O.
Ostrander Fire Brick Co., Troy, N. Y.
Parker-Russell Mining & Mfg. Co., 3300 Mayanford road, St. Louis, Mo.
PORTSMOUTH REFRACTORIES CO., THE, Portsmouth, Ohio
See adv index at end of book
Presbrey Stove Lining Co., Taunton, Mass.
Remmey Richard C. Son Co., Hedley & Del, Phila, Pa.
St. Louis Vitrified & Fire Brick Co., Wainwright bldg, St. Louis, Mo.
Sneyd Enameled Brick Co., Trenton, N. J.
Standard Fire Brick Co., Pueblo, Colo.
Thomas, Buckwater & Co., Royersford, Pa.
Valentine M. D. & Bro. Co., Woodbridge, N. J.
Vitrefrax Co., Inc. ("Vitrefrax"), 51st & Pacific blvd, Los Angeles, Cal.
Wagner Fire Brick Co., Scranton, Pa.
Walsh Fire Clay Products Co., 4070 N Main, St. Louis, Mo.
Washington Brick, Lime & Sewer Pipe Co. ("Waco"), Spokane, Wash.
West Virginia Fire Clay Mfg. Co., Diamond Bank bldg, Pittsburg, Pa.
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.
Woodison E. J. Co. ("Woodison"), 7415H St Aubin, Detroit, Mich.

3487— Cupolas (Barn)

Badger Steel Roofing & Corrugating Co., La Crosse, Wis.
Heine Jno. F. & Son, Hooper, Neb.
Hudson Mfg. Co., 324 3d av N, Minneapolis, Minn.
King Ventilating Co., Owatonna, Minn.
Klauer Mfg. Co., Dubuque, Ia.
La Crosse Steel Roofing & Corrugating Co., La Crosse, Wis.
Litchy B. F. & Sons ("Monitor"), Waterloo, Ia.
Shrauger & Johnson Co. ("Chief," All-Steel), Atlantic, Ia.

3488-9-90—Cupolas (Foundry)

Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill
Barry & Zecher Co. ("Zecher"), Lancaster, Pa.
Central Foundry Supply Co. ("Callian"), P. O. Box 945, Columbus, O.
Connelly D. Boiler Co., Ivanhoe rd & N. Y. & St. L. R. R. Cleveland, O.
Connery & Co., Inc., 4000 2nd, Phila., Pa.
See adv index at end of book
Detroit Foundry Co. ("Crandall"), E Grand blvd & Rupelle, Detroit, Mich.
Hibbs E. A., Quarry & Bread, Phila., Pa.
McCormick J. S. Co., 25th & A. V. R. R., Pittsburgh, Pa.
Meehan Boiler & Construction Co., Lowellville O.
Mohr John & Sons, 96th & Calumet, River, Chicago, Ill.
Northern Engineering Works ("Newten"), 9 Chene, Detroit, Mich.
Paxson J W. Co. ("Paxon-Collian"), Dept H Nicetown lane & D, Philadelphia, Pa.
Rockwell W. S. Co., 50 Church, New York
See adv index at end of book
Seeger Machine Tool Co. (Also Equipment), 34 S Forsyth, Atlanta, Ga.
Sly W. Mfg. Co., 4720 Train av, Cleveland, Ohio
Sotter Bros., Pottstown, Pa.
Stewart Boiler Works, Albany, Worcester, Mass.
Whiting Corp., Dept. H, Harvey, Ill.
Whiting Foundry Equipment Co. (Also Portable), 157th & Halstead, Chicago, Ill.

3491— Cupro-Vanadium

Vanadium Corp. of Am., 120 Broadway, **New York.**

Cups (Aluminum)

See Cups, Drinking, Collapsible

3492— Cups (Automobile)

Bossert Corp. (The) (Clutch Coil), cor. Linden & West av, Utica, N. Y.
Perry-Fay Mfg. Co., Elyria, O.
U. S. Automatic Co., Amherst, O.
Zeigler Mfg. Co., Alexandria, Ind.

3493— Cups (Ball)

Bossert Corporation, The, (Hardened), cor. Linden & West av, Utica, N. Y.
Boston Pressed Metal Co. (To Order for Lawn Mowers, Sewing Machines, Roller Skates, Bicycles, Motor Cycles, etc), 171 Union, Worcester, Mass.
Matthews Mfg. Co., 104 Gold, Worcester, Mass.
Zeigler Mfg Co., Alexandria, Ind.

3494—Cups (Bubbling, for Drinking Fountains)

Century Brass Wks., Inc., 900 N Illinois, Belleville, Ill.
Haws Sanitary Faucet Co., 1808 Harmon, Berkeley, Cal.
Individual Drinking Cup Co., Inc., Easton, Pa.
Watrous Co. ("Watrous"), 410 N. Michigan blvd, Chicago, Ill.

Cups (Carbon)

See Carbon Mfrs.

3494a— Cups (Caster)

Rodefer Glass Co., Bellaire, Ohio
Sneath Glass Co., Hartford City, Ind.

3494b— *Cups (Color)

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

3495—Cups (Drinking, Collapsible, Etc.)

Aluminum Container Corp., Fulton, N. Y.
Aluminum Goods Mfg. Co. (Aluminum), Manitowoc, Wis.
Aluminum Specialty Co., Manitowoc, Wis.
American Thermos Bottle Co. ("Thermocups"), Norwich, Conn.
Beehler Steel Products Co. (Aluminum), 1449 N 13th, St. Louis, Mo.
See adv index at end of book
Cassady, Fairbank Mfg. Co. (Aluminum), 6126 S La Salle, Chicago, Ill.
Fargo E. A. Corp. (Aluminum), Taunton, Mass.
Great Northern Mfg. Co., 546 Lake Shore Drive, Chicago, Il.
Scovill Mfg. Co., Waterbury, Conn.
See adv index at end of book
Standard Aluminum Co. (Aluminum), Two Rivers, Wis.
UNION PAPER & TWINE CO., 128 St. Clair av n w, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book
Wilson Wyle T. (Paper), Oriana and Cumberland, Pittsburgh, Pa.

Cups (Drinking, Paper)

See Cups, Paper

3496— Cups (Elevator)

See also Buckets, Elevator & Conveying
Breese Bros. Co., The, 2349 Reading road, Cincinnati, O.
See adv index at end of book
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
Howe Chain Co., Dept H, Muskegon, Mich.
LINK-BELT COMPANY, 300 W. Pershing rd, Chicago, Ill.
See adv index at end of book
Michigan Leather Packing Co., Inc. (Packing), 618-620 St. Antoine st, Detroit, Mich.
See adv index at end of book
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

3497—Cups (Force, Rubber)

Anderson Rubber Works, Anderson, Ind.
Beereis & Bossich Co. (Div. of the Bossich Co.), Bridgeport, Conn.
Cigol-Behrens Rubber Co., Lodi, N. J.
Coleman Allan J. ("Improved"), 208 N. Wabash av, Chicago, Ill.
Combination Rubber Mfg. Co., Bloomfield, N. J.
Continental Rubber Works, Erie, Pa.
Empire Tire & Rubber Corp., Trenton, N. J.
Goodyear Tire & Rubber Co., Inc. ("Good Year"), 1144 E Market, Akron, Ohio
Hodgman Rubber Co., 25 W. 43rd, New York
National India Rubber Co., Bristol, R. I.
Norwalk Mfg. Co., E. Norwalk, Conn.
Pennsylvania Rubber Co., Jeannette, Pa.
Quabaug Rubber Co., North Brookfield, Mass.
Quaker City Rubber Co. ("All-In-One"), 672 Market, Philadelphia, Pa.
See adv index at end of book
Rubber & Celluloid Products Co., Newark, N. J.
Schacht Rubber Mfg. Co. ("Daisy"), Huntington, Ind.
U. S. RUBBER CO. ("U. S. Giant," "U. S. Matchless," "Reliance," "Revero," "Usco"), 1790 Broadway, New York
See adv index at end of book

3497a—Cups (Grease Automobile)

Am. Stamping Co. ("American" Steel, Brass, Plain & Ratchet), Battle Creek, Mich.
Bassick Co. ("Bassick"), 88 Austin, Bridgeport, Conn.
Bowen Products Corp., Divs. Auburn, N. Y.; Detroit, Mich.; Cleveland, Ohio; Minneapolis, Minn., and Windsor, Ont., Can.
See adv index at end of book
Chandler Boyd Supply Co. ("Philadelphia" Dirs.), 47 Terminal, Pittsburgh, Pa.
HUNTER PRESSED STEEL CO. ("Hunter," "Airspring," "Shurflo," "Rotary"), 200 Pierce, Lansdale, Pa.
See adv index at end of book
Ironsides Co., Dept. H, Columbus, Ohio
Keystone Lubricating Co., 21st and Clearfield, Philadelphia, Pa.
Lunkenheimer Co. ("Owl," "Guard," "Securo," "Primo" & "Wingo"), Beekman & Waverly, Cincinnati, Ohio
See adv index at end of book
Michigan Lubricator Co., 3643H Beaubien, Detroit, Mich.
Wilkinson W. H. Co. Inc., West Medway, Mass.

Cups (Hand, Rubber)

See Cups, Force, Rubber

3498— Cups (Leather)

See also Gaskets, Rubber
American Washer Works, 91 Wallabout, Brooklyn, N. Y.
Auer C. A., Corry, Pa.
BARWOOD L. J. MFG. CO. ("Barwood"), Stoneham, 80 Boston, Mass.
See adv index at end of book
BARWOOD V. H. MFG. CO. ("Barco"), Lynn, Mass.
See adv index at end of book
CHICAGO BELTING CO., 110 N. Green, Chicago, Ill.
See adv index at end of book
Chicago Hand Leather Co., 326 River st, Chicago, Ill.
CHICAGO RAWHIDE MFG. CO., THE, 1307 Elston av, Chicago
See adv index at end of book
Darcoid Company, 1780 Broadway, New York *See adv index at end of book*
Detroit Leather Specialty Co. ("Wear Well"), 275 Beecher av, Detroit, Mich.
Etsweiler William, 335 Green, Phila., Pa.
Graton & Knight Mfg. Co. (Packing), 356 Franklin, Worcester, Mass.
See adv index at end of book
Houghton E. F. & Co. ("Vim," Hydraulic, etc), 240 Somerset, Phila., Pa.
Judd & Leland Mfg. Co., Clifton Springs, N. Y.
Los Angeles Pump & Supply Co., 500 E 11th, Los Angeles, Cal.
MARSH CHAS. W. CO., Muskegon, Mich.
Marston I. G. & Co., 226 Ruggles, Boston, **Mass.**
Michigan Leather Packing Co., Inc. (Packings, Washers, etc.), 618-620 St. Antoine, Detroit, Mich.
See adv index at end of book
Page Belting Co., Concord, N. H.
Schieren Chas. A. Co., 30 Ferry, New York
Western Packing & Supply Co. ("W. P. S."), 233 N. Wells, Chicago, Ill.
See adv index at end of book

W. P. S.
HIGH GRADE LEATHER CUPS
for all conditions
Made from
SELECTED LEATHER AND
SPECIALLY TREATED
WESTERN PACKING & SUPPLY CO.
233 No. Wells St. Chicago, Ill.

3498a— Cups (Match)

Bogert & Hopper Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons (Wood), 364 5th av, New York *See adv index at end of book*

3499— Cups (Measuring)

Bogert & Hopper Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Cassady Fairbank Mfg. Co. (Aluminum), 6126 S La Salle, Chicago, Ill.
Chapman Co. ("Chapman"), Geneva, New York
Estes E. B. & Sons (Wood), 364 5th av, New York. *See adv index at end of book*
Fargo E. A. Corp. (Aluminum), Taunton, Mass.
Lalance & Grosjean Mfg. Co. (Enameled Iron, Tin, etc), 299 B'way, New York
Sneath Glass Co. (Glass), Hartford City, Ind.

3499a— Cups (Oil)

See also Lubricators, Oil & Grease Cup

Allen W. D. Mfg. Co. ("Pease"), 201-211 N. Jefferson st, Chicago, Ill.
See adv index at end of book

American Injector Co., 1469 14th av, Detroit, Mich.

Am. Safety Lamp & Mine Supply Co., 1327 Capouse av, Scranton, Pa.

BOWEN PRODUCTS CORP., Divs. Auburn, N. Y.; Detroit, Mich.; Cleveland, Ohio; Minneapolis, Minn., and Windsor, Ont., Can.
See adv index at end of book

Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book

Detroit Lubricator Co. ("Detroit" Genuine Detroit"), 5938 Trumbull, Detroit, Mich.

Hunter Pressed Steel Co. ("Shurflo," "Rotary"), 200 Pierce, Lansdale, Pa.
See adv index at end of book

SHURFLO WICK FEED OIL CUPS

Automatic lubrication for the largest bearing to the smallest shaft. BOOKLET FREE.

Hunter Pressed Steel Co.

200 Pierce Street LANSDALE, PA.

JUSTRITE MFG. CO. ("Justrite"), 2051 Southport av, Chicago, Ill.

Kay Chas. ("Kay"), 5073 Burns av, Detroit, Mich.

Larkin J. K. & Co., 253 B'way, New York
See adv index at end of book

MANNING MAXWELL & MOORE, INC. (Malleable Iron) (Hancock Inspirator Co. Div.), 100 E 42nd, New York
See adv index at end of book

Michigan Lubricator Co. (Glass Body), 3643 Beaubien, Detroit, Mich.

Precision Metal Workers ("Precision"), 3100 Carroll av, Chicago, Ill.

3500— Cups (Paper)

American Blank Book Mfg. Co. (Drinking Everlasting), 150 Lafayette, New York

American Lace Paper Co., 908 Chestnut, Milwaukee, Wis.

American Paper Goods Co., Kensington, Conn.

Baum Bros. Co., Denver, Colo.

Brown Bag Filling Machine Co. (Flat, Drinking), Fitchburg, Mass.

Burnitol Mfg. Co., Orient av, Everett, sta, Boston, Mass.

CUTTER-TOWER CO. INC., 405H Lexington av, New York

Dennison Mfg. Co., So. Framingham, Mass.

Gair Robert Co., 350H Madison av, New York

INDIVIDUAL DRINKING CUP CO., INC. ("Dixie" Drinking Cups), Easton, Pa.

John Mfg. Co. (Glasses), Springfield, O.

Kimpton Ed. Co., 18 Cliff, New York.

Kuhmarker Mfg. Co., 149 W. 24th, New York

Lackner John Co., 308H 7th av, Long Island City, N. Y.

Lily Cup Co., 25 Fulton, New York

Mansell-Hunt-Catty & Co., 22 Reade, New York

Milwaukee Lace Paper Co., 052 Lee av, Milwauke, Wis.

Nelson L. H. Co., 443 Congress, Portland, Me.

Public Service Cup Co. ("Lily Cup"), 167 41st, Brooklyn, N. Y.

Purity Specialties Co., Denckla bldg, Phila., Pa.

Royal Paper Products Co. ("Royal"), 20 Bond, New York

Sanitary Products Co., 2710 Lefevre, Philadelphia, Pa.

Sayford Paper Specialty Co., Vineland, N. J.

Spangler E. J. Co., 1237 N Howard, Phila., Pa.

Standard Envelope Co. ("Victor"), 92 Bleecker, New York

Stone & Forsyth Co. (Drinking & Sputum Cups), 67 Kingston, Boston, Mass.

Vestal Chemical Co. ("National"), (Flat, Dirs.), 1128 Pine, St. Louis, Mo.

Vortex Mfg. Co. ("Vortex"), 421 N. Western av, Chicago, Ill.

Wilson Wylie T. (Collapsible), Oriana and Cumberland, Philadelphia, Pa.

Wolf Bros. ("Standard"), 330 N 12th, Phila., Pa.

3501—Cups (Plumbers' Soil)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.

Johnson Wm. (Hedenberg Works), Newark, N. J.

Knapp Mfg. & Supply Co., 241 Water, New York

Stortz Jno. & Son, 210 Vine, Phila., Pa.

3502— Cups (Porous)

Maddock John & Sons, Trenton, N. J.

Ohio Pottery Co. (Medium Hard Burned Clay), Zanesville, O.

Robinson Clay Product Co., Akron, O.

3503— Cups (Priming)

Allen W. D. Mfg. Co., 201-211 N. Jefferson st, Chicago, Ill.
See adv index at end of book

American Injector Co., 1469 14th av, Detroit, Mich.

American Lubricator Co., Summit & Wabash Ry, Detroit, Mich.

BOWEN PRODUCTS CORP., Divs. Auburn, N. Y.; Detroit, Mich.; Cleveland, O.; Minneapolis, Minn., & Windsor, Ont., Can. *See adv index at end of book*

Detroit Brass & Malleable Works (Gasoline), 1117 Holden, Detroit, Mich.

Detroit Lubricator Co. ("Detroit" "Genuine Detroit"), 5938 Trumbull, Detroit, Mich.

Dole Valve Co., 1923 Carroll, Chicago, Ill.

Edelmann E. & Co., 2332 Logan blvd, Chicago, Ill.

Hancock Mfg. Co., Charlotte, Mich.

Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York

Imperial Brass Mfg. Co. (For Automobile & Motor Boat), 1200 W Harrison, Chicago, Ill.

Lincoln Brass Works ("Lincoln"), 2067-12, Detroit, Mich.

LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*

McRae & Roberts Co., 100 S Campbell av, Detroit, Mich.

Michigan Lubricator Co., 3643 Beaubien, Detroit, Mich.

Michigan Motor Specialties Co. ("Becco"), 26 Dubois, Detroit, Mich.

Morgan Mfg. Co., Inc., Keene, N. H.

National Brass Mfg. Co., Rochester, N. Y.

Powell Wm. Co., 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book

Roberts Brass Mfg. Co., 5435 W. Fort, Detroit, Mich.

Standard Brass Works, 97 Wight, Detroit, Mich.

Sterling & Skinner Mfg. Co., 2672 E Grand blvd, Detroit, Mich.

Swenson B. A., 522 Broad, Providence, R. I.

Taylor Machine Co. ("Kant-Klog"), 1921 E 61st, Cleveland, O.

Williams D. T. Valve Co., Cincinnati, O.

3503a— Cups (Spit)

Estes E. B. & Sons (Wooden), 364 5th av, New York *See adv index at end of book*

3503b—Cups (Sputum, Porcelain & Metal)

Baum Bros. Co. (Sanitary), 1446 Glenarm, Denver, Colo.

3504— Cups (Turpentine)

American Sheet Metal Works, 3427H S Carrollton, New Orleans, La.

Florida Metal Products Co. (also Strips and Aprons), Jacksonville, Fla.

Herty Turpentine Cup Co., Jacksonville, Fla.

Krager Turpentine Cup Co., Daisy, Tenn.

Lerio Patent Cup Co., Mobile, Ala.

Mobile Steel Co. (also Aprons), Mobile, Ala.

Pringle Turpentine Cup Co., Biloxi, Miss.

3505— *Cups (Wiper)

LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*

3506— Cups (Wooden)

BOGERT & HOPPER INC. (Caster, Dice, Pen and Quassia, etc.), 57 Barclay, New York *See adv index at end of book*

ESTES E. B. & SONS (Caster, Dice, Pin, Quassia, etc), 364 5th av, New York
See adv index at end of book

Stiles H. A. & Co. (Castor & Pin), 166-174 Portland, Boston, Mass.
See adv index at end of book

3507— Curbing (Vitrified)

American Sewer Pipe Co., Akron, O.

3508— Curbing (Well)

Bates E. E. & J. H. ("Bates," "Excelsior"), Arlington, Providence, R. I.

Coast Culvert & Flume Co., Dept. H, California blvd & Derbey, Portland, Ore.

Harry O. K. Steel Works (Corrugated Steel), Dallas, Tex.

3509— Curbs (Valve)

American District Steam Co. (Cast Iron for Steam Underground Work), North Tonawanda, N. Y.

Central Station Steam Co. (Manhole), 2910 E. Woodbridge, Detroit, Mich.

3510— Currycombs

Bailey C. J. & Co. ("Black Beauty," Rubber), 88 Broad, Boston, Mass.

Decker Mfg. Co. ("Arc Spring"), Keokuk, Ia.

Hills Edwin, Plainville, Conn.

Jackes-Evans Mfg. Co., Main & Tyler, St. Louis, Mo.

Kohler F. E. Co. ("Kohler," All Steel or Brass, "Magic," "Humane"), Canton, O.

National India Rubber Co. (Rubber), Bristol, R. I.

New York Stamping Co. ("Eclipse," "Reform"), N 11th & Berry, Brooklyn, N. Y.

Niagara Falls Metal Stamping Works ("Niagara" & "Ideal"), Niagara Falls, N. Y.

North & Judd Mfg. Co. Co., Dept. H, New Haven, Conn.

Union Furnace Mfg. Co., Union Furnace, Pa.

Weber & Kirch Mfg. Co. ("Winner," "Alston's" Spring Handle), Keokuk, Ia.

Whirrett Bros., Delphos, O.

Wisconsin Metal Products Co. ("Advance," "Perfect," "Hunter," "Toothless"), Racine, Wis.

3510a—Curtain Carrying Devices (For Theatre, Etc.)

Flagg Edwin H. Studios (Also Hoists), 1638 Long Beach av, Los Angeles, Cal.

McCabe Hanger Mfg. Co., 426-8 W. 25th, New York

Martin J. D. Scenic Co. ("Martin Circular Slate), 545 S. Los Angeles, Los Angeles, Cal.

Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book

Curtains (Car)

See Car Curtains & Materials

3511—Curtains (Locomotive Cab)

Atlanta Tent & Awning Co., Atlanta, Ga.

Curtain Supply Co., 350 W. Ontario, Chicago, Ill.

Hettrick Mfg. Co., Toledo, O.

Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*

3512—Curtains (Rubber Bath)

Hodgman Rubber Co., 25 W. 43rd, New York

Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*

Kleinert I. B. Rubber Co., 485 5th av, New York

3512a—Curtains (Shower Bath)

Hettrick Mfg. Co., Toledo, O.

Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*

Western Hammock Co., 1222 Santa Fe av, Los Angeles, Cal.

Curtains (Steel Rolling)

See Shutters, Steel Rolling

3513—Cushions, Mattresses and Pillows (Air)

Athol Mfg. Co., Athol, Mass.

Atlantic Pacific Mfg. Co. ("Perfection"), 129 Atlantic av, Brooklyn, N. Y.

Davol Rubber Co., 69 Point, Providence, R. I.

Faultless Rubber Co. (Operating, etc), Ashland, O.

Goodrich B. F. Rubber Co., Akron, O.

Mechanical Fabric Co., 40 Sprague, Providence, R. I.

Parker-Stearns & Co. (Invalid Operating, etc), 286 Sheffield av, Brooklyn, N. Y.

Tyer Rubber Co., Andover, Mass.

3514—Cushions (Billiard & Pool Table)

Boston Belting Corp., 84 Linden Park, Boston, Mass.

Cigol-Behrens Rubber Co., Lodi, N. J.

Combination Rubber Mfg. Co., Bloomfield, N. J.

Goodrich B. F. Co., Akron, O.

Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*

Manhattan Rubber Mfg. Co., Passaic, N. J.

Revere Rubber Co., Chelsea, Mass.

3515— Cushions (Boat, Etc.)

Fogg M. W., 202 Front, New York

Hettrick Mfg. Co., Toledo, O.

Hodgman Rubber Co., 25 W. 43rd, New York

Laughlin, Thos. Co. (Life Preserver), 135 Fore, Portland, Me.
See adv index at end of book

Metropolitan Air Goods Co., Athol, Mass.

Pneumatic Mfg. Co. ("Peerless," "Butler"), 123 Pacific, Brooklyn, N. Y.

Robinson-Roders Co. ("Ilanaisilk" Cushions, Safety Pillows, Life Preservers & Safety Mattresses for Boats), 27 N. J. R. R. av, Newark, N. J.

3516—Cushions (Canvas, Outing)

Buckeye Tent & Awning Mfg. Co., 264 Spruce, Columbus, O.

Carpenter Geo. B. & Co., 440 N Wells, Chicago, Ill.

Hettrick Mfg. Co., Toledo, O.

Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*

Wyandotte Awning & Tent Co., Kansas City, Kans.

3516a— Cushions (Chair)

Fox Geo. E. Co., 319 W. Ohio, Chicago, Ill.
Ostermoor & Co., 116 Elizabeth, New York
Thurston Manual Training Supply Co., Anoka, Minn.

3517—Cushions (Engine & Caboose)

Atlanta Tent & Awning Co., Atlanta, Ga.
Cincinnati Cushion Co., 116 Opera pl, Cincinnati, O.
Curtain Supply Co., 350 W. Ontario, Chicago, Ill.
Fort Pitt Bedding Co., Dept. H, Liverpool & Preble av, Pittsburgh, Pa.

3518— Cushions (Heel)

See also Heels, Rubber

Essex Rubber Co. ("Soft Spots"), Trenton, N. J.
Foster Rubber Co. ("Tread-air," "Foster"), 105 Federal, Boston, Mass.
Gilbert E. T. Mfg. Co., Rochester, N. Y.

3518a—*Cushions (Pin—Jewel Box Combined)

DU PONT E. I. DE NEMOURS & CO. INC., Pyralin Div. ("Pyralin," see adv. at Celluloid), Arlington, N. J.
See adv index at end of book

3519—Cushions (Telephone Receiver)

Davol Rubber Co. (Pneumatic), 69 Point Providence, R. I.
Miller Rubber Co. (Pneumatic), Akron, O.

3520— Cuspidors

Aldrich Mfg. Co. (Brass), 57 Illinois, Buffalo, N. Y.
American Metal Ware Co. (Brass), 368 W Huron, Chicago, Ill.
Aluminum Ware Mfg. Co., Inc., Elmira, N. Y.
Arcade Mfg. Co. ("Arcade," Brass Cast), Freeport, Ill.
Buckeye Aluminum Co. ("Real Solid" Aluminum), Wooster, O.
Buffalo Mfg. Co. (Brass, etc.), 1354 West av, Buffalo, N. Y.
Burnitol Mfg. Co. (Paper), Orient av, Everett sta, Boston, Mass.
Cartwright Bros. Co. (White, Earthenware), E Liverpool, O.
Central Specialty Mfg. Co., 404 S. Kalmar, Chicago, Ill.
Central Stamping Co. (Polished & Nickel Plated Brass Self-Righting, etc.), 206 B'way, New York
Cheney S. & Son (Cast Iron), Manlius, N. Y.
Cig-Ash-Ador Co. ("Cig-Ash-Ador"), 960 Mission, San Francisco, Cal.
Clark A. C. & Co. (Brass Fountain Spittoons), 1035 E 76th, Chicago, Ill.
Columbian Enameling & Stamping Co. (Enameled Iron), Terre Haute, Ind.
Cordley & Hayes (Brass & Fibre), 32 Leonard, New York
Dover Stamping & Mfg. Co. (Cast Iron, Porcelain-Lined, Self-Righting; also Tin, Various Colors), Cambridge, Mass.
Excelsior Brass Works, Reading, Pa.
Farber S. W. (Brass & Copper), 147 So 5th, Brooklyn, N. Y.
Fibre Corporation ("Fibrotta" Indurated Fibre), Lockport, N. Y.
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
GEUDER, PAESCHKE & FREY CO. (Steel, Japanned & Enamelled), 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Goodrich B. F. Co. (Rubber), Akron, O.
Gould-Mersereau Co. (Brass), 52 W 38th, New York
Handlan-Buck Mfg. Co. (All Styles), 210 3rd, St. Louis, Mo.
Hews A. H. & Co. (Earthenware), Cambridge, Mass.
Illinois Pure Aluminum Co. (Aluminum), Lemont, Ill.
Indiana Foundry Co. (Cast Iron), Indiana, Pa.
Indiana Hollow Ware Co. (Enameled Cast Iron), Jeffersonville, Ind.
Ireland & Matthews Mfg. Co. (Brass & Nickel. Self-Righting), Beard & Chatfield, Detroit, Mich.
Lalance & Grosjean Mfg. Co. (Enameled), 299 B'way, New York
Lisk Manufacturing Co. (Ltd.) ("Lisk" Enameled), Canandaigua, N. Y.
Manhattan Brass Co. (Brass), 332 E 28th, New York
Manning, Bowman & Co. (Brass, Nickeled, Enamel & Tin), Meriden, Conn.
Marietta Hollow Ware & Enameling Co. (Enameled), Marietta, Pa.
National Enameling & Stamping Co. (Sheet Metal), 411 5th av, New York
National India Rubber Co. (Rubber), Bristol, R. I.
New England Enameling Co. ("Ideal" Enameled Ware), Middletown, Conn.
Peters & Reed Pottery Co. (Terra Cotta Hand Painted), Zanesville, O.
Pick Albert & Co., 212 W Randolph, Chicago, Ill.
Porcelain Enameling Assn. of Amer. ("Polar Brand," Seamless, Porcelain Enameled), Sheboygan, Wis.
Ray Geo. A. Mfg. Co. (Brass & Nickel Plated, Self-Righting, Weighted Bottom, etc.), 1495 Niagara, Buffalo, N. Y.
RITTER DENTAL MFG. CO., INC. (Fountain only), Rochester, N. Y.
Rochester Stamping Co. (Enameled Metal), Rostand Mfg. Co. ("Rostand" Brass, German Silver, Nickel & Bronze), Milford. Conn.
St. Louis Car Co. (Car), 8000 N B'way, St. Louis, Mo.
Schlesinger Leo, & Co. (Metal), 537 Greenwich, New York
South Bend Foundry Co. (Cast Iron, Movable Top), South Bend, Ind.
Stone & Forsyth Co. ("Hygienic" Paper), 67 Kingston, Boston, Mass.
Strong Mfg. Co. (Enameled, Seamless, Flaring & Removable Top), Sebring, O.
Sutterley G. T. & Co., 1720 N 2nd, Phila., Pa.
Sweeney W. H. Mfg. Co. (Nickeled, Brass & Tin & Self-Righting, etc), 30 Main, Brooklyn, N. Y.
Thompson C. C. Pottery Co. (Porcelain), East Liverpool, O.
Vollrath Co. ("Vollrath," Seamless Steel & Cast Iron), Sheboygan, Wis.
Weber Dental Mfg. Co. (Fountain), Canton, O.
Weller Hardware & Foundry Co. (Cast Iron), Horseheads, N. Y.

3521— Cutch

Demarest Chas. H., Inc. (Imp.), 227 Water, New York
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Innis, Speiden & Co., Inc., 46 Cliff, New York
Marden, Orth & Hastings Co. ("Golden" for Tanneries, also Khaki), 136 Liberty, New York
Rice Edward E. & Co. (Imported), 620 Atlantic av, Boston, Mass.
Sergeant E. M. Co., 131 Cedar, New York
Worden Chemical Works(Imp), 4 Cedar, New York

3522— Cutlery Mfrs.

(Names with * also manufacture in Monel Metal)

Acme Shear Co. (Shears, Scissors, etc), 82 Hicks, Bridgeport, Conn.
Aerial Cutlery Mfg. Co., Marinette, Wis.
American Cutlery Co. (Table Cutlery), 764 Mather, Chicago, Ill.
American Silver Co. (Table Cutlery), Bristol, Conn.
Barth L. & Son (Dirs), H Cooper Square, New York
*Beckley Perforating Co., Garwood, N. J.
Bison Mfg. Co. (Razor Strops, Cutlery Specialties), Little Valley, N. Y.
Boker Herman Cutlery & Hdwe. Co., Inc ("Tree Brand"), 101 Duane, New York
Browne W. G. Mfg. Co., Kingston, N. Y.
Buffalo Knife Co., 100 Main, Buffalo, N. Y.
Camillus Cutlery Co., Camillus, N. Y.
Canton Cutlery Co. ("C. C. Co." Pocket Knives, High Grade, Transparent Handle Pocket Knives, Razors, Shoe Buttoners, Ink Erasers, etc.), 1212 5th S. W., Canton, O.
Carrier Cutlery Co., Elmira, N. Y.
Case W. R. & Sons Cutlery Co., Bradford, Pa.
Cattaraugus Cutlery Co. (Pocket Knives, Razors, Shears, etc), Little Valley, N. Y.
Challenge Cutlery Corporation (Pocket Knives & Razors), 58 Seymore, Bridgeport, Conn.
Chatillon Jno. & Sons ("Foster Bros." Kitchen), 85 Cliff, New York
Christy Knife Co. (Bread, Cake, Ham & Kitchen Knives, Druggists' Spatulas & Lemon Slicers), Fremont, O.
Clark Bros. Cutlery Co. (Pocket Cutlery & Shears), 926 Broadway, Kansas City, Mo.
Clauberg F. A. & Co. (Table), 27 Park pl, New York
Clauss Shear Co., Fremont, O.
Clayton Mfg. Co., Bristol, Conn
Clement Mfg. Co. (Table), Northampton, Mass.
*Cleveland Wire Cloth Co., Cleveland, O.
Clyde Cutlery Co. (Butcher, Bread & Kitchen Knives, etc), Clyde, O.
Crescent Mfg. Co., Fremont, O.
Cronk & Carrier Mfg. Co. (Pocket Knives Only), 153 Lake, Elmira, N. Y.
Divine Dwight & Son (Pocket & Fine Pen Knives), (Trade Mark, "Ulster Knife Co." & "Ellenville Knife Co."), Ellenville, N. Y.
Empire Knife Co. (The) (Pocket Cutlery), Winsted, Conn.
Enderes Inc., Albert Lea, Minn.
Foster Bros. & Chatillon Co. (Pocket, Kitchen & Butchers' Cutlery), Fulton, N. Y.
Geneva Cutlery Corp. (Razors, Shears, etc), Geneva, N. Y.
Glogau & Co. (Knives & Scissors of All Kinds), Great Lakes bldg, Chicago, Ill.
Goodell Co. (Carving & Table Cutlery), Antrim, N. H.
Graef & Schmidt ("J. A. Henckle's Twin Brand" Imp.), 107 Chambers, New York
Harrington Cutlery Co. ("Dexter," Butcher, Cheese, Shoe, Bread & Kitchen, etc), Southbridge, Mass.
Hart H. C. Mfg. Co. (Hollow Handle, Knife & Fork, Rolled Steel, Nickel Plated), Union, Conn.
Havell Mfg. Co. (Metal Goods), 284 Washington, Newark, N. J
*Hendrick Mfg. Co., Carbondale, Pa.
Henkel-Clauss Co., Fremont, O.
Herbrand Co., Fremont, O.
Holley Mfg. Co. (Pocket), Lakeville, Conn.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall st, New York. (See insert under Monel Metal)
See adv index at end of book
International Silver Co. (Silver Plated, etc), Meriden, Conn.
*Jelliff Mfg. Corp., C. O., Southport, Conn.
Kahnweiler S. B. & Co. (Imp.), 393 Broadway, New York
Kastor A. & Bros. ("Camillus," "W. H. Morley & Sons"), 109 Duane, New York
Knickerbocker Mfg. Co. (Knives, etc), Belleville, N. J.
Koch F. A. & Co., 524 B'way, New York
Korn Geo. W. Razor Mfg. Co. (Razors, Straps & Hones), Little Valley, N. Y.
Lamson & Goodnow Mfg. Co. (Table Cutlery, Carvers, Butchers', Painters' & Druggists' Knives), Shelburne Falls, Mass.
Landers, Frary & Clark ("Universal" Pearl, Ivory & Celluloid Handle Table Cutlery, Carving Sets, etc), New Britain, Conn.
Lothrop H. A. & Co. ("J. Ames," "J. Sanger"), Sharon, Mass.
*Magosy & Buscher, 232 Canal, New York
Marble Arms & Mfg. Co. (Pocket & Hunting Knives, Pocket Axes, etc), Gladstone, Mich.
Meriden Cutlery Co. (Cheese, Broad, etc), Meriden, Conn.
Miller Bros. Cutlery Co. (Pocket, etc.), Meriden, Conn.
Morris Cutlery Co., Morris, Ill.
*Munning & Co., A. P., Matawan, N. J.
Murphy's Robt Sons Co., Ayer, Mass.
Napanoch Knife Co. (Pocket), Napanoch, N. Y.
New York Knife Co. (Pocket), Knives & Table Cutlery), 225 5th av, New York. Works: Walden, N. Y.
Northampton Cutlery Co. (Table Cutlery), Northampton, Mass.
Northfield Knife Co. (Pocket Cutlery, Shears, etc), Northfield, Conn.
Novelty Cutlery Co. (Pocket Knives, Razors, Folding Scissors, Ink Erasers, Dirk Knives, Letter Openers, Shoe Buttoners, Scalpel Lances, Souvenir Knives, etc), Canton, O.
Ontario Knife Co. (Table, etc), Franklinville, N. Y.
Poughkeepsie Cutlery Works, Inc. (Pocket Knives, Razors, Shears, Manicure & Surgical Instruments), Poughkeepsie, New York
Queen City Cutlery Co. (Stainless), Titusville, Pa.
Remington Arms Co. Inc., 25H Broadway, New York
Republic Metalware Co. ("Savoy"), 100 Alabama, Buffalo, N. Y.
Robeson Cutlery Co. ("Robeson," "Shur Edge," Pocket), 176 Anderson av, Rochester, N. Y.
*Rogers, Lunt & Bowlen, Greenfield, Mass.
Rogers Wm. A. (Ltd.), Northampton, Mass.
Ross Jos. & Co. (Corn, Knives, Ink Erasers, etc), Irvington, N. J.
Ruettgers Ernst Inc., 242-46 Chesnut, Brooklyn, N. Y.
Russell Jno. Cutlery Co. (Carvers, Table Cutlery, etc), Turners Falls, Mass.
Schatt & Morgan Cutlery Co. (Pocket Knives), Titusville, Pa.
Schnefel Bros., 684 S 17th, Newark, N. J.
Schrade Cutlery Co. (Pocket Knives), Walden, N. Y.
SHAPLEIGH HARDWARE CO. (Diamond Edge), 4th & Washington, St. Louis, Mo.
*Shelton Cutlery Co., The, Derby, Conn.
Shelton, Tool & Machine Co. (Electro Silver Plated Table Cutlery), Shelton, Conn.
*Sholes, Inc., 186 Lafayette, New York
Silberstein A. J., 600 W 157th st, New York
*Smith & Co., John P., New Haven, Conn.
Sperry & Alexander Co. ("Centaur," Pocket Knives, etc, Also Importers), 79 Chambers, New York
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
Thomaston Knife Co. (Pocket Knives), Thomaston, Conn
*Towle Mfg. Co., 19 Maiden Lane, New York
Tuck Mfg. Co. (Shoe & Banana Knives, etc), Brockton, Mass.
*Tyler Co., W. S., Cleveland, O.
Ulery N. J. Co. (Scissors, Shears, Pocket Knives, Razors, Tool Kits & Manicure Goods), 258 B'way, New York
Union Cutlery Co. (Razors, Pocket Knives, etc), Olean, N. Y.
United States Cutlery Co., Fremont, O.

(Continued on following page)

Cutlery Mfrs.—Continued

Valley Forge Cutlery Co. (Pocket Knives), 101 Duane, New York
Walden Knife Co. (Press-Button Pocket Knives), Walden, N. Y.
Wallace R. & Sons Mfg. Co. (Silver Plated Table Cutlery, etc), Wallingford, Conn.
Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.
*Watson Co., Attleboro, Mass.
WELLS CORPORATION (THE) ("Nichols Bros"'), 15 Arch, Greenfield, Mass.
See adv index at end of book
Western States Cutlery & Mfg. Co., Boulder, Colo.
White Ira F. & Son Co., Bloomfield, N. J.
*Whiting Mfg. Co., Bridgeport, Conn.
Williams Bros. Mfg. Co. (Silver Plated Table Cutlery, etc), Glastonbury, Conn.
Winchester Repeating Arms Co. (Stainless Steel), 275 Winchester, New Haven, Conn.
Winchester-Simmons Co. ("Keen Kutter"), 9th & Spruce, St. Louis, Mo.
Wiss J. & Sons Co. (Shears, Scissors, Razors, etc), 31 Littleton av, Newark, N. J.
Witte, Alexis Cutlery Co. (Razors & Scissors), 36 Erasmus, Brooklyn, N. Y.
Woodworth Knife Works, Nunda, N. Y.

3523— Cut-Offs (Rain Water)

Berger Mfg. Co., 1038 Belden N. E., Canton, O.
Conductor Fitting Co. ("Crary's"), Marietta, O.
EDWARDS MFG. CO., 545-565 Egleston av, Cincinnati, O.
See adv index at end of book
Eller Mfg. Co., 1200 Camden S. W., Canton, O.
Klauer Mfg. Co. ("Perfection"), Dubuque, Ia.
Messenger & Parks Mfg. Co., Aurora, Ill.
Milwaukee Corrugating Co., Milwaukee, Wis.
Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, Ohio
See adv index at end of book
Ohio Corrugating Co., Warren, O.
Sullivan-Geiger Co. ("Centennial"), Indianapolis, Ind.
Wheeling Corrugating Co., Wheeling, W. Va.
Young Mfg. Co. ("Young"), Bellevue, Ia.

3523a—*Cutouts (Advertising)

Decalco Litho Co., 615H Newark, Hoboken, N. J.
Regenstein-Veeder Co., 3432 N. Kimball av, Chicago, Ill.

3524— Cut-Outs (Arc Light)

Brady Electric Mfg. Co., New Britain, Conn.
Chicago Fuse Mfg. Co., Lafiin & 15th, Chicago, Ill. *See adv index at end of book*
Cutter Geo. Co. (Automatic Electric), South Bend, Ind.
Lundin Electric & Machine Co., 10 Thatcher, Boston, Mass.
Metropolitan Device Corp, 1250 Atlantic av, Brooklyn, N. Y.
Philadelphia Electrical & Mfg. Co. ("Phila." Absolute), 1236 N 31st, Phila., Pa.
Troy Electrical Co. ("Powers"), Troy, N. Y.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

3525— Cut-Outs (Battery)

Arrow Electric Co. ("Arrow" Electric Plug), Hartford, Conn.
Electric Goods Mfg. Co. (Automatic Sectional), Canton, Mass.
Metropolitan Device Corp, 1250 Atlantic av, Brooklyn, N. Y.
Tiffany Mfg. Co. ("Tiffany"), 50H Spring, Newark, N. J.

3525a— Cut-Outs (Fuse)

Bowie Switch Co., 14 Montgomery, San Francisco, Cal.
CHICAGO FUSE MFG. CO. ("Union"), Lafiin & 15th, Chicago, Ill.
See adv index at end of book
D. & W. Fuse Co., Hathaway, Providence, R. I.
Fralick S. R. & Co. ("Kurkon" Porcelain), 15 S Clinton, Chicago, Ill.
G. & W. Electric Specialty Co. (Primary Series, subway), 7440 S Chicago av, Chicago, Ill.
Hart & Hegeman Mfg. Co., 342 Capital av, Hartford, Conn.
Magnus Electric Co., Inc. ("Magnus"), 451 Greenwich, New York
Manhattan Electrical Supply Co., 17 Park pl, New York
Mesa Fernando C. Co., Dept. H, Coit & Chancellor av, Irvington, N. J.
Multi Electrical Mfg. Co. ("Multi" Cartridge), 1848 W. 14th, Chicago, Ill.
Schweitzer & Conrad Inc., 4431 Ravenswood av, Chicago, Ill.

3526—Cut-Outs (Incandescent)

(Rosettes & Branch Blocks)

Adam Frank Elec. Co., 3650 Windsor, St. Louis, Mo
Barkelew Elec. Mfg.. Co., Middletown, O
Bryant Electric Co., 1421 State Bridgeport, Conn.
C. & P. Elec. Wks., 92 Hayden, Springfield, Mass.
Chicago Fuse Mfg. Co., Lafiin & 15th, Chicago, Ill. *See adv index at end of book*
Connecticut Elec. Mfg. Co., Bridgeport, Conn.
Cutter Geo. Co. (Fuse Blocks), S. Bend Ind.
Dale Lighting Fixture Co., 107 W 13th, New York
Foote, Pierson & Co. (Telephone Storage Battery), 160 Duane, New York
Freeman E. H. Elec. Co., Trenton, N. J
GENERAL ELECTRIC CO. (Arc & Incandescent, Enclosed Fuse), Schenectady, N. Y.
See adv index at end of book
Hart & Hegeman Mfg. Co. ("P. K." "Shaffer" "K. W."), 342 Capital av, Hartford, Conn.
Heinemann Geo. (Plug & Pane), 1228 N. 8th, Philadelphia, Pa.
Manhattan Electrical Supply Co., 17 Park pl, New York
Mesa Fernando C. Co., Dept. H, Coit & Chancellor av, Irvington, N. J.
Paiste H. T. Co. ("Shaffer" "K. W." "P.K." Taplets), 3201H Arch, Phila., Pa.
Trumbull Electric Mfg. Co. ("Kappa"), Plainville, Conn.
WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa.
See adv index at end of book
Worcester Electric & Mfg. Co., 42 Lagrange, Worcester, Mass.

Cut-Outs (Rain Water)

See Cut-Offs, Rain Water

3527— Cut-Outs (Telephone)

Johns-Manville Inc., Madison av & 41st, New York
Lafayette Electric & Mfg. Co., Lafayette, Ind.

3528—Cut-Outs (Transformer)

Chicago Fuse Mfg. Co., Lafiin & 15th, Chicago, Ill. *See adv index at end of book*
D & W Fuse Co. (& Junction, Oil Fuse-Cut-Outs), Hathaway, Providence, R. I
Delta-Star Electric Co. (High Voltage), 2437 Fulton, Chicago, Ill.
Johns-Manville Inc., Madison av & 41st, New York
Metropolitan Engineering Co. (Primary), 1250 Atlantic av, Brooklyn, N. Y.
Pass & Seymour ("P. & S."), Solvay, N. Y.
Phila. Electrical & Mfg. Co., 1236 N 31st, Phila., Pa.
Schweitzer & Conrad, 4431 Ravenswood, Chicago, Ill.
Wagner Elec. Mfg. Co., 6400 Plymouth, St. Louis, Mo.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

3529— Cutters (Alfalfa)

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
ABBE ENGINEERING CO., 38 Church, New York *See adv index at end of book*
Kalamazoo Tank & Silo Co., Kalamazoo, Mich.
Letz Mfg. Co., Crown Point, Ind.
Ross E. W. Co., Springfield, O.
Silver Mfg. Co. ("Standard," "Ohio," "Monarch," "Silver"), Box 256, Salem, Ohio
Smalley Mfg. Co., Manitowoc, Wis.
Stearns E. C. & Co. ("New Model"), 450 Oneida, Syracuse, N. Y.
Stover Mfg. & Engine Co., Freeport, Ill.
Wilder-Strong Implement Co. ("No. 6") Monroe, Mich.
Wilson Bros. ("Gem"), Easton, Pa.
See adv index at end of book

Cutters (Angle Iron)

See Angle-Iron Cutting Machines, Hand Power

3530— Cutters (Angular)

Ampco Twist Drill & Tool Co., 18th & Howard, Detroit, Mich.
Barber-Colman Co., Rockford, Ill.
Becker Milling Machine Co., Hyde Park, Boston, Mass.
Brady F. A. Inc., 30 Church, New York
Brown & Sharpe Mfg. Co., Providence, R. I.
Clark Cutter Co., 1304 Harper av., Detroit, Mich.
Cleveland Cutter & Reamer Co. (The), 7410 Madison, Cleveland, O.
Cowles Tool Co., 2086 W 110th, Cleveland, O.
Clough R. M., Tolland, Conn.
Gale-Sawyer Co., 355 Atlantic av, Boston, Mass.
Illinois Tool Works, 2501 N. Keeler av, Chicago, Ill.
Ingersoll Milling Machine Co., Rockford, Ill.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
NATIONAL TOOL CO. ("National-Cleveland"), Cleveland, O.
See adv index at end of book
National Twist Drill & Tool Co., Detroit, Mich.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Standard Tool Co., 6700 Central av, Cleveland, O.
Surerus & Greenhill, 502 W Division, Chicago, Ill.
Thurston Mfg. Co. ("Thurco"), 140 Benedict, Providence, R. I.
Union Twist Drill Co., Athol, Mass.

3531—Cutters (Arc Lamp Carbon)

Atlas Electric Devices Co., 360 W. Superior, Chicago, Ill.
Lundin Elec. & Machine Co., 10 Thatcher, Boston, Mass.

3532— Cutters (Axle)

Keller Mfg. Co. ("Keller"), 1325 N. E. Quincy, Minneapolis, Minn.

3532a— Cutters (Bar)

Doelger & Kirsten, 3015 Chambers, Milwaukee, Wis.

Cutters (Belt)

See Belt Cutting Machines

3532b—Cutters (Blacksmiths')

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

3533—Cutters (Board Matcher)

Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*

Cutters (Boiler Tube)

See Cutters, Flue

Cutters (Bolt)

See Bolt Cutting Machines; also Clippers, Bolt & Rivet

Cutters (Bone)

See Mills, Bone & Shell

3534— Cutters (Bread)

See also Slicing Machines, Bread & Meat
Buffalo Specialty Co. ("Lightning"), 375 Ellicott, Buffalo, N. Y.
Sharp L. C. Mfg. Co. ("Hydraulic"), Plattsmouth, Neb.
Smith's John E. Sons Co., Buffalo, N. Y.
Thurnauer G. M. Co., 6 E 20th, New York

3535—Cutters (Brick & Drain Tile)

Arnold-Creager Co., New London, O.
Bonnot Company (Revolving), Canton, O.
Brewer H. & Co., Tecumseh, Mich.
Cox R. E. (Mrs. G. S.), East Liverpool, O.
Freese E. M. & Co. (Automatic Brick), Galion, O.
Hadfield-Penfield Steel Co. (The) (Automatic), Bucyrus, O.
See adv index at end of book
Marion Machine Foundry & Supply Co., Marion, Ind.

3536— Cutters (Broom)

Walrath Alphonso Co. ("Hurt"), Fort Plain, N. Y.
Wicaco Screw & Mach. Wks., 4801 H Stenton av, Phila., Pa.

3537— Cutters (Butter)

See also Butter Cutting & Printing Machines

Chain Products Co., 3924 Cooper av, Cleveland, O.
Simpson, R. A., 4402 Market, Oakland, Cal.
Smith's John E. Sons Co. (Butter Dispensing Machines), 50 B'way, Buffalo, N. Y.
Standard Butter Cutter Co., 78 Murray, New York

3538— Cutters (Button Hole)

Compton W. H. Snear Co. ("Compton"), 314 Camden, Newark, N. J.
Eyelet Tool Co., 190 Dorchester av, Boston, Mass.
Kraeuter & Co., 583 18th av, Newark, N. J.
Wiss J. & Sons Co. ("Bauers"), 31 Littleton av, Newark, N. J.

Cutters (Cabbage Core, Etc.)

See Corers, Cabbage

3539-40— Cutters (Cake)

Central Stamping Co. (& Doughnut), 206 Broadway, New York
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
National Enameling & Stamping Co. (Plain & Fancy), 411 5th av, New York
Triumph Mfg. Co. (Droppers), 3400 Spring av, Cincinnati, O.

3541—Cutters (Carving Machine)

Anthe Mach Works, Covington, Ky.
Redin John E., Rockford, Ill.
Porter C. O. Machinery Co., 666 Front av, N. W., Grand Rapids, Mich.
Valley City Machine Works, Grand Rapids, Mich.

3542—Cutters (Cast Iron Pipe)

Rodefeld Mfg. Co., Richmond, Ind.
Smith A. P. Mfg. Co., East Orange, N. J
Walworth Mfg. Co. ("Hall"), Boston Mass.

3543— Cutters (Cheese)

Computing Cheese Cutter Co. ("Safe," Computing), Anderson, Ind.
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Stortz John & Son (Revolving Table), 210 Vine, Phila., Pa.

3544— Cutters (Cigar)

Bates & Bacon, Attleboro, Mass.
Bedortha Bros., Windsor, Conn.
Brunhoff Mfg. Co. (Cutter & Lighter Combined), Yank & Freeman, Cincinnati, O.
Crescent Mfg. Co., Fremont, O.
Dean & Williams Co. ("Zip"), 4317 Elston av, Chicago, Ill.
Emrich Phil, 824 Main, Cincinnati, Ohio
Grammes L. F. & Sons, 311 Union, Allentown, Pa.
See adv index at end of book
Havell Mfg. Co., 284 Washington, Newark, N. J.
K. & O. Co., 366 Butler, B'klyn, N. Y.
King Klip Co., 136 W. 52nd, New York
Levy Robt. Co., 85 Market, Newark, N. J.
Miller, Du Brul & Peters Mfg. Co., Norwood, Cincinnati, Ohio
Taylor Mfg. Co., 18 Asylum, Hartford, Conn.

3544a—*Cutters (Circular Cork or Paper)

Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.

Cutters (Cloth)

See Cutting Machines, Cloth

3545— Cutters (Clover)

Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Abbe Paul O. Inc., 71A Murray, New York
See adv index at end of book
Belcher & Taylor Agricultural Tool Co. ("Chicken"), Chicopee Falls, Mass.
Brady F. A. Inc., 30 Church, New York
Freeman Mfg. Co., Racine, Wis.
Heebner & Sons ("Heebner's Union"), Lansdale, Pa.
Humphey & Sons, Joliet, Ill.
Mann F. W. Co., Milford, Mass.
Ross E. W. Co., Springfield, O.
Silver Mfg. Co. ("New Model"), Box 256 Salem, Ohio
Smalley Mfg. Co., Manitowoc, Wis.
Stearns E. C. Co. ("New Model"), 450 Oneida, Syracuse, N. Y.
Wilson Bros. ("Gem"), Easton, Pa.
See adv index at end of book

Cutters (Convex & Concave)

See Cutters, Milling

3546—Cutters (Corner Rounding)

Barber-Colman Co., Rockford, Ill.
Clark Cutter Co., 1304 Harper av, Detroit, Mich.
Cleveland Cutter & Reamer Co. (The), 7410 Madison, Cleveland, O.
Cowles Tool Co., 2086 W 110th, Cleveland, O.
Gale-Sawyer Co., 36 Oliver, Boston, Mass.
Goddard & Goddard Co., 4724 Hastings, Detroit, Mich.
Knowlton M. D. & Co., 26 Elizabeth, Rochester, N. Y.
National Tool Co. ("National Cleveland"), Cleveland, Ohio
See adv index at end of book
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Union Twist Drill Co., Athol, Mass.

3547—Cutters (Drawer Construction)

Redin, Ekstrom & Co. ("Rockford" for Tenoning Machines), Rockford, Ill.
See adv index at end of book

3548— Cutters (Dredge)

Ellicott Machine Corp., 1111 Bush, Baltimore, Md. *See adv index at end of book*
Norbom Engineering Co. (For Hydraulic Dredges), 5th and R. R. R., Phila., Pa.

3549— Cutters (Ear Corn)

Fleming & Sons Mfg. Co., Huntsville, Mo.
HEEBNER & SONS, Lansdale, Pa.
Jaschke Edw., Bellevue, O.
Sandwich Mfg. Co. ("Dean"), Sandwich Ill.
Smalley Mfg. Co., Manitowoc, Wis.
Voss Bros. Mfg. Co. ("Little Giant"), Davenport, Ia.

3550—Cutters (Emery Wheel Dresser)

Braunsdorf-Mueller Co., Elizabeth, N. J.
Calder Geo. H., Lancaster, Pa.
Cleveland Flue Cleaner Mfg. Co., 5318 St. Clair av, Cleveland, Ohio
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
Vincent Steel Process Co., 3131 Bellevue av, Detroit, Mich.

3550a— Cutters (End Milling)

PORTER-CABLE MACHINE CO. (THE) (High Speed and Carbon. Fully guaranteed. Many satisfied customers), 708 N. Salina, Syracuse, N. Y.

3551— Cutters (Ensilage)

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Advance Rumley Co. ("Advance"), Madison & Lincoln Way, La Porte, Ind.
Appleton Mfg. Co. ("Appleton," "New Hero"), Batavia, Ill.
Associated Manufacturers' Co., Waterloo, Iowa
Automatic Carrier Co. ("A. C. Co."), Juneau, Wis.
Belcher & Taylor Agricultural Tool Co., ("Baldwin," "Gale-Baldwin," "Lion"), Chicopee Falls, Mass.
Belle City Mfg. Co. ("Belle City"), Racine, Wis.
Climax Corp. ("Climax," "Empire State," "Rex," "Wyoming"), Dept H, Batavia, N. Y.
Conner J. W. & Son (Cutter & Swivel Carrier), Orangeville, Pa.
Dick Jos. Mfg. Co. ("Blizzard," "Famous," "Leader"), Canton, O.
Doylestown Agricultural Co. ("Advance," Pneumatic), Doylestown, Pa.
Eagle Mfg. Co., Appletown, Wis.
Ellis Keystone Agricultural Works ("Keystone"), Pottstown, Pa.
N. Y.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Foster & Williams Mfg. Co. ("Victor"), Racine, Wis.
Freeman Mfg. Co., Racine, Wis.
See adv index at end of book
Gehl Bros. Mfg. Co. ("Silverzahn"), West Bend, Wis.
Globe Foundry & Machine Co., Sheboygan, Wis.
Gould Balance Valve Co. ("Iowa"), Kellogg, Ia.
Hamachek Frank ("Giant"), Kewaunee, Wis.
Harrison W. R. & Co. ("Tornado"), Massillon, O.
HEEBNER & SONS ("Union"), Lansdale, Pa.
Illinois Silo & Tractor Co., Bloomington, Ill.
International Harvester Co. ("McCormick-Deering"), Harvester bldg, Chicago, Ill.
Kalamazoo Tank & Silo Co., Kalamazoo, Mich.
Lyon Iron Works ("Triumph"), Greene, N. Y.
Messenger Mfg. Co. ("Empire"), Tatamy, Pa.
Papec Machine Co., Shortsville, N. Y.
Plymouth Fdry & Machine Co., Plymouth, Wis.
Rosenthal Corn Husker Co. ("Rosenthal"), West Allis, Milwaukee, Wis.
Ross E. W. Co. ("Ross"), Springfield, O.
Rowell I. B. Co. (With Chain Elevator or Blower), Waukesha, Wis.
Silver Mfg. Co. ("Ohio," "Ohio Standard," "Blower," "Monarch," Carrier Power), Box 256, Salem, Ohio
Smalley Mfg. Co., Manitowoc, Wis.
Stover Mfg. & Engine Co., Freeport, Ill.
Swayne-Robinson & Co. ("Money-Maker"), Richmond, Ind.
U. S. Wind Engine & Pump Co. ("I. X. L."), Batavia, Ill.
Wilder-Strong Implement Co. ("America," "Swiss"), Monroe, Mich.

3552—Cutters (Face Milling)

Ampco Twist Drill & Tool Co., 18th & Howard, Detroit, Mich.
Barber-Colman Co., Rockford, Ill.
Brady F. A. Inc., 30 Church, New York
Cleveland Cutter & Reamer Co. (The), 7410 Madison, Cleveland, O.
Cleveland Milling Mach. Co., 18521 Euclid av, Cleveland, Ohio
Gale-Sawyer Co., 255 Atlantic av, Boston, Mass.
Ingersoll Milling Machine Co., Rockford, Ill.
Morse Twist Drill & Machine Co. ("Morse," with Inserted Teeth), New Bedford, Mass.
National Tool Co. ("National-Cleveland"), Cleveland, Ohio
See adv index at end of book
Sommer & Adams Co., 18511 Euclid av, Cleveland, Ohio
Standard Tool Co., 6700 Central av, Cleveland, O.
Union Twist Drill Co., Athol, Mass.

3553— Cutters (Feed)

See also Cutters, Alfalfa; also Cutters, Fodder

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Albright Jas. H. & Sons, Mifflinburg, Pa.
Ann Arbor Machine Co. ("Cummings"), Shelbyville, Ill.
Appleton Mfg. Co., Batavia, Ill.
Babcock Mfg. Co. ("Ostego"), Leonardsville, N. Y.
Belcher & Taylor Agricultural Tool Co. ("Chicken," "Baldwin," "New York," "Nonesuch," "Union," "Victor," "Gale Jr.," "Hide Roll," "Lion," "Self-Sharpening"), Chicopee Falls, Mass.
Belle City Mfg. Co. ("Belle City"), Racine, Wis.
Buch's A. Sons Co. ("Buch," "Lighthouse," "Nobby," "Pennsylvania"), Elizabethtown, Pa.
Cardwell Machine Co. ("Smith"), 1900 E Cary, Richmond, Va.
Challenge Co., Batavia, Ill.
Climax Corp. ("Climax," "Rex," "Wyoming"), Dept H, Batavia, N. Y.
Conner J. W. & Son ("Daisy" Cutter & Crusher), Orangeville, Pa.
Dick Jos. Mfg. Co. ("Alpine," "Dick's" Lever, "Famous"), Canton, O.
Donaldson Bros. ("King"), Mount Clemens, Mich.
Eagle Machine Co., Lancaster, O.
Eddy W. Plow Co. ("Dandy," "Eddy," Yankee"), Greenwich, N. Y.
Ellis Keystone Agricultural Works ("Keystone" Ensilage & Feed Cutter), Pottstown, Pa.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Farquhar A. B. Co., Ltd. ("Clipper"), York, Pa.
Foster & Williams Mfg. Co., Racine, Wis.
Freeman Mfg. Co. (Hand & Power), Racine, Wis.
See adv index at end of book
Gehl Bros. Mfg. Co. ("Silverzahn"), West Bend, Wis.
Glascock Stove & Mfg. Co. ("Smith" Lever), Greensboro, N. C.
Globe (With or Without Blower Elevator), Sheboygan, Wis.
Gowanda Agricultural Works ("Gowanda," "Star," "Hand"), Gowanda, N. Y.
Greenville Implement Co., Greenville, Mich.
Hamachek Frank ("Giant," "Ideal"), Kewaunee, Wis.
Hamburg Plow Works ("Handy"), Hamburg, Pa.
Harrison W. R. & Co. ("Tornado"), Massillon, O.
HEEBNER & SONS ("Union"), Lansdale, Pa.
Heller-Aller Co. ("Heller"), Napoleon, O.
Hench & Dromgold Co. (Hand & Power, "Superior"), York, Pa.
Hocking Valley Mfg. Co. ("Boss," "Kokosing," "Hocking Valley," "Geneva"), Lancaster, O.
Lyon Iron Works ("Triumph"), Greene, N. Y.
Messinger Mfg. Co. (Hand & Power), Tatamy, Pa.
Moore Plow & Implement Co., Greenville, Mich.
Mountville Mfg. Co. ("Triumph"), Mountville, Pa.
Papec Machine Co., Shortsville, N. Y.
Ross E. W. Co. ("Ross"), Springfield, O.
Ross-Meehan Foundries, Carter, Chattanooga, Tenn.
Rowell I. B. Co. ("Rowell"), Waukesha, Wis.
Silver Mfg. Co. ("Ohio," "Pony," Hand & Power, "Plantation"), Box 256, Salem, Ohio
Smalley Mfg. Co. (Electric), Manitowoc, Wis.
Smith D. B. & Co. (Hay), Utica, N. Y.
Star Mfg. Co., Carpentersville, Ill.
Tanner D. F. ("Tanner," "Special"), Holland, N. Y.
Thornburgh Mfg. Co. ("New No. 8," "Peerless" Hand Lever), Bowling Green, O.
Wausau Foundry & Machine Co., Wausau, Wis.
Wayne Works, Richmond, Ind.
Wilder-Strong Implement Co. ("Comet," "Swiss," "Whirlwind"), Monroe, Mich.
Wilson Bros. ("Gem"), Easton, Pa.
See adv index at end of book
Wodsedalak Jos., Algoma, Wis.

3554— Cutters (Flue)

Borden Co., 508 Duane av, Warren, O.
Clark Equipt. Co., Buchanan, Mich.
Columbia Chuck & Tool Co. ("O'Neill"), 140 S Dearborn, Chicago, Ill.
Davis Bournonville Co., Van Wagner av, Jersey City, N. J.
Faessler J. Mfg. Co. ("Perfect"), Moberly, Mo.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Lagonda Mfg. Co. ("Lagonda"), Springfield, O.

(Continued on following page)

Cutters (Flue)—Continued

Lovejoy Tool Works (Hole), 319 W Ohio, Chicago, Ill.
See adv index at end of book
Milburn Alexander Co., 1428 W Baltimore, Baltimore, Md.
Redington F. B. Co. ("American," "Redington"), 112 S. Sangamon, Chicago, Ill.
Ryerson Jos. T. & Son, Inc., 2558 W. 16th, Chicago, Ill. *See adv index at end of book*
Skinner M. B. Co. ("Wernicke"), 562 W Washington, Chicago, Ill
Treadwell Engng. Co., Easton, Pa.
See adv index at end of book
Wiedeke Gustav & Co. ("Wiedeke," "Ideal" & "Dayton" Self-Feed), Dayton, O.

3555— Cutters (Fodder)

Ann Arbor Machine Co. ("Ann Arbor," "Cummings"), Shelbyville, Ill.
Appleton Mfg. Co. ("Appleton," "New Hero"), Batavia, Ill.
Belcher & Taylor Agricultural Tool Co. "Baldwin," "Gale-Baldwin"), Chicopee Falls, Mass.
Belle City Mfg. Co. ("Belle City"), Racine, Wis.
Challenge Co., Batavia, Ill.
Climax Corp. ("Empire State"), Dept H, Batavia, N. Y.
Dick Jos. Mfg. Co. ("Blizzard," "Famous," "Leader"), Canton, O.
Doylestown Agricultural Co. ("Advance," "Doylstown"), Doylestown, Pa.
Eagle Mfg. Co. ("Eagle"), Appleton, Wis.
Ellis Keystone Agricultural Works ("Keystone" with Crusher Attachment), Pottstown, Pa.
Fairbanks Morse & Co., 900 S Wabash av, Chicago, Ill.
Freeman Mfg. Co., Racine, Wis.
See adv index at end of book
Gehl Bros. Mfg. Co., West Bend, Wis.
Hamachek Frank ("Giant"), Kewaunee, Wis.
Harrison W. R. & Co., Massillon, O.
Heebner & Sons ("Heebner's Union"), Lansdale, Pa.
Lyon Iron Works ("Triumph"), Greene, N. Y.
Messinger Mfg. Co., Tatamy, Pa.
Mountville Mfg. Co., Mountville, Pa.
Papec Machine Co., Shortsville, N. Y.
Plymouth Fdry. & Machine Co., Plymouth, Wis.
Ross E. W. Co. ("Ross"), Springfield, O.
Silver Mfg. Co. ("Ohio"), Box 256, Salem, Ohio
Smalley Mfg. Co., Manitowoc, Wis.
Wilder-Strong Implement Co. ("America," "Raisin Valley," "Swiss"), Monroe, Mich.

Cutters (Food)

See Choppers, Meat & Food

3556—Cutters (Formed Milling)

Alvord Reamer & Tool Co., Millersburg, Pa.
Ampco Twist Drill & Tool Co., 18th & Howard, Detroit, Mich.
Barber-Colman Co., Rockford, Ill.
CLARK CUTTER CO., 1304 Harper av, Detroit, Mich.
Cleveland Cutter & Reamer Co. (The), 7410 Madison, Cleveland, O.
Cowles Tool Co., 2086 W 118th, Cleveland, O.
Gale-Sawyer, 255 Atlantic av, Boston, Mass.
Goddard & Goddard Co., 4724 Hastings, Detroit, Mich.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
NATIONAL TOOL CO. ("National-Cleveland"), Cleveland, O.
See adv index at end of book
Pratt & Whitney Co. ("Curvex"), Hartford, Conn. *See adv index at end of book*
Standard Tool Co., 6700 Central av, Cleve-
Thurston Mfg. Co., 140 Benedict, Providence, R. I.
land, O.
Union Twist Drill Co., Athol, Mass.

3556a— Cutters (Fuse)

DU PONT E. I. DE NEMOURS & CO., INC., Explosives & Smokeless Powder Depts. (see adv. at Explosives), Wilmington, Del. *See adv index at end of book*

3557— Cutters (Gang)

Ampco Twist Drill & Tool Co., 18th & Howard, Detroit, Mich.
Brady F. A. Inc., 30 Church, New York
Clark Cutter Co., 1304 Harper av, Detroit, Mich.
Cleveland Cutter & Reamer Co. (The), 7410 Madison, Cleveland, O.
Detroit Twist Drill Co., Cleveland, O.
Gale-Sawyer Co., 255 Atlantic av, Boston, Mass.
Goddard & Goddard Co., 4724 Hastings, Detroit, Mich.
Ingersoll Milling Machine Co., Rockford Ill.
Morse Twist Drill & Machine Co., ("Morse"), New Bedford, Mass.
NATIONAL TOOL CO ("National-Cleveland"), Cleveland, Ohio
See adv index at end of book
Reed-Prentice Co., 677 Cambridge, Worcester, Mass.
Surerus & Greenhill, 502 W Division, Chicago, Ill.
Union Twist Drill Co., Athol, Mass.

3558—Cutters (Gauge Glass)

Chesterton A. W. Co. ("Chesterton," "Boston"), 64 India, Boston, Mass.
Goodell-Pratt Co., Greenfield, Mass.
McRae & Roberts Co., 100 S Campbell av, Detroit, Mich.
Monce S. G., Unionville, Conn.
Newark Brush & Scraper Co. ("Newark"), 266 Fabyan pl, Newark, N. J.
Pancoast Hy. B. Co. ("Simplex"), 950 N Front, Phila., Pa.
Rogers H. A. Co. ("Favorite"), 87 Walker, New York
Skinner & Connolly ("Skinner's"), Yonkers, N. Y.
SMITH & HEMENWAY CO., INC. ("Red Devil"), 261H B'way, New York & 130H Colt, Irvington, N. J.
See adv index at end of book
Wilkins G. H. ("Wilkins"), 180 N. Market, Chicago, Ill.

3559— Cutters (Gear)

Ampco Twist Drill & Tool Co., 18th & Howard, Detroit, Mich.
Barber-Colman Co., Rockford, Ill.
Bilton Machine Tool Co. ("Bilton" Gear Millers), 990 Housatonic av, Bridgeport, Conn.
Brady F. A. Inc., 30 Church, New York
Brown & Sharpe Mfg. Co., Providence, R. I.
CLARK CUTTER CO., 1304 Harper av, Detroit, Mich.
Cleveland Cutter & Reamer Co. (The), 7410 Madison, Cleveland, O.
Clough R. M., Tolland, Conn.
Detroit Reamer & Tool Co., 302 E Congress, Detroit, Mich.
Fellows Gear Shaper Co. ("Fellows Gear Shaper Cutter"), Springfield, Vt.
Goddard & Goddard Co., 4724 Hastings, Detroit, Conn.
Gould & Eberhardt, 97 N. J. RR. av, Newark, N. J.
Illinois Tool Works, 2501 N. Keeler av., Chicago, Ill.
National Tool Co. ("National-Cleveland"), Cleveland, Ohio
See adv index at end of book
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Sloan & Chace Mfg. Co., 351 6th av, New-ark, N. J.
Thurston Mfg. Co., 140 Benedict, Providence, R. I.
Union Twist Drill Co., Athol, Mass.
Walraven Co., 36-38 Alabama, Atlanta, Ga.

3559a— Cutters (Glass)

AMERICAN SAW & MFG. CO. ("Lenox"), 69 Boylston, Springfield, Mass.
Barrett W. L. ("Standard," Steel Wheel), Bristol, Conn.
Bullock Mfg. Associates, Springfield, Mass.
Browne & Dowd Mfg. Co. ("Favorite" Rolling Steel Wheel, etc), Meriden, Conn.
Crescent Co., Inc. ("Crescent"), Meriden, Conn.
Fletcher, Terry Co. ("Leader," "Champion," "Favorite," "Handy," Interchangeable & Standard Styles, Steel Wheel), Forestville, Conn.
Goodell Tool Co. (Circular), Shelburne Falls, Mass.
Goodell-Pratt Co., (With Turret Head), Greenfield, Mass.
Hart H. C. Mfg. Co. ("King of Cutters," "Perfect"), Unionville, Conn.
Irvington Mfg. Co., Irvington, N. J.
Karelsen E. (Diamond), 15 W. 44th, New York
Miller J. E. & Co. ("Trojan," "Krac-a-Jac," "Favorite"), 330 W Kinzie, Chicago, Ill.
Monce S. G. ("Monce" Steel Wheel), Unionville, Conn.
New England Novelty Works ("Woodward," Steel Wheel), Hill, N. H.
Pritchard Stamping Co., Rochester, N. Y.
Rocky Hill Hardware Co., Rocky Hill, Conn.
Sinez Philip Co. & Diamond, 300 Hanover, Baltimore, Md.
SMITH & HEMENWAY CO. ("Red-Devil"), 261H B'way, New York, and 130H Colt, Irvington, N. J.
See adv index at end of book



Cutters (Glass Tube)

See Cutters, Gauge Glass

3559b— *Cutters (Green Bone)

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
MITTS & MERRILL, 1939 S. Water, Saginaw, Mich.
WILSON BROS. ("Crown," "Daisy" Hand & Power), Easton, Pa.
See adv index at end of book

3560— Cutters (Gummer)

See also Gummers, Saw

Ajax Mfg. Co. (Solid for Saw & Stone Gummers), Pittsburgh, Pa.
Atkins E. C. & Co., Indianapolis, Ind.
Mixter J. W. Saw Tool Co., Plymouth, Mass.

3561— Cutters (Gun Wad)

Kraeuter & Co., 583 18th av, Newark, N. J.
Union Hardware Co., Torrington, Conn.

3562-3—Cutters (Hand Hole)

Chase Turbine Mfg. Co., Orange, Mass.

Cutters (Hog Nose)

See Ringers, Hog

3564— Cutters (Interlocking)

Ampco Twist Drill & Tool Co., 18th & Howard, Detroit, Mich.
Brady F. A. Inc., 30 Church, New York
Cleveland Cutter & Reamer Co., 7410 Madison, Cleveland, O.
Clark Cutter Co., 1304 Harper av, Detroit, Mich.
Cleveland Milling Machine Co., 18511 Euclid av, Cleveland, O.
Cowles Tool Co. (Side Milling), 2086 W 110th, Cleveland, O.
Detroit Reamer & Tool Co., 302 E Congress, Detroit, Mich.
Federal Adding Machine Corp., 33 E. 21st, New York
Gale-Sawyer Co., 36 Oliver, Boston, Mass.
Ingersoll Milling Machine Co., Rockford, Ill.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
National Tool Co. ("National Cleveland"), Cleveland, Ohio
See adv index at end of book
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Standard Tool Co., 6700 Central av, Cleveland, O.

3565— Cutters (Involute)

Ampco Twist Drill & Tool Co., 18th & Howard, Detroit, Mich.
Barber Colman Co., Rockford, Ill.
Brady F. A. Inc., 30 Church, New York
Clark Cutter Co., 1304 Harper av, Detroit, Mich.
Cleveland Cutter & Reamer Co., 7410 Madison, Cleveland, O.
Cleveland Milling Machine Co., 18511 Euclid av, Cleveland, O.
Detroit Reamer & Tool Co., 302 E Congress, Detroit, Mich.
Goddard & Goddard Co., 472A Hastings, Detroit, Mich.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
National Tool Co. ("National Cleveland"), Cleveland, Ohio
See adv index at end of book
Pratt & Whitney Co. (Gear), Hartford, Conn.
See adv index at end of book
Sloan & Chace Mfg. Co., 351 6th av, Newark, N. J.
Standard Tool Co., 6700 Central av, Cleveland, O.
Union Twist Drill Co. (Gear), Athol, Mass.

3566—Cutters (Iron Bar & Rod)

See also Cutters, Rod & Wire

Braun J. G., 609 S Paulina, Chicago, Ill.
Buffalo Forge Co. (Angle Iron Power & Hand), 480 B'way, Buffalo, N. Y.
Carolus Mfg. Co. ("Carolus"), Sterling, Ill.
Concrete Steel Co., 42 Broadway, New York
Mersick C. S. & Co., New Haven, Conn.
Rock River Machine Co., Janesville, Wis.
Tucker W. B. & C. F. ("Hercules"), 191 Franklin, Hartford, Conn.

3566a—Cutters (Iron Sheet, Bar & Rod)

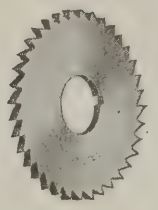
Tucker W. B. & C. F. ("Hercules"), 191 Franklin, Hartford, Conn.

3566b—*Cutters (Key Way)

See also Key Seating Machines; also Milling Machines

Ampco Twist Drill & Tool Co., 18th & Howard, Detroit, Mich.
Wells Corporation (The) ("Broachwell"), 15 Arch, Greenfield, Mass.
See adv index at end of book



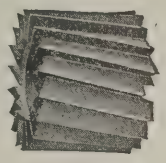



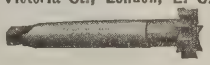
National-Cleveland Milling Cutters

For Every Requirement

We manufacture Plain Milling Cutters, Side Milling Cutters, Metal Slitting Saws, Angular Cutters, End Mills, Inserted Tooth Milling Cutters, Gear Cutters, Formed Cutters—Cutters of High Speed Steel and Carbon Steel of every description. Spur, Worm and Thread Hobs. Gear Shaper Cutters.

NATIONAL TOOL COMPANY
CLEVELAND, OHIO
Detroit Office and Stock: 400 Marquette Bldg., 243 W. Congress St.
New York Office and Stock: 126 Chambers St.
Chicago Office and Stock: 624 Madison Terminal Bldg., 9 S. Clinton St.
Philadelphia Office and Stock: Sedgley Ave., at Dauphin St.
European Office: National Tool Co., 139 Queen Victoria St., London, E. C., 4






3567—Cutters (Key-Seating & Slotting)

Ampco Twist Drill Co., 18th & Howard, Detroit, Mich.
Brown & Sharpe Mfg. Co. (Woodruff Keyseat), Providence, R. I.
Clark Cutter Co., 1304 Harper av, Detroit, Mich.
Cowles Tool Co., 2086 W 110th, Cleveland, O.
Detroit Reamer & Tool Co., 302 E Congress, Detroit, Mich.
Gale-Sawyer Co., 255 Atlantic av, Boston, Mass.
Ingersoll Milling Machine Co., Rockford, Ill.
National Machine Tool Co., 2270 Spring Grove, Cincinnati, O.
Pfanstiehl Co., No. Chicago, Ill.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Thurston Mfg. Co. ("Thurco"), 140 Benedict, Providence, R. I.
Whitney Mfg. Co. ("Whitney for Woodruff System), Hartford, Conn.

3568—Cutters (Kraut, Slaw, Etc.)

Chapman-Sargent Co. ("Shaw" Adjustable Knives), Perrysburg, O.
Handy Things Mfg. Co. ("Handy"), Ludington, Mich
Kelso & Co., 559 W Quincy, Chicago, Ill.
Landers, Frary & Clark, New Britain, Conn.
Smith's Jno. E. Sons Co. ("Buffalo," Hand or Power), Buffalo, N. Y.
Thompson O. E. & Sons (Hand), Ypsilanti, Mich.
Thurnauer G. M. Co., 6 E 20th, New York
Tucker & Dorsey Mfg. Co. ("Indianapolis Sanitary," "T. & D. Special" & "Queen"), Indianapolis, Ind.

3569—Cutters (Lace Leather)

Braunsdorf-Mueller Co., Elizabeth, N. J.
Greene, Tweed & Co. ("Earle"), 109 Duane, New York
Manufacturers Belt Hook Co. ("Elliott"), 1321 W Congress, Chicago, Ill.

3570— Cutters (Lap)

Baldwin, Tuthill & Bolton, Grand Rapids, Mich.

3571— Cutters (Lead Pipe)

Johnson Wm. (Hedenberg Works) (Plumbers'), Newark, N. J.
Vanderman Mfg. Co., Willimantic, Conn.
Walworth Mfg. Co., Boston, Mass.
Wolverine Brass Works, Grand Rapids, Mich.

3572—Cutters (Lock Corner Box)

Beck Chas. Machine Co., 607 Chestnut, Phila., Pa.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Vaughn Machinery Co., Cuyahoga Falls, Ohio

Cutters (Meat)

See Choppers, Meat

3572a— *Cutters (Meat Scrap)

Mitts & Merrill, 1939 S. Water, Saginaw, Mich.

Cutters (Metal Slitting)

See Gang Slitting Machines

3573— Cutters (Milling)

See also Cutters, Plain Milling; also Cutters, Screw Slotting; also Cutters, Side Milling; also Cutters Milling, Inserted Teeth

Advance Machinery Co., Van Wert, Ohio
Allen Wrench & Tool Co., 754 Eddy, Providence, R. I.
Alvord Reamer & Tool Co., Millersburg, Pa.
American Machine Products Co., 18th & Howard, Detroit, Mich.
Am. Twist Drill & Tool Co. (High Speed), W Jefferson av at 21st, Detroit, Mich.
Ampco Twist Drill Co., 18th & Howard, Detroit, Mich.
Anderson Die Machine Co. ("Anderson," Super-Helical), 544 Iranistan av, Bridgeport, Conn.
Arnold H. H. Co. Inc., Rockland, Mass.
Barber-Colman Co., Rockford, Ill.
Bilton Machine Tool Co. ("Bilton"), 990 Housatonic av, Bridgeport, Conn.
Bliss A. H. Co. (High Speed), North Attleboro, Mass.
Brady F. A. Inc., 30 Church, New York
Bridgeport Cutter Co., Inc., Remer, Bridgeport, Conn.
Brown & Sharpe Mfg. Co., Providence, R.I.
Chicago Tool Reclaiming Co., 174 W Austin av, Chicago, Ill.
CLARK CUTTER CO., 1304 Harper av, Detroit, Mich.
Cleveland Cutter & Reamer Co., The, 7410 Madison, Cleveland, O.
Cleveland Milling Mach. Co., 18521 Euclid av, Cleveland, Ohio
Clough R. M. (Also Gear), Tolland, Conn.
Cowles Tool Co., 2086 W 10th, Cleveland, O.
Cruban Machine & Steel Corp., 60 Warick, New York
Davidson Tool Mfg. Co., 122 Maiden Lane, New York City
Detroit Reamer & Tool Co., 302 E Congress, Detroit, Mich.
DETROIT TWIST DRILL CO. (Plain & Side), 555 Fort, Detroit, Mich.
Federal Adding Machine Corp., 33 E. 21st, New York
Gale-Sawyer Co., 255 Atlantic av, Boston, Mass.
Garvin Machine Co., 147 Varick, New York.
GASKET SUPPLY CO. (For All Kinds of Sheet Metal Work), 1927 Ludlow, Phila., Pa. *See adv index at end of book*
Goddard & Goddard, 4724H Hastings, Detroit, Mich.
Greenfield Tap & Die Corp., Greenfield, Mass.
Hanscom Cutter Works, 1297 River H P, Boston, Mass.
Haynes Steellite Co. ("Steellite"), Kokomo, Ind.
Illinois Tool Works, 2501 N. Keeler av, Chicago, Ill.
Ingersoll Milling Machine Co., Rockford, Ill.
Madison Mfg. Co., Spring & Elton, Muskegon, Mich.
Morse Twist Drill & Machine Co. ("Morse" for Mitre & Bevel Gears), New Bedford, Mass.
NATIONAL TOOL CO. ("National-Cleveland"), (Nicked Tooth, Plain, Face, etc), Cleveland, O.
See adv index at end of book
National Twist Drill & Tool Co. ("National"), Detroit, Mich.
New Britain Tool & Mfg. Co., New Britain, Conn.
Oesterlein Machine Co., Cincinnati, O.
Pratt & Whitney Co. ("Curvex" Spiral Fluted Formed), Hartford, Conn.
See adv index at end of book

(Continued on following page)

MILLING CUTTERS

YOU'LL get better production if you use P. & W. Milling Cutters.

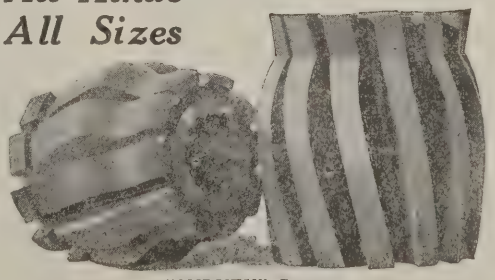
We make all the usual styles and sizes and will make special cutters for special work if you require them.

Where a form is to be milled, we suggest the use of our new "Curvex Cutters"—spiral fluted and eccentrically relieved—which allows the use of a maximum feed to increase production on form milling from 50 to 100 per cent. Catalogue No. 11.

We make Small Tools of all kinds, in all sizes, for every purpose

PRATT & WHITNEY CO. 111 Broadway, New York
Works—Hartford, Conn.

All Kinds
All Sizes



"CURVEX" Cutters

Cutters (Milling)—Continued

Ranson & Randolph Co., 518 Jefferson, Toledo, Ohio
Reed Prentice Co., 677 Cambridge, Worcester, Mass.
Rogers Jno. M. Works, Gloucester City, N. J.
Sloan & Chace Mfg. Co., 351 6th av, Newark, N. J.
Sommer & Adams Co., 18511 Euclid av, Cleveland, Ohio
Standard Tool Co., 6700 Central av, Cleveland, O.
Superior Die, Tool & Machine Co., Columbus, O.
Surerus & Greenhill ("Eynon's"), 502 W Division, Chicago, Ill.
Tabor Mfg. Co. ("Taylor-Newbold" High Speed Steel), 18th & Hamilton, Philadelphia, Pa.
Thurston Mfg. Co. ("Thurco"), 140 Benedict, Providence, R. I.
Tindel Morris Co., Eddystone, Pa.
Tool Salvage Co. (Re-Cut), 407 E. Fort, Detroit, Mich.
Union Twist Drill Co. (Nicked Tooth), Athol, Mass.
Watervliet Tool Co., Inc. (Carbon High Speed), Albany, N. Y.
Windau Tool Co., 1565 E 17th, Cleveland, Ohio

3574—Cutters (Milling, Inserted Tooth)

Ampco Twist Drill Co., 18th & Howard, Detroit, Mich.
Barber-Colman Co., Rockford, Ill.
Brady F. A. Inc., 30 Church, New York
Brown & Sharpe Mfg. Co., Providence, R.I.
Cleveland Cutter & Reamer Co., The, 7410 Madison, Cleveland, O.
Cleveland Milling Mach. Co., 18521 Euclid av, Cleveland, Ohio
Detroit Reamer & Tool Co., 302 E Congress, Detroit, Mich.
Gale-Sawyer Co., 255 Atlantic av,, Boston, Mass.
Goddard & Goddard, 4724H Hastings, Detroit, Mich.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Ingersoll Milling Machine Co., Rockford, Ill.
Lovejoy Tool Co. Inc. ("Lovejoy"), Springfield, Vt.
McCulloch A. P. Machine Co., 216 High, Boston, Mass.
Moback Tool & Machine Mfg. Co. ("Moback"), 330 Atlantic av, Boston, Mass.
Morse Twist Drill & Machine Co. ("Morse" Face & Side Milling), New Bedford, Mass.
NATIONAL TOOL CO. ("National-Cleveland"), Cleveland, O.
See adv index at end of book
O. K. Tool Holder Co. ("O. K."), Shelton, Conn.
Oesterlein Machine Co., Cincinnati, O.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Reed-Prentice Co., 677 Cambridge, Worcester, Mass.
Sommer & Adams Co., 18511 Euclid av, Cleveland, Ohio
Tabor Mfg. Co. (For Planing Metal), 18th & Hamilton, Phila., Pa.
Tindel Morris Co., Eddystone, Pa.
Union Twist Drill Co., Athol, Mass.

3575-6— Cutters (Moulding)

Moss Arthur J., 178 Centre, New York
Oldham New York Saw Wks., Inc., 112 26th, Brooklyn, N. Y.
Redin, Ekstrom & Co., Rockford, Ill.
See adv index at end of book
Wickebend E. ("Fitch Check for Railroad Conductors), 127 N Dearborn, Chicago, Ill.

3577—Cutters (Paper, Hand)

Amer. Specialty Co. ("Premium"), Dept. H, 165 Holland av, Bridgeport, Conn.
Balman E. O. Mfg. Co., Grand Rapids, Mich.
Champion Cutter & Furniture Co., Piqua, Ohio
Pease C. F. Co. ("Perfection"), 820 N Franklin, Chicago, Ill.
See adv index at end of book
Rose Jos. & Co., Irvington, N. J.
Tiley, Pratt Co. (Bone), Essex, Conn.

3578— Cutters (Pinion)

Cleveland Cutter & Reamer Co., The, 7410 Madison, Cleveland, O.
National Tool Co. ("National Cleveland"), Cleveland, Ohio
See adv index at end of book
Sloan & Chace Mfg. Co. (Atoumatic), 351 6th av, Newark, N. J.
Wade American Tool Co., Waltham, Mass.

3579— Cutters (Pipe)

Bignall & Keeler Mach. Works, Edwardsville, Ill.
Borden Co., The ("Beaver"), Warren, Ohio
Continental Supply Co., Post Dispatch bldg, St. Louis, Mo.
Crockett Wm. P. Co., 312 S Green, Chicago, Ill.
Greenfield Tap & Die Corp. ("G. T. D.," Hand), Greenfield, Mass.
Mechanicville Specialty Supply Mfg. Co (automatic), Mechanicville, N. Y.
Treadwell Engng. Co., Easton, Pa.
See adv index at end of book

3580— Cutters (Pipe, Hand)

Armstrong Mfg. Co. ("Armstrong"), 305 Knowlton, Bridgeport, Conn.
Barnes Tool Co. ("Barnes" "Genuine" "Saunders" Pattern), New Haven, Conn.
Brown H. B. Co., East Hampton, Conn.
Collmer Bros ("Saunders' Pattern"), So. Bend, Ind.
Cook August D. (Inside), Lawrenceburg, Ind.
CROWN DIE & TOOL CO. ("Crown"), 2634 N Keeler av, Chicago, Ill.
Curtis & Curtis Co., 188 Garden, Bridgeport, Conn.
Erie Tool Works, Erie, Pa.
Fox Machine Co., Jackson, Mich.
Greenfield Tap & Die Corp ("G. T. D."), Greenfield, Mass.
Hollands Mfg. Co., 352 E 18th, Erie, Pa.
Keller Mfg. Co. ("Keller"), 1325 N E Quincy, Minneapolis, Minn.
Mark Mfg. Co., Evanston, Ill.
Mechanicville Specialty Supply Mfg. Co. ("J. R. S. Easy" Soil Pipe), Mechanicsville, N. Y.
Murchey Mach. & Tool Co. ("Murchey" Rapid Roller Pipe Cutter Power), 951H Porter, Detroit, Mich.
Oswego Tool Co. ("Saunders Pattern," "Barnes" Improved Three Wheel), Oswego, N. Y.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Reed Mfg. Co., Erie, Pa.
Ryerson Jos. T. & Son, Inc., 2558 W. 16th, Chicago, Ill. *See adv index at end of book*
Saunders D. Sons, Yonkers, N. Y.
Smith A. P. Mfg. Co., East Orange, N. J.
Superior Tool Co. ("Du Charme" Combination Roller Chain), Cambridge, O.
Toledo Pipe Threading Machine Co. ("Vosper" & "Toledo"), 1440 Summit, Toledo, Ohio
Trimont Mfg. Co. ("Trimo"), 55 Amory, Boston, Mass.
Tucker Tool & Mach. Co. ("Anderson"), 75 Murray, New York
Vanderman Mfg. Co. (Four Wheel), Willimantic, Conn.
Walworth Mfg. Co. ("Walworth" Three Wheel), Boston, Mass.

3581—Cutters (Plain Milling)

Am. Twist Drill & Tool Co., W Jefferson av & 21st, Detroit, Mich.
Ampco Twist Drill Co., 18th & Howard, Detroit, Mich.
Barber-Colman Co., Rockford, Ill.
Brady F. A. Inc., 30 Church, New York
Brown & Sharpe Mfg. Co., Providence, R. I.
CLARK CUTTER CO., 1304 Harper av, Detroit, Mich.
Cleveland Cutter & Reamer Co., The, 7410 Madison, Cleveland, O.
Cleveland Milling Mach. Co., 18521 Euclid av, Cleveland, Ohio
Cowles Tool Co., 2086 W 110th, Cleveland, O.
Detroit Reamer & Tool Co., 302 E Congress, Detroit, Mich.
Gale-Sawyer Co., 255 Atlantic av, Boston, Mass.
Goddard & Goddard, 4724H Hastings, Detroit, Mich.
NATIONAL TOOL CO. ("National Cleveland"), Cleveland, O.
See adv index at end of book
PRATT & WHITNEY CO., Hartford, Conn.
See adv index at end of book
Sommer & Adams Co., 18511 Euclid av, Cleveland, Ohio
Thruston Mfg. Co. ("Thurco"), 140 Benedict, Providence, R. I.

Cutters (Pneumatic Stay-Bolt)

See Pneumatic Stay-Bolt Cutters

Cutters (Porcelain Tube)

See Cutters, Arc Lamp Carbon

3582— Cutters (Potato)

See also Cutters, Vegetable

Aspinwall Mfg. Co., Jackson, Mich.
Bucher & Gibbs Plow Co. ("Imperial"), 800-36 2nd S E, Canton, O.
Champion Potato Machine Co. ("O. K. Champion"), Hammond, Ind.
Dowden Mfg. Co., Ltd., Prairie City, Ia.
Eureka Mower Co., 1005H Hickory, Utica, N. Y.
Granger Co., A. D., 17 Park Row, New York
See adv index at end of book
Pugh Mfg. Co. ("Gem," "Pugh"), Topeka, Kan.
Smith John E. Sons Co. ("Buffalo" Chip), 50 Broadway, Buffalo, N. Y.

3583— Cutters (Potato Chips)

Smith's Jno. E. Sons Co., Buffalo, N. Y.

3584— Cutters (Potato Seed)

Aspinwall Mfg. Co., Jackson, Mich.
Champion Potato Machine Co. ("O. K. Champion"), Hammond, Ind.
Dowden Mfg. Co. Ltd., Prairie City, Ia.
Fetzer & Co., Springfield, Ill.

3584a—Cutters (Profiling)

Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book

3585— Cutters (Rack)

See also Gear Cutting Machinery

Detroit Reamer & Tool Co., 302 E. Congress, Detroit, Mich.

3586-7—Cutters (Radial Duplex)

Rogers H. A. Co., 87 Walker, New York
See adv index at end of book
Union Twist Drill Co., Athol, Mass.

3588—Cutters (Rod & Wire)

Armstrong-Blum Mfg. Co. ("Marvel"), 337 N Francisco av, Chicago, Ill.
Belden Machine Co., Tyron, New Haven, Conn.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Carolus Mfg. Co. ("Carolus"), Sterling, Ill.
Chandler & Farquhar Co. ("Federal"), 250 Devonshire, Boston, Mass.
Cronk & Carrier Mfg. Co. ("Cronk" Wire Cutter & Bender, Hand Only), 150 Lake, Elmira, N. Y.
Keller Mfg. Co. ("Keller"), 1325 N E Quincy, Minneapolis, Minn.
Niagara Machine & Tool Works, Buffalo, N. Y.
See adv index at end of book
Oliver W. W. Mfg. Co., 1483 Niagara, Buffalo, N. Y.
Porter H. K. ("Boston" Electric Wire, Hand), 6 Ashland, Everett, Mass.
Robinson M. W. Co. ("Carew's" Patent, **Forged Steel), 296 B'way, New York**
Rock River Machine Co., Janesville, Wis.
Tucker W. B. & C. F. ("Hercules," "Leviathan"), 191 Franklin, Hartford, Conn.
Union Mfg. Co. (Combined Punch & Rod Cutter), 300 Church, New Britain, Conn.
Williams A. C. Co. (Cast Iron Only), Ravenna, O.
Worthington Pump & Machy. Corp., 115 B'way, New York

3589— Cutters (Roll Paper)

Arcade Mfg. Co. ("Arcade"), Freeport, Ill.
Champion Paper Cutter Co., Piqua, O.
Cupples Samuel Woodenware Co., 7th & Spruce, St. Louis, Mo.
Cutter Mfg. Co. ("Hub" Wright"), Everett sta, Boston, Mass.
Hilts Wrench & Mfg. Co. ("New York," "Eclipse" & "Reversible"), Richford, N. Y.
Knowlton M. D. & Co., 26 Elizabeth, Rochester, N. Y.
Reed Evan L. Mfg. Co., Tipton, Danville, Ill.

3590— Cutters (Root)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Belcher & Taylor Agricultural Tool Co. ("Champion," "Farmers'," "Gale," "Whitman"), Chicopee Falls, Mass.
Buch's A. Sons Co. ("Buch," "Pennsylvania"), Elizabethtown, Pa.
Cutaway Harrow Co. ("Clark"), Higganum, Conn.
Donaldson Bros. ("King," "Monarch"), Mount Clemens, Mich.
Eddy W. Plow Co., Greenwich, N. Y.
Gray Iron Casting Co ("Greedygrinder"), Springfield, O.
Greenville Implement Co., Greenville, Mich.
Hamachek Frank ("Ideal"), Kewaunee, Wis.
Hirsch Bros. ("Hirsh"), 267 Reed, Milwaukee, Wis.
Humphrey & Sons ("Humphrey"), Joliet, Ill.
Mann F. W. Co. ("Mann"), Milford, Mass.
Silver Mfg. Co. ("Rapid," "Silver"), Box 256, Salem, Ohio
Smalley Mfg. Co. (Electric), Manitowoc, Wis.
Thompson O. E. & Sons ("Banner"), Ypsilanti, Mich.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.

3591—Cutters (Rope, Cord & Twine)

Cutter Mfg. Co., Everett sta, Boston, Mass.
Daniels Machine Co., Johnson, Vt.
Grammes L. F. & Sons, 311 Union, Allentown, Pa.
See adv index at end of book
Reed Evan L. Mfg. Co., Tipton, Danville, Ill.

3592— Cutters (Rosette)

Anthe Mach. Works, Covington, Ky.
Osborne C. S. & Co. (Harness Makers etc.), Box 183, Newark, N. J.
See adv index at end of book

3593—*Cutters (Rotary, for Drugs & Spices)

ABBE PAUL O. INC. ("Abbebilt"), 71A Murray, New York
See adv index at end of book

Abbe Engineering Co., 38 Church, New York *See adv index at end of book*



ABBÉ IMPROVED ROTARY CUTTER OR SHREDDER
For
Roots — Herbs
Drugs — Spices
Paper — Rags
Charcoal—Cork
Wood — Rubber
Ball Bearings
ABBÉ ENGINEERING CO.
38 CHURCH ST. NEW YORK PHONE CORTLANDT 0055

Beach-Russ Co., 38 Church, New York
See adv index at end of book

3594— Cutters (Routing)

Royle John & Sons, Paterson, N. J.

3595-6—Cutters (Screw Slotting)

Ampco Twist Drill Co., 18th & Howard, Detroit, Mich.
Barber-Colman Co., Rockford, Ill.
Brown & Sharpe Mfg. Co., **Providence**, R. I.
Cleveland Cutter & Reamer Co., The, 7410 Madison, Cleveland, O.
Clough R. M., Tolland, Conn.
Detroit Reamer & Tool Co., 302 Congress, Detroit, Mich.
Disston Hy. & Sons, Tacony, Phila., Pa.
Federal Adding Machine Corp., 33 E 21st, New York
Greenfield Tap & Die Corp., Greenfield, Mass.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
National Tool Co. ("National Cleveland"), Cleveland, Ohio
See adv index at end of book
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Reed-Prentice Co., 677 Cambridge, Worcester, Mass.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Standard Tool Co., 6700 Central av, Cleveland, O.
Thurston Mfg. Co. ("Thurco"), 140 Benedict, Providence, R. I.
Union Twist Drill Co., Athol, Mass.

3597—Cutters (Shear & Rod)

Braun J. G., 609 S Paulina, Chicago, Ill.
Carolus Mfg. Co. ("Carolus", Rod Only), Sterling, Ill.
Fastfeed Drill & Tool Corp., Toledo, Ohio & 21 Murray, New York.
McCarthy Drill & Tool Corp., Toledo, O.
Merwin Mfg. Co. ("Vulcan"), **Erie, Pa.**

3598— Cutters (Side Milling)

Am. Twist Drill & Tool Co., W. Jefferson av & 21st, Detroit, Mich.
Ampco Twist Drill Co., 18th & Howard, Detroit, Mich.
Barber-Colman Co., Rockford, Ill.
Brady F. A. Inc., 30 Church, **New York**
Brown & Sharpe Mfg. Co., **Providence**, R. I.
Clark Cutter Co., 1304 Harper av, Detroit, Mich.
Cleveland Cutter & Reamer Co., The, 7410 Madison, leveland, O.
Cleveland Milling Mach. Co., 18531 Euclid av, Cleveland, Ohio
Cowles Tool Co., 2086 W 110th, Cleveland, O.
Detroit Reamer & Tool Co., 302 E Congress, Detroit, Mich.
Federal Adding Machine Corp., 33 E 21st, New York
Gale-Sawyer Co., 36 Oliver, Boston, Mass.
Ingersoll Milling Machine Co., Rockford, Ill.
Morse Twist Drill & Machine Co. ("Morse" Heading Mills; also With Inserted Teeth), New Bedford, Mass.
NATIONAL TOOL CO. ("National-Cleveland"), Cleveland, O.
See adv index at end of book
National Twist Drill & Tool Co., Detroit, Mich.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Reed-Prentice Co., 677 Cambridge, Worcester, Mass.
Sommer & Adams Co., 18511 Euclid av, Cleveland, Ohio
Standard Tool Co., 6700 Central av, Cleveland, O.
Thurston Mfg. Co. ("Thurco"), 140 Benedict, Providence, R. I.
Union Twist Drill Co. (Interlocked), Athol, Mass.
U. S. High Speed Steel & Tool Corp. ("Challenger"), 489 5th av, N. Y.

3599— Cutters (Sleet)

(For Removing Sleet from Trolley Wires)
Bayonet Trolley Hoop. Co., Springfield, O.
Bonney-Vehslager Tool Co., 60 N. J. R. R. av, Newark, N. J.
Electric Service Supplies Co., 17 & Cambria, Phila., Pa.
Eureka Co. ("Eureka"), North East, Pa.
Hensley Trolley & Mfg. Co. (Wheel & Steel), 1258 Holden av, Detroit, Mich.
Holland Trolley Supply Co. ("Holland"), 1623 E 43d, Cleveland, O.
More-Jones Brass & Metal Co., B'way & Dock, St. Louis, Mo.
Nuttall R. D. Co. ("U-S"), McCandless & Harrison av, Pittsburgh, Pa.
Osborne G. H., New Britain, Conn.

3600-1-2—Cutters (Soil Pipe)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Mechanicsville Specialty Supply Mfg. Co. ("J. R. S."), Mechanicsville, N. Y.

Cutters (Spiral Mill)

See Cutters, Side Milling

3603— Cutters (Spiral Plug)

Forest City Bit & Tool Co., Rockford, Ill.

3604— Cutters (Sprocket)

Brown & Sharpe Mfg. Co., Providence, R. I.
Cleveland Cutter & Reamer Co., The, 7410 Madison, Cleveland, O.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
NATIONAL TOOL CO. ("National-Cleveland"), Cleveland, O.
See adv index at end of book
Standard Tool Co., 6700 Central av, Cleveland, O.
Union Twist Drill Co., Athol, Mass.

3605—Cutters (Sprue, Foot & Power)

Adams Co. ("Steel Tubular" Sprue), 295 6th, Dubuque, Ia.
Barnett Oscar Foundry Co., Irvington, N. J.
Bliss E. W. Co., 53rd & 2nd av, Brooklyn, N. Y.
Brass Founders' Supply Co. (Hand & Power for Brass Founders), Wilson av, Newark, N. J.
Busch J. C. Co. (Power Machines), 140 Ferry, Milwaukee, Wis.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Ferracute Machine Co., Bridgeton, N. J.
Foundry Equipment Co., 1833 Columbus rd, Cleveland, O.
Meriden Press & Drop Co. ("Merriman" Sprue Cutting Presses), Meriden, Conn.
Middleditch Benj., Detroit, Mich.
Paxson J. W. Co. ("J-W-P & Co."), Phila., Pa.
Perkins Machine Co., Warren, Mass.
SHUSTER F. B. CO. (Foot & Power), Cedar Hills, New Haven, Conn.
See adv index at end of book
Standard Machinery Co., Providence, R. I.
Tessmer Mach. & Tool Co., 1425 Rivard, Detroit, Mich.
Toledo Machine & Tool Co., Toledo, O.
Turner Foundry & Machine Co., 3632 N. Lawrence, Phila, Pa.
Turner Machine Co., 75 Fulton, N. Y.
Vulcan Engineering Sales Co. ("Milwaukee," Power), 1764 Elston av, Chicago, Ill.
Whiting Geo. Co., 1719 Elston av, Chicago, Ill.
Woodison E. J. Co., 1621 St. Aubin, Detroit, Mich.

3606— Cutters (Stalk)

See also Cutters, Fodder
Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Appleton Mfg. Co., Batavia, Ill.
Avery B. F. & Sons ("Cyclone," "Louisville," Spiral or Straight Knife), Louisville, Ky.
Brinly Hardy Co., Louisville, Ky.
Brown Mfg. Co., Zanesville, O.
Case J. I. Plow Works ("J. I. Case" Single & Double Row), Racine, Wis.
Davidson-Dietrich Plow Co. ("Davidson"), 402 1st, Evansville, Ind.
Deere & Co., Moline, Ill.
Emerson-Brantingham Co. ("EB" Single & Double Row), Rockford, Ill.
Gale Mfg. Co. ("Daisy," Single Row), Albion, Mich.
Galesburg Coulter Disc Co. ("Brown," "Galesburg"), Galesburg, Ill.
Hartman Mfg. Co., Vincennes, Ind.
International Harvester Co. ("McCormick-Deering"), Harvester bldg, Chicago, Ill.
Lehr Agricultural Co., Fremont, O.
Moline Plow Co. ("Easy Rider," "Gladiator" Single & Double Row), Moline, Ill.
Peoria Drill & Seeder Co. ("Union") Peoria, Ill.
Peru Plow & Wheel Co. (Single & Double Row), Peru, Ill.
Rock Island Plow Co., Rock Island, Ill.
Smith R. G. Tool Mfg. Co. (Radius), 315H Market, Newark, N. J.
South Bend Chilled Plow Co., S Bend, Ind.
Southern Plow Co., Dallas, Tex.
Sterling Mfg. Co., Sterling, Ill.
Swanson Plow Co., Muskogee, Okla.
Woodruff Machinery Mfg. Co., Winder, Ga.

3606a—Cutters (Standard & Special)

Brady F. A. Inc., 30 Church, New York
Gale-Sawyer Co., 36 Oliver, Boston, Mass.
cago, Ill.
Smith R. G. Tool & Mfg. Co. (Radius), 249 N. J. R.R. av, Newark, N. J.

3607— Cutters (Stay-Bolt)

See also Pneumatic Stay-Bolt Cutters
Landis Machine Co., Waynesboro, Pa.
Stowe Flexible Shaft Co., N 26th & Callowhill, Phila., Pa.
Universal Machine Co. (Single & Double Head), Bowling Green, O.

3608— Cutters (Stocking)

Brown & Sharpe Mfg. Co. ("B. & S."), Providence, R. I.
Clark Cutter Co., 1304 Harper av, Detroit, Mich.
Cleveland Cutter & Reamer Co., The, 7410 Madison, Cleveland, O
Detroit Reamer & Tool Co., 302 E Congress, Detroit, Mich.
Morse Twist Drill & Machine Co. ("Morse" for Involute Gears), New Bedford, Mass.
National Tool Co. ("National Cleveland"), Cleveland, Ohio
See adv index at end of book
Union Twist Drill Co. (For Gears), Athol, Mass.

3609— Cutters (Straw)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
ABBE ENGINEERING CO., 38 Church, New York *See adv index at end of book*
Cardwell Machine Co. ("Smith" Lever) 1900 E Cary, Richmond, Va.
Mitts & Merrill, 1939 S. Water, Saginaw, Mich.

3610— Cutters (T-Slot)

Barber-Colman Co., Rockford, Ill.
Brown & Sharpe Mfg. Co., Providence, R. I.
Cowles Tool Co., 2086 W 110th, Cleveland, O.
Cleveland Cutter & Reamer Co., The, 7410 Madison, Cleveland, O.
Detroit Reamer & Tool Co., 302 E Congress, Detroit, Mich.
Federal Adding Machine Corp., 33 E. 21st, New York
Gale-Sawyer Co., 36 Oliver, Boston, Mass.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
National Tool Co. ("National Cleveland"), Cleveland, Ohio
See adv index at end of book
National Twist Drill & Tool Co., Detroit, Mich.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Reed-Prentice Co., 677 Cambridge, Worcester, Mass.
Standard Tool Co., 6700 Central av, Cleveland, O.
Union Twist Drill Co., Athol, Mass.

3611—Cutters (Tap & Reamer)

Brown & Sharpe Mfg. Co., Providence, R. I.
Clark Cutter Co., 1304 Harper av, Detroit, Mich.
Cleveland Cutter & Reamer Co., The, 7410 Madison, Cleveland, O.
National Tool Co. ("National-Cleveland"), Cleveland, Ohio
See adv index at end of book
Reed-Prentice Co., 677 Cambridge, Worcester, Mass.
Standard Tool Co., 6700 Central av, Cleveland, O.
Union Twist Drill Co., Athol, Mass.

Cutters (Thistle)

See Cutters, Canada Thistle

3612—Cutters (Tobacco, Counter)

Brunhoff Mfg. Co., Yank & Freeman av, Cincinnati, O.
Cupples Samuel Woodenware Co., 7th & Spruce, St. Louis, Mo.
Enterprise Mfg. Co. ("Enterprise"), Dept. H, 3rd & Dauphin, Phila., Pa.
Griswold Mfg. Co. ("Griswold"), 12th & Raspberry, Erie, Pa.
Landers, Frary & Clark ("Lee's"), New Britain, Conn.

(Continued on following page)

Cutters (Tobacco, Counter)—Cont.

National Specialty Mfg. Co., 3rd & Lehigh av, Phila., Pa.
North Bros. Mfg. Co. ("American," also Shaves), Lehigh av & American, Phila., Pa.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Sargent & Co., Water & Walce, New Haven, Conn.
Schollhorn Wm. Co. ("Tuck's"), 414 Chapel, New Haven, Conn.
Wrightsville Hardware Co. ("Queen," "Brighton," "Perfection" & "Superior"), Wrightsville, Pa.

Cutters (Tube)

See Cutters, Flue

Cutters (Twine)

See Cutters, Rope, Cord & Twine

3613—Cutters (Twist Drill)

Brown & Sharpe Mfg. Co., Providence, R. I.
Clark Cutter Co., 1304 Harper av, Detroit, Mich.
Cleveland Cutter & Reamer Co., The, 7410 Madison, Cleveland, O.
Cowles Tool Co., 2086 W 110th, Cleveland, O.
Detroit Reamer & Tool Co., 302 E Congress, Detroit, Mich.
Federal Adding Machine Corp., 33 E 21st, New York
National Tool Co. ("National-Cleveland"), Cleveland, Ohio
See adv index at end of book
National Twist Drill & Tool Co., 6522 Brush, Detroit, Mich.
Reed-Prentice Co., 677 Cambridge, Worcester, Mass.
Union Twist Drill Co., Athol, Mass.

3614— Cutters (Vegetable)

See also Cutters, Potato

Aspinwall Mfg. Co., Jackson, Mich.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Chapman-Sargent, Piqua, O.
Disston Henry & Sons, Tacony, Phila., Pa.
Eddy W. Plow Co., Greenwich, N. Y.
Enterprise Mfg. Co. ("Enterprise"), Dept. H, 3rd & Dauphin, Phila., Pa.
Humphrey & Sons, Joliet, Ill.
Landers, Frary & Clark, New Britain, Conn.
Lewis E. J. (Celery, Rhubarb, String Bean), Middleport, N. Y.
Mann F. W. Co., Milford, Mass.
Munnsville Plow Co. ("Lightning"), Munnsville, N. Y.
Rollman Mfg. Co. Ltd., Mt. Joy, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Silver Mfg. Co. ("Rapid," "Silver"), Box 256, Salem, Ohio
Smith's John E. Sons Co., 50H B'way, Buffalo, N. Y.
Standard Bone Cutter Co., Milford, Mass.
Thompson O. E. & Sons ("Ypsilanti"), Ypsilanti, Mich.
Tucker & Dorsey Mfg. Co., Indianapolis, Ind.

Cutters (Veneer)

See Veneer Cutting Machines

3615—Cutters (Wall Paper Base)

Cassady, Fairbank Mfg. Co. ("Falcon"), 6126 S La Salle, Chicago, Ill.

3616—Cutters (Washer & Gasket)

Allen Chas. I. ("Eagle"), Pequabuck, Conn.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Cincinnati Tool Co. (also Circle Metal), Main & Waverly av, Cincinnati, Ohio
Goodell-Pratt Co., Greenfield, Mass.
Kraeuter & Co., 583 18th av, Newark, N. J.
OSBORNE C. S. & CO., Box 183, Newark, N. J. *See adv index at end of book*
Rose J. A. Mfg. Co., Hastings, Neb.
Sargent & Company ("Appleton's" Washer), New Haven, Conn.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Skinner M. B. Co., 562 W. Washington, Chicago, Ill.
Smith Otis A. (Washer Cutters Only), Rockfall, Conn.
Stortz Jno. & Son (Washer), 210 Vine, Phila., Pa.

3617— Cutters (Weed)

Shaw H. C. Co. ("Clean-Cut"), Stockton, Cal.

Cutters (Wire)

See Cutters, Rod & Wire

3618—Cutters (Wire, on Log Cars)

Ransome Concrete Machinery Co., Dunellen, N. J.

3619—Cutters & Grinders (Tool Holder)

Armstrong Bros. Tool Co. ("Armstrong" for Cutting Off & Grinding Tool Holder Cutters), 339 N Francisco av, Chicago, Ill.

3619a—Cutting (Oxy-Acetylene)

Bastian-Blessing Co., 240 E Ontario, Chicago, Ill.
See adv index at end of book
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book

3620— Cuttlefish Bone

American Trading Co., 25 Broad, N. Y.
McKesson & Robbins, 91 Fulton, New York
Riddle Chemical Co. Inc., 35 S Dearborn, Chicago, Ill.
See adv index at end of book
Sheldon G. W. & Co. (Importers), 8 Bridge, New York

3621— Cyanamid

American Cyanamid Co., 511 5th av, New York
Am. Nitrogen Products Co., Seattle, Wash.

3622— Cyanide

American Cyanamid Co., 511 5th av, New York
Barker Bros., Inc. (Copper), 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
Braun Corporation, 363 New High, Los Angeles, Cal.
BUCHANAN THOS. CO. THE, 114 W Pearl, Cincinnati, O.
See adv index at end of book
California Cyanide Co. ("Calcyco"), Cudahy, Cal.
Cooper Chas. & Co., 194H Worth, New York
Cooper & Cooper Inc., 23H Cliff, New York
Fuerst Bros. & Co. (Imported), 2 Stone, New York
Griffiths K. F. & Co., 110 E 42nd, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
ROESSLER & HASSLACHER CHEMICAL CO. (Cyanide of Soda), 709 6th av, New York
See adv index at end of book
Scientific Laboratories Co., 2535 Broadway, Cleveland, O.
Wiarda John C. & Co. ("Chloride Mixture), 83 Provost, Brooklyn, N. Y.
See adv index at end of book

3623— Cyanide Plants

Allis-Chalmers Mfg. Co. (Gold & Silver Mining), Milwaukee, Wis.
See adv index at end of book
American Schaeffer & Budenberg Corp., Berry & S. 5th, Brooklyn, N. Y.
See adv index at end of book
Arizona & Sonora Mfg. Co., Nogales, Ariz.
Chalmers-Williams Mfg. Co., 1461 Arnold, Chicago Heights, Ill.
Colorado Iron Works Co. ("Rothwell," Continuous Thickener & Filter, etc), Denver, Colo.
Continental Pipe Mfg. Co., 4519 14th av N W, Seattle, Wash.
Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.
KENNEDY VAN SAUN MFG. & ENG. CORP., 50 Church, New York
See adv index at end of book
Llewellyn Iron Works, Los Angeles, Cal.
Merrill Co., 121 2d, San Francisco, Cal.
National Tank & Pipe Co. ("National Quality"), 170 Columbia blvd, Portland, Ore. *See adv index at end of book*
Pacific Tank & Pipe Co., 320 Market, San Francisco, Cal.
Redwood Manufacturers Co. (Cal. Redwood), Hobart bldg, San Francisco, Cal.
Stearns-Roger Mfg. Co., 1720 Calif., Denver, Colo.
Traylor Engineering & Mfg. Co., Allentown, Pa.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Worthington Pump & Machy. Corp., 115 B'way, New York
Zimmerman Process Syndicate (Chemical Process), 221 E. 28th N., Portland, Ore.

Cycles (Railway)

See Cars, Velocipede

3623a— *Cyclometers

See also Indicators, Speed

NEW DEPARTURE MFG. CO. ("New Departure" for Bicycles), Bristol, Conn. *See adv index at end of book*
Veeder Mfg. Co. ("Veeder"), Hartford **Conn.**

3624— Cylinder (Re-Boring)

Dunn J. Edward, Co. ("Dunn" Tools for Engine), 9 Bethume, New York.
Fritz Geo. J. Foundry & Machine Co., 2018 S 3d, St. Louis, Mo.
Gould Balance Valve Co., Kellogg, Ia.
Manitowoc Shipbuilding Co., Manitowoc, Wis.
Mathews Hugh, 433 W 5th, Kansas City, Mo.
Murray Iron Works Co., Central av & Washington, Burlington, Ia.
Renton Wm., 101 Water, Pittsburgh Pa.
Rooksby E. J. & Co., 435 N 11th, Phila., Pa.
Ruwell W. F., 719 Noble, Phila., Pa.
Schiller, Nolan & Co., Darien & Wood, Phila., Pa.
Standard Gas Engine Co. "Hubaco"), Dennison & King, Oakland, Cal.
Trindl Co. ("Trindl"), Wabash av, at 29th, Chicago, Ill.
UNDERWOOD H. B. CORP., 1025 Hamilton, Phila., Pa.
Universal Machine & Tool Co., 601 Mahoning rd N E. Canton, Ohio
Universal Tool Co., Inc., Garwood, N. J.
Wegner Machine Co., 78 Main, Buffalo, N. Y.

3625—Cylinder & Tank Shells

American Welding Co., Carbondale, Pa.
BIGGS BOILER WORKS CO., Case av & William, Akron, O.
See adv index at end of book
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Columbiana Boiler Co., Columbiana, O.
Commercial Shearing & Stamping Co., Youngstown, Ohio
CRAINE SILO CO., INC., 27 Sheldon, Norwich, N. Y.
See adv index at end of book
Davis J. F. & Sons Co., 1122-3-4 Harris Trust bldg, Chicago, Il.
DOVER BOILER WORKS, Sales Offices: **N. J.** *See adv index at end of book*
Freeman Mfg. Co., Racine, Wis.
See adv index at end of book
Graver Corp., 4020 Todd av, E. Chicago, Ind. *See adv index at end of book*
Heltzel Steel Form & Iron Co. (The), Warren, Ohio *See adv index at end of book*
Johnson & Thompson, Birmingham, Ala.
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Lancaster Iron Works, Lancaster, Pa.
Leslie, Elliott & Co., Paterson, N. J.
McNeil Boiler Co., 96 Crozier, Akron, O.
Manitowoc Engng Works, Manitowoc, Wis.
Petroleum Iron Works Co. of Ohio, Sharon, Pa. *See adv index at end of book*
Rajo Motor Co. ("Rajor" for Fords), 1363 Racine, Racine, Wis.
SCAIFE WM. B. & SONS CO., First Nat'l Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
Smith Samuel & Son Co., Paterson, N. J.
Standard Cement Construction Co., Inc. ("Standard"), Castle Hayne rd, Wilmington, N. C.
Tippett & Wood, Phillipsburg, N. J.
Treadwell M. H. Co. of Illinois, 208 S La Salle, Chicago, Ill.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Warren City Tank & Boiler Co., Warren, O.
See adv index at end of book

3625a—Cylinders (Acetylene)

PREST-O-LITE CO., INC., THE (Truck Lighting), 30 E 42nd, New York
PRESSED STEEL TANK CO., 58th & Greenfield av, West Allis, Milwaukee, Wis.
See adv index at end of book

HACKNEY Seamless Steel Acetylene Cylinders
Comply with I.C.C. Specifications No. 8. Made in all commercial sizes.
Blue Prints and data on request.
PRESSED STEEL TANK CO.
West Allis Milwaukee, Wis.

Scaife Wm. B. & Sons Co., First National Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Wharton Wm. Jr. & Co. Inc., Easton, Pa.

3626— Cylinders (Air)

DEMING CO., Salem, O.
See adv index at end of book
PRESSED STEEL TANK CO. (Storage, High Pressure), 58th & Greenfield av, West Allis, Milwaukee, Wis.
See adv index at end of book
S. P. Manufacturing Co., 872 E 72d, Cleveland, O.
Scaife Wm. B. Sons Co., 1st Natl Bank bldg, Pittsburgh, Pa. & 26 Cortlandt, New York *See adv index at end of book*

3627—Cylinders (Air Compressor)

See also Cylinders, Carbonic Acid Gas

Scaife Wm. B. & Sons Co., First National Bank bldg, Pittsburgh, Pa.
See adv index at end of book

3628— Cylinders (Ammonia)

Manitowoc Engng Works, Manitowoc, Wis.
National Tube Co. ("Shelby"), Seamless Steel), Frick bldg, Pittsburgh, Pa.
SCAIFE WM. B. & SONS CO., First Nat'l Bank bld, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
Wharton Wm. Jr. & Co. Inc., Easton, Pa.

3629—Cylinders (Artesian Well)

AMERICAN WELL WORKS, Aurora, Ill.
See adv index at end of book
Barnes Mfg. Co., 700H N Main, Mansfield, O.
Chicago Well Supply Co. (Brass), 232 W Ontario, Chicago, Ill.
Clark Keefe & Co., 1301 Larrabee, Chicago, Ill.
DEMING CO. (Brass), Salem, O.
See adv index at end of book
Fairbanks, Morse & Co. (Single & Double Acting), 900 S Wabash av, Chicago, Ill.
Flint & Walling Mfg. Co. ("Hoosier" Double Acting), Kendallville, Ind.
Guarantee Engineering & Machine Co. ("G. E. M. Co.," Single & Double Acting), 1001 N Main, Los Angeles, Cal.
Hough Chas. N. Mfg. Co. (Cast Iron Seamless Cold Drawn Steel & Seamless Brass), Franklin, Pa.
Humphryes Mfg. Co. (Brass), Mansfield, O.
Keystone Driller Co., Beaver Falls, Pa.
See adv index at end of book
Mark Mfg. Co., Evanston, Ill.
Myers F. E. & Bro., 950 Orange, Ashland, Ohio
National Tube Co., Frick bldg, Pittsburgh, Pa.
See adv index at end of book
Rumsey Pump Co. (Ltd.), P. O. Box J, Seneca Falls, N. Y.
See adv index at end of book
San Antonio Machine & Supply Co. ("Samsca" Duplex), San Antonio, Tex.
San Diego Machine Co., San Diego, Cal.
Texas Mfg. Co., Fort Worth, Tex.

3630—Cylinders (Blowing Engine)

Weimer Machine Works Co. ("Weimer"), Lebanon, Pa.

3631— Cylinders (Brass)

DEMING CO., Salem, O.
See adv index at end of book
San Diego Machine Co., San Diego, Cal.
Zeigler Mfg. Co., Alexandria, Ind.

3631a—*Cylinders (Brass & Glass Valve)

Myers F. E. & Bro., 950 Orange, Ashland, Ohio
See adv index at end of book

Cylinders (Brick Hardening)

See Cylinders, Hardening

Cylinders (Caisson)

See Caissons, Sheet Steel

3632-3—*Cylinders (Calcium Light)

SCAIFE WM. B. & SONS CO., First Nat'l Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book

3634—Cylinders (Carbonic Acid Gas)

Ballwood Co., The, 30 Church, New York
Elyria Machine Co., Elyria, O.
Harrisburg Pipe & Pipe Bending Co. (Seamless), Herr, nr 10th, Harrisburg, Pa.
Kellogg M. W. Co., 90 West, New York
See adv index at end of book
National Tube Co. ("Shelby'' Seamless Steel), Frick bldg, Pittsburgh, Pa.
SCAIFE WM. B. & SONS CO., First Nat'l Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
Wharton Wm. Jr. & Co. Inc., Easton, Pa.

3635— Cylinders (Cast Iron)

Barnes Mfg Co., 700H N Main, Mansfield, O.
Bethlehem Fdry. & Machine Co. (For Chemical Works, etc), South Bethlehem, Pa.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Brunner Machinery Co., Peru, Ill.
BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Cooper C. & G. Co., Mt. Vernon, O.
Hough Chas. N. Mfg. Co. (For Artesian Oil Wells), Franklin, Pa.
Interstate Foundry Co., E 61st & Erie R. R., Cleveland, O.
Kutztown Foundry & Machine Co., 1421 Chestnut, Phila., Pa.
See adv index at end of book
Manufactures' Fdry Co. (For Auto), Waterbury, Conn.
Marion Machine Foundry & Supply Co., Marion, Ind.
Martin A. E. Foundry & Machine Co., 705 Park, Milwaukee, Wis.
Myers F. E. & Bro. (Brass & Brass Lined), 950 Orange, Ashland, O.
See adv index at end of book
Parker-Street Castings Co., P. O. Station D, Cleveland, Ohio
Sumner Iron Wks. (Air & Steam), Everett, Wash.
United States Cast Iron Pipe & Foundry Co. (Large), Burlington, N. J.
Waterbury Castings Co., Waterbury, Conn.
Western Gas Construction Co., 1431 Buchahan, Ft. Wayne, Ind.
Wisconsin Cylinder Foundry Co., Racine, Wis.

Cylinders (Cement)

See Tanks & Cylinders, Cement

3636—Cylinders (Creosoting)

American Welding Co., Carbondale, Pa.
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Blaw-Knox Co., Freeport rd., Hoboken, **Pa.**
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Coatesville Boiler Works, 111 S 5th av, Philadelphia, Pa.
Cole R. D. Mfg. Co., Newman, Ga.
Columbiana Boiler Co., Columbiana, O.
Connery & Co., Inc., 4000 2nd, Phila., Pa.
See adv index at end of book
Dover Boiler Works, Sales Offices: 40 **Church, New York. Works: Dover,** N. J. *See adv index at end of book*
Freeman Mfg. Co., Racine, Wis.
See adv index at end of book
Heggie James G. & Sons, Joliet, Ill.
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Johnson & Thompson, Birmingham, Ala.
Kittoe Boiler & Tank Co., Inc., Canton, O.
Littleford Bros., 444 E Pearl, Cincinnati, O.
See adv index at end of book
McNamara Bros. Co., Westport, Baltimore, Md.
McNeil Boiler Co., 96 Crozier, Akron, O.
McNeil Jas. & Bros. Co., Pittsburgh, Pa.
Manitowoc Engineering Works, Manitowoc, Wis.
Petroleum Iron Works Co. of Ohio, Sharon, Pa.
See adv index at end of book
REEVES BROS. CO., THE, Alliance, O.
See adv index at end of book
Smith Samuel & Son Co., Paterson, N. J.
Struthers-Wells, Warren, Pa.
Treadwell Constr. Co., Midland, Pa.
Treadwell M. H. Co. of Illinois., 208 S La Salle, Chicago, Ill.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

Cylinders (Deep Well)

See Cylinders, Artesian Well

3637—Cylinders (Gasoline Engine)

Bessemer Foundry Co., Grove City, Pa.
Frontier Iron Works, 36 Letchworth, Buffalo, N. Y.
Fulton Iron Works Co., 1259 Delaware av, St. Louis, Mo.
Interstate Foundry Co, East 61st & Erie R. R. Cleveland, O.
McQuay-Norris Mfg. Co. of Ind., Connersville, Ind.
Marion Machine Foundry & Supply Co., Marion, Ind.
Moore Sam'l L. & Sons (Marine & Stationary), Elizabeth, N. J.
Pequonnock Foundry, Bridgeport, Conn.

3638— Cylinders (Glass)

Corning Glass Works, Corning, N. Y.
Friedrich & Dimmock,, Millville, N. J.
McLaughlin Glass Co., 1900 E 52d, Los Angeles, Cal.
Pairpoint Corporation, New Bedford, Mass.

3638a— Cylinders (Grinding)

A. M. Machine Works, 25 N May, Chicago, Ill.
Abbe Engng Co., 38 Church, New York
See adv index at end of book
Bartlett C. O. & Snow Co., French, Cleveland, O. *See adv index at end of book*
New Haven Machine Co., 157H Orange av, New Haven, Conn.
Patterson Fdry & Mach. Co., E. Liverpool, O.

3639— Cylinders (Hardening)

American Clay Machinery Co., Bucyrus, O.
Atlas Car & Mfg. Co. (For Sand, Lime, Brick Plants, etc), Cleveland, O.
See adv index at end of book
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Columbiana Boiler Co., Columbiana, O.
Dover Boiler Works. Sales Office: 40 Church, N. Y. Works: Dover, N. J.
See adv index at end of book
Freeman Mfg. Co. (Brick), Racine, Wis.
See adv index at end of book
Heggie James G. & Sons, Joliet, Ill.
Jackson & Church Co. (Brick), Saginaw, Mich.
Manitowoc Engineering Works, Manitowoc, Wis.
Reeves Bros. Co. The, Alliance, Ohio.
See adv index at end of book
Struthers-Wells Co. (Brick Hardening), Warren, Po.
Treadwell Construction Co., Midland, Pa.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.

3640— Cylinders (Hydraulic)

AMERICAN HOLLOW BORING CO., 1055 W. 19th, Erie, Pa.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Columbiana Boiler Co., Columbiana, O.
Connery & Co., Inc., 4000 2nd, Phila., Pa.
See adv index at end of book
East Jersey Pipe Corp. (High Pressure), Paterson, N. J.
French Oil Mill Machinery Co., Piqua, O.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Houston Car Wheel & Machine Co., Houston, Tex.
Kellogg M. W. Co., 90 West, New York
See adv index at end of book
Manitowoc Engineering Works, Manitowoc, Wis.
National Tube Co. ("Shelby" Seamless Steel Tubing, Frick bldg, Pittsburgh, Pa.
Reeves Bros. Co., Alliance, Ohio.
See adv index at end of book
SCAIFE WM. B. & SONS CO., First Nat'l Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
Treadwell Construction Co., Midland, Pa.
Western Pipe & Steel Co., San Francisco, Cal.

3641 — Cylinders (Hydro-Pneumatic)

DEMING CO., Salem, O.
See adv index at end of book
Myers F. E. & Bro., 950 Orange, Ashland, Ohio
See adv index at end of book
Scaife Wm. B. & Sons Co., First National Bank bldg, Pittsburgh, Pa.
See adv index at end of book

3642—Cylinders (Hydrogen, Oxygen & Chlorine)

Elyria Machine Co., Elyria, O.
Federal Pressed Steel Co., Keefe av & N Pierce, Milwaukee, Wis.
HARRISBURG PIPE & PIPE BENDING CO. (Seamless), Herr nr. 10th, Harrisburg, Pa.
International Oxygen Co. (dirs), 796 Frelinghuysen av. Newark, N. J.
Kellogg M. W. Co., 90 West, New York
See adv index at end of book
Mac Leod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Manitowoc Engineering Works (Storage), Manitowoc, Wis.
National Tube Co. ("Shelby" Seamless), Frick bldg, Pittsburgh, Pa.
PRESSED STEEL TANK CO., 58th & Greenfield av, West Allis, Milwaukee, Wis.
See adv index at end of book
SCAIFE WM. B. & SONS CO., First Nat'l Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
Wharton Wm. Jr. & Co. Inc., Easton, Pa.

3643— Cylinders (Irrigating)

DEMING CO. (Wind Mill), Salem, O.
See adv index at end of book
San Diego Machine Co., San Diego, Cal.

3644—Cylinders (Lard Cooling)

Allbright-Nell Co., 5315 Western av, Chicago, Ill.
Brecht Co., 1201 Cass av, St. Louis, Mo.
Devine J. P. Co., Buffalo, N. Y.

3645— Cylinders (Pump)

Baker Mfg. Co. ("Monitor"), Evansville, Wis.
Barnes Mfg. Co., 700H N Main, Mansfield, O.
DEMING CO., Salem, O.
See adv index at end of book
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Goulds Mfg. Co., Seneca Falls, N. Y.
See adv index at end of book

(Continued on following page)

Cylinders (Pump)—Continued

Guarantee Engng. & Mach. Co. ("G. E. M. Co."), 1001H N Main, Los Angeles, Cal.
Hayes Pump & Planter Co., Galva, Ill.
Humphryes Mfg. Co. (Brass & Brass Lined), Mansfield, O.
Keystone Driller Co., Beaver Falls, Pa.
See adv index at end of book
Los Angeles Pump & Supply Co. ("Lapasco" Deep Well), 511 E 11th, Los Angeles, Cal.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
Midland Brass Works (For Wells), Dept. H, Fort Worth, Texas
MYERS F. E. & BRO. (Brass & Spool Valve), 950 Orange, Ashland, O.
See adv index at end of book
Red Cross Mfg. Co., Bluffton, Ind.
Red Jacket Mfg. Co. ("So-Easy-To-Fix," "Never Fail"), East 3d, Davenport, Ia.
San Diego Machine Co., San Diego, Cal.
Trahern Pump Co., Rockford, Ill.
U. S. Wind & Engine Pump Co., Water, Batavia, Ill.

3646—Cylinders (Rock Drill)

Interstate Foundry Co., East 61st & Erie R R, Cleveland, O.

3647—Cylinders (Rotary Drying)

American Process Co., 68 William, New York
BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.
Columbiana Boiler Co., Columbiana, O.
Cummer F. D. & Son Co., H, Hanna bldg, Cleveland, O.
DOVER BOILER WORKS. Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Freeman Mfg. Co., Racine, Wis.
See adv index at end of book
Manitowoc Engineering Works, Manitowoc, Wis.
Reeves Bros. Co., Alliance, O.
See adv index at end of book
Treadwell Construction Co., Midland, Pa.
Treadwell M. H. Co. of Illinois, 208 S La Salle, Chicago, Ill.
Turl Iron & Car Co., Inc., The, 50 Broad, New York; Works: Newburgh, N. Y.

3648— Cylinders (Tin)

Allenson Bros., 9 Steeple, Providence, R. I.
Getchell Seth S. & Son, Woonsocket, R. I.
Hill James Mfg. Co., 56 Westfield, Providence, R. I.
New England Ventilating & Heating Co., 926 Manton av, Providence, R. I.
Plews R. Mfg. Co., Central Falls, R. I.

3649— Cylinders (Vanadium)

Capitol Foundry Co., The Faience (Automobile, etc.), Hartford, Conn.
DuBois Foundry Co. (Small), Cold Spring, N. Y.
Manufacturers Foundry Co. (Automobile, etc), Waterbury, Conn.
Perkins Henry Co. (Automobile & Motor Cycle), Bridgewater, Mass.

3650—Cylinders (Vulcanizing)

American Welding Co., Carbondale, Pa.
Manitowoc Engineering Works, Manitowoc, Wis.
New Haven Boiler Works, Inc., 37 Mill, New Haven, Conn.

3651— Cylinders (Welded)

AMERICAN SPIRAL PIPE WORKS (Forged Welded), Box 435, Chicago, Ill. & 50 Church, New York
See adv index at end of book
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
Brunner Machinery Co., Peru, Ill.
Continental Iron Works, West & Calyer, Brooklyn, N. Y.
Kellogg M. W. Co., 90 West, New York
See adv index at end of book
Manitowoc Engineering Works, Manitowoc, Wis.
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York.
See adv index at end of book

3652—Cylinders (White Porous Clay)

Maddock John & Sons, Trenton, N J.

3653-4—Cylinders (Wooden)

Bogert & Hopper, Inc., 57 Barclay, N. Y.
See adv index at end of book
Eagle Tank Co., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
ESTES E. B. & SONS, 364 5th av, New York. *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. See *adv index at end of book*

3655-6—Cylinders & Tanks (Seamless Steel)

Barnard & Leas Mfg. Co. ("Barnard Cornwall," "Little Victor," "Victors"), 403 20th, Moline, Ill.
Federal Pressed Steel Co. (Cold Drawn), Keefe av & N Pierce, Milwaukee, Wis.
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
HARRISBURG PIPE & PIPE BENDING CO. (For High Pressure Gases), Herr nr. 10th, Harrisburg, Pa.
Manitowoc Engineering Works, Manitowoc, Wis.
PRESSED STEEL TANK CO., 58th & Greenfield av, West Allis, Milwaukee, Wis.
See adv index at end of book
WHARTON WM. JR. CO. INC., Easton, Pa.
Wilcox W. W. Co., 1735 Armitage av, Chicago, Ill.
Zeigler Mfg. Co., Alexandria, Ind.

3657—Dabbers (Metallic, Automatic)

Tillotson Humidifier Co. ("Greenwood" for Noble Combs), 78 Fountain, Providence, R. I.

3658—Dairy Apparatus & Supplies

(Names with * also manufacture Monel Metal)

See also Specific Article Required

*Arnold & Brother, A. H., 710 W Jackson blvd, Chicago, Ill.
*Automat Molding & Folding Co., Toledo, O.
Barber A. H. Goodhue, 300-06 W. Austin av, Chicago, Ill.
*Behringer E. Sheet Metal Works, Inc., Newark, N. J.
*Berry Machinery Co., San Jose, Cal.
Blanke Mfg. & Supply Co., 3rd & Wash'n av, St. Louis, Mo.
*Burrell & Co., D. H., Little Falls, N. Y.
Burrell D. H. & Co., Little Falls, N. Y.
Cesco Creamery Supply Co., 52 W Kinzie, Chicago, Ill.
Cherry J. G. Co., Cedar Rapids, Iowa
Clinton Mfg. Co., Clinton, Wis.
*Clothel Refrigerating Co., 61 Broadway, New York
Crane Co., 836 S. Michigan av, Chicago, Ill.
See adv index at end of book
*Cream Production Co., Port Huron, Mich.
Creamery Package Mfg. Co., 61 W Kinzie, Chicago, Ill.
*Dairy Machinery & Equipment Co., Derby, Conn.
*Davidson Mfg. Co., Ltd., Thos., 187 Delisle, Montreal, Can.
*Davies J. W., Boston, Mass.
Davis-Watkins Dairymen's Mfg. Co., 710 W Jackson blvd, Chicago, Ill.
Dobson Mfg. Co., Rockford, Ill.
*Doering C. & Son Co., 1375 W Lake, Chicago, Ill.
*Furman Engineering Corp., 30 Church, New York
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Gowing Dietrich Co., 207 W Water, Syracuse, N. Y.
*Heulett Palmer B., 163 Belvedere, San Francisco, Cal.
Hunt, Helm, Ferris & Co., Harvard, Ill.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall st, New York. (See insert under Monel Metal)
See adv index at end of book
*Koven & Bro., L. O., 154 Ogden av, Jersey City, N. J.
*Liberty Coppersmithing Co., Phila., Pa.
Manning Mfg. Co., Rutland, Vt.
*Manton-Gaulin Mfg. Co., Boston, Mass.
Mast Foos & Co. (Dairy Barn Equipment) Springfield, Ohio.
*Miller Industries Co., The H. H., Canton, O.
*Mojonnier Bros. Co., 739 W Jackson blvd, Chicago, Ill.
National Dairy Equipment Co. Inc., 306 Broad, Utica, N. Y.
Oakes & Burger Co., Cattaraugus, N. Y.
Official Mfg. Co., La Crosse, Wis.
*Pine Tree Milking Machine Co., 2843 W 19th, Chicago, Ill.
*Popper Cutter Co., 90 W Broadway, New York
Rawles Jas. D. Co. (Sanitary Fittings), 113 Broad, Boston, Mass.
*Ray Mfg. Co., George A., Buffalo, N. Y.
Reinhold & Meyer Mfg. Co., Plymouth, Wis.
Sharples Milker Co. (Milking Machines Only), West Chester, Pa.
Sharples Separator Co., West Chester, Pa.
*Sholes, Inc., 186 Lafayette, New York
Steele H. R., 214 W King, Alexandria, Va.
Thatcher Mfg. Co., Elmira, N. Y.
Vermont Farm Machine Co. ("Skimer," "V. F. M.," "Philadelphia," "Eureka"), Bellows Falls, Vt.
Weber O. J. Co., 759 S. Los Angeles, Los Angeles, Cal.
Western Dairy Supply Co., 729 E. Washington, Los Angeles, Cal.
*Wisner Mfg. Co., 241 W Broadway, New York
Wright R. G. & Co., 98 Eagle, Buffalo, N. Y.

Damar Gum Importers

See Varnish Gums

3659— Damasks (Cotton)

Avon Mills Co., (Toweling & Table), Lewiston, Me.
Blair Mills, Belton, S. C.
California Cotton Mills Co., Oakland, Cal.
Hewett C. G., Unity & Leiper, Phila., Pa.
Huss Mfg. Co. (Table), Bessemer City, N. C.
Irene Mills (Table), Gaffney, S. C.
Kincaid Mfg. Co. (Toweling), Griffin, Ga.
Pauline Mills (Table), Kings Mountain, N. C.
Pepperton Cotton Mills (Toweling), Jackson, Ga.
Renfrew Mfg. Co. (Table), Adams, Mass.
Spencer Mountain Mills (Bleached Toweling & Mercerized Table), Lowell, N. C.
Woodside Cotton Mills Co., Greenville, S. C.
Woodstock Cotton Mills (Table), Anniston, Ala.

3660— Damp Course

See also Waterproofing Materials

Barrett Co., 17 Battery pl, New York
Simpson Bros. Corp., 77 Summer, Boston, Mass.
Standard Paint Co. (Ru-ber-Oid), 232 Broadway, New York
Trinidad Asphalt Mfg. Co., Title Guaranty Trust bldg, St. Louis, Mo.
Vulcanite Roofing Co. ("Plasterite"), Military rd & City Line, Beaver rd, Buffalo, N. Y.

Damp Proofing Compounds

See Waterproofing Materials

3661— Dampers (Coke Oven)

Helmick Foundry & Machine Co., Fairmont, W. Va.

3662—Dampers (Fireplace, Etc.)

Adams Co. ("Hirds" Dome), Dubuque, Ia.
Colonial Fireplace Co. ("Colonial" & "Myers"), 4619H Roosevelt rd, Chicago, Ill.
COVERT H. W. CO. ("Covert" Throat), 137 E 46th, New York
DONLEY BROS. CO. (THE), 13935 Miles av, Cleveland, O.
See adv index at end of book
Grath-Cage Fireplace Damper & Heater Co. ("Grath"), 1040 S Broadway, Los Angeles, Cal.
JACKSON EDWIN A. & BRO. (Inc.) (Dome Slide & Ratchet, etc), 50 Beekman, New York
See adv index at end of book
Jardine Walter S. & Sons Co. ("Jardine" Throat), 29 Central, Arlington Heights, Mass.
Kramer Bros. Foundry Co. ("Kramer" Dome), 55 Dell, Dayton, O.
Metal Products Corp., 49 Chestnut, Weehawken, N. J.
Milford Iron Foundry, Milford, Mass.
Peerless Mfg. Co. ("Peerless"), Louisville, Ky.
Puget Sound Sheet Metal Works, 3631 E Marginal Way, Seattle, Wash.
Richardson E. H., 77H O'Farrell, San Francisco, Cal.
Stover Mfg. & Engine Co. ("Stover"), Freeport, Ill.

3663— Dampers (Flue)

Athol Mach. & Foundry Co. ("Premier" & "A. MC"), Athol, Mass.
Pratt Engineering & Machine Co. (For Chemical Works), Atlanta, Ga.

3664—Dampers (For Forced Draft)

Buffalo Forge Co., 490 Broadway, Buffalo, N. Y.
York Heating & Ventilating Corp. (Quadrant), Mill, Bridgeport, Pa.

3665— Dampers (Stove Pipe)

Adams Co. ("Diamond"), Dubuque, Ia.
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Arcade Mfg. Co. ("Arcade"), Freeport, Ill.
Arnold Damper (Inc.), ("Arnold"), Goshen, Ind.
Cheney S. & Son, Manlius, N. Y.
Crunden Martin Mfg. Co., 3d & Gratiot, St. Louis Mo.
Detroit Register Co. ("Yankee"), 580 W Jefferson av, Detroit, Mich.
Devlin Thos Mfg. Co., 3d & Lehigh avs, Phila., Pa.
Doody Vapor Heating Co., 46 Cornhill, Boston, Mass.
Gray Iron Foundry Co. (Cast Iron, Spring Handle, etc), Reading, Pa.
Grey Iron Casting Co. (Hot Air), Mt. Joy, Pa.
Griswold Mfg. Co. ("Griswold" Reversible), 12th & Raspberry, Erie, Pa.

Hood Furnace & Supply Co. ("Hood" Combination & Check Draft), Corning, N. Y.
Klauer Mfg. Co. ("Star"), Dubuque, Ia.
Republic Metalware Co., 100 Alabama, Buffalo, N. Y.
Sayre Stamping Co. ("Uncle Sam"), Sayre, Pa.
Stover Mfg. & Engine Co. ("Ideal" & "Stover"), Freeport, Ill.
Taylor & Boggis Foundry Co., Cleveland, Ohio
Wheeling Corrugating Co. ("Wheeling"), Wheeling, W. Va.
Williams A. C. Co., Ravenna, O.
Wrightsville Hardware Co. ("Brighton"), Wrightsville, Pa.

3665a— Dams (Soil)

Chattanooga Sewer Pipe Works, W 11th & Cross, Chattanooga, Tenn.
Columbus Sewer Pipe Co., Columbus, Ga.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Macomb Sewer Pipe Works, Macomb, Ill.
Macon Sewer Pipe Works, Macon, Ga.
Ogden Sewer Pipe & Clay Co., Ogden, Utah
San Antonio Sewer Pipe Works, San Antonio, Texas
Southern Sewer Pipe Works, Birmingham, Ala.
Standard Sewer Pipe Works, Rome, Ga.
Texarkana Pipe Works, Texarkana, Texas

3666—*Darners (Stocking & Glove)

BOGERT & HOPPER, INC. (Wood), 57 Barclay, New York.
See adv index at end of book
ESTES E. B. & SONS, 364 5th av, New York. *See adv index at end of book*

3666a— Darts (Air Gun)

See also Ammunition
Quackenbush H. M., Herkimer, N. Y.

3667— Dashes (Automobile)

Aluminum Company of America, 2301 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book
Columbus Auto Brass Co. (Metal), 769 N 4th, Columbus, O.
Douglas & Lomason Co., 5836 Lincoln av, Detroit, Mich.
Hanson-Ward Veneer Co. (Wood), Bay City, Mich.
Hayes Mfg. Co. (Metal), 480 Maybury, Detroit, Mich.
Hotchkiss Steel Foundry Co., Inc. (Steel Truck), Binghamton, N. Y.
Kahler Co. (Wood), New Albany, Ind.
Morrison Steel Products Inc., 26 E North, Buffalo, N. Y.
Parish Mfg. Co. (Pressed Steel), South Paris, Me.
Todd Mfg. Co., 14 N 12th, Minnesota, Minn.
Zeigler Mfg. Co., Alexandria, Ind.

3668— Dashes (Carriage)

Kroh C. Z. Mfg. Co., Toledo, O.
McKinnon Dash Co., 252 Amherst, Buffalo, N. Y.

3669— Dashes (Screen)

Erdle Perforating Co., 181 York, Rochester, N. Y. *See adv index at end of book*
Woodruff Walter W. & Sons Co., Mt. Carmel, Conn.

3670— Dashes (Sleigh)

Searls Mfg. Co. (Screens), 29 Mulberry, Newark, N. J.

3671— Davits (Ship)

American Balsa Co., Inc. (Mechanical), 50 E 42d, New York
Steward Davit & Equipment Corp., 17 Battery Pl, New York
Wilcox, Crittenden & Co., Inc. (& Anchor), 444 S Main, Middletown, Conn.
See adv index at end of book
Williams & Wells Co., 253 Fulton, New York. *See adv index at end of book*

3671a—Deadlocks for Shipping Tags

Campbell Paper Box Co., South Bend, Ind.
Campbell Wire Specialty Co., South Bend, Ind.

3671a—Decalcomania (Transfer)

Brown-Sinramm Co., 1 W 34th, New York
COMMERFORD CO., 102 E 19th, New York
See adv index at end of book

QUICK DELIVERY—LOW PRICES
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Guaranteed Quality
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Self Affixing Name Plates, Signs, Etc.
THE COMMERFORD CO.
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DECALCO LITHO CO., 615H Newark, Hoboken, N. J.
Decalcomania Co., 20 W Jackson blvd, Chicago, Ill.
Globe Decalcomania Co., 263 Sussex, Newark, N. J.
Meyercord Co., Inc., Chamber of Commerce, Chicago, Ill.
NATIONAL DECALCOMANIA CO., 252 N 60th, Philadelphia, Pa.
See adv index at end of book

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THE OLDEST MANUFACTURERS OF DECALCOMANIAS IN AMERICA
Let Us Quote on Your Needs
National Decalcomania Corporation
252 North 60th Street, Philadelphia, Pa.

Palm Bros. Co., 20 W Jackson blvd, Chicago, Ill.
Palm Fechteler & Co., 67 5th av, New York
Towle F. S. Co. (Imp.), 332 Broadway, New York
Translucent Window Sign Co. (Imp.), 118 E 28th, New York

Decarbonizers

See Removers. Carbon

3671c—Decolorizers (Glass)

DRAKENFELD B. F. & CO., INC. (Mfr.), 50 Murray, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book

Decorations

Under this heading see Sub-classifications:
For other materials used for decorating, etc., see the following classifications in different parts of the book:
Capitals, Composition; Carvers, Stone; Carvers, Wood, Classic; Ceilings, Sheet Steel; Floors, Parquet; Glass Stainers; Grille, Fret & Lattice Work; Marble, Art (Scagliola), Marble Interior Work; Memorial Windows; Modelers & Sculptors, Architectural; Mosaics, Various Kinds; Mouldings, Various Kinds; Ornaments, Various Kinds; Papier Mache; Scenic Artists; Sheet Metal Borders, Friezes, etc; Stucco Work; Tiles, Various Kinds; Wall Finishes.

3672—Decorations (Carton Pierre)

Architectural Decorating Co., 1600 S Jefferson, Chicago, Ill.
Capital Decorating & Mfg. Co., 348-50 Hayes, San Francisco, Cal.
Decorators Supply Co., Archer av & Leo, Chicago, Ill.
Emmel Chas. & Rose Co., 383 Albany, Boston, Mass.
Emmel Co., 81 Bristol, Boston, Mass.
Seifert Frank A., Plastic Relief Co., 5139 Maple, St. Louis, Mo.

3673— Decorations (Church)

Capital Decorating & Mfg. Co., 348-50 Hayes, San Francisco, Cal.
Dolan W. J., 100 Boylston, Boston, Mass.
Geissler R., 56 W 8th, New York
Halbert Geo. & W., 33 Lafayette, Brooklyn, N. Y.
Lamb J. & R. (Inc), 25 6th av, New York
Raby, Hinton & Co., Mechanicsburg, Pa.
Righter & Kolb, 420 Madison av, New York
Tiffany Studios, Madison av & 45th, New York
Toledo Tap & Die Co., Clinton, Toledo, O.

3674—Decorations (Plastic Relief)

Architectural Decorating Co., 1600 S Jefferson, Chicago, Ill.
Capital Decorating & Mfg. Co., 348-50 Hayes, San Francisco, Cal.
Decorators' Supply Co., Archer av & Leo, Chicago, Ill.
Emmel Chas. & Rose Co., 383 Albany, Boston, Mass.
Emmel Co., 81 Bristol, Boston, Mass.
Forman Geo. A., 654 Gates av, Brooklyn, N. Y.
Klee-Thomson Co., 327 E 40th, New York
Milwaukee Ornamental Carving Co., 423 Poplar, Milwaukee, Wis.
National Plastic Relief Co., 907 Evans, Cincinnati, O.
Oakland Ornamental Compo Works, 3544 Custer, Oakland, Cal.
Righter & Kolb, 420 Madison av, New York
Seifert Frank A. Plastic Relief Co., 5139 Maple, St. Louis, Mo.
Voight Co., 1743-1749 N 12th, Phila., Pa.
Walter G. E., 157 E 44th, New York

3675—Decorations (Theatre)

Architectural Decorating Co., 1600 S Jefferson, Chicago, Ill.
Chicago Flag & Decorating Co., 1315 S Wabash av, Chicago, Ill.
Decorators' Supply Co., Archer ave & Leo, Chicago, Ill.
Emmel Chas. & Rose Co., 383 Albany, Boston, Mass.
Flagg Edwin H. Studios, 1638 Long Beach av, Los Angeles, Cal.
Halbert Geo. & W., 33 Lafayette, Brooklyn, N. Y.
Martin J. D. Scenic Co., 545 S Los Angeles, Los Angeles, Cal.
Monarch Theatre Supply Co., 724 S Wabash, Chicago, Ill.
National Plastic Relief Co., 907 Evans, Cincinnati, Ohio.
Righter & Kolb, 420 Madison av, New York
Seifert Frank A. Plastic Relief Co., 5139 Maple, St. Louis, Mo.
Story O. L. Scenic Co., Somerville, Mass.

3676—Decorative Art Leathers

Baldwin T. F., 65 W 46th, New York
Johnson Leather Co., 211 W 19th, New York
Righter & Kolb, 420 Madison av, New York
Zapon Leather Cloth Co. ("Zapon"), 247 Park av, New York

3677—Decorative Art Tapestries

Bodine-Spanjer Co., 1160 Chatham Court, Chicago, Ill.
Brounet Arthur, 1133 B'way, New York
Turner J. Spencer Co., 24 Thomas, New York

3678—Decorative Electric Lighting

Capital Decorating & Mfg. Co., 348-50 Hayes, San Francisco, Cal.
Diamond Electric Specialties Corp. ("Diamond"), 101 S Orange, Newark, N. J.
Elec'l Decorative Flower Co., 140 W 116th, New York
Fensterer & Ruhe (Sprays, Leaves), 37 Murray, New York
General Electric Co. ("Arborlux" Xmas Tree Lights Outfits), Schenectady, N. Y. *See adv index at end of book*
Gudeman & Co. (Flower Baskets, Christmas Tree Lighting Outfits), 30 Irving pl, New York
Interstate Electric Novelty Co. (Xmas Tree Outfits, etc), 60 Tillary, Brooklyn, N. Y.
McCandless H. W. & Co. (Xmas Tree Lighting Outfits), 150 Broadway, New York
Manhattan Electrical Supply Co. (Christmas Tree & Decorative), 17 Park pl, New York
National Plastic Relief Co. (Composition), 907 Evans, Cincinnati, Ohio
Propp M. Co., 524 Broadway, New York
Union Battery Co. (Xmas Tree Battery Lighting Outfits), Belleville, N. J.
Warren Walter G. & Co., 363 E Ohio, Chicago, Ill.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

3679—Decorators (Architectural)

Architectural Decorating Co., 1600 S Jefferson, Chicago, Ill.
Binner Theo., 423 14th, San Francisco, Cal.
Brounet Arthur, 1133 B'way, New York
Decorators' Supply Co., Archer av & Leo, Chicago, Ill.
Detroit Decorative Supply Co., 4240 14th, Detroit, Mich.
Emmel Chas. & Rose Co., 383 Albany, Boston, Mass.
Emmel Co., 81 Bristol, Boston, Mass.
Estey Bros. Co., 1006 Metropolitan av, Brooklyn, N. Y.
Jennens W. H., 2315 Harrison, Kansas City, Mo.
Klee-Thomson Co., 327 E 40th, New York
Lombard & Ludwig, 309 14th, N W, Washington, D. C.
Milwaukee Ornamental Carving Co., 423 Poplar, Milwaukee, Wis.
Righter & Kolb, 420 Madison av, New York
Schneider F. H., 631 W Belden av (Altar Builders, etc), Syracuse, N. Y.
Seifert Frank A. Plastic Relief Co., 5139 Maple, St. Louis, Mo.
Tugnarelli & Voigt Co., 1743 N 12th, Phila., Pa.

Decorators (Ecclesiastical)

See Decorations, Church

3680—Decorators & Painters (Mural)

Boyle Jno. Co., New Britain, Conn.
Geissler R., 56 W 8th, New York
Nelson W. P. Co., 614 S Michigan av, Chicago, Ill., & 130 W 29th, New York
Rambusch Decorating Co., 2 W 45th, New York
Weber Lind Co., 1832 Euclid, Cleveland, O.

3681— Decoys (Duck, Etc.)

Canvass Decoy Co. ("Acme" Pneumatic), Union City, Tenn.
ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*

(Continued on following page)

Decoys (Duck, Etc.)—Continued

Johnson Wm. R. & Co. ("Johnson's" Folding Paper), Seattle, Wash.
Specialty Mfg. Co. ("K. D."), 2362 University av, St. Paul, Minn.
Woodward Specialty Mfg. Co., Sacramento, Cal.

3682— Defecators

Blymyer Iron Works Co. ("Santa Clara"), Cincinnati, O.
Buffalo Steam Pump Co., Buffalo, N. Y.
Coatesville Boiler Works, 111 S 15th, Philadelphia, Pa.
Dover Boiler Works, 50 Church, New York
See adv index at end of book
Duncan Stewart & Co. Ltd., Export Dept., 43 Cedar, New York
Flynn W. S., 76 Hudson, Jersey City, N. J.
Gerdes & Co., 42 Church, New York
See adv index at end of book
Haubtman & Loeb Co., Ltd., 618 Magazine, New Orleans, La.
Joubert & Goslin Mach. & Fdry. Co., 800 N 35th, Birmingham, Ala.
Kilby Mfg. Co., 4623 Lakeside av, Cleveland, O.
Krajewski-Pesant Corp., 227 Fulton, New York
Murphy, Jno. H., Iron Works, 643 Magazine, New Orleans, La.
Pioneer Iron Works, 149 Pioneer, Brooklyn, N. Y.
Pusey & Jones, Wilmington, Del.
Squier, Geo. L. Mfg. Co. (Sugar), B'way and Mortimer, Buffalo, N. Y.
Tippett & Wood, Phillipsburg, N. J.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
Treadwell Co. M. H., 140 Cedar, New York
Turi Iron & Car Co. (Inc.), The, 50 Broad, New York. Works: Newburgh, N. Y.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.

3683—Deflectors (Auto-Light)

Art Metal Mfg. Co. ("Amco" Deflector), E 61st & Curtiss av, Cleveland, O.
Heinze Elec. Co. ("Ames" Deflector), Lowell, Mass.

3684—Deflectors (Car Heater)

Lord Mfg. Co., 105 W 40th, New York

3684a—*Deflectors (Exhaust)

Heitland Grate & Mantel Co. (For Open Fireplaces), 120 W 5th, Quincy, Ill.
WILCOX CRITTENDEN & CO. INC., 444 S Main, Middletown, Conn.
See adv index at end of book

3684b— Deflectors (Heat)

Knowles Mushroom Ventilator Co. ("Aisle Hood"), 202-204 Franklin, New York

3685— Degerminators

Barnard & Leas Mfg. Co. (Corn), 403 20th, Moline, Ill.
Beall Improvements Co., Inc. (Corn), Decatur, Ill.
Nordyke & Marmon Co. (Corn), Kentucky av & Morris, Indianapolis, Ind.
Robinson H. Mfg. Co., Muncy, Pa.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book

3686— Degras

Hummel & Robinson (Refined, Neutral & Common), 90 West, New York
Innis, Speiden & Co. Inc., 46 Cliff, New York
Klipstein A. & Co. (Imp.), 644 Greenwich, New York
Marden, Orth & Hastings Co., 136 Liberty, New York
Montgomery W. L. & Co. ("Arlington Mills"), 10 High, Boston, Mass.
National Oil Products Co., Harrison, N. J.
Pfaltz & Bauer ("Golden Fleece" Imported), 308 Pearl, New York
Standard Oil Co., 225 Bush, San Francisco, Cal.
Swan & Finch Co. (Imported), 522 5th av, New York
Young Frank L. Co. (Anchor & Merino), 111 Purchase, Boston, Mass.

3687— Degreasing

Grease & Oil Extracted from All Kinds of leather.
KUTZTOWN FOUNDRY & MACHINE CO. (Plants & Equipments for Degreasing), 1421 Chestnut, Phila., Pa.
See adv index at end of book
Printz Degreasing Co., 1001 Chestnut, Phila., Pa.
Woburn Degreasing Co., Woburn, Mass.

3688—*Degreasing Plants & Equipments

KUTZTOWN FOUNDRY & MACHINE CO., 1421 Chestnut, Phila., Pa.
See adv index at end of book

3689— Dehorners (Cattle)

Leavitt Mfg. Co. ("Leavitt," "H. H. Brown," "Newton & McGee"), Urbana, Ill.
Phillips Morris T. ("Keystone"), Pomeroy, Pa.
Pratt Wm. E. Mfg. Co. ("Perfect"), 35 W Lake, Chicago, Ill.
Rhodes Mfg. Co., Grand Rapids, Mich.
Ridgely Trimmer Co., Springfield, O.
Sayre L. A. Co. ("Calf"), 332 Mulberry Newark, N. J.

3689a— Dehumidifiers

American Blower Co., 6004 Russell, Detroit, Mich.
Atmospheric Conditioning Corp., Dept. H, Lafayette bldg, Phila., Pa.
BAYLEY MFG. CO. (Air), 66 Greenbush, Milwaukee, Wis.
Carrier Engineering Corp., 750 Frelinghuysen av, Newark, N. J.
Emmons Collins Mach. Co. (Small), Western Spring, Ill.
Fleisher W. L. & Co. Inc., 31 Union sq., W. New York
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
Triumph Ice Machine Co., Oakley, Cincinnati, O.

3689b— Dehydrators

(Names with * also manufacture Monel Metal)
*American Laundry Machinery Co. (Liners, Drums, Castings, Shafts), Cincinnati, O.
BARTLETT & SNOW CO., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Chapman F. C. ("Chapman Common Sense"), 1135 13th, Modesto, Cal.
*Cresson & Morris Co. (Liners), Phila., Pa.
*D'Olier Centrifugal Pump & Machine Co., 165 Broadway, New York
Drying Systems Inc. (Fruit and Vegetables), 11H S Desplanes, Chicago, Ill.
*Fletcher Works (Liners, Drums, Bands, Rings, Bottoms), Philadelphia, Pa.
*Haring & Stephens, Paterson, N. J.
Ideal Dehydrator Co., 948 Market San Francisco, Cal.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall st, New York. (See insert under Monel Metal)
See adv index at end of book
Lummus Walter E. Co., 171 Milk, Boston, Mass.
New York Central Iron Wks. Co., Inc., Dept. H, Hagerstown, Md.
Oliver Co., The, Lincoln av, San Jose, Cal.
Progressive Dehydrator Co., Loew bldg. San Francisco, Cal.
Rees Blow Pipe Mfg. Co. ("Progressive"), 340 7th, San Francisco, Cal., & 3636 S. Alameda, Los Angeles, Cal.
Ridley G. B., 255 California, San Francisco, Cal.
*Sharples Specialty Co., Philadelphia, Pa.
Smith Mfg. Co. Inc., Stockton & Alameda, San Jose, Cal.
*Tolhurst Machine Works (Liners, Bands), Troy, N. Y.
Triumph Ice Machine Co., Oakley, Cincinnati, O.
*Troy Laundry Machine Co., La Salle & 23rd, Chicago, Ill.
Zone Dehydrator, Co., 481 Forrest, Oakland, Cal.

3689c— Dehydrators (Oil, Centrifugal)

GLOBE MARINE ENGINE CO., 15 Whitehall, New York

3690—Delta Metal Bars & Plates

Phosphor Bronze Smelting Co., 2202 Washington av, Phila, Pa.

3691—Demagnetizers (Watch)

McDonald Elec. Co. ("South Bend," "Quick Action"), Chenoa, Ill.
Quick Action Magneto Co., South Bend, Ind.

3692— Demijohns

Boley B., Olean, N. Y.
Hawley Glass Co., Hawley, Pa.
Illinois Glass Co., Alton, Ill.
Illinois Pacific Glass Co., 15th & Folsom, San Francisco, Cal.
Robinson Clay Product Co. (Pottery), Akron, O.
Scott-Warman Glass Co., East Stroudsburg, Pa.
White Fred C. (Boxed "Twoplex"), 241 Water, New York

3693— Denims

Amoskeag Mfg. Co., Manchester, N. H.
Canton Cotton Mills (Blue Indigo), Canton, Ga.
Carhartt Hamilton Cotton Mills, Rock Hill, S. C.
Columbian Mfg. Co., Greenville, N. H.
Eagle & Phenix Mills, Columbus, Ga.
Erwin Cotton Mills Co., West Durham, N. C.
Everett Mills, 120 Franklin, Boston, Mass.
Falls Co., Norwich, Conn.
Hamburger Cotton Mills, Columbus, Ga.
Holt, Gant & Holt Cotton Mfg. Co., Elon College, N. C.
Imperial Cotton Mills Co., 1850 N Main, Los Angeles, Cal.
McAden Mills, McAdenville, N. C.
Massachusetts Cotton Mills, Lowell, Mass.
Oakland Mills, Taunton, Mass.
Pelham Mfg. Co., Pelham, Ga.
Pell City Mfg. Co. (Indigo), Pell City, Ala.
Pemberton Co., Lawrence, Mass.
Proximity Mfg. Co. (Indigo Blue), Greensboro, N. C.
Shetucket Co., Greenville, Conn.
Stonewall Cotton Mills, Stonewall, Miss.
Texas Cotton Mill Co., McKinney, Texas
Thorndike Co., Thorndike, Mass.
Tupelo Cotton Mills, Tupelo, Miss.
Uncasville Mfg. Co., Uncasville, Conn.
Walton Cotton Mill Co., Monroe, Ga.
Whitaker Wm. D., Cedar Grove, Phila., Pa.
White Bros., E. Jaffrey, N. H.
White N. D. & Sons, Winchendon Springs, Mass.
York Mfg. Co., Saco, Me.

3693a— Denitrators

Bethlehem Foundry & Machine Co., Bethlehem, Pa.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Kutztown Foundry & Machine Co., 1421 Chestnut, Phila., Pa.
See adv index at end of book
Thermal Syndicate, Ltd., 58 Schenectady av, New York

3693a1— Deodorizers (for Buildings, Factories, Houses, etc.)

United States Sanitary Specialties Corp., 435 S Western, Chicago, Ill.
WEST DISINFECTING CO. (Liquid, Flake & Solid), 411 5th av, New York *See adv index at end of book*

3693b— Deodorizers (Oil & Fat)

Allbright-Nell, 5323 Western blvd., Chicago, Ill.
Brecht Co., 1201 Cass av, St. Louis, Mo.
Huntington Chemical Co., Huntington, Ind.
Staddon Donald R. & Co., 104 John, N. Y.
West Disinfecting Co. ("Euchrelyptum" Lavatory Deodorizer), 411 5th av, New York *See adv index at end of book*

3694— Depilatories

Grasselli Chemical Co., Guardian bldg. Cleveland, O.

3694a—Depressors (Tongue)

BOGERT & HOPPER, INC. (Wood), 57 Barclay, New York.
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York.
See adv index at end of book
Nashua Spool & Bobbin Co. (White Pine), Haverhill National Bank bldg, Haverhill, Mass.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book

3695— Derailers (Car)

Cincinnati Frog & Switch Co., Madison rd & B. & O. R. R., Okley, Cincinnati, O.
Cleveland Frog & Crossing Co. ("Porter"), 6917 Bessemer av, Cleveland, O.
Hayes Track Appliance Co. ("Hayes" & Locomotive), Richmond, Ind.
Morden Frog & Crossing Works (Half Split), 208 S La Salle, Chicago, Ill.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Pneumatic Gate Co., 1921 S Fairfield av, Chicago, Ill.
Q. & C. Co., 90 West, New York
Railroad Supply Co. ("Chicago"), 203 S Dearborn, Chicago, Ill.
Ramapo Iron Works, Hillburn, N. Y.
St. Louis Frog & Switch Co., Chemical bldg. St. Louis, Mo.
Seattle Frog & Switch Co., Smith bldg., Seattle, Wash.
Track Specialties Co., Inc. ("Superior"), 2-4-6 Morris, New York

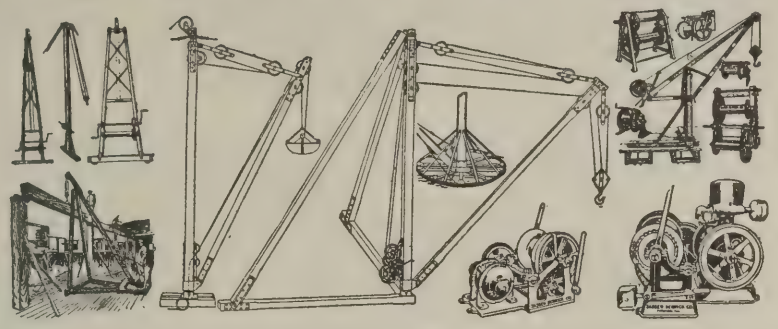
3695a— Derivatives (Coal Tar)

Barrett Co., 17 Battery pl, New York
Bayway Chemical Co., Elizabeth, N. J.
Butterworth-Judson Corp., 80 Church, New York
Hooker Electro Chemical Co., 25 Pine, New York
Hunnell & Co., 136 Liberty, New York
National Aniline & Chemical Co., Inc., 40 Rector, New York
Semet Solvay Co., Syracuse, N. Y.

3696—Derrick Irons & Fittings

American Hoist & Derrick Co., St. Paul, Minn.
Boland Machine & Mfg. Co. (Horse Power Machine and Slings), 1006 Tchoupitoulas, New Orleans, La.

SASGEN DERRICKS



We have a complete line of derricks and derrick fittings up to 15 ton capacity, made of crucible steel and malleable.

Sasgen Derrick Company
3000 Grand Avenue, Chicago, Ill.

Boston Oregon Mast Co., 131 Coleridge, East Boston, Mass.
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
CLYDE IRON WORKS SALES CO., Duluth, Minn. *See adv index at end of book*
Dobbie Foundry & Machine Co., Niagara Falls, N. Y.
Harrison-Skolil Foundry & Mach. Works, 528 N 28th, Portland, Ore.
Hoist & Crane Engineering Co. (The), Engineering bldg, Liberty, New York *See adv index at end of book*
Lane Mfg. Co. (Derrick Turning Gears, Air or Steam), Montpelier, Vt.
Lidgerwood Mfg. Co., 96 Liberty, New York *See adv index at end of book*
Marion Machine Foundry & Supply Co., Marion, Ind.
Memphis Machine Works, 171 Vance, Memphis, Tenn.
MUNDY J. S. HOISTING ENGINE CO., 735 Frelinghuysen av, Newark, N. J. *See adv index at end of book*
National Hoisting Engine Co., 325 Manor av, Harrison, N. J.
New Albany Machine Mfg. Co., New Albany, Ind.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Pittsburgh Block & Mfg. Co., 818 South av, Pittsburgh, Pa.
SASGEN DERRICK CO., 3000 W Grand av, Chicago, Ill. *See adv index at end of book*
SHANNON J. JACOB & CO., 1744 Market, Phila., Pa.
Smith Theo. & Sons Co., ft Essex, Jersey City, N. J.
Street Bros. Machine Works, Chattanooga, Tenn.
Stroudsburg Engine Works, Stroudsburg, Pa.
Union Iron Works, Hoboken, N. J.
Vulcan Iron Works, 327 N Irving av, Chicago, Ill.
Wilson Machy. Co., 301H W 35th, Chicago, Ill.

Derrick Spars, Masts & Booms

See Masts & Spars

3696a1— Derrick Swingers

See also Engines, Swinging

Clyde Iron Works Sales Co., Duluth, Minn. *See adv index at end of book*
DAKE ENGINE CO., Grand Haven, Mich. *See adv index at end of book*
Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J. *See adv index at end of book*
Wilson Machinery Co., 301-331 W 35th, Phila., Pa.

3696a— Derricks (A Frame)

Allen Engineering Co., 14 N 55th, Phila., Pa.
Dobbie Foundry & Machine Co. ("Dobbie"), Niagara Fall, N. Y. *See adv index at end of book*
Lidgerwood Mfg. Co., 96 Liberty, New York *See adv index at end of book*
Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J. *See adv index at end of book*
National Hoisting Engine Co., 325 Manor av, Harrison, N. J. *See adv index at end of book*

Derricks (Breast)

See Derrick Bldrs.

3697— Derricks (Builders')

See also Hoists, Various Kinds

American Hoist & Derrick Co., St. Paul, Minn.
BUFFALO HOIST & DERRICK CO., 131 Erie, Buffalo, N. Y. *See adv index at end of book*
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
CLYDE IRON WORKS SALES CO., Duluth, Minn. *See adv index at end of book*
DOBBIE FOUNDRY & MACHINE CO. ("Dobbie" Breast Derricks), Niagara Falls, N. Y. *See adv index at end of book*
Harnischfeger Corp., Milwaukee, Wis. *See adv index at end of book*
Hoist & Crane Engineering Co. (The), Engineering bldg, Liberty, New York *See adv index at end of book*
Hoisting Engine Sales Co., Grand Central Terminal, New York
Insley Mfg. Co., St. Clair & Olney, Indianapolis, Ind.
Lambert Hoisting Engine Co., 117 Poinier, Newark, N. J.
LIDGERWOOD MFG. CO., 96 Liberty, New York *See adv index at end of book*
Meyer Henry H. Co. (Dirs), 110 S Howard, Baltimore, Md. *See adv index at end of book*
Minneapolis Steel & Machy. Co., 2854 Minnehaha, Minneapolis, Minn.
MUNDY J. S. HOISTING ENGINE CO., 735 Frelinghuysen av, Newark, N. J. *See adv index at end of book*
National Hoisting Engine Co., 325 Manor av, Harrison, N. J. *See adv index at end of book*
Pacific Hoist & Derrick Co., 818 1st av, S, Seattle, Wash.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa. *See adv index at end of book*
Sasgen Derrick Co. ("Sasgen" Circle Swing, Hand Power), 3000 W Grand av, Chicago, Ill. *See adv index at end of book*
Shannon J. Jacob & Co., 1744 Market, Phila., Pa.
Taylor Portable Steel Derrick Co., 215 W Grand av, Chicago, Ill.
TERRY MFG. CO., Grand Central Terminal, New York *See adv index at end of book*

3697a—Derricks (Circle Swing)

SASGEN DERRICK CO., 3000 W Grand av, Chicago, Ill. *See adv index at end of book*

3698— Derricks (Crane)

Am. Bridge Co., 71 Broadway, New York
Am. Hoist & Derrick Co. ("American"), 63 S Robert, St. Paul, Minn.
Buffalo Hoist & Derrick Co., 131 Erie, Buffalo, N. Y.
Byers Machine Co., The, 242 Sycamore, Ravenna, O. *See adv index at end of book*
Clyde Iron Works Sales Co., Duluth, Minn. *See adv index at end of book*
Dobbie Foundry & Machine Co. ("Dobbie"), Niagara Falls, N. Y. *See adv index at end of book*
Harnischfeger Corp., Milwaukee, Wis. *See adv index at end of book*
HAYWARD CO., 50 Church, New York *See adv index at end of book*
Lakeside Bridge & Steel Co., N Milwaukee, Wis.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Maine Electric Co. (Electric), 35 Commercial, Portland, Me.
National Hoisting Engine Co., 325 Manor av, Harrison, N. J. *See adv index at end of book*
Northern Engineering Works (Electric), 210 Chene, Detroit, Mich.
Pacific Hoist & Derrick Co., 818 1st av, S, Seattle, Wash.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa. *See adv index at end of book*
SASGEN DERRICK CO., 3000 W Grand av, Chicago, Ill. *See adv index at end of book*
SHANNON J. JACOB & CO., 1744 Market, Phila.. Pa.
Street Bros. Machine Works, Times bldg, Chattanooga, Tenn.

3699— Derricks (Farm)

Friend Mfg. Co., Gasport, N. Y.
Heller-Aller Co., Napoleon, O.
Sasgen Derrick Co., 3000 W Grand av, Chicago, Ill. *See adv index at end of book*

3700— Derricks (Floating or Barge)

CLYDE IRON WORKS SALES CO., Duluth, Minn. *See adv index at end of book*
Dobbie Foundry & Machine Co. ("Dobbie"), Niagara Falls, N. Y. *See adv index at end of book*
Dravo Contracting Co., 1100 Diamond Bk. bldg, Pittsburgh, Pa.
Harnischfeger Corp., Milwaukee, Wis. *See adv index at end of book*
Hayward Co., 50 Church, New York *See adv index at end of book*
Lidgerwood Mfg. Co., 96 Liberty, New York *See adv index at end of book*
McMyler-Interstate Co. (The), Cleveland, Ohio *See adv index at end of book*
National Hoisting Engine Co., 325 Manor av, Harrison, N. J. *See adv index at end of book*
Pacific Hoist & Derrick Co., 818 1st av., S, Seattle, Wash.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa. *See adv index at end of book*

3701— Derricks (Folding)

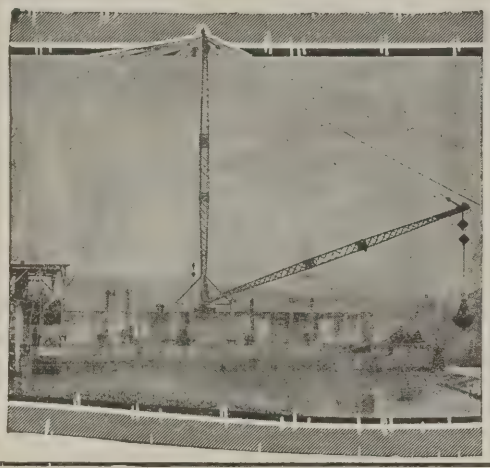
Dobbie Foundry & Machine Co. ("Dobbie"), Niagara Falls, N. Y. *See adv index at end of book*
SASGEN DERRICK CO., 3000 W Grand av, Chicago, Ill. *See adv index at end of book*
Speidel Elevator Corp., Reading, Pa.

3702-3— Derricks (Guy)

American Bridge Co. (Steel), 30 Church, New York
American Hoist & Derrick Co. (Self-Slewing Steel or Wooden), St. Paul, Minn.
Bedford Foundry & Machine Co. (Steel), Bedford, Ind.
Bronx Derrick & Tool Co. ("Dennis" for Stone Setters, Iron Workers, etc), 143rd & Southern blvd. New York *See adv index at end of book*

(Continued on following page)

BRONX DERRICK & TOOL CO.
Manufacturers of
"Dennis" DERRICKS
Guy Derricks, Hoisting Engines and Air Compressors for Sale or Rent
143d Street and Southern Blvd., New York



THE CLYDE LINE *of* STEEL DERRICKS

GUY or STIFF LEG TYPES

A quality product built to fixed standards of excellence and covered by rigid guarantees against defects of workmanship or materials. Complete information from the home office or any branch.

You'll Take Pride in Your Clyde

Clyde Iron Works Sales Company

Sole Distributor For CLYDE IRON WORKS, Duluth, Minn.

Branch Offices and Warehouses:

CHICAGO, 11 So. LaSalle St.
CINCINNATI, 1913 Union Central Bldg.
JACKSONVILLE, FLA., 45 W. Forsyth St.
MEMPHIS, TENN., 119 Monroe Ave.
NEW ORLEANS, LA., 309 Magazine St.
NEW YORK, 141-149 Centre Street
PORTLAND, 555 Thurman St.
SEATTLE, 542 First Ave., South
SAN FRANCISCO, 737 Monadnock Bldg.

Derricks (Guy)—Continued

Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
CLYDE IRON WORKS SALES CO., Duluth, Minn.
See adv index at end of book
Continental Bridge Co., 460 Monadnock Block, Chicago, Ill.
Dobbie Foundry & Machine Co. ("Dobbie"), Niagara Falls, N. Y.
See adv index at end of book
Harnischfeger Corp., Milwaukee, Wis.
See adv index at end of book
Hayward Co., 50 Church, New York
See adv index at end of book
Lidgerwoood Mfg. Co., 96 Liberty, New York
Minneapolis Steel & Machinery Co. (Steel or Timber Mast, Steel Boom, **Operated by "Twin-City" Electric.** Gasoline & Steam Hoists), 2854 Minnehaha av, Minneapolis, Minn.
Monighan Machine Co., 2032 Carroll av, Chicago, Ill.
Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book
National Hoisting Engine Co., 325 Manor av, Harrison, N. J.
See adv index at end of book
National Iron Co., Duluth, Minn.
Pacific Hoist & Derrick Co., 818 1st av S, Seattle, Wash.
SASGEN DERRICK CO. ("Sasgen" Guy Line), 3000 W Grand av, Chicago, Ill.
See adv index at end of book
Shannon J. Jacob & Co., 1744 Market, Phila., Pa.
Stroudsburg Engine Works, Stroudsburg, Pa.

3704—Derricks (Locomotive)

Dobbie Foundry & Machine Co. ("Dobbie"), Niagara Falls, N. Y.
See adv index at end of book
LINK-BELT COMPANY, 300 W. Pershing rd, Chicago, Ill.
See adv index at end of book
McMYLER - INTERSTATE CO. (THE), Cleveland, Ohio
See adv index at end of book

Derricks (Log Loading)

See Loaders, Log

3704a—*Derricks (Midget)

Hayward Co., 50 Church, New York
See adv index at end of book

HAYWARD BUCKETS
DIGGING MACHINERY
THE HAYWARD COMPANY
50 CHURCH STREET NEW YORK

3705— Derricks (Misc.)

See also Cranes of Various Kinds; also Hoists of Various Kinds

Biegert J. C. Machine Works, Seattle, Wash.
Clyde Iron Works Sales Co., Duluth, Minn.
See adv index at end of book
Dobbie Foundry & Machine Co. ("Dobbie"), Niagara Falls, N. Y.
See adv index at end of book
Dravo Contracting Co., 1100 Diamond Bk. bldg, Pittsburgh, Pa.
Granite City Iron Works Co., St. Cloud, Minn.
Hayward Co., 50 Church, New York
See adv index at end of book

HAYWARD BUCKETS
DIGGING MACHINERY
THE HAYWARD COMPANY
50 CHURCH STREET NEW YORK

Horton John T., 242 Bradhurst, New York
INTERNATIONAL DERRICK & EQUIPMENT CO., Michigan & Buttles avs, Columbus, Ohio
Kelly L. J. Mfg. Co. (Breast & Ditch), Albany, N. Y.
Lake Shore Engine Works (& Derrick Hoisters), Marquette, Mich.
Lane Mfg. Co. (Boom), Montpelier, Vt.
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
Lincoln Iron Works, Rutland, Vt.
McMyler-Interstate Co. (The) (Boom, Clam Shell, Steam), Cleveland, Ohio
See adv index at end of book

Derricks

THE McMYLER INTERSTATE CO.

CLEVELAND

Sales offices in all principal cities

Northwestern Iron Works, Seattle, Wash.
Patch F. R. Mfg. Co., Rutland, Vt.
SHANNON J. JACOB & CO., 1744 Market, Phila., Pa.
Smith, Whitcomb & Cook Co., Barre, Vt.
Superior Iron Works Co. (Heavy & Swinging Engines), Superior, Wis.
Taylor Portable Steel Derrick Co., 215 W Grand av, Chicago, Ill.
Vogel Tool Co., 912 E 19th, Kansas City, Mo.
Washington Iron Works, Seattle, Wash.

3706—Derricks (Oil & Water Well)

Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
International Derrick & Equipment Co., Michigan & Buttles avs, Columbus, O.
Keystone Driller Co., Beaver Falls, Pa.
See adv index at end of book
Marion Machine Foundry & Supply Co. (Oil), Marion, Ind.
Moore Lee C. & Co., Oliver bldg, Pittsburgh, Pa.
National Hoisting Engine Co., 325 Manor av, Harrison, N. J.
See adv index at end of book
National Supply Co. (Oil Well), Union Bank bldg, Pittsburgh, Pa.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Pacific Hoist & Derrick Co., 818 1st av, S, Seatttle, Wash.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
SASGEN DERRICK CO., 3000 W Grand av, Chicago, Ill.
See adv index at end of book

3707— Derricks (Pile Driving)

Clyde Iron Works Sales Co. (Mounted on Spool Rollers), Duluth, Minn.
See adv index at end of book
Dobbie Foundry & Machine Co. ("Dobbie"), Niagara Falls, N. Y.
See adv index at end of book
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
Nashville Bridge Co., Nashville, Tenn.
National Iron Co., Duluth, Minn.
Smith, Theo. & Sons Co., ft Essex, Jersey City, N. J.
Stroudsburg Engine Works, Stroudsburg, Pa.
Vulcan Iron Works, 327 N Irving av, Chicago, Ill.

3708— Derricks (Pipe)

Consolidated Expanded Metal Co., Braddock, Pa.
Marion Machine Foundry & Supply Co., Marion, Ind.
Mueller Co. (Improved Derrick & Pipe Tongs for Water Main), Decatur, Ill.
SASGEN DERRICK CO., 3000 W Grand av, Chicago, Ill.
See adv index at end of book
Taylor Portable Steel Derrick Co. (For Unloading Gondola Cars), 215 W. Grand av, Chicago, Ill.

3709— Derricks (Portable)

Barrett-Cravens Co., 1328 W Monroe, Chicago, Ill.
BYERS MACHINE CO., THE, 243 Sycamore, Ravenna, O.
See adv index at end of book
Clyde Iron Works Sales Co., Duluth, Minn.
See adv index at end of book
Dobbie Foundry & Machine Co. ("Dobbie"), Niagara Falls, N. Y.
See adv index at end of book
Exeter Machine Works, Pittston, Pa.
Pacific Hoist & Derrick Co., 818 1st av, S, Seattle, Wash.
Reierson Machinery Co., 1295 Hood, Portland, Ore.
SASGEN DERRICK CO., 3000 W Grand av, Chicago, Ill.
See adv index at end of book
Schmeiser Mfg. Co., Hay, Davis, Cal.
Taylor Portable Steel Derrick Co. ("Taylor" Steel), 215 W Grand av, Chicago, Ill.

Derricks (Revolving)

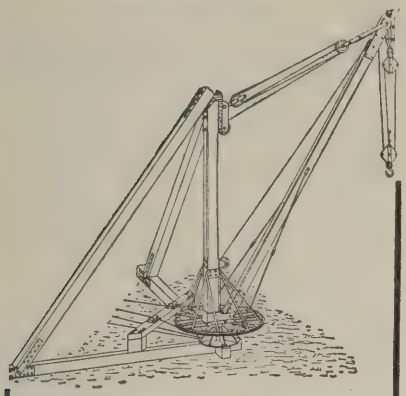
See Derricks, Guy; also Derricks, Stiff-Leg

3710— Derricks (Steel)

See also Derricks, Misc.

American Bridge Co., 30 Church, New York
American Hoist & Derrick Co., St. Paul, Minn.
Bedford Foundry & Machine Co., Bedford, Ind.
Boss Pulling Machine Co. ("Handy"), Vanburen, Ind.
BROWN & SITES CO., 30 Church, New York
CLYDE IRON WORKS SALES CO. (Stiff Leg Bull Wheel, etc.), Duluth, Minn.
See adv index at end of book
Continental Bridge Co., Peotone, Ill.

Dobbie Foundry & Machine Co. ("Dobbie"), Niagara Falls, N. Y.
See adv index at end of book



Dobbie Foundry and Machine Co.

Steel Derricks, Fittings for Timber Derricks, Hand and Power Hoists

NIAGARA FALLS, N. Y.

Dravo Contracting Co., 1100 Diamond Bk. bldg, Pittsburgh, Pa.
Harnischfeger Corp., Milwaukee, Wis.
See adv index at end of book
Insley Mfg. Co. (Contractors') 3500 E St. Clair, Indianapolis, Ind.
INTERNATIONAL DERRICK & EQUIPMENT CO. ("Indeco" Oil, Gas, Water), Michigan & Buttles avs, Columbus, Ohio
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
McMyler-Interstate Co. (The), Cleveland, Ohio *See adv index at end of book*
Marion Machine Foundry & Supply Co., Marion, Ind.
Minneapolis Steel & Machinery Co. (Stiff Leg Operated by "Twin City" Electric, Gasoline or Steam Hoist), 2854 Minnehaha av, Minneapolis, Minn.
Nashville Bridge Co., Nashville, Tenn.
National Hoisting Engine Co., 325 Manor av, Harrison, N. J.
See adv index at end of book
National Iron Co., Duluth, Minn.
Northern Engineering Works, 210 Chene, Detroit, Mich.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
SASGEN DERRICK CO., 3000 W Grand av, Chicago, Ill.
See adv index at end of book
Taylor Portable Steel Derrick Co., 215 W Grand av, Chicago, Ill.
Yorke Derrick Co. (For Well Drilling etc), Washington, Pa.

3711— Derricks (Stiff-Leg)

American Hoist & Derrick Co., St. Paul, Minn.
Bedford Foundry & Machine Co. (Steel), Bedford, Ind.
Boston-Oregon Mast Co., 131 Coleridge, East Boston, Mass.
BRONX DERRICK & TOOL CO., 143d & Southern blvd., New York
Brunner & Lay (Portable, Steam or Horse Power), 570 W Polk, Chicago, Ill.
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Clyde Iron Works Sales Co. (Steel, Bull Wheel, etc), Duluth, Minn.
See adv index at end of book
Continental Bridge Co., 460 Monadnock Block, Chicago, Ill.
Dobbie Foundry & Machine Co. ("Dobbie"), Niagara Falls, N. Y.
See adv index at end of book
Dravo Contracting Co., 1100 Diamond Bk. bldg, Pittsburgh, Pa.
Hayward Co., 50 Church, New York
See adv index at end of book
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
Lombard Iron Works & Supply Co., Augusta, Ga.
McMyler-Interstate Co. (The), Cleveland, Ohio *See adv index at end of book*
Minneapolis Steel & Machinery Co. (Steel or Timber Steel Boom Operated by "Twin-City," Electric, Gasoline or Steam Hoist), 2854 Minnehaha av, Minneapolis, Minn.
Mitchell-Tappen Co. (Steel), 15 John, New York
Monighan Machine Co., 2032 Carroll av, Chicago, Ill.
Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book
Nashville Bridge Co., Nashville, Tenn.
National Hoisting Engine Co., 325 Manor av, Harrison, N. J.
See adv index at end of book
National Iron Co., Duluth, Minn.
Pacific Hoist & Derrick Co., 818 1st av S, Seattle, Wash.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
SASGEN DERRICK CO. ("Sasgen"), 3000 W Grand av, Chicago, Ill.
See adv index at end of book
Shannon J. Jacob & Co., 1744 Market, Phila., Pa.
Stroudsburg Engine Works, Stroudsburg, Pa.

3712— Derricks (Sulky)

Channon Jas. H. Mfg. Co. (For Laying Pipe), 227 W Erie, Chicago, Ill.
Dobbie Foundry & Machine Co. ("Dobbie"), Niagara Falls, N. Y.
See adv index at end of book

3713— Derricks (Tower)

American Hoist & Derrick Co., St. Paul, Minn.
Clyde Iron Works Sales Co., Duluth, Minn.
See adv index at end of book
Dobbie Foundry & Machine Co. ("Dobbie"), Niagara Falls, N. Y.
See adv index at end of book
Pacific Hoist & Derrick Co., 818 1st av S, Seattle, Wash.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
SASGEN DERRICK CO., 3000 W Grand av, Chicago, Ill.
See adv index at end of book

3713a—Derricks (Towing & Wrecking)

SASGEN DERRICK CO., 3000 W Grand av, Chicago, Ill.
See adv index at end of book

3714— Derricks (Traveling)

American Hoist & Derrick Co., St. Paul, Minn.
Byers Machine Co., The, 242 Sycamore, Ravenna, Ohio
See adv index at end of book
Clyde Iron Works Sales Co., Duluth, Minn.
See adv index at end of book
Dobbie Foundry & Machine Co. ("Dobbie"), Niagara Falls, N. Y.
See adv index at end of book
Dravo Contracting Co., 1100 Diamond Bk. bldg, Pittsburgh, Pa.
HAYWARD CO., THE (Steel), 50 Church, New York *See adv index at end of book*

HAYWARD BUCKETS
DIGGING MACHINERY
THE HAYWARD COMPANY
50 CHURCH STREET NEW YORK

Hoist & Crane Engineering Co. (The), Engineering bldg, Liberty, New York
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
McMYLER - INTERSTATE CO. (THE), Cleveland, Ohio
See adv index at end of book
MUNDY J. S. HOISTING ENGINE CO., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book
National Hoisting Engine Co., 325 Manor av, Harrison, N. J.
See adv index at end of book
Pacific Hoist & Derrick Co., 818 1st av, S, Seattle, Wash.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Shannon J. Jacob & Co., 1744 Market, Phila., Pa.

3715— Derricks (Tripod)

Dobbie Foundry & Machine Co. ("Dobbie"), Niagara Falls, N. Y.
See adv index at end of book
SASGEN DERRICK CO., 3000 W Grand av, Chicago, Ill.
See adv index at end of book

3715a—Designers of Special Tools, Jigs, Fixtures & Dies

Baldwin C. S. Mfg. Co., Cherry, Milford, Conn.
Beehler Steel Products Co., 1449 N 13th, St. Louis, Mo.
See adv index at end of book
Forsberg Mfg. Co., Bridgeport, Conn.
Jaxon Co., 1010-12-14 Jackson, Toledo, O.
Modern Tool, Die & Machine Co., 216-220 N 4th, Columbus, O.
MYER-MORAN CO., 522-24 East, Baltimore, Md.
See adv index at end of book
North Side Tool Co., The, 17-19 Maryland av, Dayton Ohio
Pennsylvania Tool & Mfg. Co., York, Pa.
Roe Walter H., Spayth bldg, Tiffin, Ohio
Ulmer, J. C. Co., 1791 E. 38th, Cleveland, Ohio
Walstad Machine Co., 1005 East D, Tacoma, Wash.

3715b— De-Sizing

Malt-Diastase Co. ("Diax" & "Textase" for Bleaching, Dyeing, Mercerizing, etc.), 79 Wall, New York

3716— *Desk Fittings

Grammes L. F. & Sons, 311 Union, Allentown, Pa.
See adv index at end of book
Grand Rapids Brass Co., Grand Rapids, Mich.

3717— Desk Hardware

Minerallac Electric Co. ("Altman" Pushers), 1045 Washington blvd, Chicago, Ill.
Weber-Knapp Co., Jamestown, N. Y.

3718— Desk Manufacturers

Andrews A. H. Co., 107 S Wabash av, Chicago, Ill.
Atlanta Table Co. (Office & Typewriter Tables), Atlanta, Ga.
Bagby Furniture Co., Eastern av & Exeter, Baltimore, Md.
Bentley & Gerwig Furniture Co. (Roll Top & Flat), Parkersburg, W. Va.
Browne-Morse Co., Muskegon, Mich.
Capital City Furniture Co., 639 Jackson, St. Paul, Minn.
Central Mfg. Co., 454 Armour, Chicago, Ill.
Columbia Lumber & Mfg. Co., Columbia, S. C.
Commerical Furniture Co., 2739 W Chicago av, Chicago, Ill.
Corry Fibre Furniture Co., Corry, Pa.
Cutler Desk Co. (Roll & Flat Top), Buffalo, N. Y.
Dietz J. F. & Co., 4851 Spring Grove av, Cincinnati, O.
Dornette J. & Bro. Co., 1250 Harrison av, Cincinnati, O.
Doten-Dunton Desk Co., 25 Arch, Boston, Mass.
Durard Desk Mfg. Co. (Also Tables), 700 S Sichel, Los Angeles, Cal.
Eckman Furniture Co., Jamestown, N. Y.
Englewood Desk Co., 58th & Lowe av, Chicago, Ill.
Evansville Desk Co., 1839 3rd av, Evansville, Ind.
Fassler Jacob, Utica, N. Y.
Franklin Filing Supply Co. (Office), 70 Duane, New York
GLOBE-WERNICKE CO. (all kinds), 25 Carthage av, Cincinnati, Ohio
See adv index at end of book
Gunn Furniture Co., Grand Rapids, Mich.
Hale Co., 68 William, New York
Haney School Furniture Co., Grand Rapids, Mich.
Hart Mfg. (Typewriter), Findlay, O.
Herrmann H. Furniture Co. (Typwriter), 527 W 34th, New York
Himmel M. L. & Son, 113 Gay, Baltimore, Md.
Holman R. Co., Chelsea, Mass.
Honeoye Falls Furniture Co., Honeoye Falls, N. Y.
Horrocks Desk Co., Herkimer, N. Y.
Imperial Desk Co. (Typewriter), Evansville, Ind.
Inner Braced Furniture Co., Elkhart, Ind.
Jamestown Metal Desk Co., Jamestown, N. Y.
Jasper Desk Co., Jasper, Ind.
Lauter H. Co., W Wabash & Harding, Indianapolis, Ind.
Leopold Desk Co., Burlington, Ia.
Library Bureau ("Library Bureau"), Dept. H, Cambridge, Mass.
Marysville Cabinet Co. ("Queen" Typewriter), Marysville, O.
Metal Office Furniture Co. (Steel Office Desks), Grand Rapids, Mich.
Minneapolis Desk Mfg. Co., Minneapolis, Minn.
Minneapolis Office & School Furniture Co. (School), 801 S. E. 8th, Minneapolis, Minn.
Montgomery Table & Desk Co., Montgomery, Pa.
Myrtle Desk Co., High Point, N. C.
National Desk Co., Herkimer, N. Y.
Northwestern Furniture Co., 271 W Water, Milwaukee, Wis.
Novelty Wood Works Co., Union City, Pa.
Olsen O. C. S. Co., 2511 Moffat, Chicago, Ill.
Peter & Volz Co., Arlington Heights, Ill.
Quigley Furniture Co., The (Typewriter), Whitesboro, N. Y.
Quincy Show Case Works, Quincy, Ill.
Roehr Co., Bucyrus, O.
Schimmel & Co. ("Schimmel" Writing Tables & Spinet Desks), Faribault, Minn.

(Continued on following page)

Desk Manufacturers—Continued

Schwarzwaelder W., & Co., Chichester, N. Y.
Shelbyville Desk Co., Shelbyville, Ind.
Stafford E. H. Mfg. Co. (Office), 367 W Adams, Chicago, Ill.
Southern Desk Co. (Domestic Science & Teachers' Desks), Hickory, N. C.
Standard Furniture Co. ("Standard"), Herkimer, N. Y.
Sterling Desk Co., Grand Rapids, Mich.
Tell City Desk Co., Tell City, Ind.
Toledo Desk & Fixture Co., Toledo, O.
Udell Works (Ladies), Indianapolis, Ind.
Union Furniture & Novelty Co., Warren, Pa.
Valley City Desk Co., Grand Rapids, Mich
Van Dorn Iron Works Co. (The), 2700 E 79th, Cleveland, Ohio
See adv index at end of book
Wagemaker Co., Grand Rapids, Mich.
Watson Mfg. Co. (Roll & Flat Top, Typewriter & Bookkeepers Steel), Jamestown, N. Y.
Welch W. M. Scientific Co. (Flat Top, Roll & Typewriter), 1516 Orleans, Chicago, Ill.
West Made Desk Co. ("West Made"), Lewis & Loring, Portland, Ore.
Western Furniture Co., Blair av & Palm, St. Louis, Mo.
Winnebago Furniture Mfg. Co. (Typewriter), Fond du Lac, Wis.
Winneberger Geo. & Son, 252 S 3d, Phila., Pa.
Winter Co., Sheboygan, Wis.
Witte J. C. Mfg. Co., 30 E Henn av, Minneapolis, Minn.
Yawman & Erbe Mfg. Co. ("Efficiency"), St. Paul, Rochester, N. Y.

Desk Slides

See Slides (Desk)

3719—Desk Swinging Attachments

Globe-Wernicke Co. (The), 25 Carthage av., Cincinnati, Ohio
See adv index at end of book
Shelbyville Desk Co., Shelbyville, Ind.

3719a—Desks (Factory & Shipping Room, Steel)

Central Metal Products Co. ("C. M. P."), Canton, Ohio
Lupton's David Sons Co., Allegheny av & Tulip, Philadelphia, Pa.
See adv at Shelving Steel
Lyon Metallic Mfg. Co., Aurora, Ill.
Van Dorn Iron Works Co. (The), 2700 E 79th, Cleveland, Ohio
See adv index at end of book

3719b— Desks (Filing)

WEIS MFG. CO., THE, Monroe, Mich.
See adv index at end of book

Desks (School)

See Furniture, School

3720— Desks (Steel)

See also Bank & Office Fixtures, Metallic
Albatross Metal Furn. Co. ("Albatross"), 715 Thurman, Portland, Ore.
Art Metal Construction Co. (Check, Foremen's Log, Office), Jamestown, N. Y.
Davidson J. L. Co., 644-48 Mateo, Los Angeles, Cal.
Edwards O. M. Co., Inc., Syracuse, N. Y.
GENERAL FIREPROOFING CO. (THE) ("G-F. Allsteel"), 2308 Logan av, Youngstown, Ohio
See adv index at end of book
LUPTON'S DAVID SONS CO. (Factory), Allegheny av, & Tulip, Phila., Pa.
See adv at Shelving Steel
Lyon Metallic Mfg. Co. ("Lyon" for Factories), Aurora, Ill.
Metal Office Furniture Co. (Office), Grand Rapids, Mich.
Steel Furniture Co., Grand Rapids, Mich.
VAN DORN IRON WORKS CO. (THE), 2700 E 79th, Cleveland, Ohio
See adv index at end of book
Watson Mfg. Co., Jamestown, N. Y.

3721— Desuperheaters

Schutte & Koerting Co., 1251 N 12th, Philadelphia, Pa.
See adv index at end of book

Detectors (Fire)

See Alarms, Fire

3722— Detectors (Ground)

GENERAL ELECTRIC CO. (Electrostatic), Schenectady, N. Y.
See adv index at end of book

Consult Index to Trades

3722a— Detectors (Marine Ice)

McNab Co. ("Frigidometers"), Bridgeport, Conn.

3723—Detectors (Radio Crystal)

See also Tubes (Vacuum)
Adams Morgan Co., Upper Montclair, N. J.
Acme Apparatus Co., 186 Mass. av, Cambridge, Mass.
Am. Radio & Research Corp. ("Amrad"), 203 College av, Medford Hillside, Mass.
Am. Radio Sales & Service Co. ("Atlas"). Mansfield, Ohio
Andrae Frank A. D. ("Fada"), 1581 Jerome av, New York
Atlantic Pacific Radio Supply Co. ("A.P."), San Francisco, Cal.
Bliss R. W. Co., Atlantic, Mass.
Bronx Radio Equipment Co., 687 Cortlandt av, New York
Bunnell J. H. & Co. ("Jove"), 32 Park pl, New York
Chapman Machine Corp., Terryville, Conn.
See adv index at end of book
Colburn Gear & Mfg. Co., 1 Woodworth, Dorchester, Boston 22, Mass.
Conn. Tel. & Electric Co. ("Connecticut"), Meriden, Conn.
Crocker Wheeler Co., Ampere, N. J.
Crosley Mfg. Co., Alfred & Cook, Cincinnati, Ohio
De Forest Radio Tel. & Telg. Co., 1415 Franklin, Jersey City, N. J.
Doron Bros. Elec. Co., 325 N B. Hamilton, Ohio
Duck Wm. B. Co., 224 Superior, Toledo, O.
Eastern Precision Elec'l Instrument Co., Rockville Centre, New York
Electric Machine Co., Pratt & Meridian, Indianapolis, Ind.
Federal Tel. & Tel. Co., 1738 Elmwood, Buffalo, N. Y.
Firth Jn. & Co. ("Firco"), 18 B'way, New York
FOOTE MINERAL CO. (Fixed), 109 N 19th, Philadelphia, Pa.
Freed-Eiseman Radio Corp., Sperry bldg, Brooklyn, N. Y.
Gehman & Weinert, 42 Walnut, Newark, N. J.
Gilbert A. C. & Co. ("A. C. Gilbert"), New Haven, Conn.
Grebe A. H. & Co., Inc., 70 Van Wyck blvd., Jamaica, N. Y.
Horne Mfg. Co., 243 Mercer, Jersey City, N. J.
Jones Elec. & Radio Mfg. Co., 120 E Lexington, Baltimore, Md.
Jones Radio Co., 384 Monroe, Brooklyn, N. Y.
Kilbourne & Clark Mfg. Co. ("K&C"), 101 Spokane, Seattle, Wash.
Magnus Electric Co., Inc. ("Magnus"), 451 Greenwich, New York
Manhattan Electrical Supply Co. Inc., 17 Park pl, New York
Murdock Wm. J. Co., Everett av & Carter, Chelsea, Mass.
National Radio Co., Marshall, Minn.
Newmann Stern Co., E 12th & Walnut, Cleveland, Ohio
Pacent Elec. Co., 22 Park pl, New York
Penberthy Injector Co. ("Penberthy"), 1242 Holden av, Detroit, Mich.
Pitometer Co., 25 Elm, New York
Precision Equipment Co., B & O. R. R. & Blue Rack N S, Cincinnati, Ohio
Radio Corp. of Am. ("Radiotron"), 64 Broad, New York
Radio Specialty Co. ("Rasco"), 96 Park pl, New York
Radio Tel. & Mfg. Co., 179 Greenwich, New York
Remler Radio Mfg. Co., 248th, San Francisco, Cal.
Ship Owners Radio Service (Dirs), 80 Washington, New York
Signal Elec. Co., Menominee, Mich.
Somerville Radio Laboratory, 102 Heath, Somerville, Mass.
Standard Radio & Equipment Co. ("D&K"), 477 S 10th, Newark, N. J.
Star Mfg. Co. ("Star"), Newark, N. J.
Tresco, Davenport, Ia.
Twentieth Century Radio, Greenville, Pa.
Westfield Machine Co., Westfield, Mass.
Westinghouse Elec. & Mfg. Co., E Pittsburgh, Pa. *See adv index at end of book*
Wilcox Laboratories, 2208 E Mich. av, Lansing, Mich.
Wisconsin Radio Corp., Madison, Wis.
Wireless Equipment Co., 32 Austin, Newark, N. J.
Wireless Improvement Co., 66 York, Jersey City, N. J.
Wireless Specialty Apparatus Co., 76 Atherton, Boston, Mass.

Detectors (Time)

See Clocks (Time Recording System); Clocks (Watchman's); Recorders (Time)

3724—Detectors (Water Waste)

Builders Iron Foundry ("Venturi"), 9 Codding, Providence, R. I.
Precision Scientific Co., 820-822 S Tripp av, Chicago, Ill.

3725-6-7— Detinning Plants

Metal & Thermit Corp., 120 Bway, New York; Works: East Chicago, Ind.; Wyandotte, Mich.; and Chrome, N. J.
National Tin Co., 21 Park Row, New York
Vulcan Detinning Co., Sewaren, N. J.

Detonators (Time and Electric)

See Blasting Supplies

3728— Devices (Tying)

McConway & Torley Co. ("A. R. A.," "Janney," "Penn," "Nemo" & "Pitt," made from Open Hearth Castings), 48th & A. V. RR., Pittsburgh, Pa.
Tie Co. ("Holdfast" for Clothes Lines, Corn Binders, Shock Compressors, etc), Unadilla, N. Y.

3728a— Devices (Uncoupling)

Hutchins Car Roofing Co. (For Railroads), 1325 Ford bldg, Detroit, Mich.

3729— Devulcanizers

See also Vulcanizers, Rubber
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Thropp Wm. R. & Sons Co., Trenton, N. J.

3729a— Dewaterers

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Process Co., 68 William, New York
Chalmers Williams Mfg. Co., 1461 Arnold, Chicago Heights, Ill.
Dorr Co., Denver, Col.
Mine & Smelter Supply Co., 17th & Blake, Denver, Colo.
Oliver Continuous Filter Co., 503 Market, San Francisco, Cal.

3729b— Dewatering Cones

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

3730— Dextrine

Arabol Mfg. Co. (Jobbers), 110 E 42nd, New York
Behrend F. (Imp), 170 Front, New York
Bloede Victor G. Co., Caton av, Baltimore, Md.
Boley C. H. Co. ("Aamcolose"), 3722 N Randolph, Phila., Pa.
Corn Products Refining Co. (Globe), 17 Battery pl, New York
Fergusson, Alex. C. Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
General Adhesive Mfg. Co., Inc. ("Dragon"), 469 Greenwich, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Hewitt C. B. & Bros., Inc., 20 Ferry, New York
See adv index at end of book
Innis, Speiden & Co., Inc., 46 Cliff, New York
Klipstein A. & Co., 644 Greenwich, New York
Leyland Thos. & Co., Readville, Boston, Mass.
McCormick, J. S. Co., 25th & A. V. R. R., Pittsburgh, Pa.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Morningstar Chas. & Co., Inc. (Imp.), 650 W 34th, New York
National Gum & Mica Co. (Domestic or Imported), 12 West End av, New York
Nicol J, M, & J. S., Hawthorne, N. J.
Riddle Chemical Co., Inc. (Tapioca), 35 S Dearborn, Chicago, Ill.
See adv index at end of book
Salomon L. A. & Bros., 216 Pearl, New York
Stein Hall & Mfg. Co., 2841 S Ashland, Chicago, Ill.
Tanner Chas. S. Co., 250 So Water, Providence, R. I.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*
Wolf Jacques & Co. (Selling Agents), Passaic, N. J.

3730a—Di Ethyl Phthalate

RIDDLE CHEMICAL CO., INC., 35 S Dearborn st, Chicago, Ill.
See adv index at end of book

3731—Dials (Clock, Gauge, Scale, Meter, Etc.)

Acme Etched Products, 459 Brady, Detroit, Mich.
Am. Name Plate Mfg. Co. Inc., 267 Wyckoff, Brooklyn, N. Y.
Auburn Button Wks., Inc. (Celluloid Number Wheels), Auburn, N. Y.
Cooper Oven Thermometer Co. (Clock Thermometer, Meter, etc), Pequabuck, Conn.
D. & G. Dial & Enameling Co., Waltham, Mass.
Dessau Maurice S., 6 Maiden la, New York
Detroit Mfg Co. (Radio), 5850 Marshall, Oakland, Cal.
Electro Chemical Engraving Co. (Etched Metal), 450 19th, Brooklyn, N. Y.
Etching Co. of America (Clock & Speedometer), 1520H Montana, Chicago, Ill.
General Etching & Mfg. Co., 312 S Hamilton av, Chicago, Ill.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*

Ingram-Richardson Mfg. Co., Beaver Falls Pa. *See adv index at end of book*
Manhattan Dial Mfg. Co., 40 Lexington av, Brooklyn, N. Y.
Marshall-Gerken, 27 Ontario, Toledo, O.
Metallograph Corp., 52 Vanderbilt Central Term., New York
O'Hara-Waltham Dial Co., Waltham, Mass.
Premier Metal Etching Co., 14th, Long Island City, N. Y.
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Thomberg Electric Works, 158 1st, San Francisco, Cal.
Union Construction Co. (Radio), Balfour bldg, San Francisco, Cal.

3731a— Dials (Radio)

Waterbury Button Corp., 831 S Main, Waterbury, Conn.
See adv index at end of book

3731b— Diamond Tools

Atlas Wire Die Co., 100 5th av, New York
Dessau Maurice S., 6 Maiden lane, New York
Diamond Drill Carbon Co., 59 Park Row, New York
Modern Diamond Tool Co., Marquette bldg, Detroit, Mich.
Vianney Wire Die Works, 100 5th av, New York

3731c—Diamonds for Industrial Purposes

See Also Carbon, Black Diamonds & Bortz
ACME DIAMOND TOOL CO., 170 Broadway, New York
Atlas Wire Die Co., 100 5th av, New York
Crafts Arthur A. Co., 125H Summer, Boston, Mass.
Dessau Maurice S., 6 Maiden la, New York
Diamond Drill Carbon Co., 59 Park Row, New York
Phino H. N. (Also Resetting), 639 S San Pedro, Los Angeles, Cal.

3732— Diamonds (Glaziers')

ACME DIAMOND TOOL CO., 170 Broadway, New York
Atlas Wire Die Co., 100 5th av, New York
Crafts, Arthur A., 125 Summer, Boston, Mass.
Dessau Maurice S., 6 Maiden la, New York
Diamond Drill Carbon Co., 59 Park Row, New York
Dickinson Thos. L., 34 Gold, New York
Levine Abr., 2 Maiden Lane, New York
Modern Diamond Tool Co., Marquette bldg, Detroit, Mich.

3732a— Diamonds (Rough)

ACME DIAMOND TOOL CO., 170 Broadway, New York
Atlas Wire Die Co., 100 5th av, New York
Dessau, Maurice S., 6 Maiden lane, New York
Diamond Drill Carbon Co., 59 Park Row, New York
See adv index at end of book

3733— Dianisidine

DU PONT E. I. DE NEMOURS & CO. INC., Dyestuffs Dept., Wilmington, Del.
See adv index at end of book

Diaphragms (Carbon)

See Carbon Mfrs.

3734— Diaphragms (Copper)

American District Steam Co., No. Tonawanda, N. Y.
U. S. Indestructible Gasket Co. (Also Metallic, Bronze, etc.), 831 E 15th, Brooklyn, N. Y.
See adv index at end of book

3734a—Diaphragms (Monel Metal)

Suplee-Biddle Hardware Co., 510 Commerce, Phila., Pa.
U. S. Indestructible Gasket Co., 831 E 15th, Brooklyn, N. Y.
See adv index at end of book

Diaphragms (Pump)

See Diaphragms, Rubber

3734b— Diaphragms (Radio Head Set)

U. S. Indestructible Gasket Co., 831 E 15th, Brooklyn, N. Y.

3735— Diaphragms (Rubber)

Acme Rubber Mfg. Co., Trenton, N. J.
Boston Belting Corp., 84 Linden Park, Boston, Mass.
Combination Rubber Mfg. Co., Bloomfield, N. J.
Continental Rubber Works, Erie, Pa.
Edson Mfg. Corp., 376H B'way, Boston, Mass.
Empire Tire & Rubber Corp. ("Edison" & High & Low Pressure), Trenton, N. J.
Goodrich B. F. Co., Akron, O.
Goodyear Tire & Rubber Co., Inc. ("Good Year"), 1144 E Market, Akron, Ohio
Gutta Percha & Rubber Mfg. Co. (Vacuum Brake), 350 Madison av, New York
Hamilton Rubber Mfg. Co., Trenton, N. J.
Home Rubber Co., Trenton, N. J.
Mercer Rubber Co., Hamilton sq, N. J.
New York Belting & Packing Co., 91 Chambers, New York
Pennsylvania Rubber Co., Jeannette, Pa.
Quaker City Rubber Co., 3927 Comly, Philadelphia, Pa.
See adv index at end of book
Schacht Rubber Mfg. Co., Huntington, Ind.
U. S. Rubber Co., 1790 Broadway, New York *See adv index at end of book*



"U. S." DIAPHRAGMS
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.

3735a—Diaphragms (Screen, Paper Makers')

Boston Belting Corp., 84 Linden Park, Boston, Mass.

3735b— Diastase

Digestive Ferments Co., 920H Henry, Detroit, Mich.
Parke Davis & Co., 2951 Atwater, Detroit, Mich.

3736— Dibbles

Bateman Mfg. Co., Grenloch, N. J.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Johnson Wm. (Hedenberg Works), (Wood Handle & All Iron), Newark, N. J.

3737— Dice

Celluloid Co., 36 Washington pl, New York
Dennison Mfg. Co., S Framingham, Mass.
Kyoto Mfg. & Trading Co., 31 E 17th, New York
Waterbury Button Corporation (Composition & Ivory), 831 S Main, Waterbury, Conn. *See adv index at end of book*

3737a— Dichlorbenzol

Cooper & Cooper Inc., 23H Cliff, New York
Hunnell & Co. Inc., 136 Liberty, New York
Monsanto Chemical Works, St. Louis, Mo.
Niagara Alkali Co., Niagara Fall, N. Y.

3738-9— Dichlormethane

Dow Chemical Co., Midland, Mich.

3740— Dictographs

Dictograph Co., 220 W 42d, New York
Edison Thos. A., Inc. ("Ediphone"), Orange, N. J.

3740a— Dicyandiamide

American Cyanamid Co., 511 5th av, New York

Die Blocks

See Blocks, Die

Die Blocks (Steel)

See Blocks, Die

3741—Die Blocks (Vanadium Steel)

Bethlehem Steel Co. (Crucible & Open Hearth), S Bethlehem, Pa.
Carpenter Steel Co. (Crucible & Open Hearth), Reading, Pa.
Crucible Steel Co. of America (Crucible & Open Hearth), 17 E 42nd, New York
Duke Steel Co., Inc., 191 Pearl, New York
Hammond Steel Co., Inc. (Crucible & Open Hearth), Solway, N. Y.
Johnston & Jennings Co., Addison rd & N. Y. C. R. R., Cleveland, O.
Titusville Forge Co. ("Tico"), Titusville, Pa.
Vanadium Alloys Steel Co. (Crucible), Latrobe, Pa.

3741a— *Die Castings

See also Castings, Die Cast
Michigan Smelting & Refining Co., 7881 Jos. Campau av, Detroit, Mich.
See adv index at end of book
MT. VERNON DIE CASTING CORP., Mt. Vernon, N. Y.
See adv index at end of book
REPUBLIC DIE CASTING CO., 128A Mott, New York

3742—Die, Jig & Fixture Work

Beehler Steel Products Co., 1449 N 13th, St. Louis, Mo.
See adv index at end of book
Hahn Harry W. Mfg. Co., 629 S San Pedro, Los Angeles, Cal.
Hartvig-McLaurin Mfg. Co., 329 Washington, Oakland, Cal.
Harvey Machine Co., 1335 S Los Angeles, Los Angeles, Cal.
Kunkel Mfg. Co., 781 S San Pedro, Los Angeles, Cal.
Liberty Gauge & Instrument Co., 6545 Carnegie av, Cleveland, Ohio
McMorran Edw. E. & Co., 126 N Union, Chicago, Ill.
Malm & Stahl Tool Works, 561 Washington, Chicago, Ill.
Model Machine Wks., 317 W Pico, Los Angeles, Cal.
Myer-Moran Co. (Die Castings), 522-24 East, Baltimore, Md.
See adv index at end of book
Pennsylvania Tool & Mfg. Co., York, Pa
Precision Tool Co., 71 Columbia, Seattle, Wash.
Standard Die Specialty Co. of Cal., 3103 San Pablo, av, Oakland, Cal.

3743— *Die Pressed Metal

AMERICAN BRASS CO., Waterbury, Conn.
For branch offices see adv index at end of book

3744— Die Sinkers

Bliss E. W. Co. (For Sheet Metal Work), 53rd & 1st av, Brooklyn, N. Y.
Dixon Wm. (Engines Dlrs), 119 Fulton, New York
Drop Die & Engineering Co., 5606 Curtiss av, Cleveland, Ohio
Ellwood City Forge Co., Ellwood City, Pa.
Hart H. C. Mfg. Co., Unionville, Conn.
Kautz Fred C. & Co., 2633 W Lake, Chicago, Ill.
Keller Pneumatic Tool Co., Fond du Lac, Wis.
Kersting J. H., 2 Howard, New York
Konigslow E. Stamping & Tool Works, Cleveland, O.
Mayer Geo. J. & Co., 36 S Meridian, Indianapolis, Ind.
Moise-Klinkner Co., 369 Market, San Francisco, Cal.
Mooney & Bueter, 507 W Jackson blvd, Chicago, Ill.
Ness Geo. M. Jr., 61 Fulton, New York
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Northwestern Stamp Works, 110 E 3d, St. Paul, Minn.
R. & S. Engraving & Die Works, 617-631 W Jackson blvd, Chicago, Ill.
See adv index at end of book
Reed & Skeppstrom, 625 W Jackson blvd, Chicago
See adv index at end of book
Richard Mfg. Co., Bloomsburg, Pa.
SCHODER & LOMBARD STAMP & DIE CO., 202-204 Centre st, New York
See adv index at end of book
Schwerdtle Stamp Co., 43 Cannon, Bridgeport, Conn.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.
Stow Mfg. Co. Inc., Binghamton, N. Y.
See adv index at end of book
Wagenfohr Chas. Sr., 140 W B'way, New York
Walter N. C. & Sons, 3 Park row, New York

3745— Die Sinkers Outfits

Coates Clipper Mfg. Co. ("Portable" Electric & Hand Power), 237 Chandler, Worcester, Mass.

3745a— *Die Stock (Shoe)

COES, LORING & CO., INC. (For Leather & Paper Cutting Dies), Coes sq, Worcester, Mass.
See adv index at end of book

Die Stocks

See Stocks & Dies; also Pipe Cutting & Threading Machines

3746— Dies (Adjustable)

See also Dies, Adjustable Expanding
Brady F. A. Inc., 30 Church, New York
Card S. W. Mfg. Co. (Round), Mansfield, Mass.
Greenfield Tap & Die Corp. ("Little Giant," "Lightening," "Green River," "OK," "G. T. D." Opening Button), Greenfield, Mass.
Murchey Mach. & Tool Co., 951H Porter, Detroit, Mich.
PRATT & WHITNEY CO. (Round Split), Hartford, Conn.
See adv index at end of book
Richards I. P. Co. ("U. S. Standard"), 23 Pemberton, Providence, R. I.
WELLS CORPORATION, THE ("Threadwell" Hexagon), 15 Arch, Greenfield, Mass. *See adv index at end of book*

3747—Dies (Adjustable Expanding)

Alvord Reamer & Tool Co., Dept. H, Millersburg, Pa.
Bignall & Keeler Machine Works (For Use in "B & K" Machines Only), Edwardsville, Ill.
Borden Co., 508 Dane av, Warren, Ohio
Card S. W. Mfg. Co. (Round), Mansfield, Mass.
Carpenter J. M. Tap & Die Co., Pawtucket, R. I.
Conant & Donelson ("Reliable"), Conway, Mass.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Crescent Tool Mfg. Co., 1002 Cass av, St. Louis, Mo.
Dyer Co., 155 Brookline, Cambridge, Mass.
Eastern Machine Screw Corp., Truman & Barclay, New Haven, Conn.
Gardam Wm. & Son, 114 Park pl, New York
Inland Machine Works, 17th & Locust, St. Louis, Mo.
International Harvester Co. ("International"), H Harvester bldg, Chicago,
Morse Twist Drill & Machine Co.("Morse"), New Bedford, Mass.
Perkins Machine Co., Warren, Mass.
Saunders D. Sons, Yonkers, N. Y.
Toledo Pipe Threading Machine Co., 1440 Summit, Toledo, O.
Wells Corporation, The, 15 Arch, Greenfield, Mass. *See adv index at end of book*
Winter Bros. Co. (Round), Wrentham, Mass.

3748—Dies (Armature-Disk Cutting)

Bingham Stamping & Tool Co., Post & Albion, Toledo, Ohio
See adv index at end of book
BLISS E. W. CO., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Jamestown Die & Tool Corp., Dept. H, Jamestown, N. Y.
Krag Franz K., 542 W Jackson blvd, Chicago, Ill.
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.
Modern Tool, Die & Machine Co., 216-220 N Fourth, Columbus, O.
North Side Tool Co., The, 17-19 Maryland av, Dayton, O.

3749— Dies (Automatic)

Beehler Steel Products Co., 1449 N 13th, St. Louis, Mo.
See adv index at end of book
BINGHAM STAMPING & TOOL CO., Post & Albion, Toledo, Ohio
See adv index at end of book
BLISS E. W. CO., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Columbia Metal Stamping Co., Cleveland, Ohio
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Eagle Engng. Co., Springfield, O.
Eastern Machine Screw Corp., Truman & Barclay, New Haven, Conn.
Gardam Wm. & Son, 114 Park pl, New York
Geometric Tool Co. ("Geometric" Self-Opening & Adjustable), New Haven, Conn.
Hartford Machine Screw Co., Hartford, Conn.
Ideal Foundry & Machinery Co., Beaver Falls, Pa.
Keller Mech. Eng. Co. ("Keller"), 74 Washington, Brooklyn, N. Y.
Krag Franz K., 542 W Jackson blvd, Chicago, Ill.
Jones & Lamson Machine Co. ("Hartness"), Springfield, Vt.
Landis Machine Co., Waynesboro, Pa.
Meyers Willard F., Bedford, Ind.
Murchey Mach. & Tool Co., 951H Porter, Detroit, Mich.
Nelson Tool Co., Inc., 782 E 142d, New York
North Side Tool Co., 17-19 Maryland av, Dayton, Ohio
Perkins Machine Co., Warren, Mass.
Rickert-Shafer Co. ("R. S."), Erie, Pa.
Scott & Sons Co. (Expanding), Medford, Mass.
Swaine F. J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.
V. & O. Press Co., Dry Hrbr rd, Glendale Station, N. Y.

3750— Dies (Automobile)

Alvord Reamer & Tool Co., Dept. H, Millersburg, Pa.
BINGHAM STAMPING & TOOL CO., Post & Albion, Toledo, Ohio
See adv index at end of book
Drop Die & Engineering Co., 5606 Curtiss av, Cleveland, Ohio
Franklin Die & Tool Co., Columbus, Ohio
Greenfield Tap & Die Corp. ("Little Giant," "Giant," "OK," "G. T. D." Threads), Greenfield, Mass.
Jamestown Die & Tool Corp., Dept. H, Jamestown, N. Y.
McDowell Mfg. Co., Stanton av, Pittsburgh, Pa.
Modern Tool, Die & Machine Co., 216-220 N Fourth, Columbus, O.
Monarch Tool & Mfg. Co., The, 133 Opera pl, Cincinnati, O.
Richards I. P. Co. ("U. S. Standard"), 23 Pemberton, Providence, R. I.
Wells Corporation (The), 15 Arch, Greenfield, Mass. *See adv index at end of book*
Zeigler Mfg. Co., Alexandria, Ind.

3750a— *Dies (Bakelite)

SCHODER & LOMBARD STAMP & DIE CO., INC. (Made the Salco Master Way they produce clear, faultless markings. Filler in sunk depressions made with our dies stay put), 204½ Centre st, New York
See adv index at end of book
Security Tool Works, 115 S Clinton, Chicago, Ill.

3750b— Dies (Bell)

See also Dies, Punching

Cyclops Foundry Co., Union Bank bldg, Pittsburgh, Pa.
Pittsburgh Iron & Steel Foundries Co., H, Oliver bldg, Pittsburgh, Pa.
Richards I. P. Co. ("U. S. Standard"), 23 Pemberton, Providence, R. I.

3751— Dies (Bending)

Austin & Smith Co., 164 Brewery, New Haven, Conn.
See adv index at end of book
BLISS E. W. CO., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Drop Die & Engineering Co., 5606 Curtiss av, Cleveland, Ohio
Jamestown Die & Tool Corp., Dept. H, Jamestown, N. Y.
Modern Tool, Die & Machine Co., 216-220 N Fourth, Columbus, O.
Nelson Tool Co., Inc., 782 E. 142d, New York
Swaine Fred. J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.
Zeigler Mfg. Co., Alexandria, Ind.

3751a— *Dies (Bit Brace)

Greenfield Tap & Die Corp. ("G. T. D."), Greenfield, Mass.
Hooper Sons Mfg. Co., Dept. H, Juniper & Cherry, Phila., Pa.

3752— Dies (Blacksmiths')

Am. Die & Tool Co., Reading, Pa.
Champion Blower & Forge Co., Lancaster, Pa.
Greenfield Tap & Die Corp., Greenfield, Mass.
Richards I. P. Co. ("U. S. Standard"), 23 Pemberton, Providence, R. I.
Sterling Drop Forge Works, Cicero, Ill.

3753— Dies (Blanking)

See also Dies, Punching

Austin & Smith Co., 164 Brewery, New Haven, Conn.
See adv index at end of book
Beehler Steel Products Co., 1449 N 13th. St. Louis, Mo.
See adv index at end of book
BINGHAM STAMPING & TOOL CO., Post & Albion, Toledo, Ohio
See adv index at end of book
BLISS E. W. CO. (For Sheet Metal Work), 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
California Tool Works, 181 Beale, San Francisco, Cal.
COLUMBUS DIE, TOOL & MACHINE CO., (THE), 955 Cleveland, Columbus, Ohio
Crellin Machine Co., 123 Llewellyn, Los Angeles, Cal.
Eagle Engineering Co., Springfield, O.
Franklin Die & Tool Co., Columbus, O.
Gasket Supply Co. (For All Kinds of Sheet Metal Work), 1927 Ludlow, Phila., Pa.
See adv index at end of book
General Machine & Mfg. Co., 544 Irnston av, Bridgeport, Conn.
Geuder Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Jamestown Die & Tool Corp., Dept. H, Jamestown, N. Y.
Jaxon Co., 1010-12-14 Jackson, Toledo, O.
Keystone Gasket Mfg. Co., 829 N 4th, Philadelphia, Pa.
See adv index at end of book
Kinzig Tool Co., 1239H W 3rd, Cleveland, O.
Krag Franz K., 542 W Jackson blvd, Chicago, Ill.
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.
Lucas Charles H., 153 Alder, Waltham, Mass.
Mehl Mach. Tool & Die Co., Roselle, N. J.
Meyers W. F. Gage Co. ("Meyers"), Bedford, Ind.
Modern Tool, Die & Machine Co., 216-220 N Fourth, Columbus, O.
Nelson Tool Co., Inc., 782 E 142d, New York
Newman Tool Co., 241 Centre, New York
North Side Tool Co., The, 17-19 Maryland av, Dayton, O.
Perfection Machine & Tool Works, 1563 E 22nd, Los Angeles, Cal.
R. & S. Engraving & Die Works, 617-631 W Jackson blvd, Chicago, Ill.
See adv index at end of book
Reed & Skeppstrom, 625 W Jackson blvd, Chicago
See adv index at end of book
Richards I. P. Co. ("U. S. Standard"), 23 Pemberton, Providence, R. I.
SCHODER & LOMBARD STAMP & DIE CO., INC. (Dies for forming, trimming, blanking, etc., that give maximum production), 204½ Centre st, New York
See adv index at end of book
Special Tool & Machine Co., 410H Dorchester av, Boston, Mass.
Swaine Fred J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.
Western Tool & Die Works, 109 N 3rd, Portland, Ore.
Zeigler Mfg. Co., Alexandria, Ind.

3754— Dies (Bolt Cutter)

Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book

3755—Dies (Bolt Threading, Solid, Etc.)

Alvord Reamer & Tool Co., Dept. H, Millersburg, Pa.
Armstrong Mfg. Co. ("Armstrong," Adjustable Bolt Threading), 305 Knowlton, Bridgeport, Conn.
Bay State Tap & Die Co. ("Bay State" Machine or Solid Bolt), Mansfield, Mass.
Bignall & Keeler Machine Works (For Use in "B & K" Machines Only), Edwardsville, Ill.
Brown H. B. Co., East Hampton, Conn.
Brubaker W. L. & Bros. (Solid), Millersburg, Pa.
Card S. W. Mfg. Co. (Machine or Solid), Mansfield, Mass.
Carpenter J. M. Tap & Die Co. (Solid Boynton & Plummer), Pawtucket, R. I.
Greenfield Tap & Die Corp. ("Little Giant," "Lightning," "Green River," Round, Square, Hexagonal), Greenfield, Mass.
Landis Machine Co., Waynesboro, Pa.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
Polk A. J. & Son Co., Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Reed Mfg. Co., Erie, Pa.
Standard Tool Co., 6700 Central av, Cleveland, O.
Webster & Perks Tool Co., Springfield, O.
Wells Corporation, The, 15 Arch, Greenfield, Mass. *See adv index at end of book*
Winter Bros. Co. ("Thistle"), Wrentham, Mass.

3756— Dies (Box Printing)

American Name Plate Co., 352 Atlantic av, Boston, Mass.
Becker August Engraving Co., 78 Portland, Boston, Mass.
BORGSTROM G. J., INC., 118 S Clinton, Chicago, Ill.
Dickey Grabler Works, of the Bankers Savings & Credit System Co., W Madison & 103rd, Cleveland, Ohio
Fries Anthony J., 717 Sycamore, Cincinnati, Ohio
Koehler Henry L. Mfg. Co., Louisville, Ky.
Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa.
See adv index at end of book
Mayer Geo. J. & Co., 4339 Winthrop, Indianapolis, Ind.
Moise-Klinkner Co., 369 Market, San Francisco, Cal.
Mooney & Bueter, 507 W Jackson blvd, Chicago, Ill.
Murdock W. Jas. Co., 116 Opera pl, Cincinnati, O.
Northwestern Stamp Works, 110 E 3rd, St. Paul, Minn.
Pannier Bros. Stamp Co., 207-9 Sandusky, Pittsburgh, Pa.
Pittsburgh Stamp Co. Inc., 217H Canal, Pittsburgh, Pa.
R. & S. Engraving & Die Works, 617-631 W Jackson blvd, Chicago, Ill.
See adv index at end of book
Reed & Skeppstrom, 625 W Jackson blvd, Chicago
See adv index at end of book
Schmutz Mfg. Co., Inc., 17th & Walnut, Louisville, Ky.
SCHODER & LOMBARD STAMP & DIE CO., INC. (Whether of brass or steel, "Salco Master" box printing dies give clean impressions and require the minimum amount of attention and cleaning out when in operation), 204½ Centre, New York
See adv index at end of book
Schridde Wm., 358 W Madison, Chicago, Ill.
Schwerdtle Stamp Co., 43 Cannon, Bridgeport, Conn.
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.

3757—Dies (Brick & Clay Workers')

Fernholtz Brick Machinery Co., Boyle & Vandeventer av, St. Louis, Mo.
Hadfield-Penfield Steel Co. (The), Bucyrus, O. *See adv index at end of book*

Louisville Machine Mfg. Co., Louisville, O.
Mueller Machine Co., Trenton, N. J.
Richards I. P. Co. ("U. S. Stndard"), 23 Pemberton, Providence, R. I.
Sharp Mfg. & Supply Co., New Phila, O.
Steele J. C. & Sons, Statesville, N. C.
Stevenson Co., Wellsville, O.

3758— Dies (Button)

Defiance Button Machine Co., 43 W 24th, New York
Markels Leonard, 145 W 41st, New York
Nelson Tool Co., Inc., 782 E 142d, New York
Richards I. P. Co. ("U. S. Stndard"), 23 Pemberton, Providence, R. I.
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
See adv index at end of book

3759— Dies (Can Makers')

Adriance Machy. Works, 80 Richards, Brooklyn, N. Y.
AMS MAX MACHINE CO ("Ams"), 101 Park av, New York
See adv index at end of book
Ayars Machine Co., Salem, N. J.
BLISS E. W. CO. (For Sheet Metal), 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Browne W. G. Mfg. Co., 1H Stephen, Kingston, N. Y.
Cameron Can Mach. Co., 240 N Ashland av, Chicago, Ill.
Konigslow Otto Mfg. Co., 3506 Perkins av, Cleveland, O.
Lees John, Georgia & Senate av, Indianapolis, Ind.
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.
Matthews Jas. H. & Co. (Marking), 3942 Forbes, Pittsburgh, Pa.
See adv index at end of book
Nelson Tool Co., Inc., 782 E 142d, New York.
Ranz Stamping Tool Co., 1509 N Broadway, St. Louis, Mo.
Seattle Astoria Iron Wks., 601H Myrtle, Seattle, Wash.
Stecher Chas. Co., 1580 Crossing, Chicago, Ill.
Swaine F. J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.
Wold, Torris & Co., 240 N Ashland av, Chicago, Ill.
Wright Traffic Signal Co., 844 W 6th, Cincinnati, O.

3760—Dies (Chilled Hammer)

American Brake Shoe & Foundry Co. (Steel), 30 Church, New York
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Marchant Geo. F. Co., 1420 S Rockwell, Chicago, Ill.
Philadelphia Roll & Machine Co. (Cast Iron), 52nd & Grays av, Phila., Pa.
Pittsburgh Iron & Steel Foundries Co., H Oliver bldg, Pittsburgh, Pa.

3760a—Dies (Chilled Iron)

Phila. Roll & Machine Co., 52nd & Grays av, Phila., Pa.

3761—Dies (Compression Rivet)

Cleveland Steel Tool Co., 662 E 82nd, Cleveland, Ohio
See adv index at end of book
Marchant Geo. F. Co., 1420 S Rockwell, Chicago, Ill.
Richards I. P. Co. ("U. S. Stndard"), 23 Pemberton, Providence, R. I.

3762— Dies (Corrugated)

Independent Die Co., Brockton, Mass.

3763— Dies (Cutting)

Adams-Campbell Co., 1730 S Los Angeles, Los Angeles, Cal.
Adams John J. (For Leather, Cloth, Rubber, Paper, etc), South Quinsigamond av, Worcester, Mass.
Adriance Machine Works, 80 Richards, Brooklyn, N. Y.
Advance Felt & Cutting Co., 320H S Jefferson, Chicago, Ill.
Ainslie Machine & Tool Works, 35 Jefferson av, Hartford, Conn.
Am. Die & Tool Co., Reading, Pa.
Anderson Tool Co., Elyria, O.
Angelus Tool & Machine Co., 297 San Fernando rd, Los Angeles, Cal.
Atcheson Tool & Die Co., Columbus, O.
Atlas Indicator Works, 160 N Wells, Chicago, Ill.
Austin & Smith Co., 164 Brewery, New Haven, Conn.
See adv index at end of book
Beach Mfg. Co., Little bldg, Boston, Mass.
Beard Machine Co. Inc., 350 Walton av, New York
Beaudry T. J. & Son, Marlboro, Mass.
Beehler Steel Products Co., 1449 N 13th, St. Louis, Mo.
See adv index at end of book
BINGHAM STAMPING & TOOL CO., Post & Albion, Toledo, Ohio
See adv index at end of book
BLISS E. W. CO. (For Sheet Metal), 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Brockton Die Co., Brockton, Mass.
Carpenter L. A., Press Metal Co. Cambridge, Mass.
Cedar Tool & Gage Corp. (To Order), 1361 State, Bridgeport, Conn.
Central Tool & Die Co., Dayton, O.
City Machine & Tool Wks., Dayton, O.
Columbia Metal Stamping Co., Cleveland, Ohio
Crellin Machine Co., 123 Llewellyn, Los Angeles, Cal.
Crescent Tool Mfg. Co., 1002 Cass av, St. Louis, Mo.
CROWN DIE & TOOL CO., 2640 N Keeler av, Chicago, Ill.
Dayton Machine Products Co., Dayton, O.
Dayton Reliance Tool & Mfg. Co., Dayton, Ohio
Dewes John-Gumbs Die Co. (For Paper, Envelopes, Shirts, Pocketbooks, Fabrics, etc), 403 Broome, New York
Eagle Engineering Co., Springfield, O.
Ferracute Machine Co. (Sheet Metal), Bridgeton, N. J.
Franklin Die & Tool Co., Columbus, O.
Garbe Mfg. Co., 1723 San Fernando rd, Los Angeles, Cal.
Gasket Supply Co. (For Leather, Cloth, Rubber, Paper, etc.), 1927 Ludlow, Phila., Pa. *See adv index at end of book*
Geiras Mfg. Co., 4173 156th, New York
Gem Mfg. Co., Goebel nr. Fulton NS, Pittsburgh, Pa. *See adv index at end of book*
Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Griswold George M. Machine Co., Brdly & William, New Haven, Conn.
Hahn Harry W. Mfg. Co., 629 S San Pedro, Los Angeles, Cal.
Harry Bros. Mfg. Co., 282 Woodbridge, E Detroit, Mich.
Harvey Machine Co., 1333 S Los Angeles, Los Angeles, Cal.
Hibbard L. R., 706 N Main, Los Angeles, Cal.
Hoggson & Pettis Mfg. Co. (Paper, Cloth & Rubber), New Haven, Conn.
Independent Die Co. (For Leather, Cloth, Paper, Rubber, etc), Brockton, Mass.
Inland Machine Works, 17th & Locust, St. Louis, Mo.
Jamestown Die & Tool Corp., Dept. H, Jamestown, N. Y.
John's Stamping & Machine Works Co., 1715 Leonard, Cleveland, O.
Keystone Gasket Mfg. Co., 829 N. 4th st, Philadelphia, Pa.
See adv index at end of book
Knox J. E. & Co., Lynn, Mass.
Konigslow Otto Mfg. Co., 3506 Perkins av, Cleveland, O.
Krag Franz K., 542 W Jackson blvd, Chicago, Ill.
Larkin Specialty Mfg. Co., 268 1st, San Francisco, Cal.
Lees John, Georgia & Senate av, Indianapolis, Ind.
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.
Lidseen, Gustave, 832 S Central av, Chicago, Ill.
Loshbough-Jordan Tool & Machine Co., Elkhart, Ind.
Loy & Nawrath Co., 25 Runyon, Newark, N. J.
Loyd Jno. Co., 1 Franklin, New York
McCulloch Mfg. Co., 200 Old Colony av, Boston, Mass.
Mayer Geo. J. & Co., 36 S Meridian, Indianapolis, Ind.
Mehl Machine Tool & Die Co. (Paper, Cloths & Rubber), Roselle, N. J.
Michigan Pressed Steel Co., 229 Artillery, Detroit, Mich.
Milford Machine & Tool Co., New Haven av, Milford, Conn.
Mitchell Jno. R. Co., 702 S Washington, Baltimore, Md.
Modern Pattern Co., 150 Clinton, Milwaukee, Wis.
Modern Tool, Die & Machine Co., 216-220 N Fourth, Columbus, O.
Monarch Engineering Co., 230 E First, Dayton, O.
Moore Eastwood Co., 116 E 4th, Dayton, O.
National Acme Co. ("Namco"), 7500 Stanton av S E, Cleveland, O.
Nelson Tool Co., Inc., 782 E 142nd, New York
Nestor Mfg. Co., 40 W 13th, New York
Newman Manufacturing Co., 542 W Jackson, Chicago, Ill.
New York Die-White-Schroeder Co., 245 Center, New York
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
North Side Tool Co., The, 17-19 Maryland av, Dayton, O.
Norton B. W. Mfg. Co., E 10th & 30th av, Oakland, Cal.
Nye Tool & Machine Works, 108 N Jefferson, Chicago, Ill.
Osborne C. S. & Co. (For Cloth, Leather & Paper), Box 183, Newark, N. J.
See adv index at end of book
Parkesburg Stamping & Mfg. Co., Parkesburg, Pa.
Perfection Machine & Tool Works, 1563 E 22nd, Los Angeles, Cal.
Perkins Machine Co., Warren, Mass.
PRATT & WHITNEY CO., Hartford, Conn.
See adv index at end of book
QUADRIGA MFG. CO., 212 W Grand av, Chicago, Ill. *See adv index at end of book*
Randall J. D. Co. (Leather Cutting), 610 W Court, Cincinnati, O.
Ranz Stamping Tool Co., 1509 N Broadway, St. Louis, Mo.
Richards I. P. Co. ("U. S. Standard"), 23 Pemberton, Providence, R. I.
Richard Mfg. Co., Bloomsburg, Pa.
Rochester Cutting Die Co., Rochester, N. Y.
Rock River Machine Co., Janesville, Wis.
S-P Manufacturing Co., 872 E 72nd, Cleveland, O.
Schroeder H. D., 800 Date, Los Angeles, Cal.
Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.
Snedden Machine Works, 1972 S Los Angeles, Los Angeles, Cal.
Special Tool & Machine Co., 410H Dorchester av, Boston, Mass.
Standard Die Specialty Co. of Cal., 3103 San Pablo av, Oakland, Cal.
Standard Tool Co., 6700 Central av, Cleveland, O.
Steel Products Engineering Co., Springfield, O.
Stoll D. H. Co., 30 Lansing, Buffalo, N. Y.
See adv index at end of book
Stortz John & Son, 210 Vine, Phila., Pa.
Superior Die Tool & Machine Co., Columbus, O.
Swaine F. J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.
Thompson E. R. Mach. Wks., N 336 Post, Spokane, Wash.
Toledo Machine & Tool Co., Toledo, O.
Twin-O-Matic Machine & Tool Co. Inc., 166 John, Bklyn, N. Y.
Universal Machine & Tool Co., 601 Mahoning rd N E, Canton, O.
Utility Tool & Die Co., 2941 Monroe, Dayton, O.
V. & O. Press Co., Dry Hrbr. rd, Glendale Station, N. Y.
Verdin Kappes & Verdin Co., Cincinnati, Ohio
Western Tool & Die Works, 109 N 3rd, Portland, Ore
Wilcox W. W. Co., 1735 Armitage av, Chicago, Ill.
Wisconsin Metal Products Co., Racine, Wis.
Wright Traffic Signal Co., 844 W 6th, Cincinnati, Ohio
Zeidler, William A., Co., 132 Locust av, New York
Zeigler Mfg. Co., Alexandria, Ind.

Dies (Diamond)

See Dies Wire Drawing

3764— Dies (Die Castings)

Coast Mfg. Co., Emeryville, Cal.
Detroit Steel & Casting Co., 4069H Michigan, Detroit, Mich.
Jaxon Co., 1010-12-14 Jackson, Toledo, O.
Kramer H. & Co., 1324 W 21st, Chicago, Ill.
Pratt & Whitney Co. (Die Stock), Hartford, Conn. *See adv index at end of book*
Muzzy Lyon Co. ("Mogul"), 535 Larned W, Detroit, Mich.
Precision Castings Co. Inc., Syracuse, N. Y.
Rex Mfg. Company, 1039 Cotton, Oakland, Cal.
Sandage Die & Tool Co., 409 S San Pedro, Los Angeles, Cal.
Schroeder H. D., 800 Date, Los Angeles, Cal.

3765— Dies (Drawing)

Bauroth E. F., Toledo, O.
Beehler Steel Products Co., 1449 N 13th, St. Louis, Mo.
BINGHAM STAMPING & TOOL CO., Post & Albion, Toledo, Ohio
See adv index at end of book
BLISS E. W. CO., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Columbia Metal Stamping Co., Cleveland, Ohio
Columbus Die, Tool & Machine Co. (For Lamp Work, etc), 955 Cleveland av, Columbus, O.
Drop Die & Engineering Co., 5606 Curtiss av, Cleveland, Ohio
Franklin Die & Tool Co., Columbus, O.
GEUDER PAESCHKE & FREY CO., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Hibbard L. R., 706 N Main, Los Angeles, Cal.
Jamestown Die & Tool Corp., Dept. H, Jamestown, N. Y.
Jaxon Co., 1010-12-14 Jackson, Toledo, O.
Lansing Stamping & Tool Co., Lansing, Mich.
Larkin Specialty Mfg. Co., 268 1st, San Francisco, Cal.
Lees John, Georgia & Senate av, Indianapolis, Ind.
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.
Lenz Machine Wks., 199 Franklin, New York

(Continued on following page)

SALCO TRADE MASTER MARK BRAND

EMBOSSING and STAMPING DIES

Solid and Interchangeable

For use on vanity boxes, cigarette cases, etc., as well as ash, milk and ice cream cans.

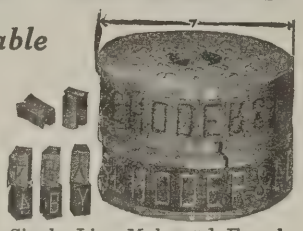


DIES AND VANITY BOX

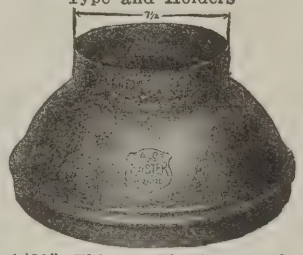
"SALCO MASTER" Embossing Dies Do not cut the metal

Each kind of a die is admirably adapted to its purpose.

This is what insures artistic markings and maximum wear under hard and continuous usage.



Single Line Male and Female Type and Holders



1/20" Thick Milk Can Neck Marked with Our 1" Male and Female Type. Diameter of Neck 7½".

SCHODER & LOMBARD STAMP & DIE CO.

204½ CENTRE ST., NEW YORK, N. Y.

Dies (Drawing)—Continued

Lucas Charles H., 158 Adler, Waltham, Mass.
McDowell Mfg. Co. (The), Millvale sta, Pittsburgh, Pa.
See adv index at end of book
Modern Tool, Die & Machine Co., 216-220 N Fourth, Columbus, O.
Nelson Tool Co., Inc., 782 E 142nd, New York
North Side Tool Co., The, 17-19 Maryland av, Dayton, O.
Richards I. P. Co. ("U. S. Standard"), 23 Pemberton, Providence, R. I.
Saal H. G. Co., 1800 Montrose av, Chicago, Ill.
Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.
Stein Wm. P. & Co., Rochester, N. Y.
Swaine Fred. J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.
Vianney Wire Die Works, 100 5th av, New York
Western Tool & Die Works, 109 N 3rd, Portland, Ore.
Wright Traffic Signal Co., 844 W 6th, Cincinnati, Ohio
Zeigler Mfg. Co., Alexandria, Ind.

3766—Dies (Drawing, Triple Action)

BLISS E. W. CO., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.
Richards I. P. Co. ("U. S. Standard"), 23 Pemberton, Providence, R. I.
Zeigler Mfg. Co., Alexandria, Ind.

3767— Dies (Drop Forging)

Champion Machine & Forging Co, 3690 E 78th, Cleveland, Ohio
See adv index at end of book
Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.
Drop Die & Engineering Co., 5606 Curtiss av, Cleveland, Ohio
Hoeft & Co., 400 N Ashland av, Chicago, Ill.
Hollander & Johnson, 8 Eden, Worcester, Mass.
Keller Mechanical Engraving Co., 70 Washington, Brooklyn, N. Y.
Meyers W. F. Gage Co. ("Meyers"), Bedford, Ind.
Richards I. P. Co. ("U. S. Standard"), 23 Pemberton, Providence, R. I.

3768—Dies (Electro-Plating)

Dittefsen Machine Works, 1119 Pine, Seattle, Wash.
Parkesburg Stamping & Mfg. Co., Parkesburg, Pa.
Precision Tool Co., 71 Columbia, Seattle, Wash.
Sarlandt Oscar J., 268 1st, San Francisco, Cal.
Valley Machine & Tool Works, 611 W Fremont, Stockton, Cal.

3769— Dies (Embossing)

American Name Plate Co., 352 Atlantic av, Boston, Mass.
Austin & Smith Co., 164 Brewery, New Haven. Conn.
See adv index at end of book
Becker August Engraving Co., 78 Portland, Boston, Mass.
BLISS E. W. CO., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Columbia Metal Stamping Co., Cleveland, Ohio
Dickey Grabler Works, of the Bankers Savings & Credit System Co., W Madison & 103rd, Cleveland, Ohio
Gasket Supply Co., 1927 Ludlow, Phila., Pa.
See adv index at end of book
Hanson G. H. Co., 178 N Clark, Chicago, Ill.
Kersting J. H., 2 Howard, New York
Keystone Gasket Mfg. Co., 829 N Fourth st, Philadelphia, Pa.
See adv index at end of book
Konigslow Otto Mfg. Co., 3506 Perkins av, Cleveland, O.
Leffler Chas & Co., 59 Clymer, Brooklyn, N. Y.
Matthews Jas. H. & Co. (Steel), 3942 Forbes, Pittsburgh, Pa.
See adv index at end of book
Mayer Geo. J. & Co., 36 S Meridian, Indianapolis, Ind.
Moise-Klinkner Co., 369 Market, San Francisco, Cal.
Moss Theo. Co., Inc. ("Themco"), 349 Adams, Brooklyn, N. Y.
Nelson Tool Co., Inc., 782 E 142d, New York
Niagara Falls Metal Stamping Works, Niagara Falls N. Y.
Northwestern Stamp Works, 110 E 3d, St. Paul, Minn.
Parkesburg Stamping & Mfg. Co., Parkesburg, Pa.
Pittsburgh Stamp Co. Inc., 817H Canal, Pittsburgh, Pa.
R. & S. Engraving & Die Works, 617-631 W Jackson blvd., Chicago, Ill.
See adv index at end of book
REED & SKEPPSTROM, 65 W Jackson blvd, Chicago, Ill.
See adv index at end of book
Ringler F. A. Co. (Leather), 207 W 25th, New York
SCHODER & LOMBARD STAMP & DIE CO., INC. (For Can Makers, Steel Barrel Makers, etc., as well as for finer and more artistic products. Salco Master Dies do not cut the metal and give deep, clean cut markings. All our dies are right the first time), 204½ Centre st, New York
See adv index at end of book
Schwerdtle Stamp Co., 43 Cannon, Bridgeport, Conn.
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.
Stein Wm. P. & Co., Rochester, N. Y.
Stuppmann C. & Co., W Hoboken, N. J.
Superior Die Tool & Machine Co., Columbus, O.
Swaine F. J Mfg. Co., 7th & O'Fallon, St. Louis, Mo.
Taylor-Shantz Co., Rochester, N. Y.
Wiggins John B. Co., 1104 S Wabash av, Chicago. Ill.

3770-1-2—Dies for Crushing Machinery

Standard Steel Works Co., Morris bldg, Phila., Pa.

Dies (Forming)

See Dies, Stamping

3773-4— Dies (Gas Fixture)

Greenfield Tap & Die Corp. ("G. T. D."), Greenfield, Mass.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Wells Corporation (The), 15 Arch, Greenfield, Mass. *See adv index at end of book*

Dies (Glove Cutting)

See Glove Machinery

3775— Dies (Jewelers)

Atlas Indicator Works, 160H N Wells, Chicago, Ill.
Crucible Steel Co. of Amer., Oliver bldg, Pittsburgh, Pa.

3776—Dies (Machine or Solid Bolt)

Brady F. A. Inc., 30 Church, New York
Greenfield Tap & Die Corp. ("Little Giant," "Lightning," "Green River," "OK," & "G. T. D."), Greenfield, Mass.
Smith R. G. Tool & Mfg. Co., 249 N. J. RR. av, Newark, N. J.

3776a— *Dies (Metric)

Greenfield Tap & Die Corp. ("G. T. D."), Greenfield, Mass.
Wells Corporation (The), 15 Arch, Greenfield, Mass. *See adv index at end of book*

3776b—Dies (Moulded Insulation)

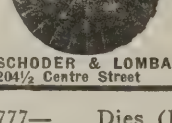
SCHODER & LOMBARD STAMP & DIE CO., INC., 204½ Centre st, New York
See adv index at end of book

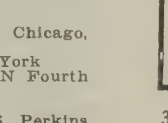
SALCO TRADE MASTER MARK BRAND

MOLDING DIES

For molding Receiver Caps, Dials, Knobs, etc., of Hard Rubber, Bakelite and other compositions. Produces highly polished parts and engraving has just the proper draft.

Make your molding problem ours.





SCHODER & LOMBARD STAMP & DIE CO.
204½ Centre Street New York, N. Y.

3777— Dies (Notching)

Austin & Smith Co., 164 Brewery, New Haven, Conn.
See adv index at end of book
BLISS E. W. CO., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Columbus Die, Tool & Machine Co., 955 Cleveland av, Columbus, O.
Jamestown Die & Tool Corp., Dept. H, Jamestown, N. Y.
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.
Lenz Machine Wks., 199 Franklin, New York
Nelson Tool Co., Inc., 782 E 142d, New York
Rock River Machine Co., Janesville, Wis.
Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.
Swaine Fred. J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.
Zeigler Mfg. Co., Alexandria, Ind.

3778— Dies (Opening)

Acme Machinery Co., 4533 St. Clair av, Cleveland, O.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book

Cox & Sons Co., 5th & Chestnut, Phila., Pa.
Eastern Machine Screw Corp., Truman & Barclay, New Haven, Conn.
Errington F. A. (Automatic), 11 John, New York.
Geometric Tool Co. ("Geometric" Self-Opening), New Haven, Conn.
Jones & Lamson Machine Co. ("Hartness" Automatic), Springfield, Vt.
Murchey Mach. & Tool Co., 941H Porter, Detroit, Mich.
National Acme Co. ("Namco"), 7500 Stanton av S E, Cleveland, O.
National Machinery Co., Tiffin, O.
Perkins Machine Co., Warren, Mass.
Pratt & Whitney Co., Hartford, Conn.
Russell Mfg. Co. ("Russell"), Greenfield, Mass.
Stoll D. H. Co. (The), 30 Lansing, Buffalo, N. Y. *See adv index at end of book*

Dies (Piercing)

See Dies, Punching

3779—Dies (Pipe Threading)

Armstrong Mfg. Co. ("Armstrong"), 305 Knowlton, Bridgeport, Conn.
Bignall & Keeler Machine Works (For Use in "B & K" Machines Only), Edwardsville, Ill.
Borden Co. ("Borden"), 508 Dane av, Warren, Ohio
Brubaker W. L. & Bros. (Solid Gas Pipe), Millersburg, Pa.
Card S. W. Mfg. Co. ("Smith," Adjustable, etc), Mansfield, Mass.
Carpenter J. M., Tap & Die Co., Pawtucket, R. I.
Cox & Sons Co., 5th & Chestnut, Phila., Pa.
Crane Co., 836 S Michigan av, Chicago, Ill. *See adv index at end of book*
Crown Die & Tool Co., 553 W Monroe, Chicago, Ill.
Curtis & Curtis Co., 188 Garden, Bridgeport, Conn.
Dyer Co., 155 Brookline, Cambridge, Mass.
Eastern Machine Screw Corp., Truman & Barclay, New Haven, Conn.
Greenfield Tap & Die Corp. ("G. T. D."), Greenfield, Mass.
Handy Mfg. Co., Bridgeport, Conn.
Hart Mfg. Co. ("Duplex," "Buckeye"), Cleveland, O.
Landis Machine Co., Waynesboro, Pa.
Lenz Machine Wks., 199 Franklin, New York
Los Angeles Valve & Fittings Co., 2741 Compton, Los Angeles, Cal.
Morse Twist Drill & Machine Co. ("Morse," Solid), New Bedford, Mass.
Murchey Mach. & Tool Co., 951H Porter, Detroit, Mich.
National Pipe Die & Machine Co. ("Three-In-One"), Archbold, O.
Nye Tool & Machine Works ("Nye"), 108 N Jefferson, Chicago, Ill.
Polk A. J. & Son Co., Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn.
Reed Manfg. Co., Dept. H, Erie, Pa.
Saunders D. Sons, Yonkers, N. Y.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
Toledo Pipe Threading Machine Co. ("Toledo"), 1440 Summit, Toledo, O.
Walworth Mfg. Co. ("Hill's"), Boston, Mass.
Wells Corporation (The), 15 Arch, Greenfield, Mass. *See adv index at end of book*
Winter Bros. Co. ("Thistle"), Wrentham, Mass.

3780— Dies (Porcelain)

Bucher-Smith Co., East Liverpool, Ohio
Crossley Machine Co., State & Chestnut av, Trenton, N. J.
Geer Machine & Mfg. Co., East Liverpool, Ohio
Kowal Bros., 2411 6th, Berkeley, Cal.
Kuhn & Jacob Machine & Tool Co., Trenton, N. J.
Logan Edw. Machine Co., Trenton, N. J.
Mueller Mach. Co., Trenton, N. J.
Mycock Machine Works, Trenton, N. J.

3781— Dies (Pottery)

Ivens Wm. H. Sons Co. ("Ivens"), P. O. Box 647, Trenton, N. J.

Dies (Press)

See Dies, Punching

3782— Dies (Punching)

Adams-Campbell Co., 1730 S Los Angeles, Los Angeles, Cal.
Adriance Machine Works, 80 Richards Brooklyn, N. Y.
Ainslie Machine & Tool Works, 35 Jefferson av, Hartford, Conn.
Am. Can. Co., 120 B'way, New York *See adv index at end of book*
American Die & Tool Co., Reading, Pa.
American Metal Works, Stenton & Rockland, Gtn., Phila, Pa.
AMS MAX MACHINE CO. ("Ams"), 101 Park av, New York *See adv index at end of book*
Anderson Tool Co., Elyria, O.
Atcheson Tool & Die Co., Columbus, Ohio
Austin & Smith Co., 164 Brewery, New Haven, Conn. *See adv index at end of book*
B. J. Stamping Co., The, 1435-1437 Dorr, Toledo, O.
Baldwin C. S. Mfg. Co., Cherry, Milford, Conn.
Bauroth E. F., Toledo, O.
Beard Machine Co. Inc., 850 Walton av, New York
Beehler Steel Products Co., 1449 N 13th, St. Louis, Mo. *See adv index at end of book*
Bettcher Stamping & Mfg. Co. (The), Clark av, Cleveland, Ohio
Bliss A. H. & Co., No. Attleboro, Mass.
BLISS E. W. CO., 53rd & 1st av, Brooklyn, N. Y. *See adv index at end of book*
California Tool Works, 181 Beale, San Francisco, Cal.
Cannon T. J. & Sons Machine Co., Lynn, Mass.
Carpenter L. A. Press Metal Co., Cambridge, Mass.
Central Machine Works, Inc., 940 Santee, Los Angeles, Cal.
Central Tool & Die Co., Dayton, O.
City Mach. & Tool Wks., Dayton, O.
Clegg Mfg. & Tool Co., Attleboro, Mass.
Cleveland Metal Stamping Co., Cleveland, Ohio
Cleveland National Machine Co., 1366 W 70th, Cleveland, O.
Cleveland Punch & Shear Works Co., 3917 **St. Clair av, N E, Cleveland, O.** *See adv index at end of book*
CLEVELAND STEEL TOOL CO., 662 E 82nd, Cleveland, Ohio *See adv index at end of book*
Columbia Metal Stamping Co., Cleveland, Ohio
Columbus Die, Tool & Machine Co., 955 Cleveland av, Columbus, O.
Crellin Machine Co., 123 Llewllyn, Los Angeles, Cal.
Crescent Tool Mfg. Co., 1002 Cass av, St. Louis, Mo.
Dayton Stamping & Tool Co., Dayton, O.
Detroit Metal Spinning Co., 625H Monroe av, Detroit, Mich.
Diamant Tool & Mfg. Co. ("Diamant"), 97 Runyon, Newark, N. J.
Dickey Grabler Works of the Bankers Savings & Credit System Co., W Madison & 103rd, Cleveland, Ohio
Dittefsen Machine Works, 1119 Pine, Seattle, Wash.
Drop Die & Engineering Co., 5606 Curtiss av, Cleveland, Ohio
Duncan Co., The, 508 Water, Toledo, O.
Eagle Engineering Co., Springfield, O.
Elec. Novelty Works, 965 Howard, San Francisco, Cal.
Franklin Die & Tool Co., Columbus, O.
Garbe Mfg. Co., 1723 San Fernando rd, Los Angeles, Cal.
Gasket Supply Co., 1927 Ludlow, Phila., Pa. *See adv index at end of book*
Gem City Mach. Co., Dayton, O.
GEUDER PAESCHKE & FREY CO., 1314-1790 St. Paul av, Milwaukee, Wis. *See adv index at end of book*
Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.
Gooley & Edlund, Cortland, N. Y.
Grand Rapids Brass Co. (For Sheet Metal), Grand Rapids, Mich.
Gray Iron Foundry Co., Reading, Pa.
Great Lakes Pressed Steel Corp., 1100 Niagara, Buffalo, N. Y.
Hahn Harry W. Mfg. Co., 629 S San Pedro, Los Angeles, Cal.
Hammond Steel Co., Inc. (Forged), Solvay, N. Y.
Hanson Tool & Die Co., 1330 12th, Detroit, Mich.
Harry Bros. Mfg. Co., 282 Woodbridge, E. Detroit, Mich.
Harvey Machine Co., 1333 S Los Angeles, Los Angeles, Cal.
Hatheway Mfg. Co., Bridgeport, Conn.
Hibbard L. R., 706 N Main, Los Angeles, Cal.
Hoeft & Co., 400 N Ashland, Chicago, Ill.
Inland Machine Works, 17th & Locust, St Louis, Mo.
Jamestown Die & Tool Corp., Dept. H, Jamestown, N. Y.
Jaxon Co., 1010-12-14 Jackson, Toledo, O.
Keller Pneumatic Tool Co., Fond du Lac, Wis.
Keystone Gasket Mfg. Co., 829 N 4th st, Philadelphia, Pa. *See adv index at end of book*
Kinzig Tool Co., 1239 W 3rd, Cleveland, O.
Konigslow Otto Mfg. Co., 3506 Perkins av, Cleveland, O.
Kowal Bros., 2411 6th, Berkeley, Cal.
Krag Franz K., 542 W Jackson blvd, Chicago, Ill.
Kunkel Mfg. Co., 781 S San Pedro, Los Angeles, Cal.
Lake Erie Forge Machine Co. (Forged), Cleveland, O.
Larkin Specialty Mfg. Co., 268 1st, San Francisco, Cal.
Lees John, Georgia & Senate av, Indianapolis, Ind.
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.
Lenz Machine Wks., 199 Franklin, New York
Loshbough-Jordan Tool & Machine Co 159 E Marion, Elkhart, Ind.
Lovejoy Tool Works, 319 W Ohio, Chicago, Ill. *See adv index at end of book*
McCulloch Mfg. Co., 200 Old Colony av, Boston, Mass.
Machine Mfg. & Engineering Co., Council Bluffs, Ia.
Mailometer Co., 3455 Jefferson av E, Detroit, Mich.
Marite J. & Sons, 23 Kane, Buffalo, N. Y.
Meyers W. F. Gage Co. ("Meyers"), Bedford, Ind.
Michigan Pressed Steel Co., 229 Artillery, Detroit, Mich.
Mitchell Jno. R. Co., 702 S Washington, Baltimore, Md.
Model Machine Shop, 712-14 N Main, Los Angeles, Cal.
Modern Tool, Die & Machine Co., 216-220 N Fourth, Columbus, O.
Monarch Engng. Co., 230 E 1st, Dayton, O.
Monarch Tool & Mfg. Co. The, 122 Opera pl, Cincinnati, O.
Mossberg Frank Co. (For Metal work), Attleboro, Mass.
Nelson Tool Co., Inc., 782 E 142nd, New York
Nestor Mfg. Co., 40 W 13th, New York
Newman Manufacturing Co., 542 W Jackson, Chicago, Ill.
Newman Tool Co., 241 Centre, New York
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
North Side Tool Co. The, 17-19 Maryland av, Dayton, O.
Pacific Toy & Device Mfg. Co., 227 San Bruno av, San Francisco, Cal.
Paramount Tool & Mfg. Co., 908 Thoma, Seattle, Wash.
Parkesburg Stamping & Mfg. Co., Parkesburg, Pa.
Peck, Stow & Wilcox Co., Southington, Conn.
Perfection Machine & Tool Works, 1568 E 22nd, Los Angeles, Cal.
Perkins Machine Co., Warren, Mass.
Phoenix Metal Stamping Co., 2827H W Fletcher, Phila., Pa.
Pittsburgh Iron & Steel Foundries Co., ("Adamite"), H Oliver bldg, Pittsburgh, Pa.
Poulsen & Nardon, 230 N Los Angeles, Los Angeles, Cal.
PRATT & WHITNEY CO., Hartford, Conn. *See adv index at end of book*
Precision Tool Co., 71 Columbia, Seattle, Wash.
QUADRIGA MFG. CO., 213 W Grand av, Chicago, Ill. *See adv index at end of book*
Rainier Machine & Supply Co., 2462 1st av S, Seattle, Wash.
Ranz Stamping Tool Co., 1509 N B'way, St. Louis, Mo.
Resilient Safewheel Co., Inc., 1829 Cypress, Oakland, Cal.
Richards I. P. Co. ("U. S. Standard"), 23 Pemberton, Providence, R. I.
Roberts Tool Co., Irvington, N. J.
Robinson J. M. Mfg. Co., 106 Carolina st, Cincinnati, O.
ROBINSON TOOL WORKS, INC., Waterbury, Conn. *See adv index at end of book*
Rock River Machine Co., Janesville, Wis.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Saal H. G. Co., 1800 Montrose av, Chicago, Ill.
St. Louis Trunk Hardware Mfg. Co., St. Louis, Mo.
Sandage Die & Tool Co., 409 S San Pedro, Los Angeles, Cal.
Sarlandt Oscar J., 268 1st, San Francisco, Cal.
Saunders Co., 1700 Brooklyn av, Kansas City, Mo.
SCHODER & LOMBARD STAMP & DIE CO., INC., 204½ Centre st, New York *See adv index at end of book*
Schroeder H. D., 800 Date, Los Angeles, Cal.
Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.
Smith Thos. Co., 288 Grove, Worcester, Mass.
Snedden Machine Works, 1972 S Los Angeles, Los Angeles, Cal.
Special Tool & Machine Co., 410H Dorchester av, Boston, Mass.
Spokane Tool & Die Works, W 12 Sprague av, Spokane, Wash.
Standard Die Specialty Co. of Cal., 3103 San Pablo av, Oakland, Cal.
Stein Wm. P. & Co., Rochester, N. Y.
STOLL D. H. CO., 30 Lansing, Buffalo, N. Y. *See adv index at end of book*
Superior Die Tool & Machine Co., Columbus, O.
Superior Metal Products Co., Elyria, O.
Swaine F. J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.
Taylor-Shantz Co., Rochester, N. Y.
Thompson E. R. Mach. Wks., N 336 Post, Spokane, Wash.
Ulmer J. C. Co., 1791 E 38th, Cleveland, Ohio
Universal Machine Works, 209 N Los Angeles, Los Angeles, Cal.
V. & O. Press Co., Dry Hrbr. rd, Glendale Station, N. Y.
Valley Machine & Tool Works, 611 W Fremont, Stockton, Cal.
Verdin, Kappes & Verdin Co., Cincinnati, O.
Victory Mfg. Co., York, Pa.
Vulcan Tool Co., 418 E. 1st, Dayton, O.
Wagniere Mfg. Co., 1011 E Slauson av, Los Angeles, Cal.
Weimann Bros. Mfg. Co., Derby, Conn.
Weiss L. T., 286 Taaffe pl., Brooklyn, N. Y.

(Continued on following page)

Dies (Punching)—Continued

Western Mach. Products Co., E 73rd & St. Claire, Cleveland, O.
Western Tool & Die Works, 109 N 3rd, Portland, Ore.
Winkelman Louis & Co., 213 Lawrence, Cincinnati, O.
Worcester Stamped Metal Co., 9 Hunt, Worcester, Mass.
Wright Traffic Signal Co., 844 West 6th, Cincinnati, Ohio
Zeidler, William A., Co., 182 Locust av, New York
Zeigler Mfg. Co., Alexandria, Ind.

3783— Dies (Ring)

Duncan Co., The, Toledo, O.
Lake Erie Forge & Machine Co. (Forged), Cleveland, O.
Railway Steel Springs Co., 30 Church, New York
Standard Die Stamping & Mfg. Co., Arrott Power bldg, Pittsburgh, Pa.
Western Forge & Tool Works, 209 Jefferson, Oakland, Cal.

3784-5—Dies (Round, Adjustable)

Greenfield Tap & Die Corp ("G. T. D. for Bolt & Pipe), Greenfield, Mass.
Mallometer Co., 3455 Jefferson av, E. Detroit, Mich.
Miller & Herlocker, N. Main & Alameda, Los Angeles, Cal.
Moore & Moore Inc. (Dirs), H Colonial Trust bldg, Reading, Pa.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Wells Corporation (The), 15 Arch, Greenfield, Mass. *See adv index at end of book*

Dies (Round Blanking)

See Dies, Cutting; also Dies, Stamping

3786—Dies (Round Corner Card Cutting)

Detroit Stamping Co., 3445 W Fort, Detroit, Mich.
Ranz Stamping Tool Co., 1509 N B'way, St. Louis, Mo.

3787— Dies (Rubber)

Adams John J. (Cutting), South Quinsigamond av, Worcester, Mass.
Adamson Machine Co., Akron, O.
Banner Machine Co., Columbiana, Ohio
Barbour Bros. (Cutting), Trenton, N. J.
Beaudry T. J. & Son (Cutting), Marlboro, Mass.
Bridgewater Machine Co., Akron, O.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Kautz Fred C. & Co., 2633 W Lake, Chicago, Ill.
Knox J. E. & Co. (Cutting), Lynn, Mass.
Logan Edw. Machine Co., Trenton, N. J.
Loshbough-Jordan Tool & Machine Co., 159 E Marion, Elkhart, Ind.
Mahlow & Wyckoff, Trenton, N. J.
Nelson Tool Co., Inc., 782 E 142d, New York
Pannier Bros. Stamp Co., 207-9 Sandusky, Pittsburgh, Pa.
Pittsburgh Stamp Co. Inc., 817H Canal, Pittsburgh, Pa.
Time & Energy Co. (For Printing Corrugated Paper Boxes), 9 S Clinton, Chicago, Ill.

3788— Dies (Sack Printing)

Northwestern Stamp Works, 110 E 3rd, St. Paul, Minn.
Pittsburgh Stamp Co. Inc., 817H Canal, Pittsburgh, Pa.
R. & S. Engraving & Die Works, 617-631 W Jackson blvd, Chicago, Ill.
See adv index at end of book
Reed & Skeppstrom, 625 W. Jackson blvd, Chicago, Ill.
See adv index at end of book
Schmutz Mfg. Co., Inc., 17th & Walnut, Louisville, Ky.

3789—Dies (Sand Belt Splicing)

Mattison C. Machine Works, Rockford, Ill.
United States Silica Co., 122 S Michigan av, Chicago, Ill.

3790— Dies (Screw Cutting)

See also Screw Plates

Acme Die & Stamping Co., McKees Rocks, Pa.
Bay State Tap & Die Co. ("Bay State"), Mansfield, Mass.
Borden Co., 508 Dane av, Warren, Ohio
Brady F. A. Inc., 30 Church, New York
Bullock C. K. Co., 1357H Ridge av, Phila., Pa.
Butterfield & Co., Derby Line, Vt.
Card S. W. Mfg. Co., Mansfield, Mass.
Cleveland Die & Mfg. Co. (Or Thread Rolling), 744 E 82nd, Cleveland, O.
Eastern Machine Screw Corp., Truman & Barclay, New Haven, Conn.
Geometric Tool Co. ("Geometric," Self-Opening & Adjustable), New Haven, Conn.
Greenfield Tap & Die Corp., Greenfield, Mass. ("Little Giant," "Lightning," "Green River," "OK," "G. T. D."), Greenfield, Mass.
Hart Mfg. Co. ("Duplex," "Buckeye"), Cleveland, O.
Ideal Foundry & Machinery Corp. ("Ideal" Self Opener), Beaver Falls, Pa.
Keystone Reamer & Tool Co., Dept. H, Millersburg, Pa.
Landis Machine Co., Waynesboro, Pa.
Morse Twist Drill & Machine Co. ("Morse") New Bedford, Mass.
Murchey Mach. & Tool Co., 951H Porter, Detroit, Mich.
National Acme Co. ("Namco"), 7500 Stanton av, S E, Cleveland, O.
National Acme Mfg. Co., 559 W Washington, Chicago, Ill.
Pratt & Whitney Co. ("Woodbridge"), Hartford, Conn.
See adv index at end of book
Standard Tool Co., 6700 Central av, Cleveland, O.
Victor Tool Co. ("Victor"), Waynesboro, Pa.
Wells Corporation (The), 15 Arch, Greenfield, Mass. *See adv index at end of book*
Winter Bros. Co. ("Thistle"), Wrentham, Mass.

3791— Dies (Self-Opening)

See also Dies, Opening

Allen Chas. G. Co. ("Diamond"), Barre, Mass.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Eastern Machine Screw Corp., Truman & Barclay, New Haven, Conn.
Ideal Foundry & Machinery Corp. ("Ideal"), Beaver Falls, Pa.
Murchey Mach. & Tool Co. ("Murchey" Automatic), 951H Porter, Detroit, Mich.
National Acme Co. ("Namco"), 7500 Stanton av, S E, Cleveland, O.
Victor Tool Co. ("Victor"), Waynesboro, Pa.

3792-3— Dies (Sewer Pipe)

Hadfield-Penfield Steel Co. (The), Bucyrus, O. *See adv index at end of book*
Sharp Mfg. & Supply Co., New Phila., O.

Dies (Sheet Metal Working)

See Dies, Stamping

3794— Dies (Soap)

Fries Anthony J, 717 Sycamore, Cincinnati, O.
Houchin-Aiken Co., 26 Court, Brooklyn, N. Y.
Mooney & Bueter, 507 W Jackson blvd, Chicago, Ill.
Pittsburgh, Stamp Co., Inc., 8171H Canal, Pittsburgh, Pa.
Schridde Wm., 358 W Madison, Chicago, Ill.
Schmutz Mfg. Co., Inc., 17th & Walnut, Louisville, Ky.
Sowers Mfg. Co., 1320 Niagara, Buffalo, N. Y.

3795-6-7— Dies (Solid)

Brady F. A. Inc., 30 Church, New York
Card S. W. Mfg. Co. (Machine or Bolt & Square Pipe), Mansfield, Mass.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
CROWN DIE & TOOL CO. ("Crown"), 2640 N Keeler av, Chicago, Ill.
Greenfield Tap & Die Corp. ("G. T. D." Square Hexagon), Greenfield, Mass.
Morse Twist Drill & Machine Co. ("Morse"), For Boynton & Plummer's Bolt Cutters & for Pipe), New Bedford, Mass.
Pratt & Whitney Co. (Adjustable), Hartford, Conn. *See adv index at end of book*
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Standard Tool Co., 6700 Central av, Cleveland, O.

Dies (Solid Bolt)

See Dies, Bolts, Threading

3798—Dies (Spring or Prong)

Carpenter J. M. Tap & Die Co., Pawtucket, R. I.
Greenfield Tap & Die Corp. ("G. T. D.," "Acorn"), Greenfield, Mass.
National Acme Co. ("Namco"), 7500 Stanton av, S E, Cleveland, O.
Standard Tool Co., 6700 Central av, Cleveland, O.

3799— Dies (Stamping)

Acme Mfg. Co., 1647 Howard, Detroit, Mich.
Acme Stamping & Mfg. Co., Corliss & Rudd, Pittsburgh, Pa.
Adams-Campbell Co., 1730 S Los Angeles, Los Angeles, Cal.
Adriance Machine Works, 80 Richards, Brooklyn, N. Y.
Advance Tool Works, 439H N Western av, Chicago, Ill.
Ainslie Machine & Tool Works, 35 Jefferson av, Hartford, Conn.
American Instrument Works Inc., 18 E Lacock, Pittsburgh, Pa.
American Metal Works, Stenton & Rockland, Gtn., Phila, Pa.
American Tool & Mfg. Co., Urbana, Ohio
Anderson Machine & Foundry Co., Anderson, S. C.
Anderson Tool Co., Elyria, O.
Apex Mfg. Co., Ft. Powell, Oakland, Cal.
Atcheson Tool & Die Co., Columbus, O.
Atlas Indicator Works, 160H N Wells, Chicago, Ill.
Austin & Smith Co., 164 Brewery, New Haven, Conn.
See adv index at end of book
Baldwin C. S. Mfg. Co., Cherry, Milford, Conn.
Bauroth E. F., Toledo, O.
Beehler Steel Products Co., 1449 N 13th, St. Louis, Mo.
Bettcher Stamping & Mfg. Co. (The), Clark av, Cleveland, Ohio
Bethlehem Steel Co., Bethlehem, Pa.
BINGHAM STAMPING & TOOL CO., Post & Albion, Toledo, Ohio
See adv index at end of book
BLISS E. W. CO., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Boesch Lamp Co., 962 Mission, San Francisco, Cal.
Brown F. S. & G. L. Machine Co., 26H E Fort av, Baltimore, Md.
California Tool Works, 131H Beale, San Francisco, Cal.
Canton Foundry & Machine Co. (For Sheet Metal), Canton, O.
See adv index at end of book
Carpenter L. A. Press Metal Co., Cambridge, Mass.
Cassaday Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Central Machine Works, Inc., 940 Santee, Los Angeles, Cal.
City Machine & Tool Wks., Dayton, O.
Cleveland Metal Stamping Co., Cleveland, Ohio
Cleveland Punch & Shear Works Co., 3917 St. Clair av, N E Cleveland, O.
See adv index at end of book
Columbia Metal Stamping Co., Cleveland, O.
COLUMBUS DIE, TOOL & MACHINE CO. (THE), 955 Cleveland av, Columbus, O.
Continental Machine Works, Oakland, Cal.
Conner Mfg. Co., 225 Natoma, San Francisco, Cal.
Crellin Machine Co., 123 Llewllyn, Los Angeles, Cal.
Crescent Tool Mfg. Co., 1002 Cass av, St. Louis, Mo.
Davis K. A. Mfg. Co., 167 13th, Oakland, Cal.
Dayton Mach. Products Co., Dayton, O.
Detroit Metal Spinning Co., 625H Monroe av, Detroit, Mich.
DETROIT STAMPING CO., 3445 W Fort, Detroit, Mich.
Dickey Grabler Works, of the Bankers Savings & Credit System Co., W Madison & 103rd, Cleveland, Ohio
Dimler Machine Tool Co., Dayton, Ohio
Dittefsen Machine Works, 1119 Pine, Seattle, Wash.
Duncan Co., The, 508 Water, Toledo, O.
Eagle Engineering Co., Springfield, O.
Elec. Novelty Works, 965 Howard, San Francisco, Cal.
Ferracute Machine Co., Bridgeton, N. J.
Fostoria Machine & Tool Co., Fostoria, O.
Franklin Die & Tool Co. (The), Columbus, O.
Fruchey Mfg. Co., 429 Bagg, Detroit, Mich.
G G G Metal Stamping Co., Warren, Pa.
Garbe Mfg. Co., 1723 San Fernando rd, Los Angeles, Cal.
Gardam, Wm. & Son, 114 Park pl., New York
GASKET SUPPLY CO. (For all Kinds of Sheet Metal), 1927 Ludlow, Phila., Pa.
See adv index at end of book
Geer Machine & Mfg. Co., E. Liverpool, O.
GEM MANUFACTURING CO. (For Flat & Drawn Work), Goebel nr Fulton, Pittsburgh, Pa.
See adv index at end of book
GEUDER, PAESCHKE & FREY CO., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Gillespie Machine Co., Phipps Pr. bldg, Pittsburgh, Pa.
Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.
Gooley & Edlund, Cortland, N. Y.
Grammes L. F. & Sons, 311 Union, Allentown, Pa.
See adv index at end of book
Grand Rapids Brass Co. (For Sheet Metal), Grand Rapids, Mich.
Gray Iron Foundry Co., Reading, Pa.
Great Lakes Pressed Steel Corp., 1100 Niagara, Buffalo, N. Y.
Hahn Harry W. Mfg. Co., 629 S San Pedro, Los Angeles, Cal.
Hanson Clutch & Machy. Co., Tiffin, O.
Hanson Tool & Die Co., 1330 12th, Detroit, Mich.
Harry Bros. Mfg. Co. (Brass), 1303 Woodbridge, E Detroit, Mich.

Hartvig-McLaurin Mfg. Co., 329 Washington, Oakland, Cal.
Harvey Machine Co., 1333 S Los Angeles, Los Angeles, Cal.
Hatheway Mfg. Co., Bridgeport, Conn.
Heartley Machine Variety Iron & Tool Works, 900 Summit, Toledo, O.
Hibbard L. R., 706 N Main, Los Angeles, Cal.
Hoeft & Co., 400 N Ashland av, Chicago, Ill.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Inland Machine Works, 17th & Locust, St. Louis, Mo.
Jamestown Die & Tool Corp., Dept. H, Jamestown, N. Y.
Jaxon Co., 1010-12-14 Jackson, Toledo, O.
Johnson & Biddle Tool Co., Elkart, Ind.
Johnson & Walters Mfg. Co., 101 Baltimore av, Detroit, Mich.
Keystone Gasket Mfg. Co., 829 N 4th, Philadelphia, Pa.
See adv index at end of book
Kohler Die & Specialty Co., De Kalb, Ill.
Konigslow E. Stamping & Tool Works, Cleveland, O.
Konigslow Otto Mfg. Co., 3506 Perkins av, Cleveland, O.
Krag Franz K., 542 W Jackson, Chicago, Ill.
Krebs Mfg. Co., 3419 E Ohio, Chicago, Ill.
Kunkel Mfg. Co., 731 S San Pedro, Los Angeles, Cal.
Lansing Stamping & Tool Co., Lansing, Mich.
Larkin Specialty Mfg. Co., 268 First, San Francisco, Cal.
Lees John, Georgia & Senate av, Indianapolis, Ind.
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.
Lenz Machine Wks., 199 Franklin, New York
Liberty Gauge & Instrument Co., 6546 Carnegie av, Cleveland, O.
Lippert & Rhenstrom, Kenosha, Wis.
Loafea S., 5740 Elizabeth, Oakland, Cal.
Loshbrough-Jordan Tool & Machine Co., 159 E Marion, Elkhart, Ind.
Luitink & Sons Mfg. Co., 775 18th, Milwaukee, Wis.
McCall Machine Works (Sheet Metal), Rochester, N. Y.
McCulloch A. P. Machine Co., 216 High, Boston, Mass.
McDowell Mfg. Co. (The), Millvale sta, Pittsburgh, Pa.
See adv index at end of book
McMorran Edw. E. & Co., 126 N Union, Chicago, Ill.
Mach. Mfg. & Engineering Co., Council Bluffs, Iowa
Marvin W. B. Mfg. Co. ("Marvin"), Urbana, O.
Master Products Co., 6410 Park av, Cleveland, Ohio
Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa. *See adv index at end of book*
Mehl Machine Tool & Die Co., Roselle, N. J.
Meyers Willard F. Co., Bedford, Ind.
Miami Tool & Die Co., Dayton, Ohio
Michigan Machinery Mfg. Co., Ypsilanti, Mich.
Michigan Pressed Steel Co., 229 Artillery, Detroit. Mich.
Milwaukee Stamping Co., W Allis, Milwaukee, Wis.
See adv index at end of book
Mitchell John R. Co., 702 S Washington, Baltimore, Md.
Model Machine Shop, 712-14 N Main, Los Angeles, Cal.
Modern Die & Stamping Co., 623 E 12th, Los Angeles, Cal.
Modern Machine & Tool Co., 3654 Lincoln av, Chicago, Ill.
Modern Tool, Die & Machine Co., 216-220 N Fourth, Columbus, O.
Monarch Tool & Machinery Co., 522 S. Clinton, Chicago, Ill.
Monarch Tool Co., 122 Opera pl, Cincinnati, O.
Moore Eastwood Co., 116 E 4th, Dayton, O.
Mossberg Frank Co., Attleboro, Mass.
Mound Tool Co., 1203 S 7th, St. Louis, Mo.
National Machine & Tool Co., 253 A, Boston, Mass.
Nelson Tool Co., Inc., 782 E 142d, New New York.
Nestor Mfg. Co., 40 W 13th, New York
Newman Mfg. Co. (& Forming), 542 W Jackson, Chicago, Ill.
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Northwestern Stamp Works, 110 E 3rd, St. Paul, Minn.
Northwestern Stamping Co., Burlington, Ia.
North Side Tool Co. The, 17-19, Maryland av, Dayton, O.
Norton B. W. Mfg. Co., E 10th & 30th av, Oakland, Cal.
Paramount Tool & Mfg. Co., 908 Thoma l, Seattle, Wash.
Parkesburg Stamping & Mfg. Co., Parkesburg, Pa.
Perfection Machine & Tool Works, 1568 E 22nd, Los Angeles, Cal.
Perkins Machine Co., Warren, Mass.
Phenix Mfg. Co., Milwaukee, Wis.
Phoenix Spec. Mfg. Co., Inc., 48 Duane, New York
Pittsburgh Iron & Steel Foundries Co., H. Oliver bldg, Pittsburg, Pa.
Pittsburgh Stamp Co. Inc., 317H Canal, Pittsburgh, Pa.
Poulsen & Nardon, 220 N. Los Angeles, Los Angeles, Cal.
Precision Metal Workers, 3100 Carroll av, Chicago, Ill.
Precision Tool Co., 71 Columbia, Seattle, Wash.
QUADRIGA MFG. CO., 213 W Grand av, Chicago, Ill. *See adv index at end of book*
R. & S. Engraving & Die Works, 617-631 W Jackson blvd, Chicago, Ill.
See adv index at end of book
Ranz Stamping Tool Co., 1509 N B'way, St. Louis, Mo.
Reed & Skeppstrom, 625 W Jackson blvd, Chicago, Ill.
See adv index at end of book
Reliance Die & Stamping Co., 515 N La Salle, Chicago, Ill.
Resilient Safewheel Co., Inc., 1829 Cypress, Oakland, Cal.
Richards I. P. Co. ("U. S. Standard"), 23 Pemberton, Providence, R. I.
Saal H. G. Co., 1800 Montrose av, Chicago, Ill.
St. Louis Trunk Hardware Mfg. Co., St. Louis, Mo.
San Francisco Engineering Co., 322 6th, San Francisco, Cal.
Sandage Die & Tool Co., 409 S San Pedro, Los Angeles, Cal.
Sarlandt Oscar J., 268 1st, San Francisco, Cal.
Saunders Co., 1700 Brooklyn av, Kansas City, Mo.
Scalbom Mfg. Co., 11 S Desplaines, Chicago, Ill.
SCHODER & LOMBARD STAMP & DIE CO., INC., 204½ Centre st, New York
See adv index at end of book
Schroeder H. D., 800 Date, Los Angeles, Cal.
Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.
Snedden Machine Works, 1972 S Los Angeles, Los Angeles, Cal.
Special Tool & Machine Co., 410H Dorchester av, Boston, Mass.
Spokane Stamp Works, Spokane, Wash.
Spokane Tool & Die Works, W 12 Sprague av, Spokane, Wash.
Standard Die, Stamping & Mfg. Co., Arrott Power bldg, Pittsburgh, Pa.
Standard Die Specialty Co. of Cal., 3103 San Pablo av, Oakland, Cal.
Standard Machinery Co., Providence, R. I.
Steel Products Engineering Co., Springfield, O.
Stein Wm. P. & Co., Rochester, N. Y.
Stoll D. H. Co., 30 Lansing, Buffalo, N. Y.
See adv index at end of book
Superior Die, Tool & Machine Co., Columbus, O.
Superior Metal Products Co., Elyria, O.
SUPERIOR STAMPING CO., Second & Elm, Cincinnati, O.
Swaine F. J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.
Taylor-Schantz Co., Rochester, N. Y.
Thompson E. R. Mach. Wks., N 336 Post, Spokane, Wash.
Toledo Machine & Tool Co., Toledo, O.
Utility Tool & Die Co., 2942 Monroe, Toledo, O.
V. & O. Press Co., Dry Harbor rd, Glendale Station, N. Y.
Valley Machine & Tool Works, 611 W Fremont, Stockton, Cal.
Verdin, Kappes & Verdin Co., Cincinnati, Ohio
Villinger Mfg. Co., Williamsport, Pa.
Waechtler Walter E., 204 1st, San Francisco, Cal.
Wagniere Mfg. Co., 1011 E Slauson av, Los Angeles, Cal.
Walsh Press & Die Co., 4709 W Kinzie, Chicago, Ill.
Weimann Bros. Mfg. Co., Derby, Conn.
Western Tool & Die Works, 109 N 3d, Portland, Ore.
Wilcox W. W. Co., 1735 Armitage av, Chicago, Ill.
Wolverine Supply & Mfg. Co., Page & Fontella, Pittsburgh, Pa.
Worcester Pressed Steel Co., Worcester, Mass.
See adv index at end of book
Worcester Stamped Metal Co., 9 Hunt, Worcester, Mass.
Wright Traffic Signal Co., 844 W 6th, Cincinnati, Ohio
Zeh & Hahnemann Co. (For Cans, Cutlery, Hardware, etc), Vanderpool, Newark, N. J.
Zeidler, William A. Co., 132 Locust av, New York
Zeigler Mfg. Co., Alexandria, Ind.

Dies (Steam Hammer)

See Dies, Chilled Hammer

3800—Dies (Steel, Soft Back)

The Hammond Steel Co., Inc., Solvay, New York

3801— Dies (Stencil Cutting)

Dickey Grabler Works of the Bankers Savings & Credit System Co., W. Madison & 103rd, Cleveland, O.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa.
See adv index at end of book
Moise-Klinkner Co., 369 Market, San Francisco, Cal.
Ness Geo. M. Jr., 61 Fulton, New York
Pittsburgh Stamp Co., Inc., 317H Canal, Pittsburgh, Pa.
R. & S. Engraving & Die Works, 617-631 W Jackson blvd, Chicago, Ill.
See adv index at end of book
Reed & Skeppstrom, 625 W Jackson blvd, Chicago, Ill.
See adv index at end of book
SCHODER & LOMBARD STAMP & DIE CO. INC., 204½ Centre, New York
See adv index at end of book
Smith R. H. Mfg. Co., Springfield, Mass.
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.

3802-3-4—Dies (Sub-Press)

Austin & Smith Co., 164 Brewery, New Haven, Conn.
See adv index at end of book
Beehler Steel Products Co., 1449 N 13th, St. Louis, Mo.
See adv index at end of book
Cleveland Metal Stamping Co., Cleveland, Ohio
Columbia Metal Stamping Co., Cleveland, Ohio
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Griswold Geo. M. Machine Co. (Four Pillar), Brdly & Wm, New Haven, Conn.
Hoeft & Co., 400 N Ashland av, Chicago, Ill
Inland Machine Works, 17th & Locust, St. Louis, Mo.
Keller Pneumatic Tool Co., Fond du Lac, Wis.
Lucas Charles H., 158 Alder, Waltham, Mass.
McCall Machine Works, Rochester, N. Y.
McCulloch A. P. Machine Co., 216 High, Boston, Mass.
Mehl Mach. Tool & Die Co., Roselle, N. J.
Modern Tool, Die & Machine Co., 216-220 N Fourth, Columbus, O.
Nelson Tool Co., Inc., 782 E 142nd, New York
Nestor Mfg. Co., 40 W 13th, New York
Nichols W. H., Waltham, Mass.
North Side Tool Co., The, 17-19 Maryland av, Dayton, O.
Richards I. P. Co. ("U. S. Standard"), 23 Pemberton, Providence, R. I.
Saal H. G. Co., 1800 Montrose av, Chicago, Ill.
Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.
STOLL D. H. CO., 30 Lansing, Buffalo, N. Y. *See adv index at end of book*
WALTHAM MACHINE WORKS, Waltham, Mass.
Zeh & Hahnemann Co., Vanderpool, Newark, N. J.

Dies (Thread Cutting)

See Dies, Screw Cutting

3805— Dies (Upsetting)

Drop Die & Engineering Co., 5606 Curtiss av, Cleveland, O
Franklin Die & Tool Co. (The), Columbus, O.
Modern Tool, Die & Machine Co., 216-220 N Fourth, Columbus, O.
Pittsburgh Iron & Steel Foundries Co. ("Adamite"), H Oliver bldg, Pittsburgh, Pa.

3806— Dies (Vanadium Steel)

Electric Steel & Forge Co., 6600 Grant av, Cleveland, Ohio
Inland Machine Works, 17th & Locust, St. Louis, Mo.
Smith David H. & Sons, foot of 51st, Brooklyn, N. Y.
See adv index at end of book

3806a— Dies (Vanity Case)

SCHODER & LOMBARD STAMP & DIE CO., INC., 204½ Centre st, New York
See adv index at end of book

3807— Dies (Wire Drawing)

ATLAS WIRE DIE CO., 100 5th av, New York
Balloffet-Baszanger Die Co., 108 Fulton, New York
Boulin V. G. (Imp. Diamond), 1 Union sq, New York
Cochaud Henri, 300 W 56th, New York
Dessau Maurice S., 6 Maiden la, New York
General Engineering & Supply Co., 160 5th av, Mohawk bldg, New York City
Hartley Geo., Waterbury, Conn.
Krause F. & Co., 250 Ogden av, Jersey City, N. J.
Logan Machine & Mfg. Co. (Cutting), 126 S Clinton, Chicago, Ill.
McFarland Foundry & Machine Co., Trenton, N. J.
Morgan Construction Co., Worcester, Mass.
Richards I. P. Co. ("U. S. Standard"), 23 Pemberton, Providence, R. I.
Syracuse Chilled Die & Casting Co. (Chilled Iron), Syracuse, N. Y.
VIANNEY WIRE DIE WORKS (Imp. Diamond), 100 5th av, New York
Waldeck Anthony, 7607 B'way, Cleveland, Ohio
Wennstrom's John Sons Co. ("Sapphire"), Suffern, N. Y.

3808— Dies (Wire Weaving)

Pittsburgh Iron & Steel Foundries Co., H Oliver bldg, Pittsburgh, Pa.

3808a— Diethylaniline

Chemical Co. of America, 46 Murray, New York
Ciba Co., Inc., 134 Cedar, New York
Dow Chemical Co., Midland, Mich.

3808b— Diffusion (Air)

General Filtration Co., H Cutler bldg, Rochester, N. Y.
Knowles Mushroom Ventilator Co. ("Camelback"), 202-204 Franklin, New York

3809— Digesters

American Copper & Brass Works, Cincinnati, O.
American Process Co. (& Cookers), 68 William, New York
American Welding Co. (Wood Pulp, Chemicals, etc), Carbondale, Pa.
Atlantic Works, 80 Border E B, Boston, Mass.
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
California Boiler Works (Tallow), 526 Howard, San Francisco, Cal.
Coatesville Boiler Works, 111 S 15th st, Philadelphia, Pa.
Columbiana Boiler Co., Columbiana, O.
Continental Iron Works (Welded), West & Calyer, Brooklyn, N. Y.
Dempwolf C. H. & Co., York, Pa.
De Pere Mfg. Co., West De Pere, Wis.
Devine J. P. Co., Buffalo, N. Y.
Dillon D. M. Steam Boiler Works, Fitchburg, Mass.
Dover Boiler Works. Sales Office: 40 Church, New York; Works: Dover, N. J. *See adv index at end of book*
Eastwood Wire Mfg. Co. ("Perfection" Bronze for Paper Mills), Belleville, N. J.
Eimer & Amend (Imp.), 205 E 18th, New York
Garrigue Wm. & Co. (Fat & Oil), 154 Nassau, New York; 45th & Western, Chicago
Hamler Boiler & Tank Co., Dept H, W. 66th & S 60th av, Chicago, Ill.
Hooven, Owens, Rentschler Co. ("Hamilton" Globe), Hamilton, O.
International Process Co. ("Pintsch," Digesters & Diffusers for Mfr of Chemical Wood Pulp), 5 Beekman, New York
Jackson & Church Co., Saginaw, Mich.
Lancaster Iron Works, Lancaster, Pa.
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
Leslie, Elliott & Co., Paterson, N. J.
McAleenan Bros. Co., 25th & A. V. R. R., Pittsburgh, Pa.
McNamara Bros. Co., Westport, Baltimore, Md.
McNeil Boiler Co., 96 Crozier, Akron, O.
Manitowoc Engineering Works (Sulphite, Rotary & Soda), Manitowoc, Wis.
Mohr, John & Sons (Rubber & Paper), 96th & Calumet River, Chicago, Ill.
Munroe R. & Sons Mfg. Corporation, 23d & Smallman, Pittsburgh, Pa.
New Haven Boiler Works, Inc., 37 Mill, New Haven, Conn.
Noble & Wood Machine Co. (Paper Mill), Hoosick Falls, N. Y.
Oat Joseph & Sons, 28 Quarry, Phila., Pa.
Petroleum Iron Works Co. of Ohio (Pulp), Sharon, Pa.
See adv index at end of book
Pollock Wm. B. Co. (of Large Capacity & Pressure for Pulp Mills), Youngstown, O.
Portland Co. (For Sulphite & Soda Mills), Portland, Me.
Pusey & Jones Co. (Welded Steel), Wilmington, Del.
Renneburg E & Sons Co., 2639 Boston, Baltimore, Md.
Smith Samuel & Son Co., Paterson, N. J.
Smith Theo. & Sons Co., ft Essex, Jersey City, N. J.
Sowers Mfg. Co., 1300 Niagara, Buffalo, N. Y.
Struthers-Wells Co., Warren, Pa.
Stuart & Peterson Co. (Soup), Burlington, N. J.
Swenson Evaporator Co. (Lap Welded), 53 W Jackson blvd, Chicago, Ill.
Traylor Engng. & Mfg. Co., Allentown, Pa.
WESTERN GAS CONSTRUCTION CO., 1431 Buchanan, Ft. Wayne, Ind.

3810— Digesters (Garbage)

BARTLETT & SNOW CO., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
California Boiler Works, 526 Howard, San Francisco, Cal.

3811— Diggers (Beet)

Avery B. F. & Sons, Louisville, Ky.
Bucher & Gibbs Plow Co. ("The Michigan"), 800-36 2nd S E, Canton, O.

3812— Diggers (Peanut)

Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Champion Potato Machine Co., Hammond, Ind.
Huston, Tom, Mfg. Co., Dept. H, Columbus, Ohio

3813— Diggers (Post Hole)

See also Augers, Post Hole

American Shovel & Stamping Co., Lorain, O.
Brown Mfg. Co. ("Brown Champion"), Zanesville, O.
Champion Tool & Handle Wks., Evart, Mich.
Columbus Handle & Tool Co. ("Columbus," "Atlas," "Eureka" Pattern), Columbus, Ind.
Disston Hy. & Sons ("Samson" "Rapid"), Tacony, Phila., Pa.
Gibbs Mfg. Co. ("Gibbs"), Canton, O.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Iron City Tool Works, Ltd., 3201 Smallman, Pittsburgh, Pa.
Iwan Bros. ("Iwan Split Handle," "Iwan Invincible," "Iwan Perfection"), South Bend, Ind.
Klein-Logan Co., 13th & Breed, Pittsburgh, Pa.
Kohler F. E. Co. ("Kohler," "Universal," "Little Giant," "Invincible," "Rival," "Hercules," "Champion" & "Pioneer"), Canton, O.
Leetonia Tool Co., Leetonia, Ohio.
Ohio Cultivator Co. ("Champion"), Bellevue, Ohio
Oliver Iron & Steel Co. (Loop or Tamping Top), S 10th & Muriel, Pittsburgh, Pa.
Osmundson Spade Mfg. Co. ("One Minute"), Perry, Ia.
Pech Gus. Foundry & Mfg. Co. (Powell,), La Mars, Ia.
Ransome Concrete Machinery Co., Dunellen, N. J.
Seymour Mfg. Co. ("Seymour," "Eureka," "Atlas," "Hercules," "Champion," "Perfection"), Seymour, Ind.
Swineford G. A. Co., Canton, O.
Warren Tool & Forge Co., 145 Griswold, Warren, Ohio
See adv index at end of book
Wood Shovel & Tool Co., Piqua, O.
Western Steel & Iron Works, De Pere, Wis.

3814— Diggers (Potato)

Akron Cultivator Co. ("Hist's"), Akron, O.
Allen S. L. & Co. ("Planet, Jr." Plow, for White & Sweet Potatoes), 5th & Greenwood, Phila, Pa.
American Fork & Hoe Co., Swetland bldg, Cleveland, O.
Aspinwall Mfg. Co. ("Aspinwall," Potato Digging Machines), Jackson, Mich.
Avery B. F. & Sons ("Avery," Plow, for White or Sweet Potatoes), Louisville, Ky.
Babcock Mfg. Co. (Cummings, "Otsego," Potato Digging Machines), Leonardsville, N. Y.
Bateman Mfg. Co. ("Iron Age," Potato Digging Machines), Grenloch, N. J.
Belcher & Taylor Agricultural Tool Co. ("Hitchcock" Plow), Chicopee Falls, Mass.
Blount Plow Works ("Blount," Plow), 11286 E Illinois, Evansville, Ind.
Brown-Manly Plow Co. ("Daisy Jr." Plow), Malta, O.
Brown Peter ("Brown" Potato Digging Machines), Greeley, Colo.
Bucher & Gibbs Plow Co. ("Imperial"), 800-36 2nd S E, Canton, Ohio
Burch Plow Works Co. ("Burch" Plow), Crestline, O.
Champion Potato Machine Co. ("O-K Champion" Potato Digging Machines), Hammond, Ind.
Chattanooga Plow Co. ("Chattanooga" Plow), Center & Main, Chattanooga, Tenn.
Davidson-Dietrich Plow Co. (Plow Diggers), 402 1st, Evansville, Ind.
Deere & Co. ("Jno. Deere," "Shaker" Plow), Moline, Ill.
DeShay D. H. ("Star"), Elysburg, Pa.
Dowden Mfg. Co. (Ltd.) ("Dowden" Potato Digging Machines), Prairie City, Ia.
Emerson-Brantingham Co. ("E. B."), Rockford, Ill.
Eureka Mower Co. ("Eureka"), 1005H Hickory, Utica, N. Y.
Farquhar A. B. Co., Ltd. ("Farquhar," "Elevator," "Gilt Edge," "Success, Jr."), York, Pa.
Fenn Mfg. Co., Charlotte, Mich.
Gowanda Agricultural Works ("Hamburg," "Knox" Potato Digging Machines), Gowanda, N. Y.
Granger Co., A. D., 17 Park Row, New York
See adv index at end of book
Greenville Implement Co. ("Banner" Plow), Greenville, Mich.
Hall Jas. H. Plow Co., Maysville, Ky.
Hamburg Plow Works ("Hamburg" Plow), Hamburg, Pa.
Hist Potato Machinery Co. ("New Hist"), Alliance, O.
Hoover Mfg. Co. ("Hoover" Potato Digging Machines), Avery, O.
International Harvester Co. ("McCormick-Deering"), Harvester bldg, Chicago, Ill.
Ireland & Helfrich ("Hoy"), Spencerport, N. Y.
McKenzie Mfg. Co. ("Badger"), La Crosse, Wis.
Messinger Mfg. Co. ("The Champion" Plows & Machines), Tatamy, Pa.
Moline Plow Co. ("Moline Knocker" Plow), Moline, Ill.
Moore Plow & Implement Co. ("Moore" Plow), Greenville, Mich.
Mountville Mfg. Co. ("Mountville"), Mountville, Pa.
Ohio Rake Co. ("Standard," "Little Giant"), Dayton, O.
Peek's S. H. Sons ("Reuther" Potato Digging Machines), East Aurora, N. Y.
Peru Plow & Wheel Co. ("Peru"), Peru, Ill.
Pittsburgh Shovel Co., Oliver bldg, Pittsburgh, Pa.
Platt Addison J., Sterling, Ill.
Potato Implement Co. ("Acme," Hand), Traverse City, Mich.
Racine-Sattley Co. ("Rustler"), Springfield, Ill.
Rock Island Plow Co. ("Rattler" Plow), Rock Island, Ill.
South Bend Chilled Plow Co. ("South Bend" & "Shaker"), South Bend, Ind.
Splittostoser Mfg. Co., North Branch, Minn.
Sterling Mfg. Co. ("Sterling" Plow), Sterling, Ill.
Stevens Mfg. & Foundry Co., Decatur, Ill.
Syracuse Chilled Plow Co. ("Syracuse" Plow), Syracuse, N. Y.
Topeka Foundry & Iron Works Co., Topeka, Kan.
Wabers Mfg. Co. ("Best," Elevator Two-Horse), Racine, Wis.

3815— Diggers (Stubble)

Avery B. F. & Sons, Louisville, Ky.
Hall Jas. H. Plow Co., Maysville, Ky.
Moline Plow Co. ("Cap't Lafitte"), Moline, Ill.

3815a— Dimethylaniline

Aniline Dyes & Chemicals Inc., 134 Cedar, New York
Calco Chemical Co. (Chemical for Dyes), Bound Brook, N. J.
Chemical Co. of Am. (Mfrs), 46 Murray, New York
Cooper & Cooper, Inc., 23H Cliff, New York
DU PONT E. I. DE NEMOURS & CO., INC., Dyestuffs Dept., Wilmington, Del.
See adv index at end of book
Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Marden, Orth & Hastings Co., 136 Liberty, New York
National Aniline Chemical Co., Inc., 40 Rector, New York
Williamsburg Chemical Co., 230 Morgan av, Brooklyn, N. Y.
Williamson & Co., 30 Church, New York

3816—Dimmers (Automobile)

Lyons Mfg. Co., 342 York, New Haven, Conn.
Morse Frank W. (Regulite Socket Plug), 293 Congress, Boston, Mass.
See adv index at end of book
Valley Electric Co., 3157H S Kingshighway, St. Louis, Mo.
Ward Leonard Elec. Co., Bronxville, N. Y.

Dimmers (Theatre)

See Rheostats, Stage Dimming)

3816a— Dinitrobenzol

Ciba Co., Inc., 134 Cedar, New York
Chemical Co. of America, Inc., 46 Murray, New York
DU PONT E. I. DE NEMOURS & CO., INC., Dyestuffs Dept., Wilmington, Del.
Hunnell & Co., Inc., 136 Liberty, New York
Monroe Color & Chemical Co., Quincy, Ill.
National Aniline & Chemical Co., Inc., 40 Rector, New York
Verona Chemical Co., Newark, N. J.

3816b— Dinitrochlorobenzene

Chemical Co. of Am., 46 Murray, New York
DU PONT E. I. DE NEMOURS & CO., INC., Dyestuffs Dept., Wilmington, Del.
See adv index at end of book

3816c— Dinitronaphthalene

Agawam Chemical Works, Grosvenor bldg, Providence, R. I.
Newport Chemical Works, Milwaukee, Wis.

3816d— Dinitrophenol

Cooper & Cooper, Inc., 23H Cliff, New York
DU PONT E. I. DE NEMOURS & CO., INC., Dyestuffs Dept., Wilmington, Del.
See adv index at end of book

3816e— Dinitrotoluene

DU PONT E. I. DE NEMOURS & CO., INC., Dyestuffs Dept., Wilmington, Del.
See adv index at end of book
Indiana Dye & Chemical Co., Hammond, Ind.
National Aniline & Chemical Co., Inc., 40 Rector, New York

3816f— Dip (Metal)

Protexol Corp., 41 Barclay, New York
See adv index at end of book

3816g— Dip (Sheep)

Burch F. S. & Co., 152 W Huron, Chicago, Ill.
Chemical Supply Co., 2450 Canal rd, Cleveland, O.
Peerless Stock Powder Co. ("Cresy-pole"), Falls City, Neb.
Thompson's Carbolic Soap Co., 46 Eagle, Brooklyn, N. Y.
Van Tilberg Oil Co. ("Creola"), 2424 Univ av, S E, Minneapolis, Minn.
WEST DISINFECTING CO. (Cattle), 411 5th av, New York
See adv index at end of book
White Tar Co. of N. J., 56 Vesey, New York

3816h— Diphenylamine

DU PONT E. I. DE NEMOURS & CO., INC., Dyestuffs Dept., Wilmington, Del.
See adv index at end of book

3817— Dippers (Asphalt)

Barber Asphalt Paving Co. ("Iroquois"), Land Title bldg, Phila., Pa.

3818— Dippers (Copper)

Harris Arthur & Co., 212 Curtis, Chicago, Ill.
Ray Geo. A. Mfg. Co. (Nickel Plated), 1495 Niagara, Buffalo, N. Y.
Rome Mfg. Co. (Nickel Plated), Rome, N. Y.
Schlafer Hardware Co. ("Appleton"), 815 College av, Appleton, Wis.

3819— Dippers (Cream)

Boettiger Louis A. Co. ("Chapin"), 48 Leonard, New York
Chapman Co. ("Chapman"), Geneva, N. Y.
National Enameling & Stamping Co., 411 5th av, New York

3820—Dippers (Milk, Water, Etc.)

(Names with * also manufacture Monel Metal)

*Beckley Perforating Co., Garwood, N. J.
Central Stamping Co. ("Puritan," "Sterling"), 172 Fulton, New York
*Cleveland Wire Cloth Co., Cleveland, O.
Creamery Package Mfg. Co., 61 W Kinzie, Chicago, Ill.
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
*Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY THE, 67 Wall st, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Co., C. O., Southport, Conn.
Lalance & Grosjean Mfg. Co. (Enameled Iron, Tin, etc), 299 B'way, New York
*Magosy & Buscher, 232 Canal, New York
*Munning & Co., A. P., Matawan, N. J.
National Enameling & Stamping Co., 411 5th av, New York
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co., John P., New Haven, Conn.
*Steel Products Mfg. Co., Cicero, Ill.
Strong Mfg. Co. (Enameled Cocoa Cup, Flaring, etc), Sebring, O.
*Taylor Disc Co., Mansfield, O.
*Tyler Co., W. S., Cleveland, O.

3821—Dippers (Steam Shovel & Dredge)

American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept. H, 14th & State, Chicago Heights, Ill.
Fairbanks Steam Shovel Co., Marion, O.
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.
Union Iron Works (For Steam Shovels), Hoboken, N. J.

3822— Dippers (Wood)

Chapman-Sargent Co. (Pickle, Oyster, Fruit, Butter, etc), Piqua, O.
Munising Woodenware Co., Piqua, Ohio

3823-4-5—Dippers & Funnels (Combination)

Peoria Can Co., Peoria, Ill.

3826— Direct Mail Advertising

BUCKLEY, DEMENT & CO., 300 Throop st (corner Jackson blvd), Chicago, Ill.

3827—Dischargers (Centrifugal)

American Tool & Machine Co., 10 High, Boston, Mass.

3828— Discharges (Static)

Lord Mfg. Co. ("Abacot"), 105 W 40th, New York

3829— Discs (Abrasives)

Badger Tool Co. ("Badger"), Beloit, Wis.
Besly Chas. H. & Co. ("Helmet," "Boxite," "Crystox," "Garnet Plain Paper"), 118 N Clinton, Chicago, Ill.
Carborundum Co. (Carborundum & Alundite), Niagara Falls, N. Y.
CONWAY CLUTCH CO., 1960 W 6th, Cincinnati, O. *See adv index at end of book*
GARDNER MACHINE CO. ("Gardner"), Thompson st, Beloit, Wis.
See adv index at end of book
Manning Abrasive Co., Troy, N. Y.
Minnesota Mining & Mfg. Co., 719 Forest, St. Paul, Minn.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Walls L. P. Tool & Supply Co. ("Marathon" Endless), 75 Walker, New York
Wausau Abrasives Co., Wausau, Wis.

3830— Discs (Armature)

(Iron Discs & Segments)

Cleveland Armature Works, Inc., 4736 St. Clair av, Cleveland, O.
Columbus Die, Tool & Mach. Co., 955 Cleveland av, Columbus, O.
Commutator Co., 121 N 1st, Minneapolis, Minn.
Worcester Stamped Metal Co., 9 Hunt, Worcester, Mass.
Zeigler Mfg. Co., Alexandria, Ind.

3830a— Discs (Bibb)

Canfield H. O. Co., Bridgeport, Conn.
Jenkins Bros., 80 White, New York
See adv index at end of book
United States Rubber Co., 1790 B'way, New York *See adv index at end of book*

3830b—Discs (Brass, Bronze, etc.)

Bridgeport Brass Co., Dept. H, E Main, Bridgeport, Conn.
Jenkins Bros., 80 White, New York
See adv index at end of book
Phoenix Specialty Mfg. Co., 48 Duane, New York
U. S. Indestructible Gasket Co., 831 E 15th, Brooklyn, N. Y.
See adv index at end of book

Discs (Carbon)

See Carbon Mfrs.

3831—Discs (Circular Metal Slitting)

Union Twist Drill Co., Athol, Mass.

Discs (Cork)

See Washers, Cork

3832— Discs (Fibre)

Barwood L. J. Mfg. Co. ("Barwood"), Stonham 80, Boston, Mass.
See adv index at end of book
Brandywine Fibre Products Co., E. Wilmington, Del.
See adv index at end of book
CHICAGO MICA CO. (Also Mica), Campbell, Valparaiso, Ind.
See adv index at end of book
Continental Fibre Co. ("Bakelite-Dilecto"), Newark, Del.
Delaware Hard Fibre Co. ("Egyptian"), Wilmington, Del.
See adv index at end of book
Diamond State Fibre Co., Dept. 37, Bridgeport, Pa.
See adv index at end of book
Iten Fibre Co., 2358 E 67th, Cleveland, O.
See adv index at end of book
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
West Va. Pulp & Paper Co. (Pulp Products Dept.), 200 5th av, New York
See adv index at end of book

3832a— Discs (Filtering)

Norton Co., Barbers Crossing, Worcester, Mass.

3833— Discs (Friction)

Barnes W. F. & John Co., Dept. H, Rockford, Ill.
Barwood L. J. Mfg. Co. ("Barwood," Leather & Fibre), Stoneham 80, Boston, Mass. *See adv index at end of book*
CHICAGO RAWHIDE MFG. CO. (THE), 1307 Elston av, Chicago, Ill.
See adv index at end of book
Houghton E. F. & Co. ("Vim" Leather), 240 W Somerset, Phila., Pa.
Hunter Saw & Machine Co., 57th & Butler, Pittsburgh, Pa.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Wood's T. B. Sons Co., Chambersburg, Pa.

3833a— Discs (Glass)

Corning Glass Works, Corning, N. Y.

3834— Discs (Grain Drill)

Indiana Rolling Mill Co., New Castle, Ind.

3835— Discs (Graphite)

Acheson Graphite Co., Niagara Falls, N. Y.
United States Graphite Co., Saginaw, Mich.

3836— Discs (Harrow)

Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.
Indiana Rolling Mill Co., New Castle, Ind.
Stowel Co., The (Disc Washers Only), So Milwaukee, Wis.

3837— Discs (Hot Water)

Tyler Fred A. (Adjustable), Albany, N. Y.

3838-9—Discs (Iron & Steel)

Auburn Ball Bearing Co. (Hardened Tool Steel), 26 Elizabeth, Rochester, N. Y.
Bethlehem Steel Co., Bethlehem, Pa.
Bettcher Stamping & Mfg. Co., The, Clark av, Cleveland, Ohio
See adv index at end of book
Bossert Corporation, The, cor. Linden & West av, Utica, N. Y.
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Central Iron & Steel Co. (for Hot & Cold Press Work), Harrisburg, Pa.
Commercial Shearing & Stamping Co. (Pressed Steel), Youngstown, Ohio
Curtis Mfg. Co. (Steel Clutch), 1571 Kienlen av, St. Louis, Mo.
Duke Steel Co., Inc., 191 Pearl, New York
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Kropp Forge Co., 5301 Roosevelt rd, Chicago, Ill.
See adv index at end of book
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Ludlum Steel Co., Watervliet, N. Y.
McInnes Steel Co. (Ltd.) ("McInnes" Annealed Tool Steel), Corry, Pa.
Master Products Co., 6410 Park av, Cleveland, Ohio
Moltrup Steel Products Co., 127H N Period, Beaver Falls, Pa.
Nicetown Plate Washer Co., 1824 Juniata, Nicetown, Phila, Pa.
U. S. Indestructible Gasket Co., 831 E 15th, Brooklyn, N. Y.
See adv index at end of book
Vulcan Steam Forging Co. (Forged), 251 Rano, Buffalo, N. Y.
Warren Iron & Steel Co. (Open Hearth Steel), Box 396, Warren, Ohio
Zeigler Mfg. Co., Alexandria, Ind.

3840— Discs (Radiator)

Goetze Gasket & Packing Co. ("Goetze" Copper-Asbestos or Nickel-Asbestos), 3 Allen av, New Brunswick, N. J.
See adv index at end of book

3841— Discs (Self-Feeder)

Henry & Allen (For Threshing Machines), Auburn, N. Y.
Walworth Mfg. Co. ("Boston"), 82H Beal, Boston, Mass.

3842-3— Discs (Slate)

Keenan Structural Slate Co., Bangor, Pa.
McNamara Bros., Fair Haven, Vt.

3844— Discs (Valve)

American Hard Rubber Co. (Hard Rubber), 9 Mercer, New York
Anchor Packing Co. ("Ankorite"), Lafayette bldg, Phila., Pa.
Barwood L. J. Mfg. Co. ("Barwood" Leather), Stoneham 80, Boston, Mass.
See adv index at end of book
Boston Belting Corp., 84 Linden Park, Boston, Mass.
Canfield Rubber Co., 708 Railroad av, Bridgeport, Conn.
CHICAGO BELTING CO., 110 N Green, Chicago, Ill.
See adv index at end of book
Chicago Rawhide Mfg. Co. (The), 1307 Elston av, Chicago, Ill.
See adv index at end of book
Cigol-Behrens Rubber Co. (Rubber), Lodi, N. J.
Cincinnati Rubber Mfg. Co. (Rubber), Cincinnati, O.
Combination Rubber Mfg. Co. (Rubber), Bloomfield, N. J.

(Continued on following page)

Discs (Valve)—Continued

Continental Fibre Co. ("Bakelite-Dilecto" & Vulcanized Fibre), Newark, Del.
Continental Rubber Works (Rubber), Erie, Pa.
DARCOID COMPANY ("Darcoid"), 1780 Broadway, New York
See adv index at end of book
Durabla Mfg. Co. ("Durabla"), 114 Liberty, New York
GOETZE GASKET & PACKING CO. ("Goetze" Copper Asbestos or Nickel Asbestos), **3 Allen av, New Brunswick, N. J.** *See adv index at end of book*
Goodrich B. F. Co. (Rubber), Akron, O.
Home Rubber Co., Trenton, N. J.
Jenkins Bros., 80 White, New York
See adv index at end of book
Johns-Pratt Co., The, ("Vulcabeston"), Hartford, Conn.
Keckley O. C. Co. ("O C K Co.," high pressure), 318 Washington, Chicago, Ill.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Manhattan Rubber Mfg. Co., Passaic, N. J.
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
New York Belting & Packing Co. (Rubber), 91 Chambers, New York
O'Meara J. (Inc.), 2 Lispenard, New York
Ohio Injector Co. ("O. I. C."), Wadsworth, Ohio
Pennsylvania Rubber Co. (Rubber), Jeannette, Pa.
Post E. L. & Co. ("Post's" Corrugated Metal), 50 Cliff, New York
Quaker City Rubber Co., 672 Market, Philadelphia, Pa.
See adv index at end of book
Republic Rubber Co. (Rubber), Youngstown, O.
Skinner M. B. Co. ("Perfect"), 562 W Washington, Chicago, Ill.
Star Brass Mfg. Co. (Renewable Metal), 53 Oliver, Boston, Mass.
Strong Machinery & Supply Co. ("Strong's I. O. P."), 292-294 Church, New York
U. S. Indestructible Gasket Co., 831 E 15th, Brooklyn, N. Y.
See adv index at end of book
U. S. Rubber Co., 1790 B'way, New York
See adv index at end of book
Western Packing & Supply Co., 233 N Wells, Chicago, Ill.
See adv index at end of book
Western Rubber Co. (Rubber), Goshen, Ind.
Wolverine Brass Works, Grand Rapids Mich.

3845—Dish Warmers (Electric)

Prometheus Electric Co., 358 W 13th, New York

3846— Dishers (Ice Cream)

(Names with * also manufacture Monel Metal)

*Beckley Perforating Co., Garwood, N. J.
Bloomer Bros. Co., Newark, N. J.
*Cleveland Wire Cloth Co., Cleveland, O.
Creamery Package Mfg. Co., 61 W Kinzie, Chicago, Ill.
Gilchrist Co., 236 Bank, Newark, N. J.
Giles & Nielsen Nickel Works, Troy, N. Y.
*Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall st, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Co., C. O., Southport, Conn.
*Magosy & Buscher, 232 Canal, New York
*Munning & Co., A. P., Matawan, N. J.
National Enameling & Stamping Co., 411 5th av, New York
Nicol & Co. ("Delmonico's"), 218 N Jefferson, Chicago, Ill.
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co., John P., New Haven, Conn.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co., W. S., Cleveland, O.

3846a— Dishes (Baking)

Corning Glass Works ("Pyrex"), Dept H, Corning, N. Y.

3846b— Dishes (Cascade)

Elyria Enameled Products Co. (Steel or Cast Iron Glass Enameled), Elyria, O.

3847— Dishes (Chafing)

Aldrich Mfg. Co., 57 Illinois, Buffalo, N. Y.
American Electrical Heater Co. ("American Beauty"), 6125 Wordward, Detroit, Mich.
Buckeye Aluminum Co. ("Real Solid" Aluminum), Wooster, O.
Buffalo Mfg. Co., 1354 West av, Buffalo, N. Y.
Central Stamping Co. ("Puritan"), 206 B'way, New York
Edison Elec. Appliance Co., Inc. (Hotpoint Div.), 5600 W Taylor, Chicago, Ill.
International Silver Co., 9 Maiden la, New York
Lalance & Grosjean Mfg. Co. (Enameled), 299 B'way, New York
Landers, Frary & Clark ("Universal"), New Britain, Conn.
Manning, Bowman & Co., Meriden, Conn.
New York Stamping Co. ("Empress"), N 11th & Berry, Brooklyn, N. Y.
Presto Elec. Co., Inc. ("Presto"), 703 Market, San Francisco, Cal.
Ray Geo. A. Mfg. Co., 1495 Niagara, Buffalo, N. Y.
Rochester Stamping Co. (Electric & Alcohol), Rochester, N. Y.
Sternau S. & Co., 9 E 37th, New York
Sweeney W. H. Mfg. Co. ("Royal," Copper & Nickel Plated, etc), 30 Main, Brooklyn, N. Y.
Wallace R. & Sons Mfg. Co., Wallingford, Conn.
Westinghouse Electric Mfg. Co. (Electric), East Pittsburgh, Pa.
See adv index at end of book

3847a—Dishes (Evaporating)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Elyria Enameled Products Co. (Glass Enameled), Elyria, Ohio.
Thermal Syndicate, Ltd., 58 Schenectady av, New York

3847b— Dishes (Incinerating)

Autoyre Co. ("Maid-En-White" Enamel & Nickel Plated), Dept H, Oakville, Conn.
Norton Co., Barbers Crossing, Worcester, Mass.
Pioneer Wire Works, 133-135 Federal, Camden, N. J.

3848—Dishes, Plates, Etc. (Paper)

Bleyer Alfred & Co., 229 West, New York
Economy Box & Pie Plate Co., Marion, Ind.
Grasberger B. A. & Co., 820 W Moore, Richmond, Va.
INDIVIDUAL DRINKING CUP CO., INC. (Ice Cream Dishes, also Cups, "Dixie" Drinking Cups), Easton, Pa.
Keyes Fibre Co., Waterville, Me.
National Paper Products Co. (Fluted for Ice Cream), 528 Battery, San Francisco, Cal.
See adv index at end of book
No Leak Paper Dish Co., Wheeling, W. Va.
Northern Bag & Plate Co., Carthage, N.Y.
Oval Wood Dish Co., Delta, O.
Sayford Paper Specialty Co. (Finger Bowls & Ice Cream Inserts), Vineland, N. J.
Star Paper Dish Co. ("Daisy" Round, "Handy" Square), Richmond, Va.
Troy Wire Goods Co., Troy, N. Y.
Virginia Mfg. Co., Suffolk, Va.

3848a— Dishes (Porcelain)

FAIRFACTS CO., INC., 234-236 W 14th, New York *See adv index at end of book*
Ohio Pottery Co. ("Ohio"), Zanesville, O.

3848b— Dishes (Soap)

See also Bath Room Fixtures & Furnishings; also Enameled Ware Mfrs.; also Wire Goods, Bright

Pioneer Wire Works, 133-135 Federal, Camden, N. J.
See adv index at end of book
Racine Iron & Wire Works, Racine, Wis.

3849— Dishes (Wood)

Atlas Mfg. Co., 125 Water st, New Haven, Conn.
Atlas Mfg. Co., New Haven, Conn.
Bleyer Alfred & Co. (Pie Plates), 229 West, New York
Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Cupples Samuel Woodenware Co., 7th & Spruce, St. Louis, Mo.
Dayton Paper Novelty Co., Dayton, O.
Dodge Clothespin Co. (Wire Ends), Caudersport, Pa.
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Keyes Fibre Co., Waterville, Me.
Mullen Bros. Paper Co., St. Joseph, Mich.
Northern Bag & Plate Co., Carthage, N.Y.
Northern Woodenware Co., Island Falls, Me.
Oval Wood Dish Co. ("Ritshape" of Every Description), Tupper Lake, N. Y.
Richmond Cedar Works (Wire & Tin End Butter), Fulton, Richmond, Va.
Roberts J. N. Mfg. Co., Metropolis, Ill.
Star Paper Dish Co. ("Daisy"), Richmond, Va.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Weston Paper & Mfg. Co., Dayton, O.

3850— Disinfectants

Adams Fred C. Co., 130 N Wells st, Chicago, Ill.
American Antiformin Co. ("Antiformin"), 322 9th, Brooklyn, N. Y.
American Aromatic Disinfector Co., 273 S 5th, Philadelphia, Pa.
American Disinfecting Co., Sedalia, Mo.
American Oil & Disinfectant Co. ("Crefenol," "Chlorofectant"), 114 5th av, New York
Antozone Chemical Co., 32 Old Slips, New York
Aspinwall Geo. H. (Inc.), Cornelison av, Jersey City, N. J.
Barrett Co., 17 Battery pl., New York
Baum Bros. Co., Glenarm pl, Denver, Colo.
Bayer Co. (Antinonnin), 117 Hudson, New York
Brewer & Co. ("Cresonol," "Creosanthol," "Pinosol"), 35 Arctic, Worcester, Mass.
Brilliant Searchlight Mfg. Co. ("Michigan Dope" Mosquito Driver), 529 S Dearborn, Chicago, Ill.
Burch F. S. & Co., 152 W Huron, Chicago, Ill.
CABOT SAMUEL, INC., 141 Milk, Boston, Mass. *See adv index at end of book*
California Exterminating Co., Inc., 373 W 125th, New York
Carpenter W. D. Co., Syracuse, N. Y.
Chemical Supply Co., 2450 Canal rd, **Cleveland, O.**
Chemical Toilet Corp., 2626 S Salina, Syracuse, N. Y.
Chlorax Chemical Corp., 850 42nd av, Oakland, Cal.
Clifton Chemical Co., 246 **Front, New York**
Coal Tar Product Co. ("Stag" Brand), 570 Smith, Brooklyn, N. Y.
Continental Mfg. Co. ("Puroline"), 1543 Van Buren, Indianapolis, Ind.
Cremoline Disinfecting Co., 121 Main, St. Louis, Mo.
Dolge C. B. Co., Westport, Conn.
Durfee Mfg. Co., Grand Rapids, Mich.
Eagle Oil & Supply Co. ("Eagleine"), 104 Broad, Boston, Mass.
Easterday Supply Co. ("Blue Cross"), 936 Howard, San Francisco, Cal.
Egyptian Chemical Co., 507 Warren av, Boston, Mass.
Embalmers' Supply Co., Westport, Conn.
Fergusson Alex. C., Jr., 474 **Chestnut**, Phila., Pa. *See adv index at end of book*
Flash Chemical Co. ("Flash Creothol"), **160 Second, Cambridge, Mass.**
Ford Roofing Products, 2339 S La Salle st, Chicago, Ill.
Fort Pitt Chemical Co. ("Sanitant," "Sanol"), 3134 Penn av, Pittsburgh, Pa.
Frederick Disinfectant Co., Atlanta, Ga.
Fuerst Bros. & Co. (Imported), 2 Stone, New York
Garnet Geo. H. Co., 911 N Lumber, Allentown, Pa.
General Laboratories ("B-K"), 906 Monona **av, Madison, Wis.**
Georgia Pine Turpentine Co. of N. Y., 158 Perry, New York
Good James, Inc., 2113H E Susquehanna av, Philadelphia, Pa.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Hayner Norman C. Co. ("Killitol"), Rochester, N. Y.
Hill C. W. Chemical Co. ("Mission Brand"), 405 3d, Los Angeles, Cal.
Hockwald Chemical Co. ("Pinoleum" & "Croroleum"), 531 Howard, San Francisco, Cal.
Hoosier Mfg. Co. ("Creonox"), 1231 Roosevelt av, Indianapolis, Ind.
Houghton E. F. & Co. ("Houghton" Odorless), 240 Somerset, Phila., Pa.
Hunt Mfg. Co., 3528 E 76th, Cleveland, Ohio
Huntington Chemical Co., Huntington, Ind.
Indianapolis Chemical Co., 1444 Madison av, Indianapolis, Ind.
Industrial Chemical Co., 1414 Fifth Av bldg, New York
See adv index at end of book
Insecticide Co., Phelan bldg, San Francisco, Cal.
Kline Co. ("Kliko"), 455 Folsom, San Francisco, Cal.
Lehn & Fink, 635 Greenwich, New York
Leinen John F. Chemical Co., 177 Jessie, San Francisco, Cal.
Lewis, Samuel, 73 Broadway, New York
Maas A. R. Chemical Co. ("Cresy-Lol"), 308 E 8th, Los Angeles, Cal.
Mann H. D. Co. ("Odozone"), 124 N Warren, Syracuse, N. Y.
Masury-Young Co., 76 Roland Chasn, Boston, Mass.
Merck & Co., 45 Park pl, New York
Michel & Pelton Co., Inc. ("Mapco"), 639 Howard, San Francisco, Cal.
Minor W. E. Disinfectant Co. ("Minor"), 328 Champlain av, Cleveland, O.
National Disinfecting Co. ("Phenolene"), 263 Front, New York
National Paper Products Co. ("Zellerol"), 528 Battery, San Francisco, Cal.
See adv index at end of book
National Sanitary Co., Sedalia, Mo.
Northwest Chemical & School Supply Co. ("Mephistopine"), E 724 Sprague av, Spokane, Wash.
Northwestern Mfg. Co., Indianapolis, Ind.
Ohio Chemical Co., Findlay, O.
O'Kleen O Products Co. ("O-Kleen-O"), 712 Madison av, Baltimore, Md.
Oxyozon Chemical Co., 44 Watts, New **York**
Pacific Coast Beef & Provision Co., Los Angeles, Cal.
Parke, Davis & Co., 2951 E Atwater, Detroit, Mich.
Phinotas Chemical Co., 237 Front, New York
Platt Henry B., 120 Broadway, New York
Plunkett Chemical Co., 3500 Morgan, Chicago, Ill.

Protexol Corp., 41 Barclay, New York
See adv index at end of book
Purolene Disinfecting Co., 956 S B'way, Los Angeles, Cal.
Riebe Soap & Chemical Works, 801 Roy, Seattle, Wash.
ROCHESTER GERMICIDE CO., 16 Dowling pl, Rochester, N. Y.
Rogers R. R. Chemical Co., 527H Commercial, San Francisco, Cal.
Sanifect Co. ("San-O-Spray"), 461 8th av, New York
Sanitary Products Corp., 2710 Lefever, Philadelphia, Pa.
San Jose Spray Mfg. Co. ("Excelo"), Emory & Stockton av, San Jose, Cal.
Southern Calif. Disinfecting Co., 2521 S Main, Los Angeles, Cal.
Spirittine Chemical Co. ("Spirittine"), Wilmington, N. C.
Standard Chemical Co., 728 Frankfort av, Cleveland, O.
Superb Mfg. Co., 414 N San Pedro, Los Angeles, Cal.
U. S. Chemical Co., Greenville, Conn.
Vapo-Cresoline Co., 62 Cortlandt, New York
Vestal Chemical Co. ("Vestarol"), 1128 Pine, St. Louis, Mo.
Waelde Herman, 736 Frankfort av, N W, Cleveland, O.
West Disinfecting Co. ("Coro Noleum," "C. N."), 411 5th av, New York
See adv index at end of book

DISINFECTANTS
AND SANITARY APPLIANCES

WEST DISINFECTING COMPANY

Home Office: 411 5th Ave., New York

Branches in Principal cities

West Distributing Co., Inc., 27 Thames, New York
Westmoreland Chemical & Color Co. ("Fer Sul"), S. E. cor. 22nd & Westmoreland, Phila., Pa.
White Tar Co., John & Cliff, 2 Cliff, New York
White Tar Co. of N. J. ("Creolol"), 56 Vesey, New York
Williams Joseph Co., Sharpsburg, Pa.
Wilson & Co., Union Stock Yards, Chicago, Ill.
Worrell Mfg. Co. ("Vermingo"), 112 N Main, St. Louis, Mo.
Yale C. I. Mfg., Yalesville, Conn.

3851— Disinfecting Apparatus

See also Machinery, Disinfecting

American Sterilizer Co. (For Hospitals, etc), Erie, Pa.
Bernstein Mfg. Co. (For Hospitals), 3d & Alleghany, Phila., Pa.
Garnet Geo. H. Co., 911 N Lumber, Allentown, Pa.
Rochester Germicide Co., 16 Dowling pl, Rochester, N. Y.

3852— Disintegrators

ABBE PAUL O., INC. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*

ABBÉ DISINTEGRATORS
FOR
CLAY—SHELLAC—SUGAR—GUMS
SPICES—ROSIN——COLORS—DRUGS
ABBÉ ENGINEERING CO.
38 CHURCH ST. PHONE
NEW YORK CORTLANDT 0055

Anderson Foundry & Machine Works (Clay), Anderson, Ind.
Atlanta Utility Works, East Point, Ga.
Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Blanchard Machine Co. (Fertilizer), Cambridge, Mass.
Brewer H. & Co. (Clay), Tecumseh, Mich.
Day J. H. Co., Cincinnati, O.
Excel Mfg. Co. (All Dry Colors), Pottersville, N. J.
Fate-Root-Heath Co. (Clay), Plymouth, Ohio
See adv index at end of book
Flynn & Emrich Co., 305 N Holliday, Baltimore, Md.
Hadfield-Penfield Steel Co. (The) (Clay), Bucyrus, O. *See adv index at end of book*
Holmes & Blanchard Co., 928 Broadway, Boston, Mass.
JEFFREY MFG. CO. (Coal, etc), 961 N Fourth, Columbus, Ohio.
See adv index at end of book
LINK BELT COMPANY (For Coal, etc.), 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Mead & Co., 19th & M. C. R. R., Detroit, Mich.
Potts C. & A. & Co. (Clay), Indianapolis, Ind.
Pratt Engineering & Machine Co., Atlanta, Ga.
Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.
Sackett A. J. (Fertilizer, etc.), cor. 4th av & First, Baltimore, Md.
Stedman's Foundry & Machine Works, Aurora, Ind.
Steele J. C. & Sons, Statesville, N. C.
Stroud E. H. & Co., 928-934 Fullerton av, Chicago, Ill.
Walker & Elliott, Wilmington, Del.
Wellington Machine Co. (Clay), Wellington, O.
Williams Patent Crusher & Pulverizer Co., 813 Montgomery, St. Louis, Mo.

3853— Disintegrators (Sugar)

Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book

3854—Dispensers (Cream & Milk)

American Machinery Co. ("American"), 330 N 17th, Philadelphia, Pa.
Cordley & Hayes (Syrup & Cream), 327 Leonard, New York
See adv index at end of book

3855— Dispensers (Straw)

Coe Mfg. Co. ("Monarch"), 35 Warren, New York

3856— Dispensers (Sugar)

Spengler Loomis Mfg. Co. ("Spenlo"), 58H E. Washn., Chicago, Ill.

Display Fixtures

See Window Display Fixtures

Distillers

See Alcohol, various kinds

3857— Distilling Apparatus

See also Stills of Various Kinds

American Copper & Brass Wks., Cincinnati, O.
Badger E. B. & Sons Co. ("Barbet" for Alcohol, Rum, Wood, etc), 75A Pitts, Boston, Mass.
See adv index at end of book
Baeuerle & Morris (For Alcohol, Whiskey, Turpentine, Water, Pine, Oils, etc), 932 N Front, Phila., Pa.
BARNSTEAD STILL & STERILIZER CO., INC. (Electric, Gas, Steam or Oil, for Water Distilling), 3 Lanesville Terrace, Boston 30, Mass.
See adv index at end of book
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Devine J. P. Co. (For Wood), 1372 Clinton, Buffalo, N. Y.
Gerstein Bros. & Cooper (All Kinds), 3 W 3d, South Boston, Mass.
GRISCOM-RUSSELL CO ("Reilly" Water, also Salt Water & Chemicals), 92 West, New York
See adv index at end of book
Hamber Boiler & Tank Co. (Acid), Dept. H, W. 66th & So. 60th av, Chicago, Ill.
Hoffman-Ahlers Co. (Wood Alcohol, Turpentine, Vinegar, etc), 823 E Pearl, Cincinnati, O.
Lummus Walter E. Co., 171 Milk, Boston, Mass.
Pacific Copper & Brass Works, Inc., 1915 E 7th, Los Angeles, Cal.
Philadelphia Coppersmithing Co., 808 N Front, Philadelphia, Pa.
Schutte & Koerting Co. ("S. & K.," for Producing Fresh Water), 1251 No. 12th, Phila., Pa.
See adv index at end of book
Sowers Mfg. Co., 1300 Niagara, Buffalo, N. Y.
Standard Water Systems Co. ("Tripure" Water), Hampton, N. J.
Triumph Ice Machine Co. (Refrigeration), Oakley, Cincinnati, O.
Ordway Chas. ("Yaryan" System for Producing Fresh Water from Sea Water, etc.), 25 Church, New York
Vulcan Copper Works Co., 120 Sycamore, Cincinnati, O.
Wheeler Condenser & Engineering Co., W. Carteret, N. J.

Distributors (Asphalt & Tar)

See Road Oilers & Distributors

3858—Distributors (Fertilizer)

Akron Cultivator & Mfg. Co. ("Akron" Horse), 3144 E 65th, Cleveland, Ohio
American Seeding Machine Co., Springfield, O.
Avery B. F. & Sons ("Avery's Improved," "Knocker," "Pet"), Louisville, Ky.
Ayers J. R. (Single Row One Horse), Petersburg, Va.
Bateman Mfg. Co. ("Advance," "Iron Age"), Grenloch, N. J.
Belcher & Taylor Agricultural Tool Co. ("Stevens," Hand & Horse), Chicopee Falls, Mass.
Brinly Hardy Co., Louisville, Ky.
Brown Mfg. Co. ("Brown"), Zanesville, O.
Buckner Mfg. Co. ("Buckner" Automatic Fertilizer & Insecticide Distributor), 95 Blackstone av, Fresno, Cal.
Cole Mfg. Co., Charlotte, N. C.
Crown Mfg. Co., Phelps, N. Y.
Eureka Mower Co., 1005H Hickory, Utica, N. Y.
Gantt Mfg. Co. (Guano), Macon, Ga.
Genung C. W. ("Iron King"), Madison, O.
Harriman Mfg. Co. ("Tillman" Hand), Harriman, Tenn.
Hench & Dromgold Co. ("H. & D."), York, Pa.
International Harvester Company of America, Inc. ("Hoosier," "Kentucky"), Harvester bldg, Chicago, Ill.
Leavitt Mfg. Co. ("Soil Feeder"), Urbana, Ill.
McWhorter Mfg. Co., Riverton, N. J.
Ontario Drill Co., East Rochester, N. Y.
Peoria Drill & Seeder Co. ("Peoria-Phosphatey"), Peoria, Ill.
Southern Plow Co. ("Georgia" & "Victory"), Columbus, Ga.
Sterling Mfg. Co. ("Sterling"), Sterling, Ill.
Towers & Sullivan Mfg. Co. ("Roman," "Tip-Top," "Universal"), Rome, Ga.
Wirtz & Hernlen ("Farmer's Friend," "Richmond"), Augusta Ga.

3859—Ditcher, Grader & Loader Combined

American Road Machinery Co., Kennett Square, Pa.
Good Roads Machinery Co., Kennet Sq., Pa.
Marion Steam Shovel Co., P. O. Box 505, Marion, O.
Snow T. W. Construction Co. ("Bowman" Ditcher & Grader), 332 S La Salle, Chicago, Ill.
Western Wheeled Scraper Co., Aurora, Ill.

Ditching Machines

See Ditching Machines in Machinery Lists; also Road Machines & Graders

3860— Divers (Submarine)

Boston Tow Boat Co., 111 Devonshire, Boston, Mass.
Humphreys Geo. 575 Clinton, Brooklyn, N. Y.
Merritt & Chapman Derrick & Wrecking Co., 17 Battery pl, New York
New York Submarine Cont. Co., 130 Pearl, New York
Phillips H. W., Quincy, Mass.
Scott T. A. Co., New London, Conn.
Siebe Gorman & Co., Ltd., Monadnock bldg, Chicago, Ill.
Wick Theodore, 73 Steuart, San Francisco, Cal.

3861— *Dividers (Extension)

Lufkin Rule Co., Saginaw, Mich.
Starrett L. S. Co., Athol, Mass.

3862— *Dividers (Spring)

Goodell-Pratt Co., Greenfield, Mass.
Starrett L. S. Co., Athol, Mass.

3863—Dividers (Wing & Extension)

See also Compresses; also Calipers & Dividers

Athol Machine & Foundry Co. ("Premier" & "A. M. C."), Athol, Mass.
Goodell-Pratt Co. (Spring), Greenfield, Mass.
Indicating Calipers Corp., 506 E 19th, New York
See adv index at end of book
Johnson Wm. (Hedenberg Works), ("Cook's" Pattern Expansion Wing, etc), Newark, N. J.
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Lufkin Rule Co., Saginaw, Mich.
Peck, Stow & Wilcox Co., Southington, Conn.
Schollhorn Wm. Co. ("Excelsior"), 414 Chapel, New Haven, Conn.
Union Tool Co., Orange, Mass.

3864— Diving Apparatus

Hale Alfred Rubber Co., Atlantic, Mass.
Merrill Stevens Dry Dock & Repair Co., Jacksonville, Fla.
Morse A. J. & Son, Inc., 221 High, Boston, Mass.
Schrader's A. Son, Inc., 470 Vanderbilt av, Brooklyn, N. Y.
Siebe Gorman & Co., Ltd., Monadnock bldg, Chicago, Ill.

3865— Dobby Pegs

Nelson Rivet Co., Taunton, Mass.
Pawtucket Screw Co., 143 Hughes av, Pawtucket, R. I.

3866— Dock Builders

See also Contractors, Pile Driving

CALIFORNIA.

OAKLAND—Mervy-Elwell Co., foot of 11th av
SAN FRANCISCO—Hannah Bros., 142 Sansome
Healy-Tibbitts Construction Co., 9 Main
Hyde, Harjes & Co., 110 Market
San Francisco Bridge Co., Nevada Bank bldg

CONNECTICUT.

BRIDGEPORT — Bridgeport Dredge & Dock Co.
Hubbell W. W. Co., 556 Waterview
NEW HAVEN—Alling Wm. H. & Co., 171 Lenox
New Haven Rigging Co., 902 Chapel
Waterhouse Charles R., Jr., 74 Park
NEW LONDON—Davidson Richard C.
Scott T. A. Co.

DISTRICT OF COLUMBIA.

WASHINGTON—Rust Engng. Co. (Power House Contrs.), 504 Dist. Nat'l Bank bldg

GEORGIA.

SAVANNAH—Ross P. Sanford (Br. of Jersey City, N. J.), 16 Bryan, E

ILLINOIS.

CHICAGO—Fitzsimmons & Connell Dredge & Dock Co., 10 S La Salle
Great Lakes Dredge & Dock Co., 104 S Michigan av
Kearns T. A. Co., 343 S Dearborn

MAINE.

BANGOR—Spellman James F. & Sons Co.
PORTLAND—Bennett Contracting Corp., 199 Commercial
WOOLWICH—Carlton F. W.

MARYLAND.

BALTIMORE—Empire Engineering Co., Bourse bldg.
McLean Contracting Co., Fidelity bldg

MASSACHUSETTS.

BOSTON—Hersey A. A., 362 Border, E. B.
Lawler Bros., 16 City sq, Ch's'n
Miller Wm. L., Ch's'm
CAMBRIDGE—Scully Jno. T. Foundation
GLOUCESTER—Hall Bros.

MICHIGAN.

DETROIT—Candler Dock & Dredge Co., Moffat bldg
Dupuis A. J. Co., Ford bldg
Ginzel John Co., Buhl blk
MARQUETTE—Powell & Mitchell
SAULT SAINTE MARIE—Great Lakes Dredge & Dock Co. (Br. of Chicago, Ill.)

MINNESOTA.

DULUTH—Duluth-Superior Dredging Co.
Great Lakes Dredge & Dock Co. (Br. of Chicago, Ill.)
MINNEAPOLIS—Northern Dredge & Dock Co., 428 Met Bank bldg

NEW JERSEY.

HACKENSACK—Long F. R.-W. G. Broadhurst Co.
JERSEY CITY—Ross P. S., 277 Washington
Stillman-Delanty-Ferris Co., 26 Exchange pl
LONG BRANCH—Melee Owen J.

NEW YORK.

ALBANY—Dyer Jno., Jr., 17 Steuben
BUFFALO—Buffalo Dredging Co., Morgan bldg
Burgard Henry P Co., 1968 Filmore av
Chesley, Earl Heimbach, Inc., 20 Breckenbridge
Horton D. E. Construction Co., Marine Nat Bank bldg
Lake Erie Dredging Co., Morgan bldg
KINGSTON—Powley Jos. L. Son
NEWBURGH—Parrott Richard
Parrott Wm.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Cronin Barth S. Co., 573 Clinton
Humphreys George, 575 Clinton
Walsh Geo. J., 446 47th
Walsh John D., Inc., 132 4th

Boroughs of Manhattan and Bronx.

NEW YORK—Empire Eng. Co., 6 Church
Foundation Co. (Engineers & Contractors, Concrete Piles & Steel & Wood Sheeting), 120 Liberty
General Contracting & Engineering Co., 40 Rector
Hazell A. M., Inc., 26 Cortlandt
McMullen Arthur Co., 50 Church
Monks John & Son, 438 Broadway
N. Y. Submarine Contracting Co., 130 Pearl
Phoenix Construction Co., 41 Park Row
RAYMOND CONCRETE PILE CO. (Concrete), 140 Cedar
Rhodes & Manvel, 90 West
Riverside Contracting Co., 39 Cortlandt
Robbins-Ripley Co., 50H Church
Rogers Geo W. & Co., 29 B'way
Rolf Bernard, 164 Montague
Schwiers F. W. Jr. Co., 90 West
Spearin & George B., 90 West
Spooner Allen N. & Son, Pier 11, N. R.
STEWART JAS. & CO. (INC.), Madison av & 42nd st
Tilley Harry H., 258 E 138th

Borough of Queens.

LONG ISLAND CITY—Degnon Contracting Co., 68 Hunters Pt. av

Borough of Richmond.

PORT RICHMOND—Conklin Bros., 2080 Richmond ter

(End of New York City)

NORTH TONAWANDA—Empire Engineering Co.

OHIO.

CLEVELAND—American Construction Co. (Also Intake Pipes, Outlet Sewers, & Breakwater Works), Marion bldg.
Cleveland Dock Engineering Co., Citizens bldg
Great Lakes Dredge & Dock Co., Wil-Hunkin-Conkey Construction Co., Cuyahoga bldg
Strong C. H. & Son, Swetland bldg

PENNSYLVANIA.

PHILADELPHIA—American Dredging Co., Mariner & Merchant bldg
Armstrong & Latta Co., Clinton & Del.
Brenneman J. E., N. American bldg
PITTSBURGH—Cummings Structural Concrete Co. (Concrete), Benedum Trees bldg
Enterprise Contracting Co., Bessemer bldg
Pihl & Miller, Wabash bldg

RHODE ISLAND.

PROVIDENCE—Stender Frank C. & Co., 86 Weybosset

VIRGINIA.

NORFOLK—Sanford & Brooks Co.
URBANNA—Wagenen L. B.

WASHINGTON.

EVERETT—American Pile Driving Co. (Pile Driving)
PORT TOWNSEND—Port Townsend Pile Driving Co.
SEATTLE—Gernaey Geo. D., 4527 8th N. E.
Jones T. E., Colman bldg
McEachern J. A. & Co., Colman bldg
Manson L., 2407 Boylston N
Snyder C. C. & Co., Pacific block
Union Bridge Co., Central bldg
Wood J. R., Central bldg
TACOMA—Burgeson C. F.
Hart Construction Co., 521 Tacoma bldg
Rutherford D. W.
Tacoma P. D. Constr. Co., N. P. docks

WISCONSIN.

GREEN BAY—Greiling Bros. Co.
MILWAUKEE—Gillen Edw. E. Co., 288 E Water
SUPERIOR—Whitney Bros. Co.

3867—Doctors & Feeds (Calender)

Dillon Machine Co., Lawrence, Mass.
Ticonderoga Machine Works ("Warren" Improved), Ticonderoga, N. Y.

3868-9— Dogs (Bench)

Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book
Stanley Rule & Level Plain, New Britain, Conn.
Stortz John & Son, 210 Vine, Phila., Pa.

3870— Dogs (Chain)

Nixdorff-Krein Mfg. Co., 900 Howard, St. Louis, Mo.

3871— Dogs (Die)

Billings & Spencer Co. (Drop Forged), Hartford, Conn.

3872— Dogs (Lathe)

Ames B. C. Co. ("Ames"), N Station, Waltham, Mass.
See adv index at end of book
Armstrong Bros. Tool Co. ("Armstrong"), **339 N Francisco av, Chicago, Ill.**
Besly Chas. H. & Co. (Heavy Steel), 120 N Clinton, Chicago, Ill.
Billings & Spencer Co. (Drop Forged Safety), Hartford, Conn.
Bonney Forge & Tool Works ("Indispensible" Light & Heavy Steel & Safety), Tilghman, Allentown, Pa.
Channon Jas. H. Mfg Co., 237 W Erie, Chicago, Ill.
Chester Steel Castings Co., Chester, Pa.
Efficiency Device Corpn., 199 8th, Long Island City, N. Y.
Fowler Lamp & Mfg. Co. ("Fowler" Adjustable Center Crankshaft), 59 E 24th, Chicago, Ill.
Harris Samuel & Co. ("Harris"), 114 N Clinton, Chicago, Ill.
Le Count Wm. G., South Norwalk, Conn.
Michaud Elmer J., Willimantic, Conn.
Mark Mfg. Co., Evanston, Ill.
Moore Drop Forging Co., Springfield, Mass.
O. K. Tool Holder Co. ("O. K."), Shelton, Conn.
Page Storms Drop Forge Co. (Drop Forged), Chicopee, Mass.
Ready Tool Co. ("Hill"), Bridgeport, Conn.
Union Lathe Wks., York, Pa.
Union Tool Co. ("Hill" Drop Forged), Orange, Mass.
West Steel Castings Co., 805 E 70th, Cleveland, O.
Williams J. H. Co. ("Vulcan" Safety Drop Forged), 31 Richards, Brooklyn, N. Y.

3873—Dogs (Milling Machine)

Irvington Mfg. Co., Irvington, N. J.
Menasha Wood Split Pulley Co., Menasha, Wis.
Ready Tool Co. ("Ready" Compensating), Bridgeport, Conn.
Williams J. H. Co. ("Vulcan" Drop Forged), 31 Richards, Brooklyn, N. Y.

3874— Dogs (Pinch)

(For Foundry Use)

Diamond Clamp & Flask Co., Richmond, Ind.
Johnson Wm. (Hedenberg Works), Newark, N. J.
Shanafelt Mfg. Co., Canton, O.
Wellman Products Co., 1444 E 49th, Cleveland, O.

3875—Dogs (Rafting & Lumber)

American Logging Tool Co., Evart, Mich.
Anderson Forge & Machine Co., Detroit, Mich.
Bacon & Matheson Forge Co. (Rafting & Lumber), 17H W. Lander, Seattle, Wash.
Bethlehem Steel Co., So Bethlehem, Pa.
Carroll Chain Co., Columbus, O.
See adv index at end of book
Multnomah Iron Works, **30th & Nicolai**, Portland, Ore.
Nixdorff-Krein Mfg. Co., 900 Howard, St. Louis, Mo.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Ransome Concrete Machinery Co., Dunellen, N. J.
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Warren Axe & Tool Co., Warren, Pa.

Dogs (Ring)

See Dogs, Rafting & Lumber

3876-7— Dogs (Saw Mill)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Saw Mill Machinery Co. ("American" Giant Duplex & "Knight's"), **Hackettstown, N. J.**
Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Diamond Iron Works ("Diamond & Dittenbenner"), **2nd & 13th av, N Minneapolis, Minn.**
Filer & Stowell Co., Milwaukee, Wis.
Frick Co., Waynesboro, Pa.
Garland M. Co. (Double Grip), Bay City, Mich.
Henderson W. K. Iron Works & Supply Co., Shreveport, La.
Hinds Thos. Co., Malone, N. Y.
Knight Mfg. Co., Canton, O.
Lane Mfg. Co., Montpelier, Vt.
Lippert E. T. Saw Co., Millvale, Pa.
Peavey Mfg. Co. ("Peavey"), Bangor, Me.
Phoenix Mfg. Co., Eau Claire, Wis.
Pittsburgh Knife & Forge Co., Ridge & **Chateau, Pittsburgh, Pa.**
SINKER-DAVIS CO. ("Knight"), Indianapolis, Ind.
Soule Steam Feed Works, Meridian, Miss.
Southern Engine & Boiler Mfg. Co., Jackson, Tenn.
Standard Saw Mill Machinery Co., Erie, Pa.
Stearns Co., Erie, Pa.
Taylor Iron Works & Supply Co., 1014 Broadway, Macon, Ga.
Wheland Co., W Side & 27th, Chattanooga, Tenn.

Dogs (Timber)

See Dogs, Rafting & Lumber

3878— Doilies (Paper)

American Lace Paper Co. ("American"), 908 Chestnut, Milwaukee, Wis.
Dennison Mfg. Co., 26 Franklin, Boston, Mass.
Embree Co., Buena Vista, Va.

Japanese Tissue Mills, Holyoke, Mass.
Milwaukee Lace Paper Co. ("Peerless"), 052 Lee av, Milwaukee, Wis.
Royal Lace Paper Wks., 842 Lorimer, B'klyn, N. Y.

3879—Dollies (Bridge Builders')

Stanley Rule & Level Co. (Atha Div.), New Britain, Conn.

3880— Dollies (Lumber)

Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Clark J. R. Co., 2nd av N & Aldrich, Minneapolis, Minn.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y.
See adv index at end of book
Fairbanks Co., 416 Broome, New York
Gerlach Peter Co., 1712 Winter, Cleveland, O.
Kilbourne & Jacobs Mfg. Co., Columbus, Ohio
Lansing Co., Lansing, Mich.
Menasha Wood Split Pulley Co., Menasha, Wis.
Ransome Concrete Machinery Co., Dunellen, N. J.
SASGEN DERRICK CO., 3000 W Grand av, Chicago, Ill.
See adv index at end of book
Soule Steam Feed Works, Meridian, Miss.
Standard Scale & Supply Co. (Timber), 1631 Liberty av, Pittsburgh, Pa.
Western Wheel Barrow Mfg. Co., South Fort Smith, Ark.

3881— Dollies (Riveting)

Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.

3882—Dollies (Tinners' & Roofers')

Emrich Phil., 824 Main, Cincinnati, O.

Dollies (Timber)

See Dollies, Lumber

3882a— Dolomite

Basic Products Co., Oliver bldg, Pittsburgh, Pa.
Dolomite Products Co., 1110 Euclid av, Cleveland, O.
Herzog Jno. & Son, Forest, Ohio
Iron Trade Products Co. (Crude & Burnt), Farmers Bank bldg, Pittsburgh, Pa.
Kelley Island Lime & Transport Co., Leader News bldg, Cleveland, O.
Kennedy Refractories Co., Bettsville, O.
Lavino E. J. & Co., Bullitt bldg, Phila., Pa.
National Mortar & Supply Co. (Crushed), H Federal Reserve bldg, Pittsburgh, Pa.
National Sales & Trading Co. (Raw & Burnt), Cleveland, Ohio
Standard Lime & Stone Co., Equitable bldg, Baltimore, Md.
Washington Brick, Lime & Sewer Pipe Co ("Waco"), Spokane, Wash.
Woodville Lime Products Co., 622 Madison av, Toledo, O.

3883— Door Bumpers

Champion Hardware Co. ("Champion" Metallic), Geneva, O.
Columbus Brass Co., 620 Dublin av, Detroit, Mich. *See adv index at end of book*
Elastic Tip Co., 370 Atlantic av, Boston, Mass.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Gallup Ruffing Handle Co. (Wood), Norwalk, O.
Griffin Mfg. Co., Erie, Pa.
Hart Sash Holder Co. (Automatic Bumper & Holder), Lexington, Mo.
Lawrence Bros., Sterling, Ill.
Mitchell Specialty Co., 3860 Coral, Philadelphia, Pa.
Milwaukee Stamping Co., W Allis, Milwaukee, Wis. *See adv index at end of book*
Penn Hardware Co., Reading, Pa.
Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book
Shelby Spring Hinge Co., (Also Screen Doors), Shelby, O.
Stevenson Mfg. Co. (Wood), South Bend, Ind. *See adv index at end of book*
STILES H. A. & CO., 166-174 Portland, Boston, Mass.
See adv index at end of book
Windham Handle Co., South Windham, Conn.

3884-5—Door Check & Spring Mfrs.

See also Springs, Door

Automatic Door Catch Co. ("Little Tiger" Automatic), Harvey, Ill.
Banker Mfg. Co. ("Invisible"), New Brunswick, N. J.
Barnett Foundry & Mach. Co. ("Barnett Pneumatic") Lyons av., Irvington N. J.
Bayer Gardner-Himes Co. ("Awl-In-One" Checking Spring Hinge), 101 Park av, New York
Caldwell Mfg. Co. (Checks, "Dime," "Caldwell"), Rochester, N. Y.
Corbin P. & F., New Britain, Conn.
Dunn Mfg. Co., Mankato, Minn.
Norton Door Closer Co., 2900 N Western av, Chicago, Ill.
Park Mfg. Co. ("Worcester Blount"), 47 Lagrange, Worcester, Mass.
Pullman Mfg. Co. (Door Checks, "Pullman"), Rochester, N. Y.
Reading Hardware Co. ("Reading"), Reading, Pa.
Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book
Rixson Oscar C. Co. ("Rixson" Overhead & Floor), 4450 Carroll av, Chicago, Ill.
Russell & Erwin Mfg. Co. ("Russwin" Liquid), New Britain, Conn.
Sargent & Co. ("Eclipse" "Sargent"), Water & Walce, New Haven, Conn.
Shelby Spring Hinge Co., Shelby, Ohio
Stanley Works ("Perfect"), New Britain, Conn. *See adv index at end of book*
Stronach Door Check Co., 160 N Wells, Chicago, Ill.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

3886—Door Frames (Wrought Iron, Welded Corners)

Braun J. G., 609 S Paulina, Chicago, Ill.
Central Metal Products Co. ("C. M. P."), Canton, Ohio
Perkins Mfg. Co., 1821 University av. (Guards), St. Paul, Minn.
See adv index at end of book

3887— Door Hangers

Allith-Prouty Co. ("Reliable" Roller Bearing), Danville, Ill.
Bridgeport Hardware Mfg. Corp. ("Perfect"), 461 Inn av, Bridgeport, Conn.
Chisholm-Moore Mfg. Co., 5046 Lakside, Cleveland, O.
Coburn Trolley Track Mfg. Co. (Slidings "Coburn"), P. O. Box 127, Holyoke, Mass.
Dix Mfg. ("Dix" Noiseless), 400 E Eager & Fallsway, Baltimore, Md.
Frantz Mfg. Co., Sterling, Ill.
Harris & Reed (Ball Bearing), 1500 W 15th, Chicago, Ill.
Hunt, Helm, Ferris & Co. ("Cannon Ball"), Harvard, Ill.
Lane Bros. Co. ("Lane's" Auditorium, Barn, Fire, Garage, Parlor, Warehouse, etc.), Poughkeepsie, N. Y.
Lawrence Bros. (General), Sterling, Ill.
Louden Machinery Co., Fairfield, Ia.
McCABE HANGER MFG. CO. ("McCabe" Ball Bearing & Tubular), 426-8 W 25th, New York
McKinney Mfg. Co. ("Hatfield" Barn Door), Liverpool & Metropolitan, Pittsburgh, Pa.
Martin S. B. ("Martin's"), Dalton, O.
Myers F. E. & Bro. ("Giant Tubular," "Stayon," "Sure Grip," "O. K."), 950 Orange, Ashland, Ohio
See adv index at end of book
National Mfg. Co. ("Silent"), Sterling, Ill.
National Mill & Lumber Co. ("Pitcher"), 5th & Bryant, San Francisco, Cal.
Newhall Henry B., 89 West, New York
Penn Hardware Co., Reading, Pa.
Porter J. E. Corp. ("Porter"), 503 Union, Ottawa, Ill.
Reliance Ball Bearing Door Hanger Co., 280 Starr, Brooklyn, N. Y.
Richards-Wilcox Mfg. Co. (Residence, Flats, Apartments, "Hero," "Palace," "LeRoy," "Royal," "Advance," "Rambler," "Simplex," "Model," "Champion"), Aurora, Ill.
See adv index at end of book
Richey, Browne & Donald (Crescent), Flushing av, Maspeth, New York
Richmond Safety Gate Co., Richmond, Ind.
Safety Door Hanger Co. ("World's Best," "Red Rib" & "Wizard" Adjustable), Ashland, O.
St. Louis Car Co. (Adjustable), 3000 N B'way, St. Louis, Mo.
Sharon Hardware Mfg. Co. ("Sharon" No. 75 Storm Proof), Sharon, Pa.
Strickler Hay Tool Co. ("Strickler"), Janesville, Wis.
Stowell Co., The ("Wilbern Adjustable"), South Milwaukee, Wis.
Victor Mfg. Co. ("Victor"), Newburyport, Mass.
Wagner Mfg. Co. ("Wagner Leader"), Cedar Falls, Ia.
Whitaker Mfg. Co. ("Whitaker"), 409 S Green, Chicago, Ill.
Wrightsville Hdwre. Co., Wrightsville, Pa.

3888—Door Hangers (Accordion or Folding)

Allith-Prouty Co. ("Allith"), Danville, Ill.
McCABE HANGER MFG. CO. ("McCabe"), 426-8 W 25th, New York
Ogden J. Edward Co., 147 Cedar, New York
Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book

3889—Door Hangers (Adjustable)

McCabe Hanger Mfg. Co., 426-8 W 25th, New York
Myers F. E. & Bro., 950 Orange, Ashland, Ohio
See adv index at end of book
Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book
St. Louis Car Co. (Car), 3000 N B'way, St. Louis, Mo.

3890—Door Hangers (Auditorium)

Coburn Trolley Track Mfg. Co. (Slidings "Coburn"), P. O. Box 127 Holyoke, Mass.
Lane Bros. Co., Poughkeepsie, N. Y.
McCabe Hanger Mfg. Co., 426-8 W 25th, New York
Richards-Wilcox Mfg. Co. ("Richards" Folding), Aurora, Ill.
See adv index at end of book
Sharon Hardware Mfg. Co., Sharon, Pa.

3891—Door Hangers (Barn or Warehouse)

Alco Foundry & Machine Co. (Barn), Hillsdale, Mich.
Allith-Prouty Co. ("Allith" & "Reliable," Roller Bearing), Danville, Ill.
Aurora Door Hanger & Specialty Co., Aurora, Ill.
Chisholm - Moore Mfg. Co. (Warehouse Only), 5046 Lakeside, Cleveland, Ohio
Coburn Trolley Track Mfg. Co. ("Coburn"), P. O. Box 127, Holyoke, Mass.
ing Garage), 950 Orange, Ashland, O.
Frantz Mfg. Co. ("Glide"), Sterling, Ill.
Hunt, Helm, Ferris & Co. ("Star," "U. S.," "Giant," "Knoxall," "20th Century," Plain & Ball Bearing, Harvard, Ill.
Lane Bros. Co. ("Lane's), Carroll, Poughkeepsie, N. Y.
Lawrence Bros. ("Lawrence" Trolley, "Cyclone," "Clipper," "Union," "New Giant," "King Bee," "Cleveland," "Century," "Hummer," "Peerless," "Sterling," "Electric," also Parlor Door), Sterling, Ill.
Louden Machinery Co. ("Louden," "Royal"), Fairfield, Ia.
McCABE HANGER MFG. CO. ("McCabe" Ball Bearing, etc.), 426-8 W 25th, New York
McKinney Mfg. Co. ("Keystone"), Liverpool & Metropolitan, Pittsburgh, Pa.
Martin S. B. ("Martin Wonder," "Bird," "Channel"), Dalton, O.
Myers F. E. & Bro. ("Faultless," "Myers' Adjustable Tandem," "O K" & "Stayon" Flexible, "Sure Grip" Flexible, "Sure Grip" Tandem Flexible, "Sure Grip" Adjustable Tandem, "O K Adjustable," "New Way" Tubular & Giant Tublar, "Faultless" Self-Cleaning Garage), 900 Orange, Ashland, O.
See adv index at end of book
National Mfg. Co. ("National," "Big 4," "Stormproof," "National"), Sterling, Ill.
Newhall Henry B., 89 West, New York
Ney Mfg. Co., Canton, O.
Ogden J. Edward Co., 147 Cedar, New York
Penn Hardware Co., Reading, Pa.
Porter J. E. Co. ("Tonado," "Whirlwind," "Can'tgetoff" & "Porter's"), Ottawa, Ill.
RICHARDS-WILCOX MFG. CO. ("Richards," "Acme," "Ajax," "Duplex," "Everson," "Gem," "Richard Boss," "Richards Peerless," "King," "Samson," "Standard," "Superior," "Sure-On," "U. S.," "Victor," "World," "Expansion," "Jumbo," "Hercules," "Erie," "L. T.," "Wilcox," "World Wide"), Aurora, Ill.
See adv index at end of book
Richey, Browne & Donald ("Crescent"), Flushing av, Maspeth, New York
Richmond Safety Gate Co., Richmond, Ind.
Safety Door Hanger Co. ("Safety," "Storm King," "World's Best," "U. S. Standard," "Wizard" Adjustable, "Red-Rib"), Ashland, O.
Sargent & Co., Water & Walce, New Haven, Conn.
Sharon Hardware Mfg. Co. ("Sharon Trolley," "Common," "Big Ben," No. 75 Storm Proof), Sharon, Pa.
Souther E. E. Iron Co. ("Run Easy"), Klenlin & Hamburger, St. Louis, Mo.
Stowell Co., The ("Wilbern," "Wilbern Adjustable"), So. Milwaukee, Wis.
Strickler Hay Tool Co. ("Strickler"), Janesville, Wis.
Swineford G. A. Co. ("Hinge-Stay-On"), Canton, O.
Taylor & Boggis Foundry Co., Cleveland, O.
Victor Mfg. Co. ("Victor"), Newburyport, Mass.
Wagner Mfg. Co. ("Wagner Leader"), Cedar Falls, Ia.
Whitaker Mfg. Co. ("Whitaker"), 409 S Green, Chicago, Ill.
Wrightsville Hardware Co., Wrightsville, Pa.

3892— Door Hangers (Car)

Chisholm-Moore Mfg. Co. ("Moore's Baggage Door"), 5046 Lakeside, Cleveland, O.
Jones Car Door Co., Monadnock blk, Chicago, Ill.
McCabe Hanger Mfg. Co. ("McCabe" Ball Bearing), 426-8 W 25th, New York
Newhall Henry B., 89 West, New York
St. Louis Car Co., 3000 N B'way, St. Louis, Mo.
Stowell Co., The ("Stowell," "Wilbern Adjustable," "Moore"), So Milwaukee, Wis.

3893—Door Hangers (Elevator)

Chisholm-Moore Mfg. Co. ("Moore's," Anti-Friction Roller Bearing), 5046 Lakeside, Cleveland, O.
Grant Pulley & Hardware Co. ("Diamond"), 101 Park av, New York.
McCABE HANGER MFG. CO. ("McCabe"), 426-8 W 25th, New York
Myers F. E. & Bro., 950 Orange, Ashland, O.
See adv index at end of book
Newhall Henry B., 89 West, New York
Richards-Wilcox Mfg. Co. ("Ideal," "Invincible" Ball & Roller Bearings), Aurora, Ill. *See adv index at end of book*
Richmond Safety Gate Co., Richmond, Ind.
SMITH F. P. WIRE & IRON WORKS, 3340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Stowell Co., The ("Wilbern Adjustable" Loose Axle & Roller Bearing), S. Milwaukee, Wis.

3894— Door Hangers (Fire)

Allith-Prouty Co. ("Allith" & "Prouty," "Reliable" Roller Bearing), Danville, Ill.
Aurora Door Hanger & Specialty Co., Aurora, Ill.
Cal. Fire Proof Door Co., 1933 S Los Angeles, Los Angeles, Cal.
Lane Bros. Co., Poughkeepsie, N. Y.
McCabe Hanger Mfg. Co., 426-8 W 24th, New York
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Myers F. E. & Bro., 950 Orange, Ashland, O.
See adv index at end of book
Newhall Henry B., 89 West, New York
Richards-Wilcox Mfg. Co. (Roller Bearing, also Fixtures), Aurora, Ill.
See adv index at end of book
Richmond Safety Gate Co., Richmond, Ind.
Stowell Co., The ("Wilbern Adjustable," "Underwriters"), S Milwaukee, Wis.
Victor Mfg. Co. ("Victor"), Newburyport, Mass.

Door Hangers (Garage)

See Hangers, Garage Door

3894a—Door Hangers (No-Track-Sliding)

COBURN TROLLEY TRACK MFG. CO. ("Coburn"), P. O. Box 127, Holyoke, Mass.

3895—Door Hangers (Parlor)

Allith-Prouty Co. ("Prouty" Roller Bearing, Danville, Ill.
Aurora Door Hanger & Specialty Co., Aurora, Ill.
Coburn Trolley Track Mfg. Co. (Sliding "Coburn"), P. O. Box 127, Holyoke, Mass.
Detroit Brass & Malleable Wks. (Cast Iron), 1177H Holden, Detroit, Mich.
Dix Mfg. Co. ("Dix" Noiseless), 400 E Eager, Fallsway, Baltimore, Md.
Hunt, Helm, Ferris & Co. ("Cannon Ball," Roller Bearing), Harvard, Ill.
Lane Bros. Co. ("Lanes Standard"), Poughkeepsie, N. Y.
Lawrence Bros. ("Easy," "Lawrence," "Cyclone," "City," Accordion New Electric Six), Sterling, Ill.
Lultink & Sons Mfg. Co., 775 18th, Milwaukee, Wis.
McCABE HANGER MFG. CO. ("McCabe" Ball Bearing), 426-8 W 25th, New York
National Mfg. Co. ("Silent"), Sterling, Ill.
Newhall Henry B., 89 West, New York
Richards-Wilcox Mfg. Co. (Trolley, Ball & Roller Bearing, etc.), Aurora, Ill.
See adv index at end of book
Richey, Browne & Donald (Crescent), Flushing av, Maspeth, New York
Sharon Hardware Mfg. Co. ("Sharon"), Sharon, Pa.
Wagner Mfg. Co. ("Wagner Leader"), Cedar Falls, Ia.

3896—Door Hangers (Sliding or Folding)

Allith-Prouty Co. ("Reliable"), Danville, Ill.
Lane Bros. Co., Poughkeepsie, N. Y.
McCabe Hanger Mfg. Co. ("McCabe" Ball Ball Bearing, etc.), 426-8 W 25th, New York
Myers F. E. & Co. ("Giant Tubular," "Stayon," "Faultless" Garage), 950 Orange, Ashland, O.
See adv index at end of book
Newhall Henry B., 89 West, New York.
Ogden J. Edward Co., 147 Cedar, New York
Pacific Tank & Pipe Co. ("Pitcher" Sliding), 320 Market, San Francisco, Cal.
Peters Jas. & Son, 1934 N Front, Phila., Pa.
Richey, Browne & Donald (Crescent), Flushing av, Maspeth, New York
Richmond Safety Gate Co., Richmond, Ind.
Sharon Hardware Mfg. Co., Sharon, Pa.

3897—Door Hangers (Trolley Track)

Allith-Prouty Co., Danville, Ill.
Aurora Door Hanger & Specialty Co., Aurora, Ill.
McCABE HANGER MFG. CO. ("McCabe" Ball Bearing, etc.), 426-428 W 25th, New York
Myers F. E. & Bro., 950 Orange, Ashland, O.
See adv index at end of book
Newhall Henry B., 89 West, New York
Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book
Sharon Hardware Mfg. Co. ("Penn," "Flying Dutchman," "B. B." "Sharon"), Sharon, Pa.
Wagner Mfg. Co. ("Wagner Leader"), Cedar Falls, Ia.

3898— Door Holders

See also Door Stops

Bolles Wm. B. (Automatic Locks & Latches), P. O. Box 600, M Milwaukee Wis.
Bommer Spring Hinge Co. ("Bommer"), 263 Classon av, Brooklyn, N. Y.
Brainerd Mfg. Co., East Rochester, N. Y.
Champion Hardware Co ("Champion"), Geneva, O.
Corbin P. & F. ("Corbin"), Dept. H, New Britain, Conn.
Frantz Mfg. Co. ("Glide"), Sterling, Ill.
Griffin Mfg. Co. (Garage), Erie, Pa.
Neal B. B. Hardware Co. ("Minn"), 235 Canal, New York
Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book
Rixson Oscar C. Co. ("Rixson"), 4450 Carroll av, Chicago, Ill.
Stanley Works (Garage Wrought Steel), New Britain, Conn.
Superior Spring Hinge Co. ("Superior"), 550 W. Lake, Chicago, Ill.

3899—Door Jambs (Drawn Steel)

Braun J. G., 609 S. Paulina, Chicago, Ill.
Central Metal Products Corp., Canton, O.
Mesker Bros. Iron Co. (Drawn), 421 S 6th, St. Louis, Mo.
Withers Foundry & Machine Works, Atlanta, Ga.

3900—Door Knobs (Brass & Bronze)

Art Hardware & Mfg. Co., Seattle, Wash.
Barrows Lock Co., Lockport, Ill.
Corbin P. & F., New Britain, Conn.
Sager Lock Co., North Chicago, Ill.
Sargent & Co. (& Steel), Water & Walce, New Haven, Conn.
Schroder J. B. & Co. 133 E 5th, Cincinnati, O.

Door Knobs (Common)

See Locks & Knobs

Door Knobs (Glass)

See Knobs, Glass

3901—Door Knobs (Screwless)

Corbin P. & F., New Britain, Conn.
Mousley's Chas. Sons, 457 N 12th, Phila., Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co. (All Kinds), Water & Walce, New Haven, Conn.

Door Knobs (Wood)

See Knobs, Wood

3902—Door Knockers (Colonial)

Austin & Smith Co., 164 Brewery, New Haven, Conn.
See adv index at end of book
Boston Brass Andiron Co., 104 Utica, Boston, Mass.
Penn Hardware Co., Reading, Pa.
Safe Padlock & Hardware Co., Lancaster, Pa.
Sargent & Co., Water & Walce, New Haven, Conn.

3903—Door Openers (Electric)

Bunnell J. H. & Co., 32 Park pl, New York
Corbin P. & F., New Britain, Conn.
Edwards & Co., Exterior av & 140th, New York
Electrical Products Mfg. Co. ("Security"), 69 S Sprague, Providence, R. I.
Keil Francis & Son, 401 E 163d, New York
Manhattan Electrical Supply Co., 17 Park pl, New York
Mueller M., 18 Devonshire, Boston, Mass.
Ostrander W. R. & Co., 371 B'way, New York
Partrick & Wilkins Co., 51 No 7th, Phila., Pa.
Richards-Wilcox Mfg. Co. (Garage Doors & Closers), Aurora, Ill.
See adv index at end of book
Schneider John S., Ridgefield, Conn.
Standard Lock Co. ("Champion"), 113 Himrod, Brooklyn, N. Y.
STEWART JAS. & CO. INC. (Car), 1210 Fisher bldg, Chicago, Ill.
Varnum Door Engine Co., 949 W 16th, Los Angeles, Cal.
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

3904-5—Door Opening & Closing Device (Pneumatic)

Consolidated Car Heating Co. (For Cars), Albany, N. Y.
National Pneumatic Co., Inc., 50 Church, New York

3906— Door Stops

Aurora Door Hanger & Specialty Co., Aurora, Ill.
Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York.
See adv index at end of book
Brohard Co. ("Brohard" Holders), 3rd & Brainerd Mfg. Co., East Rochester, N. Y.
Lehigh, Phila., Pa.
Caldwell Mfg. Co. ("The Empire" & "Caldwell" Door Holder), Rochester, N. Y.
Champion Hardware Co. ("Champion" Floor), Geneva, O.
Chapin-Stephens Co., Pine Meadow, Conn.
Columbus Brass Co, 538 Dublin av, Columbus, O. *See adv index at end of book*
Corbin P. & F., New Britain, Conn.
Dent Hardware Co. (Stops & Holders), Fullerton, Pa.
Detroit Shipbuilding Co. (Brass Dept.), ft. Orleans, Detroit, Mich.
Enterprise Hardware Mfg. Co., Frederick, Md.
Estes E. B. & Sons, 364 5th av (Wood), New York. *See adv index at end of book*
Gallup Ruffing Handle Co., Norwalk, O.
Griffin Mfg. Co. (Garage Door Holder), Erie, Pa.
Hardware Supply Co., Grand Rapids, Mich.
Highton Wm. & Sons Co., Nashua, N. H.
Hubley Mfg. Co. (Fancy), Lancaster, Pa.
Ives H. B. Co., New Haven, Conn.
Judd R. D., New Britain, Conn.
National Mfg. Co. (Door Holder), Sterling, Ill.
North Wales Machine Co. ("North Wales Door Holder), North Wales, Pa.
Norwalk Lock Co., South Norwalk, Conn.
Payson Mfg. Co., 2918 W Jackson blvd, Chicago, Ill.
Penn Hardware Co., Reading, Pa.
Piqua Handle & Mfg. Co. (Wood), P. O. Box 307, Piqua, O.
Racine Metal Stamping Co. (Also Holders), Racine, Wis.
Reading Hardware Co., Reading, Pa.
Rostand Mfg. Co. ("Rostand" Brass & Iron), Milford, Conn.
Russell & Erwin Mfg. Co. ("Russwin"), New Britain, Conn.
Sargent & Co. (Door Holders), New Haven, Conn.
Shelby Spring Hinge Co. (Door Holders for Garage Doors), Shelby, O.
Stanley Works (Wrought Steel Door Holder), New Britain, Conn.
Sterling Foundry Co. (Automatic Door Holder), Sterling, Ill.
STILES H. A. & CO. (Wooden), 166-174 Portland, Boston, Mass.
See adv index at end of book
Strock L. W. & Co. (Wood), Bethlehem, Pa.
Union Hardware Co., Torrington, Conn.
Weber-Knapp Co., Jamestown, N. Y.

3907-8— Doors (Art Metal)

See also Bronze Doors; also Doors, Metal Entrance

Central Metal Products Co. ("C. M. P."), Canton, Ohio
Ferro-Studio Inc., 223 E 150th, New York
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
McFarland J. C. Co., 300 S Michigan, Chicago, Ill.
Thorp Fire Proof Door Co., 1600-1616 Central av, Minneapolis, Minn.
Wis. Iron & Wire Wks., 1660 Booth, Milwaukee, Wis.

3909— Doors (Ash-Pit)

Adams Co., Dubuque, Ia.
American Scale Co., 517 Delaware, Kansas City, Co.
Bayley Wm. Co., Springfield, O.
Bignall Co., Medina, N. J.
Burr Co., Champaign, Ill.
Canton Foundry & Machine Co., Canton, O.
See adv index at end of book
Chattanooga Implement & Mfg. Co., Office E. C., Chattanooga, Tenn.
Chattanooga Roofing & Fdry. Co., Chattanooga, Tenn.
Covert H. W. Co., 137 E 46th, New York.
Creswell Samuel J. Iron Works, 23d & Cherry, Phila., Pa.
Donaldson Bros., Mount Clemens, Mich.
Donley Bros. Co. (The), 13935 Miles av, Cleveland, O. *See adv index at end of book*
Dow Co., 201H N Buchanan, Louisville, Ky.
Gehl Bros. Mfg. Co., West Bend, Wis.
Glascock Stove & Mfg. Co., Greensboro, N. C.
Hastings Foundry & Iron Works, Hastings, Neb.
Indiana Foundry Co., Dept. H, Indiana, Pa.

JACKSON EDWIN A. & BRO., INC., 50 Beekman, New York.
See adv index at end of book
Jardine Walter S. & Son Co. (Fireplace), 29 Central, Arlington Heights, Mass.
Klauer Mfg. Co., Dubuque, Iowa
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
Littleford Bros., 444 E Pearl, Cincinnati, O.
See adv index at end of book
Majestic Co. ("Majestic"), Huntington, Ind.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Mostberger Iron Co., 878 S. Division, Buffalo, N. Y.
Quinn Wire & Iron Co., Boone, Ia.
Republic Structural Iron Wks. Co., 1350 E 53rd, Cleveland, O.
Roanoke Iron & Bridge Wks., Inc., Roanoke, Va.
Rock Island Mfg. Co., Rock Island, Ill.
Rohns Albert & Co., 1250 Colvert, Detroit, Mich.
St. Louis Wire & Iron Co., St. Louis, Mo.
ST. PAUL FOUNDRY CO., Como av & Mackubin, St. Paul, Minn.
See adv index at end of book
Sanitary Co., Dept. H, Linfield, Pa.
SMITH F. P. WIRE & IRON WORKS, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Sperry D. R. & Co., Batavia, Ill.
Stowell Co., The (also Flue), So Milwaukee, Wis.
Swett A. L. Iron Works, Medina, N. Y.
United States Hdwe. & Mfg. Co., 16H Warren av, Pawtucket, R. I.
Western Iron & Foundry Co., Wichita, Kan.
Withers Foundry & Machine Works, Atlanta, Ga.

3909a—Door (Automatic Fire)

CORNELL IRON WORKS ("Llenroc"), 25th & 11th av, New York
KINNEAR MFG. CO., 716-766 Field av, Columbus, O.
See adv index at end of book
Perkins Mfg. Co., 1821 University av, St. Paul, Minn.
Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book
Richmond Safety Gate Co., Richmond, Ind.
Wilson J. G. Corp., 11 E 36th, New York
World Fireproof Door Corp., 448 Tiffany, New York

3910-11—Doors (Baker's Oven)

Albrecht Francis J. (Automatic with Illuminating Connection), 1146 Penn av, Pittsburgh, Pa.
Dutchess Tool Co., Beacon, N. Y.
Indiana Foundry Co., Dept. H, Indiana, Pa.
Lucas A. & Sons, 1329 S Washington, Peoria, Ill.
Mills Thos. & Bro., 8th & Thompson, Phila., Pa.
Robson Chas. & Co. ("Vienna" Patent), 8th & Washington av, Phila., Pa.
Sperry D. R. & Co., Batavia, Ill.
Watkins Jas. Y. & Son, 20 Catharine, New York
Western Iron & Foundry Co., Wichita, Kan.

3912—Doors (Bronze & Iron)

Amos Chas. & Co. Inc., 3000 Hart av., Detroit, Mich.
Brombacher Iron Works, 5555 Magnolia, Los Angeles, Cal.
Central Metal Products Corp., Canton, O.
Cincinnati Mfg. Co., Cincinnati, O.
DAHLSTROM METALLIC DOOR CO. (Hollow Metal), 413 Buffalo, Jamestown, N. Y.
See adv index at end of book
Dow Co., 201H N Buchanan, Louisville, Ky.
Ellison Brass Mfg. Co. (Bronze), Jamestown, N. Y.
Ferro-Studio Inc. (Iron Only), 228 E 150th, New York
Gorham Co., Architectural Bronze, 5th av & 36th, New York.
Halsted Joseph Co., 1233 W Randolph, Chicago, Ill.
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
Lasar Mfg. Co., 1313 N 16th, St. Louis, Mo.
McFarland J. C. Co., 300 S Michigan blvd, Chicago, Ill.
Manton & Smith Co., 3333 W. Grand av, Chicago, Ill.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Michael's Art Bronze Co., Covington, Ky.
Polachek John Bronze & Iron Co., 476H Hancock, Long Island City, N. Y.
SMITH F. P. WIRE & IRON WORKS, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Thorp Fire Proof Door Co., 1600-1616 Central av, Minneapolis, Minn.
Tyler W. S. Co., Cleveland, Ohio
See adv index at end of book
Wisconsin Iron & Wire Wks., Milwaukee, Wis.

3912a—Doors (Bulkhead S. S.)

McNab Co. ("Stones Hydraulic"), Bridgeport, Conn.

3913— Doors (Canopy)

Ogden J. Edward Co., 147 Cedar, New York

3914— Doors (Cellar)

CANTON FDRY. & MACH. CO., Canton, Ohio *See adv index at end of book*
Chattanooga Roofing & Fdry. Co., Chattanooga, Tenn.
Ernst C. K., Buffalo, N. Y.
Halsted Joseph Co., 1233 W Randolph, Chicago, Ill.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Littleford Bros., 444 E Pearl, Cincinnati, O. *See adv index at end of book*
Lucas A. & Sons ("Flush Top" Wrought Steel), 1329 S Washington, Peoria, Ill.
Mesker Bros. Iron Co., 421 S 6th St. Louis, Mo.
Meyers Fred J. Mfg. Co. (Steel Patented), Hamilton, O.
Perkins Mfg. Co., 1821 University av, St. Paul, Minn. *See adv index at end of book*
Potts Mfg. Co. ("Potts"), Mechanicsburg, Pa.
Remaly Mfg. Co., Tamaqua, Pa.
Riesick Iron Works, 1201 Metropolitan, Pittsburgh, Pa.
Roanoke Iron & Bridge Works Inc., Walnut av, Roanoke, Va.
St. Louis Wire & Iron Co. (Steel), St. Louis, Mo.
Schreiber L. & Sons Co. (Steel Patented), 3869 Ivanhoe, Cincinnati, O.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Smith Sash & Door Co., 175H Exchange, Rochester, N. Y.
Vilsack Martin Co., 3222 Penn av, Pittsburgh, Pa.
Wrobbel-Maine Co., The, 3106 E 63rd, Cleveland, Ohio

3915— Doors (Cleanout)

Canton Foundry & Machine Co., Canton, Ohio
COVERT H. W. CO. (Ash), 137 E 46th, New York
Donley Bros. Co. (The), 13935 Miles av, Cleveland, O.
See adv index at end of book
Indiana Foundry Co., Dept. H, Indiana, Pa.
Republic Structural Iron Wks. Co., 1350 E 53rd, Cleveland, O.
St. Louis Wire & Iron Co., St. Louis, Mo.
Sterling Foundry Co. ("Best"), Sterling, Ill.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.
Western Iron & Foundry Co., Wichita, Kan.
Withers Foundry & Machine Works, Atlanta, Ga.

3915a—Doors (Coal Chute, Steel)

Youngstown Pressed Steel Co., Warren, Pa.
See adv index at end of book

Doors (Coal Hole)

See Doors, Ash-Pit

Doors (Coiling, Vertical)

See Partitions, Wood Rolling

3916— Doors (Cold Storage)

Brecht Co. (Cork Insulated), 1201 Cass av. St. Louis, Mo.
Coast Refrigerator Co., Fell & Gough, San Francisco, Cal.
Crescent Mfg. & Bldg. Co., 1318 Belmont, Portland, Ore.
Dealers Refrigerator Co., 466 6th, San Francisco, Cal.
Ehrlich H. & Sons Mfg. Co., St. Joseph, Mo.
Fresno Show Case & Fixture Co., 1805 Anna, Fresco, Cal.
Gillen-Cole Co. ("Zeroplus"), 60 N Front, Portland, Ore.
Harris Ice Machine Co., 174 E Water, Portland, Ore.
Hill C. V. & Co., 360H Pennington, Trenton, N. J.
Jamison Cold Storage Door Co. ("Jones," "No-Equal"), Hagerstown, Md.
Jones R. E., "Victor," Hagerstown, Md.
Mowat Refrigerator Co., 25 Oak Grove av, San Francisco, Cal.
National Refrigerators Co., 827 Koelin av, St. Louis, Mo.
Oakland Refrigerator & Butchers' Supply Co., 1616 E. 12th, Oakland, Cal.
Pacific Refrigerator Co., 431 Gough, San Francisco, Cal.
Perkins Mfg. Co., 1821 University av, St. Paul, Minn. *See adv index at end of book*
Stevens Benj. A. Co., Toledo, O.
Stevenson Cold Storage Door Co. (Air & Fireproof), Chester, Pa.
Victor Cooler Door Co., Hagerstown, Md.
Ward Refrigerator Co., 6801 S Alameda, Los Angeles, Cal.

3917—Doors (Copper Covered)

See also Doors, Fire-Proof, Metal & Metal Covered

California Fire Proof Door Co., 1931 S. Los Angeles, Los Angeles, Cal.
Central Metal Products Corp., Canton, O.
Chesley A. C. Co., 275 Rider av, New York
Dowman-Dozier Mfg. Co., Atlanta, Ga.
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
Thorp Fire Proof Door Co. ("Thorp-Richardson"), 1600-1610 Central av, Minneapolis, Minn.
United States Metal Products Co., 330H 10th, San Francisco, Cal.

3917a— Doors (Core Oven)

CORNELL IRON WORKS ("Cornell"), 25th & 11th av, New York
KINNEAR MFG. CO., 716-766 Field av, Columbus, O.
See adv index at end of book
Perkins Mfg. Co., 1821 University av, St. Paul, Minn. *See adv index at end of book*

3918—Doors (Crane Runway)

Cornell Iron Works ("Cornell"), 25th & 11th av, New York
Ogden J. Edward Co., 147 Cedar, New York
PERKINS MFG. CO., 1821 University av, St. Paul Minn.
See adv index at end of book

3919—Doors (Cypress, Wholesale)

Barnum E. T. Iron & Wire Wks., 4612 Woodward av, Detroit, Mich.
Carr, Ryder & Adams Co., Dubuque Ia.
Curtis Bros. & Co., Clinton, Ia.
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Goshen Sash & Door Co., Goshen, Ind.
Lutcher & Moore Cypress Lumber Co., Ltd., Lutcher, La.
McClelland T. W. Co. (Wholesale Mfrs.), Davenport, Ia.
Rock Island Sash & Door Works, Rock Island, Ill.
Sanders Bros. Mfg. Co., Ottawa, Ill.
Selden Cypress Door Co., Palatka, Fla.
STEARNS A. T. LUMBER CO., 100 Taylor, Boston, Mass.
See adv index at end of book

3920— Doors (Drop Fire)

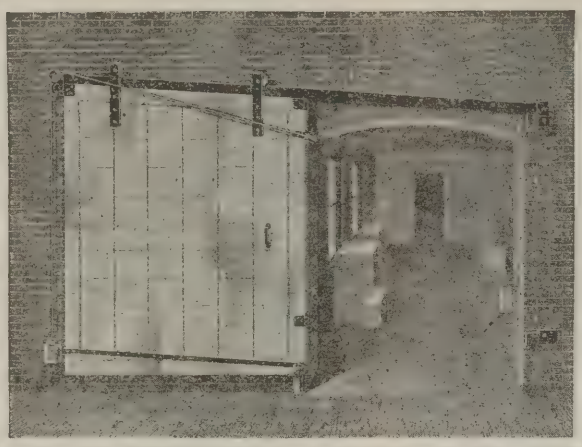
Allith-Prouty Co. ("Reliable" Automatic Self-Closing), Danville, Ill.
California Fire Proof Door Co., 1931 S. Los Angeles, Los Angeles, Cal.
Codd E. J. Co., 700 S. Carolina, Baltimore, Md.
CORNELL IRON WORKS ("Llenroc"), 25th & 11th av, New York
Dole Valve Co., 1923 Carroll, Chicago, Ill.
Johnson Geo. W. Mfg. Co., 209 W 17th, Kansas City, Mo.
KINNEAR MFG. CO., 716-766 Field av, Columbus, O.
See adv index at end of book
Perkins Mfg. Co., 1821 University av, St. Paul, Minn. *See adv index at end of book*
Wilson J. G. Corp., 11 E 36th, New York

3921-2— Doors (Dry Kiln)

Curtis-Hosey Dryer Co., Pyle bldg, 23rd & Chestnut, Philadelphia, Pa.
Hadfield-Penfield Steel Co. (The), Bucrus, O. *See adv index at end of book*
Henderson Drying Equipment Co., 283 Holland, Syracuse, N. Y.
See adv index at end of book
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Johnson Geo. W. Mfg. Co., 209 W 17th, Kansas City, Mo.
Marion Machine Foundry & Supply Co., Marion, Ind.
Perkins Mfg. Co., 1821 University av, St. Paul, Minn. *See adv index at end of book*

3923— Doors (Elevator)

Central Metal Products Co. ("C. M. P."), Canton, Ohio
Cornell Iron Works, 25th & 11th av, New York
Dahlstrom Metallic Door Co. (Enclosure), 413 Buffalo, Jamestown, N. Y.
See adv index at end of book
Dow Co., 201H N Buchanan, Louisville, Ky.
Ferro-Studio Inc., 228 E 150th, New York
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
Lenderking P. H., Dept. H, Linwood & Dillon, Baltimore, Md.
McFarland J. C. Co., 300 S Michigan, Chicago, Ill.
Manton & Smith Co., 3333 W. Grand av, Chicago, Ill.
Perkins Mfg. Co., 1821 University av, St. Paul, Minn.
Richmond Safety Gate Co., Richmond, Ind.
Thorp Fire Proof Door Co., 1600-1616 Central av, Minneapolis, Minn.
Tyler W. S. Co., Cleveland, Ohio
See adv index at end of book
Variety Fire Door Co. Inc. ("Cross"), 2958H Carroll av, Chicago, Ill.
Wilson J. G. Corp., 11 E 36th, New York



"A Hanger For Any Door That Slides"

Including House Doors, Garage Doors, Factory Doors, Freight House Doors, Warehouse Doors, School House Doors, etc., etc.

Also a complete line of Tin Clad and Corrugated Sheet Metal Fire Doors, OveR-Way Conveying Equipment, Mounted Grindstones, Vises and Benches.

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"A Hanger for any Door that Slides."

AURORA, ILLINOIS, U.S.A.

Minneapolis Philadelphia Chicago Boston New York St. Louis Cleveland Indianapolis Los Angeles San Francisco

RICHARDS-WILCOX CANADIAN CO. Ltd

Winnipeg LONDON, ONT Montreal

3924-5—Doors (Elevator Automatic)

See also Doors, Hatch, Automatic)

Bardsley Bros. Co., 151 Baxter, New York Central Metal Products Corp., Canton, O.

CORNELL IRON WORKS ("Llenroc"), 25th & 11th av, New York

DOWMAN-DOZIER MFG. CO., Atlanta, Ga.

Hanke Iron & Wire Works ("The Meeker"), 800 N. Albany av, Chicago, Ill.

Kauman Walter Mfg. Co., 3258 Spring Grove av, Cincinnati, Ohio

Kinnear Mfg. Co., Columbus, O.
See adv index at end of book

Perkins Mfg. Co., 1821 University av, St. Paul, Minn. *See adv index at end of book*

Reedy H. J. Elevator Co. (Standard Styles), 15 W 2d, Cincinnati, O.

Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book

Saino F. L. Mfg. Co., 70 W Colorado av, Memphis, Tenn.

Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book

Warner Elevator Mfg. Co., Spring Grove av, Cincinnati, Ohio

Warsaw Elevator Co., Warsaw, N. Y., & Dunn bldg, Buffalo, N. Y.
See adv index at end of book

3926—Doors (Elevator, Bronze)

See also Bronze Doors

BUFFALO WIRE WORKS CO., 453 Terrace, Buffalo, N. Y.
See adv index at end of book

California Fire Proof Door Co., 1931 S Los Angeles, Los Angeles, Cal.

Central Metal Products Co. ("C. M. P."), Canton, Ohio

Cincinnati Mfg. Co., Cincinnati, O.

Dahlstrom Metallic Door Co. (Bronze & Hollow Metal), 413 Buffalo, Jamestown, N. Y.

Estey Bros. Co., 1006 Metropolitan av, Brooklyn, N. Y.

Heath J. S. Co., Franklin & Ontario, Chicago, Ill.

Hecla Iron Works, 118 N 11th, Brooklyn, N. Y.

Meyers Fred J. Mfg. Co., Hamilton, O.

Polachek John Bronze & Iron Co., 476H Hancock, Long Island City, N. Y.

Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book

Thorp Fire Proof Door Co., 1600-1616 Central av, Minneapolis, Minn.

TYLER W. S. CO., Cleveland, O.
See adv index at end of book

3927— Doors (Fir)

Chehalis Fir Door Co., McCleary, Wash.

Gordon Van Tin Co., Davenport, Ia.

Nicolai Door Co. of Cal., 19th & Harrison, San Francisco, Cal.

Pacific Mutual Door Co., Tacoma, Wash.

CONSULT THE INDEX TO TRADES

Doors (Fire)

Note.—For manufacturers of various kinds of fire doors see sub-classifications of this heading following in their regular alphabetical order. See also "Shutters (Fire)."

3928—Composite Fire Doors (Sliding and Swinging Type)

Alignum Fireproof Products Co., Inc., So. River, N. J.

Perkins Mfg. Co., 1821 University av, St. Paul, Minn.
See adv index at end of book

World Fireproof Door Corp., 4158 Schubert av, New York

World Fireproof Door Corp., 448 Tiffany, New York

3929— Hollow Metal Fire Doors (Swinging Type)

Alignum Fireproof Products Co., Inc., So. River, N. J.

Art Metal Construction Co., Jamestown, N. Y.

Art Metal Fire-Proof Door & Trim Co., Inc. (U. S. I.), 2732 Wentworth av, Chicago, Ill.

Bayer J. C., 204 Market, Portland, Ore.

Cincinnati Mfg. Co. (The), Evans & Gest, Cincinnati, O.

Central Metal Products Corp., Canton, O.

Dahlstrom Metallic Door Co. ("Dahlstrom" Patent Construction, Artistically Finished, Absolutely Fireproof Hollow Metal Steel, Bronze or Copper), 143 Buffalo, Jamestown, N. Y., & Consolidated Gas bldg, 130 E 15th, New York

Dowman-Dozier Mfg. Co., Atlanta, Ga.

Forderer Cornice Works, 269 Petrero av, San Francisco, Cal.

Knisely Co., Harry C., 1912 S. Western av, Chicago, Ill.

Lawton-Stephens Co., Inc., 427 Marcy av, Brooklyn, N. Y.

Lenderking P. H., Dept. H, Linwood & Dillon, Baltimore, Md.

McFarland J. C. Co., 300 S Mich., Chicago, Ill.

Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, O.
See adv index at end of book

Perkins Mfg. Co. (Steel) University & Fairview avs, St. Paul, Minn.
See adv index at end of book

Perry-Christenson-Campbell, Inc., 229 10th, San Diego, Cal.

Portland Sheet Metal Works, 429 E Madison, Portland, Ore.

Solar-Sturges Mfg. Co., 838 W. Congress, Chicago, Ill.

United States Metal Products, 330H 10th, San Francisco, Cal.

Variety Fire Door Co. Inc., 2958H Carroll av, Chicago, Ill.

Voightmann & Co., 445 W. Erie, Chicago, Ill.

Wisconsin Iron & Wire Wks., Milwaukee, Wis.

3929a—Doors (Fire Proof, Kalameined)

California Fire Proof Door Co., 1931 S. Los Angeles, Los Angeles, Cal.

Chesley A. C. Co. ("Chesley"), 704 E 133d, New York

Los Angeles Fireproof Door Co., 805 E. 31st, Los Angeles, Cal.

MOESCHL-EDWARDS CORRUGATING CO. ("Mecco"), Box 564, Cincinnati, O.
See adv index at end of book

Pruden C. D. Co., Bayard & Warner, Baltimore, Md.

THORP FIRE PROOF DOOR CO., 1600-1616 Central av, Minneapolis, Minn.

World Fireproof Door Corp., 448 Tiffany, New York

3930—Metal Clad Panelled Fire Doors (Swinging Type)

Alignum Fireproof Products Co., Inc., So. River, N. J.

Art Metal Construction Co. (Hollow Metal), Jamestown, N. Y.

Art Metal Fire Proof Door & Trim Co., 2732 Wentworth av, Chicago, Ill.

Bayer J. C., 204 Market, Portland, Ore.

California Fire Proof Door Co., 1931 S Los Angeles, Los Angeles, Cal.

Central Metal Products Corp. ("Durart"), Canton, O.

Chesley Co., A. C., E. 133d, New York

Cincinnati Mfg. Co. (Hollow Metal, "Underwriters' Label" & Metal Covered).

Coburn Trolley Track Mfg. Co. (The), Holyoke, Mass.

DOWMAN-DOZIER MFG. CO. (Hollow Sheet Metal Panel), Atlanta, Ga.

Edwards Mfg. Co., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book

Evans & Gest, Cincinnati O.

Fire Protection Products Co., 3117H 20th, San Francisco, Cal.

Grand Sheet Metal Work, 64 E. 3rd N., Portland, Ore.

Harris S. H. Co. ("Meeker" Metal Covered), 2424 W. 22nd, Chicago, Ill.

Heath J. S. Co., Franklin & Ontario, Chicago, Ill.

Howell, Field & Goddard, Review av, Long Island City, N. Y.

KINNEAR MFG. CO. ("Ajax," "Abacus" Approved Fire Doors), 716-66 Field av, Columbus, O.
See adv index at end of book

Lasar Mfg. Co., 16th & O'Fallon, St. Louis, Mo.

LEE THOMAS & SON CO., 128-132 W. 2nd, Cincinnati, Ohio
See adv index at end of book

Los Angeles Fireproof Door Co., 805 E. 31st, Los Angeles, Cal.

Lupton's David Sons Co., Allegheny av & Tulip, Phila., Pa.
See adv at Shelving Steel

McFarland J. C. Co., 520 W 36th, Chicago, Ill.

Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, O.
See adv index at end of book

Norman-Seton, Inc., Winfield, L. I., N. Y.

Ogden J. Edward Co., 147 Cedar, New York

Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.

Penn. Metal Co. ("Penco"), 65 Franklin, Boston, Mass.

Perry-Christenson-Campbell, Inc., 229 10th, San Diego, Cal.

THE MOESCHL-EDWARDS CORRUGATING CO., INC.

BOX 564, CINCINNATI, OHIO. DEPT. H.

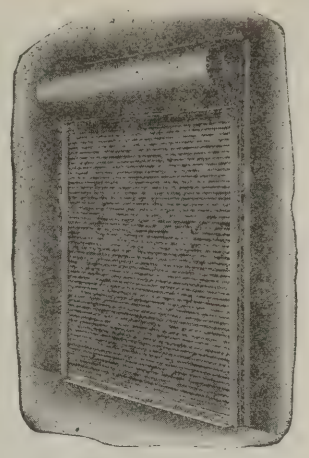
DOORS UNDERWRITERS LABELED OR COMMERCIAL SHEET METAL ARTICLES

ROLLING STEEL
TIN CLAD
KALAMEIN

SHEET METAL BUILDING MECCO CINCINNATI O. MATERIAL
TRADE MARK

ROOFING
SIDING
SPANISH TILE
GARAGES
SKYLIGHTS
VENTILATORS
MARQUISE

WINDOWS
LABELED HOLLOW METAL
ALL TYPES


"Mecco" Rolling Steel Door

Pruden C. D. Co. (Also Hollow Sheet Metal), Bayard & Warner, Baltimore, Md.
Reliance Fireproof Door Co., 79-103 Dobbin, Brooklyn, N. Y.
RICHARDS-WILCOX MFG. CO., Aurora, Ill. *See adv index at end of book*
Saino F. L. Mfg. Co., 70 W Colorado av, Memphis, Tenn.
THORP FIRE PROOF DOOR CO., 1600-1616 Central av, Minneapolis, Minn.
Underwriters' Hatch Door Co. (Metal Covered), 1741 Walnut, Chicago, Ill.
Variety Fire Door Co. Inc. ("Variety"), 2958H Carroll av, Chicago, Ill.
World Fireproof Door Corp., 448 Tiffany, New York
Yager Sheet Metal Co., 3501 Chestnut, Oakland, Cal.

3931—Sheet Metal Fire Doors (Sliding and Swinging Type)

American Sheet Metal Works, 3500 S. Carrolton, New Orleans, La.
Bayer J. C., Front & Market, Portland, Ore.
Carpenter R. F. Mfg. Co. (Steel Toilet Doors), 978 E. 64th, Cleveland, O.
Central Metal Products Co. ("C. M. P."), Canton, Ohio
Coburn Trolley Track Mfg. Co., P. O. Box 127, Holyoke, Mass.
Consolidated Sheet Metal Works, 661 Hubbard, Milwaukee, Wis.
Dexter Metal Mfg. Co. (Cellar Iron), 92 Arch, Camden, N. J.
DOWMAN-DOZIER MFG. CO., Atlanta, Ga.
Fryer D. E. & Co., Lbr. Exch. bldg, Seattle, Wash.
Kinnear Mfg. Co., 716-766 Field av, Columbus, O. *See adv index at end of book*
Lenderking P. H., Dept. H, Linwood & Dillon, Baltimore, Md.
Leonard Sheet Metal Works, Head Ferry, Hoboken, N. J.
Los Angeles Fireproof Door Co., 805 E. 31st, Los Angeles, Cal.
McFarland J. C. Co., 520 W. 36th, Chicago, Ill.
MERCHANT & EVANS CO., Washington av & 21st, Philadelphia, Pa.
Perkins Mfg. Co., 1821 University av, St. Paul, Minn. *See adv index at end of book*
St. Louis Fire Door Co., 1512 Clark, St. Louis, Mo.
Variety Fire Door Co. Inc. ("Variety"), 2958H Carroll av, Chicago, Ill.
Wilson J. G. Corp. (Swing for Freight Sheds & Warehouses), 11 E 36th, New York
World Fireproof Door Corp., 448 Tiffany, New York
Yager Sheet Metal Co., 3501 Chestnut, Oakland, Cal.

3932—Steel Fire Doors (Counterbalanced Type)

Bayer J. C., Front & Market, Portland, Ore.
Darling Metal & Pipe Works, 18th & Willow, Oakland, Cal.
Harris-Preble Door Co., 2424 W. 22nd, Chicago, Ill.
Hill Co., O. H., 2253 St. Paul, Chicago, Ill.
Peelle Co. (The), Stewart av & Harrison pl., Brooklyn, N. Y.
Perkins Mfg. Co., 1821 University av, St. Paul, Minn. *See adv index at end of book*
Richards-Wilcox Mfg. Co., Aurora, Ill. *See adv index at end of book*
Richmond Safety Gate Co. (The), Richmond, Ind.
St. Louis Fire Door Co. ("Co-Bal-Dor"), 1134 S. Sixth, St. Louis, Mo.
United States Metal Products Co., 330H 10th, San Francisco, Cal.
Variety Fire Door Co. Inc. ("Variety"), 2958H Carroll av, Chicago, Ill.
Wagner J. F. Sons Co., 1145 S 7th, Louisville, Ky.

3932a—Steel Fire Doors (Rolling Type)

Bogert & Carlough Co. ("Boca," Iron & Glass), Railroad av & Straight, Paterson, N. J.
CORNELL IRON WORKS ("Llenroc"), 25th & 11th av, New York

CORNELL
ROLLING DOORS
Interlocking Slat Curtains
Deep Corrugated Curtains
Rolling Doors and Shutters
for all purposes
Hand operated
Motor operated
Underwriters' Laboratories
Fire Doors
CORNELL IRON WORKS
25th St. and 11th Ave., New York
Established 1846

Detroit Steel Products Co., 2250 E Grand blvd, Detroit, Mich.
Grand Sheet Metal Work, 64 E 3rd N, Portland, Ore.
Holzer R. G. (Est. of), 317 Burgundy, New Orleans, La.
KINNEAR MFG. CO., 716-66 Field, Columbus, O. *See adv index at end of book*
LARKIN & CO., J. K., 253 Broadway, New York *See adv index at end of book*
Lenderking P. H., Dept. H, Linwood & Dillon, Baltimore, Md.
Lupton's David Sons Co. (Welded), Allegheny av & Tulip, Phila., Pa. *See adv at Shelving Steel*
MOESCHL-EDWARDS CORRUGATING CO., Box 564, Cincinnati, O. *See adv index at end of book*
Penn. Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.
Perkins Mfg. Co., 1821 University av, St. Paul, Minn. *See adv index at end of book*
Perry-Christenson-Campbell, Inc., 229 10th, San Diego, Cal.
Variety Fire Door Co. Inc. ("Variety"), 2958H Carroll av, Chicago, Ill.
Wilson J. G. Corp. ("Salamanda"), 11 E 36th, New York
Wisconsin Iron & Wire Wks., 1660 Booth, Milwaukee, Wis.

3932b—Tin Clad Fire Doors (Counterbalanced Type)

Grand Sheet Metal Work (Underwriters), 64 E. 3rd N., Portland, Ore.
Los Angeles Fireproof Door Co., 805 E. 31st, Los Angeles, Cal.
McFarland J. C. Co., 520 W. 36th, Chicago, Ill.
Peelle Co. (The), Stewart av. & Harrison pl., Brooklyn, N. Y.
Perkins Mfg. Co., 1821 University av, St. Paul, Minn. *See adv index at end of book*
Rosen J. Cornice Works, 1460 Central av, Los Angeles, Cal.
Safety Door & Gate Co., Inc. (The), 713 Herkimer, Brooklyn, N. Y.
St. Louis Fire Door Co. ("Ti-Co-Dor"), 1134 S. Sixth), St. Louis, Mo.
Variety Fire Door Co. Inc. ("Variety"), 2958H Carroll av, Chicago, Ill.
Wilson J. G. Corp., 11 E 36th, New York
World Fireproof Door Corp., 448 Tiffany, New York

3932c—Tin Clad Fire Doors (Sliding and Swinging Type)

American Sheet Metal Works, 3427 S. Carrollton, New Orleans, La.
Bauer's Chas. Sons, 159 William, Buffalo New York
Bierach & Niedermeyer Co., 220 5th, Milwaukee, Wis.
Burton W. J. Co., 5650H Federal, Detroit, Mich.
California Fire Proof Door Co., 1933 S Los Angeles, Los Angeles, Cal.
Central Metal Products Corp., Canton, O.
Christmann Phillip & Sons Co., 858 Virginia, Buffalo, N. Y.
Clason Architectural Metal Works, 428 Kinsley av, Providence, R. I.
Cleveland Metal Roofing & Ceiling Co., 3105 Detroit av, Cleveland, O.
Coburn Trolley Track Mfg. Co. ("Coburn"), Holyoke, Mass.
Consolidated Sheet Metal Works Co., 661 Hubbard, Milwaukee, Wis.
DOWMAN-DOZIER MFG. CO., Atlanta, Ga.
Dusing & Hunt, 386 Michigan av, Buffalo, N. Y.
Eberle Cornice Co., 4014 Laclede av, St. Louis, Mo.
Edwards Mfg. Co., 545-565 Eggleston av, Cincinnati, O. *See adv index at end of book*
Fire Protection Products Co., 3117H 20th, San Francisco, Cal.
Forderer Cornice Works, 269 Potrero av, San Francisco, Cal.
Fryer D. E. & Co., Lbr. Exch. bldg, Seattle, Wash.
Gerock Bros. Mfg. Co., 1252 S Vandeventer av, St. Louis, Mo.
Gordon-Lawless Co., Omaha, Neb.
Guarantee Iron & Wire Co., 2847 W. Lake, Chicago, Ill.
Harris S. H. Co., 2424 W 22nd, Chicago, Ill.
Hawbolt Chas. H., 57 Union, Portland, Me.
Holzer R. G. (Estate of) (Jobbers), 317 Burgundy, New Orleans, La.
Hopmann Cornice Co., 2573 Benton, St. Louis, Mo.
Illinois Art Metal Co., Springfield, Ill.
Jeske & Bros. Co., 119 Reservoir av, Milwaukee, Wis.

(Continued on following page)



KINNEAR STEEL ROLLING DOORS are easy to operate, being properly counterbalanced by oil tempered helical springs contained in the steel tube about which the curtain rolls, and friction has been reduced to a minimum by bearings that are mechanically correct.

KINNEAR CURTAINS are constructed of interlocking slats rolled from copper bearing steel, properly formed to give great strength and are galvanized by our own special hot process. Edges of curtains re-inforced by malleable castings, keep the slats in perfect alignment, and prevent wear. The grooves are made from steel angles.

KINNEAR STEEL ROLLING DOORS are all fire resisting and a barrier against burglary.

Two distinct types may be had: Service doors and labeled Underwriters' doors, the latter being constructed from specifications that have been approved by the National Board of Fire Underwriters'.

KINNEAR STEEL ROLLING DOORS are operated either manually (push up), endless chain, crank or electrically.

Our Mechanical Engineers will gladly assist in solving your door problems.

THE KINNEAR MANUFACTURING COMPANY, 716-766 Field Avenue, Columbus, Ohio

Tin Clad Fire Doors (Sliding and Swinging Type)—Continued

Kasch Roofing Co., Akron, O.
Keystone Fire Door Co., 1231 Irwin av, Pittsburgh, Pa.
KINNEAR MFG. CO., 716-66 Field av, Columbus, O. *See adv index at end of book*
Klauer Mfg. Co., Dubuque, Ia.
LEE THOMAS & SON CO., 128-132 W. 2nd, Cincinnati, Ohio
See adv index at end of book
Leonard Sheet Metal Wks., Hoboken, N. J.
Los Angeles Fireproof Door Co., 805 E. 31st, Los Angeles, Cal.
Lupton's David Sons Co., Allegheny av & Tulip, Philadelphia, Pa.
See adv at Shelving Steel
McFarland J. C. Co., 520 W. 36th, Chicago, Ill.
Machwirth Bros. Co., 201-9 Oak, Buffalo, N. Y.
Mannen John E. Co., 2247 St. Clair av, Cleveland, O.
Martin Metal Mfg. Co., Wichita, Kans.
Merchant & Evans Co. ("Evans Almetl"), Washington av & 21st, Phila., Pa.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Missouri Fire Door & Cornice Co., 2nd & Chouteau av, St. Louis, Mo.
MOESCHL - EDWARDS CORRUGATING CO., Box 564, Cincinnati, O.
See adv index at end of book
Northwestern Roofing Cornice & Stamping Works, 1111 S 5th, Minneapolis, Minn.
Peelle Co. (The), Steward av & Harrison pl., Brooklyn, N. Y.
Penn Metal Co., 65 Franklin, Boston, Mass.
Perkins Mfg. Co., 1821 University av, St. Paul, Minn. *See adv index at end of book*
Peters G. H. Co., 293 Oak, Buffalo, N. Y.
Portland Sheet Metal Works, 429 E Madison, Portland, Ore.
Powers & Boyd Cornice & Roofing Co., 3614 Laclede st., St. Louis, Mo.
Pruden C. D. Co., Bayard & Warner, Baltimore, Md.
Puget Sound Sheet Metal Works, 3631 E Marginal way, Seattle, Wash.
Richmond Safety Gate Co., Richmond, Ind.
Riester & Thesmacher Co., 1512 W. 25th, Cleveland, O.
Rudolph & Son Co., 416 Prospect av, N. W., Cleveland, O.
St. Louis-Fire Door Co. ("Tinclad-Dor"), 1134 S. Sixth, St. Louis, Mo.
Schoedinger F. O., 346 Mt. Vernon av, Columbus, O.
Seattle Cornice Wks., 1730 1st av S, Seattle Wash.
Siano F. L. Mfg. Co., 70 W Colorado av, Memphis, Tenn.
Shields J. H., Indian Hill av, Cincinnati, O.
Souther E. E. Iron Co., Klenlin & Hamburger, St. Louis, Mo.
Standard Sheet Metal Mfg. Co., Washington, Pa.
Stowell Co., The South, Milwaukee, Wis.
Stremel Bros. Roofing & Cornice Co., 1314 N. 3rd, Minneapolis, Minn.
Thorn J. S. Co., 20th & Allegheny av, Phila., Pa.
Underwriters' Hatch Door Co., 1741 Walnut, Chicago, Ill.
United States Metal Products Co., 330 10th, San Francisco, Cal.
Variety Fire Door Co. Inc. ("Variety"), 2958H Carroll av, Chicago, Ill.
Vonder Au & Cluss Mfg. Co., 2408 Jefferson, St. Louis, Mo.
Wand & Niehaus, 1315 Cora, St. Louis, Mo.
Waterloo Mfg. Co., Waterloo, Ia.
Westergren M. F., 213 E. 144th, New York
Western Steel Products Co., New Duluth, Minn.
Wilson J. C. Corp., 11 E 36th, New York
World Fireproof Door Corp., 448 Tiffany, New York
Yager Sheet Metal Co., 3501 Chestnut, Oakland, Cal.

End of Doors (Fire)

3933— Doors (Folding)

American Sash & Door Co., 16th & Bellefontaine, Kansas City, Mo.
California Door Co., 45 Main, San Francisco, Cal.
Central Metal Products Co. ("C. M. P."), Canton, Ohio
Dow Co., 201H Buchanan, Louisville, Ky.
Duncan Co., The, 508 Water, Toledo, Ohio
Hanke Iron & Wire Works, 800 No. Albany av, Chicago, Ill.
Harris S. H. Co. (Horizontal), 2424 W 42nd, Chicago, Ill.
KINNEAR MFG. CO. (Wood & Steel), 716-766 Field, av, Columbus, O.
See adv index at end of book
Lasar Mfg. Co., 1313 N 16th, St. Louis, Mo.
Morgan Co. (Garage), Oshkosh, Wis.
Ogden J. Edward Co. ("Ogden Industrial"), 147 Cedar, New York
Peelle Co. ("Peele" Canopy), Stewart av & Harrison pl, B'klyn, N. Y.
Perkins Mfg. Co., 1321 University av, St. Paul, Minn. *See adv index at end of book*
Richmond Safety Gate Co., Richmond, Ind.
St. Louis Fire Door Co. ("Fold-Up-Dor," for Garages, Warehouses, etc.), 1134 S Sixth, St. Louis, Mo.
St. Louis Wire & Iron Co., St. Louis, Mo.
UNION BLIND & LADDER CO., Inc. ("Acme Easyfold" for schools, churches and lodge halls), 3535 Peralta, Oakland, Cal.
See adv index at end of book
Variety Fire Door Co. Inc. ("Cross' Horizontal for Freighthouses, etc.), 2958H Carroll av, Chicago, Ill.
Wilson J. G. Corp., 11 E 36th, New York

3933a— Doors (Freight Car, Ventilated)

WINE RAILWAY APPLIANCE CO. (The), Toledo, Ohio

3933b— Doors (Freight & Round House)

See also Doors, Folding; also Shutters, Steel Folding
KINNEAR MFG. CO. (Doors, Folding, Also Shutters, Steel Rolling), 716-66 Field av, Columbus, O.
See adv index at end of book
Perkins Mfg. Co., 1321 University av, St. Paul, Minn. *See adv index at end of book*
UNION BLIND & LADDER CO. INC. ("Acme" Wood Rolling, Hand—Pull-up—chain or crank operated), 3535 Peralta, Oakland, Cal.
See adv index at end of book
Wilson J. G. Corp., 11 E 36th, New York

3933c— Doors (Garage)

Cornell Iron Works ("Cornell"), 25th & 11th av, New York
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
Perkins Mfg. Co., 1321 University av, St. Paul, Minn. *See adv index at end of book*
St. Louis Fire Door Co., 1134 S 6th, St. Louis, Mo.
UNION BLIND & LADDER CO., INC. ("Acme" Wood Rolling, Hand—Pull-up—Chain or Crank Operated), 3535 Peralta, Oakland, Calif.
See adv index at end of book

3934— Doors (Grain)

Chicago Car Door Co., McCormick bldg, Chicago, Ill.
De Remer-Blatchford Co., Railway Exchange bldg, Chicago, Ill.
Himmelberger-Harrison Lumber Co., Dept. H, Cape Girardeau, Me.

3935—Doors (Hard Wood & Veneered)

Alcott W. K. Co., 52nd & Lancaster, Phila, Pa.
American Sash & Door Co. (Wholesale Mfrs.), 16th & Bellefontaine, Kansas City, Mo.
Armstrong, Landon Co., Kokomo, Ind.
Batavia & New York Wood Working Co., Batavia, N. Y.
Bossert Louis & Son, 1335 Grand, Brooklyn, N. Y.
Brockway-Smith Corporation, 98 Canal, Boston, Mass.
Bush Bros., Royersford, Pa.
Caldwell-Iseminger Co., Middletown, O.
California Door Co., 45 Main, San Francisco, Cal.
Carnahan Mfg. Co. ("Evans"), Loogootee, Ind.
Carr, Ryder & Adams Co. (Wholesale Mfrs.), Dubuque, Ia.
Carr & Baal Co. (Pine), Des Moines, Ia.
Carter-Travis Co., Seymour, Ind.
Chicago Millwork Supply Co. (Glazed for the Trade Only), 1404 W. 37th, Chicago, Ill.
Compound & Pyrono Door Co. ("Pyrono" Fire Proof), St. Joseph, Mich.
Conway Veneered Door & Mantel Co., 2019 St. Paul, Milwaukee, Wis.
Cream City Sash & Door Co. (For the Traffic Only), 601 Park, Milwaukee, Wis.
Crooks W. D. & Sons ("Pioneer"), Williamsport, Pa.
Cullen & Vaughn Co., 450 Dayton, Hamilton, O.
Curtis Bros. & Co. (Wholesale Mfrs.), Clinton, Ia.
Curtis, Towle & Paine Co. (For the Trade Only, Mfrs.), Lincoln, Neb.
Curtis & Yale Co. (Wholesale Mfrs.), Wausau, Wis.
Enterprise Planing Mill Co., Hillsboro, O.
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Frey Planing Mill Co., Louisville, Ky.
Gauger John A. & Co. (For the Trade Only), 1434 W 22d, Chicago, Ill.
Gordon, Vantine Co., Davenport, Ia.
Goshen Sash & Door Co., Goshen, Ind.
Gould Mfg. Co. (For the Trade Only), Oshkosh, Wis.
Grand Rapids Lumber Co., Grand Rapids, Mich.
Gravois Planing Mill Co. (Trade Only), 3626 Juniata, St. Louis, Mo.
Hardwood Products Co., Neenah, Wis.
Huttig Mill Wk. Co. (Wholesale Mfrs.), Kansas City, Mo.
Hyde-Murphy Co., Ridgway, Pa.
Ironton Wood Mantel Co. (Wholesale Mfrs.), Ironton, O.
Iroquois Door Co. (Wholesale Mfrs.), 629 Exchange, Buffalo, N. Y.
Jamestown Mantel Co., Falconer, N. Y.
Kertscher & Co., Elmira, N. Y., & 13 Lawrence, New York
Lafayette Lumber Co., Lafayette, Ind.
Lamont Matthew Sons Co. (Wholesale Mfrs.), Bay Cty, Mich.
Lord Lumber Co. (For Dealers & Contractors), La Grange, Ill.
Lutcher & Moore Cypress Lumber Co., (Ltd.) (Wholesale Mfrs.), Lutcher, La.
McClelland T. W. Co. (Wholesale Mfrs.), Davenport, Ia.
McMillen R. Co. (For the Trade Only), Oshkosh, Wis.
McPhee & McGinnity Co., 1624 Arapahoe, Denver, Colo.
Mechanics Planing Mill Co., 3742 N B'way, St. Louis, Mo.
Montgomery Bros. & Co., 254 Court, Buffalo, N. Y.
Morgan Co. (Veneered Hardwood For the Trade Only), Oshkosh, Wis.
National Mill & Lumber Co., 320 Market, San Francisco, Cal.
Nicolai Door Co. of Cal. (Oregon Pine & Three Ply Panels), 19th & Harrison, San Francisco, Cal.
Pacific Door & Sash Co., 3216 S. Main, Los Angeles, Cal.
Pacific Mfg. Co., Santa Clara, Cal.
Paine Lumber Co. (Ltd.) (For the Trade Only), Oshkosh, Wis.
Phoenix Sliding Blind Co., Phoenix, N. Y.
Pyrone Process Co. (Fire Proof), 20 E Gay, Columbus, O.
Rodwood Manufacturers Co. (Redwood Oregon Pine), Hobart bldg, San Francisco, Cal.
Rikerd Lumber Co. (Wholesale Mfrs.), Lansing, Mich.
Ripley Lumber Co., Poultney, Vt.
Rock Island Sash & Door Works (Wholesale Mfrs.), Rock Island, Ill.
Rockwell Mfg. Co. (For the Trade Only), 572 Park, Milwaukee, Wis.
Roddis Lumber & Veneer Co. ("Sterling," Flush Veneered), Marshfield, Wis.
Rogers Sash & Door Co., New Britain, Conn.
St. Louis Sash & Door Works (Wholesale Mfrs.), B'way & Destrehan, St. Louis, Mo.
Sanders Bros. Mfg. Co., Ottawa, Ill.
Seneca Lumber & Millwork Co., Dept. H, Fostoria, O.
STEARNS A. T. LUMBER CO., 100 Taylor st, Boston, Mass.
See adv index at end of book
Struck Construction Co., Varden, Louisville, Ky.
Trebing Mfg. Co., 1000 Center, N. W., Cleveland O.
Uphus A. J. & Co. (Artkraft"), 2315 Western av, Seattle, Wash.
Vanleer Bros., Brookville, Pa.
Wheeler-Osgood Co. ("Laminex" & "Woco"), Tide Flats, Tacoma, Wash.
Whitmer-Jackson Sash & Door Co., 1996 W 3rd, Cleveland, O.
Wichita Sash & Door Co. (White Pine), Wichita, Kas.
Williamsport Planing Mill Co., Williamsport, Pa.
Wilson J. G. Corp., 11 E 36th, New York
Woodbury Mill & Lumber Co., Woodbury, N. J.

3936-7—Doors (Hatch, Automatic)

Beckwith Elevator Co., 123 Pearl, Boston Mass.
Cohoes Iron Foundry & Machine Co. Cohoes, N. Y.
Curran Jas. H. Elevator Co., 114 W 2d, Cincinnati, O.
Houser Elevator Co., Syracuse, N. Y.
Johnson Geo. W. Mfg. Co., 209 W 17th, Kansas City, Mo.
Packer Thos., Union City, Conn.
Perkins Mfg. Co., 1821 University av, St. Paul, Minn. *See adv index at end of book*
Reedy H. J. Elevator Co. (Fusible Link in Case of Fire), 15 W 2d, Cincinnati, O.
Richmond Safety Gate Co., Richmond, Ind.
Salem Elevator Works, Salem, Mass.
Sedgwick Machine Works, 150 W 15th, New York
Shields J. H., 231-33 Sycamore, Cincinnati, O.
Speidel Elevator Corp., Reading, Pa.
Underwriters Hatch Door Co. (Electric), 1741 Walnut, Chicago, Ill.
Victor Mfg. Co. ("Victor," Fusible Link), Newburyport, Mass.
Wagner J. F. Sons Co., 1145 S 7th, Louisville, Ky.
Warner Elevator Mfg. Co., Spring Grove av, Cincinnati, Ohio
Warsaw Elevator Co., Warsaw, N. Y.
See adv index at end of book
Welchans A. C., Lancaster, Pa.

3938— Doors (Hopper)

Bartlett & Snow Co., C. O. (Gates), 6350 Harvard av, Cleveland, O.
See adv index at end of book
Hegeman Castle Corp. ("Dunham"), Fisher bldg, Chicago, Ill.
Holden & White ("Dunham"), 343H S Dearborn, Chicago, Ill.
Hunt C. W. Co. (Gates), West New Brighton, N. Y.
See adv index at end of book
Industrial Supply & Equipment Co. ("Johnson"), 4th & Vine, Phila., Pa.
Jeffrey Mfg. Co. (Gates), 961 N 4th, Columbus, O.
See adv index at end of book
Link-Belt Company (Gates), 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Mead-Morrison Mfg. Co., Prescott & Orleans, East Boston, Mass.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Trenton Malleable Iron Co., Trenton, N. J.
Western Steel Car & Foundry Co., Farmers Bk bldg, Pittsburgh, Pa.

3939—Doors (Iron & Glass)

Bethlehem Fence Works (Iron), Bethlehem, Pa.
Bogert & Carlough Co. ("Boca"), Railroad av & Peach, Paterson, N. J.
Cornell Iron Works, 25th & 11th av, New York
Detroit Steel Products Co., 2250 E. Grand blvd, Detroit, Mich.
Grand Sheet Metal Works, 60 E. 3rd, Portland, Ore.
Halsted Joseph Co., 1233 W Randolph, Chicago, Ill.
Hanke Iron & Wire Works (Iron), 800 N Albany av, Chicago, Ill.
Holzer R. G. (Est. of), 317 Burgundy, New Orleans, La.
Kinnear Mfg. Co., 716-66 Field, Columbus, Ohio *See adv index at end of book*
Lenderking, P. H., Linwood av & Dillon, Baltimore, Md.
Lupton's David Sons Co. (Welded), Allegheny & Tulip avs, Phila., Pa.
See adv at Shelving Steel
Marshall Blow Pipe Co. (Iron), 7431 Dubois, Detroit, Mich.
Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, Ohio
See adv index at end of book
Perkins Mfg. Co., 1821 University av, St. Paul, Minn. *See adv index at end of book*
Pitt Wm. R., Composite Iron Works (Vestibule & Storm), 548 W 27th, New York
Variety Fire Door Co., Inc. ("Variety"), 2958 Carroll av, Chicago, Ill.
Wilson J. G. Corp. ("Salamanda"), 11 E. 36th, New York
Wisconsin Iron & Wire Works, 1660 Booth, Milwaukee, Wis.

Doors (Kalameined)

See Doors & Windows, Kalameined

3940—Doors (Locomotive Fire)

Franklin Railway Supply Co., Inc. ("Franklin" Power Operated), 17 E 42nd, New York
National Railway Devices Co. ("Shoemaker"), 224 N Desplaines, Chicago, Ill.

3941— Doors (Manhole)

Creswell Samuel J. Iron Works, 23d & Cherry, Phila., Pa.
Heiser Wm. Sons Co., 116 Clinton, Buffalo, N. Y.

Doors (Mausoleum, Bronze)

See Bronze Doors

3942—Doors (Metal Entrance)

See also Doors, Fire-Proof, Metal & Metal Covered
Central Metal Products Co. ("C. M. P."), Canton, Ohio
Cincinnati Mfg. Co., Cincinnati, O.
DAHLSTROM METALLIC DOOR CO., 413 Buffalo, Jamestown, N. Y.
See adv index at end of book
Forderer Cornice Works, 269 Potrero av, San Francisco, Cal.
Gorham Co. Arch'l Bronze, 5th av & 36th, New York; Works: Providence, R. I.
Hanke Iron & Wire Works, 800 No. Albany av, Chicago, Ill.
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
McFarland J. C. Co., 300 S Mich., Chicago, Ill.
Michel & Pfeffer Iron Works, 1417 Harrison, San Francisco, Cal.
SMITH F. P. WIRE & IRON WORKS, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
THORP FIRE PROOF DOOR CO., 1600-1616 Central av, Minneapolis, Minn.
TYLER W. S. CO., Cleveland, O.
See adv index at end of book

3943— Doors (Mine)

American Mine Door Co. ("Canton" Automatic), 2037 Dueber av S W, Canton, O.

3944—Doors (Open Hearth Furnace)

Aetna Foundry & Machine Co. (Hydraulic), Warren, O.
Blaw-Knox Co. ("Knox" Patent Copper), 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Codd E. J. Co., 700 S Carolina, Baltimore, Md.
Youngstown Engng Co., Youngstown, Ohio

3945—Doors (Passenger Car, Hollow Metal)

Central Metal Products Co. ("C. M. P."), Canton, Ohio
Dahlstrom Metallic Door Co., 413 Buffalo, Jamestown, N. Y.
See adv index at end of book

3946—Doors (Red Cedar, Wholesale)

Redwood Mfrs. Co., Oakland, Cal.
Whatcom Falls Mill Co., Bellingham, Wash.

3947—Doors (Refrigerator Car)

National Refrigerators Co., 8th & Park, St. Louis, Mo.
Trenton Malleable Iron Co., Trenton, N. J.

3948— Doors (Revolving)

Atchison Revolving Door Co. ("Curved Wing" & Straight), Independence, Kan.
Dahlstrom Metallic Door Co., 413 Buffalo, Jamestown, N. Y.
See adv index at end of book
Federal Sash & Door Co., 18th & Wabash av, Kansas City, Mo.
International Steel & Iron Co., 1243 Edgar, Evansville, Ind.
Jamison Cold Storage Door Co. ("No-Equal" for Passing Ice Cream to & from Hardening Room), Hagerstown, Md.
Revolving Door & Fixture Co., 556 W 27th, New York
Uhrich Mill Works Co. ("Curved Wing" & Straight), Indepenence, Kas.
Van Kannel Revolving Door Co. (Wood or All Metal), 250 W 54th, New York

3948a—Doors (Rolling, Steel)

Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, Ohio
See adv index at end of book

3949—Doors (Shower Bath)

Biele Chas. F. & Sons Co., 381 W 12th, New York
Central Metal Products Co. ("C. M. P."), Canton, Ohio

3950— Doors (Sidewalk)

See also Vault & Sidewalk Lights
Am. 3-Way Prism Co. ("3-Way Luxfer"), 13th & 55th Court, Cicero, Ill.

(Continued on following page)

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The former Require No Mortising, Just Use a Bit. The three screws allow them to be more Firmly Fastened.

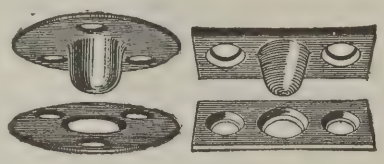
Also STANDARD BRASS DOWEL PINS with either THREADED, SMOOTH or GROOVED SIDES



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Doors (Sidewalk)—Continued

Amos Chas. & Co. Inc., 3000 Hart av, Detroit, Mich.
Barnum E. T. Iron & Wire Wks., 501-23 Cass av, Detroit, Mich.
Bethlehem Steel Co., So. Bethlehem, Pa.
Builders' Iron Works, 1514 E. Scotts av, Stockton, Cal.
Canton Foundry & Machine Co., Canton, Ohio
Columbia Iron & Wire Wks. Co. ("Columbia"), 1006 9th S. W., Canton, O.
Crown Iron Wks. Co., 1229 Tyler, Minneapolis, Minn.
Dow Co., 201H N Buchanan, Louisville, Ky.
Gillis & Geoghegen, 532H W B'way, New York
Hermann Safe Co., 216-24 Fremont, San Francisco, Cal.
Hesse-Ersted Iron Works, E 8th & Taylor, Portland, Ore.
International Steel & Iron Co., 1243 Edgar, Evansville, Ind.
Jackson P. H. & Co. ("No Leak"), 237 1st, San Francisco, Cal.
Marshall Blow Pipe Co. (Iron & Steel), 7431 Dubois, Detroit, Mich.
Michel & Pfeffer Iron Works, 1417 Harrison, San Francisco, Cal.
Perkins Mfg. Co., 1821 University av, St. Paul, Minn. *See adv index at end of book*
Phoenix Sidewalk Light Co., Monadnock bldg, San Francisco, Cal.
Reliable Safe & Lock Co., Inc. (Vault), Covington, Ky.
Republic Structural Iron Wks. Co., 1350 E 53rd, Cleveland, O.
Safe-Cabinet Co., Marietta, Ohio
ST. PAUL FOUNDRY CO., Como av & Mackubin, St. Paul, Minn.
See adv index at end of book
Schrader Iron Works, 1247 Harrison, San Francisco, Cal.
Telescopic Sidewalk Hoist & Door Co., Phelan bldg, San Francisco, Cal.
TYLER W. S. CO., Cleveland, O.
See adv index at end of book
Victor Safe & Lock Division, The Safe-Cabinet Co., Norwood, Cincinnati, O.
Wis. Iron & Wire Wks., 1660 Booth, Milwaukee, Wis.
Withers Foundry & Machine Works, Atlanta, Ga.

3951— Doors (Silo, Metal)

Bragstad Concrete Machy. Co., Inc., Canton, S. Dak.
Central Metal Products Co. ("C. M. P."), Canton, Ohio
Perkins Mfg. Co., 1821 University av, St. Paul, Minn. *See adv index at end of book*

3952— Doors (Smoke House)

Allbright-Nell Co., 5315 Western av, Chicago, Ill.
Amos Chas. & Co., Inc., 3000 Hart av, Detroit, Mich.
Central Metal Products Co. ("C. M. P."), Canton, Ohio
Gehret Bros., Bridgeport, Pa.
Michel & Pfeffer Iron Works, 1417 Harrison, San Francisco, Cal.
Perkins Mfg. Co., 1821 University av, St. Paul, Minn. *See adv index at end of book*

3953—Doors (Theatre, Fireproof)

Bolles Wm. B., P.O. Box 600M, Milwaukee, Wis.
Central Metal Products Co. ("C. M. P."), Canton, Ohio
Dahlstrom Metallic Door Co., 413 Buffalo, Jamestown, N. Y.
See adv index at end of book
Menasha Wood Split Pulley Co. (Paper Mill), Menasha, Wis.
Perkins Mfg. Co., 1821 University av, St. Paul, Minn. *See adv index at end of book*
Thorp Fireproof Door Co., 1600-1616 Central av, Minneapolis, Minn.
World Fireproof Door Corp., 448 Tiffany, New York

3954— Doors (Trap)

Edwards O. M. Co., Inc. ("Edwards" Steel Extension Platform), Syracuse, N. Y.
Perkins Mfg. Co., 1821 University av, St. Paul, Minn. *See adv index at end of book*
World Fireproof Door Corp., 448 Tiffany, New York

Doors (Vault & Sidewalk Light)

See Doors, Sidewalk

3955-6— Doors (White Pine)

American Sash & Door Co. (Wholesale Mfrs), 16th & Bellefontaine, Kansas City, Mo
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Gordon Van Tine Co., Davenport, Ia.
Morgan Co., Oshkosh, Wis.
Rock Island Sash & Door Works (Wholesale Mfrs.), Rock Island, Ill.

Doors (Wood Rolling)

See Shutters, Wood Rolling

3957—Doors (Yellow Cypress)

Cole Mfg. Co., 789 S 4th, Memphis, Tenn.
Columbus Iron Works, Columbus, Ga.
Curtis Bros. & Co., Clinton, Ia.
McClelland T. W. Co. (Wholesale Mfrs.), Davenport, Ia.
Rock Island Sash & Door Works (Wholesale Mfrs.), Rock Island, Ill.

3958-9-60-1—Doors (Yellow Pine)

Allen Mfg. Co. (Ltd.), Shreveport, La.
American Sash & Door Co. (Wholesale Mfrs.), 16th & Bellefontaine, Kansas City, Mo.
Carr, Ryder & Adams Co. (Wholesale Mfrs.), Dubuque, Ia.
Central Metal Products Co. ("C. M. P."), Canton, Ohio
Columbus Iron Works, Columbus, Ga.
Cornell Iron Works, 26th & 11th av, New York
Curtis Bros. & Co., Clinton, Ia.
Dahlstrom Metallic Door Co., 413 Buffalo, Jamestown, N. Y.
DOWMAN-DOZIER MFG. CO., Atlanta, Ga.
Enochs Lumber & Mfg. Co., Jackson, Miss.
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Hanke Iron & Wire Works (Iron), 809 N Albany av, Chicago, Ill.
Morgan Co. (Laminated Panels), Oshkosh, Wis.
Reliance Fireproof Door Co., West & Milton, Brooklyn, N. Y.
Skyes Co., 930 W. 19th pl, Chicago, Ill.
Wagner J. F. Sons Co. (Door Only), 1145 S 7th, Louisville, Ky.
Wilson J. G. Corp. (Steel Rolling), 3 W. 40th, New York

3962—Doors & Windows (Kalameined)

American Sheet Metal Works, 3427H S Carrollton, New Orleans, La.
Bayer J. C., 204 Market, Portland, Ore.
Betz Bros., 34 James av, Jersey City, N. J.
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Brooklyn Fire-Proof Sash & Door Co., 101 Richardson, Brooklyn, N. Y.
California Fire Proof Door Co., 1931 S Los Angeles, Los Angeles, Cal.
Capital Art Metal Co., Inc., 1133 Howard, San Francisco, Cal.
Central Metal Products Corp., Canton, O.
Chesley A. C. Co., 375 Rider av, New York
Cincinnati Mfg. Co. (also Partitions, Metal Covered), Cincinnati, O.
Dowman-Dozier Mfg. Co., Atlanta, Ga.
Fire Protection Products Co., 3117H 20th, San Francisco, Cal.
Forderer Cornice Works, 269 Potrero av, San Francisco, Cal.
Grand Sheet Metal Works, 64 E 3rd N, Portland, Ore.
Hermann & Grace Co., 671 Bergen, Brooklyn, N. Y.
Holzer R. G. (Est. of), New Orleans, La.
Howell, Field & Goddard, Review av, Long Island City, N. Y.
Hyde-Murphy Co., Ridgway, Pa.
Lee Thomas (Doors Only), 129 W 2nd, Cincinnati, O.
Leonard Sheet Metal Works, Hoboken, N. J.
McDonald & Wynkoop, E. 9th & Hawthorne av, Portland, Ore.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
MOESCHL-EDWARDS CORRUGATING CO., Box 564, Cincinnati, O.
See adv index at end of book
National Fire Proof Sash & Door Co., 137 Bayard, Brooklyn, N. Y.
Orleans Steel Products Co., Inc. (Doors Only), 1021 Bienville, New Orleans, La.
Penn Metal Co. ("Penco" Doors also Partitions), 65A Franklin, Boston, Mass.
Perry-Christenson-Campbell, Inc., 229 10th, San Diego, Cal.
Portland Sheet Metal Works, 429 E Madison, Portland, Ore.
Pruden C. D. Co., Bay & Warner, Baltimore, Md.
Puget Sound Sheet Metal Works, 3631 E Marginal Way, Seattle, Wash.
Reliance Fireproof Door Co., 79-103 Dobbin, Brooklyn, N. Y.
Rowe Henry Mfg. Co., Newaygo, Mich.
Seattle Cornice Works, 1730 1st av S, Seattle, Wash.
THORP FIRE PROOF DOOR CO. ("Thorp-Richardson" Kalameined Doors), 1600-1610 Central av, Minneapolis, Minn.
United States Metal Products Co., 330H 10th, San Francisco, Cal.
Variety Fire Door Co. Inc. (Doors Only), 2958H Carroll av, Chicago, Ill.
Wagner J. F. Sons Co., 1145 S 7th, Louisville, Ky.
Westergen M. F., 213 E. 144th, New York
World Fireproof Door Corp., 448 Tiffany, New York

3962a—*Doublers (Automatic for Sheet Steel)

AETNA FOUNDRY & MACHINE CO., (The), Warren, O.

Dough Dividers

See Dough Dividing Machine

3963— Dovetails (Stove)

Burdick & Son, Albany, N. Y.
Lovejoy C. H. Chaplet Co., Cambridge N. Y.

3964— *Dowel Rods

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

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STEVENSON MFG. CO. Write for Samples and Prices SOUTH BEND, IND.

3965-6-7— Dowels

American Novelty Works, Wellsville, N. Y.
American Sash & Door Co., Kansas City, Mo.
ANCHOR SAW MILLS CO., 434 Washington, New York
Borgeson C. E. (Wood), 1775 Wilson av, Chicago, Ill.
Bowen Corp., Detroit, Mich.
Brinser E. C. Sons (Wood), Richmond, Va.
Brodin Pattern & Supply Works, 2420 W 16th, Chicago, Ill.
Cassaday Fairbank Mfg. Co. (In White Finish), 6126 S La Salle, Chicago, Ill.
Chain Products Co. (Brass), 3924 Cooper av, Cleveland, O.
Connecticut Box Co., 373 Lexington av, New Haven, Conn.
Cook & Coburn, West Fairlee, Vt.
Cummings C. B. & Son, Dept. H, Norway, Me.
Dayton Handle & Golf Co., Dayton, Ohio
Eugene Handle Co. ("Willakenzie"), Eugene, Ore.
Everett A. & Son (Brass & Wood), Auburn. N. Y.
Frary Mfg. Co. (Wooden), Charlemont, Mass.
Gravely B. F. & R. P. (Wood), Martinsville, Va.
Grayling Dowel Co., Grayling, Mich.
Grover R. A. (Wood), Andover, Me.
Harriman S. H., Fryeburg, Me.
Hieb Box Mfg. Co., Merrill, Wis.
Higgins Alvah E., Jamaica, Vt.
Himmelberger-Harrison Lumber Co., Dept. H, Cape Girardeau, Mo.
Kiamensi Clay Co., Equitable bldg, Wilmington, Del.
Lebzelter P. & Son, Lancaster, Pa.
Lobdell Emery Mfg. Co., Onaway, Mich.
Minton T. W. & Son (Hickory), Barbourville, Ky.
MORSE FRANK W. (Smooth, Grooved & Threaded, Brass Pin, Round & Oblong Plate), 289 Congress, Boston, Mass.
See adv index at end of book
Nashua Spool & Bobbin Co. (All Kinds & Sizes), Haverhill National Bank bldg, Haverhill, Mass.
Novelty Turning Co. (Wood), Norway, Me.
Piqua Handle & Mfg. Co. (Wood), P. O. Box 307, Piqua, O.
Shaw & Tenney (Wood), Orono, Me.
Sheldon H. Mfg. Co. (Fan & Fly Swatter), Elkland, Pa.
Smith H. B. & Co., Hanover, Me.
South Bend Dowel Co., South Bend, Ind.
See adv index at end of book
Standard Turning Works (Wood), Cambridge, Mass.
STEVENSON MFG CO. (Wood), South Bend, Ind. *See adv index at end of book*
STILES H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book
Structural Slate Co. (The) (Slate Only), 101 Marietta, Pen Argyl, Pa. (With Natural Slate Blackboard Co., Pen Argyl, Pa.).
See adv index at end of book
Thurston R. W. & W. H., Bethel, Me.
Townsend Company, New Brighton, Pa.
Wellman Products Co. (Wood & Metal), 1444 E 49th, Cleveland, O.
Whitaker Bros. Co., Meridian, Miss.

3968—Dowels (Coopers' Hickory)

Bogert & Hopper, Inc. (Plain, Beaded, Rope, Twist & Furniture), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

3969—Dowels (Patternmakers')

Butler A. G. Inc., 158 Chambers, New York
Combined Supply & Equipment Co., Inc., 766-772 Grant av, Buffalo, N. Y.
Diamond Clamp & Flask Co., Richmond, Ind.
Federal Malleable Co. ("Fraser," Malleable Iron), West Allis, Wis.
Hawker W. S. Mfg. Co., 458 Bacon, Dayton, O.
Knight H. W. & Son (Brass), Seneca Falls, N. Y.
Shanafelt Mfg. Co. (Brass & Hardwood), Canton, O.
SOUTH BEND DOWEL CO., South Bend, Ind. *See adv index at end of book*
Standard Turning Works, Cambridge, Mass.
Timmis & Clissold (Brass & Wood), Bound Brook, N. J.
Williams William Jr. (Brass), New Britain, Conn.

3969a—* Dowels (Plain, Beaded, Rope, Twist & Furniture)

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

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MANUFACTURERS OF
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Minton T. W. & Son (Reed & Fibre Furniture), Barbourville, Ky.
SOUTH BEND DOWEL CO. (Plain & Beaded Only), South Bend, Ind.
See adv index at end of book

3970-1— Dowels (Rail)

Jencks E. Mfg. Co., 28 Union, Worcester, Mass.
Parker Wire Goods Co. (Iron Hand Rail, Gimlet Pointed Screws), Worcester, Mass.
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*

3972— Dowels (Steel)

See also Wire Nail Mfrs.
Badger Mfg. Corp., 156 Clinton, Milwaukee, Wis.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Townsend Co., New Brighton, Pa.

3973— Draft Arms

Bastian-Blessing Co., 240 E Ontario, Chicago, Ill.
See adv index at end of book
Bradford Draft Gear Co., Atlanta, Ga.
Universal Draft Gear Attachment Co., H Railway Exchange bldg, Chicago, Ill.

3974— Draft Gear

Cardwell Mfg. Co. ("Cardwell," Friction), 332 S Michigan av, Chicago, Ill.
Commonwealth Steel Co. ("Transom," Cast Steel Draft Rigging), St. Louis, Mo. Works: Granite City, Ill.
Gould Coupler Co. ("Gould" Friction), 30 E 42nd, New York
Miner W. H. ("Miner" Draft Rigging), 209 S La Salle, Chicago, Ill.
Standard Coupler Co. ("Sessions-Standard" Friction), 110 E 42, New York. Works: Bridgeport, Conn.
Standard Forgings Co. ("Stanforge"), 80H East Jackson, Chicago, Ill.
Symington T. H. Co. ("Farlow"), 233 B'way, New York
Union Draft Gear Co. ("Cardwell" Friction), McCormick bldg, Chicago, Ill.
Universal Draft Gear Attachment Co. ("Universal"), H Railway Exchange bldg, Chicago, Ill.
Waugh Draft Gear Co. ("Anderson," "Waugh," "Forsyth"), Peoples Gas bldg, Chicago, Ill.
Western Railway Equipment Co. ("Hoerr") Central Nat Bank, St. Louis, Mo.
Westinghouse Air Brake Co. (Friction), Pittsburgh, Pa.

3975 Draft Inducer

Schutte & Koerting Co. (Venturi Stacks Steam Jet Blowers), 1251 N. 12th, Phila., Pa. *See adv index at end of book*

3976—Drafting Room Equipment

See also Architects' & Engineers' Instruments & Supplies.
Acme Blue Print Paper Co., Adams Express bldg, Chicago, Ill.
American Drafting Furniture Co. ("American" Parallel Rulers), 129 Mills, Rochester, N. Y.
Post Frederick Co., 319 S. Wabash av, Chicago, Ill.
Warren-Knight Co., 136 N. 12th, Phila., Pa.
Weber F. Co., 1220 Buttonwood, Phila., Pa.
Winter, Martin ("Conspicuously Excellent" Drawing, Tracing, Sketching, Detail, Blueprint, Pattern Papers & Cloths), 216 W 18th st, New York

3976a— Drafting Tables

Acme Blue Print Paper Co., Adams Express bldg, Chicago, Ill.
American Drafting Furniture Co. ("American"), 129 Mill, Rochester, N. Y.
Cole H. Co. ("Harrison"), 68 E Gay, Columbus, O.
Defiance Mfg. Co., 384 B'way, New York
Dietzgen Eugene Co., 166 W Monroe, Chicago, Ill.
Dillingham Mfg. Co., Sheboygan, Wis.
Economy Drawing Table & Mfg. Co., Adrian, Mich.
Elliott B. K. Co., 126 6th, Pittsburgh, Pa.
Fritz Mfg. Co. ("Fry's" Adjustable), Grand Rapids, Mich.
Hamilton Mfg. Co., Two Rivers, Wis.
Hein Furniture Co., 126 S. Huron, Toledo, Ohio
Hemp C. E., Hamilton, O.
Keuffel & Esser Co., Hoboken, N. J.
Kidder R. E. Co., 33H Hermon, Worcester, Mass.
Lutz Co. ("Forsyth's" Adjustable), Guttenberg, N. J.
Peaae C. F. Co., 320 N Franklin, Chicago, Ill. *See adv index at end of book*
Post Fred'k Co. (Post's "Brimo" Adjustable Drawing Table), 3635 S Clark Chicago, Ill.
Price W. R., Inc. (For Educational Purposes), 127 Fifth av, New York
Rowe Henry Mfg. Co., Newaygo, Mich.
Shartle Bros. Machine Co., Middletown, O.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Taws Henry M. ("Emerson's"), 920 Arch, Phila., Pa.
Washburn Shops ("Worcester"), Worcester, Mass.
Wausau Fixture & Furniture Co. ("Ulrich" Adjustable Shadowless), Wausau, Wis.
Weber F. Co., 1220 Buttonwood, Phila., Pa.
Welch W. M. Scientific Co., 1516 Orleans, Chicago, Ill.
Weydell F. O. ("Hi-Low"), 12 S Clinton, Chicago, Ill.
Williams, Brown & Earle ("Ajax" Telescope), 918 Chestnut, Philadelphia, Pa.

3977-8—Draftsmen (Mechanical)

Clyne R. G. Engineering Co., 12th & Tyler, St. Louis, Mo.
Durham Bros., 1611 Sansom, Phila., Pa.
Gaylord Chas. E. (Patent Office Drawings a Specialty), Marquette bldg, Chicago, Ill.
Hagstrom A. G., 116 Nassau, New York
King R. D., 51 West Jackson, Chicago, Ill.
Nestor Mfg. Co., 40 W 13th, New York
Thomas Bros., 235 Montgomery, San Francisco, Cal.

3979— Drainage Systems

Waring, Chapman & Farquhar ("Waring"), 374 B'way, New York

3980— Drainboards

(Names with * also manufacture Monel Metal)
Becker Mfg. Co. (Ash, for Sinks), Marietta, Ohio
*Beckley Perforating Co., Garwood, N. J.
Blake Specialty Co. (Aluminum) Rock Island, Ill.
*Cleveland Wire Cloth Co., Cleveland, O.
Clifford Chas. E. Co., Inc. ("Woodstone"), 3808 S. Park, Los Angeles, Cal.
Crane Enamelware Co., 14th & Cent., Chattanooga, Tenn.
Diato Flooring Co., 1709 N Spring, Los Angeles, Cal.
Don-A-Stone Composition Co., 706 N Coronado, Los Angeles, Cal.
Eichman J. C. Mfg. Co., Bush & Wicomico, Baltimore, Md.
Enamel Products Co., Eddy rd & Taft av, Cleveland, O.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
*Hendrick Mfg. Co., Carbondale, Pa.
Howard & Morse, 1197 De Kalbe av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall st, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp., C. O., Southport, Conn.
Locke Sanitary Products Co. ("Locke-White"), 96 1st, Portland, Ore.

(Continued on following page)

Drainboards—Continued

McFate C. J. ("San-O-Littl"), 3533 S Park av, Los Angeles, Cal.
McMullin C. E., 165 Broadway, Fresno, Cal.
*Magosy & Buscher, 232 Canal, New York
*Munning & Co., A. P., Matawan, N. J.
Petrium Sanitary Sink Co. ("German-Stone"), 1435H 5th, Berkeley, Cal.
Plastone Co. ("Plastone"), 461 E. 3rd, Los Angeles, Cal.
Sani-White Products Co. ("Sani-White"), Santa Clara, Cal.
Schlosser H. C., San Jose, Cal.
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co., John P., New Haven, Conn.
*Taylor Disc Co., Mansfield, O.
Trageser John Steam Copper Works (White Metal), 447 W 26th, New York
*Tyler Co., W. S., Cleveland, O.
Washington Iron Works ("Washington" Enamelware), 1141 Mateo, Los Angeles, Cal.

3981— Drainers (Cylinder)

American Safety Lamp & Mine Supply Co. ("Smith" Automatic), 1327 Capouse av, Scranton, Pa.

3982— Drainers (Dish)

Gem Mfg. Co. (Wood), N. Girard, Pa.
Hamblin & Russell Mfg. Co. ("Perfect," "O. K." Wire), Worcester, Mass.
Parker Wire Goods Co. (Wire), Worcester, Mass.
Peerless Wire Goods Co., Dept. H, Lafayette, Ind.
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*
Woods-Sherwood Co. ("Sherwood's" Wire), 27 Union, Worcester, Mass.

3983— Drainers (Sump)

Josam Mfg. Co., Michigan City, Ind.
Penberthy Injector Co., 346 Holden av, Detroit, Mich.

3983a— Drains (Cast Iron)

See also Cellar Drains; also Drains Floor

Canton Foundry & Machine Co. (Street), Canton, Ohio
See adv index at end of book
Clow James B. & Son, Franklin & Harrison, Chicago, Ill.
Donaldson Iron Co. (Bell & Spigot Type), Emaus, Pa.
Glamorgan Pipe & Foundry Co., Lynchburg, Va.
Greenberg M. & Son (& Brass), Folsom & Alice, San Francisco, Cal.
Josam Mfg. Co., Michigan City, Ind.
Lynchburg Fdry., Lynchburg, Va.
Townsend Foundry & Machine Shop Co., Broadway & Rensselaer, Albany, N. Y.
See adv index at end of book
U. S. Cast Iron Pipe & Fdry. Co., Burlington, N. J.
Warren Fdry. & Pipe Co., 11 Broadway, New York

3984— Drains (Floor)

See also Drains, Cast Iron Cellar Drains
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Scale Co., 517 Delaware, Kansas City, Mo.
Blake Specialty Co. ("Blake" Junior No-Back), Rock Island, Ill.
Casey-Hedges Co. ("Chattanoogan"), 25th & Chestnut, Chattanooga, Tenn.
Compound Injector & Specialty Co. ("Dehn's," "Acme," Deep Seal, "Peerless" Garage Floor), 419 N Laramie av, Chicago, Ill.
Crampton Farley Brass Co. ("Signet" & "Sansealo," with Back Water Traps, "Nonall," "K. C. Area Way," Without Back Water Trap), 221 Main, Kansas City, Mo.
Fee & Mason, 81 Beekman, New York
Haines-Jones & Cadbury Co. ("Hajoca" Brass Iron Body & All Iron), 1136 Ridge av, Phila., Pa.
Hess & Marsh ("Simplex," also Roof Drains), 1614 S. Flower, Los Angeles, Cal.
Hunt Wm., 3825 Lafayette, St. Louis, Mo.
Jiffy Fire Hose Rack Co. ("Brayman"), 133 W. 52nd, New York
Josam Mfg. Co. ("Josam"), Michigan City, Ind.
Kokomo Brass Works, Kokomo, Ind.
Mechanicville Specialty Supply Mfg. Co., Mechanicville, N. Y.
Prier Brass Mfg. Co. ("Sieben," "Standard"), 15th & Blue River, Kansas City, Mo.
Sanitas Mfg. Co. ("Donovan"), 105 Washington, Boston, Mass.
Townsend Foundry & Machine Shop Co. Broadway & Rensselaer, Albany, N. Y.
See adv index at end of book
Wade Iron Sanitary Mfg. Co., 551 Fulton, Chicago, Ill.

3985-6-7— Drains (Ice Box or Refrigerator)

Blake Specialty Co., Rock Island, Ill.
Detroit Brass & Malleable Works, 1117 Holden, Detroit, Mich.
Fee & Mason, 81 Beekman, New York
Hess & Marsh ("Simplex"), 1614 S. Flower, Los Angeles, Cal.
Josam Mfg. Co., Michigan City, Ind.
Kokomo Brass Works, Kokomo, Ind.
Modern Iron Works ("Badger"), Quincy, Ill.
Prier Brass Mfg. Co. ("Standard" "Sieben"), 15th & Blue River, Kansas City, Mo.
Riverside Foundry & Galvanizing Co., Kalamazoo, Mich.

3988— Draw-Bar Attachment

Brill J. G. Co. ("Radial"), 62nd & Woodland av, Phila., Pa.
Kimmerli Bros. ("Kimkin"), 226 11th, San Francisco, Cal.
Miner W. H., 209 S La Salle, Chicago, Ill.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Van Dorn Coupler Co. (Electric Railway), 2325 S Paulina, Chicago, Ill.
Wilmington Malleable Iron Works of Eastern Malleable Iron Co., Wilmington, Del.

3989— Drawer Slides

Grant Pulley & Hardware Co. ("Turner" Anti-Friction), 101 Park av, New York

3990—Drawers (Bench, Steel)

ALL STEEL EQUIP. CO., Aurora, Ill.
Aurora Steel Products Co., 3d, Aurora, Ill.
Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Central States Steel Equipment Co. ("Better-Bilt" & "Central States"), Center & Allen, Joliet, Ill.
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Lupton's David Sons Co., Allegheny av & Tulip, Phila., Pa.
See adv at Shelving Steel
Lyon Metallic Mfg. Co. ("Lyon"), Aurora, Ill.
New Britain Machine Co. ("New Britain," Frictionless), 190 Chestnut, New Britain, Conn.
Terrell's Equipment Co., Grand Rapids, Mich.

3991—Drawers (Cash or Money)

Merriam Mfg. Co., Durham, Conn.
Quincy Show Case Works (Alarm or Gong), Quincy, Ill.
Russell & Erwin Mfg. Co. (Alarm Tills), New Britain, Conn.
Standard Cash Register Co., N Manchester, Ind.
Sun Mfg. Co., Columbus, O.
Tucker & Dorsey Mfg. Co. (Alarm Tills), Indianapolis, Ind.

Drawing Instruments

See Architects & Engineers' Instruments & Supplies

3992— Drawing Materials

See also Architects' & Engineers' Instruments & Supplies; also Blue Prints

Acme Blue Print Paper Co., Adams Express bldg, Chicago, Ill.
AMERICAN BLUE PRINT PAPER CO., 445 Plymouth ct, Chicago, Ill.
Crofoot Nielsen & Co., 172 W Washington, Chicago, Ill.
Defiance Mfg. Co., 884-6 B'dway, New York
Dietzgen Eugene Co., 166 W Monroe, Chicago, Ill.
Elliot B. K. Co., 126 6th, Pittsburgh, Pa.
Huey Co. (Wholesale), 14 S Wabash, Chicago, Ill.
JOHNSTON J. W. (Snow White Ink), Neu Artz bldg, Rochester, N. Y.
Ledder & Probst, 21 Pearl, Boston, Mass.
PEASE C. F. CO., 320 N Franklin, Chicago, Ill. *See adv index at end of book*
Post Fredk Co., 3635 N Hamlin av, Chicago, Ill.
Queen City Blue Print Co., 124 Government pl, Cincinnati, O.
Vincent Geo. (Mfr. "Victory" Vellum Tracing Paper), 649 W 43d, New York
WEBER F. CO., 1220 Buttonwood, Phila., Pa.
WINTER, MARTIN ("Conspicuously Excellent" Drawing, Tracing, Sketching Detail Blueprint, Pattern Papers & Cloths), 216 W 18th st, New York

Drawing Tables

See Drafting Tables

Drays (Heavy Truck)

See Wagons, Freight, Teaming, etc

3992a— Dredges (Elevator)

ELLICOTT MACHINE CORP., 1111 Bush, Baltimore, Md.
See adv index at end of book

3993—Dredges (Gold, Dipper & Hydraulic)

Bucyrus Co., So Milwaukee, Wis.
Dravo Contracting Co., 1100 Diamond Bank bldg, Pittsburgh, Pa.
Ellicott Machine Corp'n, 1111 Bush, Baltimore, Md.
See adv index at end of book
Fairbanks Steam Shovel Co. (Dipper & Hydraulic), Marion, O.
Jackson & Church Co. (Dipper, Hydraulic, Ditching, etc), Saginaw, Mich.
Manitowoc Ship Bldg. Co., Manitowoc, Wis.
Marion Steam Shovel Co., P. O. Box 505, Marion, O.
Norborn Engineering Co., 5th & P. R. R., Philadelphia, Pa.
Osgood Co. (Dipper Only), Marion, Ohio
Yuba Mfg. Co., 433 California, San Francisco, Cal.

3994—Dredges (Gold & Placer Mining)

See also Dredging Machinery

Atkinson W. H. Co., Hoboken, N. J.
Bethlehem Shipbuilding Corp., 20th & Michigan, San Francisco, Cal.
Dravo Contracting Co., 1100 Diamond Bank bldg, Pittsburgh, Pa.
Ellicott Machine Corp'n, 1111 Bush, Baltimore, Md.
See adv index at end of book
Hammond Mfg. Co., 54 1st, Portland, Ore.
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
Marion Steam Shovel Co., P. O. Box 505, Marion, O.
New York Engineering Co. ("Empire"), 2 Rector, New York
Stearns-Roger Mfg. Co., 1720 Calif., Denver, Colo.
Straub Mfg. Co., Dept. H, 5th & Chestnut, Oakland, Cal.
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.
Union Construction Co., Balfour bldg San Francisco, Cal.
United Iron Works (Beach Sand Dredges), Oakland, Cal.
YUBA MFG. CO. ("Yuba," also Suction), 433 California, San Francisco, Cal.

3994a—Dredges (Harbor & River)

ELLICOTT MACHINE CORP., 1111 Bush, Baltimore, Md.
See adv index at end of book

3994b— Dredges (Hydraulic)

ELLICOTT MACHINE CORP., 1111 Bush, Baltimore, Md.
See adv index at end of book

3995— Dredges (Steel)

Dravo Contracting Co., 1100 Diamond Bank bldg, Pittsburgh, Pa.
Ellicott Machine Corp., 1111 Bush, Baltimore, Md.
See adv index at end of book
HAYWARD CO. (Steam), 50 Church, New York
See adv index at end of book
Marion Steam Shovel Co., P. O. Box 505, Marion, O.
Michigan Dredge Co., Bay City, Mich.
Midland Barge Co., Midland, Pa.
Osgood Co. (Dipper Only), Marion, O.

Dredging Engines

(See Engines (Dredging)

Dredging Machinery

See Machinery

Dredging Pumps

See Pumps (Dredging), also Pumps (Hydraulic)

3996— Dressers (Bibb Seat)

Buffum Tool Co., South Side, Louisiana, Mo.
Skinner M. B. Co. ("Skinner"), 562 W Washington, Chicago, Ill.
Wolverine Brass Works ("Universal"), Grand Rapids, Mich.

3997—Dressers (Emery Wheel)

American Emery Wheel Works, 325 Waterman, Providence, R. I.
Baldwin, Tuthill & Colton, Grand Rapids, Mich.
Bay State Stamping Co. ("Bennett"), 330 Chandler, Worcester, Mass.
See adv index at end of book
Braunsdorf-Mueller Co., Elizabeth, N. J.
Browne & Dowd Mfg. Co. ("American"), Meriden, Conn.
Buckeye Mfg. & Foundry Co., 2046 W 55th, Cleveland, O.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Burgess & Norton Mfg. Co. ("Huntington" Improved), Geneva, Ill.
Calder Geo. H., Lancaster, Pa.
Carborundum Co., Niagara Falls, N. Y.
Challenge Machine Co. ("Gruwa-Huntington"), 5116 Springfield av, Phila., Pa.

Chicago Screw Co. ("Genuine Huntington"), Homan av & Fillmore, Chicago, Ill.
Chicago Wheel & Mfg. Co., 1101 W. Monroe, Chicago, Ill.
CLEVELAND FLUE CLEANER MANUFACTURING CO. ("Brisben," "Duplex"), 5318 St. Clair av, Cleveland, Ohio
Clizbe Bros. Mfg. Co. ("Crown"), Plymouth, Ind.
Collmer Bros. ("Huntington Collmer"), South Bend, Ind.
Crafts Arthur A. & Co., 125 Summer, Boston, Mass.
Curtin Hebert Co (Also Cutters, "Huntington," "Paragon," "Crescent"), Gloversville, N. Y.
Desmond-Stephan Mfg. Co. ("Dismo-Carbo," "Sherman" & "Huntington"), Urbana, O.
Detroit Screw Works ("Genuine Huntington"), 348 Franklin, Detroit, Mich.
Diamond Drill Carbon Co. (Diamond Printed), 59 Park row, New York
Diamond Machine Co., Providence, R. I.
Diamond Saw & Stamping Works ("Sterling"), 357 7th, Buffalo, N. Y.
See adv index at end of book
Dickinson Thos. L., 34 Gold, New York
Electric Emery Wheel Co., 827 Broad, Newark, N. J.
Francis & Co. (Diamond), Hartford, Conn.
Hartley Geo. ("Diamond"), Waterbury, Conn.
Krause F. & Co., 250 Ogden av, Jersey City, N. J.
Machinery Co. of America, Big Rapids, Mich.
Makutchan Roller Bearing Co., 35 W. Lake, Chicago, Ill.
Meyers W. F. Co., Bedford, Ind.
Montgomery & Co. ("Strong" Diamond Holder), 64 Reade, New York
North Wales Machine Co. ("Huntington"), North Wales, Pa.
Norton Company, Barbers Crossing, Worcester, Mass.
Osborn-Crew Mfg. Co. ("Brisben"), 1628 E 39th, Cleveland, O.
Osgood J. L. Tool Co. ("Black Diamond"), Buffalo, N. Y.
Peninsular Emery Wheel Co. ("Huntington" Pattern), 729 Meldrum, Detroit, Mich.
Pratt Wm. E. Mfg. Co., 15 W Lake, Chicago, Ill.
QUADRIGA MFG. CO. ("Rearwin" Spiral), 213 W. Grand av, Chicago, Ill.
See adv index at end of book
Rock Island Mfg. Co., Rock Island, Ill.
Ross Mfg. Co., 3160 W 106th, Cleveland, O.
Scranton Whetsone & Abrasive Wheel Co., Scranton, Pa.
Sinsz Philip Co. (Diamond), 300 Hanover, Baltimore, Md.
Southington Hardware Co., Southington, Conn.
Springfield Mfg. Co., Bridgeport, Conn.
land, O.
Standard Tool Co., 6700 Central av, Cleveland, O.
Stocker H. A. Machinery Co. ("Rearwin"), 117 N Jefferson, Chicago, Ill.
Tanite Co. ("Taylor"), Stroudsburg, Pa.
Vitrified Wheel Co., Westfield, Mass.
Warren Axe & Tool Co. ("Huntington" Pattern), Warren, Pa.
Williams William, Jr. ("American," "Huntington"), New Britain, Conn.
Wrigley Thos. Co., 504 Sherman, Chicago, Ill.

3998— Dressers (Flour)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Anglo Am. Mill Co., Owensboro, Ky.
Barnard & Leas Mfg. Co., Moline, Ill.
Ehrsam J. B. & Sons Mfg. Co., Enterprise, Kan.
Great Western Mfg. Co., Leavenworth, Kan.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book

3999—Dressers (Plumbers' Wooden)

See also Tools, Plumbers
Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*
Strassel Carl Sons & Co., Front Royal, Va.

4000—Dressing (Carriage Top, Harness, Etc.)

Alder Chemical Co. ("Star-Clean"), Mount Vernon, N. Y.
Arnold N. B. ("Slikup," "Slikup Leather Kote"), 1 Sigourney, Brooklyn, N. Y.
Arnstein Eugene ("Century"), 45 W 26th, Chicago, Ill.
Atlantic Refining Co., 260 S. Broad, Phila., Pa.
Auto Specialties Mfg. Co., 40 Elm, Buffalo, N. Y.
Bar-Lac Co. ("Top-Tone"), 2318 Foothill blvd, Chicago, Ill.
Baum's Castorine Co. ("Baum's"), Rome, N. Y.
Bettes A. O. Mfg. Co. ("Ideal"), 1008 Union, Kansas City, Mo.
Bosler Leather Goods Co., 1935 Wabash av, Chicago, Ill.
California Leather Dressing Co., 1574H Market, San Francisco, Cal.
Certain-teed Products Co. ("Certain-teed"), Boatman's Bank bldg, St. Louis, Mo.
CHICAGO VARNISH WORKS (Leather Renewer), 2100 Elston av, Chicago, Ill.
Detroit White Lead Works ("Rogers"), 560 E Milwaukee, Detroit, Mich.
Durkee-Atwood Co. ("Pie-Nie" auto), 40 Wilder, Minneapolis, Minn.
Eberson Lindsley Paint Co. ("Leather Lac"), 1832 Morgan, St. Louis, Mo.
Endurance Autoil Co. ("Luster Finish"), Muncie, Ind.
Everbright Mfg. Co. ("Everbright"), 409 Golden Gate av, San Francisco, Cal.
Felton, Silbey & Co. ("Evernew"), 136 W 4th, Phila., Pa.
Fiebing Chemical Co. ("Presto" & Patent Leather), 240 Reed Milwaukee, Wis.
Hall-Thompson Co. ("Wonder-Worker"), 844 Windsor, Hartford, Conn.
Harsh-Miller Mfg. Co. (Also Auto), Wabash, Ind.
Hazen-Brown Co., 727 Atlantic av, Boston, Mass.
Hilo Varnish Corp. ("Hilo"), Marcy & Flushing avs, Brooklyn, N. Y.
Hollingshead R. M. Co. ("Hollingshead," Carriage & "Whiz" Auto Top), Camden, N. J.
Johnston R. F. Paint Co. ("Leatheriac"), Pearl & Main, Cincinnati, O.
King-Karbo Products Corp., 825 Concord, Pittsburgh, Pa.
Lowe Bros. Co., Dayton, O.
Lucas John & Co. ("Lucas"), 322 Race, Phila., Pa.
McLean-Jones Oil & Supply Co., Inc. ("McLean's Swastika," Leather), 40 Court, Boston, Mass.
Macbeth Chemical Co. ("Re-Nu"), 782 O'Farrell, San Francisco, Cal.
Miller Frank Co., 349 W 26th, New York
Murphy Varnish Co. (Enamel Varnish), 1224 McWhorter, Newark, N. J.
Northwestern Chemical Co. ("Pioneer"), Marietta, O.
Nu-Back Mfg. Co. ("Leath-R-Nu"), 114 N Commercial, St. Louis, Mo.
Permatex Co. Inc. ("Permatex"), Sheepshead Bay, N. Y.
Phoenix Laboratories, 702H Polk, San Francisco, Cal.
Prufo Products Co. ("Prufo," Black & Tan), 54 Union av, Portland, Ore.
Rainoil Waterproof Paint & Products Co., 1717 Westlake av N., Seattle, Wash.
Richmond Bros., 616 Main, Cincinnati, O.
St. Louis Rubber Cement Co., 3046 Lambdin av, St. Louis, Mo.
Super-Glos Mfg. Co. ("Top Nu"), 710 Van Ness av, San Francisco, Cal.
Texas Company (The), Dept. D, 17 Battery pl, New York
See adv index at end of book
Thumb E. W. ("Sun Shine"), 872 Orleans, Chicago. Ill.
Tingley Chas. O. & Co. ("C. O. T."), Rahway, N. J.
Valentine & Co., 456 4th av, New York
Victor Chemical Co. ("Victor"), 1953 S. Los Angeles, Cal.
Viscol Co. ("Aiol," "Pluviol"), Cambridge, Mass.
Wadsworth-Howland Co. ("Bay State"), 141 Federal, Boston, Mass.
Weiss Chas. & Son, 4715 Cottage Grove av, Chicago, Ill.
Weiss Polish Works ("American"), 216 S Winchester av, Chicago, Ill.

4001— Dressing (Hoof)

Fiebing Chemical Co. ("Fiebing's"), 240 Reed, Milwaukee, Wis.
World Refining Co., Easton, Pa.

4002-3—Dressing (Leather Belt)

Bradford Belting Co., 29 Murray, New York
Buffalo Belt Dressing Co., 967 Kensington, Buffalo, N. Y.
Chicago Belting Co., 110 N Green, Chicago, Ill.
See adv index at end of book
Chicago Rawhide Mfg. Co. (The), 1307 Elston av, Chicago, Ill.
See adv index at end of book
Cleveland Oak Belting Co., 1239H W 9th, Cleveland, O.
Kepec Co., 476 4th, Milwaukee, Wis.
STEPHENSON MFG. CO. (Red Label), Albany, N. Y.

4004— Dressing (Rope)

See also Wire Rope Coating & Lubricants
American Specialty Mfg. Co., Iron & Erie Ry, Cleveland, O.
Cling-Surface Co. ("Cling-Surface"), 1048 Niagara, Buffalo, N. Y.
Dixon Josph Crucible Co., Jersey City, N. J.
Dodge Mfg. Corp., Mishawaka, Ind.
Ironsides Co., 395-7 Broad, Columbus, Ohio
Jobbers' Mfg. Co. ("Blue Ribbon"), 327 S La Salle, Chicago, Ill.
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
LINK-BELT COMPANY, 300 W. Pershing rd, Chicago, Ill.
See adv index at end of book
Nason R. N. & Co. (Wire Rope), 151 Potrero av, San Francisco, Cal.
STEPHENSON MFG. CO. ("Stephenson," Brown Label), Albany, N. Y.
Superior Chemical Mfg. Co. ("Superior"), Grand Rapids, Mich.
TEXAS COMPANY (THE) ("Texaco Crater," doubles the life of ropes.) Dept. D, 17 Battery pl, New York
See adv index at end of book
Wire Rope Lubricating Co., 40 Clinton, Newark, N. J.
Zurp O. F. Co. ("Ropoleum"), Broad & Lehigh, Phila., Pa.

Dressing (Shoe)

See Shoe Blacking & Polish

4004a— Dressing (Top Renewers)

DU PONT E. I. de NEMOURS & CO., INC., Paint & Varnish Dept. (Leather), 3500 Grays Ferry rd, Philadelphia, Pa.
See adv index at end of book

4005— Dried Blood

Ashcraft Wilkinson Co., H, Trust Co. of Ga. bldg, Atlanta, Ga.
Baker H. J. & Bro. (Imp.), 81 Fulton, New York
Davidson Commission Co., 140 W Van Buren, Chicago, Ill.
Dold Jacob Packing Co., 745 William, Buffalo, N. Y.
Hollingshurst & Co., 29 Broadway, New York
Nitrate Agencies Co. (Imported), 102 Pearl, New York
Pittsburgh Provision & Packing Co., Herrs Isl., Pittsburgh, Pa.
Swift & Co., Union Stock Yards, Chicago, Ill.
Wilson & Co. (Also Tankage), Union Stock Yards, Chicago, Ill.

4006—Drifts (For Drill Sockets)

Armstrong Bros. Tool Co. ("Armstrong," Plain & Automatic), 339 N Francisco av, Chicago, Ill.
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O. *See adv index at end of book*
Collis Co., Clinton, Ill.
Hercules Heat Treating Co., 1647 E. 14th. Oakland, Cal.
Williams J. H. & Co. (Drop-forged), 81 Richards, Brooklyn, N. Y.

4007— Drill Ends (Rose)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.

4008—*Drill Heads ("Diexco")

DIAMOND EXPANSION BOLT CO., 89 West, New York
See adv index at end of book

4009—*Drill Press (Combination & Multi Vise Trident)

DIAMOND EXPANSION BOLT CO., 89 West, New York
See adv index at end of book

Drill Presses

See Drilling Machines

4010— Drill Speeders

Graham Mfg. Co. ("Graham"), 96 Point, Providence, R. I.
McCrosky Tool Corp. ("Wizard" Variable Speed & Reverse), Dept. H, Meadville, Pa.

4011—Drill & Vise Combined

Adams A. L., Cedar Rapids, Ia.
Goodell-Pratt Co., Greenfield, Mass.
Millers Falls Co., Dept. H, Millers Falls, Mass.

4012—Drilling Outfits (Submarine)

Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
Sullivan Machinery Co., Peoples Gas bldg., Chicago, Ill.

Drills (Artesian Well)

See Machinery, Well Drilling

4013—Drills (Beet Planting)

Allen S. L. & Co. ("Planet Jr."), 5th & Glenwood, Phila., Pa.
American Seeding Machine Co., Springfield, O.
Bacon Mfg. Co., Pontiac, Mich.
Bateman Mfg. Co., Grenloch, N. J.
Deere & Co. (Also Bean), Moline, Ill.
Fetzer & Co. ("McSherry," "Fetzer"), Springfield, Ill.
International Harvester Co. ("McCormick-Deering," "P. & O.," "Hoosier"), Harvester bldg, Chicago, Ill.
Thomas Mfg. Co., Springfield, O.
Wayne Works, Richmond, Ind.

Drills (Bench)

See Drilling Machines, Bench

4013a— Drills (Bit Stock)

See Drilling Machines, Automatic

Alvord Reamer & Tool Co., Millersburg, Pa.
Ampco Twist Drill & Tool Co., 18th & Howard, Detroit, Mich.
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O. *See adv index at end of book*
Greenfield Tap & Die Corp., Greenfield, Mass.
Republic Tool & Mfg. Co., 1401 W 9th, Cleveland, Ohio
Syracuse Twist Drill Co. ("Syracuse"), Borden av, Syracuse, N. Y.
See also Drills, Chain Attachment
Whitman & Barnes Mfg. Co. (Countersink), Akron, O.
See adv index at end of book

4014— Drills (Blacksmiths')

(Upright, Post & Bench)

See also Drilling Machines, Blacksmiths'
Ampco Twist Drill & Tool Co., 18th & Howard, Detroit, Mich.
Beall Tool Co., East Alton, Ill.
Buffalo Forge Co., 490 B'way, Buffalo, N. Y.
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O. *See adv index at end of book*
Detroit Twist Drill Co., 555 Fort W, Detroit, Mich.
Diamond Expansion Bolt Co., 89 West, New York *See adv index at end of book*
Dyer Co., 155 Brookline, Cambridge, Mass.
Greenfield Tap & Die Corp., Greenfield, Mass.
Hubbard & Co., 624 Butler, Pittsburgh, Pa.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
National Twist Drill & Tool Co., Detroit, Mich.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Syracuse Twist Drill Co., 936H Grape, Syracuse, N. Y.
Ward Tool & Forging Co., Latrobe, Pa.
Whitman & Barnes Mfg. Co., Akron, O.
See adv index at end of book

4015— Drills (Blast Hole)

KEYSTONE DRILLER CO. ("Keystone"), Beaver Falls, Pa.
See adv index at end of book
Livingston Mfg. Co., Rockland, Me.

Drills (Boiler Shell)

See Drilling Machines, Boiler

4016— Drills (Bracket)

Strong, Carlisle & Hammond Co. 336 Franklin av, N W, Cleveland, O.

4017—Drills (Breast & Hand, Geared)

See also Bit Braces; also Pneumatic Breast Drills
Clark Jas., Jr., Electric Co. (Electrically Driven), Louisville, Ky.
Coates Clipper Mfg. Co. ("Coates" Housed Geared Flexible Shaft), 237 Chandler, Worcester, Mass.
Goodell-Pratt Co. ("Giant"), Greenfield, Mass.
Hisey-Wolf Machine Co. ("Hisey" Electric), Cincinnati, O.
Lancaster Machine & Knife Works, Lancaster, N. Y.
Millers Falls Co. (Ball Bearing), Millers Falls, Mass.
North Bros. Mfg. Co. ("Yankee"), Lehigh av & American, Phila., Pa.
Stanley Rule & Level Co. (Breast), New Britain, Conn.
Stow Flexible Shaft Co., 26th & Callowhill, Phila., Pa.
Stow Mfg. Co., Inc., Binghamton, N. Y.
See adv index at end of book
Temco Electric Motor Co. ("Temco," Electric), Leipsic, O.
Turner & Deegan, Bristol, Conn.
Wilkinson A. J. & Co. ("A. J. W. & Co."), 184 Washington, Boston, Mass.

4018—Drills (Brick & Stone)

(For Drilling Holes for Expansion Bolts, etc)

Abegg & Reinhold Co. ("Varco"), 2533 E 26th, Los Angeles, Cal.
Alvord Reamer & Tool Co., Millersburg, Pa.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Brunner & Lay (Hollow Pipe for Brick, etc), 570 W Polk, Chicago, Ill.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Chicago Expansion Bolt Co. ("Chicago"), 324 W Washington, Chicago, Ill.
DIAMOND EXPANSION BOLT CO. ("Diamond N"), 89 West, New York *See adv index at end of book*
Drew C. & C. Co., Kingston, Mass.
Duffy J. F. Jr., 663 Fulton, Chicago, Ill.
Duffy Mfg. Co., 314 W Grand av, Chicago, Ill.
Electro Magnetic Tool Co. (Electric Hammer), 2902 Carroll, Chicago, Ill.
Irving Mfg. & Tool Co. ("Osborn"), 157 Chambers, New York
Kraeuter & Co., 583 13th av, Newark, N. J.
Livingston Mfg. Co., Rockland, Me.
Pollard Jos. G., 141 Raymond, Brooklyn, N. Y.
Star Expansion Bolt Co. ("Sebco"), 147 Cedar, New York
U. S. EXPANSION BOLT CO., 139 Franklin, New York

Drills (Carriage, Rubber)

See Carriage Cloth, Rubber & Enamel

Drills (Center)

See Countersinks & Counter Drills Combined

4019—Drills (Chain Attachment, Bit Stock)

Buckeye Mfg. & Foundry Co. (Ball Bearing), 2046 W 55th, Cleveland, O.
Detroit Twist Drill Co., 555 Fort, Detroit, Mich.
Fifield Bros. Co., Augusta, Me.
Goodell-Pratt Co. ("Giant" Automatic & Ratchet), Greenfield, Mass.
Grabler Mfg. Co. ("Wonder" & "Grabler" Self-Feeding), Cleveland, O.
Millers Falls Co. ("Millers Falls"), Millers Falls, Mass.
North Bros. Mfg. Co. ("Yankee"), Lehigh av & American, Phila., Pa.
Robinson M. W. Co. ("Dikeman"), 296 B'way, New York
SMITH & HEMENWAY CO., INC. ("Red Devil"), 261 H. B'way, New York; 120 H. Coit, Irvington, N. J.
See adv index at end of book
Union Twist Drill Co., Athol, Mass.
Upton & Gilman Machine Co. ("Duff"), Lowell, Mass.

4020— Drills (Churn)

Armstrong Mfg. Co., Armstrong bldg, Waterloo, Ia.
INGERSOLL-RAND CO. ("Calyx"), 11 B'way, New York
See adv index at end of book

4021— Drills (Clamp)

Goodell-Pratt Co. (Angular, Universal, etc), Greenfield, Mass.
Stow Flexible Shaft Co., 26th & Callowhill, Phila., Pa.

4022— Drills (Coal, Etc.)

See also Machines, Coal Cutting
Bittenbender Geo. H. & Son, Plymouth, Pa.
Bittenbender W. W. & Co., Nanticoke, Pa.
Chicago Pneumatic Tool Co., 6 East 44th, New York *See adv index at end of book*
Cyclone Machine Co. (Hand Only), Pittston, Pa.
Denver Rock Drill Mfg. Co. ("Waugh" Rock), Denver, Colo.
DOOLEY BROS. (Hand & Power Superior Mounted Elec. Coal Drill), 1201 S Washington, Peoria, Ill.
Eagen Jas. A. (Hand & Power), Wyoming, Pa.
Fulton Tool Works (Coal), Canal, **Fulton, O.**
Hardsocg Mfg. Co. (Hand Grip, Post, Post Hatchet, etc.), Ottumwa, Ia.
Hardsocg Martin Co. (& Rock), 923 South av, Pittsburgh, Pa.
Hardsocg Wonder Drill Co. ("Wonder," Steam & Air), Ottumwa, Ia.
Herzler & Henninger Machine Works ("Tornado" Coal Only), Belleville, Ill.
Howell's Mining Drill Co. ("Spry" Electric, also Hand & Power), Plymouth, Pa.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
INGERSOLL-RAND CO. ("Sergeant," "Jackhamer," "Butterfly," "Leyner-Ingersoll" Electric-air), 11 B'way, New York *See adv index at end of book*
Iron City Tool Works, Ltd. (Anthracite & Soft Coal), 3201 Smallman, Pittsburgh, Pa.
JEFFREY MFG. CO. (Electric Rotary Coal), 961 N Fourth, Columbus, O.
See adv index at end of book
Joy Machine Co., Union Arcade, Pittsburgh, Pa.
Klein-Logan Co. (Hand), 13th & Bread, Pittsburgh, Pa.
Leetonia Tool Co. (The), Leetonia, O.
Le Grand Mine Drill Works, Wilkes-Barre, Pa.
Nixon Mining Drill Co., Chattanooga, Tenn.
Pettigrew Foundry Co. ("Acme" Hand, Coal Mining), Harvey, Ill.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Salem Tool Co. (Coal Only), Salem, O.
Scranton Electric Construction Co. (Electric, for Mining Gypsum, Fire Clay, etc), Scranton, Pa.
South Side Fdry. & Mach. Works, **Charleston, W. Va.**
WARWOOD TOOL CO. (Handgrip Post, Post Ratchet, etc.), 19th, Warwood, Wheeling, W. Va.
What Cheer Tool Co. ("Walker"), What Cheer, Ia.

4023— Drills (Core)

American Well Works, Aurora, Ill.
See adv index at end of book
Ampco Twist Drill & Tool Co., 18th & Howard, Detroit, Mich.
Brady F. A. Inc., 30 Church, New York
Crafts Arthur A. & Co., 125 Summer, Boston, Mass.
DIAMOND DRILL CONTRACTING CO. (Diamond Core Prospecting Drills), 429 1st av, Spokane, Wash.
Dobbins Core Drill Co., Inc., 81-85 6th, Long Island City, N. Y.
See adv index at end of book

Dobbins Core Drill Co., Inc.
81-85 Sixth St., Long Island City, New York
Manufacturers of
CORE DRILLS
For drilling Mineral, Oil and Coal Lands. Large diameter holes for water wells, blast holes, etc.

Ellison Wm. & Sons Mfg. Co., St. Louis, Mo.
Glenzer J. C. Co. ("Utility" Comb, Interchangeable), 3H 14th, Detroit, Mich.
Hoffman Bros., Dept. H, Punxsutawney, Pa.
INGERSOLL-RAND CO. ("Calyx," "Diamondless"), 11 B'way, New York
See adv index at end of book
International Diamond Drill Contracting Co. ("Mitchell" Core Barrel), Spokane, Wash.
KEYSTONE DRILLER CO., Beaver Falls, Pa. *See adv index at end of book*
Lake Shore Engine Works (Diamond), Marquette, Mich.
Longyear E. J. Co. ("Longyear" Mounted Gasoline Diamond Drill), Security Bank bldg, Minneapolis, Minn.
McKiernan-Terry Drill Co., 17 Park row, New York
Meyers W. F. Co., Bedford, Ind.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
O'Kellwell Machinery Co. (Portable Rotary), 151 N Los Angeles, Los Angeles, Cal.
Pacific Oil Tool Co. ("P. O. T."), 1928 E 7th, Los Angeles, Cal.
Pennsylvania Drilling Co. (Diamond Drills to Test for Coal, Clay & all Minerals), 1812 W Carson, Pittsburgh, Pa.
Regan Forge & Engineering Co. ("Wigle"), San Pedro, Cal.
Standard Diamond Drill Co. ("Diamond," Capacity 350 to 6,000 ft), 38 S Dearborn, Chicago, Ill.
Sprague & Henwood Inc. (Contractors), Monsey av & New York, Scranton, Pa.
Sullivan Machinery Co., 122 S Michigan av, Chicago, Ill.

4024—Drills (Corn Planting)

American Seeding Machine Co. (With Fertilizer Attachment), Springfield, O.
Avery B. F. & Sons, Louisville, Ky.
Brinly Hardy Co., Louisville, Ky.
Campbell-Hausfeld Co., Harrison, Ohio
Case J. I. Plow Works ("F. F." "Pitman Drive"), Racine, Wis.
Deere & Co. (Also Bean), Moline, Ill.
Emerson-Brantingham Co. ("E-B") One-Horse with Fertilizer, two Row Riding), Rockford, Ill.
Fetzer & Co., ("McSherry" & "Fetzer"), Springfield, Ill.
Gale Mfg. Co., Albion, Mich.
Hapgood Plow Co., Alton, Ill.
Hayes Pump & Planter Co. ("Sucker State"), Galva, Ill.
International Harvester Co. ("Hoosier," "International"), Harvester bld, Chicago, Ill.
Janesville Machine Co., Janesville, Wis.
Moline Plow Co. ("Flying Dutchman" & "Champion"), Moline, Ill.
Ohio Rake Co., Dayton, O.
Peru Plow & Wheel Co., Peru, Ill.
Racine-Sattley Co. ("Sattley," "Crescent"), Springfield, Ill.
Rock Island Plow Co. ("Rock Island"), Rock Island, Ill.
Sechler D. M. Implement & Carriage Co. ("Black Hawk"), Moline, Ill.
Shortsville Wheel Co., Shortsville, N. Y.
Thomas Mfg. Co., Springfield, O.
Wayne Works, Richmond, Ind.

Drills (Cotter)

See Drilling Machines, Cotter & Key Seat

4025—Drills (Cotton Planting)

American Seeding Machine Co., Springfield, O.
Avery B. F. & Sons, Louisville, Ky.
Case J. I. Plow Works ("Pitman Drive"), Racine, Wis.
Deere & Co., Moline, Ill.
Moline Plow Co., ("A-1" "Dutchess"), Moline, Ill.
Racine-Sattley Co. ("Alomo," "Tonapah"), Springfield, Ill.
Rock Island Plow Co., Rock Island, Ill.
Thomas Mfg. Co., Springfield, O.

4026— Drills (Diamond)

ACME DIAMOND TOOL CO., 170 Broadway, New York
Crafts Arthur A. & Co. (Lens & Lip), 125 Summer, Boston, Mass.
Diamond Drill Contracting Co., 429 1st av, Spokane, Wash.
International Diamond Drill Contracting Co. ("Mitchell" Core Barrel), Spokane, Wash.
Levine Abr., 2 Maiden Lane, New York
Mendes Cutting Factories, 105 W 40th, New York
Meyers W. F. Co., Bedford, Ind.
Sprague & Henwood, Inc., Monsey av & New York, Scranton, Pa.
Standard Diamond Drill Co., First Nat. Bank bldg, Chicago, Ill.
Star Iron Works, Punxsutawney, Pa.
Wennstrom's John Sons Co., Suffern, N. Y.

Drills (Diamond Core)

See Drills, Core

4027-8—Drills (Electric Portable)

American Electric Tool Co. ("Carver"), West, Newton, Mass.
Arnold Electric Tool Co. ("Arnold"), 902 Chapel, New Haven, Conn.
Black & Decker Mfg. Co. ("B. & D."), E Penn av, Baltimore, Md.
Buffalo Forge Co (Hand Pulley and Motor Driven), 490 B'way, Buffalo, N. Y.
Cary Jas. H., 51 Cross, Portland, Me.
CHICAGO PNEUMATIC TOOL CO. ("Little Giant" Air Cooled), 6 E 44th, New York *See adv index at end of book*
Cincinnati Electrical Tool Co., Cincinnati, O.
Clark James Jr. Electric Co. ("Clark's"), 522 W Main, Louisville, Ky.
Coates Clipper Mfg. Co., 237 Chandler, Worcester, Mass.
Emerson Electric Mfg. Co. (Motor Driven), 2824 Washington av, St. Louis, Mo.
Gilfillan Bros., Inc., 1819 W 16th, Los Angeles, Cal.
Haskins R. G. Co., 516 W Monroe, Chicago, Ill.
Hisey-Wolf Machine Co. ("Hisey"), Cincinnati, O.
Howells Mining Drill Co., Plymouth, Pa.
Independent Pneumatic Tool Co. ("Thor"), 600H W Jackson blvd, Chicago, Ill.
Knight Engineering & Sales Co. ("One-Hand-Y"), 30 W Walton pl, Chicago, Ill.
Louisville Elec. Mfg. Co. ("Louisville," "Pioneer"), 31st & Magazine, Louisville, Ky.
Neil & Smith Electric Tool Co. ("Ideal"), 8th & B'way, Cincinnati, O.
Petersen A. H. Mfg. Co. ("Hole Shooter"), 1614H Fratney, Milwaukee, Wis.
Scranton Electric Construction Co. (For Mining Gypsum, Fire Clay, etc), Scranton, Pa.
Standard Elec. Tool Co., York & Western av, Cincinnati, O.
STOW MFG. CO., Binghamton, N. Y.
See adv index at end of book
Temco Electric Motor Co. ("Temco" Drills & Motors), Leipsic, O.
United States Electrical Tool Co. ("U. S." Hand), W. 6th, Cincinnati, Ohio
Van Dorn Electric Tool Co. ("Van Dorn"), 2978 Woodhill, Cleveland, O.
Wisconsin Electric Co. ("Dumore" Automobile), 1602 Junction av, Racine, Wis.
Wodack Electric Tool Corp. ("Wodack"), 23H Jefferson, Chicago, Ill.
New York

Drills (Electrician's)

See Drills & Bits, Electricians'

4029— Drills (Extension)

Grabler Mfg. Co. (For Drilling Into I Beams or Concrete), Cleveland, O.
Star Expansion Bolt Co. ("Star"), 147 Cedar, New York

4030— Drills (Fertilizer)

Allen S. L. & Co. ("Planet, Jr."), 5th & Glenwood, Philadelphia, Pa.
American Seeding Machine Co., Springfield, O.
Bateman Mfg. Co. ("Iron Age" Hand), Grenloch, N. J.
Crown Mfg. Co., Phelps, N. Y.
Emerson-Brantingham Co. ("E-B"), Rockford, Ill.
Fetzer & Co. ("McSherry" & "Fetzer"), Springfield, Ill.
Genesee Valley Mfg. Co., Mt. Morris, N. Y.
Genung C. W. ("Iron King" Hand), Madison, Ohio
Hayes Pump & Planter Co. ("Sucker State"), Galva, Ill.
Hench & Dromgold Co., York, Pa.
Ontario Drill Co., East Rochester, N. Y.
Rude Mfg. Co., Liberty, Ind.
Thomas Mfg. Co., Springfield, O.
Wayne Works, Richmond, Ind.

4031— Drills (Flat)

Brady F. A., Inc., 36 Church, New York
Eagle Tool Works, Bayonne, N. J.
Rich Tool Co., Ry. Exchange bldg, Chicago, Ill.

4032—*Drills (Flexible Shaft)

Stow Mfg. Co., Inc., Binghamton, N. Y.
See adv index at end of book

4033— Drills (Friction Disc)

Barnes W. F. & Jno. Co. ("Barnes" Bench), Rockford, Ill.
Hoefer Mfg. Co., Freeport, Ill.

Drills (Gang)

See Drilling Machines, Gang

4034— Drills (Garden Seed)

Ames Plow Co., Framingham, Mass.
Bacon Mfg. Co., Pontiac, Mich.
Bateman Mfg. Co., Grenloch, N. J.
Genung C. W., Madison, O.
McWhorter Mfg. Co., Riverton, N. J.
Thornburgh Mfg. Co, Bowling Green, O.

4035— Drills (Grain)

American Seeding Machine Co. ("Buckeye," "Farmer's Favorite," "Fountain City," "Superior" Hoe, Shoe, Disc, also Low Down Press), Springfield, O.
Beatrice Iron Works, Beatrice, Neb
Beaver Dam Mfg. Co. Beaver Dam, Wis.
Champion Drill Co. ("Champion," "New York Champion"), Avon, N. Y.
Champion Wagon Co., Owego, N. Y.
Cole Mfg. Co. (8 Row), Charlotte, N. C.
Crown Mfg. Co., Phelps, N. Y.
Dempster Mill Mfg. Co. ("Dempster," "New Era"), Beatrice, Neb.
Dowagiac Drill Co. ("Cassapolis," "Dowagiac"), Dowagiac, Mich.
Emerson-Brantingham Co. ("EB" Plain & Fertilizer), Rockford, Ill.
Farquhar A. B. Co., Ltd. ("Farquhar" Grain, Grass & Fertilizer), York, Pa.
Fetzer & Co. ("Columbia," "Plymouth," "Southern," "McSherry" & "Fetzer"), Springfield, Ill.
Galloway Wm. Co., Waterloo, Ia.
Gantt Mfg. Co., Macon, Ga.
Genesee Valley Mfg. Co. ("Missouri"), Mount Morris, N. Y.
Gundlach Philip M. Sons (Force Feed), Bellville, Ill.
Hapgood Plow Co., Alton, Ill.
Hayes Pump & Planter Co. ("Sucker State"), Galva, Ill.
Hench & Dromgold Co. ("York"), York, Pa.
Hocking Valley Mfg. Co., Lancaster, O.
International Harvester Co. ("Empire," "Jr.," "Hoosier," "Kentucky"), H Harvester bldg, Chicago, Ill.
King Drill Mfg. Co. ("King"), Nebraska City, Neb.
La Crosse Plow Co. ("Imperial"), La Crosse, Wis.
Messinger Mfg. Co. (With Grass Seeder), Tatamy, Pa.
Moline Plow Co. ("Monitor"), Moline, Ill.
Monitor Drill Co., St. Louis Park, Minn.
Monmouth Plow Factory, Monmouth, Ill.
Ontario Drill Co., E. Rochester, N. Y.
Owatonna Mfg. Co., Owatonna, Minn.
Peoria Drill & Seeder Co. ("Illinois," "Union"), Peoria, Ill.
Rock Island Plow Co., Rock Island, Ill.
Rude Mfg. Co. ("Rude," "Rude-Northwestern," "Indiana"), Liberty, Ind.
Sterling Mfg. Co., Sterling, Ill.
Thomas Mfg. Co. ("Thomas"), Springfield, O.
Van Brunt Mfg. Co., Horicon, Wis.
Wayne Works, Richmond, Ind.
Wood Walter A. Mowing & Reaping Machine Co. ("Climax"), Hoosick Falls, N. Y.

4036-7— Drills (Grain Disc)

See also Drills, Grain

American Seeding Machine Co., Springfield, O.
Beaver Dam Mfg. Co., Beaver Dam, Wis.
Brinly Hardy Co., Louisville, Ky.
Champion Drill Co., Avon, N. Y.
Crown Mfg. Co., Phelps, N. Y.
Dempster Mill Mfg. Co., Beatrice, Neb.
Dowagiac Drill Co., Dowagiac, Mich.
Emerson-Brantingham Co. ("E-B"), Rockford, Ill.
Farquhar A. B. Co. (Ltd.), York, Pa.
Fetzer & Co. ("McSherry" & "Fetzer"), Springfield, Ill.
Genesee Valley Mfg. Co., Mt. Morris, N. Y.
Hayes Pump & Planter Co. ("Sucker State"), Galva, Ill.
La Crosse Plow Co. ("Imperial"), La Crosse, Wis.
Monitor Drill Co., St. Louis Park, Minn.
Ontario Drill Co., E. Rochester, N. Y.
Owatonna Mfg. Co., Owatonna, Minn.
Peoria Drill & Seeder Co., Peoria, Ill.
Rock Island Plow Co. (Comb Disc Drill & Harrow), Rock Island, Ill.
Thomas Mfg. Co. (Plain & Fertilizer), Springfield, O.
Van Brunt Mfg. Co. (Shoe & Hoe & Low Down Press), Horicon, Wis.
Wayne Works, Richmond, Ind.

Drills (Grain & Fertilizer Combined)

See Drills, Grain

Drills (Hammer)

See Drills, Rock, Air Hammer

Drills (Hammer, Brick & Stone)

See Drills, Brick & Stone

4038— Drills (Hand Power)

Arnold Elec. Tool Co. ("Arnold"), 902 Chapel, New Haven, Conn.
Buffalo Forge Co. (Hand, Pulley & Motor Driven), 490 Broadway, Buffalo, N. Y.
Champion Blower & Forge Co., Lancaster, Pa.
Chicago Expansion Bolt Co. ("Chicago"), 324 W. Washington, Chicago, Ill.
Goodell-Pratt Co. (Double Geared, etc), Greenfield, Mass.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
Jones E. D. & Sons Co. (For Metal), Pittsfield, Mass.
Lakepoint J. N. Co., New London, Conn.
Millers Falls Co. (Ball Bearing), Millers Falls, Mass.
North Bros. Mfg. Co. ("Yankee," Automatic & Reciprocating, for Carpenters, etc), cor N American & Lehigh av, Phila., Pa.
Rutschman Oscar F., 1906 E Westmoreland, Phila., Pa.
Ryerson Jos. T. & Son, Inc., 2558 W. 16th, Chicago, Ill.
See adv index at end of book
Upton & Gilman Machine Co. (With Screw Feed & Chain Attachment), Lowell, Mass.

Drills (High Speed)

See Drills, Twist, High Speed

4039— Drills (Joist)

Bowlus Mfg. Co. ("Bowlus"), Springfield, Ohio.

4040—*Drills (Machine for Drilling Concrete)

Chicago Pneumatic Tool Co., 6 E. 44th, New York *See adv index at end of book*
DIAMOND EXPANSION BOLT CO. ("Rapid Fire"), 89 West, New York
See adv index at end of book
King Pneumatic Tool Co., 1734 Armitage av, Chicago, Ill.
See adv index at end of book

4041—Drills (Marble & Granite)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Chicago Pneumatic Tool Co., 6 E. 44th, New York *See adv index at end of book*
Lincoln Iron Works, Rutland, Vt.
Meyers W. F. Co., Bedford, Ind.
Vogl Tool Co., 912 E 19th, Kansas City, Mo.

4042— Drills (Mine Ratchet)

Jones Machine & Foundry Co. ("Jones'" Reversible), 1113 Elm, Chattanooga, Tenn.
Peglar Machinery Co., Cowart & 16th, Chattanooga, Tenn.
South Side Fdry. & Mach. Works, Charlestown, W. Va.
What Cheer Tool Co. ("Moser"), What Cheer, Ia.

4043—Drills (Mine, Self-Feeding)

Garrity Ralph E. Co., 607H Wabash bldg, Pittsburgh, Pa.
Ohio Brass Co., Mansfield, O.

Drills (Multiple Spindle)

See Drilling Machines, Multiple Spindle

4044-5— Drills (Onion)

Allen S. L. & Co. ("Planet Jr." Single Row), 5th & Glenwood, Phila, Pa.
Bacon Mfg. Co. ("Bacon" Two Row), Pontiac, Mich.
Genung C. W. ("Iron King" Single Row), Madison, O.

4046— Drills (Pipe)

Star Expansion Bolt Co. ("Star"), 147 Cedar, New York

4047—*Drills (Pipe & Star Face)

DIAMOND EXPANSION BOLT CO., 89 West, New York
See adv index at end of book
Star Expansion Bolt Co., 147 Cedar, New Aurora, Ill.

Drills (Piston Air)

See Pneumatic Piston Drills

Drills (Plug)

See Pneumatic Plug Drillers

Drills (Portable)

See Drilling Machines, Portable

4048— Drills (Post)

See also Drills, Blacksmith's

Aurora Tool Works, Aurora, Ind.
Buffalo Forge Co. (Floor & Bench), 490 Broadway, Buffalo, N. Y.
Canedy-Otto Mfg. Co. ("Western Chief," Automatic Self - Feed), Chicago Heights, Ill.
Champion Blower & Forge Co. ("Champion" Self-Feed, etc), Lancaster, Pa.
Goodell-Pratt Co. (Or Wall), Greenfield, Mass.
Howells Mining Drill Co., Plymouth, Pa. Nurora, Ill.
Illinois Iron & Bolt Co. ("Handy" & "Bailey" Ball Bearing, Hand or Power), Carpentersville, Ill.
Kane & Roach, Syracuse, N. Y.
Potts D. H. Co., Lancaster, Pa.
Silver Mfg. Co., Box 256, Salem, Ohio
SMITH & HEMMENWAY CO., 261 H. B'way, New York & 130 H. Colt, Irvington, N. Y.
See adv index at end of book

4049— Drills (Post Mining)

Beall Brothers, Inc., Alton, Ill.
Howell Mining Drill Co. (Ball Bearing, Heavy Geared), Plymouth, Pa.
What Cheer Tool Co. ("Walkers," "Little Jap"), What Cheer, Ia.

4050—Drills (Prospecting, Hand or Power)

American Well Works, The (Power Only), **Aurora, Ill.**
See adv index at end of book
Armstrong Mfg. Co. (Kerosene & Oil Engine or Elec. Motor Power), Waterloo, Ia.
Birdsboro Steel Foundry & Machine Co. ("Diamond"), Birdsboro, Pa.
Chicago Pneumatic Tool Co., 6 E. 44th, New York *See adv index at end of book*
Diamond Drill Contracting Co., 429 1st av, Spokane, Wash.
Dobbins Core Drill Co., 81-85 Sixth, Long Island City, N. Y.
See adv index at end of book
Howells Mining Drill Co., Plymouth, Pa.
Hunter Wm. Machine Co., 1118 Clinton, Hoboken, N. J.
Ingersoll-Rand Co. 11 Broadway, New York. *See adv index at end of book*
International Diamond Drill Contracting Co. ("Mitchell" Core Barrel), Spokane, Wash.
KEYSTONE DRILLER CO. (Hand Prospecting), Beaver Falls, Pa.
See adv index at end of book
New York Engineering Co. ("Empire" Hand), 2 Rector, New York
Okell Well Machinery Co., 151 N. Los Angeles, Los Angeles, Cal.
Sparta Iron Works Co., Sparta, Wis.
Sullivan Machinery Co. ("Diamond" Core), Peoples Gas bldg, Chicago, Ill.
Union Construction Co., Balfour bldg, San Francisco, Cal.

4050a— Drills (Radial)

See also Drilling Machines, Radial

Niles-Bement-Pond Co. ("Right Line"), 111 B'way, New York
See adv index at end of book
Reed Prentice Co., 677 Cambridge, Worcester, Mass.
Silver Mfg. Co. (2½, 3, 3½ ft.), Box 256, Salem, Ohio
Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.
Whitman & Barnes Mfg. Co., Akron, Ohio
See adv index at end of book

4051— Drills (Rail Bonding)

Buda Co. ("Hyduty," "Wilson" Automatic Feed & "Buda-Wilson"), Harvey, Ill.
Chicago Pneumatic Tool Co., 6 E 4th, New York *See adv index at end of book*
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O.
See adv index at end of book
Crerar, Adams & Co. ("Calumet" & "Eureka"), 259 E. Erie, Chicago, Ill.
Fastfeed Drill & Tool Corp. (High Speed), Toledo, O.
LOWELL WRENCH CO. (I. X. L. Reversible Ratchet), 54 Commercial, Worcester, Mass. *See adv index at end of book*
Moore & Moore, Inc. (Dirs), H Colonial Trust bldg, (Jobbers), Reading, Pa.
National Standard Co. ("Climax," "Standard"), Box 211, Niles, Mich.
Stow Mfg. Co., Inc., Binghamton, N. Y.
See adv index at end of book
Track Specialties Co., Inc. (Dirs.), 2-4-6 Morris, New York

4052— Drills (Ratchet)

Ampco Twist Drill & Tool Co., 18th & Howard, Detroit, Mich.
Anderson W. H. Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Armstrong Bros. Tool Co. ("Armstrong" Universal, Short, Standard & Packer), 339 N Francisco av, Chicago, Ill.
Bagshaw & Field (Flat), 445 N 5th, Phila., Pa.
Billings & Spencer Co. (Double-Acting "Packer" for Flat & Square Shank Drills), Hartford, Conn.
Brady F. A., Inc 80 Church, New York
Braunsdorf-Mueller Co., Elizabeth, N. J.
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O *See adv index at end of book*
Detroit Twist Drill Co., 555 Fort, Detroit, Mich.
Gallagher Mfg. Co. ("Universal"), Lynn, Mass.
Greenfield Tap & Die Corp., Greenfield, Mass.
Goodell-Pratt Co., Greenfield, Mass.
Irving Mfg. & Tool Co. ("Weston's" Packer), 157 Chambers, New York
Keystone Mfg. Co. ("Monarch," "Keystone," "Giant," "Weston"), Buffalo, N. Y.
King A. R. Mfg. Co. ("Packer"), Kingston, N. Y.
Lovejoy Tool Works ("Packer"), 319 W Ohio, Chicago, Ill.
See adv index at end of book
LOWELL WRENCH CO. ("S. T. D." Reversible), 54 Commercial, Worcester, Mass. *See adv index at end of book*
Lutz Co., Inc., Morris & Bambrey, Phila., Pa.
Millers Falls Co. ("Millers Falls" Flat), Dept. H, Millers Falls, Mass.
Moore & Moore Inc. (Dirs), H Colonial Trust bldg, Reading, Pa.
Peck, Stow & Wilcox Co., Southington, Conn.
Pratt & Whitney Co. ("Renshaw"), Hartford, Conn.
See adv index at end of book
Standard Tool Co., 6700 Central av, Cleveland, O.
Stortz John & Son (Flat & Pipe), 210 Vine, Phila., Pa.
Whitman & Barnes Mfg. Co., Akron, O.
See adv index at end of book

4053— Drills (Rice Planting)

American Seeding Machine Co. ("Buckeye," "Farmer's Favorite," "Superior"), Springfield, O.
Fetzer & Co. ("Columbia," "Plymouth," "Southern," "McSherry" & Fetzer"), Springfield, Ill.
Genesee Valley Mfg. Co. ("Missouri"), Mt. Morris, N. Y.
Hayes Pump & Planter Co. ("Sucker State"), Galva, Ill.
Moline Plow Co. ("Monitor"), Moline, Ill.
Peoria Drill & Seeder Co., Peoria, Ill.
Thomas Mfg. Co. ("Thomas"), Springfield, O.
Wayne Works, Richmond, Ind.

4054-5— Drills (Rock, Air Hammer)

(For Mining & Construction)

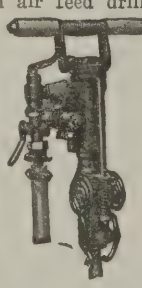
Chicago Pneumatic Tool Co., 6 E. 44th, New York *See adv index at end of book*
Colonial Supply Co. (Jackhammer), 217 Water, Pittsburgh, Pa.
See adv index at end of book
Denver Rock Drill Mfg. Co ("Waugh" Drifting, Stopping & Sinking), Denver, Col.
Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.
Howells Mining Drill Co., Plymouth, Pa.
Hubbard & Co. ("Pierce"), 63rd & Butler, Pittsburgh, Pa.

I-R ROCK DRILLS

The line of I-R Rock Drills include a type of drill for each rock drilling condition. They are divided into three main types:

"Jackhamer"—An automatically rotated hammer type rock drill, hand held or mounted and used in all kinds of general rock drilling and down hole work. There are 5 sizes.

"Stopehamer"—An air feed drill for putting in holes which are 20° above the horizontal. There are 4 sizes.



"Drifter" — A mounted (in shell or cradle) rock drill of heavier design than either of the above, mostly used for drifting or tunnel work. There are 10 sizes.

Other Styles—In addition to the various sizes of the different types of drills mentioned above there are many styles such as wet or dry, with or without anvil block, etc.

Leyner Rock Drill Steel Sharpeners, which this company also manufactures, will make and resharpen perfectly formed and accurately gauged bits of all sizes and types.

Ingersoll-Rand

11 Broadway, New York City

INGERSOLL-RAND CO., 11 B'way, New York *See adv index at end of book*
Shaw C. H. Pneumatic Tool Co., Denver, Colo.
Sullivan Machinery Co. ("Sullivan"), 122 S Michigan av, Chicago, Ill.

4056—Drills (Rock, Compressed Air)

Chicago Pneumatic Tool Co., 6 E. 44th, New York *See adv index at end of book*
Howell's Mining Drill Co., Plymouth, Pa.
INGERSOLL-RAND CO. ("Sergeant," "Butterfly," "Leyner - Ingersoll," "Jackhamer," "Stopehamer"), 11 Broadway, New York
See adv index at end of book
McKiernan-Terry Drill Co. ("McKiernan-Terry"), 17 Park row, New York
Rix Compressed Air & Drill Co., 400-404 4th, San Francisco, Cal.
Rogers Jno. M. Works, Gloucester City, N. J.
Schramm Chris. D. & Son, Inc. (Up to 6' Holes, in any Rock; Self Rotating Drill up to 12' Holes), 709 Arch, Phila, Pa.
Sullivan Machinery Co., 122 S Michigan av, Chicago, Ill.
Wood Drill Works, 36H Dale av, Paterson, N. J.

4057—Drills (Rock, Electric)

American Well Works, Aurora, Ill.
See adv index at end of book
Armstrong Mfg. Co., Waterloo, Ia.
Cooke Wilson Electric Supply Co., Imperial Power bldg, Pittsburgh, Pa.
Dooley Bros., 1201 S. Washington, Peoria, Ill.
Greenlee Bros. & Co., 12th, Rockford, Ill.
Howell's Mining Drill Co., Plymouth, Pa.
Hunter Wm. Machine Co. ("American Diamond"), 1118 Clinton, Hoboken, N. J.
Jeffrey Mfg. Co., 961 N Fourth, Columbus, Ohio.
See adv index at end of book
Marvin Electric Drill Co., Binghamton, N. Y.
Mine & Smelter Supply Co. ("Durkee") 42 B'way, New York
Pneumelectric Machine Co., Syracuse, N. Y

4058—*Drills (Rock, Electric Air)

See also Drills, Rock, Electric

Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book

4059—Drills (Rock, Gasoline)

Armstrong Mfg. Co., Waterloo, Ia.
Scott Drill Co. ("Scott"), Bk. of Commerce bldg, St. Louis, Mo.

4060— Drills (Rock, Hand)

CHICAGO PNEUMATIC TOOL CO., 6 E. 44th, New York
See adv index at end of book
Cleveland Rock Drill Co., 3734 E 78th, Cleveland, O.
Denver Rock Drill Mfg. Co. ("Waugh" Hand Sinker), Denver, Colo.
DOOLEY BROS., 1201 S Washington, Peoria, Ill.
Ingersoll-Rand Co. ("Jackhamer"), 11 Broadway, New York
See adv index at end of book
Leetonia Tool Co., Leetonia, Ohio
Livingston Mfg. Co., Rockland, Me.
Vogl Tool Co., 913 E 19th, Kansas City, Mo.

4061-2-3—Drills (Rock Steam)

See also Drills, Rock, Electric; also Pneumatic Rock Drills

Acme Road Machinery Co., Frankfort, N. Y.
Armstrong Mfg. Co., Waterloo, Ia.
CHICAGO PNEUMATIC TOOL CO., 6 E. 44th, New York
Cleveland Pneumatic Tool Co., 3734 E. 78th, Cleveland, Ohio
See adv index at end of book
Cleveland Rock Drill Co. ("Cleveland"), 3734 E 78th, Cleveland, O.
Denver Rock Drill Mfg. Co. ("Waugh," for Stopping, Sinking & Drifting), Denver, Colo.
Hardsocg Wonder Drill Co. (Reciprocating or Piston), Ottumwa, Ia.
INGERSOLL-RAND CO. ("Sergeant," "Leyner - Ingersoll," "Jackhamer," "Butterfly"), 11 B'way, New York
See adv index at end of book
Keystone Driller Co., Beaver Falls, Pa.
See adv index at end of book
Le Grand Mine Drill Wks. (Coal & Rock Mine), Wilkes-Barre, Pa.
Livingston Mfg. Co., Rockland, Me.
McKiernan-Terry Drill Co. ("McKiernan-Terry"), 17 Park row, New York
Mine & Smelter Supply Co. ("Holman"), 42 B'way, New York



Rogers John M. Works, Gloucester City, N. J.
Sullivan Machinery Co. (Steam or Air), Peoples Gas bldg, Chicago, Ill.
Union Iron Works Co., 20th & Michigan, San Francisco, Cal.
Vogt Tool Co., 912 E 19th, Kansas City, Mo.
Wickes Machy. Co. ("Murphy's" Little Champion), Jersey City, N. J.
Wood Drill Works, 36H Dale av, Paterson, N. J.

Drills (Sensitive)

See Drilling Machines, Sensitive

4064— Drills (Shell)

Am. Twist Drill & Tool Co., W. Jefferson av & 21st, Detroit, Mich.
Ampco Twist Drill & Tool Co., 18th & Howard, Detroit, Mich.
Brady F. A., Inc., 30 Church, New York
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O.
See adv index at end of book
Morse Twist Drill & Machine Co., ("Morse"), New Bedford, Mass.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Yonts C. H. & Co. (Combination), Meadville, Pa.

4065— Drills (Slate)

Chicago Pneumatic Tool Co., 6 E. 44th, New York *See adv index at end of book*
Nixon Mining Drill Co., Chattanooga, Tenn.
Ruggles Machine Co., Poultney, Vt.

4066— Drills (Star)

See also Drills, Brick & Stone

Abegg & Reinhold Co. ("Varco"), 2533 E 26th, Los Angeles, Cal.
Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.
Bagshaw & Field, 445 N 5th, Phila., Pa.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Brewer Bros. Co., 2743 N 2nd, Phila., Pa.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Carver Tool Works, Spring Valley, N. Y.
Chicago Tool & Kit Co., 160 Whiting, Chicago, Ill
Duffy Mfg. Co., 214 W Grand av, Chicago, Ill.
Eagle Tool Works, Bayonne, N. J.
Hood Bros., Palethorp & Oxford, Philadelphia, Pa.
Kilborn & Bishop Co., 194 Chapel, New Haven, Conn.
Livingston Mfg. Co., Rockland, Me.
Mound Tool Co., 1203 S 7th, St. Louis, Mo.
PAINE CO. (The), 2947 Carroll av, Chicago, Ill.
Star Expansion Bolt Co., 147 Cedar, New York
Stortz Jno. & Son (Stone), 210 Vine, Phila., Pa.
Syracuse Twist Drill Co. ("Syracuse"), Borden av, Syracuse, N. Y.
U. S. EXPANSION BOLT CO., 139 Franklin, New York
Vaughan & Bushnell Mfg. Co., 2114 Carroll av, Chicago, Ill.
Vichek Tool Co. ("Vichek"), 3000 E 87th, Cleveland, Ohio
Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.

4067— Drills (Stove)

Wolverine Brass Works, Grand Rapids, Mich.

Drills (Suspension)

See Drilling Machines, Suspension

4068— Drills (Tamp Churn)

Armstrong Mfg. Co., Waterloo, Ia.
Hardsoog Mfg. Co. (Iron & Copper), Ottumwa, Ia.
Hardsoog Wonder Drill Co. (Copper), Ottumwa, Ia.
Leetonia Tool Co., Leetonia, Ohio
Sparta Iron Works Co., Sparta, Wis.
What Cheer Tool Co. (Iron & Copper for Coal Mining), What Cheer, Ia.

4069-70— Drills (Tap)

Ampco Twist Drill & Tool Co., 18th & Howard, Detroit, Mich.
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O *See adv index at end of book*
Detroit Twist Drill Co., 555 Fort, Detroit, Mich.
Greenfield Tap & Die Corp., Greenfield, Mass.
Morse Twist Drill & Machine Co., ("Morse"), New Bedford, Mass.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Ryerson Jos. T. & Son, Inc. ("Ryerson-Forged"), 2558 W. 16th, Chicago, Ill.
See adv index at end of book
Standard Tool Co., 6700 Central av, Cleveland, O.
Union Twist Drill Co., Athol, Mass.

Drills (Twist, High Speed & Carbon Steel)

Note.—For manufacturers of various kinds of twist drills, see sub-classifications of this heading, following in their regular alphabetical order. See also Augers, Awls, Bits, Flat Drills and Reamers. For classification numbers, see Index to Trade Classifications.

4071— Bit Stock Twist Drills

American Twist Drill & Tool Co., W. Jefferson av & 21st, Detroit, Mich.
Ampco Twist Drill & Tool Co. ("Ampco"), 18th & Howard, Detroit, Mich.
Brady F. A., Inc., 30 Church, New York
CLEVELAND TWIST DRILL CO., 1 E 49th, Cleveland, Ohio
See adv index at end of book
Greenfield Tap & Die Corp. (Lincoln Twist Drill Div.) ("Pioneer," "Lincoln"), Taunton, Mass.
Moore & Moore, Inc. (Dirs), H Colonial Trust bldg, Reading, Pa.
Morse Twist Drill & Mach. Co. ("Morse"), New Bedford, Mass.
Republic Tool & Mfg. Co., 1401 W. 9th, Cleveland, O.
Rich Steel Products Co. ("R. S. P."), Dept. H, Battle Creek, Mich.
Syracuse Twist Drill Co. ("Syracuse"), 936H Grape, Syracuse, N. Y.
Whitman & Barnes Mfg. Co. ("Hercules," "Diamond" & "W. & B."), Akron, O.
See adv index at end of book

4071a— Bonding Twist Drills

American Steel & Wire Co., 208 Sa. La Salle, Chicago, Ill.
See adv index at end of book
American Twist Drill & Tool Co., W. Jefferson av & 21st, Detroit, Mich.
Ampco Twist Drill & Tool Co. ("Ampco"), 18th & Howard, Detroit, Mich.
CLEVELAND TWIST DRILL CO., 1 E 49th, Cleveland, Ohio
See adv index at end of book
Coulter Mfg. Co., Inc., 259 Austin, Buffalo, N. Y.
Latrobe Tool Co. ("Latrobe"), Latrobe, Pa.
Moore & Moore, Inc. (Dirs), H Colonial Trust bldg, Reading, Pa.
Morse Twist Drill & Mach. Co., New Bedford, Mass.
Rich Steel Products Co. ("R. S. P."), Battle Creek, Mich.
Whitman & Barnes Mfg. Co., Akron, O.
See adv index at end of book

4071b— Center Twist Drills

Ampco Twist Drill & Tool Co. ("Ampco"), 18th & Howard, Detroit, Mich.
Cleveland Twist Drill Co., 1 E. 49th, Cleveland, O *See adv index at end of book*
Detroit Twist Drill Co. ("Graham"), 2103 Fort W, Detroit, Mich.
Moore & Moore, Inc. (Dirs), H Colonial Trust bldg, Reading, Pa.
Morse Twist Drill & Mach Co. ("Morse"), New Bedford, Mass.
National Twist Drill & Tool Co. ("National"), Detroit, Mich.
Pratt & Whitney, Hartford, Conn.
See adv index at end of book
Republic Tool & Mfg. Co., 1401 W. 9th, Cleveland, O.
Slocumb, J. T. Co., 35 Oxford, Providence, R. I.
Standard Tool Co., 6700 Central av, Cleveland, O.
Union Twist Drill Co., Athol, Mass.
Whitman & Barnes Mfg. Co., Akron, O.
See adv index at end of book

4071c— Coes 5/8" Shank Twist Drills

American Twist Drill & Tool Co., W Jefferson av & 21st, Detroit, Mich.
Ampco Twist Drill & Tool Co. ("Ampco"), 18th & Howard, Detroit, Mich.
Latrobe Tool Co. ("Latrobe"), Latrobe, Pa.
Moore & Moore Inc. (Dirs), H Colonial Trust bldg, Reading, Pa.
Morse Twist Drill & Mach. Co. ("Morse"), New Bedford, Mass.

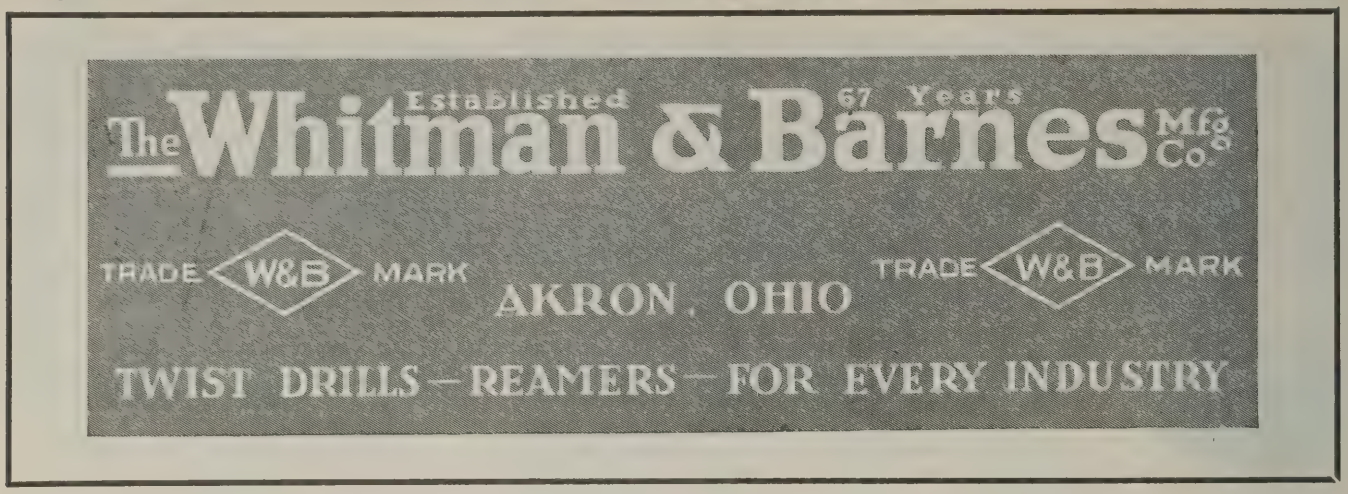
4072— Jobbers Twist Drills

Ampco Twist Drill & Tool Co. ("Ampco"), 18th & Howard, Detroit, Mich.
Brady F. A., Inc., 30 Church, New York
Latrobe Tool Co. ("Latrobe"), Latrobe, Pa.
Moore & Moore, Inc. (Dirs), H Colonial Trust bldg, Reading, Pa.
Morse Twist Drill & Mach. Co. ("Morse"), New Bedford, Mass.
Rich Steel Products Co. ("R. S. P."), Battle Creek, Mich.
Whitman & Barnes Mfg. Co., Akron, O.
See adv index at end of book

4072a— Letter Sizes Twist Drills

Allen W. D. Mfg. Co., 566 W. Lake, Chicago, Ill.
American Twist Drill & Tool Co., W. Jefferson av & 21st, Detroit, Mich.
Ampco Twist Drill & Tool Co. ("Ampco"), 18th & Howard, Detroit, Mich.
Detroit Twist Drill Co. ("Graham"), 2103 Fort W., Detroit, Mich.
Blancke A. C. & Co., 116 S. Michigan av, Chicago, Ill.
Boker H. & Co. ("Novo Superior"), 101 Duane, New York
Brady F. A. ("Tabrady"), 30 Church, New York
Buckeye Twist Drill Co., Alliance, O.
Clark Equipment Co. ("Celfor"), Buchanan, Mich.
Cleveland Twist Drill Co., 1 E. 49th, Cleveland, O.
See adv index at end of book
COLONIAL SUPPLY CO., 217 Water, Pittsburgh, Pa.
See adv index at end of book
Colton Arthur Co., 2600 Jefferson av E, Detroit, Mich.
Davidson Tool Mfg. Corp., 12 Maiden la, New York
Detroit Twist Drill Co., 555 Fort W, Detroit, Mich.
Down Tool Works, Fleetwood, Pa.
Ebstein Bros. ("Gladium" Imp.), 11 Cliff, New York
Etna Co., Taunton, Mass.
Frick & Lindsay Co., Sandusky & Robinson, Pittsburgh, Pa.
Ketler-Elliott Co. ("Metoco"), 21st & California, Chicago, Ill.

(Continued on following page)



Letter Sizes Twist Drills—Continued

Latrobe Tool Co. ("Latrobe"), Latrobe, Pa.
Moore & Moore, Inc. (Dirs), H Colonial Trust bldg, Reading, Pa.
Morse Twist Drill & Mach. Co. ("Morse"), New Bedford, Mass.
National Twist Drill & Tool Co. ("National"), Detroit, Mich.
New Process Twist Drill Co., Taunton, Mass.
Pratt & Whitney, Hartford, Conn.
Republic Tool & Mfg. Co., 1401 W. 9th, Cleveland, O.
Rich Steel Products Co., Battle Creek, Mich.
Rockford Twist Drill Co., Rockford, Ill.
Rogers H. A. Co., 87 Walker, New York
See adv index at end of book
Ryerson Jos. T. & Son, Inc., 2558 W. 16th, Chicago, Ill. *See adv index at end of book*
Standard Tool Co., 6700 Central av, Cleveland, O.
Syracuse Twist Drill Co. ("Syracuse"), 936H Grape, Syracuse, N. Y.
Tool Salvage Co., 407 Fort, E. Detroit, Mich.
Union Twist Drill Co., Athol, Mass.
Ward Tool & Forging Co., Latrobe, Pa.
WHITMAN & BARNES MFG. CO., Akron, O. *See adv index at end of book*

4072b— Oil Twist Drills

American Twist Drill & Tool Co., W. Jefferson av & 21st, Detroit, Mich.
Brady F. A. Inc., 30 Church, New York
Buckeye Twist Drill Co., Alliance, Ohio
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O *See adv index at end of book*
Latrobe Tool Co. ("Latrobe"), Latrobe, Pa.
Morse Twist Drill & Mach. Co. ("Morse"), New Bedford, Mass.
Whitman & Barnes Mfg. Co., Akron, O.
See adv index at end of book

4072c— Prentice ½" Shank Twist Drills

Alvord Reamer & Tool Co. ("X-Cel"), Millersburg, Pa.
American Twist Drill & Tool Co., W Jefferson av & 21st, Detroit, Mich.
Ampco Twist Drill & Tool Co. ("Ampco"), 18th & Howard, Detroit, Mich.
Brady F. A. Inc., 30 Church, New York
Latrobe Tool Co. ("Latrobe"), Latrobe, Pa.
Moore & Moore Inc. (Dirs), H Colonial Trust bldg, Reading, Pa.
Morse Twist Drill & Mach. Co. ("Morse"), New Bedford, Mass.

4072d— S & D 1/2" Shank Twist Drills

Ampco Twist Drill & Tool Co. ("Ampco"), 18th & Howard, Detroit, Mich.
Latrobe Tool Co. ("Latrobe"), Latrobe, Pa.
Moore & Moore Inc. (Dirs), H Colonial Trust bldg, Reading, Pa.
Morse Twist Drill & Mach. Co. ("Morse"), New Bedford, Mass.

4073—Straight Shank Taper Length Twist Drills

Alvord Reamer & Tool Co. ("X-Cel"), Millersburg, Pa.
American Twist Drill & Tool Co., W. Jefferson av & 21st, Detroit, Mich.
Ampco Twist Drill & Tool Co. ("Ampco"), 18th & Howard, Detroit, Mich.
Blancke A. C. & Co., 116 S. Michigan av, Chicago, Ill.
Boker H. & Co., Inc. ("Novo Superior"), 101 Duane, New York
Brady F. A., Inc. ("Fabrady"), 30 Church, New York
Buckeye Twist Drill Co., Alliance, O.
Clark Equipment Co. ("Celfor"), Buchanan, Mich.
CLEVELAND TWIST DRILL CO. ("Mezzo" Carbon High Speed), Cleveland, O.
See adv index at end of book
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Colton Arthur Co., 2600 Jefferson av E, Detroit, Mich.
Coulter Mfg. Co., Inc., 259 Austin, Buffalo, N. Y.
Davidson Tool Mfg. Corp., 13 Maiden la, New York
Detroit Twist Drill Co. ("Graham"), 2108 Fort W., Detroit, Mich.
Down Tool Works, Fleetwood, Pa.
Ebstein Bros. ("Gladium" Imp.), 11 Cliff, New York
Etna Co., Taunton, Mass.
Frick & Lindsay Co., Sandusky & Robinson, Pittsburgh, Pa.
Ketler-Elliott Co. ("Ketoco"), 21st & California, Chicago, Ill.
Latrobe Tool Co. ("Latrobe"), Latrobe, Pa.
Moore & Moore Inc. (Dirs), H Colonial Trust bldg, Reading, Pa.
Morse Twist Drill & Mach. Co. ("Morse"), New Bedford, Mass
National Twist Drill & Tool Co. ("National"), Detroit, Mich.
See adv index at end of book
New Process Twist Drill Co., Taunton, Mass
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Republic Tool & Mfg. Co., 1401 W. 9th, Cleveland, O.
Rich Steel Products Co. ("R. S. P."), Battle Creek, Mich.
Rockford Twist Drill Co., Rockford, Ill.
Rogers H. A. Co., 87 Walker, New York
See adv index at end of book
Ryerson Jos. T. & Son. Inc., 2558 W. 16th. Chicago, Ill. *See adv index at end of book*
Standard Tool Co., 6700 Central av, Cleveland, O.
Syracuse Twist Drill Co. ("Syracuse"), 936H Grape, Syracuse, N. Y.
Union Twist Drill Co., Athol, Mass.
Ward Tool & Forging Co., Latrobe, Pa.
WHITMAN & BARNES MFG. CO., Akron O. *See adv index at end of book*

4073a— 3 & 4 Groove Twist Drills

American Machine Products Co., 18th, Detroit, Mich.
American Twist Drill & Tool Co., W. Jefferson av & 21st, Detroit, Mich.
Brady F. A. Inc., 30 Church, New York
Buckeye Twist Drill Co., Alliance, Ohio
Detroit Reamer & Tool Co., 803 E. Congress, Detroit, Mich.
Latrobe Tool Co. ("Latrobe"), Latrobe, Pa.
Moore & Moore Inc. (Dirs), H Colonial Trust bldg, Reading, Pa.
Morse Twist Drill Co. ("Morse"), New Bedford, Mass.
Rich Steel Products Co. ("R. S. P."), Battle Creek, Mich.
Union Twist Drill Co., Athol, Mass.
Whitman & Barnes Mfg. Co., Akron, O.
See adv index at end of book

4073b—Taper Shank Twist Drills

American Twist Drill & Tool Co., W. Jefferson av & 21st, Detroit, Mich.
Ampco Twist Drill & Tool Co. ("Ampco"), 18th & Howard, Detroit, Mich.
Blancke A. C. & Co., 116 S. Michigan av, Chicago, Ill.
Boker H. & Co., Inc. ("Novo Superior"), 101 Duane, New York
Brady F. A., Inc. ("Fabrady"), 30 Church, New York
Buckeye Twist Drill Co., Alliance, O.
Clark Equipment Co. ("Celfor"), Buchanan, Mich.
CLEVELAND TWIST DRILL CO. ("Mezzo" Carbon Highspeed), 1 E 49th, Cleveland, Ohio
See adv index at end of book
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Colton Arthur Co., 2600 Jefferson av E, Detroit, Mich.
Coulter Mfg. Co., Inc., 259 Austin, Buffalo, N. Y.
Davidson Tool Mfg. Corp., 13 Maiden la, New York
Detroit Twist Drill Co. ("Graham"), 2108 Fort W., Detroit, Mich.
Down Tool Works, Fleetwood, Pa.
Ebstein Bros. ("Gladium" Imp.), 137 Duane, New York
Etna Co., Taunton, Mass.
Frick & Lindsay Co., Sandusky & Robinson, Pittsburgh, Pa.
Ketler-Elliott Co. ("Ketoco"), 21st & California, Chicago, Ill.
Latrobe Tool Co. ("Latrobe"), Latrobe, Pa.
Moore & Moore Inc. (Dirs), H Colonial Trust bldg, Reading, Pa.
Morse Twist Drill & Mach. Co. ("Morse"), New Bedford, Mass.
National Twist Drill & Tool Co. ("National"), Detroit, Mich.
New Process Twist Drill Co., Taunton, Mass.
Pratt & Whitney Co., Hartford, Conn.
Republic Tool & Mfg. Co., 1401 W. 9th, Cleveland, O.
Rich Steel Products Co. ("R. S. P."), Battle Creek, Mich.
Rockford Twist Drill Co., Rockford, Ill.
Rogers H. A. Co., 87 Walker, New York
Ryerson Jos. T. & Son, Inc. ("Ryerson-Forged"). 2558 W. 16th, Chicago, Ill.
See adv index at end of book
Standard Tool Co., 6700 Central av, Cleveland, O.
Syracuse Twist Drill Co. ("Syracuse"), 936H Grape, Syracuse. N. Y.
Tool Salvage Co., 407 Fort, E. Detroit, Mich.
Union Twist Drill Co., Athol, Mass.
Ward Tool & Forging Co., Latrobe, Pa.
WHITMAN & BARNES MFG. CO., Akron, O. *See adv index at end of book*

4073c— Track Twist Drills

American Twist Drill & Tool Co., W. Jefferson av & 21st, Detroit, Mich.
Ampco Twist Drill & Tool Co. ("Ampco"), 18th & Howard, Detroit, Mich.
Brady F. A. Inc., 30 Church, New York
Chicago Railway Signal & Supply Co., 122H S Michigan av, Chicago, Ill.
Cleveland Twist Drill Co., 1 E. 49th, Cleveland, O *See adv index at end of book*
Crerar Adams & Co. ("Calumet"), 259 E Erie, Chicago, Ill.
Latrobe Tool Co. ("Latrobe"), Latrobe, Pa.
Moore & Moore Inc. (Dirs), H Colonial Trust bldg, Reading, Pa.
Morse Twist Drill & Mach. Co. ("Morse"), New Bedford, Mass.
Republic Tool & Mfg. Co., 1401 W. 9th, Cleveland, O.
Rich Steel Products Co. ("R. S. P."), Battle Creek, Mich.
WHITMAN & BARNES MFG. CO., Akron, O. *See adv index at end of book*

4073d—Wire Gauge Twist Drills

American Twist Drill & Tool Co., W. Jefferson av & 21st, Detroit, Mich.
Ampco Twist Drill & Tool Co. ("Ampco"), 18th & Howard, Detroit, Mich.
Brady F. A. Inc., 30 Church, New York
Buckeye Twist Drill Co., Alliance, Ohio
Colton Arthur Co., 2500 E. Jefferson, Detroit, Mich.
Latrobe Tool Co. ("Latrobe"), Latrobe, Pa.
Moore & Moore Inc. (Dirs), H Colonial Trust bldg, Reading, Pa.
Morse Twist Drill & Mach. Co. ("Morse"), New Bedford, Mass.
Rich Steel Products Co. ("R. S. P."), Battle Creek, Mich.
Ward Tool & Forging Co., Latrobe, Pa.
Whitman & Barnes Mfg. Co., Akron, O.
See adv index at end of book
End of Drills (Twist, High Speed & Carbon Steel)

Drills (Universal)

See Drilling Machines, Universal Radial

Drills (Upright)

See Drilling Machines, Vertical

4074— Drills (Wagon)

Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book

4075—Drills & Bits (Electricians')

See also Drills, Hammer, Brick & Stone
American Plaster Drill Co., 122 Troop av, New York
Ampco Twist Drill & Tool Co. ("Ampco"), 18th & Howard, Detroit, Mich.
Bagshaw & Field, 445 N 5th, Phila., Pa.
Cincinnati Tool Co. ("Hargraves"), Main & Waverly av, Cincinnati, Ohio
CLEVELAND TWIST DRILL CO., 1 E 49th, Cleveland, Ohio
See adv index at end of book
Daugherty-Smith-Phillips Co., 502 W Division, Chicago, Ill.
Detroit Twist Drill Co., 555 Fort, Detroit, Mich. *See adv index at end of book*
Deuse J. S. (Bits & Gimlets), Chester, Conn.
Diamond Expansion Bolt Co., 89 West, New York. *See adv index at end of book*
Dicke Tool Co., Downers Grove, Ill.
Forest City Bit & Tool Co., Rockford, Ill.
Greenfield Tap & Die Corp, Greenfield, Mass.
Greenlee Bros. & Co., 12th, Rockford, Ill.
Ives W. A. Mfg. Co. ("Mephisto"), Wallingford, Conn.
Jennings C. E. & Co., 71 Murray, New York
Kraeuter & Co. (For Brick & Stone), 583 18th av, Newark, N. J.
Lebanon Mach. Co., Lebanon, N. H.
Mayhew H. H. Co., Shelburne Falls, Mass.
Millers Falls Co., Millers Falls, Mass.
Moore & Moore Inc. (Dirs), H Colonial Trust bldg, Reading, Pa.
Morse Twist Drill & Machine Co., ("Morse"), New Bedford, Mass.
Nat. Twist Drill & Tool Co., Brush nr E Grand blvd, Detroit, Mich.
Pugh Job T., 31st & Ludlow, Phila, Pa.
SMITH & HEMENWAY CO., INC. ("Red Devil"), 261 H B'way, New York, & 130 H Colt, Irvington, N. J.
See adv index at end of book
Snell Mfg. Co., Fiskdale, Mass.
Standard Tool Co., 6700 Central av, Cleveland, O.
Star Bit & Tool Co. (Wood Working), Rockford, Ill.
Star Expansion Bolt Co., 147 Cedar, New York
Stortz John & Son, 210 Vine, Phila., Pa.
Swan James Co., Seymour, Conn.
Syracuse Twist Drill Co. ("Syracuse"), 936H Grape, Syracuse, N. Y.
Union Twist Drill Co., Athol, Mass.
Whitman & Barnes Mfg. Co., Akron, O.
See adv index at end of book
Wisconsin Electric Co. ("Dumore"), 1602 Junction av, Racine Wis.

4076—Drills & Listers Combined

Gale Mfg. Co. (Riding & Walking), Albion, Mich.
Moline Plow Co. ("Puritan" Walking, "Tri Belle," & "Western Belle" Riding), Moline, Ill.
Racine-Sattley Co., Springfield, Ill.
Rock Island Plow Co. ("Rock Island"), Rock Island, Ill.

Drinking Cups

See Cups, Drinking, Collapsible; also Cups, Paper

4077—*Drinking Water Systems

AUDIFFREN REFRIGERATING MACHINE CO., 2211 West St. bldg, New York *See adv index at end of book*

4078— Drips (Gauge Cock)

Knapp Mfg. & Supply Co., 241 Water, New York

4079-80— Drivers (Bolt)

Armstrong Bros. Tool Co. ("Armstrong"), 339 N Francisco av, Chicago, Ill.

4081—Drivers (Coopers' Hoop)

Drew C. & C., Kingston, Mass.
Piqua Handle & Mfg. Co. (Wood), P. O. Box 307, Piqua, O.
Stanley Rule & Level Co. (Atha Div.), New Britain, Conn.
Stortz John & Son, 210 Vine, Phila., Pa.
Stossel Carl & Sons Co., Front Royal, Va.
White L. & I. J. Co. (Solid Steel, Also Hickory Wood), 130 Columbia, Buffalo, N. Y.

4082-3-4— Drivers (Staple)

McIntire & Co., Port Chester, N. Y.
SMITH & HEMENWAY CO., INC., 261 H B'way, New York, & 130 H Colt, Irvington, N. J.
See adv index at end of book
Snyder Mfg. Co. ("Snyder G. & A." Stud), 852 Lafayette blvd W., Detroit, Mich.

Drives (Chain)

See Chains, Power Transmission

4085—Drives (Chain, for Dryers)

Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W. Pershing rd, Chicago, Ill.
See adv index at end of book
Union Chain & Mfg. Co., Sandusky, Ohio

4086— Drives (Gear)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
CALDWELL & SON CO., H. W. (Worm), 1700 S Western av, Chicago, Ill.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Hindley Gear Company, 1105 Frankford av, Phila., Pa. *See adv index at end of book*
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W. Pershing rd, Chicago, Ill.
See adv index at end of book
Magneto Attachment Co. ("Matco"), 3608 Park av, New York
Mesta Machine Co., P. O. Box 1124, Pittsburgh, Pa.
Treadwell Engineering Co., Easton, Pa.
See adv index at end of book

4086a—Drives (Gear, Helical Cut)

MESTA MACHINE CO., Box 1124, Pittsburgh, Pa.
See adv index at end of book

4086b— Drives (Power)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book

4087— Drives (Rope)

Allis-Chalmers Mfg. Co. (Manila & Wire), Milwaukee, Wis.
See adv index at end of book
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Caldwell W. E. Co., Louisville, Ky.
Cresson-Morris Co., Allegheny & 18th, Phila., Pa.
Dodge Mfg. Corp., Mishawaka, Ind.
Hill Clutch Machine & Foundry Co., W 65th, Cleveland, Ohio
Howe Scale Co. of Illinois, 1222 S. Wabash av, Chicago, Ill.
LINK-BELT COMPANY, 300 W. Pershing rd, Chicago, Ill.
See adv index at end of book
Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.
Stephens-Adamson Mfg. Co., Aurora, Ill.
Strait H. N. Mfg. Co. (Vertical or Horizontal), Kansas City, Kan.
Treadwell Engineering Co., Easton, Pa.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book
Wolf Co., Chambersburg, Pa.
Wood's T. B. Sons Co., Chambersburg, Pa.

4087a— Drives (Silent Chain)

See also Chains, Power Transmission

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Link-Belt Company, 300 W. Pershing rd, Chicago, Ill. *See adv index at end of book*
MORSE CHAIN CO., Ithaca, N. Y.
See adv index at end of book

4087b— Drives (Special)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book

4088—*Drives (Speedometer & Taximeter)

Breeze Metal Hose & Mfg. Co. ("Fle-X-Met"), 250 South av, Newark, N. J.
Webb Mfg. Co., 245-247 N. J. R. R. Av, Newark, N. J.

4088a—*Drives (Top Roll, for Roughing Mills)

AETNA FOUNDRY & MACHINE CO. (The) (for Balanced Sheet and Jobbing Roughing Mills), Warren, Ohio

4089— Drop Black

Binney & Smith Co., 41 E 42d, New York
Doggett Stanley (Imp.), 11 Cliff, New York
Fergusson Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Osborn C. J. Co. (Imported), 132 Nassau, New York
Reichard-Coulston Co. (Imp.), 95 Madison av, New York
Seaver & Co., 120 Milk, Boston, Mass.
Siemon & Eiting, 99 Nassau, New York
Smith J. Lee & Co. (Imported), 19 Jacob, New York
Uhlich Paul & Co., 11 Cliff, New York

4090— Droppers (Medicine)

Packer-Stearns & Co. (Glass, Rubber Bulb), 286 Sheffield av, Brooklyn, N. Y.
Raley Rubber Co., Riverton, Conn.
Tyer Rubber Co. (Glass, Rubber Bulb), Andover, Mass.

4091—Drops (Package & Letter)

Champion Hardware Co. ("Champion"), Geneva, O.
Eagle Lock Co., Terryville, Conn.
Highton Wm. & Sons Co., Nashua, N. H.

4092— Drops & Pins

Auer John, Jr. (Japanned on Plates with Staples, or with Screw Eyes, 197 Middleton, Brooklyn, N. Y.

4093— Dross (Metal)

BELMONT SMELTING & REFINING WORKS, INC. (Buyers and Sellers all kinds), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book
Chicago Smelting & Refining Co., 25th & Loomis, Chicago, Ill.
Eagle Smelting & Refining Works, 238 B'way, New York
Hanshart Max, 262 Front, New York
Indiana Steel & Wire Co., Muncie, Ind.
Loraine Smelting & Refining Co., 25 N. Dearborn, Chicago, Ill.
Maryland Brass & Metal Works, Dept H Calvert & Federal, Baltimore, Md.
Nassau Smelting & Refining Works, 607 W. 29th, New York
Smith Morton B. Co., 241 Front, New York
Union Smelting & Refining Co., St. Charles, Newark, N. J.

Drug Store Fixtures

See Store & Bar Fixtures

4093a— Drugs

See also Specific Headings

C. P. Chemical & Drug Co., Inc., 114-118 Liberty, New York
Fergusson Alex C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Hopkins J. L. & Co. (Crude), 135 William, New York
National Aniline & Chemical Co., Inc., 40 Rector, New York
Penick S. B. & Co., Inc. (Crude, Dirs.), 115 Fulton, New York

Drums (Barking)

See Wood Barking Machines

4094-5— Drums (Brake)

Am. Tube & Stamping Co. (Automobile), Dept. H, 471 Hancock, Bridgeport, Conn.
Bossert Corporation, The (Pressed Steel for Automobiles, Motor Trucks, Tractors, etc.), cor. Linden & West av, Utica, N. Y.
Buffalo Pressed Steel Co., 800 Kensington av, Buffalo, N. Y.
Chicago Steel Foundry Co., 3701 Kedzie av, Chicago, Ill.
Commercial Shearing & Stamping Co., Youngstown, Ohio
Crosby Co., 183 Pratt, Buffalo, N. Y.
Detroit Pressed Steel Co., 6660 Mt Elliott, Detroit, Mich.
Federal Pressed Steel Co., Keefe av & N. Pierce, Milwaukee, Wis.
Gier Pressed Steel Co., Lansing, Mich.
Globe Machine & Stamping Co. (Pressed Steel), Cleveland, O.
Hydraulic Pressed Steel Co., 3152 E. 61st, Cleveland, O.
Kelsey Wheel Co., 3600 Military av, Detroit, Mich.
Kennedy Van Saun Mfg. & Eng. Corp. (For Loaded Cars & Skips), 50 Church, New York
See adv index at end of book
Muncie Gear Works ("Muncie"), Muncie, Ind.
Neustad Auto & Supply Co., 3200 Locust, St. Louis, Mo.
Niles Steel Products Co. (Pressed Steel for Automotive Vehicles), Niles, Ohio
See adv index at end of book
Pettis W. W. Co., 416 First Nat'l Bank bldg, Cincinnati, Ohio
Pressed Steel Co., N Penn av, Wilkes-Barre, Pa.
Roybestos Co., Bridgeport, Conn.
Sharon Pressed Steel Co. ("Sharon" for Automobiles), Sharon, Pa.
Transure & Williams Steel Forging Corp., Alliance, Ohio
WORCESTER PRESSED STEEL CO., ("Presteel"), Worcester, Mass.
See adv index at end of book
Youngstown Pressed Steel Co. (For Automobiles), Warren, Ohio
See adv index at end of book
Zeigler Mfg. Co., Alexandria, Ind.

4096—Drums (Glycerine & Oil)

International Package Co., Inc. (Jobbers), 19 Moore, New York
Western Steel Products Co. (Oil Only, All Kinds), New Duluth, Minn.

HACKNEY STEEL DRUMS

Specifications:

	1310	1455	1655	1633	1833	110I	141H	161H
Capacity	110 gal.	55 gal.	55 gal.	33 gal.	33 gal.	110 gal.	55 gal.	55 gal.
Gauge	No. 13	No. 14	No. 16	No. 16	No. 18	No. 14	No. 14	No. 14
Weight—Black	152	78	70	46	39	152	94	86
Galvanized	168	86	78	51	45	168	102	94
I.C.C. Specifications	5 B	5	5 B	5	5 B	5	5	5
Rolling Hoops	Rolled in Shell	Rolled in Shell	Rolled in Shell	Rolled in Shell	Rolled in Shell	I Bar	I Bar	I Bar
Longitudinal Seam	Welded	Welded	Welded	Welded	Welded	Welded	Welded	Welded

All Hackney Drums comply with I. C. C. Specifications for packages in their class. Head seams are brass brazed. Openings are forged steel, dip brazed. Galvanizing is by the hot dip process.

Detailed descriptive catalog on request

PRESSED STEEL TANK COMPANY

West Allis MILWAUKEE, WIS.

Drums (Hoisting)

See Engines, Hoisting, also Engines, Hoisting, Contractors

4096a— *Drums (Holding or Counterweight)

Hayward, 50 Church, New York
See adv index at end of book

HAYWARD BUCKETS
DIGGING MACHINERY
THE HAYWARD COMPANY
50 CHURCH STREET NEW YORK

4097— Drums (Incline)

(Incline Drums & Machinery)

Dobbie Foundry & Machine Co. (Gravity), Niagara Falls, N. Y.
See adv index at end of book
Helmick Foundry & Machine Co., Fairmount, W. Va.
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
Phillips Mine & Mill Supply Co., 2227 Jane, Pittsburgh, Pa.
Sanford-Day Iron Works (Sheave & Spool), Knoxville, Tenn.
Savage W. J. Co. (Gravity), Knoxville, Tenn.
South Side Foundry & Machine Works, Charleston, W. Va.
Stine J. C. Co., Tyrone, Pa.

4098— Drums (Iron)

Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, O.
See adv index at end of book
DU PONT E. I. DE NEMOURS & CO., INC., Salvage & Reclamation Div. (Shipping, etc.), Wilmington, Del.
See adv index at end of book
International Package Co., Inc. (Jobbers), 11 Water, New York
Toledo Steel Barrel Co., Toledo, Ohio
United Lead Co. (Lead Lined Acid Proof), 111 B'way, New York

4098a— *Drums (Magnetic)

DINGS MAGNETIC SEPARATOR CO., 616 Smith, Milwaukee, Wis.
MAGNETIC MFG. CO., 279 23rd av, Milwaukee, Wis.
See adv index at end of book

4099— Drums (Malting)

Galland-Henning Mfg. Co. (Pneumatic), 26th av & Montana, Milwaukee, Wis.
See adv index at end of book

4100—Drums (Pneumatic Sanding)

Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Redin, Ekstrom & Co., Rockford, Ill.
See adv index at end of book

4100a— Drums (Recording)

4101—Drums (Rope Driving)

CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Dodge Mfg. Corp., Mishawaka, Ind.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
POOLE ENGINEERING & MACHINE CO., Baltimore, Md.
See adv index at end of book
Vulcan Iron Works, Wilkes-Barre, Pa.
Woonsocket Machine & Press Co., Woonsocket, R. I.

4102— Drums (Sand)

Cummer F. D. & Son Co. (For Asphalt Plants), H, Hanna bldg, Cleveland, O.
Roberts & Schaefer Co. ("Tyrone" Automatic), 1110 Wrigley bldg, Chicago, Ill.

4103—Drums (Steam or Mud)

East Jersey Pipe Corp., Paterson, N. J.
Manitowoc Engineering Works, Manitowoc, Wis.
Murray Iron Works Co., Burlington, Ia.
Petroleum Iron Works Co. of Ohio, Sharon, Pa.
See adv index at end of book
Walsh & Weidner Boiler Co., Chattanooga, Tenn.

4104— Drums (Steel)

American Steel Package Co. (Shipping), Defiance, Ohio
Atlas Steel Barrel Corp., 90 West, New York
Boyle Mfg. Co. ("Boyco"), 5100 Santa Fe av, Los Angeles, Cal.
Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Geuder, Paeschke & Frey Co. (16 Gauge, 18, 20, 22, 24, 26, 28, 30 and as light as 31 Gauge), 13-14 1790 St Paul av, Milwaukee, Wis. *See adv index at end of book*
International Package Co. Inc. (Jobbers), 19 Moore, New York
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
PETROLEUM IRON WORKS CO. OF OHIO ("Presteel"), Sharon, Pa.
See adv index at end of book
Pressed Steel Products Co., Sharon, Pa.
PRESSED STEEL TANK CO. (Seamless), 58th & Greenfield av, West Allis, Milwaukee, Wis.
See adv index at end of book
Republic Steel Package Co., 7930 Jones rd, Cleveland, O.
Scaife, Wm. B. Sons & Co., 1st Nat'l Bank bldg, Pittsburgh, Pa. & 26 Cortlandt, New York *See adv index at end of book*
Stevens Metal Products Co., 115 to 175 Gail, Niles, O.
Wheeling Steel Corp. (Agitator Friction Top), Wheeling, W. Va.

Drums (Steel Shipping)

See Barrels, Steel Shipping

Drums (Vacuum Drying)

See Dryers, Vacuum

4105— Drums (Wax Chilling)

Bethlehem Shipbuilding Corp., Ltd. (Scale), Dept H Broadhead & Parker av, Bethlehem, Pa.
Moore Sam'l L. & Sons, Elizabeth, N. J.

Drums (Welded)

See Cylinders, Welded

4106— Drums (Winding)

See also Pneumatic Winding Drums

American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept H 14th & State, Chicago Heights, Ill.
American Road Machinery Co., Kennett Square, Pa.
Bonnot Co., Canton, O.
Dodge Mfg. Corp., Mishawaka, Ind.
LIDGERWOOD MFG. CO., 96 Liberty, New York
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Potts C. & A. Co., Indianapolis, Ind.
Steele J. C. & Sons, Statesville, N. C.

Dry Colors

See Color Manufacturers

4107—Dry Docks (Steel, Floating)

American Bridge Co., 30 Church, New York
Bethlehem Steel Co., So. Bethlehem, Pa.
Dravo Contracting Co., 1100 Diamond Bank bldg, Pittsburgh, Pa.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book

4108—Dry Docks & Marine Railways

See also Shipbuilders

ALABAMA.

MOBILE—Alabama Dry Dock & Shipbuilding Co.
Henderson Shipbuilding Co.
Murnan Ship Bldg. Corp.

CALIFORNIA.

ALAMEDA—De Young, A. W., ft Chestnut
General Engng. & Dry Dock Co., Inc.
LONG BEACH—Craig Shipbuilding Co. (floating 3,500 ton), ft Water
OAKLAND—Crowley Launch & Tugboat Co., (300 to 1000), ft 14th av
Hannlon Dry Dock & Shipbuilding Co.
Moore Dry Dock Co., foot Adeline
SAN FRANCISCO—Hall Bros. Marine Railway & Shipbuilding Co. (Marine Railway), 312 California
Moore Dry Dock Co., Balfour bldg
Pacific Shipyards & Ways Co., 24 California
South San Francisco Dock Co.
Twigg John & Sons, 694 Illinois
SAN PEDRO—Los Angeles Shipbuilding & Dry Dock Co.

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NEW LONDON—Davidson W. H.
New London Marine & Iron Works
NOANK—Palmer Robt. & Son Ship Bldg & Marine Ry. Co.

DELAWARE.

WILMINGTON—Pusey & Jones Co. (Marine Railway)

FLORIDA.

JACKSONVILLE — Merrill Stevens Dry Dock & Repair Co.
TAMPA—Tampa Steam Ways Co.

GEORGIA.

SAVANNAH—Rourke John & Sons

ILLINOIS.

CHICAGO—Chicago Ship Building Co. (Dry Docks), 101st & Calumet River

INDIANA.

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SLIDELL—Slidell Dry Dock & Ship Building Co.

MAINE.

PORTLAND—Portland Shipbuilding Co.
ROCKLAND—Snow I. L. & Co.

MARYLAND.

BALTIMORE — Bethlehem Shipbuilding Corp. Ltd., Baltimore Drydock Plant, Ft. East Fort av
Booz Bros., 815 Key Highway
Cahill W. S. Co., Key Highway & Webster
Chesapeake Marine Railway Co., Philpot cor. Point
Marine Engine & Boiler Co., Philpot & Point
Reeder Oliver & Son, Key Highway & Covington
Spedden Ship Building Co., Boston & Kenwood
Woodall Wm. E. & Co., ft of Woodall

MASSACHUSETTS.

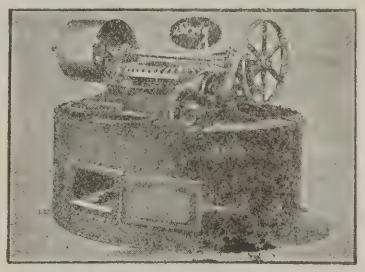
BOSTON—Atlantic Works, 80 Border, E B
Lawler Bros., 16 City sq, Chtn
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.
Simpson's Dry Dock Co., E B



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Tell us what kind of material you want to dry; what quantity per hour; the initial moisture content and the desired dryness of the product. Then we'll tell you which dryer will exactly meet your requirements.



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CHARLEVOIX—Washburn O. S. & Son
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Detroit Shipbuilding Co. (Dry Docks) ft. Orleans
Dupuis A. J. Co., Ford bldg
Griffin M. J., 169 Stanton av
HOUGHTON—Croze Jos.

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Lankford Robt.
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JERSEY CITY—Brown Dry Dock Co., ft Morris
Burt & Mitchell Co., ft Morris
Vulcan Iron Works, Inc., Hudson & Essex
KEYPORT—Keyport Dry Dock Co.
PERTH AMBOY—Perth Amboy Dry Dock Co.
Raritan Dry Dock Co.
WEEHAWKEN—Union Dry Dock & Repair Co.

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Riley's Dry Dock Co., ft Mechanic
GREENPORT—Greenport Basin & Const Co.
KINGSTON—Hiltebrant Conrad Dry Dock Co.

NEW YORK CITY.

Borough of Brooklyn

BROOKLYN—Clinton Dry Dock Inc., Ft. Clinton
Crane's Theo. A. Sons Co., ft Columbia
Erie Basin Dry Dock, ft of Beard & Long Dock
Morse Dock & Repair Co. (Wood Floating Dry Docks Only
New York Dry Dock & Repair Co., Erie Basin
Robins Dry Dock & Repair Co., Beard
Telo Yacht Basin Co., Ft 24th

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NEW YORK—American Car & Foundry Co., 165 B'way
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McAllister Dry Dock & Shipyard Co., 24 State
McWilliams Frank, 1 B'way
Newport News Shipbuilding & Dry Dock Co. (Dry Docks Only), 233 B'way
Robins Dry Dock & Repair Co., 25 Broadway
Shewan Jas. & Son, 1 B'way
Tregarthen Jas & Sons Co., ft 7th, E R

Borough of Richmond.

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WEST NEW BRIGHTON—McAllister Dry Dock & Shipyard Co., Rich. ter
National Dry Dock & Repair Co.

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RYE—Milton Boat Works (Marine Rys)

NORTH CAROLINA.

WILMINGTON—Skinner Louis H.

OHIO.

CLEVELAND — American Ship Building Co., ft. of W 54th
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SANDUSKY—Lake Erie Dry Dock & Mill Co.
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Toledo Shipbuilding Co. (Ship Bldrs.)
Gilmore Bros.

OREGON

ASTORIA—Astoria Marine Iron Works

PENNSYLVANIA.

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PITTSBURGH—Dravo Contracting Co., 1100 Diamond Bank bldg

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PROVIDENCE—Providence Dry Dock & Marine Railway Co., E Providence

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GALVESTON—Galveston Wharf. Co.
International Creosoting & Construction Co.

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Norfolk Shipbuilding & Dry Dock Corp., Argyle av
PORTSMOUTH—Portsmouth Marine Ry

WASHINGTON.

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SEATTLE—Ballard Marine Railway Co. Inc., Ft. Shilshole & 24th av N W
Campbell Robert & Bros. (Marine Ways), 3421 13th av S W
Hefferman Dry Dock Co., 701 Harbor
King & Winge Ship Building Co., 2231 E Marginal Way
Marine Construction Co., 4100 Iowa
Seattle Shipbuilding & Dry Dock Co., King St. Dock
Todd Dry Dock, Inc.
Winslow Marine Railway & Ship Building Co.
TACOMA—Todd Dry Dock & Constr. Co.
WINSLOW—D. W. Hortzell, Inc.
Winslow Marine Railway & Ship Building Co.

WISCONSIN.

MANITOWOC — Manitowoc Shipbuilding Co. (Gravity & Floating Dry Docks)
MILWAUKEE—Milwaukee Dry Dock Co., ft. of Washington
SUPERIOR—Superior Ship Building Co.

4108a—*Dryer & Calcining Apparatus

American Process Co., 68 William st, New York, N. Y.
BARTLETT, C. O. & SNOW CO., French, Cleveland, Ohio
See adv index at end of book
Combustion Utilities Corp., 8-10 Bridge, New York
Surface Combustion Co., The, 334 Gerard, Bronx, New York
See adv index at end of book

4109— Dryers (Argol)

Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Kalamazoo Sheet Metal Mfg. Co., Kalamazoo, Mich.

4109a—Dryers (Asbestos Board)

Fergusson, Alex. O. Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Geiger Iron Works, Scotts av & Union, Stockton, Cal.
Proctor & Schwartz Inc., 7th & Tabor rd, Philadelphia, Pa.
See adv index at end of book

Dryers (Asbestos Rock)

See Dryers, Cement & Asphalt

4109a1— Dryers (Asphalt)

See also Dryers, Cement & Asphalt
American Process Co., 68 William st, New York, N. Y.
Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.
Cummer F. D. & Son Co., H, Hanna bldg, Cleveland, O.

4109b—Dryers (Atmospheric Direct Heat)

BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

4109c—*Dryers (Atmospheric Drum)

BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

4109d—Dryers (Atmospheric Rotary)

Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Bentz Engineering Corp., 90 West, New York
BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.

4109e—Dryers (Atmospheric Vacuum)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

4110— Dryers (Beet Pulp)

American Blower Co., 6604 Russell, Detroit, Mich.
American Process Co., 68 William st, New York, N. Y.
Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
BARTLETT & SNOW CO., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Bentz Engineering Corp., 90 West, New York
Buckeye Dryer Co., 243 North High, Columbus, Ohio
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.
Hiller Stanley, Inc., 369 Pine, San Francisco, Cal.
Jackson & Church Co., Saginaw, Mich.

(Continued on following page)

Dryers (Beet Pulp)—Continued

KUTZTOWN FOUNDRY & MACHINE CO., 1421 Chestnut, Phila., Pa.
See adv index at end of book

Manitowoc Engineering Works, Manitowoc, Wis.

4110a—*Dryers (Bone Black)

Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book

Buffalo Foundry & Machine Co., Buffalo, N. Y. *See adv index at end of book*

Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.

Grinnell Co., Inc., 275 W Exchange, Providence, R. I.

4111— Dryers (Brick & Clay)

See also Kilns, Dry

Am. Blower Co., 6004 Russell, Detroit, Mich.

American Process Co. (Clay), 68 William, New York, N. Y.

Atlas Engineering Co., Amherst, O.

Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.

BARTLETT & SNOW CO., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book

BAYLEY MFG. CO., 766 Greenbush, Milwaukee, Wis.

BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book

Boss J. C. Engineering Co. ("Boss Ten Hour"), Dept. H, Elkhart, Ind.

Buckeye Dryer Co., Inc., Railway Exchange bldg, Chicago, Ill.

Buffalo Foundry & Machine Co. (Clay), 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.

Cummer F. D. & Son Co., H, Hanna bldg, Cleveland, O.

Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book

Grinnell Co., Inc., 275 W Exchange, Providence, R. I.

Hadfield-Penfield Steel Co. (The), Bucyrus, O. *See adv index at end of book*

International Clay Machinery Co., Dayton, Ohio

Jeffrey Mfg. Co., 961 N Fourth, Columbus, O.
See adv index at end of book

Kutztown Foundry & Machine Co., 1421 Chestnut, Phila., Pa.
See adv index at end of book

McDermott Bros. Co., Allentown, Pa.

Manufacturers Equipment Co. ("Justice"), Dayton, O.

New York Blower Co., Archer av & Canal, Chicago, Ill. Works: Bucyrus, O.

Phila. Drying Machinery Co. ("Hurricane," Clay & Porcelain), 3351 Stokley, Phila., Pa.

PROCTOR & SCHWARTZ, INC. ("Proctor"), 7th & Tabor rd, Phila., Pa.

Ruggles Coles Engineering Co. ("Ruggles-Coles"), 120 B'way, New York

Standard Dry Kiln Co., Harding & Belt, Indianapolis, Ind.

4112—Dryers (Cement & Asphalt)

Allis-Chalmers Mfg. Co. (Cement, Lime, Plaster, etc.), Milwaukee, Wis.
See adv index at end of book

American Blower Co., 6004 Russell, Detroit, Mich.

American Process Co., 68 William st, New York, N. Y.

Atlas Engineering Co. (Asphalt), Amherst, O.

Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.

Barber Asphalt Co. ("Iroquois"), Land title bldg, Phila., Pa.

BARTLETT & SNOW CO., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.

Clarage Fan Co., North & Porter, Kalamazoo, Mich.
See adv index at end of book

Cummer F. D. & Son Co., H, Hanna bldg, Cleveland, O.

Darby Boiler Works, 226 Queirolo, Los Angeles, Cal.

DOVER BOILER WORKS. Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*

KUTZTOWN FOUNDRY & MACHINE CO., 1421 Chestnut, Phila., Pa.
See adv index at end of book

McDermott Bros. Co. (Asphalt), Allentown, Pa.

Madsen Iron Works, 5529 Bicket, Huntington Park, Cal.

Manitowoc Engineering Works, Manitowoc, Wis.

Ruggles Coles Engineering Co. ("Ruggles-Coles"), 120 B'way, New York

Smith Theo. & Sons Co., ft Essex, Jersey City, N. J.

Sterritt-Thomas Foundry Co., 32d & Smallman. Pittsburgh, Pa.

Traylor Engng. & Mfg. Co., Allentown, Pa.

Variety Iron & Steel Works Co., Hamilton av & E 40th, Cleveland, O.

Vulcan Iron Works, Wilkes-Barre, Pa.

4113—Dryers (Centrifugal, Metal Parts)

Am. Blower Co., 6004 Russell, Detroit, Mich.

American Tool & Machine Co. ("Weston" for Drying Small Pieces that have been Coated, Japanned, Painted, Dipped, Plated or Washed), 10 High, Boston, Mass.

Astle H. J. & Co. ("Boland"), 118 Orange, Providence, R. I.

Elmore G. H. (Continuous), Wesley bldg, Phila., Pa.

LINK-BELT COMPANY ("Wendell," Centrifugal Coal Dryers), 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

Pusey & Jones, H, Poplar, Wilmington, Del.

Smith Richardson Co. ("Richardson" for Small Metal Parts), Attleboro, Mass.

Tolhurst Machine Works, Troy, N. Y.

4113a— Dryers (Chemical)

American Blower Co., 6004 Russell, Detroit, Mich.

American Process Co., 68 William, New York, N. Y.

Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.

Bentz Engineering Corp., 90 West, New York

Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book

Buckeye Dryer Co., Inc., Railway Exchange bldg, Chicago, Ill.

Buffalo Foundry & Mach. Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

CHEMICAL DRYERS

BUFFLOVAK

VACUUM AND ATMOSPHERIC

Vacuum Drum, Rotary and Shelf Dryers. Atmospheric Single and Double Drum. Rotary Hot Air Dryers.

BUFFALO FOUNDRY & MACHINE CO.
65 Winchester Avenue, Buffalo, N. Y.

Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.

Drying Systems, Inc., 11 S. Desplaines, Chicago, Ill.

Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book

Grinnell Co., Inc., 275 W Exchange, Providence, R. I.

Phila. Drying Machinery Co., 3351 Stokley, Philadelphia, Pa.

PROCTOR & SCHWARTZ, INC. ("Proctor"), 7th & Tabor rd, Phila., Pa.

Scott Ernest & Co. ("Scott"), Fall River, Mass.

4114— Dryers (Chicory)

American Process Co., 68 William st, New York, N. Y.

Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

Cummer F. D. & Son Co., H, Hanna bldg, Cleveland, O.

Manitowoc Engineering Works, Manitowoc, Wis.

Scott Ernest & Co. ("Scott"), Fall River, Mass.

4114a— Dryers (China)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

Grinnell Co., Inc., 275 W Exchange, Providence, R. I.

Proctor & Schwartz, Inc. ("Proctor"), 7th & Tabor rd, Phila., Pa.

4115—Dryers (Coal, Sand, Etc.)

Allis Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book

American Process Co., 68 William, New York, N. Y.

Amsler-Morton Co., Fulton bldg, Pittsburgh, Pa.

BARTLETT & SNOW CO., C. O., 6350 Harvard, Cleveland, O.
See adv index at end of book

Buckeye Dryer Co., Inc., Railway Exchange bldg, Chicago, Ill.

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.

Cummer F. D. & Son Co., H, Hanna bldg, Cleveland, O.

French Oil Mill Machinery Co., Piqua, O.

Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book

KUTZTOWN FOUNDRY & MACHINE CO., 1421 Chestnut, Phila., Pa.
See adv index at end of book

LINK-BELT CO. ("Wendell," Centrifugal, Coal), 329 W 39th, Chicago, Ill., Hunting Park av & P. & R Ry, Phila, Pa.
See adv index at end of book

McDermott Bros. Co., Allentown, Pa.

Manitowoc Engineering Works, Manitowoc, Wis.

Mashek Engineering Co., 90 West, New York

Reeves Bros. Co., Alliance, O.
See adv index at end of book

Ruggles Coles Engineering Co. ("Ruggles-Coles"), 120 B'way, New York

Snow T. W. Construction Co., 332 S. La Salle st, Chicago, Ill.

Stearns-Roger Mfg. Co., 1720 California, Denver, Colo.

Stockton Iron Works, Lindsay & Harrison, Stockton, Cal.

Townsend Fdry. & Mach. Shop Co., Broadway & Rensselaer, Albany, N. Y.
See adv index at end of book

Traylor Engng. & Mfg. Co., Allentown, Pa.

Treadwell Construction Co., Midland, Pa.

4116— Dryers (Coffee)

Adt Jno. B. Co., 340 No Holliday, Baltimore, Md.

Baker Edw. J. & Co., 608 Otis Bldg, Chicago, Ill.

Blymyer Iron Works Co., Cincinnati, O.

BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

Clarage Fan Co., North & Porter, Kalamazoo, Mich.
See adv index at end of book

Devine J. P. Co., 1372 Clinton, Buffalo, N. Y.

Gordon Engng. Corp., 21 E 40th, New York

Hiller Stanley, Inc., 369 Pine, San Francisco, Cal.

Scott Ernest & Co. (("Scott"), Fall River, Mass.

Squier, Geo. L., Mfg. Co., Buffalo, N. Y.

4116a— Dryers (Concentrating)

American Process Co., 68 William st, New York, N. Y.

Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book

Buckeye Dryer Co., 243 N High, Columbus, Ohio

BUFFALO FOUNDRY & MACHINE CO., 65 Winchester, Buffalo, N. Y.
See adv index at end of book

Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.

Fleischer W. L. & Co., Inc., 31 Union sq, W, New York

Ruggles Coles Engineering Co. ("Ruggles-Coles"), 120 B'way, New York

Scott Ernest & Co. ("Scott"), Fall River, Mass.

4117— Dryers (Cylindrical)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book

American Process Co., 68 William st, New York, N. Y.

Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book

BIGGS BOILER WORKS CO., Case av. & Williams, Akron, O.
See adv index at end of book

Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

Cummer F. D. & Son Co., H, Hanna bldg, Cleveland, O.

Hiller Stanley, Inc., 369 Pine, San Francisco, Cal.

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

Manitowoc Engineering Works, Manitowoc, Wis.

Mashek Engineering Co., 90 West, New York

Scott Ernest & Co. (("Scott"), Fall River, Mass.

4117a— Dryers (Drum)

American Process Co., 68 William st, New York

Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book

BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

Devine J. P. Co., Dept H, 1372 Clinton, Buffalo, N. Y.

Sleeper O. S. & Co., Inc., White bldg, Buffalo, N. Y.

4117b— *Dryers (Extract)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

Grinnell Co., Inc., 275 W Exchange, Providence, R. I.

4118— Dryers (Feed)

See also Dryers Meal

American Process Co., 68 William, New York, N. Y.
Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
Buckeye Dryer Co., 243 N. High, Columbus, Ohio
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.
Cummer F. D. & Son Co., H Hanna bldg, Cleveland, O.

4119—Dryers (Fertilizer, Glue, Etc.)

Adt Jno. B. Co., 340 No Holliday, Baltimore, Md.
American Blower Co., 6004 Russell, Detroit, Mich.
American Process Co., 68 William, New York, N. Y.
ANDERSON V. D. CO. ("Anderson" 1 & 3 Cylinder), W 96th, Cleveland, O.
See adv index at end of book
Atlas Dryer Co., Hickox bldg, Cleveland, Ohio
Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
Barney Ventilating Fan Works (A. B. Franklin, Prop.), 19 Chardon, Boston, Mass.
BARTLETT & SNOW CO., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
BAYLEY MFG. CO., 766 Greenbush, Milwaukee, Wis.
Black-Clawson Co., Hamilton, O.
Brecht Co. ("Brecht" Fertilizer), 1201 Cass av, St. Louis, Mo.
BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Cambridge Iron Works ("Campbell"), Cambridge, Mass.
Christie L. R. Co., 501 Peoples Bank bldg. Pittsburgh, Pa.
Combustion Utilities Corp., 8-10 Bridge, New York
Cummer F. D. & Son Co., H, Hanna bldg, Cleveland, O.
Devine J. P. Co., 1372 Clinton, Buffalo, N. Y.
Hamler Boiler & Tank Co., Dept H W. 66th & S. 60th av, Chicago, Ill.
Hammond Engineering Co., Warren, Pa.
Hiller Stanley, Inc., 369 Pine, San Francisco, Cal.
KUTZTOWN FOUNDRY & MACHINE CO., 1421 Chestnut, Phila., Pa.
See adv index at end of book
McDermott Bros. Co., Allentown, Pa.
Manitowoc Engineering Works, Manitowoc, Wis.
Pioneer Boiler & Machine Works, 1226 Palmetto, Los Angeles, Cal.
Proctor & Schwartz Inc. ("Proctor"), 7th & Tabor rd, Phila., Pa.
Renneburg E. & Sons Co., 2639 Boston & Baltimore, Md.
Ruggles Coles Engineering Co. ("Ruggles-Coles"), 120 B'way, New York
Schofield's J. S. Sons Co., Macon, Ga.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Sterritt-Thomas Foundry Co., 32d & Smallman, Pittsburgh, Pa.
Vulcan Iron Works, Inc., Hudson & Essex, Jersey City, N. J.

4119a— *Dryers (Fish Scrap)

See also Dryers, Fertilizer
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

4120—Dryers for Concentrates

Baker Edw J. & Co., 608 Otis bldg, Chicago, Ill.
Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.
Cummer F. D. & Son Co., H, Hanna bldg, Cleveland, O.
Traylor Engrg. & Mfg. Co., Allentown, Pa.
Worthington Pump & Machy. Corp., 115 B'way, New York

4120a—Dryers (Fruit & Vegetable)

American Blower Co., 6004 Russell, Detroit, Mich.
Bentz Engineering Corp., 90 West, New York
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Chapman F. C., 1135 13th, Modesto, Cal.
Combustion Utilities Corp., 8-10 Bridge, New York
Geijsbeek Engineering Co., Burke bldg, Seattle, Wash.
Proctor & Schwartz Inc. (Fruit), 7th & Tabor rd, Phila., Pa.
Progressive Dehydrater Co., Loew bldg, San Francisco, Cal.
Stebler Parker Co., Inc. (Fresh Fruits), 171 9th, Riverside, Cal.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

THE SURFACE COMBUSTION CO.

Dryers with their requirements of definite heating rate can be most economically heated by the automatic proportioning equipment. Turn on the gas, the air takes care of itself, with correct combustion.

THE SURFACE COMBUSTION CO.
334 Gerard Avenue Bronx, N. Y.

4121— Dryers (Garbage)

American Process Co., 68 William, New York, N. Y.
ANDERSON V. D. CO. ("Anderson," Also Tankage), W 96th, Cleveland, O.
See adv index at end of book
Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Buckeye Dryer Co., Inc., Railway Exchange bldg, Chicago, Ill.
BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.
Cummer F. D. & Son Co., H, Hanna bldg, Cleveland, O.
Hiller Stanley, Inc., 369 Pine, San Francisco, Cal.
KUTZTOWN FOUNDRY & MACHINE CO., 1421 Chestnut, Phila., Pa.
See adv index at end of book
Manitowoc Engineering Works, Manitowoc, Wis.
Renneburg E. & Sons Co., 2639 Boston & Baltimore, Md.
Ruggles Coles Engineering Co. ("Ruggles-Coles"), 120 B'way, New York
Scott Ernest & Co. ("Scott"), Fall River, Mass.

4122—Dryers (Grain & Malt)

Adt Jno. B. Co., 340 No Holliday, Baltimore, Md.
American Blower Co., 6004 Russell, Detroit, Mich.
American Process Co., 68 William, New York, N. Y.
Atlas Engineering Co. (Grain Dryers) Amherst, O.
Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
Barnard & Leas Mfg. Co., Moline, Ill.
BARTLETT & SNOW CO., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.
Clarage Fan Co., North & Porter, Kalamazoo, Mich.
See adv index at end of book
Cresson-Morris Co., Allegheny & 18th, Phila., Pa.
Cummer F. D. & Son Co., H, Hanna bldg, Cleveland, O.
Devine J. P. Co. (Grain), 1372 Clinton, Buffalo, N. Y.
Ellis Drier & Elevator Co., 1223 S Talman av, Chicago, Ill.
French Oil Mill Machinery Co. (Grain Only), Piqua, O.
GALLAND-HENNING MFG. CO., 26th av & Montana, Milwaukee, Wis.
See adv index at end of book
Gerken J. D. Co. ("Toledo" Grain), Toledo, Ohio
Hess Warming & Ventilating Co. (Pneumatic System), 1211 S Western, Chicago, Ill.
Howes S. Co., Inc. (Grain, Corn & Wheat), Silver Creek, N. Y.
Invincible Grain Cleaner Co. ("Invincible"), Silver Creek, N. Y.
Louisville Drying Machine Co. (Distillers & Brewers Dryers), Louisville, Ky.
Manitowoc Engineering Works, Manitowoc, Wis.
Renneburg E. & Sons Co., 2639 Boston & Baltimore, Md.
Ruggles Coles Engineering Co. ("Ruggles-Coles"), 120 B'way, New York
Sprout Waldron & Co., Muncy, Pa.
See adv index at end of book
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Worrell S. E., Hannibal, Mo.

Dryers (Hair, Process)

See Hair Dryers, Electric

4123— Dryers (Hat)

Proctor & Schwartz Inc. (Felt & Straw), 7th & Tabor rd, Phila., Pa.

4124—Dryers (Hoof or Bone)

American Process Co., 68 William, New York, N. Y.
ANDERSON V. D. CO. ("Anderson"), W 96th, Cleveland, O.
See adv index at end of book
BARTLETT & SNOW CO., C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.
Cummer F. D. & Son Co., H, Hanna bldg, Cleveland, O.
KUTZTOWN FOUNDRY & MACHINE CO., 1421 Chestnut, Phila., Pa.
See adv index at end of book
McDermott Bros. Co., Allentown, Pa.
Manitowoc Engineering Works, Manitowoc, Wis.
Ruggles Coles Engineering Co. ("Ruggles-Coles"), 120 B'way, New York
Scott Ernest & Co. ("Scott"), Fall River, Mass.

4124a—Dryers (Indirect Heat)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

4125—Dryers (Jacketed Cylindrical)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
ANDERSON V. D. CO. ("Anderson"), W 96th, Cleveland, O.
See adv index at end of book
Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
BARTLETT & SNOW CO., C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.
Devine J. P. Co., 1372 Clinton, Buffalo, N. Y.
KUTZTOWN FOUNDRY & MACHINE CO., 1421 Chestnut, Phila., Pa.
See adv index at end of book
Lebanon Boiler Works, Harrison bldg. Phila., Pa.
Manitowoc Engineering Works, Manitowoc, Wis.
Renneburg E. & Sons Co., 2639 Boston & Baltimore, Md.

4126— Dryers (Kaolin)

American Process Co., 68 William st, New York, N. Y.
Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.
Cummer F. D. & Son Co., H, Hanna bldg, Cleveland, O.
Manitowoc Engineering Works, Manitowoc, Wis.

4127— Dryers (Laboratory)

Bentz Engineering Corp., 90 West, New York
BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Proctor & Schwartz, Inc., 7th & Tabor rd, Phila, Pa.

Dryers (Laundry)

See Clothes Dryers—(Hot Air, Steam, etc.)

4128— Dryers (Leaf Tobacco)

Adt Jno. B. Co. (For Manufactured Tobacco), 340 No Holliday, Baltimore, Md.
American Blower Co., 6004 Russell Detroit, Mich.
Bentz Engineering Corp., 90 West, New York
Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.
Comas Machine Co. ("Perfection"), Salem, Va.
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
Hiller Stanley, Inc., 369 Pine, San Francisco, Cal.

(Continued on following page)

Dryers (Leaf Tobacco)—Continued

Littleford Bros., 444 E Pearl, Cincinnati, Ohio *See adv index at end of book*
Phila. Drying Machinery Co., 3351H Stokley, Philadelphia, Pa.
PROCTOR & SCHWARTZ, INC. ("Proctor"), 7th & Tabor rd, Phila., Pa.

4128a—Dryers (Leather)

See also Leather Drying Machines
BALEY MFG. CO., 766 Greenbush, Milwaukee, Wis.

4129—Dryers (Leather Scrap)

Am. Blower Co, (Leather Only), 6004 Russell, Detroit, Mich.
American Process Co., 68 William, New York, N. Y.
BARTLETT & SNOW CO., C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
Bayley Mfg. Co., 732 Greenbush, Milwaukee, Wis. *See adv index at end of book*
Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.
Cummer F. D. & Son Co., H, Hanna bldg, Cleveland, O.
Hiller Stanley, Inc., 369 Pine, San Francisco, Cal.
McDermott Bros. Co., Allentown, Pa.
Manitowoc Engineering Works, Manitowoc, Wis.
PROCTOR & SCHWARTZ, INC. ("Proctor"), 7th & Tabor rd, Phila., Pa.
Ruggles Coles Engineering Co. ("Ruggles-Coles"), 120 B'way, New York

4129a— Dryers (Lime)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Process Co., 68 William st, New York, N. Y.
Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.
Cummer F. D. & Son Co., H, Hanna bldg, Cleveland, O.
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book

4129b— Dryers (Lower)

KENNEDY-VAN SAUN MFG. & ENG. CORP., 50 Church, New York
See adv index at end of book

4129c—Dryers (Lumber)

Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
Chapman F. C., 1135 13th, Modesto, Cal.
Henderson Drying Equipment Co., 283 Holland, Syracuse, N. Y.
See adv index at end of book
Proctor & Schwartz Inc., 7th & Tabor rd, Phila., Pa.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.

Dryers (Malt)

See Dryers, Grain & Malt

4130— Dryers (Meal)

Adt Jno. B. Co., 340 No Holliday, Baltimore, Md.
American Blower Co., 6004 Russell, Detroit, Mich.
American Process Co., 68 William st, New York, N. Y.
Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
BARTLETT & SNOW CO., C. O. (Meal & Feed), 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Cummer F. D. & Son Co., H, Hanna bldg, Cleveland, O.
Decatur F'dry., Furnace & Mach. Co., Decatur, Ind.
Ellis Drier Co., 1223 S Talman av, Chicago, Ill.
French Oil Mill Machinery Co., Piqua, O.
Great Western Mfg. Co., Leavenworth, Kans.
Hiller Stanley, Inc., 369 Pine, San Francisco, Cal.
Manitowoc Engineering Works, Manitowoc, Wis.
Worrell S. E., Hannibal, Mo.

MILK DRYERS
BUFFLOVAK
Vacuum Dryers for producing dry milk powders and malted milk.
Buttermilk Dryers and Evaporators.
BUFFALO FOUNDRY & MACHINE CO.
65 Winchester Avenue, Buffalo, N. Y.

4131—*Dryers (Milk, Vacuum)

BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Krenz Oscar Copper & Brass Works, 612 Bryant, San Francisco, Cal.

4132— Dryers (Mold)

American Blower Co., 6004 Russell, Detroit, Mich.
Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
Hanna Engineering Wks., 1764 Elston av, Chicago, Ill.
MacLeod Co. (Founders), 2227 Bogen, Cincinnati, Ohio.
See adv index at end of book
Proctor & Schwartz, Inc., 7th & Tabor rd, Philadelphia, Pa.
See adv index at end of book

4132a— Dryers (Nitrate of Soda)

American Process Co., 68 William st, New York, N. Y.
BARTLETT & SNOW CO., C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.
Cummer F. D. & Son Co., H, Hanna bldg, Cleveland, O.

4133— Dryers (Ore)

Allis Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Process Co., 68 William, New York, N. Y.
Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
BARTLETT & SNOW CO., C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
Bethlehem Shipbuilding Corp., Ltd., 20th & Michigan, San Francisco, Cal.
Brainard Patent Pulverizer Co., Old Colony bldg, Chicago, Ill.
Buckeye Dryer Co., Inc., Railway Exchange bldg, Chicago, Ill.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.
Cummer F. D. & Son Co., H, Hanna bldg, Cleveland, O.
Denver Engineering Works Co., Denver, Colo.
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
McDermott Bros. Co., Allentown, Pa.
Manitowoc Engineering Works, Manitowoc, Wis.
Mine & Smelter Supply Co., 42 B'way, New York
Ruggles Coles Engineering Co. ("Ruggles-Coles"), 120 B'way, New York
Sutton Steele & Steele, Inc. ("S. S. & S." for Dry Concentration), Dallas, Texas
Traylor Engrg. & Mfg. Co., Allentown, Pa.
Worthington Pump & Machy. Corp. (Revolving, etc), 115 B'way, New York

4133a—Dryers (Organic & Inorganic Material)

American Process Co., 68 William st, New York, N. Y.
Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
Buckeye Dryer Co., Inc., Railway Exchange bldg, Chicago, Ill.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.
Hiller Stanley, Inc., 369 Pine, San Francisco, Cal.
Rockwell W. S. Co., 50 Church, New York
See adv index at end of book

4133b— Dryers (Paper)

Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Baker Edw J. & Co., 608 Otis bldg, Chicago, Ill.
Sturtevant B. F. Co. ("Sturtevant," for Paper Absorption on Machines, also Paper Coated), 15 Damon, Hyde Park, Boston, Mass.

4134—Dryers (Paper Mill, Etc.)

See also Paper & Pulp Mill Machinery
BAYLEY MFG. CO., 766 Greenbush, Milwaukee, Wis.
Black-Clawson Co. (Dbl. & 3 Deck, Rim, etc), Hamilton, Ohio
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.
Cummer F. D. & Son Co., H, Hanna bldg, Cleveland, O.
Locke Regulator Co. ("Locke" Steam Digester Regulators), Salem, Mass.
Proctor & Schwartz, Inc., 7th & Tabor rd, Philadelphia, Pa.
Rice, Barton & Fales Inc., 65 Taintor, Worcester, Mass.
Scott Ernest & Co. ("Scott"), Fall River, Mass.

Dryers (Pebble)

See Sand & Gravel Heaters & Dryers

4134a—Dryers (Pharmaceutical)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

4134b—Dryers (Reclaimed Plaster)

BARTLETT & SNOW CO., C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.
Cummer F. D. & Son Co., H, Hanna bldg, Cleveland, O.

Dryers (Revolving)

See Dryers, Rotary & Revolving

4135—Dryers (Rock, Phosphate)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Process Co., 68 William, New York, N. Y.
Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
Buckeye Dryer Co., Inc., Railway Exchange bldg, Chicago, Ill.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.
Cummer F. D. & Son Co., H, Hanna bldg, Cleveland, O.
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Manitowoc Engineering Works, Manitowoc, Wis.
Pittsburg Conveying Machinery Co., 4th & Duquesne wy, Pittsburgh, Pa.
Ruggles Coles Engineering Co. ("Ruggles-Coles"), 120 B'way, New York
Schofield's J. H. Sons Co., Hammond & Edgewood av, Macon, Ga.
Traylor Engng. & Mfg. Co., Allentown, Pa.

4135a—*Dryers (Rotary Hot Air)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

ROTARY HOT AIR DRYERS
BUFFLOVAK
Direct and Indirect Heat Types
Dryers of special size and material built to order.
BUFFALO FOUNDRY & MACHINE CO.
65 Winchester Avenue, Buffalo, N. Y.

4136—Dryers (Rotary & Revolving)

Allis Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Process Co. (Direct Head Blast), 68 William St., N. Y.
BARTLETT & SNOW CO., C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
BUFFALO FOUNDRY & MACHINE CO. (Rotary), 65 Winchester av, Buffalo, N. Y. *See adv index at end of book*

BUFFLOVAK
Vacuum Rotary Dryers
Rotary Hot Air Dryers
BUFFALO FOUNDRY & MACHINE CO.
65 Winchester Avenue, Buffalo, N. Y.

Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.
Cummer F. D. & Son Co., H, Hanna bldg, Cleveland, O.
Devine J. P. Co., 1372 Clinton, Buffalo, N. Y.
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Hadfield-Penfield Steel Co. (The), Bucyrus, O. ***See adv index at end of book***
Hiller Stanley, Inc., 369 Pine, San Francisco, Cal.
Jackson & Church Co., Saginaw, Mich.
KENNEDY VAN SAUN MFG. & ENG. CORP. (Direct & Indirect—Direct Heat), 50 Church, New York
See adv index at end of book
Lancaster Iron Works ("Lancaster," Rotary Only), 500H Prince, Lancaster, Pa.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Littleford Bros. (Sand & Gravel), 444 E Pearl, Cincinnati, O.
See adv index at end of book
McDermott Bros. Co., Allentown, Pa.
Manitowoc Engng. Works, Manitowoc, Wis.
Massachusetts Blower Co., Watertown, Mass.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Rennesburg E. & Sons Co., 2639 Boston & Baltimore, Md.
Ruggles Coles Engineering Co. ("Ruggles-Coles"), 120 B'way, New York
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Stokes F. J. Machine Co., 6138 Tabor, Philadelphia, Pa.
Traylor Engrg. & Mfg. Co., Allentown, Pa.
United Iron Wks., Inc., Kansas City, Mo.
Variety Iron & Steel Works Co., Hamilton av & 40th, Cleveland, Ohio
Worrell S. E. ("Worrell's"), Hannibal, Mo.
Worthington Pump & Machy. Corp., 115 B'way, New York

4137— Dryers (Rubber)

American Process Co., 68 William, New York, N. Y.
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Cummer F. D. & Son Co., H, Hanna bldg, Cleveland, O.

4138— Dryers (Salt)

American Blower Co., 6004 Russell, Detroit, Mich.
American Process Co., 68 William st, New York, N. Y.
Atlas Engineering Co., Amherst, O.
Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
BARTLETT & SNOW CO., C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Buckeye Dryer Co., Inc., Railway Exchange bldg, Chicago, Ill.
BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.
Cummer F. D. & Son Co., H, Hanna bldg, Cleveland, O.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall st, New York. (See insert under Monel Metal)
See adv index at end of book
McDermott Bros. Co., Allentown, Pa.
Manitowoc Engineering Works, Manitowoc, Wis.
Philadelphia Drying Mach. Co., Stokley st, Philadelphia, Pa.
Reeves Bros. Co., Alliance O.
See adv index at end of book
Ruggles Coles Engineering Co. ("Ruggles-Coles"), 120 B'way, New York
Scott Ernest & Co. ("Scott"), Fall River, Mass.

Dryers (Sand)

See Sand & Gravel Heaters and Dryers; also Stoves, Sand Drying

4139— Dryers (Seed Corn)

Bain Bros. Mfg. Co. ("Peerless"), Cedar Rapids, Ia.
Bentz Engineering Corp., 90 West, New York
Clarage Fan Co., North & Porter, Kalamazoo, Mich.
See adv index at end of book
Clarke J. Q. Tank Co. ("Wizzard"), Crawfordsville, Ind.
National Mfg. Co. ("Ideal"), Des Moines, Ia.

4139a— Dryers (Shelf)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

VACUUM SHELF DRYERS
BUFFOVAK
Low temperature drying for materials that can be handled in pans or trays
BUFFALO FOUNDRY & MACHINE CO.
65 Winchester Avenue, Buffalo, N. Y.

Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
Proctor & Schwartz, Inc., 7th & Tabor rd, Philadelphia, Pa.
See adv index at end of book
Scott Ernest & Co. ("Scott"), Fall River, Mass.

4139b—Dryers (Shirt & Stocking)

BOGERT & HOPPER INC., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Paramount Hosiery Form Drying Co., 337 W Madison, Chicago, Ill.
PROCTOR & SCHWARTZ, INC., 7th & Tabor rd, Philadelphia, Pa.
See adv index at end of book

Dryers (Slack Lime)

See Dryers, Cement & Asphalt

4140— Dryers (Soap)

American Blower Co., 6004 Russell, Detroit, Mich.
Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Clarage Fan Co., North & Porter, Kalamazoo, Mich.
See adv index at end of book
PROCTOR & SCHWARTZ, INC. ("Proctor"), 7th & Tabor rd, Phila., Pa.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.

4140a—Dryers (Sodium-Benzol-Sulphonate)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
Scott Ernest & Co. ("Scott"), Fall River, Mass.

4141— Dryers (Starch)

Adt Jno. B. Co., 340 No Holliday, Baltimore, Md.
American Blower Co., 6004 Russell, Detroit, Mich.
American Process Co., 68 William st, New York, N. Y.
Baker Edw J. & Co., 608 Otis bldg, Chicago, Ill.
Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
BAYLEY MFG. CO., 766 Greenbush, Milwaukee, Wis.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.
Clarage Fan Co., North & Porter, Kalamazoo, Mich.
See adv index at end of book
Combustion Utilities Corp., 8-10 Bridge, New York
Cummer F. D. & Son Co., Hanna bldg, Cleveland, O.
Devine J. P. Co., Buffalo, N. Y.
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

4142— Dryers (Steam)

American Process Co., 68 William, New York, N. Y.
BARTLETT & SNOW CO., C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
Buckeye Dryer Co., 243 N. High, Columbus, Ohio
Buhl G. A. Co. ("Buhl" for Fluid Substances), 526 W 18th, Chicago, Ill.
Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.
Combustion Utilities Corp., 8-10 Bridge, New York
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
Proctor & Schwartz, Inc., 7th & Tabor rd, Philadelphia, Pa.
See adv index at end of book
Pusey & Jones (Cast Iron, All Sizes), H, Poplar, Wilmington, Del.
Reilly, Martin B. Co., Inc. (Pumice), 9 S. Clinton, Chicago, Ill.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

4142a— Dryers (Steam Coil)

Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.
Combustion Utilities Corp., 8-10 Bridge, New York
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
PROCTOR & SCHWARTZ, INC. ("Proctor"), 7th & Tabor rd, Phila., Pa.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Surface Combustion Co., The, 334 Gerard av, Bronx, N. Y.
See adv index at end of book

Dryers (Stocking)

See Dryers (Shirt & Stocking)

4142c— Dryers (Stone)

American Process Co., 68 William, New York, N. Y.
Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.
Cummer F. D. & Son Co., H, Hanna bldg, Cleveland, O.
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book

4142d— *Dryers (Sugar)

Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

4142e— Dryers (Tankage)

American Process Co., 68 William, New York, N. Y.
Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
Buckeye Dryer Co., 243 N. High, Columbus, Ohio
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.
Cummer F. D. & Son Co., H, Hanna bldg, Cleveland, O.
Scott Ernest & Co., ("Scott"), Fall River, Mass.
Vulcan Iron Works Inc., Hudson & Essex, Jersey City, N. J.

4143—Dryers (Tanners' Extract Chip)

American Process Co., 68 William st, New York, N. Y.
BARTLETT & SNOW CO., C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Cummer F. D. & Son Co., H, Hanna bldg, Cleveland, O.

4143a—Dryers (Tanning Extract)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

4144— Dryers (Textile)

BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Combustion Utilities Corp., 8-10 Bridge, New York
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
Phila. Drying Machinery Co., 3351 Stokley, Philadelphia, Pa.
PROCTOR & SCHWARTZ, INC., 7th & Tabor rd, Phila, Pa.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

Dryers (Tobacco)

See Dryers, Leaf Tobacco

4145— Dryers (Vacuum)

See also Vacuum Drying & Impregnating Apparatus
Allen & Billmyre Co. Inc. (Centrifugal and rotary vacuum producers), Grand Central Palace, New York
See adv index at end of book
Allen Engineering & Mfg. Co., Savannah, Ga.

(Continued on following page)

Dryers (Vacuum)—Continued

ANDERSON V. D. CO. ("Anderson"), W 96th, Cleveland, O.
See adv index at end of book

Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.

Braum-Knecht-Heiman Co. (Stokes), 576-584 Mission, San Francisco, Cal.

BUFFALO FOUNDRY & MACHINE CO. ("Buflovak" Vacuum Drum Dryers, Vacuum Rotary Dryers, Vacuum Shelf Dryers & Drying Sewage, Sludge, Garbage, etc.), 65 Winchester av, Buffalo, N. Y. *See adv index at end of book*

VACUUM DRYERS

BUFFLOVAK

Vacuum Drum, Rotary and Shelf Dryers

Low temperature safety drying for a wide range of delicate materials.

BUFFALO FOUNDRY & MACHINE CO.
65 Winchester Avenue, Buffalo, N. Y.

Devine J. P. Co. ("Emil Passburg" System, Drying & Impregnating Apparatus), 1372 Clinton, Buffalo, N. Y.

Hamler Boiler & Tank Co., Dept H W. 66th & S. 60th av, Chicago, Ill.

Hammond Engineering Co. (Rotary for Drying Sewage, Sludge, Garbage & Tankage. from Slaughter Houses), Warren, Pa.

Hubbard's Norman Sons (Drying & Impregnating Apparatus), 603 Dean, Brooklyn, N. Y.

Marshall Foundry Co., 28th & R. R., Pittsburgh, Pa.

Sleeper O. S. & Co., Inc., White bldg, Buffalo, N. Y.

Stokes F. J. Machine Co. (For Pharmaceutical Purposes), 6138 Tabor, Phila., Pa.

4145a—*Dryers (Vacuum Drum)

BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

VACUUM DRUM DRYERS

BUFFLOVAK

Certain—Safe—Economical—Continuous

For converting liquids into dry form

BUFFALO FOUNDRY & MACHINE CO.
65 Winchester Avenue, Buffalo, N. Y.

Cummer F. D. & Son Co., Superior Arcade, Cleveland, Ohio

4145b—*Dryers (Vacuum Rotary)

BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

4145c—*Dryers (Vacuum Shelf)

BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.

4146—Dryers (Varnish & Paint)

American Blower Co., 6004 Russell, Detroit, Mich.

Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.

Berry Bros., 211 Lieb, Detroit, Mich.

BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

Curtis-Hosey Dryer Co., Pyle bldg, 23rd & Chestnut, Philadelphia, Pa.

Drying Systems, Inc., 11 S. Desplaines, Chicago, Ill.

Hardy Paint & Varnish Co., Oakwood av & M. C. R.R., Toledo, O.

Henderson Drying Equipment Co., 283 Holland, Syracuse, N. Y.
See adv index at end of book

Hildreth Varnish Co., 90 West, New York

International Chemical Products Co., 330 Winston, Los Angeles, Cal.

Parker C. H. Co., Valparaiso, Ind.
See adv index at end of book

Patton Paint Co., Milwaukee, Wis.

Proctor & Schwartz, Inc., 7th & Tabor rd, Philadelphia, Pa.
See adv index at end of book

Sipe Jas. R. & Co., Bridgeville, Pa.

Wadsworth Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.

Young Bros. Co., 6500 Mack av, Detroit, Mich.

4147— Dryers (Veneer)

American Blower Co., 6004 Russell, Detroit, Mich.

BAYLEY MFG. CO., 766 Greenbush, Milwaukee, Wis.

Chapman F. C., 1135 13th, Modesto, Cal.

Henderson Drying Equipment Co., 283 Holland, Syracuse, N. Y.
See adv index at end of book

PROCTOR & SCHWARTZ, INC. ("Proctor"), 7th & Tabor rd, Phila., Pa.

REES BLOW PIPE MFG. CO. ("Perfection" Dryers), 340 7th, San Francisco, Cal., & 3636 S Alameda, Los Angeles, Cal.

4148— Dryers (Vertical)

BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

French Oil Mill Machinery Co., Piqua, O.

Fuller-Lehigh ("Randolph"), Fullerton, Pa.
See adv index at end of book

Traylor Engrg. & Mfg. Co., Allentown, Pa.

4149—Dryers (Waste Heating)

American Blower Co., 6004 Russell, Detroit, Mich.

American Process Co., 68 William st, New York, N. Y.

Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.

Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book

Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.

Clarage Fan Co., North & Porter, Kalamazoo, Mich.
See adv index at end of book

Cummer F. D. & Son Co., H, Hanna bldg, Cleveland, O.

Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book

Hadfield-Penfield Steel Co. (The), Bucyrus, O. *See adv index at end of book*

4150— Dryers (Wood Chip)

American Blower Co., 6004 Russell, Detroit, Mich.

American Process Co., 68 William st, New York, N. Y.

BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book

Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.

Cummer F. D. & Son Co., H, Hanna bldg, Cleveland, O.

Henderson Drying Equipment Co., 283 Holland, Syracuse, N. Y.
See adv index at end of book

Manitowoc Engineering Works, Manitowoc, Wis.

4150a— Drying Apparatus

BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.

4150b— Drying Apparatus (Cylinders, Rotary)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.

Drying Apparatus (Machinery)

See Drying Machinery

Drying Rooms

Hot Air & Gas

See Clothes Dryers, Steam, Hot Water,

4150c— *Duck (Enameled)

Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*

ENAMELED DUCK AND DRILL

for all purposes

R. A. HUMPHRYS' SONS
1026 Callowhill St. Phila., Pa.

4150d— *Duck (Hose and Belting)

Mt. Vernon Woodberry Mills Inc. ("Mt. Vernon"), 506 Continental bldg, Baltimore, Md.

4151— Duck (Oiled)

Brunsene Co., Stanley av, Watertown, Mass.

Chandler Oil Cloth & Buckram Co. ("Wild Duck"), Dept. H, East Taunton, Mass.

Daniels, C. R. Inc., 114-115 South, New York
See adv index at end of book

Hettrick Mfg. Co., Toledo, O.

Humphrys' R. A. Sons (Paraffined, etc.), 1026 Callowhill, Phila., Pa.
See adv index at end of book

Landers Bros. Co., Toledo, O.
Louis, Mo.

Textile Products Mfg. Co., 1332 Dolman, St. Louis, Mo.

4152-3-4—Dumb Bells & Quoits

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.

Bogert & Hopper Inc. (Wood), 57 Barclay, New York *See adv index at end of book*

Estes E. B. & Sons (Dumb Bells), 364 5th av, New York
See adv index at end of book

Grey Iron Casting Co. (Quoits Only), Mt. Joy, Pa.

Hellenberg J. B. Co. (Wood Dumb Bells Only), Coldwater, Mich.

Howell W. H. Co. (Dumb Bells Only), Geneva, Ill.

Indiana Foundry Co., Indiana, Pa.

Klumpp's Jno. G. Sons, 13 Baxter, New York

Kupferle Jno. C. Foundry Co., 1st & Wright, St. Louis, Mo.

Lodge Mfg. Co., South Pittsburg, Tenn.

Saginaw Wood Products Co. (Dumb Bells), Gaylord, Mich.

Sommer Jno. Faucet Co. (Wooden Dumb Bells), 30 Morris, Newark, N. J.

Spalding A. G. & Bros., 105 Nassau, New York

Sperry D. R. & Co., Batavia, Ill.

Swett A. L. Iron Works, Medina, N. Y.

Weller Hdw. & Foundry Co., Horseheads, N. Y.

Williams A. C. Co., Ravenna, O.

Withers Foundry & Machine Works, Atlanta, Ga.

Wrightsville Hardware Co., Wrightsville, Pa.

4155— Dumb Waiters

CALIFORNIA.

LOS ANGELES—Baker Iron Works, 950 N Broadway
Beckwith & Neely, 1339 Santa Fe av

COLORADO.

DENVER—Nock & Garside Elevator Co., (Electric), 1844 Wazel

CONNECTICUT.

NEW HAVEN—MacKenzie Geo. M., East & Water

ILLINOIS.

MOLINE—Montgomery Elevator Co.

INDIANA.

EVANSVILLE—International Steel & Iron Co.
Mesker Geo. L. & Co.

IOWA.

COUNCIL BLUFFS—Kimball Bros. Co., P O Box 154

KENTUCKY.

LOUISVILLE—Abell Elevator Co., 114 No. 8th

MARYLAND.

BALTIMORE—Bates Elevator Co., 311 Preston
Warsaw Elevator Co. (Steel), 111 Mercer

MASSACHUSETTS.

BOSTON—Beckwith Elevator Co., 123 Pearl
Brewer Elevator Co., 14 Bowker
Kimball C. E. & Son, 84 Battery March

MINNESOTA.

MINNEAPOLIS—Lagerquist, Gust, 516 N 3rd
ST. PAUL—Lee & Hoff Mfg. Co., 65 E Water

MISSOURI.

KANSAS CITY—Kansas City Elevator Mfg. Co., 2601 Madison
ST. LOUIS—Miller Wm. A., Machine & Elevator Co., 1000 N Main

NEW JERSEY.

NEWARK—Ortner Jos. J., 18 S 20th av
Storm Mfg. Co. ("New York Safety," "Paragon," "Manhattan," "Newark"), 50 Vesey

NEW YORK.

BUFFALO—Warsaw Elevator Co.
See adv index at end of book

COHOES—Cohoes Iron Foundry & Machine Co.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Bergquist B., 723 President
Rodgers R. M. Mfg. Co., 188 Emerson pl
Seaberg Gustav, Elevator Company, 407 Douglas

Boroughs of Manhattan and Bronx.

NEW YORK—Burdett-Rowntree Mfg. Co. (Automatic), 119 W 40th
Burwak Elevator Co., 216 Fulton
Chelsea Elevator Co., 441 W 19
Dowdall Chas. E., 152 W B'way
Larsen Anton & Son, Brook av, & 134th

Murtaugh Elevator Co. (Standard), 535 W 33rd
Nelson Alex. & Co., 103 W 26th
Roberts Jas. H. Elevator Co., 270 Washington
Sedgwick Machine Works, 150 W 15th
Warsaw Elevator Co. (Steel), 216 Fulton
See adv index at end of book
Williams W. & Co., 312 E 95th

(End of New York City)

POUGHKEEPSIE—Sedgwick Mach. Works (Automatic & Band Brake, Brass Tube, Simplex, etc)
ROCHESTER—Ricker Mfg. Co.
SYRACUSE—Houser Elevator Co.
WARSAW—Warsaw Elevator Co.
See adv index at end of book

OHIO.

CINCINNATI—Reedy H. J. Elevator Co. (Push Button, Electric & Hand), 15 W 2d
Warner Elevator Mfg. Co., Spring Grove av
CLEVELAND—Edmonds Elevator Co., 1440 W 10th
COLUMBUS—Ohio Elevator & Mach. Co.

OREGON.

PORTLAND—Portland Elevator Co., 480 E Mill
Strum Elevator Co., 1015 Nicolai
Supple Jos. Machine Works, Inc., 177 E Water

PENNSYLVANIA.

LANCASTER—Welchans A. C.
PHILADELPHIA—Energy Elevator Co., ("Energy," "Little Beauty," "Little Giant," "Rapid Transit"), 214 New
Massa George (Brass Tube), 245 S 6th
See adv index at end of book
PITTSBURGH—Marshall Bros., S 21st
READING—Speidel Elevator Corp. ("Columbia")
YORK—York Automatic Dumb Waiter Works (Refrigerated Automatic)

WASHINGTON.

SEATTLE—Washington Elevator Co.

WISCONSIN.

MILWAUKEE—Kieckhefer A. Elevator

4156—Dumb Waiters (Electric)

A. B. SEE ELECTRIC ELEVATOR CO., 52 Vesey, New York
Abell Elevator Co., 114 N 8th, Louisville, Ky.
Elevator Supplies Co. Inc., Hoboken, N. J.
Energy Elevator Co., 214 New, Phila., Pa.
Kansas City Elevator Mfg. Co., Kansas City, Mo.
Kimball Bros. Co., P O Box 154, Council Bluffs, Ia.
Lamson Co., Inc., Syracuse, N. Y.
Miller Wm. A. Machine & Elevator Co. (Automatic & Push Button), 1000 N Main, St. Louis, Mo.
Mock & Garside Elevator Co., Denver, Colo.
Otis Elevator Co., 26th & 11th av, New York
Roberts Jas. H. Elevator Co., 270 Washington, New York
Speidel Elevator Corp., Reading, Pa.
Storm Mfg. Co., 50 Vesey, Newark, N. J.
Sturm Dumbwaiter & Elevator Co., 289 Union Portland, Ore.
Van Emon Elevator Co., 1159H Howard, San Francisco, Cal.
Warsaw Elevator Co., Warsaw, N. Y.
See adv index at end of book

4157—Dumb Waiters (Pneumatic)

Lamson Co., Inc., Syracuse, N. Y.

4158—Dumb Waiters (Self-Sustaining)

Abell Elevator Co., 114 N 8th, Louisville, Ky.
International Steel & Iron Co., Evansville, Ind.
Kansas City Elevator Mfg. Co., Kansas City, Mo.
Kimball Bros. Co., P O Box 154, Council Bluffs, Ia.
Lamson Co. Inc., Syracuse, N. Y.
Miller Wm. A., Machine & Elevator Co., 1000 N Main, St. Louis, Mo.
Sedgwick Machine Works, 150 W. 15th New York
Speidel Elevator Corp., Reading, Pa.
Storm Mfg. Co., 50 Vesey, Newark, N. J.
Warsaw Elevator Co., Warsaw, N. Y.
See adv index at end of book

4159— Dumps (Ash)

Adams Co. (Fire Place), Dubuque, Ia.
Bosworth-Ard Machine & Foundry Co., Anniston, Ala.
Chattanooga Roofing & Foundry Co., Chattanooga, Tenn.
Covert H. W. Co., 137 E. 46th, New York
Donley Bros. Co. (The) ("Donley"), 13985 Miles av, Cleveland, O.
See adv index at end of book
Jardine Walter S. & Sons Co. (Fireplace), 29 Central, Arlington Heights, Mass.
Kramer Bros. Foundry Co., 55 Bell, Dayton, O.
Majestic Co. ("Majestic"), Huntington, Ind.
Withers Foundry & Machine Works, Atlanta, Ga.

4160—Dumps (Automatic, Cross-Over)

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Phillips Mine & Mill Supply Co. ("Phillips"), 2227 Jane, Pittsburgh, Pa.
Sanford-Day Iron Works ("Bumpa"), Knoxville, Tenn.

4161— Dumps (Ice)

Columbus Iron Works, Columbus, Ga.
Triumph Ice Machine Co., Oakley, Cincinnati, O.

4162— Dumps (Rotary Mine)

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Ottumwa Box Car Loader Co., Ottumwa, Iowa
Sanford-Day Iron Wks., 612 Dale, Knoxville, Tenn.

4163-4— Dumps (Wagon)

CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book

4165-6— Duplicators

(For the Reproduction of Manuscripts, Plans, etc)

American Duplicator Co., 80 Pearl, New York
American Multigraph Sales Co. ("Flexotype" Multigraph), 1832 E 40th, Cleveland, O.
Beck Duplicator Co. ("Iron Clad," "Self-Feeding" "Speed-ograh"), 476 B'way, New York
Daus Felix F. Duplicator Co. ("Tip-Top"), 174 Wooster, New York
Dick A. B. Co. ("Edison Mimeograph"), 736 W Jackson blvd, Chicago, Ill.
Durkin, Reeves & Co. ("Modern"), 507 Schmidt bldg, Pittsburgh, Pa.
General Manifold & Printing Co. ("Lewis" Biller), Franklin, Pa.
Heyer T. A. Duplicator Co., 18 S Wells, Chicago, Ill.
Home & Export Duplicator Co., 43 Wooster, New York
Lineograph Co. ("Lineograph," Rotary or Flat), 66 Reade, New York
Lisenby Mfg. Co. (Multicolor Presses), Fresno, Cal.
Meadows Blower & Pipe Works, 25 Meserole av, Brooklyn, N. Y.
Natl. Duplicators Co., 114 Broadway, New York
New Writerpress Co. ("Writerpress" Letter Duplicator & Office Printing Machine), Shelton, Conn.
Pen Carbon Manifold Co., New Brunswick, N. J.
Pruitt Co. (Jobbers), 170 N Wells, Chicago, Ill.
Rotospeed Co., Dayton, O.
Schapirograph Co., 43 Wooster, New York
Writerpress Lettergraph Co., Shelton, Conn.

4167— Duralumin

American Duralumin Co., 11 Pine, New York
Northern Blower Co. (The), Denison & W 65th, Cleveland, O.
See adv index at end of book

4167a— *Dust Arresters

Mac Leod Co. (For Foundries), 2227 Bogen, Cincinnati, Ohio
See adv index at end of book

Anyone troubled with dust will do well to submit same to us as we have two types of dust arrestors suitable for various work.
MACLEOD CO., 2227 Bogen St., Cincinatti, O.

Pangborn Corp., Dept. H, Hagerstown, Md.

4168—Dust Arresters For Foundries

AMERICAN FOUNDRY EQUIPMENT CO., THE, 366 Madison av, New York
Baker Edw. J. & Co., 608 Otis bldg., Chicago, Ill.
Central Iron Works (For Arresting all Dust from Tumbling Mills, Emery & Polishing Wheels & Sand Blast Rooms), Quincy, Ill.
Cleveland Nickel Works ("Glassford"), 1167 W 67th, Cleveland, O.
Dayton-Dowd Co. ("Reliable"), Quincy, Ill.
Hersh Bros. Co. ("Lehigh"), 645H Mill, Allentown, Pa.
Hoevel Mfg. Corp., 166 Ogden av, Jersey City, N. J.
Illinois Mfg. & Supply Co., Quincy, Ill.
Kelker Blower Co. Inc., 2383 Fillmore av, Buffalo, N. Y.
Knickerbocker Co., Jackson, Mich.
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
MacLeod Co., 2227 Bogen, Cincinnati, Ohio
See adv index at end of book
NORTHERN BLOWER CO. (The), Denison & W 65th, Cleveland, O.
See adv index at end of book
Pangborn Corp., Hagerstown, Md.
Paxson J. W. Co., Dept. H, Nicetown la & D, Phila., Pa.
Sly W. W. Mfg. Co., 4720 Train av, Cleveland, O.
Whiting Corp., Harvey, Ill.

4168a—*Dust Arresters (Metal Screen)

MACLEOD CO., 2227 Bogen, Cincinnati, O.
See adv index at end of book

4169— Dust (Bone)

Fergusson, Alex. C. Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Hafleigh & Co., Cambria & N American, Phila., Pa.
Nitrate Agencies Co. (Imp), 102 Pearl, New York

4170—Dust Collectors (Mechanical)

Allen Engineering & Mfg. Co. ("Numaticon," Also Lint), Savannah, Ga.
Allen E. H. Co., 22 Dorrance, Boston, Mass.
ALLINGTON & CURTIS MFG. CO., 1500 Holland av, Saginaw, Mich.
Allis Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Anglo Am. Mill Co. (Cyclone), Owensboro, Ky.
Archer Blower & Pipe Co., 8th av S & Edmonds, Seattle, Wash.
Astle H. J. & Co. ("Boland"), 118 Orange, Providence, R. I.
BAKER EDW. J. & CO., 608 Otis bldg, Chicago, Ill.
Barnard Machinery Co., Dept H, Enterprise, Kans.
Bernard & Leas Mfg. Co. (Rotary Pneumatic), Moline, Ill.
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Buckeye Blower Co., 425 W. Town, Columbus, O.
See adv index at end of book
Buffalo Forge Co., 490 Broadway, Buffalo, N. Y.
Burns H. J., 2124 Atlantic, Spokane, Wash.
Carlisle & Gale Co., 575 Albany, Boston, Mass.
Clarage Fan Co., North & Porter, Kalamazoo, Mich.
See adv index at end of book
Clark Dust Collecting Co. (For General Industrial Uses), Fisher bldg, Chicago, Ill.
Cleveland Blow Pipe & Mfg. Co., 6950 Kinsman rd, Cleveland, O.
Conn. Blower Co., Inc. (With or Without Piping), 345 Trumbull, Hartford, Conn.
Cyclone Blow Pipe Co., 2552 W 21st, Chicago, Ill.
Day Co. ("Day"), 1004 Lyndale, Minneapolis, Minn.
Dixie Mfg. Co. ("Cyclone"), Russel & B. & O. R. R., Baltimore, Md.
Empire Blower & Pipe Co., Rochester, N. Y.
Flesch & Schmitt Inc., Brown, Rochester, N. Y.
Garden City Fan Co., 332 S Michigan av, Chicago, Ill.
Goethel Alfred C. Co., The (Not inc), 301-303 4th, Milwaukee, Wis.
Grand Rapids Blow Pipe & Dust Arrester Co. ("Up-to-date"), Grand Rapids, Mich.
Hersh Bros. Co. ("Lehigh"), 645H Mill, Allentown, Pa.
Howes S. Co. Inc., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor" for Mill Dust), Silver Creek, N. Y.
Invincible Blow Pipe Co., 1822 N Lamon av, Chicago, Ill.
Kelker Blower Co., 2383 Fillmore av, Buffalo, N. Y.
See adv index at end of book
King F. E. Co., Norfolk, Va.
Kirk & Blum Mfg. Co., 2850 Spring Grove, Cincinnati, O.
Knickerbocker Co. ("1905 Cyclone" & "Morse" rarefied centrifugal), Park & Liberty, Jackson, Mich.
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
LEE THOMAS & SON CO. ("Cyclone"), 128-132 W 2nd, Cincinnati, Ohio
See adv index at end of book

(Continued on following page)

Dust Collectors (Mechanical)—Cont.

MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Mannen John E. Co., 2247 St. Clair, Cleveland, O.
Miller J. K. Co. ("Western"), Seattle, Wash.
National Blow Pipe & Mfg. Co., 738 Dryades, New Orleans, La.
National Blower Pipe Co., 1127 St. Paul av, Tacoma, Wash.
No Dust Drying Machine Co. ("No Dust"), 157 Dorrance, Providence, R. I.
NORTHERN BLOWER CO. (The), ("Norblo"), Denison & W 65th, Cleveland, O.
See adv index at end of book
Pangborn Corp., Hagerstown, Md.
Pipe, J. A. Roofing Co., Greenville, S. C.
Prinz & Rau Mfg. Co. ("Perfection"), 659 E Water, Milwaukee, Wis.
Richmond Mfg. Co. ("Niagara," for Corn, Grain, etc), Lockport, N. Y.
Shreveport Blow-Pipe & Sheet, Iron Wks,, Shreveport, La.
Silverton Blow Pipe Co., 103H West Main, Silverton, Oregon.
Skinner Bros. Mfg. Co., Inc., Vandeventer & Boyle, St. Louis, Mo.
SPROUT WALDRON & CO., Muncy, Pa.
See adv index at end of book
Sterling Blower Co. ("Sterling" Cyclone), Hartford, Conn.
United Blower Co., Inc., 1267 Folsom, San Francisco, Cal.
Venderbush & Co., 617 Larned, Detroit, Mich.
Western Blow Pipe & Sheet Metal Co. ("Improved Cyclone"), 2524 S 7th, St. Louis, Mo.
Western Blower Co., 1800 9th av, So. Seattle, Wash.
Wolf Co., Chambersburg, Pa.
York Heating & Ventilating Corp., Mill, Bridgeport, Pa.

4170a— Dust (Fire Clay)

Crescent Refractories Co., Curwensville, Pa.

4171—Dust Guards (Journal Box)

Franklin Mfg. Co. (Asbestos), Franklin, Pa.
McCord & Co., 122 S Michigan av, Chicago, Ill
Symington, T. H. Co. ("Symington"), 233 B'way, New York
Union Spring & Mfg. Co., New Kensington, Pa.
Western Railway Equipment Co. ("Security"), Central National Bank bldg, St. Louis, Mo.

4172— Duster Mfrs.

See also Cloths, Dustless Dust

Boston Feather Duster Co. (Feather), 60 India, Boston, Mass.
Burton A. & E. & Co. (Painters, Counters, Furniture, Factory, Foundry, etc., Turkey Feather, Ostrich Feather, etc., 73 Pearl, Boston, Mass.
Dunlap Mfg. Co. ("Oil of Gladness" for Furniture, etc), Bloomington, Ill.
Friedlander Paul N., 46 E 14th, New York
Hayes Duster Co. (Feather), 64 Lispenard, New York
Hoag Duster Co. ("Hoag," "Iowa" Hand Split Feather), Monticello, Iowa
Holcomb J. I. Mfg. Co., 1543 Van Buren, Indianapolis, Ind.
Homer Bros. & Muir Co. (Antiseptic), 66 Pearl, Boston, Mass.
Howard Dustless Duster Co. ("Howard" Dustless Dust Cloths, Dust Mops & Handle Dusters), 290 Franklin, Boston, Mass.
Mill-Rose Co., 2499 E 79th, Cleveland, O.
Milton Chemical Co. ("B. B." Utility), 156 Sixth, Cambridge, Mass.
National Brush Co., Aurora, Ill.
New Jersey Brush Co. (Furniture, Painters, etc), Bloomfield, N. J.
N. Y. Feather Duster Co. (Feather), 649 B'way, New York
Ohio Duster Co. ("Elle"), Cleveland, O.
Osborn Mfg. Co. (Wire, Fibre, Bristle, etc), 5401 E. Hamilton, Cleveland, O.
Pioneer Mfg. Co. ("Shino" Dust Absorbers), 3053H E. 87th, Cleveland Ohio
Rubberset Co. ("Rubberset," Camels Hair Photographers, etc), 56 Ferry, Newark, N. J.
Silver-Chamberlin Co. ("Nibco," "Brown Beauty"), Clayton, N. J.
Tate E. A. Mop & Cordage Co. ("Best Quality"), 67 Sudbury, Boston, Mass.
Universal Brush Co. ("Kleanwell," "Faultless," "De Lux" & "Midget" Hand), Freeport, Ill.
Wax Brush Co. ("Bwaxo"), 56 Sanford, Boston, Mass.
Weil Ransom Co. ("Chicago" Feather), 816 Fulton, Chicago, Ill.

4173— Dusters (Bran)

Allis-Chalmers Mfg. Co. (Flour Mill), Milwaukee, Wis.
See adv index at end of book
Barnard & Leas Mfg. Co. ("Barnard Moline"), 403 20th, Moline, Ill.
Nordyke & Marmon Co., Ky av & Morris, Indianapolis, Ind.
Richmond Mfg. Co. ("Niagara," "Empire"), Lockport, N. Y.
Robinson H. Mfg. Co., Muncy, Pa.
Sprout Waldron & Co., Muncy, Pa.
See adv index at end of book
Wolf Co., Chambersburg, Pa.

4173a— Dusters (Counter)

Los Angeles Brush Mfg. Co. ("Angelus"), 716 Towne av, Los Angeles, Cal.
Mill-Rose Co., 2499 E 79th, Cleveland, O.
Osborn Mfg. Co. (Fibre, Bristle, Wire & Combination), 5401 Hamilton av, Cleveland, Ohio
Pollock Brush Co., 25-27 N. Fourth, Easton, Pa.

Dusters (Dustless)

See Cloths, Dustless Dust

4174— Dusters (Insecticide)

Leggett & Bro., Inc. ("Beetle," "Potato," "Champion," "Little Giant," "Eagle" & "Standard," "Cotton"), 301 Pearl, New York
Feeny Mfg. Co., Muncie, Ind.
McWhorter Mfg. Co. (Paris Green), Riverton, N. J.

4175— Dusters (Mitten)

Pioneer Mfg. Co. ("Shino"), 3053H E. 87th, Cleveland, Ohio

4176— Dusters (Painters')

Carroll Bros. & Co., 415 W Baltimore, Baltimore, Md.
Hanlon & Goodman Co., 270 Pearl, New York
Whiting J. L.-Adams J. J. Co., 690 Harrison av, Boston, Mass.

4177— Dusters (Paper Mill)

Cincinnati Chemical Works, Inc., Evanston Station (Norwood), Cincinnati, Ohio
Holyoke Machine Co., Holyoke, Mass.
Noble & Wood Machine Co. (Fan, Pin & R R), Hoosick Falls, N. Y.
Norwood Engineering Co. (R R & Fan), Florence, Mass.

4177a— Dye Stuffs

See also Aniline Colors, Dyes & Dyestuffs

Acme Sales Corp., 1530 S Halstead, Chicago, Ill, 189 N Clark
Althouse Chemical Co., Reading, Pa.
American Dyewood Co., 100 E 42nd, New York
American Wood Preserving Co., 3743 Marshfield av, Chicago, Ill.
Butterworth Judson Corp. (Acid, Basic & Chrome & Victoria), 80 Church, New York.
Fergusson, Alex. C. Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Hartmann Pacific Co., 80 Wall, New York
M. & B. Chemical Co., Dept. H, Johnson City, Tenn.
Marsden-Sewell Corp. (Dirs.), 149 Church, New York
Matheson & Atkinson, 364 4th av, New York
National Aniline & Chemical Co., Inc., 40 Rector, New York
Selz Best Mfg. Co. ("S. B." Black & Brown Shoe Dye), 13 W Kinzie, Chicago, Ill.

4177b— *Dyes

Atkinson H. L. ("Blak-it" for Hat), 741 Folsom, San Francisco, Cal.
WILSON-IMPERIAL CO. (Manufacturers "Imperial Re-Dye for Railway Passenger Coaches), 115 Chestnut, Newark, N. J.
See adv index at end of book

4177c— Dyes (Household)

Aladdin Products Co. (Soap), 3252 W Lake, Chicago, Ill.
Carpenter Morton Co. ("Colorite"), 77 Sudbury, Boston, Mass.
Lever Bros Co. ("Twink"), Cambridge, Mass.
Sunbeam Chemical Co. ("Rit"), 1401 W Jackson blvd, Chicago, Ill.
Wells & Richardson Co. ("Diamond"), Dept. H, Burlington, Vt.

4177d— Dyewoods

American Dyewood Co., 100 E 42nd, New York
Andreykoviz & Dunk, 60 N Front, Phila., Pa.
Dick David & Heller Co., Chicago Heights, Ill.
Ducas B. P. Co., 25 S William, New York
Hollingsworth & Peterson, Lafayette bldg. Phila., Pa.

4178— Dynamite Mfrs.

Atlas Powder Co., Wilmington, Del.
Cameron Powder Mfg. Co., Emporium, Pa.
Dittmar Powder Works, 103 W 130th, New York
DU PONT E. I. DE NEMOURS & CO., INC., Explosives & Smokeless Powder Depts. ("Du Pont" & "Red Cross" Straight, Extra, Gelatin). (See Adv. at Explosives.), Wilmington, Del.
See adv index at end of book
Egyptian Powder Co., East Alton, Ill.
Equitable Powder Mfg. Co., East Alton, Ill.
Excelsior Powder Mfg. Co., 400 Grumbel bldg, Kansas City, Mo.
Giant Powder Co. Cons., San Francisco, Cal.
Grasselli Powder Co. ("Mine-ite," "Fuel-it," "Cameron," Permissibles), Guardian bldg, Cleveland, O.
Hall's Ellis Sons Co., Oil City, Pa.

HERCULES POWDER CO.

(All Grades & Strengths), Wilmington, Del.

King Powder Co., 1st Nat'l Bank bldg, Cincinnati, O.
McAbee, G. R. Powder & Oil Co., Oliver bldg., Pittsburgh, Pa.
Nitro Powder Co., Kingston, N. Y.
Puget Sound & Alaska Powder Co. ("Vulcan"), 307 Pioneer bldg, Seattle, Wash.
Rockdale Powder Co., York, Pa.
West Penn Powder Co., 2nd Nat'l Bank bldg, Pittsburgh, Pa.

4179—Dynamo & Motor Mfrs.

(For Light & Power)

See also Dynamos, Electro Plating; also Generators, Various Kinds; also Motors, Various Kinds

CALIFORNIA.

LOS ANGELES—U. S. Electric Mfg. Co., 300 S. Central av
SAN FRANCISCO—Union Iron Works Co., 19th & Michigan

ILLINOIS.

CHICAGO—Bodine Electric Co. (D. C. 1-20 to ⅛ h.p.), 2254 W Ohio
Crown Rheostat & Supply Co., 15 S Desplaines
Fairbanks Morse & Co. (Direct & Alternating), 900 S. Wabash av
GENERAL ELECTRIC CO. (Direct & Alternating), Monadnock blk
See adv index at end of book
Globe Elec. Co. (Motor Only), 6340 Stony Island av
Kimble Electric Co. ("Kimble" Induction & Variable Speed Motors), 634 Northwestern av
National Stamping & Electric Works (Direct Current), 424 S Clinton
Peerless Electric Co. (Direct Current), 550 W Harrison
Roth Bros. & Co. (Direct Current Vertical Shaft Motors), 1400 W Adams

INDIANA.

ANDERSON—Arvac Mfg. Co.
FORT WAYNE—General Electric Co.
See adv index at end of book
TERRE HAUTE—Kester Electric Co. (D. C.)

KENTUCKY.

LOUISVILLE—Clark Jas. Jr., Electric Co. ("Clark" Direct & Alternating Current), 520 W Main
OWENSBORO—Kentucky Electrical Co., (Direct Current)

MAINE.

PORTLAND—Maine Electric Co.

MASSACHUSETTS.

BOSTON—Sturtevant B. F. Co. ("Sturtevant" Direct Current), 15 Damon Hyde Park
PITTSFIELD—General Electric Co.
See adv index at end of book

MICHIGAN.

DETROIT—Detroit Steel Casting Co., 4069H Michigan
Fisher Electrical Wks. (D. C.), 82 Lynn
Fuller Co. (Direct Current), 1565 Russell
GLADSTONE—Marble Card Elec. Co. (Direct Current) ½ to 75 HP.)
HOWELL—Howell Electric Motors Co. ("Howell Red Band" Motors)
LAKE LINDEN—Calumet Motor Co. (¼ h.p. Motors A. C. & D. C.)
ST. JOSEPH—Engberg Electric & Mechanical Works

MINNESOTA.

MINNEAPOLIS—Boustead Elec. & Mfg. Co., 18 E Hennepin
Electric Machinery Mfg. Co. (Direct & Alternating), 14th av & N. E. Tyler
ST. PAUL—Olson-Boettger Electric Mfg. Co. (Direct Current, Small), 413 Franklin

MISSOURI.

JEFFERSON CITY—Star Dynamo Works (Direct Current)
ST. LOUIS—Advance Electric Co. (Alternating), 631 Maple
Century Electric Co. (Motors Only), 19th & Pine
Emerson Electric Mfg. Co., 2024 Washington av

Wagner Electric Mfg. Co. (Alternating Current) 6400 Plymouth av

NEW HAMPSHIRE.

CONCORD—Cushman Elec. Co. (Direct Current)
LEBANON—Kendrick-Davis Co. (Battery.

NEW JERSEY.

AMPERE—Crocker, Wheeler Co. (Direct & Alternating)
BAYONNE—Electric Dynamic Co. (Alternating & Direct Current)
BELLEVILLE—Eck Dynamo & Motor Co., ("High-Grade" Direct Current Dynamos & Motors & Alternating Current Dynamos)
ELIZABETH—Diehl Mfg. Co. (Direct Current 1/50 to 500)
GARWOOD—Bell Electric Motor Co. (A C & D C)
IRVINGTON—Conn. Dynamo & Motor Co.
NEWARK—Star Electrical Motor Co., Miller & N. J. R. R. av
ROSELLE PARK—Shedd Electric Co. (Direct Current, Small)

NEW YORK.

BINGHAMTON — Stow Mfg. Co., Inc. (Motor)
See adv index at end of book
BUFFALO—McCarthy Bros. & Ford (D. C.), 75 Mohawk

NEW YORK CITY.

Borough of Brooklyn

BROOKLYN—Wald Electric Mfg. Co. (1 to 5 H. P.), 248 N 10th

Borough of Manhattan

NEW YORK—Bogue Chas. J. Electric Co. (Direct Current), 132 King
Dilg Mfg. & Trading Co. (Direct Current), 27 E 125th
Rateau, Battu, Smoot Co., 90 West
Western Electric Co., 463 West

(End of New York City)

ROCHESTER—Rochester Motors Co. (D C)
SCHENECTADY — GENERAL ELECTRIC CO. (Direct & Alternating Current)
See adv index at end of book
TROY—Troy Electrical Co.

OHIO.

AKRON—Imperial Electric Co. (Direct Current)
CINCINNATI—Carlisle & Finch Co.,229 E Clifton av
Jantz & Leist Elec. Co. (Multipolar D C)
Triumph Electric Co. (Direct & Alternating Current), Oakley
Wesche B. A. Elec. Co., 327 E. 6th
CLEVELAND—Azor Motor Mfg. Co. ("Azor" for Washing Machines), 5207 Prospect av
Cleveland Armature Works Inc. (Direct Current), 4736 St. Clair av
FUERST FRIEDMAN CO. (The), (New & rebuilt), E 53rd & Hamilton av
Lincoln Electric Co. (D C & A C)
Ohio Electric & Controller Co., 5900 Maurice av
See adv index at end of book
Reinhard Electric Motor Co. (The), ("Reimo" Electric Motors), 2517 E 79th st
See adv index at end of book
RELIANCE ELECTRIC & ENGINEERING CO., 1064 Ivanhoe rd
See adv index at end of book
DAYTON—Dayton Electrical Mfg. Co. ("Dayton" up to ½ H P)
Dayton Fan & Motor Co.
Leland Electric Co.
LEIPSIC—Temco Electric Motor Co. ("Temco")
MANSFIELD—Ideal Electric & Mfg. Co. (Direct & Alternating Current, Open & Enclosed)
Linzee Electric Motor Co., The
See adv index at end of book
SPRINGFIELD—Robbins & Myers Co. (Direct & Alternating Current), 1400 Lagonda av
TOLEDO—Airway Electric Appliance Corp. ("Airway" low voltage), 618 B'way
Jeannin Electric Co. (¼ h.p. to 5 h.p.) 110 11th
Rollaway Co. ("Rollaway" Bicycle Motor), 1048 Shepard.
TROY—Hobart Bros. Co.
WARREN—Peerless Electric Co. ("Peerless" Direct Current)
Sunlight Electrical Mfg. Co. (Fractional h.p. Motors)

PENNSYLVANIA

EAST PITTSBURGH—Westinghouse Electric & Mfg. Co. (For Light & Power) *See adv index at end of book*
ERIE—BURKE ELECTRIC CO. (Direct & Alternating)
See adv index at end of book
General Electric Co.
See adv index at end of book
LANCASTER—Fidelity Electric Co. (A. C. & D. C.)
PHILADELPHIA—Toomey Frank, Inc. (Dealers), 127 N 3rd
PITTSBURGH—Duquesne Elec. & Mfg. Co., Bessemer bldg
RIDGWAY—Ridgway Dynamo & Engine Co. (Direct Current)

WASHINGTON.

SEATTLE—N. & S. Foundry Co.

WISCONSIN.

LA CROSSE—Benton Electric Co. (D. C.)
MILWAUKEE — ALLIS - CHALMERS MFG. CO. (Direct & Alternating)
See adv index at end of book
ALLIS LOUIS CO. THE (Direct & Alternating Current), 133 Stewart
See adv index at end of book
Andrae Julius & Sons Co. (Small), 363 Broadway
Holt Electric Co. (Direct Current), 379 S Pierce
Northwestern Mfg. Co. (D. C. to 75 H.P.), 482 Clinton

4180— Dynamometers

Burr Co. (Railway), Champaign, Ill.
Diehl Mfg. Co., Elizabeth, N. J.
Du Vivier Ernest H. (Imp.) (Dial & Recording), 30 Church, New York
Eck Dynamo & Motor Co., Belleville, N. J.
Foote, Pierson & Co., 160 Duane, New York
Guarantee Engineering & Machine Co. ("G. E. M. Co."), 1001H North Main, Los Angeles, Cal.
Hartford Special Machinery Co. (Rubber Testing), Hartford, Conn.
Kohlbusch, Herman Sr., Inc., 149H New York av, Jersey City, N. J.
Leeds & Northrup Co. (Electric), 4901 Stenton av, Phila, Pa.
Pearce Fred'k Co., 70 N 40th, New York
Queen-Gray Co., 644 W Johnston, Phila., Pa.
Tracy Joseph (Fan), 1755 Broadway, New York

4181—Dynamos (Electro-plating)

Aaron Electric Co., 15 S Clinton, Chicago, Ill.
BARKER BROS., INC., 327-329 Johnson st, Brooklyn, N. Y.
See adv index at end of book
Bell Electric Motor Co., Garwood, N. J.
Bishop W. S., 63 Bradley, New Haven, Conn.
Bogue Chas. J. Electric Co., 132 King, New York
Boissier Electric Co. ("World"), 31-39 Tenth, Long Island City, N. Y.
Burns E. Reed, 27 Jackson, Brooklyn, N. Y.
Connecticut Dynamo & Motor Co., Irvington, N. J.
Crocker-Wheeler Co., Ampere, N. J.
Cutter & Wood Supply Co. (Jobbers), 274 Friend, Boston, Mass.
Hanson & Van Winkle Co., 269 Oliver, Newark, N. J.
Ideal Electric & Mfg. Co., Mansfield, O.
Jantz & Leist Electric Co., Cincinnati, O.
Kendrick-Davis Co. ("K.-D."), Lebanon, N. H.
L'Hommedieu, Chas. F. & Sons, 4521 Odgen av, Chicago, Ill.
Munning A. P. & Co. ("Optimus"), Matawan, N. J.
Pan Electric Mfg. Co., 735 S 4th, St. Louis, Mo.
Rochester Motors Co., Rochester, N. Y.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

Dynamos (Plating)

See Dynamos, Electro-plating

4182— Dynamos (Turbine)

Allis-Chalmers Mfg. Co. (A. C. or D. C.), Milwaukee, Wis.
See adv index at end of book
De Laval Steam Turbine Co. (D. C. & A. C.), East Trenton, N. J.
See adv index at end of book
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

4183-4— Dynamotors

Allis-Chalmers Mfg. Co. (Motor Generator Sets), Milwaukee, Wis.
See adv index at end of book
Bell Electric Motor Co., Garwood, N. J.
Butler-Edwards Electric Co., Easton, Pa.
Connecticut Dynamo & Motor Co., Irvington, N. J.
Crocker-Wheeler Co., Ampere, N. J.
Diehl Mfg. Co., Elizabeth, N. J.
Eck Dynamo & Motor Co., Belleville, N. J.
Roth Bros. & Co. (Ringing), 1400 W Adams, Chicago, Ill.

Earphones

See Audiphones

Earth (Bleaching)

See Fullers Earth

4185— Earth (Infusorial)

Atlas Mineral Products Co., Mertztown, Pa.
Behrend F. (Imp), 170 Front, New York
Celite Products Co., 53 W Jackson blvd, Chicago, Ill.
Chrystal Chas. B. Co. Inc. (Imp. Kieselguhr, Fossil Flour), 13 Cliff, New York *See adv index at end of book*
Doggett Stanley, 11 Cliff, New York
Fuerst Bros. & Co., 2 Stone, New York
Hammill & Gillespie (Imp), 240 Front, New York
National Sales Co. (Imp), 31 E 13th, Cincinnati, O.
New England Quartz Co. of N. Y., 150 Nassau, New York
SALOMON L. A. & BRO., 216 Pearl, New York
Scheel Wm. H. (Imp.), 179 Water, New York *See adv index at end of book*
Whittaker, Clark & Daniels, Inc. (Imp), 250 Front, New York
Wright J. A. & Co. (Refined Silica), Keene, N. H.

4186— Earth (Tripolite)

Scheel Wm. H. (Imp.), 179 Water, New York *See adv index at end of book*

Earthenware

See Potteries; China Ware; Plumbers' Sanitary Earthenware, etc

4187— Easels (Brass)

Heitler Kurt, 221 4th av, New York
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Newman Mfg. Co., 420 Elm, Cincinnati, O.

4188— Easels (Paper)

Regenstein-Veeder Co. (Cardboard), 3432 N Kimball av, Chicago, Ill.
Springman Paper Products Co., 75 W Larned, Detroit, Mich

4189—Easels (Plate & Picture, Etc.)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
ESTES E. B. & SONS, 364 5th av, New York. *See adv index at end of book*
Weber Co., F., 1220 Buttonwood, Phila., Pa.

4190-1— Easels (Wire)

Cassady Fairbank Mfg. Co. ("Andersons" Adjustable Display), 6126 S La Salle, Chicago, Ill.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Heitler Kurt (Rubber Covered), 221 4th av, New York
Pioneer Wire Works, 133-135 Federal, Camden, N. J.
See adv index at end of book
Woods-Sherwood Co. (Wire), 28 Union, Worcester, Mass.

Eave-Trough Mfrs.

See Conductor Pipe & Eave-Trough Manufacturers

4192— Edgers (Double)

American Woodworking Machinery Co., Rochester, N. Y.
Chase Turbine Mfg. Co. (Power Feed with Movable Saw), Orange, Mass.
Filer & Stowell Co., Milwaukee, Wis.
Lane Mfg. Co. Montpelier Vt.
Murray D. J. Mfg. Co., Wausau, Wis.
Union Iron Works, Bangor, Me.
Yates P. B. Machine Co., Beloit, Wis.

4193— Edgers (Gang Saw)

Adams W. T. Machine Co., Corinth, Miss.
Allis Chalmers Mfg. Co. (Timber), Milwaukee, Wis. *See adv index at end of book*
American Saw Mill Machinery Co. ("American" & "Junior"), Hackettstown, N. J.
American Woodworking Machinery Co., Rochester, N. Y.
Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Butterworth & Lowe, Grand Rapids, Mich.
California Saw Works, 721 Brannan, San Francisco, Cal.
Clark Bros. Co., Olean, N. Y.
De Loach Mill Mfg. Co., 318 Carter, Tenn.
Diamond Iron Works ("Diamond & Armstrong"), 2nd & 18th av N, Minneapolis, Minn.
Enterprise Co., Columbiana, O.
Fay J. A. & Egan Co., Cincinnati, O.
Garland M. Co., Bay City, Mich.
Gibbes Machinery Co., Columbia, S. C.
Gordon Hollow Blast Grate Co. ("The Tower"), Greenville, Mich.
Grace C. M. & Co., Huntsville, Ala.
Henderson W. K. Iron Works & Supply Co., Shreveport, La.
Holmes E. & B. Machinery Co., 59 Chicago, Buffalo, N. Y.
Howell R. R. & Co., 31st av, Minneapolis, Minn.
Kline Lewis T., Alpena, Mich.
Knight Mfg. Co., Canton, O.
Lane Mfg. Co., Montpelier, Vt.
Memphis Machine Works, 171 Vance, Memphis, Tenn.
Moltz Jacob J., Williamsport, Pa.
Murray D. J. Mfg. Co., Wausau, Wis.
Newman Machine Co., Greensboro, N. C.
Phoenix Mfg. Co., Eau Claire, Wis.

(Continued on following page)

Edgers (Gang Saw)—Continued

Puget Sound Machinery Depot, 318 1st av, So Seattle, Wash.
Southern Engine & Boiler Mfg. Co., Jackson, Tenn.
Standard Saw Mill Machinery Co., Erie, Pa.
Star Machinery Co., 1731 1st av S, Seattle, Wash.
Stearns Co., Erie, Pa.
Stellman L. H. & Son, Brattleboro, Vt.
Sumner Iron Wks., Everett, Wash.
Union Iron Works, Bangor, Me.
Union Iron Works, Spokane, Wash.
United States Machine Co. (Shingle, etc), Williamsport, Pa.
Wheland Co., W Side & 27th, Chattanooga, Tenn.
Yates P. B. Machine Co. Beloit, Wis.

Edgers (Lumber)

See Edgers, Gang Saw

4194— Edgers (Roofing)

Danzer Metal Works ("Danzer's Lightning," Hand & Foot Power), Hagerstown. Md.

4195— Edgers (Turf)

Anderson W. H. Tool & Supply Co., Brush & Macomb, Detroit, Mich.
Cronk & Carrier Mfg. Co., 150 Lake, Elmira, N. Y.
Kohler F. E. Co., Canton, O.
Union Fork & Hoe Co. (Solid Steel Bronze Finish), Columbus, O.

4196—Educators (Jet Water & Sand Lifting)

Otterson Auto Eductors Co., Springfield, O.
SCHUTTE & KOERTING CO. ("Koerting"), 1251 N 12th, Phila., Pa.
See adv index at end of book

4196a— Eggs (Darning)

See Balls, also Darning

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

4197— Eggs (Nest)

American Crayon Co. (Hygieia & Lime), 1300 Hayes av, Sandusky, O., & Waltham, Mass.
Point Marion Glass Novelty Co., Point Marion, Pa.
White Tar Co. (Napthalene), 2 Cliff, New York

4197a— Ejectors (Acid)

Durion Castings Co., Dayton, O.
General Ceramics Co., 50 Church, New York
Knight Maurice A., Akron, O.
NASON MFG. CO. (Both brass and all iron construction for chemicals), 71 Fulton, New York
See adv index at end of book
Sherwood Mfg. Co., 1709 Elmwood, Buffalo, N. Y.

4197b—Ejectors (All Monel Metal)

INTERNATIONAL NICKEL COMPANY, THE, 67 Wall st, New York. (See insert under Monel Metal)
See adv index at end of book
Perkins & Son, Inc., B. F., Holyoke, Mass.
Sholes, Inc., 186 Lafayette, New York

4198—Ejectors (Ash, Hydraulic)

Davidson M. T. Co. ("Davidson"), 154 Nassau, New York
East Bangor Mfg. Co., Bangor, Pa.
Marine Mfg. & Supply Co., 153 South, New York
Puget Sound Machinery Depot, 318 1st av, So Seattle, Wash.

4199—Ejectors (Bronze Bleach)

Perkins B. F. & Son, Holyoke, Mass.

Ejectors, Jet Pumps or Syphons

See Injectors & Ejectors, Boiler

Ejectors (Sewage, Automatic)

See Sewage Ejectors

4200—Ejectors (Steam, Acid Proof)

Duriron Casting Co. ("Duriron"), Dayton, O.

Elaterite

See Hydro Carbons

4201— Elbows (Boiler)

Blake Specialty Co. (With Union), Rock Island, Ill.
Grabler Mfg. Co. (With Union), Cleveland, O.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Walworth Mfg. Co., 82H Pearl, Boston, Mass.

4202— Elbows (Brass)

Berglas M. P. Mfg. Co., 10 Fulton, Brooklyn, N. Y.
Buckeye Iron & Brass Works (Finished) Dayton, O.
Columbus Brass Co. ("Columbus"), 620 Dublin, Detroit, Mich.
See adv index at end of book
Commonwealth Brass Corp. (Compression) 5781 Commonwealth Av & Ry., Detroit, Mich.
Crane Co., 836 S. Michigan av, Chicago, Ill. *See adv index at end of book*
Dearborn Brass Co., Cedar Rapids, Ia.
Detroit Lubricator Co. ("Detroit"), Detroit, Mich.
Detroit Sanitary Supply Co., 5905 2nd, Detroit, Mich.
Exeter Brass Works, Exeter, N. H.
Federal-Huber Co., 234 N Halsted, Chicago, Ill.
Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, O.
Haines, Jones & Carbury Co., 1136 Ridge av., Phila., Pa.
Kellogg-Mackay Co., 419 W 18th, Chicago Ill.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
LUNKENHEIMER CO. Executive Offices & Factories: Beekman & Waverly, Cincinnati, O *See adv index at end of book*
McCambridge Co., 315 N 20th, Phila, Pa.
McNab & Harlin Mfg. Co., Paterson, N. J.
Newman Mfg. Co., 420 Elm, Cincinnati, O.
Perkes Chas. (Est. of), 627 Arch, Philadelphia, Pa.
Powell, Wm. Co., 2525 Spring Grove av, Cincinnati, Ohio
See adv index at end of book
Rundle-Spence Mfg. Co., 63 2d, Milwaukee, Wis
Sanitary Co. of Amer., Linfield, Pa.
Sherman H. B. Mfg. Co., Battle Creek, Mich.
Street & Kent Mfg. Co., 1956 Clybourn, Chicago, Ill.
Walworth Mfg. Co., Boston, Mass.
Wolverine Brass Works, Grand Rapids, Mich.
Woodward-Wanger Co., 1106 Spring Garden, Phila., Pa.

4203—Elbows (Cast or Malleable)

Central Foundry Co. (Cast), 41 E 42d, New York
Crane Co. (Iron & Steel), 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Illinois Malleable Iron Co., 1801 Diversey blvd, Chicago, Ill.
See adv index at end of book
Kellogg-Mackay Co., 419 W 18th, Chicago, Ill.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Lynchburg Fdry Co., Lynchburg, Va.
McMann & Taylor Co., 104 John, New York
See adv index at end of book
Malleable Iron Fittings Co. ("M. I. F. Co.," Malleable), Branford, Conn.
Messinger Mfg. Co., Tatamy, Pa.
Pittsburgh Valve & Fittings Co., Frick bldg, Pittsburgh, Pa.
Walworth Mfg. Co., Boston, Mass.

4204— Elbows (Closet)

American Pin Co. ("Ampinco"), Waterbury, Conn.
American Sanitary Mfg. Co. ("American"), Abingdon, Ill.
Church, C. F. Mfg. Co. ("White Pyralin"), Holyoke, Mass.
Columbus Brass Co., 620 Dublin, Detroit Mich. *See adv index at end of book*
Compound Injector & Specialty Co ("Dehn's," "Acme"), 419 N Laramie av, Chicago, Ill.
Cooper Sanitary Mfg. Co., 24th & Chestnut, Phila., Pa.
Federal-Huber Co., 234 N Halsted, Chicago, Ill.
Fleck Bros. Co., 44 N 5th, Phila., Pa.
Frost Mfg. Co., Kenosha, Wis.
Glauber Brass Mfg. Co., 79th & Platt av Cleveland, O.
Ideal Supply Co., Somerville, Mass.
Klipstein A. & Co. ("Bemanco"), 64 Greenwich, N. Y.
Little M. S. Mfg. Co. (Brass), 151H, New Park av, Hartford, Conn.
Street & Kent Mfg. Co., 549 Fulton, Chicago, Ill.
Wolverine Brass Works, Grand Rapids Mich.

Elbows (Conductor Pipe)

See Elbows & Shoes Conductor Pipe

4205— *Elbows (Conduit)

Gwilliam Supply Co., 915 N. Front, Phila., Pa.

Elbows (Furnace)

See Furnace Pipe & Fittings

4206—Elbows (Plumbers' Rubber)

Canfield H. O. Co. ("1901"), 191 Nsatnc av, Bridgeport, Conn.
Canfield Rubber Co. ("Redtex," "Blackrock"), Bridgeport, Conn.
Empire Tire & Rubber Corp., Trenton, N. J.
Glauber Brass Mfg. Co. ("Cut-Me-Off" Rubber Closet), 79th & Platt av, Cleveland, O.
Goodrich B. F. Co., Akron, O.
Home Rubber Co., Trenton, N. J.
Norwalk Mfg. Co., E Norwalk, Conn.
Pennsylvania Rubber Co., Jeannette, Pa.

Elbows (Stove Pipe)

See Stove Pipe & Elbow Mfrs.

4207—Elbows (Street or Service)

Crane Co., 836 S. Michigan av, Chicago, Ill. *See adv index at end of book*
Exeter Brass Works, Exeter, N. H.
Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, O.
Illinois Malleable Iron Co., 1801 Diversey blvd, Chicago, Ill.
See adv index at end of book
Malleable Iron Fittings Co. ("M I F Co."), Branford, Conn.
Sherman H. B. Mfg. Co., Battle Creek, Mich.
Walworth Mfg. Co., 82H Pearl, Boston, Mass.
Wolverine Brass Works, Grand Rapids, Mich.

4208— Elbows (Union)

ACHESON MFG. CO., Rankin, Pa.
See adv index at end of book
Bard Union Co., Norwich, Conn.
Belknap Mfg. Co., 800 Union av, Bridgeport, Conn.
Capitol Brass Works, 596 Franklin, Detroit, Mich.
Crane Co. (Malleable, etc.), 836 S. Michigan av, Chicago, Ill.
See adv index at end of book
Dart E. M. Mfg. Co. ("Dart"), 134 Thurbers av, Providence, R. I.
Exeter Brass Works, Exeter, N. H.
Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, O.
Illinois Malleable Iron Co., 1801 Diversey blvd, Chicago, Ill.
See adv index at end of book
Jefferson Union Co. ("Jefferson"), Lexington, Mass.
Kellogg-Mackay Co., 419 W 18th, Chicago, Ill.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McNab & Harlin Mfg. Co., Paterson, N. J.
Malleable Iron Fittings Co. ("M I F Co."), Branford, Conn.
Milwaukee Valve Co. (Brass), 139 Burrell, Milwaukee, Wis.
Powell, Wm. Co., 2525 Spring Grove av, Cincinnati, Ohio
See adv index at end of book
Walworth Mfg. Co., Boston, Mass.
Williams D. T. Valve Co., Cincinnati, O.

4209—Elbows & Shoes (Conductor Pipe)

Atlas Valve Co. (Swing Joint), 282 South, Newark, N. J.
Berger Mfg. Co., 1038 Belden av, N E, Canton, Ohio
Camden Elbow Co., Camden, N. J.
Canton Art Metal Co., Canton, O.
Delphos Mfg. Co., 1st & Pierce, Delphos, O.
Dieckmann Ferdinand Co., 1182 Harrison av, Cincinnati, O.
Dowman-Dozier Mfg. Co., Atlanta, Ga.
EDWARD MFG. CO. (Corrugated, etc.), 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
Friedly-Voshardt Co. (Galvanized & Copper), 733 S Halsted, Chicago, Ill.
Globe Iron Roofing & Corrugating Co., Dept H, Newport, Ky.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Hussey C. G. & Co. (Copper Only), 1550 2nd av, Pittsburgh, Pa.
Klauer Mfg. Co., Dubuque, Ia.
Lamb & Ritchie Co. (Corrugated, etc.), Cambridge, Mass.
Lupton's David Sons Co. ("Lupton"), Allegheny av & Tulip, Phila., Pa.
See adv at Shelving Steel
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
Messenger & Parks Mfg. Co., Aurora, Ill.
Meurer Geo. C. Co., 22 Clay av, Brooklyn, N. Y.
Milwaukee Corrugating Co., Milwaukee, Wis.
Newark Steel & Iron Works, 12 Mercer, Newark, N. J.
New England Steel Roofing Co. (Corrugated, etc.), 274 Main, Worcester, Mass.
New Orleans Roofing & Metal Co. ("Nola"), Cortez & Orleans, New Orleans, La.
Niles Iron & Steel Roofing Co., Niles, O.
Northfield Iron Co. (Steel), Northfield, Minn.

(*Continued on page* 990)



Where to Get G-E Service

Bridgeport Works
Home of
Merchandise Dept.

G-E Sales Office	G-E Distributing Jobber
Alabama, Birmingham	Matthews Elec. Supply Co.
Arkansas, Little Rock	
California, Los Angeles†	Pacific States Electric Co.
California, Oakland‡	Pacific States Electric Co.
California, San Francisco§†	Pacific States Electric Co.
Colorado, Denver†	The Hendrie & Bolthoff Mfg. & Sup. Co.
Connecticut, Hartford	Southern New England Elec. Co.
Connecticut, New Haven	Southern New England Elec. Co.
Connecticut, Waterbury	Southern New England Elec. Co.
District of Columbia, Washington	National Elec'l Supply Co.
Florida, Jacksonville	Florida Elec. Supply Co.
Florida, Tampa‡	Florida Elec. Supply Co.
Georgia, Atlanta§†	Carter Electric Co.
Georgia, Savannah‡	Carter Electric Co.
Illinois, Chicago§†	Central Electric Company Commonwealth Edison Co.
Illinois, Rockford‡	Swords Electric Co.
Indiana, Evansville‡	Crescent City Electric Co.
Indiana, Fort Wayne	Protective Electrical Supply Co.
Indiana, Indianapolis	Indianapolis Elec. Supply Co.
Indiana, South Bend‡	South Bend Electric Co.
Indiana, Terre Haute	
Iowa, Davenport	
Iowa, Des Moines	Mid-West Electric Co.
Kentucky, Louisville	Belknap Hardware & Mfg. Co., Inc.
Louisiana, New Orleans	Wesco Supply Company
Maryland, Baltimore	Southern Electric Co.
Massachusetts, Boston†	Pettingell-Andrews Co.
Massachusetts, Springfield	
Massachusetts, Worcester	
Michigan, Detroit	Frank C. Teal Company A. T. Knowlson Co.
Michigan, Grand Rapids	C. J. Litscher Electric Company
Michigan, Jackson	
Minnesota, Duluth	Northwestern Elec. Equipment Co.
Minnesota, Minneapolis§†	Peerless Electrical Co.
Minnesota, St. Paul‡	Northwestern Elec. Equipment Co.
Missouri, Kansas City†	The B-R Electric Co.
Missouri, St. Louis§†	Wesco Supply Company
Montana, Butte†	Butte Electric Supply Co.
Nebraska, Omaha	Mid-West Electric Co.
New Jersey, Newark	Tri-City Electric Co., Inc.
New Jersey, Paterson‡	Tri-City Electric Co., Inc.
New Jersey, Trenton	
New York, Albany‡	Havens Electric Co., Inc.
New York, Buffalo	Robertson-Cataract Elec. Co.
New York, Elmira	
New York City§†	E. B. Latham & Company Royal Eastern Elec'l Sup. Co. (Also Borough of Brooklyn, Long Island City and Jamaica, L. I.) Sibley-Pitman Elec. Corp. (Also Borough of Brooklyn)
New York, Niagara Falls	
New York, Rochester	Robertson-Cataract Elec. Co. Wheeler-Green Electric Co.
New York, Schenectady§	
New York, Syracuse	Robertson-Cataract Elec. Co.
New York, Utica	Robertson-Cataract Elec. Co.
North Carolina, Charlotte	Elec. Supply & Equipment Co.
Ohio, Akron	Republic Electric Co.
Ohio, Canton	
Ohio, Cincinnati†	The Post-Glover Electric Co.
Ohio, Cleveland	Republic Electric Co.
Ohio, Columbus	The Erner & Hopkins Co.
Ohio, Dayton	The Wm. Hall Electric Co.
Ohio, Toledo	W. G. Nagel Electric Co.
Ohio, Youngstown	
Oklahoma, Oklahoma City†	Southwest G-E Co.
Oklahoma, Tulsa	
Oregon, Portland†	Pacific States Electric Co.
Pennsylvania, Erie§	
Pennsylvania, Philadelphia§†	Philadelphia Electric Company Supply Department Frank H. Stewart Electric Co.
Pennsylvania, Pittsburgh†	Union Electric Company
Rhode Island, Providence	
South Carolina, Columbia‡	Perry-Mann Elec. Co., Inc
South Carolina, Greenville	
Tennessee, Chattanooga	James Supply Company
Tennessee, Knoxville	
Tennessee, Memphis	Wesco Supply Company
Tennessee, Nashville	
Texas, Dallas†	Southwest G-E Co
Texas, El Paso†	
Texas, Houston†	Southwest G-E Co.
Texas, San Antonio	
Utah, Salt Lake City†	Capital Electric Company
Virginia, Norfolk‡	Southern Electric Company
Virginia, Richmond	Southern Electric Company
Washington, Seattle†	Pacific States Electric Co.
Washington, Spokane	Pacific States Electric Co.
Washington, Tacoma	
West Virginia, Bluefield	
West Virginia, Charleston†	Virginian Electric, Inc.
Wisconsin, Milwaukee	G-Q Electric Co.

‡ No G-E Office † Warehouse § Service Shop

General Electric Company factories are located in forty cities.

For Canadian business: Canadian General Electric Company, Ltd., Toronto, Canada

Distributors for the General Electric Company Outside of the United States

INTERNATIONAL GENERAL ELECTRIC COMPANY, INC.

120 Broadway, New York, N. Y. **Schenectady, N. Y.**

GE-954

GENERAL ELECTRIC

Elbows & Shoes (Conductor Pipe)—Continued

Ohio Corrugating Co., Warren, O.
Reeves Mfg. Co., Dover, O.
Republic Metalware Co., 100 Alabama, Buffalo, N. Y.
Robertson Bros. Mfg. Co., 5401 S Western av, Chicago, Ill.
Scott Roofing & Mfg. Co. (Corrugated, etc), 498 Culvert, Cincinnati, Ohio
Souther E. E. Iron Co., Klenlin & Hamburger, St. Louis, Mo.
Tiffin Art Metal Co., 20 Broad, Tiffin, O.
Whitaker-Glessner Co. (Wheeling Corrugating Dept.), **Wheeling, W. Va.**

4210—Election Booths (Steel or Wood)

Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Central Metal Products Co. ("C. M. P."), Canton, Ohio
Van Dorn Iron Works Co. (Steel only), 2700 E. 79th, Cleveland, O.
See adv index at end of book

4211—Electric Blasting Apparatus

See also Blasting Fuses, Caps, etc
Rendrock Powder Co., 128 Front, New York

Electric Car Lighting Apparatus

See Car Lighting Apparatus

4212—Electric Heating & Ironing Outfits (Shoe Factory)

Electric Light Fixtures

See Electric & Gas Light Fixture Mfrs.

4213—Electric Light Plants (Portable or Stationary)

Acme Road Mach. Co., Frankfort, N. Y.
Alamo Farm Light Co., Hillsdale, Mich.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Am. Battery Co. ("American" Portable or Stationary), 2055 N Racine av, Chicago, Ill.
Andrae Julius & Sons Co., 861 B'way, Milwaukee, Wis.
Armstrong Mfg. Co., Waterloo, Ia.
Atlas Elec. Storage Battery Co., Greenville, Mich.
Automatic Light Co., Ludington, Mich.
Carlisle & Finch Co., 239 E. Clifton av, Cincinnati, O.
Central Electric Co., 316 S Wells, Chicago, Ill.
Commercial Elec. Supply Co., B'way & Spruce, St. Louis, Mo.
Consolidated Utilities Corp., 730 S. Michigan av, Chicago, Ill.
Cushman Motor Wks., Lincoln, Neb.
Dayton Electric Mfg. Co. (For Home, Farm or Factory), **Dayton, Ohio**
Delco Light Co. ("Delco-Light"), Dayton, Ohio
Edison Storage Battery Co., Orange, N. J.
Electrical Testing Co., Peoria, Ill.
Ell Bridge Co., Jacksonville, Ill.
Engberg's Elec. & Mechanical Wks., St. Joseph, Mich.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Fay & Bowen Engine Co., Geneva, N. Y.
Fitz Water Wheel Co., Hanover, Pa.
Friday Mach. & Supply Co., Sigourney, Ia.
Frost Engineering Co., Evansville, Wis.
Gas Engine & Power Co., Morris Heights, New York
Gasoline Engine Equipment Co., 347 Madison av, New York
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
General Gas Electric Co., Hanover, Pa.
Globe Electric Co., 28 Keefe av, Milwaukee, Wis.
Gray Elec. Co., Springfield, O.
Gray Motor Co., Ford bldg., Detroit, Mich.
Hur Engine Co., Portsmouth, O.
Hunt Rodney Mach. Co., Orange, Mass.
Korsmeyer Co., Lincoln, Neb.
Kewanee Private Utilities Co., Kewanee, Ill.
Lally Light Corp., 1742 Rivard, Detroit, Mich.
Langstadt & Meyer Co., Appleton, Wis.
Lauson-Lawton Co., DePere, Wis.
Main Electric Co. ("Main Light"), Cleveland, O.
Marron Mfg. Co., Rock Island, Ill.
Matthews Engineering Co. (For Homes, etc.), Sandusky, O.
Mayhew Co., 867 31st, Milwaukee, Wis.
Merrell Co., Toledo, O.
Moon Mfg. Co. (Portable; also Marine), 122 N Jefferson, Chicago, Ill.
Nichols & Wright Motor Co., 23 Parkridge av, Buffalo, N. Y.
Park C. W. (Portable), Leavenworth, Kans.
Parker Chas. H. & Son, 1520 Wazee, Denver, Colo.
Regal Gasoline Engine Co., Coldwater, Mich.
Roberts-Hamilton Co., 413 S Fourth, Minneapolis, Minn.
Schug Elec'l Mfg. Co., 253 E. Larned, Detroit, Mich.
Silvey Elect. Co., Dayton, O.
Sturtevant B. F. Co. (Gasoline Elect.), 15 Damon, Hyde Park, Mass.
United Engine Co., Lansing, Mich.
Universal Battery Co., 3410 S La Salle, Chicago, Ill.
Universal Motor Car Co., Oshkosh, Wis.
Western Elec. Co., 463 West, New York
Wisconsin Fdry. & Mach. Co., Madison, Wis.

Electric Light Poles

See Poles, Iron & Steel, Flag & Street; also Ties, Poles & Posts

4214—*Electric Lighting Plants for Yachts

Fay & Bowen Engine Co., Geneva, N. Y.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*

4215— Electric Lighting Sets

Allis-Chalmers Mfg. Co. (Steam Engine & Turbine, Oil & Gasoline Engine Drive), Milwaukee, Wis.
See adv index at end of book
American Blower Co., 6004 Russell, Detroit, Mich.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Ideal Electric & Mfg. Co., Mansfield, O.
Imperial Electric Co., Akron, O.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

4216—Electric Lighting Systems (Auto)

Brown John W. Mfg. Co., Columbus, O.
Connecticut Telephone & Electric Co., Meriden, Conn.
Cushman Motor Works, Lincoln, Neb.
Electric Auto-Lite Co. ("Auto Lite"), Mulberry & Champlain, Toledo, Ohio
Gray Motor Co., Det. Tenn. R.R. & Niack. Detroit, Mich.
Hoosier Storage Battery Co., 414 Locust, Evansville, Ind.
Northwestern Mfg. Co., 482 Clinton, Milwaukee, Wis.
Owen-Dyneto Corp., 301 Wolf, Syracuse, N. Y.
United States Light & Heat Corp. ("U S L"), Niagara Falls, N. Y.

4217-8— Electric Novelties

Electric Appliance Co. ("Morse" High Grade Electric Belts, Electric Insoles, Inhalers, etc), Burlington, Kans.
Interstate Electric Novelty Co., 60 Tillary, Brooklyn, N. Y.
Union Battery Co. (Miniature), Belleville, N. J.

4219— Electric Supplies

Alexander & Lavenson, 926 Howard, San Francisco, Cal.
Armstrong, Wolfe, Zimmerman Co., 1st av & Market, Pittsburgh, Pa.
Baldwin Supply Co., 901 Virginia E, Charleston, W. Va.
Berks Engineering Co., Reading, Pa.
Bissell, F. Co., 226 Huron, Toledo, Ohio
Blumenthal-Kahn Elec. Co., 518 N Charles, Baltimore, Md.
Boetticher & Kellogg Co. (Dlrs.), 124 Upper First, Evansville, Ind.
Brown Hunkle Corp., 26H Mechanic, Newark, N. J.
Burchard, Wm. A. Co., Inc., 60 Commerce, Norfolk, Va.
Carroll Electric Co., 714 12th NW, Washington, D. C.
Carter Electric Co., 63H Peachtree, Atlanta, Ga.
Charleston Electrical Supply Co., Kanawaka, Charleston, W. Va.
Chattanooga Electric Co., 239 E Main, Chattanooga, Tenn.
Clark, Jas., Jr., Electric Co., 526 N. Main, Louisville, Ky.
Clark's Supply House, Noblesville, Ind.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Co-Operative Electric Supply Co. (Dlrs), 120 N Union, Chicago, Ill.
Cowie E. S. Electric Co., 1818 McGee, Kansas City, Mo.
CUTLER-HAMMER MFG. CO., 12 & St. Paul av, Milwaukee, Wis.
See adv index at end of book
Dunham Carriahan & Hayden Co., Dept. H, Kansas & Division, San Francisco, Cal.
ECONOMY FUSE & MFG. CO., Greenview av at Diversey Parkway, Chicago, Ill. *See adv index at end of book*
Fobes Supply Co., 560H 1st av, Seattle, Wash.
Front Supply Co., Wheeling, W. Va.
Garrett, Miller & Co., Wilmington, Del.
Gee Electric Co., Wheeling, W. Va.
GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book
Graham-Reynolds Electric Co., 300 E 3d, Los Angeles, Cal.
Gray Geo. A. Co., 910 Howard, San Francisco, Cal.
Home Electric Co., 1923 A, Tacoma, Wash.
Illinois Electric Co., 314 W Madison, Chicago, Ill.
Illinois Electric Co., 315 S San Pedro, Los Angeles, Cal.
Industrial Controller Co., 890 Greenbush, Milwaukee, Wis.
Interstate Electric Co., 356 Barrone, New Orleans, La.
Johns Manville H. W. Co., Madison av & 41st, New York
Johns-Pratt Co., The ("Noark" Fuses & Accessories), Hartford, Conn.
Kelley-Duluth Co., 12 W Superior, Duluth, Minn.
LE VALLEY VITAE CARBON BRUSH CO. (Carbon & Graphite Brushes for All Electrical Purposes), 70-100 E 45th, New York
See adv index at end of book
Listenmalter & Gough Inc., 819 E 1st, Los Angeles, Cal.
Lucas Supply & Equipt. Co., 109 N George, York, Pa.
MacMillan John W., 201 N Los Angeles, Los Angeles, Cal.
Majestic Elec. Appliance Co. ("Majestic"), 590 Folsom, San Francisco, Cal.
Marshall Wells Co., Duluth, Minnn.
Mathews Electric Supply Co., Birmingham, Ala.
Mathias-Hart Co., 516 Atlantic av, Boston, Mass.
Mills & Lupton Supply Co., 1146 Market, Chattanooga, Tenn.
National Electrical Supply Co., 1330 New York av, N. W. Washington, D. C.
National Mill Supply Co. (Dlrs.), Ft. Wayne, Ind.
North Coast Electric Co., Spokane, Wash.
North East Electric Co. ("North East"), Dept H, Rochester, N. Y.
Northwestern Supply Co., 704 Pacific Tacoma, Wash.
Ohio Distributing Corp., 622 W Adams, Chicago, Ill.
Oliver Bros. (Also Radio), 71 Murray, New York
Parke John Y. Co., 29 N 7th, Phila., Pa.
Preston Bros., Dept H, Norwich, Conn.
Reiman Wholesale Electric Co., 224 E 3d, Los Angeles, Cal.
Sachs, Wm. A., Germantown av & Girard, Philadelphia, Pa.
Slocum & Kilburn, New Bedford, Mass.
Sloss & Brittain, 99H Beale, San Francisco, Cal.
Southern Electrical Co., 3d & E, San Diego, Cal.
Southern Electric Co., 9H S. Gay, Baltimore, Md.
Southern Jobbers & Supply Co., 515 S Peters, New Orleans, La.
Tennessee Mill & Mine Supply Co., 316 State, Knoxville, Tenn.
Washington Electric Supply Co., 152 S Monroe, Spokane, Wash.
Western Plumbing Supply Co., 1 Plumbers & Steamfitters), 3228 W. Fillmore, Chicago, Ill.
Westgate Metal Products Co., E 12th & 47th av, Oakland, Cal.
WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa.
See adv index at end of book
Williamson Supply Co., Williamson, W. Va.
Woodhouse Electric Co., Norfolk, Va.
Woodill & Hulse Electric Co., 111 E 3d, Los Angeles, Cal.

Electric Railway Contractors

See Contractors, Building & General

4220—Electric & Gas Light Fixture Mfrs.

ALABAMA.

BIRMINGHAM—Mathews Electric Supply Co. (Jobbers)

ARIZONA.

PHOENIX—Thoma E & Co.

CALIFORNIA.

ALAMEDA—Bechtle Otto.
FRESNO—Fresno Electric Co., 2320 Tulare
Lewis Electric Co., 1917 Fresno
Valley Electrical Supply Co., 1817 Tulare
LOS ANGELES—Angelus Lighting Fixture Co., 746 S Figueroa
Architectural Iron Works of Cal., 1209 S San Pedro
Art Metal Co., 1640 N Spring
Beacon Light Co.
California Chandelier Corp. (Whol.), 118½ E 9th
California Fixture Co., 1112 S Hope
Feldman J. M. Co., Inc., 740 S Wall
Forve-Pettebone Co.
Green H. L.
Hall-De Baun Co., 336½ S B'way
Marbelite Corp. of America ("Marbelite" Electroliers), 3248 Long Beach av, Los Angeles, Cal.
Metalite Co., 649 S Clarence
Meyberg Co.
National Fixture Co., Inc., 733 S B'way
Newbery Elec. Corp., 724 S Olive
Pacific Coast Electrical Supply Co., 509 E 7th
Pacific Lighting Fixture Co., 113 W 9th

(*Continued on page 992*)

OUR ELECTRIFIED CIVILIZATION



In the Home

Air Heaters
Auto Engine Heaters
Automatic Ranges
Bell Ringers
Cozy Glows
Curling Irons
Fans
Fuses
Hot Plates
Irons
Lighting Equipment
Mazda Lamps
Meters
Micarta
Motors for
Buffers
Grinders
Ice Cream Freezers
Motors for
Ironers
Sewing Machines
Vacuum Cleaners
Washing Machines, etc.
Newel Posts
Percolators
Radio Equipment
Rectigon for Charging Automobile and Radio Batteries
Safety Switches
Solar Glows
Table Stoves
Transformers
Turnover Toasters
Waffle Irons
Warming Pads
Water Heaters

Where Westinghouse Serves

At home, at work, at play, and on your way from one to the other, you live in an electrified world made possible by the generation and transmission of *alternating current*—the great contribution of George Westinghouse to his fellow men.

The organization which he founded has made the application of this power to every phase of human activity so natural and simple that few realize how it has revolutionized our civilization.

WESTINGHOUSE ELECTRIC & MFG. CO.
Offices in all Principal Cities Representatives Everywhere



In the Office and Store

Air Heaters
Bread-baking Ovens
Chocolate Warmers
Elevators and Control
Fans
Fuses
Mazda Lamps
Meters
Motors for
Adding Machines
Addressing Machines
Motors for
Coffee and Meat Grinders, etc.
Dictaphones
Duplicating Devices
Envelope Sealers
Tickers
Panel Boards and Switches
Safety Switches
Ventilating Equipment



On the Street

Street Railway Equipment

Arc Welding Equipment
Automatic Sub-stations
Babbitting Outfits
Babbitt Metal
Baking Ovens
Circuit-breakers
Control Equipment
Fans
Gears and Pinions
Insulating Materials
Lightning Arresters
Lighting Fixtures
Line Material
Machine Tool Motors
Mazda Lamps
Motors
Portable Substations
Relays
Solder and Babbitt Pots
Switches
Transformers
Trolley Poles

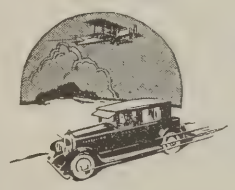
Street Lighting Equipment

Cables and Conduit
Control Apparatus
Mazda Lamps
Ornamental Posts
Street Hoods
Transformers



In the Theatre

Fans
Lighting Equipment
Mazda Lamps
Motor Generators
Pre-set Switchboards
Rectifiers
Safety Panel Boards
Safety Switches



Automotive Equipment

Ammeters
Generators
Ignition Equipment
Lighting Equipment
Mazda Lamps
Micarta Propellers
Starting Motors
Switches
Timing Gears
Voltmeters



At Sea

Condensers and Auxiliaries
Electric Heating Apparatus
Engine Room Auxiliaries
Fans
Galley Equipment
Generators
Insulating Material
Light and Power Plants
Mazda Lamps
Motors and Control
Meters
Propulsion Equipment
Pumps
Reduction Gears
Switchboards
Turbines
Ventilation



On the Farm

Curling Irons
Fans
Fuses and Fuse Boxes
Irons
Mazda Lamps
Motors for all Home Appliances
Motors for Power Purposes
Out-door Switch Houses
Percolators
Power Stand
Radio Equipment
Switches
Toasters
Transformers
Waffle Irons and the Westinghouse Light and Power Plant



On the Railroads

Arc Welding Equipment
Automatic Sub-stations
Baking Ovens
Circuit Breakers
Control Apparatus
Electric Heating Apparatus
Electric Locomotives
Fans
Gears and Pinions
Generators
Headlight Equipment
Instruments
Insulating Materials
Lighting Equipment
Lightning Arresters
Line Material
Mazda Lamps
Motor Car Equipment
Motors
Motors and Control for Shops
Pantagraphs
Power House Apparatus
Solder and Babbitt Pots
Stokers
Switches
Transformers



In Mines

Arc Welding Equipment
Automatic Starters and Controllers
Automatic Sub-stations
Battery Charging Equipment
Circuit Breakers
Electric Heating Apparatus
Fans
Gears and Pinions
Headlights
Insulating Materials
Lightning Arresters
Line Material
Locomotives
Mazda Lamps
Motors for Hoists, Pumps and Tipples, or Breakers
Motor Generators
Portable Substations
Switchboards
Synchronous Converters
Transformers
Ventilating Outfits



In Light and Power Plants

Circuit-breakers
Condensers
Control Apparatus
Fans
Frequency-changers
Generators
Instruments
Insulators
Lighting Material
Lightning Arresters
Meters
Motors
Motor-Generator Sets
Panels and Switchboards
Pumps
Relays
Synchronous Converters
Steam Turbines
Stokers
Switchboards and Switching Equipment
Transformers
Voltage Regulators



In Mills and Factories

Arc Welding Equipment
Automatic Starters and Controllers
Circuit-breakers
Fans
Furnaces and Ovens
Fuses
Glue Cookers
Insulating Materials
Knife Switches
Lighting Equipment
Locomotives
Mazda Lamps
Meters
Micarta Gears
Motors
Panels and Switchboards
Power House Apparatus
Safety Switches
Space Heaters
Static Condensers
Stokers
Transformers
Ventilating Equipment

Westinghouse

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Electric & Gas Light Fixture Mfrs.—Continued

CALIFORNIA—Continued
LOS ANGELES—Standard Brass. Mfg. Co., 1044 S Los Angeles
United Elec. Supply, Inc., 105 E 8th
Wagner-Woodruff Co., 830 S Olive
Western Light & Fixture Co., 301 S Los Angeles
OAKLAND—Maxwell Hardware Co., 1320 Washington
PASADENA—Wilkinson-Scott Co., 176 E Union
SACRAMENTO—Hecker Electric Works ("Art Light"), 2210 10th
Hobrecht J. C. Co., 11th & K
Scott Lyman & Stack, 419 J
SAN DIEGO—Southern Electrical Co., 3d & E
SAN FRANCISCO—Brass & Bronze Lighting Fixture Co.
Burtchaell John W., 434 Larkin
Coefield Mfg. Co., 51 Shipley
Day Thomas Co., 725 Mission
Hufschmidt L. A. Mfg. Co., 773 Mission
Ickelheimer Bros. Co., 439 Sutter
Incandescent Supply Co., 726 Mission
Koven Mfg. Co., 444 Hayes
Moe Bridges Co., 933 Mission
North End Mfg. Co., 606 Commercial
Rau Samuel, 232 5th
Roberts Mfg. Co., 663 Mission
United Lighting Fixture Co., 1149 Mission
Wizard Electric Lamp Co. ("D'Light"), 147 New Montgomery
SAN JOSE—Baker T. E. & Sons Co.
STOCKTON—Patzer's Electrical Works, 133 N California

COLORADO.

DENVER — Poindexter Supply Co., 1440 Sout
Sechrist Albert Mfg. Co.

CONNECTICUT.

MERIDEN—Bradley & Hubbard Mfg. Co.
Brenner Bros. Mfg. Co.
Miller Edw. & Co.
Parker Chas. Co.
WATERBURY — Waterbury Button Corp. (Molded. Electric Composition), 831 S Main
See adv index at end of book
Waterbury Metal Wares Co. ("Wa Me Co." Adjustable Clusters, etc.)
Waterbury Mfg. Co., Division Chase Companies, Inc.

DISTRICT OF COLUMBIA.

WASHINGTON—Catlin, Elmer H. Co., 309 13th, N W

ILLINOIS.

CHICAGO—Alco Mfg. Co., 18 E Kinzie
Baehker F., 2531 Milwaukee av
Beardslee Chandelier Mfg. Co. ("Denzer"), 216 S. Jefferson
Benjamin Electric Mfg. Co. ("Benjamin"), 120 S Sangamon
Central Chandelier Co., 1547 Fulton
Dallas Brass & Copper Co., 820 Orleans
Decorators' Supply Co. (Composition), **Archer av & Leo, Chicago, Ill.**
Edwards Lighting Fixture Co., 20 E **Lake**
Everson C. G. & Co., 70 W Lake
Framburg H. A. & Co., 3820 Carroll
Friedly Veshardt Co., 733H S Halsted
Garden City Chandelier Co., 2522 N Cicero
General Lighting Fixture Co., 28 W Lake
Harter Mfg. Co. ("Nitrolites," "Deluxlites," Indirect, "Semi-Indirect"), 521 S Clinton
Herwig Co. (The), ("Ventilate" Nitrogen Lamp & Ornamental Cast Metal Out Door Lighting), 1757 Sedgwick
See adv index at end of book

THE HERWIG CO.
Manufacturers of
Cast Metal Outdoor Lighting Fixtures; also Commercial Factory and Garage Lighting Fixtures
1753-59 Sedgwick St. Chicago, Ill.

Hovorka John D., 3509 W 12th
Jacobs C. B., 5403 Rice
Jefferson Elec. Mfg. Co., 430 S Green
Metallic Mfg. Co., 3711 S Ashland
Moran & Hastings Mfg. Co., 18 W Washington
Moran & Macnair, 72 W Lake
National X Ray Reflector Co., 220 S State
Pattison J. L. & Co., 1635 W Jackson blvd
Pearlman Victor S. & Co., 533 S. Wabash av
Peerless Light Co. ("Peerlite"), 663 Washington blvd, Dept. H
Peters H. J. Co., 227 W Huron
Rush Bros. Co. (White Porcelain), 1922-24 Archer av
Warren Walter G. , & Co., 1401 W Jackson blvd
Williamson R. & Co., 601 Washington
Wilmarth T. W. Co., 324 W Superior
Wilson & Wilk Co., 1540 Milwaukee av
DECATUR—Farles Mfg. Co. (Adustable)
ELGIN—Elgin Brass & Electrical Mfg. Co.
PEORIA—Peoria Electric Fixture Co.
ROCK ISLAND—Franks Mfg. Co. ("Pianolite")
ST. CHARLES—Crown Electrical Mfg. Co.
St. Charles Fixture Mfg. Co.
SPRINGFIELD—Haas R. Electric & Mfg. Co. (Combination Fixtures)

INDIANA.

BLUFFTON—Brown W. B. & Co. (Wood)
EVANSVILLE—Boetticher & Kellogg Co. (Dlrs), 124 Upper 1st
INDIANAPOLIS—Golstein Bros., Wash. & Dela.
MUNCIE—Rutherford Bros. Co.

IOWA.

DES MOINES—Superior Fixture Co.
MUSCATINE—Niver Iron Works Co.

MARYLAND.

BALTIMORE—Baltimore Gas Light Co., 307 W Redwood
Butler Victor K. Co., Charles & Centre
Good & Craft, 514 N Eutaw
Hill Walter E & Co., 400 N Howard
Kries Michael A., 303 W Lombard
Walther Geo. W. & Co., 712 N Norwood

MASSACHUSETTS.

BOSTON—Bassett & Wilson ("B. & W." Bracket Supports), 65 Sudbury
Bigelow Kennard & Co., 511 Washington
Finch J. H. Co., 24 Beach
Ireland Robt. D. & Co., 278 Boylston
McKenney & Waterbury Co., 181 Franklin
New England Brass & Fixture Co., 47 Summer
Pettingell-Andrews Co. ("Execuplor," Electric), 511 Atlantic
Shreve, Crump & Low Co., 147 Tremont
Tarbell E. H. Co., 15 Washington
Wheeler Reflector Co. (Electric), 275 Congress
CAMBRIDGE—Cambridge Brass Co., 815 Somerville
NEW BEDFORD—Fairpoint Corporation
WORCESTER—White O. C. CO., 17 Hermon

MICHIGAN.

COLDWATER—Champion Brass Works
DETROIT—Barnes-Gayney Co. ("No-Jar" Gymn, Electric), 1439 B'way
Barnum E. T. Wire & Iron Works, 501-23 Cass av
Detroit Lighting Fixture Co., 152 E Jefferson
Lincoln Mfg. Co., 2630 Erskine
Miller Light & Fixture Co., 2841 Gratiot av
Netting C. J. Co., 1504 Randolph
Seidler-Miner Co., 134 E Larned
Walker H. L. Co., 27 E Jefferson av
GRAND RAPIDS—Weatherley Co.
LANSING—Allen-Sparks Gas Light Co.

MINNESOTA.

MINNEAPOLIS—Andresen Jacob Co., 258 3rd av S
Minneapolis Gas Fixture Co., 814 Hennepin av
Twentieth Century Brass Works, Fifth av, S W
ST. PAUL—Minnesota Chandelier Co. 369 Jackson

MISSOURI.

KANSAS CITY—Bailey-Reynolds Chandelier Co., 1535 McGee
Stephens Gas Electric Chandelier Co. 1016 McGee
ST. LOUIS—Brascolite Co. ("Brascolite." "Aglite," "Industrolite," "E-Lite"), Jefferson & Washington av
Gross Chandelier Co., 2006 Morgan
Kraushaar Brass Mfg. Co., 919 Pine
Reflectoyle Co., 914 S. Pine, Dept H
St. Louis Brass Mfg. Co., Jefferson & Washington av
Schaefer Brass Mfg. Co., 815 Clark av

NEBRASKA.

OMAHA—Burgess-Granden Co.

NEW JERSEY.

BLOOMFIELD—Baylis Co.
BRIDGETON—Bridgeton Chandelier Co.
Crescent Art Metal Co.
NEWARK—Davidson Chas., Osborne tr
Jaehling Gas Fixtures Co., 221 13th av
Penn H. M. Co., 306 Washington
Storsberg Fritz Co., 20 Atlantic
TRENTON—Trenton Gas & Elec. Fixture Mfg. Co.

NEW YORK.

JAMESTOWN—Ellison Brass Mfg. Co.

NEW YORK CITY.

Borough of Brooklyn

BROOKLYN—Bayley & Son, 105 Vanderveer
Findlay Robert Mfg. Co., 28 Warren, New York
Gaites, Peace & Co., 204 Willoughby
Hudson Brass Works, 16 Nassau
Walbroehl & Co., 2718 Myrtle av
White J. H. Mfg. Co., 111 N 3d

Boroughs of Manhattan and Bronx.

NEW YORK—Acme Gas & Electric Fixture Co., 132 W 14th
Acme Lighting Fixture Co., 107 W 13th
Albert Fixture Co., 136 E 41st
Almar Mfg. Co. (Wood), 206 5th av
Americolite Co., 231 10th av
Archer & Pancoast Co., 507 W 24th
Armor Bronze Co., 236 5th av
Artistic Lighting Fixture Corp., 21 E Houston
Bagues Freres Co., 25 W 54th
Black & Boyd Mfg. Co., 17 E 47th
Bradley & Hubbard Mfg. Co., 200 5th av
Brassart Fixture Co., 20 Warren
Butensky L., 160 Wooster
Caldwell Edw. F. & Co., 33 W 15th
Central Chandelier Co., 122 5th av
Centre Lighting Fixture Mfg. Co., 170 Centre
Colonial Chandelier Works, 122 Centre
Columbia Gas & Electric Fixture Co., 61 Broadway
Cory Chas. & Son Inc., Dept. H, 183 Varick
Dale Lighting Fixture Co., 107 W 13th
Eclipse Light Co., 583 B'way
Eisenberg M. & Son, 224 Centre
Empire Lighting Fixture Co., 125 5th av
Falkenbach Mfg. Co. (Woodfibre), 159 E 54th
Ferro-Studio Inc., 228 E 150th
Freeman Philip & Bros., 93 Bowery
Fullerton Electric Co., 230 W 17th
Hasbrouck-Bergen Co., 218 E 41st
Heather R. C. Co., 19 W 36th
Knickerbocker Chandelier & Electrical Supply Co., 325 W 42d
Leveridge Chas. W. (Electric Only), 246 Fulton
Lighting Appliance Co. ("Laco" Brand), 7 Desbrosses
Lightolier Co., 569 B'way, New York
McFaddin H. G. & Co., 38 Warren
Miller Edw. & Co., 68 Park pl
Mitchell Vance Co., 507 W 24th
Municipal Lighting Co., 120 E 15th
Paragon Electric Co. (Jobbers), 446 7th av
Pellegrini A. & Co., 218 W 20th
Planetlite Co. Inc. ("Planetlite"), 342 Madison av
Plaut L. & Co. (For the Trade Only), 432 E 23d
Reading Hardware Co. (Chandeliers), 50 Franklin
Shapiro & Aronson, 20 Warren
Silvestro C., 4149 Park av
Simes Co., 22 W 15th
Sterling Bronze Co., 201 E 12th
Tiffany Studios, 361 Madison av
Tuck A. J., 344 E 42nd
Union Gas Fixture Co., 325 W 42nd
Wahle-Phillips Co, 101 Park av
Walsh Owen Mfg. Co., 225 6th av
Wilson J. G. Corp. (Mill, Office & Restaurant), 11 E 36th
Wrought Iron & Art Glass Fixture Co., 195 Canal
Wyle J. J. & Bros., Inc. (Cut Glass Chandeliers), 25 E 27th

(End of New York City)

UTICA—Seneca Brass & Plating Works
Utica Brass Works

OHIO.

CINCINNATI—National Plastic Relief Co., 907 Evans
Peoples Lighting Fixture Co., 6th & Main
CLEVELAND—Acme Mfg. Co., 312 High av
Art Metal Mfg. Co., E 61st & Curtiss av
Broeder-Seigle Mfg. Co., 5915 Bonna av
Brookins Co., 1747 Euclid av
Collins Clarence H. Co., 4404 Euclid
Crescent Brass Products Co., 3416H Lake av
Euclid Av. Electric Fixture Co., 5313 Euclid av
Haas Electric Sales Co. ("Hescolite"), 638 Huron
Kayline Fixture Co., 312 High av
Metropolitan Gas & Electric Fixture Co., 1767 E 55th
Modern Electric Co., 5317 Euclid av
Morreau Co., 1303 Oregon av N E
Novelty Lamp & Shade Co., 2490 E 22nd
Scott-Ullman Co., 3311 Perkins av, N E
COLUMBUS—Cussins Charles D. Co. (Dealers), 170 N 3d
Enzor-Hoel Co., 67 E Chestnut
Federal Mfg. Co., 168 W Long
SPRINGFIELD—Springfield Gas Fixture Co.
TOLEDO—Riddle Ed. N. Co., 611 St. Clair
Willys Light Div. Electric Auto-Lite Corp. ("Willys Light")
TROY—American Fixture & Mfg. Co.
Metallic Novelty Co.
URBANA—Mohrlite Co.
VERMILION—Wakefield F. W. Brass Co.

OREGON

PORTLAND—Baker Mfg. Co., 265 16th
English Co., 148 5th
Knight E. L. & Co., 449 Washington
Lutz, Stanley, 3rd & Madison

PENNSYLVANIA.

ALLENTOWN—Royal Chandelier Works, 12 S Hall
PHILADELPHIA — Biddle - Gaumer Co., 3846 Lancaster av
Frechil Jos. E. & Co., 27 N 7th
Heller C. B., 622 Arch
Horn & Brannen Mfg. Co., 427 N Broad
Lloyd-Garrett Co., 15th & Locust
Sulzer & Co., 252 N 11th
Voight Co. (Composition), 1743-1749 N 12th
Ward Robert J. & Co. (Electric), 247 S 13th
PITTSBURGH—Pittsburgh Gas & Electric Fixture Co., 423 Penn
Pittsburgh Lamp, Brass & Glass Co. (Indirect), 120 7th
READING—Keystone Gas Fixture Works
Reading Chandelier Works
WILKES BARRE—Shepherd & Rust

RHODE ISLAND.

PROVIDENCE—Providence Gas & Electric Fixture Co., 9 Fenner

WASHINGTON.

SEATTLE—Perfeclite Mfg. Co. ("Perfeclite"), 119 Main

WEST VIRGINIA.

WHEELING — Wheeling Art Metal Mfg. Co. (Boudoir Stands, Wrought Iron), 161 19th

WISCONSIN.

MILWAUKEE—Grassler & Gezelschap (Gas), 217 3rd
Massino J. Mfg. Co., 137 Holton
Moe-Bridges Co., 236 B'way
Polackeck Chas. & Bro. Co., 217 3rd
WATERTOWN—Brandt-Dent Co.

4220a—Electric and Gas Light Fixture Parts

See also Specific Parts

American Brass & Copper Co., 138 Lafayette, New York
American Pin Co., Waterbury, Conn.
Art Craft Fixture Co., 328 Adams, Newark, N. J.
Beaver Machine & Tool Co., Inc., 625 N 3rd, Newark, N. J.
Caldwell Edward F. & Co., Inc., 40 W 15th, New York
Cambridge Brass Co., 815 Somerville av, Cambridge, Mass.
Champion Brass Works, Coldwater, Mich.
Crescent Brass Products Co., 8410 Lake av, Cleveland, Ohio
Dallas Brass & Copper Co., 820 Orleans, Chicago, Ill.
Day Thos. Co., 725 Mission, San Francisco, Cal.
Faries Mfg. Co., Decatur, Ill.
Franklin Brass Foundry Co., Inc., Reading, Pa.
Harter Mfg. Co., 522 S Clinton, Chicago, Ill.
Hudson Brass Works, 16 Nassau, Brooklyn, N. Y.
Hyman Henry & Co., 476 B'way, New York
Jones Brass & Iron Specialty Co., 617 Fulton, Chicago, Ill.
Lightolier Co., 569 B'way, New York
Matchless Brass Mfg. Co., 57 Jay, Brooklyn, N. Y.
National Specialty Mfg. Co., 3d & Lehigh av, Phila., Pa.
Peerless Light Co., 663 W Washington blvd, Chicago, Ill.
Plume & Atwood Mfg. Co., 470 Bank, Waterbury, Conn.
Reading Brass Works, Reading, Pa.
Rome Metal Products Co., 23 W 43rd, New York
Simplex Brass Foundry, Perth Amboy, N. J.
Standard Electric & Mfg. Co., Cedar Rapids, Iowa
Steel City Electric Co., 1207 Columbus av, Pittsburgh, Pa.
United Metal Mfg. Co., Inc., Norwich, Conn.
Vester Alfred Sons, Inc., 5 Mason, Providence, R. I.
Virden Co., 6103 Longfellow av, Cleveland, Ohio
Wakefield F. W. Brass Co., Vermilion, O.
Waterbury Mfg. Co., Waterbury, Conn.
White J. H. Mfg. Co., 111 N 3rd, Brooklyn, N. Y.

4221—Electric & Gas Light Portables

See also Electric & Gas Light Fixture Mfrs.; also Portables Electric

Amboy Works, Perth Amboy, N. J.
Boston Brass Andiron Co. (Electric), 83 Haverhill, Boston, Mass.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Farber S. W. (also Showers & Domes), 147 S 5th, Brooklyn, N. Y.
Faries Mfg. Co. (Adjustable), Decatur, Ill.
Kraushaar Brass Mfg. Co. (Adjustable, also Newels or Portables), 919 Pine, St. Louis, Mo.
Miller Edw. & Co., Meriden, Conn.
Parker Chas. Co., Meriden, Conn.
Quaker City Brass Works, Phila, Pa.
Voight Co. (& Floor), 1743-1749 N 12th, Phila., Pa.

4222—Electrical Engineers & Contractors

Androphy Electric Co., Derby, Conn.
Anthracite Elec'l Co., 122 Adams av, Scranton, Pa.
Axtell Lewis D., Springdale, Conn.
B. & C. Electric Co., 207 Merc pl, Los Angeles, Cal.
Barnes & Armbruster, 912 Myrtle, Scranton, Pa.
Bay Electric Co., Oakland, Cal.
Berks Engineering Co., Reading, Pa.
Blumenthal-Kahn Elec. Co., 518 N Charles, Baltimore, Md.
Braun Wm. & Co., 30 Church, New York
Burchard, Wm. A. Co., Inc., 56-60 Commerce, Norfolk, Va.
Burkhart E. F., Palo Alto, Cal.
Byllesby Engng. & Management Corp., 208 S La Salle, Chicago, Ill.
Cable Howard E., Darien, Conn.
Carroll Michael A., Waterbury, Conn.
Chase R. S., 1114 24th av, Minneapolis, Minn.
Clyne R. G., 1911 N 12th, St. Louis, Mo.
Cook A. E. & Co., Meriden, Conn.
Cornell, W. G. & Co., 45 E 17th, New York
Crescent Electric Co., 511H W. Jackson blvd, Chicago, Ill.
Crook H. E. Co., Inc., 28 Light, Baltimore, Md.
Crowder H. N. Jr. Co., Easton, Pa.
Cullen Frederick M., Norwalk, Conn.
Cunningham G. F., San Diego, Cal.
Davis C. L., Whittier, Cal.
E. J. Electric Installation Co., 155 E 44th, New York
Emery Chas. W., Greenwich, Conn.
Faser Bros., San Jose, Cal.
Fisher John S., Danbury, Conn.
Folts H. C., Pasadena, Cal.
Freyn Brassert & Co., 310 S Michigan av, Chicago, Ill.
Gale Elec. Co., 1119 Broad, Bridgeport, Conn.
Golden St. Electric Co., 748 W 7th, Los Angeles, Cal.
Gonnerman A. W., 336 S Broadway, Los Angeles, Cal.
Goold & Johns, Stockton, Cal.
Graff Engineering Corp., 150 Nassau, New York
Guzman A. J., Rockville, Conn.
Harvey W. A., Burr bldg, Scranton, Pa.
Haskel J. H., Oakland, Cal.
Hennepin Electric Co., 2323 Hennepin av, Minneapolis, Minn.
Hess Wm. H., 60 Main, Oneida, N. Y.
Huntington & Guerry, Greenville, S. C.
Hutchinson P. F., Walnut Creek, Cal.
Illinois Testing Laboratories, 143 W Austin av, Chicago, Ill.
Ives Raymond H., Fairfield, Conn.
Jackson Harold N., Monrovia, Cal.
Kimball Richard D. Co., 15 W 38th, New York
Lansing Elec. Engng. Co., 123H E. Ottawa, Lansing, Mich.
Livingston J. & Co., Inc., 70 E 45th, New York
Luehrs Co. The, 118 St. Clair av N E, Cleveland, Ohio
See adv index at end of book
McCarter & Cooper, 50 Church, New York
McConnell Wm. H., Monterey, Cal.
McNally W. A. & Co., Pasadena, Cal.
Marshall Thos. F., Hollywood, Cal.
Mill & Mine Engngs., Inc., Birmingham Ala.
Mills Harry C., Unionville, Conn.
Mitchell J. L., Oxnard, Cal.
Mongerson Wm. R., Bakersfield, Cal.
Murphy J. E., Bristol, Conn.
Motter's, Geo. F. & Sons, York, Pa.
Ne Page-McKenny & Co., Armour bldg, Seattle, Wash.
Neller, Rich & Co., Manhatten bldg, Chicago, Ill.
New York Calcium Light Co., 451 W 53d, New York
Olsen & Morse, Norwich, Conn.
Osborn Engineering Co., 2348 Prospect av, Cleveland, O.
Patzer Arthur J., Stockton, Cal.
Peter T. A., East San Diego, Cal.
Petrillo Rocco S., 31 Auburn, New Haven, Conn.
Pierson Wilcox Electric Co., 223 S 6th, Minneapolis, Minn.
Priest Geo. L., Oakland, Cal.
Reynolds L. W., Wallingford, Conn.
Risley G. E., Stamford, Conn.
Ritch Justus B., Greenwich, Conn.
Roe Walter H., Spayth Block, Tiffin, Ohio
Runyon & Carey, 345H Broad, Newark, N. J.
Schaller Bros., Torrington, Conn.
Smith F. R., 507 Linden, Scranton, Pa.
Smith G. J. Jr., Milford, Conn.
Smith Raymond, Hazardville, Conn.
Sommers Frank J., San Jose, Cal.
Standard Engineering Co., 2129 Eye, N H, Washington, D. C.
Stevens-Fitch Co., New Haven, Conn.
Stewart Thos. A. Co., Hartford, Conn.
Thye M. P. & Co., 225 E 2nd st, Los Angeles, Cal.
Truswell W. & Sons, 16 Cedar, New York
Tucker Elec. Const. Co., 526 W 34th, New York
Tydeman W. A., Inc., 129 Ferry, Easton, Pa.
Wagner, Gilbert A., Stafford Spring, Conn
Ward Leland A., Naugatuck, Conn.
West Geo. W., Grass Valley, Cal.
White J. G. Engineering Corp., 43 Exchange pl, New York

4223—Electrical Parts & Fittings (Stamped)

Alpha Electric Co. (Jobbers), 155 W 30th, New York
Electric Appliance Co., 408 Canal, New Orleans, La.
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Henson-Blair Mfg. Co., 2828 Emerald st, Philadelphia, Pa.
Magnus Electric Co., Inc., 451 Greenwich, New York
Metalite Co., 649 S Clarence, Los Angeles, Cal.
Waterbury Button Corporation, 831 South Main, Waterbury, Conn.
See adv index at end of book
Westgate Metal Products Co., E 12th & 47th av, Oakland, Cal.
Zeigler Mfg. Co., Alexandria, Ind.

4224—Electrically Welded Fabrics

WICKWIRE SPENCER STEEL CORP., 41 E 42nd, New York
See adv index at end of book

4225—Electro Chemical Apparatus

Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

4226— Electro Plating

American Nickeloid Co. (also Buffing & Polishing), Peru, Ill.
Apollo Products Co., La Salle, Ill.
Art Brass & Plating Works, 539 1st av S, Seattle, Wash.
Backus Corp. (& Polishing), Brandon, Vt.
Bastian Bros. Co., Rochester, N. Y.
Biddle-Gaumer Co., 3846 Lancaster av, Phila., Pa.
Boesch Lamp Co., 962 Mission, San Francisco, Cal.
Boston Brass Co., 135 Bacon, Waltham, Mass.
Brand & Hermann, 247 Centre, New York
Burridge B. W., 461 Bush, San Francisco, Cal.
Cal. Artistic Metal & Wire Co., 349 7th, San Francisco, Cal.
California Plating Works, 143 W Fremont, Stockton, Cal.
Cleveland Plating Co., 3610 Superior, Cleveland, O.
Coast Plating & Enameling Works, 4069 Hollis, Emeryville, Cal.
Coleman Adelbert E., 336 W 37th, Chicago, Ill.
Consolidated Engineering Co., Jacksonville, Fla.
Cooke Jos. S., 20 Jacob, New York
D. H. M. Plating & Enameling Works, 2207 S Main, Los Angeles, Cal.
Dalton John J., 20 Jacob, New York
Detroit Shipbuilding Co. (Brass Dept), ft. Orleans, Detroit, Mich.
Fowler Lamp & Mrg. Co. (All Finishes), 59 E 24th, Chicago, Ill.
Gem Stamped Steel Co. (also Buffing, Polishing), Chelsea, Mass.
Golden West Plating Wks., 131 Mission, San Francisco, Cal.
Gray Iron Fdry. Co. (of Castings), Reading, Pa.
Hague Walter E. & Son, Barker pl, Pittsburgh, Pa.
Halverson Co., 87 E Oak, Portland, Ore.
Harry Bros. Mfg. Co., 282 Woodbridge, E Detroit, Mich.
Haws' Plating Works, 1808 Harmon, Berkeley, Cal.
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
Highton Wm. & Sons Co., Nashua, N. H.
Homan & Co. (Hollow Ware), Cincinnati, Ohio
Ingraham A. S. Co., (Gold, Silver, Nickel, etc.), Attleboro, Mass.
Johnson Bronze Co., New Castle, Pa.
McKenna Brass & Mfg. Co., Inc., 1st av & Ross, Pittsburgh, Pa.
Megquier & Jones Co., Portland, Me.
Metal Crafters, East Stroudsburg, Pa.
Meyer Louis J., 804 Walnut, Phila., Pa.
National Mfg. & Electro Plating Co. (Nickel & Silver), 16 Calender, Providence, R. I.
New Acme Plating Co. (Gold, Silver, Nickel, Brass & Copper), 59 Page, Providence, R. I.
New Haven Plating & Novelty Co. (All Finishes), 31 Artezan, New Haven, Conn.
Newman Mfg. Co., 420 Elm, Cincinnati, O.
Nuss Mfg. Co., Harrisburg, Pa.
Pacific Brass & Hardware Mfg. Co., 1646 N Spring, Los Angeles, Cal.
Pacific Enameling & Plating Co., 17th & Los Angeles, Los Angeles, Cal.
Pacific Wire & Plating Works, 4515 6th av S, Seattle, Wash.
Progressive Plating & Enameling Works, 880 27th, Oakland, Cal.
Richey, Browne & Donald, Flushing av, Maspeth, N. Y.
Rockford Metal Specialty Co., Rockford, Ill.

(Continued on following page)

Electro Plating—Continued

Royal Plating Works, 140 W 17th, Los Angeles, Cal.
St. Louis Brass Mfg. Co., Jefferson & Washington, St. Louis, Mo.
St. Louis Trunk Hardware Mfg. Co., St. Louis, Mo.
Sievering P., 199 Lafayette, New York
SMITH F. P. WIRE & IRON WORKS, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Smith & Johnson Mfg. Co., 2031 Elm, Cincinnati, O.
Spencer's, I. S. Sons, Inc., Guilford, Conn.
Standard Plating Wks., 446 N 12th, Phila., Pa.
Standard Plating Works Inc., 268 1st, San Francisco, Cal.
Star Plating Works, 98 Broadway, Buffalo, N. Y.
Stecker Electric & Machine Co., 3 Dewey, Detroit, Mich.
Superior Elec. Mfg. Co., 2416 University av S E, Minneapolis, Minn.
Taylor & Boggis Foundry Co., Cleveland, Ohio
Tillmann Electro Plating Works, 197 Grand, New York
Washington Stove Wks., 3402-22 Smith av, Everett, Wash.
Westgate Metal Products Co., E 12th & 47th av, Oakland, Cal.
Wisconsin Iron & Wire Works (All Metal Finishes), Milwaukee, Wis.

4227—Electro Plating (Bronze)

See also Electro Plating

Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book

4228—Electro-Therapeutic Apparatus

Empire Electric Co., Inc. ("Vim" Violet Ray), 2227 S San Pedro, Los Angeles, Cal.
Meyer Wm. Co., 1644 Girard, Chicago, Ill.
Rose E. J. Mfg. Co., 824 W Jefferson, Los Angeles, Cal.
Sanitarium Equipment Co., Battle Creek, Mich.
Victor Elec. Corp., 236 S Robey, Chicago, Ill.
Waite & Bartlett Mfg. Co., 53 Jackson av, Long Island City
Western X-Ray Equipment Co., 361 Hayes, San Francisco, Cal.

4229— Electrodes

Acheson Graphite Co. (Carbon Graphite), Niagara Falls, N. Y.
Allan Mfg. & Welding Co., Inc., 728 Washington, Buffalo, N. Y.
See adv index at end of book
American Platinum Works (Platinum), 231 N. J. R. R. av, Newark, N. J.
Anchor Electric Co., 557 W Jackson blvd, Chicago, Ill.
Baker & Co. (Platinum), 54 Austin, Newark, N. J.
Bishop J. & Co. (Platinum), Malvern, Pa.
Blake & Johnson Co. (Spark Plug), 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
Bunnell J. H. & Co. (Galvanic, Faradic, etc), 32 Park pl, New York
Chloride of Silver Dry Cell Battery Co. (Medical), 407 N Paca, Baltimore, Md.
Clark, Chas., Kinney bldg, Chicago, Ill.
ELEC. ARC CUTTING & WELDING CO. (Arc Welding & Cutting), 152-156 Jelliff av, Newark, N. J.
See adv index at end of book
National Carbon Co., Inc. ("National" Furnace Carbon, Any Sizes Up to 2-Inch Cross Section), Thompson av & Orton, Long Island City, N. Y.
Republican Carbon Co. (Carbon & Dry Battery), Niagara Falls, N. Y.
Rose E. J. Mfg. Co., 308 E 9th, Los Angeles, Cal.
Star Electrode Wks. of Nat'l Carbon Co., Niagara Falls, N. Y.
Victor Elec. Corp. (Galvanic, Faradic & High Frequency for Therapy), 236 S Robey, Chicago, Ill.
Welding Materials Co., 116 Liberty, New York

4230—Electrogrip (Drop Light)

Yost Electric Mfg. Co. (For Suspended Lights & Cords), Toledo, O.

4231— Electroliers (Concrete)

See also Electric & Gas Light Fixture Mfrs.
Marbelite Corp. of America, 3248 Long Beach av, Los Angeles, Cal.

Marbelite Corp. of America
HENRY BARKSCHLT, President
Manufacturers of
CENTRIFUGALLY MADE
CONCRETE PRODUCTS
Lighting Standards and Telephone Poles
Office and Factory
3248 Long Beach Avenue, Los Angeles, Calif.

4231a—Electroliers (Iron & Bronze)

See also Electric & Gas Light Fixtures

Stevens Frederic B., Inc., 3rd & Larned, Detroit, Mich.
See adv index at end of book
Tyler W. S. Co., Cleveland, O.
See adv index at end of book

4232— Electrolyzers

Electro Chemical Co. (Self-Circulating Type for Laundries), Dayton, O.

4233— Electrolyte

Atlas Powder Co., 140 N Broa Phila., Pa.
Central Chemical Co., 4200 S Marshfield, Chicago, Ill.
Grasselle Chemical Co., Guardian bldg, Cleveland, O
Kalbfleisch Corp., 200 5th av, New York
Riverside Acid Works, Warren, Pa.

4234— Electroscopes

Mineraliac Electric Co., 1045 Washington bl., Chicago, Ill.

4235— Elevator Air Cushions

Biggen Charles P. Co., 1829 Harlin, Phila., Pa.

4236—Elevator Cars & Enclosures

See also Bronze, Architectural, etc; also Iron, Architectural, etc
Acme Fancy Wire Works, Dept. H, Canfield & Moran, Detroit, Mich.
Badger Wire & Iron Works (Enclosures), 25th av & Cleveland, Milwaukee, Wis.
Bayer-Rothgeb Co., Slauson & Santa Fe avs, Los Angeles, Cal.
Brombacher Iron Works, 55555 Magnolia, Los Angeles, Cal,
BUFFALO WIRE WORKS CO., 453 Terrace, Buffalo, N. Y.
See adv index at end of book
California Artistic Metal & Wire Co., 349 7th, San Francisco, Cal.
Central Metal Products Co. ("C. M. P."), Canton, Ohio
Chicago Wire, Iron & Brass Wks, 2411 Belmont, Chicago, Ill.
Cincinnati Mfg. Co., Cincinnati, O.
Columbus Wire & Iron Works Co., Columbus, O.
CROWN IRON WORKS CO., 1229 Tyler, Minneapolis, Minn.
DAHLSTROM METALLIC DOOR CO., 413 Buffalo, Jamestown, N. Y.
Darby Edw. J. & Sons, 319 Vine, Phila., Pa. *See adv index at end of book*
Dow Co., 201H N Buchanan, Louisville, Ky.
Dufur & Co., 311 N Howard, Baltimore, Md.
Estey Bros. Co., 1006 Metropolitan av, Brooklyn, N. Y.
Flour City Ornamental Iron Co., 27th & 27th av, Minneapolis, Minn.
Gorham Co., Arch'l Bronze (Brass & Bronze), 5th av & 36th, New York
Hanke Iron & Wire Works, 300 N Albany av, Chicago, Ill.
Hecla Iron Works, 118 N 11th, Brooklyn, N. Y.
Houser Elev. Co., 314H E Water, Syracuse, N. Y.
Howard & Morse (Enclosures), 45 Fulton, New York
Kamman Walter Mfg. Co., 3258 Spring Grove av, Cincinnati, O.
Michaels Art Bronze Co., Covington, Ky.
Michel & Pfeffer Iron Works, 1417 Harrison, San Francisco, Cal.
Perkins Mfg. Co. (Metal), 1821 University av, St. Paul, Minn.
See adv index at end of book
Rochester Brass & Wire Works, 76H Exchange, Rochester, N. Y.
SMITH F. P. WIRE & IRON WORKS, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Syracuse Wire Works, 101 University av, Syracuse, N. Y.
TYLER W. S. CO., Cleveland, O.
See adv index at end of book
Van Dorn Iron Works Co., 2700 E 79th, Cleveland, O.
Van Doorn Co., Quincy, Ill.
Vilsack Martin Co., 3222 Penn av, Pittsburgh, Pa.
Wickwire Spencer Steel Corp. (All Metals & Finishes), 41 E 42nd, New York
See adv index at end of book
Wisconsin Iron & Wire Wks., Milwaukee, Wis.

Elevator Casings (Fireproof)

See Casings, Steel Elevator

Elevator Door Locking Device

See Elevator Safety Locks

4237—Elevator Door Openers & Closers

Elevator Supplies Co. ("Norton"), Hoboken, N. J.
Gillis & Geoghegan, 532H W B'way, New York
Haughton Elevator & Machine Co., 679 Spencer, Toledo, O.
Randall Control & Hydrometric Corp., 523 Central bldg, Los Angeles, Cal.
Republic Structural Iron Wks. Co., 1350 E 53rd, Cleveland, O.
Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book

4238-9—Elevator Doors & Enclosures

California Artistic Metal & Wire Co., 349H 7th, San Francisco, Cal.
Central Metal Products Co. ("C. M. P."), Canton, Ohio
DAHLSTROM METALLIC DOOR CO. (Hollow Metal Enclosures, Fire-proof, Glazed, with Wire Glass or with Solid Panels; An Ideal Equipment in Fireproof Qualities, in Ease of Operation, Durability & Beauty of Finish & Style), 413 Buffalo, Jamestown, N. Y.
See adv index at end of book

DAHLSTROM METAL PRODUCTS

COLD DRAWN MOULDINGS
SPECIAL STAMPINGS AND
PRESSED SHAPES IN STEEL
AND BRONZE

FOR MOTOR CARS AND TRUCKS
Windshield Tubing
Cushion Retainers
Bumper Bars
Welded Tubings
Instrument Boards

FOR RAILROAD AND ELECTRICAL CARS
Hollow Metal Doors
Windows and Frames
Bunks
Partitions
Bulkheads
Mouldings
Seat Ends
Sheathing

FOR NAVAL AND MERCHANT SHIPS
Hollow Metal Doors and Frames
Bulkheads
Hatches
Manholes
Tanks

FOR BUILDINGS
Hollow Metal Doors and Interior Trim
Elevator Inclosures and Cabs
Partitions
Telephone Booths
Plaster Bead
Electric Panel and Cutout Cabinets
Hose Cabinets
Bank Counter-screens, Etc.

Dahlstrom Metallic Door Co.
Executive Office and Factories
415 Buffalo Street
JAMESTOWN, N. Y.

Branch Offices:
25 Broadway, New York
1331 Dime Bank Bldg., Detroit
19 South La Salle St., Chicago
Agencies in All Principal Cities

Dow Co., 201H N Buchanan, Louisville, Ky.
Dufur & Co., 311 N Howard, Baltimore, Md.
Estey Bros. Co., 1006 Metropolitan av, Brooklyn, N. Y.
Flour City Ornamental Iron Co., 27th & 37th av, Minneapolis, Minn.
Halsted Jos. Co., W 31st & Spaulding av, Chicago, Ill.
Portage Iron & Wire Co., 1131 Johnston, Akron, O.
Reilly Martin B. Co., Inc., 9 S. Clinton, Chicago, Ill.
Stolz Jos. & Son, Inc., 841 E 136th, New York

4240—Elevator Gates (Automatic)

See also Gates, Folding

Bardsley Bros. Co., 151 Baxter, New York
Beckwith Elevator Co. (All Kinds), 123 Pearl, Boston, Mass.
Christiansen L., 254 Broad, Lynn, Mass.
Cohoes Iron Foundry & Machine Co., Cohoes, N. Y.
Dusing & Hunt, 382 Michigan, Buffalo, N. Y.
Estey Bros. Co., 1006 Metropolitan av, Brooklyn, N. Y.
Flour City Ornamental Iron Co., 27th & 27th av, Minneapolis, Minn.
Grote F. Mfg. Co., 120 3rd av, Evansville, Ind.
Houser Elevator Co., Syracuse, N. Y.
Johnson Geo. W. Mfg. Co., 209 W 17th, Kansas City, Mo.
Kansas City Elevator Mfg. Co., Kansas City, Mo.
Kimball Bros. Co., P O Box 154, Council Bluffs, Ia.
Kleenan L. F. Mfg. Co., 1923 Central, Kansas City, Mo.
Knickerbocker Elevator Gate Co., 116 West, New York
Lagerquist Gust. (& Half Automatic), 516 N 3d, Minneapolis, Minn.
Milmine H. B. & Co., Toledo, Ohio
Nock & Garside Elevator Co., 1844 Wazee, Denver, Colo.
Norfolk Iron & Wire Works, Norfolk, Va.
Ohio Elevator & Machine Co. (& Half Automatic), Columbus, O.
Peelle Co. ("Peelle" Safety), Stewart av & Harrison pl, Brooklyn, N. Y.
Portland Elevator Co., 480 E Mill, Portland, Ore.
Quincy Elevator Gate Co., Quincy, Ill.
Read Safety Gate Co., 418 N Paca av, Baltimore, Md.
Reedy H. J. Elevator Co. (Full Automatic), 15 W 2nd, Cincinnati, O.
Richmond Safety Gate Co., Richmond, Ind.
St. Louis Wire & Iron Co., St. Louis, Mo.
Schreiber L. & Sons Co., 3869 Ivanhoe, Cincinnati, O.
Scranton Iron & Steel Co., 1335 Capance av, Scranton, Pa.
Shields, J. H., Indian Hill av, Cincinnati, Ohio
Smith F. P. Wire & Iron Works, Lake & Dearborn, Chicago, Ill.
See adv index at end of book
Smyser, Royer Co., York, Pa.
Speidel Elevator Corp., Reading, Pa.
Stolz Jos. & Son, Inc., 841 E 136th, New York.
Storm Mfg. Co., 50 Vesey, Newark, N. J.
Taylor & Dean, Penn av & 25th, Pittsburgh, Pa.
Warner Elevator Mfg. Co., Spring Grove av, Alfred & Valley, Cincinnati, Ohio
Warsaw Elevator Co., Warsaw, N. Y.
See adv index at end of book

4241-2—Elevator Gates & Guards (Folding)

See also Gates, Folding

Dufur & Co., 311 N Howard, Baltimore, Md.
Estey Bros. Co., 1006 Metropolitan av, Brooklyn, N. Y.
Expanded Metal Safety Guard Co., 14th & Vernon av, Long Island City, N. Y.
Flour City Ornamental Iron Co., 27th & 27th av, Minneapolis, Minn.
Gillis & Geoghegan, 532H W B'way, New York
Meyers Fred J. Mfg. Co., Hamilton, Ohio
Rochester Brass & Wire Works, 76H Exchange, Rochester, N. Y.
Scranton Iron & Steel Co., 1335 Capance av, Scranton, Pa.
Syracuse Wire Works, 101 University av, Syracuse, N. Y.
West Coast Wire & Iron Works, 861 Howard, San Francisco, Cal.

4243-4—Elevator Governors

Estey Bros. Co., 270 Union av, Brooklyn, N. Y.
Speidel Elevator Corp., Reading, Pa.
Warner Elevator Mfg. Co., Spring Grove av, Cincinnati, Ohio
Warsaw Elevator Co., Warsaw, N. Y.
See adv index at end of book
Westinghouse Electric Mfg. Co. (Electric), East Pittsburgh, Pa.
See adv index at end of book

4245— Elevator Repairs

See also firms marked thus † under the head of Elevators, Freight & Passenger

Houser Elev. Co., 314H E Water, Syracuse, N. Y.
Otis Elevator Co., 26th & 11th av, New York
Sterling Devices Co., 9 Lispenard, New York
WARSAW ELEVATOR CO., Warsaw, N. Y.
See adv index at end of book

4246— Elevator Safety Devices

See also the Specific Article Required

Angell Elevator Lock Co. ("Angell" Safety Floor Stop & Lock), 370 Atlantic av, Boston, Mas.
Boedtcher Franz A. ("Dorloc"), 442 W 42nd, New York
Christiansen L., 254 Broad, Lynn, Mass.
CUTLER-HAMMER MFG. CO. (Electric), 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
Elevator Signal Co., 116 West, New York
Houser Elev. Co., 314H E Water, Syracuse, N. Y.
Montgomery Elec. Service, 610 Delaware, Kansas City, Mo.
Ohio Elevator & Machine Co., Columbus, Ohio
Reedy, H. J. Elevator Co. (All Approved Designs), 15 W 2d, Cincinnati, O.
Reliance Grant Elevator Equipt. Corp. ("Reliance"), 101 Madison av, New York
Russell & Erwin Mfg. Co. ("Russwin" Elevator Door Controller), New Britain, Conn.
Safety Elevator Stop Co., Kalamazoo, Mich.
Snyder Owen T. & Co., Columbus, O.
Sturm Dumbwaiter & Elevator Co., 289 Union, Portland, Ore.
Surety Guard Co. ("M-C-K"), 62 E Lake, Chicago, Ill.
Warner Elevator Mfg. Co., Spring Grove av, Alfred & Valley, Cincinnati, Ohio
WARSAW ELEVATOR CO., Warsaw, N. Y.
See adv index at end of book
Westinghouse Elec. & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

Elevator Safety Gates

See Elevator Gates, Automatic

4247— Elevator Safety Locks

Angell Elevator Lock Co. ("Angell," Shipper Rope), 370 Atlantic av, Boston, Mass.
Christiansen L., 254H Broad, Lynn, Mass.
Clernand & Co. (Freight), 359 W B'way New York
Elevator Locks Co. ("M. C. K." Automatic Safety Locks), Peoria, Ill.
Elevator Supplies Co., Hoboken, N. J.
Knickerbocker Elevator Gate Co., 116 West, New York
Randall Control & Hydrometric Corp., Central bldg, Los Angeles, Cal.
Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book
Standard Elevator Interlock Co., 16th & Sansom, Phila., Pa.
Warsaw Elevator Co., Warsaw, N. Y.
See adv index at end of book
Western Brass Mfg. Works (Brass & Bronze), Marshall blvd & W 21st, Chicago, Ill.

4248— Elevator Safety Stops

Knickerbocker Elevator Gate Co. (Floor), 116 West, New York

4249—*Elevator Self-Starters (Electric)

CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
Westinghouse Electric Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

Elevator Siding

See Roofing & Siding, Iron & Steel

4250-1— Elevator Signals

Elevator Signal Co., 116 West, New York
Elevator Supplies Co. ("Armstrong" Electric), Hoboken, N. J.
Holtzer-Cabot Electric Co., 125 Amory, Boston, Mass.
Randall Control & Hydrometric Corp., Central bldg, Los Angeles, Cal.

4252-3— *Elevator Switches (Reversing)

CUTLER-HAMMER MFG. CO. ("C. & H."), 12th & St. Paul av, Milwaukee, Wis. *See adv index at end of book*

4254— Elevators (Ashes)

See also Conveyors, Coal & Ash Handling

Alvey Manufacturing Co., 3201 S B'way, St. Louis, Mo.
Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Dow Co., 201H N Buchanan, Louisville, Ky.
Jeffrey Mfg. Co., 961 N Fourth, Columbus, O. *See adv index at end of book*
LINK-BELT COMPANY ("Link-Belt" Telescoping for Buildings, Boiler Rooms), 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book

4255—Elevators (Barrel & Package)

See also Conveyors, Various Kinds

ALVEY-FERGUSON CO., 70 North av, Oakley, Cincinnati, O.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
BARTLETT & SNOW CO., C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
Bodinson Mfg. Co., 11 Minna, San Francisco, Cal.
Burnett Mfg. Co. (Sack Stacker), 719 E 1st, Los Angeles, Cal.
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Chain Belt Co. (Curved Arm), 746 Park, Milwaukee, Wis.
See adv index at end of book
Dodge Mfg. Corp., Mishawaka, Ind.
Dow Co., 201H N Buchanan, Louisville, Ky.
Ernst C. K., Buffalo, N. Y.
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Great Western Mfg. Co., Leavenworth, Kans.
Haslett Chute & Conveyor Co., Oaks., Pa.
Howe Chain Co., Dept. H, Muskegon, Mich.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O
See adv index at end of book
Jones W. A. Foundry & Machine Co., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book
Lamson Co., Inc., Syracuse, N. Y.
LINK-BELT COMPANY (Automatic Pick Up, etc.), 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Nelson N. P. Iron Works, 216 40th, Brooklyn, N. Y.
NEW JERSEY FOUNDRY & MACHINE CO., 90 West, New York
Pittsburg Conveyor Machinery Co, 4th & Duquesne wy, Pittsburgh, Pa
Robins Conveying Belt Co., 15 Park Row, New York
See adv index at end of book
Standard Conveyor Co., N St. Paul, Minn.
See adv index at end of book
Warsaw Elevator Co., Warsaw, N. Y.,
See adv index at end of book
WEBSTER MFG. CO., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Weller Mfg Co, 1856 N Kostner av, Chicago, Ill.
Westbrook W J Elevator Co. ("Westbrook"), Dept. H, Greensboro, N. C.

Elevators (Belt Power)

See Elevators, Freight & Passenger

Elevators (Box Water)

See Elevators, Water, for Mine & Quarry

4256— Elevators (Bucket)

Acme Road Machy. Co., Frankfort, N. Y.
Allis-Chalmers Mfg. Co. (Rock, Ore & Flour), Milwaukee, Wis.
See adv index at end of book
American Road Machinery Co, Kennett sq, Pa
Bailey-Burruss Mfg. Co., Atlanta, Ga.
BARTLETT & SNOW CO., C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Bodinson Mfg. Co., 11 Minna, San Francisco, Cal.
BROWN HOISTING MACHINERY CO. (THE), 4403 St. Clair N E, Cleveland, Ohio *See adv index at end of book*
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Dodge Mfg. Corp., Mishawaka, Ind.
Dow Co., 201H N Buchanan, Louisville, Ky.
Essmueller Mill Furnishing Co., 1222 S 8th, St. Louis, Mo.
Fairfield Engng. Co., Marion, Ohio
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
Haag A. W. & Co., Reading, Pa.
Hesse-Ersted Iron Works, E 8th & Taylor, Portland, Ore.
HOWE CHAIN CO., Muskegon, Mich.
JEFFREY MFG. CO. ("Jeffrey" for All Classes of Work), 961 N Fourth, Columbus, O. *See adv index at end of book*
Jones W. A. Foundry & Machine Co. ("Chain Bucket"), 4442 Roosevelt rd, Chicago, Ill.
See adv index at end of book

(Continued on following page)

Elevators (Bucket)—Continued

Lamson Co., 160 Boylston, Boston, Mass.
LINK-BELT COMPANY (Continuous & Incline Continuous), 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Manufacturers' Equipment Co., Dayton, O.
Marion Machine Foundry & Supply Co., Marion, Ind.
Mead-Morrison Mfg. Co. ("McCaslin"), cor Prescott & Orleans, East Boston, Mass.
Mullins Body Corp., Salem, Ohio
Nelson N. P. Iron Works, 216 40th, Brooklyn, N. Y.
Nordyke & Marmon Co., Ky av & Morris, Indianapolis, Ind.
ROBINS CONVEYING BELT CO., 15 Park Row, New York
See adv index at end of book
Robinson H. Mfg. Co., Muncy, Pa.
SMITH ENGINEERING WKS., 1154 32nd, Milwaukee, Wis.
Sprout Waldron & Co., Muncy, Pa.
See adv index at end of book
Stearns Conveyor Co., St. Clair & E 200th, Cleveland, Ohio
Stephens - Adamson Mfg. Co. ("S.-A."), Aurora, Ill.
Tamaqua Mfg. Co., Tamaqua, Pa.
Union Chain & Mfg. Co., Sandusky, O.
Universal Road Machinery Co., Kingston, N. Y.
WEBSTER MFG. CO., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.
Wolf Co., Chambersburg, Pa.

4257— Elevators (Building Material)

See also Elevators, Hod; also Engines, Hoisting; also Hoists, Builders' Electric; also Hoists, Contractors' Material
Byers Machine Co., The, 242 Sycamore, Ravenna, O. *See adv index at end of book*
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Dow Co., 210H N Buchanan, Louisville, Ky.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

Elevators (Carriage)

See Elevators, Freight & Passenger
Also Elevators, Hand

4258—*Elevators (Carriage, Wagon, Automobile, Etc.)

Grote F. Mfg. Co. ("Grote" Automobile), 120 3rd av, Evansville, Ind.
Speidel Elevator Corp., Reading, Pa.

Elevators (Clay)

See Conveyors, Clay

Elevators (Coal)

See Conveyors, Coal & Ash Handling, also Elevators, Bucket

4259—*Elevators (Combination, Hand & Belt Power)

Speidel Elevator Corp., Reading, Pa.
Warsaw Elevator Co., Warsaw, N. Y.
See adv index at end of book

4260-1— Elevators (Concrete)

Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Davis Morris K. ("20th Century"), 400 7th, San Francisco, Cal.
Dow Co., 201H N Buchanan, Louisville, Ky.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Smith T. L. Co. ("Smith"), 1151 32d, Milwaukee, Wis. *See adv index at end of book*

4262—Elevators (Contractors' Material)

See also Hoists, Contractors' Material; also Elevators, Hod
Byers Machine Co., The, 242 Sycamore, Ravenna, O. *See adv index at end of book*
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Clyde Iron Works Sales Co., Duluth, Minn.
See adv index at end of book
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Van Emon B. C., Elevators, Inc., 235 1st, San Francisco, Cal.
Westbrook Elevator Mfg. Co. Inc. ("Westbrook"), Dept. H, Danville, Va.

Elevators (Cotton)

See Elevators, Cotton, Under Textile Machinery

4263— Elevators (Electric)

See also Elevators, Freight & Passenger
A. B. SEE ELECTRIC ELEVATOR CO., 52 Vesey, New York
AMERICAN ELEVATOR & MACHINE CO., Louisville, Ky.
Burnett Mfg. Co., 719 E 1st, Los Angeles, Cal.
Cohoes Iron Foundry & Machine Co., Cohoes, N. Y.
Curran, Jas. H. Elevator Co. (Direct Connected & Reversible Belt), 116 W Second, Cincinnati, Ohio
General Elevator Co., 1159 Howard, San Francisco, Cal.
Grote F. Mfg. Co. ("Grote"), 120 3rd av, Evansville, Ind.
Haughton Elevator & Machine Co., 679 Spencer, Toledo, O.
Houser Elevator Co., Syracuse, N. Y.
Kimball Bros. Co., P. O. Box 154, Council Bluffs, Iowa
Llewellyn Iron Works, 1200H N. Main, Los Angeles, Cal.
NEW JERSEY FOUNDRY & MACHINE CO., 90 West, New York.
Northern Engineering Works (Freight), 210 Chene, Detroit, Mich.
Otis Elevator Co. (Power), 26th & 11th av, New York
Pacific Elevator & Equipment Co., 1129 Howard, San Francisco, Cal.
Portland Co., Portland, Me.
Portland Elevator Co., 480 E Mill, Portland, Ore.
Roberts Jas. H. Elevator Co., 270 Wash, New York
Seevers Mfg. Co., Oskaloosa, Ia.
Speidel Elevator Corp., Reading, Pa.
Spencer Elevator Co., 166H 7th, San Francisco, Cal.
Warner Elevator Mfg. Co., Spring Grove av, Cincinnati, Ohio
WARSAW ELEVATOR CO., Warsaw, N. Y.
See adv index at end of book
Washington Elevator Co., 1710 4th av S, Seattle, Wash.
Westbrook W. J. Elevator Co. ("Westbrook"), Dept. H, Greensboro, N. C.

4264— Elevators (Electric Sidewalk)

See also Elevators, Sidewalk
A. B. SEE ELECTRIC ELEVATOR CO., 52 Vesey, New York
Atlas Elevator Co., Call bldg, San Francisco, Cal.
Burnett Mfg. Co., 719 E 1st, Los Angeles, Cal.
Houser Elev. Co., 314H E Water, Syracuse, N. Y.
New Jersey Foundry & Machine Co., 90 West, New York
Otis Elevator Co., 26th & 11th av, New York
Speidel Elevator Corp., Reading, Pa.
Spencer Elevator Co., 166 7th, San Francisco, Cal.
Van Emon B. C., Elevators, Inc., 235 1st, San Francisco, Cal.
Warner Elevator Mfg. Co., Spring Grove av, Cincinnati, Ohio
WARSAW ELEVATOR CO., Warsaw, N. Y.
See adv index at end of book
Westbrook W. J. Elevator Co. ("Westbrook"), Dept. H, Greensboro, N. C.

4265-6—*Elevators (Employees')

Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Nutting Truck Co., Faribault, Minn

Elevators (Flour)

See Conveyors, Grain Elevator

4267— Elevators For Canning Factories

Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Alvey Manufacturing Co., 3201 S B'way, St. Louis, Mo.
Am. Mfg. Co. (Jute Bagging Only), Noble & West, Brooklyn, N. Y.
Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
Jeffrey Mfg. Co., 961 N Fourth, Columbus, O. *See adv index at end of book*
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
New Jersey Foundry & Machine Co., 90 West, New York.
Smith Mfg. Co. Inc., Stockton & Alameda, San Jose, Cal.

4268— Elevators For Crushing Plants

See also Elevators, Bucket
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Austin Mfg. Co., 400 N Michigan av, Chicago, Ill.
Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
BODINSON MFG. CO., 11 Minna, San Francisco, Cal.
Dow Co., 201H N Buchanan, Louisville, Ky.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W. 39th, Chicago, Ill. *See adv index at end of book*
Robins Conveying Belt Co., 15 Park Row, New York *See adv index at end of book*
STEARNS CONVEYOR CO., St. Clair & E 200th, Cleveland, Ohio

4268a — Elevators For Mine & Quarry

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
BARTLETT & SNOW CO. C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Dow Co., 201H N Buchanan, Louisville, Ky.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
Kerner W. R. & Co. ("Kerner's Work-Rite"), 139 N Clark, Chicago, Ill.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Stearns Conveyor Co., St. Clair & E 200th, Cleveland, Ohio

4269— Elevators (Foundry)

See also Elevators, Freight & Passenger
Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, Ohio
Houser Elev. Co., 314H E Water, Syracuse, N. Y.
Jeffrey Mfg. Co., 961 N Fourth, Columbus, O. *See adv index at end of book*
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
NEW JERSEY FOUNDRY & MACHINE CO., 90 West, New York.
Northern Engineering Works, 210 Chene, Detroit, Mich.
Speidel Elevator Corp., Reading, Pa.
Warner Elevator Mfg. Co., Spring Grove av, Cincinnati, Ohio
Warsaw Elevator Co., Warsaw, N. Y.
See adv index at end of book
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Westbrook W. J. Elevator Co. ("Westbrook"), Dept. H, Greensboro, N. C.
Whiting Corp., Dept. H, Harvey, Ill.

4270—Elevators (Freight & Passenger)

NOTE—Firms Designated by Dagger (†) denotes General Repair Work Only. (Star (*) Indicates Passenger Elevators
Under this Heading see Sub-classifications

ALABAMA.

BIRMINGHAM—*Otis Elevator Co.

CALIFORNIA.

LOS ANGELES—Baker Iron Works
Beckwith & Neely (Freight), 1339 Santa Fe av
Burnett Mfg. Co., 719 E 1st
Llewellyn Iron Works
*Otis Elevator Co. (For all purposes),
SAN FRANCISCO—Atlas Elevator Co., Call bldg
†Enterprise Electric Works, 654 Mission
Enterprise Elevator Co. (Hydro Electric), 995 Market
General Elevator Co., 1159 Howard
Independent Elevator Co., 1310 Market
Otis Elevator Co. (For All Purposes), 1 Beach
Pacific Elevator & Equipment Co., 1129 Howard
San Francisco Elevator Co. Inc., 860 Folsom
Spencer Elevator Co., 166 7th

COLORADO.

DENVER—*Nock & Garside Elevator Co.

CONNECTICUT.

NEW HAVEN—Eastern Machinery Co (Electric)
MacKenzie George M., East & Water.

DELAWARE.

WILMINGTON—Green Elevator Co.

FLORIDA.

TAMPA—AMERICAN ELEVATOR & MACHINE CO. (L. G. Taylor, Agent)
Warner Elevator Mfg. Co., 916 Citizen Bank bldg.

ILLINOIS.

BLOOMINGTON—Keiser-Van Leer Co. (Freight)
CHICAGO—Colley Elevator Co., 522 W Monroe
Gallaher & Speck, 215 W Congress
Illinois Elevator Co., 2708 W Lake

PASSENGER AND FREIGHT
ELEVATORS
Electric, Hydraulic Power and Hand

We furnish and install Organ Console and Orchestra Lifts for Theatres

We also make a very Simple and Inexpensive Hand Power Elevator for Factories, Automobile Garages and Stores

We belong to no Elevator Combination or Trust

WARSAW ELEVATOR CO.
WARSAW, NEW YORK

NEW YORK, 216 Fulton St.
PHILADELPHIA, 124 N. Carlisle St.
BALTIMORE, Md., 111 Mercer St.
BUFFALO, N. Y., 64 Delaware Ave.
ROCHESTER, N. Y., 189-191 Mill Street
SPRINGFIELD, Mass.

*Kaestner & Hecht Co. (Steam, Electric & Hydraulic), 500 Throop
†Mitchell C H Elevator Co., 522 W Monroe
*Otis Elevator Co., 600 W Jackson blvd
Pitt Engineering Co., 120 W Kinzie
†Prince Elevator Co., 231 W Grand av
†Reliance Elevator Co., 212 W Austin av
Wheeler Elevator Co., 1121 Washington, blvd

DANVILLE—Westbrook Elev. Co. (Electric)

MOLINE—Montgomery Elevator Co. (Electric)

PEORIA—AMERICAN ELEVATOR & MACHINE CO. (H. F. Kircher & Co., Agt.)

QUINCY—Hollister-Whitney Co. (Electric)

INDIANA.

DECATUR—Decatur Foundry, Furnace & Machine Co.

EVANSVILLE—*Grote F. Mfg. Co. (Electric) 120 3rd av
International Steel & Iron Co. (Electrical & Hand Power Freight)
Mesker Geo. L. & Co. (Hand & Power), 1243 Edgar

INDIANAPOLIS—†Carman & Fryer, 113 N Noble
Nordyke & Marmon Co. (For Mills & Factories), Kentucky av & Morris
*Otis Elevator Co., 22 S Capitol
† Reedy Elevator Co., 520-22 S New Jersey

IOWA.

COUNCIL BLUFFS — Kimball Bros. Co. (Electric, Hand & Belt Power), P O Box 154

DES MOINES—Globe Machinery & Supply Co.
Iowa Machinery & Supply Co.

LE MARS—Pech Gustave Foundry & Mfg. Co.

KANSAS.

KANSAS CITY—Strait H. N. Mfg. Co. (Freight)

KENTUCKY.

LOUISVILLE—Abell Elevator Co. (Mfrs. of Passenger & Freight, Electric Traction & Gearless Traction, Push Button, Hydraulic & Hand & Belt Power Elevators), 114 N 8th
*AMERICAN ELEVATOR & MACHINE CO. (Electric, Hydraulic, Belt & Hand)
Atlas Machine Co.
Dow Co. (Freight Only), 210H N Buchanon

LOUISIANA.

NEW ORLEANS—†American Elevator & Electric Co., 511 Poydras
AMERICAN ELEVATOR & MACHINE CO. (American Elevator & Electric Co., Agent)
†Commercial Electric Co., Ltd., 723 Poydras

MAINE.

PORTLAND — *Portland Co. (Electric, Hydraulic, Plunger & Belted)

MARYLAND.

BALTIMORE—*Bates Elevator Co. (Hand, Hydraulic, Steam, Electric, etc.), 211 Preston
Warsaw Elevator Co., Main Office & Works: Warsaw, N. Y.
See adv index at end of book

MASSACHUSETTS.

BOSTON—Beckwith Elevator Co., 123 Pearl
Brewer Elevator Co., 14 Bowker
Kimball C. E. & Son, 178 High
McLauthlin Geo. T. Co., 120 Fulton
*Moore & Wyman Elevator & Machine Works, 72 Granite, S Boston
Otis Elevator Co. (For all purposes), 53 State
†Payne F. S. Co., 295 Franklin
†Porter W. H., 30 Wendell
*Portland Co. (of Portland, Me.), 118 Broad
Seelye Mfg. Co. (Freight), 49 High

FLORENCE—Norwood Engineering Co. (Belt Power Freight)

LYNN—Embree Elevator & Millwright Co.

SALEM—*Salem Elevator Works (Electric)

SPRINGFIELD—Bay State Elevator Co. N Main (Hydraulic, Plunger, Electric & Belt)
Springfield Iron Works

WORCESTER—Standard Plunger Elevator Co. (Electric), Stafford

MICHIGAN.

DETROIT — Northern Engineering Works (Freight), 210 Chene

GRAND RAPIDS—Lutelt Adolph Iron Works

MINNESOTA.

MINNEAPOLIS—*Lagerquist Gust. (Electric, Hand, Belt, etc.), 516 N 3d

ST. PAUL—*Lee & Hoff Mfg. Co. (Electric), 65 E Water

MISSOURI.

KANSAS CITY—AMERICAN ELEVATOR & MACHINE CO. (Jas. E. King, Agent)
Kansas City Elevator Mfg. Co. ("Turner"), S E cor. 26th & Madison
*Otis Elevator Co., 1920 Wyandotte

ST. LOUIS — AMERICAN ELEVATOR & MACHINE CO. (Wm. A. Miller Machine Elevator Co., Agent) 10009 N. Y. Life bldg
Ellison W. & Sons Mfg. Co.
Geraghty Bros. Elevator Co., 416 S 6th
Miller Wm. A., Mach. & Elevator Co. 1000 N Main
Otis Elevator Co., Locust & 23d

NEBRASKA.

OMAHA—American Elevator & Machine Co. (Standard Engng. Co., agt.)

NEW JERSEY.

HOBOKEN—Reedy Elevator Co.

JERSEY CITY—Revolvator Co., 395 Garfield av *See adv index at end of book*

NEWARK—Skinner & Leary Co. (Freight Only), 109 Mechanic
Storm Mfg. Co. (Hand & Belt Power, etc), 50 Vesey
Wright Lysander, Jr., Mach. Works, 9 Alling

NEW YORK.

BUFFALO — †Buffalo Engineering Co., 1 Randall, Erie Co. Bank bldg
Smith Elevator Co., 80 Terrace.
WARSAW ELEVATOR CO.
See adv index at end of book

COHOES—Cohoes Iron Foundry & Machine Co. ("Cohoes")

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Lowerator Co., 110 Pearl
Rodgers R. M. Mfg. Co., 188 Emerson pl

Boroughs of Manhattan and Bronx.

NEW YORK—A. B. SEE ELECTRIC ELEVATOR CO., 52 Vesey
†Am. Elevator Co. (Also Repairers), 117 Cedar
Burwak Elevator Co., 216 Fulton
Chelsea Elevator Co. (Electric), 441 W 19th
†Clernand & Co., 43 Grand
Dowdall Chas. E., 152 W B'way
Gurney Elevator Co. (Electric), 300 8th av
Maintenance Co. (Electric), 453 W 42nd
Murtaugh Elevator Co., 535 W 33d

(Continued on following page)

Elevators (Freight & Passenger)—Continued

NEW YORK—Continued

NEW YORK CITY—†New York Elevator Co., 325 W B'way
*Otis Elevator Co., 26th & 11th av
*Roberts J. H. Elevator Co., 270 Wash
Sedgwick Machine Works, 150 W 15th, New York
*Shaper F. D. Elevator Co., 153 Franklin
Slade Elev. Co. (Electric), 1565 Park av
Sommerville Elevator Co., 555 W 35th
Staley El. Elev. & Mach. Co., 153 Greene
Watson Elevator Co. Inc., 407 W 36th
Wheeler-McDowell Elev. Co. (Electric), 97 Varick

(End of New York City)

OSSINING—Kipp Ralph P. (Hydraulic)
POUGHKEEPSIE — Sedgwick Machine Works (Hand Power)
ROCHESTER—*Otis Elevator Co., 8-10 Jones
Warner Elevator Mfg. Co., 113 Warren
*Warsaw Elevator Co., 189 Mill
See adv index at end of book
SYRACUSE—Houser Elevator Co. (Electric)
UTICA—*Otis Elevator Co.
WARSAW—**WARSAW ELEVATOR CO.**
See adv index at end of book

NORTH CAROLINA.

CHARLOTTE—Moffatt Machinery Mfg. Co.
Park Mfg. Co. (Belt Power)
GREENSBORO—Westbrook W. J. Elevator Co. ("Westbrook"), Dept. H

OHIO.

CINCINNATI—Alvey-Ferguson Co., 70 North av, Oakley
Cincinnati Elevator Wks. (Steam, Hydraulic, Electric & Hand), Quigley, N. J. (Propr), 212 W 2nd
*Curran Jas. H. Elevator Co., 116 W 2d
*Reedy H. J. Elevator Co. (Electric, Hydraulic, Plunger, Steam, Hand, etc.), 15 W 2d
Warner Elevator Mfg. Co. (Electric, Hydraulic, Hand & Belt Power), Spring Grove av
CLEVELAND—**AMERICAN ELEVATOR & MACHINE CO.** (J. M. Woods, Agent)
Edmonds Elevator Co. (Electric), 1440 W 10th.
Rossborough W. J., 625 Long av
COLUMBUS—†Beck Electrical Repair Co., 149 W State
Ohio Elevator & Machine Co. (Electric, etc.)
*Otis Elevator Co.
DAYTON—Gem City Elevator Works (Steam, Hydraulic, Electric, Belt, etc)
TOLEDO—*Haughton Elevator & Mach. Co. (Steam, Hydraulic, Electric, Belt, etc.), 679 Spencer

OREGON.

PORTLAND—†Portland Elevator Co.
Portland Iron Works, 495 Northrup
Strum Elevator Co., 1015 Nicolai
Tuerck-Mackenzie Machine Co., E 3rd & Irving

PENNSYLVANIA.

COATESVILLE—Ridgway, Craig & Son Co. (Heavy Freight)
HONESDALE—Gurney Co. (Electric)
LANCASTER—†Welchans A. C.
PHILADELPHIA — Albro-Clem Elevator Co. (Electric), D. & Erie
Energy Elevator Co., 214 New
Independence Elevator Co., 7th & Wood
*Otis Elevator Co., 12th & Samson
*See. A. B. Electric Elevator Co., Colonial Trust bldg
*Stokes & Parrish Elevator Co. (Dep't of Otis Elevator Co.), 16th & Samson
See adv index at end of book
PITTSBURGH—*Marshall Bros. (Electric), S 21st
Seeler Elevator Works, 332 3d av
Stoner, Thaw & Co. Ltd., 1200 W Carson
Walters H. D., 210 2d av
READING—Haag A. W. & Co. (Freight Only)
Speidel Elevator Corp., Belt, Hand & Electric Power)

RHODE ISLAND.

PROVIDENCE—Haley & Blanch Elevator Co., 53 Sabin
Mason, Volney W. & Co., 2 Lafayette

TENNESSEE.

CHATTANOOGA—Peglar Machine Co. (Freight) Cowant & 16th

TEXAS.

DALLAS—**AMERICAN ELEVATOR & MACHINE CO.** (J. Peyton Hunter, Agent)
HOUSTON—*Otis Elevator Co.

VIRGINIA.

DANVILLE—Westbrook Elevator Mfg. Co. Inc. ("Westbrook"), Dept. H
NORFOLK—*Otis Elevator Co.

WASHINGTON.

SEATTLE—†Biegert J. C. Machine Wks.
*Otis Elevator Co.
Washington Elevator Co. (Electric)
SPOKANE—*Otis Elevator Co.
*Pacific Iron Works (Electric, Hand & Power; also Hydraulic), N. 802 Post
TACOMA—Washington Machinery Depot, 1924 Pacific av

WEST VIRGINIA.

HUNTINGTON—American Elevator & Machine Co. (E. L. Warnick, agent)

WISCONSIN.

MILWAUKEE—†Heller S., 250 Milwaukee
Kieckhefer A. Elevator Co. (Electric, Hydraulic, Belt, Plunger, Traction, etc)
*Otis Elevator Co., 115-117 Huron
*†Rosenberg F. Elevator Co. (Electric), 174 Reed

4270a— Elevators (Garage)

Cohoes Iron Foundry & Machine Co., Cohoes, N. Y.
Colby Steel & Engineering Co. ("Barlow"), 446 Central bldg, Seattle, Wash.
Spencer Elevator Co., 166 7th, San Fran-

4271—Elevators (Gearless Traction)

Abell Elevator Co., 114 N 8th, Louisville, Ky.
AMERICAN ELEVATOR & MACHINE CO., Louisville, Ky.

4272— Elevators (Gravity)

Avney Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Dow Co., 201H N Buchanon, Louisville, Ky.
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Lamson Co., 100 Boyston, Boston, Mass.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book

4273—Elevators (Hand Power)

See also Dumb Waiters; also Elevators, Freight & Passenger
AMERICAN ELEVATOR & MACHINE CO., Louisville, Ky.
Atlas Elevator Co., Call bldg, San Francisco, Cal.
Dow Co., 201H N Buchanon, Louisville, Ky.
Energy Elevator Co., 214 New, Phila., Pa.
Houser Elev. Co., 314H E Water, Syracuse, N. Y.
Kimball Bros. Co., P. O. Box 154, Council Bluffs, Iowa
Lamson Co., 100 Boylston, Boston, Mass.
NEW JERSEY FOUNDRY & MACHINE CO., 90 West, New York
Speidel Elevator Corp., Reading, Pa.
Spencer Elevator Co., 166 7th, San Francisco, Cal.
Warner Elevator Mfg. Co., Spring Grove av, Cincinnati, Ohio
WARSAW ELEVATOR CO., Warsaw, N. Y.
See adv index at end of book

Elevators (Hay)

See Carriers, Hay; also Elevators, Portable

4274— Elevators (Hod)

American Hoist & Derrick Co. (For Building Materials), St. Paul, Minn.
Anderson Chas., 983 Pacific, Brooklyn N. Y.
Carlson Hoist & Machine Co., 1074 St. Marks av, Brooklyn, N. Y.
Lambert Hoisting Engine Co., 117 Poinier, Newark, N. J.
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
National Hoisting Engine Co., 325 Manor av, Harrison, N. J.
See adv index at end of book
Nineteen Hundred Washer Co., Binghamton, N. Y.
Pelham Hod Elevating Co. (For Building Materials), 416 W 26th, New York
Thomas Elevator Co., 20 S Hoyne, Chicago, Ill.
White Hoist & Machine Co., Southern blvd, & 143rd, New York

4275— Elevators (Hydraulic)

See also Elevators, Freight & Passenger
Atlas Elevator Co., Call bldg, San Francisco, Cal.
Burnett Mfg. Co., 719 E 1st, Los Angeles, Cal.
Curran Jas. H. Elevator Co., 116 W Second, Cincinnati, Ohio
General Elevator Co., 1159 Howard, San Francisco, Cal.
Haughton Elevator & Machine Co., 679 Spencer, Toledo, O.
Houser Elev. Co., 314H E Water, Syracuse, N. Y.
Llewellyn Iron Works, 1200H N. Main, Los Angeles, Cal.
Movette, Inc., 295 State, Rochester, N. Y.
Otis Elevator Co., 26th & 11th av, New York
Portland Co., Portland, Me.
Ridgway, Craig & Son, Coatesville, Pa.
Spencer Elevator Co., 166H 7th, San Francisco, Cal.
Warner Elevator Mfg. Co., Spring Grove av, Cincinnati, Ohio
WARSAW ELEVATOR CO., Warsaw, N. Y.
See adv index at end of book

4276-7-8—Elevators (Hydraulic Gravel)

Ellicott Machine Corp., 1111 Bush, Baltimore, Md. *See adv index at end of book*
Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.
New York Engng. Co. ("Empire"), 2 Rector, New York
Spencer Elevator Co., 166H 7th, San Francisco, Cal.

Elevators (Incline)

See Stairways, Moving

Elevators (Invalid, Hand & Belt Power)

See Elevators, Hand

4279— *Elevators (Light)

Lamson Co., Inc. (For Banks, Stores, Offices, Factories, Hotels, Libraries, Hospitals & Newspaper Plants), Syracuse, N. Y.

Elevators (Link-Belt)

See Conveyors, Link Belt

4280— Elevators (Marine)

CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Colby Steel & Engineering Co. ("Barlow"), 446 Central bldg, Seattle, Wash.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

4280a—*Elevators (Oil Well)

4281— Elevators (Pipe)

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Webster Co., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book

4282— Elevators (Plunger)

See also Elevators, Freight & Passenger
Atlas Elevator Co., Call bldg, San Francisco, Cal.
Houser Elev. Co., 314H E Water, Syracuse, N. Y.
Portland, Co., Portland, Me.
Ridgeway Craig & Son Co., Coatesville, Pa.
Van Emon B. C., Elevators, Inc., 235 1st, San Francisco, Cal.
Warner Elevator Mfg. Co., Spring Grove av, Cincinnati, Ohio
WARSAW ELEVATOR CO., Warsaw, N. Y.
See adv index at end of book

4283— Elevators (Pneumatic)

Lamson Co., 100 Boylston, Boston, Mass.
Northern Engineering Works (Freight), 210 Chene, Detroit, Mich.
Ridgeway Craig & Son Co., Coatesville, Pa.
Whiting Corp. (& Hydro), Dept. H, Harvey, Ill.

4284— Elevators (Portable)

ALVEY-FERGUSON CO., 70 North av, Oakley, Cincinnati, O.
Barrett-Cravens Co., 1328 W Monroe, Chicago, Ill.
Brown Portable Conveying Machinery Co., 10 S La Salle, Chicago, Ill.
Burnett Mfg. Co., 719 E 1st, Los Angeles, Cal.
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Camp Bros. & Co., Washington, Ill.
Dow Co. (Farm, etc.), 201H N Buchanon, Louisville, Ky.
Economy Engng. Co., 2647 W Van Buren, Chicago, Ill.
Elwell-Parker Electric Co. (The), 4205 St. Clair av, Cleveland, Ohio
See adv index at end of book
Heller P. A. & Sons ("Stacker"), 213 State, Detroit, Mich.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O.
See adv index at end of book
Lamson Co., 100 Boylston, Boston, Mass.
LEWIS-SHEPARD CO., ("Stackers") 577 E 1st, Boston, Mass.
See adv index at end of book

OTTOMAN BRAND

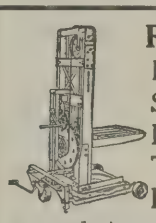
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H. A. STILES & CO., 166-174 Portland Street, Boston, Mass.

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

NEW JERSEY FOUNDRY & MACHINE CO. ("Delta"), 90 West, New York

Revolvator Co. ("Revolvator" Revolving), 395 Garfield av, Jersey City, N. J.
See adv index at end of book



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395 Garfield Ave. Jersey City, N. J.

Standard Conveyor Co., N. St. Paul, Minn.
See adv index at end of book

Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

4285—Elevators (Push Button)

A. B. SEE ELECTRIC ELEVATOR CO., 52 Vesey, New York

AM. ELEVATOR & MACHINE CO., Louisville, Ky.

Beckwith & Neely, 1339 Santa Fe av, Los Angeles, Cal.

Haughton Elevator & Machine Co., 679 Spencer, Toledo, O.

Otis Elevator Co. (Automatic, Electric), 26th & 11th av, New York

Van Emon B. C., Elevators, Inc., 235 1st, San Francisco, Cal.

Warner Elevator Mfg. Co. (Automatic), Spring Grove av, Cincinnati, O.

WARSAW ELEVATOR CO., Warsaw, N. Y.
See adv index at end of book

4286— Elevators (Quicksilver)

KENNEDY VAN SAUN MFG. & ENG. CORP., 50 Church, New York
See adv index at end of book

Elevators (Revolving Portable)

See Tiering Machines

4287— Elevators (Salt)

Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.

Atlas Elevator Co., Call bldg, San Francisco, Cal.

Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book

Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book

Dow Co., 201H N Buchanon, Louisville, Ky.

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.

Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

Willcox Engineering Co., 1525 Holland av, Saginaw, Mich.

4288— Elevators (Sidewalk)

See also Elevators, Freight & Passenger

Abell Elevator Co., 114 No. 8th, Louisville, Ky.

Beckwith & Neely, 1339 Santa Fe av, Los Angeles, Cal.

Burnett Mfg. Co., 719 E 1st, Los Angeles, Cal.

Chelsea Elevator Co., 441 W 19th, New York

Cohoes Iron Foundry & Machine Co., Cohoes, N. Y.

Curran Jas. H., Elevator Co., 114 W 2nd, Cincinnati, O.

Dowdall Chas. E., 152 W B'way, New York

Eastern Machinery Co., New Haven, Conn.

Edmonds Elevator Co., 519 Champlain av, Cleveland, O.

Electrical Mechanical Specialty Co. Inc. ("Woolf" Resonate Oscillatory Wave Mach.), 24 12th, San Francisco, Cal.

Ernst C. K. ("Ernst Perfection"), Buffalo, N. Y.

General Elevator Co., 1159 Howard, San Francisco, Cal.

Gillis & Geohegan, 537 W B'way, New York

Grossman Bros. & Rosenbaum, 82 Willow av

Grote F. Mfg. Co., 120 3rd av, Evansville, Ind.

Haughton Elevator & Machine Co., 679 Spencer, Toledo, O.

Houser Elev. Co., 314H E Water, Syracuse, N. Y.

Kansas City Elevator Mfg. Co., Kansas City, Mo.

Kieckhefer A. Elevator Co., Milwaukee, Wis.

Kimball Bros. Co., P O Box 154, Council Bluffs, Ia.

Kohlmetz Chas. E., Rochester, N. Y.

Kohlmetz H. L., Rochester, N. Y.

McLauthin Geo. T. Co., 120 Fulton, Boston, Mass.

Marshall Bros., S 21st, Pittsburgh, Pa.

Miller Wm. A. Mach. Elevator Co., 1000 N Main, St. Louis, Mo.

Murtaugh Elevator Co., 535 W 33d, New York

NEW JERSEY FOUNDRY & MACHINE CO., 90 West, New York

Ohio Elevator & Machine Co., Columbus, O.

Otis Elevator Co., 26th & 11th av, New York

Portland Elevator Co., 480 E Mill, Portland, Ore.

Prince Elevator Co., 231 W Grand av, Chicago, Ill.

Reedy H. J. Elevator Co. (Electric, Hydraulic & Hand Power), 15 W 2d, Cincinnati, O.

REVOLVATOR CO. ("Revolvator"), 395 Garfield av, Jersey City, N. J.
See adv index at end of book

Roberts Jas. H. Elevator Co., 270 Wash New York

Sedgwick Machine Works, 150 W 15th, New York

Speidel Elevator Corp., Reading, Pa.

Spencer Elevator Co., 166H 7th, San Francisco, Cal.

Storm Mfg. Co., 50 Vesey, Newark, N. J.

Warner Elevator Mfg. Co., Spring Grove av, Cincinnati, Ohio

WARSAW ELEVATOR CO., Warsaw, N. Y.
See adv index at end of book

Westbrook W. J. Elevator Co. ("Westbrook"), Dept. H, Greensboro, N. C.

Elevators (Stone)

See Elevators, Bucket

4289— Elevators (Theatre Orchestra Lifts)

Warsaw Elevator Co., Warsaw, N. Y.
See adv index at end of book

4289a— Elevators (Theatre Organ Lift)

Warsaw Elevator Co., Warsaw, N. Y.
See adv index at end of book

4290-1—Elevators (Traction)

AMERICAN ELEVATOR & MACHINE CO., Louisville, Ky.

Van Emon B. C., Elevators, Inc., 235 1st, San Francisco, Cal.

Warner Elevator Mfg. Co., Spring Grove av, Cincinnati, Ohio

WARSAW ELEVATOR CO., Warsaw, N. Y.
See adv index at end of book

4292—Elevators (Traveling, Coal)

Acme Road Machy. Co., Frankfort, N. Y.

Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book

Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

Elevators (Tray)

See Elevators, Barrel & Package

4293—*Elevators (Water. For Mine & Quarry)

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

4294—Elevators & Conveyors For All Purposes

Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book

CALDWELL & SON CO. H. W., 1700 S Western av, Chicago

Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book

Dow Co., 201H N Buchanon, Louisville, Ky.

Fulton Iron Works Co. (Sugar House), 1259 Delaware av, St. Louis, Mo.

Hunt, C. W. Co., West New Brighton, N. Y. *See adv index at end of book*

JEFFREY MFG. CO., 961 N Fourth, Columbus, O.
See adv index at end of book

Lamson Co., 100 Boylston, Boston, Mass.

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

4295— Eliminators

See also Extractors, Oil & Grease

Hoppes Mfg. Co., Springfield, O.

Nicholson W. H. & Co. ("Wyoming," Automatic), Wilkes-Barre, Pa.

Robertson Jas. L. & Son ("Hine's"), 73 Murray, New York.

4295a— Eliminators (Air)

DUNHAM CO., C. A., 230 E Ohio, Chicago
See adv index at end of book

Emery Cloth

See Paper, Flint, Sand & Emery

Emery Wheel Stands & Arbors

See Grinders, Emery

4296—Emery Wheels (Vulcanized Rubber)

Carborundum Co. (Carborundum & Aloxite), Niagara Falls, N. Y.

Hampden Corundum Wheel Co., Brightwood, Springfield, Mass.

Manhattan Rubber Mfg. Co., Passaic, N. J.

NEW YORK BELTING & PACKING CO. ("Vulcanite"), 91 Chambers, New York

4297— Emery & Corundum

See also Abrasives

Abrasive Co., James & Fraley, Phila, Pa.

Abrasive Mining & Mfg. Co. (Miners & Mfrs., Scimitar, Sultan Emery, Turkish Emery, Naxos Emery, Corundum), Plymouth, Ind., & Chester, Mass.

American Abrasive Co. (Natural & Artificial), Westfield, Mass.

Barker Bros. Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book

Brody Wm. & Co. (Dental Grinding), **("Anti-Thermo"), 1911 Park av, New York**

Carborundum Co. (Carborundum), Niagara Falls, N. Y.

Cutter & Wood Supply Co. ("Sultan"), 274 Friend, Boston, Mass.

General Abrasive Co., Niagara Falls, N. Y.

Goodrich A., Inc., 1500 Madison, Chicago, Ill.

Granite City Iron Wks Co., St. Cloud, Minn.

Hamilton Emery & Corundum Co., Chester, Mass.

Hampden Corundum Wheel Co., Brightwood, Springfield Mass.

Harrison Bros., Inc., Amesburg, Mass.

Harrison Supply Co. ("Natite" Artificial Corundum & Importers Natural Corundum), 5 Dorchester av, Boston, Mass.

Jackson Mills Emery Co. (Sumitar, Kulick, Turkish, Naxos & American Emery), Easton, Pa.

Kerner W. R. & Co. ("Kerner's Work-Rite" Turkish Emery), 1329 Thorndale av, Chicago, Ill.

Keystone Emery Mills ("Keystone Improved" American, Greek & Turkish), 4325 Paul, Phila., Pa.

Munning A. P. & Co., Mattawan, N. J.

National Abrasive Co. (Natite Corundum), 209 Washington, Boston, Mass.

Niagara Emery Mills Inc. (Turkish & Greek Noxos Emery, also "Niagara" Grain), 4325 Paul, Philadelphia, Pa.

Oriental Emery Co., New Haven, Conn.

Pittsburgh Grinding Wheel Co., Rochester, Pa.

Speare's Alden Sons Co., Cambridge, Mass.

Sterling Grinding Wheel & Eng. Co., 30 N Clinton, Chicago, Ill.

Stiles H. A. & Co. (Turkish, Naxos & American), 166-174 Portland, Boston, Mass. *See adv index at end of book*

(Continued on following page)

Emery & Corundum—Continued

Tanite Co. (Emery Only), Stroudsburg, Pa.
Van Amringe Theo. & Son (Turkish Emery), 171 William, New York
Washington Mills Emery Mfg. Co. (Turkish Emery), North Grafton, Mass.
White Heat Prods Co., Frayen, Pa.

4298—Emery & Corundum Wheel Mfrs.

Abrasive Co., Phila., Pa.
American Emery Wheel Works ("Carbolite"), 325 Waterman, Providence, R. I.
Bay State Emery Wheel Co. (Abrasive), 5 Winter, Worcester, Mass.
Best L. Co., 75 Barclay, New York
Bridgeport Safety Emery Wheel Co. (Carbo-Alumina" & "Silexon"), 88 Knowlton, Bridgeport, Conn.
See adv index at end of book
Carborundum Co. (Carborundum & Alexite), Niagara Falls, N. Y.
Chicago Wheel & Mfg. Co. ("Chicago"), 1101 W Monroe, Chicago, Ill.
Colonial Supply Co., 217 Water, Pittsburgh, Pa.
See adv index at end of book
Commercial Grinding Wheel Co., 922 W. Oliver, Chicago, Ill.
Cutter & Wood Supply Co., 274 Friend, Boston, Mass.
Dayton Grinding Wheel Co., Dayton, O.
Detroit-Star Grinding Wheel Co. (Vitrified Silicate & Elastic), 111 Cavalry, Detroit, Mich.
Eagle Emery & Corundum Wheel Co., 715 S Robey, Chicago, Ill.
Electric Emery Wheel Co., 827 Broad, Newark, N. J.
General Grinding Wheel Corp., Clementine, Thompson & Mercer, Phila., Pa.
Gold Walter C. ("The Keystone"), 235 Race, Phila., Pa.
Hampden Corundum Wheel Co., Brightwood, Springfield, Mass.
Keystone Emery Mills, 4325 Paul, Phila., Pa.
Maxf Grinding Wheel Corp ("Maxf"), Chester, Mass.
National Grinding Wheel Co., 2984 Main, Buffalo, N. Y.
Norton Company (Alundum & Crystolon), Barbers Crossing, Worcester, Mass.
PACIFIC ABRASIVE SUPPLY CO. (California Dist., The Carborundum Co.), 318 Mission, San Francisco, Cal.
Peninsular Emery Wheel Co. (Also Adamite Abrasive Wheels), 729 Meldrum, Detroit, Mich.
Pike Mfg. Co., Pike, N. H.
Pittsburgh Emery Wheel Co., Rochester, Pa.
Safety Emery Wheel Co., Springfield, O.
Scranton Whetstone & Abrasive Wheel Co., Scranton, Pa.
Spaulding & Metcalf ("Jasper"), 532H Arch, Phila., Pa.
Springfield Mfg. Co., Bridgeport, Conn.
Sterling Grinding Wheel Co. ("Sterling," "Sterlith" & "Sterbon"), Tiffin, O.
STILES H. A. & CO. (Also Artificial Abrasive Wheels), 166-174 Portland, Boston, Mass.
See adv index at end of book
Superior Corundum Wheel Co., Waltham, Mass.
Tanite Co., Stroudsburg, Pa.
Vitrified Wheel Co., Westfield, Mass.
Waltham Grinding Wheel Co., Waltham, Mass.
Waltham Grinding Wheel Co. ("Richardson"), Waltham, Mass.

4299—Employment Agencies (Engineers, Draftsmen & Other High Grade Men)

Cleveland Engineering Agency Co., Rose bldg, Cleveland, O.
Engineering Agency, Monadnock blk, Chicago, Ill.
Harrison H. H. & Co., 19 S La Salle, Chicago, Ill.

4300— Emulsifiers

Burrell D. H. & Co., Inc. ("Burrell-Simplex), Little Falls, N. Y.
Day J. H. Co., Cincinnati, O.
Elmer & Amend ("U. S. Navy"), 205 E 18th, New York
Sharpless Separator Co., West Chester, Pa.
Stuart & Peterson Co., Burlington, N. J.

4301—Enameled Ware Mfrs. (Kitchen)

American Stamping & Enameling Co., Bellaire, O.
Baltimore Stamping & Enameling Co. ("Oriole" Gray Ware), 909 E Pratt, Baltimore, Md.
Belmont Stamping & Enameling Co. ("Azure," "Sanitare," "Juniata," "Tuscore," "Cadet Blue"), New Phila., O.
Canton Stamping & Enameling Co. ("French," Grey), 810 Carnahan av, N E, Canton, O.
Central Stamping Co., 206 B'way, New York
Cleveland Metal Products Co. ("Aladdin"), 7609 Platt av & C & P tracks), Cleveland, O.
continued
Cleveland Stamping & Tool Co. ("Lava," "Volcanic"), E 53d & Hamilton, Cleveland, O.
Columbian Enameling & Stamping Co. ("Turquoise," "Onyx"), Terre Haute, Ind.
Coonley Mfg. Co. ("Roco" & "Clyde" Brands), Cicero, Ill.
Crunden Martins Mfg. Co. ("Spartan," "Leader," single coated gray), 2d & Gratiot, St. Louis, Mo.
Dunlap John Co. ("Monogram," "Blue-Stone," "Janet"), Carnegie, Pa.
Federal Enameling & Stamping Co., Thompson & Chartiers, Pittsburgh, Pa.
GEUDER PAESCHKE & FREY CO. (Also Galvanized, Japanned & Tinned), 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Jewett Stamping & Enameling Co. ("Jewett" Blue Mottled, White Lined), Jewett, O.
Kieckhefer Box Co., 133 N Water, Milwaukee, Wis.
Lafayette Stamping & Enameling Co., West Lafayette, O.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Lisk Mfg. Co., Canandaigua, N. Y.
Markt & Hammacher Co. (Swedish), 194 West. New York
Metal Package Corp. of N. Y., 110 E 42nd, New York *See adv index at end of book*
National Enameling & Stamping Co. ("Blue Ribbon"), 411 5th av, New York
New England Enameling Co. ("Barnard," "New England" & "Quaker"), Middletown, Conn.
Phoenix Metal Stamping Co., 2827 W Fletcher, Phila., Pa.
Porcelain Enameling Ass'n of America ("Polar-Brand"), Sheboygan, Wis.
Reed Mfg. Co. ("Reed"), Newark, N. Y.
Republic Metalware Co., 100 Alabama, Buffalo, N. Y.
Republic Stamping & Enameling Co. ("Old English" Gray Ware), Canton, O.
Smoot-Holman Co. ("Angeles" Porcelain), Inglewood, Cal.
Strong Mfg. Co. ("Everglade," "Concord," "Oceanic"), Sebring, O.
U. S. Stamping Co. (Also for Hospital), Moundsville, W. Va.
Vollrath Co. ("Vollrath" Enameled Steel & Cast Iron Wares), Sheboygan, Wis.

Enameled Ware Mfrs. (Plumbers')

See Bath Tubs, Lavatories, Sinks, etc

4302— Enamelers

See also Glass Enamelers
American Enamel Co. (Of Wood, Metal, etc), Providence, R. I.
Am. Tube & Stamping Co., Dept. H, Bridgeport, Conn.
Anderson Tool Co., Elyria, O.
Baltimore Enamel & Novelty Co. (Metal Stove Parts, etc.), Dept H, Mt. Winans, Baltimore, Md.
Beach Enameling Co., Coshocton, O.
BOGERT & HOPPER, INC. (Fancy and Plain Wood), 57 Barclay, New York
See adv index at end of book
Buffalo Porcelain Enameling Corp. (Vitreous), 1927 Elmwood av, Buffalo, N. Y.
California Metal Enameling Co., 2151 E 51st, Los Angeles, Cal.
Cleveland Metal Products Co. (Porcelain), 7609 Platt av & C & P Tracks, Cleveland, O.
Coast Plating & Enameling Works, 4069 Hollis, Emeryville, Cal.
Crysteel Works, of Benjamin Electric Mfg. Co., 847 W Jackson blvd, Chicago, Ill.
D. & G. Dial & Enameling Co., Waltham, Mass.
Elyria Enameled Products Co. (Vitreous), Elyria, O.
Enamel Products Co. (Porcelain Iron), Eddy rd & Taft av, Cleveland, O.
Estes E. B. & Sons (Fancy & Plain Wood), 364 5th av, New York
See adv index at end of book
Ferro Enameling Co. (Cast Iron Enameling), 4150 E. 56th, Cleveland, O.
Fowler Lamp & Mfg. Co., 59 E 24th, Chicago, Ill.
Geuder, Paeschke & Frey Co. (Porcelain Ware Vitreous), 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Humphryes Mfg. Co. (Porcelain Iron, for all Purposes), Mansfield, O.
Ingram Richardson Mfg. Co. (Vitreous Porcelain on Steel), Beaver Falls, Pa.
See adv index at end of book
McDowell Mfg. Co. (The), (Millvale Sta.), Pittsburgh, Pa.
See adv index at end of book
Michigan Enameling Works (Porcelain), Kalamazoo, Mich.
Narragansett Machine Co. (Wood & Metal), Providence, R. I.
North Star Spinning & Mfg Co., St. Paul, Minn.
Novelty Turning Co. (Wood), Norway, Me.
Pacific Enameling & Mfg. Co. (Sign & Stove), 880 60th, Oakland, Cal.
Pacific Enameling & Plating Co., 17th & Los Angeles, Los Angeles, Cal.
Phoenix Metal Stamping Co., 2937H W Fletcher, Phila., Pa.
Roper Geo. D. Corp., 707 S Main, Rockford, Ill.
St. Louis Trunk Hardware Mfg. Co., St. Louis, Mo.
Stiles H. A. & Co. (Wood), 166-174 Portland, Boston, Mass.
See adv index at end of book
Stirrup Mfg. Co., Inc., Market, Newark, N. J.
Sun Enamel Works (Fancy Wood Enameling & Japannings), Leominster, Mass.
Vitreous Enameling Corporation, 6800 Grant av, Cleveland, Ohio
See adv index at end of book

4303— Enamels

A. B. Polish Co. ("A. B." Screen & Iron), 1515 Haddon av, Chicago, Ill.
Acme White Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
Adams & Elting Co. ("Ad-el-ite" White & Tinted & Amel-ite-enamel Washable), 1835 Seward, Chicago, Ill.
Akron Varnish Co. ("Peerless"), Akron, O.
Allen Mfg. Co. (Wood Turning & Enameling Div.), New Durham, N. H.
American Enamel Co., Providence, R. I.
American Wood Preserving Co., 8743 N. Marshfield, Chicago, Ill.
Arco Co. Euclid av & E 65th, Cleveland, O.
Armstrong Paint & Varnish Works ("Agate Kote"), 2502 S Paulina, Chicago, Ill.
Atlastic Paint Mfg. Co. ("Atlastic"), 1007 Marquette av, Minneapolis, Minn.
Baer Bros., 438 W 37th, New York
BAKELITE CORP., (Acid-proof for protecting metal from corrosion and action of chemicals), 247 Park av, New York
See adv index at end of book

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247 Park Ave. New York, N. Y.
Chicago Office: 636 West 22nd Street

Bass Heuter Paint Co. ("Gold Seal"), 816 Mission, San Francisco, Cal.
Becker-Moore Paint Co., 2nd & Soulard, St. Louis, Mo.
Bennett Varnish Co. ("Carbeno"), 2215 Elston av, Chicago, Ill.
Berry Bros. ("Luxeberry"), 211 Leib, Detroit, Mich.
Bettes A. O. Mfg. Co. ("Ideal"), 1008 Union, Kansas City, Mo.
Bigelow Varnish Co. (White), 87 Oliver, Newark, N. J.
Billings-Chapin Co. ("Bilchaco"), 1163 E 40th, Cleveland, O.
Bird J. A. & W. & Co. ("Ripolin," Imported), 348 Concord sq, Boston, Mass.
Biturine Co., 1 Drumm, San Francisco, Cal.
Blue Ribbon Paint Co., Wheeling, W. Va.
Booth J. B. Co., 216 E Robinson, Pittsburgh, Pa.
Boston Varnish Co. ("Kyanize" White), Everett Station, Boston, Mass.
Boydell Bros. White Lead & Color Co., 432 E Lafayette, Detroit, Mich.
Bradley & Vrooman Co., 2632 S Dearborn, Chicago, Ill.
Bradley-Wise Paint Co., 49th & Pacific blvd, Los Angels, Cal.
Bridgeport Wood Finishing Works (Du Pont), Philadelphia, Pa.
Brown Chas. H. Paint Co. 262 Fulton, Brooklyn, N. Y.
Buffalo Oil, Paint & Varnish Co., 24 Evans, Buffalo, N. Y.
California Paint Co. ("Cal-Pa-Co.," "12 Test"), 1797 12th, Oakland, Cal.
Cambria Paint & Color Co. Ltd., Johnstown, Pa.
Celluloid Zapon Co. ("Zapon" Lacquer), 247 Park av, New York
Certain-teed Products Co. ("Certain-teed" Snow White), Boatmans Bank bldg, St. Louis, Mo.
CHICAGO VARNISH WORKS ("Flow-Kote"), 2100 Elston av, Chicago, Ill.
Connors, Wm. Paint Mfg. Co., H. River, Troy, N. Y.
Continental Products Co. (White, etc), Quebec av, Cleveland, O.
Continental Varnish Co., 183 Ingraham, Brooklyn, N. Y.
Cooledge F. J. & Sons (English), Atlanta, Ga.
Crown Varnish & Enamel Co., 2322 N Seeley av, Chicago, Ill.

Davis H. B. Co., Bayard & Severn, Baltimore, Md.
Day Jas. B. & Co., 224 W Superior, Chicago, Ill.
Denny, Hilborn & Rosenbach, 230 N 12th, Phila., Pa.
Detroit Graphite Co. (Machinery, Pipe, etc.), 518 12th, Detroit, Mich.
Devoe & Reynolds Co., Inc. ("Devoe"), 101 Fulton, New York
Dixon Wm. (Jewelers, Imp.), 119 Fulton, New York
DU PONT E. I. DE NEMOURS & CO., INC. (Chemical Products Div.), "Pyralin Enamel," & "Duco Finish," (see adv. at Chemicals) Parlin, N. J.
See adv index at end of book
DU PONT E. I. DE NEMOURS & CO., INC., Paint and Varnish Dept. ("Flow Kote" & Interior, Exterior, Colored & Machinery), (see adv. at Paints), 3500 Grays Ferry rd, Philadelphia, Pa.
See adv index at end of book
Durkee Atwood Co., 40 Wilder, Minneapolis, Minn.
Eagle Paint & Varnish Co. (Sanitary White), 225 Galveston av, Pittsburgh, Pa.
Elmendorf Varnish Co., 841 Larrabee, Chicago, Ill.
Ernecke & Salmstein Co. ("Ernsalin" Paint for Walls & Ceilings), 944 W North av, Chicago, Ill.
Everard-Yates Paint Co., 470 Treat av, San Francisco, Cal.
Felton, Sibley & Co., 136 N 4th, Phila., Pa.
Ferro Enameling Co., 4150 E 56th, Cleveland, Ohio
Flint Varnish & Color Works, Flint, Mich.
Flood & Conklin Co. ("Vitrawite"), 132 Chestnut, Newark, N. J.
Forest City Paint & Varnish Co. (All Kinds), 3334 Lakeside av, Cleveland, Ohio
Fort Pitt Oil & Paint Co., 3206H Penn av, Pittsburgh, Pa.
French Samuel H. & Co., 4th & Callowhill, Phila., Pa.
Fuller W. P. & Co., 801 Mission, San Francisco, Cal.
Gem Mfg. Co. (Wood Turning & Enameling Div.), New Durham, N. H.
Gerstendorfer Bros. ("Sapolin"), 221 E 42nd, New York
Gibson Paint Co., 1645 E 12th, Oakland, Cal.
Gimbel Geo. & Co., Inc., 116 Broad, New York
Glidden Co., Madison av & Berea rd, Cleveland, O.
Globe Paint Co., Williamsport, Pa.
Globe Varnish Co. "Haviland" Decorative), Kelly & La Schall, Pittsburgh, Pa.
Goheen Corp. of N. J. ("Enamelette"), 202 Emmett, Newark, N. J.
Heath & Milligan Mfg. Co., 1833 Seward, Chicago, Ill.
Hegeman-Castle Corp. "Anglo American"), 80 E Jackson, Chicago, Ill.
Hetzel J. G. (Est. of), 67 Main, Newark, N. J.
Holden & White ("Anglo American"), 80 E Jackson, Chicago, Ill.
IMPERVIOUS VARNISH CO., 421 Wood, Pittsburgh, Pa.
Ironite Paint & Varnish Co., 2485 Hunter ("Ironite"), Los Angeles, Cal.
Johnson S. C. & Son ("Johnson's Perfectone"), Racine, Wis.
Lancaster Paint & Glass Co., Lancaster, Pa.
Lawrence W. W. ("Gold Star," "Scotch White," "Tiger White"), W Carson, Pittsburgh, Pa.
Leggett & Bro., 301 Pearl, New York
Lincoln Paint & Color Co. ("Lancaster" & "Paragon"), Lincoln, Neb.
Lion Varnish Mfg. Co., Inc. ("Excelite"), 3420 13th av S.W., Seattle, Wash.
Lloyd W. H. S. Co. (Imp), English, "Paripan," 105 W 40th, New York
Lucas John & Co. ("Lucaseal," Outside & Inside), 322 Race, Phila., Pa.
McGrew Paint Mfg. Co., 2324 E 37th, Los Angeles, Cal.
McKee Geo. B. Co., 2d & San Fernando, San Jose, Cal.
Martin-Senour Paint Co., 2520 Quarry, Chicago, Ill.
Mathews Paint Co., 219 S Los Angeles, Los Angeles, Cal.
Mayer & Loewenstein, 164 Water, New York
Miller & Graham, 21 S Gay, Baltimore, Md.
Moore Benjamin & Co., 231 Front, Brooklyn, N. Y.
Mountain Varnish & Color Works Inc., Upton av, Toledo, Ohio
Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.
Newark Varnish Works ("White Copal"), 111 Delancey, Newark, N. J.
Nice Eugene E., 272 S 2d, Phila., Pa.
Northwestern Chemical Co. ("Brass Kote," "Never Burn"), Marietta, O.
Nubian Paint & Varnish Co., 1856 Leclaire av, Chicago, Ill.
Parker C. H. Co. (Wire Fence), Valparaiso, Ind. *See adv index at end of book*
Patterson-Sargent Co., 1325 E 38th, Cleveland, O.
Pecora Paint Co., 4th & Sedgley av, Philadelphia, Pa.
Phoenix Paint & Varnish Co. (Marbleite), 124 Market, Phila., Pa.
Prang Co. ("Enamelac"), 2001 Calumet av, Chicago, Ill.
Pratt & Lambert ("Vitralite," White), 189 Tonawanda, Buffalo, N. Y.
Prufo Products Co. ("Prufo" for automobile), 54 Union av, Portland, Ore.
Rasmussen & Co. ("Racolite"), 2nd & Taylor, Portland, Ore.
Remien & Kuhnert Co., 63 W Grand av, Chicago, Ill.
Richmond Bros., 616 Main, Cincinnati, O.
Rinald Bros. Paint Works, Inc. ("Porcelain"), Gray's Ferry rd & Grove, Philadelphia, Pa.
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book
Rosenbush & Solomon Inc., 33rd & Shields av, Chicago, Ill.
Ruberoid ("Ruberoid"), 95H Madison, New York
Schlegel Oscar Mfg. Co., 124 E 13th, New York
Sewall Paint & Glass Co., 1009 W 8th, Kansas City, Mo.
Sherwin-Williams Co. ("Old Dutch"), 601 Canal rd, Cleveland, Ohio
Shoemaker Root. & Co. Inc., 4th & Race, Phila., Pa.
Smith Edw. & Co. ("Esco," "Rex," "Matte," "White"), 127 West av, Long Island City, N. Y.
Standard Paint & Lead Wks., Cleveland, Ohio
Standard Varnish Works ("Calova," "Kwickwork," "Satinette"), 443H 4th av, New York
Stanley Chemical Co., East Berlin, Conn.
Star-Peerless Wall Paper Mills, 1314 Benton, Joliet, Ill.
Supreme Paint Varnish & Enamel Co., 1375 Golden Gate av, San Francisco, Cal.
Thompson Thos. C. (Vitrifiable for Use on Copper, Iron, Steel, Gold & Silver), 1419 Central av, Wilmette, Ill.
Thomson Wood Finishing Co. ("Porcelite"), 529 N 3rd, Philadelphia, Pa.
See adv index at end of book
Tibbetts-Westerfield Paint Co. ("T.W.P."), 2435 E 26th, Los Angeles, Cal.
Toch Bros., 320 5th av, New York
United Varnish Company, 248 Green, Long Island City, N. Y.
U. S. Gutta Percha Paint Co. ("Chinaline" for Interior Finish), 12-30 Dudley, Providence, R. I.
Boston Varnish Co. ("Black Dazzle").
Valentine Co. ("Valspar"), 456 Fourth av, New York
Vitreous Enameling Corporation, 6800 Grant av, Cleveland, Ohio
See adv index at end of book
Wadsworth-Howland Co., 225 N Carpenter, Chicago, Ill.
Wadsworth, Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.
Waterall Wm. & Co., Inc., Camden, N. J.
Wilhelm A. Co. ("Royaluxe"), Reading, Pa.
Willey C. A. Co., Hancock, Long Island City, N. Y.
Woodtite Laboratories, Modesto, Cal.
Woolsey C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.
Zeller Lacquer Mfg. Co. ("Zellac" Lacquer), 342 Madison av, New York

4304— Enamels (Air Drying)

Acme White Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
Arnstein Eugene, 253 N Western, Chicago, Ill.
Bohan E. R. & Co., 130 E 9th, Los Angeles, Cal.
California Paint Co., Oakland, Cal.
Celluloid Zapon Co. ("Zapon"), 247 Park av, New York.
Day Jas. B. & Co., 224 W Superior, Chicago, Ill.
Durkee-Atwood Co. ("Rie Nie"), 40 Wilder, Minneapolis, Minn.
French Sam'l H. & Co., 4th & Callowhill, Phila., Pa.
Globe Paint Co., Williamsport, Pa.
Hall-Thompson Co. ("Jet-Lac"), Hartford, Conn.
Impervious Varnish Co., 421 Wood, Pittsburgh, Pa.
Lawrence W. W. & Co. ("Gold Star," "Scotch White," "Tiger White" Engine Enamel), W Carson, Pittsburgh, Pa.
Lincoln Paint & Color Co., Lincoln, Neb.
Lucas John & Co., 322 Race, Phila., Pa.
Nice Eugene E., 272 So. 2nd, Phila., Pa.
Nubian Paint & Varnish Co., 1856 Leclaire av, Chicago, Ill.
Ohmlac Mfg. Co., 140 S Dearborn, Chicago, Ill.
Patton Paint Co., Milwaukee, Wis.
Pecora Paint Co., 4th & Sedgley av, Philadelphia, Pa.
Perry-Derrick Varnish Co., Vine & C. & O. Ry., Cincinnati, O.
Pratt & Lambert Inc., Buffalo, N. Y.
Rinald Bros. Paint Works, Inc., Gray's Ferry rd & Grove, Philadelphia, Pa.
Sherwin-Williams Co., Cleveland, O.
Standard Varnish Wks., 90 West, New York
Star-Peerless Wall Paper Mills, 1314 Benton, Joliet, Ill.
U. S. Gutta Percha Paint Co., 12-30 Dudley, Providence, R. I.
Valentine Co., 456 Fourth av, New York
Victor Chemical Co. ("Victor"), 1953 S Los Angeles, Los Angeles, Cal.
Wadsworth Howland & Co. ("Bay State"), **141 Federal, Boston, Mass**
Willey C. A. Co., Hancock, Long Island City, N. Y.
Woolsey C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.

Enamels (Aluminum)

See Paints, Aluminum & Gold

4304a— Enamels (Anti-Rust)

Impervious Varnish Co., 421 Wood st., Pittsburgh, Pa.

4305—Enamels (Architectural)

Acme White Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
CHICAGO VARNISH WORKS ("Flow-Kote"), 2100 Elston av, Chicago, Ill.
Day Jas. B. & Co., 224 W Superior, Chicago, Ill.
Detroit Graphite Co., 518 12th, Detroit, Mich.
Globe Paint Co., Williamsport, Pa.
Lucas John & Co., 322 Race, Phila., Pa.
Murphy Varnish Co. (Exterior & Interior White, etc), 224 McWhorter, Newark, N. J.
Nice Eugene E., 272 So 2nd, Phila., Pa.
Unkefer Varnish Co., 1827 Le Claire av, **Chicago, Ill.**
Valentine & Co. ("Lawson" Exterior & Interior White, etc), 456 4th av, New York
Wadsworth Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.

4305a—Enamels (Automobile and Fender)

IMPERVIOUS VARNISH CO., 421 Wood, Pittsburgh, Pa.

4306— Enamels (Baking)

Acme White Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
Akron Varnish Co., Akron, O.
American Enamel Co., Providence, R. I.
Arlington Mfg. Co., Canton, O.
Arnstein Eugene, 253 N Western, Chicago, Ill.
Boston Varnish Co. ("Black Dazzle"), Everett Station, Boston, Mass.
Bradley Wise Paint Co., 49th & Pacific blvd, Los Angeles, Cal.
Buffalo Oil, Paint & Varnish Co., 24 Evans, Buffalo, N. Y.
California Paint Co., Oakland, Cal.
Chase Roberts & Co. ("Kismet" & "Ozone"), West av, Long Island City, N. Y.
Clement Coverall Co., Camden, N. J.
Despatch Mfg. Co., Inc., 120-122 1st av N, Minneapolis, Minn.
Essex Varnish Co., 213 McWhorter, Newark, N. J.
Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, O.
Fort Pitt Oil & Paint Co., 3206 Penn av, **Pittsburgh, Pa.**
French Samuel H. & Co., 4th & Callowhill, Philadelphia, Pa.
Globe Paint Co., Williamsport, Pa.
Hilo Varnish Co., Marcy & Flushing avs, Brooklyn, N. Y.
IMPERVIOUS VARNISH CO., 421 Wood, Pittsburgh, Pa.
McDougall Varnish Co., 24 Evans, Buffalo, N. Y.
Masury John W. & Son, 50 Jay, Brooklyn, N. Y.
Mets P. A. Paint Co. ("Besco" & "True"), 769 Clinton, Buffalo, N. Y.
Mound City Paint & Color Co., 11th & Mullanphy, St. Louis, Mo.
Murphy Varnish Co., 224 McWhorter, Newark, N. J.
Nice Eugene E., 272 So 2nd, Phila., Pa.
Nubian Paint & Varnish Co., 1856 Le Claire av, Chicago, Ill.
Ohmlac Paint & Refining Co., 140 S Dearborn, Chicago, Ill.
Patton Paint Co., Milwaukee, Wis.
Pecora Paint Co., 4th & Sedgley av, Philadelphia, Pa.
Perry-Derrick Varnish Co., Vine & C. & O. Ry., Cincinnati, O.
Pratt & Lambert, Inc., 189 Tonawanda, Buffalo, N. Y.
Rinald Bros. Paint Works, Inc., Gray's Ferry rd & Grove, Philadelphia, Pa.
Sherwin-Williams Co., Cleveland, O.
Standard Varnish Works, 90 West, New York
Thomson Wood Finishing Co., 529 N 3rd, Phila., Pa. *See adv index at end of book*
Wadsworth Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.
Wilhelm A. Co., Reading, Pa.

4307— Enamels (Bath Tub)

Acme White Lead & Color Works, St. Aubin & M. C. R. R., Detroit, Mich.
Arnstein Eugene, 253 N Western av, Chicago, Ill.
Boston Varnish Co. ("Kyanize"), Everett Station, Boston, Mass.
Brown Chas. H. Paint Co. ("Statesman"), 262 Fulton, Brooklyn, N. Y.
Burdsal A. Co. (Interior Finishing Mill Whites). Factory: Capitol & Ga., Indianapolis, Ind.
Calman Emil & Co. ("Enamolin," White), 100 William, New York

(Continued on following page)

Enamels (Bath Tub)—Continued

Certain-teed Products Co. ("Certain-teed"), Boatman's Bank bldg, St. Louis, Mo.
Continental Products Co., Quebec av, Cleveland, O.
Davis H. B. Co., Bayard & Severiln, Bal-
Day Jas. B. & Co., 224 W Superior, Chicago, Ill.
Elastic Compound Paint Co. ("Elastic Compound Armature Black"), 5131 Kershaw, Phila., Pa.
French Samuel H. & Co., 4th & Callowhill, Philadelphia, Pa.
Fuller W. P. & Co. (Enamel & First Coater), 801 Mission, San Francisco, Cal.
Gerstendorfer Bros. ("Sapolin"), 221 E 42d, New York
Globe Varnish Co. ("Edgar's"), Kelly & La Schall, Pittsburgh, Pa.
Lawrence W. W. & Co. ("Gold Star," "Scotch White," "Tiger White"), W Carson, Pittsburgh, Pa.
Lincoln Paint & Color Co., Lincoln, Neb.
Lucas John & Co., 322 Race, Phila., Pa.
Masury John W. & Son, 50 Jay, Brooklyn, N . Y.
Miller & Graham, 21 S Gay, Baltimore, Md.
Moore Benjamin & Co., 231 Front, Brooklyn, N. Y.
Moser Chas. Co., Cincinnati, O.
Mound City Paint & Color Co., 11th & Mullanphy, St. Louis, Mo.
Nice Eugene E., 272 S 2nd, Phila., Pa.
Pecora Paint Co., 4th & Sedgley av, Philadelphia, Pa.
Pratt & Lambert (Inc.), ("Vitralite"), 189 Tonawanda, Buffalo, N. Y.
Richmond Bros., 616 Main, Cincinnati, O.
Rinald Bros. Paint Works, Inc., Gray's Ferry rd & Grove, Philadelphia, Pa.
St. Paul White Lead & Oil Co., Water & Starkey, St. Paul, Minn.
Sherwin-Williams Co., Cleveland, O.
Smith Edw. & Co., 127 W av, Long Island City, N. Y.
Standard Varnish Wks., 90 West, New York
Thomson Wood Finishing Co., 529 N 3rd, Phila., Pa. *See adv index at end of book*
U. S. Gutta Percha Paint Co., 12-30 Dudley, Providence, R. I.
Wadsworth, Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.
Wilhelm A. Co., Reading, Pa.

4308— Enamels (Brewers')

Dehls & Stein, Inc. (Black Tank), 239 South, Newark, N. J.
French Samuel H. & Co., 4th & Callowhill, Phila., Pa.
Gimbel Geo. & Co., Inc., 116 Broad, New York
Hilo Varnish Co., Marcy & Flushing avs, Brooklyn, N. Y.
Lawrence W. W. & Co. ("Gold Star," "Scotch White," "Tiger White"), W Carson, Pittsburgh, Pa.
Lucas John & Co., 322 Race, Phila., Pa.
Nubian Paint & Varnish Co., 1856 Leclaire av, Chicago, Ill.
Pecora Paint Co., 4th & Sedgley av, Philadelphia, Pa.
Pratt & Lambert, 189 Tonawanda, Buffalo, N. Y.
Rinald Bros. Paint Works, Inc., Gray's Ferry rd & Grove, Philadelphia, Pa.
Sherwin-Williams Co., Cleveland, O.
Standard Varnish Wks., 90 West, New York
U. S. Gutta Percha Paint Co., 12-30 Dudley, Providence, R. I.
Wadsworth, Howland Co. ("Bay State"), 141 Federal, Boston, Mass.
Wilhelm A. Co., Reading, Pa.

4309-10— Enamels (Flat)

Acme White Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
Globe Paint Co., Williamsport, Pa.
Pecora Paint Co., 4th & Sedgley av, Phila, Pa.
Rinald Bros. Paint Works, Inc., Gray's Ferry rd & Grove, Philadelphia, Pa.
Standard Varnish Wks., 90 West, New York
Star-Peerless Wall Paper Mills, 1314 Benton, Joliet, Ill.
Wadsworth, Howland Co. ("Bay State"), 141 Federal, Boston, Mass.

Enamels (Gold)

See Paints, Aluminum & Gold

Enamels (Iron)

See Enamels, Baking; Enamels, Stove Pipe; Paints for Coating & Preserving Iron & Steel

4311—Enamels (Locomotive, Truck & Car)

Acme White Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
Detroit Graphite Co., 518 12th, Detroit, Mich.
Globe Paint Co., Williamsport, Pa.
Lucas John & Co., 322 Race, Phila., Pa.
Murphy Varnish Co., 224 McWhorter, Newark, N. J.
Nice Eugene E., 272 So 2nd, Phila., Pa.
Parker C. H. Co., Valparaiso, Ind.
See adv index at end of book
Patton Paint Co., Milwaukee, Wis.
Permatex Co., Inc. ("Permatex" Engine), Sheepshead Bay, N. Y.
St. Louis Surfacer & Paint Co., Arlington & Terminal Belt Line, St. Louis, Mo.
Standard Varnish Wks., 90 West, New York
Wadsworth, Howland & Co. ("Bay State") 141 Federal, Boston, Mass.
Willey C. A. Co., Hancock, Long Island City, N. Y.

4312— Enamels (Porcelain)

Day Jas. B. & Co., 224 W Superior, Chicago, Ill.
Ferro Enameling Co., 4150 E 56th, Cleveland, Ohio
Pacific Enameling & Mfg. Co., 880 60th, Oakland, Cal.
Rinald Bros. Paint Works, Inc., Gray's Ferry rd & Grove, Philadelphia, Pa.
Vitreous Enameling Corporation, 6800 Grant av, Cleveland, Ohio
See adv index at end of book

4313— Enamels (Radiator)

American Enamel Co., Providence, R. I.
Arnstein Eugene, 253 N Western, Chicago, Ill.
Brown Chas. H. Paint Co. ("Statesman"), 262 Fulton, Brooklyn, N. Y.
Davis H. B. Co., Bayard & Severn, Baltimore, Md.
Detroit Graphite Co., 518 12th, Detroit, Mich.
Day Jas. B. & Co., 224 W Superior, Chicago, Ill.
French Samuel H. & Co., 4th & Callowhill, Philadelphia, Pa.
Gerstendorfer Bros., 221 E 42d, New York
Globe Paint Co., Williamsport, Pa.
Impervious Varnish Co., 421 Wood, Pittsburgh, Pa.
Lawrence W. W. & Co. ("Gold Star," "Scotch White," "Tiger White"), W Carson, Pittsburgh, Pa.
Lucas John & Co., 322 Race, Phila., Pa.
Moser Chas. Co., Cincinnati, O.
Mound City Paint & Color Co., 11th & Mullanphy, St. Louis, Mo.
Nice Eugene E., 272 So 2nd, Phila., Pa.
Nubian Paint & Varnish Co., 1856 Leclair av, Chicago, Ill.
O'Brien Varnish Co., South Bend, Ind.
Pecora Paint Co., 4th & Sedgley av, Philadelphia, Pa.
Pratt & Lambert (Inc.), 189 Tonawanda. Buffalo, N. Y.
Richmond Bros., 616 Main, Cincinnati, O.
Rinald Bros. Paint Works, Inc., Gray's Ferry rd & Grove, Philadelphia, Pa.
St. Paul White Lead & Oil Co., Water & Starkey, St. Paul, Minn.
Standard Varnish Wks., 90 West, New York
Star-Peerless Wall Paper Mills, 1314 Benton, Joliet, Ill.
Sherwin-Williams Co., Cleveland, O.
Valentine Co., 456 Fourth av, New York
Wadsworth, Howland & Co. ("Bay State") 141 Federal, Boston, Mass.
Wilhelm A. Co., Reading, Pa.

4314—Enamels (Storage Battery)

Impervious Varnish Co., 421 Wood, Pittsburgh, Pa.
Lucas John & Co., 322 Race, Phila., Pa.
Mound City Paint & Color Co., 11th & Mullanphy, St. Louis, Mo.
Sherwin-Williams Co. ("S.-W." Insulating), Cleveland, O.
Standard Varnish Wks., 90 West, New York
Sonneborn L. Sons, 114 5th av, New York

4315— Enamels (Stove Pipe)

Acme White Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
American Enamel Co., Providence, R. I.
Black Silk Stove Polish Works, Sterling, Ill.
Boston Varnish Co., Everett Station, Boston, Mass.
Brown Chas. H. Paint Co. ("Statesman"), 262 Fulton, Brooklyn, N. Y.
Cambria Paint & Color Co. (Ltd.) ("Black Boy"), Johnstown, Pa.
Certain-teed Products Co., St. Louis, Mo.
CHICAGO VARNISH WORKS, 2100 Elston av, Chicago, Ill.
Day Jas. B. & Co. ("Elston"), 224 W Superior, Chicago, Ill.
DU PONT E. I. DE NEMOURS & CO., INC., Paint & Varnish Dept., (See adv. at Paints), 3500 Grays Ferry rd, Philadelphia, Pa.
See adv index at end of book
Gerstendorfer Bros., 221 E 42d, New York
Glidden Co. (Protective Black), Madison av & Berea rd, Cleveland, O.
Globe Paint Co., Williamsport, Pa.
Lawrence W. W. & Co. ("Gold Star," "Scotch White," "Tiger White"), W Carson, Pittsburgh, Pa.
Lincoln Paint & Color Co., Lincoln, Neb.
Lucas John & Co., 322 Race, Phila., Pa.
Masury John W. & Son, 50 Jay, Brooklyn, N. Y.
Moore Benjamin & Co., 231 Front, Brooklyn, N. Y.
Moser Chas. Co., Cincinnati, O.
Mound City Paint & Color Co., 11th & Mullanphy, St. Louis, Mo.
Nubian Paint & Varnish Co. ("Bonnell's" "English"), 1856 Leclaire av, Chicago, Ill.
Patton Paint Co., Milwaukee, Wis.
Prince Jas. H. Paint Co., 5 Lancaster, Boston, Mass.
Richmond Bros., 616 Main, Cincinnati, O.
Rinald Bros. Paint Works, Inc., Gray's Ferry rd & Grove, Philadelphia, Pa.
Rutland Fire Clay Co. ("Rutland"), Rutland, Vt.
Sherwin-Williams Co., Cleveland, O.
Standard Varnish Wks., 90 West, New York
Star-Peerless Wall Paper Mills, 1314 Benton, Joliet, Ill.
Wadsworth, Howland & Co. ("Bay State") 141 Federal, Boston, Mass.
Wilhelm A. Co., Reading, Pa.

4315a— Enamels (Vitreous)

Hommel O. Co., 211 4th av, Pittsburgh, Pa.
Thompson Thos. C. (For Copper, Iron, Steel & Gold), Wilmette, Ill.
Vitro Mfg. Co., Bessemer bldg., Pittsburgh, Pa.

4316—Enamels (Window Screen)

Acme White Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
DU PONT E. I. DE NEMOURS & CO., INC., Paint & Varnish Dept., (See adv. at Paints), 3500 Grays Ferry rd, Phila., Pa.
See adv index at end of book
Gerstendorfer Bros. ("Sapolin") 221 E 42d, New York
Globe Paint Co., Williamsport, Pa.
Impervious Metal Corp., 421 Wood, Pittsburgh, Pa.
Lawrence W. W. & Co. ("Gold Star," "Scotch White," "Tiger White"), W Carson, Pittsburgh, Pa.
Masury John W. & Son, 50 Jay, Brooklyn, N.Y.
Moser Chas. Co., Cincinnati, O.
Nice Eugene E., 272 S 2nd, Phila., Pa.
Richmond Bros., 616 Main, Cincinnati, O.
Star-Peerless Wall Paper Mills, 1314 Benton, Joliet, Ill.
Valentine Co., 456 Fourth av, New York
Wadsworth, Howland & Co. ("Bay State") 141 Federal, Boston, Mass.

4317—Encasing (Lead Cable)

Robertson John & Co., 133 Water, Brooklyn, N. Y.
Watson-Stillman Co., 38 Church, New York
See adv index at end of book

4317a—Enclosures (Tool Room)

Buffalo Wire Works, 453 Terrace, Buffalo, N. Y.
See adv index at end of book

4318— *End Flights

CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Jeffrey Mfg. Co., 961 N 4th, Columbus O.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

4319— Ends (Bolt)

American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
American Equipment Co., Norristown, Pa.
Bethlehem Steel Co., So. Bethlehem, Pa.
Bonney Forge & Tool Works, Telghman, Allentown, Pa.
Bourne Fuller Co. Hanna bldg, Cleveland, Ohio
Clark Bros. Bolt Co., Millidale, Conn.
See adv index at end of book
Columbus Bolt Works Co., Columbus, O.
Continental Bolt & Iron Works. 2225 W 43d, Chicago, Ill.
Gary Screw & Bolt Co., Gary, Ind.
Graham Nut Co., 1317 W Carson, Pittsburgh, Pa.
Harrison Bolt & Nut Co., Harrison, N. J.
Haskell Wm. H. Mfg. Co., Pawtucket, R.I.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Hubbard & Co., 63d & Butler, Pittsburgh, Pa.
Interstate Bridge Forge & Mfg. Co., 721 Broad, Newark, N. J.
Kansas City Bolt & Nut Co., Sheffield Station, Kansas City, Mo.
Kirk-Latty Mfg. Co. (The), 8500 Madison av, Cleveland, O.
See adv index at end of book
Lake Erie Bolt & Nut Co., ft. of E 63rd, Cleveland, O.
Lamson & Sessions Co., 2138 Sevauton rd, S. W., Cleveland, O.
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
New England Bolt Co., Everett, Mass.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Pittsburgh Screw & Bolt Co., Preble av., Pittsburgh, Pa.
Republic Iron & Steel Co., Youngstown, O.
See Branch Offices, Alphabetical Section
Reynolds James Mfg. Co., 95 Mill River, New Haven, Conn.

Rhode Island Tool Co. (With Square Nut), Providence, R. I.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.
Scranton Bolt & Nut Co., Scranton, Pa.

4320— Ends (Canopy)

Union Forging Co., Union, N. Y.

4321— Ends (Car)

Van Dorn Coupler Co. ("Van Dorn" One-Piece Steel), 2325 S Paulina, Chicago, Ill.

4322— Ends (Curtain Pole)

Judd H. L. Co., 87 Chambers, New York

4323— Ends (Joint)

Baldwin E. N. (For Carriage Tops), Shelton, Conn.
Columbus Bolt Works Co., Water & Chestnut, Columbus, Ohio
Union Forging Co., Union, N. Y.

4323a—Ends (Tamping Pick)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

4324— Ends (Rod & Yoke)

Billings & Spencer Co. (Drop Forged), Hartford, Conn.
Bonney Forge & Tool Works, Telghman, Allentown, Pa.
Williams J. H. Co. (Drop Forged), 400 Vulcan, Buffalo, N. Y.

4325— Ends (Shaft)

Crandal-Stone Division The Brewer-Titchener Corp. ("Pioneer"), Binghamton, N. Y.
Steel Socket Shaft End Co. (Spliced Joint), 1432 E 49th, Cleveland, O.

4326—Engine Parts (Aeroplane)

Allegheney Forging Co., Keenan bldg., Pittsburgh, Pa.
Burd High Compression Ring Co., 23rd
Barcalo Mfg. Co., Buffalo, N.Y.
av & 10th, Rockford, Ill.
Aluminum Castings Co., 2210 Harvard av, Cleveland, O.
Crosby Steam Gage & Valve Co., 40 Central, Boston, Mass.
Doehler Die Casting Co., 9th & Court, Brooklyn, N. Y.
Gill P. H. & Sons, 2 Lorraine, Brooklyn, N. Y.
Hayes Mrg. Co., Detroit, Mich.
Hydraulic Pressed Steel Co., 3812 E 61st, Cleveland O.
Levett Walker M. Co., 417-421 E 23rd, New York
Meisel Press Mfg. Co., 942 Dorchester av, Boston, Mass.
Park Drop Forge Co., 760 E 79th, Cleveland, O.
Pressed Steel Products Co., Broad & Beaver, New York
Standard Parts Co., Edgewater Park, Cleveland, O.
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Taft-Pierce Mfg. Co., Woonsocket, R. I.
Tioga Steel & Iron Co., Philadelphia, Pa.
Williams J. H. & Co., Richards, Brooklyn, N. Y.
Wyman-Gordon Co., 105 Madison, Worcester, Mass.
Zeigler Mfg. Co., Alexandria, Ind.

4327-8— Engine Shields & Guards

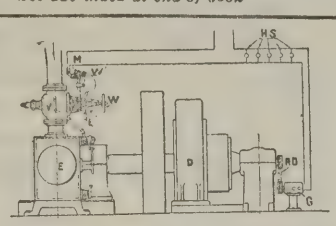
Algonquin Elec. Mfg. Co., Poughkeepsie, N. Y.
Atwater Kent Mfg. Co., 4951 Stenton av, Phila., Pa.
BREESE BROS. CO. (THE), 2349 Reading rd, Cincinnati, O.
See adv index at end of book

The Breese Bros. Company
SHEET METAL WORK
Pressed Steel
Welded and Riveted Machine Guards
(Made from plain perforated or Expanded Metal)
2347 Reading Rd., Cincinnati, Ohio

Dufur & Co., 311 N Howard, Baltimore, Md.
Kraft A. C., 323 W Lake, Chicago, Ill.
North East Electric Co., Rochester, N. Y.
Strandwitz & Scott, Camden, N. J.

4329—Engine Stops (Speed Limit)

Consolidated Engine Stop Co. ("Monarch," "Corliss," "Columbia"), 120 Liberty, New York
Falls Machine Co., Sheboygan Falls, Wis.
Ford Thos. P. Co., 407 Broome, New York
Hennebohle Frank, 31st & S. Chicago av, Chicago, Ill.
Locke Regulator Co. ("Locke" Automatic for Steam, Electric & Mechanical), Salem, Mass.
Racine Brass & Iron Co. (For Ford Only), Racine, Wis.
SCHUTTE & KOERTING CO. ("Schutte" Steam & Electrically Operated), 1251 N 12th, Phila., Pa.
See adv index at end of book



Overspeed governor or distant switch operated trip throttle or butterfly valve on prime mover. Quick positive action.
Catalog 8-D.
SCHUTTE & KOERTING CO.
1251 North 12th Street, Philadelphia, Pa.

Simplex Mfg. Co. (For Fords), Anderson, Ind.
Springer & Hargitt ("Single's," for Corliss Engines), Hamilton, Ohio
Strong Carlisle & Hammond Co. ("Strong" Automatic Gas or Steam), 336 Frankfort av, N W, Cleveland, O.

4330—Engine & Boiler Combined

Byers Machine Co. The, 242 Sycamore, Ravenna, O. *See adv index at end of book*
Davis-Watkins Dairymen's Mfg. Co., Dept. H, North Chicago, Ill.
Enterprise Co., Columbiana, O.
ERIE PUMP & ENGINE WORKS ("Erie" Side & Center Crank), 149 Glenwood. av, Medina, N. Y.
See adv index at end of book
Farquhar A. B. Co. (Ltd.), York, Pa.
Frick Co., Waynesboro, Pa.
Houston, Stanwood & Gamble Co., 3rd & Philadelphia, Cincinnati, O.
HUNT ROBERT W. & CO., 175 W Jackson blvd, Chicago, Ill.
See adv index at end of book
Lambert Hoisting Engine Co., 117 Poinier, Newark, N. J.
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.
Murray Iron Works Co. (Vertical), Burlington, Ia.
Orr & Sembower, Reading, Pa.
Peer Mfg. Co., Comstock, Mich.
Salem Iron Works, Salem, N. C.
Staten Island Shipbuilding Co., 3075H Richmond terrace, Mariners Harbor, Staten Island, N. Y.
Toomey Frank Inc. (Dealers), 127 N 3rd, Phila., Pa.

4331—Engine & Motor Parts

Acklin Stamping Co., 1659 Dorr, Toledo, Ohio
Bingham Stamping & Tool Co., Post & Albion, Toledo, Ohio
See adv index at end of book
Detroit Screw Works, 348 Franklin, Detroit, Mich.
Zeigler Mfg. Co., Alexandria, Ind.

4332—Engineering Schools & Colleges

ALABAMA.

TUSKEGEE—Tuskegee Normal & Industrial School

CALIFORNIA.

BERKELEY—University of California
OAKLAND—Polytechnic College of Engineering, 1310 Madison
PASADENA—Throop College of Technology
SAN FRANCISCO—Cogswell Polytechnical College (Vocational Training), 26th & Folsom
Heald's Engineering & Automobile School, 1101 Sutter
St. Ignatius University College
Stanford University Dept. of Engng.
SAN LOUIS OBISPO—California Polytechnic School
STANFORD UNIVERSITY—Leland Stanford Jr. University

CONNECTICUT.

NEW HAVEN—Yale University (Sheffield Scientific School)

DELAWARE.

NEWARK—Delaware College

DISTRICT OF COLUMBIA.

WASHINGTON—Catholic University School of Technological Sciences
Howard University, 6th & Howard pl.

GEORGIA.

ATLANTA—Georgia School of Technology

ILLINOIS.

CHICAGO—De Paul University, 1010 Webster
Lewis Institute
Loyola Univ. Engng. Dept.
EVANSTON—Northwestern University
PEORIA—Bradley Polytechnic Institute
URBANA—Univ. of Ill. (College of Engineering)

INDIANA.

ANGOLA—Tri-State College
LAFAYETTE—Purdue University
NOTRE DAME—University of Notre Dame
RICHMOND—Earlham College
TERRE HAUTE—Rose Polytechnic Institute
VALPARAISO—Valparaiso University

IOWA.

MOUNT VERNON—Cornell College

KENTUCKY.

LEXINGTON—University of Kentucky

LOUISIANA.

BATON ROUGE—Louisiana State Univ.
NEW ORLEANS—Tulane Univ. of La. College of Technology, St. Charles av

MARYLAND.

BALTIMORE—Baltimore Polytechnic Institute, North av, Calvert
John Hopkins Univ., Dept. of Engng., Homewood
NORTH TAKOMA—Bliss School of Electricity.

MASSACHUSETTS.

AMHERST—Mass. Agricultural College
BOSTON—Hawley School of Engng. Wentworth Inst.
CAMBRIDGE — Harvard Engineering School
Mass. Institute of Technology
EAST NORTHFIELD—Northfield Schools, Dept. H
WORCESTER—Worcester Polytechnic Institute, Boynton

MICHIGAN

ANN ARBOR—University of Michigan
DETROIT—University of Detroit Engng. Dept., 348 E Jefferson
HOUGHTON—Michigan College of Mines
LANSING—Michigal State Agricultural College, Engng. Dept.

MINNESOTA.

MINNEAPOLIS—University of Minnesota
ST. PAUL—Univ. of Minnesota (Division of Agricultural Engineering), University Farm

MISSOURI.

COLUMBIA—Univ. of Missouri School of Engng.
ROLLA—Missouri School of Mines and Metallurgy
ST. LOUIS — Washington University, Skinker & Lindell

MONTANA.

BOZEMAN—Montana State College
BUTTE—Montana State School of Mines

NEW HAMPSHIRE.

HANOVER—Dartmouth College (Prof. Robert Fletcher, Director)
Thayer School of Civil Engng.

NEW JERSEY.

HOBOKEN—Stevens Institute of Technology
NEWARK—Newark Technical School, 367 High st
NEW BRUNSWICK—Rutgers College
PRINCETON—Green (John C.) School of Science
Princeton University

NEW YORK.

ITHACA—Cornell University, Sibley College of Mech. Engng.

NEW YORK CITY.

Borough of Brooklyn

BROOKLYN—Heffley Ins., 243 Ryerson av
Polytechnic Institute, 85 Livingston
Pratt Institute of Science & Technology, 215 Ryerson

Boroughs of Manhattan and Bronx.

NEW YORK—Columbia University, W 116th nr Amsterdam av
Cooper Union, Cooper sq
Hebrew Tech. Inst., 34 Stuyvesant
Manhattan College, 242 & Spuyten Duyrel pky
New York Academy of Science, 77th & Central Pk. West
New York University, University Hts.

(End of New York City)

POTSDAM—Clarkson College of Technology
ROCHESTER—Rochester Athenaeum & Mechs. Inst.
SCHENECTADY—Union College

(Continued on following page)

Engineering Schools & Colleges—Continued

NEW YORK—Continued
SYRACUSE—Syracuse University
TROY—Rensselaer Polytechnic Institute

OHIO.

ADA—College of Engineering Ohio Northern Univ.
AKRON—Univ. of Akron
CINCINNATI—Ohio Mechanics Bus. Ofc., Canal & Walnut
University of Cincinnati, Tech. School, Burnet Woods pk
CLEVELAND—Case School of Applied Science, Euclid av, opp. Wade pl
COLUMBUS—Ohio State University
GRANVILLE—Denison University
GREENVILLE—Wayne Technical Inst.
TOLEDO—Toledo Univ. Indus. Science

OREGON.

CORVALLIS—Oregon State Agricultural College
EUGENE—Univ. of Oregon

PENNSYLVANIA.

CHESTER—Penna. Military College
EASTON—Lafayette College
GROVE CITY—Grove City College (Dept. of Mech. & C. E.)
HAVERFORD—Haverford College
LANCASTER—Bowman Technical School
LEWISBURG—Bucknell University (Dept. of C. E.)
MEADVILLE—Allegheny College
PHILADELPHIA — Drexel Institute of Art, Science & Industry, Chestnut & S 32d
Temple Univ., 18 & Buttnwd
University of Pa., S 34th c Woodland av
PITTSBURGH—Carnegie Institute of Technology, Schenely Pk
University of Pittsburgh, Grant blvd & Parkman
STATE COLLEGE—Penna. State College
SWARTHMORE—Swarthmore College
VILLANOVA—Villanova Coll. of Technology

RHODE ISLAND.

PROVIDENCE—Brown University, Prospect

SOUTH DAKOTA.

BROOKINGS—So. Dakota State College
RAPID CITY—State College of Mines

TENNESSEE.

KNOXVILLE—University of Tennessee, Y. M. C. A. of T. Campus
NASHVILLE—Vanderbilt University
SEWANEE—University of the South

VERMONT.

BURLINGTON—University of Vermont & State Agricultural College

WASHINGTON.

PULLMAN—State College of Washington, College of Mechanical Arts & Engng.
SEATTLE—University of Washington, Dept. of Elec. Engng.

WISCONSIN.

MADISON—University of Wisconsin, College of Mechanics & Engg.
MILWAUKEE—Marquette Univ. Coll. Applied Science & Engng.

4333—Engineering & Surveying Instruments

Acme Blue Print Paper Co., Adams Express bldg, Chicago, Ill.
Ainsworth Wm. & Sons, Denver, Colo.
Allen-Ivan-Marshall Co. (Jobbers), 44 Marietta, Atlanta, Ga.
Aloe A. S. Co., 513 Olive, St. Louis, Mo.
Anderson Supply Co., Seattle, Wash.
Bausch & Lomb Optical Co. (Contour Measuring Projector Condensers for Motion Picture Projectors), 673 St. Paul, Rochester, N. Y.
Beckman L. Co., 1003 Jackson, Toledo, O.
Berger C. L. & Sons, 45 Williams, Boston, Mass.
Brandis & Sons Mfg. Co., 754 Lexington W., Brooklyn, N. Y.
Buff & Buff Mfg. Co., 98 Green, Jamaica Plain, Boston, Mass.
Chicago Steel Tape Co. (Rod Ribbons for Leveling Rods, Marking Pins of Arrows & Lining or Transit Poles), 6231 Cottage Grove av, Chicago, Ill.
Cleveland Metal Stamping Co., Cleveland, O.
Cole H. Co., 68 E Gay, Columbus, O.
Computer Mfg. Co., 340H Sansome, San Francisco, Cal.
Crofoot Nellsen & Co., 172 W Washington, Chicago, Ill.
Dietzgen Eugene Co., 166 W Monroe, Chicago, Ill.
Dodd Co., 652 Heuron, Cleveland, O.
Elliott B. K. Co., 126 6th, Pittsburgh, Pa.
Fink Instrument Co., 804 Pine, St. Louis, Mo.
Frost & Adams Co., 25-29 Arch, Boston, Mass.
Geier & Bluhm, Troy, N. Y.
Gurley W. & L. E., Troy, N. Y.
HELLER & BRIGHTLY, Dept. H, 1122 Spring Garden, Phila., Pa.
Keuffel & Esser Co., Hoboken, N. J.
Kolesch & Co., 138 Fulton, New York
Lallie Surveying Instruments & Supply Co., 719 18th, Denver, Colo.
Ledder & Probst, 21 Pearl, Boston, Mass.
LEUPOLD VOELPEL & CO., 107 E 70th, N, Portland, Ore.
See adv index at end of book
Lietz A. Co., 61 Post, San Francisco, Cal.
Lowman & Hanford Co. (Dealers), Seattle, Wash.
Makepeace B. L., 387 Washington, Boston, Mass.
New York Blue Print Paper Co., 96-102 Reade, New York
PEASE C. F. CO., 320 N Franklin, Chicago, Ill. *See adv index at end of book*
Pennsylvania Instrument Co., 616-618 Chestnut, Phila., Pa.

Pennsylvania Instrument Company
MANUFACTURERS OF
Engineering and Surveying Instruments
Machinists' Levels
Repairing of All Makes and Special Production Work
616-618 Chestnut St. Philadelphia, Pa.

Pfister Wm. H., 230 W 4th, Cincinnati, O.
Pittsburgh Instrument & Mach Co., 236 3rd, av, Pittsburgh, Pa.
Post Frederick Co. (Post's "Standard American"), 319 S Wabash av, Chicago, Ill.
Prince L. M. Co., 108 W 4th, Cincinnati, O.
Queen-Gray Co., 64H W Johnson, Phila., Pa.
Randolph T. F. Co., 238 E 5th, Cincinnati, O.
Seelig R. & Son (Mfrs.), 231 N 5th av, Chicago, Ill.
Stevenson & Foster Co. (Dirs), 947 Liberty av, Pittsburgh, Pa.
Ulmer J. C. Co., E 38th & Kelly, Cleveland, O.
United States Blue Print Paper Co., 327 S La Salle, Chicago, Ill.
Warren-Knight Co. ("Sterling"), 136 N 12th, Phila., Pa.
Weber F Co., 1220 Buttonwood, Phila., Pa.
Weiss Instrument Co., Club bldg, Denver, Colo.
White David Co. Inc., 901 Chestnut, Milwaukee, Wis.
Williams, Brown & Earle, 918 Chestnut, Phila., Pa.
Wissler Instrument Co. (Civil), 613 N B'way, St. Louis, Mo.
Young & Sons (Mfrs.), 43 N 7th, Phila., Pa.

4334—Engineers (Architectural & Structural Consulting)

Adams, Wm. H., 504 Huffman bldg., Detroit, Mich.
Adler Alphonse A., 9 Murray, New York
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Byllesby Engng. & Management Corp., 208 S La Salle, Chicago, Ill.
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Fergusen J. B. & Co., 43 N Jonathan, Hagerstown, Md.
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Fleisher W. L. & Co., Inc., 31 Union sq, New York
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Ford Bacon & Davis, Inc., 115 B'way, New York
Freeland Roberts & Co., Independent Life bldg, Nashville, Tenn.
Freyn Brassert & Co., 310 S Michigan av, Chicago, Ill.
Gilmore A. L. (Structural), Binghamton, N. Y.
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Green Samuel M. Co., Springfield, Mass.
Guarantee Engng & Mach Co., 1001H N Main, Los Angeles, Cal.
Hansen A. E. (Water Supply & Purification Trade & Industrial Wastes Treatment Sewage Disposal), 116 W 39th, New York
Hill, Geo., 51 E 42nd, New York
Hoag D. F. & Co. (Designing & Construction), Com. Exchange bldg, Minneapolis, Minn.
Honolulu Iron Works Co., 233 Broadway, New York
Hughes-Foulkrod Co., 421 7th av, Pittsburgh, Pa.
Hullsick K. L. Co., Flat Iron bldg, Norfolk, Va.
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Kingston John P. & Son, 619 Park bldg., Worcester, Mass.
Klauder T. Louis, 901 Penna bldg, Philadelphia, Pa.
Koch John P., Arrington bldg, Rocky Mount, N. C.
Lakeside Bridge & Steel Co. (Designers and Erectors), 402 Villard av, N Milwaukee, Wis.
Lane Davenport & Peterson, Charlevoix bldg, Detroit, Mich.
Laughlin Alex & Co., Pittsburgh, Pa.
Lehigh Structural Steel Co., ft. of Allen, Allentown, Pa.
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Long M. A. Co., Munsey bldg, Baltimore, Md.
Lowinson Oscar, 175 5th av, New York
Lucius Engineering Co. (Designers & Erectors), Hartje bldg, Pittsburgh, Pa.
Lund, Jas. B., 19 S La Salle, Chicago, Ill.
Lundbery & Mahon, 383 Provident bldg, Tacoma, Wash.
Luten Daniel B. (Designing of Reinforced Concrete Bridges), 1056 Lemcke bldg, Indianapolis, Ind.
MARYLAND METAL BUILDING CO. (Metal Buildings for Industrial Plants Only), McComas & Race, Baltimore, Md.
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Modjeski Ralph (Designing, Inspection & Construction of Bridges, Viaducts, Trestles, etc). 28 E Jackson, Chicago, Ill.
Moody Engng. & Construction Co., 90 West, New York
Morse Edwin K., 316 Fourth av, Pittsburgh, Pa.
Murrie & Co., Inc., 52 B'way, New York
Newlands Sanitary Laboratory (For Water Filtration & Sewage Disposal), 111 Laurel, Hartford, Conn.
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Osborn Engineering Co., 7016 Euclid av, Cleveland, O.
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Pearson Frederick, 25 E Washington, Chicago, Ill.
Perin C. P. & Marshall S. M., 40 W 40th, New York
PITTSBURGH-DES MOINES STEEL CO., 304 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Process Engineers, Ltd., 501 Fifth av, New York
Purdy & Henderson, 45 E 17th, New York & 106 S Michigan av, Chicago, Ill.
Ramp Buildings Corp., 21 E 40th, New York
Rasmussen-Grace Co., Inc., Chamber of Commerce bldg, Portland, Ore.
Richardson & Gay, 220 Devonshire, Boston, Mass.
Roberts C. B. Engng. Co. (Consulting), 19 Milk, Boston, Mass.
Roberts Frank C. & Co., Real Estate Trust bldg, Phila., Pa.
Robinson Dwight P. & Co., Inc., 125 E 46th, New York
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Rosener Leland S., Insurance Exchange bldg, San Francisco, Cal.
Runyon & Carey, 845H Broad, Newark, N. J.
Russel Wheel & Foundry Co. (Structural Consulting), Chene Bl, R.R., Detroit, Mich.
Scherzer Rolling Lift Bridge Co., Monadnock block, Chicago, Ill.
Scofield Engng. Co., Comm'l Tr. bldg., Phila., Pa.
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Stone & Webster, Inc., 147 Milk, Boston, Mass.
Thompson & Binger, 103 Parker, New York
Tucker Edward A. Co., 101 Milk, Boston, Mass.
Tunstall Johnson Co., Citizens Bank bldg, Norfolk, Va.
Union Iron Works of Los Angeles, Inc., 5135 Santa Fe, Los Angeles, Cal.
Vance S. N., New Monroe bldg, Norfolk, Va.
Viele Blackwell & Buck, 49 Wall, New York
Vonnegut, Bohn & Mueller, 610 Indiana Trust bldg, Indianapolis, Ind.
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Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.
Whitley Frederick N., Inc., 215 Fulton, New York
Wilkins W. G. Co., Westinghouse bldg, Pittsburgh, Pa.
Wright Percy E. Engng. Co., L. C. Smith bldg, Seattle, Wash.

4334a—*Engineers (Baseball Parks)

Osborn Engineering Co. The, 7016 Euclid av, Cleveland, Ohio

4335—Engineers (Cement Plants)

MacDonald Engineering Co., 53 W Jackson blvd, Chicago, Ill.
Osborn Engineering Co., 7016 Euclid av, Cleveland, Ohio
Roe Walter H., Spayth block, Tiffin, Ohio
Smidth F. L. & Co., 50 Church, New York
Spackman Henry S., 2024 Arch, Philadelphia, Pa.

4336— Engineers (Chemical)

See also Laboratories, Testing
Booth, Garrett & Blair, 404 Locust, Phila., Pa.
Burgess C. F. Laboratories, Madison, Wis.
Burgess & Long, Columbus Savings & Trust bldg, Columbus, O.
Deavitt H. M., 209 La Salle, Chicago, Ill.
Dow & Smith (Consulting), 133 E 23rd, New York
Electro-Chemical Supply & Engn. Co., 20 S 15th, Phila, Pa.
Fleisher W. L. & Co., Inc., 31 Union sq. New York
Flood Walter H., 22 Quincy av, Chicago, Ill.
Freyn Brassert & Co., 310 S Michigan av, Chicago
Garrigue Wm. & Co., 45th & Western, Chicago, Ill.
Gould & Ash, 216 Pine, San Francisco, Cal.
Green Samuel M. Co., Springfield, Mass.
Hamlin & Morrison, 119 S. 4th, Phila., Pa.
Industrial Testing Laboratory, 1306 S Los Angeles, Los Angeles, Cal.
Kansas City Testing Laboratory, 700 Baltimore, Kansas City, Mo.
Laucks I. F. Inc., 99H Marion, Seattle Wash.
Little Arthur D., Inc., 30 Charles River, Boston, Mass.
LUEHRS CO. (THE), 118 St. Clair av, N E, Cleveland, Ohio
See adv index at end of book
Maas A. R. Chemical Co., 303 E 8th, Los Angeles, Cal.
Meade Richard K. & Co., 11 E Fayette, Baltimore, Md.
Moore Engineeering Co., Hagerstown, Md.
Northwest Testing Lab., 114 Marion, Seattle, Wash.
Northwestern Testing Laboratory, 2113 3rd av, Seattle, Wash.
Oakland Copper & Brass Works, Dept H, 7th & Kirkham, Oakland, Cal.
Osborne Raymond G., Marsh-Strong bldg, Los Angeles, Cal.
Pacific Chemical Laboratories, 417 Montgomery, San Francisco, Cal.
Pacific Copper & Brass Works, Inc., 1915 E 7th, Los Angeles, Cal.
Pike Robt. D. & West Geo. H., Call bldg, San Francisco, Cal.
Pittsburgh Testing Laboratory, 7th av & Bedford, Pittsburgh, Pa.
Freeland & Klyce Engineering Co., 65 Life Phila., Pa.
Ricketts & Co., 280 Madison av, New York
Sadtler Sam'l P. & Son, 210 S 13th, Phila., Pa.
Schmatolla Ernst, 150 Nassau, New York
Sherman Herbert L., 276 Stewart, Boston, Mass.
Smith, Emery & Co., 651 Howard, San Francisco, Cal.
Sauther Henry Engng. Corp., 111 Laurel, Hartford, Conn.
Spackman Henry S., 2024 Arch, Philadelphia, Pa.
Staddon Donald R. & Co., 104-106 John, New York
Wiedemann H. E., Chemical bldg, St. Louis, Mo.
Wrana King & Co., Inc., 605 E 3rd, Los Angeles, Cal.

4337— Engineers (Civil)

Alvord, Burdick & Howson (Consulting), S Dearborn, Chicago, Ill.
Arnold Co., 105 S La Salle, Chicago, Ill.
Bates & Rogers Construction Co., 37 W Van Buren, Chicago, Ill.
Black McKenney & Stewart, 1653 Pennsylvania av, Washington, D. C.
Caton Wm. & Son, Arcade bldg, Terre Haute, Ind.
Dessery Floyd G. (Hydraulic), Central bldg, Los Angeles, Cal.
Engineering Service Co., 1316 Washington blvd, Los Angeles, Cal.
Ferguson J. B. & Co. (Consulting), Hagerstown, Md.
Freeland Roberts & Co., Independent Life bldg, Nashville, Tenn.
Freyn Brassert & Co., 310 S Michigan av, Chicago, Ill.
Grunsky C. E. Co., 57 Post, San Francisco, Cal.
Hawley Chas. B. & Co., P. O. Box 313, Clarion, Pa.
Keith Herbert Co. (Consulting), 13 Park Row, New York
Koerner Robert A., 4 Star bldg., Terre Haute, Ind.
Klyce B. H., 720 4th & 1st National Bank bldg, Nashville, Tenn.
LEDOUX J. W. (Water Supply, Water Power, Power Plants), 112 N Broad, Phila., Pa.
Osborn Engineering Co., 7016 Euclid av Cleveland, O.
Parker, Bateman & Chase, Clinton, Mass.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
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Stone & Webster, Inc., 147 Milk, Boston Mass.
Wright Percy E. Engng. Co., L. C. Smith bldg, Seattle, Wash.

4338— Engineers (Combustion)

Anthony Co., 138 West av, Long Island City, N. Y.
Burke Engineering Co. (Consulting), 49 Westminster, Providence, R. I.
Chicago Incinerator Co., 320 E N Water, Chicago, Ill.
Combustion Utilities Corp., 8-10 Bridge, New York
Ferguson J. B. & Co., 43 N Jonathan, Hagerstown, Md.
Freyn Brassert & Co., 310 S Michigan av, Chicago, Ill.
Hagan Geo. J. Co., Peoples Bank bldg, Pittsburgh, Pa.
Murrie & Co., Inc., 52 B'way, New York
Roberts C. B. Engng. Co., 19 Milk, Boston, Mass.
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Schmatolla Ernst, 150 Nassau, New York
Surface Combustion Co. The, 334 Gerard av, Bronx, New York
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Clinton Bridge Works, Clinton, Ia.
Combustion Utilities Corp., 8-10 Bridge, New York
Eadie Freund & Campbell, 7 W 45th, New York
Ford Bacon & Davis, Inc., 115 B'way, New York
GLOBE MARINE ENGINE CO., 15 Whitehall, New York
Honolulu Iron Works Co., 233 Broadway, New York
LUEHRS CO. (THE), 118 St. Clair av, N E, Cleveland, Ohio
See adv index at end of book
Murrie & Co., Inc., 52 B'way, New York
Roe Walter H., Spayth block, Tiffin, Ohio.
Stone & Webster, Inc., 147 Milk, Boston, Mass.
Surface Combustion Co. The, 334 Gerard av, Bronx, New York
See adv index at end of book
Wehr & Walden (Designing), 100H W Fayette, Baltimore, Md.

4339— Engineers (Efficiency)

Arnold Co., 105 S La Salle, Chicago, Ill.
Day & Zimmermann, Inc. (Management & Valuation), 168 Walnut, Phila, Pa.
Emerson Engng. Co., 30 Church, New York
Estes L. V., Inc., 202 S State, Chicago, Ill.
Gallagher Chas. F. & Stoff, Phelan bldg, San Francisco, Cal.
Green Samuel M. Co., Springfield, Mass.
Hickman Chas. D., H Bellevue Court bldg, Philadelphia, Pa.
Jaquith Machinery Bureau, Inc., 110 High Boston, Mass.
Main Chas. T., 201H Devonshire, Boston, Mass.
Morrison Jos. E. Co., Penobscot bldg, Detroit, Mich.
Osborn Engineering Co., The, 7016 Euclid av, Cleveland, O.
Roe Walter H., Spayth block, Tiffin, Ohio
Schuttler H. Carl, 731H Spitzer bldg, Toledo, Ohio
Surface Combustion Co. The, 334 Gerard av, Bronx, New York
See adv index at end of book

4339a—*Engineers (Grand Stand)

Osborn Engineering Co. The, 7016 Euclid av, Cleveland, Ohio

4339b—Engineers (Industrial)

Abbott Merkt & Co., Inc., 175 5th av, New York
Adler Alphonse A., 9 Murray, New York
Appraisal Engng. Co., 29 B'way, New York
Arnold Co., 105 S La Salle, Chicago, Ill.
Brossman Chas. (Power & Utility Plant), Merchants Bank bldg., Indianapolis, Ind.
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Eadie, Freund & Campbell, 7 W 45th, New York
Ferguson H. K. Co., 6523H Euclid av, Cleveland, Ohio.
Gallagher Chas. F. & Staff, Phelan bldg, San Francisco, Cal.
Guarantee Construction Co., 92 West, New York
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Harris Grenville A. (Consulters for Export) 15 Park Row, New York
Harrisburg Mfg. & Boiler Co., 15 Park Row, New York
Hickman Chas. D., H Bellevue Court bldg, Philadelphia, Pa.
Honolulu Iron Works Co., 233 Broadway, New York
Luehrs Co. (The), 118 St. Clair av, N E, Cleveland, Ohio
See adv index at end of book
Manufactures Consulting Engineers, McCarthy bldg, Syracuse, N. Y.
Moore W. E. & Co., Union bldg, Pittsburgh, Pa.
Murrie & Co., Inc., 52 B'way, New York
Roe Walter H., Spayth block, Tiffin, Ohio

(Continued on following page)

Engineers (Industrial)—Continued

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Stone & Webster, Inc., 147 Milk, Boston, Mass.
Thompson-Starrett Co., 51 Wall, New York
Walter Co., 3953 Castello av, Chicago, Ill.
Wehr & Walden, 100H W Fayette, Baltimore, Md.

4340—Engineers (Inspecting & Testing)

See also Laboratories, Testing

Allentown Testing Laboratory, 373 Linden, Allentown, Pa.
American Bureau of Inspections & Tests, Monadnock blk, Chicago, Ill.
Arnold Co., 105 S. La Salle, Chicago, Ill.
Combustion Utilities Corp., 3-10 Bridge, New York
Conrad & Buzby, 322 High, Burlington, N. J.
Electrical Testing Laboratories, 80th & East End av, New York
Fassett C. M. Co., N 209 Wall, Spokane, Wash.
Green Samuel M. Co., Springfield, Mass.
Gulick-Henderson Co., 145 W 36th, New York
Hildreth & Co. (Consulting, etc.), 15 Broad, New York
HUNT ROBERT W. CO., 175 W. Jackson blvd, Chicago, Ill.
See adv index at end of book
Industrial Testing Laboratory, 1306 S Los Angeles, Los Angeles, Cal.
Laucks I. F., Inc., 99 Marion, Seattle, Wash.
Lowell Alfred (Consulting, etc.), 619 Harrison bldg, Philadelphia, Pa.
Modjeski & Angier, 28 E Jackson, Chicago, Ill.
Murrie & Co., Inc., 52 B'way, New York
Osborne Raymond G., Marsh-Strong bldg, Los Angeles, Cal.
Pittsburgh Testing Laboratory, 7th av and Bedford, Pittsburgh, Pa.
Roe Walter H., Spayth block, Tiffin, Ohio
Shoemaker F. A. (Consulting, etc.), 648 Wyoming av, Buffalo, N. Y.
Smith, Emery & Co., 651 Howard, San Francisco, Cal.
Surface Combustion Co. The, 334 Gerard av, Bronx, New York
See adv index at end of book

Engineers (Marine)

See Architects, Naval

4341— Engineers (Mechanical)

Arnold Co., 105 S La Salle, Chicago, Ill.
Atkins Chas. G., Monadnock bldg, Chicago, Ill.
Batavia Service Corp., 29H B'way, New York
Berg C. P. & Co. (Consulting), 10 S La Salle, Chicago, Ill.
Berks Engineering Co., Reading, Pa.
Berry Machy. & Supply Co., 289 W Santa Clara av, San Jose, Cal.
Bilyen Thos (Consulting), Stevens bldg, Portland, Ore.
Carver Fred S., 8 W 40th, New York
Chandler Construction Co., 31 State, Boston, Mass.
Clark Dust Collecting Co. (Dust Collecting), Fisher bldg, Chicago, Ill.
Clyne R. G. Engng. Co., 625 Locust, St. Louis, Mo.
Combustion Engng. Corp., 43 Broad, New York
Daly M. J. & Sons, Inc. (& Contracting), 555H Bank, Waterbury, Conn.
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Duff Samuel E., Empire bldg, Pittsburgh, Pa.
Eadie, Freund & Campbell, 7 W 45th, New York
Eisler Chas., 15 Kirk pl, Newark, N. J.
Engineering Service Co., 1316 Washington blvd, Los Angeles, Cal.
Federal Engineering Co., H Drexel bldg, Philadelphia, Pa.
Ferguson J. B. & Co. (Consulting), Hagerstown, Md.
Freeland Roberts & Co., Independent Life bldg, Nashville, Tenn.
Freyn Brassert & Co., 310 S Michigan av, Chicago, Ill.
Graff Engineering Corp., 150 Nassau, New York
Greene Samuel M. Co., Springfield, Mass.
GRISCOM-RUSSELL CO. (Consulting & Contracting), 92 West, New York, & Massillon, O. *See adv index at end of book*
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Hahn Co., Perryman, Md.
Hanson Clutch & Machinery Co., Tiffin, O.
Hickman Chas. D., H Bellevue Court bldg, Philadelphia, Pa.
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King R. D., 51 W Jackson, Chicago, Ill.
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Meyer Geo. J. Mfg. Co., 598 Clinton, Milwaukee, Wis.
Moody Engng. & Construction Co., 90 West, New York
Neiler Rich & Co., Manhattan bldg, Chicago, Ill.
Northern Blower Co. (The), Denison & W 65th, Cleveland, Ohio
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Osborn Engineering Co. The, 7016 Euclid av, Cleveland, Ohio
Phillips Chas. T., 550 Montgomery, San Francisco, Cal.
Price Bros., Frederick, Md.
Randolph-Perkins Co., First Nat. Bank bldg, Chicago, Ill.
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Ruggles Horace F., 80 South, New York
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Sargent & Landy, 72 W Adams, Chicago, Ill.
Schuttler H. Carl, 731H Spitzer bldg, Toledo, Ohio
Souther Henry Engng. Corp. (Consulting), 111 Laurel, Hartford, Conn.
Stierlin Machine & Die Works, 625 W Jackson blvd, Chicago, Ill.
Stone & Webster, Inc., 147 Milk, Boston, Mass.
Twin-O-Matic Machine & Tool Co., Inc., 160 John, Brooklyn, N. Y.
Union Tank & Pipe Co., 2801H Santa Fe av, Los Angeles, Cal.
Van Horne J. R., 509 Monadnock bldg, Chicago, Ill.
Vaughn Machinery Co. (Wire, Rubber & Fire-Weld Chain Equipment), Cuyahoga Falls, O.
Watson Engineering Co., 4614H Prospect, Cleveland, Ohio
White J. G. Engineering Corp., 43 Exch pl, New York
Wright, Percy E. Engng. Co., L. C. Smith bldg, Seattle, Wash.

4342—Engineers (Metallurgical & Mining)

Allen & Garcia Co. (Coal Mining), 21 E Van Buren, Chicago, Ill.
Amsler-Morton Co., Fulton bldg, Pittsburgh, Pa.
Banks John H. & Sons, 26 John, New York
Bierbaum-Dollar, Mutual Life bldg, Buffalo, N. Y.
Brodie, Walter M., 154 Nassau, New York.
Constant C. L. Co., (Consulting), 220 Broadway, New York
Detroit Testing Laboratory, 3726 Woodward, Detroit, Mich.
Dwight & Lloyd Metallurgical Co., 29 B'way, New York
Ellis Frank I., Farmers Bank bldg, Pittsburgh, Pa.
Engineering Service Co., 1316 Washington blvd, Los Angeles, Cal.
Falkenburg & Co., 116 Yesler Way, Seattle, Wash.
Freyn Brassert & Co., 310 S Michigan av, Chicago, Ill.
Fuller Engng. Co., Fullerton, Pa.
Gibson Walter L., 824 Washington, Oakland, Cal.
Hanson Henry, 85 2nd, San Francisco, Cal.
Harris Engineering Co. (Mining), Haas bldg, Los Angeles, Cal.
Hollis H. L., 80 E Jackson, Chicago, Ill.
Indiana Laboratories Co., Inc., Hammond, Ind.
Industrial Furnace Corp., 10 Post Office sq, Boston, Mass.
Knox & Allen (Consulting), 160 B'way, New York
Laucks F. I., Inc., 99 Marion, Seattle, Wash.
Murrie & Co., Inc., 52 B'way, New York
Natural Resource Engineering Co., 320 Balboa bldg, San Francisco, Cal.
Oliver Edwin L., 503 Market, San Francisco, Cal.
Packard Geo. A., 50 Congress, Boston, Mass.
Randolph-Perkins Co., First Nat Bank bldg, Chicago, Ill.
Ricketts & Co., 80 Wash., New York
St. Louis Sampling & Testing Works, 713 Clark av, St. Louis, Mo.
Sauveur & Boylston (Metallurgy of Iron & Steel), Cambridge, Mass.
Schmatolla Ernst, 150 Nassau, New York
Sintering Machy Corp., Netcong, N. J.
Southwestern Engineering Co. (Mining), 606 S Hill, Los Angeles, Cal.
Tropenas Converter Co. (Consulting), 2243 Nostrand av, Brooklyn, N. Y.
Twin-O-Matic Machine & Tool Co., Inc., 160 John, Brooklyn, N. Y.
Vandercook A. E. Engineering Co., 621 California, Sacramento, Cal.
Zimmerman Process Syndicate, 221 E 28th N, Portland, Ore.

4343— Engineers (Mill)

See also Architects & Engineers for Paper Mills

Adler Alphonse A., 9 Murray, New York
Ballinger Co., S. E. cor 13th & Chestnut Philadelphia, Pa.
Baxter A. E. Engineering & Appraisal Co. (Flour & Cereal Mill Const.), Ell. sq, Buffalo, N. Y.
Biberstein R. C., 1614 Elizabeth av, Charlotte, N. C.
Bolander L. Ph. & Son (Planing Mill), 954 Bryant, San Francisco, Cal.
Brabant Gifford, 2717 N Kedzie av, Chicago, Ill.
Burdick M. S., 60 Tehama, San Francisco, Cal.
Carey James L., 208 N Laramie av, Chicago, Ill.
Chapman, C. A., 11 S Clinton, Chicago, Ill.
Chase, Frank D., Inc., 720 N. Michigan av, Chicago, Ill.
Clark Earl S. & Co., Turks Head bldg, Providence, R. I.
Coolidge Roger E., Southbridge, Mass.
Davidson & Kennedy (Cotton Seed & Vegetable Oil), 872 N Ashley, Atlanta, Ga.
Duebel Chas. & Co., 316 First, San Francisco, Cal.
Duff Samuel E., Empire bldg, Pittsburgh, Pa.
Dyer W. E. S., Land Title bldg, Phila., Pa.
Ferguson H. K. Co., 6525H Euclid av, Cleveland, Ohio
Ferguson Hardy S. (Consulting), 200 5th Ave., New York.
Fleisher W. L. & Co., Inc., 31 Union sq, New York
Fletcher Thompson, Inc., Bridgeport, Conn.
Freyn Brassert & Co., 310 S Michigan av, Chicago, Ill.
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Furman-Fisher Corp., 33 Church, New York
Graff Engineering Corp., 150 Nassau, New York
Gray Arthur F., 509 Exchange bldg, Boston, Mass.
Green Samuel M. Co., Springfield, Mass.
Griffin Chas., 21 Arch, Lowell, Mass.
Gump B. F. Co. (Flour), 431H S Clinton, Chicago, Ill.
Hardy Geo. F. (Paper Mills, etc), 309 B'way, New York
Honolulu Iron Works Co. (Sugar), 233 Broadway, New York
Hunt Rodney Mach. Co., Orange, Mass.
Hutchens Edward (Rubber), 866 Superior, Milwaukee, Wis.
Jones E. D. & Sons Co., Pittsfield, Mass.
Kelvin Engng. Co. (Sugar), 106 Front, New York
Kidde Walter & Co., 140 Cedar, New York
Kimball F. J. Co., 1860 E 15th, Los Angeles, Cal.
Kimball Herbert S. (Rubber & Paper Mills, etc.), 177 State, Boston, Mass.
Lane H. M. Co. (Consulting), Owen bldg, Detroit, Mich.
Lockwood, Greene & Co., 60 Federal, Boston, Mass.
McKain Mfg. Co., 919 N Main, Los Angeles, Cal.
MacDonald Engineering Co. (Construction), 53 W Jackson blvd, Chicago, Ill.
Main Chas. T., 201 Devonshire, Boston, Mass.
Makepeace, C. R. & Co., 1031H Trust bldg, Providence, R. I.
Meade Richard E. & Co., 11 E Fayette, Baltimore, Md.
Moore W. E. & Co., Union bldg, Pittsburgh, Pa.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Osborn Engineering Co. The, 7016 Euclid av, Cleveland, Ohio
Potter Alexander, 50 Church, New York
Praray Chas. W., Times bldg., New Bedford, Mass.
Randolph-Perkins Co. (Construction), H First Nat Bank bldg, Chicago, Ill.
Rasmussen-Grace Co., Inc., Chamber of Commerce bldg, Portland, Ore.
Richmond Knight Co., 526 Grsvnr bldg, Providence, R. I.
Reidpath Robert J. & Son, Builders Exch., Buffalo, N. Y.
Roberts C. B. Engng. Co., 19 Milk, Boston, Mass.
Robinson Dwight P. & Co., Inc., 125 E 46th, New York
Roe Walter H, Spayth block, Tiffin, Ohio
Rosener Leland S., Insurance Exchange bldg, San Francisco, Cal.
Ruggles Horace F. (Sugar), 80 South, New York
Sadtler P. B. (Paper & Pulp), 53 W Jackson blvd, Chicago, Ill.
San Francisco Mill Furnishing Co., 521 7th, San Francisco, Cal.
Sawyer Edw. G. Co., 12 Providence court, Boston, Mass.
Simons Y. D., 39 S La Salle, Chicago, Ill.
Sirrine J. E. Greenville, S. C.
Skelton Joseph L. Engineering Co., Front, Toledo, Ohio
Spackman Henry S., 3024 Arch, Philadelphia, Pa.
Spaulding Horace R., 393 Folsom, San Francisco, Cal.
Stebbins W. L. (Consulting), Monadnock blk, Chicago, Ill.
Stebbins Engineering & Mfg. Co., Watertown, N. Y.
Sutton-Abramsen Engineering Co. (High Grade Steel Mills), 1309 Park bldg, Pittsburgh, Pa.
Taylor-Wilson Mfg. Co., Dept H., McKees Rocks, Pa.
Tomlinee Thos. L. (Consulting), Watertown, N. Y.

Wallace Jos. H. & Co 5 Beekman, New York
Whipple Eugene B., 17 Exchange, Providence, R. I.
White J. G. Engineering Corp., 43 Exch pl, New York
Willard Machine Co., Covington, Ky.
Wilson Geo. B. Co., 308 E 3d, Los Angeles, Cal.
Wright Percy E. Engng. Co., L. C. Smith bldg, Seattle, Wash.
Ziroli O. C. S., 211 State, Bridgeport, Conn.

4344—Engineers (Modernizing)

American Rotary Pump Co. (Power Transmission), 404 Old Colony av, Boston, Mass.
Bierbaum-Dollar, Inc., Mutual Life bldg, Buffalo, N. Y.
Day & Zimmermann (Of Power & Manufacturing Plants), 611 Chestnut, Phila., Pa.
Freyn Brassert & Co., 310 S. Michigan av, Chicago, Ill.
Honolulu Iron Works Co., 233 Broadway, New York
Knowles Morris, Oliver bldg, Pittsburgh, Pa.
LUEHRS CO. (THE), 118 St. Clair av, N E, Cleveland, Ohio
See adv index at end of book
Roe Walter H., Spayth block, Tiffin, Ohio

4344a—*Engineers (Petroleum)

GLOBE MARINE ENGINE CO., 15 Whitehall, New York

4345—Engineers (Power Plant)

Adler Alphonse A., 9 Murray, New York
Arnold Co., 105 S La Salle, Chicago, Ill.
Byllesby Engng. & Management Corp., 208 S La Salle, Chicago, Ill.
Combustion Engng. Corp., 43 Broad, New York
Daly M. J. & Sons, Inc. (Power Plants, Heating & Ventilating), 555H Bank, Waterbury, Conn.
Day & Zimmerman Inc., 611 Chestnut, Philadelphia, Pa.
Freyn Brassert & Co., 310 S Michigan av, Chicago, Ill.
Graff Engineering Corp., 150 Nassau, New York
Hickman Chas. D., H Bellevue Court bldg, Philadelphia, Pa.
Honolulu Iron Works Co., 233 Broadway, New York
Hunt Mirk & Co., Inc., 141 2nd, San Francisco, Cal.
Murrie & Co., Inc., 52 B'way, New York
Phillips Chas. T., 550 Montgomery, San Francisco, Cal.
Randolph-Perkins Co. (Pumping), First Nat Bank bldg, Chicago, Ill.
Robinson Dwight P. & Co., 125 E 46th, New York.
Roe Walter H. Spayth block, Tiffin, Ohio
Rust Engineering Co., 504H Dist. National Bank bldg, Washington, D. C.
Sargent & Lundy, 72 W Adams, Chicago, Ill.
Standard Engineering Co., 2129 Eye, N W, Washington, D. C.
Stone & Webster Engineering Corp., 147 Milk, Boston, Mass.
White J. G. Engineering Corp., 43H Exchange pl, New York.

4345a—Engineers (Production)

Emerson Engng. Co., 30 Church, New York
Manufacturers Consulting Engineers, McCarthy bldg, Syracuse, N. Y.
Roe Walter H., Spayth block, Tiffin, Ohio
Schuttler H. Carl, 731H Spitzer bldg, Toledo, Ohio

4346—Engineers (Refrigeration)

ARMSTRONG MACHINERY CO., E 3201 Riverside av, Spokane, Wash.
See adv index at end of book
AUDIFFREN REFRIGERATING MACHINE CO., 2211 West St. bldg, New York *See adv index at end of book*
Bantz Engineering Corp., 90 West, New York
California Refrigerator Co., 2615 Short, Oakland, Cal.
Comstock C. B., 110 W 40th, New York
Dinsmore Wm. & Co., 912 Post, Seattle, Wash.
Dry Zero Insulation Co., Balfour bldg, San Francisco, Cal.
Edwards Ice Machine & Supply Co., 3622 E Marginal Way, Seattle, Wash.
Faget Engng. Co., 410 Beach, San Francisco, Cal.
Fryer D. E. & Co., Lbr. Exch. bldg, Seattle, Wash.
Gay Engineering Corp., 2650 Sante Fe av, Los Angeles, Cal.
Greenwood Const. & Supply Co., 47H Terminal way, Pittsburgh, Pa.
Hastings Industrial Co., 326 W Madison Chicago, Ill.
Hettinger C. F. & Co., Boston, Mass.
Jarvis Engineering Co., 261 Franklin, Boston, Mass.
Johns-Manville Inc., Madison av and 41st, New York.
Lipman Refrigerator Car & Mfg. Co., Beloit, Wis.
Lapham John G. Engineering Co., 30 Church, New York
Ludlow Jas. T., 460 Montgomery, San Francisco, Cal.
McInnes, Chas. E. & Co., Mariner & Merchants bldg, Phila., Pa.
McIntosh Ice Machine Co., 548 Thurman, Portland, Ore.
Miller H. G. & Co. Inc., E 2115 Riverside av, Spokane, Wash.
Phillips W. C. Co., 311 California, San Francisco, Cal.
Refrigeration Engineering Co., Toledo, O
Starr Engineering Co., 90 West, New York
Stewart M. L., 651 S San Pedro, Los Angeles, Cal.
Tait & Nordmeyer Engng. Co., 1717 Cass, St. Louis, Mo.
Yale Mfg. Co., 229 Minna, San Francisco, Cal.

Engineers Reinforced Concrete

See Concrete Steel Construction, Reinforced

4346a— *Engineers (Rock Products)

Randolph-Perkins Co., H First Nat Bank bldg, Chicago, Ill.
SCHAFFER POIDOMETER CO., Formerly SCHAFFER ENGINEERING & EQUIPMENT CO., 2828 Smallman, Pittsburgh, Pa.
See adv index at end of book

4346b— Engineers (Sanitary)

Aten Sewage Disposal Co., 286 5th av, New York *See adv index at end of book*
Alvord, Burdick & Howson, 81 Dearborn, Chicago, Ill.
Daly M. J. & Sons, Inc., 555H Bank, Waterbury, Conn.
Daly M. J. & Sons, Waterbury, Conn.
Grunsky C. E. Co., 57 Post, San Francisco, Cal.
Kimball Richard D. Co., 15 West 38th, New York
Morris H. C., 1501 Richland, Columbia, S. C.
Newlands Sanitary Laboratory, Hartford, Conn.
Randolph-Perkins Co., H First Nat Bank bldg, Chicago, Ill.
Roe Walter H., Spayth block, Tiffin, Ohio
Taylor Henry W., 154 Nassau, New York

4346c—*Engineers (Stadiums)

Osborn Engineering Co. The, 7016 Euclid av, Cleveland, Ohio

4346d— Engineers' Supplies

Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Lebby Engng. Co., Charleston, S. C.
Rawles Jas. D. Co., 113 Broad, Boston, Mass.
Vincent Geo. (Mfrs. "Victory" Vellum Tracing Paper), 649 W 43d, New York
Weber Co. F., 1220 Buttonwood, Philadelphia, Pa.
WINTER, MARTIN ("Conspicuously Excellent" Drawing, Tracing, Sketching, Detail, Blueprint, Pattern Papers & Cloths), 216 W 18th, New York

4347— Engines (Aeroplane)

Aeromarine Plane & Motor Co., Times bldg., New York.
Burgess W. Starling Co. (Ltd.), Marblehead, Mass.
Clay Engine Mfg. Co., 864 E 72nd, Cleveland, Ohio
Cleveland Aero Motor Co., Cleveland, O.
Curtiss Aeroplane & Motor Corp., Garden City, N. Y.
General Ordnance Co., Derby, Conn.
General Vehicle Co. (G. V. Gnome), Long Island City, N. Y.
Gyro Motor Co., 744 Girard, N W, Washington, D. C.
Hall-Scott Motor Car Co., Inc. ("Liberty" 4 x 6), Crocker bldg, San Francisco, Cal.
Harriman Motors Co., South Glastonbury, Conn.
Hettinger Engine Co., Bridgeton, N. J
Jersey City Machine Co., 113 Plymouth, Jersey City, N. J.
Kemp Machine Works, Muncie, Ind.
Nichols & Wright Motor Co., Buffalo, N. Y
Ordnance Engng. Corp., Equitable bldg., New York.
Packard Motor Car Co., 1580 E. Grand blvd., Detroit, Mich.
Roberts Motor Co., Sandusky, O.
Rolls Royce, Ltd., 8th av & 58th, New York
Scott Motor Car Co., Inc. (Liberty 4 & 6), 818 Crocker bldg, San Francisco, Cal.
Steel Products Engng. Co., Springfield, O
Sterling Engine Co., 1250 Niagara, Buffalo, N. Y.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Thomas-Morse Aircraft Corp., Ithaca, N. Y.
Union Gas Engine Co., Oakland, Cal.
Williams, J. H. & Co. (Forgings), 400 Vulcan, Buffalo, N. Y.
Willys-Overland Co., Toledo, O.
Wisconsins Motor Mfg. Co., Burnham and 44th av, Milwaukee, Wis.
Worlds Motor Co., Bloomington, Ill.

4348— Engines (Alcohol)

Challenge Co., Batavia, Ill.
Charter Gas Engine Co., Sterling, Ill.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
International Harvester Company of America (Inc.) ("International"), Harvester bldg, Chicago, Ill.
Lauson-Lawton Co., De Pere, Wis.
Minneapolis Steel & Machy Co., 2854 Minnehaha av, Minneapolis, Minn.
New Way Motor Co. ("New Way" Air Cooled), Lansing, Mich.
Otto Engine Mfg. Co., 33d & Walnut, Phila., Pa.
Standard Motor Construction Co., Jersey City, N. J.
Wadsworth Mfg. Co. (2 to 20 H. P.), 155 W Congress, Detroit, Mich.

Engines (Artesian Well)

See Pumps, Artesian Well

Engines (Automatic)

See Engines, Steam, with the word "Automatic," etc. following Name

4349— Engines (Automobile)

Auto Engine Works (Gasoline), University & Griggs, St. Paul, Minn.
Bay State Motor Werks (Gasoline), Holyoke, Mass.
Beaver Mfg. Co. ("Beaver," Gasoline), 1st & Oklahoma av, Milwaukee, Wis.
Brennan Motor Mfg. Co. (Gasoline), Syracuse, N. Y.
Buffalo Gasoline Motor Co., 1280 Niagara, Buffalo, N. Y.
Chadwick Engineering Works ("Chadwick." Gasoline), Pottstown, Pa.
Clinton Walter R., West Haven, Conn.
Continental Motor Mfg. Co. (Gas), Muskegon, Mich.
Cushman Motor Works (For Railways), Lincoln, Neb.
Davis Mfg. Co., Milwaukee, Wis.
Falls Motors Corp., Sheboygan Falls, Wis.
Forsyth W. & Sons Co. (Gasoline), Lynn, Mass.
Gray Motor Corp. ("Gray-Beall"), Detroit Term. R. R. & Mack, Detroit, Mich.
Hall Scott Motor Car Co., Inc. (Type L M. 4 & L M. 6), 818 Crocker bldg, San Francisco, Cal.
Hatcher Auto Parts Co. (Gasoline), Cleveland, O.
Hercules Motor Mfg. Co., Canton, O.
Herschell-Spillman (Gasoline), N. Tonawanda, N. Y.
Hubbard Motor Co., Middletown, Conn.
International Harvester Co. ("International"), H Harvester bldg, Chicago, Ill.
Jersey City Machine Co., 113 Plymouth, Jersey City, N. J.
Knox Motors Co. ("Knox"), Dept., H, Springfield, Mass.
Lamson E. F. (Gasoline), Abington, Mass.
Le Roi Co., Mitchell st & 60th av, Milwaukee, Wis.
Lewis Motor Manufacturing Co., Fostoria, Ohio
Lycoming Motors Corp. ("Lycoming"), Williamsport, Pa.
Matthews Engineering Co. ("Matthews"), 460 Monroe, Sandusky, Ohio
Midwest Engine Co., 19th & Martindale av, Indianapolis, Ind.
Miller Engine Co. (High Speed for Racing Cars "Miller"), 2652 Long Beach av, Los Angeles, Cal.
Minneapolis Steel & Machy Co. (Motor Trucks), 2854 Minnehaha av, Minneapolis, Minn.
Mitchell Motors Co., Inc., ("Mitchell" Gasoline), Racine, Wis.
Neustadt Auto & Supply Co. (Gasoline & Steam), 3200 Locust, St. Louis, Mo.
Nichols & Wright Motor Co., Buffalo, N. Y
Northway Motor & Mfg. Co., Holbrook & G. T. R. R., Detroit, Mich.
Roberts Motor Co., Sandusky, O.
Rochester Motors Co. (Gasoline, 20 to 75), Rochester, N. Y.
Romort Mfg. Co., Dept. H, Cor. Main and Hubbard, Oakfield, Wis.
Rutenber Motor Co. ("Rutenber" Gasoline), Marion, Ind.
Schlosser Mfg. Co., 151 E 126th, New York
Seitz F. A. Co. (Gasoline), Newark, N. J.
H. P.), Rochester, N. Y.
Steel Products Engng. Co., Springfield, O.
Supreme Motors Corp. ("Supreme"), Warren, O.
Universal Machinery Co., 784 30th, Milwaukee, Wis.
Vahan Products Co., 73d & St. Clair, Cleveland, O.
Waukesha Motor Co. (Auto Motors), Waukesha, Wis.
Williams J. H. Co. (Forgings), 400 Vulcan, Buffalo, N. Y.
Wisconsin Motor Mfg. Co. ("Wisconsin"), 44th & Burnham, Milwaukee, Wis.

4350— Engines (Beating)

Clark H. C. & Son Machine Co., Lee, Mass.
DAYTON BEATER & HOIST CO., 24 N Canal, Dayton, O.
Dillon Machine Co., Lawrence, Mass.
Dilts Machine Works, Inc., Fulton, N. Y.

(Continued on following page)

FRANKLIN MACHINE COMPANY
Providence, R. I.

ENGINEERS FOUNDERS MACHINISTS

MANUFACTURERS OF

CORLISS STEAM ENGINES

French Worsted Drawing Frames (Frotteurs)
Ball Winding Machines
Power Shoe Lace Tipping Machines
Cotton & Silk Yarn Dressers
Special Textile Machinery
Iron Castings

Transmission Machinery
Special Machinery for Rubber & Paper Mills
Yarn and Wool Top Baling Presses
Pneumatic Gravity Drop Hammers
Pneumatic Presses

George H. Corliss Steam Engines
Harris-Corliss Steam Engines
Greene-Wheelock Steam Engines
Diesel Oil Engines
BROWN VALVE GEAR Applied to all makes of Corliss Engines

Eastern Representatives for Cleveland Worm Gears and Worm Gear Reduction Units

Engines (Beating)—Continued

DOWNINGTOWN MFG. CO., East Downingtown, Pa.
Emerson Mfg. Co. ("Emerson"), Lawrence, Mass.
Herman Mfg. Co., Lancaster, Pa.
Holyoke Mach. Co., Holyoke, Mass.
Horne J. H. & Sons Co., Lawrence, Mass.
Jolly J. & W., Inc., Holyoke, Mass.
Jones E. D. & Sons Co., Pittsfield, Mass.
McKim Foundry & Machine Co. (Miniature for Laboratories, Chemists, etc), Lockport, N. Y.
Mills Machine Co., Lawrence, Mass.
Noble & Wood Machine Co., Hoosick Falls, N. Y.
Valley Iron Works Co., Appleton, Wis.

4351— Engines (Blowing)

Allis Chalmers Mfg. Co. ("Allis" Horizontal or Vertical), Milwaukee, Wis.
See adv index at end of book
American Ship Building Co., ft of W 54th, Cleveland, O.
Bruce-Macbeth Engine Co., Cleveland, O.
Hooven Owens, Rentschler Co., Hamilton, Ohio
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
Mackintosh-Hemphill Co. (Horizontal and Vertical, Compound or Simplex), 12th and Etna, Pittsburgh, Pa.
MESTA MACHINE CO., Box 1124, Pittsburgh, Pa.
See adv index at end of book
Morris I. P. Co., Richmond & Norris, Phila., Pa.
National Foundry & Mach. Co., Louisville, Ky.
Nordberg Mfg. Co., Chicago & Oklahoma av, Milwaukee, Wis.
Weimer Machine Works Co. (High Pressure), Lebanon, Pa.

4352— Engines (Bridge Erecting)

See also Engines, Hoisting

Byers Jno. F. Machine Co., 242 So. Sycamore, Ravenna, O.
See adv index at end of book
Clyde Iron Works Sales Co., Duluth, Minn.
See adv index at end of book
Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book

4353— Engines (Cableway)

Lidgerwood Mfg Co., 96 Liberty, New York
See adv index at end of book
Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book
Street Bros. Machine Wks., Chattanooga, Tenn.
Treadwell Engineering Co., Easton, Pa.
See adv index at end of book

Engines (Chemical)

See Fire Engines, Chemical; also Fire Extinguishers

4354— Engines (Churn Drill)

Lake Shore Engine Works, Marquette, Mich.
National Iron Co. ("Evered"), Duluth, Minn.

4355— Engines (Compound)

Advance Rumley Co. ("Advance"), Madison & Lincoln Way, La Porte, Ind.
Allis Chalmers Mfg. Co. ("Allis"-Steam), Milwaukee, Wis.
See adv index at end of book
Buckeye Engine Co., Salem, O.
Cooper C. & G. Co., Mt. Vernon, O.
Ellicott Machine Corp. (& Triple Expansion), 1111 Bush, Baltimore, Md.
See adv index at end of book
Fitchburg Steam Engine Co., Fitchburg, Mass.
Hooven Owens Rentschler Co., Hamilton, Ohio
Houston, Stanwood & Gamble Co., 3d & Philadelphia, Cincinnati, O.
Mackintosh-Hemphill Co. (Cross Compound, Tandem, Rolling Mill, etc.), 12th and Etna, Pittsburgh, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
Morris Machine Works (60 to 1000 H. P.), Baldwinsville, N. Y.
Murray Iron Works Co., Burlington, Ia.
Pusey & Jones, H Poplar, Wilmington, Del.

4356-7-8—Engines (Compressed Air)

See also Compressors, Air

Chambersburg Foundry & Machine Co., Chambersburg, Pa.
DAKE ENGINE CO., Grand Haven, Mich.
See adv index at end of book
DETROIT HOIST & MACHINE CO., Detroit, Mich. *See adv index at end of book*
Gardner Governor Co., 23 Williams, Quincy, Ill.
Ingersoll-Rand Co. (For Cranes), 11 B'way, New York
See adv index at end of book
Midwest Engine Co., 19th & Martindale av, Indianapolis, Ind.

4359— Engines (Corliss)

See also Engines, Oil

ALABAMA.

BIRMINGHAM—Birmingham Machine & Fdry. Co.
Hardie, Tynes Mfg. Co. (50 to 5000 H. P.)

CALIFORNIA.

SAN FRANCISCO—Golden Gate & Miners Iron Works, 249 First
Hendy Joshua Iron Works, 75 Fremont
Union Iron Works Co. (100 to 3000 H. P.), 20th & Michigan

CONNECTICUT.

BRIDGEPORT—American & British Mfg. Co.

DELAWARE.

WILMINGTON—Remington Machine Co., 411 E Front

ILLINOIS.

CHICAGO—Allis-Chalmers Mfg. Co. ("Reynolds Corliss"), Peoples' Gas bldg
See adv index at end of book
American Brake Shoe & Fdry Co., 372 S Michigan av
JOLIET—Bates Machine & Tractor Co. (50 to 5000 H. P.)
MATTOON—Chuse Engine & Mfg. Co. ("Chuse" Non-Releasing 75 to 1200 H. P.)

INDIANA.

FORT WAYNE—Bass Foundry & Machine Co. (30 to 3000 H. P.)
MARION—Marion Machine Foundry & Supply Co.

IOWA.

BURLINGTON—Murray Iron Works Co. (Steam)

KANSAS.

KANSAS CITY—Strait H. N. Mfg. Co.

MASSACHUSETTS.

FITCHBURG—Fitchburg Steam Engine Co.

MICHIGAN.

MARQUETTE—Lake Shore Engine Works (Stationary & Hoisting)
SAGINAW—Bartlett A. F. & Co. (50 to 1000 H. P.)

MISSOURI.

ST. LOUIS—Fulton Iron Works Co., 1259 Delaware av
St. Louis Iron & Machine Works (Single, Tandem & Cross Compound, Heavy Duty & Girder Frame, 50 to 3000 H. P.), 126 Chouteau av

NEW JERSEY.

HOBOKEN—Consolidated Iron Works
NEWARK—Hewes & Phillips Iron Works, 8 Orange (50 to 2000 H. P.)
Watts-Campbell Co., 298 Ogden (40 to 1000 H. P.)

NEW YORK.

CATSKILL—Catskill Foundry & Machine Co.
NEW YORK—Allis-Chalmers Mfg. Co. ("Reynolds Corliss"), 30 Church
See adv index at end of book
FRANGER A. D. CO., 17 Park Row
See adv index at end of book
OLEAN—Clark Brothers Co. (High Speed)
TROY—Knowlson & Kelley Co. (40 to 2000 H. P.)

OHIO.

CLEVELAND—Walker Motor Co. ("Walker"), H E 131st, Cleveland, O.
HAMILTON—Hooven Owens Rentschler Co. ("Hamilton" 30 to 10,000 H. P.)
MT. VERNON—Cooper C. & G. Co. (150 to 10000 H. P., Heavy Duty)
ZANESVILLE—Griffith & Wedge Co. ("Ohio")

PENNSYLVANIA.

HARRISBURG—Harrisburg Foundry & Machine Works ("Fleming," 4-Valve Automatic)
PHILADELPHIA—Toomey Frank Inc. (Dealers), 127 N 3rd
PITTSBURGH—Mackintosh-Hemphill Co. (Rolling Mill), 12th & Etna
Mesta Machine Co., Box 1124
WAYNESBORO—Frick Co. ("Eclipse")
WILKES-BARRE—Vulcan Iron Works ("Vulcan")

RHODE ISLAND.

PROVIDENCE—FRANKLIN MACHINE CO. ("Harris-Corliss" & "George H. Corliss," "Green Wheelock" Cross Compound, Condensing & Triple Expansion, etc.)
See adv index at end of book
Providence Engineering Works ("Rice & Sargent"), 521 So Main

TENNESSEE.

JACKSON—Southern Engine & Boiler Mfg. Co.

WISCONSIN.

MILWAUKEE—ALLIS-CHALMERS MFG. CO. ("Reynolds," "Reliance," "Allis") *See adv index at end of book*
Filer & Stowell Co. (Heavy Duty)
Nordberg Mfg. Co., Chicago & Oklahoma
VILTER MFG. CO. (30 to 1000 H. P.), 1046 Clinton
See adv index at end of book

Engines (Deck)

See Hoists, Dock & Deck

4360— Engines (Dental)

Cleveland Dental Mfg. Co. (foot), 3307 Scranton rd, Cleveland, O.

Independent Mechanical Electrical Works, 3040 S Main, Los Angeles, Cal.
RITTER DENTAL MFG. CO., INC. ("Ritter" Electric), Rochester, N. Y.
Shelton Elec. Co., 61H E 42d
Sperry Gyroscope Co. ("Sperry" Compound), 40 Flatbush av, Brooklyn, N. Y.
Sterling Dental Mfg. Co. ("Cambridge"), 7H Remington, Cambridge, Mass.
White S. S. Dental Mfg. Co., 211 S. 12th, Phila., Pa.

4360a— Engines (Diesel)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Atlas Imperial Engine Co., foot of 19th av, Oakland, Cal.
Busch-Sulzer Bros. Diesel Engine Co. (120 to 4000 H. P.), 3300 S 2nd, St. Louis, Mo.
Climax Engng. Co., Clinton, Iowa
Cramp Wm. & Sons Ship & Engine Bldg., Richmond & Norris, Phila., Pa.
Dow Pump & Diesel Engine Co., Oak & Oil, Marine and Stationary), Alameda, Cal.
Enterprise Engine Co., 2902H 19th, San Francisco, Cal.
Franklin Machine Co., Providence, R. I.
See adv index at end of book
Fulton Iron Works Co., 1259 Delaware av, St. Louis, Mo.
McIntoosh & Seymour Corp., Dept. H, Auburn, N. Y
Pac. Diesel Engine Co. ("Werkspoor"), Glasscock, Oakland, Cal.
St. Marys Oil Engine Co., St. Charles, Mo.
Seattle Machine Works, Inc., 37-51 W Lander, Seattle, Wash.
Union Gas Engine Co. (50 h.p. up), Kennedy & Boehmer, Oakland, Cal.
Western Machinery Co., 900 N Main, Los Angeles, Cal.

4361—Engines (Direct Connected & Belted)

See also Generators, Electric Light; also Generators, Power
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Buckeye Engine Co. (Gas or Steam), Salem, O.
Erie City Iron Wks., Erie, Pa.
Fuller & Johnson Mfg. Co., 1342 E Washington, Madison, Wis.
Harrisburg Fdry. & Mach. Co., Harrisburg, Pa.
Hooven Owens, Rentschler Co., Hamilton, Ohio
Houston, Stanwood & Gamble Co., 3rd & Philadelphia, Cincinnati, O.
Midwest Engine Co., 19th & Martindale av, Indianapolis, Ind.
Minneapolis Steel & Machy Co., 2854 Minnehaha av, Minneapolis, Minn.
Pittsburgh Model Engine Co. (4, 6 & 8 Cylinder Vertical), Lexington & McPherson, Pittsburgh, Pa.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Toomey Frank Inc. (Dealers) 127 N 3rd, Philadelphia, Pa.
Woolery Machine Co. (Gasoline), 2929 Como av, S E, Minneapolis, Minn.

4362— Engines (Distillate)

Advance Rumley Co. (30 to 60 H. P.), Madison & Lincoln Way, La Porte, Ind.
Alamo Mfg. Co., Hillsdale, Mich.
Allis-Chalmers Mfg. Co. (Diesel), Milwaukee, Wis. *See adv index at end of book*
Armstrong Mfg. Co., Waterloo, Ia.
Bauer Machine Works Co., 2326 Harrison, Kansas City, Mo.
Chambersburg Foundry & Machine Co., Chambersburg, Pa.
Charter Gas Engine Co., Sterling, Ill.
Chicago Pneumatic Tool Co., 6 E 44th, New York
See adv index at end of book
Clay Engine Mfg. Co., 8644 E 72nd, Cleveland, Ohio
Doak Gas Engine Co., Oakland, Cal.
Enterprise Engine Co., 2902H 19th, San Francisco, Cal.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Foos Gas Engine Co., 800 Monroe, Springfield, O.
Fuller & Johnson Mfg. Co., Madison, Wis.
Harris Mfg. Co., Dept H, Park & East, Stockton, Cal.
Hope Forge & Machine Co. ("Reeves"), Mount Vernon, O.
International Harvester Company of America (Inc.) ("International"), Harvester bldg, Chicago, Ill.
Lauson-Lawton Co., De Pere, Wis.
National Steam Pump Co. (5 to 60 H. P.), Upper Sandusky, O.
Otto Engine Mfg. Co., 33d & Walnut, Phila., Pa.
Power Mfg. Co. (15 to 150 H. P.), Marion, Ohio
Rawleigh W. T., Freeport, Ill.
Standard Gas Engine Co. ("Frisco Standard" 5 to 275 H.P.), Dennison & King, Oakland, Cal.
Superior Gas Engine Co., Springfield, O.
Union Tool Co. ("Ideal"), Torrance, Cal.
Wadsworth Mfg. Co., Kercheval & Connors Creek, Detroit, Mich.
Waterloo Gasoline Engine Co., 625 Miles, Waterloo, Ia.
West Coast Gas Engine Co., San Diego, Cal.
Western Machinery Co., 900 N Main, Los Angeles, Cal.
Witte Engine Wks. (Gas, Gasoline, Kerosene), 16th & Oakland, Kansas City, Mo.

4363—*Engines (Drawbridge)

Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book

4364— Engines (Dredging)

See also Engines, Hoisting
ELLICOTT MACHINE CORP., 1111 Bush, Baltimore, Md.
See adv index at end of book
Flory S. Mfg. Co., Bangor, Pa.
See adv index at end of book
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book
Street Bros. Machine Works, Times bldg, Chattanooga, Tenn.
Treadwell Engineering Co., Easton, Pa.
See adv index at end of book

4365—Engines (Drilling, Oil & Gas Well)

Ajax Iron Works, Corry, Pa.
American Well Works, Aurora, Ill.
See adv index at end of book
Armstrong Mfg. Co., Waterloo, Ia.
Chicago Pneumatic Tool Co., 6 E. 44th, New York
See adv index at end of book
Clark Bros. Co., Olean, N. Y.
Clay Engine Mfg. Co., 864 E 72nd, Cleveland, Ohio
Continental Supply Co., Post-Dispatch bldg., St. Louis, Mo.
Fuller & Johnson Mfg. Co., 1342 E Washington, Madison, Wis.
Herron, R. H., Co., 1934 N Alemeda, Los Angeles, Cal.
Midwest Engine Co., 19th & Martindale av, Indianapolis, Ind.
National Supply Co., Union Bank bldg., Pittsburgh, Pa.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Standard Gas Engine Co. ("Frisco Standard"), Dennison & King, Oakland, Cal.
Struthers-Wells Co., Warren, Pa.
Union Tool Co. ("Ideal"), Torrance, Cal.
Western Machinery Co., 900 N Main, Los Angeles, Cal.

4366—Engines For Fan Driving, Etc.

Brownell Co., Dayton, O.
Clarage Fan Co., North & Porter, Kalamazoo, Mich.
See adv index at end of book
Green Fuel Economizer Co., Beacon, N. Y.
Harrisburg Fdry. & Mach. Wks., Harrisburg, Pa.
Lane & Bodley Co., Tenn. av & Poddock rd, Cincinnati, O.
New York Blower Co., Archer Av. & Canal, Chicago, Ill.

4366a— Engines (Fuel Oil)

CHICAGO PNEUMATIC TOOL CO., ("Giant"), 6 E. 44th, New York
See adv index at end of book
Cramp Wm. & Sons Ship & Engine Bldg. Co., Richmond & Norris, Phila., Pa.
Muncie Oil Engine Co., Muncie, Ind.
Stover Mfg. & Engine Co., Freeport, Ill.
Superior Gas Engine Co., Springfield, Ohio

4366b— Engines (Garden)

Douglas W. & B., Middletown, Conn.
Fuller & Johnson Mfg. Co., 1342 E Washington, Madison, Wis.

4367— Engines (Gas Power)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Chicago Pneumatic Tool Co., 6 E 44th, New York
See adv index at end of book
Marion Machine & Foundry & Supply Co., Marion, Ind.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book

4368-9— Engines (Gas and Gasoline)

See also Engines, Marine, Gasoline

ALABAMA.

BIRMINGHAM—Chicago Pneumatic Tool Co., 1925 N 5th av
See adv index at end of book

ARIZONA.

NOGALES—Roy & Titcomb (Gasoline)

CALIFORNIA.

BERKELEY—Jackson Byron Iron Works
EUREKA—Lane & Sutliff
LOS ANGELES—Chicago Pneumatic Tool Co., 307 E 3rd
See adv index at end of book
Commercial Iron Works of L. A., 2424 Porter
Fulton Engine Wks., 1000 Alhambra (Gas)
Gregory Wm. & Sons, Engines (Gas & Gasoline), 602 Main
Guarantee Engineering & Machine Co. ("Stearns"), 1001H N Main
Stearns Gas Engine Works (Gas)
Western Machinery Co. ("Western" Natural Gas), 900 N Main
OAKLAND—Atlas Imperial Engine Co. (Gas)
Doak Gas Engine Co. (Internal. Combustion), 4th and Madison
Kennedy & Boehmer, Union Gas Engine Co. ("Union")
Standard Gas Engine Co. ("Frisco Standard"), (5 to 175 H. P.)
Union Gas Engine Co. (5 to 600 H. P.), (Gas & Oil), Oakland
SAN DIEGO—West Coast Gas Engine Co.
SAN FRANCISCO — Chicago Pneumatic Tool Co., 175 1st
See adv index at end of book
Corliss Gas Engine Co. (Stationary & Marine), 440 Market
Davis Norris K., 400 7th
Dundon Iron Works, 225 Folsom
Enterprise Engine Co., 2902H 19th
Golden Gate & Miners Iron Works, 249 1st
Pacific Pump & Supply Co. (Jobbers), (Pumps, Windmills, Gasoline Engines, & Water Supply Goods), 835 Folsom
Schilling Adam & Sons (Gas & Gasoline), 211 Main
Western Machy. Co. (Diesel gas), H Rialto bldg
Woodin & Little (Dirs). 33H Tremont
STOCKTON—Harris Mfg. Co., Dept H, Park & East
TORRANCE—Union Tool Co. ("Ideal", 15 to 50 H. P.)

COLORADO.

DENVER—Chicago Pneumatic Tool Co., 406 Cooper bldg
See adv index at end of book

CONNECTICUT.

BRIDGEPORT—American & British Mfg. Co. (Gas or Gasoline in Quantities Only)
Automatic Machine Co., 113 E. Wash.
Black Rock Mfg. Co. (Twin Screw Type), Ft. Hancock av
Bridgeport Motor Co. (Gasoline Motors) 105 Kossuth
Standard Oil Engine Co. (Marine Gasoline)
Wolverine Motor Works ("Wolverine" Marine 18 to 100 H. P.), 35 Union av
CENTERBROOK—Connecticut Valley Mfg. Co. (Gasoline Marine)
COSCOB—Palmer Bros. (Gasoline)
HARTFORD—GRAY & PRIOR MACHINE CO. (Marine), 96 Suffield
See adv index at end of book
MIDDLETOWN—Frisbie Motor Co.
Hubbard Motor Co. (2 & 4 cycle)
MYSTIC—Lathrop J. W. Co. (Stationary & Marine, 1½ to 25 H. P., Gas & Gasoline)
NEW BRITAIN—Kinne W. A.
NORWALK—Barker C. L. (Gas)
SEYMOUR—Church S. B. (Gas & Gasoline)
STAMFORD—Stamford Motor Co. ("Snecker" Gasoline)
STONY CREEK—Beach Oliver B. (Gas & Gasoline)

DELAWARE.

WILMINGTON—Trump Bros. Machine Co. (Marine), Beech & Anchorage

FLORIDA.

JACKSONVILLE—Gibbs Gas Engine Co. of Fla. (Jobbers)

GEORGIA.

WINDER—Woodruff Machinery Mfg. Co. (2 to 4 H. P.)

ILLINOIS.

BATAVIA—Appleton Mfg. Co. ("Appleton" Gasoline)
Challenge Co. ("Challenge")
BELLEVILLE—Harrison Machine Wks. ("Jumbo")
CHICAGO — Accurate Engineering Co., 5401 Western av blvd
Aermotor Co. ("Aermotor"), 2500 W. 12th
Acme Steel Goods Co., 2834-2840 Archer av
Allis-Chalmers Mfg. Co. ("Allis" Gas Only), Peoples Gas bldg
See adv index at end of book
Anderson Engine Co., 4236 Line av
CHICAGO PNEUMATIC TOOL CO., 572 W Randolph
See adv index at end of book
Colborne Mfg. Co. (Gas), 157 W Division
FAIRBANKS, MORSE & CO. ("Z" Gas & Gasoline for All Purposes), 900 S Wabash av

(Continued on following page)

Engines (Gas & Gasoline)—Cont.

ILLINOIS—Continued

CHICAGO—Hydraulic Engng. Wks., 708 Fulton
International Harvester Company (Inc.), ("International"), Harvester bldg.
McDonald A. H. (Gas), 547 W Monroe
Murray W. B. (Gas & Gasoline), N Winchester & Wabansia avs

DECATUR—Decatur Novelty Wks. (Gasoline)

DIXON—Clipper Lawn Mower Co. ("Clipper," Gasoline, Marine & Stationary)

EAST MOLINE—Root & Vandervoort Engineering Co. ("R. & V.," "Triumph," Gas & Gasoline)

FREEPORT—Freeport Gas Machine Co. (Gas)
Rawleigh W. T. ("R. S." Gasoline)
Stover Mfg. & Engine Co. ("Stover," Gasoline, 1 to 60 H. P.)
Woodmanse Mfg. Co. ("Mogul")

GALENA—Westwick John & Son

GALESBURG—Wenzelman Mfg. Co. (Gasoline)

HAVANA—Havana Mfg. Co. ("Havana," "Red & Ready")

KEWANEE—Kewanee Private Utilities Co., West Side

NORTH CHICAGO—North Chicago Machine Co. ("Phantom" gasoline)

POLO—Polo Machine Co. (Gas)

QUINCY—Quincy Motor Co.

ROCKFORD — Emerson-Brantingham Co. ("E-B") Portable & Stationary)

SANDWICH—Sandwich Mfg. Co.

STERLING—Charter Gas Engine Co. (Gas & Gasoline)

URBANA—Leavitt Mfg. Co. ("Success," Gasoline)

WARNER—Warner Elevator Mfg. Co. ("Warner," Gasoline)

INDIANA.

ANDERSON—Buckeye Mfg. Co. ("Lambert," ½ to 40 H. P.)
Dice Machine Co. ("Anderson," "Westerfield," "Dice")
Reliable Machine Co. (Gas)

EVANSVILLE—Evansville Gas Engine Wks.

INDIANAPOLIS—Indiana Air Pump Co., Indiana Pythian bldg
Midwest Engine Co. (Gasoline Only), 19th & Martindale av
Spacke Machine & Tool Co. (Motorcycle Gasoline Only)

LA PORTE — Advance - Rumely Co. ("Adams," "Falk," "Oil Turn," "Olds")

MARION—Marion Machine Foundry & Supply Co. (Self-Igniting)
Rutenber Motor Co. ("Rutenber")

MUNCIE—Keiser Geo. & Co. (Gasoline)

NEW ALBANY—Goetz-Coleman Mfg. Co. (Gas & Gasoline)

PLYMOUTH—Clizbe Bros. Mfg. Co.

RICHMOND—Richmond Standard Mfg. Co. (Gasoline)

IOWA.

ALGONA—North American Engine Co. ("Road Boss" Reversible for Section Cars)

CHARLES CITY—American Tractor & Foundry Co.
Hart-Parr Co. (Oil Cooled, Gasoline)

CLINTON—Climax Engng. Co.

DES MOINES—Gibbons Mach. & Foundry Co.

IOWA FALLS—Gade Bros. Mfg. Co. (Air Cooling, Gasoline)

MARSHALLTOWN—Lennox Machine Co. ("Lennox," "O. K.," "Standard," Stationary & Mounted), (See Chicago, Ill.)

NEWTON—One Minute Mfg. Co. (1½ H. P.)

WATERLOO—Armstrong Mfg. Co. (Gasoline)
Associated Mfrs. Co. ("Amanco," "Busy Boy," "Chore Boy," "Hired Man," "Hired Hand," "Jack Boy," "Johnny Boy," "Six Mule Team," "Twelve Mule Team," Gasoline)
Cement Tile Machinery Co. ("S. & S.")
Construction Machinery Co., 113 Vinton
Ferguson Mfg. Co. ("Ferguson")
Galloway Wm. Co. ("Galloway," Gasoline)
Interstate Tractor Co.
Iowa Gasoline Engine Co. (Gasoline)
Waterloo Gasoline Engine Co. ("Waterloo Boy" Gasoline)

KANSAS.

KANSAS CITY—Badger Gas & Gasoline Engine Co. (1 to 4 H. P.)

OTTAWA—Union Foundry & Machine Co. ("Union Giant") (1½ to 6 H. P.)

TOPEKA—Piersen Manfg. Co. ("Superior Piersen" Gasoline)

KENTUCKY.

LOUISVILLE—Longest Bros. Co. (Gasoline)

OWENSBORO—Wright Machine Co. ("Wright Reliable" "Heavy Duty" "Marine Motor"), 405 E 2nd

WINCHESTER—Hagan Gas Engine Mfg. Co. (Gas)

LOUISIANA.

NEW ORLEANS—Chicago Pneumatic Tool Co., 353 Carondelet
See adv index at end of book

MAINE.

AUGUSTA—Fifield Bros. Co.

BATH—Torrey Roller Bushing Works

CAMDEN—Camden Anchor-Rockland Machine Co. ("Knox") (2 Cycle Stationary & Marine)

MARYLAND.

BALTIMORE—Eisenbrandt F. B. (Marine, Gasoline), ft of Light
Harms Bros. ("Eclipse," Marine), 1730 Thames
Page Eng. Co. ("Oriole" Gas & Gasoline), Clagett & Hull.
White Chas. Gas Engine Co. (4 to 60 H. P.), Scott & McHenry

MASSACHUSETTS.

ABINGTON—Lamson E. F.

AMESBURY—Atlantic Boat Co. (Marine)

BOSTON—Blount Eng'ring Co. ("Blount") 100 High
Brackett, Shaw & Lunt Co., Washington
Chicago Pneumatic Tool Co., 172 High
See adv index at end of book
Jager Chas. J. Co. ("Jager," 4 Cycle Type, 2 to 60 H. P.), 13 Custom House
Lunt, Moss Co. (Gas & Gasoline), 43 S Market
Murray & Tregurtha Co., 340 W 1st
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park

FALL RIVER—Mechanics' Fdy. & Machine Co. ("Mechanics")

HOLYOKE—Bay State Motor Works

LOWELL—Bennett Bros Co., 51 Payne
Heinze Electric Co.

LYNN—Essex Engine Co.
Sagamore Motor Works

QUINCY—Murray & Tregurtha Co., Dept H, Hancock

SALEM—Brown-Talbot Machinery Co.

WORCESTER—Burlingame S. F. (Oil & Gasoline), 149 Commercial

MICHIGAN.

COLDWATER—Regal Gasoline Engine Co. (Gasoline)

DETROIT—Caille Perfection Motor Co. (Marine & Stationary Gasoline), 2nd & Amsterdam
Chicago Pneumatic Tool Co., 95 E Larned *See adv index at end of book*
Continental Motors Corp., 12801 E Jefferson av
Golden, Belknap & Swartz Co. ("G. B. & S." Gasoline), 5432 Grand River av
Gray Motor Co. (Gasoline, 1, 2 & 3 Cylinders, 3 to 30 H. P.), Det. Term. R. R. & Mack
Kermath Mfg. Co., 5890 Commonwealth
Northway Motor & Mfg. Co., Holbrook & G. T. R. R.
Scripps Motor Co. (Marine), 629 Lincoln av
Sun-Power Engine Co.
Wadsworth Mfg. Co. (Gasoline 2 to 20 H. P.), 155 W Congress

GRAND RAPIDS—Perkins & Co.

GREENVILLE—Moore Plow & Implement Co. ("Moore," "Sure Cool," Gasoline)

HILLSDALE—Alamo Mfg. Co. (Gas & Gasoline)

HOLLAND—Holland Engine Co. (Air Cooled)

HUDSON—Hardie Mfg. Co. ("Hardie")

IONIA—Arnold's G. W. Son (Gasoline)

JACKSON—Field-Brundage Engine Wks. ("Field," "Field Type W," Gasoline)

LANSING—Bates & Edmonds Motor Co. ("B. & E.," "Bulldog," also Direct Connected)
Gifford Engine Co. (1½ H. P.)
New Way Motor Co. ("New Way" Gasoline 5 H. P.)
Novo Engine Co. ("Novo" Water Cooled Especially adapted for Concrete Mixers, etc., 1½ to 40 H. P.)
Original Gas Engine Co. ("Ideal")
Reliance Engineering Works
United Engine Co.

LUDINGTON—Stearns Motor Mfg. Co. (Gasoline)

MARCELLUS—Chapman H. L. ("Chapman" "Economizer")

MARQUETTE—Lake Shore Engine Works ("New Superior" 2 & 4-Cycle)

MUSKEGON—Continental Motor Mfg. Co.

PETOSKEY—Burnett Foundry & Machine Works (Ltd.) (Marine & Stationary)

SAGINAW—Nelson Bros. Co. ("Jumbo," 1½ to 4½ H. P.)
Wilcox Motor Parts & Mfg. Co.

ST. JOHNS—Farmers' Cement Tile Machine Co.
Richmond & Holmes (Gas & Gasoline)

THREE RIVERS—Fairbanks, Morse & Co., Sheffield Plant

MINNESOTA.

FAIRMONT—Fairmont Railway Motors, Inc. ("Fairmont" Gasoline & Kerosene)

FARIBAULT—Faribault Engine Mfg. Co.

MINNEAPOLIS—Chicago Pneumatic Tool Co., 5th av & 5th
See adv index at end of book
Diamond Iron Works (2 to 75 H. P.), 2nd & 18th av N.
Enterprise Machinery Co. ("Westman," Gasoline), 1600 8th
Howell R. R. & Co., 31st Av.
Minneapolis Steel & Machinery Co. ("Muenzel," Gas, 30 to 300 H. P.) 2854 Minnehaha av
Twin City Co., 29th & Minnehaha av
Woolery Machine Co. (Gasoline for R. R. Section Motor Cars), 2929 Como av, S. E.

RED WING—Red Wing Motor Co.

ST. PAUL—Auto Engine Works (Marine Gasoline), University & Griggs

WINONA—Winona Machine & Boat Works (Motor Boat)

MISSOURI.

KANSAS CITY—Bauer Machine Works Co. ("Bauer," "Ever Ready," Up to 50 H. P.), 2326 Harrison
Kansas City Hay Press Co. ("K. C." & "K. C., Jr.," "Lightning," Stationary & Portable) Foot of 4th st viaduct

ST. LOUIS—Chicago Pneumatic Tool Co., 813 Hempstead
See adv index at end of book
Mo. Engine Co. (Marine)

NEBRASKA.

BEATRICE—Dempster Mill Mfg. Co.

FREMONT—Fremont Foundry & Machine Co.

LINCOLN—Cushman Motor Works (4 H. P. 4-Cycle, Gasoline)

NEW HAMPSHIRE.

LAKEPORT—McDuff Wm. J.

NEW JERSEY.

BLOOMFIELD—Empire Cream Separator Co. ("Empire," Two Cycle, 1½ to 3 H. P.)

BRIDGETON—Hettinger Engine Co.

DUNELLEN—Ransome Concrete Machinery Co. ("Oshkosh")

HOBOKEN—Nilson-Miller Co., 50 13th

JERSEY CITY—Craig James, Garfield av
Jersey City Machine Co., 113 Plymouth
Standard Motor Const. Co. (Marine, 8 to 1500 H. P.), 180 Whiton.

NEWARK—Backus Water Motor Co. (Gas & Gasoline), 172 Penn av

PATERSON—Sipp Machine Co. (½ to 1 H. P.)

PENNSGROVE—Homan Vandever S.

TRENTON—Trenton Malleable Iron Co. ("Rice" 2 & 4-Cycle)

NEW YORK.

ADAMS—Frazer Bros. Co. (Marine)

AUBURN—Quick & Thomas Co.

BALLSTON SPA—Lackawanna Mfg. Co. "Lackawanna" Marine Engine)

BINGHAMTON—Deyo-Macey Engine Co. (Gas)

BUFFALO—Alberger Gas Engine Co., 281 Chicago
Augustine Automatic Rotary Engine Co. (Gas), 1934 Elmwood av
Buffalo Engine Co., 1 Randall ("Salisbury")
Buffalo Gasoline Motor Co., 1812 Niagara
Empire Machine & Stamping Co., 59 Terrace
Frontier Engine Works, 9 Perry.
Lazier Gas Engine Co. ("La Zier"), 190 Main.
Olin Gas Engine Co. ("Olin," Gas & Gasoline), 10 Lock
Peerless Marine Motor Co., 2150 Niagara
STERLING ENGINE CO. (Gas), 1250 Niagara
Williams J. H. & Co. (Forgings), 400 Vulcan, Buffalo, N. Y.

CANASTOTA—Cady C. N. Co. (Marine)

DUNKIRK — Niagara Motors Corp. **("Niagara" Marine Motors)**

ELMIRA—Field Force Pump Co. ("Leader")

FRANKFORT—Acme Road Machinery Co. (Gasoline)

GARDEN CITY—Curtiss Aeroplane & Motor Corp.

GASPORT—Friend Mfg. Co.

GENEVA—Fay & Bowen Engine Co. (Gas & Gasoline, 2 & 4 Cycle Stationary & Marine)

GREENPORT—Gaffga J. S. & Co.

HAMMONDSPORT—Curtiss Aeroplane Co.

HOOSICK FALLS—Wood Walter A. Mowing & Reaping Machine Co. ("McVicker" Gasoline, Farm)

MALONE—Hinds Thomas Co. (Gasoline)

MORRISTOWN—Morristown Boat & Engine Co.

NEW YORK CITY.

Borough of Brooklyn

BROOKLYN—National Meter Co., 1st av

Boroughs of Manhattan and Bronx.

NEW YORK—Allis-Chalmers Mfg. Co. ("Allis," Gas Only, Four-Cycle Double-Acting, 500 to 5,000 H. P.), 50 Church
See adv index at end of book

Allman Gas Engine & Mach. Co., 461 Canal
Chicago Pneumatic Tool Co., 6 E 44th
See adv index at end of book
De La Vergne Machine Co., 926 E 138th
Gas Engine & Power Co. (Chas. L. Seabury & Co. ("Speedway" Gasoline), Morris Heights
GLOBE MARINE ENGINE CO. (Also Oil), 15 Whitehall
Homan J. & E. (Gas & Gasoline), 435 W B'way
Lidgerwood Mfg. Co., 96 Liberty
See adv index at end of book
New York Yacht, Launch & Engine Co. ("20th Century"), Morris Heights
Schlosser Mfg. Co. (Automobile & Marine), 151 E. 126th
Tirrill Gas Mach. Lighting Co., 50H Church
Van Blerck Motor Co., 30 Church
Wallace Eng Co. ("Empire"), Suite 506, Educational bldg
Worthington Pump & Machy. Corp., 115 Broadway

(End of New York City)

NIAGARA FALLS—Goffin & Zeifang
NORTH TONAWANDA — Herschell-Spillman Co.
OGDENSBURG—Dunn Walter E. (1½ to 25 H. P.)
OLEAN—Myrick Machine Co.
RENSSELAER—Jacobson Gas Engine Co.
Rochester Motors Co., 278 State.
ROCHESTER—Rochester Motors Co., 278 State
SCHENECTADY—S. R. Mfg. Co. ("Mohawk")
SYRACUSE—Leighton H. J.
Wonder Mfg. Co.
VERNON—Pohl Geo. D. Mfg. Co. ("Advance" Gasoline)
WELLSVILLE—Clark & Norton Mfg. Co

NORTH DAKOTA.

FARGO—Fargo Foundry Co. (Gasoline Only)

OHIO.

AKRON—Standard Pump & Engine Co. (Gas)
Star Drilling Machine Co. (4-Cycle, 6 to 15 H. P.)
BOWLING GREEN—Universal Machine Co. (Gasoline, Marine)
CANTON—Hercules Motor Mfg. Co. (Gasoline for Trucks, etc)
CINCINNATI—Ahrens Fox Fire Engine Co., Colerain & Alfred
Berhausen Machine Co., 2122 Colerain av
Carlisle & Finch Co. (Generating Set) 229 E. Clifton Av.
Chicago Pneumatic Tool Co., Pearl & Vine *See adv index at end of book*
Clifton Motor Works ("Clifton"), 229 E Clifton av
Oberting Motors Co. ("Oberting"), 5320 St. Clair
Watkins Motor Co. (Gas & Gasoline), 828 W 6th
CLEVELAND—Bruce-Macbeth Engine Co. (8 to 300 H. P.)
Chicago Pneumatic Tool Co., 109 St. Clair av N. E.
See adv index at end of book
Clay Engine Mfg. Co., 864 E 72nd
Maskell J. H. Machine & Mfg. Co (Gasoline), 1421 E 40th
Strong, Carlisle & Hammond Co., 1394 W 3rd
Winton Engine Wks. (Gasoline-Marine, 75 H. P. up)
Wood & Spencer Co. (up to 5 H. P.) 1930 E 61st
COLUMBUS—Lowe Bros. Machine & Engine Works ("Lowe" Gas and Gasoline, 1½ to 400 H. P.)
DAYTON—Callahan W. P. Co. (Up to 200 H. P.)
Steiner M. & Co. (Gas)
DELAWARE—Cook Motor Co.
FINDLAY—Buckeye Traction Ditcher Co.
GALION—Galion Iron Works & Mfg. Co.
GREENVILLE—Ross Supply Co. (Gasoline)
Wogaman Bros. Co. ("Ritchie," "Hamilton," Gas & Gasoline)
HAMILTON—Advance Mfg. Co. ("Hamilton Advance", 6 to 35 H. P.)
Benninghofen C. Sons
Hooven Owens, Rentschler Co. (Large Gas)
LIMA—Buckeye Machine Co. (Gasoline, up to 12 H. P.)
Ohio Valley Supply Co. (Gas)
MARIETTA—Pattin Bros. Co. (12 to 100 H. P. Gas)
MASSILLON—Russell & Co. ("Boss" Traction)
MOUNT GILEAD—Hydraulic Press Mfg. Co.
MOUNT VERNON—Cooper C. & G. Co. (150 to 3000 H. P. Gas Only)
Hope Engng. & Supply Co.
Hope Forge & Machine Co.
NAPOLEON—Heller-Aller Co.
Ragan-Brown Lange Co.
NEW LEXINGTON—Star Mfg. Co. ("Star")
PORTSMOUTH—Heer Engine Co. (2 to 16 H. P.)
Reliable Engine Co. (Gas)
SALEM—Buckeye Engine Co. (Gas Only; Horizontal, Single & Double Acting, Operated on Natural Producer & Artificial Gas, Direct Connected or Belted; H. P. Up)
SANDUSKY — Matthews Engineering Co. ("Matthews"), 460 Monroe
Ohio Motor Co. (Heavy Duty Gasoline)
Roberts Motor Co. (Marine Gasoline)
Vim Motor Co.
SPRINGFIELD—Bauroth Bros. ("Bauroth," "Scientific" Gas & Gasoline, 2 to 15 H. P.)
Foos Gas Engine Co. (Gasoline, 6 to 325 H. P.), 800 Monroe
Miller Improved Gas Engine Co. (" Watts-Miller" Heavy Duty Gas 35 to 250 H. P.)
Steel Products Engng. Co., Springfield, O.
Superior Gas Engine Co. ("Superior" natural gas for all field service, 2 & 4 cycle, 20 to 35 H. P., also Commercial natural gas Engines, 40 to 75 H. P.)
Superior Mfg. & Mill Co.
TOLEDO—Motor Macultivator Co. (Gasoline 1½ to 2 H. P.), 1808 Dorr
Jones S. M. Co. ("Ralco" 4 to 100 H P.)
Rathbun-Jones Engineering Co. ("Rathbun" Vertical Gas Engine, 50 to 1200 H. P.), 823 Spencer
TROY—Hobart Mfg. Co.

OKLAHOMA.

BARTLESVILLE—Frick-Reid Supply Co ("Reid" Gas)

OREGON.

PORTLAND — Williamette Gas Engine Works, 85 E. 11th av

PENNSYLVANIA.

BELLEFONTE—Bellefonte Engineering Co.
BLUE BALL—Blue Ball Machine Wks.
BRADFORD—Blaisdell Machinery Co.
Bovaird & Co. (Gas & Gasoline)
Bovaird & Seyfang Mfg. Co.
Combination Engine & Compression Co. ("Bradford Improved," 10 to 50 H. P.)
BUTLER—Butler Engine & Foundry Co. (Oil Country Type)
Evans Manufacturing Co., Ltd.
Spang & Co.
CHAMBERSBURG—Chambersburg Foundry & Machine Co.
DUBOIS—Dubois Iron Works ("Du Bois," 5 to 300 H. P.)
EDDYSTONE—Pennsylvania Iron Works Co.
EMIGSVILLE—National Tubular Axle Co. (Marine)
FRANKLIN — Franklin Valveless Engine Co. (10-40 H. P.), Dept. H.
GROVE CITY—Bessemer Gas Engine Co. ("Bessemer," "Gaso-Kero" Gas, 6 to 350 H. P.)
LANSDALE—Heebner & Sons (Gasoline, Stationary & on Wheels)
MYERSTOWN—Myers E. H.
NEW BRIGHTON—Pittsburgh Machine Co.
OIL CITY—American Railway Appliance Co. (2½ H. P. up to 12 H. P.)
NATIONAL TRANSIT PUMP & MACHINE CO., (Gas)
See adv index at end of book
Reid Jos. Gas Engng. Co.
PHILADELPHIA—Chicago Pneumatic Tool Co., 1740 Market
See adv index at end of book
Otto Engine Mfg. Co., Dept. H, 33rd & Walnut
Schramm Chris. D. & Son, Inc. (Jump or Break Ignition), 709 Arch
Toomey Frank Inc. (Dealers), 127 N 3rd
Vulcan Gas Engine Works ("Vulcan"), 1827 Bainbridge
PITTSBURGH—Carlin John H. Machine Co. (Gas)
Chicago Pneumatic Tool Co., 12 Wood
See adv index at end of book
Frick-Reid Supply Co. ("Reid" Gas), Sandusky & Robinson
Harris Pump & Supply Co., 318 Second av
See adv index at end of book
MESTA MACHINE CO., Box 1124
See adv index at end of book
Oil Well Supply Co. (Gas), 215 Water
Pittsburgh Model Engine Co. (4, 6 & 8 Single Cylinder Vertical), Lexington & McPherson
Standard The, Scale & Supply Co. ("The Standard" Gasoline Engines; Also Oil), 1631 Liberty av
Turner-Fricke Mfg. Co., Farmers' Bank bldg
POTTSTOWN—Light Mfg. & Foundry Co.
North American Motors Co. (Automobile 20 to 45 H. P.)
SHIPPENSBURG — Domestic Engine & Pump Co. ("Domestic")
SOUTH BETHLEHEM—Bethlehem Steel Co. ("Bethlehem Steel" Gas Engine, 800 to 5,000 H. P.)
TATAMY—Messinger Mfg. Co. ("Messinger")
TITUSVILLE—Titusville Iron Co. ("Olin" 6 to 35 H. P.)
WARREN—Warren Mach. Products Co.
WEST CHESTER—Schramm Inc.
West Chester Engine Co.
WILLIAMSPORT—Early Gas Engine Co.
Moltz Jacob J.
Lycoming Motor Corp. ("Lycoming" Gasoline), Dept. H
WRIGHTSVILLE—Dissinger ("Capital")
YORK—Farquhar A. B. Co., Ltd. ("Farquhar" Gas Only)
Henry, Millard & Henry Co. ("Advance")
Manley Mfg. Co. ("Manley")

SOUTH CAROLINA.

COLUMBIA—Tozer Engine Works, Dept. H

TEXAS.

AUSTIN—Tips Engine Works (Gas Only)
EL PASO—Chicago Pneumatic Tool Co., 303 San Francisco
See adv index at end of book
FORT WORTH—Fort Worth Well Machy & Supply Co.
HOUSTON—Chicago Pneumatic Tool Co., 601 Carter
See adv index at end of book
SAN ANTONIO—San Antonio Machine & Supply Co. ("Krueger," "Atlas" Gasoline), Dept. H

UTAH.

SALT LAKE CITY—Chicago Pneumatic Tool Co., 117 W 2nd, So.
See adv index at end of book

VERMONT.

POULTNEY—Ruggles Machine Co.
WATERBURY—Cooley Wright Mfg. Co. (Gasoline)

VIRGINIA.

RICHMOND—Chicago Pneumatic Tool Co., 1004 Mutual bldg
See adv index at end of book

WASHINGTON.

SEATTLE—Chicago Pneumatic Tool Co., 119 Jackson
See adv index at end of book
Washington Iron Works, Seattle blvd & Norman av
TACOMA—Puget Sound Iron & Steel Works (Gasoline)
WALLA WALLA—Harris Mfg. Co.

WEST VIRGINIA.

PARKERSBURG—Parkersburg Machine Co. (Small Gasoline Only)

WISCONSIN.

ALGOMA—Wodsedalak Jos.
APPLETON—Eagle Mfg. Co. ("Eagle" Gasoline)
BELOIT—Thompson Plow & Engine Wks
BERLIN—Schaefer Mfg. Co.
BRILLION—Brillion Iron Works ("Brillion" Gasoline)
CEDAR GROVE—Wisconsin **Foundry & Steel Works**
CUDAHY—Worthington Pump & Machy. Corp. ("Ingeco")
DE PERE—Lauson-Lawton Co. ("Wisconsin" 1½ to 30 H. P.)
EAU CLAIRE — Eau Claire Mfg. Co. ("White" Gasoline Stationary, Portable, Marine & Electric Light)
Northwestern Steel & Iron Works ("Northwestern" Gasoline)
EVANSVILLE—Baker Mfg. Co. ("Baker" "Monitor" Gasoline)
FOND DU LAC—Quentin Peter N. (Gas)
GREEN BAY—Straubel Machine Co. (Marine)
LA CROSSE—La Crosse Tractor Co.
MADISON—Fuller & Johnson Mfg. Co. ("F. & J. Open Jacket" Gasoline, Water & Air Cooled
MANITOWOC—Richards H. C.
Smalley Mfg. Co. ("Smalley")
MILWAUKEE—Allis-Chalmers Mfg. Co.
See adv index at end of book
Reaver Mfg. Co., First & Oklahoma av
Evinrude Motor Co. (Gas), 27th & Florence
Haase Motor Works
Le Roi Co. (Gas), Mitchell & 60th av
Milwaukee Auto Engine & Supply Co., 841 29th
SMITH T. L. CO. ("Smith"), 1151 32d *See adv index at end of book*
Toepfer Frank Sons, 460 National av
Wisconsin Machinery & Mfg. Co., 51st & Burham
Wisconsin Motor Mfg. Co. (Gas), 44th av & Burnham
NEW HOLSTEIN—Lauson John Mfg. Co. ("Frost King" Gas & Gasoline)
Termaat & Monahan Mfg. Co. ("T. & M." Stationary & Marine)
OSHKOSH—Darman H. C. Co.
PORT WASHINGTON—Gilson Mfg Co ("Gilson," "Goes Like Sixty" Gasoline, Small for Creameries, Washing Machines, etc)
RACINE—Sieverkropp Engine Co.
SCHLEISINGERVILLE—Standard Mach Co. (Gas)
SHEBOYGAN—Globe Co. (Gasoline 1½ to 16 H. P.)
SHEBOYGAN FALLS—Falls Motors Corp
SPARTA—Sparta Iron Works Co.

(Continued on following page)

Engines (Gas & Gasoline)—Cont.

WISCONSIN—Continued
SUPERIOR—Duplex Mfg. Co. (Gasoline)
TWO RIVERS—Kahlenberg Bros. Co. (Marine)
WAUKESHA—Waukesha Motor Co. (Auto Motors)
WEST ALLIS—Le Roi Co. ("Le Roi" 2 Cylinder 3 to 8 H.P. & 4 Cylinder 8 to 15 H.P.)

4370—Engines (Gas & Steam, Rebuilt)

Marion Machine, Foundry & Supply Co., Marion, Ind.
Reliabuilt Motors Co. (Rebuilt) 4H Leo pl, Brooklyn, N. Y.
Toomey Frank Inc., 127 N 3rd, Phila., Pa.

4371—Engines (Gasoline Locomotive)

Clay Engine Mfg. Co., 864 E 72nd, Cleveland, Ohio
Midwest Engine Co., 19th & Martindale av, Indianapolis, Ind.
Minneapolis Steel & Machy Co., 2854 Minnehaha av, Minneapolis, Minn.
Pittsburgh Model Engine Co. (4, 6 & 8 Cylinder Vertical), Lexington & McPherson, Pittsburgh, Pa.
S. R. Mfg. Co., Schenectady, N. Y.
STERLING ENGINE CO., 1210 Niagara, Buffalo, N. Y.

4371a—Engines (Hand Car)

Fairmont Railway Motors, Inc., Fairmont, Minn.
Mudge & Co., 80 E Jackson blvd, Chicago, Ill.
North American Engine Co., Algona, Ia.
Northwestern Steel & Iron Works, Eau Claire, Wis.
Woolery Machine Co. (Gasoline), 2929 Como av, S E, Minneapolis, Minn.

4372— Engines (Haulage)

American Hoist & Derrick Co. (Double & Single Friction Drum), St. Paul, Minn.
Carlin John H. Machine Co., Pittsburgh, Pa.
Clyde Iron Works Sales Co., Duluth, Minn.
See adv index at end of book
Connellsville Mfg. & Mine Supply Co. (Steam & Electric), Connellsville, Pa.
Crawford & McCrimmon Co., Brazil, Ind.
Finch Mfg. Co., Scranton, Pa.
Galion Iron Works & Mfg. Co., Galion, O.
Houston, Stanwood & Gamble Co., 3rd & Philadelphia, Cincinnati, O.
Lake Shore Engine Works, Marquette, Mich.
Lambert Hoisting Engine Co., 117 Poinier, Newark, N. J.
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
Litchfield Foundry & Machine Co. (Endless Rope, Tail Rope), Litchfield, Ill.
Marion Machine Foundry & Supply Co., Marion, Ind.
Mauch Chunk Iron Works, Mauch Chunk, Pa.
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.
Midwest Engine Co., 19th & Martindale av, Indianapolis, Ind.
Milholland J. & J. B. Co. (Endless Rope), **714 5th av, Pittsburgh, Pa.**
Monighan Machine Co., 2032 Carroll av, Chicago, Ill.
Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book
National Hoisting Engine Co., 325 Manor av, Harrison, N. J.
See adv index at end of book
Ottumwa Box Car Loader Co., Ottumwa, Ia.
Ottumwa Iron Works (Direct & Geared), Ottumwa, Ia.
Pittsburgh Model Engine Co., (4, 6 & 8 Cylinder Vertical), Lexington & McPherson, Pittsburgh, Pa.
Puget Sound Iron & Steel Works, Tacoma, Wash.
Stine J. C. Co., Tyrone, Pa.
Stine S. B., Osceola Mills, Pa.
Street Bros. Machine Works, Chattanooga, Tenn.
Superior Iron Works Co. (Cable Haulage with Endless Rope), Superior, Wis.
Treadwell Engineering Co., Easton, Pa.
See adv index at end of book
Vulcan Iron Works, Wilkes-Barre, Pa.
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, O.

4373— Engines (Hoisting)

See also Engines, Hoisting, Gas & Gasoline

ALABAMA.

BIRMINGHAM—Hardie-Tynes Mfg. Co. (Steam & Electric)

ARIZONA.

NOGALES—Roy & Titcomb

CALIFORNIA.

LOS ANGELES—Western Machinery Co., 900 N Main
OAKLAND—Doak Gas Engine Co.
Standard Gas Engine Co. ("Frisco Standard"), Dennison & King sts
SAN DIEGO—West Coast Gas Engine Co.
SAN FRANCISCO—Hendy Joshua Iron Works (Double Cylinder, etc), 75 Fremont
Murray Bros. Machine Works, 233 Folsom

COLORADO.

DENVER—Denver Engineering Works Co. (All Kinds)
Mine & Smelter Supply Co.

CONNECTICUT.

BRIDGEPORT—Coulter & McKenzie Machine Co., 77 Water

GEORGIA.

MARIETTA—Glover Machine Works

ILLINOIS.

CHICAGO—Chicago Builders' Specialties Co., 11 So. La Salle.
Clyde Iron Works Sales Co., 11 So La Salle
See adv index at end of book
Fairbanks Morse & Co., 900 So Wabash av
See adv index at end of book
Louer W. B. & Co. (Dirs), 11 E Harrison
Monighan Machine Co. (All Kinds), 2032 Carroll av
Moore Bros., 39 S La Salle
DANVILLE—Holmes Robt. & Bros., Inc.
LITCHFIELD—Litchfield Foundry & Machine Co. (First Motion)

INDIANA.

BRAZIL—Crawford & McCrimmon Co.
INDIANAPOLIS—Midwest Engine Co., 19th & Martindale av
MARION—Marion Machine Foundry & Supply Co.

IOWA.

BURLINGTON—Murray Iron Works Co.
DES MOINES—Eagle Iron Works (Steam & Electric)
OTTUMWA—Ottumwa Box Car Loader Co.
Ottumwa Iron Works
WATERLOO—Armstrong Mfg. Co.
Waterloo Gasoline Engine Co.

LOUISIANA.

NEW ORLEANS—Clyde Iron Works Sales Co., 309 Magazine
See adv index at end of book

MARYLAND.

BALTIMORE — Ellicott Machine Corp., 1111 Bush
See adv index at end of book
Meyer Henry H. Co. (Dirs., Steam, also Gasoline), 110 S Howard
See adv index at end of book
Page Engineering Co., Clagett & Hull

MASSACHUSETTS.

BOSTON—Bertelsen & Petersen Engineering Co., 256 Border
Mead-Morrison Mfg. Co. (Complete Line), Cor Prescott & Orleans, East Boston, Mass.

MICHIGAN.

DETROIT—DETROIT HOIST & MACHINE CO.
See adv index at end of book
Detroit Shipbuilding Co. (Ash), Ft. Orleans
Jefferson Iron Works Co., 548 W Jefferson av
GRAND HAVEN—DAKE ENGINE CO.
See adv index at end of book
LANSING—Novo Engine Co. (Gas & Gasoline)
MARQUETTE—Lake Shore Engine Works (Corliss & Slide Valve)
SAGINAW—Bartlett A. F. & Co.
Jackson & Church Co.

MINNESOTA.

DULUTH—Clyde Iron Works Sales Co.
See adv index at end of book
National Iron Co.
MINNEAPOLIS — Minneapolis Steel & Machy. Co., 2854 Minnehaha av
ST. PAUL—American Hoist & Derrick Co.

MISSOURI.

KANSAS CITY—United Iron Works Co., Inc. (For Coal Mines, etc)
ST. LOUIS—Ellison Wm. & Sons Mfg. Co.
See adv index at end of book

NEW JERSEY.

HARRISON—National Hoisting Engine Co. (For all Purposes), 325 Manor av *See adv index at end of book*
NEWARK—Lambert Hoisting Engine Co., 117 Poinier
MUNDY J. S. HOISTING ENGINE CO. ("Mundy"), 735 Frelinghuysen av
See adv index at end of book

NEW YORK CITY.

Boroughs of Manhattan and Bronx.
NEW YORK—BROWN & SITES CO., 30 Church
Clyde Iron Works Sales Co. 141 Centre
See adv index at end of book
Godfrey Keeler Co. (Mine & Contractors), 70 Warren
Glover Machine Wks., Export Dept. 43 Cedar
Granger A. D. Co. (Steam, Marine Steam), 17 Park Row
See adv index at end of book
Haiss Geo. Mfg. Co. (Coal), 369 Rider av
Hoisting Engine Sales Co., Grand Central Terminal
Liberty Hoisting Engine Co., 283 Hudson
LIDGERWOOD MFG. CO., 96 Liberty
See adv index at end of book
Pelham Operating Co., 410 W 26th

Borough of Richmond.

WEST NEW BRIGHTON—**HUNT C. W. CO.** *See adv index at end of book*
(End of New York City)

NORTH CAROLINA.

PINETOWN—Parker Surry

OHIO.

CLEVELAND—Clay Engine Mfg. Co., 864 E 72nd, Dept. H
Wellman-Seaver-Morgan Co.
COLUMBUS—Weinman Pump Mfg. Co., 300 Spruce
RAVENNA—Byers Machine Co., The (All Kinds for All Purposes), 242 Sycamore *See adv index at end of book*
TOLEDO—Toledo Foundry & Machine Co.
Toledo Ship Building Co.
ZANESVILLE—Griffith & Wedge Co.

OREGON.

PORTLAND—Portland Iron Works, 495 Northrup
Willamette Iron & Steel Works

PENNSYLVANIA

BANGOR—**FLORY S. MFG. CO.** (All Kinds for all Purposes)
See adv index at end of book
BETHLEHEM — Bethlehem Shipbuilding Corporation, Ltd (Marine)
CONNELLSVILLE—Connellsville Mfg. & Mine Supply Co.
DANVILLE—Danville Iron & Steel Co.
HOBOKEN—Blaw-Knox Co. (Drums), Freeport rd
MAUCH CHUNK—Mauch Chunk Iron Works
PHILADELPHIA—American Engineering Co. (Frictional Spur & Worm Gear), Aramingo & Cumberland
Lidgerwood Mfg. Co. (of New York), Widener bldg.
Morris I. P. Co. (Mine), Richmond & Norris
Mundy J. S., Hoisting Engine Co. (For All Purposes), 1744 Market
See adv index at end of book
Toomey Frank Inc. (Dealers), 127 N 3rd
PITTSBURGH—Brown Hoisting Machinery Co., Oliver bldg.
See adv index at end of book
Carlin John H. Machine Co. (Steam & Electric)
COLONIAL SUPPLY CO., 217 Water
See adv index at end of book
Green L. A., First Natl. Bank bldg
Milholland J. & J. B. Co., 714 5th av
Pittsburgh Model Engine Co., (4, 6 & 8 Single Vertical), Lexington & McPherson, Pittsburgh, Pa.
PITTSTON—Exeter Machine Works (Steam & Electric)
READING—Orr & Sembower
SCRANTON—Allis-Chalmers Co. ("Allis," Steam)
See adv index at end of book
Finch Mfg. Co.
SHIPPENSBURG—Domestic Engine & Pump Co.
STROUDSBURG—Stroudsburg Engine Works (Gas or Gasoline)
WEST CHESTER—Schramm, Inc., West Chester, Pa.
WILKES-BARRE—Vulcan Iron Works ("Vulcan"), Wilkes-Barre, Pa.

TENNESSEE.

CHATTANOOGA—Patten Mfg. Co. (Single & Double Drum), 3803 St. E av
Street Bros. Machine Works (Steam)
JACKSON—Southern Engine & Boiler Mfg. Co. (2 to 50 H. P.)

VERMONT.

FAIR HAVEN—Fair Haven Foundry & Machine Co.

WASHINGTON.

SEATTLE—Northwestern Iron Works
Seattle Machine Works, 51 W Lander
Washington Iron Works

WEST VIRGINIA.

CHARLESTON—South Side Foundry & Machine Works

WISCONSIN.

MANITOWOC—Manitowoc Ship Building Co. (Steam)
MILWAUKEE—Allis-Chalmers Mfg. Co. ("Allis" Steam)
See adv index at end of book

Filer & Stowell Co.
Nordberg Mfg. Co., Chicago & Oklahoma
SUPERIOR—Superior Iron Works Co. ("Anchor")

4374—Engines (Hoisting, Contractors')

See also Engines, Hoisting

Byers Jno. F. Machine Co., 242 S Sycamore, Ravenna, O.
See adv index at end of book
CLYDE IRON WORKS SALES CO., Duluth, Minn. *See adv index at end of book*
Ellicott Machine Corp., 1111 Bush, Baltimore, Md.
See adv index at end of book
Grange A. D. Co., 17 Park Row, New York
See adv index at end of book
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
Midwest Engine Co., 19th & Martindale av, Indianapolis, Ind.
Mundy J. S. Hoisting Engine Co., 722 Frelinghuysen av, Newark, N. J.
Novo Engine Co., Lansing, Mich.
Schramm, Inc., West Chester, Pa.
Toomey Frank, Inc. (Dealers), 127 N 3rd, Phila., Pa.
Treadwell Engineering Co., Easton, Pa.
See adv index at end of book
West Coast Gas Engine Co., San Diego, Cal.

4375—Engines (Hoisting, Gas or Gasoline)

American Engng. Co. (For Marine Use), Aramingo av & Cumberland, Phila., Pa.
Armstrong Mfg. Co., Waterloo, Ia.
Bates & Edmonds Motor Co., Lansing, Mich.
Clay Engine Mfg. Co., 864 E 72nd, Cleveland, Ohio
CLYDE IRON WORKS SALES CO., Duluth, Minn. *See adv index at end of book*
Domestic Engine & Pump Co., Shippensburg, Pa.
Fairbanks, Morse & Co. (Gas, Gasoline & Oil), 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Holmes Robt. & Bros., Danville, Ill.
Jager Chas. J. Co. ("Mason Jager" Gasoline & Oil) 15 Custom House, Boston, Mass.
Kennedy & Boehmer ("Union" 5 to 100 H.P.), Oakland, Cal.
Lake Shore Engine Works (Gasoline, Hoisting & Pumping), Marquette, Mich.
Lauson-Lawton Co., De Pere, Wis.
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.
Midwest Engine Co., 19th & Martindale av, Indianapolis, Ind.
Minneapolis Steel & Machy. Co., 2854 Minnehaha av, Minneapolis, Minn.
Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book
Novo Engine Co., Lansing, Mich.
O. K. Clutch & Machy. Co., Columbia, Pa.
Roy & Titcomb, Nogales, Ariz.
Schramm Inc., West Chester, Pa.
Standard Gas Engine Co. ("Frisco Standard", 5 to 175 H. P.), Oakland, Cal.
Union Gas Engine Co. ("Union", 5 to 100 H. P.), 351 Montgomery, San Francisco, Cal.
Waterloo Gasoline Engine Co., Waterloo, Ia.
West Coast Gas Engine Co., San Diego, Cal.

4376—Engines (Hoisting, Mine)

See also Engines, Hoisting; also Engines, Hoisting, Gas & Gasoline; also Hoists, Mine

Houston, Stanwood & Gamble Co., 3rd & Philadelphia, Cincinnati, O.
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
Novo Engine Co., Lansing, Mich.
Schramm, Inc., West Chester, Pa.
Treadwell Engineering Co., Easton, Pa.
See adv index at end of book
West Coast Gas Engine Co., San Diego, Cal.

4377—*Engines (Hoisting, Pneumatic)

Chicago Pneumatic Tool Co., 6 East 44th, New York *See adv index at end of book*
DETROIT HOIST & MACHINE CO., Detroit, Mich. *See adv index at end of book*
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book

4378—Engines (Hoisting, Portable)

Byers Machine Co., The, 242 Sycamore, Ravenna, O. *See adv index at end of book*
Clyde Iron Works Sales Co., Duluth, Minn.
See adv index at end of book
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
Mundy J. S. Hoisting Co., 722 Frelinghuysen av, Newark, N. J.
See adv index at end of book
Novo Engine Co., Lansing, Mich.
Puget Sound Iron & Steel Works, Tide Flats, Tacoma, Wash.
Schramm, Inc., West Chester, Pa.
Treadwell Engineering Co., Easton, Pa.
See adv index at end of book

4379—Engines (Incline Cableway)

See also Engines, Hoisting

CLYDE IRON WORKS SALES CO., Duluth, Minn.
See adv index at end of book
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
Midwest Engine Co., 19th & Martindale av, Indianapolis, Ind.
Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book

4380— Engines (Jordan)

Black-Clawson Co., Hamilton, O.
Dillon Machine Co., Lawrence, Mass.
Emerson Mfg. Co. ("Emerson"), Lawrence, Mass.
Horne J. H. & Sons Co., Lawrence, Mass.
Jones E. D. & Sons Co., Pittsfield, Mass.
McKim Foundry & Machine Co. (For Laboratories, Chemists, Color Mfrs, etc.), Lockport, N. Y.
Mills Machine Co., Lawrence, Mass.
Noble & Wood Mach. Co., Hoosick Falls, N. Y.
Smith & Winchester Mfg. Co., So Windham, Conn.

4380a—Engines (Kerosene)

See also Engines, Oil

Baltimore Oil Engine Co., Eastern av & 31st st. Balto, Md.
Boos Oil Engine Co., St. Marys, Ohio
Brackett Shaw & Lunt Co., 1 Washington, Boston, Mass.
Camden Anchor-Rockland Mach. Co., Camden, Me.
Chicago Pneumatic Tool Co., 6 East 44th, New York *See adv index at end of book*
Clay Engine Mfg. Co., 864 E 72nd, Cleveland, Ohio
Jolly J. & W., Inc., Holyoke, Mass.
Minneapolis Steel & Machy. Co., 2854 Minnehaha av, Minneapolis, Minn.
SMITH T. L. CO. ("Smith"), 1151 32nd, Milwaukee, Wis.
See adv index at end of book
Standard Gas Engine Co. ("Frisco Standard"), Oakland, Cal.
Worthington Pump & Machy. Corp., 115 Broadway, New York

Engines (Locomotive Traction)

See Locomotives, Dirt Road

4381— Engines (Logging)

See also Engines, Hoisting

Byers Machine Co., The, 242 Sycamore, Ravenna, O. *See adv index at end of book*
CLYDE IRON WORKS SALES CO., Duluth, Minn. *See adv index at end of book*
Enterprise Engine Co., 2902 19th, San Francisco, Cal.
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
Loggers & Contractors Mach. Co., 70 4th, Portland, Ore.
Luther Frederick P. Co., 14 E Jackson blvd, Chicago, Ill.
Midwest Engine Co., 19th & Martindale av, Indianapolis, Ind.
Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book
Novo Engine Co., Lansing, Mich.
Puget Sound Iron & Steel Works ("Tacoma"), Tide Flats, Tacoma, Wash.
Smith & Watson Iron Works ("Smith"), 400 Front, Portland, Ore.
Street Bros. Machine Works, Chattanooga, Tenn.
Washington Iron Works, Norman av, Seattle, Wash.
Williamette Iron & Steel Works, Ft. of Front, Portland, Ore.
Young J. A. Machine Mfg. Co., E 11th & Minneapolis, Tacoma, Wash.

4382—Engines (Marine, Gasoline)

See also Engines, Automobiles; also Engines, Gas or Gasoline; also Motor Boat, Launch & Yacht Builders

Adams Mfg. Co., 1741 8th, Berkeley, Cal.
Anderson Engine Co. (2½ to 150 H. P.), 4238 Lincoln av, Chicago, Ill.
Atlantic Boat Co., Amesbury, Mass.
Atlas Imperial Engine Co., Ft. of 19th av, Oakland, Cal.
Austin Automobile Co., Grand Rapids, Mich.
Auto Engine Works, University & Griggs av, St. Paul, Minn.
Automatic Machine Co. ("Automatic"), 113 E Washington, Bridgeport, Conn.
Barker C. L., Norwalk, Conn.
Bethlehem Steel Co., So. Bethlehem, Pa.
Black Rock Mfg. Co., Ft. Hancock av, Bridgeport, Conn.
Blount Engineering Co. ("Blount"), 100 High, Boston, Mass.
Brennan Motor Mfg. Co. (2-4-6 Cylinder), Syracuse, N. Y.
Bridgeport Motor Co., 105 Kossuth, Bridgeport, Conn.
Buffalo Gasoline Motor Co. (2 to 100 H. P., 4 Cycle), 1280 Niagara, Buffalo, N. Y.
Cady C. N. Co., Canastota, N. Y.
Caille Perfection Motor Co. ("Perfection"), 2d & Amsterdam, Detroit, Mich.
Camden Anchor-Rockland Machine Co. ("Knox" 2 Cycle, Stationary & Marine), Camden, Me.
Chadwick Engineering Works ("Chadwick"), Pottstown, Pa.
Clay Engine Mfg. Co., 864 E 72nd, Cleveland, Ohio
Clinton Walter R. (2 to 60 H. P.), West Haven, Conn.
Clipper Lawn Mower Co. (2 to 8 H. P.), Dixon, Ill.
Continental Motor Mfg. Co., Muskegon, Mich
Cooley, Wright Mfg. Co., Waterbury, Vt.
Corliss Gas Engine Co., 440 Market, San Francisco, Cal.
Cushman Motor Works, Lincoln, Neb.
Daman H. C. Co., Oshkosh, Wis.
Davis Mfg. Co., Milwaukee, Wis.
Disappearing Propeller Boat Corp. of New York ("Dis-Pro"), North Tonawanda, N. Y.
Doak Gas Engine Co., Oakland, Cal.
Dorman H. C., 5th, Oshkosh, Wis.
Dutcher Machine Co., Fulton, N. Y.
Dundon's Iron Wks., 225 Folsom, San Francisco, Cal.
Dunn Walter E., Ogdensburg, N. Y.
Eau Claire Mfg. Co. ("White"), Eau Claire, Wis.
Enterprise Engine Co. (Stationary), 2902H 19th, San Francisco, Cal.
Erd Motor Co. (Gas), Saginaw, Mich.
Essex Engine Co. ("Essex"), Lynn, Mass.
Evansville Gas Engine Works, 1230 Riverside av, Evansville, Ind.
Evarts Machine Co., (1½ H. P.), 17 Francis av, Hartford, Conn.
Evinrude Motor Co., 27th & Florence, Milwaukee, Wis.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago
See adv index at end of book
Fairbanks, Morse & Co., Sheffield plant, Three Rivers, Mich.
Falls Motors Corp., Sheboygan Falls, Wis.
Fay & Bowen Engine Co. (5 to 75 H. P.), Geneva, N. Y.
Fifield Bros. Co. ("Capitol"), Augusta, Me.
Fitzhenry E. L. & Co., 46 Beverly, Boston, Mass.
Frazer Bros. Co. ("Frazer-Adams"), Adams, N. Y.
Frontier Engine Works, 9 Perry, Buffalo, N. Y.
Gas Engine & Power Co., & Charles L. Seabury & Co. ("Speedway," also Naptha), Morris Heights, N. Y.
General Engines Corp., 867 Howard, San Francisco, Cal.
Gray Motor Co. (1, 2 & 3 Cylinder, 3 to 30 H. P.), Det. Term. R. R. & Mack, Detroit, Mich.
GRAY & PRIOR MACHINE CO. ("Hartford"), 96 Suffield, Hartford, Conn.
See adv index at end of book
Great Lakes Engineering Works, Real Est. Exch. bldg, Detroit, Mich.
Greenville Implement Co., Greenville, Mich.
Hall-Scott Motor Car Co., Inc., 313 Crocker bldg, San Francisco, Cal.
Harms Bros. ("Eclipse"), 1730 Thames, Baltimore, Md.
Herschell-Spillman Co., North Tonawanda, N. Y.
Hettinger Engine Co. (6 H. P. to 50 H. P.) Bridgeton, N. J.
Hubbard Motor Co. (2 & 4-Cycle), Middletown, Conn.
Jager Chas. J. Co. ("Mason Jager" 2, 4, 6 & 8 Cylinder, 10 to 160 H. P.), 15 Custom House Boston, Mass
Johnson Carlyle Machine Co. ("Bud E"), Manchester, Conn.
Jones S. M. Co. ("Ralaco" 4 to 100 H. P.), Toledo, O.
Kahlenberg Bros. Co. ("Kahlenberg" Self-Starting, Reversing, ½ & 3 Cylinder, up to 75 H. P.), Two Rivers, Wis.
Kermath Mfg. Co., 5890 Commonwealth, Detroit, Mich.
Knox Motors Co. ("Knox" 20-40 H. P.), Dept. H, Springfield, Mass.
Lackawanna Mfg. Co. (Valveless Reversible), Ballston Spa, N. Y.
Lake Shore Engine Works ("New Superior" 2 & 4-Cycle), Marquette, Mich.
Lamont Alex., 7322 Jefferson, Detroit, Mich.
Landis, E. M., Toledo, O.
Lathrop Jas. W. Co., Mystic, Conn.
Leighton H. J., Syracuse, N. Y.
Lockwood Ash Motor Co., Jackson, Mich.
McDuff Wm. J., Lakeport, N. H.
Mechanics' Foundry & Machine Co. ("Mechanics"), Fall River, Mass.
Midwest Engine Co., 1900 Martindale, Indianapolis Ind
Milwaukee Auto Engine & Supply Co., 841 29th, Milwaukee, Wis.
Missouri Engine Co., St Louis, Mo.
Murray Bros. Machine Works, 231-233 Folsom, San Francisco, Cal
Murray & Tregurtha Co., Dept. H, Hancock, Quincy, Mass.

(Continued on following page)

Engines (Marine, Gasoline)—Cont.

N. & S. Engine Co., Inc., 1144 Elliott av, W, Seattle, Wash.
N. Y. Yacht, Launch & Engine Co. ("20th Century"), Morris Heights, N. Y.
Niagara Motors Corp. ("Power of Niagara), Dunkirk, N. Y.
Nichols & Wright Motor Co., Buffalo, N. Y.
Northwestern Motor Co., 759 Spring, Eau Claire, Wis.
Novo Engine Co., Lansing, Mich.
Pac. Diesel Engine Co. ("Werkspoor," "Skandia"), Glasscock, Oakland, Cal.
Page Engineering Co. ("Oriole," Gas), Clagett & Hull, Baltimore, Md.
Palmer Bros., Coscob, Conn.
Peerless Marine Motor Co., 2150 Niagara, Buffalo, N. Y.
Pennsylvania Iron Works Co. ("Globe"), Eddystone, Pa.
Providence Engineering Corp., 521 South Main, Providence, R. I.
Rathbun-Jones Engineering Co., 841 Spencer, Toledo, Ohio
Regal Gasoline Engine Co., Coldwater, Mich.
Richards Iron Works, Manitowoc, Wis.
Roberts Motor Co., Sandusky, O.
S. R. Mfg. Co. ("Mohawk"), Schenectady, N. Y.
Schaefer Mfg. Co., Berlin, Wis.
Scheppele Chas. A., Dubuque, Ia.
Schlosser Mfg. Co., 151 E 126th, New York
Scripps Motor Co., 629 Lincoln av, Detroit, Mich.
Stamford Motor Co ("Snecker"), Stamford, Conn.
Standard Gas Engine Co. ("Frisco Standard" 5 to 275 H. P.), Dennison & King, Oakland, Cal.
Standard Motor Const. Co. (75 H. P., up), 180 Whiton, Jersey City, N. J.
Standard Oil Engine Co., Bridgeport, Conn.
STERLING ENGINE CO., 1250 Niagara, Buffalo, N. Y.
Termaat & Monahan Mfg. Co. (Reversing), Oshkosh, Wis.
Thomas E. R. Motor Co., 1227 Main, Buffalo, N. Y.
Trump Bros. Machine Co. ("Pilot"), Beech & Anchorage, Wilmington, Del.
Union Gas Engine Co. ("Union" 5 to 600 H.P.), Dept. H, Kennedy & Boehmer, Oakland, Cal.
Universal Machine Co., Bowling Green, O.
Universal Motor Co., Oshkosh, Wis.
Valley Boat Co., Saginaw, Mich.
Van Blerck Motor Co. (High speed Engines 75 to 200 H. P. for High Speed Runabouts & Express Cruisers), 30 Church, New York
Vim Motor Co., Sandusky, O.
Wadsworth Mfg. Co. (2 to 20 H. P.), 155 W Congress, Detroit, Mich.
Watkins Motor Co., 828 W 6th, Cincinnati, Ohio
White Chas. Gas Engine Co., Scott & McHenery, Baltimore, Md.
Williams J. H. Co. (Forgings), 400 Vulcan, Buffalo, N. Y.
Winton Engine Wks. (4-Cycle 75 H. P. & Up), Cleveland, O.
Wisconsin Machinery & Mfg. Co., 51st & Burnham, Milwaukee, Wis.
Wolverine Motor Works (18 to 100 H. P. 4-cycle), 35 Union av, Bridgeport, Conn.

4383— Engines (Marine, Oil)

Astoria Marine Iron Works, Astoria, Ore.
Bolinders Co. (Imp), 30 Church, New York
Busch-Sulzer Bros. Diesel Engine Co. (120 to 4000 H. P.), 3300 S 2nd, St. Louis, Mo.
Charter Gas Engine Co. ("Mietz"), Sterling, Ill.
Craig Jas., Garfield av, Jersey City, N. J.
Cramp Wm. & Sons Ship & Engine Bldg. Co., Richmond & Norris, Phila, Pa.
Dow Pump & Diesel Engine Co., Oak & Clement, Alameda, Cal.
Dundon Iron Works, 225 Folsom, San Francisco, Cal.
Enterprise Engine Co., 2902H 19th, San Francisco, Cal.
Enterprise Foundry Co., 20 Steuart, San Francisco, Cal.
FAIRBANKS, MORSE & CO., (Type "C-O" Oil), 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Fairbanks Morse & Co. (Crude Oil), Sheffield Plant, Three Rivers, Mich.
Gulowsen-Grel Engine Co., 27th W & Commodore Way, Seattle, Wash.
Jager Chas. J. Co., ("Mason-Jager"), 15 Custom House, Boston, Mass.
Missouri Engine Co. (Up to 60 H. P.), St. Louis, Mo.
New London Ship & Engine Co. ("Diesel Type"), Groton, Conn.
Rathbun-Jones Engineering Co. ("Price-Rathbun"), P. O. Box 856, Toledo, O.
Skamdia Pacific Oil Engine Co. ("Skamdia" Hot Ball & Semi Diesel 9 H. P. to 500 H. P.), Oakland, Cal.
Standard Gas Engine Co. ("Frisco Standard" 7½ to 300 H.P.), Dennison & King, Oakland, Cal.
Vulcan Gas Engine Works, 1827 Bainbridge Phila., Pa.
Western Machy Co., 900 N Main, Los Angeles, Cal.

Engines (Marine, Portable)

See Motors, Rowboat, Detachable

4384—Engines (Marine, Steam)

See also Engines, Steam

American Ship Building Co., ft of W 54th, Cleveland, O.
Astoria Marine Iron Wks., Astoria, Ore.
Atlantic Works, 80 Border, E B, Boston, Mass.
Augustine Automatic Rotary Engine Co., 1934 Elmwood av, Buffalo, N. Y.
Baltimore Dry Dock & Ship Bldg. Co., Ft East Fort av, Baltimore, Md.
Bath Iron Works, Ltd., Bath, Me.
Bay State Iron Works, Erie, Pa.
Bethlehem Shipbuilding Corp., Ltd. (Reciprocating), Bethlehem, Pa.
Buckeye Engine Co. ("Buckeye" Triple Expansion), Salem, O.
Burton & Johnson Co., 2301 Center av Cleveland, O.
Cahill W. S. Co., Key Highway & Webster, Baltimore, Md.
Chicago Ship Building Co., 101st & Calumet River, Chicago, Ill.
Codd E. J. Co., 700H S Carolina, Baltimore, Md.
Coulter & McKenzie Machine Co., 771 Water, Bridgeport, Conn.
Cramp Wm. & Sons Ship & Engine Bldg. Co., Richmond & Norris, Phila., Pa.
Detroit Shipbuilding Co., ft. Orleans, Detroit, Mich.
Eilicott Machine Corp., 1111 Bush, Baltimore, Md. *See adv index at end of book*
Evans C. H. & Co., 187 Fremont, San Francisco, Cal.
Fletcher W. & A. Co., Hoboken, N. J.
Flynn W. S., 76 Hudson, Jersey City, N. J.
Golden Gate & Miners Iron Works, 249 1st, San Francisco, Cal.
Hallidie Co., Spokane, Wash.
Herreshoff Mfg. Co., Bristol, R. I.
High Speed Engine Corp., 231 Murray, Newark, N. J.
Hooven Owens, Rentschler Co., Hamilton, Ohio
Jersey City Machine Co., 113 Plymouth, Jersey City, N. J.
Kingsford Foundry & Machine Co., Oswego, N. Y.
Knowlson & Kelley Co., Troy, N. Y.
Llewellyn Iron Wks., 1200H, N Main, Los Angeles, Cal.
Main Iron Works, 16th & Daggett, San Francisco, Cal.
Manistee Iron Works Co., Manistee, Mich.
Manitowoc Ship Building Co., Manitowoc, Wis.
Marine Engine & Boiler Co., Philpot & Point, Baltimore, Md.
Markey Machinery Co., 85 Horton, Seattle, Wash.
Maryland Steel Co., Sparrows Point, Md.
Merrill Stevens Dry Dock & Repair Co., Jacksonville, Fla.
Morris Machine Works (1½ to 1000 H. P.) Baldwinsville, N. Y.
Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book
Murray Iron Works Co., Burlington, Iowa
National Marine Engine Works, Inc., Dept. H Mattos & Hickory, Scranton, Pa.
New London Marine & Iron Works, New London, Conn.
Newport News Ship Building & Dry Dock Co., 233 B'way, New York
Northwestern Iron Works, Seattle, Wash.
Ogdensburg Machine Co., Ogdensburg, N. Y.
Old Dominion Marine Railway Corp'n, Berkley, Va.
Orr & Sembower, Reading, Pa.
Portland Co. (Compound & Triple Expansion), Portland, Me.
Providence Engng. Corp., S Main, Providence, R. I.
Puget Sound Machinery Depot, 318-1st Av. So. Seattle, Wash.
Pusey & Jones Co., Wilmington, Del.
Quintard Iron Works Co., 40 Wall, New York
Richards Iron Works, Manitowoc, Wis.
Schantz & Eckert, Perth Amboy, N. J.
Seattle Machine Works, 37 W. Lauder, Seattle, Wash.
Smith Theo. & Sons Co., ft Essex, Jersey City, N. J.
Staten Island Shipbuilding Co., 3075H, Richmond Terrace, Mariners Harbor, Staten Island, N. Y.
Sullivan John W. Co. (Compound & Triple Expansion), 827 E 9th, New York
Superior Ship Building Co., Superior, Wis.
Toledo Foundry & Machine Co., Toledo, O.
Toledo Ship Building Co., Toledo, O.
Trout H. G. Co., Buffalo, N. Y.
Vulcan Iron Works, Inc., Hudson & Essex, Jersey City, N. J.
Ward Chas. Engineering Works, Charleston, W. Va.
Willamette Iron & Steel Works, Portland, Ore.

4385—*Engines (Mining, Steam)

Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book
Power & Mining Machinery Co., 115 B'way, New York

Engines Mounted on Wheels

See Engines, Portable on Wheels

4386— Engines (Naphtha)

Armstrong Mfg. Co., Waterloo, Ia.
Bradford Supply Co. (Converted Only), 130 Main, Bradford, Pa.
Charter Gas Engine Co., Sterling, Ill.
Gas Engine & Power Co. & Chas. L. Seabury & Co., Morris Heights, N. Y.
Waterloo Gasoline Engine Co., 625 Milot, Waterloo, Ia.

4387— Engines (Oil)

See also Engines, Alcohol

Advance Rumely Co. ("Oilturn" Kerosene & Distillate, 30 to 60 H. P.), La Porte, Ind.
Alamo Mfg. Co. (Kerosene), Hillsdale, Mich.
Allis-Chalmers Mfg. Co. (Diesel), Milwaukee, Wis.
See adv index at end of book
Am. Blakeslee Mfg. Co. ("American"), Birmingham, Ala.
American Tractor & Foundry Co., Charles City, Ia.
Anderson Engine Co. (Kerosene), 4036 N Rockwell, Chicago, Ill.
Anderson Foundry & Machine Wks. ("Anderson" Crude Oil), Anderson, Ind.
Appleton Mfg. Co. (Kerosene), Batavia, Ill.
Armstrong Mfg. Co., Waterloo, Ia.
Baltimore Oil Engine Co., Eastern av & 31st, Balto, Md.
Bauer Machine Works Co. ("Bauer" 20 to 50 H.P.), 2326 Harrison, Kansas City, Mo.
Bessemer Gas Engine Co. ("Bessemer" Crude Oil, 5 to 350 H. P.), Grove City, Pa.
Bethlehem Steel Co. (Diesel Type), Bethlehem, Pa.
Boos Oil Engine Co. ("Boos"), St. Marys, Ohio.
Brackett, Shaw & Lunt Co., 1 Washington, Boston, Mass.
Burlingame S. F., 149 Commercial, Worcester, Mass.
Busch-Sulzer Bros. Diesel Engine Co. (120 to 4000 H.P.), 3300 S 2nd, St. Louis, Mo.
Challenge Co. (Kerosene), Batavia, Ill.
Chambersburg Foundry & Machine Co (Kerosene), Chambersburg, Pa.
Charter Gas Engine Co. ("Mitz" Fuel & Crude Oil), Sterling, Ill.
Clay Engine Mfg. Co., 864 E 72nd, Cleveland, O.
Climax Engng. Co., Clinton, Iowa
CORCORAN A. J., INC., 745 Jersey av, Jersey City, N. J.
See adv index at end of book
Corliss Gas Engine Co., 440 Market, San Francisco, Cal.
Covington Machine Co., Covington, Va.
Cramp Wm. & Sons Ship & Engine Bldg. Co., Richmond & Norris, Phila., Pa.
Crawford Mill Supply Co. (Dealers), Winston-Salem, N. C.
De La Vergne Machine Co. ("De La Vergne"), 926 E 138th, New York
Doak Gas Engine Co., Oakland, Cal.
Dodge Mfg. Corp., Mishawaka, Ind.
Dow Pump & Diesel Engine Co., Oak & Clement, Alameda, Cal.
Edwards Motor Co. (Kerosene), Springfield, Mass.
Dunn Walter E., Ogdensburg, N. Y.
Emerson-Brantingham Co. ("E-B" Kerosene), Rockford, Ill.
Enterprise Engine Co. (Marine & Stationary), 290H 19th, San Francisco, Cal.
Enterprise Foundry Co. (Marine & Stationary), 20 Steuart, San Francisco, Cal.
Fairbanks, Morse & Co. ("Fairbanks-Morse" Type "Y" Crude Oil), 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Fairmont Railway Motors, Inc. (Gasoline & Kerosene), Fairmont, Minn.
Fay & Bowen Engine Co. (Kerosene), Geneva, N. Y.
Fernholtz Machinery Co. ("Universal" 10 to 75 H. P.), 2053 E 38th, Los Angeles, Cal.
See adv index at end of book
Foos Gas Engine Co. (Kerosene, 6 to 60 H. P.), 800 Monroe, Springfield, O.
Framerican Industrial Development Corp. (Diesel Type, Exp. & Imp.), 21 E 40th, New York
Franklin Machine Co. (Diesel), Providence, R. I. *See adv index at end of book*
Fuller & Johnson Mfg. Co. (Kerosene), Madison, Wis.
Fulton Iron Works Co. (Diesel), 1259 Delaware av, St. Louis, Mo.
GLOBE MARINE ENGINE CO. (also Gas & Gasoline), 15 Whitehall, New York
Gray Motor Co. (Kerosene), Detroit Terminal R. R. & Mack, Detroit, Mich.
GRAY & PRIOR MACHINE CO. (Marine. Kerosene), 96 Suffield, Hartford, Conn.
See adv index at end of book
Gulowsen-Grel Engine Co., 27th W & Commodore Way, Seattle, Wash.
Hicks Iron Works, 967 Howard, San Francisco, Cal.
Hoyer Engineering Co. (Kerosene), 231 Grove, Milwaukee, Wis.

Indiana Air Pump Co., Indiana Pythian bldg, Indianapolis, Ind.
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book

IR ENGINES

Oil, Gas and Steam

Ingersoll-Rand Type "PO" horizontal, single-cylinder, direct injection oil engines operating on the four-stroke cycle. Built in 50, 100 and 150 B.H.P. sizes.

Type "PR" vertical, three or more cylinder oil engines. Built in 105 to 1000 B.H.P. sizes.



Fuel injection is direct and positive without the use of compressed air. Ignition is by temperature of compression only and no hot bulb or plates are used. Cylinder barrels and heads are entirely water jacketed.

I-R single-cylinder horizontal gas engines. Built in 55 and 135 B.H.P. sizes.

Price-Rathbun vertical, multi-cylinder, natural and producer gas engines, built in 75 to 1400 B.H.P. sizes.

I-R steam engines are for steam pressures of 80 to 175 pounds in from 12 to 81 B.H.P. sizes.

Ingersoll-Rand

11 Broadway, New York City

International Harvester Company of America (Inc.), ("International"; 1 to 10 H. P.), Harvester bldg, Chicago, Ill.
Jacobson Gas Engine Co., Rensselaer, N. Y.
Johnston & Jennings Co. ("Loomis" 25 to 100 H. P.), Addison rd & N. Y. C. R. R., Cleveland, O.
Kahlenberg Bros. Co. ("Kahlenberg" Kerosene Marine, up to 75 H. P.), Two Rivers, Wis.
Krajewski-Pesant Corp., 227 Fulton, New York
Lackawanna Mfg. Co. ("Lackawanna," Petroleum), Ballston Spa, N. Y.
Lauson John Mfg. Co. (Kerosene & Distillate), New Holstein, Wis.
McDuff Wm. J., Lakeport, N. H.
McEwen Bros., Wellsville, N. Y.
McIntosh & Seymour Corp. ("Diesel" Type), Auburn, N. Y.
Midwest Engine Co. ("Diesel" 300 to 1000 H. P.), Indianapolis, Ind.
Minneapolis Steel & Machy. Co. (Kerosene, Gasoline), 2854 Minnehaha av, Minneapolis, Minn.
Mo. Engine Co. (Marine), St. Louis, Mo.
Muncie Oil Engine Co. (10 to 250 H. P.), Muncie, Ind.
National Steam Pump Co. (8 to 60 H. P.), Upper Sandusky, O.
New York Engine Co. (Diesel Type), 165 B'way, New York
Nordberg Mfg. Co. (50 H. P. & Up), Chicago & Oklahoma, Milwaukee, Wis. bldg, Pittsburgh, Pa.
Novo Engine Co. (Kerosene), Lansing, Mich.
Ottawa Mfg. Co., Ottawa, Kans.
Otto Gas Engine, 33d & Walnut, Phila., Pa.
Polo Machine Co., Polo, Ill.
Pohl Geo. D. Mfg. Co., Vernon, N. Y.
Power Mfg. Co. ("Primm" Crude Oil), Marion, O.
Rathbun-Jones Eng. Co., P. O. Box 856, Toledo, Ohio
Rawleigh W. T. Co. (Kerosene), Freeport, Ill.
Reid Jos. Gas Engine Co., Oil City, Pa.
Reliable Engine Co. (Kerosene), Portsmouth, O.
Remington Oil Engine Co. (6 to 110 H. P., Marine & Stationary), Stamford, Conn.
St. Mary's Oil Engine Co., St. Charles, Mo.
Schramm Chris. D. & Son, Inc., 709 Arch, Phila., Pa.
Southwark Foundry & Machine Co. (Diesel Type), 1128 S 4th, Phila., Pa.
See adv index at end of book
Standard Fuel Oil Engine Co., Willoughby, O.
Standard Gas Engine Co. ("Frisco Standard"), (Kerosene 5 to 175 H. P.), Oakland, Cal.
Standard Motor Const. Co. (Marine), 180 Whiton, Jersey City, N. J.
Standard Oil Engine Co. ("Semi-Diesel" Type), Bridgeport, Conn.
Superior Gas Engine Co., Springfield, Ohio
Toomey Frank, Inc. (Dealers), 127 N 3rd, Phila., Pa.
Turner Mfg. Co. (Kerosene), Port Washington, Wis.
Union Gas Engine Co., Dept. H, Kennedy & Boehmer, Oakland, Cal.
Union Tool Co., Torrance, Cal.
Venn-Severin Machine Co., 1317 W North, Chicago, Ill.
Victory Mfg. Co., Niles, Cal.
Wadsworth Mfg. Co. ("Sandow," Kerosene, Coal Oil, etc., 2 to 20 H. P.), 155 W Congress, Detroit, Mich.
Waterloo Gasoline Engine Co., 625 Miles, Waterloo, Ia.
West Chester Engine Co. (Kerosene), West Chester, Pa.
West Coast Gas Engine Co., San Diego, Cal.
Western Machy. Co., 900 N Main, Los Angeles, Cal.
Worthington Pump & Machy. Corp., 115 Broadway, New York

4388— Engines (Oil, Crude)

Allis-Chalmers Mfg. Co. (Diesel), Milwaukee, Wis. *See adv index at end of book*
Amer. Blakeslee Mfg. Co., Birmingham, Ala.
Anderson Foundry & Machine Wks. ("Anderson"), Anderson, Ind.
Boos Oil Engine Co., St. Marys, Ohio
Climax Engng. Co., Clinton, Iowa
Cramp Wm. & Sons Ship & Engine Bldg. Co., Richmond & Norris, Phila., Pa.
De La Vergne Machine Co., 926 E 138th, New York
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
See adv index at end of book
INGERSOLL-RAND CO., 11 B'way, New York *See adv index at end of book*
Johnston & Jennings Co. ("Loomis" 25 to 100 H.P.), Addison Rd & N. Y. C. R. R., Cleveland, O.
Midwest Engine Co. ("Diesel" 300 to 1000 H. P.), Indianapolis, Ind.
Muncie Oil Engine Co., Muncie, Ind.
NATIONAL TRANSIT PUMP & MACHINE CO. (5 to 500 H. P.), Oil City, Pa. *See adv index at end of book*
Rathbun-Jones Eng. Co., P. O. Box 856, Toledo, O.
Standard Gas Engine Co. ("Frisco Standard" 7½ to 300 H.P.), Dennison & King, Oakland, Cal.
Superior Gas Engine Co. ("Superior" 25 to 320 H. P.), Springfield, Ohio
Tips Engine Works, Austin, Tex.
Toomey Frank, Inc. (Dealers), 127 N 3rd, Phila., Pa.
Waterloo Gasoline Engine Co., 625 Miles, Waterloo, Ia.
Western Machinery Co., 900 N Main, Los Angeles, Cal.
Worthington Pump & Machy. Corp., 115 Broadway, New York

4389— Engines (Pile Driving)

See also Engines, Hoisting

Byers Machine Co., The, 242 Sycamore Ravenna, O. *See adv index at end of book*
Clyde Iron Works Sales Co., Duluth, Minn.
See adv index at end of book
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book

Engines (Pneumatic)

See Engines, Compressed Air; also Pneumatic Motors

4390—Engines (Poppet Valve)

Erie City Iron Works ("Lentz" Patent), Erie, Pa.
Hooven Owens, Rentschler Co. ("Hamilton" Uniflow), Hamilton, Ohio.
Midwest Engine Co., 19th & Martindale av, Indianapolis, Ind.
Nordberg Mfg. Co., Chicago & Oklahoma, Milwaukee, Wis.
Skinner Engine Co., Erie, Pa.
VILTER MFG. CO., 1046 Clinton, Milwaukee, Wis.
See adv index at end of book

4391—Engines (Portable, on Wheels)

Gas, Gasoline, Naphtha, Etc

See also Engines, Hoisting, Portable: Engines, Traction: Engine, Portable, Steam
AMES IRON WORKS ("Vim" Agricultural), 41 E 42nd, New York
Armstrong Mfg. Co., Waterloo, Ia.
Buckeye Mfg. Co. ("Lambert" Gas & Gasoline, 2 to 20 H. P.), Anderson, Ind.
Buffalo Pitts Co., 27 Carolina, Buffalo, N. Y.
Byers Machine Co., The, 242 Sycamore, Ravenna, O. *See adv index at end of book*
Case J. I. Threshing Machine Co., Racine, Wis.
Chambersburg Foundry & Machine Co., Chambersburg, O.
Charter Gas Engine Co. ("Charter" Gasoline), Sterling, Ill.
Dice Machine Co. (Gasoline), Anderson, Ind.
Doak Gas Engine Co., Oakland, Cal.
Fairbanks, Morse & Co. (Gasoline), 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Farquhar A. B. Co. (Ltd.) (4 to 50 H. P.), York, Pa.
Foos Gas Engine Co. (6 to 35 H. P.), 800 Monroe, Springfield, O.
Good Roads Machinery Co., Kennett Square, Pa.
Huber Mfg. Co., Marion, O.
International Harvester Company of America (Inc.), (International), Harvester bldg, Chicago, Ill.
Mead-Morrison Mfg. Co., Cor Prescott & Orleans, East Boston, Mass.
Messinger Mfg. Co., Tatamy, Pa.
Novo Engine Co., Lansing, Mich.
Salem Iron Works, Winston Salem, N. C.
Schramm Chris. D. & Son, Inc., 709 Arch, Phila., Pa.
Southern Engine & Boiler Mfg. Co., Jackson, Tenn.
Stover Mfg. & Engine Co. (Gasoline Single Rod), Freeport, Ill.
Thompson Plow & Engine Works (Gasoline), Beloit, Wis.
Tczer Engine Works, 609 Green, Columbia, S. C.
Union Gas Engine Co. (Gas), Dept. H, Kennedy & Boehmer, Oakland, Cal.
Woolery Machine Co., 2929 Como av, S E, Minneapolis, Minn.

4392—Engines (Portable, Steam)

AMES IRON WORKS ("Vim" 6 to 50 H.P.), 41 E 42nd, New York
Bay State Iron Works, Erie, Pa.
Byers Machine Co., The, 242 Sycamore, Ravenna, O. *See adv index at end of book*
Case J. L. Threshing Machine Co., Racine, Wis.
Clark Engine & Boiler Co. (3 to 90 H.P.), Kalamazoo, Mich.
Enterprise Co. (25 to 70 H. P.), Columbiana, O.
Frick Co., Dept H, Waynesboro, Pa.
Granger A. D. Co. (On Skids or Wheels), 17 Park row, New York
See adv index at end of book
Nagle Engine & Boiler Works, Erie, Pa.
Union Iron Works Co., 20th & Michigan, San Francisco Cal.

4393—Engines (Producer Gas)

Allis-Chalmers Mfg. Co. ("Allis"), Milwaukee, Wis. *See adv index at end of book*

4394— Engines (Pumping)

See also following headings

Allis-Chalmers Mfg. Co. (Steam), Milwaukee, Wis.
See adv index at end of book
American La France Fire Engine Co., Elmira, N. Y.
Climax Engng. Co., Clinton, Iowa
Continental Supply Co., Post-Dispatch bldg, St. Louis, Mo.
Ellicott Machine Corp., 1111 Bush, Baltimore, Md.
See adv index at end of book
Emerson-Brantingham Implement Co., H So Independence av, Rockford, Ill.
Fairbanks Morse & Co., 900 So Wabash av, Chicago, Ill.
See adv index at end of book
Fuller & Johnson Mfg. Co. ("F & J" for Town Use), 1342 E Washington, Madison, Wis.
Fulton Iron Works Co., 1259 Delaware av, St. Louis, Mo.
Hooven Owens, Rentschler Co., Hamilton, Ohio
Luitwieler Pumping Engine Co., 123 Ames, Rochester, N. Y.
Maxim Motor Co. (Combinations), Middleboro, Mass.
Midwest Engine Co., 19th & Martindale av, Indianapolis, Ind.
Morris Machine Works, Baldwinsville, N. Y.
Murray Iron Works Co., Burlington, Iowa
Seagrave Co., Columbus, O.
Standard Gas Engine Co. ("Frisco Standard" 7½ to 300 H.P.), Dennison & King, Oakland, Cal.
Union Gas Engine Co. (5 to 600 H. P.), Oakland, Cal.

4395—Engines (Pumping, Deep Well)

Ajax Iron Works (Oil), Corry, Pa.
Allis-Chalmers Mfg. Co. ("Allis" Steam), Milwaukee, Wis.
See adv index at end of book
American Steam Pump Co., Battle Creek, Mich.
American Well Works, Aurora, Ill.
See adv index at end of book
Armstrong Mfg. Co., Waterloo, Ia.
Bremen Mfg. Co. ("Bremen," "Caloric," Noiseless), Bremen, O.
Corcoran A. J., Inc., 745 Jersey av, Jersey City, N. J. *See adv index at end of book*
Cook August D., Lawrenceburg, Ind.
Domestic Eng. & Pump Co., Shippensburg, Pa.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Fuller & Johnson Mfg. Co., 1342 E Washington, Madison, Wis.
Gardner Governor Co., 23 Williams, Quincy, Ill.
Herron R. H. Co., 934 N. Alemeda, Los Angeles, Cal.
Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*

(Continued on following page)

Engines (Pumping, Deep Well)—Continued

KEYSTONE DRILLER CO., Beaver Falls, Pa. *See adv index at end of book*
Luitwieler Pumping Engine Co. (Gasoline, Electric, Steam & Belt Driven), Rochester, N. Y.
Novo Engine Co., Lansing, Mich.
Union Steam Pump Co., Battle Creek, Mich.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

4396—Engines (Pumping, Gas & Gasoline)

See also Engines, Gas & Gasoline

Advance Mfg. Co., Hamilton, O.
Allman Gas Engine & Machine Co., 461 Canal, New York
AMERICAN LA FRANCE FIRE ENGINE CO. (Fire), Elmira, N. Y.
American Wheel Works, Aurora, Ill.
Armstrong Mfg. Co., Waterloo, Ia.
Bremen Mfg. Co. ("Caloric"), Bremen, O.
Callahan W. P. Co., Dayton, O.
Challenge Co., Batavia, Ill.
Charter Gas Engine Co., Sterling, Ill.
Clay Engine Mfg. Co., 864 E 72nd, Cleveland, Ohio
Corcoran A. J., Inc., 745 Jersey av, Jersey City, N. J. *See adv index at end of book*
Doak Gas Engine Co., Oakland, Cal.
Dow Pump & Diesel Engine Co., Oak & Clement, Alameda, Cal.
Eau Claire Mfg. Co., Eau Claire, Wis.
Economy Pumping Machinery Co., 122 Curtis, Chicago, Ill.
Emerson-Brantingham Co. ("E-B"), Rockford, Ill.
Fairbanks, Morse & Co. (Type "Z," "Y," "Eclipse" & Oil), 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Foos Gas Engine Co., 800 Monroe, Springfield, O.
Fuller & Johnson Mfg. Co., 1342 E Washington, Madison, Wis.
Granger A. D. Co., 17 Park Row, New York
See adv index at end of book
Herron R. H. Co., 934 N Alameda St, Los Angeles, Cal.
International Harvester Co. of America (Inc.), ("International"), Harvester bldg, Chicago, Ill.
Jager Chas. J. Co., ("Mason-Jager"), 15 Custom House, Boston, Mass.
Kewanee Private Utilities Co., West Side, Kewanee, Ill.
Luitwieler Pumping Engine Co. ("Luitwieler," Non-Pulsating, Gasoline), Rochester, N. Y.
Lunt-Moss Co., 43 S Market, Boston, Mass.
McDuff Wm. J., Lakeport, N. H.
Marion Machine, Foundry & Supply Co., Marion, Ind.
Midwest Engine Co., 19th & Martindale av, Indianapolis, Ind.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Otto Gas Engine Works (Gas), 33d & Walnut, Phila., Pa.
Regal Gasoline Engine Co., Coldwater, Mich.
Schramm, Inc., West Chester, Pa.
Standard Gas Engine Co. ("Frisco Standard", 5 to 175 H. P.), Oakland, Cal.
Standard Pump & Engine Co., Akron, O.
STERLING ENGINE CO., 1210 Niagara, Buffalo, N. Y.
Stover Mfg. & Engine Co., Freeport, Ill.
Superior Gas Engine Co., Springfield, Ohio
Union Gas Engine Co. (5 to 600 H. P.), Oakland, Cal.
Van Nouhuys Machine Wks., Albany, N. Y.
Wadsworth Mfg. Co., 155 W Congress, Detroit, Mich.
Warner Elev. Mfg. Co. ("Warner"), Warner, Ill.
Waterloo Gasoline Engine Co., 625 Miles, Waterloo, Ia.
Weinman Pump Mfg. Co., 300 Spruce, Columbus, O.
Western Machinery Co., 900 N Main, Los Angeles, Cal.

4397—Engines (Pumping, High Duty)

Aldrich Pump Co., Foot of Pine, Allentown, Pa.
Allis-Chalmers Mfg. Co. ("Reynolds" Triple Expansion & Compound Horizontal & Vertical), Milwaukee, Wis.
See adv index at end of book
American Well Works, Aurora, Ill.
See adv index at end of book
Dow Pump & Diesel Engine Co., Oak & Clement, Alameda, Cal.
Dubois Iron Works, Dubois, Pa.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Hooven Owens, Rentschler Co., Hamilton, Ohio
Luitwieler Pumping Engine Co. ("Non-Pulsating"), Rochester, N. Y.
McGowan John H. Co., 2nd & Central av, Cincinnati, Ohio
Morris I. P. Co., Richmond & Norris, Phila., Pa.
Murray Iron Works Co., Central av & Washington, Burlington, Ia.
National Transit Pump & Machine Co., Oil City, Pa.
See adv index at end of book
Nordberg Mfg. Co., Chicago & Oklahoma, Milwaukee, Wis.
STERLING ENGINE CO., 1210 Niagara, Buffalo, N. Y.
Union Steam Pump Co., Battle Creek, Mich.
Wagener Steam Pump Co., Canton, O.
Weinman Pump Mfg. Co., 300 Spruce, Columbus, O
Worthington Pump & Machy. Corp., 115 Broadway, New York

4398—Engines (Pumping, Hot Air)

American Machine Co. ("Denney Improved Rider-Ericsson"), Newark, Del.
Bremen Mfg. Co. ("Bremen" Caloric Noiseless), Bremen, O.
Erwin & Co., 3736 Cottage Grove av, Chicago, Ill.
Rider-Ericsson Engine Co., Walden, N. Y.
Slocomb F. F. & Co. (Oscillating), 14th & Poplar, Wilmington, Del.

4399—Engines (Pumping, Hydraulic)

See also Hydraulic Rams

Allis-Chalmers Mfg. Co. ("Allis" Steam), Milwaukee, Wis.
See adv index at end of book
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
ELLICOTT MACHINE CORP., 1111 Bush, Baltimore, Md.
See adv index at end of book
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
National Transit Pump & Machine Co. ("Transit"), Oil City, Pa.
See adv index at end of book
Worthington Pump & Machy. Corp., 115 Broadway, New York

4400— Engines Pumping, Triple Expansion)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Ellicott Machine Corp., 1111 Bush, Baltimore, Md. *See adv index at end of book*
National Transit Pump & Machine Co., Oil City, Pa.
See adv index at end of book
Pusey & Jones, H, Poplar, Wilmington, Del.
Worthington Pump & Machy. Corp., 115 B'way, New York

4401— *Engines (Quarry)

Midwest Engine Co., 19th & Martindale av, Indianapolis, Ind.
MUNDY J. S. HOISTING ENGINE CO., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book
Treadwell Engineering Co., Easton, Pa.
See adv index at end of book

4402-3-4— Engines (Reversing)

See also Engines, Rolling Mill

Allis Chalmers Mfg. Co. ("Allis" Horizontal & Vertical), Milwaukee, Wis.
See adv index at end of book
Augustine Automatic Rotary Engine Co., Buffalo, N. Y.
Buckeye Engine Co., Salem, O.
Byers Machine Co. The, 242 Sycamore, Ravenna, O. *See adv index at end of book*
Houston, Stanwood & Gamble Co., 3d & Philadelphia, Cincinnati, O.
Lake Shore Engine Works (For Mine Use), Marquette, Mich.
Mackintosh-Hemphill Co. (Rolling Mill), 12 & Etna, Pittsburgh, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book

4405—Engines (Rolling Mill)

See also Rolling Mill Machinery

Allis Chalmers Mfg. Co. ("Allis" Steam), Milwaukee, Wis.
See adv index at end of book
Augustine Automatic Rotary Engine Co. (5 H. P. & Up), Buffalo, N. Y.
Cooper C. & G. Co., Mt. Vernon, O.
Hooven Owens Rentschler Co. ("Hamilton" Corliss), Hamilton, Ohio
Houston, Stanwood & Gamble Co., 3d & Philadelphia, Cincinnati, O.
Mackintosh-Hemphill Co., 12th & Etna, Pittsburgh, Pa.
MESTA MACHINE CO., Box 1124, Pittsburgh, Pa.
See adv index at end of book
Murray Iron Works Co. (Corliss), Central av & Washington, Burlington, Ia.
Newhold R. S. & Son Co., Norristown, Pa.
Nordberg Mfg. Co., Chicago & Oklahoma, Milwaukee, Wis.
Portland Co., Portland, Me.
St. Louis Iron & Machine Works, 126 Chouteau av, St. Louis, Mo.
SOUTHWARK FOUNDRY & MACHINE CO. (Steam), 1123 S 4th, Phila., Pa.
See adv index at end of book
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, O.

4406— Engines (Rotary)

Augustine Automatic Rotary Engine Co. ("Augustine" Automatic), Buffalo, N. Y.
Eagle-Macomber Motor Car Co., Sandusky, Ohio
Motsinger Rotary Engine Co., Fredonia, Pa.
Union Tool Co., Los Angeles, Cal.

4407-8—Engines (Self-Oiling)

Am. Blower Co., 6004 Russell, Detroit, Mich.
Houston, Stanwood & Gamble Co., 3d & Philadelphia, Cincinnati, O.

4409— Engines (Steam)

All other Lists of Engine Builders in this book are duplicates of this List, excepting Engines, Gas & Gasoline of various kinds, and Engines, Traction; Engines, Oil; Engines, Hot Air; Engines, Hoisting, & Locomotive Builders.

ALABAMA.

BIRMINGHAM—Birmingham Machine & Fdry. Co.
Chicago Pneumatic Tool Co., 1925 N 5th av *See adv index at end of book*
Continental Gin Co. (For Cotton Ginning Outfits)
Hardie-Tynes Mfg. Co. (Automatic & Throttling)
MONTGOMERY—Janney & Co.
SELMA—Union Iron Works Co.

ARKANSAS.

FORT SMITH—Ketcham Iron Co.
LITTLE ROCK—Crane Co., 515 E 2nd
See adv index at end of book

CALIFORNIA.

BERKELEY—Jackson Byron Iron Works (Cross Compound)
GRASS VALLEY—Taylor Foundry & Engineering Co.
LOS ANGELES—Chicago Pneumatic Tool Co., 307 E. 3rd
See adv index at end of book
Herron R. H. Co., 934 N. Alameda
Union Tool Co. (Single & Twin Cylinder)
OAKLAND—Crane Co., 346 9th
See adv index at end of book
SACRAMENTO—Crane Co., 1227 Front
See adv index at end of book
SAN FRANCISCO—Bethlehem Shipbuilding Corp., Ltd., 20th Michigan
Chicago Pneumatic Tool Co., 175 First
See adv index at end of book
Crane Co., 301 Brannan
See adv index at end of book
Evans C. H. & Co. (Marine Stern Wheels), 139H Fremont
Golden State & Miners' Iron Works, 249 1st
Hendy Joshua Iron Works (Automatic & Corliss), 75 Fremont
Herzog Electric & Engineering Co. ("Ohmen"), 172 Steuart
Main Iron Works, 16th & Daggett
Murray Bros. Machine Works, 233 Folsom
Ocean Shore & Iron Wks., 550 8th
Vulcan Iron Works, 1849 Kearny
TORRANCE—Union Tool Co. (Single & Twin Cylinder)

COLORADO.

DENVER—Chicago Pneumatic Tool Co.
See adv index at end of book
McFarlane Mfg. Co.
Stearns-Roger Mfg. Co., 1720 Calif.

CONNECTICUT.

BRIDGEPORT—American & British Mfg. Co. ("Corliss" or "Green Wheelock")
Coulter & McKenzie Machine Co. (Marine), 771 Water
NEW LONDON—New London Marine & Iron Works

DELAWARE.

WILMINGTON—Pusey & Jones Co. (Stationery)

FLORIDA.

JACKSONVILLE — Merrill Stevens Dry Dock & Repair Co., Dept. H

GEORGIA.

AUGUSTA—Lombard Iron Works & Supply Co.
COLUMBUS—PEKOR IRON WORKS (Piston Valve)
MACON—Schofield's J. S. Sons Co. (Balance Valves, Throttle Type)
Taylor Iron Works & Supply Co. (Balanced Valve), 1014 Broadway
NEWNAN—Cole R. D. Mfg. Co. (Plain Slide & Balance Valve)
SAVANNAH—Kehoe Iron Works (Jobbers)

ILLINOIS.

BELLEVILLE—Harrison Machine Works ("Jumbo")
CHICAGO — Allis-Chalmers Mfg. Co. ("Allis," Corliss), Peoples Gas bldg
See adv index at end of book
Chicago Pneumatic Tool Co., 572 W Randolph
See adv index at end of book
Chicago Ship Building Co. (Marine), 101st & Calumet River

Clyde Iron Works Sales Co., 11 S La Salle
See adv index at end of book
Creamery Package Mfg. Co. ("Little Giant"), 61 W Kinzie
Haberkamp Wm. Machine Works, 442 Wells
Jennings Pump & Dredge Co., 180 N Dearborn
New York Blower Co. (Side & Center Crank), Archer av. & Canal, Works: Bucyrus, O.
Wachs E. H. Co. (Vertical), 1525 Dayton
Westinghouse Electric & Mfg. Co. (of Pittsburgh, Pa.), Conway bldg
See adv index at end of book
GALENA—Westwick John & Son (2 to 20 H. P.)
GALESBURG—Frost Mfg. Co. (Automatic & Throttling, Side & Centre Crank)
JOLIET—Bates Machine & Tractor Co.
LITCHFIELD—Litchfield Foundry & Machine Co.
MATTOON—Chuse Engine & Mfg. Co. (Single Valve, 30 to 400 H. P., Four-Valve, 75 to 450 H. P.)
ROCKFORD—Crane Co., 636 Race
See adv index at end of book
Emerson-Brantinghane Co.
SPRINGFIELD—Ide A. L. & Sons ("Ideal," Automatic Self-Oiling, Simple Corliss Valve & Comp'd)
STREATOR—Graves L. L.

INDIANA.

ANGOLA—Angola Gas Engine Co.
BLUFFTON—Grimes Geo. W. Co.
BRAZIL—Crawford & McCrimmon Co.
EVANSVILLE—Holtz F. Co., 18 & 30 3rd av
INDIANAPOLIS—Chandler & Taylor Co. (Automatic Cut-Off, Plain Slide Valve, Tandem Compounds, Cross Compounds, Single Valve, Throttling, Simple, Self-Contained, Heavy Duty, Splash Oiling, High Speed, etc), 205 Addison & Big Four R. R.
Midwest Engine Co.
Sinker-Davis Co. ("Hoosier")
LA PORTE—Advance Rumley Co. ("Rumley" Poppet Valve), Madison & Lincoln Way
MARION—Marion Machine Foundry & Supply Co.

IOWA.

BURLINGTON—Murray Iron Works Co.
CLINTON—Climax Engng. Co.
DES MOINES—Wood Bros. Thresher Co.
OTTUMWA—Ottumwa Iron Works (Also Air)
SIOUX CITY—Crane Co., 223 Jackson
See adv index at end of book

KENTUCKY.

LEXINGTON—Lexington Engine & Boiler Works
LOUISVILLE—Vogt Henry Machine Co., Ltd.

LOUISIANA.

NEW ORLEANS—Chicago Pneumatic Tool Co., 853 Carondelet
See adv index at end of book
Clyde Iron Works Sales Co., 309 Magazine
See adv index at end of book
Dibert, Bancroft & Ross Co., Ltd., Tulane & Hagan av
Johnson Iron Works, Dry Dock & Ship Bldg. Co., Inc., Morgan & Sequin
Swoop Julian M. (Slide Valve), 913 Girod
SHREVEPORT—Henderson W. K. Iron Works & Supply Co.

MAINE.

BATH—Bath Iron Works, Ltd.
HALLOWELL—Fuller's G. Sons
MECHANIC FALLS—Penney J. W. & Sons Co. (Automatic, 3 to 35 H. P.)
PORTLAND—Adde & Co., 59 Kennebec
Orr & Jennings, 311 Fore

MARYLAND.

BALTIMORE—Baltimore Dry Dock & Ship Bldg. Co, ft. E Fort av
Cahill W. S. Co., Key Highway & Webster
Codd E. J. Co., 700 S Caroline
Marine Engine & Boiler Co. (Marine), Philpot & Point
CUMBERLAND—McKaig Merwin (10 to 100 H. P.)
SPARROWS POINT—Maryland Steel Co. (Marine, etc)

MASSACHUSETTS.

BOSTON—Atlantic Works (Marine), 80 Border, East Boston
Bertelsen & Petersen Engineering Co., 256 Border
Chicago Pneumatic Tool Co., 172 High
See adv index at end of book
Fitzhenry E. L. & Co., 46 Beverly
Lockwood Mfg. Co. (Marine), 65 Sumner, E. Boston
Mason Marcus & Co., Inc. ("Hercules-Nuevo"), 201 Devonshire
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park
Wood S. A. Machine Co. (Unit Car), 27 Domrell
BRIDGEWATER—Continental Gin Co.
FITCHBURG—Brown Engine & Machine Co. (Automatic, 650 H. P.)
Fitchburg Steam Engine Co. ("Fitchburg," Automatic, Simple & Compound Vertical, Horizontal & High Speed, 20 to 1,500 H. P.)
WORCESTER—Burlingame A. Co. (High Speed Automatic & Semi-Portable), 149 Commercial

MICHIGAN.

ALMA—Montigel J. M.
ALPENA—Kline Lewis T.
COMSTOCK—Peer Mfg. Co. ("Climax" Automatic High Speed, Self Contained Centre Crank)
DETROIT—American Blower Co. ("A. B. C."), 6004 Russell
Chicago Pneumatic Tool Co., 95 E Larned *See adv index at end of book*
Crane Co., 150 Randolph
See adv index at end of book
Detroit River Iron Works, 2655 E Atwater
Detroit Ship Building Co., ft Orleans
Fuller Co., 1131 Park av
Great Lakes Engineering Works, Real Est. Exch. bldg.
GRAND HAVEN—DAKE ENGINE CO.
GRAND RAPIDS—Crane Co., 56 Ellsworth av *See adv index at end of book*
HANCOCK—Portage Lake Foundry & Machine Co. (Stationary & Marine)
KALAMAZOO—Clark Engine & Boiler Co. (Horizontal & Vertical, up to 125 H. P.)
LAPEER—McDonald Wm. Sons
MARQUETTE—Lake Shore Engine Works Lucey Mfg. Corp. of Tenn. (Oil & Gas Well), Chattanango, Tenn. (Corliss Hoisting, etc)
SAGINAW—Bartlett A. F. & Co. (Corliss, Slide Valve & Hoisting, etc)
ST. JOHNS—Richmond & Holmes
ST. JOSEPH—Engberg Electric & Mechanical Works

MINNESOTA.

DULUTH—Clyde Iron Works Sales Co.
See adv index at end of book
National Iron Co. (Automatic & Corliss)
MANKATO—Mankato Mfg. Co.
MINNEAPOLIS—Chicago Pneumatic Tool Co., 5th av & 5th S
See adv index at end of book
Crane Co., 400 3rd av N
See adv index at end of book
ST. PAUL—Crane Co., 356 Broadway
See adv index at end of book

MISSISSIPPI.

CORINTH—Adams W. T. Machine Co.

MISSOURI.

JOPLIN—Chicago Pneumatic Tool Co., 308 Wall *See adv index at end of book*
ST. LOUIS—Chicago Pneumatic Tool Co., 813 Hempstead
See adv index at end of book
Fritz Geo. J. Foundry & Machine Co., 2018 S 3rd
Fulton Iron Works Co., 1259 Delaware av

MONTANA.

GREAT FALLS—Crane Co., Great Northern Ry. Yds.
See adv index at end of book

NEBRASKA.

FREMONT—Fremont Foundry & Machine Co.

NEW HAMPSHIRE.

LANCASTER—Thompson Mfg. Co.
NASHUA—Rollins Engine Co. (Automatic Cut Off, 20 to 600 H. P.)

NEW JERSEY.

BRIDGETON—Cox & Sons Co.
CAMDEN—New York Shipbuilding Co.
HOBOKEN—Fletcher W. & A. Co.
JERSEY CITY—Smith Theo. & Sons Co., ft. Essex
Smith Theo. & Sons Co., ft Essex
NEWARK—Hewes & Phillips Iron Works, 8 Orange
Skinner & Leary Co., 109 Mechanic
Watts-Campbell Co. (Improved Corliss), 298 Ogden
NEW BRUNSWICK—Brunswick Refrigerating Co.
PATERSON—Sipp Machine Co. (Miniature & Toy Engines)
PERTH AMBOY—Perth Amboy Dry Dock Co. (Marine or Stationary)
Schantz & Eckert (Marine, etc)
TRENTON—Mackenzie's Duncan Sons Co.
WEST CARTERET—Wheeler Condenser & Engr. Co. ("Wheeler")

NEW YORK.

ALBANY—Skinner & Arnold (Marine & Stationary)
AUBURN—Quick & Thomas Co.
BALDWINSVILLE—Morris Machine Wks (1½ to 1000 H. P.)
BUFFALO—Augustine Automatic Rotary Engine Co. (5 H. P. & Up)
Buffalo Forge Co. (High Speed Automatic), 490 Broadway
Buffalo Pitts Co., 27 Carolina
Frontier Engine Works, 9 Perry
CLYDE—Wood S. W. Engine Co.
FRANKFORT—Acme Road Machy. Co. (Stationary & Portable)
MEDINA—Erie Pump & Engine Works ("Erie"), 149 Glenwood av
See adv index at end of book

NEW YORK CITY.

Borough of Brooklyn

BROOKLYN—Pioneer Iron Works, 149 Pioneer

Boroughs of Manhattan and Bronx.

NEW YORK—Allis-Chalmers Mfg. Co. ("Allis," Corliss, Blowing, etc.), 50 Church
See adv index at end of book
AMES IRON WORKS ("Vim Regal" Automatic & Throttling, "Ames Una-Flow" Automatic High Speed, 10 to 600 H. P.), 41 E 42d
BEGGS JAMES & CO., 30 Warren, New York
See adv index at end of book
Buckeye Engine Co., 39 Cortlandt. (See Salem, O.)
Chicago Pneumatic Tool Co., 6 E 44th
See adv index at end of book
Clyde Iron Works Sales Co., 141 Centre
See adv index at end of book
Duncan Stewart & Co. Ltd., Export Dept., 43 Cedar
Gas Engine & Power Co., & Chas. L. Seabury & Co., Morris Heights
GODFREY KEELER CO. (Horizontal), 70 Warren
Granger A. D. Co. (automatic cut off, automatic high speed, direct connected dynamo, center crank, double cylinder, & horizontal), 17 Park Row, New York
See adv index at end of book
Hooven, Owens, Rentschler Co. ("Hamilton" Corliss & Medium Speed 4-Valve), 39 Cortlandt
Howard & Morse ("Solano" High Speed), 45 Fulton
Quintard Iron Works Co. (Marine), 40 Wall
Sturtevant B. F. Co. ("Sturtevant"), 52 Vanderbilt av, Works: Hyde Park, Boston, Mass.
Sullivan John W. Co. (Marine), 827 E 9th
Westinghouse Electric & Mfg. Co., The, 165 B'way; Works: East Pittsburgh, Pa.
See adv index at end of book

Borough of Queens.

LONG ISLAND CITY—L. I. Machine & Marine Construction Co., ft of East av
(End of New York City)
NUNDA—Foot Co.
OLEAN—Clark Brothers Co.
OSWEGO—Kingsford Foundry & Machine Works (Marine Una-Flow)
TROY—Knowlson & Kelley Co.
VERNON—Pohl Geo. D. Mfg. Co.
WELLSVILLE—Howden J. & Co.

NORTH CAROLINA.

CHARLOTTE — Liddell Co. ("Liddell Chambers" "Liddell-Tompkins" Balanced Valve & Plain Side Valve)
Mecklenburg Iron Works
GREENSBORO—Sergeant Mfg. Co.
WINSTON-SALEM—Crawford Mill Supply Co. (Dealers)
Salem Iron Works (Centre Crank)

NORTH DAKOTA

FARGO—Crane Co., 636 Northern Pacific av *See adv index at end of book*

OHIO.

AKRON—Star Drilling Machine Co. (Upright)
Wellman-Seaver-Morgan Co. (Automatic, Corliss, Hoisting, etc)
BUCYRUS—New York Blower Co. (Side & Center Crank) (See Chicago, Ill.)
CINCINNATI — Chicago Pneumatic Tool Co., Pearl & Vine
See adv index at end of book
Houston Stanwood & Gamble Co. (Automatic), 3d & Philadelphia
Randle Machinery Co., C. H. & D. R. R. & Powers
Steigeri L. Co., Logan & Elder
CLEVELAND—American Ship Building Co., ft of W. 54th
Chicago Pneumatic Tool Co., 109 St. Clair av N E
See adv index at end of book
Lord Bowler Co.
Wellman-Seaver-Morgan Co.
COLUMBIANA—Enterprise Co. (Automatic, 25 to 200 H. P.) (Center Crank, 25 to 45 H. P.)
DAYTON—Brownell Co. (Automatic & Slide Valve)
Dayton Engine Works
HAMILTON—Hooven Owens, Rentschler Co. ("Hamilton" Corliss & Medium Speed 4 Valve)
LIMA—Crane Co., 207 S Central av
See adv index at end of book
Golley & Finley Iron Works
MARIETTA—Pattin Bros. Co.
MARION—Huber Mfg. Co. (Traction & Portable, 16 to 30 H. P.)
MOUNT VERNON—Cooper C. & G. Co. ("Corliss," "Rolling Mill")

(Continued on following page)

Engines (Steam)—Continued

OHIO—Continued
NEWARK—Scheidler Machine Works Co.
POMEROY—Pomeroy Machine Co.
SALEM—Buckeye Engine Co. (Automatic; Simple & Compound, Horizontal & Vertical, Direct Connected or Belted, 25 H. P. Up)
SPRINGFIELD—Kelly O. S. Co.
Leffel James & Co. ("Leffel" Automatic, 10 to 50 H. P., also Throttling), East st
Trump Mfg. Co. (8 to 20 H. P.)
TOLEDO—Toledo Foundry & Machine Co
Toledo Ship Building Co.
YOUNGSTOWN—United Engineering & Foundry Co.
Youngstown Sheet & Tube Co. (The)
ZANESVILLE—Griffith & Wedge Co.

OREGON.

ALBANY—Albany Iron Works
PORTLAND—Portland Iron Works, 495 Northrup
Willamette Iron & Steel Works, Ft. of Front

PENNSYLVANIA.

BETHLEHEM—Bethlehem Shipbuilding Corporation, Ltd.
BRADDOCK—Erie Ball Engine Co. (Corliss, Single Valve, Variable Speed Types)
BRADFORD—Bovaird & Co.
Bovaird & Seyfang Mfg. Co.
BUTLER—Butler Engine & Foundry Co. (Oil Country Type)
CONNELLSVILLE—Connellsville Machine & Car Supply Co.
CORRY—Ajax Iron Works
DANVILLE—Danville Iron & Steel Co.
ERIE—Bay State Iron Works (Stationary & Marine)
Erie City Iron Works ("Lenz" Patent Automatic)
Erie Engine Works (Automatic Cut-off, etc)
Nagle Engine & Boiler Works (6 to 130 H. P.)
Skinner Engine Co. (50 to 750 H. P.)
HAMBURG—Snell John H. & Sons
HARRISBURG—Harrisburg Fdry. & Mach. Wks.
KENNETT SQUARE—American Road Machinery Co.
LEBANON—Weimer Machine Works Co
MAHANOY CITY—Grant Iron Works
NORRISTOWN—Newbold R. S. & Son Co. (Slide Valve)
OIL CITY—Oil Well Supply Co.
PHILADELPHIA—Badenhausen Co., 1429 Chestnut
Baizley Jno. Iron Works, 514 S Delaware av
Chicago Pneumatic Tool Co., 1740 Market *See adv index at end of book*
Cox & Sons Co., 5th & Chestnut
Cramp Wm. & Sons Ship & Engine Bldg. Co. (Marine), Richmond & Norris
Toomey Frank Inc. (Dealers), 127 N 3rd
PITTSBURGH—Carlin John H. Machine Co.
Chicago Pneumatic Tool Co., 12 Wood *See adv index at end of book*
Combination Engine Co., 3148 Penn av
Mackintosh-Hemphill Co. (Heavy Rolling Mills, etc.), 12 & Etna
Mesta Machine Co., Box 1124 *See adv index at end of book*
Milholland J. & J. B. Co. (Hoisting, Hauling, etc), 714 5th av
Oil Well Supply Co., 215 Water
Reading Iron Co. (Heavy), Baer bldg
Rees Jas. & Sons Co., 18 4th
United Engineering & Foundry Co., Farmers Bk. bldg
READING—Orr & Sembower
Reading Iron Co. (Heavy), Baer bldg
RIDGWAY—Ridgway Dynamo & Eng. Co.
SCRANTON—Finch Mfg. Co.
STROUDSBURG—Stroudsburg Engine Wks
TATAMY—Messinger Mfg. Co. (Automatic 3 to 25 H. P.)
TITUSVILLE—Titusville Iron Co.
Titusville Machine & Foundry Co.
TROY—Troy Engine & Machine Co. (Jno. A. Parsons, Prop.)
TYRONE—Stine J. C. Co. (Haulage, etc)
WAYNESBORO—Emerson Brantingham Co. (Portable)
Frick Co. (Traction, Portable & Stationary, Dept. H
WILLIAMSPORT—Rothfuss-Howard Iron Works
YORK—Farquhar A. B. Co. (Ltd.) (Centre Crank)
Hench & Dromgold Co.
Motter's Geo. F. Sons

RHODE ISLAND.

BRISTOL—Herreshoff Mfg. Co. (Marine)
PROVIDENCE—Cruickshank Engine Co., 286 Dyer
Excelsior Steam Engine & Machine Co., 32 Friendship
FRANKLIN MACHINE CO. ("Harris-Corliss," "George H. Corliss," & "Green-Wheelock" Repairing Specialty) *See adv index at end of book*
Fuller Iron Works, 40 Tockwotton
Providence Engineering Corp. ("Rice" & "Sargent," Corliss Type), 521 S Main

SOUTH CAROLINA.

ANDERSON—Anderson Machine & Foundry Co.
CHARLESTON—Charleston Dry Dock Machine Co.
COLUMBIA—Gibbes Machinery Co.
Tozer Engine Works

SOUTH DAKOTA.

ABERDEEN—Crane Co., 324 Railroad av S E *See adv index at end of book*

TENNESSEE.

CHATTANOOGA—Casey-Hedges Co.
Lookout Boiler Mfg. Co.
Wheland Co. (Centre & Side Crank), W Side & 27th
JACKSON—Southern Engine & Boiler Mfg. Co. (Corliss Slide Valve & Center & Side Crank)
KNOXVILLE—Crane Co., 521 W Jackson av *See adv index at end of book*
MEMPHIS—Ellis Wm. C. & Sons Iron Works, 245 S Front

TEXAS.

CORSICANA—American Well & Prospecting Co.
EL PASO—Chicago Pneumatic Tool Co., 303 San Francisco *See adv index at end of book*
FORT WORTH—Van Zandt Iron Works
GALVESTON—McDonough Iron Works
HOUSTON—Chicago Pneumatic Tool Co., 601 Carter bldg *See adv index at end of book*
SHERMAN—Washington Iron Works
TEXARKANA—De Marce Mrs. A.

UTAH.

SALT LAKE CITY—Chicago Pneumatic Tool Co., 117 W. 2nd S. *See adv index at end of book*
Crane Co., 307 W 2nd S *See adv index at end of book*
Salt Lake Iron & Steel Co.

VIRGINIA.

ALEXANDRIA—Aitcheson J. & H.
BERKELEY—Old Dominion Marine Railway Corp'n
NEWPORT NEWS—Newport News Ship Building & Dry Dock Co. (Marine)
RICHMOND—Chicago Pneumatic Tool Co., 1004 Mutual bldg *See adv index at end of book*

WASHINGTON.

EVERETT—Sumner Iron Wks.
SEATTLE—Chicago Pneumatic Tool Co., 119 Jackson *See adv index at end of book*
Crane Co., 419 2nd av S *See adv index at end of book*
Northwestern Iron Works (Marine)
Puget Sound Machinery Depot, 318 1st Av. So.
Sumner Iron Wks., 206 S 1st
SPOKANE—Crane Co., 126 S Post *See adv index at end of book*
Union Iron Works
TACOMA—Puget Sound Iron & Steel Works

WEST VIRGINIA.

CLARKSBURG—Osborn's J. F. Sons
PARKERSBURG — Parkersburg Machine Co. (For Oil Country)

WISCONSIN.

EAU CLAIRE—Phoenix Mfg. Co. (Heavy Duty, Rocking Valve Slide)
MANITOWOC—Manitowoc Shipbuilding Co (Marine)
Richards H. C.
MILWAUKEE—Allis-Chalmers Mfg. Co ("Reynolds," "Reliance," "Allis") *See adv index at end of book*
Filer & Stowell Co. (Rocking Valve, etc.)
Nordberg Mfg. Co. (Corliss, Blowing, Hoisting, Reversing, etc), Chicago Oklahoma
VILTER MFG. CO. (Corliss & Slide Valve), 1046 Clinton *See adv index at end of book*
RHINELANDER—Rhinelander Iron Co.
SHEBOYGAN—Optenberg Iron Works
SUPERIOR—Superior Ship Building Co. (Marine "Jumbo")

Engines (Steam Turbine)

See Turbines, Steam

4410-11— Engines (Steering)

American Engineering Co., Aramingo & Cumberland, Philadelphia, Pa.
American Hoist & Derrick Co. (Ship), St Paul, Minn.
Bethlehem Shipbuilding Corporation, Ltd., (Steam), Bethlehem, Pa.
Detroit Shipbuilding Co., Ft. Orleans, Detroit, Mich.
Elmes Chas. F. Engineering Works, Cor Fulton & Sangamon, Chicago, Ill. *See adv index at end of book*
Flory S. Mfg. Co., Bangor, Pa. *See adv index at end of book*
Lidgerwood Mfg. Co., 96 Liberty, New York *See adv index at end of book*
Markey Machinery Co., 85 Horton, Seattle, Wash.
Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J. *See adv index at end of book*
Staten Island Shipbuilding Co., 3075H Richmond ter, Mariners Harbor, Staten Island, N. Y.

4412— Engines (Swinging)

See also Engines, Hoisting

CLYDE IRON WORKS SALES CO., Duluth, Minn. *See adv index at end of book*
DAKE ENGINE CO. (Derrick Swingers), Grand Haven, Mich. *See adv index at end of book*
Lidgerwood Mfg. Co. (For Swinging Derricks), 96 Liberty, New York
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.
Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J. *See adv index at end of book*
National Iron Co., Duluth, Minn.
Novo Engine Co., Lansing, Mich.
Stroudsburg Engine Wks., Stroudsburg, Pa.
Superior Iron Works Co., Superior, Wis.

4413—Engines (Traction, Gasoline)

Advance Mfg. Co. ("Hamilton Advance"), Hamilton, O.
Advance Rumley Co. ("Hoosier"), Madison & Lincoln Way, La Porte, Ind.
Allis-Chalmers Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
Avery Co. ("Avery"), Peoria, Ill.
Badger Gas & Gasoline Engine Co., Kansas City, Kan.
Bates Tractor Co. ("Bates"), Lansing, Mich.
Bauroth Bros., Springfield, O.
Beeman Tractor Co. ("Beeman"), 5th & 38th av N E, Minneapolis, Minn.
Best C. L. Tractor Co., H Davis, San Leandro, Cal.
Buckeye Mfg. Co. ("Lambert," 10-15 & 25 H P), Anderson, Ind.
Buffalo-Pitts Co., 27 Carolina, Buffalo, N. Y.
Bullock Tractor Co. ("Creeping Grip"), 1801 Diversey blvd, Chicago, Ill.
Case J. I. Threshing Machine Co., ("Case") Racine, Wis.
Chambersburg Foundry & Machine Co., Chambersburg, Pa.
Clay Engine Mfg. Co., 864 E 72nd, Cleveland, Ohio
Climax Engng. Co., Clinton, Iowa
Corn Belt Tractor Co. ("Corn Belt"), 2701 Univ. av S E, Minneapolis, Minn.
Cushman Motor Works, Lincoln, Neb.
Dauch Mfg Co. ("Sandusky"), Sandusky, Ohio
Dayton - Dowd Co. ("Dayton - Dowd"), Quincy, Ill. *See adv index at end of book*
Denning Tractor Co. ("Denning"), Cedar Rapids, Ia.
Diamond Iron Works ("Diamond" Gas), 2d & 18th av, N Minneapolis, Minn.
Doman H. C. Co., Oshkosh, Wis.
Eagle Mfg. Co. (Gas "Eagle"), Appleton, Wis.
ELECTRIC WHEEL CO., Station D, Quincy, Ill. *See adv index at end of book*
Elliott G. W. & Co. ("Dakota"), De Smet, S. Dak.
Emerson - Brantingham Co. ("E - B." "Reeves"), Rockford, Ill.
Enterprise Machinery Co., 1600-8th, Minneapolis, Minn.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago *See adv index at end of book*
Fairmont Railway Motors, Inc. (Farm Tractor), Fairmont, Minn.
Famous Mfg. Co. ("Champion"), East Chicago, Ind.
Farquhar A. B. Co. Ltd. ("Farquhar"), York, Pa.
Galion Iron Works & Mfg. Co., Galion, O.
Gray Tractor Co. ("Gray"), 30th av, S E. & G. N., Minneapolis, Minn.
Hart-Parr Co. ("Hart-Parr," "Little Devil," "Oil King," "Old Reliable," "Steel King"), Charles City, Ia.
Heer Engine Co. ("Heer"), Portsmouth, O.
Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.
Hoke Tractor Co. ("Hoke"), South Bend, Ind.
Holmes Tractor Co. ("Holmes Little Giant"), Port Clinton, O.
Holt Mfg. Co. (Caterpillar Type), Stockton, Cal.
Huber Mfg. Co. ("Huber Light 4"), Marion, O.
Hume Mfg Co. ("Hume Junior"), Hume, Ill.
Joliet Oil Tractor Co. (Bates Steel Mule), Joliet, Ill.
Kansas City Hay Press Co. (10 to 40 H P), Foot of 4th St. Viaduct, Kansas City, Mo.
Knox Motors Co. ("Knox"), Springfield Mass.
Lauson John Mfg. Co. ("Lauson"), New Holstein, Wis.
Lawter Tractor Co. ("Lawter"), St. Marys, Ohio
Le Roi Co., Mitchell & 60th av, Milwaukee, Wis.

Lion Tractor Co. ("Lion"), Sec. Bk. bldg, Minneapolis, Minn.
Lycoming Motors Corp., Williamsport, Pa.
Midwest Engine Co., 19th & Martindale av, Indianapolis, Ind.
Minneapolis Steel & Machy. Co., 2854 Minnehaha av, Minneapolis, Minn.
Minneapolis Threshing Machine Co., Hopkins, Minneapolis, Minn.
Moline Plow Co. ("Moline Universal"), Moline, Ill.
Monarch Tractor Co. ("Neverslip"), Watertown, Wis.
Ohio Mfg. Co. ("Whitney" Tractors), Upper Sandusky, O.
Orchard Machy. Mfg. Co., Gasport, N. Y.
Peoria Tractor Co. ("Peoria"), Peoria, Ill.
Phoenix Mfg. Co., Eau Claire, Wis.
Pioneer Tractor Mfg. Co. ("Pioneer"), Winona, Minn.
Pittsburgh Model Engine Co. (4, 6 & 8 Cylinder Vertical), Lexington & McPherson, Pittsburgh, Pa.
Price G. W. Pump & Engine Co., 1350 Folsom, San Francisco, Cal.
Reliable Engine Co., Portsmouth, O.
Rock Island Plow Co. ("Heider"), Rock Island, Ill.
Russell & Co., Massillon, O.
St. Paul Machinery Mfg. Co. ("St. Paul"), Como & Marion, St. Paul, Minn.
Shirk P. E., Blue Ball, Pa.
Stearns Motor Mfg. Co. ("Tile"), Ludington, Mich.
Sterling Engine Co., 1210 Niagara, Buffalo, N. Y.
Sweeney Tractor Co. ("Sweeney's Iron Horse"), Kansas City, Mo.
Transport Tractor Co., 801 Vernon av, Long Island City, N. Y.
Towmotor Co., 1226 E 152nd, Cleveland, Ohio
Wallis Tractor Co. ("Wallis," "Cub" & "Bear"), Racine, Wis.
Waterloo Gasoline Engine Co., ("Waterloo Boy"), 625 Miles, Waterloo, Ia.
Weber & Damme Wagon Co. ("Parrett," all Purposes), 1621 Broadway, St. Louis, Mo.
Yuba Mfg. Co., Marysville, Cal., & 433 California, San Francisco, Cal.

4413a—Engines (Traction, Kerosene)

Advance-Rumely Co. ("Oil-Pull" 15 to 20 h. p.). La Porte, Ind.
Avery B. F. & Sons ("Louisville-Avery"), Louisville, Ky.
Avery Co., Peoria, Ill.
Bates Tractor Co., Lansing, Mich.
Case J. I. Threshing Machine Co., ("Case") Racine, Wis.
Clay Engine Mfg. Co., 864 E 72nd, Cleveland, Ohio
Cleveland Tractor Co. ("Cleveland"), Euclid & Lamb av, Cleveland, O.
Climax Engineering Co. ("Climax"), 1801 S 4th, Clinton, Iowa
Dayton-Dowd Co. ("Dayton Dowd"), Quincy, Ill.
See adv index at end of book
Doman H. C. Co., Oshkosh, Wis.
Emerson-Brantingham Co. ("E-B), Rockford, Ill.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Frick Co. ("Frick 12-25"), Waynesboro, Pa.
Hart-Parr Co., Charles City, Ia.
Holt Mfg. Co. (Caterpillar Type), Stockton, Cal.
Joliet Oil Tractor Co., Joliet, Ill.
Kinnard & Sons Mfg. Co. ("Flour City"), **44th av N & Bryant, Minneapolis,** Minn.
La Crosse Tractor Co. ("La Crosse"), La Crosse, Wis.
Minneapolis Steel & Machy Co., 2854 Minnehaha av, Minneapolis, Minn.
Ohio Mfg. Co., Upper Sandusky, Ohio
Peoria Tractor Co. ("Peoria"), Peoria, Ill.
Pittsburgh Model Engine Co. (4, 6 & 8 Cylinder Vertical), Lexington & McPherson, Pittsburgh, Pa.
Wadsworth Mfg. Co. ("Wadsworth" Light), 155 W Congress, Detroit, Mich.
Waterloo Gasoline Engine Co. ("Waterloo Boy"), Waterloo, Ia.

4414—Engines (Traction, Steam)

CALIFORNIA.

STOCKTON—Holt Mfg. Co.

ILLINOIS.

BELLEVILLE—Harrison Machine Works ("Jumbo")
PEORIA—Holt Mfg. Co.
ROCKFORD—Emerson Brantingham Co ("Reeves" Compound)

INDIANA.

LA PORTE—Advance Rumley Co. ("Advance," "Gear-Scott," "Rumley"), Madison & Lincoln Way
MOUNT VERNON—Keck-Gonnermann Co.

IOWA.

CARROLL—Heider Mfg. Co.
CHARLES CITY—Hart-Parr Co (Oil Gasoline & Kerosene)
DES MOINES—Wood Bros. Thresher Co.
WATERLOO—Waterloo Gasoline Engine Co.

MICHIGAN.

BATTLE CREEK—Nichols & Shepard Co.
LANSING—Olds Motor Works
PORT HURON—Port Huron Engine & Thresher Co. ("Port Huron" Simple & Compound)

MINNESOTA.

FAIRMONT—Fairmont Railway Motors, Inc. (Farm Tractors)
HOPKINS—Minneapolis Threshing Machine Co.
MINNEAPOLIS—Minneapolis Threshing Machine Co., Hopkins

MISSOURI.

KANSAS CITY—Kansas City Hay Press Co., Foot of 4th St Viaduct

NEW YORK.

BUFFALO—Buffalo Pitts Co., 27 Carolina
CLYDE—Wood S. W. Engine Co.
FRANKFORT—Acme Road Machy. Co
SCHENECTADY—Westinghouse Co.

OHIO.

MARION—Huber Mfg. Co.
MASSILLON—Russell & Co. ("Boss," "Russell")
NEWARK—McNamar Julius J. P. Scheidler Machine Works Co. (10 to 14 H. P.)
SPRINGFIELD—Kelly O. S. Co.
SWANTON—Baker A. D. Co. ("Baker" Special Contractors' Engines)

PENNSYLVANIA.

KENNETT SQUARE—American Road Machinery Co.
TATAMY—Messinger Mfg. Co.
WAYNESBORO—Frick Co. ("Eclipse," Wood & Coal)
YORK—Farquhar A. B. Co., Ltd. (Single & Double Cylinder & "Farquhar")

WISCONSIN.

RACINE—Case J. I. Threshing Machine Co. ("Case")

4415—Engines (Traction, Straw Burning)

Advance Rumley Co. ("Advance," "Gear Scott," "Rumely"), Madison & Lincoln Way, La Porte, Ind.
Am. Blower Co. (Enclosed Self Oiling), 6004 Russell, Detroit, Mich.
Buffalo Pitts Co. ("Buffalo Pitts"), 27 Carolina, Buffalo, N. Y.
Case J. I. Threshing Machine Co. ("Case"), Racine, Wis.
Huber Mfg. Co. ("New Huber"), Marion, O.
Minneapolis Threshing Machine Co. ("Minneapolis"), 226 N 2d, Hopkins, Minn.
Nichols & Shepard Co. ("Nichols & Shephard"), Battle Creek, Mich.
Russell & Co. ("Massillon"), Massillon, O.
Wood Bros. Thresher Co. ("Wood Bros."), Des Moines, Ia.

4416—Engines (Unaflow Type)

AMES IRON WORKS ("Ames"), 41 E 42nd, New York
Chicago Pneumatic Tool Co., 6 E 44th, New York *See adv index at end of book*
Filer & Stowell Co., 219 Beecher, Milwaukee, Wis.
Harrisburg Fdry. & Mach. Wks., Harrisburg, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book

Mesta Machine Company
Pittsburgh, Pa., U. S. A.

4417— Engines (Vertical)

See also Engines, Steam

CALIFORNIA.

OAKLAND—Union Gas Engine Co. (Gas), Kennedy & Boehmer

ILLINOIS.

CHICAGO—Jennings Pump & Dredge Co., 180 N Dearborn
New York Blower Co., Archer av & Canal, Works: Bucyrus, O.
JOLIET—Bates Machine Co. (Automatic High Speed)

IOWA.

BURLINGTON—Murray Iron Works Co., Canal. Works: Bucyrus, O.

MASSACHUSETTS.

BOSTON—Sturtevant B. F. Co., 15 Damon Hyde Park
FITCHBURG—Fitchburg Steam Engine Co. (20 to 400 H P)

MICHIGAN.

ALMA—Montigel J. M.
COMSTOCK—Peer Mfg. Co. ("Climax" Automatic)
DETROIT—American Blower Co. (Enclosed Self-Oiling), 6004 Russell
Great Lakes Engineering Works (Slide Crank, Marine, etc), Real Est. Exch. bldg.
KALAMAZOO—Clark Engine & Boiler Co. (Horizontal & Vertical, Up to 125 H P)
Dutton C. H. Co. (1 to 16 h. p. "Jewel")
LANSING—Novo Engine Co.

MISSOURI.

ST. LOUIS—Fritz Geo. J. Foundry & Machine Co., 2018 S 3d

NEW JERSEY.

WEST CARTERET—Wheeler Condenser & Engrg. Co. ("Wheeler")

NEW YORK.

BUFFALO—Sterling Engine Co., 1210 Niagara
MEDINA—**ERIE PUMP & ENGINE WORKS, INC.,** 141 Glenwood av
See adv index at end of book

NEW YORK CITY.

Borough of Brooklyn

BROOKLYN—Pioneer Iron Works, 149 Pioneer

Boroughs of Manhattan and Bronx.

NEW YORK—Buckeye Engine Co. (of Salem, O.) ("Ingeco," Gas & Gasoline), 39 Cortlandt
GODFREY-KEELER CO., 70 Warren
Granger A. D. Co., 17 Park Row
See adv index at end of book
(End of New York City)

OHIO.

BUCYRUS—New York Blower Co. (See Chicago, Ill.)
CLEVELAND—Buckeye Engine Co. (of Salem, O.), New England bldg
RAVENNA—Byers Machine Co. The, 242 Sycamore
See adv index at end of book
SPRINGFIELD—Leffel James & Co. ("Leffel"), (3 to 7 H. P.), East st
TOLEDO—Toledo Ship Building Co.

PENNSYLVANIA.

ERIE—Nagle Engine & Boiler Works
READING—Orr & Sembower (Also Horizontal)
TATAMY—Messinger Mfg. Co.
YORK—Farquhar A. B. Co. (Ltd.)

RHODE ISLAND.

PROVIDENCE—Cruickshank Engine Co. (2 to 35 H P), 286 Dyer

WISCONSIN.

SHEBOYGAN—Optenberg Iron Works

4418a—Engines (Waterworks, Pumping)

Allis-Chalmers Mfg. Co. (Steam), Milwaukee, Wis.
See adv index at end of book

4418—Engines (Washing, Paper Mill)

Clark H. C. & Son Machine Co., Lee, Mass
Dillon Machine Co., Lawrence, Mass.
Dilts Machine Works (Inc.), Fulton, N. Y
Holyoke Machine Co., Holyoke, Mass.
Horne J. H. & Sons Co., Lawrence, Mass
Jolly J. & U. Inc., Holyoke, Mass.
Mills Machine Co., Lawrence, Mass.
Noble & Wood Machine Co., Hoosick Falls, N. Y.
Valley Iron Works Co., Appleton, Wis.

4419— Engines (Winding)

Cooper C. & G. Co., Mt. Vernon, O.
Hendy Joshua Iron Works (Air, Electric Hydraulic & Steam Driven), 75 Fremont, San Francisco, Cal.
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
Toledo Ship Building Co. (Also Mooring) Toledo, O.
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, O.

4420—*Engines (Yacht or Launch)

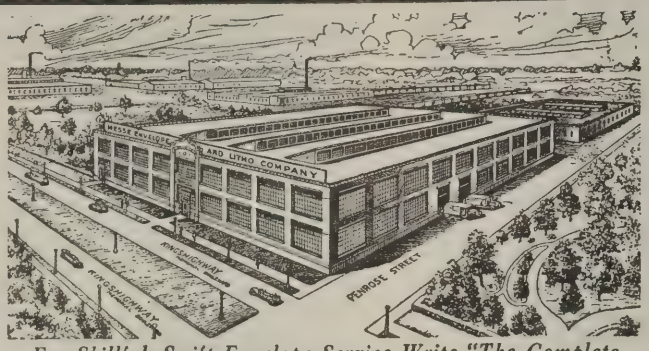
See also Engines, Marine, Gasoline; also Engines, Oil
STERLING ENGINE CO., 1210 Niagara, Buffalo, N. Y

4421— Entrances (Bronze)

Hawxhurst O. B. & Sons, 161 Pine, Providence, R. I.
Polachek John Bronze & Iron Co., 476H Hancock, Long Island City, N. Y.
Tyler W. S. Co. (Also Iron), Cleveland, O.
See adv index at end of book

4422— *Entry Drivers (Coal)

Ingersoll-Rand Co. ("Gibson"), 11 B'way, New York *See adv index at end of book*



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4422a—Envelopes (Advertising)

American Envelope Co., 3100 W Grand av, Chicago
Cupples Envelope Co. Samuel, 628 S Sixth, St. Louis, Mo.
See adv index at end of book
DU-PLEX ONVELOPE CORP., Quincy, Ill.
Gaw-O'Hara Envelope Co., 500 N Sacramento blvd, Chicago
HESSE ENVELOPE & LITHOGRAPH CO., 5002 Penrose, St. Louis, Mo.
See adv index at end of book

4422b—*Envelopes (All Kinds)

HESSE ENVELOPE & LITHOGRAPH CO., 5002 Penrose, St. Louis, Mo.
See adv index at end of book

4422c—Envelopes (Bankers')

Cupples Envelope Co. Samuel, 628 S Sixth, St. Louis, Mo.
See adv index at end of book
HESSE ENVELOPE & LITHOGRAPH CO., 5002 Penrose, St. Louis, Mo.
See adv index at end of book

4423—Envelopes (Catalog, Merchandise & Tag)

American Envelope Co., 500 N Sacramento blvd, Chicago
American Envelope Co., West Carrollton, Ohio
American Mfg. Co. (Tag), Battle Creek, Mich.
American Paper Co. ("Success" Shirt), 1247 Utah, Seattle, Wash.
American Paper Goods Co., Kensington, Conn.
American Papeterie & Envelope Co., Quincy, Ill.
American Tag Co. (Tag), 6133 S State, Chicago, Ill.
Berkowitz Envelope Co., Kansas City, Mo.
Berlin & Jones Envelope Co., 547 W 27th, New York
Birnie Paper Co., Birnie av, Springfield, Mass.
Bushnell Alvah Co. ("Peperoid" Flat & Exp. Mallets "Safe T Seal" Mailing Envelopes, Filing Pockets, etc.), 925 Filbert, Phila., Pa.
Capital Envelope Co., 1803 E 7th, Los Angeles, Cal.
Carpenter W. B. Co., 422 Main, Cincinnati, Ohio
Chicago Envelope Co. (Merchandise), 59 E Madison, Chicago, Ill.
Coast Envelope Co., 610 E 2d, Los Angeles, Cal.
Cohen Chas. J., 510 Ludlow, Phila., Pa.
Columbia Envelope Co. (Transparent & Metal Clasp Mfrs.), 349 W Austin av, Chicago, Ill.
Continental Paper & Bag Mills, 1 Pershing sq, New York
Cupples Envelope Co. Samuel, 628 S Sixth, St. Louis, Mo.
See adv index at end of book

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Diemer John F. Co. ("Leatherette Expanding Envelopes, Mailing Box Envelopes, etc), 107 Lafayette, New York
DU-PLEX ONVELOPE CORP., Quincy, Ill.
Envelope Corp., 352 6th, San Francisco, Cal.
Field-Ernst Envelope Co., 25 Fremont, San Francisco, Cal.
Gair Robert Co., 350H Madison av, New York
Gaw-O'Hara Envelope Co., 500 N Sacramento blvd, Chicago
Goodbody Wm. (Mailing), 505 W B'way, New York
Griffin Envelope Co., 157 N Los Angeles, Los Angeles, Cal.
Hesse Envelope Co. of Texas, Dallas, Tex.
HESSE ENVELOPE & LITHOGRAPH CO., 5002 Penrose, St. Louis, Mo.
See adv index at end of book
Hinde & Dauch Paper Co. ("Security" Corrugated Paper Mailing), 253 Water, Sandusky, O.
See adv index at end of book
Landa A. & Sons Co. (Leather & Cloth Document), 1706 Foster av, Chicago, Ill.
National Fiberstock Envelope Co., 427 Moyer, Phila., Pa.
National Paper Product Co., 528 Battery, San Francisco, Cal.
See adv index at end of book
Neostyle Envelope Co. (Merchandise), 5 S Wabash av, Chicago, Ill.
Niagara Envelope Manufactury, 561 Washington, Buffalo, N. Y.
Raynor & Perkins Envelope Co. (Letter), 220 William, New York
Security Envelope Co. (Hand Fold), 29th & 5th av S, Minneapolis, Minn.
Sefton Mfg. Corp. (Mailing), 1301 W 35th, Chicago, Ill.
Sewell-Clapp Envelopes Co. (Mailing), 4201 Belmont, Chicago, Ill.
Sherman Envelope Co., 60 Prescott, Worcester, Mass.
Shuman Frank G. ("At-Tach-It" Mailing), 216 N Clinton, Chicago, Ill.
Smead Mfg. Co. (Bandless Document, Catalogue & Book Mailing, Adjustable & Expansive), Hastings, Minn.
Spangler E. J. Co., 1237 N Howard, Philadelphia, Pa.
Taylor-Atkins Paper Co., Burnside, Conn.
Tension Envelope Co. (Package), 37 34th, Brooklyn, N. Y.
Thomas Stationery Mfg. Co. (Tag), Springfield, O.
Thompson & Norris Co. (Corrugated), 212 Concord, Brooklyn, N. Y.
U. S. Envelope Co., Springfield, Mass.
U. S. Paper Goods Co., 1224 W 8th, Cincinnati, O.
Universal Paper Goods Co., 422 Boyd, Los Angeles, Cal.
Western Bank Supply Co., 548H 4th, Oakland, Cal.
Whiting Paper Co., Holyoke, Mass.
Worcester Envelope Co. (Glassene, Photo, X-Ray, etc.), Worcester, Mass.

4424— Envelopes (Coin)

American Envelope Co., 3100 W Grand av, Chicago
Cupples Envelope Co. Samuel, 628 S Sixth, St. Louis, Mo.
See adv index at end of book
Hesse Envelope Co. of Texas, Dallas, Tex.
HESSE ENVELOPE & LITHOGRAPH CO., 5002 Penrose, St. Louis, Mo.
Union Envelope Co., Richmond, Va.
Western Bank Supply Co., 348H 4th, Oakland, Cal.
Worcester Envelope Co., Worcester, Mass.

4424a—Envelopes (Document)

Cupples Envelope Co. Samuel, 628 S Sixth, St. Louis, Mo.
See adv index at end of book
Hesse Envelope & Lithograph Co., 5002 Penrose, St. Louis, Mo.
See adv index at end of book

Envelopes (Express)

See Envelopes (Document)

4425— Envelopes (Filing)

American Envelope Co., 3100 W Grand av, Chicago
Diemer Jno. F. Co., 107 Lafayette, New York
Globe-Wernicke Co. (The), 25 Carthage av, Cincinnati, Ohio
See adv index at end of book
Gopher Envelope Co. (& Expansion), 500 S 5th, Minneapolis, Minn.
Graff Geo. B. Co. ("Steel-Eye"), 294 Washington, Boston, Mass.
HESSE ENVELOPE & LITHOGRAPH CO., 5002 Penrose, St. Louis, Mo.
See adv index at end of book
Security Envelope Co., 29th & 5th av S, Minneapolis, Minn.
Smead Mfg. Co. ("Bandless"), Hastings, Minn.
Universal Paper Goods Co., 422 Boyd, Los Angeles, Cal.
Western Bank Supply Co., 348H 4th, Oakland, Cal.
Yawman & Erbe Manfg. Co. ("Yawmanote"), St. Paul, Rochester, N. Y.

4425a—Envelopes (Glassine)

Chicago Envelope Co., 59 E. Madison, Chicago, Ill.
Cupples Envelope Co. Samuel (Drug), 628 S Sixth, St. Louis, Mo.
See adv index at end of book
Hygeia Antiseptic Tooth Pick Co., 160 W 14th, New York
United States Envelope Co., 21 Cypress, Springfield, Mass.
Worcester Envelope Co., 110 Foster, Worcester, Mass.

4425b—*Envelopes (Glove)

Cupples Envelope Co. Samuel, 628 S Sixth, St. Louis, Mo.
See adv index at end of book

4426— Envelopes (Leather)

Canvas Leather Specialty Co., 757 Cass, Trenton, N. J.
Detroit Leather Works, 683 Lafayette av, East Detroit, Mich.
HESSE ENVELOPE & LITHOGRAPH CO., 5002 Penrose, St. Louis, Mo.
See adv index at end of book
Hesse Envelope Co. of Texas, Dallas, Tex.
Warren Leather Goods Co., Worcester, Mass.

4426a—*Envelopes (Metal Clasp)

HESSE ENVELOPE & LITHOGRAPH CO., 5002 Penrose, St. Louis, Mo.
See adv index at end of book

Envelopes (Official)

See Envelopes (Document)

Envelopes (Pay)

See Envelopes (Plain & Printed)

4426b—Envelopes (Photo Mailing)

American Envelope Co., 3100 W Grand av, Chicago
Cupples Envelope Co. Samuel, 628 S Sixth, St. Louis, Mo.
See adv index at end of book
DU-PLEX ONVELOPE CORP., Quincy, Ill.
Gaw-O'Hara Envelope Co., 500 N Sacramento blvd

4427—Envelopes (Plain & Printed)

Alling & Cory Co., Rochester, N. Y.
American Envelope Co., 3100 W Grand av, Chicago, Ill.
American Envelope Co., West Carrollton, Ohio
American Paper Goods Co., Kensington, Conn.

Am. Papeterie Co., Albany, N. Y.
American Paper Products Co. (Church & Sunday School Collection Envelopes), East Liverpool, Ohio
Atlanta Envelope Co., Atlanta, Ga.
Berkowitz Envelope Co., 19th & Campbell, Kansas City, Mo.
Berlin & Jones Envelopes Co., 547 W 27th, New York
Birnie Paper Co., Birnie av, Springfield, Mass.
Bourke-Rice Envelope Co., 522 S Clinton, Chicago, Ill.
Buffalo Envelope Co., 268 Michigan av, Buffalo, N. Y.
Burkley Envelope & Printing Co., Omaha, Neb.
C. & M. Envelope Co., 535 Pearl, New York
California Envelope Co. (Plain), 31 Minna, San Francisco, Cal.
Capital Envelope Co., 1803 E 7th, Los Angeles, Cal.
Centralia Envelope Co., Centralia, Ill.
Coast Envelope Co., 610 E 2nd, Los Angeles, Cal.
Cohen Chas. J., 510 Ludlow, Phila., Pa.
Columbia Envelope Co., 349 W Austin av, Chicago, Ill.
Crunden-Martin Mfg. Co., 2d & Gratiot, St. Louis, Mo.
CUPPLES ENVELOPE CO. SAMUEL, 628 S Sixth, St. Louis, Mo.
See adv index at end of book
Diem & Wing Paper Co., Gilbert av, Cincinnati, O.
Diemer John F. Co., 107 Lafayette, New York
DU-PLEX ONVELOPE CORP., Quincy, Ill.
Eagle Envelope Co., 5 S Wabash av, Chicago, Ill.
Eaton, Crane & Pike Co., Pittsfield, Mass.
Envelope Corp., 352 6th, San Francisco, Cal.
Field-Ernst Envelope Co., 25 Fremont, San Francisco Cal.
Gaw-O'Hara Envelope Co., 500 N Sacramento blvd, Chicago
Goodbody Wm., 505 W B'way, New York
Gopher Envelopes Co., 500 S 5th, Minneapolis, Minn.
Griffin Envelope Co., 25 Fremont, San Francisco, Cal.
HESSE ENVELOPE & LITHOGRAPH CO., 5002 Penrose, St. Louis, Mo.
See adv index at end of book
Heywood Mfg. Co., 420 N 3rd, Minneapolis, Minn.
Hoyler Envelope Co., 501 S Jefferson, Chicago, Ill.
Jones Wm. C., 708 Broadway, New York
Keevil A. S., 4331 Sacramento, St. Louis, Mo.
Kellogg P. P. & Co., 21 Cypress, Springfield, Mass.
Logan, Swift & Brigham Envelope Co., 75 Grove, Worcester, Mass.
Luck C. H. Envelope Co., 701 S La Salle, Chicago, Ill.
Moffat Paper Goods Co., 195 Church, New Haven, Sonn.
Montag Bros., Atlanta, Ga.
Morgan Envelope Co., Harrison av, Springfield, Mass.
National Envelope Co., Waukegan, Ill.
Neostyle Envelope Co., 5 S Wabash av, Chicago, Ill.
New England Envelope Co., 8 Eden, Worcester, Mass.
Niagara Envelope Manufactory, 561 Washington, Buffalo, N. Y
Orgler Envelope Co., 66 Duane, New York
Pacific Coast Envelope Co., 400 2nd, San Francisco, Cal.
Plimpton Mfg. Co., 6 Ann, Hartford, Conn.
Powers Paper Co. (Stationary), Springfield, Mass.
Raynor & Perkins Envelope Co., 220 William, New York
Schnur Peter Printing Co., Joplin, Mo.
Security Envelope Co., 2900 5th av S, Minneapolis, Minn.
Sewell-Clapp Envelopes Co., 4201 Belmont, Chicago, Ill.
Sherman Envelope Co., 60 Prescott, Worcester, Mass.
Spangler E. J. Co., 1237 N Howard, Philadelphia, Pa.
Taylor-Atkins Paper Co., Burnside, Conn.
Thomas Stationery Mfg. Co., Springfield,O.
Transo Envelope Co., 3512 Kimball av, Chicago, Ill.
Union Envelope Co., Richmond, Va.
U. S. Envelope Co., Springfield, Mass.
U. S. Paper Goods Co., 1224 W 8th, Cincinnati, O.
Ward Samuel Mfg. Co., 299 Atlantic av, Boston, Mass.
Weaver Mailing Envelope & Box Co., 717 Arch, Phila., Pa.
Western Tablet & Stationery Co. (Camera), St. Joseph, Mo.
Whitcomb Envelope Co., 20 Salisbury, Worcester, Mass.
White, Corbin & Co., Rockville, Conn.
Whiting-Patterson Co., 320 N 13th, Phila., Pa.
Wolf Bros., 330 N 12th, Phila., Pa.
Wolf Envelope Co., E 22d & Payne av, Cleveland, O.
Worcester Envelope Co., Worcester, Mass.

4428—Envelopes (Postage Saving)

American Envelope Co., 3100 W Grand av, Chicago
Cupples Envelope Co. Samuel, 628 S Sixth, St. Louis, Mo.
See adv index at end of book
DU-PLEX ONVELOPE CORP., Quincy, Ill.
Gaw-O'Hara Envelope Co., 500 N Sacramento blvd, Chicago
HESSE ENVELOPE & LITHOGRAPH CO., 5002 Penrose, St. Louis, Mo.
See adv index at end of book

4428a— Envelopes (Seed)

Cupples Envelope Co. Samuel, 628 S Sixth, St. Louis, Mo.
See adv index at end of book

Envelopes (Theatre Ticket)

See Envelopes (Plain & Printed)

4428b— Envelopes (Window)

American Envelope Co., 3100 W Grand av, Chicago
Cupples Envelope Co. Samuel, 628 S Sixth, St. Louis, Mo.
See adv index at end of book
DU-PLEX ONVELOPE CORP., Quincy, Ill.
Gaw-O'Hara Envelope Co., 500 N Sacramento blvd, Chicago
HESSE ENVELOPE & LITHOGRAPH CO., 5002 Penrose, St. Louis, Mo.
See adv index at end of book

4428c— Eosine

Ciba Co, Inc., 134 Cedar, New York
National Gum & Mica Co., 12 Western av, New York
Wolf Jacques & Co., 369 Harrison, Passaic, N. J.

4428d— Epsom Salts

See also Magnesium Sulphate
Riddle Chemical Co. Inc., 35 S Dearborn, Chicago
See adv index at end of book

4429—*Equalizers (Hot Water)

Heim H. E. ("Heim" Boiler Appliances), 312 Pine, Portland, Ore.

4430— Equalizers or Eveners

Adams E. B. & Son ("Adams," "Eureka," "Steel Giant" 3 Horse), Racine, Wis.
Avery B. F. & Sons, Louisville, Ky.
Case J. I. Plow Works, Racine, Wis.
Emerson - Brantingham Co. ("E-B"), Rockford, Ill.
Fort Smith Rim & Bow Co. ("Hickory"), Ft. Smith, Ark.
Gross Co. (Plow Eveners), Carroll, Ia.
Harvey Spring & Forging Co. ("Eureka," "Harvey," "Racine," "Western," "Winner"), Racine, Wis.
Heider Mfg. Co., Carroll, Ia.
Joubert & Goslin Mach. & Fdry. Co., Birmingham, Ala.
La Crosse Plow Co., La Crosse, Wis.
Mason F. C. & Co., St. Johns, Mich.
Owatonna Fanning Mill Co., Owatonna, Minn.
Owens J. L. Co., Fulton & S E Huron, Minneapolis, Minn.
Prouty C. & Co., Eldred, Pa.
Racine General Mfg. Co. ("Racine"), (Jobbers), Racine, Wis.
Racine-Sattley Co. ("Sattley"), Springfield, Ill.
Rock Island Plow Co., Rock Island, Ill.
Torrey Bros. Co., Central Village, Conn.
Universal Equalizer Co. ("Universal"), Opera Place, Cincinnati, Ohio.
U. S. Pressed Steel Co. ("U. S."), Ypsilanti. Mich.
Zeigler Mfg. Co. Alexandria, Ind.

4431— Eradicators (Ink)

Carter's Ink Co. ("Inky Racer"), E Cambridge, Boston, Mass.
Pease C. F. Co., 820 N. Franklin, Chicago, Ill. *See adv index at end of book*

4432— Erasers (Blackboard)

Beckley-Cardy Co. ("Slatoplate" & "Neverip Noiseless"), 17 E 23rd, Chicago, Ill.
Brawley T. R. (All Felt), 270 20th, Brooklyn, N. Y.
See adv index at end of book
Caxton School Supply Co. ("Caxton" Side Bound), 2345 S La Salle, Chicago, Ill.
Continental Felt Co., 64-66 E 11th, New York *See adv index at end of book*
Healey Geo. R. Mfg. Co., 848 Santer, Los Angeles, Cal.
Monarch Felt Works (All Felt), 39-45H York, Brooklyn, N. Y.
Rowles E. W. A. Co. ("Danus Noiseless"), 2345 S La Salle, Chicago, Ill.

4433—Erasers (Draftsmen's)

Coates Clipper Mfg. Co. (Electric), 237 Chandler, Worcester, Mass.
COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book
Defiance Mfg. Co., 384-6 Broadway, New York
Elliott B. K. Co., 126 6th, Pittsburgh, Pa.
Pease C. F Co., 820 N Franklin, Chicago, Ill. *See adv index at end of book*
Skinner Bros. Mfg. Co. Inc., Vandeventer & Boyle, St. Louis, Mo.
Weber F. Co., 1220 Buttonwood, Phila., Pa.

4434— Erasers (Ink)

Beegee Co., 1133 B'way, New York
Blaisdell Paper Pencil Co., 14 Berkeley, Phila., Pa.
Canton Cutlery Co., 1212 5th S W, Canton, Ohio
Challenge Cutlery Corp., 58 Seymour, Bridgeport, Conn.
Graef & Schmidt ("Twin Brand" Imp), 107 Chambers, New York
Landers, Frary & Clark, New Britain, Conn.
Miller Bros. Cutlery Co. (Steel), Meriden, Conn.
Napanoch Knife Co., Napanoch, N. Y.
Novelty Cutlery Co., Canton, O.
Polar Mfg. Co., 123 N 4th, Phila., Pa.
Rose Wm. & Bros., Sharon Hill, Pa.
Ross, Jos. & Co., Irvington, N. J.
Schnefel Bros., 684 S 17th, Newark, N. J.
Turner Bros. ("Sterling"), 1023 Arch, Phila., Pa.
Wallace R. & Sons Mfg. Co., Wallingford, Conn.
Weber Co. F., 1220 Buttonwood, Philadelphia, Pa.
Wostenholm Geo. & Son ("I. X. L." Imp), 258 Broadway, New York

4435— Erasers (Ink, Brush)

Cushman & Denison Mfg. Co. ("Cado"), 11th av & 20th, New York
Rush Eraser Co. ("Rush-E-Raser"), Syracuse, N. Y.

4435a—*Erasers (Motor Driven)

Pease C. F. Co., 820 Franklin, Chicago, Ill. *See adv index at end of book*
Schunck & Ogg ("S. & O."), 115 4th av, New York.

4436— Erasers (Rubber)

American Lead Pencil Co., 220 5th av, New York
Dixon Joseph Crucible Co. (for Pencil Ink & Electrotypers), Jersey City, N. J.
Eagle Pencil Co., 703 E 13, New York
Faber A. W. Rubber Works, 41 Dickerson, Newark, N. J.
Faber Eberhard Pencil Co., 37 Greenpoint av, Brooklyn, N. Y.
Faber Eberhard Rubber Co., New, Newark, N. J.
Goodrich B. F. Rubber Co., Akron, O.
Laurel Co., Garfield, N. J.
O. K. Mfg. Co. ("O. K."), Oswego, N. Y.
Parker-Stearns & Co. ("Alpha"), 286 Sheffield av, Brooklyn, N. Y.
Pease C. F. Co., 820 N Franklin, Chicago, Ill. *See adv index at end of book*
Pershing & Co. ("Never Loose" Typewriter), 134 N Michigan, South Bend, Ind.
Roberts Weldon Rubber Co., 18 Oliver, Newark, N. J.
Viscol Co. ("Artgum"), Cambridge, Mass.
Turner Bros. ("Sterling"), 1023 Arch, Phila., Pa.
Weber Co. F., 1220 Buttonwood, Philadelphia, Pa.
Yatman Rubber Co., 267 Mt. Pleasant av, Newark, N. J.

4437— Escutcheon Pins

AMERICAN STEEL & WIRE CO. (Brass Steel), 208 La Salle, Chicago, Ill.
See adv index at end of book
Am. Tube & Stamping Co. (Pressed Steel), Dept. H, Bridgeport, Conn.
Atlas Tack Co., Fairhaven, Mass.
Clendenin Bros. (Brass), 108 South, Baltimore, Md.
Corbin Screw Corporation (Steel or Brass), New Britain, Conn.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
HASSALL JOHN, INC. (Brass, Copper, Iron, Nickel, Silver, Aluminum, Plated & Coated), Clay & Oakland, Brooklyn, N. Y. *See adv index at end of book*
Havell Mfg. Co. (Brass & Steel), 284 Washington, Newark, N. J.
Hungerford U. T. Brass & Copper Co. (Brass & Iron), 80 Lafayette, New York
Interstate Iron & Steel Co., 104 So Michigan av, Chicago, Ill.
Jenkinson R. C. & Co., 293 Washington, Newark, N. J.
Merchant & Evans Co. (Brass), Washington av & 21st, Phila., Pa.
Milwaukee Tack Co., 27th & Wahl av, Milwaukee, Wis.
Parker Wire Goods Co. (Steel & Brass), Worcester, Mass.
Perkins Henry Co., Bridgewater, Mass.
Plume & Atwood Mfg. Co., Waterbury, Conn.
STIMPSON EDWIN B. CO., 352 Kent av, Brooklyn, N. Y.
See adv index at end of book
Townsend Co., New Brighton, Pa.
See adv index at end of book
Turner & Seymour Mfg. Co. ("Star" Rivets), Torrington, Conn.

(Continued on following page)

Escutcheon Pins—Continued

Turner & Stanton Co. (Brass & Iron), Norwich, Conn.
Waterbury Button Corporation, 831 So Main, Waterbury, Conn.
See adv index at end of book
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Washburn Co. (Wire Goods Div.) (Iron & Brass), 28 Union, Worcester, Mass.

4438— Escutcheons

American Pin Co. ("Ampinco"), Waterbury, Conn.
Art Hardware & Mfg. Co., Seattle, Wash.
Brainerd Mfg. Co., East Rochester, N. Y.
Chantrell Hdwe. & Tool Co. ("Chantrell"), Reading, Pa.
Corbin P. & F., New Britain, Conn.
Corbin Cabinet Lock Co., New Britain, Conn.
Eagle Lock Co., Terryville, Conn.
Earle Hdwe. Mfg. Co., 2369 E 51st, Los Angeles, Cal.
Foster-Merriam & Co., Meriden, Conn.
Grand Rapids Brass Co., Grand Rapids, Mich.
Hayes Jos. A (Brass & Iron, etc.), 18 Tremont, Boston, Mass.
Laughlin Thos. Co. (Fancy, Rose, Round, Shield), 135 Fore, Portland, Me.
See adv index at end of book
National Lock Co. (Keyhole, Brass & Plated), Rockford, Ill.
Pacific Brass & Hardware Mfg. Co., 1646 N Spring, Los Angeles, Cal.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co. (Cabinet Furniture, Sliding Door & Wood), New Britain, Conn.
Sargent & Co., New Haven Conn.
Skillman Hardware Mfg. Co., Trenton, N. J.
Stimpson Edwin B. Co. (For Keyholes, etc),), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Taylor & Boggis Foundry Co., Cleveland, O.
Van Dyke Hardware & Mfg. Co., 308-10 1st av, Seattle, Wash.
Weber-Knapp Co., Dept. H, Jamestown, N. Y.
Weiser Hdw. Mfg. Co., Inc., 5209 Pacific blvd, Los Angeles, Cal.
Yale & Towne Mfg. Co. ("Yale") (Cabinet, Door etc), Stamford, Conn.

4439— Eserine

Hoffmann La Roche Chemical Works, 19 Cliff, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

4439a— Etching Points

Crafts Arthur A. & Co. (Diamond), 125 Summer, Boston, Mass.

4440 — Ether

Albany Chemical Co., Albany, N. Y.
Bush W. J. & Co., 370 7th av, New York
Cooper Chas. & Co., 194 Worth, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park pl, New York
Northwestern Chemical Co., Wauwatosa, Wis.
Powers-Weightman-Rosengarten Co. (For Anesthesia Concentrated, 916H Parrish, Phila., Pa.
Riddle Chemical Co., 35 S Dearborn, Chicago
See adv index at end of book
Riverside Mfg. Co., 4528 S. Broadway, St. Louis, Mo.
Squibb E. L. & Sons, 23 Vine, Brooklyn, N. Y.
U. S. Industrial Chemical Co. (Ethyl), 110 E. 42nd, New York

4440a— Ethyl Bromide

Dickinson J. Q. & Co., Malden, W. Va.
Dow Chemical Co., Midland, Mich.
Harmer Laboratories Co., 2 S. 21st, Philadelphia, Pa.
Mallinckrodt Chemical Works, Mallinckrodt, St. Louis, Mo.
See adv index at end of book

4440b— Ethyl Chloride

Bengue Jules, W Hoboken, N. J.
Cooper Chas. & Co., 194 Worth, New York
Fries & Bros, 92 Reade, New York
Gebauer Chemical Co., Erie bldg., Cleveland, O.
Merck & Co., 45 Park pl., New York

4440c— Eucalyptol

Chris Antoine Co., 147 Waverly, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

4440d—Evaporator Parts (Monel Metal)

Badger & Sons Co. E. B., Boston, Mass.
Buffalo Foundry & Machine Co., Buffalo, N. Y.
Chemical Equipment Co., 2457 S Western av, Chicago, Ill.
Furman Engineering Corp., 30 Church, New York
INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book

INCo
Monel metal
EVAPORATORS
Equipped with Monel Metal or Nickel Tubes and Tube Plates eliminate expensive tube replacements. Used in evaporating Caustics, Gelatines, Plastics, Food Products and a wide variety of chemicals.
SEE OUR INSERT AT MONEL METAL
THE INTERNATIONAL NICKEL COMPANY
67 Wall Street New York, N.Y.

Kestner Evaporator Co., Philadelphia, Pa.
Koven & Bro. L. O., 154 Ogden av, Jersey City, N. J.
Liberty Coppersmithing Co., N Howard, Philadelphia, Pa.
Lummus Walter E. Co., Boston, Mass.
Zaremba Company, Buffalo, N. Y.

4440e—Evaporators (Basket Type)

Badger E. B. & Sons Co., 75-A Pitts, Boston, Mass.
See adv index at end of book
Duncan Stewart & Co. Ltd., Export Dept., 43 Cedar, New York
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.
Swenson Evaporated Co., 53 W Jackson blvd., Chicago, Ill.

4441— Evaporators (Brine)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Surface Combustion Co. The, 334 Gerard av, Bronx, New York
See adv index at end of book
ZAREMBA CO., 505 Crosby bldg., Buffalo, N. Y. *See adv index at end of book*

4441a—Evaporators (Chemical)

Buffalo Foundry & Machine Co. ("Buflovak"), 65 Winchester av, Buffalo, N. Y. *See adv index at end of book*

EVAPORATORS
BUFFLOVAK
Various types for evaporating and concentrating all liquids. Single or multiple effect.
BUFFALO FOUNDRY & MACHINE CO.
65 Winchester Avenue, Buffalo, N. Y.

Garrigue Wm. & Co., 154 Nassau, New York, and 45th & Western, Chicago
Hamler Boiler & Tank Co., Dept. H., W 66th & S 60th av, Chicago, Ill.
Joubert & Goslin Mach. & Fdry. Co., 800 N. 35th, Birmingham, Ala.
Oakland Copper & Brass Wks., 7th & Kirkham, Oakland, Cal.
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.
Philadelphia Coppersmithing Co., 808 N. Front, Philadelphia, Pa.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Sowers Mfg. Co., 1300 Niagara, Buffalo, N. Y.
Surface Combustion Co. The, 334 Gerard av, Bronx, New York
See adv index at end of book
Thermal Syndicate, Ltd., 58 Schenectady av, New York
Wheeler Condenser & Engrg. Co., W Carteret, N. J.
Zaremba Co. (Caustic Soda), 505 Crosby bldg, Buffalo, N. Y.
See adv index at end of book

4442—Evaporators (Chemical, Paper Pulp)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
International Process Co. ("Carlson," Solely for the Recovery of Chemicals Used in Sulphate Process of Mfr. of Paper Pulp, from Resinous Wood), 42 Broadway, New York
Joubert & Goslin Mach. & Fdry. Co. (Glycerine), Birmingham, Ala.
Ordway Chas. ("Yaryan" System for Extract of Wood & Soda), 25 Church, New York
Philadelphia Coppersmithing Co., 808 N. Front, Philadelphia, Pa.
Scott Ernest & Co. ("Scott"), Fall River, Mass.

4443—Evaporators (Crystalizing)

BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Honolulu Iron Works Co., 233 Broadway, New York
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Zaremba Co., 505 Crosby bldg, Buffalo, N. Y. *See adv index at end of book*

4444—Evaporators (Exhaust Steam)

GRISCOM-RUSSELL CO. ("Reilly"), 92 West, New York
See adv index at end of book
Honolulu Iron Works Co., 233 Broadway, New York
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.
Scott Ernest & Co. ("Scott"), Fall River, Mass.

4444a—Evaporators (Extract)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

4444b— Evaporators (Flash)

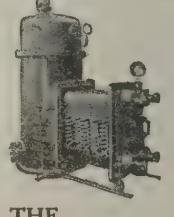
Schutte & Koerting Co., 1251 N. 12, Philadelphia, Pa.
See adv index at end of book

4445—Evaporators (Fresh Water Distilling)

Braun C. F. & Co. ("Braun"), Mission rd & Fremont av, Los Angeles, Cal.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

BUFFLOVAK
DISTILLED WATER EVAPORATORS
are provided with self-scaling coils
Capacities 10 to 2,000 gallon per hour
BUFFALO FOUNDRY & MACHINE CO.
65 Winchester Avenue, Buffalo, N. Y.

Davidson M. T. Co. ("Baird" Patents for Steam Vessels, Chemical Works, etc), 154 Nassau, New York.
GRISCOM-RUSSELL CO., ("Reilly" Self-Scaling), 92 West, New York.
See adv index at end of book

REILLY EVAPORATORS
For furnishing distilled water in any quantity desired.
Single and multiple plants for marine and stationary service.


THE
GRISCOM-RUSSELL CO.
92 West Street New York

Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.
Philadelphia Coppersmithing Co., 808 N. Front, Philadelphia, Pa.
SCHUTTE & KOERTING CO. ("S. & K." for Producing Fresh Water from Salt & Other Impure Waters), 1251 N 12th, Phila., Pa. *See adv index at end of book*
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Surface Combustion Co. The, 334 Gerard av, Bronx, New York
See adv index at end of book

KUTZTOWN FOUNDRY & MACHINE COMPANY

INCORPORATED

Founders and Machinists

1421 Chestnut Street

PHILADELPHIA, PA.

WORKS: KUTZTOWN, PA.

PRODUCTS

Boiler Fronts and Castings
Castings: Acid-Resistant
By-Product Coke Oven
Chemical
Condenser
Denitrator
Digester
Dryer
Evaporator
Expansion Tank
Filter Press
Furnace
Grey Iron
Heater
Incinerator
Jacketed
Kettle and Kiln
Machinery
Nitrator
Oven
Power Plant
Preheater
Retort
Saturator
Semi-steel
Sugar House
Sulphonator
Tank
Vacuum Dryer
Vacuum Pan
Washer
Cylinders (Cast Iron)
Denitrators
Degreasing
Degreasing Plants and Equipments
Dryers: Beet Pulp
Brick and Clay
Cement and Asphalt
Coal and Sand, etc.
Fertilizer, Glue, etc.
Garbage
Hoof and Bone
Jacketed Cylindrical
Fittings (Cast Iron)
Flanges (Cast and Malleable Iron)
Garbage Disposal Plants
Grate Bar Mfrs.
Kettles (Cast Iron)
Lugs (Boiler)
Machinery: Coke Oven Machinery
Garbage Reduction and Degreasing Machinery
Fertilizer and Waste Product Plant Machinery
Packing House Machinery
Machinists and Founders
Pans (Cast Iron)
Percolators
Plates (Cast Iron Stack)
Presses: Beet Pulp
Continuous Roller
Fertilizer
Garbage
Separators (Steam and Oil)
Tanks (Cast Iron Storage)

PLANT

Our plant at Kutztown, Pa., consists of pattern shop, foundry, machine shop, storage sheds and yard, equipped with the most modern machinery for preparing moulds, machining and finishing castings, and the handling of heavy pieces from one part of the plant to another.

The foundry is equipped to handle castings of any shape and size up to 15 tons, poured in green or dry sand or loam moulds.

Castings up to 16 feet in diameter can be finished in our machine shop which is equipped with suitable boring mills, lathes, planers, drills and other machinery.

SERVICE

We build cast iron equipment to drawings and specifications, making such tests as may be necessary.

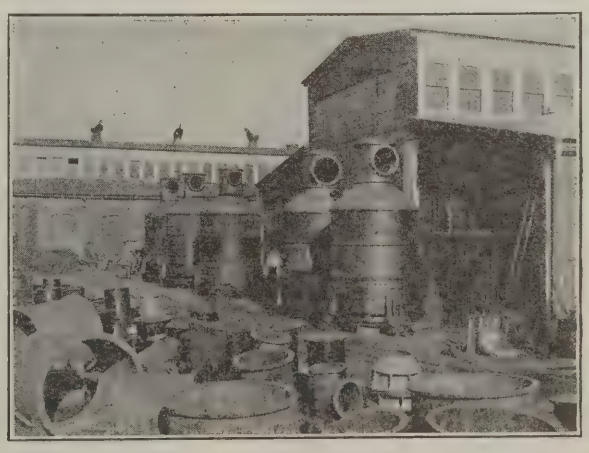
Equipment cast in more than one piece is assembled before shipment to insure accurate fit.

CASTINGS

Special attention is given to the mixture of the iron, which is controlled by analysis to secure a casting of the proper structure, suitable for the intended use.



SATURATORS FOR USE IN THE BY-PRODUCT COKE INDUSTRY



CASTINGS FOR EVAPORATORS USED IN CHEMICAL AND SUGAR INDUSTRIES
Sizes to meet requirements

4446— Evaporators (Fruit)

Babcock Mfg. Co. ("Granger" "Ostego"), Leonardsville, N. Y.
Blymyer Iron Works Co. ("Zimmerman," also for Bananas for Making Banana Flour) Cincinnati, O.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Caledonia Bean Harvester Works, Caledonia, N. Y.
Chapman F. C., 1135 13th, Modesto, Cal.
Chattanooga Plow Co. ("Chattanooga"), Center and Main, Chattanooga, Tenn.
Devine J. P. Co., Buffalo, N. Y.
Deshler Mail Box Co. (& Vegetable) ("Prover"), Deshler, Ohio.
Fahrney Edw. B. ("U-S" Cook Stove, "American" for Fruits, Tea, Coffee, Herbs, Barks, Grain, etc), Waynesboro, Pa.
Geijsbeek Engineering Co., Burke bldg, Seattle, Wash.
Heineman-Pearson Co., 255 California, San Francisco, Cal.
Horstmann Mfg. Co., 932 Folsom, San Francisco, Cal.
Ideal Dehydrator Co., 948 Market, San Francisco, Cal.
Kilby Mfg. Co. (Single & Multiple Effects for Fruit Juices), 4623 Lakeside av, Cleveland, O.
Krenz Oscar Copper & Brass Wks., 612H Bryant, San Francisco, Cal.
Munnsville Plow Co. ("Duplex," "20th Century," "Munnsville" Evaporator Furnaces for Drying Fruits or Hops on Kilns or Drying Fruit in Tower Evaporation), Munnsville, N. Y.
Oat Joseph & Sons, 28 Quarry, Phila., Pa.
Ordway Chas. ("Yaryan" system for concentrating fruit juices), 25 Church, New York
Palmer & Co., Noble, Ill.
Pemberton Heating & Ventilating Co., 901 N Alameda, Los Angeles, Cal.
Progressive Dehydrater Co., Loew bldg, San Francisco, Cal.
Rees Blow Pipe Mfg. Co. ("Progressive"), 340 7th, San Francisco, and 3636 S Alameda, Los Angeles, Cal.
Schaefer Copper Works Inc., 523 N 22nd, Portland, Ore.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Sebastian Bros., Odin, Ill.
Smith Mfg. Co. Inc., Stockton & Alameda, San Jose, Cal.
Sperry D. R. & Co., Batavia, Ill.
Stahl Wm. Sprayer Co. (Small, for Fruit Only), Quincy, Ill.
Strong Homer (Apple Evap. Plants), Rochester, N. Y.
Stutzman Mfg. Co. ("Stutzman," "Orma"), Ligonier, Ind.
Squier Geo. L. Mfg. Co. ("Angola"), B'way & Mortimer, Buffalo, N. Y.
Trescott W. A., Fairport, N. Y.
Warren Evaporator Works ("I. X. L."), Warren, O.
Zone Dehydrator Co., 481 Forrest, Oakland, Cal.

4447— Evaporators (Glue)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Garrigue, Wm. & Co., New York, and 45th and Western, Chicago, Ill.
Kilby Mfg. Co., 4623 Lakeside av, Cleveland, O.
Ordway Chas., 25 Church, New York
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.
Scott Ernest & Co. ("Scott"), Fall River, Mass.

4447a—Evaporators (High Concentration)

BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.
Philadelphia Coppersmithing Co., 808 N. Front, Philadelphia, Pa.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Surface Combustion Co. The, 334 Gerard av, Bronx, New York
See adv index at end of book
ZAREMBA CO., 505 Crosby bldg, Buffalo, N. Y. *See adv index at end of book*

4448—Evaporators (Horizontal Tube)

BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Joubert & Goslin Machine & Fdry. Co., Birmingham, Ala.
Philadelphia Coppersmithing Co., 808 N. Front, Philadelphia, Pa.
Wheeler Condenser & Engineering Co., W. Carteret, N. J.

4448a— Evaporators (Iron)

See also Specific Headings
Badger E. B. & Sons, 75a Pitts, Boston, Mass. *See adv index at end of book*
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Devine J. P. Co., 1372 Clinton, Buffalo, N. Y.
Joubert & Goslin Mach. & Fdry. Co., 800 N. 35th, Birmingham, Ala.
Oat Joseph & Sons, 28 Quarry, Phila., Pa.
Philadelphia Coppersmithing Co., 808 N. Front, Philadelphia, Pa.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Stokes F. J. Machine Co., 6138 Tabor, Phila., Pa.
Swenson Evaporator, 53 W Jackson blvd., Chicago, Ill.
U. S. Cast Iron Pipe & Fdry Co., Burlington, N. J.
Wayte W. J. Inc., 5844 Grand Central Terminal, New York

4449—Evaporators (Jelly, From Apple Juice)

Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
Dunning & Boschert Press Co., Inc., 379 W Water, Syracuse, N. Y.
See adv index at end of book
Hydraulic Press Mfg. Co. ("Mount Gilead"), 24 Lincoln av, Mount Gilead, Ohio *See adv index at end of book*
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.

4450—*Evaporators (Lined Acid-Resistant)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Zaremba Co., 505 Crosby bldg, Buffalo, N. Y. *See adv index at end of book*

4451—Evaporators (Maple Sugar & Sorghum)

Bell C. S. Co. ("Bell's," "Cooks" & "Rocker"), Hillsboro, O.
Blymyer Iron Works Co. (Straight or Round Coil Open Steam, also the Closed Multiple Effects, Single, Double, Triple & Quadruple), Cincinnati, Ohio
Buffalo Foundry & Machine Co. (Sorghum), 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Champion Evaporator Co. ("Champion"), Hudson, O.
Chattanooga Plow Co. ("Chattanooga"), Center and Main, Chattanooga, Tenn.
Cook Cane Mill & Evaporator Co., 200 N. Main, St. Louis, Mo.
Gowanda Agricultural Works ("Gowanda" Complete Castings for Knocked Down Sets), Gowanda, N. Y.
Grimm G. H. ("Champion," "Grimm's"), Rutland, Vt.
Grimm Mfg. Co., 3703 E. 93rd, Cleveland, Ohio
Honolulu Iron Works Co., 233 Broadway, New York
Hydraulic Press Mfg. Co., 24 Lincoln av, Mount Gilead, Ohio
See adv index at end of book
Philadelphia Coppersmithing Co., 808 N. Front, Philadelphia, Pa.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Squier Geo. L. Mfg. Co., B'way & Mortimer, Buffalo, N. Y.
Vermont Farm Machine Co. ("Williams" Single), Bellows Falls, Vt.
Warren Evaporator Works (Milton Matthews Prop.), ("I. X. L."), Warren, O.

4451a— *Evaporators (Milk)

BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

BUFFALOVAK
MILK EVAPORATORS
For producing evaporated and condensed milk and for evaporating milk and butter milk previous to drying
BUFFALO FOUNDRY & MACHINE CO.
65 Winchester Avenue, Buffalo, N. Y.

Philadelphia Coppersmithing Co., 808 N. Front, Philadelphia, Pa.

4452— Evaporators (Misc.)

American Evaporator Co. (Film Type, "Jedun" Syphonic for all Liquors), 808 N. Front, Philadelphia, Pa.
Badger E. B. & Sons Co., 75a Pitts, Boston, Mass. *See adv index at end of book*
Bethlehem Shipbuilding Corporation Ltd., (Marine), Bethlehem, Pa.
Brecht Co. ("Brecht," with Salt Filter Attached) 1201 Cass av, St. Louis, Mo.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Chemical Equipment Co., 2457 S Western av, Chicago, Ill.
Devine J. P. Co., 1372 Clinton, Buffalo, N. Y.
Gerdes & Co., 42 Church, New York
See adv index at end of book
GRISCOM-RUSSELL CO., (Fresh Salt Water, Chemical, etc), 92 West, New York *See adv index at end of book*
Joubert & Goslin Machine & Fdry. Co., Birmingham, Ala.
Lummus Walter E. Co., 171 Milk, Boston, Mass.
Marshall Foundry Co., 28th & RR., Pittsburgh, Pa.
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.
Philadelphia Coppersmithing Co., 808 N. Front, Philadelphia, Pa.
Phoenix Iron Works Co., Meadville, Pa.
Pratt Engineering & Machine Co., Atlanta, Ga.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
ZAREMBA CO. (All Types, Sizes & Liquids), 505 Crosby bldg, Buffalo, N. Y. *See adv index at end of book*

4453—Evaporators (Multiple Effects)

See also Evaporators Vacuum
Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
BADGER E. B. & SONS CO., 75A Pitts, Boston, Mass.
See adv index at end of book
Baeuerle & Morris (For the Evaporation & Concentration of all Solutions with or without Salts, Vertical Tube Type), 932 N Front, Phila., Pa.
Black-Clawson Co. (Single, Twin & Triple Cylinder Open Air & Vacuum in Single Effect, Evaporators for Drying & Evaporating Water out of Liquid, Animal, Vegetable & Mineral Products, etc), Hamilton, O.
Blymyer Iron Works Co. (Straight or Round Coil Open Steam Type, also the Closed Multiple Vacuum Effects, Single, Double, Triple & Quadruple), Cincinnati, Ohio
Buffalo Foundry & Machine Co. (Multiple & Single Effect Vacuum, etc.), 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

EVAPORATORS
BUFFLOVAK
Various types for evaporating and concentrating all liquids. Single or multiple effect.
BUFFALO FOUNDRY & MACHINE CO.
65 Winchester Avenue, Buffalo, N. Y.

Casey-Hedges Co., Chattanooga, Tenn.
Dyer Co. ("Dyer" Single & Multiple Effects for Cane & Beet Sugar), 2031 Euclid av, Cleveland, O.
Gerdes & Co., 42 Church, New York
See adv index at end of book
GRISCOM-RUSSELL CO. ("Reilly" Self Scaling for Distilling Water for Ice Plants, Breweries, Bottlers, etc), 92 West, New York
See adv index at end of book
Honolulu Iron Works Co., 233 Broadway, New York
Horstmann Mfg. Co., 932 Folsom, San Francisco, Cal.
Joubert & Goslin Mach. & Fdry. Co. (Open Vessel & Closed Type Under Vacuum System, Single, Double, Triple & Quadruple for Various Liquids, Cane, Beet & Maple Sugar, Sorghum, Fruits, Chemicals, Glue, Soap, etc.), 800 N. 35th, Birmingham, Ala.
Kestner Evaporator Co. (For Caustic Soda, Potash, etc.), 18th & Allegheny, Phila., Pa.
Kilby Mfg. Co. (Single & Multiple Effects for Sugar, Glue, Salt, Garbage, Caustic Soda, Fruit Juices, Milk, Stick, Slaughter House, etc), 4623 Lakeside av, Cleveland, O.
Krajewski-Pesant Corp. (For Sugar House Use), 227 Fulton, New York
Krenz Oscar Copper & Brass Wks., 612H Bryant, San Francisco, Cal.
LUMMUS WALTER E. CO., 171 Milk, Boston, Mass.
Murphy John H. Iron Works, 643 Magazine, New Orleans, La.
Oat Joseph & Sons, 28 Quarry, Phila., Pa.
Ordway Chas. ("Yaryan" System for Cane Sugar, Glucose, Glue, Water Distillation, Solvents, Extracts of Meat, Malt of Wood & Soda, etc), 25 Church, New York
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.
Philadelphia Coppersmithing Co. (Multiple Effects, Horizontal & Vertical), 222 N Front, Phila., Pa.
Philadelphia Coppersmithing Co., 808 N. Front, Philadelphia, Pa.
Pioneer Iron Works (Horizontal & Vertical for Sugar), 149 Pioneer, Brooklyn, N. Y.



ZAREMBA PATENT TRIPLE EFFECT FOR SODA PULP MANUFACTURE

Multiple Effects **ZAREMBA** Vacuum Pans

EVAPORATORS

ANY LIQUOR ANY SERVICE

WE design our evaporators expressly to suit your conditions. Whatever these conditions may be—incrustation on tubes, foaming liquor, extremely high concentration necessary, crystallization of contents of liquor—we can provide the proper apparatus.

SPECIAL TYPES FOR SPECIAL WORK

Our construction combines the best results of old practice with latest improvements

ZAREMBA COMPANY

505 CROSBY BUILDING BUFFALO, U. S. A.

Pulaski Foundry & Mfg. Corp., 2424 Euclid av, Cleveland, Ohio
See adv index at end of book
Pusey & Jones Co. (Single & Multiple Effects), Wilmington, Del.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Squier Geo. L Mfg. Co. ("Squier-Buffalo," Single, Double & Triple Effects for Sugar), Buffalo, N. Y.
Standard Water Systems Co. ("Tripure" Single & Multiple Effects for the Evaporation of Both Fresh & Salt Water & Other Liquids), Hampton, N. J.
STENDER COPPERSMITH CO. (THE), 2930 Smallman st, Pittsburgh, Pa.
See adv index at end of book
Sugar Apparatus Mfg. Co. ("Lillie" Single & Multiple Effects for Sugar Refiners & Plantations, Natural Brines in the Mfr. of Salt, Glue, Tank Waters, Tannin Extracts, Water Distilling, Soda Liquors, etc), Wilmington, Del.
Summers Walter B. Co., 171 Main, Boston, Mass.
Surface Combustion Co. The, 334 Gerard av, Bronx, New York
See adv index at end of book
Swenson Evaporator Co. (For Any Liquids), 53 W Jackson blvd, Chicago, Ill.
Von Phul Gilbert D., Carondelet bldg, New Orleans, La.
Wheeler Condenser & Engrg. Co. (Tubular Type for Liquids only, Water Distilling, Sugar Solutions, Chemical, etc.), West Carteret, N. J.
ZAREMBA CO. ("Zaremba" Any Size & Service), 505 Crosby bldg, Buffalo, N. Y. *See adv index at end of book*

4453a—Evaporators (Potash)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.
Surface Combustion Co. The, 334 Gerard av, Bronx, New York
See adv index at end of book
Zaremba Co., 505 Crosby bldg, Buffalo, N. Y. *See adv index at end of book*

4453b— Evaporators (Pressure)

Badger Co. B. & Sons Co., 75a Pitts, Boston, Mass. *See adv index at end of book*
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Devine J. P. Co., 1372 Clinton, Buffalo, N. Y.
Kestner Evaporator Co., 18th & Allegheny, Phila., Pa.
Oat Joseph & Sons, 28 Quarry, Phila., Pa.
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.
Scott Ernest & Co. ("Scott"), Fall River, Mass.

4453c— Evaporators (Rapid Circulation)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

4454—Evaporators (Salt Water)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

SALT EVAPORATORS

BUFFLOVAK

Built in single or multiple effect for evaporating brine or salt water

BUFFALO FOUNDRY & MACHINE CO.
65 Winchester Avenue, Buffalo, N. Y.

GRISCOM-RUSSELL CO., 92 West, New York *See adv index at end of book*
Krenz Oscar Copper & Brass Wks., 612H Bryant, San Francisco, Cal.
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.

4454a—Evaporators (Single or Multiple Effect)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.
Philadelphia Coppersmithing Co., 808 N. Front, Philadelphia, Pa.
Pulaski Foundry & Mfg. Corp., 2424 Euclid av, Cleveland, Ohio
See adv index at end of book
Stender Coppersmith Co. (The), 2930 Smallman st, Pittsburgh, Pa.
See adv index at end of book
Stokes F. J. Machine Co., 6138 Tabor, Phila., Pa.
Wheeler Condenser & Engrg. Co. (For Sugar Solutions, Tank Waters, Runaway Waters, Distilling Slops, Steffins Waters, Water Distillation, Chemicals, etc.), West Carteret, N. J.

4454b—Evaporators (Soda Recovery)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Surface Combustion Co. The, 334 Gerard av, Bronx, New York
See adv index at end of book
Zaremba Co., 505 Crosby bldg, Buffalo, N. Y. *See adv index at end of book*

4454b1— Evaporators (Sugar)

Birmingham Machine & Foundry Co. ("Birmingham"), 3700 10th av, Birmingham, Ala.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

SUGAR EVAPORATORS

BUFFLOVAK

Calandrias—Vacuum Pans
Pre-Evaporators, Condensers, Etc.

BUFFALO FOUNDRY & MACHINE CO.
65 Winchester Avenue, Buffalo, N. Y.

Harry Brothers Co., Carrollton & I. C. R. R., New Orleans, La.
Honolulu Iron Works Co., 233 Broadway, New York
Krenz Oscar Copper & Brass Wks., 612H Bryant, San Francisco, Cal.
Oat Joseph & Sons, 28 Quarry, Phila., Pa.
Philadelphia Coppersmithing Co., 808 N. Front, Philadelphia, Pa.
PULASKI FOUNDRY & MFG. CORP., 2424 Euclid av, Cleveland, Ohio
See adv index at end of book
Schaefer Copper Works Inc., 523 N 22d, Portland, Ore.
Stokes F. J. Machine Co., 17th & Cambria Phila., Pa.
Sugar Machinery Co., Higgins bldg, Los Angeles, Cal.
Treadwell Engineering Co., Easton, Pa.
See adv index at end of book
Von Puhl Gilbert D., Hibernia Bank bldg, New Orleans, La.
Wayte W. J. Inc. (Dirs), 5344 Grand Central Terminal, New York
Wheeler Condenser & Engineering Co., W. Carteret, N. J.
ZAREMBA CO. (Malt Sugar), 505 Crosby bldg., Buffalo, N. Y.
See adv index at end of book

4454c— *Evaporators (Sulphite)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.
Philadelphia Coppersmithing Co., 808 N. Front, Philadelphia, Pa.
Zaremba Co. (Waste), 505 Crosby bldg., Buffalo, N. Y.
See adv index at end of book

4455— Evaporators (Syrup)

Bell C. S. Co. ("Cook's"), Hillsboro, O.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Golden's Foundry & Machine Co., Columbus, Ga.
Joubert & Goslin Mach. & Fdry Co. (Multiple Effects), 800 N. 35th, Birmingham, Ala.
Krenz Oscar Copper & Brass Wks., 612H Bryant, San Francisco, Cal.
Philadelphia Coppersmithing Co. (Multiple Effects), 808 N. Front, Phila., Pa.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Southern Plow Co. ("Cook's"), Columbus, Ga.

4455a— Evaporators (Vacuum)

See also Evaporators Multiple Effect, Also Pans Vacuum
Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
Badger E. B. & Sons Co., 75a Pitts, Boston, Mass. *See adv index at end of book*
Buffalo Foundry & Machine Co., Buffalo, N. Y. *See adv index at end of book*
Chemical Equipment Co. ("Ceco"), 2457 S Western av, Chicago, Ill.
Devine J. P. Co., 1372 Clinton, Buffalo, N. Y.
Garrigue William Co., W 45th & Western av Bl Chicago, Ill.
INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Kestner Evaporator Co., 18th & Allegheny, Phila., Pa.
Krenz Oscar Copper & Brass Wks., 612 Bryant, San Francisco, Cal.
Liberty Coppersmithing Co. (Monel Metal), Philadelphia, Pa.
Oakland Copper & Brass Wks., 7th & Kirkham, Oakland, Cal.
Oat Joseph & Sons, 28 Quarry, Phila., Pa.
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.
Philadelphia Coppersmithing Co., 808 N. Front, Philadelphia, Pa.
Pulaski Foundry & Mfg. Corp., 2424 Euclid av, Cleveland, Ohio
See adv index at end of book
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Sholes, Inc. (Monel Metal), 186 Lafayette, New York
Sowers Mfg. Co., 1300 Niagara, Buffalo, N. Y.
Sperry D. R. & Co., Batavia, Ill.
Stokes F. J. Machine Co., 6138 Tabor, Phila., Pa.
Swenson Evaporated Co., 53 W Jackson Blvd., Chicago, Ill.
U. S. Cast Iron Pipe & Fdry Co., Burling, N. J.
Wayte W. J. Inc., 5344 Grand Central Terminal, New York

4455b—Evaporators (Vertical Tube)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Joubert & Goslin Machine & Fdry. Co., Birmingham, Ala.
Krenz Oscar Copper & Brass Wks., 612H Bryant, San Francisco, Cal.
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.
Philadelphia Coppersmithing Co., 808 N. Front, Philadelphia, Pa.

4456-7— Evaporators (Water)

Bethlehem Shipbuilding Corp., Ltd. (Sea, Power Station, for Feed Make-up, Domestic and Other Purposes), Dept. H, Broadhead & Parker av, Bethlehem, Pa.
Buffalo Foundry & Machine Co. (& Water Distilling App.), 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.
Philadelphia Coppersmithing Co., 808 N. Front, Philadelphia, Pa.
SCHUTTE & KOERTING CO. ("S. & K."), 1251 N 12th, Phila., Pa.
See adv index at end of book
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Surface Combustion Co. The, 334 Gerard av, Bronx, New York
See adv index at end of book
Ordway Chas. ("Mirrless-Watson" Type for Producing Fresh Water from Sea Water), 25 Church, New York

4458— Evaporometers

Green Henry J. ("Piche"), 1191 Bedford av, Brooklyn, N. Y.
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book

4458a— *Excavators (Cableway)

Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Clyde Iron Works Sales Co., Duluth, Minn.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Sauerman Bros., 458 S. Clinton, Chicago.
See adv index at end of book

4459— Excavators (Drag Bucket)

Acme Road Machy. Co., Frankfort, N. Y.
Dravo Contracting Co., 1100 Diamond Bk. bldg, Pittsburgh, Pa.
Hayward Co., 50 Church, New York
See adv index at end of book
Keystone Driller Co. ("Keystone"), Beaver Falls, Pa. *See adv index at end of book*
Le Clair, S. D., 217 Hyde, San Francisco, Cal.
Link-Belt Company, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
McMyler-Interstate Co. (The), Cleveland, Ohio *See adv index at end of book*
Sauerman Bros., 458 S. Clinton, Chicago.
See adv index at end of book
Smith T. L. Co., 1151 32nd, Milwaukee, Wis. *See adv index at end of book*
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.

4460—Excavators (Drag Line)

See also Buckets, Drag Line Scraper
Austin Machinery Corp., Door at Westwood av, Toledo, Ohio
Bethlehem Shipbuilding Corp., Ltd., 20th & Michigan, San Francisco, Cal.
Bucyrus Co., S Milwaukee, Wis.
Cable Excavator Co. ("Slack Line"), Commercial Tr. bldg, Phila, Pa.
Clyde Iron Works Sales Co. (Tower), Duluth, Minn. *See adv index at end of book*
Dravo Contracting Co., 1100 Diamond Bk. Bldg., Pittsburgh, Pa.
General Machinery Co., S. 13 Post, Spokane, Wash.
Harnischfeger Corp., Milwaukee, Wis.
See adv index at end of book
Hayward Co., 50 Church, New York
See adv index at end of book

HAYWARD BUCKETS
DIGGING MACHINERY
THE HAYWARD COMPANY
50 CHURCH STREET NEW YORK

Indianapolis Cable Excavator Co. ("Negley," Cableway), Indianapolis, Ind
Koehring Co., 31st and Concordia av, Milwaukee, Wis.
Le Clair S. D., 217 Hyde, San Francisco, Cal.
LINK-BELT COMPANY, 329 W Pershing rd, Chicago, Ill.
See adv index at end of book
Louer W. B. & Co. (Dirs), 11 E Harrison, Chicago, Ill.
Luther Frederick P. Co., 14 E. Jackson blvd Chicago, Ill.
McMyler-Interstate Co. (The), Cleveland, Ohio *See adv index at end of book*
Mansfield Engineering Co. ("Pioneer"), Fletcher Trust bldg, Indianapolis, Ind.
Marion Steam Shovel Co., P. O. Box 505, Marion, O.
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.
Monighan Machine Co. ("Monighan"), 2032 Carroll av, Chicago, Ill.
National Hoisting Engine Co., 325 Manor av, Harrison, N. J.
See adv index at end of book
Orton & Steinbrenner Co., 610H S Dearborn, Chicago, Ill.
Page Engng. Co., 189 W Madison, Chicago, Ill.
Sauerman Bros. (Cableway. The Sauerman Dragline Cableway Excavator. In spans up to 800 ft. and more. This excavator digs, conveys, elevates and dumps in one continuous forward operation, under one man control. Excavates from above or below water. Bucket returns to digging point by gravity. Operates with equal efficiency from above or below water. See our ad. opposite classification of cableways), 458 S. Clinton st, Chicago, Ill.
See adv index at end of book
SMITH T. L. CO., 1151 32nd, Milwaukee, Wis. *See adv index at end of book*
Stockton Iron Works (Gasoline), Lindsay & Harrison, Stockton, Cal.
Williams G. H. Co., Erie, Pa.
Young Iron Works, 2951 1st av S, Seattle, Wash.

4461— Excavators (Drainage)

Austin Machy Corp., Dorr at Westwood av, Toledo, Ohio
Gade C. L. (Full Turntable), Iowa Falls, Iowa
Harnischfeger Corp., Milwaukee.
See adv index at end of book
KEYSTONE DRILLER CO. ("Keystone"), Beaver Falls, Pa.
See adv index at end of book
McMyler-Interstate Co. (The), Cleveland, Ohio *See adv index at end of book*
Marion Steam Shovel Co., P. O. Box 505, Marion, O.
Monighan Machine Co., 2032 Carroll av, Chicago, Ill.
Northwest Engineering Works, 28 E Jackson blvd, Chicago, Ill.
Osgood Co., Marion, Ohio

4462—Excavators (Electric)

Bucyrus Co., S Milwaukee, Wis.

4462a—Excavators for Canal, Irrigation and Ditch Work

Byers Machine Co. (The), (Ditch & Trench), 242 Sycamore, Ravenna, Ohio
See adv index at end of book
Clyde Iron Works Sales Co., Duluth, Minn.
See adv index at end of book
HAYWARD CO., 50 Church, New York
See adv index at end of book

HAYWARD BUCKETS
DIGGING MACHINERY
THE HAYWARD COMPANY
50 CHURCH STREET NEW YORK

Keystone Driller Co., Beaver Falls, Pa.
See adv index at end of book

4463-4—*Excavators (Placer Mining)

Hayward Co., 50 Church, New York
See adv index at end of book

Excavators (Scraper Bucket)

See Excavators, Drag Bucket

4465— * Excavators (Skid)

HAYWARD CO., 50 Church, New York
See adv index at end of book

HAYWARD BUCKETS
DIGGING MACHINERY
THE HAYWARD COMPANY
50 CHURCH STREET NEW YORK

4466— Excavators (Steam)

See also Shovels, Steam
Bucyrus Co., S Milwaukee Wis
Byers Machine Co., The, 242 Sycamore, Ravenna, O. *See adv index at end of book*
Clyde Iron Works Sales Co., Duluth, Minn.
See adv index at end of book
Hayward Co., 50 Church, New York
See adv index at end of book
KEYSTONE DRILLER CO. ("Keystone"), Beaver Falls, Pa.
See adv index at end of book
McMyler-Interstate Co. (The), Cleveland, Ohio *See adv index at end of book*
Marion Steam Shovel Co., P. O. Box 505, Marion, O.
Meyer Henry H. Co. (Dirs), 110 S Howard, Baltimore, Md.
See adv index at end of book
Monighan Machine Co. (Drag Bucket), 2032 Carroll av, Chicago, Ill..
Osgood Co., Marion, Ohio

4466a— *Excavators (Tower)

Bucyrus Co., S Milwaukee, Wis.
Clyde Iron Works Sales Co., Duluth, Minn.
See adv index at end of book

4466b— Excavators (Traction)

Clyde Iron Works Sales Co., Duluth, Minn. *See adv index at end of book*
Keystone Driller Co., Beaver Falls, Pa.
See adv index at end of book
McMyler-Interstate Co. (The), Cleveland, Ohio *See adv index at end of book*
Toledo Crane Co., Bucyrus, Ohio
Western Wheeled Scraper Co., Farnsworth, Aurora, Ill.

Excavators (Trench)

See Sewer & Trench Excavating Machines

4466c—Excavators & Loaders

Keystone Driller Co. ("Keystone"), Beaver Falls, Pa. *See adv index at end of book*
Smith T. L. Co. (Contractors' "Smith"), 1151 32nd, Milwaukee, Wis.
See adv index at end of book

4467— Excelsior Mfrs.

Allen Chas. M., Fulton, New York
Alpena Excelsior Co. (Also Wood, Wool), Alpena, Mich.
American Fibre Co. (Palm Leaf Mattress), Jacksonville, Fla.
AMERICAN FOREST PRODUCTS CO., 24th and Race, Philadelphia, Pa.
See adv index at end of book
ATLANTIC EXCELSIOR MFG. CO., INC., 507-509 W. 30th, New York
See adv index at end of book
Bartlett Excelsior Co., Melvin Mills, N. H
Batesville Excelsior Co. (Mats for Furniture & Egg Packing), Batesville, Ark.
Berry O. P. Co., Wolfeboro Falls, N. H.
Boston Excelsior Co., 26 Canal, Boston, Mass.
BOSTON EXCELSIOR CO., 562 W 29th, New York
Carman Mfg. Co., H & 25th, Tacoma, Wash.
Cooper Excelsior Works, Columbus, Ga.
Dalton Excelsior Co., Dalton, Ga.
Detroit Excelsior Works, 9150 Russell, Detroit, Mich.
Du Pree Mfg. Co., Atlanta, Ga.
Eugene Excelsior Co., Eugene, Ore.
Excelsior Supply Co., 40th and King, Cleveland, Ohio
EXCELSIOR WRAPPER CO., 224 W Kinzie, Chicago.
See adv index at end of book
EXCELSIOR WRAPPER CO., Grand Rapids, Mich.
See adv index at end of book
EXCELSIOR WRAPPER CO., Sheboygan, Wis.
See adv index at end of book
Farnham J. F. Union N. H.
Fox J. W. Excelsior Co., Grand Rapids, Mich.
Harmon F. S. & Co., 1938 Pacific av, Tacoma, Wash.
Herne J. F. Co., Charlestown District, Boston 29, Mass.
High Point Veneer & Panel Co., High Point, N. C.
Hornbeck J. K. & Son, Hancock, N. Y.
Jenks & Muir Mfg. Co., 6441 Hastings, Detroit, Mich.
Laird & Wilson Mfg. Co., Crandon, Wis.
Lord W. M. Co., Union, N. H.
Lyons Geo. P. Excelsior Co., Woodford, Va.
Malone Excelsior Co., Malone, N. Y.
Marinette-Green Bay Mfg. Co., Marinetta, Wis.
Means Justin, Edgar, Wis.
Merchants & Mfrs. Supply Co., Chelsea, Mass.
Meridian Mattress Factory, Meridian, Miss.
Minneapolis Mfg. Co., 5th av & S E & E Hennepin, Minneapolis, Minn.
Morris-Jones-Brown Mfg. Co., Dubuque, Ia.
Nashua Spool & Bobbin Co. (All Grades, Natural or Fireproofed), Haverhill National Bank bldg., Haverhill, Mass.
National Paper Excelsior Co., 1415 Folsom, San Francisco, Cal.
Oshkosh Excelsior Mfg. Co., Oshkosh, Wis.
Paper Excelsior Co., 160 Holgate, Seattle, Wash.
Payne & Co., Dayton, O.
Peden W. H. Excelsior Co., Fredericksburg, Va.
Pensacola Excelsior Co., Pensacola, Fla.
Petersburg Excelsior Mills, Petersburg, Va.
Phila. Excelsior Co., 716 N 3rd, Philadelphia, Pa.
Phillips Excelsior Co. (Extra Long Green, for Pipe Cores & Dry for All Purposes), Lndn. & Long, Chattanooga, Tenn.

Portland Mfg. Co., Ft. Richmond, Portland, Ore.
Rice Lake Excelsior Co., Rice Lake, Wis.
Sacramento Wire Mattress Co., Sacramento, Cal.
SELLE H. W. & CO., 1012 N. Halsted, Chicago, Ill.
See adv index at end of book
Sheffield F. E., Mooers, N. Y.
Terre Haute National Bedding Co., Terre Haute, Ind.
Virginia Excelsior Co., Fredericksburg, Va.
Washington Excelsior & Mfg. Co., Edmonds, Wash.
Whitney H. W., 305 S La Salle, Chicago, Ill.

4468— Exercisers

Bailey C. J. & Co., 88 Broad, Boston, Mass.
Hill-Standard Mfg. Co., Anderson, Ind.
Newcomb Spring Co., 237 40th, Brooklyn, N. Y. *See adv index at end of book*
Reliance Spring & Mfg. Co., Inc., 3911 2d, B'klyn, N. Y.
Whitely Exerciser Co., 258 Broadway, New York

4468a— Exchangers (Heat)

Alberger Heater Co., Buffalo, N. Y.
Badger E. B. & Sons Co., 75a Pitts, Boston, Mass. *See adv index at end of book*
Chicago Bridge & Iron Wks., 2105 Transportation bldg, Chicago, Ill.
See adv index at end of book
Knight Maurice A., Akron, O.
Roos Chas. A., 429 E 91st, New York
Southwestern Engineering Co., 606 S Hill, Los Angeles, Cal.
Triumph Ice Machine Co., Oakley, Cincinnati, O.

4469— Exhaust Heads

ABENDROTH & ROOT MFG. CO. ("Root" & "Hudson"), Newburgh, N. Y.
See adv index at end of book
AM. SPIRAL PIPE WORKS, Box 485 & 50 Church, New York
See adv index at end of book
Atwood & Morrill ("XX Century"), 48 Loring av, Salem, Mass.
BURT MFG. CO. ("Burt" & "Standard"), 40 Main, Akron, O.
See adv index at end of book

"BURT"
"STANDARD"
EXHAUST HEADS
The Burt Mfg. Co.
40 Main St., AKRON, OHIO

Chicago Eng. Supply Co. ("Champion"), 68 W Lake, Chicago, Ill.
Connecticut Blower Co., Inc. (For Exhaust Steam Pipe), 345 Trumbell, Hartford, Conn.
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Direct Separator Co. ("Sweet"), Syracuse, N. Y.
Dixie Mfg. Co. ("Dixie"), Russell & B. & O. R. R., Baltimore, Md.
Elliott B. K. Co., 126 6th av, Pittsburgh, Pa.
Empire Blower & Pipe Co. (Steam), Rochester, N. Y.
Garrett W. D. & Co., 118 E. 28th, New York
Hoppes Mfg. Co. (Cast Iron), Springfield, Ohio
Hussey, McCann & Co., 87 Warren, New York
Industrial Instrument Co. ("Eclipse"), Foxboro, Mass.
Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cincinnati, O.
Linton Machine Co., 101 Park av, New York
Littleford Bros., 444 E Pearl, Cincinnati, Ohio
See adv index at end of book
McAlear Mfg. Co., 1901 S Western av, Chicago, Ill.
Marshall Foundry Co., 28th & R. R., Pittsburgh, Pa.
Miller J. K. Co. ("Western"), Seattle, Wash.
National Blow Pipe & Mfg. Co., 738 Dryades, New Orleans, La.
PATTERSON KELLEY CO., 804 Architects bldg, New York
See adv index at end of book
Pittsburgh Gage & Supply Co. ("Pittsburgh," Vacuum & "Gaco"), 30th & Liberty av, Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Royal Ventilator Co. ("Royal"), 415 Locust, Philadelphia, Pa.
Ruggles-Klingemann Mfg. Co. ("R. K."), (Cast Iron), Salem, Mass.
Rutzler Enoch Co., 404 E 49th, New York
Simmons John Co. (All Kinds), 110 Centre, New York
See adv index at end of book
Skinner Bros. Mfg. Co., Vandeventer & Boyle, St. Louis, Mo.
Standard Steam Specialty Co. ("Utility"), 366 3rd av, New York
Stein John J. ("Stein"), 30 Clay, Brooklyn, N. Y.
Sterling Blower Co. ("Sterling" Steam), Hartford, Conn.
Strandwitz & Scott ("Common Sense"), Camden, N. J.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Swartwont Co. ("Swartwont" Cast Iron), 18515 Euclid av, Cleveland, Ohio
Taylor Machine Works (Cast Iron), Battle Creek, Mich.
Williams Franklin Inc. ("Neverust," "Everlast"), 39 Cortlandt, New York
Wright-Austin Co. ("Cyclone," "Wright-Austin" Cast Iron), 97 Woodbridge W, Detroit, Mich.

4470—Exhaust & Blow Piping

Abendroth G. Irving Co. (Straight Riveted Flanged), 10 E 43d, New York
Allen E. H. Co., 22 Dorrance, Boston, Mass.
Allen Engineering & Mfg. Co., Savannah, Ga.
ALLINGTON & CURTIS MFG. CO., 1500 Holland av, Saginaw, Mich.
AMERICAN SPIRAL PIPE WORKS, Box 485, Chicago, Ill. & 50 Church, New York *See adv index at end of book*
Archer Blower & Pipe Co., Seattle, Wash.
Astle H. J. & Co., 118 Orange, Providence, R. I.
Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
Breese Bros. Co., The, 2349 Reading road, Cincinnati, O.
See adv index at end of book

The Breese Bros. Company
SHEET METAL WORK
Dust Collecting Systems
Vent Ducts
Blow Pipe and Fittings
2347 Reading Rd., Cincinnati, Ohio

Buckeye Blower Co., 425 W Town, Columbus, Ohio *See adv index at end of book*
Burns H. J., 2124 Atlantic, Spokane, Wash.
Carlisle & Gale Co., 575 Albany, Boston, Mass.
Chattanooga Blow Pipe & Roofing Co., 1040 McC. av, Chattanooga, Tenn.
Clarage Fan Co., North & Porter, Kalamazoo, Mich. *See adv index at end of book*
Cleveland Blow Pipe & Mfg. Co., 6950 Kinsman rd, Cleveland, O.
Cushing Daniel & Co., Lowell, Mass.
Cyclone Blow Pipe Co., 2552 W 21st, Chicago, Ill.
Day Co., 1004 Lyndale, Minneapolis, Minn.
Dixie Mfg. Co., Russell & B. & O. R. R., Baltimore, Md.
Empire Blower & Pipe Co., Rochester, N. Y.
Gerkin J. D. Co., Toledo, Ohio
Grand Rapids Blow Pipe & Dust Arrester Co., Grand Rapids, Mich.
Haines Co., 1933 W Lake, Chicago, Ill
Hayes P. J. & Co., E. 1828 3rd, Spokane, Wash.
Holzer R. G. (Est. of), 317 Burgundy, New Orleans, La.
Invincible Blow Pipe Co., 1822 N. Lamon av, Chicago, Ill.
Kalamazoo Sheet Metal Mfg. Co., Kalamazoo, Mich.
Kelker Blower Co. Inc., 2383 Fillmore av, Buffalo, N. Y.
See adv index at end of book
Kiechler Mfg. Co., Wade & Denman, Cincinnati, O.
LARKIN & CO. J. K., 253 Broadway, New York *See adv index at end of book*
LEE THOMAS & SON CO., 128-132 W 2nd, Cincinnati, Ohio
See adv index at end of book
Littleford Bros., 444 E Pearl, Cincinnati, Ohio *See adv index at end of book*
Mannen John E. Co., 2247 St. Clair, Cleveland, O.
Marshall Blow Pipe Co. (Blow), 7431 Dubois, Detroit, Mich.
Miller John K. Co., 1800 9th, Seattle, Wash.
Monarch Engineering & Mfg. Co., American bldg, Baltimore, Md
National Blow Pipe & Mfg. Co., 738 Dryades, New Orleans, La.
National Blower Pipe Co., 1127 St. Paul av, Tacoma, Wash.
New Haven Sand Blast Co. ("New Haven"), 6 Church, New Haven, Conn.
New Orleans Roofing & Metal Co. ("Nola"), Cortez & Orleans, New Orleans, La.
Ohio Body & Blower Co., 9300 Detroit av, Cleveland, Ohio
Pacific Blow Pipe Co., 116 E 11th N, Portland, Ore.
Peterson Bros., 150 Steuart, San Francisco, Cal.
Piper J. A. Roofing Co., Greenville, S. C.
Porbeck Dust Arrester & Blow Pipe Co., 2017 B'way, St. Louis, Mo.
REES BLOW PIPE MFG. CO., 340 7th, San Francisco, Cal., and 3636 S. Alameda, Los Angeles, Cal.
St. Louis Blow Pipe & Heating Co., 1948-60 N 9th, St. Louis, Mo.
Savannah Blow Pipe Co., Savannah, Ga.
Shaw Benj. F. Co., Wilmington, Del.
Shreveport Blow Pipe & Sheet Iron Works, Shreveport, La.
Skinner Bros. Mfg. Co., Vandeventer & Boyle, St. Louis, Mo.
Standard Sheet Metal Mfg. Co., Washington, Pa.
Stein John J. (Spiral & Straight Riveted Flange), 30 Clay, Brooklyn, N. Y
Sterling Blower Co., Hartford, Conn.
Strandwitz & Scott, Camden, N. J.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Venderbush & Co., 617 Larned, Detroit, Mich.
VULCAN SHEET METAL & MFG. CO., 45 Fulton, New York
Wesco Blower & Pipe Co. ("Wes-Co."), 1739 E 14th, Oakland, Cal.
Western Blow Pipe & Sheet Metal Co., 2574 S. 7th, St. Louis, Mo.
Wright-Austin Co. ("Cyclone" Cast Iron), 315H Woodbridge W., Detroit, Mich.
York Heating & Ventilating Corp., Dept. H, Bridgeport, Pa.
Young Bros. Co., 6500 H Mack av, Detroit, Mich.

4471— Exhausters (Acid)

BAKER EDW. J. & CO., 608 Otis bldg, Chicago, Ill.
Buffalo Forge Co., 490 B'way, Buffalo, N. Y.
Durion Castings Co., Dayton, O.
General Ceramics Co. (Stoneware), 50 Church, New York
Graham Chas. Chemical Pottery Works (Stoneware), 986 Metr. av, Brooklyn, N. Y.

4471a—Exhausters (Cotton)

Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
Buckeye Blower Co., 425 W Town, Columbus, Ohio. *See adv index at end of book*
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.

4472— Exhausters (Electric)

ALLEN & BILLMYRE CO., INC. (Rotary and Centrifugal exhausters), Grand Central Palace, New York
See adv index at end of book

TABCO Centrifugal and Rotary
EXHAUSTERS
Motor or turbine operated
ALLEN & BILLMYRE CO., Inc.
Engineers—Manufacturers
Grand Central Palace New York

American Blower Co., 6004 Russell, Detroit, Mich.
BAKER EDW. J. & CO., 608 Otis bldg, Chicago, Ill.
Buffalo Forge Co., 490 B'way, Buffalo, N. Y.
Buckeye Blower Co., 425 W Town, Columbus, Ohio. *See adv index at end of book*
Electric Blower Co. ("Marvel"), 352 Atlantic av, Boston, Mass.
Green Fuel Economizer Co., Beacon, N. Y.
Howard & Morse, 45 Fulton, New York
Ilg Electric Ventilating Co., Crawford av, near Diversey blvd, Chicago, Ill.
Mechanical Appliance., Milwaukee, Wis.
National Blow Pipe & Mfg. Co., 738 Dryades, New Orleans, La.
Rockwell W. S. Co., 50 Church, New York
See adv index at end of book

4473— Exhausters (Gas)

Allen & Billmyre Co., Inc., Grand Central Palace, New York
See adv index at end of book
American Blower Co., 6004 Russell, Detroit, Mich.
Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Buffalo Forge Co., Buffalo, N. Y.
Combustion Utilities Corp., 8-10 Bridge, New York
Connersville Blower Co., Connersville, Ind.
Garden City Fan Co., 332 S Mich. av, Chicago, Ill.
Gas Machy. Co., 1900 Euclid av, Cleveland, O.
Green Fuel Economizer Co., Beacon, N. Y.
Hersh Bros. Co., Allentown, Pa.
Howard & Morse, 45 Fulton, New York
Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*
Isbell-Porter Co. ("Mackenzie"), 46 Bridge, Newark, N. J.
Kruger & Blind Co., 511 Master, Phila., Pa
New York Blower Co., Archer av & Canal Chicago, Ill. Works: Bucyrus, O.
Parson Mfg. Co. ("Parson"), 535 Livingston, New York

(Continued on following page)

Exhausters (Gas)—Continued

Rockwell W. S. Co., 50 Church, New York. *See adv index at end of book*
Roots P. H. & F. M. Co. (& Fittings), Connersville, Ind.
SCHUTTE & KOERTING CO., 1251 N 12th, Philadelphia, Pa.
See adv index at end of book
Smith Gas Engineering Co., Dayton, O.
See adv index at end of book
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Surface Combustion Co. The, 334 Gerard av, Bronx, New York
See adv index at end of book
Syracuse Industrial Gas Co., 210 S. Geddes, Syracuse, N. Y.
Western Gas Construction Co., 1431 Buchanan, Fort Wayne, Ind.
Wilbraham-Green Blower Co.

4474—Exhausters (Planing Mill, Etc.)

Allington & Curtis Mfg. Co., 1500 Holland av, Saginaw, Mich.
American Blower Co., 6004 Russell, Detroit, Mich.
Archer Blower & Pipe Co., 8th av S & Edmonds, Seattle, Wash.
Baker Edw. J. & Co., 608 Otis bldg, Chicago Ill.
BAYLEY MFG. CO. (Single & Double Steel Plate), 66 Greenbush, Milwaukee, Wis.
Buckeye Blower Co., 425 W Town, Columbus, Ohio. *See adv index at end of book*
Buffalo Forge Co., Buffalo, N. Y.
Burns H. J., 2124 Atlantic, Spokane, Wash.
Carlisle & Gale Co., 575 Albany, Boston, Mass.
Champion Blower & Forge Co. ("Champion"), Lancaster, Pa.
Dixie Mfg. Co., Russel & B. & O. R. R., Baltimore, Md.
Garden City Fan Co., 332 S Michigan av, Chicago, Ill.
Green Fuel Economizer Co., Beacon, N. Y.
Hayes P. J. & Co., E. 1828 3rd, Spokane, Wash.
Hersch Bros. Co. ("Lehigh"), 645H Mill, Allentown, Pa.
Howard & Morse, 45 Fulton, New York
Indiana Fan Co., 40 E South, Indianapolis, Ind.
Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cincinnati, O
Lee Thomas & Son Co., 128-132 W 2nd, Cincinnati, Ohio
See adv index at end of book
Massachusetts Blower Co., Watertown, Mass.
Miller J. K. Co. ("Western"), Seattle, Wash.
National Blower Pipe Co., 1127 St. Paul av, Tacoma, Wash.
National Blow Pipe & Mfg. Co., 738 Dryades, New Orleans, La.
New York Blower Co., Archer av & Canal, Chicago, Ill. Works: Bucyrus, O.
NORTHERN BLOWER CO. (THE), Denison and W. 65th, Cleveland, Ohio.
See adv index at end of book
REES BLOW PIPE MFG. CO., 340 7th, San Francisco, Cal., and 3636 S. Alameda, Los Angeles, Cal.
Skinner Bros. Mfg Co., Vandeventer & Boyle, St. Louis, Mo.
Sterling Blower Co. ("Sterling"). Hartford, Conn.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Wesco Blower & Pipe Co. ("Wes-Co"), 1739 E. 14th, Oakland, Cal.
Western Blow Pipe Co., 2524 S 7th, St. Louis, Mo.
Western Blower Co., 1800 9th av S, Seattle, Wash.
York Heating & Ventilating Corp., Dept. H., Bridgeport, Pa.

4475—Exhausters (Pump & Engine Starting)

Schutte & Koerting Co., 1251 N 13th, Phila., Pa. *See adv index at end of book*

4476—Exhausters (Steam Jet)

See also Gas Works Apparatus & Construction

Allen & Billmyre Co., Inc. (Steam aspirators for vacuum), Grand Central Palace, New York
See adv index at end of book
Isbell-Porter Co., 46 Bridge, Newark, N. J.
Schutte & Koerting Co., 1251 N 12th, Phila., Pa. *See adv index at end of book*



For exhausting air or gases from pump lines, vacuum kettles, chemical chambers, etc. No moving parts; large capacity. *Catalog 4-E.*

Schutte & Koerting Co.
1251 North 12th Street
Philadelphia, Pa.

4477—Exhausters (Turbine Driven)

Allen & Billmyre Co., Inc., Grand Central Palace, New York
See adv index at end of book
Buffalo Forge Co., 490 B'way, Buffalo, N. Y.
De Laval Steam Turbine Co., East Trenton, N. J.
See adv index at end of book
Sturtevant B. F. Co. ("Sturtevant") 15H Damon, Hyde Park, Mass.

4478-9— Exhibitors (Rug)

Best John H., Galva, Ill.
Concrete Steel Co., 42 Broadway, New York
GENERAL FIREPROOFING CO., Youngstown, O. *See adv index at end of book*

4480— Expanders (Hose)

Elkhart Brass Mfg. Co., Elkhart, Ind.
Hayward S. F. & Co., 250 W 54th, New York
Larkin Mfg. Co. ("Buckley" Hydraulic), Dayton, O.
Morse A. J. & Son, Inc., 221 High, Boston, Mass.
Sherman H. B. Mfg. Co., Battle Creek, Mich.

4481— Expanders (Tube)

See also Pneumatic Flue Expanders

Ajax Mfg. Co. ("Collins" Self-Feed & "Pittsburg" Roller ½" to 6"), 848 Jackson, Pittsburgh, Pa.
Bullock Chas. K. (Boiler), 1357 Ridge av, Phila., Pa.
Crane Co. (Boiler), 836 S Michigan av, Chicago, Ill. *See adv index at end of book*
Dudgeon Richard (Boiler), 24 Columbia, New York
Faessler J. Mfg. Co. ("Boss Roller," "Universal" Roller Flue, etc), Moberly, Mo.
Godfrey Keeler Co., 70 Warren, New York.
Helwig Mfg. Co. ("Helwig" Hand & Power, Self-Feeding Flue), St. Paul, Minn.
Henderer's A. L. & Sons ("Ferguson," "High Speed," Self Feed Rolled), Wilmington, Del.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
King A. R. Mfg. Co., Kingston, N. Y.
Lovejoy Tool Works (All Steel Ball Bearing Self-Feeding Roller, for Hand or Power, also Sectional Spring), 319 W Ohio, Chicago, Ill.
See adv index at end of book
Nicholson W. H. & Co. ("Nicholson" Self-Feeding & Self-Releasing Roller), Wilkes-Barre, Pa.
Oswego Tool Co. ("World's Champion" Spring, Oswego, N. Y.
Prosser Thos. & Son ("Prosser" Boiler), 15 Gold, New York
RYERSON JOS. T. & SON, INC. (Twisted Drills), 2558 W. 16th, Chicago, Ill.
See adv index at end of book
Scully Steel & Iron Co., 1127 Continental Bk. bldg, Chicago, Ill.
Wiedeke Gustav & Co. ("Ideal," Self-Feed Roller, "Dayton," "Standard" Rollers "Victor," "Heine," "B. & W.," Water Tube Expanders), Dayton, O.

4482—Expansion Shields & Bolts

Ankyra Mfg. Co., 144 Berkley, Wayne, Jct., Philadelphia, Pa.
Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book
Savage Expansion Bolt Corp. ("Savage" Pressed Steel), 9 Desbrosses, New York
Star Expansion Bolt Co. ("Sebco"), 147 Cedar, New York.

4482a—Expellers—Ash (S.S.)

McNab Co. ("Stones"), Bridgeport, Conn.

4483—Expellers (Oil & Moisture)

ANDERSON V. D. CO. ("Anderson"), W 96th, Cleveland, O.
See adv index at end of book

4484— Exploders

See also Blasting Fuses, Cap, etc

Atlas Powder Co., Wilmington, Del.
DU PONT E. I. de NEMOURS & CO., INC., Explosives & Smokeless Powder Depts. (see adv. at Explosives), Wilmington, Del.
See adv index at end of book
Giant Powder Co. Cons., 1st National Bank bldg, San Francisco, Cal.
Hercules Powder Co., Wilmington, Del.

4485— Exploders (Cartridge)

Susquehanna Casting Co., Wrightsville, Pa.

4486—Exploders (Paper Cap)

Wrightsville Hardware Co. ("Dewey" & "Yellow Kid" Bombs), Wrightsville, Pa.

4487—Explosives (All Kinds)

See also Powder Mfrs., Dynamite Mfrs., etc.

Am. Glycerin Co. (Nitro Glycerine), Dept. H, Wilmington, Del.
Atlas Powder Co. "Atlas" non Freezing), Wilmington, Del.
DU PONT E. I. de NEMOURS & CO., INC., Explosives & Smokeless Powder Depts. (Dynamite, Blasting Powders, Sporting Powders) (see adjacent adv.), Wilmington, Del.
See adv index at end of book
Egyptian Powder Co., East Alton, Ill.
General Explosives Co., 7 S. Dearborn, Chicago, Ill.
Giant Powder Co. Cons. ("Coalite," "Giant," Non Freezing "Miners' Friend," "Vigorite"), First National Bank bldg, San Francisco, Cal.

4488— Explosives (Blasting)

Atlas Powder Co., Wilmington, Del.
DU PONT E. I. de NEMOURS & CO., INC., Explosives & Smokeless Powder Depts. (see adjacent adv.), Wilmington, Del.
See adv index at end of book
Giant Powder Co. Cons., 1st National Bank bldg, San Francisco, Cal.
HERCULES POWDER CO.
Wilmington, Del.
McAbee G. R. Powder & Oil Co., Oliver bldg, Pittsburgh, Pa.

4488a— *Explosives (High)

Atlas Powder Co., Wilmington, Del.
DU PONT E. I. de NEMOURS & CO., INC., Explosives & Smokeless Powder Depts. (see adjacent adv.), Wilmington, Del.
See adv index at end of book
Giant Powder Co. Cons., San Francisco, Cal.

4488b—Explosives (Metal Mining)

Giant Powder Co. Cons., San Francisco, Cal.
Hercules Powder Co., Wilmington, Del.
Phoenix Fire Extinguishing Co., Norwich., Conn.

4489—*Explosives (Permissible)

Atlas Powder Co. ("Coalite"), Wilmington, Del.
DU PONT E. I. de NEMOURS & CO., INC. (Explosives & Smokeless Powder Dept.), Wilmington, Del.
See adv index at end of book
Equitable Powder Mfg. Co., East Alton, Ill.
Giant Powder Co. Cons., 1st National Bank bldg, San Francisco, Cal.
HERCULES POWDER CO.
Wilmington, Del.

4490— Extension (Bit Brace)

Goodell-Pratt Co., Greenfield, Mass.

4491— Extensions (Pole)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

4492— Extensometers

Taylor Instrument Companies ("Ewing"), Rochester, N. Y.
Wissler A., B'way & Wash'n av, St. Louis, Mo.

4493— Extract (Archil)

Bird J. A. & W. & Co. (Agents for Clemons, Marshall & Carbet, Leeds, England), 348 Concord sq, Boston, Mass.
Innis, Speiden & Co., 46 Cliff, New York

4493a— Extract (Divi Divi)

Fergusson, Alex. C. Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Hunnell & Co., Inc., 136 Liberty, New York.
Imperial Color Works, Inc., Glens Falls, N. Y.
Young J. S. & Co., Hanover, Pa.

4493b— Extract (Fustic)

American Dyewood Co., 100 E. 42nd, New York
Fergusson, Alex. C. Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Jamaica Dyewood & Chemical Co., 50 Church, New York.
Sergeant E. M. Co. (Liquid & Solid), 131 Cedar, New York

4493c— Extract (Quercitron)

American Dyewood Co., 100 E. 42nd, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*

(*Continued on page* 1030)

1802 DU PONT 1924

Explosives and Blasting Accessories

UPON the selection of suitable explosives for contracting, mining or construction work depends to a large extent economical, expeditious and satisfactory progress. To purchasers of explosives, the du Pont Company offers an extensive variety of explosives based on the experience of 122 years of activity in the explosives industry. It has twenty-four powder plants situated at strategic points to serve its customers and to ensure to them an adequate supply of efficient explosives.

High Explosives and Blasting Powder

For contracting, ore mining and quarrying, the following brands of du Pont Explosives are widely used: Red Cross Extra; Red Cross, du Pont and Quarry Gelatin; Blasting Gelatin; du Pont Straight (Nitroglycerin); Durox, du Pont, Pacific and Repauno Stumping Powders.

For railroad construction and excavations, specify Red Cross Extra, du Pont, Quarry and Red Cross Gelatins where rock is encountered; du Pont, Pacific and Repauno Stumping Powders where shale and clay are located. du Pont RRP (railroad powder) for open work that is comparatively dry—is also extensively used.

For clearing land of stumps and boulders. Red Cross Extra and Improved Pacific Stumping Powder.

Coal mining. The du Pont Company makes two kinds of explosives for blasting coal—Blasting Powder and Permissible Explosives.

Blasting powder. This is made in a variety of granulations to permit selecting and using the granulation best adapted to mining requirements. There are two grades—"A" Blasting containing saltpetre and the "B" Blasting having nitrate of soda as one of its ingredients. Each kind is packed in 25-pound steel kegs with a special type of opening to facilitate removal of powder.

Permissible explosives. For blasting in gaseous and dusty coal mines, specify Monobel, Carbonite, Gelobel or Duobel which are approved by the Bureau of Mines.

Each of these brands has several different varieties, thereby providing a type of explosive exactly adapted to coal mining conditions. All are low-freezing—the thawing hazard being practically eliminated.

Permissible Explosives are made in cartridge form and packed in cases containing about 50 pounds, net weight. The number of cartridges in a 50-pound case is variable owing to the composition, method of packing and dimensions of cartridges.

Specific information concerning any brand of du Pont explosives will be furnished promptly if inquiry is addressed to any of our Branch Offices listed in the Address and Local Distributors Section of this book.

Blasting accessories. To obtain the maximum efficiency of du Pont Explosives, use the Blasting Accessories made by the du Pont Company. Its 122 years of experience in the development and production of explosive and detonating agents is your assurance of reliable and efficient performance of any of the following Blasting Accessories:

Blasting Caps, Electric Blasting Caps, Blasting Machines, Galvanometers, Rheostats, Delay Electric Blasting Caps, Delay Electric Igniters, Leading Wire, Cap Crimpers and Fuse.

A copy of our Blasting Accessories Catalog giving a complete description of du Pont Blasting Accessories may be obtained by sending request to any of our Branch Offices listed in the Address and Local Distributors Section of this book.

Sporting and Military Powders for All Purposes

The du Pont Company manufactures a wide variety of powders adapted to the requirements of modern firearms of standard types. Its products have a world-wide reputation for dependability under all conditions where du Pont powders were subjected to the most exacting tests.

Detailed information regarding Sporting and Military Powders will be supplied promptly by any of our Branch Offices whose addresses are given in the Address and Local Distributors Section of this book.

Since 1802 the du Pont Company has produced explosives of various types to comply with the varied requirements of explosives users. It has acquired a vast amount of practical knowledge about the actual performance of certain types of explosives when used for a particular purpose. If you have an explosive problem, tell us what it is—its solution is very likely known to us. Why not avail yourself of this type of service rendered by the leaders in the explosives industry?

E. I. DU PONT DE NEMOURS & CO., Inc.

Explosives Department, Wilmington, Delaware

See Advertisement of Sporting Powders at Powder.

See list of Branch Offices in Address and Local Distributors Section.

Extract (Quercitron)—Continued

Imperial Dyewood Co., Inc., Glens Falls, N. Y.
Kuttroff Pickhardt & Co., Inc., 128 Duane, New York.
Marden Orth & Hastings Corp., 61 B'way, New York.
Taylor White Extracting Co., Camden, N. J.
Young J. S. & Co., Hanover, Pa.

Extract Wood Chippers

See Chippers & Shredders (Extract & Dyewood)

Extract Wood Shredders

See Chippers & Shredders (Extract & Dyewood)

4493d—Extractor Baskets (Metal)

Hamilton Copper & Brass Works, Hamilton, Ohio
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

4494— Extractors (Barley)

Huntley Mfg. Co. ("Monitor" for Extracting Barley from Other Grain), Silver Creek, N. Y.

4495-6— Extractors (Boll)

Alsop Process Co. ("Alsop"), 606 S 6th, St. Louis, Mo.

Extractors (Cork)

See Pullers, Cork.

4497—Extractors (Cotter Pin)

Boder Cutlery & Hardware Co. ("Alsteel"), 101 Duane, New York
Braunsdorf-Mueller Co., Elizabeth, N. J.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Chapin Stephens Co., Pine Meadow, Conn.
Goodell-Pratt Co., Greenfield, Mass.
Kraeuter & Co., 583 18th av, Newark, N. J.
Marcy Tool Works, Putnam, Conn.
Mossberg Frank Co. ("Mossberg" Puller & Spreader), Attleboro, Mass.
Plomb Tool Mfg. Co., 2209 Av Santa Fe, Los Angeles, Cal.
Vichek Tool Co. ("Vichek"), 8701 Mt. Auburn av, Cleveland, O.

4498—Extractors (Curd, Clothes Wringing)

Empire Laundry Machinery Co. ("Crawford"), 352 Western av, Boston, Mass.
Oat Joseph & Sons, 28 Quarry, Phila., Pa.
Troy Laundry Machinery Co. (Ltd.), (Solid Curd), 824 S. Michigan, Chicago, Ill.
Williamson H. E. Co. ("Domestic"), 22 Grace, San Francisco, Cal.

4498a—Extractors Dyewood & Tanning

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Lummus Walter E Co., 171 Milk, Boston, Mass.
Scott Ernest Co. ("Scott"), Fall River, Mass.

4499-500—Extractors (Garlic)

Huntley Mfg. Co. ("Monitor" for Extracting Garlic from Grain), Silver Creek, N. Y.

4501— Extractors (Honey & Beeswax)

Falconer W. T. Mgf., Co., Falconer, New York.
Kunkel Mfg. Co., 781 S San Pedro, Los Angeles, Cal.
Root A. I. Co., Medina, O.

4502— Extractors (Ingot)

Morgan Engineering Co., Alliance, Ohio
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
United Engineering & Foundry Co., Farmers Bk. bldg, Pittsburgh, Pa.

4503—Extractors (Lemon Juice)

Blessing Electric & Mfg. Co. ("Sunkist"), 154 Whiting, Chicago, Ill.
Cassady Fairbank Mfg. Co. (Aluminum), 6126 S La Salle, Chicago, Ill.

4504— Extractors (Mandrel)

United Engineering & Foundry Co. (Hydraulic and Belt Driven), Farmers Bk. bldg, Pittsburgh, Pa.

4505—Extractors (Meat Juice)

Wrightsville Hardware Co. ("Brighton") Wrightsville, Pa.

4506—Extractors (Oil & Grease)

See also Extractors, Steam & Oil.
Atwood & Morrill ("XX Century"), 48 Loring av, Salem, Mass.
BARTLETT & SNOW CO. C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
D'Olier Centrifugal Pump & Mach. Co., 165 B'way, New York.
Elliot Co., Dept. H., Jeanette, Pa.
Garrigue Wm. & Co. (Oil), 154 Nassau, New York, and 45th and Western, Chicago, Ill.
GRISCOM-RUSSELL CO. ("Reilly Multiscreen" & "Ebsen"), 92 West, New York *See adv index at end of book*
Hussey, McCann & Co. ("Peerless" Grease), 87 Warren, New York.
Jarvis Engine & Machine Works ("Monitor," Oil Only), Lansing, Mich.
Lummus Walter E. Co. (Solvent Process, Oil, Seeds & Resins), 171 Milk, Boston, Mass.
McAlear Mfg. Co., 1901 S Western av, Chicago, Ill.
National Separator & Machine Co. ("National," "Springfield"), 739 Boylston, Boston, Mass.
Robertson Jas. L. & Son ("Hines"), 78 Murray, New York
Schutte & Koerting Co., 1251 N 12th, Phila., Pa. *See adv index at end of book*
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Tolhurst Machine Co. (Chip), Dept H, Troy, N. Y.
UNITED MACHINE & MFG. CO., Canton, O.
Williams & Wells Co., 253 Fulton, New York *See adv index at end of book*

4506a— Extractors (Screw)

CLEVELAND TWIST DRILL CO. ("Ezy-Out"), 1 E 49th, Cleveland, O.
See adv index at end of book

4507— Extractors (Stone)

Huntley Mfg. Co. ("Monitor" for Extracting Stone from Grain, etc), Silver Creek, N. Y.

4508— Extractors (Tap)

Graham Mfg. Co., 96 Point, Providence, R. I.
Walton Co. ("Walton"), Hartford, Conn.

4509— Extractors (Tar)

Bartlett Hayward Co., Scott & McHenry, Baltimore, Md.
Buffalo Forge Co., Buffalo, N. Y.
Gas Machy. Co., 1900 Euclid av, Cleveland, O.
Isbell-Porter Co. ("P. & A." for Water Gas), 46 Bridge, Newark, N. J.
SMITH GAS ENGINEERING CO. ("Smith"), Dayton, Ohio
See adv index at end of book
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.

4510— Extracts (Bark)

Am. Extract Co. (Hemlock for Tanning), 10 S. La Salle, Chicago, Ill.
Heald Jno. H. & Co., Lynchburg, Va.
INDUSTRIAL CHEMICAL CO. (& Wood), 1414 Fifth Ave. bldg, New York
See adv index at end of book
Kuttroff Pickhardt & Co., Inc. (Selling agents), 128 Duane, New York
Marden, Orth & Hastings Co. (Hemlock, Chestnut, Oak, Spruce, etc), 136 Liberty, New York
Michigan Tanning & Extract Co. (Hemlock, etc), Petosky, Mich.
Smethport Extract Co. (Pure Hemlock), Exchange bldg, Boston, Mass.
Young John S. & Co., Hanover, Pa.

4511— Extracts (Dyewood)

American Dyewood Co., 100 E. 42nd, New York
Campbell John & Co., 75 Hudson, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Fuerst Bros. & Co. (Imported), 2 Stone, New York
INDUSTRIAL CHEMICAL CO. (Osage Orange, Aurantine, American Fustic), 1414 Fifth Ave. bldg, New York
See adv index at end of book
Jamaica Dyewood & Chemical Co. ("Rio D'Oro" Brand), 50 Church, New York
Klipstein A. & Co., 644 Greenwich, New York
Kuttroff Pickhardt & Co., Inc. (Selling Agents), 128 Duane, New York
Lewis John D., 63 Charles, Providence, R. I.
Leyland Thos. & Co., Readville, Boston, Mass.
McKenna J. L. & Co., 524 W B'way, New York
Marden, Orth & Hastings Co., 136 Liberty, New York
Rice Edward E. & Co., 620 Atlantic av Boston, Mass.
Sykes W. F. & Co. (Imp), 8 Lispenard, New York
United Indigo & Chemical Co. Ltd., 176 Federal, Boston, Mass.

4512— Extracts (Hemlock)

Hunnell & Co. Inc., 136 Liberty, New York
Imperial Color Works Inc., Glen Fals, N. Y.
Klipstein A. & Co., 644 Greenwich, New York
Marion Extract Co., Marion, Va.

4512a— Extracts (Hypernic)

American Dyewood Co., 100 E. 42nd, New York
Hunnell & Co., Inc., 136 Liberty, New York.
Imperial Dyewood Co., Inc., Glen Falls, N. Y.
Jamaica Dyewood & Chemical Co., 50 Church, New York
Taylor White Extracting Co., Camden, N. J.

4512b— Extracts (Indigo)

American Dyewood Co. (Dealer), 100 E. 42nd, New York
Arnold, Hoffman & Co., 55 Canal, Providence, R. I.
Fergusson, Alex. C. Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Klipstein A. & Co., 644 Greenwich, New York
Lewis John D. (Imported), 63 Charles, Providence, R. I.
Ransom L. E. Co. (Imp), 279 Pearl, New York
Rice Edward E. & Co., 620 Atlantic av, Boston, Mass.
United Indigo & Chemical Co. Ltd., 176 Federal, Boston, Mass.
Worden Chemical Works (Imp), 4 Cedar, New York

4513— Extracts (Logwood)

American Dyewood Co., 100 E. 42nd, New York
Campbell John & Co., 75 Hudson, New York
Fergusson, Alex. C. Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Jamaica Dyewood & Chemical Co., 50 Church, New York
Kuttroff Pickhardt & Co., Inc. (Selling Agents), 128 Duane, New York
Lewis John D., 63 Charles, Providence, R. I.
Leyland Thos. & Co., Readville, Boston, Mass.
Marden, Orth & Hastings Co., 136 Liberty, New York
National Gum & Mica Co. (Liquid & Solid), 12 West End av, New York
Sergeant E. M. Co. (Crystal Chips), 131 Cedar, New York
Starkweather & Williams Co., 47 Exchange pl, Providence, R. I.
U. S. Dye Products Co., 801 Vernon av, Long Island City, N. Y.
Wagner Chas A Co., Inc. (Crystals), 223 N Front, Phila., Pa.
Worden Chemical Works (Imp), 4 Cedar, New York

4513a— Extracts (Myrobalan)

Fergusson, Alex. C. Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Hunnell & Co., Inc., 136 Liberty, New York.
Imperial Color Works Inc., Glen Falls, N. Y.
Klipstein A. & Co., 644 Greenwich, New York
Young J. S. & Co., Hanover, Pa.

4514— Extracts (Quebracho)

Bauer Philip Co. (Imported), 53 Park pl, New York
Fergusson, Alex. C. Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Hunnell & Co., Inc., 136 Liberty, New York.
Klipstein A. & Co. ("Argam" & Ordinary), 644 Greenwich, New York
New York Quebracho Extract Co. (Solid & Liquid), 30 Maiden Lane, New York
Sergeant E. M. Co., 131 Cedar, New York
Tanners Extract & Chemical Works, Inc., Mariners Harbor, Staten Island, N. Y.

4514a— Extracts (Sumac)

Arnold, Hoffman & Co., 55 Canal, Providence, R. I.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Hunnell & Co., Inc., 136 Liberty, New York.
Imperial Color Works, Inc., Glen Falls, N. Y.
Kuttroff, Pickhardt & Co., Inc., 128 Duane, New York
National Gum & Mica Co., 12 West End av, New York
Oakes Mfg. Co., Long Island City, N. Y.
Young J. S. & Co., Hanover, Pa.
Zinser & Co., Hastings-on-Hudson, N. Y.

4515— Extracts (Tanning)

Am. Extract Co., 10 S La Salle, Chicago, Ill.
Champion Fibre Co., Hamilton, O.
Chilhowie Extract Co., Newport, Tenn.

RIVETS, EYELETS, HOOKS, GROMMETS, WASHERS, BUCKLES



STIMPSON 852 KENT AVENUE BROOKLYN, N. Y., U. S. A.

Let Our Assembly Service Department Recommend the Best Fastener and Attaching Machine for Your Next Job

Dennis Martin Co. ("Talolin"), 859 Summer av, Newark, N. J.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Fuerst Bros. & Co. (Imp), 2 Stone, New York
Heald Jno. H. & Co., Lynchburg, Va.
Industrial Chemical Co. (Chestnut, Hemlock & Larch), 1414 Fifth Ave. bldg, New York
See adv index at end of book
Klipstein A. & Co., 644 Greenwich, New York
Marden, Orth & Hastings Co., 136 Liberty, New York
Marion Extract Co., Marion, Va.
Martin Dennis Co. ("Tanolin"), 359 Summer av, Newark, N. J.
Mount Union Tanning & Extract Co., Mt. Union, Pa.
Muskegon Extract Co., Muskegon, Mich.
New York Quebracho Extract Co. (Quebracho, etc), 30 Maiden Lane, New York
Robeson Process Co. ("Spruce"), 200 5th av, New York
Rosman Tanning Extract Co., Rosman, N. C.
Smethport Extract Co. (Chestnut, Oak & Wood & Hemlock Bark), Exchange bldg, Boston, Mass.
Southern Extract Co., Lansdale, Knoxville, Tenn.
Stamford Extract Mfg. Co. (Quebracho, etc), 82 Wall, New York. Factory. Stamford, Conn.
Tanners Extract & Chemical Works, Inc., Mariners Harbor, Staten Island, N. Y.
United Indigo & Chemical Co., Ltd., 176 Federal, Boston, Mass.
Young John S. & Co. (Bark), Hanover, Pa.

4515a—Eye Glass & Spectacle Fittings, Frames & Mountings

American Optical Co. Southbridge, Mass.
Short W. P. (Metal & Tortoishell), 99 Chestnut, Newark, N. J.

Eye Glasses

See Lenses

Eye Shades

See Goggles & Eye Protectors

4516— Eyelet Sets

Eylet Tool Co., 190 Dorchester av, Boston, Mass.
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book

4516a— Eyelets (All Metals)

Am. Ring Co., 531 Bank, Waterbury, Conn.
Dallas Brass & Copper Co. (Brass, Copper and Steel), 820H Orleans, Chicago, Ill.
Empire Elec. & Mfg. Co., Plainville, Conn.
Grammes L. F. & Sons, 311 Union Allentown, Pa.
See adv index at end of book
Peufield William W., Inc., 597 Pacific, Stamford, Conn.
Scovill Mfg. Co. (to order only), Waterbury, Conn. *See adv index at end of book*
STIMPSON EDWIN B. CO. (Round & oval tongue for envelopes, oblong for leggins, shoulder closed end), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Waterbury Brass Goods Corpn., Waterbury, Conn.
WATERBURY BUTTON CORP., 831 S Main, Waterbury, Conn.
See adv index at end of book
Waterbury Mfg. Co., Waterbury, Conn.

4517—Eyelets (Carriage, Etc.)

Crandal-Stone Division (The Brewer-Titchener Corp.), Binghamton, N. Y.
Monarch Carriage Goods Co., 2842 Spring, Cincinnati, Ohio
Neider F. A. Co., Augusta, Ky.
Rimmon Eyelet Co., Seymour, Ct.
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
See adv index at end of book

Eyelets (Knob)

See Eyelets, Carriage, etc

4518— Eyelets (Shoe, Etc.)

Agatine Shoe Hook & Eyelet Co., 258 Norfolk, Newark, N. J.
Hughes Eyelet Co., Taunton, Mass.
Platt Bros. & Co., Waterbury, Conn.
Rhodes J. C. & Co. (Shoe, Tag & Corset), New Bedford, Mass.
Rimmon Eyelet Co., Seymour, Conn.
S. O. & C. Co. (Shoe, Corset, etc), Ansonia, Conn.
Sibley E. L. Mfg. Co., Bennington, Vt.
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
United Shoe Machinery Co. (All Kinds, Fast Color), 205 Lincoln, Boston, Mass.
Waterbury Brass Goods Corp., Waterbury, Conn.
Waterbury Mfg. Co., Division Chase Companies, Inc., Waterbury, Conn.

4519— Eyers (Pineapple)

Crown Pitter Co., Cleveland, O.
Reading Saddle & Mfg. Co. (Combined with Strawberry Huller), Reading, Pa.
White Ira F. & Son Co., Bloomfield, N. J.

4519a— Eyes (Artificial)

Babbitt James P. (Glass), Taunton, Mass.
Kohler Bros., 129 E 23rd, New York
Mager & Gouglemann, 104 E 12th, New York

4520—Eyes (Brass & Bright Wire)

Jencks E. Mfg. Co. (Screw, Stair Rod, Bird Cage, Harness, Hitching, Storm Window Strop, etc), 28 Union, Worcester, Mass.
Nelson Tool Co., Inc., 782 E 142nd, New York
Parker Wire Goods Co., Worcester, Mass.
Waterbury Button Corp. (Brass), 831 S Main, Waterbury, Conn.
See adv index at end of book
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*

4521— Eyes (Lacing)

Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Malleable Iron Fittings Co. ("M. I. F. Co."), Branford, Conn.

4521a— *Eyes (Padlock)

Stanley Works, New Britain, Conn.
See adv index at end of book

4521b— Eyes (Pick)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

4522— Eyes (Pole & Shaft)

Blakeslee Forging Co., Plantsville, Conn.
Clapp E. D. Mfg. Co., 300 Genesee, Auburn, N. Y.
Cowles C. & Co., New Haven, Conn.
Eccles Richard Co., Auburn, N. Y.
Smith H. D. Co., Plantsville, Conn.
Strieby & Foote Co., Newark, N. J.
Upson Nut Co., Cleveland, O.

Eyes (Screw)

See Screw Eyes

4522a—Fabric (Aeroplane)

McBratney Robt. & Co., 121-123 Franklin, New York

4523—Fabric (Wire Link, for Spring Beds)

Automatic Woven Wire Supply Co., Mangin & Delancey, New York
Mattatuck Mfg. Co. ("National," "Mottoluck Columbia"), Waterbury, Conn.
Tichener Diehl Co., 1844-48 W. Austin av, Chicago, Ill.
Wickwire Spencer Steel Corp., 41 E. 42d, New York *See adv index at end of book*

Fabrics (Automobile Top)

See Cloth, Rubber Coated; Also Leather, Artificial

4523a—Fabrics (Rubberized)

See also cloth, rubber coated
DU PONT E. I. DE NEMOURS & CO., INC. Fabrikoid Div. (see Adv at Leather, Artificial), Newburgh, N. Y.
See adv index at end of book
O'Bannon Co., 200 5th av, New York
Toledo Auto Fabrics Co., Blucher & Buckingham, Toledo Ohio.

4523b—Fabrics (Waterproof)

Brunsene Co., Stanley av, Watertown, Mass.
DU PONT E. I. DE NEMOURS & CO., INC., Fabrikoid Div. ("Pontop," for Auto Curtains, etc (see Adv at Leather, Artificial), Newburgh, N. Y.
See adv index at end of book
O'Bannon Co., 200 5th av, New York.
Toledo Auto Fabric Co., Blucher & Buckingham, Toledo, Ohio.

4523c— Facers (Spot)

American Standard Tool Works, 400 Owen Bldg, Detroit, Mich.
Glenzer J. C. Co., 3 14th, Detroit, Mich.
Production Tool Co. of America, Foster & Le Grand, Detroit, Mich.

4524— Facing Arms

Underwood H. B. Corp. (Portable), 1025 Hamilton, Philadelphia, Pa.

Factory Buildings (Steel)

See Steel Structural Work

4524a—Factory Enclosures (Fences and Gates

Anchor Post Iron Works, 50 Church, New York *See adv index at end of book*
Cincinnati Iron Fence Co., 3312 Spring Grove av, Cincinnati, Ohio
See adv index at end of book
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book

4524b— Fair Leaders

Laughlin Thos. Co. (Babbitt, Plate, Screw, Swivel), 135 Fore, Portland Me.
See adv index at end of book
Metropolitan Device Corp., 1250 Atlantic av, Brooklyn, N. Y.
Thacher Propeller & Foundry Corp., Albany, N. Y.

4525— Fans (Acid)

BAKER EDW. J. & CO., 608 Otis bldg, Chicago
Connecticut Blower Co., Inc. ("Keeney"), 345 Trumbull, Hartford, Conn.
Duriron Castings Co., Dayton, O.
Stearns-Roger Mfg. Co. ("Heinz-Skinner"), 1720 Calif., Denver, Col.
Sturtevant B. F. Co. ("Sturtevant"), 15H Damon, Hyde Park, Mass.

4526— Fans (Battery Motor)

Kendrick-Davis Co. ("Ajax," "Standard," "Kent"), Lebanon, N. H.
Knapp Electric & Novelty Co. ("Kenco"), 130 W 42d, New York
Manhattan Electrical Supply Co., 17 Park pl, New York
Menominee Elec. Mfg. Co., Menominee, Mich.
Ohio Electric & Controller Co., 5900 Maurice av, Cleveland, O.

Fans (Ceiling)

See Fans, Ceiling Belted; also Fans, Ceiling Electric; also Fans, Water Motor

4527— Fans (Ceiling, Belted)

Hunter Fan & Motor Co. ("Tuerk"), Fulton, N Y.
Indiana Fan Co., 40 E South, Indianapolis, Ind.
Ochsner A. & Son, New Haven, Conn.
Seymour J. M. Jr., 51 Lawrence, Newark, N. J.

4528—Fans (Ceiling, Electric)

Century Electric Co. ("Century," Alternating Current), 19th & Pine, St. Louis, Mo.
Dayton Fan & Motor Co. (Direct & Alternating Current), Dayton, O.
Diehl Mfg. Co. (Direct Current), Elizabeth, N. J.
Eck Dynamo & Motor Co. ("Hurricane," "Eck Hurricane"), Belleville, **N. J.**
Emerson Electric Mfg. Co. (Alternating Current), 2024 Wash av, St. Louis, Mo.
GENERAL ELECTRIC CO. (Direct Current), Schenectady, N. Y.
See adv index at end of book
Hunter Fan & Motor Co. ("Tuerk," Adjustable Direct & Alternating Current), Fulton, N Y.
Marathon Electric Mfg. Co. ("O. K."), 32 Lilland, Wausaw, Wis.
National Screw & Mfg. Co. The, A B Products Div. ("Jandus," "Gyrofan" Alternating & Direct Current), 2442 E 75th, Cleveland, Ohio
Peerless Electric Co. ("Peerless," Direct Current) Warren, O.
Robbins & Myers Co. (Direct & Alternating), 1400 Lagonda av, Springfield, O.
Safety Car Htg. & Lighting Co. ("Safety"), Dixwell & Putnam avs, New Haven, Conn.
Westinghouse Electric Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

4529— Fans (Centrifugal)

Allen & Billmyre Co., Inc. (Multi-stage centrifugal blowers and exhausters), Grand Central Palace, New York
See adv index at end of book
Am. Blower Co. ("Sirocco," "A. B. C."), 6004 Russell, Detroit, Mich.
BAKER EDW. J. & CO., 608 Otis bldg, Chicago, Ill.
Buckeye Blower Co., 425 W Town, Columbus, Ohio
See adv index at end of book
Howard & Morse ("Blackman" & "Duplex Cone"), 45 Fulton, New York
JEFFREY MFG. CO., 961 N Fourth, Columbus, O.
See adv index at end of book
Kennedy Van Saun Mfg. & Eng. Corp., 50 Church, New York
See adv index at end of book
Master Fan Corp., 1327 Channing, Los Angeles, Cal.
New York Blower Co., Archer av & Canal, **Chicago, Ill. Works: Bucyrus, O.**
Ottumwa Box Car Loader Co., Ottumwa, Iowa
Stine S. B., Osceola Mills, Pa.

4529a— Fans (Cinder)

Baker Edw. J. & Co., 608 Otis Bldg, Chicago, Ill.
National Blow Pipe & Mfg. Co., 738 Dryades, New Orleans, La.
Northern Blower Co. (The), Denison & W 65th, Cleveland, O.
See adv index at end of book
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.

4529b—Fans (Collecting & Conveying)

Allen & Billmyre Co., Inc., Grand Central Palace, New York
See adv index at end of book
Baker Edw J. & Co., 608 Otis Bldg, Chicago, Ill.
Buckeye Blower Co., 425 W Town, Columbus, Ohio.
See adv index at end of book
Connecticut Blower Co., Inc. ("Keeney"), 345 Trumbull, Hartford, Conn.
Hersh Bros. Co., 645 Mill, Allentown, Pa.
Sturtevant B. F. Co. ("Sturtevant"), 15H Damon, Hyde Park, Mass.

Fans (Desk & Office)

See Fans, Electric, Portable, Alternating Current; also Fans, Electric Portable, Direct Current

4529c— Fans (Dust Handling)

Allen & Billmyre Co., Inc. (Centrifugal blowers and exhausters), Grand Central Palace, New York
See adv index at end of book
BAKER EDW. J. & CO., 608 Otis bldg, Chicago, Ill.
Buckeye Blower Co., 425 W Town, Columbus, Ohio.
See adv index at end of book
Buffalo Forge Co., Buffalo, N. Y.
Ilg Electric Ventilating Co., Crawford av, near Diversey blvd, Chicago, Ill.
Jeffrey Mfg. Co., 961 N Fourth, Columbus, Ohio
See adv index at end of book
Kennedy Van Saun Mfg. & Eng. Corp. 50 Church, New York
See adv index at end of book
Lee Thomas & Son Co., 128-132 W. 2nd, Cincinnati, Ohio
See adv index at end of book
Northern Blower Co. (The), Denison & W 65th, Cleveland, O.
See adv index at end of book

4530—Fans (Electric Disc, Direct Connected)

American Blower Co. ("A. B. C.," "Ventura"), 6004 Russell, Detroit, Mich.
Autovent Fan & Blower Co., 736 W Monroe, Chicago, Ill.
BAKER EDW. J. & CO., 608 Otis bldg, Chicago, Ill.
Barney Ventilating Fan Wks, 25 Haverhill, Boston, Mass.
BAYLEY MFG. CO., 766 Greenbush, Milwaukee, Wis.
BUCKEYE BLOWER CO., 425 W Town, Columbus, Ohio.
See adv index at end of book
Buffalo Forge Co., 490 B'way, Buffalo, N. Y.
Connecticut Blower Co., Inc. ("Keeney"), 345 Trumbull, Hartford, Conn.
Crocker-Wheeler Co., Ampere, N. J.
Diehl Mfg. Co., Elizabeth, N. J.
Eck Dynamo & Motor Co. ("Hurricane"), Belleville, N. J.
Emerson Elec. Mfg. Co., 2024 Wash'n av, St. Louis, Mo
Fuller Co., 1131 Park av, Detroit, Mich.
Garden City Fan Co., 332 S Michigan av, Chicago, Ill.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Green Fuel Economizer Co., Beacon, N. Y.
Hersh Bros. Co. ("Lehigh"), 645 H Mill, Allentown, Pa.
Howard & Morse ("Blackman" & "Duplex Cone"), 45 Fulton, New York
Ilg Electric Ventilating Co., 2850 N. Crawford av, Chicago, Ill.
Indiana Fan Co., 40 E South, Indianapolis, Ind.
Jeffery Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
Johnston Wm. T. Co., 417 E 5th, Cincinnati O.
Kimble Elec. Co., 634 N Western, Chicago, Ill.
Massachusetts Blower Co., Watertown, Mass.
Mechanical Appliance Co. ("Watson"), Milwaukee, Wis.
National Blow Pipe & Mfg. Co., 739 Dryades, New Orleans, La.
New York Blower Co., Archer av & Canal, Chicago, Ill.
Peerless Electric Co. ("Peerless"), Warren, Ohio.
Perkins B F. & Son, Holyoke, Mass.
Protective Ventilator & Screen Corp., 512 W 53d, New York
Robbins & Myers Co., 1400 Lagonda av, Springfield, O.
Rochester Motors Co., Rochester, N. Y.
Seymour J. M. Jr., 51 Lawrence, Newark, N. J.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Western Electric Co., 463 West, New York
Westinghouse Electric Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book
Wing L. J. Mfg. Co. (Blowers, Electric), 352 W 13th, New York

4531—Fans (Electric Portable, Alternating Current)

Am. Blower Co., 6004 Russell, Detroit, Mich.
BAKER EDW. J. & CO., 608 Otis bldg, Chicago
Buckeye Blower Co., 425 W Town, Columbus, Ohio.
See adv index at end of book
Century Electric Co., 19th & Pine, St. Louis, Mo.
Connecticut Blower Co., Inc., 345 Trumbull, **Hartford, Conn.**
Crocker-Wheeler Co., Ampere, N. J.
Dayton Fan & Motor Co., Dayton, Ohio
Diehl Mfg. Co., Elizabeth, N. J.
Dilg Fleet Mfg. Co. Inc., 27 E 125th, New York
Eck Dynamo & Motor Co. ("Hurricane," "Eck Hurricane"), Belleville, **N. J.**
Emerson Electric Mfg. Co., 2024 Wash. av, St. Louis, Mo.
Fitzgerald Mfg. Co. ("Star"), Torrington, Conn.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Gilbert A. C. Co. ("Polar Cub"), Fox, Blatchley av, New Haven, Conn.
Hunter Fan & Motor Co., Fulton, N. Y.
Ilg Electric Ventilating Co., 2850 N Crawford av, Chicago, Ill.
NATIONAL SCREW & MFG. CO. THE, A B Products Division, ("Gyrofans"), 2442 E 75th, Cleveland, O.
Peerless Electric Co. ("Peerless'), Warren, O.
Robbins & Myers Co., 1400 Lagonda av, Springfield, O.
Shedd Electric Co. ("Comfort"), Roselle Park, N. J.
Swiss Manfg. Co. ("Seiss"), Phillips av and N. Y. C. Ry., Toledo, Ohio.
Western Electric Co. 463 West, New York
WESTINGHOUSE ELECTRIC MFG. CO., East Pittsburgh, Pa.
See adv index at end of book

4532—Fans (Electric Portable, Direct Current)

Am. Blower Co., 6004 Russell, Detroit, Mich.
BAKER EDW. J. & CO., Otis bldg, Chicago
Buckeye Blower Co., 425 W Town, Columbus, Ohio.
See adv index at end of book
Buffalo Forge Co., 490 Broadway, Buffalo, N. Y.
Century Electric Co. ("Century"), 19th & Pine, St. Louis, Mo.
Crocker-Wheeler Co., Ampere, N. J.
Commercial Electrical Supply Co., 320 S Broadway, St. Louis, Mo.
Dayton Fan & Motor Co. (Alternating & Oscillating), Dayton, O.
Diehl Mfg. Co. ("Universal"), Elizabeth, N J
Dilg Fleet Mfg. Co. Inc., 27 E 125th, New York
Eck Dynamo & Motor Co. ("Hurricane," "Eck Hurricane"), Belleville, av, St. Louis, Mo.
Emerson Electric Mfg. Co., 2024 Washington av, St. Louis, Mo.
Fitzgerald Mfg. Co. ("Star"), Torrington, Conn.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Gilbert A. C. Co. ("Polar Cub"), Fox, Blatchley av, New Haven, Conn.
Emerson Electric Mfg. Co., 2024 Wash'n N. J.

Hamilton-Beach Mfg. Co. ("Hamilton-Beach"), Racine, Wis.
Hunter Fan & Motor Co., Fulton, N. Y.
Ilg Electric Ventilating Co., 2850 N. Crawford av, Chicago, Ill.
Knapp Elec. & Nov. Co., 130 W 42d, New York
Manhattan Electrical Supply Co., 17 Park pl, New York
Massachusetts Blower Co., Watertown, Mass.
Menominee Electric Mfg. Co., Menominee, Mich.
National Screw & Mfg. Co. The, A B Products Division, ("Gyrofans"), 2442 E 75th, Cleveland, O.
Parker Machine & Fan Works, Kansas City, Kans.
Peerless Electric Co. ("Peerless"), Warren, Ohio
Racine Universal Motor Co., 4642 Ravenswood, Chicago, Ill.
Robbins & Myers Co. (also Alternating Current), 1400 Lagonda av, Springfield, O.
Roth Bros. & Co., 1400 W Adams, Chicago, Ill.
Shedd Electric Co. ("Comfort"), Roselle Park, N. J.
Star Electric Motor Co., Miller & N. J. R. R. av, Newark, N. J.
Western Electric Co., 463 West, New York
Westinghouse Electric Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

4533—Fans (Exhaust or Ventilating)

See also Blowers, Various Kinds; also Fans, Mine Ventilating; also Fans, Electric, Various Kinds

(Names with * also manufacture Monel Metal)

CALIFORNIA.

LOS ANGELES—Master Fan Corp., 1327 Channing.
Rees Blow Pipe Mfg. Co., 3636 S Alameda (see San Francisco)
SAN FRANCISCO—**REES BLOW PIPE MFG. CO.**, 340 7th (see Los Angeles)
United Blower Co., Inc., 1267 Folsom

CONNECTICUT.

HARTFORD—Connecticut Blower Co., Inc. ("Keeney"), 345 Trumbull
WINDSOR LOCKS—Clark George P. Co.

ILLINOIS.

CHICAGO—Autovent Fan & Blower Co (& Blower Electric) 736H W Monroe.
BAKER EDW. J & CO., 608 Otis Bldg.
BINKS SPRAY EQUIPMENT CO., 3129 Carroll av, Chicago
Cyclone Blow Pipe Co., 2552 W. 21st.
Fairbanks, Morse & Co., 900 S Wabash av
Garden City Fan Co. (Electric), 332 S Michigan
Globe Elec. Co., 6340 Stony Island av
Ilg Electric Ventilating Co. ("Ilg" Self-Cooled Motor), 2850 N. Crawford av
Invincible Blow Pipe Co., 1822 N Lamon av
New York Blower Co., Archer av & Canal. Works: Bucyrus, O.
Raymond Bros. Impact Pulverizing Co. (Exhaust Only), 1346 North Branch
Sturtevant B. F. Co. ("Sturtevant," "Multivane," "Monogram," "Steel Pressure," "Supervane"), 410 N Michigan blvd
MOLINE—Barnard & Leas Mfg. Co., 403 20th

INDIANA.

INDIANAPOLIS—Nordyke & Marmon Co., Kentucky av & Morris

KANSAS.

KANSAS CITY—Parker Machine & Fan Works
WICHITA—Reschke Machine Works

LOUISIANA.

NEW ORLEANS—National Blow Pipe & Mfg Co., 738 Dryades
SHREVEPORT—Shreveport Blow-Pipe & Sheet Iron Wks. (Exhaust).

MARYLAND.

BALTIMORE—Dixie Mfg. Co., Russell & B. & O. R. R.

MASSACHUSETTS.

BOSTON—Allen E. H. Co., 22 Dorrance
Barney Ventilating Fan Works (Compound) (A. B. Franklin, Prop.), 25, Haverhill
Berry A. Hun Fan Co., 28 Binford.
Boston Blower Co., Hyde Park
Carlisle & Gale Co. (Slow Speed, Low Power), 575 Albany
Electric Blower Co. ("Marvel"), 350 Atlantic av.
Sturtevant B. F. Co. ("Sturtevant," "Steel Pressure," "Supervane," 15H Damon, Hyde Park
HOLYOKE—Perkins B. F. & Son
NEWTON—Davidson Fan Co.
WATERTOWN — Massachusetts Blower Co.

MICHIGAN.

DETROIT—Amer. Blower Co, ("Sirocco"), 6004 Russell
Fuller Co., 1131 Park av
Marshall Blow Pipe Co., 7431 Dubois
SAGINAW—**ALLINGTON & CURTIS MFG. CO.**, 1500 Holland av
SAGINAW—Allington & Curtis Mfg. Co.

MISSOURI.

ST. LOUIS—Century Electric Co., 19th & Pine
Emerson Electric Mfg. Co., 2024 Wash'n av
Skinner Bros. Mfg. Co., Vandeventer & Boyle av
Western Blow Pipe & Sheet Metal Co.

NEW JERSEY.

BELLEVILLE—Eck Dynamo & Motor Co.
EAST TRENTON—De Laval Steam Turbine Co. (Turbine Driven)
See adv index at end of book
ELIZABETH—Diehl Mfg. Co.
NEWARK—Backus Water Motor Co., 173 Penna av
Seymour J. M. Jr., 51 Lawrence

NEW YORK.

BEACON—Green Fuel Economizer Co.
BUFFALO—Buffalo Forge Co. ("Baby"), 490 Broadway
FULTON — Hunter Fan & Motor Co. Hirshman W. F. Inc., 92H Main ("Tuerk," Electric & Belt)

NEW YORK CITY.

NEW YORK—*Carrier Engineering Co., 39 Cortland
Gerdes T. R. N., 105 Bank
GODFREY-KEELER CO., 70 Warren
Howard & Morse ("Blackman" & "Duplex Cone"), 45 Fulton
INTERNATIONAL NICKEL COMPANY THE, 67 Wall. (See insert under Monel Metal)
See adv index at end of book
Sturtevant B. F. Co. ("Sturtevant"), 53 Vanderbilt av
Typhoon Fan Co., 345 W. 39th
Wing L. J. Mfg. Co. ("Scruplex"), 352 W 13th
End of New York City

OHIO.

BUCYRUS—New York Blower Co. (See Chicago, Ill.)
CINCINNATI—Johnston Wm. T. Co., 3rd & Vine
Kirk & Blum Mfg. Co., 2850 Spring Grove av
Lee Thomas & Son Co., 128-132 W. 2nd *See adv index at end of book*
CLEVELAND—*Kain, Peterson & Heinle Co.
NORTHERN BLOWER CO. THE, Denison & W 65th
See adv index at end of book
*Si Fo Ventilator Co.
Sly W. W. Mfg. Co., 4720 Train av
COLUMBUS—**BUCKEYE BLOWER CO.**, 425 W Town
See adv index at end of book
SPRINGFIELD—Robbins & Myers Co. (For Small Rooms, etc), 1400 Lagonda av
WARREN—Peerless Electric Co. ("Peerless," Consulting)

PENNSYLVANIA.

ALLENTOWN—Hersh Bros. Co. ("Lehigh"), 645H Mill
BRIDGEPORT—York Heating & Ventilating Corp.
EAST PITTSBURGH—Westinghouse Electric & Mfg. Co.
See adv index at end of book
LANCASTER—Champion Blower & Forge Co.
MUNCY—Sprout, Waldron & Co.
See adv index at end of book
PHILADELPHIA — Philadelphia Drying Machinery Co., 3351H Stokley
Proctor & Schwartz, Inc. ("Proctor"), 7th & Tabor rd
PITTSBURGH—*Irwin Sheet Metal Co.

RHODE ISLAND.

PROVIDENCE—Astle H. J. & Co. ("Boland"), 118 Orange
New England Ventilating & Heating Co., 926 Manton av

WASHINGTON.

SEATTLE—Western Blower Co., 1800 9th av S
TACOMA—National Blower Pipe Co., 1127 St. Paul av

WEST VIRGINIA

PARKERSBURG—*Smith & Burrows Co.

WISCONSIN.

MILWAUKEE—Allis Louis Co. (The) (Motor Driven), 133 Stewart
Allis Louis Co. (The) (Motor Driven), 133 Stewart
BAYLEY MFG. CO., 766 Greenbush
WAUSAU—Marathon Electric Mfg. Co., 33 Island

CANADA

GALT, ONT.—*Sheldons, Ltd.
*Sturtevant Co. of Can.
KITCHENER, ONT.—*Canadian Blower & Forge Co., Ltd.

4533a— Fans (Forced Draft)

Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
Connecticut Blower Co., Inc., 133 Sheldon, Hartford, Conn.
Green Fuel Economizer Co., Beacon, N. Y.
Sturtevant B. F. Co. ("Sturtevant"), 15H Damon, Hyde Park, Mass.

4534— Fans (Fly)

Connecticut Blower Co., Inc., 133 Sheldon, Hartford, Conn.

4534a—*Fans (Gyrating, Electric)

Westinghouse Electric Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

4535—Fans (Mine Ventilating)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Am. Blower Co. ("Sirocco"), 6004 Russell, Detroit, Mich.
Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
BUCKEYE BLOWER CO., 425 W Town, Columbus, Ohio
See adv index at end of book
Buffalo Forge Co., 490 Broadway, Buffalo, N. Y.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Connellsville Mfg. & Mine Supply Co. Connellsville, Pa.
Crawford & McCrimmon Co., Brazil, Ind.
Dixie Mfg. Co., Russell & B. & O. R. R., Baltimore, Md.
Duncan Foundry & Machine Works, Alton, Ill.
Eagle Iron Works (Direct Connected). Des Moines, Ia.
Fairmont Mining Machinery Co., Fairmont, W Va.
Finch Mfg. Co., Scranton, Pa.
Fisher Mine Equipment Co., W. Newton, Pa.
Garden City Fan Co., 332 S Michigan av, Chicago, Ill.
Garrity Ralph E. Co., 607H Wabash bldg, Pittsburgh, Pa.
Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.
Hersh Bros. Co., 645 H Mill, Allentown, Pa.
Ilg Electric Ventilating Co., 2850 N. Crawford av, Chicago, Ill.
JEFFREY MFG. CO. ("Jeffrey," Centrifugal), 961 N Fourth Columbus, O.
See adv index at end of book
Johnston Wm. T. Co., 417 E 5th, Cincinnati, O.
Litchfield Foundry & Machine Co., Litchfield, Ill.
Marion Machine Foundry & Supply Co., Marion, Ind.
Ottumwa Box Car Loader Co., Ottumwa, Ia.
Ottumwa Iron Works, Ottumwa, Ia.
Parker Machine & Fan Works, Kansas City, Kans.
Robinson Ventilating Co., Jenkins Arcade bldg, Pittsburgh, Pa.
South Side Foundry & Machine Works ("Kanawha"), Charleston, W. Va.
Stine J. C. Co. (6 to 30 ft in diameter), Tyrone, Pa.
Stine S. B., Osceola Mills, Pa.
Sturtevant B. F. Co. ("Sturtevant"), 15H Damon, Hyde Park, Mass.
United Iron Works Co., Inc., Kansas City, Mo.
Vulcan Iron Works, Wilkes-Barre, Pa.
Vulcan Iron Works Co., 1400 W Colfax, Denver, Colo.
Western Blower Co., 180 9th av S., Seattle, Wash.

4536— Fans (Propeller)

Am. Blower Co., 6004 Russell, Detroit, Mich.
Autovent Fan & Blower Co. ("Autovent"), 736 W Monroe, Chicago, Ill.
BAKER EDW. J. & CO., 608 Otis bldg, Chicago, Ill.
BUCKEYE BLOWER CO., 425 W Town, Columbus, Ohio
See adv index at end of book
Buffalo Forge Co., 490 Broadway, Buffalo, N. Y.
Connecticut Blower Co., Inc., 133 Sheldon, Hartford, Conn.
Garden City Fan Co., 332 S Michigan av, Chicago, Ill.
Hersh Bros. Co., 645 H Mill, Allentown, Pa.
Ilg Electric Ventilating Co., 2850 N. Crawford av, Chicago, Ill.
Massachusetts Blower Co., Watertown, Mass.
National Blow Pipe & Mfg. Co., 738 Dryades, New Orleans, La.

(Continued on following page)

Fans (Propeller)—Continued

New York Blower Co., Archer av & Canal, Chicago, Ill.
Sterling Blower Co. ("Sterling"), Hartford, Conn.
Sturtevant B. F. Co. ("Sturtevant" Electric & Pulley), 15 Damon, Hyde Park, Boston, Mass.
Western Blower Co., 1800 9th av, S., Seattle, Wash.

4537— Fans (Radiator)

Automotive Parts Co. ("Hy-Duty" in Trucks, Tractors & Passenger Cars), 1125 Mass. av, Indianapolis, Ind.
Hardy Mfg. Co. ("Hardy"), Pendleton, Ind.
Holtz Fdry. & Mfg. Co., Fremont, O.
McCord Mfg. Co., 2587 Grand blvd, Detroit, Mich.
New Britain Sheet Metal Co., New Britain, Conn.
Oakes Co., Indianapolis, Ind.
Sparks-Withington Co., Jackson, Mich.
Strang H. M. Steel Products Co. (Auto), 1011 Power av, Cleveland, Ohio

4538—Fans (Roof Ventilating)

Am. Blower Co., 6004 Russell, Detroit, Mich.
BAKER EDW. J. & CO., 608 Otis bldg, Chicago, Ill.
Buckeye Blower Co., 425 W Town, Columbus, Ohio
See adv index at end of book
Hersh Bros. Co., 645 H Mill, Allentown, Pa.
Hirshman W. F. Inc., 92H Main, Buffalo, N. Y.
Ilg Electric Ventilating Co., 2850 N. Crawford av, Chicago, Ill.
Parker Machine & Fan Works, Kansas City, Kans.

4538a— Fans (Rotary Lead)

SCHUTTE & KOERTING CO., 1251 N 12th, Phila., Pa. *See adv index at end of book*

4539-40—Fans (Steel Plate)

Am. Blower Co. ("ABC"), 6004 Russell, Detroit, Mich.
Baker Edw. J. & Co., 608 Otis bldg, Chicago
Buckeye Blower Co., 425 W Town, Columbus, Ohio
See adv index at end of book
Buffalo Forge Co. ("Niagara Canoidal"), 490 Broadway, Buffalo, N. Y.
See adv index at end of book
Hersh Bros. Co., 645 H Mill, Allentown, Pa.
Ilg Electric Ventilating Co., Inc., 2850 N. Crawford av, Chicago, Ill.
Massachusetts Blower Co., Watertown, Mass.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.

Fans (Ventilating)

See Fans, Exhaust or Ventilating

Fans (Ventilating, Engine Connected)

See Blower Manufacturers

4541— Fans (Water Motor)

Backus Water Motor Co., 172 Penna av, Newark, N. J.
Hunter Fan & Motor Co., Fulton, N. Y.
Indiana Fan Co. (Desk & Column), 40 E South, Indianapolis, Ind.
Seymour James M. Jr., 51 Lawrence, Newark, N. J.

4542— Farina

Albers Bros. Milling Co., foot Massachusetts, Seattle, Wash.
Centennial Mill Co., Seattle, Wash.
Commercial Milling Co., 203 Randolph, Detroit, Mich.
Crete Mills, Crete, Neb.
Hecker-Jones-Jewell Milling Co., 43 Corlear Exchange, New York
Hess G. B. Co., Green Bay, Wis.
Norfolk Cereal & Flour Mills, Norfolk, Neb.
Quaker Oats Co., 80 E Jackson blvd, Chicago, Ill.
Red Wing Milling Co., Red Wing, Minn
Sparr Cereal Co., Marshfield, Wis.

4542a— Farm Implements

See also Agricultural Implmt. Mfrs.

Myers F. E. & Bro., 900 4th, Ashland, Ohio

4543— Fasteners (Bale Tie)

Acme Steel Goods Co. (Also Shook Tie), 2834 Archer av, Chicago, Ill.
CARY MFG. CO., Nassau & Jay, Brooklyn, N. Y. *See adv index at end of book*
Consolidated Steel Strapping Co., 2600-20 N Western av, Chicago
See adv index at end of book
Grammes L. F. & Sons, 311 Union, Allentown, Pa.
See adv index at end of book
Hubbard Pressed Steel Co., Niles, Ohio

4544— Fasteners (Bedstead)

Acme Steel Goods Co., 2834 Archer av, Chicago, Ill.
American Mfg. Co., Chestnut & Water, Chattanooga, Tenn.
Stanley Works, New Britain, Conn.
See adv index at end of book
Susquehanna Casting Co., Wrightsville, Pa.
Wrightsville Hardware Co., Wrightsville, Pa.

4545—Fasteners (Blind & Shutter)

Auer John Jr. ("Van Sands" Wrought Iron), 197 Middleton, Brooklyn, N. Y.
Axthelm Mfg. Co. (Flush Gravity), 242 3d av, Pittsburgh, Pa.
Electrical Appliance Mfg. Co. (Blind), Waterbury, Conn.
Ives H. B. Co., New Haven, Conn.
Johnston J. D., Newport, R. I.
Orr, Galen & Co., Needham, Mass.
Parker Wire Goods Co. ("Streeter"), Worcester, Mass.
Penn Hardware Co., Reading, Pa.
Sargent & Co., New Haven, Conn.
Susquehanna Casting Co., Wrightsville, Pa.
Wrightsville Hardware Co. ("Shepard's"), Wrightsville, Pa.
Wrobbel & Maine Co. The, 3106 E 63rd, Cleveland, Ohio
Zimmerman L. F. S. Co., Inc. ("Zimmerman"), 1 B'way, Frederick, Md.

4546—Fasteners (Box & Crate)

Acme Steel Goods Co. (Box, Board & Shook), 2834 Archer av, Chicago, Ill.
American Box Strapping Co., Inc., 313 E 22nd, New York
Beehler Steel Products Co., 1449 N 13th, St. Louis, Mo. *See adv index at end of book*
CARY MFG. CO. (Box Board & Shook), Nassau & Jay, Brooklyn, N. Y.
See adv index at end of book
Consolidated Steel Strapping Co., 2600-20 N Western av, Chicago
See adv index at end of book
Crouse Metal Mfg. Co., Williamsport, Pa.
De Haven Mfg. Co., 50 Columbia Heights, Brooklyn, N. Y.
GRAMMES L. F. & SONS, 311 Union, Allentown, Pa.
See adv index at end of book
Independent Metal Strap Co., 56 Prince, New York
See adv index at end of book
Ryan M. C. Co., Phoenix, N. Y.
Stanley Works (Wrought Steel "Boston Blind"), New Britain, Conn.
Stimpson Edwin B Co. (Mailing box), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Tichener-Diehl Co. (Corrugated), 1844-48 W. Austin av, Chicago, Ill.
Von Kokeritz, R. G. & Co., 114 Liberty, New York
Waterbury Button Corp., 831 South Main, Waterbury, Conn.
See adv index at end of book
WIRE AND STEEL PRODUCTS CO., INC., 421 E 22nd, New York

Fasteners (Button)

See Fasteners, Carriage, Auto Curtain & Top

4547— Fasteners (Car Door)

Dayton Mall. Iron Co. ("Dayton"), Dayton, O.
National Malleable Castings Co., 7706 Platt av S E, Cleveland, O.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Western Railway Equipment Co., Central Nat'l Bank bldg, St. Louis, Mo.

4548—Fasteners (Carriage & Auto Curtain & Top)

Auto Specialties Mfg. Co. ("Bair"), Joliet, Ill.
Carr Fastener Co. (Snap Lock "Lift The Dot," "Common Sense"), Boston, Mass.
Cowles C. & Co. ("Brewster," "Ideal," "Perfect," "Success," "Excelsior"), New Haven, Conn.
Crandall, Stone Division, The Brewer-Titchener Corp. ("Titchener's," "Perfect," "Pioneer," "Premier"), Binghamton, N. Y.
English & Mersick Co. ("Grip"), New Haven, Conn.
Enterprise Brass & Plating Co. ("Monarch"), 6th & Baymiller, Cincinnati, O.
Eibel Mfg. Co., The (Curtain Holders), Dept. H, 826 Mulberry rd, Canton, O.
Glogau & Co., Great Lakes bldg, Chicago, Ill.
Jonah & George, Merrimac, Mass.
Metal Stamping Co. ("Peerless," "Perfection" & Adjustable), 13th, Long Island City, N. Y.
Murphy G. W. J. Co. ("Murphy"), Amesbury, Mass.
National Lock Washer Co. ("National"), 40 Herman, Newark, N. J.
Neider F. A. Co. ("Peerless" Brass, Curtain), Dept. H, Augusta, Ky.
North & Judd Mfg. Co. ("Anchor Brand," "Perfection"), New Britain, Conn.
Novelty Mfg. Co., Waterbury, Conn.
O'Brien Jos. F. Mfg. Co., 47 W 63rd, New York
Scherer H. & Co., 440 E Jefferson av, Detroit, Mich.
SCOVILL MFG. CO. (Auto Snap), Waterbury, Conn.
See adv index at end of book
Standard Top & Equipment Co. ("Swan"), 1849 E 65th, Cleveland, O.
Trojan Button Fastener Co., Troy, N. Y.
United States Fastener Co., 95 Milk, Boston, Mass.
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
See adv index at end of book
Weiss Chas. & Son ("Separable"), 4715 Cottage Grove av, Chicago, Ill.
Western Brass Mfg. Works, Marshall blvd & W 21st, Chicago, Ill.
Woodruff Walter W. & Sons Co., Mt Carmel, Conn.

4549— Fasteners (Chain Door)

Corbin P. & F. ("Corbin"), Dept. H, New Britain, Conn.
Grey Iron Castings Co., Mt. Joy, Pa.
Penn Hardware Co., Reading, Pa.
Racine Iron & Wire Works ("Anti-Panic"), Racine, Wis.
Sargent & Co., New Haven, Conn.
Stanley Works, New Britain, Conn.
See adv index at end of book

4550— Fasteners (Cloth)

Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
See adv index at end of book

4551—Fasteners (Clothes Line)

Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Household Appliance Co., Neenah, Wis.

4552-3—Fasteners (Clothing, Glove, Etc.)

See also Fasteners, Snap, also Hooks & Eyes, Dress

Alma Mfg. Co. (Snap), 611-61 S Monroe, Baltimore, Md.
American Fastener Co. ("Teneo" for garments), Waterbury, Conn.
Autoyre Co. ("So-E-Z" for Garments), Dept. H, Oakville, Conn.
Carr Fastener Co. (Snap Lock), Boston, Mass.
Glogau & Co. (Snap), Great Lakes bldg, Chicago, Ill.
Lane Mfg. Co. (Snap, for Gloves, Knit Goods, Pocket Books, Belts, Caps, etc), Waterbury, Conn.
Metal Stamping Co. ("Perfecto" "Ajax"), 13th, Long Island City, N. Y.
Peufield William W. Inc. (Glove), 597 Pacific, Stamford, Conn.
Rau Fastener Co. (Snap, for Gloves, etc), 102 Westfield, Providence, R. I.
SCOVILL MFG. CO. (Snap), Waterbury, Conn.
See adv index at end of book
U. S. Fastener Co. (Clothing, Glove, Umbrella, Pocket Book, Shoe, Cap, etc), 95 Milk, Boston, Mass.
Waldes & Co. ("Koh-I-Noor" Snap), 3 W 29th, New York
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
See adv index at end of book

4554—Fasteners (Concrete Form)

Concrete Steel Co., 42 Broadway, New York
Ryan M. C. Co. ("Sherwood"), Phoenix, N. Y.

4555—Fasteners (Conductor Pipe)

See also Hooks, Pipe

Berger Bros. Co., 229 Arch, Phila., Pa.
Berger Mfg. Co. (Adjustable), 1038 Belden av N E, Canton, O.
Iwan Bros., South Bend, Ind.
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
Ohio Corrugating Co., Warren, O.
Republic Metalware Co., 100 Alabama, Buffalo, N. Y.

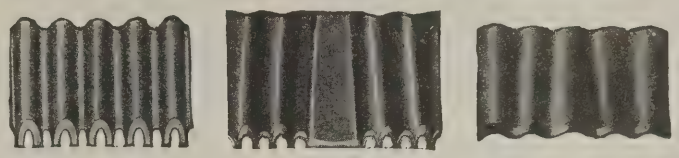
4556— Fasteners (Conduit)

Hart & Hegeman Mfg. Co. (For Holding Flexible Conduits in Wall Cases), Hartford, Conn.

CARY'S Superior Metal JOINT FASTENERS

Write for samples of our latest Saw Edge Style "Double Edge" Fasteners, which exceed all others in quality. Have two bevelled edges thereby increasing the keenness of the Fasteners which penetrate the wood with double facility.

Also see our superior PLAIN EDGE FASTENERS. Packed in cartons of 500 and 1000 and in bulk.



Put up in Coils, wound right hand and left, for use with automatic driving machines

LARGE STOCKS NOW ON HAND

Also Makers of Cary's Universal and Wire Box Straps, Box Fasteners, Seals, Clasps, etc.

CARY MANUFACTURING CO. -:- NASSAU AND JAY STREETS BROOKLYN, NEW YORK

Branch Office and Warehouse, 1739 North Wells Street, Chicago, Ill.

4557—Fasteners (Corrugated Steel)

Acme Steel Goods Co., 2834 Archer av, Chicago, Ill.
CARY MFG. CO., Nassau & Jay, Brooklyn, N. Y. *See adv index at end of book*
CONSOLIDATED STEEL STRAPPING CO. (Apex Fasteners, easily driven because uniformly sharp and burrless), 2600-20 N Western av, Chicago *See adv index at end of book*
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Knight H. W. & Son, Seneca Falls, N. Y.
Shanafelt Mfg. Co., Canton, O.
Smallwood W. R. Mfg. Co., Gowanda, N. Y.
Stanley Works (Wood Joints), New Britain, Conn. *See adv index at end of book*
Wrightsville Hardware Co., Wrightsville, Pa.

4558—Fasteners (Curtain, Car, Etc.)

Carr F. S. Co., Boston, Mass.
Carr Fastener Co. ("Dot"), Cambridge, Mass.
Cinch Fastener Corp., 2339 W Van Buren, Chicago, Ill.
Copp George W. & Co., Inc., 557 W 54th, New York
Cowles C. & Co., New Haven, Conn.
Jarvis Charles L. Co. (Curtain), Gildersleeve, Conn.
Murphy G. W. J. Co. ("Burco"), Amesbury, Mass.
Neider, F. A. Co. ("Leader," "Ky." & "Peerless"), Dept. H, Augusta, Ky.
Novelty Mfg. Co., Waterbury, Conn.
Roehm & Davison, Wayne & Woodbridge, Detroit, Mich.
St. Louis Car Co. (For Car Curtains), 8000 N B'way, St. Louis, Mo.
Waterbury Button Corporation, 831 S Main, Waterbury, Conn. *See adv index at end of book*
Weiss Chas. & Son, 4715 Cottage Grove av, Chicago, Ill.

4559—Fasteners (Guard Rail)

Cleveland Frog & Crossing Co., 6917 Bessemer av, Cleveland, O.
Cleveland Railway Supply Co., Swetland bldg, Cleveland, O.
Morden Frog & Crossing Works, 208 S La Salle, Chicago, Ill.
Wharton Wm. Jr. & Co., Inc., Easton, Pa.

4560—Fasteners (Hame & Collar)

American Mfg. Co. ("Boss" Hame), Chestnut & Water, Chattanooga, Tenn.
Covert Mfg. Co. ("Holdfast"), Troy, N. Y.
Covert Saddlery Works ("Dandy," "Fairy," "C. B. B.," "L. B. L." Hame), Interlaken, N. Y.
G. G. G. Metal Stamping Co. ("G. G. G." Hame), Warren, Pa.
Imperial Bit & Snap Co., Racine, Wis.
National Safety Snap Co. ("Kling"), Wilmington, O.
North O. B. & Co. ("Success"), New Haven, Conn.
North & Judd Mfg. Co. (Improved "Success" Hame, "I X L" Collar), New Britain, Conn.

4560a— Fasteners (Hatch)

Mullholland Hatch Fastener Co. ("Mullholland," "Simplex," "Security"), Cleveland, O.

4560b— Fasteners (Hood)

Attwood Brass Works, Grand Rapids, Mich.
Burns & Bassick Co. (Div. of Bassick Co.), Bridgeport, Conn.
Eberhard Mfg. Co., Tennyson & C. P. R. R., Cleveland, Ohio
Gemco Mfg. Co., 742 S Pierce, Milwaukee, Wis.
Holton Hood Clip Co. ("Holton"), 223 W Fort, Detroit, Mich.
Imperial Brass Mfg. Co., 1216 W Harrison, Chicago, Ill.
Keeler Brass Co., Grand Rapids, Mich.
Metal Stamping Co., 13th Blvd, Long Island City, N. Y.
Monarch Carriage Goods Co., 2842 Spring Grove av, Cincinnati, Ohio
Pfau Mfg. Co., Mentor & Huston, Norwood, Cincinnati, Ohio
Sweet Lawrance A. Mfg. Co. ("Quick Action"), 2617 E 55th, Los Angeles, Calif.
Wagner E. R Mfg. Co., N Milwaukee, Wis.
Zeigler Mfg. Co., Alexandria, Ind.

4561— Fasteners (Hoop)

AMERICAN STEEL & WIRE CO., Chicago, Ill. ***See adv index at end of book***
Atlas Tack Co., Fair Haven, Mass.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
LARKIN & CO. J. K., 253 Broadway, New York *See adv index at end of book*
Reading Screw Co., Norristown, Pa.
Redlich Mfg. Co. (and Rivets), 637-647 W Oak, Chicago, Ill.
Stanley Geo. W. Co., Belleville, Ill.
Tower Mfg. Co., Elm & Commerce, Cincinnati, O
Townsend Co., New Brighton, Pa. *See adv index at end of book*
Wilson Steel Products Co., Dept H, 49th and Western av, Chicago, Ill.

Fasteners (Horse Blanket)

See Holders, Blanket

Fasteners (Horse Collar)

See Fasteners, Hame & Collar

4562— Fasteners (Ice Box)

Reading Hardware Co., Reading, Pa
Sargent & Co., New Haven, Conn.

4563—Fasteners (Kiln Band & Plate)

Tecktonius E. C. Mfg. Co., Racine, Wis.

4564—Fasteners (Metal Lath)

Ankyra Mfg. Co., 144 Berkley, Wayne Junct., Philadelphia, Pa.
Concrete Steel Co., 42 Broadway, New York

Fasteners (Nut & Bolt)

See Washers, Lock

4565— Fasteners (Pail & Tub)

Acme Steel Goods Co., 2834 Archer av, Chicago, Ill.
O. K. Mfg. Co. ("O. K." Adjustable, "Washubone's O. K." New Improved), Oswego, N. Y.
Stanley Works (Cement Coated), New Britain, Conn.

4566— Fasteners (Paper)

American Clip Co., Beebe av, Long Island City, N. Y.
Automatic Pencil Sharpener Co., 58 E Wash., Chicago, Ill.
Buffalo Automatic Mfg. Co. ("Climax"), 165 Pearl, Buffalo, N. Y.
Bumps Paper Fastener Co., La Crosse, Wis.
Clark H. F. Jr. Mfg. Co. ("Rittenhouse" Flat File), 900 F N W, Washington, D. C.
Clipless Paper Fastener Co. ("Clipless"), Newton, Ia.
De Long Hook & Eye Co. ("Twin Grip"), 21st & Clearfield, Phila., Pa.
Dennison Mfg. Co. ("Magill Patn."), S Framingham, Mass.
Grammes L. F. & Sons ("Cardwell," "Grammes"), 311 Union, Allentown, Pa. *See adv index at end of book*
Hoge Mfg. Co. ("Modern"), 215 Fulton, New York
Hotchkiss Sales Co. ("Hotchkiss"), Norwalk, Conn.
Hotchkiss E. H. Co. (Fasteners & Tacker), Norwalk, Conn.
Hutchison Office Specialties Co. Inc. ("Spool-O-Wire"), 501 Fifth av, New York
Ideal Specialties Mfg. Corp. ("Superior"), 552 Pearl, New York
Kelly F. Co., Derby, Conn.
Machine Appliance Corp'n (Automatic), 351 Jay, B'klyn. N. Y.
O. K. Mfg. Co. ("Washburne's O. K." and "O. K." adjustable), Oswego, N. Y.
Rockwell-Barnes Co. ("Rockbarnes"), 823 S Wabash av, Chicago, Ill.
STIMPSON EDWIN B. CO. ("Dale"), 852 Kent av, Brooklyn, N. Y. *See adv index at end of book*
Waterbury Brass Goods Corpn ("McGill" Star Brass), Waterbury, Conn.
Waterbury Button Corporation, 831 S Main, Waterbury, Conn. *See adv index at end of book*
West Mfg. Co ("Only"), 58 N 2d, Phila., Pa

4567—Fasteners (Rug & Carpet)

Carr Fastener Co. ("Dot" automobile), Cambridge, Mass.
Donchian Saml. Rug Co. ("Sultan"), 205 Pearl, Hartford, Conn.
Hampden Mfg. Co. ("Hampden" Fastener & Stretcher), 17 Warren, New York
Waterbury Button Corporation, 831 S Main, Waterbury, Conn. *See adv index at end of book*

Fasteners (Sash)

See Locks, Sash

Fasteners (Sash Cord)

See Irons, Sash Cord

4567a—*Fasteners (Sash Chain)

Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn. *See adv index at end of book*

4568—Fasteners (Screen Plate)

Hardy Wm. A. & Sons Co. ("Spring-Lock-wood"), Fitchburg, Mass.
Union Screen Plate Co. ("Witham"), Fitchburg, Mass.

4569— Fasteners (Scuttle)

Auer John Jr. (Wrought), 197 Middleton, Brooklyn, N. Y.

4570—Fasteners (Sheet Roofing)

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill. *See adv index at end of book*
Usona Mfg. Co. ("Howard's"), Aurora, Ill

Fasteners (Shutter)

See Fasteners, Blind

4571— Fasteners (Slate)

Hamblin & Russell Mfg. Co., Worcester, Mass.

4572— Fasteners (Snap)

See also Fasteners, Clothing, Glove, etc.

Alma Mfg. Co. (Clothing, Gloves, etc), 611 S Monroe, Baltimore, Md.
American Fastener Co. ("Tenco" for Garments), Waterbury, Conn.
Carr Fastener Co. (Carriage, Auto Top, etc), Ames, Cambridge, Mass.
Columbia Fastener Co. (Clothing), 3229 S Ashland av, Chicago, Ill.
Crandal, Stone Division The Brewer-Titchener Corp. (Automobile, Glove, etc), Binghamton, N. Y.
Defiance Button Machine Co., 43 W 24th, New York
Kelly F. Co., Derby, Conn.
Lane Mfg. Co. (All Kinds), Waterbury, Conn.
Nelson Tool Co., Inc. (For Ladies' Clothes), 782 E 142nd, New York
Peufield William W. Inc. (Glove), 597 Pacific, Stamford, Conn.
Rau Fastener Co. (Gloves, etc), 102 Westfield, Providence, R. I.
Scovill Mfg. Co., Waterbury, Conn.
See adv index at end of book
Specialty Products Co., 282 South, Newark, N. J.
Stimpson Edwin B. Co. ("Dale"), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
U. S. Fastener Co. (Gloves, Purses, etc), 95 Milk, Boston, Mass.
Waldes & Co. ("Koh-I-Noor" Clothing, etc.), 3 W 29th, New York
Waterbury Button Corporation, 821 S Main, Waterbury, Conn.
See adv index at end of book
WATERBURY STEEL BALL CO. (Gloves, Boxes, Leather Goods, Purses, etc), 300 Aurora, Waterbury, Conn.
See adv index at end of book

Fasteners (Storm Window)

See Hangers, Storm Sash & Screen

4573—Fasteners (Table Top)

St. Louis Hardware Mfg. Co., 1509 W 18th, St. Louis, Mo.
Stanley Works, New Britain, Conn.
See adv index at end of book

4574— Fasteners (Tub)

Bliss Bros. 170 Commercial, Boston, Mass.
Lange Mfg. Co. (Butter Tub), 399H Silver, Elgin, Ill.
Tilson Mfg. Co. (Butter Tub), 457 Medford, Malden, Mass.

4575—Fasteners (Whip Socket)

Searls Mfg. Co. ("Caffrey," "Chamberlin," "Essex," "Security," "Leader," etc), 29 Mulberry, Newark, N. J.

4576—Fasteners (Window Casement)

Chantrell Hdwe. & Tool Co., Reading, Pa.
Corbin Cabinet Lock Co. ("Empire" Safety), New Britain, Conn.
Corbin P. & F. ("Corbin"), Dept. H, New Britain, Conn.
Edwards O. M. Co., Syracuse, N. Y.
Griffin Mfg. Co., Erie, Pa.
Payson Mfg. Co., 2918 W Jackson blvd, Chicago, Ill.
Russell & Erwin Mfg. Co., New Britain Conn.
Sargent & Co., New Haven, Conn.
Shelby Spring Hinge Co., Shelby, O.
Stanley Works (Window & Screen, "Moore's" Window), New Britain, Conn.
Universal Sales Co. ("Universal"), 1916 Broadway, Oakland, Cal.
Western Brass Mfg. Co., 217 Tehama, San Francisco, Cal.
Wilcor Mfg. Co., 4824 West Lake, Chicago, Ill.
Woodruff Walter W. & Sons Co. ("Dolbers," Window & Shutter), Mount Carmel, Conn.

4577— Faucets

(Names with * also manufacture Monel Metal)

See also Cocks; also Cocks & Bibbs of Various Kinds

Allen Chas. I. ("Eclipse," "Eagle" & "Butternut" Key), Pequabuck, Conn.
Asbell S. J. Co. (Brass), Paterson, N. J.
Bashlin Co. (Compression & Self-Closing), Warren, Pa.
Bay State Brass Co., Haydenville, Mass.
Bishop & Babcock Co. (Bar & Soda), 1304 E 55th, Cleveland, O.
Capitol Brass Works, 2306 Franklin, Detroit, Mich.
Century Brass Wks., Inc., 900 N Illinois, Belleville, Ill.
Chambers, Bering, Quinlan Co., Decatur, Ill.
Chicago Faucet Co. (Brass "Chi-Fau-Co" & "Quaturn"), 2712 N Crawford av, Chicago, Ill.
Clark Cadie Harmon Corp. (Brass), Rochester, N. Y.
Cordley & Hayes (Water Cooler), 32 Leonard, New York
See adv index at end of book
Craig David ("Craig" Automatic Swing Basin), 70 Broad, Boston, Mass.
Crane Co. (Brass, "Telsa," "Agilis," "Triumph," "Telsa Jr.," "Agilis Jr.," "Triumph Jr.," "Aqua," "Aqua Jr.," "Meritus"), 836 S Michigan av, Chicago, Ill. *See adv index at end of book*
Edwardsville Brass Co. (Brass), Edwardsville, Ill.
Grand Rapids Brass Co. (Brass), Grand Rapids, Mich.
Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
Haydenville Co. (Compression Fuller Pattern, Lever Handle and Self-Closing, "Quick-Ope"), Haydenville, Mass.
INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Knight Maurice A. (Acid Proof Stoneware), Akron, Ohio
Kraft A. C. (Oil, Gasoline, Molasses & Tank), 323 W Lake, Chicago, Ill.
Landers, Frary & Clark (Milk Can, Cream Separator, Petroleum Oil, etc), New Britain, Conn.
Loeffehholz Co. (Water Cooler), 170 Clinton, Milwaukee, Wis.
*McCue Co. H. J., 1071 Power av, Cleveland Co.
McKenna Brass & Mfg. Co., Inc. (Brass, Liquor, etc), 1st av & Ross, Pittsburgh, Pa.
McNab & Harlin Mfg. Co., Paterson, N. J.
McRae & Roberts Co. (Water Cooler, Oil Can & Coffee Urn), 100 S Campbell av, Detroit, Mich.
Messmer Fred Mfg. Co., 2700 S 7th, St. Louis, Mo.
Meyer-Sniffen Co., 11 W 48th, New York
Mott J. L. Iron Works, Trenton, N. J.
Mueller H. Mfg. Co., Decatur, Ill.
See adv index at end of book
National Brass Mfg. Co. (Oil & Gasoline Can, Cream Can Separator, Water Cooler, etc), Rochester, N. Y.
Pacific Faucet Mfg. Co., 940 E 60th, Los Angeles, Cal.
*Pacific Foundry Co., Harrison & 18th, San Francisco, Cal.
Peck Bros. & Co., New Haven, Conn.
POWERS REGULATOR CO. (Economical, Non-Spattering, for Factory Washrooms), 2773 Greenview av, Chicago
See adv index at end of book
Puro Sanitary Drinking Fountain Co. ("Puro," Combination Faucet & Drinking Fountains), Haydenville, Mass.
Redlich Mfg. Co., 637-647 W Oak, Chicago, Ill.
Robinson Plumbing Supply Co. (Jobbers), St. Paul, Minn.
Rundle Mfg. Co. (Fuller & Compression), 27th & Wahl, Milwaukee, Wis.
*Sholes Inc., 186 Lafayette, New York
Sommer John Faucet Co. (Metal, "Peerless" Tin Key, "I. X. L." Cork Lined, "Chicago" Cork Lined, "Boss" Metal Key, "Victor" Metal Key & "Duplex" Metal Key), 355 Central av, Newark, N. J.
Standard Brass & Iron Works ("Standard," Bar Drop Handle, etc), 1820 St. Paul av, Milwaukee, Wis.
*Steel Improvement & Forge Co., Toledo, O.
U. S. Faucet Co. (Soda Fountain), 1155 Mission, San Francisco, Cal.
Western Aircraft Corp. (For Filters & Water Bottles), 1212 E 6th, Los Angeles, Cal.

4578-9—Faucets (Beer & Liquor)

Bishop & Babcock Co., 1204 E 55th, Cleveland, O.
Deckebach F. C. Sons Co., 123 W Court, Cincinnati, O.
George Bros. & Co., Winchester, Ky.
Golden Gate Mfg. Co., 9 Desbrosses, New York
Russ Co., 5700 Walworth av, Cleveland, O.
Sommer John Faucet Co. ("Washington" Cider), 355 Central av, Newark, N. Y.
U. S. Faucet Co. (Beer & Liquor), 1155 Mission, San Francisco, Cal.

Faucets (Bubbling)

See Fountains, Drinking, Sanitary

4580—Faucets (Catsup Bottling, Etc.)

Haydenville Co., Haydenville, Mass.
Langsenkamp F. H., Indianapolis, Ind.

Faucets (Cream Separator)

See Cocks, Cream Separator

4581— Faucets (Lock Lever)

McDonald A. Y. Mfg. Co., Dubuque, Ia.
National Brass Mfg. Co. ("National"), Rochester, N. Y.
Sommer John Faucet Co. ("Diamond"), 355 Central av, Newark, N. J.
matic), Forest Hills, Boston 30, Mass.

Faucets (Milk Can)

See Cocks, Milk Can

Faucets (Molasses)

See Gates, Molasses

4582— Faucets (Oil Can)

Batavia Brass & Iron Novelty Works, Batavia, N. Y.
Kraft A. C., 323 W Lake, Chicago, Ill.
Landers, Frary & Clark, New Britain, Conn.
McRae & Roberts Co., 100 S Campbell av, Detroit, Mich.
Marsh Mfg. Co., 122 William, New York
National Brass Mfg. Co., Rochester, N. Y.
Taylor & Boggis Foundry Co., Cleveland, Ohio

4583— Faucets (Self-Closing)

Bashlin Co., Warren, Pa.
Capitol Brass Works, 2306 Franklin, Detroit, Mich.
Chicago Faucet Co. ("Chi-Fau-Co" and "Quaturn," 2712 N Crawford av, Chicago, Ill.
Cordley & Hayes, 32 Leonard, New York
See adv index at end of book
Puro Sanitary Drinking Fountain Co. ("Puro"), Haydenville, Mass.
Vulcan Brass Mfg. Co. ("Paragon"), 9110 Woodland av, Cleveland, O
Watrous Co. ("Watrous"), 410 N Michigan blvd, Chicago, Ill.

4584—Faucets (Self-Measuring)

Enterprise Mfg. Co. of Pa., 3rd & Dauphin, Phila., Pa.
Lane Bros. Co., Poughkeepsie, N. Y.

Faucets (Stoneware)

See Stoneware, Chemical

4585—Faucets (Tank Wagon)

Kraft A. C., 323 W Lake, Chicago, Ill.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
National Brass Mfg. Co., Rochester, N. Y.
Pioneer Alloy Products Co., Inc., 16661 Euclid av, Cleveland, O.
Threaded Products Co., 8th & Carlton, Berkeley, Cal.

4586—Faucets (Tea & Coffee Urn)

Elite Machine Works, 480 6th, San Francisco, Cal.
Haydenville Co., Haydenville, Mass.
Landers, Frary & Clark, New Britain, Conn.
Messmer Fred Mfg. Co., 2700 S 7th, St. Louis, Mo.
National Brass Mfg. Co., Rochester, N. Y.
Peck Bros. & Co., New Haven, Conn.

4587— Faucets (Wood)

Allen Chas. I., Terryville, Conn.
Chapman-Sargent Co. (Cork Lined), Piqua, O.
Crandall Bros. ("Palmer's" Leather Lined Tin Key, Also Plain Wooden Key), N. Kingsville, O.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Hydraulic Press Mfg. Co. (Cork-Lined), Mt. Gilead, O.
See adv index at end of book
Redlich Mfg. Co. (Wood, Cork Lined, Cedar, Lock-Key, Metal Plug, etc), 637 to 647 W Oak, Chicago, Ill.
Richardi & Bechtold (Cork Lined), Bellaire, Mich.
Rochester Laboratory Supply Co. (Laboratory Apparatus & Chemicals), Rochester, N. Y.
Sommer John Faucet Co. ("Star," Over 100 Different Kinds, Plain, Corked & Leather Lined, etc.), 30 Morris, Newark, N. J.
STILES H. A. & CO., 166-174 Portland, Boston, Mass.
See adv index at end of book
Waas Henry Co. (Leather Lined), 1861 Mission, San Francisco, Cal.
Windham Handle Co., South Windham, Conn

4588—Faucets & Bungs (For Steel Barrels, Etc.)

Chambers, Bering & Quinlan, Decatur, Ill.

4589—Fault Finders (Electric)

DU PONT E. I. DE NEMOURS & CO., INC., Explosives & Smokeless Powder Depts. ("Du Pont Permissible," "Duobel Permissible," "Monobel Permissible"), Wilmington, Del.
See adv index at end of book
Electric Controller & Mfg. Co., Cleveland, Ohio *See adv index at end of book*
Lundin Electric & Machine Co. ("Lun-
Weston Electrical Instrument Co. ("Weston"), 16 Weston av, Newark, N. J.

4590— Feed (Corn)

Acme Milling Co., Corry, Pa.
Baringer M. F., Bourse, Phila., Pa.
Bay State Milling Co., Winona, Minn.
Boutwell Milling & Grain Co., Troy, N. Y.
Brocker Chas. & Co., Dept. H, Owensboro, Ky.
Coombs Wm. A. Milling Co., Coldwater, Mich.
Crescent Milling Co. (Meal), Cynthiana, Ky.
Eagle Roller Mill Co., New Ulm, Minn.
King Milling Co., Lowell, Mich.
Krause C. A. Milling Co., 37th & Burnham, Milwaukee, Wis.

Lawrenceburg Roller Mills Co., Lawrenceburg, Ind.
Messenger H. B., Federalsburg, Md.
Middletown Milling Co., Middletown, Va.
Sedalia Milling Co., Sedalia, Mo.
Staley A. E. Mfg. Co. (Gluben Gluten), Dept. H, Decatur, Ill.
Tioga Mill & Elevator Co., Waverly, N. Y.

4591-2— Feed (Dairy)

Baringer M. F., Bourse, Phila., Pa.
Chapin Co., Hammond, Ind.
Chicago Heights Oil Mfg. Co., Chicago Heights, Ill.
International Sugar Feed Co., 15th av, S E. and Rollins Minneapolis, Minn.
Krause C. A. Milling Co., 37th & Burnham, Milwaukee, Wis.
Larrowe Milling Co., Cohocton, N. Y.
Quaker Oats Co., 80 E Jackson blvd, Chicago, Ill.
Tioga Mill & Elevator Co., Waverly, N.Y.

4593— Feed (Horse & Mule)

American Ice Co., Centr. bldg, Phila., Pa.
Chicago Heights Oil Mfg. Co., Chicago Heights, Ill.
Corno Mills Co., International Life bldg, St. Louis, Mo.
Eureka Mills Co., 711 S Theresa av, St. Louis, Mo.
International Sugar Feed Co., 15th av, S E. & Rollins, Minneapolis, Minn.
Krause Chas. A. Milling Co., 37th & Burnham, Milwaukee, Wis.
Quaker Oats Co., 80 E Jackson blvd, Chicago, Ill.
Tioga Mill & Elevator Co., Waverly, N. Y.

4594— Feed (Mill)

See also Flour Mills; also Meal

Ansted & Burk Co., Springfield, O.
Arapahoe Flour Mills, Arapahoe, Neb.
Baldwin Dwight M., Jr., 2219 Phillisburg av, Minneapolis, Minn.
Baringer M. F., Bourse, Phila., Pa.
Bay State Milling Co., Winona, Minn.
Big Diamond Mills Co., 922 Flour Exch., Minneapolis, Minn.
Blaisdell Milling Co., 204 Met. Nat'l Bank bldg., Minneapolis, Minn.
California Hawaiian Milling Co., 330 Ritch, San Francisco, Cal.
Canton Feed & Milling Co., 802 Navarre R S W, Canton, O.
Cataract City Milling Co., Niagara Falls, N. Y.
Cayuga Milling Co., Cayuga, Ind.
Centennial Mill Co., Avoca, Iowa
Champion Feed Milling Co., Clinton, Ia.
Coombs Wm. A. Milling Co., Coldwater, Mich.
Eagle Mills, Pocomoke City, Md.
Eagle Roller Mill Co., New Ulm, Minn.
Evrbest Milling Corp., Corry, Pa.
Fergus Flour Mills Co., Fergus Falls, Minn.
Fuhrer-Ford Milling Co., Mount Vernon, Ind.
Goldendale Milling Co., Goldendale, Wash.
Grimes Bros., Lexington, N. C.
Harvey Milling Co., Harvey, N. D.
Heath F. L., Corry, Pa.
Heisel C. (Est. of), Plattsmouth, Neb.
Henderson Roller Mills Co., Monroe, N. C.
La Grange Mills, Red Wing, Minn.
Lawrenceburg Roller Mills Co., Lawrenceburg, Ind.
Lexington Mill & Elevator Co., Lexington, Neb.
Lexington Roller Mills Co., Lexington, Ky.
Liken John C. & Co., Sebewaing, Mich.
Madison Mill & Grain Co., Madison, Wis.
Mennel Milling Co., Toledo, O.
Middletown Milling Co., Middletown, Va.
Miller & Parsons, Corry, Pa.
Morris City Mills, Morris, Minn.
National Milling Co., Toledo, Ohio
Nicholls-Loomis Co., 2505 Santa Fe av, Los Angeles, Cal.
North Branch Milling Co., North Branch, Minn.
Okeene Milling Co., Okeene, Okla.
Page Thomas Milling Co. (Wheat), Topeka, Kans.
Pillsbury Flour Mills Co. (Prepared & Dairy Feed), Metropolitan Life bldg, Minneapolis, Minn.
Red Wing Milling Co., Red Wing, Minn.
Rhinehart Grain Co., Uniopolis, O.
Scott County Milling Co., Sikeston, Mo.
Sheffield-King Milling Co., 3d floor Chamber Commerce, Minneapolis, Minn.
Sparks Milling Co., Alton, Ill.
Spelts A., Loup City, Neb.
Star Milling Co., Aurora, Ind.
Star & Crescent Milling Co., 104th & Calumet, Chicago, Ill.
Tennant & Hoyt Co., Lake City, Minn.
Tioga Mill & Elevator Co., Waverly, N. Y.
Tomkinson, Kenyon & Tomkinson Co., Honeoye Falls, N. Y.
Tri State Milling Co., Belle Fourche, S. D.
Vantassel R. H., Corry, Pa.
Voigt Milling Co., Grand Rapids, Mich.
Walnut Milling Co., Walnut, Iowa
Washburn-Crosby Co., Chamber Commerce, Minneapolis, Minn.
Wellington Milling Co., Anderson, Ind.
Wheatland Roller Mills Co., Wheatland, Wyo.
Willmar Milling Co., Willmar, Minn.

4595— Feed (Mixed)

Akin-Erskine Milling Co., 300 5th av, Evansville, Ind.
Croley, Geo. H., 8th and Townsend, San Francisco, Cal.
Marco Mills (Mixed Cereals), Pine Bluff, Ark.
Oswego Milling Co., Oswego, Kansas
Peters & Bradley Mill Co., N Broadway, Knoxville, Tenn.
Sedalia Milling Co., Sedalia, Mo.
South Georgia Milling Co. (Velvet Bean), Valdosta, Ga.
Waggoner-Gates Milling Co., Independence, Mo.

4596— Feed (Poultry)

Animal Food Co. ("An-Fo"), 3129 Elmwood av, Oakland, Cal.
Corno Mills Co., International Life bldg, St. Louis, Mo.
H-O Cereal Co., 54 Fulton, Buffalo, N. Y.
Howard C. T., Mulino, Oregon
Lawrenceburg Roller Mills Co., Lawrenceburg, Ind.
Marine Products Co. ("Argentine-Scrap-O-Meat"), 30th & Hosmer, Tacoma, Wash.
O'Bannon Co. (Wholesale), Wagoner, Okla.
Quaker Oats Co., 80 E Jackson blvd, Chicago, Ill.
Tioga Mill & Elevator Co., Waverly, N. Y.

4597—Feeders (Aluminum Railway)

Aluminum Company of America, 2301 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book

4598— *Feeders (Bagasse)

Honolulu Iron Works Co., 233 Broadway, New York
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

4599— Feeders (Boiler)

American Injector Co. ("U. S." Automatic Injector), Detroit, Mich.
Bryant Heater & Mfg. Co. (Automatic for Low Pressure Heating Boilers), 952 E 72nd, Cleveland, O.
Catchpole Boiler, Foundry & Machine Co., Geneva, N. Y.
Chaplin-Fulton Mfg. Co., 34 Penn av, Pittsburgh, Pa.
Coppus Engineering & Equipment Co., 344 Park, Worcester, Mass.
Foskett & Bishop Co., New Haven, Conn.
Gillis & Geoghegan, 537 W Broadway, New York
Hills McCanna Co., 2025 Eston av, Chicago, Ill.
Kelly & Jones Co., Greensburg, Pa.
See adv index at end of book
Kieley & Mueller ("Duplex"), 34 W 13th, New York
Kitts Mfg. Co., Oswego, N. Y.
Lawlor Regulator Co. ("Lawler's" Automatic for Low Pressure), 435 North Railroad av, Mt. Vernon, New York
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverley, Cincinnati, O.
See adv index at end of book
McAlear Mfg. Co., 1901 S Western av, Chicago, Ill.
NASON MFG. CO. (Immersed Valve, insure boiler by maintaining water level), 71 Fulton, New York
See adv index at end of book

Boiler Feeder

Nason Immersed Valve Feeder for water level control for low pressure steam house-heating boilers. The one dependable feeder in its class. It insures the boiler.

NASON MFG. CO.

71 Fulton St., New York

Randle Machinery Co. ("Leader"), C. H. & D. R. R. & Powers, Cincinnati, Ohio
Rutzler Enoch Co. (Low Pressure, Automatic), 404 E 49th, New York
Schutte & Koerting Co. ("Koerting"), 1251 N 12th, Phila., Pa.
See adv index at end of book
Simmons John Co., 110 Centre, New York
See adv index at end of book
Warren Steam Pump Co., Warren, Mass.
Watson N. A. ("Excelsior"), Erie, Pa.
Wright Geo. W., Lapel, Ind.

4600— Feeders (Boiler Oil)

Braun Corp. ("K. K." for Flotation Machy.), 363 New High, Los Angeles, Cal.
Lake Erie Mfg. Co. ("Perfection" Boiler Compound), 198 Chicago, Buffalo, N. Y.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
See adv index at end of book
Southwestern Engineering Co. ("K. K."), 606 S Hill, Los Angeles, Cal.
Taber Pump Co. (Automatic Boiler Compound), 291 Elm, Buffalo, N. Y.
Talmage Mfg. Co., 1279 W 3rd, Cleveland, Ohio
Watt's John M. Sons ("Wickersham American"), 54 N 2d, Phila., Pa.

4601— Feeders (Bottle)

Bishop & Babcock Co. ("Eureka" Automatic), 1204 E 55th, Cleveland, O.

4602— Feeders (Clay)

Anderson Foundry & Machine Works, Anderson, Ind.
Bartlett C. O. & Snow Co. (The), French, Cleveland, Ohio
See adv index at end of book
Hadfield-Penfield Steel Co. (The) (Agitating), Bucyrus, O.
See adv index at end of book
Marion Machine, Foundry & Supply Co. (Rust), Marion, Ind.
Schaffer Poidometer Co., Formerly Schaffer Engineering & Equipment Co., 2828 Smallman, Pittsburgh, Pa.
See adv index at end of book
Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.

Feeders (Coal Dust)

See Burners, Coal Dust

4603-4—Feeders (Cotton Gin)

Brown Cotton Gin Co., New London, Conn.
Carver Cotton Gin Co., E. Bridgewater, Mass.
Continental Gin Co., Birmingham, Ala.
Murray Co., Dallas, Texas

Feeders (Fuel)

See Feeders, Furnace

4605— Feeders (Furnace)

Allington & Curtis Mfg. Co., 1500 Holland av, Saginaw, Mich.
Bolander L. Ph. & Son ("B. & H." Patent Automatic), 954 Bryant, San Francisco, Cal.
Carlisle & Gale Co., 575 Albany, Boston, Mass.
Cyclone Blow Pipe Co. (Automatic), 2552 W 21st, Chicago, Ill.
Day Co., 1004 Lyndale, Minneapolis, Minn.
Dixie Mfg. Co. (Automatic), Russell & B. & O. R. R., Baltimore, Md.
Empire Blower & Pipe Co. (Automatic), Rochester, N. Y.
Garland M. Co., Bay City, Mich.
Marshall Blow Pipe Co., 7431 Dubois, Detroit, Mich.
Ohio Body & Blower Co., 9300 Detroit av, Cleveland, O.
Phoenix Mfg. Co. (Automatic, Sawdust), Eau Claire, Wis.
Porbeck Dust Arrester & Blow Pipe Co., 2017 N Broadway, St. Louis, Mo.
Schaffer Poidometer Co., Formerly Schaffer Engineering & Equipment Co. (Automatic Weighing), 2828 Smallman, Pittsburgh, Pa.
See adv index at end of book
Shreveport Blow-Pipe & Sheet Iron Works, Shreveport, La.
Sterling Blower Co. ("Sterling" Automatic), Hartford, Conn.
Venderbush Co. (Automatic), 617 Larned, Detroit, Mich.
Western Blow Pipe & Sheet Metal Co. (Automatic), 2524 S 7th, St. Louis, Mo.

4606— Feeders (Hog)

Bluffton Mfg. Co., Bluffton, Ohio
California Corrugated Culvert Co., W Berkeley & Los Angeles, Cal.
Coast Culvert & Flume Co., Col. blvd & Derby, Portland, Ore.
Columbian Steel Tank Co., New England bldg, Kansas City, Mo.
Martin Steel Products Co., Mansfield, Ohio
Perfection Metal Products Co., Topeka, Kan.
Shaw, Welsh & Co., Galesburg, Ill.

4606a— Feeders (Metal)

Lee, Geo. E. Co., Dept. H, Caxton bldg, Cleveland, Ohio

4607— Feeders (Ore)

Abbe Engineering Co., 38 Church, New York. *See adv index at end of book*
Allis-Chalmers Mfg. Co. (& Rock, Cement, etc.), Milwaukee, Wis.
See adv index at end of book

(Continued on following page)

Feeders (Ore)—Continued

Bartlett C. O. & Snow Co. (The), French, Cleveland, Ohio
See adv index at end of book
Bethlehem Shipbuilding Corp., Ltd., 20th & Michigan, San Francisco, Cal.
Conveyor Co., 140 W Elmyra, Los Angeles, Cal.
Denver Engineering Works Co., Denver, Colo.
Denver Quartz Mill & Crusher Co., Colo. bldg, Denver, Colo.
Frenier & Son, Rutland, Vt.
Hammond Mfg. Co., 54 1st, Portland, Ore.
Harron Rickard & McCone ("Hamil"), 225 S San Pedro, Los Angeles, Cal.
Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.
James Ore Concentrator Co. (Automatic), 85 Runyon, Newark, N. J.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
KENNEDY-VAN SAUN MFG. & ENG. CORP. ("Improved," "Challenge," Roll Shaking & Disc), 50 Church, New York *See adv index at end of book*
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Mecklenburg Iron Works, Charlotte, N. C.
SCHAFFER POIDOMETER CO., FORMERLY SCHAFFER ENGINEERING & EQUIPMENT CO. (Automatic Feeding & Weighing), 2828 Smallman, Pittsburgh, Pa.
See adv index at end of book
Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Worthington Pump & Machy. Corp. 115 B'way, New York

4607a— Feeders (Poultry)

Quaker Oats Co., 80H E Jackson blvd, Chicago, Ill.

4608—Feeders (Sugar Cane Carrier)

Boland Machine & Mfg. Co. ("Boland"), 1006 Tchoupitoulas, New Orleans, La.
Fulton Iron Works Co., St. Louis, Mo.
Honolulu Iron Works Co., 233 Broadway, New York
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W. Pershing rd, Chicago, Ill.
See adv index at end of book
Nadler Henry ("Walsh"), Plaquemine, La.
Wayte W. J., Inc. (Dirs), 5844 Grand Central Terminal, New York

4609-10—Feeders (Tube Mill)

Abbe Engineering Co. ("Ideal" Spiral Feeders), 33 Church, New York
See adv index at end of book
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Bartlett C. O. & Snow Co. (The), French, Cleveland, Ohio
See adv index at end of book
Schaffer Poidometer Co., Formerly Schaffer Engineering & Equipment Co., 2828 Smallman, Pittsburgh, Pa.
See adv index at end of book

4611— Feeds (Roll & Dial)

Bingham Stamping & Tool Co., Post & Albion, Toledo, Ohio
See adv index at end of book
Littell F. J. Machine Co. (For Punch Presses), 4127 Ravenswood av, Chicago, Ill.

4612—Feeds (Steam Car Saw Mill)

Allis-Chalmers Mfg. Co. (Direct Acting & Twin Engine), Milwaukee, Wis.
See adv index at end of book

4613— Feldspar

Binswanger H. P., 7 W 16th, New York
Carolina Feldspar Co., Asheville, N. C.
Carolina Mineral Co., Penland, N. C.
Cleveland Feldspar & Prod. Co., 10222 Meech av, Cleveland, Ohio
Clinchfield Products Corporation, 350 Madison av, New York
Crabtree Feldspar Corp., Johnson City, Tenn.
Crystal Chas. B. Co., Inc. (Jobbers), 13 Cliff, New York.
See adv index at end of book
Drakenfeld B. F. & Co., Inc., 50 Murray, New York
Eureka Flint & Spar Co., Trenton, N. J.
Foote Mineral Co., 109 N 19th, Phila., Pa.
Golding Sons Company, Trenton, N. J.
Guilford & Walterville Granite Co. (Rough & Ground), 10 E Pleasant, Baltimore, Md.
Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Hill C. W. Chemical Co., 405 E 3d, Los Angeles, Cal.
Howe Louis W., S. Glastonbury, Conn.
Kinkel's P. H. Sons, Bedford, N. Y.
National Sales Co., 31 E 13th, Cincinnati, O.
New England Quartz Co. of N. Y., 150 Nassau, New York
Pacific Spar Quarry, Balboa bldg, San Francisco, Cal.
Product Sales Co., Equitable bldg, Baltimore, Md.
Trenton Flint & Spar Co. (Miners), Trenton, N J
Vitro Manfg. Co. (Canadian & Domestic), H. Bessemer bldg, Pittsburgh, Pa.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

4613a—*Feldspar (Powdered)

Foote Mineral Co., 109 N 19th, Phila., Pa.

4613b—Felt Goods (Mechanical)

Barwood L. J. Mfg. Co.. ("Barwood"), Stoneham 80, Boston, Mass.
See adv index at end of book
BARWOOD V. H. MFG. CO. ("Barco"), Lynn, Mass.
See adv index at end of book
BRAWLEY T. R. (of Every Description), 270 20th, Brooklyn, N. Y.
See adv index at end of book

4614— Felt Mills

See also Felts, Hair

Albany Felt Co., Albany, N. Y.
American Felt Co., 211 Congress, Boston, Mass.
Bacon Felt Co. (Wool), Winchester, Mass.
Carey Philip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, O.
Eastern Felt Co. (Sheets, Wheels, etc), Canal, Winchester, Mass.
Eliot Mills, Inc., 184 Summer, Boston, Mass.
Felters Co., 103 Bedford, Boston, Mass.
Field & White Co. (Paper), 116 Nassau, New York
Foot Mfg. Co., 36 Germania av, Jersey City, N. J.
Ford Roofing Products Co., 2339 S La Salle, Chicago, Ill.
Garrett C. S. & Son Co., 22 S Marshall, Philadelphia, Pa.
House Chas. W. & Sons, Unionville, Conn.
National Felt Co., Easthampton, Mass.
Paige Frank E. & Co., 68 Essex, Boston, Mass.
Philadelphia Felt Co., La & Frankford cr, Phila., Pa.
Richardson Paper Co., Wyoming & Cooper avs, Lockland, O.
Seabright Woven Felt Co. (Woven & Mechanical), Camden, Me.
Slater Robert, Pompton Lakes, N. J.
Standard Felt Co., Alhambra, Cal.
Stroock Felt Mills (Padding), 315 4th av, New York
Tingue, Brown & Co., 118 E 25th, New York
Waterbury Felt Co., Skaneateles Falls, N. Y.
Waupaca Felting Mill, Waupaca, Wis.

4615— Felting (Shipbuilders)

Balfour, Guthrie & Co., 350 California, San Francisco, Cal.
Charleston Dry Dock & Machine Co., Charleston, S. C.
WILLIAMS & WELLS CO., 253 Fulton, New York *See adv index at end of book*

4616— Felts (Asphalt)

Asphalt Roof Coating Co., Ltd. ("Hudson" Brand), 10 E 43rd, New York
Barber Asphalt Co., Land Title bldg, Philadelphia, Pa.
Barrett Co., 40 Rector, New York
Certain-teed Products Corp., St. Louis, Mo.
Paraffin Co.'s, Inc., 475 Brannan, San Francisco, Cal.
Ruberoid Co. ("Ruberoid"), 95 Madison, av, New York
See adv index at end of book

RU-BER-OID
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Ruberoid Asphalt Felt
A superior quality felt thoroughly saturated with pure asphalt.
Ruberoid Asphalt Sheathing
A light weight, inexpensive, saturated felt.
The RUBEROID Co.
95 Madison Avenue New York

Watson H. F. Co. (30, 40 & 50 lbs), Erie, Pa.

4616a— Felts (Automobile)

Barwood L. J. Mfg. Co. ("Barwood"), Stoneham 80, Boston, Mass.
See adv index at end of book
BRAWLEY T. R., 270 20th, Brooklyn, N. Y. *See adv index at end of book*
Continental Felt Co., 64-66 E 11th, N. Y.
See adv index at end of book
Felters Co., 103 Bedford, Boston, Mass.
Gasket Supply Co., 1927 Ludlow, Philadelphia, Pa.
See adv index at end of book
Keystone Gasket Mfg. Co., 829 N 4th
See adv index at end of book
Monarch Felt Works, 39-45H York, Brooklyn, N. Y.
Lyons Felt Co., 338 Myrtle av, Brooklyn, N. Y.
Star Felt Cutting Co., 260 69th, Brooklyn, N. Y.

4617— Felts (Cotton)

BRAWLEY T R (Mechanical), 270 20th, Brooklyn, N. Y.
See adv index at end of book
Burton-Dixie Corp., 2024 S Racine av, Chicago, Ill.
Califelt Insulation Mfg. Co., 1224 Santa Fe av, Los Angeles, Cal.
Commonwealth Felt Co. (Jobbers), 74-78 Summer, Boston, Mass.
Continental Felt Co. (Mechanical), 64-66 E 11th, New York
See adv index at end of book
Eliot Mills, Inc., 184 Summer, Boston, Mass.
Felters Co., 103 Bedford, Boston, Mass.
Hooper Wm. E. & Sons Co., 3502 Parkdale av, Baltimore, Md.
Hudson Fibre Co. (For Mattresses, etc), Hudson, N. Y.
Lee W. M., Athol, Mass.
Monarch Felt Works (Mechanical), 39-45H York, Brooklyn, N. Y.
Pacific Felt Cutting & Sewing Co., 26H Clementina, San Francisco, Cal.
Royall & Borden, Goldsboro, N. C.
Schwing R. I. Co., Inc., Plaquemine, La.
Smith O. & Sons Co., C & Clearfield, Phila., Pa.
Snell Chas. W. Co., 937 W 47th, Chicago, Ill.
Star Felt Cutting Co., 260 69th, Brooklyn, N. Y.
Stearns & Foster Co., Lockland, O.
Stroock Felt Mills, 315 4th av, New York
Vincent F. J., Little Falls, N. Y.

4618— Felts (Deadening)

American Felt Co., 211 Congress, Boston, Mass.
Am. Tar Products Co., 208 S. La Salle, Chicago, Ill.
Barrett Co., 40 Rector, New York
Bird & Son ("Neponset," "Florian"), East Walpole, Mass.
BRAWLEY T. R., 270 20th Brooklyn, N. Y.
See adv index at end of book
Carey Philip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, O.
Certain-teed Products Corp., Boatman's Bank bldg., St. Louis, Mo.
Chatfield Mfg. Co., Carthage, Cincinnati, O.
Chatfield & Woods Co., 3d & Plum, Cincinnati, O.
Commonwealth Felt Co. (Jobbers), 74-78 Summer, Boston, Mass.
Continental Felt Co., 64-66 E 11th, N. Y.
See adv index at end of book
Ehret Magnesia Mfg. Co., Valley Forge, Pa.
Ford Roofing Products Co., 2339 La Salle, Chicago, Ill.
Garrett C. S. & Son Co. ("C. S. G."), 20 S Marshall, Phila., Pa.
Johns-Manville Inc. (Also Laundry), Madison av & 41st, New York
Kingston Paper Co., Inc., Little Falls, N. Y.
Los Angeles Paper Mfg. Co., Los Angeles, Cal.
Mac-Sim-Bar Paper Co. (Building), Otsego, Mich.
Mikesell Bros. Co., Wabash, Ind.
See adv index at end of book
Monarch Felt Works, 39-45 York, Brooklyn, N. Y.
Munroe Falls Paper Co., Massillon, O.
Newton Paper Co., Holyoke, Mass.
Northern Insulating Co. ("Flaxlinum" "Flaxlinum Keyboards." A fibre for buildings), St. Paul, Minn.
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Star Felt Cutting Co., 260 69th, Brooklyn, N. Y.
Union Fibre Co. Inc. ("Lith," "Linofelt" & Quilted Flax Fibre & Mineral Wool Sound Deadner), Winona, Minn.
United States Mineral Wool Co., 280 Madison av, New York
Watson H. F. Co. ("Superior" & "Comfort" Brand of Wool), Erie, Pa.
Woolbestos Products Co. ("Woolbestos"), Torrance, Cal.

4618a— Felts (Elastic)

Brawley T. R., 270 20th, Brooklyn, N. Y.
See adv index at end of book
Continental Felt Co., 64-66 E 11th, New York. *See adv index at end of book*
Lyons Felt Co., 338 Myrtle av, Brooklyn, N. Y.
Monarch Felt Works, 39-45H York, Brooklyn, N. Y.

4618b— Felts (Eraser)

American Felt Co., 211 Congress, Boston, Mass.
Brawley T. R., 270 20th, Brooklyn, N. Y.
See adv index at end of book
Continental Felt Co., 64-66 E 11th, New York. *See adv index at end of book*
Felters Co., 103 Bedford, Boston, Mass.
Monarch Felt Works, 39-45H York, Brooklyn, N. Y.

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4618c— Felts (Filter)

Brawley T. R., 270 20th, Brooklyn, N. Y.
See adv index at end of book
Continental Felt Co., 64-66 E 11th New York. *See adv index at end of book*
Monarch Felt Works, 39-45H York, Brooklyn, N. Y.

4619—Felts For Electrical Purposes

See also Felt Mills; also Felt, Hair

Advance Felt & Cutting Co., 330H S Jefferson, Chicago, Ill.
American Felt Co., 211 Congress, Boston, Mass.
Bacon Felt Co. ("Bacon"), Winchester, Mass.
Booth Felt Co., Inc., 473 19th, Brooklyn, N. Y.
BRAWLEY T. R., 270 20th, B'klyn, N. Y.
See adv index at end of book
Commonwealth Felt Co. (Jobbers), 74-78 Summer, Boston, Mass.
CONTINENTAL FELT CO., 64-66 E 11th, New York
See adv index at end of book
Eastern Felt Co., Canal, Winchester, Mass.
Federal Felting Co., Westerly, R. I.
Felters Co., 103 Bedford, Boston, Mass.
Flaxinum Insulating Co., Hampden & Wabash, St. Paul, Minn.
House Chas. W. & Sons, Unionville, Conn.
Johns-Manville H. W. Co., Madison av & 41st, New York
Kenworthy Bros., Stoughton, Mass.
Paige Frank E. & Co., 63 Essex, Boston, Mass.
Standard Felt Co., 404 S Wells, Chicago, Ill.
Star Felt Cutting Co., 260-69 B'klyn, N. Y.
Stroock Felt Mills, 315 4th av, New York
Watson H. F. Co., Erie, Pa.
Western Felt Works, 4115 Ogden av, Chicago, Ill.
Wild Jos. & Co., 230 5th av, New York

4619a— Felts (Furniture)

Brawley T. R., 270 20th, Brooklyn, N. Y.
See adv index at end of book
Continental Felt Co., 64-66 E 11th, New York. *See adv index at end of book*
Felters Co., 103 Bedford, Boston, Mass.
Monarch Felt Works, 39-45H York, Brooklyn, N. Y.

4620— Felts (Hair)

American Hair Felt Co., 41st & Madison av, New York
Brawley T. R., 270 20th, Brooklyn, N. Y.
See adv index at end of book
Califelt Insulation Mfg. Co., 1224 Santa Fe av, Los Angeles, Cal.
Commonwealth Felt Co. (Jobbers), 74-78 Summer, Boston, Mass.
Felt Products Mfg. Co., 1507 Carroll av, Chicago, Ill.

(Continued on following page)

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Johns-Manville Inc. (For Refrigeration Hot & Cold Water Pipes), Madison av & 41st, New York
Keystone Hair Insulator Co., 1243 Spring Garden, Pittsburgh, Pa.
Mikesell Bros. Co., Wabash, Ind.
See adv index at end of book
Newark Hair Felt Co., Lansdale, Pa.
Star Felt Cutting Co., 260 69th, Brooklyn, N. Y.
Trainer C. W. Mfg. Co., 55 High, Boston, Mass.
Watson H. F. Co., Erie, Pa.
WILLIAMS & WELLS CO., 253 Fulton, New York *See adv index at end of book*

4621— Felts (Hat)

American Felt Co., 211 Congress, Boston, Mass.
BRAWLEY T. R. (Felt Pads), 270 20th, Brooklyn, N. Y.
See adv index at end of book
Commonwealth Felt Co. (Jobbers), 74-78 Summer, Boston, Mass.
Continental Felt Co. (Hat Pads), 64-66 E 11th, New York
See adv index at end of book
Felters Co., 103 Bedford, Boston, Mass.
Monarch Felt Works (Felt Pads), 39-45H York, Brooklyn, N. Y.
Star Felt Cutting Co., 260 69th, Brooklyn, N. Y.
Stroock Felt Mills, 315 4th av, New York
Wild Jos. & Co., 230 5th av., New York

Felts (Insulating)

See Felts for Electrical Purposes

4622— Felts (Journal Box)

Bacon Felt Co. ("Bacon"), Winchester, Mass.
Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book
Brawley T. R., 270 20th, Brooklyn, N. Y.
See adv index at end of book
Continental Felt Co., 64-66 E 11th, New York. *See adv index at end of book*
Felt Products Mfg. Co., 1507 Carroll av, Chicago, Ill.
Monarch Felt Works, 39-45H York, Brooklyn, N. Y.
Star Felt Cutting Co., 260 69th, Brooklyn, N. Y.

4623— Felts (Jute)

Eliot Mills, Inc., 184 Summer, Boston, Mass.
Vincent Frank J., Little Falls, N. Y.

4623a—Felts (Lamp Base)

BRAWLEY, T. R., 275 20th, Brooklyn, N. Y. *See adv index at end of book*
Continental Felt Co., 64-66 E 11th, New York. *See adv index at end of book*
Felters Co., 103 Bedford, Boston, Mass.
Monarch Felt Works, 39-45H York, Brooklyn, N. Y.
Star Felt Cutting Co., 260 69th, Brooklyn, N. Y.

4623b— Felts (Laundry)

American Felt Co., 211 Congress, Boston, Mass.
BRAWLEY T. R., 270 20th, B'klyn, N. Y.
See adv index at end of book
Continental Felt Co., 64-66 E 11th, New York. *See adv index at end of book*
Felters Co., 103 Bedford, Boston, Mass.
Felt Products Mfg. Co., 1507 Carroll av, Chicago, Ill.
Monarch Felt Works, 39-45H York, Brooklyn, N. Y.
Star Felt Cutting Co., 260 69th, Brooklyn, N. Y.
Wild Jos. & Co., 230 5th av, New York

4623c— Felts (Mat)

Brawley T. R., 270 20th, B'klyn, N. Y.
See adv index at end of book
Continental Felt Co., 64-66 E 11th, New York. *See adv index at end of book*
Felters Co., 103 Bedford, Boston, Mass.
Monarch Felt Works, 39-45H York, Brooklyn, N. Y.
Star Felt Cutting Co., 260 69th, Brooklyn, N. Y.

4624— Felts (Mechanical)

American Washer Works, 91 Wallabout, Brooklyn, N. Y.
Bacon Felt Co. ("Bacon," Buffing, Packing, Filtering, etc.), Winchester, Mass.
Booth Felt Co., Inc., 473 19th, Brooklyn, N. Y.
Boston Felt Mfg. Co., 110 Beach, Boston, Mass.
BRAWLEY T. R. (of Every Description), 270 20th, Brooklyn, N. Y.
See adv index at end of book
Commonwealth Felt Co. (Jobbers), 74-78 Summer, Boston, Mass.
CONTINENTAL FELT CO. (Of Every Description), **64-66 E 11th, New York**
See adv index at end of book
Eastern Felt Co., Canal, Winchester, Mass.
Felters Co., 103 Bedford, Boston, Mass.
House Chas. W. & Sons, Unionville, Conn.
Mikesell Bros. Co., Wabash, Ind.
See adv index at end of book
Monarch Felt Works (of Every Description), 39-45H York, Brooklyn, N. Y.
Pacific Felt Cutting & Sewing Co., 36H Clementina, San Francisco, Cal.
Paige Frank E. & Co., 68 Essex, Boston, Mass.
Star Felt Cutting Co., 260 69th, Brooklyn, N. Y.
Western Felt Wks. (Cut to Any Size), 4115 Ogden av, Chicago, Ill.
Wild Jos. & Co., 230 5th av, New York

Felts (Papermakers')

See Felts & Jackets, Paper Makers'

4625— Felts (Pennant)

American Felt Co., 211 Congress, Boston, Mass.
Felters Co., 103 Bedford, Boston, Mass.
Stroock Felt Mills, 315 4th av, New York
Wild Jos. & Co., 230 5th av, New York

4626— Felts (Piano & Organ)

Advance Felt & Cutting Co., 320H S Jefferson, Chicago, Ill.
American Felt Co., 211 Congress, Boston, Mass.
Commonwealth Felt Co. (Jobbers), 74-78 Summer, Boston, Mass.
Crane Felt Mfg. Co., Belvidere, N. J.
Felters Co., 103 Bedford, Boston, Mass.
Los Angeles Paper Mfg. Co., 1633 N San Pablo, Los Angeles, Cal.
Lyons Felt Co. (Piano), 338 Myrtle av, Brooklyn, N. Y.
Paige Frank E. & Co., 68 Essex, Boston, Mass.
Standard Felt Co., Alhambra, Cal.
Star Felt Cutting Co., 260 69th, Brooklyn, N. Y.
Stroock Felt Mills, 315 4th av, New York
Wild Jos. & Co., 230 5th av, New York

4627— Felts (Polishing)

Advance Felt & Cutting Co., 320H S Jefferson, Chicago, Ill.
American Felt Co., 211 Congress, Boston, Mass.
Bacon Felt Co. ("Bacon"), Winchester, Mass.
Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book
BRAWLEY T. R., 270 20th, Brooklyn, N. Y. *See adv index at end of book*
Commonwealth Felt Co., 74-78 Summer, Boston, Mass.
Continental Felt Co., 64-66 E 11th, New York. *See adv index at end of book*
Crane Felt Mfg. Co., Belvidere, N. J.
Eastern Felt Co. (Sheets), Canal, Winchester, Mass.
Felters Co., 103 Bedford, Boston, Mass.
Felt Products Mfg. Co., 1507 Carroll av, Chicago, Ill.
House Chas. W. & Sons, Unionville, Conn.
Lyons Felt Co., 338 Myrtle av, Brooklyn, N. Y.
Monarch Felt Works, 39-45H York, Brooklyn, N. Y.
Paige Frank E. & Co., 68 Essex, Boston, Mass.
Tingue, Brown & Co., 118 E 25th, New York

4627a—Felts (Ring Dust)

Barwood L. J. Mfg. Co. ("Barwood"), Stoneham 80, Boston, Mass.
See adv index at end of book
Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book
BRAWLEY T. R., 270 20th, Brooklyn, N. Y.
See adv index at end of book
Continental Felt Co., 64-66 E 11th, New York. *See adv index at end of book*
Monarch Felt Works, 39 45H York, Brooklyn, N. Y.
Star Felt Cutting Co., 260 69th, Brooklyn, N. Y.

4628— Felts (Roofing)

See also Papers, Roofing & Sheathing

American Tar Products Co., 208 S La Salle, Chicago, Ill.
Barber Asphalt Paving Co. ("Genasco" Asphalt Saturated), Land Title bldg, Phila., Pa.
Barrett Co. (Also Tarred & Saturated Wool, Felts, etc.), 40 Rector, New York
Burke Augustus Roofing Co., 2621 N Halsted, Chicago, Ill.
CABOT SAMUEL, INC. ("Turtle Brand"), 141 Milk, Boston, Mass.
See adv index at end of book
CAREY PHILIP MFG. CO., 330 Wayne av, Lockland, Cincinnati, O.
Certain-teed Products Corp., Boatman's Bk Bldg, St. Louis, Mo.
Chatfield Mfg. Co., Carthage, Cincinnati, O.
Chatfield & Woods Co., 3d & Plum, Cincinnati, O.
Ehret Magnesia Mfg. Co., Valley Forge, Pa.
Field & White Co. (Paper), 116 Nassau, New York
Flintkote Co. ("Rex Flintkote," "Zarex," "Rex Red," "Paradux," "Mikado," "Rex Slate Surfaced," "Rex Strip," "Shingle," "Rex Wide Space" Shingle," "Rex Diamond Paint Strip," "Rex Reversible Paint," "Steadfast," "Guardian"), 88 Pearl, Boston, Mass.
Ford Roofing Products Co. ("Pyramid," Tarred), 2339 S. La Salle, Chicago, Ill.
Garrett C S. & Son Co., 22 S Marshall, Phila., Pa.

HEWITT C. B. & BROS., 20 Ferry, New York *See adv index at end of book*
Johns-Manville Inc., Madison av & 41st, New York
Kingston Paper Co., Inc. (Dry Felt), Little Falls, N. Y.
Lewis F. J. Mfg. Co., 2513 S Robey, Chicago, Ill.
Mikesell Bros. Co., Wabash, Ind.
See adv index at end of book
Munroe Falls Paper Co., Massillon, O.
National Roofing Co., Tonawanda, N. Y.
Nelson B. F. Mfg. Co., Minneapolis, Minn
New England Felt Roofing Works, 101 Milk, Boston, Mass.
North Chicago Roofing Co., 851 W North av, Chicago, Ill.
Powell M. W. Co., 140 S Dearborn, Chicago, Ill.
Powell & Jones, 3544 Rhodes av, Chicago, Ill.
Richardson Paper Co., **Wyoming & Cooper avs, Lockland, O.**
Safepack Mills ("Safekote"), 727 Atlantic av, Boston, Mass.
Stowell Mfg. Co., 240 Culver av, Jersey City, N. J.
Trinidad Asphalt Mfg. Co., Title Guaranty Trust bldg, St. Louis, Mo.
Watson H. F. Co., Erie, Pa.

4628a—Felts (Rubbing)

American Felt Co., 211 Congress, Boston, Mass.
Brawley T. R., 270 20th, Brooklyn, N. Y.
See adv index at end of book
Continental Felt Co., 64-66 E 11th, New York. *See adv index at end of book*
Felters Co., 103 Bedford, Boston, Mass.
Lyons Felt Co., 338 Myrtle av, Brooklyn, N. Y.
Monarch Felt Works, 30-45H York, Brooklyn, N. Y.
Star Felt Cutting Co., 260 69th, Brooklyn, N. Y.

4629— Felts (Saddlery)

American Felt Co., 211 Congress, Boston, Mass.
Bacon Felt Co. ("Bacon"), Winchester Mass.
Brawley, T. R. (also Harness), 270 20th, Brooklyn, N. Y.
See adv index at end of book
Commonwealth Felt Co. (Jobbers), 74-78 Summer, Boston, Mass.
Continental Felt Co. (also Harness), 64-66 E 11th, New York
See adv index at end of book
Felters Co., 103 Bedford, Boston, Mass.
Monarch Felt Works (Also Harness), 39-45H York, Brooklyn, N. Y.
Stroock Felt Mills, 315 4th av, New York
Wild Jos. & Co., 230 5th av, New York

4629a— Felts (Saturated)

RUBEROID CO. THE (Ruberoid Asphalt Felt, a superior quality felt saturated with pure asphalt; Ruberoid Asphalt Sheathing, a light weight, inexpensive saturated felt), 95 Madison av, New York
See adv index at end of book

4629b—Felts (Shock Absorber)

BRAWLEY T. R., 270 20th, Brooklyn, N. Y. *See adv index at end of book*
Continental Felt Co., 64-66 E 11th, New York. *See adv index at end of book*
Felters Co., 103 Bedford, Boston, Mass.
Monarch Felt Works, 39-45H York, Brooklyn, N. Y.

4630— Felts (Shoe)

Advance Felt & Cutting Co., 320H S Jefferson, Chicago, Ill.
American Felt Co., 211 Congress, Boston, Mass.
Bacon Felt Co. ("Bacon"), Winchester, Mass.
Commonwealth Felt Co. (Jobbers), 74-78 Summer, Boston, Mass.
Continental Felt Co., 64-66 E 11th, New York. *See adv index at end of book*
Eastern Felt Co. (Non-Cake Pads, Heel Scouring, Wheel & Buffing Rolls), Canal, Winchester, Mass.
Felters Co., 103 Bedford, Boston, Mass.
Standard Felt Co., Alhambra, Cal.
Stroock Felt Mills, 315 4th av, New York
Wild Jos. & Co., 230 5th av, New York

4631—Felts (Tarred Saturated)

American Tar Products Co. ("A. T. P."), 208 S La Salle, Chicago, Ill.
Barrett Co., 40 Rector, New York
Betts C. G. Co., 1202 E Sprague, Spokane, Wash.
Certain-teed Products Corp., Boatman's Bk bldg, St. Louis, Mo.
Chatfield Mfg. Co., Carthage, Cincinnati, O.
Ford Roofing Products Co. ("Pyramid" Brand & Asphalt), 2339 S. La Salle, Chicago, Ill.
General Roofing Mfg. Co., Boatman's Bank bldg, St. Louis, Mo.
Lewis F. J. Mfg. Co., 2513 S Robey, Chicago, Ill.
Safepack Mills ("Safekote"), 727 Atlantic av, Boston, Mass.
Watson H. F. Co. (Roofing, Slating, etc), Erie, Pa.

4632— Felts (Upholstery)

Advance Felt & Cutting Co., 320H S Jefferson, Chicago, Ill.
American Felt Co., 211 Congress, Boston, Mass
Brawley T. R., 270 20th, Brooklyn, N. Y.
See adv index at end of book
Commonwealth Felt Co. (Jobbers), 74-78 Summer, Boston, Mass.
CONTINENTAL FELT CO., 64-66 E 11th New York *See adv index at end of book*
Eliot Mills Inc., 184 Summer, Boston, Mass.
Felters Co., 103 Bedford, Boston, Mass.
Monarch Felt Works, 39-45H York, Brooklyn, N. Y.
Schwing R. I. Co., Inc., Plaquemine, La.
Snell Chas. W. Co., 937 W 47th, Chicago, Ill.
Star Felt Cutting Co., 260 69th, Brooklyn, N. Y.
Stroock Felt Mills, 315 4th av, New York
Wild Jos. & Co., 230 5th av, New York

4632a—Felts (Wall Paper, Printing)

Bacon Felt Co. ("Bacon"), Winchester, Mass.
Brawley, T. R., 270 20th, Brooklyn, N. Y.
See adv index at end of book
Commonwealth Felt Co. (Jobbers), 74-78 Summer, Boston, Mass.
Eastern Felt Co. (Block Cutters), Canal, Winchester, Mass.
House Chas. W. & Sons, Unionville, Conn.
Monarch Felt Works, 39-45H York, Brooklyn, N. Y.

4632b—Felts (Weatherstrip)

American Felt Co., 211 Congress, Boston, Mass.
Advance Felt & Cutting Co., 320H S Jefferson, Chicago, Ill.
Booth Felt Co., Inc., 473 19th, Brooklyn, N. Y.
Brawley T. R., 270 20th, Brooklyn, N. Y.
See adv index at end of book
Commonwealth Felt Co. (Jobbers), 74-78 Summer, Boston, Mass.
Continental Felt Co., 64-66 E 11th, New York *See adv index at end of book*
Felters Co., 103 Bedford, Boston, Mass.
Monarch Felt Works, 39-45H York, Brooklyn, N. Y.
Star Felt Cutting Co., 260 69th, Brooklyn, N. Y.

4633— Felts (Wool)

Advance Felt & Cutting Co., 320H S Jefferson, Chicago, Ill.
Albany Felt Co. (Woven), 1333 B'way, Albany, N. Y.
American Felt Co., 211 Congress, Boston, Mass.
American Tar Products Co. (Pipe Covering), 208 S La Salle, Chicago, Ill.
Appleton Woolen Mills, Appleton, Wis.
Bacon Felt Co. ("Bacon"), Winchester, Mass.
BRAWLEY T. R. (Mechanical), 270 20th, Brooklyn, N. Y.
See adv index at end of book
Byfield Woolen Co., Byfield, Mass.
Commonwealth Felt Co. (Jobbers), 74-78 Summer, Boston, Mass.
Continental Felt Co. (Mechanical), 64-66 E 11th, New York
See adv index at end of book
Crane Felt Mfg. Co., Belvidere, N. J.
Draper Bros. Co., Canton, Mass.
Eastern Felt Co. (Sheets for Rubbing, Buffing & Polishing), Winchester, Mass.
Federal Felting Co., Clark's Falls, Conn.
Felters Co., 103 Bedford, Boston, Mass.
Heathcote S. E. & Co., Glen Rock, Pa.
House Chas. W. & Sons, Unionville, Conn.
Huyck F. C. & Sons, Albany, N. Y.
Knox Woolen Co., Camden, Me.
Lawrence Felting Co., Millville, Mass.
Little Falls Fibre Co., Little Falls, N. Y.
Lounsbury & Bissell Co., Winnipauk, Conn.
Lowell Felt Co., Lowell, Mass.
Mikesell Bros. Co., Wabash, Ind.
See adv index at end of book
Monarch Felt Works (Mechanical), 39-45H York, Brooklyn, N. Y.
National Felt Co., Easthampton, Mass.
Noone's J. Sons Co., Peterboro, N. H.
Orr Felt & Blanket Co., Piqua, O.
Pacific Felt Cutting & Sewing Co., 26H Clementina, San Francisco, Cal.
Phila. Felt Co., La & Frankford cr, Phila., Pa.
Seabright Woven Felt Co. (Woven), Camden, Me.
Sindle H. S., Little Falls, N. J.
Standard Felt Co., Alhambra, Cal.
Star Felt Cutting Co., 260 69th, Brooklyn, N. Y.
Stroock Felt Mills, 315 4th av, New York
Waterbury H. & Sons Co., Oriskany, N. Y.
Waupaca Felting Mill, Waupaca, Wis.
Western Felt Works, 4115 Ogden av, Chicago, Ill.
Wolstencroft Felt Mfg. Co., Mulberry & Bridge, Phila., Pa.

4634—Felts & Jackets (Papermakers')

Albany Felt Co. ("Albany"), 1333H B'way, Albany, N. Y.
American Felt Co., 211 Congress, Boston, Mass.
Appleton Woolen Mills, Appleton, Wis.
Bulkley, Dunton & Co. ("Excelsior"), 75 Duane, New York
California Cotton Mills, Kennedy & Railroad av, Oakland, Cal.
Commonwealth Felt Co. (Jobbers), 74-78 Summer, Boston, Mass.
Draper Bros. Co. (Press & Pulp Felts), Canton, Mass.
Fitchburg Duck Mills (Paper Mill Dryer Felts), Fitchburg, Mass.
Hooper Wm. E. & Sons Co., 3502 Parkdale av, Baltimore, Md.
Huyck F. C. & Sons ("Kenwood"), Albany, N. Y.
Knox Woolen Co., Camden, Me.
Louis, Mo.
Lawrence Duck Co., Lawrence, Mass.
Mt. Vernon Woodberry Mills Inc. ("Mt. Vernon" & "Richland" Triplex Weave), 506 Continental bldg, Baltimore, Md.
Orr Felt & Blanket Co., Piqua, O.
Phila. Felt Co., La & Frankford cr, Phila., Pa.
Shuler & Benninghofen, Hamilton, O.
Waterbury Felt Co., Skaneateles Falls, N. Y.
Waterbury H. & Sons Co., Oriskany, N. Y.

4634a—Fence (Wire Link)

Page Steel & Wire Co., Adrian, Mich.

4634b— Fences (Chain Link)

Anchor Post Iron Works, 50 Church, New York *See adv index at end of book*
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Stewart Iron Works Co., Inc., 238 Stewart blk, Cincinnati, Ohio
See adv index at end of book

4635—Fences (Combination Wire & Picket)

Anchor Post Iron Works ("Anchor Post"), 50 Church, New York
See adv index at end of book
CROWN IRON WORKS CO., 1229 Tyler, Minneapolis, Minn.
Cyclone Fence Co., Waukegon, Ill.
Fiske J. W. Iron Works, 111 Park pl, New York
Page Steel & Wire Co., Adrian, Mich.
Scranton Iron & Steel Co., 1335 Capouse av, Scranton, Pa.

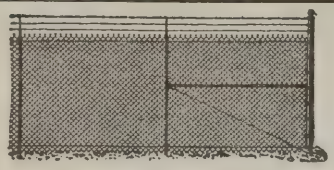
4636— Fences (Farm)

See also Fences, Railroad

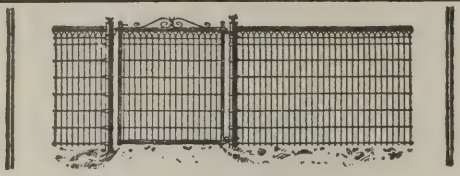
Anchor Post Iron Works, 50 Church, New York *See adv index at end of book*
Bethlehem Fence Works, Bethlehem, Pa.
Bethlehem Steel Co., Bethlehem, Pa.
Crown Iron Works Co., 1229 Tyler, Minneapolis, Minn.
Darby Edw. J. & Son, 119 Vine, Phila., Pa.
See adv index at end of book
Dinn P. J. & Co., 278 Dover, Boston, Mass.
Elliott & Reid Co., Richmond, Ind.
Fiske J. W. Iron Wks., 111 Park pl, New York
KEYSTONE STEEL & WIRE CO. (The "Red Strand" Hog Field and Poultry Fence), Peoria, Ill.
Knapp Fence Co., 152 E 134th, Cleveland, O.
Page Steel & Wire Co., Adrian, Mich.
Scranton Iron & Steele Co., 1335 Capouse av, Scranton, Pa.

4636a—Fences (Hog & Cattle)

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Bethlehem Fence Works, Bethlehem, Pa.
Crown Iron Works Co., 1229 Tyler, Minneapolis, Minn.
Cyclone Fence Co., Waukegan, Ill.
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Elliott & Reid Co., Richmond, Ind.
Fischer & Hayes Rope & Steel Co., 816 W. Erie, Chicago, Ill.
Fiske J. W. Iron Wks., 111 Park pl, New York
KEYSTONE STEEL & WIRE CO. (The "Red Strand" Hog Field & Poultry Fence), Peoria, Ill.
Knapp Fence Co., 1152 E 134th, Cleveland, O.
Scranton Iron & Steel Co., 1335 Capouse av, Scranton, Pa.



Unclimbable factory fences and powerful electric weld factory gates, in chain link or other wire, erected 6', 7', 8' and higher. Thoroughly galvanized. Retain alignment.



Low and high chain link, woven wire, and other types of lawn fences, with iron picket or wire-filled gates. Galvanized, strong, durable. Every type available for public or private installation.



Railings and Gates, made by a new exclusive process of electric-weld. Pickets cannot fall—panels will not sag. Erected on brick, stone, iron or other columns, or upon Anchor Post channel uprights.

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4637—Fences (Iron & Steel Picket)

American Fence Constr. Co. (Steel), 130 W 34th, New York
Anchor Post Iron Works (Welded, "Anchor Post"), 50 Church, New York
See adv index at end of book
Barnum E. T. Iron & Wire Works, 501-23 Cass av, Detroit, Mich.
Bayer-Rothgeb Co. (Iron), Los Angeles, Cal.
Belmont Iron Works, 22d & Washington av, Phila., Pa.
Bethlehem Fence Works, Bethlehem, Pa.
Braun J. G., 609 S Paulina, Chicago, Ill.
Builders' Iron Works, 1514 E. Scotts av, Stockton, Cal.
Carbo Steel Products Co., 2600 W 111th, Morgan Park Station, Chicago, Ill.
CINCINNATI IRON FENCE CO., 3312 Spring Grove av, Cincinnati, Ohio
See adv index at end of book
Crown Iron Works Co., 1129 Tyler, Minneapolis, Minn.
Cyclone Fence Co., Waukegan, Ill.
Darby Edw. J. & Son (Iron), 319 Vine, Phila., Pa. *See adv index at end of book*
Davis & Siehl Co. (Steel), 4032 Hamilton av, Cincinnati, O.
Dayton Steel Construction Co., Maine Chapel rd, Dayton, O.
Dinn P. J. & Co. (Iron), 278 Dover, Boston, Mass.
Enterprise Iron Works, Indianapolis, Ind.
Estey Bros. Co., 270 Union av, Brooklyn, N. Y.
FISKE J. W. IRON WORKS, 111 Park pl, New York
Harris Bros. Co., 35th & Irons, Chicago, Ill.
Kleeman L. F. Mfg. Co., 1923 Central, Kansas City, Mo.
Mesker Bros. Iron Co., 421 S 6th, St.
Meyers Fred J. Mfg. Co., Hamilton, O.
Page Steel & Wire Co., Adrian, Mich.
Pettler Wire Products Co., "(Hartman" Wrought Steel), Beaver Falls, Pa.
Plocher Andrew Sons Co., Dayton, O.
Portage Iron & Wire Co., 1131 Johnston, Akron, O.
Roanoke Iron & Bridge Wks, Inc, Roanoke, Va.
Scranton Iron & Steel Co., 1335 Capouse av, Scranton, Pa.
Sheer Bros. Fence & Iron Co., 715 E 103d, Cleveland, O.
SMITH F. P. WIRE & IRON WORKS ("Triangular"), 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Smith Fence & Iron Co. (Steel), Waynesboro, Pa.
Snow W. A. Iron Works, Inc., 32 Portland, Boston, Mass.
STEWART IRON WORKS CO., INC., 238 Stewart blk, Cincinnati, O.
See adv index at end of book
Van Dorn Iron Works Co. (The), 2700 E. 79th, Cleveland, Ohio
See adv index at end of book
Verdeckberg Iron & Wire Works Co., 1109 California, Denver, Colo.
West Coast Wire & Iron Works, 861 Howard, San Francisco, Cal.
West Side Structural Co., Troy, N. Y.
Wisconsin Iron & Wire Wks. (Ornamental), Milwaukee, Wis.

4637a— Fences (Lawn)

Am. Steel & Wire Co., 208 S La Salle, Chicago, Ill. *See adv index at end of book*
Crown Iron Works Co., 1229 Tyler, Minneapolis, Minn.
Darby Edw. J. & Son, 319 Vine, Phila., Pa. *See adv index at end of book*
Hartman-Sanders Co., 2155 Elston av, Chicago, Ill.
Keystone Steel & Wire Co. (The "Red Strand" Hog Field & Poultry Fence), Peoria, Ill.

Fences (Ornamental Iron)

See Gates, Ornamental Iron

4638— Fences (Railroad)

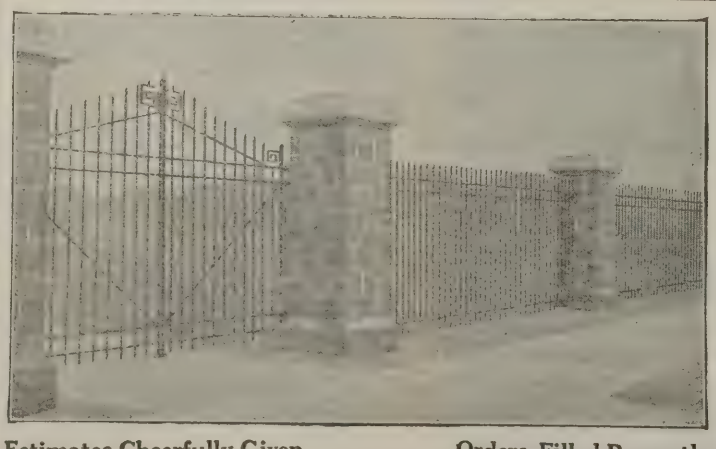
See also Fences, Woven Wire; also Wire Fences & Gates, with the word Ornamental Following Name; also Fences, Farm
Adrian Wire Fence Co., Adrian, Mich.
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Anchor Post Iron Works ("Anchor Post"), 50 Church, New York
See adv index at end of book
Bethlehem Fence Works, Bethlehem, Pa.
Bethlehem Steel Co., Bethlehem, Pa.
Carbo Steel Products Co., 2600 W 111th, Morgan Park Station, Chicago, Ill.
Chicago Steel Post Co., 209 N Michigan av, Chicago, Ill.
Cincinnati Iron Fence Co., 3312 Spring Grove av, Cincinnati, Ohio
See adv index at end of book
Crown Iron Works Co., 1229 Tyler, Minneapolis, Minn.
Cyclone Fence Co., Waukegan, Ill.
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Dinn P. J. & Co., 278 Dover, Boston, Mass.
Elliott & Reid Co., Richmond, Ind.
Fiske J. W. Iron Works, 111 Park pl, New York
KEYSTONE STEEL & WIRE CO. (The "Red Strand" Hog Field & Poultry Fence), Peoria, Ill.
Kitselman Bros. (Ornamental Lawn & Farm), Muncie, Ind.
Knapp Fence Co., 1152 E 134th, Cleveland, O.
Kokomo Steel & Wire Co., Kokomo, Ind.
Northwestern Barb Wire Co. ("Dillon"), Sterling, Ill.
Pittsburgh Steel Co. ("Columbia"), 5th av & Grant, Pittsburgh, Pa.
Red Top Steel Post Co., 38 S Dearborn, Chicago, Ill.
Scranton Iron & Steel Co., 1335 Capouse av, Scranton, Pa.
Shelby Wire Co., Dept. H, Shelby, O.
Smith F. P. Wire & Iron Works ("Supreme" Poultry & Rabbit, "Perfect" Garden, Lawn & Poultry), 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Standard Fence Co., Dept. H, 60th & Lowell, Oakland, Cal.
Up-to-Date Mfg. Co., Terre Haute, Ind.
Wickwire Spencer Steel Corp. (& Farm), 41 E 42nd, New York
See adv index at end of book
Youngstown Sheet & Tube Co. ("Youngstown"), Youngstown, O.

4639—Fences (Wood Picket, Wire Bound)

Stewart Iron Works Co., Inc., 238 Stewart blk, Cincinnati, Ohio
See adv index at end of book
Whitehurst R. W. Mfg. Corp., Norfolk, Va.

4640— Fences (Woven Wire)

See also Wire Fences & Gates; also Fences, Railroad & Farm
Adrian Wire Fence Co. ("Adrian"), Adrian, Mich.
AMERICAN STEEL & WIRE CO. ("Zinc Insulated," "American," "Anthony," "Ellwood," "Royal," "National" & "U. S." Fences), 208 S La Salle, Chicago, Ill. *See adv index at end of book*



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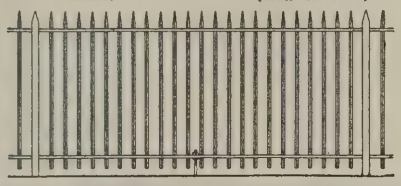
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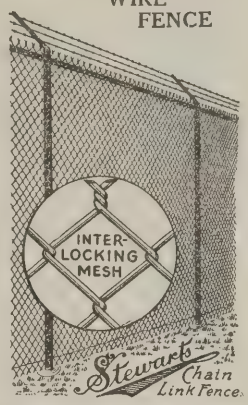
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Amos Chas. & Co., Inc., 3000 Hart av, Detroit, Mich.
ANCHOR POST IRON WORKS, 50 Church, New York *See adv index at end of book*
Arkansas Valley Fence Co., Wichita, Kans.
Atlantic Steel Co., Atlanta, Ga.
Bethlehem Fence Works, Bethlehem, Pa.
Bethlehem Shipbuilding Corp., Ltd., 20th & Michigan, San Francisco, Cal.
Bethlehem Steel Co., Bethlehem, Pa.
Brazil Machine & Foundry Co., Brazil, Ind.
Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y.
See adv index at end of book
Champion Iron & Wire Works, Omaha, Neb.
Crawfordsville Wire & Nail Co., Crawfordsville, Ind.
Crown Iron Works Co., 1229 Tyler, Minneapolis, Minn.
Cyclone Fence Co. ("Cyclone" Steel Spring), Waukegan, Ill.
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Dayton Steel Construction Co., Howell & Wilbur, Dayton, O.
Dinn P. J. & Co., 278 Dover, Boston, Mass.
Dwiggins Wire Fence Co. ("Victor"), Anderson, Ind.
Elliott & Reid Co. ("Royal," "Richmond," "Ideal"), Richmond, Ind.
Enterprise Iron Works, Indianapolis, Ind.
Eureka Fence Mfg. Co. ("Eureka"), Richmond, Ind.
Fiske J. W. Iron Works, 111 Park pl, New York
Frost Superior Fence Co. ("Superior in Quality"), E 131st, Cleveland, Ohio
Gulf States Steel Co., Birmingham, Ala.
Hohulin Bros. ("Diamond"), Goodfield, Ill.
Indiana Steel & Wire Co., Muncie, Ind.
Interlocking Fence Co. ("Crown" Interlocking), Morton, Ill.
Interstate Iron & Steel Co., 104 S Michigan av, Chicago, Ill.
Jackson Fence Co. ("Jackson"), Jackson, Mich.
Janesville Fence & Post Co., 326 S Franklin, Janesville, Wis.
Kansas City Wire & Iron Works, 1428 Oak, Kansas City, Mo.
KEYSTONE STEEL & WIRE CO., Peoria, Ill.
Knapp Fence Co., 1152 E 134th, Cleveland, O.
Kokomo Steel & Wire Co. ("Indiana," "Kokomo"), Kokomo, Ind.
Mason Fence Co. ("Champion"), Leesburg, Ohio
Michigan Wire Fence Co. ("Church"), Adrian, Mich.
New Haven Lbr. & Supply Co., New Haven, Ind.
NEW JERSEY WIRE CLOTH CO., Trenton, N. J. *See adv index at end of book*
NICHOLS GEORGE W. (Iron, Wire & Steel Products), Binnewater, N. Y.
Northwestern Barb Wire Co., Sterling, Ill.
Page Fence & Wire Products Ass'n., 215 N Michigan av, Chicago
Page Steel & Wire Co., Adrian, Mich.
Peerless Wire Fence Co. ("Peerless") Adrian, Mich.
Pennsylvania Woven Wire Co., Lockhaven, Pa.
Scranton Iron & Steel Co., 1335 Capouse av, Scranton, Pa.
Shelby Wire Co., Dept. T, Shelby, O.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Snow W. A. Iron Works (Inc.), 32 Portland, Boston, Mass
Spring Steel Fence & Wire Co. ("Shimer" "Perfect" Coil Spring), Anderson, Ind.
Standard Fence Co., 60th & Lowell, Oakland, Cal.
Tully C. H. Fence Co., Grand Island, Neb.
Tyler W. S. Co., Cleveland, O.
See adv index at end of book
Up-to-Date Mfg. Co., Terre Haute, Ind.
Wheeling Steel Corp., Wheeling, W. Va.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Wright G. F. Steel & Wire Co., 243 Stafford, Worcester, Mass.
Youngstown Sheet & Tube Co., Youngstown, Ohio

4640a— Fences (Wrought Iron)

Anchor Post Iron Works, 50 Church, New York *See adv index at end of book*
Bethlehem Fence Works, Bethlehem, Pa.
California Artistic Metal & Wire Co., 349 7th, San Francisco, Cal.
CINCINNATI IRON FENCE CO., 3312 Spring Grove av, Cincinnati, Ohio
See adv index at end of book
CROWN IRON WORKS CO., 1229 Tyler, Minneapolis, Minn.
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Fiske J. W. Iron Wks., 111 Park pl, New York
Page Steel & Wire Co., Adrian, Mich.
Scranton Iron & Steel Co., 1335 Capouse av, Scranton, Pa.
STEWART IRON WORKS CO., INC., 238 Stewart blk, Cincinnati, O.
See adv index at end of book
West Coast Wire & Iron Works, 861 Howard, San Francisco, Cal.

4641— Fencing (Factory)

Anchor Post Iron Works, 50 Church, New York *See adv index at end of book*
Cincinnati Iron Fence Co., 3312 Spring Grove av, Cincinnati, Ohio
See adv index at end of book
Crown Iron Works Co., 1229 Tyler, Minneapolis, Minn.
Cyclone Fence Co., Waukegan, Ill.
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Dinn P. J. & Co., 278 Dover, Boston, Mass.
Fiske J. W. Iron Works, 111 Park pl, New York
Knapp Fence Co., 152 E 134th, Cleveland, O.
Page Fence & Wire Products Ass'n., 215 N Michigan av, Chicago
Scranton Iron & Steel Co., 1335 Capouse av, Scranton, Pa.
Snow W. A. Iron Works, Inc., 32 Portland, Boston, Mass.
STEWART IRON WORKS CO., INC. (Iron & Wire), 238 Stewart blk, Cincinnati, O.
See adv index at end of book
Wickwire Spencer Steel Corp. ("Excelsior Chain Link," "Excelsior Rust Proof"), 41 E 42nd, New York
See adv index at end of book

4642— Fenders (Boat)

Armstrong Cork Co. (Yacht, etc.), 24th & A. V. R.R., Pittsburg, Pa.
Brauer Justus & Son (Cork), Jobbers, 108 Arch, Phila., Pa.
Kahnweiler's David Sons (Cork), 20 Dover, New York
Laughlin Thos. Co. (Diamond, Grommet, Yacht), 135 Fore, Portland, Me.
See adv index at end of book
Pneumatic Mfg. Co. (Canvas, Cork Filled, Netted Rope, Leather, Bow, etc), 123 Pacific, Brooklyn, N. Y.

4643—Fenders (Brass & Iron)

See also Andirons, Fenders & Grates
See also Fire Place Furnishings, Mfrs.
Colonial Fireplace Co., 4631 W 12th, Chicago, Ill.
Dufur & Co., 311 N Howard, Baltimore, Md.
JACKSON EDWIN A. & BRO., INC. (For Fireplaces), 50 Beekman, New York
See adv index at end of book
SMITH F. P. WIRE & IRON WORKS, 2340 Clybourn av, Chicago, Ill.
See adv index at end of book
West Coast Wire & Iron Works, 861 Howard, San Francisco, Cal.

4644— Fenders (Plow)

Southern Plow Co. ("R. R. Jones"), Columbus, Ga.

4645—Fenders & Guards (Automobile)

Auto Fender & Radiator Wks., 1140 Geary, San Francisco, Cal.
Auto Lamp & Radiator Co., 1614 Prospect, Cleveland, O.
Cadillac Plumbing & Heating Co., Cadillac, Mich.
Chicago Mfg. Co. ("Chicago"), 1464 S Michigan av, Chicago, Ill.
Clayton & Lambert Mfg. Co., 10565 Knodell av, Detroit, Mich.
Corcoran Mfg. Co., Foraker av & Norwood, Cincinnati, O.
Dann Bros. & Co., New Haven, Conn.
Dunham Thomas Co., Dept. H, Aurora, Ill.
Hayes Mfg. Co., 480 Maybury, Detroit, Mich.
Holan Metal Products Co. The, N 40th & Clark av, Cleveland, O.
Holzer R. G. (Estate of), 317 Burgundy, New Orleans, La.
Lima Sheet Metal Products Co. ("Limaco"), Lima, O.
Louisiana Metal Cabinet Works, 1919 Bienville, New Orleans, La.
Mullins Body Corp., 341 Franklin, Salem, Ohio
Parish Mfg. Co. (Truck), Reading, Pa.
Pettis W. W. Co., 416 First Nat'l Bank bldg, Cincinnati, O.
Quinby J. M. & Co., 27 Division, Newark, N. J.
Saginaw Sheet Metal Works, Saginaw, Mich.
Smith H. Lund, Paterson, N. J.
Standard Sheet Metal Mfg. Co., Washington, Pa.
York Corrugating Co., York, Pa.

4645a— *Ferries (Wire Rope)

ROEBLING'S JOHN A. SONS CO. Main Office: Trenton, N. J., Works: Trenton & Roebling, N. J.
See adv index at end of book

4646— Ferro-Alloys

Amalgamated Metals Selling Co., Ltd., 120 E. 16th, New York
American Alloys Co., American bldg, Baltimore, Md.
Brooks Clyde (Mfrs. Agent), Farmers Bank bldg, Pittsburgh, Pa.
Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
Cleveland Cliffs Iron Co., Rockefeller bldg, Cleveland, Ohio
Crocker Bros. (Imported English), 21 E 40th, New York
Doggett Stanley (Imp), 11 Cliff, New York
ELECTRO METALLURGICAL SALES CORP., Carbide and Carbon bldg, New York
Foote Mineral Co., 109 N 19th, Phila., Pa.
Foundry Manganese Co., Harrison bldg, Phila., Pa.
Heyward Thos. R. Co., Farmers Bank bldg, Pittsburgh, Pa.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Lavino E. J. & Co., H, Bullitt bldg, Phila., Pa.
Leavitt C. W. & Co., 34 Church, New York
See adv index at end of book
Metal & Thermit Corp., 120 B'way, New York
Midvale Mining & Mfg. Co. (Pulverized), Central Nat Bank bldg, St. Louis, Mo.

(Continued on following page)

Ferro-Alloys—Continued

Naylor & Co. (Dlrs.), 120 B'way, New York
Noble Electric Steel Co., Mills bldg, San Francisco, Cal.
Park & Williams Inc., Real Estate Tr. bldg, Phila., Pa.
Pioneer Alloy Products Co., Inc., 16601 Euclid av, Cleveland, O.
Samuel Frank & Co., Harrison bldg, Phila., Pa. *See adv index at end of book*
Shawinigan Products Corp., 110 William, New York
Shimer & Co., Inc., Bullitt bldg, Phila., Pa.
Southern Ferro Alloys Co., Chestnut st, Chattanooga, Tenn.
Southern Manganese Co., Anniston, Ala.
Tennant C. Sons & Co. of N. Y. (Importers), 19 W 44th, New York
Titanium Alloy Mfg. Co., Niagara Falls, N. Y.
U. S. Ferro-Alloys Corpn., 30 E 42d, New York
Vanadium Corp. of Am., 120 Broadway, New York

4647-8— Ferro-Aluminum

Amalgamated Metals Selling Co., Ltd., 120 E. 16th, New York
Electric Smelting & Aluminum Co., Lockport, N. Y.

4648a— Ferro-Carbon Titanium

Titanium Alloy Mfg. Co., Niagara Falls, N. Y.

4648b— Ferro-Cerium

New Process Metal Co., 46-50 Center, Newark, N. J.

4649— Ferro-Chrome

Baltimore Electro Alloys Co., H, Lexington bldg, Baltimore, Md.
Doggett Stanley (Imp), 11 Cliff, New York
ELECTRO METALLURGICAL SALES CORP. (High & Low Carbon), Carbide and Carbon bldg, New York
Foote Mineral Co., 109 N 19th, Phila., Pa.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Lavino E. J. & Co. (Lump & Ground), Bullitt bldg, Phila., Pa.
Leavitt C. W. & Co., 34 Church, New York *See adv index at end of book*
Metal & Thermit Corp., 120 B'way, New York
SAMUEL FRANK & CO., Harrison bldg, Phila., Pa. *See adv index at end of book*
Shimer & Co., Inc., Bullitt bldg, Phila., Pa.
Tennant C. Sons & Co. of N. Y. (Importers), 19 W. 44th, New York
United States Ferro Alloys Corp., 41 E 42nd, New York

4650— Ferro-Magnesium

Aluminum Company of America (Dlrs.), 2301 Oliver bldg, Pittsburgh, Pa. *See adv index at end of book*
American Magnesium Corp'n, Niagara Falls, N. Y.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.

4651-2— Ferro-Manganese

American Alloys Co., American bldg, Baltimore, Md.
American Manganese Mfg. Co., Bullitt bldg, Phila., Pa.
American Trading Co., 25 Broad, New York
Baltimore Electro Alloys Co., H, Lexington bldg, Baltimore, Md.
Beckman & Linden Engng. Corp., Balboa bldg, San Francisco, Cal.
Bethlehem Steel Co., Bethlehem, Pa.
Bond Vivian & Co. (Jobbers), 68 Beaver, New York
Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
Colorado Fuel & Iron Co., Denver, Col.
Crocker Bros. (Imported English), 21 E 40th, New York
Doggett Stanley (Imp), 11 Cliff, New York
Electric Smelting & Aluminum Co., Lockport, N Y.
ELECTRO METALLURGICAL SALES CORP. (Low Carbon), Carbide and Carbon bldg, New York
Foundry Manganese Co., Harrison bldg, Phila., Pa.
Hamilton Co. (English), 50 Church, New York
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Lavino E. J. & Co. (Lump, Ground & Low Carbon), Bullitt bldg, Phila., Pa.
Leavitt C. W. & Co., 34 Church, New York *See adv index at end of book*

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Mohr J. J. & Son, Bullitt bldg, Phila., Pa.
Noble Electric Steel Co., Mills bldg, San Francisco, Cal.
Rogers Brown & Co. (Imported & Domestic), 77-78 Carew bldg, Cincinnati, O.
Samuel Frank & Co., Harrison bldg, Phila., Pa. *See adv index at end of book*

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Shawinigan Electro Products Co., 20th and Clearfield, Baltimore, Md.
Shawinigan Products Corp. (Ferro Silicon), 110 William, New York
Shimer & Co., Inc., Bullitt bldg, Phila., Pa.
Southern Ferro Alloys Co., Chestnut, Chattanooga, Tenn.
Southern Manganese Co., Anniston, Ala.
Tennant C. Sons & Co. of N. Y. (Importers), 19 W 44th, New York
U. S. Ferro Alloys Corp., 41 E 42nd, New York
Woodison E. J. Co., 1621 St. Aubin, Detroit, Mich.

4653— Ferro-Molybdenum

Federal Tungsten Co., 621 Alabama av, Washington, D. C.
Foote Mineral Co., 109 N 19th, Phila., Pa.
Foundry Manganese Co., Harrison bldg, Phila., Pa.
Hardy Chas. Inc. (Broker), 1 Pershing sq, New York
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Lavino E. J. & Co., Bullitt bldg, Phila., Pa.
Leavitt C. W. & Co., 34H Church, New York *See adv index at end of book*
Metal & Thermit Corp., 120 B'way, New York
Mineral Products Mfg. Co., Wilmington, Del.
Philipp Bros., Inc., 233 B'way, New York
Poldi Steel Corp. of Am., 115 B'way, New York
Samuel Frank & Co., Harrison bldg, Phila., Pa. *See adv index at end of book*
Shimer & Co., Inc., Bullitt bldg, Phila., Pa.
United Alloy Steel Corp. ("Moly" Open Hearth & Electric Furnace), Canton, O.
Vanadium Corp. of Am., 120 Broadway, New York
York Ferro Alloys Co., York, Pa.
York Metal & Alloy Co. (Mo. Metal, Acids & Salts), York, Pa.

4653a— Ferro-Nickel

Electrical Alloy Co. (Wire & Ribbon), Morristown, N. J.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Vanadium Corp. of Am., Equitable bldg, New York

4654— Ferro-Phosphorus

Foundry Manganese Co., Harrison bldg, Phila., Pa.
Gray J. J. Jr., Rockdale, Tenn.
Hickman Williams & Co. (Ground), 814 First National Bank bldg, Cincinnati, O.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Lavino E. J. & Co., Bullitt bldg, Phila., Pa.
Leavitt C. W. & Co., 34 Church, New York *See adv index at end of book*
Samuel Frank & Co., Harrison bldg, Phila., Pa. *See adv index at end of book*
Shimer & Co., Inc., Bullitt bldg, Phila., Pa.

4655— Ferro-Silicon

American Lava Corp., Chattanooga, Tenn.
Am. Rolling Mill Co. (Bessemer-Ferro Silicon Only), Middletown, Ohio
Am. Trading Co., 25 Broad, New York
Carborundum Co., Niagara Falls, N. Y.
ELECTRO METALLURGICAL SALES CORP. (15%, 50%, 75%, 90%), Carbine and Carbon bldg, New York
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Lavino E. J. & Co., Bullitt bd, Phila., Pa.
Leavitt C. W. & Co., 34 Church, New York *See adv index at end of book*
Midvale Mining & Mfg. Co. (Pulverized), Central Natl Bank bldg, St. Louis, Mo.
Pittsburgh Metallurgical Co. (Bessemer), Niagara Falls, N. Y.
Samuel Frank & Co., Harrison bldg, *See adv index at end of book*
Shawinigan Electro Products Co., 20th and Clearfield, Baltimore, Md.
Southern Ferro Alloys Co. ("Soferalco," 50-80 per cent), Chestnut, Chattanooga, Tenn.
U. S. Ferro Alloys Corp., 41 E 42nd, New York

4656— Ferro-Titanium

Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Lavino E. J. & Co., H, Bullitt bldg, Phila., Pa.
METAL & THERMIT CORP., 120 B'way, New York
Shimer & Co. Inc., Bullitt bldg, Phila., Pa.
Titanium Alloy Mfg. Co., Niagara Falls, N. Y.

4657— Ferro-Tungsten

Federal Tungsten Co., 621 Alabama av, Washington, D. C.
Foote Mineral Co., 109 N 19th, Phila., Pa.
Foundry Manganese Co., Harrison bldg, Phila. Pa.
Hardy Chas., Inc. (Broker), Park Row bldg, New York
Independent Lamp & Wire Co., 1733 B'way, New York
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Lavino E. J. & Co., Bullitt bldg, Phila., Pa.
Leavitt C. W. & Co., 34 Church, New York *See adv index at end of book*
Metal & Thermit Corp., 120 B'way, New York
Mineral Products Mfg. Co., Wilmington, Del.
Philipp Bros., Inc., 233 B'way, New York
Pick Richard, 224 N 5th, Chicago, Ill.
Samuel Frank & Co., Harrison bldg, Phila., Pa. *See adv index at end of book*
Shimer & Co., Inc., Bullitt bldg, Phila., Pa.
Tennant C. Sons & Co. of N. Y. (Importers), 19 W. 44th, New York
Vanadium-Alloys Steel Co. ("Vasco"), Latrobe, Pa.
Vanadium Corp. of Am., 120 Broadway, New York
Virginia Electrolytic Co., 99 Cedar, New York
York Ferro Alloys Co., York, Pa.
York Metal & Alloy Co. (Tungsten Metal, Acids & Salts), York, Pa.

4658— Ferro-Uranium

Foote Mineral Co., 109 N 19th, Phila., Pa.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Standard Alloys Co., Vanadium bldg, Pittsburgh, Pa.
Standard Chemical Co., Vanadium bldg, Pittsburgh, Pa.

4659— Ferro-Vanadium

American Vanadium Co., Pittsburgh, Pa.
Earle E. P., 165 B'way, New York
Foote Mineral Co., 109 19th, Phila., Pa.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Lavino E. J. & Co., H, Bullitt bldg, Phila., Pa.
Metal & Thermit Corp., 120 B'way, New York
Philipp Bros., Inc., 233 B'way, New York
Primos Chemical Co., Primos, Pa.
Radium Luminous Matl. Corp., 30 Church, New York
Shimer & Co., Inc., Bullitt bldg, Phila., Pa.
Standard Alloys Co., Vanadium bldg, Pittsburgh, Pa.
Standard Chemical Co., Vanadium bldg, Pittsburgh, Pa.
York Ferro Alloys Co., York, Pa.
YORK METAL & ALLOY CO., York, Pa.

4659a— Ferro-Zirconium

ELECTRO METALLURGICAL SALES CORP., Carbide and Carbon bldg, New York *See adv index at end of book*

4660— Ferrous Sulphate

Calumet Steel Co., 208 S La Salle, Chicago, Ill.
Hachmeister-Lind Chem. Co., Pittsburgh, Pa.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio *See adv index at end of book*

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Stanley Works, New Britain, Conn.
See adv index at end of book
Wiards John C. Co., 273 Greene, Bklyn, N. Y.

4661— Ferrules (Boiler Flue)

Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Waterbury Brass Goods Corp., Waterbury, Conn.

4662-3— Ferrules (Brass)

American Brass & Copper Co., 138 Lafayette, New York
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Pin Co. ("Ampinco"), Waterbury, Conn.
American Ring Co., Waterbury, Conn.
Athol Pump Co. (For Plumbing), Athol, Mass.
BAY STATE STAMPING CO., 380 Chandler, Worcester, Mass.
See adv index at end of book
Beehler Steel Products Co., 1447 N 13th, St. Louis, Mo.
Blake Specialty Co., Rock Island, Ill.
Bridgeport Brass Co., Dept. H, E. Main, Bridgeport, Conn.
Brunswick Mfg. Co. (Plain & Nickel Plated), Brunswick, Me.
CAHILL M. F. ("Cahill" Seamless Chisel, Cutlery, File & Knife), 710 E 2d, Boston, Mass. *See adv index at end of book*
Cochran Co., 1638 Long Beach av, Los Angeles, Cal.
Cooper Sanitary Mfg. Co., 34th & Chestnut, Phila., Pa.
Empire Elec. & Mfg. Co., Plainville, Conn.
Estes E. B. & Sons (Small), 364 5th av, New York *See adv index at end of book*
Fisher Specialty Co. (Jobbers), 326 Ogden av, Milwaukee, Wis.
Franklin Brass Foundry (Plumbers), 100 Young, Long Island City, N. Y.
Gaynor Mfg. Co., Bridgeport, Conn.
Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, O.
Green C. E. & Son, 95 Passaic, Newark, N. J.
Hampden Brass Co., 262 Liberty, Springfield, Mass.
Hays Mfg. Co. (Also Trap Screw), Erie, Pa
See adv index at end of book
Hill-Smith Metal Goods Co., 102 Brookline av, Boston, Mass.
Hoffmann & Billings Mfg. Co., 100 2nd, Milwaukee, Wis.
Hungerford U. T. Brass & Copper Co. (Condenser Tube Chisel Handle Plumbers', etc), 80 Lafayette, New York
McShane Bell Foundry Co. (For Plumbing), Harford av & B & O R R, Baltimore, Md.
Massachusetts Machine Shop Inc., 817 Albany, Boston, Mass.
See adv index at end of book
Modern Iron Works (Trap Screw), Quincy, Ill.
Mt. Carmel Mfg. Co. (For Plumbing Work), Dept. H, Mt. Carmel, Conn.
Mueller H. Mfg. Co. (Plumbing), Decatur, Ill.
See adv index at end of book
Novelty Mfg. Co. (Small), Waterbury, Conn.
Peck Bros. & Co., New Haven, Conn.
Prier Brass Mfg. Co., 15th and Blue River, Kansas City, Mo.
Randolph-Clowes Co., Waterbury, Conn.
Russell J. M. Mfg. Co., Naugatuck, Conn.
Schrader's A. Son Inc. (Plain or Nickel Plated Hose), 470 Vanderbilt av, Brooklyn, N. Y.
Scovill Mfg. Co. (For General Purposes, To Order Only), Waterbury, Conn.
See adv index at end of book
Starbuck R. M. & Sons (Plumbers), Hartford, Conn.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Union Brass & Metal Mfg. Co., Lawson & Mackubin, St. Paul, Minn.
Union Hardware Co., Torrington, Conn.
United States Hdwe. & Mfg. Co. (Plumbers' Cast Brass), 16H Warren av, Pawtucket, R. I.
Waterbury Brass Goods Corp., Waterbury, Conn.
Waterbury Button Corporation (& Steel), 831 S Main, Waterbury, Conn.
See adv index at end of book
Waterbury Mfg. Co., Division Chase Companies, Inc., Waterbury, Conn.
Watts Regulator Co. ("Watts"), Lawrence, Mass.
Western Cartridge Co., East Alton, Ill.
Wheeler Condenser & Engng. Co. ("Crescent Brand"), W. Carteret, N. J.
Zeigler Mfg. Co., Alexandria, Ind.

4663—Ferrules (Cane & Umbrella)

Graham & Berwin, 451 Greenwich, New York
Novelty Mfg. Co., Waterbury, Conn.
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
See adv index at end of book
Waterbury Mfg. Co., Division Chase Companies, Inc., Waterbury, Conn.

4663a—Ferrules (Chisel)

BAY STATE STAMPING CO., 380 Chandler, Worcester, Mass.
See adv index at end of book
CAHILL M. F. ("Cahill"), 710 E 2d, Boston, Mass. *See adv index at end of book*
Scovill Mfg. Co., Waterbury, Conn.
See adv index at end of book
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book

4664— Ferrules (Cleanout)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
HAYS MFG. CO., Erie, Pa.
See adv index at end of book
McDonald A. Y. Mfg. Co., Dubuque, Ia.
Peck Bros. & Co. ("Garvie" Patent), New Haven, Conn.
Prier Brass Mfg. Co., 15th and Blue River, Kansas City, Mo.

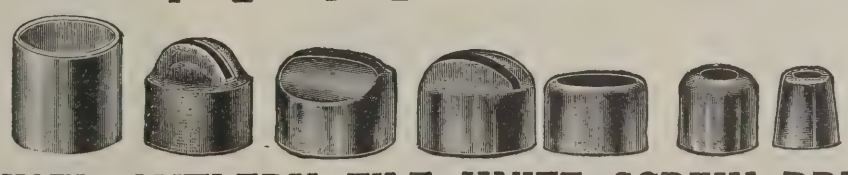
4665— Ferrules (Condenser)

Bridgeport Brass Co., Dept. H, E. Main, Bridgeport, Conn.
Continental Fibre Co., Newark, Del.
Delaware Hard Fibre Co. (Hard Fibre), Wilmington, Del.
See adv index at end of book
Eagle Brass Foundry Co., Seattle, Wash.
Estes E. B. & Sons (Wood), 364 5th av, New York *See adv index at end of book*
Everitt Co., 267 Franklin, Boston, Mass.
See adv index at end of book
Fansteel Products Co., Inc., No. Chicago, Ill.
Johnson-Peter Co. (Tube), Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
National Brass & Copper Tube Co. Inc., 639 Mission, San Francisco, Cal.
Standard Fibre Co., Miller st, Somerville, Mass.

(Continued on following page)

FERRULES

BRASS STEEL COPPER TIN



CHISEL, CUTLERY, FILE, KNIFE, SCREW DRIVER

M. F. CAHILL, Manufacturer

710 EAST SECOND STREET BOSTON, MASS.

Ferrules (Condenser)—Continued

Waterbury Brass Goods Corp., Waterbury, Conn.
Wheeler Condenser & Engng. Co. ("Wheeler and Crescent Brand"), W. Carteret, N. J.

4666—Ferrules (Condenser, Hard Fibre)

BRANDYWINE FIBRE PRODUCTS CO., E Wilmington, Del.
See adv index at end of book
DELAWARE HARD FIBRE CO., Wilmington, Del. Works: Marshallton, Del. *See adv index at end of book*
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
Wilmington Fibre Specialty Co., Wilmington, Del.

4667— Ferrules (Copper)

Bridgeport Brass Co., Dept. H, E. Main, Bridgeport, Conn.
Brunswick Mfg. Co. (Plain & Nickel Plated), Brunswick, Me.
Drens Oscar Copper & Brass Works, 612 Bryant, San Francisco, Cal.
Empire Elec. & Mfg. Co., Plainville, Conn.
Everitt Co. (Seamless), 267 Franklin, Boston, Mass. *See adv index at end of book*
Gilbert Walter B. & Co. (Annealed & Seamless), York, Pa.
Hungerford U. T. Brass & Copper Co. (Boiler Flue), 80 Lafayette, New York
Hussey C. G. & Co., 2850 2nd av, Pittsburgh, Pa.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Merchant & Evans Co. (Seamless), 2035 Washington av & 21st, Phila., Pa.
Mutual Electric & Machine Co., 232 Fort, W Detroit, Mich.
Prier Brass Mfg. Co., 15th and Blue River, Kansas City, Mo.
Rome Mfg. Co., Inc. ("Rome" Locomotive Tube), Rome, N. Y.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Scully Steel & Iron Co., 1127 Continental Bk. bldg, Chicago, Ill.
Waterbury Brass Goods Corp., Waterbury, Conn.
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
See adv index at end of book
Zeigler Mfg. Co., Alexandria, Ind.

4667a— Ferrules (Cutlery)

Bay State Stamping Co., 380 Chandler, Worcester, Mass.
See adv index at end of book
CAHILL M. F. ("Cahill"), 710 E 2d, Boston, Mass. *See adv index at end of book*
Massachusetts Machine Shop Inc., 817 Albany, Boston, Mass.
See adv index at end of book
Merchants & Manufacturers Supply Co., Chelsea, Mass.

4667b— Ferrules (Drive)

Illinois Malleable Iron Co., 1801 Diversey blvd, Chicago, Ill.
See adv index at end of book

Ferrules (Fibre)

See Fibre, Hard; also Ferrules, Condenser; Hard Fibre

4667c— Ferrules (File)

Bay State Stamping Co., 380 Chandler, Worcester, Mass.
See adv index at end of book
CAHILL M. F. ("Cahill"), 710 E 2d, Boston, Mass. *See adv index at end of book*
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
See adv index at end of book

4667d— Ferrules (Handle)

Brandywine Fibre Products Co. (Vulcanized Fibre Tubing), E Wilmington, Del.
See adv index at end of book
CAHILL M. F. ("Cahill"), 710 E 2d, Boston, Mass. *See adv index at end of book*
Chicago Ferrule & Nut Co., 880 Lill av, Chicago, Ill.
Massachusets Machine Shop, Inc., 817 Albany, Boston, Mass.
See adv index at end of book

Steel, Brass *and* Copper
FERRULES
Made on contract to specifications
Massachusetts Machine Shop, Inc.
817 Albany St., Boston, Massachusetts

Scovill Mfg. Co. (Tool), Waterbury, Conn.
See adv index at end of book
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Waterbury Button Corporation (Tool), 831 S Main, Waterbury, Conn.
See adv index at end of book

4668—Ferrules (Iron & Steel)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Tube & Stamping Co. (Steel), Dept. H, 471 Hancock, Bridgeport, Conn.
Athol Pump Co. (Soil Pipe Union), Athol, Mass.
BAY STATE STAMPING CO. (Steel), 380 Chandler, Worcester, Mass.
See adv index at end of book
Beehler Steel Products Co., 1447 N 13th, St. Louis, Mo.
See adv index at end of book
Blake Specialty Co. (Iron), Rock Island, Ill.
Boston Pressed Metal Co. (Special to order only), 170 Union, Worcester, Mass.
Brunswick Mfg. Co. (Plain & Nickel Plated), Brunswick, Me.
CAHILL M. F. ("Cahill" Steel, Chisel, Cutlery, File & Knife), 710 E 2d, Boston, Mass. *See adv index at end of book*
Cassady Fairbank Mfg. Co. (Nickel Plated Steel), 6126 S La Salle, Chicago, Ill.
Cochran Co., 1638 Long Beach av, Los Angeles, Cal.
Disston Henry & Sons Inc., Tacony, Phila., Pa.
DuBois F. M. & Co., 247 9th av, New York
Empire Elec. & Mfg. Co., Plainville, Conn.
Greenwood Mfg. Co. (Feather Edge Drive Iron), 5140H Hamilton, Detroit, Mich.
Hill-Smith Metal Goods Co., 102 Brookline av, Boston, Mass.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Lindholm Metal Stamping Co., 107 Erie, Camden, N. J.
Lothrop F. B. Co. (Steel), South Acton, Mass.
Massachusetts Machine Shop Inc., 817 Albany, Boston, Mass.
Sanitary Co. (Drive and Soil Pipe), Dept. H, Linfield, Pa.
Stowell Co., The (Whiffletree), So. Milwaukee, Wis.
Union Fork & Hoe Co. (Steel Only), Columbus, O.
Union Hardware Co., Torrington, Conn.
Waterbury Button Corp., 831 South Main, Waterbury, Conn.
See adv index at end of book
Wilcox, Crittenden & Co. Inc. (Galvanized Malleable Only), 444 S Main, Middletown, Conn.
See adv index at end of book
Woodell E. & Sons, Taunton, Mass.
Zeigler Mfg. Co., Alexandria, Ind.

4668a— Ferrules (Knife)

BAY STATE STAMPING CO., 380 Chandler, Worcester, Mass.
See adv index at end of book
CAHILL M. F. ("Cahill"), 710 E 2d, Boston, Mass. *See adv index at end of book*
Waterbury Button Corp., 831 South Main, Waterbury, Conn.
See adv index at end of book

4669— Ferrules (Lead)

See also Lead Traps, Bends & Ferrules
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Cooper Sanitary Mfg. Co., 34th & Chestnut, Phila., Pa.
DuBois F. M. & Co., 247 9th av, New York
Eagle Picker Lead Co., The, 208 S La Salle, Chicago, Ill.
National Lead Co., 111 B'way, New York
Northwest Lead Co. ("Bunker-Hill"), 1744 4th, Seattle, Wash.
Raymond Lead Works ("Raymond's" Combination), 735 S Washtenaw av, Chicago, Ill.
Standard Sanitary Mfg. Co., H Bessemer bldg, Pittsburgh, Pa.
United Lead Co., 100 E. 42nd, New York
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.

4669a—Ferrules (Screw Driver)

Bay State Stamping Co., 380 Chandler, Worcester, Mass.
See adv index at end of book
CAHILL M. F. ("Cahill"), 710 E 2d, Boston, Mass. *See adv index at end of book*
Massachusetts Machine Shop Inc., 817 Albany, Boston, Mass.
See adv index at end of book
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
See adv index at end of book

4670—Ferrules (Tin & Sheet Metal)

BAY STATE STAMPING CO., 380 Chandler, Worcester, Mass.
See adv index at end of book
Beehler Steel Products Co., 1447 N 13th, St. Louis, Mo.
See adv index at end of book
Boston Pressed Metal Co. (Sheet Metal, to order only), 170 Union, Worcester, Mass.
CAHILL M. F. ("Cahill"), 710 E 2d, Boston, Mass. *See adv index at end of book*
Consolidated Fruit Jar Co. (Sheet Metal), New Brunswick, N. J
Empire Elec. & Mfg. Co. (Sheet Metal), Plainville, Conn.
Massachusetts Machine Shop Inc., 817 Albany, Boston, Mass.
See adv index at end of book
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Textile Shields Co. (For Bobbins), 250 Lowell, Lawrence, Mass.
Troy Stamping Works, Troy, N. Y.
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
See adv index at end of book
Zeigler Mfg. Co., Alexandria, Ind.

4671— Ferrules (Trap Screw)

American Fdry. & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Bignall Co., Mednia, N. Y.
Casey-Hedges Co., Chattanooga, Tenn.
Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, O.
Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
See adv index at end of book
Kupferle Jno. C. Fdry. Co., 1st & Wright, St. Louis, Mo.
McCambridge Co., 315 N 20th, Phila., Pa.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
Modern Iron Works (Brass), Quincy, Ill.
Mueller H. Mfg. Co., Decatur, Ill.
See adv index at end of book
Newbury Mfg. Co., Monroe, N. Y.
Peck Bros & Co., New Haven, Conn.
Prier Brass Mfg. Co., 15th and Blue River, Kansas City, Mo.
Rockford Brass Works, Rockford, Ill.
Sanitary Co. (Iron Body), Dept. H, Linfield, Pa.
Swett A. L. Iron Works, Medina, N. Y.
Union Brass & Metal Mfg. Co., Lawson & Mackubin, St. Paul, Minn.

4671a—Ferrules (Tool Handle, Etc.)

GRAMMES L. F. & SONS, 311 Union, Allentown, Pa.
See adv index at end of book

4672— Ferrules (Wire)

Green C. E. & Son, 95 Passaic, Newark, N. J.
Lothrop F. B. Co., South Acton, Mass.
Roeblings John & Sons Co., Trenton, N. J.
See adv index at end of book
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
See adv index at end of book
Washburn Co. (Wire Goods Div.), 28 Union, Worcester, Mass.

4673— Fertilizer Materials

Baker, H. J. & Bros. Imp., 81 Fulton, New York
Johnson W. S., Atlanta, Ga.
Superior Fdry. Co., Dept. H, E 71st & W. & L. E. Ry., Cleveland, O.

4674— Fertilizer Mfrs.

For firms who manufacture materials, supplies and equipment related to this trade, see classification descriptive of the article required

ALABAMA.

ALBERTVILLE—Butler Cotton Oil Co.
ALEXANDER CITY—Tallapoosa Chemical Co.
ALICEVILLE—Aliceville Oil & Mfg. Co.
ANDALUSIA—Andalusia Fertilizer Co.
ANNISTON—Anniston Fertilizer Co.
ASHLAND—Ashland Oil Mill & Fertilizer Co.
BAY MINETTE—Peoples' Fertilizer Co.
BIRMINGHAM—Birmingham Fertilizer Co.
Butler-Kyser Oil Mfg. Co.
Grasselli Chemical Co., B-M bldg
Jefferson Fertilizer Co.
BREWTON—Robbins & McGowin Co.
BRUNDIDGE—Brundidge Fertilizer Co.
CAMDEN—Camden Cotton Oil Co.
CAMP HILL—Graves-Smith Co.
CLIO—Arnold W. A.
CULLMAN—Cullman Fertilizer Co.
Union Fertilizer Co.
DADEVILLE—Dadeville Cotton Oil Co.
DECATUR—Decatur Fertilizer Co.
DOTHAN—Dothan Guano Co.
Grasselli Chemical Co.
Home Guano Co.
Houston Cotton & Fertilizer Co.
Houston Guano Co.
ENTERPRISE—Enterprise Fertilizer Wks
Sessions H. M. & Sons
EUFAULA—Edmonson R. Q. & Bro.
Reeves-Shorter Co.
EUTAW—Planters Warehouse & Commission Co.
FAYETTE—Sipsey Valley Oil & Fertilizer Works
FOLEY—Foley Fertilizer Co.
GADSDEN—Gadsden Fertilizer & Gin Co.

GRASSELLI—Grasselli Chemical Co.
GREENVILLE—Purity Fertilizer Co.
HALEYVILLE—Haleyville Oil & Fertilizer Co.
HEADLAND—Headland Fertilizer Works
Home Fertilizer & Cotton Oil Co.
HUNTSVILLE—Farmers' Cotton Oil & Fertilizer Co.
Huntsville Warehouse Co.
JAMES—James Fertilizer Co.
LAFAYETTE—Lafayette Cotton Oil Mills
LINEVILLE—Clay County Oil Mill & Fertilizer Co.
LUVERNE—Luverne Oil Mills
MARION—Union Storage Co.
MOBILE—McMillan & Harrison.
Virginia-Carolina Chemical Co.
MONTGOMERY—Alabama Chemical Co
American Agricultural Chemical Co.
Capital Fertilizer Co.
International Agricultural Corp.
Morris Fertilizer Co.
Mutual Warehouse Co.
Rainbow Guano Co.
Royster F. S. Guano Co.
Southern Cotton Oil Co.
Union Seed & Fertilizer Co.
Virginia-Carolina Chemical Co.
NORTHPORT—Warrior Fertilizer Co.
OPELIKA—Alabama Oil & Guano Co.
Opelika Oil Mill Corp.
ROANOKE—Roanoke Guano Co.
SEALE—Seale Fertilizer Co.
SELMA—Grasselli Chemical Co.
Jefferson Fertilizer Co.
Selma Oil & Ice Co.
SPRING VALLEY—Mitchell J. D.
SULLIGENT—Sulligent Cotton Oil Co.
SYLACAUGA—Sylacauga Fertilizer Co.
TALLADEGA—Planters' Chemical & Oil Co.
Talladega Fertilizer & Mfg. Co.
TROY—Farmers Co-operative Warehouse & Gin Co.
Standard Chemical & Oil Co.
Wiley Fertilizer Co.
TUSCALOOSA—Tuscaloosa Cotton Seed Oil Co.
TUSCUMBIA—Colbert County Oil & Fertilizer Co.
UNION SPRINGS—Southern Cotton Oil Co
Union Springs Guano Co.
WETUMPKA—Coosa River Fertilizer Co

ARKANSAS.

ARGENTA—Union Seed & Fertilizer Co.
CONWAY—Conway Cotton Oil & Gin Co.
ELDORADO—Eldorado Oil Mill & Fertilizer Co.
HOPE—Hope Fertilizer Co.
HOT SPRINGS—Hot Springs Sanitary Fertilizer Co.
LITTLE ROCK—Arkansas Fertilizer Co.
Southern Cotton Oil Co.
MAGNOLIA—Columbia Cotton Oil Co.
MONTICELLO—Drew Oil Mills
NEWPORT—Southern Cotton Oil Co.
WARREN—Warren Cotton Oil & Mfg. Co.

CALIFORNIA.

EMERYVILLE—California Feritilizer Wks
FRESNO—Twining Laboratories (Nitrogen Bacteria), 2146 Merced
LOS ANGELES—Agricultural Chemical Works, 901 Macy
American Agricultural Chemical Co., 6300 S Alameda
California Cotton Oil Co. ("Calico" Brand), 2301 E 52d
Chapman Fertilizer Co., Central bldg
Germain Seed & Plant Co., 560 S Main
Globe Cotton Oil Mills, 907 E 3d
Hauser Packing Co., 2300 E 9th
Los Angeles Fertilizer Co., 2643 E Edwin
Nitrate Fertilizer Co. Inc., 754 S Maple av
Pacific Wood & Coal Co., 730 W Pico
Southern California Fertilizer Co., Kerckhoff bldg
Standard Fertilizer Co., 2300 N 9th
Union Fertilizer Co., Calif. bldg
REDLANDS—Redlands Fruit Association
SACRAMENTO—Lewis Tom
SAN DIEGO—Pacific Wood & Coal Co.
SAN FRANCISCO—Agricultural Lime & Compost Co., 485 California
California Fertilizer Co. Works., 1332 Evans av
California Sea Products Co., Russ bldg
Fertilizer Products Syndicate ("Fertilore" Soil Stimulant), Call bldg
Forbes Chemical Co. ("Vivene" Liquid), 43 St. Anne
Mountain Copper Co., Ltd., 332 Pine
Pacific Bone Coal & Fertilizing Co., 485 California
Pacific Guano & Fertilizer Co. ("Gaviota"), 215 Market
Pacific Manure & Fertilizer Co., 429 Davis
Stauffer Chemical Co. ("Toro"), 624 California
Union Superphosphate Co., 343 Sansome
Western Reduction Co., 1501 Evans
SAN JOSE—Bernal-Marl Fertilizer Co.
SANTA CRUZ—Pacific Limestone Products Co. ("Kal Kar Brand")
STOCKTON—Growers Fertilizer Co., 44 E Weber

CONNECTICUT.

BERLIN—Connecticut Valley Orchard Co.
BRIDGEPORT—Berkshire Fertilizer Co., 92 Howard av
Chittenden E. D. Co., 1115 Main
GROTON—Shay C. M. Fertilizer Co.
HARTFORD—Olds & Whipple, 166 State
MIDDLETOWN—Boardman F. E.
Rogers & Hubbard Co.
MYSTIC—Wilcox Fertilizer Co.
NEW HAVEN—Frisbie L. T. Co., Allingtown
Platt Frank S. Co., 450 State
Sanderson Fertilizer & Chemical Co., 2 Wood, W. H.
NORWICH—Eldridge T. H.
ORANGE—Woodruff S. D. & Sons
ROCKFALL—Rogers Mfg. Co.
SOUTH LYME—Niantic Menhaden Oil & Guano Co.
STONINGTON—Wheeler A. G. & F.
THOMPSONVILLE—Phelps Geo. S. & Co.
WARRENVILLE—James E. L.
WILLIMANTIC—Bugbee H. R.
WINSTED—Manchester E. & Sons
WOLCOTT—MacCormack W.

DELAWARE.

DOVER—Delaware Fertilizer Co.
FREDERICA—Rogers L. C.
MILFORD—Draper, Davis Co.
Pierce Geo. F.
MILTON—Milton Fertilizer Co.
SEAFORD—Huston, Darbee & Co.
Woolley A. S. Co.
SMYRNA—Price Lewis M.
WATERBURY—Apothecaries Hall Co.

FLORIDA.

CHIPLEY—Campbell A. D.
GAINESVILLE—Florida Fertilizer Co.
Standard Fertilizer Co.
INGLIS—Barker Chemical Co.
JACKSONVILLE—American Agricultural Chemical Co.
Armour Fertilizer Works
Florida Cotton Oil Co.
Independent Fertilizer Co.
Osceola Fertilizer Co.
Painter E. O. Fertilizer Co.
Virginia-Carolina Chemical Co.
Wilson & Toomer Fertilizer Co. ("Ideal")
MARIANNA—Gulf Chemical Co.
ORLANDO—Southern Fertilizer Co.
PALATKA—Peninsular Fertilizer Co.
PENSACOLA—Saunders E. E. & Co.
TAMPA—Gulf Fertilizer Co.
West Coast Fertilizer Co.

GEORGIA.

ALBANY—Albany Phosphate Co.
Albany Warehouse Co.
Brown Guano Co.
Muse A. W. & Co.
Pioneer Guano Co.
Virginia-Carolina Chemical Co.
AMERICUS—International Agricultural Corp.
L. G. Council Fertilizer Works
Virginia-Carolina Chemical Co.
ASHBURN—Ashburn Oil Mill
ATHENS—Empire State Chemical Co.
Georgia Phosphate Co.
Oglethorpe Oil & Fertilizer Co.
ATLANTA—Armour Fertilizer Works
Chickamauga Fertilizer Works
Empire Cotton Oil Co.
Furman Fertilizer Co.
International Agricultural Corp.
Morris Fertilizer Co.
Porter Fertilizer Co.
Swift & Company
Union Seed & Fertilizer Co.
Virginia-Carolina Chemical Co.
AUGUSTA—Georgia Chemical Works
International Agricultural Corp.
South Atlantic Fertilizer Co.
Southern Cotton Oil Co.
Southern States Phosphate & Fertilizer Co.
BAINBRIDGE—Empire Cotton Oil Co.
BALDWIN—Shore W. A. & Co.
BALL GROUND—Ball Ground Oil & Fertilizer Co.
BARTOW—Smith Bros. & Co.
BLACKSHEAR—Blackshear Mfg. Co.
BLAKESLEY—Empire Cotton Oil Co.
BOSTWICK—Monroe Oil & Fertilizer Co.
BOWDON—Bowdon Oil Fertilizer Co.
BOWMAN—Bowen & Ray
Ginn I. L. & Co.
Teasley & Son
BRASELTON—Co-operative Fertilizer Co.
BREMEN—Mandeville Mills
BROXTON—Broxton Fertilizer Co.
BUENA VISTA—Planters Fertilizer & Livestock Co.
BUFORD—Busha S. J.
BULLOCHVILLE — Bullochville Home Mixture Guano Co.
BYROMVILLE—Farmers' Fertilizer Wks.
CADWELL—Cadwell Fertilizer Works
CAMILLA—Georgia Mfg. Co.
CANON—Agnew O. L.
Canon Oil & Fertilizer Co.
CANTON—Canton Fertilizer Co.
CARLTON—Stevens-Martin Co.
Tiller-Glenn Co.
CARROLLTON—Mandeville Mills
CARTERSVILLE — Cumberland Fertilizer Co.
CEDARTOWN—Southern Cotton Oil Co.
CHAUNCEY — Chauncey Warehouse & Mfg. Co.
CHIPLEY—Chipley Home Mixture Guano Co.
COLUMBUS—Blanchard, Humber & Co.
Bradley W. C. Co.
Davis Warehouse Co.
Georgia Fertilizer Co.
Home Mixture Guano Co.
Royster F. S. Guano Co.
Southern Cotton Oil Co.
Virginia-Carolina Chemical Co.
COMER—Comer Mercantiue Co.
Rowe W. A. & Co.
COMMERCE—Commerce Fertilizer Co.
Deadwyler A. B.
CONCORD—Strickland R. F. Co.
CONYERS—Farmers' Union Warehouse, Storage & Mfg. Co.
Wood Brothers
CORDELE—Empire Cotton Oil Co.
Read Phosphate Co.
COVINGTON—Fowler Bros. Co.
CRAWFORDVILLE — Crawfordville Ginning & Fertilizer Co.
CULLODEN—Culloden Ginning & Fertilizer Co.
CUMMING—Cumming Oil & Fertilizer Co.
CUTHBERT—McDonald & Weaver
DAVISBORO—Davisboro Fertilizer Co.
DAWSON—Southern Cotton Oil Co.
DEVEREAUX—Moate J. M.
DEWEY ROSE—Farmers E. & C. Union Warehouse Co.
Hewell T. J. Jr.
DOERUN—Doerun Oil Mill Co.
DONALDSONVILLE — Donaldsonville Oil Mill
DOUGLAS—Douglas Oil & Fertilizer Co.
DOUGLASVILLE—Upshaw Brothers
DUBLIN—Dixie Fertilizer Co.
Empire Cotton Oil Co.
Middle Georgia Fertilizer Co.
Oconee Fertilizer Co.
DULUTH—McClure-Taylor Co.
EASTMAN—Improved Dodge Guano Co.
EATONTON—Eatonton Oil & Fertilizer Co.
Ezell-Griffin Co.
Putnam Fertilizer Works
EDISON—Sealy & Rambo
ELBERTON—Elbert County Fertilizer Co.
Elberton Guano Co.
Tabor T. O. & Son
ELLAVILLE—Ellaville Guano Co.
FAYETTEVILLE—Redwine Brothers
FITZGERALD—Ben Hill Co.
Fitzgerald Cotton Oil Co.
Planters' Warehouse & Loan Co.
FORSYTH—Southern Cotton Oil Co.
FORT GAINES—Georgia Products Co.
Fort Gaines Fertilizer Co.
Southern Cotton Oil Co.
FORT VALLEY—Fort Valley Oil Co.
GAINESVILLE—Jewell-Loudermilk Co.
GRANTVILLE—Grantville Cotton Oil Co.
GRAYSON—Grayson Home Mixture Co.
GRIFFIN—Gossett A. F. & Son
Walker Brothers Co.
HAGAN—Hagan Oil Mill & Fertilizer Co.
HARRISON—Harrison Fertilizer Co.
HARTWELL—Leard & Massey
Matheson J. D. & Sons
HAWKINSVILLE—Jelks W. A. & Co.
JACKSON—Buttrill Guano Co.
Mallett & Nutt
Watkins B. F. & Co.
JERSEY—Jersey Oil Mill Co.
LA FAYETTE—La Fayette Fertilizer Co.
LAVONIA—Yow & McMurray
LAWRENCEVILLE — Lawrenceville Fertilizing Co.
LILLY—Planters' Oil & Fertilizer Co.
LOCUST GROVE—Combs A. G.
LULA—Miller H. C.
LUMPKIN — Lumpkin Home Mixture Guano Co.
McRAE—Empire Cotton Oil Co.
South Georgia Fertilizer Co.
MABLETON—Lowe, T. J.
MACON—Atlantic Chemical Co.
Cherokee Fertilizer Co.
Columbia Guano Co.
Cotton States Seed & Fertilizer Co.
Heard Brothers
Planters' Fertilizer Co.
Royster F. S. Guano Co.
Southern Cotton Oil Co.
Virginia-Carolina Chemical Co.
MADISON—Madison Fertilizer Co.
MAXEYS—Maxeys Mfg. Co.
MAYFIELD—Ogeechee Fertilizer Works, Inc.
MAYSVILLE—Maysville Oil Mills
MEIGS—Standard Fertilizer Co.
MIDDLETON—Middleton Union Warehouse Co.
MILAN—Farmers' Fertilizer Works
MILLEDGEVILLE—Baldwin County Fertilizer Co.
Central Georgia Guano Co.
MILLEN—Daniel Sons & Palmer Co.
Millen Fertilizer Co.
MILLHAVEN—Comer E. T. & Co.
MONROE—Monroe Oil & Fertilier Co.
Nowell J. M.
MONTEZUMA—Montezuma Fertilizer Co.
MONTICELLO—Benton Supply Co.
Empire Cotton Oil Co.
Farmers' Union Warehouse Co.
MORELAND—Camp H. W. Co.
MOULTRIE—Moultrie Fertilizer & Mfg. Co.
Moultrie Oil & Fertilizer Co.
Swift & Company
NEWNAN—Coweta Fertilizer Co.
Georgia Belle Fertilizer Co.
OCILLA—Ocilla Oil & Fertilizer Co.
PELHAM—Hand Trading Co.
Pelham Oil & Fertilizer Co.
PUTNEY—Putney F. F.
REYNOLDS—Planters' Warehouse Co.
Reynolds Home Mixture Guano Co.
RICHLAND — Richland Home Mixture Guano Co.
ROME—Virginia-Carolina Chemical Co.
ROYSTON—Royston Guano & Warehouse Co.
RUTLEDGE—Rutledge Oil Co.
SALE CITY—Perry F. A. Warehouse

(Continued on following page)

Fertilizer Mfrs.—Continued

GEORGIA—Continued

SAVANNAH—Armour Fertilizer Works
Barker Chemical Co.
Gibbs L. Y. Son & Co.
Mutual Fertilizer Co.
Phosphate Mining Co.
Reliance Fertilizer Co.
Savannah Chemical Co.
Savannah Guano Co.
Southern Cotton Oil Co.
Southern Fertilizer & Chemical Co.
Swift & Company
Virginia-Carolina Chemical Co.
Wilcox, Ives & Co.
SENOIA—McKnight C. C. & Bros.
SHELLMAN—Crittenden Guano Co.
Shellman Home Mixture Guano Co.
SOCIAL CIRCLE—Social Circle Mfg. Co.
Virginia-Carolina Chemical Co.
SOPERTON—Soperton Guano Co.
STARRSVILLE—Anderson & Belcher
STOCKBRIDGE—Mann Joseph
SWAINSBORO—Swainsboro Fertilizer Co.
TEMPLE—Temple Cotton Oil Co.
Temple Cotton Oil Co.
THOMASTON—Reeves T. J. & Co.
Upson County Oil Mills
THOMASVILLE — Thomasville Fertilizer Co.
THOMSON—McDuffie Oil & Fertilizer Co.
TIFTON—International Agricultural Corp.
Tifton Guano Co.
TOCCOA—Farmers Cotton Oil & Fertilizer Co.
UNADILLA—Union Warehouse Co.
VALDOSTA—Empire Cotton Oil Co.
Georgia Fertilizer & Oil Co.
Strickland's A. J. Mfg Works
VIDALIA—Altamaha Fertilizer Co.
Vidalia Chemical Co.
VIENNA—Empire Cotton Oil Co.
VILLA RICA—Villa Rica Cotton Oil Co.
WARRENTON—Union Fertilizer Co.
Warren County Fertilizer Co.
WASHINGTON—Pope Mfg. Co.
WAYNESBORO—Burke County Oil & Fertilizer Co.
WHITE PLAINS—White Plains Gin & Fertilizer Co.
WINDER—Winder Oil Mill Co.
WINTERVILLE—Pittard John T.
WOODBURY—Woodbury Oil Mills
WOODSTOCK—Woodstock Oil & Fertilizer Co.
WOODVILLE—Woodville Oil Co.
WRENS—McNair-Young Co.
ZEBULON—Zebulon Gin & Fertilizer Co.

ILLINOIS.

AURORA—Alba Manufacturing Co.
CHICAGO—Darling & Co., 4201 S Ashland av
Herrmann Jos. F. & Co., Fisher bldg.
Hine Brothers Co., 4023 S Ashland av
Morris & Co., Union Stock Yards
Swift & Co., Union Stock Yards
United Chemical & Organic Products Co., 111 W Washington
United States Gypsum Co. ("Ben Franklin" Gypsum Land Plaster), 205 W Monroe
Wilson & Co., Union Stock Yards
Swift & Company
WAUKEGAN—Barwell John W.
Blatchford Calf Meal Co., Waukegan

INDIANA.

ANDERSON—Anderson Fertilizing Co.
EVANSVILLE—Evansville Packing Co., Morgan av
HAGERSTOWN—Weidman Augustus
HAMMOND—American Glue Co.
INDIANAPOLIS—Dockwiler & Kingsbury Co., 30th and Emerson av
Rauh E. & Sons Fertilizer Co., Union Stock Yards
Smith Agricultural Chemical Co., Kentucky and Reisner
KOKOMO—Kokomo Fertilizer Co.
MARION—Ballard Packing Co.
MISHAWAKA—Major Brothers Packing Co.
NEW ALBANY—Calumet Fertilizer Co., Dept. H
Empire Guano Co.
Hopkins Fertilizer Co.
SEYMOUR—Buhner F. F.
SHELBYVILLE—Bausback Robert & Sons
STASER—Niederhaus Fred.

IOWA.

FORT DODGE—United States Gypsum Co.

KANSAS.

BLUE RAPIDS—United States Gypsum Co.
KANSAS CITY—Armour Fertilizer Works
Cochrane Packing Co.

KENTUCKY.

BARDSTOWN—Grigsby & Co.
LA GRANGE—Duncan & Bro.
LOUISVILLE—Federal Chemical Co.
Fox Chemical Co.
Globe Fertilizer Co.
Kentucky Fertilizer Co.
Louisville Fertilizer Co.
New Louisville Rendering Co.
Southern Fertilizer Co.
Wood, Stubbs & Co.
OWENSBORO—Turley T. J. Co.

LOUISIANA.

ARCADIA—Arcadia Cotton Oil Mill & Mfg. Co.
GIBSLAND—Gibsland Oil Mills & Fertilizer Co.
HARVEY—Swift & Company
HOMER—Homer Cotton Oil Co.
MINDEN—Minden Cotton Oil & Ice Co.
NEW ORLEANS—Planters' Fertilizer & Chemical Co., Hibernia bldg
St. Bernard Rendering & Fertilizing Co., Perrin bldg
RUSTON—Ruston Oil Mill & Fertilizer Co.
SHREVEPORT—Meridian Fertilizer Factory
Shreveport Fertilizer Works
Swift & Company
Virginia Carolina Chemical Co.

MAINE.

AUGUSTA—Philbrick E. J.
BANGOR—Morison Brothers
BOWDOINHAM—Sagadohoc Fertilizer Co.
EASTPORT—MacNichol Packing Co.
HOULTON — International Agricultural Corp.
PORTLAND—Portland Rendering Co., East Deering
SEARSPORT—American Agricult. Chemical Co.

MARYLAND.

BALTIMORE—American Agricult. Chemical Co., Fidelity bldg
Armour Fertilizer Works, Curtis Bay
Baltimore Fertilizer Co., 221 N Calvert
Baugh & Sons Co., The 25 S Calvert
Griffith & Boyd Co., Keyser bldg
Home Fertilizer & Chemical Co., Calvert bldg
Hubbard Fertilizer Co., Keyser bldg
Hubbard M. P. & Co., Calvert bldg
Miller Fertilizer Co., Md. Life bldg
Nichols J. B. & Son, 9 E Camden
Ober G. & Sons Co., 1101 St. Paul
Patapsco Guano Co., Fidelity bldg
Piedmont Mt. Airy Guano Co. Keyser bldg
Pollock Fertilizer Co., Fidelity bldg
Rasin-Monumental Co., Nat. Mar. Bank bldg
Standard Wholesale Phosphate Co., Continental bldg
Superior Guano Co., Munsey bldg
Swift & Co., Stock Exchange bldg
Taveau H. S. & Co., Marine Bk bldg
U. S. Industrial Chemical Co. Inc., Curtis Bay
BEL AIR—McComas Brothers
Robinson W. E. & Co.
CAMBRIDGE—Webster S. L. & Son
CARDIFF—Dooley & Robinson Bros.
CHESTERTOWN—Peerless Fertilizer Co.
CHURCH HILL—Valliant E. S. & Son
CRISFIELD—Dennis L. E. P. & Son
ELKTON—Scott Fertilizer Co.
FREDERICK—Ramsburg Fertilizer Co.
Tyson J. & Son
GREENSBORO—Horsey, Roe & Co.
HAGERSTOWN—Central Chemical Co.
Tanners Hide & Tallow Co.
HAMPSTEAD—Hampstead Fertilizer Co.
MT. AIRY—Hood W. H. & Chester P.
NEW WINSOR—Bennett N. T.
SALISBURY—Farmers & Planters' Co.
Tilghman W. B. Co.
SNOW HILL—Worcester Fertilizer Co.
UNION BRIDGE—Farmers' Exchange Co.
WESTMINSTER—Farmers Fertilizer & Feed Co.
Westminster Fertilizer Co.
WOODSBORO—Miller & Cramer

MASSACHUSETTS.

BOSTON—Bowker Fertilizer Co., 43 Chatham
Breck Joseph & Sons' Corp., 51 N. Market
Eastern Chemical Co., 15 Boston
Lowell Fertilizer Co., 40 N Market
FRAMINGHAM—Wood A. H. & Co.
HOLYOKE—Abbott W. H.

MICHIGAN.

ADRIAN—Smith Elmer D. & Co.
ALABASTER—United States Gypsum Co.
DETROIT—American Agricultural Chemical Co., 204 Forman
JACKSON—Boland James Rendering & Fertilizing Co.
KALAMAZOO—Kalamazoo Rendering & Fertilizer Co.
ST. JOSEPH—Burton E.

MINNESOTA.

MINNEAPOLIS—United States Gypsum Co.
ST. PAUL (South)—Swift & Company

MISSISSIPPI.

AMORY—Gilmore-Puckett Co.
BROOKHAVEN—Brookhaven Cotton Oil & Fertilizer Co.
COLUMBUS—Independent Oil & Fertilizer Works
Refuge Cotton Oil Co.
CORINTH—Tupelo Fertilizer Factory
HATTIESBURG—Meridian Fertilizer Factory
HAZLEHURST—Hazlehurst Oil Mill & Fertilizer Co.
JACKSON—Jackson Fertilizer Co.
Union Seed & Fertilizer Co.
KOSCIUSKO—Planters' Oil Mill & Gin Co.
LAUREL—Laurel Oil & Fertilizer Co.
MERIDIAN—Eagle Cotton Oil Co.
George A. H. Co.
Meridian Fertilizer Factory
Threefoot Bros. & Co.
NEWTON—Newton Oil Mill
PHILADELPHIA—Henderson-Molpus Co.
TUPELO—Tupelo Fertilizer Factory
VICKSBURG—Refuge Cotton Oil Co.
WESSON—Wesson Cotton Oil & Fertilizer Co.
YAZOO CITY—Producers' Cotton Oil Co.

MISSOURI.

KANSAS CITY—United States Gypsum Co. Lathrop bldg
ST. JOSEPH—Swift & Co.
ST. LOUIS—Empire Carbon Works, National Stock Yards

NEBRASKA.

SOUTH OMAHA — Armour Fertilizer Works
Swift & Company

NEW HAMPSHIRE.

LANCASTER—Smith Frank Co.
PITTSFIELD—Sanborn J. W.

NEW JERSEY.

ALLOWAY—Ayres J. F.
BRIDGETON—Grange Commercial Store
Minch John E.
BURLINGTON—Burlington Supply Co.
CAMDEN—Wenderoth J. & Sons
CEDARVILLE—Brown Wm. M.
CHROME—Armour Fertilizer Works
ELMER—Smith Rufus W. Co.
FREEHOLD—Monmouth County Farmers' Exchange
HIGHTSTOWN—Chamberlin E. B. & Co.
MARLBORO—Baird J. H. & Son
MEDFORD—Haines Jos. H. & Sons
MILLINGTON—Runyon A. D.
MONMOUTH JUNCTION—Rowland John B.
MOORESTOWN—Collins J. S. & Son, Inc.
MT. EPHRAIM—Clark C. C. & Son
MT. HOLLY—Burlington County Farmers' Exchange
NEWARK—Listers Agricultural Chemical Works, Lister av
Noll J. F. & Co., 115 Mulberry
NEW BRUNSWICK—Lederer Samuel & Son
Ruckman Brothers
PLAINFIELD—Glaser Co.
QUINTON—Quinton Glass Co.
ROBBINSVILLE—Hendrickson & Dilatush
SWEDESBORO—Locke & Black
TRENTON—Trenton Bone Fertilizer Co.
VINELAND—Wilde Wm.
WOODBURY—West Jersey Marl & Trans. Co.
WOODSTOWN — South Jersey Farmers' Exchange

NEW YORK.

ALBANY—Newhof L.
BALDWINSVILLE—Giddings Burt & Sons
BEACON—Hammond Benjamin
BROCKPORT—Shafer Perry C. Co.
BUFFALO—American Agricultural Chemical Co., 129 Lewis
Dold Jacob Packing Co., 745 William
International Agricultural Corp., Mutual Life bldg
U. S. Gypsum Co., Ellicott sq
FILLMORE—Stockwell J. W. Co.
JOHNSONBURG—Daniels Fred
NEW YORK CITY—American Agricultural Chemical Co. ("Bradley"), 2 Rector
Am. Cotton Oil Co., 239 W. 30th
American Cyanamid Co., 511 5th av
Bowker Fertilizer Co., 60 Trinity pl
Coe-Mortimer Co., 2 Rector
Consumers' Chemical Corp., 120 B'way
Cooper's Peter Glue Factory, 11th av & 28th
Henderson Peter & Co. (Dirs.), 35 Cortland
International Agricultural Corp., 61 B'way
Lister's Agricultural Chemical Works, 2 Rector
Mapes Formula & Peruvian Guano Co., 143 Liberty
Parson & Petit (Brokers), 63 Beaver
Southern Cotton Oil Co., 120 Broadway
Southern Exchange Co., 97 Warren
Suter Eugene & Co., 160 Broadway
Thorburn J. M. & Co., 46 W. Broadway
U. S. Gypsum Co., 1170 B'way
U. S. Industrial Alcohol Co. (Mixed), 110 E 42nd
OAKFIELD—U. S. Gypsum Co.
SYRACUSE—Syracuse Rendering Co.

NORTH CAROLINA.

ASHEVILLE—Asheville Packing Co.
AULANDER—Bertie Cotton Oil Co.
CHARLOTTE—Southern Cotton Oil Co.
Virginia-Carolina Chemical Co.
CLAYTON—Clayton Oil Mill
CONCORD—Southern Cotton Oil Co.
DUNN—Dunn Oil Mills Co.
DURHAM—Virginia-Carolina Chemical Co.
EDENTON—Chowan Cotton Oil & Fertilizer Co.

ELIZABETH CITY—Grandy N. G. & Co.
Jennett Brothers Co.
FARMVILLE—Farmville Oil & Fertilizer Co.
TIMMONSVILLE—Timmonsville Oil Co.
FREMONT—Fremont Oil Mill Co.
GIBSON—Southern Cotton Oil Co.
GOLDSBORO—Southern Cotton Oil Co.
GREENSBORO — American Agricultural Chemical Co.
Armour Fertilizer Works
HERTFORD—Eastern Cotton Oil Co.
JOHNS—John J. T. Co.
KINSTON—Lenoir Oil & Ice Co.
LAUREL HILL—Pate Z. V.
LAURINBURG—Elmore Ginning & Fertilizer Co.
McNair Phosphate Co.
LUMBERTON—Robeson Mfg. Co.
MARSHVILLE—Marsh-Lee Co.
MAXTON—Elba Mfg. Co.
NEW BERN—Craven Chemical Co.
Meadows E. H. & J. A. Co.
New Bern Cotton Oil & Fertilizer Mills
Virginia-Carolina Chemical Co.
PINE LEVEL—Pine Level Oil Mills
PITTSBORO—Chatham Oil & Fertilizer Co.
RAEFORD—Hoke Oil & Fertilizer Co.
RALEIGH—Caraleigh Phosphate & Fertilizer Works
Union Seed & Fertilizer Works
ROCKINGHAM—Everett Bros.
ROCKY MOUNT—Planters' Cotton Oil & Fertilizer Co.
Southern Cotton Oil Co.
SCOTLAND NECK—Scotland Neck Guano Co.
SHELBY—Southern Cotton Oil Co.
TARBORO—Josey N. B. Guano Co.
Royster F. S. Guano Co.
WADESBORO—Southern Cotton Oil Co.
WASHINGTON—Bragaw Fertilizer Co.
Havens Oil Co.
Pamlico Chemical Co.
WILMINGTON—Acme Manufacturing Co.
American Agricultural Chemical Co.
Armour Fertilizer Works
Navassa Guano Co. of Wilmington
Pearsall & Co.
Swift & Company
Union Seed & Fertilizer Co.
WILSON—Contentnea Guano Co.
Farmers' Cotton Oil Co.
Southern Cotton Oil Co.
WINSTON-SALEM—Union Guano Co.
Virginia-Carolina Chemical Co.

OHIO.

ALLIANCE—Alliance Fertilizer Co.
ATHENS—Stedman F. C. Co.
BARBERTON—Columbia Chemical Co.
CAMDEN—Slover Edward Fertilizer Co.
CANTON—Canton Fertilizer & Chemical Co., Harrisburg rd N. E.
CINCINNATI — American Agricultural Chemical Co., Prov. Bk. bldg
Jarecki Chemical Co., ft. Broermann av, St. B
Virginia-Carolina Chemical Co., Union Central bldg
CLEVELAND — American Agricultural Chemical Co., Rose bldg
Grassell Chemical Co., Guardian bldg
Stadler J. L. & H. Rendering & Fertilizer Co., 908 Denison av, N W
Swift & Co., 2300 Ontario S. E.
U. S. Gypsum Co.
COLUMBUS—Farmers' Fertilizer Co.
Independent Packers Fertilizing Co.
Smith Agricultural Chemical Co., Champion and Leonard
DAYTON—Wuichet Fertilizer Co.
DEFIANCE—Ruehle John
GREENVILLE—Mace & Mansfield
GYPSUM—U. S. Gypsum Co.
HAMILTON—Miami Fertilizer Co.
HARVEYSBURG—Harveysburg Fertilizer Co.
MARIETTA—Marietta Bone & Phosphate Co.
Muskingum Valley Fertilizer Co.
MEDINA—Rickard G. W.
NEWARK—Howell Fertilizer Co.
PORTSMOUTH—Portsmouth Chemical Co.
SANDUSKY—Jarecki Chemical Co.
TIFFIN—Seneca Fertilizer Co.
WASHINGTON C. H.—Hamm M. Co.
Miller E. L.
WHEELERSBURG—Bell Geo. A. Fertilizer Works
YOUNGSTOWN—Youngstown Fertilizer Co.
ZANESVILLE—Frank L. & Sons

OREGON.

NORTH PORTLAND—Union Meat Co.
PORTLAND—Alaska Fish Salting & By-Product Co., Concord bldg
Fish Salting & By Product Co.
Portland Rendering Co., Kenton

PENNSYLVANIA.

ALLENTOWN—Allentown Manufacturing Co., 24 S. 6th st
Reichard Robert A., 1321 Linden
ATGLEN—Hastings W. S. & Sons
CHESTER—Baxter Henry V.
COATESVILLE—Downward Jas. G. Co.
Hartranft Frank
CONNELLSVILLE—Connellsville Garbage & Fertilizer Co.
DOYLESTOWN—Dungan Fertilizer Co.
DU BOIS—Du Bois Fertilizer Works, Inc.
EASTON—Berger Brothers
ELIZABETHTOWN — Farmers' Fertilizer Works
ERIE—Erie Reduction Co.
GAP—Walker J. C. & Sons Co.
GETTYSBURG—Blocher D. & Co.
HAZLETON—Schumacher Anson B.
KENNETT SQUARE—Gawthrop Jos. R.
LANCASTER—Lancaster Bone Fertilizer Co.
Lancaster Chemical Co.
LEAMAN PLACE—Eby Amos & Co.
LEBANON—Lebanon Fertilizer Works
LINCOLN UNIVERSITY—Cope Henry & Co.
LINFIELD—Trinley Jacob & Sons
MAUD—Simon's F. A. Brothers
NEWTOWN—Kenderline T. S. & Sons
NORTH WALES—Union Chemical Works, Inc.
OXFORD—Oxford Packing Works
Baugh & Sons Co., 20 S Delaware av
Keystone Bone Fertilizer Co., 15 N 5th
Roberts Ellwood Co., Drexel bldg
Shoemaker M. L. & Co., Venango & Delaware
Tunnell F. W. & Co., 15 N 15th
Wilson Martin Co., 30th & Market
PITTSBURGH—Beckert Seed Store, 103 Federal
Pittsburgh Provision & Packing Co., Herrs Island
Walker, Stratman & Co., Herrs Island
RAUBSVILLE—Hoffman P. & Bro.
READING—Reading Bone Fertilizers Co.
SEITZLAND—Koller Fertilizer Co.
SPRINGTOWN—Miller Frank P.
STEWARTSTOWN—Bartenslager J. H.
WARREN—Warren Fertilizer Co.
WILLIAMSPORT—Thomas James
YORK—York Chemical Works

RHODE ISLAND.

NARRAGANSETT PIER—Geaber Jos. F. & Bros.
PROVIDENCE—Mitchell Fertilizer Co., 26 S Water

SOUTH CAROLINA.

AIKEN—Farmers Storage & Fertilizer Co.
ANDERSON—Anderson Fertilizer Co.
Anderson Phosphate & Oil Co.
Peoples Oil & Fertilizer Co.
BATESBURG—Batesburg Cotton Oil Co
BENNETTSVILLE — Marlboro Fertilizer Co.
BLACKSBURG—Virginia-Carolina Chemical Co.
CAMDEN—Southern Cotton Oil Co.
CHARLESTON—Combahee Fertilizer Co.
Etiwan Fertilizer Co.
Macmurphy Fertilizer Co.
Molony & Carter Co.
Peruvian Guano Corp.
Planters' Fertilizer & Phosphate Co
Read Phosphate Co.
Southern Cotton Oil Co.
Virginia-Carolina Chemical Co.
Wulbern Fertilizer Co.
CHERAW—Cheraw Oil & Fertilizer Co
CLINTON—Clinton Oil Mills
CLIO—Clio Oil & Fertilizer Co.
COLUMBIA — American Agricultural Chemical Co.
Atlantic Chemical Co.
Columbia Guano Co.
Congaree Fertilizer Co.
Palmetto Guano Corp.
Royster F. S. Guano Co.
Southern Cotton Oil Co.
Swift & Company
Virginia-Carolina Chemical Co.
DARLINGTON—Darlington Fertilizer Co.
DILLON—Southern Cotton Oil Co.
ELLENTON—Ellenton Fertilizer Co.
FAIRFOREST—Fairforest Cotton Oil Co.
GAFFNEY—Victor Cotton Oil Co.
GREENVILLE—Carolina Phosphate Co.
Independent Guano Co.
Virginia-Carolina Chemical Co.
GREENWOOD — International Agricultural Corp.
GREER—Greer Cotton Seed Oil & Fertilizer Co.
Greer Fertilizer Co.
HARTSVILLE—Hartsville Fertilizer Co.
JOHNSTON—Edison J. D.
KERSHAW—Kershaw Oil Mill
LAMAR—Lamar Ginning & Cottonseed Exchange
LANCASTER—Catawba Fertilizer Co.
LIBERTY—Franklin Guano Co.
LITTLE MOUNTAIN—Little Mountain Oil Mill & Fertilizer Co.
LOWNDESVILLE — Lowndesville Cotton Oil Co.
MANNING—Manning Oil Mill
MARION—Marion Guano Co.
MULLINS—Daniel W. H. Supply Co.
NEWBERRY—Farmers' Oil Mill
NORTH AUGUSTA — North Augusta Warehouse & Fertilizer Co.
ORANGEBURG—No-Filler Fertilizer Co
Orangeburg Fertilizer Co.
ROCK HILL—Rock Hill Fertilizer Co.
SIMPSONVILLE — Simpsonville Cotton Mills
SPARTANBURG — International Agricultural Corp.
Royster F. S. Guano Co.
Spartanburg Fertilizer Co.
Southern Cotton Oil Co.
TRENTON—Trenton Fertilizer Co.
WELLFORD—Tiger-Shoals Milling Co.
WESTMINSTER—Westminster Oil & Fertilizer Co.
Westminster Oil & Fertilizer Co.
WEST UNION—Neville Brothers
Strother & Phinney
WOODRUFF—Woodruff Oil & Fertilizer Co.

TENNESSEE.

CHATTANOOGA—Chickamauga Fertilizer Works, Vol. Life bldg
Scholze Henry A., Belt Ry. & Long
JACKSON—Union Seed & Fertilizer Co.
KNOXVILLE—Lowe-Hord Hardware Co 401-4 Wall av
LEOMA—Leonia Gin & Fert. Co.
MEMPHIS—Southern Cotton Oil Co., Falls blvd
Virginia-Carolina Chemical Co.
MOUNT PLEASANT — Mount Pleasant Branch, Virginia-Carolina Chemical Co.
NASHVILLE—Read Phosphate Co., foot 54th av
Tennessee Fertilizer Co., 4th & 1st blvd
Tennessee Fertilizer Co., 533 Broad
SPRINGFIELD—Taylor & Powell Fertilizer Co.

TEXAS.

BRYAN—Bryan Cotton Oil Co.
CARTHAGE—Carthage Cotton Oil Co.
CROCKETT—Houston County Oil Mill & Mfg. Co.
HOUSTON—Fidelity Chemical Corp.
HUNTSVILLE—Huntsville Cotton Oil Co.
JACKSONVILLE—Jacksonville Cotton Oil Co.
LONGVIEW—Longview Cotton Oil Co.
NACOGDOCHES—Nacogdoches Oil Mill
NEW BOSTON—Bowie County Cotton Oil Co.
ROCKDALE—Rockdale Oil Co.
SULPHUR SPRINGS—Farmers & Ginners Cotton Oil Co.
TEXARKANA—Farmers' Oil & Fertilizer Co.
TYLER—East Texas Fertilizer Co.
WEIMAR—Hillje Brothers
WILLS POINT—Wills Point Cotton Oil Co.

VERMONT.

BURLINGTON—Burlington Rendering Co.
RUTLAND—American Agricultural Chemical Co.

VIRGINIA.

ALEXANDRIA—Alexandria Fertilizer & Chemical Co.
Bryant Fertilizer Co.
May Wm. H. & Son
Wattles Richard H.
Columbia Guano Co.
Farmers Guano Co.
Hampton Guano Co.
Holmes & Dawson
Imperial Company
Norfolk Fertilizer Co.
Pocomoko Guano Co.
Robertson Fertilizer Co.
Royster F. S. Guano Co.
Virginia-Carolina Chemical Co.
Winborne & Co.
Young J. R. Fertilizer Co.
AVALON—Gill Howard W.
BLACKSTONE—Blackstone Guano Co.
Farmers' Co-operative Fertilizer Co.
CHILHOWIE—Vance J. L. & Co.
CHURCHLAND—Trotman Mfg. Co.
DUBLIN—Jordan Seed & Fertilizer Co.
ELLERSON—Alliance & Industrial Mfg. Co.
FLEETON—Davis C. E. Packing Co.
FRANKLIN—Franklin Cotton Oil & Fertilizer Co.
Pretlow & Co.
GRETNA—Vaden Fertilizer & Supply Co
HOLLAND—Holland Supply Corp.
LYNCHBURG—Pocahontas Guano Co.
Virginia-Carolina Chemical Co.

(Continued on following page)

When writing to firms whose names you take from this book please mention

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WHEELING — Wheeling Butchers' Association

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4675— Fibre (Brown)

Huntsville Fibre & Veneer Works, Huntsville, Ala.

4676— Fibre (Brush)

American Fibre Co. ("Palmetto"), Jacksonville, Fla.
Eaton, Schleich & Woll (Imp. Tampico), 150 Water, New York
U. S. Palmetto Co. (Tampico), Bates & Colerian avs, Cincinnati, O.
Whiting E. B. & A. C. Co. ("Tampico"), Burlington, Vt.
Wilkins Wm. Co. (Imp., Tampico), Frederick av & Wilkins, Baltimore, Md.

4677—*Fibre ("D. H. Gray Egyptian")

Delaware Hard Fibre Co. (Sheets, Rods, Tubes & Special Shapes), Wilmington, Del. *See adv index at end of book*

4677a— Fibre (Flexible)

Delaware Hard Fibre Co., Wilmington, Del. *See adv index at end of book*
Diamond State Fibre Co., Dept. 37, Bridgeport, Pa.
See adv index at end of book
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
See adv index at end of book

4678-9— Fibre (Friction)

Continental Fibre Co., Newark, Del.
DELAWARE HARD FIBRE CO., Wilmington, Del. Works: Marshallton, Del.
See adv index at end of book
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
See adv index at end of book
WEST VA. PULP & PAPER CO. (Pulp Products Dept.), 200 Fifth av, New York
See adv index at end of book

4680— Fibre (Hard)

In Sheets, Rods, Tubing, Etc.

Barwod V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book
BRANDYWINE FIBRE PRODUCTS CO., E. Wilmington, Del.
See adv index at end of book
Chicago Railway Signal & Supply Co., 122H S Michigan av, Chicago, Ill.
Continental Fibre Co., Newark, Del.
DELAWARE HARD FIBRE CO. (Elec. Friction, etc.), Wilmington, Del.
See adv index at end of book
DIAMOND STATE FIBRE CO. (Furnished in sheets, rods, tubes and special parts, such as bushings, washers, gears, etc., which we machine to specifications. Manufacturers of Diamond-F Mill Receptacles, Trucks, Barrels, Boxes, Waste Baskets, etc. Trunk Fibre, Diamond Insulation, Disfico Insulation Condensite and Oil Celoron. World's largest manufacturer of vulcanized fibre. Catalog on request.), Dept. 37, Bridgeport, Pa.
See adv index at end of book
Empire Mfg. Co., 26th & Tatnell, Wilmington, Del.
Fibre Corporation ("Fibrotte" for Covering Third Rails & Wires), Lockport, N. Y.
Iten Fibre Co., 2358 E 67th, Cleveland, O.
See adv index at end of book

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2358 East 67th Street, CLEVELAND, O.
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Johns-Manville Inc., Madison av & 41st, New York
Mikesell Bros. Co., Wabash, Ind.
See adv index at end of book
National Fibre Board Co. (Electrical & Friction), 121 Beach, Boston, Mass.
NATIONAL VULCANIZED FIBRE CO. ("Vul-Cot"), Beach & Maryland av, Wilmington, Del.
See adv index at end of book
Oeters, Edgar O., 603 Arch, Phila, Pa.
ROGERS FIBRE CO. ("Leatheroid"), 121 Beach, Boston, Mass.
See adv index at end of book
Russell Specialty Mfg. Co., Lake & Sacramento, Chicago, Ill.
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Wilmington Fibre Specialty Co., Wilmington, Del.

4681— Fibre (Insulating)

See also Fibre, Hard

Brandywine Fibre Products Co., E Wilmington, Del.
See adv index at end of book
Continental Fibre Co., Newark, Del.
DELAWARE HARD FIBRE CO. (Rods, Tubes, etc.), Wilmington, Del.
See adv index at end of book
DIAMOND STATE FIBRE CO. (Special insulating parts such as bushings, washers, etc., also Diamond and Disfico insulating papers), Dept. 37, Bridgeport, Pa.
See adv index at end of book
Fibroc Insulation Co. ("Fibroc"), cor. Campbell, Valparaiso, Ind.
See adv index at end of book
Formica Insulation Co. (Impregnated), 3240 Spring Grove av, Cincinnati, O.
Iten Fibre Co., 2358 E. 67th, Cleveland, O.
See adv index at end of book
Oeters, Edgar O., 603 Arch, Phila, Pa.
Q. & C. Co., 90 West, New York
Railroad Supply Co., 203 S Dearborn, Chicago, Ill.
ROGERS FIBRE CO. ("Leatheroid"), 121 Beach, Boston, Mass.
See adv index at end of book
SPAULDING FIBRE COMPANY, INC., Tonawanda, N. Y.
See adv index at end of book
WEST VA. PULP & PAPER CO. (Pulp Products Dept.), 200 Fifth av, New York
See adv index at end of book
Wilmington Fibre Specialty Co., Wilmington, Del.

4682— Fibre (Sheet)

See also Fibre, Hard

Cincinnati Rubber Mfg. Co. ("Wampus"), Franklin av, Cincinnati, O.
Continental Fibre Co. ("Bakelite-Dilecto" & "Continental-Bakelite"), Newark, Del.

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See adv index at end of book
Iten Fibre Co., 2358 E. 67th, Cleveland, O.
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Oeters, Edgar O., 603 Arch, Phila, Pa.
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
See adv index at end of book
Russell Specialty Mfg. Co., Lake & Sacramento, Chicago, Ill.
SPAULDING FIBRE COMPANY, INC., Tonawanda, N. Y.
See adv index at end of book
WEST VA. PULP & PAPER CO. (Pulp Products Dept.), 200 Fifth av, New York
See adv index at end of book
Wilmington Fibre Specialty Co., Wilmington, Del.

4682a— Fibre (Specialties)

BARWOOD V. H. MFG. CO. ("Barco"), Lynn, Mass.
See adv index at end of book
BRANDYWINE FIBRE PRODUCTS CO. (Tubing, Rings & Sleeves), E Wilmington, Del.
See adv index at end of book
Delaware Hard Fibre Co. (Angles Vulcanized, Collars, Connector Plugs, Engine Pad Support), Wilmington, Del.
See adv index at end of book
Diamond State Fibre Co., Dept. 37, Bridgeport, Pa.
See adv index at end of book
ITEN FIBRE CO., 2358 E 67th, Cleveland, Ohio
See adv index at end of book
Russell Specialty Mfg. Co., Lake & Sacramento, Chicago, Ill.
St. Louis Paper Can & Tube Co., Big Bend road, St. Louis, Mo.
Telenduron Co., Ambler, Pa.

4683— Fibre (Trunk & Suit Case)

See also Fibre, Hard

DELAWARE HARD FIBRE CO. Wilmington, Del. Works: Marshallton, Del. *See adv index at end of book*
DIAMOND STATE FIBRE CO. (Diamond Trunk Fibre is used by the world's largest trunk manufacturers), Dept. 37, Bridgeport, Pa.
See adv index at end of book
NATIONAL VULCANIZED FIBRE CO. ("Keystone"), Beach & Maryland av, Wilmington, Del.
See adv index at end of book
Oeters, Edgar O., 603 Arch, Phila, Pa.
Paraffine Co.'s, Inc., 34 1st, San Francisco, Cal.
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
See adv index at end of book

(Continued on following page)

NATIONAL VULCANIZED FIBRE COMPANY

Formerly
National Fibre & Insulation Co.
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Keystone Fibre Co.

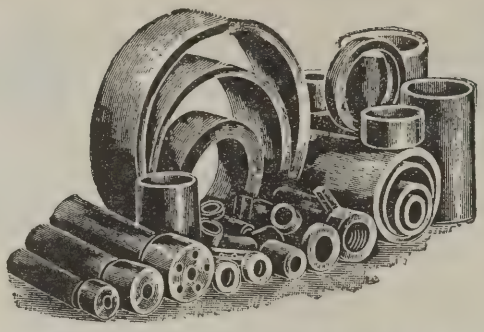
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Wilmington Fibre Specialty Co., Wilmington, Del.

4683a— Fibre Tubes

BRANDYWINE FIBRE PRODUCTS CO., E Wilmington, Del.
See adv index at end of book

Chicago Mica Co., Campbell, Valparaiso, Ind. *See adv index at end of book*

Continental Fibre Co. ("Bakelite-Dilecto"), Newark, Del.

Elastoid Fibre Co. ("Elastoid"), Waltham, Mass.

Fibre Container Co. of Pa. (Spiral Wound) H Nixon, Manayunk, Phila., Pa.

ITEN FIBRE CO., 2358 E 67th, Cleveland, Ohio
See adv index at end of book

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Mikesell Bros., Wabash, Ind.
See adv index at end of book

National Vulcanized Fibre Co., Beech & Maryland, Wilmington, Del.
See adv index at end of book

Russell Specialty Mfg. Co., Lake & Sacramento, Chicago, Ill.

St. Louis Paper Can & Tube Co., Big Bend rd, St. Louis, Mo.

4684— Fibre (Vulcanized)

See also Indurated Fibre Ware

Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book

BRANDYWINE FIBRE PRODUCTS CO., E. Wilmington, Del.
See adv index at end of book

Campbell Fibre Co., Stanton, Del.

Continental Fibre Co., Newark, Del.

Cordley & Hayes, 32 Leonard, New York
See adv index at end of book

DELAWARE HARD FIBRE CO. (Sheets, Rods & Special Shapes), Wilmington, Del. *See adv index at end of book*

Diamond State Fibre Co., Bridgeport, Pa.

Die Cast Fibre Co., Wilmington, Del.

Iten Fibre Co., 2358 E 67th, Cleveland, O.
See adv index at end of book

Oeters, Edgar O., 603 Arch, Phila, Pa.

ROGERS FIBRE CO. ("Leatheroid"), 121 Beach, Boston, Mass.
See adv index at end of book

Russell Specialty Mfg. Co., Lake & Sacramento, Chicago, Ill.

SPAULDING FIBRE COMPANY, INC., Tonawanda, N. Y.
See adv index at end of book

Standard Fibre Co., Somerville, Mass.

Wilmington Fibre Specialty Co., Wilmington, Del.

4685-6— Fids (Hand)

Hopper Wm. E. (Hickory), Paterson, N. J.

Stossel Carl Sons & Co. (Hickory), Front Royal, Va.

4687—Figures (Carved Wood)

Cal. Wood Carving Co., 1123 Howard, San Francisco, Cal.

Spanjer Bros., 198 Badger av, Newark, N. J.

4688— Figures (Lead)

Laughlin Thos. Co. (& Brass), 135 Fore, Portland, Me.
See adv index at end of book

Wilcox, Crittenden & Co. Inc. (Also Cast Brass), 444 S Main, Middletown, Conn.
See adv index at end of book

4688a— *Figures & Numbers (Aluminum)

FRAMMES L. F. & SONS, 311 Union, Allentown, Pa.
See adv index at end of book

4689—Filaments (Incandescent Lamp)

Filament Supply Co., Hoboken, N. J.

Independent Lamp & Wire Co., Weehawken, N. J.

Pick Richard Mfg. Co., 224 N Wells, Chicago, Ill.

4689a—File Guides (Aluminum)

Aluminum Company of America, 2301 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book

4690— File Renewing

American File Renewing Co., 85 Kimball, Providence, R. I.

Hayes File Co., 1936H Franklin, Detroit, Mich.

4691— File & Rasp Mfrs.

American Swiss File & Tool Co., 410 Trumbull, Elizabeth, N. J.

Armstrong G. R. Mfrs. Supplies, Inc., 130 High, Boston, Mass.

Barker-Sweet Mfg. Co., 220 N. Y. av, Jamaica, N. Y.

Barnett G. & H. Co. ("Black Diamond"), 1076 Frankford av, Phila., Pa.

Bickhaus File Co. ("Gem City"), Quincy, Ill.

Boston Tool & Mfg. Co., Inc. (Rotary Die Sinkers), 262 Dover, Boston, Mass.

Breneman H. N. & Co., Lancaster, Pa.

Brohm & Molitor, 257 S Pearl, Albany, N. Y.

Buckeye Saw Mfg. Co. (Hand Cut), Columbus, O.

Campbell James F. & Son, 92 Essex, Brooklyn, N. Y.

Champion File Works, New Haven, Conn.

Chatterton File Works, 38 Randall, Providence, R. I.

Chelsea File Works, Norwich, Conn.

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Co-operative File Co., Lawrence, Mass.

Delta File Works, 4837 James, Phila., Pa.

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Flanagan M. C., 414 Shelton av, New Haven, Conn.
Graves File Co. (Hand Cut), 67 N. J. R. R. av, Newark, N J.
Grover File Co., Nashua, N. H.
Haskins R. G. ("Haskins"), 516 W Monroe, Chicago, Ill.
Hayes File Co. (For Solder, Babbitt Metal, etc.), 1986H Franklin, Detroit, Mich.
Heller Bros. Co., 870 Mt. Prospect av, Newark, N. J.
Lewis File Mfg. Co., Beach City, O.
Lutz File Co., 806 B'way, Cincinnati, O.
McCaffrey File Co., 5th & Berks, Phila., Pa.
McClellan Wm., 1394 W 3rd, Cleveland, O.
Madden & Morrison File Co., Middletown, N. Y.
Montgomery & Co. ("Grobet" Swiss, Imported), 105 Fulton, New York
Moore Bros., Jamestown, N. Y.
Murcott & Campbell, 296 Union av, Brooklyn, N. Y.
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Niagara File & Rasp Co., Lockport, N. Y.
NICHOLSON FILE CO. ("Nicholson," "Kearney & Foot," "McClellan," "J. Barton Smith," "Eagle," "Arcade," "American," "Gt. Western," "X-F," Swiss Pattern Files), Providence, R. I.
Pittsburgh Gage & Supply Co. ("Bestovall" Files), 30th & Liberty av, Pittsburgh, Pa.
Rex File & Saw Co., Newcomerstown, O.
Reynolds Bros. (Hand Cut), Columbus, O.
Ridgeway James B., Gorham, Me.
Shannon Wm., Middletown, N. Y.
Simonds Saw & Steel Co. ("Simonds," "Fitchburg"), 470 Main, Fitchburg, Mass.
Stokes Bros Mfg. Co., Freehold, N. J.
Stubbs Steel Co., 17 N 5th, Phila., Pa.
Tacony File & Hdwe. Co. (Equalling & Magneto Files), 6744H Wissinoming, Tacony, Phila., Pa.
Troy File Works ("Trojan," "Arrow"), Troy, N. Y.
Vixen Tool Co. ("Vixen" Patent Milling File), 879 Mt. Prospect av, Newark, N. J.
Westfahl File Co. ("Westfahl" Rasp), 467 31st, Milwaukee, Wis.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

4692— Files (Aluminum)

Hayes File Co., 1986H Franklin, Detroit, Mich.
Heller Brothers Co., 870 Mt. Prospect av, Newark, N. J.
Vixen Tool Co. ("Vixen"), 858 Summer av, Newark, N. J.

4693— Files (Bill)

American Mfg. Concern (Board), Falconer, N. Y.
Globe-Wernicke Co. (The), 25 Carthage av, Cincinnati, Ohio
See adv index at end of book
Grey Iron Casting Co. (Letter, Paper, etc), Mt. Joy, Pa.
Jencks E. Mfg. Co. (Brass), 28 Union, Worcester, Mass.
Nicol & Co., 218 N Jefferson, Chicago Ill.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
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Sargent & Co. (Paper), New Haven, Conn.
Wire Hardware Co., 6126 S La Salle, Chicago, Ill.
Wrightsville Hardware Co. (Stand Paper Files, Hanging, etc), Wrightsville, Pa.

4693a— Files (Box Letter)

WEIS MFG. CO. THE, Monroe, Mich.
See adv index at end of book

4694— Files (Celluloid)

Foundry Manganese Co., Harrison bldg, Phila., Pa.
Heller Bros. Co., 870 Mt. Prospect av, Newark, N. J.
Parkes File Co., 117 Verona av, Newark, N. J.

4694a— Files (Check)

WEIS MFG. CO. THE, Monroe, Mich.
See adv index at end of book

4695— Files (Circular)

Hayes File Co. (For Aluminum, Babbitt & Other Soft Metals), 1986H Franklin Detroit, Mich.
Heller Bros. Co., 870 Mt. Prospect av, Newark, N. J.
Tacony File & Hardware Co., 6744 Wissinoming, Tacony, Phila., Pa.

4695a— Files (Coil)

Heller Bros. Co., 870 Mt. Prospect av, Newark, N. J.
NICHOLSON FILE CO. ("Spark"), Providence, R. I.
Tacony File & Hardware Co., 6744 Wissinoming, Phila., Pa.

4696— Files (Dental)

Dixon Wm., 119 Fulton, New York
Hammond E. L. & Son, Sayre, Pa.
Heller Bros. Co., 870 Mt. Prospect av, Newark, N. J.
Tacony File & Hardware Co., 6744 Wissinoming, Tacony, Phila., Pa.

4697— Files (Filing Machine)

Heller Bros. Co., 870 Mt. Prospect av, Newark, N. J.
Johnson & Biddle Tool Co. ("J. & B."), Elkhart, Ind.
Parkes File Co., 117 Verona av, Newark, N. J.
Tacony File & Hardware Co., 6744 Wissinoming, Phila., Pa.
Vixen Tool Co. ("Vixen"), 858 Summer av, Newark, N. J.

4698—Files (Gas & Cigar Lighter)

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Parkes File Co., 117 Verona av, Newark, N. J.
Tacony File & Hardware Co., 6744 Wissinoming, Tacony, Phila., Pa.

4699— Files (Horse Tooth)

Arcade Mfg. Co., Freeport, Ill.
Heller Bros. Co. 870 Mt. Prospect av, Newark, N. J.

4700— Files (Manicure)

Buchanan & Burns Co., 45 Austin, Newark, N. J.
Celluloid Co., 36 Washington pl, New York
Disston Henry & Sons, Tacony, Phila., Pa.
Du Pont E. I. de Nemours & Co., Inc. Pyralin Div. ("Pyralin" Nail, etc. See Adv at Celluloid), Arlington, N. J.
See adv index at end of book
Fiberloid Corp., Dept. H, Indian Orchard, Mass.
Hammond E. L. & Son, Sayre, Pa.
Heller Bros. Co., 870 Mt. Prospect av, Newark, N. J.
Koch F. A. & Co., 524 B'way, New York
Overland Mfg. Co., 71 W 23rd, New York
Parkes File Co., 117 Verona av, Newark, N. J.
Ruettgers Ernest Inc., 242-46 Chestnut, Brooklyn, N. Y.
Schnefel Bros., 634 S 17th, Newark, N. J.

4701— Files (Milling)

Brady F. A., Inc. ("Fabrady"), 30 Church, New York
Vixen Tool Co. ("Vixen"), 879 Mt. Prospect av, Newark, N. J.

4701a— Files (Platinum Point)

Du Pont E. I. de Nemours & Co., Inc., Pyralin Div., Wilmington, Del.
See adv index at end of book
NICHOLSON FILE CO. ("Superior") Providence, R. I.
Tacony File & Hardware Co., 6744 Wissinoming, Phila., Pa.

4702— Files (Roll)

Coulter Mfg. Co., Inc., 259 Austin, Buffalo, N. Y.
Heller Bros. Co., 870 Mt. Prospect av, Newark, N. J.

4703— Files (Rotary)

Coulter Mfg. Co., Inc., 259 Austin, Buffalo, N. Y.
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Parkes File Co., 117 Verona av, Newark, N. J.
Tacony File & Hardware Co., 6744 Wissinoming, Tacony, Phila., Pa.

4704— Files (Side)

Disston Henry & Sons, Tacony, Phila., Pa.
Heller Brothers Co., 870 Mt. Prospect av, Newark, N. J.

4704a— Files (Vertical)

WEIS MFG. CO. THE, Monroe, Mich.
See adv index at end of book

4705—Files ("Weed's Special")

NICHOLSON FILE CO., Providence, R. I.

4706—Filing Cabinets & Devices

See also Blue Print Filing Cabinets

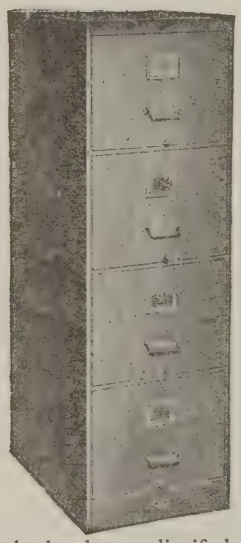
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Albatross Metal Furn. Co. ("Albatross"), 715 Thurman, Portland, Ore.
Allen Ivan-Marshall Co. (Jobbers), 44 Marietta, Atlanta, Ga.
All-Steel Equip. Co. (Steel), Aurora, Ill.
See adv index at end of book
Amberg File & Index Co. (Wood), 1400 Fulton, Chicago, Ill.
American Bank Protection Co. (Steel), 1201 S 3d, Minneapolis, Minn.
American Clip Co., Beebe av, Long Island City, N. Y.
American Kardex Co. ("Kardex"), 281 Kardex bldg, Tonawanda, N. Y.
Am. Mfg. Co. (Card Index & Letter Trays), Dept. H, Falconer, N. Y.
Armorclad Mfg. Co. ("Armor Clad" Metallic), Canton, O.
Art Metal Construction Co. ("Art Metal"), Jamestown, N. Y.
Art Metal Products Co., 514 S Green, Chicago, Ill
Aurora Metal Cabinet Works, Aurora, Ill.
Automatic File & Index Co. (Automatic Vertical & Sectional), Green Bay, Wis.
Baker-Vawter Co. (Steel), Benton Harbor, Mich.
Bentson Mfg. Co., Aurora, Ill.
Barshal Co., 2031 Euclid av, Cleveland, O.
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Browne-Morse Co. (Wood), Muskegon Heights, Mich.
California Ledger Tray Co., 425 E Washington, Los Angeles, Cal.
Canton Art Metal Co. (Steel), 920 Market av S, Canton, O.
Central States Steel Equipment Co. ("Better-Bilt" & "Central States"), Center & Allen, Joliet, Ill.
Chandler Service Corp., 4758 Ford av, Brooklyn, N. Y.
Clark W. J. Co. (Metallic), Salem, O.
Currier Mfg. Co. ("Curmanco" Steel Stationery File Insert for Desk Drawer), Boston blk, Minneapolis, Minn.
Cutler Desk Co. (Wood), Buffalo, N. Y.
DARBY E. & SONS CO. ("Pen Dar," Metallic), 1918 Germantown av, Phila., Pa.
Davidson J. L. Co. (Steel to Order), 644-48 Madeo, Los Angeles, Cal.
Decker Moulding & Mfg. Co., 800 Mound, St. Louis, Mo.
Diven Mfg. Co., Elmira, N. Y.
Dunham Thomas Co., 248 Cleveland av, Aurora, Ill.
Edwards O. M. Co. Inc. ("Edwards" Steel), Syracuse, N. Y.
Estes E. B. & Sons (Card Index, Wood Cabinets), 364 5th av, New York
See adv index at end of book
Federal Steel Fixture Co. (Steel), 8700 S Halsted, Chicago, Ill.
Findex Co., 387 4th av, New York
Franklin Filing Supply Co. ("Automatic" Expanding), 21 White, New York

(Continued on following page)

The Complete Line of Steel Office Equipment

Those who have learned the lasting satisfaction of buying only nationally-known, dependable merchandise, investigate "Allsteel" before they buy.

GF Allsteel Filing Cabinet



The GF Allsteel Line of Vertical Files is built to meet the needs of modern business from every standpoint. Practically every conceivable style of record may be filed in this line of Uprights—there is a file for every size of record, from the 5″ x 3″ index card up to legal size papers, 18″ x 14″.

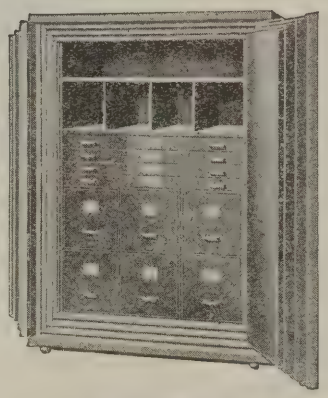
The space-saving feature of steel furniture is carried out to the utmost degree in GF Allsteel Uprights—a saving of 15 to 25 per cent over ordinary files for floor area occupied.

This feature, plus the rigid GF Allsteel construction secured by electric and acetylene welding; a patented, progressive roller suspension which causes the drawers to coast in and out easily and noiselessly whether light or loaded; dust lip at every drawer; thin, easy-running and absolute locking steel follower block, and the handsome, dignified design and finish, give to this line of GF Allsteel Files certain individual merits found in no other line.

GF Allsteel Desks and Tables

Whether for durability, beauty or convenience, your need can be satisfied in the Allsteel Line of Desks and Tables. Eliminating the center legs gives more foot room—a new comfort feature that every business man will appreciate. Linoleum tops are sanitary, stain and wear-proof, and make a working surface that is pleasing and comfortable in all climates. The cold-drawn bronze binding strips, cast bronze, brush-finished column footings and drawer pulls will never show wear. Privacy is afforded by a lock on all drawers in right-hand pedestal. Locks for other drawers can also be furnished.

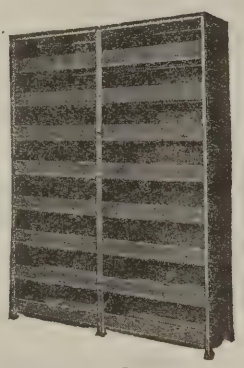
GF Allsteel Safes



Allsteel safes are made in three lines—the underwriters' models with class A label and class B label and the commercial line.

They are designed and built to meet modern needs for a dependable fireproof safe.

Our Safe Catalog, sent free for the asking, gives you valuable information about safes.



GF Allsteel Shelving

Built from simple, fundamental units, Allsteel Shelving is quickly installed, easily moved, low in first cost and wears for years and years. It is fire resistive, much stronger than wood shelving and in many cases no more costly.

The above are only a few examples of the comprehensive line of

The General Fireproofing Company

2308 LOGAN AV., YOUNGSTOWN, OHIO

BRANCHES—Boston, New York, Philadelphia, Seattle, Cleveland, Chicago, Minneapolis, St. Louis, Atlanta, Los Angeles, San Francisco, Toronto.

Dealers in all Principal Cities.

Export Dept. 438 Broadway, New York City

Filing Cabinets & Devices—Cont.

GENERAL FIREPROOFING CO. (THE), 2308 Logan av, Youngstown, O.
See adv index at end of book

General Machine Works, York, Pa.

GLOBE-WERNICKE CO. (THE) (Sectional Wood & Steel), 25 Carthage av, Cincinnati, Ohio
See adv index at end of book

Gunn Furniture Co., Grand Rapids, Mich.

Hart & Hutchinson Co. ("H. & H." Steel), Corbin av, New Britain, Conn.

Heller P. A. & Sons, 213 State, Detroit, Mich.

Herring-Hall-Marvin Safe Co., Hamilton, Ohio

Hobart Bros. Co., Troy, N. Y.

Ideal Desk Co. (Wood), Auburn, Me.

Imperial Methods Co., 750 S. Circle av, Forest Park, Ill.

Imperial Steel Cabinet Co. (Steel), 2144 Fulton, Chicago, Ill.

INDEX VISIBLE, INC. ("Index Visible"), 441 Chapel, New Haven, Conn.

Invincible Metal Furniture Co., Manitowoc, Wis.

Jenkins Bros. Co. ("J. B."), 422 Boyd, Los Angeles, Cal.

Keyless Lock Co. (Steel), Indianapolis, Ind.

Keller & Smith Co., 21 Howard, New York

Kohlhaas Co. ("Kohlhass" Sorting Devices and Card Systems), 183 N Dearborn, Chicago, Ill.

Lewis F. J. Mfg. Co., Moline, Ill.

Library Bureau ("Library Bureau," Metallic & Wood), Dept. H, Cambridge, Mass.

Lundstrom C. J. Mfg. Co., Little Falls, N. Y.

Macey Co. (Wood & Steel), Grand Rapids, Mich.

Melton-Rhodes Co. (Wood), Greensboro, N. C.

Metal Office Furniture Co. (Steel), Grand Rapids, Mich.

Nicoll & Co., 190-198 Hooper, San Francisco, Cal.

Ohmer's M. Sons Co., Dayton, O.

Otsego Furniture Co. (Upright Filing Cabinets only), Otsego, Mich.

Postindex Co. ("Costmeter"), 373 Broadway, Boston, Mass.

Rand Co., No Tonawanda, N. Y.

RAPID ADDRESSING MACHINE CO., 32 W. 23rd, New York
See adv index at end of book

Ravenswood Office Specialties Co. (Stenographer Stationery Files), 1800 Newport av, Chicago, Ill.

Rockwell-Barnes Co., 823 S Wabash av, Chicago, Ill.

ROSS-GOULD ("Kleradesk"), 310 N 10th, St. Louis, Mo.

Schwartz Sectional System (Chemical & Druggists), Indianapolis, Ind.

Shaw-Walker Co., Muskegon, Mich.

Shelbyville Desk Co. (Wood), Shelbyville, Ind.

Simonson Roger A. & Co., 122 S Michigan av, Chicago, Ill.

Smead Mfg. Co. (Folder, Vertical Filing Letters), Hastings, Minn.

Steel Fixture Mfg. Co. (Metallic), Topeka, Kan.

Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book

Underwriters Safe Co., Toledo, Ohio

Universal Steel Cabinet Co., 2026 Pacific, Bklyn, N. Y.

VAN DORN IRON WORKS CO. (THE), (Steel), 2700 E. 79th, Cleveland, Ohio
See adv index at end of book

Wabash Cabinet Co. (Wood), Wabash, Ind.

Wagemaker Co. (Wood), Grand Rapids, Mich.

Watson Mfg. Co. (Metallic), Jamestown, N. Y.

Weis Mfg. Co. ("Weis," Wood & Fibre), Monroe, Mich.

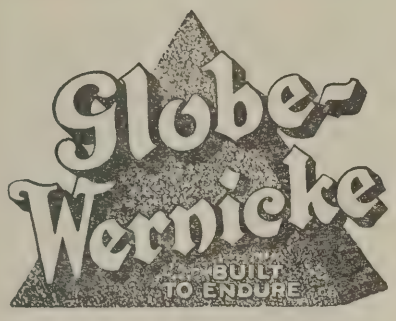


Send for the Big, Free Catalog of Office Filing Equipment, Supplies and Sectional Bookcases and booklet entitled "Filing Suggestions."

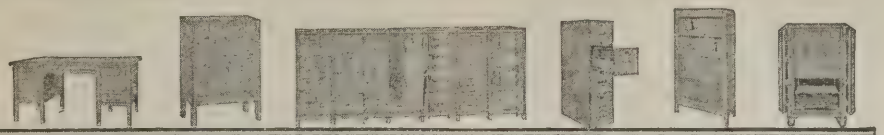
The Weis Manufacturing Co.

132 Union Street, Monroe, Michigan

A. H. Denny, Inc., 52 Park Place, New York



PRODUCTS



When in the Market for

Office Furniture, Filing Cabinets in Wood and Steel, Safes, Visible Index, Ledger Posting Trays, Steel Shelving, Stationers' Goods, Disc Record Cabinets, Sectional Bookcases, Etc.

WRITE

The Globe-Wernicke Co.

CINCINNATI, OHIO

Welch W. M. Scientific Co. (Wood), 1516 Orleans, Chicago, Ill.
Wetzel P. A. Co., Springfield, Ill.
Work-Organizer Specialty Co. ("Work-Organizer" Desk Drawer Files, etc.), 87 Jefferson av, Detroit, Mich.
Yawman & Erbe Mfg. Co. ("Yawmanote" Pockets & Folders, "Mammoth" Vertical, "Vertilex" Desk Files, "Y. & E." Direct Name System, Steel & Wood), St. Paul, Rochester, N. Y.

4706a—Filing Systems (Visible)

Acme Card System Co., 116 S Michigan, Chicago, Ill.
American Kardex Co. ("Kardex"), 281 Kardex bldg, Tonawanda, N. Y.
California Ledger Tray Co., 425 E Washington, Los Angeles, Cal.
Flack & Benedict, Inc., 344 Crocker, Los Angeles, Cal.
Index Visible Inc, 141 Chapel, New Haven, Conn.
Library Bureau, 43 Federal, **Boston, Mass.**
Postindex Co. ("Costmeter"), 373 Broadway, Boston, Mass.
Rand Co. Inc., North Tonawanda, N. Y.
Ross-Gould Co., 390 N 10th, St. Louis, Mo.
See adv index at end of book

4706b—Filing Transfer and Storage Cases

Advance Paper Box Co., 2722 Washington, St. Louis, Mo. *See adv index at end of book*
All-Steel-Equip Co. (Steel), Aurora, Ill.
See adv index at end of book
Aurora Metal Cabinet Works, Aurora, Ill.
Benton Mfg. Co., Aurora, Ill.
Globe-Wernicke Co., 25 Carthage av. Cincinnati, Ohio
See adv index at end of book

4707— Fillers (Asphalt)

Barber Asphalt Co. ("Genasco"), Land Title Bldg, Phila., Pa.
Byerly & Sons, 2489 W 4th, Cleveland, O.
Cape Girardeau Portland Cement Co. ("Eagle"), Cape Girardeau, Mo.
Certain-teed Products Corp., Boatman's Bank bldg, St. Louis, Mo.
Patton Paint Co., Milwaukee, Wis.
Servicised Products Co. ("Servicised"), First National Bank bldg, Chicago, Ill.
Standard Asphalt & Rubber Co. ("Sarco," for Deadening & Waterproofing Brick & Block Pavements), 208 S La Salle, Chicago, Ill.
Standard Oil Co., 225 Bush, San Francisco, Cal.
Standard Oil Co. ("Standard") 910 S Michigan av, Chicago, Ill.
Standard Oil Co. of New York, 26 B'way, New York
Standard Oil Co. of Ohio, E Ohio Gas bldg, Cleveland, O.
Sun Co., 1240H Finance bldg, Phila., Pa.
Texas Company (The), Dept. D, 17 Battery pl, New York
See adv index at end of book
Toledo Vitrified Brick Co., 622 Madison av, Toledo, O.
U. S. Asphalt Refining Co., 90 West, New York

4708— Fillers (Barrel)

Cleveland Steam Gauge Co. ("Watson" Automatic), 1108 W 9th, Cleveland, O.
CRANDALL CAN FILLER MACHINE CO. ("Crandall" Machines for Can, Barrel & Drum Filling), 1390 Niagara, Buffalo, N. Y.
Kelso & Co. (Automatic), 559 W Quincy, Chicago, Ill.
Moran Flexible Steam Joint Co. (Automatic), Louisville, Ky.
U. S. Bottlers' Machinery Co. ("U. S." automatic), 4015 N Rockwell, Chicago, Ill.

4709— Fillers (Cake)

Sargent & Co. ("Anger's Perfect"), New Haven, Conn.

4710—Fillers (Can, Tomato Pulp Measuring)

U. S. Bottlers' Machinery Co. (U. S.), 4015 N Rockwell, Chicago, Ill.

4710a— Fillers (Cement)

Toch Bros., 320 5th av, New York

4711— Fillers (Dry Battery)

Acheson Graphite Co. ("Acheson" Graphite), Niagara Falls, N. Y.

4712— Fillers (Egg Case)

Adams E. F., Petaluma, Cal.
Cherry J. G. Co., Cedar Rapids, Ia.
Creamery Package Mfg. Co. ("Crescent") 61 W. Kinzie, Chicago, Ill.
Crescent Paper Co., Marseilles, Ill.
North Star Egg Case Co., Quincy, Ill.
Paraffin Co.'s, Inc., 475 Brannan, San Francisco, Cal.
Piqua Cap Co., Piqua, O.

4713—Fillers (Engineers' Oil)

Eagle Mfg. Co., Wellsburg, W. Va.
GEM MFG. CO. (Brass, Copper, Plated Steel & Welded Seamed Steel), Goebel, near Fulton, Pittsburgh, Pa.
See adv index at end of book
Hall Mfg. Co., Harrison, N. J.
Hero Mfg. Co., 1421 Chestnut, Phila., Pa.
Rochester Can Co., 89 Hague, Rochester, N. Y.
Wall P. Mfg. Supply Co., 705 Preble av, N S. Pittsburgh, Pa.

4714— Fillers (Frog, Steel)

Ft. Wayne Iron Steel Rolling Mills, W Taylor, Ft. Wayne, Ind.
Illinois Steel Co., 208 S La Salle, Chicago, Ill
St. Louis Screw Co., Clarence av E., St. Louis, Mo.

4715— Fillers (Ice Can)

Burns, Jas. F., 713 Cherry, Phila, Pa.
Canton Paint & Glass Co., 324 Tuscarawas W, Canton, O.
Great Lakes Engineering Works (For Mfrs. of Artificial Ice, Automatic), Real Est. Exch. bldg, Detroit, Mich.

Fillers (Iron Casting)

See Cement, Iron & Steel Filler

4716— Fillers (Iron & Steel)

Adams & Elting Co., 1835 Seward, Chicago, Ill.
BINSWANGER B. & CO., 835 N 3d, Phila., Pa.
Brown Chas. H. Paint Co., 262 Fulton, Brooklyn, N. Y.
Felton, Sibley & Co., 136 N 4th, Phila., Pa.
Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, O.

(Continued on following page)



Van Dorn *Filing Equipment*

Steel files, steel office furniture, steel shelving and steel record safes have become largely standardized, and yet there are on the market *distinct degrees of quality* even at similar prices. The new Van Dorn line not only incorporates every construction feature that has proved valuable, but represents an exceptionally high type of skilled workmanship. This will be evident on careful examination—it will be doubly evident after the equipment has gone into service for you! May we send catalog?

THE VAN DORN IRON WORKS COMPANY
Cleveland, Ohio

Fillers (Iron & Steel)—Continued

French Samuel H. & Co., 4th & Callowhill, Phila., Pa.
Gilman Paint & Varnish Co., 517 Market, Chattanooga, Tenn.
Indianapolis Paint & Color Co. ("Capital City"), 120 S Illinois, Indianapolis, Ind.
Keystone Minerals Co. ("Keystone"), 300 Madison av, New York
Keystone Paint & Filler Co., Muncy, Pa.
King Paint Mfg. Co. (Iron), 449 Kent av, Brooklyn, N. Y.
Lawrence W. W. Co. ("Cementect"), W. Carson, Pittsburgh, Pa.
Lawrence-McFadden Co., 1400 Frankford, Phila., Pa.
Lucas John & Co., 322 Race, Phila., Pa.
Masury John W. & Son, 50 Jay, Brooklyn, N. Y.
Moore Benjamin & Co., 231 Front, Brooklyn, N. Y.
Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.
Nice Eugene E., 272 S 2d, Phila., Pa.
Patton Paint Co. ("James," "Patton"), Milwaukee, Wis.
Pecora Paint Co., 4th & Sedgley av, Phila., Pa.
Pyramid Paint Co., 133 N 22d, Phila., Pa.
Richmond Bros., 611 Main, Cincinnati, O.
St. Paul White Lead & Oil Co., Water & Starkey, St. Paul, Minn.
Sherwin-Williams Co., Cleveland, O.
Shoemaker Robt. & Co., Inc. (Iron Only), 4th & Race, Phila., Pa.
Smith Edw. & Co., 127 W. av, Long Island City, N. Y.
Suydam M. B. Co., 61st & Butler, Pittsburgh, Pa.
U. S. Gutta Percha Paint Co. ("Rice's," Corliss, Vulcan), 12-30 Dudley, Providence, R. I.
Voltax Co., 99 Reservoir av, Bridgeport, Conn.
Wadsworth-Howland Co., 225 N Carpenter, Chicago, Ill.
Wilbur J. Co. (Iron), Office, Providence, R. I.
Wilhelm A. Co. (Liquid & Paste), Reading, Pa.

4717— *Fillers (Machine)

Nice Eugene E., 272 S 2d, Phila., Pa.

Fillers (Oil)

See Fillers, Engineers' Oil

4718— Fillers (Paint)

Boston Varnish Co., Everett Station, Boston, Mass.
Ditzler Co. or Co. (For automobiles), 40 Baltimore av W, Detroit, Mich.
International Silica Co., Cairo, Ill.
Keystone Minerals Co. ("Keystone"), 300 Madison av, New York
Keystone Paint & Filler Co. ("Keystone" Black), Muncy, Pa.
Moore Benjamin & Co., 231 Front, Brooklyn, N. Y.
Patton Paint Co., Milwaukee, Wis.
St. Louis Surfacer & Paint Co. ("Metal-Steel"), Arlington & Terminal Belt Line, St. Louis, Mo.
Wainwright John C., Spring City, Pa.

4719—Fillers (Paper & Linoleum)

Macneal James B. & Co., Warner & Wooster, Baltimore, Md.
Solvay Process Co. ("Crown" Paper), Syracuse, N. Y.
U. S. Gypsum Co. ("Snow-White," "Ivory" white & gray gypsum), 205 W Monroe, Chicago, Ill.
Victor Chemical Works, Dept. H, Fisher bldg, Chicago, Ill.

4720— Fillers (Rope)

Chemical & Engineering Co. ("Red Dragon" for Belts & Rope Drivers), Watertown, N. Y.
Ironsides Co. ("Ironsides" for Wire & Fibre Rope), Columbus, O.

4721— Fillers (Silo)

Appleton Mfg. Co. ("Appleton"), Batavia, Ill.
Case J. I. Threshing Machine Co. ("Case") Racine, Wis.
Ironwood Mfg. Co. ("Cyclone"), Bellefontaine, O.
Kalamazoo Tank & Silo Co., Kalamazoo, Mich.
Silver Mfg. Co. ("Ohio") ("Silver"), No. 256, Salem, O.

*Fillers (French Back)

See Back Fillers (Trench)

4722— Fillers (Wood)

Acme White Lead & Color Works, St. Aubins & M. C. R. R., Detroit, Mich.
Adams & Elting Co. ("Ad-el-ite" Liquid & Paste), 1835 Seward, Chicago, Ill.
Akron Varnish Co. (Liquid), Akron, O.
Allentown Mfg. Co. (Paste), 24 S 6th, Allentown, Pa.
Andersen Specialty Co. (Water Putty), 6 E. Lake, Chicago, Ill.
Armitage Jno. L. & Co., 54 Dawson, Newark, N. J.
Atlantic Drier & Varnish Co., Meadow & Wolf, Phila., Pa.
Blood T. L. & Co., 413 Wacouta, St. Paul, Minn.
Boydell Bros. White Lead & Color Co., 432 E Lafayette, Detroit, Mich.
Bradford Jas. Co., Wilmington, Del.
Bridge-Sullivan Mfg. Co. ("Driftwood"), 4722 Ballard av, Seattle, Wash.
Bridgeport Wood Finishing Works (Du Pont) ("Wheeler's"), Philadelphia, Pa.
Brown Chas H. Paint Co., 262 Fulton, Brooklyn, N. Y.
Buckeye Paint & Varnish Co., Toledo, O.
Buffalo Oil, Paint & Varnish Co., 24 Evans, Buffalo, N. Y.
Burdsal A. Co., Capitol & Ga., Indianapolis, Ind.
Calman Emil & Co. ("Calman's Silex" Paste), 100 William, New York
Cambria Paint & Color Co., Ltd., Johnstown, Pa.
Canton Paint & Glass Co., 324 Tuscarawas W, Canton, O.
Certain-teed Products Corp. ("Certain-teed" Liquid Paste), H Boatman's Bank bldg, St. Louis, Mo.
Chase Roberts Co. ("Kismet"), West av, Long Island City, N. Y.
Chesapeake Oil Co., Ostend & Leadenhall, Baltimore, Md.
CHICAGO VARNISH WORKS ("Wheeler's" Paste, Liquid, Wood), 2100 Elston av, Chicago, Ill.
Day Jas. B. & Co., 224 W Superior, Chicago, Ill.
Devoe & Raynolds Co., Inc., 101 Fulton, New York
Du Pont E. I. De Nemours & Co., Inc., Paint & Varnish Dept. ("Wheeler's Liquid & Paste. See Adv. at Paints), 3500 Grays Ferry rd, Phila., Pa.
See adv index at end of book
Eagle Paint & Varnish Co., 225 Galveston, Pittsburgh, Pa.
Educational Film Corp'n, 729 7th av, New York
Felton, Sibley & Co., 136 N 4th, Phila., Pa.
Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, O.
Franche C. E. & Co., 440 Orleans, Chicago Ill.
French Samuel H. & Co., 4th & Callowhill, Phila., Pa.
Gilman Paint & Varnish Co. (Liquid & Paste), 517 Market, Chattanooga, Tenn.
Glidden & Co. ("Puritan" Liquid "Japalac"), Madison & Berea rd, Cleveland, O.
Globe Iron Roofing & Corrugating Co., Dept. H, Newport, Ky.
Gold Metal Polish Co. (Paste), Racine, Wis.
Hilo Varnish Corp., Marcy & Flushing avs, Brooklyn, N. Y.
Howell Chas. H. & Co., 212 Race, Phila., Pa.
Indianapolis Paint & Color Co. ("Capital City"), 120 S Illinois, Indianapolis, Ind.
International Silica Co., Cairo, Ill.
Jamestown Wood Finishing Co., Jamestown, N. Y.
Kroeger Bros., 880 McKim, Baltimore, Md.
Lancaster Paint & Glass Co., Lancaster, Pa.
Lawrence W. W. & Co. ("Cementect"), W Carson, Pittsburgh, Pa.
Lawrence-McFadden Co., 1400 Frankford, Phila., Pa.
Lincoln Paint & Color Co. ("Paragon"), Lincoln, Neb.
McCloskey Varnish Co., 30th & Locust, Phila., Pa.
Marietta Paint & Color Co., Marietta, O.
Masury John W. & Son, 50 Jay, Brooklyn, N. Y.
Mayer & Loewenstein ("Flint Filler"), 164 Water, New York
Mepham G. S. & Co., 20th & Lynch, East St. Louis, Ill.
Mound City Paint & Color Co., 11th & Mullanphy, St. Louis, Mo.
Murphy Varnish Co. (Liquid & Mineral Paste), 224 McWhorter, Newark, N. J.
Nice Eugene E. ("Nice"), 272 S 2d, Phila., Pa.
O'Brien Varnish Co. ("Adamantean"), 101 W Johnson, South Bend, Ind.
Patton Paint Co. ("Tector"), Milwaukee, Wis.
Phoenix Paint & Varnish Co., 124 Market, Phila., Pa.
Pomerroy & Fischer, 95 Madison av, New York
Pyramid Paint Co., 133 N 22d, Phila., Pa.
Richmond Bros. ("Save-a-Coat"), 616 Main, Cincinnati, O.
Rutland Fire Clay Co. ("Rutland"), Rutland, Vt.
St. Louis Surfacer & Paint Co., Arlington & Terminal Belt Line, St. Louis, Mo.
St. Paul White Lead & Oil Co., Water & Starkey, St. Paul, Minn.
Sherwin-Williams Co., Cleveland, O.
Shoemaker R. & Co., 4th & Race, Phila., Pa.
Smith Edw & Co., 127 West av, Long Island City, N. Y.
Suydam M. B. Co., 61st & Butler, Pittsburgh, Pa.
Thomson Wood Finishing Co., 529 N. 3rd, Phila., Pa. *See adv index at end of book*
Valentine & Co., 456 4th av, New York
Wadsworth-Howland & Co. ("Bay-State"), 141 Federal, Boston, Mass.
Waterall Wm. & Co., Inc., Camden, N. J.
Waterproof Paint Co., Watertown, Mass.

4722a— Fillet (Emery)

Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

4723— Fillet (Patternmakers')

Brodin Pattern & Supply Works (Wood & Composition), 2420 W 16th, Chicago, Ill.
Butler A. G. Inc., 158 Chambers, New York
Chain Products Co. (Leather & Wood Precision), H E Cooper av, Cleveland, O.
Combined Supply & Equipment Co, Inc., 766-772 Grant av, Buffalo, N. Y.
Hawker W. S. Mfg. Co., 458 E. Bacon, Dayton, O.
Knight H. W. & Son (Leather & Wood), Seneca Falls, N. Y.
Nott W. S. Co. (Leather), 2d av N & 3d, Minneapolis, Minn.
Oliver Machinery Co., Grand Rapids, Mich.
Page Belting Co. (Leather & Wood), Concord, N. H.
Pittsburgh Filter & Engng. Co., H Farmers Bank bldg, Pittsburgh, Pa.
Risbridger Fillet Co. (Patent Paper & Pulp), 5415 St. Clair av, Cleveland, O.
Shanafelt Mfg. Co. ("Belding" Leather, Obtuse Angle Wood), Canton, O.
Tennison G. E. (Leather), 311 Main, Cincinnati, O.
Timmis & Clissold (Leather & Wood), Bound Brook, N. J.
Wellman Products Co. ("Crescent" Wood & Leather), 1444 E 49th, Cleveland, O.

4724—Fillings (Chemical Tower)

See also Stoneware, Chemical

Graham Chas. Chemical Pottery Wks., 986 Met. av, Brooklyn, N. Y.
Weeks Arthur J., Akron, O.

Films (Industrial Motion Picture)

See Motion Pictures (Educational & Industrial)

4725—Films (Moving Picture)

See also Moving Picture Machines

Biograph Co., 807 E 175th, New York
DU PONT E. I. DE NEMOURS & CO., INC. (Chemical Products Div.) (See Adv at Chemicals), Parlin, N. J.
See adv index at end of book
Edison Thomas A., Orange, N. J.
Essanay Film Mfg. Co., 1333 Argyle, Chicago, Ill.
Famous Players Lasky Corpn., 485 5th av, New York
Gaumont News & Graphic Co., Congress av, Brooklyn, N. Y.
Kansas City Slide Co. (Advertising Cartoons), New bldg, Kansas City, Mo.
Miles Bros. (Advtg., Industrial & Educ'l), 1145 Mission, San Francisco, Ill.
N. Y. Motion Picture Corp., 1459 Broadway, New York
Pathe Exchange, 25 W 45th, New York
Universal Film Mfg. Co., 1600 Broadway, New York
Vitagraph Co. of Am., E 15th, Brooklyn, N. Y.
World Film Corp., 150 W 46th, New York

4725a—Films & Plates (Photographic)

Am. Dry Plate Co. (Ferrotype & tintype for Positive Pictures), 75 Mill, Worcester, Mass.
Cruver-Peters Co., 825 Washington av, Chicago, Ill.
Eastman Kodak Co., Rochester, N. Y.
Hammer Dry Plate Co., Ohio av & Miami, St. Louis, Mo.
Positype Corp. of Am. ("Direx"), Detroit & Sloan av, Cleveland, O.

4725b—Filter Bags (All Kinds)

STANLEY WM. W. (All kinds and all materials), 62 White, New York

4725c— Filter Mass

Angel H. Reeve & Co., Inc., 7 Spruce, New York
Wentink Mfg. Corp., Menasha, Wis.

4725d— Filter Mass (Asbestos)

Asbestos Materials Corp., Millington, N. J.
Keasbey & Mattison ("Kaynum"), Ambler, Pa.

Filter Sacks

See Bags, Filters

4725e— Filtering Materials

Angel H. Reeve & Co., Inc., 7 Spruce, New York
Celite Products Co. ("Filter-Cel"), 53 W Jackson blvd, Chicago, Ill.
Filtrine Mfg. Co. ("K"), 53 Lexington, Brooklyn, N. Y.
Mineral Products Co., H. W. Hellman bldg, Los Angeles, Cal.

4726—Filtering & Purifying Plants Installed

See also Water Softening & Purifying Apparatus

Am. Water Softener Co. ("American"), 4th & Lehigh, Phila., Pa.
Boston Filter Co. ("Boston"), **Chelsea, Mass.**
Bowser S. F. & Co. (Oil), Ft. Wayne, Ind.
California Filter Co., 456 California, San Francisco, Cal.
Dodge Mfg. Corp., Mishawaka, Ind.
Graver Corp., 4020 Todd av, E. Chicago, Ind. *See adv index at end of book*

WATER FILTERS
Pressure and Gravity Filters For Any requirements.
Pressure Filters follow Standards of Associated Mfgrs. of Water Purifying Equipment.
Quartz Filter Medium with Air Wash.
Complete Swimming Pool Systems
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4020 Todd Ave., East Chicago, Ind.

Hammond Engineering Co. (Water, Sewages, etc), Warren, Pa.
International Filter Co., 333 W. 25th pl, Chicago, Ill.
Hygeia Filter Co., 338 Denton, Detroit, Mich.
International Filter Co., 38 S Dearborn, Chicago, Ill.
New York Continental Jewell Filtration Co., Nutley, N. J.
Norwood Engineering Co. ("Wilson"), Florence, Mass.
PAIGE & JONES CHEMICAL CO. ("Paige-Jones"), 80 Marble, Hammond, Ind. *See adv index at end of book*
Richmond Water Softener Co. ("Fetta" Hot or Cold Process), Richmond, Ind.
Roberts Filter Mfg. Co., 6th & Columbia av, Darby, Phila., Pa.
SCAIFE WM. B. & SONS CO. ("Scaife" & "We-Fu-Go" Systems), First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York *See adv index at end of book*
Standard Water Systems Co., ("Tripure"). Hampton, N. J.

4726a— Filters

See also Cloths (Filter)
(Names with * also manufacture Monel Metal)

Bastian-Blessing Co., 240 E Ontario, Chicago, Ill. *See adv index at end of book*
*Bryden & Dickey, 22 E 16th, New York
*Filtration Engineers, Inc., 253 Broadway, New York
General Filtration Co., Rochester, N. Y.
Graver Corp., 4020 Todd av, E. Chicago, Ind. *See adv index at end of book*
*Industrial Filtration Corp., 115 Broadway, New York
INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal) *See adv index at end of book*
Lancaster Iron Works ("Lancaster"), Lancaster, Pa.
*Oliver Continuous Filter Co., 503 Market, San Francisco, Cal.
*United Filters Co., 25 Broadway, New York
*Vallez Rotary Filters, Bay City, Mich.

4727—Filters (Acetylene Gas)

MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Western Brass Mfg. Works, Marshall bl & W 21st, Chicago, Ill.

4728— Filters (Air)

BINKS SPRAY EQUIPMENT CO., 3129 Carroll av, Chicago
Eclipse Air Brush Co., 79 Orange, Newark, N. J.
Griscom-Russell Co. (Aerating "Reilly"), 92 West, New York *See adv index at end of book*
MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Northern Blower Co. (The), Denison & W 65th, Cleveland, O. *See adv index at end of book*

4729— Filters (Ale & Beer)

Kiefer Karl Machine Co., 919 Martin, Cincinnati, O.
Loew Mfg. Co. ("Loew"), 9100 Madison av N. W, Cleveland, O.
Zahm Mfg. Co., 79 E Jewett av, Buffalo. N. Y.

4729a— Filters (Automatic)

Clark Dust Collecting Co., Fisher Bldg., Chicago, Ill.
Oliver Continuous Filter Co. ("Oliver"), 503 Market, San Francisco, Cal., & 33 W 42d, New York

4730— Filters (Bag)

American Felt Co., 211 Congress, Boston, Mass.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y. *See adv index at end of book*
Conklin H. R., Joplin, Mo.
Haubtman & Loeb Co., Ltd., 618 Magazine, New Orleans, La.
Humphry's R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Kilby Mfg. Co., 4623 Lakeside av, Cleveland, O.
Murphy John H. Iron Works, 643 Magazine, New Orleans, La.
Squier Geo. L. Mfg. Co. (Sand), B'way & Mortimer, Buffalo, N. Y.
Stanley W. W., 62 White, New York

4731— Filters (Bone Black)

Haubtman & Loeb Co., Ltd., 618 Magazine, New Orleans, La.
Joubert & Goslin Mach. & Fdry. Co., 800 N 35th, Birmingham, Ala.
Scaife Wm. B. & Sons Co., 1st Natl. Bank bldg, Pittsburgh, Pa., & 26 Cortlandt New York *See adv index at end of book*
Squier Geo. L. Mfg. Co., B'way & Mortimer, Buffalo, N. Y.

4732—Filters (Carbon, For Gas Works)

Merrill Co. ("Merrillite"), 121 2nd, San Francisco, Cal.
Oliver Continuous Filter Co. ("Oliver"), 503 Market, San Francisco, Cal., & 33 W 42d, New York

4733— Filters (Charcoal)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y. *See adv index at end of book*
Hygeia Filter Co., 338 Denton, Detroit, Mich.
Loomis-Manning Filter Distributing Co., 37th & Reed, Phila., Pa.
New York Continental Jewell Filtration Co., Nutley, N. J.
Roberts Filter Mfg. Co., 6th & Columbia av, Darby, Phila., Pa.
SCAIFE WM. B. & SONS CO. (Combination Charcoal & Sand), **First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York.** *See adv index at end of book*
Triumph Ice Machine Co., Oakley, Cincinnati, O.

4734— Filters (Clarifying)

Johnson John Co., 37th & 2nd av, Brooklyn, N. Y.
Morrill Co., 121 2nd, San Francisco, Cal.
Oliver Continuous Filter Co. ("Oliver"), 503 Market, San Francisco, Cal., & 33 W 42d, New York
Paige & Jones Chemical Co. ("Paige-Jones"), 80 Marble, Hammond, Ind. *See adv index at end of book*
Vandercook A. E. Engineering Co., 621 California, Sacramento, Cal.

4735— Filters (Concentrate)

Oliver Continuous Filter Co. ("Oliver"), 503 Market, San Francisco, Cal., & 33 W 42d, New York

Filters (Cyanide)

See Filters, Slime

4735a— Filters (Dewatering)

Oliver Continuous Filter Co., 503 Market San Francisco, Cal., & 33 W 42d, New York
Vandercook A. E. Engineering Co., 621 California, Sacramento, Cal.

4736— Filters (Faucet)

Champion Hardware Co. ("Champion," Germ Proof), Geneva, O.
Haydenville Co., Haydenville, Mass.
Hygeia Filter Co., 338 Denton, Detroit. Mich.
Jones Mfg. Co., 243 Franklin, Boston, Mass
Landers, Frary & Clark ("Crown"), New Britain, Conn.
Loeber Hy G. Co., 151 E 126th, New York
Loomis-Manning Filter Distributing Co., 1421 S 37th, Phila., Pa.
Roberts Filter Mfg. Co., 6th & Columbia av, Darby, Phila., Pa.
Seed Filter & Mfg. Co. ("Hygienic"), 73 Franklin, New York

4737— Filters (Feed Water)

See also Water Softening & Purifying Plants

American Mfg. Co., Dayton, Ohio
American Schaeffer & Budenberg Corp., Berry & S. 6th, Brooklyn, N. Y. *See adv index at end of book*
Am. Water Softener Co. ("American"), 4th & Lehigh av., Phila., Pa.
Blackburn-Smith Corp., 109 W 40th, New York
California Filter Co., 465 California, San Francisco, Cal.
Colles Heater & Specialty Co., 549 W Washington blvd, Chicago, Ill.
Day, Geo. F. & Son, Rialto Bldg., San Francisco, Cal.
Elliot Co., Dept. H, Jeanette, Pa.
General Engineering Co., 717 S Front, Phila., Pa.
Graver Corp., 4020 Todd av, E. Chicago, Ind. *See adv index at end of book*

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Quartz Filter Medium with Air Wash.
Complete Swimming Pool Systems
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4020 Todd Ave., East Chicago, Ind.

GRISCOM-RUSSELL CO. ("G. R." Multiscreen Filler & Grease Extractor), 92 West, New York *See adv index at end of book*

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THE
GRISCOM-RUSSELL CO.
92 West Street New York

Hygeia Filter Co., 338 Denton, Detroit, Mich.
International Filter Co., 333 W. 25th pl, Chicago, Ill.
Loomis-Manning Filter Mfg. Co., 37th & Reed, Phila., Pa.
McNally Robt. J., 18 W Chelton, Phila., Pa.
New York Continental Jewell Filtration Co., Nutley, N. J.
Norwood Engineering Co. ("Wilson"), Florence, Mass.
PAIGE & JONES CHEMICAL CO. ("Paige-Jones"), 80 Marble, Hammond, Ind. *See adv index at end of book*

WATER SOFTENING AND FILTRATION
Paige & Jones Chemical Co.
Incorporated
80 Marble St. HAMMOND, IND.
248 Fulton St. NEW YORK

Platt Iron Works Co., Dayton, O.
Red Cross Filter Co., 326 W Washington, Chicago, Ill.
Roberts Filter Mfg. Co., 6th & Columbia av, Darby, Phila., Pa.
Ross Valve Mfg. Co. ("Railton-Campbell"), **9 Oakwood av, Troy, N. Y.**
SCAIFE WM. B. & SONS CO., First National Bk. bldg, Pittsburgh, Pa., & 26 Cortlandt, New York *See adv index at end of book*
Standard Water Systems Co., Hampton, N. J

4738— Filters (Gasoline)

American Oil Pump & Tank Co. ("American"), Findlay & Dalton, Cincinnati, O.
Bowser S. F. & Co., Fort Wayne, Ind.
Entorf Filter Co., Amboy, Ill.
Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.
Johnston Wm. R. Mfg. Co. ("Johnston"), 1300 Fletcher, Chicago, Ill.
Paige & Jones Chemical Co. ("Paige-Jones"), 80 Marble, Hammond, Ind. *See adv index at end of book*
Tokheim, John J. Co., Cedar Rapids, Ia.
Wilcox, Crittenden & Co., Inc. ("Gray"), 444 S. Main, Middletown, Conn. *See adv index at end of book*

4739—Filters (Gravity & Pressure)

Boston Filter Co. ("Boston"), Chelsea, Mass.
California Filter Co., 465 California, San Francisco, Cal.
Cummings Filter Co. (Pressure Only), 2701 Liberty av, Pittsburgh, Pa.
Field Force Pump Co. ("Carter's" Pressure Only), Elmira, N. Y.
Graver Corp., 4020 Todd av, E. Chicago, Ind. *See adv index at end of book*
HAMMOND IRON WORKS, Warren, Pa. *See adv index at end of book*
Hygeia Filter Co., 338 Denton, Detroit, Mich.
International Filter Co., 333 W. 25th pl, Chicago, Ill.
Loomis-Manning Filter Distributing Co. (Pressure Only), Reed & 37th, Phila., Pa.
New York Continental Jewell Filtration Co., Nutley, N. J.
Norwood Engineering Co. ("Wilson"), Florence, Mass.
Paige & Jones Chemical Co. ("Paige-Jones"), 80 Marble, Hammond, Ind. *See adv index at end of book*
Power Plant Specialty Co., 442 S Dearborn, Chicago, Ill.
Roberts Filter Mfg. Co., 6th & Columbia av, Darby, Phila., Pa.
SCAIFE WM. B. & SONS CO., First National Bk. bldg, Pittsburgh, Pa., & 26 Cortlandt, New York *See adv index at end of book*

4739a— Filters (Industrial)

Boston Filter Co. ("Boston" Ice Making), Chelsea, Mass.
Dover Boiler Works; Sales Office, 40 Church, New York; Works, Dover, N. J. *See adv index at end of book*
Graver Corp., 4020 Todd av, E. Chicago, Ind. *See adv index at end of book*
Oliver Continuous Filter Co. ("Oliver"), 503 Market, San Francisco, Cal., & 33 W 42d, New York
Paige & Jones Chemical Co. ("Paige-Jones"), 80 Marble, Hammond, Ind. *See adv index at end of book*
Scaife Wm. B. & Sons Co., 1st Nat'l Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York *See adv index at end of book*
Vandercook A. E. Engineering Co., 621 California, Sacramento, Cal.

4740— Filters (Mash)

Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
Paige & Jones Chemical Co. ("Paige-Jones"), 80 Marble, Hammond, Ind. *See adv index at end of book*

4741—Filters (Mechanical, Sugar)

Dibert Bancroft & Ross Co., Ltd., Tulane & Hagan av, New Orleans, La.
Dyer Co., 2031 Euclid av, Cleveland, O.
Fulton Iron Works Co., St. Louis, Mo.
Hassell Iron Works Co., Colorado Springs, Colo.
Joubert & Goslin Mach. & Fdry. Co., 800 N 35th, Birmingham, Ala.
Kilby Mfg. Co., 4623 Lakeside av, Cleveland, O.
Krajewski-Pesant Mfg. Corp., 227 Fulton, New York
Loomis-Manning Filter Distributing Co., Reed & 37th, Phila., Pa.
Oliver Continuous Filter Co. ("Oliver"), 503 Market, San Francisco, Cal., & 33 W 42d, New York
Perrin W. R. & Co., 343 S Dearborn, Chicago, Ill.
Shriver T. & Co., Harrison, N. J.
Stearns-Roger Mfg. Co., 1720 California, Denver, Colo.
Sugar Machinery Co., 129 W. 2nd, Los Angeles, Cal.
Von Phul Gilbert D., Hibernia Bank bldg, New Orleans, La.
Wayte W. J. Inc. (Dirs.), Grand Central Terminal, New York

4742— Filters (Oil)

Akron Belting Co. ("Krotz"), Akron, O.
ANDERSON V. D. CO. ("Andersen"), W 96th, Cleveland, O. *see adv index at end of book*
Bonar Jas. & Co. ("Bonar"), Park bldg., Pittsburgh, Pa.
Bousman Mfg. Co., Grand Rapids, Mich.
Bowser S. F. & Co., Fort Wayne, Ind.
Burke Furnace Co. ("Burke"), 320 E Water, Chicago, Ill.
BURT MFG. CO. ("Cross," "Warden," "American," "Burt"), 40 Main, Akron, Ohio *See adv index at end of book*

"BURT"—"WARDEN"
"AMERICAN"
"CROSS"
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40 Main St., AKRON, OHIO

Canton Grate Co. ("Canton"), Canton, O.
Chesterton A. W. Co. ("Chesterton") 64 India, Boston, Mass.
COLONIAL SUPPLY CO., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Columbiana Boiler Co., Columbiana, O.
Day Co. ("Bryant" Automatic), 1004 Lyndale, Minneapolis, Minn.
De Laval Steam Turbine Co. (Centrifugal), E. Trenton, N. J. *See adv index at end of book*
Elmes Chas. F. Engineering Works (Hydraulic), Fulton & Sangamon, Chicago, Ill. *See adv index at end of book*
Entorf Filter Co., Amboy, Ill.
Flower Walter L. Co. ("Acme"), 307 S 8th, St. Louis, Mo.
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa. *See adv index at end of book*
Gallaway G. W. ("Economy"), 323 Pearl New York
GLOBE MARINE ENGINE CO. (& Oiling Systems), 15 Whitehall, New York
Godfrey Keeler Co., 70 Warren, New York
Hall Mfg. Co. ("Hall," "Bartow Duplex," for Waste Oil), Harrison, N. J.
Handlan-Buck Mfg. Co. ("Superior"), 210-14 N 3rd, St. Louis, Mo.
Houghton E. F. & Co. (The "Houghton"), 240 W Somerset, Phila., Pa.
Huyette Paul B. Co. ("Sims"), 5 S. 18th, Phila., Pa.
Johnson John Co., 37th & 2nd av, Brooklyn, N. Y.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
National Separator & Machine Co., 739 Boylston, Boston, Mass.
National Valve & Mfg. Co., 31st & Liberty, Pittsburgh, Pa.
Nugent Wm. W. & Co., 410 N Hermitage, Chicago, Ill.
Nusbaum F. A. ("Columbus"), 219 Ruffner, Lockland, O.
OIL & WASTE SAVING MACHINE CO. (Turbine Centrifugal), Real Estate Trust bldg, Phila., Pa. *See adv index at end of book*

Oil & Waste Saving Machine Co.
PHILADELPHIA, PA.
Oil Reclaiming Machines
Waste Reclaiming Machines
Chip Separators, Oil Filters

Packer John H., Liberty, Mo.
Pittsburgh Gage & Supply Co., 30th & Liberty, Pittsburgh, Pa.
Pittsburgh Sheet Metal Co., S 20th & Wharton, Pittsburgh, Pa.
Reeves Bros. Co., Alliance, Ohio *See adv index at end of book*
Seehansen Wehrs & Co., 179 N Franklin, Chicago, Ill.
Sexton Can Co. ("Sexton's" Improved), 123 Broad, Boston, Mass.
Sims Co. ("Sims"), 18th & Whitley av, Erie, Pa.
Spaulding & Metcalf ("American" Automatic), 532H Arch, Phila., Pa.
Stanley W. W., 62 White, New York
Turner Oil Filter Co. ("Turner"), Niles, Mich.
United Filters Corp. (The "Ten Winkel" Oil & Water Filter & Extractor), Felt bldg, Salt Lake City, Utah
Western Blower Co., 1800 9th av, Seattle, Wash.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.
Wieben John Co., 2051 Lexington av, New York
Wisconsin Foundry & Machine Co. ("Badger"), Madison, Wis.
Wright-Austin Co., 97 Woodbridge, W Detroit, Mich.

Filters (Oil, from Metal Chips)

See Separators, Centrifugal

4743— Filters (Oil Refiners')

HAMMOND IRON WORKS, Warren, Pa. *See adv index at end of book*
Stanley W. W., 62 White, New York
Struthers-Wells Co., Warren, Pa.

Filters (Pressure)

See Filters, Gravity & Pressure

4743a— Filters (Pulp)

Lungwitz Emil E., 90 West, New York
Oliver Continuous Filter Co., 503 Market, San Francisco, Cal.
Ordway Chas. ("Ordway Yaryan"), 25 Church, New York
U. S. Bottlers Machinery Co. ("U. S." for Liquids), 2511 Park av, Chicago, Ill.

4744— Filters (Rain Water)

Boston Filter Co. ("Boston"), Chelsea, Mass.

4744a— *Filters (Salt)

Industrial Filtration Corp., 115 B'way, New York

4745— Filters (Sand)

Am. Water Softener Co., 4th & Lehigh, Phila., Pa.
Cal. Filter Co., 465 California, San Francisco, Cal.
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Hygeia Filter Co., 338 Denton, Detroit, Mich.
International Filter Co., 333 W. 25th pl, Chicago, Ill.
Kilby Mfg. Co., 4623 Lakeside av, Cleveland, Ohio
Loomis-Manning Filter Distributing Co., Reed & 37th, Phila., Pa.
New York Continental Jewell Filtration Co., Nutley, N. J.
Oliver Continuous Filter Co. ("Oliver"), 503 Market, San Francisco, Cal., & 33 W 42nd, New York
Paige & Jones Chemical Co. ("Paige-Jones"), 80 Marble, Hammond, Ind. *See adv index at end of book*
Roberts Filter Mfg. Co., 6th & Columbus av, Darby, Pa.
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York *See adv index at end of book*

4746— Filters (Slime)

Chalmers-Williams Mfg. Co. ("Burt" Rapid & Revolving Cyanide Filters), 1461 Arnold, Chicago Heights, Ill.
Chicago Bridge & Iron Works, 2100 Old Colony bldg, Chicago, Ill. *See adv index at end of book*
Colorado Iron Works Co. ("Portland"), Denver, Colo.
General Filtration Co., Rochester, N. Y.
Glamorgan Pipe & Foundry Co. (Continuous Rotary Vacuum), Lynchburg, Va.
Hammond Iron Works, Warren, Pa. *See adv index at end of book*
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Merrill Co. ("Merrill" Automatic Sluicing Pressure), 121 2nd, San Francisco, Cal.
Oliver Continuous Filter Co. ("Oliver"), 503 Market, San Francisco, Cal., and 33 W 42nd, New York
Shriver T. & Co., Harrison, N. J.
Taylor Fdry & Engng. Co. (Vacuum), Grass Valley, Cal.
United Filters Corp., Felt bldg., Salt Lake City, Utah
Vandercook A. E. Engineering Co., 621 California, Sacramento, Cal.

4746a— Filters (Suction)

Clark Dust Collecting Co., Fisher bldg., Chicago, Ill.
General Ceramics Co. (Stoneware), 50 Church, New York
Knight Maurice A. (Stoneware), Akron, Ohio
Northern Blower Co. (The), Denison & W 65th, Cleveland, O. *See adv index at end of book*
Oliver Continuous Filter Co. (Rotary), 503 Market, San Francisco, Cal.
United Filters Corp. (Rotary), 36 Flatbush av, B'klyn, N. Y.
Vandercook A. E. Engineering Co., 621 California, Sacramento, Cal.

4747— Filters (Tea & Coffee)

Craw Wm. N. Mfg. Co., South Norwalk, Conn.
Hamblin & Russell Mfg. Co. ("Triumph"), Worcester, Mass.
Silex Co. of Mass. ("Silex"), 926 Eastern av, Boston, Mass.

4748— Filters (Tripoli)

Am. Tripoli Co. ("Seneca Standard" "Syphon Filters" Plug & Drip Filter Stones), Seneca, Mo.
Hygeia Filter Co., 338 Denton, Detroit, Mich.
Klemm & Co., 1364 Grand av, Chicago, Ill.
Roberts Filter Mfg. Co., 6th & Columbia av, Darby, Phila., Pa.
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York *See adv index at end of book*

Filters (Vacuum)

See Filters, Slime

4748a— Filters (Washing)

Oliver Continuous Filter Co., 503 Market, San Francisco, Cal.

Filters (Waste Oil)

See Filters, Oil

4749— Filters (Water)

See also Filters, Feed Water
Albright Aerating Filter Co. (for Cisterns & Open Wells), Muncie, Ind.
Allen Filter Co., Toledo, O.

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American Sterilizer Co., Erie, Pa.
American-Water Softener Co., 10th & Chestnut, Phila., Pa.
Atlantic Filter Co. ("Paddock"), 2248 Main, Buffalo, N. Y.
Berkefeld Filter Co. (A. Giese), 162 William, New York
Best & Co., 320 Market, San Francisco, Cal.
Bishop & Babcock Co. ("Eureka"), 1204 E 55th, Cleveland, O.
Boston Filter Co. ("Boston" Water Purifier), Chelsea, Mass.
Buffalo Mach. Mfg. Co., 1354 West av, Buffalo, N. Y.
Buhring Water Purifying Co., 68 Murray, New York
Butler Mfg. Co., 1228 Eastern av, Kansas City, Mo.
Cal. Filter Co., 465 California, San Francisco, Cal.
Cal. Jewell Filter Co., H Merchants Exchange bldg., San Fracisco, Cal.
Centadrink Filters Co., 18 W 18th, New York
Champion Hardware Co. ("Champion" Germ Proof), Geneva, O.
Cleveland Stamping & Tool Co. (Enameled), E 53rd & Hamilton, Cleveland, O.
Consolidated Filters Co., 794 10th av, New York
Crystal Filter Co., 1518 W Slauson, Los Angeles, Cal.
Cummings Filter Co. (Bone Black Only), 2701 Liberty av, Pittsburgh, P
Elec. Water Sterilizer & Ozone Co. (Mechanical & Electrolytic), Scottdale, Pa.
Elliot Co., Dept. H, Jeanette, Pa.
Everson Filter Co. ("Everson," "Double Service," "Leader," "Bone Black," "Quartz," "Piritan," "Granular," "Michigan," "Erie"), 70 W Lake, Chicago, Ill.
Filtrine Mfg. Co. ("K."), 53 Lexington, B'klyn, N. Y.
Fulper Pottery Co. (Portable Natural Stone, Germ Proof), Flemington, N. J.
General Engineering Co., 717 S Front, Phila., Pa.
Graver Corp., 4020 Todd av, E. Chicago, Ind. *See adv index at end of book*
Greer Chemical Co. ("Greer's Improved), 20 W. Jackson blvd, Chicago, Ill.
Griscom-Russell Co. ("Reilly" Aerating Charcoal), 92 West, New York
See adv index at end of book
Houchin Thos. W. Co., 393 Broadway, New York
Hungerford & Terry Inc. ("Hungerford" Filters for Mills), Dept. H, Clayton, N. J.

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Quartz Filter Medium with Air Wash.
Complete Swimming Pool Systems
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Hygeia Filter Co., 338 Denton, Detroit, Mich.
International Filter Co., 333 W. 25th pl, Chicago, Ill.
Imperial Filter Mfg. Co., 1007 Locust, St. Louis, Mo.
Jones Mfg. Co. ("Croton," "Model 1," "Model 2," "No Splash," "Gem," "Hub," "Modern," "Mystic"), 243 Franklin, Boston, Mass.
Joslyn Filter Co., 63 5th av, New York
Klemm & Co. ("National"), 1364 Grand av, Chicago, Ill.
Knoble Filter Co., 1537 Clybourn av, Chicago, Ill.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Loeber H. G. Co., 151 E. 126th, New York
Loomis-Manning Filter Distributing Co. ("Federal," "Manhattan" & "Loomis Manning"), Reed & 37th, Phila., Pa.
Moore & White Co. ("Fullner" for Paper & Pulp Mills), N 15th & Lehigh av, Phila., Pa.
National Percolater Co. Inc. ("Duplex"), Los Angeles, Cal.
New York Continental Jewell Filtration Co., Nutley, N. J.
Norwood Engineering Co., Florence, Mass.
PAIGE & JONES CHEMICAL CO. ("Paige-Jones"), 80 Marble, Hammond, Ind.
See adv index at end of book

WATER FILTERS
For all industrial and household purposes.
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Incorporated
80 Marble St. HAMMOND, IND.
248 Fulton St., NEW YORK

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Rapid Safety Filter Co., 92 Pine, New York
Reisert Automatic Water Purifying Co., 23 E 26th, New York
Rex Filter Co., 162 William, New York
Roberts Filter Mfg. Co. (For Every Purpose), 6th & Columbia av, Darby, Phila., Pa.
SCAIFE WM. B. & SONS CO. (For Dwellings, Hotels, Hospitals, etc.), First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
Union Filter & Novelty Co. ("Disc Felt Neptune"), 73 Franklin, New York
United Filters Corp., Felt bldg, Salt Lake City, Utah
Watson N. A., Erie, Pa.
Welsh Wm. ("Star"), 2733 Arbor av, Hyde Pk., Cincinnati, O.

4750-1—Filters (Water, Portable)

Boston Filter Co. ("Boston"), Chelsea, Mass.
Buffalo Mach. Mfg. Co., 1354 West av, Buffalo, N. Y.
Deane E. L. Machine Co. ("Wilson" House), Holyoke, Mass.
Hygeia Filter Co., 338 Denton, Detroit, Mich.
Linke T. ("Acorn," "Advance," Stone Tub Pressure), 235 W 46th, New York
National Percolator Co., Inc. ("Duplex"), 832 S. Los Angeles, Los Angeles, Cal.

Filters (Water, Small for Faucet)

See Filters, Faucet

4752— Finders (Center)

Goodell-Pratt Co., Greenfield, Mass.

4753— Finders (Trouble)

American Electric Co. ("Sonoscope"), 6401 S State, Chicago, Ill.
Baylis Co. (Locophone), Bloomfield, N. J.
Pilling G. P. & Son Co. ("Phonedoscope"), 23d & Arch, Phila., Pa.

4753a— *Findings (Shoe)

DU PONT E. I. DE NEMOURS & CO., INC. (Fabrikoid Div., Newburgh, N. Y.
See adv index at end of book
JOHNSTON J. W. (Fluid), Neu Artz bldg, Rochester, N. Y.

4754— Finger Cots (Rubber)

Canton Rubber Co., 211 7th S E, Canton, O.
Davidson Rubber Co., Boston, Mass.
Davol Rubber Co., 69 Point, Providence, R. I.
Dunbar Mfg. Co., South River, N. J.
Faultless Rubber Co., Ashland, O.
Goodrich B. F. Co., Akron, O.
Miller Rubber Co., Akron, O.
Parker-Stearns & Co. (Pure Para), 286 Sheffield av, Brooklyn, N. Y.
Realty Rubber Co., Massillon, O.
Rubber Products Co., Barberton, O.
Seamless Rubber Co., Hallock av, New Haven, Conn.
Tyer Rubber Co., Andover, Mass.

4755-6-7—Fingers (Controller)

Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.
Eureka Co., North East, Pa.

For bonding and repairing fire clay or silica brick work, tile and retorts, lining ladles, making rammed-in linings, etc.
USE **HYTEMPITE**
The High Temperature Refractory Plastic Cement
Quigley Furnace Specialties Co.
26 Cortlandt Street New York

4758— Fire Clay

Acme Fire Clay Works (Flake & Dust), New Cumberland, W. Va.
Alabama Clay Products Co. (Milled), 600-614 Farley bldg, Birmingham, Ala.
Alberhill Coal & Clay Co., 208 W. 8th, Los Angeles, Cal.
American Fire Brick Co. (Ground), 1102 Monro, Spokane, Wash.
American Fire Clay Co., Am. Trust bldg, Cleveland, O.
Ancho Brick Co., Ancho, New Mexico
ASHLAND FIRE BRICK CO., Ashland, Ky.
Atlas Fire Brick Co., Box 938, Huntington Park, Los Angeles, Cal.
Ayers Mineral Co., Zanesville, O.
Baltimore Terra Cotta Works (Ground & in Bulk), 1300 Covington, Baltimore, Md.
Bannon P. Pipe Co. (Ground), Louisville, Ky.
Berry James E., Woodbridge, N. J.
Bickford Fire Brick Co. (In Bulk or Sacks), Curwensville, Pa.
Big Savage Fire Brick Co. (Ground & Screened), Frostburg, Md.
Borgner Cyrus Co., Drexel bldg, Phila., Pa.
Brooklyn Fire Brick Works, 88 Van Dyke, Brooklyn, N. Y.
Buckeye Fireclay Co. (Ground, etc.), Uhrichsville, O.
C. & B. Clay Co., Canton, O.
California Mineral Products Co., Kohl bldg., San Francisco, Cal.
Cambria Clay Co., Patton, Pa.
Canneiton Sewer Pipe Co. (Ground in Bags), Canneiton, Ind.
Cannon & Co., North Sacramento, Sacramento, Cal.
Catlin R. H. Co. (Powdered), Wilmington, Del.
Chambers A. Reeder (Pulv.), Trenton, N. J.
Chattanooga Sewer Pipe Works, W 11th & Cross, Chattanooga, Tenn.
Chicago Fire Brick Co., 133 W Washington, Chicago, Ill.
Chicago Retort & Fire Brick Co., Ottawa, Ill.
Clark N. & Sons, 116 Natoma, San Francisco, Cal.
Claycraft Mining & Brick Co., Hartman bldg, Columbus, O.
Crescent Refractories Co., Curwensville, Pa.
Denny-Renton Clay & Coal Co., Seattle, Wash.
Denver Fire Clay Co., Denver, Col.
Diamond Fire Brick Co. (Ground), Canon City, Colo.
Dickey W. S. Clay Mfg. Co., Kansas City Mo.
Dover Fire Brick Co., Cuyahoga bldg, Cleveland, O.
Eastern Clay Goods Co., 141 Milk, Boston, Mass.
Edgar Bros. Co., Metuchen, N. J.
Elgin Butler Brick & Tile Co. (Pressed), Austin, Texas
Excelsior Ball Clay Co., Cincinnati, O.
Excelsior Fire Clay Co., Lisbon, O.
Farber Fire Brick Co., Farber, Md.
Federal Clay Product Co., Mineral City, O.
Fiske & Co., 115 Federal, Boston, Mass.
Fuerst Bros. & Co., 2 Stone, New York
Funsten Clay Products Co., 55 New Montgomery, San Francisco, Cal.
GARFIELD FIRE CLAY CO., 43 Cedar, New York
Gautier J. H. & Co., 1 Greene, Jersey City N. J.
Gill Clay Pot Co., Muncie, Ind.
Good Geo. S. Fire Brick Co., Patton, Pa.
Greenpoint Fire Brick Co., 375 Borden av, Brooklyn, N. Y.
Harbison-Walker Refractories Co. (For all Purposes), Farmers' Bank bldg, Pittsburgh, Pa.
Hidecker Brick Co., 958 60th, Oakland, Cal.
Highlands Fire Clay Co., Mackind & Berthold av, St. Louis, Mo.
Humphreys E. C. Co., 624 Penobscot, Detroit, Mich.
Illinois Clay Products Co., Ogiesby, Ill.
Illinois Kaolin Co., Anna, Ill.
Interstate Fire Clay Co., Citizens bldg, Cleveland, O.
Ione Fire Brick Co., Rialto bldg, San Francisco, Cal.
Keener Sand & Clay Co., Hartman bldg, **Columbus, O.**
Klamensi Clay Co. (Also Ground Clay), Wilmington, Del.
Kreischer Brick Mfg. Co., **Kreischerville, S. I., N. Y.**
La Clede-Christy Clay Products Co., Railway Ex. bldg, St. Louis, Mo.
Lavino E. J. Co., Bullitt bldg, Phila., Pa.
Leisen John H., Woodbridge, N. J.
Livermore Fire Brick Wks., 604 Mission, San Francisco, Cal.
McCormick J. S. Co. (Welsh Mountain), 25th & A. V. R. R., Pittsburgh, Pa.
McHose L. H., Perth Amboy, N. J.
McLeod & Henry Co., 360 1st, Troy, N. Y.
Massillon Stone & Fire Brick Co., Massillon, O.

MAURER HENRY & SON (Ground & In Bulk), 420 E. 23rd, New York
See adv index at end of book

Missouri Fire Brick Co., Security bldg, St. Louis, Mo.
Monarch Fire Clay Co., Linnton rd, Portland, Ore.
Moulding Thos. Brick Co., 1203H Cham. of Commerce, Chicago, Ill.
Mushet W. E. Co. (Dirs.), 700 2nd, San Francisco, Cal.
Mutton Hollow Fire Brick Co. (Ground), Woodbridge, N. J.
National Clay Refining Co. ("Shamrock"), Liberty bldg, Phila., Pa.
National Sales Co., 31 E 13th, Cincinnati, Ohio
Negley Clay Co., Negley, O.
Nelsonville Brick Co. (Ground), Nelsonville, O.
Ohio Fire Brick Co., Oak Hill, O.
Osceola Silica & Fire Brick Co., Osceola Mills, Pa.
Ostrander Fire Brick Co., Troy, N. Y.
Ottawa Fireproofing Co., Ottawa, Ill.
Peekskill Fire Brick Works, Peekskill, N. Y.
Penna Fire Brick Co., Beech Creek, Pa
Phila. Fire Brick Works, 2306 Vine, Phila., Pa.
Potomac Fire Brick Co., Piedmont, W. Va.
Presbrey Stove Lining Co., Taunton, Mass.
Products Development Co., Sharon bldg, San Francisco, Cal.

PORTSMOUTH REFRACTORIES CO. THE, Portsmouth, Ohio
See adv index at end of book

Raritan Ridge Clay Co., Metuchen, N. J
Reeve, Augustus, Camden, N. J.
Robinson Clay Product Co. (Ground), Akron, O.
Rockcastle Cement & Lime Co., Munsey bldg, Baltimore, Md.
Rutland Fire Clay Co. ("Rutland"), Rutland, Vt.
Savage Mountain Fire Brick Co., Frostburg, Md.
Savannah Kaolin Co., Savannah, Ga.
Slider E. T. (Dirs.), New Albany, Ind.
Southern Fire Brick & Clay Co., 133 W Washington, Chicago, Ill. Works: Mt. Silica, Ind.
Springfield Facing Co., 315 Main, Springfield, Mass.
See adv index at end of book
Stockton Fire Brick Co., Rialto bldg., San Francisco, Cal.
Stratton Fire Clay Co., Empire, O.
Uhl Pottery Co. (Ground), Evansville, Ind
Union Mining Co., Fidelity bldg, Baltimore, Md.
Vitrefrax Co. Inc. ("Argon"), 51st & Pacific blvd, Los Angeles, Cal.
Walsh Fire Clay Products Co., 4070 Main, St. Louis, Mo.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Washington Brick, Lime & Sewer Pipe Co (Milled & Screened), Spokane, Wash
West Virginia Fire Clay Mfg. Co. (Ground Flaked or Dust. etc.). Diamond Bank bldg, Pittsburgh, Pa.
Whitehead Bros. Co., 537 W 27th, New York
Winslow & Co., Portland, Me.
Woodbridge Clay Products Co. (Ground & Mortar), Perth Amboy, N. J.

4758a— Fire Department Supplies

Consult Index of Contents for the Particular Article Required; see also Mill & Factory Supplies

AMERICAN LA FRANCE FIRE ENGINE CO., Elmira, N. Y.
Badger Fire Extinguisher Co. Inc., 962 Park Sq bldg, Boston, Mass.
Grether Fire Equipment Co. (Dirs.), Dayton, O.
Lally Fire Appliance Co., 109 Shipley, Wilmington, Del.
Safety Fire Extinguisher Co., 295 7th av New York
Schlangen Bros. Co., 2435 Irving Park Blvd., Chicago, Ill.
Simmons John Co., 110 Centre, New York
See adv index at end of book
Waterous Fire Engine Co., 808 Fillmore, av, St. Paul, Minn.
Waterproof Products Co. (Firemen's Turn Out Suits), 1150 25th av, Oakland, Cal.

4759—Fire Door Fittings (Automatic)

Allith-Prouty Co. ("Allith" & Prouty"). Danville, Ill.
Aurora Door Hanger & Specialty Co. Aurora, Ill.
Bolles Wm. B., P. O. Box 600 M, Milwaukee, Wis.
California Fire Proof Door Co. ("Wilcox"). Los Angeles, Cal.
Coburn Trolley Track Mfg. Co., ("Coburn"), P. O. Box 127, Holyoke, Mass.
Keystone Fire Door Co. ("Standard"), 1231 Irwin av, Pittsburgh, Pa.
Kortick Mfg. Co., 335 First, San Francisco, Cal.
Lane Bros. Co., Poughkeepsie, N. Y.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Newhall Henry B., 89 West, New York
Richards-Wilcox Mfg. Co. ("Richards-Wilcox"), Aurora, Ill.
See adv index at end of book
Richmond Safety Gate Co., Richmond, Ind.
Shields J. H., Indian Hill av, Cincinnati, O.
Stowell Co. The, S Milwaukee, Wis.
Victor Mfg. Co. ("Victor" Heat Releasing Devices), Newburyport, Mass.

Fire Doors (Automatic)

See Doors, Elevator, Automatic, Fire; also Doors, Fire, Tin Clad & Sheet Metal

4760-1—Fire Engines (Chemical)

Ajax Fire Engine Works, 882 3d av, Brooklyn, N. Y.
American Fire Apparatus Co., 30 E 42d, New York
AMERICAN LA FRANCE FIRE ENGINE CO., INC. ("Champion"), Elmira, N. Y.
Anderson Coupling & Fire Supply Co., Kansas City, Kan.
Badger Fire Extinguisher Co., Inc., 962 Park Sq bldg, Boston, Mass.
Castle Jas. M, Inc. ("Castle"), 1224 Arch, Phila., Pa.
Foamite-Childs Corporation, 101 Turner, Utica, N. Y.
HARKER MFG. CO. ("Queen"), 121-123 W Third, Cincinnati, Ohio
Knight & Thomas ("Protector"), 213 Summer, Boston, Mass.
Northern Fire Apparatus Co. ("Northern"), 2422 Univ. av, S E Minneapolis, Minn.
Obenchain-Boyer Co., Logansport, Ind.
Pirsch Peter & Co. (Hand & Drawn), Kenosha, Wis.
Prospect Mfg. Co. ("Deluge"), Prospect, O. pect, O.
Rex-Harris Fire Appliance Co., 310 W 39th, New York
Safety Fire Extinguisher Co. (Safety), 295 7th av, New York
Seagrave Co., Columbus, O.
Strempel Fire Extinguisher Mfg. Co., 4268 N 20th, St. Louis, Mo.
Weller Samuel A., Zanesville, O.

4762— Fire Engines (Hand)

AMERICAN LA FRANCE FIRE ENGINE CO., INC., Elmira, N. Y.
Anderson Coupling & Fire Supply Co., Kansas City, Kan.
Badger Fire Extinguisher Co. (Chemical), 34 Portland, Boston, Mass.
Castle Jas. M., Inc., 1224 Arch, Phila., Pa.
Fire Protection Co., 67 Main, San Francisco, Cal.
Foamite-Childs Corporation, 1001 Turner, Utica, N. Y.
Knight & Thomas ("Protector"), 213 Summer, Boston, Mass.
Northern Fire Apparatus Co. ("Chemical"), 2422 Univ. av S. E., Minneapolis, Minn.
Prospect Mfg. Co. ("Deluge" Hand), Prospect, O.
Safety Fire Extinguisher Co., 295 7th av, New York

4763-4—Fire Engines (Motor)

See also Trucks, Aerial; Trucks, Hook & Ladder, also Wagons, Hose

Ahrens-Fox Fire Engine Co. ("Ahrens-Fox"), Cincinnati, O.
American-La France Fire Engine Co., Elmira, N. Y.
Autocar Co., Ardmore, Pa.
Buffalo Fire Appliance Corp., 44 Carroll, Buffalo, N. Y.
Castle Jas. M. Inc., 1224 Arch, Phila, Pa.
Central Metal Products Co. (Underwriters' Standard Tin Covered), Canton, O.
Childs O. J. Co. Inc., Utica, N. Y.
Foamite-Childs Corporation, 101 Turner, Utica, N. Y.
Four-Wheel Drive Auto Co., Clintonville, Wis.
Grether Fire Equipment Co., Dayton, O.
Howe Fire Apparatus Co., Anderson, Ind.
International Motor Co. ("Mack" "Saurer" & "Hewitt"), 25H Broadway, New York
Maxim Motor Co., Middleboro, Mass.

Midwest Engine Co., 19th & Martindale av, Indianapolis, Ind.
Northern Fire Apparatus Co. ("Northern"), 2422 Univ. av, S E, Minneapolis, Minn.
Pirsch Peter & Co., Kenosha, Wis.
Prospect Mfg. Co., Prospect, O.
Robinson Fire Apparatus Mfg. Co., 4268 N 20th, St. Louis, Mo.
Seagrave Co., Columbus, O.
U. S. Fire Apparatus Co., Wilmington, Del.
Waterous Fire Engine Co., 80 E Fillmore av, St. Paul, Minn.
Winther Motors, Inc., Kenosha, Wis.

4765— Fire Escapes

See also Iron, Architectural & Ornamental; also classifications following this heading

Am. Bridge Co., 71 B'way, New York
Amos Chas. & Co., Inc., 3000 Hart av, Detroit, Mich.
Badger Wire & Iron Works, 25th av & Cleveland, Milwaukee, Wis.
Barnum E. T. Wire & Iron Wks., 501-23 Cass av, Detroit, Mich.
Brombacher Iron Works, 555 Magnolia, Los Angeles, Cal.
Columbia Wire & Iron Wks., 466 E Market, Portland, Ore.
Crown Iron Wks. Co., 1229 Tyler, Minneapolis, Minn.
Cruickshanks Iron Works Co., Dineen & S. A. L. Ry, Richmond, Va.
Dow Co., 201H N Buchanon, Louisville, Ky.
Fleck M., 338 E 124th, New York
Halsted Jos. Co., W 31st & S Spaulding av, Chicago, Ill.
Hanke Iron & Wire Works, 800 N Albany av, Chicago, Ill.
Jackson Iron Works, Boyle & Slauson av, Los Angeles, Cal.
Janney & Co., Montgomery, Ala.
LEAKE A. G. ERECTING CO. INC., THE, Ash & Holland av, Bridgeport, Conn.
Los Angeles Cushion Drop Ladder Co., 111 Mesnanger, Los Angeles, Cal.
Lyons, F. P. Iron Works Inc., Manchester, N. H.
Mesker Geo. L. & Co., Evansville, Ind.
Meyers Fred J. Mfg. Co., Hamilton, O.
Michel & Pfeffer Iron Works, 1417 Harrison, San Francisco, Cal.
Moss J. E. Iron Wks., Wheeling, W. Va.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Portage Iron & Wire Co., 1131 Johnston, Akron, O.
Pullinger George S. Co., East Stroudsburg, Pa.
Remppis W F Iron Works, 7th & Chestnut, Reading, Pa.
Rieseck Iron Works, 1201 Metropolitan, Pittsburgh, Pa.
Roanoke Iron & Bridge Works, Inc., Walnut av, Roanoke, Va.
Safety Fire Extinguisher Co., 295 7th av, New York
Scranton Iron & Steel Co., 1335 Capouse av, Scranton, Pa.
Seiler Iron Works Inc., 945 S Pilgrim, Stockton, Cal.
Smith A. L. Iron Co., Dept. H, Chelsea, Mass.
SMITH F. P. WIRE & IRON WORKS, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Smith L. Iron & Steel Co., Jacksonville, Fla.
Standard Fire Escape Co., 23 S Western, Chicago, Ill.
Taylor & Dean, 2438H Penn av, Pittsburgh, Pa.
United Iron Wks., Kansas City, Mo.
Verdeckberg Iron & Wire Works Co., 1109 California, Denver, Colo.
Vilsack Martin Co., 3222 Penn av, Pittsburgh, Pa.
Wilkins J. D., 204-6 West Lee, Greensboro, N. C.
Wis. Iron & Wire Works (Steel), 1660 Booth, Milwaukee, Wis.
Wrobbel & Main Co. The 3106 E 63rd, Cleveland, Ohio

4766—Fire Escapes (Automatic)

Davy Automatic Fire Escape Co., 117 W Taylor, Syracuse, N. Y.
Hayward S. F. & Co. ("Mumford"), 250 W 54th, New York
Potts Mfg. Co., Mechanicsburg, Pa.
Rex-Harris Fire Appliance Co., 310 W 39th, New York
Roanoke Iron Works, Roanoke, Va.
Scranton Iron & Steel Co., 1335 Capouse av, Scranton, Pa.

4767— Fire Escapes (Chute)

Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Scranton Iron & Steel Co., 1335 Capouse av, Scranton, Pa.
Standard Conveyor Co., N St. Paul, Minn.
See adv index at end of book

4768—Fire Escapes (Counterbalance)

Folsom Street Iron Wks., 18th & Treat av, San Francisco, Cal.
Halsted Jos. Co., W 31st & S Spaulding av, Chicago, Ill.
Lucas A. & Sons, 1329 S Washington, Peoria, Ill.
Michel & Pfeffer Iron Works, 1417 Harrison, San Francisco, Cal.
Portage Iron & Wire Co., 1131 Johnston, Akron, O.
Potts Mfg. Co., Mechanicsburg, Pa.
Progressive Steel Co., 504 Bailey av, Buffalo, N. Y.
Roanoke Iron Works, Roanoke, Va.
Scranton Iron & Steel Co., 1335 Capouse, Scranton, Pa.
SMITH F. P. WIRE & IRON WORKS, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Western Steel Products Co., New Duluth, Minn.

4769—Fire Escapes (Portable)

American Fire Apparatus Co. (Chain Ladders), 30 E 42d, New York
Barnum E. T. Wire & Iron Wks., 4612 Woodward av, Detroit, Mich.
Bethlehem Fence Wks., Bethlehem, Pa.
Hayward S. F. & Co. ("Wilson"), 250 W 54th, New York
Neal B. B. Hardware Co. ("Life Saving"), 235 Canal, New York
Safety Fire Extinguisher Co., 295 7th av, New York
Scranton Iron & Steel Co., Scranton, Pa.

4770— Fire Escapes (Rope)

Rex-Harris Fire Appliance Co. (Wire Rope), 310 W 39th, New York
Rope Fire Escape Co., 1626 Market, Phila., Pa.
Safety Fire Extinguisher Co., 295 7th av, New York
Whitner Two Rope Safety Co., 638 S Clark, Chicago, Ill.

4771— Fire Escapes (Spiral)

Alvey Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Burr Co., Champaign, Ill.
Chattanooga Roofing & Fdry. Co., Chattanooga, Tenn.
Dow Wire & Iron Works ("Kirker-Bender"), Louisville, Ky.
Kleeman L. F. Mfg. Co., 1923 Central, Kansas City, Mo.
Lucas A. & Sons, 1329 S Washington, Peoria, Ill.
Norfolk Iron & Wire Works, Inc., Norfolk, Va.
Richmond Structural Steel Co. (Cast Iron), 18th & Dock, Richmond, Va.
Roanoke Iron Works, Roanoke, Va.
STANDARD CONVEYOR CO., N St. Paul, Minn. *See adv index at end of book*
Western Steel Products Co., New Duluth, Minn.

4772— Fire Escapes (Stairway)

Barnum E. T. Wire & Iron Wks., 501-23 Cass av, Detroit, Mich.
Dow Co., 201H N Buchanon, Louisville, Ky.
Griffith-Custer Steel Co., Johnstown, Pa.
Halsted Jos. Co., W 31st & S Spaulding av, Chicago, Ill.
Hanke Iron & Wire Works ("Hanke"), 800 N Albany av, Chciago, Ill.
Mack Iron & Wire Wks., Sandusky, O.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Michel & Pfeffer Iron Works, 1417 Harrison, San Francisco, Cal.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Portage Iron & Wire Co., 1131 Johnston, Akron, O.
ST. PAUL FOUNDRY CO., Como av & Mackubin, St. Paul, Minn.
See adv index at end of book
Scranton Iron & Steel Co., 1335 Capouse, Scranton, Pa.
SMITH F. P., WIRE & IRON WORKS, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Van Dorn Iron Works Co. (The), 2700 E 79th, Cleveland, Ohio
See adv index at end of book
Wilkins J. D., 204-6 W Lee, Greensboro, N. C.
Wisconsin Iron & Wire Wks., Milwaukee, Wis.
Wrobbel & Maine Co. The, E 63rd, Cleveland, Ohio

4773— Fire Extinguishers

See also Sprinklers, Automatic Fire; also Grenades, Hand

CALIFORNIA.

LOS ANGELES—Goodyear Rubber Co., Citizens Bank bldg
Hirsch F. S. & W. W. Inc., 845 6th
SAN FRANCISCO—Badger Fire Extinguisher Co., 440 Howard
California Fire Extinguisher Co. (Dirs.), 67 Main
Fire Protection Engineering Co., 142 Sansome
General Equipment Co., 25 Minna
Goodyear Rubber Co. ("Gold Seal"), 539 Mission
Gorham Fire Apparatus Co., 260 Drumm
Pacific Fire Extinguisher Co., 440H Howard
Western Can Co. (Fire Extinguisher, Friction Top Cans), 180 Townsend
Western Fire Appliance Co. ("Pyrocide" Dry Chemical), 703 Market

CONNECTICUT.

NORWICH—Phoenix Fire Extinguisher Co.
YALESVILLE—Yale C. J. Mfg. Co.

DISTRICT OF COLUMBIA.

WASHINGTON—Howard H. J. N. Mfg. Co. 10 Pierce

ILLINOIS.

CHICAGO—ALLEN W. D. MFG. CO. ("Allenco," "Nella"), 201-211 N Jefferson
See adv index at end of book
Armstrong & Co., 544 W Washington blvd
DIENER GEO. W. MFG. CO. (Soda & Acid; Non-Freezing Hand Pump; Dry Powder), 400-420 Monticello av
See adv index at end of book
Firex Mfg. Co., 2039 S Morgan
McMorran Edw. E. & Co., 126 N Union
Miller Chemical Engine Co., 325 Curtis
Miller-Peerless Mfg. Co. ("Peeranco," "Miller," "Peerless" Non-Freezing), 325 N Curtis
Niagara Fire Extinguisher Co., 209 S La Salle
Treadwell M. H. Co. of Ill. ("Erwin"), 208 S La Salle

INDIANA.

BUTLER—Craun Bros.
RAYS CROSSING—Gordon Orville E. ("Gordon")

KANSAS.

KANSAS CITY—Anderson Coupling & Fire Supply Co.

MAINE.

PORTLAND—Laughlin Thos. Co. (Dry Chemical), 135 Fore
See adv index at end of book

MASSACHUSETTS.

BOSTON—Badger Fire Extinguisher Co., Inc. (Chemical), 962 Park Sq bldg
Barnes Henry K. Co. ("Fire King" Chemical), 234 Devonshire
Knight & Thomas ("Underwriters," "Railway & Marine," "Safe Guard," "Vulcan," "Home Guard," "Fire Warden"), 212 Summer
Standard Extinguisher Co., 24 Binford
LAWRENCE—Kress O. F. & Son

MINNESOTA.

MINNEAPOLIS — Northern Fire Apparatus Co. ("Atlas," "Northern"), 2422 Univ. av, S E
Minneapolis

MISSOURI.

KANSAS CITY—Prier Brass Mfg. Co., 15th & Blue River
ST. LOUIS—General Mfg. Co., 1804 Pine,
Missouri Lamp & Mfg. Co. ("Acme," "Royal," "Phoenix," "Missouri," "U. S.," "Rex"). 114 Elm
Robinson Fire Apparatus Mfg. Co., 4268H N 20th
Stempel Fire Extinguisher Mfg. Co. ("Aaron"), 4268H N 20th

NEW JERSEY.

NEWARK—Pyrene Mfg. Co. ("Pyrene," "Guardene," "Phomene," "Accurate") 520 Belmont av.
Roe & Conver, 206 Frelinghuysen av
TRENTON—Hunt Jas. B. Mfg. Co.

NEW YORK.

BUFFALO—Buffalo Fire Appliance Corp., 44 Carroll
Dusing & Hunt, 382 Michigan av
Western Inspection Co., 45 N Division
ELMIRA—AMERICAN LA FRANCE FIRE ENGINE CO. INC. ("Salvage" "Patrol" "Alert" "La France," "Keystone")

NEW YORK CITY.

Boroughs of Manhattan and Bronx.

NEW YORK—American Fire Apparatus Co., 30 E 42d
Badger Fire Extinguisher Co., 123 William
Columbia Fire Extinguisher Co., 174 Centre
Diggs D. W., 601 W 26th
Fyro Extinguisher Co., Syracuse, N. Y.
Fire Gun Mfg. Co., Inc. ("Fire Gun"), 183 Varick
Fox Bros. & Co. (Locomotive), 126 Lafayette, New York
Hayward S. F. & Co. ("Babcock," "Patrol," "Champion," "Liquid Seal" & "Rescue," Chemical; also Hand Grenades), 250 W 54th
Johns-Manville Inc. ("Success" Non-Freezing, also Fire Protective Devices), Madison av & 41st
Kahnweiler's David Sons ("Simplex"), 260 Front
Minwax Co. (Chemical), 18 E 41st

(Continued on following page)

EDWIN A. JACKSON & BRO. Inc.

50 Beekman Street, New York,

MANUFACTURERS OF

Mantels, Grates, Franklin Stoves, Dampers, Andirons, Spark Screens and All Kinds of Fireplace Fixtures.

Fire Extinguishers—Continued

NEW YORK—NEW YORK—Continued

New York Brass Fdry. Co., 403 Broome
Rapid Safety Fire Extinguisher Co., 92 Pine
Relc Extinguisher Corp., 5 Beekman
Rex Harris Fire Appliance Co., 310 W 39th
Safety Fire Extinguisher Co. ("Safety" Two & Half Gallons & One Quart), 295 7th av
Simmons John Co. ("Jossice"), 110 Centre *See adv index at end of book*

Borough of Queens

LONG ISLAND CITY—Boyce & Veeder Co., Inc., 68 Hunterspoint av

End of New York City

UTICA — Foamite-Childs Corporation, ("Foamite," "Firefoam"), 101 Turner

OHIO.

CINCINNATI—Edna Brass Mfg. Co., 528 Reading rd
HARKER MFG. CO. ("Queen" "Safety First," also Dry Powder), 121-123 W Third
DAYTON—Fyr-Fyter Co.
Grether Fire Equipment Co. (Dirs.)
Larkin Mfg. Co. ("Larkin")
MARIETTA—Northwestern Chemical Co. ("Fire Fly" Dry Powder)
NORWALK—F. R. X. Mfg. Co. (Chemical, Hand)

OREGON

PORTLAND—Goodyear Rubber Co., 61 4th
Long A. G. Co., Inc. (Dirs.), 249 N 16th

PENNSYLVANIA.

PHILADELPHIA—Castle Jas. M., Inc., 1224 Arch
Clay Jno. H., 1320 Ridge av
Globe Automatic Sprinkler Co. ("Globe" **Chemical, Two, One Gal. & One Qt.), 2035 Washington av**
National Inspection Co. ("Bradford"), 1617 Sansom
Snyder M. L. & Son ("Arrow," "Pan American," "Electric," "Standard"), 223 Church
PITTSBURGH—**COLONIAL SUPPLY CO.** ("Colonial"), 217 Water
See adv index at end of book
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Pittsburgh Lamp, Brass & Glass Co. ("Pilabrasco"), 130 7th

RHODE ISLAND.

PROVIDENCE—Grinnell Co., Inc., 275 W Exchange

WASHINGTON.

SPOKANE—Northwestern Fire Apparatus Co., 112 S Monroe

WISCONSIN.

MILWAUKEE—Badger Chemical Mfg. Co. ("Mitchell" Dry Powder, "Wisconsin," "Auto" Liquid Chemical), 221 Grand
RACINE—Racine Iron & Wire Works (Chemical)

4774—Fire Extinguishers (Steam)

See also Sprinklers, Automatic Fire

Nathan Mfg. Co. (For Locomotives, etc), 21 East 40th, New York

4775—Fire Extinguishing Systems (Marine)

Bethlehem Shipbuilding Corp. Ltd., 20th & Michigan, San Francisco, Cal.
Cory Chas. & Sons, 183 Varick, New York

4776— Fire Hose Shut Off

Castle Jas. M., Inc., 1224 Arch, Phila., Pa.
Pirsch Peter & Co ("Pirsch"), Kenosha, Wis.
Rowell D. G. ("Samson" Automatic), Appleton, Wis.
Safety Fire Extinguisher Co., 295 7th av, New York

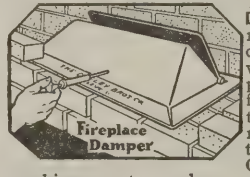
4777—Fire-Place Furnishings Mfrs.

See also Andirons, Fenders & Grates

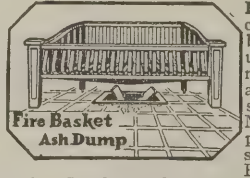
Arnold & North 124 E 41st, New York
Bassill Louis Co. (Brass Andirons, Fenders, etc), 245 Cambridge, Boston, Mass.
Bennett Wire Co. Inc., 7 E 42nd, New York
Biddle-Gaumer Co. (Wrought Iron), 3346 Lancaster av, Phila., Pa.
Boston Brass Andiron Co. (Andirons, Fire Sets & Fenders), 83 Haverhill, Boston, Mass.
Bradley & Hubbard Mfg. Co. (Andirons, Fenders, Fire Sets, etc), Meriden, Conn.
Bridgeford & Co. (Fancy Grates & Furnishings), Louisville, Ky.
Chattanooga Roofing & Fdry. Co. ("Cahill" Grates & Fixtures), 22d, Chattanooga, Tenn.
Colonial Fireplace Co. (Dampers, etc.), 4619H Roosevelt rd, Chicago, Ill.
COVERT H. W. CO., 137 E 46th, New York
Darby Edw. J. & Son (Screens), 319 Vine, Phila., Pa. *See adv index at end of book*
Dawson Bros., 523 N Halsted, Chicago, Ill.
Dighton Foundry Co. (Grates & Iron, etc), Taunton, Mass.
Donley Bros. Co. (The) (Baskets), 3625 E 74th, Cleveland, O.
See adv index at end of book

Donley Fireplace Necessities

These necessities insure fireplace satisfaction by giving cleanliness, perfect draft control, maximum warmth and fuel economy.



The Fireplace Damper, either rotary or poker control, provides smooth, properly formed metal throat and a means for controlling draft. Guards against smoking, soot smudges, waste of heat up chimney and gives maximum warmth with fuel economy.



The Donley Fire Basket combines beauty and utility. Harmonizes with all decorative schemes. Narrows for properly splayed hearth. Removable ends. **Donley Ash Dumps** are iron trap doors closing ash pit and excluding dust and odors.



The Donley Ash-pit Door or Clean-out Door is strong, neat and a close fit.

Send for the Donley Book of Fireplaces containing fireplace designs and construction plans.

The Donley Brothers Co.

13935 Miles Av. Cleveland, O.

Dow Co. (Fenders, Guards, Screens), 201H N Buchanon, Louisville, Ky.
Dufur & Co., 311 N Howard, Baltimore, Md.
Eisenberg M. & Son, 224 Centre, New York
Fanner Mfg. Co. ("Arctic," Fire Sets, Fire Dogs, Grates, etc), Cleveland, O.
Graf Frank H. Mfg. Co. (Brass, Bronze & Black Iron), 282 9th av, New York
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
Howes S. M. Co. (Fire Sets, Basket Grates, Fireplace Screens, etc), 42 Union, Boston, Mass.
Indiana Foundry Co. (Cast Iron Grates), Dept. H, Indiana, Pa.
JACKSON EDWIN A. & BRO., INC. (Andirons, Fenders, etc), 50 Beekman, New York *See adv index at end of book*
Jackson's Mantel & Grate Works, 2 W 33rd, New York
Janusch Mfg. Co. (Brass, Bronze, etc), 290 E 135th, New York
Jardine Walter S. & Sons Co. (Iron Lining), 29 Central, Arlington Heights, Mass.
Leetonia Tool Co., Leetonia, O.
Lily Bros. Foundry Co., 2268 E 15th, Los Angeles, Cal.
Lodge Mfg. Co. (Andirons, etc), South Pittsburgh, Tenn.
Lorenzen Chas. F. & Co., 521 W Monroe, Chicago, Ill.
McKenny & Waterbury Co. (Andirons, Fenders, Fire Sets, etc), 181 Franklin, Boston, Mass.
Manhattan Brass Co. (Brass), 332 E 28th, New York
Meyers Fred. J. Mfg. Co., Hamilton, O.
Ohio Foundry & Mfg. Co. (Grates, etc), Steubenville, O.
Peerless Mfg. Co. (Grates, Andirons, Screens, Portable Baskets, Fire Sets, etc.), 15th & Ormsby, Louisville, Ky.
Richmond Stove Co., Dept. H, 2506 E Main, Richmond, Va.
Rostand Mfg. Co. (Full Line "Rostand"), Milford, Conn.
SMITH F. P. WIRE & IRON WORKS, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Smith John P. & Co. (Screens, etc), New Haven, Conn.
Stover Mfg. & Engine Co. (Screens), Freeport, Ill.
Syracuse Wire Works (Spark Guards), 101 University av, Syracuse, N. Y.
Tiffany Studios, 361 Madison av, New York

Fire Pots

See Pots, Fire

4778— Fire-Proof Constructors

See also Concrete Steel Construction, Reinforced

A. B. Fireproofing Co., 64 W Randolph, Chicago, Ill.
Almon Engineering & Contracting Co., 25 Church, New York
Bruner P. M. Granitoid Co., Frisco bldg, St. Louis, Mo.
Celite Products Co., 53 W Jackson blvd, Chicago, Ill.
Drehmann Paving & Constr. Co. (Concrete Floors, etc), 508 Glenwood, Phila., Pa.
General Fireproofing Co. (Building Material), Youngstown, O.
See adv index at end of book
Goldsmith Metal Lath Co., 53 Central av, Cincinnati, O.
Gypsum Fireproofing Co., 205 W Monroe, Chicago, Ill.
Healy-Tibbitts Construction Co., Main & Market, San Francisco, Cal.
Moss J. E. Iron Works, Wheeling, W. Va.
National Concrete Const. Co., Louisville, Ky
National Concrete Fire Proofing Co., Citizens bldg, Cleveland, O.
Sanitary Fire Proofing & Contracting Co., 2234 E 177th, New York
Standard Concrete Steel Co., 413 E 31st, New York
United States Gypsum Co., 205 W Monroe, Chicago, Ill.
Whittacre Greer Fireproofing Co., Waynesburg, O.

4778a— Fire-Proof Doors & Partitions

Cincinnati Mfg. Co., Cincinnati, O.
Coburn Trolley Track Mfg. Co. (Tin Clad & Sheet Metal), P. O. Box 127, Holyoke, Mass.
Empire Steel Partition Co., 3d av & 11th, College Point, N. Y.
General Fireproofing Co. (The), 2308 Logan av, Youngstown, O.
See adv index at end of book
Inter-Ocean Cabinet Co., 320 S Paulina, Chicago, Ill.
KINNEAR MFG. CO., 716-766 Field av, Columbus, O.
See adv index at end of book
Perkins Mfg. Co., 1821 University av, St. Paul, Minn.
Prever Lumber Co., 250-252 W 23d, New York

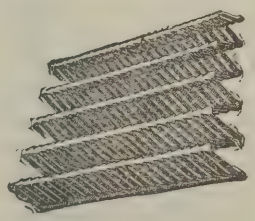
Fireproofing Building Materials

The qualities of a good fireproofing material are the result of years of study and experience. The best satisfaction is therefore secured by buying a known, dependable line. Before purchasing write for prices.

Herringbone Rigid Metal Lath



This lath offers many desirable features—rigidity, uniformity, wider stud spacing, and true economy in time, labor and plaster.



"Trussit"

Trussit is a corrugated expanded sheet, which forms the base and reinforcement for plaster walls and partitions. It eliminates the use of studding.

G. F. Self-Sentering



This combined reinforcing material and form decking for concrete floors, roofs and walls fills every need for speed, economy and permanence in building.

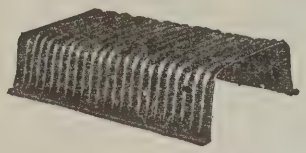
G. F. Steel Lumber

Used instead of wood for joists and studs in floor and partition work. For safety, economy and fireproofing it is ideal.

G. F. Peds

Peds, as "spot grounds" for attaching wood or metal trim to walls and sleepers to concrete floors save time, labor and material.

G. F. Steel Tile



These are light steel forms of various depths for use with concrete in joisted floor construction. They offer unusual economy combined with strength.

G. F. Waterproofings

G. F. No. 10—Integral waterproofing Paste.
G. F. No. 11—Integral waterproofing Powder.
G. F. No. 17—Mop Coating.
G. F. No. 18—Waterproofing Felt.
G. F. No. 21—Saturated Fabric.
G. F. No. 16—Foundation Brush Coating.
G. F. No. 12—Cement Accelerator
G. F. No. 220—Stainproof Stove Blacking.
G. F. No. 200—Dampproofing Coating.
G. F. No. 100—Colorless Waterproofing.
G. F. No. 101—Brick and Cement Coating.
G. F. No. 250—Mastic Cement.
G. F. No. 145—Crystalrox
G. F. No. 140—Concrete Hardener.
G. F. No. 400—Bonding Compound
G. F. No. 99—Acidproofing.
G. F. No. 155—Floor Enamel.
G. F. No. 300—Steel Coating.
G. F. No. 325—Protective Coating.
G. F. No. 350—Galvanized Iron Coating.
G. F. No. 160—Wood Floor Preservative.

The above is only a small part of the G. F. Fireproofing Line. Every item is produced to give maximum satisfaction at lowest possible cost. Write for prices and literature.

G. F. Fireproofing Materials

The General Fireproofing Company

2308 LOGAN AV., YOUNGSTOWN, OHIO

BRANCHES—Boston, New York, Philadelphia, Syracuse, Cleveland, Chicago, Milwaukee, Minneapolis, St. Louis, Kansas City, Omaha, Atlanta, Los Angeles, San Francisco.

Dealers in all Principal Cities.

Export Dept. 438 Broadway, New York City

Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book
Wickwire Spencer Steel Corp., 41 East 42nd, New York
See adv index at end of book
World Fireproof Door Corp. (Fireproof Only), 448 Tiffany, New York

4779—Fire-Proof Floors & Partitions

A. B. Fireproofing Co. (Partitions Only), 64 W Randolph, Chicago, Ill.
American Concrete Steel Co. (Concrete Steel), 27 Clinton av, Newark, N. J.
Amos Chas & Co., Inc., 3000 Hart av, Detroit, Mich.
Barber Asphalt Roofing Co., Land Title bldg, Phila., Pa.
Brown Hoisting Machinery Co. ("Ferroinclave"), 4403 St. Clair, N E, Cleveland, O.
Chattanooga Sewer Pipe Works, Dept. H, Chattanooga, Tenn.
Cleveland Bldrs.' Supply & Brick Co., Leader-News bldg, Cleveland, Ohio
Consolidated Expanded Metal Co.'s, Braddock, Pa.
Corrugated Bar. Co. ("Corr-Mesh" Partitions), Mutual Life bldg, Buffalo, N. Y.
Ehret Magnesia Mfg. Co., Valley Forge, Pa.
Empire Steel Partition Co., 3d av & 11th, College Point, N. Y.
Expanded Metal Engineering Co., 523 W 33d, New York
GENERAL FIREPROOFING CO. (THE), 2308 Logan av, Youngstown, O.
See adv index at end of book
Goldsmith Metal Lath Co., 53 Central av, Cincinnati, O.
Gypsite Fireproofing Co. ("Gypsite" Partitions Only), Penobscot bldg., Detroit, Mich.
Gypsum Fireproofing Co. (Partitions & Roofs Only), 205 W Monroe, Chicago, Ill.
Keystone Fireproofing Co. ("Keystone" Gypsum), Chester, Pa.
Maurer Henry & Son ("Phoenix"), 420 E 23rd, New York
See adv index at end of book
Moss J. E. Iron Wks., Wheeling, W. Va.
National Concrete Fire-Proofing Co., Citizens bldg, Cleveland, O.
NATIONAL FIREPROOFING CO., 1100 Fulton bldg, Pittsburgh, Pa.
See adv index at end of book
North Western Expanded Metal Co. (Expanded Metal), 1220 Old Colony bldg, Chicago, Ill.
Plastone Co., Los Angeles, Cal.
Plymouth Gypsum Co. (Partitions Only), Fort Dodge, Ia.
Sanitary Fire Proofing & Contracting Co. ("Geraordts" Patent Fire Proof Blocks), 2534 E 177th, New York
Solar Metal Products Co. (Inc.) (Partitions Only), Columbus, O.
Special Service Flooring Corp., 2009 Grand Central Terminal, New York
Troy Fireproofing Co., Troy, N. Y.
Tucker Edw. A. Co., 101 Milk, Boston, Mass.
U. S. Gypsum Co. ("Pyrobar" Tile & "Jester Sackett" System), 205 W Monroe, Chicago, Ill.
White Fire Proof Construction Co., 95 Madison av, New York
Wickwire Spencer Steel Corp., 41 E 42nd, New York
See adv index at end of book
World Fireproof Door Corp., 448 Tiffany, New York

Fire-proof Garages

See Garages, Fire-Proof

4780-1—Fire-Proof Hollow Tile

A. B. Fireproofing Co., 64 W Randolph, Chicago, Ill.
Alton Brick Co. (Backing-up tile, partition tile etc.), Alton, Ill.
American Clay Products Co., 175 5th av, New York
American Fire Brick Co. ("Heath"), 1102 Monro, Spokane, Wash.
Ancho Brick Co., Ancho, N. M.
Asher Fire Proofing Co., 915 Southern bldg, Washington, D. C.
Ayer-McCarel, Reagan Clay Co., Brazil, Ind.
Bannon P. Pipe Co., Louisville, Ky.
Bradford Fireproofing Co., Bradford, Pa.
Brook Terra Cotta, Tile & Brick Co., Brook, Ind.
Cal. Brick Co., 604 Mission, San Francisco, Cal.
Catlin, R. H. Co., Wilmington, Del.
Chattanooga Sewer Pipe Works, Chattanooga, Tenn.
Chehalis Brick & Tile Co., Chehalis, Wash.
Clark N. & Sons, 112 Natoma, San Francisco, Cal.
Clay Product Co., 133 W Washington, Chicago, Ill.

(Continued on following page)

Fire-Proof Hollow Tile—Continued

Coast Concrete Products & Bldg. Corp., Slauson av cor Iron, Los Angeles, Cal.
Columbus Fire & Face Brick Co., 16 So 3rd, Columbus, O.
Craycroft-McKnight-Brick Co., Mattei bldg, Fresno, Cal.
Dennison Fire Proofing Co., Mason City, Ia.
Denny-Renton Clay & Coal Co., Seattle, Wash.
Denver Sewer Pipe & Clay Co., Interstate Trust bldg, Denver, Colo.
Diamond Brick Co., Oak Hill, O.
Dickey W. S. Clay Mfg. Co., N. Y. Life bldg, Kansas City, Mo.
Far West Clay Co., Tacoma, Wash.
Gladding, McBean & Co., Croker bldg, San Francisco, Cal. Works: Lincoln, Cal.
Gypsum Fireproofing Co., 205 W Monroe, Chicago, Ill.
Hay Walker Brick Co., 1214 Farmers Bank bldg, Pittsburgh, Pa.
Laclede-Christy Clay Products Co., Railway Exch. bldg, St. Louis, Mo.
Lake Union Brick & Fireproofing Co., 1834 Westlake av, N, Seattle, Wash.
Los Angeles Pressed Brick Co., 145 S Spring, Los Angeles, Cal.
McCleanahan Products Co. Inc. ("Mpco"), 112 Kearny, San Francisco, Cal.
Maurer Henry & Son, 420 E 23rd, New York *See adv index at end of book*

HENRY MAURER & SON
420 East 23rd St. New York
Established almost 70 years
WE ARE MAINTAINING A WELL-EARNED REPUTATION FOR PRODUCTS OF EXCELLENT QUALITY.
FACTORY: MAURER, N. J.

Miller & Coulson (Dealer), 5748 Ellsworth av, Pittsburgh, Pa.
National Fireproofing Co., 1100 Fulton bldg, Pittsburgh, Pa.
See adv index at end of book
National Stone-Tile Co. ("Stone-Tile"), 625 Market, San Francisco, Cal.
Oconee Brick & Tile Co., Milledgeville, Ga.
Ohio Clay Co. ("Dennison" Interlocking), Warner rd, Cleveland, Ohio
Ohio Fireproofing Co., Nelsonville, O.
Parker-Russell Mining & Mfg. Co., 3300 Moyanford rd, St. Louis, Mo.
Patton Clay Mfg. Co. (Cambria Co.), Patton, Pa.
Plymouth Gypsum Co. (Partition), Fort Dodge, Ia.
Standard Brick & Tile Co., Worcester bldg, Portland, Ore.
Troy Fireproofing Co., Troy, N. Y.
United States Gypsum Co. ("Pyrobar" Gypsum Tile), 205 W Monroe, Chicago, Ill.
Vigo-Am. Clay Co., Terre Haute, Ind.
Washington Brick Lime & Sewer Pipe Co. ("Denison" Interlocking), 151 S Washington, Spokane, Wash.
Whitacre-Greer Fireproofing Co., Waynesburg, O.

Fire-Proof Wood Work

See Fire-Proofing of Wood

4782 — Fire-Proofing (Ferroinclave Steel Concrete)

Brown Hoisting Machinery Co., 4403 St. Clair, Cleveland, O., & 50 Church, New York *See adv index at end of book*

4783—Fire-Proofing of Wood

Price Fire & Water Proofing Co., Poughkeepsie, N. Y.

4783a— Fireproofing (Liquid)

See also Compounds—Fireproofing

4784—Fire-Proofing (Porous Terra Cotta)

See also Fire-Proof Hollow Tile

Chattanooga Sewer Pipe Works, Dept. H, Chattanooga, Tenn.
Cleveland Bldrs.' Supply & Brick Co., Leader-News bldg, Cleveland, O.
Denny-Renton Clay & Coal Co., Seattle, Wash.
MAURER HENRY & SON, 420 E 23rd, New York *See adv index at end of book*
NATIONAL FIREPROOFING CO. ("Natco" Hollow Tile), 1100 Fulton bldg, Pittsburg, Pa.
See adv index at end of book
Parker-Russell Mining & Mfg. Co., 3300 Moyanford rd, St. Louis, Mo.
Whitacre-Greer Fireproofing Co., Waynesburg, O.

4785— Fire Sand

Carborundum Co. (Carborundum & Aloxite, for Lining Oil Burning Furnaces, Forges, etc), Niagara Falls, N. Y.
Garden City Sand Co. (Dealers), Chamber of Commerce bldg, Chicago, Ill.
Gautier J. H. & Co., 1 Greene, Jersey City, N. J.
Kiamensi Clay Co., H, Equitable Trust bldg, Wilmington, Del.
Maurer Henry & Son, 420 E 23rd, New York *See adv index at end of book*
Mushet W. E. Co., 200 2d, San Francisco, Cal.
Ohio Quarries Co., Citizens bldg, Cleveland, O.
Peekskill Fire Brick Works, Peekskill, N. Y.
Presbrey Stove Lining Co., Taunton, Mass.
QUIGLEY FURNACE SPECIALITIES CO., ("Ganesand"), 26 Cortland, New York
See adv index at end of book
Raritan Ridge Clay Co., Metuchen, N. J.
United States Silica Co., 122 S Michigan av, Chicago, Ill.
Valentine M. D. & Bro. Co., Woodbridge, N. J.
Whitehead Bros. Co., 537 W 27th, New York

Fire-Sets (Brass & Iron)

See Fire Place Furnishings, Manufacturers

4786— Fireworks

Apelt-Hermann (Chinese Firecrackers) 76 Wall, New York
Connecticut Fireworks Co., West Haven, Conn.
Consolidated Fireworks Co. of America, 22 Park pl, New York.
Diehl H. P. Co., Lawrenceburg, Ind.
Fearon Brown Co. (Imp.), 96 Wall, New York
Hunt Edmund S. & Sons Co., Weymouth, Mass.
Los Angeles Fire Works Co., 410 E 3d, Los Angeles, Cal.
National Fireworks Distributing Co., 64 Sudbury, Boston, Mass.
Newton's Cal. Fireworks Co., 249 Front, San Francisco, Cal.
Rochester Fire Works Co., Rochester, N. Y.
St. Louis Fireworks Co., 822 N B'way, St. Louis, Mo.
Simmons T. W. & Co., 240 California, San Francisco, Cal.
Western Fireworks Co., 1844 Lawrence, Denver, Colo.

4787— *Fireworks Powder

Atlas Powder Co., Wilmington, Del.
DU PONT E. I. DE NEMOURS & CO. INC., Explosives & Smokeless Powder Depts. (See Adv at Powder), Wilmington, Del.
See adv index at end of book
Giant Powder Co., Cons., First National Bank bldg, San Francisco, Cal.

4787a—First Aid Room Equipment

American La France Fire Engine Co. (Jobbers), Elmira, N. Y.
Brewer & Co. (Medical & Surgical Kits), 35 Arctic, Worcester, Mass.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
First Aid Equipment & Supply Co., 1446 W Slauson av, Los Angeles, Cal.
See adv index at end of book
Mine Safety Appliances Co., 909 Chamber of Commerce bldg, Pittsburgh, Pa.
Sanitas Mfg. Co. ("Sanitas" for Manufacturing Plants)

4788— *Fish Flakes

Wickwire Spencer Steel Corp ("Excelsior") 41 East 42nd, New York
See adv index at end of book

4789— Fish Line Mfrs.

A. A. A. Spooling & Winding Co. (Cotton), Auburn, R. I.
Allen J. & S. (Est. of), (Cotton & Linen), Walpole, Mass.
Ashaway Line & Twine Mfg. Co. ("Joseph Jefferson," "Swastika," "Cuttykunk," "Reliance," "Best Bass," "Superior" & "Standard" Braided & Twisted Silk, Linen & Cotton), Ashaway, R. I.
Barbour Flax Spinning Co. (Linen), Paterson, N. J.
Barrows Mfg. Co. (Cotton, Linen & Silk), Lansdale, Pa.
Beebe Cordage Co. (Cotton), Rockaway, N. J.
Burnham L. A. & Co. (Cotton), Gloucester, Mass.
Chaffee Mfg. Co. ("Chaffee" Silk), Willimantic, Conn.
Cohasnus Mfg. Co. (Trout Lines), Paducah, Ky.
Cortland Line Co., Inc. (Silk Braided) Cortland, N. Y.
Draper W. H. & Sons (Braided & Twisted Cotton, Linen & Silk), Troy, N. Y.
Duff Chas. H. (Silk), Rockland, Me.
Gladding B. F. & Co. (Braided & Twisted Cotton, Linen & Silk), South Otselic, N. Y.
Hall A. G. (Braided & Twisted Cotton, Linen & Silk), Highland Mills, N. Y.
Hooper Sons Mfg. Co. (Cotton), Juniper & Cherry, Phila., Pa.
Lees Mfg. Co. (Cotton), Westport, Conn.
Mansfield G. H. & Co. (Braided Silk), Canton, Mass.
Martin's E. J. Sons ("Kingfisher" Braided Silk), Rockville, Conn.
Mears Improved Line Co. (Cotton), Gloucester, Mass.
Newton Line Co. (Cotton, Linen & Silk), Homer, N. Y.
New Process Line Co., Dept. H, McGraw, N. Y.
Pawtucket Braided Line Co. (Braided Cotton, Linen & Silk), Pawtucket, R. I.
Royal River Mfg. & Power Co., Yarmouth, Me.
Tennessee Line & Twine Co. (Silk, Cotton & Linen), Elizabethton, Tenn.
Union Twine Co., Canochet, R. I.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.
Wood T. H. Co. (Braided Silk), South Coventry, Conn.

4790— Fish Nets & Seines

American Net & Twine Co., 575 Atlantic av, Boston, Mass.
Barbour Flax Spinning Co., Paterson, N. J.
Ederer R. J. Co., 169 N Franklin, Chicago, Ill.
Elwell C. A., Gloucester, Mass.
Fish Net & Twine Co., 810 Bergen av, Jersey City, N. J.
Fowler Net & Twine Co., 107 S 2nd, Phila., Pa.
Gloucester Net & Twine Co., Gloucester, Mass.
Knox W. & J. Net & Twine Co., Johnson & Barney, Baltimore, Md.
Lees Mfg. Co., Westport, Conn.
Lichtenstein's L. Sons, Richmond, Va.
McClean C. & W. Merc. Co. ("Palmer's"), 808 Washington av, St. Louis, Mo.
Pacific Net & Twine Co., 1213 Western av, Seattle, Wash.
Reisner W. H. Mfg. Co. ("King" Minnows), Hagerstown, Md.

4791— Fishing Tackle Mfrs.

See also Reels, Fishing
Also Sporting & Athletic Goods Mfrs.

Abbey & Imbrie, 15 Warren, New York
Am. Fork & Hoe Co. ("American" & "Elite" Steel Rods), Swetland bldg, Cleveland, Ohio
Chester F. E. Mfg. Co. ("Redfield," Hollow Cork Fishing, Floats), 2 Pine, Providence, R. I.
Dittefsen Machine Wks. ("Mooses Super Catch"), 1119 Pine, Seattle, Wash.
Enterprise Mfg. Co., Akron, O.
Hildebrandt John J. Co. ("Hildebrandt," Spinneys, etc), Logansport, Ind.
Horrocks-Ibbotson Co. (Reels, etc), Utica, N. Y.
Horton Mfg. Co. ("Bristol," "Rainbow," "Luckie," Steel Rods & Rod Mountings), Bristol, Conn.
Ideal Fishing Float Co., Richmond, Va.
Junod P. & Co., Celina, O.
Knowles S. E. Co. ("Knowles" Automatic Striker Spoon Bait), 977 Howard, San Francisco, Cal.
Little John T. Co. ("Spokane" Hand Made Flies)), 110 Washington, Spokane, Wash.
Pacific Net & Twine Co., 1213 Western av, Seattle, Wash.
Pepper Jno., Sr., Rome, N. Y.
St. Charles Net & Hammock Co., St. Charles, Ill.
Shakespeare Co., Kalamzoo, Mich.
SHAPLEIGH HARDWARE CO. (Whol. "Diamond" Brand), 4th & Washington, St. Louis, Mo.
South Bend Bait Co., South Bend, Ind.
Spokane Tool & Die Wks. ("White Devil" & "Spokane Trout" Trolling Spoon), Spokane, Wash.
Vom Hofe Edward & Co., 113 Fulton, New York
Wilson Thos. E. & Co. (Imp.), 727 N Sangamon, Chicago, Ill.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.
Woods F. C. & Co. (Expert Bait), Alliance, O.

4792— Fittings (Acid Metal)

ACHESON MFG. CO., Rankin, Pa.
See adv index at end of book
Damascus Bronze Co. ("Damascus"), N S, Pittsburgh, Pa.
Eastwood Wire Mfg. Co., Belleville, N. J.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Jarecki Mfg. Co., Erie, Pa.
LUNKENHEIMER CO., Executive offices & Factories: Beekman & Waverly, Cincinnati, O.
See adv index at end of book

4793— Fittings (Air Brake)

Crane Co., 836 S Michigan av, Chicago, Ill. *See adv index at end of book*
Jerecki Mfg Co., Erie, Pa.
Kelly & Jones Co., Greensburg, Pa.
See adv index at end of book

(*Continued on page* 1066)

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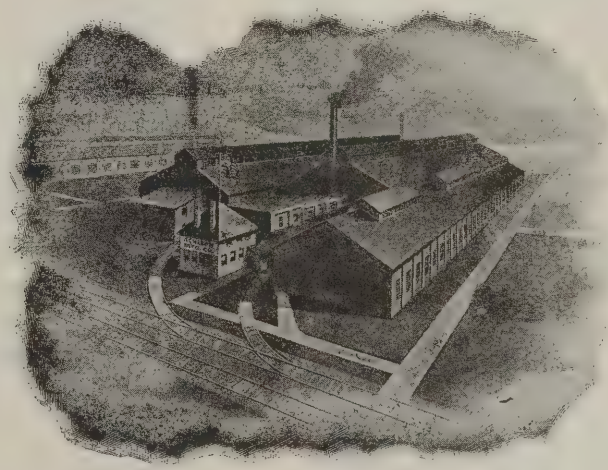
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Pittsburgh Valve & Fittings Co., Frick bldg, Pittsburgh, Pa.
Western Railway Equipment Co., Central Natl. Bank bldg, St. Louis, Mo.
Westinghouse Air Brake Co., Pittsburgh, Pa.
Westinghouse Traction Brake Co., Pittsburgh, Pa.

4794— Fittings (Ammonia)

Arctic Ice Machine Co., Canton, O.
See adv index at end of book
Baker Ice Machine Co., Omaha, Neb.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Braman, Dow Co., 239 Causeway, Boston, Mass.
Brunswick Refrigerating Co., New Brunswick, N. J.
Columbus Iron Works, Columbus, Ga.
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Creamery Package Mfg. Co., 61 W Kinzie, Chicago, Ill.
Frick Co., Waynesboro, Pa.
Great Lakes Engineering Works (Semi-Steel), Real Est. Exch. bldg, Detroit, Mich.
Hydraulic Press Mfg. Co. ("H. P. M."), 24 Lincoln av, Mount Gilead, O.
See adv index at end of book
Jarecki Mfg. Co., Erie, Pa.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
LUNKENHEIMER CO., Executive offices & Factories: Beekman & Waverly, Cincinnati, O.
See adv index at end of book
Nason Mfg. Co., 71 Fulton, New York
See adv index at end of book
Niebling F. W. Co., 406 Elm, Cincinnati, O.
Pa. Engng. Co., 1119H N Howard, Phila, Pa.
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
Shipley Constr. & Supply Co., ft of Warren, Brooklyn, N. Y.
Triumph Ice Machine Co. (Steel), Oakley, Cincinnati, O.
VILTER MFG. CO., 1046 Clinton, Milwaukee, Wis. *See adv index at end of book*
Vulcan Iron Works, 1849 Kearny, San Francisco, Cal.
Wegner Machine Co., 78 Main, Buffalo, N. Y.
York Mfg. Co., York, Pa.
Williams J. H. & Co. (Flanges & Ferrule Forgings), 400 Vulcan, Buffalo, N. Y.

4795—Fittings (Awning Frame)

Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Pancoast Henry B. Co., 950 N Front, Phila., Pa.

4796— Fittings (Bakers' Oven)

Robson Chas. & Co., 8th & Washington av, Philadelphia, Pa.
Watkins Jas. Y. & Son, 20 Catherine, New York

4797—Fittings (Bath, Supply & Waste)

Central Brass Mfg. Co. ("Central"), 6206 Cedar, Cleveland, O.
Dubois F. N. & Co. ("Apex"), 247 9th av, New York
Edwardsville Brass Co., Edwardsville, Ill.
Elgin Brass Co., 207 Pearl, New York
Haydenville Co., Haydenville, Mass.
Mueller H. Mfg. Co., Decatur, Ill.
See adv index at end of book
Phoenix Metal Stamping Co., 2827 W Fletcher, Phila., Pa.
United Brass Mfg. Co. ("United"), 3844 Hamilton av, Cleveland, O.
Weiskittle A & Sons Co., 12th & E Lombard, Baltimore, Md.
Wise J. B., Inc. ("Wisco"), Watertown, N. Y.

4797a— Fittings (Boiler)

Bethlehem Shipbuilding Corp. Ltd., Bethlehem, Pa.
Detroit Brass & Malleable Works (Malleable Iron), 1117 Holden, Detroit, Mich.
Illinois Malleable Iron Co., 1801H Diversey blvd, Chicago, Ill.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Walworth Mfg. Co., 793H 1st S. B., Boston, Mass.

4798— Fittings (Brass Pipe)

ACHESON MFG. CO., Rankin, Pa.
See adv index at end of book
American Brass & Copper Co., 138 Lafayette, New York
Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
Barrett James Mfg. Co., 117 Pearl, Boston, Mass.
Belfield H. Co., 435 N Broad, Phila., Pa.
Belknap Mfg. Co., 800 Union av, Bridgeport, Conn.
Bethlehem Shipbuilding Corp. Ltd., Dept. H, Broadhead and Parker av, Bethlehem, Pa.
Buckeye Iron & Brass Works, Dayton, O.
Coast Supply Co., 590 Howard, San Francisco, Cal.
CRANE CO. (Also Iron and Steel), 836 S. Michigan av, Chicago, Ill.
See adv index at end of book
Dalton-Ingersoll Mfg. Co., 365 Atlantic av, Boston, Mass.
Detroit Lubricator Co., Detroit, Mich.
Detroit Sanitary Supply Co., 5905 Second, Detroit, Mich.
Eastwood Wire Mfg. Co., Belleville, N. J.
Fewless-Leen Brass & Iron Co., 610 E. Front, Cincinnati, O.
Fords & Kendig Co. (Dirs.), 1428 Callowhill, Phila., Pa.
Garratt W. T. & Co., 227H Fremont, San Francisco, Cal.
Greenberg's M. & Son, Folsom & Alice, San Francisco, Cal.
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
Hamlin & Emery Brass Co., 49 Island, Boston, Mass.
Hancock Mfg. Co., Charlotte, Mich.
Harris Arthur & Co., 212 Curtis, Chicago, Ill.
Hoffmann B. Mfg. Co., 257 6th, Milwaukee, Wis.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Jarecki Mfg. Co., Erie, Pa.
Jenkins Mfg. Co., Bloomfield, N. J.
KELLY & JONES CO. THE, Greensburg, Pa. *See adv index at end of book*
Kinsey & Mahler Co., Peoria, Ill.
Larkin, J. K. & Co., 253 Broadway, New York. *See adv index at end of book*
Leslie Co. (High Pressure Steam), Lyndhurst, N. J.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, Ohio
See adv index at end of book
McCambridge Co., 315 No 20th, Phila., Pa.
McMann & Taylor Co., 104 John, New York
See adv index at end of book
McNab & Harlin Mfg. Co., Paterson, N. J.
McRae & Roberts Co., 100 S Campbell av, Detroit, Mich.
Michigan Lubricator Co., 3643 Beaubien, Detroit, Mich.
Milwaukee Brass Mfg. Co., 251 Lapham, Milwaukee, Wis.
Mott J. L. Iron Works, Trenton, N. J.
Mueller Co., Decatur, Ill.
Newman Mfg. Co., 420 Elm, Cincinnati, O.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Powell Wm. Co., 2525 Spring Grove av, Cincinnati, Ohio
See adv index at end of book
Price Corcoran Pfister Co. ("P. C. P."), 2923 Humboldt, Los Angeles, Cal.
Richardson Edro Brass Co., 318 N Holliday, Baltimore, Md.
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
Rundle-Spence Mfg. Co., 63 2nd, Milwaukee, Wis.
Schaad, Paul, 179 Pearl, New York
Shaw Benj F. Co. (Cast Iron & Cast Steel), Wilmington, Del.
Sherman H. B. Mfg. Co., Battle Creek, Mich.
Simmons John Co., 110 Centre, New York
See adv index at end of book
Speakman Supply & Pipe Co., Wilmington, Del.
Specialty Brass Co. Inc. (Sanitary Creamery), Kenosha, Wis.
Stebbins E. Mfg. Co., 16 Belvidere, Springfield, Mass.
Twentieth Century Brass Works, 514 Fifth av S, Minneapolis, Minn
United Lined Tube & Valve Co., 180 Franklin, Boston, Mass.
Walworth Mfg. Co., Boston, Mass.
Western Brass Mfg. Wks., Marshall blvd & 21st, Chicago, Ill.
Wolverine Brass Works, Grand Rapids, Mich.

4799—Fittings (Brass Pipe Railing)

Acheson Mfg. Co., Rankin, Pa.
See adv index at end of book
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
ILLINOIS MALLEABLE IRON CO., 1801 Diversey blvd, Chicago.
See adv index at end of book
Imperial Brass Mfg. Co., 1200 W. Harrison, Chicago, Ill.
Jenkins Mfg. Co., Bloomfield, N. J.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Larkin, J. K. & Co., 253 Broadway, New York *See adv index at end of book*
McNab & Harlin Mfg. Co., Paterson, N. J.
Newman Mfg. Co., 420 Elm, Cincinnati, O.
New York Brass Foundry Co., 403 Broome, New York
Pittsburgh Brass Mfg. Co., Penn & 32d, Pittsburgh, Pa.
Power Piping Co., Beaver & Western av, Pittsburgh, Pa.
Walworth Mfg. Co., 32H Pearl, Boston, Mass.
Western Brass Mfg. Wks., Dept. H, Marshall blvd & 21st, Chicago, Ill.
Wheeler Condenser & Engng. Co. ("Crescent Brand"), W. Carteret, N. J.

4799a— Fittings (Brine)

Crane Co., 836 S. Michigan av, Chicago, Ill.
See adv index at end of book
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Niebling F. W. Co., 406 Elm, Cincinnati, O.
Triumph Ice Machine Co., Oakley, Cincinnati, O.
York Mfg. Co., York, Pa.

4800— Fittings (Bronze)

ACHESON MFG. CO. Rankin, Pa.
See adv index at end of book
Eastwood Wire Mfg. Co., Belleville, N. J.
Jarecki Mfg. Co., Erie, Pa.
Kaltenthaler H. J., 234 Cherry, Phila., Pa.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, Ohio.
See adv index at end of book
McRae & Roberts Co., 100 S Campbell av, Detroit, Mich.
Newman Mfg. Co., 420 Elm Cincinnati, O.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Portland Co., Portland, Me.

4801— *Fittings (Car Heaters)

Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Broome, New York
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book

4802—Fittings (Cast Iron, for Gas & Water Mains)

BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Central Foundry Co. ("Universal"), 41 E. 42nd, New York
Coast Supply Co., 590 Howard, San Francisco, Cal.
Crown Iron Works Co., 1229 Tyler, Minneapolis, Minn.
Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
Davies & Thomas Co., Catasauqua, Pa.
Glenn Mfg. Co., St. Charles, Ill.
Grinnell Co., Inc., 275 W. Exchange, Providence, R. I.
Hercules Foundry Co., Boyle & Slawson avs, Los Angeles, Cal.
Jarecki Mfg. Co., Erie, Pa.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Kutztown Foundry & Machine Co., 1421 Chestnut, Phila., Pa.
See adv index at end of book
Los Angeles Valve & Fittings Co., 2741 Compton, Los Angeles, Cal.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
See adv index at end of book
McMann & Taylor Co., 104 John, New York
See adv index at end of book
Nason Mfg. Co. (Jobbers), 71 Fulton, New York
See adv index at end of book
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Pulaski Foundry & Mfg. Corp., 2424 Euclid av, Cleveland, Ohio
See adv index at end of book
Robinson Plumbing Supply Co. (Jobber), St. Paul, Minn.
Smith A. P. Mfg. Co., East Orange, N. J.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.
Wood R. D. & Co., 400 Chestnut, Phila., Pa.

Fittings (Cast Iron Pipe)

See Fittings, Pipe

4803— Fittings (Cast Steel)

American Foundry & Construction Co., 2d av & Longworth, Pittsburgh, Pa.
Bethlehem Shipbuilding Corporation Ltd., Bethlehem, Pa.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Hempfield Foundry, Greensburg, Pa.
Hydraulic Press Mfg. Co. ("H. P. M."), 24 Lincoln av, Mount Gilead, O.
See adv index at end of book
Kaltenthaler H. J., 234 Cherry, Phila., Pa.
KELLY & JONES CO., THE (Made of Electric Furnace Steel and we can safely recommend them for all kinds of high temperature and high pressure service. Can be furnished screwed ½" to 8" and flanged 1¼" to 24". We also have excellent facilities for furnishing all kinds of special steel fittings for any pressure or service. Send us your blue-prints and let us estimate), Greensburg, Pa.
See adv index at end of book
Larkin J. K. & Co., 253 Broadway, New York. *See adv index at end of book*

Los Angeles Valve & Fittings Co., 2741 Compton, Los Angeles, Cal.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McMann & Taylor Co., 104 John, New York *See adv index at end of book*
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Reading Steel Casting Co., Reading, Pa.
Strong Steel Foundry Co., Buffalo, N. Y.
Walworth Mfg. Co., 82H Pearl, Boston, Mass.
Wharton Wm. Jr. & Co., Inc. (Heavy), Easton, Pa.

4804— Fittings (Conduit)

Adapti Mfg. Co. ("Adapti" Locknut), 2990 E 72d, Cleveland, O.
Appleton Electric Co. ("Appleton" "Unilets"), Wellington & Paulina, Chicago, Ill.
Cap-Swivel Let Co., Warren, R. I.
Central Tube Co., 1st Nat'l Bank bldg, Pittsburgh, Pa.
Fairmount Electric & Mfg. Co. ("Bendhicks," "Arclets"), 59th & Woodland av, Phila., Pa.
Gillette-Vibber Co. ("G. V."), New London, Conn.
Killark Elec. Mfg. Co. ("Electrolet"), 3940 Easton av, St. Louis, Mo.
Mesa Fernando C. Co., Dept. H, Colt & Chancellor av, Irvington, N. J.
Multi Electrical Mfg. Co. ("Multi," "Powerlete"), 1848 W. 14th, Chicago, Ill.
Rattan Mfg. Co., New Haven, Conn.
Steel City Electric Co. ("Ovalduct"), Marchand" & "Star"), 1207 Columbus av, Pittsburgh, Pa.
Steelduct Co. ("Steelduct"), Dollar Bank bldg, Youngstown, O.
Thomas & Betts Co. ("Erickson" Couplings), 63 Vesey, New York
V. V. Fittings Co. ("V. V."), 711 Cherry, Phila., Pa.
Walker Henry L. Co., 27 E Jefferson av, Detroit, Mich.

4805— Fittings (Cross Over)

Acheson Mfg. Co., Rankin, Pa. *See adv index at end of book*
Detroit Brass & Malleable Works, 1177 Holden, Detroit, Mich.
Fee & Mason, 81 Beekman, New York
Grabler Mfg. Co., Cleveland, O.
Kaltenthaler H. J., 234 Cherry, Phila., Pa.
Kelly & Jones Co. The, Greensburg, Pa. *See adv index at end of book*

4806— Fittings (Drainage)

Clow Jas. B. & Sons, Franklin & Harrison, Chicago, Ill.
Coyne & Delany Co., 832 Kent av, Brooklyn, N. Y.
Crane Co., 836 S Michigan av, Chicago, Ill. *See adv index at end of book*
Detroit Brass & Malleable Works (Cast Iron), 1117 Holden, Detroit, Mich.
Essex Foundry (Cast Iron Screwed for Wrought Iron Pipe), Murray, Newark, N. J.
Glenn Mfg. Co. (Drainage), St. Charles, Ill.
Harris Pump & Supply Co., 318 Second av, Pittsburgh, Pa. *See adv index at end of book*
Hercules Foundries Inc., Boyle & Slauson avs, Huntington Park, Los, Anngeles, Cal.
Hess & Marsh ("Simplex"), 1614 S. Flower, Los Angeles, Cal.
ILLINOIS MALLEABLE IRON CO., 1801 Diversey blvd, Chicago *See adv index at end of book*
Jarecki Mfg. Co., Erie, Pa.
KELLY & JONES CO. THE, Greensburg, Pa. *See adv index at end of book*
Keystone Iron & Steel Wks., 37th & Santa Fe, av, Los Angeles, Cal.
Larkin J. K. & Co. (Pipe), 253 Broadway, New York. *See adv index at end of book*
McMann & Taylor Co., 104 John, New York *See adv index at end of book*
McNab & Harlin Mfg. Co. (Brass & Iron, Black & Galvanized), Paterson, N. J.
Nason Mfg. Co. (Jobbers), 71 Fulton, New Yurk *See adv index at end of book*
National Foundry Co. (1¼ to 6 inches), 10 Sanford, Brooklyn, N. Y.
New York Brass Foundry Co., 403 Broome, New York
Prier Brass Mfg. Co. ("Sieben" Combination), 15th & Blue River, Kansas City, Mo.
STOCKHAM PIPE & FITTINGS CO. (Cast Iron), Birmingham, Ala.
Turl Engng. Wks., Inc., 39 Cortlandt, New York
United Iron Works, Oakland. Cal.
Whiting-Mead Pottery Co. ("Poppy"), 415 E. 9th, Los Angeles, Cal.

Fittings (Electric Porcelain)

See Porcelain Specialties, Electric & Mechanical

4807— Fittings (Electrical)

Bethlehem Shipbuilding Corp. Ltd. (Marine Type), Dept. H, Broadhead & Parker av, Bethlehem, Pa.
Faries Mfg. Co. (Electric Light), Decatur, Ill.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Magnus Electric Co., Inc. ("Magnus"), 451 Greenwich, New York
Schlatter C. C. & Co. (Dlrs.), Fort Wayne, Ill.
Union Iron Works Co., 20th & Michigan, San Francisco, Cal.
Waterbury Button Corporation (Electric Instruments), 331 S Main, Waterbury, Conn. *See adv index at end of book*
WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa. *See adv index at end of book*

4808— Fittings (Ell)

ACHESON MFG. CO., Rankin, Pa. *See adv index at end of book*
Bethlehem Shipbuilding Corporation Ltd., Bethlehem, Pa.
Detroit Brass & Malleable Works, 1177 Holden, Detroit, Mich.
Edwardsville Brass Co. (Flush & Closet), Edwardsville, Ill.
Eureka Brass Works (Union Ells), 1040 Hulbert av, Cincinnati, O.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Kelly & Jones Co. The, Greensburg, Pa. *See adv index at end of book*
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Newman Mfg. Co., 420 Elm, Cincinnati, Ohio
Standard Brass Mfg. Co., Utica, N. Y.
Wilkinson W. H. Co. Inc., West Medway, Mass.

4809— Fittings (Flanged)

American District Steam Co., North Tonawanda, N. Y.
American Foundry & Construction Co., 2d av & Longworth, Pittsburgh, Pa.
AMERICAN SPIRAL PIPE WORKS (Forged Steel Pipe Flanges), Box 485, Chicago, Ill., & 50 Church, New York *See adv index at end of book*
Bethlehem Shipbuilding Corporation Ltd. (Pipe), Bethlehem, Pa.
Birdsboro Steel Foundry & Machine Co. (Iron, Steel & Semi-Steel), Birdsboro, Pa.
Clow Jas. B. & Sons, 534 S. Franklin, Chicago, Ill.
Columbus Iron Works (Heavy), Columbus, Ga.
Crane Co. (High Medium or Low Pressure), 836 S Michigan av, Chicago, Ill. *See adv index at end of book*
Crook H. E. Co., Inc. (Cast Iron), 28 Light Baltimore, Md.
Davies & Thomas Co. (Cast Iron, for Gas & Water Pipe, etc), Catasauqua, Pa.
Detroit Brass & Malleable Works, 1177 Holden, Detroit, Mich.
Direct Separator Co., Syracuse, N. Y.
Edward Valve & Mfg. Co. (And Screwed), East Chicago, Ind.
Essex Foundry (Cast Iron), Murray, Newark, N. J.
Fords & Kendig Co. (Dlrs.), 1428 Callowhill, Phila., Pa.
General Fire Extinguisher Co. (Cast Iron), Providence, R. I.
Georgia Iron Works (Pipe), Augusta, Ga.
Harris Pump & Supply Co., 318 Second av, Pittsburgh, Pa. *See adv index at end of book*
Hoffman B. Mfg. Co. (Cast Iron Standard & Extra Heavy), 257H 6th, Milwaukee, Wis.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Jarecki Mfg. Co., Erie, Pa.
Jefferson Union Co. ("Jefferson"), Lexington, Mass.
Kaltenthaler H. J. (Cast Iron, High & Low Pressure), 234 Cherry, Phila, Pa.
Kellogg M. W. Co., 90 West, New York *See adv index at end of book*
KELLY & JONES CO. THE (Standard & Extra Heavy Semi-Steel Brass & Cast Malleable Iron), Greensburg, Pa. *See adv index at end of book*


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Kennedy Valve Mfg. Co., Elmira, N. Y. *See adv index at end of book*
Keystone Iron Works, 37th & Santa Fear, Los Angeles, Cal.
Los Angeles Valve & Fittings Co., 2741 Compton, Los Angeles, Cal. Extra Heavy), 55 John, New York
Kries Henry A. & Sons Co., 8 W Lombard, Baltimore, Md.
Larkin J K & Co. (Pipe), 253 Broadway, New York. *See adv index at end of book*
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McMann James R. Co., 56 Gold, New York
McMann & Taylor Co. (Jobbers), 104 John, New York. *See adv index at end of book*
McNab & Harlin Mfg. Co. (Standard & Extra Heavy), Paterson, N. J.
Nason Mfg. Co. (Jobbers), 71 Fulton, New York *See adv index at end of book*
National Valve & Mfg. Co., 31st & Liberty, Pittsburgh, Pa.
New Bedford Boiler & Machine Co., New Bedford, Mass.
Newbury J. H. (Cast), Goshen, N. Y.
New York Brass Foundry Co. (Brass), 403
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Philadelphia Roll & Machine Co. (Pipe), 52d & Grays av, Phila., Pa.
Pittsburgh Gage & Supply Co. (Cast Iron), 30th & Liberty av, Pittsburgh, Pa.
Pittsburgh Piping & Equip. Co., 35th & Charlotte, Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Power Piping Co., Beaver & Western av, Pittsburgh, Pa.
Reading Steel Casting Co., Reading, Pa.
Reading Valve & Fittings Co. (Iron & Steel Pipe, Standard, Medium & Extra Heavy), Reading, Pa.
Shaw Benj. F. Co. (Cast Iron & Cast Steel), Wilmington, Del.
Shaw-Kendall Engng. Co., Toledo, O.
South Park Fdry. & Machine Co., St. Paul, Minn.
Standard Cast Iron Pipe & Foundry Co., Bristol, Pa.
Stein John J. (Steel Riveted), 30 Clay, Brooklyn, N. Y.
STOCKHAM PIPE & FITTINGS CO. (Cast Iron), Birmingham, Ala.
U. S. Cast Iron Pipe & Foundry Co., Burlington, N. J.
Victory Mfg. Co., Niles, Cal.
Walworth Mfg. Co., Boston, Mass.

4809a—*Fittings (Forged Steel)

Hydraulic Press Mfg. Co., 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*

4810—Fittings (Gas Fixture)

American Brass & Copper Co., 138 Lafayette, New York
Cleveland Gas & Electric Supply Co., 940 Prospect av, S E, Cleveland, O.
Detroit Brass & Malleable Works (& Bracket), 1117 Holden, Detroit, Mich.
Flagg Stanley G. & Co., Morris bldg, Phila., Pa.
Grinnell Co., Inc., 275 W. Exchange, Providence, R. I.
Horn & Brannen Mfg. Co., 427 N Broad, Phila., Pa.
Nason Mfg. Co. (Jobbers), 71 Fulton, New York *See adv index at end of book*
Reading Brass Wks. Inc. (Brass Chandelier), Reading, Pa.
Shapiro & Aronson, 20 Warren, New York
Standard Brass Wks., 2931H Wight, Detroit, Mich.
Utica Valve & Fixture Co., Utica, N. Y.
Waterbury Mfg. Co., Division Chase Companies, Inc., Waterbury, Conn.
Williamson R. Co., 601 Washington blvd, Chicago, Ill.

4811— Fittings (Gas Line)

American Foundry & Construction Co., 2d av & Longworth, Pittsburgh, Pa.
Harris Pump & Supply Co., 318 2d av, Pittsburgh, Pa. *See adv index at end of book*
Hays Mfg. Co., Erie, Pa.
Jarecki Mfg. Co., Erie, Pa.
Kelly & Jones Co. The, Greensburg, Pa. *See adv index at end of book*
LUNKENHEIMER CO. Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R. Pittsburgh, Pa.
STOCKHAM PIPE & FITTINGS CO. (Cast Iron), Birmingham, Ala.

4812— Fittings (Green House)

Coldwell-Wilcox Co. (Cast Iron), Newburgh, N. Y.
Crane Co., 836 S Michigan av, Chicago, Ill. *See adv index at end of book*
Glenn Fred. E., St. Charles, Ill.
Hitchings & Co., Dept. H, Spring, Elizabeth, N. J.

4812a—Fittings (Hard Rubber)

India Rubber Co., New Brunswick, N. J
Luzerne Rubber Co., Trenton, N. J.
U. S. RUBBER CO., 1790 Broadway, New York *See adv index at end of book*

Fittings (High Pressure)

See Fittings, Hydraulic

4813— Fittings (Hydraulic)

ACHESON MFG. CO., Rankin, Pa.
See adv index at end of book
American Foundry & Construction Co., 2d av & Longworth, Pittsburgh, Pa.
AM. SPIRAL PIPE WORKS, Box 485, Chicago, Ill., & 50 Church, New York
See adv index at end of book
Bethlehem Shipbuilding Corporation Ltd., Bethlehem, Pa.
Buckeye Iron & Brass Works, 322 E. 3rd, Dayton, Ohio
See adv index at end of book
Chambersburg Engineering Co. (Pipe, etc.), Chambersburg, Pa.
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Edward Valve & Manfg. Co. ("Edward" Steel, High Pressure), East Chicago, Ind.
Elmes, Chas. F. Engineering Works, Cor. Fulton and Sangamon, Chicago, Ill.
See adv index at end of book
French Oil Mill Machinery Co., Piqua, O.
Grinnell Co., Inc., 275 W. Exchange, Providence, R. I.
HYDRAULIC PRESS MFG. CO. ("H. P. M"), 24 Lincoln av, Mount Gilead, O.
See adv index at end of book

H-P-M HIGH PRESSURE FITTINGS



Hydraulic, Ammonia, Super-heated Steam, etc.
HYDRAULIC PRESS MFG. CO.
24 Lincoln Avenue Mount Gilead, Ohio

Jarecki Mfg. Co., Erie, Pa.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Larkin J. K. & Co., 253 Broadway, New York. *See adv index at end of book*
Los Angeles Valve & Fittings Co., 2741 Compton, Los Angeles, Cal.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McNab & Harlin Mfg. Co., Paterson, N. J.
Malleable Iron Fittings Co. ("M. I. F. Co.," Steel & Malleable Iron), Branford, Conn.
Metalwood Mfg. Co. (Steel), Leib & Wight, Detroit, Mich.
Moser Mfg. Co., Kane, Pa.
Nason Mfg. Co. (Jobbers), 71 Fulton, New York
See adv index at end of book
New York Brass Foundry Co., 403 Broome, New York
Oil Well Supply Co. (Cast Iron), 215 Water, Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Power Piping Co., Beaver & Western av, Pittsburgh, Pa.
Reading Steel Casting Co., Reading, Pa.
Shaw Benj. F. Co., Wilmington, Del.
SOUTHWARK FOUNDRY & MACHINE CO, 1128 S 4th, Phila., Pa.
See adv index at end of book
Walworth Mfg. Co., 82H Pearl, Boston, Mass.
WATSON-STILLMAN CO., 38 Church, New York *See adv index at end of book*

4814—Fittings (Iron Railing)

Crane Co., 836 S Michigan av, Chicago, Ill
See adv index at end of book
Detroit Brass & Malleable Works (Malleable Iron), 1117 Holden, Detroit, Mich.
Devlin Thos. Mfg. Co. (Adjustable, Malleable Iron), Lehigh av & 3rd, Phila., Pa.
Illinois Malleable Iron Co., 1801 Diversey, Chicago, Ill.
See adv index at end of book
Jarecki Mfg. Co., Erie, Pa.
Kelly Jones Co. The (Malleable Iron), Greensburg, Pa.
See adv index at end of book
KENNDY VALVE MFG. CO. (Malleable Iron), Elmira, N. Y.
See adv index at end of book
McNab & Harlin Mfg. Co., Paterson, N. J.
Malleable Iron Fittings Co, ("M. I. F. Co."), Branford, Conn.
Pancoast Henry B. Co. (Iron Pape, Malleable & Cast Iron & Brass), 950 N Front, Phila., Pa.
Walworth Mfg. Co., 82H Pearl, Boston, Mass.

4815— Fittings (Lead Lined)

Lead Lined Iron Pipe Co. (Brass & Iron), Wakefield, Mass.
United Lead Co., 111 B'way, New York

4815a— Fittings (Malleable)

Stockham Pipe & Fittings Co., Birmingham, Ala.

4815b—Fittings (Malleable & Brass Railing)

Am. Safety Lamp & Mine Supply Co., ("Brass Railing), 1327 Capouse av, Scranton, Pa.
Amos Chas. & Co. Inc., 3000 Hart av, Detroit, Mich.
Detroit Brass & Malleable Works (Malleable Only), 1177 Holden, Detroit, Mich.
Heath J. S. Co. (Brass Railing), Franklin & Ontario, Chicago, Ill.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Illinois Malleable Iron Co. (Malleable), 1801 Diversey blvd, Chicago, Ill.
See adv index at end of book
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book

4816— Fittings (Pipe)

See also Cast Iron Soil Pipe & Fittings; also Fittings, Various Kinds; also Unions

A & J. Mfg. Co. (Cast Iron & Malleable), 559 W Lake, Chicago, Ill.
Abendroth & Root Mfg. Co. (Cast Iron Flanged), Newburgh, N. Y.
See adv index at end of book
ACHESON MFG. CO. (Brass), Rankin, Pa.
See adv index at end of book
ALBERT & DAVIDSON PIPE CORP., 256-264 Oakland, Brooklyn, N. Y.
See adv index at end of book
American District Steam Co., N. Tonawanda, N. Y.
American Foundry & Construction Co., 2d av & Longworth, Pittsburgh, Pa.
Am Nickel Corp. (Nickel), Clearfield, Pa.
AM. SPIRAL PIPE WORKS (Large Cast Iron), Box 485, Chicago, Ill., & 50 Church, New York
See adv index at end of book
Atlas Valve Co. (Flexible & Swing Joint), 282 South, Newark, N. J.
Belfield H Co. (Brass), 435 N Broad, Phila., Pa.
Bethlehem Shipbuilding Corporation Ltd. (Soil, Cast Iron, Brass, Reducing, etc.), Bethlehem, Pa.
Builders' Iron Foundry (Cast Iron) ("Globe Specials"), 9 Codding, Providence, R. I.
Burrell D. H. & Co., Inc. ("Burrell-Simplex," Sanitary), Little Falls, N. Y.
Cast Iron Soil Pipe & Fittings Co., Birmingham, Ala.
Central Distributing Co., 944-950 Harper av, Detroit, Mich.
Central Foundry Co. (Cast Iron), 41 E 42d, New York
Chandler Boyd Supply Co. (Dirs.), 47H Terminal Way, Pittsburgh, Pa.
Clow Jas. B. & Sons (Steam), Franklin & Harrison, Chicago, Ill.
Coast Supply Co., 590 Howard, San Francisco, Cal.
Coldwell-Wilcox Co. ("Wilcox"), Newburgh, N. Y.
Columbus Brass Co. ("Abbott"), 620 Dublin, Detroit, Mich.
See adv index at end of book
Continental Supply Co., Post-Dispatch bldg, St. Louis, Mo.
CRANE CO. (Malleable & Cast Screwed or Flanged), 836 Michigan av, Chicago, Ill. *See adv index at end of book*
Darling Valve & Mfg. Co. ("Darling Cast Iron), Ft. of Walnut, Williamsport, Pa.
Davis Pipe & Fittings Co., Birmingham, Ala.
Detroit Brass & Malleable Works (Malleable Iron), 1117 Holden, Detroit, Mich
Devlin Thos. Mfg. Co. (Malleable Iron), 3d & Lehigh av, Phila., Pa.
Donovan R. J. Co., 217 Pearl, New York
Dougherty M. J. Co., Dept. H, 25th & Washington av, Phila., Pa.
Dunning Carl Supply Co. (Supplies), Indianapolis, Ind.
Duriron Castings Co. Inc. ("Duro"), Dayton, O.
Flagg Stanley G. & Co. (Malleable Iron), 1421 Chestnut, Philadelphia, Pa.
Flint & Walling Mfg. Co., Kendallville, Ind.
Fords & Kendig Co. (Dirs. Brass Malleable Iron & Steel Screwed & Flanged), 1428 Callowhill, Phila., Pa.
Fort Pitt Malleable Iron Co. (Malleable & Cast Iron), Thompson & Crawford, Pittsburgh, Pa.
Franklin Park Foundry Co., Franklin Park, Ill.
General Devices & Fittings Co. (Malleable), 441 S. Desplaines, Chicago, Ill.
Gilli Machine Co. (Cast Iron), Tonawanda, N. Y.
Glamorgan Pipe & Foundry Co. (Cast Iron), Lynchburg, Va.
Glenn Fred. E. (Cast Iron), St. Charles, Ill.
Grabler Mfg. Co. (Malleable Iron), Cleveland, O.
Grinnel Co., Inc., 275 W. Exchange, Providence, R. I.
GWILLIAM SUPPLY CO., 915 N. Front, Phila. Pa.
Harris Pump & Supply Co., 318 2d av, Pittsburgh, Pa.
See adv index at end of book
Hempfield Foundry, Greensburg, Pa.
Hercules Foundries Inc. (Cast Iron), Boyle & Slauson avs, Huntington Park, Los Angeles, Cal.
Herron R. H. Co. ("Oilwell"), 934H N Alameda, Los Angeles, Cal.
Hoffman B. Mfg. Co. (Cast Iron & Flanged), 257 6th, Milwaukee, Wis.
Hydraulic Press Mfg. Co. ("H. P. M."), 24 Lincoln av, Mount Gilead, O.
See adv index at end of book
ILLINOIS MALLEABLE IRON CO. (Malleable & Cast Iron, Flanged & Screwed), 1801 Diversey blvd, Chicago, Ill.
See adv index at end of book
Ill. Pipe Iron & Mfg. Co., 3465 S Lawndale av, Chicago, Ill.
INTERNATIONAL NICKEL COMPANY THE (Cast), 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Jarecki Mfg. Co. (Malleable & Cast Iron), Erie, Pa.
Jefferson Union Co. ("Jefferson"), Lexington, Mass.
Jewell Steel & Malleable Co., 1375 Potrero av, San Francisco, Cal.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
KELLY & JONES CO. THE (Malleable & Cast Iron), Greensburg, Pa.
See adv index at end of book
Kennedy Valve Mfg. Co., Elmira, N. Y.
See adv index at end of book
Kroeschell Bros. Co. (Cast Iron), 440 W Erie, Chicago, Ill.
Kuhns Bros., Dayton, O.
LARKIN & CO. J. K. (Wrought Iron Dirs.), 253 Broadway, New York
See adv index at end of book
Limbert Geo. B. & Co., 558 Fulton, Chicago, Ill.
Litchfield Foundry & Machine Co. (Cast Iron), Litchfield, Ill.
Los Angeles Valve & Fittings Co., 2741 Compton, Los Angeles, Cal.
Lumsden & Van Stone Co. ("Van Stone"), Dorchester, Boston, Mass.
LUNKENHEIMER CO. (Brass), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
See adv index at end of book
McMann James R. Co., 56 Gold, New York
McMann Supply Co. (Iron), 319 Pearl, New York
McMANN & TAYLOR CO., 104 John, New York. *See adv index at end of book*
McNab & Harlin Mfg. Co. (Cast & Malleable Iron), Paterson, N. J.
Malleable Iron Fittings Co. "M. I. F." Co." Malleable Iron), Branford, Conn.
Manning, Maxwell & Moore (Cast), Bridgeport, Conn.
Mott J. L. Iron Works, Trenton, N. J.
Mueller Co. (Lead), Decatur, Ill.
Nason Mfg. Co. (Jobbers), 71 Fulton, New York
See adv index at end of book
National Cast Iron Pipe Co. ("A. G. A."), Dept. H, Birmingham, Ala.
National Valve & Mfg. Co. ("Navco"), 3101 Liberty av, Pittsburgh, Pa.
Newbury J. G. Iron Works, Coxsackie, N. Y.
Newbury Jay H. (Cast Iron), Goshen, N. Y.
New Haven Screw Co., 199 Foster, New Haven, Conn.
See adv index at end of book
Nordeen Foundry Co., Everett, Wash.
Oil Well Supply Co. (Malleable & Cast Iron), 215 Water, Pittsburgh, Pa.
Pacific Foundry Co., 18th & Harrison, San Francisco, Cal.
Pancoast Henry B. Co. (Malleable Iron), 950 N Front, Phila., Pa.
Pidgeon-Thomas Iron Co., Memphis, Tenn.
Pittsburgh Gage & Supply Co., 30th & Liberty av, Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
POWER PIPING CO., Beaver & Western av, Pittsburgh, Pa.
Reading Steel Casting Co., Reading, Pa.
Reading Valve & Fittings Co. (Steel & Iron Screwed, Standard Medium & Extra Heavy), Reading, Pa.
Republic Pipe & Iron Corp., 23H Varick av, Brooklyn, N. Y.
See adv index at end of book
Republic Supply Co. (Jobbers), 123 Water, Pittsburgh, Pa.
Richardson-Phenix Co. ("R. P. Union-Cinch." Threadless, Clamps the Pipe), 131 2d, Milwaukee, Wis.
Rhode Island Fittings Co., Hills Grove, R. I.
Roe & Conver (Steam, Gas & Water Pipe & Fittings), 206 Frelinghuysen av, Newark, N. J.
Sacramento Pipe Works, Sacramento, Cal.
Shaw Benj. F. Co., Wilmington, Del.

Shaw-Kendall Engng. Co. (Jobbers), Toledo, O.
Sherman H. B. Mfg. Co. (Brass), Battle Creek, Mich.
Sholes Inc. (Cast), 186 Lafayette, New York
SIMMONS JOHN CO., 110 Centre, New York *See adv index at end of book*
SOUTHWARK FOUNDRY & MACHINE CO. (Hydraulic), 1128 S 4th, Phila., Pa. *See adv index at end of book*
Steere Engineering Co. (Gas), General Motors bldg, Detroit, Mich.
STOCKHAM PIPE & FITTINGS CO. (Cast Iron Flanged, Screwed & Drainage), Birmingham, Ala.
Strong Steel Foundry Co. (In the Rough), Buffalo, N. Y.
Tamaqua Mfg. Co. (Cast Iron), Tamaqua, Pa.
Threadless Pipe Fitting Co., 30 Columbia, Newark, N. J.
Townsend Foundry & Machine Shop Co. (Special), Broadway & Rennselaer, Albany, N. Y.
See adv index at end of book
United Iron Wks., Kansas City, Mo.
U. S. Cast Iron Pipe & Foundry Co., Burlington, N. J.
Vogt Machine Co. Henry (Forged), Louisville, Ky.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Walworth Mfg. Co. (Malleable & Cast Iron), Boston, Mass.
Waterbury Mfg. Co., Division Chase Companies, Inc., Waterbury, Conn.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
WOOD R. D. & CO., 400 Chestnut, Phila., Pa.
Youngstown Sheet & Tube Co. (The), Youngstown, Ohio

4817— Fittings (Pump)

Axelson Machine Co. ("Axelson" for Oil Well Pumps), Boyle av, Los Angeles, Cal.
Buffalo Steam Pump Co., Buffalo, N. Y.
Challenge Co., Batavia, Ill.
Elmes Chas. F. Engineering Wks. cor Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Goulds Mfg. Co., Seneca Falls, N. Y.
See adv index at end of book
Harris Pump & Supply Co., 318 2d av, Pittsburgh, Pa.
See adv index at end of book
Hydraulic Press Mfg. Co., 24 Lincoln av, Mount Gilead, O.
See adv index at end of book
Lanyon Mfg. Co. (Automobile), 865H Congress av, New Haven, Conn.
Rumsey Pump Co., Ltd., P. O. Box J, Seneca Falls, N. Y.
See adv index at end of book
Simmons John Co., 110 Center, New York
See adv index at end of book
U. S. Wind Engine & Pump Co., Batavia, Ill.

4818—Fittings (Push Button, Closet Tank)

Attwood Brass Works, Grand Rapids, Mich.
Church C. F. Mfg. Co. ("White Pyralin"), Holyoke, Mass.
Exeter Brass Works, Exeter, N. H.
Frost Mfg. Co., Kenosha, Wis.

Fittings (Railing)

See Fittings, Brass Pipe Railing; also Fittings, Iron Railing

4819— Fittings (Semi-Steel)

Albert & Davidson Pipe Corp., 256-264 Oakland, Brooklyn, N. Y.
See adv index at end of book
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Power Piping Co., 829 Beaver, Pittsburgh, Pa.

Fittings (Soil Pipe)

See Cast Iron Soil Pipe & Fittings Manufacturers

4819a— Fittings (Sprinkler)

Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Grinnell Co., Inc., 275 W. Exchange, Providence, R. I.
KELLY & JONES CO. THE, Greensburg, Pa. *See adv index at end of book*
See adv index at end of book

SPRINKLER FITTINGS



A complete line of every type for 150 lbs. water working pressure
Approved by
National Fire Protection Association
THE KELLY & JONES CO.
GREENSBURG, PA.

Rockwood Sprinkler Co. ("R. S. Co." for Water), Worcester, Mass.
Walworth Mfg. Co., 798 1st S.B., Boston, Mass.

4820—Fittings (Switchboard Pipe)

Electrical Engineers Equipment Co. (Malleable Iron), 711 Meridian, Chicago, Ill.

4821— Fittings (Tight Joint)

4822— Fittings (Vent)

ACHESON MFG. CO. (Brass), Rankin, Pa.
See adv index at end of book
Essex Foundry, Newark, N. J.
Pittsburgh Valve & Fittings Co., Frick bldg, Pittsburgh, Pa.
Prier Brass Mfg. Co., 15th & Blue River, Kansas City, Mo.
Sanitary Co., Dept. H, Linfield, Pa.
Swett A. L. Iron Works, Medina, N. Y.
Union Brass & Metal Mfg. Co., Lawson & Mackubin, St. Paul, Minn.
Wolverine Brass Works, Grand Rapids, Mich.

4822a— Fittings (Wire Rope)

Laughlin Thos. Co., 135 Fore, Portland, Me.
See adv index at end of book

FITTINGS, WIRE ROPE

Sockets, Thimbles, Clips ("Dirigo" Drop Forged), Shackles, Turnbuckles, Hooks, etc.

Send for catalogue.

The Thomas Laughlin Company
135 Fore Street Portland, Maine

Marine Hardware-Equipment Co., South Portland, Maine
Roebling's John A. Sons Co. ("Roebling"), Trenton, N. J.
See adv index at end of book
Wilcox Crittenden & Co. Inc., 444 S Main, Middletown, Conn.
See adv index at end of book

Wire Rope Fittings

Shackles, Turnbuckles, Thimbles, Hooks, Etc.

Wilcox, Crittenden & Co., Inc.

444 So. Main St., Middletown, Conn.

4823— Fittings (Y)

Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
MANNING MAXWELL & MOORE, INC. (Consolidated Safety Valve Co. Div.), 100 E. 42d, New York
See adv index at end of book

4824—Fixtures (Bank, Office & Store)

Cabinet Wood-Work

Acme Contractors, 343 Jeanette, Los Angeles, Cal.
Aetna Cabinet Co., Indianapolis, Ind.
Ainge P. T. Co., 29th & Nicolai, Portland, Ore.
Allen-Ivan-Marshall Co. (Jobbers), 44 Marietta, Atlanta, Ga.
American Bank Protection Co. (Steel), 1201 S 3rd, Minneapolis, Minn.
American Sash & Door Co., 16th & Bellefontaine, Kansas City, Mo.
Andrews A. H. Co., 107 Wabash av, Chicago, Ill.
Armstrong. Landon Co., Kokomo, Ind.
Ayers-Cihlar-Ransom Co., 426 Armour, Chicago, Ill.
Baker-Hickman Co., 1460 W Anaheim, Long Beach, Cal.
Bateman Wm., 1915 Bryant, San Francisco, Cal.
Bloom Alfred Co., Omaha, Neb.
Braas & Kuhn Co., 1917 Bryant, San Francisco, Cal.
Brawley T. R. (Felt, Chair Pads), 270 20th, Brooklyn, N. Y.
See adv index at end of book
Budde & Weis Mfg. Co., Jackson, Tenn.
Builders Supply Co., 32d & Hill av, Everett, Wash.
Bush Jas. S. Co., 239 B'way, New York
Carr, Ryder & Adams Co. (Wholesale Mfrs.), Dubuque, Ia.
Carr & Baal Co., Des Moines, Ia.
Carter Mfg. Co., Keokuk, Ia.
Cederquist Show Case & Fixture Co., 421 Colyton, Los Angeles, Cal.
Chryster & Koppin (Store), 819 W Warren av, Detroit, Mich.
Claus A. Mfg. Co., 5701 Walworth av, Cleveland, O.
Cleveland Store Fixture Co., 1305 E 40th, Cleveland, O.
Cole Mfg. Co., 789 S. 4th, Memphis, Tenn.
Columbia Lumber & Mfg. Co., Columbia, S. C.
Commercial Fixture Co., 914 S Alameda, Los Angeles, Cal.
Corlett Planing Mill Co., Napa, Cal.
Cowan Show Case & Fixture Co., 327 N San Pedro, Los Angeles, Cal.
Crescent Mfg. & Bldg. Co., 1318 Belmont, Portland, Ore.
Curtis Bros. & Co., Clinton, Ia.
Davidson J. L. Co. ("K-D"), 644-48 Mateo, Los Angeles, Cal.
Davis Mfg. Co., 68 Orchard, San Jose, Cal.
Decatur Fountain Co., Decatur, Ill.
Display Fixture & Mfg. Co, 935 Howard, San Francisco, Cal.
Donn Mfg. Co., 920 S. 1st, San Jose, Cal.
Doten-Dunton Desk Co., 25 Arch, Boston, Mass.
Ehlers & Smith, 557 Mission, San Francisco, Cal.
Ehrlich H. & Sons Mfg. Co., St. Joseph, Mo.
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Federal Equipment Co., Carlisle, Pa.
Federal Steel Fixture Co., 3700 S. Halsted Chicago, Ill.
Fink & Schindler Co., 228H 13th, San Francisco, Cal.
Forbes A. J. & Son, 1530 Filbert, San Francisco, Cal.
Fresno Show Case & Fixture Co., 1805 Anna, Fresno, Cal.
Fridman Lumber Co., New Richmond, O.
GENERAL FIREPROOFING CO. (THE), 2308 Logan av, Youngstown, O.
See adv index at end of book
Grand Rapids Show Case Co. (Wood, Store Only), Grand Rapids, Mich.
Gribben Lumber Co., Chicago & Walker, St. Paul, Minn.
Hagerstown Mantel & Furniture Co., Hagerstown, Md.
Hamburger E. & Co., 139 Emerson pl, Brooklyn, N. Y.
Hansen Nills Mfg. Co., 2222 2nd av, Seattle, Wash.
Highland Wood-working Co., 1223 N Highland av, Los Angeles, Cal.
Himmel M. L. & Son, 113 Gay, Baltimore, Md.
Home Mfg. Co., 552 Brannan, San Francisco, Cal.
Huck Mfg. Co., Quincy, Ill.
Huttig Mill Work Co., Independence rd & White av, Kansas City, Mo.
Improved Office Partition Co., Elmhurst, New York
Inland Fixture Co., N. 2924 Martin, Spokane, Wash.
Inter-Ocean Cabinet Co. (Bakers), 320 S Paulina, Chicago, Ill.
Kaaz Mfg. Co., Atchison, Kan.
Kautz Mfg. Co., 891 Nicolai, Portland, Ore.
Kellogg M. U. & Son, 4526 8th av, S., Seattle, Wash.
Kleeman W. & Co., 101 Park av, New York
Knittel Jos. Show Case Co., Quincy, Ill.
Knoff Mfg. Co., Mankato, Minn.
Koehler & Hinrichs, St. Paul, Minn.
Krotzer & Olin, 547 4th, San Diego, Cal.
Kulchar S. & Co., 8th av & E 10th, Oakland, Ill.
Lampkin Furniture & Fixture Mfg. Co., Inc., E. 101 De Smet, Spokane, Wash.
Loetscher & Burch Mfg. Co., Des Moines, Ia.
Lookout Planing Mills, E. Main, Chattanooga, Tenn.
Lutke Mfg. Co., 760 E 22nd, Portland, Ore.
McGuire Cabinet Co., 1514 Hooper av, Los Angeles, Cal.
McLean W. M. Mfg. Co. ("Good" Display Cases & Units for Retail Stores), 729 Herron av, Pittsburgh, Pa.
Maclean J. S., Spring & Water, Columbus, O.
Mallander Co., Waco, Texas
Markert Mfg. Co., Syracuse, N. Y.
Marshall James I. Mfg. Co., 450-52 Hoyt, Portland, Ore.
Marysville Cabinet Co., Marysville, O.
Miller & Danielson, 2211 E 38th, Los Angeles, Cal.
Moline Furniture Works, Moline, Ill.
Morgan Lumber & Mfg. Co., Charleston, W. Va.
Mullen Mfg. Co., 64 Rausch, San Francisco, Cal.
Multiplex Display Fixture Co. (Automatic Display), 918 N 10th, St. Louis, Mo.
Murray Cabinet & Show Case Co., 1225 E. Fresno, Cal.

(Continued on following page)

Fixtures (Bank, Office & Store)—Continued

National Show Case & Fixture Co., 223 E 9th, Los Angeles, Cal.
Neiderer J. Co., 3409 S. Main, Los Angeles, Cal.
Newman Mfg. Co., 420 Elm, Cincinnati, O.
New York Store Fixture Co., 5 E 127th, New York
New York Wood Working Corp., 502 E 19th, New York
Northwestern Furniture Co., 271 W Water, Milwaukee, Wis.
Northwestern Marble & Tile Co., 27th av S & 27th, Minneapolis, Minn.
Ohmer's M. Sons Co., Dayton, O.
Ostlund & Johnson, 1901 Bryant, San Francisco, Cal.
Pacific Mfg. Co., Santa Clara, Cal.
Pasadena Show Case & Fixture Co., 24 Mercantile pl, Pasadena, Cal.
Pasadena Woodcraft, 44 S Raymond, Pasadena, Cal.
Peterson Show Case & Fixture Co., 5700 S San Pedro, Los Angeles, Cal.
Phoenix Furniture Co., Eau Claire, Wis.
Purcell Cabinet Co., 926 Irvington av, Huntington Park, Cal.
Rochester Show Case Works, Rochester, N. Y.
Royal Show Case Co., 759 McAllister, San Francisco, Cal.
St. Louis Bank Equipment Co., 811 Walnut, St. Louis, Mo.
Schick-Johnson Co., 1737 N Paulina, Chicago, Ill.
Schiefer & Sons, 8th & J, San Diego, Cal.
Schmid John 58 Oak, San Francisco, Cal.
Schwarzwaelder W. & Co., Chichester, N. Y.
Segale Mfg. Co., 68 E Spring, Columbus, O.
Shaw Furniture Co., Cambridge, Mass.
Shaw Show Case Co., 235 5th, N. Seattle, Wash.
Schnelby & Hostrawser, 6th & Jackson, Oakland, Cal.
Sjostrom John E. Co., 1715 N 10th, Phila., Pa.
Skow Mfg. Co., Newton, Ia.
Southern Cal. Hardwood & Mfg. Co., 1430 S Alameda, Los Angeles, Cal.
Springfield Pl'g Mill, Lumber & Constr. Co., Springfield, Mo.
Standard Cabinet Works, 1800 E Washington, Los Angeles, Cal.
Standard Mfg. Co., Appleton, Wis.
Standard Mfg. Co., 715 W Spokane, Seattle, Wash.
Steel Equipment Corp., Avenel, N. J.
Stillwater Mfg. Co., Stillwater, Minn.
Storandt J. W. Mfg. Co., Rochester, N. Y.
Stow & Davis Furniture Co., Grand Rapids, Mich.
Tate-Jones & Co., Inc., Pittsburgh, Pa.
Taylor Wm. M. Mantel & Grate Co. (Wood), 331 S Hill, Columbus, O.
Toledo Desk & Fixture Co., Toledo, O.
Universal Woodworking Co., 104 N 3rd, Portland, Ore.
Uphus A. J. & Co. ("Artkraft"), 2315 Western av, Seattle, Wash.
Van Dorn Iron Works Co. (The), 2700 E 79th, Cleveland, Ohio
See adv index at end of book
Vernon Fixture & Cabinet Co., Audrey & St. Charles, Los Angeles, Cal.
Walrus Mfg. Co., Decatur, Ill.
Wearin J. H. & Co., Charlotte, N. C.
Weary & Alford Co., 1732 Michigan av, Chicago, Ill.
Weber Show Case & Fixture Co., 440 Seaton, Los Angeles, Cal.
West Woodworking Co., 308 Nada, Chicago, Ill.
Wheat Cabinet Co., 1741 E 15th, Los Angeles, Cal.
Wholson Planing Mill Co., 405 N Mulberry, Lancaster, Pa.
Whitcomb Cabinet Co., 14th & Chestnut, Kansas City, Mo.
Winner H. H. Co., Cunard bldg, San Francisco, Cal.
Williams & Hunting Co., Cedar Rapids, Ia.
Wilson J. G. Corp. (Office Partitions, Wood, Folding), 8 W 40th, New York
Winter Co., Sheboygan, Wis.
Wisconsin Iron & Wire Co., Milwaukee, Wis.
Wohlman Mfg. Co. Inc., 4800 Santa Fe av, Los Angeles, Cal.

4824a— *Fixtures (Bronze Lighting)

Herwig Co. (The), 1753-59 Sedgwick st, Chicago, Ill.
See adv index at end of book

Fixtures (Car Door)

See Car Doors & Fittings

4824a1—Fixtures (Cellar Window)

See also Cellar Window Sets

McKinney Mfg. Co., Locust, Pittsburgh, Pa.
National Mfg. Co., Sterling, Ill.
Stanley Works, New Britain, Conn.
See adv index at end of book

4824b— *Fixtures (Clamp)

Adjustable Clamp Co., 220 N. Jefferson, Chicago, Ill.
Christiansen C., 2814 26th, Chicago, Ill.
Cincinnati Tool Co., Norwood, Cincinnati, Ohio
Handy Mfg. Co., 29 E. Madison, Chicago, Ill.

4824c— Fixtures (Cross-Arm Extension)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

4825—Fixtures (Electric, Adjustable Wall & Ceiling)

Adjustable Fixture Co., 305 Mfgrs. Home, Milwaukee, Wis.
Aladdin Industries Inc. (Adjustable Extension), 601 W. Lake, Chicago, Ill.
Coffin Valve Co. ("Neponset"), Neponset, Boston, Mass.
Farles Mfg. Co., Decatur, Ill.
Franks W. S. Mfg. Co., Rock Island, Ill.
Hawker W. S. Mfg. Co., 458 E Bacon, Dayton, O.
Herwig Co. (The), 1753-59 Sedgwick st, Chicago, Ill.
See adv index at end of book
Hill, W. H., Cambridge Springs, Pa.
Keith Mfg. Co., Clinton, N. Y.
Lindblad K. F. M., 65 Sudbury, Boston, Mass.
McCrosky Tool Corp., Dept. H, Meadville, Pa.
McFaddin H. G. & Co. ("Mefcolite"), 38 Warren, New York
National Plastic Relief Co., 907 Evans, Cincinnati, O.
White J. H. Mfg. Co., 111 N 3d, Brooklyn, N. Y.
White O. C. Co., 17 Herman, Worcester, Mass.
Wormser Glass Co. (Ceiling Bowls), 2nd & Sylvan avs, Pittsburgh, Pa.

4825a—Fixtures (Electric Current Distribution)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

4826— Fixtures (Flag Pole)

Bolander L. Ph. & Son, 954 Bryant, San Francisco, Cal.
Howes Forest E. ("Buckley Non-Tangle"), 263 Northampton, Boston, Mass.
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*

4827—Fixtures (Hardware Display)

Ahedo E., 1157 Folsom, San Francisco, Cal.
Fearon Brown Co. (Imp.), 96 Wall, New York
Garden City Plating & Mfg. Co., 1430 S Talman av, Chicago, Ill.
Knape & Vogt Mfg. Co. ("Ideal & Victor" Adjustable Standards & Brackets), Grand Rapids, Mich.
Multiplex Display Fixture Co. ("Multiplex"), 918 N 10th, St. Louis, Mo.
Warren J. D. Mfg. Co., 159 N State, Chicago, Ill.

4828— Fixtures (Hay Rack)

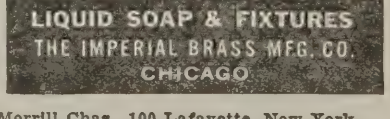
Cleveland-Akron Bag Co., 1890 E 40th, Cleveland, O.
Myers F. E. & Bro., 950 Orange, Ashland, O.
See adv index at end of book
Pratt Wm. E. Mfg. Co. ("Hemm's"), 35 W Lake, Chicago, Ill.

4828a— Fixtures (Laboratory)

Alberene Stone Co., 153 W. 23rd, New York
Art Metal Construction Co. (Steel), Jamestown, N. Y.

4829—Fixtures (Liquid Soap)

Anchor Core Economy Soap Co. (Sliding Chain Sink Faucet Bracket Attachments), 136 W Lake, Chicago, Ill.
Economy Hang Up Soap Co., 136 W. Lake, Chicago, Ill.
Fergusson, Alex. C. Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Imperial Brass Mfg. Co. ("Watrous"), 1200 W. Harrison, Chicago, Ill.



Morrill Chas., 100 Lafayette, New York
See adv index at end of book

4829a— Fixtures (Outdoor Lighting)

Herwig Co. (The), 1753-59 Sedgwick st, Chicago, Ill.
See adv index at end of book

4830—*Fixtures (Outlet, Coal Chute)

LINK-BELT COMPANY, 300 W. Pershing rd, Chicago, Ill.
See adv index at end of book

4831— Fixtures (Silo)

CRAINE SILO CO., INC. (Crainelox Silo Coverings), 27 Sheldon st, Norwich, N. Y.
See adv index at end of book
Iowa Tank & Silo Co., Waterloo, Iowa
Kalamazoo Tank & Silo Co., Kalamazoo, Mich.
New Monarch Machine & Stamping Co. (Iron & Steel), Des Moines, Iowa
Tate-Jones & Co., Inc., Pittsburgh, Pa.

4832-3—Fixtures (Street Lighting)

Benjamin Electric Mfg Co., 120 S Sangamon, Chicago, Ill.
Cutter George Works of Westinghouse Elec. & Mfg. Co. (Equipment), South Bend, Ind.
Flour City Ornamental Iron Co. ("Corinthian" Standard Tungsten Light for Cities), 27th & 27th av, Minneapolis, Minn.
Harter Mfg. Co. ("Nitrolites," "Deluxlites"), 524 S Clinton, Chicago, Ill.
Tate-Jones & Co., Inc., Pittsburgh, Pa.
Union Tank & Pipe Co., 2801 Santa Fe av, Los Angeles, Cal.
Welsbach Street Lighting Co. of Am., 1924 Market, Phila., Pa.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

4834—Fixtures (Street Series, Electric Lamp)

Brascolite Co., Jefferson & Washington av, St. Louis, Mo.
Philadelphia Electrical & Mfg. Co. ("Pemco"), 1236 N 31st, Phila., Pa.
Wheeler Reflector Co. ("Wheeler"), 275 Congress, Boston, Mass.

4835—Fixtures (Tungsten Lamp)

Line Material Co., South Milwaukee, Wis.

4836— Fixtures (Tungstolier)

Tungstolier Works of General Elec. Co., Cleveland, O.

4836a—Fixtures (Wall, Sectional Interchangeable)

Grand Rapids Show Case Co., Grand Rapids, Mich.

4837— Flag Mfrs.

See also Bunting Mfrs.

American Flag Co., 73 Mercer, New York
American Flag Mfg. Co., Easton, Pa.
Anness H. W. & Co., 409 Pearl, New York
Annin & Co., 99 Fulton, New York
Bethlehem Shipbuilding Corp. Ltd., Dept. H, Broadhead and Parker av, Bethlehem, Pa.
Betsey Ross Flag Co., Newburgh, N. Y.
California Flag Mfg. Co., 27 Main, San Francisco, Cal.
CARPENTER & CO. GEO. B., 434 N Wells, Chicago
See adv index at end of book
Channon H. Co., 150 N Market, Chicago, Ill.
Chicago Flag & Decorating Co., 1345 S Wabash av, Chicago, Ill.
Cincinnati Regalia Co., 4th & Elm, Cincinnati, O.
De Grauw, Aymar & Co., 34 South, New York
Dettra Jno. C. & Co., Oaks, Pa.
Emerson Mfg. Co. ("Dreadnaught," "Educator" & "Emco"), 161 Natoma, San Francisco, Cal.
Geraghty & Co. (Pennant, Society, etc), 3035 W Lake, Chicago, Ill.
Goodell, Jas. M., Jr., Inc., 150 N Loramie, Chicago, Ill.
Goss J. C. Co., 36 E. Woodbridge, Detroit, Mich.
Greenwood-Atkinson-Armstrong Co., 423 Woodward, Detroit, Mich.
Healey Geo. R. Mfg. Co., 848 Santer, Los Angeles, Cal.
Hoegee Wm. H. Co. Inc., 138 S Main, Los Angeles, Cal.
Hoffman-Corr Mfg. Co., 312 Market, Phila., Pa.
Horstmann Wm. H. Co., 5th & Cherry, Phila., Pa.
Humphrys' R. A. Sons (Cotton or Wool Bunting), 1026 Callowhill, Phila., Pa.
See adv index at end of book
Kronke-Brampton Co., 3212 San Pablo av, Oakland, Cal.
Magee M. & Son, 147 Fulton, New York
Mills Andrew & Sons, 53 South, New York
Muehleisen Co., 1050 2nd, San Diego, Cal.
National Flag Co., 1012 Flint, Cincinnati, O.
Pasquale B. Co., Inc., 115 Post, San Francisco, Cal.
Passaic Print Works (Cotton), Passaic, N. J.
Plummer W. A. Mfg. Co., 37 Front, San Francisco, Cal.
Rehm & Co., 248 Greenwich, New York
Reproduction Co., 351 Jay, Brooklyn, N. Y.
Rowe E. L. & Son, Gloucester, Mass.
Seattle Tent & Awning Co., Postal Tel. bldg, Seattle, Wash.
Simpson & Fisher, 340 Steuart, San Francisco, Cal.

Ward-Stilson Co. (Bunting), Anderson, Ind.
Weeks-Howe-Emerson Co., 90 Market, San Francisco, Cal.
Welch W. M. Scientific Co., 1516 Orleans, Chicago, Ill.
Whitehead & Hoag Co. (Banners), 272 Sussex av, Newark, N. J.
Wyle J. J. & Bros. Inc. (Silk, also Banners), 20 E. 27th, New York

4837a— Flag Staffs

Bogert & Hopper, Inc. (Semaphore & Signal), 57 Barclay, New York
See adv index at end of book
Bolander L. Ph. & Son, 954 Bryant, San Francisco, Cal.
Estes E B. & Sons, 364 5th av, New York
See adv index at end of book
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Weeks-Howe-Emerson Co., 90 Market, San Francisco, Cal.
Wilcox, Crittenden & Co. Inc. (Lighted for Launches), 444 So. Main, Middletown, Conn.
See adv index at end of book

4837b— Flag Stands

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Laughlin Thos. Co., 135 Fore, Portland, Me.
See adv index at end of book
Weeks-Howe-Emerson Co., 90 Market, San Francisco, Cal.

4837c— Flagging Slate

Lehigh Structural Slate Mfg. Co., Bangor, Pa.
Old English Slate Quarries, 1128 O. S. bldg, Boston, Mass.
Ribble R. W. & Co., 1st & Broadway, Bangor, Pa.

4838—Flags (Railway Signal, Etc.)

American Flag Mfg. Co., Easton, Pa.
Carpenter Geo. B. & Co. (All Kinds & Descriptions), 440 North Wells, Chicago, Ill.
Chicago Railway Signal & Supply Co., 122H S Michigan av, Chicago, Ill.
Handlan-Buck Mfg. Co. ("Prahm" & "Lanius" Metallic, also Bunting), 210-14 N 3rd, St. Louis, Mo.
HUMPHRYS' R. A. SONS, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Patton R. J. & Co., 222 E 4th, Cincinnati, O.
Selby Safety Flag Co., Railway Exchange bldg, St. Louis, Mo.
Weeks-Howe-Emerson Co., 90 Market, San Francisco, Cal.

4838a— Flakes (Naphthalene)

Barrett Co., 17 Battery pl, New York
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Briggs Chemical Wks., Amherst, O.
Fergusson Alex C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Lambert Chemical Co., 400 N 3rd, St. Louis, Mo.
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book

4839— Flangers (Snow)

Q. & C. Co., 90 West, New York
Russell Car & Snow Plow Co., Ridgway, Pa.

4840— Flanges (Bibb)

American Foundry & Mfg. Co., (Brass), 11th & Hebert, St. Louis, Mo.
American Pin Co. ("Ampinco"), Waterbury, Conn.
Crane Co., 836 S. Michigan av., Chicago, Ill.
See adv index at end of book
Glauber Brass Mfg. Co. (Brass), 79th & Platt av, Cleveland, O.
Pacific Faucet Mfg. Co., 940 E 60th, Los Angeles, Cal.
McRae & Roberts Co., 100 So. Campbell av, Detroit, Mich.
Mt. Carmel Mfg. Co. (Brass), Dept. H, Mt. Carmel, Conn.

4840a— Flanges (Blind Pipe)

Bethlehem Shipbuilding Corporation Ltd., Bethlehem, Pa.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Lynchburg Foundry Co., Lynchburg, Va.
Pitts Valve Fdy. & Constr. Co., 26th & A. V. RR., Pittsburgh, Pa.
Power Piping Co., Beaver & Western av Pittsburgh, Pa.
Stockham Pipe & Fittings Co. (Cast Iron & Semi-Steel), Birmingham, Ala.
Walworth Mfg. Co., 82H Pearl, Boston, Mass.

4841—Flanges (Boiler, Forged Steel)

Allis-Chalmers Mfg. Co. (Flanged & Pressed Plate Work), Milwaukee, Wis.
See adv index at end of book
AM. SPIRAL PIPE WORKS, Box 485, Chicago, Ill., & 50 Church, New York
See adv index at end of book
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Cal Well Tool & Machine Works, 1033 Alhambra av, Los Angeles, Cal.
Castle A. M. & Co. (& Tank. "Castle"), 1132 Blackhawk, Chicago, Ill.
Crane Co., 836 S. Michigan av, Chicago, Ill.
See adv index at end of book
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Kropp Forge Co., 5301 Roosevelt rd, Chicago
See adv index at end of book
Pressed Steel Co. (Cold, Large Quantities), N Penn av, Wilkes Barre, Pa.
Ryerson Jos. T. & Son, Inc., 2558 W. 16th, Chicago, Ill. *See adv index at end of book*
Sundberg Co., 1024 W Kinzie, Chicago, Ill.
Union Switch & Signal Co., Swissvale, Pa.

4841a—Flanges (Boiler Manhole)

Heggie, James G. & Sons, Inc., Joliet, Ill.

4842— Flanges (Brass)

Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
Bethlehem Shipbuilding Corporation, Ltd., Bethlehem, Pa.
Bridgeport Brass Co., Dept. H, Bridgeport, Conn.
Crane Co., 836 S. Michigan av, Chicago, Ill. *See adv index at end of book*
Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, O.
Greenberg's M. & Son, Folsom & Alice, San Francisco, Cal.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Kelly & Jones Co. (The), Greensburg, Pa.
See adv index at end of book
Klipstein A. & Co. ("Bemanco" Brass Floor, 644 Greenwich, N. Y.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
See adv index at end of book
McNab & Harlin Mfg. Co. Paterson, N. J.
McRae & Roberts Co., 100 So. Campbell av, Detroit, Mich.
Newman Mfg. Co., 420 Elm, Cincinnati, O.
New York Brass Foundry Co., 403 Broome, New York
Pacific Faucet Mfg. Co., 940 E 60th, Los Angeles, Cal.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
United States Hdwe & Mfg. Co. (Closet Floor), 16H Warren av, Pawtucket, R. I.
Walworth Mfg. Co., 82H Pearl, Boston, Mass.
Waterbury Button Corporation, 831 So. Main, Waterbury, Conn.
See adv index at end of book
Zeigler Mfg. Co., Alexandria, Ind.

4843—Flanges (Cast & Malleable Iron)

American Foundry & Construction Co., 2d av & Longworth, Pittsburgh, Pa.
American Foundry & Mfg. Co. (Cast Iron), 11th & Hebert, St. Louis, Mo.
Bethlehem Shipbuilding Corporation Ltd., Bethlehem, Pa.
Crane Co., 836 S. Michigan av, Chicago, Ill.
See adv index at end of book
Detroit Brass & Malleable Works, 1177 Holden, Detroit, Mich.
Donaldson Iron Co., Emaus, Pa.
Grinnell Co., Inc., 275 W. Exchange, Providence, R. I.
Harris Pump & Supply Co., 818 2d av, Pittsburgh, Pa.
See adv index at end of book
Hays Mfg. Co. (Cast Iron), Erie, Pa.
Hoffman B. Mfg. Co. (Standard & Extra Heavy), 257H 6th, Milwaukee, Wis.
ILLINOIS MALLEABLE IRON CO., 1801 Diversey blvd, Chicago, Ill.
See adv index at end of book
Kaltenthaler H. J. (Grey & Gun Iron, Cast Steel & Bronze), 234 Cherry, Phila., Pa.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Kennedy Valve Mfg. Co. (Cast Only), Elmira, N. Y. *See adv index at end of book*
Kutztown Foundry & Machine Co., 1421 Chestnut, Phila., Pa.
See adv index at end of book
LUNKENHEIMER CO. (Cast) Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
See adv index at end of book
McMann & Taylor Co., 104 John, New York
See adv index at end of book
NcNab & Harlin Mfg. Co., Paterson, N. J.
Malleable Iron Fittings Co. ("M. I. F. Co." Mall.), Branford, Conn.
National Malleable Casting Co. (Malleable Iron), 7706 Platt, S E, Cleveland, O.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Philadelphia Roll & Machine Co. (Cast Iron & Steel), 52d & Grays av, Phila., Pa.
Pittsburgh Piping & Equipment Co., 35th & Charlotte, Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Power Piping Co., Beaver & Western av, Pittsburgh, Pa.
Reading Valve & Fittings Co., Reading, Pa.
Standard Cast Iron Pipe & Foundry Co. (Grey Iron), Bristol, Pa.
United States Hdwe. & Mfg. Co. (Cast Iron), 16H Warren, Pawtucket, R. I.
Walworth Mfg. Co., 82H Pearl, Boston, Mass.

4844— Flanges (Companion)

American District Steam Co. (Slotted Angle & Adjustable Wedge), North Tonawanda, N. Y.
American Foundry & Construction Co., 2d av & Longworth, Pittsburgh, Pa.
Bethlehem Shipbuilding Corporation Ltd., Bethlehem, Pa.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Crane Co., 836 S. Michigan av., Chicago, Ill.
See adv index at end of book
Edward Valve & Mfg. Co., East Chicago, Ind.
Edward Valve & Mfg. Co. ("Edward" Heavy Forged Steel), Edison bldg, Chicago, Ill.
Essex Foundry, Murray, Newark, N. J.
Harris Pump & Supply Co., 818 2d av, Pittsburgh, Pa.
See adv index at end of book
Hershey Machine & Foundry Co., Manheim, Pa.
Kaltenthaler H. J., 234 Cherry, Phila., Pa.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Kennedy Valve Mfg. Co., Elmira, N. Y.
See adv index at end of book
KROPP FORGE CO., 5301 Roosevelt rd, Chicago
See adv index at end of book
LUNKENHEIMER CO., Executive Offices & Factories Beekman & Waverly, Cincinnati, O.
See adv index at end of book
McMann & Taylor Co., 104 John, New York
See adv index at end of book
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
STOCKHAM PIPE & FITTINGS CO. (Cast Iron & Semi-Steel), Birmingham, Ala.
Walworth Mfg. Co., 82H Pearl, Boston, Mass.

4845—Flanges (Floor, Closet Connection)

Acheson Mfg. Co., Rankin, Pa.
See adv index at end of book
Church C. F. Mdg. Co. ("White Pyralin"), Holyoke, Mass.
Crane Co., 836 S. Michigan av., Chicago, Ill.
See adv index at end of book
Edwardsville Brass Co., Edwardsville, Ill.
Eichman J. C. Mfg. Co., Bush & Wicomico, Baltimore, Md.
Fisher Specialty Co. (Jobbers), 326 Ogden av, Milwaukee, Wis.
Harris Pump & Supply Co., 818 2d av, Pittsburgh, Pa.
See adv index at end of book
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Kitson Co., 2815-2827 Oakford, Phila., Pa.
Mt. Carmel Mfg. Co., Dept. H, Mt. Carmel, Conn.
Pittsburgh Brass Mfg. Co. (Brass), Penn & 32d, Pittsburgh, Pa.
Prier Brass Mfg. Co., 15th & Blue River, Kansas City, Mo.
Standard Sanitary Mfg. Co. ("Durham" Ball Joint), Bessemer bldg, Pittsburgh, Pa.
Trenton Brass & Machine Co., Trenton, N. J.
Trenton Potteries Co. ("Donovan"), Trenton, N. J.
United States Hdwe. & Mfg. Co. (Brass & Grey Iron), 16H Warren av, Pawtucket, R. I.

4846—Flanges (Floor & Ceiling)

American Brass & Copper Co. (Brass Floor Flanges), 138 Lafayette, New York
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Pin Co. ("Ampinco"), Waterbury, Conn.
Crane Co., 836 S. Michigan av., Chicago, Ill.
See adv index at end of book
Detroit Brass & Malleable Works (Floor Only), 117 Holden, Detroit, Mich.
Edwardsville Brass Co. (Closet Floor), Edwardsville, Ill.
Glenn Mfg. Co., St. Charles, Ill.
See adv index at end of book
Hays Mfg. Co., Erie, Pa.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Modern Iron Works ("M. I. W."), Quincy, Ill.
Newbury J. H., Goshen, N. Y.
Pittsburgh Brass Mfg. (Brass Closet Floor), Penn & 32d, Pittsburgh, Pa.
Stockham Pipe & Fittings Co. (Cast Iron), Birmingham, Ala.
Trenton Potteries Co. ("Donovan" Closet Floor), Trenton, N. J.

(Continued on following page)

Flanges (Floor & Ceiling)—Cont.

Walworth Mfg. Co., 82H Pearl, Boston, Mass.
Waterbury Button Corporation, 831 So Main, Waterbury, Conn.
See adv index at end of book

4846a— Flanges (Fluehole)

Heggie, James G. & Sons, Inc., Joliet, Ill.

4847— Flanges (Hub)

AM. SPIRAL PIPE WORKS (Heavy Forged & Rolled Steel), Box 485, Chicago, Ill., & 50 Church, New York
See adv index at end of book
Am. Tube & Stamping Co. (Automobile, Tractor, etc), Dept. H, 471 Hancock, Bridgeport, Conn.
Bossert Corporation (The) (For Wood or Wire Automobile Wheels), Linden & West av, Utica, N. Y.
Commercial Shearing & Stamping Co., Youngstown, Ohio
Crosby Co., 183 Pratt, Buffalo, N. Y.
Gier Pressed Steel Co., Lansing, Mich.
Hartford Machine Screw Co., Hartford, Conn.
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Hydraulic Pressed Steel Co., 3152 E 61st, Cleveland, O.
Mossberg Frank Co. (Automobile & Carriage), Attleboro, Mass.
National Malleable Castings Co., 7706 Platt, S E, Cleveland, O.
Niles Steel Products Co., Niles, Ohio
See adv index at end of book
Oakes Co. (Automobile), Indianapolis, Ind.
Pressed Steel Co., N Penn av, Wilkes Barre, Pa.
Union Switch & Signal Co., Swissvale, Pa.
WORCESTER PRESSED STEEL CO., Worcester, Mass.
See adv index at end of book
Youngstown Pressed Steel Co., Warren, O.
See adv index at end of book
Zeigler Mfg. Co., Alexandria, Ind.

4848— Flanges (Pipe)

See also Fittings, Flanged, also Fittings, Pipe
Allegheny Forging Co., Keenan bldg, Pittsburgh, Pa.
American Foundry & Construction Co., 2d av & Longworth, Pittsburgh, Pa.
AM. SPIRAL PIPE WORKS, Box 485, Chicago, Ill., & 50 Church, New York
Bacon & Matheson Forge Co. (Ammonia), 17H W. Lander, Seattle, Wash.
Ballwood Co., The, 30 Church, New York
Beard Foundry & Machine Wks., Dept. H, Arkansas City, Kans.
Bethlehem Shipbuilding Corporation Ltd. (Drop Forged), Bethlehem, Pa.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Crane Co., 836 S. Michigan av, Chicago, Ill.
See adv index at end of book
DART E. M. MFG. CO. ("Dart"), 134 Thurbers av, Providence, R. I.
Detroit Brass & Malleable Works, 1177 Holden, Detroit, Mich.
Dougherty M. J. Co., Dept. H, 25th & Washington av, Phila., Pa.
Fairbanks Co. ("Dart"), 416 Broome, New York
Greenberg's M. & Son, Folsom & Alice, San Francisco, Cal.
Grinnell Co., Inc., 275 W. Exchange, Providence, R. I.
Harris Pump & Supply Co., 318 2d av, Pittsburgh, Pa.
See adv index at end of book
Jefferson Union Co. ("Jefferson"), Lexington, Mass.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Kennedy Valve Mfg. Co., Elmira, N. Y.
See adv index at end of book
Kropp Forge Co., 5301 Roosevelt rd, Chicago
See adv index at end of book
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McMann & Taylor Co., 104 John, New York
See adv index at end of book
Nason Mfg. Co. (Jobbers), 71 Fulton, New York
See adv index at end of book
National Valve & Mfg. Co. (Cast Iron), 31st & Liberty, Pittsburgh, Pa.
Pittsburgh Piping & Equipment Co., 35th & Charlotte, Pittsburgh, Pa.
Pittsburgh Valve Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
POWER PIPING CO., Beaver & Western av, Pittsburgh, Pa.
Pressed Steel Co. (Large Quantities), N Penn av, Wilkes Barre, Pa.
Robertson Bros. Mfg. Co. (Light Steel), 5405 S Western av, Chicago, Ill.
Shaw Benj F. Co., Wilmington, Del.
Standard Steel Works Co (Steel), Morris bldg, Phila., Pa.
STOCKHAM PIPE & FITTINGS CO. (Cast Iron & Semi-Steel), Birmingham, Ala.
Tamaqua Mfg. Co. (Cast Iron), Tamaqua, Pa.
Union Switch & Signal Co., Swissvale, Pa.
United States Hdwe & Mfg. Co. (Hanger & Swinging Hanger), 16H Warren av, Pawtucket, R. I.
Walworth Mfg. Co., 82H Pearl, Boston, Mass.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

4849—Flanges (Pipe, Forged Steel)

AM. SPIRAL PIPE WORKS, Box 485, Chicago, Ill., & 50 Church, New York
See adv index at end of book
Ballwood Co. (The), 30 Church, New York
Bethlehem Shipbuilding Corporation Ltd., Bethlehem, Pa.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Grinnell Co., Inc., 275 W. Exchange, Providence, R. I.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
KROPP FORGE CO., 5301 Roosevelt rd, Chicago
See adv index at end of book
Ladish Drop Forge Co., Cudahy, Wis.
McMann & Taylor Co., 104 John, New York
See adv index at end of book
Millersburg Fifth Wheel Co., Millersburg, Pa.
O'Leary Arthur J. & Son Co., 65th & 57th av, Chicago, Ill.
Phila. Steel & Iron Co., Commercial Trust bldg, Phila., Pa.
Power Piping Co., 829 Beaver, Pittsburgh, Pa.
Railway Steel Spring Co., 30 Church, New York
Shaw Benj F. Co., Wilmington, Del.
Standard Steel Works Co., Morris bldg., Phila., Pa.
Union Switch & Signal Co., Swissvale, Pa.
Walworth Mfg. Co., 82H Pearl, Boston, Mass.

4850—Flanges (Pipe, Pressed Steel)

Central Iron & Steel Co., Harrisburg, Pa.
Glasgow Iron Co., Pottstown, Pa.
Lukens Steel Co., Coatesville, Pa.
Power Piping Co., Beaver & Western av, Pittsburgh, Pa.

4851—Flanges (Pipe, Rolled Steel)

American Foundry & Construction Co., 2d av & Longworth, Pittsburgh, Pa.
AM. SPIRAL PIPE WORKS, Box 485, Chicago, Ill., & 50 Church, New York
See adv index at end of book
Ballwood Co. (The), 30 Church, New York
Bethlehem Steel Co., Bethlehem, Pa.
Columbia Steel Co., Widener bldg, Phila., Pa.
Detroit Brass & Malleable Works, 1177 Holden, Detroit, Mich.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
McMann & Taylor Co., 104 John, New York
See adv index at end of book
Penna. Forge Co., Ash & Bath, Phila., Pa.
Pittsburgh Piping & Equipment Co., 35th & Charlotte, Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construc-Co., 26th & A. V. R. R., Pittsburgh, Pa.
Power Piping Co., Beaver & Western av, Pittsburgh, Pa.
Shaw Benj F. Co., Wilmington, Del.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

4852— Flanges (Pump)

Crestline Mfg. Co. ("Crestline" for Cased Wells), Crestline, O.

4853— Flanges (Railing)

Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, O.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Malleable Iron Fittings Co. ("M. I. F. Co."), Branford, Conn.
Walworth Mfg. Co., 82H Pearl, Boston, Mass.

4854— Flanges (Roof)

Acme Mfg. Co. ("Acme" Adjustable), Bangor, Me.
Bourneuf Louis Corp. (Copper), Lynn, Mass.
Bullard Specialty Co. (Adjustable), Tiffin, O.
Davis-Watson Mfg. Co. ("Watson"), Nashua, N. H.
Hessler H. E. Co. ("McGuire," "Star" Adjustable), Syracuse, N. Y.
Manchester J. B. Co., 190 Eddy, Providence, R. I.
Mechanicsville Specialty Mfg. Co., Mechanicsville, N. Y.
Prier Brass Mfg. Co. ("Flash," "S. M. S." Lead), 15th & Blue River, Kansas City, Mo.
Simplex Mfg. Co., 213 N. Austin, Chicago, Ill.
Specialty Mfg. Co. ("Economy"), 2362 University av, St. Paul, Minn.

4855—Flanges (Safety, Emery Wheel)

Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Webster & Perks Tool Co., Springfield, O.

4855a—*Flanges (Saw Shingle)

Simonds Mfg. Co., 470 Main, Fitchburg, Mass. *See adv index at end of book*

4855b— Flanges (Steel Welded)

Bethlehem Shipbuilding Corp. Ltd., Bethlehem, Pa.
McMann & Taylor Co., 104 John, New York
See adv index at end of book
Power Piping Co., Beaver & Western av, Pittsburgh, Pa.
Reading Valve & Fittings Co., Reading, Pa.

4855c Flanges (Tank)

Allis-Chalmers Mfg. Co. (Flanged & Pressed Plate Work), Milwaukee, Wis.
See adv index at end of book
Am. Spiral Pipe Works, 14th & S. Cicero av, Chicago, Ill.
See adv index at end of book
Castle A. M. & Co., 715 N. Morgan, Chicago, Ill.
Glasgow Iron Co., Pottstown, Pa.
Pressed Steel Co., H Penn av, Wilkes Barre, Pa.
Prime Mfg. Co., 97 Wisconsin, Milwaukee, Wis.
Ryerson Joseph T. & Son, 2558 W. 16th, Chicago, Ill. *See adv index at end of book*

4856— Flanges (Welded)

American Foundry & Construction Co., 2d av & Longworth, Pittsburgh, Pa.
Ballwood Co. ("Ballwood" up to 5000 lbs. Pressure), 30 Church, New York
Kellogg M W. Co., 90 West, New York
See adv index at end of book
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Shaw Benj F. Co., Wilmington, Del.
Walworth Mfg. Co., 82H Pearl, Boston, Mass.

4857— Flanges (Wheel)

Bossert Corp. (The), Linden & West av, Utica, N. Y.
Commercial Shearing & Stamping Co., Youngstown, Ohio
King Fifth Wheel Co., 5027H Beaumont av, Phila., Pa.
National Malleable Castings Co. (For Buggies, Wagons, etc.), 7706 Platt av, S E, Cleveland, O.
Oakes Co. (Automobile), Indianapolis, Ind.

4858— Flannels (Cotton)

Appleton Co. (White & Colored Outing), Lowell, Mass.
Aurora Cotton Mills (Outing), Burlington, N. C.
Boston Duck Co., Bondsville, Mass.
Brogon Mills (Flannelettes), Anderson, S. C.
Brown Mfg. Co. (Domets), Concord, N. C.
Chicopee Mfg. Corp., Chicopee Falls, Mass.
Durham Cotton Mfg. Co., East Durham, N. C.
Eagle & Phenix Mills (Kimona Outing) Columbus, Ga.
Elmira Cotton Mills Co. (Outing), Burlington, N. C.
Erwin Cotton Mills Co. (Mottled & Canton), West Durham, N. C.
Falls Co. (Domets, Outing, etc.), Norwich, Conn.
Glencoe Mills (Domets), Burlington, N. C.
Hamilton Mfg. Co. (Domets, Canton, Mottled & Solid Cotton), Lowell, Mass.
Hettrick Mfg. Co., Toledo, O.
Indian Head Mills of Ala., Cordova, Ala.
Locke Cotton Mills Co., Concord, N. C.
Manetta Mills, Lando, S. C.
Mass. Cotton Mills (Canton), Lowell, Mass.
Minneola Mfg. Co. (Dress & Outing), Gibsonville, N. C.
Nashua Mfg. Co., Nashua, N. H.
Old Colony Mfg. Co., Taunton, Mass.
Pemberton Co., Lawrence, Mass.
Revolution, Cotton Mills (Colored & Bleached Canton), Greensboro, N. C.
Rushton Cotton Mills (Domets), Griffin, Ga.
Southern Mfg. Co. (Canton), Athens, Ga.
Thorndike Co., Thorndike, Mass.
Travora Mfg. Co. (Heavy Napped), Graham, N. C.
Tremont & Suffolk Mills (Canton & French), Lowell, Mass.
Whittenton Mfg. Co., Taunton, Mass.
Williamson J. N. & Sons Co. (Domets & Flannelettes), Burlington, N. C.

4859— Flannels (Woolen)

Agawam Co., Agawam, Mass.
Alpena Woolen Mills Co., Alpena, Mich.
Amana Society, Amana, Ia.
Apollo Woolen Mills, Apollo, Pa.
Atlantic Mills, 120 Manton av, Providence, R. I.
Ballard Vale Mills Co. (Fine White), Ballard Vale, Mass.

Barron Woolen Mill Co., Barron, Wis.
Birdsall Bros. Co., Honesdale, Pa.
Blue J. J. & Son, Ettrick, Wis.
Botany Worsted Mills, Passaic, N. J.
Brown's G. Sons, Mount Joy, Pa.
Brownsville Woolen Mills Co., Brownsville, Ore.
Brunger S. & Co., Sullivan, Ind.
Buckhannon Woolen Mills, Buckhannon, W. Va.
Cal. Woolen Mills, California, Mo.
Carlton E. G. & Sons (White), Rochdale, Mass.
Carruth J. G. & Co., Indiana av & Rosehill, Phila., Pa.
Cedarburg Woolen Mills, Cedarburg, Wis.
Chapel Mills Mfg. Co., Cherry Valley, Mass.
Davis C. M. & Co. (White), Northfield, Vt.
Dodge-Davis Mfg. Co., Bristol, N. H.
Dole E. & Co., Campton, N. H.
Dresden Woolen Mills, Dresden, O.
Eugene Woolen Mill Co., Eugene, Ore.
Fabyan Woolen Co. (Cotton Warp Shirting), Stafford Springs, Conn.
Faribault Woolen Mill Co., Faribault, Minn.
Farnsworth Co., Lisbon Center, Me.
Gibboney A. R. & Co., Reedsville, Pa.
Goodwin C. E. & Sons, Cumberland Gap, Tenn.
Graff P. & Co., Worthington, Pa.
Groveland Mills, South Groveland, Mass.
Harris Emery Co. (White), Penacook, N. H.
Heathcote S. E. & Co., Glen Rock, Pa.
Heikes E. K., York Springs, Pa.
Houlton Woolen Mill, Houlton, Me.
Howarth A. & Son (White), Oxford, Mass
Jamestown Worsted Mills, Jamestown, N. Y.
Kay T. Woolen Mill Co., Salem, Ore.
Kennedy D. & Sons, Monticello, Wis.
Kent Mfg. Co., Clifton Heights, Pa.
Langville Woolen Mills, Langville, Pa.
Liebhardt William L. & Co., Middletown, Ind.
McAnespie J. & Co., Lancaster, O.
Mahaffy Bros., Pulaski, N. Y.
Melville Woolen Co. (Men's), Chambersburg, Pa.
Morrison Woolen Co., Dexter, Me.
Mystic Woolen Co., Old Mystic, Conn.
Nashua Woolen Mills, Nashua, Ia.
Newton & Co., Homer, N. Y.
North Berwick Co. (French), North Berwick, Me.
Olney Woolen Mills (White), Cherry Valley, Mass.
Patrick F. A. & Co., Duluth, Minn.
Pondville Woolen Mills, Auburn, Mass.
Portland Woolen Mills, Chamber of Com. bldg, Portland, Ore.
Prairie du Chien Woolen Mill Co., Prairie du Chien, Wis.
Rich J. & Bros., Woolrich, Pa.
Richards Dexter & Sons Co., Newport N. H.
Schaeffer J. M., Sandy Lake, Pa
Seymour Woolen Mills Co. (Skirtings), Seymour, Ind.
Shuler & Benninghofen, Hamilton, O.
Slater S. & Sons, Webster, Mass.
Spangler W. H., Fitzpatrick, W. Va.
Stevens C. A. & Co. (White), Ware, Mass.
Stickler J. M., Mauston, Wis.
Stirling Woolen Mills (All Wool), Lowell, Mass.
Suttons's Mills, North Andover, Mass.
Talbot Mills, North Billerica, Mass.
Virginia Woolen Co., Winchester, Va.
Webb T. A. W. & Son, Allensville, Pa.
Woodcock A. B., Waterside, Pa.
Yantic Woolen Co., Yantic, Conn.

4860— Flare Lights

Carbic Mfg. Co., 301 So 55th av, Duluth, Minn.
Milburn Alexander Co. ("Milburn"), 1420 W Baltimore, Baltimore, Md.

Flash Evaporators

See Evaporators (Flash)

4861—Flashers (Electric Sign)

A. & W. Electric Sign Co., W 3rd & Prospect av, Cleveland, O.
Betts & Belts Corp. ("Betts"), 631H N 43d, New York
Botts E. W. & Co. ("Diamond" Flasher Button), 449 Bryant, San Francisco, Cal.
Campbell Electric Co., 17 Stewart, Lynn, Mass.
Electric Carriage Call & Specialty Co. ("Perfection"), Canal pl. & 141st, New York
Emerson Electric Mfg. Co., 2024 Wash. av, St. Louis, Mo.
Greenwood Advg. Co., 1942 S Main, Los Angeles, Cal.
Norden Elec. Sign Co., 112 E. 125th, New York
Novelty Electric Sign Co., 433 Turk, San Francisco, Cal.
Reynolds Electric Co. ("Reco"), 2650 W Congress, Chicago, Ill.
Ryan M. C. Co. ("Phoenix"), Phoenix, N.Y.
Solar Elec. Co. (Motorless), 124 W Lake, Chicago, Ill.
Tecla Electrical Laboratory, 150 Cass av, Detroit, Mich.

4862— Flashings (Roof)

(Names with * also manufacture in Monel Metal)

Acme Mfg. Co. ("Acme"), Bangor, Me.
Barrett Co. ("Barrett" Flashing Block & Form), 40 Rector, New York
Berger Mfg. Co., 1038 Belden av N. E., Canton, O.
*City Cornice Works, 3119 San Pablo av, Oakland, Calif.
*Davis Bros., 311 E 148th, New York
Davis-Watson Mfg. Co. ("Watson"), Nashua, N. H.
Duluth Corrugating & Roofing Co. (Adjustable), Dept. H, Duluth, Minn.
Edwards Mfg. Co., Cincinnati, O.
See adv index at end of book
*Farquhar & Sons, Boston, Mass.
*Ferguson Co., John W., Paterson, N. J.
HARKER MFG. CO. ("Retlaw"), 121-123 West 3d, Cincinnati, O.
*Hauserman E. F., Cleveland, O.
INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Irwin Sheet Metal Co., Pittsburgh, Pa.
Josam Mfg. Co., Michigan City, Ind.
*Larson J. G., Clifton, N. J.
L. B. Brass Co. ("L. B."), Peabody, Mass.
*Meyer & Son, Geo. J., 3223 Kennett sq, Pittsburgh, Pa.
*Minnesota Roofing & Cornice Works, St. Paul, Minn.
*National Ventilating Co., 75 10th av, Brooklyn, N. Y.
Newport Rolling Mill Co., Newport, Ky.
*Obelisk Waterproofing Co., 1 Madison av, New York
Prier Brass Mfg. Co. ("Prier" Lead), 15th & Blue River, Kansas City, Mo.
*Rasner & Dinger Co., W North av, N S, Pittsburgh, Pa.
*Riddell & Son, Ltd., John E., Hamilton, Canada
*Saron J., 1655 42nd, Brooklyn, N. Y.
*Schoedinger F. O., Columbus, Ohio
*Sholes, Inc., 186 Lafayette, New York
*Si Fo Ventilator Co., Cleveland, Ohio
*Smith & Burrows Co., Parkersburg, W. Va.
Standard Sheet Metal Mfg. Co., Washington, Pa.
*Van Noorden & Co., E., Boston, Mass.
Wheeling Corrugating Co., Wheeling, W Va.

4863—Flashlights (Electric Lamp and Lantern)

Ajax Elecl. Spec. Co., St. Louis, Mo.
Bright Star Battery Co., 15th st, New York
Burgess Battery Co., Madison, Wis.
Burgess C. F. Laboratories, Madison, Wis.
Columbia Elec. Nov. Co., 58 W 15th, New York
Delta Elec. Co., Marion, Ind.
Diamond Electric Specialties Corp. ("Diamond"), 101 S Orange, Newark, N. J.
Edison Lamp Works ("Edison Mazda"), Sussex, Harrison, N. J.
Electro Importing Co., 233 Fulton, New York
Hansen Marvin W., 38 11th, Toledo, O.
Hipwell Mfg. Co., 831 North W. av, Pittsburgh, Pa.
International Battery Co., 39 Wooster, New York
Interstate Electric Novelty Co., 60 Tillary, Brooklyn, N. Y.
National Carbon Co., Inc. ("Eveready," "American" Mazda), Thompson & Orton, Long Island City, N. Y.
National Marine Lamp Co., Forestville. Conn.
Peerless Light Co. ("Peerless"), 663 W Washington blvd, Chicago, Ill.
Providence Electric Mfg. Co. ("Nitelite," "Little Rhody"), 23 Broad, Providence, R. I.
Stuart Products Corp., 633 Washington blvd, Chicago, Ill.
Union Battery Co., Belleville, N. J.
Usona Mfg. Co. ("Kwik-lite"), 103 E. 125th, New York
Vesta Battery Corp., 2100 Indiana av, Chicago, Ill.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.
Wood C. D. Electric Co. ("Woodwin") 565 Broadway, New York

4864— Flask Stock (Wood)

Basic Mfg. Co., Wilmington, Del.
Johnson Lumber Co., Milwaukee, Wis.
West Virginia Lumber Co., First National Bank bldg, Pittsburgh, Pa.

4865— Flasks (Molders')

Adams Co. (Cherry Snap), Dubuque, Ia.
Advance Engng. Co., Metta av, Cleveland, O.
AMERICAN FDRY. EQUIPMENT CO. THE (Aluminum Taper), 366 Madison av, New York
Arcade Mfg. Co. ("Arcade" Snap), Freeport, Ill.
Baldwin, Tuthill & Bolton ("B. T. & B." All Steel Snap), Grand Rapids, Mich.
Barnett Oscar Foundry Co. ("Barnett" Molders & "New Diamond" Snap), Irvington, N. J.
Berkshire Mfg. Co. (Aluminum & Wood Snap also Iron), Whitney Power blk., Cleveland, O.
Brass Founders' Supply Co. (For Brass Fdrs., Ribbed, etc.), Wilson av, Newark, N J.
Bridgeport Die & Machine Co. ("Bridgeport" Snap), 166 Elm, Bridgeport, Conn.
Bryan Pattern & Mach. Co., Bryan, O.
Buch Foundry Equipment Co. (Snap). Bridgeport, Pa.
Buch's A. Sons Co., Elizabethtown, Pa.
Buckeye Products Co., Inc. ("Buckeye"), 915-917 W. 5th, Cincinnati, Ohio
See adv index at end of book
Columbiana Boiler Co., Columbiana, O.
Diamond Clamp & Flask Co. ("Diamond" Snap), Richmond, Ind.
Federal Foundry Supply Co., 2639 E 79th, Cleveland, O.
Grabo E. O. Machine Works, 180 Centre, New York
Hill & Griffith Co. ("Snap"), 1248 State av, Cincinnati, O., & Birmingham, Ala.
See adv index at end of book
Hines Pattern & Mfg. Co., 10108 Detroit av, Cleveland, Ohio
Jurack Chas. (Cherry Snap), 201 Oregon, Milwaukee, Wis.
Middleditch Benj., Detroit, Mich.
Morner & Smith (Aluminum Snap), Dayton, O.
Nicholls Wm. H. Co., Inc., 2 College pl., Brooklyn, N. Y.
Obermayer S. Co., 2563 W 18th, Chicago, Ill.
Osborn Mfg. Co., 5401 Hamilton av, Cleveland, Ohio
Shanafelt Mfg. Co., Canton, O.
Smith & Caffrey Co. ("New Eureka" Snap). Syracuse, N. Y.
Springfield Aluminum Plate & Castings Co., Springfield, Ohio
Stearns E. C. & Co. ("Stearns" Snap), 450 Oneida, Syracuse, N. Y.
STERLING WHEELBARROW CO. (Special Rolled Steel Construction), Milwaukee, Wis.
See adv index at end of book
Turner Machine Co., 75 Fulton, N. Y.
Wood's T. B. Sons Co., Chambersburg, Pa.
Woodison E. J. Co., 1621 St. Aubin, Detroit. Mich.

4865a—Flasks (Steel Foundry)

Berger Mfg. Co. ("Berlov"), 1038 Belden av N. E., Canton, O.
Breese Bros. Co., The, 2349 Reading road, Cincinnati, O.
See adv index at end of book
Central Metal Products Co. ("C. M. P."), Canton, Ohio
Dopp J. W. & Co. ("Sterling Lines" Dealers), 18 W Columbia, Detroit, Mich.
Rich Fdry. Equipt. Co., 2935 W 47th, Chicago, Ill.
STERLING WHEELBARROW CO., Milwaukee, Wis.
See adv index at end of book

Flat Irons

See Sad Irons

4866— Flatters

Stanley Rule & Level Co. (Atha Division), New Britain, Conn.
STERLING WHEELBARROW CO., Milwaukee, Wis.
Stolz Jos. & Son, Inc., 841 E 136th. New York

4866a— Flavine

Young J. S. & Co., Hanover, Pa.

4867— Flax

Amerlin Co. (Hackled), Yale, Mich.
Minnesota Fibre Co. (Spinning), Heron Lake, Minn.

4868-9— Flaxseed

Ankeney Linseed Mfg. Co. (Screened & Ground), Des Moines, Ia.
Tetzlaff Wm. (Ground), 652 31st, Milwaukee, Wis.
Trilling H. & Co. (Ground), 1825 S Canal, Chicago, Ill.

4870— Fleshers (Tanners')

Emrich Phil., 624 Main, Cincinnati, O.

4871— Flights (Conveyor)

Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Bawsher N. P. Co. (Wooden), South Bend, Ind.
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
See adv index at end of book
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Lebanon Drop Forging Co., Lebanon, Pa.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book

4872— Flint

See also Quartz

Chrystal Chas. B. Co. Inc. (Granulated & Powdered), 13 Cliff, New York
See adv index at end of book
Doggett Stanley (Granulated & Powdered), 11 Cliff, New York
Eureka Flint & Spar Co. (Miners), Trenton, N. J.
Golding Sons Co. (Also Spar Mills), Trenton. N. J.
Guilford & Waltersville Granite Co. (Rough & Ground), 10 E. Pleasant, Baltimore, Md.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Illinois Mineral Milling Co., East St. Louis, Ill.
New England Quartz Co. of N. Y. (Granulated, Powdered, Potters, etc.), 150 Nassau, New York
Pennsylvania Pulverizing Co. (Ground Flint & Quartz), Lewistown, Pa.
Product Sales Co. (Ground), Equitable bldg, Baltimore, Md.
Thropp's John E. Sons Co., Ft. of Lewis, Trenton, N. J.
Trenton Flint & Spar Co. (Miners), Trenton, N. J.
Wausau Quartz Co. (Ground), Wausau, Wis.
Wedron Silica Co., 86 S Dearborn, Chicago, Ill.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y.
See adv index at end of book

4873—Flint Pebbles & Flint Linings

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York
See adv index at end of book
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Atkins, Kroll & Co. ("Danish"), 260 California, San Francisco, Cal.
Balfour Guthrie & Co., 350 California, San Francisco, Cal.
Buebendorf Bros. (Imp.), Produce Exchange, New York
Eureka Flint & Spar Co., Trenton, N. J.
Higman John W. Co. (Imp.), 29 B'way, New York
Patterson Foundry & Machine Co. (French), East Liverpool, O.
Product Sales Co. (Imp.), Equitable bldg, Baltimore, Md.
Smidth F. L. & Co., 50 Church, New York
Taintor Trading Co., Inc. (Imp.), 21 State, New York
Thropp's John E. Sons Co., Ft. of Lewis, Trenton, N. J.
Voigt B. (French & Danish), 154 Nassau, New York

4874— Floats (Car & Grain)

Am. Bridge Co., 71 Broadway, New York
American Car & Foundry Co. (Steel or Wooden), Syndicate Trust bldg, St. Louis, Mo.
Midland Barge Co. (Steel), Dept. H, Midland, Pa.

4875-6— Floats (Carbureter)

Armstrong Cork Co., 24th & A. V. R. R., Pittsburgh, Pa.
Detroit Metal Spinning Co., 625H Monroe av, Detroit, Mich.
Goodnow & Blake Mfg. Co. (Metal), 3840 Beaver, Detroit, Mich.
Imperial Brass Mfg. Co., 1200 W. Harrison, Chicago, Ill.
Olympic Foundry Co., Argo Station, Seattle, Wash.

4877— Floats (Copper)

American Brass & Copper Co., 138 Lafayette, New York
American Mfg. Co., Dayton, Ohio
American Pin Co. ("Wonder" & "Ampinco"), Waterbury, Conn.
Ayling & Reichert Co. ("No-Sol" Seamless Copper), Toledo, O.
Blessing C. A., 516 Montgomery av, Phila., Pa.
Bockel Wm. & Co., 518 Vine, Phila., Pa.
Boston Brass Co. ("B. B." "Dirigo" Solderless), 135 Bacon, Waltham, Mass.
Bucyrus Copper Kettle Works Co. (The), Bucyrus, Ohio
See adv index at end of book
Cleveland Faucet Co., 1396 E. 5th, Cleveland, O.
Consolidated Mfg. Co., Dayton, Ohio
Detroit Metal Spinning Co. (For Tanks), 625H Monroe av, Detroit, Mich.
Douglas Jno. Co. (Glass & Copper), Carthage, Cincinnati, O.
Engelhard Frank & Sons, 200 Franklin, Springfield, Mass.
Gerstein Bros. & Cooper, 3 W 3d, So Boston, Mass.
Harris Arthur & Co. (Seamless, All Kinds), 212 Curtis, Chicago, Ill.
Haydenville Co., Haydenville, Mass.
Hercules Float Works ("Hercules" for Steam Pressure), 200 Franklin, Springfield, Mass.
Ireland & Matthews Mfg. Co., Beard & Chatfield, Detroit, Mich.
Johnson J. D. Co., 43 Boerum pl, Brooklyn, N. Y.

HARRIS
Seamless Copper Ball and Special Floats
For Pressure and Open Tank Service
4" to 10" Copper Ball Floats Carried in Stock
Write for Circular
ARTHUR HARRIS & CO.
212-218 Curtis Street Chicago, Ill., U. S. A.

Kraft A. C. (Also Galvanized), 323 W Lake, Chicago, Ill.
Michigan Metal Spinning & Mfg. Co. ("Non-Collapsible" Solderless), 528 Woodbridge, Detroit, Mich.
Miller Chas. A. Co. (Corrugated, Also All Steel Seamless Porcelain Enameled), Sturgis, Mich.
Motor Products Corp., Mack av & Outer Belt Line, Detroit, Mich.
Naugatuck Mfg. Co. (Seamless), Naugatuck, Conn.
Nelson N. O. Mfg. Co., 10th & Chestnut, St. Louis, Mo.
Reliance Gauge Column Co. (Solderless), Cleveland, O.
ROBERTS STEAM SPECIALTY CO., 5318 St. Clair av, Cleveland, Ohio
Standard Brass Mfg. Co. (Spun Solderless), Utica, N. Y.
Trageser Jno. Steam Copper Works, 447 W 26th, New York
Trenton Brass & Machine Co., Trenton, N. J.
Union Brass & Metal Mfg. Co., Lawson & Mackubin, St. Paul, Minn.
Union Metal Works (Spun), Chelsea, Mass.
Weber Bros. Metal Works, 122 N. Jefferson, Chicago, Ill.
See adv index at end of book

COPPER FLOATS
Any Size or Style
For Any Purpose
Made According to Your Specifications
WEBER BROS. METAL WORKS
122 N. Jefferson St., Chicago, Ill.

Wolverine Brass Works ("Kant-Leak"), Grand Rapids, Mich.
Zeigler Mfg. Co., Alexandria, Ind.

4878— Floats (Crockery)

Bellmark Co., Trenton, N. J.
Maddock Jno. & Sons, Trenton, N. J.
Standard Sanitary Pottery Co., Elizabeth, N. J.
Trenton Potteries Co., Trenton, N. J.

Floats (Fishing)

See Fishing Tackle Mfrs.

4879— Floats (Glass)

Dargent Chas., 360 Crescent, Brooklyn, N. Y.
Heap Wm. & Sons. Grand Haven. Mich.

4880—Floats (Plasterers' Plain Cork)

Armstrong Cork Co., 24th & A. V. R. R., Pittsburgh, Pa.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Carls M. J., 1929 S. Los Angeles, Los Angeles, Cal.

4880a— Floats (Seine)

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

Floats (Tell Tale)

See Alarms, Tank

4881— *Floats (Wooden)

Bogert & Hopper Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Michigan Wire Goods Co., Niles, Mich.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book

4881a—Flocks (Cotton and Wool)

Strong Machinery & Supply Co. ("Superba," "Nonesuch"), 292-294 Church, New York *See adv index at end of book*

4882— Floor Coverings

Barrett Co., 17 Battery Pl, New York
Bird & Son ("Neponset"), East Walpole, Mass
Blabon Geo. W. Co. ("Feltex" Felt Base), 21st & Hunting Pike, Philadelphia, Pa.
Congoleum Co. ("Gold Seal"), Morris bldg, Phila., Pa.
Leatherstеel Products Co. ("Leathersteel," also Runners), 73H Long Wharf, Boston, Mass.
Paraffin Co.'s, Inc., 475 Brannan, San Francisco, Cal.
Petrolene Co., Whiting, Ind.
Savage Expansion Bolt Corp. ("Savage" pressed steel), 9 Desbrosses, New York

Floor Dressing

See Floor Oils, Dust Absorbing

4883— Floor Finish

Acme White Lead & Color Works, St. Aubin M. C. RR., Detroit, Mich.
Adams & Elting Co. ("Ad-el-ite" Floor Varnish), 1835 Seward, Chicago, Ill.
Atlantic Drier & Varnish Co., Meadow & Wolf, Phila., Pa.
Atlantic Varnish Works, Inc. ("Floorenite"), Richmond, Va.
Bass-Hueter Paint Co., 816 Mission, San Francisco, Calif.
BINSWANGER B. & CO. ("Zanzibolio"), 835 N 3d, Philadelphia, Pa.
Boston Varnish Co. ("Kyanize"), Everett Station, Boston, Mass.
Bridgeport Wood Finishing Works (Du Pont), Phila., Pa.
Butcher Polish Co. ("Butcher's Boston Polish" & "No. 3 Reviver"), 245 State, Boston, Mass.
Calman Emil & Co. ("Floor Flat Lac"), 100 William, New York
Carpenter-Morton Co. ("Campbell"), 77 Sudbury, Boston, Mass.
Certain-teed Products Co. ("Certain-teed" "Weather Shield"), Boatmans, Bank bldg, St. Louis, Mo.
CHICAGO VARNISH WORKS ("Supremis"), 2100 Elston av, Chicago, Ill.
Cleveland Varnish Co. ("Permanere"), 3111 E 87th, Cleveland, O.
Day Jas B. & Co., 224 W. Superior, Chicago, Ill.
Detroit Graphite Co. ("Degraco"), 518 12th, Detroit, Mich.
Devoe & Raynolds Co., Inc. ("Devoe" Marble), 101 Fulton, New York
Du Pont E. I. de Nemours & Co., Inc., Paint & Varnish Dept. ("Supremis"), 3500 Grays Ferry rd, Phila., Pa.
See adv index at end of book
Elmendorf Varnish Co., 841 Larrabee, Chicago, Ill.
Floor-Shine Mfg. Co., 307 N. Maine, St. Louis, Mo.
Fuller W. P. & Co. (Rubber Cement Floor Paint), 301 Mission, San Francisco, Cal.
Glidden Co. ("M. P." Durable Floor, "Jap a lac"), Madison av & Berea av, Cleveland, O.
Hanna Paint Mfg. Co. ("Lustro"), Columbus, O.
Hildreth Varnish Co., 90 West, New York
Inlaid Floor Co., 600 Alabama, San Francisco, & 4067 Watts, Emeryville, Cal.
Johnson S. C. & Son ("Johnson's" Prepared Wax), Racine, Wis.
Keystone Varnish Co. ("Floorstona," "Keystone"), 71 Otsego, Brooklyn, N. Y.
Lawrence W. W. & Co. ("Lik-E-Namel" for Floors, Furniture, etc), W Carson, Pittsburgh, Pa.
Lilly Varnish Co. (Parquetry Floor Preservative), 670 S. California, Indianapolis, Ind.
Lincoln Paint & Color Co. ("Tintolac"), Lincoln, Neb.
Louisville Varnish Co., Louisville, Ky.
Masury Jno. W. & Son ("Nomar"), 50 Jay, Brooklyn, N. Y.
Moore Benjamin & Co., 231 Front, Brooklyn, N. Y.
Moore Mfg. Co., Springfield, O.
Murphy Varnish Co. ("Transparent"), 224 McWhorter, Newark, N. J.
Newark Varnish Works ("Best" Elastic), 111 Delancey, Newark, N. J.
Nice Eugene E. ("Trokal" Liquid), 272 S 2d, Phila., Pa.
Nubian Paint & Varnish Co., 1856 Leclaire av, Chicago, Ill.
O'Brien Varnish Co. ("Pyramid"), South Bend, Ind.
Patterson-Sargent Co. ("China-Lac"), 1325 E 38th, Cleveland, O.
Patton Paint Co., Milwaukee, Wis.
Pratt & Lambert, 185 Madison av, New York
Rezilite Mfg. Co. ("Rezilite"), Peoples Gas bldg, Chicago, Ill.
Smith Edward & Co. ("I. X. L."), 137 W av, Long Island City, N. Y.
Standard Varnish Works (Gutta Percha & Flattine), ("Elastica", "Lacqueret", "Stannor"), 443H Fourth av, New York
Texas Company (The), Dept. D, 17 Battery pl, New York
See adv index at end of book
Truscon Laboratories ("Truscon"), Caniff & G. T. R. R., Detroit, Mich.
Valentine Co., 456 4th av, New York
Vilas Bros. (Floorum Varnish), 1247 Belmont, Chicago, Ill.
Voltax Co., 99 Reservoir, Bridgeport, Conn.
Vortex Mfg. Co., W 77th, Cleveland, Ohio
Wadsworth, Howard & Co. ("Bay State"), 141 Federal, Boston, Mass.
Wadsworth-Howland Co., 225 N Carpenter, Chicago, Ill.

Waterall Wm. & Co. ("Floorcote"), Camden, N. J.
Wiley I. H. Waxene Co. ("Wiley's Waxene"), 68 Dover, W Boston, Mass.
Wood-Mosaic Co., New Albany, Ind.

Floor Lights

See Vault & Sidewalk Lights, Plain & Prismatic

4884—Floor Oils (Dust Absorbing)

Apothecaries Hall Co. ("Essex," "Revival"), Waterbury, Conn.
Baum Bros. Co., Denver, Colo.
Bird J. A. & W. & Co. ("Globe"), 348 Concord sq, Boston, Mass.
Brown Chas. H. Paint Co. ("Statesman"), 262 Fulton, Brooklyn, N. Y.
Dexter Bros. Co. (English Wood Oil Polish), 105 Broad, Boston, Mass.
Frederick Disinfectant Co., Atlanta, Ga.
Emery Mfg. Co., Bradford, Pa.
Glidden Co. ("Glidden" S Concrete Floor Dressing for Concrete & Cement Floors), Madison av & Berea av, Cleveland, O.
Great Western Oil Co., 2846 E 37th, Cleveland, O.
Lewis Samuel ("Alpine Wax Oil"), 73 Barclay, New York
Ohio Chemical Co., Findlay, O.
O'Kleen O Products Co., 712 Madison av, Baltimore, Md.
Sonneborn L. Sons ("Amalie"), 114 5th av, New York
Standard Chemical Co., Houston, Texas
Standard Oil Co. of N. J., 26 B'way, New York
Texas Company (The), Dept. D, 17 Battery pl, New York
See adv index at end of book
Thumb E. W. ("Sunshine" Wax Oil), 872 Orleans, Chicago, Ill.
West Disinfecting Co. ("Camphene"), 411 5th av, New York
See adv index at end of book
Winn Wm. R. (Jobbers), 488 Cherry, New York

4885—Floor Polish (Hard Wax)

Acme White Lead & Color Works ("Acme Quality"), St. Albin & M. C. RR, Detroit, Mich.
Baum Bros. Co., Denver, Colo.
Bird J. A. & W. & Co. ("Globe"), 348 Concord sq, Boston, Mass.
Boyle A. S. & Co. ("Old English"), 1934 Dana av, Evan, Cincinnati, O.
Bridgeport Wood Finishing Works (Du Pont), Phila., Pa.
Brown Chas. H. Paint Co. ("Binne"), 262 Fulton, Brooklyn, N. Y.
Butcher Polish Co. ("Butcher's Boston Polish"), 245 State, Boston, Mass.
Day Jas B. & Co., 224 W. Superior, Chicago, Ill.
Devoe & Raynolds Co., Inc., 101 Fulton, New York
Excelsior Chemical Co. ("Exo"), 426 Bryant, San Francisco, Cal.
Gold Medal Polish Co., Racine, Wis.
Great Western Oil Co., 2846 E 37th, Cleveland, O.
Inlaid Floor Co., 600 Alabama, San Francisco, Cal.
Johnson S. C. & Son, Racine, Wis.
Lawrence W. W. & Co., W Carson, Pittsburgh, Pa.
Lincoln Paint & Color Co., Lincoln, Neb.
Nico Wax Co. Inc., 3803 S Vermont, Los Angeles, Cal.
Pacific Wax Dye Co., 2886 16th, San Francisco, Cal.
Penn Oil & Supply Co., Ltd., Oil City, Pa.
Pratt B. G. Co. ("Hydrowax" For Cleaning & Polishing), 50 Church, New York
Sherwin-Williams Co., Cleveland, O.
Texas Company (The) ("Texaco" Liquid), Dept. HR, 17 Battery pl, New York
See adv index at end of book
Wadsworth, Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.
Wiley I. H. Waxine Co. ("Waxine"), 68 Dover, W Boston, Mass.
Wood-Mosaic Co., New Albany, Ind.

4886—Floor Stands for Valves

Coldwell-Wilcox Co., Newburgh, N. Y.
Darling Valve & Mfg. Co., Williamsport, Pa.
Kennedy Valve Mfg. Co., Elmira, N. Y.
See adv index at end of book
Ludlow Valve Mfg. Co. (Plain, Geared & Combination, Hand & Motor Operated), ft of Adams, Troy, N. Y.
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
See adv index at end of book
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Pratt & Cady Co. ("P & C"), Hartford, Conn.
Simmons John Co., 110 Centre, New York
See adv index at end of book
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.

4887—Floor Treads (Electric Bell)

Bucyrus Copper Kettle Works Co. (The), Bucyrus, Ohio
See adv index at end of book
Hydraulic Press Mfg. Co. (Cork Lined, "Mount Gilead"), 24 Lincoln av, Mt. Gilead, O. *See adv index at end of book*
Renim Specialty Co. ("Renim" for Use with Rigid or Flexible Metallic Conduit, etc), Brighton, Boston, Mass.
Sowers Mfg. Co., 1320 Niagara, Buffalo, N. Y.

4888— Flooring (Car)

See also Flooring, Sanitary

Berger Mfg. Co. ("Keystone"), 1038 Belden av N. E., Canton, O.
Special Service Flooring Corp., 2009 Grand Central Terminal, New York
West Virginia Lumber Co., First National Bank bldg, Pittsburgh, Pa.

Flooring (Composition)

See Flooring, Sanitary

4889— Flooring (Hard Wood)

See also Flooring, Oak

Acme Hardwood Floor, 2216 Polk Co., San Francisco, Cal.
American Sash & Door Co. (Wholesale), 16th & Bellefontaine, Kansas City, Mo.
Armstrong Landon Co., Kokomo, Ind.
Arpin Hardwood Lumber Co., Grand Rapids, Wis.
Bruce, E. L. Co., Little Rock, Ark.
Bruner Owen M., 406 Wood bldg, Phila., Pa.
Carr, Ryder & Adams Co. (Wholesale Mfrs.), Dubuque, Ia.
Cincinnati Floor Co., Eastern av & Linwood rd, Cincinnati, O.
Cobbs & Mitchell (Inc.), (Electric, Maple & Beech), Cadillac, Mich.
Consolidated Fuel & Lumber Co. (Maple), Negaunee, Mich.
Crooks-Dittmar Co. ("Cromar" Ready Finished Oak), Williamsport, Pa.
Curtis & Yale Co. (Wholesale Mfrs.), Wausau, Wis.
Dennis A. L Salt & Lumber Co (Birch & Maple), Grand Rapids, Mich
Dieckmann Hardwood Co., Beach & Tylor, San Francisco, Cal.
Dixon Lumber & Millwork Co., First National Bank bldg, Pittsburgh, Pa.
Dunfee J. & Co., 1327 Washington, Chicago, Ill.
Eaglesfield Hardwood Flooring Co., 920 Dorman, Indianapolis, Ind.
Eckenroth F. & Son, 921 E 5th, New York
Elias G. & Bro., 965 Elk, Buffalo, N. Y.
Ellington & Guy Inc., Times Dispatch bldg, Richmond, Va.
Emporium Lumber Co., Utica, N. Y.
Gribben Lumber Co., Chicago & Walker, St. Paul, Minn.
Hammond Lumber Co., 260H California, San Francisco, Cal.
Harris Mfg. Co., Johnson City, Tenn.
Hausen Carl P., 1355 Delaware, Berkeley, Cal.
Heaton S. W., 1802 Chestnut, Phila., Pa.
Hettler Herman H. Lbr. Co. ("Modern Brand" Beech, Birch), 2601 Elston av, Chicago, Ill.
Hudson Hardwood Flooring Co., Bank of Commerce bldg, Memphis, Tenn.
Huttig Mill Wk. Co., Kansas City, Mo.
Inlaid Floor Co., 600 Alabama, San Francisco, & 4067 Watts, Emeryville, Cal.
Kiamensi Clay Co., Equitable bldg, Wilmington, Del.
King-Johnson Co., Brix bldg, Fresno, Cal.
Knoxville Lumber & Mfg. Co., 612 E. Depot, Knoxville, Tenn.
Lancaster Harry & Co., Lebanon, Ky.
Mansfield Lumber Co., Mansfield, O.
Mueller Lumber Co., Davenport, Ia.
Nichols & Cox Lumber Co., Grand Rapids, Mich.
North Vernon Lumber Co. ("Indiana" Brand), North Vernon, Ind.
Osborne & Clark, Lumber Exchange, Minneapolis, Minn.
Oval Wood Dish Corp., Tupper Lake, N. Y.
Prever Lumber Co., 250-252 W 23d, New York
Robbins Lumber Co., Rhinelander, Wis.
Robinson Edwards Lumber Co., Burlington, Vt.
Rogers Lumber Co., Warren, Pa.
STEARNS A. T. LUMBER CO., 100 Taylor st, Boston, Mass.
See adv index at end of book
Sterner E. J. Co., 30 Church, New York
Strable Mfg. Co., 537 First, Oakland, Cal.
Strangman Mfg. Co., 34 Crafts, Newtonville, Mass.
Waccamaw Lumber Co. (Bay, Poplar, N. C. Pine & Cypress), Bolton, N. C.
West Virginia Lumber Co., First National Bank bldg, Pittsburgh, Pa.
White Brothers, Fifth & Brannan, San Francisco, Cal.
Wilce Flooring Co. (Beech, Birch, Maple & Oak), 2100 S. Throop, Chicago, Ill.
Wisconsin Land & Lumber Co., Hermansville, Mich.
Wood-Mosaic Co., New Albany, Ind.
Young W. D. & Co. (Wholesale Mfrs), Bay City, Mich.

4890— Flooring (Maple)

Acme Lumber & Shingle Co., 20 W Jackson blvd, Chicago, Ill.
American Sash & Door Co. (Wholesale), 16th & Bellefontaine, Kansas City, Mo.
Babcock Lumber Co., Frick bldg, Pittsburgh, Pa.
Basic Mfg. Co., Wilmington, Del.
Bliss & Van Auken, Saginaw, Mich.
Bruckman Lumber Co., Preble nr Island, N S, Pittsburgh, Pa.
BRUNER OWEN M. CO., 4th & Chestnut, Phila. Pa. *See adv index at end of book*
Carr, Ryder & Adams Co. (Wholesale Mfrs), Dubuque, Ia.
Cobbs & Mitchell ("Electric" Maple & Beech), Cadillac, Mich.
Consolidated Fuel & Lumber Co., Negaunee, Mich.
Cream City Sash & Door Co., 601 Park, Milwaukee, Wis.
Cummer-Diggins Co., Cadillac, Mich.
Curtis & Yale Co. (Wholesale Mfrs), Wausau, Wis.
Dennis A. L. Salt & Lumber Co. ("National"), Grand Rapids, Mich.
Dwight Lumber Co. (And Wholesale Dealers), River Rouge, Detroit, Mich.
East Jordan Lumber Co. ("Imperial"), East Jordan, Mich.
Eastman S. L. Flooring Co. ("Saginaw" Brand), Saginaw, Mich.
Flanner-Steger Land & Lumber Co., Blackwell, Wis.
Gordon Vantine Co., Davenport, Ia.
Grand Rapids Lumber Co., Grand Rapids, Mich.
Gribben Lumber Co., 975 E 7th, St. Paul, Minn.
Griffith Webster, Ebensburg, Pa.
Hausen Carl P., 1355 Delaware, Berkeley, Cal.
Hettler Herman H. Lumber Co. ("Modern" Brand), 2601 Elston av, Chicago, Ill.
Horner Wm., Reed City, Mich.
Inlaid Floor Co., 600 Alabama, San Francisco, Cal.
Kerry & Hanson Flooring Co. ("Chief" Brand), Grayling, Mich.
King-Johnson Co., Brix bldg, Fresno, Cal.
Krouskop A. H., Richland Center, Wis.
Lobdell Emery Mfg. Co., Onaway, Mich.
Mansfield Lumber Co., Mansfield, O.
Maple Flooring Mfrs. Assn. ("M. F. M. A." Beech & Birch), Stock Ex. bldg, Chicago, Ill.
Mason-Donaldson Lumber Co., Rhinelander, Wis.
Mitchell Bros. Co. ("Rockhard"), Cadillac, Mich.
Morgan Co., Oshkosh, Wis.
Nichols & Cox Lumber Co., Grand Rapids, Mich.
Nicola Lumber Co., Farmers Bk bldg, Pittsburgh, Pa.
North Branch Flooring Co., 2415 Barry av, Chicago, Ill.
Osgood & Blodgett Mfg. Co. ("X. L. C. R." Brand), Duluth av & E 7th, St. Paul, Minn.
Rittenhouse & Embree Co. ("Gilt Edge"), 3500 S Racine av, Chicago, Ill.
Robbins Lumber Co. ("Robbins" Rock Maple), Rhinelander, Wis.
Schroeder Jno. Lumber Co., ft Walnut, Milwaukee, Wis.
SERFAS LUMBER CO., Drake bldg, Easton, Pa.
STEARNS A. T. LUMBER CO., 100 Taylor, Boston, Mass.
See adv index at end of book
Stephens Henry & Co., 815 Farewell, Waters, Mich.
Stephenson I. Co. ("Ideal" Rock Maple), Wells, Mich.
Ward Bros. ("Marathon"), Big Rapids, Mich.
West Virginia Lumber Co., First National Bank bldg, Pittsburgh, Pa.
White Brothers, Dept. H, Fifth & Brannan, San Francisco, Cal.
Wilce Flooring Co., 2100 S. Throop, Chicago, Ill.
Williams W. E. Co., Traverse City, Mich.
Wisconsin Land & Lumber Co. (Maple, Birch & Cherry), Hermansville, Mich.
Young W. D. & Co., Bay City, Mich.

4891— Flooring (Oak)

See also Flooring, Maple

Abrams Flooring Co., 435 Northumberland, Buffalo, N. Y.
American Sash & Door Co. (Wholesale), 16th & Bellefontaine, Kansas City, Mo.
Arkansas Oak Flooring Co., Pine Bluff, Ark.
Barker-Bond Lumber Co., 405 Lexington av, New York
Bruce E. L. Co., Little Rock, Ark.
Bruckman Lumber Co., Preble nr Island, N S, Pittsburgh, Pa.
Bruner Owen M., 406 Wood bldg, Phila., Pa.
Carr, Ryder & Adams Co. (Wholesale Mfrs.), Dubuque, Ia.
Carrier Lumber & Mfg. Co., Sardis, Miss.
Cooley Hardwood Mfg. Co., foot Dennison, Oakland, Cal.
Cream City Sash & Door Co., 601 Park, Milwaukee, Wis.
Crooks-Dittmar Co. ("Cromar" Ready Finished), Williamsport, Pa.
De Haas N. G., Marquette, Mich.
De Soto Hardwood Flooring Co., 1014 Sledge, Memphis, Tenn.
Dwight Lumber Co., River Rouge, Detroit, Mich.

(Continued on following page)

Cheney & Company, Inc.

110 West 40th St., New York City

Fibercote Stucco

Weatherproof — Crackproof
Fireproof
Positive protection against time, elements and varying temperatures guaranteed

Kompokore Magnesia Cements

Materials for moulding substitutes of definite specifications

Troegerlith Floors

Dustless — Sanitary — Resilient

Noiseless, Fireproof, Permanent, Durable

Flooring (Oak)—Continued

Eaglesfield Hardwood Flooring Co., 920 Dorman, Indianapolis, Ind.
Exchange Sawmills & Sales Co., R. A. Long bldg, Kansas City, Mo.
Farrin M. B. Lumber Co. ("Century," also Poplar Siding), Station av & Winton pl, Cincinnati, O.
Gordon Vantine Co., Davenport, Ia.
Gribben Lumber Co., Chicago & Walker, St. Paul, Minn.
Harris Hardwood Co., Inc., Roanoke, Va.
Harris Mfg. Co., Johnson City, Tenn.
Hausen Carl P., 1355 Delaware, Berkeley, Cal.
Hettler Herman H. Lbr. Co. ("Modern Brand"), 2601 Elston av, Chicago, Ill.
Higgins J. E. Lumber Co., 423 6th, San Francisco, Cal.
Inlaid Floor Co., 600 Alabama, San Francisco, Cal.
Kenova Hardwood Flooring Co., Kenova, W. Va.
Kiamensi Clay Co., Equitable bldg, Wilmington, Del.
King-Johnson Co., Brix bldg, Fresno, Cal.
Krouskop A. H., Richland Center, Wis.
Louisiana Long Leaf Lumber Co. ("Diamond"), Fisher, La.
Louisiana Planing Mill Co., Dept. H, Beech and Woodland, Louisville, Ky.
Mansfield Lumber Co., Mansfield, O.
Meadow River Lbr. Co., Rainville, W. Va.
Memphis Hardwood Flooring Co. ("Chickasaw" Brand), Thomas, Memphis, Tenn.
Mitchell Bros. Co. ("Red Oak"), Cadillac, Mich.
Moore Mfg. Co., Springfield, Mo.
Moratz Paul O., Bloomington, Ill.
Morgan Co., Oshkosh, Wis.
Mowbray & Robinson Co., 8th & Horn, Cincinnati, O.
Nashville Hardwood Flooring Co. ("Acorn"), W. Nashville, Nashville, Tenn.
Nelson Lumber & Mfg. Co., 372 Dublin av, Columbus, O.
Nichols & Cox Lumber Co., Grand Rapids, Mich.
North Branch Flooring Co., 2415 Barry av, Chicago, Ill.
Osgood & Blodgett Mfg. Co. ("X. L. C. R." Brand), Duluth av & E 7th, St. Paul, Minn.
Rittenhouse & Embree Co. ("Gilt Edge"), 3500 S Racine av, Chicago, Ill.
Rock Island Sash & Door Works (Wholesale Mfrs.), Rock Island, Ill.
Ronceverte Lbr. Co., Ronceverte, W. Va.
Rose D. M. & Co., S. Knoxville, Tenn.
Salt Lick Lumber Co. ("Eureka"), Salt Lick, Ky.
STEARNS A. T. LUMBER CO., 100 Taylor, Boston, Mass.
See adv index at end of book
Sterner E. J. Co., 30 Church, New York
Tennessee Lumber & Coal Co., 915 2nd Nat'l Bank bldg, Cincinnati, O.
Tennessee Oak Flooring Co. ("Tofco"), foot of 5th, Nashville, Tenn.
West Virginia Lumber Co., First National Bank bldg, Pittsburgh, Pa.
White Brothers, Fifth & Brannan, San Francisco, Cal.
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*
Wilce Flooring Co., 2100 S. Throop, Chicago, Ill.
Yellow Poplar Lbr. Co., Coal Grove, O.

4891a— *Flooring (Rubber Tile)

U. S. Rubber Co. ("U. S.," Reinforced Rubber), 1790 Broadway, New York
See adv index at end of book

"U. S." TILE FLOORING
Reinforced Rubber
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

4892— Flooring (Sanitary)

ACME ASBESTOS COVERING & FLOORING CO. ("Ametyle"), 234 N. Elizabeth, Chicago, Ill.
See adv index at end of book
American Monolith Co. ("Monolith"), 97 Wisconsin, Milwaukee, Wis.
Am. Mosaic & Tile Co. (Composition), Dept. H, Louisville, Ky.
Armstrong Cork & Insulation Co. (Composition, "Linotile"), 24th & A V R R, Pittsburgh, Pa.
Asbestolith Mfg. Co., 1 Madison av, New York
Barrett Co. ("Barrett Tar-Rok"), 40 Rector, New York
Basic Mfg. Co., Wilmington, Del.
Betts C. G. Co. E., 1202 Sprague av, Spokane, Wash.
Byerly & Sons, 2489 W 4th, Cleveland, O.
CHENEY & CO., INC. ("Troegerlith"), 110 W. 40th, New York
See adv index at end of book
Clifford Chas. E. Co., Inc. ("Woodstone"), 3808 S Park, Los Angeles, Cal.
Compoloid Products Corp. ("Compoloid"), Wilkes-Barre, Pa.
Corrugated Bar Co. ("Corr-Plate"), Mutual Life bldg, Buffalo, N. Y.
Diato Flooring Co. ("Diato"), 1709 N Spring, Los Angeles, Cal.
Djorups Sanitary Floor Co. Inc. ("Djorup" & "Flint-O-Lite"), 133 Washington, Chicago, Ill.
Don-a-Stone Composition Co., 706 N Coronado, Los Angeles, Cal.
Dorite Mfg. Co., 116 Utah, San Francisco, Cal.
Dreadnought Flooring Co. (Cork Composition), 115 E. 23rd, New York
Everlasbestos Flooring Co. ("Everlasbestos" Magnesite Composition), 93 North, Rochester, N. Y.
Fibrestone & Roofing Co., 199 10th, San Francisco, Cal.
Flexotile Flooring Co. ("Flexotile"), Rockford, Ill.
Flintkote Mfg. Co. ("Rex Adamat"), 83 Pearl, Boston, Mass.
Ford Roofing Products Co. ("Oak-A-Nite," "Gal-Va-Nite"), 2339 S. La Salle, Chicago, Ill.
General Kompolite Co. ("Kompolite"), 327 Borden av, Long Island City, N. Y.
Goodmundson A. K. (Mastic), 2140 San Pablo av, Oakland, Cal.
Hawkey Feldstone Co. ("Feldstone"), Mead, Spokane, Wash.
Hoff Magnesite Co. ("Hoffite"), 333 Monadnock bldg, San Francisco, Cal.
Imperial Floor Co., Rochester, N. Y.
Insulite Products Co. Inc., 240 Salmon, Portland, Ore.
Ironite Co. ("Ironite"), 111 W Washington, Chicago, Ill.
Keasbey Robt. A. Co. ("Crown"), 445 West, New York
Kennedy David E. (Inc.) ("Arrowlock" Electric & "Nonpareil" Cork), 250 W. 57th, New York
McCleanahan Products Co. Inc. ("Mpco"), 112 Kearny, San Francisco, Cal.
McFate C. J., 3533 S Park av, Los Angeles, Cal.
Malott & Peterson ("Elasco," "Kompolith," "Magnesite"), 2412 Harrison, San Francisco, Cal.
Marbleoid Co. ("Sanitas," "Marbleoid"), 461 8th av, New York
Mineral Products Co. ("Xyno" Stone), Rhinelander, Wis.
Moulding Thomas Brick Co. ("T. M. B." "Moulstone"), 133H W Washington, Chicago, Ill.
Muller Franklyn R. & Co. ("Asbestone" & "Steel Bond"), Waukegan, Ill.
National Kellastone Co. ("Kellastone" Composition), 5 S Wabash av, Chicago, Ill.
Petrium Sanitary Sink Co. ("Germanstone"), 1435H 5th, Berkeley, Cal.
Phila. Mineral Flooring Co., 5682 Summer, Phila., Pa.
Phoenix Sidewalk Light Co., H, Monadnock bldg, San Francisco, Cal.
Plastone Co. ("Plastone"), 461 E. 3rd, Los Angeles, Cal.
Raecolith Flooring Co. ("Raecolith," "Watsonite"), Seattle, Wash.
Republic Creosoting Co., Merchants Bank bldg, Indianapolis, Ind.
See adv index at end of book
Rezilite Mfg. Co. ("Rezilite"), Peoples Gas bldg, Chicago, Ill.
Ruberoid Co. ("Ruberoid"), 95 Madison av, New York
See adv index at end of book
Schenectady Tile Co. (Composition), Schenectady, N. Y.
Schillinger Bros. Co., 215 City Park av, Toledo, O.
Schlosser H. C. ("Sanistone"), San Jose, Cal.
Smith Robert F. Co., 433 Clementina, San Francisco, Cal.
Special Service Flooring Corp., 2009 Grand Central Terminal, New York
Stockton Marble & Mosaic Co., 138 E. Sonora, Stockton, Cal.
Taylor Ronald Co. ("Taylorite"), 520 E 20th, New York
Tileine Universal Flooring Co., 309 W. 15th, New York
Tuco Products Corp. ("Tuco"), 30 Church, New York
20th Century Mineral Flooring Co., 1210 Buttonwood, Phila., Pa.
U. S. Kellastone Co. ("Kellastone"), Chicago, Ill.
Warren Bros. Co. ("Puritan," "Colonial," "Terrazolite"), 142 Berkeley, Boston Mass.
Western Asbestos Magnesia Co. (Mastic), 21 South Park, San Francisco, Cal.
Williams-Wendt Co. ("Korkstone"), 118 N La Salle, Chicago, Ill.
Woodoleum Mfg. Co., 34 S 17th, Phila., Pa.
Wright L. L. Waterproofing & Construction Co., Inc., 735 65th, Brooklyn, N. Y.

4892a— *Flooring (Sheet Rubber)

U. S. Rubber Co. ("Usco"), 1790 Broadway, New York *See adv index at end of book*

USCO
SHEET RUBBER FLOORING
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

4893—Flooring (Wood Block)

See also Paving Blocks, Wood

Abrams Flooring Co., 435 Northumberland, Buffalo, N. Y.
Carter Bloxonend Flooring Co. ("Bloxonend"), Long bldg, Kansas City, Mo.
Jennison-Wright Co. ("Kreolite"), Toledo, O.
Michigan Wood Preserving Co. (Creosoted), ("Century"), Century bldg, Pittsburgh, Pa.
Ohio Wood Preserving Co., Century bldg, Pittsburgh, Pa.
Pittsburgh Wood Preserving Co., Century bldg, Pittsburgh, Pa.
REPUBLIC CREOSOTING CO., Merchants Bank bldg, Indianapolis, Ind.
See adv index at end of book
Southern Wood Preserving Co., Atlanta, Ga.
See adv index at end of book
Wilson J. G. Corp. (English System), 11 E 36th, New York
Wood-Mosaic Co., New Albany, Ind.

4893a—Floors (Cork, Brick & Tile)

Armstrong Cork & Insulation Co., 24th & A V RR, Pittsburgh, Pa.

4893b— Floors (Fire-proof)

NATIONAL FIREPROOFING CO., 100 Fulton bldg, Pittsburgh, Pa.
See adv index at end of book

4893c— Floors (Iron)

AMERICAN ABRASIVE METALS CO. (Anti-Slip "Feralun"), 50 Church, New York
Irving Iron Wks., Long Island City, N. Y.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.

Kreodone Interior Wood Block Floors

KREODONE BLOCKS form the best heavy duty floor that has ever been developed.

For more than twenty years they have stood without an equal for durability and economy.

Made from the best of long-leaf yellow pine. Preserved with the highest grade of pure creosote oil on the market. They never bleed tar.

Write us for particulars and figures.

Republic Creosoting Company INDIANAPOLIS, INDIANA
Plants and Branches in Principal Cities

4894—Floors (Iron Slat, For Smoke Houses)

Gehret Bros., Bridgeport, Pa.

4895— Floors (Malt Kiln)

Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y. *See adv index at end of book*
Galland-Henning Mfg. Co. (Perforated), 26th av & Montana, Milwaukee, Wis. *See adv index at end of book*
Howard & Morse, 45 Fulton, New York
Littleford Bros., 444 E Pearl, Cincinnati, O. *See adv index at end of book*
Schillinger Bros. Co., 215 City Park av, Toledo, O.
Toepfer W. & Sons Co., 80 Menomonee, Milwaukee, Wis.

4896— Floors (Parquet)

Star (•) Indicates Manufacturers
Abrams Flooring Co., 435 Northumberland, Buffalo, N. Y.
Adams J. M., 330 N Charles, Baltimore, Md.
Adams R. T. & Co. (Wood Mosaic Flooring Co.), 108 Arlington, Boston, Mass.
American Parquetry Floor Co., 802 Bailey Bl, Phila., Pa.
•Bostwick-Goodell Co., Norwalk, O.
Bruner Owen M. Co., 4th & Chestnut, Phila. Pa. *See adv index at end of book*
Chicago Floor Co., 1327 W. Washington blvd, Chicago, Ill.
Cincinnati Floor Co., Eastern av & Linwood rd, Cincinnati, O.
Cleveland Hardwood Floor Co., Cleveland, O.
Dunfee J. & Co., 1327 Washington blvd, Chicago, Ill.
Eaglesfield Hardwood Flooring Co., 920 Dorman, Indianapolis, Ind.
Eaglesfield & Shepard, Indianapolis, Ind.
Frings Martin, 3639 N 11th, Phila., Pa.
Halbert Geo. & W., 33 Lafayette av, Brooklyn, N. Y.
Hasbrouck Flooring Co., 501 E 70th, New York
Heaton S. W., 1802 Chestnut, Phila., Pa.
Indiana Flooring Co., 232 Rider av, New York
Inlaid Floor Co., 600 Alabama, San Francisco, & 4067 Watts, Emeryville, Cal.
Interlaced Parquetry Co., 423 W. 126th, New York
•Johnson S. C. & Son, Racine, Wis.
•Koch G. W. & Son, 537 W 53d, New York
McBride Jas. Flooring Corp., 257 E. 133d, New York
Moore J. C. Co., 2025 N. 62d, Phila., Pa.
National Wood Floor Co., 607 W 43d, New York
•New York Flexible Wood Flooring Co., 112 W 42d, New York
Northwestern Parquet Floor Co., 142 E Lake, Minneapolis, Minn.
Osgood & Blodgett Mfg. Co., Duluth av & E 7th, St. Paul, Minn.
•Pope Charles A., 320 E 95th, New York
Reid, Wm. G. & Co., 280 Madison av, New York
Roberts Sash & Door Co. (For the Trade Only), 920 W 20th, Chicago, Ill.
Terwilliger Floor Mfg. Co., 607 W 43d, New York
•Wood-Mosaic Co., New Albany, Ind.

4896a—Floors (Perforated Steel)

Irving Iron Wks. Co., Long Island City, N. Y.
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*

Floors (Sanitary)

See Flooring, Sanitary

Flotation Oils

See Oils, Pine; also Oils, Tar

4897— Flour (Buckwheat)

Acme Milling Co., Corry, Pa.
Albers Bros. Milling Co., foot Massachusetts, Seattle, Wash.
Alert Mills, Fountain City, Wis.
Almond Roller Mills (O. Culver), Almond, Wis.
Argo Milling Co., Charlevoix, Mich.
Avis Milling Co., Waldron, Mich.
Birkett Mills, Penn Yan, N. Y.
Blair Milling Co., Atchison, Kans.
Blodgett-Holmes Co., Janesville, Wis.
Blyth E. J., Walworth, N. Y.
Bowles Bros. Co., Los Angeles, Cal.
Commercial Milling Co. (& Self Raising Pancake), 203 Randolph, Detroit, Mich.
Coombs Wm. A. Milling Co., Coldwater, Mich.
Corno Mills Co., St. Louis, Mo.
Cox A. G., Osseo, Wis.
Dayton Milling Co., Towanda, Pa.
Dean Silas & Son, Oak Hill, N. Y.
Elk Eye Milling Co., McConnellsville, O.
Elmore Milling Co., Oneonta, N. Y.
Filkins O. B., Stanton, Mich.
France Milling Co., Cobleskill, N. Y.
Friedline Wm., Sipesville, Pa.
Gilbert & Nichols Co., Fulton, N. Y.
Goshen Milling Co., Goshen, Ind.
Hale Jonathan & Sons, Lyons, Mich.
Harris Milling Co., Mt. Pleasant, Mich.
Herrick A. H. & Son, Watertown, N. Y.
Hunt & Washburn, Delanson, N. Y.
Huron Milling Co., Huron, S. Dak.
Johnson & Co., Franklin, Pa.
King Milling Co., Lowell, Mich.
Klingler H. J. & Co., Butler, Pa.
Lampman J. T. & Co., Claverack, N. Y.
Larrowe Milling Co., Cohocton, N. Y.
Messenger H. B., Federalsburg, Md.
Michigan Milling Co., Ann Arbor, Mich.
New Ulm Feed & Cereal Mill Co., New Ulm, Minn.
Rhinehart Grain Co., Unipolis, O.
Saginaw Milling Co., Saginaw, Mich.
Simison David D., Volant, Pa.
Smith Joseph & Co., Stockton, N. J.
Struve John, Lyons, Ia.
Tioga Mill & Elevator Co., Waverly, N. Y.
Titus & Hicks, Battle Creek, Mich.
Van Wyck & Stringham, Fishkill Plains, N. Y.
Vorhis F. C., Brookton, N. Y.
Voshell J. C. & Son, Camden, Del.
Wapsipinicon Mill & Power Co., Independence, Ia.
Watson-Higgins Milling Co., Grand Rapids, Mich.
White Milling Co., Bloomsburg, Pa.
Wiest George, Fort Atkinson, Ia.
Willy & Co., Appleton, Wis.
Wright Stillman & Co., Berlin, Wis.
Youman E. E., Ravena, N. Y.

4898— Flour (Carbon)

Carbon Products Co., Lancaster, Ohio
National Carson Co., Thompson av & Orton, Long Island City, N. Y.

4899—Flour (Core or Foundry)

Black Products Co., 135th & Calumet, Chicago, Ill.
Paxson J. W. Co., Dept. H, Nicetown la & D, Phila., Pa.
Piqua Flour Co. (Core Flour), Piqua, O.
Whitehead Bros. Co., 537 W 27th, New York

4900— Flour Mill Builders

Barnard Machinery Co., Enterprise, Kan.
Barnard & Leas Mfg. Co., Moline, Ill.
Great Western Mfg. Co., Leavenworth, Kans.

(Continued on following page)



Heavy Duty Floors

The vibration of heavy machinery, the pounding of endless lines of trucks cannot harm Creo-pine Wood Block Floors. They are built for heavy duty. They stand up under any and all conditions.

Creo-pine Wood Block Floors are *permanent* floors. Installation can be made without interfering with production.

Write for detailed information today.

Creo-pine

BLOCK FLOORS

SOUTHERN WOOD PRESERVING CO., ATLANTA, GA.

Creosoting and Creo-pine Products

Flour Mill Builders—Continued

MacDonald Engineering Co., 53 W Jackson blvd, Chicago, Ill.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
ROBINSON H. MFG. CO., Muncy, Pa.
Salem Foundry & Machine Works, Salem, Va.
SPROUT, WALDRON & CO., Muncy, Pa.
See adv index at end of book
Starr B. F. Co., 445 Guilford av, Baltimore, Md.

4901— Flour Mills

ALABAMA.

ATHENS—Black M. J. & Sons
BRUNDIDGE—Allen T. B.
CROSSVILLE—Jones W. B.
JENIFER—Priebe Mrs. E.
MOBILE—Alabama Corn Mills Co.
NEW MARKET—Rodgers A. D. & W. E.
PRATTVILLE—Pratt Gin & Milling Co.
ST. FLORIAN—Rasch T. J.
SEALE—Holland William H.
SPRINGVILLE—Ewing B.
TALLADEGA—Bingham Mills
WALNUT GROVE—Frix J. J.

ARIZONA.

PHOENIX—Phoenix Flour Mills
SAFFORD—Gila Valley Milling Co.
TUCSON—Eagle Milling Co.

ARKANSAS.

ARKADELPHIA—Arkadelphia Milling Co.
BENTONVILLE—Eagle Milling Co.
BERRYVILLE—Berryville Milling Co.
CASSCOE—Trice W. T. & Bro.
DEVALL BLUFF—Devall Bluff Gin & Milling Co.
EVENING SHADE—Moser Geo. W.
GILLHAM—Campbell W. M.
HINDSVILLE—Polk W. C.
JAMESTOWN—Jamestown Milling Co.
JONESBORO—Jonesboro Roller Mill Co.
KINGSTON—Kingston Milling Co.
MALVERN—Clem John M. & Son
MAMMOTH SPRING—Mammoth Spring Milling Co.
MAYSVILLE—Parkins W. B.
MINERAL SPRINGS—Dillard & Jones
MOUNTAIN HOME—Underhill Dillen
OZAN—Robins A. J.
PARIS—Bartsch August
PEA RIDGE—Pea Ridge Milling Co.
PIGGOTT—Clay County Mill & Elevator Co.
PINE BLUFF—Marco Mills
RECTOR—Rector Milling Co.
ROSIE—Rosie Mill & Gin Co.
ST. FRANCIS—Sprague A. O.
STEPROCK—Ellis R. S.
SUMMERS—Barton & Bro.
VALLEY SPRINGS—Valley Springs Milling Co.
WEST FORK—West Fork Mill Co.

CALIFORNIA.

COLTON—Globe Grain Milling Co.
COLUSA—Colusa Milling Co., Inc.
DURHAM—Durham Mill Co.
FRESNO—Sperry Flour Co.
HANFORD—Lacey Milling Co.
LOS ANGELES—Albers Bros. Milling Co., 736 Santa Fe av
California Milling Corp., 55th & Alameda
Globe Grain Milling Co., 907 E. 3rd
Great Western Milling Co., 936 McGarry
Nicholls-Loomis Co. (Whole Wheat), 2505 Santa Fe av
Vitamin Milling Co., 367 Aliso
MODESTO—Johnson Milling Co.
MONTAGUE—Mount Shasta Milling Co.
OAKDALE—Oakdale Milling Co.
OLIVE—Olive Milling Co.
PASADENA—Pasadena Milling Co.
PETALUMA—Golden Eagle Milling Co.
SACRAMENTO—Globe Grain Milling Co.
SAN DIEGO—Globe Grain Millinng Co.
SAN FRANCISCO—Globe Grain Milling Co., Chestnut & Montgomery
Sperry Flour Co., 332 Pine
Yosemite Flour Mills
SANTA ROSA—Santa Rosa Flour Mills Co.
STOCKTON—Sperry Flour Co.
UKIAH—Ukiah Milling Co.
VALLEJO—Sperry Flour Co.
WATSONVILLE—Trafton G. A. & Son

COLORADO.

ALAMOSA—Alamosa Flour Mills
ANTONITO—Conejos Co-operative Roller Mills & Mfg. Co.
BERTHOUD—Farmers' Flour Mills
DENVER—Crescent Flour Mills, 29th av & Jason
GOLDEN—Rock Flour Mills
GRAND JUNCTION—Mesa Flour Mill
GREELEY—Model Flour Mills
LONGMONT—Longmont Flour Mills
SAN LUIS—Parrish W. S.
WRAY—Wray Mills Co.

DELAWARE.

CAMDEN—Howell Thos. H.
LAUREL—Records W. T. & Son

GEORGIA.

ADAIRSVILLE—Veach J. M. Co.
ATLANTA—Atlanta Milling Co.
AUGUSTA—Clark Milling Co.
BUTLER—McCants J. J.
CALHOUN—Calhoun Roller Mills
CARNESVILLE—Carnesville Gin & Milling Co.
CARROLLTON—New D. F.
CAVE—Gaines L. P.
CEDARTOWN—Lovvorn W. J.
COLUMBUS—City Mills Co.
Empire Mills Co.
CUSSETA—Gordy Geo. G.
DALTON—Barrett, Denton & Lynn Co.
DOUGLASVILLE — Douglasville Roller Mill
DUBLIN—Pope J. T.
FORSYTH—Thurmond Bros.
FORT VALLEY—Georgia Milling Co.
GAINESVILLE—Gainesville Roller Mills Co.
GRAYSVILLE—Gray Bros.
LA FAYETTE—La Fayette Roller Mills
McHENRY—Fields L. C.
MAYSVILLE—Bacon Milling Co.
MILLEDGEVILLE—Oconee River Mills
NEWNAN—Askew W. S. Co.
RISING FAWN—Cureton Geo. W.
ROCKY FACE—Hassler S. R.

IDAHO.

BLACKFOOT—Blackfoot Farmers' Milling Co., Ltd.
COEUR D'ALENE — Coeur D'Alene Grain & Milling Co.
CONANT—Conant Edward
COTTONWOOD—Cottonwood Milling & Elevator Co.
MENAN—Menan Milling Co., Ltd.
MOSCOW—Miller Mark P. Milling Co.
PARIS—Paris Roller Mills Co.
PRESTON—Preston Milling Co.

ILLINOIS.

ALTAMONT—Johnston-Hicks Mill Co.
ALTON—Sparks Milling Co.
ANNA—Bruchhauser Bros.
AVA—Dean Mill Co.
BELLEVILLE—Imbs J. F. Milling Co.
CARLYLE—Carlyle Milling Co.
COLLINSVILLE—Tiedemann Chas. Milling Co.
COLUMBIA—Columbia Star Milling Co.
HIGHLAND—Highland Milling Co.
MARINE—Valier & Spies Milling Co.
MARISSA—Meek Milling Co.
MASCOUTAH—Postel Ph. H. Milling Co.
MURPHYSBORO—Reliance Milling Co.
Southern Illinois Milling & Elevator Co.
NASHVILLE—Camp Spring Mill Co.
Huegly Milling Co.
NEW BADEN—New Baden Milling Co.
O'FALLON—Tiedmann Milling Co.
OLNEY—Olney Milling Co.
PEORIA—Gift J. W. & Co.
PITTSFIELD—King M. D. Milling Co.
PRAIRIE DU ROCHER—Schoening-Koenigsmark Milling Co.
QUINCY—Knollenberg Milling Co.
RED BUD—Becker C. Milling Co.
Ziebold G. Milling Co.
TEUTOPOLIS—Siemer Milling Co.
TRENTON—Trenton Milling Co.
VALMEYER—Salt Lick Milling Co.
WATERLOO—Koenigsmark Mill Co.

INDIANA.

BEDFORD—Lemon Milling Co.
BERNE—Berne Milling Co.
CAMBRIDGE CITY—Creitz W. A. Co.
COLUMBIA CITY—Tuttle R. & Co.
COLUMBUS—Schaeffer & Schwartzkopf
EVANSVILLE—Akin-Erskine Milling Co., 300 5th av
Brose & Aronold, Belvue
Iglehart Bros., 2214 1st av
Phoenix Flour Mills, Morton av
Ziliak & Schafer Milling Co., 900 Walnut
FAIRMOUNT—Ulrey A. A. & Co.
FORT WAYNE—Mayflower Mills
GOSHEN—Goshen Milling Co.
HAUBSTADT—Ziliak-Shafer Milling Co.
INDIANAPOLIS—Acme-Evans Co., Blake & Washington av
Blanton Milling Co., Blake & Washington av
KENT—Kent Milling Co.
LAWRENCEBURG—Lawrenceburg Roller Mills Co.
LAFAYETTE—Lafayette Corn Flour Mills
LOOGOTEE—Walker P. M. & Co.
MARION—Thomas Milling Co.
MOUNT VERNON—Fuhrer-Ford Milling Co.
NEW HARMONY—Fuhrer-Ford Milling Co.
PERU—Peru Milling Co.
PRINCETON—Moore R. P. Milling Co.
Princeton Milling Co.
RICHMOND—Richmond Roller Mills
SHERIDAN—Sheridan Milling Co.
SHOALS—Star Milling Co.

IOWA.

CLARINDA—Shambaugh & Son.
ELKADER—Schmidt Bros. & Co.
LE MARS—Plymouth Milling Co.
RED OAK—Replogle Co.
SIOUX CITY—Mystic Milling Co.
WALNUT—Walnut Milling Co.

KANSAS.

ABILENE—Security Flour Mills Co.
ARKANSAS CITY—Arkansas City Milling Co.
New Era Milling Co.
ATCHISON—Lukens Milling Co.
BUHLER—Buhler Mill & Elevator Co.
CALDWELL—Caldwell Milling Co.
CHERRYVALE—Sauer N. Milling Co.
CLAFLIN—Claflin Mill & Elevator Co.
CLAY CENTER—Snell Mill & Grain Co.
CLYDE—Clyde Milling & Elevator Co.
CONCORDIA—Concordia Milling Co.
ELLINWOOD—Wolf Milling Co.
EMPORIA—Soden J. R.
FORT SCOTT—Goodlander Milling Co.
FREDONIA—Wiley Milling Co.
GREAT BEND—Barton County Flour Mills Co.
Walnut Creek Milling Co.
JUNCTION CITY—Hogan Milling Co.
KIRWIN—Jackson John W. & C. R.
LEAVENWORTH—Leavenworth Milling Co.
Lysle J. C. Milling Co.
LEHIGH—Groening Bros.
LINDSBORG—Lindsborg Milling & Elevator Co.
Smoky Valley Roller Mills
LYONS—Lyons Milling Co.
McPHERSON—Colburn Bros. Co.
Wall-Rogalsky Milling Co.
MOUNDRIDGE—Moundridge Milling Co.
NEODESHA—Land Milling Co.
NEWTON—Newton Milling & Elevator Co.
OSWEGO—Pearl Roller Mill Co.
RUSSELL—Russell Milling Co.
SALINA—Lee H. D. Flour Mills Co.
SYLVIA—Sylvia Larned Milling Co.
TOPEKA—Kaw Milling Co.
Page Thomas Milling Co
Shawnee Milling Co.
Topeka Flour Mill Co.
TROY—Clark Bros.
WELLINGTON—Hunter Milling Co.
Wellington Milling & Elevator Co.
WICHITA—Kansas Milling Co.

KENTUCKY.

ADAIRVILLE—Orndorff & Cheney
AKERSVILLE—Akersville Roller Mill Co.
ALBANY—Hancock Bros.
ALVATON—Larmon L. M.
ARLINGTON—Neville W. N.
ASHLAND—Ashland Milling Co.
Poage R. C. Milling Co.
AUBURN—Auburn Mills
BARLOW—Stahl & Rudolph
BEAVER DAM—Beaver Dam Milling Co.
Farmers' Milling Co.
BERRY—Kendall William C.
BETHLEHEM—Sewell W. F.
BLOOMFIELD—Bloomfield Mill Co.
BOWLING GREEN—Bowling Green Milling Co.
Park City Milling Co.
BRADFORDVILLE—Walker H. C., & Co.
BROOKSVILLE—Farmers' & Merchants' Milling Co.
BUFFALO—Keith Bros.
BURNSIDE—Burnside Roller Mills
CADIZ—White A. P. & Co.
CAMPBELLSBURG—Blue Grass Milling Co.
CANE VALLEY—Cane Valley Mill Co.
CARLISLE—Carlisle Milling Co.
CAVE CITY—Farris Milling Co.
CAYCE—Cayce Milling Co.
CERULEAN—Standard Roller Mills Co.
CLARKSON—Clarkson Milling Co.
CLAY POOL—Britt J. A. & Son
CLAYSVILLE—Harding J. W.
CLOVERPORT—Squires B.
COLESBURG—Pardee C. A.
CORYDON—Corydon Milling Co.
CRITTENDEN—Collins Richard L. & Sons
CUMMINSVILLE—Cummins Chas.
CYNTHIANA—Crescent Milling Co.
Crown Jewel Milling Co.
DANVILLE—Anderson & Spilman
DAWSON SPRINGS—Dawson Milling Co.
DUNDEE—Renfrow & Dean
EDMONTON—New Edmonton Mills, Inc.
ELGIN—Albright A. & Sons
ELIHU—Parker E. F.
ELIZABETHTOWN—Elizabethtown Milling Co.
ELKTON—Damon W. F.
EMINENCE—Eminence Milling Co.
ETOILE—Williams & Scott
EUBANK—Payne & Estes
FALMOUTH—Ideal Roller Mills
FRANKLIN—College Mill Co., Simpson County Mills
GAMALIEL—Comer & Beals
GEORGETOWN—Wolfe R. H. & Son
GERMANTOWN—Germantown Milling Co.
GRADYVILLE—Rogers, Rose & Co.
GREENUP—Greenup Milling Co.
GREENVILLE—Home Milling Co.
Shaver J. A.
HARDYVILLE—Philpot & Co.
HARRODSBURG—Adams & Langford
Williams John P.
HARTFORD—Ford J. W.
HENSHAW—Johns Alfred Milling Co.
HODGENVILLE—Hodgenville Roller Mills
HOPKINSVILLE—Acme Mills
Cate James & Son Co.
Hopkinsville Milling Co.
HORSECAVE—Poynter R. P. & Sons
HUNTERSVILLE—Spring Creek Roller Mill Co.
IRVINE—Snowden A. D. & Bro.
IRVINGTON—Irvington Mill & Elevator Co.
JAMESTOWN—Kerns & Reese
KNOBLICK—Thompson T. W.
KUTTAWA—Kuttawa Milling Co.
LANCASTER—Garrard Milling Co.
Lancaster Flour Mills
LAWRENCEBURG—Eagle Roller Mills, Inc.

LEITCHFIELD—Leitchfield Milling Co.
LEWISPORT—Lewisport Mill Co.
LEXINGTON—Lexington Roller Mills Co.
Woolcott Flour Mills
LOUISA—Big Sandy Milling Co.
Ballard & Ballard Co.
Louisville Cereal Mill Co.
McQUADY—Bates J. B.
McQuady Milling Co.
MADISONVILLE—Madisonville Milling Co
MARION—Baker & Mays
Marion Milling Co.
MAXON MILL—Temple, Adams & Sons
MAYSVILLE—Carr R. A.
MELBER—Fry John W.
MILLSPRINGS—Roberts B. E. & Co.
MINTONVILLE—Roy & Dye
MONTICELLO—Stokes J. J. & Son
Tate J. H. & Co.
MOOLEYVILLE—Redmon, T. F.
MURRAY—Moore J. J. & Son
NEW HAVEN—Florence B. D. & Son
New Haven Mill Co.
NEWPORT—Dorsel Co.
NOLIN—Nolin Milling Co.
OWENSBORO—Bransford Mills
Broeker Chas. & Co.
PARIS—Paris Milling Co.
PARKSVILLE—Powell C. E.
PEMBROKE—Pembroke Roller Mills
PETERCREEK—Jones J. H.
PRINCETON—Kevil R. U. & Sons
RICHMOND—Zaring J. W. Grain & Mill Co.
RINEYVILLE—Rineyville Roller Mills Co.
ROCKY HILL STATION—Philpot & Lile
RUSSELLVILLE—Ellis T. M. & Co.
SADIEVILLE—Sadieville Milling Co.
SANDERS—Williams E. I. & Co.
SCIENCE HILL—Science Hill Milling Co.
SCOTTSVILLE—Scottsville Milling Co.
SHELBYVILLE—Long S. M. & Son
SLAUGHTERS—Ogden E. F.
SMITHS GROVE—Model Roller Mills Co.
SOMERSET—Somerset Milling Co.
SOUTH CARROLLTON—Wolcott J. F. & Co.
SPARTA—Brock V. A.
STAMPING GROUND—Palmer & Sinkhorn
STANFORD—Baughman J. H. & Co., Inc.
Kennedy D. V. & Co.
Lyon C. S.
Spoonamore F. P.
STILLWATER—Rose & Cecil
STURGIS—Sturgis Milling Co.
SULPHER WELL—Marcum S. M. & Bro.
SUNRISE—Bradford & Elliott
TATHAM SPRINGS—Carey Bros.
TAYLORSVILLE—Beauchamp I. D.
Crescent Roller Mills Co.
UNIONTOWN—Uniontown Roller Mill Co.
VALLEY OAK—Bobbitt James H.
VANARSDELL—Vanarsdell R. S.
VINEGROVE—Burkhardt W. A.
WACO—Rucker, Benton & Co.
WELDON—Coleman & Smith
WHITE MILLS—Richardson J. D. & Son
WHITE'S STATION—Potts R. L. & Son

LOUISIANA.

ALBERTA—Wardlow H. P.
LAKE CHARLES—Louisiana Grain & Milling Co., Ltd.
SIMSBORO—Burt W. A. & Son

MARYLAND.

BALTIMORE—Gambrill C. A. Mfg. Co., 104 Commerce
CUMBERLAND—Cumberland Milling Co.
FOWLING CREEK—Deen C. Clarence
POCOMOKE CITY—Eagle Mills
WALKERSVILLE—Glade Valley Milling Co.

MICHIGAN.

ALBION—Albion Milling Co.
ANN ARBOR—Michigan Milling Co.
BARK RIVER—Rood M. & Co.
BIG RAPIDS—Darrah Milling Co.
BLOOMINGDALE—Bloomingdale Milling Co.
CADILLAC—Cornwall J. & Sons
CAMDEN—Alward B. R.
COLDWATER—Coombs Wm. A. Milling Co.
COLON—Lamberson C. A. & Co.
CONSTANTINE—Constantine Milling Co.
DETROIT—Commercial Milling Co., 203 Randolph
DOWAGIAC—Colby Milling Co.
FLINT—Burroughs J. P. & Son
GREENVILLE—Wright Bros. & Co.
HOLLAND—Beach Milling Co.
JACKSON—Heywood Milling Co.
Taylor Thomas B.
JENISON—Jenison L. & L. Co.
LAKEVIEW—Lakeview Milling Co.
MIDDLEVILLE—French R. T.
MONROE—Ameudt Milling Co.
MORENCI—Kellogg & Buck
MT. PLEASANT—Harris Milling Co.
PETOSKEY—Hankey Milling Co.
PORTLAND—Portland Milling Co.
SAGINAW—Brand & Hardin Milling Co.
SOUTH ROCKWOOD—Strong John Co.

MINNESOTA.

APPLETON—Jennison W. J. Co.
AUSTIN—Peerless Roller Mills Co.
BADGER—Sjoberg Bros.
BLUE EARTH—Blue Earth City Mill Co.
CAMPBELL—L. G. Milling Co.
CANNON FALLS—Cannon Valley Milling Co. (See Minneapolis)
CROOKSTON—Crookston Milling Co.
DULUTH—Duluth Universal Milling Co.
FAIRFAX—Crescent Milling Co.
FERGUS FALLS—Fergus Flour Mills Co.
FOSSTON—Stadsvold S. S.
FRAZEE—Stelzner Charles J.
HUTCHINSON—Ames Bros.
LAKE CITY—Tennant & Hoyt Co
LITTLE FALLS—Northwestern Milling Co.
MADELIA—Christensen C. S. Co.
MARSHALL—Marshall Milling Co.
MAZEPPA—Olson & Nels M.
MELROSE—Melrose Milling Co.
MINNEAPOLIS — Barber Milling Co., Cham. Com.
Big Diamond Mills Co., 922 Flour Ex.
Blaisdell Milling Co., Met. Nat'l Bank bldg.
Cannon Valley Milling Co., 822 Flour Exch.
Christian Geo. C. & Co., Inc., New Cham. Com.
Commander Mill Co., 922 Flour Exch.
Jennison W. J. Co., 922 Flour Exch.
National Milling Co., 713 Chamber of Commerce
Phoenix Mill Co., 112 6th
Pillsbury Flour Mills Co. ("Pillsbury"), Metropolitan Life bldg
Russell-Miller Milling Co., Security bldg.
Sheffield-King Milling Co. ("Gold Mine"), Third Floor Chamber of Commerce
Washburn-Crosby Co., Cham. Com.
MONTEVIDEO—Chippewa Milling Co.
MORGAN—Green Casper & Son
Morris City Mills
MORRIS—Morris City Mills
NEW ULM—Eagle Roller Mill Co., ("Daniel Webster" & Gold Coin")
NORTH BRANCH—North Branch Milling Co.
OSAKIS—Osakis Milling Co.
PELICAN RAPIDS—Frazee H. E.
RED WING—Red Wing Milling Co.
ST. JAMES—St. James Milling Co.
ST. JOSEPH—St. Joseph Milling Co.
SHAKOPEE—Christian L. & Co., Inc.
SPRINGFIELD—Springfield Milling Co.
WABASHA—Wabasha Roller Mill Co.
WELLS—Wells Flour Milling Co.
WINDOM—Collins T. C. & Son

MISSISSIPPI.

CORINTH—Union Mill, Gin & Warehouse Co.
EUPORA—Finch T. A.
LENA—Garrett Bryant
WEST—West Gin & Mill Co.

MISSOURI.

AURORA—Aurora Milling Co.
Majestic Milling Co.
BLOOMFIELD—Buck & Toole Milling Co.
BONNE TERRE—Moran Bros.
BOONVILLE—Sombart Milling Co.
BOWLING GREEN—Hume Mill Co.
CALIFORNIA—Kuhlmann & Meyer
CARTHAGE—Cowgill & Hill Milling Co.
McDaniel Milling Co.
CHARLESTON—Charleston Milling Co.
DE SOTO—De Soto Roller Mills
FARMINGTON—Farmington Milling Co.
Giessing Milling Co.
FLAT RIVER—Reuter Milling Co.
GLASGOW—Glasgow Milling Co.
HANNIBAL—Carter, Shepherd & Milling Co.
Hannibal Milling Co.
HERMANN—Eggers Milling Co.
HIGGINSVILLE—Higginsville Milling Co.
INDEPENDENCE—Waggoner-Gates Milling Co.
JACKSON—Cape County Milling Co.
JEFFERSON CITY — Dulle G. H. Milling Co.
JOPLIN—Brand-Dunwoody Milling Co.
KANSAS CITY—Kidder R. E. Flour Mills
Kimball Milling Co., Shawnee & Valley
Zenith Milling Co., 1st & Troost
LEBANON—Lingoweiler, J. G.
MARSHALL—Land Mose H.
Rea & Page Milling Co.
NEOSHO—Neosho Milling Co.
NEW HAVEN—Wolff Milling Co.
ST. LOUIS—Corn Mills Co., International Life bldg.
Regina Flour Mill Co.
Saxony Mills, 321 Lombard
ST. MARY'S—St. Mary's Mill Co.
SEDALIA—Sedalia Milling Co.
SPRINGFIELD—Eisenmayer Milling Co.
Link Milling Co.
TROY—Hanni Nicholas

NEBRASKA.

ALBION—Albion Milling Co.
ARAPAHOE—Arapahoe Flour Mills
BEATRICE—Black Bros.
CAMBRIDGE—Cambridge Milling Co.
CEDAR RAPIDS—Van Ackeren Bros.
CENTRAL CITY—Jenkins J. E.
COLUMBUS—Elevator Roller Mills Co.
CRETE—Crete Mills
DAVID CITY—Etting A. E.
FREMONT—Fremont Milling Co.
GRAND ISLAND — Glade Henry Milling Co
LEXINGTON—Lexington Mill & Elevator Co.
LINCOLN—Gooch Milling & Elevator Co.
Lincoln Mills, Inc.
LOUP CITY—Spelts A.
NORFOLK—Norfolk Cereal & Flour Mills
OMAHA—Maney Milling Co.
ORD—Ord Milling Co
SCHUYLER—Wells-Abbott-Nieman Co.
SEWARD—Boyes, Hulshizer & Co.
SUPERIOR—Superior Milling Co.

NEVADA.

RENO—Riverside Mill Co.

NEW JERSEY.

BELVIDERE—McMurtrie Milling Co.
MILFORD—Thomas W. & W. E.

NEW MEXICO.

SOCORRO—Crown Mill Co.

NEW YORK.

BALDWINSVILLE—Frazee James Milling Co.
Mercer Milling Co.
BATAVIA—Franklin Mills Co.
BINGHAMTON—Baker Bros.
Moon Geo. Q. & Co., Inc.
BUFFALO—Niagara Falls Milling Co., Chamber of Commrece bldg
Urban Geo Milling Co., 332 Oak
CAMDEN—Penfield & Stone
COHOCTON—Larrowe Buckwheat Flour Corp'n.
CORNING—Hayt S. T. (Est. of)
ELMIRA—Chase-Hibbard Corporation
FULTON—Macwell Milling Corp.
GOUVERNEUR—McAllaster J. E. & Sons
LOCKPORT—Federal Milling Co.
MORAVIA—Selover Milling Co.
NEW YORK CITY—Hecker-Jones-Jewell Milling Co., 40 Corlears
NIAGARA FALLS—Cataract City Milling
OGDENSBURG—Bill, Bell & Co.
ONEONTA—Elmore Milling Co.
PENN YAN—Birkett Mills
POTSDAM—Potsdam Milling Co.
ROCHESTER—Hinds J. A. & Co.
Moseley & Motley Milling Co.
VICTOR—Victor Milling Co.
WARSAW—Roberts Bros. Flour Mills, Inc.
WATERTOWN—Farwell & Rhines, Inc.

NORTH CAROLINA.

ASHBORO—Ashboro Roller Mills
ASHEVILLE—Asheville Milling Corp'n.
BEAVER CREEK—Hamilton R. A.
BETHANIA—Bethania Stock Co.
BURLINGTON—Dixie Milling Co.
Hico Milling Co.
CANE RIVER—Byrd Milling Co.
CHAPEL HILL—Pritchard W. N. & I. W.
CHINA GROVE—China Grove Roller Mills
CRESTON—Creston Roller Mills
CROUSE—Beaver Dam Roller Mill
DEMOCRAT—Carter Milling Co.
DENTON—Denton Roller Mills
EAST BEND—Doub J. W. & Bros.
EFLAND—Efland Milling Co.
Smith W. P.
ELKIN—Elkin Roller Mills
ENTERPRISE—Arcadia Mill Co.
EURE—Storey Bros.
FARMER—Farmer Roller Mill Co.
FARMINGTON—Ellis Flour Mills
FAYETTEVILLE—McNeill Milling Co.
FRANCISCO—George R. W.
FULLERS—Fuller A. W.
GLEN ALPINE—Glen Alpine Milling Co.
GREENSBORO—North State Milling Co.
GULF—McIver J. M.
HELTON—Perkins W. J.
HICKORY—Brewer L. R.
HIDDENITE—Davis Springs Co., Inc.
HIGH FALLS—High Falls Mfg. Co.
HIGH POINT—Barker F. H.
Dixie Milling Co.
High Point Milling Co.
HILLSBORO—Walker Bros.
JULIAN—Julian Milling Co.
KERNERSVILLE—Harmon & Reid
KITTRELL—Ellis J. B.
LANDIS—Landis Milling Co.
LENOIR—Lenoir Mills, Inc.
LEXINGTON—Grimes Bros.
LIBERTY—Liberty Milling Co.
LINCOLNTON—Banner Roller Mills (Inc.)
Lincoln Milling Co.
MADISON—McMichael J. P. & Co.
MAIDEN—Murray, Williams & Co.
MEBANE—Cook Milling Co.
MIDDLEBURG—Fleming E. L.
MILTON—Milton Mill Co.
MOCKSVILLE—Horne-Johnson Co.
MONROE—Henderson Roller Mills Co.
NASHVILLE—Warren Milling Co.
NEWTON—Newton Roller Mills
NORTH WILKESBORO — North Wilkesboro Roller Mills
OAKS—Morrow's J. Sons
RALEIGH—Lassiter C. J.
REEPSVILLE—Howard Creek Mill Co.
RICH SQUARE—Farmers' Ginning & Milling Co.
ROCKFORD—Kurfees C. F.
RUSK—Dobbins T. A. & Co.
SALISBURY—Grimes Milling Co.
SELWIN—Hollowell & Bunch
SILER CITY—Siler City Milling Co.
SILOAM—Martin O. J.
SOUTH LOWELL—Russell Robert G.
SOUTH RIVER—Tatum P. O.
SPARTA—Sparta Roller Mill Co.
STATE ROAD—Hanes Roller Mills
STATESVILLE—City Flour Milling Co.
Star Milling Co.
Statesville Flour Mill Co.
SUGAR GROVE—Watauga Roller Mills
TAYLORSVILLE—Taylorsville Milling Co.
TELEPHONE—Telephone Roller Mill Co.
THOMASVILLE—Ward John & Co.
TROY—Troy Milling Co.
WAYNESVILLE—McCracken M. J.
WESTFIELD—Westfield Milling Co.
WINSTON-SALEM—Forsyth Roller Mills
Southside Roller Mills

(Continued on following page)

Flour Mills—Continued

NORTH CAROLINA—Continued

WOODLEAF—Rice & Rutledge
WORRY—Henderson L. P.
YADKINVILLE—Hinshaw J. M. & Co.

NORTH DAKOTA.

GRAFTON—Grafton Roller Mill Co. ("White Jacket," "Perfection")
KULM—Kulm Mill Co.
LIDGERWOOD—Lidgerwood Co-op. Milling Co.
PARK RIVER—Park River Milling Co.
RUGBY—Rugby Milling Co.
WILLISTON—Williston Mill Co.

OHIO.

ASHTABULA—Reidenbach R. P.
BELLEFONTAINE—Colton Bros. Co.
CINCINNATI—Feiss Flour Milling Co., 3rd & Baymiller
COSHOCTON—Lee Edwin S.
DAYTON—Durst Milling Co.
HAMILTON—Carr Milling Co.
IRONTON—Goldcamp Mill Co.
KENT—Williams Bros. Co.
LANCASTER—Graham Milling Co.
LIMA—Holdridge Hiram A. Co.
MARIETTA—Phoenix Mill Co.
MASSILLON—Warwick Co.
MILLERSBURG—Miller J. D. & J. L.
ORRVILLE—Orrville Milling Co.
PIQUA—Piqua Milling Co.
ROSCOE—Lee Milling Co. (See Coshocton)
ST. MARY'S—Gordon-Hauss-Folk Co.
SPRINGFIELD—Ansted & Burk Co.
TOLEDO—Mennel Milling Co.
Toledo Grain & Milling Co.
YOUNGSTOWN—Baldwin Homer (Est. of)

OKLAHOMA.

ALTUS—Leger Mill Co.
ALVA—Alva Roller Mills
ANADARKO—Anadarko Milling Co.
ARDMORE—Ardmore Milling Co.
BLACKWELL—Blackwell Milling & Elevator Co.
CASHION—El Reno Mill & Elevator Co.
CENTRALIA—Tate W. C. & Son
CHICKASHA—Chickasha Milling Co.
CUSTER—Custer Milling Co.
Hobart Mill & Elevator Co.
DEER CREEK—Blackwell Milling & Elevator Co.
DOVER—Dover Milling Co.
EL RENO—Canadian Mill & Elevator Co.
Elreno Mill & Elevator Co.
ENID—Enid Milling Co.
Millers Milling Co.
FAY—Thomas Milling Co.
GAGE—Gage Roller Mills
GARBER—Garber Mill & Elevator Co.
GEARY—Geary Milling & Elevator Co.
GOLTRY—Enid Mill & Elevator Co.
GROVE—Killam O. W. & W. T.
GUTHRIE—Guthrie Mill & Elevator Co.
HENNESSY—Star Mill & Elevator Co.
HOBART—Hobart Mill & Elevator Co.
HUGO—Hugo Milling Co.
KINGFISHER—Kingfisher Mill & Elevator Co.
Oklahoma Mill Co.
KREMLIN—Enid Milling Co.
MADILL—Madill Grain & Elevator Co.
MANGUM—Mangum Milling Co.
MENO—Meno Milling Co.
MOORE—Norman Milling & Grain Co.
MUSKOGEE—Davidson Mill & Elevator Co.
NEWKIRK—Arkansas City Milling Co.
NORMAN—Norman Milling & Grain Co.
OKARCHE—El Reno Mill & Elevator Co.
Kingfisher Mill & Elevator Co.
OKLAHOMA—Acme Milling Co.
Oklahoma City Mill & Elevator Co.
PERRY—Perry Mill Co.
PONCA CITY—Ponca City Milling Co.
SALT FORK—Blackwell Milling & Elevator Co.
SHAWNEE—Shawnee Milling Co.
SKIATOOK—Stringer J. M.
STILLWATER—Stillwater Milling Co.
TAHLEQUAH—Tahlequah Mill & Elevator Co.
TANGIER—Alva Roller Mills
WEATHERFORD — Weatherford Milling Co.
WYNNEWOOD—Kemp J. W.
YUKON—Yukon Mill & Grain Co.

OREGON.

COTTAGE GROVE—Cottage Grove Flouring Mills
EUGENE—Eugene Mill & Elevator Co.
FREEWATER—Peacock Mill Co.
ISLAND CITY—Pioneer Flouring Mill Co.
LA GRANDE—La Grande Milling Co.
PORTLAND—Albers Bros. Milling Co., Front & Broadway
Portland Flour Mills Co., E. 2d & Washington
PRINEVILLE—Stewart & Carlson
ST. JOHNS—Jobes Milling Co.
SPRINGFIELD—Springfield Mill & Grain Co.
STAYTON—Gardner A. D.

PENNSYLVANIA

ARDEN—Leech J. C.
ASHVILLE—Weber J. J.
BELLEFONTE—Gamble, Geo. M. Co.
BERNVILLE—Sunday J. D.
BETHLEHEM—Luckenbach D. & A.
BLOOMSBURG—Ikeler Roland R.
BROOKVILLE—Kline Mrs. Elizabeth
CARBONDALE—Carbondale Milling Co.
CARMICHAELS—Neil James & Co.
CLARKSTOWN—Bieber Williams S.
COLUMBIA—Columbia Milling Co.
CONNELLSVILLE—Perry & Henderson
CORRY—Evrbest Milling Corp.
Heath F. L.
Miller & Parsons
Vantassel R. H.
DUNCANNON—Duncannon Flouring Mill Co.
EASTON—Williams Frank C.
EMLENTON—Emlenton Milling Co., Ltd.
EMPORIUM—Emporium Milling Co.
ERIE—Crouch Bros. Co.
FALLS—Brown C. A.
HANOVER—Penn Mill Co.
HOWARD—Long W. H.
INDIANA—Hetrick Wilson & Co.
LAURY'S STATION—Mauser Mill Co.
LEBANON—Strickler C. F. & W. H. Milling Co.
Lebanon Milling Co.
LEWISTOWN — Spanogle-Yeager Milling Co.
LUZERNE—Luzerne Milling Co.
MACUNGIE—Fritch D. D. & N. D.
MANHEIM—Manheim Milling Co.
MIFFLIN—Manbeck W. H. & Co.
MILFORD SQUARE—Campbell E. D.
MILL HALL—Knecht Milling Co.
NEW BETHLEHEM—Red Bank Mills
NORTH EAST—Blaine-Mackay-Lee Co.
PARKER'S LANDING—Parker Milling Co
PAXINOS—Vought Milling Co.
PHILADELPHIA—Buffalo Flour Milling Co., Central Tr. bldg
Quaker City Flour Mills Co., 3040 Market
PIKESVILLE—Reitnauer James
Loder Ellis Y.
ROCKWOOD—Rockwood Milling Co.
SCHNECKSVILLE—Hollenbach Frank H.
SELINGSGROVE—Monroe Milling Co.
Youngman J. F.
SHAWVILLE—Shaw A. B. Estate
SUNBURY—Blank & Gottshall
Kift Milling Co.
TREICHLERS—Mauser Mill Co.
TROUT RUN—Berger Mrs. Chas. E.
TYRONE—Tyrone Milling Co.
WALTERSBURG—Brown Asahel C. & Son
WAMPUM—Wampum Mill Co.
WERNERSVILLE—Wertz Robert W.
YARDLEY—Yardley Mills Co.

SOUTH CAROLINA.

CHARLESTON—Blohme Milling Co.
FLORENCE—Florence Ginning & Milling Co.
GREENVILLE—Eagle Roller Mills
Mountain City Milling Co.
LEESVILLE—Barr C. D.
LEXINGTON—George E. J.
PENDLETON—Timms S. R.
SIMPSONVILLE—Adams W. A.
SPARTANBURG—Bell J. W.
Spartanburg Grain & Mill Co.

SOUTH DAKOTA.

ABERDEEN—Aberdeen Mill Co.
BELLE FOURCHE—Tri State Milling Co
MADISON—Madison Mill & Grain Co.
WATERTOWN—Stokes Milling Co.
WEBSTER—Webster Mill Co.
WESSINGTON SPRINGS—Jerauld County Milling Co. ("Dakota Cream"), Dept. H

TENNESSEE.

ADAMS—Winters J. H. & Son
AFTON—Babb Mill Co.
ANDERSONVILLE—Williams R. B.
ASPEN HILL—Williams & Simpson
ATHENS—Athens Roller Mills
ATWOOD—Murchison D. T.
BARTLETT—Gotten D. H.
BELLBUCKLE—Bellbuckle Milling Co.
BELVIDERE—Belvidere Milling Co.
BETHPAGE—Thompson R. M.
BIG SANDY—Hastings J. W. & Son
BLUFF CITY—Bluff City Mills, Inc.
BODENHAM—Patrick & Shore
BOLIVAR—Breedon Geo. W.
BOMA—Braswell S. G.
BRADFORD—Bradford Milling Co.
BRISTOL—Barrow-Scott Milling Co.
Twin City Mill Co.
BROWNSVILLE—Crandell W. W.
BUMPUS MILLS—Saline Valley Roller Mills
BURNS—Anderson S. J.
CALHOUN—Saulpaw G. L. & Son
CEDAR HILL—Cedar Hill Roller Mill
CHARLOTTE—Charlotte Roller Mills
CHATTANOOGA—Mountain City Mill Co., 1120 King
Shelton Mills, W. & A. R. R., near Market
CLARKSVILLE—Dunlop Milling Co.
CLEVELAND—Cleveland Milling Co.
Cox, A. J.
Skyes Milling Co.
CLINTON—Linebaugh W. A.
COLUMBIA—Ashton J. B.
City Mill & Grain Co.
Columbia Mill & Elevator Co.
COOKEVILLE—Cookeville Roller Mills
COVINGTON—Covington Milling Co.
CROSS PLAINS—Durrett & Spain
DANDRIDGE—Hill W. C.
Walker John
DANVILLE—Grafried W. F.
DAYTON—Dayton Milling Co.
DECHERD—Dechard Mill Co.
DIXON SPRINGS—Dixon Springs Milling Co.
DOVER—Cox W. H.
DOYLE—Doyle Roller Mills
DUKEDOM—Dukedom Roller Mill Co.
DYERSBURG—Forked Deer Milling Co.
EBENEZER—Atchley P. S.
ELIZABETHTON—Monarch Milling Co.
Watauga Flouring Mill
ENVILLE—Enville Mill & Gin Co.
ERIN—Boone J. M.
ESTILL SPRINGS—Goddard & Co.
FAYETTEVILLE—Fayetteville Milling Co.
FRANKLIN—Farr D.
FRIENDSVILLE — Friendsville Roller Mills
GEORGETOWN—White Oak Mountain Mill Co.
GLEASON—Whitworth R. J.
GORDONSVILLE—Gordonsville Milling Co.
GREENFIELD—Ward J. H. & Co.
HARRIMAN—Harriman Milling Co.
HARTSVILLE—Hartsville Milling Co.
HENDERSONVILLE—Dorris E. A. & Sons
HENNING—Turner E. H.
HICKMAN—Hickman Milling Co.
HILLSBORO—Justice J. H.
HILLSDALE—Eller A. J.
HOLLOW ROCK—Hollow Rock Roller Mill
HORNBEAK—Hornbeak Milling Co.
HUNTINGDON—Dill John B.
JACKSON—McCabe E. R. & Co.
JEFFERSON CITY—Peck Mill & Grain Co.
JOHNSON CITY—Model Mill Co.
KNOXVILLE—Peters & Bradley Milling Co., N. Broadway
Smith J. Allen & Co., cor. Depot & Cen.
LA FOLLETTE—Ausmus W. M. Co.
LASCASSAS—Brown E. G.
LAWRENCEBURG — Lawrenceburg Milling Co.
LEBANON—Cedar City Mills
LEWISBURG—Lewisburg Mill & Elevator Co.
LIMESTONE—Williams Bros.
LITTON—Hale J. H. & Son
LIVINGSTON—Livingston Roller Mill Co.
LONE MOUNTAIN—Lone Mountain Milling Co.
LOUDON—Newport Mill Co.
Roberson John W. & Co.
LYNCHBURG—Locke R. A.
McKENZIE—McKenzie Milling Co.
McMINNVILLE—Walling's Jesse Mills
MADISONVILLE—Madisonville Flouring Mills
MARTIN—Stafford Milling Co.
MEMPHIS—Davis & Andrews Co., U. & P. Bank bldg
Yates & Donelson Co.
MERCER—Rainey T. C. & Sons
MILAN—Fuqua J. J.
MILLIGAN COLLEGE—Hendrix J. A.
MULBERRY—Farrar R. L.
NASHVILLE—Ford Flour Co., 10th av N.
Liberty Mills, Bass
Nashville Roller Mills, 101 Taylor
Riverside Mills, 101 N. 1st
Royal Milling Co., 145 N. 1st av
NEWBERN—Grisham C. S. & Co.
NEWPORT—Newport Mill Co.
NEW TAZEWELL—Myers & Davis
OBION—Obion Mill & Elevator Co.
OLIVER SPRINGS—Diggs S.
PARIS—Paris Milling Co.
PORTLAND—Portland Milling Co.
PULASKI—Pulaski Roller Mills
READYVILLE—Hayes & McFerrin
ROCKWOOD — Davidson-East-Molyneaux Co.
ROGERSVILLE—McDonald J. W. & Son
Rogersville Mill Co.
RUTHERFORD—Nethercott R.
SHELBYVILLE—Kingston J. B. & Co.
Riverside Mill Co.
SMYRNA—Davis Bros.
SPARTA—Mayberry Q. B. & Son
Sparta Mill Co.
SPRING CITY—Spring City Mill Co.
SPRINGFIELD—England Bros.
Ogburn Samuel D.
STRAWBERRY PLAINS—Straw Plains Milling Co.
SWEETWATER—Eagle Flouring Mill Co.
TALBOTT—Acme Milling Co.
TRENTON—Forked Deer Mfg. Co.
TROY—Troy Roller Mills
TULLAHOMA—Middle Tennessee Milling Co.
UNION CITY—Dahnke-Walker Milling Co.
VIOLA—Viola Milling Co.
VONORE—Vonore Flouring Mills
WASHBURN—Cameron Joe T.
WATAUGA—St. John J. T.
WATERTOWN—Watertown Milling Co.
WILLETTE—Highland Mill Co.
WILLISTON—Walker I. J.
WILLOW GROVE—Willow Grove Milling Co.
WINCHESTER—Winchester Milling Co.
WOODBURY—Blanks J. C.

TEXAS.

ALICE—Citizens Mill & Gin Co.
ANDERSON—Becker Emil
BLUM—Blum Roller Mills
BROWNWOOD—Austin Mill & Grain Co.
BYERS—Erwin J. M.
CENTERPOINT—Centerpoint Roller Mill Co.
COMFORT—Flach Ernest
DALLAS—Stanard-Tilton Milling Co.
DECATUR—Lillard Milling Co.
DENTON—Alliance Milling Co.
Denton Milling Co.
DUBLIN—Dublin Mill & Elevator Co.
EAGLE LAKE—Stoermer G. A.
EAST BERNARD—Koym H. W.

EL PASO—El Paso Grain & Milling Co.
Globe Grain Milling Co.
FARMERSVILLE—Farmersville Mill & Light Co.
FORT WORTH—Bewley Mills
Burrus Mill & Elevator Co.
GALVESTON—Anchor Milling Co.
Texas Star Flour Mills
GAYHILL—Krause F. A.
GLEN ROSE—Price A. J. & Son
GRAHAM—Graham Mill & Elevator Co
GREENVILLE—Greenville Mill & Elevator Co.
HAMILTON—Weiser H. M.
HONDO—Hondo Gin & Milling Co.
ITASCA—Itasca Roller Mills & Elevator Co.
JACKSBORO—Jacksboro Mill & Elevator Co.
JUSTIN—Justin Mill & Elevator Co.
KILGORE—Choice J. I.
McKINNEY—Collin County Mill & Elevator Co.
MARSHALL—Marshall Mill & Elevator Co.
MERIDIAN—Meridian Mill Co.
MEXIA—Wallace W. H.
MUNDAY—Munday Mill & Elevator Co.
NECESSITY—Andrews W. A. & Son
NEW BRAUNFELS—Dittlinger H. Roller Mills Co.
PARIS—Paris Milling Co.
PILOT POINT—Pilot Point Roller Mill Co.
PRAIRIEVILLE—Prairieville Gin & Mill Co.
RHOME—Rhome Milling Co.
SAN ANTONIO—Guenther C. H. & Son
SANGER—Sanger Mill & Elevator Co.
SEGUIN—Seguin Milling & Power Co.
SHERMAN—Chapman Milling Co.
Diamond Mill Co.
Smith G. B. R. Milling Co.
STAMFORD—Stamford Mill & Elevator Co.
TAYLOR—Taylor Milling Co.
TEMPLE—Willig Bros.
TERRELL—Terrell Milling Co.
THORNTON—McLelland John C.
TROUP—Rucker J. B. & Son
UVALDE—Uvalde Gin & Milling Co.
VAN ALSTYNE—Van Alstyne Roller Mills
VERNON—Kell Milling Co.
WACO—Waco Mill & Elevator Co.
WAXAHACHIE—Modern Milling & Mfg Co.
WEATHERFORD—Crystal Palace Flouring Mills Co.
WHITEWRIGHT—Beatrice Milling Co.

UTAH.

LAYTON—Layton Milling & Elevator Co.
LOGAN—Thatcher Milling & Elevator Co.
OGDEN—Globe Grain Milling Co.
Sperry Flour Co.

VERMONT.

BURLINGTON—Burlington Flouring Co

VIRGINIA.

ABINGDON—Abingdon Milling Co.
Vance R. B.
ALDIE—Douglass J. E. & Son
APPOMATTOX—Smith L. E. & Bros.
ASHLAND—Newman E. W.
ATKINS—Musser D. B.
BENTONVILLE—Bentonville Milling Co.
BLAND—Mustard Bros.
BRIDGEWATER—Natural Falls Milling Co.
BROADFORD—Roberts J. S. & Co.
BROAD RUN—Furr & Kerr
BURKES GARDEN—Burkes Garden Mills
CAMBRIA—Rigby James & Son
CEDAR BLUFF—Cedar Bluff Roller Mills
CEDAR SPRINGS—Keesling & Son
CHAMPE—Baskerville & Jones
CHARLOTTSVILLE—Brown Milling Co.
Lovegrove Milling & Feed Co., Inc.
CHATHAM—Moses F. L. & Bro.
CHILDRESS—Childress Mills
CHILHOWIE—Chilhowie Milling Co.
CLIFTON FORGE—Clifton Forge Milling & Feed Co., Inc.
COVINGTON—Alleghany Milling Co.
McAllister & Bell, Inc.
CREWE—Crewe Roller Mills
CRIMORA—Harman & de Rundeau
CROCKETT—Groseclose J. C.
DANVILLE—Dan Valley Mills
DEARBORN—Baldock & Co.
DELAPLANE—Delaplane C. L. & Co.
DRAPERS—Rex Milling Co.
DUBLIN—Dublin Roller Mills
EDINBURG—Edinburg Milling Co.
Fadeley Harrison
ESSEX MILL—Hoskins & Hundley
FALLS MILLS—Harry I. H.
FARMVILLE—Farmville Mills, Inc.
FINCASTLE—Howell R. M.
FISHER'S HILL—Keller John H.
FORT DEFIANCE—Knightley Milling Co.
FREDERICKSBURG—Germania Mills, Inc.
GAINESBORO—De Haven B. F.
GATE CITY—Jayn W. T.
Johnson Bros.
GILMORES MILLS—Chiles E. N. & Co.
GLADE SPRING—De Busk John
GLADYS—Marshall James G.
GLOUCESTER—Weaver Ira B.
HARRISONBURG—Harrisonburg Milling Co.
Mutual Milling & Supply Co., Inc.
HEBRON—Fisher & Stables
HORNERS—Coates F. C.
HOUSTON—Banister Mills
Yates J. A.
HYACINTH—Northern L. B.
INDEPENDENCE—Independence Electric & Milling Co.
KILMARNOCK—Lancaster Roller Mills
LAWRENCEVILLE—Lawrenceville Mill & Ice Corp.
LEXINGTON—Lee S. A.
LIVELY—Norris Robert O.
LOWESVILLE—Woodson J. B.
LURAY—Brumback F. C. & Son
Page Milling Co.
LYNCHBURG—Lynchburg Milling Co.
Piedmont Mills, Inc.
LYNNWOOD—Coiner Milling Co.
MARION—Staley H. B. Co.
MARTINSVILLE—Aaron Bros.
MENDOTA—Barker Frank M.
MIDDLETOWN—Middletown Milling Co.
MINERAL—Mineral Milling Co., Inc.
MOSSY CREEK—Augusta Milling & Mercantile Co.
NARROWS—Narrows Milling Co., Inc.
NELLYFORD—Witt S. W. & J. W.
NEW CASTLE—Craig Mills
NEW MARKET—Manor J. D. & Co.
Stultz C. M.
NORTH RIVER—Crawn Bros.
NORTH TAZEWELL—Star Milling Co.
PETERSBURG—Munt H. F.
Virginia Consolidated Milling Co., Inc.
PORT REPUBLIC—Port Republic Milling Co.
PULASKI—Pulaski Mills
PURCELLVILLE—Loudoun Valley Milling Co.
RAPIDAN—Holladay Henry T. Jr.
RICHMOND — Dunlop Mills (Warner, Moore & Co.)
Manchester Mills, Inc.
ROANOKE—Howery-Taylor Milling Co., Inc.
Huff & Cook
Lindsey, Robinson & Co.
SALEM—Shank Milling Co.
SCOTTSVILLE—Scottsville Flour Mills.
SLATE RIVER MILLS—Slate River Milling Co.
SNOWVILLE—Snowville Milling Co.
SOUTH BOSTON—Boston Milling Co.
STANDARDSVILLE—Jarrell Bros.
STAUNTON—Brand William F.
White Star Mills
STEELES TAVERN—Midway Milling Co.
STEPHENS CITY—Stephens City Milling Co.
STONE MOUNTAIN—Morgan John T. & Son
STRASBURG—Strasburg Steam Flouring Mills
SUFFOLK—Virginia Mills, Inc.
TOSHES—Giles, Son & Hubbard
Lee Milling Co.
TREE—Farmers' Milling Co.
WALKERTON—Mitchell A.fi
Walkerton Milling Co.
WALLACE—Phillips & Dickenson
WARM SPRINGS—Agner D. B.
Miller W. H. & Son
WARRENTON—Warrenton Flour Mills
WAYNESBORO—Coiner J. N.
Palmer Edward
Waynesboro Milling Co.
WEYER'S CAVE—Rockland Milling Co.
WOODSTOCK—French William S.
WYTHEVILLE—Browning S. W.
Dix Bros.
Monarch Milling Co.

WASHINGTON.

CHENEY—Martin F. M. Grain & Milling Co.
CRESTON—Creston Milling Co.
Sperry Flour Co.
DAVENPORT—Big Bend Milling Co.
ELLENSBURG—Tjossem R. P. & Son
EVERETT—Everett Flour Mill Co.
HARTLINE—Hartline Mill & Elevator Co
PROSSER—Taylor & Kemp
RITZVILLE—Ritzville Flouring Mills
SEATTLE—Albers Bros. Milling Co., ft. Massachusetts
Centennial Mill Co., Central bldg
Fisher Flouring Mills Co., Harbor Island
Lilly Chas. H. Co., 1647 W Hanford
SPOKANE—Sperry Flour Co., E. 1211 Sprague
TACOMA—Dennett Milling Co., 2926 S Ainsworth
Puget Sound Flouring Mills Co.
Sperry Flour Co., Water Front
Tacoma Grain Co.
VANCOUVER—Vancouver Flour Mills Co.
WAITSBURG—Preston-Shaffer Milling Co.
WENATCHEE—Wenatchee Milling Co.

WEST VIRGINIA.

ALASKA—Long P. Beauregard
ALDERSON—Greenbrier Milling Co
AUGUSTA—Augusta Milling Co.
BOAZ—Boaz Milling Co.
BRUCETON MILLS—Bruceton Milling Co.
BUCKHANNON—Star Milling Co.
BUNKERHILL—Cline Samuel S.
CAIRO—Cairo Milling Co.
CAMERON—Hagans & Isleman
Watson Bros. & Co.
CEREDO—Evick Thomas A.
CHARLESTON—Charleston Milling & Produce Co.
COTTAGEVILLE—Cottageville Milling Co
ELIZABETH—Winland W. V.
ELK GARDEN—Oates Isaac E. & Son
ELKINS—Grove Feed & Storage Co.
ELM GROVE—Elm Grove Milling Co.
FAIRMONT—Fairmont Feed & Storage Co.
Fairmont Grain & Milling Co.
Fleming Arch
FLEMINGTON—Flemington Mill Co.
FRANKLIN—Byrd D. M.
GLEN EASTON—Harris's J. M. Sons
GORMANIA—Duling Henry L.
GRAFTON—Exchange Mill Co.
Musgrove N. C.
GRIFFITHSVILLE—Carper J. L.
HINTON—Hinton Milling Co.
HUNDRED—Hundred Milling Co.
HUNTINGTON—Gwinn Bros. & Co.
IUKA—Stamm Jacob
KEYSER—Potomac Milling & Ice Co
LEETOWN—Gardner Bros.
LEVELS—Synder M. L. & Sons
LOUDENVILLE—Watson Bros. & Co.
MANNINGTON—Boor & Davis
MARQUESS—Bolyard Nelson
MARTINSBURG—Parks Alexander
MASONTOWN—Street F. L.
MATHIAS—Mathias P. S. & Co.
Stultz Ben F.
MILL CREEK—Rosencrance, Clay C.
MILTON—Harshbarger Milling Co.
MOOREFIELD—Hardy County Milling Co.
Wilson D. L.
MORGANTOWN—Tenant A. W.
Victor Mills Co.
MOUNDSVILLE—Martin Arch T.
NEW HAVEN—New Haven Midget Milling Co.
NICKELLS MILLS—Nickells C. C.
NORTH MOUNTAIN—Independent Roller Milling Co.
Peerless Milling Co.
READER—Burgess M. W. & J. G.
REEDY—Reedy Mill Co.
ROMNEY—Farmers' Exchange
RONCEVERTE—Miller J. M.
RUDDLE—Byrd Arlie C. & Co.
SAINT ALBANS—Nunberger Jos.
SAINT MARYS—Saint Mary's Milling Co.
SHEPARDSTOWN—Whiting Milling Co.
SHINNSTON—Lucas Bros.
SILVERTON—Suck Theodore
SPENCER—Farmers' Roller Mills
SUTTON—Sutton Grocer & Milling Co.
TANNER—Tanner Mill Co.
TERRA ALTA—Welch U. S.
TURTLE CREEK—Canterbury A. C.
WARDENSVILLE—McKeever A. Boyd
WESTON—Weston Milling Co.
WHITE SULPHUR SPRINGS—Mountain Milling Co.
WILLIAMSPORT—Cassady D. L. & Bro.

WISCONSIN.

BLACK RIVER FALLS—Charter Oak Milling Co.
BLOOMER—Bloomer Mill Co.
CHIPPEWA FALLS—Consolidated Milling Elevator & Power Co.
GALESVILLE—Davis Mill Co.
GRAND RAPIDS—Grand Rapids Milling Co.
GRANTSBURG—Hickerson Roller Mill Co
GREEN BAY—Hess G. B. Co.
MARINETTE—Marinette Flour Mill Co.
MILWAUKEE—Krause C. A. Milling Co., 37 & Burnham
STEVENS POINT—Jackson Milling Co.
WATERTOWN—Globe Milling Co.
WAUSAU—Cereal Mills Co.

4902— Flour (Rye)

Alert Mills, Fountain City, Wis.
Arndt Bros., Sheboygan, Wis.
Bay State Milling Co., Winona, Minn.
Blair Milling Co., Atchison, Kans.
Blodgett Holmes Co., Janesville, Wis.
Boutwell Milling & Grain Co., Troy, N. Y
Commercial Milling Co., 203 Randolph, Detroit, Mich.
Coombs Wm. A. Milling Co., Coldwater, Mich.
Cox A. G., Osseo, Wis.
Crete Mills, Crete, Neb.
Dayton Milling Co., Towanda, Pa.
Dean Silas & Son, Oak Hill, N. Y.
Eagle Roller Mill Co., New Ulm, Minn.
Fremont Milling Co., Fremont, Neb.
Friedline Wm., Sipesville, Pa.
Gilbert & Nichols Co., Fulton, N. Y.
Harris Milling Co., Mt. Pleasant, Mich.
Heisel C., Est. of, Plattsmouth, Neb.
Kearney Flour Mills, Kearney, Neb.
Krueger & Lachmann Milling Co., Neenah, Wis.
Loberg Milling Co., Nelsonville, Wis.
Menomonie Milling Co., Menomonie, Wis.
Minneapolis Cereal Co., 1238 Jackson, Minneapolis, Minn.
New Ulm Feed & Cereal Mill Co., New Ulm, Minn.
North Branch Milling Co., North Branch, Minn.
Phoenix Milling Co., Sacramento, Cal.
Pillsbury Flour Mills Co., Metropolitan Life bldg, Minneapolis, Minn.
Saginaw Milling Co., Saginaw, Mich.
Smith Joseph & Co., Stockton, N. J.
Struve John, Lyons, Ia.
Van Wyck & Stringham, Fishkill Plains, N. Y.
Vorhis F. C., Brookton, N. Y.
Walker W. W Milling Co., Alden, Minn.
Wells-Abbott-Nieman Co., Schuyler, Neb.
Western Star Mill Co., Salina, Kans.
Willy & Co., Appleton, Wis.
Wright, Stillman & Co., Berlin, Wis.

4903— Flour (Tapioca)

Pauer Philip Co., 53 Park pl, New York
Leyland Thos. & Co., Readville, Boston, Mass.
Morningstar Chas. & Co. (Imp.), 650 W. 34th, New York

(Continued on following page)

Flour (Tapioca)—Continued

Stein Hall & Co. Inc., 61 B'way, New York
Tanner Chas S. Co., 250 So Water, Providence, R. I.

4904-5— Flour (Wheat)

Ansted & Burk Co., Springfield, O.
Arndt Bros., Sheboygan, Wis.
Atlanta Milling Co., Atlanta, Ga.
Baldwin Dwight M., Jr., 2219 Pillsbury av, Minneapolis, Minn.
Ballard & Ballard Co., Louisville, Ky.
Bay State Milling Co., Winona, Minn.
Big Diamond Mills Co., 922 Flour Exch., Minneapolis, Minn.
Blish Milling Co., Seymour, Ind.
Brickley F. M. & Co., Prairie du Rocher, Ill.
Capitol Milling Co., Los Angeles, Cal.
Cataract City Milling Co., Niagara Falls, N. Y.
Clyde Milling & Elevator Co., Clyde, Kans.
Commercial Milling Co. (Spring & Winter), 203 Randolph, Detroit, Mich.
City Mills Co., Columbus, Ga.
Coombs Wm. A. Milling Co., Coldwater, Mich.
Cox A. G., Osseo, Wis.
Crete Mills, Crete, Neb.
Denesia C. W., Evans Mills, N. Y.
Eagle Roller Mill Co., New Ulm, Minn.
Elevator Roller Mills, Co., Columbus, Neb.
Esche-Nelson Milling Co., Manawa, Wis.
Fall Creek Milling Co., Ithaca, N. Y.
Fergus Flour Mills Co., Fergus Falls, Minn.
Fremont Milling Co., Fremont, Neb.
Gambrill C. A. Mfg. Co., 104 Commerce, Baltimore, Md.
Globe Grain & Milling Co., Los Angeles, Cal.
Halliday H. L. Milling Co., Cairo, Ill.
Halstead Milling & Elevator Co., Halstead, Kan.
Hannah & Lay Co., Traverse City, Mich.
Harris Milling Co., Mt. Pleasant, Mich.
Hayden Wm. Milling Co., Tecumseh, Mich.
Holley Milling Co., Ogden, Utah
Hungarian Flour Mills, 1447 7th, Denver, Colo.
International Milling Co., New Prague, Minn.
Johnson Educator Food Co. (Entire), 100 Sidney, Cambridge, Mass.
Kansas Milling Co., Wichita, Kans.
Kern J. B. A. & Sons, Milwaukee, Wis.
Kimball Milling Co., Shwanee & Valley, Kansas City, Mo.
Krueger & Lachmann Milling Co., Neenah, Wis.
La Grange Mills, Red Wing, Minn.
Lawrenceburg Roller Mills Co., Lawrenceburg, Ind.
Liken John C. & Co., Sebewaing, Mich.
Listman Mill Co., La Crosse, Wis.
Loberg Milling Co., Nelsonville, Wis.
Mennel Milling Co. ("Doughboy", "Mainspring", "A No. 1"), Toledo, O.
Michigan Milling Co., Ann Arbor, Mich.
National Milling Co., Toledo, O.
New Ulm Roller Mill Co., New Ulm, Minn.
North Branch Milling Co., North Branch, Minn.
Norton Willis & Co., Topeka, Kans.
Holley Milling Co., Ogden, Utah
Perry Mill Co., Perry, Okla.
Piloid Milling Co., Swanton, O.
Pillsbury Flour Mills Co., 3d fl Met. Life bldg, Minneapolis, Minn.
Pinckneyville Milling Co., Pinckneyville, Ill.
Portland Flour Mills Co., E. 2d & Washington, Portland, Ore.
Red Wing Milling Co., Red Wing, Minn.
Russell Miller Milling Co. ("Occident"), Valley City, N. D.
Saginaw Milling Co., Saginaw, Mich.
Saxony Mills, 321 Lombard, St. Louis, Mo.
Schultz, Baujan & Co., Beardstown, Ill.
Sedalia Milling Co., Sedalia, Mo.
Sheffield-King Milling Co., 3d fl Cham. Com., Minneapolis, Minn.
Snell Mill & Grain Co. (Hard Winter), Clay Center, Kans.
Sparks Milling Co., Alton, Ill.
Sperry Flour Co., San Francisco, Cal.
Superior Milling Co., Superior, Neb.
Tennant & Hoyt Co., Lake City, Minn.
Thoman F. Milling Co., Lansing, Mich.
Thompson Milling Co., Lockport, N. Y.
Tiger Shoals Milling Co., Wellford, S. C.
Valley City Milling Co., Grand Rapids, Mich.
Voigt Milling Co., Grand Rapids, Mich.
Washburn-Crosby Co., Cham. Comm., Minneapolis, Minn.
Waterloo & Cedar Falls Union Mill Co., Cedar Falls, Ia.
Wells-Abbott-Nieman Co., Schuyler, Neb.
Willshire Milling Co., Willshire, O.
Willy & Co., Appleton, Wis.

Flour (Wood)

See Wood Flour

4906— Flues (Smoke)

Alberne Stone Co., 153 W. 23d, New York
CONNERY & CO., INC., 4000 N. 2nd, Philadelphia, Pa.
See adv index at end of book
Daly M. J. & Sons, Waterbury, Conn.
DOVER BOILER WORKS, Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Gunning Boiler & Machine Co., New Bedford, Mass.
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Lasker & Minck, 53 Park pl, New York
Nelson N. P. Iron Works, 212 40th, Brooklyn, N. Y.
New York Central Iron Wks. Co., Inc. (Chimney), Dept. H, Hagerstown, Md.
Pittsburgh-Des Moines Steel Co. (also Chimney), 804 Curry bldg, Pittsburgh, Pa. *See adv index at end of book*
Rust Engng. Co., 504 Dist. Nat'l Bk. bldg, Washington, D. C.
Scannel Boiler Wks., Lowell, Mass.
Vulcan Sheet Metal & Mfg. Co., 45 Fulton, New York

4907— Flumes (Iron)

California Corrugated Culvert Co. ("Armco," "Calco"), Berkeley & Los Angeles, Cal.
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Coast Culvert & Flume Co., Dept. H, Col. blvd & Derby, Portland, Ore.
Dow L. B. Inc., Keene, N. H.
DOVER BOILER WORKS (Also Steel), Sales Office: 40 Church, New York. Works: Dover, N. J.
See adv index at end of book
Fitz Water Wheel Co., Hanover, Pa.
Graver Corp., 4020 Todd av, E. Chicago, Ind. *See adv index at end of book*
Hardesty Mfg. Co. ("Hess," "Armco," Metal & Corrugated Steel), 3063 Blake, Denver, Colo.
Harry Bros. Co. ("Harry's," Corrugated & "K-D," Galvanized), Carr av & I. C. R. R., New Orleans, La.
Horton Steel Works, Ltd., 118 Janet st, Bridgeburg, Ont., Can.
Hunt Rodney Machine Co., Orange, Mass.
Klauer Mfg. Co. (Galvanized), Dubuque, Iowa
Mitchell-Tappen Co. (& Steel), 15 John, New York
Nebraska Culvert & Mfg. Co., Wahoo, Neb.
Pittsburgh-Des Moines Steel Co. (Iron & Steel), 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
Spokane Culvert & Tank Co., Spokane, Wash.
Traylor Engng. & Mfg. Co., Allentown, Pa.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

4908— Flumes (Wood)

AMERICAN WOOD PIPE CO., Tacoma, Wash.
Cascade Pipe & Flume Co., 2839 W Florida, Seattle, Wash.
Continental Pipe Mfg. Co., 4519 14th av N. W., Seattle, Wash.
Dow L. B. Inc., Keene, N. H.
Federal Pipe & Tank Co., 5332 24th av, N W, Seattle, Wash.
Pacific Tank & Pipe Co., 20 Market, San Francisco, Cal.
Stevens Tank & Tower Co., Auburn, Me.

4909— Fluorspar

American Trading Co., 25 Broad, New York
Basic Mineral Co., Box 276 N S, Pittsburgh, Pa.
Binswanger H. P., 7 W 16th, New York
Crocker Bros. (Importers), 21 E 40th, New York
Drakenfeld B. F. & Co., Inc. (Grinders Equivalent to Nfrs.), 50 Murray, New York
Fairview Fluorspar & Lead Co., Rosiclare, Ill.
FOOTE MINERAL CO., 109 N 19th, Phila., Pa.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Heyward Thos. R. Co., Farmers Bank bldg, Pittsburgh, Pa.
Hillside Fluor Spar Mines, 38 S Dearborn, Chicago, Ill.
Iron Trade Products Co. (Ground, Lump & Washed Gravel), Farmers' Bank bldg, Pittsburgh, Pa.
Kentucky Fluor Spar Co. (Ground), Marion, Ky.
Lavino E. J. & Co. (Importers), Bullitt bldg, Phila., Pa.
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
National Sales & Trading Co., The, Cleveland, Ohio
Naylor & Co. (Dirs.), 120 Broadway, New York
New England Quartz Co. of N. Y., 150 Nassau, New York
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book
Rogers-Brown & Co. (Jobbers), 77-78 Carew bldg, Cincinnati, O.
Rosiclare Lead & Fluorspar Mines, Rosiclare, Ill.
Salomon L. A. & Bro., 216 Pearl, New York
Shimer & Co., Inc., Bullitt bldg, Phila., Pa.
Tennant C. Sons & Co. of N. Y. (Importers), 19 W. 44th, New York
Vitro Manfg. Co., H, Bessemer bldg, Pittsburgh, Pa.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

4910— Fluorspar (Radio)

FOOTE MINERAL CO., 109 N. 19th, Philadelphia, Pa.
See adv index at end of book

4911-12—Flux (Blast Furnace)

Bessemer Limestone Co. (Limestone), Youngstown, O.
Dolomite Products Co. (Limestone), 111 Euclid av, Cleveland, O.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Ohio Marble Co. (Limestone), Piqua, O.

4913—Flux (Brazing & Welding)

Allen L. B. Co., Inc., 4519 N Lincoln, Chicago, Ill.
Aluminum Company of America (Calaminum), 2301 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book
American Alloys Co. (Aluminum, also Melting "American Flux"), American bldg, Baltimore, Md.
Carbic Mfg. Co. (Carbic Welding), Duluth, Minn.
Cortland Welding Compound Co. (Oxy-Acetylene Welding), Cortland, N. Y.
Economy Welding Machine Co. (Aluminum, Brass, Copper & Bronze "Economy Brand," "Dicksteph Cast Iron Brand"), Kansas City, Mo.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Metalweld Service Corp. ("Metalweld"), 2617 Hunting pk, Philadelphia, Pa.
Modern Engng. Co. (Welding), 3411 Pina, St. Louis, Mo.
Northwest Welding & Supply Co. ("Norweld"), 88 1st, Portland, Ore.
OXWELD ACETYLENE CO., Welding, 30 E. 42nd, New York
See adv index at end of book
ROTAX CO. (Rotax Brazine Flux), 171 Broadway, New York, and 24 Bathgate pl, Newark, N. J.
Welding Materials Co., 116 Liberty, New York

4914— Flux (Foundry)

American Alloys Co. (For Brass & Copper), American bldg, Baltimore, Md.
Am. Boron Products Co. ("Boron"), Cherry & Carpenter, Reading, Pa.
Basic Mineral Co. ("Keystone," Thermo & "Radio Clarite," "Ferro Clarite," "Pearlite"), Box 276 N S, Pittsburgh, Pa.
Bessemer Limestone Co. (Limestone), Youngstown, O.
Buckeye Products Co., Inc. ("Buckeye" Brass & Aluminum), 915-917 W 5th, Cincinnati, Ohio
See adv index at end of book
Foundry Specialty Co., 504 Edwards bldg, Cincinnati, O.
Hillside Fluor Spar Mines ("Fluorcite"), 38 S. Dearborn, Chicago, Ill.
New Era Mfg. Co., Kalamazoo, Mich.

Flux (Soldering)

See Soldering Paste, Salts & Stick

4914a— Flux (Tinning)

Grasselli Chem. Co., Guardian bldg., Cleveland, O.
Hachmeister-Lind-Chem. Co., Pittsburgh, Pa.

4915— Fly Nets

Altland Alfred D., Dillsburg, Pa.
Brougher W. D. Net Co., Wellsville, Pa.
Chase L. C. & Co., 89 Franklin, Boston, Mass.
Diamond Whip Co. (Leather), 406 N Curtis, Chicago, Ill.
Gem Hammock & Fly Net Co., 326 Florida, Milwaukee, Wis.
Given R. & Son Co. (For Horses), Sidney, Ohio
Hardenbergh P. R. L. & Co. (Leather, etc), 237 E 8th, St. Paul, Minn.
Harley J. S. (Cotton Horse), Quakertown, Pa.
Hess & Hopkins Leather Co., Rockford, Ill.
Scheffer & Rossum Co., 104 E 10th, St. Paul, Minn.
Wellsville Mfg. Co., Wellsville, Pa.

Fly Screens

See Screens, Window, Metal Frame; also Screens, Window & Door; also Screens, Wire, Rustless

4916— Foil (Aluminum)

ALUMINUM COMPANY OF AMERICA, 2301 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book
Kemp W. H. Co., 165 Spring, New York

4916a—*Foil (Solder & Tin)

GARDINER METAL CO., 1364 W Lake, Chicago

4917— Foils (Fencing)

Spalding A. G. & Bros. (Importers), 105 Nassau, New York

4917a—Folders (Letter Filing)

Globe-Wernicke Co. The, 25 Carthage av, Cincinnati, O.
See adv index at end of book

WEIS MFG. CO. THE, Monroe, Mich.
See adv index at end of book

4917b—*Folders (Sheet Metal)

NIAGARA MACHINE & TOOL CO., Buffalo, N. Y.
See adv index at end of book

4917c—Food Colors (Certified)

National Aniline & Chem. Co., Inc., 21 Burling Slip, New York

4918—Foods (Animal & Poultry)

Animal Food Co. ("An-Fo"), 3129 Elmwood av, Oakland, Cal.
Baugh & Sons Co. (Poultry), 20 S Delaware av, Phila., Pa.
Consolidated Rendering Co. ("The-eggs-pay-for-it" brand), 40 N Market, Boston, Mass.
Kingham & Co. (Hog), Maryland & Blackford, Indianapolis, Ind.
Lactein Food Co. ("Lactein" Concentrated Buttermilk), Modesto, Cal.
Mica Crystal Co. (Grit), Warren, N. H.
Pacific Coast Beef & Provision Co., Los Angeles, Cal.
Peterson Tallow Co. (Meat Scrap), Emeryville, Cal.
Rogers A. Co., Aurora, Ill.
Wilson & Co., Union Stock Yards, Chicago, Ill.

4919—Foods (Cereal, Prepared, Etc.)

See also Oatmeal

Albers Bros. Milling Co., ft Massachusetts, Seattle, Wash.
American Cereal Coffee Co., 319 W. Chicago av, Chicago, Ill.
Ashby & Sons, Leavenworth, Kans.
Better Way Products Co., San Diego, Cal.
Biltmore Wheat Hearts Co., Asheville, N.C.
Canadian-American Cereal Products Co., Produce Exchange, New York
Chicago Concentrated Food Co., Inc., 3059 Sheffield av, Chicago, Ill.
Cream of Wheat Co., 5th & 1st av, N Minneapolis, Minn.
Dimond Milling Co., Keokuk, Ia.
Evans Milling Co., W. Michigan & Belt, Indianapolis, Ind.
Excelsior Cereal Milling Co., 726 Santa Fe av, Los Angeles, Cal.
Farwell & Rhines, Watertown, N. Y.
Franklin Mills Co., Batavia, N. Y.
Fruen Cereal Co., Western av, S W cor Thomas av, N Minneapolis, Minn.
Gift J. W. & Co., Peoria, Ill.
Golden Elevator & Mill Co., Golden, Ill.
H-O Company, Buffalo, N. Y.
Hecker-Jones-Jewell, Milling Co., 40 Corlears, New York
Horlick's Malted Milk Co., Racine, Wis.
Johnson Educator Food Co., Cracker, Sugar Wafers, Trangluten Flour, 100 Sidney, Cambridge, Mass.
Kaufman Ben. & Sons, 190 Stanton, New York
Kaufman Jos., 148 Ludlow, New York
Kaufman Milling Co., 148 Ludlow, New York
Kellogg Food Co., Battle Creek, Mich.
Kellogg Toasted Corn Flake Co., Battle Creek, Mich.
Keystone Flour Co., Bourse, Phila., Pa.
King Cereal & Mfg. Co., 559 West Rand, Chicago, Ill.
Lehi Cereal Co. (Health Foods), Lehi, Utah
Mellin's Food Co., 117 State, Boston, Mass.
Michigan Tea Rusk Co., Holland, Mich.
Murdock Liquid Food Co., 80 Boylston, Boston, Mass.
Oakdale Baking Co., 10th & Susquehanna av, Phila., Pa.
Pacific Milling Co., 74 Langton, San Francisco, Cal.
Patent Cereals Co., Geneva, N. Y.
Phospho Food Co., Los Angeles, Cal.
Pillsbury Flour Mills Co., Metropolitan Life bldg, Minneapolis, Minn.
Plymouth Milling Co., Le Mars, Ia.
Postum Cereal Co., Ltd., Battle Creek, Mich.
Puget Sound Flouring Mills Co., Tacoma, Wash
Pure Gluten Food Co., 90 W B'way, New York
Quaker Oats Co., 80 E Jackson blvd, Chicago, Ill.
Ridges Food Co. ("Ridge"), 20 Yeoman, Boston, Mass.
Shredded Wheat Co., Dept. H, Niagara Falls, N. Y.
South Side Cereal Mills, Fort Wayne, Ind.
Standard Flaked Food Co., Owosso, Mich.
Sun Milling Co., Oakland, Cal.
Thompson Milling Co., Lockport, N. Y.
United Cereal Mills, Quincy, Ill.
U. S. Cereal Co., Upper Sandusky, O.
Voigt Milling Co., Grand Rapids, Mich.
Waseca Milling Co., Waseca, Minn.
Wheatena Company, Rahway, N. J.
Woods J. S., Fredericksburg, Va.

4920—Foot Rests for Automobiles

Fiat Metal Mfg. Co., 223 W Huron, Chicago, Ill.
Highton Wm. & Sons Co., Nashua, N. H.
Novelty Mfg. Co., Waterbury, Conn.
Republic Auto Parts Co. (For Ford Cars), 81 10th, Long Island City, N. Y.
Western Brass Mfg. Wks. ("At Ease"), Marshall blvd. & 21st, Chicago, Ill.

4921— Foot Rests (Radiator)

Beaton & Cadwell Mfg. Co. (Adjustable), New Britain, Conn.
Central Supply Co. ("Ovendens"), Worcester, Mass.
Jennison Co. (" Jennison," Adjustable), Fitchburg, Mass.

4922—Foot Rests (Shoe Blacking)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Columbus Brass Co., 538 Columbus av, Columbus, O.
See adv index at end of book
Fate-Root-Heath Co., Plymouth, O.
See adv index at end of book
Grey Iron Casting Co., Mt. Joy, Pa.
Kupferle Jno. C. Foundry Co. ("Eclipse"), 1st & Wright, St. Louis, Mo.
Sacks Louis, Inc. ("Star"), Wilson av, Newark, N. J.
Wrightsville Hardware Co., Wrightsville, Pa.

4923—Foot Warmers (Electric)

Hotpoint Electric Heating Co. ("El Warmo"), Los Angeles, Cal.
International Elec. Co., Indianapolis, Ind.

4923a1—Footwarmers (Soapstone)

Alberene Stone Co., 153 W. 23rd, New York
Old Dominion Soapstone Co., 71 Murray, New York
Phoenix Soapstone Co., 71 Murray, New York
Pike Mfg. Co., Pike, N. H.
Union Soapstone Co., 14 Marshall, Boston, Mass.
Vermont Soapstone Co., Perkinsville, Vt.

4923a—*Forced Draft Apparatus

Engineer Co., 178 Battery pl, New York
Western Blower Co., 1300 9th av, S. Seattle, Wash.

4924— Forges (Blast)

Anthony Co. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Buffalo Forge Co. (Stationary & Portable), 490 Broadway, Buffalo, N. Y.
Champion Blower & Forge Co. ("Champion"), Lancaster, Pa.
Hauck Mfg. Co., 136 10th, Brooklyn, N. Y.
See adv index at end of book
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
New York Blower Co., Archer av & Canal, Chicago, Ill.; Works: Bucyrus, O.
Miner & Peck Mfg. Co., New Haven, Conn.
Rockwell W. S. Co., 50 Church, New York
See adv index at end of book
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.

Forges (Brazing)

See Furnaces, Brazing

4925—Forges for Brazing Irons

Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
Covel Mfg. Co., Benton Harbor, Mich.
Hauck Mfg. Co., 101 11th, Brooklyn N. Y.
Hoppes Mfg. Co. ("Hoppes" Oil), 19 Larch, Springfield, Ohio.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

4926—Forges for Drop Forging Plants

American Gas & Furnace Co. (Gas Blast), Spring & Lafayette, Elizabeth, N. J.
Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Rockwell W. S. Co., 50 Church, New York
See adv index at end of book

4927— Forges (Gas Blast)

American Gas & Furnace Co., Spring & Lafayette, Elizabeth, N. J.
Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
CHICAGO FLEXIBLE SHAFT CO. ("Stewart," Gas or Oil Blast), 1150 S Central av, Chicago, Ill.
See adv index at end of book
Combustion Utilities Corp., 8-10 Bridge, New York
Comstock A. S. (Automatic Power), Evanston, Ill.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Rockwell W. S. Co., 50 Church, New York
See adv index at end of book
Surface Combustion Co. The, 834 Gerard av, Bronx, New York
See adv index at end of book
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.
U. S. Gas Furnace Co., 46 Clifford, Providence, R. I.

4927a— Forges (Hammer)

Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
Carlson Forgings Co. (Steam), 733H Fulton, Chicago, Ill.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Rockwell W. S. Co., 50 Church, New York
See adv index at end of book

4928— Forges (Heating)

See also Furnaces

Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
Bradley C. C. & Son, Syracuse, N. Y.
Buffalo Forge Co., 490 Broadway, Buffalo, N. Y.
Canedy-Otto Mfg. Co. (Portable & Stationary), Chicago Heights, Ill.
CHICAGO FLEXIBLE SHAFT CO. ("Stewart," Crude Oil & Gas), 1150 S Central av, Chicago, Ill.
See adv index at end of book
Combustion Utilities Corp., 8-10 Bridge, New York
Evans' Jno. Sons (& Welding), 506 N 13th, Philadelphia, Pa.
Furness Bros. Co. (Portable), 1613 W Walnut, Chicago, Ill.
HAUCK MFG. CO., 136 10th, Brooklyn, N. Y. *See adv index at end of book*
Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
New York Blower Co., Archer av & Canal, Chicago, Ill. Works, Bucyrus, O.
Rockwell W. S. Co., 50 Church, New York
See adv index at end of book
SURFACE COMBUSTION CO. THE, 834 Gerard av, Bronx, New York
See adv index at end of book
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.

4929—Forges (Manual Training)

Oliver Machinery Co. ("Oliver"), Grand Rapids, Mich.
Smith A. F. Co., New Brighton, Pa.

4930— Forges (Oil, Portable)

Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
Best W. N., Inc., 11 B'way, New York
Denver Fire Clay Co. ("Case" Low Pressure), Denver, Colo.
HAUCK MFG. CO., 136 10th, Brooklyn, N. Y. *See adv index at end of book*
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Mirc's Fuel-Oil Equipment Co., Lancaster, Pa.
National Supply Co. ("Billow System), 412 Orleans, Chicago, Ill.
ROCKWELL W. S. CO. (& Stationary), 50 Church, New York
See adv index at end of book
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.

4931— Forges (Pneumatic)

Anthony Co. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Manitowoc Shipbuilding Co. ("Gunnell"), Manitowoc, Wis.
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.

4932— Forges (Portable)

ANTHONY CO. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
Beall Tool Co., East Alton, Ill.
Brown & Patterson, 33 Marcy av, Brooklyn, N. Y.
Buffalo Forge Co., 490 B'way, Buffalo, N. Y.
Canedy-Otto Mfg. Co. ("Western Chief" & "Royal"), Chicago Heights, Ill.
Champion Blower & Forge Co., Lancaster, Pa.
Chicago Scale Co., 7749 S Chicago av, Chicago, Ill.
Cleveland Steam Gauge Co. ("Watson"), 1108 W 9th, Cleveland, O.

(Continued on following page)

Forges (Portable)—Continued

Combustion Utilities Corp., 8-10 Bridge, New York
Fargo Foundry Co. (Farm), Fargo, N. D.
Furness Bros. Co., 1613 Walnut, Chicago, Ill.
Hauck Mfg. Co., 136 10th, Brooklyn, N. Y.
See adv index at end of book
Potts D. H. Co., Lancaster, Pa.
Rockwell W. S. Co., 50 Church, New York *See adv index at end of book*
Sturtevant B. F. Co. ("Sturtevant," Also Stationary), 15 Damon, Hyde Park, Boston, Mass.
Surface Combustion Co. The, 334 Gerard av, Bronx, New York
See adv index at end of book
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.

4932a—Forges for Railroad Shops

Anthony Co. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.
Hauck Mfg. Co., 136 10th, Brooklyn, N. Y.
See adv index at end of book
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Rockwell W. S. Co., 50 Church, New York
See adv index at end of book

4933—Forges (Rivet Heating)

Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
Best W. N., Inc., 11 B'way, New York
Buffalo Forge Co., 490 B'way, Buffalo, N. Y.
Champion Blower & Forge Co., Lancaster, Pa.
Combustion Utilities Corp., 8-10 Bridge, New York
Hauck Mfg. Co., 136 10th, Brooklyn, N. Y
See adv index at end of book

HAUCK TRADE MARK
FURNACES—RIVET HEATING Venturi Suction Forges, STATIONARY or on WHEELS. Fuel oil syphoned to the burner. No pressure on the oil—tank can be filled while forge is in operation. Send for bulletin 507.
HAUCK MANUFACTURING COMPANY
136 10th STREET BROOKLYN, N. Y.

Lovejoy Tool Works (Portable), 319 W Ohio, Chicago, Ill.
See adv index at end of book
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Mahr Mfg. Co. (Portable & Stationary Oil), 1300 N. E. Quincy, Minneapolis, Minn.
Manitowoc Shipbuilding Co., Manitowoc, Wis.
Obermayer S. Co. ("Esco" Facings, etc.), 2563 W. 18th, Chicago, Ill.
Rockwell W. S. Co. (Bolt & Rivet), 50 Church, New York
See adv index at end of book
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Surface Combustion Co. The, 334 Gerard av, Bronx, New York
See adv index at end of book
Tate-Jones & Co. (Portable & Stationary Oil Rivet Forges), Empire bldg, Pittsburgh, Pa.

Forges (Tuyere Iron)

See Heaters, Tuyere Iron

4933a1—Forges (Upsetting)

Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
Ketler-Elliott Erection Co. 115 N. Clark, Chicago, Ill.
Pennsylvania Forge Co., Bridesburg, Phila., Pa.
Rockwell W. S. Co., 50 Church, New York
See adv index at end of book

Forging Machines

See Machines, Forging

4933a—Forgings (Aeroplane Cylinders)

Am. Forging Co., Clifton, N. J.
CHAMPION MACHINE & FORGING CO., 3690 E 78th, Cleveland, O.
See adv index at end of book
Interstate Drop Forge Co., 27th, Milwaukee, Wis.
Modern Die & Drop Forge Co., H, 139th, Blue Island, Ill.
Moore Drop Forging Co., Springfield, Mass.
Tioga Steel & Iron Co., 52nd & Grays Phila., Pa.
Union Switch & Signal Co., Swissvale, Pa
Wharton Wm. Jr. & Co., Inc., Easton, Pa.

4934—Forgings (Alloy Steel)

Allegheny Forging Co., Keenan bldg., Pittsburgh, Pa.
Allis-Chalmers Mfg. Co. (& Open Hearth), Milwaukee, Wis.
See adv index at end of book
Am. Forging Co., Clifton, N. J.
AMERICAN HOLLOW BORING CO., 1055 W 19th, Erie, Pa.
Bay City Forge Co., 1320 Cranberry, Erie, Pa.
Bethlehem Steel Co., Bethlehem, Pa.
Blakeslee Forging Co., Plantsville, Conn.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
CANTON DROP FORGING & MFG. CO. (THE), Canton, Ohio
Commercial Drop Forge Co., Warren, O.
Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.
Davis Sewing Mach. Co., Dayton, O.
Duff Mfg. Co., Box 555, N. S., Pittsburgh, Pa.
See adv index at end of book
Duke Steel Co., Inc., 191 Pearl, New York
General Railway Signal Co., Dept. H. Rochester, N. Y.
INTERSTATE DROP FORGE CO., 2100 27th, Milwaukee, Wis.
Isaacson Iron Works, 2912 E Marginal Way, Seattle, Wash.
Johnston & Jennings Co., Addison rd & N. Y. C. R. R., Cleveland, O.
Laclede Steel Co., Arcade bldg., St. Louis, Forging Plant, East St. Louis, Mo.
Lebanon Drop Forging Co., Lebanon, Pa.
Ludlum Steel Co., Watervliet, N. Y.
Mesta Machine Co., Box 1124 Pittsburgh, Pa.
See adv index at end of book
Moore Drop Forging Co., Springfield, Mass
Morgan Engineering Co., Alliance, O.
National Forge & Tool Co., Irvine, Pa.
Pollack Steel Co., 386 W 71st Carthage, Cincinnati, Ohio
SCRANTON FORGING CO., 200 Green Ridge av, Scranton, Pa.
See adv index at end of book
Standard Forgings Co., 80H E Jackson, Chicago, Ill.
Tacony Steel Co., Franklin Bank bldg., Phila., Pa.
Union Switch & Signal Co., Swissvale, Pa.
Williams J. H. & Co., 400 Vulcan, Buffalo, N. Y.

4935— Forgings (Aluminum)

ALUMINUM COMPANY OF AMERICA, 2301 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book
Aluminum Mfrs., Inc. ("Lynite"), 2810 Harvard av, Cleveland, O.
Bethlehem Steel Co., Bethlehem, Pa.
Union Drop Forge Co., 358 W. Grand av, Chicago, Ill.
United States Aluminum Co., Oliver bldg, Pittsburgh, Pa.
Williams J. H. & Co., 400 Vulcan, Buffalo, N. Y.

4936— Forgings (Automatic Coupler)

Bethlehem Steel Co., Bethlehem, Pa.

4937— Forgings (Automobile)

See Forgings, Drop; also Forgings, Iron & Steel

Allegheny Forging Co., Keenan bldg., Pittsburgh, Pa.
American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
American Brake Co., 1932 N Broadway, St. Louis, Mo.
American Forge Works, 1428 13th, Denver, Col.
Ashtabula Bow Socket Co. (Automobile Bow Sockets), Ashtabula, O.
Atlas Drop Forge Co., Lansing, Mich.
Atwater Mfg. Co., Southington, Conn.
Baker Gun & Forging Co., Batavia, N. Y.
Barnett Drop Forging Co. (Crankshafts & All Auto Forgings), East Hampton, Mass.
Belden Machine Co., Tyron, New Haven, Conn.
Bethlehem Steel Co. (Of Special Grades of Steel), South Bethlehem, Pa.
Billings & Spencer Co., Hartford, Conn.
Blackeslee Forging Co., Plantsville, Conn.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Brennan Jno. & Co., Dept H, 24th & M. C. R. R., Detroit, Mich.
Brewer-Titchener Corp. (& Commercial "B. T. C."), Cortland, N. Y.
Briscoe Motor Corp., Jackson, Mich.
CANTON DROP FORGING & MFG. CO., THE, Canton, O.
Canton Forge & Axle Co., 2001 Dueber av, Canton, O.
CHAMPION MACHINE & FORGING CO., 3690 E 78th, Cleveland, O.
See adv index at end of book
Clapp E. D. Mfg. Co., 300 Genesee, Auburn, N. Y.
Clark J. L. Mfg. Co., Oshkosh, Wis.
Cleveland City Forge & Iron Co., Cleveland, O.
Cleveland Hardware Co., Lakeside av. & E 45th, Cleveland, O.
Columbus Bolt Works Co., Columbus, O.
Commercial Drop Forge Co., Warren, Pa.
Davis Sewing Machine Co., 130 S. Ludlow, Dayton, Ohio
Detroit Forging Co., 284 Mt. Elliot av, Detroit, Mich.
Driggs-Seabury Ordnance Co., Sharon, Pa.
Drop Forging Co. of N.Y., 301 West Side av, Jersey City, N. J.
Eagle Bolt & Forging Co., 1435 E 45th, Cleveland, O.
Eccles Richard Co., Auburn, N. Y.
Frost Gear & Forge Co. (Drop), Jackson, Mich.
Fulton Drop Forge Co., Canal Fulton, O.
General Drop Forge Co., 1738 Elmwood av, Buffalo, N. Y.
General Railway Signal Co., Rochester, N. Y.
Gill P. H. & Sons, 2 Lorraine, Brooklyn, N. Y.
Globe Malleable Iron & Steel Co., 101 Greenway av, Syracuse, N. Y.
Hayes Mfg. Co. (Iron), 480 Maybury, Detroit, Mich.
Henry & Allen, Auburn, N. Y.
Heppenstall Forge Co., Bridgeport, Conn.
Heppenstall Forge & Knife Co., 47th & Hatfield, Pittsburgh, Pa.
Herbrand Co., Fremont, O.
Indianapolis Drop Forging Co., 300 Madison av, Indianapolis, Ind.
Ingalls-Shepard Forging Co., 332 S Michigan av, Chicago, Ill.; Works: Harvey Ill.
Interstate Drop Forge Co., 2100 27th, Milwaukee, Wis.
Ketler-Elliott Co. ("Ketoco"), 31st and California, Chicago, Ill.
Keystone Forging Co., Northumberland, Pa.
Kropp Forge Co., 5301 W. Roosevelt, Chicago, Ill.
See adv index at end of book
Lakeside Forge Co. ("Lakeside"), Erie, Pa.
Laughlin Thos. Co., 135 Fore, Portland, Me.
See adv index at end of book
Lebanon Drop Forging Co., Lebanon, Pa.
McInnes Steel Co. (Ltd.) ("McInnes," Steel), Corry, Pa.
McKaig Hatch, Inc., Ontario & Skillen, Buffalo, N. Y.
Modern Die & Drop Forge Co., H 139th, Blue Island, Ill.
Moore Drop Forging Co., Springfield, Mass.
New Brunswick Iron Works, New Brunswick, N. J.
O. K. Tool Holder Co., Shelton, Conn.
Ohio Forge Co. (Drop & Hammered), Cleveland, O.
Park Drop Forge Co., 760 E 79th, Cleveland, O.
Pettis W. W. Co., 416-417 1st Natl Bank bldg, Cincinnati, O.
Pollak Steel Co., The, 386 W 71st, Carthage, Cincinnati, O.
Richmond Forgings Corporation, Richmond, Va.
Rivetless Chain & Engineering Co., Avon, Pa.
Rockford Drop Forge Co., Rockford, Ill.
Standard Forgings Co., 80H East Jackson, Chicago, Ill.
Steel Improvement & Forge Co., 5003 Windsor av, Cleveland, Ohio
Strieby & Foote Co. (Drop), 301 Ogden, Newark, N. J.
Thomson Drop Forge Co., Plantsville, Conn.
Tindel-Morris Co. (Finished), Eddystone, Pa.
Tioga Steel & Iron Co., 52nd & Grays, Phila., Pa.
Transue & Williams Steel Forging Corp., Alliance, O.
United Forge & Machine Co., 2145 Franklin, Detroit, Mich.
Union Drop Forge Co., 358 W Grand av, Chicago, Ill.
Union Forging Co., Union, N. Y.
Union Switch & Signal Co., Swissvale, Pa
Western Drop Forge Co., Marion, Ind.
Wharton Wm. Jr. & Co., Inc., Easton, Pa.
Wilcox D. Mfg. Co., Mechanicsburg, Pa.
Williams J. H. & Co., 400 Vulcan, Buffalo, N. Y.
Willys-Morrow Co., Inc., Dept. H, Elmira, N. Y.
Winchester Repeating Arms Co. ("Winchester"), 275 Winchester, New Haven, Conn.
Wyman-Gordon Co. (Cam Shaft, Connecting Rod, etc.), 105 Madison, Worcester, Mass.

4937a— Forgings (Brass, Bronze, Copper & Monel Metal)

See also following headings

Am. Brass Products Co., Pottstown, Pa.
Duff Mfg. Co., Box 555, N. S., Pittsburgh, Pa.
See adv index at end of book
Harvey Metal Corp., 74th & Ashland, Chicago
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
MICHIGAN SMELTING & REFINING CO. (Brass), 7881 Jos. Campau av, Detroit, Mich.
See adv index at end of book
Modern Die & Drop Forge Co., H, 139th, Blue Island, Ill.

4938— Forgings (Bronze)

American Brass Products Co., Pottstown, Pa.
American Manganese Bronze Co., 3501 Rhawn, Phila., Pa.
Bethlehem Steel Co., Bethlehem, Pa.
Billings & Spencer Co., Hartford, Conn.
Cramp Wm. & Sons Ship & Engine Bldg. Co., Beach & Ball, Phila., Pa.
Drop Forging Co. of N.Y., 301 West Side av, Jersey City, N. J.
Duff Mfg. Co., Box 555, N. S., Pittsburgh, Pa.
See adv index at end of book
ELECTRIC MATERIALS CO., North East, Pa.
Eureka Co., North East, Pa.
General Drop Forge Co., 1738 Elmwood av, Buffalo, N. Y.
General Railway Signal Co., Dept. H, Rochester, N. Y.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Interstate Drop Forge Co., 27th, Milwaukee, Wis.
Lakeside Forge Co., Erie, Pa.
O. K. Tool Holder Co. (Tobin Bronze), Shelton, Conn.
Pennsylvania Forge Co., Ash & Bath, Phila., Pa.
Rome Mfg. Co., Inc. ("Rome"), Rome, N. Y.
Transue & Williams, Steel Forging Corp., Alliance, O.
Union Drop Forge Co., 358 W. Grand av, Chicago, Ill.
Vanadium Metals Co., Vanadium bldg, Pittsburgh, Pa.
Virginia Forging & Mfg. Co., Richmond, Va.
Williams J. H. & Co., 400 Vulcan, Buffalo, N. Y.
Winchester Repeating Arms Co. ("Winchester"), 275 Winchester, New Haven, Conn.

4938a— Forgings (Car)

American Car & Foundry Co., St. Louis, Mo.
Anniston Electric Steel Co., Dept. H, Anniston, Ala.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Bass Foundry & Machine Co., Ft. Wayne, Ind.
Canton Forge & Axle Co., 2027 Dueber av S. W., Canton, O.
Davis Sewing Machine Co., 130 S. Ludlow, Dayton, Ohio
Drop Forging Co. of N. Y., 301 West Side av, Jersey City, N. J.
Duff Mfg. Co., Box 555, N S, Pittsburgh, Pa. *See adv index at end of book*
Eagle Bolt & Forging Co., 1435 E. 45th, Cleveland, O.
Etna Forge & Bolt Co., House Bldg., Pittsburgh, Pa.
GERDES & CO. INC., 42 Church st, New York
See adv index at end of book
Hamilton Wm. Sons Car Co., Dept. H, Newark, O.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Illinois Car & Mfg. Co., Hammond, Ind.
Isaacson Iron Works, 2912 E Marginal Way, Seattle, Wash.
McMyler-Interstate Co. (The) (Car Axle), Cleveland, Ohio
See adv index at end of book
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
Pettis W. W. Co., 416-417 First National Bank bldg., Cincinnati, Ohio.
Pittsburgh Forge & Iron Co., 1003 Penn av, Pittsburgh, Pa.
Pollak Steel Co., The, 336 W 71st, Carthage, Cincinnati, O.
St. Louis Car Co., 3000 N B'way, St. Louis, Mo.
Standard Forgings Co., 80H E Jackson, Chicago, Ill.
Steel Car Forge Co., Hammond, Ind.
Steel Car Forge Co., Elwood City, Pa.
Titusville Forge Co., Titusville, Pa.
Tredegar Co., ft. of 5th, Richmond, Va.
Valley Forging Co., Verona, Pa.
Western Steel Car & Fdry. Co., Farmers Bk. bldg, Pittsburgh, Pa.
Western Tool & Forge Co., Brackenridge, Pa.

4939—Forgings (Carriage & Wagon)

Atwater Mfg. Co., Southington, Conn.
Blakeslee Forging Co., Plantsville, Conn.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
CHAMPION MACHINE & FORGING CO., (The), 3690 E 78th, Cleveland, O.
See adv index at end of book
Clapp E. D. Mfg. Co., 300 Genesee, Auburn, N. Y.
Cleveland Hardware Co. (Steele), Lakeside av & E 45th, Cleveland, O.
Columbus Bolt Wks. Co., Columbus, O.
Commercial Drop Forge Co., Warren, Pa.
Cortland Forging Co., Cortland, N. Y.
Davis Sewing Machine Co., 130 S. Ludlow, Dayton, Ohio
Drop Forging Co. of N. Y., 301 West Side av, Jersey City, N. J.
Drummond Mfg. Co. (wagon), Louisville, Ky.
Eagle Bolt & Forging Co., 1435 E 45th, Cleveland, O.
Eccles Richard Co., Auburn, N. Y.
General Railway Signal Co., Dept. H, Rochester, N. Y.
Herbrand Co., Fremont, Ohio.
Keystone Forging Co., Northumberland, Pa.
Kilborn & Bishop Co., 194 Chapel, New Haven, Conn.
Lakeside Forge Co., Erie, Pa.
Owensboro Forging Co. (wagon), Owensboro, Ky.
Pollak Steel Co., The, 336 W 71st, Carthage, Cincinnati, O.
Queen City Forging Co. (Carriage), Dumont & Tennyson, Columbia, Cincinnati, O.
Smith H. D. & Co., Plantsville, Conn.
Strieby & Foote Co., 301 Ogden, Newark, N. J.
Tioga Steel & Iron Co., 52d & Grays, Phila., Pa.
Union Forging Co., Union, N. Y.
Wilcox D. Mfg. Co., Mechanicsburg, Pa.

4940— Forgings (Cold)

Commercial Drop Forge Co., Warren, Pa.
Oakes Co., Indianapolis, Ind.
WORCESTER PRESSED STEEL CO., Worcester, Mass.
See adv index at end of book

4941— Forgings (Copper)

American Brass Products Co., Pottstown, Pa.
Bethlehem Steel Co., Bethlehem, Pa.
Billings & Spencer Co., Hartford, Conn.
Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.
Drop Forging Co. of N. Y., 301 West Side av, Jersey City, N. J.
Duff Mfg. Co., Box 555, N. S., Pittsburgh, Pa.
See adv index at end of book
ELECTRIC MATERIALS CO., North East, Pa.
Eureka Co., North East, Pa.
General Drop Forge Co., 1738 Elmwood av, Buffalo, N. Y.
General Railways Signal Co., Dept. H, Rochester, N. Y.
Hungerford U. T. Brass & Copper Co., ("Star"), 86 Lafayette, New York
Kilborn & Bishop Co., 194 Chapel, New Haven, Conn.
Moore Drop Forging Co., Springfield, Mass.
Mutual Electric & Machine Co., 232 Fort, W, Detroit, Mich.
Transue & Williams, Steel Forging Corp., Alliance, O.
Union Drop Forge Co., 358 W Grand av, Chicago, Ill.
Williams J. H. & Co., 400 Vulcan, Buffalo, N. Y.
Winchester Repeating Arms Co. ("Winchester"), 275 Winchester, New Haven, Conn.

4942— Forgings (Die)

Allegheny Forgings Co., Keenan bldg, Pittsburgh, Pa.
American Forge & Machine Co., 1425 Barth ct S. W., Canton, O.
American Forging Co., Clifton, N. J.
Bethlehem Steel Co., Bethlehem, Pa.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Bridgeport Brass Co., Bridgeport, Conn.
Brooks Forge & Machine Co., York, Pa.
Davis Sewing Machine Co., 130 S. Ludlow, Dayton, Ohio
Drop Forging Co. of N. Y., 301 West Side av, Jersey City, N. J.
Duff Mfg. Co., Box 555, N. S., Pittsburgh, Pa.
See adv index at end of book
Duke Steel Co., Inc., 191 Pearl, New York
General Railways Signal Co., Dept. H, Rochester, N. Y.
Isaacson Iron Works, 2912 E Marginal Way, Seattle, Wash.
Kropp Forge Co., 5301 Roosevelt rd, Chicago
See adv index at end of book
Lakeside Forge Co., Erie, Pa.
Larson Chas. E., 111 N. Desplaines, Chicago, Ill.
Marine Hardware Equipment Co., South Portland, Maine.
Moore Drop Forging Co., Springfield, Mass.
Ohio Forge Co., Cleveland, O.
Park Drop Forge Co., 760 E 79th, Cleveland, Ohio
Pittsburgh Trolley & Forge Co., Pittsburgh, Pa.
Rome Mfg. Co., Inc. ("Rome" Pressed), Rome, N. Y.
Sizer Forge Co., 238 Larkin, Buffalo, N. Y.
Tindel-Morris Co., Eddystone, Pa.
Tioga Steel & Iron Co., 52d & Grays, Phila., Pa.
Union Construction Co., Balfour bldg, San Francisco, Cal.
United Forge & Machine Co., 2145 Franklin, Detroit, Mich.
Union Switch & Signal Co., Swissvale, Pa.
Vulcan Steam Forging Co., 251 Rano, Buffalo, N. Y.
Williams J. H. & Co., 400 Vulcan, Buffalo, N. Y.

4943— Forgings (Disc)

Allegheny Forging Co., Keenan bldg., Pittsburgh, Pa.
American Forging Co., Clifton, N. J.
Bethlehem Steel Co., Bethlehem, Pa.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Davis Sewing Machine Co., Dayton, Ohio.
Drop Forging Co. of N. Y., 301 West Side av, Jersey City, N. J.
Duff Mfg. Co., Box 555, N. S., Pittsburgh, Pa.
See adv index at end of book
Duke Steel Co., Inc., 191 Pearl, New York
General Railways Signal Co., Dept. H, Rochester, N. Y
Isaacson Iron Works, 2912 E Marginal Way, Seattle, Wash.
Moore Drop Forging Co., Springfield, Mass.
Ohio Forge Co., Cleveland, O.
Pittsburgh Trolley & Forge Co., Pittsburgh, Pa.
Steel Forgings Co., Oakley, Cincinnati, O.
Tioga Steel & Iron Co., 52nd & Grays, Phila., Pa.
Trojan Electric Steel Co., 34th & Hoyne av, Chicago, Ill.
Union Switch & Signal Co., Swissvale, Pa.
Vulcan Steam Forging Co., 251 Rano, Buffalo, N. Y.

4944— Forgings (Drop)

See also Forgings, Iron & Steel
Allegheny Forging Co., Keenan bldg, Pittsburgh, Pa.
Allis-Chalmers Mfg. Co. (Alloy Steel & Open Hearth), Milwaukee, Wis.
See adv index at end of book
Alvord Reamer & Tool Co., Millersburg, Pa.
AMERICAN BOLT CORP., Whitehall bldg, New York
See adv index at end of book
Am. Brake Co., 1932 N B'way, St. Louis, Mo.
American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
American Chain Co., 929 Connecticut, Bridgeport, Conn.
American Forge Co., 25 Tehame, San Francisco, Cal.
American Forge Works, 1428 13th, Denver, Colo.
American Forge & Machine Co., 1425 Barth ct S W, Canton, O.
American Forging & Socket Co., Pontiac, Mich.
Amsterdam Drop Forgings Co., Amsterdam, N. Y.
Ashtabula Bow Socket Co. (Small), Ashtabula, Ohio
Atlas Drop Forge Co., Lansing, Mich.
Bacon & Matheson Forge Co., 17H W. Lander, Seattle, Wash.
Baker Gun & Forging Co. (Small), Batavia, N. Y.
Baldt Anchor & Chain Co., Chester, Pa.
Ballard Drop Forge Co., Seattle, Wash.
Barnett Drop Forging Co. (Auto & General), Easthampton, Mass.
Bassett D. M. Bolt Works, Shelton, Conn.
Belden Machine Co., Tyron, New Haven, Conn.
Bethlehem Steel Co., South Bethlehem, Pa.
Billings & Spencer Co. (Automobile & Spring Steering Connections, Spring Box Throttle Connections, Rod & Yoke End), Hartford, Conn.
Blakeslee Forging Co., Plantsville, Conn.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Brennan Jno & Co. ("J. B."), Dept. H, 24th & M. C. R. R., Detroit, Mich.
Brewer Bros. Co., 2743 N 2nd, Phila., Pa.
Brooks Forge & Machine Co., York, Pa.
Brown R. H. & Co., 198H Brown, West Haven, Conn.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
CANTON DROP FORGING & MFG. CO. (THE), Canton, O.
Canton Forge & Axle Co., 2027 Dueber av S W, Canton, O.
Cape Ann Tool Co., Rockport, Mass.
(Continued on following page)

DROP FORGINGS

Steam Hammer and Header Machine Forgings
Hydraulic Press Forgings

THE CHAMPION MACHINE & FORGING COMPANY

CLEVELAND, OHIO

New York Office—30 Church Street Philadelphia Office—Bourse Building Detroit Office—705 Ford Building

Forgings (Drop)—Continued

CHAMPION MACHINE & FORGING CO., 3690 E 78th, Cleveland, O.
See adv index at end of book

Clapp E. D. Mfg. Co. (Carriage, Bicycle, etc.), 300 Genesee, Auburn, N. Y.

Clark W. J. Co., Salem, O.

Cleveland City Forge & Iron Co., Cleveland, O.

Cleveland Hardware Co., Lakeside av & E 45th, Cleveland, O.

Cleveland Punch & Shear Works, 2917 St. Clair av N E Cleveland, O.
See adv index at end of book

Clifford-Jacobs Forgings Co., Urbana, Ill.

Columbia Machine Works & Malleable Iron Co. (Electric Railway), Atlantic av & Chestnut, Brooklyn, N. Y.

Columbus Anvil & Forging Co., Columbus, O.

Columbus Bolt Works Co. (Carriage, etc), Columbus, Ohio

Columbus Forge & Iron Co., Columbus, O.

Commercial Drop Forge Co., Warren, Pa.

Crescent Forgings Co., Oakmont, Pa.

Danielson J. P. & Co., Jamestown, N. Y.

Davis Sewing Machine Co., 130 S Ludlow, Dayton, O.

Dean Forging Co., Muncie, Ind.

Detroit Forging Co., 284 Mt. Elliot av, Detroit, Mich.

Diamond Calk Horseshoe Co. (Small), 4700 Grand av, Duluth, Minn.

Diamond Expansion Bolt Co. (Hand & Drop Hammer), 89 West, New York
See adv index at end of book

Driggs-Seabury Ordnance Co. (Vanadium Steel, Nickel & Carbon), Sharon, Pa.

Drop Forging Co. of N. Y., 301 West Side av, Jersey City, N. J.

Duff Mfg. Co., Box 555, N. S., Pittsburgh, Pa.
See adv index at end of book

Dunn Machine Co., 55 Carroll, Buffalo, N. Y.

Dyson Jos. & Sons, 5125 St. Clair av, Cleveland O.

Eagle Bolt & Forging Co. (Steel), 1435 E 45th, Cleveland, O

Eccles Richard Co. (Carriage & Special), Auburn, N. Y.

Electro Steel Co., Curry bldg, Pittsburgh, Pa.

Endicott Forging & Mfg. Co., Endicott, N. Y.

Eureka Co. (Light Steel), North East, Pa.

Finkl A. & Sons Co., 1326 Cortland, Chicago, Ill.

Frost Gear & Forge Co., Jackson, Mich.

Fulton Drop Forge Co., Canal Fulton, O.

General Drop Forge Co., 1738 Elmwood av, Buffalo, N. Y.

General Electric Signal Co., Dept. H, Rochester, N. Y.

Globe Malleable Iron & Steel Co., 101 Greenway av, Syracuse, N. Y.

Great Lakes Forge Co. ("Kleenkut"), 14 E. Jackson blvd., Chicago, Ill.

Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.

Henry & Allen, Auburn, N. Y.

Herbrand Co., Fremont, O.

Hill-Brunner Foundry Supply Co., 637 Evans, Cincinnati, O.

Hoeft & Co., 400 N Ashland av, Chicago, Ill.

Indianapolis Drop Forging Co. (All Kinds), 1300 Madison av, Indianapolis, Ind.

Ingalls-Shepard Forging Co., 332 S Michigan, Chicago, Ill. Works, Harvey, Ill.

Interstate Drop Forge Co., 2100 27th, Milwaukee, Wis.

Irvington Mfg. Co. (Gun Parts, Bicycle, etc), Irvington, N. J.

Ketler-Elliott Co. ("Ketoco"), B. 1st & California, Chicago, Ill.

Keystone Drop Forge Works, Dept. H, Chester, Pa.

Keystone Forging Co. (Carriage & Special), Northumberland, Pa.

Kilborn & Bishop Co. (Carriage, Bicycle, etc.), 194 Chapel, New Haven, Conn.

Kortick Mfg. Co., 335 First, San Francisco, Cal.

Kraeuter & Co. (Small, High Grade), 533 18th av, Newark, N. J.

Kropp Forge Co., 5301 W Roosevelt rd, Chicago, Ill.
See adv index at end of book

Ladish Drop Forge Co., Cudahy, Wis.

Lakeside Forge Co. ("Lakeside"), Erie, Pa.

Lansing Forge Co., Lansing, Mich.

Laughlin Thos. Co. (To Order), 135 Fore, Portland, Me.
See adv index at end of book

FORGINGS, DROP

Drop Forgings made to order. We also do Machine work and Galvanizing.

Send for catalogue.

The Thomas Laughlin Company
135 Fore Street Portland, Maine

Leard Wm. Co., 16th & 5th av, New Brighton, Pa.

Lebanon Drop Forging Co., Lebanon, Pa.

Lough Bros., 90 West, New York

McKaig Hatch, Inc. (Small), Ontario & Skillen, Buffalo, N. Y.

Malleable Iron Works ("H. & A."), New Britain, Conn.

Marine Hardware Equipment Co. ("Acme" & "Wheco"), S. Portland, Me.

Melling Forging Co., Lansing, Mich.

MERRILL BROS., 3 Arnold, Maspeth (Borough of Queens), New York
See adv index at end of book

Milwaukee Forge & Machine Co., 340 Oklahoma, Milwaukee, Wis.

Modern Die & Drop Forge Co., H, 139th, Blue Island, Ill.

Modern Machy. Co. (Finished), Wilmington, Del.

Moore Drop Forging Co., Springfield, Mass.

Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.

O. K. Tool Holder Co., Shelton, Conn.

Octigan Drop Forge Co. ("Octigan"), 2428 Lowe av, Chicago, Ill.

Ohio Forge Co., Cleveland, O.

Oliver Iron & Steel Co. (Car & General), S 10th & Muriel, Pittsburgh, Pa.

Park Drop Forge Co., 760 E 79th, Cleveland, O.

Pawtucket Mfg. Co., Pawtucket, R. I.

Pettis W. W. Co., 416-417 1st Natl. Bank bldg., Cincinnati, O.

Phila., Hdwe & Mall Iron Wks., 9th & Jefferson, Phila., Pa.

Pollack Steel Co., 386 W 71st Carthage, Cincinnati, Ohio

Revere Drop Forge Co. (Steel), Revere, Mass.

Rhode Island Tool Co., Providence, R. I.

Richardson Chas. A., West Mansfield, Mass.

Richmond Forgings Corp., Richmond, Va.

Rivetless Chain & Engineering Co., Avon, Pa.

Rockford Drop Forge Co., Rockford, Ill.

St. Louis Frog & Switch Co., Chemical bldg, St. Louis, Mo.

Schaefer Equipment Co., Oliver bldg, Pittsburgh, Pa.

Schollhorn Wm. Co., 414 Chapel, New Haven, Conn.

Schuylkill Forge Co., Luzerne & Third, Phila, Pa.

SCRANTON FORGING CO., 200 Green Ridge av., Scranton, Pa.
See adv index at end of book

Smith H. D. & Co. (Vehicle & Special), Plantsville, Conn.

Southern Saw Works, East Point, Ga.

Spicer Mfg. Co., So. Plainfield, N. J.

Springfield Iron Wks., Springfield, Mass.

Standard Forgings Co., 80H E Jackson, Chicago, Ill.

Scranton Forging Co.

Small Drop Forgings Made to Order

Scranton, Pa.

Steel Car Forge Co., Frick bldg, Pittsburgh, Pa.

Steel Improvement & Forge Co., 5007 Windsor av, Cleveland, Ohio

Sterling Drop Forge Works, Cicero, Ill.

Stolle Frank J., 207 Main, Cincinnati, O.

Strait H. M. Mfg. Co., Kansas City, Kan.

Strieby & Foote Co. (Automobile & Special), 301 Ogden, Newark, N. J.

Superior Mfg. Co., Gloucester, Mass.

Thomson Drop Forge Co., Plantsville, Conn.

Transue & Williams Steel Forging Corp., Alliance, O.

Union Drop Forge Co., 358 W Grand av, Chicago, Ill.

Union Switch & Signal Co., Swissvale, Pa.

United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book

Valley Forging Co., Verona, Pa.

Voight Henry Mach Co., Inc., Louisville, Ky.

Warren Axe & Tool Co., Dept. H, Warren, Pa.

Western Drop Forge Co., Boyle nr. Slauson, Los Angeles, Cal.

Western Forge & Mfg. Co., Slawson & Boyle avs, S Huntington Park, Los Angeles, Cal.

Western Tool & Forge Co., Brackenridge, Pa.

Whitaker Mfg. Co., 409 S Green, Chicago, Ill.

Wilcox D. Mfg. Co., Mechanicsburg, Pa.

Wilcox Crittenden & Co. Inc., 444 S Main, Middletown, Conn.
See adv index at end of book

Drop Forgings to Order

Light and medium Drop Forgings to B/P or sample. We can machine your Forgings or Galvanize them by the Hot Dipped Process, and ship the finished product direct to your customer if desired.

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444 So. Main St., Middletown, Conn.

Williams Drop Forging Co., Scranton, Pa.

Williams J. H. & Co., 400 Vulcan, Buffalo, N. Y.

Willys-Morrow Co. Inc., Elmira, N. Y.

Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

Wyman-Gordon Co., 105 Madison, Worcester, Mass.

Forgings (Electric)

See Welding, Electric

4945—Forgings (Electric Railway)

See also Forgings, Drop; also Forgings, Iron & Steel

Allegheny Forging Co., Keenan bldg., Pittsburgh, Pa.

Bethlehem Steel Co., So. Bethlehem, Pa.

Bonney Forge & Tool Works, Tilghman, Allentown, Pa.

Brill J. G. Co., 62d & Woodland av, Phila, Pa.

Champion Machine & Forging Co., 3690 E 78th, Cleveland, O.
See adv index at end of book

Hammered FORGINGS Drop

Our plant is centrally located and specially equipped to manufacture hammered forgings up to 20,000 lbs. and drop forgings up to 700 lbs. Let us quote on your requirements.

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Chicago, Illinois

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MINNEAPOLIS: 124 S. 9th St. CINCINNATI: 30 Hulbert Block

Columbia Machine Works & Malleable Iron Co. (All Kinds), Atlantic av & Chestnut, Brooklyn, N. Y.
General Drop Forge Co., 1738 Elmwood av, Buffalo, N. Y.
GERDES & CO., INC., 42 Church, New York
See adv index at end of book
Heppenstall Forge Co., Bridgeport, Conn.
Kansas City Bolt & Nut Co., Sheffield Station, Kansas City, Mo.
Lakeside Forge Co. ("Lakeside"), Erie, Pa.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Park Drop Forge Co., 760 E 79th, Cleveland, O.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Pollak Steel Co. (The), 386 W. 71st, Carthage, Cincinnati, O.
Steel Car Forge Co., Frick bldg., Pittsburgh, Pa.
Standard Forgings Co., 80H E Jackson, Chicago, Ill.
Standard Parts Co. (Gas Welded), Cleveland, O.
Union Drop Forge Co., 358 W Grand av, Chicago, Ill.
Union Switch & Signal Co., Swissvale, Pa.
Wason Mfg Co., Springfield, Mass.
Winchester Repeating Arms Co. ("Winchester"), 275 Winchester, New Haven, Conn.

4946— Forgings (Electrically Welded)

Allegheny Forging Co., Keenan bldg, Pittsburgh, Pa.
Dalton-Ingersoll Mfg. Co., 24 Purchase, Boston, Mass.

4947-8— Forgings (Gas Engine)

See also Forgings, Drop; also Forging, Iron & Steel

Allegheny Forging Co., Keenan bldg, Pittsburgh, Pa.
Am. Forging Co., Clifton, N. J.
Am. Hollow Boring Co. (Bored), Erie, Pa.
AMERICAN HOLLOW BORING CO., 1055 W. 19th, Erie, Pa.
Atlas Drop Forge Co., Lansing, Mich.
Bethlehem Steel Co. (Also Gasoline), Bethlehem, Pa.
Bonney Vise & Tool Wks., Inc., Allentown, Pa.
CHAMPION MACHINE & FORGING CO., 3690 E 78th, Cleveland, O.
See adv index at end of book
Columbus Bolt Works Co., Columbus, O.
Commercial Drop Forge Co., Warren, Pa.
Driggs-Seabury Ordnance Co., Sharon, Pa.
Drop Forging Co. of N. Y., 301H West Side av, Jersey City, N. J.
Erie Forge Co. (Marine), Erie, Pa.
General Drop Forge Co., 1738 Elmwood av, Buffalo, N. Y.
Heppenstall Forge Co., Bridgeport, Conn.
Heppenstall Forge & Knife Co., 47th & Hatfield, Pittsburgh, Pa.
Isaacson Iron Works, 2912 E Marginal Way, Seattle, Wash.
Kropp Forge Co., 5301 Roosevelt rd, Chicago, Ill.
See adv index at end of book
Lakeside Forge Co., Erie, Pa.
Leard Wm. Co., 16th & 5th av, New Brighton, Pa.
McMyler-Interstate Co. (The), Cleveland, Ohio *See adv index at end of book*
Marine Hardware Equipment Co., South Portland, Maine.
Modern Die & Drop Forge Co., H, 139th, Blue Island, Ill.
Moore Drop Forging Co., Springfield, Mass.
Ohio Forge Co., Cleveland, O.
Park Drop Forge Co., 760 E 79th, Cleveland, O.
Pennsylvania Forge Co., Ashland & Bath, Bridesburg, Phila., Pa.
Pettis W. W. Co., 416-417 First National Bank bldg, Cincinnati, Ohio.
Pollak Steel Co. (The), 386 W. 71st, Carthage, Cincinnati, O.
Rockford Drop Forge Co., Rockford, Ill.
Steel Forging Co., Oakley, Cincinnati, O.
Strieby & Foote Co., 301 Ogden, Newark, N. J.
Tindel-Morris Co., (Specialty, Crankshafts Finished), Eddystone, Pa. & Ellwood City, Pa.
Titusville Forge Co., Titusville, Pa.
Union Construction Co., Balfour bldg, San Francisco, Cal.
Union Drop Forge Co., 358 W Grand av, Chicago, Ill.
Union Switch & Signal Co., Swissvale, Pa.
Vulcan Steam Forging Co., 251 Rano, Buffalo, N. Y.
Western Drop Forge Co., P O Box 386, Marion, Ind.
Williams J. H. & Co., 400 Vulcan, Buffalo, N. Y.
Wyman-Gordon Co., 105 Madison, Worcester, Mass.

4949— Forgings (Hollow)

Allis-Chalmers Mfg. Co. (Hollow Bored Forgings, Alloy & Open Hearth Steel), Milwaukee, Wis.
See adv index at end of book
Am. Forging Co., Clifton, N. J.
AMERICAN HOLLOW BORING CO., 1055 W 19th, Erie, Pa.
Bay City Forge Co., 1820 Cranberry, Erie, Pa.
Bethlehem Steel Co., South Bethlehem, Pa.
Erie Forge Co. (Bored Hole from ½ inch to 20 inches Diameter & from 1 foot to 50 feet Length Rough or Finished), Dept. H, 15th & Cascade, Erie, Pa.
HARRISBURG PIPE & PIPE BENDING CO. (Finished or Semi Finished), Herr nr. 10th, Harrisburg, Pa.
Midvale Co., Nicetown, Phila., Pa.
Modern Die & Drop Forge Co., H, 139th, Blue Island, Ill.
Pollack Steel Co., 386 W 71st Carthage, Cincinnati, Ohio
Tioga Steel & Iron Co., 52nd & Grays av, Phila., Pa.
Wharton Wm. Jr. & Co., Inc., Easton, Pa.

4950— Forgings (Hydraulic)

American Forge & Machine Co. (Steam Hydraulic Press), 1425 Barth ct S W, Canton, O.
Am. Forging Co., Clifton, N. J.
Atlas Drop Forge Co., Lansing, Mich.
Bethlehem Steel Co., South Bethlehem, Pa.
Cleveland City Forge & Iron Co., Cleveland, O.
Commercial Milling Co. (Meal), 229 Randolph, Detroit, Mich.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
Morgan Engineering Co., Alliance, O.
Park Drop Forge Co., 760 E 79th, Cleveland, O.
Pettis W. W. Co., 416-417 Natl. Bank bldg., Cincinnati, O.
Pollak Steel Co. (The), 386 W. 71st, Carthage, Cincinnati, O.
Sizer Forge Co., 238 Larkin, Buffalo, N. Y.
Tindel-Morris Co., Eddystone, Pa.
Titusville Forge Co., Titusville, Pa.
Wyman-Gordon Co., 105 Madison, Worcester, Mass., & Cleveland, O.

4951—Forgings (Iron & Steel)

ALABAMA.

ANNISTON—Anniston Electric Steel Corp.
BIRMINGHAM—Cruse-Crawford Mfg. Co.
Grace C. M. & Co. (Light & Heavy)
Johnson & Thompson

CALIFORNIA.

LOS ANGELES—Cal Well Tool & Machine Works, 1033 Alhambra av
Emsco Press Forging Co., Boyle av nr Slauson
Grant Forge Shop, 2044 E Vernon av
Mills Iron Works, 927 N Main
Western Drop Forge Co., Boyle nr. Slauson
OAKLAND—Western Forge & Tool Works, 209 Jefferson
SACRAMENTO—Sacramento Steam Forge Co., 115 O
SAN FRANCISCO—American Forge Co., 25 Tehama
Bay City Iron Works, 1215 Harrison
Lowden Jas. W. Forge Shop, 7 Zeno pl
Pacific Coast Forge Works, 43 Gilbert
Pennington Geo. W. Sons, Inc., 1699 Montgomery
Pollack Steel So., Hobart bldg
Union Construction Co., Balfour bldg.
United Shipsmithing Co., 135 Spear
Yuba Mfg. Co., Insurance Exchange bldg.
STOCKTON—Stockton Iron Works, Lindsay & Harrison

COLORADO.

DENVER—Ajax Iron Works Co. (Steam Hammer), 1709 Blake
American Forge Works, 1428 13th
Colorado Iron Works Co., 3301 Wynkoop

CONNECTICUT.

BRIDGEPORT—Heppenstall Forge Co.
HARTFORD—Billings & Spencer Co.
NEW BRITAIN—Malleable Iron Works ("H. & A.")
PLANTSVILLE—Blakeslee Forging Co.
Smith H. D. & Co. (Carriage)
Thomson Drop Forge Co.
SHELTON—O. K. Tool Holder Co.
WATERBURY—Moffat H. R. & J.

DELAWARE.

WILMINGTON—Modern Machinery Co. (Finished)

FLORIDA.

JACKSONVILLE—Murphy Timothy Iron Works

GEORGIA.

EAST POINT—Southern Saw Works
SAVANNAH—Rourke Jno. & Sons (Heavy)

ILLINOIS.

CHICAGO—Atlas Forgings Co., 2515 S Artesian av
Carlson Forgings Co., 733 Fulton
KROPP FORGE CO., 5301 Roosevelt rd
See adv index at end of book
O'Leary Arthur J. & Son Co. (Bars, Rods, Bolts, Vises, Railway & Quarry Tools, etc), 65th & 57th av
Standard Forgings Co., 80 E Jackson blvd
Sundberg Co. (Hammered Steel), 1024 W. Kinzie
Union Drop Forge Co., 358 W Grand av.
Western Steel Car & Foundry Co. (Car & Railroad), Peoples' Gas bldg, Chicago, Ill.
EAST ST. LOUIS—Laclede Steel Co. Valley Works
HARVEY—Buda Co. (See Chicago, Ill.)
Ingalls-Shepard Division Wyman-Gordon Co., Harvey, Ill. (Auto, R. R. Machinery, etc)
MOUNT VERNON — Mount Vernon Car Mfg. Co. (R R, etc)
PEORIA—Armstrong J. C. Machine & Foundry Co.
ROCKFORD—Rockford Drop Forge Co. (Steel)

(Continued on following page)

Forgings (Iron & Steel)—Continued

INDIANA.

FORT WAYNE—Bass Foundry & Machine Co. (Hammond Iron & Steel, also Car Axles)
HAMMOND—Illinois Car & Mfg. Co.
Steel Car Forge Co. (Cars, etc.)
INDIANA HARBOR — Standard Forgings Co. (Heavy, for Mining, Milling & Power Transmission Machinery) (See Chicago, Ill.)

IOWA.

WATERLOO—Armstrong Mfg. Co. (Heavy Steel)
Ferguson Mfg. Co. (Oil, Gas & Water)

KANSAS.

KANSAS CITY—Strait H. N. Mfg. Co.

KENTUCKY.

LOUISVILLE—Drummond Mfg. Co. (Vehicles, Axles, etc), 1210 W Main
Sheppard Mfg. Co.
OWENSBORO — Owensboro Forging Co. (Vehicle Only)

LOUISIANA.

NEW ORLEANS—Swoop Julian M. (Light & Heavy), 913 Girod

MAINE.

PORTLAND—Portland Co.
SOUTH PORTLAND—Marine Hardware Equipment Co.

MARYLAND.

BALTIMORE—Baltimore Car & Foundry Co., Iron and Steel, Railroad, etc
Cahill W. S. Co., Key Highway & Webster.
CUMBERLAND—Cumberland Steel Co.

MASSACHUSETTS.

ARLINGTON HEIGHTS—Jones Ball Co. (Small Steel, Brass, etc)
BOSTON—Boston Forge Co. (All Kinds of Hammered Forgings), E
Preble Edward, 103 Summer, E B
CAMBRIDGE — Barbour Stockwell Co. (Light & Heavy)
EVERETT—New England Bolt Co. (All Kinds)
GLOUCESTER—Cape Ann Anchor Works
REVERE—Revere Drop Forge Co.
SPRINGFIELD—Moore Drop Forging Co.
Wason Mfg. Co. (For Steam Electric Railroads)
WEST MANSFIELD—Richardson Chas. A.
WORCESTER — Wyman-Gordon Co. (All Kinds), 105 Madison

MICHIGAN.

DETROIT—Detroit Forging Co., 284 Mt. Elliot av
Great Lakes Engineering Works (Marine, etc), Real Est. Exch. bldg
Hayes Mfg. Co., 480 Maybury
Lauer Jno. Mach. Co., 110 St. Antoine
Pollak Steel Co., 790 Woodward
United Forge & Machine Co., 2145 Franklin, Detroit, Mich.
GRAND RAPIDS—Leitelt Adolph Iron Works
LANSING—Melling Forging Co.
MANISTEE—Manistee Iron Works Co. (Railroad & Heavy)
SAGINAW—Koehler Bros.
SAULT SAINTE MARIE—Hickler Bros.

MINNESOTA.

DULUTH—National Iron Co.
ST. PAUL—St. Paul Foundry Co., Como av & Mackubin

MISSOURI.

KANSAS CITY—Kansas City Bolt & Nut Co. (Car R R & Merchant), Sheffield Station
ST. LOUIS—American Car & Foundry Co. (Car, Railroad & Merchant), Syndicate Trust bldg
Laclede Steel Co. (Standard Special Forgings), Arcade bldg
Moran Bolt & Nut Mfg. Co. (Car), 1st & Florida
St. Louis Car Co. (Car), 8000 N B'way

MONTANA.

BUTTE—Western Iron Works

NEBRASKA.

OMAHA—Paxton & Vierling Iron Works

NEW JERSEY.

BORDENTOWN — Bordentown Forge & Machine Co.
CAMDEN—Camden Forge Co. (Railway Forgings)
CHROME—Chrome Steel Works
HOBOKEN—Atkinson W. H. Co. (Hammered Forgings, Rough or Machined)
Consolidated Iron Works
New York Switch & Crossing Co. (Railroad)
Nilson-Miller Co. (Steam Hammer & Hand Forgings), 50 13th
Union Iron Works (Light & Heavy)
JERSEY CITY—Drop Forging Co. of N. Y., 301 West Side av
Jersey Forging Works, Dept. H, 16th & Jersey av
Smith Theo. & Sons Co. (Heavy), ft of Essex
NEWARK—Hewes & Phillips Iron Works, 8 Orange
Interstate Bridge Forge & Mfg. Co., 721 Broad
Roe & Conover, 206 Frelinghuysen av, Newark, N. J.
Strieby & Foote Co., 301 Ogden (Carriage, Bicycle & Auto, etc)
NEW BRUNSWICK—New Brunswick Iron Works

NEW YORK.

ALBANY—Federal Signal Co.
Towsend Foundry & Machine Shop Co,. Broadway & Rensselaer
See adv index at end of book
AUBURN—Clapp E. D. Mfg. Co. (Carriage, etc.), 300H Genesee
Eccles Richard Co.
Hammond & Irving
Henry & Allen (Steel)
BATAVIA—Baker Gun & Forging Co. (Gun)
BUFFALO—Brennan Richard, Iron Works, 33 River
De Laney Forge & Iron Co., 300 Perry
General Drop Forge Co., 1738 Elmwood av
Progressive Steel Co., 504 Bailey av
Vulcan Steam Forging Co., 251 Rano
Williams J. H. & Co., 400 Vulcan, Buffalo, N. Y
HILLBURN—Ramapo Iron Works (Railroad, etc)
ITHACA—Holmes E. J. & Son, W State

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Arwe Carl H. Mfg. Co. (Machined), 1348 De Kalb av
Columbia Machine Works & Malleable Iron Co. (Light & Heavy), Atlantic av & Chestnut
Fulton Foundry & Machine Co. (Machinery, etc), 21 Furman
Gaskell Wm. & Son, 59 Freeman
Gill Phil. H. & Sons (Forging & Piping), 2 Lorraine
Smith David H. & Sons, foot of 51st
See adv index at end of book

Boroughs of Manhattan and Bronx.

NEW YORK — American Bolt Corp., Whitehall bldg
See adv index at end of book
American Bridge Co., 30 Church
American Car & Foundry Co., 165 B'way
Crowley John A. Co., 120 Liberty
Crucible Steel Co. of Amer. (Steel Only of All Kinds), 17 E 42nd
Dobbie Foundry & Machine Co. (Heavy Plate & Structural Work), 82 Warren. Works: Niagara Falls, N. Y.
See adv index at end of book
Duke Steel Co., Inc., 191 Pearl
GERDES & CO., 42 Church
See adv index at end of book
Griscom-Russell Co., 92 West
See adv index at end of book
Greenlie-Halliday Co. (Heavy & Light), 499 Water
Lasker & Minck, 53 Park pl
McDougall & Potter Co., Inc., Rider av & 141st
Newhall Chain, Forge & Iron Co., 39 West
Ogden J. Edward Co. (Light & Heavy), 147 Cedar
Pennell J. F., Inc., 206 B'way
Philadelphia Steel & Forge Co. (All Kinds), 50 Church; Works: Tacony, Phila., Pa.

Borough of Queens.

MASPETH—MERRILL BROS., 3 Arnold
See adv index at end of book

(End of New York City)

NIAGARA FALLS—Ramapo Iron Works (Railroad, etc)
ROCHESTER—General Electric Signal Co., Dept H
Rochester Forge Inc. (Tool Steel), 30H Sherer
SYRACUSE—Halcomb Steel Co. (Steel)
Irving, Robert M., 310 E Genesee
TONAWANDA—Gillie Machine Co. (Small Light)
UNION—Union Forging Co. (Carriage & Automobile)

OHIO.

ALLIANCE—Morgan Engineering Co.
CANAL FULTON—Fulton Drop Forge Co
CANTON—Canton Forge & Axle Co., 2027 Dueber av S W
CINCINNATI—Pettis W. W. Co., 416-417 First Natl. Bank bldg
Pollak Steel Co. (The), 386 W. 71st, Carthage
Queen City Forging Co. (For Carriage Builders, etc), Dumont & Tennyson, Columbia
Steel Forgings Co., Oakley
Talbot C. R. Co., 2245 Bogan
Winkelman Louis & Co., 213 Lawrence
CLEVELAND—American Ship Building Co. (Heavy, Marine, etc), ft. of W. 54
Buckeye Forging Co. (Small), 10249 Harvard av
Champion Machine & Forging Co. (Upsetting Special Machine & Hammer Forgings), 3690 E 78th
See adv index at end of book
Cleveland City Forge & Iron Co. (Light etc)
Cleveland Hardware Co. (Steel Forgings for Vehicles), Lakeside av & E 45th
Cleveland Machine & Mfg. Co., 4944 Hamilton av
Cleveland Punch & Shear Works Co., 3917 St. Clair av N E
See adv index at end of book
Dyson Jos. & Sons (For Machine Tools, including Spindles, Shafts, Gear Blanks, etc), 5125 St. Clair av
Eagle Bolt & Forging Co. (Light), 1435 E 45th
Fishel & Marks Co., Ft. of Krakow av
See adv index at end of book
Johnston & Jennings Co., Addison rd & N. Y. C. RR.
Lake Erie Forge & Machine Co. (Die, Weldless Steel Rings & Machine Forgings)
McMyler-Interstate Co. (The) (Blank, Connecting Rod, Eccentric, Gun, Hammer, Heavy, Crankshaft, Plain Carbon, Railroad, Shaft)
See adv index at end of book

Forgings

THE McMYLER INTERSTATE CO.

CLEVELAND

Sales offices in all principal cities

Machinery Forging Co. (Small), Hamilton & Marquette
Ohio Forge Co. (Automobile Machine, etc.)
Ohio Machine & Boiler Co., 1510 University rd
Park Drop Forge Co. (Open Hearth, Crucible & Alloy Steel), 760 E 79th
Steel Improvement & Forge Co., 5003 Windsor av
Wyman & Gordon Co., 3803 Superior av (See Worcester, Mass.)
COLUMBUS—Columbus Anvil & Forging Co.
Columbus Bolt Works Co. (Carriage, etc.)
Columbus Forge & Iron Co. (Heavy & Light Forgings in Multiple)
DAYTON—Davis Sewing Mach. Co. (Steel), 130 S Ludlow
FREMONT—Herbrand Co. (Carriage, etc)
MARIETTA—Leidecker Tool Co.
MARTINS FERRY—McDermott P. J.
MASSILLON—Central Steel Co., Dept. H
Griscom Russell Co.
See adv index at end of book
NEWARK—Hamilton Wm. Sons Car Co., Dept. H
NILES—Niles Forge & Mfg. Co.
NORWALK—Norwalk Drilling Tool Co. (Heavy)
SANDUSKY—Klotz Machine Co. (Light)
TOLEDO—Toledo Foundry & Machine Co.
Toledo Machine & Tool Co.

OREGON

PORTLAND—Coast Engine & Machine Works, E Madison & Water
Monarch Forge & Mach. Wks., 4th & Flanders
Nelson Forge Works, 231 E Water

PENNSYLVANIA.

ALIQUIPPA—Vulcan Crucible Steel Co. (Steel)
ALLENTOWN — Bonney Forge & Tool Works, Tilghman
BETHLEHEM—Bethlehem Fdry. & Machine Co.
BRACKENRIDGE—Western Tool & Forge Co. (Air Brake, Car, Wagon, etc)
BRADFORD—Tuna Iron & Steel Works
BRAEBURN—Braeburn Steel Co. (Steel Only)
BURNHAM—Standard Steel Works Co. (Steel Locomotive)
BUTLER—Kesselman & Co. (Heavy)
Larkin & Co. (Drilling & Fishing Tools)
CHESTER—Allison & Co., Dept. H
CONNELLSVILLE—Connellsville Machine & Car Supply Co. (Light & Heavy)
CORRY—McInnes Steel Co. (Ltd.) (Machinery & Tool Steel Shapes Forged to Order)
EDDYSTONE—Tindel Morris Co. (Steel Only, Crankshaft & Finished Forging)
ELLWOOD CITY—Ellwood City Forge Co. (Crankshafts, Connecting Rods, Die Blocks, etc)

Steel Car Forge Co. (Car & Locomotive)
ERIE—Erie Concrete & Steel Co. (Light)
Erie Forge Co. (Steel Only, Engine Crankshafts, Connecting Rods, etc.), Dept. H, 15th & Cascade
Lakeside Forge Co. ("Lakeside" Steel Only)
HARRISBURG—Harrisburg Foundry & Machine Works
JOHNSTOWN—Cambria Steel Co. (Steel Car & General Heavy), Main Office: Phila., Pa.
Lorain Steel Co. (Steel)
Suppes Forge & Foundry Co.
Weimer Machine Works Co.
LEBANON — Hunsicker Engineering Co., Dept H
Lebanon Drop Forging Co.
McKEESPORT—Firth-Sterling Steel Co. (Crucible Open Hearth)
MECHANICSBURG—Wilcox D. Mfg. Co. (Carriages & Special of all Kinds)
MILLERSBURG—Millersburg Fifth Wheel Co. (Light)
MILTON—Milton Mfg. Co. (Shafting, Crankshafts, etc)
MONONGAHELA—Liggett Springs & Axle Co. (Buggy & Wagon Axles, etc)
MT. CARMEL—Mt. Carmel Iron Works
NEW BRIGHTON—Leard Wm. Co. (Special Forgings), 16th & 5th av
NORTH EAST—Eureka Co., Dept. H
NORTHUMBERLAND—Keystone Forging Co. (Carriage & Special)
OAKMONT—Crescent Forging Co.
PHILADELPHIA—Ashman S. A. & Son Co., 2300 E Tioga
Brewer Bros. Co., 2743 N 2nd
Brill J. G. Co. (For Steam & Electric Railroads), 62d & Woodland av
Cann & Saul Steel Co., 516 Commerce
Cramp Wm. & Sons Ship & Engine Bldg. Co. (Marine, etc), Beach & Ball
Hoopes & Townsend Co. (Car, etc), Broad & Buttonwood
Illingworth, John Steel Co. (Crucible Open Hearth Steel), Tacony & Lewis
McGookin D. H. (Structural, etc.), 1630 N 9th
Midvale Co. (Rough, any weight), Nicetown
Nicetown Plate Washer Co., 1824 Juniata
Pennsylvania Forge Co. (Steel Only), Ash & Bath
Philadelphia Iron & Steel Co., Commercial Trust bldg
Philadelphia Steel & Forge Co., Milnor & Bleigh (See New York)
Phoenix Iron Co. (For own Consumption Only), 22 S 15th
Schuylkill Forge Co., Luzerne & Third, Dept. H.
Standard Steel Works Co. (Steel Locomotive), Morris bldg
Tacony Steel Co., Franklin Bank bldg
Tioga Steel & Iron Co., 52nd & Grays, Phila., Pa.
PHOENIXVILLE — Phoenix Iron Co. (Heavy)
PITTSBURGH—Allegheny Forging Co., Keenan bldg
Carnegie Steel Co. (Steel Only), Carnegie bldg
Duff Mfg. Co., Box 555, N S
See adv index at end of book
Edgewater Steel Co., Edgewater Station & A. V. R. R.
Electro Steel Co. (Electric Furnace Steel), Curry bldg
Etna Forge & Bolt Co. (Car), House bldg
Forged Steel Wheel Co. (Railroad, etc)
Heppenstall Forge & Knife Co. (Automobile, Gas Engine & Miscellaneous), 47th & Hatfield
Johnson-Peter Co., Terminal Warehouse *See adv index at end of book*
Lanz M. Bolt Co., 2907H Carson
Mesta Machine Co. (Steel Only), Box 1124
See adv index at end of book

Mesta Machine Company
Pittsburgh, Pa., U. S. A.

Oil Well Supply Co., 215 Water
Pittsburgh Block & Mfg. Co., 818 South av
Pittsburgh Forge & Iron Co. (Car, Locomotive & Marine), Chamber of Commerce bldg
Pittsburgh Knife & Forge Co., Ridge & Chateau
Pittsburgh Rivet Co. (Rivets, Bolts, etc), 39th
Pittsburgh Trolley & Forge Co., 117 Water
Pressed Steel Car Co. (Iron & Pressed Steel), 307 5th av, Pittsburgh, Pa.
Steel Car Forge Co. (For Steam & Electric Railways, Mfg. Plants, etc), Frick bldg, New York
UNITED STATES CHAIN & FORGING CO. (Light & Heavy), Union Trust bldg
See adv index at end of book
RANKIN—(See Pittsburgh)
READING—Carpenter Steel Co. (Steel & Gun)
Penn Foundry & Mfg. Co.
Reading Iron Co. (Heavy Marine Engines, etc)
SCRANTON—SCRANTON FORGING CO., 200 Green Ridge av
See adv index at end of book
SHARON—Driggs-Seabury Ordnance Co.
SWISSVALE—Union Switch & Signal Co.
TITUSVILLE—Titusville Forge Co. (Light & Heavy, Shapes of Every Description & Roll Forgings, Car Forgings, etc)
VERONA—Valley Forging Co. (Car & Special)
WARREN — Commercial Drop Forge Co. Dept H
WILKES-BARRE—Vulcan Iron Works

RHODE ISLAND.

PROVIDENCE—Rhode Island Tool Co. (For the Trade)

SOUTH CAROLINA.

CHARLESTON—Charleston Dry Dock & Machine Co.
Riley John F. Fndry & Mach. Co.
Riverside Iron Works (Marine, etc)

TENNESSEE.

KNOXVILLE—Knoxville Foundry & Machine Co. (Heavy)

TEXAS.

DALLAS—Mosher Steel & Machinery Co. (Heavy)
HOUSTON — Bayou City Iron Works (Heavy)
Houston Car Wheel & Machine Co. (Heavy)

VIRGINIA.

RICHMOND—Cameron Stove Co.
Richmond Forgings Corporation
Tredegar Co. (Car & Machinery), ft. of 5th

WASHINGTON.

SEATTLE—Acme Forge Works, 3614 E Marginal Way
Bacon & Matheson Forge Co., 17H W Lander
Isaacson Co. Iron Works, King
Pacific Car & Foundry Co., H, Alaska bldg
Vulcan Mfg. Co., 1200 4th av
TACOMA—Star Iron & Steel Co., 435 E 11th

WISCONSIN.

CUDAHY—Ladish Drop Forge Co. (Crank shafts, Gear Blanks, Connecting Rods, etc.)
MILWAUKEE — Allis-Chalmers Mfg. Co. (Alloy Steam & Open Hearth),
See adv index at end of book
Interstate Drop Forge Co., 27th
Milwaukee Forge & Machine Co., 340 Oklahoma
NORTH MILWAUKEE—Wisconsin Bridge & Iron Co.
OSHKOSH—Badger Tool & Forge Co. (Light), 707 Nebraska
SOUTH MILWAUKEE—Bucyrus Co. (Steel), Dept. H

4951a— Forgings (Ladle)

Kropp Forge Co., 5301 Roosevelt rd, Chicago
See adv index at end of book

4952—Forgings (Liquid Compound)

Bethlehem Steel Co., South Bethlehem, Pa.
Pennsylvania Forge Co., Bridesburg, Phila., Pa.

4952a—Forgings (Locomotive)

See also Forgings (Railroad)

Anniston Electric Steel Corp., Dept. H, Anniston, Ala.
Bethlehem Steel Co., Bethlehem, Pa.
Duff Mfg. Co., Box 555, N S, Pittsburgh, Pa. *See adv index at end of book*
General Electric Signal Co., Dept. H, Rochester, N. Y.
Leard, Wm. Co., 16th & 5th av, New Brighton, Pa.
McMYLER-INTERSTATE CO. (THE), Cleveland, Ohio
See adv index at end of book
Pitts Forge & Iron Co., 1003 Penn av, Pittsburgh, Pa.
Pollack Steel Co., 386 W 71st Carthage, Cincinnati, Ohio
Sizer Forge Co., 238 Larkin, Buffalo, N. Y.
Standard Steel Wks. Co., Morris bldg., Phila, Pa.
Steel Car Forge Co., Elwood City, Pa.

4952b—Forgings (Machinery)

American Forge & Machine Co., 1415 Barth ct, S W, Canton, O.
American Forge Works (Heavy), Denver, Colo.
American Forging Co., Clifton, N. J.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Canton Forge & Axle Co., 2027 Dueber av S W, Canton, Ohio
Charleston Iron Wks., Charleston, S. C.
Drop Forging Co. of N. Y., 301 West Side av, Jersey City, N. J.
Duff Mfg. Co., Box 555, N S, Pittsburgh, Pa.
See adv index at end of book
Eagle Bolt & Forging Co., 1435 E 45th, Cleveland, O.
Fulton Fdy. & Mach. Co., 21 Furman, B'klyn, N. Y.
Fulton Iron Works Co., 1259 Delaware av, St. Louis, Mo.
General Railway Signal Co., Dept. H, Rochester, N. Y.
GERDES & CO., INC., 42 Church, New York
See adv index at end of book
Ingalls-Shepard Division, Wyman-Gordon Co., Harvey, Ill.
Johnston & Jennings Co., Addison rd & N. Y. C. RR., Cleveland, Ohio
Ketler-Elliott Co. ("Ketoco"), 31st & California, Chicago, Ill.
Lakeside Forge Co., Erie, Pa.
McInnis Steel Co., Ltd., Corry, Pa.
MERRIL BROS. (Drop Hammers), 3 Arnold (Queensboro), Maspeth, Long Island, N. Y.
See adv index at end of book
Moore Drop Forging Co., Springfield, Mass.
Nelson Forge Works, 231 E Water, Portland, Ore.
Niles Forge & Mfg. Co., Niles, O.
Pettis W. W. Co., 416-417 First National Bank bldg, Cincinnati, Ohio.
Pollak Steel Co. (The), 386 W. 71st, Carthage, Cincinnati, O.
Riley John F. Fndry & Mach. Co., Charleston, S. C.
Sacramento Steam Forge Co., 115 O, Sacramento, Cal.
Standard Forgings Co., 80H E Jackson, Chicago, Ill.
Tioga Steel & Iron Co., 52nd & Grays, Phila., Pa.
Tredegar Co., ft. of 5th, Richmond, Va.
Wharton Wm. Jr. & Co., Inc., Easton, Pa.
Williams J. H. & Co., 400 Vulcan, Buffalo, N. Y.
Zeigler Mfg. Co., Alexandria, Ind.

4952c—Forgings (Machinery, Upset)

American Forge Co., 2621 S Hoyne av, Chicago
Anniston Electric Steel Co., Dept. H, Anniston, Ala.
Bethlehem Steel Co., Bethlehem, Pa.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Chambersburg Engineering Co., Chambersburg, Pa.
CHAMPION MACHINE & FORGING CO., 3690 E 78th, Cleveland, O.
Commercial Drop Forge Co., Warren, Pa.
Drop Forging Co. of New York, 301 West Side av, Jersey City, N. J.
Duff Mfg. Co., Box 555, N. S., Pittsburgh, Pa.
See adv index at end of book
Norris Bros., Robinson, Ill.
Williams J. H. & Co., 400 Vulcan, Buffalo, N. Y.
Williams, White & Co., 301 8th, Moline, Ill.

4953—Forgings (Manganese Bronze)

Cramp Wm. & Sons Ship & Engine Bldg. Co. ("Cramps"), Richmond & Norris, Phila., Pa.
General Drop Forge Co., 1738 Elmwood av, Buffalo, N. Y.
General Railway Signal Co., Dept. H, Rochester, N. Y.
Williams J. H. & Co., 400 Vulcan, Buffalo, N. Y.
Wyman-Gordon Co., 105 Madison, Worcester, Mass., & Cleveland, O.

4954—Forgings (Manganese Steel)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Drop Forging Co. of N. Y., 301 West Side av, Jersey City, N. J.
Duff Mfg. Co., Box 555, N. S., Pittsburgh, Pa.
See adv index at end of book
General Railway Signal Co., Dept. H, Rochester, N. Y.
Pollak Steel Co. (The), 386 W. 71st, Carthage, Cincinnati, O.
SCRANTON FORGING CO., 200 Green Ridge av, Scranton, Pa.
See adv index at end of book
Tioga Steel & Iron Co., 52nd & Grays, Phila., Pa.
Wharton Wm. Jr. & Co., Inc., Easton, Pa.

4954a— Forgings (Marine)

American Shipbuilding Co., Cleveland, O.
Bacon & Matheson Forge Co., 17H W. Lander, Seattle, Wash.
Bay City Forge Co., 1320 Cranberry, Erie, Pa.
Bethlehem Steel Co., S Bethlehem, Pa.
Camden Forge Co., Camden, N. J.
Commercial Drop Forge Co., Warren, Pa.
Cramp Wm. & Sons Ship & Engine Bldg. Bldg. Co., Beach & Ball, Phila, Pa.
Cruse-Crawford Mfg. Co., 2101H Av B, Birmingham, Ala.
De Laney Forge & Iron Co., Buffalo, N. Y.

(Continued on following page)

Forgings (Marine)—Continued

Drop Forging Co. of N. Y., 301 West Side av, Jersey City, N. J.
Duff Mfg. Co., Box 555, N. S., Pittsburgh, Pa.
See adv index at end of book
Erie Forge Co., Erie, Pa.
General Electric Signal Co., Dept. H, Rochester, N. Y.
Great Lakes Engineering Wks., Detroit, Mich.
Hamilton Wm. Sons Car Co., Dept. H, Newark, O.
Heppenstall Forge & Knife Co., 47th & Hatfield, Pittsburgh, Pa.
Isaacson Iron Works, 2912 E Marginal Way, Seattle, Wash.
Kropp Forge Co., 5301 Roosevelt rd, Chicago
See adv index at end of book
Lakeside Forge Co., Erie, Pa.
Leard Wm. Co., 16th & 5th av, New Brighton, Pa.
Lowden Jas. W. Forge Shop, 7 Zeno pl, San Francisco, Cal.
Midvale Co., Nicetown, Phila., Pa.
Murray Bros. Machine Works, 231 - 233 Folsom, San Francisco, Cal.
Nelson Forge Works, 231 E Water, Portland, Ore.
Pacific Coast Forge Works, 43 Gilbert, San Francisco, Cal.
Pittsburgh Forge & Iron Co., Pittsburgh, Pa.
Pollack Steel Co., 336 W 71st Carthage, Cincinnati, Ohio
Riley John F Fndry & Mach. Co., Charleston, S. C.
Riverside Iron Wks., Charleston, S. C.
Stolz Jos. & Son Inc., Commerce av & W 170th, New York
Tacony Steel Co., Franklin Bank bldg, Phila., Pa.
Titusville Forge Co., Titusville, Pa.
Union Construction Co., Balfour bldg, San Francisco, Cal.

4955—Forgings (Monel Metal)

American Bolt Corp., 17 Battery pl, New York
Am. Brass Products Co., Pottstown, Pa.
American Forge & Machine Co., Canton O.
AUTOSCREW CO. (& Nickel; Castings and Forgings machined to order; screws & nuts in stock), 355 W Broadway, New York
See adv index at end of book
Bethlehem Steel Co., Bethlehem, Pa.
Biggs Boiler Works, Akron, Ohio
Bliss, E. W., 19 Adams, Brooklyn, N. Y.
Bonney Forge & Tool Works, Allentown, Pa.
Brill Co., J. G., Philadelphia, Pa.
Central Forging Co., Catawissa, Pa.
Columbus Anvil & Forge Co., Columbus, O.
Detroit Forging Co., Detroit, Mich.
Drop Forging Co. of N. Y., 301 West Side av, Jersey City, N. J.
Duff Mfg. Co., Box 555, N. S., Pittsburgh, Pa.
See adv index at end of book
Eagle Brass Foundry Co., 21 Spokane, Seattle, Wash.
Edwards Mfg. Co., Cincinnati, O.
Everitt Co., 275 Franklin, Boston 9, Mass.
General Drop Forge Co., Buffalo, N. Y.
General Electric Signal Co., Dept. H, Rochester, N. Y.
Great Lakes Forge Co., 14 E. Jackson blvd, Chicago, Ill.
Greenlie Halliday Co., 499 Water, New York
Harley Co., The, Page blvd., Springfield, Mass.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Kell, C. N., 55 S. Tremont, Pittsburgh, Pa.
Kiechler Mfg. Co., Cincinnati, Ohio
Kraeuter & Co., Inc., Newark, N. J.
Marion Forged Products Co., Marion, Ind.
McWilliams & Sons, John, 934 West Side av, Jersey City, N. J.
Merrill Bros., Maspeth, L. I., N. Y.
Mesker & Clark, Cleveland, Ohio
Mesta Machine Co., West Homestead, Pa.
Nilson-Miller Co., 50 13th, Hoboken, N. J.
Pacific Foundry Co., Harrison & 18th, San Francisco, Cal.
Pennsylvania Forge Co., Ashland & Bath, Phila., Pa.
Reeves Bros. Co., Alliance, Ohio
Rochester Forge, Inc., Rochester, N. Y.
Schwartz Mill Supply Co., Inc., Edward, 520 Toulouse, New Orleans, La.
Standard Shipbuilding Corp., Staten Island, N. Y.
Steel Improvement & Forge Co., Cleveland, Ohio
Steel Sales Corp., 129 S Jefferson, Chicago, Ill.
Sterling Drop Forge Co., Cicero, Ill.
Strieby & Foote Co., 301 Ogden, Newark, N. J.
Storms Drop Forging Co., E. Springfield, Mass.
Thompson Drop Forge Co., Plantsville, Conn.
Tull Rubber & Supply Co., J. M., 150 Marietta, Atlanta, Ga.
Union Switch & Signal Co., Drop Forge Div., Swissvale, Pa.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
Whitehead Metal Products Co., 67 Washington, N. Boston, Mass.
Whitehead Metal Products Co. of New York Inc., 261 Canal, New York
Williams & Co. Inc., 901-937 Penna av, Pittsburgh, Pa.
Williams J. H. & Co., 400 Vulcan, Buffalo, N. Y.
Worcester Pressed Steel Co., Worcester, Mass.

4956— Forgings (Nickel Steel)

Allegheny Forging Co., Keenan bldg, Pittsburgh, Pa.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Forge Works, 1428 13th, Denver, Colo.
Am. Forging Co., Clifton, N. J.
Am. Nickel Corp. (Pure), Clearfield, Pa.
Bay City Forge Co., 1820 Cranberry, Erie, Pa.
Bethlehem Steel Co., South Bethlehem, Pa.
Billings & Spencer Co., Hartford, Conn.
Blakeslee Forging Co., Plantsville, Conn.
Bonney Forge & Tool Works (Chrome), Tilghman, Allentown, Pa.
Boston Forge Co., E. Boston, Mass.
Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
Carpenter Steel Co. (Nickel Chrome Steel), Reading, Pa.
Champion Machine & Forging Co., 3690 E 78th, Cleveland, O.
See adv index at end of book
Clapp E. D. Mfg. Co., 300 Genesee, Auburn, N. Y.
Columbus Forge & Iron Co., Columbus, O.
Crescent Forgings Co., Oakmont, Pa.
Crowley John A. Co., 120 Liberty, New York
Crucible Steel Co. of America, 17 E 42nd, New York
Driggs-Seabury Ordnance Co., Sharon, Pa.
Drop Forgings Co. of N. Y., 301 West Side av, Jersey City, N. J.
Duff Mfg. Co., Box 555, N. S., Pittsburgh, Pa.
See adv index at end of book
Duke Steel Co., Inc., 191 Pearl, New York
Fulton Drop Forge Co., Canal Fulton, O.
General Drop Forge Co., 1738 Elmwood av, Buffalo, N. Y.
General Railway Signal Co., Dept. H, Rochester, N. Y.
Heppenstall Forge Co., Bridgeport, Conn.
Kropp Forge Co., 5301 Ravenswood, Chicago, Ill.
Laclede Steel Co., Arcade bldg. Forging Plant, East St. Louis, Ill.
Ladish Drop Forge Co., Cudahy, Wis.
Lakeside Forge Co. ("Lakeside"), Erie,
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
Midvale Steel & Ordnance Co., Widener bldg, Phila., Pa.
Morgan Engineering Co., Alliance, O.
Ohio Forge Co., Cleveland, O.
Park Drop Forge Co., 760 E 79th, Cleveland, O.
Pollak Steel Co. (The), 336 W. 71st, Carthage, Cincinnati, O.
Richmond Forgings Corp., Richmond, Va.
Riverside Metal Co., Riverside, N. J.
Rochester Forge Inc., 30H Sherer, Rochester, N. Y.
Strieby & Foote Co., 301 Ogden, Newark, N. J.
The Hammond Steel Co., Inc. (Chrome Nickel Steel, Solvay, N. Y.
Tindel-Morris Co., Eddystone, Pa.
Tioga Steel & Iron Co., 52nd & Grays, Phila., Pa.
Titusville Forge Co., Titusville, Pa.
Union Drop Forge Co., 358 W Grand av, Chicago, Ill.
Union Switch & Signal Co., Swissvale, Pa.
Vulcan Steam Forging Co. (Chrome), 351 Rano, Buffalo, N. Y.
Warren Axe & Tool Co., Warren, Pa.
Wharton Wm. Jr. & Co., Inc., Easton, Pa.
Williams J. H. & Co., 400 Vulcan, Buffalo, N. Y.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.
Wyman-Gordon Co., 105 Madison, Worcester, Mass.
Yuba Mfg. Co., Insurance Exch. bldg, San Francisco, Cal.

4956a—Forgings (Pipe Flanged)

Cleveland Drop Forge Co., 3303 Superior av, Cleveland, Ohio
Standard Forgings Co., 30H E Jackson, Chicago, Ill.
Tioga Steel & Iron Co., 52d & Grays, Phila., Pa.
Union Switch & Signal Co., Swissvale, Pa.
Wharton Wm. Jr. & Co., Inc., Easton, Pa.

4957— Forgings (Press)

Emsco Press Forging Co., Boyle av nr Slauson, Los Angeles, Cal.
Isaacson Iron Works, 2912 E Marginal Way, Seattle, Wash.
Pollak Steel Co. (The), 336 W. 71st, Carthage, Cincinnati, O.
Rome Mfg. Co., Inc. ("Rome" Die), Rome, N. Y.
Tioga Steel & Iron Co., 52d & Grays, Phila., Pa.
Union Construction Co., Balfour bldg, San Francisco, Cal.
Wharton Wm. Jr. & Co., Inc., Easton, Pa.

4957a— Forgings (Pump)

Kropp Forge Co., 5301 Roosevelt rd, Chicago
See adv index at end of book

4957b— Forgings (Railroad)

American Car & Foundry Co., St. Louis, Mo.
Bethlehem Steel Co., Bethlehem, Pa.
Brill J. G. Co., 62nd & Woodland av, Phila, Pa.
Camden Forge Co., Camden, N. J.
Commercial Drop Forge Co., Warren, Pa.
Crucible Steel Forge Co., 6609 Grant av, Cleveland, Ohio
Drop Forging Co. of N. Y., 301 West Side av, Jersey City, N. J.
Duff Mfg. Co., Box 555, N S, Pittsburgh, Pa. *See adv index at end of book*
Electric Steel & Forge Co., 6600 Grant av, Cleveland, Ohio
Forged Steel Wheel Co., Pittsburgh, Pa.
General Railway Signal Co., Dept. H, Rochester, N. Y.
Kropp Forge Co., 5301 Roosevelt rd, Chicago
See adv index at end of book
Manistee Iron Works Co., Manistee, Mich.
Modern Die & Drop Forge Co., H, 139th, Blue Island, Ill.
Mount Vernon Car Mfg. Co., Mt. Vernon, Ill.
Murphy Timothy Iron Works, Jacksonville, Ila.
New York Switch & Crossing Co., Hoboken, N. J.
Pollak Steel Co. (The), 336 W. 71st, Carthage, Cincinnati, O.
PRESTON MOTORS CORP. 24th & 27th, Av N, Birmingham, Ala.
See adv index at end of book
Ramapo Iron Works, Hillburn, N. Y.
Standard Forgings Co., 30H E Jackson, Chicago, Ill.
Steel Car Forge Co., Pittsburgh, Pa.
Stolz Jos. & Son Inc., Commerce av & W. 170th, New York
Tacony Steel Co., Franklin Bank bldg, Phila., Pa.
Wason Mfg. Co., Springfield, Mass.
Western Steel Car & Foundry Co., Farmers Bk. bldg, Pittsburgh, Pa.

4958—Forgings (Seamless Steel)

Bethlehem Steel Co., Bethlehem, Pa.
Carpenter Steel Co., Reading, Pa.
Duke Steel Co., Inc., 191 Pearl, New York
Pacific Coast Forge Works, 43 Gilbert, San Francisco, Cal.
Williams J. H. & Co., 400 Vulcan, Buffalo, N. Y.

4958a— Forgings (Ship)

Am. Forging Co., Clifton, N. J.
Anniston Steel Co., Anniston, Ala.
Bethlehem Steel Co., Bethlehem, Pa.
Henderson Shipbuilding Co., Mobile, Ala.
Isaacson Iron Works, 2912 E Marginal Way, Seattle, Wash.
Murphy Timothy Iron Works, Jacksonville, Pla.
Nelson Iron Works, 45 Spokane av, Seattle, Wash.
Pollak Steel Co. (The) (Builders, Lake & Ocean), 336 W. 71st, Carthage, Cincinnati, O.
Riley John F. Fndry & Mach. Co., Charleston, S. C.
Union Construction Co., Balfour bldg, San Francisco, Cal.
Wharton Wm Jr. & Co., Inc. (Hammered & Pressed), Easton, Pa.

4958b—Forgings (Spindles & Arbors)

Bay City Forge Co., 1820H Cranberry, Erie, Pa.
Commercial Drop Forge Co., Warren, Pa.
Duke Steel Co., Inc., 191 Pearl, New York
Johnston & Jennings Co., Addison rd & N. Y. C. RR., Cleveland, Ohio
Leard Wm. Co., 16th & 5th av, New Brighton, Pa.

4959—Forgings (Switch Rope)

Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
WILCOX CRITTENDEN & CO. INC., 444 S Main, Middletown, Conn.
See adv index at end of book

4959a—*Forgings (Tobin Bronze)

Bethlehem Steel Co., Bethlehem, Pa.
Williams J. H. & Co., 400 Vulcan, Buffalo, N. Y.

4960—Forgings (Telegraph & Telephone Pole)

Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Duff Mfg. Co., Box 555, N. S., Pittsburgh, Pa.
See adv index at end of book
Marine Hardware Equipment Co., South Portland, Maine

4960a1—Forgings (Tractor)

Bethlehem Steel Co., Bethlehem, Pa.
Billings & Spencer Co., Dept. H, Hartford, Conn.
Bonney Forge & Steel Works, Tilghman, Allentown, Pa.
CHAMPION MACHINE & FORGING CO., 3690 E 78th, Cleveland, O.
See adv index at end of book
Commercial Drop Forge Co., Warren, Pa.
Duff Mfg Co., N. S., Pittsburgh, Pa.
See adv index at end of book
Eagle Bolt & Forging Co., 1435 E 45th, Cleveland, Ohio
General Railway Signal Co., Dept. H, Rochester, N. Y.
KROPP FORGE CO., 5301 Roosevelt rd, Chicago
See adv index at end of book
McMyler-Interstate Co. (The), Cleveland, Ohio *See adv index at end of book*
Pettis W. W. Co., 416 First National Bank bldg., Cincinnati, O.
Pollak Steel Co. (The), 886 W. 71st, Carthage, Cincinnati, O.
Steel Improvement & Forge Co., 5003 Windsor av, Cleveland, Ohio
Williams J. H. & Co., 400 Vulcan, Buffalo, N. Y.

Forgings (Upsetting Machinery)

See Forgings (Machinery, Upset)

4960b— Forgings (Valve)

KROPP FORGE CO., 5301 Roosevelt rd, Chicago
See adv index at end of book

4961—Forgings (Vanadium Steel)

Allegheny Forging Co., Keenan bldg, Pittsburgh, Pa.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Am. Bridge Co., 71 B'way, New York
American Forge Works, 1428 13th, Denver, Colo.
American Forging Co., Clifton, N. J.
American Locomotive Co. (Locomotive, etc), 30 Church, New York
Bethlehem Steel Co. (General & Drop Forgings), S Bethlehem, Pa.
Blakeslee Forging Co., Plantsville, Conn.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Carnegie Steel Co. (Locomotive & General), **Carnegie bldg, Pittsburgh, Pa.**
Crescent Forgings Co. (Drop Forgings), Oakmont, Pa.
Crowley John A. Co., 120 Liberty, New York
Crucible Steel Co. of America, 17 E 42nd, New York
Damascus Crucible Steel Casting Co., New Brighton, Pa.
Davis Sewing Mach. Co., Dayton, O.
Driggs-Seabury Ordnance Co. (Drop Forgings), Sharon, Pa.
Drop Forging Co. of N. Y., 301 W. Side av, Jersey City, N. J.
Duff Mfg. Co., Box 555, N. S., Pittsburgh, Pa.
See adv index at end of book
Duke Steel Co., Inc., 191 Pearl, New York
Erie Forge Co. (General Forgings), Erie, Pa.
Frost Gear & Forge Co. (Drop Auto Axles, Crankshafts), Jackson, Mich.
General Drop Forge Co (Drop Forgings), 1738 Elmwood av, Buffalo, N. Y.
General Railway Signal Co., Dept. H, Rochester, N. Y.
Hamilton Wm. Sons Car Co., Dept. H, Newark, O.
Johnston & Jennings Co., Addison rd & N Y. C. R. R., Cleveland, O.
Ladish Drop Forge Co., Cudahy, Wis.
Marine Hardware Equipment Co., South Portland, Maine.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
Moore Drop Forging Co., Springfield, Mass.
Morgan Engineering Co., Alliance O.
Ohio Forge Co., Cleveland, O.
Pollak Steel Co. (The), 886 W. 71st, Carthage, Cincinnati, O.
Richmond Forgings Corp., Richmond, Va.
Standard Steel Works Co. (Locomotive, etc), Morris bldg, Phila., Pa.
Strieby & Foote Co., 301 Ogden, Newark, N. J.
Tioga Steel & Iron Co., 52nd & Grays, Phila., Pa.
Titusville Forge Co. (General Hammered or Pressed), Titusville, Pa.
Transue & Williams Steel Forging Corp. (Drop Forgings), Alliance, O.
Union Switch & Signal Co., Swissdale, Pa.
Vanadium Corp. of Amer., Equitable bldg, New York
Vulcan Steam Forging Co., 251 Rano, Buffalo, N. Y.
Wharton Wm. Jr. & Co., Inc., Easton, Pa.
Williams J. H. & Co. (Drop-Forgings), 400 Vulcan, Buffalo, N. Y.
Wyman-Gordon Co. (Drop Forgings), 105 Madison, Worcester, Mass.

4962— Forks (Alfalfa)

Milwaukee Hay Tool Co., Milwaukee, Wis.
Myers F. E. & Bro., 950 Orange, Ashland, Ohio
See adv index at end of book
Ney V. L. Hay Tool Co., Canton, O.
Strickler Hay Tool Co., Janesville, Wis.

4963-4—Forks (Ballast, Coal, Coke, Stone, Etc.)

American Fork & Hoe Co., Swetland bldg, Cleveland, O.
American Shovel & Stamping Co., Lorain, Ohio
Beall Bros. (Inc.), Alton, Ill.
Browning Co., E 162nd & Waterloo rd N E, Cleveland, Ohio
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Union Fork & Hoe Co., Columbus, O.
Wallingford Mfg. Co., Wallingford, Vt.

4965-6— Forks (Corn)

Vaughan Novelty Mfg. Co., 711 Fulton, Chicago, Ill.

4967— Forks (Flesh)

Auer John Jr., 197 Middleton, Brooklyn, N. Y.
Cassady Fairbank Mfg. Co. (Wire), 6126 S La Salle, Chicago, Ill.
Central Stamping Co. (Forged, Retinned), 206 B'way, New York
Hills Edward, Plainville, Conn.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Michigan Wire Goods Co., Niles, Mich.
National Enameling & Stamping Co., 411 5th av, New York

4968— Forks (Garden)

Hills Edward, Plainville, Conn.
Potter Mfg. Co. (Small Malleable Iron), Geneva, O.
Sargent & Co., New Haven, Conn.

4969— Forks (Hand)

American Fork & Hoe Co. ("True Temper" Coal, Coke, Beet, Barley, Corn, Potato, Straw, Stone, Stable, Tanner, Manure, Hedder, Hay, Sluice, Spading, Vegetable, Scoop, etc), Swetland bldg, Cleveland, O.
American Shovel & Stamping Co., Lorain, Ohio
Anderson W. H. Tool & Supply Co. (Clay), Franklin & Dubois, Detroit, Mich.
Hills Edwin (Spading), Plainville, Conn.
Hubbard & Co., 63d & Butler, Pittsburgh, Pa.
Union Fork & Hoe Co. ("Farm King," "Vulcan," Grain, Hay, Manure, Coke, Coal, Stone, Sluice, Ensilage, Spading, Hedder, Barley, Beet, Potato, Digging, Tanners, etc), Columbus, O.
Wallingford Mfg. Co. (Hay, Hedder, Manure, etc), Wallingford, Vt.

4970— Forks (Hay, Derrick)

Jackson Byron Iron Works, Berkeley, Cal.
Milwaukee Hay Tool Co., Layton Park, Milwaukee, Wis.
Myers F. E. & Bro. ("Jackson" & "California"), 950 Orange, Ashland, Ohio
See adv index at end of book
Ney Mfg. Co., Canton, O.
Porter J. E. Co., Ottawa, Ill.
Syracuse Chilled Plow Co., Syracuse, N. Y.

4971—Forks (Hay, Grapple & Harpoon)

Appleton Hay Tool Co. ("Miller Eagle"), Appleton, Wis.
Farrell Jno. & Son ("Farrell" Grapple), Newton, N. J.
Goshen Mfg. Co. (Harpoon), Goshen, Ind.
Hunt, Helm, Ferris & Co. (Grapple & Harpoon), Harvard, Ill.
Louden Machinery Co. (Grapple & Harpoon), Fairfield, Iowa
Milwaukee Hay Tool Co. (Derrick, Double, "Harris," "Milwaukee," "Nellies," Grapple & Harpoon), Layton Park, Milwaukee, Wis.
Myers F. E. & Bro. ("Myers" Double Harpoon & Grappling Harpoon, "Harris" Double Harpoon, "Nellis" Single Harpoon, "Myers" Grapple Fork, Automatic Grapple Forks & "Perfect" Automatic Grapple Forks), 950 Orange, Ashland, Ohio
See adv index at end of book
Ney V. L. Co. (Harpoon), Canton, O.
Porter J. E. Co. ("Porter's" "Acme," "Harris," "Nellis" Grapple & Harpoon), Ottawa, Ill.
Strickler Hay Tool Co. ("Strickler" Grapple & Harpoon), Janesville, Wis.
Swineford G. A. Co. ("Harris," "Nellis," "Walker"), Canton, O.
Syracuse Chilled Plow Co. ("Syracuse" Grapple & Harpoon), Syracuse, N. Y.
U. S. Wind Engine & Pump Co. ("Noyes," "U. S." Grapple & Harpoon), Batavia, Ill.
Whitaker Mfg. Co. ("Jackson," "Nellis," "Whitaker" Grapple & Harpoon), 409 S Green, Chicago, Ill.

4972-3—Forks (Hay, Lock Lever)

Hunt, Helm, Ferris & Co., Harvard, Ill.
Myers F. E. & Bro., 950 Orange, Ashland, Ohio
See adv index at end of book
Taplin Mfg. Co., New Britain, Conn.

4974— Forks (Meat)

White Ira F. & Son Co., Bloomfield, N. J.

4975— Forks (Rail)

Beal Bros. (Inc.), Alton, Ill.
Hubbard & Co., 63d & Butler, Pittsburgh, Pa.
Iron City Tool Works, Ltd. (Steel), 3201 Smallman, Pittsburgh, Pa.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Stanley Rule & Level Co. (Atha Division), New Britain, Conn.
Union Drop Forge Co., 358 W Grand av, Chicago, Ill.
Verona Tool Works (Steel), Verona, Pa.
Warwood Tool Co., 19th, Warwood, Wheeling, W. Va.

4976— Forks (Rising)

Columbus Handle & Tool Co. ("Never Break"), Columbus, Ind.
Dicke Tool Co., Downers Grove, Ill.
Ransome Concrete Machine Co., Dunellen, N. J.

4977— Forks (Stable, Wood)

Torrey Bros. Co., Central Village, Conn.

4978— Forks (Tedder)

American Shovel & Stamping Co., Lorain, Ohio
Gibson Wm. D. Co., 1800 Clybourn av, Chicago, Ill.
Glogau & Co., Great Lakes bldg, Chicago, Ill.
Mason F. C. & Co., St. Johns, Mich.

Forks (Trolley)

See Harps, Trolley

4979-80— Forks (Vegetable)

Browne & Dowd Mfg. Co., Meriden, Conn.
Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Knickerbocker Mfg. Co. (Long Meat or Vegetable), Belleville, N. J.
Meriden Cutlery Co., Meriden, Conn.
Michigan Wire Goods Co., Niles, Mich.
Washburn Co. (Andrews Division), Preston, Rockford, Ill.

4981— Forks (Wire Kitchen)

Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Parker Wire Goods Co. (Pie Cooking, etc), Worcester, Mass.
Pioneer Wire Works, 133-135 Federal, Camden, N. J.
See adv index at end of book
Wickwire Spencer Steel Corp., 41 E 42d, New York *See adv index at end of book*
Woods-Sherwood Co. (Oyster, Pickle, Toast, etc), 28 Union, Worcester, Mass.

4982— Forks (Wood)

Chapman-Sargent Co. (Kraut, etc), Piqua, Ohio
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

4982a— Form Letters

BUCKLEY, DEMENT & CO., 300 Throop, cor Jackson blvd, Chicago, Ill.

4983— Formaldehyde

Cleveland Cliffs Iron Co., Rockefeller bldg, Cleveland, O.
Cooper & Cooper Inc., 23H Cliff, New York
Fergusson Alex. C. Jr., 474 Chestnut st, Phila., Pa.
See adv index at end of book
Gray William S. & Co., 30 Maiden lane, New York.
Greef R. W. & Co., (40 p. c. Vol U. S. P.), 76 Front, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Heyden Chemical Works, Garfield, N. J.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Miner Edgar Co., 110 Williams, New York
National Electrolytic Co., Inc. ("Niagara"), Niagara Falls, N. Y.
Perth Amboy Chemical Works, Perth Amboy, N. J.
Powers-Weightman-Rosengarten Co. (Solution), 916H Parrish, Phila., Pa.
RIDDLE CHEMICAL CO., 35 S Dearborn, Chicago
See adv index at end of book
ROESSLER & HASSLACHER CHEMICAL CO., 709 6th av, New York
See adv index at end of book
Sergeant E. H. Co., 131 Cedar, New York
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

4984-5—Forming Roll & Fitting (Combined)

Ryerson Jos. T. & Son, Inc. (For Spring Shop Work), 2558 W. 16th, Chicago, Ill. *See adv index at end of book*

4985a— *Forms (Balloon)

BOGERT & HOPPER INC., 5 Barclay, New York *See adv index at end of book*

Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

4986—Forms (Barrel Setting-Up)

Oram John S. Co., 5240 Hamilton av, Cleveland, O.

4986a—Forms (Concrete Construction)

BLAW-KNOX CO. (For large or small jobs, any type of concrete construction, including wells, sewers, tunnels, buildings, subways, dams, columns, etc), 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book

BLAW-KNOX CO.
681 Farmers Bank Building
PITTSBURGH, PA.
Manufacturers of
Steel Forms for Concrete Construction

Concrete Steel Co., 42 Broadway, New York

Heltzell Steel Form & Iron Co. (The), Warren, Ohio
See adv index at end of book

Steel Forms for
Concrete Construction
The Heltzell Steel Form & Iron Co.
WARREN, OHIO

Hydraulic Steelcraft Co., Hydraulic av, Cleveland, Ohio

Metal Forms Corp., 1440 Booth, Milwaukee, Wis.

Meyer Henry H. Co. (Dirs Road), 110 S Howard, Baltimore, Md.
See adv index at end of book

Steelform Contracting Co., Monadnock bldg, San Francisco, Cal.

4987—Forms (Curb & Sidewalk)

BLAW-KNOX CO., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book

BLAW-KNOX CO.
681 Farmers Bank Building
PITTSBURGH, PA.
Manufacturers of
Steel Forms for Roads and Streets

Heltzel Steel Form & Iron Co. (The), Warren, Ohio
See adv index at end of book

Hotchkiss Steel Products Co., Inc., Binghamton, N. Y.

Indiana Concrete Mold Co. ("Indiana"), Peru, Ind.

Littleford Bros., 444 E Pearl, Cincinnati, Ohio
See adv index at end of book.

Ubbink Joe ("Ubbink," Adjustable All Steel), Port Washington, Wis.

Zeiser Bros. ("Zeiser," Tie & Dividing Plates), Berwick, Pa.

4987a— Forms (Dress)

Ellaman Adjustable Dress Form Co., 380 Throop av, B'klyn, N. Y.

Hall Borchert Mfg. Co. (For Dressmakers & Costumes), 18 E. 41st, New York

Forms (Road & Street)

See Forms, Curb & Sidewalk

Forms (Sewer)

See Forms, Concrete Construction

4988-9—Forms (Sheet Metal, for Foundries)

Blaw-Knox Co., Freeport rd, Hoboken, Pa.

Burdick & Son, Albany, N. Y.

Gem Stopper Co., 2120 Nicholas av, Phila Pa.

4989a— Forms (Stocking)

BOGERT & HOPPER INC. (Wooden), 57 Barclay, New York
See adv index at end of book

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

Paramount Hosiery Form Drying Co., 337 W Madison, Chicago, Ill.

Phila. Metal Drying Form Co., 1756 Randolph, Phila., Pa.

Queen Mfg. Co. ("Queen"), 1647 N Winchester, Chicago, Ill.

Forms (Wall or Sewer)

See Forms, Concrete Construction

4990—Forms (Winding, Armature & Field Coil)

For Armature & Field Magnet Coils

Exeter Machine Works, Pittston, Pa.

4990a— Forms (Wire)

Austin & Smith Co., 164 Brewery, New Haven, Conn.

Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book

Eclipse Elec. Mfg. Co. (Lamp Shade), Raymond & University, St. Paul, Minn.

Lee Spring Co., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*

Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y.
See adv index at end of book

Paul & Fulton, Inc., 31 W Kinzie, Chicago, Ill.

Pioneer Wire Works, 133-135 Federal, Camden, N. J.
See adv index at end of book

STANDARD SPRING & MFG. CO., 237 42nd, Brooklyn, N. Y.
See adv index at end of book

Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book

4991— Fossil Flour

Chrystal Chas. B. Co. Inc. (Imp.), 13 Cliff, New York
See adv index at end of book

Doggett Stanley, 11 Cliff, New York

Hammill & Gillespie (Imp), 240 Front, New York

Salomon L. A. & Bro. (Imp), 216 Pearl, New York

Scheel Wm. H. (Imp.), 179 Water, New York *See adv index at end of book*

Whittaker, Clark & Daniels, Inc. (Imp.) 250 Front, New York

4992— Foundations

McMullen Arthur Co., 50H Church, New York

Macarthur Concrete Pile & Foundation Co. (Buildings), 55 John, New York

RAYMOND CONCRETE PILE CO., 140 Cedar, New York

Spencer, White & Prentis, 47H W. 42d, New York

Underpinning & Foundation Co. (Difficult), 342 Madison av, New York

Warwick Constn. Co. (Engine), 1043H W Harrison, Chicago, Ill.

Founders (Brass)

See Machinists & Founders marked with a ‡

Founders (Iron)

See Machinists & Founders marked with a †

Founders (Malleable Iron)

See Castings, Malleable Iron

4993—Foundry Facings & Supplies

Albany Sand & Supply Co., Albany, N. Y

American Lava Corp. (Talc Facings), Chattanooga, Tenn.

Asbury Graphite Mills (Facings), Asbury N. J.

Ashland Products Co., Ashland, Ohio

Bennett & Seeley, Inc., Bridgeport, Conn. Francisco, Cal.

Bloomsbury Graphite Co. (Facings) Bloomsbury, N. J.

Blue Ridge Talc Co. ("Blue Ridge" Soap stone Facings), Henry, Va.

Brand S. H. Co., 559 W Lake, Chicago, Ill

Brass Foundry Supply Co., Wilson av Newark, N. J.

BUCKEYE PRODUCTS CO., INC. ("Buckeye"), 915-917 W 5th, Cincinnati, Ohio
See adv index at end of book

Chicago Fire Brick Co., 133 W Washington, Chicago, Ill.

Cohutta Talc Co. (Cream Soapstone Facings), Dalton, Ga.

Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*

Combined Supply & Equipment Co., 766-772 Grant, Buffalo, N. Y.

Cragin & Co. (Dirs.), 932 1st av S, Seattle, Wash.

Crivel Geo. F. & Co., Ellicott sq, Buffalo, N. Y.

Cutter & Wood Supply Co., 274 Friend, Boston, Mass.

Detroit Foundry Co., 1 E Grand blvd & Riopelle, Detroit, Mich.

Detroit Leather Works (Hand Leathers), 683 Lafayette av E, Detroit, Mich.

Diamond Clamp & Flask Co., 538 N 14th, Richmond, Ind.

Dixon Joseph Crucible Co. (Facings, etc), Jersey City, N. J.

Doggett Stanley (Soapstone Foundry Facings), 11 Cliff, New York

Donald Henry R. Sales Co., Milwaukee, Wis.

Federal Fdry. Supply Co. ("Federal" Steel Facings, etc.), 2639 E 79th, Cleveland, O.

Gautier J. H. & Co. (Graphite), 1 Greene, Jersey City, N. J.

Georgia Talc Co. (White & Yellow Facings), Asheville, N. C.

HILL & GRIFFITH CO., 1248 State, Cincinnati, O.; Birmingham, Ala.; Chicago, Ill. *See adv index at end of book*

Foundry Facings
Foundry Supplies
Foundry Equipment
Refiners of Graphite for ALL Purposes
High Grade Polishing and Buffing Compositions
The Hill & Griffith Co.
Chicago, Ill. Cincinnati, Ohio Birmingham, Ala.

Hoosier Supply Co., 148 S Delaware, Indianapolis, Ind.

Jones Enos F. Chemical Co. (Facings, etc), 51 Jay, New York

Keery Thos. Co. (Charcoal Facings), Hancock, N. Y.

Lookout Paint Mfg. Co., Chattanooga, Tenn.

McCormick J. S. Co. ("Vulcan" & "Ajax" Blacking), 25th & A. V. R. R., Pittsburgh, Pa.

McKellar's R. Sons Co., Peekskill, N. Y.

Midvale Mining & Mfg. Co., Central Nat'l Bank bldg, St. Louis, Mo. Works: East St. Louis, Ill.

Moltrup Steel Products Co. (Pattern Plates), 127H N Period, Beaver Falls, Pa.

National Engng. Co., 549 W. Washington blvd, Chicago, Ill.

NORTHERN BLOWER CO. (THE), Denison & W 65th, Cleveland, O.
See adv index at end of book

N. Y. Sand & Facing Co. (Facings, Sand, etc), 106 Grand av, Brooklyn, N. Y.

Obermayer S. Co. (Facings, etc.), 2563 W 18th, Chicago, Ill.

Osborn Mfg. Co. (Brushes & Supplies), 5401 Hamilton av, Cleveland, Ohio

Pacific Graphite Works (Facings), 40th & Linden, Oakland, Cal.

Pacific Tool & Supply Co. (Owned by Berger & Carter Co.), (Supplies), Fremont & Mission, San Francisco, Cal.

Paxson J. W. Co. (Facings & Supplies), Dept. H, Nicetown Lane & D, Phila., Pa.

Pa. Foundry Supply Co., Liberty bldg, Phila., Pa.

PETTINOS CHAS., 25 Church, New York

Pure Carbon Co. ("Gapho" Facings), Wellsville, N. Y.

Rumsey L. M. Mfg. Co., 4372 Westminster, St. Louis, Mo.

Seeger Machine Tool Co., 34 S Forsyth, Atlanta, Ga.

Smith Facing & Supply Co., 1857 Carter rd, Cleveland, O.

Snow & Gagliani, 537 2nd, San Francisco, Cal.

Snyder Foundry Supply Co., 2434 E 57th, Los Angeles, Cal.

SPRINGFIELD FACING CO. (Facings & General Supplies), 315 Main, Springfield, Mass.
See adv index at end of book

Squier Ed. E. Co. (Sand), Federal Reserve Bank bldg, St. Louis, Mo.

Stevens Frederic B., Inc. (Facings, Brick, Sand, etc.), 3rd & Larned, Detroit, Mich. *See adv index at end of book*

U. S. Chaplet & Supply Co., 140 Cedar, New York

United States Graphite Co. (Facings), Saginaw, Mich.

Wainwright Jno. C. (Facings Only), Spring City, Pa.

Whitehead Bros. Co. (Facings, etc), 537 W 27th, New York

Woodison E. J. Co., 7415H St. Aubin, Detroit, Mich.

4993a—*Foundry Flour Substitute

Hill & Griffith Co. ("Liberty"), 1248 State av, Cincinnati, O., & Birmingham, Ala. *See adv index at end of book*

Stevens Frederic B., Inc., 3rd & Larned, Detroit, Mich.
See adv index at end of book

FREDERIC B. STEVENS
Manufacturer
Foundry Facings and Supplies
Buffing Compositions and Platers' Supplies
Importer of Plumbago
Corner Larned and Third Sts.
DETROIT, MICH.
All Telephones Main 2470

4994—Foundry Plant Equipments

Acme Machine Co., 316-26 N 17th, Phila., Pa.
American Blower Co. (Heating & Ventilating), 1400 Russell, Detroit, Mich.
American Fdry. Equipment Co., The, 366 Madison av, New York
Bennett & Seeley, Inc., Bridgeport, Conn.
BUCKEYE PRODUCTS CO., INC., 915-917 W 5th, Cincinnati, O.
See adv index at end of book
Campbell-Hausfeld Co. ("Hausfeld"), Harrison, Ohio
Clarage Fan Co., North & Porter, Kalamazoo, Mich.
See adv index at end of book
Dopp J. W. & Co. (Dealers), 18 W Columbia, Detroit, Mich.
Industrial Equipment Co., Minster, Ohio
Lincoln Iron Works, Rutland, Vt.
Mac Leod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Magnetic Mfg. Co., 279 23rd av, Milwaukee, Wis. *See adv index at end of book*
Monarch Engineering & Mfg. Co., American bldg, Baltimore, Md.
NATIONAL ENGINEERING CO., 549 Washington blvd, Chicago, Ill.
New Foundry Appliance Co., Hamilton, O.
Northern Engineering Works, 210 Chene, Detroit, Mich.
Obermayer S. Co., 2563 W 18th, Chicago, Ill.
Osborn Mfg. Co., 5401 Hamilton av, Cleveland, Ohio
Paxson J. W. Co., Nicetown Lane & D, Phila., Pa.
Penn Foundry & Mfg. Co., Reading, Pa.
Scully Jones & Co., Railway Ex. bldg, Chicago, Ill.
Sly W. W. Mfg. Co., 4720 Train av, Cleveland, Ohio
Snyder Foundry Supply Co., 2434 E 57th, Los Angeles, Cal.
STERLING WHEELBARROW CO., Milwaukee, Wis.
See adv index at end of book
Stevens Frederic B., Inc., 3rd & Larned, Detroit, Mich.
See adv index at end of book
Superior Sand & Machine Co. (Core Sand Pulverizers), 5150 St. Clair, Cleveland, O.
Whiting Corp., Harvey, Ill.
Woodison E. J. Co., 1621 St. Aubin, Detroit, Mich.

4994a— Foundry Sand Handling Plants

BARTLETT & SNOW CO. C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
NATIONAL ENGINEERING CO., 549 W Washington blvd, Chicago, Ill.

4995— Fountain Pen Mfrs.

Adams, Cushing & Foster ("Moore's"), 110 Federal, Boston, Mass.
Aikin-Lambert Co. ("Mercantile" "Capitol" gold), 3 Dey, New York
Barnett Ira, 2396 B'way, New York
Beaumel D. W. & Co., 17 Vandewater, New York
Berk Bros., 543 Broadway, New York.
Caw's Pen & Ink Co. (Fountain, Gold, Stylographic. Mfrs of Caw's "Safety" Fountain Pen), 30 Church, New York
Century Pen Co., Whitewater, Wis.
Conklin Pen Mfg. Co. ("Conklin's," Self-Filling), Toledo, O.
Cross A. T. Pencil Co. (Also Stylographic), 53 Warren, Providence, R. I.
Davidson Rubber Co. ("Sterling" & "Hub"), Boston, Mass.
DU PONT E. I. DE NEMOURS & CO., INC., Poughkeepsie Plant (Pyralin), Poughkeepsie, N. Y.
See adv index at end of book
Eagle Pencil Co. (Fountain, Gold, Steel Stylographic), 703 E 13th, New York
Faber Eberhard (Gold, Fountain), 200 Fifth av, New York
Franklin Fountain Pen Co., 51 N 10th, Phila., Pa.
Gem Fountain Pen Corp. ("Gem"), 59 Park pl, New York
Grieshaber Pen Co. (Gold), 329 Plymouth ct, Chicago, Ill.
Heath Geo. W. & Co., 208 1st, Newark, N. J.
Hillinger R. J. & Co., 10 S Wabash av, Chicago, Ill.
Horn M. T. Co., 114 Park pl, New York
Laughlin Mfg. Co., 213 Mey. bldg, Detroit, Mich.
Mabie, Todd & Co. ("Swan" Gold), 17 Maiden la, New York
Modern Pen Co., 17 Battery, New York
Parker Pen Co., Janesville, Wis.
Salz Bros. ("Peter Pan" Stylographic), 71 W 35th, New York
Sanford Pen Co. Inc. ("Commercial" "Autopen" "Automat" "Gravity Stylo"), 16-18 Concord, Brooklyn, N. Y.
Sheaffer, W. A. Pen Co., Ft. Madison, Ia.
Standard & Vulcanite Pen Co. ("Gem" Self-Filling), 809 Lexington av, Brooklyn, N. Y.
Ullrich J. & Co. (Fountain, Stylographic), 161 Washington, New York
Wahl Co. ("Wahl"), 1800 Roscoe, Chicago, Ill.
Waterman L. E. Co. ("Ideal"), 191 B'way, New York
Wayne Specialty Co. ("Gilbert" Stylographic), Fort. Wayne, Ind.
Weber Co. F., 1220 Buttonwood, Philadelphia, Pa.
Welty Wm. A. ("Welty" Self-Filling & No Leak), Waterloo, Ia.
Willard Pen Co., 170 5th av, New York
Williamson Pen Co., Janesville, Wis.
Wirt Paul E., Bloomsburg, Pa.

4996—Fountains (Drinking, Sanitary)

See also Fountains, Vases, etc.

Aird-Don (Porcelain), Troy, N. Y.
Allen Filter Co., Toledo, O.
Ashton Valve Co. ("Ashton," Bubbling Attached to Sink or Bowl), 161 First, Cambridge, Boston, Mass.
Barrett James Mfg. Co. ("Purity," Self-Closing Bubbling), 117 Pearl, Boston, Mass.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Camden Pottery Co. (Vitreous China), Camden, N. J.
Casey-Hedges Co., Chattanooga, Tenn.
Century Brass Works, Inc. ("Century" Sanitary, Pressure, Sanitary & Ice Cooled), 900 N Illinois, Belleville, Ill.
Chicago Faucet Co. ("Chi-Fau-Co"), 2712 N Crawford av, Chicago, Ill.
Clow Jas. B. & Sons (Self Closing & Bubbling), 534 S Franklin, Chicago, Ill.
Cordley & Hayes, 32 Leonard, New York
Crane Co. (Porcelain, Porcelain Enameled Iron, Vitreous China, etc., "Ainslee," "Alcove," "Altruria," "Avolyn," "Colonia," "Creta," "Dolphin," "Ebur," "Florian," "Integro," "Iona," "Luxton," "Media," "Pergola," "Recess," "Thespian," "Suspendo," "Tyrone," "Durus," "Nedus," "Woodslee," "Ford," "Portland," "Arcus"), 836 Michigan av, Chicago, Ill.
See adv index at end of book
Crane Enamelware Co. ("Southern Beauty"), 14th & Chestnut, Chattanooga, Tenn.
Dalton-Ingersoll Mfg. Co., 365 Atlantic av, Boston, Mass.
Douglas John Co. (Vitreous China), Carthage, Cincinnati, O.
Du Bois F. N. & Co. (Porcelain), 247 9th av, New York
Ebinger D. A. Sanitary Mfg. Co. ("Ebco" Bubbling), 181 Luces, Columbus, O.
Edwardsville Brass Co., Edwardsville, Ill.
Federal-Huber Co. (Porcelain), 234 N Halsted, Chicago, Ill.
Fords Porcelain Wks., Perth Amboy, N. J.
Glauber Brass Mfg. Co. ("Practicool"), 79th & Platt av, Cleveland, Ohio
Haines, Jones & Cadbury Co. ("Hajoca" Porcelain Enameled), 1136 Ridge av, Phila., Pa.
Haws Sanitary Faucet Co., 1808 Harmon, Berkeley, Cal.
Hayes Pump & Planter Co. ("Hayes" Rubber Attachment for Hand Pumps), Galva, Ill.
Imperial Brass Mfg. Co., 1200 W. Harrison, Chicago, Ill.
Jencks H. F. Co., Pawtucket, R. I.
Kaustine Co., Inc. ("Kaustine"), Niagara Life bldg, Buffalo, N. Y.
Knott L. E. Apparatus Co. ("Keiths" Boston Bubbler, Automatic Bubbling), 79 Amherst, Cambridge, Mass.
Kohler Co. ("Minnehaha" Porcelain Enameled Iron, Automatic or Continuous Flow), Dept. H, Kohler, Wis.
Loeber Hy. G. Co., 151 E 126, New York
McDonald A. Y. Mfg. Co. (Porcelain Vitreous China, etc.), Dubuque, Ia.
Maddocks Thomas Sons Co. ("Madside" Vitreous China, Bubbling), Ewing & Perry, Trenton, N. J.
Manufacturing Equipment & Engineering Co. ("Meeco," Bubbling), 136 Federal, Framingham, Mass.
March-Tenny Co. ("Natural Spring" Bubbling Attached to Sinks, etc.), Muskegon H'gts, Mich.
Meyer-Sniffen Co. (Porcelain), 11 W 48th, New York
Monument Pottery Co. (Porcelain), Trenton, N. J.
Mott J. L. Iron Works ("Crystal Stream" & "Purita" Self-Closing Bubbling; Porcelain, Porcelain Enameled, Vitreous China, etc.), Trenton, N. J.
Mueller H. Mfg. Co. (Wall & Lavatory), Decatur, Ill.
See adv index at end of book
Murdock Mfg. & Supply Co., 426 Plum, Cincinnati, O.
Myers & Mahoney Plumbing Co. ("Mahoney" Self-Closing Bubbling, Attached to Sink, etc.), Portland, Me.
Nelson N. O. Mfg. Co. ("Nelson" Self-Closing Bubbling, Solid Porcelain, etc.), 10th & Chestnut, St. Louis, Mo.
Pacific Sanitary Mfg. Co., 67 New Montgomery, San Francisco, Cal.
Peck Bros. & Co. ("P. B" Bubbling), New Haven, Conn
Prier Brass Mfg. Co. ("Brady"), 15th & Blue River, Kansas City, Mo.
Puro Sanitary Drinking Fountain Co. (Bubbling), Haydenville, Mass.
Resolute Pottery Co. (Porcelain), Trenton, N. J.
Rochester Germicide Co., 16 Dowling pl, Rochester, N. Y.
Rundle-Spence Mfg. Co. ("Rundle-Spence" Solid Porcelain, Self-Closing Bubbling, etc), 63 2nd, Milwaukee, Wis.
Safety First Supply Co., 107 Third av, Pittsburgh, Pa.
Sanitary Earthenware Specialty Co. (Vitreous China), Trenton, N. J.
Sanitas Mfg. Co. ("Sanitas" Bubbling, Attached to Sink, etc; also Porcelain, Porcelain Enameled, etc), 105 Washington, Boston, Mass.
Smith F. P. Wire & Iron Works, 2346-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Smith System Heating Co. (Bubble Type), 212 S E Ontario, Minneapolis, Minn.
Standard Sanitary Mfg. Co. (Porcelain Enameled), Bessemer bldg, Pittsburgh, Pa.
Superior Iron Works Co., Superior, Wis.
Taylor Halsey W. Co. ("Puritan"), Warren, O.
Trenton Potteries Co. ("Waldo, Jr." Porcelain & Vitreous China Pedestal. Syphons Automatically), Trenton, N. J.
Walker Mfg. & Supply Co. (Porcelain), Shelby & Woodbridge, Detroit, Mich.
Welch W. M. Scientific Co. (Bubbling), 1516 Orleans, Chicago, Ill.
West Coast Porcelain Mfrs. ("West Coast"), Millbrae, Cal.
Wheaton A. W. Brass Works (Sanitary Self-Closing Bubbling), 110 Walnut, Newark, N. J.

4997— Fountains (Poultry)

Baier Bros. Mfg. Co., Cissna Park, Ill.
Casey Hedges Co. ("Audubon" Bird), 25th & Chestnut, Chattanooga, Tenn.
Dayton Toy & Specialty Co., Dayton, O.
Delphos Mfg. Co. (Galvanized), 1st & Pierce, Delphos, O.
Milwaukee Corrugating Co. ("Thermo"), 35th & Burnham, Milwaukee, Wis.
National Enameling & Stamping Co. ("Nesco"), 411 5th av, New York
Northwestern Stamping Co., Burlington, Ia.
Oakes Mfg. Co. ("Economy," "O. K."), Tipton, Ind.
Pa. Stamping Co. ("Keystone"), York, Pa.
Reynolds H. B. Mfg. Co., Fredericktown, Ohio
Richmond Water Softener Co., Richmond, Ind.
Weber & Kirch Mfg. Co., Keokuk, Ia.

4998—Fountains (Soda Water)

Alderson Sheet Metal Products (Root Beer Barrels), 919 8th, Sacramento, Cal.
American China Co. (Ready Set Tile Soda Counters), Phillips bldg, Los Angeles, Cal.
American Mfg. Co., 160 S 2d, Memphis, Tenn.
American Soda Fountain Co. (Iceless), 282 Congress, Boston, Mass
Atlas Soda Fountains Co., 454 N Halsted, Chicago, Ill.
Barth L & Son (Dirs), H Cooper sq, New York
Bastian-Blessing Co., 240 E Ontario, Chicago, Ill.
See adv index at end of book
Best Mfg. Co., Peoria, Ill.
Bishop & Babcock Co. ("Red Cross"), 1204 E 55th, Cleveland, O.
Chicago Fountain Soda Water Co., 1140 W Harrison, Chicago, Ill.
Chicago Soda Fountain Co., 1301 Larrabee, Chicago, Ill.
Combination Fountain Co., Decatur, Ill.
Commercial Fixture Co., 914 S Alameda, Los Angeles, Cal.
Decatur Fountain Co., Decatur, Ill.
Federal Brass Works, 3100 S Kedzie, Chicago, Ill.
Fountain Specialty Co. ("Guarantee" Iceless), Grand Haven, Mich.
Grauman L. Co., 1431 15th, Denver, Colo.
Green Robt. M. & Sons, 1413 Vine, Phila., Pa.
Knight Light & Soda Fountain Co. "Knight," "Knight All-White Sta-Kleen," "Knight Imperial"), 2729 N Kildare av, Chicago, Ill.

(Continued on following page)

Fountains (Soda Water)—Continued

Lippincott A. H. & F. H., Erie & Richmond, Phila., Pa.
Liquid Carbonic Co., 3100 S Hedzie av, Chicago, Ill.
Loeber H. G. Co. (Iceless), 151 E 126th, New York
McCahill Soda Fountain Co., 215 E 23d, New York
Pacific Coast Soda Fountain Factory, 1630 W Washington, Los Angeles, Cal.
Petigor M. H., 216 E 42d, New York
Pick Albert & Co., 212 W Randolph, Chicago, Ill.
Progressive Mercantile & Mfg. Co., Pana, Ill.
Puffer Mfg. Co., 20 Sudbury, Boston, Mass.
Rathjen Eggers Co. ("Greens Automatic"), 457 Ellis, San Francisco, Cal.
Russ Co., 5700 Walworth av, Cleveland, O.
Schneible C. A., Esq. (Supplies), 132 E 121st, New York.
Storandt J. W. Mfg. Co., Rochester, N. Y.
United Soda Fountain Co., 380 Ellis, San Francisco, Cal.
Walrus Mfg. Co., Decatur, Ill.
Weber Show Case & Fixture Co. ("Gibraltar" & "Cordavia"), 440 Seaton, Los Angeles, Cal.
Western Show Case & Fixture Co. ("Western"), 931 E 31st, Los Angeles, Cal.
Westgate Metal Products Co. ("Westgate"), E 12th & 47th av, Oakland, Cal.
Wise Soda Apparatus Co. ("Wise Brine Iceless"), Bellevue, O.

4999— Fountains (Stock)

American Foundry & Mfg. Co. (Horse), 1th & Hebert, St. Louis, Mo.
Bluffton Mfg. Co., Bluffton, O.
Butler Mfg. Co., 1228 Eastern av, Kansas City, Mo.
Clarke J. Q. Tank Co., Crawfordsville, Ind.
Columbian Steel Tank Co., 1625 W 12th, Kansas City, Mo.
Cowmatic Corp. ("Cowmatic"), Lynchburg, Va.
Cragin & Co., 932 1st av S, Seattle, Wash.
Dayton-Dowd Co. (Cast Iron), Quincy, Ill.
Frantz Mfg. Co., Sterling, Ill.
Gedge Bros. Iron Roofing Co. (Valveless Automatic), Anderson, Ind.
Gehl Bros. Mfg. Co., West Bend, Wis.
Glor Bros. & Willis Mfg. Co. ("New Modern"), Attica, N. Y.
Helm S. D. Mfg. Co. ("Helm" for Hogs), Crawfordsville, Ind.
Jencks H. F. Co. (Horse), Pawtucket, R. I.
Klauer Mfg. Co. ("Star" Cast for Hogs), Dubuque, Iowa
McDonald A. Y. Mfg. Co. ("Diamond"), Dubuque, Ia.
Maytag Co. ("Booth," "Hawkeye"), Newton, Ia.
Mott J. L. Iron Works, Trenton, N. J.
National Mfg. Co. ("Ideal"), Des Moines, Ia.
National Tubular Axle Co. ("National"), Emigsville, Pa.
Novelty Iron Works ("Handy," Automatic), Sterling, Ill.
Quinn Wire & Iron Works ("Daisy"), Boone, Ia.
Sterling Foundry Co. ("Best"), Sterling, Ill.
Weidex Co. (Hog), Richmond, Ind.
Western Mfg. Co. ("Iowa," Automatic), Oskaloosa, Ia.

5000— Fountains, Vases, Etc.

See also Fountains, Drinking, Sanitary

ANCHOR BUILDING CO. (Artificial Stone Fountains), Elizabeth, N. J.
See adv index at end of book
Art Concrete Works, Inc. ("Brookstone"), 366 S Fair Oaks av, Pasadena, Cal.
Badger Wire & Iron Works (Vases), 25th & Cleveland avs, Milwaukee, Wis.
Barnum E. T. Wire & Iron Works, 501-23 Cass av, Detroit, Mich.
Batchelder-Wilson Co., 2633 Artesian, Los Angeles, Cal.
Bauer J. A. Pottery Co., 415 W av 33, Los Angeles, Cal.
Carr Jas. W. (Iron Benches & Vases), 7 N 25th, Richmond, Va.
Clow Jas. B. & Sons, Franklin & Harrison, Chicago, Ill.
Concord Foundry & Machine Co., Concord, N. H.
Duisdieker Foundry & Mfg. Co. (Cast Iron), Pekin, Ill.
Eagle Iron Works, 850 De Kalb av, Brooklyn, N. Y.
Enderle Frank X., 1715 San Fernando rd, Los Angeles, Cal.
Enterprise Iron Works, Indianapolis, Ind.
Fiske J. W. Iron Works, 111 Park Pl, New York.
Galloway Terra Cotta Co., 3216 Walnut, Phila., Pa.
Ginther's J. Sons Co., 419 Broadway, Buffalo, N. Y.
Hall Concrete Products Co., Grassland, Pa.
Hitzeroth Edward, 3419 Race, Phila., Pa.
Italian Terra Cotta Co., 1149 Mission rd, Los Angeles, Cal.
Jewel Electric & Mfg. Co. ("Jewel"), 1833 Berteau, Ravenswood, Chicago, Ill.
Jones M. D. Co., Concord Junction, Mass.
Kramer Bros. Foundry Co. (Vases Only), Dayton, O.
McDonald Foundry (Vases, Settees, etc), Columbus, O.
Mott, J. L. Iron Works, Trenton, N. J.
National Plastic Relief Co., 907 Evans, Cincinnati, O.
North Shore Ferneries Co., Beverly, Mass.
Oregon Brass Works (Bronze Fountains Only), 73 N 2nd, Portland, Ore.
Roanoke Iron & Bridge Wks., Inc., Roanoke, Va.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Southard-Robertson Co. (Cast Iron Lawn Vases), 257 Water, New York
Stewart Iron Works Co., Inc. (Cast Iron for Lawns, Parks & Cemeteries), 233 Stewart Blk, Cincinnati, O.
Superior Iron Works Co. (Horse Drinking Fountains), Superior, Wis.
Swett A. L. Iron Works (Vases), Medina, N. Y.
Toy W. M. & Co., 10 E Shelby, Sidney, O.
Walbridge & Co., 392 Main, Buffalo, N. Y.

Founts (Chicken)

See Fountains, Poultry

5001— Founts (Lamp)

See also Lamps, Household, Brass

Bradley & Hubbard Mfg. Co. (Metal), Meriden, Conn.
Consolidated Lamp & Glass Co. (Glass), Corapolis, Pa.
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Gillinder & Sons (Glass, Decorated), State & Devereaux, Phila., Pa.
Miller Edw. & Co. (Decorated), Meriden, Conn.
Phoenix Glass Co. (Glass), 2d National Bank bldg, Pittsburgh, Pa.
Sneath Glass Co. (Glass), Hartford City, Ind.

5002—Frames (Automobile, Pressed Steel)

American Motor Body Co., 18th & Lehigh av, Phila., Pa.
Detroit Pressed Steel Co. (Passenger & Truck), 6660 Mt. Elliott, Detroit, Mich.
Driggs-Seabury Ordnance Co. (& Frame Parts), Sharon, Pa.
Electric Auto Sales Corp., Central Park W & 62nd, New York
Hydraulic Pressed Steel Co., 3152 E 61st, Cleveland, O.
Parish & Bingham Co. (Cold Pressed), Madison av & W 106th, Cleveland, O.
Parish Mfg. Co. (Alloy Steel Heat Treated & Carbon Steel)), Reading, Pa.
Pettis W. W. Co., 416 First National Bank bldg, Cincinnati, O.
Smith A. O. Corp., Milwaukee, Wis.

5002a—*Frames (Beehive & Honey)

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Mason F. C. & Co., St. John's, Mich.

5003—Frames (Camp Chair & Stool)

Ransome Concrete Machinery Co., Dunellen, N. J.

5004—Frames (Card Drawer)

Penn. Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.

5005— Frames (Crusher)

Quaker City Iron Works, Tioga & Richmond, Phila., Pa.

5005a—Frames (Door, Hollow Metal)

Thorp Fire Proof Door Co., 1600-1616 Central av, Minneapolis, Minn.
See adv index at end of book

5006—*Frames (Galvanizing & Tinning)

Vaughn Machinery Co. (Wire), Cuyahoga Falls, O.

Frames (Hack Saw)

See Saw Blades & Frames, Hack

5007-8— Frames (Head)

Am. Bridge Co., 71 B'way, New York
Dravo Contracting Co., 1100 Diamond Bank bldg, Pittsburgh, Pa.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Youngstown Pressed Steel Co. (Tractor), Warren, O. *See adv index at end of book*

5009— Frames (Locomotive)

American Steel Foundries, McCormick bldg, Chicago, Ill.
Duquesne Steel Foundry Co., Arrott bldg, Pittsburgh, Pa.
Ohio Steel Foundry Co., Lima, O.
Pratt & Letchworth Co., 189 Tonawanda, Buffalo, N. Y.
Union Steel Casting Co., Pittsburgh, Pa.

5010— Frames (Menu Card)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Metal Price Tag Co., 409 S Stanford av, Los Angeles, Cal.

5011— Frames (Mirror, Brass)

Acme Novelty Co., 4222 W Lake, Chicago, Ill.
Biele Chas. F. & Sons Co., 331 W. 12th, New York
Berin Mfg. Co., 837 So. Western av, Chicago, Ill.
Newman Mfg. Co., 420 Elm, Cincinnati, O.

5011a— Frames (Numeral)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York.
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

5012—Frames (Open Hearth Furnace Door)

Blaw-Knox Co. ("Knox"), 636 Farmers Bank bldg, Pittsburgh, Pa.

5013— Frames (Sink)

Korff Mfg. Co. ("Korff" Adjustable), Lansing, Mich.
Swett A. L. Iron Wks. (Steel Laundry Tray), 145 Glenwood av, Medina, N. Y.
Wesely Chas. Co. ("Weseley" Steel), 3126 S Canal, Chicago, Ill.

5014— Frames (Soapmakers')

Houchin-Aiken Co., 26 Court, B'klyn, N. Y.
Littleford Bros. (Steel), 444 E Pearl, Cincinnati, O.
See adv index at end of book
Sowers Mfg. Co., 1320 Niagara, Buffalo, N. Y.

5014a— Frames (Spectacle)

American Optical Co., Southbridge, Mass.

5014b—*Frames (Take-up, Wire)

Vaughn Machinery Co., Cuyahoga Falls, O.

5014c— Frames (Tractor)

Andrews Heating Co., Minneapolis, Minn.
Parish & Bingham Co., Madison & W 106th, Cleveland, O.
Youngstown Pressed Steel Co., Warren, O.
See adv index at end of book

5015—Frames (Traveling Bag & Suit Case)

American Steel Frame & Band Iron Co. (Suit Case), 300 Water, New York
Milwaukee Stamping Co., W Allis, Milwaukee, Wis.
See adv index at end of book
Neumann R. Hardware Co., 9 St. Francis, Newark, N. J.

5016— *Frames (Wire Rod)

Vaughn Machinery Co., Cuyahoga Falls, O.

5017— Frames (Wood Saw)

Booth & Boyd Lbr. Co., Saginaw, Mich.
Cardwell Machine Co. (Tilting Table), 1900 E Cary, Richmond, Va.
Fairbanks, Morse & Co. (With Arbors), 900 S Wabash av, Chicago, Ill.
Freeman Mfg. Co. (Wood or Pole), Racine, Wis.
See adv index at end of book
Jones Superior Mach. Co., 1264 W. North av, Chicago, Ill.
Stover Mfg. & Engine Co., Freeport, Ill.

5018—Freezers (Brine, Ice Cream)

Creamery Package Mfg. Co. ("Ft. Atkinson," "Progress"), 61 W Kinzie, Chicago, Ill.
Thompson Emery Machine & Supply ("Emery Thompson"), 271 Rider, New York

5019—Freezers (Ice Cream, Etc.)

Alaska Freezer Co. ("Alaska," "North Pole," "North Star"), Winchendon, Mass.
Allen J. W. & Co. ("Monarch," Combination), 116 N Peoria, Chicago, Ill.
Auto Vacuum Freezer Co., Inc. ("Auto Vacuum"), 220 W 42nd, New York
Cardington Cabinet Co. ("Diamond," Triple Motion, "Crystal" Double Motion), Cardington, O.
Creamery Package Mfg. Co. ("Fort Atkinson" Disc, Continuous), 61 W Kinzie, Chicago, Ill.

Davis-Watkins Dairymen's Mfg. Co., Dept H, North Chicago, Ill.
Dazey Churn Mfg. Co. ("Dazey," Glass Jars), 4301 Warne, St. Louis, Mo.
Dewsberry R. A., 1936 W Lake, Chicago, Ill.
Edmands Walter S. (Electric), 27 Pearl, Boston, Mass.
Garden City Plating & Mfg. Co. ("Ideal"), 1430 S Talman av, Chicago, Ill.
Hart, Wm., 34 Catherine, New York.
Hilbert Machine Co. (Power), 2116 Colerain av, Cincinnati, O.
Horizontal Freezer Co. ("New Chicago" Power only), 18 W Kinzie, Chicago, Ill.
Lange Henry G., 162 N May, Chicago, Ill
Maag August Co., 509 W Lombard, Baltimore, Md.
Mills Thomas & Bro. ("Monitor"), 8th & Thompson, Phila., Pa.
New England Enameling Co. ("Ideal" Automatic), Middletown, Conn.
North Bros. Mfg. Co. ("Lightning," "Gem," "Blizzard," American Twin," "Toy," "Jumbo Lightning," "Double Action Crown," Hand, "Improved Phila. Seaman," "Combination," "Lightning," Machine & Power), Lehigh av & American, Phila., Pa.
Northwestern Copper & Brass Works, 59 W 3d. St. Paul, Minn.
Orleans Steel Products Co. Inc., 1021 Bienville, New Orleans, La.
Peerless Freezer Co., Winchendon, Mass.
Richmond Cedar Works ("Snow-Ball," "Steel Frame," "Frost King," "Double Quick"), Fulton, Richmond, Va.
Thompson Emery Mach. & Supply Co. ("Emery Thompson" Brine Freezer), 271 Rider av, Brooklyn, New York
Treman King & Co. ("Automatic" & "Cayuga"), Ithaca, N. Y.
Watkins Jas. Y. & Son (Inc.), 20 Catherine, New York
White Mountain Freezer Co. ("White Mountain," "Arctic," "Nashua"), Nashua, N. H.
Whitney F. E. Co., 65 Sudbury, Boston, Mass.
York Milk Machy. Co. (Direct Expansion), M. & P. R. R., York, Pa.

5019a— Frequency Changers

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book

5019a—Friction Surfaces (Asbestos)

Asbestos Materials Corp., Millington, N. J.
Darcoid Company (For Brakes, Clutches, Cones, Pulleys "Griptite"), 1780 Broadway, New York
See adv index at end of book
Keasbey & Mattison Co. ("Kaynum"), Ambler, Pa.
Loggers & Contractors Mach. Co., 70 4th, Portland, Ore.

5020—Friction Surfaces (Cork Insert)

Cork Insert Co. (For Brakes, Clutches & Pulleys), 164 Federal, Boston, Mass.

5021—*Frictions (Leather)

Barwood L. J. Mfg. Co. ("Barwood"), Stoneham 80, Boston, Mass.
See adv index at end of book
Chicago Rawhide Mfg. Co. (The), 1307 Elston av, Chicago
See adv index at end of book

5022— Frictions (Paper)

Comprdessed Spruce Products Co., 1010 E E, Tacoma, Wash.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

5023—Fringes (Silk, Upholstery, Etc.)

Baum C. F. Co., 232 S Franklin, Chicago, Ill.
Berkshire & Becket Silk Co., Becket, Mass.
Colombat Henry & Co., 239 Geary, San Francisco, Cal.
Crane Bros., Kingston, Pa.
Eastlake Mfg. Co., Adams av & Leiper Phila., Pa.
Empire Fringe Co., 909 Faile, New York
Fiedler A. B. & Sons, 305 W Adams, Chicago, Ill.
Grau & Lehmann, 537 W B'way, New York
Hensel Silk Mfg. Co., 1015 Diamond, Phila., Pa.
Hirsch G. Sons (Bead Fringes, Spangles, etc), 417 5th av, New York
Horstmann Wm. H. Co., 5th & Cherry, Phila., Pa.
Maguire Wm. G., Camden, N. J.
Mann V., 233 W 35th, New York
Mansure E. L. Co., 1601 Indiana av, Chicago, Ill.
Mansure E. L. Co., 1415 North, Phila., Pa.
Oehrle Bros. Co., 427 N 3rd, Phila., Pa.
Olyphant Silk Co., Olyphant, Pa.
Peters Trimming Co., 923 Fulton, Chicago, Ill.
Schlegel Mfg. Co., 277 N Goodman, Rochester, N. Y.
Schwensen Wm. (Est. of), 46 Walker, New York
Seideman Bros., 121 N 7th, Phila., Pa.
United States Trimming Co., 1410 N 6th, Phila., Pa.
Vogt Mfg. Corp., Dept. H, Rochester, N. Y.
Webendorrer H., 338 E 103d, New York
Wright S. D. & Co., 1017 N Front, Phila., Pa.

5024— Froes (Coopers')

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Iron City Tool Works, Ltd., 3201 Smallman, Pittsburgh, Pa.
Klein-Logan Co., 13th & Breed, Pittsburgh, Pa.
Warren Tool & Forge Co., 145 Griswold, Warren, Ohio
See adv index at end of book

5025— Frogs (Cast Iron)

Am. Frog & Switch Co. (Alloy Steel), Hamilton, Ohio
See adv index at end of book
Easton Car & Construction Co., 36 Holley, Easton, Pa.
See adv index at end of book
Indiana Foundry Co., Dept. H, Indiana, Pa.
Irwin Foundry & Mine Car Co. (& Turnouts for Mine Tracks), Irwin, Pa.
Marks & Fiske, 1316H Dime Bank bldg, Detroit, Mich.
Pidgeon-Thomas Iron Co., Memphis, Tenn.
Seattle Frog & Switch Co., Smith bldg, Seattle. Wash.

5025a— Frogs (Manganese)

American Frog & Switch Co., Hamilton, O. *See adv index at end of book*
Pettibone Mulliken Co. (Also Crossings), 140 S Dearborn, Chicago, Ill.
Seattle Frog & Switch Co., Smith bldg, Seattle. Wash.
Weir Frog Co. (Export Dept.), 43 Cedar, New York
WHARTON WM. JR. & CO., INC. (Originators of Manganese Steel Trackwork), Easton, Pa.

5026—Frogs (Overhead Trolley)

American Safety Lamp & Mine Supply Co., 1327 Capouse av, Scranton, Pa.
Elec. Railway Equipment Co., Cincinnati, Ohio
Fairmont Mining Machy. Co., Fairmont, W. Va.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
HAUCK MFG. CO., 136 10th, Brooklyn, N. Y.
See adv index at end of book
More-Jones Brass & Metal Co., B'way & Dock, St. Louis, Mo.
Ohio Brass Co., Mansfield, O.
Sackett Mine Supply Co., 164 W 3rd, Columbus, O.
Westinghouse Electric Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

Frogs (Replacing)

See Replacers, Car

5027— Frogs (Spring Rail)

American Frog & Switch Co., Hamilton, Ohio *See adv index at end of book.*
Cincinnati Frog & Switch Co., Madison rd & B. & O. R. R., Oakley, Cincinnati, O.
Cleveland Frog & Crossing Co. ("The Lucas"), 6917 Bessemer av, Cleveland, O.
Elliott Frog & Switch Co. ("Eureka"), 301H S Main, East St. Louis, Ill.
Indianapolis Switch & Frog Co., Springfield, O.
Morden Frog & Crossing Works ("Vaughn", etc), 208 S La Salle, Chicago, Ill.
Ramapo Iron Works ("Ramapo" Manganese Steel, Double, etc), Hillburn, N. Y.
Seattle Frog & Switch Co., Smith bldg, Seattle, Wash.
Track Specialties Co., Inc. (Dirs.), 2-4-6 Morris, New York
Weir Frog Co. (Export Dept.), 43 Cedar, New York
WHARTON WM. JR. & CO., INC., Easton, Pa.

5028—Frogs, Switches & Crossings

Alexander Crossing Co. (Continuous-Rail, Non-Pounding Crossings), Clinton, Ill.
American Frog & Switch Co. (Gantry Track, Plantation Track, Mine Track), Hamilton, O.
See adv index at end of book

AMERICAN FROG & SWITCH CO.
HAMILTON, OHIO

American Manganese Steel Co. ("Amsco" Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.
Atlas Car & Mfg. Co., Cleveland, O.
See adv index at end of book
Barbour, Stockwell Co. (Street Ry), Cambridge, Mass.
Barnum, Richardson Co., Lime Rock, Conn.
Bethlehem Steel Co. ("Manard"), So. Bethlehem, Pa.
Buda Co., Harvey, Ill.
Central Frog & Switch Co., Cincinnati, O.
Cincinnati Frog & Switch Co. (For Standard & Narrow Gauge Tracks), Madison rd & B. & O. R. R., Oakley, Cincinnati, Ohio
Cleveland Frog & Crossing Co. (Manganese Steel), 6917 Bessemer av, Cleveland, Ohio
Conley Frog & Switch Co. ("Conley"), S Memphis, Memphis, Tenn.
EASTON CAR & CONSTRUCTION CO. (Industrial Railroads), 36 Holley, Easton, Pa.
See adv index at end of book
Egyptian Iron Works (For Mine Tracks), Murphysboro, Ill.
Electric Railway Equipment Co. (Trolley, Overhead), 2900H Cormany, Cincinnati Ohio
Elliott Frog & Switch Co. (Spring Frogs, Spring Switches & Switch Stands, etc), 301 S Main, E St. Louis, Ill.
ENGINEERING PRODUCTS CO., Rialto bldg, San Francisco, Cal.
See adv index at end of book
Fishel & Marks Co., Ft of Krakow av, Cleveland, Ohio
See adv index at end of book
Fox Bros. & Co., 126 Lafayette, New York
Frog, Switch & Mfg. Co., Carlisle, Pa.
Green L. A. First Natl. Bank bldg, Pittsburgh, Pa. *See adv index at end of book*
Hofius Steel & Equipment Co., L. C. Smith bldg, Seattle, Wash.
HUNT C. W. CO., West New Brighton, New York
See adv index at end of book
Indianapolis Switch & Frog Co. ("R-N-R", Manganese Steel Frogs, Crossings, etc), Springfield, O.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Jordan O. F. Co. (Manganese Crossings), Chicago & Kennedy av, E. Chicago, Ind.
Kilby Frog & Switch Co., Birmingham, Ala.
Lambert H. T. Co. (Dealers), H, 1st Natl. Bank bldg, Huntington, W. Va.
Levis Henry & Co., 303 Commercial Trust bldg, Phila., Pa.
Light Railway Equipment Co., 526 Commercial Trust bldg, Phila., Pa.
Lorain Steel Co., Johnstown, Pa.
Louisville Frog & Switch Co., Louisville, Ky.
Morden Frog & Crossing Works ("Union"), 208 S La Salle, Chicago, Ill.
MOTLEY JAMES M., Export Dept. for Weir Frog Co. (For Railroad Track Use), 43 Cedar, New York
Nelson Iron Works, 45 Spokane av, Seattle, Wash.
New York Switch & Crossing Co., Hoboken, N. J.
O'Leary Arthur J. & Son Co., 65th & So. 57th av, Chicago, Ill.
Pettibone, Mulliken & Co. ("Strom" Clamp Frogs & "Spring Rail" Frogs, etc), 140 S Dearborn, Chicago, Ill.
Pidgeon-Thomas Iron Co., Memphis, Tenn.
Ramapo Iron Works ("MacPherson" Crossings, Split Switches, Spring & Rigid Frogs, etc), Hillburn, N. Y., & Niagara Falls, N. Y.
St. Louis Frog & Switch Co., Chemical bldg. St. Loius, Mo.
Seattle Frog & Switch Co., Seattle, Wash.
Turl Iron & Car Co. Inc., The, 50 Broad, New York. Works: Newburgh, N. Y.
Veithardt Steel & Metal Corp. (Mill Representatives), 15 Park Row, New York
Weir Frog Co., Cincinnati, O.
WEIR FROG CO. (Railroad), Foreign Dept.,43 Cedar, New York
West Va. Rail Co., Huntington, W. Va.
WHARTON WM. JR. & CO., INC. ("Tisco" Manganese Steel & Bolted Solid "Tisco" & "Tisco" Manganese Steel Center Tongue Switches of "H. C. B." & "G. H." Designs), Easton, Pa.

Frogs (Wrecking)

See Replacers, Car

Fronts (Furnace)

See Boiler Fronts & Castings

5029— Fronts (Stone Boat)

Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Cheney S. & Son, Manlius, N. Y.
Dutton E Q. & Co. Cato, N. Y.
Eddy W. Plow Co., Greenwich, N. Y.
Everts Mfg. Co., Meridian, N. Y.
Hessen Bros. Co. (Cast Iron), Tecumseh, Mich.
Hussey Plow Co., No Berwick, Me.
Lyon Iron Works, Greene, N. Y.
Munnsville Plow Co., Munnsville, N. Y.
Sargent, Osgood & Roundy Co., Randolph, Vt.

Fronts (Store)

See Store Fronts—Brass & Bronze

5030— Fronts (Vault)

Badger Wire & Iron Works, 26th av & Cleveland, Milwaukee, Wis.
Baum J. Safe & Lock Co., 617 E Front, Cincinnati, O.
Hall's Safe Co. (Bank & Fireproof), P. O. Box 846, Cincinnati, O.
See adv index at end of book

5031— Fuel Economizers

Anderson Mfg. Co., 1922 Arch Phila, Pa.
Atlas Heating & Ventilating Co. (Jobbers), 72 Freelon, San Francisco, Cal.
Combusto Devices Corp. ("Combusto"), 320 W 48th, New York
Combustion Utilities Corp., 8-10 Bridge, New York
Co-Operative Foundry Co., Rochester, N.Y.
Crown Fuel Saver Co., 13 No 10th, Richmond, Ind.
Gasket Supply Co. (for gasoline engines only), 1927 Ludlow, Phila., Pa.
See adv index at end of book
Gastine Co. (Gasoline), Bridgeton, N. J.
Green Fuel Economizer Co., 90 West, Beacon, N. Y.
Improved Equipment Co. (Bench), 60 Wall, New York
Keystone Gasket Mfg. Co., 829 N 4th, Philadelphia, Pa.
See adv index at end of book
Otter Mfg. Co., Inc., 62 9th av, New York
POWER SPECIALTY CO., 111 B'way, New York
Scharf Smoke Preventer Co., Ypsilanti, Mich.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Vasil Steam Systems Co., Wash. Loan & Trust bldg, Washington, D. C.

5032—*Fuel Oil Pumping Systems

Rockwell W. S. Co., 50 Church, New York. *See adv index at end of book*

5033—Fuel Oil & Gas Burning Appliances

See also Burners, Fuel Oil

Anthony Co. ("Anthony" Nebulyte"), 138H West av, Long Island City, N. Y.
Baush Machine Tool Co. (Metals Div.), 156 Wason av, Springfield, Mass.
Bethlehem Shipbuilding Corp., Ltd. (Fuel Oil Only), Broadhead & Parker av, Bethlehem, Pa.
Combustion Co., 728 S Michigan av, Chicago, Ill.
Flinn & Dreffein Co., 431 S Dearborn, Chicago, Ill.
Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.
Johnson S. T. Co. ("Johnson's" Liquid Fuel Oil Low Pressure Air System), 1337 Mission, San Francisco, Cal.
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Mirc's Fuel-Oil Equipment Co. (Oil Only), Lancaster, Pa.
National Supply Co. ("Billow" System), 412 Orleans, Chicago, Ill.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
ROCKWELL W. S. & CO., 50 Church, New York *See adv index at end of book*
Tate-Jones & Co., Inc. (& Gas), Pittsburgh, Pa.

Fuller Board

See Press Board

5034— Fullers Earth

Anderson-Hillier Co., Inc. (Powdered), 73 Hudson, New York
Atlantic Refining Co., 260 S Broad, Phila., Pa.
Attapulgus Clay Co. (Mines at Attapulgus, Ga. & Ellenton, Fla.), 3144 Passyunk av, Phila., Pa.
Balfour Guthrie & Co., 350 California, San Francisco, Cal.
CHRYSTAL CHAS. B. CO. INC. (English Imp.), 13 Cliff, New York
See adv index at end of book
Davidson Commission Co., 140 W Van Buren, Chicago, Ill.
Doggett Stanley, 11 Cliff, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Floridin Co. ("Floridin"), Warren, Pa.
Fuerst Bros. & Co. (Imported), 2 Stone, New York
Hamill & Gillespie (Imported), 240 Front, New York
Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Manater Fuller's Earth Corp., 33 Pearl, New York
National Sales Co. (Imp.), 31 E 13th, Cincinnati, O.
New England Quartz Co. of N. Y., 150 Nassau, New York
Refiners' Engng. & Supply Co., 39 S La Salle, Chicago, Ill.
Riddle Chemical Co. (Powdered), 35 S Dearborn, Chicago
See adv index at end of book
Salomon L. A. & Bros., 216 Pearl, New York
Whittaker, Clark & Daniels, Inc. (Jobbers), 250 Front, New York

5035—Fullers (Top & Bottom)

Champion Tool Co., Meadville, Pa.
Evansville Tool Works, 701 W Maryland, Evansville, Ind.
Heller Bros. Co., 379 Mt. Prospect av, Newark, N. J.
Vaughan & Bushnell Mfg. Co. ("V. & B.") 2114 Carroll av, Chicago, Ill.
Stanley Rule & Level Co. (Atha Division), New Britain, Conn.

5035a—Fumigating Systems for Ships

Schutte & Koerting Co., 1251 N 12th, Phila., Pa. *See adv index at end of book*

5036— Fumigators

Braun Corp. ("Cyanofumer"), 363 New High, Los Angeles, Cal.
California Cyanide Co. ("Auto Fume"), Cudahy, Cal.
Central City Chemical Co. ("Forma-Germkill"), 4250 Crawford av, Chicago, Ill.
Cremoline Disinfecting Co., 121 S Main, St. Louis, Mo.
De Pree Co., Holland, Mich.
Devine J. P. Co., Buffalo, N. Y.
O'Kleen O Products Co., 712 Madison av, Baltimore, Md.
Stauffer Chemical Co., 624 California, San Francisco, Cal.
Thompson F. A. & Co. ("Furnoth"), 1962 Trombley, Detroit, Mich.
Union Tank & Pipe Co. ("Mackie" Vacuum), 2801 Santa Fe av, Los Angeles, Cal.
WEST DISINFECTING CO. ("Alcoform," "Insector," Exterminators & Appliances), 411 Fifth av, New York
See adv index at end of book

5036a— Funnels (Copper)

Metal Products Corp., 49 Chestnut, Weehawken, N. J.
Roos Chas. A., 429 E 91st, New York
Welded Steel Barrel Corp., Hart & Charlevoix av, Detroit, Mich.

5037—Funnels (Family, Grocers, Etc.)

Cassady Fairbanks Mfg. Co. (Fruit, etc, Aluminum), 6126 La Salle, Chicago, Ill.
Central Stamping Co. ("Puritan," "Sterling"), 206 B'way, New York
Fargo E. A. Corp. (Aluminum), Taunton, Mass.
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
National Enameling & Stamping Co., 411 5th av, New York
Ray Geo. A. Mfg. Co. (Copper, Measuring, Valve, etc), 1495 Niagara, Buffalo, N. Y.

5038—*Funnels for Injector & Oil Overflow

LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Manning Maxwell & Moore, Inc. (Hayden & Derby Mfg. Co. Div.), 100 E 42nd, New York *See adv index at end of book*

5039— Funnels (Gasoline)

Atlantic Stamping Co., 156-180 Ames, Rochester, N. Y.
Boyle Mfg. Co., 5700 Santa Fe av, Los Angeles, Cal.
Delphos Mfg. Co., 1st & Pierce, Delphos, O.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Hoaglin F. L. ("No-Spill"), Waupaca, Wis.
Iddings Co. ("Auto"), Warren, Ohio
Kraft A. C. ("Hurlup" & Oyl-Ryt"), 159 Lake, Chicago, Ill.
Mooers-Wright Co., 225 5th av, New York
National Marine Lamp Co., Forestville, Conn.
Sharlow Bros. Co., 442 W. 42nd, New York
Sigley Wm. H., Sylvan Grove, Kans.

5039a— Funnels (Glass)

Elmer & Amend, 205 E 18th, New York
Friedrich & Dimmock, Millville, N. J.
Macbeth-Evans Glass Co., Pittsburgh, Pa.
Scientific Utilities Co. Inc., 18 E 16th, New York

5039b—Funnels (Monel Metal)

Beckley Perforating Co., Garwood, N. J.
Geuder, Paeschke & Frey Co., Milwaukee, Wis.
INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Koven & Bro. L. O., Jersey City, N. J.
Liberty Coppersmithing Co., Philadelphia, Pa.
Schaefer Co., Emil, 1320 N 5th, Philadelphia, Pa.
Sholes Inc., 186 Lafayette, New York
Smith, Drum & Co., Philadelphia, Pa.
Steel Products Mfg. Co., Cireco, Ill.
Wahmann Mfg. Co. Geo. H., Baltimore, Md.

5040—Funnels (Nitre Charging)

Pratt Engineering & Machine Co., Atlanta, Ga.

5041— Funnels (Separating)

Central Scientific Co., 460 E Ohio, Chicago, Ill.
Daigger A. & Co., 54 W Kinzie, Chicago, Ill.
Eimer & Amend, 205 E 18th, New York
Empire Laboratory Supply Co., Inc., 218 E 37th, New York
Scientific Utilities Co., 18 E 16th, New York

5041a—Funnels (Stoneware)

General Ceramics Co., 59 Church, New York
Knight-Maurice A., Akron, O.

5042—Furnace Doors & Grates

Acer & Whedon, Medina, N. Y.
Bell C. S. Co., Hillsboro, O.
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Bosworth-Ard Machine & Foundry Co., Anniston, Ala.
Codd E. J. Co. (Chain Doors), 700H South Carolina, Baltimore, Md.
Cook Cane Mill & Evaporator Co., 200 2nd, St. Louis, Mo.
Golden's Foundry & Machine Co., Columbus, Ga.
Marion Machine Foundry & Supply Co., Marion, Ind.
Morrisville Fdry. Co., Morrisville, Vt.
Southern Plow Co., Columbus, Ga.

5043—Furnace Pipe & Fittings

Chicago Furnace Supply Co., 1278 Clybourn, Chicago, Ill.
Delphos Mfg. Co., 1st & Pierce, Delphos, O.
Eclipse Metal Mfg. Co. (Galvanized Elbows), Eden, N. Y.
Excelsior Steel Furnace Co., 118 S Clinton, Chicago, Ill.
Fow Mfg. Co. (Adjustable Elbows, etc.), Water & Miffin, Philadelphia, Pa.
Gammeter W. F., Cadiz, O.
Harold Furnace & Mfg. Co., E 3310 Sprague av, Spokane, Wash.
Hill James Mfg. Co., 52 Westfield, Providence, R. I.
Howes S. M. Co., 42 Union, Boston, Mass.
International Heater Co., 21H Park av, Utica, N. Y.
Lamneck W. E. Co., 416 Dublin av, Columbus, Ohio
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
Meyer F. & Bro. Co. ("Improved Handy"), Peoria, Ill.
Michigan Safety Furnace Pipe Co., 617 Fort E, Detroit, Mich.
Newark Steel & Iron Works, 12 Mercer, Newark, N. J.
Payne Furnace & Supply Co., 158-60 N Los Angeles, Los Angeles, Cal.
Perfection Furnace Pipe Co., Toledo, O.
Pittsburgh Valve, Foundry & Construction Co. (Blast Furnace, etc), 26th & A. V. R. R., Pittsburgh, Pa.
Republic Metalware Co., 100 Alabama, Buffalo, N. Y.
Roberts-Hamilton Co., 413 S 4th, Minneapolis, Minn.
Safety Furnace Pipe Co., 5960 Second av, Detroit, Mich.
Steele Wilbur S. Co. ("Peerless"), 113 S Main, Hartford, Conn.
XXth Century Heating & Ventilating Co., Akron, O.
United States Register Co., Ltd., Battle Creek, Mich.
Western Insulex Co. ("Insulex" Non-Corrosive Flue Pipe), 4065 Hollis, Emeryville, Cal.
Western Metal Mfg. Co., 1530 Westlake N, Seattle, Wash.
Williamson Heater Co., 3359 W 5th, Cincinnati, O.
Wright Mfg. Co., 105 Water, New Haven, Conn.

5044—Furnaces (Agricultural)

Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
Donaldson Bros., Mount Clemens, Mich.
Lehr Agricultural Co., Fremont, O.

LUEHRS ELECTRIC HEATING CO.

Luehrs Type Bright Annealing Furnaces, Oil Temperating, Hardening and Drawing Equipment. Conveyor and regenerative types. Casting Aging and Vitreous Enamelling Furnaces.

118 St. Clair Ave. East **CLEVELAND, OHIO**

5045—Furnaces (Aluminum Melting)

Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
BUCKEYE PRODUCTS CO., INC., 915-917 W 5th, Cincinnati, Ohio
See adv index at end of book
Campbell-Hausfeld Co., Harrison, Ohio
CHICAGO FLEXIBLE SHAFT CO., 1150 S Central av, Chicago
See adv index at end of book

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Aluminum Melting

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CHICAGO FLEXIBLE SHAFT COMPANY 1150 South Central Avenue, Chicago, Ill.

Dempsey Furnace Co., 15 Park Row, New York
See adv index at end of book
Foundry Equipment Co., 1833 Columbus rd, Cleveland, O.
HAUCK MFG. CO., 136 10th, Brooklyn, N. Y.
See adv index at end of book
Holcroft & Co., 3545H Epworth blvd, Detroit, Mich.
MacLeod Co., 2227 Bogen, Cinn., O.
See adv index at end of book
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
ROCKWELL W. S. CO., 50 Church, New York
See adv index at end of book
Strong, Carlisle & Hammond Co. (S-C-H") 1394 W 3rd, Cleveland, O.
SURFACE COMBUSTION CO. The, 334 Gerard av, Bronx, New York
See adv index at end of book

5045a—Furnaces (Angle Heating)

Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
Combustion Utilities Corp., 8-10 Bridge, New York
Dempsey Furnace Co., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
MacLeod Co., 2227 Bogen, Cinn., O.
See adv index at end of book
ROCKWELL W. S. CO., 50 Church, New York *See adv index at end of book*
Surface Combustion Co. The, 334 Gerard av, Bronx, New York
See adv index at end of book

5046—Furnaces (Annealing & Case Hardening)

See also Furnaces, Fuel Oil Burning; also Furnaces, Gas Blast

American Equipment Co., Norristown, Pa.
American Gas Furnace Co. (Gas), Spring & Lafayette, Elizabeth, N. J.
American Industrial & Engineering Co., 53 W Jackson blvd, Chicago, Ill.
ANTHONY CO. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
Bates Machine Co. (Annealing), Joliet, Ill
Baush Machine Tool Co. (Metal Div.), 156 Wason, Springfield, Mass.
Beach-Russ Co., 88 Church, New York
See adv index at end of book
Bellevue Furnace Co., 2971 Bellevue av, Detroit, Mich.
Bidle W. S. Co., 1411 E 45th, Cleveland, O.
Brown & Sharpe Mfg. Co., Providence, R. I.
CHICAGO FLEXIBLE SHAFT CO. ("Stewart," Gas or Oil Blast), 1150 S Central av, Chicago, Ill.
See adv index at end of book

STEWART INDUSTRIAL FURNACES FOR ALL PURPOSES

Annealing

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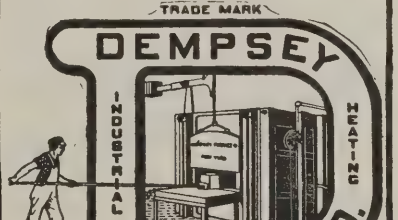
CHICAGO FLEXIBLE SHAFT COMPANY 1150 South Central Avenue, Chicago, Ill.

Combustion Utilities Corp., 8-10 Bridge, New York
DEMPSEY FURNACE CO., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book

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61 Cornelison Ave., Jersey City, N.J.

Despatch Mfg. Co. (Electric Ovens), 120 1st av N, Minneapolis, Minn.
Eclipse Fuel Engineering Co. ("Eclipse" Gas Fired), 100 Forbes, Rockford, Ill.
Economy Furnace Co., Chicopee, Mass.
Ferguson Furnace Co., Toledo, Ohio.
Flinn & Dreffein Co., 431 S Dearborn, Chicago, Ill.
General Engineering & Supply Co., 160, 5th av, Mohawk bldg, New York City
Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.
Holcroft & Co., 6545H Epworth blvd, Detroit, Mich.
Hoskins Mfg. Co. (Electric), 4435 Lawton, Detroit, Mich.
Industrial Furnace Corp., 10 Post O sq., Boston, Mass.
Johnson Gas Appliance Co. ("Johnson"), Dept. H, Cedar Rapids, Ia.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Lindsay W. W. & Co. Inc., Harrison Bldg., Phila, Pa.
Luehrs Electric Heating Co., 118 St. Clair av, N E, Cleveland, Ohio
See adv index at end of book
Mackenzie's Duncan Sons Co., Trenton, N. J.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Mahr Mfg. Bo., 1300 N E. Quincy, Mass.
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Morgan Construction Co. (Annealing), Worcester, Mass.
Naismith Geo. & Son, 6312 Butler, Pittsburgh, Pa.
North American Mfg. Co. (Hardening), 5902 Carnegie av, Cleveland, Ohio
Railway Materials Co. (For Boiler Shop, Oil as Fuel), Railway Exchange bldg, Chicago, Ill.
ROCKWELL W. S. CO. (Stationary & Rotary Types), 50 Church, New York.
See adv index at end of book
Rust Engng. Co., 504 Dist. National Bk. bldg, Washington, D. C.
Strong, Carlisle & Hammond Co ("S-C-H"), 1394 W 3rd, Cleveland, O.
SURFACE COMBUSTION CO. THE, 334 Gerard av, Bronx, New York
See adv index at end of book

THE SURFACE COMBUSTION CO.

"Wherever Heat Is Used In Industry."—British Furnaces Ltd., Chesterfield, Eng.; Benno Schilde, Charlottenburg, Germany; Compagnie Generale de Construction de Fours., Montrouge, Seine, France.

THE SURFACE COMBUSTION CO. 334 Gerard Avenue Bronx, N. Y.

Swindell Wm. & Bro. (Inc.), Jenkins Arcade bldg, Pittsburgh, Pa.
Vaughn Machinery Co. (For Wire Mills), Cuyahoga Falls, O.
Wisconsin Foundry & Machine Co., Madison. Wis.
Young Bros. Co., 6500 Mack av, Detroit, Mich.

Furnaces (Asphalt, Pitch & Tar)

See Heaters, Asphalt, Pitch & Tar

5047—Furnaces (Assayers' & Bullion)

Allis-Chalmers Mfg. Co. (Smelting, Roasting & Calcining), Milwaukee, Wis.
See adv index at end of book
American Gas & Furnace Co., Spring & Lafayette, Elizabeth, N. J.
Berge J. & H. ("Hibbs" Improved), 95 John, New York
Braun Corp. (Assayers), 363 New High, Los Angeles, Cal.
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Calkins Co., Los Angeles, Cal.
Combustion Utilities Corp., 8-10 Bridge, New York
Denver Fire Clay Co. ("Case"), Denver, Colo.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Rockwell W. S. & Co., 50 Church, New York. *See adv index at end of book*
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

5047a— Furnaces (Automatic)

Anthony Co., 138 West av, Long Island City, N. Y.
DeRemer Blatchford Co., Dept. H, Railway Exchange bldg, Chicago, Ill.
See adv index at end of book
MacLeod Co., 2227 Bogen Cincinnati, O.
See adv index at end of book
ROCKWELL W. S. CO., 50 Church, New York *See adv index at end of book*
Surface Combustion Co., The (Bolt), 334 Gerard av, Bronx, New York
See adv index at end of book

THE SURFACE COMBUSTION CO.

Silently, one by one, as the daily hours go on, come from the mouth of the furnace, the parts that are needed by man.

THE SURFACE COMBUSTION CO. 334 Gerard Avenue Bronx, N. Y.

5048—Furnaces (Babbitt Melting)

See also Furnaces, Gas Blast

American Gas & Furnace Co. (Gas), Spring & Lafayette, Elizabeth, N. J.

(Continued on following page)

Furnaces (Babbitt Melting)—Cont.

Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
BERNZ OTTO, 17 Ashland st, Newark, N. J.
See adv index at end of book
Buckeye Products Co. Inc., 915-917 W Fifth, Cincinnati, O.
See adv index at end of book
Campbell-Hausfeld Co., Harrison, Ohio
CHICAGO FLEXIBLE SHAFT CO., 1150 S Central av, Chicago, Ill.
See adv index at end of book
Dempsey Furnace Co., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
Globe Gas Light Co. ("Barthel" Kerosene), 25 Union, Boston, Mass.
HAUCK MFG. CO., 136 10th, Brooklyn, N. Y.
See adv index at end of book
Leddell Metals Co. ("Bee" Anti-Friction, Portable), 281 Borden av, Long Island City, N. Y.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Mahr Mfg. Co., 1300 N E. Quincy, Minneapolis, Minn.
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Rockwell W. S. Co., 50 Church, New York
See adv index at end of book
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Strong, Carlisle & Hammond Co. ("S-C-H"), 1394 W 3rd, Cleveland, O.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

THE SURFACE COMBUSTION CO.

The only new development for heating billets, slabs and bars that has added efficiency since the introduction of coke oven gas.

THE SURFACE COMBUSTION CO.
334 Gerard Avenue Bronx, N. Y.

5049-50—Furnaces (Bagasse)

Babcock & Wilcox Co. (The), 85 Liberty, New York
Chattanooga Plow Co., Carter & Main, Chattanooga, Tenn.
Coldwell-Wilcox Co., Newburgh, N. Y.
Haubtman & Loeb Co., Ltd., 618 Magazine, New Orleans, La.
Honolulu Iron Works Co., 233 Broadway, New York
Pioneer Iron Works, 149 Pioneer, Brooklyn, N. Y.
Rockwell W. S. Co., 50 Church, New York
Squier Geo. L. Mfg. Co., Buffalo, N. Y.

5051—Furnaces (Barium Chloride)

American Gas Furnace Co., Spring & Lafayette, Elizabeth, N. J.
Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
Dempsey Furnace Co., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
Eclipse Fuel Engineering Co. ("Eclipse" Gas Fired), 100 Forbes, Rockford, Ill.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Rockwell W. S. Co., 50 Church, New York
See adv index at end of book
Strong, Carlisle & Hammond Co., ("S-C-H" Barium Chloride & Cyanide Hardening), 1394 W 3rd, Cleveland, O.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Tate-Jones & Co., Inc., Pittsburgh, Pa.

5051a—*Furnaces (Bench Forge)

Rockwell W. S. Co., 50 Church, New York
See adv index at end of book
Tate-Jones & Co., Inc., Pittsburgh, Pa.

5052—Furnaces (Billet Heating)

Amsler-Morton Co., Fulton, bldg, Pittsburgh, Pa.
Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
Best W. N. Inc. ("Calorex"), 11 B'way, New York
Burns Hydro Carbon Burner Co., Fort Plain, N. Y.
CHICAGO FLEXIBLE SHAFT CO., 1150 S Central av, Chicago, Ill.
See adv index at end of book

STEWART INDUSTRIAL FURNACES
FOR ALL PURPOSES
Billet Heating
Use STEWART Furnaces. There's a STEWART Furnace for every requirement.
CHICAGO FLEXIBLE SHAFT COMPANY
1150 South Central Avenue, Chicago, Ill.

DEMPSEY FURNACE CO., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book

HEATING FURNACES
YOU WILL BE PLEASED WITH RESULTS OBTAINED AND LOW MAINTENANCE COST OF OUR FURNACES
TRADE MARK
DEMPSEY INDUSTRIAL HEATING FURNACE CO.
61 Cornelison Ave., Jersey City, N.J.

Industrial Furnace Corp., 10 Post Office sq, Boston, Mass.
Lindsay W W & Co. Inc., Harrison Bldg., Philadelphia, Pa.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Morgan Construction Co., Worcester, Mass.
Naismith Geo. & Son., 6312 Butler, Pittsburgh, Pa.
ROCKWELL W. S. CO. (Oil, Coal or Gas), 50 Church, New York
See adv index at end of book
Ryan F. J. & Co., Wesley bldg, Phila., Pa.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Swindell Wm. & Bros., Jenkins Arcade bldg, Pittsburgh, Pa.
Tate-Jones & Co., Inc., Pittsburgh, Pa.

5052a—Furnaces (Boiler Shop)

American Fdry & Furnace Co., Bloomington, Ill.
Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
DEMPSEY FURNACE CO., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
Dodge August W., 53 Buckingham, Springfield, Mass.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Warwick Constn. Co., 1048 W Harrison, Chicago, Ill.

5052b—Furnaces (Bolt Heading)

Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
Dempsey Furnace Co., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Rockwell W. S. Co., 50 Church, New York
See adv index at end of book
SURFACE COMBUSTION CO., THE, 334 Gerard av, Bronx, New York
See adv index at end of book
Tate-Jones & Co., Inc., Pittsburgh, Pa.

5052c— Furnaces (Brass Annealing)

Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
Combustion Utilities Corp., 8-10 Bridge, New York
DEMPSEY FURNACE CO., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
Electric Furnace Co., Salem, Ohio
Industrial Furnace Corp., 10 Post Office sq, Boston, Mass.
ROCKWELL W. S. CO., 50 Church, New York *See adv index at end of book*
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

5053—Furnaces (Brass & Copper Melting)

See also Furnaces, Gas Blast
American Gas Furnace Co., Elizabeth, N. J.
Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
Barnett Oscar Foundry Co., Irvington, N. J.
Best W. N., Inc. ("Calorex"), 11 B'way, New York
Booth Electric Furnace Co., 411 N Wells, Chicago, Ill.
Brass Founders' Supply Co., Wilson av, Newark, N. J.
BUCKEYE PRODUCTS CO., INC. ("Buckeye"), 915-917 W 5th, Cincinnati, Ohio
See adv index at end of book
Campbell-Hausfeld Co., Harrison, Ohio
Central Foundry Supply Co., P. O. Box 945, Columbus, O.
CHICAGO FLEXIBLE SHAFT CO., 1150 S Central av, Chicago, Ill.
See adv index at end of book

STEWART INDUSTRIAL FURNACES
FOR ALL PURPOSES
Brass Melting
Use STEWART Furnaces. There's a STEWART Furnace for every requirement.
CHICAGO FLEXIBLE SHAFT COMPANY
1150 South Central Avenue, Chicago, Ill.

Colorado Iron Works Co., Denver, Colo.
Combustion Utilities Corp., 8-10 Bridge, New York
Dempsey Furnace Co., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
Denver Engineering Works Co., Denver, Colo.
Electric Furnace Co., Salem, Ohio
Foundry Equipment Co., 1838 Columbus rd, Cleveland, O.
Granger Co., A. D. (Schwartz), 17 Park Row, New York
See adv index at end of book
HAUCK MFG. CO., 136 10th, Brooklyn, N. Y. *See adv index at end of book*
Hawley Down Draft Furnace Co. "Hawley Schwartz"), Easton, Pa.
Holcroft & Co., 6545H Epworth blvd, Detroit, Mich.
KENNEDY-VAN SAUN MFG. & ENG. CORP., 50 Church, New York
See adv index at end of book
MACLEOD CO., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Monarch Engineering & Mfg. Co. ("Monarch-Rockwell," "Steele-Harvey," "Simplex" & "Monarch"), American bldg, Baltimore, Md.
Pittsburgh Elec. Furnace Co. H Union bldg, Pittsburgh, Pa.
Ryan F. J. & Co., Wesley bldg, Phila., Pa.
Stevens Frederic B., Inc. (Brass Only), 3rd & Larned, Detroit, Mich.
See adv index at end of book
Strong, Carlisle & Hammond Co., ("S-C-H"), 1394 W 3rd, Cleveland, O.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Traylor Engng. & Mfg. Co., Allentown, Pa.
U. S. Smelting Furnace Co., Dept. H, Belleville, Ill.
Whiting Corp., Dept. H, Harvey, Ill.
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.
Woodison E. J. Co., 1621 St. Aubin, Detroit, Mich.

5054— Furnaces (Brazing)

American Gas Furnace Co., Elizabeth, N. J.
Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
BERNZ OTTO, 17 Ashland st, Newark, N. J.
See adv index at end of book

Complete Industrial Furnace Equipment

COAL—OIL—GAS—ELECTRICITY

We make a specialty of designing and constructing modern industrial heating equipment, irrespective of purpose or fuel, for the metallurgical, chemical, ceramic and other industries.



Automatic Rotary Furnace and Quenching Tank

Our practical experience of over 30 years is illustrated by the following list of furnaces, practically all of which we have built in a variety of types and sizes, for different fuels, to suit individual requirements.



Continuous Heat-Treatment Furnaces

Angle Heating Furnaces
Annealing Furnaces
Automatic Furnaces
Billet Heating Furnaces
Blast Gates, New Airtight and "Kwikleen"
Blowers
Burners
Carbonizing Furnaces
Continuous Furnaces
Cyanide Furnaces
Drying Furnaces
Electric Furnaces
Enameling Furnaces
Forging Furnaces
Fuel Oil Appliances
Gas Burners
Hardening Furnaces
Heat-Treatment Furnaces
Heating Furnaces
Lead Pot Furnaces
Melting Furnaces
Muffle Furnaces
Oil Burners
Plate Heating Furnaces
Pot Furnaces
Pumps
Rivet Furnaces
Rivet Rod Furnaces
Rotary Continuous Furnaces
Rotary Quenching Tanks
Scaling Furnaces
Sheet and Pair Furnaces
Soft Metal Melting Furnaces
Spring Fitting Furnaces
Stoker Fired Recuperative Furnaces
Tempering Furnaces
Upsetting Furnaces
Varnish Boiling Furnaces
Wire Furnaces

W. S. ROCKWELL COMPANY

Furnace Engineers and Contractors
50 Church Street (Hudson Terminal Bldg.), New York, N. Y.
Chicago, Ellsworth Bldg. Cleveland, Union Trust Bldg. Detroit, Majestic Bldg. Montreal, Canada, 358 Beaver Hall Sq.
British Representative: Gibbons Bros., Ltd., Dudley, Worc., England

CHICAGO FLEXIBLE SHAFT CO. ("Stewart" Crucible), 1150 S Central av, Chicago, Ill.
See adv index at end of book

STEWART INDUSTRIAL FURNACES FOR ALL PURPOSES

Brazing

Use STEWART Furnaces.
There's a STEWART Furnace for every requirement.

CHICAGO FLEXIBLE SHAFT COMPANY
1150 South Central Avenue, Chicago, Ill.

Flinn & Dreffein Co. (Gas & Oil), 431 S Dearborn, Chicago, Ill.
Grabo E. O. Machine Works, 180 Centre, New York
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Mahr Mfg. Co., 1300 N E Quincy, Minneapolis, Minn.
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Strong, Carlisle Hammond & Co., ("S-C-H"), 1394 W 3rd, Cleveland, O.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Turner Brass Works (Gasoline & Kerosene), Sycamore, Ill.
Westinghouse Electric Mfg. Co., East Pittsburgh, Pa.

5054a—Furnaces (Bright Annealing)

Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
Dempsey Furnace Co., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

THE SURFACE COMBUSTION CO.

The use of Surface Combustion Bright Annealing for brass, sterling, German silver and other similar metals lowers fuel costs, eliminates pickling and increases production.

THE SURFACE COMBUSTION CO.
334 Gerard Avenue Bronx, N. Y.

5054b— Furnaces (Bulldozer)

Anthony Co., 138 West av, Long Island City, N. Y.
DEMPSEY FURNACE CO., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Rockwell W. S. Co., 50 Church, New York
See adv index at end of book
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

5055—Furnaces (Carbonizing)

American Gas Furnace Co., Elizabeth, N. J.
Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
Baush Machine Tool Co. (Metals Div.), 156 Wason av, Springfield, Mass.
CHICAGO FLEXIBLE SHAFT CO., 1150 S Central av, Chicago, Ill.
See adv index at end of book

STEWART INDUSTRIAL FURNACES FOR ALL PURPOSES

Carburizing

Use STEWART Furnaces.
There's a STEWART Furnace for every requirement.

CHICAGO FLEXIBLE SHAFT COMPANY
1150 South Central Avenue, Chicago, Ill.

DEMPSEY FURNACE CO., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
Ferguson Furnace Co., Toledo, Ohio.
Luehrs Electric Heating Co., 118 St. Clair av, N E, Cleveland, Ohio
See adv index at end of book
ROCKWELL W. S. CO., 50 Church, New York *See adv index at end of book*
SURFACE COMBUSTION CO., THE, 334 Gerard av, Bronx, New York
See adv index at end of book

5055a—Furnaces (Cartridge Case Annealing)

DEMPSEY FURNACE CO., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

Furnaces (Case Hardening)

See Furnaces, Annealing & Case Hardening

5055b—*Furnaces (Car Type)

CHICAGO FLEXIBLE SHAFT CO., 1150 S Central av, Chicago, Ill.
See adv index at end of book

STEWART INDUSTRIAL FURNACES FOR ALL PURPOSES

Car Type

Use STEWART Furnaces.
There's a STEWART Furnace for every requirement.

CHICAGO FLEXIBLE SHAFT COMPANY
1150 South Central Avenue, Chicago, Ill.

SURFACE COMBUSTION CO., THE, 334 Gerard av, Bronx, New York
See adv index at end of book
Tate-Jones & Co., Inc., Pittsburgh, Pa.

5055c—Furnaces (Chain Welding)

Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
Dempsey Furnace Co., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
Mac Leod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

5056— Furnaces (Charcoal)

BERNZ CO., INC., OTTO, 17 Ashland st., Newark, N. J.
See adv index at end of book
Indiana Hollow Ware Co. (Cast Iron), Jeffersonville, Ind.

5056a—Furnaces (Coal, Gas or Oil)

SURFACE COMBUSTION CO., THE, 334 Gerard av, Bronx, New York
See adv index at end of book

THE SURFACE COMBUSTION CO.

The Problem: Heating Materials.
The Fuel: Any one, or two, or all three.
Required: Lowest Operating and Production Costs.
The Answer: The Surface Combustion Co.

THE SURFACE COMBUSTION CO.
334 Gerard Avenue Bronx, N. Y.

5056b—Furnaces (Cold Rolled Strip Annealing)

Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
DEMPSEY FURNACE CO., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
Mac Leod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Rockwell W. S. Co., 50 Church, New York
See adv index at end of book
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

5056c—Furnaces (Combination Coal & Oil)

Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
DEMPSEY FURNACE CO., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Tate-Jones & Co., Inc., Pittsburgh, Pa.

5057—Furnaces (Combination Gas & Oil)

Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Campbell-Hausfeld Co., Harrison, Ohio
Dempsey Furnace Co., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
Leahy Mfg. Co., 1804 E 8th, Los Angeles, Cal.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
U S. Smelting Furnace Co., Belleville, Ill.

5058—Furnaces (Confectioners' Gas)

Beach-Russ Co., 38 Church, New York
See adv index at end of book
Bibb B. C. Stove Co. ("Favorite"), 109 Light, Baltimore, Md.
Combustion Utilities Corp., 8-10 Bridge, New York
Eclipse Fuel Engineering Co. ("Eclipse" Gas Blast), 100 Forbes, Rockford, Ill.
Fuller-Warren Co. ("Stewart" Gas Blast), 32nd & Wright, Milwaukee, Wis.
Katzinger Edw. Co. ("Ecko," "Giant"), 122 N Peoria, Chicago, Ill.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

THE SURFACE COMBUSTION CO.

The Improved line of candy furnace equipment covers all necessary items. The candy stoves are quick, accurate and reliable and the batchwarmers economical of fuel.

THE SURFACE COMBUSTION CO.
334 Gerard Avenue Bronx, N. Y.

5058a— Furnaces (Continuous)

Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
DEMPSEY FURNACE CO., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
Ferguson Furnace Co., Toledo, Ohio.
Mac Leod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
ROCKWELL W. S. CO., 50 Church, New York *See adv index at end of book*
SURFACE COMBUSTION CO., (Bolt) The, 334 Gerard av., Bronx, New York.
See adv index at end of book
Tate-Jones & Co., Inc., Pittsburgh, Pa.

5059-60—Furnaces (Copper)

Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
Dempsey Furnace Co., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
Denver Engineering Works Co., Denver, Colo.
Electric Furnace Co., Salem, O.
Industrial Furnace Corp. (Heat Treating), 10 Post Office sq, Boston, Mass.
MacLeod Co., 2227 Bogen, Cincinnati, O
See adv index at end of book
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Pittsburgh Elec. Furnace Co., H, Union bldg, Pittsburgh, Pa.
Reeves Bros Co., The, Alliance, Ohio.
See adv index at end of book
Rockwell W. S. Co., 50 Church, New York
See adv index at end of book
Surface Combustion Co., The, 334 Gerard av., Bronx, New York.
See adv index at end of book
Treadwell Construction Co., Midland, Pa.
U. S. Smelting Furnace Co., Belleville, Ill.

Furnaces (Core Baking)

See Ovens, Core Baking

5061— Furnaces (Corrugated)

AMERICAN SPIRAL PIPE WORKS (for Land & Marine Boilers), Box 485, Chicago, Ill., & 50 Church, New York
See adv index at end of book
Continental Iron Works ("Morison" Suspension & "Fox" Corrugated for Land & Marine Boilers), West & Calyer, Brooklyn, N. Y.

5061a—Furnaces (Crematory)

Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

5062— Furnaces (Crucible)

See also Furnaces, Melting

American Gas Furnace Co., Spring & Lafayette, Elizabeth, N. J.
Amsler-Morton Co., Fulton bldg, Pittsburgh, Pa.
ANTHONY CO. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
Best W. N. Inc. ("Calorex"), 11 B'way, New York
Braun Corporation, 363 New High, Los Angeles, Cal.
Braun-Knecht-Heimann Co. ("Braun" Rotary Flame Combination), 576-584 Mission, San Francisco, Cal.
Buckeye Products Co., Inc. ("Buckeye" Brass & Aluminum Melting, Tilting Non-Crucible), 915-917 W. 5th, Cincinnati, Ohio
See adv index at end of book
Burns Hydro Carbon Burner Co., Fort Plain, N. Y.
Campbell-Hausfeld Co., Harrison, Ohio
Combustion Utilities Corp., 8-10 Bridge, New York
CHICAGO FLEXIBLE SHAFT CO. ("Stewart," Gas or Oil Blast), 1150 S Central av, Chicago, Ill.
See adv index at end of book

STEWART INDUSTRIAL FURNACES
FOR ALL PURPOSES
Crucible
Use STEWART Furnaces.
There's a STEWART Furnace for every requirement.
CHICAGO FLEXIBLE SHAFT COMPANY
1150 South Central Avenue, Chicago, Ill.

Dempsey Furnace Co., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
Denver Fire Clay Co. ("Donaldson" Tiling for Melting & Refining), Denver, Colo.
Eclipse Fuel Engineering Co. ("Eclipse" Gas Fired), 100 Forbes, Rockford, Ill.
Engelhard Chas. ("Engelhard" for laboratories) (Selling agent), 30 Church, New York
Fisher Alfred (Fuel Oil), 803 W Madison, Chicago, Ill.
Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.
Hauck Mfg. Co., 136 10th, Brooklyn, N. Y
See adv index at end of book
Hoskins Mfg. Co. ("Hoskins" Electric), 453 Lawton, Detroit, Mich.
Iler Co., 6605 St. Clair, Cleveland, O.
Kroeschell Bros. Co. ("Kroeschell-Schwartz" Gyrating Flame for Non-Ferrous Metals), 440 W Erie, Chicago, Ill.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Monarch Engineering & Mfg. Co. ("Steele-Harvey," Monarch," "Simplex" & "Monarch-Rockwell," Tilting Melting), American bldg, Baltimore, Md.
Naismith Geo. & Son (Steel), 6312 Butler, Pittsburgh, Pa.
Smythe, S. R. Co., 2022H Oliver bldg., Pittsburgh, Pa.
Strong, Carlisle & Hammond Co. ("S-C-H"), 1394 W 3rd, Cleveland, O.
Swindell Wm. & Bros., Jenkins Arcade bldg, Pittsburgh, Pa.
SURFACE COMBUSTION CO., THE, 334 Gerard av, Bronx, New York
See adv index at end of book
Tate-Jones & Co., Inc., Pittsburgh, Pa.

5063-4—Furnaces (Cupelling)

Colorado Iron Works Co., Denver, Colo.
Dempsey Furnace Co., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
DeRemer Blatchford Co., Dept. H, Railway Exchange bldg, Chicago, Ill.
See adv index at end of book
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Traylor Eng. & Mfg. Co., Allentown, Pa.

5065—Furnaces (Cyanide Hardening)

American Gas Furnace Co., Elizabeth, N. J.
Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
Bennett W. R. Co. ("Tread"), 104H New Britain av, Hartford, Conn.
CHICAGO FLEXIBLE SHAFT CO., 1150 S Central av, Chicago, Ill.
See adv index at end of book

STEWART INDUSTRIAL FURNACES
FOR ALL PURPOSES
Cyanide Hardening
Use STEWART Furnaces.
There's a STEWART Furnace for every requirement.
CHICAGO FLEXIBLE SHAFT COMPANY
1150 South Central Avenue, Chicago, Ill.

Combustion Utilities Corp., 8-10 Bridge, New York
Dempsey Furnace Co., 61-63 Cornelius av, Jersey City, N. J.
See adv index at end of book
MacLeod Co., 2227 Bogen, Cincinnati, O
See adv index at end of book
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Tate-Jones & Co., Inc., Pittsburgh, Pa.

5066— Furnaces (Dental)

Caulkins H. J. & Co., State & Griswald, Detroit, Mich.

5066a—Furnaces (Drop Forging)

CHICAGO FLEXIBLE SHAFT CO., 1150 S Central av, Chicago, Ill.
See adv index at end of book

STEWART INDUSTRIAL FURNACES
FOR ALL PURPOSES
Drop Forging
Use STEWART Furnaces.
There's a STEWART Furnace for every requirement.
CHICAGO FLEXIBLE SHAFT COMPANY
1150 South Central Avenue, Chicago, Ill.

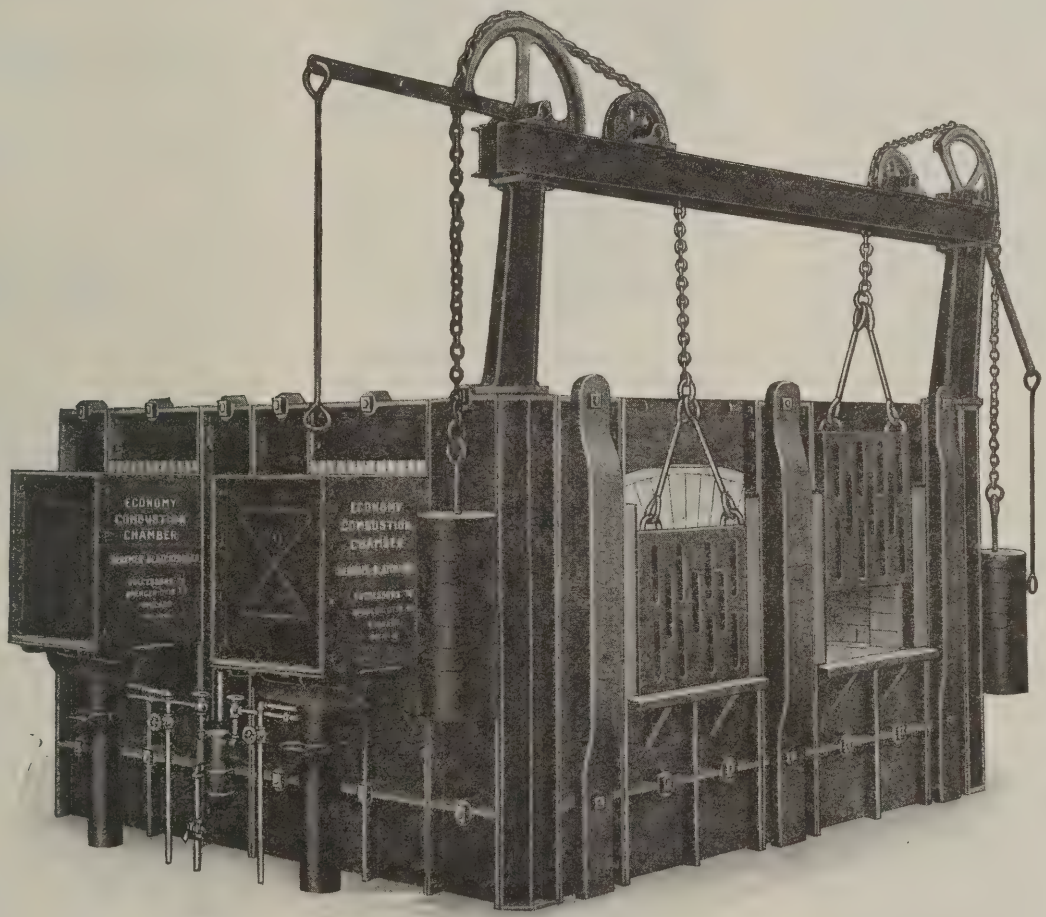
Economy Combustion Chamber Furnaces

With

Automatic Preheating and Oil Straining Devices

The **Economy Oil Furnace** is designed so that perfect combustion will be obtained before the fuel enters working chamber of furnace, and is a departure from the old method of burning oil. It is not necessary to purchase high grade oil as we can burn the lowest grade of fuel oil and obtain satisfactory results.

In addition to a large saving of oil over other types of furnaces, all **Smoke** and **Gas** are **eliminated.**



HAMMER FURNACE, No. 20

Our line of furnaces consists of all types of Forging Furnaces, Bulldozer Furnaces, Plate Furnaces, Flue Welding Furnaces, Rivet Heating Furnaces, Annealing and Heat Treating Furnaces, Automatic Feed Furnaces, Case Hardening Furnaces, Spring Fitting Furnaces, Tool Tempering Furnaces, Babbitt Furnaces, Car Bottom Furnaces, Foundry Core Drying Ovens and any special type of equipment where oil is used for fuel.

DEREMER—BLATCHFORD CO.

Railway Exchange *Dept. H* **CHICAGO**

5067— Furnaces (Electric)

Acheson Graphite Co. (Small for High Temperature), Niagara Falls, N. Y.
Ajax Electrothermic Corp, Trenton, N. J.
Am. Bridge Co., 71 B'way, New York
BARIO METAL CORP. ("Bario"), 147 Varick, New York
Booth Electric Furnace Co., 411 N Wells, Chicago, Ill.
Braun-Knecht-Heimann Co., (Combustion Tube), 576-584 Mission, San Francisco, Cal.
Central Scientific Co. (Laboratory), 460 E Ohio, Chicago, Ill.
Crowley John A. Co. ("Gronwall"), 120 Liberty, New York
Daigger A. & Co. (Laboratory), 54 W Kinzie, Chicago, Ill.
Denver Fire-Clay Co. (Laboratory), Denver, Colo.
Electric Furnace Co. ("Baily" Metal Melting & Heat Treating), Salem, Ohio
Elec. Furnace Constr. Co. ("Greaves-Etchells" System), 1015 Chestnut, Phila., Pa.
Electric Heating Apparatus Co. (Laboratory), 18 Nesbit, Newark, N. J.
Engelhard Chas., "Engelhard" for Laboratory X Experimental Purposes), Selling agent, 30 Church, New York
GENERAL ELECTRIC CO. (Heat Treating), Schenectady, N. Y.
See adv index at end of book
General Electric & Supply Co., 160 5th av, Mohawk bldg., New York
Greene Electric Furnace Co., 538 1st av S, Seattle, Wash.
HANOVIA CHEMICAL & MFG. CO. (For Laboratory Use), 100 Chestnut, Newark, N. J.
Hawley Down Draft Furnace Co., Easton, Pa.
Hoskins Mfg. Co. ("Hoskins," for Hardening Carbon Steel, Laboratory, etc), 4435 Lawton, Detroit, Mich.
Industrial Furnace Corp., 10 Post Office sq, Boston, Mass.
International Instrument Co., Cambridge, Mass.
Knott L. E. Apparatus Co. (For Experimental Purposes), 79 Amherst, Cambridge, Mass.
Leeds & Northrup Co. ("Hump"), 4901H Stenton av, Phila., Pa.
Ludlum Elec. Furnace Corp., Steel, Watervliet, New York.
Luehrs Electric Heating Co., 118 St. Clair av, N E, Cleveland, Ohio
See adv index at end of book
New York Central Iron Wks. Co., Inc., Dept. H, Hagerstown, Md.
Pittsburgh Elec. Furnace Co. (for Non-Ferrous Metals), H Union bldg, Pittsburgh, Pa.
ROCKWELL W. S. CO., 50 Church, New York
See adv index at end of book
Ryan F. J. & Co., Wesley bldg, Phila., Pa.
Sargent E. H. & Co. (For Laboratory), 150 E Superior, Chicago, Ill.
Stupakoff S. H. (For Experimental Work), 6639 Hamilton av, Pittsburgh, Pa.
Swindell Wm. & Bros., Jenkins Arcade bldg, Pittsburgh, Pa.
Tate-Jones & Co., Inc., Pittsburgh, Pa.
Thomas, A. H. & Co. (for Laboratory Dirs.), W Washington sq., Phila., Pa.
Webb Electric Furnace Corp., 42 Church, New York
Western Fdry. & Furnace Co., 3002 S Chandler, Tacoma, Wash.
Westinghouse Electric Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

5068—*Furnaces (Electric Hardening)

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Hoskins Mfg. Co. (Electric), 4435 Lawton, Detroit, Mich.
Luehrs Electric Heating Co., 118 St. Clair av, N E, Cleveland, Ohio
See adv index at end of book

Furnaces (Electricians')

See Furnaces, Gasoline Blast

5069— Furnaces (Enameling)

Anthony Co., ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
Ashland Fire Brick Co. (Brick), Ashland, Ky.
Caulkins H. J. & Co., State & Griswold, Detroit, Mich.
CHICAGO FLEXIBLE SHAFT CO., 1150 S Central av, Chicago, Ill.
See adv index at end of book
Dempsey Furnace Co., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
Dixon Wm. (Jewelers), 119 Fulton, New York
Electric Sales Service Co., 2532—6th, Berkeley, Cal.
Ferro Enameling, 4150 E. 56th, Cleveland, Ohio
Luehrs Electric Heating Co., 118 St. Clair av, N E, Cleveland, Ohio
See adv index at end of book

STEWART
INDUSTRIAL FURNACES
FOR ALL PURPOSES
Porcelain Enameling
Use STEWART Furnaces.
There's a STEWART Furnace for every requirement.
CHICAGO FLEXIBLE SHAFT COMPANY
1150 South Central Avenue, Chicago, Ill.

MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

THE SURFACE COMBUSTION CO.
Just to mention a few of the successful enameling installations are those of oil fired full carborundum muffle type, the Clark patent intermittent gas fired and recuperative gas fired furnaces. Also smelters.
THE SURFACE COMBUSTION CO.
334 Gerard Avenue Bronx, N. Y.

U. S. Smelting Furnace Co., Belleville, Ill.

5070—Furnaces (Enameling, Muffle)

Anthony Co., ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
Dempsey Furnace Co., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
Parker-Russell Mining & Mfg. Co., 3300 Morganford rd, St. Louis, Mo.
Rockwell W. S. Co., 50 Church, New York
See adv index at end of book
SURFACE COMBUSTION CO., THE, 334 Gerard av, Bronx, New York
See adv index at end of book

Furnaces (Evaporator)

See Evaporators

5071—Furnaces (Fagot Heating)

Dempsey Furnace Co., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
Penn Foundry & Mfg. Co. Wyomissing, Reading, Pa.
Tate-Jones & Co., Inc., Pittsburgh, Pa.

5071a— Furnaces (Flanging)

Anthony Co., ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
DEMPSEY FURNACE CO., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
Ferguson Furnace Co., Toledo, Ohio.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Surface Combustion Co., The (Bolt), 334 Gerard av, Bronx, New York
See adv index at end of book
Tate-Jones & Co., Inc., Pittsburgh, Pa.

5072—Furnaces (Flue Welding)

See also Flue Welding Machines

Anthony Co., ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
Dempsey Furnace Co., 61-63 Cornelius av, Jersey City, N. J.
See adv index at end of book
Ferguson Furnace Co., Toledo, O.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Mahr Mfg. Co., 1300 N E Quincy, Minneapolis, Minn.
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Railway Materials Co. ("Ferguson" Oil as Fuel), Railway Exch. bldg, Chicago, Ill.
Strong, Carlisle & Hammond Co. ("S-C-H"), 1394 W. 3rd, Cleveland, O.
SURFACE COMBUSTION CO., THE, 334 Gerard av, Bronx, New York
See adv index at end of book
Tate-Jones & Co., Inc., Pittsburgh, Pa.

5073—Furnaces (Forging, Etc.)

American Equipment Co., Norristown, Pa.
Anthony Co., ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
Ashland Fire Brick Co. (Brick), Ashland, Ky.
Baush Machine Tool Co. (Metals Div.), 156 Wason av, Springfield, Mass.
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Bellevue Furnace Co., 2971 Bellevue av, Detroit, Mich.
Best W. N., Inc. ("Calorex"), 11 B'way, New York
Burns Hydro Carbon Burner Co., Fort Plain, N. Y.
CHICAGO FLEXIBLE SHAFT CO. ("Stewart," Gas Blast or Oil, for Small Forgings, etc.), 1150 S Central av, Chicago, Ill.
See adv index at end of book

STEWART
INDUSTRIAL FURNACES
FOR ALL PURPOSES
Forging and Welding
Use STEWART Furnaces.
There's a STEWART Furnace for every requirement.
CHICAGO FLEXIBLE SHAFT COMPANY
1150 South Central Avenue, Chicago, Ill.

Combustion Utilities Corp., 8-10 Bridge, New York
De Remer-Blatchford Co. (Heat Treating), Dept. H, Railway Exchange bldg, Chicago, Ill.
See adv index at end of book
DEMPSEY FURNACE CO., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book

FORGE FURNACES
YOU WILL BE PLEASED WITH RESULTS OBTAINED AND LOW MAINTENANCE COST OF OUR FURNACES
TRADE MARK
DEMPSEY
INDUSTRIAL
HEATING
FURNACE CO.
61 Cornelison Ave., Jersey City, N.J.

Eclipse Fuel Engineering Co. ("Eclipse" Gas Fired), 100 Forbes, Rockford, Ill.
Ferguson Furnace Co., Toledo, Ohio.
Flinn & Dreffein Co. (Gas & Oil), 431 S Dearborn, Chicago, Ill.
Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.
Lindsay W W & Co. Inc., Harrison Bldg., Philadelphia, Pa.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Mahr Mfg. Co., 1300 N E Quincy, Minneapolis, Minn.
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Naismith Geo. & Son., 6312 Butler, Pittsburgh, Pa.
Railway Materials Co. ("Ferguson," Oil as Fuel), Railway Exchange bldg, Chicago, Ill.
ROCKWELL W. S. CO. (Preheater Type), 50 Church, New York
See adv index at end of book
Ryan F. J. & Co., Wesley bldg, Phila., Pa.
Strong, Carlisle & Hammond Co. ("S-C-H"), 1394 W 3rd, Cleveland, Ohio
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Tate-Jones & Co., Inc., Pittsburgh, Pa.
Union Drop Forge Co. (Also Crucible), 358 W Grand av, Chicago, Ill.
U. S. Gas Furnace Co. (Gas, Blast), 46 Clifford, Providence, R. I.

5074—Furnaces (Fuel Oil Burning)

American Equipment Co., Norristown, Pa.
Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
Baush Machine Tool Co. (Metals Div.), 156 Wason av, Springfield, Mass.
BEACH-RUSS CO., 38 Church, New York
See adv index at end of book
Bellevue Furnace Co., 2971 Bellevue av, Detroit, Mich.

Buckeye Products Co., Inc. ("Buckeye"), 915-917 W 5th, Cincinnati, Ohio
See adv index at end of book
Burns Hydro Carbon Burner Co., Ft. Plain, N. Y.
CHICAGO FLEXIBLE SHAFT CO., 1150 S Central av, Chicago, Ill.
See adv index at end of book
DEMPSEY FURNACE CO., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
Denver Fire Clay Co. ("Case"), Denver, Colo.
Economy Furnace Co., Chicopee, Mass.
Engr Co., 17 Battery pl, New York
Ferguson Furnace Co., Toledo, Ohio.
Fisher Alfred, 803 W Madison, Chicago, Ill.
Flinn & Dreffein Co., 431 S Dearborn, Chicago, Ill.
Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.
HAUCK MFG. CO., 136 10th, Brooklyn, N. Y. *See adv index at end of book*
Hausfeld Co., Harrison, O.
Industrial Furnace Corp., 10 Post Office sq, Boston, Mass.
Ingersoll-Rand Co. ("Leyner"), 11 B'way, New York *See adv index at end of book*
Leahy Mfg. Co., 1804 E 8th, Los Angeles, Cal.
Lindsay W W & Co. Inc., Harrison Bldg., Philadelphia, Pa.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Mirc's Fuel-Oil Equipment Co. ("Mircs"), Lancaster, Pa.
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Rockwell W. S. Co., 50 Church, New York
See adv index at end of book
Strong, Carlisle & Hammond Co. ("S-C-H"),1394 W 3rd, Cleveland, O.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

THE SURFACE COMBUSTION CO.

The most modern oil burner is the new Surface Combustion type, which automatically proportions the fuel and air. It can be used with either preheated or cold air.

THE SURFACE COMBUSTION CO.
334 Gerard Avenue Bronx, N. Y.

Tate-Jones & Co., Inc., Pittsburgh, Pa.
Vaughn Machinery Co. (For Wire Mills), Cuyahoga Falls, O.

5075—Furnaces (Galvanizing)

Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
CHICAGO FLEXIBLE SHAFT CO., 1150 S Central av, Chicago, Ill.
See adv index at end of book

STEWART INDUSTRIAL FURNACES
FOR ALL PURPOSES
Galvanizing
Use STEWART Furnaces.
There's a STEWART Furnace for every requirement.
CHICAGO FLEXIBLE SHAFT COMPANY
1150 South Central Avenue, Chicago, Ill.

Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

THE SURFACE COMBUSTION CO.

The radiant bed method of heating galvanizing kettles which insures maximum efficiency with minimum dross and an unusual kettle life.

THE SURFACE COMBUSTION CO.
334 Gerard Avenue Bronx, N. Y.

Vaughn Machinery Co., Cuyahoga Falls, Ohio

5076— Furnaces (Gas)

Abrams-Orton Mfg. Co., Wadsworth, O.
Amer. Gas Furnace Co. ("American"), Elizabeth, N. J.
Amer. Industrial Furnace Corp., 185 Devonshire, Boston, Mass.
Amsler-Morton Co., Fulton bldg, Pittsburgh, Pa.
Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
Babcock C. B. Co. ("High Efficiency"), 768 Mission, San Francisco, Cal.
Baush Machine Tool Co. (Metals Div.), 156 Wason av, Springfield, Mass.
Bay Engineering Co., 329 Jefferson, Oakland, Cal.
Bellevue Furnace Co., 2971 Bellevue av, Detroit, Mich.
BLAW-KNOX CO. (Water Cooled Burners only), 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Boston Stove Fdry. Co., 210 Border, Boston, Mass.
Braun-Knecht-Heimann Co. (Crucible, Melting & Muffle), 576-584 Mission, San Francisco, Cal.
BUCKEYE PRODUCTS CO., INC. ("Buckeye" Gas Metal Melting), 915-917 W 5th, Cincinnati, Ohio
See adv index at end of book
Calkins & Pearce ("Rex"), 251 E Long Columbus, O.
Campbell-Hausfeld Co., Harrison, Ohio
CHICAGO FLEXIBLE SHAFT CO., 1150 S Central av, Chicago, Ill.
See adv index at end of book

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FOR ALL PURPOSES
Gas or Oil Burning
Use STEWART Furnaces.
There's a STEWART Furnace for every requirement.
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1150 South Central Avenue, Chicago, Ill.

Columbus Heating & Ventilating Co. ("Columbus"), Columbus, O.
Combustion Utilities Corp., 8-10 Bridge, New York
DEMPSEY FURNACE CO., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
Denver Fire Clay Co. ("Case"), Denver, Colo.
Economy Furnace Co. Chicopee, Mass.
Freymuth L. H. Jr. ("Perfection" Gas Furnace), 311 E Pico, Los Angeles, Cal.
Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.
Guardian Gas Appliance Co., 1364 E 47th, Cleveland, O.
Holcroft & Co., 654H Epworth blvd, Detroit, Mich.
Independent Cornice & Furnace Works, Los Angeles, Cal.
Industrial Furnace Corp., 10 Post Office sq, Boston, Mass.
Koven L. O. & Bro., 154 Ogden Av, Jersey City, N. J. *See adv index at end of book*
Lowe Heater Works, 1104 Mission, S Pasadena, Cal.
McCorkle D. H. Mfg. Co. ("Hill"), 319 12th, Oakland, Cal.
McLaughlin Sheet Metal Wks., 221 J, Sacramento, Cal.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Marshall Foundry Co., 28th & R. R., Pittsburgh, Pa.
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg. Baltimore, Md.
Nat'l Gas Furnace Co., 9 Codding, Providence, R. I.
Oliver Oil-Gas Burner & Mach. Co. ("Oliver"), Dept. H, 21st & Pine, St. Louis, Mo.
Pacific Gas Radiator Co. ("Pacific"), 1740 W Washington, Los Angeles, Cal.
Pasadena Gas Appliance Co., 901 E Colorado, Pasadena, Cal.
Payne Furnace & Supply Co. ("Payne"), 154-162 N Los Angeles, Los Angeles, Cal.
Phillips Heating Ventilating & Mfg. Co. ("Browne," "Phillips" and "Martin Unit"), 1710 W Washington, Los Angeles, Col.
ROCKWELL W. S. CO., 50 Church, New York
See adv index at end of book
Scott Heating & Mfg. Co., 1135 N Melton av, Los Angeles, Cal.
Squier, Geo. L. Mfg. Co., B'way & Mortimer, Buffalo, N. Y.
Strong, Carlisle & Hammond Co. ("S-C-H"), 1394 W 3rd, Cleveland, O.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

THE SURFACE COMBUSTION CO.

"Blue Line" and made to order furnaces with the automatic proportioning devices which mean low fuel consumption, constant quality and best operating results.

THE SURFACE COMBUSTION CO.
334 Gerard Avenue Bronx, N. Y.

Tate-Jones & Co., Inc. ("Kirkwood"), Pittsburgh, Pa.
Unit System of Heating Mfg. Co. ("Magic Way"), 1502 E Washington, Los Angeles, Cal.
U. S. Smelting Furnace Co., Belleville, Ill.
Ward Heater Co., 1314 Central av, Los Angeles, Cal.

5077-8—Furnaces (Gas Blast)

American Gas Furnace Co., Spring & Lafayette, Elizabeth, N. J.
Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
Buckeye Products Co., Inc. ("Buckeye"), 915-917 W 5th, Cincinnati, Ohio
See adv index at end of book
CHICAGO FLEXIBLE SHAFT CO. ("Stewart"), 1150 S Central av, Chicago, Ill.
See adv index at end of book
Combustion Utilities Corp., 8-10 Bridge, New York
Dempsey Furnace Co., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
Garrison Brass & Machine Wks., 107 W 13th, New York.
Metals Production Equipment Co., Springfield, Mass.
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
U. S. Gas Furnace Co., 46 Clifford, Providence, R. I.

5079—Furnaces (Gas Soldering)

American Meter Co., & Clearfield, 17th, Philadelphia, Pa.
American Stove Co. ("Quickmeal"), 827 Chonteau av, St. Louis, Mo.
Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
Beach-Russ Co., 38 Church, New York
See adv index at end of book
BERNZ CO., INC., OTTO, 17 Ashland av., Newark, N. J.
See adv index at end of book
Bickelhaupt Geo. Skylight Works, 122 11th av, New York
Chicago Hardware Foundry Co. ("Turnlow"), 544 W Washington, N. Chicago, Ill.
Combustion Utilities Corp., 8-10 Bridge, New York
Crane Wm. M. Co. ("Vulcan"), 18 E 41th, New York
Diener Geo. W. Mfg. Co. (Automatic), 400 Monticello av, Chicago, Ill.
Eclipse Fuel Engineering Co. ("Eclipse"), 100 Forbes, Rockford, Ill.
Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.
Hones Chas. A. Inc. ("Buzzer" Automatic Blast), Baldwin, N. Y.
Johnson Gas Appliance Co. ("Johnson"), Cedar Rapids, Ia.
Odin Stove Mfg. Co. ("Odin"), Erie, Pa.
Penna. Furnace & Iron Co., 373 Pine Warren, Pa.
See adv index at end of book
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Warren Mach. Products Co. ("Superior"), Warren, Pa.
YOST MFG. CO. ("Yost" Improved Superior), Meadville, Pa.

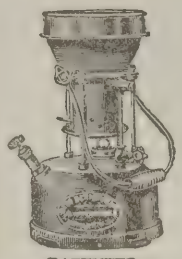
5079a— Furnaces (Gasoline)

Diener Geo. W. Mfg. Co., 400-420 Monticello av, Chicago, Ill.
See adv index at end of book

5080—Furnaces (Gasoline Blast)

American Stove Co. ("Reliable," "Quick Meal"), 827 Chonteau av, St. Louis, Mo.
Ashton Mfg. Co., 184 Emmet, Newark, N.J.

(Continued on following page)



PATENTED
No. 14 Pump Furnace
No. 13 Bulb Furnace
Gallon-Gasoline

Known the world over for
QUALITY, EFFICIENCY AND DURABILITY

"Always Reliable" Furnaces

Made from the best materials obtainable and by skilled workmen. Fitted with many improved features which are patented or have patents applied for.

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NEWARK, N. J., U. S. A.
ESTABLISHED 1876



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No. 50 Furnace, 3 Qts.
No. 60 Furnace, 1 Gal.
Gasoline-Kerosene

Furnaces (Gasoline Blast)—Cont.

BERNZ CO., INC., OTTO, 17 Ashland av., Newark, N. J.
See adv index at end of book

Best Light Co., 477 Second N E, Canton, O.

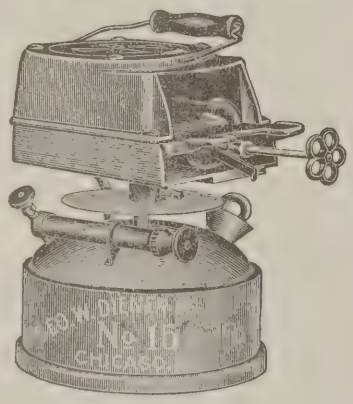
Clayton & Lambert Mfg. Co. (Also Kerosene), 10565 Knodell av, Detroit, Mich.

Detroit Torch & Mfg. Co., 12057 Cardoni av, Detroit Mich.

Diener Geo. W. Mfg. Co. ("Torrid"), 400 Monticello av, Chicago, Ill.

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CHICAGO, ILL., U. S. A.

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Garrison Brass & Machine Works, 107 W 13th, New York

Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.

Hauck Mfg. Co., 136 10th, Brooklyn, N. Y.
See adv index at end of book

MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

Merchant & Evans Co., Washington av & 21st, Phila., Pa.

Sun Vapor & Gas Street Light Co., Canton, O.

Turner Brass Works ("Bonanza"), Sycamore, Ill.

Rockwell W. S. Co., 50 Church, New York
See adv index at end of book

5081—Furnaces (Glass Mfrs.')

Amsler-Morton Co., Fulton bldg, Pittsburgh, Pa.

Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.

Cox & Sons Co., 5th & Chestnut, Phila., Pa.

Dixon H. L. Co., Rosslyn rd, Carnegie, Pa.

Laclede-Christy Clay Products Co., Railway Ex. bldg, St. Louis, Mo.

SURFACE COMBUSTION CO., THE, 334 Gerard av, Bronx, New York
See adv index at end of book

Furnaces (Gold & Silver Melting)

See Furnaces, Assayers' & Bullion

5081a—Furnaces (Gun Barrel Heating)

Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.

Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

5081b—Furnaces (Gun Shrinking)

Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.

Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

5081c—Furnaces (Hardening)

See also Furnaces, Annealing & Case Hardening

CHICAGO FLEXIBLE SHAFT CO., 1150 S Central av, Chicago, Ill.
See adv index at end of book

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5082—Furnaces (Heat Treating)

Advance Furnace & Engrg. Co., Allen, Springfield, Mass.

Amer Industrial Furnace Corp., 185 Devonshire, Boston, Mass.

ANTHONY CO. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.

Bennett W. R. Co. ("Triad"), 1046H New Britain av, Hartford, Conn.

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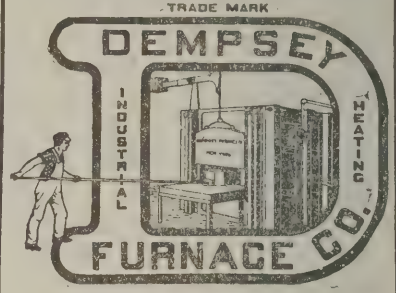
Combustion Utilities Corp., 8-10 Bridge, New York

DEMPSEY FURNACE CO., 61-63 Cornelison av, Jersey City, N. J.
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HEAT TREATING FURNACES

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Electric Furnace Co., The, Alliance, O.

Electric Furnace Co., Salem, Ohio

GENERAL ELECTRIC CO. (Electric), Schenectady, N. Y.
See adv index at end of book

Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.

Hauck Mfg. Co., 136 10th, Brooklyn, N. Y.
See adv index at end of book

Holcroft & Co. 6545H Epworth blvd, Detroit, Mich.

Hoskins Mfg. Co. (Electric), 4435 Lawton, Detroit, Mich.

Industrial Furnace Corp. ("Smallwood" "Hermansin," 10 Post Office sq, Boston, Mass.

Johnson Gas Appliance Co. ("Johnson"), Cedar Rapids, Ia.

Lancaster Iron Works ("Lancaster"), Dept. H., Lancaster, Pa.

Leeds & Northrup Co. (Steel), 4901H Stenton av, Phila., Pa.

Lindsay W. W. & Co., Inc., Harrison bldg, Phila., Pa.

MacLeod Co., 2227 Bogen, Cincinnati, O.
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Mahr Mfg. Co., 1300 N E Quincy, Minneapolis, Minn.

Oil Burner Supply Co., 710 N Main, Los Angeles, Cal.

ROCKWELL W. S. CO., 50 Church, New York. *See adv index at end of book*

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Standard Fuel Engng. Co., 75 W Baltimore, Detroit, Mich.

Surface Combustion Co., The, 334 Gerard av, Bronx, New York
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Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

5083— Furnaces (Heating)

Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.

Baush Machine Tool Co. (Metals Div.), 156 Wason av Springfield, Mass.

Best W. N., Inc. ("Colorex"), 11 B'way, New York

Booth Electric Furnace Co. (Electric), 411 N Wells, Chicago, Ill.

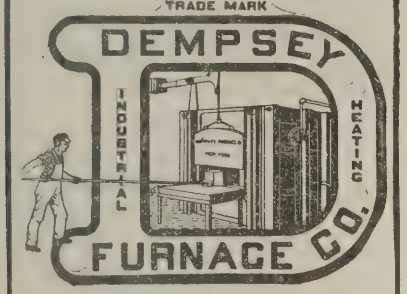
Burns Hydro Carbon Burner Co., Fort Plain, N. Y.

Caloric Furnace Co., 1531 Locust, Phila., Pa.

DEMPSEY FURNACE CO., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book

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Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.
Goodenow F. J. Furnace Co. ("Goodenow"), 255 Meldrum, Detroit, Mich.
HAUCK MFG. CO., 136 10th, Brooklyn, N. Y.
See adv index at end of book
Lindsay W. W. & Co., Harrison bldg, Phila., Pa.
Luehrs Electric Heating Co., 118 St. Clair av, N E, Cleveland, Ohio
See adv index at end of book
McClure G. W. Son & Co., Bessemer bldg, Pittsburgh, Pa.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Morgan Construction Co. (Continuous), Worcester, Mass.
Naismith Geo. & Son., 6312 Butler, Pittsburgh, Pa.
Oil Burner Supply Co., 710 N Main, Los Angeles, Cal.
Rhodes Mfg. Co., Lane av & Sibley, Grand Rapids, Mich.
Rockwell W. S. Co. (Belt, Chain, Plate, Rivet, etc.), 50 Church, New York
See adv index at end of book
Ryan F. J. & Co., Wesley bldg, Phila., Pa.
Smythe, S. R. Co., 2022H, Oliver bldg, Pittsburgh, Pa.
Strong, Carlisle & Hammond Co. ("S-C-H"), 336-344 Frankfort av, N W, Cleveland, O.
Swindell Wm. & Bros., Jenkins Arcade bldg, Pittsburgh, Pa.
Vaughn Machinery Co., Cuyahoga Falls, O.
Wellman-Seaver-Morgan Co. (Continuous), E 70th & Central av, Cleveland, O.

5084—Furnaces (High Speed Steel)

American Gas Furnace Co. (Gas), Spring & Lafayette, Elizabeth, N. J.
Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
Bellevue Furnace Co. (Fuel Oil Burning Muffle), 2971 Bellevue av, Detroit, Mich.
Bennett W. R. Co. ("Triad"), 1045H New Britain av, Hartford, Conn.
Best W. N., Inc. ("Caloren"), 11 B'way, New York
Burns Hydro Carbon Burner Co., Ft. Plain, N. Y.
CHICAGO FLEXIBLE SHAFT CO. ("Stewart," Gas or Oil Blast), 1150 S Central av, Chicago, Ill.
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Crowley John A. Co., 120 Liberty, New York
Dempsey Furnace Co., 61-63 Cornelison av, Jersey City, N. J.
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Eclipse Fuel Engineering Co. ("Eclipse" Gas Fired), 100 Forbes, Rockford, Ill.
Ferguson Furnace Co., Toledo, Ohio.
Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.
Hoskins Mfg. Co. (Electric), 4435 Lawton, Detroit, Mich.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Naismith Geo. & Son, 6312 Butler, Pittsburgh, Pa.
Rockwell W. S. Co., 50 Church, New York
See adv index at end of book
Strong, Carlisle & Hammond Co. ("S-C-H"), 1394 W 3rd, Cleveland, O.
Sullivan Machinery Co. (Furnace Only, Drill Steel Heating, Oil or Gas), 122 S Michigan av, Chicago, Ill.
SURFACE COMBUSTION CO., THE, 334 Gerard av, Bronx, New York
See adv index at end of book
Swindell Wm. & Bros., Jenkins Arcade burgh, Pa.
U. S. Gas Furnace Co., 46 Clifford, Providence, R. I.

5085— Furnaces (Hop)

Atlas Heating & Ventilating Co., 557-67 4th, San Francisco, Cal.
Gross Bros., 518 E 8th, Eugene, Oregon
Munnsville Plow Co. ("Duplex," "O. K."), Munnsville, N. Y.

5086—Furnaces (Hot Air, Gas for Fuel)

Anderson Gas Appliance Co. ("Sav-Yur Gas"), 190 Madison, Portland, Ore.
Babcock C. B. Co. ("High Efficiency"), 768 Mission, San Francisco, Cal.
Barber Mfg. Co., Ashtabula, O.
Buffalo Co-Operative Stove Co. ("Amherst"), Amherst & Tonawanda, Buffalo, N. Y.
Century Stove & Mfg. Co. ("Century"), Johnstown, Pa.
Gabriel Tubular Furnace Co., 114 1st, Portland, Ore.
Heckler Bros., 919H Liberty av, Pittsburgh, Pa.
Hess Furnace Mfg. Co., 304½ Oak, Portland, Ore.
Hughes E. F. ("Perfection"), Titusville, Pa.
Independent Cornice & Furnace Wks. ("Keays"), 1951 S Los Angeles, Los Angeles, Cal.
International Heater Co., Utica, N. Y.
Kauffman-Norton Co. ("Electrogas"), Rialto bldg, San Francisco, Cal.
Mellott Furnace Co., 955 Liberty av, Pittsburgh, Pa.
Montague Range & Furnace Co., 380 6th, San Francisco, Cal.
Payne Furnace & Supply Co. ("Twin Giant"), 158-60 N Los Angeles, Los Angeles, Cal.
Penna. Furnace & Iron Co., 373 Pine, Warren, Pa. *See adv index at end of book*
Scientific Heater Co., 2104 Superior Via, Cleveland, O.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Taylor W. C., 313 S Fair Oaks av, Pasadena, Cal.

5087—Furnaces (Hot Air, Mfrs.)

ALABAMA.

MONTGOMERY—Janney & Co.

CALIFORNIA.

BERKELEY—**MORK WALTER** ("Vassal" Gas & Oil Burning), Hearst & San Pablo av
EMERYVILLE—Colmar Mfg. Co. ("Hotomatic")
LONG BEACH—Ward Fred J. ("Vanco" & "Evenheat"), 1309 W Broadway
LOS ANGELES—Braasch A. J. Heater Co., 5831 Santa Monica blvd
Freymuth L. H. Jr. ("Perfection" Gas Furnace), 311 E Pico
Hollywood Cornice & Heating Co., 1253 Hollywood blvd
Independent Cornice & Furnice Wks. ("Keays"), 1951 S Los Angeles
Pacific Gas Radiator Co. ("Pacific"), 1740 W Washington
Payne Furnace & Supply Co., 158-60 N Los Angeles
Phillips Heating Ventilating & Mfg. Co. ("Browne," "Phillips" and "Martin Unit"), 1710 W Washington
Scott Heating & Mfg. Co., 1135 N Melton av
Unit System of Heating Mfg. Co. ("Magic Way"), 1502 E Washington, Los Angeles, Cal.
Ward Heater Co., 1314 Central av
OAKLAND—McCorkle D. H. Mfg. Co. ("Halls"), 319 12th
SACRAMENTO—McLaughlin Sheet Metal Wks., 221 J
SAN DIEGO—**INGLE MFG. CO.** ("Ingle" Gas or Oil), 643-49 G
SAN FRANCISCO—**Anderson Heating Co.,** 440—5th
Babcock C. B. Co. ("High Efficiency"), 768 Mission
Bay City Furnace Co. ("Bay City"), 72 Tehama
Mission Foundry & Stone Works, 2256 Harrison
Montague Range & Furnace Co., 826 Mission
Royal Heating Co., 230 Minna
Steiger & Kerr Stove & Foundry Co., Folsom & 18th

COLORADO.

DENVER—Shane Furnace & Metal Appliance Co., W Warren av. & S Delaware

CONNECTICUT.

BRIDGEPORT—Green M. A. & Co. ("Culver" Tubular), 187 Congress
BRISTOL—Turner Heater Co.
NORWICH — Richmond Radiator Co. ("Richmond"), Main Office, New York
PUTNAM—Putnam Foundry & Machine Co.
STAMFORD—Stamford Foundry Co.

GEORGIA.

ATLANTA—Moncrief Furnace Co., Dept H.

ILLINOIS.

BELLEVILLE—Oakland Foundry Co. ("Z-Ro")
BLOOMINGTON—American Fdry & Furnace Co.
MaGirl P. H.
CHICAGO—Co-Operative Foundry Co., 505 S Clinton
Excelsior Steel Furnace Co., 113 S Clinton
Hamilton Alfred O., 820 E 43d
Hess Warming & Ventilating Co. ("Hess"), 1211 S Western
Olson A. J. & Co., 217 W Lake
Quaker Mfg. Co. ("Quaker" Steel), 140 N Dearborn
Reynolds B. F. & Co., 14 W Ill.
Robinson Furnace Co., ("Gem"), 205 W Lake
Servoss Furnace Co., 16 W Ill.
Water Arch Furnace Co., 38 S Dearborn
DANVILLE—Koons Wm. U.
GALENA—Westwick John & Son
JOLIET—Moore Bros. Co. ("Moore's")
MOLINE—Tyrell B. B.
MONMOUTH—Maple City Furnace Co.
PEORIA—Meyer Furnace Co.
QUINCY—Excelsior Stove & Mfg. Co. ("National")
Gem City Stove Mfg. Co. ("German")
SYCAMORE—Hero Furnace Co. ("Hero"),

INDIANA.

HUNTINGTON—Majestic Co. ("Majestic" Pipe & Pipeless)
INDIANAPOLIS—Hawkins Rollyn, 914 Elm
Kruse & Dewenter, 427 E Washington
Rybolt Heating Co., 632 Mass. av
Thiele L. C. Co., 107 S Meridan
Troy Bros.
KOKOMO—Globe Stove & Range Co. ("Globe")
MICHIGAN CITY—Bartholomew Co.

IOWA.

CEDAR RAPIDS—Cedar Rapids Foundry & Machine Co.
COUNCIL BLUFFS—Sprague Foundry & Mfg. Co. ("Crater," "Sprague" Underfeed)
DES MOINES—Campbell Heating Co.
Green Foundry & Furnace Works
Keith Furnace Co.
MARSHALLTOWN—Lennox Furnace Co. (Hard & Soft Coal & Wood, "Lennox," "Torrid Zone," "Harmetic")
WATERLOO—Bovee Furnace Works (Bovee Furnace Works ("Bovee," Compound Radiator Furnace
Gibson Mfg Co., 415 Niles
Waterloo Register Co. ("Carter's")

KANSAS.

LEAVENWORTH — Great Western Stove Co.
Varney, H. C. (Steel Plate, Portable & Brick)

MAINE.

BANGOR—Wood & Bishop Co.
PORTLAND—Portland Stove Foundry Co.

(Continued on following page)

Furnaces (Hot Air, Mfrs.)—Cont.

MARYLAND.

BALTIMORE—Bibb B. C. Stove Co. ("Bibb," "Peerless Improved," "B. B." Portable, Sanitary), 109 Light
Sexton, S. B. Stove & Mfg. Co. (also Pipeless), 500 W Conway
Sheppard Isaac A. & Co. ("Paragon," "Excelsior"), 500R S Chester
Weiskittel, A. & Son Co., 12th & E Lombard

MASSACHUSETTS.

BOSTON—Chubbuck Furnace Co., 1738 Washington
Clark Henry N. Co., 56 Union
Hertig Furnace Co. ("Kohler"), 1343 Columbus av
Howes S. M. Co., 42 Union
Magee Furnace Co., 38 Union
Ridgway Furnace Co., 80 Beverly
Roddaj Robt. J. Co., 138 Harrison av
Walker & Pratt Mfg. Co. ("Crawford"), 31 Union
CHELSEA—Dighton Furnace Co., 260 Congress
MANSFIELD—Chilson Furnace Co.
METHUSEN—Sanborn Furnace Co.
OAKHAM—Dean Walter R.
WATERTOWN—Walker & Pratt Mfg. Co.
WESTFIELD—Brien Heater Co. ("Brien" & "Waldron")

MICHIGAN.

BAY CITY—Garland M. Co.
DETROIT—Detroit Stove Works ("Detroit Jewell" "Coal Saver," 1338 Jefferson av
Hare A. A., 2112 Woodward av
Ideal Furnace Co., 530 Jefferson av
Michigan Stove Co. ("Garland"), Adair & Jefferson
Peninsular Stove Co.
Smith Peter Heater Co., 1843 Mt. Elliott
DOWAGIAC—Beckwith Co. ("Round Oak")
Rudy Furnace Co.
HOLLAND—Holland Furnace Co.
KALAMAZOO—Kalamazoo Stove Co.
MARSHALL—Marshall Furnace Co.
Simons-Leedle Co. ("Dobbins" Tubular)
MONROE—Monroe Foundry & Furnace Co. ("Floral City")
NORTHVILLE—American Bell & Foundry Co.
PETOSKEY—Burnett Foundry & Machine Works (Ltd.)

MINNESOTA.

MINNEAPOLIS—Andrews Heating Co. ("Andrews")
Roberts-Hamilton Co. ("Storm King"), 413 S 4th
NEW DULUTH—Western Steel Products Co.
NORTHFIELD—Northfield Furnace Co. (Moist Air for Coal or Wood)
ST. PAUL—Prendergast Bros., 20 E 6th

MISSOURI.

INDEPENDENCE—Independence Stove & Furnace Co.
KANSAS CITY—Kansas City Furnace Co. ("Ideal"), 326H W 6th
Security Stove & Mfg. Co., 17th & Oakland av
ST. LOUIS—American Furnace Co., 2725 Morgan
Brinkmann J. H. & Sons, 1913 Olive
Buck's Stove & Range Co., 3500 N 2nd
Dooly Jno. E. Hardware Co., 5107 Delmar
Haynes-Langenberg Mfg. Co. ("Front Ranks" Steel), 4045 Forest Park blvd
Stockhoff Supply Co., 107H N Main
Wrought Iron Range Co., 5651 Natural Bridge rd

NEBRASKA.

OMAHA—Standard Furnace & Supply Co. ("Nesbit")

NEW JERSEY.

JERSEY CITY—Boynton Furnace Co., Pacific av
NEWARK—Thatcher Furnace Co., 36 St. Francis
TRENTON—Mott J. L. Iron Works

NEW YORK.

BUFFALO—Buffalo Co-operative Stove Co. ("Amherst"), Amherst & Tonawanda
CORNING—Corning Mfg. Co. ("The Victor")
Hood Furnace & Supply Co. ("Our Home," "New Home," "Cottage Home," "Cheerful Home")
GENEVA—Summit Foundry Co.

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Janes & Kirtland, 133 W 44th
Nugent Thos., 223 E 80th
Richardson & Boynton Co., 260 5th av
Southard Robertson Co., 259 Water
Surface Combustion Co., The, 334 Gerard av, Bronx
See adv index at end of book
Thatcher Furnace Co., 135 W 35th
Union Stove Works ("Astor" "Storm King"), 70 Beekman
Wear John B. & Son, 507 W 35th

End of New York City

NIAGARA FALLS—Niagara Falls Furnace Co. ("Fremont")
PEEKSKILL—Southard - Robertson Co., Dept. H
Union Stove Works
ROCHESTER—Co-Operative Foundry Co. ("Ajax," "Red Cross")
Enterprise Foundry Co. ("Ariel")
Galusha Stove Co. ("Norman Phoenix")
Sill Stove Works ("Sterling" & "Natural Air"), 524 Oak
SYRACUSE—Kelsey Heating Co. ("Kelsey")
Landers W. H. Co., 104 E Willow
TROY—Burdett, Smith & Co.
Fuller & Warren Co.
UTICA—Giblin & Co. ("Standard")
Hart & Crouse Co. ("Royal"), 301 Turner
International Heater Co. ("International," "International Carton," "International Duke," "International Earl," "International Baronet," "International Princess," "International Count," also "International One-Pipe" Heater)
Utica Heater Co.

OHIO.

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Wise Furnace Co. ("Wise")
ASHTABULA—Barber Mfg. Co. ("Buckeye," "Challenge," "Ideal")
BUTLER—Switzer C. M.
CADIZ—Gammeter W. F. ("Reflex")
CANTON—Yost Furnace Co., 237 2d S W
CINCINNATI—Grossius John Furnace Co., 318 E 8th
Hammond Heating Co., 130 E Pearl
Miller Wm. Range & Furnace Co., 7th & B'way
Monitor Stove Co. ("Caloric" pipeless), C. H. & D. R. R., nr Gest
Williamson Heater Co. ("Peck-Hammond"), 335 W 5th
CLEVELAND—Auer Register Co., 360H Payne av
Bennett Furnace Co. ("Cleveland," "Euclid," "Ohio"), 6531 Euclid av
Forest City Foundry & Mfg. Co. ("Monarch," "Niagara," "Imperial," "Pyramid"), 1220 Main av
Henry Furnace & Foundry Co. ("Moycrief"), 825 Long av
Mannen John E. Co. ("Manest" Combination Coal & Gas), 2247 St. Clair
Scheible-Moncrief Heater Co., 2548 E 79th, Cleveland, O.
COLUMBUS—Columbus Heating & Ventilating Co. ("Columbia," "U. S.," "Ohio," Coal or Gas, for Schools, Churches, etc)
CRESTLINE—Schill Bros. Co. ("Cozy" Pipeless), Dept. H
DAYTON—Buckeye Steel Furnace Co. (Steel)
Gem City Stove Co. ("Clermont")
National Furnace Co. ("National Hustler," "National Star")
DOVER—Myers Bros. ("Mybo")
ELYRIA—Fox Furnace Co. ("Sunbeam")
HAMILTON—Estate Stove Co. Estate
MARTINS FERRY—Stanton Heater Co. ("Stanton" Seamless)
MASSILLON—Hess-Snyder Co. ("Boomer")
NEWARK—Simpson Fdry Co.
RAVENNA—Ravenna Furnace & Heating Co.
SPRINGFIELD—Patric Furnace Co.
Progress Furnace Co.
WILMINGTON—Farquhar Furnace Co. ("Farquhar")
YOUNGSTOWN—Mahoning Foundry Co.
Youngstown Furnace Co. ("Lion" Combination, "Apex" Bessemer)

OREGON

EUGENE—Gross Bros., 513 E 8th
PORTLAND—Acme Furnace Co. ("Acme" Incline Tube), 271 Hawthorne av
Anderson Gas Appliance Co. ("Sav-Yur-Gas"), 190 Madison
Finnigan & Williams, Inc. ("F. & W."), 205 Clay
General Heating Co. ("Mahoney"), 480 Hawthorne av
Hess Furnace Mfg. Co., 304½ Oak
McPherson W. G. Co. ("Regal," "Thermus," "Victor"), 19th & Wilson
Montag Stove Works, 101 W Columbia blvd
SALEM—Roseborough W. W.
SILVERTON—Silverton Blow Pipe Co. "Sibloco," 109H W Main

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CONNELLSVILLE—Munson Heater Co., Ltd.
DANVILLE—Danville Stove & Mfg. Co. ("Beaver")
ERIE—Krack Gust & Son
Patterson & Stirling
HARRISBURG — Harrisburg Mfg. & Boiler Co.
LEHIGHTON—Lehigh Stove & Mfg. Co.
PHILADELPHIA—Caloric Furnace Co. (Pipeless), 1531 Locust
Liberty Stove Co., 308 Chestnut
Makin Heating Co., 1827 Filbert
Mershon Patent Shaking Grate Works, 5750 Westminster
Philadelphia Stove & Iron Fdry Co., 1631 N 5th
Reynolds J & Son, 1613 Filbert
Rust Engineering Co., 311 Ross
Spear Jas. Stove & Heating Co., 1823 Market
Taylor, F. W. & Son, 259H S 4th
Tubular Heating & Ventilating Co. ("Forbes," "Blaze"), 232H Quarry
PITTSBURGH—Heckler Bros. ("Heckler" Pipe & Pipeless), 919H Liberty av
Rust Engineering Co., 311 Ross
Stove & Range Co. of Pittsburgh, Preble av, nr Superior bridge
POTTSTOWN — March-Brownback Stove Co. ("Crown")
POTTSVILLE—Pottsville Foundry & Stove Co. ("Derr")
QUAKERTOWN—Quakertown Stove Wks
READING—Geissler Bros.
Mount Penn Stove Works
Prizer Painter Stove Co. ("Prizer"),
Reading Stove Works ("Othello," "Sunshine")
ROYERSFORD — Buckwalter Stove Co. ("Eclipse")
Floyd-Wells Co. ("Bengal," "Tiger")
SPRING CITY—Keystone Stove Foundry
TITUSVILLE—Hughes E. F.
WARREN—Penna. Furnace & Iron Co. ("Penna" Gas for Fuel), 373 Pine
See adv index at end of book

RHODE ISLAND.

PROVIDENCE—Barstow Stove Co., 116 Point

TEXAS.

SAN ANTONIO—Jewett Cornice & Roofing Co.
SCHULENBURG—Ruhmann G. E. (Steel)

VIRGINIA.

RICHMOND — RICHMOND STOVE CO. (One Pipe & Pipeless), Dept. H, 2506 E Main

WASHINGTON.

SEATTLE—Majestic Furnace & Mfg. Co. ("Majestic"), 1517 6th av
Mueller L. J. Furnace Co., 410 Occidental av

SPOKANE—Harold Furnace & Mfg. Co. ("Harold"), E 3310 Sprague av

TACOMA—Hyder Furnace Co., 108 S 15th
Western Foundry & Furnace Co. ("Western," "Northwestern"), 3002 Chandler

WISCONSIN.

MILWAUKEE—Fuller-Warren Co. ("Stewart"), 32d c Wright
Mueller L. J. Furnace Co. ("Mueller")
Schwab R. J. & Sons Co. ("Gilt Edge 283 Clinton

NEENAH—Bergstrom Stove Co.

5087a—Furnaces (Industrial)

Chicago Flexible Shaft Co., 1150 S Central av, Chicago, Ill.
See adv index at end of book

Dempsey Furnace Co., 61 Cornelison av, Jersey City, N. J.
See adv index at end of book

Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

THE SURFACE COMBUSTION CO.

8 GREAT SERVICES

1: Fuel Surveys
2: Plant Layouts
3: Standard Furnaces
4: Furnace Designs
5: Converting Furnaces
6: Developing Specials
7: The Blue Line
8: Auxiliary Equipment

THE SURFACE COMBUSTION CO.
334 Gerard Avenue Bronx, N. Y.

5087b—Furnaces (Japanning)

Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.

Keller A. E., 136 Beekman, New York

Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

5088— Furnaces (Jewelers')

Beach-Russ Co., 38 Church, New York
See adv index at end of book

Dempsey Furnace Co., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book

Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.

Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

U. S. Gas Furnace Co. (Gas Blast), 46 Clifford, Providence, R. I.

Worthington & Raymond (Jobbers, "Optimus," "W. & R."), 71 Murray, New York.

5089— Furnaces (Kerosene)

Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.

Ashton Mfg. Co. (Blast), 184 Emmet, Newark, N. J.

BERNZ OTTO, 17 Ashland, Newark, N. J.
See adv index at end of book

Clayton & Lambert Mfg. Co., 1370-80 Beaubien, Detroit, Mich.

Dempsey Furnace Co., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book

Detroit Torch & Mfg. Co., 12057 Cardoni av, Detroit, Mich.

Globe Gas Light Co. ("Barthel," Soldering & Babbitt), 25 Union, Boston, Mass.

HAUCK MFG. CO., 136 10th, Brooklyn, N. Y. *See adv index at end of book*

Otto, Wm. H. Metal Goods Corp. ("Khotal"), 401 St. Paul's av, Jersey City, N. J.

MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.

Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

Turner Brass Works (Blast), Sycamore, Ill.

5089a—Furnaces (Laboratory)

See also Furnaces, Assayers and Bullion; also Furnaces Crucible, Furnaces Electric

Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

THE SURFACE COMBUSTION CO.

"The Volcano" describes it best. For cone testing, coal ash and any test work up to temperatures of 3300 degrees F. It's so simple, too.

THE SURFACE COMBUSTION CO.
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5090—Furnaces (Lead for Galvanizing Wire)

American Industrial & Engineering Co., 53 W Jackson blvd, Chicago, Ill.

Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.

MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

Vaughn Machinery Co. (Annealing), Cuyahoga Falls, O.

5091—Furnaces (Lead Melting)

Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.

Bennett W. R. Co. ("Triad"), 1045H New Britain av, Hartford, Conn.

Biehl Iron Works, Inc. (Portable & Stationary), Reading, Pa.

Buckeye Products Co., Inc. ("Buckeye"), 915-917 W 5th, Cincinnati, Ohio
See adv index at end of book

CHICAGO FLEXIBLE SHAFT CO., 1150 S Central av, Chicago, Ill.
See adv index at end of book

Dempsey Furnace Co., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book

Ferguson Furnace Co., Toledo, Ohio.

Focht Geo. Sons (Pipe Line), 117-119 Adams, Hoboken, N. J.

Hauck Mfg. Co., 136 10th, Brooklyn, N. Y.
See adv index at end of book

HAUCK TRADE MARK

FURNACES—Lead Melting Kerosene burning lead or Babbitt Melting Furnaces, stationary or on wheels. Made in 200, 450 and 850 pounds capacity.

"No waiting for hot metal."

HAUCK MANUFACTURING COMPANY
136 10th STREET BROOKLYN, N. Y.

Leadite Co. (Gasoline), Land Title bldg, Phila., Pa.

Littleford Bros. (Plumbers, Tinners, etc.), 444 E Pearl, Cincinnati, Ohio
See adv index at end of book

MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.

PENN FOUNDRY & MFG. CO., Wyomissing, Reading, Pa.

Phillips Doup & Co. ("National"), 44th & 1st av, Brooklyn, N. Y.

Pollard Jos. G., 141 Raymond, Brooklyn, N. Y.

Ryan F. J. & Co., Wesley bldg, Phila., Pa.

Smith A. P. Mfg. Co. ("Economic," "O'Brien"), East Orange, N. J.

Sperry D. R. & Co. (Salamander Type), Batavia, Ill.

Strong, Carlisle & Hammond Co. ("S-C-H"), 1394 W 3rd, Cleveland, O.

Steubner G. L. Iron Works, Queensboro Terminal, Long Island City, N. Y.

SURFACE COMBUSTION CO., THE, 334 Gerard av, Bronx, New York
See adv index at end of book

Union Iron Works, Hoboken, N. J.

5092—Furnaces (Lead Tempering)

American Industrial & Engineering Co., 53 W Jackson blvd, Chicago, Ill.

Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.

BEACH-RUSS CO., 38 Church, New York
See adv index at end of book

Dempsey Furnace Co., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book

Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.

Improved Appliance Co., 413 Kent av, B'klyn, N. Y.

Littleford Bros., 444 E Pearl, Cincinnati, O
See adv index at end of book

MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

5093—Furnaces (Liquid Boiling)

Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.

Beach-Russ Co., 38 Church, New York
See adv index at end of book

MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

5094—Furnaces (Liquid Fuel)

Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.

Best W. N. Inc. ("Calorex"), 11 B'way, New York

Braun Corporation ("Braun," for Assayers, Mining), 363 New High, Los Angeles, Cal.

Buckeye Products Co., Inc. ("Buckeye"), 915-917 W 5th, Cincinnati, Ohio
See adv index at end of book

Chicago Flexible Shaft Co. ("Stewart," for Soft Metal, etc.), 5600 W Roosevelt rd, Chicago, Ill.

Dempsey Furnace Co., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book

Ferguson Furnace Co., Toledo, Ohio.

MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.

Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

5095— Furnaces (Locomotive)

American Arch Co. ("Gaines" Combustive Combination Chambers), 17 E 42d, New York

MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

5096—Furnaces (Magnet Heating)

MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

Rockwell W. S. Co., 50 Church, New York
See adv index at end of book

5097—Furnaces (Malleable Annealing & Melting)

Amsler-Morton Co., Fulton bldg, Pittsburgh, Pa.

Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.

Dempsey Furnace Co., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book

Holcroft & Co., 6545H Epworth blvd, Detroit, Mich.

MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

THE SURFACE COMBUSTION CO.

Recuperation plus automatic proportioning for melting and continuous annealing makes malleable plants prosperous.

THE SURFACE COMBUSTION CO.
334 Gerard Avenue Bronx, N. Y.

Whiting Foundry Equipment Co., 157th & Halstead, Chicago

5098— Furnaces (Melting)

See also Furnaces, Brass & Copper Melting; also Furnaces, Crucible

American Equipment Co., Norristown, Pa.

American Gas Furnace Co., Spring & Lafayette, Elizabeth, N. J.

Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.

Automatic Furnace Co., 1st & Harshman, Dayton, O.

Beach-Russ Co., 38 Church, New York
See adv index at end of book

Best W. N. Inc. ("Calorex"), 11 B'way, New York

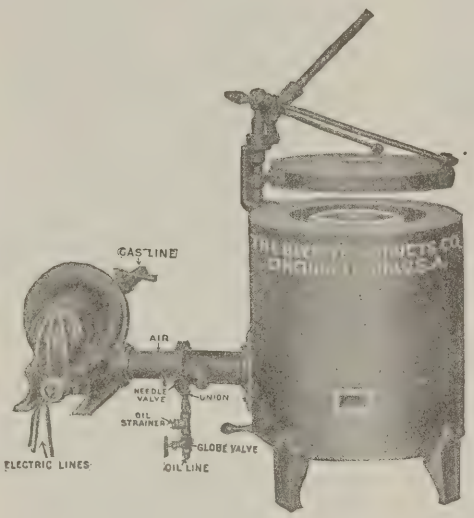
Booth Electric Furnace Co., 411 N Wells, Chicago, Ill.

(Continued on following page)

BUCKEYE PRODUCTS—

FURNACES AND REFRACTORIES

Non-Ferrous Metal Melting Furnaces of all descriptions
High-grade Refractory Cements for all purposes



Stationary Crucible Brass Melting Furnace
(Equipped with Gas and Oil Burner)
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Consult with us in all problems relating to furnaces for non-ferrous metal melting, and refractories for all purposes.

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Manufacturers of

High-grade Refractory Cements and Non-Ferrous Metal Melting Furnaces

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Core Oils Parting Compounds

Furnaces (Melting)—Continued

Buckeye Products Co., Inc. ("Buckeye" Metal), 915-917 W 5th, Cincinnati, O.
See adv index at end of book
Burns Hydro Carbon Burner Co., Ft. Plain, N. Y.
Campbell-Hausfeld Co., Harrison, Ohio
Chicago Flexible Shaft Co. ("Stewart," for Soft Metal, etc.), 5600 W 13th, Chicago, Ill.
Combustion Utilities Corp., 8-10 Bridge, New York
Dempsey Furnace Co., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
Denver Fire Clay Co., 1746 Champa, Denver, Col.
Dixon Wm. (Jewelers), 119 Fulton, New York
Dopp J. W. & Co. (Crucible & Non Crucible, Dealers), 18 W Columbia, Detroit, Mich.
Eclipse Fuel Engineering Co. ("Eclipse" Gas Fired), 100 Forbes, Rockford, Ill.
Electric Furnace Co., Salem, Ohio
Fisher Alfred, 803 W Madison, Chicago, Ill.
Flinn & Dreffein Co. (Gas & Oil), 431 S Dearborn, Chicago, Ill.
Foundry Equipment Co., 873 Hertel, Buffalo, N. Y.
GENERAL ELECTRIC CO. (Metal, Electric), Schenectady, N. Y.
See adv index at end of book
Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.
Granger Co., A. D. (Schwartz), 17 Park Row, New York
See adv index at end of book
Hauck Mfg. Co., 101 11th, Brooklyn, N. Y.
Hawley Down Draft Furnace Co. ("Hawley-Schwartz" Metal), Easton, Pa.
Holcroft & Co., 6545H Epworth blvd, Detroit, Mich.
Johnson Gas Appliance Co. ("Johnson" Metal), Dept. H, Cedar Rapids, Ia.
KENNEDY VAN SAUN MFG. & ENG. CORP., 50 Church, New York
See adv index at end of book
Koven L. O. & Bro. (Portable), 154 Ogden av, Jersey City, N. J.
See adv index at end of book
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Monarch Engineering & Mfg. Co. ("Monarch," "Rockwell," "Steel-Harvey," "Monometer" Printers'), American bldg, Baltimore, Md.
Naismith Geo. & Son, 6313 Butler, Pittsburgh, Pa.
Pittsburgh Elec. Furnace Co. (Aluminum, Brass & Copper), H, Union bldg, Pittsburgh, Pa.
Rowell Mfg. Co., Appleton, Wis.
Ryan F. J. & Co., Wesley bldg, Phila., Pa.
Sperry D. R. & Co. (For Soft Metals), North Batavia, Ill.
Strong, Carlisle & Hammond Co. ("S-C-H"), 1394 W 3rd, Cleveland, O.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

THE SURFACE COMBUSTION CO.

Whether it's precious metals at the Mint or babbitt metal in a machine shop, tinning in the immense tin plates or a small solder torch, you'll find Surface Combustion foremost and pre-eminent.

THE SURFACE COMBUSTION CO.
334 Gerard Avenue Bronx, N. Y.

Swindell Wm. & Bro. (Malleable & Foundry), Jenkins Arcade bldg, Pittsburgh, Pa.
U. S. Smelting Furnace Co., Belleville, Ill.
Webb Electric Furnace Corp., 42 Church, New York
Wellman-Seaver-Morgan Co. ("Wellman," Rolling & Stationary), E 70th & Central av, Cleveland, O.

5099—Furnaces (Muffle & Oven)

Amsler-Morton Co., Fulton bldg, Pittsburgh, Pa.
Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Bellevue Furnace Co. (Fuel Oil Burning for High Speed Steel), 2971 Bellevue av, Detroit, Mich.
CHICAGO FLEXIBLE SHAFT CO. ("Stewart" Gas or Oil Blast), 1150 S Central av, Chicago, Ill.
See adv index at end of book
Combustion Utilities Corp., 8-10 Bridge, New York
DEMPSEY FURNACE CO., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
Eclipse Fuel Engineering Co. ("Eclipse" Gas Fired), 100 Forbes, Rockford, Ill.

STEWART INDUSTRIAL FURNACES
FOR ALL PURPOSES

Muffle

Use STEWART Furnaces.
There's a STEWART Furnace for every requirement.

CHICAGO FLEXIBLE SHAFT COMPANY
1150 South Central Avenue, Chicago, Ill.

Ferguson Furnace Co., Toledo, Ohio.
MACLEOD CO., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

5100—Furnaces (Muffling & Charcoal Sinking)

Mackenzie's Duncan Sons Co., Trenton, N. J.

5100a—*Furnaces (Non-Crucible)

BUCKEYE PRODUCTS CO., INC., (Non-ferrous Metal Melting), 915-917 W 5th, Cincinnati, O.
See adv index at end of book
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

5100b—Furnaces (Non-Oxidizing)

Anthony Co., 138H West av, Long Island City, N. Y.
Chicago Flexible Shaft Co., 5600 W Roosevelt rd, Chicago, Ill.
Kenworthy Chas. F., Waterbury, Conn.
Rockwell W. S. Co., 50 Church, New York
See adv index at end of book
SURFACE COMBUSTION CO., THE, 334 Gerard av, Bronx, New York
See adv index at end of book

5101— Furnaces (Oil Blast)

Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
Campbell-Hausfeld Co., Harrison, Ohio
DEMPSEY FURNACE CO., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

5101a—Furnaces (Oil Burning)

See also Furnaces, Fuel Oil Burning
Amer. Industrial Furnace Corp., 185 Devonshire, Boston, Mass.
ANTHONY CO. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
Baird Pneumatic Tool Co., 432 Rialto bldg, Kansas City, Mo.
Campbell-Hausfeld Co., Harrison, Ohio
CHICAGO FLEXIBLE SHAFT CO., 1150 S Central av, Chicago, Ill.
See adv index at end of book
DEMPSEY FURNACE CO., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book

FURNACES
Oil, Gas, or Coal Fired
YOU WILL BE PLEASED WITH RESULTS OBTAINED AND LOW MAINTENANCE COST OF OUR FURNACES
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DEMPSEY
INDUSTRIAL
HEATING

FURNACE CO.
61 Cornelison Ave., Jersey City, N.J.

Engineer Co., 17 Battery pl, New York
Hauck Mfg. Co., 136 10th, Brooklyn, N. Y.
See adv index at end of book
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Oliver Oil-Gas Burner & Mach. Co. ("Oliver"), Dept. H, 21st & Pine, St. Louis, Mo.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Tates-Jones & Co., Inc., Pittsburgh, Pa.
U. S. Smelting Furnace Co., Belleville, Ill.

5102—Furnaces (Oil Tempering)

American Gas Furnace Co., Elizabeth, N. J.
Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
Baush Machine Tool Co. (Metal Div.), 156 Wason av, Springfield, Mass.
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Bellevue Furnace Co., 2971 Bellevue av, Detroit, Mich.
Bennett W. R. Co. ("Triad"), 1045 H New Britain av, Hartford, Conn.
Burns Hydro Carbon Burner Co., Fort Plain, N. Y.
Combustion Utilities Corp., 8-10 Bridge, New York
Dempsey Furnace Co., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
Eclipse Fuel Engineering Co. ("Eclipse" Gas Fired), 100 Forbes, Rockford, Ill.
Ferguson Furnace Co., Toledo, O.
Flinn & Dreffein Co., 431 S. Dearborn, Chicago, Ill.
Industrial Furnace Corp., 10 Post Office sq, Boston, Mass.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Rockwell W. S. Co., 50 Church, New York
See adv index at end of book
Strong, Carlisle & Hammond Co. ("S-C-H"), 1394 W 3rd, Cleveland, O.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

BLAW-KNOX CO.
681 Farmers Bank Building
PITTSBURGH, PA.
Manufacturers of
Water Cooled Equipment for the Open Hearth

5103—Furnaces (Open Hearth)

Amsler-Morton Co., Fulton bldg, Pittsburgh, Pa.
Ashland Fire Brick Co. (Brick), Ashland, Ky.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Efficient Contractors, Inc., Perth Amboy, N. J.
Favorite Stove & Range Co., Piqua, O.
Holcroft & Co., 654H Epworth blvd, Detroit, Mich.
Laughlin Alex. & Co. (Continuous Heating), Pittsburgh, Pa.
Lindsay W. W. & Co., Harrison bldg, Phila., Pa.
McClure G. W. Son & Co., Bessemer bldg Pittsburgh, Pa.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Naismith Geo. & Son, 6312 Butler, Pittsburgh, Pa.
Pennsylvania Engineering Works, New Castle, Pa.
Petroleum Iron Works Co. of Ohio, Sharon, Pa.
See adv index at end of book
Smythe, S. R. Co., 2022H Oliver bldg, Pittsburgh, Pa.
Swindell Wm. & Bros., Jenkins Arcade bldg., Pitsburgh, Pa.
Wellman-Seaver-Morgan Co. ("Wellman" Rolling & Stationary), E 70th & Central av, Cleveland, O.

5103a— Furnaces (Oven)

See also Furnaces, Muffle & Oven
CHICAGO FLEXIBLE SHAFT CO., 1150 S Central av, Chicago, Ill.
See adv index at end of book

STEWART
INDUSTRIAL FURNACES
FOR ALL PURPOSES
Oven
Use STEWART Furnaces.
There's a STEWART Furnace for every requirement.
CHICAGO FLEXIBLE SHAFT COMPANY
1150 South Central Avenue, Chicago, Ill.

5104— Furnaces (Pipe Mill)

American Industrial & Engineering Co., 53 W Jackson blvd, Chicago, Ill.
Dempsey Furnace Co., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
Naismith Geo. & Son, 6312 Butler, Pittsburgh, Pa.
Smythe, S. R. Co., 2022H, Oliver bldg, Pittsburgh, Pa.
SURFACE COMBUSTION CO., THE, 334 Gerard av, Bronx, New York
See adv index at end of book

5104a— Furnaces (Pipeless)

Andrews Heating Co., Minneapolis, Minn.
Atlas Heating & Ventilating Co., 557-67 4th, San Francisco, Cal.
Barker Rose & Clinton Co., Dept. H, Elmira, N. Y.
Bibb B. C. Stove Co. ("Reliance"), 109 Light, Baltimore, Md.
Beckwith Co. ("Round Oak"), Dowagiac, Mich.
Chattanooga Roofing & Foundry Co. ("Cahill"), 22d, Chattanooga, Tenn.
Caloric Furnace Co., 1531H Locust, Phila., Pa.
Fox Furnace Co. ("Sunbeam"), Elyria, O.
Galusha Stove Co. ("Norman"), Rochester, N. Y.
General Heating Co. ("Gen-He-Co."), 480 Hawthorne av, Portland, Ore.
Graff Furnace ("Faultless Comfort"), 116 Wooster, New York
Heckler Bros. ("Heckler"), 919H Liberty av, Pittsburgh, Pa.
Henry Furnace & Foundry Co. ("Moncrief"), 3471 E 49th, Cleveland, O.
Hero Furnace Co. ("Hero," "Little Giant"), Sycamore, Ill.
Hess Furnace Mfg. Co., 804½ Oak, Portland, Ore.
Hess Warming & Ventilating Co. ("Hess") 1211 S Western, Chicago, Ill.
Holland Furnace Co. ("Holland"), Holland, Mich.
International Heater Co. ("International"), Utica, N. Y.
Kansas City Furnace Co. ("Ideal King"), 326 W 6th, Kansas City, Mo.
Lyon, Conklin & Co., Inc. ("Lyon," also Pipe Furnaces), Race & McComas, Baltimore, Md.
Meyer Furnace Co. ("Weir"), Peoria, Ill.
Monitor Stove Co. ("Caloric"), Dept H, C., H. & D. R. R., nr. Gest, Cincinnati, O.
Monitor Stove Co. ("Caloric"), Woodrow & Gest, Cincinnati, Ohio
Peerless Foundry Co. ("Peerless"), 1935 Ludlow av, Indianapolis, Ind.
Prizer Painter Stove Co. ("Prizer"), Reading, Pa.
Quaker Mfg. Co., 140 N Dearborn, Chicago, Ill.
Richmond Stove Co., 2506 E Main, Richmond, Va.
Schill Bros Co. ("Cozy"), Dept H, Crestline, Ohio.
Sexton S. B. Stove & Mfg. Co., 500 W. Conway, Baltimore, Md.
Sill Stove Works ("Natural Air"), 524 Oak, Rochester, N. Y.
Silverton Blow Pipe Co. ("Sibloco"), 109H W Main, Silverton, Ore.
Somerville Stove Works ("Magic Service"), Somerville, N. J.
Thatcher Furnace Co., 131 W 35th, New York
Tubular Htg. Ventg. Co. ("Blaze" & "Master"), 232H Quarry, Philadelphia, Pa.
Utica Heater Co. ("New Idea," "Superior-Smokeless," "Superior Pipe"), Utica, N. Y.
Weiskittel, A. & Son Co., Dept. H, 12th & Lombard, Baltimore, Md.
Wellston Mfg. Co. ("Senator"), Wellston, Ohio
Western Steel Products Co., New Duluth, Minn.
White Warner Co. ("Quaker"), Taunton, Mass.
Wise Furnace Co. ("Simplex"), Akron, O.

5105—Furnaces (Plate Heating)

Anthony Co. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.
Combustion Utilities Corp., 8-10 Bridge, New York
DEMPSEY FURNACE CO., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
DeRemer Blatchford Co., Dept. H, Railway Exchange bldg, Chicago, Ill.
See adv index at end of book
Lindsay W. W. & Co., Inc., Harrison Bldg, Phila., Pa.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Rockwell W. S. Co., 50 Church, New York
See adv index at end of book
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

THE SURFACE COMBUSTION CO.
For ship plates, keels, skip and car angles and locomotive boiler plate the single valve controlled automatic proportioning furnaces mean low fuel cost, easy operation and minimum scale loss.
THE SURFACE COMBUSTION CO.
334 Gerard Avenue Bronx, N. Y.

Tate-Jones & Co., Inc., Pittsburgh, Pa.

5105a—Furnaces (Plumbers')

DIENER GEO. W. MFG. CO., 400-420 Monticello av, Chicago, Ill.
See adv index at end of book

5106—Furnaces (Powdered Coal)

American Industrial Engineering Co., 53 W Jackson blvd, Chicago, Ill.
Dempsey Furnace Co., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Metals Production Equipment Co., Springfield, Mass.

5106a—*Furnaces (Preheating)

Rockwell W. S. Co., 50 Church, New York
See adv index at end of book

5107—Furnaces (Producer Gas)

See also Gas Producers
Amsler-Morton Co., Fulton bldg, Pittsburgh, Pa.
DEMPSEY FURNACE CO., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
Dissinger C. H. A. & Bro. Co. ("Capital"), Brightsville, Pa.
Flinn & Dreffein Co., 431 S Dearborn, Chicago, Ill.
See adv index at end of book
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*

(Continued on following page)

Furnaces—(Producer Gas)—Cont.

Lindsay W. W. & Co., Inc., Harrison Bldg, Phila., Pa.
Mac Leod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Monarch Engineering & Mfg., Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Morgan Construction Co., Worcester, Mass.
SMITH GAS ENGINEERING CO., Dayton, Ohio *See adv index at end of book*
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

THE SURFACE COMBUSTION CO.

Gas is a force, the method of burning it the tool. The force is the same, but different tools give different results. To insure the best results Surface Combustion equipment is the best tool.

THE SURFACE COMBUSTION CO.
334 Gerard Avenue Bronx, N. Y.

5108—Furnaces (Rectangular Copper)

Allis-Chalmers Mfg. Co. (Smelting Furnace), Milwaukee, Wis.
See adv index at end of book
Combustion Utilities Corp., 8-10 Bridge, New York
KENNEDY VAN SAUN MFG. & ENG. CORP., 50 Church, New York
See adv index at end of book

5108a—Furnaces (Recuperative)

National Supply Co., 412 Orleans, Chicago, Ill.
Rockwell W. S. Co., 50 Church, New York
See adv index at end of book
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

THE SURFACE COMBUSTION CO.

"Returning part of the sensible heat of flue gases to the furnace, plus automatic proportioning, leaves nothing in the method of combustion upon which posterity can improve."—American Gas Journal.

THE SURFACE COMBUSTION CO.
334 Gerard Avenue Bronx, N. Y.

5109—Furnaces (Refining & Reducing)

Allis-Chalmers Mfg. Co. (Gold & Silver Refining), Milwaukee, Wis.
See adv index at end of book
Anthony Co. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.
Campbell-Hausfeld Co., Harrison, Ohio.
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Pittsburgh Elec. Furnace Co., H, Union bldg, Pittsburgh, Pa.
Rockwell W. S. Co., 50 Church New York
See adv index at end of book
Strong, Carlisle & Hammond Co. ("S-C-H"), 1394 W 3rd, Cleveland, O.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
U. S. Smelting Furnace Co., Belleville, Ill.
Webb Electric Furnace Corp., 42 Church, New York

5110—Furnaces (Regenerative Gas)

Amsler-Morton Co., Fulton bldg, Pittsburgh, Pa.
Anthony Co. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.
Dempsey Furnace Co., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
Lindsay W. W. & Co., Inc., Harrison Bldg, Phila., Pa.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Morgan Construction Co., Worcester, Mass.
Naismith Geo. & Son, 6312 Butler, Pittsburgh, Pa.
Rockwell W. S. Co., 50 Church, New York
See adv index at end of book
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Swindell Wm. A. Bro., Jenkins Arcade bldg Pittsburgh, Pa.

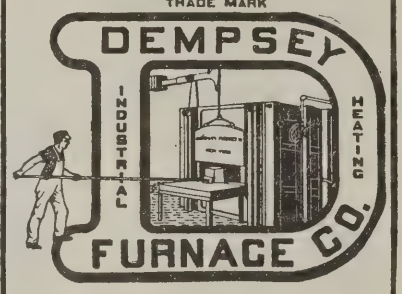
5111— Furnaces (Re-Heating)

Amsler-Morton Co., Fulton bldg, Pittsburgh, Pa.
Anthony Co. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.
Best W. N., Inc. ("Calorex"), 11 B'way, New York
CHICAGO FLEXIBLE SHAFT CO., 1150 S Central av, Chicago, Ill.
See adv index at end of book
Combustion Utilities Corp., 8-10 Bridge, New York
DEMPSEY FURNACE CO., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book

RE-HEATING FURNACES

FOR HEAT TREATING, FORGING, ROLLING, ETC. FURNACES FOR ALL HEATING OPERATIONS

TRADE MARK



61 Cornelison Ave., Jersey City, N.J.

Lindsay W. W. & Co., Inc., Harrison Bldg, Phila., Pa.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Morgan Construction Co., Worcester, Mass.
Naismith Geo. & Son, 6312 Butler, Pittsburgh, Pa.
New York.
SURFACE COMBUSTION CO., THE, 334 Gerard av, Bronx, New York
See adv index at end of book
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, O.

5112—Furnaces (Reverberatory)

Anthony Co. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.
KENNEDY VAN SAUN MFG. & ENG. CORP., 50 Church, New York
See adv index at end of book
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

THE SURFACE COMBUSTION CO.

Scientifically proportioned furnaces to secure even heat distribution with perfect combustion. For oil or gas one valve control with automatic proportioning of fuel and air.

THE SURFACE COMBUSTION CO.
334 Gerard Avenue Bronx, N. Y.

5112a—*Furnaces (Revolving, Annealing & Hardening)

ROCKWELL W. S. CO., 50 Church, New York *See adv index at end of book*

5113—Furnaces (Revolving Forge)

Anthony Co. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.
Mac Leod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Pawtucket Mfg. Co., Pawtucket, R. I.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

5114—Furnaces (Rivet Heating)

American Car & Foundry Co., 165 B'way, New York
American Equipment Co., Norristown, Pa.
American Gas Furnace Co., Elizabeth, N. J.
ANTHONY CO. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.
BEACH-RUSS CO. (Oil or Gas), 38 Church, New York
See adv index at end of book
Bellevue Furnace Co., 2971 Bellevue av, Detroit, Mich.
Best W. N. ("Calorex"), 11 B'way, New York
Burns Hydro Carbon Burner Co., Fort Plain, N. Y.
CHICAGO FLEXIBLE SHAFT CO. ("Stewart" Gas or Oil Blast), 1150 S Central av, Chicago, Ill.
See adv index at end of book
Eclipse Fuel Engineering Co. ("Eclipse" Gas Fired), 100 Forbes, Rockford, Ill.
Ferguson Furnace Co., Toledo, Ohio.
GENERAL ELECTRIC CO. (Electric), Schenectady, N. Y.
See adv index at end of book
Hauck Mfg. Co., 136 10th, Brooklyn, N. Y.
See adv index at end of book

HAUCK TRADE MARK

FORGES—RIVET HEATING Venturi Suction Forges, STATIONARY or on WHEELS. Fuel oil syphoned to the burner. No pressure on the oil—tank can be filled while forge is in operation. Send for bulletin 507.

HAUCK MANUFACTURING COMPANY
136 10th STREET BROOKLYN, N. Y.

KOVEN L. O. & BRO., 154 Ogden, av, Jersey City, N. J.
See adv index at end of book
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch" & "Rockwell"), American bldg, Baltimore, Md.
Rockwell W. S. Co., 50 Church, New York
See adv index at end of book
Strong, Carlisle & Hammond Co., ("S-C-H"), 1394 W 3rd, Cleveland, O.
SURFACE COMBUSTION CO., THE, 334 Gerard av, Bronx, New York
See adv index at end of book
Thomson Electric Welding Co. ("Thomson"), Lynn, Mass.

5114a—Furnaces (Rivet, Tire, Etc.)

Anthony Co. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.
Hauck Mfg. Co., 136 10th, Brooklyn, N. Y.
See adv index at end of book
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

5115— Furnaces (Rocker)

Southern Plow Co. (Portable with Evaporator Pan), Columbus, Ga.

5116—Furnaces (Roll Tempering)

Anthony Co. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.
Dempsey Furnace Co., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
Ferguson Furnace Co., Toledo, Ohio.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Railway Materials Co. ("The Ferguson," Oil as Fuel), Railway Exchange bldg, Chicago, Ill.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

5117—Furnaces (Rotary, Kiln, Automatic)

Anthony Co. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.
SCHAFFER POIDOMETER CO., formerly SCHAFFER ENGINEERING & EQUIPMENT CO., 2828 Smallman, Pittsburgh, Pa.
See adv index at end of book
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
U. S. Smelting Furnace Co., Belleville, Ill.

5117a—Furnaces (Rotating & Tilting)

Rockwell W. S. Co., 50 Church, New York.
See adv index at end of book
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
U. S. Smelting Furnace Co., Belleville, Ill.

Furnaces (Salamander)

See Salamanders

5118—Furnaces (Saw Hardening)

Anthony Co. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Rockwell W. S. Co., 50 Church, New York
See adv index at end of book
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

Furnaces (Scrap Melting)

See Furnaces, Steel Melting

5119-20—Furnaces (Sherardizing)

Anthony Co. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
New Haven Sherardizing Co., Hartford, Conn.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Vitro Manfg. Co., H, Bessemer bldg, Pittsburg, Pa.

5120—*Furnaces (Silver, Lead)

KENNEDY-VAN SAUN MFG. & ENG. CORP., 50 Church, New York
See adv index at end of book

5121— Furnaces (Sintering)

Am. Sintering Co., 86 E Randolph, Chicago, Ill.
Sintering Machy. Corp., Netcong, N. J.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

5122—Furnaces (Smelting, Roasting, Calcining, Etc.)

Allis-Chalmers Mfg. Co. ("McDougall" Roasting, etc.), Milwaukee, Wis.
See adv index at end of book
Anthony Co., 138 H West av, Long Island City, N. Y.
Arizona & Sonora Mfg. Co. (Wood Fuel), Nogales, Ariz.
Bethlehem Foundry & Machine Co. (Smelting), South Bethlehem, Pa.
Bethlehem Shipbuilding Corp., Ltd., 20th & Michigan, San Francisco, Cal.
Braun Corporation, 363 New High, Los Angeles, Cal.
Breuer C. R. Smelting & Refining, Beekman & Hopple, Cincinnati, O.
Christie L. R. Co., 501 People's Bank Bldg, Pittsburgh, Pa.
Colorado Iron Works Co., Denver, Colo.
Combustion Utilities Corp., 8-10 Bridge, New York
Denver Engineering Works Co., Denver, Colo.
General Chemical Co. ("Herreshoff" Roasting Furnace for De-sulphurizing Ores), 40 Rector, New York
Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.
KENNEDY VAN SAUN MFG. & ENG. CORP. ("Bruckner" Batch Roasting, etc.), 50 Church, New York
See adv index at end of book
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Love Bros., Inc. (Roasting), Aurora, Ill.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Mecklenburg Iron Works, Charlotte, N. C.
Mine & Smelter Supply Co. (No Calcining Furnace), 42 B'way, New York.
Moore Bros. Co., Elizabeth, N. J.
Nichols Copper Co. ("Herreshoff" Roasting), 25 Broad, New York.
Pacific Foundry Co. ("Herreschoff"), 18th & Harrison, San Francisco, Cal.
Penn Fdy. & Mfg. Co. ("O'Brien" Ore Roasting), Reading, Pa.
Pittsburgh Elec. Furnace Co. ("Smelting"), H, Union bldg, Pittsburgh, Pa.
Reeves Bros. Co., The (Roasting, Calcining, etc.), Alliance, O.
See adv index at end of book
Stroud E. H. & Co., 928-934 Fullerton av, Chicago, Ill.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Traylor Engineering & Mfg. Co., Allentown, Pa.
Treadwell Construction Co. (Roasting, Calcining, etc.), Midland, Pa.
U. S. Smelting Furnace Co., Belleville, Ill.
Walker Mfg. Co. (De Sulphurizing Ores), 2156 15th, Denver, Colo.
Wedge Mechanical Furnace Co. (Roasting Only), Greenwich Point, Phila., Pa.

5123— Furnaces (Smokeless)

See also Mechanical Stokers

Brightman Furnace Co., 2570 Broadway, Cleveland, O.
Burke Furnace Co., 320 N Water, Chicago, Ill.
Chicago Down Draft Furnace Co., 115 Clinton, Chicago, Ill.
Chicago Incinerator Co., 320 East N Water, Chicago, Ill.
Climax Smoke Preventer Co., 261 Franklin, Boston, Mas.
Dorrance Chas. J. ("Dorrance"), 53 W Jackson, Chicago, Ill.
Hawley Down Draft Furnace Co., Easton, Pa.
Herbert Boiler Co., 140 Root, Chicago, Ill.
Household Appliance Co. (& Cooking Utensils Odor Consumers), Neenah, Wis.
Illinois Stoker Co., Alton, Ill.
Jarvis Engineering Co., 261 Franklin, Boston, Mass.
McMillan Jas & Co. (for High & Low Pressure Boilers), 114 Clarkson, Chicago, Ill.
Murphy Iron Works ("Murphy" Automatic), ft. Walker, Detroit, Mich.
O'Brien John Boiler Works Co. ("O'Brien-Hawley" Down-Draft), St. Louis, Mo.
Power Specialty Co. ("Kent"), 111 B'way, New York
Quinn & Co. ("Quinn" Flat Top), 1347 Harrison av, Cincinnati, Ohio
Riley Sanford Stoker Co., 228 West, Worcester, Mass.
Thacher Propeller & Foundry Corp. ("Albany" Mechanical Smokeless Furnace), Albany, N. Y.

5123a—*Furnaces (Soldering)

See also Furnaces, Gas Soldering; Furnaces; **Gasoline Blast; also Furnaces, Kerosene; also Heaters, Soldering Iron**

DIENER GEO. W. MFG. CO., 400-420 Monticello av, Chicago, Ill.
See adv index at end of book

5123b— Furnaces (Special)

CHICAGO FLEXIBLE SHAFT CO., 1150 S Central av, Chicago, Ill.
See adv index at end of book

STEWART
INDUSTRIAL FURNACES
FOR ALL PURPOSES
Special
We build special Furnaces to your specifications. There's a STEWART Furnace for every requirement.
CHICAGO FLEXIBLE SHAFT COMPANY
1150 South Central Avenue, Chicago, Ill.

5123c—Furnaces (Spring Fitting)

Dempsey Furnace Co., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
DeRemer Blatchford Co., Railway Exchange bldg, Chicago, Ill.
Rockwell W. S. Co., 50 Church, New York
See adv index at end of book

5123d—Furnaces (Steel Annealing)

See also Furnaces, Annealing & Case Hardening

Anthony Co. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.
DEMPSEY FURNACE CO., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
Rockwell W. S. Co., 50 Church, New York
See adv index at end of book
Schuyler Mfg. Co. ("Common Sense"), 6434 Colby, Oakland, Cal.
SURFACE COMBUSTION CO., THE, 334 Gerard av, Bronx, New York
See adv index at end of book

5124-5—Furnaces (Steel & Iron Melting)

Anthony Co. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Ryan F. J. & Co. Wesley bldg, Phila, Pa.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Swindell Wm. & Bro. Jenkins Arcade bldg, Pittsburgh, Pa.
Webb Electric Furnace Corp., 42 Church, New York

5126— Furnaces (Sulphur)

Bethlehem Foundry & Machine Co., Bethlehem, Pa.
SCHUTTE & KOERTING CO. (Beet Sugar or Glue, Sulphuric Acid, etc.), 1251 N 12th, Phila., Pa.
See adv index at end of book

5126a—Furnaces (Tempering)

See also Furnaces, Annealing & Case Hardening

Anthony Co. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.
CHICAGO FLEXIBLE SHAFT CO., 1150 S Central av, Chicago, Ill.
See adv index at end of book
Combustion Utilities Corp., 8-10 Bridge, New York
DEMPSEY FURNACE CO., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
General Engineering & Supply Co., 160 5th av, Mohawk bldg, New York City
HAUCK MFG. CO., 136 10th, Brooklyn, N. Y. *See adv index at end of book*
Hoskins Mfg. Co. (Electric), 4435 Lawton, Detroit, Mich.
Johnson Gas Appliance Co. ("Johnson"), Cedar Rapids, Ia.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Rockwell W. S. Co., 50 Church, New York
See adv index at end of book
SURFACE COMBUSTION CO., THE, 334 Gerard av, Bronx, New York
See adv index at end of book

5127— Furnaces (Tinning)

American Gas & Furnace Co., Spring & Lafayette, Elizabeth, N. J.
Anthony Co. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.
CHICAGO FLEXIBLE SHAFT CO., 1150 S Central av, Chicago, Ill.
See adv index at end of book
Combustion Utilities Corp., 8-10 Bridge, New York
DIENER GEO. W. MFG. CO. (& Roofing), 400-420 Monticello av, Chicago, Ill.
See adv index at end of book
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex," "Monarch-Rockwell"), American bldg., Baltimore, Md.
SURFACE COMBUSTION CO., THE, 334 Gerard av, Bronx, New York
See adv index at end of book
Vaughn Machinery Co. (Wire Mill), Cuyahoga Falls, O.

5128—Furnaces (Tire Heating)

American Gas Furnace Co., 24 John, New York.
Anthony Co. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.
Best W. N., Inc. ("Calorex"), 50 B'way, New York.
Defiance Machine Works, Defiance, O.
Lindsay W. W. & Co., Inc., Harrison Bldg, Phila., Pa.
MacLeod Co. (Locomotive, Street RR Car & Wagon Tire), 2227 Bogen, Cincinnati, Ohio. *See adv index at end of book*
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex," "Monarch-Rockwell"), American bldg., Baltimore, Md.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Williams, White & Co., Moline, Ill.

5129—Furnaces (Tool Dressing)

Anthony Co. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.
Combustion Utilities Corp., 8-10 Bridge, New York
Hauck Mfg. Co., 136 10th, Brooklyn, N. Y.
See adv index at end of book
Littleford Bros., 444 E Pearl, Cincinnati, Ohio *See adv index at end of book*
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Tate-Jones & Co., Inc., Pittsburgh, Pa.

5129a— *Furnaces (Tool Hardening)

Anthony Co., 138H West av, Long Island City, N. Y.
Hauck Mfg. Co., 136 10th, Brooklyn, N. Y.
See adv index at end of book
Rockwell W. S. Co., 50 Church, New York
See adv index at end of book

5130—Furnaces (Tube Brazing)

MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

5131—Furnaces (Warm Air)

See also Furnaces, Hot Air

Art Stove Co., Russell & Milwaukee, Detroit, Mich.
Atlas Heating & Ventilating Co., 557-67 4th, San Francisco, Cal.
Chattanooga Roofing & Foundry Co. ("Cahill" House-Heating Pipe & Pipeless), Dept. H, 22d, Chattanooga, Tenn.
Co-Operative Foundry Co. ("Ajax," "Empire," "Empire Pipeless," "Bermuda"), Rochester, N. Y.
Fuller & Warren Co., 256 Water, New York
Great Western Furnace Co., Jacobson bldg, Denver, Col.
Kirsh Frank W., Everett, Wash.
National Furnace Co., Dayton, O.
Standard School Heater Co., 453 N Racine, Chicago, Ill.
Sterling Range & Furnace Corp., 524 Oak, Rochester, N. Y.

(Continued on following page)

Furnaces (Warm Air)—Continued

Washington Stove Wks., 3402-22 Smith av, Everett, Wash.
Waterman-Waterbury Co., 1121 Jackson N E, Minneapolis, Minn.

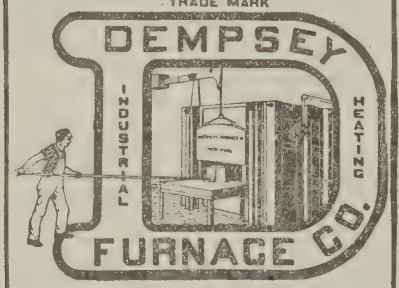
5132— Furnaces (Welding)

Amsler-Morton Co., Fulton bldg, Pittsburgh, Pa.
Anthony Co. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Best W. N., Inc. ("Calorex"), 11 B'way, New York.
Burns Hydro Carbon Burner Co., Fort Plain, N. Y.
DEMPSEY FURNACE CO., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book

WELDING FURNACES

YOU WILL BE PLEASED WITH RESULTS OBTAINED AND LOW MAINTENANCE COST OF OUR FURNACES

TRADE MARK



61 Cornelison Ave., Jersey City, N.J.

Ferguson Furnace Co., Toledo, Ohio.
Flinn & Dreffein Co. (Gas & Oil), 431 S. Dearborn, Chicago, Ill.
Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.
Hess Warming & Ventilating Co. ("Hess" steel), 5 N LaSalle, Chicago, Ill.
Lindsay W. W. & Co., Inc., Harrison bldg, Phila., Pa.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex," "Monarch-Rockwell"), American bldg., Baltimore, Md.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

5133—Furnaces (Welding, Regenerative)

Anthony Co. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.
Lindsay W. W. & Co., Inc., Harrison bldg, Phila., Pa.
MacLeod Co., 227 Bogen, Cincinnati, O.
See adv index at end of book
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex," "Monarch-Rockwell"), American bldg., Baltimore, Md.

5134—Furnaces (Wire Baking & Annealing)

Anthony Co. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.
Best W. N. Inc. ("Calorex"), 11 B'way, New York
Dempsey Furnace Co., 61-63 Cornelison av, Jersey City, N. J.
See adv index at end of book
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex," "Monarch-Rockwell"), **American bldg. Baltimore, Md.**
Morgan Construction Co., Worcester, Mass.
Rockwell W. S. Co. (Blast), 50 Church, New York *See adv index at end of book*

THE SURFACE COMBUSTION CO.

Wherever there is a wire mill, Surface Combustion is found producing more and better quality wire at a lower cost.

THE SURFACE COMBUSTION CO.
334 Gerard Avenue Bronx, N. Y.

Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Vaughn Machinery Co. (Tube or Retort Annealing or Tempering; Steel Plate Die Annealing), Cuyahoga Falls, O.

5135—Furnaces (Wood Burning)

See also Furnaces, Hot Air, Manufacturers

Dean Walter R., Oakham, Mass.
International Heater Co., Utica, N. Y.
Lennox Furnace Co., Marshalltown, Ia.
Majestic Co., Huntington, Ind.
Miller Furnace Co., Grand Rapids, Mich.
Monroe Foundry & Furnace Co., Monroe, Mich.
Schill Bros. Co. (Wood or Coal), Crestline, O.
Wood & Bishop Co., Bangor, Me.

5136— Furnaces (Zinc)

Electric Furnace Co., Salem, Ohio.
KENNEDY-VAN SAUN MFG. & ENG. CORP., 50 Church, New York
See adv index at end of book

5137— Furniture (Bamboo)

Klein Bros. (Japanese) **Paynstar av, Long Island City, N. Y.**
Meinecke **Mfg. Co., Richards, Milwaukee,** Wis.
West Branch Novelty Co., Milton, Pa.

5138— Furniture (Barbers')

Chisholm Co., 178 Centre, New York
Detroit Rack Co., 2536 14th, Detroit, Mich.

5139— Furniture (Camp)

A. B. C. Mfg. Co., 3120 Gillham rd, Kansas City, Mo.

Abercrombie David T. Co., 24 Stone, New York
Adjustable Leg Table Co., 1120 Oak, San Francisco, Cal.
Auto Bed Camp Mfg. Co. (Beds for Autos & Cabs), 3120 Gillham rd, Kansas City, Mo.
Auto Bed Co., Bellingham, Wash.
Bashford H. R. Co., 180 New Montgomery, San Francisco, Cal.
Bent Rung Ladder & Mfg. Co., Indiana, Pa.
Collapso Camp Bed Co. ("Collapso"), 2110 N Broadway, Los Angeles, Cal.
Combination Folding Camp Stove Co., Inc. (Folding Table), 634 S Mateo, Los Angeles, Cal.
Davidson J. S., 644 Mateo, Los Angeles, Cal.
Dexter Ironing Board Co. ("Penlaid" Folding), 1115 13th av, Oakland, Cal.
Gold Medal Camp. Furn. Mfg. Co. ("Gold Medal" Folding Beds, Cots, Tables, Stools, Tents, etc.), 1700 Rickard av, Racine, Wis.
Hettrick Mfg. Co., Toledo, O.
Kenyon R. S. Co., Waukesha, Wis.
Liston & Polter Mfg Co. ("L & P"), Eugene, Ore.
Miller Auto Bed Co., 1102 E 12th, Oakland Cal.
Puff Mfg. Co. ("Foltable" & "Seatable"), 1420 S Los Angeles, Los Angeles, Cal.
San Antonio Tent & Awning Co., 129H Military Plaza, San Antonio, Texas
Stonebridge C. H. Mfg. Co. (Beds & Folding Tables), 23 Warren, New York
Zieg B. F. Mfg. Co., Frederickstown, Ohio

5140—Furniture (Church & Lodge)

See also Seating, Veneer

Adams & Kelly Co., Omaha, Neb
Alexander R., 197 Island av, E, Minneapolis, Minn.
Allen Chair Co., Concord Junction, Mass.
American Sash & Door Co. (Wholesale Mfrs.), 16th & Bellefontaine, Kansas City, Mo.
American Seating Co. (Seating, etc), 14 E Jackson blvd, Chicago, Ill.
Andrews A. H. Co. (Seating, etc), 107 S Wabash av, Chicago, Ill.
Bent G. W. Co. (Cushions & Kneeling Stools), 112 Canal, Boston, Mass.
Budde & Weis Mfg. Co., Jackson, Tenn.
Carr, Ryder & Adams Co., Dubuque, Ia.
Carter Mfg. Co., Keokuk, Ia.
Chicago Mission Furniture Co., 1919 Clybourn av, Chicago, Ill.
Cook Furniture & Equipment Co., 919 Commercial Trust bldg, Phila., Pa.
Farley & Loetscher Mfg. Co. (Altars & Railings, Pulpits, Pew), Bodies & Fronts), Dubuque, Ia.
Fond du Lac Church Furniture Co., Fond du Lac, Wis.
Geissler R., 56 W 8th, New York
Globe Furniture Co., Ltd., Northville, Mich.
Hackner E. Co. (Altars, Pulpits, Statuary, etc), La Crosse, Wis.
Henderson-Ames Co. (Lodge), Kalamazoo, Mich
Home Mfg. Co., 543 Brannan, San Francisco, Cal.
Huntington Seating Co., Huntington, W. Va.
Hyde-Murphy Co. (Seats, Pulpits, Pew Ends, etc), Ridgway, Pa.
Indiana Lumber & Mfg. Co., South Bend, Ind.
Kaaz Mfg. Co. (Church Only), Atchison, Kan.
Kundtz Theodor Co., Winslow & Elm, Cleveland, O.
Lamb J. & R., 25 6th av, New York
Manitowoc Church Furniture Co., Waukesha, Wis.
Mitchell Robert Furniture Co., 616 Race, Cincinnati, O.
N. J. School & Church Furniture Co., Trenton, N. J.
Pratt Amasa Co., Lowell, Mass.
Readsboro Chair Co., Readsboro, Vt.
Retting Furniture Co. (Lodge Only), Grand Rapids, Mich.
Rilling J. E. & Co., 107 34th, Milwaukee, Wis.
Rowles E. W. A. Co. (Dirs), 2345 S La Salle, Chicago, Ill.
Salisbury Wood-Working Co., Salisbury, Md.
Sanford Sash & Blind Co. (Pews), Sanford, N. C.
Shaw Furniture Co., Cambridge, Mass.
Stafford E. H. Mfg. Co., 367 W Adams, Chicago, Ill.
Standard Mfg. Co., Appleton, Wis.
Stephens Thos & Sons (Inc.), Albany, N. Y.
Thomas & Co., 115 Dewey, Worcester, Mass.
Tiffany Studios (Special Designs), 361 Madison av, New York
Tiffin Mfg. Co. (Pews, Pulpits, Altars, Altar Railings, etc), Tiffin, O.
Uphus A. J. & Co. ("Artkraft"), 2315 Western av, Seattle, Wash.
Weber C. F. & Co., 605 Mission, San Francisco, Cal.

5141— Furniture (Costumers')

Behrend, Jacob, 118 Allen, Phila., Pa.
Detroit Rack Co., 2536 14th, Detroit, Mich.
Erie Art Metal Co. (Metal), Erie, Pa.
Manchester Mfg. Co., 1210 S Vandeventer av, St. Louis, Mo.
Stevenson Co. (Pins, Wooden), South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co. (Wooden), 166-174 Portland, Boston, Mass.
See adv index at end of book
Teepe J. Chas., Inc., Mott & Vernon aves, Long Island City, N. Y.

5142—Furniture (Dental & Surgical)

Albatross Metal Furniture Co., 715 Thurman, Portland, Ore.
American Cabinet Co., Two Rivers, Wis.
American Metal Furniture Co., 325 W 17th, Indianapolis, Ind.
Art Metal Construction Co. (Sheet Steel), Jamestown, N. Y.
Aseptic Furniture Mfg Co., Pioneer bldg, Seattle, Wash.
Bassick Co. ("Bassick," "Grip Neck," "Philadelphia," "Oblong Plate," "Feltoid"), 38 Austin, Bridgeport, Conn.
Harvard Co., 2206 13th N E, Canton, O.
Phoenix Metal Stamping Co. ("Han-Dy-Can"), 2827 W Fletcher, Phila., Pa.
RITTER DENTAL MFG. CO., INC., Rochester, N. Y.
Schoedinger F. O., 346 Mt. Vernon av, Columbus, O.
West Made Desk Co. ("West Made"), Lewis & Loring, Portland, Ore.
Williams Mfg. Co. ("Zenith" Chiropractic Tables), 132H River, Elgin, Ill.

5143—Furniture for Public Buildings

Albatross Metal Furniture Co., 715 Thurman, Portland, Ore.
Allen Ivan-Marshall Co. (Jobbers), 44 Marietta, Atlanta, Ga.
Andrews A. H. Co., 107 S Wabash av, Chicago, Ill.
Art Metal Construction Co. (Metallic), Jamestown, N. Y.
Budde & Weis Mfg. Co., Jackson, Tenn.
Claus A. Mfg. Co., 5701 Walworth av, Cleveland, O.
Duker Otto & Co., Fleet & Albemarle, Baltimore, Md.
Durard Desk Mfg. Co., 700 S Sichel, Los Angeles, Cal.
Farley & Loetscher Mfg. Co. (Desks, Railings, Benches, Cabinets, etc.), Dubuque, Ia.
GENERAL FIREPROOFING CO., Youngstown, O. *See adv index at end of book*
Fridman Lumber Co. (Office & Court House), New Richmond, O.
Grand Rapids Hand Screw Co., Grand Rapids, Mich.
Hein Furniture Co., Toledo, O.
Hospital Supply Co., 153 E 23rd, New York
Marble B. L. Chair Co. Bedford, Ohio.
Matthews Bros. Mfg. Co., 61 4th, Milwaukee, Wis.
Mitchell Robert Furniture Co., 616 Race, Cincinnati, O.
Mowday David Y (Est. of) (Leather Covered), Norristown, Pa.
Nedrow Mfg. Co., Caledonia, N. Y.
Phoenix Furniture Co. (Court House, etc), Eau Claire, Wis.
Revell A. H. & Co., 141 S Wabash av, Chicago, Ill.
Rilling J. E. & Co., 107 34th, Milwaukee, Wis.
Smith & Jones, 214 E 37th, New York.

Stafford E. H. Mfg. Co., 867 W Adams, Chicago, Ill.
Tiffany Studios (Special Designs), 361 Madison av, New York
Watson Mfg. Co. (Steel), Jamestown, N. Y.
Weber C. F. & Co., 601-9 Mission, San Francisco, Cal.

5144—Furniture (Garden & Conservatory)

ANCHOR BUILDING CO., Elizabeth, N. J.
See adv index at end of book
Art Concrete Works, Inc. ("Brookstone"), 366 S Fair Oaks av, Pasadena, Cal.
Cincinnati Cement Products Co., 2020 Dana av, Cincinnati, O.
Enderle Frank X., 1715 San Fernando rd, Los Angeles, Cal.
Galloway Terra Cotta Co. (Terra Cotta), 3216 Walnut, Phila., Pa.
Italian Terra Cotta Co., 1149 Mission rd, Los Angeles, Cal.
Jones M. D. Co. (Trellises & Garden Arches), Concord Junction, Mass.
Kraus J. C., Cast Stone Wks, Inc., 480 Grand Central Palace, New York
North Shore Ferneries Co., Beverly, Mass.
Reid Bros., 91 Drumm, San Francisco, Cal.
Stewart Iron Works Co., Inc. (Garden), 238 Stewart blk, Cincinnati, Ohio
See adv index at end of book
Wrobbel-Maine Co. The, 3106 E 63rd, Cleveland, Ohio

5145— Furniture (Hospital)

Albatross Metal Furniture Co., 715 Thurman, Portland, Ore.
Alberene Stone Co., 153 W 23d, New York
American Metal Furniture Co. (Aseptic), 325 W 17th, Indianapolis, Ind.
Art Metal Construction Company (Steel), Jamestown, N. Y.
Art Metal Products Co., 514 S Green, Chicago, Ill.
Aseptic Furniture Mfg. Co., Pioneer bldg, Seattle, Wash.
Bernstein Mfg. Co. (Also All Kinds of Apparatus & Supplies), 3d & Alleghany, Phila., Pa.
Betz Frank S. Co., Hammond, Ind.
Columbus Aseptic Furniture Co., Columbus, O.
Detroit Rack Co., 2536 14th, Detroit, Mich.
Dougherty H. D. Co. ("Faultless"), 17th & Indiana av, Phila., Pa.
Humane Restraint Co., Madison, Wis.
Inner-Braced Furniture Co., Elkhart, Ind.
Phoenix Metal Stamping Co. ("Han-Dy-Can"), 2827 W Fletcher, Phila., Pa.
Reid Bros., Inc., 91 Drum, San Francisco, Cal.
Richardson, Wright & Co., 65 Beverly, Boston, Mass.
Safety First Supply Co., 107 Third av, Pittsburgh, Pa.
Scanlan-Morris Co., Madison, Wis.
Schoedinger F. O. ("Fosco"), 346 Mt. Vernon av, Columbus, O.
Simmons Co. (Beds Only), Kenosha, Wis.
Smith & Davis Mfg. Co. (Also Bedside Tables), 20th & Locust, St. Louis, Mo.
Voigt Co. (Cement), 1743-1749 N 12th, Philadelphia, Pa.
White Steel Sanitary Furniture Co., Grand Rapids, Mich
Wocher Max & Son Co., 219 W 6th, Cincinnati, O.

5145a— Furniture (Household)

ARKANSAS.

FORT SMITH—Ballman-Cummings Furn. Co.
Daly Furn. Co.
Fort Smith Chair Co.
Fort Smith Folding Bed & Table Co.
Fort Smith Furn. Co.
McLoud & Sparks Furn. Co.
Mitchell & Mitchell Mfg. Co.
Ward Furn. Mfg. Co.
LITTLE ROCK—Arkansas Carpet & Furn. Co. Dept. H.
Bowser Furn. Co.
Little Rock Furn. Co.

CALIFORNIA.

BERKELEY—Calif. Mission Furn. Co.
Coast Casegoods Co. (Bed Room), 3000 Shattuck av.
Morton Furniture Mfg. Co., 600 Cornelia
FRESNO—Art Rattan Works
HUNTINGTON PARK—Made-Well Furniture Co. (Bed Room), 600 Boyle av
LOS ANGELES—Acme Furniture Mfg. Co. (Bed Room), 1251 E 33rd
Angelus Furn. Mfg. Co., 947H E Pico
Bailey Schmitz Co. (Upholstered), E 7th & Santa Fe av
Bauman Furniture Mfg. Co. (Upholstered), 2511 Compton av
Blue Bird Furniture Mfg. Co. (Dining & Living Room), 5607 Santa Fe av
Bryant Upholstered Furn. Co., 1622H W 7th
Cherman Furniture Co. (Breakfast Tables), 935 N Main.
Cinema Mercantile Co. (Upholstered), 812 N. Spring
Co-Operative Furniture Mfg. Co., 733 Aliso.
Davis Upholstering & Furniture Co., 1200 E 8th.
De Luxe Fibre Furniture Co., 1387 E 7th
Empire Furn. Mfg. Co., 167½H E 37th
Engel Furniture Mfg. Co., Inc. (Living and Dining Room), 3501 S. Hill
Hawthorne Furniture Shops, 1200 E 8th
Home Upholstering Co., 1600 E. Slauson
Hurd Bros. (Frames), 2432 E 54th
Independent Furn. Co. (Bed Room & Breakfast Sets), 1617 McGarry, Los Angeles, Cal.
Jonas J. H. & Sons (Upholstered), 5841 S Park av
Kling Mfg. Co., 1601 E 15th
Los Angeles Furniture Mfg. Co. (Bed Room), 1832 E Jefferson.
McClellan Mfg. Co. (Living Room), 915 S Los Angeles.
Manhattan Furniture Co. (Bed Room), 960 McGarry.
Meehan-Davis-Crown Co. Inc. (Breakfast Nooks), 5935 Wilmington
Morris Furniture Mfg. (Bed Room Sets), 2418 Modoc
Murdock & Wilcek ("Finermade Quality" Upholstered), 1763 E 9th
National Cabinet & Furniture Mfg. Co. (Bed Room), 1531 E 20th
Pacific Quality Fibre Furniture Co., 2001 E Slauson av
Phoenix Furniture Co. (Chairs & Tables), 517 E 31st
Prince Gilbert
Riner H. E., 1900 W Slauson av
Roberti Bros (Upholstered, also Bed Davenports), 1342 Long Beach av.
Roberts-Cohen Co. (Bed Room), 925 W Irvington, Huntington Park
Robinson's Furniture Mfg. Co., E 15th & Santa Fe av
Rudin M. (Upholstered), 2813 S Main
Southern Fixture Co. (Built-In), 1220 E. Slauson av
Smith, C. B. Furn. Co.
Southern California Furniture Mfg. Co. (Upholstered), 5111 Santa Fe av
Spiegelman Bros. & Soronow (Upholstered), 740 Clinton
Spinak Leon & Co. (Period & Antique), 2269 E 51st.
Standard Upholstering Co., 1500 Central av
United Furniture Mfg. Co. (Bed Room), 1621 Atlantic
Van Vorst C. B. Co. (Bed Room), 2401 Santa Fe av
Veal Reed Chair Co., 802 Merrill av
Windsor Mfg. Co. (Chairs & Breakfast Furniture), 820 Traction av
MODESTO—Modesto Furniture & Cabinet Co.
OAKLAND—Art Rattan Works, 1218 24th av
Logues Furniture Mfg. Co., 470 2d
Sandstrom G. S. Furniture Mfg. Co., 1500 E 12th
REDDING—Bergh, W. H.
Redding Home Furn. Co.
SACRAMENTO—Capital Furn. Mfg. Co.
Sacramento Planing Mill & Furn. Co.
SAN DIEGO—Schiefer & Sons (Bedroom), Eighth & J
SAN FRANCISCO—Apex Furniture Mfg. Co. (Upholstered), 151 Erie
Bullion Mfg. Co. (Upholstered), 658 Howard
Cig-Ash-Ador Co. ("Cig-Ash-Ador" Smokers' Stands), 960 Mission
CONTINENTAL FURNITURE MFG. CO. (Upholstered & Cane Living Room), 1636 Bryant
Coulter's Rattan Works, 1141 Sutter.
Dieringer Bros. Furniture Mfg. Co. (Upholstered), 1169 Folsom
Friedrichs, H., 2147-2169H Folsom
Globe Furniture Mfg. Co. (Upholstered), 3176 17th
Harder F. H. Mfg. Co. (Upholstered), 1562 Mission
Jackson Mfg. Co. (To Order), 1223 Sutter.
Klopstock Bros. (Library & Extension Tables), 3320 18th.
Malley-Long Furniture Mfg. Co., Alabama & Marisposa.
Metropolitan Furniture Mfg. Co. Inc., 1017 Folsom
Milwaukee Furn. Co., 832H Mission
Mutual Bedding Co., Inc. (Upholstered), 501 7th
Mutual Woodworking Co. (Upholstered Frames & Dining Chairs), 234 12th
National Mill & Lbr. Co., 320 Market
New York Bedding & Furniture Co., 1731 15th.
Occidental Furniture Mfg. Co. (Upholstered), 1707 Howard
Sultan, Ernest J. Mfg. Co. (Bed Davenports and Mission Furniture), 460 Bryant
Vogel Furniture & Color Studio, 308 7th.
SAN JOSE—Davis Mfg. Co. (Breakfast Tables), 68 Orchard
STOCKTON—Christ, C. H.
Horan, W. J.
Littlefield-Corbett Co.
Schneider, Martin.

COLORADO.

DENVER—Sadler H. R. Furn. Co. (Mfrs.), 1742 Welton

GEORGIA.

ATLANTA—Burnett & Klapper Furn. Co.
Southern Upholstering Co.
BRUNSWICK—Vickers & Mann
ROME—Rome Furn. Co.

ILLINOIS.

ASHLAND—Olbrich & Golbeck Co., 865H N Ashland av
BLOOMINGTON—Dodge Dickinson Co.
Will, J. E. Co.
CHICAGO—Am. Furn. Novelty Co., 2004H W Lake
Am. Parlor Furn. Co., 421H N Lincoln
Balkwell & Patch Furn. Co., 1000H Fullerton av
Chicago Mission Furn. Co., 1919H Clybourn av
Chicago Wire Chair Co., 619H N La Salle av
Churchill Cabinet Co., 2119H Churchill
Colby, J. N. A. & Sons, 129H N Wabash av
Crysteel Works, of Benjamin Electric Mfg. Co. (Children's), 847 W Jackson blvd
Doetsch & Bauer Co., 1534H Altgeld
Fenske Bros. (Upholstered), Dept. H, 1666 McHenry
Fischer Furn. Co., 406H N May
Freese J. D. & Sons Co., 2501 Homer
Gold Furn. Co., 2238H S Union
Green Mfg. Co., 1500H N Halsted
Hanson, Louis Co. (Barbers' Chairs), 1500H N. Kostner av
Hausse, Aug. & Co., 869H Weed
Herhold Chair Co., 1025H W Erie
Hollatz Bros. (Parlor), Dept. H, 2315 Grand av
Horn Bros. Mfg. Co. (Bedroom), 1144 W Superior
Johnson, A. J. & Sons Furn. Co., Dept. H, 517 Noble
Ketcham & Rothschild, 823 S Wabash
Mallen, H. Z. & Co. (Frames), 4235 W Lake
Meilahn Bros., 900H N Paulina
Metz, J. L. Furn. Co., 1465 W 37th
Niemann Table Co. (& Chairs), 77th & Cottage Grove av
O'Mara Parlor Frame Co., 2141H W Austin av
Passow & Sons (Bedroom), 2101 S. Allport
Peck & Hills Furn. Co., Dept. H, 1357 S Wabash av
Pullman Couch Co., 3759 S Ashland av
Rann, Jacob P. & Sons (Upholstered), 1021H Lill av
Revell, Alex. H. & Co., 141H S Wabash av
Royal Metal Mfg. Co., 2318H S Western av
Salter Mfg. Co., 339H N Oakley blvd
Schomer, Henry Co. (Davenports & Day Beds), 1814 S Kilbourn av
Tauber, Maurice & Co. (Parlor), 2599H Archer av
Tobey Furn. Co., 33H N Wabash av
Valentine Seaver Co. (Upholstered), 4127 George
Windsor Furn. Co., 1420H Carroll
Zangerle & Peterson Co. (Frames), 2164H Clybourn av
KANKAKEE—Kroehler Mfg. Co.
MOLINE—Moline Furn. Works
ROCKFORD—Central Furn. Co.
Continental Desk Co.
Co-Operative Furn. Co.
Empire Mfg. Co.
Excel Mfg. Co.
Imperial Furn. Co.
Ill. Cabinet Co.
Mechanic's Furn. Co.
Rockford Bookcase Co.
Rockford Cabinet Co.
Rockford Cedar Furn. Co.
Rockford Chair & Furn. Co.
Rockford Furn. Co.
Rockford National Furn. Co.
Rockford Palace Furn. Co.
Rockford Peerless Furn. Co.
Rockford Republic Furn. Co.
Rockford Superior Furn. Co.
Rockford World Furn. Co.
Royal Mantel Co.
Skandia Furn. Co.
Union Furn. Co.
West End Furn. Co.
Winnebago Mfg. Co.
SPRINGFIELD—Dirksen A. & Son, Dept. H
Ewing Thomas L.

INDIANA.

ALBANY—Fierner Peter Furn. Co.
BATESVILLE—Am. Furniture Co., Dept. H
Batesville Cabinet Co.
Batesville Furn. Co.
Union Furn. Co.
Western Furn. Co.
BLOOMINGTON—Showers Bros. Co.
BRAZIL—Stout Furn. Co.
BROOKVILLE—Brookville Furn. Co.
COLUMBUS—Glanton J. A.
Orinoco Furn. Co.
CONNERSVILLE—Connersville Furn. Co.
EDINBURGH—Edinburgh Cabinet Co.
ELKHART—Inner Braced Furn. Co.
EVANSVILLE—Crescent Furn. Co., 701 1st av
Evansville Bookcase & Table Co.
Evansville Furn Co., 316 W Indiana
Evansville Mattress & Couch Co., 300 Central av
Faultless Caster Co., 1521 N Garvin
Globe Bosse World Furn Co., 600 W Maryland
Graulick Casper & Co., 122 S First

(Continued on following page)

Furniture (Household)—Continued

INDIANA—Continued

EVANSVILLE—Imperial Desk Co.
Indiana Furn. Co., 18 S Sixth
Karges Furn. Co., 301 W Maryland
Klamer-Gobel Furn Co., 1320 Edgar
Klamer O. A. Furn. Co., 1320 Edgar
Metal Furn. Co., 21250 1st av
Midland Furn. Co., 5 Merchants Bank bldg
Reitz-Spiegel Furn. Co., 617 Main
Specialty Furn Co., 35 N Elsas av
U. S. Furn. Co., Morgan av
Weymess Furn Co., Dept. H, Fulton av & Belt R. R.

INDIANAPOLIS—Bank Furn. Co., Dept. H, 16th & Lewis
Cabinet Makers' Union, Union Market & Pine
Clune M. & Co. (Chairs, Rockers), 1407 S Meridian
Furnas Furn. Co. (Office), 139 S East
Kramer Mfg. Co., 602H S New Jersey
Lauter H. Co., W Wash & Harding
Madden John J. (Davenports), Dept. H, Sherman Drive & 16th
Madden Thomas & Son & Co. (Lounges), Fletcher & C. C. C. & St. L.
Udell Works (Fancy Specialty), Dept. H, 28th & Barnes av
Western Furn. Co., 1038H Madison av

LA PORTE—McLelland Buck & Wise Co.
Rustic Hickory Furn. Co.

LAWRENCEBURG—Johnston & Klare Mfg. Co.

LOGANSPORT—Logansport Furn. Co.

MADISON—McKim & Cochran Furn. Co.

MARION—McClure Mfg. Co. (Kitchen Cabinets)

NEW ALBANY—Lucik A.

NORTH VERNON—North Vernon Lumber Co.

PERU—Standard Cabinet Mfg. Co.

RICHMOND—Louck & Hill Co.
Richmond Furniture Mfg Co. (Kitchen Cupboards & Wardrobes),

SHELBYVILLE—Albert Furn. Co., Dept.H
Blanchard Hamilton Furn. Co.
Campbell C. H. Furn. Co.
Conrey D. L. Furn. Co., Dept. H
Conrey Davis Mfg. Co., Dept. H
Danziger Furn. Co.
Davis Birley Table Co.
Hodell Furn. Co.
Shelbyville Wardrobe Mfg. Co.
Speigel Furn. Co.

VINCENNES—Vincennes Furn. Mfg. Co.

WABASH—Cardinal Cabinet Co. (Bed Room & Dining Room).

IOWA.

BURLINGTON—Chittenden & Eastman Co.
Northwestern Cabinet Co.

CLINTON—Anderson Furn. Co., Dept. H
Anderson-Winter Mfg. Co., Dept. H
Clinton Furn. Co.
Kelley J. A. & Bros.

DES MOINES—Harbach's Louis Sons Co.
Jaeger Furn. Co.
Schmitt & Henry Mfg. Co.

GRAND RAPIDS—Parlor Furn. Mfg. Co.

KEOKUK—Carter Mfg. Co.

MARSHALLTOWN—Downing E. E. Co.

KANSAS.

KANSAS CITY—Hutchins W. E. Furn. Co.

LEAVENWORTH—Klemp H. W. Furn. Co.

WICHITA—Gilbert J. O. Furn. Co.

KENTUCKY.

COVINGTON—Ballman Cabinet Co.

HENDERSON—Marshall Furn. Co.

LOUISVILLE—Bittners G. Sons
Indian Furn. Co.
Jefferson Woodworking Co. (Table Slides)
Kopp William Co
Palmer & Hardin
Voss Table Co.
Wilson Furn. Co.

LOUISIANA.

LAKE CHARLES—Berdon-Campbell Furn. Co. Ltd.
Southern Furn. Co.

NEW ORLEANS—Maestri Francis & Paul Furn. Co., Dept. H, Custom House & Rampart
Muller Furn. Mfg. Co., 201-213 N Derbigny
New Orleans Furn. Mfg. Co., Dept. H, foot of Belle Castle

MAINE.

PORTLAND—Beals Thos. P.
Carleton Furn. Co.

MARYLAND.

BALTIMORE—Bagby Furn. Co., Dept. H, Eastern av & Exeter
Baltimore Chair & Furn. Co., 810H Madison av
Goldstrom Bros., 118H N Paca
Hughes Furn. Mfg. Co., Dept. H, Haubert & Beason
Knipp J. C. & Sons, 218H Clay
Levenson & Zenitz, Howard & Ostend
Meislahn C. & F. Co., 19H Clay
Pimes M. & Co., 300 N Front, Dept. H
Reliable Furn. Mfg. Co., 303H President
Spindler George, Dept. H, 608 W Pratt

CUMBERLAND—Flurschutz H. U. F. & Son

HAGERSTOWN—Hagerstown Furn. Co.
Hagerstown Lounge Co.
Hagerstown Table Works
Miller C. D.
Rupp Furniture Co. (For Bedrooms)

MASSACHUSETTS.

ATHOL—Higgins J. F. & Co.
Morse L. & Sons, Dept. H

BOSTON—Davenport A. H. Co., Dept H, 573 Boylston
Heywood Bros. & Wakefield, 174H Portland
Irving & Casson, 573H Boylston
Metropolitan Mfg. Co., 777H Boylston
Paine Furn. Co.
Phelps & Bradley Co., Dept. H, 38 Wareham
Union Parlor Furn. Co., 43 Beverley

CAMBRIDGE—Kaplan Furn. Co.
Shaw Furn. Co.

GARDNER—Commonwealth Mfg. Co.
Dunn John A. Co.
Greenwood Associates (Dining, Bedroom & Rocking Chairs).
Pierce S. K. & Son Co.

LEOMINSTER—Merrian Hall & Co. (N Leominster)
Whitney Reed Corp.

LOWELL—Hawkes Levi & Co.

SOMERVILLE—Baillie Basket Co. (Rattan)

SPRINGFIELD—Metropolitan Furn. Co.
U. S. Spring Bed Co. (Couch Beds), 228 Birnie av

WORCESTER—Guy Furn. Co., 10 Austin, Dept. H

MICHIGAN.

ADRIAN—Economy Drawing Table Mfg. Co.
Palmer A. E. & Son

ALLEGAN—Baker & Co.
Oliver & Co.

ANN ARBOR—Michigan Furn. Co.

BATTLE CREEK—Home Furniture Co., Dept. H

BAY CITY—Kelton Aurand Co.

BIG RAPIDS—Big Rapids Furn. Mfg. Co.
Falcon Mfg. Co.
Luce-Redmond Chair Co., Ltd.

CHARLOTTE—Charlotte Furn. Co.

DETROIT—Andrews A. W., 1316 Congress E
Detroit Cabinet Co., 4810 Riopelle
Detroit Chair Mfg. Co., 4797 Bellevue
Haberkorn C. H. & Co., 1327 W Elizabeth.
Keenan & Jahn, 334H Woodward
Murphy Chair Co., 1813 Dime Bank bldg
Pohlman & Co., 522 Vermont av
Posselius A. & Co., Dept. H, 440 Gratiot

GRAND RAPIDS—Adjustable Table Co.
Berkley & Gay Furn. Co.
Berkley W. A. Furn. Co.
Century Furn. Co.
Foote Reynolds Co.
Fritz Mfg. Co.
Furniture Studios (Inc.)
Grand Rapids Fancy Furn. Co.
Grand Rapids Furn. Co.
Grand Rapids Upholstering Co.
Imperial Furn. Co.
Johnson Furn. Co.
Luce Furn. Co.
Muller & Slack Co. (Upholstered)
Nachtegall Mfg. Co.
Oriel Cabinet Co.
Paalman Furn. Co.
Paine C. S. Co. Ltd. (Upholstered)
Retting Furn. Co.
Rex Robinson Furn. Co.
Royal Furn. Co.
Sligh Furn. Co.
Stow & Davis Furn. Co.
Wallace Furn. Co.
Welch Mfg. Co.
Widdicomb Furn. Co.
Widdicomb John Co.

HOLLAND—Bayview Furn. Co.
Holland Furn. Co.
Limbert Chas. P. Co.
Ottawa Furn. Co.
Thompson Mfg. Co.
West Michigan Furn. Co.

IONIA—Ypsilanti Reed Furn. Co.

JACKSON—Michigan Seating Co.

MANISTEE—Manufacturers Furn. Co., Dept. H

MUSKEGON—Muskegon Valley Furn. Co.

NORTHVILLE—Globe Furn. Co.

OWOSSO—Estey Mfg. Co.
Woodard Furn. Co.

SAGINAW—Herog Art Furn. Co.
Opportunity Mfg. Co. (Mission)
Schmelzer John

STURGIS—Aulsbrook & Jones Furn. Co., Dept. H.
Wilhelm Furn. Co.

MINNESOTA.

FARIBAULT—Faribault Furn. Co.

MINNEAPOLIS—Barnard Cope Mfg. Co., Dept. H, 4th & 2nd av N E
Grau-Curtis Co., 613H 1st av
McLeod & Smith, 700H Central av
Minneapolis Bedding Co. (Day Beds), 5th & Hennepin.
New Eng. Furn. & Carpet Co., Dept. H, 5th, 6th & Marquette av
Northwestern Furn. & Supply Co., Dept. H, 619 Wash av
Alexander Roman, 197H Island av E

RED WING—Red Wing Mfg. Co. (Buffets, Extension & Library Tables).

ROCHESTER—Tollefson R. L. Co.

ST. PAUL—Joerns Bros. Co.
Twin City Mission Furn. Co.

MISSOURI.

KANSAS CITY—Abernathy Furniture Co., Dept. H
Hutchins W. E. Furniture Co.
Sammons V. K., 30th & S W blvd

LEXINGTON—Winkler Furn. Co.

ST. LOUIS—American Bed Co. (Metal Couches, Beds, etc.), 1820H Park av
Conrades Mfg. Co., 1942H N 2nd
Hanpeter F. W., 111H & Palm
Kostube Chas. J. Furn. Co., 900H S 7th
Landau Cabinet Co., Dept. H, 1545 Tower Grove av
Meier & Pohlman Furn. Co., 14th & Palm, Dept. H
Missouri Furn. Co., 1436 N 20th
National Chair Co., 301 S Main
Peters Joseph Furn. Co., Dept. H. 1457 15th
St. Louis Furn. Workers' Association. Dept. H, 25th & Palm
Standard Furn Mfg. Co., 2722 S 3rd Dept. H
Staudte Reuckoldt Mfg. Co. (Store & Office), 112H Soulard
Udell Predlock Mfg. Co., 2305H N Broadway
Western Furn. Co., Dept. H, Blair & Palm

NEBRASKA.

LINCOLN—Hardy Furn. Co.
Western Furn. & Manufg. Co.

NORFOLK—Hoffman W. R., Dept. H

NEW HAMPSHIRE.

CONCORD—Beecher Falls Co.

NASHUA—Indian Head Table Co.

NEW JERSEY.

HOBOKEN—Ferguson Bros. Mfg. Co (Novelties)
U. S. Willow Furn. Co., 401 13th, Dept. H

PASSAIC—Reskin Jacob

NEW YORK.

ALBANY—Hasselbarth C. O.

BUFFALO—Buffalo Davenport Bed Co. 15H Bradley
Buffalo Lounge Co., 567H Exchange
Cutler Desk Co., 20H Churchill
Hersee & Co., 303H Ellicott
Kittinger Furn. Co., 1893H Elmwood av

CAMDEN—Dana Geo. W.
Young J. M. & Sons

CANASTOTA—Lenox Shops

CORTLAND—Cortland Cabinet Co.

GREENE—Greene Mfg. Co.

HERKIMER—Hale F. E. Manuf. Co (Library)
Wagner Furn. Co.

HORNELL—Deutsch J. M. Co.

HUDSON—Winstian Louis

JAMESTOWN—Advance Furniture Co. (Bedroom), Dept. H
Alliance Furn. Co. (Bedroom), Dept. H
Anchor Furn. Co. (Tabourettes). Dept. H
Atlas Furniture Co. (Bedroom), Allen
Curtis F. M. Co.
Diamond Furn. Co.
Eckman Furn. Co.
Herrick C. W. Mfg. Co.
Himebaugh Bros. (Dining Room)
Jamestown Lounge Co.
Jamestown Upholstery Co.
Maddox Table Co. (Parlor), 101 Harrison
Marvel Furn. Co.
Monarch Furn. Co. (Dining Room)
Norquist A. C. Co. (Bedroom)
Shearman Bros. Co.
Star Furn. Co. (Bedroom), Dept. H
Tillotson Furniture Corp. (Bedroom)
Union Furn. Co.

MEDINA—Cook S. A. & Co., Dept. H.
Empire Couch Co.
Maher Bros. Co., Dept. H

NEWARK—Hallagan & Thompson Co. (Furn. Mfrs.)

NEW YORK CITY

Borough of Brooklyn

BROOKLYN—Diener & Co., 88H Withers
National Parlor Suit Co., Dept. H, 65 Raymond
Rohmann C. F. & Son Co., 78H Prince
Romer Mfg. Co., 205H Diamond
Shuff Samuel, Dept. H, 735 Bedford av

Borough of Manhattan and Bronx

NEW YORK—Aimone Mfg. Co., 430H E 23rd
Barth L. & Son (Dirs.), Cooper sq
Bolte Chas. Sales Organization, 469 7th av
Bossong John, 534H W 58th
Cocheo Bros., Dept. H, 667 1st av
Fuldner My. & Sons, 404H E 14th
Grand Rapids Furn. Co., 417H Madison av
Greenstein S. & Sons, 206H W 29th
Hale Co., 68H William
Hampden Mfg. Co., 17 Warren
Heinrichs Joseph, 948H B'way
Helmsky John, 208H E 120th
Herrmann H. Furniture Co., 527 W 34th
Huber H. F. & Co., 13H E 40th
Hyman Bros. & Co. (Upholstered), 877 Bway
Karpen S. & Bros., W 37th & B'way

Kimbel A. & Sons, Inc., 534H Madison av
Lowenbein's A. Sons, 537 5th av
Nathan P. & Co., 158H Hester
National Mfg. Co., 35 Warren
Palmer & Embury Mfg. Co., Dept. H, 9 Gouverneur Slip
Reischmann Co., Dept. H, 229 W 36th
Reischmann H. & Sons (Inc.), 138H Willow av
Shaw Furn. Co., 730 5th av
Singer M. & Sons, 23H Elizabeth
Smith & Jones, 214 E 37th.
Sons Cunningham Reed & Rattan Co., 157 E 32nd, Dept. H
Stokes Wm. A. & Co., 50H Howard
Vogel F. & Co., 214H E 37th
Willow Furn. Co., 625H W 42nd
Zodikow Frame Co., 428H E 10th

Borough of Queens

LONG ISLAND CITY—**Orsenigo Co., Inc.** (Novelties), Skillman & Rawson.
Teepe J. Chas., Inc., Mott & Vernon avs

End of New York City

ROCHESTER—Brooks S. Furn. Co.
Fess Bros.
Hubbard Eldredge & Miller (Rocking Chairs), 280 Lyell av
Michelsen George J. Furn. Co.
Miller Cabinet Co.
SALMANCA—Fancher Furn. Co.
Salamanca Furn. Works
Sterling Furn. Co.
SILVER CREEK—Montgomery H. J. Mfg. Co.
SYRACUSE—Brown Curtis & Brown
Butler Mfg. Co.
Stickley Mfg. Co. (Artistic)

NORTH CAROLINA.

ASHEVILLE—Smathers J. L. & Sons
BURLINGTON—Smith M. B.
Goldsboro Furn. Mfg. Co.
GREENSBORO—Sterling Furn. Co.
HIGH POINT—Continental Furn. Co.
Dalton Furn. Co.
Giant Furn. Co.
Globe Parlor Furn. Co.
High Point Furn. Co.
Kearns Furn. Co.
Marsh Furn. Co.
Southern Chair Co. (Chairs, Rockers, etc.)
Tate Furn. Co.
Union Furn. Co.
Welch Furn. Co.
Wrenn-Columbia Furn. Co.
MEBANE—White Furniture Co.
RALEIGH—Royall & Borden Furn. Co.
STATESVILLE—Carolina Parlor Furn. Co.
Imperial Furn. Mfg. Co.
Statesville Furn. Co.
WINSTON-SALEM—Huntley B. F. Furn. Co.

OHIO

ASHLAND—Fox Furn. Co.
CAMBRIDGE—Suitt Bros. Mfg. Co.
CHILLICLOTHE—Poston B. C. Mfg. Co.
CINCINNATI—Art Joinery Co., Dept. H, 13th & Clay
Betts Street Furn. Co., 920H Betts
Cinti. Cabinet Co., 2264H Bogen
Ficks Reed Co., Dept. H, 424 Findlay
Globe-Wernicke Co. (The), 25 Carthage av
See adv index at end of book
Henshaw G. & Sons Co., Elm, c. Dept. H
Kaiper's Charles & Sons, 221 Greenup
Kreimer & Bro. Co., Dept. H, 9th, c. Carr
Mitchell, The, Robert Furn. Co., 624H Race
Onken Oscar & Co., Dept. H, 4th & Cutter
Renesch A. & Co. Wilstach, c. Dalton, Dept. H
Scheid Jos. Sons Co., 1908H Dunlop
Schirmer Furn. Co., 1911 Elm, Dept. H
Sextro Mfg. Co., 2126H Winchell av
Steinman & Meyer Furn. Co., 1113H York
Stille & Suhlmeier, Dalton & Wade
Streit The C. F. Mfg. Co., 1104 Kenner av
CLEVELAND—Bonhard Art Furn. Co., 2060H Euclid av
Kurtz Furn. & Mfg. Co., 2181 E 55th
Loeblein & Dietzel, 2811H Vermont av
Marble & Shattuch Chair Co., 96H Foster
McHugh P. A. Chair Co., Dept. H, 1152 W 11th
Scheier D. L. Furn. Co., Dept. H, 2206 Superior av
DAYTON—Brown Furn. Co.
May Furn. Co.
Mutual Mfg. Co.
Ohmer's M. Sons Co.
HILLSBORO—Geyler Furn. Co.
Globe Chair Co.
LOGAN—Snider Mfg. Co.
MARIETTA—Marietta Chair Co.
MIAMISBURG—Burkhardt Furn. Co.
NEWARK—Newark Ohio Furn. Co.
NORWALK—Stewart George S. Co.
PIQUA—Cron & Co.
Crons-Kills Co.
PORTSMOUTH—Wait Furn. Co.
TOLEDO—Buckeye Furn. Co.
Hein Furn. Co. (Special)
Toledo Metal Furn. Co.
Toledo Parlor Furn. Co.
URBANA—Urbana Furn. Co.
WARREN—King Furn. Mfg. Co.
Western Reserve Furn. Co.

OKLAHOMA

CHICKASHA—Sigman Furn. Co.
OKLAHOMA—Bass Furn. & Carpet Co.
Oklahome Furn. Mfg. Co.

OREGON

ALBANY—Albany Furn. Co., Dept. H
PORTLAND—Carman Mfg. Co. (Bed & Dining Room), 1214 MacAdam
Doernbecher Mfg. Co., Dept. H, E 28th & O. W. tracks
King Fisher Mattress Co. ("King Fisher" Overstuffed), 474 Albania.
Oregon Chair Co., 1190 MacAdam
West Coast Specialty Co. (Kitchen & Juvenile), Fitzpatrick bldg
Portland Furn. Mfg. Co., 1249H Macadam road

PENNSYLVANIA

ALLENTOWN—Bear G. H. Furniture Co., 15th & Green
Buehler G. & Co., 301 N Front
Dorney C. A. Furn. Co., 612 Hamilton
Yeager Furn. Co., 22 N 7th
ATHENS—Athens Furn. Co.
BETHLEHEM—Kutz Bros.
Lattig & Shimer Co.
BROOKVILLE—Deemer A. D. Furn. Co.
CATASAUQUE—Kutz Furn. Co., Dept. H, Fullerton
CHAMBERSBURG—Sierer J. Sons
CORRY—Corry Fibre Furn. Co.
K. L. P Furn. Co. Ltd.
HANOVER—Hanover Cabinet Co.
Long Furn. Co.
LEBANON—Lebanon Valley Furn. Co.
MUNCY—Muncy Furn. Co.
PHILADELPHIA—Becker D. & Sons, 1151 N 3rd
Behrend Jacob, 122H Allen
Burt Bros., 2000H S 9th
Dougherty H. D. & Co. ("Faultless" Steel), 17th & Indiana
Karcher & Rehn Co., 1608H Chestnut
Knell W. W. & H. H., 1935 Market
Knoell John & Sons, 231 S 2nd
Kraan H. Furn. Co., Dept. H, Master & 6th
Kramer Woodworking Co., Dept. H, 3rd & Cumberland
Lincoln Furn. Co., Dept. H, 19th & Lehigh
McCracken J. S. & Co., 212H Church
Phoenix Metal Stamping Co. ("Sani-Can"), 2827H W Fletcher
Pooley Furn. Co., Indiana av & 17th
Rainey Joseph C., Dept. H, 230 S 2nd
Royal Upholstered Furn. Co., Dept. H, 137 N 2nd
Schwartz C. E., 231H S Amer.
Sikes Co., Dept. H, 23rd & Pasnyk
Smith Geo. W. & Co., Dept. H, 49th & Botanic
PITTSBURGH—Half Fleix & Bro. (Who), Dept. H, Century bldg
Pickering M. H. Co., Dept. H, Penn & 10th
Spear & Co., Dept. H, 915 Penn av
Stevens Chair Co., 218H 3rd av
RED LION—Ebert Furn. Co.
Red Lion Cabinet Co.
Red Lion Furn. Co.
SCRANTON—Kaplan Morris Co., 211 Lackawanna av
Stark R. J., 825 Taylor
Stoehr & Fister, 202 Adams
WARREN—Conewango Furn. Co.
Phenix Furn. Co.
WILLIAMSPORT—Culler Furn. Co.
Dittmar Furn. Co.
Heilman A. H. & Co.
Keystone Furn. Co., Dept. H
Rishel J. K. Furn. Co
Williamsport Furn. Co.
YORK—Home Furn. Co.

RHODE ISLAND.

PAWTUCKET—Jenks H. F. Co.

SOUTH DAKOTA.

SIOUX FALLS—Smith E. B. & Co.

TENNESSEE.

CHATTANOOGA—Celmons Bros., 8th & Chestnut
Chattanooga Furn. Co., 14th & Chestnut
Gottschalk & Co., 732 Market
Sterchi Bros. & Fowler Furn., 703 Broad
HARRIMAN—Dame Furniture Co. (Bedroom & Dining Room)
JACKSON—Budde & Weis Mfg. Co.
KNOXVILLE—Hall W. L. Furn Co., 414 S Gay
MEMPHIS—King Hasse Furn Co., 497 N Front
Memphis Furniture Mfg. Co., 715 S Camilla
Tenn Furn. Mfg. Co.
NASHVILLE—Bonner Furn. Co.
Standard Furn. Co., 901 S 5th

TEXAS.

BEAUMONT—Phoenix Furn. Co.
BROWNWOOD—Empire Furn. Co. (Wholesale & Retail)
DALLAS—Olive & Meyers Mfg. Co.
ENNIS—Abrams Furniture Co., Dept. H
Allen & Kendall, Dept. H
FORT WORTH—Childress Furn. Co.
Ellison Furn. & Carpet Co.
HOUSTON—Hudson E. A. Furn. Co.
Myers Spalti Mfg. Co.
Waddell's House Furnishing Co.
PALESTINE—Bailey Furn. Co.
PARIS—Rodgers-Wade Furn. Co. (Who)
SAN ANTONIO—Stowers G. A. Furn. Co.
TEXARKANA—Southern Furniture Co. (Bed Room Suites, Tables, etc.)

VERMONT.

BENNINGTON—Cushman (H. T.) Mfg. Co.
BRATTLEBORO—White River Chair Co. (Rockers), Dept. H.
RANDOLPH—Salisbury Bros., Furniture Co.

VIRGINIA.

CHASE CITY—Nicholson K. Furn. Co.
DANVILLE—Boatwright Furn. Co.
LYNCHBURG—Reams & Co.
MARTINSVILLE—Am. Furn. Co., Dept. H
RICHMOND—Amer. Furn. & Fixture Co., 2823H Lester
James River Furn. & Mattress Co., 312H Hull

WASHINGTON.

SEATTLE—Carman Mfg. Co., Dept. H, R. R. & Mass.
Davidson V. Furn. Co., 1114H 21st S
Rattan Furn. Co., Dept. H, 2648 15th
Seattle Chair & Woodworking Co. (Chairs, Stools & Rockers), 1147 W 47th
SPOKANE—Harrild's Factory (Bedroom), 927 1st
Lampkin Furniture & Fixture Mfg. Co., Inc., E 101 De Smet
Spokane Cabinet Co. (Kitchen), N 1008 Washington
Spokane Woodworking Co. Inc. (Bedroom & Kitchen), N 1303 Atlantic
TACOMA—Carman Mfg. Co.
Gregory Furn. Mfg. Co. (Upholstered), 2402 Centre
Harmon F. S. & Co. ("Day-an-Ite" Bed Davenports), 1938 Pacific av.
Hubbard Cabinet Co. (Frames & Special Work), 2121 Edison av
Kronlund Mattress & Furniture Co., 405 E 25th
Kust Wood Novelty Co. (Novelties, Breakfast Sets), 2909 S. Wekeson
Mae Donald C. E. Co. (Upholstered)
Murphy Mfg. Co.
Northwest Chair Co., 2201 S Edison
Washington Parlor Furn. Co.
Waterpower Furniture Mfg. Co. (Dining Room), Custer Sta.
West Coast Chair Co., 26th & E G

WEST VIRGINIA.

CHARLESTON—Dawley Furn. Co.
HUNTINGTON—Empire Furn. Co.
Penn Table Co. (Dining Room Tables)
Nicholson Kendle Furn. Co.

WISCONSIN.

APPLETON—Brettschneider Furn. Co.
ATKINSON—Northwestern Mfg. Co. (Carriages & Wagons)
EAU CLAIRE—Phoenix Furn. Co.
Pioneer Furn. Co.
FOND DU LAC—Winnebago Furn. Mfg. Co.
JANESVILLE—Hanson Furn. Co.
KENOSHA—Simmons Co.
MILWAUKEE—Heyer Henry & Son
Matthews Bros. Furn. Co.
Milwaukee Parlor Frame Co.
Northwestern Furn. Co. (Store & Office)
Republic Furn. Co., Mfg.
Ritter Louis Mfg. Co.
OSHKOSH—Banderob Chase Mfg. Co.
Buckstaff Co. (Chairs & Caskets)
Gold Medal Camp Furn. Co. (Lawn & Porch Folding)
SHEBOYGAN—Am. Parlor Frame Co., Dept. H
Art. Furn. Co.
Dillingham Mfg. Co.
Northern Furn. Co.
Northfield Co.
Sheboygan Chair Co.
Sheboygan Upholstering Co.
TWO RIVERS—Eggers F. Veneer Seating Co.

5146—Furniture (Knocked Down)

Bockstege Furniture Co. (Tables, etc.), 301 W. Franklin, Evansville, Ind.
Cron L. C. & W. L. Co., Piqua, O.
Imperial Furniture Co (Tables, etc) Grand Rapids, Mich.

5147—Furniture (Lawn & Porch)

See also Settees & Chairs, Lawn

Appleton Toy & Furniture Co. ("Appleton" Porch Furniture), Appleton, Wis
Cincinnati Iron Fence Co. (Lawn), 3312 Spring Grove av, Cincinnati, Ohio
See adv index at end of book
Crocker Chair Co. (Porch Chairs & Settees), Sheboygan, Wis.
Dow Co., 201H N Buchanon, Louisville, Ky.
Dufur & Co. (Wire), 311 N Howard, Baltimore, Md.
Fall Creek Mfg. Co., Mooresville, Ind.
Fortier Theo. (Stone Lawn Vases), 1971 B'way, Brooklyn, N. Y.
Gendron Wheel Co. (Porch), Toledo, O.
Goshen Mfg. Co., Goshen, Ind.
North Shore Ferneries Co., Beverly, Mass.
Pratt Mfg. Co., Coldwater, Mich.
Southern Chair Co. (Porch), High Point N. C.
Steinfeld Bros. (Hardwood), 116 W 32d New York

(Continued on following page)

Furniture (Lawn & Porch)—Cont.

Sun Mfg. Co. (Also Camp), Columbus, Ohio
Van Dorn Iron Works Co. (The), 2700 E 79th, Cleveland, Ohio
See adv index at end of book
Wis. Iron & Wire Wks. (Metal), 1660 Booth, Milwaukee, Wis.

5148— Furniture (Metallic)

See also Bank & Office Fixtures, Metallic
Albatross Metal Furniture Co. ("Albatross"), 715 Thurman, Portland, Ore.
Allen Ivan-Marshall Co. (Jobbers), 44 Marietta, Atlanta, Ga.
Andrews A. H. Co. (Chairs, Stools, Tables, etc), 107 S Wabash av, Chicago, Ill.
Art Metal Construction Co. ("Art Metal" Office, Pantry, Chiffoniers, Bureaus, Sideboards), Jamestown, N. Y.
Aseptic Furniture Mfg. Co., Pioneer bldg, Seattle, Wash.
Art Metal Products Co., 514 S Green, Chicago, Ill.
Bernstein Mfg. Co., 3d & Alleghany, Phila., Pa.
Budde & Weis Mfg. Co., Jackson, Tenn.
Buffalo Metal Furniture Mfg. Co. (Office), 513 Niagara, Buffalo, N. Y.
Canton Art Metal Co., Canton, O.
Celina Specialty Co. (Chairs, Stools, Tables, etc), Celina, O.
Chicago Wire Chair Co. (Wire or Metal **Chairs, Tables, Stools, etc), 619 N La** Salle av, Chicago, Ill.
COBURN TROLLEY TRACK MFG. CO., P. O. Box 127, Holyoke, Mass.
Corry-Jamestown Mfg. Co. (Steel), Corry, Pa.
Davidson J. L. Co., 644-48 Mateo, Los Angeles, Cal.
Edwards O. M. Co., Inc. ("Edwards" Steel), Syracuse, N. Y.
GENERAL FIREPROOFING CO., (The), (Steel), 2308 Logan av, Youngstown, Ohio
See adv index at end of book
GLOBE-WERNICKE CO. (THE) (Office), 25 Carthage av, Cincinnati, Ohio
See adv index at end of book
Hudson Beauty Furn. Co. (Beauty Parlor), 1125 Sentous, Los Angeles, Cal.
Imperial Methods Co., 750 S Circle av, Forest Park, Ill.
Jamestown Metal Desk Co. (Office Desks), Dept. H, Jamestown, N. Y.
Library Bureau, Dept H, Cambridge, Mass.
Lupton's David Sons Co. (Factory), Allegheny av. & Tulip, Phila., Pa.
See adv at Shelving, Steel
Metal Office Furniture Co. (Office), Grand Rapids, Mich.
National Safe & Lock Co. (For Express Companies), 2341 E 69th, Cleveland, Ohio
Penn Construction Co., Marietta, Pa.
Pick Albert & Co., 212 W Randolph, Chicago, Ill.
Reid Bros., 91 Drumm, San Francisco, Cal.
Royal Metal Furniture Co., 174 7th, Brooklyn, N. Y.
Royal Metal Mfg. Co. (Weatherproof Chairs, Tables, Stools, etc), 2318 S Western av, Chicago, Ill.
Steel Fixture Mfg. Co., Topeka, Kan.
Steel Furniture Co., Grand Rapids, Mich.
Toledo Metal Furniture Co. ("Uhl" Art Steel, for Office Equipment, etc), Toledo, O.
Universal Steel Cabinet Co., 2026 Pacific, B'klyn, N. Y.
Van Dorn Iron Works Co. (The) (Steel), 2700 E 79th, Cleveland, Ohio
See adv index at end of book
Watson Mfg. Co. (Steel), Dept. H., Jamestown, N. Y.

5148a— Furniture Novelties

See Also Desk Mfrs., Filing Cabinets and Devices, Bank and Office Fixtures
Art Lamp Mfg. Co. (Wrought Iron Console Tables, etc), 1433 S Wabash, Chicago, Ill.
Beckwith Bros. Co., Westfield, Mass.
Behrend Jacob, 118 Allen, Phila., Pa.
Bethlehem Shipbuilding Corporation, Ltd. (Ship), Bethlehem, Pa.
Browne Morse Co., Muskegon, Mich.
Coburn Trolley Track Mfg. Co., P. O. Box 127, Holyoke, Mass.
Dietzgen Eugene Co. (Draughting Room), 166 W Monroe, Chicago, Ill.
Mason Mfg. Co. (Floor Lamps and Shades), 306 Winston, Los Angeles, Cal.
Oakland Cabinet Works, 1011 University av, Berkeley, Cal.
Relaxo Mfg. Co. ("Relaxo" Juvenile), 1321 Willow, Los Angeles, Cal.
White River Chair Co., Brattleboro, Vt.

5148b— Furniture (Office)

WEIS MFG. CO. THE, Monroe, Mich.
See adv index at end of book

5149—Furniture (Post Office)

See also Bank & Office Fixtures, Metallic
Art Metal Construction Co., Jamestown, N. Y.
Federal Equipment Co., Carlisle, Pa.
Keyless Lock Co., Indianapolis, Ind.
Nedrow Mfg. Co., Caledonia, N. Y.
Standard Mfg. Co., Appleton, Wis.

5150—Furniture (Rattan & Reed)

Art Rattan Works (Everything for the Home), 1218 24th av, Oakland, Cal.
Bailil Basket Co. (Also Willow), 165 Beacon Somi, Boston, Mass.
Bilt Rite Baby Carriage Co. (Reed), 40 Stockton, B'klyn, N. Y.
Bishop & Dickinson, Baldwinsville, Mass.
Bombayreed Willow Furniture Co. (Reed), 5155 Wakefield, Phila., Pa.
Boxall Jas., 3406-10 S. Park av, Los Angeles, Cal.
Burdett Chair Mfg. Co., Keene, N. H.
Burrowes E. T. Co. ("Luxfibre"), 68 Free, Portland, Me.
California Reed & Grass Furniture Works, 400 N Utah, Los Angeles, Cal.
Carriage & Toy Co. (Chairs & Tables), 741 W Lombard, Baltimore, Md.
Caulter's Rattan Works, 1141 Sutter, San Francisco, Cal.
Chicago Reed Ware Co. (Reed), 3127 W Chicago av, Chicago, Ill.
De Luxe Fibre Furniture Co. (Fibre), 1387 E 7th, Los Angeles, Cal.
Dickerman J. A., Gardner, Mass.
Dunn John A. Co., Gardner, Mass.
Ehlers Robt. J. Co., 469 7th av, New York
Fenton's, 16th & S Main, Los Angeles, Cal.
Ficks Reed Co., 424 Findlay, Cincinnati, O.
Gendron Wheel Co., Toledo, O.
Hartshorn C. H., Gardner, Mass.
Heywood Bros. & Wakefield Co., Gardner, Mass.
Hughes Rattan Co., 155 Valencia, San Francisco, Cal.
Jansen Ed., 110 W 18th, New York
Jenkins-Phipps Co., Wakefield, Mass.
Kelly Bros., Gardner, Mass.
Lattimer W. H. & Sons (Reed), Orwell, N. Y.
Lloyd Mfg. Co., Menominee, Mich.
Lux Fibre Furniture Co., Waukesha, Wis.
Mays Rattan Works, 3347 N Clark, Chicago, Ill.
Minneapolis Baby Carriage Co., 506 11th, Minneapolis, Minn.
New England Reed Co., 11a Green, Boston, Mass.
Oakland Wicker Works, 2610 San Pablo av, Oakland, Cal.
Pacific Quality Fibre Furniture Co., 2001 E Slauson av, Los Angeles, Cal.
Rich Bros., 7 E Pratt, Baltimore, Md.
Sunshine Reed Studio, 805 E Randolph, Huntington Park, Cal.
Veal Reed Chair Co., 802 Merrill av, Los Angeles, Cal.
Virgin J. M. & Son, Saco, Me.
Western Wicker Works, 3135 San Pablo av, Oakland, Cal.
Whitney Reed Corp. (Reed), Leominster, Mass.
Wicker Shop, 2506 Telegraph av, Berkeley, Cal.
Wickercroft Co., 403 S Raymond, Pasadena, Cal.
Withrow Mfg. Co., 2727 Spring Grove av, Cincinnati, Ohio
Ypsilanti Reed Furniture Co. (Reed), Ionia, Mich.

5151— Furniture (School)

Allen Chair Co. (Settees, Folding Chairs, etc), Concord Junction, Mass.
American Sash & Door Co. (Wholesale Mfrs.), 16th & Bellefontaine, Kansas City, Mo.
American Seating Co. (Automatic & Movable Desks & Seats), 14 E Jackson blvd, Chicago, Ill.
Andrews A. H. Co., 107 S Wabash av, Chicago, Ill.
Beckley-Cardy Co., 17 E 23rd, Chicago, Ill.
Bishop Furniture Mfg. Co., 2111 E 51st, Los Angeles, Cal.
Caxton School Supply Co., 560 W Monroe, Chicago, Ill.
Chicago Missouri Furniture Co., 1919 Clybourn av, Chicago, Ill.
Claus A. Mfg. Co., 5701 Walworth av, Cleveland, O.
Columbia School Supply Co., 326 W. 17th, Indianapolis, Ind.
Cook Furniture & Equipment Co., 919 Commercial Trust bldg, Phila., Pa.
Durard Desk Mfg. Co. (Desks), 700 S. Sichel, Los Angeles, Cal.
Fink & Schindler Co., 228H 13th, San Francisco, Cal.
Grand Rapids School Equipment Co. (Manual Training Equipment), Grand Rapids, Mich.
Haney School Furniture Co., Grand Rapids, Mich.
Heywood Bros. & Wakefield Co., Gardner, Mass.
Illinois Refrigerator Co., Morrison, Ill.
Kundtz Theodor Co., Winslow & Elm Cleveland, O.
Langslow, Fowler Co., Rochester, N. Y.
Lattig-Shimer Mfg. Co. (Movable School Desks), Bethlehem, Pa.
McLane Mfg. Co., Milford, N. H.
Manitowoc Church Furniture Co., Waukesha, Wis.
Murray L. A. & Co., Kilbourn, Wis.
N. J. School & Church Furniture Co., Trenton, N. J.
Peabody School Furniture Co., N Manchester, Ind.
Peter & Volz Co., Arlington Heights, Ill.
Readsboro Chair Co., Readsboro, Vt.
Richmond School Furniture Co., Muncie, Ind.
Rowles E. W. A. Co., 2345 S La Salle, Chicago, Ill.
Schiefer & Sons (Desks), Eighth & J., San Diego, Cal.
Sherwood Co., 1856 W 14th, Chicago, Ill.
Southern Desk Co., Hickory, N. C.
Stafford E. H. Mfg. Co., 367 W Adams, Chicago, Ill.
Standard Mfg. Co., Appleton, Wis.
Superior Seating Co., Muskegon, Mich.
Weber C. F. & Co., 605 Mission, San Francisco, Cal.
West Made Desk Co. ("West Made" Teachers Desk), Lewis & Loring, Portland, Ore.
Wholson Planing Mill Co., 405 N Mulberry, Lancaster, Pa.
Winnebago Furniture Mfg. Co., Fond du Lac, Wis.
Woodruff & Edwards Co. (Desks, etc), Elgin, Ill.

5152— Furniture (Willow)

Bombayreed Willow Furniture Co., 5155 Wakefield, Phila., Pa.
Burrowes E. T. Co. ("Luxfibre"), 68 Free, Portland, Me.
Heywood Bros. & Wakefield Co., Gardner, Mass.
Grand Rapids Fibre Furn Co., Grand Rapids, Mich.
Jenkins-Phipps Co., Wakefield, Mass.
Klauenerg Hugo, Berkeley, Cal.
Pahlow Reed & Willow Mfg. Co., 132 W. 27th, New York
Rattan Mfg. Co. ("R. M. C." Tables & Settees), 552H State, New Haven, Conn.
Willow Furniture Co., 625 W 42d, New York

5153-4-5—Furring & Lathing (Iron)

Berger Mfg. Co. ("Berloy" Furring), 1038 Belden av N E, Canton, Ohio
Collins-Steel Studding Co., Douglas bldg, Los Angeles, Cal.
Dennis J. B., Monadnock bldg, San Francisco, Cal.
GENERAL FIREPROOFING CO. (The), (Steel), 2308 Logan av, Youngstown, Ohio
See adv index at end of book
Goldsmith Metal Lath Co. ("Shurbond"), 53 Central av, Cincinnati, O.
Otto Theo. J. (Furring Strips), 5540 E 16th, Oakland, Cal.
Voss Fred'k, 552 W Monroe av, Chicago, Ill.

Fuse (Railway Signal)

See Torpedoes & Fuses, Railway Signal

5156— Fuse (Safety)

Atlas Powder Co., Wilmington, Del.
California Cap Co., 1540H San Pablo av, Oakland, Cal.
Giant Powder Co. Cons., San Francisco, Cal.
Hercules Powder Co. (Blasting), Wilmington, Del.

5156a— Fuse Wire

See also Fuses, Enclosed, Indicating; also Fuses, Miscellaneous, Electric
Bussmann Mfg. Co., 3819 N 23rd, St. Louis, Mo.
Chase-Shawmut Co., Newburyport, Mass.
Chicago Fuse Mfg. Co. ("Union"), Laflin & 15th, Chicago, Ill.
See adv index at end of book
GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book
Killark Elec. Mfg. Co., 3940 Easton av, St. Louis, Mo.
Reliable Elec. Co. (Blow-Rite & Lead), 3145 Carroll av, Chicago, Ill.

5156b— *Fuselages

Central Metal Products Corp., Canton, O.

5156c—*Fuses (Cartridge Non-Renewable)

Bryant Electric Co., 1421 State, Bridgeport, Conn.
Bussman Mfg. Co., 3819 N. 23rd, St. Louis, Mo.
ECONOMY FUSE & MFG. CO. ("Arkless," "Eco"), Greenview av at Diversey pkwy, Chicago, Ill.
See adv index at end of book
FEDERAL ELECTRIC COMPANY, 8702 S State, Chicago
See adv index at end of book

5157—Fuses (Enclosed, Indicating)

Bowie Switch Co., 14 Montgomery, San Francisco, Cal.
BRYANT ELECTRIC CO. (Electric), 1421 State, Bridgeport, Conn.
Chase-Shawmut Co. ("Shawmut"), Newburyport, Mass.
CHICAGO FUSE MFG. CO. ("Union"), Laflin & 15th, Chicago, Ill.
See adv index at end of book

"UNION" Saves More Than ANY Other Renewable Fuse

They effect the greatest reduction in fuse maintenance because they are easiest and quickest to renew and withstand the greatest number of blowouts.

Both Renewable and Non-Renewable types have the unqualified approval of the National Board of Fire Underwriters.

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Manufacturers also of Switch and Outlet Boxes, Cut Out Bases, Fuse Plugs, Fuse Wire and Automobile Fuses

CHICAGO **NEW YORK**



Trade Mark

Columbia Machine Works & Malleable Iron Co. (Renewable & Standard), Atlantic av & Chestnut, Brooklyn, N. Y.
Commercial Enclosed Fuse Co., Hoboken, N. J.
Conn. Elec. Mfg. Co., Bridgeport, Conn.
D & W Fuse Co. ("D & W" Cartridge or Plug Type), Hathaway, Providence, R. I.
ECONOMY FUSE & MFG. CO. ("Economy" Renewable & "Arkless" Non-renewable), Greenview av at Diversey pkwy, Chicago, Ill.
See adv index at end of book
Elec. Fuseguard Co., 60 Shipman, Newark, N. J.
FEDERAL ELECTRIC COMPANY, 8702 S State, Chicago
See adv index at end of book
GENERAL ELECTRIC CO. (Renewable, Plug, Link, Glass Tube), Schenectady, N. Y.
See adv index at end of book
Great Western Re-Fillable Fuse Co., Thaw bldg., Pittsburgh, Pa.
Harvard Elec. Co., 525 W Van Buren, Chicago, Ill.
Johns-Manville Inc. ("Noark"), Madison av & 41st, New York
Johns-Pratt Co., The ("Noark"), Hartford, Conn.
Killark Elec. Mfg. Co., 3940 Easton av, St. Louis, Mo.
Kirkman Engng. Corp. **("K. E."), 484 Broome, New York**
Marsh & Lippincott, 47 Kearny, San Francisco, Cal.
Metropolitan Device Corp., 1250 Atlantic av, Brooklyn, N. Y.
Pacific Elec. Mfg. Co., 827 Folsom, San Francisco, Cal.
Railway & Industrial Engineering Co., Dept H, Greensburg, Pa.
Schweitzer & Conrad, 4431 Ravenswood av, Chicago, Ill.
Snow E. W. & Co., Rochester, N. Y.
Star Fuse Co., 168 Centre, New York
Trumbull-Vanderpoel Elec. Mfg. Co., Bantam, Conn.
WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa.
See adv index at end of book

5157a—*Fuses (Enclosed Renewable)

Bussmann Mfg. Co., 3819 N 23rd, St. Louis, Mo.
ECONOMY FUSE & MFG. O., Greenview av at Diversey Parkway, Chicago, Ill.
See adv index at end of book
FEDERAL ELECTRIC COMPANY, 8702 S State, Chicago
See adv index at end of book
Monarch Renewable Fuse Co. ("Monarch"), Jamestown, N. Y.

5158—Fuses (Miscellaneous, Electric)

Ajax Electric Co., 56 Baldwin av, Jersey City, N. J.
Brady Electric Mfg. Co., New Britain, Conn.
BRYANT ELECTRIC CO. ("Pyrotite") 1421 State, Bridgeport, Conn.
Bussmann Mfg. Co. ("Buss" Auto), 2819 N 23d, St. Louis, Mo.
Central Telephone & Elec. Co. ("Gilgen"), 310 N 11th, St. Louis, Mo.
CHICAGO FUSE MFG. CO. ("Union"), Laflin & 15th, Chicago, Ill.
See adv index at end of book
Cook Electric Co., 2700 Southport, Chicago, Ill.
ECONOMY FUSE & MFG. CO. ("Clearsite," "Eco," "Economy" & "Arkless"), Greenview av at Diversey Parkway, Chicago, Ill.
See adv index at end of book
Electric Engineers Equipment Co. (High Voltage), 711 Meridian, Chicago, Ill.
Electric Sales Co., 67 E Gay, Columbus, Ohio
Faw J H., Inc. (Auto "Fawsco"), 27 Warren, New York
FEDERAL ELECTRIC COMPANY, 8702 S State, Chicago
See adv index at end of book
Freeman E. H. Electric Co., Trenton, N. J.
Hart & Hegeman Mfg. ("H. & L."), 342 Capital av, Hartford, Conn.
Hartwig Wm. J. Co., 127 E Jefferson, Detroit, Mich.
Harvard Electric Co. ("Standard," "Greer"), 525 W Van Buren, Chicago, Ill.
Johns-Pratt Co., The ("Noark"), Hartford, Conn.
Kirkman Engng. Corp. ("K. E."), 484 Broome, New York
Lafayette Electric & Mfg. Co., Lafayette, Ind.
Line Material Co. (Inside, Primary & Secondary), South Milwaukee, Wis.
McIntire C. Co., 95 Oliver, Newark, N. J.
Mesa Fernando C. Co., Dept. H, Colt & Chancellor av, Irvington, N. J.
Metropolitan Engrg Co. (Open Link), 1259 Atlantic av, B'klyn, N. Y.
Nagel-Chase Mfg. Co., 254 E Erie, Chicago, Ill.
Schweitzer & Conrad, Inc. (High Potential), 4431 Ravenswood av, Chicago, Ill.
Snow E. W. & Co., Rochester, N. Y.
Walker Elec. Co. (Open Link), 1020 W Susque, Phila, Pa.
Worcester Electric & Mfg. Co., 42 La Grange, Worcester, Mass.

5158a—Fuses (Plug Non-Renewable)

Bussman Mfg. Co. (Cartridge), 3819 N 23d, St. Louis, Mo.
CHICAGO FUSE MFG. CO. ("Gem"), Laflin & 15th. Chicago, Ill.
See adv index at end of book
ECONOMY FUSE & MFG. CO. ("Clearsite"), Greenview av at Diversey Parkway, Chicago, Ill.
See adv index at end of book
FEDERAL ELECTRIC COMPANY, 8702 S State, Chicago
See adv index at end of book
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

5158b—Fuses (Plug Renewable)

Bussman Mfg. Co., 3819H N 23rd, St. Louis, Mo.
Chicago Fuse Mfg. Co., Laflin & 15th, Chicago, Ill. *See adv index at end of book*
ECONOMY FUSE & MFG. CO., Ltd. ("Economy"), Montreal, Canada
See adv index at end of book
FEDERAL ELECTRIC COMPANY, 8702 S State, Chicago
See adv index at end of book

5158c—*Fuses (Potential, Extra High)

ECONOMY FUSE & MFG. CO. ("S. & C."), Greenview av & Diversey Parkway, Chicago, Ill.
See adv index at end of book
FEDERAL ELECTRIC COMPANY, 8702 S State, Chicago
See adv index at end of book

5159—Fuses (Refillable Cartridge)

Bryant Electric Co., 1421 State, Bridgeport, Conn.
Bussman Mfg. Co. ("Buss"), 3819H N 23rd, St. Louis, Mo.
CHICAGO FUSE MFG. CO., Laflin & 15th, Chicago, Ill.
See adv index at end of book
Daum A. F. ("Daum"), 1157 Hodgkins, Pittsburgh, Pa.
ECONOMY FUSE & MFG. CO. ("Eco," "Economy," "Arkless"), Greenview av at Diversey pkwy, Chicago, Ill.
See adv index at end of book
FEDERAL ELECTRIC COMPANY, 8702 S State, Chicago
See adv index at end of book
Johns Pratt Co. The ("Noark"), Dept. H, Hartford, Conn.
Monarch Refillable Fuse Co., Dept. H, Jamestown, N. Y.
Moss-Schury Mfg. Co., 2013 Franklin, Detroit, Mich.

5159a— Fuses (Renewable)

Armstrong, Wolfe, Zimmerman Co. (Dirs), 1st av & Market, Pittsburgh, Pa.
BRYANT ELECTRIC CO., 1421 State, Bridgeport, Conn.
Bussman Mfg. Co. (Cartridge), 3819H N 23rd, St. Louis, Mo.
CHICAGO FUSE MFG. CO., Laflin & 15th, Chicago, Ill.
See adv index at end of book

ECONOMY RENEWABLE FUSES and "Drop Out"

Renewal Links cut annual fuse maintenance costs 80 per cent.

CLEARSITE PLUG FUSES

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"ARKLESS" Non-Renewable Indicating and "ECO" Non-Renewable Non-Indicating Fuses for circuits not subject to frequent overloads.
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ECONOMY FUSE & MFG. CO. Chicago, U. S. A.
Economy Fuses are also made in Canada at Montreal
See adv. index at end of book.

Efficiency Electric Co. (Plug), E Palestine, Ohio
FEDERAL ELECTRIC COMPANY, 8702 S State, Chicago
See adv index at end of book
Johns-Manville Inc., Madison av & 41st, New York
Monarch Renewable Fuse Co. ("Monarch" Drop Out Links), Jamestown, N. Y.

5160-1—Fuses (Telephone)

Central Telephone & Electric Co., 310 N 11th, St. Louis, Mo.
Chicago Fuse Mfg. Co., Laflin & 15th, Chicago, Ill. *See adv index at end of book*
Cook Electric Co., 2700 Southport, Chicago, Ill.
FEDERAL ELECTRIC COMPANY, 8702 S State, Chicago
See adv index at end of book
Hall F. B. (Mica), Newton Falls, Ohio
Reliable Elec. Co., 3145 Carroll av, Chicago, Ill.
Western Electric Co., 463 West, New York

5162— Fustic (American)

Industrial Chemical Co., 1414 Fifth Ave. bldg, New York
See adv index at end of book

5163— Gadders

INGERSOLL-RAND CO., 11 B'way, New York *See adv index at end of book*
Sullivan Machinery Co., 122 S Michigan av, Chicago, Ill.

5164— Gaffs (Clincher)

Marble Arms & Mfg. Co. ("Marble" for Fish from ⅛ to 20 lbs.), Gladstone, Mich.

Gages

See Gauges

5165— Gaggers

Calumet Steel Co. (Deformed Steel Bars), 208 S La Salle, Chicago, Ill.
Concrete Steel Co., 42 B'way, New York
Electric Welding Co., Benedum Trees bldg, Pittsburgh, Pa.
FISHEL & MARKS CO., ft of Krokow av, Cleveland, O. *See adv index at end of book*
Franklin Core Rod & Gagger Co. ("Franklin" Twisted Steel for Foundrymen), Franklin, Pa.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Republic Structural Iron Works Co., 1350 E 53d, Cleveland, O.
Shanafelt Mfg. Co. (Twisted Steel), Dept. H, Canton, O.

5165a— *Galena (Radio)

Foote Mineral Co., 109 N 19th, Philadelphia, Pa.

5166— Gall Cure

Bickmore Gall Cure Co., Old Town, Me.

5167— Galleries (Riding)

See also Carousels, Organs, Etc

Herschell-Spillman Co., N Tonawanda, N. Y.
Parker C. W. ("Carry-US-All"), Leavenworth, Kans.

5167a— *Galvanized Material

CATTIE J. P. & BRO., Gaul & E Letterly, Philadelphia, Pa.

5167b— *Galvanized Sheets

LARKIN & CO. J. K., 253 Broadway, New York

J. K. LARKIN & CO.

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NEW YORK

5168—Galvanized Ware Mfrs.

Boyle Mfg. Co. ("Boyco"), 5100H Santa Fe av, Los Angeles, Cal.
Central Stamping Co., 206 B'way, New York
Federal Enameling & Stamping Co., Thompson & Chartiers, Pittsburgh, Pa.
Handlan-Buck Mfg. Co., 210 N 3d, St. Louis, Mo.
Lisk Mfg. Co., Canandaigua, N. Y.
McLaughlin Co., Inc., Brockfort, N. Y.
Reed Mfg. Co. ("Reed"), Newark, N. Y.

5169—Galvanizing (Cold Process)

Chain Products Co., 3924 Cooper av, Cleveland, O.
Gray Iron Foundry Co., Reading, Pa.
Hanson & Van Winkle Co., 269 Oliver, Newark, N. J.
Pittsburgh Electro Galvanizing Co., 2624 Smallman, Pittsburgh, Pa.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
Two Rivers Plating Works, Two Rivers, Wis.
United States Electro Galvanizing Co. (Plants Installed), 36 Stockton, Brooklyn, N. Y.
Wilmington Electro Plating Co., Wilmington, Del.

5170—Galvanizing (Dry Process)

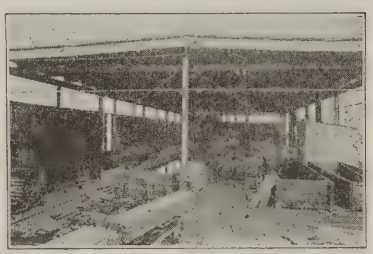
Globe Machine & Stamping Co. (Sherardizing), 1250 W 76th, Cleveland, O.

5171— Galvanizing (Electro)

California Corrugated Culvert Co., Berkeley & Los Angeles, Cal.
Cheney S. & Son, Manlius, N. Y.
Consolidated Engineering Co., Jacksonville, Fla.
Fries A. G. Plating Co., 154 Terrace, Buffalo, N. Y.
Hassall John, Inc., Clay & Oakland, Brooklyn, N. Y.
See adv index at end of book
Pacific Wire & Plating Works, 4515 6th av, S Seattle, Wash.
Rattan Mfg. Co. (Custom), New Haven, Conn.
U. S. Hame Co., Buffalo, N. Y.

5172—Galvanizing (Hot Process)

Abendroth & Root Mfg. Co. One Bath, 3 ft. 2 in. O in x 23 ft. O in.), Newburgh, N. Y. *See adv index at end of book*
Bethlehem Shipbuilding Corp. Ltd., Dept. H, Broadhead & Parker av, Bethlehem, Pa.
CATTIE J. P. & BRO., Gaul & E Letterly, Philadelphia, Pa.
Cincinnati Galvanizing Co., Chickering & Spring Grove, Cincinnati, O.
Cramp Wm. & Sons Ship & Engine Bldg. Co., Beach & Ball, Phila., Pa.
Galvanized Products Co., Phillipsburg, N. J.
Geuder Paeschke & Frey Co., 1314-1790 St. Paul, Milwaukee, Wis.
See adv index at end of book
Hanlon-Gregory Galvanizing Co., 24th & A V R R, Pittsburgh, Pa.
Kansas City Bolt & Nut Co. (1 Kettle 20 ft x 24", x 36" & 12½ ft x 30" x 36"), Sheffield Station, Kansas City, Mo.
KOVEN L. O. & BRO., INC., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Lehigh Structural Steel Co., foot of Allen, Allentown, Pa.
See adv index at end of book



LEHIGH STRUCTURAL STEEL CO.
ALLENTOWN, PA.

Commercial Galvanizing of All Kinds

We guarantee all our galvanizing to meet the test prescribed by your own specifications.

McLaughlin Co., Inc., Brockfort, N. Y.
Malleable Iron Fittings Co., Branford, Conn.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
National Galvanizing Co., 1918 Carroll av, Chicago, Ill.
National Steel Constr. Co., 425 Frontenac, Seattle, Wash.
Pittsburgh Galvanizing Co., 26th & R. R., Pittsburgh, Pa.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
Rogers Bros., Batavia, Ill.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
Standard Galvanizing Co., 2619 W Vanburen, Chicago, Ill.
Two Rivers Plating Works, Two Rivers, Wis.
Wilcox Crittenden & Co., Inc., 444 S Main, Middletown, Conn.
See adv index at end of book

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By Hot Process Only
Gray Iron Castings,
Forgings; Machined if Desired

Wilcox, Crittenden & Co., Inc.
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5173—Galvanizing Plants (Complete)

Aetna Foundry & Machine Co. (The), (Sheet), Warren, Ohio
Cutter & Wood Supply Co. (Cold Process Jobbers), 274 Friend, Boston, Mass.
Laughlin Thos. Co. 135 Fore, Portland, Me.
See adv index at end of book
Meaker Co. ("Meaker" Process), 1249 Fulton, Chicago, Ill.
Pittsburgh Electro Galvanizing Co., 3624 Smallman, Pittsburgh, Pa.
Wilfong Millard F., Iron Works Co., 52nd & Gray's av, Phila., Pa.

5174— Galvanizing Works

See also Tinning & Japanning

American Foundry & Mfg. Co., Frederick, Md.
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Angell Neil & Chaplet Co., 2657 E 79th, Cleveland, O.
Bethlehem Shipbuilding Corporation, Ltd., Bethlehem, Pa.
Bethlehem Steel Co., So Bethlehem, Pa.
Bird Wm. E., 17 Border, Boston, Mass.
Boston Galvanizing Works, 131 W 1st, Boston, Mass.
Buffalo Galvanizing & Tinning Works (Also Tinning), 49 Jackson, Buffalo, N. Y.
Buhl Stamping Co. (Also Tinning), Scotten & M. C. R. R., Detroit, Mich.
CATTIE JOSEPH P. & BROS., Gaul & Letterly, Philadelphia, Pa.
Central Stamping Co., 206 B'way, New York
Chicago Hardware Foundry Co., N Chicago Ill.
Cincinnati Galvanizing Co., Chickering & Spring Grove, Cincinnati, O.
Chain Products Co., 3924 Cooper av, Cleveland, O.
Coonley Mfg. Co., Cicero, Ill.
Cuyler & Mohler, 611 William, Baltimore, Md.
Detroit Range Boiler & Steel Barrel Co., 2475 24th, Detroit, Mich.
Devlin Thos. Mfg. Co., 3rd & Lehigh av, Phila., Pa.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Finn Jno. Metal Works, 384 2nd, San Francisco, Cal.
Florida Metal Products Co., Jacksonville, Fla.
Ford & Johnson Chair Co., 801 S Wabash, Chicago, Ill.
Fries A. G. Plating Co. (Electro Galvanizing), 154 Terrace, Buffalo, N. Y.
Galvanized Products Co., Phillipsburg, N. J.
Geuder Paeschke & Frey Co. (Hot Process), 1314-1790 St. Paul, Milwaukee, Wis. *See adv index at end of book*
Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.
Gregory Thomas Galvanizing Works, 263 N Henry, Brooklyn, N. Y.
Hanlon-Gregory Galvanizing Co., 24th & A. V. R. R., Pittsburgh, Pa.
Hassall John (Inc.), Clay & Oakland, Brooklyn, N. Y.
See adv index at end of book
Hill Jas. Mfg. Co., 52 Westfield, Providence, R. I.
Isaacson Co. Iron Works, foot King, Seattle, Wash.
Junior Galvanizing Works, 1707 E Washington, Los Angeles, Cal.
Kansas City Bolt & Nut Co., Sheffield Station, Kansas City, Mo.
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Lanz M. Bolt Co., 2307H Carson, Pittsburgh, Pa.
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Lefferts' Galvanizing Works, 508 E 20th, New York
Los Angeles Galvanizing Co., 602 Mater, Los Angeles, Cal.
McLaughlin Co., Inc., Brockfort, N. Y.
Malleable Iron Fittings Co., Branford, Conn.
Marine Hardware-Equipment Co. (To Order), South Portland, Me.
Meaker Co., 1249 Fulton, Chicago, Ill.
Milwaukee Corrugating Co., Milwaukee, Wis.
Murphy P. H. Co., East St. Louis, Ill.
National Enameling & Stamping Co., 411 5th av, New York
National Galvanizing Co. (Hot Process), 1918 Carroll av, Chicago, Ill.
National Steel Constr. Co., 425 Frontenac, Seattle, Wash.
Neptune Hardware Mfg. Co., 80 Warren, New York
New England Bolt Co., Everett, Mass.
Palmer & De Mooy Foundry Co., 1658 Leonard, N W, Cleveland, O.
Philadelphia Hdwe. & Mall. Iron Wks., 9th & Jefferson, Philadelphia, Pa.
Pittsburgh Electro Galvanizing Co., 3624 Smallman, Pittsburgh, Pa.
Pittsburgh Galvanizing Co., 26th & R. R., Pittsburgh, Pa.
Portland Bolt & Mfg. Co., 210 N 14th, Portland, Ore.
Portland Galvanizing Works, 22d & Reed, Portland, Ore.
Ritter-Conley Co. (All kinds), Oliver bldg, Pittsburgh, Pa.
Riverside Foundry & Galvanizing Co., Kalamazoo, Mich.
Rochester Stamping Co., Rochester, N. Y.
Rogers Bros. Galvanizing Works, Rockford, Ill.
St. Louis Malleable Casting Co., 7709 N B'way, St. Louis, Mo.
St. Louis Screw Co. (Hot & Cold), Clarence av E, St. Louis, Mo.
San Francisco Galvanizing Wks., 1176 Harrison, San Francisco, Cal.

Standard Galvanizing Co. (Hot Process), 2619 W Vanburen, Chicago, Ill.
Standard Plating Works, Inc., 268 First, San Francisco, Cal.
Standard Plating Works, York, Pa
Stark Adolph (Est. of), Columbia & Sigourney, Brooklyn, N. Y.
Tower Mfg. Co., Madison, Ind.
United States Electro-Galvanizing Co., 36 Stockton, Brooklyn, N. Y.
White Mountain Freezer Co. (Also Tinning), Nashua, N. H.
Wickwire Spencer Steel Corp., 41 East 42nd, New York
See adv index at end of book
Wilcox, Crittenden & Co., Inc. (& Tinning), 444 S Main, Middletown, Conn.
See adv index at end of book
Wilmington Electro Plating Co., Wilmington, Del.
WITT CORNICE CO., 2118 Winchell av, Cincinnati, Ohio
See adv index at end of book
Wrightsville Hardware Co. (Castings, etc), Wrightsville, Pa.

5175-6-7—Galvanizing & Tinning Plants (Wire Mill)

Morgan Construction Co., Worcester, Mass.
Vaughn Machinery Co., Cuyahoga Falls, O.

5178—Galvanometers & Bridges

Atlas Powder Co., Wilmington, Del.
Century Electrical Co., Syracuse, N. Y.
DU PONT E. I. DE NEMOURS & CO., INC., Explosives & Smokeless Powder Depts. ("Du Pont" Blasting Circuit Testers, see adv. at Explosives), Wilmington, Del.
See adv index at end of book
Foote, Pierson & Co. ("Delta"), 160 Duane. New York
Giant Powder Co. Cons., San Francisco. Cal.
Hercules Powder Co., Wilmington, Del.
Knott L. E. Apparatus Co. (D'arsonvol Type for Demonstration, also Individual), 79 Amherst, Cambridge, Mass.
Leeds & Northrup Co. ("Kelvin," "D'Arsonvall," Galvanometers & "Kohlrausch," "Carey-Foster," "Hoopes" Bridges), 4901 Stenton av, Phila., Pa.
Pyrolectric Instrument Co., Trenton, N. J.
Queen-Gray Co., 64-70H W Johnson, Phila., Pa.
Reliance Instrument Co., 1135 W Van Buren, Chicago, Ill.
Roller-Smith Co. ("Roller-Smith" Galvanometers), 233 Broadway, New York
Thompson-Levering Co. ("Peerless"), 325 Arch, Phila., Pa.
Weston Electrical Instrument Co. (Galvanometers only), Waverly Park, Newark, N. J.
Wilson-Maeulen Co. ("Monopivot"), 383 Concord av, New York

5179— Gambier

Androvette & Townsend (Cube & Common), 277 Water, New York
Bauer Philip Co., 53 Park pl, New York
Carleton & Moffat (Imp.), 91 Wall, New York
Cooper & Cooper, Inc., 23H Cliff, New York
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Hunnell & Co., Inc., 136 Liberty, New York
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Sergeant E. M. Co., 13 E 26th, New York
Whittemore-Wright Co. (Cube), Charlestown, Boston, Mass.
Worden Chemical Works (Imp), 4 Cedar, New York

5179a— Gambrels

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

5180— Gambrels (Hog)

Piqua Handle & Mfg. Co, P. O. Box 307, Piqua, O.
STILES H. A. & CO., 166-174 Portland, Boston, Mass
See adv index at end of book

5180a— *Games

Basic Mfg. Co., Wilmington, Del.
Bogert & Hopper Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Mah-Jongg Sales Co. of Amer., 36 Spear, San Francisco, Cal.
WATERBURY BUTTON CORP. (Wu Fang), 831 S Main, Waterbury, Conn.
See adv index at end of book

5180b— Games (Wood)

Combustion Utilities Corp., 8-10 Bridge, New York

5181-2— Gang Rippers

American Woodworking Machy Co., Rochester, N. Y.
Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Garland M. Co., Bay City, Mich.
Standard Saw Mill Machinery Co., Erie, Pa.
Union Iron Works, Bangor, Me.
United States Machine Co., Williamsport, Pa.

5183— *Ganistor Stone

Kier Fire Brick Co. (The), 2241 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book

5183a— Garages (Fireproof)

Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book

5184— Garages (Portable)

Aladdin Co., Bay City, Mich.
Anchor Corrugating Const. Co. (Steel), 145 W 41st, New York
Ashley Steel Bldg. Co., 1270 B'way, New York
BAKER EDW. J. & CO. (Steel), 608 Otis bldg. Chicago, Ill.
Baltimore Cooperage Co. (Wooden), Ostend & Leadenhall, Baltimore, Md.
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Bossert Louis & Sons, Inc., 1335 Grand, Brooklyn, N. Y.
Brooks-Skinner Co. (Wood & Steel), 10 Bridge, North Weymouth, Mass.
Butler Mfg. Co. (Steel), 1228 Eastern, Kansas City, Mo.
Candler Geo. V. Co. (Steel), 724 Suyburn, Detroit, Mich.
Case Mfg. Co. (Metal), Jackson, Mich.
Columbian Steel Tank Co., New England bldg, Kansas City, Mo.
DARBY EDWARD SONS CO. (Printers), 1918 Germantown, av, Phila., Pa.
Davis-Watson Mfg. Co. (Steel), 9 Foundry, Nashua, N. H.
Dixie Culvert & Metal Co., Atlanta, Ga.
Dowman-Dozier Mfg. Co. ("Belt-Rite"), Atlanta, Ga.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
Garage Construction Co. of Pittsburgh (Metal), Oliver av & Grant, Pittsburgh, Pa.
Harris Bros. Co. ("Presto-Up" Metal), 35th & Iron, Chicago, Ill.
Harry Brothers Co. (Sectional Galvanized), Carrollton & I. C. R. R., New Orleans, La.
Harry O. K. Steel Co., 2333 Papin, St. Louis, Mo.
Hodgson Ernest F. Co. (Wood), 71 Federal, Boston, Mass.
Holzer R. S. (Est of) (All Metal, Also Permanent Metal Buildings), New Orleans, La.
Hydraulic Steelcraft Co., 3151 E. 61st, Cleveland, Ohio
International Steel & Iron Co., 1243 Edgar, Evansville, Ind.
Karr Portable House Co., 2554 W Irving Pk. blvd, Chicago, Ill.
Lewis Mfg. Co. (Wood), Bay City, Mich.
Manchester Mfg. Co. (Wood), 1210 S Vanderventer av, St. Louis, Mo.
Martin Steel Products Co. ("Jiffy Bilt Steel"), Mansfield, O.
MARYLAND METAL BUILDING CO., McComas & Race, Baltimore, Md.
See adv index at end of book
Metal Shelter Co., S Wabasha, St. Paul, Minn.
Miller Mfg. Co., 8600H Alabama av, St. Louis, Mo.
Milwaukee Corrugating Co. ("Porto" Metal), Milwaukee, Wis.
Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, O.
See adv index at end of book
Moore Mfg. Co. (Metal), Waterloo, Ia.
North Dakota Metal Culvert Co., Fargo N. D.
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Pacific Ready Cut Homes, Inc., 1330 S Hill, Los Angeles, Cal.
Pacific Steel Building Co., 2422 E 52nd, Los Angeles, Cal.
Pinyoun F. C. & Son, 2526 Carnegie av, Cleveland, O.
Priggen Geo. H. Co. (Metal), 375 B'way, Boston, Mass.
Pruden C. D. Co. ("Prudential" Steel), Dock & Warner, Baltimore, Md.
Redimade Building Co. ("Redimade"), 2610 Santa Fe av, Los Angeles, Cal.
Routt Lumber Co. (Wood), 2011 Tyler, Fresno, Cal.
St. Paul Roofing Cornice & Ornament Co., St. Paul, Minn.
Skinner Thomas Co., 127 Main S. P., Portland, Me.
Standard Sheet Metal Mfg. Co., Washington, Pa.
Swartwont Co., 18515 Euclid av, Cleveland, Ohio
Thayer Portable House Co. (Wood), Keene, N. H.
Togan Stiles, Grand Rapids, Mich.
Truscon Steel Co., Youngstown, Ohio
VAILE & YOUNG, Bush & Ridgley, Baltimore, Md.
See adv index at end of book
Western Steel Products Co., New Duluth, Minn.
Whittredge Portable Buildings Co., 964 Broad, Lynn, Mass.

5185—Garbage Burners (Water Heating)

Andrews Heating Co., Minneapolis, Minn.
Brand Chas. F., 16th & Jacob, Wheeling, W. Va.
Brennan Jno. & Co., Dept. H, 24th & M. C. R. R., Detroit, Mich.
Destructor Co., 111 B'way, New York
Garrett W. D. & Co., 118 E 28th, New York
Herbert Boiler Co., 140 Root, Chicago, Ill.
ILLINOIS MALLEABLE IRON CO., 1801 Diversey blvd, Chicago, Ill.
See adv index at end of book
Kewanee Boiler Co. ("Kewanee"), Kewanee, Ill.
Pittsburgh-Des Moines Steel Co., 804 Curry bldg., Pittsburgh, Pa.
See adv index at end of book

5186—Garbage Disposal Plants

See also Sewage Disposal Plants; also Burners—Refuse
Ansonia Sanitary Mfg. Co., 71 8th av, New York
BARTLETT & SNOW CO. C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
Buffalo Co-operative Stove Co. ("Isolator"), Amherst & Tonawanda, Buffalo, N. Y.
Buffalo Engine Co. (Machinery for), 1 Randolph, Buffalo, N. Y.
Chicago Incinerator Co., 320 E No. Water, Chicago, Ill.
Cummer F. D. & Son Co., H Hanna bldg, Cleveland, Ohio
Decari Incinerator Co., McKnight bldg. Minneapolis, Minn.
Guardian Gas Appliance Co. ("Economy"). 1364 E 47th, Cleveland, O.
Jarvis Engineering Co., 51 Ellery, Boston, Mass.
Kerner Incinerator Co. ("Kernerator" Incinerator for Residences), 1019 Chestnut, Milwaukee, Wis.
KUTZTOWN FOUNDRY & MACHINE CO., 1421 Chestnut, Phila., Pa.
See adv index at end of book
McInnes Chas. E. & Co., Mariner & Merchants' bldg, Phila., Pa.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Morse-Boulger Destructor Co., 39 Cortlandt, New York
Odorless Construction Co., 130 Park av, New York
Penna. Construction Co., Marietta, Pa.
Pittsburgh-Des Moines Steel Co., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Pittsburgh Incinerator Mfg. Co., 231 First av, Pittsburgh, Pa.
Prescott J. B. & Son ("Pyrofuse"), Webster, Mass.
Stearns E. C. Co. ("Incinerite" Portable & Wall), 450 Oneida, Syracuse, N. Y.

Gas Acetylene

See Acetylene

5187—Gas Analysis Apparatus

American Meter Co., 17th & Clearfield, Philadelphia, Pa.
Bachrach Industrial Instrument Co., H, Murtland & Bennett, Pittsburgh, Pa.
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Elmer & Amend ("Orsat," "Hempel," "Pettersen" & "Palmquist"), 205 3d av, New York
ELECTROLABS CO., 2635 Penn av, Pittsburgh, Pa. *See adv index at end of book*
Greiner Emil Co. ("Orsat," "Hempel's"). 55 Fulton, New York
Griffin John J. & Co., 1513 Race, Phila., Pa.
Hays Jos. W. Corp, ("Hays"), Michigan City, Ind.
Huyette Paul B. Co. (Flue), 5H S 18th, Phila., Pa.
Pierce Wm. B. Co., 40 N Division, Buffalo, N. Y.
Sargent E. H. & Co. ("Morehead's Gas-Burette & "Wm. Brady's" Gas Filter), 166 E Superior, Chicago, Ill.
Scientific Materials Co., 717 Forbes, Pittsburgh, Pa.
Uehling Instrument Co. ("Uehling"), 71 B'way, New York
VULCAN FUEL ECONOMY CO., 828 Transportation bldg, Chicago, Ill.

5188—Gas Apparatus for Fuel & Illuminating Gas

Anthony Co. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.
Braun-Knecht-Heimann Co. (Referee), 576-584 Mission, San Francisco, Cal.
Combustion Utilities Corp., 8-10 Bridge, New York
Gas Engineering Co., Trenton, N. J.
Huyette Paul B. Co. (Flue Gas Collector), 5H S 18th, Phila., Pa.

(Continued on following page)

Gas Apparatus for Fuel & Illuminating Gas—Continued

Surface Combustion Co. The, 334 Gerard av, Bronx, New York
See adv index at end of book
Wagner Bros. Co., 763 N Water, Milwaukee, Wis.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Wyckoff A. & Son Co. (Wood), Elmira, N. Y.

5189— Gas Bags (Rubber)

Cigol-Behrens Rubber Co., Lodi, N. J.
Davidson Rubber Co., Boston, Mass.
Davol Rubber Co., 69 Point, Providence, R. I.
Goodrich B. F. Rubber Co., Akron, O.
Miller Rubber Co., Akron, O.
Parker-Stearns & Co. ("Alpha" Gas, Ice, etc,, 286 Sheffield av, Brooklyn, N. Y.
Seamless Rubber Co., Hallock av, New Haven, Conn.
Tyer Rubber Co. (Ice, Gas, Syringe, Water, etc), Andover, Mass.
U. S. Rubber Co., 1790 Broadway, New York
See adv index at end of book
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.

5189a— Gas (Butane)

CARBIDE & CARBON CHEMICALS CORP., 30 E 42d, New York
See adv index at end of book

Gas Burners

See Burners, Acetylene Gas

5190— Gas (Carbonic Acid)

Bronx Carbonate Co., 934 E 165th, New York
Chicago Carbonic Gas Co., 904 W Superior, Chicago, Ill.
Clarke Chemical Co., Wickliffe, O.
General Carbonic Co., Bridge, Albany, N. Y.
Liquid Carbonic Co. ("Red Diamond"), 3100 S Kedzie av, Chicago, Ill.
Los Angeles Carbonic Co., 514 Molino, Los Angeles, Cal.
Mason By-Products Co., 2 Pine, San Francisco, Cal.
Nebraska & Iowa Carbonic Acid Gas Co., Omaha, Neb.
N. Y. Carbonate Co., 1401 Park av, New York
Ohio Chemical & Mfg. Co., 1177 Marquette, Cleveland, O.
Pacific Carbonic Gas Co., ft 6th av, Oakland, Cal.
Pure Carbonic Co., 2008 S Canal, Chicago, Ill.
Schneible C. A., Esq., 132 E 121st, New York
U. S. Industrial Alcohol Co., 110 E 42nd, New York
Western Carbonic Gas Co., Agnew, Cal.

5191— Gas Composimeters

Uehling Instrument Co. ("Uehling"), 71 B'way, New York

5191a— Gas (Cooking)

CARBIDE & CARBON CHEMICALS CORP. (Pyrofax), 30 E 42d, New York
See adv index at end of book

5191b— Gas (Cutting)

CARBIDE & CARBON CHEMICALS CORP. (Pyrogen), 30 E 42d, New York
See adv index at end of book

5191c—Gas Cylinders (Seamless)

Cleveland Crane & Engineering (for Compressed Gases), Dept H, Wickliffe, O.
PRESSED STEEL TANK CO. (Steel for Acetylene, etc), 58th & Greenfield av, West Allis, Milwaukee, Wis.
See adv index at end of book
WHARTON, WM. JR., CO., INC., Easton, Pa.

5191d— Gas (Ethylene)

CARBIDE & CARBON CHEMICALS CORP., 30 E 42d, New York
See adv index at end of book

Gas Fixtures

See Electric & Gas Light Fixture Manufacturers

5192—Gas Fixtures (Acetylene)

Davis Acetylene Co., Elkhart, Ind.

5193—Gas Fixtures (Wrought Iron)

Bradley & Hubbard Mfg. Co., Meriden, Conn.

5194— *Gas Flow Meters

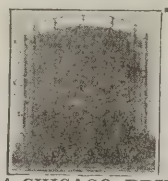
GENERAL ELECTRIC CO., Schenectady,
See adv index at end of book

5195— Gas (Helium)

LINDE AIR PRODUCTS CO., THE, 30 E 42d, New York
See adv index at end of book

5196— Gas Holders

Baker Iron Works, 950 N B'way, Los Angeles, Cal.
Bartlett-Hayward Co., Scott & McHenry, Baltimore, Md.
Bay City Iron Works, 1215 Harrison, San Francisco, Cal.
Camden Iron Wks., Camden, N. J.
CHICAGO BRIDGE & IRON WORKS (We build the well known Horton holder in all of our 3 plants), 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book



HORTON HOLDERS
Give Capacity and Location when asking quotations.

CHICAGO BRIDGE & IRON WORKS
Chicago, 2105 Old Colony Bldg.; New York, 3136 Hudson Terminal Bldg.; Dallas, 1600 Praetorian Bldg.; Atlanta, 1010 Healey Bldg.; San Francisco, 1030 Rialto Bldg.
HORTON STEEL WORKS, LIMITED
Toronto, Ont., 1408 Federal Bldg.; Montreal, Que., 1020 Bank of Toronto Bldg.; Bridgeburg, Ont., 118 Janet St.; Winnipeg, Man., 1209 Galt Bldg.

Columbiana Boiler Co., Columbiana, O.
Cox & Sons Co., 5th & Chestnut, Phila., Pa.
Cruse-Kemper Co., Ambler, Pa.
Davis & Farnum Mfg. Co., Waltham, Mass.
Dillon D. M. Steam Boiler Works, Fitchburg, Mass.
Dover Boiler Works. Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Electrolabs Co., 2635 Penn av, Pittsburgh, Pa. *See adv index at end of book*
Gas Engineering Co., Trenton, N. J.
Hamler Boiler & Tank Co., Dept. H, W 66th & S 60th av, Chicago, Ill.
Heilman Boiler Works, Allentown, Pa.
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
PETROLEUM IRON WORKS CO. OF OHIO, Sharon, Pa.
Pittsburgh-Des Moines Steel Co., 804 Curry bldg., Pittsburgh, Pa.
See adv index at end of book
Riter-Conley Co., Oliver bldg, Pittsburgh, Pa.
Stacey Bros. Gas Construction Co., 5535 Carthage Pike, Cincinnati, O.
Tippett & Wood, Phillipsburg, N. J.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.

5197— Gas (Neon)

LINDE AIR PRODUCTS CO., THE, 30 E 42d, New York
See adv index at end of book

Gas (Oxygen)

See Oxygen

Gas Plants Installed

See Gas Works Apparatus & Construction

Gas Portables.

See Electric & Gas Light Portables

5198— Gas Producers

Akerlund & Semmes, Inc., 30 E 42d, New York
Amsler-Morton Co. ("Amsler" Power or Hand Operated), Fulton bldg, Pittsburgh, Pa.
Backus Water Motor Co. (Suction), 172 Penna. av, Newark, N. J.
Camden Iron Wks., Camden, N. J.
Chapman Engineering Co. ("Chapman" Rotary), Mt. Vernon, O.
Clarion Gas Co., Oil City, Pa.
Coatesville Boiler Wks, 111 S 15th, Philadelphia, Pa.
Columbiana Boiler Co., Columbiana, O.
Cox & Sons Co., 5th & Chestnut, Phila., Pa.
Dixon H. L. Co., Rosslyn rd, Carnegie, Pa
Downingtown Iron Works, East Downingtown, Pa.
Duff Patents Co. ("Duff" & "Bradley" Patents), Frick bldg, Pittsburgh, Pa.
Flinn & Dreffein Co. (Producer gas plants for fuel and power), 431 S Dearborn, Chicago, Ill.
Foos Gas Engine Co., 800 Monroe, Springfield, O.
Gas Engineering Co., Trenton, N. J.
Gas Machinery Co. (Bituminous & Non-Bituminous Coal), 1900 Euclid av, Cleveland, O.
Holcroft & Co., Book bldg, Detroit, Mich.
Hettinger Engine Co., Bridgeton, N. J.
International Clay Machy. Co., Dayton, O.
Kemp C. M. Mfg. Co. ("Twentieth Century," "Climax," "Kemp System," Naphtha Gas Producer for Fuel), 405 E Oliver, Baltimore, Md.
Koppers Co. ("Koppers"), 800 Union Trust bldg, Pittsburgh, Pa.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
Marshall Foundry Co., 28th & R. R., Pittsburgh, Pa.
Milwaukee Reliance Boiler Works, 1102 32nd, Milwaukee, Wis.
Morgan Construction Co. ("Morgan" Producers' Gas Machine), Worcester, Mass.
Munroe R & Sons Mfg. Corp (Producers Gas Pipe), 23d & Smallman, Pittsburgh, Pa.
Pennsylvania Gas Co., Oil City, Pa
Petroleum Iron Works Co., of Ohio, Sharon, Pa.
See adv index at end of book
SMITH GAS ENGINEERING CO. ("Smith"), Dayton, Ohio
See adv index at end of book
Southern California Gas Co., 950 S B'way, Los Angeles, Cal.
Steere Engineering Co., General Motors bldg, Detroit, Mich.
Swindell Wm. & Bros. ("Swindell" for Steel & Iron Works), Jenkins Arcade bldg, Pittsburgh, Pa.
Syracuse Industrial Gas Co. (For Anthracite Coal, Complete Plants for Lighting & Pumping, also for Annealing, Tempering, etc), Syracuse, N Y
Toledo Metal-Manufactures Co. (The), 983-1015 Front, Toledo, Ohio
See adv index at end of book
Wellman-Seaver-Morgan Co. ("Hughes" Mechanical Poked), E 70th & Central av, Cleveland, O.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.
WOOD R. D. & CO. (Automatic), 400 Chestnut, Philadelphia, Pa.

5199—Gas Producers (Water Seal)

Amsler-Morton Co., Fulton bldg, Pittsburgh, Pa.
Chapman Engineering Co., Mt. Vernon, O.
Duff Patent Co., Frick bldg, Pittsburgh, Pa.
Flinn & Dreffein Co., 431 S Dearborn, Chicago, Ill.
International Clay Machy Co. Dayton O
Laughlin Alex. & Co Pittsburgh Pa
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
Swindell Wm. & Bros., Jenkins Arcade bldg, Pittsburgh Pa
Wellman-Seaver-Morgan Co. ("Hughes" Mechanical Poked), E 70th & Central av, Cleveland, O.

5199a— Gas (Propane)

CARBIDE & CARBON CHEMICALS CORP., 30 E 42d, New York
See adv index at end of book

5200—Gas Washer, Boiler & Burner (Combined)

Weimer Machine Works Co., Lebanon, Pa.

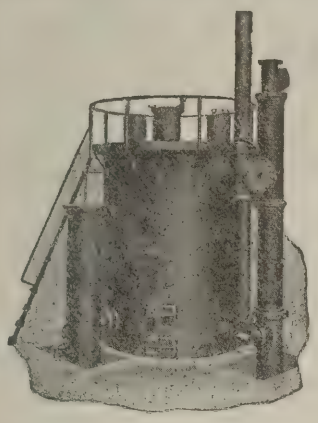
5201—Gas Works Apparatus & Construction

See also Benches, Gas Retort; also Retorts, Gas

American Gas Construction Co., Newtown, Iowa
Bartlett Hayward Co. (Coal & Water Gas), Scott & McHenry, Baltimore, Md.
Coleman Lamp Co. (Cooking & Lighting Plants), Dept. H, Wichita, Kans.
Gas Engineering Co., Trenton, N. J.
Gas Machy Co. ("Gasmaco"), 1900 Euclid av, Cleveland, O
Improved Equipment Co., 60 Wall New York
Isbell-Porter Co., 46 Bridge, Newark, N. J.
Quintard Iron Works Co., 40 Wall, New York
Stacey Bros. Gas Construction Co., Sta. P, Cincinnati, O.
Stacey Mfg. Co., 5535 Carthage Pike, Cincinnati, O.
Steere Engineering Co., General Motors bldg, Detroit, Mich.
United Gas Improvement Co., Broad & Arch, Phila., Pa.
Western Gas Construction Co., 1431 Buchanan, Fort Wayne, Ind.

Gas & Electric Light Fixture Mfrs.

See Electric & Gas Light Fixture Mfrs.



Clean Gas Producers

Hand and mechanically operated. Sizes range from 25 H.P. to 4000 H.P. Units

Tar free gas as a fuel for *Industrial Furnaces, Ovens* and *Gas Engines.*

An inquiry for information pertinent to your case should clearly state the nature of your fuel problem. What gas making fuels are available, the amount and kind of fuel or power now being used or to be required and the number of hours per day gas service will be used.

The Smith Gas Engineering Co., Dayton, O.

DISTRICT REPRESENTATIVES

The Vincent Gilsen Engineering Co., Inc.
30 Church Street, New York
Castle & Wilson, 1601 Arrott Building
Pittsburgh, Pa.

Himelblau Agazin & Co.
30 N. Dearborn Street, Chicago, Ill.
A. H. Savage, Pioneer Building
St. Paul, Minn.

Canadian Allis-Chalmers, Ltd.
Toronto, Ont., Canada

5202-3—Gas & Water Works Supplies.

See also Cast Iron Pipe Manufacturers, Gas & Water; also Valves, Gate for Water Mains

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Barnes Mfg. Co., Mansfield, O.
Behringer Edward A., 98 Park pl, New York
Clow Jas. B. & Sons, Franklin & Harrison, Chicago, Ill.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
COLUMBUS SUCKER ROD CO., THE (Water Only), Columbus, O.
Cornell & Underhill, Greenwich & Spring, New York
Crane Co., 836 S. Michigan av, Chicago, Ill. *See adv index at end of book*
Fitts Frank E. Mfg. Co. & Supply Co., 88 Purchase, Boston, Mass.
Fox Jno. & Co., 233 B'way, New York
Gilchrist Geo. E. Co., 234 Congress, Boston, Mass.
Kelly & Jones Co., Greensburg, Pa. *See adv index at end of book*
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Miller Chas. & Son Co., Utica, N. Y.
Mosher Mfg. Co., Dallas, Tex.
Mueller H. Mfg. Co., Decatur, Ill. *See adv index at end of book*
National Supply Co., Union Bank bldg, Pittsburgh, Pa.
National Tube Co., Frick bldg, Pittsburgh, Pa.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Rickersberg Brass Co. (Water Works Only), Perkins & E 37th, Cleveland, O.
Roots P. H. & F. M. Co., Connersville, Ind.
Simmons John Co., 110 Centre, New York *See adv index at end of book*
Tay George H. Co., 599 Mission, San Francisco, Cal.
Walworth Mfg. Co., Boston, Mass.

Gaskets (Aluminum)

See Gaskets, Metallic.

5204— Gaskets (Asbestos)

See also Gaskets, Corrugated Copper and Asbestos

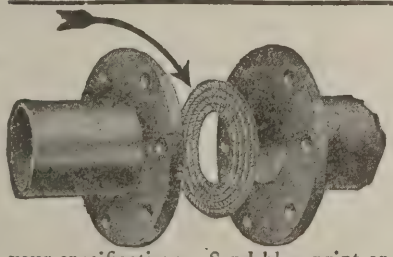
For All Other Non-Metallic Gaskets, See Gaskets, Gum, Fibrous, etc.; also Fibre Manufacturers, Hard; also Packing Manufacturers; also Packing, Metallic

AKRON METALLIC GASKET CO., 142 N. Union, Akron, O. *See adv index at end of book*
American Asbestos Co. (Metallic), Norristown, Pa.
American Insulation Co., Nicetown, Phila., Pa. *See adv index at end of book*
Am. Steam Packing Co. ("American"), 516 Atlantic av, Boston, Mass.
American Washer Wks., 91 Wallabout, Brooklyn, N. Y.
Anchor Packing Co. ("Ankorite"), 1531 Market, Philadelphia, Pa.
Argus Asbestos Co., Inc., Port Chester, N. Y.
Armstrong Cork & Insulation Co., 24th & A. V. R. R., Pittsburgh, Pa.
Asbestos Fibre Spinning Co. (All Kinds), North Wales, Pa.
Asbestos Materials Corp., Millington, N. J.
Asbestos Textile Co., 18 E. 42nd, New York
Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass. *See adv index at end of book*
BARWOOD L. J. MFG. CO. ("Barwood"), Stoneham 80, Boston, Mass. *See adv index at end of book*
Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass. *See adv index at end of book*
Cincinnati Rubber Mfg. Co., Norwood, Cincinnati, Ohio
Cleveland Gasket & Mfg. Co., 1616 W 116th, Cleveland, O.
Crandall Packing Co., Palmyra, N. Y.
Darcoid Company, 1780 B'way, New York *See adv index at end of book*
Flexitallic Gasket Co. ("Flexitallic"), 8th & Bailey, Camden, N. J.
GASKET SUPPLY CO. ("Right" Asbestos Metallic Mill Board & Compressed Sheet, also Boiler), 1927 Ludlow, Philadelphia, Pa. *See adv index at end of book*
Gem Stopper Co. ("Gesco"), 2120 Nicholas, Phila., Pa.
General Asbestos & Rubber Co. ("Garco," "Delta," "Semi-bronze," "Calisbestos"), Charleston, S. C.
Gillen-Cole Co., 60 N Front, Portland, Ore.
Goetze Gasket & Packing Co. ("Goetzerit"), 3 Allen av, New Brunswick, N. J. *See adv index at end of book*
Gould Packing Co. ("Hi-Tite"), Cambridge, Mass.
Hollow Center Packing Co., 1968 E 66th, Cleveland, Ohio
Horton F. L. Corp. ("Elektra"), 36 Whittier, Roxbury, Boston, Mass.
Janos Asbestos Co., 26 Cortlandt, New York
Jenkins Bros., 80 White, New York *See adv index at end of book*
Johns Manville, Inc. (Also Rubber), Madison av & 41st, New York
Johns-Pratt Co., The ("Vulcabeston Rope" & "Vulcabeston Red Fibre" Asbestos Moulded), Hartford, Conn.
Keasbey & Mattison Co., Ambler, Pa.
KEYSTONE GASKET MFG. CO., 829 N 4th, Philadelphia, Pa. *See adv index at end of book*
McCord Radiator Mfg. Co. ("McKim" & "McCord," for Automotive & Steam), 2587 E Grand blvd
Metallo Gasket Co. ("Metallo"), New Brunswick, N. J.
Metric Packing Co., Inc., 244 Kensington av, Buffalo, N. Y. *See adv index at end of book*
MIKESELL BROS. CO., Wabash, Ind. *See adv index at end of book*
New Jersey Asbestos Co., 1 Water, New York
New York Belting & Packing Co., 91 Chambers, New York
Pacific States Mfg. Co., Inc., 60 Natoma, San Francisco, Cal.
Phoenisc Spec. Mfg. Co., 48 Duane, New York
Smith E. M. Co. ("Emsco"), 612-40 S Clarence, Los Angeles, Cal.
Smyth Rubber & Packing Co., 512 Mercer, Jersey City, N. J. *See adv index at end of book*
Standard Asbestos Co., 69 Beekman, New York
STRONG MACHINERY & SUPPLY CO. ("Tisafine," "Jumbo"), 292-294 Church, New York *See adv index at end of book*

(Continued on following page)

AKRON GASKETS

Corrugated Metal Gaskets, Copper Asbestos Ribbed Gaskets, Copper Asbestos Filled Gaskets, Rubber Gaskets, Asbestos Gaskets



Corrugated Gaskets made of Copper, Monel Metal, Steel, Lead, Brass, Tin, Akro Metal, Aluminum, Bronze, etc.

Gaskets cut from Akronite Sheet Packing, Rubber, Asbestos, Paper, Fibre, or any metal any size or shape, ¼ inch to 10 feet.

AKRON GASKETS ARE MADE IN 12 DIFFERENT TYPES FOR FLANGES

Akron Soft Steel Asbestos Gaskets for Boiler Tube Hand Holes

AKRON COPPER SHELL ASBESTOS Filled Gaskets for Cylinder Heads of Gas, Gasoline and Oil Engines. Made in all sizes to your specifications. Send blue print or sketch for quotations.



Akron Gaskets Are Built to Stand Hard Continuous Service
We Ship Quick and Appreciate Your Business

Akron Gaskets
Best materials
Best results

AKRON METALLIC GASKET CO.

142 N. UNION ST. SEND FOR CATALOGUE H22 AKRON, O., U. S. A.

Twenty years of Gasket Making Experience

Corrugated Copper Gaskets

With Asbestos Lining



Also Gaskets of Steel, Brass, Monel, Bronze, Etc.

METAL STAMPINGS

AMES ALLOY HIGH PRESSURE SHEET PACKING

U. S. Indestructible Gasket Co. 831 East 15th St. **Brooklyn, N. Y.**

Gaskets (Asbestos)—Continued

U. S. Asbestos Co. ("Asbestolith"), 45 N Duke, Lancaster, Pa.
U. S. Rubber Co. (Rubber), 1790 B'way, New York *See adv index at end of book*
Victor Mfg. & Gasket Co., 5750 W Roosevelt rd, Chicago, Ill.
Watson H. F. Co. (Asbestos & Rubber Cloth, Metallic), Erie, Pa.
Wearwell Gasket & Packing Co., 32H N Third, Camden, N. J.
Western Packing & Supply Co., 231 N Wells, Chicago, Ill.
Wilcox E. A. Mfg. Co. (Boiler), 6330 Stony Island av, Chicago, Ill.
Wilder Mfg. Co., 17th & Clinton, St. Louis, Mo.
Wing J. T. & Co., 19 Woodward av, Detroit, Mich.

5204a— Gaskets (Asbestos, Copper Combination)

AKRON METALLIC GASKET CO. (for Cylinder Heads), 142 N. Union, Akron, O. *See adv index at end of book*
Asbestos Materials Corp., Millington, N. J.
BRAWLEY, T. R. (Plumbers, Automobile), 270 20th, Brooklyn, N. Y. *See adv index at end of book*
Gasket Supply Co., 1927 Ludlow, Philadelphia, Pa. *See adv index at end of book*
GOETZE GASKET & PACKING CO., 3 Allen av, New Brunswick, N. J. *See adv index at end of book*
KEYSTONE GASKET MFG. CO., 829 N 4th, Philadelphia, Pa. *See adv index at end of book*
U. S. Asbestos Co., 45H N Duke, Lancaster, Pa.
Victor Mfg. & Gasket Co., 5750 Roosevelt rd, Chicago, Ill.
Wilcox E. A. Mfg. Co., 6330 Stony Island av, Chicago, Ill.

Gaskets (Asbestos Metallic)

See Gaskets, Metallic, With the Words Asbestos-Metallic Following Names

5204b—Gaskets (Automobile)

Asbestos Materials Corp., Millington, N. J.
Barwood L. J. Mfg. Co. ("Barwood"), Stoneham 80, Boston, Mass. *See adv index at end of book*

WASHERS — BARWOOD — GASKETS

ESTABLISHED 1900

"BARWOOD" GASKETS

Cork, Paper, Asbestos, Felt, Leather, Lead, Cardboard

FOR ALL AUTOMOTIVE WORK

Send B/P or specifications, naming quantities, and receive our attractive prices by return mail.

L. J. BARWOOD MFG. CO.

Stoneham 80, BOSTON, MASS.

Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass. *See adv index at end of book*

V. H. Barwood Mfg. Co.

Manufacturers of

Leather, Felt, Cork, Asbestos — BARCO — Cardboard, Fibre, Paper, Celluloid

WASHERS GASKETS PACKINGS

117 Munroe Street, Lynn, Mass.

Brawley T. R. (Felt), 270 20th, Brooklyn N. Y. *See adv index at end of book*
Chicago Rawhide Mfg. Co. (The), (Leather), 1307 Elston av, Chicago, Ill. *See adv index at end of book*
Detroit Leather Works, 683 Lafayette av E, Detroit, Mich.
Gasket Supply Co., 1927 Ludlow, Philadelphia, Pa. *See adv index at end of book*
General Asbestos & Rubber Co., Charleston, S. C.
KEYSTONE GASKET MFG. CO., 829 N 4th, Philadelphia, Pa. *See adv index at end of book*
Phoenix Spec. Mfg. Co., Inc., 48 Duane, New York
Simmers, G. P. & M. C., 120 S Main, Pomona, Cal.
Victor Mfg. & Gasket Co., 5750 W Roosevelt rd, Chicago, Ill.

5204b-1— Gaskets (Cork)

Armstrong Cork & Insulation Co., 24th & A. V. R. R., Pittsburgh, Pa.
Barwood L. J. Mfg. Co. ("Barwood"), Stoneham 80, Boston, Mass. *See adv index at end of book*
Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass. *See adv index at end of book*
Gasket Supply Co., 1927 Ludlow, Philadelphia, Pa. *See adv index at end of book*
Illinois Pacific Glass Co., 15th & Folsom, San Francisco, Cal.
Keystone Gasket Mfg. Co., 829 N 4th Phila., Pa. *See adv index at end of book*
Pacific States Mfg. Co., Inc., 602 Mission San Francisco, Cal.
Phoenix Spec. Mfg. Co., Inc., 48 Duane, New York
Western Cork Mfg. Co., 2463 Whittier blvd, Los Angeles, Cal.

Gaskets (Copper)

See Gaskets, Metallic

Gaskets (Corrugated Copper)

See Gaskets, Metallic

5204c—Gaskets (Corrugated Copper & Asbestos)

See also Gaskets (Asbestos)

Akron Metallic Gasket Co., 142 N Union Akron, O. *See adv index at end of book*
Gasket Supply Co., 1927 Ludlow, Phila., Pa. *See adv index at end of book*
GOETZE GASKET & PACKING CO., 3 Allen av, New Brunswick, N. J. *See adv index at end of book*
Keystone Gasket Mfg. Co. ("Keystone Excellent"), 829 N 4th, Phila., Pa. *See adv index at end of book*
McCord Radiator Mfg. Co. ("McKim" & "McCord" for Automotive & Steam), 2587 E Grand blvd, Detroit, Mich.
Phoenix Spec. Mfg. Co., Inc., 48 Duane, New York
U. S. INDESTRUCTIBLE GASKET CO., 831 E 15th, Brooklyn, N. Y. *See adv index at end of book*

5204d—*Gaskets (Corrugated & Plain)

See also Gaskets, Metallic

Akron Metallic Gasket Co., 142 N Union, Akron, O. *See adv index at end of book*
Gasket Supply Co., 1927 Ludlow, Philadelphia, Pa. *See adv index at end of book*
GOETZE GASKET & PACKING CO., 3 Allen av, New Brunswick, N. J. *See adv index at end of book*
Keystone Gasket Mfg. Co., 829 N 4, Philadelphia, Pa. *See adv index at end of book*

5204e— Gaskets (Felt)

Advance Felt & Cutting Co. ("Advance"), 320H S Jefferson, Chicago, Ill.
Akron Metallic Gasket Co., 142 N Union, Akron, Ohio *See adv index at end of book*
Barwood L. J. Mfg. Co. ("Barwood"), Stoneham 80, Boston, Mass. *See adv index at end of book*
Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
Booth Felt Co., Inc., 473 19, Brooklyn, N. Y.
BRAWLEY T. R. (Plumbers, Automobile), 275 20th, Brooklyn, N. Y. *See adv index at end of book*
CONTINENTAL FELT CO. (Plumbers', Automobile), 64-66 E 11th, New York *See adv index at end of book*
Felt Products Mfg. Co., 1507 Carroll av, Chicago, Ill.
Felters Co., 103 Bedford, Boston, Mass. *See adv index at end of book*
Gasket Supply Co., 1927 Ludlow, Philadelphia, Pa.
Keystone Gasket Mfg. Co., 829 N 4th, Phila., Pa. *See adv index at end of book*
Monarch Felt Works (Plumbers', Automobile), 39-45H York, Brooklyn, N. Y.
Pacific Felt Cutting & Sewing Co. ("Pafesco" for Fords), 26 Clementina, San Francisco, Cal.
Pacific States Mfg. Co., Inc., 60 Natoma, San Francisco, Cal.
Phoenix Spec. Mfg. Co., Inc., 48 Duane, New York
Star Felt Cutting Co. (Felt), 260 69th, Brooklyn, N. Y.
Western Felt Works, 4115 Ogden av, Chicago, Ill.

5205—Gaskets (Flexible Fibre)

AKRON METALLIC GASKET CO., 142 N. Union, Akron, O. *See adv index at end of book*
American Washer Wks., 426 & 428 Smith, Brooklyn, N. Y.
BARWOOD, L. J. MFG CO. ("Barwood"), 80 Stoneham, Boston, Mass. *See adv index at end of book*
Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass. *See adv index at end of book*
Burgin & Co. ("Likehyde"), 487 B'way, New York
DARCOID COMPANY ("Darcoid"), 1780 B'way, New York *See adv index at end of book*
Delaware Hard Fibre Co. (Oil Proof), Wilmington, Del. *See adv index at end of book*
Fibre Finishing Co. ("Vellumoid"), Tremont bldg, Boston, Mass.
Gasket Supply Co. ("Right" Vello for Oil, Water, Grease & Automobile Use), 1927 Ludlow, Phila., Pa. *See adv index at end of book*
Goetze Gasket & Packing Co., 3 Allen av, New Brunswick, N. J. *See adv index at end of book*
Iten Fibre Co. (for Oil Barrels, etc.), 2358 E 67th, Cleveland, Ohio *See adv index at end of book*
Keystone Gasket Mfg. Co., 829 N 4th, Phila., Pa. *See adv index at end of book*
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del. *See adv index at end of book*
Pacific Felt Cutting & Sewing Co. ("Pafesco"), 26H Clementina, San Francisco, Cal.
Pacific States Mfg. Co., Inc., 60 Natoma, San Francisco, Cal.
Phoenix Spec. Mfg. Co., Inc., 48 Duane, New York
Victor Mfg. & Gasket Co., 5750 W Roosevelt rd, Chicago, Ill.
Wearwell Gasket & Packing Co., 32 N 3d, Camden, N. J.
Wirfs E. J. ("Wirfs" Weatherproofing), 106 S. 17th, St. Louis, Mo.

5205a—Gaskets (For Flanges, Valves & Fittings)

AKRON METALLIC GASKET CO., 142 N. Union, Akron, O.
See adv index at end of book

Barwood L. J. Mfg. Co. ("Barwood"), Stoneham 80, Boston, Mass.
See adv index at end of book

Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book

Chicago Rawhide Mfg. Co. (The), (Leather), 1307 Elston av, Chicago, Ill.
See adv index at end of book

DARCOID COMPANY ("Darcoid," "Old Dominion"), 1780 B'way, New York
See adv index at end of book

Flexitallic Gasket Co. ("Flexitallic"), 8th & Bailey, Camden, N. J.

General Asbestos & Rubber Co., Charleston, S. C.

Gasket Supply Co., 1927 Ludlow, Philadelphia, Pa.
See adv index at end of book

GOETZE GASKET & PACKING CO., 3 Allen av New Brunswick, N. J.
See adv index at end of book

Guillott Metal Gasket & Supply Co., 24 S Clinton, Chicago, Ill.

Keystone Gasket Mfg. Co., 829 N 4th, Phila., Pa. ***See adv index at end of book***

MICHIGAN LEATHER PACKING CO., INC., 618-620 St. Antoine, Detroit, Mich.
See adv index at end of book

Quaker City Rubber Co. ("Deta," "Hercules," "Regal," "Ebonite," "Skihi"), 3927 Comly, Philadelphia, Pa.
See adv index at end of book

Rockford Leather Washer Co. (Leather Only), 100 Forbes, Rockford, Ill.

Smyth Rubber & Packing Co., 512 Mercer, Jersey City, N. J.

Victor Mfg. & Gasket Co., 5750 W Roosevelt rd, Chicago, Ill.

Western Packing & Supply Co., 233 N
See adv index at end of book

5206—Gaskets (Gauge Glass)

Anchor Packing Co. ("Brooks"), 1531 Market, Philadelphia, Pa.

Barwood L. J. Mfg. Co. ("Barwood"), Stoneham 80, Boston, Mass.
See adv index at end of book

Chicago Rawhide Mfg. Co. (The), (Leather), 1307 Elston av, Chicago, Ill.
See adv index at end of book

Darcoid Company, 1780 B'way, New York
See adv index at end of book

Durabla Mfg. Co. ("Durabla"), 114 Liberty, New York

Gasket Supply Co., 1927 Ludlow, Philadelphia, Pa.
See adv index at end of book

Gilbert & Co. ("Acme" Bulb), Hyattsville, Md.

Keystone Gasket Mfg. Co., 829 N 4th, Philadelphia, Pa.
See adv index at end of book

Norwalk Mfg. Co. (Rubber), E Norwalk, Conn.

Rockford Leather Washer Co., 100 Forbes, Rockford, Ill.

U. S. Indestructible Gasket Co., 831 E 15th, Brooklyn, N. Y.
See adv index at end of book

Western Packing & Supply Co., 233 N Wells, Chicago, Ill.
See adv index at end of book

5207—Gaskets (Gum, Fibrous, Etc.)

See also Gaskets, Asbestos; also Gaskets, Metallic, Etc.

American Washer Wks., 91 Wallabout, Brooklyn, N. Y.

AKRON METALLIC GASKET CO. ("Akronite" Compressed Asbestos Sheet Packing Gaskets), 142 N Union, Akron, O. *See adv index at end of book*

Anchor Packing Co. ("Ankorite," "Tauril"), 1531 Market, Philadelphia, Pa.

BARWOOD L. J. MFG. CO. ("Barwood"), Stoneham 80, Boston, Mass.
See adv index at end of book

Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book

Bay State Belting Co. (Rubber), 349 Congress, Boston, Mass.

Bishop Gutta-Percha Co. (Gutta Percha), 420 E 25th, New York

Boston Belting Corp. (Rubber), 80 Elmwood av, Boston, Mass.

Brandt Randolph (Combination Rubber & Heavy Duck, High Pressure), 70 Cortlandt, New York

Canfield H. O. Co. (Rubber), 191 Houstance, Bridgeport, Conn.

Cincinnati Rubber Mfg. Co., Norwood, Cincinnati, Ohio

Cleveland Gasket & Mfg. Co., 1616 W 116th, Cleveland, O.

Combination Rubber Mfg. Co. (Rubber), Bloomfield, N. J.

Continental Fibre Co. (Fibre), Newark, Del.

DARCOID COMPANY ("Darcoid," "Dominion," "Sovereign"), 1780 B'way, New York *See adv index at end of book*

Dealers Steam Packing Co., Palmyra, N. Y.

Durabla Mfg. Co. ("Durabla"), 114 Liberty, New York

Eckhouse Horace E. ("Wisold"), 1834 B'way, New York

Empire Tire & Rubber Corp. (Rubber), Trenton, N. J.

Essex Rubber Co., Trenton, N. J.

Federal Rubber Co., The (Rubber), Cudahy, Wis.

Garlock Packing Co., Palmyra, N. Y.

Gasket Supply Co. ("Right" Red Sheet, Compressed Asbestos Cloth Inserted & Vello Fibre), 1927 Ludlow, Phila., Pa. *See adv index at end of book*

General Asbestos & Rubber Co. ("Ideal" Red), Charleston, S. C.

Goetze Gasket & Packing Co. ("Goetzerit"), 3 Allen av, New Brunswick, N. J. *See adv index at end of book*

Goodrich B. F. Co. (Rubber), Akron, O.

Goodyear Tire & Rubber Co., Inc. ("Good Year" Packing), 1144 E Market, Akron, Ohio

Gould Packing Co. ("Hi Tite"), Cambridge, Mass.

Hamilton Rubber Mfg. Co. (Rubber), Trenton, N. J.

Hewitt Rubber Co., Buffalo, N. Y.

Hodgman Rubber Co. (Rubber), 25 W 43d, New York

Hollow Center Packing Co., 1968 E 66th, Cleveland, Ohio

Home Rubber Co. (Rubber), Trenton, N. J.

Indiana Rubber & Insulated Wire Co., P. O. Box 192, Jonesboro, Ind.

Jenkins Bros. ("Jenkins-96," "Jenarco," "Oilite, Magnolia"), 80 White, New York *See adv index at end of book*

Johnson H. Co. ("Johnson's" With Wire Insertion), ft. Gates av, Jersey City, N. J.

Keystone Gasket Mfg. Co., 829 N 4th, Phila., Pa. ***See adv index at end of book***

Knowlton Geo. W. Rubber Co. (Rubber), 60 Pearl, Boston, Mass.

Manhattan Rubber Mfg. Co. (Rubber), Passaic, N. J.

Mechanical Rubber Co. (Rubber), 1790 B'way, New York

Mercer Rubber Co. (Rubber Cloth Insertion), Hamilton sq, N. J.

MICHIGAN LEATHER PACKING CO., 618-620 St. Antoine, Detroit, Mich.
See adv index at end of book

Mulconroy Co., 54th & Jefferson, Phila., Pa.

National Gauge Co. ("National"), 300H Pacific, Brooklyn, N. Y.

National India Rubber Co. (Rubber), Bristol, R. I.

New Jersey Car Spring & Rubber Co. (Rubber), 91 Brunswick, Jersey City, N. J.

New York Insulated Wire Co. (Lighting Non-Tubular Brand), 84 State, Boston, Mass.

Phoenix Spec. Mfg. Co., Inc., 48 Duane, New York

Pennsylvania Rubber Co. (Wire Insertion, Cloth Insertion, Fibrous Tape, Tubular, Screen Diaphragm, etc.), Jeannette, Pa.

Quaker City Rubber Co. ("Delta," "Ebonite," "Hercules"), 3827 Comly, Philadelphia, Pa.
See adv index at end of book

Republic Rubber Co. (Rubber), Youngstown, O.

Revere Rubber Co. (Cloth Insertion, Spliced or Moulded, etc), Chelsea, Mass.

Schaeht Rubber Mfg. Co., Huntington, Ind.

Smyth Rubber & Packing Co., 512 Mercer, Jersey City, N. J.

Strong Machinery & Supply Co. ("Tisafine"), 292-294 Church, New York
See adv index at end of book

United Globe & Rubber Co. (Rubber), Trenton, N. J.

U. S. Indestructible Gasket Co., 831 E 15th, Bklyn, N. Y. ***See adv index at end of book***

U. S. Rubber Co., 1790 Broadway, New York
See adv index at end of book

"U. S." GASKETS
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

Victor Mfg. & Gasket Co., 5750 Roosevelt rd, Chicago, Ill.

Voorhees Rubber Mfg. Co. ("Nubian" Tubular Rubber), 18 Bostwick av., Jersey City, N. J.

Walsh Packing Co. (Combination), 304 New, Phila., Pa.

Western Packing & Supply Co., 233 N Wells, Chicago, Ill.
See adv index at end of book

Western Rubber Co. (Rubber), Goshen, Ind.

Whitehead Bros. Rubber Co. (Rubber), Trenton, N. J.

Wilcox E. A. Mfg. Co. (Self Sealing), 6330 Stony Island av, Chicago, Ill.

5208— Gaskets (Hard Fibre)

See also Fibre, Hard

American Washer Wks., 91 Wallabout, Brooklyn, N. Y.

Barwood L. J. Mfg. Co. ("Barwood"), Stoneham 80, Boston, Mass.
See adv index at end of book

Continental Fibre Co., Newark, Del.

DELAWARE HARD FIBRE CO. ("Egyptian"), Wilmington, Del.
See adv index at end of book

Diamond State Fibre Co., Dept. 37, Bridgeport, Pa.
See adv index at end of book

Gasket Supply Co., 1927 Ludlow, Philadelphia, Pa.
See adv index at end of book

Iten Fibre Co., 2355-2359 E 67th, Cleveland, O.

KEYSTONE GASKET MFG. CO., 829 N 4th, Philadelphia, Pa.
See adv index at end of book

NATIONAL VULCANIZED FIBRE CO., Beach & Maryland av, Wilmington, Del. *See adv index at end of book*

Pacific Felt Cutting & Sewing Co. ("Pafesco"), 26H Clementina, San Francisco, Cal.

Pacific States Mfg. Co., Inc., 60 Natoma, San Francisco, Cal.

Russell Specialty Mfg. Co., 2944 W Lake, Chicago, Ill.

Wilmington Fibre Specialty Co., Wilmington, Del.

5209— Gaskets (Lead)

See also Gaskets, Metallic

AKRON METALLIC GASKET CO. ("Akron" Corrugated & Plain, for Boiler Manholes, Ammonia Fittings, Acid, etc), 142 N Union, Akron, O.
See adv index at end of book

American Washer Wks., 91 Wallabout, Brooklyn, N. Y.

Barwood L. J. Mfg. Co. ("Barwood"), Stoneham 80, Boston, Mass.
See adv index at end of book

Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book

Chadwick-Boston Lead Co., 162 Congress, Boston, Mass.

Cleveland Gasket & Mfg. Co., 1616 W 116th, Cleveland, Ohio

GASKET SUPPLY CO. ("Right" Corrugated & Plain for Manhole, Handle Hole, Ammonia Fillings, Acids, etc.), 1927 Ludlow, Phila., Pa.
See adv index at end of book

GOETZE GASKET & PACKING CO. ("Goetze"), 3 Allen av,, New Brunswick, N. J. *See adv index at end of book*

GUILLOTT METAL GASKET & SUPPLY CO., 24 S Clinton, Chicago, Ill.

Keystone Gasket Mfg. Co., 829 N 4th, Philadelphia, Pa.
See adv index at end of book

Northwest Lead Co. ("Bunker Hill"), 1744 4th av S, Seattle, Wash.

Pacific Felt Cutting & Sewing Co., 266 Clementina, San Francisco, Cal.

Pacific States Mfg. Co., Inc., 60 Natoma, San Francisco, Cal.

Phoenix Spec. Mfg. Co., Inc., 48 Duane, New York

U. S. Indestructible Gasket Co. (& Alloy), 831 E 15th, Brooklyn, N. Y.
See adv index at end of book

Wilcox E. A. Mfg. Co. (Manhole), 6330 Stony Island av, Chicago, Ill.

Windsor Mfg. Co., 570 Clinton, Milwaukee, Wis.

5210— Gaskets (Leather)

Adams C. F., P. O. Box 253H, Ft. Worth, Texas

American Washer Works, 91 Wallabout, Brooklyn, N. Y.

BARWOOD L. J. MFG. CO. ("Barwood") Stoneham, 80, Boston, Mass.
See adv index at end of book

BARWOOD V. H. MFG. CO. ("Barco"), Lynn, Mass.
See adv index at end of book

Brawley, T. R. (Rawhide, etc.), 270 20th, Brooklyn, N. Y.
See adv index at end of book

CHICAGO BELTING CO., 110 N Green, Chicago, Ill.
See adv index at end of book

Chicago Leather & Mercantile Co., 1343 W 14th, Chicago, Ill.

Cleveland Gasket & Mfg. Co., 1616 W 116th, Cleveland, O.

CHICAGO RAWHIDE MFG. CO. (THE), 1307 Elston av, Chicago, Ill.
See adv index at end of book

Detroit Leather Works, 633 East Lafayette av, Detroit, Mich.

Field R. B. & Co. ("Fields"), 12 Clarence, Worcester, Mass.

Gasket Supply Co. ("Right"), 1927 Ludlow, Phila., Pa.
See adv index at end of book

Goetze Gasket & Packing Co., 3 Allen av, New Brunswick, N. J.
See adv index at end of book

(Continued on following page)

The Gasket Supply Company

Manufacturers of

"Right" Gaskets and Sheet Packings, "Gasco" Piston Packing, also Stampings, Punches and Dies

1927 Ludlow Street, Philadelphia, Pennsylvania

"Right" Gaskets Save Power

GASKETS
Copper
Steel
Brass
Lead
Asbestos
Rubber
Paper
Fibre

For great durability and maximum efficiency, choose "Right Gaskets." They prevent power losses, oil and gas leaks by making and maintaining a perfectly tight joint under any pressure. Made for Automobiles, Gas Engines, Locomotives, High Pressure and Superheated Steam conditions and for other system requirements. We are Gasket Specialists, manufacturing them in any shape or size from copper, steel, brass, lead, asbestos, rubber, paper fibre, leather, monel metal, bronze, tin, zinc, felt, canvas, wood, cork or combinations of these materials to meet any conditions.

GASKETS
Copper Asbestos Filled
Leather
Monel Metal
Tin
Zinc
Felt
Canvas

Gasco Packing

Super quality and a standard of excellence. Made to serve and earn a repeat order. Our stock includes packing of Asbestos, Rubber, Leather, Flax, Canvas, Compositions, and all other materials in Sheets, Rings, Spirals, Coils, Tucks and Millboard forms. Made for steam, gas, water, acids, brine, ammonia, oils and other purposes in thicknesses suitable for any pressure

"Right" Brand Washers

We make "Right" Brand Felt Washers and Strips for oil and grease packings and for automobiles. Any shape, size, thickness or degree of hardness. Other 'Right" Brand Washers are made of Asbestos, Aluminum, Bronze, Brass, Cork, Cardboard, Copper Duck, Fibre, Felt, Iron, Lead, Leather, Mica, Millboard, Paper, Rubber, Steel, Rawhide, Monel Metal, Tin, Wood, Zinc.

Gaskets (Leather)—Continued

Graton & Knight Mfg. Co., 244 Franklin, Worcester, Mass.
See adv index at end of book
Judd & Leland Mfg. Co., **Clifton Springs,** N. Y.
Keystone Gasket Mfg. Co., 829 N 4th, Phila., Pa. *See adv index at end of book*
Keystone Solether Corp., 320 B'way, New York
MARSH CHAS. W. CO., Muskegon, Mich.
MICHIGAN LEATHER PACKING CO., 618-620 St. Antoine, Detroit, Mich.
See adv index at end of book
National Leather Mfg. Co., **Niles, Mich.**
Phoenix Spec. Mfg. Co., Inc., 48 Duane, New York
Rockford Leather Washer Co., 100 Forbes, Rockford, Ill.
Rockford Leather Washer Co., **Rockford,** Ill.
Schieren Chas. A. Co., 30 Ferry, New York
Sovereign C. E. Co., Rockford, Ill.
U. S. Indestructible Gasket Co., 831 E 15th, Bklyn, N. Y.
See adv index at end of book
Western Packing & Supply Co., 233 N Wells, Chicago, Ill.
See adv index at end of book

5210a— Gaskets (Manhole)

Akron Metallic Gasket Co., 142 N Union, Akron, O. *See adv index at end of book*
Cincinnati Gasket & Packing Co., 1546 Elm, Cincinnati, Ohio
Gasket Supply Co., 1927 Ludlow, Philadelphia, Pa.
See adv index at end of book
Guillott Metal Gasket & Supply Co., 24 S Clinton, Chicago, Ill.
Jenkins Bros., 80 White, New York
See adv index at end of book
KEYSTONE GASKET MFG. CO., 829 N 4th, Philadelphia, Pa.
See adv index at end of book
McCord Radiator Mfg. Co., Inc., 2587 E Grand blvd, Detroit, Mich.
Quaker City Rubber Co., 672 Market, Phila., Pa.
See adv index at end of book
United States Rubber Co., 1790 B'way, New York
See adv index at end of book

5211— Gaskets (Metallic)

For Rubber Gaskets, see Gaskets, Gum, Fibrous, etc; also Gaskets, Asbestos, etc; for Fibre Gaskets, see Fibre Manufacturers, Hard

AKRON METALLIC GASKET CO., ("Akron" Plain & Corrugated Copper, Copper-Asbestos Combination, "Akro-Metal" Gaskets for Superheat, also Gaskets of any Metal), 142 N Union, Akron, O.
See adv index at end of book
Aluminum Co. of America (Aluminum), Oliver bldg, Pittsburgh, Pa.
American Asbestos Co. (Asbestos Metallic, Rubbered & Gaskets Without Wire), Norristown, Pa.
American District Steam Co. **(Corrugated Copper),** No. Tonawanda, N. Y.
Argus Asbestos Co., Inc., **Port Chester, N. Y.**
Beaton & Cadwell Mfg. Co. (Corrugated Copper, Steel, Brass & Iron), New Britain, Conn.
Crane Co., 836 S. Michigan av, Chicago, Ill.
See adv index at end of book
Crane Packing Co., 1800 Cuyler, Chicago, Ill.
Eureka Co. ("Eureka"), **North East, Pa.**
Everitt Co., 267 Franklin, Boston, Mass.
See adv index at end of book
Faul & Timmins ("Asbesteel"), 149 Oak, Buffalo, N. Y.
Fitzgerald Mfg. Co. (Asbestos, Copper), Torrington, Conn.
Flexitallic Gasket Co. ("Flexitallic" Asbestos-Metallic), 8th & Bailey, Camden, N. J.
Franklin Mfg. Co., Franklin, Pa.
Gasket Supply Co. ("Right" Plain or Corrugated Copper, Lead, Brass, Steel, Bronze, Asbestos, Metallic & Combination of Copper & Asbestos), 1927 Ludlow, Phila., Pa.
See adv index at end of book
General Asbestos & Rubber Co., Charleston, S. C.
Goetze Gasket & Packing Co. ("Goetze" Plain & Corrugated Copper, Brass, Monel, Steel, Aluminum & Pure Nickel & Phosphor Bronze), New Brunswick, N. J. *See adv index at end of book*
Goodsell Packing Co., Maywood, Ill.
Guillott Metal Gasket & Supply Co., 24 S Clinton, Chicago, Ill.

Established 1886 "Quality and Service"

Guillott Metal Gasket & Supply Co.

24-30 So. Clinton St. Chicago, Ill.

Copper, Lead and Combination Gaskets for all purposes. Engines, Boilers, Flange Fittings, Ice Machines, Pipe Lines and SPECIALTIES

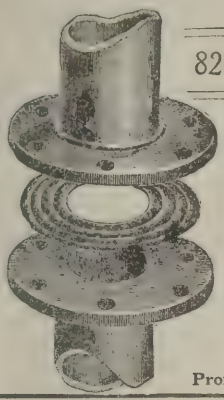
We Are Specialists in Gaskets

Hill-Smith Metal Goods Co. (Copper), 83 Brookline av, Boston Mass.
Hollow Center Packing Co. (Asbestos-Metallic), 1968 E 66th Cleveland, Ohio
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Hussey C. G. & Co. (Copper), 2850 2d av, Pittsburgh, Pa.
INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Johns Manville, Inc. ("Asbestos" Metallic), Madison av & 41st, New York
Keasbey & Mattison Co. ("Kaynum"), Ambler, Pa.
Keystone Gasket Mfg. Co., 829 N 4th, Phila., Pa. *See adv index at end of book*
McCord Radiator Mfg. Co. ("McKim," "McCord" Copper Asbestos for Automotive & Steam), 2587 E Grand blvd, Detroit, Mich.
Metallo Gasket Co. ("Bethamy"), New Brunswick, N. J.
Mushet W. E. Co. (Dirs.), 700 2nd, San Francisco, Cal.
Phoenix Specialty Mfg. Co., 48 Duane, New York
Simmons John Co., 110 Centre, New York
See adv index at end of book
Smooth-On Mfg. Co. (Corrugated Iron), 572 Communipaw av, Jersey City, N. J.
Taunton-New Bedford Copper Co. (Corrugated Copper), 267 W Water, Taunton, Mass.
U. S. Asbestos Co. ("Asbestos Metallic"), 45 N Duke, Lancaster, Pa.
U. S. Indestructible Gasket Co. (Plain & Corrugated Copper, Brass, Steel & Lead), 831 E 15th, Brooklyn, N. Y.
See adv index at end of book
U. S. Mineral Wool Co. (Corrugated Copper), 280 Madison av, New York
Victor Mfg. & Gasket Co., 5750 Roosevelt rd, Chicago, Ill.
Watson H. F. Co. (Asbestos), Erie, Pa.
Wearwell Gasket & Packing Co. (Asbestos Copper), 32 N 3rd, Camden, N. J.
Western Packing & Supply Co., 233 N Wells, Chicago, Ill.
See adv index at end of book
Wilcox E. A. Mfg. Co. ("Wilcox," Self-Sealing), 6330 Stony Island av, Chicago, Ill.

5211a—Gaskets (Monel Metal)

Akron Metallic Gasket Co., 142 N Union, Akron, O. *See adv index at end of book*
Everitt Co., 275 Franklin, Boston 9, Mass.
Gasket Supply Co. ("Right"), 1927 Ludlow, Phila., Pa.
See adv index at end of book

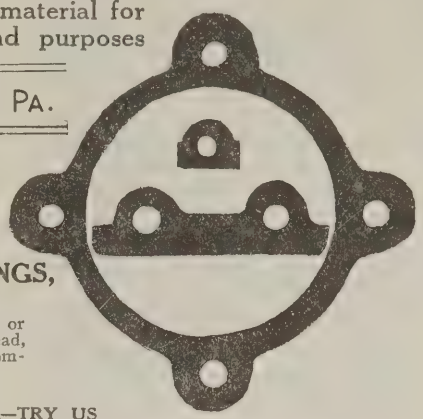
CORRUGATED METAL GASKETS
plain or with asbestos lining



KEYSTONE GASKET MFG. CO. — KEYSTONE EXCELLENT PRODUCTS — U.S.A.

829 N. FOURTH ST. PHILADELPHIA PA.

SHIMS OR LINERS
made of any material for all motors and purposes



MANUFACTURERS OF
GASKETS, WASHERS, SHIMS, METAL STAMPINGS, CARDHOLDERS, PUNCHES and DIES

We make Gaskets for all purposes, of any material, in any shape or size: brass, copper, copper asbestos, cardboard, cork, felt, fibre, lead, leather, iron, bronze, monel metal, tin, canvas, paper millboard, compressed asbestos, rubber, etc.

Quotations Furnished

Prompt Attention Will Be Given to All Orders, Whether Large or Small—TRY US

GOETZE GASKET & PACKING CO., 3 Allen av, New Brunswick, N. J.
See adv index at end of book

Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York

INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book

INCo
Monel metal
GASKETS
Made from Monel Metal or Nickel.
Plain, Corrugated, Asbestos Filled, etc.
Resist Corrosion—Strong as Steel.
Retain Strength at High Temperatures.
SEE OUR INSERT AT MONEL METAL
THE INTERNATIONAL NICKEL COMPANY
67 Wall Street New York, N.Y.

Keystone Gasket Mfg. Co., 829 N 4th, Phila., Pa. *See adv index at end of book*

McCord Mfg. Co., Wyandotte, Mich.

Phoenix Spec. Mfg. Co., Inc., 48 Duane, New York

U. S. INDESTRUCTIBLE GASKET CO., 831 E 15th, Brooklyn, N. Y.
See adv index at end of book

5211b— *Gaskets (Nickel)

Gasket Supply Co., 1927 Ludlow, Philadelphia, Pa.
See adv index at end of book

Goetze Gasket & Packing Co., 3 Allen av, New Brunswick, N. J.
See adv index at end of book

Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York

Keystone Gasket Mfg. Co., 829 N 4th, Philadelphia, Pa.
See adv index at end of book

U. S. INDESTRUCTIBLE GASKET CO., 831 E 15th, Brooklyn, N. Y.
See adv index at end of book

5212— Gaskets (Paper)

Akron Metallic Gasket Co., 142 N. Union, Akron, O. *See adv index at end of book*

American Washer Wks., 91 Wallabout Brooklyn, N. Y.

BARWOOD L. J. CO. MFG. ("Barwood"), Stoneham, 80, Boston, Mass.
See adv index at end of book

Campbell Paper Box Co., South Bend, Ind.

Campbell Tag Co. ("Campbell"), South Bend, Ind.

Cleveland Gasket & Mfg. Co., 1616 W 116th, Cleveland, O.

Felt Products Mfg. Co., 1507 Carroll av, Chicago, Ill.

Gasket Supply Co. ("Right" Paper, All Shapes & Sizes), 1927 Ludlow, Phila, Pa. *See adv index at end of book*

Goetze Gasket & Packing Co., 3 Allen av, New Brunswick, N. J.
See adv index at end of book

Keystone Gasket Mfg. Co., 829 N 4th, Philadelphia, Pa.
See adv index at end of book

Pacific Felt Cutting & Sewing Co., 260 Clementina, San Francisco, Cal.

Pacific States Mfg. Co., Inc., 60 Natoma, San Francisco, Cal.

Phoenix Spec. Mfg. Co., Inc., 48 Duane, New York

Springman Paper Products Co., 1561 E Milwaukee, Detroit, Mich.

U. S. Indestructible Gasket Co., 831 E 15th, Bklyn, N. Y.
See adv index at end of book

Union Bag & Paper Corp., 233 Broadway, New York

Gaskets (Rubber)

See Gaskets, Gum, Fibrous, Etc

5213— Gaskets (Steel Corrugated)

AKRON METALLIC GASKET CO., 142 N Union, Akron, O.
See adv index at end of book

Gasket Supply Co. ("Right" Plain, Corrugated & Smooth-On Coated), 1927 Ludlow, Phila., Pa.
See adv index at end of book

GOETZE GASKET & PACKING CO., 3 Allen av, New Brunswick, N. J.
See adv index at end of book

Keystone Gasket Mfg. Co., 829 N 4th, Philadelphia, Pa.
See adv index at end of book

Petroleum Export Corp., 610 S Main, Los Angeles, Cal.

Phoenix Spec. Mfg. Co., Inc., 48 Duane, New York

U. S. INDESTRUCTIBLE GASKET CO., 831 E 15th, Brooklyn, N. Y.
See adv index at end of book

5213a— Gaskets (Tubular)

Belmont Packing & Rubber Co., 12th & Arch, Philadelphia, Pa.

Boston Belting Corp., 80 Elmwood av, Boston, Mass.

Consolidated Packing & Supply Co., 21 Barclay, New York

Dominion Asbestos & Rubber Corp., 1780 B'way, New York
See adv index at end of book

Felt Products Mfg. Co., 1507 Carroll av, Chicago, Ill.

General Asbestos & Rubber Co., Charleston, S. C.

Goetze Gasket & Packing Co., 3 Allen av, New Brunswick, N. J.
See adv index at end of book

Goodall Rubber Co., Inc., 8th & Locust, Phila., Pa.

Goodrich B. F. Rubber Co., Akron, Ohio

Jenkins Bros., 80 White, New York
See adv index at end of book

Johnson Henry Co., foot Gates av, Jersey City, N. J.

Quaker City Rubber Co., 672 Market, Phila., Pa.
See adv index at end of book

Union Rubber Asbestos Co., Trenton, N. J.

5214—*Gasoline Long Distance (Storage & Pumping Outfits)

SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortland, New York
See adv index at end of book

5215— Gasoline Refiners

American Oil Works (Ltd.), Titusville, Pa.

Angeles Snowolen Refining Co. ("Peacock Quality"), 2101 E Florence av, Los Angeles, Cal.

Associated Oil Co., 79 New Montgomery, San Francisco, Cal.

Atlantic Refining Co., 3144 Passyunk av, Phila., Pa.

Buck E. A. & Co., Willimantic, Conn.

Cameron Refining Co., Ardmore, Okla.

Camp Harry E., Bradford, Pa

Canfield Oil Co., 3210 E 55th, Cleveland, O

Central Refining Co., Laurenceville, Ill.

Clarendon Refining Co., Clarendon, Pa.

Continental Mexican Petroleum Co., 71 B'way, New York

Cornplanter Refining Division, Warren, Pa.

Craig Oil Co., Toledo, O.

Crystal Oil Works, Oil City, Pa.

Emery Mfg. Co., Bradford, Pa.

Empire Oil Works, Oil City, Pa. Works Reno, Pa.

Freedom Oil Works Co., Freedom, Pa

General Petroleum Corp., Higgins bldg., Los Angeles, Cal.

Great Western Oil Co., 2846 E 37th, Cleveland, O.

Gulf Refining Co., Frick bldg Annex, Pittsburgh, Pa.

Gypsy Oil Co., Frick Bldg Annex, Pittsburgh, Pa.

Harbor Refining Co. ("Purity"), 2475 E 9th, Los Angeles, Cal.

Hercules Gasoline Co., 2411 E 30th, Los Angeles, Cal.

Highland Oil Co., Clarion, Pa.

Independent Refining Co. (Ltd.), Oil City Pa.

Indian Refining Co. (Automobile, Stove, etc.), 244 Madison av, New York

Interocean Oil Co., 90 West, New York

Jameson Oil Co. ("Propello"), 2501 E 28th, Los Angeles, Cal.

Liquified Petroleum Gas Co., Tulsa, Okla.

Louisiana Oil Refining Co., Shreveport, La.

Miller's Sons Co., Columbus & Preble, Pittsburgh, Pa.

Mills C. E. Oil Co., Syracuse, N. Y.

Montrose Oil Refining Co. Inc., Ft. Worth, Tex.

Mutual Refining Co. (Ltd.), Warren, Pa.

National Refining Co., Rose bldg., Cleveland, O.

Oklahoma Producing & Refining Co., Tulsa, Okla.

Pacific Gasoline Co. (Casing Head), 411 S Main, Los Angeles, Cal.

Paragon Refining Co., Toledo, O.

Penn American Refining Co., Oil City, Pa.

Pa. Oil & Refining Co., Oil City, Pa.

Pennsylvania Paraffine Works, Titusville, Pa.

Petroleum Export Corp., 934 Santee, Los Angeles, Cal.

Petroleum Products Co., 3917 Neville, Pittsburgh, Pa.

Producers' Refining Co., Bakersfield, Cal.

Prudential Oil Corp., 110 William, New York

Pure Oil Co., Lafayette bldg, Phila., Pa.

Red "C" Oil Mfg. Co., Highway & Lawrence, Baltimore, Md.

Sapulpa Refining Co., Tulsa, Okla.

Shell Co. of Cal., 343 Sansome, San Francisco, Cal.

Sinclair Refining Co., Conway bldg., Chicago, Ill.

Sloan & Zook, Bradford, Pa.

Southwestern Oil Corp., Oklahoma, Okla.

Standard Oil Co. ("Red Crown," "Standard"), 225 Bush, San Francisco, Cal.

Standard Oil Co., 910 S Michigan av, Chicago, Ill.

Standard Oil Co., 26 Broadway, New York

Standard Oil Co. of New York ("Socony"), 555 W 25th, New York

Stebbins Oil & Gasoline Co. (Raw Casing Head & Blended), Tulsa, Okla.

Sun Co., 1240H Finance bldg, Phila., Pa.

Sunlight Oil & Gasoline Co., 49th & Gray's av, Phila., Pa

TEXAS COMPANY, THE ("Texaco," the Volatile Gas), Dept. D, 17 Battery pl, New York
See adv index at end of book

Tidewater Oil Co. ("Tydol"), 11 B'way, New York

Union Oil Co. of Cal., Union Oil bldg, Los Angeles, Cal.

Union Petroleum Co., Widener bldg, Phila., Pa.

Valley Oil Refinery, Stockton & Palhemus, San Jose, Cal.

Van Tilburg Oil Co., 2428 University av, Minneapolis, Minn.

Ventura Refining Co., 458 S Spring, Los Angeles, Cal.

(Continued on following page)

Gasoline Refiners—Continued

Vernon Oil Refining Co., 2500 E 26th, Los Angeles, Cal.
Warren Refining Co., Warren, Pa.
WAVERLY OIL WKS. (Stoves & Illuminating, Auto, Gasoline Engines, etc.), 54th & A. V. R. R., Pittsburgh, Pa.
White Star Refining Co., Avery & Grand Trunk R. R., Detroit, Mich.

5216—Gasoline Underground Storage & Pumping Outfits

American Oil Pump & Tank Co., Findlay & Dalton, Cincinnati, O.
Beman Automatic Oil Can Co., Ltd., Box 375, Meadeville, Pa.
Bowser S. F. & Co., Ft. Wayne, Ind.
Boyle-Dayton Co., Santa Fe av cor 52nd, Los Angeles, Cal.
Heller-Aller Co., Napoleon, O.
Keesee Mfg. Co. Inc. ("Keesee"), 723 W Belgrave, Huntington Park, Los Angeles, Cal.
Keystone Iron & Steel Wks. ("Keystone" Visible Vendor), 37th & Santa Fe av, Los Angeles, Cal.
Lipman Refrigerator Car & Mfg. Co., Beloit, Wis.
Meurer Steel Barrel Co., Inc., 23 W 43rd, New York
Milwaukee Tank Works ("Milwaukee"), Fratney & Becker, Milwaukee, Wis.
Richardson-Phenix Co., 131-2nd, Milwaukee, Wis.
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortland, New York
See adv index at end of book
Sexton Can Co. ("Sexton"), 123 Broad, Boston, Mass.
Stephenson C. H. ("Stephenson"), Lynn, Mass.
Tokheim John J. Co., Cedar Rapids, Ia.
Vonde's Visible Pump Co., 2248 E 37th, Los Angeles, Cal.

5217—Gates (Automatic Drive)

Chattanooga Roofing & Foundry Co. (Wrought Iron), Chattanooga, Tenn.
Cyclone Fence Co., Waukegan, Ill.
Guth Gate Co., Waverly, Ohio
Peters David & Son Fence & Gate Co., Homer, Ill.
St. Louis Wire & Iron Co., St. Louis, Mo.

5217a— Gates (Bin)

Allis-Chalmers Mfg. C., Milwaukee, Wis.
See adv index at end of book
Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
Brown Hoisting Machy. Co. (The), 4403 St. Clair N E, Cleveland, Ohio
See adv index at end of book
Hunt C. W. Co., West New Brighton, N. Y. *See adv index at end of book*
Lakewood Engineering Co., Cleveland, O.
Link-Belt Company, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Penn Foundry & Mfg. Co. Wyomissing, Reading, Pa.
Robins Conveying Belt Co., 15 Park Row, New York
See adv index at end of book
Smith T. L. Co. ("Smith"), 1151 32d, Milwaukee, Wis.
See adv index at end of book

5218— Gates (Blast)

(Names with * also manufacture Monel Metal)
American Blower Co., 6004 Russell, Detroit, Mich.
*Beckley Perforating Co., Garwood, N. J.
Buffalo Forge Co., 490 B'way, Buffalo, N. Y.
Clarage Fan Co., North & Porter, Kalamazoo, Mich.
See adv index at end of book
*Cleveland Wire Cloth Co., Cleveland, O.
Empire Blower & Pipe Co., Rochester, N. Y.
*Hendrick Mfg. Co., Carbondale, Pa.
Hersh Bros. Co., 645 Mill, Allentown, Pa.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp. C. O., Southport, Conn.
*Magosy & Buscher, 232 Canal, New York
Miner & Peck Mfg. Co. ("Peck"), Derby, Conn.
*Munning & Co. A. P., Matawan, N. J.
New York Blower Co., Archer av & Canal, Chicago, Ill.
Rockwell W. S. Co., 50 Church, New York
See adv index at end of book
*Sholes Inc., 186 Lafayette, New York
*Smith & Co. John P., New Haven, Conn.
*Steel Products Mfg. Co., Cicero, Ill.
Steere Engineering Co., General Motors bldg, Detroit, Mich.
Sterling Blower Co. ("Sterling"), Hartford, Conn.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Tate-Jones & Co., Inc., Pittsburgh, Pa.
*Taylor Disc Co., Mansfield, O.
*Tyler Co. W. S., Cleveland, O.
York Heating & Ventilating Corp. (For Forced Draft), Mill, Bridgeport, Pa.

5219— Gates (Bridge)

Buda Co., Harvey, Ill.
Pitt Wm. R. Composite Iron Wks. ("Pitt" Folding), 548 W. 27th, New York

Gates (Bronze)

See Gates, Ornamental Bronze & Iron

Gates (Car)

See Car Gates & Guards

5220— Gates (Coal Pocket)

Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
Estey Bros. Co., 1006 Metropolitan av, Brooklyn, N. Y.
Hunt C. W. Co., West New Brighton, N. Y. *See adv index at end of book*
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.
Robins Conveying Belt Co., 15 Park Row, New York
See adv index at end of book
Union Iron Works, Hoboken, N. J.

5221—Gates (Concrete Hopper)

Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
Blaw-Knox Mfg. Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Bremer, W. A., 3612H S Alameda, Los Angeles, Cal.
Davis Norris K., 400 7th, San Francisco, Cal.
Insley Mfg. Co., 3500 E St. Clair, Indianapolis Ind.
Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.
Robins Conveying Belt Co., 15 Park Row, New York
See adv index at end of book

5221a—Gates (Day, For Bank Vaults)

HALL'S SAFE CO., P. O. Box 846, Cincinnati, O.
See adv index at end of book

Gates (Driveway & Entrance)

See Gates, Ornamental Bronze & Iron; also Gates, Farm

5222-3— Gates (Farm)

Adams E. B. & Son, Racine, Wis.
Adrian Wire Fence Co., Adrian, Mich.
AMERICAN STEEL & WIRE CO. ("American" Steel), 208 S La Salle, Chicago, Ill.
See adv index at end of book
ANCHOR POST IRON WORKS ("Anchor Post"), 50 Church, New York
See adv index at end of book
Bayley Wm. Co., Springfield, O.
Cyclone Fence Co. ("Cyclone," Tubular Steel), Waukegan, Ill.
Dwiggins Wire Fence Co., Anderson, Ind.
Eureka Fence Mfg. Co., Richmond, Ind.
Frost Superior Fence Co., Warren, O.
Gade Bros. Mfg. Co. ("Gade"), Iowa Falls, Ia.
Gade C. L., Iowa Falls, Ia.
Glor Bros. & Willis Mfg. Co. ("New Modern"), Attica, N. Y.
Guth Gate Co. ("Guth" Automatic, Balanced Steel Folding Driveway Gates), Waverly, Ohio
Iowa Gate Co., Cedar Falls, Ia.
Jackson Fence Co., Jackson, Mich.
Keystone Steel & Wire Co., Peoria, Ill.
Kokomo Fence Mach. Co. (Steel), Kokomo, Ind.
Kokomo Steel & Wire Co. ("Diamond"), Kokomo, Ind.
Mason Fence Co. ("Champion"), Lessburg, O.
Moyer Mfg. Co. (Automatic), Montevideo, Minn.
Page Steel & Wire Co., Adrian, Mich.
Pence Wm. H., Fairfield, Ia.
Portable Elevator Mfg. Co. (White Steel), Bloomington, Ill.
Rowe Mfg. Co. ("Can't Sag"), Galesburg, Ill.
St. Louis Wire & Iron Co., St. Louis, Mo.
Scranton Iron & Steel Co., 1335 Capouse av, Scranton, Pa.
Sheer E. (Self-Closing), Lincoln, Ill.
Silo Specialty Mfg. Co. (Steel), Clinton, Ia.
Spring Steel Fence & Wire Co., Anderson, Ind.
Verdeckberg Iron & Wire Works Co. (Farm Only), 1109 California, Denver, Colo.
Western Steel & Iron Works (Steel), De Pere, Wis.

5224— Gates (Folding)

Acme Fancy Wire Wks., Dept. H, Canfield & Morgan, Detroit, Mich.
American Wire & Iron Works, 323-325 N San Pedro, Los Angeles, Cal.
Anchor Post Iron Works, 50 Church, New York *See adv index at end of book*
Badger Wire & Iron Works, 25th av & Cleveland, Milwaukee, Wis.
Barnum E. T. Wire & Iron Wks., 501-23 Cass av, Detroit, Mich.
Bayer-Rothgeb Co., Slauson & Santa Fe avs, Los Angeles, Cal.
Buffalo Wire Works Co. (Collapsible), 453 Terrace, Buffalo, N. Y.
See adv index at end of book
Builders' Iron Works, 1514 E. Scotts av, Stockton, Cal.
California Artistic Metal & Wire Co., 849 7th, San Francisco, Cal.
Carriage & Toy Co. (Porch & Stair, Wood, 741 W Lombard, Baltimore, Md.
Chapman Wm. O. Co., 30 Church, New York
CINCINNATI IRON FENCE CO., 3312 Spring Grove av, Cincinnati, Ohio
See adv index at end of book
Cincinnati Mfg. Co., Cincinnati, O.
City Wire & Iron Works, 335 N San Pedro, Los Angeles, Cal.
Columbia Iron & Wire Works Co., 1006 9th S W, Canton, O.
Crown Iron Wks. Co., 1229 Tyler, Minneapolis, Minn.
Estey Bros. Co., 1006 Metropolitan, Brooklyn, N. Y.
Halsted Joseph Co., 1233 W Randolph, Chicago, Ill.
Howard & Morse, 45 Fulton, New York
Kammen Walter, 3258 Springgrove av, Cincinnati, Ohio
Kleeman L. F. Mfg. Co., 1923 Central, Kansas City, Mo.
Lasar Mfg. Co., 1313 N 16th, St. Louis, Mo.
Los Angeles Wire & Iron Works, 914 E 9th, Los Angeles, Cal.
MEYERS FRED J. MFG. CO., Hamilton, Ohio
Michel & Pfeffer Iron Works, 1417 Harrison, San Francisco, Cal.
Norfolk Iron & Wire Works, Norfolk, Va.
Perkins Mfg. Co., 1321 University av, St. Paul, Minn. *See adv index at end of book*
Pitt Wm. R. Composite Iron Works ("Pitt-Boswick"), 548 W. 27th, New York
Plocher Andrew Sons Co., Dayton, O.
Remppis W. F. Iron Works, 7th & Chestnut, Reading, Pa.
Richmond Safety Gate Co., Richmond, Ind.
Schreiber L. & Sons Co., 3869 Ivanhoe, Cincinnati, O.
Scranton Iron & Steel Co., 1335 Capouse, Scranton, Pa.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Standard Fence Co., Dept H, 60th & Lowell, Oakland, Cal.
Standard Iron & Wire Works, 510 E 10th, Chattanooga, Tenn.
STEWART IRON WORKS, INC., 287 Stewart blk, Cincinnati, Ohio
See adv index at end of book
TYLER W. S. CO. (Collapsible), Cleveland, O., & 200 5th av, New York
See adv index at end of book
Van Dorn Iron Works Co. (The), 2700 E. 79th, Cleveland, Ohio
See adv index at end of book
Verdeckberg Iron & Wire Works Co., 1109 California, Denver, Colo.
West Coast Wire & Iron Works, 861 Howard, San Francisco, Cal.
Wickwire Spencer Steel Corp. ("Excelsior"), Worcester, Mass.
See adv index at end of book
Wisconsin Iron & Wire Wks., Milwaukee, Wis.

Gates (Hatch, Automatic)

See Elevator Gates, Automatic

5225— Gates (Lock)

Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Independent Bridge Co., May bldg, Pittsburgh, Pa.
Penn Bridge Co. (Steel), Beaver Falls, Pa.
Scranton Iron & Steel Co., 1335 Capouse av, Scranton, Pa.

5226— Gates (Molasses)

Cheney S. & Son, Manlius, N. Y.
Kraft A. C., 159 W Lake, Chicago, Ill.
McNab & Harlin Mfg. Co., Paterson, N. J.
Multiplex Faucet Co. (Brass), St. Louis, Mo.
Rauch Mfg. Co., Galena, Kan.
Sargent & Co. (Oil), Water & Walce, New Haven, Conn.
Scoville E. U. Co. ("Perfection"), Manlius, N. Y.
Sommer John Faucet Co. ("Perfection"), 39 Morris av, Newark, N. J.

Stearns E. C. & Co. ("Lockfast" "Scoville's" Pattern), 450 Oneida, Syracuse, N. Y.
Syracuse Stamping Co., 422 S West, Syracuse, N. Y.
Taylor & Boggis Foundry Co. ("Stebbins"), Cleveland, O.
Weller Hardware & Foundry Co. ("Stebbins"), Horseheads, N. Y.

5227— Gates (Ore Bin)

Allis Chalmers Mfg. Co. (& Rock), Milwaukee, Wis.
See adv index at end of book
Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
Clark W. J. Co., Salem, O.
Hendy Hoshua Iron Works, 75 Fremont, San Francisco, Cal.
Hunt C. W. Co., West New Brighton, N. Y.
See adv index at end of book
KENNEDY VAN SAUN MFG. & ENG. CORP. (Self-Closing & Rack & Pinion & Rocker), 50 Church, New York
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.
Robins Conveying Belt Co., 15 Park Row, New York
See adv index at end of book
Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.
United Iron Works, Inc., Kansas City, Mo.
Worthington Pump & Machy. Corp., 115 B'way, New York

5228— Gates (Ore & Oil)

Rauch Mfg. Co. (For Mines), Galena, Kan.
Sommer John Faucet Co. ("Perfection" Oil), 355 Central av, Newark, N. J.
Worthington Pump & Machy. Corp., 115 B'way, New York

5229—Gates (Ornamental Bronze & Iron)

See also Bronze, Architectural, etc.

Also Iron, Architectural & Ornamental

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
ANCHOR POST IRON WORKS (Electric Welded Iron), 50 Church, New York
See adv index at end of book
Art Metal Construction Co. (Also Brass), Jamestown, N. Y.
Badger Wire & Iron Works, 25th av. & Cleveland, Milwaukee, Wis.
Bayer-Rothgeb Co., Slauson & Santa Fe av, Los Angeles, Cal.
Bayley Wm. Co., Springfield, O.
Biddle-Gaumer Co., 3846 Lancaster av, Philadelphia, Pa.
Bigelow Cheney Wire Works, 417 Liberty, Springfield, Mass.
Biggin Charles P. Co., 1829 Harlan, Phila., Pa.
Braun J. G., 609 S Paulina, Chicago, Ill.
BUFFALO WIRE WORKS CO., 453 Terrace, Buffalo, N. Y.
See adv index at end of book
Builders' Iron & Steel Co. (Iron Only), 25 Garvey, Boston, Mass.
Roanoke Iron & Bridge Wks, Roanoke, Va.
California Artistic Metal & Wire Co., 349 7th, San Francisco, Cal.
Chesapeake Iron Works, Westport, Baltimore, Md.
CINCINNATI IRON FENCE CO. (Iron, etc.), 3312 Spring Grove av, Cincinnati, Ohio *See adv index at end of book*
Cincinnati Mfg. Co., Cincinnati, O.
Coleman Adelbert E., 336 W 37th, Chicago, Ill.
Creswell Samuel J. Iron Works, 23d & Cherry, Phila., Pa.
Crown Iron Works Co., 1229 Tyler, Minneapolis, Minn.
Cyclone Fence Co., Waukegan, Ill.
Darby Edw. J. & Son (Iron), 319 Vine, Phila., Pa. *See adv index at end of book*
Detroit Mausoleum Equipment Works, 75 W Fort, Detroit, Mich.
Dow Co. (Collapsing), 201H N Buchanon, Louisville, Ky.
Enterprise Iron Works, Indianapolis, Ind.
Estey Bros. Co., 1006 Metropolitan av., Brooklyn, N. Y.
Ferro-Studio Inc., 228 E 150th, New York
Fiske J. W. Iron Works, 111 Park pl, New York
Flour City Ornamental Iron Co., 27th & 27th av, Minneapolis, Minn.
Gorham Co., Arch'l Bronze, 5th av & 63rd, New York. Works: Providence, R. I.
Halsted Joseph Co., 1233 W Randolph, Chicago, Ill.
Hartmann-Sanders Co., 2155 Elston av, Chicago, Ill.
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
Heath-Johnson Co., 300 W Ontario, Chicago, Ill.
Hennecke C. Co., 1353 N. Pierce, Milwaukee, Wis.
Herzog Iron Works, St. Paul, Minn.
Howard & Morse, 45 Fulton, New York
Kues Bros. Iron Works, Carter av & 175th, New York
Lafayette Fence Works, Lafayette, Ind.
Lasar Mfg. Co., 1313 N 16th, St. Louis, Mo.
Manton & Smith Co., 3333 W Grand av, Chicago, Ill.
Meyers Fred J. Mfg. Co., Hamilton, O.
Michel & Pfeffer Iron Wks., 1417 Harrison, San Francisco, Cal.
Mott J. L. Iron Works, Trenton, N. J.
Mugler's Iron Works, 796 E 133, New York
Northwest Fence & Wire Works, E 11th & Flanders, Portland, Ore.
Page Steel & Wire Co., Adrian, Mich.
Pettit Frank, 1505 N. Moscher, Philadelphia, Pa.
Pettler Wire Products Co., Beaver Falls, Pa.
Pitt Wm. R. Composite Iron Wks., 548 W. 27th, New York
Plocher Andrew Sons Co., Dayton, O.
Polachek John Bronze & Iron Co., 476H Hancock, Long Island City, N. Y.
Portage Iron & Wire Co., 1131 Johnston, Akron, Ohio
Remppis W. F. Iron Works, 7th & Chestnut, Reading, Pa.
Republic Structural Iron Works Co., 1350 E 53d, Cleveland, O.
Richey, Browne & Donald, Flushing av, Maspeth, N. Y.
Richmond Structural Steel Co., 18th & Dock, Richmond, Va.
Roanoke Iron Works, Roanoke, Va.
St. Louis Wire & Iron Co., St. Louis, Mo.
Schreiber L. & Sons Co., 3869 Ivanhoe, Cincinnati, O.
Scranton Iron & Steel Co. (Iron Only), 1335 Capouse av, Scranton, Pa.
SMITH F. P. WIRE & IRON WORKS, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Sommerville Iron & Bronze Co., 5641 Butler, Pittsburgh, Pa.
Southwest Wire & Iron Wks. Co., 1722 Tracy, Kansas City, Mo.
Stewart Iron Works Co., Inc., 238 Stewart blk, Cincinnati, O.
See adv index at end of book
Taylor & Dean, Penn av & 25th, Pittsburg, Pa.
Tiffany Studios, 361 Madison av, New York
TYLER W. S. CO., Cleveland, O. & 200 5th av, New York.
See adv index at end of book
Union Foundry Works, 38 S Dearborn, Chicago, Ill.
United Ornamental Iron Works, 189 W Madison, Chicago, Ill.
Van Dorn Iron Works Co. (The), 2700 E. 79th, Cleveland, Ohio
See adv index at end of book
Verdeckberg Iron & Wire Works Co., 1109 California, Denver, Colo.
Vilsack Martin Co., 3222 Penn av, Pittsburgh, Pa.
Wells Architectural Iron Co., River av & 151st, New York
West Coast Wire & Iron Works, 361 Howard, San Francisco, Cal.
West Side Structural Co., Troy, N. Y.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Wisconsin Iron & Wire Wks., Milwaukee, Wis.

5230-1—Gates (Railway Crossing)

See also Signals, Railway Crossing

Anchor Post Iron Works, 50 Church, New York. *See adv index at end of book*
Buda Co. (Pneumatic & Electric, Crank & Lever), Harvey, Ill.
Kalamazoo Railway Supply Co. ("Wilson"), Kalamazoo, Mich.
Keystone Steel & Wire Co., Peoria, Ill
Pneumatic Gate Co. ("Elliott" Pneumatic), 1921 S Fairfield av, Chicago, Ill.
Railroad Supply Co., 203 S Dearborn, Chicago, Ill.

Gates (Safety)

See Elevator Gates, Automatic

5232—Gates (Sewer, Back Water)

Coldwell-Wilcox Co., Newburgh, N. Y.
Edwardsville Brass Co., Edwardsville, Ill.

5233— Gates (Shear)

Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.

5234— Gates (Sluice)

AMERICAN SPIRAL PIPE WORKS, Box 485, Chicago, Ill., and 50 Church st, New York
See adv index at end of book
Bacon & Matheson Forge Co., W Lander & Whatcom, Seattle, Wash.
California Corrugated Culvert Co. ("Calco"), Berkeley & Los Angeles, Cal.
Champion Engrg. Co. ("Caterpiller"), Kenton, Ohio
Chapman Valve Mfg. Co., Indian Orchard, Mass.
Coast Culvert & Flume Co., Dept. H, Cal. blvd & Derby, Portland, Ore.
Coffin Valve Co., Neponset, Boston, Mass.
Coldwell-Wilcox Co., Newburgh, N. Y.
Columbian Iron Works ("Columbian"), 811 Boyce, Chattanooga, Tenn.
De Huff & Hopkins, Morris bldg, Philadelphia, Pa.
Fox Jno. & Co., 233 B'way, New York
Garrett W. T. & Co., 299 Fremont, San Francisco, Cal.
Hunt Rodney Mach. Co., Orange, Mass.
Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.
Pelton Water Wheel Co., 19th & Harrison, San Francisco, Cal., & 90 West, New York
Pittsburgh Valve, Foundry & Constr. Co., 26th & A. V. R. R., Pittsburgh, Pa.
Smith S. Morgan Co., P. O. Box 667, York, Pa.
Snow Mfg. Co., 2437 E 24th, Los Angeles, Cal.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
Vulcan Iron Works Co., 1400 W Colfax, Denver, Colo.

5235-6—Gates (Steel & Iron)

AM. STEEL & WIRE CO. ("American" Walk & Single), 208 S La Salle, Chicago, Ill. *See adv index at end of book*
ANCHOR POST IRON WORKS ("Anchor Post"), 50 Church, New York
See adv index at end of book
Estey Bros. Co., 270 Union av, Brooklyn, N. Y.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Michel & Pfeffer Iron Wks., 1417 Harrison, San Francisco, Cal.
Perkins Mfg. Co., University & Fairview avs, St. Paul, Minn.
See adv index at end of book
Scranton Iron & Steel Co., 1335 Capouse av, Scranton, Pa.
Standard Fence Co., 60th & Lowell, Oakland, Cal.
Stewart Iron Works Co., Inc., 238 Stewart blk, Cincinnati, O.
See adv index at end of book

Gates (Steel Picket)

See Fences, Iron & Steel Picket

5237-8—Gates (Storage Bin)

Allis-Chalmers Mfg. Co. (Ore & Rock), Milwaukee, Wis.
See adv index at end of book
Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
Hunt C. W. Co., West New Brighton, N. Y.
See adv index at end of book
Insley Mfg. Co. (Concrete), 3500 E St. Clair, Indianapolis, Ind.
Link-Belt Company, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.
Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.

Gates (Water)

See Gates, Sluice

5239 — Gates & Guards (Bronze Folding)

Burgin & Co., Inc. ("Jena"), 487 B'way, New York
Cincinnati Iron Fence Co., 3312 Spring Grove av, Cincinnati, Ohio
See adv index at end of book
Estey Bros. Co., 270 Union av, Brooklyn, N. Y.
Manton & Smith Co., 3333 W Grand av, Chicago, Ill.
Scranton Iron & Steel Co., 1335 Capouse av, Scranton, Pa.
SMITH, F. P. WIRE & IRON WORKS, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book

5239a— Gates & Railings

Am. Safety Lamp & Mine Supply Co., 1327 Capouse av, Scranton, Pa.
Anchor Post Iron Works, 50 Church, New York. *See adv index at end of book*
California Artistic Metal & Wire Co., 349H 7th, San Francisco, Cal.
Cincinnati Iron Fence Co., 3312 Spring Grove av., Cincinnati, O.
See adv index at end of book
Ferro-Studio, Inc., 228 E 150th, New York
Gorham Co., Architectural Bronze, 5th av & 36th, New York
John Polachek Bronze & Iron Co., 476H Hancock, Long Island City, N. Y.
Michel & Pfeffer Iron Wks., 1417 Harrison, San Francisco, Cal.
Scranton Iron & Steel Co., 1335 Capouse av, Scranton, Pa.
Stewart Iron Works Co., 238 Stewart blk., Cincinnati, Ohio
See adv index at end of book
Wrobbel-Maine Co. The, 3106 E 63rd, Cleveland, Ohio

5240—Gauge Glass Preservers

Morse R. F. ("Gilbert's" Self Packing), 86 Weybosset, Providence, R. I.

5241—Gauge Glass Protectors

Handlan-Buck Mfg. Co. (Locomotive), 210 N. 3rd, St. Louis, Mo.
Huyette Paul B. Co. ("P. B. H."), 5H S. 18th, Phila., Pa.
Sargent Co. ("Ironclad"), 625 W Jackson blvd, Chicago, Ill.

5242—Gauge Glass Reflectors

5243— Gauge Glass Washers

Boston Belting Corp., 84 Linden Park, Boston, Mass.
Canfield H. O. Co., 191 Housatonic, Bridgeport, Conn.
Cigol-Behrens Rubber Co., Lodi, N. J.
Cincinnati Rubber Mfg. Co., Norwood, Cincinnati, Ohio
Darcoid Company, 1780 B'way, New York
See adv index at end of book
Durabla Mfg. Co. ("Durabla"), 114 Liberty, New York
Empire Tire & Rubber Corp., Trenton, N. J.
Gilbert & Co., Hyattsville, Md.
Goodrich B F. Co., Akron, O.
Gutta Percha & Rubber Mfg. Co., 350 Madison av, New York
Home Rubber Co. Trenton, N. J.
Jenkins Bros., 80 White, New York
See adv index at end of book
Judd & Leland Mfg. Co., Clifton Springs, N. Y.
National India Rubber Co., Bristol, R. I.
N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
New York Belting & Packing Co., 91 Chambers, New York
Pennsylvania Rubber Co., Jeannette, Pa.
Phoenix Spec. Mfg. Co., Inc. (All Kinds), 48 Duane, New York
Quaker City Rubber Co. (Rubber), 672 Market, Phila, Pa.
See adv index at end of book
Revere Rubber Co., Chelsea, Mass.
Schacht Rubber Mfg. Co., Huntington, Ind.
U. S. Rubber Co., 1790 Broadway, New York
See adv index at end of book
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
Whitehead Bros. Rubber Co., Trenton, N. J.

5244— Gauge Glasses

Advance Packing & Supply Co. ("Firma" & "Heatherbrand" Imported Scotch Glass Tubes & Cup Glasses), 808 W Washington, Chicago, Ill.
Bache, Semon & Co. (Impr, "Maltese Cross," "Eureka" Scotch), 636 Greenwich, New York
Beaton & Cadwell Mfg. Co. ("Perfection" High & Low Pressure), New Britain, Conn.
Belfield H. Co. (Sterling Scotch Tubes), 435 N Broad, Phila., Pa.
Bethlehem Shipbuilding Corp., Ltd. (& Fittings), Dept. H, Broadhead & Parker av, Bethlehem, Pa.
Breakey L. I. (Fittings), 712 W State, Marshall, Mich.
Buckeye Iron & Brass Works (Scotch), Dayton, O.
Chesterton A. W. Co. ("Sonderglass High Pressure Rhenog McGreggor), 64 India, Boston, Mass.
Corning Glass Works ("Nonex" Headlight Front Gauge & Colored Standard Signal Glasses), Dept H, Corning, N. Y.
Crane Co., 836 S. Michigan av, Chicago, Ill. *See adv index at end of book*
Darcoid Company ("Darcoid," "Dominion"), 1780 B'way, New York
See adv index at end of book
Dayton Lens & Glass Beveling Works, 612-14H Washington, Dayton, O.
Detroit Lubricator Co. ("Detroit," "Genuine Detroit"), 5933 Trumbull, Detroit, Mich.
Diamond Specialty Supply Co. ("Diamond," "Diamond Special," "Genuine Scotch Eureka"), 15 N 6th, Phila., Pa.
Durabla Mfg. Co. ("Durabla"), 114 Liberty, New York
Friedrich & Dimmock, Millville, N. J.
JERGUSON GAGE & VALVE CO. (Importers, "Jerguson," "Reflex" & "Klinger"), Mystic av & Fellsway, Somerville, Mass.
Keckley O. C. Co. ("Thurmo" H. P.), 318 Washington, Chicago, Ill.
McRae & Roberts Co., 100 So. Campbell av, Detroit, Mich.
Macbeth-Evans Glass Co., Pittsburgh, Pa.
Magee Steam Specialty Corp., 50 Vesey, New York
Mikesell Bros. Co., Wabash, Ind.
See adv index at end of book
Pneumercator Co., 40 Flatbush av extension, Brooklyn, N. Y.
Powell Wm. Co., 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Roberts Brass Mfg. Co. (Imp.), 5435 W Fort, Detroit, Mich.
Rogers H. A. Co. ("Moncrieff," "Perth," "Unific," "Red Line," "Scotch," "Reflex," "Prismatic," "Beacon Red") 87 Walker, New York
Schlangen Bros. Co. (High & Low Pressure), 2435 Irving Park blvd, Chicago, Ill.
Star Brass Mfg. Co. (Scotch Gauge Glasses), 53 Oliver, Boston, Mass
Strong Machinery & Supply Co. ("Ironclad H. P."), 292-294 Church, New York
See adv index at end of book
United States Asbestos Co. of Ill. ("Clydesdale," "Duraco"), 619-629 Washington blvd., Chicago, Ill.
Western Packing & Supply Co., 233 N Wells, Chicago, Ill.
See adv index at end of book
Wiltbonco Mfg. Co., 24 Porter, Boston, Mass.

5245—Gauge Testing Apparatus

American Schaeffer & Budenberg Corp., Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book
FOXBORO COMPANY, THE ("Foxboro"), Foxboro, Mass.
Sec adv index at end of book
Pneumercator Co., 40 Flatbush av Extension. Brooklyn, N. Y.
Popkin Bros., Inc., 267-71 Wyckoff, Brooklyn, N. Y.
Queen-Gray, 64-70H W Johnson, Phila., Pa
United States Gauge Co., 44 Beaver, New York *See adv index at end of book*
Weldcraft Equipment Co., 2501 Penn av, Pittsburgh, Pa.

5246— Gauges

See also Specific Article Required

American Schaeffer & Budenberg Corp., Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book
Ashton Valve Co., 161H First, Cambridge, Mass.
Cedar Tool & Gage Corp. (Special), 1862 State, Bridgeport, Conn.
Colonial Supply Co. (All Kinds), 217 Water, Pittsburgh, Pa.
See adv index at end of book
Corning Glass Works ("Nonex" Headlight Front Garage & Colored Standard Signal Glasses), Dept H, Corning, N. Y.
Crane Co (Est. 1855), 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
Dayton Lens & Glass Bevelling Wks., 612-614 Washington, Dayton, O.
Diamond Specialty & Supply Co. ("Diamond"), 1225 Arch, Phila., Pa.
Dominion Asbestos & Rubber Corp. ("Darcoid," "Dominion"), 154 Nassau, New York
See adv index at end of book
Esterline-Angus Co., Speedway City, Indianapolis, Ind.
Federal Gauge Co., 564 W Adams, Chicago, Ill.
Hill Pump Valve Co. ("Hill") Archer av, Canal & 23d, Chicago, Ill.
JERGUSON GAGE & VALVE CO. ("Reflex," "Klinger," "Jerguson"), Mystic av & Fellsway, Somerville, Mass.
Keating E. F. Co. ("Montrose"), 446 Water, New York
Liberty & Instrument Co., 6545 Carnegie av., Cleveland, Ohio
Lonergan J. E. Co. ("Thistle"), 211 Race, Phila., Pa.
Lovell F. H. & Co. ("Bishop's"), Arlington, N. J.
MAGEE STEAM SPECIALTY CORP., 136 Reekman New York
Michigan Machine Co., 55 Porter, Detroit, Mich
National Gauge & Equipment Co., La Crosse, Wis.
Popkin Bros., Inc., 267-71 Wyckoff, Brooklyn, N. Y
Rogers John M. Works ("Rogers") Gloucester City, N. J.
Simplex Valve & Meter Co. (Stand Pipe), 5718 Race, Phila., Pa.
Stanley Rule & Level Plant, New Britain, Conn.
Syracuse Twist Drill Co. ("Syracuse"), 936H Grape, Syracuse, N. Y.
U. S. Gauge Co., 44 Beaver, New York
See adv index at end of book
WESTCOTT RULE CO. INC. (Wooden for Measuring Gasoline & Fuel Oils), Seneca Falls, N. Y.
See adv index at end of book

5246a— Gauges (Acetylene)

National Gauge & Equipment Co., La Cross, Wis.
UNITED STATES GAUGE CO. (oxy-welding. The standard for accuracy and service), 44 Beaver, New York
See adv index at end of book

5246b—Gauges (Aeroplane)

Boston Auto Gage Co. ("Triumph Jr.," "Triumph," "Challenge," "Triumph II," Full Level), 8 Waltham, Boston, Mass.
Foxboro Co. (The), ("Foxboro"), Foxboro, Mass. *See adv index at end of book*
National Gauge & Equipment Co., La Crosse, Wis.
U. S. Gauge Co., 44 Beaver, New York
See adv index at end of book

5247— Gauges (Air)

American Schaeffer & Budenberg Corp., Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book
Brown Instrument Co., 4522 Wayne av, Phila, Pa.
Cleveland Steam Gauge Co., 1108 W 9th, Cleveland, Ohio
Esterline-Angus Co., Speedway City, Indianapolis, Ind.
Garrison Brass & Machine Works, 107 W 13th, New York
MANNING, MAXWELL & MOORE, INC. (Ashcraft Mfg. Co. Div.), 100 E 42nd, New York *See adv index at end of book*
Marsh Jas. P. & Co., 118 S Clinton, Chicago, Ill.
National Gauge & Equipment Co. ("National," "Independent"), La Crosse, Wis.
Paxson J. W. Co. (Cupola), Nicetown-Lane & D), Philadelphia, Pa.
Pierce, Butler & Pierce Mfg. Corp., 437 E 162nd, New York
Pittsburgh Gage & Supply Co. ("Pittsburgh"), 30th & Liberty av, Pittsburgh, Pa.
Popkin Bros. Co., Inc. 267-71 Wyckoff, Brooklyn, N. Y.
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.
U. S. GAUGE CO. (You may need an accurate balloon tire pressure gauge—"We Make Them"), 44 Beaver, New York
See adv index at end of book

Gauges (Air Brake)

See Gauges, Steam

5248— Gauges (Alarm)

American Schaeffer & Budenberg Corp., Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book
Ashton Valve Co., 161 First, Cambridge, Mass.
BRISTOL CO. ("Bristol's Recording & Alarm), Waterbury, Conn., & 114 Liberty, New York
See adv index at end of book
Brown Instrument Co., 4522 Wayne av, Phila., Pa.
FOXBORO COMPANY, THE ("Foxboro"), Foxboro, Mass.
See adv index at end of book
Marsh Jas. P. & Co., 118 S Clinton, Chicago, Ill.
Pneumercator Co., 40 Flatbush av extension, Brooklyn, N. Y.
N. Y.
Popkin Bros. Co., Inc., 267-71 Wyckoff, Brooklyn, N. Y.
Star Brass Mfg. Co. ("Star), 53 Oliver, Boston, Mass.
U. S. Gauge Co. (Note Our Well Balanced Design), 44 Beaver, New York
See adv index at end of book

5248a— Gauges (Altitude)

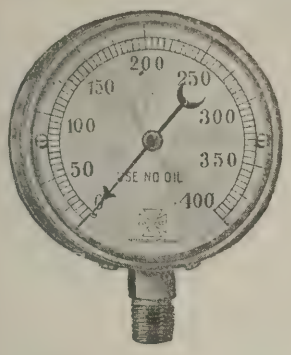
See also Gauges, Steam

American Schaeffer & Budenberg Corp., Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book
Crane Co., 836 S. Michigan av, Chicago, Ill.
See adv index at end of book
Crosby Steam Gage & Valve Co. ("Crosby") 40 Central Boston Mass
MANNING, MAXWELL & MOORE, INC., (Ashcroft Mfg. Co. Div.), 100 E 42nd, New York *See adv index at end of book*
National Gauge & Equipment Co., La Crosse, Wis.
PIERCE BUTLER & PIERCE MFG. CO., 41 E 42nd, New York
lyn, N. Y.
Popkin Bros. Co., Inc., 267-71 Wyckoff, Brooklyn, N. Y.
Simplex Valve & Meter Co., 5718 Race, Phila., Pa.
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.
Taylor Instrument Co., 95 Ames, Rochester, N. Y.
U. S. GAUGE CO. (We Make the Most Modern & Rugged Design), 44 Beaver, New York
See adv index at end of book

5248b— Gauges (Ammonia)

See also Gauges, Steam

Crane Co., 836 S. Michigan av, Chicago, Ill.
See adv index at end of book
Crosby Steam Gage & Valve Co., ("Crosby") 40 Central, Boston, Mass.
MANNING, MAXWELL & MOORE, INC., (Ashcroft Mfg. Co. Div.), 100 E 42nd, New York *See adv index at end of book*
Marsh Jas. & Co. (Steel Tube), 120 S Clinton, Chicago, Ill.
NASON MFG. CO. (Automatic Liquid, All Iron, for ammonia and chemicals), 71 Fulton, New York
See adv index at end of book



U. S. STANDARD

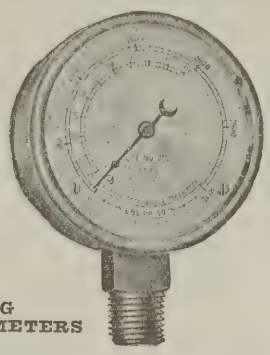
PRESSURE **GAUGES** VACUUM

INDICATING AND RECORDING

AIR, TEST, OXYGEN, VACUUM, SPRAYER, PRESSURE, RECORDING, AIR BRAKE, AUTOMOBILE, FIRE ENGINE, FARM ENGINE

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See adv index at end of book

5248c—Gauges (Amplifying)

Davie Tool Co., 1660 E 118th, Cleveland, O.

5249-50-51-52—Gauges (Automobile)

See also Gauges, Air

Ames B. C. Co., ("Ames" Dial Cylinder), North Station, Waltham, Mass.
See adv index at end of book

Boston Auto Gage Co., ("Triumph," "Triumph Jr.," "Challenge," "Triumph II," Fuel Level), 8 Waltham, Boston, Mass.

FOXBORO COMPANY, THE ("Foxboro"), Foxboro, Mass.
See adv index at end of book

Gem Stamped Steel Co. ("Gem"), Chelsea, Mass.

Improved Gauge Mfg. Co. ("Pressurite"), 105 Canal, Syracuse, N. Y

Marsh Jas. P & Co., 120 S Clinton, Chicago, Ill.

National Gauge & Equipment Co. ("Independent"), La Crosse, Wis.

Popkin Bros., Inc., 267-71 Wyckoff, Brooklyn, N. Y. *See adv index at end of book*

Rochester Mfg. Co., 891 Halstead, Rochester, N. Y.

Rochester Tool & Gage Co., 2040 East av, Rochester, N. Y.

Star Brass Mfg. Co. ("Star"), Pressure for Steam Cars), 53 Oliver, Boston, Mass.

U. S. GAUGE CO. (We Make All Types), 44 Beaver, New York
See adv index at end of book

Westcott Rule Co. Inc. (Wooden), Seneca Falls, N. Y.
See adv index at end of book

Gauges (Bar Iron Limit)

See Gauges, Limit

Gauges (Battery)

See Ammeters & Voltmeters

5253— Gauges (Bit, Auger)

Cincinnati Tool Co. ("Hargrave"), Main & Waverly av, Cincinnati, Ohio

Millers Falls Co., Dept. H, Millers Falls, Mass.

Stanley Rule & Level Co., New Britain, Conn.

Syracuse Twist Drill Co., ("Syracuse"), Borden av, Syracuse, N. Y.

Gauges (Blast)

See Gauges, Steam

5254—Gauges (Blood Pressure)

Tagliabue C. J. Mfg. Co., 18 33rd, Brooklyn, N. Y.

Taylor Instrument Companies ("Tycos"), Rochester, N. Y.

Williams Brown & Earle, 916 Chestnut, Phila., Pa.

Gauges (Boiler Plate)

See Gauges, Rolling Mill

Gauges (Bourdon Pressure)

See Gauges, Steam

5254a— Gauges (Built Up)

Nelson Tool Co., Inc., 732 E. 142nd, New York

Precision Engineering Co., Jamestown, N. Y.

5255— Gauges (Butt)

Goodell-Pratt Co. (Comb.), Greenfield Mass.

Stanley Rule & Level Co. (Metallic), New Britain, Conn.

Williams William Jr. ("Reeves"), New Britain, Conn.

5256— Gauges (Button)

Starrett L. S. Co., Athol, Mass.

5257—Gauges (Cabinet Makers')

Redin, Ekstrom & Co., Rockford, Ill.
See adv index at end of book

5257a—Gauges (Caisson Pressure)

Ashton Valve Co., 161 1st, Boston, Mass.

5258— Gauges (Caliper)

Brown & Sharpe Mfg. Co., Providence, R. I.

Capitol Brass Works, 2306 Franklin, Detroit, Mich.

Dyer Co., 155 Brookline, Cambridge, Mass.

Ibsen & Co., 404 Keefe av, Milwaukee, Wis.

Morse Twist Drill & Machine Co. ("Morse" Adjustable), New Bedford, Mass.

Rogers Jno. M. Wks., Gloucester City, N. J.

Sandow Tool Co., 570 W B'way, New York

Sawyer Tool Mfg. Co., Ashburnham, Mass.

Starrett L. S. Co., Athol, Mass.

Williams J. H. & Co. ("Vulcan" Drop Forged, Unfinished), 31 Richards, Brooklyn, N. Y.

5259— Gauges (Carpenters')

Caldwell Mfg. Co. ("Handy" Rule Gauge), 8 Jones, Rochester, N. Y.

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Sandusky Tool Co., Sandusky, O.

Stanley Rule & Level Plant, New Britain, Conn.

Winsted Edge Tool Works, Winsted, Conn.

5260— Gauges (Center)

Athol Mach. & Foundry Co., Athol, Mass.

Brown & Sharpe Mfg. Co., Providence, R. I.

Disston Henry & Sons, Tacony, Phila., Pa.

Goodell-Pratt Co., Greenfield, Mass.

Lufkin Rule Co., Saginaw, Mich.

Sawyer Tool Mfg. Co., Ashburnham, Mass.

Starrett L. S. Co., Athol, Mass.

5261— Gauges (Chamferer)

Adell Mfg. Co., Orange, Mass.

Bullock Mfg. Associates, Springfield, Mass.

Goodell-Pratt Co., Greenfield, Mass.

Swan James Co. ("Swan's" Drawing Knife), Seymour, Conn.

5262— Gauges (Chemical

American Schaeffer & Budenberg Corp., Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book

Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.

Pierce Butler & Pierce Mfg. Corp., 437 East 162nd, New York City

5263—Gauges (Circumference)

Pratt & Whitney Co. (Car Wheel), Hartford, Conn.
See adv index at end of book

Starrett L. S. Co., Athol, Mass.

5264— Gauges (Clapboard)

Stanley Rule & Level Plant, New Britain, Conn.

Stearns E. C. & Co., 450 Oneida, Syracuse, N. Y.

5265—Gauges (Combination, Recording Pressure & Vacuum)

BRISTOL CO. ("Bristol's"), **Waterbury, Conn.** *See adv index at end of book*

Brown Instrument Co., 4522 Wayne av, Philadelphia, Pa.

FOXBORO COMPANY, THE ("Foxboro"), Foxboro, Mass.
See adv index at end of book

National Gauge Co., ("National") **300H Pacific, Brooklyn, N. Y.**

Popkin Bros. Co., Inc., 267-71 Wyckoff, Brooklyn, N. Y.

U. S. Gauge Co., 44 Beaver, New York
See adv index at end of book

5266—Gauges (Combination, Water Pressure)

AMERICAN SCHAEFFER & BUDENBERG CORP., Berry & S 5th, Brooklyn, N. Y. *See adv index at end of book*

Brown Instrument Co., 4522 Wayne av, Philadelphia, Pa.

FOXBORO COMPANY, THE ("Foxboro"), Foxboro, Mass.
See adv index at end of book

Marsh Jas. P. & Co., 120 S Clinton, Chicago, Ill.

National Gauge Co., ("National"), **300H Pacific, Brooklyn, N. Y.**

Popkin Bros. Co., Inc., 267-71 Wyckoff, Brooklyn, N. Y.

U. S. Gauge Co., 44 Beaver, New York
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5267—Gauges (Compound, Pressure & Vacuum)

AMERICAN SCHAEFFER & BUDENBERG CORP., Berry & S 5th, Brooklyn, N. Y. *See adv index at end of book*

Brown Instrument Co., 4522 Wayne av, Philadelphia, Pa.

DUNHAM C. A. CO., 230 E Ohio, Chicago
See adv index at end of book

FOXBORO COMPANY, THE ("Foxboro"), Foxboro, Mass.
See adv index at end of book

MANNING, MAXWELL & MOORE, INC. (Ashcroft Mfg. Co. Div.), 100 E. 42nd, New York *See adv index at end of book*

National Gauge & Equipment Co. ("Independent," "Indian Head"), La Crosse, Wis.

National Gauge Co., ("National"), **300H Pacific, Brooklyn, N. Y.**

Popkin Bros. Co., Inc., 267-71 Wyckoff, **Brooklyn, N. Y.**

U. S. GAUGE CO., 44 Beaver, New York
See adv index at end of book

5268—Gauges (Compression)

FOXBORO COMPANY, THE ("Foxboro"), Foxboro, Mass.
See adv index at end of book

U. S. Gauge Co., 44 Beaver, New York
See adv index at end of book

5269— Gauges (Cutting)

Chapin-Stephens Co., Pine Meadow, Conn.

Stanley Rule & Level Co., New Britain, Conn.

5270— Gauges (Cylinder)

Ames B. C. Co., North Station, Waltham, Mass. *See adv index at end of book*
Austin & Smith Co., 164 Brewery, New Haven, Conn.
See adv index at end of book
Edelmann E & Co., (Compression), 2638 N Crawford av, Chicago, Ill.
Engineering Specialties Co. ("Microgage"), 3024 W Fort, Detroit, Mich.
Federal Products Corp., 393 Harris, Providence, R. I.
Foxboro Co. (Compression), Foxboro, Mass.
See adv index at end of book
Greenfield Tap & Die Corp. ("G. T. D." for Threads), Greenfield, Mass.
Grimes, P. L., Milford Conn.
Mallometer Co., 1093 Jefferson av, E Detroit, Mich.
United States Gauge Co. (Compression), 44 Beaver, New York
See adv index at end of book

5271-2— Gauges (Decimal)

Ampco Twist Drill & Tool Co., 18th & Howard, Detroit, Mich.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book

5273—Gauges (Depth & Surface)

Ames B. C. Co., ("Ames"), North Station, Waltham, Mass.
See adv index at end of book
Athol Mach. & Foundry Co. (graduated), Athol, Mass.
Atlas Tool Works, 488 John, Bridgeport, Conn.
Brown & Sharpe Mfg. Co., Providence, R. I.
Goodell-Pratt Co., Greenfield, Mass.
Lucas Charles H., 158 Alder, Waltham, Mass.
Lufkin Rule Co., Saginaw, Mich.
Mallometer Co., 1093 Jefferson av, E. Detroit, Mich.
Marvin W. B. Mfg. Co. ("Marvin"), Urbana, Ohio
Reid Bros. Co., Beverly, Mass.
Sandow Tool Co., 396 B'way, New York
Sawyer Tool Mfg. Co., Ashburnham, Mass.
Slocomb J. T. Co., 35 Oxford, Providence, R. I.
Swan James Co., Seymour, Conn.
Waltham Micrometer Dial Gauge Co. ("Randall & Stickney" Dial Depth), 248 Ash, Waltham, Mass.

5273a— Gauges (Dial)

Ames B. C. Co., ("Ames"), North Station, Waltham, Mass.
See adv index at end of book
Atlas Indicator Works ("Atlas Junior"), 160 N. Wells, Chicago, Ill.
Lucas, Charles H., 158 Alder, Waltham, Mass.
Starrett L. S. Co., Athol, Mass.
Waltham Dial Gauge Co., 85 Myrtle, Waltham, Mass.
Waltham Micrometer Dial Gauge Co. ("Randall & Stickney" for Indicating Thickness & Variations), 248 Ash, Waltham, Mass.

5274—Gauges (Differential Recording)

FOXBORO COMPANY, THE ("Foxboro"), Foxboro, Mass.
See adv index at end of book
Simplex Valve & Meter Co., 5718 Race, Phila., Pa.

5275— Gauges (Draft)

American Schaeffer & Budenberg Corp. ("Redline" Differential U Tube), Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book
Bachrach Industrial Instrument Co., H. Murtland & Bennett, Pittsburgh, Pa.
Braun-Knecht-Heimann Co. (Differential), 576-584 Mission, San Francisco, Cal.
Brown Instrument Co., 4522 Wayne av, Philadelphia, Pa.
Defender Automatic Regulator Co., Howard bldg, St. Louis, Mo.
Ellison Lewis M. ("Ellison," Differential), 214 W Kenzie, Chicago, Ill.
FOXBORO COMPANY, THE ("Foxboro"), Foxboro, Mass.
See adv index at end of book
Huyette Paul B. Co. (Differential), 5H S. 18th, Phila., Pa.
McNab Co. ("McNab" Steamship), Bridgeport, Conn.
Moeller A. E., 261 Sumpter, Brooklyn, N. Y.
National Gauge Co., 300 Pacific, Brooklyn, N. Y.
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Precision Thermometer & Instrument Co., 1435 Brandywine, Philadelphia, Pa.
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.
Tagliabue Chas. J. Mfg. Co. (Syphon, also Pressure), 18 33d, Brooklyn, N. Y.
Taylor Instrument Companies ("Tycos," Rochester, N. Y.
Uehling Instrument Co., 473 Getty av, Paterson, N. J.

5276— Gauges (Draft, Recording)

AMERICAN SCHAEFFER & BUDENBERG CORP., Berry & S 5th, Brooklyn, N. Y. *See adv index at end of book*
BRISTOL CO. ("Bristol's"), Waterbury, Conn. *See adv index at end of book*
Brown Instrument Co., 4522 Wayne av, Philadelphia, Pa.
FOXBORO COMPANY, THE ("Foxboro" Draft Triplex), Foxboro, Mass.
See adv index at end of book
Huyette Paul B. Co. ("Hays"), 5H S. 18th, Phila., Pa.

5276a— *Gauges (Draw)

Osborne C. S. Co. (Leather Cutting), Box 183, Newark, N. J.
See adv index at end of book

5277-8— Gauges (Drill)

Ampco Twist Drill & Tool Co., 18th & Howard, Detroit, Mich.
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O.
See adv index at end of book
Detroit Twist Drill Co., 555 Fort, Detroit, Mich.
Standard Tool Co., 6700 Central av, Cleveland, O.
Starrett L. S. Co., Athol, Mass.
Union Twist Drill Co., Athol, Mass.

5278a—Gauges (Duplex, Air Brake)

Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
MANNING, MAXWELL & MOORE, INC., (Ashcroft Mfg. Co. Div.), 100 E. 42nd, New York *See adv index at end of book*
U. S. Gauge Co. (Made for Transit and Railway Equipment), 44 Beaver, New York
See adv index at end of book

Gauges (Dynamo & Motor Oil)

See Gauges, Oil

5279—*Gauges (Electrically Operated)

CUTLER-HAMMER MFG. CO., 12th & Paul av, Milwaukee, Wis.
See adv index at end of book

5280—Gauges (Expansion Tank)

Buckeye Iron & Brass Works, 322 E 3rd, Dayton, Ohio
See adv index at end of book
Detroit Brass & Malleable Works, 117 Holden, Detroit, Mich.
Kelly & Jones Co., The, Greensburg, Pa.
See adv index at end of book
McRae & Roberts Co., 100 So. Campbell av, Detroit, Mich.
Ohio Injector Co., Wadsworth, O.
Powell Wm. Co., 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book

5281-2— Gauges (Farm Engine)

American Schaeffer & Budenberg Corp., Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
U. S. Gauge Co. (We Make A Specially Designed Gauge to Withstand the Continuous Vibration. Write for Data), 44 Beaver, New York
See adv index at end of book

5283—Gauges (Flange Thickness)

Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book

Gauges (Gas)

See Gauges, Gas Retort

5284—Gauges (Gas Recording Pressure)

American Meter Co. ("Kings"), 17th & Clearfield, Philadelphia, Pa.
American Schaeffer & Budenberg Corp., Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book
Bachrach Industrial Instrument Co., H. Murtland & Bennett, Pittsburgh, Pa.
BRISTOL CO. ("Bristol's"), Waterbury, Conn. *See adv index at end of book*
Brown Instrument Co., 4522 Wayne av, Philadelphia, Pa.
Continental Supply Co., Post-Dispatch bldg, St. Louis, Mo.
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
FOXBORO COMPANY, THE ("Foxboro"), Foxboro, Mass.
See adv index at end of book
Marsh Jas. P. & Co., 118 S Clinton, Chicago, Ill.
National Gauge Co., 300 Pacific, Brooklyn, N. Y.
Phoenix Meter Co., Camden, N. J.
Pittsburgh Gage & Supply Co., 30th & Liberty av, Pittsburgh, Pa.
Pittsburgh Meter Co. (Pressure & Volume), East Pittsburgh, Pa.
Precision Scientific Co., 820-22 So. Tripp av, Chicago, Ill.
Taylor Instrument Companies ("Tycos"), Rochester, N. Y.
Uehling Instrument Co., 71 B'way, New York
U. S. Gauge Co., 44 Beaver, New York
See adv index at end of book

5285—Gauges (Gas Recording Pressure Portable)

Brown Instrument Co., 4522 Wayne av, Philadelphia, Pa.
FOXBORO COMPANY, THE ("Foxboro"), Foxboro, Mass.
See adv index at end of book

5286— *Gauges (Gas Retort)

See also Pyrometers

American Schaeffer & Budenberg Corp., Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book

Gauges (Gasoline)

See Indicators, Fuel Level

5287-8— Gauges (Height)

Brown & Sharpe Mfg. Co., Providence, R. I.
Starrett L. S. Co., Athol, Mass.

Gauges (Hinge)

See Gauges, Butt

5288a— Gauges Hydraulic

AMERICAN SCHAEFFER & BUDENBERG CORP., Berry & S 5th, Brooklyn, N. Y. *See adv index at end of book*
CRANE CO., 836 S. Michigan av, Chicago, Ill. *See adv index at end of book*
Crosby Steam Gage & Valve Co., ("Crosby"), 40 Central, Boston, Mass.
HYDRAULIC PRESS MFG. CO. ("H. P. M."), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book
MANNING, MAXWELL & MOORE, INC., (Ashcroft Mfg. Co. Div.), 100 E 42nd, New York *See adv index at end of book*
Marsh Jas. P. & Co., (Steel Tube For High Pressure), 120 So. Clinton, Chicago, Ill.
National Gauge Co., ("National"), 300H Pacific, Brooklyn, N. Y.
Pierce, Butler & Pierce Mfg. Corp., 437 East 162nd, New York City
Popkin Bros. Co., Inc., 267-71 Wyckoff, Brooklyn, N. Y.
SIMPLEX VALVE & METER CO., 5718 Race, Philadelphia, Pa.
U. S. GAUGE CO. (Bourdon Tube Spring. Made of a Specially Treated Steel to Insure Long Life in Service), 44 Beaver, New York
See adv index at end of book

5289—Gauges (Hydraulic Recording)

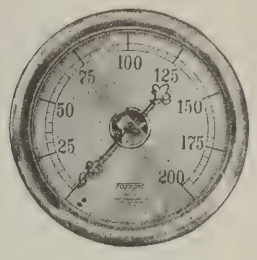
See also Gauges, Water

American Schaeffer & Budenberg Corp., Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book
Ashton Valve Co. (Wheel Press), 161 1st, Boston, Mass.
BRISTOL CO. ("Bristol's"), Waterbury, Conn. *See adv index at end of book*
Brown Instrument Co., 4522 Wayne av, Philadelphia, Pa.
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See adv index at end of book

Hydraulic Press Mfg. Co., ("H P M"), 24 Lincoln av, Mount Gilead, Ohio
See adv index at end of book

Popkin Bros. Co., Inc., 267-71 Wyckoff, Brooklyn, N. Y.

SIMPLEX VALVE & METER CO., 5718 Race, Philadelphia, Pa.

Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.

U. S. Gauge Co., 44 Beaver, New York
See adv index at end of book

5290—Gauges (Illuminated Dial)

American Schaeffer & Budenberg Corp., Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book

Brown Instrument Co., 4522 Wayne av, Philadelphia, Pa.

U. S. Gauge Co. (A Guarantee of Accurate Steam Pressure Readings in Dark Boiler Rooms), 44 Beaver, New York
See adv index at end of book

5291—Gauges (Indicating & Recording Combined)

Brown Instrument Co., 4522 Wayne av, Philadelphia, Pa.

Simplex Valve & Meter Co., 5718 Race, Phila., Pa.

5292— Gauges (Inspectors')

American Schaeffer & Budenberg Corp. Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book

Excelsior Tool & Gauge Co., 1535 Temple av, Detroit, Mich.

FOXBORO COMPANY, THE ("Foxboro"), Foxboro, Mass.
See adv index at end of book

Greenfield Tap & Die Corp. ("G. T. D." for Threads Cylindrical), Greenfield, Mass.

MANNING, MAXWELL & MOORE, INC., (Ashcroft Mfg. Co., Div.) (Test), 100 E 42nd, New York
See adv index at end of book

Pierce, Butler & Pierce Mfg. Corp., 437 East 162nd, New York City

Starrett L. S. Co., (for steel plates), Athol Mass.

U. S. Gauge Co., 44 Beaver, New York
See adv index at end of book

5293— Gauges (Iron Plane)

Goodell-Pratt Co., Greenfield, Mass.

Stearns E. C. & Co., 450 Oneida, Syracuse, N. Y.

5294— Gauges (Jewel)

Lucas, Charles H., 158 Alder, Waltham, Mass.

Wennstrom's John Sons Co. (For Jewel Holes), Suffern, N. Y.

5295— Gauges (Jointer)

Millers Falls Co. ("Perfection"), 28 Warren, New York. Works: Millers Falls, Mass.

Stanley Rule & Level Plant, New Britain, Conn.

5296— Gauges (Leather)

Emrich Phil. (Sole Leather), 824 Main, Cincinnati, O.

Snell & Atherton, Brockton, Mass.

Turner Tanning Machinery Co. ("Turner"), Peabody, Mass.

5297— Gauges (Limit)

Atlas Ball Co. (Internal Ball-Plug), N. American & Glenwood, Phila., Pa.

Brown & Sharpe Mfg. Co., Providence, R. I.

Greenfield Tap & Die Corp. ("G. T. D." for Thread Cylindrical), Greenfield, Mass.

Ibsen & Co., 404 Keefe av, Milwaukee, Wis.

Mailometer Co., 3455 Jefferson av, Detroit, Mich.

PRATT & WHITNEY CO. ("Trusform," Adjustable), Hartford, Conn.
See adv index at end of book

Precision Engineering Co., Jamestown, N. Y.

Rogers Jno. M. Works, Gloucester City, N. J.

Service Tool, Die & Mfg. Co., 2256 Walnut, Chicago, Ill.

Taft-Peirce Mfg. Co. (Adjustable), Woonsocket, R. I.

Williams, J. H. & Co. (Drop Forged), 400 Vulcan, Buffalo, N. Y.

Gauges (Liquid Micrometer)

See Gauges Micrometer

5297a—*Gauges (Liquid Level)

Bristol Co. ("Bristol's Recording"), Waterbury, Conn.
See adv index at end of book

Pneumercator Co., 40 Flatbush av extension, Brooklyn, N. Y.

5297b— Gauges (Locomotive)

See also Gauges, Steam

American Schaeffer & Budenberg Corp., Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book

Crosby Steam Gage & Valve Co., ("Crosby"), 40 Central, Boston, Mass.

MANNING, MAXWELL & MOORE, INC., (Ashcroft Mfg. Co. Div.), (Steam), 100 E 42nd, New York
See adv index at end of book

Nathan Mfg. Co., 416 E 106th, New York

National Gauge Co., ("National"), 300H Pacific, Brooklyn, N. Y.

Pierce, Butler & Pierce Mfg. Corp., 437 East 162nd, New York City

Popkin Bros. Inc., 267-71 Wyckoff, Brooklyn, N. Y.

Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.

U. S. Gauge Co. (Made of the Best Materials and Highest Quality Workmanship), 44 Beaver, New York
See adv index at end of book

5298—Gauges (Loss of Head Recording)

Builders Iron Foundry ("Venturi"), 9 Codding, Providence, R. I.

Foxboro Co., The, Foxboro, Mass.
See adv index at end of book

SIMPLE VALVE & METER CO., 5718 Race, Philadelphia, Pa.

5299— Gauges (Lumber)

Cleveland Rule Co., 2190 W 59th, Cleveland, O.

Filer & Stowell Co., Milwaukee, Wis.

Lufkin Rule Co., Saginaw, Mich.

5300—Gauges (Marking & Scratch)

Chapin-Stephens Co., Pine Meadow, Conn.

Disston Henry & Sons, Tacony, Phila., Pa.

Goodell-Pratt Co., Greenfield, Mass.

Johnson E. P. Rule Mfg. Co. ("Johnson" Adjustable Double Screw), 565 Washington blvd, Chicago, Ill.

Leavitt Machine Co. ("Barrett" Roller), Orange, Mass.

Mack & Co. ("D. R. Barton"), Rochester, N. Y.

Nicholls Mfg. Co. ("Nicholls" Sawtooth, Wheel Roller Marking & Mortise Gauge), Ottumwa, Ia.

Sawyer Tool Mfg. Co., Ashburnham, Mass.

Stanley Rule & Level Plant, New Britain, Conn.

Starrett L. S. Co. (The), Athol Mass.

Stearns E. C. & Co. (Roller), 450 Oneida, Syracuse, N. Y.

Welch T. F. Co., 55 Sudbury, Boston, Mass.

5301— Gauges (Measuring)

Atlas Tool Works, 488 John, Bridgeport, Conn.

Carlson Westrom Co. ("Carwen"), Erie av & Richmond, Phila., Pa.

Cedar Tool & Gage Corp., 1862 State, Bridgeport, Conn.

COLUMBUS DIE, TOOL & MACHINE CO., THE, 955 Cleveland av, Columbus, Ohio

Greenfield Tap & Die Corp. ("G. T. D." for Threads Cylindrical), Greenfield, Mass.

Indicating Calipers Corp., 506 E 19th, New York
See adv index at end of book

Johansson, C. E., Inc. ("Johansson"), Poughkeepsie, N. Y.

Lucas, Charles H., 158 Alder, Waltham, Mass.

(Continued on following page)

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8" or 12" Chart. Any range of pressure or vacuum.

Gauges (Measuring)—Continued

Pedersen Mfg. Co., 236 Middle, Bridgeport, Conn.
Reid Bros. Co., Beverly, Mass.
Saal H. G. Co., 1800 Montrose av, Chicago, Ill.
Slocomb J. T. Co., 35 Oxford, Providence, R. I.
Waltham Dial Gauge Co., 85 Myrtle, Waltham, Mass.
Waltham Micrometer Dial Gauge Co. ("Randall & Stickney"), 248 Ash, Waltham, Mass.
Westcott Rule Co. Inc. (Wood only), Seneca Falls, N. Y.
See adv index at end of book
Williams J. H. & Co. (Drop-Forged Caliper), 400 Vulcan, Buffalo, N. Y.
Zernickow O, 15 Park Row, New York

5302— Gauges (Mercury)

American District Steam Co. ("Adsco"), No. Tonawanda, N. Y.
American Schaeffer & Budenberg Corp., Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book
Brown Instrument Co., 4522 Wayne av, Philadelphia, Pa.
FOXBORO COMPANY, THE ("Foxboro"), Foxboro, Mass.
See adv index at end of book
National Gauge Co. ("National" & Vacuum), 300 Pacific, Brooklyn, N. Y.
New England Tank & Tower Co., 42 Main, Everett, Mass.
Pittsburgh Gage & Supply Co., 30th & Liberty av, Pittsburgh, Pa.
Pneumercator Co. ("Pneumercator," Pressure & Vacuum), 40 Flatbush av extension, Brooklyn, N. Y.
Precision Thermometer & Instrument Co., 1434 Brandywine, Philadelphia, Pa.
Tagliabue Chas. J. Mfg. Co., (Mercury Pressure; Syphon), 18 33d, Brooklyn, N. Y.
Uehling Instrument Co., 71 B'way, New York

5303— Gauges (Micrometer)

AMES B. C. CO. ("Ames," Dial), North Station, Waltham, Mass.
See adv index at end of book
Brown & Sharpe Mfg. Co., Providence, R. I.
Coats Machine Tool Co., Inc. ("Prestometer" Liquid), 110 W 40th, New York
Davis Mfg. Co. ("2 to 72"), Milwaukee, Wis.
Goodell-Pratt Co., Greenfield, Mass.
Haines Gauge Co. (Automatic), 119 S 4th, Phila., Pa.
Ibsen & Co., 404 Keefe av, Milwaukee, Wis.
Lucas, Charles H., 158 Alder, Waltham, Mass.
Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.
Reed Small Tool Works (Micrometer Caliper), 28 Cherry, Worcester, Mass.
Saal H. G. Co., 1800 Montrose av, Chicago, Ill.
Sawyer Tool Mfg. Co. (Standard Inside), Ashburnham, Mass.
Slocomb J. T. Co. (Paper, Tube, Thread, Plate Makers, Rolling Mill, Cartridge, etc.), 35 Oxford, Providence, R. I.
Starrett, L. S. Co., (Outside, inside & metric), Athol, Mass.
Syracuse Twist Drill Co. ("Syracuse"), Borden av, Syracuse, N. Y.
Waltham Micrometer Dial Gauge Co. ("Randall & Stickney"), 248 Ash, Waltham, Mass.

5304— *Gauges (Mine Fan)

BRISTOL CO., ("Bristol's" Recording), Waterbury, Conn.
See adv index at end of book
FOXBORO COMPANY, THE ("Foxboro" Recording), Foxboro, Mass.
See adv index at end of book

5305— Gauges (Mine Water)

Am Safety Lamp & Mine Supply Co. (U. Tube), 1327 Capouse av, Scranton, Pa.
Everhart Brass Works (For Showing Pressure of Air in Mines), Scranton, Pa.
Philadelphia Thermometer Co., 9th & Arch, Phila., Pa.

5306— Gauges (Mitre)

Miotke Joseph ("Acme Handy"), 144 Clinton, Milwaukee, Wis.

5307— Gauges (Oil)

A. & W. Accessory Co., ("A. & W." For Fords), Racine, Wis.
Akron-Selle Co. (Level), Akron, O.
Boston Auto Gage Co. ("Triumph"), 8 Waltham, Boston, Mass.
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, Ohio
See adv index at end of book
Detroit Lubricator Co., ("Detroit," "Genuine Detroit"), 5933 Trumbull, Detroit, Mich.
Edelmann E. & Co., 2332 Logan blvd, Chicago, Ill.
Hall Mfg. Co., Harrison, N. J.
LUNKENHEIMER CO. ("Triplex"), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
See adv index at end of book
Mackin Stephen Mfg. Co., (For Ford Cars), 54 Hermon, Worcester, Mass.
Michigan Lubricator Co. (Level), 3643 Beaubien, Detroit, Mich.
National Gauge & Equipment Co., La Crosse, Wis.
Pierce, Butler & Pierce Mfg. Corp., 437 E 162nd, New York City
Pneumercator Co., 40 Flatbush av extension, Brooklyn, N. Y.
Powell Wm. Co. ("Powell" for Dynamos, Motors, Automobiles, Trucks, Motor Boats, etc.), 2526 Spring Grove av, Cincinnati, O.
See adv index at end of book
Rochester Mfg. Co., 891 Halstead, Rochester, N. Y.
Sherwood Mfg. Co., 1709 Elmwood, Buffalo, N. Y.
U. S. Gauge Co., 44 Beaver, New York
See adv index at end of book
Wallace Motor Products Corp., ("Akuret" for Fords), 467 Washington, New York.
Westcott Rule Co. Inc., Seneca Falls, N. Y.
See adv index at end of book

5308— Gauges (Paper)

Delta Mfg. Co., 858 3rd, Milwaukee, Wis.
Lucas, Charles H., 158 Alder, Waltham, Mass.
Slocomb J. T. Co., 35 Oxford, Providence, R. I.
Starrett, L. S. Co., Athol, Mass.
Waltham Micrometer Dial Gauge Co. ("Randall & Stickney" Dial, Thickness), 248 Ash, Waltham, Mass.

5308a—*Gauges (Petrol Depth)

BRISTOL CO., ("Bristol's" Recording), Waterbury, Conn.
See adv index at end of book
National Gauge & Equipment Co. ("Independent," "National"), La Crosse, Wis.

5308b—*Gauges (Piston Ring & Pin)

Universal Circular Gauge Co., 448 Larkin, San Francisco, Calif.

5309—Gauges (Planer & Shaper)

Lucas, Charles H., 158 Alder, Waltham, Mass.
Sawyer Tool Mfg. Co. (Planer), Ashburnham, Mass.
Starrett, L. S. Co., Athol, Mass.

5310—Gauges (Plug & Ring)

Accurate Engineering Co., 150 E 4th, Plainfield, N. J.
Ampco Twist Drill & Tool Co., 18th & Howard, Detroit, Mich.
Atcheson Tool & Die Co., 43 W Long, Columbus, O.
Atlas Tool Works, 488 John, Bridgeport, Conn.
Austin & Smith Co., 164 Brewery, New Haven, Conn.
See adv index at end of book
Belcher, George E., Machine Co., 12 North av, Wakefield, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
Cannon T. J. & Sons Machine Co., Lynn, Mass.
Cedar Tool & Gage Corp., 1862 State, Bridgeport, Conn.
Central Tool & Die Co., Dayton, Ohio
Clough R. M., Tolland, Conn.
Greenfield Tap & Die Corp. ("G. T. D." for Threads Cylindrical), Greenfield, Mass.
Grimes, P. S., Milford, Conn.
Johansson C. E., Inc. ("Johansson" Adjustable Limit & Tolerance Plug), Poughkeepsie, N. Y.
Laganke Chas. F., 116 St. Claire av N E, Cleveland, Ohio
Mailometer Co., 1093 Jefferson av, E. Detroit, Mich.
Meyers Willard F. Co., Bedford, Ind.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
Nelson Tool Co., Inc., 782 E 142nd, New York
PRATT & WHITNEY CO. ("Trilock" Reversible Renewable), Hartford, Conn.
See adv index at end of book
Rogers John M. Works, Gloucester City, N. J.
Victory Co., York, Pa.

5310a—Gauges (Printer's Line)

Eagle Engineering Co. ("Star"), Springfield, O.

5310b— Gauges (Profile)

Cannon T. J. & Sons Machine Co., Lynn, Mass.
Goddard Tool Co. (& Thread), 351 W Chicago av, Chicago, Ill.
Grimes P. L., Milford, Conn.
Laganke Chas. F., 116 St. Claire av N E, Cleveland, Ohio
Precision Engineering Co., Jamestown, N. Y.

5311—Gauges (Pyrometer, Steam Pressure & Temperature)

AMERICAN SCHAEFFER & BUDENBERG CORP., Berry & S 5th, Brooklyn, N. Y. *See adv index at end of book*
Brown Instrument Co., 4522 Wayne av Philadelphia, Pa.
Crosby Steam Gage & Valve Co., ("Crosby"), 40 Central, Boston, Mass.
Marsh Jas. P. & Co., 120 S Clinton, Chicago, Ill.
U. S. GAUGE CO., 44 Beaver, New York
See adv index at end of book

5312-3—Gauges (Radial Grinding)

Union Twist Drill Co., Athol, Mass.

5314— Gauges (Rain)

Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Chaney Mfg. Co., Dept 4, Springfield, Ohio
Draper Mfg. Co., 152 Front, New York
Green Henry J. (Also Snow), 1191 Bedford av, Brooklyn, N. Y.
International Instrument Co. ("Ferguson") 23 Church, Cambridge, Mass.
Precision Thermometer & Instrument Co., 1434 Brandywine, Philadelphia, Pa.
Taylor Instrument Companies ("Tycos"), Rochester, N. Y.

Gauges (Raker)

See Gauges, Saw

5315—Gauges (Recording Pressure)

American Schaeffer & Budenberg Co. (Gas, Hydraulic, Ammonia, Steam & Water Pressure Recording Gauges), Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book
Ashton Valve Co., 161 First, Cambridge, Mass.
Bacharach Industrial Instrument Co., 14 Wood, Pittsburgh, Pa.
BRISTOL CO. ("Bristol's"), Waterbury, Conn. *See adv index at end of book*
BROWN INSTRUMENT CO., 4522 Wayne av, Philadelphia, Pa.
Cleveland Steam Gauge Co. (Pressure Only), 1108 W 9th, Cleveland, O.
Crosby Steam Gage & Valve Co., ("Crosby"), 40 Central, Boston, Mass.
Evansville Oil Grease Co. Inc., Dept II, Evansville, Ind.
FOXBORO COMPANY, THE ("Foxboro"), Foxboro, Mass.
See adv index at end of book
McDonough Automatic Regulator Co. ("McDonough" for Steam), 716 Gd. River, Detroit, Mich.
Marsh Jas. P & Co., 120 S Clinton, Chicago, Ill.
Marshalltown Mfg. Co., ("Marshalltown"), Marshalltown, Iowa.
Nason Mfg. Co. (Jobbers), 71 Fulton, New York
See adv index at end of book
National Gauge Co., 300 Pacific, Brooklyn, N. Y.
National Gauge & Equip't Co., La Crosse, Wis.
Pittsburgh Gage & Supply Co. ("Pittsburgh"), 30th & Liberty av, Pittsburgh, Pa.
Popkin Bros. Co., Inc., 267-71 Wyckoff, Brooklyn, N. Y.
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.
Tagliabue C. J. Mfg. Co. (Recording & Syphon), 18 33d, B'klyn, N. Y.
Uehling Instrument Co., 71 B'way, New York
U. S. GAUGE CO. (For Steam, Air, Gas, Water, Fluid, Hydraulic Pressures and Vacuum), 44 Beaver, New York
See adv index at end of book

5316—Gauges (Recording Pressure Portable)

Brown Instrument Co., 4522 Wayne av, Philadelphia, Pa.
FOXBORO COMPANY, THE ("Foxboro"), Foxboro, Mass.
See adv index at end of book

5317—*Gauges (Recording Tide)

Brown Instrument Co., 4522 Wayne av, Philadelphia, Pa.
FOXBORO COMPANY, THE ("Foxboro"), Foxboro, Mass.
See adv index at end of book

5318—Gauges (Recording Vacuum)

AMERICAN SCHAEFFER & BUDENBERG CO., Berry & S 5th, Brooklyn, N. Y. *See adv index at end of book*



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Brown Instrument Co., 4522 Wayne av, Philadelphia, Pa.
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
FOXBORO COMPANY, THE ("Foxboro"), Foxboro, Mass.
Tagliabue C. J. Mfg. Co., 20H 33rd, Brooklyn, N. Y.
U. S. Gauge Co., 44 Beaver, New York
See adv index at end of book

5318a— *Gauges (Retard)

MANNING, MAXWELL & MOORE, INC. (Retard Compound Sprinkler) (Ashcroft Mfg. Co. Div.), 100 E 42nd, New York
See adv index at end of book
U. S. Gauge Co., 44 Beaver, New York
See adv index at end of book

5319— Gauges (Revolution Recording)

BRISTOL CO. ("Bristol's), **Waterbury,** Conn. *See adv index at end of book*
Brown Instrument Co., 4522 Wayne av, Philadelphia, Pa.
FOXBORO COMPANY, THE ("Foxboro"), Foxboro, Mass.
See adv index at end of book

Gauges (Rolling Mill)

See Gauges, Micrometer

5320-1— Gauges (Saw)

Atkins E. C. & Co., Indianapolis, Ind.
Beach Mfg. Co., Montrose, Pa.
Disston Henry & Sons, Tacony, Phila., Pa.
Ersted Machinery Mfg. Co., ("Frye" Cut-off Saw), E. 29th & Clackamas, Portland, Ore.
Fox Z. F. & Son, Freeport, Mich.
Hoe R. & Co., 504 Grand, New York
Hantsiip Co. ("Standard" Automatic), Freeport, Mich.
Kilborn & Bishop Co. ("The Champion Forged"), 194 Chapel, New Haven, Conn.
Morin Saw Gauge Mfg. Co. ("Morin's" Raker For Cross-Cut Saws), Seattle, Wash.
Prouty C. & Co., Eldred, Pa.
Seymour James M., Jr., 43 Lawrence, Newark, N. J.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Smith H. B. Machine Co., Smithville, N. J.

5322— Gauges (Screw Pitch)

Atcheson Tool & Die Co., 43 W Long, Columbus, Ohio.
Athol Mach. & Foundry Co. ("Key Ring" & "Premier"), Athol, Mass.
Automatic Engraving & Mfg. Co., Inc., 476 Broadway, New York
Brown & Sharpe Mfg. Co., Providence, R. I.
Goodell-Pratt Co., Greenfield, Mass.
Greenfield Tap & Die Corp. ("G. T. D."), Greenfield, Mass.
Sawyer Tool Mfg. Co., Ashburnham, Mass.
Sheffield Mach. & Tool Co., Dayton, Ohio
Starrett, L. S. Co., Athol, Mass.
Wood & Spencer Co. ("Snap"), 1930 E 61st, Cleveland, O.

5323—Gauges (Sheet Metal & Wire)

Brown & Sharpe Mfg. Co., Providence, R. I.
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O.
See adv index at end of book
Disston Henry & Sons, Tacony, Phila., Pa.
Nov. Elec. Co., 50 N 4th, Phila., Pa.
Peck, Stow & Wilcox Co., Southington, Conn.
Slocomb J. T. Co., 35 Oxford, Providence, R. I.
Starrett, L. S. Co., Athol, Mass.

5324—Gauges (Sheet Rubber Measuring)

Hoggson & Pettis Mfg. Co., New Haven, Conn.
Slocomb J. T. Co., 35 Oxford, Providence, R. I.

5325— Gauges (Shingle)

Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Wagner Mfg. Co., Cedar Falls, Ia.

5326-7— Gauges (Snap)

Atlas Tool Works, 488 John, Bridgeport, Conn.
Austin & Smith Co., 164 Brewery, New Haven, Conn.
See adv index at end of book
Automatic Engraving & Mfg. Co., Inc., 476 Broadway, New York
Bonney Forge & Tool Works Telghman (Drop Forged), Allentown, Pa.
Brown & Sharpe Mfg. Co., Providence, R. I.
Cannon T. J. & Sons Machine Co., Lynn, Mass.
Cedar Tool & Gage Corp., 1862 State, Bridgeport, Conn.
Central Tool & Die Co., Dayton, Ohio
Clegg Mfg. & Tool Co., Attleboro, Mass.
Greenfield Tap & Die Corp. ("G. T. D." for Thread Cylindrical), Greenfield, Mass.
Grimes P. L., Milford, Conn.
Hanson-Whitney Machine Co., (Limit for Threads), 75 Bartholomew av, Hartford, Conn.
Johansson, C. E., Inc. ("Johansson" Adjustable Limit), Poughkeepsie, N. Y.
Laganke Chas. F., 116 St. Claire av, Cleveland, Ohio
Mallometer Co., 1092 Jefferson av, E. Detroit, Mich.
Meldrum-Gabrielson Corp., ("Syracuse"), Syracuse, N. Y.
Nelson Tool Co., Inc., 782 E 142nd, New York
Phoenix Gage Co. (Adjustable), Phoenix, N. Y.
Pratt & Whitney Co. ("Trusform" Adjustable), Hartford, Conn.
See adv index at end of book
Precision Engineering Co., Jamestown, N. Y.
Reid Bros., Beverly, Mass.
Reliance Die & Stamping Co., 515 N. La Salle, Chicago, Ill.
Screw Machine Products Corp, 1012 Eddy, Providence, R. I.
Victory Mfg. Co., York, Pa.

5328-9—Gauges (Speed Recording)

BRISTOL CO. ("Bristol's), **Waterbury,** Conn. *See adv index at end of book*
Brown Instrument Co., 4522 Wayne av, Philadelphia, Pa.
FOXBORO COMPANY, THE ("Foxboro"), Foxboro, Mass.
See adv index at end of book

5330— Gauges (Steam)

AMERICAN SCHAEFFER & BUDENBERG CORP., Berry & S 5th, Brooklyn, N. Y. *See adv index at end of book*
Ashton Valve Co. (Also Alluminated Dial Master Pilot, Master Pressure), 161 1st, Boston, Mass.
Belfield H. Co., 435 N Broad, Phila. Pa.
BRISTOL CO. ("Bristol's" Recording), Waterbury, Conn.
See adv index at end of book
Brown Instrument Co. ("Brown" Recording), 4522 Wayne av, Philadelphia, Pa.
Capitol Brass Works, 2306 Franklin, Detroit, Mich.
Cleveland Steam Gauge Co., 1108 W 9th, Cleveland, O.
Cope, T. J., 2112 Sansom, Philadelphia, Pa.
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
DUNHAM C. A. CO., 230 E Ohio, Chicago
See adv index at end of book
Esterline-Angus Co., Speedway City, Indianapolis, Ind.
FOXBORO COMPANY, THE ("Foxboro"), Foxboro, Mass.
See adv index at end of book
Hoppe Paul F Co., 123 Liberty, New York
McRae & Roberts Co., 100 So Campbell av, Detroit, Mich.
MANNING, MAXWELL & MOORE, INC. (ASHCROFT MFG. CO. DIV.), 100 E. 42nd, New York
See adv index at end of book
Marsh Jas. P. & Co., 118 S Clinton, Chicago, Ill.
Marshalltown Mfg. Co., ("Marshalltown"), Marshalltown, Iowa
Nason Mfg. Co. (Jobbers), 71 Fulton, New
See adv index at end of book
Nathan Mfg. Co., 416 E 106th, New York
National Gauge Co., ("National"), 300H Pacific, Brooklyn, N. Y.
National Gauge & Equipment Co. ("National," "Independent"), La Crosse, Wis.
New England Steam Gauge Co., Penn av, Niantic, Conn.
PIERCE, BUTLER & PIERCE MFG. CORP., 41 East 42nd, New York
Pittsburgh Gage & Supply Co. ("Pittsburgh" Recording), 30th & Liberty av, Pittsburgh, Pa.
Popkin Bros. Co., Inc., 267-71 Wyckoff, Brooklyn, N. Y.
Pratt & Cody Co. ("P. & C."), Hartford, Conn.
Queen-Gray Co., 64-70H W. Johnson, Phila., Pa.
Star Brass Mfg. Co. ("Star" Pressure), 53 Oliver, Boston, Mass.
U. S. GAUGE CO., 44 Beaver, New York
See adv index at end of book
Williams & Wells Co., 253 Fulton, New York *See adv index at end of book*
Zaubitz August, 95 Cliff, New York

5331—Gauges (Sulphite Digester)

American Schaeffer & Budenberg Corp., Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book
Brown Instrument Co., 4522 Wayne av, Philadelphia, Pa.
FOXBORO COMPANY, THE ("Foxboro"), Foxboro, Mass.
See adv index at end of book

Gauges (Surface)

See Gauges, Depth & Surface

Gauges (Syphon)

See Gauges Steam

5332— Gauges (Tank)

AMERICAN SCHAEFFER & BUDENBERG CORP., Berry & S 5th, Brooklyn, N. Y. *See adv index at end of book*
Boston Auto Gauge Co. ("Triumph," "Challenge," "Triumph Jr.," "Triumph," "Challenge, "Triumph II," Fuel Level), 8 Waltham, Boston, Mass.

(Continued on following page)

Gauges (Tank)—Continued

Detroit Lubricator Co. ("Detroit," "Genuine Detroit" Expansion), 5938 Trumbull, Detroit, Mich.
Eagle Tank Co., 2443 N Crawford av, Chicago
See adv index at end of book
Nat'l Gauge & Equip't Co. ("Independent," "National"), La Crosse, Wis.
Pacific Tank Gauge Co., 167 Jessie, San Francisco, Cal.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Pneumercator Co. ("Pneumercator"), 40 Flatbush av ext., Brooklyn, N. Y.
Precision Thermometer & Instrument Co., 1434 Brandywine, Philadelphia, Pa.
Rochester Mfg. Co., 29 Halsted, Rochester, N. Y.

5333—Gauges (Tank Acid Metal)

Eastwood Wire Mfg. Co., Belleville, N. J.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
See adv index at end of book
Pacific Tank Gauge Co., 167 Jessie, San Francisco, Cal.

5334—*Gauges (Tank Gauge, Pneumatic)

AMERICAN SCHAEFFER & BUDENBERG CORP., Berry & S 5th, Brooklyn, N. Y. *See adv index at end of book*

5335-6— *Gauges (Taper)

Hartford Special Machy Co., Hartford, Conn.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Starrett L. S. Co., Athol, Mass.

Gauges (Temperature Regulating)

See Pyrometers

5336a— Gauges (Test)

See also Gauges, Steam

American Schaeffer & Budenberg Corp. (Precision), Berry & S 5th, Brooklyn, N. Y. *See adv index at end of book*
Boekel, Wm. & Co. (Gas Fitters), 518 Vine, Phila., Pa.
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
MANNING MAXWELL & MOORE INC. (Ashcroft Mfg. Co. Div.), 100 E 42nd, New York *See adv index at end of book*
Pierce, Butler & Pierce Mfg. Corp., 437 E 162nd, New York City
Popkin Bros. Co., Inc., 267-71 Wyckoff, Brooklyn, N. Y.
U. S. Gauge Co., 44 Beaver, New York
See adv index at end of book

5337— Gauges (Test, Pocket)

Ashton Valve Co., 161 First, Cambridge, Mass.
Marsh Jas. P. & Co., 118 S Clinton, Chicago, Ill.
Pittsburgh Gage & Supply Co., 30th & Liberty av, Pittsburgh, Pa.
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.

5338— Gauges (Thickness)

Ames B. C. Co., North Station, Waltham, Mass. *See adv index at end of book*
Brown & Sharpe Mfg. Co., Providence R. I.
Clegg Mfg. & Tool Co., Attleboro, Mass.
Coats Mach. Tool Co. ("Prestwick" Fluid Gauge), 110 W 40th, New York
Goodell-Pratt Co., Greenfield, Mass.
Hopewell Bros., Watertown, Mass.
Johansson C. E., Inc., Poughkeepsie, N. Y.
Lufkin Rule Co., Saginaw, Mich.
Manning Maxwell & Moore Inc. (Ashcroft Mfg. Co. Div.), 100 E 42nd, New York
See adv index at end of book
PRECISION THERMOMETER & INSTRUMENT CO., 1435 Brandywine, Phila., Pa.
Randall Frank E. (Dial), Waltham, Mass.
Sawyer Tool Mfg. Co., Ashburnham, Mass.
Starrett L. S. Co., Athol, Mass.
Union Tool Co., Orange, Mass.
Waltham Dial Gauge Co. (Rubber), 85 Myrtle, Waltham, Mass.

5338a— Gauges (Thread)

Bicknell-Thomas Co. (Thread Lead), Greenfield, Mass.
Brown & Sharpe Mfg. Co. ("Acme"), Providence, R. I.
Federal Tool & Mach. Co., Camden, N. J.
Greenfield Tap & Die Corp., Greenfield, Mass.
Hanson-Whitney Machine Co. (Limit Snap Thread), 75 Bartholomew av, Hartford, Conn.
Jamestown Engineering Co., Jamestown, N. Y.
Jones & Lamson Mach. Co. ("Hartness" Comparator), Springfield, Vt.
Pratt & Whitney Co. ("Pratt & Whitney" Automobile Engine Spark-Plug), Hartford, Conn.
See adv index at end of book
Precision Engineering Co., Jamestown, N.Y.
Reliance Die & Stamping Co., 515 N La Salle, Chicago, Ill.
Union Tool Co. (& Surface), Orange, Mass.
West & Dodge Co., 37H Parkman, Brighton District, Boston, Mass.

5339—Gauges (Tire Pressure)

Allen Auto Specialty Co. ("Allen" Tyrometer), 16 W 61st, New York
Apex Elec. Mfg. Co. ("Apex" Testers), 1410 W 59th, Chicago, Ill.
Improved Gauge Mfg. Co. ("Pressurite"), 105 Canal, Syracuse, N. Y.
Marsh Jas. P. & Co., 118 S Clinton, Chicago, Ill.
Michelin Tire Co., Milltown, N. J.
National Gauge & Equipment Co. ("Indian Head," "Independent," "National"), La Crosse, Wis.
Pierce, Butler & Pierce Mfg. Corp., 437 E 162nd, New York City
Schrader's A. Son, Inc. ("Schrader Universal"), 470 Vanderbilt av, Brooklyn, N. Y.
Twitchell Gauge Co. ("Twitchell"), 1516 S Wabash av, Chicago, Ill.
U. S. Gauge Co., 44 Beaver, New York
See adv index at end of book

5340— Gauges (Track)

Aldon Co. ("Huntington"), 3338 W Ravenswood av, Chicago, Ill.
Buda Co. ("Huntington," "Caffrey-Huntington" & "McManus" Combined Track Gauge & Lever), Harvey, Ill.
Fairbanks, Morse & Co., Sheffield Plant ("The McHenry"), Three Rivers, Mich.
Handlan-Buck Mfg. Co., 210-14 N 3d, St. Louis, Mo.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Iron City Tool Wks., Ltd., 3201 Smallman, Pittsburgh, Pa.
Irving Mfg. & Tool Co., 157 Chambers, New York
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Leetonia Tool Co. (For Mines), Leetonia, Ohio
Track Specialties Co., Inc. (Dirs.), 2-4-6 Morris, New York
Verona Tool Works, Plum, Pittsburgh, Pa.

Gauges (Twist Drill)

See Gauges, Drill

5341—Gauges (Unison Telemetric Pressure)

5342—Gauges (Universal Screw Cutting)

Disston Henry Sons, Tacony, Phila., Pa.
Smith Otis A. (Countersunk and Depth), Rockfall, Conn.

5343— Gauges (Urn)

Capitol Brass Works, 2306 Franklin, Detroit, Mich.
McRae & Roberts Co. (Coffee, etc.), 100 S Campbell av, Detroit, Mich.
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.

5343a— Gauges (Vacuum)

See also Gauges, Steam

American Schaeffer & Budenberg Corp., Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
DUNHAM C. A. CO., 230 E Ohio, Chicago
See adv index at end of book
Marsh Jas. P. & Co. (& Pressure for All Purposes), 120 S Clinton, Chicago, Ill.
Marshalltown Mfg. Co. ("Marshalltown"), Marshalltown, Ia.
National Gauge Co. ("National"), 300H Pacific, Brooklyn, N. Y.
Pierce, Butler & Pierce Mfg. Corp., 437 E 162nd, New York City
Popkin Bros. Co., Inc., 267-71 Wyckoff, Brooklyn, N. Y.
PRECISION THERMOMETER & INSTRUMENT CO., 1434 Brandywine, Philadelphia, Pa.
Tagliabue C. J. Mfg. Co., 20H 33d, Brooklyn, N. Y.
U. S. GAUGE CO., 44 Beaver, New York
See adv index at end of book

5344—Gauges (Vacuum Draft)

BRISTOL CO. ("Bristol's" Recording), Waterbury, Conn.
See adv index at end of book
Brown Instrument Co., 4522 Wayne av, Philadelphia, Pa.
FOXBORO COMPANY, THE, (("Foxboro"), Foxboro, Mass.
See adv index at end of book

5345— Gauges (Water)

American District Steam Co. ("Adsco") No. Tonawanda, N. Y.
American Injector Co., 1469 14th av, Detroit, Mich.
American Lubricator Co., Summit & Wabash Ry., Detroit, Mich.
American Safety Lamp & Mine Supply Co. (U Tube), 1327 Capouse av, Scranton, Pa.
AMERICAN SCHAEFFER & BUDENBERG CORP., Berry & S 5th, Brooklyn, N. Y. *See adv index at end of book*
Belfield H. Co., 435 N Broad, Phila., Pa.
Belknap Mfg. Co., 800 Union av, Bridgeport, Conn.
Bordo L. J. Co., 12th & Thompson, Phila., Pa.
BRISTOL CO. ("Bristol's" Water Level), Waterbury, Conn.
See adv index at end of book
Brown Instrument Co., 4522 Wayne av, Phila., Pa.
BUCKEYE IRON & BRASS WORKS, 322 E 3rd, Dayton, Ohio
See adv index at end of book
Capitol Brass Wks., 2306 Franklin, Detroit, Mich.
Cleveland Steam Gauge Co., 1108 W 9th, Cleveland, O.
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
Detroit Brass & Malleable Works, 1117 Holden, Detroit, Mich.
Detroit Lubricator Co. ("Detroit" Expansion Tank), Detroit, Mich.
Edna Brass Mfg. Co., 528 Reading rd, Cincinnati, O.
FOXBORO COMPANY, THE ("Foxboro"), Foxboro, Mass.
See adv index at end of book
JERGUSON GAGE & VALVE CO. ("Reflex," "Klinger," "Jerguson" and to Specification), Mystic av & Fellsway, Somerville, Mass.
Kelly & Jones Co., The, Greensburg, Pa.
See adv index at end of book
Liberty Gauge & Instrument Co., 6545 Carnegie av, Cleveland, O.
Longeran J. E. Co., (Automatic Safety), 211 Race, Phila., Pa.
Lunkenheimer Co. (Automatic & Plain), Beekman & Waverly, Cincinnati, O.
See adv index at end of book
McNab & Harlin Mfg. Co., Paterson, N. J.
McRAE & ROBERTS CO., 100 S. Campbell av, Detroit, Mich.
MANNING MAXWELL & MOORE INC. (Ashcroft Mfg. Co. Div.) (Prismatic), 100 E 42nd, New York
See adv index at end of book
Marion Machine, Foundry & Supply Co. ("Alexander," for Boilers), Marion, Ind.
Marsh & Co. Jas. P. ("Marsh" Equalized Altitude), 120 S Clinton, Chicago, Ill.
Marshalltown Mfg. Co. ("Marshalltown" Pressure), Marshalltown, Iowa
Michigan Lubricator Co. ("Michigan," Self-Clearing, Automatic, etc.), 3643 Beaubien, Detroit, Mich.
Mushet W. E. Co. (Dirs.), 700 2nd, San Francisco, Cal.
NASON MFG. CO. (Quick Closing, Brass, high pressure chain pull construction), 71 Fulton, New York
See adv index at end of book
National Gauge Co. ("National"), 300H Pacific, Brooklyn, N. Y.
Northern Tool Co. ("Northern" Self-Closing Safety), Utica, N. Y.
Ohio Body & Blower Co. (Automatic Safety), 9300 Detroit av, Cleveland, O.
Ohio Brass Co. ("O. B."), Mansfield, O.
Ohio Injector Co., Wadsworth, O.
Okadee Co. ("Okadee" Reflex), 14 E Jackson bl., Chicago, Ill.
Penberthy Injector Co., 346 Holden av, Detroit, Mich.
Pierce, Butler & Pierce Mfg. Corp., 437 E 162nd, New York City
Pitts & Kitts Mfg. & Supply Co., 342 Madison av, New York
Pittsburgh Gage & Supply Co. ("Pittsburgh" Automatic & "Gaco" Self-Closing), 30th & Liberty av, Pittsburgh, Pa.
Pneumercator Co., 40 Flatbush av extension, Brooklyn, N. Y.
Popkin Bros. Co., Inc., 267-71 Wyckoff, Brooklyn, N. Y.
Powell, Wm. Co., 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Pratt & Cady Co. ("P. & C."), Hartford, Conn.
Precision Thermometer & Instrument Co., 1434 Brandywine, Philadelphia, Pa.
Reliance Gauge Column Co. ("Reliance" Level, Quick Closing), Cleveland, O.
Rich Mfg. Co. (Quick Closing), 370 Atlantic av, Boston, Mass.
Roberts Brass Mfg. Co., 5435 W Fort, Detroit, Mich.
Sargent Co. ("Reflex" for Locomotives), 625 W Jackson blvd, Chicago, Ill.
Schlangen Bros. Co., 2435 Irving Park blvd, Chicago, Ill.
Simplex Valve & Meter Co., 5718 Race, Phila., Pa.

Sparling R. W. ("Sentinel"), 945 N Main, Los Angeles, Cal.
Star Brass Mfg. Co. ("Eureka" "Star" "Water Pressure" Quincy, 53 Oliver, Boston, Mass.
Sterling & Skinner Mfg. Co., 2672 E Gd. blvd, Detroit, Mich.
Swift Lubricator Co., Elmira, N. Y.
U. S. Gauge Co., 44 Beaver, New York
See adv index at end of book
Valle-Kimes Co. ("V. & K."), Dayton, O.
Van Duzen B W. Co., 423 E 2d, Cincinnati, O.
Watertown Specialty Co. ("Watertown" Automatic Safety), Watertown, N. Y.
Western Valve Co., 701 W Washington, Chicago, Ill.
Williams Gauge Co. ("Williams," "Quick Closing," "Success" & "Sterling"), 543 4th av, Pittsburgh, Pa.
Wiltbonco Mfg. Co. ("Klinger," "Reflex," "Wiltbonco"), 24 Porter, Boston, Mass.
Wright-Austin Co. ("Wright" Water pressure, self closing), 315H Woodbridge, W., Detroit, Mich.

5346—Gauges (Water Depth)

American Schaeffer & Budenberg Corp., Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book
BRISTOL CO. ("Bristol's"), Waterbury, Conn. *See adv index at end of book*
Brown Instrument Co., 4522 Wayne av, Philadelphia, Pa.
FOXBORO COMPANY, THE ("Foxboro"), Foxboro, Mass.
See adv index at end of book
Simplex Valve & Meter Co., 5718 Race, Phila., Pa.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5347-8—Gauges (Water Level)

BRISTOL CO. ("Bristol's" Recording), Waterbury, Conn.
See adv index at end of book
Brown Instrument Co., Wayne & Windrim, Phila., Pa.
Builders Iron Foundry, 9 Codding, Providence, R. I.
FOXBORO COMPANY, THE ("Foxboro"), Foxboro, Mass.
See adv index at end of book
Hydro Mfg. Co. (Recording), Bullitt bldg, Phila, Pa.
JERGUSON GAGE & VALVE CO. (Standard and to Specification), Mystic av & Fellsway, Somerville, Mass.
Rochester Mfg. Co., 891 Halstead, Rochester, N. Y.
Simplex Valve & Meter Co., 5718 Race, Phila., Pa.
Sparling R. W. ("Sterling"), 945 N Main, Los Angeles, Cal.

Gauges (Water Pressure)

See Gauges, Water

5349—Gauges (Waterworks)

American Schaeffer & Budenberg Corp., Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
Popkin Bros. Co., Inc., 267-71 Wyckoff, Brooklyn, N. Y.
Simplex Valve & Meter Co., 5718 Race, Phila., Pa.
U. S. Gauge Co., 44 Beaver, New York
See adv index at end of book

5349a—Gauges (Welding Outfit)

MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
National Gauge & Equipment Co. ("Independent," "Natweld"), La Crosse, Wis.
OXWELD ACETYLENE CO., 30 E. 42nd, New York
See adv index at end of book
Pierce, Butler & Pierce Mfg. Corp., 437 E 162nd, New York City
U. S. GAUGE CO. ("Solfrunt"), 44 Beaver, New York *See adv index at end of book*

5350— Gauges (Wheel)

Gage Tool Co. ("Gage" Marking), Vineland N. J.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book

5351—Gauges (Wireman's Calculating)

Manhattan Electrical Supply Co., 17 Park pl, New York

5352— Gauges (Wood Plane)

Goodell-Pratt Co., Greenfield, Mass.

5353—Gauges (Worm Thread Tool)

Brown & Sharpe Mfg. Co., Providence, R. I.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.

5354—Gauges (Worn Coupler & Wheel Defect)

Pratt & Whitney Co., Hartford, Conn.

5355— Gauze (Surgical)

American Gauze & Cotton Co., Inc. ("Excello," "Purity," "Quality," "White Cross"), 407 N 8th, St. Louis, Mo.
Aseptic Products Co., 237 Borden av, Long Island City, N. Y.
Aseptic Laboratories, Inc., 107 State, Rochester, N. Y.
Columbia Mills, Inc., 225 5th av, New York
Griswoldville Mfg. Co., Griswoldville, Mass.
Hygienic Fibre Co., Versailles, Conn.
Johnson & Johnson, New Brunswick, N. J.
Lewis Mfg. Co. ("Curity"), Walpole, Mass.
New Hartford Cotton Mfg. Co., New Hartford, N. Y.
Safety First Supply Co., 107 Third av, Pittsburgh, Pa.
Seabury & Johnson, 87 Maiden lane, New York
Southern Aseptic Laboratories, Columbia, S. C.

5356— Gavels

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book

5357— Gear Blanks

Allegheny Forging Co. (Steel), Keenan bldg, Pittsburgh, Pa.
Aluminum Mfrs. Inc. ("Lynite" Aluminum), 2810 Harvard av, Cleveland, O.
AM. MANGANESE BRONZE CO. (Bronze), 3501 Rhawn, Phila., Pa.
Anderson Forge & Machine Co. (Drop Forged), Detroit, Mich.
Atlantic Steel Casting Co (Open hearth), Chester, Pa.
Atlas Steel Casting Co. (Cast Steel), Buffalo, N. Y.
Bacon & Matheson Forge Co., 17H W. Lander, Seattle, Wash.
Bay City Forge Co., 1820 Cranberry, Erie, Pa.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Blount Engineering Co., 100 High, Boston, Mass.
Bonney-Floyd Co. (Cast Steel), Columbus, O.
Boston Forge Co. (Forged Steel), E Boston, Mass.
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Carnegie Steel Co. (Rolled Steel), Carnegie bldg, Pittsburgh, Pa.
Champion Machine & Forging Co. (Drop Forged), 3690 E 78th, Cleveland, O.
See adv index at end of book
Continental Fibre Co. ("Bakelite-Dilecto" Fibre), Newark, Del.
Cramp Wm. & Sons Ship & Engine Bldg. Co. (Bronze), Beach & Ball, Phila., Pa.
Damascus Bronze Co. ("Damascus," Bronze), N S, Pittsburgh, Pa.
DELAWARE HARD FIBRE CO., (Hard Fibre, "Egyptian"), Wilmington, Del.
See adv index at end of book
Detroit Screw Works, 348 Franklin, Detroit, Mich.
Diamond State Fibre Co. (Hard Fibre), Dept. 37, Bridgeport, Pa.
See adv index at end of book
Duke Steel Co., Inc., 191 Pearl, New York
Dundore Mfg. Co., 224 Orange, reading, Pa.
Electric Welding Co. (Steel), 2114 Superior viaduct, Cleveland, O.
Fibroc Insulation Co. ("Fibroc"), cor. Campbell, Valparaiso, Ind.
See adv index at end of book
Forged Steel Wheel Co. (Forged Steel), Pittsburgh, Pa.
GRANT GEAR WORKS (All Kinds), Pearl & Purchase, Boston, Mass.
See adv index at end of book
Hammond Steel Co. Inc., 2600H Milton av, Syracuse, N. Y.
Hills-McCanna Co. (Bronze), 3025 Elston av, Chicago, Ill.
Interstate Foundry Co. (Light & Heavy), E 61st & Erie R. R., Cleveland, O.
Irvington Mfg. Co. (Drop Forged), Irvington, N. J.
Iten Fibre Co., 2358 E 67th, Cleveland, O.
See adv index at end of book
Johnston & Jennings Co., Addison rd & N. Y. C. R. R., Cleveland, O.
Joliet Forge Co., Irving & Franklin, Joliet, Ill.
Ketler-Elliott Co. ("Ketoco"), 31st & California, Chicago, Ill.
KROPP FORGE CO. (For Auto. Tractors, Trucks, Motor Buses, Mine Locomotives, Lathes, Planers, Shapers, Boring Mills), 5301 Roosevelt, rd, Chicago, Ill.
See adv index at end of book
Ladish Drop Forge Co. (Forged), Cudahy, Wis.
Lake Erie Forge & Machine Co., Cleveland, O.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Lumen Bearing Co., 200 Lathrop, Buffalo, N. Y. *See adv index at end of book*
National Vulcanized Fibre Co. (Fibre), Beach & Maryland av, Wilmington, Del. *See adv index at end of book*
Newark Gear Cutting Machine Co., 69 Prospect, Newark, N. J.
Ohio Forge Co. (Forged), Cleveland, O.
Park Drop Forge Co. (Drop Forged), 760 E 79th, Cleveland, O.
Pennsylvania Forge Co., Ash & Bath, Phila., Pa.
Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*
Phila. Roll & Machine Co., 52d & Grays av, Phila., Pa.
Phila. Steel & Forge Co. (Forged Steel), 50 Church, New York
Pollak Steel Co., Cincinnati, O.
Plamondon A. Mfg. Co., 5315 S Western blvd, Chicago, Ill.
PYOTT FOUNDRY CO., 330 N Sangamon, Chicago, Ill.
See adv index at end of book
Rathbone A. B. & J. (Pinion Rod Brass & Steel), Palmer, Mass.
Smith A. O. Corp. (Drop Forged), Milwaukee, Wis.
Spaulding Fibre Company, Inc. (Hard Fibre), Tonawanda, N. Y.
See adv index at end of book
Standard Fibre Co. (Hard Fibre), Miller st, Somerville, Mass.
STRONG STEEL FOUNDRY CO. (Cast Steel), Buffalo, N. Y.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
Titanium Bronze Co., Niagara Falls, N. Y.
Titusville Forge Co. (Steel), Titusville, Pa.
Transue & Williams Steel Forging Corp., Alliance, O.
Treadwell Engineering Co., Easton, Pa.
See adv index at end of book
Union Switch & Signal Co., Swissvale, Pa.
U. S. Automatic Co., Amherst, O.
Western Drop Forge Co. (Drop Forged), P O Box 386, Marion, Ind.
Western Tool & Forge Co., Brackenridge, Pa.
Williams J. H. & Co., 400 Vulcan, Buffalo, N. Y.
Wilmington Fibre Specialty Co., Wilmington, Del.
WORCESTER PRESSED STEEL CO., Worcester, Mass.
See adv index at end of book
Wyman-Gordon Co. (Automobile), 105 Madison, Worcester, Mass.

5358— Gear Blanks (Rawhide)

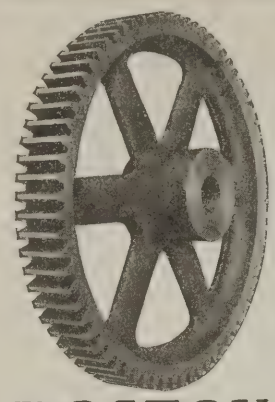
See also Gears & Pinions, Rawhide
Acme Gear Co., 7th & Wood, Phila., Pa.
CHICAGO RAWHIDE MFG. CO. (THE), 1307 Easton av, Chicago, Ill.
See adv index at end of book

THE CHICAGO RAWHIDE MFG. CO.
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Grant Gear Works, Pearl & Purchase, Boston, Mass.
See adv index at end of book
Holbrook Raw Hide Co., 743 No Main, Providence, R. I.
Horsburgh & Scott Co., 5110 Hamilton av, Cleveland, O.
Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*
Western Rawhide & Belting Co., 917 Winnebago, Milwaukee, Wis.

5359— Gear Blanks (Steel)

See also Gear Blanks
Atlantic Steel Castings Co., Chester, Pa.
Bethlehem Steel Co., Bethlehem, Pa.
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Camden Forge Co., (Pinion), Camden, N. J.
Duke Steel Co., Inc., 191 Pearl, New York
Grant Gear Works, Pearl & Purchase, Boston, Mass. *See adv index at end of book*
LINK-BELT COMPANY, 300 W Pershing rd, Chicago
See adv index at end of book
Modern Die & Drop Forge Co., H, 139th, Blue Island, Ill.
Plamondon A. Mfg. Co., 5315 S Western blvd, Chicago, Ill.
Rathbone A. B. & J., Palmer, Mass.
Williams J. H. & Co., 400 Vulcan, Buffalo, N. Y.
Zeigler Mfg. Co., Alexandria, Ind.



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5360— Gear Bronze

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Bethlehem Steel Co., Bethlehem, Pa.
Cramp Wm. & Sons Ship & Engine Bldg. Co. ("Cramp"), Beach & Ball, Phila., Pa.
Erie Bronze Co., 355 W 19, Erie, Pa.
LUMEN BEARING CO., 200 Lathrop, Buffalo, N. Y.
See adv index at end of book
Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*
Williams J. H. & Co., 400 Vulcan, Buffalo, N. Y.

5361— Gear Cases

Acme Gear Co., 7th & Wood, Phila., Pa.
Chillingworth Mfg. Co. ("Chillingworth" One-Piece Seamless & Welded), West Side av, Jersey City, N. J.
Columbia Machine Works & Malleable Iron Co. ("Columbia" All-Steel or Malleable Iron), Atlantic av & Chestnut, Brooklyn, N. Y.
Columbiana Boiler Co., Columbiana, O.
Dover Boiler Works. Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Dundore Mfg. Co., 324 Orange, Reading, Pa.
Electric Service Supplies Co. ("Lyon" Reinforced Steel, "Keystone" Steel), 17th & Cambria, Phila., Pa.
GERDES & CO., INC., 42 Church, New York
See adv index at end of book
Globe Machine & Stamping Co. (Pressed Steel), 1250 W 76th, Cleveland, Ohio
LINK-BELT COMPANY, 300 W Pershing rd, Chicago
See adv index at end of book
Nelson N. P. Iron Works, 216 40th, Brooklyn, N. Y.
Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*
Plamondon A. Mfg. Co., 5315 Southwestern blvd, Chicago, Ill.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

5362—*Gear Cases (Car Motor)

GERDES & CO., INC., 42 Church, New York
See adv index at end of book
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

5363—Gear (Locomotive Valve)

Fulton Iron Works Co., St. Louis, Mo.
Philadelphia Gear Works, 1123 Vine, Phila., Pa.
See adv index at end of book
Standard Valve Gear Co., Toledo, O.

5364—Gear Protective Composition

Plomo Specialty Mfg. Co., Belmont bldg., Cleveland, O.
Texas Company, The, Dept. D., 17 Battery pl, New York
See adv index at end of book
United States Graphite Co., Saginaw, Mich.
Whitmore Mfg. Co., Iron ct. & Erie Ry., Cleveland, O.

5365— Gear Shifts (Electric)

(For Gasoline Automobiles)

U. S. Auto Gear Shift Co. ("Laursen" Hydraulic), Eau Claire, Wis.

5365a—*Gear Shifts (Mechanical)

CUTLER-HAMMER MFG. CO., 12th & Paul av, Milwaukee, Wis.
See adv index at end of book

5366— Gearing (Cane Mill)

CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Fulton Iron Works Co., 1259 Delaware av, St. Louis, Mo.
Honolulu Iron Works Co., 283 Broadway, New York
LINK-BELT COMPANY, 300 W Pershing rd, Chicago
See adv index at end of book
Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.
POOLE ENGINEERING & MACHINE CO., Woodbury, Baltimore, Md.
See adv index at end of book

5366a— Gearing (Mill)

CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Honolulu Iron Works Co., 283 Broadway, New York
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Phila. Roll & Machine Co., 52d & Grays av, Phila., Pa.
POOLE ENGINEERING & MACHINE CO., Woodbury, Baltimore, Md.
See adv index at end of book
Vaughn Machinery Co. (Enclosed Drive Heads), Cuyahoga Falls, O.

5367-8— Gearing (Skylight)

See also Skylight & Ventilating Apparatus

Weiss H. & Co., 83 John, New York

5369—Gearing (Wharf Drop)

American Engineering Co. ("A-E-Co."), Aramingo & Cumberland, Phila., Pa.
HINDLEY GEAR CO., 1105 Frankford av, Phila, Pa. *See adv index at end of book*
Meisel Press Mfg. Co. (Medium Pitch), 942 Dorchester av, Boston, Mass.
Schnerr J. J. Co., 799 Golden Gate av San Francisco, Cal.

5369a— Gears

Acme Gear Co., 7th & Wood, Phila., Pa.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Alling-Lander Co. Inc. ("Alling-Lander"), Sodus, N. Y.
Automotive Gear Wks. ("Double Diamond"), 391 Marietta, Atlanta, Ga.
Autoscrew Co., 355 W Broadway, New York
Barney's Auto Parts Co. ("Barco" rear axle), 236 W 50th, New York
Bethlehem Shipbuilding Corporation, Ltd. (Hand, Steam, Ship, Motor Boat, Yacht), Bethlehem, Pa.
Bilgram Machine Works, 1231 Spring Garden, Phila., Pa.
Bond Foundry & Machine Co., Penn St., Manheim, Pa.
Boston Gear Works, Norfolk Downs, Quincy, Mass.
See adv index at end of book
Brown A. & F. Co., 79 Barclay, New York
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Chandler & Farquhar Co., 250 Devonshire, Boston, Mass.
Chevrolet A. Co. (Flywheel Starter), 410 W 10th, Indianapolis, Ind.
Christiana Machine Co., Christiana, Pa.
Cincinnati Gear Co., The ("Cincinnati"), 1825 Reading rd, Cincinnati, O.

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Cresson Morris Co., 18th & Alleghany av, Phila., Pa.
Davis Rodney ("Davis"), 624 Race, Phila., Pa.
Detroit Steel & Casting Co., 4069H Michigan, Detroit, Mich.
Diefendorf Gear Corp. ("Diefendorf"), 324H Pearl, Syracuse, N. Y.
Dundore Mfg. Co., 224 Orange, Reading, Pa.
Earle Gear & Machine Co., 4707 Stenton, Philadelphia, Pa.
Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn.
See adv index at end of book
Fulton Houston Co. (for Fords), 1146 So Michigan blvd, Chicago, Ill.
GANSCHOW WM. CO. ("Bakelite"), 1017 Washington blvd, Chicago, Ill.
See adv index at end of book
Gerdes & Co., Inc. (Cut and Cast Tooth Gears—all kinds—Pinions for Silent Drives—quick shipments), 42 Church, New York
See adv index at end of book
Gilbert Walter B. & Co., York, Pa.
Globe Gear & Engineering Co., 24th & Perot, Phila., Pa.
Grant Gear Works ("Grant"), Pearl & Purchase, Boston, Mass.
See adv index at end of book
Hindley Gear Company, 1105 Frankford av, Phila., Pa.
See adv index at end of book
Horsburgh & Scott Co., 5110 Hamilton av, Cleveland, Ohio
Indianapolis Tool & Mfg. Co., 200H W South, Indianapolis, Ind.
INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
JAMES D. O. MFG. CO. ("James"), 1114-20 W Monroe, Chicago, Ill.
See adv index at end of book
Janney & Co., Montgomery, Ala.
Levene Motor Co., 2200 Diamond, Phila., Pa.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
McCracken Machine Wks., 487 N 29th, Portland, Ore.
Massachusetts Gear & Tool Co., Woburn, Mass.
Mechanical Specialties Mfg. Co., 1613 Washtenaw av, Chicago, Ill.
Medart Company, The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Meisel Press Mfg. Co. ("M. P." for automobiles), 945 Dorchester, Boston, Mass.
Meisselbach Catucci Mfg. Co., 56 Stanton, Newark, N. J.
See adv index at end of book
Merkle Korff Gear Co. ("Thorofine"), 213 N Morgan, Chicago, Ill.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
NILES-BEMENT-POND CO. ("Maag"), 111 Broadway, New York
See adv index at end of book



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Gears—Continued

Pennsylvania Gear Machine Co. ("Penn-maid"), E. Tioga, Weikel & Janney, Phila., Pa.
Phila. Gear Works, 1123 Vine, Phila., Pa.
See adv index at end of book
Phila. Roll & Machine Co., 52nd & Grays av, Phila., Pa.
Pittsburgh Gear & Machine Co. ("Pittsburgh"), 27th & Smallman, Pittsburgh, Pa.
Plamondon A. Mfg. Co., 5315 S Western blvd, Chicago, Ill.
POOLE ENGINEERING & MACHINE CO., Woodberry, Baltimore, Md.
See adv index at end of book
Pusey & Jones Co., Poplar & Front, Wilmington, Del.
Quaker City Gear Works, 1918H N Front, Phila., Pa.
Stahl Gear & Machine Co. ("Stahl"), 1390 E 40th, Cleveland, Ohio
Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.
Stevenson Gear Co., 11th & Cornell, Indianapolis, Ind.
Stranahan Gear Co., 17th & Wood, Phila., Pa.
Taylor Machine Co., 7804 Carnegie av, Cleveland, Ohio
Treadwell Engineering Co., Easton, Pa.
See adv index at end of book
Union Gear & Machine Co., 27H Purchase, Boston, Mass.
Van Dorn & Dutton Co., 2978 Woodhill Road, Cleveland, Ohio
Wappat Gear Works, Meade & Braddock av, Pittsburgh, Pa.
Weeks-Hoffman Co., Syracuse, N. Y.
Western Gear Works, 9th av S & King, Seattle, Wash.
Withers Foundry & Machine Works, Atlanta, Ga.

5369b— Gears (Aeroplane)

Grant Gear Works, Pearl & Purchase, Boston, Mass.
See adv index at end of book
Johnson Gear Co., 8th & Parker, Berkeley, Cal.
Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*
Quaker City Gear Works, 1918H N Front, Phila., Pa.

5369c— Gears (Angle)

Acme Gear Co., 7th & Wood, Phila., Pa.
Diefendorf Geor Corp., 324H Pearl, Syracuse, N. Y.
Dundore Mfg. Co., Reading, Pa.
Globe Gear & Engineering Co., 723 N 24th, Philadelphia, Pa.
Grant Gear Works, Pearl & Purchase, Boston, Mass. *See adv index at end of book*
James D. O. Mfg. Co., 1120 W Monroe, Chicago, Ill.
Johnson Gear Co., 8th & Parker, Berkeley, Cal.
Link-Belt Company, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Pennsylvania Gear & Machine Co. ("Penmaid"), E Tioga, Weikel & Janney, Phila., Pa.
Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*
Plamondon A. Mfg. Co., 5315 So Western blvd, Chicago, Ill.
POOLE ENGINEERING & MACHINE CO., Woodberry, Baltimore, Md.
See adv index at end of book
Quaker City Gear Works, 1918H N Front, Phila., Pa.
Webster Mfg. Co. (Lower), 4500-60 Cortland, Chicago, Ill.
See adv index at end of book

5370— Gears (Automobile)

Acme Gear Co., 7th & Wood, Phila., Pa.
Albaugh-Dover Co., 2122 Marshall blvd, Chicago, Ill.
See adv index at end of book
Allegheny Forging Co., Keenan bldg, Pittsburgh, Pa.
American Die & Tool Co., Reading, Pa.
Anderson Rolled Gear Co., Berea rd. & L. S. & M. S. Ry, Cleveland, O.
Blount Engineering Co., 100 High, Boston, Mass.
Brodie Ralph N. Co. ("Gear-O-Lite"), 1353 E 12th, Oakland, Cal.
Brown-Lipe-Chapin Co., Syracuse, N. Y.
Brown & Sharpe Mfg. Co., Providence, R. I.
Bultman F. H. Co. (The), 10271 Berea rd, Cleveland, Ohio
C. A. S. Products Co., Columbus, O.
Carpenter-Tew Gear Co., 67 35th, B'klyn, N. Y.
Chevrolet A. Co. (Flywheel Starter), 410 W 10th, Indianapolis, Ind.
Connecticut Gears, Inc. ("Connecticut"), 545 Cooke, Waterbury, Conn.
Cotta Transmission Co. ("Cotta" motor truck & tractor), Rockford, Ill.
Crofoot Gear Co., Inc., Readville, Mass.
Davis Rodney, 624 Race, Phila., Pa.
Diefendorf Gear Corp., 324H Pearl, Syracuse, N. Y.
Dundore Mfg. Co., 224 Orange, Reading, Pa.
Durston Gear Co., Syracuse, N. Y.
Earle Gear & Machine Co., 4707 Stenton, Philadelphia, Pa.
Federal Gear Co. of Cleveland, Cleveland, O.
FOOTE BROS. GEAR & MACHINE CO. (Silent Timing), 217 N Curtis, Chicago, Ill.
See adv index at end of book
FOOTE GEAR WORKS, 430 N Oakley blvd, Chicago
See adv index at end of book
Forg Peter Mfg. Co., 50 Park, Somerville, Mass.
Frost Gear & Forge Co., Jackson, Mich.
GANSCHOW WM. CO., 1017 Washington blvd, Chicago, Ill.
See adv index at end of book
Gerdes & Co., Inc., 42 Church, New York
See adv index at end of book
Gilbert Walter B. & Co., York, Pa.
GLEASON WORKS (Equalized), 1000 University av, Rochester, N. Y.
See adv index at end of book
Globe Gear & Engineering Co., 723 N 24th, Philadelphia, Pa.
GRANT GEAR WORKS, Pearl & Purchase, Boston, Mass.
See adv index at end of book
Hill-Smith Metal Goods Co., ("H.-S."), 82 Brookline av., Boston, Mass.
Indianapolis Tool & Mfg. Co. (Rear Axle Drive), 200H W South, Indianapolis, Ind.
James D. O. Mfg. Co., 1120 W Monroe, Chicago, Ill.
Johnson Gear Co., 8th & Parker, Berkeley, Cal.
Light Mfg. & Foundry Co., Pottstown, Pa.
Mann Mfg. Co., 454 Golden Gate av, San Francisco, Cal.
Massachusetts Gear & Tool Co., Woburn, Mass.
Mecca Machinery Co., 85-87 Adams, Brooklyn, N. Y.
Mechanics Machine Co. (Transmission), Rockford, Ill.
Meisel Press Mfg. Co., 942 Dorchester av, Boston, Mass.
Milwaukee Forge & Machine Co. ("M. F." ratio), 340 Oklahoma, Milwaukee, Wis.
Muncie Gear Works, Muncie, Ind.
National Bronze & Aluminum Foundry Co., 2529 E 79th, Cleveland, O.
New Process Gear Corp., Syracuse, N. Y.
Nilson-Miller Co., 50 13th, Hoboken, N. J.
Pacific Gear & Tool Wks., 1055 Folsom, San Francisco, Cal.
Park Drop Forge Co., 760 E 79th, Cleveland, O.
Pennsylvania Gear & Machine Co. ("Penmaid"), E. Tioga, Weikel & Janney, Phila., Pa.
Quaker City Gear Works, 1918H N Front, Phila., Pa.
Ross Gear & Tool Co., Lafayette, Ind.
Schnerr J. J. Co., 799 Golden Gate av, San Francisco, Cal.
Simmers G. P. & M. C., 123 So Main, Pomona, Cal.
Spacke Machine & Tool Co., Indianapolis, Ind.
Stevenson Gear Co., 1019 Cornell, Indianapolis, Ind.
Taylor Machine Co., 1921 E 61st, Cleveland, Ohio
Union Switch & Signal Co. (Forgings), Swissvale, Pa.
Vahan Products Co., 783 & St. Clair, Cleveland, O.
Van Dorn & Dutton Co., 2978 Woodhill, Cleveland, O.
Virtue & Pound Co., Owatonna, Minn.
Wall R. C. Mfg. Co., 1504 Vine, Phila., Pa.
Warner Gear Co. (Carbon & Alloy Steel), Muncie, Ind.
Warren Gear Products Co., Warren, Ohio
Western Gear Works, 9th av So & King, Seattle, Wash.
Williams J. H. & Co. (Forgings), 400 Vulcan, Buffalo, N. Y.

5371—Gears (Automobile Speed)

Albaugh-Dover Mfg. Co., 2122 Marshall blvd., Chicago, Ill.
See adv index at end of book
Diefendorf Gear Corp., 324H Pearl, Syracuse, N. Y.
Dundore Mfg. Co., Reading, Pa.
Grant Gear Works, Pearl and Purchase, Boston, Mass.
See adv index at end of book
James D. O. Mfg. Co., 1120 W Monroe, Chicago, Ill.
Meisel Press Mfg. Co., 942 Dorchester av, Boston, Mass.
Park Drop Forge Co., 760 E 79th, Cleveland, O.
Quaker City Gear Works, 1918H N Front, Phila., Pa.
Romort Manfg. Co. ("Romort"), Dept. H, Main and Hubbard, Oakfield, Wis.
Vahan Products Co., 783 & St. Clair, Cleveland, O.

5372—Gears (Automobile Steering)

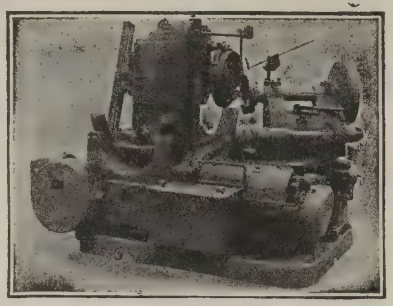
Albaugh-Dover Mfg. Co., 2122 Marshall blvd., Chicago, Ill.
See adv index at end of book
C. A. S. Products Co., 338H E 2nd av, Columbus, Ohio
Crofoot Gear Co., Inc., Readville, Mass.
Gemmer Mfg. Co., 2435 Merrick, Detroit, Mich.
Gleason Works, 1000 University av, Rochester, N. Y.
See adv index at end of book
Grant Gear Works, Pearl and Purchase, Boston, Mass.
See adv index at end of book
Horatt Jos. Mfg. Co., 417 Ferry, Lafayette, Ind.
Johnson Gear Co., 737 Folsom, San Francisco, Cal.
Meachem Gear Corp., Syracuse, N. Y.
See adv index at end of book
Quaker City Gear Works, 1918H N Front, Phila. Pa.
Ross Gear & Tool Co. ("Ross"), 300 Heath, Lafayette, Ind.
Sharp L. C. Mfg. Co., Plattsmouth, Neb.
Strong H. M. Steel Products Co. ("Steer Relief" for Fords), H. Whitney Power bldg, Cleveland, Ohio
Van Dorn & Dutton Co. ("Van Dorn"), 2978 Woodhill Road, Cleveland, Ohio
Wappat Gear Works, Mead & Braddock av, Pittsburgh, Pa.
Warner Corp., Muncie, Ind.
Wappat Gear Works, Meade & Braddock av, Pittsburgh, Pa.
Williams J. H. & Co. (Forgings), 400 Vulcan, Buffalo, N. Y.

SPIRAL BEVEL GEAR GENERATORS

For manufacturing Bevel Gears with spiral teeth. Fully automatic. The Gear tooth is developed by the generating process. A multibladed cutter being used.

Built in 4 sizes 4"-8"-15"-25"

Special purpose roughing machines for Spiral Bevel Gears and Pinions are also built.

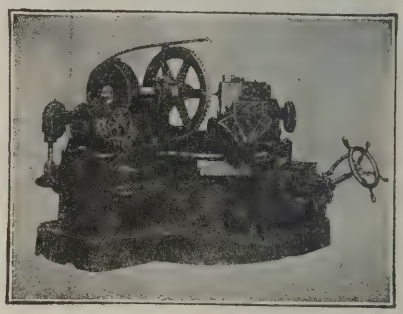


15" SPIRAL BEVEL GEAR GENERATOR

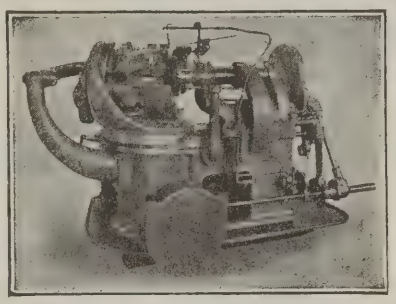
FORMING TYPE BEVEL GEAR PLANER

For producing straight tooth Bevel Gears in small lots as would be required for jobbing or repair work. A single tool machine especially designed for quick and easy changing from one job to another.

3 sizes 24" - 37" - 54"



24" BEVEL GEAR PLANER



18" STRAIGHT BEVEL GEAR PLANER

GENERATING TYPE

For manufacturing straight tooth Bevel Gears on a mass production basis. The tools operate with a shearing cut, assuring fine quality.

Two Tools---Universal---Fully Automatic
4 Sizes—3", 6", 18", 25"
Two Tools---Single Purpose---Fully Automatic
1 Size—8" Manufacturing Generator

Large Gear Planers are built as combination Bevel and Spur Gear Cutting Machines.

3 sizes 77"-120"-192"

All can be arranged to cut internal gears also. Tooling is inexpensive. Machines easy to set up and operate.

GLEASON WORKS

MANUFACTURE GEAR CUTTING MACHINES AND HAVE A WELL EQUIPPED GEAR CUTTING DEPARTMENT WHERE ALL KINDS OF GEARS ARE MADE TO CUSTOMERS' SPECIFICATIONS.

ROCHESTER, New York, U.S.A.

5372a—Gears (Bakelite Micarta)

ALBAUGH-DOVER MFG. CO., 2122 Marshall blvd, Chicago, Ill.
See adv index at end of book

Bond Foundry & Machine Co., Penn St., Manheim, Pa.

Boston Gear Works, Norfolk Downs, Quincy, Mass.
See adv index at end of book

BRAUN GEAR CORPN., 1323 Gates av, Brooklyn, N. Y.

Chicago Rawhide Mfg. Co. (The), 1307 Elston av, Chicago, Ill.
See adv index at end of book

Cincinnati Gear Co., The, 1825 Reading rd, Cincinnati, Ohio

Connecticut Gears, Inc. ("Connecticut"), 545 Cooke, Waterbury, Conn.

Diefendorf Gear Corp., 324H Pearl, Syracuse, N. Y.

Earle Gear & Machine Co., 4707 Stenton, Philadelphia, Pa.

Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn.
See adv index at end of book

Fawcus Machine Co., 2818-2828 Smallman, Pittsburgh, Pa.
See adv index at end of book

GERDES & CO., INC. (Also Rawhide, Fibre, etc. For silent drives mail old pinion or specifications and we will duplicate quickly), 42 Church, New York
See adv index at end of book

Grant Gear Works, Pearl & Purchase, Boston, Mass.
See adv index at end of book

Horsburgh & Scott Co., 5110 Hamilton av, Cleveland, Ohio

James D. O. Mfg. Co., 1120 W Monroe, Chicago, Ill.

Jones W. A. Foundry & Machine Co., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book

Massachusetts Gear & Tool Co., Woburn, Mass.

Philadelphia Gear Works, 1123 Vine, Phila, Pa. *See adv index at end of book*

PITTSBURGH GEAR & MACHINE CO., 27th & Smallman, Pittsburgh, Pa.
See adv index at end of book

Plamondon A. Mfg. Co., 5215 S Western blvd, Chicago, Ill.

Quaker City Gear Works, 1918H N Front, Phila., Pa.

Stevenson Gear Co., 1019 Cornell, Indianapolis, Ind.

5372b— Gears (Bevel)

Acme Gear Co., 7th & Wood, Phila., Pa.

ALBAUGH-DOVER MFG. CO., 2122 Marshall blvd, Chicago, Ill.
See adv index at end of book

American Die & Tool Co., Reading, Pa.

Automotive Gear Wks. ("Double Diamond"), 291 Marietta, Atlanta, Ga.

Bilgram Machine Works, 1231 Spring Garden, Phila., Pa.

Bond Foundry & Machine Co., Penn St., Manheim, Pa.

Boston Gear Works ("Boston"), Norfolk Downs, Quincy, Mass.
See adv index at end of book

Braun Gear Corp., 1323 Gates av, Brooklyn, N. Y.

Brown A. & F. Co., 79 Barclay, New York

CALDWELL & SON CO. H. W., 1700 S Western av, Chicago, Ill.

Christiana Mach. Co., Dept. H, Christiana, Pa.

Cincinnati Gear Co., The, 1825 Reading rd, Cincinnati, Ohio

Diamond State Fibre Co., Dept. 87, Bridgeport, Pa.
See adv index at end of book

Diefendorf Gear Corp., 324H Pearl, Syracuse, N. Y.

Earle Gear & Machine Co., 4707 Stenton, Philadelphia, Pa.

Federal Gear Co. of Cleveland, Cleveland, O.

Fitz Water Wheel Co., Hanover, Pa.

FOOTE BROS. GEAR & MACHINE CO., 217 N Curtis, Chicago
See adv index at end of book

GANSCHOW WM. CO. (and Mitre), 1017 Washington blvd, Chicago, Ill.
See adv index at end of book

GERDES & CO., INC., 42 Church, New York
See adv index at end of book

Grant Gear Works, Pearl and Purchase, Boston, Mass.
See adv index at end of book

Hindley Gear Company, 1105 Frankford av, Phila, Pa. *See adv index at end of book*

Horsburgh & Scott Co., 5110 Hamilton av, Cleveland, Ohio

JAMES D. O. MFG. CO. ("James"), 1114-20 Monroe, Chicago, Ill.
See adv index at end of book

JONES W. A. FOUNDRY & MACHINE CO., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book

Levene Motor Co., 2300 Diamond, Phila., Pa.

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

Massachusetts Gear & Tool Co., Woburn, Mass.

Medart Company, The, 3600 De Kalb, St. Louis, Mo. *See adv index at end of book*

Meisel Press Mfg. Co., 945 Dorchester, Boston, Mass.

Mackintosh-Hemphill Co., 12 & Etna, Pittsburgh, Pa.

Nilson-Miller Co., 50 13th, Hoboken, N. J.

Pennsylvania Gear & Machine Co. ("Penmaid"), E. Tioga, Weikel & Janney, Phila., Pa.

Philadelphia Gear Works, 1123 Vine, Phila, Pa. *See adv index at end of book*

PITTSBURGH GEAR & MACHINE CO. ("Pittsburgh"), 27th & Smallman, Pittsburgh, Pa.
See adv index at end of book

Plamondon A. Mfg. Co., 5315 S Western blvd, Chicago, Ill.

POOLE ENGINEERING & MACHINE CO., Woodberry, Baltimore, Md.
See adv index at end of book

Process Gear Co., 500H Plum, Syracuse, N. Y.

Pusey & Jones, H Poplar, Wilmington, Del.

Quaker City Gear Works, 1918H N Front, Phila., Pa.

Schnerr J. J. Co., 799 Golden Gate av, San Francisco, Cal.

Simonds Mfg. Co., Liberty and 25th, Pittsburgh, Pa.

Smith S. Morgan Co., P. O. Box 667, York, Pa.

Stahl Gear & Machine Co., 1390 E 40th, Cleveland, O.

Stevenson Gear Co., 1019 Cornell, Indianapolis, Ind.

Taylor Machine Co., 7804H Carnegie av, Cleveland, Ohio

Treadwell Engineering Co., Easton, Pa.
See adv index at end of book

Van Dorn & Dutton Co. (Automotive Drive), 2978 Woodhill Road, Cleveland, Ohio

Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

Weekes Hoffman Co., Syracuse, N. Y.

Worcester Gear Works, Inc., 18 Grafton, Worcester, Mass.

5373—Gears (Boom Swinging)

Clyde Iron Works Sales Co., Duluth, Minn.
See adv index at end of book

Dake Engine Co., Grand Haven, Mich.

English Iron Wks. Co., Leeds, Mo.

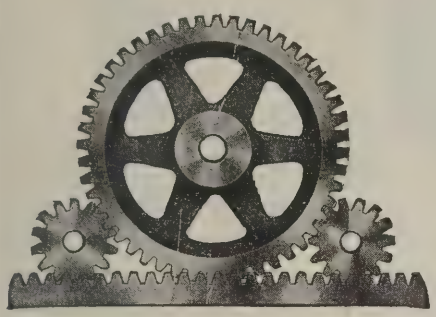
Grant Gear Works, Pearl & Purchase, Boston, Mass. *See adv index at end of book*

Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.

Meisel Press Mfg. Co. (Medium Pitch), 941 Dorchester av, Boston, Mass.

GRANT GEAR WORKS

Pearl cor. Purchase Street BOSTON, MASS.

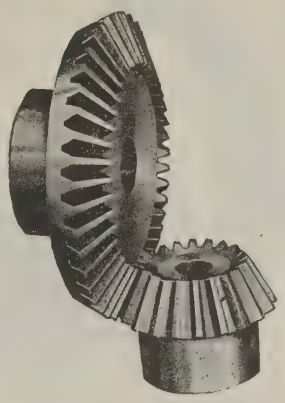


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Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.
Philadelphia Gear Works, 1123 Vine, Phila, Pa. *See adv index at end of book*
Quaker City Gear Works, 1918H N Front, Phila., Pa.

5373a— Gears (Brass)

Acme Gear Co., 7th & Wood, Phila., Pa.
ALBAUGH-DOVER MFG. CO., 2122 Marshall blvd, Chicago, Ill.
See adv index at end of book
American Safety Lamp and Mine Supply Co., 1327 Capouse av, Scranton, Pa.
Boston Gear Works, Norfolk Downs, Quincy, Mass.
See adv index at end of book
Cincinnati Gear Co., The, 1825 Reading rd, Cincinnati, Ohio
Connecticut Gears, Inc. ("Connecticut"), 545 Cooke, Waterbury, Conn.
Crescent City Machine & Mfg. Works, 631 Tchoupitoulas, New Orleans, La.
Diefendorf Gear Corp., Syracuse, N. Y.
Earle Gear & Machine Co., 4707 Stenton, Philadelphia, Pa.
FOOTE BROS. GEAR & MACHINE CO., 217 N Curtis, Chicago
See adv index at end of book
GERDES & CO., INC., 42 Church, New York
See adv index at end of book
Grant Gear Works, Pearl and Purchase, Boston, Mass.
See adv index at end of book
Hindley Gear Company, 1105 Frankford av, Phila., Pa.
See adv index at end of book
Horsburgh & Scott Co., 5110 Hamilton av, Cleveland, Ohio
James D. O. Mfg. Co., 1120 W Monroe, Chicago, Ill.
Massachusetts Gear & Tool Co., Woburn, Mass.
Philadelphia Gear Works, 1123 Vine, Phila, Pa. *See adv index at end of book*
Pittsburgh Gear & Machine Co., 27th & Smallman, Pittsburgh, Pa.
See adv index at end of book
Plamondon A. Mfg. Co., 5215 S Western blvd, Chicago, Ill.
Pusey & Jones, H Poplar, Wilmington, Del.
Quaker City Gear Works, 1918H N Front, Phila., Pa.
Stevenson Gear Co., 1019 Cornell, Indianapolis, Ind.
Taylor Machine Co., 1921 E 61st, Cleveland, Ohio
Wilkin Geo. H. Co., 180 N Market, Chicago, Ill.

5374—Gears (Brick Machinery)

Albaugh-Dover Mfg. Co., 2122 Marshall blvd, Chicago, Ill.
See adv index at end of book
Bond Foundry & Machine Co., Penn St., Manheim, Pa.
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
FOOTE GEAR WORKS, 430 N Oakley blvd, Chicago
See adv index at end of book
Grant Gear Works, Pearl and Purchase, Boston, Mass *See adv index at end of book*
Horsburgh & Scott Co., 5110 Hamilton av, Cleveland, Ohio
James D. O. Mfg. Co., 1120 W Monroe, Chicago, Ill.
Johnson Gear Co., 737 Folsom, San Francisco, Cal.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.
Philadelphia Gear Works, 1123 Vine, Phila, Pa. *See adv index at end of book*
Plamondon A. Mfg. Co., 5315 So Western blvd, Chicago, Ill.
Quaker City Gear Works, 1918H N Front, Phila., Pa.

5374a— Gears (Bronze)

Acme Gear Co., 7th & Wood, Phila., Pa.
ALBAUGH-DOVER MFG. CO., 2122 Marshall blvd, Chicago, Ill.
See adv index at end of book
Am. Manganese Bronze Co., 3501 Rhawn, Phila., Pa.
Boston Gear Works, Norfolk Downs, Quincy, Mass.
See adv index at end of book
Cincinnati Gear Co., The, 1825 Reading rd, Cincinnati, Ohio
Connecticut Gears, Inc. ("Connecticut"), 545 Cooke, Waterbury, Conn.
Earle Gear & Machine Co., 4707 Stenton, Philadelphia, Pa.
FOOTE BROS. GEAR & MACHINE CO., 217 N Curtis, Chicago
See adv index at end of book
Grant Gear Works, Pearl and Purchase, Boston, Mass *See adv index at end of book*
Hindley Gear Company, 1105 Frankford av, Phila., Pa.
See adv index at end of book
James D. O. Mfg. Co., 1120 W Monroe, Chicago, Ill.
Jones W. A. Foundry & Machine Co., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book
Massachusetts Gear & Tool Co., Woburn, Mass.
Mobile Stove & Pulley Mfg. Co., Mobile, Ala.
Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*
Stevenson Gear Co., 1019 Cornell, Indianapolis, Ind.
Williams J. H. & Co., 31 Richards, Brooklyn, N. Y.

5374a1— Gears (Cane Mill)

Diefendorf Gear Corp., Syracuse, N. Y.
Dundore Mfg. Co., Reading, Pa.
Earle Gear & Machine Co., 4707 Stenton, Philadelphia, Pa.
Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn.
See adv index at end of book
Fawcus Machine Co. (Up to 20" Dia), 2818-2828 Smallman, Pittsburgh, Pa.
See adv index at end of book
Fulton Iron Works Co., 1259 Delaware av, St. Louis, Mo.
Grant Gear Works, Pearl and Purchase, Boston, Mass *See adv index at end of book*
Hindley Gear Company, 1105 Frankford av, Phila., Pa.
See adv index at end of book
Horsburgh & Scott Co., 5110 Hamilton av, Cleveland, Ohio
James D. O. Mfg. Co., 1120 W Monroe, Chicago, Ill.
Pittsburgh Gear & Machine Co., 27th & Smallman, Pittsburgh, Pa.
See adv index at end of book
Quaker City Gear Works, 1918H N Front, Phila., Pa.
Van Dorn & Dutton Co., 2978 Woodhill rd, Cleveland, Ohio

5375— Gears (Car Motor)

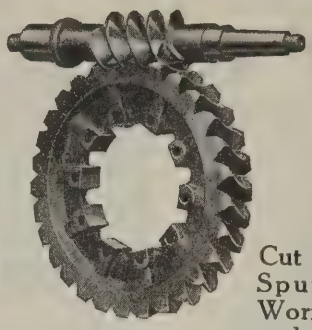
Albaugh-Dover Mfg. Co., 2122 Marshall blvd, Chicago, Ill.
See adv index at end of book
Dundore Mfg. Co., Reading, Pa.
FOOTE GEAR WORKS, 430 N Oakley blvd, Chicago
See adv index at end of book
GENERAL ELECTRIC CO. (Steel), Schenectady, N. Y.
See adv index at end of book
GERDES & CO., INC., 42 Church, New York
See adv index at end of book
Gilbert Walter B. & Co., York, Pa.
Grant Gear Works, Pearl & Purchase, Boston, Mass. *See adv index at end of book*
James D. O. Mfg. Co., 1120 W Monroe, Chicago, Ill.
Johnson Gear Co., 8th & Parker, Berkeley, Cal.
McNab Co. ("McNab Steamship"), Bridgeport, Conn.
National Malleable Castings Co., 10606 Quincy av, Cleveland, Ohio
Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.
PHILADELPHIA GEAR WORKS, 1123 Vine, Phila., Pa.
See adv index at end of book
Quaker City Gear Works, 1918H N Front, Phila., Pa.

5375a— Gears (Cast Iron)

Acme Gear Co., 7th & Wood, Phila., Pa.
Am. Die & Tool Co., Reading, Pa.
Bethlehem Steel Co. (& Steel), Bethlehem, Pa.
Bond Foundry & Machine Co., Penn St., Manheim, Pa.
Boston Gear Works, Norfolk Downs, Quincy, Mass.
See adv index at end of book
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Christiana Mach. Co. (Cast Tooth), Dept H, Christiana, Pa.
Connecticut Gears, Inc. ("Connecticut"), 545 Cooke, Waterbury, Conn.
Conveyor Co., 140 W Elmyra, Los Angeles, Cal.
Diefendorf Gear Corp., Syracuse, N. Y.
Dundore Mfg. Co., Reading, Pa.
Earle Gear & Machine Co., 4707 Stenton, Philadelphia, Pa.
Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn.
See adv index at end of book
Fitz Water Wheel Co., Hanover, Pa.
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Fulton Iron Works Co., 1259 Delaware av, St. Louis, Mo.
GERDES & CO., INC., 42 Church, New York
See adv index at end of book
Grant Gear Works, Pearl and Purchase, Boston, Mass *See adv index at end of book*
Horsburgh & Scott Co., 5110 Hamilton av, Cleveland, Ohio
James D. O. Mfg. Co., 1120 W Monroe, Chicago, Ill.
Johnson Gear Co., 8th & Parker, Berkeley, Cal.
JONES W. A. FOUNDRY & MACHINE CO., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Massachusetts Gear & Tool Co., Woburn, Mass.
Medart Company, The, 3500 De Kalb, St Louis, Mo. *See adv index at end of book*
Mobile Stove & Pulley Mfg. Co., Mobile, Ala.
Nilson-Miller Co., 50 13th, Hoboken, N. J.

(Continued on following page)

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ALBAUGH-DOVER MFG. CO., 2122 Marshall Boulevard, Chicago, Ill.

Gears (Cast Iron)—Continued

Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*
Phila. Roll & Machine Co., 52nd & Grays av, Phila., Pa.
PITTSBURGH GEAR & MACHINE CO., 27th & Smallman, Pittsburgh, Pa. *See adv index at end of book*
Plamondon A. Mfg. Co., 5315 So Western blvd, Chicago, Ill.
Pusey & Jones, H Poplar, Wilmington, Del.
PYOTT FOUNDRY CO. (Tooth), 330 N Sangamon, Chicago *See adv index at end of book*
Smith S. Morgan Co., P. O. Box 667, York, Pa.
Smith & Watson Iron Works, 400 Front, Portland, Ore.
Stevenson Gear Co., 1019 Cornell, Indianapolis, Ind.
Taylor Machine Co., 1921 E 61st, Cleveland, Ohio
Treadwell Enginering Co., Easton, Pa. *See adv index at end of book*
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

5376—Gears (Cement Machinery)

See also Gears, Cut; also Gears, Machine Molded

Albaugh-Dover Mfg. Co., 2122 Marshall blvd, Chicago, Ill. *See adv index at end of book*
Allis-Chalmers Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
Bond Foundry & Machine Co., Penn St., Manheim, Pa.
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Conveyor Co., 140 W Elmyra, Los Angeles, Cal.
Diefendorf Gear Corp., 324H Pearl, Syracuse, N. Y.
Earle Gear & Machine Co., 4707 Stenton, Philadelphia, Pa.
Foote Bros. Gear & Machine Co., 217 N Curtis, Chicago, Ill.
FOOTE GEAR WORKS, 430 N Oakley blvd Chicago *See adv index at end of book*
Fuller-Lehigh Co., Fullerton, Pa. *See adv index at end of book*
Gerdes & Co., 42 Church, New York *See adv index at end of book*
Grant Gear Works, Pearl and Purchase, Boston, Mass *See adv index at end of book*
James D. O. Mfg. Co., 1120 W Monroe, Chicago, Ill.
Johnson Gear Co., 737 Folsom, San Francisco, Cal.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.
Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*
Pittsburgh Gear & Machine Co., 27th & Smallman, Pittsburgh, Pa. *See adv index at end of book*
Plamondon A. Mfg. Co., 5315 So Western blvd, Chicago, Ill.
Quaker City Gear Works, 1918H N Front, Phila., Pa.
Tool Steel Gear & Pinion Co., Center av, near Big 4 R. R., Elmwood, Cincinnati, Ohio

5376a—Gears (Charcoal Iron)

Dundore Mfg. Co., Reading, Pa.
Fuller-Lehigh Co., Fullerton, Pa. *See adv index at end of book*
Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*
Phila. Roll & Machine Co., 52nd & Grays av, Phila., Pa.

5377—Gears (Clock, Meter, Instrument, Etc.)

Connecticut Gears, Inc. ("Connecticut"), 545 Cooke, Waterbury, Conn.
Grant Gear Works, Pearl and Purchase, Boston, Mass *See adv index at end of book*
Massachusetts Gear & Tool Co., Woburn, Mass.
Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*
PLUMB D. S. (Small Gears & Pinions for All Purposes), 73-77 Norfolk, near Central av, Newark, N. J. *See adv index at end of book*

5377a— Gears (Cloth)

GERDES & CO., INC. (Also Rawhide, Fibre, Micarta Pinions for Silent Drives, mail old pinion or specifications and we will duplicate quickly), 42 Church, New York *See adv index at end of book*
Grant Gear Works, Pearl and Purchase Boston, Mass *See adv index at end of book*
James D. O. Mfg. Co., 1120 W Monroe, Chicago, Ill.
Massachusetts Gear & Tool Co., Woburn, Mass.
Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*

5377b—Gears (Compensating)

Dundore Mfg. Co., Reading, Pa.
Grant Gear Works, Pearl and Purchase Boston, Mass. *See adv index at end of book*
Johnson Gear Co., 8th & Parker, Berkeley, Cal.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
MORSE CHAIN CO., Ithaca, N. Y. *See adv index at end of book*
Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*
Quaker City Gear Works, 1918H N Front, Phila., Pa.

5378— Gears (Cut)

Acme Gear Co. 7th & Wood, Phila., Pa.
Akron Gear & Engineering Co., 55 E South, Akron, O.
ALBAUGH-DOVER MFG. CO. (Also Helical Cut), 2122 Marshall blvd, Chicago, Ill. *See adv index at end of book*
Alling-Lander Co., Inc., ("Alling Lander"), Sodus, N. Y.

(*Continued on page* 1142)

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The World's Standard for Every Purpose—Cast Iron, Steel, Bronze, Rawhide, Micarta

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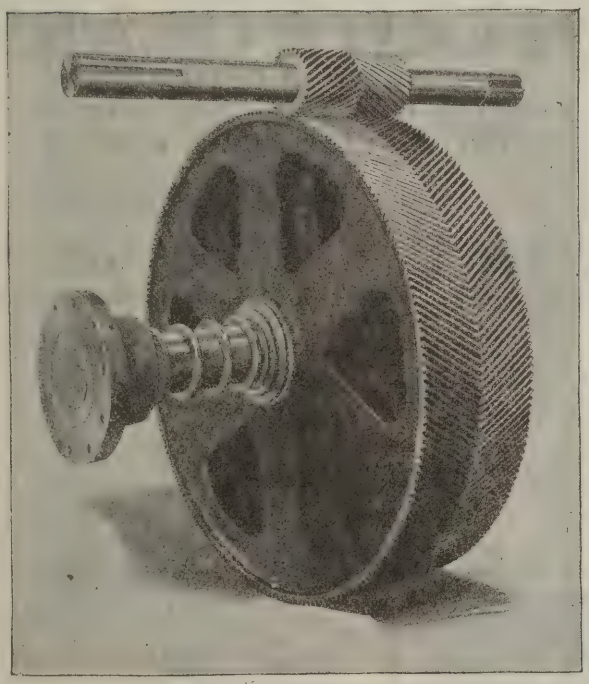
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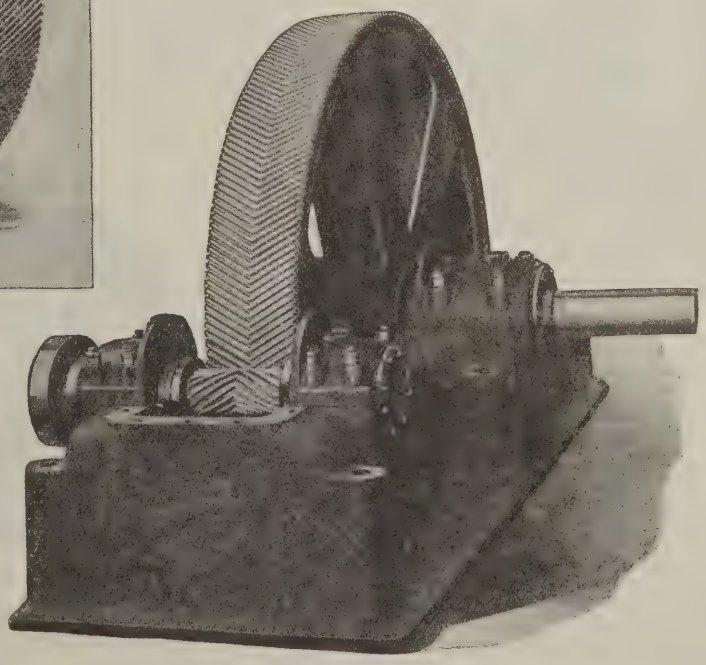


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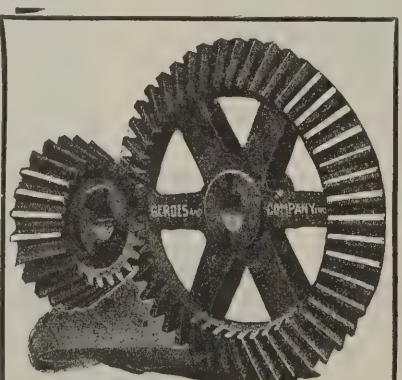
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American Die & Tool Co., Reading, Pa.
American Safety Lamp & Mine Supply Co., 1327 Capouse av, Scranton, Pa.
Arthur Co., Produce Exchange, New York
Autoscrew Company, 355 W B'way, New York *See adv index at end of book*
Bethlehem Steel Co., Bethlehem, Pa.
Bickett Machine & Mfg. Co., Cincinnati, O.
Bilgram Machine Works, 1235 Spring Garden, Phila., Pa.
Bilton Machine Tool Co. (The), Bridgeport, Conn.
Blount Engineering Co., 100 High, Boston, Mass.
Bond Foundry & Machine Co., Penn St., Manheim, Pa.
BOSTON GEAR WORKS ("Boston," Standardized in Stock), Norfolk Downs, Quincy, Mass.
See adv index at end of book
Bosworth-Ard Machine & Foundry Co., Anniston, Ala.
BRAUN GEAR CORP. (Spur, Spiral, Helical, Internal, Worm & Bevel, in any material. Prompt delivery on Bakelite-Micarta Pinions), 1323 Gates av, Brooklyn, N. Y.
Brodie Ralph N. Co. ("Gear-O-Light"), 1353 E 12th, Oakland, Cal.
Brown A. & F. Co., 79 Barclay, New York.
Brown & Sharpe Mfg. Co., Providence, R. I.
Bultman F. H. Co. (The), 10271 Berea rd, Cleveland, Ohio
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Caldwell W. E. Co., Louisville, Ky.
California Gear Works, 2132 Folsom, San Francisco, Cal
Carpenter-Tew Gear Co., 67 35th, Brooklyn, N. Y.
Catskill Foundry & Mach. Co., Catskill, N. Y.
Chicago Rawhide Mfg. Co. (The), 1307 Elston av, Chicago, Ill.
See adv index at end of book
Christiana Mach. Co., Dept. H, Christiana, Pa.
CINCINNATI GEAR CO., THE, 1825 Reading rd, Cincinnati, Ohio
Cincinnati Gear Cutting Machine Co. (Spur), Elam & Garrard av, Cincinnati, O.
Cleveland Worm & Gear Co., 1667 E 40th, Cleveland, O.
Cohoes Iron Fdry & Mach. Co., Cohoes, N. Y.
Connecticut Gears, Inc. ("Connecticut"), 545 Cooke, Waterbury, Conn.
Cresson-Morris Co., Allegheny & 18th, Philadelphia, Pa.
Crofoot Gear Co., Inc., Readville, Mass.
Cross Gear & Engine Co. (Spiral, Worm, Bevel Spur, etc), 3250 Bellevue, Detroit, Mich.
Detroit Gear & Machine Co., 670 E. Woodbridge, Detroit, Mich.



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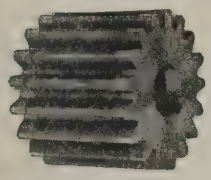
Diefendorf Gear Co., Syracuse, N. Y.
Dundore Mfg. Co., 224 Orange, Reading, Pa.
Earle Gear & Machine Co. (Of All Descriptions), 4707 Stenton, Phila., Pa.
Eastwood Benj. Co., Paterson, N. J.
Elec. Novelty Works, 965 Howard, San Francisco, Cal.
FARREL FOUNDRY & MACHINE CO. (Machine Cut, Spur Cut, "Sykes" Continuous Tooth Double Helical), 30 Main, Ansonia, Conn.
See adv index at end of book
FAWCUS MACHINE CO. (Spur, Bevel, Worm & Herringbone), 2818-2828 Smallman, Pittsburgh, Pa.
See adv index at end of book
Flather Mfg. Co. (Steel C. I., etc.), Nashua, N. H
FOOTE BROS. GEAR & MACHINE CO. ("I. X. L."), 217 N Curtis, Chicago, Ill.
See adv index at end of book
FOOTE GEAR WORKS, 430 N Oakley blvd, Chicago
See adv index at end of book
Frost Gear & Forge Co. (Bevel, Spiral, Spur), Jackson, Mich.
Fulton Iron Works Co., 1259 Delaware av, St. Louis, Mo.
Gale O. M. Tool & Machy. Co., 303 Wallace, Syracuse, N. Y.
GANSCHOW WM. CO. (All Kinds), 1017 Washington blvd, Chicago, Ill.
See adv index at end of book
Gear Grinding Machine Co., Christopher & Covant, Detroit, Mich.
General Mach. Wks., York, Pa.
GERDES & CO., 42 Church, New York.
See adv index at end of book
Gilbert Walter B. & Co., York, Pa.
GLEASON WORKS, 1000 University av, Rochester, N. Y.
See adv index at end of book
Globe Gear & Engineering Co., Dept. H, 723 N 24th, Philadelphia, Pa.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Grant Gear Works, Pearl & Purchase, Boston, Mass.
See adv index at end of book
Gray Machine & Parts Corp., Dept. H, Batavia, N. Y.
Great Western Mfg. Co., Leavenworth, Kans.
Hardinge Bros., Inc., 1770 Bertau av, Chicago, Ill.
Harris Pump & Supply Co., 318 Second av, Pittsburgh, Pa.
See adv index at end of book
HINDLEY GEAR CO., 1105 Frankford av, Phila., Pa.
See adv index at end of book
Holyoke Machine Co., Holyoke, Mass.
Horsburgh & Scott Co., 5110 Hamilton av, Cleveland, Ohio

(Continued on following page)

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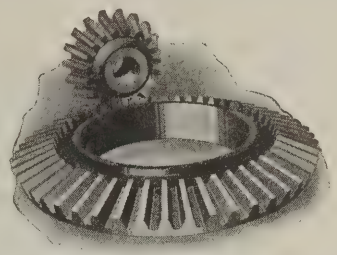


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Jeffrey Mfg. Co., 961 N. Fourth, Columbus, O. *See adv index at end of book*

Johnson Gear Co., 8th & Parker, Berkeley, Cal.

Johnson-Weaver Chain Co., Lebanon, Pa.

Jolly J. & W. (Spur & Bevel), Holyoke, Mass.

Jones E. D. & Sons Co. (Bevel, Mitre, Mortise Spur, etc), Pittsfield, Mass.

Jones Gear Co., Wayside rd & Nickel Plate R. R., Cleveland, O.

JONES W. A. FOUNDRY & MACHINE CO., 4442 W Roosevelt rd, Chicago, Ill. *See adv index at end of book*

Jurack Chas., 201 Oregon, Milwaukee, Wis.

Keystone-Hindley Gear Co., Pennsylvania bldg, Phila., Pa.

Lake Shore Engine Works (Spur Gears up to 20 ft. in Diameter & 18 Face), Marquette, Mich.

Lauer Jno. Machine Co., 110 St. Antoine, Detroit, Mich.

Lees-Bradner Co., Cleveland, O.

LINK-BELT COMPANY (Bevel, Mitre, Spur, etc.), 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*

Mackintosh-Hemphill Co., 12th & Etna, Pittsburgh, Pa.

Massachusetts Gear & Tool Co., 30 Nashua, **Woburn, Mass.**

MEACHEM GEAR CORP., Syracuse, N. Y. *See adv index at end of book*

Mecca Machinery Co., 85-87 Adams, Brooklyn, N. Y.

MEDART COMPANY, THE, 3500 De Kalb. St. Louis, Mo. *See adv index at end of book*

Meisel Press Mfg Co, 942 Dorchester av, Boston, Mass

Meisselbach-Catucci Mfg. Co. (Small Spur & Spiral), 56 Stanton, Newark, N. J. *See adv index at end of book*

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Pittsburgh. Pa., U. S. A.

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Mitchell J. F. Machine & Gear Works, 840 Folsom, San Francisco, Cal.

Mobile Stove & Pulley Mfg. Co., Mobile, Ala.

Modern Machinery Co., Wilmington, Del.

Morley Mach. Corp'n, 814 St. Paul, Rochester, N. Y

Morrison J. S. Co., Oliver bldg, Pittsburgh, Pa.

Newark Gear Cutting Machine Co. (All Kinds), 69 Prospect, Newark, N. J.

New Process Gear Corp. (Metal), Syracuse, N. Y.

New York Gear Works, 56 Greenpoint av, Brooklyn, N. Y.

Nilson-Miller Co. (Bevel Spur), 50 13th, Hoboken, N. J.

Nordyke & Marmon Co. (Mitre, Iron, Spur, Bevel, Mortise, etc.), Kentucky av & Morris, Indianapolis, Ind.

Nuttall R. D. Co. (Spur, Internal, Bevel, Mitre, Spiral, Worm & Herringbone), McCandless & Harrison av, Pittsburgh, Pa.

Ohio Machine Tool Co., Kenton, O

Pacific Gear & Tool Works, 1035 Folsom, San Francisco, Cal.

Pennsylvania Gear & Machine Co. ("Penmaid"), E Tioga, Weikel & Janney, Phila., Pa.

PHILADELPHIA GEAR WORKS, 1123 Vine, Phila., Pa. *See adv index at end of book*

PITTSBURGH GEAR & MACH. CO., 27th & Smallman, Pittsburgh, Pa. *See adv index at end of book*

Plamondon A. Mfg. Co., 5315 S Western blvd, Chicago, Ill.

PLUMB D. S. (Small Gears & Pinions, for Clocks, Meters, Gauges, etc.), 73-77 Norfolk, near Central av, Newark, N. J. *See adv index at end of book*

POOLE ENGINEERING & MACHINE CO., Woodberry, Baltimore, Md. *See adv index at end of book*

Portland Iron Works, 14th & Northrup, Portland, Me.

Pusey & Jones Co., Dept. H, Poplar & Front, Wilmington, Del.

Quaker City Gear Works, 1918H N Front, Phila., Pa.

Ross Machine Co., Lafayette, Ind.

Sawyer Gear & Mfg. Co., 5120 St. Clair, N E, Cleveland, O.

Schnerr J. J. Co., 799 Golden Gate av, San Francisco, Cal.

Sier-Bath Co., 143 W 54th, New York

Simonds Mfg Co, Liberty & 25th, Pittsburgh, Pa.

Sipp Machine Co., Paterson, N. J.

Smith S. Morgan Co., P. O. Box 667, York, Pa.

Smith & Watson Iron Works, 400 Front, Portland, Ore.

Sommerfeld Machine & Mfg. Co. (Bevel, Mortise, Spur, etc), Cast Iron or Brass), 216 2d av, Pittsburgh, Pa.

Stahl Gear & Machine Co., 1390 E 40th, Cleveland, O.

Standard Fibre Co., Miller st, Somerville, Mass.

Stevenson Gear Co., 1019 Cornell, Indianapolis, Ind.

Syracuse Raw Hide Mfg. Co. (Cut Raw Hide & Metal), Syracuse, N. Y.

Taylor Machine Co., 1921 E 61st, Cleveland, Ohio

Taylor-Wilson Mfg. Co., McKeees Rocks, Pa.

Treadwell Engineering Co., Easton, Pa. *See adv index at end of book*

Tool Steel Gear & Pinion Co., Center av near Big 4 R. R., Elmwood, Cincinnati, Ohio

Turley Gear & Machine Co., 1505 N 10th, St. Louis, Mo.

United Iron Works Co., Inc., Kansas City, Mo.

Van Dorn & Dutton Co., 2978 Woodhill, Cleveland, O.

Vulcan Iron Works, Wilkes-Barre, Pa.

Wappat Gear Works, Meade & Braddock av, Pittsburgh, Pa.

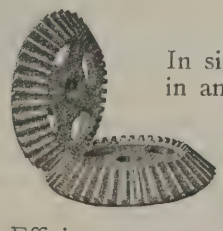
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(*Continued on page* 1144)

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Gears (Cut)—Continued

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Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Western Gear Works, 9th av So & King, Seattle, Wash.
Western Rawhide & Belting Co., 917 Winnebago, Milwaukee, Wis.
Worcester Gear Works, Inc., 18 Grafton, Worcester, Mass.
Yaxley Manfg. Co., 1101 W Monroe, Chicago, Ill.

5378a— Gears (Die-Cast)

Franklin Die-Casting Corp., Gifford & Magnolia, Syracuse, N. Y.
See adv index at end of book

5378b— Gears (Die-Molded)

Franklin Die-Casting Corp., Gifford & Magnolia, Syracuse, N. Y.
See adv index at end of book

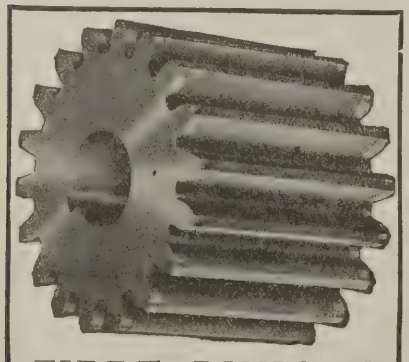
5379— Gears (Fan Motor)

Dundore Mfg. Co., Reading, Pa.
FOOTE GEAR WORKS, 430 N Oakley blvd, Chicago
See adv index at end of book
Grant Gear Works, Pearl & Purchase, Boston, Mass. *See adv index at end of book*
Johnson Gear Co., 737 Folsom, San Francisco, Cal.
Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.
Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*
Quaker City Gear Works, 1918H N Front, Phila., Pa.

5380— Gears (Fibre)

See also Gears, Cut

ALBAUGH-DOVER CO., 2122 Marshall blvd, Chicago, Ill.
See adv index at end of book
Brodie Ralph N. Co. ("Gear-O-Light"), 1353 E 12th, Oakland, Cal.
Bultman F. H. Co. (The), 10271 Berea rd, Cleveland, Ohio
Chicago Rawhide Mfg. Co. (The), 1307 Elston av, Chicago
See adv index at end of book
DELAWARE HARD FIBRE CO. ("Egyptian"), Wilmington, Del.
See adv index at end of book
DIAMOND STATE FIBRE CO., Dept. 37, Bridgeport, Pa.
See adv index at end of book
Diefendorf Gear Corp., Syracuse, N. Y.
Dundore Mfg. Co., Reading, Pa.
FOOTE GEAR WORKS, 430 N Oakley blvd, Chicago
See adv index at end of book
GANSCHOW WM. CO., 1017 Washington blvd, Chicago, Ill.
See adv index at end of book
GERDES & CO., INC., 42 Church, New York
See adv index at end of book



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Grant Gear Works, Pearl & Purchase, Boston, Mass. *See adv index at end of book*
Iten Fibre Co., 2358 E 67th, Cleveland, O.
See adv index at end of book
James D. O. Mfg. Co., 1120 W Monroe, Chicago, Ill.
Johnson Gear Co., 737 Folsom, San Francisco, Cal.
Massachusetts Gear & Tool Co., Woburn, Mass.
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.
Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*
Pittsburgh Gear & Machine Co., 27th & Smallman, Pittsburgh, Pa.
See adv index at end of book
Plamondon A. Mfg. Co., 5315 So Western blvd, Chicago, Ill.
Quaker City Gear Works, 1918H N Front, Phila., Pa.
Stevenson Gear Co., 1019 Cornell, Indianapolis, Ind.
Van Dorn & Dutton Co., 2978 Woodhill rd, Cleveland, Ohio
Wilmington Fibre Specialty Co., Wilmington, Del.
Worcester Gear Works, Inc., 18 Grafton, Worcester, Mass.

5381—Gears for Steam Shovels, Dredges, Etc.

Bond Foundry & Machine Co., Penn St., Manheim, Pa.
Earle Gear & Machine Co., 4707 Stenton, Philadelphia, Pa.
FALK CORP., ft. of 30th Milwaukee, Wis.
See adv index at end of book
FOOTE BROS. GEAR & MACHINE CO., 217 N Curtis, Chicago
See adv index at end of book
FOOTE GEAR WORKS, 430 N Oakley blvd, Chicago
See adv index at end of book
GERDES & CO., INC., 42 Church, New York
See adv index at end of book
Grant Gear Works, Pearl & Purchase, Boston, Mass. *See adv index at end of book*
Horsburgh & Scott Co., 5110 Hamilton av, Cleveland, Ohio
James D. O. Mfg. Co., 1120 W Monroe, Chicago, Ill.
Johnson Gear Co., 737 Folsom, San Francisco, Cal.
Medart Company, The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Mobile Stove & Pulley Mfg. Co., Mobile, Ala.
Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.
Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*
Pittsburgh Gear & Machine Co., 27th & Smallman, Pittsburgh, Pa.
See adv index at end of book
Plamondon A. Mfg. Co., 5315 So Western blvd, Chicago, Ill.
POOLE ENGINEERING & MACHINE CO., Woodberry, Baltimore, Md.
See adv index at end of book
Quaker City Gear Works, 1918H N Front, Phila., Pa.

5381a— Gears (Formica)

Bultman F. H. Co., The, 10271 Berea rd, Cleveland, Ohio
See adv index at end of book
Carpenter-Tew Gear Co., 67 35th, Brooklyn, N. Y.
Cincinnati Gear Co., The, 1825 Reading rd, Cincinnati, Ohio
Formica Insulation Co., 4614 Spring Grove av, Cincinnati, Ohio
Natish Gear Works, Inc., 451 Hudson av, Brooklyn, N. Y.

5382—Gears (Friction Clutch)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Bond Foundry & Machine Co., Penn St., Manheim, Pa.
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Cadwell W. E. Co., Louisville, Ky.
Dodge Mfg. Corp., Mishawaka, Ind.
Dundore Mfg. Co., 224 Orange, Reading, Pa.
Ehrsam J. B. & Sons Mfg. Co., Enterprise, Kan.
FOOTE BROS. GEAR & MACHINE CO., 217 N Curtis, Chicago
See adv index at end of book
Hanson Clutch & Machinery Co., Tiffin, O.
Hill Clutch Machine & Foundry Co., W 65th, Cleveland, Ohio
Hunt, Rodney Machine Co., Orange, Mass.
Johnson Gear Co., 8th & Parker, Berkeley, Cal.
Johnson Gear Co., 737 Folsom, San Francisco, Cal.
Jones W. A. Foundry & Machine Co., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
McMAHON & CO., Water, cor. Ledge, Worcester, Mass.
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Noye Bros. Co., 1447 Niagara, Buffalo, N. Y.
PHILADELPHIA GEAR WORKS, 1123 Vine, Phila., Pa.
See adv index at end of book
Plamondon A. Mfg. Co., 5315 S Western blvd, Chicago, Ill.
POOLE ENGINEERING & MACHINE CO., Woodberry, Baltimore, Md.
See adv index at end of book
Quaker City Gear Works, 1918H N Front, Phila., Pa.
Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.
Stevenson Gear Co., 1019 Cornell, Indianapolis, Ind.
Van Dorn & Dutton Co., 2978 Woodhill, Cleveland, O.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book

Gears (Gas Tractor)

See Gears, Tractor Transmission

5382a—Gears (Generated Teeth)

ALBAUGH-DOVER MFG. CO., 2122 Marshall blvd, Chicago, Ill.
See adv index at end of book
Boston Gear Works, Norfolk Downs, Quincy, Mass.
See adv index at end of book
Connecticut Gears, Inc. ("Connecticut"), 545 Cooke, Waterbury, Conn.
Diefendorf Gear Corp., Syracuse, N. Y.
Dundore Mfg. Co., Reading, Pa.
Earle Gear & Machine Co., 4707 Stenton, Philadelphia, Pa.
FARREL FOUNDRY & MACHINE CO. (Cut Herringbone Continuous Tooth), 30 Main, Ansonia, Conn.
See adv index at end of book
Gleason Works, 1000 University av, Rochester, N. Y.
See adv index at end of book
Grant Gear Works, Pearl & Purchase, Boston, Mass. *See adv index at end of book*
James D. O. Mfg. Co., 1120 W Monroe, Chicago, Ill.
Johnson Gear Co., 8th & Parker, Berkeley, Cal.
Massachusetts Gear & Tool Co., Woburn, Mass.
Philadelphia Gear Works, 1123 Vine, Phila. Pa. *See adv index at end of book*
Pittsburgh Gear & Machine Co., 27th & Smallman, Pittsburgh, Pa.
See adv index at end of book
Quaker City Gear Works, 1918H N Front, Phila., Pa.

5382b—*Gears (Hardened, All Kinds)

See also various classifications

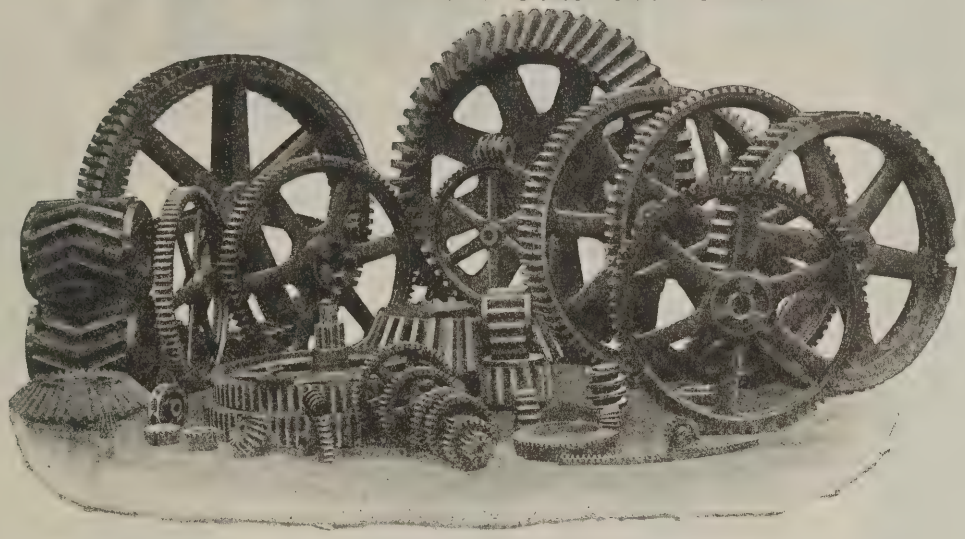
FOOTE BROS. GEAR & MACHINE CO., 217 N Curtis, Chicago
See adv index at end of book

5383— Gears (Helical Cut)

Acme Gear Co., 7th & Wood, Phila., Pa.
ALBAUGH-DOVER MFG. CO., 2122 Marshall blvd, Chicago, Ill.
See adv index at end of book
American Die & Tool Co., Reading, Pa.
Bilgram Machine Works, 1231 Spring Garden, Phila., Pa.
Boston Gear Works, Norfolk Downs, Quincy, Mass.
See adv index at end of book
Connecticut Gears Inc. ("Connecticut"), 545 Cooke, Waterbury, Conn.
De Laval Steam Turbine Co. (Double Helical), East Trenton, N. J.
See adv index at end of book
Diefendorf Gear Corp., 324H Pearl, Syracuse, N. Y.
Earle Gear & Machine Co., 4707 Stenton, Philadelphia, Pa.
FALK CORP., foot 30th, Milwaukee, Wis
See adv index at end of book
FARREL FOUNDRY & MACHINE CO. INC., 344 Vulcan, Buffalo, N. Y.
See adv index at end of book
FOOTE GEAR WORKS, 430 N Oakley blvd, Chicago
See adv index at end of book
GERDES & CO., INC., 42 Church, New York
See adv index at end of book
Grant Gear Works, Pearl & Purchase, Boston, Mass. *See adv index at end of book*
James D. O. Mfg. Co., 1120 W Monroe, Chicago, Ill.
Johnson Gear Co., 8th & Parker, Berkeley, Cal.
Kerr Turbine Co. ("Kerr"), Wellsville, N. Y.
Massachusetts Gear & Tool Co., Woburn, Mass.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.
Philadelphia Gear Works, 1123 Vine, Phila. Pa. *See adv index at end of book*
Pittsburgh Gear & Machine Co., 27th & Smallman, Pittsburgh, Pa.
See adv index at end of book
POOLE ENGINEERING & MACHINE CO., Woodberry, Baltimore, Md.
See adv index at end of book
Quaker City Gear Works, 1918H N Front, Phila., Pa.
Stevenson Gear Co., 1019 Cornell, Indianapolis, Ind.
Worcester Gear Works, Inc. (Double), 18 Grafton, Worcester, Mass.

Machine Moulded Gears

The Most Accurate Cast Gear Made



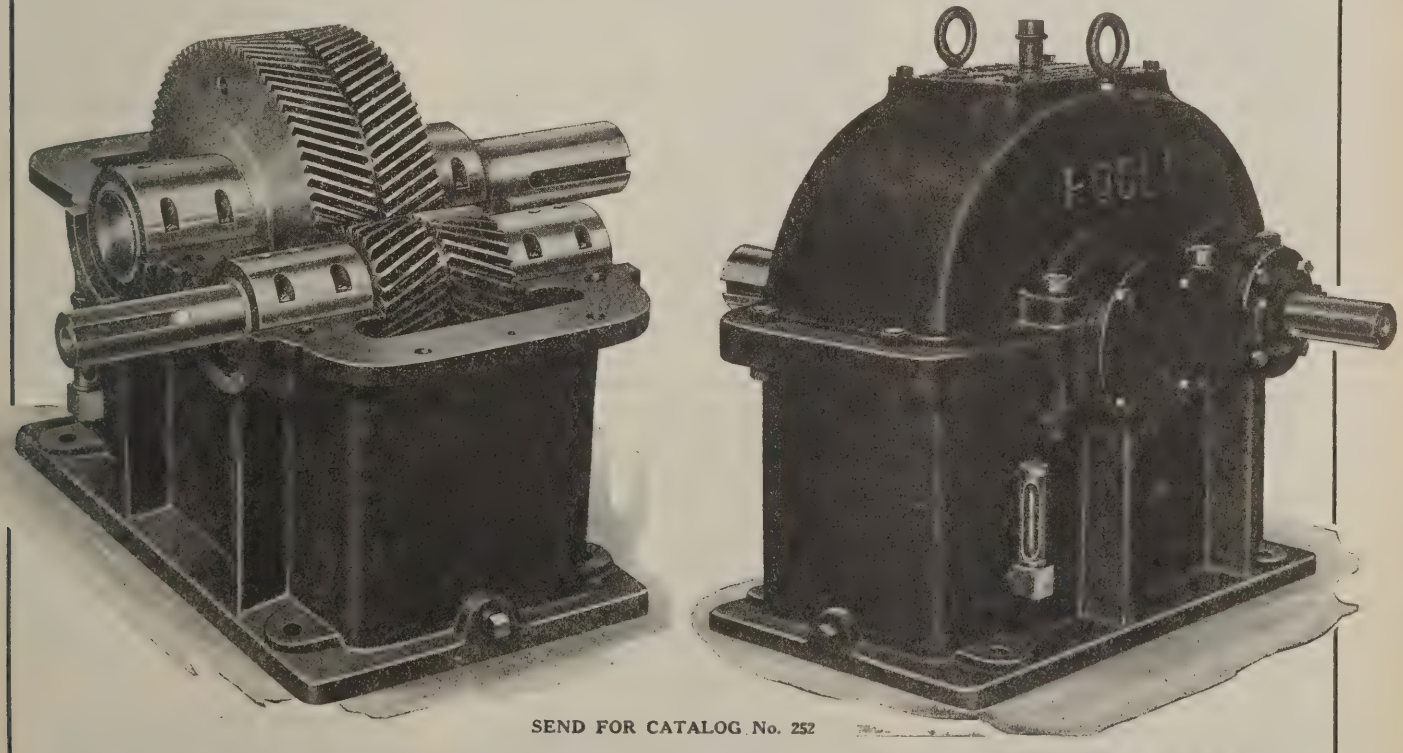
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Herringbone Gears have been recognized by engineers as the ideal means for quiet and efficient transmission of power and after years of careful consideration in handling of transmission problems we have developed a totally enclosed reduction gear known as the Poole type H speed transformer for either increasing or decreasing speeds.

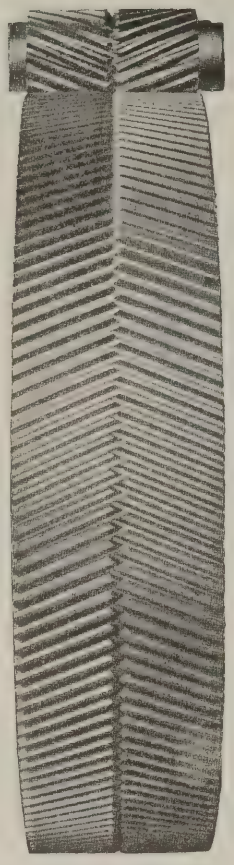


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The Falk System of staggered teeth, besides giving the maximum contact surface for a given width of face, is invaluable in securing unbroken continuity of engagement and in equalizing wear.

Falk Herringbone Gears are extremely quiet; absolutely free from vibration even at the highest speeds; are equally efficient in both directions; and transmit power with the desired change in the speed of rotation with far less loss than any other type of mechanical power transmission.

Ratios up to 25 to 1 can be obtained with **a single gear and pinion.**

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For Representatives
See Address and Local Distributors' Section

For Information on Falk-Bibby Couplings
See Classification Couplings (Flexible)

5384—Gears (Herringbone Cut)

ALBAUGH-DOVER MFG. CO., 2122 Marshall blvd., Chicago, Ill.

Am. Die & Tool Co., Reading, Pa
Bethlehem Steel Co., Bethlehem, Pa.

BOSTON GEAR WORKS ("Boston"), Norfolk Downs, Quincy, Mass.
See adv index at end of book

Carpenter-Tew Gear Co., 67 35th, Brooklyn, N. Y.

Connecticut Gears Inc. ("Connecticut"), 545 Cooke, Waterbury, Conn.

Crofoot Gear Co., Inc., Readville, Mass.

Dundore Mfg. Co., 224 Orange, Reading, Pa.

Earle Gear & Machine Co., 4707 Stenton, Philadelphia, Pa.

FALK CORP. ("Falk"), Ft. 30th, Milwaukee, Wis.
See adv index at end of book

Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn.
See adv index at end of book

Fawcus Machine Co. (Standard & Special Enclosed Drives), 1st Nat. Bk. bldg
See adv index at end of book

FOOTE GEAR WORKS, 430 N Oakley blvd, Chicago
See adv index at end of book

GANSCHOW WM. CO., 1017 Washington blvd, Chicago, Ill.
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GERDES & CO., INC., 42 Church, New York
See adv index at end of book

GLEASON WORKS, 1000 University av, Rochester, N. Y.
See adv index at end of book

Grant Gear Works, Pearl & Purchase, Boston, Mass.
See adv index at end of book

Horsburgh & Scott Co., 5110 Hamilton av, Cleveland, O.

JAMES D. O. MFG. CO., 1114-20 W Monroe, Chicago, Ill.
See adv index at end of book

Johnson Gear Co., 8th & Parker, Berkeley, Cal.

Krasberg Engng. & Mfg. Co., 536 Lake Shore, Ill.

Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book

Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.

PHILADELPHIA GEAR WORKS, 1123 Vine, Philadelphia, Pa.
See adv index at end of book

Plamondon A. Mfg. Co., 5315 So Western blvd, Chicago, Ill.

POOLE ENGINEERING & MACHINE CO., Woodberry, Baltimore, Md.
See adv index at end of book

Quaker City Gear Works, 1918H N Front, Phila., Pa.

Stahl Gear & Machine Co. ("Stahl"), 1390 E 40th, Cleveland, O.

5385—Gears (Herringbone Molded)

Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn.
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GANSCHOW WM. CO., 1017 Washington blvd, Chicago, Ill.
See adv index at end of book

Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book

Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*

Plamondon A. Mfg. Co., 5315 Southwestern blvd, Chicago, Ill.

POOLE ENGINEERING & MACHINE CO., Woodberry, Baltimore, Md.
See adv index at end of book

5386— Gears (Internal)

Acme Gear Co., 7th & Wood, Phila., Pa.

ALBAUGH-DOVER MFG. CO., 2122 Marshall blvd, Chicago, Ill.
See adv index at end of book

Alling-Lander Co. Inc., Sodus, N. Y.

American Die & Tool Co., Reading, Pa.

Bailey-Burruss Mfg. Co., Atlanta, Ga.

Bilgram Machine Works, 1235 Spring Garden, Phila., Pa.

Blount Engineering Co., 100 High, Boston, Mass.

Bond Foundry & Machine Co., Penn st, Manheim, Pa.

Boston Gear Works ("Boston"), Norfolk Downs, Quincy, Mass.
See adv index at end of book

Braun Gear Corp., 1323 Gates av, Brooklyn, N. Y.

CALDWELL & SON CO. H. W., 1700 S Western av, Chicago

Caldwell W. E. Co., Louisville, Ky.

Cincinnati Gear Co., The, 1825 Reading rd, Cincinnati, Ohio

Crofoot Gear Co. Inc., Readville, Mass.

Dodge Sales & Engineering Co., Mishawaka, Ind.

Dundore Mfg. Co., 224 Orange, Reading, Pa.

Earle Gear & Machine Co., 4707 Stenton, Philadelphia, Pa.

Eastwood Benj. Co., Paterson, N. J.

FOOTE BROS. GEAR & MACHINE CO., 217 N Curtis, Chicago
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FOOTE GEAR WORKS, 430 N Oakley blvd, Chicago
See adv index at end of book

Frost Gear & Forge Co., Jackson, Mich.

GANSCHOW WM. CO. (and Helical), 1017 Washington, blvd, Chicago, Ill.
See adv index at end of book

GERDES & CO., INC., 42 Church, New York
See adv index at end of book

GLEASON WORKS, 1000 University av, Rochester, N. Y.
See adv index at end of book

GRANT GEAR WORKS, Pearl & Purchase, Boston, Mass.
See adv index at end of book

Horsburgh & Scott Co., 5110 Hamilton av, Cleveland, O.

J AMES D. O. MFG. CO., 1114-20 W Monroe, Chicago, Ill.
See adv index at end of book

Johnson Gear Co., 8th & Parker, Berkeley, Cal.

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

Massachusetts Gear & Tool Co., Woburn, Mass.

Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*

Meisel Press Mfg. Co., 942 Dorchester av, Boston, Mass.

Newark Gear Cutting Mach. Co., 69 Prospect, Newark, N. J.

Nilson-Miller Co., 50 13th, Hoboken, N. J.

Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.

Noye Bros. Co., 1447 Niagara, Buffalo, N. Y.

Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.

Pennsylvania Gear & Machine Co. ("Penmaid"), E Tioga, Weikel & Janney, Phila., Pa.

PHILADELPHIA GEAR WORKS, 1123 Vine, Phila., Pa.
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PITTSBURGH GEAR & MACHINE CO., 27th & Smallman, Pittsburgh, Pa.
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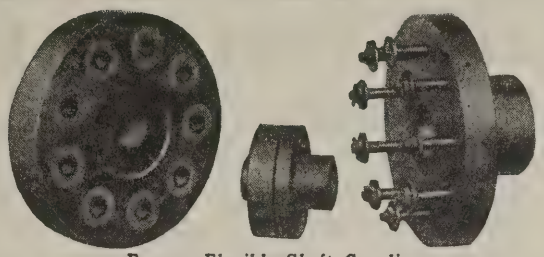
Plamondon A. Mfg. Co., 5315 S. Western blvd, Chicago, Ill.

POOLE ENGINEERING & MACHINE CO., Woodberry, Baltimore, Md.
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Portland Iron Works, 14th & Northrup, Portland, Ore.



Rolling Mill Gear and Pinion



Fawcus Flexible Shaft Coupling



Locomotive Axle Cutting Off Machine

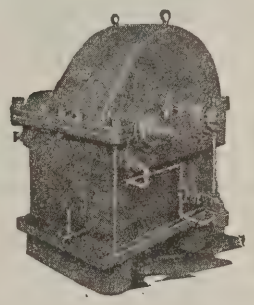
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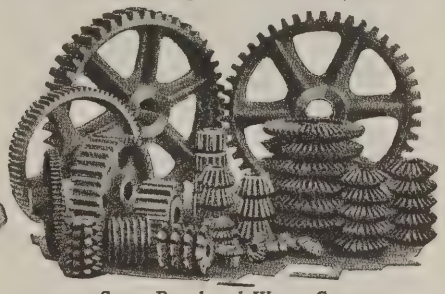
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Chicago, Ill.....Hodgart & Co.
Milwaukee, Wis.....L. E. Meidinger
New York, N. Y.Robt. C. Brown, 84 Pine St.
Portland, Ore....Coast Steel Machinery Co.
San Francisco, Calif....K. W. Eichelberger



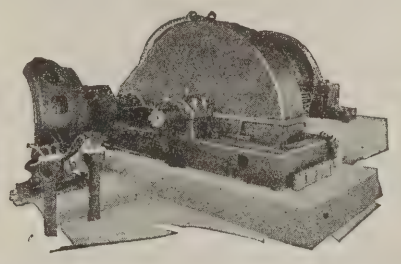
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19" Strip Mill



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Sawyer Gear & Mfg. Co., 5120 St. Clair av N E, Cleveland, O.
Sommerfeld Machine & Mfg. Co. (Steel, Cast Iron & Brass), 216 2d av, Pittsburgh, Pa.
Stevenson Gear Co., 1019 Cornell, Indianapolis, Ind.
Taylor Machine Co., 1921 E 61st, Cleveland, Ohio
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
Van Dorn & Dutton Co., 2978 Woodhill, Cleveland, O.
Welch T. F. Co. (Brass), 55 Sudbury, Boston, Mass.

5386a—Gears (Locomotive Power Reverse)

Am. Locomotive Co., 30 Church, New York
Commonwealth Supply Co., Mutual bldg., Richmond, Va.
Franklin Railway Supply Co., Inc. ("Ragonnet"), 17 E. 42nd, New York
Johnson Gear Co., 8th & Parker, Berkeley, Cal.
Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*
Pyle National Co. ("Young" Locomotive), 1334 N. Kostner av, Chicago, Ill.

5386b— Gears (Lowering)

Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*
Quaker City Gear Works, 1918H N Front, Phila., Pa.
Steward Davit & Equipment Corp. (For Life Boats), 17 Battery pl, New York

5387—Gears (Machine Molded)

Allis-Chalmers Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
American Manganese Steel Co ("Amsco" Brand Manganese Steel), Dept. H, 14th & State, Chicago Heights, Ill.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Bond Foundry & Machine Co., Penn st, Manheim, Pa.
Brown A. & F. Co., 79 Barclay, New York.
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Caldwell W. E. Co., Louisville, Ky.
Christiana Machine Co., Christiana, Pa.
Cresson-Morris Co., Allegheny & 18th, Phila., Pa.
Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn. *See adv index at end of book*
Fitz Water Wheel Co., Hanover, Pa.
Gerdes & Co., 42 Church, New York. *See adv index at end of book*

GEARS - All Kinds
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Hardie-Tynes Mfg. Co., Birmingham, Ala.
Hill Clutch Machine & Foundry Co., W 65th, Cleveland, Ohio
Hubbard Steel Foundry Co., 900 S Michigan av, East Chicago, Ind.
JONES W. A. FOUNDRY & MACHINE CO., 4442 W Roosevelt rd, Chicago, Ill. *See adv index at end of book*
Keokuk Hydraulic Tire Setter Co., **Keokuk, Ia.**
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Marshall Foundry Co., 28th & RR., Pittsburgh, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*

Mesta Machine Company
Pittsburgh, Pa., U. S. A.

Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.
National Bronze & Aluminum Fdry. Co., 2539 E 79th, Cleveland, O
Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*
Plamondon A. Mfg. Co., 5315 So Western blvd, Chicago, Ill.
POOLE ENGINEERING & MACHINE CO., Woodberry, Baltimore, Md. *See adv index at end of book*
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
United Engineering & Foundry Co. (Cast Steel), Farmers Bk. bldg, Pittsburgh, Pa.
United Iron Works Co., Inc., Kansas City, Mo.
Van Dorn & Dutton Co., 2978 Woodhill, Cleveland, O.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

Gears (Machinery)

See various classifications of Gears

5388—Gears (Marine, Reversing)

ALBAUGH-DOVER MFG. CO., 2122 Marshall blvd, Chicago, Ill. *See adv index at end of book*
Auto Engine Works, **University & Griggs, St. Paul, Minn.**
Continental Motor Mfg. Co., **Muskegon, Mich.**
Crofoot Gear Co. Inc., Readville, Mass.
Crossley Lead & Mach. Co. (Steam), Erie, Pa.
FAWCUS MACHINE CO., 2818-2828 Smallman, Pittsburgh, Pa. *See adv index at end of book*
Gies Gear Co. ("Gies" for Gasoline Motor Boats), Boydell Bldg., Detroit, Mich.
GLEASON WORKS, 1000 University av, Rochester, N. Y. *See adv index at end of book*
Globe Gear & Engineering Co., 723 N 24th, Philadelphia, Pa.
Grant Gear Works, Pearl & Purchase, Boston, Mass. *See adv index at end of book*
HINDLEY GEAR CO., 1105 Frankford av, Phila, Pa. *See adv index at end of book*
Horsburgh & Scott Co., 5110 Hamilton av, Cleveland, O.
JAMES D. O. MFG. CO., 1114-20 W Monroe, Chicago, Ill. *See adv index at end of book*
Johnson, Carlyle Machine Co. ("Johnson"), Manchester, Conn.
Johnson Gear Co., 8th & Parker, Berkeley, Cal.
Lally Commercial Body Co., Everett, Mass.
Meisel Press Mfg Co., 942 Dorchester av, Boston, Mass.
Milwaukee Auto. Engine & Supply Co., 841 29th, Milwaukee, Wis.
New York Gear Works ("Ball" Improved Reverse Gear for Motor Boats), 56 Greenpoint av, Brooklyn, N. Y.
Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.
Paragon Gear Works (Evans Stamping & Plating Co.) ("Paragon"), Taunton, Mass.
PHILADELPHIA GEAR WORKS, 1123 Vine, Phila., Pa. *See adv index at end of book*
Quaker City Gear Works, 1918H N Front, Phila., Pa.

(Continued on following page)

PHILADELPHIA GEARS

PHILADELPHIA GEAR *TIME*



"Every Second Counts"

Gear Wheels Gear Cutting

Generated Spur, Bevel and Spiral Gears; Rawhide and Micarta Pinions; Worms and Worm Gears; Racks and Speed Reducing Units; Sprockets and " Diamond " Chains. .

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Stevenson Gear Co., 1019 Cornell, Indianapolis, Ind.
Van Dorn & Dutton Co., 2978 Woodhill, Cleveland, Ohio
Waterman Motor Co., 235 Mt. Elliott av, Detroit, Mass.

5389—Gears (Marine Steering)

Bethlehem Shipbuilding Corp. Ltd. (Steam, Electric & Hand of Vessels for All Types), Dept. H, Broadhead & Parker av, Bethlehem, Pa.
Crofoot Gear Co. Inc., Readville, Mass.
Cunningham Allen Co. Inc. (Cargo), 7500 Carleton av, Seattle, Wash.
DAKE ENGINE CO. (Steam), Grand Haven, Mich.
See adv index at end of book
Durkee Chas. D. & Co. (Hand), 2 South, New York
Edson Mfg. Corp. ("Edson" Hand), 375H B'way, Boston, Mass.
Evans C. H. & Co. ("Evans," Steam), 187 Fremont, San Francisco, Cal.
Flory S. Mfg. Co., Main & Market, Bangor, Pa.
Grant Gear Works, Pearl & Purchase, Boston, Mass. *See adv index at end of book*
Harnischfeger Corp. (Steam), Milwaukee, Wis.
See adv index at end of book
HINDLEY GEAR CO., 1105 Frankford av., Phila., Pa.
See adv index at end of book
Hyde Windlass Co. ("Brown" Steam), Bath, Me.
James D. O. Mfg. Co., 1120 W Monroe, Chicago, Ill.
Johnson-Fries Marine Const. Co., Spalding bldg, Portland, Ore.
Johnson Gear Co., Dept. H, 8th & Parker, Berkeley, Cal.
Laughlin Thos. Co., 135 Fore, Portland, Me.
See adv index at end of book
McNab Co. (Brown Bros "Telemoter"), Bridgeport, Conn.
Marine Hardware Co. (Hand), Peabody, Mass.
Marine Mfg. & Supply Co. ("Columbia," "Lavarck," "Planet," Hand), 153 South. New York
Meisel Press Mfg. Co., 942 Dorchester av, Boston, Mass.
Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.
Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*
Philadelphia Machine Works (Steering Engines), 67 Laurel, Phila., Pa.
Quaker City Gear Works, 1918H N Front, Phila., Pa.
Stoddart A. P. & Co. (Hand), Gloucester, Mass.
Textile Finishing Machinery Co. (Steam), 171 Westminster, Providence, R. I.
Van Dorn & Dutton Co., 2978 Woodhill, Cleveland, O.
Wilcox, Crittenden & Co., Inc. ("W. C."), 444 S Main, Middletown, Conn.
See adv index at end of book

5389a—Gears (Marine Turbine)

FALK CORP., foot 30th, Milwaukee, Wis
See adv index at end of book
GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book
Grant Gear Works, Pearl & Purchase, Boston, Mass. *See adv index at end of book*
Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*

5390— Gears (Mill)

See also Gears, Cut

Albaugh-Dover Mfg. Co., 2122 Marshall blvd, Chicago, Ill.
See adv index at end of book
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept. H, 14th & State, Chicago Heights, Ill.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Bethlehem Steel Co., South Bethlehem, Pa.
Bond Foundry & Machine Co., Penn st, Manheim, Pa.
Brown A. & F. Co., 79 Barclay, New York
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Diefendorf Gear Corp., 324H Pearl, Syracuse, N. Y.
Dodge Mfg. Corp., Mishawaka, Ind.
Dundore Mfg. Co., 224 Orange, Reading, Pa.
Earle Gear & Machinery Co., 4707 Stenton, Philadelphia, Pa.
FARREL FDRY. & MACH. CO., 30 Main, Ansonia, Conn.
See adv index at end of book
FAWCUS MACHINE CO., 2818-2828 Smallman, Pittsburgh, Pa.
See adv index at end of book
Fitz Water Wheel Co., Hanover, Pa.
FOOTE GEAR WORKS, 430 N Oakley blvd, Chicago
See adv index at end of book
Garrison A. Foundry Co. ("Haskins," Double Spiral for Rolling Mills, etc), 901 Bingham, Pittsburgh, Pa.
GERDES & CO., 42 Church, New York
See adv index at end of book
Gleason Works, 1000 University av, Rochester, N. Y. *See adv index at end of book*
Globe Gear & Engineering Co., Dept. H, 723 N 24th, Philadelphia, Pa.
GRANT GEAR WORKS, Pearl & Purchase, Boston, Mass.
See adv index at end of book
James D. O. Mfg. Co., 1120 W Monroe, Chicago, Ill.
Johnson Gear Co., Dept. H, 8th & Parker, **Berkeley, Cal.**
Jones W. A. Foundry & Machine Co., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Mackintosh-Hemphill Co., 12th & Etna, Pittsburgh, Pa.
Massachusetts Gear & Tool Co., Woburn, Mass.
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Meisel Press Mfg Co. (Medium Pitch), 942 Dorchester av, Boston, Mass.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
Mobile Stove & Pulley Mfg. Co., Mobile, Ala.
National Roll & Foundry Co., Avonmore, Pa.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.
PHILADELPHIA GEAR WORKS, 1123 Vine, Phila., Pa.
See adv index at end of book
Pittsburgh Gear & Machine Co., 27th & Smallman, Pittsburgh, Pa.
See adv index at end of book
Plamondon A. Mfg. Co., 5315 S. Western blvd, Chicago, Ill.
Quaker City Gear Works, 1918H N Front, Phila., Pa.
Smith S. Morgan Co., P. O. Box 667, York, Pa.
Stevenson Gear Co., 1019 Cornell, Indianapolis, Ind.
Taylor Machine Co., 1921 E 61st, Cleveland, Ohio
Treadwell Engineering Co., Easton, Pa.
See adv index at end of book
Van Dorn & Dutton Co., 2978 Woodhill, Cleveland, O.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

5391— Gears (Mine Motor)

See also Gears, Cut

Albaugh-Dover Mfg. Co., 2122 Marshall blvd, Chicago, Ill.
See adv index at end of book
FOOTE GEAR WORKS, 430 N Oakley blvd, Chicago
See adv index at end of book
GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book
Grant Gear Works, Pearl & Purchase, Boston, Mass. *See adv index at end of book*
James D. O. Mfg. Co., 1120 W Monroe, Chicago, Ill.
Johnson Gear Co., Dept H, 8th & Parker, Berkeley, Cal.
Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.
Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*
Pittsburgh Gear & Machine Co., 27th & Smallman, Pittsburgh, Pa.
See adv index at end of book
Quaker City Gear Works, 1918H N Front, Phila., Pa.

5392—Gears (Mining Machine)

See also Gears, Cut

Albaugh-Dover Mfg. Co., 2122 Marshall blvd, Chicago, Ill.
See adv index at end of book
Bond Foundry & Machine Co., Penn st, Manheim, Pa.
Diefendorf Gear Corp., 324H Pearl, Syracuse, N. Y.
Earle Gear & Machine Co., 4707 Stenton, Philadelphia, Pa.
FALK CORP., foot 30th, Milwaukee, Wis.
See adv index at end of book
FOOTE GEAR WORKS, 430 N Oakley blvd, Chicago
See adv index at end of book
Gerdes & Co., 42 Church, New York
See adv index at end of book
Grant Gear Works, Pearl & Purchase, Boston, Mass. *See adv index at end of book*
HINDLEY GEAR CO., 1105 Frankford av, Phila., Pa. *See adv index at end of book*
Horsburgh & Scott Co., 5110 Hamilton av, Cleveland, O.
James D. O. Mfg. Co., 1120 W Monroe, Chicago, Ill.
Johnson Gear Co., Dept H, 8th & Parker, Berkeley, Cal.
Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.
Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*
Pittsburgh Gear & Machine Co., 27th & Smallman, Pittsburgh, Pa.
See adv index at end of book
Plamondon A. Mfg. Co., 5315 Southwestern blvd, Chicago, Ill.
Quaker City Gear Works, 1918H N Front, Phila., Pa.
Stevenson Gear Co., 1019 Cornell, Indianapolis, Ind.

5392a— Gears (Mitre)

See also Gears, Cut

Acme Gear Co., 7th & Wood, Phila., Pa.
ALBAUGH-DOVER MFG. CO., 2122 Marshall blvd, Chicago, Ill.
See adv index at end of book
American Die & Tool Co., Reading, Pa.

Bilgram Machine Works, 1231 Spring Garden, Phila., Pa.
Bond Foundry & Machine Co., Penn st, Manheim, Pa.
Boston Gear Works, Norfolk Downs, Quincy, Mass.
See adv index at end of book
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Christiana Mach. Co., Dept. H, Christiana, Pa.
Cincinnati Gear Co. (The), 1825 Reading rd, Cincinnati, Ohio
Diefendorf Gear Corp., 324H Pearl, Syracuse, N. Y.
Earle Gear & Machine Co., 4707 Stenton, Philadelphia, Pa.
Fitz Water Wheel Co., Hanover, Pa.
GANSCHOW WM. CO., 1017 Washington blvd, Chicago, Ill.
See adv index at end of book
GERDES & CO., 42 Church, New York
See adv index at end of book
Globe Gear & Engineering Co., Dept. H, 723 N 24th av, Phila., Pa.
Grant Gear Works, Pearl & Purchase, Boston, Mass. *See adv index at end of book*
Horsburgh & Scott Co., 5110 Hamilton av, Cleveland, O.
JAMES D. O. MFG. CO. ("James"), 1114-20 W Monroe, Chicago, Ill.
See adv index at end of book
Jeffrey Mfg. Co., 961 N Fourth, Columbus, Ohio
See adv index at end of book
JONES W. A. FOUNDRY & MACHINE CO., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Massachusetts Gear & Tool Co., Woburn, Mass.
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*
Plamondon A. Mfg. Co., 5315 Southwestern blvd, Chicago, Ill.
POOLE ENGINEERING & MACHINE CO., Woodberry, Baltimore, Md.
See adv index at end of book
Quaker City Gear Works, 1918H N Front, Phila., Pa.
Smith S. Morgan Co., P. O. Box 667, York, Pa.

5392b— Gears (Mortise)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Bond Foundry & Machine Co., Penn st, Manheim, Pa.
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
See adv index at end of book
Christiana Mach. Co., Dept. H, Christiana, Pa.
Fitz Water Wheel Co., Hanover, Pa.
GERDES & CO., INC., 42 Church, New York
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*
Plamondon A. Mfg. Co., 5315 Southwestern blvd., Chicago, Ill.
POOLE ENGINEERING & MACHINE CO., Woodberry, Baltimore, Md.
See adv index at end of book
Portland Iron Works, 14th & Northrup, Portland, Oreg.
Pusey & Jones, H, Poplar, Wilmington, Del.
Quaker City Gear Works,, 1913H N Front, Phila., Pa.
SMITH S. MORGAN CO., P. O. Box 667, York, Pa.

5393— Gears (Nickel Steel)

Acme Gear Co., 7th & Wood, Phila., Pa.
American Die & Tool Co., Reading, Pa.
Connecticut Gears, Inc. ("Connecticut"), 545 Cooke, Waterbury, Conn.
Diefendorf Gear Corp., Syracuse, N. Y.
Dundore Mfg. Co., Reading, Pa.
Grant Gear Works, Pearl & Purchase, Boston, Mass. *See adv index at end of book*
James D. O. Mfg. Co., 1120 W Monroe, Chicago, Ill.
Johnson Gear Co., Dept. H, 8th & Parker, Berkeley, Cal.
Massachusetts Gear & Tool Co., Woburn, Mass.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*
Pittsburgh Gear & Machine Co., 27th & Smallman, Pittsburgh, Pa.
See adv index at end of book
Quaker City Gear Works, 1918H N Front, Phila., Pa.
Stevenson Gear Co., 1019 Cornell, Indianapolis, Ind.

5394-5—Gears (Noiseless)

Acme Gear Co., 7th & Wood, Phila., Pa.
American Die & Tool Co., Reading, Pa
Boston Gear Works, Norfolk Downs, Quincy, Mass.
See adv index at end of book
CHICAGO RAWHIDE MFG. CO. (THE), 1307 Elston av, Chicago
See adv index at end of book
Connecticut Gears, Inc. ("Connecticut"), 545 Cooke, Waterbury, Conn.
Diefendorf Gear Corp., Syracuse, N. Y.
FIBROC INSULATION CO. ("Fibroc"), cor. Campbell, Valparaiso, Ind.
See adv index at end of book
Formica Insulation Co. ("Formica" Gear Blanks), 4614 Spring Grove av, Cincinnati, Ohio
GERDES & CO., INC., 42 Church, New York
See adv index at end of book
Grant Gear Works, Pearl & Purchase, Boston, Mass. *See adv index at end of book*
James D. O. Mfg. Co., 1120 W Monroe, Chicago, Ill.
Johnson Gear Co., Dept. H, 8th & Parker, Berkeley, Cal.
Jones W. A. Foundry & Machine Co., 4442 W. Roosevelt rd, Chicago, Ill.
See adv index at end of book
Massachusetts Gear & Tool Co., Woburn, Mass.
Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.
Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*
Pittsburgh Gear & Machine Co., 27th & Smallman, Pittsburgh, Pa.
See adv index at end of book
Quaker City Gear Works, 1918H N Front, Phila., Pa.
Stevenson Gear Co., 1019 Cornell, Indianapolis, Ind.
Wilmington Fibre Specialty Co., Wilmington, Del.

Gears (Rawhide)

See Gears & Pinions, Rawhide

Gears (Reduction)

See Gears (Speed Reduction); see also Speed Reducers

Gears (Reversing)

See Gears, Marine Reversing

5396— Gears (Rolling Mill)

See also Gears, Mill

Bethlehem Steel Co., Bethlehem, Pa.
FALK CORP., Foot 30th, Milwaukee, Wis.,
See adv index at end of book
Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn.
GERDES & CO., INC., 42 Church, New York
See adv index at end of book
Grant Gear Works, Pearl & Purchase, Boston, Mass. *See adv index at end of book*
Horsburgh & Scott Co., 5110 Hamilton av, Cleveland, O.
Johnson Gear Co., Dept. H, 8th & Parker, Berkeley, Cal.
Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*
Pittsburgh Gear & Machine Co., 27th & Smallman, Pittsburgh, Pa.
See adv index at end of book
Plamondon A. Mfg. Co., 5315 Southwestern blvd, Chicago, Ill.
POOLE ENGINEERING & MACHINE CO., Woodberry, Baltimore, Md.
See adv index at end of book
Quaker City Gear Works, 1918H N Front, Phila., Pa.

5396a—Gears (Silent Chain)

Boston Gear Works, Norfolk Downs, Quincy, Mass.
See adv index at end of book
Diefendorf Gear Corp., Syracuse, N. Y.
Grant Gear Works, Pearl & Purchase, Boston, Mass. *See adv index at end of book*
Johnson Gear Co., Dept. H, 8th & Parker, Berkeley, Cal.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Morse Chain Co., Ithaca, N. Y.
See adv index at end of book
Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*
Pittsburgh Gear & Machine Co., 27th & Smallman, Pittsburgh, Pa.
See adv index at end of book
Quaker City Gear Works, 1918H N Front, Phila., Pa.

5397— Gears (Small)

ALBAUGH-DOVER MFG. CO., 2122 Marshall blvd, Chicago, Ill.
See adv index at end of book
American Die & Tool Co., Reading, Pa.
BOSTON GEAR WORKS ("Boston"), Norfolk Downes, Quincy, Mass.
See adv index at end of book
Connecticut Gears, Inc. ("Connecticut"), 545 Cooke, Waterbury, Conn.
Diefendorf Gear Corp., 324H Pearl, Syracuse, N. Y.
Dundore Mfg. Co., Reading, Pa.
Earle Gear & Machine Co., 4707 Stenton, Philadelphia, Pa.
Gilbert Walter B. & Co., York, Pa.
Grant Gear Works, Pearl & Purchase, Boston, Mass. *See adv index at end of book*
Johnson Gear Co., Dept. H, 8th & Parker, Berkeley, Cal.
Johansson C. E. Inc. ("Johansson Adjustable), Poughkeepsie, N. Y.
Massachusetts Gear & Tool Co., Woburn, Mass.
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*
PLUMB D. S. (Small Gears & Pinions for Clocks, Meters, Gauges & Recording & Scientific Instruments, etc.), 73-77 Norfolk, nr Central av, Newark, N. J.
See adv index at end of book
Precision Engineering Co., Jamestown, N. Y.
Quaker City Gear Works, 1018H N Front, Phila., Pa.
Stevenson Gear Co., 1019 Cornell, Indianapolis, Ind.
Taylor Machine Co., 1921 E 61st, Cleveland, Ohio
Yaxley Manfg. Co., 1101 W Monroe, Chicago, Ill.

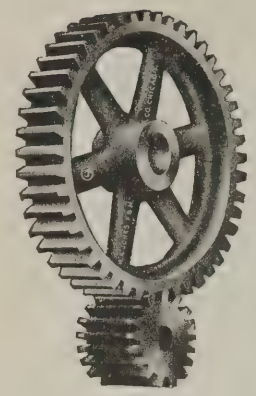
5398— Gears (Solid Forged)

Akron Gear & Engineering Co., 55 E South, Akron, O.
Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
Grant Gear Works, Pearl and Purchase, Boston, Mass. *See adv index at end of book*
Hill Clutch Machine & Foundry Co., W 65th, Cleveland, Ohio
Horsburgh & Scott Co., 5110 Hamilton av, Cleveland, O.
Jones W. A. Foundry & Machine Co., 4442 W. Roosevelt rd, Chicago, Ill.
See adv index at end of book
Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*
PITTSBURGH GEAR & MACHINE CO., 27th & Smallman, Pittsburgh, Pa.
See adv index at end of book
Plamondon A. Mfg. Co., 5315 Southwestern blvd, Chicago, Ill.
Quaker City Gear Works, 1918H N Front, Phila., Pa.
Van Dorn & Dutton Co., 2978 Woodhill rd, Cleveland, Ohio
Williams J. H. & Co., 400 Vulcan, Buffalo, N. Y.

5399—Gears (Speed Reduction)

Acme Gear Co., 7th & Wood, Phila., Pa.
ALBAUGH-DOVER MFG. CO., 2122 Marshall blvd, Chicago, Ill.
See adv index at end of book
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Die & Tool Co., Reading, Pa.
BOSTON GEAR WORKS, Norfolk Downs, Quincy, Mass.
See adv index at end of book
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Connecticut Gears, Inc. ("Connecticut"), 545 Cooke, Waterbury, Conn.
Cunningham, Allen Co., Inc., 7500 Carlton av, Seattle, Wash.
DE LAVAL STEAM TURBINE CO., East Trenton, N. J.
See adv index at end of book
Diefendorf Gear Corp., 324H Pearl, Syracuse, N. Y.
Dundore Mfg. Co., Reading, Pa.
FALK CORP. (Turbine), Foot 30th, Milwaukee, Wis. *See adv index at end of book*
Farrel Foundry & Machine Co., 30 Main. Ansonia, Conn.
See adv index at end of book
FAWCUS MACHINE CO., 2818-2828 Smallman, Pittsburgh, Pa.
See adv index at end of book
FOOTE BROS. GEAR & MACHINE CO., 217 N Curtis, Chicago, Ill.
See adv index at end of book
FOOTE GEAR WORKS, 430 N Oakley blvd, Chicago
See adv index at end of book
GERDES & CO., INC., 42 Church, New York
See adv index at end of book
HILL CLUTCH MACHINE & FOUNDRY CO., W 65th, Cleveland, Ohio
Hindley Gear Company, 1105 Frankford av, Phila., Pa. *See adv index at end of book*
HOIST & CRANE ENGINEERING CO. (THE), Engineering bldg, Liberty, New York
See adv index at end of book

(Continued on following page)



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Cut and molded tooth gears of all types and materials

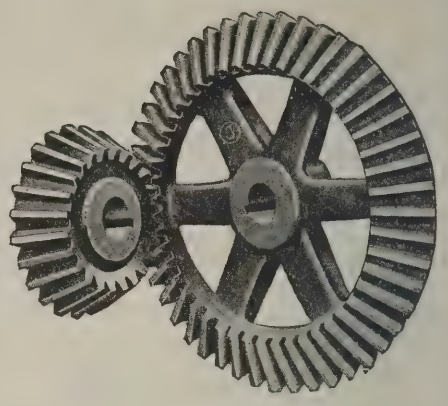
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Gears (Speed Reduction)—Continued

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James D. O. Mfg. Co., 1120 W Monroe, Chicago, Ill.

Johnson Gear Co., Dept. H, 8th & Parker, Berkeley, Cal.

JONES W. A. FOUNDRY & MACHINE CO., 4442 W. Roosevelt rd, Chicago, Ill. *See adv index at end of book*

Kerr Turbine Co., Wellsville, N. Y.

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*

Moore Steam Turbine Corp., Dept H, Wellsville, N. J.

Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.

PHILADELPHIA GEAR WORKS, 1123 Vine, Phila., Pa. *See adv index at end of book*

Plamondon A. Mfg. Co., 5315 Southwestern blvd, Chicago, Ill.

POOLE ENGINEERING & MACHINE CO., Woodberry, Baltimore, Md. *See adv index at end of book*

Quaker City Gear Works, 1918H N Front, Phila., Pa.

Treadwell Engineering Co., Easton, Pa. *See adv index at end of book*

Western Gear Works, 9th av S & King, Seattle, Wash.

Gears (Spiral)

See Gears, Cut

Consult the Index to Trades

Gears (Spur)

See Gears, Cut

Gears (Steering)

See Gears, Automobile, Steering; also Gears, Marine, Steering

5400—Gears (Steering, Semi-Reversible)

Jackson, Church & Wilcox Co., Saginaw, Mich.

Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*

Quaker City Gear Works, 1918H N Front, Phila., Pa.

5401—Gears (Street Car Axle)

Catskill Foundry & Machine Co., Catskill, N. Y.

Cleveland Gear Works, Cleveland, O.

Gear Grinding Machine Co. (Ground), Christopher & Conant, Detroit, Mich.

GENERAL ELECTRIC CO. (Steel), Schenectady, N. Y. *See adv index at end of book*

GERDES & CO., INC., 42 Church, New York *See adv index at end of book*

Meisel Press Mfg. Co. (Medium Pitch), 942 Dorchester av, Boston, Mass.

Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.

Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*

Pittsburgh Gear & Machine Co., 27th & Smallman, Pittsburgh, Pa. *See adv index at end of book*

Quaker City Gear Works, 1918H N Front, Phila., Pa.

Van Dorn & Dutton Co., 2978 Woodhill, Cleveland, O.

5401a— Gears (Timing)

Brodie Ralph N. Co. ("Gear-O-Lite"), 1353 E 12th, Oakland, Cal.

Chicago Rawhide Mfg. Co., 1307 Elston av, Chicago *See adv index at end of book*

Cloyes Gear Works, 1620 Collamer, Cleveland, Ohio

Cylent Timing Gears Corp., 1420 S Michigan av, Chicago

GENERAL ELECTRIC CO. ("Textolite"), Schenectady, N. Y. *See adv index at end of book*

Hoof, John C. & Co., 159 W Illinois, Chicago, Ill.

Perfection Gear Co. ("Precision" "Perfection" Silent), 213 Morgan, Chicago, Ill.

Pittsburgh Gear & Machine Co., 27th & Smallman, Pittsburgh, Pa. *See adv index at end of book*

5402—Gears (Tractor Transmission)

Albaugh-Dover Mfg. Co., 2122 Marshall blvd, Chicago, Ill. *See adv index at end of book*

American Die & Tool Co., Reading, Pa.

Cotta Transmission Co. ("Cotta"), Rockford, Ill.

Diefendorf Gear Corp., 324H Pearl, Syracuse, N. Y.

Dundore Mfg. Co., Reading, Pa.

FOOTE GEAR WORKS, 430 N Oakley blvd, Chicago *See adv index at end of book*

GANSCHOW WM. CO., 1017 Washington blvd, Chicago, Ill. *See adv index at end of book*

Grant Gear Works, Pearl and Purchase, Boston, Mass. *See adv index at end of book*

James D. O. Mfg. Co., 1120 W Monroe, Chicago, Ill.

Johnson Gear Co., Dept H, 8th & Parker, Berkeley, Cal.

Jones Gear Co., Wayside Road & Nickel Plate R. R., Cleveland, Ohio.

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*

Mecca Machinery Co., 85-87 Adams, Brooklyn, N. Y.

Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.

Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*

Pittsburgh Gear & Machine Co., 27th & Smallman, Pittsburgh, Pa. *See adv index at end of book*

Quaker City Gear Works, 1918H N Front, Phila., Pa.

Stevenson Gear Co., 1019 Cornell, Indianapolis, Ind.

5403—Gears (Transmission or Speed Changing)

See also Gears (Speed Reduction)

See also Speed Reducers

Akron Gear & Engineering Co., 55 E South, Akron, O.

Albaugh-Dover Mfg. Co., 2122 Marshall blvd, Chicago, Ill. *See adv index at end of book*

American Die & Tool Co., Reading, Pa.

Automotive Gear Works ("Double Diamond"), 291 Marietta, Atlanta, Ga.

Barneys Auto Parts Co. ("Barco"), 236 W 50th, New York

Blood Bros. Machine Co., Allegan, Mich.

Bond Foundry & Machine Co., Penn St., Manheim, Pa.

Boston Gear Works, Norfolk Downs, Quincy, Mass. *See adv index at end of book*

Brennan Motor Mfg. Co., Syracuse, N. Y.

Brown, Lipe Gear Co. (Automobile), Syracuse, N. Y.

Brown & Sharpe Mfg. Co. (Repair Parts), Providence, R. I.

Buffalo Engine Co. ("Salisbury"), 1 Randall, Buffalo, N. Y.

Cady C. N. Co., Canastota, N. Y.

Cotta Transmission Co. ("Cotta"), Rockford, Ill.

Crofoot Gear Co., Inc., Readville, Mass.

Cross Gear & Engine Co., 3250 Bellevue, Detroit, Mich.

DE LAVAL STEAM TURBINE CO., East Trenton, N. J. *See adv index at end of book*

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Detroit Gear & Machine Co., 670 Woodbridge, Detroit, Mich.

Dundore Mfg. Co., 224 Orange, Reading, Pa.

Durston Gear Co., Syracuse, N. Y.

Earle Gear & Machine Co., 4707 Stenton, Philadelphia, Pa.

Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn. *See adv index at end of book*

Fitch Gear Co., Rome, N. Y.

FOOTE GEAR WORKS, 430 N Oakley blvd, Chicago *See adv index at end of book*

Gear Grinding Machine Co. (Ground), Christopher & Conant, Detroit, Mich.

GERDES & CO., INC., 42 Church, New York *See adv index at end of book*

Gies Gear Co., Boydell Bldg., Detroit, Mich.

GLEASON WORKS, 1000 University av, Rochester, N. Y. *See adv index at end of book*

GRANT GEAR WORKS, Pearl & Purchase, Boston, Mass. *See adv index at end of book*

HOIST & CRANE ENGINEERING CO. (THE), Engineering bldg, Liberty, New York *See adv index at end of book*

Horsburgh & Scott Co., 5110 Hamilton av, Cleveland, Ohio

Indianapolis Tool & Mfg. Co., 200H W South, Indianapolis, Ind.

JAMES D. O. MFG. CO., 1114-20 W Monroe, Chicago, Ill. *See adv index at end of book*

Johnson Gear Co., Dept. H, 8th & Parker, Berkeley, Cal.

Jones Gear Co., Wayside Road & Nickel Plate R. R., Cleveland, Ohio.

JONES W. A. FOUNDRY & MACHINE CO., 4442 W Roosevelt rd, Chicago, Ill. *See adv index at end of book*

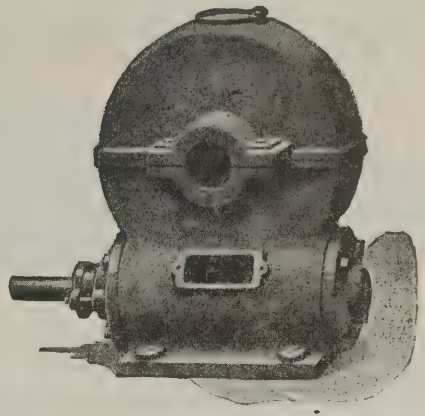
Light Mfg. & Fdry. Co. (Automobile), Pottstown, Pa.



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Mann Mfg. Co., 454 Golden Gate av, San Francisco, Cal.
Mecca Machinery Co., 85-87 Adams, Brooklyn, N. Y.
Meisel Press Mfg. Co., 942 Dorchester av, Boston, Mass.
Milwaukee Auto Engine & Supply Co., 841 29th, Milwaukee, Wis.
Muncie Gear Works, Muncie, Ind.
Murray W. B., N Winchester & Wabansia avs, Chicago, Ill.
New York Gear Works ("Ball" Improved), 56 Greenpoint av, Brooklyn, N. Y.
Noye Bros. Co., 1447 Niagara, Buffalo, N. Y.
Nuttall R. D. Co. (Repair Parts), McCandless & Harrison avs, Pittsburgh, Pa.
Philadelphia Gear Works, 1123 Vine, Phila. Pa. *See adv index at end of book*
POOLE ENGINEERING & MACHINE CO., Woodberry, Baltimore, Md.
See adv index at end of book
Quaker City Gear Works, 1918H N Front, Phila., Pa.
Rutenber Motor Co., Marion, Ind.
Sawyer Gear & Mfg. Co., 5120 St. Clair av N. E, Cleveland, O.
Sier-Bath Co., 143 W 54th, New York
Stevenson Gear Co., 1019 Cornell, Indianapolis, Ind.
Syracuse Gear Co., Syracuse, N. Y.
Taylor Machine Co., 1921 E 61st, Cleveland, Ohio
Toepfer Frank Sons, 460 National av, Milwaukee, Wis.
Townsend Foundry & Machine Shop Co., Broadway & Rensselaer, Albany, N. Y.
See adv index at end of book
Van Dorn & Dutton Co., 2978 Woodhill, Cleveland, O.
Virtue & Pound Co., Owatonna, Minn.
Warner Corp., Muncie, Ind.
Warner Gear Co. (Automobile), Muncie, Ind.
Waterbury Tool Co. ("Waterbury" Hydraulic Speed, Variable), Waterbury, Conn.
Western Gear Works, 9th av S & King, Seattle, Wash.

5404—Gears (Vanadium Steel)

Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Crofoot Gear Co. Inc., Readville, Mass.
Dundore Mfg. Co., 224 Orange, Reading, Pa.
Grant Gear Works, Pearl and Purchase, Boston, Mass. *See adv index at end of book*
Massachusetts Gear & Tool Co., Woburn, Mass.
Meisel Press Mfg. Co., 942 Dorchester av, Boston, Mass.
Philadelphia Gear Works, 1123 Vine, Phila. Pa. *See adv index at end of book*
Plamondon A. Mfg. Co., 5315 S Western blvd, Chicago, Ill.
Quaker City Gear Works, 1918H N Front, Phila., Pa.
Stevenson Gear Co., 1019 Cornell, Indianapolis, Ind.
Williams J. H. & Co. (Drop-Forged), 31
Williams J. H. & Co. (Drop-Forged), 400 Vulcan, Buffalo, N. Y.

5405— Gears (Wagon)

Deere John Wagon Works (Farm, Teaming & Coal), Moline, Ill.
Dundore Mfg. Co., Reading, Pa.
Eureka Bending & Wheel Works (Wood), York, Pa.
Fitch Gear Co., Rome, N. Y.
Grant Gear Works, Pearl and Purchase, Boston, Mass. *See adv index at end of book*
Herbrand Co., Fremont, O.
Little J. R. Metal Wheel Co. (Steel), Quincy, Ill.
See adv index at end of book
Owensboro Wagon Co., Owensboro, Ky.
Pay Chas. & Co. (Steel Frame, Low Gears), 307 S Water, Providence, R. I.
Pekin Wagon Co., Pekin, Ill.
Philadelphia Gear Works, 1123 Vine, Phila. Pa. *See adv index at end of book*
Quaker City Gear Works, 1918H N Front, Phila., Pa.
Stevenson Gear Co., 1019 Cornell, Indianapolis, Ind.
Studebaker Corp., South Bend, Ind.
Van Dorn & Dutton Co., 2978 Woodhill, Cleveland, O.
York Wagon Gear Co. (Carriage), York, Pa.

5406— Gears (Worm)

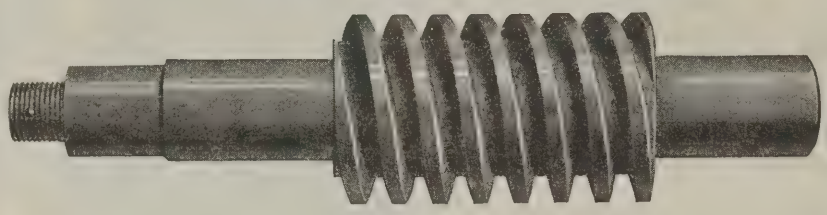
Acme Machine Works, 1500 N 18th, St. Louis, Mo.
Akron Gear & Engng. Co., 55 E South Akron, O.
ALBAUGH-DOVER MFG. CO., 2122 Marshall blvd, Chicago, Ill.
See adv index at end of book
Albro-Clem Elevator Co. ("Hindley," "Albro"), D & Erie, Phila., Pa.
American Die & Tool Co., Reading, Pa.
Arthur Co., Produce Exchange, New York
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Baush Machine Tool Co., 156 Wason av, Springfield, Mass.
Bickett Machine & Mfg. Co., Cincinnati, Ohio
Bilgram Machine Works, 1235 Spring Garden, Phila., Pa.
Bond Foundry & Machine Co., Penn St., Manheim, Pa.
Boston Gear Works ("Boston") Norfolk Downs, Quincy, Mass.
See adv index at end of book
Brown A. & F. Co., 79 Barclay, New York
Brown & Sharpe Mfg. Co., Providence, R. I.
Bultman F. H. Co. ("Izod"), 10271H Berea rd, Cleveland, Ohio
Bultman F. H. Co. (The), 10271 Berea rd, Cleveland, Ohio
See adv index at end of book
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Carpenter-Tew Gear Co., 67 35th, Brooklyn, N. Y.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Christiana Mach. Co. (& Worm Wheel Sprockets), Dept H, Christiana, Pa.
CINCINNATI GEAR CO. (THE), 1825 Reading rd, Cincinnati, Ohio
Cleveland Worm & Gear Co. (Worm Gear Reduction), 1667 E 40th, Cleveland, O.
Cochrane F. W. Mfg. Co., 1316 W Slauson, Los Angeles, Cal.
Colburn Gear & Mfg. Co. Inc., 1 Woodworth, Dorchester, Boston, 22, Mass.
Connecticut Gears Inc. ("Connecticut"), 545 Cooke, Waterbury, Conn.
Crofoot Gear Co., Inc., Readville, Mass.
Cross Gear & Engine Co., 3250 Bellevue, Detroit, Mich.
Damascus Bronze Co. ("Damascus" Bronze for Rolling Mills, etc), N S, Pittsburgh, Pa.
Dundore Mfg. Co., 224 Orange, Reading, Pa.
Earle Gear & Machine Co., 4707 Stenton, Philadelphia, Pa.
Eastwood Benj. Co., Paterson, N. J.
FAWCUS MACHINE CO. (Steel, Iron, Bronze), 2818-2828 Smallman, Pittsburgh, Pa. *See adv index at end of book*
FOOTE BROS. GEAR & MACHINE CO., 217 N Curtis, Chicago
See adv index at end of book
FOOTE GEAR WORKS, 430 N Oakley blvd, Chicago
See adv index at end of book
Franklin Machine Co. (& Worm Gear Reduction, Mfrs. Agents), 1 Park, Providence, R. I. *See adv index at end of book*
GANSCHOW WM. CO., 1017 Washington blvd, Chicago, Ill.
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GERDES & CO., 42 Church, New York
See adv index at end of book

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GRANT GEAR WORKS, Pearl & Purchase, Boston, Mass.
See adv index at end of book
Hills-McCanna Co. (Bronze), 2025 Elston, Chicago, Ill.
HINDLEY GEAR CO., 1105 Frankford av, Phila., Pa. *See adv index at end of book*
Horsburgh & Scott Co., 5110 Hamilton av, Cleveland, Ohio
JAMES D. O. MFG. CO., 1114-20 W Monroe, Chicago, Ill.
See adv index at end of book
Johnson Gear Co., Dept. H, 8th & Parker, Berkeley, Cal.
JONES W. A. FOUNDRY & MACHINE CO., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Lumen Bearing Co., 200 Lathrop, Buffalo, N. Y. *See adv index at end of book*
Mass. Gear & Tool Co., 30 Nashua, Woburn, Mass.
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Meisel Press Mfg. Co., 942 Dorchester av, Boston, Mass.
MEISSELBACH-CATUCCI MFG. CO. (Small), 56 Stanton, Newark, N. J.
See adv index at end of book
Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.
Mobile Stove & Pulley Mfg. Co., Mobile, Ala.
More-Jones Brass Metal Co. (Phosphor Bronze), B'way & Dock, St. Louis, Mo.
National Bronze & Aluminum Fdry. Co., 2539 E 79th, Cleveland, O.
Newark Gear Cutting Machine Co. (Worm Wheels Generated), 69 Prospect, Newark, N. J.
Nilson-Miller Co., 50 13th, Hoboken, N. J.
Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.
Pacific Gear & Tool Wks., 1035 Folsom, San Francisco, Cal.
Pennsylvania Gear & Machine Co. ("Penmaid"), E Tioga, Weikel & Janney, Phila., Pa.
Philadelphia Gear Works , 1123 Vine, Phila. Pa. *See adv index at end of book*

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Quaker City Gear Works, 1918H N Front, Phila., Pa.
Sawyer Gear & Mfg. Co., 5120 St. Clair, N E, Cleveland, O.
Simonds Mfg. Co. (For Electric Railways, etc), Liberty & 25th, Pittsburgh, Pa.
Stahl Gear & Machine Co., 1390 E 40th, Cleveland, O.
Taylor Machine Co., 1921 E 61st, Cleveland, Ohio
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
Titanium Bronze Co. Inc., Niagara Falls, N. Y.
TOWNSEND FOUNDRY & MACHINE SHOP CO., Broadway & Rennsselaer, Albany, N. Y.
See adv index at end of book
Treadwell Engineering Co., Easton, Pa.
See adv index at end of book
Turley Gear & Machine Co., 1505 N. 10th, St. Louis, Mo.
United Iron Works, Inc., Kansas City, Mo.
Van Dorn & Dutton Co., 2978 Woodhill, Cleveland, O.
WAPPAT GEAR WORKS, Meade & Braddock av, Pittsburgh, Pa.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Welch T. F. Co. (Brass), 55 Sudbury, Boston, Mass.
Weller Mfg. Co., 1356 N Kostner av, Chicago, Ill.
Western Gear Works, 9th av S & King, Seattle, Wash.
Worcester Gear Works Inc., 18 Grafton, Worcester, Mass.

5407— Gears (Worm Bevel)

Boston Gear Works, Norfolk Downs, Quincy, Mass.
See adv index at end of book
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Dundore Mfg. Co., Reading, Pa.
FOOTE GEAR WORKS, 430 N Oakley blvd, Chicago
See adv index at end of book
Grant Gear Works, Pearl & Purchase, Boston, Mass.
See adv index at end of book
James D. O. Mfg. Co., 1120 W Monroe, Chicago, Ill.
Johnson Gear Co., Dept. H, 8th & Parker, Berkeley, Cal.
Massachusetts Gear & Tool Co., Woburn, Mass.
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Philadelphia Gear Works, 1123 Vine, Phila. Pa. *See adv index at end of book*
Quaker City Gear Works, 1918H N Front, Phila., Pa.

5408—Gears (Worm Gear Reduction)

See also Gears, Cut; also Speed Reducers
ALBAUGH-DOVER MFG. CO., 2122 Marshall blvd, Chicago, Ill.
See adv index at end of book
Bond Foundry & Machine Co., Penn St., Manheim, Pa.
Boston Gear Works, Norfolk Downs, Quincy, Mass.
See adv index at end of book
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Dundore Mfg. Co., Reading, Pa.
FAWCUS MACHINE CO., 2818-2828 Smallman, Pittsburgh, Pa.
See adv index at end of book
FOOTE GEAR WORKS, 430 N Oakley blvd, Chicago
See adv index at end of book
Gerdes & Co. Inc., 42 Church, New York
See adv index at end of book

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Grant Gear Works, Pearl & Purchase, Boston, Mass.
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HINDLEY GEAR CO., 1105 Frankford av, Phila., Pa. *See adv index at end of book*
Horsburgh & Scott Co., 5110 Hamilton av, Cleveland, Ohio
James D. O. Mfg. Co., 1120 W Monroe, Chicago, Ill.
Johnson Gear Co., Dept. H, 8th & Parker, Berkeley, Cal.
JONES W. A. FOUNDRY & MACHINE CO., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.
PHILADELPHIA GEAR WORKS, 1123 Vine, Philadelphia, Pa.
See adv index at end of book
Quaker City Gear Works, 1918H N Front, Phila., Pa.
Smith Winfield H., 14 Lock, Buffalo, N. Y.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

5408a— Gears & Pinions

See also Gears, Cut; also Gears, Machine Molded
ALBAUGH-DOVER MFG. CO., 2122 Marshall blvd, Chicago, Ill.
See adv index at end of book
Bethlehem Steel Co., Bethlehem, Pa.
Boston Gear Works, Norfolk Downs, Quincy, Mass.
See adv index at end of book
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Chicago Rawhide Mfg. Co. (The), 1307 Elston av, Chicago, Ill.
See adv index at end of book
Connecticut Gears, Inc. ("Connecticut"), 545 Cooke, Waterbury, Conn.
Delaware Hard Fibre Co. (Fibre, "Egyptian"), Wilmington, Del.
See adv index at end of book
Diefendorf Gear Corp., 324H Pearl, Syracuse, N. Y.
Dundore Mfg. Co., Reading, Pa.
FALK CORP., ft. of 30th, Milwaukee, Wis.
See adv index at end of book
Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn.
See adv index at end of book
FOOTE BROS. GEAR & MACHINE CO. (Fibre, Micarta & Rawhide, Bronze, Iron, Steel, etc), 217 N Curtis, Chicago
See adv index at end of book
Fulton Iron Works Co., 1259 Delaware av, St. Louis, Mo.
GERDES & CO., 42 Church, New York
See adv index at end of book
Grant Gear Works, Pearl & Purchase, Boston, Mass.
See adv index at end of book
Hill Clutch Machine & Foundry Co., W 65th, Cleveland, Ohio
Horsburgh & Scott Co., 5110 Hamilton av, Cleveland, Ohio
JAMES D. O. MFG. CO. ("James"), 1114-20 W Monroe, Chicago, Ill.
See adv index at end of book
Jeffrey Mfg. Co., 961 N Fourth, Columbus, Ohio
See adv index at end of book
Johnson Gear Co., Dept. H, 8th & Parker, Berkeley, Cal.
JONES W. A. FOUNDRY & MACHINE CO., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Massachusetts Gear & Tool Co., Woburn, Mass.
Mechanical Specialties Mfg. Co., 1619 N Washtenaw av, Chicago, Ill.
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
PHILADELPHIA GEAR WORKS, 1123 Vine, Phila., Pa.
See adv index at end of book
POOLE ENGINEERING & MACHINE CO., Woodberry, Baltimore, Md.
See adv index at end of book
Quaker City Gear Works, 1918H N Front, Phila., Pa.
Stevenson Gear Co., 1019 Cornell, Indianapolis, Ind.
Tool Steel Gear & Pinion Co., Township av & Elmwood pl
United Engineering & Foundry Co., Farmers Bk. bldg, Pittsburgh, Pa.
Van Dorn & Dutton Co., 2978 Woodhill rd, Cleveland, Ohio
WAPPAT GEAR WORKS, Meade & Braddock av, Pittsburgh, Pa.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Wilmington Fibre Specialty Co., Wilmington, Del.

5408a—*Gears & Pinions (Angle Mortise)

POOLE ENGINEERING & MACHINE CO., Woodberry, Baltimore, Md.
See adv index at end of book

5408b—*Gears & Pinions (Bevel Mortise)

POOLE ENGINEERING & MACHINE CO., Woodberry, Baltimore, Md.
See adv index at end of book

Gears & Pinions (Automobile)

See Gears, Automobile

5409—Gears & Pinions (Case Hardened)

ALBAUGH-DOVER MFG. CO., 2122 Marshall blvd, Chicago, Ill.
See adv index at end of book
Boston Gear Works, Norfolk Downs, Quincy, Mass.
See adv index at end of book
Bultman F. H. Co. (The), 10271 Berea rd, Cleveland, Ohio
See adv index at end of book
Connecticut Gears, Inc. ("Connecticut"), 545 Cooke, Waterbury, Conn.
Dundore Mfg. Co., Reading, Pa.
GERDES & CO., INC., 42 Church, New York
See adv index at end of book
James D. O. Mfg. Co., 1120 W Monroe Chicago, Ill.
Massachusetts Gear & Tool Co., Woburn, Mass.
Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.

Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*
PITTSBURGH GEAR & MACHINE CO., 27th & Smallman, Pittsburgh, Pa. *See adv index at end of book*
Quaker City Gear Works, 1918H N Front, Phila., Pa.
Stevenson Gear Co., 1019 Cornell, Indianapolis, Ind.
Stroh Steel Hardening Process Co., 1st National Bank bldg, Pittsburgh, Pa.

5410—Gears & Pinions ("Fabroil")

Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
BOSTON GEAR WORKS, Norfolk Downs, Quincy, Mass. *See adv index at end of book*
Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn. *See adv index at end of book*
GENERAL ELECTRIC CO. (& "Textolite"), Schenectady, N. Y. *See adv index at end of book*
Johnson Gear Co., Dept. H, 8th & Parker, Berkeley, Cal.
Philadelphia Gear Works, 1123 Vine, Phila. Pa. *See adv index at end of book*
Quaker City Gear Works, 1918H Front, Phila., Pa.

5410a—Gears & Pinions (Mill)

See also Gears, Mill

Bethlehem Steel Co., Bethlehem, Pa.
Bond Foundry & Machine Co., Penn, Manheim, Pa.
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Dundore Mfg. Co., Reading, Pa.
Earle Gear & Machine Co., 4707 Stenton, Philadelphia, Pa.
FALK CORP., ft. of 30th, Milwaukee, Wis. *See adv index at end of book*
FAWCUS MACHINE CO., 2318-2328 Smallman, Pittsburgh, Pa. *See adv index at end of book*
GERDES & CO., INC., 42 Church, New York *See adv index at end of book*
Horsburgh & Scott Co., 5110 Hamilton av, Cleveland, Ohio
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
MESTA MACHINE CO., Box 1124, Pittsburgh, Pa. *See adv index at end of book*
Mobile Stove & Pulley Mfg. Co., Mobile, Ala.
Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*
POOLE ENGINEERING & MACHINE CO., Woodberry, Baltimore, Md. *See adv index at end of book*
Quaker City Gear Works, 1918H Front, Phila., Pa.

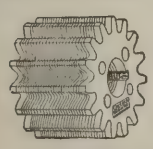
5410b—*Gears & Pinions (Mitre Mortise)

POOLE ENGINEERING & MACHINE CO., Woodberry, Baltimore, Md. *See adv index at end of book*

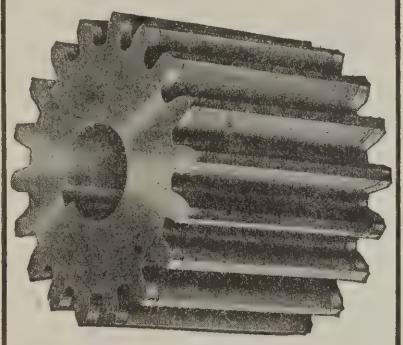
5411—Gears & Pinions (Rawhide)

See also Gears, Cut

ALBAUGH-DOVER MFG. CO., 2122 Marshall blvd, Chicago, Ill.
American Die & Tool Co., Reading, Pa.
Boston Gear Works, Norfolk Downs, Quincy, Mass. *See adv index at end of book*
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Earle Gear & Machine Co., 4707 Stenton, Phila., Pa.
FAWCUS MACHINE CO., 2318-2328 Smallman, Pittsburgh, Pa. *See adv index at end of book*
FOOTE GEAR WORKS, 430 N Oakley blvd, Chicago *See adv index at end of book*
GANSCHOW WM. CO., 1017 Washington blvd, Chicago, Ill. *See adv index at end of book*
GERDES & CO., 42 Church, New York. *See adv index at end of book*


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Horsburgh & Scott Co., 5110 Hamilton av, Cleveland, Ohio
JAMES D. O. MFG. CO. ("James"), 1114-20 W Monroe, Chicago, Ill. *See adv index at end of book*
Johnson Gear Co., Dept. H, 8th & Parker, Berkeley, Cal.
Jones W. A. Foundry & Machine Co., 4442 W Roosevelt rd, Chicago, Ill. *See adv index at end of book*
Massachusetts Gear & Tool Co., Woburn, Mass.
MEACHEM GEAR CORP., Syracuse, N. Y. *See adv index at end of book*
MECCA MACHINERY CO., 85-87 Adams, Brooklyn, N. Y.
Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.
Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*
PITTSBURGH GEAR & MACHINE CORP., 27th & Smallman, Pittsburgh, Pa. *See adv index at end of book*
Stahl Gear & Mach. Co., 1390 E 40th, Cleveland, O.
Stevenson Gear Co., 1019 Cornell, Indianapolis, Ind.
Van Dorn & Dutton Co., 2978 Woodhill rd, Cleveland, Ohio
Worcester Gear Works Inc., 18 Grafton, Worcester, Mass.

5411a—*Gears & Pinions (Spur)

POOLE ENGINEERING & MACHINE CO., Woodberry, Baltimore, Md. *See adv index at end of book*

5411b—*Gears & Pinions (Spur Mortise)

POOLE ENGINEERING & MACHINE CO., Woodberry, Baltimore, Md. *See adv index at end of book*

5412—Gears & Pinions (Vanadium)

Crofoot Gear Co. Inc., Readville, Mass.
Dundore Mfg. Co., 224 Orange, Reading, Pa.
GRANT GEAR WORKS, Pearl & Purchase, Boston, Mass. *See adv index at end of book*
Johnson Gear Co., Dept. H, 8th & Parker, Berkeley, Cal.
Mackintosh-Hemphill Co. (Chrome Nickel & Molybdinum), 12th & Etna, Pittsburgh, Pa.
Massachusetts Gear & Tool Co., Woburn, Mass.
Meisel Press Mfg. Co., 942 Dorchester av Boston, Mass.
Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*
Ohio Steel Foundry Co., Lima, O.
Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*
Pratt & Letchworth Co., 189 Tonawanda, Buffalo, N. Y.
Quaker City Gear Works, 1918H N Front, Phila., Pa.
Stevenson Gear Co., 1019 Cornell, Indianapolis, Ind.
Van Dorn & Dutton Co., 2978 Woodhill, Cleveland, O.
Wheeling Mold & Fdry. Co., Wheeling W. Va.

5412a— Gelatin Dynamite

Atlas Powder Co., Wilmington, Del.
DU PONT E. I. DE NEMOURS & CO., INC., Explosives & Smokeless Powder Depts. ("Du Pont." See Adv. at Explosives), Wilmington, Del. *See adv index at end of book*
McAbee G. R. Powder & Oil Co., Oliver bldg, Pittsburgh, Pa.

5413— Gelatin Mfrs.

Amer. Agrl. Chem. Co., 2 Rector, New York
American Glue Co., 121 Beverly, Boston, Mass.
Armour Glue & Ammonia Works, San Francisco, Cal.
Baeder, Adamson & Co., Richmond & Allegheny av, Phila., Pa.
California Glue Works, Fairfax av & Rankin, San Francisco, Cal.
Clarkson Glue Co., 2143 Blue Island av, Chicago, Ill.
Colgnet Chemical Products Co., 17 State, New York
Commonwealth Glue Co., 708 S Delaware,
Cooper's Peter Glue Factory, 11th av & 28th, New York
Crystal Gelatine Co., 121 Beverly, Boston, Mass.
Dann T. W. Co., 348 Front, New York
Diamond Glue Co., Robinson & Ill. Mich. Canal, Chicago, Ill.
Essen Gelatine Co., 40 N Market, Boston, Mass.
Hercules Powder Co., Wilmington, Del.
Hewitt C. B. & Bro., Inc., 20 Ferry, New York *See adv index at end of book*
Isaacs S. & Co. (Imp), 100 William, New York
Kind & Landesmann, Camden, N. J.
Midland Glue Co., Madison, Ind.
Morningstar Chas. & Co., Inc. (Imp.), 650 W 34th, New York
Pfaltz & Bauer (Imp), 300 Pearl, New York
Stevenot Chas. J. & Co. (Imp), 333 Pearl, New York
Sullivan Jas. & Son, Marblehead, Mass.
United Chem. & Organic Products Co., 111 W Washington, Chicago, Ill.

5413a—Generating Sets (Gas-Elec.)

Am. Blower Co. (Electric), 6004 Russell, Detroit, Mich.
Atwater Kent Mfg. Co., 4937 Stenton av, Phila., Pa.
Ell Bridge Co., Jacksonville, Ill.
Sturtevant B. F. Co. ("Sturtevant") (Also Marine), 15 Damon, Hyde Park, Boston, Mass.

5414—Generating Sets (Motor)

See also Dynamos & Motors

Allis-Chalmers Mfg. Co. (Synchronous & Induction; Illgnor Flywheel Sets), Milwaukee, Wis. *See adv index at end of book*
BARKER BROS. INC., 327-329 Johnson, Brooklyn, N. Y. *See adv index at end of book*
Benton Electric Co. (Direct Current, 1 to 100 H.P.), La Crosse, Wis.
BURKE ELECTRIC CO., Erie, Pa. *See adv index at end of book*
Connecticut Dynamo & Motor Co., Irvington, N. J.
Crocker-Wheeler Co., Ampere, N. J.
Cushman Electric Co., Concord, N. H.
Duquesne Elec. & Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Eager Electric Co., Watertown, N. Y.
Eck Dynamo & Motor Co., Belleville, N. J.
Elec. Machy. Mfg. Co. (Direct Current), 14th av & N E Tyler, Minneapolis, Minn.
Engberg Electric & Mechanical Works, St. Joseph, Mich.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Fort Wayne Electric Works of General Electric Co., Fort Wayne, Ind.
Fuerst-Friedman Co. (The), (New & Rebuilt), E 53rd & Hamilton av, Cleveland, Ohio

(Continued on following page)

Generating Sets (Motor)—Continued

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
GENERAL PLATERS' SUPPLY CO., INC., 103 Grand, Brooklyn, N. Y.
See adv index at end of book
Hewitt C. B. & Bros., Inc., 20 Ferry, New York *See adv index at end of book*
Hobart Bros. Co., Troy, N. Y.
Ideal Electric & Mfg. Co. ("Ideal"), Mansfield, Ohio
Jantz & Leist Electric Co., Cincinnati, O.
Lincoln Electric Co., Cleveland, O.
Recording & Computing Machine Co. ("Ahmer"), Dayton, Ohio
RELIANCE ELECTRIC & ENGINEERING CO. (up to 150 K. W.), 1064 Ivanhoe rd, Cleveland, Ohio
See adv index at end of book
Ridgway Dynamo & Engine Co., Ridgway, Pa.
Robbins & Myers, 1400 Lagonda av, Springfield, Ohio
Roth Bros. & Co., 1400 W Adams, Chicago, Ill.
Schramm Chris, D. & Son (Direct Connected 15 to 35 H P), 709 Arch, Phila., Pa.
Star Delta Electrical Works, 250 Fremont, San Francisco, Cal.
Triumph Electric Co., Oakley, Cincinnati, Ohio
Valley Electric Co., 3157H S. Kingshighway, St. Louis, Mo.
Wagner Electric Mfg. Co. (Small), 6400 Plymouth av, St. Louis, Mo.
Western Electric Co., 463 West, New York
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

5415—Generating Sets (Oil Engine)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Charter Gas Engine Co. ("Mietz" Oil Engine), Sterling, Ill.
Hewitt C. B. & Bro., Inc., 20 Ferry, New York *See adv index at end of book*
Jager Chas. J. Co. ("Mason-Jager," also Gasoline), 15 Custom House, Boston, Mass.

5416—Generating Sets (Steam Engine & Steam Turbine, Electric)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Duquesne Elec. & Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.

5416a—Generator Cooling Systems

COOLING TOWERS CO., INC. (THE), 15 John, New York
See adv index at end of book
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.

5416b—*Generator Sets (Engine)

Fuerst-Friedman Co., E 53rd & Hamilton av, Cleveland, Ohio

Generators (Acetylene)

See Gas Machines, Acetylene

5416c—Generators (Alternating & Direct Current)

FAIRBANKS MORSE & CO., 900 S Wabash av, Chicago
See adv index at end of book

5417—Generators (Chlorine)

(Made of Acid Proof Stoneware)
General Ceramics Co. (Clay), 50 Church, New York
Graham Chas. Chemical Pottery. Works: 986 Metropolitan av., Brooklyn, N. Y.

5418—Generators (Electric Lighting)

See also Dynamos & Motors
Aaron Electric Co., 9 S Clinton, Chicago, Ill.
Airway Electric Appliance Corp. ("Airway"), 618 B'way, Toledo, Ohio
ALLIS-CHALMERS MFG. CO. (Steam & Oil Engines, Steam Turbine, Electric, Gasoline Engine or Belted Drive), Milwaukee, Wis.
See adv index at end of book
Allis Louis Co., 133 Stewart, Milwaukee, Wis.
American Blower Co., 6004 Russell, Detroit, Mich.
Atwater Kent Mfg. Co., 4937 Stenton av, Phila., Pa.
Bell Elec. Motor Co., Garwood, N. J.
Bissell F. Co. ("Bissell"), Toledo, O.
BURKE ELECTRIC CO., Erie, Pa.
See adv index at end of book
Carleton Co. (Limited Quantity), 27 Commercial, Boston, Mass.
Crocker-Wheeler Co. (D C), Ampere, N.J.
Diehl Mfg. Co., Elizabeth, N. J.
Duquesne Elec. & Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Eager Electric Co., Dept. H, Watertown, N. Y.
Eck Dynamo & Motor Co., Belleville, N. J.
Elec. Machy. Mfg. Co., 14th av & N E Tyler, Minneapolis, Minn.
Elec. Products Co., Clarkstone rd, Cleveland, O.
Electric Specialty Co., Stamford, Conn.
Emerson Elec. Mfg. Co., 2024 Wash av, St. Louis, Mo.
Fairbanks Morse & Co., 900 S Wabash av, Chicago, Ill.
Fort Wayne Electric Works of General Electric Co. (D C & A C), Fort Wayne, Ind.
Fuerst-Friedman Co. (The), E 53rd & Hamilton av, Cleveland, Ohio
GENERAL ELECTRIC CO. (Direct & Alternating Current), Schenectady, N. Y.
See adv index at end of book
Great Lakes Elec. Mfg. Co., 11-17 S Desplaines, Chicago, Ill.
Gregory Elec. Co., 1601 S. Lincoln, Chicago, Ill.
Harvey Machine Co., 1335 S Los Angeles, Los Angeles, Cal.
Henricks Magneto & Elec. Co. (For Farm Light Outfit), Indianapolis, Indiana
Hobart Bros. Co., Troy, Ohia
Ideal Electric & Mfg. Co. ("Ideal"), Mansfield, O.
Industrial Electric Co., 1216 Santa Fe av, Los Angeles, Cal.
Jantz & Leist Electric Co., Cincinnati, O.
Kentucky Elec. Co. (D C), Owensboro, Ky.
Kester Elec. Co., Terre Haute, Ind.
Lincoln Electric Co., Cleveland, O.
Maine Electric Co., 35 Concord, Portland, Me.
Marble Card Elec. Co., Gladstone, Mich.
Mechanical Appliance Co., Milwaukee, Wis.
Owen-Dyneto Corp. (Farms), 301 Wolf, Syracuse, N. Y.
Pan Electric Mfg. Co., 735 S 4th, St. Louis, Mo.
Peerless Elec. Co., 550 W Harrison, Chicago, Ill., & Warren, Ohio
RELIANCE ELECTRIC & ENGINEERING CO. (up to 150 K. W.), 1064 Ivanhoe rd, Cleveland, Ohio
See adv index at end of book
Ridgway Dynamo & Engine Co., Ridgway, Pa.
Rochester Motors Co., 609 Driving Park av, Rochester, N. Y.
Robbins & Myers Co. (Up to 15 K W), 1400 Lagonda av, Springfield, O.
Roth Bros. & Co., 1400 W Adams, Chicago, Ill.
Star-Delta Electrical Works, 250 Fremont, San Francisco, Cal.
Star Dynamo Works, Jefferson City, Mo.
Star Electric Motor Co. (A. C. & D. C.), Miller & N. J. RR. av, Newark, N. J.
Titan Engineering Co. (6 Volt), Butler, Ind.
Triumph Electric Co. (Direct & Alternating), Oakley, Cincinnati, O.
U. S. Elec'l Mfg. Co., 300 S Central av, Los Angeles, Cal.
Valley Electric Co. (Farm), 3157H S. Kingshighway, St. Louis, Mo.
Wagner Electric Mfg. Co. (Direct & Alternating), 6400 Plymouth av, St. Louis, Mo.
Wesche B. A. Elec. Co., 327 E 6th, Cincinnati, Ohio
Westinghouse Electric & Mfg. Co. (Direct & Alternating Current), East Pittsburgh, Pa. *See adv index at end of book*

5419—Generators (Electric Power)

Allis Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Allis Louis Co., 133 Stewart, Milwaukee, Wis.
Bell Elec. Motor Co., Garwood, N. J.
Bessemer Gas Engine Co., Grove City, Pa.
Bissell F. Co. ("Bissell"), Toledo, Ohio
Bodine Elec. Car, 2254 W Ohio, Chicago, Ill.
BURKE ELECTRIC CO., Erie, Pa.
See adv index at end of book
Crocker-Wheeler Co. (D C), Ampere, N.J.
Cushman Electric Co. (AC), Concord, N. H.
De Vry Corp., (32 Volt, Portable), 1111 Center, Chicago, Ill.
Diehl Mfg. Co., (Direct), Elizabeth, N. J.
Duquesne Elec. & Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Eck Dynamo & Motor Co., Belleville, N. J.
Elec. Machy. Mfg. Co. (D. C. & A. C.), 14th av & N E Tyler, Minneapolis, Minn.
Engberg Electric & Mechanical Works, St. Joseph, Mich.
Electric Specialty Co., Stamford, Conn.
Emerson Elec. Mfg. Co., 2024 Wash av, St. Louis, Mo.
Fairbanks Morse & Co., 900 S Wabash av, Chicago, Ill.
Fort Wayne Electric Works of General Electric Co. (D C & A C), Fort Wayne, Ind.
GENERAL ELECTRIC CO. (Direct & Alternating Current), Schenectady, N. Y.
See adv index at end of book
Great Lakes Elec. Mfg. Co., 11-17 S Desplaines, Chicago, Ill.
Green L. A. (Dealer), First Nat'l Bk. Bldg, Pittsburgh, Pa.
Holtzer-Cabot Elec. Co., 125 Armory, Boston, Mass.
Ideal Electric & Mfg. Co. ("Ideal"), Mansfield, O.
Jantz & Leist Electric Co., Cincinnati, O.
Kester Elec. Co., Terre Haute, Ind.
Lincoln Electric Co., Cleveland, O.
McKeever Electric Co., 244 S High, Columbus, O.
Marble Card Elec. Co., Gladstone, Mich.
Mechanical Appliance Co., Milwaukee, Wis.
Northwestern Mfg. Co. (Direct Current Up to 75 K W), 482 Clinton, Milwaukee. Wis.
Pan Electric Mfg. Co., 735 S 4th, St. Louis, Mo.
Peerless Elec. Co., 55 W Harrison, Chicago, Ill., & Warren, Ohio
RELIANCE ELECTRIC & ENGINEERING CO. ("Reliance" Direct up to 150 K. W.), 1064 Ivanhoe rd, Cleveland, Ohio
See adv index at end of book
Ridgway Dynamo & Engine Co., Ridgway, Pa.
Robbins & Myers Co. (Up to 15 K W), 1400 Lagonda av, Springfield, O.
Rochester Motors Co., 609 Driving Park av, Rochester, N. Y.
Star Dynamo Works, Jefferson City, Mo.
Star Electric Motor Co. (A. C. & D. C.), Miller & N. J. RR. av, Newark, N. J.
Sturtevant B. F. Co. ("Sturtevant" Direct), 15 Damon, Hyde Park, Boston, Mass.
Triumph Electric Co. (D. C. & A. C.), Oakley, Cincinnati, O.
U. S. Elec'l Mfg. Co., 300 S Central av, Los Angeles, Cal.
Virginian Electric & Machine Works, Charleston, W. Va.
Wagner Electric Mfg. Co., 6400 Plymouth av, St. Louis, Mo.
Wald Electric Mfg. Corp., 248 N 10th, Brooklyn, N. Y.
Wesche B. A. Elec. Co., 327 E 6th, Cincinnati, Ohio
Westinghouse Electric & Mfg. Co. (Direct & Alternating), East Pittsburgh, Pa.
See adv index at end of book
Zelnicker Walter A. Supply Co. (Dealer), 325 Locust, St. Louis, Mo.

5419a—Generators (Electro Plating)

BARKER BROS. INC., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
Bennett-O'Connell Co., 3600 S Morgan, Chicago, Ill.
Bishop W. S., 63 Bradley, New Haven, Conn.
Bogue Chas. J. Electric Co., 132 King,
Connecticut Dynamo Motor Co., Irvington, N. J.
Cutter & Wood Supply Co. (Jobbers), 274 Friend, Boston, Mass.
Dixon, Wm., 119 Fulton, New York
Eager Electric Co., Dept. H, Watertown, N. Y.
Electric Specialty Co., Stamford, Conn.
Fuerst-Friedman Co., E 53 & Hamilton av, Cleveland, Ohio
Hanson & Van Winkle, 269 Oliver, Newark, N. J.
Holtzer-Cabot Electric Co., 125 Armory, Boston, Mass.
Ideal Electric & Mfg. Co., Mansfield, Ohio
Industrial Electric Co. ("Industrial"), 1215 Santa Fe av, Los Angeles, Cal.
Jantz & Leist Elec. Co., Cincinnati, O.
Kendrick & Davis Co., Lebanon, N. H.
L'Hommedieu Chas. F. & Sons, 4521 Ogden av, Chicago, Ill.
Munning A. P. & Co., Matawan, N. J.
Pan Electric Mfg. Co., 735 S 4th, St. Louis, Mo.
Rochester Motors Co., 609 Driving Park av, Rochester, N. Y.
Stevens Frederic B., Inc., 3rd & Larned, Detroit, Mich.
See adv index at end of book
U. S. Elec'l Mfg. Co., 300 S Central av, Los Angeles, Cal.

5420—Generators (Electrolytic)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Ideal Electric & Mfg. Co., Mansfield, O.

5421—Generatcrs (Electrotyping)

Jantz & Leist Electric Co., Cincinnati, O.

5422—Generators (Heat, Hot Water)

Amer. Heating Spec. Co., Box 344, Peru, Ind.
Belknap Mfg. Co., 800 Union av, Bridgeport, Conn.
Frost N. E. Co., 761 Mather, Chicago, Ill.
Honeywell Heating Spec. Co., Wabash, Ind.
Knickerbocker Valve Co., Oneida, N. Y.
Makin Heating Co. ("Maheco"), 1827 Filbert, Philadelphia, Pa.
Phelps Bros. Co., 101 Beekman, New York
Sims Co. ("Sims" Instantaneous or Circulating), 18th & Whitley av, Erie, Pa.
Watson C. David L., 1022 S 6th, Terre Haute, Ind.

5423—Generators (Hot Water)

GRISCOM RUSSELL CO., 92 West, New York
See adv index at end of book

G-R Instantaneous Heaters



For furnishing hot water for ALL PURPOSES IN ANY QUANTITY DESIRED. UTILIZES HIGH PRESSURE OR EXHAUST STEAM AS THE HEATING MEDIUM.



THE
GRISCOM-RUSSELL CO.
92 West Street New York

Hardt Generator Co., Easton, Pa.
Quaker City Iron Works, Tioga & Richmond, Philadelphia, Pa.
Seymour David C., 49 Lawrence, Newark, N. J.
Tyler Fred. A. ("Domestic," Will Fit Any Steam or Hot Water Boiler, Furnace, etc), Albany, N. Y.

5424—Generators (Low Voltage)

Airway Electric Appliance Corp. ("Airway"), 618 B'way, Toledo, Ohio
Eck Dynamo & Motor Co., Belleville, N. J.
Elsemann Magneto Corp., 32 33d, Brooklyn, N. Y.
Fuerst-Friedman Co., E 53 & Hamilton av, Cleveland, Ohio
Ideal Electric & Mfg. Co. (For Electro-Metallurgical Work, etc), Mansfield, O.
Industrial Electric Co., 1216 Santa Fe av, Los Angeles, Cal.
Robbins & Myers, 1400 Lagonda av, Springfield, Ohio
Star Delta Electrical Works, 250 Fremont, San Francisco, Cal.

5425—Generators (Magneto)

Recording & Computing Machine Co. ("Ohmer"), Dayton, Ohio
Vesta Battery Corp. ("Vesta"), 2100 Indiana av, Chicago, Ill.

5425a—Generators (Oil Engine Driven)

GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book

5426—Generators (Oxygen & Hydrogen)

American Air Commerce Corp. ("Blondin" Aeronautical), 2018 Sacramento, Los Angeles, Cal.
Burdett Mfg. Co. (Electrolytic Oxygen), 309 St. Johns ct, Chicago, Ill.
Electrolabs Co., 2635 Penn av, Pittsburgh, Pa.
Gas Engineering Co., Trenton, N. J.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

5427-8—Generators (Ozone)

Elec. Water Sterilizer & Ozone Co., Scottdale, Pa.
Goldberg Ozone Machine Co., 518 Capitol av, Indianapolis, Ind.
Ozone Pure Airifier Co. (For Improving Bad Air Conditions in Banks, Offices, Theatres, Schools, Homes, etc.), 1455 W Congress, Chicago, Ill.
Rackwood Mfg. Co., Indianapolis, Ind.

5429— Generators (Steam)

Combustion Utilities Corp., 8-10 Bridge, New York
Keokuk Hydraulic Tire Setter Co., Keokuk, Ia.
Lattner P. M. Mfg. Co. ("Eureka" Automatic), Cedar Rapids, Ia.
Surface Combustion Co. The, 334 Gerard av, Bronx, New York
See adv index at end of book

5430—Generators (Street Railway)

See also Generators, Electric Power; also Dynamos & Motors

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Crocker-Wheeler Co., Ampere, N. J.
Ideal Electric & Mfg. Co., Mansfield, O.
Kester Electric Co., Terre Haute, Ind.
Ridgway Dynamo & Engine Co., Ridgway, Pa.
Westinghouse Electric & Mfg. Co. (Direct & Alternating Current), East Pittsburgh, Pa. *See adv index at end of book*

5431—Generators (Turbine Driven)

Allis-Chalmers Mfg. Co. (Steam, Oil and Gas Engine, Steam or Hydraulic Turbine, Electric, Gasoline Engine or Belted Drive), Milwaukee, Wis.
See adv index at end of book
AM. SPIRAL PIPE WORKS, Box 485, Chicago, Ill. & 50 Church, New York
See adv index at end of book
GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book
Kerr Turbine Co. ("Turbogen"), Wellsville, N. Y.
Moon Mfg. Co. ("Moon" Steam), 122 N. Jefferson, Chicago, Ill.
Moore Steam Turbine Corp., Dept. H, Wellsville, N. Y.
Power Turbo Blower Co., 350 Madison av, New York
Pyle National Co. ("Lighting the Way," "Pyle National"), 1334 N Kostner av, Chicago, Ill.
Westinghouse Elec. & Mfg. Co., E Pittsburgh, Pa. *See adv index at end of book*

5432—*Generators (Water Wheel Driven)

Allis-Chalmers Mfg. Co. (Hydroelectric Units), Milwaukee, Wis.
See adv index at end of book
GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book

5432a— Germanium Dioxide

NEW JERSEY ZINC SALES COMPANY THE, 158 Front, New York
See adv index at end of book

5433— Germicides

MOSSO C. A. LABORATORIES, INC. (Use OIL-OF-SALT faithfully. Never neglect an injury of any character. The smallest cut, seemingly of little importance, is fully as treacherous as the deepest cut or the most serious injury. To understand that you have but to consider statistics, which prove that over 87% of all compensation paid by liability insurance companies is due directly to minor cuts, lacerations and similar injuries. Do not hesitate to use it for any condition. It is harmless and can be used with perfect safety.
OIL-OF-SALT is used with positive results by government, city and fire department officials, and by hospital authorities in the general manufacturing and transportation fields.
A request on your letterhead will bring a sample bottle free), 214 S Leavitt st, Chicago
See adv index at end of book

5434-5—Giants (Hydraulic)

Abendroth & Root Mfg. Co., Newburgh, N. Y. *See adv index at end of book*
AMERICAN SPIRAL PIPE WORKS, Box 485, Chicago, Ill., and 50 Church, New York
See adv index at end of book
Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.
Seattle Machine Works, 51 W Lander, Seattle, Wash.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

5436— Gibs & Keys

Continental Fibre Co. (Engine Crosshead Fibre, etc.), Newark, Del.
Delaware Hard Fibre Co. (Engine, Crosshead, etc., Fibre), Wilmington, Del.
See adv index at end of book
Standard Automatic Products Co., Corry, Pa.
Standard Gauge Steel Co., Beaver Falls, Pa.
See adv index at end of book

Gilsonite (Domestic)

See Asphalt Miners & Refiners

Gimlet Mfrs.

See Bits, Gimlet

5437— Glass (Actinic)

PENNSYLVANIA WIRE GLASS CO. (Heat Intercepting), (With or Without Wire), Penna. bldg, Philadelphia, Pa.
See adv index at end of book

5437a—Glass (Aqueduct Wire)

Pennsylvania Wire Glass Co. (Drip-Proof), Penna. bldg, Philadelphia, Pa.
See adv index at end of book

5438— Glass Benders

Clarksburg Glass Co., Clarksburg, W. Va.
Donnelly J. R. Co., 54 Classon av, Brooklyn, N. Y.
Hadley-Dean Glass Co., 11th & Lucas av, St. Louis, Mo.
Oriel Glass Co., 722 Chestnut, St. Louis, Mo.
Smith Thos. J. D., 65 Chambers, Newark, N. J.
Tuna Glass Co., Clarksburg, W. Va.
Western Mirror Plate Co., 824 Wade, Cincinnati, O.

5439-40— Glass Bevelers

Alta Glass Beveling Works, 1781 Mission, San Francisco, Cal.
Bloom Alfred Co., Omaha, Neb.
Central Glass Co., Inc., R. R. & Fulton, Evansville, Ind.
Chaudron & Co., 1112 Cathedral, Baltimore, Md.
Chicago Mirror & Art Glass Co., 216 N Clinton, Chicago, Ill.
Clinton Glass Co., 1000 W. 21st, Chicago, Ill.
Cobbledick-Kibbe Glass Co., 3rd & Washington, Oakland, Cal.
Dayton Art Glass Works, Dayton, O.
Dayton Lens & Glass Beveling Works, 612-614 Washington, Dayton, Ohio
Donnelly J. R. Co., 54 Classon av, Brooklyn, N. Y.
Empire Ornamental Glass Co., 538 Greenwich, New York
Galet A., 1121 Mission, San Francisco, Cal.
Haskins Art Glass Co., Rochester, N. Y.
Hires Turner Glass Co., 30th & Walnut, Phila, Pa.
Ingerson & Glaser Co., 1739 Sacramento, San Francisco, Cal.
Jones Decorative Glass Co., 231 Hudson av, Brooklyn, N. Y.
Kansas City Stained Glass Works Co., 1514 Wyandotte, Kansas City, Mo.
McPhee & McGinnity Co., Denver, Colo.
Oregon Mirror & Beveling Works, 105 N 5th, Portland, Ore.
Pioneer Plate & Window Glass Co., 1026 Mission
Potts Bros., 256 Hudson, N. Y.
Queen City Glass Works, 217 W 2d, Cincinnati, O.
Raphael H. Co., Los Angeles, Cal.
Riordan G. C. & Co., 313 Walnut, Cincinnati, O.
Smith Thos. J. D., Newark, N. J.
Standard Art Glass Works, 3237 Adeline, Berkeley, Cal.
Standard Glass Specialty Co., Morgantown, W. Va.
Standard Glass & Paint Co., Des Moines, Ia.
Stewart-Carey Glass Co., 231 S New Jersey, Indianapolis, Ind.
United Glass Works, 58 Page, San Francisco, Cal.
Von Gerichten Art Glass Co.,, 557 S High Columbus, O.
Western Mirror Plate Co., 824 Wade, Cincinnati, O.
Western Sand Blast Mfg. Co., 1458 W Kinzie, Chicago, Ill.

5441— *Glass (Carnation)

WESTERN GLASS CO., Streator, Ill.
See adv index at end of book

5442— Glass (Carrara)

Pittsburgh Plate Glass Co., Frick Bldg, Pittsburgh, Pa.

5443—Glass (Cathedral, Rough Plate & Tile)

Advance Glass Co., Newark, O.
DAPRATO STATUARY CO., 766 W Adams, Chicago, Ill.
See adv index at end of book
Elias Joseph & Co., Inc. (Cathedral), Jackson av, Long Island City, N. Y.
Gray & Son Glass Co., Falls Creek, Pa.
Highland Glass Co., Washington, Pa.
Hires Turner Glass Co., 30th & Walnut, Phila., Pa.
Kokomo Opalescent Glass Co., Kokoma Ind.
WESTERN GLASS CO. (Rough Plate Only), Streator, Ill.
See adv index at end of book

5444— Glass (Chipped)

Chaudron & Co., 1112 Cathedral, Baltimore, Md.
Empire Ornamental Glass Co., 528 Greenwich, New York
Falconer Mirror Co., Falconer, N. Y.
Gillyinder & Sons, Devereaux & State rd. Tacony, Phila., Pa.
Jones Decorative Glass Co., 231 Hudson av, Brooklyn, N. Y.
Pittsburgh Plate Glass Co., Frick Bldg, Pittsburgh, Pa.
Tuna Glass Co., Clarksburg, W. Va.
Western Sand Blast Mfg. Co., 1458 W. Kinzie, Chicago, Ill.

5445— Glass (Cobweb Wire)

Pennsylvania Wire Glass Co. (Figure), Penna. bldg, Philadelphia, Pa.
See adv index at end of book

5445a— Glass (Colored)

Pennsylvania Wire Glass Co. (Special Heat — Intercepting Glass Actinic), Penna. bldg, Philadelphia, Pa.
See adv index at end of book

5445b—Glass (Corrugated Wire)

PENNSYLVANIA WIRE GLASS CO. (Can be laid in conjunction with any material), Penna. bldg, Philadelphia, Pa.
See adv index at end of book

Glass (Druggists')

See Glassware, Chemical & Druggists'

5446— Glass Embossers

Empire Ornamental Glass Co., 528 Greenwich, New York
Ingerson & Glaser Co., 1739 Sacramento, San Francisco, Cal.
Jones Decorative Glass Co., 231 Hudson av, Brooklyn, N. Y.
Potts Bros., 256 Hudson, N. Y.
Rae G. & Co., 173 Prince, New York
Smith H. J. & Sons, 236 S 8th, Phila, Pa.
Western Sand Blast Mfg. Co., 1458 W Kinzie, Chicago, Ill.

5447— Glass Enamelers

Jones Decorative Glass Co., 231 Hudson av, Brooklyn, N. Y.
Rawson & Evans Co., 710 W Washington blvd, Chicago, Ill.
Von Gerichten Art Glass Co., 557 S High, Columbus, O.
Western Sand Blast Mfg. Co., 1027 W Madison, Chicago, Ill.

5448— Glass (Figured)

Elias Joseph & Co., Inc., Jackson av, Long Island City, N. Y.
Fry H. C. Glass Co., Rochester, Pa.
Hires Turner Glass Co., 30th & Walnut, Phila., Pa.
PENNSYLVANIA WIRE GLASS CO. ("Cobweb" "Florentine"), Penna. bldg, Philadelphia, Pa.
See adv index at end of book
Wendling Jos. Art Glass Co., 720H S. 4th, St. Louis, Mo.
WESTERN GLASS CO., Streator, Ill.
See adv index at end of book

Glass (Fire Retardant)

See Glass, Wire

5449—Glass Floor Plate Mfrs.

Hires Turner Glass Co., 30th & Walnut, Phila., Pa.
Mississippi Glass Co., 220 5th av, New York

5450—Glass (For Diffusion of Light)

Gillinder & Sons, Devereaux & State rd, Tacony, Phila., Pa.
Highland Glass Co., Washington, Pa.
Hires Turner Glass Co., 30th & Walnut, Phila., Pa.
WESTERN GLASS CO. ("Holly"), Streator, Ill. *See adv index at end of book*

5451—Glass for Electrical Use

Canton Glass Co., Marion, Ind.

5452—Glass for Engineering Specialties

See also Gauge Glass Importers
Bache, Semon & Co., 636 Greenwich, New York
Canton Glass Co., Marion, Ind.
Gillinder & Sons, State & Devereaux, Phila, Pa.
Hires Turner Glass Co., 30th & Walnut, Phila., Pa.

5453— Glass (Fused Quartz)

Engelhard Chas., Selling Agt. ("Transparent), 30 Church, New York

Glass Globes and Shades

See Globes, Various Kinds; also Shades, Glass & Porcelain, etc

5453a— Glass (Greenhouse)

Pennsylvania Wire Glass Co., Penna. bldg, Philadelphia, Pa.
See adv index at end of book

5454— Glass (Ground)

Chrystal Chas. B. Co. Inc. (Imp.), 13 Cliff, New York
See adv index at end of book
Cooper Chas. & Co. (For Polishing), 194 Worth, New York
Elias Joseph & Co., Inc., Long Island City, N. Y.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Hires Turner Glass Co., 30th & Walnut, Phila., Pa.
Ottawa Silica Co., Ottawa, Ill.
Tuna Glass Co., Clarksburg, W. Va.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

5454a— Glass (Headlight)

Pennsylvania Wire Glass Co., Penna. bldg, Philadelphia, Pa.
See adv index at end of book

5454b—Glass (Heat Intercepting) Actinic)

PENNSYLVANIA WIRE GLASS CO. (Rough, Ribbed, Aqueduct, Polished and Corrugated), Penna. bldg, Philadelphia, Pa.
See adv index at end of book

5455—Glass House Clay Supplies

Beaver Valley Pot Co., Rochester, Pa.
Buckeye Clay Pot Co., Toledo, O.
Dubois Clay Mfg. Co., Dubois, Pa.
Findlay Clay Pot Co. (Pots, Tank Blocks, Flattening-Stones, Tank Rings, Floaters, etc), Findlay, O.
Gill Clay Pot Co., Muncie, Ind.
Laclede Christy Clay Products Co., Railway Ex. bldg., St. Louis, Mo.
New Jersey Clay Pot Co., Vineland, N. J.
Ohio Valley Clay Co., Steubenville, O.
Pittsburgh, Clay Pot Co., 1361 Reedsdale, Pittsburgh, Pa.
Willets Co., 10th & Bradford, Pittsburgh, Pa.
Woods-Lloyd Co., S 30th & Jane, Pittsburgh, Pa.

5456—Glass House Furnace Builders

Amsler-Morton Co., Fulton bldg, Pittsburgh, Pa.
Cox & Sons Co., 5th & Chestnut, Phila., Pa.
Smythe S. R. Co., 2022H Oliver bldg, Pittsburgh, Pa.

5457— Glass (Leaded)

See also Glass Stainers
Baillie Ray C., 633 S Hill, Los Angeles, Cal.
Bell Alfred M. Co., 70 Sudbury, Boston, Mass.
Brand Gustave A. & Co., 1428 Michigan av, Chicago, Ill.
Bryant Bros Co., 79 E Main, Columbus, O.
Bunce Art Glass Co., Richmond, Va.
Century Stained Glass Works (Ltd.), 212 S 11th, Phila., Pa.
Chapin Louis S., Rochester, N. Y.
Chicago Mirror & Art Glass Co., 216 N Clinton, Chicago, Ill.
Clinton Glass Co., 1000 W 21st, Chicago, Ill.
Cobbledick-Kibbe Glass Co., 3rd & Washington, Oakland, Cal.
Dayton Art Glass Works, Dayton, O.
Decorative Art Glass Co., Davenport, Ia.
Detroit Stained Glass Works, 4831 W Fort, Detroit, Mich.
Dayton Lens & Glass Beveling Wks., 612-614 Washington, Dayton, Ohio
Detroit Mirror Works, 2132 Baker, Detroit, Mich.
Dixon Glass Co., E 31st & Griffin, Los Angeles, Cal.
Elias Joseph & Co., Inc., Long Island City, N. Y.
Flanagan & Biedenweg Co., 312 W Illinois, Chicago, Ill.
Ford McNutt Glass Co., 207 Washington av, Minneapolis, Minn.
Fraters Glass & Paint Co., 440 Commercial, Los Angeles, Cal.
Fuller & Goepp, 32H Page, San Francisco, Calif.
Geissler R., 56 W 8th, New York
Giannini & Hilgart, 222 W Madison, Chicago, Ill.
Gustafson J. H., Rochester, N. Y.
Hadley-Dean Glass Co., 11th & Lucas av, St. Louis, Mo.
Haskins Art Glass Co., Rochester, N. Y.
Heinigke & Smith, 24 E 13th, New York
Helmerich W. H. & Co., 719H Fulton, Chicago, Ill.
Henderson Bros., 114 E 41st, New York
Highland Glass Co., Washington, Pa.
Hires Turner Glass Co., 30th & Walnut, Phila., Pa.
Hooper-Dombrink Art Glass Co., Oakland, Cal.
Hunt Henry, 114 Wabash, Pittsburgh, Pa.
Jackson Glass Works, Jackson, Mich.
Jacoby Art Glass Co., 2700 St. Vincent, St. Louis, Mo.
Jones Decorative Glass Co., 231 Hudson av, Brooklyn, N. Y.
Judson W. H. Art Glass Co., 200 E. & av 66th, Los Angeles, Cal.
Kansas City Stained Glass Works Co., 1514 Wyandotte, Kansas City, Mo.
Key City Decorative Glass Works, Dubuque, Ia.
Los Angeles Art Glass Co., 1735 S Los Angeles, Los Angeles, Cal.
Morgan Co. (Art), Oshkosh, Wis.
O'Halloran's Thos. Sons, 410 Plane, Newark, N. J.
Payne Geo. H., Paterson, N. J.
Pittsburgh Plate Glass Co., Frick bldg, Pittsburgh, Pa.
Puget Sound Art Glass Co., 514 Westlake av N, Seattle, Wash.
Rawson & Evans Co., 710 W Washington blvd, Chicago, Ill.
Righter & Kolb, 420 Madison av, New York
Riordan G. C. & Co., 313 Walnut, Cincinnati, O.
Rossbach Art Glass Works, 101 W Broad, Columbus, Ohio
Rudy Bros. Co., Highland & Centre av, Pittsburgh, Pa.
Sacramento Art Glass Works, 1606 J, Sacramento, Cal.
Sharpe Bros., 41 Hiel, Newark, N. J.
Snowdon George, Utica, N. Y.
Spence Geo. W. Co., 90 Canal, Boston, Mass.
Spiers, Lederle Glass Co., 257 W 29th, New York
Temple Art Glass Co., 318 W Schiller, Chicago, Ill.
Tiffany Studios, 361 Madison av, N. Y.
Toledo Art Glass & Mirror Works, Toledo, O.
Tyre Bros. Glass Co., 1314 B'way, Fresno, Cal.
United Glass Works, 638 4th, San Francisco, Cal.
Von Gerichten Art Glass Co., 557 S High, Columbus, O.
Wallis A. H., 4958 Page, St. Louis, Mo.
Western Art Glass & Shade Works, 220 Turk, San Francisco, Cal.
Western Sand Blast Mfg. Co., 1458 W Kinzie, Chicago, Ill.
Wood Clarence W., Syracuse, N. Y.
Wood Glass Co., Syracuse, N. Y.

5458— Glass Mosaic Work

Armstrong, Maitland & Co., 58 W 10th, New York
Binswanger & Co., Richmond, Va.
Decorative Glass Studios Inc., 628 W 24th, New York
Flagg L. G. & Co., Sudbury 79, Boston, Mass.
Ford McNutt Glass Co., 207 Washington av, Minneapolis, Minn.
Geissler R., 56 W 8th, New York
Giannini & Hilgart, 222 W Madison, Chicago, Ill.
Grand Rapids Art Glass Co., Grand Rapids, Mich.
Heinigke & Smith, 24 E 13th, New York
Henderson Bros., 114 E 41st, New York
Lamb J. & R., 25 6th av, New York
Michigan Glass Works, 481 Franklin, Detroit, Mich.
Morgan Jno. & Sons, 96 5th av, Brooklyn, N. Y., & 32 E 9th, New York
Puddicombe H. & Co., 181 Henry, New Haven, Conn.
Rae G. & Co., 173 Prince, New York
Righter & Kolb, 420 Madison av, New York
Riordan G. C. & Co., 313 Walnut, Cincinnati, O.
Speirs Richard N., 257 W 29th, New York
Tiffany Studios, 361 Madison av, N. Y.
Von Gerichten Art Glass Co., 557 S High, Columbus, O.
Wallis A. H., 4958 Page, St. Louis, Mo.

5458a—Glass (Non-Shatterable)

Pennsylvania Wire Glass Co., Penna. bldg, Philadelphia, Pa.
See adv index at end of book

5459— Glass Opal Blanks

Canton Glass Co., Marion, Ind.
Rodefer Glass Co., The (for Decorators), Bellaire, Ohio

5460— Glass (Opalescent)

Bournique Glass Co., Kokomo, Ind.
Clarksburg Opalescent Glass Works, Clarksburg, W. Va.
Dannenhoffer Glass Works, 330 Himrod, Brooklyn, N. Y.
Elias Joseph & Co., Inc., Long Island City, N. Y.
Highland Glass Co., Washington, Pa.
Hires Turner Glass Co., 30th & Walnut, Phila., Pa.
Kokomo Opalescent Glass Co. (Sheet), Kokomo, Ind.
Peltier Glass Co., Ottawa, Ill.
Rodefer Glass Co., The, Bellaire, Ohio
Wissmach Paul Glass Co., Meadow, Long Island City, N. Y.

5460a— Glass (Optical)

Bache Semon & Co. (Imp), 636 Greenwich, New York.
Hires Turner Glass Co., 30th & Walnut, Phila., Pa.

5461-2—Glass (Photographic)

Bache Semon & Co. (Imp), 636 Greenwich, New York.
Cambridge Glass Co., Cambridge, O.
Canton Glass Co., Marion, Ind.
Hires Turner Glass Co., 30th & Walnut, Phila., Pa.

Glass (Plate Prism)

See Glass, Prismatic

5463—Glass (Plate & Window, Wholesale & Retail)

ALABAMA.

BIRMINGHAM — Birmingham Paint & Glass Co.
ENSLEY—Byrum Hdw. Co.

ARKANSAS.

LITTLE ROCK—Abeles Chas. T. & Co.

CALIFORNIA.

FRESNO—California Glass Co. Inc.
Tyre Bros. Glass Co., 1314 B'way
LONG BEACH—Fraters Glass & Paint Co., 1190 Ocean av
LOS ANGELES—American Glass Co., 109 N Los Angeles
California Glass Co., Inc., 510 Commercial
Dixon Glass Co., E 31st & Griffin
Fraters Glass & Paint Co., 440 Commercial
Fuller, W. P. & Co.
Glasby & Co., 2120 E 25th
Graves Frank Sash Door & Mill Co., 2000 Pasadena av
Pacific Glass Co. Inc., 721 E 61st
Raphael Glass Co., 329 S Los Angeles
Southern California Glass Co., 709 E 1st
Theriot Fred J., 5124-6 Moneta av
Ticho Eugene (Imp.), Marsh-Strong bldg
Tyre Bros. Glass Co., 3090 San Pedro
OAKLAND—Fuller W. P. & Co.
Cobbleick-Kibbe Glass Co.
Smith P. A. Co., 310 Webster
SACRAMENTO—Fuller W. P. & Co.
SAN DIEGO—Fuller W. P. & Co.
SAN FRANCISCO—Butcher L. H. Co., 274 Brannan
Cobbledick-Kibbe Glass Co., 666 Howard
Crowe Glass Co., 1055 Post
Friedman Bros., 461 Valencia
Fuller W. P. & Co., 301 Mission
Fuller & Goepp, 32H Page
Galet A, 1121 Mission
Habenicht & Howlett, Inc., 525 Clay
Mutual Plate & Window Glass Co., 1921 Mission
Newman Wm. E, 1055 Post
Pioneer Plate & Window Glass Co., 1026 Mission
Rolph-Mills & Co., 149 California
Smith P. A. Co., 638 4th
Tyre Bros. Glass Co., 668 Townsend
SAN JOSE—McKee Geo. B. Co., 2nd & San Fernando

COLORADO.

DENVER—Hallack Lumber & Supply Co. 3901 Gilpin
Hallack & Howard Lumber Co., 7th & Larimer
McPhee & McGinnity Co., 1624 Arapahoe

CONNECTICUT.

HARTFORD—**Andrews & Peck Co.**
Nims, Whitney & Co.
Trant John C., 40 Franklin
NEW BRITAIN—Rackliffe Bros. Co., Inc.
NEW HAVEN—Brodner K., 500 Congress
Morgan & Humiston Co.
TORRINGTON—**Hotchkiss Bros. Co.**

DELAWARE.

WILMINGTON—Bradford James Co.

DISTRICT OF COLUMBIA.

WASHINGTON—Brown R. M., 1252 7th N W
Hires Turner Glass Co., Rosslyn
Muth Geo. F. & Co., 418 13th, N W
Reilly Hugh, 1334 New York av, N W
Smith Thos. W., 1st c Ind. av, N W

GEORGIA.

ATLANTA—Georgia Paint & Glass Co.
Pittsburgh Plate Glass Co. (Mfrs.)
SAVANNAH—Butler J. G. Bldrs. Supply Co., 24 Congress W
Neal-Blun Co., 20 W Bay

ILLINOIS.

CHICAGO—American Window Glass Co., 122 S Michigan av
Bein E. & Co., 1632 Milwaukee av
Chicago Building Glass Co., 3516 N Clark
Cooperative Plate Window Glass Co., 5914 S Racine av
Hooker H. M. Glass & Paint Co., 651 Washington blvd
Imperial Glass Co., 29 E Madison
Johnston Brokerage Co., 111 W Monroe
Metropolitan Glass Co., 1545 N Western av
National Glass Co., 705 Blue Island av
Buren
Pittsburgh Plate Glass Co. (Mfrs), 451 St Clair
Sprague Smith Co., 130 W Austin
Standard Glass Co., 2629 S Park av
Swanson J. Glass Co., 168 W Chicago av
Tyler & Hippach, 366 W Ohio
OTTAWA—Sanders Bros. Mfg. Co.
PEORIA—Wahlfeld Mfg. Co.
QUINCY—Garretts Henry G. & Sons
Heidbreder Bros. & Co.
Oenning Glass & Book Co.
Young Bros. Decorative Co.
ROCK ISLAND—Rock Island Sash & Door Works
Volk John & Co.
SPRINGFIELD—Power Chas. A.
STREATOR—Williams Hardware Co., 113H Vermilion

INDIANA.

EVANSVILLE—Central Glass Co., Inc., R. R. & Fulton
International Steel & Iron Co., 1243 Edgar
Johnson Elmer C., 16 Main
FT. WAYNE—Schlatter C. C. & Co. (Whol. Only)
INDIANAPOLIS—**Aldag Paint & Varnish Co.**
Indianapolis Paint & Color Co., 120 S Illinois
Johnson-Woodbridge Co., 35 N East
Sargent Paint Co., 502 Mass av
Stewart-Carey Glass Co., 231 S New Jersey
KOKOMO—Armstrong Landon Co.
LAFAYETTE—Lafayette Lbr. Co.
Taylor Lbr. Co.
RICHMOND—Jones Hardware Co.
Miller Bros. Hardware Co. (Window Glass)
TERRE HAUTE—Krietenstein Geo. W. & Son

IOWA.

CALMAR—Calmar Mfg. Co.
CEDAR RAPIDS—Williams & Hunting Co.
CLINTON—Curtis Brothers & Co.
DAVENPORT—Gordon, Vantine Co.
McClelland T. W. Co.
Pittsburgh Plate Glass Co.
DES MOINES—Carr & Baal Co. (Wholesale Only)
DUBUQUE Carr-Ryder & Adams Co.
Farley & Loetscher Mfg. Co.
LYONS—Disbrow M. A. & Co.

KANSAS.

EMPORIA—Emporia Lbr. & Coal Co.
HUTCHINSON—Hutchinson Lumber & Planing Mill Co
WICHITA—United Sash & Door Co.
Wichita Sash & Door Co.
Young Bros Decorating Co

KENTUCKY.

LOUISVILLE—Hughes W. J. & Sons Co.
Peaslee-Gaulbert Co.

LOUISIANA.

NEW ORLEANS—
Louisiana Glass & Mirror Works, 309 Lafayette

MAINE.

PORTLAND—King & Dexter Co., 11 Monument sq

MARYLAND.

BALTIMORE—Baker Bros. & Co., 27 S Gay
Chaudron & Co, 1112 Cathedral
Kaufman E. L. & Co., Liberty & Fayette
Seim Henry & Co., Fayette & Howard

MASSACHUSETTS.

BOSTON—Boston Plate & Window Glass Co., 287 A
Millen A. & Co., 15 La Grange
Pittsburgh Plate Glass Co., 99 Portland
Standard Plate Glass Co., 30 Sudbury
WORCESTER—Marble Nye Co.

MICHIGAN.

DETROIT—American Paint & Glass Co. 129 Fort, W
Boydell Bros. White Lead & Color Co., 432 E. Lafayette
Frohlich Glass Co., Larned & Shelby
Schroeder Paint & Glass Co., 12th & Antionette
JACKSON—Jackson Glass Works

MINNESOTA.

DULUTH—Paine & Nixon Co.
St. Germain Bros.
MINNEAPOLIS—Ford McNutt Glass Co., 207 Washington av
Janney, Semple, Hill & Co., 1st av S & 2d
Northwestern Glass Co, 219 N 2nd
Pittsburgh Plate Glass Co. (Mfrs), 500 S 3d
ST. PAUL—Mann F. R. & Son, 437 St. Peter
Noyes Bros. & Cutler, 6th & Sibley
Pittsburgh Plate Glass Co., 459 Jackson
Whitehead Wm. G. Glass Co., 180 W 4th

MISSOURI.

KANSAS CITY—American Sash & Door Co., 16th & Bellefontaine
Faxon & Gallagher Drug Co, 80 Broadway
Johnston Brokerage Co., Commerce bldg
Pittsburgh Plate Glass Co. (Mfrs), 5th & Wyandotte
Sewall Paint & Glass Co, 1009 W 8th
Huttig Mill Work Co.
ST. JOSEPH—Pimbley Paint & Glass Co.
ST. LOUIS—Campbell Glass & Paint Co., 106 Gratiot
Condie-Bray Glass & Paint Co., B'way & Benton
Hadley-Dean Glass Co.
Obear-Nester Glass Co., 2d & Chestnut
Pittsburgh Plate Glass Co., 10th & Spruce
Pockels Drug, Glass & Paint Co., 2344 Gravois
Thatcher-Kerwin Glass Co., 515 Spruce
Weigelt Glass & Mirror Co., 615-7 So 6th
Wendling Jos. Art Glass Co., 207 S Broadway
SPRINGFIELD—Springfield Pl'g Mill & Construction Co.
VALLEY PARK—Missouri Plate Glass Co.

MONTANA.

HELENA—Parchen Drug Co.

NEBRASKA.

LINCOLN—Western Glass & Paint Co.
OMAHA—Pittsburgh Plate Glass Co.
Richardson Drug Co., 902 Jackson

NEW HAMPSHIRE.

DOVER—D'Arcy Co., 44 Maple

NEW JERSEY.

HOBOKEN—Bloomberg Saml.
JERSEY CITY—Max Lewis, 52 Green
NEWARK—Bass Saml. M., 56 Springfield
Hockenjos J. J. Co., 829 Broad
Smith T. J. D., 65 Chambers
Newark Glass Co., 271 Market
PATERSON—Hamilton Lumber Mfg. Co.
Kier A. H.

NEW YORK.

ALBANY—Bradstreet Wm. H., 165 S Pearl
Cameron G. V. & F. W., 284 Central av
BINGHAMTON—Binghamton Glass Co.
Lawrence Paint Co.
Sanders H. H.
BROOKLYN—(See N. Y. City, Borough of Brooklyn
BUFFALO—Buffalo Glass Co., 101 Seneca
Pittsburgh Plate Glass Co., 372 Pearl
Post's John C. Sons, 52 S Division
Wright A. B. & Co., 230 Washington
ELMIRA—Booth Irving D.

NEW YORK CITY.

Borough of Brooklyn

BROOKLYN—Donnelly J. R. Co., 54 Classon av
Friedlander Jos. B. B. Co., 508 W 48th
Lazansky Emil, 324 Myrtle av
Pittsburgh Plate Glass Co., 3d av & Dean

Boroughs of Manhattan and Bronx.

NEW YORK—**Allison & Doughty, 559 W 37th**
Bache, Semon & Co., 636 Greenwich
Bartelstone Bros., 4179 3d av
Crane Glass & Mfg. Co., 392 Hudson
Dunham Thos. C., 68 Murray
Edmonds Thos. C. & Co., 1826 Park av
Griffen Benjamin, 9 Desbrosses
Hutkoff Nathan & Co., 80 Greene
Kahn Jacques, 533 W 37th
Morris Theo. W. & Co., 440 Canal
Pittsburgh Plate Glass Co., 322 Hudson
Schottland Benjamin, 105 Wooster
Weber C. S. & Co., 8 Desbrosses

Borough of Queens.

LONG ISLAND CITY—Elias Jos. & Co., Jackson av
(End of New York City)
ROCHESTER—Barnard, Porter & Remington
Clark Paint, Oil & Glass Co.
Hires Turner Glass Co., Hague, S of Lisle av
Rugg C. H. Co.
SYRACUSE—Brown Clinton C.
Burhans & Black (Inc.)
Wood Clarence W.
Wood Glass Co.
TROY—Curtis Fred W.
Dauchy Chas. H. Co.
Thompson John L. Sons & Co.
UTICA—Kellogg Chas. C. & Sons Co.

OHIO.

CINCINNATI—Cincinnati Plate Glass Co., 319 W 2d
Foy Paint Co., 230 E 5th
Glenny Wm. Glass Co., 10 W Commerce
Kolbe Paint Co., 229 W 5th
Meyer E. H. & Co., 35 E Court
Neuer H. Glass Co., 518 Reading rd
Pittsburgh Plate Glass Co., B'way & Court
CLEVELAND—Cleveland Window Glass & Door Co., 209 Champlain av, N W
Diamond Glass Co., 1447 W 25th
Pittsburgh Plate Glass Co. (Mfrs), 3847 Hamilton av
Saunders J. A. Co., 14545 Lorain
Teachout A. Co., 231 Prospect av N W
COLUMBUS—Columbus Plate & Window Glass Co., 69 E Long
Coulson J. W. & Co.
Jones W. R. & Co. (Mfrs), Outlook bldg
Von Gerichten Art Glass Co., 557 S High
DAYTON—Irvin, Jewell & Vinson Co.
West Side Lumber Co.
HILLSBORO—Enterprise Planing Mill Co. (Wholesale, etc)
TOLEDO—Toledo Plate & Window Glass Co.
YOUNGSTOWN — Youngstown Glass & Paint Co.

(Continued on following page)

Glass (Plate & Window, Wholesale & Retail)—Continued

OREGON.

PORTLAND—Central Door & Lumber Co., E 24th & Holgate
Heacock Sash & Door Co., 212 1st
Illinois-Pacific Glass Co., Broadway bldg
Rasmussen & Co., 2nd & Taylor

PENNSYLVANIA.

ERIE—Erie Window Glass Co.
PHILADELPHIA—Bennett G. S. & Co., 114 N 9th
Bennett H. L., Phila. Bourse
Hires, Turner Glass Co., 30th & Walnut
Johnston Brokerage Co., Franklin Bank bldg
Knorr Edwin B. & Bro., 1748 Orthodox, Fkd
Pittsburgh Plate Glass Co., 11th & Arch
Shoemaker Benj. H., 205 N 4th
United States Glass Co., Vandam bldg
PITTSBURGH—Conroy-Prugh Co. (Jobbers), 1430 Western av
Cunningham D. O. Glass Co., Jane & 22d
Johnston Brokerage Co., 1st Nat. Bk. Bldg.
Kim Geo. A. & Co., 318 1st av
Pittsburgh Plate Glass Co., Frick Bldg
READING—Kase J. M. & Co.
RIDGWAY—Hyde-Murphy Co.

RHODE ISLAND.

PAWTUCKET—Tingley Frank E.
PROVIDENCE—Johnson Oliver & Co., 24 Custom House
Perkins Bros. Co., 970 Westminster
Providence Sash & Blind Co., 309 Dean
Smith-Holden Co., 24 South Water
Starkweather & Williams Co., 47 Exchange pl

SOUTH CAROLINA.

CHARLESTON—Bird W. M. & Co.

TENNESSEE.

MEMPHIS—Binswanger & Co., 645 Union av
Cole Mfg. Co., 789 S 4th
NASHVILLE—Beasley & Sons Co., 147 3rd av N
Riddle Co., 200 3rd Av N
Southern Door & Glass Co., 218 2nd av N
Warren Bros. Co., 200 3rd av N

TEXAS.

DALLAS—Texas Glass & Paint Co.
EL PASO—Tuttle Paint & Glass Co.
GALVESTON—Baulard V. L. & Co.
Smith J. F. & Bro.

UTAH.

OGDEN—Ogden Paint, Oil & Glass Co.
SALT LAKE CITY—Culmer S. Co.

VIRGINIA.

NORFOLK—Building Supplies Corp.
Nash C. A. & Son
PORTSMOUTH—Hawks-Maupin Co. (Retail)
RICHMOND—Rubens Paint & Glass Co.
Binswanger & Co.

WASHINGTON.

EVERETT—Builders Supply Co., 32nd & Hill av
SEATTLE—Belknap C. C. Glass Co.
Fuller W. P. & Co.
Puget Sound Art Glass Co., 514 Westlake av N
SPOKANE—Fuller W. P. & Co., N 229 Post
TACOMA—Fuller W. P. & Co. (Mirrors & Art Glass), 1121 A
Tacoma Glass Co., 707 Commerce
Wheeler-Osgood Co.

WEST VIRGINIA.

WHEELING—Chapman W. H. & Sons

WISCONSIN.

APPLETON—Miller Lumber Co.
LA CROSSE—Segelke & Kohlhaus Mfg. Co.
MILWAUKEE—Patek Bros., 232 E Water
Pittsburgh Plate Glass Co., 486 Market
Yahr & Lange Drug Co., 207 E Water
Zummach Wm. F., 283 W Water
OSHKOSH—Morgan Co.

5464—Glass (Polished Plate, Mfrs.)

Allegheny Plate Glass Co., Glassmere, Pa.
American Plate Glass Co., Kane, Pa.
Bache, Semon & Co. ("Argentine"), 636 Greenwich, New York
Columbia Plate Glass Co., Blairsville, Pa.
Ford Edw. Plate Glass Co., Rossford, O.
Heidenkamp Plate Glass Co., Springdale, Pa.
Hires Turner Glass Co., 30th & Walnut, Phila., Pa.
Martin Auto Specialty Co. ("Martin"), Lancaster, Ohio
Missouri Plate Glass Co., Valley Park, Mo.
Pittsburgh Plate Glass Co., Frick bldg, Pittsburgh, Pa.
Standard Plate Glass Co., 30 Sudbury, Boston, Mass., & Butler, Pa.

5465—*Glass (Polished Wire)

Hires Turner Glass Co., 30th & Walnut, Phila., Pa.
PENNSYLVANIA WIRE GLASS CO., (Transparent), Penna bldg, Philadelphia, Pa.
See adv index at end of book
WESTERN GLASS CO., Streator, Ill.
See adv index at end of book

5466—Glass (Pressed Light, Mfrs.)

Cambridge Glass Co., Cambridge, O.
Canton Glass Co., Marion, Ind.
Gillinder & Sons, Devereaux & State rd, Tacony, Phila., Pa.
Jeannette Glass Co., Jeannette, Pa.
Rodefer Glass Co., The, Bellaire, Ohio
Smith L. E. Glass Co., Mount Pleasant, Pa.
U. S. Glass Co., S 9th & Bingham, Pittsburgh, Pa.

5467—Glass (Prismatic Mfrs.)

See also Glass, Vault and Sidewalk

American Bar Lock Co. ("Bar Lock" & "Nu Plan" with 3 Point Prism Lights), Borden av, Long Island City, N. Y.
Am. 3-Way Prism Co. ("3-Way Luxfer" Prisms), 13th & 55th Court, Cicero, Ill.
Cambridge Glass Co., Cambridge, O.
Canton Glass Co., Marion, Ind.
Clinton Glass Co., 1000 W. 21st, Chicago, Ill.
Helmerich W. H. & Co., 719H Fulton, Chicago, Ill.
Highland Glass Co. (Plate, etc), Washington, Pa.
Hires Turner Glass Co., 30th & Walnut, Phila., Pa.
Pressed Prism Plate Glass Co. ("Imperial" Plate Prism Glass), Morgantown, W. Va.
Roanoke Iron & Bridge Work Inc., Walnut av, Roanoke, Va.
Rodefer Glass Co., The (for Architectural Iron Work), Bellaire, Ohio
Solar Prism Co., Cleveland, O.
WESTERN GLASS CO. (Sheet Prism), Streator, Ill.
See adv index at end of book
Wyle J. J. & Bros., Inc. (For Cut Glass Chandeliers) (Imp.), 20 E 27th, New York

5468— Glass (Resilvering)

Hires Turner Glass Co., 30th & Walnut, Phila., Pa.
Stewart-Carey Glass Co., 231 S New Jersey, Indianapolis, Ind.

5468a— Glass (Rolled)

Pennsylvania Wire Glass Co. (also Rough Rolled), Penna. bldg, Philadelphia, Pa.
See adv index at end of book

5468b— Glass (Roofing)

PENNSYLVANIA WIRE GLASS CO., Penna. bldg., Philadelphia, Pa.
See adv index at end of book

5469—Glass (Rough, Ribbed & Figured Rolled Plate Mfrs.)

Advance Glass Co., Newark, O.
Columbia Glass Co., 5854 Bickel, Los Angeles, Cal.
Gray & Son Glass Co., Falls Creek, Pa.
Highland Glass Co., Washington, Pa.
Hires Turner Glass Co., 30th & Walnut, Phila., Pa.
Key Jno. K., Inc. (Imp.), 74 Montgomery, San Francisco, Cal.
Lupton's David Sons Co., Dept. H, Allegheny av & Tulip, Phila., Pa.
See adv index at end of book
Mississippi Wire Glass Co., 220 5th av, New York
PENNSYLVANIA WIRE GLASS CO., Penna. bldg, Phila., Pa.
See adv index at end of book
Standard Plate Glass Co., 30 Sudbury, Boston, Mass.
WESTERN GLASS CO., Streator, Ill.
See adv index at end of book

5470—*Glass (Rough & Ribbed, for Skylights)

Hires Turner Glass Co., 30th & Walnut, Phila., Pa.
PENNSYLVANIA WIRE GLASS CO., Penna. bldg, Phila., Pa.
See adv index at end of book
WESTERN GLASS CO., Streator, Ill.
See adv index at end of book

5471— Glass (Sand Blast)

Du Pont E. I. de Nemours & Co. Inc., Salvage & Reclamation Div., Wilmington, Del. *See adv index at end of book*
Empire Ornamental Glass Co., 528 Greenwich, New York
Falconer Mirror Co., Falconer, N. Y.
Hires Turner Glass Co., 30th & Walnut, Phila., Pa.
Jones Decorative Glass Co., 231 Hudson av, Brooklyn, N. Y.
Oregon Mirror & Beveling Wks., 105 N 5th, Portland, Ore.
Western Sand Blast Mfg. Co., 1458 W Kinzie, Chicago, Ill.

5472—Glass (Skylight, Mfrs.)

Binswanger & Co., Richmond, Va.
Cambridge Glass Co., Cambridge, O.
Canton Glass Co., Marion, Ind.
Highland Glass Co., Washington, Pa.
Hires Turner Glass Co., 30th & Walnut, Phila., Pa.
LUPTON'S DAVID SONS CO., Allegheny av & Tulip, Phila., Pa.
See adv at Shelving Steel
Mississippi Glass Co., 220 5th av, New York
Mississippi Wire Glass Co., 220 5th av, New York
Missouri Plate Glass Co. (Rough), Valley Park, Mo.
PENNSYLVANIA WIRE GLASS CO., (Plain & Wire), Penna. bldg, Philadelphia, Pa.
See adv index at end of book
Rodefer Glass Co., The (for Architectural Iron Work), Bellaire, Ohio
Sergeant Glass Co., Williamsport, Pa.
WESTERN GLASS CO., (Rough & Ribbed, etc), Streator, Ill.
See adv index at end of book

5472a— *Glass (Smalting)

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

5473— *Glass ("Solite")

Western Glass Co. ("Solite" Wire Glass), Streator, Ill. *See adv index at end of book*

5474— Glass (Stained)

See also Memorial Windows
See also Windows, Glass Stained; also Windows, Cathedral, etc.

CALIFORNIA.

LOS ANGELES—Baillie Ray Co., 633 S Hill
Clifford Chas. E. Co., Inc. ("Kerm-Art"), 3808 S Park
Dixon Glass Co., E 31st & Griffin
Judson W. H. Art Glass Co., 200 E av 66th
Los Angeles Art Glass Co., 1735 S Los Angeles
OAKLAND—Hooper-Dombrick Art Glass Co.
Stagnars Art Glass Works, 10th & Webster
SAN FRANCISCO—Ingerson & Glaser Co., 1739 Sacramento
United Glass Works, 638 4th
Western Art Glass & Shade Works, 220 Turk

CONNECTICUT.

BRIDGEPORT—Bridgeport Art Glass Co. 253 John
NEW HAVEN—Beckman Otto F. Co., 27 Audubon
Puddicombe H. & Co., 181 Henry

ILLINOIS.

CHICAGO—Clinton Glass Co., 1000 W 21st
Daprato Statuary Co., 766 W. Adams
See adv index at end of book
Eureka Art Glass Co., 2915 Lincoln
Flanagan & Biedenweg Co., 312 W Illinois
Giannini & Hilgart, 222 W Madison
Heidelmeier Art Glass Works, 4613 W Clark
Helmerich W. H. & Co. (Ornamental), 719H Fulton
Linden Co., 1216 S Michigan av
Munich Studio, 300 W South Water
National Art Glass Co., 5247 S Green
Rawson & Evans Co., 710 W Wash'n blvd
Temple Art Glass Co., 318 N Schiller
Western Sand Blast Mfg. Co., 1458 W Kenzie

INDIANA.

INDIANAPOLIS—Schurmann E., 3637 N Delaware
Stewart-Carey Glass Co.

IOWA.

DAVENPORT—Decorative Art Glass Co.
DUBUQUE—Key City Decorative Glass Works

LOUISIANA.

NEW ORLEANS—Louisiana Glass & Mirror Works, 309 Lafayette

MARYLAND.

BALTIMORE—Gettler Studios, 855 N Howard
Hofherr Geo. W., 409 E Fayette

MASSACHUSETTS.

BOSTON—Beaumont & Aughtie, 727 Atlantic av
Bell Alfred M. Co., 70 Sudbury
Colonial Stained Glass Wks., 64 Stanhope
Cushing & Anderson, 305 Warren Rox
Flagg L. G. & Co., Sudbury 79
Phipps Horace J. & Co., 65 Bedford
Spence Geo. W. Co., 90 Canal
Union Stained Glass Co., 79 Harbor View
Vaughan-O'Neil & Co., 30 Merr
Wise G. W. Co., 289 Congress
WORCESTER—Worcester Stained Glass Works 88 Winter (David Welch, Prop.)

MICHIGAN.

DETROIT—Detroit Stained Glass Works, 4831 W Fort
GRAND RAPIDS—Grand Rapids Art Glass Co.
MENOMINEE—Menominee Stained Glass Co.

MINNESOTA.

DULUTH—St. Germain Bros.
MINNEAPOLIS—Ford McNutt Glass Co., 207 Washington av

MISSOURI.

KANSAS CITY—Kansas City Stained Glass Works Co., 1514 Wyandotte
ST. JOSEPH—St. Joseph Art Glass Co.
ST. LOUIS—Century Ornamental Glass Co., 5039 Delmar
Davis W. W., 3922 Olive
Frei Emil Art Glass Co., 3934 S Grand av
Jacoby Art Glass Co., 2700 St. Vincent
Thatcher-Kerwin Glass Co., 517 Spruce
Weigelt Glass & Mirror Co., 615 S 6th
Wendling Jos. Art Glass Co., 720H S. 4th

NEW JERSEY.

NEWARK—Metzger Richard, 54 Duryea
O'Halloran's Thos. Sons, 410 Plane
Sharpe Bros., 41 Hill
ORANGE—Stevens Jos.

NEW YORK.

ALBANY—Blockridge Jas., 2 High
BINGHAMTON—Rowland Chas. P.
BROOKLYN—(See New York City, Borough of Brooklyn, N. Y.)
BUFFALO—Dwelle-Kaiser Co., 251 Elm
Frohe Leo. P., 220 B'way

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Jones Decorative Glass Co., 231 Hudson av
Lamb Maskell T., 233 Bergen
Morgan Jno. & Sons, 17 Union av
Muelbe L. F., 1019 Rogers av
Tuckhorn Francis, 653 Monroe

Boroughs of Manhattan and Bronx.

NEW YORK—Armstrong, Maitland & Co., 58 W 10th
Art Glass Studios, 374 E 141st
Castle Montague London Co., 126 6th av
Decorative Glass Studios, Inc., 628 W 24th
Dodge Robert L., 242 W 14th
Geissler Rudolph, 56 W 8th
Heaton, Butler & Bayne (Ltd.), 431 5th av
Henderson Bros., 114 E 41st
Herrlein & Henrich Co., 37 Greene
Lamb J. & R., 25 6th av
Malz Herman, 19 E 14th
Morgan John & Son, 96 5th av
Quinn Jno. F. Co., 256 W 81st
Righter & Kolb, 420 Madison av
Spiers Richard N, 162 W 18th
Standard Art Glass Co., 237 Lafayette
Tiffany Studios, 361 Madison av
Von Gerichten Art Glass Co., 52 Morningside av
(End of New York City)
ROCHESTER—Chapin Louis S.
Gustafson J. H.
Haskins Art Glass Co.
Pike Stained Glass Studios, 191 East av

OHIO.

CINCINNATI—Riordan G. C. & Co., 313 Walnut
Ruckel Art Glass Co., 314 W 4th
CLEVELAND—Ursem L. J. Art Shade Co., Columbia bldg
COLUMBUS—Rossbach Art Glass Works, 101 W Broad
Von Gerichten Art Glass Co., 557 S High
TOLEDO—Toledo Art Glass & Mirror Works, 416 S
YOUNGSTOWN—Ohio Art Glass Co.

OREGON.

PORTLAND—Portland Art Glass Works, 543 Madison
Povey Bros. Glass Co., 5th & Flanders

PENNSYLVANIA.

ERIE—Messenger Benj.
PHILADELPHIA—Century Stained Glass Works (Ltd.), 212 S 11th
Columbia Stained Glass Works, 866 N 10th
Oesterle Stained Glass Works, 327 N 11th
Quaker City Stained Glass Works, 532 N 6th
Smith H. J. & Sons, 236 S 8th
Weeder F. Ellsworth, 34 S 16th
West Phila. Art Glass Works, 4219 Market
PITTSBURGH—Hunt Henry, 114 Wabash
Pittsburgh Art Glass Co., Warden & McCartney
Rudy Bros. Co., Highland & Centre av
Twin City Art Glass Works, 14 E Lacock
READING—Kase J. M. & Co.

VIRGINIA.

RICHMOND—Bunce Art Glass Co.

WASHINGTON.

SEATTLE—Puget Sound Art Glass Co., 514 Westlake av N
Suess Glass Co.

WISCONSIN.

LA CROSSE—Art Glass Co.
MILWAUKEE—Breen Art Glass Co., 29 Martin
Enterprise Art Glass Works, Enterprise bldg
Gavin Mirror & Art Glass Works, 554 E Water
Milwaukee Mirror & Art Glass Works, 203 B'way

5475—Glass Stainers' Supplies

Deissler P. & Bro., 1741 N 6th., Phila., Pa.

5476—Glass (Structural Sanitary)

Marietta Mfg. Co., Indianapolis, Ind.
Opalite Tile Co. ("Cosmos," "Opalite"), Monaca, Pa.
Pennsylvania Wire Glass Co., Penna. bldg, Phila., Pa.
See adv index at end of book

5477—Glass (Vault & Sidewalk)

Cambridge Glass Co. (Pressed), Cambridge, Ohio
Canton Glass Co., Marion, Ind.
Co-Operative Flint Glass Co., Beaver Falls, Pa.
Imperial Glass Co., Charleroi, Pa.
Parker Bros. Glass Mfg. Co., Bridgeton, N. J.
Rodefer Glass Co., The (Tiling for Architectural Iron Work), Bellaire, O.
Smith L. E. Glass Co., Mt. Pleasant, Pa.
Sneath Glass Co., Hartford City, Ind.
U. S. Glass Co., S 9th & Bingham, Pittsburgh, Pa.
Withers Foundry & Machine Works, Atlanta, Ga.

5478—Glass (Window, Mfrs.)

Alleghany Window Glass Co., Port Allegany, Pa.
Alliance Window Glass Co., Salem, W. Va.
American Window Glass Co., Farmers' Bank bldg, Pittsburgh, Pa.
Baker Bros. Glass Co., Okmulgee, Okla.
Banner Window Glass Co., South Charleston, W. Va.
Baur Window Glass Co., Eaton, Ind.
Binswanger & Co., Richmond, Va.
Blackford Window Glass Co., Vincennes, Ind.
Brookville Glass & Tile Co., Brookville, Pa.
Buckeye Window Glass Co., Bonham av, Columbus, O.
Charleston Window Glass Co., Charleston, W. Va.
Clarksburg Glass Co., Clarksburg, W. Va.
Clinton Glass Co. (Bevel Plate), 1000 W 21st, Chicago, Ill.
Columbus Glass Co., Lancaster, O.
Connelly Glass Co., Caney, Kan.
Crescent Window Glass Co., Weston, W. Va.
Cunningham D. O. Glass Co., 22d & Jane, Pitsburgh, Pa.
Doddridge Window Glass Co., West Union, W. Va.
Dunkirk Window Glass Co., South Charleston, W. Va.
Eastern Ohio Glass Co., Barnesville, O.
Eldred Window Glass Co., Punxsutawney, Pa.
Empire Glass Co., Smithport, Pa.
Equitable Window Glass Co., Buckhannan, W. Va.
Fairfield Glass Co., Lancaster, O.
Fairmont Window Glass Co., Fairmont, W. Va.
Federated Glass Co., Point Marion, Pa.
Ford McNutt Glass Co., 207 Washington av, Minneapolis, Minn.
Fredonia Window Glass Co., Fredonia, Kan.
Hires Turner Glass Co., 30th & Walnut, Phila., Pa.
Huttig Sash & Door Co., 1216 S Vandeventer av, St. Louis, Mo.
Ideal Window Glass Co., West Union, W. Va.
Independent Glass Co., Sistersville, W. Va.
International Steel & Iron Co., 1243 Edgar, Evansville, Ind.
Interstate Window Glass Co., Dept. H, Bradford, Pa.
Ithaca Glass Mfg. Co., Spring City, Pa.
Jeannette Window Glass Co., Point Marion, Pa.
Johnston Brokerage Co., First National Bank bldg, Pitsburgh, Pa.
Johnston Glass Co., Hartford City, Ind.
Kane Glass Co., Kane, Pa.
Lafayette Window Glass Co., Clarksburg, W. Va.
Libby Owens Co., Charleston, W. Va.
Licking Window Glass Co., Utica, O.
Lupton's David Sons Co., Allegheny av & Tulip, Phila., Pa.
See adv index at end of book
Masontown Glass Co., Masontown, Pa.
Modern Window Glass Co., Salem, W. Va.
New Bethlehem Window Glass Co., New Bethlehem, Pa.
Norwood Glass Co., Clarksburg, W. Va.
Ohio Central Glass Co., Pleasantville, O.
Patterson Glass Mfg. Co., Cameron, W. Va.
Pennsylvania Window Glass Co., Kane, Pa.
Pennsylvania Wire Glass Co. (Plain & Wire—Cobweb, Polished, Rough, Ribbed)
See adv index at end of book
Pike Stained Glass Studios, 191 East av, Rochester, N. Y.
Rolland Glass Co., Clarksburg, W. Va.
Salem Co-operative Window Glass Co., Salem, W. Va.
Sandusky Glass Co., Sandusky, O.
Smethport Glass Co., Smethport, Pa.
Standard Plate Glass Co., 30H Sudbury, Boston, Mass.
Sunflower Glass Co., Sapulpa, Okla.
Tuna Glass Co., Clarksburg, W. Va.
U. S. Window Glass Co., Morgantown, W. Va.
Utica Glass Co., Utica, O.
West Forks Glass Co., Clarksburg, W. Va.
Western Sheet Glass Co., Torrance, Calif.
Wilcox Glass Co., Kane, Pa.

5479— Glass (Winshield)

Baur Window Glass Co. (& Car), Eaton, Ind.
Bennett H. L. (& Autobody), Philadelphia Bourse, Pa.
Clinton Glass Co. (& Auto), 1000 W 21st, Chicago, Ill.
Hires Turner Glass Co., 30th & Walnut, Phila., Pa.
PENNSYLVANIA WIRE GLASS CO. (Actinic), Penna. bldg, Phila., Pa.
See adv index at end of book

5479a—Glass (Windshield Visor)

PENNSYLVANIA WIRE GLASS CO. (Actinic), Penna. bldg, Phila., Pa.
See adv index at end of book

5480—*Glass (Wire, Approved Fire Stop)

Hires Turner Glass Co., 30th & Walnut, Phila., Pa.
WESTERN GLASS CO., Streator, Ill.
See adv index at end of book

5481—*Glass (Wire for Fireproof Windows)

Hires Turner Glass Co., 30th & Walnut, Phila., Pa.
WESTERN GLASS CO., Streator, Ill.
See adv index at end of book

5482— Glass (Wire Glass)

Bario Metal Corp. ("Nilo" Glass Sealing Wire), 147 Varick, New York
Elias Joseph & Co., Inc., Long Island City, N. Y.
Highland Glass Co., Washington, Pa.
Hires Turner Glass Co., 30th & Walnut, Phila., Pa.
LUPTON'S DAVID SONS CO. (Corrugated), Allegheny av & Tulip, Phila., Pa. (See adv at Shelving Steel)
Mississippi Wire Glass Co. ("Factrolite" & "Penticor" Special Illuminating), 220 5th av, New York

(Continued on following page)

PENNSYLVANIA WIRE GLASS COMPANY

Pennsylvania Building **Philadelphia, Penna.**

CORRUGATED WIRE GLASS

Strongest Glass Made

CWG is many times stronger than ordinary flat glass. It is $\frac{5}{16}$ in. thick, and weighs 4½ lbs. to the sq. ft. CWG gives a soft, diffused light, with practically no glare or shadow. CWG installations require no up-keep; they last indefinitely. CWG is easily kept clean by ordinary rains. It affords an absolutely water-tight skylight. Is used in roofs, skylights, side-walls, canopies, marquises, louvres; in fact, in whole buildings or wherever MAXIMUM DAYLIGHT is required. (Send for catalog No. 8.)

ACTINIC GLASS

(Heat-intercepting)

Actinic glass excludes about 85% of the Ultra-violet (glare) Rays of the Sun, and about 58% of the Sun's Radiant Energy. It makes a building cooler in summer and warmer in winter. Relieves the eyes; prevents deterioration of fabrics, such as silk and rubber. Is the desirable glass for use in windshields. Made in various patterns and thicknesses. Officially approved by U. S. War Department. (We will furnish report upon request.)

OTHER PRODUCTS

Rough, Ribbed, Figured (Cobweb and Florentine), Polished, Aqueduct (drip-proof). (With and without wire.)

Send for new general catalog.

Glass (Wire Glass)—Continued

PENNSYLVANIA WIRE GLASS CO. (Fire-Resisting Approved, Rough, Ribbed, Aqueduct, Polished & Corrugated), Penna. bldg, Phila., Pa.
See adv index at end of book
Safetee Glass Co. ("Safetee" Non-Shatterable), 326 N Broad, Phila., Pa.
Standard Plate Glass Co., 30 Sudbury, Boston, Mass.
WESTERN GLASS CO., Streator, Ill.
See adv index at end of book
Williams Hardware Co., Williams bldg., Streator, Ill.
Wissmach Paul Glass Co., Meadow, L. I. City, N. Y.

5483— *Glass (Wire, Holly)

WESTERN GLASS CO., Streator, Ill.
See adv index at end of book

5484—*Glass (Wire, Skylight)

Hires Turner Glass Co., 30th & Walnut, Philadelphia, Pa.
Mississippi Wire Glass Co., 220 5th av, New York
Pennsylvania Wire Glass Co., Penna. bldg, Philadelphia, Pa.
See adv index at end of book
WESTERN GLASS CO., Streator, Ill
See adv index at end of book

5484a— Glass Wool

Friedrich & Dimmock, Millville, N. J.

5485— Glasses (Cylindrical)

Detroit Lubricator So. ("Detroit," "Genuine Detroit"), 5938 Trumbull, Detroit, Mich.
Diamond Specialty & Supply Co. (Oil Cups), 15 N 6th, Philadelphia, Pa.
Friedrich & Dimmock, Millville, N. J.
Magee Steam Specialty Corp., 50 Vesey, New York
Rogers H. A. Co., 87 Walker, New York

5486— Glasses (Jelly)

Ball Brothers Glass Mfg. Company ("Ball" Jelly Glasses & Tumblers), Muncie, Ind.
Co-operative Glass Co., Richmond & Daly, Los Angeles, Cal.
Federal Glass Co., Columbus, O.
Illinois Pacific Glass Co., 15th & Folsom, San Francisco, Cal.
Imperial Glass Co., Bellaire, O.
Indiana Glass Co., Dunkirk, Ind.
Kerr Glass Mfg. Co., Sand Springs, Okla.
Pacific Coast Glass Works ("P. C."), 7th & Irwin, San Francisco, Cal.

5487—Glasses (Level & Plumb)

Stanley Rule & Level Plant, New Britain, Conn.

5488—Glasses (Opera & Field)

American Thermo-Ware Co., 16 Warren, New York
Bausch & Lomb Optical Co. (Field Only), Rochester, N. Y.
King F. W. Optical Co. ("Le Maire," "Colmont"), Euclid Arcade bldg, Cleveland, Ohio
Scheidig John & Co. (Imp.), 60 Nassau, New York
Spencer Optical Co. (Imp.), 461 8th av, New York
Sussfeld, Lorsch & Co. (Imp.), 153 W 23rd, New York
Wagner Bros. & Co. (Imp.), 100 5th av, New York

5489— Glasses (Port Hole)

Bache, Semon & Co. (Imp.), 636 Greenwich, New York
Cambridge Glass Co., Cambridge, O.
Donnelly J. R. Co., Inc., 54H Classon av, Brooklyn, N. Y.
Hires Turner Glass Co., 30th & Walnut, Philadelphia, Pa.
Standard Plate Glass Co., 30 Sudbury, Boston, Mass.

5490— Glasses (Reading)

Bausch & Lomb Optical Co., Rochester, N. Y.
Johnston Optical Co., 1248 Washington blvd, Detroit, Mich.
Spencer Optical Co., 461 8th av, New York
Weber F. & Co., 1220 Buttonwood, Philadelphia, Pa.
Williams Brown & Earl, 918 Chestnut, Philadelphia, Pa.
Wood C. D. Electric Co. ("Seewell"), 565 Broadway, New York

5491— Glasses (Reducing)

Bausch & Lomb Optical Co., Rochester, N. Y.

5491a— Glassware (Baking)

Corning Glass Works ("Pyrex"), Corning, N. Y.
McKee Glass Co. ("Glasbak"), Jeannette, Pa.

5492—Glassware (Chemical & Druggists')

Allen Henry, 138 William, New York
Berge J. & H., 95 John, New York
Cambridge Glass Co., Cambridge, O.
Canton Glass Co., Marion, Ind.
Co-Operative Flint Glass Co. (Druggists'), Beaver Falls, Pa.
Co-Operative Glass Co., Richmond & Daly, Los Angeles, Cal.
Corning Glass Works ("Pyrex"), Corning, N. Y.
Doerr Glass Co. (Finished), Vineland, N. J.
Eagle Mfg. Co., Wellsburg, W. Va.
Empire Laboratory Supply Co., 218 E 87th, New York
Fearon Brown Co. (Imp.), 96 Wall, New York
Friedrich & Dimmock, Millville, N. J.
Griebel Instrument Co., Dept. H, Carbondale, Pa.
Hagerty Bros. & Co., 10 Platt, New York



Wire Glass

Fully Approved by National Board of Fire Underwriters

RIBBED, ROUGH, FIGURED and POLISHED.

ALL PATTERNS OF

FIGURED GLASS

of exquisite and artistic designs, meeting the most exacting requirements.



"SOLITE"

THE WESTERN GLASS CO.,

Streator, Ill.

Hazel Atlas Glass Co. (Druggists'), Wheeling, W. Va.
Illinois Glass Co. ("Diamond I"), Dept. H, Alton, Ill.
International Glass Co., Millville, N. J.
Kimble Glass Co., 402 W Randolph, Chicago, Ill.
McKee Glass Co. (Soda Fountain, Glassware), Jeannette, Pa.
McLaughlin Glass Co., 1900 E 52nd, Los Angeles, Cal.
Pacific Coast Glass Works ("PC"), 7th & Irwin, San Francisco, Cal.
Reid Bros., Inc. (Surgical), 91 Drumm, San Francisco, Cal.
Ruth Glass Co., Conshohocken, Pa.
Scientific Utilities Co., Inc., 18 E 16th, New York
Swindell Bros., Bayard & Russell, Baltimore, Md.
Vineland Flint Glass Works (Unfinished), Vineland, N. J.
Vineland Scientific Glass Co. (Finished), Vineland, N. J.
Wagner Glass Works (Chemical), Glassware & Apparatus), 697 E 132nd, New York
Whitall Tatum Co., 48 Barclay, New York
Will Corp., Dept. H, Rochester, N. Y.

5493— Glassware (Cut)

American Glass Co., Ada, Okla.
Bergen J. D. Co., Meriden, Conn.
Buffalo Cut Glass Co., Batavia, N. Y.
California Cut Glass Mfg. Co., Pasadena, Cal.
Camden City Cut Glass Co., Camden, N. J.
Central Cut Glass Co., 1114 E 63rd, Chicago, Ill.
Central Glass Works, Wheeling, W. Va.
Crown Cut Glass Co., Hancock, N. Y.
Dorflinger C. & Sons, White Mills, Pa.
Eagle Mfg. Co., Wellsburg, W. Va.
Economy Tumbler Co., Morgantown, W. Va.
Egginton O. F. Co., Corning, N. Y.
Elite Mfg. Co., Aldenville, Pa.
Empire Cut Glass Co., Flemington, N. J.
Enterprise Cut Glass Co., Elmira Heights, N. Y.
Figueria Cut Glass Co., Hammonton, N. J.
Fostoria Glass Co., Moundsville, W. Va.
Frizlen Cut Glass Co., Mt. Holly, N. J.
Frontier Cut Glass Co., 198 Terrace, Buffalo, N. Y.
Fry H. C. Glass Co., Rochester, Pa.
Gibbs W. H. & Co., Stroudsburg, Pa.
Giometti Bros., Corning, N. Y.
Hoare J. & Co., Corning, N. Y.
Honesdale Union Cut Glass Co., Honesdale, Pa.
Hope Glass Works, 161 Dorrance, Providence, R. I.
Hunt Glass Co., Corning, N. Y.
Ideal Cut Glass Co., Canastota, N. Y.
Imperial Glass Co., Bellaire, O.
International Silver Co., Meriden, Conn.
Irving Cut Glass Co., Honesdale, Pa.
Jewel Cut Glass Co., 200 5th av, New York
Johnson-Carlson Cut Glass Co., 30 E Randolph, Chicago, Ill.
Kelly & Steinman, Deposit, N. Y.
Keystone Cut Glass Co., Hawley, Pa.
Kiefer Bros. Cut Glass Co., 4 Ralph av, Brooklyn, N. Y.
Kings County Rich Cut Glass Works, 174 N 4th, Brooklyn, N. Y.
Krantz & Sell Co., Honesdale, Pa.
Kupfer Emil F., 172 Greenpoint, Brooklyn, N. Y.
Laurel Cut Glass Co., Jermyn, Pa.
Levien Louis Cut Glass Co., 164 5th av, New York
Libbey Glass Co., Toledo, O.
Liberty Cut Glass Works, Egg Harbor City, N. J.
Los Angeles Cut Glass Co., 618 San Pedro, Los Angeles, Cal.
Lotus Cut Glass Co., Barnesville, O.
Lum Wm. H. & Son, 508 Broome, New York
McCue John J., 369 Ocean av, Brooklyn, N. Y.
McKanna Cut Glass Co., Honesdale, Pa.
McKee Glass Co., Jeannette, Pa.
Maple City Glass Co., Honesdale, Pa.
Mayer E. W., Port Jervis, N. Y.
May's Landing Cut Glass Co., May's Landing, N. J.
Meriden Cut Glass Co. (Br. of International Silver Co.), Meriden, Conn.
Monroe C. F. Co., Meriden, Conn.
Newark Cut Glass Co., 60 Arlington, Newark, N. J.
Niland J. J. Co., Meriden, Conn.
Oakland Cut Glass Co., 184 Oakland, Brooklyn, N. Y.
O'Connor Arthur E., Goshen, N. Y.
Packwood Northwood Glass Co., Sandwich, Mass.
Pairpoint Corpn., New Bedford, Mass.
Phoenix Glass Co., 2nd Nat'l Bank bldg, Pittsburgh, Pa.
Pioneer Cut Glass Co., Carbondale, Pa.
Quaker City Cut Glass Co., 4945 Wakefield, Philadelphia, Pa.
Rochester Cut Glass Co., Rochester, Pa.
Rockwell Silver Co., Meriden, Conn.
Rose City Cut Glass Co., 100 N 5th, Portland, Ore.
Seneca Glass Co., Morgantown, W. Va.
Shea John J. & Son, Cambridge, Mass.
Shields C. W., Hawley, Pa.
Silver City Cut Glass Co., Meriden, Conn.
Sinclaire H. P. & Co., Corning, N. Y.
Skinner W. & Son, Hammonton, N. J.
Sterling Glass Co., Celestial Mt. av, Cincinnati, O.
Stott Bros., 4450 Main, Manayunk, Philadelphia, Pa.
Stott John W., 3600 Cresson, Manayunk, Philadelphia, Pa.
Susquehanna Cut Glass Co., Columbia, Pa.
Tarentum Glass Co., Tarentum, Pa.
Tuthill Cut Glass Co., Middletown, N. Y.
Twin City Cut Glass Co., St. Paul, Minn.
U. S. Glass Co., S 9th & Bingham, Pittsburgh, Pa.
Walsh, David, Somerville, Mass.
Wangaum Cut Glass Co., Hawley, Pa.
Wayne Cut Glass Co., Towanda, Pa.
Westmoreland Specialty Co., Grapeville, Pa.
Wickham Cut Glass Co., 939 Capouse av, Scranton, Pa.

5494—Glassware (Decorated)

Corning Glass Works ("Steuben"), Corning, N. Y.
Imperial Glass Co., Bellaire, O.
Hocking Glass Co., Lancaster, O.
U. S. Glass Co., S 9th & Bingham, Pittsburgh, Pa.

5495—Glassware (Electrical)

Beaumont Co., Morgantown, W. Va.
Bournique Glass Co., Kokomo, Ind.
Canton Glass Co., Marion, Ind.
Fensterer & Ruhe (Imp.), 37 Murray, New York
Front Co., 1301 Main, Wheeling, W. Va.
Pittsburgh Lamp, Brass & Glass Co. (Bowls, etc.), 130 7th, Pittsburgh, Pa.

5496—Glassware (Opal & Crystal)

Canton Glass Co., Marion, Ind.
Eagle Mfg. Co., Wellsburg, W. Va.
Hazel Atlas Glass Co., Wheeling, W. Va.
Hocking Glass Co., Lancaster, O.
Point Marion Glass Novelty Co. (Opal), Point Marion, Pa.

Glassware (Packers')

See Jars (Fruit)

5497— Glassware (Pressed)

Cambridge Glass Co., Cambridge, O.
Canton Glass Co., Marion, Ind.
Co-Operative Glass Co., Richmond & Daly, Los Angeles, Cal.
Federal Glass Co., Columbus, O.
Hazel Atlas Glass Co. (Tumblers), Wheeling, W. Va.
Illinois Pacific Glass Co., 15th & Folsom, San Francisco, Cal.
Imperial Glass Co., Bellaire, O.
Jenkins D. C. Glass Co. (Also Blown), Kokomo, Ind.
McKee Glass Co., Jeannette, Pa.
Pick Albert & Co., 212 W Randolph, Chicago, Ill.

5498—Glassware (Stationers')

Canton Glass Co., Marion, Ind.
McKee Glass Co., Jeannette, Pa.

5499— Glassware (Table)

See also Tumblers, Glass

Athens Glass Co., Morgantown, W. Va.
Barth L. & Sons, Cooper sq, New York
Beaver Valley Glass Co., Rochester, Pa.
Bryce Bros. Co., Mt. Pleasant, Pa.
Co-Operative Flint Glass Co., Beaver Falls, Pa.
Corning Glass Works (Artistic Coloring), Dept. H, Corning, N. Y.
Crystal Glass Co., Inc., 2320 E 52nd, Los Angeles, Cal.
Duncan & Miller Glass Co., Washington, Pa.
Federal Glass Co., Columbus, O.
Fenton Art Glass Co., Williamstown, W. Va.
Fostoria Glass Co., Moundsville, W. Va.
Gillinder & Sons, State & Devereaux, Philadelphia, Pa.
Helsey A. H. & Co., Newark, O.
Illinois Pacific Glass Co., 15th & Folsom, San Francisco, Cal.
Imperial Glass Co., Bellaire, O.
Indiana Glass Co., Dunkirk, Ind.
Jenkins D. C. Glass Co., Kokomo, Ind.
Lancaster Glass Co. (Imitation Cut), Lancaster, O.
McKee Glass Co., Jeannette, Pa.
New Martinsville Glass Mfg. Co., New Martinsville, W. Va.
Northwood H. Co., Wheeling, W. Va.
Pick Albert & Co. (Blown-Flint, etc.), 212 W Randolph, Chicago, Ill.
Potomac Glass Co., Cumberland, Md.
Seneca Glass Co., Morgantown, W. Va.

Glauber Salts

See Salts, Glauber

5500— Globes (Arc Lamp)

American Glass Co., Ada, Okla.
Bournique Glass Co., Kokomo, Ind.
Cameron Glass Co. ("Cameron"), Cameron, W. Va.
Co-Operative Flint Glass Co., Beaver Falls, Pa.
Corning Glass Works, Corning, N. Y.
Eagle Mfg. Co., Wellsburg, W. Va.
Fensterer & Ruhe (Inner), 37 Murray, New York
Gill Bros. Co., Steubenville, O.
Gillinder & Sons, State & Devereaux, Philadelphia, Pa.
Gleason-Tiebout Glass Co., 93 Commercial, Brooklyn, N. Y.
Holophane Glass Works of Gen. Elec. Co. ("Nubiac" Inner), Newark, O.
Jefferson Glass Co. ("Moonstone," "Nitroglas," "Crystal"), 109 N State, Chicago, Ill.
Libbey Glass Co., Toledo, O.
Macbeth-Evans Glass Co. ("Thermo," "Alba"), C. of C. bldg, Pittsburgh, Pa.
Pairpoint Corporation, New Bedford, Mass.
Phoenix Glass Co., 230 5th av, New York, & Pittsburgh, Pa.
Wellington Glass Co., Cumberland, Md.

Globes (Fish)

See Aquariums, Glass

5501—Globes for Incandescent Light

Bournique Glass Co., Kokomo, Ind.
Co-Operative Flint Glass Co., Beaver Falls, Pa.
Consolidated Lamp & Glass Co., 15 E 18th, Broadway, New York
Corning Glass Works, Corning, N. Y.
Eagle Mfg. Co., Wellsburg, W. Va.
Gillinder & Sons, State & Devereaux, Philadelphia, Pa.
Gleason-Tiebout Glass Co., 93 Commercial, Brooklyn, N. Y.
Handel Co. (Decorated, etc.), Meriden, Conn.
Holophane Glass Works of Gen. Elec. Co., Newark, O.
Imperial Glass Co., Bellaire, O.
Jefferson Glass Co., Follansbee, W. Va.
Macbeth-Evans Glass Co. ("Thermo," "Alba," "Monax"), C. of C. bldg, Pittsburgh, Pa.
McLaughlin Glass Co. (Street Lighting), 1900 E 52nd, Los Angeles, Cal.
Pairpoint Corporation, New Bedford, Mass.
Phoenix Glass Co. (Electric & Gas), 230 5th av, New York, & Pittsburgh, Pa.
Star Glass Co., Star City, W. Va.

5502—Globes (Fresnal, for Steamships)

Sneath Glass Co. (All Colors), Hartford City, Ind.

Globes (Inner Arc)

See Globes, Arc Light

5503— Globes (Lantern)

American Glass Specialty Co. (Ruby), Monaca, Pa.
Cameron Glass & Mfg. Co. ("Cameron"), Cameron, W. Va.
Corning Glass Works ("Nonex"), Corning, N. Y.
Crescent Glass Co. ("Ruby"), Wellsburg, W. Va.
Eagle Mfg. Co., Wellsburg, W. Va.
Gill Bros. Co., Steubenville, O.
Gillinder & Sons, State & Devereaux, Philadelphia, Pa.
Handlan-Buck Mfg. Co. ("Handlan" R. R.), 210 3rd, St. Louis, Mo.
Jenkins D. C. Glass Co., Kokomo, Ind.
Libbey Glass Co., Toledo, O.
McKee Glass Co., Jeannette, Pa.
Macbeth-Evans Glass Co., C. of C. bldg, Pittsburgh, Pa.
Rodefer Glass Co., The (for Lantern Mfrs.; Ruby, Green, Blue), Bellaire, O.
Sneath Glass Co. (All Colors), Hartford City, Ind.
Star Glass Co., Star City, W. Va.
Storrs Mica Co. (Mica), Owego, N. Y.
Williamsburg Flint Glass Co., 260 Boerum, Brooklyn, N. Y.

5504—Globes & Shades (Prismatic)

Gillinder & Sons, Devereaux & State rd, Tacony, Phila., Pa.
Macbeth-Evans Glass Co., C. of C. bldg, Pittsburgh, Pa.
Phoenix Glass Co., 2d National Bank bldg, Pittsburgh, Pa.
Welsbach Gas Lamp Co., 1008 Filbert, Phila., Pa.
Wormser Glass Co., 2d & Sylvan avs, Pittsburgh, Pa.

5504a— *Gloss White

Parker C. H. Co., Valparaiso, Ind.

5505— Gloves (Automobile)

Beaver Glove Mfg. Co. ("Beaver"), 31 N 5th, Portland, Ore.
Bradford R. E., Gloversville, N. Y.
Carson Glove Co. ("Carson Brand"), 544 Market, San Francisco, Cal.
Detroit Leather Specialty Co., 275 Beecher av, Detroit, Mich.
Ellsworth & Thayer Mfg. Co., 338 B'way, Milwaukee, Wis.
Fried-Ostermann-Meyer Co., 623 Reed, Milwaukee, Wis.
Gloversville Auto Glove Co., Gloversville, N. Y.
Hansen O. C. Mfg. Co., 517 Wright, Milwaukee, Wis.
Hodgkins M. W. Co., 1125 7th, Oakland, Cal.
Morawetz Co., 217 E Water, Milwaukee, Wis.
Morrison-Ricker Mfg. Co., Grinnell, Ia.
Puget Sound Glove Mfg. Co. ("Fonda"), 308 Main, Seattle, Wash.
United States Glove Co., Marion, Ind.
Walrath Glove Co., Gloversville, N. Y.

5506-7—Gloves (Baseball, Boxing & Fencing)

Draper, Maynard Co., Plymouth, N. H.
Goldsmith's P. Sons, John Findlay & Charlotte, Cincinnati, O.
Jarvis W. B. Co. ("Ty Cobb" Catchers' Mits & Gloves & Boxing Gloves, etc), Grand Rapids, Mich.
Levinson Sol, 1028 Market, San Francisco, Cal.
McLoughlin, Bundy & Sinsbaugh, 545 S Spring, Los Angeles, Cal.
Peach J. A., Gloversville, N. Y.
Rawlings Mfg. Co. ("Reynolds" Catchers' Mits), 23d & Lucas av, St. Louis, Mo.
Reach A. J. Tulip & Palmer, Phila., Pa.
Spalding A. G. & Bros., 105 Nassau, New York
Stall & Dean Mfg. Co., 2839 Logan blvd, Chicago, Ill.
Tryon Edw. K. Co. ("Tryon"), 817 Arch, Phila., Pa.
Victor Sporting Goods Co., 88 Birnie, Springfield, Mass.
Wilson Thos. E. & Co. (Boxing), 727 N Sangamon, Chicago, Ill.
Wright & Ditson, 344 Washington, Boston, Mass.

5508— Gloves (Canvas)

Beebe Glove Co., Richmond, Ind.
Boss Mfg. Co., 70 Washington, Brooklyn, N. Y.
Boss Mfg. Co., Kewanee, Ill.
Cambridge Roofing Co., Cambridge, O.
CANVAS GLOVE MFG. WORKS, 177-79 Stagg, Brooklyn, N. Y.
Cupples Samuel Woodenware Co., 7th & Spruce, St. Louis, Mo.
Defiance Glove & Mitten Works Co., Defiance, O.
Detroit Glove & Mfg. Co., 661 Plum, Detroit, Mich.
Hamilton G. H. Mfg. Co. (Canton Flannel & Jersey, Also Mittens), Beaver, Pa.
Houghten Chas. T. & Co., Metropolis, Ill.
Indianapolis Glove Co., Liberty & Michigan, Indianapolis, Ind.
Inskeep Mfg. Co., Washington, O.
Keller Glove Mfg. Co., Inc. ("Penn Keller"), Plumsteadville, Pa.
Knoxville Glove Mfg. Co., 819 Mac Ghee av, Knoxville, Tenn.
Labor Glove Mfg. Co., 317 N High, Baltimore, Md.
McBride Chas. L. Mfg. Co., Toledo, O.
Moosic Mfg. Co., Moosic, Pa.
New Bethlehem Fabric Mfg. Co., New Bethlehem, Pa.
North Star Mfg. Co., Tacoma, Wash.
Prescott F. H. Co., Auburn, N. H.
Progress Mfg. Co., Racine, Wis.
Seal W. E. & Co., Millersburg, Pa.
Shearston Lowell Mfg Co., Lockport, N. Y.
Standard Mfg. Co., Lockport, N. Y.
United States Glove Co., Marion, Ind.
Witenberg Mfg. Co., Tacoma, Wash.

5508a—Gloves (Cotton Flannel)

Boss Mfg. Co., Kewanee, Ill.
Hamilton G. H. Mfg. Co. (& Jersey Cloth), Beaver, Pa.
Keller Glove Mfg. Co., Inc. ("Penn Keller"), Plumsteadville, Pa.
Service Glove Co. (& Jersey Cloth), 62 Shipman, Newark, N. J.
United States Glove Co., Marion, Ind.

5509— Gloves (Husking)

Boss Mfg. Co. (Riveted, Canton Flannels, etc), Kewanee, Ill.

Gloves (Insulating)

See Gloves, Rubber

5510— Gloves (Leather)

Adler Jacob & Co., 315 4th av, New York
Aeppli & Smith (Working), 4014 Parker av, Chicago, Ill.
Am. Glove Co., 2025 Churchill, Chicago, Ill.
Beaver Glove Mfg. Co. ("Beaver"), 31 N 5th, Portland, Ore.
Bernauer Alex, San Jose, Cal.
Block H. & L., 149 2d San Francisco, Cal.
Busby Glove Co., 1905 Adeline, Oakland, Cal.
Canvas Glove Mfg. Works (also Leather Palm Working Glove), 177-179 Stagg, Brooklyn, N. Y.
Carson Glove Co. ("Carson Brand"), 544 Market, San Francisco, Cal.
Chicago Tanning Co., 1500 Dayton, Chicago, Ill.
Conay Glove Co., 115 E 23d, New York
Detroit Leather Specialty Co., 375 Beecher, Detroit, Mich.
Economy Glove Co., Ft. Wayne, Ind.
Eisendroth Glove Co. (Heavy Duty), Armitage & Elston, Chicago, Ill.
Hansen O. C. Mfg. Co., 517 Wright, Milwaukee, Wis.
Hodgkins M. W. Co., 1125 7th, Oakland, Cal.
Morrison-Ricker Mfg. Co. ("Grinnell Wrist Fit" & Grinnell Ventilator) Grinnell, Ia.
National Glove Works, 1600 Powell, San Francisco, Cal.
North Star Mfg. Co., 2317 Pacific, Tacoma, Wash.
Osborn C. D. Co., 2301 Wabansia av, Chicago, Ill.
Puget Sound Glove Mfg. Co. ("Fonda"), 308 Main, Seattle, Wash.
Russell Frank Glove Co., Berlin, Wis.
Salisbury W. H. & Co., 308 N Madison,
Spencer Glove Co. (& Mitts), Waverly, N. Y.
Standard Glove Works, 334 6th, San Francisco, Cal.
Trager Chas., 2203 1st av, Seattle, Wash.
Wheeler F. & H. Mfg. Co., 215 W Huron, Chicago, Ill.
Widman Glove Co., 682 Mission, San Francisco, Cal.
Witenberg Mfg. Co., 1726 Pacific, Tacoma, Wash.

5511— Gloves (Rubber)

Aetna Rubber Co. (Acid Electricians & Tannersmith), 815 E 79th, Cleveland, O.
American La France Fire Engine Co. (Jobbers), Elmira, N. Y.
Barker Bros. Inc. (Acid Proof), 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Canton Rubber Co., 211 7th S E, Canton, O.
Chicago Glove & Mitten Co., 458 N Halsted, Chicago, Ill.
Combination Rubber Mfg. Co. (Surgeon's Tissue), Bloomfield, N. J.
Consumers Rubber Co. ("Standard"), 1302 Ontario, Cleveland, O.
Davol Rubber Co., 69 Point, Providence, R. I.
Dunton M. W. Co. ("Safety First"), 150 Niagara, Prov., R. I.
Faultless Rubber Co. ("Hi-Test," "Hi-Voltage"), Ashland, O.
Goodrich B. F. Co., Akron, O.
Goodyear Rubber Co. & Rubber Clothing Co., 787 B'way, New York
Hodgman Rubber Co., 25 W 43rd, New York
L. & M. Rubber Co., Carrollton, O.
Lee Tire & Rubber Co. (Also finger cots), Conshohocken, Pa.
Massillon Rubber Co, Massillon, Ohio
Mathias-Hart Co. (Lineman's), 516 Atlantic av, Boston, Mass.
Miller Rubber Co. (Also Finger Cots), Akron, O.
National India Rubber Co., Bristol, R. I.
Realty Rubber Co. (Pure Gum, Surgeons"), Massillon, O.
Rubber Products Co., Barberton, O.
Seamless Rubber Co., Hallock, New Haven, Conn.
Snyder M. L. & Son, 223 Church, Phila., Pa.
Star Rubber Co. ("Nepto," "Luna," "Veno"), Akron, O.
Tyer Rubber Co., Andover, Mass.
Wilson Rubber Co., Canton, O.

5511a— Gloves (Sand Blasting)

American La France Fire Engine Co. (Jobbers), Elmira, N. Y.
Elec. Arc Cutting & Welding Co. (Welding & Cutting), 152-156 Jelliff av, Newark, N. J. *See adv index at end of book*
Hickory Steel-Grip Glove Co. ("Steel-Grip" & "Industrial"), 1213 Fullerton av, Chicago, Ill.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

5512—Gloves & Mittens (Knitted)

Armstrong William (Wool, Worsted & Merino Gloves), Needham Heights, Mass.
Ashoyton Knitting Co. (Gloves), Shelburne Falls, Mass.
Augstein S. & Co. (Worsted), 352 4th av, New York
Bailey Knitting Mills, Fort Plain, N. Y.
Bailey Oscar L. & Co. (Silk, Wool & Worsted Mittens & Gloves for Men, Women & Children), Everett, Mass.
Breaithwaite Thos. (Gloves), Vineland, N. J
Burns Knitting Co. (Worsted, for Men, Women & Children), Nashua, N. H.
Carter Wm. Co., Needham Heights, Mass.
Chapman Knitting Mills, 788 McLean, New York
Chicago Glove & Mitten Co., 458 N Halstead, Chicago, Ill.
Clare Knitting Mills (Cotton, Woolen & Worsted Mittens), Saginaw, Mich.
Clark Textile Co. (Ladies' Woven Top Silk Gloves), Saratoga Springs, N. Y.
Columbia Knitting & Mfg. Co., 236 B'way, Milwaukee, Wis.
Crown Silk Mfg. Co. (Silk Gloves), Bangor, Pa.
Dolman Chas. (Gloves for Men & Women), 48 E Court, Cincinnati, O.
Eagle Knitting Mills), 184 E Water, Milwaukee, Wis.
Fead John L. & Sons (Home Made Wool Striped Mittens), Port Huron, Mich.
Fownes Bros. & Co. (Silk Gloves), 354 4th av, New York
Frankenmuth Woolen Mill Co., Frankenmuth, Mich.
Friedlander-Brady Knitting Mills (Cotton, Woolen, Worsted & Silk, Men's, Women's & Children's), 501 S Green, Chicago, Ill.
Friedman Blau Farber Co., Perkins & E 37th, Cleveland, O.
Fulton County Silk Mills (Silk Gloves), Gloversville, N. Y.
Gloversville Knitting Co. (Worsted, Woolen & Cotton), Gloversville, N. Y.
Gloversville Silk Mills (Silk Gloves), Gloversville, N. Y.
Great Western Knitting Co. (Wool, Worsted & Silk Gloves), 110 Buffalo, Milwaukee, Wis.
Hand Knit Hosiery Co. ("Lumbermen's Mittens), Sheboygan, Wis.
Highland Knitting Mill, Highland, N. Y.
Harris Knitting Mills (Wool), 5130 Wakefield, Philadelphia, Pa.
Hitchcock & Curtiss Knitting Co. (Wool, Worsted & Silk Gloves), 699 Broad, Hartford, Conn.
Hoag C. F. Co. (Wool & Worsted), Poughkeepsie, N. Y.
Holmes G. H. (Gloves), Gloversville, N. Y.
Houlton Woolen Mill, Houlton, Me.
Indianapolis Glove Co. (Cloth, Leather Finished & Jersey Gloves), Liberty & Michigan, Indianapolis, Ind.
Inland Knitting Works, Green Bay, Wis.
Kayser Julius & Co. (Silk, Lisle & Merino), 353 4th av, New York
Keller Glove Mfg. Co., Inc. ("Penn Keller"), Plumsteadville, Pa.
Key E. H. (Woolen & Worsted), Fort Hunter, N. Y.
Kinderhook Knitting Co. (Wool & Worsted Gloves), Kinderhook, N. Y.
La Crosse Knitting Co. (Wool), La Crosse, Wis.
Lamb Knit Goods Co., Colon, Mich.
Lee William (Ladies' & Children's Silk & Woolen & Men's Woolen Goods), Needham Heights, Mass.
Lowenthal Max & Sons, Rochester, N. Y.
Mandel A. J. (Cotton, Wool, Worsted & Silk), 1220 W 6th, Cleveland, O.
Meinig E. Richard Co. (Silk Gloves), Reading, Pa.
Merrill Silk Co. (Silk Gloves), Hornell, N. Y.
Mohawk Silk Fabric Co. (Ladies' Silk Gloves), Fultonville, N. Y.
Moseley & Co., Needham Heights, Mass.
National Knitting Co. (Woolen & Worsted Gloves for Men, Women & Boys), 905 Clinton, Milwaukee, Wis.
Niagara Silk Mills (Silk Gloves), North Tonawanda, N. Y.
Pacific Knitting Mills, Seattle, Wash.
Perry Glove & Mitten Co. (Cotton, Woolen, Worsted & Silk), Perry, Mich.
Portage Hosiery Co. (Wool & Worsted Mittens), Portage, Wis.
Prue Frank J. (Worsted Mittens), Woonsocket, R. I.
Rich John & Bros., Woolrich, Pa.
Ripon Knitting Works, Ripon, Wis.
Roth Joseph & Co. (Merino, Worsted, Silk & Cotton), Toledo, O.
Saxony Knitting Mills, Needham Heights, Mass.
Saxony Knitting Co., Seattle, Wash.
Spencer Glove Co. ("F. P. Sargent"), Waverly, N. Y.
Star Knitting Co. (Silk, Saxony & Wool Mittens & Golf Gloves), La Crosse, Wis.
Sterling Silk Glove Co. (Silk Glove Only), Bangor, Pa.
Stott & Son, Winona, Minn.
Thurman Mfg. Co., 427 Ashmead, Phila., Pa.
United Knit Goods Co. (For Men, Boys, Ladies, Children & Infants), 2101 Superior, Cleveland, Ohio
Van Brocklin & Son (Jersey Mitts & Gloves), Amsterdam, N. Y.
Vassar Knitting Works, Bay City, Mich.
Walton Thos. S. (Infant's Silk & Woolen Mittens), Needham Heights, Mass.
Western Knitting Mills (Woolen, Worsted & Merino), Rochester, Mich.
Whitman Bros. (Men's & Boys' Gloves), Little Falls, N. Y.
Wilson Samuel, Needham Heights, Mass.

5512a— Glucose

Am. Co. of International Commerce (Dirs.), 79 Wall, New York
Am. Maize Products Co., 135 William, New York
Corn Products Refining Co., 17 Battery pl, New York
Rutgers C. F. & Co. (Dirs.), 25 Spruce, New York
Stein Hall Mfg. Co., 111 W. Washington, Chicago, Ill.
Union Starch & Refining Co., Edinburg, Ind.

5513— Glue (Emery Wheel)

Barker Bros. Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
Tanite Co., Stroudsburg, Pa.

5514— Glue (Fish)

American Glue Co., 121 Beverly, Boston, Mass.
Commonwealth Glue Co. (Liquid), 708 S Delaware, Philadelphia, Pa.
Dodd A. W. & Co., Gloucester, Mass.
Elwell B. F. Glue Co. (Liquid), Rockport, Mass.
HEWITT C. B. & BROS. (Jobbers), 20 Ferry, New York
See adv index at end of book
Kuh E. S. & Valk Co. (Imp), Produce Exchange, New York
National Gum & Mica Co., 12 West End av, New York
Russia Cement Co., 81 Readl, New York

5515-6— Glue (Gelatine)

American Glue Co., 121 Beverly, Boston, Mass.
Cooper's Peter Glue Factory, 11th av & 28th, New York
HEWITT C. B. & BROS. (All Grades for All Purposes), 20 Ferry, New York.
See adv index at end of book
Isaacs S. & Co. (Imp), 100 William, New York
Kuh E. S. & Valk Co. (Imp), Produce Exchange, New York
Michigan Carbon Works, 7 Forman, Detroit, Mich.
National Chemical Co., 113H Fenton, Syracuse, N. Y.
National Gum & Mica Co., 12 West End av, New York
Sullivan James & Son, Marblehead, Mass.

5517— Glue Mfrs.

CALIFORNIA.

SAN FRANCISCO—Armour Glue & Ammonia Works, 22 Battery
California Glue Works, Fairfax av & Rankin
Hercules Glue Co. (Casein), 333 Folsom
Imperial Glue Co. ("Imperial" Liquid), 1 Drumm
Johnson Waterproof Glue Co., 60 California

CONNECTICUT.

DANBURY—Connecticut Glue Co.
NEW HAVEN—Connecticut Fat Rendering & Fertilizing Corp., Front & Arlington

DISTRICT OF COLUMBIA.

WASHINGTON—Royal Glue Co. (Liquid), 210 N S W

GEORGIA.

BUFORD—Allen Bona

ILLINOIS.

CHICAGO—American Glue Co., 123 W Kinzie
American Printers' Roller Co., 314 W Grand av
Anglo-American Provision Co., U. S. Yards
Armour Glue Works, 1355 W 31st
Bailey C. T. & Co., 3630 Iron
Chicago Glue Co., 2012 W Kinzie
Clarkson Glue Co., 3259 Shields av
Darling & Co., 4201 S Ashland av
Delany & Co., 505 S Clinton
Diamond Glue Co., Robinson & Ill. Mich. Canal
Franche C. E. & Co. (Milliner), 440 Orleans, Dept. H
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Herrmann Jos. F. & Co., Fisher bldg
Layton Elastic Glue Co. (Liquid), 703 Fulton
National Flexible Glue Co., 169 N Jefferson
Northwestern Glue Co., 44th pl & Packers av
Swift & Co., Union Stock Yards
United Chemical & Organic Products Co., 4200 S Marshfield, Chicago, Ill.
U. S. Glue Co., 1455 Fleetwood
Williamson Glue & Gum Wks. (Dry Liquid), 402 N Paulina, Chicago, Ill.
Wilson & Co., Union Stock Yards
Wisdom & Co., 217 W Lake

INDIANA.

HAMMOND—Hammond Glue Co.
MADISON—Midland Glue Co.
NEW ALBANY—Conrad Krammerer Glue Co.
SOUTH BEND—Perkins Glue Co. (Vegetable)

MARYLAND.

BALTIMORE—McCormick & Co. (Liquid), McCormick blk.

MASSACHUSETTS.

BOSTON—American Glue Co. ("Crown English"), 121 Beverly
Armour Glue Works, 49 Commercial Wharf
Baeder, Adamson & Co., 68 High
Bird J. A. & W. & Co. (Casein), 348 Concord
Carter's Ink Co., E Cambridge
Commonwealth Glue Co., 40 N Market
Consolidated Rendering Co., 40 N Market
FERDINAND L. W. & CO. ("Jeffrey's" Marine), 154 Kneeland
International Glue Co. ("Eagle," "Martins" & "Mystic" Liquid), 325 Marginal
Nash E. W. Co., 559 Atlantic av
Rogers E. A. & Co. (Imp), 161 Devonshire
Whitten J. O. Co., 68 Western av
GLOUCESTER—Dodd A. W. & Co.
Gloucester Isinglass & Glue Co.
Russia Cement Co. ("Le Page's" Liquid, etc)
HOLYOKE—Browne M. C. (Flexible)
LOWELL—Holt Jno. & Co.
MARBLEHEAD—Sullivan James & Son
NORWOOD—Holliston Mills ("Gluno," Bookbinders Only), Dept. H
PEABODY—American Glue Co.
ROCKPORT—Elwell B. F. Glue Co. ("Elwell")
WORCESTER—Darling L. B. Fertilizer Co., Greenwood

MICHIGAN.

DETROIT—Michigan Carbon Works, 7 Forman

MISSOURI.

ST. JOSEPH—Swift & Co., Stock Yards
ST. LOUIS—American Glue Mfg. Co., 410 Elm
Cibara Mfg. Co. (Tubing, Shoes, Paper Box, Shipping Case, Labeling), 2236 Eugenia
Clarkson Glue Co., 3208 Bailey
St. Louis Glue Mfg. Co. (Animal & Vegetable), 2125 Division
Tamm Bros. Glue Co., 618 S Vandeventer av

NEW HAMPSHIRE.

KEENE—Keene Glue Co.

NEW JERSEY.

NEWARK—Lister's Agricultural Chemical Works, Lister av

NEW YORK.

BROOKLYN—(See New York City, Borough of Brooklyn)
GOWANDA—Cooper's Peter Glue Factory
Eastern Tanner's Glue Co.
JOHNSTOWN—Knox C. B. Co.

NEW YORK CITY.

Borough of Brooklyn

BROOKLYN—Ditman E. A. Specialty Co. ("Ever-Ready" Cement in $10 Tubes for Lamp Chimneys, Globes, etc), 396 Cornelia
Higgins Chas. M. & Co. (Vegetable), 271 9th
McMeekan D. Mfg. Co. (Also Flexible Glue), 1070 Pacific

Boroughs of Manhattan and Bronx.

NEW YORK—Am. Agricultural Chem. Co., 2 Rector
Arabol Mfg. Co. (Cold, Liquid & Dry), 110 E 42nd
Baeder Adamson & Co., 100 Gold
Bauer Philip Co., 53 Park pl
Burnot Mfg. Co. ("Burbyotte" Stainless for Millinery), 64 Gold
Burrage Robt. R. (Flexible, for Bookbinders & Leathergoods), 15 Vanderwater
Coignet Chemical Products Co., 17 State
Cooper & Cooper, Inc. (Phosphorus), 23H Cliff
Cooper's Peter Glue Factory, 11th av & 28th
Dunn T. W. & Co., 546 Greenwich
Hewitt C. B. & Bros., Inc., 20 Ferry
See adv index at end of book

C. B. HEWITT & BROS., Inc.
20 FERRY ST. NEW YORK
Manufacturers, Importers and Dealers

Glue Foreign and Domestic Hide and Bone Glues, Sheet, Broken and Ground for Cabinet and Piano Work (joint and veneer), Paper Making, Straw Hat and Fabric and Kalsomine Sizing, Bindery, Furniture and Box Makers' Glues.

Gelatine Capsule Manufacturers, Pharmaceutical Preparation Makers, Confectioners, Jelly and Preserve Manufacturers, etc.

Paper Pattern Papers, Detail and Tracing Papers, Flexible Papers, Backing Paper, Card Middles, Jute and Rope Manilas, Building Papers, Wrapping, Book, Bonds, Writing, Ledger. Special Papers made to order.

Boards Binders Boards, Trunk and Case Boards, Friction Boards, Leather Boards, Fibre Boards, News and Press Boards, Box Boards, Straw Boards (Air and Steam Dried). A. B. C. Pattern Boards a specialty.

Isaacs S. & Co., 100 William
Johns-Manville H. W. Co. (Fireproof), Madison av & 41st
Kuh, E. S. & Valk Co. (Bone, Hide, Fleshings, etc), Produce Exch.
Listers Agricultural Chemical Wks., 2 Rector
Madison Glue Mfg. Co., Inc., 97 Beekman
Milligan & Higgins Glue Co., 222 Front
National Glue & Gelatine Works, 12 West End av
National Gum & Mica Co. (Cold, Liquid & Dry), 12 West End av
Pfaltz & Bauer (Imp), 300 Pearl
Progressive Glue Co., 185 Wooster
Stevenot Chas. J. & Co. (Imp.), 388 Pearl
Waddell R. J. & Co. (Imp Sheet), 52 Beekman
Weil Samuel & Son (Animal & Vegetable), 194 Franklin

Borough of Queens.

LONG ISLAND CITY—Van Iderstine Co.
End of New York City

NORTH CAROLINA.

CHARLOTTE—Cook B. C. Chemical Mfg. Co. (Liquid)

OHIO.

CINCINNATI—Marienthal Co., 1709 John Stephens & Bro., 306 Emmings
CLEVELAND—Glucol Mfg. Co., 3518 B'way

PENNSYLVANIA.

LANCASTER—Conestoga Glue Works
Lamparter Geo. Sons
LANSDALE—Perkins Glue Co.
PHILADELPHIA—American Glue Co., 418 Arch
Baeder, Adamson & Co., Richmond & Allegheny av
Baugh & Sons Co., 20 S Delaware av
Commonwealth Glue Co., 708 S Dearborn
Continental Mfg. Co. ("Continental" Liquid), 4611 Girard
Delany & Co., Cotton & Delaware
Diamond Glue Co., 1224 N Front
National Gum & Mica Co., Lawrence & Vine
Tunnell F. W. & Co., 15 N 5th
Wilson-Martin Co., 30th & Market
PITTSBURGH—Wilhelm Henry (Glue & Upholstering Supplies), 136 10th
PRIMOS—Magnet Cement & Dressing Co. ("Peerless" Liquid)
WILLIAMSPORT—Keystone Glue Co.

WASHINGTON.

SEATTLE—Kaseno Products Co. ("Kaseno"), 3400 13th av S W

WISCONSIN.

MILWAUKEE—Diamond Ink Co., 3033 Galena
United States Glue Co., Carrollsville

5517a— Glue (Marine)

Ferdinand L. W. & Co., 154 Kneeland, Boston, Mass.

MARINE GLUE

L. W. Ferdinand & Co., 154 Kneeland St., Boston, Mass., U. S. A.—Jeffery's Patent Marine Glue. Use No. 1 Extra Quality for paying seams of yachts' decks. Use No. 2 First Quality Ship Glue for paying deck seams of Merchant Vessels. Use No. 3 Special Navy for deck seams of battleships, cruisers and gunboats. Use No. 7 Soft Quality for waterproofing canvas for covering decks, tops of cabins of yachts, also for attaching canvas to hulls of steel or wood boats and canoes. Use Waterproof Liquid Glue for attaching Cork, Canvas, Felt, Rubber, Leather and Linoleum to Iron, Steel and Wood. Use Linoleum Glue for attaching any kind of floor covering to any kind of floor. Send for booklets, "Marine Glue, What to Use or How to Use it"; also "How to Make Your Boat Leakproof."

Kaseno Products Co. ("Kaseno" Bitu-Mo-Lin"), 3400 13th av S W, Seattle, Wash.
Preservative Paint Co., 5410 Duwanish av, Seattle, Wash.

5517b— Glue Stock

Bauer Philip Co., 53 Park pl, New York
Kuh E. S. & Valk Co. (Imp), Produce Exchange, New York
National Chemical Co., 115H Fenton, Syracuse, N. Y.

5517c— Glue Substitutes

Arabol Mfg. Co., 110 E 42nd, New York
Nat'l Gum & Mica Co., 12 West End av, New York

5518— Glue (Tanners')

Eastern Tanners' Glue Co., Gowanda, N. Y.

5518a— Glue (Vegetable)

Bloede Victor G. Co., Caton av, Balto., Md.
Cibara Mfg. Co., 2236 Eugenia, St. Louis, Mo.
National Gum & Mica Co., 12 West End av, New York
Perkins Glue Co., Lansdale, Pa.
St. Louis Glue Mfg. Co., 2125 Division, St. Louis, Mo.
Weil Samuel & Son, 194 Franklin, New York
Williamson Glue & Gum Works, 402 N Paulina, Chicago, Ill.

5519-20—Glue (Waterproof)

Binney & Smith Co., 41 E 42nd, New York
FERDINAND L. W. & CO. ("Jeffrey's" Waterproof Liquid), 154 Kneeland, Boston, Mass.

5521— Glycerine

Adams, Fred C. Co., 130 N Wells, Chicago, Ill.
Alba Mfg. Co., Aurora, Ill.
American Trading Co., 25 Broad, New York
Armour & Co. (Refined), Dept. H, Union Stock Yards, Chicago, Ill.
Babbitt B. T. (Inc.), (Refined), 15 W 34th, New York
Celina Stearic Acid Co. (Crude), Celina, O.
Colgate & Co. (Refiners), 105 Hudson, Jersey City, N. J.
Cooper & Cooper Inc., 23HCliff, New York
Cudahy Packing Co. (Refiners), 111 W Monroe, Chicago, Ill.
Darling & Co., 4201 S Ashland av, Chicago, Ill.
Emery Candle Co. (Refined for Dynamite), 115 E. 4th, Cincinnati, O.
Fairbank N. K. Co. (Refined), 1525 Newberry, Chicago, Ill.
Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa.
See adv index at end of book
Globe Soap Co. (Refined), Walsh bldg, Cincinnati, Ohio
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Gross A. & Co., 90 West, New York
Harkness & Cowing Co., Murray, Cincinnati, Ohio
HARSHAW, FULLER & GOODWIN CO., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Jacob Chas. W. & Allison (Imp "Glypho" Substitute), 18 Cedar, New York
Jobbins Wm. F. (Inc.) (Crude, Refined, Chemically Pure), Aurora, Ill.
Kendall Mfg. Co., 90 Friendship, Providence, R. I.
Kirk Jas. S. & Co. (Refined), 1232 W North av, Chicago, Ill.
Kirk Walter R., 327 S LaSalle, Chicago, Ill.
Kirkman & Son (Refined), 215 Water, Brooklyn, N. Y.
Larkin Co. (Refined), 1680 Seneca, Buffalo, N. Y.
Lautz Bros. & Co., Ellicott sq, Buffalo, N. Y.
Lever Bros. Co., Cambridge, Mass.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Marx & Rawolle, 100 William, New York
Peet Bros. Mfg. Co., 17th & Kans. av, Kansas City, Mo.
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Proctor & Gamble Co. (Refiners), Gwynne bldg, Cincinnati, O.
Remmers Soap Co., 2261 Spring Grove av, Cincinnati, O.
Riddle Chemical Co., 35 S Dearborn, Chicago
See adv index at end of book
Schellings C. J. & Co. (Imp.), 175 Pearl New York
Swift & Co. (Refined), Union Stock Yards, Chicago, Ill.
Tennant C. Sons & Co. of N. Y. (Importers), 19 W 44th, New York
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*
Will & Baumer Co. (Crude), Syracuse, N.Y.
Wilson Martin Co. (Crude), 30th & Market, Phila., Pa.

5521a— Glycerine Substitutes

Nulomoline Co., 111 Wall, New York

5522— Glycerophosphate

Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park pl, New York
Monsanto Chemical Works (Calcium, Potassium & Sodium), E. St. Louis Plant, St. Louis, Mo.

5523— Goals (Basket Ball)

St. Charles Net & Hammock Co., St. Charles, Ill.
Spalding A. G. & Bro., 105 Nassau, New York

Go-Carts

See Carriages. Children's with the Words Go-Cart Following Their Names

5524— Goggles (Sand Blast)

MacLeod Co., 2227 Bogen, Cinncinnati, O.
See adv index at end of book
Winter & Bain, 2429 E 25th, Los Angeles, Cal.

5524a— Goggles (Welding)

OXWELD ACETYLINE CO., 30 E. 42nd, New York
See adv index at end of book

5525—Goggles & Eye Protectors

American La France Fire Engine Co. (Jobbers), Elmira, N. Y.
American Optical Co. ("Wellsworth"), Southbridge, Mass.
American Thermo-Ware Co. (For Automobilists, Oxygen Welders, Workmen, etc), 16 Warren, New York
Barnard Machinery Co., Dept. H, Enterprise Kans.
Carbic Mfg. Co. (Carbic Goggles for Welding & Cutting), Duluth, Minn.
Chicago Eye Shield Co. ("Boston," "Chicago," "Cheyenne," "C. E. S. Co.," "Fyberwild," "Fitswell," "Dandy"), 2300 Warren av, Chicago, Ill.
Demmerle & Co., 33 W 17th, New York
DREIS & KRUMP MFG. CO. (Eye Shield for Grinding Wheels), 7420 S Loomis av, Chicago, Ill.
Electric Arc Cutting & Welding Co. (Cutting & Welding Shields), 152-156 Jelliff av, Newark, N. J.
See adv index at end of book
Faultless Rubber Co. (Auto Goggles), Ashland, O.
Featherweight Eyeshade Co. ("Featherweight"), Merchantville, N. J.
Globe Optical Co., 403 Washington, Boston, Mass.
Hardy F. A. & Co. (Dirs.), 10 S Wabash av, Chicago, Ill.
Hayward S. F. & Co., 250 W 54th, New York
King E. W. Optical Co. ("Bifieite"), Euclid Arcade bldg, Cleveland, O.
King Julius Optical Co. ("Saniglas," All kinds), 10 Maiden la, New York
Motor Car Supply Co., 1453 Michigan av, Chicago, Ill.
Munsell Eugene & Co., 68 Church, New York
Newport Optical Mfg. Co., 28 Boerum, Brooklyn, N. Y.
Pennsylvania Optical Co., Reading, Pa.
Safety Equipment Service Co. ("Adjustoglas" for Welders & Chippers), 1104 Hamilton av, N. E., Cleveland, O.
Safety First Supply Co., 107 3d av, Pittsburgh, Pa.
Scheffer & Rossum Co., 104 E 10th, St. Paul, Minn.
Scheidig Jno. & Co. (Imp Eye Shields), 32 60 Nassau, New York
Spencer Optical Co. (Imp), 461 8th av, New York
Standard Optical Co. ("Shoes"), Geneva, N. Y.
Strauss Bros. & Co. (Goggles, Imported), 355 B'way, New York
Strauss & Buegeleisen ("Resista"), 16 Hanover pl, Brooklyn, N. Y.
Sussfeld Lorsch & Co. (Imp.), 153 W 23, New York
Wilson Goggle, Inc. ("Willson" Eye Protectors for Workmen & Safety Glasses), Reading, Pa.

5525a— Gold Chloride

Ames M. Chemical Wks, Glen Falls, N. Y.
Cooper Chas. & Co., 194 Worth, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Mallinckrodt Chem. Wks., 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Powers-Weightmann-Rosengarten Co., 916 Parrish, Phila., Pa.
Wildberg Bros., 742 Market, San Francisco, Cal.

5525b—*Gold (14K & 18K White)

WILSON H. A. CO. ("Wilco"), 99 Chestnut, Newark, N. J.

5525c— Gold (Granulated)

Rich-Alloy Co., 13223 Euclid av, Cleveland, O.

5526— Gold Leaf

American Roll Gold Leaf Co., 56 Pine, Providence, R. I.
Baer Bros., 438 W 37th, New York
Baker & Co., 54 Austin, Newark, N. J.
Cabot Edwin S. (Est. of), 103 Arch, Boston, Mass.
Coe W. H. Mfg. Co., 74 Weybosset, Providence, R. I.
Cottier Chas. & Son, Inc., 542 5th av, New York
Gane Bros. & Co. of New York ("Oriental Tissue Leaf"), 106 Lafayette, New York
Harwood F. W. & Son, 307 Guilford av, Baltimore, Md.
Hastings & Co., 819 Filbert, Phila., Pa.
Henke Robt., 175 Park row, New York
Hickson Stephen A., 329 Church, New York
Hunt Philip A. Co., 225 5th av, New York
Kemp W. H. Co., 165 Spring, New York
Pierce F. O. Co., 12 W B'way, New York
Powers-Weightmann-Rosengarten Co., 916 Parrish, Phila., Pa.
Rauskolb, Fred W. Co., 16 Franklin, Boston, Mass.
Schultz's Michael Sons (Imitation Gold & Metal Leaf), 152 E Houston, New York
Swift M. & Sons, 100 Love Lane, Hartford, Conn.
Valleau Mfg. Co., 506 Broome, New York
Vincent-Lewis Co., 435 4th, Oakland, Cal.
Wehrung & Billmeier Co., 3624 Lincoln av, Chicago, Ill.

5526a— *Gold (Liquid)

HANOVIA CHEMICAL & MANUFACTURING CO. (for China and Glass Decorating), 233 N. J. R. R., Newark, N. J.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book

5527—Gold-Sodium (Chloride)

Ames M. Chem. Wks., Glen Falls, N. Y.
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

Gongs (Car, Etc.)

See Bells & Gongs, Car

5528—Gongs (Electro-Mechanical)

Bunnell J. H. & Co., 32 Park pl, New York
Edwards & Co., Exterior & 104th, New York
Gamewell Fire Alarm Telegraph Co., Newton Upper Falls, Mass.
Haas R. Electric & Mfg. Co. ("Ideal"), Springfield, Ill.
Holtzer-Cabot Electric Co., 125 Amory, Boston, Mass.
Loper Fire Alarm Co., Stonington, Conn.
Partrick & Wilkins Co., 51 No. 7th, Phila., Pa.
Star Electrical Motor Co., Miller & N J RR av, Newark, N. J.

5529—Gongs (Unmounted Electric Bell)

American Tube & Stamping Co., Bridgeport, Conn.
Bevin Bros. Mfg. Co., East Hampton, Conn.
Bridgeport Brass Co., Dept. H, E Main, Bridgeport, Conn.
Catasauqua Gong & Stamping Works, Catasauqua, Pa.
East Hampton Bell Co., East Hampton, Conn.
Gong Bell Mfg. Co., East Hampton, Conn.
Hill N. N. Brass Co., East Hampton, Conn.
Reiter G. C., 1917 Henry S W, Canton, O.
Star Bros. Bell Co., East Hampton, Conn.
Zeigler Mfg. Co., Alexandria, Ind.

5530— Goosenecks

American Foundry & Mfg. Co. (Lead & Cast Iron), 11th & Hebert, St. Louis, Mo.
American Tube & Pipe Bending Co., 880 E 72nd, Cleveland, Ohio
Benjamin Electric Mfg. Co., 847 W. Jackson blvd, Chicago, Ill.
Central Brass Mfg. Co., 6306 Cedar, Cleveland, O.
Crane Co., 836 S. Michigan av, Chicago, Ill.
Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, O.
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co. (Lead, etc), Erie, Pa.
See adv index at end of book
Heap Wm. & Sons, Grand Haven, Mich.
Kupferle Jno. C. Fdry. Co. (Cast Iron), 1st & Wright, St. Louis, Mo.
McDonald A. Y. Mfg. Co. (Cast Iron, etc), Dubuque, Ia.
McShane Bell Foundry Co., Harford av & B & O R R, Baltimore, Md.
Miller Chas. A. Co. (Galvanizing for High Tanks), Sturgis, Mich.
Mueller H. Mfg. Co., Decatur, Ill.
Park & McKay, 55 Bagley av, Detroit, Mich.
Riverside Foundry & Galvanizing Co., Kalamazoo, Mich.
Walworth Mfg. Co. (Lead, etc), Boston, Mass.

5530a—Gouges (Handle)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

5531—Gouges (Plumbers', Blacksmiths', Etc.)

See also Chisels & Gouges, Carpenters'
Bernz Co., Inc., Otto (Plumbers'), 17 Ashland, Newark, N. J.
See adv index at end of book
Braunsdorf-Mueller Co. (Carpenters, Plumbers & Turning), Elizabeth, N. J.
Buffum Tool Co. ("Swastika," Plumbers' & Wood Turners', all Steel Handle), South Side, Louisiana, Mo.
Gardner Machine Works, Gardner, Mass.
Plomb Tool Mfg. Co., 1119 Santa Fe, Los Angeles, Cal.
Stortz John & Son, 210 Vine, Phila., Pa.

5532—Governors (Compressor)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Atlas Valve Co., 282 South, Newark, N. J.
Cash A. W. Co. (Air), Dept. H, P. O. Box 135, Decatur, Ill.
See adv index at end of book
INGERSOLL-RAND CO., 11 B'way, New York *See adv index at end of book*

Jarecki Mfg. Co., Erie, Pa.
Judson Governor Co., Rochester, N. Y.
Westinghouse Air Brake Co., Pittsburgh, Pa.
Westinghouse Traction Brake Co., Pittsburgh, Pa.

5533—*Governors (Electric Motor Compressor)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
INGERSOLL-RAND CO., 11 B'way, New York
See adv index at end of book
STEWART JAMES & CO., INC., 1210 Fisher bldg, Chicago, Ill.

5534—Governors (Electric Pump)

GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book
Ruggles-Klingemann Mfg. Co. (Oil) ("R-K"), Salem, Mass.
Westinghouse Electric Mfg. Co., East Pittsburgh, Pa.

5535— Governors (Gas)

Baylis Company, Bloomfield, N. J.
Chaplin-Fulton Mfg. Co. ("Fulton," for District or Service Use; also "Duplex" Sensitive with Automatic Cut-Off), 34 Penn av, Pittsburgh, Pa.
Equitable Meter Co. ("Crawford"), 424 1st av, Pittsburgh, Pa.
Gas Machy. Co., 1900 Euclid av, Cleveland, Ohio
Helme & McIlhenny ("Foulis" Station), 17th & Clearfield, Phila., Pa.
Hennebohle Frank (& Hydraulic), 81st & S Chicago av, Chicago, Ill.
Isbell-Porter Co. (Street Governors), 46 Bridge, Newark, N. J.
Lee George E. Co., Caxton bldg, Cleveland, Ohio
Mason Regulator Co., 1192 Adams, Boston, Mass.
Reynolds Gas Regulator Co. (High Pressure for Artificial Gas), Anderson, Ind.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.
Witt G. E. Co., 862 Howard, San Francisco, Cal.

5535a—Governors (Gasoline Engine)

Duplex Engine Governor Co., 36 Flatbush av, extension, Brooklyn, N. Y.
Monarch Governor Co., 1832 W Bethune, Detroit, Mich.
Newton E. C. Corp. (Impulse Magneto Governor), 2823 Silver, Los Angeles, Cal.
Pharo Mfg. Co. ("Pharo" Automobile), Bethlehem, Pa.

5536—Governors (Motor Driven Compressor)

GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

5537—Governors (Oil Burner)

Cash A. W. Co., Dept. H, P. O. Box 135, Decatur, Ill.
See adv index at end of book
Mason Regulator Co. ("Mason"), 1192 Adams, Boston, Mass.
Ray W. S. Mfg. Co., 120 New Montgomery, San Francisco, Cal.
Staples & Pfeiffer ("S. & P."), 528 Bryant, San Francisco, Cal.
Witt G. E. Co., 862 Howard, San Francisco, Cal.

5538—Governors (Pneumatic)

Judson Governor Co., Rochester, N. Y.
National Brake & Elec. Co. ("National," for Electric Cars), ft. Belleview pl, Milwaukee, Wis.

5539— Governors (Pressure)

Allis-Chalmers Mfg. Co. (Air Compressor), Milwaukee, Wis.
See adv index at end of book
Bridgeport Brass Co. (Unmounted Only), Dept. H, Bridgeport, Conn.
DUNHAM C. A. CO., 230 E Ohio, Chicago
See adv index at end of book
Foster Engng. Co., 109 Monroe, Newark, N. J.
Hydraulic Press Mfg. Co., 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book
Judson Governor Co., Rochester, N. Y.
McAlear Mfg. Co. (High Boiler Line), 1901 S Western av, Chicago, Ill.
Mason Regulator Co. ("Mason"), 1192 Adams, Boston, Mass.
Tagliabue Chas. J. Mfg. Co., 18 83d, Brooklyn, N. Y.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.
Witt G. E. Co. ("Little Giant"), 862 Howard, San Francisco, Cal.

5540— Governors (Pump)

See also Vales (Pressure Reducing)

Acton John (Leather Cup Pump Governors), 118 John, Brooklyn, N. Y.
Albany Steam Trap Co. ("Blessing"), Albany, N. Y.
Atlas Valve Co., 282 South, Newark, N. J.
Atwood & Morrill ("XX Century"), 48 Loring av, Salem, Mass.
Berry Engineering Co. ("Berry"), Chester, Pa.
Burrows F. A. Mfg. Co. (Automatic), York, Pa.
CASH A. W. CO., Dept. H, P. O. Box 135, Decatur, Ill.
See adv index at end of book

CASH STANDARD PUMP GOVERNORS

Very sensitive; start or stop pumps with very few pounds change in discharge pressure; no leakage; iron or bronze body; sizes ⅜" to 6". Ask for description and catalog.

A. W. Cash Co., Dept. H. Decatur, Ill.

Chaplin-Fulton Mfg. Co. ("Fulton"), 34 Penn av, Pittsburgh, Pa.
Chicago Engineering Supply Co. ("Boylston"), 68 W Lake, Chicago, Ill.
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
DAVIS G. M. REGULATOR CO., 434 Milwaukee av, Chicago, Ill.
D'Este Julian Co., 26 Canal, Boston, Mass.
DUNHAM C. A. CO., 230 E Ohio, Chicago
See adv index at end of book
Fisher Governor Co. ("Fisher"), Marshalltown, Ia.
Ford Thos. P. Co. (Automatic), 407 Broome, New York
Foster Engng. Co. (Diaphragm or Piston Operated, Hydraulic, Ammonia, Excess Boiler Feed, Vacuum, Fuel Oil, etc.), 109 Monroe, Newark, N. J.
Gardner Governor Co., 23 Williams, Quincy, Ill.
Garrett W. D. & Co., 118 E 28th, New York
Godfrey Keeler Co. ("Simplex"), 70 Warren, New York
Hennebohle Frank, 81st & S Chicago av, South Chicago, Ill.
Hughson Steam Spec. Co. ("Eclipse"), W 21st & S Racine av, Chicago, Ill.
Hydraulic Press Mfg. Co. (Hydraulic, "H. P. M."), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book
Ideal Automatic Governor Co. ("Ideal"), 164 Emmet, Newark, N. J.
Illinois Engineering Co. ("Hughson"), W 21st & S Racine av, Chicago, Ill.
Jarecki Mfg. Co., Erie, Pa.
Judson Governor Co., Rochester, N. Y.
Kieley & Mueller ("Rockaway" Automatic), 34 W 13th, New York
Kitts Mfg. Co. (Pressure), Oswego, N. Y.
Klipfel Mfg. Co. ("K. & T."), 2651 W Harrison, Chicago, Ill.
Linton Machine Co., 101 Park av, New York
Locke Regulator Co. ("Boardman," also Fire Pump), Salem, Mass.
McAlear Mfg. Co. (Condensation, Excess Pressure & Vacuum), 1901 S Western av, Chicago, Ill.
McDonough Automatic Regulator Co. ("McDonough"), 716 Gd. River, Detroit, Mich.
Mason Regulator Co. ("Mason"), 1192 Adams, Boston, Mass.
Middlesex Machine Co. ("Legg"), Lowell, Mass.
Monash-Younker Co., 1407 W Jackson blvd, Chicago, Ill.
Nason Fred W. Co., 105 W 40th, New York
Northern Equipment Co. ("Copes"), Erie, Pa.
Ruggles-Klingemann Mfg. Co. (Vacuum "R-K"), Salem, Mass.
S. C. Regulator Mfg. Co. ("S. C."), Fostoria, O.
Shopp W. A. & Co. (Water & Oil), New Castle, Ind.
Squires C. E. Co., 3934 Kelly av, Cleveland, Ohio
Standard Steam Specialty Co. ("Utility"), 366 3rd av, New York
STAPLES & PFEIFFER ("S. & P."), 528 Bryant, San Francisco, Cal.
Strong, Carlisle & Hammond Co. ("Strong"), 1394 W 3rd, N W, Cleveland, O.
Tagliabue Chas. J. Mfg. Co., 18 83rd, Brooklyn, N. Y.
Waters Governor Co., 141 Milk, Boston, Mass.
Watson & McDaniel Co. ("Watson" Steam Pump, Intermittent & Throbbing), 146 N 7th, Phila., Pa.
Watts Regulator Co. ("Watts"), Lawrence, Mass.
Wilgus Mfg. Co. ("Wilgus" for Fuel Oil, Steam Pumps, Air Compressors, etc), Los Angeles, Cal.
Williams Gauge Co. ("Williams"), 543 4th av, Pittsburgh, Pa.
Witt G. E. Co. ("Little Giant"), 862 Howard, San Francisco, Cal.
Wright-Austin Co. ("Murray"), 97 Woodbridge, Detroit, Mich.

5541—Governors (Retort House)

Isbell-Porter Co., 46 Bridge, Newark, N. J.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.

5542-3—Governors (Steam Engine)

Atlas Valve Co., 282 South, Newark, N. J.
Bayard M. L. & Co., Woodbine, N. J.
Gardner Governor Co., 23 Williams, Quincy, Ill.
GODFREY KEELER CO., 70 Warren, New York
Jarecki Mfg. Co., Erie, Pa.
Judson Governor Co., Rochester, N. Y.
Knowlson & Kelley Co., Inc., Troy, N. Y.
Lombard Governor Co., Ashland, Mass.
Massey Machine Co. ("Jahn" Steam & Gas Engine & Turbine), Watertown, N. Y.
Nordberg Mfg. Co., Chicago & Oklahoma, Milwaukee, Wis.
Pickering Governor Co., Portland, Conn.
Sinker-Davis Co. ("King," "Hoosier"), Indianapolis, Ind.
Vicksburg Governor Co. ("New Judson"), Vicksburg, Mich.
Waters Governor Co., 141 Milk, Boston, Mass.
Watts Regulator Co .("Watts"), Lawrence, Mass.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book
Wright Machine Co. ("Gunther"), 405 E 2nd, Owensboro, Ky.

5544— Governors (Turbine)

Allis-Chalmers Mfg. Co. (Hydraulic), Milwaukee, Wis.
See adv index at end of book
Atlas Valve Co., 282 South, Newark, N. J.
Cramp Wm. & Sons Ship & Engine Bldg. Co., Richmond & Norris, Phila., Pa.
Ideal Automatic Governor Co., 164 Emmet, Newark, N. J.
Massey Machine Co. ("Jahns" System), Watertown, N. Y.
Pelton Water Wheel Co., 19th & Harrison, San Francisco, Cal.
Smith S. Morgan Co., P. O. Box 667, York, Pa.
Watts Regulator Co. ("Watts"), Lawrence, Mass.

5545—Governors (Water Line)

McAlear Mfg. Co., 190 S Western av, Chicago, Ill.

5546—Governors (Water Wheel)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Cohoes Iron Foundry & Machine Co. ("Snow"), Cohoes, N. Y.
Holyoke Machine Co., Worcester, Mass.
Hunt Rodney Machine Co., Orange, Mass.
Lombard Governor Co., Ashland, Mass.
Pelton Water Wheel Co., 19th & Harrison, San Francisco, Cal., & 90 West, New York
Smith S. Morgan Co., P. O. Box 667, York, Pa.
Woodward Governor Co., Rockford, Ill.

5547— Grabs (Oyster)

Auer John, Jr. (Wrought Tongs), 197 Middleton, Brooklyn, N. Y.

Grabs (Stone, Etc.)

See Hooks, Grab

5548— Graders (Barley)

Howes S. Co., Inc., Silver Creek, N. Y.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book

Graders (Elevating)

See Road Machines & Graders

5549—Graders (Grain & Seed Corn)

Advance Rumely Co. ("Rumely," "Rainbow," Grain, Hand or Power), Madison & Lincoln Way, La Porte, Ind.
American Grain Separator Co. ("Winner"), Erie & S E Essex, Minneapolis, Minn.
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Cleland Mfg. Co. ("Expert"), 280 Washington av N, Minneapolis, Minn.
Colfax Mfg. Co., 1701 N E Madison, Minneapolis, Minn.
Constant B. S. Mfg. Co. ("U. S."), Bloomington, Ill.
Emerson Mfg. Co., 2601 32nd av S., Minneapolis, Minn.
Ferrell A. T. & Co. ("Clipper"), Saginaw, Mich.
Gale Mfg. Co., Albion, Mich.
Hirsch Bros. ("Webber"), 267 Reed, Milwaukee, Wis.
Hunnicutt Chas. Co. ("Perfection"), Wilmington, O.
Invincible Grain Cleaner Co. ("Invincible"; also Rice, Oats & String Beans), Silver Creek, N. Y.
Johnson & Field Mfg. Co. ("Racine," "Dickey"), Racine, Wis.
Martin Co. ("Corn King"), Sac City, Ia.
Maytag Co. ("Hawkeye"), Newton, Ia.

(Continued on following page)

Graders (Grain & Seed Corn)—Continued

Noxall Mfg. Co., Seward, Neb.
One Minute Mfg. Co. ("Newton"), Newton, Iowa
Owens J. L. Co., Fulton & S E Huron, Minneapolis, Minn.
Red Cross Mfg. Co., Bluffton, Ind.
Robinson H. Mfg. Co., Muncy, Pa.
Spaulding Horace R., 898 Folsom, San Francisco, Cal.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Twin City Separator Co. ("Hero"), 1701 N E Madison, Minneapolis, Minn.

5550—Graders (Railroad, Reservoir, Etc.)

Bagley Grader Co. ("Bagley" Steam or Electric Power), Tacoma, Wash.
Western Wheeled Scraper Co., Farnsworth, Aurora, Ill.

5551— Graders (Rice)

Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Johnson & Field Mfg. Co., Racine, Wis.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book

Gradometers

See Meters, Distance Recording

5552—Graduators (Thermometer & Chemical Glassware)

Burr Co., Champaign, Ill.
Eimer & Amend, 205 E 18th, New York
Reid Bros., Inc., 91 Drumm, San Francisco, Cal.

5553—Grain Elevator Builders

American Machinery Co., 103 W Water, Milwaukee, Wis.
Barnett & Record Co., Flour Exch., Minneapolis, Minn.
Benson C. H., 314 Corn Exchange, Minneapolis, Minn.
Burrell Engineering Construction Co., 30 N La Salle, Chicago, Ill.
Camp Bros. & Co. (& Hydraulic Dump), Washington, Ill.
Chesley Earl & Heimbach, 20 Breckenridge, Buffalo, N. Y.
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
Hickok Const. Co., 1219 Flour Exch., Minneapolis, Minn.
Iberson T. E., Corn Exchange, Minneapolis, Minn.
King & Hamilton Co., Ottawa, Ill.
Link Mfg. Co., 17th & Cleveland, Kansas City, Mo.
Macdonald Engineering Co., 53 W Jackson blvd, Chicago, Ill.
Metcalf J. S. Co., 108 S La Salle, Chicago, Ill.
Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Reschke Machine Works Co., Wichita, Kan.
Robinson H. Mfg. Co., Muncy, Pa.
Snyder Wm. H., Carey, O.
Southwestern Engng. Co. (Designers & Builders), Springfield, Mo
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
STEWART JAMES & CO., INC., 1210 Fisher bldg, Chicago, Ill.
Wasner Elevator Mfg. Co. ("Dakota," "Gopher," "North Star"), Warner, Ill.
Wolf Co., Chambersburg, Pa.
Ypsilanti Machine Works, Ypsilanti, Mich.

5554—Grain Elevator & Wagon Dumps (Portable)

Advance Rumely Co., Madison & Lincoln Way, La Porte, Ind.
Bauroth Bros. ("Bauroth"), Springfield, O.
Camp Bros. & Co. ("Camp" Hydraulic), Washington, Ill.
Cizek Bros. Mfg. Co. ("Farmers' Friend"), Clutier, Ia.
Clark Machine Co. ("Clark"), St. Johnsville, N. Y.
Davidson Chas. E. ("Eureka"), Eureka, Ill.
Fleming & Sons Mfg. Co. ("Acme"), Huntsville, Mo.
Fremont Mfg. Co. ("Jones"), Fremont, Neb.
G. & D. Mfg. Co. ("Farmers' Friend"), Streator, Ill.
Galloway William Co., Waterloo, Ia.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
Kewanee Implement Co., Kewanee, Ill.
King & Hamilton Co. ("American," "K. & H."), Ottawa, Ill.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Luthy & Co. ("Ideal"), Peoria, Ill.
Maroa Mfg. Co., Maroa, Ill.
Marseilles Works of Deere & Co. ("John Deere"), East Moline, Ill.
Meadows Mfg. Co. ("Rocke," "Meadows"), Bloomington, Ill.
Meyer A. F. Mfg. Co., Morton, Ill.
O'Neil T. L. ("Eclipse," "Flying Swede"), Marseilles, Ill.
Peoria Drill & Seeder Co. ("Peoria" all Steel), Peoria, Ill.
Portable Elevator Mfg. Co. ("Little Giant," "National"), Bloomington, Ill.
Rude Mfg. Co., Liberty, Ind.
Sandwich Mfg. Co. ("Sandwich"), Sandwich, Ill.
Schroeder H. V. Mfg. Co. ("Schroeder"), Minier, Ill.
Sprout, Waldron & Co. ("Monarch"), Muncy, Pa.
See adv index at end of book
Sterling Mfg. Co., Sterling, Ill.
Warner Elevator Mfg. Co. ("Dakota," "Gopher," "North Star," "Warner"), Warner, Ill.
Wenzelman Mfg. Co. ("Wenzleman"), Galesburg, Ill.
Wolf Co., Chambersburg, Pa.

Grain Tanks

See Tanks, Grain Storage

5554a— Grains (Emery)

Buchanan Thos. Co., 114 W Pearl, Cincinnati, Ohio
See adv index at end of book
Day S. A. Mfg. Co. (Dealers), 1483 Niagara, Buffalo, N. Y.
Niagara Emery Mills, Lockport, N. Y.

5555—Grains & Brick (Rubbing)

Carborundum Co. (Carborundum & Aloxite), Niagara Falls, N. Y.
Norton Co. (Alundum & Crystolon), Barbers Crossing, Worcester, Mass.
Thurston F. W. Co. ("Thur-Stone"), 1882 S Clark, Chicago, Ill.
Waddell R. J. & Co. ("Schumacher's"), 52 Beekman, New York

5556— Granite (Black)

French Creek Granite Co., St. Peters, Pa.

5557—Granite Building Work (Cutters' & Contractors')

See also Granite Producers, Workers and Dealers
Blake Chas. G. & Co. (Monumental Work), 108 S La Salle, Chicago, Ill.
Bowdell Granite Co., Rockland, Me.
Booth Bros. & Hurricane Isle Granite Co., 208 Broadway, New York
Cross Bros. Co., Northfield, Vt.
Fletcher H. E. Co. ("Mausoleums, Vaults, etc.), West Chelmsford, Mass.
Flynt W. N. Granite Co., Monson, Mass.
Granite Railway Co., Quincy, Mass.
Gray Wm. & Sons Co., 30th bl. Walnut, Philadelphia, Pa.
Guilford & Waltersville Granite Co., 10 E Pleasant, Baltimore, Md.
Hallowell Granite Works, Hallowell, Me., & 53 State, Boston, Mass.
Harris C. J. Granite Quarries Co., Salisbury, N. C.
Jones Bros. Co. (Monumental Work a Specialty), 10 High, Boston, Mass.
Leopold J. & Co., 233 Broadway, New York
McDonnell & Sons, 858 Main, Buffalo, N. Y.
McGilvray-Raymond Granite Co., 634 H Townsend, San Francisco, Cal.
Milford Pink-Victoria White Granite Co., 405 Lexington av, New York
Mount Waldo Granite Works, Frankfort, Me.
National Building Granite Quarries Assn., Inc., 31 State, Boston, Mass.
New England Granite Works, Westerly, R. I.
North Carolina Granite Corp., Mount Airy, N. C.
Perry Bros., Concord, N. H.
Raymond Granite Co. ("Raymond"), 3 Potrero av, San Francisco, Cal.
ROCKPORT GRANITE CO., Rockport, Mass.
Rullman & Wilson, Lafayette E of Mt. Royal, Baltimore, Md.
St. Cloud Granite Works, St. Cloud, Minn.
Swenson John Granite Co., Concord, N. H.
Welbien A. Marble & Granite Co., City Pk. av & St. Louis, New Orleans, La.
Wells-Lamson Quarry Co., Barre, Vt.
Windsor Green Granite Co., Worcester, Mass., & Windsor, Vt.
Winnsboro Granite Corp., Rion, S. C.
Woodbury Granite Co., Hardwick, Vt.

5557a—Granite (Chemically Pure)

Grueby Faience & Tile Co. (Grubite"), Perth Amboy, N. J.

5558—Granite Columns (Polished)

Blake Chas. G. & Co., 108 S La Salle, Chicago, Ill.
Bodwell Granite Co., Rockland, Me.
Booth Bros. & Hurricane Isle Granite Co., 208 Broadway, New York
Fletcher H. E. Co., West Chelmsford, Mass.
Foster & Hosler, 431 S Dearborn, Chicago, Ill.
Granite Railway Co., Quincy, Mass.
Hallowell Granite Works, Hallowell, Me.
Jones Bros. Co., 10 High, Boston, Mass.
Milford Ping-Victoria White Granite Co., 405 Lexington av, New York
New England Granite Works, Westerly, R. I.
Richards John R., Quincy, Mass.
Rockport Granite Co., Bridgeport, Mass.
St. Cloud Granite Works, St. Cloud, Minn.
Simmers & Campbell (Turned & Polished), St. Cloud, Minn.
Swenson John Granite Co., Concord, N. H.
Wells-Lamson Quarry Co., Barre, Vt.
Woodbury Granite Co., Hardwick, Vt.

Granite (Crushed)

See Stone, Crushed; also Trap Rock

5559— Granite (Green)

Rockport Granite Co., Rockport, Mass.

5560-1—Granite (Ligonier)

Booth & Flynn (Ltd.), 1942 Forbes, Pittsburgh, Pa.

Granite (Monumental Work)

See Granite Building Work, Cutters & Contractors; also Barre, Vt.; Quincy, Mass., & Westerly, R. I., in Granite Producers, Workers & Dealers

5562—Granite Producers (Pink)

Harris C. J. Granite Quarries Co., Salisbury, N. C.
Leopold J. & Co., 233 Broadway, New York
Lovejoy Granite Co., Milford, N. H.
New England Granite Works, Westerly, R. I.
Webb Pink Granite Co., Milford, Mass.
Wise Granite & Construction Co., Richmond, Va.

5563—Granite Producers (Red)

Anderson Bros. & Johnson Co. ("Wisconsin Ruby"), Wausau, Wis.
Bodwell Granite Co., Rockland, Me.
Booth Bros. & Hurricane Isle Granite Co., 208 Broadway, New York
Leopold J. & Co., 233 Broadway, New York
Milford Ping-Victoria White Granite Co., 405 Lexington av, New York
New England Granite Works (Westerly Red, etc.), Westerly, R. I.
Rockport Granite Co., Rockport, Mass.
Smith Granite Co., Westerly, R. I.

5564—Granite Producers, Workers & Dealers

Those Marked with the Star (*) have Quarries
See also Granite Building Work, Cutters & Contractors; also Granite Columns, Polished; also Marble Producers; also Stone Producers, Workers & Dealers

CALIFORNIA.

LOS ANGELES—*Bly Stone Co., 1985 E 16th
*McGilvray Raymond Granite Co., 678 S Utah
*Raymond Granite Co., 1350 Palmetto
NEVADA CITY—*Bridges E. D.
PENRYN—*Griffith David
ROCKLIN—California Granite Co.
*Delano Granite Co.
*Kesti & Son
SACRAMENTO—*Carlaw Bros.
SAN DIEGO—*Simpson-Pirnie Granite Co.
SAN FRANCISCO—*McGilvray - Raymond Granite Co. ("Silver Grey Quality"), 634 Townsend
*Raymond Granite Co., 3 Potrero av
SAN JOSE—Western Granite Works
WATSONVILLE—Granite Rock Co.

COLORADO.

DENVER—*Denver Marble & Granite Co., 1224 Lawrence

CONNECTICUT.

GROTON—*Salter J. & Son
LEETE ISLAND—Beattie John
MILLSTONE—Gardiner Henry
NEW HAVEN—Bowden Thos.
NEW LONDON—Booth Bros. & Hurricane Isle Granite Co. (Red, Grey, White, etc.)
*Kopp J. K.
Sayle Thos., Jr.
NORWALK—Bates Jno. S.
STONY CREEK—Stony Creek Red Granite Co.
WATERFORD—*Booth Bros. & Hurricane Isle Granite Co.

DISTRICT OF COLUMBIA.

WASHINGTON—Falvey Michael J., 602 11th N W

GEORGIA.

ATLANTA—Pine Mountain Granite Co.
DALTON—Hill Bros. Marble & Granite Co., Dept. H
ELBERTON—Elberton Co. ("Oglesby" Blue Granite)
LITHONIA—Arabia Granite Co., Dept. H
*Brand & Newmeyer Granite Co.
*Davidson Granite Co.
*Johnson Granite Co.
*Pine Mountain Granite Co.

MACON—*Georgia Quincy Granite Co.
ROME—Standard Marble Co.
STONE MOUNTAIN—*Stone Mountain Granite Corp.

ILLINOIS.

BLOOMINGTON—Higgins - Jung - Kleinau Co.
Moore J. K.
CHICAGO—Blake Chas. G. & Co., 108 S La Salle
Foster & Hosler, 431 S Dearborn
Gall Chas. H., 127 N Dearborn
Laechle W. C. & Co., 30 N La Salle
*Swenson John Granite Co., Marquette bldg
Waushara Granite Co., 133 W Wash'n
Wisconsin Granite Co., 105 W Monroe

KENTUCKY.

LOUISVILLE—Peter & Burghard Stone Co.

LOUISIANA.

SHREVEPORT—Newman A. J.

MAINE.

ADDISON—Pleasant River Granite Co.
BANGOR—*Bangor Granite Co.
BIDDEFORD—Ross Ivory S.
Yates G. H.
FRANKLIN—Blaisdell W. B. & Co.
Bragdon Lincoln C.
FREEPORT—Green Fred C.
FRYEBURG—*Eagle Gray Granite Co.
HALLOWELL—*Hallowell Granite Works
JONESBORO—*Bodwell Granite Co.
NORTH JAY—*Maine & New Hampshire Granite Corp.
NORTH SULLIVAN—Crabtree & Havey
PORTLAND—Union Granite Co., foot of Wilmot
RED BEACH—Tarbox O. S.
ROCKLAND—Bodwell Granite Co. (Red & Grey)
ROCKPORT—Philbrook Wm. H.
SOUTH THOMASTON—Bassick N. C. & Sons
Sleeper W. P.
STONINGTON—*Goss John L. Corp.
*Hagan John & Co.
SULLIVAN—*Dunbar Bros.
SWANVILLE—Webb F. P. & F. J.
THOMASTON—Burton Alvar F.
WATERVILLE—*Waterville Granite & Marble Co.

MARYLAND.

BALTIMORE—*Guilford & Waltersville, 10 E Pleasant
Hilgartner Marble Co., 223 N Charles
Rullman & Wilson (Granite Workers), Lafayette, E of Mt. Royal
GRANITE—Guilford & Waltersville Granite Co.
GUILFORD—Maryland Granite Co.
WOODSTOCK—Feeney & Atherton
Putney Oliver C. (quarry).

MASSACHUSETTS.

BOSTON—*Cook, Watkins & Co. (Monumental Wholesale), 223 Columbus av
*Crumb Quarry Co., 35 Congress
Hildreth Granite Co., 21 State
Jones Bros. Co., 10 High
National Building Granite Quarries Assn., Inc., 31 State
*Norcross Bros. Co. (Grey, Red & Green Quarries at Milford, Mass.; Stony Creek, Conn.; Windsor, Vt., & Oneco, Conn.), Tremont bldg
Rockport Granite Co.
CAMBRIDGE—Harrington John (Est. of)
CHESTER—*Hudson & Chester Granite Co.
FALL RIVER—*Beattie Wm. H. (Dealer & Contractor)
FITCHBURG—Godbeer Henry
GRANITEVILLE—*Fleacher H. N.
*Hildreth H. V.
*Palmer L. P. & Sons
*Wright H. D.
HOLYOKE—McCormick David & Son
LANESVILLE—*Cheves Wm. R.
*Nickerson Wallace E.
LAWRENCE—Lawrence Granite Co.
LINWOOD—*Blanchard Bros. Granite Co.
LYNN—Merrill Geo. B. & Co.
MILFORD—Hutchings Geo. T.
Milford Pink Granite Co. (Quarriers of Building & Monumental Granite)
Victoria White Granite Co.
*Webb Pink Granite Co.
MONSON—*Flynt W. N. Granite Co.
QUINCY—Aberdeen Granite Works, West Quincy
Aberogwen Monumental Works
Ballou J. C.
Barnicoat Fred, South Quincy
Birnie & Diack, South Quincy
*Bishop Bros., Quarry Co.
Bishop Charles, South Quincy
Bishop R. & B.
Bishop Jos., South Quincy
Bizzozero E., West Quincy
Blue Hill Quarry Co., West Quincy
Callahan Wm.
Canniff W. C. & Co.
Casna J. & Co.
Clark & Pearce, South Quincy
Cole & Cole
Collins Thos. & Sons
Columbia Granite Works
Craig, Forbes & Co.
Cranch Hill Granite Works
Deacon Bros., South Quincy
Deacon Walter & Co., South Quincy
Deane A. M. & Co., South Quincy
Di Bona Luigi, West Quincy
Elcock & Sons, West Quincy
Empire Polishing Co., South Quincy
Falconer & Co.
Fanning P.
Fitzgerald D. F.
Fuller, Foley & Co., West Quincy
Glencoe Granite Co., West Quincy
Giordanni & Co.
Golbranson & Co., South Quincy
Granite Railway Co., West Quincy
Hardwick C. H. & Co.
Howie A. & Son
Hughes & Johnson
Igo Jno. & Co.
Jenkins Jas. H.
Joss Bros. Co.
Kavanagh Bros. Co., South Quincy
Kelley James F. & Sons Co.
Kemp Alex., South Quincy
Le Claire Marcisse & Co., West Quincy
Long & Saunders Co., South Quincy
McGrath Bros., South Quincy
McIntosh A. M. & Co., South Quincy
McLeod W. J. & Co.
Malnati A. & Co., South Quincy
Mannix Patrick W., West Quincy
Maravigli John & Co.
Marnock A. & Co., South Quincy
Miller J. L., South Quincy
Milne & Chalmers, South Quincy
Milne & Hector, South Quincy
Mitchell Polishing Co., South Quincy
Monahan Mc., West Quincy
Mundie A. & Sons Co.
Nicoll's Granite Works, South Quincy
Norfolk Granite Co.
Prout Bros., South Quincy
Qualey J. R. & Co., South Quincy
Quincy Avenue Granite Co.
Quincy Column Turning Co.
Quincy Quarries Co.
Reed & Vendret, South Quincy
Richards J. R., South Quincy
Shea William & Son, West Quincy
Smalley H. C. Granite Co.
Smith Granite Co.
Souden & Morrison, South Quincy
Spargo William T., South Quincy
Storer & Gelotte Co.
Swingle J. S.
Walker Joseph
White James N. & Sons, West Quincy
Zola Peter & Co.
ROCKPORT—*Rockport Granite Co.
UXBRIDGE—*Blanchard Bros. Granite Co.
WEST CHELMSFORD—Fletcher H. E. Co. (Grey & White)
WORCESTER—*Webb Pink Granite Co., Quarries: Milford, Mass.

MINNESOTA.

ROCKVILLE—*Rockville Granite Co.
ST. CLOUD—*Agate Granite Co.
*Benzie & Campbell
East St. Cloud Granite Co.
Erickson August & Co.
*Flaherty C. J. Granite Wks.
*Frick & Borwick Granite Co.
*Granite City Granite Co.
*Holes Bros. Co.
Jones S. A.
Melrose Granite Co.
Northwestern Granite Co.
Pioneer Granite Co.
*St. Cloud Granite Works
Salaski John
*Simmers & Campbell
United Granite Co.
SAUK CENTER—*Sauk Center Granite Co.
SAUK RAPIDS—Sauk Rapids Granite Co.

MISSOURI.

GRANITEVILLE — Schneiderville Granite Co.
Sheahan A. J. Granite Co.
KANSAS CITY—Rice Marshall H. Monument Co.
ST. JOSEPH—Abercrombie Stone Co.
Pfeiffer Stone Co.
ST. LOUIS—*Eyerman G. & Bro., 1216 S Grand av
Missouri Granite & Construction Co., 3410 Gratiot
St. Louis Contrg. Co., 4425 Clayton av

NEW HAMPSHIRE.

CONCORD—Clark F. R.
Concord Granite Co.
Duffy M. J.
Dunstane T. H.
*Fox Thomas
*Henneberry & Halligan
Langley & Scampini
Lapierre A. A. & Co.
Larson & Carlson
*New England Granite Works
New Hampshire Granite Co.
Perry Bros.
Swenson John Granite Co.
FITZWILLIAM DEPOT—Thompson E. M.
LANCASTER—Emerson & Bailey
MARLBORO—*Webb Granite & Construction Co.
MILFORD—Bergami F. Nicholas
Burnett Granite Co.
Caron Bros.
Columbia Granite Co.
Conti Bros.
*Daniels D. L. & Co.
*Kittredge Quarries
Lovejoy Granite Co.
*New Westerly Granite Co.
*Pease Co.
Rossi Bros. Co.
Tonella & Sons
Wark Jas.
Young's Sons & Co.
NASHUA—*Nashua Granite Co.
NORTH HAVERHILL—*Jesseman Granite Co.
REDSTONE—*Maine & N. H. Granite Corp.
ROCHESTER—*Hawkes E. M.
Smalley, Hobbs & Hunter
SUNCOOK—*Bailey Charles A.

NEW JERSEY.

NEWARK—Wyllie-Saylor Granite Co., 687 Central av

NEW YORK.

BUFFALO—*McDonnell & Sons, 855 Main
Maltby Geo. W. & Sons Co., 31 Maryland

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Hynes John, Bond & Union
Peirce J. / Co., Greenp't av & Newt'n creek

Boroughs of Manhattan and Bronx

NEW YORK—Annett & Bros., 12 W 141st
*Batterson J. G., 489 5th av
Batterson & Eisele, 101 Park av
*Booth Bros. & Hurricane Isle Granite Co. (Red, Grey & White), 208 B'way
Brown John & Sons, 240 E 141st
Cardo Bros. & Co., 3167 E Tremont av
Crotch Island Granite Co. (Quarries at Stonington, Me.), 26 Cortland, New York
*Dutton James E., 110 E 23rd
Harrison Granite Co., 200 5th av
Lenahan J. B. J., 140th & Rider av
Leopold J. & Co. (Granite Contractors), 233 Broadway
Le Poidevin A. & Co., 286 5th av
Milford Ping-Victoria White Granite Co., 405 Lexington av, New York
Penney & Bunt, Willow av. & 132d
Presbrey Coykendall Co., 861 Fifth av
Rockport Granite Co., 21 Park Row
Seagrist F. W. Jr. Co., 509 E 17th
*Tayntor C. E. Granite Co., 425 5th av
Wegenaar John L. Co., 41 Park Row
Williams B. A. & G. N. (Inc.), Walnut & 133rd
Woodbury Granite Co., 405 Lexington av

Borough of Queens.

ASTORIA—Tedeschi & Tedeschi, 632 Boulevard
LONG ISLAND CITY—Dyer John N. & Son
McGrath Michael & Co., B'way
McGratty & Sons Marble Works, 812 Butler
Neary Peter & Son Co., Blissville

(End of New York City)

PORT JERVIS—Nearpass E. E.

NORTH CAROLINA.

MOUNT AIRY—Lemmerman & Hoffman Granite Co.
Mount Airy Granite Cutting Co.
*North Carolina Granite Corp.
SALISBURY—*Harris C. J. Granite Quarries Co.

OHIO.

ADA—Ada Granite Co.
CINCINNATI—Cincinnati Granite Works, 4049 Spring Grove av
Sarvis W. H., 941 W 5th
CLYDE—Hughes Granite Co.
MANSFIELD—McBee Ladewich Co.
Preston Burton & Co. (Wholesale Granite Monuments)
Wolff E. M. & Co. (Dealers)
XENIA—Dodds Geo. & Sons Granite Co. (Monuments)
ZANESVILLE—Cary F. S. & Co.
Townsend W. C. & Co.

OREGON

PORTLAND—Schanen N. A. Marble Wks., MacAdam & Dakota
Standard Marble Granite & Stone Co., 1474 MacAdam

PENNSYLVANIA.

ALLENTOWN — Wenz Company, 1138 Hamilton
CORRY—Starr Granite & Marble Wks.
GETTYSBURG—*Lightner Nathaniel
GREENSBURG — Greensburg Granite & Marble Co.
PHILADELPHIA—*Birdsboro Stone Co., Land Title bldg
Gray Wm. & Sons Co., 36th, bel Walnut
Hagan John & Co., Comly ab, Del.
Hastings & Morrison, 1510 Wash'n av
Holmesburg Granite Co., Welch rd
Law & Burwell, Union & Ogden
Richardson & Ross Quarry Co., Penna bldg
PITTSBURGH—Booth & Flinn (Ltd.) (Ligonier), 1913 Forbes
Colwell Granite Co., Farmers' Bank bldg
ROSLYN—*Hillside Granite Co.
ST. PETERS—*French Creek Granite Co.
WEST GROVE—*Pennsylvania Marble & Granite Co.

RHODE ISLAND.

EAST PROVIDENCE—Chase Andrew B.
*McCormick Jos.
NEWPORT—Sweet E. F.

(Continued on following page)

Granite Producers, Workers & Dealers—Continued

RHODE ISLAND—Continued

PAWTUCKET—O'Connor Maurice M. & Son
PROVIDENCE—Barden Peter, 326 Cranston
Burns John Granite Co., 7 Duncan
Del Giudice A. & Son, 703 Atwells av
Kimball & Combe Co., 96 Westminster
Providence Granite Co., 125 Harris av
Richards John R., 977 N Main
Tingley & Co. (Polisher), 215 W Exch.
WESTERLY—Coduri Joseph Granite Co.
Columbia Granite Co.
*Crumb Quarry Co.
*Farrell Andrews & Sons
Flynn M. W.
*Gourlay Granite Works
*Murray Alex. & Co.
*New England Granite Works
*Smith Granite Co.

SOUTH CAROLINA.

COLUMBIA—Palmetto Quarries Co., Dept. H
Weston & Brooker Co., Dept. H
CORONACA—Coronaca **Granite Quarries**, Dept. H
EDGEFIELD—Southern Crushed Stone & Granite Co. (See Savannah, Ga.)
GREENVILLE—Butler Marble & Granite Works
LIBERTY—Beverly Stone & Sand Co., Dept., H
SPARTANBURG—*Southern Marble & Granite Co.
Winnsboro Granite Corp.

VERMONT.

BARRE—Anderson Freberg Co.
*Barclay Bros.
Barre Granite & Quarry Co.
Barre Medium Granite Co.
Batcheller E. J. *Co., Inc.
Beck & Beck (Polishing)
Bianchi Chas. & Sons
Bond Geo. E. & Co.
Boulerice Odilou, R. F. D., No. 4
Brown, Carroll & Co.
*Brusa Bros.
Bugbee E. A. Co.
Burke Bros.
Canton Bros.
Carswell, Wetmore & Co.
Central Granite Co.
*Chioldi Bros.
Cole Wm. & Son
Comolli & Co.
Corskie J. P. & Son
Dessereau & Co.
Dewey Column & Monumental Works
Freeman & Wasgatt
Gasparello Bros.
Gerrard Barclay Granite Co.
Giudici Bros. & Co.
Glysson Eugene C.
Hoyt & Milne, Inc.
Grearson & Lane Co.
Harrison Granite Co. (Monumental & Mausoleum). (See New York)
Johnson & Gustafson
*Jones Bros. Co.
La Clair & McNulty
Lillie Granite Co.
Littlejohn, Odgers & Milne
McColl & Abare
*McDonnell & Sons
McMillan C. W. & Son
*Marr & Gordon
Marrion & O'Leary
Martinson Estate Co.
Milne Alex. Granite Co.
Milne Wm. Granite Co.
Mutch & Loranger Granite Co.
Newcombe T. J.
North Barre Granite Co.
Oliver & Co.
Parnigoni Bros.
Parry & Jones Co.
Peerless Granite Co.
Rizzi Bros.
Rizzi L. G.
Robertson James C.
Robins Bros.
Ross & Ralph
Rossi & Casellini
Roux Granite Co.
Sanguinetti Augusto
Saporiti J. P. & Co.
Sector James & Co.
Shield Waldron & Co
*Smith E. L. & Co.
South Barre Granite Co., Inc.
Star Granite Co.
Straiton George
Sullivan Eugene & Son
Townsend W. C. & Co.
Valz Granite Co.
*Wells-Lamson Quarry Co.
Woodcock Bros.
Young Bros. Co.
BRATTLEBORO—*Grant Granite Co.
BURLINGTON—Burlington Granite Co.
Goodell Granite & Marble Co.
Johnson John W.
EAST BARRE—World Granite Co.
GRANITEVILLE—*Pirie James K.
HARDWICK—American Granite Co.
Crystal Brook Granite Co.
Eureka Granite Co.
*Fletcher E. R.
Hay John
Murch E. R.
*Woodbury Granite Co. ("Woodbury Gray," "Imperial Blue," "Vermont White," "Peerless White" & "Bethel White")
MONTPELIER—Arioli G. & Co.
Bianchi G. R. Granite Co.
Bonazzi & Bonazzi
Bowers R. C. Granite Co.
Callahan Timothy E.
Columbian Granite Co.
Doucette Bros.
Excelsior Granite Co.
Fraser Robert M.
Gill C. P. & Co.
Johnson Granite Co.
Jurras Granite Co.
Lillie Granite Co.
Mills & Co.
National Granite Co.
Poulin J. Granite Co.
*Wetmore & Morse Granite Co.
MORRISVILLE—Mould F. W.
Union Granite Co.
NORTHFIELD—*Cross Bros. Co.
Pelaggi N. & Co.
Phillips & Slack
RUTLAND—Everson & Co.
Temple Bros. (Wholesale)
ST. JOHNSBURY—Walker J. E.
SOUTH RYEGATE—Anderson A.
Farquharson Robert
MacDonald Murdo F.
SWANTON—Judd Walter S.
WATERBURY—Drew-Daniels Granite Co.
O'Clair C. L.
Perry Granite Co.
Union Granite Co.
WEBSTERVILLE—*Wetmore & Morse Granite Co.
WEST BERLIN—Provost & Son
WEST DUMMERSTON—*Lyons G. E. Granite Co.
WOODBURY—Woodbury Granite Co.

VIRGINIA.

PETERSBURG—Burns & Campbell
RICHMOND—Sunny Side Granite Co.
Wise Granite & Construction Co. (Pink & White)
*Wray Andrew J., 328 S Cherry

WISCONSIN.

ABLEMAN—*Wisconsin Granite Co.
BERLIN—*Wisconsin Granite Co. (See Chicago, Ill.)
GRANITE HEIGHTS—Anderson Bros. & Johnson **Co. (Wausau Red)**
*American Granite Co. (See Milwaukee)
LA CROSSE—La Crosse Monument Co.
LOHRVILLE — *American Granite Co. (see Milwaukee)
MARINETTE—*Pike River Granite Co.
MILWAUKEE—American Granite Co. (Wisconsin Mahogany), 15th & Cleveland av
Sutter H. Granite & Marble Co., 562 Muskego av
PLYMOUTH—Kegler G. F.
RACINE—*Portland Granite Co.
WAUSAU—*Marathon Granite Co.

5565— Granite (Seam Face)

Holmesburg Granite Co., Welch rd, Phila, Pa.
Matthews Construction Co., Princeton, N. J.
Middleburg Stone Co., Elyria, O.
Northern Coast Timber Co. (Red Cedar Posts), Tacoma, Wash.
Plymouth Seam Face Granite Co., 6 Beacon, Boston, Mass.
Riordan G. C. & Co., 313 Walnut

5565a— Granulators

Abbe Paul O. Inc. ("Abbebilt"),71A Murray, New York (Cork, Sugar, etc.),
See adv index at end of book
Abbe Engineering Co. (Sugar), 38 Church, New York
See adv index at end of book
Allis-Chalmers Mfg. Co. (Ball, Rod, Pebble, "Compeb," Ore, Rock, etc.), Milwaukee, Wis.
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Harry Brothers Co. (Sugar), Carrollton & I. C. R. R., New Orleans, La.
Squier Geo. L. Mfg. Co. (Sugar & Dryers), B'way & Mortimer, Buffalo, N. Y.

Graphophone Mfrs.

See Talking Machines

5566— Graphite

Acheson Graphite Co. (Electric Furnace, Graphite Electrodes & Powers), Niagara Falls, N. Y.
Baker H. J. & Bro. (Imp.), 31 Fulton, New York
Frost F. W. & Co. Inc. (Imp.), 56 Beaver, New York
Hill & Griffith Co., 1248 State av, Cincinnati, O. *See adv index at end of book*
Pacific Graphite Works, 40th & Linden, Oakland, Cal.
Permatex Co. Inc. ("Permatex"), Sheepshead Bay, N. Y.
Randall Graphite Products Corp. (Sheet Lubricator, "Randall"), 711H Fulton, Chicago, Ill.
Standard Graphite Co., 1812 S Flower, Los Angeles, Cal.
Superior Flake Graphite Co. ("Superflake"), 76 W Monroe, Chicago, Ill.
U. S. Graphite Co., Saginaw, Mich.

5567-71—Graphite (Miners' & Refiners')

Asbury Graphite Mills, Asbury, N. J.
Ashland Graphite Co., Ashland, Ala.
Bloomsbury Graphite Co., Bloomsbury, N. J.
Carbic Mfg. Co. (For Use in Welding), Duluth, Minn.
Clayton & Lambert Mfg. Co., 10565 Knodell av, Detroit, Mich.
Cummings-Moore Graphite Co., 670 Greene, Detroit, Mich.
Dixon Joseph Crucible Co., Jersey City, N. J.
Elk Graphite Milling Co. (Importers & Refiners), St. Marys, Pa.
Flake Graphite Corp. (Crystalline Flake), Montgomery, Ala.
HILL & GRIFFITH CO. (Refiners for all Purposes), 1248 State av, Cincinnati, Ohio *See adv index at end of book*
Kelly Graphite Mills (**"Kelco" Boiler & Foundry Graphite), 355 W 26th, New York**
Metal Package Corp of N. Y., 110 E 42nd, New York *See adv index at end of book*
Pacific Graphite Works (Refiners), 40th & Linden, Oakland, Cal.
PETTINOS CHAS., 25 Church, New York
Pettinos Geo. F., 701 Abbott bldg, Philadelphia, Pa.
Smith Facing & Supply Co. (Refiners), 1857 Carter rd, Cleveland, O.
Standard Graphite Co., 1812 S Flower, Los Angeles, Cal.
Superior Flake Graphite Co., 76 W Monroe, Chicago, Ill.
United States Graphite Co., **Saginaw, Mich.**
Wisconsin Graphite Co., **Stevens Point**, Wis.

5572-3-4—Graphite Products

Acheson Graphite Co. (Electric Furnace Graphite, Electrodes & Powers), Niagara Falls, N. Y.
Allen Crucible Co., Oakland, Cal.
Dixon Jos. Crucible Co. ("Dixon"), Jersey City, N. J.
Lorenzen Chas. F. & Co., 521 W Monroe Chicago, Ill.
Metal Package Corp of N. Y. (Pink), 110 E 42nd, New York
See adv index at end of book
Pacific Graphite Works, 40th & Linden, Oakland, Cal.
Superior Flake Graphite Co., 76 W Monroe, Chicago, Ill.
U. S. Graphite Co., Saginaw, Mich.

5575— Grate Bar Mfrs.

Acme Furnace Equipment Co. ("Acme"), 39 Cortlandt, New York
American Manganese Steel Co., Dept. H, 14th & State, Chicago Heights, Ill.
Armstrong Mfg. Co., Springfield, O.
Arnold-Creager Co., **New London, O.**
Auburn Foundry Corp. (**"Clear-Cut"**), Auburn, Ind.
Baker Wm. H. (**"National" Shaking**), Trenton, N. J.
Banner Iron Works, Shaw av & Oak Hill Ry, St. Louis, Mo.
Barker Jas. (**"Barker"**), **6th & Cayuga, Phila., Pa.**
BEGGS JAMES & CO. (Rocking & Dumping), 30 Warren, New York
See adv index at end of book

GRATES

Beggs Shaking and Cut-off

Beggs Dumping

Beggs Stationary

JAMES BEGGS & CO.
30 Warren Street
NEW YORK

Telephone 5040 Barclay

Borger Bros. Co., 257 W Spring, Columbus, O.
Bosworth-Ard Machine & Foundry Co., Anniston, Ala.
Bowler Foundry Co. ("Kerstine"), 1688 Columbus, Cleveland, O.
Bruce-Macbeth Engine Co. ("Aetna"), Cleveland, O.
Budd Grate Co. (Stationary), 2011 E Hagert, Phila, Pa.
Burr Co., Champaign, Ill.
Casey-Hedges Co. (Hollow Blast Shaking, etc), Chattanooga, Tenn.
Cherry Tree Machine Co., Cherry Tree, Pa.
Chickasaw Machine & Fdry. Co. ("Chickasaw" Hollow Blast), 298 N 2nd, Memphis, Tenn.
Columbus Iron Works, Columbus, Ga.
Continental Grate Co. (Shaking), 53 State, Boston, Mass.
Cyclone Grate Bar Co. ("Cyclone"), 9 Grimes, Buffalo, N. Y.
Daugherty Foundry Co. ("Tupper," "Adams" & Circle Grate for Vertical Boilers), Allentown, Pa.
David P. Co., Sharon bldg, San Francisco, Cal.
Decatur Cornice & Rfg. Co., New Decatur, Ala.
DeVed & Sons Sash Weight Co., 807 S Howard, Baltimore, Md.
Dobbie Foundry & Machine Co. ("Niagara" Shaking), Niagara Falls, N. Y.
See adv index at end of book
Donegan & Swift ("Swift's Economy"), 132 Nassau, New York
Dorrance Chas. J. ("Dorrance" Rocking), 53 W Jackson, Chicago, Ill.
Downey T. F. Boiler Wks., 2600 W. Grand av, Chicago, Ill.
Elkhart Iron Works ("Elkhart"), Elkhart, Ind.
Empire Grate Co., Chester, Pa.
Erie City Iron Works, Erie, Pa.
Farris Jos., Springfield, Ill.
Feld Geo. A. Co. (Boiler), 162 E 129th, New York
Finch Mfg. Co. (Pin Hole), Scranton, Pa.
Ferguson F. & Son, Hoboken, N. J.
Fox Benj. Sons, 513 W 34th, New York
Frost Mfg. Co. (Rocking, etc.), Galesburg, Ill.
Futrell Coupler Co., Inc. ("Patch" Rocking), Streator, Ill.
Gehl Bros. Mfg. Co., West Bend, Wis.
Glascock Stove & Mfg. Co., Greensboro, N. C.
GODFREY-KEELER CO. ("Mahony," All Kinds), 70 Warren, New York
Golden's Foundry & Machine Co., Columbus, Ga.
Gordon Hollow Blast Grate Co. ("Tuyere," Hollow Blast), Greenville, Mich.
Grace C. M., & Co., Huntsville, Ala.
Grainger & Co., Louisville, Ky.
GRANGER CO., A. D. (Rocking, Vulcan Dumping and Shaking), 17 Park Row, New York
See adv index at end of book
Hartley Boiler Works, Montgomery, Ala.
Heath Grate Bar Co., 333 Washington, Boston, Mass.
Heatherington & Berner, Indianapolis, Ind.
Helmick Foundry & Machine Co. (Furnace), Fairmont, W. Va.
Herrick Geo. S. ("Herrick"), Syracuse, N. Y.
Hill Clutch Machine & Foundry Co., W 65th, Cleveland, Ohio
Hofft M. A. Co. (Stoker), 814 Washington, Indianapolis, Ind.
Hulson Grate Co. ("Hulson"), 211 Johnson, Keokuk, Iowa
Indiana Foundry Co., Dept. H, Indiana, Pa.
International Engineering Works ("MacDonald" Shaking), Framingham, Mass.
Iron City Grate Bar Co., Warren, O.
Janney & Co., Montgomery, Ala.
Jarvis Engng. Co. (Sheffield), 261 Franklin, Boston, Mass.
Kahl Fredk. Iron Foundry, 2111 E. Atwater, Detroit, Mich.
Keeler E. Co., 288 West st, Williamsport, Pa.
Kelly Foundry & Machine Co. ("Kelly"), Goshen, Ind.
Kewanee Boiler Co. ("Aetna"), Kewanee, Ill.
Kramer Bros. Foundry Co. ("Lo-Co"), Dayton, O.
KUTZTOWN FOUNDRY & MACHINE CO., 1421 Chestnut, Phila., Pa.
See adv index at end of book
Lilly Bros. Foundry, 2268 E 15th, Los Angeles, Cal.
Litchfield Foundry & Machine Co., Litchfield, Ill.
Long Grate Bar Co., White bldg, Buffalo, N. Y.
Los Angeles Fdry. Co., Los Angeles, Cal.
Love Bros., Aurora, Ill.
Love Mfg. Co., Corry, Pa.
McClave-Brooks Co. ("McClave" Shaking), Poplar st, Scranton, Pa.
McGee Jos. Iron & Brass Foundry Co., 51 6th, Long Island City, N. Y.
McNaughton Mfg. Co. (Sectional), Maryville, Tenn.
Macknet Grate Bar Co., 32 Nassau, New York
Madison Foundry Co., Cleveland, O.
Marion Machine Foundry & Supply Co., Marion, Ind.
Marshall Foundry Co., 28th & R. R., Pittsburgh, Pa.
Martin Grate Co. ("Martin," Anti-Friction Rocking), Fisher bldg, Chicago, Ill.
Mechanics' Iron Foundry Co. ("Bannister"), 38 Kemble, Rox, Boston, Mass.
Mershon Patent Shaking Grate Works, 5750 Westminster, Philadelphia, Pa.
Mesker Geo. L. & Co., Evansville, Ind.
Meyer Otto C. & Co., 30 Franklin, Brooklyn, N. Y.
Morse R. F. Co. (Shaking & Dumping Grates), 86 Weybosset, Providence, R. I.
Morrisville Fdry. Co. ("Uncle Sam," "Eureka" Plane Boiler), Morrisville, Vt.
Munroe R. & Sons Mfg. Corp., 23d & Smallman, Pittsburgh, Pa.
Murray Iron Works Co. (Plain & Rocking), Central av & Washington, Burlington, Ia.
National Foundry Mfg. & Supply Co. ("National"), Williamsport, Pa.
Neemes Bros. (Self Cleaning), Troy, N. Y.
New Bern Iron Works & Supply Co., New Bern, N. C.
New England Roller Grate Co. (All Types), Springfield, Mass.
Niver Iron Works Co., Muscatine, Ia.
Nute, McGehee, Geary Co. (Rocking), Dept. H, Chambersburg, Pa.
Oil City Iron Works, Corsicana, Texas
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Old Dominion Marine Ry. Corp., Berkley, Va.
Parson Mfg. Co., 535 Livingston, New York
Pekor Iron Wks., Columbus, Ga.
Penn Foundry & Mfg. Co. (Boiler), Wyomissing, Reading, Pa.
Pennsylvania Boiler Wks., Export Dept., 43 Cedar, New York
Perfection Grate & Supply Co., Springfield, Mass.
Portland Co., Portland, Me.
Price-Evans Foundry Co., Anderson av, Chattanooga, Tenn.
Quinn & Co., 1347 Harrison av, Cincinnati, Ohio
Rider Wm. E. & Co. ("Mansfield"), Mansfield, Mass.
Rincon Foundry Co. (Cast Iron), 351 7th San Francisco, Cal.
Roanoke Iron & Bridge Wks., Inc., Roanoke, Va.
Robson C. & Co. ("Tupper" "Ajax" Rocking), 8th & Washington, Phila., Pa.
Rose Patent Grate Co., Council Bluffs, Ia.
Rosedale Foundry & Machine Co. ("Playford," "Pittsburgh"), Columbus & Preble, Pittsburgh, Pa.
Rothe Jos. F. Foundry Co. (Shaking), Green Bay, Wis.
Russell Fdry & Mach. Works, 51 6th, Long Island City, N. Y.
Rutzler Enoch Co., 404 E 49th, New York
Salamander Grate Bar Co. ("Salamander," "Aetna," "Steele," "Ryder" & "Rogers"), 39 Cortlandt, New York
Scranton Pump Co. (Dumping), Dept. H, Scranton, Pa.
Shear-Klean Grate Co., Monadnock bldg, Chicago, Ill.
Smith Iron Foundry, Inc., Lynn, Mass.
Southern Boiler & Tank Works, 1275 Thomas, Memphis, Tenn.
Southern Electro Steel Co. Inc., Lynchburg, Va.
Sprague Foundry & Mfg. Co. ("Rose Patent"), Council Bluffs, Ia.
Springfield Boiler Co., Springfield, Ill.
Stowell The ("Hall's" Patent), S Milwaukee, Wis.
Stuart Foundry Co., 138 Junction, Detroit, Mich.
Superior Iron Works Co., Superior, Wis.
Thacher Propeller & Foundry Corp. ("Albany" Sectional Dumping; also Stationary), Albany, N. Y.
Thomas Grate Bar Co. ("Thomas," "Elliptic," "W. S. D." & "Impervious"), Birmingham, Ala.
Toledo Foundry & Machine Co., Toledo, O.
TOWNSEND FOUNDRY & MACHINE SHOP CO., B'way & Rensselaer, Albany, N. Y.
See adv index at end of book
Treadwell M. H. Co. ("Treadwell" Shaking, etc.), 140 Cedar, New York
Treadwell M. H. Co. of Ill. ("Treadwell"), 208 S LaSalle, Chicago, Ill.
Tuscaloosa Iron Works, Tuscaloosa, Ala.
United Iron Works Co., Inc. (Plain, Hollow, Blast & Rocking), Kansas City, Mo.
United States Hdwe. & Mfg. Co. (Single & Double & Herring Bone), 16H Warren av, Pawtucket, R. I.
U. S. Rocking Grate Bar Co., 2325 W Harrison blvd, Chicago, Ill.
Variety Iron & Steel Works Co., Cleveland, O.
Vogt Bros. Mfg. Co., Louisville, Ky.
Vogt Henry Machine Co., Inc. ("Vogt" Rocking & Dumping), Louisville, Ky.
Wallwork H. Foundry Co., Birmingham, Ala.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Walton C. J. & Son, Louisville, Ky.
Washburn & Granger ("Dean"), 50 Church, New York
Water Arch Furnace Co., 38 S Dearborn, Chicago, Ill.
Watts Regulator Co. ("Watts" Shaking Stationary & Reciprocating), Lawrence, Mass.
Western Iron & Foundry Co., Wichita, Kans.
Woburn Iron Foundry, Inc. ("Foster" Shaking & Rocking), Woburn, Mass.

5576— Grate Settings

MAURER HENRY & SON ("Liverpool"), 420 E 23rd, New York
See adv index at end of book

Graters (Apple)

See Apple Grating Machines

5577—Graters (Horse Radish)

Central Stamping Co. ("Puritan" Hand), 206 B'way, New York
Hamilton Metal Products Co., Hamilton, Ohio.
Houchin Thos. W. (Revolving), 393 Broadway, New York
Kelso & Co., 557 W Quincy, Chicago, Ill.
National Enameling & Stamping Co. (Hand), 411 5th av, New York
Schroeter's Bros. Hardware Co. ("Schroeter's Power), 810 Wash av, St. Louis, Mo.
Smith's Jno. E. Sons Co., Buffalo, N. Y.

5578— Graters (Nutmeg)

Caldwell Mfg. Co. ("Gem"), Rochester, N. Y.
Edgar Mfg. Co., Reading, Mass.
Geuder, Paeschke & Frey Co., 1314-1796 St. Paul, Milwaukee, Wis.
See adv index at end of book
Hamblin & Russell Mfg. Co. ("Unique" "New Rapid"), 28 Water, Worcester, Mass.
Hamilton Metal Products Co., Hamilton, Ohio.
Handy Things Mfg. Co., Ludington, Mich.

5579— Grates (Cellar)

Amos Chas. & Co., Inc., 3000 Hart av., Detroit, Mich.
Cincinnati Iron Fence Co., 3300 Spring Grove av, Cincinnati, Ohio.
Decatur Cornice & Roofing Co., New Decatur, Ala.
Donley Bros. Co. (The), 13935 Miles av, Cleveland, Ohio
See adv index at end of book
Glascock Stove & Mfg. Co. (Cast Iron), Greensboro, N. C.
Indiana Foundry Co., Dept. H, Indiana, Pa.
International Steel & Iron Co., Inc. (Steel), 1243 Edgar, Evansville, Ind.
Mack Iron & Wire Wks, Sandusky, O.
Majestic Co., Huntington, Ind.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Roanoke Iron & Bridge Wks., Inc., Roanoke, Va.

Grates (Dumping)

See Grate Bar Mfrs.

5580—Grates, Fenders & Mantels

See Also Andirons, Fenders & Grates
See also Fireplace Furnishings

Donley Bros. Co. (The), (Fire Baskets), 13935 Miles av, Cleveland, Ohio
See adv index at end of book
JACKSON EDWIN A. & BRO., Inc., 50 Beekman, New York.
See adv index at end of book
Northcross W. J. Mantel & Grate Co., 411H Madison av, Memphis, Tenn.
Richardson E. H. (Fireplace Mantels), 77H O'Farrel, San Francisco, Cal.

5581— Grates (Gas, Parlor)

American Stove Co. ("Reliable," "New Process," "Quick Comfort"), 827 Chouteau av, St. Louis Mo.
Colonial Fireplace Co. ("Colonial"), 4619H Roosevelt rd, Chicago, Ill.
Dawson Bros., 523 N Halsted, Chicago, Ill.
JACKSON EDWIN A. & BRO., INC. (& Electric), 50 Beekman, New York
See adv index at end of book
Penna Furnace & Iron Co., 373 Pine, Warren, Pa. *See adv index at end of book*
Van Zandt Gas Appliance Co., 4050 Olive, St. Louis, Mo.

Grates (Hollow Blast)

See Grate Bar Manufacturers

5582— Grates (Portable)

See Fire Place Furnishings Mfrs.

Boyle Mfg. Co. ("Boyco"), Los Angeles, Cal.
Richmond Stove Co., 3506 E. Main, Richmond, Va.

Grates (Rocking)

See Grate Bar Manufacturers with word "Rocking" following names

5583—Grates (Shaking & Dumping)

See also Grate Bar Manufacturers

BEGGS JAMES & CO., 30 Warren, New York *See adv index at end of book*

Cokal Stoker Corp. (Shaking), 1039 N Clark, Chicago, Ill.

Downey T. F. Boiler Works, 2600 W. Grand av, Chicago, Ill.

GODFREY-KEELER CO. ("Mahony"), 70 Warren, New York

Granger Co., A. D., 17 Park Row, New York *See adv index at end of book*

Indiana Foundry Co., Dept. H, Indiana, Pa.

Janney & Co., Montgomery, Ala.

Kelly F'dry. & Machy. Co., 614 9th, Goshen, Ind.

Kramer Bros. Foundry Co., 55 Dell, Dayton, O.

McClave Brooks Co. ("McClave" Shaking), Scranton, Pa.

Marion Machine Foundry & Supply Co. ("Marion"), Marion, Ind.

Murray Iron Works Co., Burlington, Iowa

Nute, McGehee, Geary Co., Broad, Chambersburg, Pa.

Power Efficiency Corp., White bldg, Buffalo, N. Y.

Shevlin Engng. Co., Inc., 259 W 34th, New York

Travis G. E., Henry, Ill.

5584—Grates (Traveling Link)

BABCOCK & WILCOX CO. (THE), 85 Liberty, New York

Combustion Engng. Corp. ("Grieve"), 43 Broad, New York

Coxe Traveling Grate Co., 43 Broad, New York

Illinois Stoker Co., Alton, Ill.

Indiana Foundry Co., Dept. H, Indiana, Pa.

5584a—*Grates (Exterior Wall, Ventilating)

Donley Bros. Co. (The), ("Donley"), 13935 Miles av, Cleveland, Ohio *See adv index at end of book*

5585—Grates (Ventilating, Fireplace)

Colonial Fireplace Co. ("Colonial"), 4619H Roosevelt rd, Chicago, Ill.

JACKSON EDWIN A. & BRO., INC., 50 Beekman, New York *See adv index at end of book*

Lilly Bros. Foundry (Floor & Wall Plates), 2268 E 15th, Los Angeles, Cal.

5586—Grates & Rests (Farmers', Etc.)

Sperry D. R. & Co., Batavia, Ill.

5586a—Gratings (Iron & Steel)

American Abrasive Metals Co. ("Feralun"), 50 Church, New York

Canton Foundry & Machine Co., Canton, Ohio

CINCINNATI IRON FENCE CO., 3312 Spring Grove av, Cincinnati, Ohio *See adv index at end of book*

Clow Jas. B. & Sons, 534 S Franklin, Chicago, Ill.

Donley Bros. Co. (The), 13935 Miles av, Cleveland, Ohio *See adv index at end of book*

Dow Co. (Area), 201H N Buchanan, Louisville, Ky.

Granger Co., A. D., 17 Park Row, New York *See adv index at end of book*

Irving Iron Works Co. ("Subway"), 3rd & Creek, Long Island City, N. Y.

Johnson & Thompson, 2716 N 26th, Birmingham, Ala.

Michel & Pfeffer Iron Works, 1417 Harrison, San Francisco, Cal.

MITCHELL-TAPPEN CO ("Mitco" Interlocked), 15 John, New York

Mott J. L. Iron Works, Trenton, N. J.

Portland Bolt & Mfg. Co., 210 N 14th, Portland, Ore.

Roanoke Iron & Bridge Wks., Inc., Roanoke, Va.

Smith A. L. Iron Works, Inc. ("A. L. S. I. W. O."), Chelsea, Mass.

Starke's Dixie Plow Works, Inc. (Sewer), 1518 E Cary, Richmond, Va.

Vilsack, Martin Co. (Iron), 3223 Penn av, Pittsburgh, Pa.

Wisconsin Iron & Wire Wks., Milwaukee, Wis.

Wrobbel-Maine Co. (The), 3106 E 63rd, Cleveland, Ohio

5587— Gravel (Bird)

Horton F. T., Hoboken, N. J.

5588—Gravel Washing & Screening Plants

Buckbee J. C. Co., 38 S Dearborn, Chicago, Ill.

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*

SMITH ENGINEERING WKS., 1154 32nd, Milwaukee, Wis.

Stocker Material Washer Co., Highland, Ill.

Stephens-Adamson Mfg. Co. (Complete Washing Plants), Aurora, Ill.

WEBSTER MFG. CO., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

5589— *Grease (Airoilene)

CHICAGO PNEUMATIC TOOL CO., 6 E. 44th, New York *See adv index at end of book*

5590—Grease (Cable & Elevator Shaft)

Acheson Graphite Co. ("Gredag"), Niagara Falls, N. Y.

Climax Refining Co. ("Cable Compound"), Williamson bldg, Cleveland, O.

Cook & Swan Co. Inc., 148 Front, New York

Cook's Adam Sons, 708H Washington, New York

Dixon Joseph Crucible Co., Jersey City, N. J.

Hi-Test Lubricant Co. ("Merlo Hi-Test"), 333 Folsom, San Francisco, Cal.

Ironsides Co., H, Hartman bldg, Columbus, O.

Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.

National Refining Co., Rose bldg, Cleveland O.

Standard Oil Co., 225 Bush, San Francisco, Cal.

Texas Company, The ("Texaco Crater" prevents rust and wear), Dept. D., 17 Battery pl, New York *See adv index at end of book*

United States Graphite Co., Saginaw, Mich.

Waverly Oil Works Co., 54th & A. V. R. R., Pittsburgh, Pa.

Grease Cups

See Lubricators, Oil & Grease Cup
Also Lubricators, Automobile
Also Lubricators, Gas Engine, etc

5591-2— Grease (Gear)

Acheson Graphite Co. ("Gredag"), Niagara Falls, N. Y.

Associated Oil Co., 79 New Montgomery, San Francisco, Cal.

Climax Refining Co., Williamson Bldg., Cleveland, O.

Cook & Swan Co. Inc., 148 Front, New York

Cook's Adam Sons, 708H Washington, New York

Dixon Joseph Crucible Co., Jersey City, N. J.

Hi-Test Lubricant Co. ("Merlo-Hi-Test"), 333 Folsom, San Francisco, Cal.

Ironsides Co., 395-7 Broad, Columbus, Ohio

Marshall Oil Co. of Iowa ("Rix" Cork Graphite), Marshalltown, Ia.

Standard Oil Co., 225 Bush, San Francisco, Cal.

Swan & Finch Co. ("Victor," "Monarch," "Seba"), 522 5th av, New York

TEXAS COMPANY, THE ("Texaco Crater" & "Thuban" stops gear noise and wear), Dept. H R, 17 Battery pl, New York *See adv index at end of book*

United States Graphite Co., Saginaw, Mich.

Waverly Oil Works Co., 54th & A. V. R. R., Pittsburgh, Pa.

Grease Guns

See Oil & Grease Guns & Syringes

5593— Grease (Rolling Mill)

Acheson Graphite Co. ("Gredag"), Niagara Falls, N. Y.

Cook & Swan Co., Inc., 140 Front, New York

Cook's Adam Sons, 708H Washington, New York

Ironsides Co., 395-7 Broad, Columbus, Ohio

Texas Company, The, Dept. D, 17 Battery pl, New York *See adv index at end of book*

Waverly Oil Works Co., 54th & A. V. R. R., Pittsburgh, Pa.

5594— Grease (Tanners')

Cook & Swan Co. Inc., 148 Front, New York

Marden, Orth & Hastings Co., 136 Liberty, New York

Martin-Dennis Co., 359 Summer av, Newark, N. J.

National Oil Products Co., Harrison, N. J.

Reisig Chas. H. (Imported), 269 Water, New York

Swan, Alden S. & Co., 148H Front, New York

5595—Grease (Wire Drawing)

Climax Refining Co., Williamson Bldg., Cleveland, O.

Cook & Swan Co. Inc., 148 Front, New York

Houghton E. F. & Co., 240 W Somerset, Phila., Pa.

Sonneborn L. Sons ("Amalie"), 114 5th av, New York

Texas Company, The, Dept. D, 17 Battery pl, New York *See adv index at end of book*

Waverly Oil Works Co., 54th & A. V. R. R., Pittsburgh, Pa.

Grease (Wool)

See Degras

5595a—Greases (Lubricating & Special)

See also Lubricating Oils & Greases

Acheson Graphite Co. ("Gredag"), Niagara Falls, N. Y.

Cook & Swan Co. Inc., 148 Front, New York

Cook's Adam Sons, 708H Washington, New York

Fergusson Alex C., Jr., 474 Chestnut, Phila. Pa. *See adv index at end of book*

TEXAS COMPANY, THE (There's a Texaco Lubricant for Every Purpose), Dept. D, 17 Battery pl, New York *See adv index at end of book*

U. S. Graphite Co., Saginaw, Mich.

Waverly Oil Works Co., 54th & A. V. R. R., Pittsburgh, Pa.

5596—Greases & Oils (Axle)

American Oil Corp. ("Advance"), Jackson, Mich.

Aspinwall Geo. H., Inc., Cornelison av, Jersey City, N. J.

Associated Oil Co., 79 New Montgomery, San Francisco, Cal.

Atlantic Refining Co., 3144 Passyunk av, Phila., Pa.

Baum's Castorine Co. ("Castorine" Axle Oil), Rome, N. Y.

Brooks Oil Co., C & P & Erie R R, Cleveland, O.

Buck E. A. & Co., Willimantic, Conn.

Canfield Oil Co., 3210 E 55th, Cleveland, O.

Cook & Swan Co. Inc., 148 Front, New York

Cook's Adam Sons, 708H Washington, New York

Cortland Specialty Co. (Dirs.), Cortland, N. Y.

Dixon Joseph Crucible Co. ("Dixon's" Graphite), Jersey City, N. J.

Fergusson Alex. C., Jr., 474 Chestnut, Phila. Pa. *See adv index at end of book*

Fiske Bros. Refining Co., 24 State, New York

Frazer Lubricator Co. ("Frazer"), 3921 Normal av, Chicago, Ill.

Freedom Oil Works Co., Freedom, Pa.

Great Western Oil Co. ("Great Western"), 2846 E 37th, Cleveland, O.

Harris A. W. Oil Co., 326 S Water, Providence, R. I.

Henle S., Inc., 8 Bridge, New York

Herrmann Jos. F & Co., Fisher bldg, Chicago, Ill.

Heule S. Inc., 23 Beaver, New York

Houghton E. F. & Co., 240 W Somerset, Phila., Pa.

Ilsley, Doubleday & Co., 229 Front, New York

Indian Refining Co. ("Blue Grass," Dark or Light), 244 Madison av, New York

Marshall Oil Co. of Iowa ("Rex" Graphite), Marshalltown, Ia.

Moore Oil Co. (For Jobbing Trade Only), York & McLean av, Cincinnati, O.

National Refining Co., Rose bldg., Cleveland, O.

Nye Wm. F. (Oils), New Bedford, Mass.

Paragon Refining Co., Toledo, O.

Pierce Oil Corp., Bank of Com. bldg, St. Louis, Mo.

Richardson Lubricating Co., Quincy, Ill.

Sinclair Refining Co. ("Four Bros." "U-Au-To"), Albany, N. Y.

Smith & Nichols, 121 Maiden la, New York

Sonneborn's L. Sons ("Amalie"), 114 5th av, New York

Standard Oil Co., 225 Bush, San Francisco, Cal.

Standard Oil Co. of N. J., 26 B'way, New York

Standard Oil Co. of New York ("Mica"), 555 W 25th, New York

Sun Co., 1240 H Finance bldg, Phila., Pa.

Swan & Finch Co., 522 5th av, New York

Texas Company, The ("Texaco"), Dept. H R, 17 Battery pl, New York *See adv index at end of book*

United States Graphite Co., Saginaw, Mich.

Vacuum Oil Co. ("Gargoyle" "Mobiloils" "Mobilubricant"), 61 B'way, New York

Waverly Oil Works Co., 54th & A. V. R. R., Pittsburgh, Pa.

Winn Wm. R. (Jobbers), New York

World Refining Co. ("Phillips' World," "Black Diamond"), Easton, Pa.

Zurn O. F. Co. ("Zurn's"), Broad & Lehigh, Phila., Pa

5597— Greenhouse Materials

See also Sash, Greenhouse & Hot Bed

American Blower Co. (Traps), 6004 Russell, Detroit, Mich.

Baur Window Glass Co., Eaton, Ind.

Hitchings & Co., Dept. H, Spring, Elizabeth, N. J.

Jacobs S. & Sons, 1365 Flushing av, Brooklyn, N. Y.

King Construction Co., N Tonowanda, N. Y.

Lord & Burnham Co., 10 E 43d, New York

Lutton William H. Co., Jersey City, N. J.
Metropolitan Material Co., 1335 Flushing av, Brooklyn, N. Y.
Selden Cypress Door Co., Palatka, Fla.
STEARNS A. T. LUMBER CO., 100 Taylor, Boston, Mass.
See adv index at end of book
Struck Construction Co., Garden, Louisville, Ky.
Thomson Planing Mill Co., 1700 S. Vandeventer av, St. Louis, Mo.

5598—Greenhouses, Conservatories & Hot Houses

Amos Chas. & Co., Inc., 300 Hart av, Detroit, Mich.
Bickelhaupt Geo. Skylight Works, 722 11th av, New York
Dietsch Co., 2640 Sheffield av, Chicago, Ill.
Foley Greenhouse Mfg. Co., 3260 W. 31st, Chicago, Ill.
Hitchings & Co., Dept. H, Spring, Elizabeth, N. J.
Jacobs S. & Sons, 1365 Flushing av, Brooklyn, N. Y.
King Construction Co., N Tonawanda, N. Y.
King Contracting Co., 131 State, Boston, Mass.
Lord & Burnham Co., 30 E 42d, New York
Lutton William H. Co., Jersey City, N. J.
Scollay John A. (Est. of), 74 Myrtle av, Brooklyn, N. Y.

5599— Grenades (Hand)

See also Extinguishers, Fire

Hayward S. F. & Co., 250 W 54th, New York
Stahl Geo. H., Quincy, Ill.
Wilson Thos. E. & Co., 727 N Sangamon, Chicago, Ill.

5600—Griddles (Cast Iron, Stamped Steel, Etc.)

Cleveland Stamping & Tool Co. (Bailed & Handled), E 53d & Hamilton, Cleveland, O.
Crane Wm. M. Co. ("Vulcan"), 18 E 41st, New York
Favorite Stove & Range Co., Piqua, O.
Griswold Mfg. Co. (Aluminum Plates), 12th & Raspberry, Erie, Pa.
Lalance & Grosjean Mfg. Co. (Cake), 299 B'way, New York
National Enameling & Stamping Co. (Cake)), 411 5th av, New York
New York Stamping Co. ("Empire" Steel), N 11th & Berry, Brooklyn, N. Y.
Stuart & Peterson Co. (Polished Cast Iron), Burlington, N. J.
Wagner Mfg. Co. ("Wagner Ware"), Sidney, O.
Wheeling Corrugating Co. (Stamped Steel Only), Wheeling, W. Va.

5601— Griddles (Electric)

American Electrical Heater Co. ("American Beauty"), Burroughs & Woodward av, Detroit, Mich.
Majestic Elec. Appliance Co. ("Majestic"), 590 Folsom, San Francisco, Cal.
Simplex Electric Heating Co. ("Simplex"), Cambridge, Mass

5602— Griddles (Soapstone)

Alberene Stone Co., 153 W 23rd, New York
Phoenix Soapstone Co., 71 Murray, New York
Pike Mfg. Co., Pike, N. H.
Union Soapstone Co., 14 Marshall, Boston, Mass.
Vermont Soapstone Co., Perkinsville, Vt.

5603—Grille, Fret & Lattice Work (Wood)

See also Grille & Fret Work, for the Trade Only

American Parquetry Floor Co., 802 Bailey bldg, Phila., Pa.
American Sash & Door Co. (Wholesale Mfrs.), 16th & Bellefontaine, Kansas City, Mo.
Architectural Decorating Co., 1600 S Jefferson, Chicago, Ill.
Auer Register Co., 3600 Payne av, Cleveland, Ohio
Bertelsen Adjustable Grille Co., 2117 S Troy, Chicago, Ill.
Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
Bossert Louis & Son, 1335 Grand, Brooklyn, N. Y.
Boynton & Co., 1725 Dickson, Chicago, Ill.
Buffalo Grille Co., 270 Court, Buffalo, N. Y.
Carr, Ryder & Adams Co. (Wholesale Mfrs.), Dubuque, Ia.
Chapman Wm. O. Co., 30 Church, New York
Cleveland Hardwood Floor Co., Cleveland, O.
Columbus Wire & Iron Works Co. (& Window Guards, etc), Columbus, O.
Curtis Bros. & Co., Clinton, Ia.
ESTES E. B. & SONS (Wood), 364 5th av, New York *See adv index at end of book*
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Hart & Cooley Co., Inc., New Britain, Conn.
Heaton S. W., 1802 Chestnut, Phila., Pa.
Highton Wm. & Sons Co. (Brass, Bronze, Cast Iron & Steel), Nashua, N. H.
Huttig Mill Wk Co., Kansas City, Mo.
Hyde-Murphy Co., Ridgeway, Pa.
Inlaid Floor Co., 600 Alabama & 4067 Notts st, Emeryville, Cal.
Jelliff C. O. Mfg. Corp., Box 68, Southport, Conn.
Lorenzen Chas. F. & Co., 105 N Clark, Chicago, Ill.
McKay Angus Co., 734 S Desplaines, Chicago, Ill.
Nedrow Mfg. Co., Caledonia, N. Y.
Nelson Chas. 1939 W Lake, Chicago, Ill.
New York Carved Moulding Co., 256 E 139th, New York
Pasadena Mfg. Co., Pasadena, Cal.
Stewart G. S. Co. (Grills & Fret only), Norwalk, O.
Syracuse Screen & Grille Co., North Manchester, Ind.
Tuttle & Bailey Mfg. Co., 2 W. 45th, New York
Waddell Mfg. Co., Grand Rapids, Mich.

5604—Grille or Fret Work (for the Trade Only)

Anchor Post Iron Works, 50 Church, New York *See adv index at end of book*
Buffalo Grille Co., 270 Court, Buffalo, N. Y.
Chicago Millwork Supply Co., 1404 W. 37th, Chicago, Ill.
Curtis Bros. & Co. (Wholesale Mfrs.), Clinton, Ia.
Curtis, Towle & Paine Co., Lincoln, Neb.
Curtis & Yale Co., Wausau, Wis.
Gould Mfg. Co., Oshkosh, Wis.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

5605—Grilles (Brass & Bronze)

See also Bank & Offices Railings

Anchor Post Iron Wks., 50 Church, N. Y
See adv index at end of book
Art Metal Co., 1640 N Spring, Los Angeles, Cal.
Art Metal Construction Co. (also Steel), Jamestown, N. Y.
Auer Register Co., 3608H Payne av, Cleveland, Ohio
Badger Wire & Iron Works, 25th av & Cleveland, Milwaukee, Wis.
Barnum E. T. Wire & Iron Works, 511-23 Cass av, Detroit, Mich.
Barshal Co., 2031 Euclid av, Cleveland, O.
Bayer-Rothgeb Co., Slauson & Santa Fe avs, Los Angeles, Cal.
BUFFALO WIRE WORKS CO., 453 Terrace, Buffalo, N. Y.
See adv index at end of book
California Artistic Metal & Wire Co., 343 7th, San Francisco, Cal.
Cincinnati Mfg. Co., Cincinnati, O.
Dahlstrom Metallic Door Co., 413 Buffalo Jamestown, N. Y.
Dow Co., 201H N Buchanan, Louisville Ky.
Estey Bros. Co., 270 Union av, Brooklyn, N. Y.
Feeley W. J. Co., 169 S. Angell, Providence, R. I.
Gorham Co. Arch'l Bronze, 5th av & 36th, New York. Works: Providence, R. I.
Hanke Iron & Wire Works, 800 N. Albany av, Chicago, Ill.
Hart & Cooley Co., Inc., New Britain, Conn.
Heath J. S. Co., Franklin & Ontario Chicago, Ill.
Highton Wm & Sons Co., Nashua, N. H.
Howard & Morse, 45 Fulton, New York
Illinois Bronze & Stamping Co., 917 S Keeler av, Chicago
Jelliff C. O. Mfg. Corp., Box 68, Southport Conn.
Johnson-Meier Co. (and Ornamental), 180 Wendell, Chicago, Ill.
Kane Mfg. Co., Kane, Pa.
Manton & Smith Co., 3333 W Grand av Chicago, Ill.
Meyers Fred H. Mfg. Co., Hamilton, Ohio
Michael's Art Bronze Co., Covington, Ky
Nedrow Mfg. Co., Caledonia, N. Y.
NEWMAN MFG. CO., 420 Elm, Cincinnati Ohio
Pitt Wm. R, Composite Iron Wks., 543 W 27th, New York
Polachek John Bronze & Iron Co., 476H Hancock, Long Island City, N. Y.
Rochester Brass & Wire Works, 76H Exchange, Rochester, N. Y.
SMITH F. P. WIRE & IRON WORKS 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Sutton W. A. & Co., 926 N. 19th, Phila. Pa.
Tuttle & Bailey Mfg. Co., 2 W. 45th, New York
TYLER W. S. CO., Cleveland, O., & 200 5th av, New York
See adv index at end of book
West Coast Wire & Iron Works, 861 Howard, San Francisco, Cal.
Wickwire Spencer Steel Corp., 41 E 42nd New York *See adv index at end of book*
Wisconsin Iron & Wire Wks., Milwaukee, Wis.
WROBBEL-MAINE CO. (THE), 3106 E 63rd, Cleveland, O.
See adv index at end of book

5605a— Grilles (Cast Iron)

Bayer-Rothgeb Co., Los Angeles, Cal.
Bethlehem Fence Works, Bethlehem, Pa.
Buckeye Blower Co., 425 W Town, Columbus, Ohio
See adv index at end of book
Highton Wm. & Sons Co., Nashua, N. H.
Tuttle & Bailey Mfg. Co., 2 W. 45th, New York
Wisconsin Iron & Wire Works, Milwaukee, Wis.

5605b—Grilles (Perforated Metal)

Auer Register Co., 3600 Payne av, Cleveland, Ohio
Buckeye Blower Co., 425 W Town, Columbus, Ohio
See adv index at end of book
ERDLE PERFORATING CO., 171 York, Rochester, N. Y.
See adv index at end of book
HARRINGTON & KING PERFORATING CO., 5636 Fillmore, Chicago, Ill.
Rochester Brass & Wire Works, 76H Exchange, Rochester, N. Y.
Scranton Iron & Steel Co., Scranton, Pa.

5606—Grilles (Wrought Iron & Steel)

See also Iron (Architectural & Ornamental)

Acme Fence & Iron Co., 3502H Lake av, Cleveland, Ohio
Auer Register Co., 3600 Payne av, Cleveland, Ohio
Badger Wire & Iron Works, 25th av. & Cleveland, Milwaukee Wis.
Barnum E. T. wire & Iron Works, 501-23 Cass av, Detroit, Mich.
Bayer-Rothgeb Co., Slauson & Santa Fe avs, Los Angeles, Cal.
Bethlehem Fence Works (Iron), Bethlehem, Pa.
Buckeye Blower Co., 425 W Town, Columbus, Ohio
See adv index at end of book
Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y. *See adv index at end of book*
Builders' Iron & Steel Co., 25 Garvey, Boston, Mass.
Central Wire & Iron Works, Des Moines, Ia.
Cincinnati Mfg. Co., Cincinnati, O.
Dow Co. (Screen Door), 201H N Buchanan, Louisville, Ky.
Estey Wire Works Co., 34 Cliff, New York
Ferro-Studio, Inc., 228 E 150th, New York
Hanke Iron & Wire Works, 800 N. Albany av, Chicago, Ill.
Hart & Cooley Co., Inc., Corbin av & W Main, New Britain, Conn.
Howard & Morse, 45 Fulton, New York
Knapp Fence Co. ("Knapp"), 152 E 134th, Cleveland, Ohio
Kohemick John, Jr., & Co., Inc., 430H Hancock, Long Island City, N. Y.
Meyers Fred H. Mfg. Co., Hamilton, Ohio
Michel & Pfeffer Iron Works, 1417 Harrison, San Francisco, Cal.
Newman Mfg. Co., 420 Elm, Cincinnati, Ohio
Pitt Wm. R. Composite Iron Wks., 543 W. 27th, New York
Portage Iron & Wire Co., 1131 Johnston, Akron, O.
Scranton Iron & Steel Co., Scranton, Pa.
Smith A. L. Iron Wks., Chelsea, Mass.
SMITH F. P. WIRE & IRON WORKS, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Southern Wire & Iron Wks., Atlanta, Ga.
STEWART IRON WORKS CO., INC., 238 Stewart blk, Cincinnati, Ohio
See adv index at end of book
Tuttles & Bailey Mfg. Co., 2 W 45th, New York
TYLER W. S. CO., Cleveland, O. & 200 5th av, New York
See adv index at end of book
Van Doorn Co., Quincy, Ill.
WEST COAST WIRE & IRON WORKS, 861 Howard, San Francisco, Cal.
Wickwire Spencer Steel Corp., 41 E 42d, New York *See adv index at end of book*
Wisconsin Iron & Wire Wks., Milwaukee, Wis.
Wrobbel-Maine Co. (The), 3106 E 63rd, Cleveland, Ohio

5606a— Grinders (Alfalfa)

WILLIAMS PATENT CRUSHER & PULVERIZER CO., 707 Montgomery st, St. Louis, Mo.
See adv index at end of book

5607—Grinders (Arsenate of Lead)

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Estey Bros. Co., 1006 Metropolitan av, Brooklyn, N. Y.

5608— Grinders (Band Saw)

Armstrong Mfg. Co., 2 2d, Portland, Ore.
Baldwin Tuthill & Bolton, Grand Rapids, Mich.

(Continued on following page)

Grinders (Band Saw)—Continued

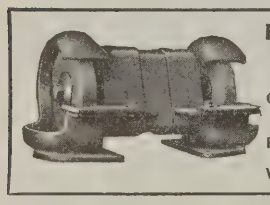
Filer & Stowell Co. (Circular), Milwaukee, Wis.
Lake Shore Engine Works, Marquette, Mich
Wardwell Mfg. Co., 108 Hamilton av, Cleveland, Ohio
Yates P. B. Machine Co., Beloit, Wis.

5608a—*Grinders (Band Wheel)

Barnhart W. C. Co. ("Barnhart"), 224 Railway Exchange bldg, Seattle, Wash.

5609— Grinders (Bench)

Advanced Engineering Co., 464 7th, San Francisco, Calif.
American Electric Tool Co. ("Carver" Portable Electric Direct & Alternating), West Newton, Mass.
Athol Mach. & Foundry Co. (Counter Shaft for Tool Dressing), Athol, Mass.
Baldwin, Tuthill & Bolton (Also Combination Bench Grinders & Saw Gummers), Grand Rapids, Mich
Black & Decker Mfg. Co., E Penn av, Baltimore, Md.
Blount J. G. Co., Everett, Mass.
Bridgeport Safety Emery Wheel Co. ("Bridgeport Safety"), 88 Knowlton, Bridgeport, Conn.
See adv index at end of book
Brown & Sharpe Mfg. Co., Providence, R. I.
Builders' Iron Foundry ("Builders"), 9 Codding, Providence, R. I.
Carborundum Co. ("Niagara" carborundum), Niagara Falls, N. Y.
Chicago Pneumatic Tool Co., 6 East 44th, New York *See adv index at end of book*
Cincinnati Elec. Tool Co., 1501 Freeman av, Cincinnati, Ohio
Clark Jas. Jr. Electric Co. (Electrically Driven), 520 W Main, Louisville, Ky.
Clizbe Bros. Mfg. Co. ("Crown"), Plymouth, Ind.
Cutter & Wood Supply Co., 274 Friend Boston, Mass.
Diamond Machine Co. ("Diamond," "Standard"), Providence, R. I.
Fenn Mfg. Co. ("Fenn" Gear Cutter), 385 Broad, Hartford, Conn.
Forbes & Myers, 172 Union, Worcester, Mass.
See adv index at end of book



Gallmeyer & Livingston Co. ("Grand Rapids"), Grand Rapids, Mich.
Gilfillian Bros., Inc., 1819 W 16th, Los Angeles, Cal.
Goodell-Pratt Co., Greenfield, Mass.
Hall & Brown Woodworking Machine Co., 1911 N B'way, St. Louis, Mo.
Haskins R. G. Co., 516 W Monroe, Chicago, Ill.
Hisey-Wolf Machine Co. ("Hisey" Electric), Cincinnati, O.
Hoppen J. E. & Sons (Revolving in Wooden Trough), 78 Main, Belleville, N. J.
See adv index at end of book
Kowal Bros., 2411 6th, Berkeley, Cal.
Luther Grinder Mfg. Co. ("Mechanic Special," "Best Maide," "Hummer"), 285 S Water, Milwaukee, Wis.
Neil & Smith Electric Tool Co. ("Ideal" Electric), 8th & B'way, Cincinnati, O.
North Wales Machine Co. ("North Wales") North Wales, Pa.
Norton Co., Barber's Crossing, Worcester, Mass.
PARTRIDGE E. O. ("Partridge"), 2039 W Lake, Chicago, Ill.
See adv index at end of book
Racine Universal Motor Co. ("Universal"), 4642 Ravenswood, Chicago, Ill.
Ransom Mfg. Co., Oshkosh, Wis.
Rock Island Mfg. Co., Rock Island, Ill.
Safety Emery Wheel Co., Springfield, O.
St. Louis Machine Tool Co., 922 Loughborough, St. Louis, Mo.
Sellew Machine Tool Co. (Disc), Pawtucket, R. I.
Springfield Mfg. Co., Bridgeport, Conn.
Standard Electric Tool Co. (Electric), York & Western av, Cincinnati, O.
Star Specialty Mfg. Co. ("Perfection" Cut Gear Grinders), 227-233 W Erie, Chicago, Ill.
Sterling Grinding Wheel Co., Tiffin, O.
Stow Mfg. Co., Inc., Binghamton, N. Y.
See adv index at end of book
Tanite Co., Stroudsburg, Pa.
Temco Electric Motor Co., Leipsic, Ohio
United States Electrical Tool Co. (Electrical), Cincinnati, Ohio
Van Dorn Electric Tool Co., 2978 Woodhill, Cleveland, O.
Vitrified Wheel Co., Westfield, Mass.
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book
Wood A. A. & Sons Co. ("Atlanta," Tool Grinders), Atlanta, Ga.
Wright David A., Inc., Jefferson & Monroe, Chicago, Ill.

Grinders (Car Wheel)

See Car Wheel Grinding Machines

5610— Grinders (Center)

Buffalo Specialty Co., 375 Ellicott, Buffalo.
Cincinnati Elec. Tool Co., 1501 Freeman av, Cincinnati, Ohio
Clark Jas. Jr. Electric Co. (Electrically Driven), Louisville, Ky.
CLEVELAND PNEUMATIC TOOL CO., 3734 E. 78th, Cleveland, Ohio
See adv index at end of book
Hisey-Wolf Machine Co. ("Hisey" Electric), Cincinnati, O.
Neil & Smith Electric Tool Co. ("Ideal," 8th & B'way, Cincinnati, O.
Ohio Machine Tool Co., Kenton, O.
Racine Universal Motor Co. ("Universal"), 4642 Ravenswood, Chicago, Ill.
Ready Tool Co. ("Red E"), Bridgeport, Conn.
Stow Mfg. Co., Inc. (Flexible Shaft), Binghamton, N. Y.
See adv index at end of book
United States Electrical Tool Co. (Electric), Cincinnati, Ohio
Wisconsin Electric Co., 17 16th, Racine, Wis.

5610a—Grinders (Chemicals)

Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

5611— Grinders (Chisel)

Hemming Bros. Co. (Automatic), 205 River, New Haven, Conn.
Millers Falls Co., Dept H, Millers Falls, Mass.
Star Specialty Mfg. Co. ("Star"), 227-233 W Erie, Chicago, Ill.

Grinders (Chuck Work)

See Grinders, Surface, etc

5612— Grinders (Cinder)

See also Mills, Cinder

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 28 Church, New York *See adv index at end of book*
Eastern Machinery Co. ("Hill," Improved), New Haven, Conn.
Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn.
See adv index at end of book
Standard Equipment Co. ("Standard"), 63 Foote, New Haven, Conn.
Vulcan Iron Works, 327 N. Irving av, Chicago, Ill.
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

5613— Grinders (Cock)

See also Grinders, Valve

Warner & Swasey Co., 5809 Carnegie av, Cleveland O.

Grinders (Corn & Cob)

See Mills, Corn & Cob

5614— Grinders (Crackling)

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
MITTS & MERRILL, 1939 So. Water, Saginaw, Mich.
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

5615— Grinders (Crank)

Chicago Pneumatic Tool Co., 6 East 44th, New York *See adv index at end of book*
Landis Tool Co. (Cylindrical), Waynesboro, Pa.
Merritt S. W. Co., 699 W 133rd, New York
Norton Co. (Cylinders), Barbers Crossing, Worcester, Mass.
Tindel, Norris Co., Eddystone, Pa.

5616—Grinders (Cup, Cone & Hub)

Badger Tool Co., Beloit, Wis.
Bridgeport Safety Emery Wheel Co ("Bridgeport Safety" Cup Only), 88 Knowlton, Bridgeport, Conn.
See adv index at end of book
Norton Co., Barber's Crossing, Worcester, Mass.
Rivett Lathe & Grinder Co. ("Rivett"), Faneuil Station, Boston, Mass.
Springfield Mfg. Co., Bridgeport, Conn.

Grinders (Cutter)

See Grinders, Reamer & Cutter

5617— Grinders (Cylinder)

Allan Mfg. & Welding Co., Inc., 728 Washington, Buffalo, N. Y.
See adv index at end of book
Detroit Machine Tool Co. ("Detroit" Centerless), 6535 St. Antoine, Detroit, Mich.
Gisholt Machine Co. (For Regrinding Gas & Gasoline Engine Cylinders, "Madison," "Du-All" Portable), 13156 Washington, Madison, Wis.
Greenlee Bros. & Co., 12th, Rockford, Ill.
Hanke Iron & Wire Works, 800 N Albany av, Chicago, Ill.
Heald Machine Co., Worcester, Mass.
Merritt S. W. Co., 699 W 133rd, New York
Marburg Brothers, Inc. ("M. S. O."), 90H West New York
McDonough Mfg. Co., Eau Claire, Wis.
Robinson H. Mfg. Co., Muncy, Pa.
Salter Motor Mfg. Co., 1516 Oakland av, Kansas City, Mo.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Thompson Grinder Co., Springfield, Ohio
Tindel Morris Co., Eddystone, Pa.
Whitney Baxter D. & Son ("Whitney"), Winchendon, Mass.
WILMARTH & MORMAN CO., 1174 Monroe av, Grand Rapids, Mich.
See adv index at end of book
Wood & Safford Mach. Wks., Great Falls, Mont.
Wright David A., Inc., Jefferson & Monroe, Chicago, Ill.

5618— Grinders (Die)

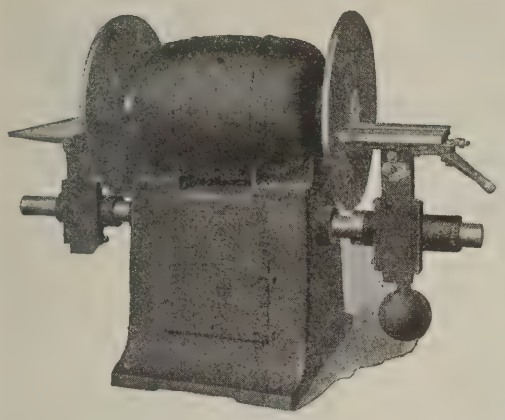
Baird Machine Co. (And Tool), Bridgeport, Conn.
Bignall & Keeler Machine Works ("B. & K."), Edwardsville, Ill.
Bridgeport Safety Emery Wheel Co. ("Bridgeport-Safety"), 88 Knowlton, Bridgeport, Conn.
See adv index at end of book
Fenton Machine Tool & Die Co., Inc., Fenton, Mich.
Geometric Tool Co. (Thread Chaser), Blake & Valley, New Haven, Conn.
Grand Rapids Grinding Machine Co., 30 Ottawa av, Grand Rapids, Mich.
Lenz Machine Wks., 199 Franklin, New York
Milford Machine & Tool Co., New Haven av, Milford, Conn.
Thompson Grinder Co., Springfield, Ohio
Vaughn Machinery Co. (Wire Drawing), Cuyahoga Falls, Ohio
WILMARTH & MORMAN CO., 1174 Monroe av, Grand Rapids, Mich.
See adv index at end of book

5619— Grinders (Disc)

Badger Tools Co. ("Badger"), Beloit, Wis. Wis.
Besly Chas. H. & Co. ("Besly," Single, Double & Vertical Spindle & Pattern Makers), 118 N Clinton, Chicago, Ill.
Bridgeport Safety Emery Wheel Co., 88 Knowlton, Bridgeport, Conn.
See adv index at end of book
Carter & Bucholz Co. Inc., 1234 S State, Syracuse, N. Y.
Crescent Machine Co. (The), 512 Oak, Leetonia, O. *See adv index at end of book*
Diamond Machine Co. ("Diamond"), Providence, R. I.
Gallmeyer & Livingston Co. ("Grand Rapids"), Grand Rapids, Mich.
GARDNER MACHINE CO. ("Gardner"), Thompson st, Beloit, Wis.
See adv index at end of book
Heald Machine Co., Worcester, Mass.
Hoysradt & Case (Metal), Kingston, N. Y.
PORTER-CABLE MACHINE CO., THE (Bench or pedestal models, portable, motor driven, vacuum dust remover), 708 N Salina, Syracuse, N. Y.
See adv index at end of book
ROBINSON H. MFG. CO., Muncy, Pa.
Rowbottom Machine Co. ("Rowbottom" Double Head & Double End), Waterbury, Conn.
Sellew Machine Tool Co. ("Sellew"), Pawtucket, R. I.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Taylor & Fenn Co., Hartford, Conn.

5620— Grinders (Drill)

Bickford - Switzer Co. ("Bickford - Switzer"), 50H Norwood, Greenfield, Mass.
Bridgeport Safety Emery Wheel Co., 88 Knowlton, Bridgeport, Conn.
See adv index at end of book
Cincinnati Electrical Tool Co., Cincinnati, Ohio
Gallmeyer & Livingston Co. ("Grand Rapids"), Grand Rapids, Mich.
Greenfield Tap & Die Corp. ("G. T. D."), Greenfield, Mass.
Keystone Grinder & Mfg. Co., 220 Penn av, Pittsburgh, Pa.
La Salle Machine & Tool Co. ("American," Twist Drill), La Salle, Ill.
Luther Grinder Mfg. Co., 285 S. Water, Milwaukee, Wis.
National-Standard Co. ("Magic"), Box 211, Niles, Mich.
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
Washburn Shops ("Worcester"), Boynton, Worcester, Mass.
Wells Corporation, The, 15 Arch, Greenfield, Mass. *See adv index at end of book*



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A large and complete line of high-grade Disc Grinders, built in six distinct types which range in size from 12″ to 53″ dia. disc wheels.

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Thompson St., Beloit, Wis., U. S. A.

WILMARTH & MORMAN CO. ("New Yankee"), 1174 Monroe av, Grand Rapids, Mich.
See adv index at end of book

5621— Grinders (Edging)

See also Mills, Bark

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Bartlett A. F. & Co., Saginaw, Mich.
Filer & Stowell Co., Milwaukee, Wis.
MITTS & MERRILL, 1939 S Water, Saginaw, Mich.
Union Iron Works, Bangor, Me.

5622— Grinders (Electric)

Barker Bros., Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
Binghamton Flexible Shaft Co. (Floor), 239 Water, Binghamton, N. Y.
BRIDGEPORT SAFETY EMERY WHEEL CO., 88 Knowlton, Bridgeport, Conn.
See adv index at end of book
Chicago Pneumatic Tool Co., 6 East 44th, New York *See adv index at end of book*
Cincinnati Elec. Tool Co., 1501 Freeman av, Cincinnati, Ohio
Columbia Mfg. Co., Belleville, Ill.
Dillon Electric Co., Canton, Ohio
FORBES & MYERS ("Forbes & Myers," Bench & Floor), 172 Union, Worcester, Mass.
Gilfillan Bros., Inc., 1819 W 16th, Los Angeles, Cal.
Kan-Dor Electric Co., 1815 E 60th, Los Angeles, Cal.
Luther Grinder Mfg. Co., 285 S Water, Milwaukee, Wis.
Reynolds & Co., Real Estate Trust bldg, Phila., Pa.
Robbins & Myers, 1400 Lagonda av, Springfield, Ohio
Sapihl Elec. Tool Co. ("Sapihl" Portable), Galesburg, Ill.
Standard Elec. Tool Co. ("Standard" Portable Bench & Floor Type), York & Western av, Cincinnati, Ohio
Temco Electric Motor Co. (Bench, Pedestal & Wall), Leipsic, Ohio
Wisconsin Electric Co., 17 16th, Racine, Wis.

Grinders (Electric, Portable)

See Grinders, Portable with Word "Electric" Following the Name

5623—Grinders (Emery, Tool)

American Grinder Mfg. Co., 718 Poplar, Milwaukee, Wis.
Atlantic Engine Co., Meadville, Pa.
Barcalo Mfg. Co. ("Union" Foot Power), Buffalo, N. Y.
Beal Joseph & Co., 465 Atlantic av, Boston, Mass.
Blake & Johnson Co. ("Waterbury"), 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
Blount J. G. Co., Everett, Mass.
Born J. C. & Bro. ("Crescent"), Belleville, Ill.
Bridgeport Safety Emery Wheel Co. ("Bridgeport Safety" Emery Wheel), 88 Knowlton, Bridgeport, Conn.
See adv index at end of book
Brown & Sharpe Mfg. Co., Providence, R. I.
Buda Co. ("Liberty"), Harvey, Ill.
Carborundum Co. ("Niagara" carborundum), Niagara Falls, N. Y.
Cheney S. & Co. ("Farmo"), Manlius, N. Y.
Cincinnati Electrical Tool Co., Cincinnati, O.
Cleveland Pneumatic Tool Co. (Portable & Bench), 3734 E 78th, Cleveland, O.
Clizbe Bros. Mfg. Co. ("Crown"), Plymouth, Ind.
Columbia Mfg. Co., Belleville, Ill.
Crestline Mfg. Co. ("Ever-Ready" Connected to Gasoline Engine for Farm & General Use), Crestline, O.
Cutter & Wood Supply Co., 274 Friend, Boston, Mass.
Deane Machine Co., Fitchburg, Mass.
Defiance Machine Works, Defiance, O.
Diamond Machine Co. ("Diamond," "Standard" Bench Tools, etc), Providence, R. I.
Disston Henry & Sons (Inc.), Tacony, Phila., Pa.
Duisdieker Foundry & Mfg. Co. ("Cyclone"), Pekin, Ill.
Emerson, Smith & Co. (Ltd.), Beaver Falls, Pa.
Flory S. Mfg. Co. (Machine Stands Only), Bangor, Pa.
See adv index at end of book
Forbes & Myers ("Forbes & Myers"), 172 Union, Worcester, Mass.
Frank Machinery Co., 419 Broadway, Buffalo, N. Y.
Frederick Machine Works, Norwalk, O.
Fry B. L. Mfg. Co. ("Special," "Battle Axe," "Pep," "Farm Boy"), 9th & Monroe, St. Louis, Mo.
Gallmeyer & Livingston Co. ("Grand Rapids"), Grand Rapids, Mich.
GEM MFG. CO. ("Gem," Portable, Flexible Shaft), Goebel, nr Fulton, N S, Pittsburgh, Pa.
See adv index at end of book
Gillie Machine Co. ("Tonawanda" Double), Tonawanda, N. Y.
Gisholt Machine Co. ("Universal" for Lathe & Planer Tools), Madison, Wis.
Gleason Works, 1000 University av, Rochester, N. Y. *See adv index at end of book*
Globe Co. ("Globe," Small, for Farmers, Butchers, etc.), Sheboygan, Wis.
Goodell-Pratt Co., Greenfield, Mass.
Goodnow L. H. Foundry Co., Fitchburg, Mass.
Grace C. M. & Co., Huntsville, Ala.
Greenfield Tap & Die Corp. ("G. T. D."), Greenfield, Mass.
Hampden Corundum Wheel Co., Brightwood, Springfield, Mass.
Herrick & Cowell, New Haven, Conn.
Holmes E. & B. Machinery Co., 59 Chicago, Buffalo, N. Y.
Hyfield Mfg. Co., 292 Church, New York
Kerrihard Co. (With Saws Attached), Red Oak, Ia.
King Mfg. Co., Piqua, O.
Landis Tool Co. (Cylindrical), Waynesboro, Pa.
Le Blond R. K. Machine Tool Co., Cincinnati, O.
Lenz Machine Wks., 199 Franklin, New York
Luther Grinder Mfg. Co. ("Mechanics Special," "Best Maide," "Dimo-Grit" "Hummer," Hand, Foot & Belt Driven tool Sharpeners), 285 S Water, Milwaukee, Wis.
Michigan Engine Valve Co. ("Perfection"), 437 Columbia W, Detroit, Mich.
Modern Grinder Mfg. Co., 49 Oneida, Milwaukee, Wis.
Morse Twist Drill & Machine Co., ("Morse"), New Bedford, Mass.
Mummert-Dixon Co. ("Universal"), Hanover, Pa.
Myers Machine Tool Corp. ("Myers"), Columbia, Pa.
Newton Edwin A. ("Brand New"), 19th & Hamilton, Philadelphia, Pa.
Noble & Westbrook Mfg. Co., Hartford, Conn.
North Star Iron Works Co. (Stands), Owatonna, Minn.
Norton Co., Barbers Crossing, Worcester, Mass.
Partridge E. O. ("Partridge"), 2039 W Lake, Chicago, Ill.
See adv index at end of book

EMERY GRINDERS AND COUNTERSHAFTS
Wood Turning Lathes — Pendulum Foot Presses, Tapping Machines, Saw Mandrels
E. O. PARTRIDGE (Mfr.)
2039-49 W. Lake St. Chicago, Ill.

Pittsburgh Grinding Wheel Co., Rochester, Pa.
Ransom Mfg. Co., Oshkosh, Wis.
RICHARDS-WILCOX MFG. CO. ("Cyclone" Ball Bearing Steel Frame), Aurora, Ill. *See adv index at end of book*
Rockford Drilling Machine Co. (Tool), Rockford, Ill.
Rock Island Mfg. Co., Rock Island, Ill.
Rogers Samuel C. & Co., 10 Lock, Buffalo, N. Y.
Royersford Foundry & Machine Co., Royersford, Pa.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Safety Emery Wheel Co., Springfield, O.
St. Louis Machine Tool Co., 922 Loughborough, St. Louis, Mo.
San Francisco Engineering Co., 322 4th, San Francisco, Cal.
Simmons Machine Co., Inc., 987 Broadway, Albany, N. Y.
Sprague Foundry & Mfg. Co., Council Bluffs, Ia.
Springfield Mfg. Co., Bridgeport, Conn.
Stark Tool Co. (For Small Tools), Waltham, Mass.
Steiner Mfg. Works, Erie, Pa.
Sterling Grinding Wheel Co., Tiffin, O.
Stow Mfg. Co., Inc. (Stationary & Portable), Binghamton, N. Y.
See adv index at end of book
Swineford G. A. Co., Canton, O.
Tabor Mfg. Co. ("Taylor"), 18th & Hamilton, Phila., Pa.
Tanite Co., Stroudsburg, Pa.
Taylor & Fenn Co., Hartford, Conn.
United States Electrical Tool Co., Cincinnati, O.
Victory Mach. & Lbr. Co., Buffalo, N. Y.
Vitrified Wheel Co., Westfield, Mass.
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book
Wisconsin Electric Co. ("Dumore" Automobile), 1600 Junction av, Racine, Wis.
Woods Engng. Co., Alliance, O.
Worcester Pattern & Model Co., 93 Foster, ("Anderson"), Worcester, Mass.
Wright David A., Inc., Jefferson & Monroe, Chicago, Ill.

Grinders (Face)

See Grinders, Surface, etc.

Grinders (Feed)

See Mills, Feed Grinding

5623a—Grinders (Fertilizer)

WILLIAMS PATENT CRUSHER & PULVERIZER CO., 707 Montgomery st, St. Louis, Mo. *See adv index at end of book*

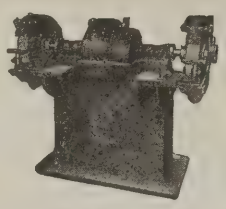
5623b—*Grinders (Fertilizer Fish)

MITTS & MERRILL, 1939 S Water, Saginaw, Mich.

5624— Grinders (Floor)

Barker Bros., Inc., 327-329 Johnson, Brooklyn, N. Y. *See adv index at end of book*
Binghamton Flexible Shaft Co. (Electric), 239 Water, Binghamton, N. Y.
Blount J. G. Co., Everett, Mass.

(Continued on following page)

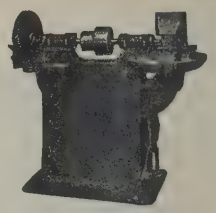


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BRIDGEPORT SAFETY EMERY WHEEL CO.
88 Knowlton St., Bridgeport Conn.



Grinders (Floor)—Continued

BRIDGEPORT SAFETY EMERY WHEEL CO. ("Bridgeport-Safety"), 88 Knowlton, Bridgeport, Conn.
See adv index at end of book

Builders' Iron Foundry ("Builders"), 9 Codding, Providence, R. I.
Cincinnati Elec. Tool Co., 1501 Freeman av, Cincinnati, Ohio
Clark Jas. Jr. Electric Co. (Electrically Driven), 520 W Main, Louisville, Ky.
Clizbe Bros. Mfg. Co. ("Crown"), Plymouth, Ind.
Diamond Machine Co. ("Diamond," "Standard"), Providence, R. I.
Forbes & Myers ("Forbes & Myers," Electric, Alternating), 172 Union, Worcester, Mass.
Gallmeyer & Livingston Co. ("Grand Rapids"), Grand Rapids, Mich.
Norton Co., Barber's Crossing, Worcester, Mass.
PARTRIDGE E. O., 2039 W Lake, Chicago, Ill.
See adv index at end of book
Ransom Mfg. Co. (Belt Driven with Steel Guards Having Exhaust Pipe Connections), Oshkosh, Wis.
Safety Emery Wheel Co. ("Champion"), Springfield, O.
Stow Mfg. Co., Inc., Binghamton, N. Y.
See adv index at end of book
U. S. Electric Mfg. Co., 300 S Central av, Los Angeles, Cal.
United States Electrical Tool Co., Cincinnati, Ohio

5625—Grinders (Foot & Hand Power)

See also Grinders, Sickle & Mower Knife

Buffalo Specialty Co. ("Success" Foot Only), 375 Ellicott, Buffalo, N. Y.
Carborundum Co. ("Niagara" carborundum), Niagara Falls, N. Y.
Clark-Mesker Co., 18511 Euclid av, Cleveland, O.
Clizbe Bros. Mfg. Co. ("Crown"), Plymouth, Ind.
Fry B. L. Mfg. Co. ("Special," "Battle Axe," "Pep," "Farm Boy"), 9th & Monroe, St. Louis, Mo.
Hoppen J. E. & Sons, 78 Main, Belleville, N. J.
Keystone Grinders & Mfg. Co., 220 Penn av, Pittsburgh, Pa.
Luther Grinder Mfg. Co. ("Mechanics Special," "Best Maide," "Dime-Special," "Hummer," "Farm Special"), 285 So. Water, Milwaukee, Wis.
North Wales Machine Co. ("North Wales") North Wales, Pa.
Pike Mfg. Co., Pike, N. H.
Rock Island Mfg. Co., Rock Island, Ill.
Wood A. A. & Sons Co. ("National" Hand Power Only), Atlanta, Ga.

5625a—Grinders (For Woodworking Tools)

Bridgeport Safety Emery Wheel Co., 88 Knowlton, Bridgeport, Conn.
See adv index at end of book
Hoppen J. E. & Sons, 78 Main, Belleville, N. J.
Wisconsin Electric Co., 1602 Junction, Racine, Wis.
Worcester Pattern & Model Co., 93 Foster, ("Anderson"), Worcester, Mass.

5625b—*Grinders (Garbage)

Mitts & Merrill, 1939 S Water, Saginaw, Mich.

5625c— Grinders (Gauge)

La Salle Machine & Tool Co. (Micrometers), La Salle, Ill.
Steel Products Engineering Co., Springfield, Ohio

5625d—Grinders (Heavy Face)

Bridgeport Safety Emery Wheel Co., 88 Knowlton, Bridgeport, Conn.
See adv index at end of book
Diamond Machine Co. ("Diamond"), Providence, R. I.
Wisconsin Electric Co., 1602 Junction av, Racine, Wis.

5626—Grinders (Huller Knife)

Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Carver Cotton Gin Co. (For Cotton Seed Hullers), East Bridgewater, Mass.

Grinders (Indigo)

See Mills (Indigo)

5627— Grinders (Internal)

Brown & Sharpe Mfg. Co., Providence, R. I.
Bryant Chucking Grinder Co., Springfield, Vt.
Chicago Pneumatic Tool Co., 6 E. 44th, New York *See adv index at end of book*
Cincinnati Electrical Tool Co., Cincinnati, O.
Grand Rapids Grinding Machine Co., 20 Ottawa N. W., Grand Rapids, Mich.
Greenfield Tap & Die Corp. ("Hydroil"), Greenfield, Mass.
Heald Machine Co., Worcester, Mass.
Hisey-Wolf Machine Co. ("Hisey" Portable Electric), Cincinnati, O.
Landis Tool Co. (Cylindrical), Waynesboro, Pa.
Lansing Stamping & Tool Co. ("Capitol"), Lansing, Mich.
Micro Machine Co. ("Micro"), Bettendorf, Iowa
Neil & Smith Electric Tool Co. ("Ideal" Portable Electric), 8th & B'way, Cincinnati, O.
Rivett Lathe & Grinder Co., 2 Brooks, Brighton, Boston, Mass.
Stow Mfg. Co., Inc., Binghamton, N. Y.
See adv index at end of book
Thompson Grinder Co., Springfield, Ohio
Universal Grinding Mach. Co. ("Bath Universal"), Fitchburg, Mass.
Van Norman Machine Tool Co. ("Van Norman"), Springfield, Mass.
Wright David A., Inc., Jefferson & Monroe, Chicago, Ill.

5628—Grinders (Knife & Scissors)

Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Blackhall Mfg. Co. (Knife Only), 196 Seneca, Buffalo, N. Y.
Bridgeport Safety Emery Wheel Co. (Knife Only), 88 Knowlton, Bridgeport, Conn. *See adv index at end of book*
Covel Mfg. Co., Benton Harbor, Mich.
Emerson-Brantingham Co. ("E. B. Osborne" Knife), Rockford, Ill.
Fate, Root, Heath Co. ("Favorite" Clipper Knife), Plymouth, Ohio.
See adv index at end of book
Hemming Bros. Co. (Automatic Knife), 205 River, New Haven, Conn.
Hickok W. O. Mfg. Co. (Paper & Cutter Knives), Harrisburg, Pa.
Hoppen J. E. & Sons, 78 Main, Belleville, N. J.
International Harvester Co. ("International" & Tool), Harvester bldg, Chicago, Ill.
Luther Grinder Mfg. Co., 285 S Water, Milwaukee, Wis.
North Wales Machine Co. ("North Wales") North Wales, Pa.
Kline Lewis T. (Knife only), Alpena, Mich.
Rogers Eagle Mach. Wks. (Knives Only; also for Machines of all kinds), 16-20 Elk, Buffalo, N. Y.
Rogers Samuel C. & Co. ("Buffalo" Automatic), 10 Lock, Buffalo, N. Y.
Safety Emery Wheel Co. (Knife Only), Springfield, O.
Seybold Machine Co. (Knife), Dayton, O.
Shawmut Machinery Co. ("Perfect" Scissors), 82 Lincoln, Boston, Mass.
Spengler-Loomis Mfg. Co. ("Kwicksharp"), 58 E Washington, Chicago, Ill.
Springfield Mfg. Co. (Knife), Bridgeport, Conn.
Vaughn Machinery Co., Cuyahoga Falls, Ohio

5629—Grinders (Lathe Center)

Cincinnati Elec. Tool Co., 1501 Freeman av, Cincinnati, Ohio
Coates Clipper Mfg. Co., 237 Chandler, Worcester, Mass.
Hisey-Wolf Machine Co. ("Hisey" Portable Electric), Cincinnati, O.
Trump Bros. Machine Co., Beech & Anchorage, Wilmington, Del.
United States Electrical Tool Co., Cincinnati, Ohio

Grinders (Lawn Mower)

See Sharpeners, Lawn Mower

5630—*Grinders (Material for Fertilizer)

Mitts & Merrill, 1939 S Water, Saginaw, Mich.

5630a—Grinders (Mica)

Williams Patent Crusher & Pulverizer Co., 707 Montgomery st, St. Louis, Mo.
See adv index at end of book

5631— Grinders (Mill Pick)

Bullock Chas. K., 1357 Ridge av, Phila., Pa.

Grinders (Mower Knife)

See Grinders, Sickle & Mower Knife

5631a—Grinders (Oil Cake)

WILLIAMS PATENT CRUSHER & PULVERIZER CO., 707 Montgomery st, St. Louis, Mo.
See adv index at end of book

5632— Grinders (Oilstone)

Mummert-Dixon Co., Hanover, Pa.
Oliver Machinery Co., Grand Rapids, Mich.

5633— Grinders (Pan)

NATIONAL ENGINEERING CO., 549 W Washington blvd, Chicago, Ill.
Tropenas Converter Co., 2243 Nostrand av, Brooklyn, N. Y.

5634— Grinders (Paper Mill)

MITTS & MERRILL, 1939 So. Water, Saginaw, Mich.
Noble & Wood Machine Co. ("Bull-Dog," for Roofing & Leather Stock), Hoosick Falls, N. Y.

Grinders (Plain Tool)

See Grinders, Emery, Tool

5635—Grinders (Planer Knife)

American Woodworking Machinery Co., Rochester, N. Y.
Baldwin Tuthill & Bolton, Grand Rapids, Mich.
Bridgeport Safety Emery Wheel Co. ("Bridgeport Safety"), 88 Knowlton, Bridgeport, Conn.
See adv index at end of book
Carver Cotton Gin Co. (Wet & Dry), E Bridgewater, Mass.
Defiance Machine Works (Automatic), Defiance, O.
Fay J. A. & Egan Co., Cincinnati, O.
Hall & Brown, Woodworking Machine Co., 1911 N B'way, St. Louis, Mo.
Hemming Bros. Co. (Automatic), 205 River, New Haven, Conn.
Holmes E. & B. Machinery Co., 59 Chicago, Buffalo, N. Y.
Kimball F. J. Co., Inc. (Also Turbine), 1860 E 15th, Los Angeles, Cal.
Mummert-Dixon Co. ("Universal"), Hanover, Pa.
Oliver Machinery Co., Grand Rapids, Mich.
Rogers Samuel C. & Co. ("Buffalo" Automatic, etc.), 10 Lock, Buffalo, N. Y.
Safety Emery Wheel Co., Springfield, O.
Smith H. B. Machine Co., Smithville, N. J.
Stockbridge Machine Co., 68 Abbott ("Quicsharp"), Worcester, Mass.
Tanite Co., Stroudsburg, Pa.
Thompson Grinder Co., Springfield, Ohio
Trevor Mfg. Co., Lockport, N. Y.
Woods S. A. Machine Co. ("The Planers of Woods"), 27 Donnell, Boston, Mass.
Yates P. B. Machine Co., Beloit, Wis.

5636— Grinders (Portable)

Armstrong-Blum Mfg. Co. ("Marvel"), 337 N Francisco av, Chicago, Ill.
Barker Bros., Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
Black & Decker Mfg. Co., E Penn. av, Baltimore, Md.
CHICAGO PNEUMATIC TOOL CO. ("Little Giant" Operated Either by Compressed Air or Electricity), 6 E 44th, New York
See adv index at end of book
Cincinnati Electrical Tool Co. (Electric), Cincinnati, O.

Cleveland Pneumatic Tool Co. (Pneumatic), 3734 E 78th, Cleveland, Ohio
See adv index at end of book
Excelsior Tool & Machine Co., 32nd & Ridge, East St. Louis, Ill.
Forbes & Myers ("Forbes & Myers" Electric Bench), 169 Union, Worcester, Mass.
Gilfillian Bros., Inc., 1819 W 16th, Los Angeles, Cal.
Hamilton-Beach Mfg. Co. (Electric), Racine, Wis.
Haskins R. G. Co., 516 W Monroe, Chicago, Ill.
Helwig Mfg. Co. ("Helwig" Operated by Air), St. Paul, Minn.
Hisey-Wolf Machine Co. ("Hisey" Electrical Driven), Cincinnati, O.
Independent Pneumatic Tool Co. (Electric), 600 W Jackson blvd, Chicago, Ill.
Ingersoll-Rand Co. (Pneumatic), 11 Broadway, New York
See adv index at end of book
Mummert-Dixon Co. (Electric Radial Swing), Hanover, Pa.
National-Standard Co., Box 211, Niles, Mich.
Neil & Smith Electric Tool Co. ("Ideal" Electric), 8th & B'way, Cincinnati, O.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Racine Electric Co., Racine, Wis.
Robbins & Myers, 1400 Lagonda av, Springfield, Ohio
Sapihi Elec. Tool Co. ("Sapihi" Electric), Galesburg, Ill.
Simmons Machine Co., Inc., 937 Broadway, Albany, N. Y.
Standard Electric Tool Co. (Electric), York & Western av, Cincinnati, O.
STOW MFG. CO., INC. (Electric Flexible Shaft), Binghamton, N. Y.
See adv index at end of book
Stow Flexible Shaft Co., 26th & Callowhill, Philadelphia, Pa.
United States Electrical Tool Co. (Electric Hand & Heavy Duty Grinders), Cincinnati, Ohio
Van Dorn Electric Tool Co. (Electric), 2978 Woodhill, Cleveland, O.
Wisconsin Electric Co. ("Dumore" Electric), 17 16th, Racine, Wis.
Wodack Electric Tool Corp. ("Wodack"), 23H Jefferson, Chicago, Ill.

5637—Grinders (Radial, Ball Race-Way)

Rivett Lathe & Grinder Co. ("Rivett"), Dept H, Faneuil Station, Boston, Mass.
Van Norman Machine Tool Co. ("Van Norman" Automatic Oscillating), Springfield, Mass.

5638—Grinders (Reamer & Cutter)

See also Grinders, Emery-Tool
Adams Co. ("Farwell" Cutter), 295 6th, Dubuque, Iowa
Brown & Sharpe Mfg. Co., Providence, R. I.
Cincinnati Gear Cutting Machine Co. (Gear Cutter), Elam & Garrard av Cincinnati, O.
Cincinnati Milling Machine Co. (Cutter), Cincinnati, O.
Clark Jas. Jr. Electric Co., 520 W Main, Louisville, Ky.
Clough R. M., Tolland, Conn.
Disston Henry & Sons, Tacony, Phila., Pa.
Draper & Hall Co. ("Draper & Hall"), Dept H, Middletown, Conn.
Falls Machine Co. (Cutter), Sheboygan Falls, Wis.
Fenn Mfg. Co. ("Fenn" Gear Cutter), 335 Broad, Hartford, Conn.
Gallmeyer & Livingston Co. ("Grand Rapids"), Grand Rapids, Mich.
Garvin Machine Co. (Universal Cutter), 147 Varick, New York
Grand Rapids Grinding Machine Co., 30 Ottawa N. W., Grand Rapids, Mich.
Greenfield Tap & Die Corp. ("G. T. D."), Greenfield, Mass.
Hisey-Wolf Machine Co. ("Hisey" Portable Electric), Cincinnati, O.
Kane & Roach, Syracuse, N. Y.
Landis Tool Co., Waynesboro, Pa.
Le Blond R. K. Machine Tool Co. (Cutter), Cincinnati, O.
Matson Machine Co., Concord, N. H.
Norton Co., Barbers Crossing, Worcester, Mass.
Pratt & Whitney Co. (Milling Cutters), Hartford, Conn.
See adv index at end of book
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Simmons Machine Co., Inc., 937 Broadway, Albany, N. Y.
Stark Tool Co. ("Stark" Pinion Cutter Grinder), Waltham, Mass.
United States Electrical Tool Co., Cincinnati, Ohio
Universal Grinding Mach. Co. ("Bath" Universal), Fitchburg, Mass.
Walker O. S. Co., 12 Westland, Worcester, Mass.
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book
WILMARTH & MORMAN CO. ("New Yankee"), 1174 Monroe av, Grand Rapids, Mich.
See adv index at end of book
Woods Engineering Co. (For Cutter only), Alliance, O.

5639— Grinders (Ring)

Bridgeport Safety Emery Wheel Co., 88 Knowlton, Bridgeport, Conn.
See adv index at end of book
Diamond Machine Co. ("Diamond"), Providence, R. I.
Gardner Machine Co., Thompson st, Beloit, Wis.
See adv index at end of book
Robbins Machine Co. ("Bay State" Piston Ring), 42 La Grange, Worcester, Mass.
Walker O. S. Co. ("Single Stroke" Piston Ring), 12 Westland, Worcester, Mass.

5640—Grinders (Ring Wheel)

Badger Tool Co. ("Badger"), Beloit, Wis.
Besly Chas. H. & Co. ("Besly," Single & Double Spindle), 118 N Clinton, Chicago, Ill.
Bridgeport Safety Emery Wheel Co. ("Bridgeport-Safety"), 88 Knowlton, Bridgeport, Conn.
See adv index at end of book
GARDNER MACHINE CO., Thompson st, Beloit, Wis.
See adv index at end of book
Graham Mfg. Co. ("Graham"), 96 Point, Providence, R. I.
Polachek John Bronze & Iron Co., 476H Hancock, Long Island City, N. Y.
Williams, White & Co., 301 8th, Moline, Ill.

5641— Grinders (Roll)

Cincinnati Elec. Tool Co., 1501 Freeman av, Cincinnati, Ohio
FARREL FOUNDRY & MACHINE CO., 30 Main, Ansonia, Conn.
See adv index at end of book
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Hisey-Wolf Machine Co. ("Hisey" Portable Electric), Cincinnati, O.
Landis Tool Co. ("Landis"), Waynesboro, Pa.

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Norton Co., Barbers Crossing, Worcester, Mass.
Robinson H. Mfg. Co., Muncy, Pa.
Springfield Mfg. Co., Bridgeport, Conn.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
United States Electrical Tool Co., Cincinnati, Ohio

5642—Grinders (Rotary Shear)

Springfield Mfg. Co., Bridgeport, Conn.

5642a—*Grinders (Rubbish)

Mitts & Merrill, 1939 S Water, Saginaw, Mich.

5643—Grinders (Sample Ore)

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Boston Scale & Machine Co., 100H Rugles, Boston, Mass.
Braun Corp. (Hand), 363 New High, Los Angeles, Cal.
Braun-Knecht-Heimann Co. (Laboratory Ore), 576-5 Mission, San Francisco, Cal.
Calkins Co. ("Advance" Disc, Hand or Power), Los Angeles, Cal.
Denver Engineering Works Co., Denver, Colo.
Kennedy-Van Saun Mfg. & Eng. Corp., 50 Church, New York
See adv index at end of book
Kent Mill Co. ("Maxecon"), 10H Rapelyea, Brooklyn, N. Y.
Mine & Smelter Supply Co., 43 B'way, New York
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book
Worthington Pump & Machy. Corp., 115 B'way, New York

5644— Grinders (Sand)

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
NATIONAL ENGINEERING CO., 549 W. Washington blvd, Chicago, Ill.
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

5645— Grinders (Saw)

Continental Wood Screw Co. (Automatic), New Bedford, Mass.
Covel Mfg. Co., Benton Harbor, Mich.
Hanna Engineering Works, 1764 Elston av., Chicago, Ill.
Hinds Thos. Co., Malone, N. Y.
Hunter Saw & Machine Co. (Inserted Tooth), 57th & Butler, Pittsburgh, Pa.
Huther Bros., Huther Bros. Patent Saw Mfg. Co. (For Sharpening Inserted Tooth Milling Saws), Rochester, N. Y.
See adv index at end of book
Oliver Machinery Co., Grand Rapids, Mich.
Rogers, Eagle Mach. Wks., 16-20 Elk, Buffalo, N. Y.
Simonds Saw & Steel Co. (Inserted Tooth for Metal Saws), 470 Main, Fitchburg, Mass.
Wardwell Mfg. Co. (Metal Cutting Circular), 108 Hamilton av, Cleveland, Ohio

5645a—*Grinders (Sawdust)

Mitts & Merrill, 1939 S. Water, Saginaw Mich.
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

5645b— Grinders (Shaving)

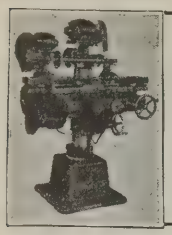
Mitts & Merrill, 1939 S Water, Saginaw, Mich.
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.

5646—Grinders (Shear Knife)

BRIDGEPORT SAFETY EMERY WHEEL CO. ("Bridgeport-Safety"), 88 Knowlton, Bridgeport, Conn.
See adv index at end of book

5647—Grinders (Sickle & Mower Knife)

See also Grinders, Foot & Hand Power
Acme Harvesting Machine Co. ("Acme"), Peoria, Ill.
Chapman H. L. ("Chapman"), Marcellus, Mich.
Cheney S. & Son ("Fowler"), Manlius, N. Y.
Clabe Bros. Mfg. Co. ("Daily," "Royal," "Star," "Crown" Sickle), Plymouth, Ind.
Cutaway Harrow Co. ("Dutton"), Higganum, Conn.
Duplex Mill & Mfg. Co. ("Kelley Duplex"), Springfield, O.
Fate-Root-Heath Co., (The), Plymouth, O.
See adv index at end of book
Fry B. L. Mfg. Co. ("Farm Boy"), 9th & Monroe, St. Louis, Mo.
Goodell-Pratt Co., Greenfield, Mass.
Herschel R. Mfg. Co. ("Herschel," "New Model"), Peoria, Ill.
Hoppen J. E. & Sons, 78 Main, Belleville, N. J.
International Harvester Company of America (Inc.), "International"-Deering-McCormick-Milwaukee, Harvester bldg, Chicago, Ill.
Kalamazoo Tank & Silo Co. ("Kalamazoo"), Kalamazoo, Mich.
Luther Grinder Mfg. Co. ("Hummer," "Best Maide," "Farm Special"), 285 S Water, Milwaukee, Wis.
National Dairy Machine Co. ("Industrial"), Goshen, Ind.
Richard-Wilcox Mfg. Co. ("Richards," "Wilcox," "Velox"), Aurora, Ill.
See adv index at end of book
Rock Island Mfg. Co., Rock Island, Ill.
Whitaker Mfg. Co., ("Karbo," "Sterling"), 409 S Green, Chicago, Ill.
Wood Walter A. Mower & Reaper Machine Co. ("Paragon" & "Perfect"), Hoosick Falls, N. Y.



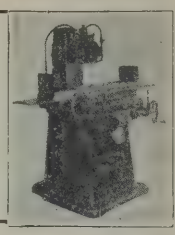
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5648—Grinders (Silversmiths')

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*

5649-50—Grinders (Skate)

Cutter & Wood Supply Co., 274 Friend, Boston, Mass.
Hemming Bros. (Automatic), 205 River, New Haven, Conn.
Luther Grinder Mfg. Co., 285 S Water, Milwaukee, Wis.

5650—Grinders (Stock Food)

WILLIAMS PATENT CRUSHER & PULVERIZER CO., 707 Montgomery st, St. Louis, Mo.
See adv index at end of book

5651—Grinders (Surface, Etc.)

Abrasive Machine Tool Co. ("Abrasive"), East Providence, R. I.
Badger Tool Co. (Vertical Spindle), Beloit, Wis.
Barnhart W. C. Co. ("Barnhart" Band Wheel Grinders), 224 Railway Exchange bldg, Seattle, Wash.
Besly Chas. H. & Co. ("Besly," Flat Surface), 118 N Clinton, Chicago, Ill.
Blake & Johnson Co. ("Waterbury"), 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
Blanchard Machine Co. ("Blanchard," High Power Vertical), Cambridge, Mass.
Blount J. G. Co., Everett, Mass.
Bridgeport Safety Emery Wheel Co. ("Bridgeport Safety"), 88 Knowlton, Bridgeport, Conn.
See adv index at end of book
Brown & Sharpe Mfg. Co., Providence, R. I.
Bryant Chucking Grinder Co. ("Bryant" Multiple Spindle Grinders), Springfield, Vt.
Chicago Pneumatic Tool Co., 6 E. 44th, New York *See adv index at end of book*
Clark Jas., Jr. Electric Co., Louisville, Ky.
Cleveland Automatic Machine Co. ("Cleveland" Tool & Surface), 2269 E 65th, Cleveland, O.
Cleveland Milling Mach. Co., 18521 Euclid av, Cleveland, Ohio
Clough R. M., Tolland, Conn.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Diamond Machine Co. ("Diamond," Automatic, Hand, etc), Providence, R. I.
Draper & Hall Co. ("Draper & Hall"), Dept. H, Middletown, Conn.
Gallmeyer & Livingston Co. ("Grand Rapids"), Grand Rapids, Mich.
GARDNER MACHINE CO., Thompson st, Beloit, Wis.
See adv index at end of book
Garvin Machine Co., 147 Varick, New York
Heald Machine Co., Worcester, Mass.
Hisey-Wolf Machine Co. ("Hisey" Portable Electric), Cincinnati, O.
Ingersoll Mill Mach. Co. (For Cutters Only), Rockford, Ill.
La Salle Machine & Tool Co. (Micrometer Adjustment), La Salle, Ill.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
Moseley Lathe Co. ("Moseley" Traverse for Internal & External Grinding) Elgin, Ill.
National Machine Co. ("Hartford"), Church & Wthrsfield, Hartford, Conn.
Neil & Smith Electric Tool Co. ("Ideal" Portable Electric), 8th & B'way, Cincinnati, O.
Norton Co., Barbers Crossing, Worcester, Mass.
Pratt & Whitney Co. (Vertical), Hartford, Conn.
See adv index at end of book
Reed Prentice Co., 677 Cambridge, Worcester, Mass.
Reid Bros. Co. ("Reid"), Beverly, Mass.
Robbins Machine Co. ("Bay State"), 42 La Grange, Worcester, Mass.
Sanford F. C. Mfg. Co. ("Sanford" "Precision Centerless), Bridgeport, Conn.
Simmons Machine Co., Inc., 987 Broadway, Albany, N. Y.
Sommer & Adams Co., 18511 Euclid av, Cleveland, Ohio
Springfield Mfg. Co. (Planer & Vertical Type), Bridgeport, Conn.
Stein Wm. P. & Co., Rochester, N. Y.
Stow Mfg. Co., Inc., Binghamton, N. Y.
See adv index at end of book
Tanite Co., Stroudsburg, Pa.
United States Electrical Tool Co. (Portable Electric), Cincinnati, O.
Universal Grinding Machine Co. ("Bath Universal"), Fitchburg, Mass.
Valley City Machine Works, Grand Rapids, Mich.
Walker O. S. Co., 12 Westland, Worcester, Mass.
WILMARTH & MORMAN CO. ("New Yankee"), 1174 Monroe av, Grand Rapids, Mich.
See adv index at end of book

5652—Grinders (Swing Frame)

BRIDGEPORT SAFETY EMERY WHEEL CO. ("Bridgeport Safety"), 88 Knowlton, Bridgeport, Conn.
See adv index at end of book
Excelsior Tool & Machine Co., 32nd & Ridge, East St. Louis, Ill.
Gallmeyer & Livingston Co. ("Grand Rapids"), Grand Rapids, Mich.
Pittsburgh Grinding Wheel Co., Rochester, Pa.
Safety Emery Wheel Co., Springfield, O.
Springfield Mfg. Co., Bridgeport, Conn.
Sterling Grinding Wheel Co., Tiffin, O.

5653—. Grinders (Taps)

Gallmeyer & Livingston Co. ("Grand Rapids"), Grand Rapids, Mich.
Wells Corporation, The, 15 Arch, Greenfield, Mass. *See adv index at end of book*

5654— Grinders (Tool Post)

American Electric Tool Co. ("Carver" Portable Electric), West Newton, Mass.
Armstrong-Blum Mfg. Co. (Fitted for Attachment to Lathes & Planers), 337 N Francisco av, Chicago, Ill.
Axelson Machine Co., Boyle av & Randolph, Los Angeles, Cal.
Bridgeport Safety Emery Tool Co., 88 Knowlton, Bridgeport, Conn.
See adv index at end of book
Chicago Pneumatic Tool Co., 6 E. 44th, New York *See adv index at end of book*
Cincinnati Electrical Tool Co., Cincinnati, Ohio
Electric Blower Co. ("Marvel"), 350 Atlantic av, Boston, Mass.
Grand Rapids Grinding Machine Co. (Head Only), 30 Ottawa av N. W., Grand Rapids, Mich.
Grant Mfg. & Machine Co. (& Internal), Bridgeport, Conn.
Hisey-Wolf Machine Co. ("Hisey" Portable Electric), Cincinnati, O.
Neil & Smith Electric Tool Co. ("Ideal" Portable Electric), 8th & B'way, Cincinnati, O.
Simmons Machine Co. Inc., 987 Broadway, Albany, N. Y.
Standard Electric Tool Co. (Portable Electric), York & Western av, Cincinnati, O.
Stow Mfg. Co., Inc., Binghamton, N. Y.
See adv index at end of book
United States Electrical Tool Co., Cincinnati, Ohio
Wisconsin Electric Co. ("Dumore" Electric), 17 16th, Racine, Wis.

5655— Grinders (Track Rail)

Atlas Railway Supply Co. ("Atlas"), 431 S Dearborn, Chicago, Ill.
Chicago Pneumatic Tool Co., 6 E. 44th New York *See adv index at end of book*
Ry. Track Work Co. (Reciprocating), E Thompson & Clementon, Phila., Pa.
STOW MFG. CO. (Electric with Flexible Shaft), Binghamton, N. Y.
See adv index at end of book

Grinders (Twist Drill)

See Grinders, Drill.

5656— Grinders (Universal)

Advanced Engineering Co., 464 7th, San Francisco, Cal.
Atkins, E. C. & Co., Indianapolis, Ind.
Brown & Sharpe Mfg. Co., Providence, R. I.
Chicago Pneumatic Tool Co., 6 E. 44th New York *See adv index at end of book*
Cincinnati Grinder Co., Marburg & South, Cincinnati, O.
Draper & Hall Co. ("Draper & Hall"), Dept H, Middletown, Conn.
Fitchburg Grinder Co. ("Fitchburg") (Cylindrical), Fitchburg, Mass.
Gallmeyer & Livingston Co. ("Grand Rapids"), Grand Rapids, Mich.
Gisholt Machine Co. (For Lathe & Planer Tools), Madison, Wis.
Greenfield Tap & Die Corp. ("G. T. D."), Greenfield, Mass.
Hardinge Bros., Inc., 1770 Berteau av, Chicago, Ill.
Landis Tool Co. (Cylindrical), Waynesboro, Pa.
Le Blond, R. K. Machine Tool Co., Cincinnati, O.
McDonough Mfg. Co. (Tools), Eau Claire, Wis.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
Neil & Smith Electric Tool Co. ("Ideal" Portable Electric), 8th & B'way, Cincinnati, O.
Norton Co. (Tool & Cutter), Barbers Crossing, Worcester, Mass.
Oesterlein Machine Co. ("Ohio"), Coleraine av, Cincinnati, O.
Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.
Tabor Mfg. Co. ("Taylor), 18th & Hamilton, Phila., Pa.
Thompson Grinder Co., Springfield, O.
United States Electric Mfg. Co., 300 S Central av, Los Angeles, Cal.
Universal Grinding Mach. Co., ("Bath," Plain, Surface, Disc, Internal & Cutter Grinder, All in One), Fitchburg, Mass.
Van Dorn Electric Tool Co., 2978 Woodhill, Cleveland, O.
Walker O. S. Co., 12 Westland, Worcester, Mass.
Williams, White & Co., 301 8th, Moline, Ill.
WILMARTH & MORMAN CO., 1174 Monroe av, Grand Rapids, Mich.
Woods Engineering Co. (Tool & Cutter Grinder), Alliance, O.

5657— Grinders (Valve)

Advanced Engineering Co., 464 7th, San Francisco, Cal.
Albertson & Co., Inc., Sioux City, Ia.
Black & Decker Mfg. Co. (Electric) H E Penn av, Baltimore, Md.
Cleveland Pneumatic Tool Co. ("Cleveland" Pneumatic Portable), 3734 E 78th, Cleveland, Ohio
See adv index at end of book
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Favorite Mfg. Co. ("Favorite" Automobile), 183 W Maple, Columbus, O.
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Fry B. L. Mfg. Co. ("McCullough" Automatic), 9th & Monroe, St. Louis, Mo.
Goodell-Pratt Co. (Automobile), Greenfield, Mass.
Graham Roller Bearing Co., Coudersport, Pa.
Lapoint, J. N. Co. ("Arnold" for Automobiles, Gas Engines, etc.), New London, Conn.
Le Blond R. K. Machine Tool Co., Cincinnati, O.
Millers Falls Co. ("Millers Falls"), Dept H, Millers Falls, Mass.
Motch & Merryweather Machinery Co. ("Misch"), 711 Lakeside av, N W, Cleveland, O.
Newton Mfg. Corp. ("Minute"), Plainville, Conn.
See adv index at end of book
Quaker City Rubber Co. ("Daniel's"), 3927 Comly, Philadelphia, Pa.
See adv index at end of book
Reliable Air Machine Co., 752 E Pico, Los Angeles, Cal.
Sawyer Weber Tool Co. (Valve Seat Grinder), 350 S. Alameda, Los Angeles, Cal.
Syracuse Wrench Co., 325 W Fayette, Syracuse, N. Y.
Universal Equipment Supply Co. ("Simplicity," "Royal"), 107 N. Franklin, Syracuse, N. Y.

Veltum & Clow Mfg. Co. ("Veltum's" Pneumatic), Eugene, Ore.
Williams, White & Co., 301 8th, Moline, Ill.
Wisconsin Electric Co. ("Dumore" Elec.), 1602 Junction av, Racine, Wis.

5658— Grinders (Vertical)

Badger Tool Co. ("Badger" Spindle), Beloit, Wis.
Blanchard Machine Co. ("Blanchard" Surface), Cambridge, Mass.
Diamond Machine Co. ("Diamond". Also with Polishing Drum), Providence, R. I.

GARDNER MACHINE CO. (Disc), Thompson st, Beloit, Wis.
See adv index at end of book
Springfield Mfg. Co. (Planer Type), Bridgeport, Conn.

5659— Grinders (Wet Tool)

Blount J. G. Co., Everett, Mass.
BRIDGEPORT SAFETY EMERY WHEEL CO. ("Bridgeport Safety"), 88 Knowlton, Bridgeport, Conn.
See adv index at end of book
Clark Jas. Jr., Electric Co. (Electrically Driven), Louisville, Ky.
Cleveland Automatic Machine Co. ("Cleveland" Tool & Surface), Cleveland, O.
Diamond Machine Co. ("Diamond"), Providence, R. I.
Gallmeyer & Livingston Co. ("Grand Rapids"), Grand Rapids, Wis.
Harris Engineering Co. (Automatic Hob & Form Cutter), Bridgeport, Conn.
Hisey-Wolf Machine Co. ("Hisey" Electric), Cincinnati, O.

HOPPEN J. E. & SONS, 78 Main, Belleville, N. J.
See adv index at end of book
Hoysradt & Case, Kingston, N. Y.
Landis Tool Co., Waynesboro, Pa.
Lutter & Gies ("Milwaukee"), 258 Lake, Milwaukee, Wis.
Mummert Dixon Co. ("Mummert Dixon"), Hanover, Pa.
Noble & Westerbrook Mfg. Co., Hartford, Conn.
Ransom Mfg. Co. (Belt or Motor Driven), Oshkosh, Wis.
Rockford Drilling Machine Co., Rockford, Ill.
Ryerson Jos. T. & Son, Inc., 2558 W. 16th, Chicago, Ill. *See adv index at end of book*
Safety Emery Wheel Co., Springfield, O.
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
Springfield Mfg. Co. ("Brandes" Ball Bearing "Springfield," Double), Bridgeport, Conn.
Taylor & Fenn Co., Hartford, Conn.
Washburn Shops (Drill), Boynton, Worcester, Mass.

WILMARTH & MORMAN CO., 1174 Monroe av, Grand Rapids, Mich.
See adv index at end of book
Worcester Pattern & Model Co., 93 Foster ("Anderson"), Worcester, Mass.
York Metal & Alloy Co., York, Pa.

5660-61—Grinders (Wood Pulp)

See also Paper & Pulp Mill Machinery

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Appleton Machine Co. ("Success", Screening Girder), Appleton, Wis.
Bagley & Sewall Co., Watertown, N. Y.
Baker Mfg. Corp., Saratoga Springs, N. Y.
Brown A. & F. Co., 79 Barclay, New York
Holyoke Machine Co., Holyoke, Mass.
Pusey & Jones Co., Wilmington, Del.
Scott Olin (Est. of), Bennington, Vt.
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

5662—Grinding & Pulverizing Works

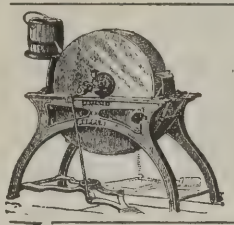
Schutz-O'Neill Co., 620 Corn Exchange bldg, Minneapolis, Minn.

5662a—Grindstone Boxes & Frames

American Tool & Machine Co., 10 High, Boston, Mass.
Athol Machine & Foundry Co., Athol, Mass.
Defiance Mach. Works (Iron), Defiance, O.
Cleveland Stone Co. (Grindstone Frames), 1836 Euclid av, Cleveland, O.
Grabo E. O. Machine Works (Iron, also Motor Driven), 180 Centre, New York

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Hoppen J. E. & Sons ("Hoppen"), 78 Main, Belleville, N. J.
See adv index at end of book



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78 MAIN STREET
BELLEVILLE, N. J.

Oliver Machinery Co. ("Oliver", Frames Only), Grand Rapids, Mich.
Smith H. B. Machine Co. (Iron), Smithville, N. J.

5663— Grindstone Fixtures

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Cleveland Stone Co., 1836 Euclid av, Cleveland, O.
Enterprise Hardware Mfg. Co., Frederick, Md.
Grey Iron Casting Co., Mt. Joy, Pa.
Hoppen J. E. & Sons (Arbors, Troughs), 78 Main, Belleville, N. J.
Richards-Wilcox Mfg. Co. ("Richards" Ball Bearing), Aurora, Ill.
See adv index at end of book
Sargent & Co., Water & Wallace, New Haven, Conn.
Stowell Co. The., South Wilwaukee, Wis.
Susquehanna Casting Co., Wrightsville, Pa.
Weller Hardware & Foundry Co., Horseheads, N. Y.
Wrightsville Hdw. Co., Wrightsville, Pa.

5663a—Grindstone Spindles

Hoppen J. E. & Sons (With hardened points), 78 Main, Belleville, N. J.
See adv index at end of book

5664—Grindstone Truing Device

Athol Machine Co., Athol, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
H. P. Co., 813 Dime Bank bldg, Detroit, Mich.
Hoppen J. E. & Sons ("Hoppen"), 78 Main, Belleville, N. J.

5665— Grindstones

Cleveland Stone Co. ("Sterling," "Harvest King"): 1836 Euclid av, Cleveland, O.
Columbia Stone Co. (Loose & Mounted), Soc. for Sav. bldg, Cleveland, O.
Constitution Stone Co., Constitution, O.
Eureka Mower Co., 1005H Hickory, Utica, N. Y.
Grabo E. O. Machine Works (Iron, Frame, also Motor Driven), 180 Centre, New York
Hoppen J. E. & Sons, 78 Main, Belleville, N. J.
Lombard & Co. (Nova Scotia), **236 A, Boston,** Mass.
Marietta Stone Co. (For Saw & Edge Tools, Files, etc), Marietta, O.
Morris E. K. & Co., 317 W 2d, Cincinnati, Ohio
Ohio Quarries Co. ("Buckeye"), Citizens bldg, Cleveland, O. Quarries & Mills: Amherst, O.
Richards-Wilcox Mfg. Co. **("Victor" & "King" Tubular Ball Bearing; also "Eli" Ball Bearing, "Climax" Wood** Frames, "Cycle," "Velox" Steel Frame, Ball Bearing), **Aurora, Ill.**
See adv index at end of book
Wallace Co., Port Austin, Mich.

5666— Grindstones (Kitchen)

Cleveland Stone Co., 1836 Euclid av, Cleveland, O.
Richards-Wilcox Mfg. Co. ("Richards" Ball Bearing), Aurora, Ill.
See adv index at end of book

5667— Grippers (Guy)

Athol Mach. & Foundry Co. (Iron Frames), Athol, Mass.
Channon Jas. H. Mfg. Co. ("Gibson's"), 227 W Erie, Chicago, Ill.

5667a— Grips (Bicycle)

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Gray Machine & Parts Corp., Dept H, Batavia, N. Y.
Stevenson Mfg. Co. (& Motorcycle Handle Bar, Wooden), South Bend, Ind.
See adv index at end of book

5668— Grips (Cable)

See also Comealongs

Hallett Iron Works ("McMahon"), Harvey, Ill.
Klein Mathias & Sons ("Quick Samson"), 3200 Belmont, Chicago, Ill.
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.
Universal Cable Grip Co. ("Universal," for Underground or Aerial Cables), Skaneateles, N. Y.
Western Elec. Co., 463 West, New York

5669— *Grips (Handle Bar)

Bogert & Hopper, Inc. (Bicycle & Motorcycle), 57 Barclay, New York.
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

5670— Grips (Motorcycle)

Continental Rubber Works ("Continental-Erie" Reinforced with Steel, "Vitalic"), Erie, Pa.
Empire Fire & Rubber Corp., Trenton, N. J.
Pennsylvania Rubber Co., Jeannette, Pa.

Grips (Nail)

See Claws & Grips, Nail

5671— Grips (Pipe)

Athol Mach. & Foundry Co., Athol, Mass.
Lockhart R. James, 201 Millvale, Pittsburgh, Pa.
Prentiss Vise Co. ("Peerless"), 110 Lafayette, New York

5672—Grips (Socket Strain Relief)

Trumbull Elec. Mfg. Co., Plainville, Conn.

Grips (Stair)

See Fasteners, Grips & Buttons

5673-4-5-6—Grips (Steering Lever)

American Enamel Co., Neville, Providence, R. I.
Goodrich B. F. Co., Akron, O.
Goodyear Tire & Rubber Co., Akron, O.
Parker-Stearns & Co. ("Alpha," Rubber), 286 Sheffield av, Brooklyn, N. Y.

Grips (Wire)

See Clamps, Lineman's Splicing

5756— Grit (Mica Quartz)

New York Pyrites Co., Inc., 25 Broad, New York

5677— Grits (Hominy)

American Hominy Co., 1857 Gent, Indianapolis, Ind.
Durst Milling Co., Dayton, Ohio
Lafayette Corn Flour Mills, LaFayette, Ind.
Marco Mills, Pine Bluffs, Ark.

5677a—Grizzlies (Rock Crusher)

Allis-Chalmers Mfg. Co. (Chain Type "Barr"), Milwaukee, Wis.

5678—Grommet Inserting Dies & Cutters

Neptune Hardware Mfg. Co., 80 Warren, New York
Osborne C. S. & Co., Box 183, Newark, N. J.
See adv index at end of book
STIMPSON EDWIN B. CO., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Wilcox, Crittenden & Co., Inc., Middletown, Conn. *See adv index at end of book*

5679— Grommets (Metal)

American Ring Co., Waterbury, Conn.
Berbecker & Rowland Mfg. Co., Waterville, Conn.
Bridgeport Coach Lace Co. ("Bridgeport" Dealers), 813H Wood av, Bridgeport, Conn.
Dallas Brass & Copper Co. (Brass, Copper & Steel), 820H Orleans, Chicago, Ill.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Humphrys' R. A. Sons (Brass), 1026 Callowhill, Phila., Pa.
See adv index at end of book
Jenkinson R. C. & Co., **293 Washington,** Newark, N. J.
Laughlin Thos. Co. (Brass), **135 Fore,** Portland, Me.
See adv index at end of book
Lussky White & Collidge (Mattress Ventilator Dirs), 69 W Lake, Chicago, Ill.
Neptune Hardware Mfg. Co., 80 Warren, New York
Ohio Nut & Bolt Co., Berea, O.
Rimmon Eyelet Co., Seymour, Conn.
Scovill Mfg. Co. (To Order Only), Waterbury, Conn. *See adv index at end of book*

(Continued on following page)



Grommets (Metal)—Continued

STIMPSON EDWIN B. CO. (Round & Oval), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book

Waterbury Brass Goods Corp., Waterbury, Conn.

WATERBURY BUTTON CORP., 831 S Main, Waterbury, Conn.
See adv index at end of book

Waterbury Mfg. Co., Waterbury, Conn.

Wilcox, Crittenden & Co., Inc. (Brass), 444 S Main, Middletown, Conn.
See adv index at end of book

5679a—Groomers (Live Stock Vacuum)

Kent Co., 57 Dominick, Rome, N. Y.

5680— Groovers (Belt)

Manufacturers' Belt Hook Co. ("L K"), 1321 W Congress, Chicago, Ill.

5681—Groovers (Sheet Metal)

Barber Mfg. Co., Ashtabula, O.

Crescent Tool Mfg. Co. (Carriage, Sidewalk, Adjustable & Center Plate), 1002 Cass av, St. Louis, Mo.

Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.

5681a—Grooving Attachments (Planer)

Flory S. Mfg. Co. (Slate), Bangor, Pa.
See adv index at end of book

5681a—*Ground Throw Stands

Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*

5682—*Ground Wire Clamps (Telephone Wires)

DIAMOND EXPANSION BOLT CO., 19 West, New York
See adv index at end of book

5682a— Grounding Devices

Arrow Conductor & Mfg. Co., 1536 W Adams, Chicago, Ill.

Burn-Boston Battery & Mfg. Works, 30 Boylston, Boston, Mass.

Cope T. J. (Attaching Plates), 2112 Sansom, Philadelphia, Pa.

Dossert & Co., 242 W 41st, New York

Fairmount Electric & Mfg. Co., 59th & Woodland, Phila., Pa.

Fargo Mfg. Co., Poughkeepsie, N. Y.

G. & W. Electric Specialty Co., 7440 S Chicago av, Chicago, Ill.

Horne Mfg. Co., 4 College pl., Brooklyn, N. Y.

Paragon Electric Co. (Ground), 9 S Clinton, Chicago, Ill.

Shaw Insulator Co., 146 Colt Irv., Newark, N. J.

5683— Guaiacol

Cooper & Cooper, Inc. (Carbonate), 23H Cliff, New York

Hoffmann La Roche Chemical Works, 19 Cliff, New York

Lyon Julian W. (Imp), 75 Fulton, New York

Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

Merck & Co. (Also Carbonate), 45 Park pl., New York.

5684—Guard Rail Brace & Tie Plate (Combined)

American Frog & Switch Co., Hamilton, O. *See adv index at end of book*

Atlas Railway Supply Co. (Tie Plate), 431H S. Dearborn, Chicago, Ill.

Ramapo Iron Works ("Ramapo"), Hillburn, N. Y.

Guards (Belt)

See Guards & Safety Devices Machinery

5685— Guards (Burner)

Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book

Knight Maurice A., Akron, O.

5686—Guards (Cattle, for Railways)

American Bridge Co., 30 Church, New York

Columbian Mail Crane Co. ("Columbian" Steel), Columbus, O.

Cook Standard Tool Co. ("Cook's" Steel), Kalamazoo, Mich.

Fairbanks, Morse & Co. ("Sheffield"), 900 S Wabash av, Chicago, Ill.

Fairbanks, Morse & Co., Three Rivers, Mich.

Fox Bros. & Co., 126 Lafayette, New York

Great Western Furnace Co., 420 W Warren, Denver, Col.

Kalamazoo Railway Supply Co. ("Perfect," Steel Surface & "Oaken," Wood Surface), Kalamazoo, Mich.

Guards (Concrete Curb)

See Concrete Curb, Steel Bound

5687— Guards (Door)

Anchor Post Iron Works, 50 Church, New York *See adv index at end of book*

Brassco Mfg. Co. (Brass), 5029 S. Wabash av, Chicago, Ill.

Champion Hardware Co. ("Champion"), Geneva, Ohio

Christiansen L., 2544 Broad, Lynn, Mass.

Colonial Fireplace Co., 4631 W 12th, Chicago, Ill.

COLUMBUS BRASS CO., 620 Dublin av, Detroit, Mich.
See adv index at end of book

Columbus Structural Steel Co. (Wrought & Iron), Columbus, O.

Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book

Expanded Metal Safety Guard Co., 14th & Vernon av, Long Island City, N. Y.

Fort Pitt Steel & Iron Works, 302H Fulton bldg, Pittsburgh, Pa.

Hester Mfg. Co. (Brass), 5035 S Wabash av, Chicago, Ill.

Imperial Brass Mfg. Co., 1200 W. Harrison, Chicaago, Ill.

Perkins Mfg. Co., University & Fairview av, St. Paul, Minn.
See adv index at end of book

Portage Iron & Wire Co., 1131 Johnston, Akron, Ohio

Southern Wire & Iron Wks. (Burglar Proof Windows & Doors), Atlanta, Ga.

Stolz Jos & Son, Inc., Commerce av & W 170th, New York

Wrobbel-Maine Co. (The), 3106 E 63rd, Cleveland, Ohio

5688— Guards (Dust)

BREESE BROS. CO., THE, 2349 Reading rd, Cincinnati, O.
See adv index at end of book

Chicago Rawhide Mfg. Co. (The) (Leather), 1307 Elston av, Chicago
See adv index at end of book

Continental Fibre Co. (Fibre for Journal Boxes, Bearings, etc), Newark, Del.

DELAWARE HARD FIBRE CO. (Hard Fibre for Journal Boxes, Bearings, etc.), Wilmington, Del.
See adv index at end of book

Expanded Metal Safety Guard Co., 14th & Vernon av, Long Island City, N. Y.

Guards (Electric Lamp)

See Lamp Guards

5689—Guards (Emery Wheel)

Barker Bros., Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book

Challenge Machine Co., 5116 Springfield av, Phila., Pa.

Challoner Co., Oshkosh, Wis.

Expanded Metal Safety Guard Co., 14th & Vernon av, Long Island City, N. Y.

Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*

Lockhart-Hodge Co., Inc., White bldg., Buffalo, N. Y.

Ransom Mfg. Co., Oshkosh, Wis.

Woods-Sherwood Co. (Adjustable, etc), 28 Union, Worcester, Mass.

5690— Guards (Extractor)

Utica Novelty & Mill Specialty Co., Utica, N. Y.

Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*

5690a—Guards (Flower Bed)

Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book

Page Steel & Wire Co., Adrian, Mich.

Wrobbel-Maine Co. (The), 3106 E 63rd, Cleveland, Ohio

5691— Guards (Foot)

American Frog & Switch Co., Hamilton, O. *See adv index at end of book*

Track Specialties Co., 29 B'way, New York

Wharton Wm. Jr. & Co. Inc., Easton, Pa.

5692— Guards (Gear)

BREESE BROS. CO., THE, 2349 Reading rd, Cincinnati, O.
See adv index at end of book

The Breese Bros. Company
SHEET METAL WORK
Pressed Steel
Welded and Riveted Machine Guards
(Made from plain perforated or Expanded Metal)
2347 Reading Rd., Cincinnati, Ohio

Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Expanded Metal Safety Guard Co., 14th & Vernon av, Long Island City, N. Y.
GERDES & CO., INC. (to your drawings or our standard design), 42 Church, New York
See adv index at end of book
Heltzel Steel Form & Iron Co. (The), Warren, O.
See adv index at end of book
Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cinncinnati, O.
Littleford Bros., 444 E Pearl, Cincinnati, Ohio *See adv index at end of book*
Lockhart-Hodge Co., Inc., White bldg., Buffalo, N. Y.
PENNA FURNACE & IRON CO., 373 Pine, Warren, Pa. *See adv index at end of book*
Surty Guard Co. Inc., 4139 W Kinzie, Chicago, Ill.

5693— Guards (Grain Lifter)

Blocki F. Co., Sheboygan, Wis.
Franzmeier Louis, Timothy, Wis.
Gaterman Mfg. Co. (For Binders & Mowers), Manitowoc, Wis.
Hamachek Frank ("Ideal"), Kewaunee, Wis.
Hirsch Bros., 267 Reed, Milwaukee, Wis.
Hudson Mfg. Co., 324 3d av N, Minneapolis, Minn.
Noll Bros., 849 Allis, Milwaukee, Wis.

5694— Guards (Hub)

Expanded Metal Safety Guard Co., 14th & Vernon av, Long Island City, N. Y.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Lanz M. Bolt Co. (For Telegraph Poles), 2907H Carson, Pittsburgh, Pa.

5695— *Guards (Jointer)

Lockhart-Hodge Co., Inc., White bldg., Buffalo, N. Y.
Surty Guard Co., 4139 W. Kinzie, Chicago Ill.

5696— Guards (Key Hole)

Schroder J. B. & Co. ("Schroder"), 133 E 5th, Cincinnati, O.

5697— Guards (Manhole)

Bissell F. Co. ("Security"), Toledo, O.
Expanded Metal Safety Guard Co., 14th & Vernon av, Long Island City, N. Y.
Hallett Iron Works ("Hallett"), Harvey, Ill.
Universal Cable Grip Co., Skaneateles, N. Y.

5698—Guards (Motor Cycle Chain & Sprocket)

Geuder, Paeschke & Frey Co. (Stamped), 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Zeigler Mfg. Co., Alexandria, Ind.

5699—Guards (Mower & Reaper)

Gaterman Mfg. Co., Manitowoc, Wis.
Henry & Allen, Auburn, N. Y.
Herschel R. Mfg. Co., Peoria, Ill.

5700— Guards (Mud)

For Bicycles, Motorcycles, etc

Humphry's R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cincinnati, O.
Littleford Bros., (Auto Truck), 444 E. Pearl, Cincinnati, Ohio
See adv index at end of book
McKinney Jas. & Son, Albany, N. Y.

5701—Guards (Nose, Football)

Goodrich B. F. Co. (Rubber), Akron, O.

5701a— *Guards (Razor)

Stimpson, Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book

5702— Guards (Safety Car)

McGuire-Cummings Mfg. Co. (Coil Spring Safety Guards Used Between Cars), Harris Trust & Savings bldg, Chicago, Ill.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Tyler W. S. Co., Cleveland, O.
See adv index at end of book

5703— Guards (Saw)

Atlas Mfg Co., Orlando, Fla.
Bass Bros. & Shaper (Ceiling Suspended Wire Hood Circular), 375 Ridur, New York.
Berry Machinery & Supply Co., 289 W. Santa Clara, San Jose, Cal.
Champion Machinery Co. ("Champion" Automatic Flexible), Joliet, Ill.
Crescent Machine Co., (Table), 512 Oak, Leetonia, Ohio
See adv index at end of book
Grammes L. F. & Sons, 311 Union, Allentown, Pa.
See adv index at end of book
Huther Bros. Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Lockhart-Hodge Co., Inc., White bldg., Buffalo, N. Y.
Meyers Fred J. Mfg. Co., Hamilton, O.
Oliver Machinery Co. ("Oliver"), Grand Rapids, Mich.
Porter, C. O., Machinery Co., 666 Front av, N. W., Grand Rapids, Mich.
Surty Guard Co., 4139 W Kinzie, Chicago, Ill.

5704— Guards (Shaper)

BREESE BROS. CO., THE, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Crescent Machine Co., 512 Oak, Leetonia, Ohio *See adv index at end of book*
Expanded Metal Safety Guard Co., Fourteenth & Vernon av, Long Island City, N. Y.
Huther Bros Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Lockhart-Hodge Co., Inc., White bldg., Buffalo, N. Y.
Racine Tool & Machine Co. (For Wood Shapers), Racine, Wis.
Vandergrift & Morris, Shelbyville, Ind.

5704a— Guards (Skylight)

Badger Wire & Iron Works (Wire), 25th & Cleveland av, Milwaukee, Wis.
Barnes Wire Fence Co., 1930 Ferry Pk. av, Detroit, Mich.
Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y.
See adv index at end of book
Cincinnati Iron Fence Co., 3312 Spring Grove av, Cincinnati, Ohio
See adv index at end of book
Cyclone Fence Co., Waukegon, Ill.
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Dufur & Co., 311 N Howard, Baltimore, Md.
Estey Wire Works Co., 34 Cliff, New York
Expanded Metal Safety Guard Co., Fourteenth & Vernon av, Long Island City, N. Y.
Knapp Fence Co., 1152 E. 134th, Cleveland, Ohio
Meyers Fred J. Mfg. Co., Hamilton, O.
Michel & Pfeffer Iron Works, 1417 Harrison, San Francisco, Cal.
Portage Iron & Wire Co., 1131 Johnston, Akron, Ohio
Racine Tool & Machine Co. (For Woodshapers), Racine, Wis.
West Coast Wire & Iron Works, 861 Howard, San Francisco, Calif.
Wis. Iron & Wire Wks., 1660H Booth, Milwaukee, Wis.
Wrobbel-Maine Co. (The), 3106 E 63rd, Cleveland, Ohio

5704b— Guards (Tree)

See also Iron Railings & Fences; also Wire Fences & Gates

Anchor Post Iron Works, 50 Church, New York. *See adv index at end of book*
Cincinnati Iron Fence Co., 3312 Spring Grove av, Cincinnati, O.
See adv index at end of book
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Dow Co., 201H N. Buchanon, Louisville, Ky.
Mott, J. L., Iron Works, Trenton, N. J.
Page Steel & Wire Co., Adrian, Mich.
Stewart Iron Works Co., Inc., 238 Stewart block, Cincinnati, Ohio
See adv index at end of book
Wrobbel-Maine Co. (The), 3106 E 63rd, Cleveland, Ohio
Yucca Mfg. Co. ("Yucca-Palm" Protectors), 1380 Willow, Los Angeles, Cal.

5705— Guards (Trolley)

Automatic Trolley Guard Co., 65 Carroll, Buffalo, N. Y.
National Railroad Trolley Guard Co., Olean, N. Y.
Ohio Brass Co., Mansfield, O.

5706—Guards (Wheel or Corner)

(For Protecting Walls from Wagon Wheels)

Auer John Jr. (Wrought Iron), 197 Middleton, Brooklyn, N. Y.
Canton Foundry & Machine Co. (Cast Iron for Buildings), Canton, O.
See adv index at end of book
Casey, Hedges & Co. (For Protecting Walls from Wagon Wheels), 26th & Chestnut, Chattanooga, Tenn.
Crown Iron Wks. Co., 1229 Tyler, Minneapolis, Minn.
Donley Bros. Co. (The), 13935 Miles av, Cleveland, O.
See adv index at end of book
Indiana Foundry Co., Dept H, Indiana, Pa.
International Steel & Iron Co. (Cast Iron), 1243 Edgar, Evansville, Ind.
Kramer Bros. Foundry Co., Dayton, O.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Michel & Pfeffer Iron Works, 1417 Harrison, San Francisco, Cal.
Republic Structural Iron Wks. Co., 1350 E 53d, Cleveland, O.
Smith A. L. Iron Wks., Chelsea, Mass.
Smith F. P. Wire & Iron Works, 2346-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Wis. Iron & Wire Wks., 1660 Booth, Milwaukee, Wis.
Withers Foundry & Machine Works, Atlanta, Ga.

Guards (Window)

See Grilles, Various Kinds

5707—Guards (Wire, Machine)

Acme Fence & Iron Co., 3502H Lake av, Cleveland, Ohio
American Wire & Iron Works, 323-325 N San Pedro, Los Angeles, Calif.
Badger Wire & Iron Works, 25th av & Cleveland, Milwaukee, Wis.
BREESE BROS. CO., THE, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Cincinnati Iron Fence Co., 3312 Spring Grove av, Cincinnati, O.
See adv index at end of book
Cincinnati Mfg. Co., Cincinnati, O.
City Wire & Iron Works, Inc., 335 N San Pedro, Los Angeles, Calif.
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Dufur & Co., 311 N Howard, Baltimore, Md.
Expanded Metal Safety Guard Co., Fourteenth & Vernon av, Long Island City, N. Y.
Laughlin Thos. Co., (Rudder), 125 Fore, Portland, Me.
See adv index at end of book
Mesker, Geo. L. & Co., Evansville, Ind.
Michel & Pfeffer Iron Works, 1417 Harrison, San Francisco, Cal.
Norwich Wire Works, Norwich, N. Y.
Peerless Wire Goods Co., Dept H, Lafayette, Ind.
Pennsylvania Furnace & Iron Co., 373 Pine, Warren, Pa.
See adv index at end of book
Portage Iron & Wire Co., 1131 Johnston, Akron, Ohio
Rochester Brass & Wire Works, 76H Exchange, Rochester, N. Y.
Smith A. L. Iron Wks., Chelsea, Mass.
Smith F. P. Wire & Iron Works, 2346-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Smith T. S., 269 Pearl, New York
STEWART IRON WORKS CO., INC., 238 Stewart Blk, Cincinnati, O.
See adv index at end of book
Syracuse Wire Works, 101 University av, Syracuse, N. Y.
West Coast Wire & Iron Works, 861 Howard, San Francisco, Calif.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wrobbel-Maine Co. (The), 3106 E 63rd, Cleveland, Ohio

5708—Guards & Safety Devices (Machinery)

(Attachments for Preventing Accidents to Workmen)

Acme Fence & Iron Co., 3502H Lake av, Cleveland, Ohio.
Acme Guard Co. ("Jones"), 150 Nassau, New York
American Wire & Iron Works, 323-325 N San Pedro, Los Angeles, Calif.
Anchor Post Iron Works, 50 Church, New York *See adv index at end of book*
Aykroyd Iron Works Inc., 44 Rockdale, Worcester, Mass.
Bastian-Blessing Co. (Oxy-Acetylene Regulator), 135 W Austin av, Chicago, Ill.
BREESE BROS. CO., THE, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
BUFFALO WIRE WORKS CO., 453 Terrace, Buffalo, N. Y.
See adv index at end of book
Chapman Wm. O. Co., 30 Church, New York
Cincinnati Iron Fence Co., 3312 Spring Grove av, Cincinnati, O.
See adv index at end of book
City Wire & Iron Works Inc., 335 N San Pedro, Los Angeles, Cal.
Colonial Supply Co., 414 1st av, Pittsburgh, Pa.
Connecticut Blower Co., Inc., 133 Sheldon, Hartford, Conn.

(Continued on following page)

WIRE GUARDS FOR WINDOWS, DOORS, SKYLIGHTS MACHINERY

WIRE PARTITIONS for Stockrooms, Offices, Tool Rooms, etc.

PENNSYLVANIA WIRE WORKS

EDWARD J. DARBY & SON 319 VINE STREET **Philadelphia, Pa.**

Guards & Safety Devices (Machinery)—Continued

Corbin Cabinet Lock Co. (Safety Press Guards), New Britain, Conn.
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Davidoff J. (Safety Guards for Typesetting Machines), 733 Lafayette av, Brooklyn, N. Y.
Dufur & Co., 311 N Howard, Baltimore, Md.
Estey Bros. Co., 1006 Metropolitan av, Brooklyn, N. Y.
Expanded Metal Safety Guard Co., Fourteenth & Vernon av, Long Island City, N. Y.
GEUDER PAESCHKE & FREY CO. ("G. P. & F." Aattachment for Preventing Accidents on Punch Presses), 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Holzer, R. G. (Est of), 317 Burgundy, New Orleans, La.
Knapp Fence Co., 152 E 134th, Cleveland, Ohio
Lock H. A. Co. (Guards), 243 44th, B'klyn, N. Y.
Lockhart-Hodge Co., Inc. ("Jones" Safety Guard for Preventing Accidents on Wood Working Machinery), 12 Waverly, Buffalo, N. Y.
Los Angeles Wire & Iron Works, 214 E 9th, Los Angeles, Calif.
Marshall Blow Pipe Co., 7431 Dubois, Detroit, Mich.
Meyers Fred J. Mfg. Co., Hamilton, O.
Nazareth Foundry & Machine Co., Nazareth, Pa.
North Western Expanded Metal Co. ("Econo" Expanded Metal), 1220 Old Colony bldg, Chicago, Ill.
Norwich Wire Works, Norwich, N. Y.
Orr Mach. Guarding Co. ("Safety First"), Trenton, N. J.
Page Steel & Wire Co., Adrian, Mich.
Peerless Wire Goods Co., Dept H, Lafayette, Indiana.
Pennsylvania Furnace & Iron Co., Warren, Pa. *See adv index at end of book*

PENNSYLVANIA FURNACE & IRON COMPANY
WARREN, PA.
All kinds of machine and gear guards to sketch or drawing.

Portage Iron & Wire Co., 1131 Johnston, Akron, Ohio
Prentice G. E. Mfg. Co., New Britain, Conn.
Ready Tool Co. ("Safety Belt Stick"), Bridgeport, Conn.
Rochester Brass & Wire Works, 76H Exchange, Rochester, N. Y.
Safety First Supply Co., 107H Third av, Pittsburgh, Pa.
Smith A. L. Iron Works, Chelsea, Mass.
Stewart Iron Works Co., Inc., 238 Stewart block, Cincinnati, O.
See adv index at end of book
Surty Guard Co., Inc. (& Punch Press), 4139 W Kinzie, Chicago, Ill.
Taylor-Shantz Co., 486 St. Paul, Rochester, N. Y.
Vilsack Martin Co., 3222 Penn av, Pittsburgh, Pa.
West Coast Wire & Iron Works, 861 Howard, San Francisco, Calif.
Wickwire Spencer Steel Corp., 41 E. 42d, New York *See adv index at end of book*
Wrobbel-Maine Co. (The), 3106 E 63rd, Cleveland, Ohio

5708a—*Guards & Safety Devices (of Perforated Metal)

Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Erdle Perforating Co., 171 York, Rochester, N. Y. *See adv index at end of book*

5709— Gudgeons

American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept. H, 14th & State, Chicago Heights, Ill.
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Laughlin Thos. Co., (Rudder), 135 Fore, Portland, Me.
See adv index at end of book
Malleable Iron Fittings Co. ("M. I. F. Co."), Branford, Conn.

5710-11—Guides (Belt)

Dependable Mfg. Co., ("Dependable" fan), 806H E Main, Streator, Ill.
Maytag Co., Newton, Ia.

Guides (Card, Index & Letter)

See Cards (Index & Guide)

5712— Guides (Elevator)

STANDARD GAUGE STEEL CO., Beaver Falls, Pa.
See adv index at end of book
Union Drawn Steel Co., Beaver Falls, Pa.
See adv index at end of book

5712a— Guides (Flask)

Buckeye Products Co. (The) (Buckeye Patented), 915-917 W 5th, Cincinnati, O.
See adv index at end of book

5713— Guides (Lever)

Steel Car Forge Co., Frick bldg., Pittsburgh, Pa.

5714— Guides (Saw)

American Sawmill Machinery Co. ("American"), Hackettstown, N. J.
American Wood Working Machy. Co., Rochester, N. Y.
Atkins E. C. & Co., Indianapolis, Ind.
Automatic Saw Guide & Mach. Co., Irwin, Pa.
Baldwin, Tuthill & Bolton (For Band Saws), Grand Rapids, Mich.
Crescent Machine Co. (Circular), Leetonia, O.
Disston Henry & Sons (Inc.) (Saw Filing), Tacony, Phila., Pa.
Filer & Stowell Co., Milwaukee, Wis.
Henderson W. K. Iron Works & Supply Co., Shreveport, La.
Lane Mfg. Co., Montpelier, Vt.
Murray D. J. Mfg. Co., Wausau, Wis.
New Britain Machine Co. ("Pineo" Band Saw), 190 Chestnut, New Britain, Conn.
Ohlen Bishop Co., 921 Factory, Columbus, O.
Overholt Co., Galesburg, Ill.
Portland Iron Works, 495 Northrup, Portland, Ore.
Reed Hardware & Mfg. Co. ("Hoo-Hoo"), Cairo, Ill.
Root B. M. Co., York, Pa.
Salem Iron Works, Winston-Salem, N C
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Southern Engine & Boiler Mfg. Co., Jackson, Tenn.
Standard Saw Mill Machinery Co., Erie, Pa.
Summer Iron Works, Everett, Wash.
Taylor Iron Works & Supply Co., 1014 Broadway, Macon, Ga.
Union Drawn Steel Co., Beaver Falls, Pa
See adv index at end of book
Union Iron Works, Bangor, Me.

5715— Guides (Tank Valve)

Wolverine Brass Works (Adjustable) Grand Rapids, Mich.

5716— Guides (Wire Mill)

Pittsburgh Iron & Steel Foundries Co., Oliver bldg, Pittsburgh, Pa.

5717—Gum Arabic Importers

Anderson-Hillier Co., Inc., 99H John, New York
Arnold, Cheney & Co., 82 Beaver, New York
Arnold, Hoffman & Co., 55 Canal, Providence, R. I.
Behrend F., Inc., 170 Front, New York.
Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Hewitt C. B. & Bros., Inc., 20 Ferry, New York
See adv index at end of book
Innis, Speiden & Co., Inc., 46 Cliff, New York
Jacob Chas. W. & Allison, 18 Cedar, New York
Lathrop H. R. & Co., 116 Beekman, New York
Morningstar Chas. & Co., Inc., 650 W 34th, New York
Orbis Products Trading Co., Inc., 212 Pearl, New York
RIDDLE CHEMICAL CO. (Amber, Natural Sorts, Sifted Sorts, White Sorts, Granular), 35 S Dearborn st, Chicago, Ill.
See adv index at end of book
Salomon L. A. & Bro., 216 Pearl, New York
Scheel Wm. H., 179 Water, New York
Strahl & Pitsch, 141 Front, New York
Thurston & Braidich, 27 Cliff, New York
Wolf Jacques & Co., Passaic, N. J.
Worden Chemical Works, 4 Cedar, New York

5717a— Gum (Artificial)

Natl. Gum & Mica Co., 12 West End av, New York

5717b— Gum (Benzoin)

Cooper Chas. & Co., 194 Worth, New York
Riddle Chemical Co. (Sumatra Tech.), 35 S Dearborn, Chicago, Ill.
See adv index at end of book

5717c— Gum (Box)

Hewitt C. B. & Bros., Inc., 20 Ferry, New York
See adv index at end of book

5717d— Gum (Congo)

Gillespie L. C. & Sons, 67 Fletcher, New York
Innes & Co., 132 Front, New York
Winterbourne S. & Co., 94 Pine, New York

Gum (Copal)

See Gum Varnish

5717d— Gum (Elemi)

Cooper Chas. & Co., 194 Worth, New York
Innis, Speiden & Co., Inc., 46 Cliff, New York
Riddle Chemical Co., 35 S Dearborn, Chicago, Ill.
See adv index at end of book
Scheel Wm. H., 179 Water, New York
See adv index at end of book

5718— Gum (Envelope)

Behrend F., 170 Front, New York
Bloede Victor G. Co., Caton av, Baltimore, Md.
HIGH SPEED HAMMER CO., Inc. (Elastic Blow), 313 Norton, Rochester, N. Y.
National Paper Product Co., 1789H Montgomery, San Francisco, Cal.
Stein Hall & Co. Inc., 61 B'way, New York

5718a— Gum (Ester)

Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Meyer J. & Sons, Phila., Pa.
Scheel Wm. H., 179 Water, New York
See adv index at end of book

5719— Gum (Finishing)

General Adhesive Mfg. Co., Inc., (For Textiles, "Dragon"), 469 Greenwich, New York
Leyland Thos. & Co., Readville, Boston, Mass.
Stein Hall & Co. Inc., 61 B'way, New York
Wolf Jacques & Co., Passaic, N. J.

5719a-b— Gum (Karaya)

Pollack Weeks Co. Inc. (Imp.), 147 Hudson, New York
Scheel Wm. H., 179 Water, New York
See adv index at end of book
Wolf Jacques & Co., 369 Harrison

5719c— Gum (Manila)

Meyer J. & Sons (Imp.), Phila., Pa.
Scheel Wm. H., 179 Water, New York
See adv index at end of book

5719d— Gum (Mastic)

Cooper Chas. & Co., 194 Worth, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Riddle Chemical Co., 35 S Dearborn, Chicago, Ill.
See adv index at end of book
Scheel Wm. H., 179 Water, New York
See adv index at end of book

5719e— Gum (Pontianak)

Klipstein A. & Co., 644 Greenwich, New York
Meyer J. & Sons (Imp.), Phila., Pa.
Scheel Wm. H., 179 Water, New York
See adv index at end of book

5719f— Gum (Sandarac)

Cooper Chas. & Co., 194 Worth, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Riddle Chemical Co., 35 S Dearborn, Chicago, Ill.
See adv index at end of book
Scheel Wm. H., 179 Water, New York
See adv index at end of book

5719g— Gum (Senegal)

Meyer J. & Sons (Imp.), Phila., Pa.

5720—Gum (Splicing, Pure Rubber)

Clifton Mfg. Co., 65 Brookside av, Jamaica Plain, Boston, Mass.
Consumers Rubber Co. ("Samson"), 1302 Ontario, Cleveland, O.

5721— Gum Substitutes

Spirittine Chemical Co. ("Spirittine"), Wilmington, N. C.
Wolf Jacques & Co., Passaic, N. J.

5721a— Gum (Tragacanth)

Arabol Mfg. Co., 110 E 42nd, New York
Arnold, Hoffman & Co., 56 Canal, Providence, R. I.
Barrett M. L. & Co., 233 W Lake, Chicago, Ill.
Cooper Chas. & Co., 194 Worth, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Hewitt C. B. & Bros., Inc., 20 Ferry, New York
See adv index at end of book
Innis, Speiden & Co., Inc., 46 Cliff, New York
Klipstein A. & Co., 644 Greenwich, New York
Morningstar Chas. & Co., Inc., 650 W 34th, New York
Nat'l Gum & Mica Co., 12 West End av, New York
Riddle Chemical Co. (Ribbon No. 1 & No. 2, Powder), 35 S Dearborn, Chicago, Ill.
See adv index at end of book
Scheel Wm. H., 179 Water, New York
Thurston & Braidich, 27 Cliff, New York
Wolf Jacques & Co., 369 Harrison, Passaic, N. J.

5722— Gum-Lac

Ball Chemical Co. (A Pure Gum & Spirit Varnish), Fulton bldg, Pittsburgh, Pa.

5723— Gummers (Saw)

Adams W. T. Machine Co., Corinth, Miss.
Ajax Mfg. Co. ("Standard," "I X L"), 848 Jackson, Pittsburgh, Pa.
American Wood Preserving Co., 3734 N Marshfield, Chicago, Ill.
Amer. Woodworking Mach. Co., Rochester, N. Y.
Atkins E. C. & Co., Indianapolis, Ind.
California Saw Works, 721 Brennan, San Francisco, Cal.
Challoner Co., Oshkosh, Wis.
Clizbe Bros. Mfg. Co. ("Crown"), Plymouth, Ind.
Covel Mfg. Co., Benton Harbor, Mich.
Diamond Machine Co. ("Diamond"), Providence, R. I.
Disston Henry & Sons ("Victor" Self-Feeding, etc), Tacony, Phila., Pa.
Emerson, Smith & Co., Beaver Falls, Pa.
Fisher & Davis Mfg. Co., St. Louis, Mo.
Gerlach Peter Co., ("Gerlach," for Cylinder, Resaw, Heading, Siding, Shingle, Veneer, etc), 1712 Winter, Cleveland, O.
Henderson W. K. Iron Works & Supply Co., Shreveport, La.
Hinds Thos. Co. (Band Saws), Malone, N. Y.
Howell R. R. & Co., 31st av, Minneapolis, Minn.
Mixter J. W. Saw Tool Co., ("Mixter Champion," with Automatic Self-Feed), Plymouth, Mass.
Reed Hardware & Mfg. Co. (The Hoo-Hoo Saw Gummer & Sharpener), Cairo, Ill.
Riverside Machine Works (Crescent), Kokomo, Ind.
Rogers Samuel C. & Co., 10 Lock, Buffalo, N. Y.
Southern Saw Works, East Point, Ga.
Summer Iron Wks., Everett, Wash.
Tanite Co. ("Densmore"), Stroudsburg, Pa.
Valley City Machine Works (Bench & Saw), Grand Rapids, Mich.

5723a— Gums

American Trading Co., 25 Broad, New York.
Campbell John & Co., 75 Hudson, New York
Gideon Anderson Co., Main & Angelica, St. Louis, Mo.
Hartman-Pacific Co., Inc. (Varnish, Chemical & Drug), 80 Wall, New York
RIDDLE CHEMICAL CO., 35 S Dearborn st, Chicago, Ill.
See adv index at end of book
St. Louis Glue Mfg. Co., 2125 Division, St. Louis, Mo.

5723b— *Gun Cotton

Hercules Powder Co., Wilmington, Del.
Price J. Co. (Imp.), 42 Broadway, New York

5724-5-6—Gun Fire Control System

Sperry Gyroscope Co., ("Sperry"), 40 Flatbush av, Brooklyn, N. Y.

Gun Implements

See Tools, Gun Cleaning & Re-Loading

Gun Mfrs.

See Rifles, Guns, etc

5727—Gun Recoil Pads (Rubber)

Chamberlin Cartridge & Target Co., 514 Prospect av, Cleveland, O.
Goodrich B. F. Co., Akron, O.

5728— Guns (Aeroplane)

General Ordnance Co., Derby, Conn.

5729— Guns (Cement)

Cement Gun Co., Allentown, Pa.
Cement Gun Construction Co., 537 S. Dearborn, Chicago, Ill.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

5729a—Guns (Fire Department)

Naval Co. ("Bridger" Shoulder), Roslyn, Pa.

Guns (Grease)

See Oil & Grease, Guns & Syringes

5729b— Guns (Harpoon)

Naval Co. ("Bridger"), Roslyn, Pa.

5730— Guns (Insect)

Binks Spray Equipment Co., 3129 Carroll, Chicago, Ill.
Feeny Mfg. Co. (Dust), Muncie, Ind.
Houchin Thos. W. Co. ("Lightning," "Eureka," "Star," "Blizzard," "Tornado," "Hurricane," "Jumbo," "Floradora," "Whirlwind"), 393 Broadway, New York
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

5731—Guns (Line Throwing)

Coston Signal Co., Inc. ("Coston" Lyle System), 57 Front, New York
International Ship Fittings & Supply Corp., 212-214 Fulton, Brooklyn, N. Y.
Naval Co. (Shoulder), Roslyn, Pa.
Steward Davit & Equipment Corp., 17 Battery pl, New York

Guns (Machine)

See Ordnance, Light & Heavy

Guns (Paint)

See Guns, Spray

5731a— Guns (Spray)

Bean Spray Pump Co., W. Julian, San Jose, Cal.
BINKS SPRAY EQUIPMENT CO., 3129 Carroll av, Chicago, Ill.
See adv index at end of book
Hoosier Mfg. Co., 1231 Roosevelt av, Indianapolis, Ind.
Myers F. E. & Bro. ("Myers"), 950 Orange, Ashland, Ohio
See adv index at end of book
Specialty Brass Co. Inc., ("Boyce"), Kenosha, Wis.

5731b— Guns (Toy)

Bogert & Hopper Inc. (Wooden), 57 Barclay, New York.
See adv index at end of book
Estes E. B. & Sons (Wooden), 364 5th av, New York *See adv index at end of book*
Markham Air Rifle Co., Plymouth, Mich

Guns (Yacht)

See Cannon, Yacht

5732— Gutta Percha

Bishop Gutta Percha Co. (Tissue), 420 E 25th, New York.

5732a—Gymnasium Lockers

See also Lockers (Steel)

DURABILT STEEL LOCKER CO., Aurora, Ill.
See adv index at end of book

5732b—Gymnasium Racks

See also Racks (Gymnasium)

DURABILT STEEL LOCKER CO., Aurora, Ill.
See adv index at end of book

5733— Gypsum Mfrs.

See also Plaster Manufacturers, Wall

Acme Cement Plaster Co., Frisco bldg, St. Louis, Mo.
Arizona Gypsum Plaster Co., Douglas, Ariz.
Blue Diamond Materials Co., Inc. ("Blue Diamond"), 2200 E. 16th, Los Angeles, Cal.
Cardiff Gypsum Plaster Co., Fort Dodge, Ia.
Colorado Portland Cement Co., Denver, Colo.
Grand Rapids Plaster Co., Grand Rapids, Mich.
Great Western Gypsum Co., 1701 Downey blvd, Los Angeles, Cal.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Lycoming Calcining Co., Williamsport, Pa.
Niagara Gypsum Co., 597 Michigan, Buffalo, N. Y.
Pacific Coast Gympsum Co., Buffalo, N. Y.
Pacific Portland Cement Co., Cons'd Pacific bldg, San Francisco, Cal.
Plymouth Gypseum Co., Fort Dodge, Ia.
Southern Gypsum Co. (Agricultural & Crude), North Holston, Va.
Standard Gypsum Co., Sharon bldg, San Francisco, Cal.
United States Gypsum Co. ("Sheetrock"), 205 W. Monroe, Chicago, Ill.

5734-5— Gyrators

Wolf Co., Chambersburg, Pa.

Hack Saws

See Saw Blades & Frames, Hack, also Hack Saw Machines

5736— Hair (Badger)

Topper & Edelmann, 525 Stone av, Brooklyn, N. Y.

5737— Hair (Cattle)

Caplan S. & Co., 97 Water, New York
Grover John D. & Son, Somerset & Tulip, Philadelphia, Pa.
Harburger & Stack, 83 Gold, New York
Kenworthy's, Thos. Sons (Impts.), 130H Arch, Phila., Pa.
Ritchie Geo. B. & Co. (Imp), 100 Gold, New York

5738— Hair Cloth Mfrs.

American Hair Cloth Co., Pawtucket, R. I.
Cox Geo. S. & Bro., Cambria & Ornes, Phila., Pa.
Davidson M. I. Co., 1100 Shackamaxon & Wildey, Phila., Pa.
Feldstein Chas. H. Co., Jasper & Hagert, Phila., Pa.
Gordon Bros., Pierce & Orthodox, Phila., Pa.
Kensington Hair Cloth Co., Hancock & Somerset, Phila., Pa.
Mawson Jno. Haircloth Co., Venango, E of Kensington, Phila., Pa.
Michle Andrew Y., 5th & Columbia, Phila., Pa.
National Hair Cloth Co., 2950 N Jasper, Phila., Pa.
Niagara Falls Hair Cloth Works, Niagara Falls, N. Y.
Reetz Ewald R., Hulmeville, Pa.
Schadewald Mills, 3d & Huntington, Phila., Pa.
Schelter Jos. J. & Co., 3d & Huntington, Phila., Pa.
Schwehms' John M. Sons, 13 Wister, Phila., Pa.
Western Hair Cloth Co., 3109 S Robinson, Chicago, Ill.

5739— Hair (Curled)

American Glue Co., 121 Beverly, Boston, Mass.
Armour Curled Hair & Felt Works, 1355 W 31st, Chicago, Ill.
Blocksom & Co., Michigan City, Ind.
Burkhart F. Mfg. Co., 4900 N 2nd, St. Louis, Mo.
Chicago Curled Hair Co., 2301H S Paulina, Chicago, Ill.
Cudahy Packing Co., 111 W Monroe, Chicago, Ill.
Delany & Co., Cotton & Delaware, Phila., Pa.
Gem Hammock & Fly Net Co., 326 Florida, Milwaukee, Wis.
Gordon Bros., Pierce & Orthodox, Phila., Pa.
Grover J. D. & Son, Somerset & Tulip, Philadelphia, Pa.
Horwich, Vitkin Co. (Catte Hair), 2301 S Paulina, Chicago, Ill.
Mitchell P. R. Co., Harrison & Spring Grove av, Cincinnati, O.
Pacific Coast Beef & Provision Co., Los Angeles, Cal.
Reardon Glue Mfg. Co., 2nd & Clinton, St. Louis, Mo.
Smith Oscar & Sons Co., C & Clearfield, Phila., Pa.
Snell Chas. W. Co., 937 W 47th, Chicago, Ill.

(Continued on following page)

Hair (Curled)—Continued

Swift & Co., Union Stock Yards, Chicago, Ill.
Tunnell F. W. & Co., 15 N 5th, Phila., Pa.
Wilkens Wm. Co. Frederick av & Wilkens, Baltimore, Md.
Wilson & Co., Union Stock Yds., Chicago, Ill.
Woll, F. P. & Co. (Imitation & Interlaced), Church & Tacony, Phila., Pa.
Woll Peter & Sons Mfg. Co., Mascher & Berks, Phila., Pa.

5740—Hair Dryers (Electric)

Arnold Electric Co., Racine, Wis.
Birtman Elec. Co., 1422 W. Randolph, Chicago, Ill.
Camp Co. ("Invincible"), La Crosse, Wis.
Electric Mfg. Co. ("Solar"), 966 Mission, San Francisco, Cal.
Fitzgerald Mfg. Co., ("Star"), Torrington, Conn.
Geier P. A. Co. ("Royal"), Cleveland, O.
Hamilton-Beach Mfg. Co. ("Hamilton Beach"), Racine, Wis.
Horn Electric Co., 115 N Desplaines, Chicago, Ill.
Hudson Beauty Furn. Co., 1125 Sentous, Los Angeles, Cal.
Jorgenson John Co., Inc., (Dirs.), 120 Liberty, New York
Meyer Wm. Co., 1644 Girard, Chicago, Ill.
Russell Electric Co., ("Hold-Heet"), 340 W Huron, Chicago, Ill.
Slaughter, Wm. E. Co. ("Parisian" Comb), 1716 S Michigan av, Chicago, Ill.
Shelton Elec. Co., 16H E 42nd, New York
Wisconsin Electric Co., ("Dumore"), 1602 Junction av, Racine, Wis.

5741— Hair (Goat)

Caplan S. & Co., 97 Water, New York
Eaton, Schleich & Woll (Imp), 150 Water, New York
Goldstone Joseph, 108 W 34th, New York
Hamburger H. (Imp.), 86 John, New York
Kenworthy's, Thos. Sons (Imps.), 130H Arch, Phila., Pa.
Norden A. & Co. (Imp), 60 Beaver, New York
Polack Co. (Imp), 249 Pearl, New York
Ritchie Geo. B. & Co. (Imp), 100 Gold, New York

5742— Hair (Horse)

Apelt Hermann (Imp.), 76 Wall, New York
Atlas Waste Mfg. Co., (For Railroad Car Seats), Cooper av, Brooklyn, N. Y.
Caplan S. & Co., 97 Water, New York
Cone Fred H. & Co. (Imp.), 181 Front, New York
Eaton, Schleich & Woll, 150 Water, New York
Fearon Brown Co. (Imp.), 96 Wall, New York.
Goldstone Joseph, 108 W 34th, New York
Hamburger H. (Imp.), 86 John, New York
Harburger & Stack, 83 Gold, New York
Horwich, Vitkin Co. (Dressed, for Brush Hair & Weaving), 2301 S Paulina, Chicago, Ill.
Norden A. & Co. (Imp), 60 Beaver, New York
Polack Co. (Imp), 249 Pearl, New York
Ritchie Geo. B. & Co. (Imp.), 100 Gold, New York
Schenkler Philip, 925 E 14th, Brooklyn, N. Y.
Topper & Edelmann, 525 Stone av, Brooklyn, N. Y.
Wilkins Wm. Co., Frederick av & Wilkins, Baltimore, Md.
Willcomb Geo. Co. ("South American"), 60 Chardon, Boston, Mass.

5742a— Halowax

HALOWAX CORP., 247 Park av, New York

5743— Halters

Alexandria Halter Factory (Rope, Leather & Web), Alexandria, O.
Badger Handle Co., 415 3rd, S Milwaukee, Wisconsin
Buffalo Weaving & Belting Co. (Web), 215 Chandler, Buffalo, N. Y.
California Tanning Co. (Leather), 1905 Shenandoah av, St. Louis, Mo.
CHICAGO BELTING CO. (Leather), 110 N Green, Chicago, Ill.
See adv index at end of book
Chicago Rawhide Mfg. Co. (The), 1307 Elston av, Chicago
See adv index at end of book
Cooper Otway (Rope), Urbana, O.
Covert Mfg. Co. (Rope & Web), Troy, N. Y.
Covert Saddlery Works (Rope, Web & Leather), Interlaken, N. Y.
Excelsior Bag & Mfg. Co. (Horse's Feed Bag), Troy, N. Y.
Franklin Cotton Mill Co. (Web), Plum & Charles, Cincinnati, O.
Gem Hammock & Fly Net Co. (Leather), 326 Florida, Milwaukee, Wis.
Graton & Knight Mfg. Co. (The) (Leather), 244 Franklin, Worcester, Mass.
See adv index at end of book
Green Halter Co., Urbana, O.
Holyoke Halter Mfg. Co. (Leather), Holyoke, Mass.
Langstroth T. W., 79 Warren, New York
Modern Weaving & Belting Co., 123 Arthur, Buffalo, N. Y.
National Leather Mfg. Co. (Leather), Niles, Mich.
Nott W. S. Co. (Leather), 2d av N & 3d, Minneapolis, Minn.
Planet Co. (Web), Westfield, Mass.
Rose P. & Sons, 9 S Howard, Baltimore, Md.
Rugg E. T. & Co. (Leather, Rope & Web), Newark, O.
Russell Mfg. Co. ("Rusco" Web), Dept H, Middletown, Conn.
Schenkler Philip, 925 E 14th, Brooklyn, N. Y.
Sells J. H. & F. A. Co. (Rope & Leather), Chestnut & Pearl, Columbus, O.
Western Rawhide & Belting Co. (Leather), 917 Winnebago, Milwaukee, Wis.
Workman H. B. Co. (Web), Lititz, Pa.

5744—Hames (Hard Rubber Covered)

Rubber & Celluloid Product Trimming Co., 56 Ferry, Newark, N. J.

5745—Hames (Mine & Lumbering)

Beagle Hame Works, Freeland, Pa.
Fleming J. R & Son Co., Scranton, Pa.
Hoch Hames Co., Hazelton, Pa.
Olewine Wm. & Son, Hazelton, Pa.
Pittsburgh Harness Supply Co., 325 Penn av, Pittsburgh, Pa.
U. S. Hame Co., Buffalo, N. Y.

5746—Hames (Steel & Wood)

American Hame & Bit Co., 59 N J R R av, Newark, N. J.
Bellefontaine Hame Co., Bellefontaine, O.
Easterbrook Wm. Jr. & Bro. (Metal), 311 Cherry, Phila., Pa.
Elbel Co. (Hand Forged Steel), 826 Mulberry rd, Canton, O.
Frazer & Jones Co. ("Staple Brand" Steel Only), Syracuse, N. Y.
Hale Geo. C. (Steel), Kansas City, Mo.
Kelsay Newton (Wood), Evansville, Ind.
Nixdorff-Krein Mfg. Co. (Wood), 900 Howard, St. Louis, Mo.
Sargeant Mfg. Co. (Steel), 79 Summit, Newark, N. J.
Sherman Hame Co. (Wood), Sherman, Tex.
Smith F. H. Mfg. Co. (Steel), 3047 Carroll av, Chicago, Ill.
Star Hame Mfg. Co. (Wood, Iron Trimmed), Blanchester, O.
U. S. Hame Co. (All Kinds of Steel & Wood, Coach & Gig), Buffalo, N. Y.

Hammers (Air)

See Pneumatic Hammers, various kinds

Hammers (Automobile)

See Hammers, Machinists

5747-8—Hammers (Belt Driven)

See also Hammers (Power)

Beaudry & Co., Inc., 1840 Parkway, Boston, Mass.
Bradley C. C. & Son, Syracuse, N. Y.
Griffitts T. H. Machine Works ("Griffitts"), 20 Clementina, San Francisco, Cal.
High Speed Hammer Co., Inc., 313 Norton, Rochester, N. Y.
Little Giant Co. ("Little Giant"), Mankato, Minn.
MANNING, MAXWELL & MOORE, INC., 100 E 42nd, New York
See adv index at end of book
Manufacturers' Belt Hook Co. ("L X"), 1321 W Congress, Chicago, Ill.
Schuyler Mfg. Co. ("Common Sense"), 6434 Colby, Oakland, Cal.
Sutton-Abramsen Engineering Co., 1309 Park bldg, Pittsburgh, Pa.
United Hammer Co. ("Dupont"), 45 Bromfield, Boston, Mass.

5749-50—Hammers (Bench Drop)

Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.
Meriden Press & Drop Co. ("Merriman"), Meriden. Conn.
PROVIDENCE PRESS MACHINERY CO. INC. ("Master"), Room 610, 110 W 40th, New York
See adv index at end of book

Hammers (Blacksmiths')

See Hammers, Heavy

5751—Hammers (Board Drop)

Billings & Spencer, Park & Laurel, Hartford, Conn.
BLISS E. W. CO., 53rd & 1st, Brooklyn, N. Y.
See adv index at end of book
Chambersburg Engineering Co., Chambersburg, Pa.
Garrison A. Fdry. Co., 901 Bingham, Pittsburgh, Pa.
Long & Allstatter Co., Hamilton, Ohio
See adv index at end of book
Manning, Maxwell & Moore, Inc., 100 E 42d, New York
See adv index at end of book
Massillon Fdry. & Mach. Co., Massillon, Ohio
Merrill Bros., 3 Arnold (Queens Boro), Maspeth, L. I., N. Y.
See adv index at end of book
United Engineering & Foundry Co. ("Pittsburgh"), Farmers Bk. bldg., Pittsburgh, Pa.
Williams White & Co. (Friction), Moline, Ill.

Hammers (Boiler Makers')

See Hammers, Heavy
Also Pneumatic Boiler Makers' Hammers

5752— Hammers (Brass)

Goodell-Pratt Co., Greenfield, Mass.

Hammers (Bricklayers')

See Hammers, Masons' & Bricklayers'

Hammers (Bush)

See Hammers, Stone Cutters'

5753—Hammers (Carpet Layers')

Braunsdorf-Mueller Co., Elizabeth, N. J.
Osborne C. S. Co., Box 183, Newark, N. J.
See adv index at end of book

5754—Hammers (Chain Welding)

Vaughn Machinery Co. (Foot & Power), Cuyahoga Falls, Ohio

5755-6— Hammers (Chipping)

Chicago Pneumatic Tool Co. ("Boyer"), 6 E 44th, New York
See adv index at end of book
Coates Clipper Mfg. Co. (Electric), Worcester, Mass.
Eagle Tool Works, Bayonne, N. J.
Griffith Tool Works ("Machinists," etc.), 521 Market, Phila., Pa.
Hergl Mfg. Co., 260 5th, Bridgeport, Conn.
Independent Pneumatic Tool Co., 600H W Jackson blvd, Chicago, Ill.
KING PNEUMATIC TOOL CO., 1736 Armitage av, Chicago, Ill.
See adv index at end of book
Maydole David Hammer Co. (Crucible Steel), Norwich, N. Y.
Phillips F. & Son, 1336 Greenmount av, Baltimore, Md.
Stanley Rule & Level Plant (Atha Div.), New Britain, Conn.

Hammers (Claw)

See Hammers, Nail

Hammers (Concrete Bush)

See Hammers, Bush

5757—Hammers (Concrete Tooling)

King Pneumatic Tool Co., 1736 Armitage av, Chicago, Ill.
See adv index at end of book
Phillips F. & Son, 1336 Greenmount av, Baltimore, Md.
Ransome Concrete Machinery Co., Dunellen, N. J.

5758—Hammers (Confectioners')

Walker C. S. & Co. (And Hatchet Combined), 656 W 12th, Erie, Pa.

5759— Hammers (Coopers')

Drew C. & Co., Kingston, Mass.
ELECTRIC MATERIALS CO., North East, Pa.
Griffith Tool Works (Solid Forged), 521 Market, Phila., Pa.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
More-Jones Brass & Metal Co., Broadway & Dock, St. Louis, Mo.
Stanley Rule & Level Plant (Atha Div.), New Britain, Conn.
Warren Tool & Forge Co., 145 Griswold, Warren, Ohio
See adv index at end of book
White L. & I. J. Co., 120 Columbia, Buffalo, N. Y.

5760-1-2— Hammers (Copper)

Channon-Hughson Co., ("Chanson" Steel-Copper Faced), 229H West Erie, Chicago, Ill.
Electric Materials Co., North East, Pa.
Eureka Co., North East, Pa.
Graham Jas. & Co., New Haven, Conn.
Hungerford U. T. Brass & Copper Co., 80 Lafayette, New York
McNab & Harlin Mfg. Co., Paterson, N. J.
Merchant & Evans Co., Washington av & 21st, Phila, Pa.
More-Jones Brass & Metal Co., B'way & Dock, St. Louis, Mo.

5762—*Hammers (Doubling)

Aetna Foundry & Machine Co. (The) (For Sheet Steel), Warren, O.

Hammers (Drilling)

See Hammers, Heavy

5763— Hammers (Drop)

See also Presses, Drop

Alliance Machine Co., Alliance, O.
Bethlehem Steel Co. (Steam), South Bethlehem, Pa.
Billings & Spencer Co. ("B. & S."), Hartford, Conn.
BLISS E. W. CO., 53rd & 1st, Brooklyn, N. Y.
See adv index at end of book
BUFFALO FOUNDRY & MACHINE CO., ("Bell"), 65 Winchester av, Buffalo, N. Y. *See adv index at end of book*
Cady Machine Co., Cleveland, O.
Canton Foundry & Machine Co. ("Universal," for Sheet Metal Dies), Canton, Ohio *See adv index at end of book*
Coulter & McKenzie Machine Co., Bridgeport, Conn.
Erie Foundry Co. ("Erie," Steam), 12th & Cranberry, Erie, Pa.
Henderson Machine Co., 5032 Germantown av, Phila., Pa.
Kane & Roach, Syracuse. N. Y.
Massillon Foundry & Machine Co. ("Massillon" Steam), Massillon, O.
Meriden Press & Drop Co. ("Merriman" Drop, Heavy Forged), Meriden, Conn.
MERRILL BROS., 3 Arnold, Maspeth (Borough of Queens), New York.
See adv index at end of book
Miner & Peck Mfg. Co. ("Peck"), Derby, Conn.
Morgan Engineering Co., Alliance, Ohio
Niles-Bement-Pond Co., 111 B'way, New York
PROVIDENCE PRESS MACHINERY CO., INC. ("Master"), Room 610, 110 W. 40th, New York
See adv index at end of book
Ryerson Jos. T. & Son, Inc., 2558 W. 16th, Chicago, Ill. *See adv index at end of book*
San Francisco Engineering Co., 322 6th, San Francisco, Cal.
Standard Machinery Co., Providence, R. I.
Toledo Foundry & Machine Co., Dept. H, Toledo, O.
Toledo Machine & Tool Co. ("Toledo"), Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Williams, White & Co. (Crank Lift & Twin Drop), 301 8th, Moline, Ill.

5764—Hammers (Drop Forged)

Billings & Spencer, Park & Laurel, Hartford, Conn.
Champion Tool Co., Meadville, Pa.
Vichek Tool Co. ("Vichek," Ball Pein Only), 3000 E. 87th, Cleveland, Ohio

5765— Hammers (Electric)

Chicago Pneumatic Tool Co. ("Little Giant"), 6 E 44th, New York
See adv index at end of book
Electro & Magnetic Tool Co. (For Drilling, Chipping & Surfacing of Concrete, Brick, Stone), 2902 Carroll, Chicago, Ill.
King Pneumatic Tool Co., 1736 Armitage av, Chicago, Ill.
See adv index at end of book
Manitowoc Electric Implement Co., Manitowoc, Wis.

5766—Hammers (Engineers' or Plow)

Champion Tool Co. ("Champion"), Meadville, Pa.
Cheney Henry Hammer Co., Little Falls, N. Y.
Ketler-Elliott Co. ("Ketoco" Engineers), **31st & California, Chicago, Ill.**
Maydole David Hammer Co. (Engineers Only), 37 Lackawanna av, Norwich, N. Y.
Vichek Tool Co. ("Vichek," Set), 8701 Mt. Auburn, Cleveland, O.
Warner Hammer Co., Cromwell, Conn.
Warren Tool & Forge Co., (Hand), 145 Griswold, Warren Ohio
See adv index at end of book

5767—Hammers (Farriers' & Horseshoers')

Champion Tool Co. ("Clean Claw," "Critics," Standard," "Scotch," "Maud S," Rounding Electric, "Mallery" Sharpening, Driving), Meadville, Pa.
Cheney Henry Hammer Co., Little Falls, N. Y.
Evansville Tool Works, 701 N Md. Carpenter's blvd, Evansville, Ind.
Grimth Tool Works (Solid Forged), 521 Market, Phila., Pa.
Heller Bros. Co., 870 Mt. Prospect av, Newark, N. J.
Peck, Stow & Wilcox Co., Southington, Conn.
Stanley Rule & Level Plant (Atha Div.), New Britain, Conn.
Van Doren Mfg. Co. ("Vandor" Drop Forged), Chicago Heights, Ill.

5768—Hammers (Foot Power)

Vaughn Machinery Co. (Chain Welding), Cuyahoga Falls, Ohio

Hammers (Granite Cutters')

See Hammers, Stone Cutters'

5768a—Hammers (Hand Drilling)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

5769—Hammers (Heavy, Blacksmiths', Mauls, Etc.)

Beall Bros. (Flatters, Set, etc), Alton, Ill.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Collins Co., Collinsville, Conn.
Evansville Tool Works, 701 N Md. Carpenter's blvd, Evansville, Ind.
Fisher & Norris (Hand Made), Trenton, N. J.
Heller Brothers Co., 870 Mt. Prospect av., Newark, N. J.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
Iron City Tool Works, Ltd., 3201 Smallman, Pittsburgh, Pa.
Klein-Logan Co., 13th & Breed, Pittsburgh, Pa.
Livingston Mfg. Co., Rockland, Me.
Plumb Fayette R. (Inc.), 4838 James, Philadelphia, Pa.
Stanley Rule & Level Co. (Atha Division), New Britain, Conn.
Van Doren Mfg. Co. ("Vandor" Drop Forged), Chicago Heights, Ill.
Vaughan & Bushnell Mfg. Co. ("V. & B."), 2114 Carroll av, Chicago, Ill.
Verona Tool Works, Plum, Pittsburgh, Pa.
Warner Hammer Co., Cromwell, Conn.
WARREN TOOL & FORGE CO., 145 Griswold, Warren, Ohio
See adv index at end of book
WARWOOD TOOL CO., 19th, Warwood, Wheeling, W. Va.
What Cheer Tool Co., What Cheer, Ia.

5770— Hammers (Helve)

Armstrong Mfg. Co. ("Helva"), Waterloo, Ia.
Bradley C. C. & Son ("Bradley" Cushioned), 432 Franklin, Syracuse, N. Y.
Chambersburg Engineering Co., Chambersburg, Pa.
High Speed Hammer Co., Inc., 318 Norton, Rochester, N. Y.
LONG & ALLSTATTER CO. (Adjustable Cushioned, Belt, Motor or Steam Driven), Hamilton, Ohio
See adv index at end of book
SUTTON-ABRAMSEN ENGINEERING CO., 1309 Park bldg, Pittsburgh, Pa.
Williams, White & Co., 301 8th, Moline, Ill.

5771—Hammers (Interchangeable)

Greene, Tweed & Co. ("The Colvin," with Rawhide, Wood or Copper Head), 109 Duane, New York

5772— Hammers (Justice)

Williams, White & Co., Moline, Ill.

5773—*Hammers (Lead & Alloy)

Rebele L. J. Church & Fulton, New York
U. S. INDESTRUCTIBLE GASKET CO., 831 E 15th, Brooklyn, N. Y.
See adv index at end of book

5774—*Hammers (Locomotive Frame Welding)

Chambersburg Engineering Co., Chambersburg, Pa.
Grimth Tool Works (Ball Pin, etc.), 521 Market, Phila., Pa.
Morgan Engineering Co., Alliance, Ohio

5775—Hammers (Macadamizing)

Beall Bros., Alton, Ill.
Evansville Tool Works, 701 N Md. Carpenter's blvd, Evansville, Ind.
Stanley Rule & Level Plant (Atha Div.), New Britain, Conn.
Warren Tool & Forge Co., 145 Griswold, Warren, Ohio
See adv index at end of book

5776—Hammers (Machinists')

Beall Bros., Alton, Ill.
Billings & Spencer Co. ("B & S" Drop Forged), Hartford, Conn.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Champion Tool Co., Meadville, Pa.
Cheney Henry Hammer Co., Little Falls, N. Y.
Chicago Tool & Kit Co., 160 Whiting, Chicago, Ill.
Goodell Pratt Co., Greenfield, Mass.
Cushman Auto Tool Co., Champaign, Ill.
Evansville Tool Works, 701 N Md. Carpenter's blvd, Evansville, Ind.
Heller Brothers Co., 870 Mt. Prospect av, Newark, N. J.
Ketler-Elliott Co. ("Ketoco"), 31st & California, Chicago, Ill.
Maydole David Hammer Co. (Crucible Steel), Norwich, N. Y.
Peck, Stow & Wilcox Co., Southington, Conn.
Plumb Fayette R., Inc., 4837 James, Philadelphia, Pa.
Providence Press Machinery Co., Inc. ("Master"), Room 610, 110 W. 40th, New York *See adv index at end of book*
Sawyer Tool Mfg. Co., Ashburnham, Mass.
Smith H. D. & Co. ("Perfect Handle" Drop Forged), Plantsville, Conn.
Stanley Rule & Level Plant, New Britain, Conn.
Strong, Carlisle & Hammond Co., 336-344 Frankfort av N W. Cleveland, O.
Thomson Drop Forge Co. (Ball Pein, Octogon), Plantsville, Conn.
Vaughan & Bushnell Mfg. Co. ("V. & B."), 2114 Carroll av, Chicago, Ill.
Vichek Tool Co. ("Vichek" Ball Pein, Drop Forged), 8701 Mt. Auburn, Cleveland, Ohio
Warner-Hammer Co., Cromwell, Conn.
Westfield Plate Co. (Lead), Thompsonville, Conn.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

5777—Hammers (Magnetic Tack, Etc.)

Arcade Mfg. Co., Freeport, Ill
Osborne C. S. Co., Box 183, Newark, N. J.
See adv index at end of book
Robertson Arthur R. ("Horseshoe Magnet" Tack, Bill Posters, etc), 144 Oliver, Boston, Mass.
Rocky Hill Hardware Co., Rocky Hill, Conn.
Sayre L. A. Co., 333 Mulberry, Newark, N. J.

5778—Hammers (Masons' & Bricklayers')

Anderson W. H. Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Beall Bros., Alton, Ill.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Crescent Tool Mfg. Co. (Brick), 1002 Cass av, St. Louis, Mo.
Drew C. & Co., Kingston, Mass.
Evansville Tool Works, 701 N Md. Carpenter's blvd, Evansville, Ind.
Grimth Tool Works (Adze Eye, Brick), 521 Market, Phila, Pa.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Iron City Tool Works, Ltd., 3201 Smallman, Pittsburgh, Pa.
Klein-Logan Co., 13th & Breed, Pittsburgh, Pa.
Livingston Mfg. Co., Rockland, Me
Phillips F. & Son, 1336 Greenmount av, Baltimore, Md.
Plomb Tool Mfg., 2209 Santa Fe av, Los Angeles, Cal.
Plumb Fayette R., Inc., 4837 James, Philadelphia, Pa.
Stanley Rule & Level Plant, New Britain, Conn.
Stortz Jno. & Son, 210 Vine, Phila., Pa.
Vichek Tool Co. ("Vichek" Drop Forged), 8701 Mt. Auburn av, Cleveland, O.
Vogl Tool Co., 912 E 19th, Kansas City, Mo.
Warner-Hammer Co., Cromwell, Conn.
Warren Tool & Forge Co. (With Teeth), Warren, O. *See adv index at end of book*
Warwood Tool Co., 19th, Warwood, Wheeling, W. Va.

5779— Hammers (Mill)

Boker Cutlery & Hardware Co. ("Alsteel"), 101 Duane, New York
Brainard Patent Pulverizer Co., Old Colony bldg, Chicago, Ill.
Phillips F. & Son, 1336 Greenmount av, Baltimore, Md.

5780— Hammers (Nail)

Arcade Mfg. Co. (Cast), Freeport, Ill.
Cassady Fairbank Mfg. Co. ("Never-Slip"), 6126 S La Salle, Chicago, Ill.
Champion Tool Co. (Elec. Sharpening Hammers), Meadville, Pa.
Cheney Henry Hammer Co. ("Cheney"). Little Falls, N. Y.
Chicago Tool & Kit Co., 160 Whiting, Chicago, Ill.
Cushman Auto Tool Co (Claw) Champaign, Ill.
Evansville Tool Works, Evansville, Ind.
Franklin Brass Foundry Co. ("Cracker Jack" Nickel Plated), Reading, Pa.
Gray Iron Foundry Co., ("Sure Strike"), Reading, Pa.
Grimth Tool Works, 521H Market, Phila., Pa.
Hammond C. & Son, Ogontz, Pa.
Maydole David Hammer Co., Norwich, N. Y.
Plumb Fayette R., Inc., 4837 James, Philadelphia, Pa.
Rocky Hill Hardware Co., Rocky Hill, Conn.
Sargent & Company, New Haven, Conn.
Stanley Rule & Level Plant, New Britain, Conn.
Stover Mfg. & Engine Co. ("Stover" Cast), Freeport, Ill.
U. S. Lock & Hardware Co., Columbia, Pa.
Van Doren Mfg. Co. ("Vandor Drop Forged"), Chicago Heights, Ill.
Vaughn & Bushnell Mfg. Co., 2114 Carroll av, Chicago, Ill.
Warner Hammer Co., Cromwell, Conn.
Winchester Repeating Arms Co. ("Winchester"), 275 Winchester av, New Haven, Conn.

Hammers (Napping)

See Hammers, Heavy

5781— Hammers (Pavers')

Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.
Brunner & Lay, 570 W Polk, Chicago, Ill.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Crescent Tool Mfg. Co., 1002 Cass av, St. Louis, Mo.
Flynn & Emrich Co. ("Huber" Hand), 305 N Holliday, Baltimore, Md.
Livingston Mfg. Co., Rockland, Me.
Phillips F. & Son, 1336 Greenmount av, Baltimore, Md.
Stanley Rule & Level Plant (Atha Div.), New Britain, Conn.
Stortz Jno. & Son, 210 Vine, Phila., Pa.
Western Tool & Forge Co., Brackenridge, Pa.

5782— Hammers (Piano)

Boston Piano Supply Co., B'way, Boston, Mass.
Crane Felt Mfg. Co., Belvidere, N. J.
Schmidt David H. Co., Poughkeepsie N. Y.
Standard Felt Co., Alhambra, Cal.

5783-4—Hammers (Pile Drivers')

American Hoist & Derrick Co., St. Paul, Minn.
Browning Co., E 162nd & Waterloo rd, N. E., Cleveland, O.
Clyde Iron Works Sales Co., Duluth, Minn.
See adv index at end of book
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Goubert A. A., 90 West, New York
Industrial Works (Steam), Bay City, Mich.
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
McCoy Henry J. ("New Monarch" Automatic Double Acting), 25 Dey, New York
McKiernan-Terry Drill Co., 17 Park row, New York
Murray Bros. Machine Works, 231-233 Folsom, San Francisco, Cal.
National Hoisting Engine Co., 325 Manor av, Harrison, N. J.
See adv index at end of book
National Iron Co., Duluth, Minn.
Stroudsburg Engine Works, Stroudsburg, Pa.
Superior Iron Works Co., Superior, Wis.
Toledo Foundry & Machine Co., Toledo, O.
Union Iron Works ("Arnott" Steam), Hoboken, N. J.
Vulcan Iron Works ("Warrington" Steam & Drop), 327 N Irving av, Chicago, Ill.
Western Iron & Foundry Co., Wichita, Kans.

5785—Hammers (Plumbers')

Bernz Co., Inc., Otto, 17 Ashland, Newark N. J.
Buffum Tool Co. ("Swastika," Calking, etc), South Side, Louisiana, Mo.

5785a—*Hammers (Pneumatic Gravity Drop)

PROVIDENCE PRESS MACHINERY CO., INC. ("Da Costa," "Master"), Room 610, 110 W. 40th, New York
See adv index at end of book

5786— Hammers (Power)

See also Hammers, Steam

Beaudry & Co. Inc., ("Champion" Belt or Motor Driven), 1840 Parkway, Boston, Mass.
Bellefonte Engineering Co., Bellefonte, Pa.
Blacker Engineering Co. Inc. (Importer), Grand Central Terminal, New York
Bradley C. C. & Son, Syracuse, N. Y.
BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Central Machine Works Co. (The "Force"), 1234 Central av, Minneapolis, Minn.
Chambersburg Engineering Co., Chambersburg, Pa.
Champion Blower & Forge Co. ("Champion"), Lancaster, Pa.
Dienelt & Eisenhardt ("Dead Stroke" Spring), 1304 N Howard, Philadelphia, Pa.
Griffitts T. H. Machine Works ("Griffitts"), 20 Clementina, San Francisco, Cal.
High Speed Hammer Co., Inc., 313 Norton, Rochester, N. Y.
Howe Scale Co., Rutland, Vt.
Iowa Steel & Iron Wks., Cedar Rapids, Ia.
Justice Philip S. & Co. ("Justice" Spring), 421 Chestnut, Phila., Pa.
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.
Little Giant Co. ("Little Giant"), Belt & Motor Driven, Mankato, Minn.
Kane & Roach, Syracuse, N. Y.
Kerrihard Co. ("Kerrihard"), Red Oak, Iowa
Leonhardt Chas. ("Leonhardt" Adjustable), New Ulm, Minn.
MERRILL BROS. (Air Cushion), 3 Arnold, Maspeth (Borough of Queens), New York *See adv index at end of book*
Moloch Co., Kaukauna, Wis.
Nazel Engineering & Machine Works ("Nazel" Belt or Motor Driven), 4049 N 5th, Phila., Pa.
NILES-BEMENT-POND CO., 111 Broadway, New York
See adv index at end of book
PROVIDENCE PRESS MACHINERY CO., INC. ("Master"), Room 610, 110 W. 40th, New York
See adv index at end of book
QUICKWORK CO. (For coppersmiths, body-builders, etc), St. Marys, Ohio
See adv index at end of book
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago
See adv index at end of book
Schuyler Mfg. Co., 6434 Colby, Oakland, Cal.
Scranton & Co., New Haven, Conn.
SUTTON-ABRAMSEN ENGINEERING CO., 1309 Park bldg, Pittsburgh, Pa.
Toledo Foundry & Machine Co., Dept. H, Toledo, O.
United Hammer Co. ("Dupont"), 45 Bromfield, Boston, Mass.
Vaughn Machinery Co. (For Making Chain Only), Cuyahoga Falls, O.
Wilcox Mfg. Co., 4324 W Lake, Chicago, Ill.
Williams, White & Co., 301 8th, Moline, Ill.
Yoder Co., 557H Walworth, Cleveland, Ohio

5787-8—Hammers (Prospecting)

Stanley Rule & Level Co. (Athos Division), New Britain, Conn.
Warner Hammer Co., Cromwell, Conn.

Hammers (Rawhide)

See Mallets, Rawhide

5789— Hammers (Riveting)

See also Pneumatic Riveters

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Champion Tool Co. ("Champion"), Meadville, Pa.
Cheney Henry Hammer Co., Little Falls, N. Y.
Chicago Pneumatic Tool Co. ("Boyer"), 6 E 4th, New York
See adv index at end of book
Cleveland Pneumatic Tool Co., 3734 E. 78th, Cleveland, Ohio
See adv index at end of book
Gray Iron Foundry Co., ("Sure Strike"), Reading, Pa.
Grey Iron Casting Co., Mt. Joy, Pa.
Griffith Tool Works (Solid Forged), 521 Market, Phila., Pa.
Hammond C. & Son, Ogontz, Pa.
HIGH SPEED HAMMER CO. INC., 313 Norton, Rochester, N. Y.
Independent Pneumatic Tool Co., 600 W Jackson blvd, Chicago
KING PNEUMATIC TOOL CO., 1736 Armitage av, Chicago, Ill.
See adv index at end of book
Maydole David Hammer Co. (Crucible Steel), Norwich, N. Y.
OSBORNE C. S. CO., Box 183, Newark, N. J. *See adv index at end of book*
Peck, Stow & Wilcox Co., Southington, Conn.
Plomb Tool Mfg., 2209 Santa Fe av, Los Angeles, Cal.
Plumb Fayette R., Inc., 4837 James, Philadelphia, Pa.
Reading Saddle & Mfg. Co. (Household), Reading, Pa.
Stanley Rule & Level Plant, New Britain, Conn.
Vlchek Tool Co. ("Vlchek"), 3000 E. 87th, Cleveland, Ohio
Warner-Hammer Co., Cromwell, Conn.
Williams, White & Co., 301 8th, Moline, Ill.
Winchester Repeating Arms Co., 275 Winchester av, New Haven, Conn.

5790—Hammers (Rotary Riveting)

High Speed Hammer Co., Inc., 313 Norton, Rochester, N. Y.
Williams White & Co., Moline, Ill.

5791—Hammers (Saddlers' & Trimmers')

Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Osborne C. S. & Co., Box 183, Newark, N. J
See adv index at end of book

5792—Hammers (Saw Makers)

Columbus Anvil & Forging Co., Columbus, Ohio
Covel Mfg. Co., Benton Harbor, Mich.
Disston Henry & Sons, Tacony, Phila., Pa.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.

5793—Hammers (Saw Setting)

Covel Mfg. Co., Benton Harbor, Mich.
Fisher & Norris, Trenton, N. J.
Hanchett Swage Works, Big Rapids, Mich.
Menominee Saw Co., Menominee, Mich.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Van Doren Mfg. Co. (Drop Forged), Chicago Heights, Ill.

5794—Hammers (Shoemakers')

Champion Tool Co., Meadville, Pa.
Gray Iron Foundry Co. ("Sure Strike"), Reading, Pa.
Grey Iron Casting Co., Mt. Joy, Pa.
Griffith Tool Works, 521 Market, Phila., Pa.
Kupferle John C. Foundry Co. ("Eclipse"), 1st & Wright, St. Louis, Mo.
Osborne C. S. & Co., Box 183, Newark, N. J.
See adv index at end of book
Reading Saddle & Mfg. Co. ("Reading" Cast), Reading, Pa.
Sargent & Co., New Haven, Conn.
Snell & Atherton, Brockton, Mass.
Standard Shoe Machinery Co., Lawrence, Mass.
U. S. Lock & Hardware Co., Columbia, Pa.
Williams A. C. Co. (Cast Iron Only), Ravenna, O.
Wrightville Hardware Co., Wrightville, Pa.

5795— Hammers (Slaters')

See also Tools, Slaters

Anderson W. H. Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Belden Machine Co., Tyron, New Haven, Conn.
Emrich Phil, 824 Main, Cincinnati, O.
Stortz Jno. & Son, 210 Vine, Phila., Pa.

5796— Hammers (Spring)

Daughtery Smith Phillips Co. ("Phillips"), 1537 Cortland av, Chicago, Ill.
Williams, White & Co. ("Justice" Upright), 301 8th, Moline, Ill.

5797— Hammers (Steam)

See also Hammers, Power

Alliance Machine Co., Alliance, O.
Bellefonte Engineering Co., Bellefonte, Pa.
Bethlehem Steel Co. (Drop), South Bethlehem, Pa.
BUFFALO FOUNDRY & MACHINE CO. ("Bell"), 65 Winchester av, Buffalo, N. Y. *See adv index at end of book*
Chambersburg Engineering Co. (Single & Double Frame), Chambersburg, Pa.
Dudgeon Richard, 24 Columbia, New York
Erie Foundry Co. ("Erie," Single & Double Frame), 12th & Cranberry, Erie Pa.
Ironton Punch & Shear Co., Ironton, O.
Kline Lewis T., Alpena, Mich.
McDougall & Potter Co., Rider av & 141st, New York
Manning, Maxwell & Moore, Inc., 100 E 42d, New York
See adv index at end of book
Massillon Foundry & Machine Co. ("Massillon" Forge), Massillon, O.
Morgan Engineering Co. (Single & Double Stand), Alliance, Ohio
Niles-Bement-Pond Co. (Single, Double & Open Frame), 111 B'way, New York
See adv index at end of book
Portland Iron Works, 495 Northrup, Portland, Ore.
Ryerson Jos. T. & Son, Inc., 2558 W. 16th, Chicago, Ill. *See adv index at end of book*
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
Toledo Foundry & Machine Co., Dept. H, Toledo, Ohio

5798—Hammers (Stone Cutters')

Anderson W. H. Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Beall Bros., Alton, Ill.
Brunner & Lay, 570 W Polk, Chicago, Ill.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Chicago Pneumatic Tool Co., 6 E 44th, New York. *See adv index at end of book*
Crescent Tool Mfg. Co., 1002 Cass av, St. Louis, Mo.
Evansville Tool Works, 701 N Md. Carpenters' bldg, Evansville, Ind.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Iron City Tool Works, Ltd., 3201 Smallman, Pittsburgh, Pa.
Klein, Logan Co., 13th & Breed, Pittsburgh, Pa.
Livingston Mfg. Co., Rockland, Me.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Phillips F. & Son, 1336 Greenmount av, Baltimore, Md.

Plumb Fayette R., Inc., 4837 James, Philadelphia, Pa.
Stanley Rule & Level Plant (Atha Div.), New Britain, Conn.
Trow & Holden Co., Barre, Vt.
Vogl Tool Co., 912 E 19th, Kansas City, Mo.
Vulcan Tool Mfg. Co., Quincy, Mass.
Warner-Hammer Co., Cromwell, Conn.
WARREN TOOL & FORGE CO., 145 Griswold, Warren, Ohio.
See adv index at end of book
Warwood Tool Co., 19th, Warwood, Wheeling, W. Va.

Hammers (Striking)
See Hammers, Heavy

5799— Hammers (Tack)
Arcade Mfg. Co. (Cast Claw, etc), Freeport, Ill.
Browne W. G. Mfg. Co., 1H Stephen, Kingston, N. Y.
Cassady Fairbank Mfg. Co ("Neverslip" Twisted Wire Handle), 6126 S La Salle, Chicago, Ill.
Grey Iron Casting Co., Mt. Joy, Pa.
Henry John T. Mfg. Co., Hamden, Conn.
Kilborn & Bishop Co. ("K. & B."), 194 Chapel, New Haven, Conn.
Landers, Frary & Clark, New Britain, Conn.
Osborne C. S. & Co., Box 183, Newark, N. J.
See adv index at end of book
Robertson Arthur R. ("Horseshoe Magnet"), 144 Oliver, Boston, Mass.
Rocky Hill Hardware Co., Rocky Hill, Conn.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Stanley Rule & Level Plant, New Britain, Conn.
Stover Mfg. & Engine Co. ("Stover Cast"), Freeport, Ill.
Vaughan & Bushnell Mfg. Co. (Adze Eye Drop Forged), 2114 Carroll av, Chicago, Ill.
Warner Hammer Co., Cromwell, Conn.
Williams A. C. Co. (Cast Iron Only), Ravenna, O.
Wrightsville Hardware Co. ("Brighton," "L. & S. I. Co."), Wrightsville, Pa.

5800—Hammers (Tanners' Marking)
Emrich Phil, 824 Main, Cincinnati, O.

5801—Hammers (Tile Setters')
Braunsdorf-Mueller Co., Elizabeth, N. J.
Warner Hammer Co., Cromwell, Conn.

5802— Hammers (Tinners')
See also Hammers, Riveting
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Cheney Henry Hammer Co., Little Falls, N. Y.
Evansville Tool Works, 701 N Md. Carpenter's Rhod, Evansville, Ind.
Griffith Tool Works (Solid Forged), 521 Market, Phila., Pa.
Maydole David Hammer Co., Norwich, N. Y.
Merchant & Evans Co., Washington av & 21st, Philadelphia, Pa.
Peck, Stow & Wilcox Co. (Riveting, Setting, etc), Southington, Conn.
Plomb Tool Mfg., 2209 Santa Fe av, Los Angeles, Cal.
Stanley Rule & Level Plant (Atha Div.), New Britain, Conn.
Van Doren Mfg. Co. ("Vandor" Drop Forged), Chicago Heights, Ill.
Warner Hammer Co., Cromwell, Conn.

Hammers (Tire Welding)
See Tire Welding Machines

5803— Hammers (Trip)
See also Hammers, Power
Beaudry & Co., Inc., 1840 Parkway, Boston, Mass.
MERRILL BROS. (Air Cushion), 3 Arnold, Maspeth (Borough of Queens), New York *See adv index at end of book*
United Hammer Co. ("Dupont"), 45 Bromfield, Boston, Mass.

5804—Hammers (Upholsterers')
See also Hammers, Tack
Arcade Mfg. Co., Freeport, Ill.
Dicke Tool Co., Downers Grove, Ill.
Gray Iron Foundry Co. ("Sure Strike"), Reading, Pa.
Griffith Tool Works, 521H Market, Phila., Pa.
Kraeuter & Co., 583 18th av, Newark, N. J.
Lowentraut, P. Mfg. Co., 36 Brenner, Newark, N. J.
OSBORNE C. S. CO. (Also Trimmers & Magnetic), Box 183, Newark, N. J.
See adv index at end of book
Reading Saddle & Mfg. Co. ("Reading" Household), Reading, Pa.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Vichek Tool Co. ("Vichek"), 3701 Mt. Auburn av, Cleveland, O.
Williams A. C. Co. (Cast), Ravenna, O.
Wrightsville Hardware Co. ("Brighton"), Wrightsville, Pa.

5804a—*Hammers (Upholsterers' & Trimmers')
Osborne C. S. Co., Box 183, Newark, N. J.
See adv index at end of book

OSBORNE
HIGH GRADE TOOLS
Quality Never Varies
Established 1826. Nearly one century doing one thing well



Upholsterers Magnetic Hammer
Made of the best material procurable, correctly designed, finished with the greatest care and
ABSOLUTELY GUARANTEED
Send for Catalogue
C. S. OSBORNE & CO.
Box 183 NEWARK, N. J.

5805— Hammers (Vacuum)
BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Williams, White & Co. ("Yeakley"), 301 8th, Moline, Ill.

5806— Hammock Mfrs.
Altland Alfred D., Dillsburg, Pa.
Barcalo Mfg. Co. (Couch), 225 Louisiana, Buffalo, N. Y.
Beverly Textile Mills, Beverly, N. J.
Bickford Bros. Co., Rochester, N. Y.
Brooks Tent & Awning Co. ("Nantucket" Couch), 1655 Arapahoe, Denver, Colo.
Carnie-Goudie Mfg. Co., 22d & Grand av, Kansas City, Mo.
Chicago Hammock Co. (Cotton Woven), 523 N Union av., Chicago, Ill.
Clifton Mfg. Co. (Heavy Canvas), Waco, Texas
Comfort Supply Co. (Couch), 1013 Mission rd, Los Angeles, Cal.
Fulton Bag & Cotton Mills (Canvas), Atlanta, Ga.
Gem Hammock & Fly Net Co., 326 Florida, Milwaukee, Wis.
Gold Medal Camp Furniture Mfg. Co., ("Knowlton," Swinging & Hammock Combined), Racine, Wis.
Goodall Hammock Co. (Cotton), Westbrook, Me.
Hettrick Mfg. Co. (Couch), Toledo, O.
Hoegee Wm. H. Co. Inc., 138 S Main, Los Angeles, Cal.
Hoffman-Corr Mfg. Co. ("Lion"), 312 Market, Phila., Pa.
Hohlfeld Mfg. Co., 10th & Allegheny, Phila., Pa.
Hough Shade Corporation, Janesville, Wis.
Johnson J. W. Co., 1236 Macedonia, Chicago, Ill.
La Crosse Hammock Works, La Crosse, Wis.
N. Y. Couch Bed Co. ("Romelink" Couch), Meadow & Anable av, L. I. City, N. Y.
Palmer I. E. Co. ("Arawana"), Middletown, Conn.
Premier Bed & Spring Co. (Couch), 2401 17th, San Francisco, Cal.
Relaxo Mfg. Co. ("Relaxo" Couch), 1321 Willow, Los Angeles, Cal.
Rowe E. L. & Son ("Gloucester"), Gloucester, Mass.
St. Charles Net & Hammock Co., St. Charles, Ill.
Stockwell L. W. Co. (Couch), 4th & S Alameda, Los Angeles, Cal.
Tennessee Line & Twine Co. (Cotton), Elizabethtown, Tenn.
Western Hammock Co. (Lawn & Porch), 1222 Santa Fe av, Los Angeles, Cal.
Western Hammock Co., La Crosse, Wis.
Wheeler & Wilson ("North Shore" Bed), 15 Merchants row, Boston, Mass.

5806a— Hampers (Clothes)
See also Baskets (Clothes)
Household Fibre Products Co. ("Dependable," White Enameled), Winfield, Brooklyn, N. Y.
Redmon W. C. Sons & Co. ("Red-Man"), Dept. H, Peru, Ind.
Reed Evan L. Mfg. Co., Tipton, Danville, Ill.
Steinfeld Bros. (Willow), 116 W 32nd, New York

5807—Hand Rests for Lathes
American Tool & Machine Co., 10 High, Boston, Mass.

5808— Handcuffs & Twisters
Barnard Geo. D. & Co. ("Cummings"), 3845 Laclede, St. Louis, Mo.
Mattatuck Mfg. Co. (Maltby Division, "Mattatuck"), Waterbury, Conn.
Peerless Handcuff Co. ("Peerless" Light weight), Springfield, Mass.
Union Hardware Co., Torrington, Conn.

5809—*Handkerchiefs (Bandanna)
Passaic Print Works, Passaic, N. J.

5809a— *Handle Scales
Delaware Hard Fibre Co. (Fibre), Wilmington, Del. *See adv index at end of book*

Handles (Agricultural Tool)
See Handles, Farm Tool

5809b—Handles (Artists' Brush)
Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Weber Co., F., 1220 Buttonwood, Philadelphia, Pa.

Handles (Ash)
See Handles, Farm Tool, Ash

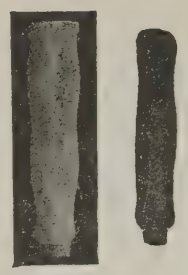
5810— Handles (Auger)
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Canfield Mfg. & Novelty Co., Canfield, Ohio
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Everstick Anchor Co., 1624 N 8th, St. Louis, Mo.
Irwin Auger Bit Co., Wilmington, O.
Millers Falls Co., Dept H, Millers Falls, Mass.
O'Neill J. H. Jr., Pawtucket, R. I.
Peck, Stow & Wilcox Co. ("Peck's" Patent), Southington, Conn.
Peterson F. W. Co., 113 Greene, New York
Piqua Handle & Mfg. Co., P. O. Box 307, Piqua, O.
Southington Mfg. Co., Southington, Conn.
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Swan James Co. ("Swan's"), Seymour, Conn.

5811—Handles (Automobile)
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Bassick Co. (Door & Hood), 28H Austin, Bridgeport, Conn.
Cowles C. & Co., Water & Chestnut, New Haven, Conn.
Mitchell Specialty Co., 3860 Coral, Phila., Pa.
Mt. Carmel Mfg. Co. (Door Handles With or Without Locks), Dept H, Mt. Carmel, Conn.
Rubber & Celluloid Products Co. (Rubber Covered), Newark, N. J.
Smith, Joseph N. & Co. (Door), 2461 E Grand blvd, Detroit, Mich.
South Bend Dowel Co., South Bend, Ind.
See adv index at end of book
Vahan Products Co., 73rd & St. Clair, Cleveland, O.

5811a—Handles (Automobile Crank)
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Brandywine Fibre Products Co. (Vulcanized Fibre Tubing), E, Wilmington, Del. *See adv index at end of book*
Continental Fibre Co. ("Bakelite-Dilecto"), Newark, Del.
Delaware Hard Fibre Co. (Hard Fibre), Wilmington, Del.
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5812— Handles (Awl)
Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
See adv index at end of book

(Continued on following page)



WOODEN HANDLES

All Styles, Turned or Flat, in Any Finish
For Small Tools, Kitchenware, Household Utilities, etc.

Enameled Finishes of Highest Quality

E. B. Estes & Sons, 364 Fifth Ave., New York

"World's Largest Woodturners"—Estab. 1847



Handles (Awl)—Continued

ESTES E. B. & SONS, 364 5th av, New York. *See adv index at end of book*

Osborne C. S. Co., Box 183, Newark, N. J. *See adv index at end of book*

Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

Strombeck-Becker Mfg. Co., 51st & 4th av, Moline, Ill. *See adv index at end of book*

5813—*Handles (Baby Carriage)

Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*

Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5813a— Handles (Balance)

Williams J. H. & Co. ("Vulcan" Drop-Forged), 400 Vulcan, Buffalo, N. Y.

5814— Handles (Bark Spud)

American Logging Tool Co., Evart, Mich.

Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5814a—Handles (Basket)

Austin & Smith Co. (Wire), 164 Brewery, New Haven, Conn. *See adv index at end of book*

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*

Cuyahoga Spring Co. (The) (Wire), 10253 Berea rd, Cleveland, O. *See adv index at end of book*

ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*

Maney W. F. (Wire), Geneva, N. Y.

Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

Titchener E. H. & Co. (Wire), 136 Walnut, Binghamton, N. Y.

5814a1—Handles (Battery Box)

Cuyahoga Springs Co., The, 10253 Berea rd, Cleveland, Ohio *See adv index at end of book*

HANDLES—WIRE BATTERY BOX

Wire Shapes of Any Description
Also Wire Springs

THE CUYAHOGA SPRING CO.
10253 BEREA RD., CLEVELAND, OHIO

5814b—Handles (Bell)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*

Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, O. *See adv index at end of book*

Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5814c— Handles (Bicycles)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*

Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5814d—*Handles (Bill Poster)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*

Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5814e— Handles (Bit Brace)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*

Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5814f— Handles (Bit, Malleable Iron)

Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*

Syracuse Twist Drill Co., ("Syracuse"), Borden av, Syracuse, N. Y.

5815—Handles (Boiler, Ash & Milk Can, Etc.)

Adams Co. (Boiler), Dubuque, Ia.

American Spiral Spring & Mfg. Co., 5600 Harrison, Pittsburgh, Pa. *See adv index at end of book*

Arcade Mfg. Co., Freeport, Ill.

Automatic Wire Goods Mfg. Co. (Can Only), 386 Canal pl, New York

Berger Bros. Co. ("Keystone"), 229 Arch, Phila., Pa.

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*

Campbell Wire Specialty Works (Wire), South Bend, Ind.

Clark W. J. Co., Salem, O.

ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*

Grey Iron Casting Co., Mt. Joy, Pa.

Indiana Hollow Ware Co. (Cast Iron), Jeffersonville, Ind.

Klauer Mfg. Co., Dubuque, Ia.

Stanley Works, New Britain, Conn. *See adv. index at end of book.*

Stiles H. A. & Co. (Wood Only), 166-174 Portland, Boston, Mass. *See adv index at end of book*

Stover Mfg. & Engine Co. (Boiler Only), 106 Henderson, Freeport, Ill.

Tichener-Diehl Co., 1844-48 W. Austin av, Chicago, Ill.

TOWSEND CO. (Wire Drop), New Brighton, Pa. *See adv index at end of book*

Weller Hdw. & Foundry Co. (Or Milk Can), Horseheads, N. Y.

Wickwire Spencer Steel Corp (Ash Can, Basket & Tub, Galvanized), 41 E. 42nd, New York *See adv index at end of book*

Wrightsville Hardware Co., Wrightsville, Pa.

5816— Handles (Bone)

Armour & Co., 208 S La Salle, Chicago, Ill.

Rogers Mfg. Co, Rockfall, Conn.

Rogers & Hubbard Co., Middletown, Conn.

Winterbottom Carter & Co., Egg Harbor City, N. J.

5816a— Handles (Box)

Beehler Steel Products Co., 1449 N 18th, St. Louis, Mo. *See adv index at end of book*

Berbecker & Rowland Mfg. Co., Waterville, Conn.

Stanley Works, New Britain, Conn. *See adv index at end of book*

Waterbury Button Corp., 321 So. Main, Waterbury, Conn. *See adv index at end of book*

5817—Handles (Brake or Controller)

See also Wheels, Rachet Brake.

Adams & Westlake Co., 319 W Ontario, Chicago, Ill.

Baker John S. ("Beverly," Ratchet Clutch), Beverly, Mass.

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*

Brill, J. G. Co. (Brake), 62nd & Woodland av, Phila., Pa.

Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.

Dayton Mfg. Co. ("Lindstrom," "Pittsburgh," Gravity, etc.), Dayton, O.

Electric Service Supplies Co. ("Golden Glow" Automotoneer, "Lock-On"), 17th & Cambria, Phila., Pa.

Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

Hamilton Wm. Sons Car Co., Newark, O.

Kales Stamping Co., 1680 W Lafayette blvd, Detroit, Mich. *See adv index at end of book*

Lord Electric Co. ("Cosper"), 105 W 40th, New York

Safety Car Devices Co., 1932 N Broadway, St. Louis, Mo.

St. Louis Car Co., 8000 N. B'way, St. Louis, Mo.

Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa. *See adv index at end of book*

5818— Handles (Broom)

American Broom & Brush Co., Amsterdam, N. Y.

Amsterdam Broom Co., Amsterdam, N. Y.

ANCHOR SAW MILLS CO., 434 Washington, New York

Antigo Mfg. Co., Antigo, Wis.

Auburn Handle Co., Auburn, Ind.

Bayless Mfg. Co., 440 N Main, Memphis, Tenn.

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*

Boggs Broom Corn Co. (Maple), 1206 N Main, St. Louis, Mo.

Borgeson C. E., 1775 Wilson av, Chicago, Ill.

Brinser E. C. Sons, Richmond, Va.

Columbus Sucker Rod Co., Columbus, O.

Crook Son & Co., Hicksville, O.

Ellis & Smith, Bleecker, N. Y.

Escanaba Mfg. Co., Escanaba, Mich.

Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

Eugene Handle Co. ("Willakenzie"), Eugene, Ore.

Green River Chair Co., Livermore, Ky.

Haskew, S. T. W. Co. ("Haskew"), Dept. H, Jackson, Tenn.

Indiana Wood Products Co., Spencer, Ind.

Jackson & Tindle, Jackson bldg, Buffalo, N. Y.

Jones B. E. Mfg. Co., Alba, Mich.

Kautenberg W. E. Co., Freeport, Ill.

Lee Broom & Duster Co., Lincoln, Neb.

Lobdell Emery Mfg. Co., Onaway, Mich.

Mahle C. A. & Son, Ltd., Corry, Pa.

Northern Wood Products Co. ("Haroma" Hard Rock Maple), Dept. H, Glidden, Wis.

Olds & Hixson, Vanderbilt, Mich.

Piqua Handle & Mfg. Co. (Regular Finish & High Grade French Polish Finish, Stained, all Colors or Natural Wood), P O Box 307, Piqua, O.

Rugg Mfg. Co. (Brush Mop), Greenfield, Mass.

St. Louis Broom Supply Co., 206H N 1st, St. Louis, Mo.

Standard Churn Co., Wapakoneta, O.

Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

Stratton D. A. Co., Atlantic Mine, Mich.

Turner T. J., Marked Tree, Ark.

Union Handle Co., Frankfort, N. Y.

Washington Handle Co. (Fir), Dept. H, Tacoma, Wash.

Westcott J. D. & Son, Richwood, W. Va.

Western Oregon Handle Co., 933 Sandy blvd., Portland, Ore.

Whitaker Bros. Co., Meridian, Miss.

White Wood Products Co., Dept. H, Crotherville, Ind.

Zan Bros., Inc., 691 York, Portland, Ore.

5819— Handles (Brush)

Bogert & Hopper, Inc. (Printer, etc), 57 Barclay, New York *See adv index at end of book*

DU PONT E. I. DE NEMOURS & CO., INC., Poughkeepsie (Pyralin Wire Brush), Poughkeepsie, N. Y. *See adv index at end of book*

Estes E. B. & Sons (Artists', Painters' & Shoe), 364 5th av, New York *See adv index at end of book*

Eugene Handle Co. ("Willakenzie"), Eugene, Ore.

Fuller, J. J., Westfield, Mass.

Kautenberg W. E. Co., Freeport, Ill.

Mahle C. A. & Son, Ltd., Corry, Pa.

Nashua Spool & Bobbin Co., Haverhill National Bank bldg, Haverhill, Mass.

Parkersburg Mill Co., Parkersburg, W. Va.

Peterson F. W. Co., 113 Greene, New York

Pierce F. B. Co., Keene, N. H.

Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

Union Handle Co., Frankfort, N. Y.

Wing Spool & Bobbin Co., Kingfield, Me.

5820—Handles (Cane, Parasol & Umbrella)

Ackerson S., 10 E 15th, New York
Bernheimer & Blumenthal Co., Inc., 138 W 14th, New York
Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
Estes, E. B. & Sons, 5th av, New York *See adv index at end of book*
Levine P. & Co. (Gold & Silver), 459 E 133rd, New York
Luxenberg & Haskell (Gold, Silver & Wood), 132 Greene, New York
Musser H. M. (With Gold & Silver Mounts), Lancaster, Pa.
Peterson F. W. Co., 113 Greene, New York
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5821—Handles (Canthook & Peavey)

American Logging Tool Co., Evart, Mich.
Brinser E. C. Sons, Richmond, Va.
Columbus Handle & Tool Co., Columbus, Ind.
Concrete Machinery So., Dunellen, N. J.
Eugene Handle Co. ("Willakenzie"), Eugene, Ore.
Harris Mfg. Co., Johnson City, Tenn.
Hartwell C. L. & Co., Chicago Heights, Ill.
Hartwell Handle Co., Harvey, Ill.
Mahle C. A. & Son, Ltd., Corry, Pa.
Peterson F. W. Co., 113 Greene, New York
Ransome Mixer Co., 165 B'way, New York
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Strock L. W. & Co., Bethlehem, Pa
Titusville Handle Co., Titusville, Pa.
Windham Handle Co., South Windham, Conn.

5822—Handles (Car Coupling)

Handlan-Buck Mfg. Co. ("Bishop"), 210-14 N 3d, St. Louis, Mo.

5823—Handles (Carpet Sweeper)

Auburn Handle Co., Auburn, Ind.
Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Borgeson C. E., 1775 Wilson av, Chicago, Ill.
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Piqua Handle & Mfg. Co., P O Box 307, Piqua, O.
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5824—Handles (Carriage Door)

Attwood Brass Works, Grand Rapids, Mich.
Searls Mfg. Co., 29 Mulberry, Newark, N. J.
Stanley Works, New Britain, Conn. *See adv index at end of book*

5825— Handles (Chest)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Beehler Steel Products Co., 1447 N 13th st, St. Louis, Mo.
Brainerd Mfg. Co., East Rochester, N. Y.
Carondelet Foundry Co., 2123 S Kingshighway, St. Louis, Mo.
Champion Hardware Co. ("Champion"), Geneva, O.
Corbin P. & F., New Britain, Conn.
Dent Hardware Co., Fullerton, Pa.
Klauer Mfg. Co., Dubuque, Ia.
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Lawrence Bros., Sterling, Ill.
Ney Mfg. Co., Canton, O.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sager Lock Co., North Chicago, Ill.
Sargent & Co., New Haven, Conn.
Stanley Works (Wrought Steel), New Britain, Conn.
Stiles H. A. (Drawer, etc.), 166-174 Portland, Boston, Mass. *See adv index at end of book*
Stover Mfg. & Engine Co. (Surface & Flush Patterns), Freeport, Ill.
Taylor & Boggis Foundry Co., Cleveland, Ohio
Tichener-Diehl Co., 1844-48 W. Austin av, Chicago, Ill.
Waterbury Button Corporation, 331 So. Main, Waterbury, Conn. *See adv index at end of book*
Weber-Knapp Co. (Brass, etc), Jamestown, N. Y.
Weller Hardware & Fdry. Co., Horseheads, N. Y.
Wrightsville Hardware Co. (Surface), Wrightsville, Pa.

5826— Handles (Chisel)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

Established 1847 **E. B. ESTES & SONS** Manufacturers of

TOOL HANDLES—SMALL, PLAIN OR FANCY POLISHED AND ENAMELED HANDLES IN NATIVE AND FOREIGN WOODS

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Fuller J. J., Westfield, Mass.
Gallup Ruffing Handle Co. (Leather Head & Plain), Norwalk, O.
Jennings C. E. & Co., 71 Murray, New York
O'Neill J. H. Jr., Pawtucket, R. I.
Piqua Handle & Mfg. Co. (Leather Head & Plain, also Butt Chisel Handles), P O Box 307, Piqua, O.
South Bend Dowel Co., South Bend, Ind. *See adv index at end of book*
STILES H. A. & CO. ("Hasco Brand"), 166-174 Portland, Boston, Mass. *See adv index at end of book*
Stossel Carl Sons & Co., Front Royal, Va.

5827— Handles (Churn)

Auburn Handle Co., Auburn, Ind.
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Peterson F. W. Co., 113 Greene, New York
South Bend Dowell Co., South Bend, Ind. *See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Union Handle Co., Frankfort, N. Y.

5827a—Handles (Circuit Breaker)

See Handles, Also Electric Switch
Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5827b— Handles (Cleaver)

Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
McCrillis Handle Co. (The), Norwalk, Ohio
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5827c—Handles (Coffin and Casket)

Casket Hardware Mfg. Co., 820 W Warren, Detroit, Mich.
Sargent & Co., Water & Wallace, New Haven, Conn.
Stanley Works, New Britain, Conn. *See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Westfield Plate Co., Thompsonville, Conn.

Handles (Controller Regulating)

See Handles, Brake or Controller

5828— Handles (Cooler)

Grey Iron Casting Co., Mt. Joy, Pa.

5829— Handles (Cork)

Armstrong Cork Co. (For Fishing Rods, Golf Sticks, etc), 24th & A. V. R. R. Pittsburgh, Pa.

5829a—Handles (Cork Screw)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5830— Handles (Crank)

Backstay Machine & Leather Co., Union City, Ind.
BOGERT & HOPPER INC. (Wood), 57 Barclay, New York *See adv index at end of book*
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Bosler Leather Goods Co., 1935 Wabash av, Chicago, Ill.
Eberhard Mfg. Co., C. & P. Ry & Tennyson rd., Cleveland, O.
Economy Stay Co. (Leather), Jefferson City, Mo.
Estes E. B. & Sons (Phonograph Crank), 364 5th av, New York *See adv index at end of book*
Fesser Frank S. Co. ("Superior"), 1033 Shelby, Indianapolis, Ind.
Gallup Ruffing Handle Co., Norwalk, O.
Gilbert Mfg. Co. ("Gilbert"), New Haven, Conn.
Lockwood Sprinkler Co. of Mass. ("Rockwood" Hollow Pressed Steel), 38 Harlow, Worcester, Mass.
Nathan Novelty Mfg. Co., 2157 Prospect av, New York
Niagara Auto Radiator Co., 151 W 68th, New York
Perkins-Campbell Co. ("Campbell"), 632 B'way, Cincinnati, O.
Peterson F. W. Co., 113 Greene, New York
Premier Auto Novelty Mfg. Co., 149 Chambers, New York
Smith James & Son, 40 Franklin av, Brooklyn, N. Y.
Stiles H. A. & Co. (Wood), 166-174 Portland, Boston, Mass. *See adv index at end of book*
Sutherland F. L. Co., 748 Beaubien, Detroit, Mich.
Williams J. H. & Co. ("Vulcan" Drop-Forged), 400 Vulcan, Buffalo, N. Y.

5831— Handles (Currycomb)

American Spiral Spring & Mfg. Co., 5600 Harrison, Pittsburgh, Pa. *See adv index at end of book*
BOGERT & HOPPER, INC. (Wooden), 57 *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5831a— Handles (Cutlery)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Celluloid Co., 86 Washington Pl., New York
DU PONT E. I. DE NEMOURS & CO., INC., Pyralin Dept. ("Pyralin." See Adv at Celluloid), Arlington, N. J. *See adv index at end of book*
Estes E. B. & Sons (Knife, Putty Knife, &c., Cleaver), 364 5th av, New York *See adv index at end of book*
Peterson F. W. Co., 113 Greene, New York
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5832— Handles ("D")

American Mfg. Co. (Iron, Wood & Steel), Chattanooga, Tenn.
ANCHOR SAW MILLS CO., 434 Washington, New York
Piqua Handle & Mfg. Co. (Split), P. O. Box 307, Piqua, O.
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5832a— Handles (Damper)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, O. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5832b—*Handles (Detachable Tool)

Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

5832c— Handles (Dipper)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Peterson F. W. Co., 113 Greene, New York
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co. (Wood Only), 166-174 Portland, Boston, Mass. *See adv index at end of book*

5832d— Handles (Dish Mop)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
South Bend Dowel Co., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

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Tool, Cutlery and all kinds of small Turned Handles, Enameled, Polished, or Plain

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E. B. ESTES & SONS, 364 Fifth Ave., N. Y.

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5832e—Handles (Door, Drawers, etc.)

See also Pulls, Door, & Pulls Drawer

Axford & De Shields, Chestnut & University, San Jose, Cal.
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Corbin P. & F. ("Corbin"), Dept H, New Britain, Conn.
Earle Hdwe Mfg. Co., 2369 E. 51st, Los Angeles, Cal.
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
Laughlin Thos. Co. (Bronze), 135 Fore, Portland, Me. *See adv index at end of book*
Oxford & De Shields, Chestnut & University, San Jose, Cal.
Stanley Wks., New Britain, Conn. *See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Waterbury Button Corporation, 831 So. Main, Waterbury, Conn. *See adv index at end of book*
Western Brass Mfg. Co., 217 Tehama, San Francisco, Cal.

5833— Handles (Drop)

Austin & Smith Co., 164 Brewery, New Haven, Conn.
Brainerd Mfg. Co., East Rochester, N. Y.
Corbin P. & F., New Britain, Conn.
Northwestern Stamping Co. (For Washing Machines), Burlington, Iowa
Penn Hardware Co., Reading, Pa.
Stanley Works, New Britain, Conn. *See adv index at end of book*

5833a— Handles (Ebony)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5834—Handles (Electric Switch)

Allen Mfg. Co. (Wood Turning & Enameling Div.), New Durham, N. H.
American Enamel Co., Providence, R. I.
American Wood Working Co., 4345 Wabansia av, Chicago, Ill.
Auburn Button Works, Inc., Auburn, N. Y.
BOGERT & HOPPER, INC. (Wooden), 57 Barclay, New York *See adv index at end of book*
Bryant Electric Co., 1421 State, Bridgeport, Conn.
Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, O. *See adv index at end of book*
DIAMOND STATE FIBRE CO. (Insulating handles for switches, etc), Dept. 37, Bridgeport, Pa. *See adv index at end of book*
Electrose Mfg. Co. (Composition), 70 Washington, Brooklyn, N. Y.
ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*
Gallup Ruffing Handle Co., Norwalk, O.
Hemming Mfg. Co., Garfield, N. J.
Iten Fibre Co., 2355-2359 E 67th, Cleveland, Ohio *See adv index at end of book*
International Insulating Corp., 25 W 45th, New York
McGill Mfg. Co., 77 Oak, Valparaiso, Ind.
Mossman Jerome (Est. of), Fitchburg, Mass.
Narragansett Mach. Co. (Wood), Providence, R. I.
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del. *See adv index at end of book*
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Novelty Turning Co. (Wood), Norway, Me.
Peterson F. W. Co., 113 Greene, New York
Scranton Button Co. (Electroid), Scranton, Pa.
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co. (& Lamp), 166-174 Portland, Boston, Mass. *See adv index at end of book*
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y. *See adv index at end of book*
Stratton Mfg. Co., Stratton, Me.
Union Hardware Co., Torrington, Conn.
Waterbury Button Corporation, 831 So. Main, Waterbury, Conn. *See adv index at end of book*
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa. *See adv index at end of book*

5835—Handles (Emery Wheel Dresser)

Quadriga Mfg. Co., 213 W. Grand av, Chicago, Ill. *See adv index at end of book*

5836—Handles (Enameled Wood)

Baker, McMillen Co., Akron, O.
BOGERT & HOPPER, INC., 57 Barclay, New York *See adv index at end of book*
ESTES E. B. & SONS, 364 5th av, New York. *See adv index at end of book*
Fuller J. J., Westfield, Mass.
Peterson F. W. Co., 113 Greene, New York
STILES H. A. & CO., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Sun Enamel Works (For Electric Switch, Rubber Stamp, Knife Knob, etc), Leominster, Mass.

5837— Handles (Fan)

American Novelty Co., Wellsville, N. Y.
Am. Rule & Block Co., Menominee, Mich.
Bliss Mfg. Co. (Soft Wood), Bliss, N. Y.
Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5838—Handles (Farm Tool, Ash)

(FORK, SHOVEL, SPADE, RAKE, ETC.)
See also Handles, Wood

Alexander Geo. E. & Son (Fork), Sunapee, N. H.
American Fork & Hoe Co., Swetland bldg, Cleveland, O.
Ames Shovel & Tool Co., Ames bldg, Boston, Mass.
ANCHOR SAW MILLS CO. (Fork), 434 Washington, New York
Auburn Handle Co., Auburn, Ind.
Brinser E. C. Sons, Richmond, Va.
Derby & Ball (Fork), Bellows Falls, Vt.
Carrier Lbr. & Mfg. Co., Sardis, Miss.
Columbus Handle & Tool Co., Columbus, Ind.
Crook Son & Co., Hicksville, O.
Dayton Handle & Golf Co., Dayton, Ohio
Eugene Handle Co. ("Willakenzie"), Eugene, Ore.
Fischer & Hayes Rope & Steel Co., 816 W. Erie, Chicago, Ill. *See adv index at end of book*
Fowler-Wainwright Handle Co., Forsyth rd, Macon, Ga.
Harris Mfg. Co., Johnson City, Tenn.
Hartwell C. L. & Co., Chicago Heights, Ill.
I. X. L. Handle Mfg. Co., Dexter, Mo.
Jonesboro Handle Co., Jonesboro, Ark.
Lewiston Handle Co. (Shovel & Spade), Lewiston, Me.
McCrillis Handle Co. (The), (Hickory Tool Handles), Norwalk, Ohio
Mahle C. A. & Son, Ltd., Corry, Pa.
Marion Handle & Mfg. Co., Marion, Ind.
Piqua Handle & Mfg. Co., P. O. 307, Piqua, O.
Smith J. W. (Scythe), Dept. H, Luxora, Ark.
Standard Churn Co. (Fork), Wapakoneta, O.
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Strock L. W. & Co., Bethlehem, Pa.
Union Fork & Hoe Co., Columbus, O.
Union Handle Co., Frankfort, N. Y.
United Handle Mills ("Monarch"), 17 Battery pl, New York
U. S. Handle Co., Piqua, O.

5839— Handles (File)

Allen Chas. I., Pequabuck, Conn.
Allen Mfg. Co. (Wood Turning & Enameling Div.), New Durham, N. H.
Baker, McMillen Co., Akron, O.
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Buckeye Mfg. & Fdry Co. (Malleable), 2046 W 55th, Cleveland, O.
Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*
Gallup Ruffing Handle Co., Norwalk, O.
Golden State Machine Wks. ("Universal" Clamp), 1038 23d av, Oakland, Cal.
Gray Iron Foundry Co., Reading, Pa.
Grover File Co., Nashua, N. H.
Lutz File Co. ("Lutz"), 806 Broadway, Cincinnati, O.
Millers Falls Co. ("Universal"), Dept H, Millers Falls, Mass.
Mossman Jerome (Est. of), Fitchburg, Mass.
NICHOLSON FILE CO., Providence, R. I.
O'Neil J. H. Jr., Pawtucket, R. I.
Osgood J. L. Tool Co. ("Indestructible"), Buffalo, N. Y.
Parker-Kalon Corp. ("Parker-Kalon"), 362 W. 13th, New York
Peterson F. W. Co., 113 Greene, New York
Pittsburgh Gage & Supply Co., Dept. H, 30th & Liberty, Pittsburgh, Pa.
Piqua Handle & Mfg. Co., P. O. Box 307, Piqua, O.
Robinson M. W. Co. ("Lock Jaw," "Rollis"), 296 B'way, New York
Rowe Henry Mfg. Co., Newaygo, Mich.
Safety Handle Co. ("Skrooz-On"), 925 E Scotts av, Stockton, Cal.
Sargent & Co., New Haven, Conn.
Smith J. B. (Jewelers, etc, Soft Wood, Plain & Hardwood Polished), Geneva, Ohio
South Bend Dowel Co., South Bend, Ind. *See adv index at end of book*
Standard Turning Works, Cambridge, Mass.
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
STILES H. A. & CO. ("Hasco Brand"), 166-174 Portland, Boston, Mass. *See adv index at end of book*
Stratton Mfg. Co., Stratton, Me.
Strock L. W. & Co., Bethlehem, Pa.
Troy File Works ("Best"), Troy, N. Y.
Windham Handle Co. (Oak, Hickory & Ash), S Windham, Conn.

5839a—Handles (Fishing Rod)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5839b—Handles (Fly Killer)

American Novelty Co., Wellsville, N. Y.
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5840— Handles (Force Cup)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Piqua Handle & Mfg. Co., P. O. Box 307, Piqua, O.
STILES H. A. & CO., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Strombeck-Becker Mfg. Co., Box 74a, Moline, Ill. *See adv index at end of book*
Union Handle Co., Frankfort, N. Y.

5840a—Handles (Garage Door)

Richards-Wilcox Mfg. Co., Aurora, Ill. *See adv index at end of book*
Stanley Works, New Britain, Conn. *See adv index at end of book*
Union Handle Co., Frankfort, N. Y.

5840b—Handles (Garden Floral Sets)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5840c— *Handles (Gas Cock)

Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5841— Handles (Gas Taper)

Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*

5841a— Handles (Gimlet)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5841b—Handles (Grass Hook)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Peterson F. W. Co., 113 Greene, New York
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5842— Handles (Hammer)

American Handle Co. ("Ozark," "Chicot," "Bonnie," "American King"), Jonesboro, Ark.
Buckeye Handle, Gear & Bending Co., Alliance, O.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Canfield Mfg. & Novelty Co., Canfield, O.
Clark-Danforth Handle Co., Cairo, Ill.
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 816 W. Erie, Chicago, Ill. *See adv index at end of book*
Harrison Supply Co. (Connecticut Hickory), 209 Washington, Boston, 9, Mass.
Hartwell Bros., Inc. (Hickory), 68 Thomas, New York
Hartwell Handle Co., Harvey, Ill.
Heiser J. B., Atwater, O.
La Pierre-Sawyer Handle Co., Jackson, Mo.
McCRILLIS HANDLE CO. (THE), Norwalk, Ohio
Medina Bending Works, Medina, O.
North American Handle Co., Fort Hill sq, Boston, Mass.
Peterson Samuel, Warren, Pa.
Stanley Rule & Level Co. (Atha Division), New Britain, Conn.
STILES H. A. & CO., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Stossel Carl & Sons Co., Front Royal, Va.
Strock L. W. & Co., Bethlehem, Pa.
Thomasville Spoke Works Co., Thomasville, N. C.
Titusville Handle Co., Titusville, Pa.
Warner Hammer Co., Cromwell, Conn.
Warren Handle Works (Hickory etc), Cortland, O.
Winchester Repeating Arms Co., 275 Winchester av, New Haven, Conn.
Windham Handle Co., South Windham, Conn.
Zelnicker Walter A. Supply Co., 325 Locust, St. Louis, Mo.

5843— Handles (Hard Rubber)

Stokes Jos. Rubber Co. (Various Designs), Trenton, N. J.

5843a—Handles (Hatchet, Pick, Plane, Etc)

Gray Iron Foundry Co., Reading, Pa.
Hartwell Handle Co., Harvey, Ill.
ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*
McCrillis Handle Co. (The), Norwalk, Ohio
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5844— Handles (Hay Knife)

Piqua Handle & Mfg. Co. (Corn & Grass Hook), P. O. Box 307, Piqua, O.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5844a—Handles (Hedge, Shear)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5845— Handles (Hickory)

(AXE, PICK, HAMMER, SLEDGE, ETC.)
See also Handles, Wood
American Handle Co., Jonesboro, Ark.
Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Brusher J. B., Norristown, Pa.
Buckeye Handle, Gear & Bending Co., Alliance, O.
Buffum Tool Co. ("Swastika"), South Side Louisiana, Mo.
Canfield Mfg. & Novelty Co., Canfield, O.
Carpenter & Bayles, 75 Barclay, New York
Clark-Danforth Handle Co., Cairo, Ill.
Cupples Samuel Woodenware Co., 7th & Spruce, St. Louis, Mo.
Des Arc Handle Co., Des Arc, Mo.
Estes E. B. & Sons ("Everlasting," "Old Dominion," "Piedmont," "Sincerity," "Stalwart," "Tenacious"), 364 5th av, New York *See adv index at end of book*
FISCHER & HAYES ROPE & STEEL CO., 816 W Erie, Chicago, Ill. *See adv index at end of book*
Fulkerson Bros. Handle Co. (Sledge), Puxico, Mo.
Gallup Ruffing Handle Co., Norwalk, O.
Hartwell Bros., Inc., 68 Thomas, New York
Hartwell C. L. & Co. (Jack Handles), Chicago Heights, Ill.
Hartwell Handle Co. ("Ajax," "Banner," "Eureka," "Eclipse," "Hawk," "Liberty," "Lincoln," "Star," "Wizard"), Harvey, Ill.
Hickory Handle & Mfg. Co., Conover, N. C.
I. X. L. Handle Mfg. Co. (Axe, Pick & Sledge), Dexter, Mo.
Ivory Handle Co., Hope, Ark.
Keller & Tamm Mfg. Co. (Axe, Pick, Sledge), Victor & Levee, St. Louis, Mo.
Kelsey Horatio, Clinton, Conn.
Landis S. H. & Bro., Quakertown, Pa.
La Pierre-Sawyer Handle Co. (Axe, Pick & Sledge), Jackson, Mo.
Lewiston Handle Co. (Sledge), Lewiston, Me.
McCRILLIS HANDLE CO. (THE), (Axe, Adze, Ash, Pick, Sledge, Tool, Spike, Maul, Hammer, Hatchet, etc.), Norwalk, Ohio
Minton T. W. & Son, Barbourville, Ky.
North American Handle Co., 174 Portland, Boston, Mass.
Peterson Samuel, Warren, Pa.
Prouty C. & Co. (Sledge), Eldred, Pa.
Ransome Concrete Machinery Co., Dunellen, N. J.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
STROCK L. W. & CO., Bethlehem, Pa.
Tatem J. B. & Son, Putnam, Conn.
Titusville Handle Co., Titusville, Pa.
Turner, Day & Woodworth Handle Co Louisville, Ky.
United Handle Mills ("Monarch"), 17 Battery pl, New York
Warren Axe & Tool Co., Dept H, Warren, Pa.
Warren Handle Works (All Kinds), Cortland, O.
Whitaker Bros. Co. (Hoe, Rake, Fork), Meridian, Miss.
Willingham E. G. (Tool), Moorhead av, Memphis, Tenn.
Windham Handle Co. (Axe, Pick, Hammer, etc), S Windham, Conn.
Worth Hardware Co., 108 Worth, New York
Yingling Bros. & Co., Monroeville, O.
Zelnicker Walter A. Supply Co. ("Zelnicker" Dealer), 325 Locust, St. Louis, Mo.
Zimmerman J. N., Owosso, Mich.

5845a—*Handles (Hollow Tool)

Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5845b—Handles (Horse Clipper)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5845c— Handles (Hydrant)

Crane Co., 836 S Michigan av, Chicago, Ill. *See adv index at end of book*

5846— Handles (Ice Hook)

Piqua Handle & Mfg. Co., P. O. Box 307, Piqua, O.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5846a—Handles (Ice Pick & Ice Shave)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5847—Handles (Imitation Stag)

Rogers & Hubbard Co., Middletown, Conn.

5847a—Handles (Incandescent Lamp Guard)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5848— Handles (Insulated)

BRANDYWINE FIBRE PRODUCTS CO. (Vulcanized Fibre Tubing), East Wilmington, Del. *See adv index at end of book*
Continental Fibre Co. ("Bakelite-Dilecto' Fibre), Newark, Del.
DELAWARE HARD FIBRE CO. (Hard Fibre), Wilmington, Del. Works: Marshallton, Del. *See adv index at end of book*
Diamond State Fibre Co. (Hard Fibre), Dept. 37, Bridgeport, Pa. *See adv index at end of book*
Fibroc Insulation Co. ("Fibroc"), cor. Campbell, Valparaiso, Ind. *See adv index at end of book*
Iten Fibre Co., 2358 E 67th, Cleveland, O. *See adv index at end of book*
National Vulcanized Fibre Co. (Vulcanized Fibre), Beach & Maryland av, Wilmington, Del. *See adv index at end of book*
Spaulding Fibre Company, Inc. (Hard Fibre), Tonawanda, N. Y. *See adv index at end of book*
Standard Fibre Co., Miller St., Somerville, Mass.
Waterbury Button Corporation, 831 So. Main, Waterbury, Conn. *See adv index at end of book*
Wilmington Fibre Co. (Hard Fibre), Wilmington, Del.

5849— Handles (Ivory)

Grote F. & Hubbell Co., 82 4th av, New York
Kapp A. Jos. Sons Ivory Co., 124 E 14th, New York
Tower Sylvester Co., Cambridge, Mass.
Waterbury Button Corporation, 831 So. Main, Waterbury, Conn. *See adv index at end of book*

5849a— Handles (Kettle)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Peterson F. W. Co., 113 Greene, New York
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co. (Wood Only), 166-174 Portland, Boston, Mass. *See adv index at end of book*

5849b—Handles (Knife—Corn, Shoe, Kitchen, etc)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Delaware Hard Fibre Co. (Fibre), Wilmington, Del. *See adv index at end of book*
DU PONT E. I. DE NEMOURS & CO., INC., Poughkeepsie Plant (Pyralin), Poughkeepsie, N. Y. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. Co. (Table, Putty, Pocket, etc.), 166-174 Portland, Boston, Mass. *See adv index at end of book*

5849c— Handles (Ladle)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E B. & Sons, 364 5th av, New York *See adv index at end of book*
Peterson F. W. Co., 113 Greene, New York

5850—Handles (Lather Brush)

BOGERT & HOPPER, INC. (Wood), 57 Barclay, New York *See adv index at end of book*
ESTES E. B. & SONS, 364 5th av, New York. *See adv index at end of book*



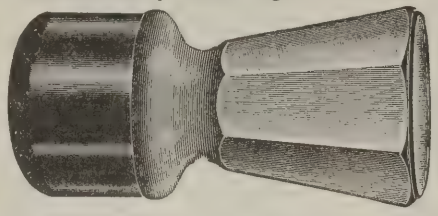
Wooden Handles
All Kinds Turned or Flat in Any Finish
For Lather Brushes, Kitchenware Household Utilities, Etc.
Enameled Finishes of Highest Qualities
E. B. ESTES & SONS
364 Fifth Ave. New York
"World's Largest Woodturners" Est. 1847

Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5850a—Handles (Lawn Mower)

Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

Lather Brush Handles.
Phonograph Handles.
Sad Iron Handles.
Special Handles for every purpose.
Polished Boxwood Finish.
Plain and Fancy Enameling.





BOGERT & HOPPER, INC.
57 Barclay Street New York, N. Y.
MILLS:—Maine—Vermont—Massachusetts

5850b— Handles (Leather)

Am. Leather Products Co. (& Straps), Dept H, 22nd & Montelm, Indianapolis, Ind.
Badger Handle Co., 415-3rd, Milwaukee, Wis.
Canvas Leather Specialty Co., 757 Cass, Trenton, N. J.
CHICAGO BELTING CO., 110 N Green, Chicago, Ill.
See adv index at end of book
Detroit Leather Works, 683 Lafayette av, E., Detroit, Mich.
Graton & Knight Mfg. Co. (Trunk, Suit & Sample Case, etc.), 244 Franklin, Worcester, Mass.
Nott W. S. Co. (Trunk, etc), 2d av N and 3d, Minneapolis, Minn.

5851a— Handles (Lever)

Belden Mfg. Co., 2316 S Western av, Chicago, Ill.
Commercial Shearing & Stamping Co., Youngstown, Ohio
Sargent & Co., New Haven, Conn.
Youngstown Pressed Steel, Warren, O.
See adv index at end of book

5851b—Handles (Lubricator)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5852— Handles (Machine)

Billings & Spencer Co. ("B. & S." Drop Forged), Hartford, Conn.
Bonney Forge & Tool Works, Allentown, Pa.
Cincinnati Ball Crank Co. (Steel), N. Oakley, Cincinnati, O.
Lockwood Sprinkler Co. of Mass. ("Rockwood" Hollow Pressed Steel), 38 Harlow, Worcester, Mass.
New Britain Tool & Mfg. Co., New Britain, Conn.
Page-Storms Drop Forge Co., Chicopee, Mass.
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book
Williams J. M. & Co. ("Vulcan" Drop Forged), 400 Vulcan, Buffalo, N. Y.

5853—*Handles (Machine Wood)

Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

5853a—*Handles (Manicure Instruments)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

5854—Handles (Microphone)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Scranton Button Co. (Corrugated Desk or Microphone), Scranton, Pa.

5855— Handles (Mop, Etc.)

See also Mop Sticks & Holders
ANCHOR SAW MILLS CO., 434 Washington, New York
Auburn Handle Co., Auburn, Ind.
Bay State Mop Co., Woburn, Mass.
Beaton & Cadwell Mfg. Co. (Domestic & Janitor Sizes), 185 Main, New Britain, Conn.
Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Borgeson C. E., 1775 Wilson av, Chicago, Ill.
Ely Theo. J. Mfg. Co., Girard, Pa.
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Eugene Handle Co. ("Willakenzie"), Eugene, Ore.
Harper Brush Works, Fairfield, Ia.
Haskew S. T. & Co. ("Haskew"), Dept. H, Jackson, Tenn.
Himmelberger-Harrison Lumber Co., Morehouse, Mo.
Hoosier Mfg. Co. ("Black Cat"), 1231 Roosevelt av, Indianapolis, Ind.
Piqua Handle & Mfg. Co. (Special Polished & Threaded), P. O. Box 307, Piqua, O.
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Tucker Duck & Rubber Co., Fort Smith, Ark.
Turner T. J., Marked Tree, Ark.
Union Handle Co., Frankfort, N. Y.
Western Oregon Handle Co., 933 Sandy blvd., Portland, Ore.
Whitaker Bros. Co., Meridian, Miss.
Whitaker Wm. D., Cedar Grove, Phila., Pa.
Wing Spool & Bobbin Co., Kingfield, Me.
Zan Bros., Inc., 691 York, Portland, Ore.

5855a— Handles (Oven Door)

Austin & Smith Co. (Wire), 164 Brewery, New Haven, Conn.
See adv index at end of book
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*

5856— Handles (Package)

Acme Handle Co., 223 Orient av, Jersey City, N. J.
Beehler Steel Products Co., 1449 N 18th, St. Louis, Mo
See adv index at end of book
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Excelsior Package Handle Co., 118 N 2d, Phila., Pa.
Gem Stopper Co., 2120 Nicholas, Phila., Pa.
Grover R. A. Andover, Me.
STILES H. A. & CO. (Carrying), 166-174 Portland, Boston, Mass.
See adv index at end of book
Tichener-Diehl Co., 1844-48 W. Austin av, Chicago, Ill.
Tie Co. (Common Book Handles, "Frazier," "Our Leader"), Unadilla, N. Y.

5857— Handles (Pail)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Gallup Ruffing Handle Co., Norwalk, O.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Tichener-Diehl Co., 1844-48 W. Austin av, Chicago, Ill.

5858—Handles (Painter's Brush)

Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

5858a—Handles (Percolator)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5858b—Handles (Phonograph Crank)

BOGERT & HOPPER, INC., 57 Barclay, New York *See adv index at end of book*
Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, O.
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
General Phonograph Corp., 15 W 18th, New York
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

Handles (Pike Pole)

See Handles, Canthook & Peavey

5859— Handles (Plow)

Atlanta Plow Co., Atlanta, Ga.
Eureka Bending & Wheel Works, York, Pa.
Farmville Mfg. Co., Farmville, Va.
Fort Smith Rim & Bow Co., Fort Smith, Ark.
Gantt Mfg. Co., Macon, Ga.
Harriman Mfg. Co., Harriman, Tenn.
Kelby G. A. Plow Co., Longview, Tex.
Look & Lincoln, Marion, Va.
Moul Mfg. Co., Hanover, Pa.
Ohio Cultivator Co., Bellevue, O.
Oval Oak Mfg. Co., Siler City, N. C.
Parlin & Orendorff Co., Canton, Ill.
Phipps J. H. Lumber Co., Fayetteville, Ark.
Reuter Hub & Spoke Co., Dexter, Mo.
Rock Island Plow Co., Rock Island, Ill.
Swanson Plow Co., Muskogee, Okla.
Towers & Sullivan Mfg. Co., Rome, Ga.

5860—Handles (Pocket & Table Knife)

Union Pearl Works (Pearl), 43 W 27th, New York

5861— Handles (Porcelain)

Mitchell-Bissell Co., 334 4th av, New York

5861a—Handles (Portable Lamp)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Brandywine Fibre Products Co. (Vulcanized Fibre Tubing), East Wilmington, Del. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

5862—Handles (Post Hole Digger)

Auburn Handle Co., Auburn, Ind.
Piqua Handle & Mfg. Co., P. O. Box 307, Piqua, O.
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book

5862a—Handles—Pull (Water Closet)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 Fifth av, New York *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5862b—*Handles (Putty Knife)

Estes E. B. & Sons, 364 Fifth av, New York *See adv index at end of book*

Handles (Rasp)

See Handles, File

5863— Handles (Ratchet)

Goodell-Pratt Co., Greensfield, Mass.
Waterbury Button Corp, 831 So. Main, Waterbury, Conn.
See adv index at end of book

5863a— Handles (Razor)

Delaware Hard Fibre Co., Wilmington, Del.
See adv index at end of book
DU PONT E. I. DE NEMOURS & CO., INC., Pyralin Div. ("Pyralin." See Adv at Celluloid), Arlington, N. J.
See adv index at end of book

5864— Handles (Revolver)

Sansom John H. A (Pearl)., 174 Worth, New York
Union Pearl Works (Pearl & Ivory), 43 W 27th, New York

5864a—Handles (Rubber Stamp)

BOGERT & HOPPER, INC., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5865— Handles (Sad Iron)

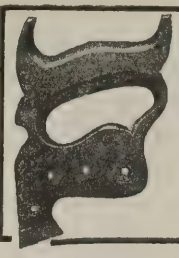
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Baker, McMillen Co., Akron, O.
Bless & Drake, 175 N J R R av, Newark, N. J.
BOGERT & HOPPER, INC. (Wood), 57 Barclay, New York
See adv index at end of book
Cochrane, J. A. Brass Mfg. Co., 1403 E 40th, Cleveland, O.
Enterprise Mfg. Co. of Pa. ("Best"), 3d & Dauphin, Phila., Pa.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Fanner Mfg. Co. ("Arctic" for Mrs. Potts Irons), Cleveland, O.
Gallup Ruffling Handle Co., Norwalk, O.
Grey Iron Casting Co. (Potts, etc), Mt. Joy, Pa.
Piqua Handle & Mfg. Co., P O Box 307, Piqua, O.
Reading Saddle & Mfg. Co. ("Sure Grip," **"Easy Lift"), Reading, Pa.**
Sager Lock Co., North Chicago, Ill.
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Williams A. C. Co., Ravenna, O.

5866— Handles (Saw)

Atkins E. C. & Co., 402 S. Illinois, Indianapolis, Ind.
Beaton & Cadwell Mfg. Co. (Cross Cut), New Britain, Conn.
Bogert & Hopper, Inc. (Cross-Cut, Hand, etc.), 57 Barclay, New York
See adv index at end of book
Chapin-Stephens Co. (Hand), Pine Meadow, Conn.
Columbus Handle & Tool Co. (Cross-Cut), Columbus, Ind.
Disston Henry & Sons (Cross-Cut, Hand, etc), Tacony, Phila., Pa.
Ely, Theo. J. Mfg. Co. (Cross-Cut), Girard, Pa.
Estes E. B. & Sons (Cross-Cut, Hand, **etc), 364 5th av, New York**
See adv index at end of book
Jennings C. E. & Co., 71 Murray, New York
Piqua Handle & Mfg. Co., P. O. Box 307, Piqua, O.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Stiles H. A. & Co., (Hand), 166-174 Portland, Boston, Mass.
See adv index at end of book

5867—Handles (Screw Driver)

Allen Chas. I., Terryville, Conn.
Baker, McMillen Co., Akron, O.
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Buck Bros., Millbury, Mass.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Fuller J. J., Westfield, Mass.
Gray Iron Foundry Co., Reading, Pa.
Osgood J. L. Tool Co. ("Indestructible"), Buffalo, N. Y.
Peterson F. W. Co., 113 Greene, New York
Piqua Handle & Mfg. Co. (Wooden), P. O. Box 307, Piqua, O.
Sargent & Company, New Haven, Conn.
South Bend Dowel Co., South Bend, Ind.
See adv index at end of book
Stanley Rule & Level Co., New Britain, Conn.
STILES H. A. & CO., 166-174 Portland, Boston, Mass.
See adv index at end of book
Strombeck-Becker Mfg. Co., 51st & 4th av, Moline, Ill.
Stratton Mfg. Co., Stratton, Me.
Sun Enamel Works (Wood), Leominster, Mass.
Tuck Mfg. Co., Brockton, Mass.



Saw Handles Percolator Handles

Flat Wooden Handles of all kinds, in all finishes
Special Turned and Shaped Woodwork Generally

E. B. ESTES & SONS, 364 Fifth Ave., New York

Factories: Gorham, N. H., Farmington, Me., Hancock, Mass.

5867a—Handles (Shaving Brush)

DU PONT E. I. DE NEMOURS & CO., INC., Poughkeepsie Plant (Pyralin), Poughkeepsie, N. Y.
See adv index at end of book
Peterson F. W. Co., 113 Greene, New York
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5868—Handles (Shoe Brush)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 Fifth av, New York. *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Williams & Hurd, West Arlington, Vt.

5869—Handles (Soldering Copper & Iron)

Baker, McMillen Co. (Wood), Akron, O.
Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Nashua Spool & Bobbin Co. (Wood), Haverhill National Bank bldg, Haverhill Mass.
Osgood J. L. Tool Co. ("Indestructible"), Buffalo, N. Y.
Parker-Kalon Corp. ("Parker-Kalon"), 362 W. 13th, New York
Peterson F. W. Co., 113 Greene, New York
Piqua Handle & Mfg. Co. (Wooden), P. O. Box 307, Piqua, O.
Standard Turning Works, Cambridge, Mass.
STILES H. A. & CO., 166-174 Portland, Boston, Mass.
See adv index at end of book
Stossel Carl Sons & Co., Front Royal, Va.
Sun Enamel Works, Leominster, Mass.
Windham Handle Co., South Windham, Conn.

5869a—Handles (Special Wood)

BOGERT & HOPPER, INC., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
McCrillis Handle Co. (The), Norwalk, Ohio
SOUTH BEND DOWEL CO., South Bend, Ind. *See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Union Handle Co., Frankfort, N. Y.

Handles (Store Door)

See Locks & Knobs, Door

5870—Handles (Tack Puller)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Peterson F. W. Co., 113 Greene, New York
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5870a—Handles (Tea & Coffee Pot)

Bogert & Hopper, Inc. (Enameled Wood), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons (Enameled Wood), 364 5th av, New York
See adv index at end of book
Peterson F. W. Co., 113 Greene, New York
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book
Stiles H. A. & Co. (Enameled Wood), 166-174 Portland, Boston, Mass.
See adv index at end of book

Handles (Timber Carrier or Lug Hook)

See Handles, Canthook & Peavey.

5870b—Handles (Tire Pump)

Estes E. B. & Sons, 364 5th av. New York
See adv index at end of book
Peterson F. W. Co., 113 Greene, New York
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5871— Handles (Tool)

See also Handles, Various Kinds; also Handles, Wood

Bayless Mfg. Co. (Hammer, Hatchet, Sledge, Pick), 440 N Main, Memphis, Tenn.
BOGERT & HOPPER, INC. (Small Tool Handles of all kinds), 57 Barclay, New York *See adv index at end of book*
Buck Bros. (Chisel Carving Tool, etc), Millbury, Mass.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Burgess & Norton Mfg. Co. ("Bur-Nor" all Steel, Hollow Steel Handle, Shingling, Half Youths, Packing, Full Blade, etc), Geneva, Ill.
Delapierre Arthur, Inc., 19 Warren, New York
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Golden State Machine Wks. ("Universal" Clamp), 1038 23d av, Oakland, Cal.
Hartwell Handle Co. ("Ajax," "Banner," "Eureka," "Eclipse," "Hawk," "Liberty," "Lincoln," "Star," "Wizard," "Hickory"), Harvey, Ill.
Kelsey Horatio (Axe, Pick, Sledge, Hammer, etc.), Clinton, Conn.
McCRILLIS HANDLE CO. (THE) (Axe, Pick, Sledge, etc.), Norwalk, Ohio
Osgood J. L. Tool Co. ("Indestructible"), Buffalo, N. Y.
PETERSON F. W. CO., 113 Greene, New York
Piqua Handle & Mfg. Co. (Chisel, Carving Tool, File, Auger, Screw Driver, Hammer, Ice Pick, Brad Awl, Trowel, Cleaver, Brace, Wrench, etc), P. O. Box 307, Piqua, O.
Pittsburgh Gage & Supply Co. ("Best-Ov-All"), 30th & Liberty av, Pittsburgh, Pa.
Sargent & Company (Chisel, Brad Awl, etc), New Haven, Conn.
Schutz Bros., Inc., 152 Chambers, New York
Smith J. B. (Small, Plain & Polished), Geneva, O.
Standard Turnings Wks., Cambridge, Mass.
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book
Stratton Mfg. Co. (Small), Stratton, Me.
Sun Enamel Works (All Kinds, Enameled & Japanned, etc), Leominster, Mass.
Union Handle Co., Frankfort, N. Y.
U. S. Handle Co. (Farm Tools), Piqua, O.
Windham Handle Co. (Oak, Hickory & Ash, Axe, Pick, Chisel, File, etc), So. Windham, Conn.

5872—Handles (Torch Light)

Piqua Handle & Mfg. Co., P. O. Box 307, Piqua, O.
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5873— Handles (Tray)

Brainerd Mfg. Co., East Rochester, N. Y.
Peterson F. W. Co., 113 Greene, New York
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book
Titchener-Diehl Co., 1844-48 W Austin av, Chicago, Ill.
Weber-Knapp Co. (Cast Brass), Jamestown, N. Y.

5873a—Handles (Trowel)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Peterson F. W. Co., 113 Greene, New York
Stevenson Mfg. Co. (Wooden), South Bend Ind. *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5873b— Handles (Trunk)

CHICAGO BELTING CO., 110 N Green, Chicago, Ill.
See adv index at end of book

(Continued on following page)

TURNED WOOD WORK HICKORY HANDLES, VALVE WHEELS, SHOOKS, LOCK CORNER BOXES, VENEER, DOWELS, CABINETS

We operate mills making *all kind of Turned Wood Work, from Foreign and Domestic Woods.* Our mills are equipped with the latest machinery and located in the most advantageous places. We can furnish any finish desired. Send us your sample handles, B. P., or any article made of wood, and we will quote you.

SPECIAL WORK GIVEN PROMPT ATTENTION

H. A. STILES & CO. 166-74 Portland Street Wood Working Department BOSTON, MASS.

Handles (Trunk)—Continued

Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5874-5— Handles (Tub)

Am. Leather Products Co., Dept H, 22nd & Montelm, Indianapolis, Ind.
Auer John Jr. (Wrought), 197 Middleton, Brooklyn, N. Y.
Beehler Steel Products Co., 1449 N 13th, St. Louis, Mo. *See adv index at end of book*
Campbell Wire Specialty Wks., South Bend, Ind.
Stanley Works (Wrought Curved Plate), New Britain, Conn. *See adv index at end of book*
Stiles H. A. & Co. (Wood Only), 166-174 Portland, Boston, Mass. *See adv index at end of book*
Titchener E. H. & Co., 136 Walnut, Binghamton, N. Y.

5876—Handles (Vacuum Cleaner)

Piqua Handle & Mfg. Co., P. O. Box 307, Piqua, O.
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5877— Handles (Valve)

See also Wheels, Valve

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Crane Co. (For Iron or Brass Valves), 836 Michigan av, Chicago, Ill. *See adv index at end of book*
Estes E. B. & Sons (Steam), 364 5th av, New York *See adv index at end of book*
Gallup Ruffing Handle Co., Norwalk, O.
Holton Abbott Mfg. Co. (Radiator), 59 Goram, W. Somerville, Mass.
Holton-Abbott Mfg. Co. ("Komtsplit.' Wood-Metal Unitized), 59 Goram, West Somerville, Mass.
Jenkins Bros. (Wood, Brass, Iron & Wire), 80 White, New York *See adv index at end of book*
Kelly & Jones Co., The (For Brass Iron & Steel Valves), Greensburg, Pa. *See adv index at end of book*
Piqua Handle & Mfg. Co. (Wooden), P. O. Box 307, Piqua, O.
Standard Turning Works, Cambridge, Mass.
STILES H. A. & CO. (Steam, etc.), 166-174 Portland, Boston, Mass. *See adv index at end of book*
Walworth Mfg. Co., 824 Pearl, Boston, Mass.

5878-9—Handles (Wagon)

Abeles & Taussig Lumber & Tie Co., Commercial bldg, St. Louis, Mo.
Searls Mfg. Co. (Milk, Express Vans, etc), 29 Mulberry, Newark, N. J.

5879a—Handles (Wall Scraper)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5879b— Handles (Wash Boiler)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, Ohio *See adv index at end of book*
Estes E. B. & Son, 364 5th av, New York *See adv index at end of book*
McAleer E. J. & Co., 1422 N 8th, Phila., Pa.
Peterson F. W. Co., 113 Greene, New York
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5879c—Handles (Whisk Broom)

BOGERT & HOPPER, INC., 57 Barclay, New York *See adv index at end of book*
Celluloid Co., 36 Washington pl, New York
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5880—Handles (White Metal)

Auburn Handle Co., Auburn, Ind.
Krouse W. E. & Bro. (For Umbrellas, Canes, Whips, etc.), 115 Carleton av, Bridgeport, Conn.

5880a—*Handles (Window Brush)

Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5881—Handles (Window & Shutter)

STANLEY WORKS (Wrought Steel), New Britain, Conn. *See adv index at end of book*

5882— Handles (Wire Drop)

American Spiral Spring & Mfg. Co., 5600 Harrison st, Pittsburgh, Pa. *See adv index at end of book*
Austin & Smith Co., 164 Brewery, New Haven, Conn. *See adv index at end of book*
Beehler Steel Products Co., 1449 N. 13th, St. Louis, Mo. *See adv index at end of book*
Clark W. J. Co., Salem, O.
Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, O. *See adv index at end of book*
New Standard Hardware Works, Mt. Joy, Pa.
Portland Basket & Handle Co., 1321 MacAdam, Portland, Ore.
Stover Mfg. & Engine Co. (For Stoves etc), Freeport, Ill.
Titchener E. H. & Co., 136 Walnut, Binghamton, N. Y.

5883— Handles (Wood)

ALABAMA.

SHORTLEAF—Wittel E. S. & Son

ARKANSAS.

CALDWELL—Campbell J. M.
DERMOTT—Burleigh R. & Sons
FORT SMITH—Fort Smith Handle Co
HOPE—Ivory Handle Co. (Hickory)
JONESBORO — American Handle Co. (Hickory)
Jonesboro Handle Co. (Farm Tool, Ash)
LUXORA—Smith J. W. (Ash, Scythe), Dept. H
MARKED TREE—Turner T. J.
PARAGOULD—Hickson-Rogers Mfg. Co.

CONNECTICUT.

CLINTON—Kelsey Horatio (Axe, Pick, Small Tools, etc)
EASTFORD — Keith J. M. & Co. (File, Chisel, etc)
Tatem J. M. Handle Co. (Pick & Sledge)
MADISON—Whedon Webster D.
PEQUABUCK — Allen Chas. I. (File, Chisel, Screw-Driver), etc)
PINE MEADOW — Chapin-Stephens Co. (Plane, Saw, Chisel & File)
PUTNAM—Tatem J. B. & Son (Chisel, Lawn Mower, Leather Capped)
SALISBURY — Salisbury Cutlery Handle Co. (Cutlery)
SEYMOUR—Swan Jas. Co. (Auger, Bit, Chisel)
SOUTH WINDHAM — Windham Handle Co. (Oak, Hickory & Ash, Axe, Pick, Chisel, File, etc)
SOUTHINGTON—Peck, Stow & Wilcox Co.
Southington Mfg. Co.
TORRINGTON—Union Hardware Co.
WALLINGFORD—Ives W. A. Mfg. Co. (Auger)

DELAWARE.

WILMINGTON—Basic Mfg. Co.

GEORGIA.

ATLANTA — Atlanta Woodenware Co. (Axe, Broom, etc)
DARIEN—Altamaha Woodworking Co.
ROME—Towers & Sullivan Mfg. Co. (Plane)
SAVANNAH—Georgia Handle Co., Dept. H

ILLINOIS.

CAIRO—Clark-Danforth Handle Co. (Edge Tool, Hammer, etc)
CHICAGO—Borgeson C. E., 1775 Wilson av
Cassaday Fairbank Mfg. Co. (For Small Tools, etc), 6126 S La Salle
Fischer & Hayes Rope & Steel Co., 816 W. Erie *See adv index at end of book*
Slauf Mfg., 1820 S. La Salle
CHICAGO HEIGHTS—Hartwell Bros., Inc. (Pick & Sledge)
HARVEY—Hartwell Handle Co. ("Ajax," "Banner," "Eureka," "Eclipse," "Hawk," "Liberty," "Lincoln," "Star," "Wizard")

INDIANA.

ALTON—Peckinpaugh, Harrison & Co.
AUBURN—Auburn Handle Co.
COLUMBUS—Columbus Handle & Tool Co.
CORUNNA—Reynolds Bros.
CROTHERSVILLE—White Wood Products Co. (Broom), Dept. H
DECATUR—Lafontaine Handle Co.
FORT WAYNE—National Handle Co.
GREENCASTLE—Bittles Raser (D. Handles)
INDIANAPOLIS—Atkins E. C. & Co. (Cross Cut Saw), 402 S. Illinois
Udell Works (Brush, Duster, etc)
LEBANON—Wilcox Bros. Mfg. Co.
LOGANSPORT—Hillock & Pitman Co. (All Kinds)
MARION—Marion Handle & Mfg. Co.
MOORES HILL—Bigney Marion E.
MUNCIE—Griffith G. V. & Son
NEWCASTLE—Bond W. C. (D. Handles)
Jennings S. P. & Sons
NEW HAVEN—Schnitker & Sons Co.
Sperry Mfg. Co.
SOUTH BEND—South Bend Dowel Co. *See adv index at end of book*
Stevenson Mfg. Co. *See adv index at end of book*
TERRE HAUTE—Terre Haute Handle Co. (Shovel, etc)
VINCENNES—Indiana Handle Co.

IOWA.

OTTUMWA—Lindsay Mfg. Co.

KENTUCKY.

LOUISVILLE—Turner, Day & Woolworth Handle Co. (Axe, Pick, Sledge, Hammer, Hatchet & Mining Tool)
NEW HAVEN—Greenwell N. Lumber Co.
RED LICK—Cummins & Co.

LOUISIANA.

ALEXANDRIA—Alexandria Oar & Handle Co., Dept. H

MAINE.

DIXFIELD—Stowell N. S. & Co. (Small Tools, etc)
ELLSWORTH—Ellsworth Hardwood Co.
FREEDOM—Freedom Lumber Co.
HIRAM—Cotton Lemuel & Son (Axe, etc)
KINGFIELD—Wing Spool & Bobbin Co.
LEWISTON—Lewiston Handle Co. (Shovel, Spade, etc)
NORWAY—Novelty Turning Co. (Knife, File, Small Tool, Lather & Stencil Brush, etc)
ROXBURY—Swain & Reed
STRATTON—Stratton Mfg. Co. (Turned Wood)
WEST PARIS—Mann Lewis M. & Son

MARYLAND.

BALTIMORE—Dittmar John & Sons, 300 E Pratt

MASSACHUSETTS.

BOSTON—Ames Shovel & Tool Co., Ames bldg
North American Handle Co. (Hickory Axe, Pick, Sledge & Hammer) 174 Portland
STILES H. A. & CO. (Hickory, Ash, Ebony, etc.), 166-174 Portland, Boston, Mass. *See adv index at end of book*
CAMBRIDGE—Standard Turning Works
CHARLEMONT—Frary Mfg. Co.
FITCHBURG—Cushing S. G. & Son, 29 Newton pl
Fitchburg Enamel Co.
Mossman Jerome (Est. of)
GREENFIELD—Rugg Mfg. Co. (Rake Ash, Hoe & Hardwood, Broom, Brush, Mop, etc.)
HAVERHILL—Nashua Spool & Bobbin Co. (All Kinds & Sizes), Haverhill National Bank bldg
LEOMINSTER—Sun Enamel Works
PLAINFIELD—Willcutt G. L.
WATSON—Thayer Geo. A. (Mechanical Tool Handles, Gauge Cocks & Radiator Valve Handles)

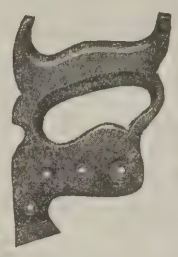


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WEST MILLBURY—Glover H. W.

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ALBA—Jones B. E. Mfg. Co. (Broom, etc) Nichols A. W.
BELLAIRE—Richardi & Bechtold
COLDWATER—Hellenberg J. B. Co. (Mallet, Rammer, etc)
DETROIT—Detroit Wood Products Co., 4332 Horatio
ESCANABA—Escanaba Mfg. Co. (Broom Mop)
EVART—Davy & Co.
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LUCAS—Kelly D. B.
LUDINGTON—**Handy Things Mfg. Co.** (Brush Duster, Small Tool, etc)
LYONS—Lyons Handle & Furniture Co.
NADEAU—Nadeau Bros.
NEWAYGO—Rowe Henry Mfg. Co. (Turned)
ONAWAY—Lobdell **Emery Mfg. Co.** (Broom Handles)
OWOSSO—Zimmerman J. N. (Hickory)
VANDERBILT—Olds & Hixson (Brooms)

MINNESOTA.

MINNEAPOLIS—Curtis-Yale-Howard Co. (Carpet Beater, Egg Beater, etc), **1805 S E 5th**

MISSISSIPPI.

MATHISTON—Buckingham W. J. & Son
MERIDIAN—Whitaker Bros. Co.
SARDIS—Carrier Lbr. & Mfg. Co.

MISSOURI.

DES ARC—Des Arc Handle Co.
DEXTER—I. X. L. Handle Mfg. Co. (Pick & Sledge)
HUNTSVILLE—Huntsville Handle Mfg. Co.
JACKSON—La Pierre-Sawyer Handle Co.
MALDEN—U. S. Cooperage Co.
MOREHOUSE — Himmelberger-Harrison Lumber Co. (Mop, etc)
POPLAR BLUFF—Hanna & Young Handle Co.
Poplar Bluff Handle Works
PUXICO—Fulkerson Bros. Handle Co.
ST. LOUIS—Cupples Samuel Woodenware Co. (Hickory), 7th & Spruce
Keller & Tamm Mfg. Co. (Axe, etc), Victor & Levee
St. Louis Broom Supply Co., 206H N 1st
Zelnicker Walter A. Supply Co. ("Zelnicker" Dealer), 325 Locust
WYACONDA—Morgan Mfg. Co. (Axe, Pick, Sledge, Maul, Hammer, Hatchet, etc)

NEBRASKA.

LINCOLN—Lee Broom & Duster Co. (Broom, Duster, etc.)

NEW HAMPSHIRE.

KEENE—Burdett Chair & Handle Mfg. Co.
Pierce F. B. Co. (Brush)
NEW DURHAM—Allen Mfg. Co. (Wood Turning & Enameling Div.) **(Brush Enameled & Plain, etc.)**
NORTH WEARE—Flanders Hardware Co.
RUMNEY—Keniston Geo. D. & Son

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DUNELLEN—Ransome Concrete Machinery Co.
NEWARK—Kohaut John C, 117 Green
Sommer John Faucet Co., 30 Morris
SINGAC—Sanderson Robt. (Brush)

NEW YORK.

ADDISON—Harrison Jas. S. & Co.
AMSTERDAM—American Broom & Brush Co. (Broom)
Amsterdam Broom Co. (Broom & Mop)
AUBURN—Cady Mfg. Co.
BLEEKER—Ellis & Smith (Broom)
Peters' John M. Sons
BUFFALO—Jackson & Tindle (Broom), Jackson bldg
FRANKFORT—Union Handle Co.
HANCOCK—Fish G. R.
Williams H. A. (Est. of)
NEW YORK—American Woodworking Co., 106 Reade
ANCHOR SAW MILLS CO. (Broom & Fork), 434 Washington
Bogert & Hopper (All Kinds of Small), 57 Barclay
See adv index at end of book
ESTES E. B. & SONS (All Kinds & Sizes for Every Purpose), **364 5th** av. *See adv index at end of book*
Hartwell Bros., Inc. (Hickory), 68 Thomas
N. Y. Mallet & Handle Works, **743** E 11th
Newton & Thompson Mfg. Co., **200 5th** av
PETERSON F. W. CO., 113 Greene
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Schutz Bros., Inc. (All Kinds), **152** Chambers
Standard Handle Co., 75 Barclay
United Handle Mills ("Monarch"), (Hickory & Ash), 17 Battery pl
WELLSVILLE—American Novelty Works (Brush, Fan & Fly Swatter)
Worth H. P. & Co., 180 West

NORTH CAROLINA.

CONOVER—Hickory Handle & Mfg. Co.

OHIO.

AKRON—Baker, McMillen Co. (Screw Driver, File, Duster, Small Tool)
ALLIANCE—Buckeye Handle, Gear & Bending Co.
BELLEVUE—Ohio Cultivator Co.
BROADWAY—Goff W. H.
BUTLER—Richland Handle Co.
CANFIELD—Canfield Mfg. & Novelty Co.
CLEVELAND—American Fork & Hoe Co. (Fork, Rake, Hoe, Shovel, Spade, etc), Swetland bldg
Osborn Mfg. Co. (For Push Brooms), 5401 E Hamilton av
COLUMBIANA—Columbiana Mfg. Co.
COLUMBUS—Union Fork & Hoe Co. (Hoe, Rake, etc.)
DELPHOS—Schaffer J. C.
EATON—Hiestand & Co.
EDON—Sheline E. R. & Son
FINDLAY—National Handle Co.
GALION—Galion Handle & Mfg. Co.
GENEVA—Smith J. B. (Tool)
HICKSVILLE—Crook Son & Co.
Hicksville Handle Co.
Miller Mfg. Co.
LIMA—Selfridge O. B. Co.
MARYSVILLE—Lentz' C. F. Sons
MONROEVILLE—Yingling Bros. & Co.
NAPOLEON—Napoleon Lumber & Handle Co.
NORWALK—Gallup Ruffing Handle Co. (Special, File, Sad Iron, Valve, etc.)
McCRILLIS HANDLE CO. (THE), (Axe, Pick, Sledge, Hammer, Hatchet for Railroads, Lumbermen & Mechanics)
PIQUA—Piqua Handle & Mfg. Co. (Rake, Fork, Hoe, Chisel, File, Auger, Screw Driver, etc), P. O. Box 307
U. S. Handle Co.
ST. MARYS—Crane & MacMahon, Inc.
SIDNEY—Benjamin C. W.
SPENCERVILLE—Reynolds, W. A. Lumber Co.
SPRINGFIELD—Bryant Mfg. Co.
VALLEY CITY—Wood Frank V.
WAPAKONETA—Standard Churn Co. (Rake, Hoe & Broom), Dept. H
WASHINGTON COURT HOUSE—Washington Mfg. Co.

OREGON.

EUGENE—Eugene Handle Co. ("Willakenzie")
PORTLAND—Portland Basket & Handle Co.
Western Oregon Handle Co., 933 Sandy blvd
Zan Bros., Inc., 691 York

PENNSYLVANIA.

BEDFORD—McLaughlin J. L. & Sons (Axe)
BETHLEHEM—Strock L. W. & Co. (Chisel, Hammer, Hatchet, Axe, Pick, Sledge, File, Eyeless Pick, etc)
CODORUS—Codorus Mfg. Co.
CORRY—Mahle C. A. & Son (Ltd.) (For Small Tools)
CORYDON—Keystone Handle Co.
ELDRED—Prouty C. & Co. (Cross-Cut, Cant Hook, etc)
ELKLAND—Sheldon H. Mfg. Co. (Fan & Fly Swatter)
GIRARD—Ely Theo. J. Co.
HOWARD—Howard Handle & Spoke Co.
KANE—Holgate Bros. Co. (Brush)
KINZUA—Sheldon Handle Co.
LAKE COMO—Williams H. A.
NORRISTOWN—Brusher J. B. (Axe, Pick, Sledge, Hammer & Hatchet)
PASSER—Hottel Benjamin K.
PHILADELPHIA—Weber Chas. Estate, 2120 E York
PICTURE ROCKS—Handle & Excelsior Co.
QUAKERTOWN—Landis S. H. & Bro.
READING—Reading Wood Pulley Co.
TITUSVILLE — Clark Haniel & Son (Shovel)
Titusville Handle Co. (Axe, Pick, Sledge Hammer, Hatchet & Cant Hook)
WARREN — Peterson Samual (Ash & Hickory, Axe, Pick, Sledge, Mining, etc

RHODE ISLAND.

PROVIDENCE—American Enamel Co.
Narragansett Machine Co.

TENNESSEE.

BAXTER—Isbell J. A.
CHATTANOOGA — American Mfg. Co. ("D"), Chestnut & Water
COOKEVILLE—Gregory T. J. Handle Works
DICKSON—Leathers A. H. Handle Co.
ERIN—Goodwin L. P. (Axe, etc)
HARRIMAN—Harriman Mfg. Co.
JACKSON—Haskew S. T. & Co. ("Haskew" Broom & Mop), Dept. H
JOHNSON CITY—Harris Mfg. Co. (Plow)
LAWRENCEBURG—Wylie A. P. Mfg. Co.
McMINNVILLE — Burroughs-Ross-Colville Co.
MANCHESTER—Manchester Mfg. Co.
MEMPHIS—Bayless Mfg. Co. (Hickory, Ash, Gum, Oak), 440 N. Main
Hartwell Bros., Inc. (Hickory, Axe, Pick, Sledge & Hammer)
Willingham E. G. (Hickory), Moorhead av
NASHVILLE—Turner, Day & Woolworth Handle Co. (Axe, Pick, Sledge & Mining Tool Handles), 1404 Adams
SEQUATCHIE—Sequatchie Handle Works
TULLAHOMA—Campbell M. R.

VERMONT.

BELLOWS FALLS—Derby & Ball (Fork, Scythe, Snaths, etc)
BURLINGTON—Vermont Shade Roller Co. (Mop)
EAST BARNET—Roy Bros.
WEST ARLINGTON—Williams & Hurd

VIRGINIA.

COLUMBIA—Baker H. P. & Co.
FARMVILLE—Farmville Mfg. Co. (Plow)
FRONT ROYAL—Stossel Carl Sons & Co.
JETERSVILLE—Warriner R. B.
MARION—Look & Lincoln (Plow)
RICHMOND—Brinser E. C. Sons

WASHINGTON.

TACOMA — Washington **Handle Co.** (Broom), Dept. H

WEST VIRGINIA.

CHARLESTON—Kelly Handle Co. (Axe)

WISCONSIN.

CAMERON—Oak Grove Handle Co.
GLIDDEN—Northern Wood Products Co. (Broom), Dept. H
MERRILL—Hieb Box Mfg. Co.
WAUSAU—Curtis & Yale Co. (Carpet Beater, Egg Beater, etc)

5883a— Handles (Wrench)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5884—Handles & Rollers (Lawn Mower)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
See adv index at end of book
ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

5885—Hands (Clock & Watch)

Stimpson Edwin B. Co. (also Arrows), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Waterbury Button Corporation, 831 So. Main, Waterbury, Conn.
See adv index at end of book
Winn's J. H. Sons (Dial Hands up to five-inch length), Winchester, Mass.

5885a—*Hands (Meter, Indicator, Toy, etc.)

Stimpson Edwin B. Co. (also Arrows), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book

5886— Handspikes

American Logging Tool Co., Evart, Mich.
Ransome Concrete Machinery (Wood Handle), Dunellen, N. J.

5886a—*Handtraps (for Throwing Clay Targets)

DU PONT DE NEMOURS & CO. (E. I.), Wilmington, Del.
For branch offices see adv index at end of book

5886b—Hangars (Aeroplane)

American Bridge Co., 30 Church, New York
Anchor Corrugating Const. Co., 145 W. 41st, New York
Ashley Steel Bldg. Co. Inc. (Portable), 1270 B'way, New York
Austin Co., 14230 Euclid av, Cleveland, O.
Barney John M., 250 W 108th, New York
Hennix-Luebbert Mfg. Co., 326 Howard, San Francisco, Cal.
Howell, Field & Goddard, Inc., Review av, Long Island City, N. Y.
Keasby & Mattison, Ambler, Pa.
Pruden C. D. Co., Dock & Warner, Baltimore, Md.
Va. Bridge & Iron Co., Roanoke, Va.

5886c— Hangers (Arc Lamp)

Hubbard & Co., Pittsburgh, Pa.

5887-8—Hangers (Building Bracket)

King Mfg. Co., Dept. H, St. Joseph, Mo.
Wagner Mfg. Co., Cedar Falls, Ia.

5888—Hangers (Calendar, Thermometer, etc.)

See also Hangers, Electric Cable

Joslyn Mfg. & Supply Co., Chamber of Commerce bldg., Chicago, Ill.
Minerallac Electric Co. ("Minerallac"), 1045 Washington blvd, Chicago, Ill.
ROEBLING'S JOHN A. SONS CO., Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book
STIMPSON, EDWIN B. CO., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book

5888a— Hangers (Catenary)

Hubbard & Co., Pittsburgh, Pa.

5889— Hangers (Concrete)

Duplex Hanger Co. ("Duplex"), E 53d & Lakeside av, Cleveland, O.
Flagg Stanley G. & Co. (Mall. Iron), 1421 Chestnut, Philadelphia, Pa.
Hill Clutch Co. (Machine & Foundry), W. 65th, Cleveland, O.
Metropolitan Device Corp., 1350 Atlantic av, Brooklyn, N. Y.
Mulvey Iron Works (Block Joist), 1840 Carroll av, Chicago, Ill.
Perkins Appliance Co., 4 Berne, Springfield, Mass.

5890—Hangers (Conductor Pipe)

See also Hangers, Eave Trough

Iwan Bros. (Wire), South Bend, Ind.
Klauer Mfg. Co., Dubuque, Ia.
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
Milwaukee Corrugating Co., Milwaukee, Wis.
Ohio Corrugating Co., Warren, O.
Reeves Mfg. Co., Dover, O.
Whitaker-Glessner Co. (Wheeling Corrugating Dept.), Wheeling, W. Va.

5891— Hangers (Conduit)

Appleton Elec. Co., Wellington & Paulina, Chicago, Ill.
Bissell F. Co. ("Security"), Toledo, Ohio
Chicago Expansion Bolt Co. ("Chicago"), 5 S Clinton, Chicago, Ill.
Columbia Metal Box Co., 226 E 14th, New York
Condit Electrical Mfg. Co. ("Shawmut"), 842 Summer, Boston, Mass.
Expanded Metal Safety Guard Co., Fourteenth & Vernon av, Long Island City, N. Y.
Fralick S. R. & Co. ("Kwikon"), 15 S Clinton, Chicago, Ill.
Free & Mason, 81 Beekman, New York
Grabler Mfg. Co., Cleveland, O.
Kales Stamping Co., 1630 W Lafayette blvd, Detroit, Mich.
See adv index at end of book
Lanz, M. & Sons, 2907 Carson, Pittsburgh, Pa.
Leahy, John J., 48 Dey, New York
Lovell F. H. & Co., Arlington, N. J.
Minerallac Electric Co. ("Minerallac"), 1045 Washington blvd, Chicago, Ill.
North Western Stamping Co., Burlington, Ia.
Pass & Seymour, Solvay, N. Y.
Thomas & Betts Co., 63 Vesey, New York
Wall P. Mfg. Supply Co., 705 Preble av, Pittsburgh, Pa.
Wrigley Thomas Co., 504 Sherman, Chicago, Ill.

5892-3— Hangers (Cut-Out)

Brady Elec. Mfg. Co., New Britain, Conn.
Cutter George Works of Westinghouse Elec. & Mfg. Co. ("Cutter"), South Bend, Ind.
Phila. Elec'l & Mfg. Co., 1236 N 31stst, Phila., Pa.
Thompson Electric Co. ("Thompson" Safety Automatically cuts out any Lamp in a Multiple Circuit, & lowers it), 226 St. Clair av, Cleveland, O.

Hangers (Door)

See Door Hangers.

5894—Hangers (Eave-Trough)

American Rolling Mill Co., Middletown, O.
Badger Steel Roofing & Corrugating Co., La Crosse, Wis.
Bell J. W. Co., Mercer, Pa.
Berger Bros. Co., 229 Arch, Phila., Pa.
Berger L. D. Co., 59 N 2d, Phila., Pa.
Berger Mfg. Co. (Steel & Wire), 1038 Beldan av, Canton, Ohio
Bostwick Steel Lath Co., Niles, O.
Cambridge Roofing Co., Cambridge, O.
Canton Art Metal Co., Canton, O.
Canton Cornice & Skylight Co. ("Batdorff's"), 428 Cherry av, L. A., Canton, O.
Clark-Smith Hardware Co. ("Peoria"), Peoria, Ill.
Delphos Mfg. Co., 1st & Pierce, Delphos, O.
Dowman-Dozier Mfg. Co., Atlanta, Ga.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
Eller Mfg. Co., 1200 Conden av S W, Canton, O.
Eureka Fence Mfg. Co. ("Richmond" Adjustable), Richmond, Ind.
Excelsior Steel Furnace Co., 118 S Clinton, Chicago, Ill.
Friedley-Voshardt Co., 733 S Halsted, Chicago, Ill.
Harman Eave Trough Hanger Co., New Philadelphia, O.
Heartley Machine, Variety Iron & Tool Works, 900 Summit, Toledo, O.
Hudson Mfg. Co., 324 3rd av N, Minneapolis, Minn.
Joliet Mfg. Co., Joliet, Ill.
Klauer Mfg. Co., Dubuque, Ia.
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
Messenger & Parks Mfg. Co., Aurora, Ill.
Milwaukee Corrugating Co., Milwaukee, Wis.
Ohio Corrugating Co., Warren, O.
Porter Iron Roofing & Corrugating Co., 522 Culvert, Cincinnati, O.
Reeves Mfg. Co. ("Dover" Wire), Dover, O.
Schoedinger, F. O., 346 Mt. Vernon av, Columbus, O.
Scott Roofing & Mfg. Co., 408 Culvert, Cincinnati, O.
Tiffin Art Metal Co., 20 Broad, Tiffin, O.
Washburn Co. (Andrews Division), Preston, Rockford, Ill.
Wheeling Corrugating Co., Wheeling, W. Va.
Wusterbarth Bros., Meriden, Conn.

5895—Hangers (Electric Cable)

Allen Iron & Steel Co., 3d & Venango, Phila., Pa.
Anderson Albert & J. M. Mfg. Co. (Feed Wire Insulators), 289 A, Boston, Mass.
Anderson Forge & Machine Co. (Manhole Cable), Detroit, Mich.
Anderson W. H. Tool & Supply Co. (For Manholes), 184 Brush, Detroit, Mich.
Baughn Electric Co., Hopkinsville, Ky.
Bissell F. Co., Toledo, O.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Bonita Mfg. Co., Hancock & Columbia, Phila., Pa.
Bourne Fuller Co., Hanna bldg., Cleveland, O.
Cameron Appliance Co. ("Cameron"), Everett, Mass.
Chase-Shawmut Co. (Telephone), Newburyport, Mass.
Condit Electrical Mfg. Co. ("Boston"), 1st & L, Boston, Mass.
Cook Frank B. Co., 2700 Southport, Chicago, Ill.
DIAMOND EXPANSION BOLT CO. ("Long-Saut"), 89 West, New York
See adv index at end of book
Electric Service Supplies Co., 17th & Cambria, Phila., Pa.
Eureka Supply Co., Sewell, N. J.
Fletcher Mfg. Co. (Iron Insulated, etc), Dayton, O.
Hallett Iron Works, Harvey, Ill.
Harvard Elec. Co., 525 Van Buren, Chicago, Ill.
Hubbard & Co., 63d & Butler, Pittsburgh, Pa.
Joslyn Mfg. & Supply Co., Chamber of Commerce bldg., Chicago, Ill.
Lanz H. Bolt C., 2907H Carson, Pittsburgh, Pa.
Lingle Mfg. Co., Clinton, Mo.
Metropolitan Engineering Co., 1250 Atlantic av, Brooklyn, N. Y.
Minerallac Electric Co., 1045 Washington blvd, Chicago, Ill.
National Telephone Supply Co. ("Universal"), 5100 Superior av, Cleveland, O.
Norton W. T., West Park, O.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pettingell-Andrews Co. ("O'Neill"), 166 Pearl, Boston, Mass.
Rhode Island Telephone & Electric Co. ("Wright"), 55 Pine, Providence, R. I.
Standard Underground Cable Co. ("Nordyke"), 17th & Pike, Pittsburgh, Pa.
Steel City Elec. Co., 1207 Columbus av, Pittsburgh, Pa.
Tichener-Diehl Co. (Wire & Rope Clamps), 1844-48 W. Austin av, Chicago, Ill.
U. S. Expansion Bolt Co., 139-141 Franklin, New York
Wrigley Thos. Co., 504 Sherman, Chicago, Ill.

5895a—Hangers (Fixture and Box)

Austin M. B. & Co. (Sole Selling Agts., Economy Elec. Specty. Co.), 706 Jackson blvd, Chicago, Ill.
Chesapeake Electric Co. ("Graywyn" Fixture Hangers), 38 S Calvert, Baltimore, Md.
Cutter Geo. Co., 415 Notre Dame, So Bend, Ind.
Fee & Mason, 81 Beekman, New York
Harter Mfg. Co., 522 S Clinton, Chicago, Ill.
Harvard Elec. Co., 525 W Van Buren, Chicago, Ill.
Inland Elec. Co., 16 N Franklin, Chicago, Ill.
Mansfield Electric Hardware Co. (Switch Box), Mansfield, Ohio
Overbagh Cameron, 224 W Illinois, Chicago, Ill.
PAINE CO. (THE), 2951 Carroll av, Chicago, Ill.
Swett A. L. Iron Works, Medina, N. Y.
White J. H. Mfg. Co., 111 N. 3rd, Brooklyn, N. Y.
Williamson R. & Co., 601 W. Washington, Chicago, Ill.
Wood's T. B. Sons Co., Chambersburg, Pa.

5895b—Hangers (Garage Door)

Allith Prouty Co., Danville, Ill.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.
Hune, Helen, Ferris & Co., Harvard, Ill.
Lane Bros. Co., Poughkeepsie, N. Y.
Louden Machy. Co., Fairfield, Ia.
McCABE HANGER MFG. CO., 426-8 W. 25th, New York
McKinney Mfg. Co., Locust, Phila., Pa.
Myers F. E. & Bro., 950 Orange, Ashland, Ohio
See adv index at end of book
National Brass Co., Grand Rapids, Mich.
Richards Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book
Stanley Works, New Britain, Conn.
See adv index at end of book
Swett A. L. Iron Works, Medina, N. Y.

5896— Hangers (Garment)

American Mfg. Concern (Adv.), Falconer, N. Y.
Andrews Wire & Iron Works ("Androck" "Ideal," Trousers, Garment, etc.), Rockford, Ill.
Automatic Wire Goods Mfg. Co. (Folding & All Kinds of Wire), 386 Canal pl, New York
Belmar Mfg. Co., Canton, Pa.
Beverly Coat Hanger Co., 130 Oak, San Francisco, Cal.
Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
See adv index at end of book
Brager Bros. (Combination Wood & Wire), 22 W. 24th st, New York
Brooks M. S. & Sons (Folding Coat), Chester, Conn.

Caldwell Mfg. Co., ("Up-to-Date"), Rochester, N. Y.
Canham Victor H. & Co., 85 Forest av, Buffalo, N. Y.
Cassady Fairbank Mfg. Co. (Skirt, Trousers, Coat, etc., "Ruby," "Euclid," "Columbia," "Mathews," "Ely," "Jerrems"), 6126 S La Salle, Chicago, Ill.
Chicago Form Co., 411 So. Wells, Chicago, Ill.
Dawson J. R. Mfg. Co., 168 W. Master, Phila., Pa.
Dean & Williams Co. ("Black Diamond" Combination), 4317 Elston av, Chicago, Ill.
Eclipse Co. (Wooden), N Girard, Pa.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Forsyth Metal Goods Co., E. Aurora, N. Y.
Gibbs Walter S., E 38th & Ross, Los Angeles, Cal.
Greenwald Display Fixture Co., 797 Broadway, New York
Hamblin & Russell Mfg. Co., Worcester, Mass.
Hampden Toy Co. ("Paragon De Luxe"), Westfield, Mass.
Heitler, Kurt, 221 4th av, New York
Hincher Mfg. Co. ("Peerless"), Washington, Ind.
Jencks E. Mfg. Co. (Coat, Trousers, Folding, etc), Worcester, Mass.
Jenkinson R. C. & Co. (Wire Coat, etc), 293 Washington, Newark, N. J.
Knape & Vogt Mfg. Co., Grand Rapids, Mich.
Keonig D. B. & Co., Hazelton, Pa.
National Hanger & Fixture Mfg. Co. ("Faultless"), 554 Broome, New York
Pacific Coat Hanger Mfg. Co., 513 E Pico, Los Angeles, Cal.
Parker Wire Goods Co. (Wire), Worcester, Mass.
Parkesburg Stamping & Mfg. Co. (Wire), Parkesburg, Pa.
Pratt Wm. E. Mfg. Co. ("Perfect"), 35 W Lake, Chicago, Ill.
Queen Mfg. Co. ("Queen"), 1647 N. Winchester, Chicago, Ill.
Racine Iron & Wire Works (Coat), Racine, Wis.
Rocky Hill Hardware Co. ("Leader," "Delespo," "Duplex"), Rocky Hill, Conn.
Sachnoff G. & Co. (Wire), 182 Av C, New York
Standard Fibre Co. (Fibre Coat Hangers), Miller st, Somerville, Mass.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Taplin Mfg. Co. ("Victor" Folding), New Britain, Conn.
Taylor Mfg. Co. ("Taylor," All Kinds), Princeton, Ind.
Thurman Mfg. Co., Madera, Cal.
Timberlake J. B. & Sons (Wire), Jackson, Mich.
Troy Wire Goods Co., Troy, N. Y.
U. S. Lock & Hardware Co., Columbia, Pa.
Washburn Co. (Wire Goods Div.), 28 Union, Worcester, Mass.
West Electric Hair Curler Co. ("Elco"), Hancock & Columbia, Phila., Pa.
West Lafayette Mfg. Co. (Coat), West Lafayette, O.
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*
Wire Hardware Co., 6126 S La Salle, Chicago, Ill.
Wisconsin Textile Mfg. Co., Two Rivers, Wis.
Woods-Sherwood Co. (Wire), 28 Union, Worcester, Mass.

5896a— Hangers (Gate)

Lanz, M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
McCabe Hanger Mfg. Co., 426-8 W. 25th, New York
Myers F. E. & Bro., 950 Orange, Ashland, Ohio
See adv index at end of book

5897— Hangers (Harness)

Berry Chas. E. ("Berry" for Swing Harness for Fire Dep'ts, etc.), Somerville, Mass
Imperial Bit & Snap Co. ("Imperial") Racine, Wis

5898—Hangers (Hinge & Rail)

Grabler Mfg. Co. (Forged, etc.), Cleveland, O.
Myers F. E. & Bro., 950 Orange, Ashland, Ohio
See adv index at end of book
Safety Door Hanger Co., Ashland, O.

5899— Hangers (Joist)

Bacon & Matheson Forge Co., 17H W Lander, Seattle, Wash.
Bethlehem Steel Co., So. Bethlehem, Pa.
Bragstad Concrete Mach'y Co., Inc., Canton, S. Dak.
Chesapeake Iron Works, Westport, Baltimore, Md.
Chicago Builders' Specialties Co., 11 S La Salle, Chicago, Ill.
Columbian Hardware Co. ("Cleveland," "Buckeye"), Cleveland, O.
Crown Iron Wks. Co., 1339 Tyler, Minneapolis, Minn.
Decatur Cornice & Roofing Co., New Decatur, Ala.
Duplex Hanger Co. ("Duplex"), E 53d & Lakeside av, Cleveland, O.
Ernst C K, Buffalo, N. Y.
Ernst's Chas. F. Sons (Steel), 75 Lathrop, Buffalo, N. Y.
Goetz Box Anchor Co., New Albany, Ind.
Hastings Foundry & Iron Works, Hastings, Neb.
Heughes F. L. & Co. ("Heughes"), Rochester, N. Y.
Ideal Hanger Co., Cleveland, O.
Kansas City Bolt & Nut Co., Sheffield Station, Kansas City, Mo.
Lane Bros. Co. (Steel), Poughkeepsie, N. Y.
Lanz, M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
Londelius C. A. & Sons Co., 847 W 63d, Chicago, Ill.
Meyers Fred J. Mfg. Co., Hamilton, O.
Michel & Pfeffer Iron Works, 1417 Harrison, San Francisco, Cal.
Mullins Body Corp., Dept. H, Salem, Ohio
Mulvey Chas. Iron Works, 1840 Carroll av, Chicago, Ill.
National Iron & Wire Co. (Steel), Cleveland, O.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Philips A. A. Jr, 2319 Pitkin av, Brooklyn, N. Y.
Republic Structural Iron Works Co., 1350 E 53d, Cleveland, O.
Rieseck Iron Works (Wrought Steel), 1201 Metropolitan, Pittsburgh, Pa.
St. Louis Wire & Iron Co., St. Louis, Mo.
Smith A. L. Iron Works, Chelsea, Mass.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Truscon Steel Co. (Kahn System), Youngstown, O.
Van Dorn Iron Works Co. (The), 2700 E. 79th, Cleveland, O.
See adv index at end of book.
Western Builders' Supply Co. (Steel), 135 2nd, San Francisco, Cal.
Western Iron & Foundry Co., Wichita, Kans.
Wrobbel-Maine Co. (The), 3106 E 63rd, Cleveland, O.

5900—Hangers (Messenger)

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Joslyn Mfg. & Supply Co., Chamber of Commerce bldg, Chicago, Ill.

5901— Hangers (Mine)

Electric Railway Equipment Co. ("Black Diamond"), Cincinnati, O.
Electric Service Supplies Co. ("Keystone"), 17th & Cambria, Phila., Pa.
Ohio Brass Co. (& Insulated Trolley), Mansfield, O.

Hangers (Picture)

See Hooks, Picture

5902— Hangers (Pipe)

Acme Mfg. Co. ("Acme," Brass), Bangor, Me.
Barrett Jas. Mfg. Co. (Brass), 117 Pearl, Boston, Mass.
Beaton & Cadwell Mfg. Co. ("Perfection," "Jumbo," Malleable Iron, Steel and Galvanized Band), New Britain, Conn.
Beaton & Corbin Mfg. Co., Southington, Conn.
Berger Bros. Co., 329 Arch, Phila., Pa.
Billings D. L. & Co. ("Perfect"), 762 Dudley, Boston, Mass.
Blake Specialty Co., Rock Island, Ill.
Cann & Saul, 516 Commerce, Phila., Pa.
Carpenter L. A. Press Metal Co. ("O. U." "Vav"), Cambridge, Mass.
Chicago Expansion Bolt Co. ("Chicago"), 5 S Clinton, Chicago, Ill.
Collins Mfg. Co. (Malleable Iron & Hinged Steel Band), 203 Second av, Pittsburgh, Pa.
Crane Co., 836 S Michigan av, Chicago, Ill.
Crawford Co., 3220 W. 31st st, Chicago, Ill.
Cryer T. B. Co., 249 High, Newark, N. J.
Devlin Thos. Mfg. Co. ("Kane," "National"), 3d & Lehigh av, Phila., Pa.
Donovan D. A. ("Dad"), Auburn, N. Y.
Fee & Mason (Iron & Brass), ("A. B. C." "F. & M."), 31 Beekman, New York
Glenn Fred E. ("Expansion Ring"), St. Charles, Ill.
Grabler Mfg. Co. ("Grabler" Universal Extension, Split Ring, U., etc.), Cleveland, O.
Grinnell Co., Inc., ("Grinnell" Adjustable), 275 W. Exchange, Providence, R. I.
Harris Pump & Supply Co., 318 2d av, Pittsburgh, Pa.
See adv index at end of book
Haydenville Co., Haydenville, Mass.
Hoffmann B. Mfg. Co. (Expansion, etc), 257 6th, Milwaukee, Wis.
Hoopes & Townsend Co., Broad & Buttonwood, Phila, Pa.
Hughson Steam Spec. Co. ("Eclipse"), W 21st & S Racine, Chicago, Ill.
Illinois Engineering Co. ("Eclipse"), W 21st & S Racine av, Chicago, Ill.
Illinois Malleable Iron Co., 1801 Diversey blvd, Chicago, Ill.
See adv index at end of book
Jarecki Mfg. Co. ("Erie"), Erie, Pa.
Kelly & Jones Co. The, Greenburg, Pa.
See adv index at end of book
Kenway P. N., 248 Boylston, Boston, Mass.
Kreibel & Co., 822 Green, Phila., Pa.
Lane Ira G. Co. ("Away from the Wall"), 1077 3d av, New York
Lange August K., 606 E 15th, New York
Larkin, J. K. & Co., 253 Broadway, New York. *See adv index at end of book*
McCullom George (Malleable), Muskegon, Mich.
Modern Iron Works (Expansion or Ring Hooks, Quincy, Ill.
Nason Mfg. Co. (Jobbers), 71 Fulton, New York *See adv index at end of book*
National Supply Co., Toledo, O.
Neptune Hardware Mfg. Co., 80 Warren, New York
Newbury Jay H., Goshen, N. Y.
Newbury Mfg. Co. (Adjustable Expansion, etc), Monroe, N. Y.
Norman C. Erwin & Co. ("Cenco"), 18 W Kinzie, Chicago, Ill.
Nortmann-Duffke Co., 1283 27th av, Milwaukee, Wis.
See adv index at end of book
Paine Co. (The), 2951 Carroll av, Chicago, Ill.
Park & McKay, 55 Bagley av, Detroit, Mich.
Peck Bros. & Co., New Haven, Conn.
Penn. Engng. Co. (Ball Joint, Malleable Iron), 1119H N Howard, Phila., Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Robinson Mfg. Co., 8123 Buner, S E, Cleveland, O.
Rockwood Sprinkler Co. ("Worcester," "Rockwood" Pressed Steel Adjustable Clips), Worcester, Mass.
Rutzler Enoch Co. ("Universal"), 404 E 49th, New York
Safety Electric Products Co., 1543 Central av, Los Angeles, Cal.
St. Louis Hardware Mfg. Co., 1509 W. 18th, St. Louis, Mo.
Simmons, John Co. ("Diamond S" & Split), 110 Centre, New York
See adv index at end of book
Sproul & McGurrin Co. ("I. X. L."), Grand Rapids, Mich.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Street & Kent Mfg. Co., 1956 Clybourn, Chicago, Ill.
Twin City Steel Mfg. Co., 2652H 24th av S, Minneapolis, Minn.
U. S. EXPANSION BOLT CO., 139 Franklin, New York
Walworth Mfg. Co., Boston, Mass.
Webb F. W. Mfg. Co., 56 Elm, Boston, Mass.
Wise J. B., Inc., Watertown, N. Y.
Wolverine Brass Works, Grand Rapids, Mich.

5903— Hangers (Plate, Etc.)

Parker Wire Goods Co. (Sectional Wire), 149 Washington, Worcester, Mass.

5904—Hangers (Ring Oiling)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Tool & Machine Co., 10 High, Boston, Mass.
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Bond Foundry & Machine Co., Penn st, Manheim, Pa.
Brown A. & F. Co., 79 Barclay, New York.
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Caldwell W. E. Co., Louisville, Ky.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
CHICAGO PULLEY & SHAFTING CO., 29 N. Desplaines, Chicago, Ill.
Dodge Sales & Engineering Co., Mishawaka, Ind.
Eastwood Benj. Co., Paterson, N. J.
Golden's Foundry & Machine Co., Columbus, Ga.
Great Western Mfg. Co., Leavenworth, Kan.
Hanson Clutch & Machinery Co., Tiffin, O.
Hill Clutch Machine & Foundry Co. (and collar oiling), W. 65th st, Cleveland, O.
Hunt Rodney Mach. Co., Orange, Mass.
Jeffrey Mfg. Co., 961 N. 4th, Columbus, O.
See adv index at end of book
Jones W. A. Foundry & Machine Co., 4442 W. Roosevelt rd, Chicago, Ill.
See adv index at end of book
LINK-BELT COMPANY, 300 W. Pershing rd, Chicago, Ill.
See adv index at end of book
Los Angeles Valve & Fittings Co., 2741 Compton, Los Angeles, Cal.
Medart Company, The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
National Foundry Mfg. & Supply Co. ("National"), Williamsport, Pa.
Nordyke & Marmon Co., Kentucky & Morris ave, Indianapolis, Ind.
Reardon P. H., 57 First, San Francisco, Cal.
Salem Foundry & Machine Works, Salem, Va.
Slater & Williams, Inc., 301 Clay, Oakland, Cal.
Walker Mfg. Co., 2156 15th, Denver, Colo.

(Continued on following page)

Hangers (Ring Oiling)—Continued

Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Wood's T. B. Sons Co. ("B. & S."), Chambersburg, Pa.

5905— Hangers (Roller)

Bond Foundry & Machine Co., Penn st, Manheim, Pa.
Grabler Mfg. Co. (For Wrought Iron Pipe, etc), Cleveland, O.
Lane Bros. Co., Poughkeepsie, N. Y.

5906—Hangers (Roller & Ball Bearing)

Atlas Ball Co., N. American & Glenwood avs, Philadelphia, Pa.
Beaton & Cadwell Mfg. Co. Expansion for Overhead Circulation), New Britain, Conn.
Bond Foundry & Machine Co., Penn st, Manheim, Pa.
Harris & Reed, 1500 W 15th, Chicago, Ill.
Jones W. A. Foundry & Machine Co., 4442 W. Roosevelt rd, Chicago, Ill.
See adv index at end of book
Lane Bros. Co. ("Lane's" Barn Door), Poughkeepsie, N. Y.
Myers F. E. & Bro., 950 Orange, Ashland, Ohio
See adv index at end of book
Royersford Foundry & Machine Co. ("Sells"), Royersford, Pa.
Wood's T. B. Sons Co., Chambersburg, Pa.

5907— Hangers (Self-Oiling)

American Tool & Machine Co. ("American," "Boston" & "Giant"), 10 High Boston, Mass.
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Bond Foundry & Machine Co., Penn st, Manheim, Pa.
Brown A. & F. Co., 79 Barclay, New York.
Brown & Sharpe Mfg. Co., Providence, R. I.
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
CHICAGO PULLEY & SHAFTING CO., 29 N. Desplaines, Chicago, Ill.
Cresson-Morris Co., Allegheny & 18th, Phila, Pa.
Dodge Mfg. Corp., Mishawaka, Ind.
Eastwood Benj. Co., Paterson, N. J.
Falls Clutch & Machinery Co., Cuyahoga Falls, O.
Fay J. A. & Egan Co., Cincinnati, O.
Great Western Mfg. Co., Leavenworth, Kan.
Hanson Clutch & Machinery Co., Tiffin, O.
Hill Clutch Machine & Foundry Co. (and collar oiling), W 65th, Cleveland, O.
Hunt Rodney Mach. Co., Orange, Mass.
Jeffrey Mfg. Co., 961 N. 4th, Columbus, O.
See adv index at end of book
Jones W. A. Foundry & Machine Co., 4442 W. Roosevelt rd, Chicago, Ill.
See adv index at end of book
LINK-BELT COMPANY, 300 W. Pershing rd, Chicago, Ill.
See adv index at end of book
MEDART COMPANY THE, 3500 De Kalb, St. Louis, Mo.
See adv index at end of book
Nordyke & Marmon Co., Kentucky & Morris avs, Indianapolis, Ind.
Olney & Warren ("Howard"), 295 Lafayette, New York
Reardon P. H. (Collar Oiling), 57 First, San Francisco, Cal.
Royersford Foundry & Machine Co., Royersford, Pa.
Slater & Williams, Inc., 301 Clay, Oakland, Cal.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Walker Mfg. Co., 2156 15th, Denver, Colo.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Wood's T. B. Sons Co., Chambersburg, Pa.
Woonsocket Machine & Press Co., Woonsocket, R. I.

5908—Hangers (Shaft, Ball Bearing)

Bailey-Burruss Mfg. Co., Atlanta, Ga.
Bond Foundry & Machine Co., Penn st, Manheim, Pa.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
CHICAGO PULLEY & SHAFTING CO., 29 N. Desplaines, Chicago, Ill.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Dodge Steel Pulley Corp., Oneida, N. Y.
Dow, L. B., Keene, N. H.
FAFNIR BEARING CO., New Britain, Conn.
Hess Bright Mfg. Co. ("H. B.-D. W. F."), 165 B'way, New York
Hunt Rodney Mach. Co., Orange, Mass.
Jeffrey Mfg. Co., 961 N. 4th, Columbus, O.
See adv index at end of book
Jones W. A. Foundry & Machine Co., 4442 W. Roosevelt rd, Chicago, Ill.
See adv index at end of book
S. K. F. Ball Bearing Co. ("S. K. F." Self-Aligning), Hartford, Conn.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Wood's T. B. Sons Co., Chambersburg, Pa.

5908a—Hangers (Shaft, Post, Bracket, Etc.)

See Also Power Transmitting Machinery

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Atlas Ball Co. (Post), H, N. American & Glenwood, Philadelphia, Pa.
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Bond Foundry & Machine Co., Penn st, Manheim, Pa.
Boston Gear Works, Norfolk Downs, Quincy, Mass.
See adv index at end of book
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Chicago Pulley & Shafting Co., 29 N. Desplaines, Chicago, Ill.
FAFNIR BEARING CO. ("Fafnir"), New Britain, Conn.
Golden's Foundry & Machine Co., Columbus, Ga.
Hanson Clutch & Machinery Co., Tiffin, O.
Jeffrey Mfg. Co., 961 N. 4th, Columbus, O.
See adv index at end of book
JONES W. A. FOUNDRY & MACHINE CO., 4442 W. Roosevelt rd, Chicago, Ill.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Slater & Williams, Inc., 301 Clay, Oakland, Cal.
Stephens-Adamson Mfg. Co. ("S. A.") Aurora, Ill.
Wisconsin Fdry. & Mach. Co., Madison Wis.
Wood's T. B. Sons Co., Chambersburg, Pa.

5909—Hangers (Shaft, Pressed Steel)

Bond Foundry & Machine Co. ("Lytestrong"), Penn st, Manheim, Pa.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Standard Pressed Steel Co. ("Pioneer," "Hallowell," "Banton" also Countershaft), Jenkintown, Pa.

5910—Hangers (Step & Running Board)

Am. Tube & Stamping Co. (Automobile Pressed Steel), Dept. H, 421 Hancock, Bridgeport, Conn.
Bossert Corporation, The (Automobile & Motor Truck Steps), cor. Linden St & West av, Utica, N. Y.
Cleveland Hardware Co., Lakeside av & E 45th, Cleveland, O.
Columbus Bolt Works Co., Columbus, O.
Commercial Shearing & Stamping Co. (Automobile Pressed Steel), Youngstown, Ohio
Crandal Stone Div, The Brewer-Tichener Div, Binghamton, N. Y.
Crosby Co., 183 Pratt, Buffalo, N. Y.
Detroit Pressed Steel Co., 6660 Mt. Elliott, Detroit, Mich.
Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Niles Steel Products Co., Niles, Ohio
See adv index at end of book
Parish Mfg. Co., Reading, Pa.
Rochester Pressed Steel Co. (Pressed Steel for Autos), Rochester, N. Y.
Transue & Williams Steel Forging Corp., Alliance, Ohio
Youngstown Pressed Steel Co., Warren, O.
See adv index at end of book
Ziegler Mfg. Co., Alexandria, Ind.

5911—Hangers (Storm Sash & Screen)

Butter G. A. ("Daisy"), 603 Mitchell, Milwaukee, Wis.
Dennis W. J. & Co. ("E Z Way" "Greenfield"), 2120 W Lake, Chicago, Ill.
Fernald Mfg. Co., North East, Pa.
Frantz Mfg. Co., Sterling, Ill.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Kane Mfg. Co. (Brass), Kane, Pa.
Kees F. D. Mfg. Co. ("Kees-Gossett"), Beatrice, Neb.
Kieffer Bros., Syracuse, N. Y.
Lawrence Bros., Sterling, Ill.
Milwaukee Stamping Co., W. Allis, Milwaukee, Wis. *See adv index at end of book*
National Mfg. Co. (Automatic), Sterling, Ill.
Phenix Mfg. Co. ("Phenix"; also Fasteners), Milwaukee, Wis.
Porter J. E. Corp ("Porter"), 503 Guion, Ottawa, Ill.
Purcell Co. ("Purcell No. 1915"), 2109 Grand av, Kansas City, Mo.
Rock City Mfg. Co. ("Jiffy"), Wabash, Ind.
Sharon Hardware Mfg. Co. ("Sharon"), Sharon, Pa.
Stanley Works ("Schroeder's Peerless" Hanger & Fastener), New Britain, Conn.
Thompson Mfg. Co., 2468 E 8th, Los Angeles, Cal.
Wagner Mfg. Co. ("Wagner," for Screw & Storm Sash), Cedar Falls, Ia.
Woodruff W. W. & Sons Co. ("Dolbers"), Mt. Carmel, Conn.

5912—Hangers (Trolley Wire)

Anderson Albert & J. M. Mfg. Co. (Straight Line & Curve Suspension) 289 A, Boston, Mass.
Creaghead Engineering Co. ("Creaghead" Armored Cap-Cone), 340 Main, Cincinnati, O.
Drew Electric & Mfg. Co., Collamer av, Cleveland, O.
Electrical Railway Equipment Co. ("Universal"), Cincinnati, O.
Electrose Mfg. Co., 70 Washington, Brooklyn, N. Y.
Eureka Co., North East, Pa.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Globe Iron Roofing & Corrugating Co., Dept. H, Newport, Ky.
Ohio Brass Co., Mansfield, O.
Phila. Electrical & Mfg. Co. ("Pemco" Catenary), 1236 N 31st, Phila., Pa.
Westinghouse Electric & Mfg. Co. (Single & Double Catenary Construction), East Pittsburgh, Pa.
See adv index at end of book

5912a—Hangers (Window Screen)

STANLEY WORKS ("Schroeder's Peerless" Hanger & Fastener), New Britain, Conn. ***See adv index at end of book***

5913— Hanks (Jib)

Laughlin Thos. Co., 135 Fore, Portland, Me.
See adv index at end of book
Parker Wire Goods Co. (Wrought Iron), Worcester, Mass.

5914— Hard Oil Finish

Anglo-American Varnish Co., 53 Johnston, Newark, N. J.
Allentown Mfg. Co., Allentown, Pa.
Berry Bros., Detroit, Mich.
Blayz Paint & Varnish Co. ("Le-Do-Lac") Spencer, Toledo, Ohio
Bridgeport Wood Finishing Works (Du Pont), Phila., Pa.
Brooklyn Varnish Mfg. Co. ("K-a-u-r-i"), 35 Nostrand av, Brooklyn, N. Y.
Brooks Clarence & Co., 249 Chestnut, Newark, N. J.
Buckeye Paint & Varnish Co., Toledo, O.
Butcher Polish Co. ("Butcher's No. 3 Reviver"), 245 State st, Boston, Mass.
CHICAGO VARNISH CO., 2100 Elston av, Chicago, Ill.
Continental Varnish Co., 133 Ingraham, Brooklyn, N. Y.
Day, Jas. B. & Co., 224 W Superior, Chicago, Ill.
Devoe & Raynolds Co., Inc., 101 Fulton, New York
Felton, Sibley & Co., 136 N 4th, Phila, Pa.
Flood & Conklin Co., 132 Chestnut, Newark, N. J.
French Samuel H. & Co., 4th & Callowhill, Phila., Pa.
Gillespie Chas. H. & Sons, Dey, Jersey City, N. J.
Glidden Co., Madison av & Berea rd.
Grand Rapids Wood Finishing Co., Grand Rapids, Mich.
Hilo Varnish Corp., Marcy & Flushing avs, Brooklyn, N. Y.
Jamestown Wood Finishing Co., Jamestown, N. Y.
Macneal Jas B. & Co., Warner & Wooster, Baltimore, Md.
Murphy Varnish Co., 224 McWhorter, Newark, N. J.
O'Brien Varnish Co. (Light), South Bend, Ind.
Palmer-Price Co., 270 Chestnut, Newark, N. J.
Smith Edw. & Co., 127 West av, Long Island City, N. Y.
Standard Varnish Works (Gutta Percha), 90 West, New York
Unkefer Varnish Co., 1827 Le Claire av, Chicago, Ill.

5915—Hardeners (Concrete)

See also Hardener Flour

Aquabar Co. ("Aquabar"), Perry bldg, Philadelphia, Pa.
Ceresit Waterproofing Corp., 10 S. La Salle st, Chicago, Ill.
Concrete Hardening Company, Inc. ("Everlast"), 329 5th av, New York
Continental Products Co. (Floor), Quebec av, Cleveland, O.
Corrugated Bar Co., Mutual Life bldg, Buffalo, N. Y.
Djorup Sanitary Floor Co. Inc. ("Flint-O-Lite"), 133 Washington, Chicago, Ill.
GENERAL FIREPOOFING CO. (THE) (Floor), 2308 Logan av, Youngstown, O.
See adv index at end of book
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Klein Mfg. Co. ("Metalcrete"), H American Trust bldg, Cleveland, Ohio

Malmed A. T. & Co. ("Quickstone"), 1713 Sansom, Phila., Pa.
Master Builders Co. ("Saniseal" "Colorseal"), Union bldg, Cleveland, O.
Pittsburgh Crushed Steel Co. ("Resisto" Floor), Dept. H, 61st & A. V. R. R., Pittsburgh, Pa.
Rezilite Mfg. Co. ("Rezilite"), Peoples Gas bldg, Chicago, Ill.
Smooth-On Mfg. Co. (Cement), 572 Communipaw av, Jersey City, N. J.
Sonneborn L. Sons ("Lapidolith"), 114 5th av, New York
Special Service Flooring Corp., 2009 Grand Central Terminal, New York
Truscon Laboratories ("Agatex" Floor), Caniff & G. T. R. R., Detroit, Mich.
Vitrifyx Co., 2528 W. Congress, Chicago, Ill.
Waterhouse-Wilcox Co. ("Watco"), 523 Market, San Francisco, Cal

5915a— Hardeners (Floor)

Am. Chemical & Mfg. Co., 617 Monticello av, Norfolk, Va.
Antakwa Co. ("Liberty" Concrete), 1329 Mohawk, Chicago, Ill.
GENERAL FIREPROOFING CO. (THE), 2308 Logan av, Youngstown, O.
See adv index at end of book
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Malmed A. T. & Co. ("Quickstone"), 1713 Sansom, Phila., Pa.
Pittsburgh Crushed Steel Co. ("Resisto" "Concrete"), Dept. H, 61st & A. V. R. R., Pittsburgh, Pa.
Toch Bros., 320 5th av, New York
Truscon Laboratories ("Color Tex"), Caniff & G. T. R. R., Detroit, Mich.
Waterhouse-Wilcox. ("Watco"), 523 Market, San Francisco, Cal.

5916—*Hardening & Tempering

See Case Hardening; also Steel Hardening
Norris Noiseless Pedal Action Co., Stoughton, Mass.

5917— Hardies

Champion Tool Co. ("Champion" Farriers,' Round & Straight, also Blacksmiths'), Meadville, Pa.
Evansville Tool Works (Straight & Circular Cut), 701 N. Md., Carpenters Rhod, Evansville, Ind.
Heller Bros. Co. (Farriers), 379 Mt. Prospect av, Newark, N. J.
Stanley Rule & Level Co. (Atha Division), New Britain, Conn.

5918—Hardware (Builders' Rustless)

Art Hardware & Mfg. Co., Seattle, Wash.
Columbian Hardware Co., Cleveland,, O.
Corbin P. & F., New Britain, Conn.
Griffin Mfg. Co. (Cherry), Erie, Pa.
Milwaukee Stamping Co., 306 Pullen av, West Allis, Milwaukee, Wis.
See adv index at end of book

MILWAUKEE STAMPING CO.

Manufacturers of

BUILDERS' HARDWARE

RACINE Single and Double Acting Spring Butts

RACINE and MILWAUKEE Double Acting Surface Floor Hinges

MILWAUKEE Screen Door Hinges

Floor and Base Bumpers

Door Guards and Window Locks

Dies and Hardware Specialties

Office and Factory:
306 Pullen Avenue
West Allis
MILWAUKEE, WIS., U. S. A.

Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co. ("Russwin") New Britain, Conn.
Sager Lock Co., No Chicago, Ill.
Sargent & Co., Water & Walce, New Haven, Conn.
Yale & Towne Mfg. Co., 9 E 40th, New York

5919—Hardware from Architects' Designs

Corbin P. & F., New Britain, Conn.
Hunkins-Willis Lime & Cement Co. (Dirs. Metal for Concrete), Century bldg, St. Louis, Mo.
Penn Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sager Lock Co., No. Chicago, Ill.
Sargent & Co., Water & Walce, New Haven, Conn.
Western Brass Mfg. Co., 217 Tehama, San Francisco, Cal.
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

5919a— Hardware (Garage)

Allith-Prouty Co., Danville, Ill.
Dunham Thomas Co., Dept. H, Aurora, Ill.
Griffin Mfg. Co., Erie, Pa.
McKinney Mfg. Co. ("McKinney" Door Wrought Steel), Liverpool & Metropolitan, Pittsburgh, Pa.
Milwaukee Stamping Co. W. Allis, Milwaukee, Wis.
See adv index at end of book
National Mfg. Co., Sterling, Ill.
Railway Specialty Co., Atchison, Kans.
Richards Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book
Romort Manfg. Co., Dept. H., Main & Hubbard, Oakfield, Wis.
Stanley Works, New Britain, Conn.

5919b—*Hardware (Light Box)

Ludwig A. & Co., 75 Spring, New York

5920— Hardware Mfrs.

See also Hardware, Wholesale; also Hinge Manufacturers; also Lock Manufacturers; also Door Hangers; also Door Knob Manufacturers; also Sash Balance Manufacturers; also Nail Manufacturers; also Sash Weights; also Chains, Sash; also Cutlery Manufacturers, etc
(Names with * also manufacture Monel Metal)

CALIFORNIA.

FAIR OAKS—Niessen Bros. & Co.
LOS ANGELES—Earle Hardware Mfg. Co. (Builders), 2369 E 51st
Kain Fixture & Brass Works, 113 W Ann
Weiser Hdw. Mfg. Co., Inc., 5209 Pacific blvd.
SAN FRANCISCO—American Brass & Bronze Works, 124 Juniper
John's Hanger Mfg. Co. (Patent Door Hangers) 709 Harrison
Kortick Mfg. Co., 335 1st
Mission Brass Works, 123 Erie
Murray Bros. Machine Works (Marine), 231-233 Folsom
Schlage Co., American Bank bldg.
Standard Brass & Bronze Mfg. Co., 159—14th
United Sales Corp., 41 Drumm
See adv index at end of book
Western Brass Mfg. Co. (Builders), 217 Tahama
SAN JOSE—Axford & De Shields (Builders), Chestnut & University

CONNECTICUT.

BEACON FALLS— Bronson Homer D. Co (Brass Butts)
BRIDGEPORT—Acme Shear Co. (Shears & Tinners' Snips), 82 Hicks
American Specialty Co. (Cast & Wrought Brass), 165 Holland av
Am. Tube & Stamping Co. (Builders', Trunk & Saddlery, Pressed Steel), 471 Hancock
Bassick Co. (Cabinet & Automobile), 38 Austin
Bridgeport Chain Co. ("Monarch", Bronze, "Bridgeport," Steel, Sash Chains, etc)
Bridgeport Hardware Mfg. Corp., 461 Inn av
Cornwall & Patterson Co. (Piano & Organ), Bdfd. & Fafld.
Hotchkiss Edw. S. (Light), 1188 Main
White Mfg. Co. (Carriage), 155 Cannon
BRISTOL—Barrett W. L (Glass Cutters)
Ladd W. C.
New Departure Mfg. Co. (Coaster Brakes, Bells & Gongs)
See adv index at end of book
Root Chas. J. Co. (Butts)
Sessions J. H. & Son
CLINTON—Buell Bros.
CROMWELL—Warner Hammer Co.
GUILFORD—Spencer's, I. S. Sons, Inc. (Specialties)
HAMDEN—Henry John T. Mfg. Co. (Hammers, etc)
HARTFORD—Billings & Spencer Co.
Holt G. L. Co. (Specialties), 16 Sigourney
North & Pfeiffer Mfg. Co. (Specialties)
Taylor Mfg. Co. (Specialties), 18 Asylum
HIGGANUM—Higganum Hardware Co. (Specialties)
MERIDEN—Foster, Merriam & Co. (Cabinet)
International Silver Co. (Coffin Trimmings, etc)
Parker Chas. Co. (Window Trimmings, etc)
Wallace F. J. Co. Division ,Saddlery)
MIDDLETOWN—Chapman W. H. Co. (Saddlery)
Smith J. O. Mfg. Co. (Stationers')
MILFORD—Baldwin C. S. Mfg. Co. (Specialties), Cherry
Rostand Mfg. Co. (Automobile & Car)
MT. CARMEL—Mt. Carmel Mfg. Co. (Automobile), H Whitney av
Woodruff W. W. & Sons Co. (Carriage & Automobile Mountings)
NAUGATUCK—Russell J. M. Mfg. Co.
NEW BRITAIN—Corbin Cabinet Lock Co. (Trunk)
Corbin P. & F. (Builders')
Judd R. D. (Builders & Saddlery)
Landers, Frary & Clark (Cutlery & Hdw. Specialties)
North & Judd Mfg. Co. (Harness, Automobile, Baggage, Strap, Razor Strap & Dog Collar, Hardware, "Anchor Brand")
Prentice G. E. Mfg. Co. (Personal), Dept. H
Russell & Erwin Mfg. Co. (Builders)
Stanley Rule & Level Plant (Carpenter Tools)
Stanley Works (Wrought Steel Butts, Brackets, Garage, etc.)
Taplin Mfg. Co. (Specialties)
Williams William P. (Specialties)
NEW HAVEN—Atlas Mfg. Co. (Brackets, Wire & Sheet Metal Specialties)
Beebe W. S. Co. (Specialties)
Cowles C. & Co. (Malleable & Brass Hinges & Locks)
E. V. B. Mfg. Co. (Automobile), Dept. H
English & Mersick Co. (Carriage & Automobile Hardware & Specialties)
Ives H. B. Co. (Sash, Lock Lifts, Fasteners, etc.)
Kilborn & Bishop Co., 194 Chapel
North O. B. & Co. (Saddlery)
Ochsner A. & Son (Auto & Carriage, Locks, etc.), 1060 State st
Sargent & Co. (Locks, Builders', Cabinet & General Hardware)
Schollhorn Wm. Co. (Pliers, etc. & Hardware Specialties), 414 Chapel
Scranton & Co. (Specialties), 157 Church
NORWICH—Conn. Cord Iron Corp.
Turner & Stanton Co.
OAKVILLE—Smith Seymour & Son
PLAINVILLE—Calor C. H. (Light)
Clark A. N. & Son (Watchmakers' Tools, etc)
Hills Edwin (Harness, etc)
PLANTSVILLE—Blakeslee Forging Co. (Carriage)
Smith H. D. & Co. (Carriage)
Thomson Drop Forge Co. (Tool & Specialties)
ROCKY HILL—Rocky Hill Hardware Co.
SOUTHINGTON—Peck Stow & Wilcox Co. (Builders)
Scovill Mfg. Co. (Specialties to Order Only) *See adv index at end of book*
Southington Hardware Co.
SOUTH NORWALK—Lockood Mfg. Co. (Builders)
Norwalk Lock Co. (Builders)
STAMFORD—Davenport John Co. (Piano Plates, etc)
Excelsior Hdw. Co. (Cabinet, Furniture & Trunk Locks.)
Potter C. D. Co. (Piano)
Yale & Towne Mfg. Co. (Builders)
TERRYVILLE—Eagle Lock Co. (Locks, etc)
THOMPSONVILLE—Westfield Plate Co. (Coffin Trimmings)
TORRINGTON — Progressive Mfg. Co. ("Forstner" Bits)
Turner & Seymour Mfg. Co. (Upholstery & Drapery)
Union Hardware Co. (Skates & Hardware)
UNIONVILLE—Hart H. C. Mfg. Co. (Specialties)
Hogarty Edw. (Saddlery)
Humphrey H. W.
Monce S. G. (Light)
WALLINGFORD—Ives W. A. Mfg. Co. (Augurs & Bits)
Judd H. L. Co. (See New York)
WATERBURY—American Ring Co. (Upholstery & Cabinet)
Blake & Johnson Co. (Piano & Organ, etc), 1500 Thomaston av.
See adv index at end of book
Electrical Appliance Mfg. Co. (Blind Fasteners)
Morden Mfg. Corporation (Rings & Loose-Leaf Devices for Ledgers, Pamphlets, etc)
Noera Mfg. Co. (Specialties)
Novelty Mfg. Co. (Specialties)
Plume & Atwood Mfg. Co. (Brass Butts, etc)
SCOVILL MFG. CO. (Specialties To Order Only).
See adv index at end of book
Shoe Hardware Co. (Buckles, etc)
Waterbury Brass Goods Corporation (Brass Butt Hinges)
Waterbury Foundry Co.
Waterbury Mfg. Co., Division Chase Companies, Inc. (Saddlery Brass & Nickel Trimmings)

(Continued on following page)

Hardware Mfrs.—Continued

CONNECTICUT—Continued

WATERVILLE—Berbecker & Rowland Mfg. Co. (Upholstery & Cabinet)
WINSTED—Empire Knife Co. (The) (Pocket)
Moore Franklin Co. (Carriage)
Morgan Silver Plate Co. (Casket & Coffin)
Strong Mfg. Co. (Casket & Coffins)
YALESVILLE—Prisk Wm. M. & Sons Mfg. Co. (Specialties)

DELAWARE.

WILMINGTON—Delaware Marine Mfg. Co. (Brass & Bronze Hinges, etc.)

GEORGIA.

ATLANTA—Wood A. A. & Sons Co. (Hardware & Tools)
GAINESVILLE—Gainesville Iron Works (Specialties)

ILLINOIS.

ARLINGTON HEIGHTS—Berbecker Julius & Sons Co. (Upholsterers')
AURORA—Aurora Door Hanger & Specialty Co.
Richards-Wilcox Mfg. Co. (Door Hangers & Kindred Specialties)
See adv index at end of book
CHAMPAIGN—Cushman Co. Inc. (Specialties)
CHICAGO—Adjustable Clamp Co. (Hand Screws & Bar Clamps), 220 N. Jefferson
American Nickel Wks (Show Case & Store Fixtures), 1201 Cortland st
Casement Hardware Co. (Casement Window Adjusters), 230 E. Ohio
Cassady Fairbank Mfg. Co. (Specialties), 6126 La Salle
Chicago Spring Butt Co. (Spring Hinges, etc), 1500 Carroll av
Coleman Hardware Co. (Bldrs.), 952 N. Michigan av.
Cranston T. H. & Co. (Specialties), 56 E Randolph
Dexter & Newton (Specialties), 542 W 120th
Duffy, J. F., Jr., 563 Fulton
Duffy Mfg. Co. (Steel Tools & Hatchets), 214 W Grand av
Glogau & Co. (Specialties), Great Lakes bldg
Griffin Mfg. Co. (Hinges, Brackets, etc.), 74 W. Lake st
Handy Mfg. Co., 29 E Madison
Heath J. S. Co. (Furniture), Franklin & Ontario
Imperial Brass Mfg. Co., 1200 W Harrison, Chicago, Ill.
Johnson & Walters Mfg. Co. (Carriage), 101 Baltimore av, Detroit, Mich.
Kainer & Co. (Marine), 761 Mather
Kienzle Wm. F. (Saddlery), 4855 W Paulina
Lawson Mfg. Co. (Spring Hinges, etc.), 230 W. Superior
Makutchan Roller Bearing Co. (Specialties), 35 W Lake
Nicol & Co. (Specialties), 218 N Jefferson
Norton Door Closer Co., 2900 N. Western av.
Parsons Mfg. Co. (Specialties), 318 N. Whipple
Payson Mfg. Co. (Builders', etc), 2918 W Jackson blvd
Pratt, Wm. E. Mfg. Co. (Specialties), 35 W Lake
Precision Scientific Co., 820-822 S Tripp av
Read A. P. Co. (Specialties), 563 W Washington
Reflector & Hardware Specialty Mfg. Co., 2235 S Western av
Rixson, Oscar C. Co. (Builders), 4450 Carroll av
Seng Company (Specialties), 1450 Dayton
Stanley Works (Wrought Steel Butts, Brackets, etc.), 78 East
Superior Spring Hinge Co. (Builders'), 136 W Lake
Vaughan & Bushnell Mfg. Co., 2114 Carroll av
Tressing E. & Co. (Specialties), 166 W. Lake st
Western Brass Mfg. Wks., Inc. (Builders, Cabinet, etc.), Marshall blvd & 21st
Wilcor Mfg. Co. (Builder), 4824 W Lake
Wilcox E. A Mfg. Co. (Builders), 6330H Stony Island av
Wilkins, Geo. H. Co., 180 N Market
Williams F. B. Co. (Specialties), 507 E 39th
Woodworkers' Hdwe. Mfg. Co. (Store Fixtures), 1201 Cortland av
DANVILLE—Allith-Prouty Co. (Specialties)
DE KALB—Kohler Die & Specialty Co. (Specialties)
ELGIN—Elgin Silver Plate Co. (Casket)
Western Casket Hardw. Co. (Casket)
FREEPORT—Arcade Mfg. Co.
Kautenberg W. E. Co.
Stover Mfg. & Engine Co. (Builders, etc)
Western Newall Mfg. Co.
GALESBURG—Wenzelman Mfg. Co. (Specialties)
GENEVA—Burgess & Norton Mfg. Co. (Specialties)
HARVARD—Hunt, Helm, Ferris & Co. (Barn Door Hangers, Latches, etc)
LOCKPORT—Barrows Lock Co. (Builders)
MOLINE—Cooper H. W. Saddlery Hardware Mfg. Co.
NORTH CHICAGO—Great Lakes Mfg. Co.
Sager Lock Co. (Builders', etc)
OTTAWA—Porter J. E. Co. (Door Hangers, etc)
PANA—Progressive Mercantile & Mfg. Co. (Specialties)
ROCKFORD—National Lock Co. (Cabinet)
Washburn Co. (Andrews Division), Preston
STERLING—Frantz Mfg. Co.
Lawrence Bros. (Door Hangers, Hinges, etc)
National Mfg. Co. (Builders, Door Hangers, etc)
Sterling Foundry Co. (Stud Sockets)
SYCAMORE—Turner Brass Works (Specialties)

INDIANA.

ANDERSON—Hardware Specialty Mfg. Co.
CONNERSVILLE—Stant Geo. Machine Works (Carriage, Piano, etc)
ELKHART—Elkhart Hardware Mfg. Co. (Piano)
Johnson & Biddle Tool Co.
INDIANAPOLIS—Tucker & Dorsey Mfg. Co. (Specialties)
SOUTH BEND—Studebaker Corp (Carriage & Wagon)
WABASH—Harsh-Miller Mfg. Co. (Saddlery Terrets, Check Rim Spring

IOWA.

BOONE—Quinn Wire & Iron Works (Specialties)
CEDAR FALLS—Wagner Mfg. Co. (Specialties)
DUBUQUE—Adams Co. (Specialties)
Klauer Mfg. Co. (Specialties)
Schmid Mfg. Co. (Casket)
FAIRFIELD—Louden Machy Co. (Door Hangers, etc)
KEOKUK—Decker Mfg. Co. (Specialties)
Weber & Kirch Mfg. Co. (Specialties)

KANSAS.

ATCHISON—Atchison Saddlery Co.
LEAVENWORTH—Hesse W. G. & Son Mfg. Co. (Wagons)

LOUISIANA.

SHREVEPORT—Shreveport Saddlery Co.

MAINE.

BATH—Torrey Roller Bushing Works (Marine)
Watson Frye Co., Ltd. (Marine)
PORTLAND—Marine Hardware-Equipment Co. (Marine), S. P.

MARYLAND.

BALTIMORE—Alma Mfg. Co. (Clothers), 611 S Monroe
Dix Mfg. Co., Eagen & Fallsway
Gibson & Kirk Co. (Brass Marine), 217 Key Highway
Whiting, W. H. & Co. (Marine Specialties), 428 E Pratt
FREDERICK—Enterprise Hardware Mfg. Co.
HAGERSTOWN—Danzer Metal Works
Jones R. E. (Cold Storage Doors, Windows, etc)
Reisner, W. H. Mfg. Co., Inc. (Piano & Organ)
Victor Cooler Door Co. (Cold Storage Doors & Windows)

MASSACHUSETTS.

ATTLEBORO—Wilmarth W. D. & Co. Corp'n (Casket)
BOSTON—Austin & Eddy (Builders), 117 Broad
Bliss Bros. (Marine), 170 Commercial
Cutter Mfg. Co. (Specialties), Everett Sta.
McGreece Jas. P. & Co. (Piano), 362 Dover
Moore Geo. W. (Piano), 14 Farnsworth
Morss A. S. Co. (Marine), 132 Federal
Vaughan Co., W. C., 1 Haymarket sq
Wilkinson A. J. & Co. (Marine), 134 Washington
BROCKTON—Tuck Mfg. Co. (Tools & Cutlery)
CONWAY—Conant & Donelson Co.
FISKDALE—Snell Mfg. Co. (Bits, Augers, etc)
GREENFIELD—Goodell-Pratt Co. (Drills, Saw Blades), about 2000 Tools, etc.
Warner Mfg. Co. (Children's Carriages)
HOLYOKE—Coburn Trolley Track Mfg. Co. (Sliding Hangers & Tracks), P. O. Box 127
MILLERS FALLS—Millers Falls Co.
NEEDHAM—Orr, Galen & Co. (Blind Trimmings, etc)
NEWBURYPORT—Victor Mfg. Co. ("Victor" Door Hangers, etc)
ORANGE—Adell Mfg. Co.
PEABODY—Marine Hardware Co. (Yacht)
SOMERVILLE—Forg Peter Mfg. Co. (Cabinet)
SPRINGFIELD—Bemis & Call Hardware & Tool Co., 983 S. Main.
STOUGHTON—Norris Noiseless Pedal Action Co. (Piano & Organ)
WEST MANSFIELD—Richardson Chas A. (Specialties)
WESTFIELD—Rogers Silver Co. (Casket Mountings)
WINCHENDON—New England Lock & Hinge Co. (Tin Hinges, Chest Locks, etc)
WORCESTER—Gifford A. W. & Co., 30 Onead
Hamblin & Russell Mfg. Co. (Specialties)
Wright & Sons Co. (Piano & Organ), 164 Fremont

MICHIGAN.

ADRIAN—Oliver Instrument Co.
DETROIT—Casket Hardware Mfg. Co. (Casket), 2614 W. Warren
Detroit Register Co. (Specialties), 530 W. Jefferson
Detroit Shipbuilding Co. (Marine, Brass) ft. Orleans
Detroit Works (Builders), 233 E Larned
Douglas & Lomason Co. (Automobile), 5836 Lincoln av
Harry Bros. Mfg. Co. (Cabinet & Furniture), 232 Woodbridge
GRAND HAVEN—Am. Brass Novelty Co. (Refrigerator)
GRAND RAPIDS — GRAND RAPIDS BRASS CO. (Furniture)
See adv index at end of book
Grand Rapids Hdwe. Co. (Sash Pulleys)
Hardware Supply Co. (Door Catches,

MINNESOTA.

ALBERT LEA—Enderes, Inc.
ANOKA—Thurston Manual Training Supply Co. (Cabinet)
FERGUS FALLS—Fergus Iron Works Co. (Sash Weights, Sinks, etc),
MINNEAPOLIS—Whitney Window Corp. ("Whitney" Casement Window), 132 N Lake
ST. PAUL—Borreson Mfg. Co. (Specialties)

MISSOURI.

ST. JOSEPH—Carswell David (Specialties)
ST. LOUIS—American Foundry & Mfg. Co., 11th & Hebert
Beehler Steel Products Co. (Box), 1449 N. 13th *See adv index at end of book*
Hager C. & Sons Hinge Mfg. Co. (Hinges & Specialties)
Nixdorff-Krein Mfg. Co., 900 Howard
St. Louis Hardware Mfg. Co., 1509 W. 13th
St. Louis Trunk Hdw. Mfg. Co. (Specialties)
SHAPLEIGH HARDWARE CO. (Builders; Norleigh Diamond), 4th & Washington

NEW HAMPSHIRE.

NASHUA—Highton Wm. & Sons Co. (Cabinet, Desk & Specialties to Order)
Nashua Saddlery Hardware Co.

NEW JERSEY.

BELLEVILLE—Knickerbocker Mfg. Co.
FLEMINGTON — MALLORY MANUFACTURING CO. (Shutter), Flemington National Bank bldg.
See adv index at end of book
NEWARK—Brabson Bros. (Specialties), Hamilton
Buermann August Mfg. Co. (Bits, Spurs, Stirrups, etc), 220 Jelliff av
Crane W. T. Carriage Hardware Co., 165 Mulberry
Freeman A. W. (Saddlery), 329 Mulberry
Gilchrist Co. (Specialties), 236 Bank
Goldsmith L. & Son (Trunk), Cherry
Gould's M. Sons & Co. (Trunk), 115 Lafayette
Havell Mfg. Co. (Trunk & Bag Trimmings), 234 Washington
Huebel Mfg. Co. (Specialties), 103 Monroe
Jenkinson R. C. & Co. (Sheet Metal & Wire Goods), 239 Washington
Lowentraut P. Mfg. Co., 36 Brenner
Lukes Wm. (Stationers & Novelties), 857 S 19th
Romer & Co. (Inc.) (Lock, etc), 276 Passaic
Sargeant Mfg. Co. (Saddlery), 79 Summit
Sayre L. A. Co., 332 Mulberry
Searls Mfg. Co. (Carriage Mountings), 29 Mulberry
Smith, Frank F. Hardware Co. ("Smith's Improved Builders"), 81H Clay
Smith G. L. & Co. (Saddlery), 50 Spring
Steffens-Amberg Co. (Saddlery), 361 Morris av
Strieby & Foote Co. (Carriage), 301 Ogden
Thomas T. & Co. (Locks), 144 Mulberry
Wheaton A. W. Brass Works (Builders') 110 Walnut
Whitehouse E. A. Mfg. Co. ("Whitehouse" Auto Saddlery & Silver Trimmings), 44 Elm
Wiener-Barnet Co. (Saddlery), 339 Adams
Wiss J. & Sons (Cutlery), 31 Littleton av

PHILLIPSBURG—Galvanized Products Co. (Pole Line)
TRENTON—Climax Porcelain Co. (Door Knobs)
Skillman Hardware Mfg. Co. (Locks & Knobs)

NEW YORK.

AUBURN—Clapp E. D. Mfg. Co. (Carriage), 300 Genesee
Eccles Richard Co. (Carriage, etc)
BINGHAMTON—Binghamton Hardware Specialty Co. (Specialties)
BINNEWATER—NICHOLS GEORGE W. Builders, Jobbers; Construction Contracts a specialty)
BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—Ajax Hardware Mfg. Co., 854 Ellicott st
Art Work Shop ("Superior" Automobile), 823 E Ferry
Buffalo Specialty Co., 375 Ellicott
North Buffalo Hardware Foundry Co., 743 Hertel av
Phoenix Hardware Mfg. Co. (Specialties), 49 Illinois
Pratt & Letchworth Co. (Carriage), 189 Tonawanda
CORTLAND—Brewer-Titchener Corp. ("Z. I. C." and "Pioneer" Automobile Trimming)
Nelson & Call Co. (Carriage)
EAST AURORA—Forsyth Metal Goods Co (Specialties)
EAST ROCHESTER—Brainerd Mfg. Co.
ELMIRA—Cronk & Carrier Mfg. Co. (Specialties), 150 Lake
GENEVA—Geneva Cutlery Corp.
HERKIMER—Quackenbush, H. M.
INTERLAKEN—Covert Saddlery Works
JAMESTOWN—Ellison Brass Mfg. Co. (Special)
Weber-Knapp Co. (Furniture & Phonograph)
KINGSTON—Ramsey Chas. Co. (Piano)
LITTLE FALLS—Cheney Hy. Hammer Co. (Hammers, etc)
MANLIUS—Cheney S. & Son (Grey Iron Specialties)
MECHANICSVILLE—Lynd L. E. Mfg. Co. (Piano)
MEDINA—Swett A. L. Iron Works (Specialties)

NEW YORK CITY.

Borough of Brooklyn

BROOKLYN—Bommer Spring & Hinge Co., 263 Classon av
Brass Goods Mfg. Co. (Builders, Refrigerator & Specialties), 345 Eldert
Eagle Hardware Co., 551 Nostrand av
*Greenpoint Brass & Bronze Co., 604 Lexington av
H. & A. Lock Co. (Trunk), 243 44th
Kroder John & Henry Reubel Co., Meeker av
Sterling Casket Hardware Co., 383 Kent av
Tiebout C. H. & Sons (Marine), 81 Grand

Boroughs of Manhattan and Bronx.

NEW YORK—Bayer Gardner-Himes Co. (Builders'), 101 Park av
*Caldwell Co., Edw. F., 38 W 15th
Corbin P. & F. Div., 101 Park av
Creamer W. G. & Co. (Car), 96 John
Durkee Chas. D., & Co. (Marine), 2 South
Ford Hardware Co., Inc. (Builders), 25 W 25th
Gerstner A. W. Co. (Hardware Tools & Cutlery), 634 8th av, New York
Gould-Mersereau Co. (Upholstery), 52 W 38th
*Gramercy Brass & Iron Works, 619 10th av
Greene, Tweed & Co., 109 Duane
Guerin P. E. (Inc.), 21 Jane
Harris D. P. Hdwe & Mfg. Co. (Automobile & bicycles), 24H Murray
Harris Hardware Co. (Specialties), Suite 506, Educational bldg
Heitler Kurt (Specialties), 221 4th av
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall st. (See insert under Monel Metal)
See adv index at end of book
Jennings C. E. & Co. (Mechanics' Tools & Specialties), 71 Murray
Judd H. L. Co. (Upholstery, Stationery & Fancy), 87 Chambers, Works: Wallingford, Conn.
Keil Francis & Son, 401 E 163d
*Kuehn & Co., A., 270 Grifith
McCabe Hanger Mfg. Co. (Bolts & Door Hangers, 426-8 W. 25th
Marine Mfg. & Supply Co. (Marine), 158 South
Morton Thos. (Sash Chains, etc), 245 Center
Neptune Hdwe. Mfg. Co. (Awning), 80 Warren
*New York Art Works, The, 328 7th av
Russell & Erwin Mfg. Co., Div of N. Y., 96 Lafayette
Sargent & Co., 94 Centre
Segal Lock & Hardware Co., Inc., 155 Leonard
*Sholes, Inc. (Hinges, Catches, etc.), 186 Lafayette
Smith & Egge Mfg. Co., 258 B'way
SMITH & HEMENWAY CO., INC., 261 H. B'way; also 130 H. Colt, Irvington, N. J.
See adv index at end of book
Stanley Works, 100 Lafayette
Tiebout W. & J. (Brass & Galvanized), 118 Chambers
*Todhunter Arthur, 101 Park av
Wickwire Spencer Steel Corp., 41 E. 42nd *See adv index at end of book*

Borough of Queens

LONG ISLAND CITY—Drapery Hardware Mfg. Co. (Upholstery), 210 13th
(End of New York City)
NIAGARA FALLS—Niagara Falls Metal Stamping Works (Specialties)
NORWICH—Maydole David Hammer Co. (Hammers only)
OGDENSBURG—Newell Mfg. Co. (Upholstery, etc.)
POUGHKEEPSIE—Lane Bros. Co. (Door Hangers, etc.)
Schatz Mfg. Co. (Specialties)
ROCHESTER—Caldwell Mfg. Co. (Sash Balances, etc.), 8 Jones
Pullman Mfg. Co. (Sash Balances, Door Checks & Razor Stroppers), 228H South av
Sargent & Greenleaf, Inc. (Locks)
Snellex Mfg. Co., Dept. H
SCHENECTADY—S. R. Mfg. Co.
SYRACUSE—Frazer & Jones Co. (Saddlery)
Stearns E. C & Co (Door Hangers, etc.), 450 Oneida
TROY—Covert Mfg. Co. (Saddlery)
Read O B. Mfg Co (Saddlery)
WATERTOWN—Wise J. B. Inc. (Specialties of Pressed Work)

OHIO.

AKRON—Enterprise Mfg. Co. (Saddlery)
ASHLAND—Myers F. E. & Bro. (Builders, Hardware), 950 Orange
See adv index at end of book
CANTON—Elbel Mfg. Co. (Saddlery, etc)
Kohler F. E. Co. (Specialties)
Ney Mfg. Co. (Hangers, etc.)
Novelty Cutlery Co. (Cutlery Mfrs.)
Swineford G. A. Co. (Door Hangers, etc., 826 Mulberry rd
CINCINNATI—Crane & Breed Mfg. Co. (Casket), 1227 W 8th
Enterprise Brass & Plating Co. (Vehicle Mountings), 6th & Baymiller
Haven Malleable Castings Co. (Carriage & Saddlery), Dept. H
Metal Specialty Co., 1533 W. 6th st
Monarch Carriage Goods Co., 2842 Spring
National Brass Mfg. Co. (Furniture & Hearse Trimmings, etc.), 1115 Marshall av
Queen City Forging Co. (Carriage), Tennyson & Dumont, Columbia
Schriver O. P. & Co. (Specialties), 621 E Pearl
CLEVELAND—Astrup Co., 2939 W. 25th
Cleveland Hdwe. Co., Lakeside av & E. 45th
Cochrane J. A. Brass Mfg. Co. (Specialties), 1403 E 40th
Columbian Hardware Co.
Cray Bros. (Carriage), 1111 W 11th
Eberhard Mfg. Co. (Carriage, Wagon & Automobile), C. & P. Ry & Tennyson rd
Fanner Mfg. Co. (Specialties)
Globe Machine & Stamping Co. Manufactured to Order), 1250 W 76th, Cleveland, O.
Hines Pattern & Mfg. Co., 10108 Detroit av
Independent Register & Mfg. Co. (Specialties), Perry Payne bldg
Langenau Mfg. Co. (Casket), 3403 Franklin av
Russ Co., 5700 Walworth av, S W
Sanymetal Products (Toilet), 978H E 64th
Taylor & Boggis Fdry. Co. (Builders, etc.)
Walworth Run Foundry Co. (Specialties), 2488 W 27th
Wrobbel-Maine Co. (The), 3106 E 63rd
COLUMBUS—Columbus Bolt Works Co. (auto), Water & Chestnut
DALTON—Martin S. B. (Door Hangers, etc.)
DAYTON—Thomson S. H. Mfg. Co.
FREMONT—Herbrand Co. (Carriage & Wagon)
GALION—Plymouth Stamped Metal Co. (Small)
GENEVA — Champion Hardware Co. (Locks, etc.)
HAMILTON — HAMILTON CASTER & MFG. CO. (Casters, etc.) 1635 Dixie Highway
See adv index at end of book
KENT—Miller J. B. Keyless Lock Co.
MANSFIELD—Mansfield Electric Hardware Co. (Specialties)
MINERVA—Minerva Mfg. Co. (Bldrs. & Specialties)
RAVENNA—Williams A. C. Co.
SHELBY—Shelby Metal Products Co. (Builders)
Shelby Spring Hinge Co. (Hinges, etc.)
WARREN—WARREN TOOL & FORGE CO., 145 Griswold
See adv index at end of book
WEST TOLEDO—Toledo-Reynolds Mfg. Co. (Specialties)

PENNSYLVANIA.

ALLENTOWN — Kline Hardware Co.
BRACKENRIDGE—Western Tool & Forge Co., Awnings, etc.)
BRADFORD—Tru Lite Mfg. Co. ("Tru-Lite" Builders), Dept. H
BRYN ATHYN—*Bryn Athyn Stone Co.
COLUMBIA—U. S. Lock & Hardware Co.
ELDRED—Prouty C. & Co. (Tools, etc.)
Walker C. L. & Co. (Ice Picks, Cork Screws, Cork Pullers, etc.), 656 W 12th
ERIE—Griffin Mfg. Co. ("Griffin" Strap & T. Hinges, Brackets, Door Bolts etc), Cherry
FULLERTON—Dent Hardware Co.
GIRARD—Ely, Theo. Mfg. Co.
LANCASTER—Excelsior Lock & Hdwe. Co. (Padlocks & Specialties)
Fraim-Slaymaker Hardware Co. Inc. (Locks, etc.) H First
Miller J. Walker Co. (Specialties)
Safe Padlock & Hardware Co. (Shelf-Hardware)
LEONA—Ely E. C. Co. (Specialties)
MECHANICSBURG—Wilcox D. Mfg. Co. (Carriage)
MOUNT JOY—Rollman Mfg. Co., Ltd. (Specialties)
NORTHUMBERLAND—Keystone Forging Co. (Carriage)
NORTH EAST—Fernald Mfg. Co. ("Quick Shift" Anti-Rattlers, Whip Sock- etc, etc.)
PHILADELPHIA—Andrews Mfg. Co. (Door Knobs), 388 Harmony
Berger Bros. Co. ("Keystone" Boiler Handles), 229 Arch
Brewer Bros. Co. (Builders), 2743 N. 2nd
Brohard Co. (Doorholders, etc.), 3rd & Lehigh)
Carey, McFall Co. (Auto Body), 2154H S Dauphin
Devlin Thos. Mfg. Co. (Carriage, Saddlery, Builders, etc.), 3d & Lehigh av
Enterprise Mfg. Co. of Pa. (Specialties), 3d & Dauphin
Gem Stopper Co. "Gesco" (Wire), 2120 Nicholas av
Miller Lock Co. (Locks), 4523 Tacony, Fkd.
Mousley's Chas. Sons (Car, Brass & Bronze), 457 N 12th
Nock Geo. W. Co. (Locks), 1304 Race
North Bros. Mfg. Co. (Screw Drivers & Specialties), Lehigh av & American
Parsons Specialty & Machine Works (Specialties in Metal & Wire), Cortland W. 5
Phila. Hdwe. & Mall. Iron Wks. (Awning), 9th & Jefferson
Royal Mfg. Co. (Household Specialties), 406 Commerce
Sutterley, G. T. & Co. (Trunk), 1720H N 2nd
*Yellin Samuel, 5520 Arch
PITTSBURGH—B. B. Specialty Co., H, 433 Liberty av
Lanz M. & Sons (Hinges, etc), 2907 Carson
McKinney Mfg. Co. (Hinges, Butts, Door Hangers), Liverpool & Metropolitan
Oliver Iron & Steel Co. (Wagon), S 10th & Muriel
POTTSTOWN—Colebrookdale Iron Co. (Specialties)
READING—Chantrell Hardware & Tool Co. (Builders & Shelf)
Gray Iron Foundry Co.
Reading Saddle & Mfg. Co. (Household Specialties)
READING—Penn. Hardware Co. (Builders)
SHARON—Sharon Hardware Mfg. Co. (Builders)
WRIGHTSVILLE—Wrightsville Hardware Co. (Builders & Specialties)

RHODE ISLAND.

PROVIDENCE—United States Hdwe & Mfg. Co. (Cast Iron & Brass), 16H Warren av
WOONSOCKET—Perforated Pad Co. (Saddlery)

TENNESSEE.

CHATTANOOGA — American Mfg. Co. (Harness & Builders), Chestnut & Water
McGregor J. F. & Co. (Specialties), 711½ Cherry
Southern Skein & Foundry Co. (Wagon), E. Lake
MEMPHIS — Pidgeon-Thomas Iron Co. (Heavy), Dept. H

TEXAS.

CORSICANA—Oil City Iron Works (Oil Field)

VERMONT.

WINDSOR—Hubbard & McClary (Specialties, Hangers)

WASHINGTON.

SEATTLE—Art Brass & Plating Works (Bldrs.), 539 First av, South
TACOMA—Doud-MacFarlane Macky Co. (Marine), 1501 Dock

WISCONSIN.

BERLIN—Peck C. A. Hardware Co. (Specialties)
JANESVILLE—Strickler Hay Tool Co.
LA CROSSE—Stamping & Tool Co. (Dies, Tools & Specialties)

(Continued on following page)

Hardware Mfrs.—Continued

WISCONSIN—Continued

MILWAUKEE—Bolles Wm. B., P. O. Box 600M

GEUDER PAESCHKE & FREY CO. Specialties), 1314-1790 St, Paul av *See adv index at end of book*

Loeffelholz Co. (Cabinet)

Lultink & Sons Mfg. Co. (Door Hangers), 775 18th

Milwaukee Stamping Co. (Traveling Bag, Trunk, Hinges, etc.), W. Allis *See adv index at end of book*

Schartow Mfg. Co. (Saddlery)

Western Hdwe. Mfg. Co. (Specialties), 858 3d

Young Specialty Co., 2220 Vliet

NORTH MILWAUKEE—Wagner E. R. Mfg. Co. (Specialties for Children's Vehicles)

RACINE—Harvey Spring & Forging Co. (Wagon)

Imperial Bit & Snap Co. (Saddlery, etc)

Racine Malleable & Wrought Iron Co. (Saddlery)

Wisconsin Metal Products Co. (Specialties)

SOUTH MILWAUKEE—Lime Material Co.

Midland Co.

Stowell Co., The (Wagon Malleables, Clevises, etc)

5921—Hardware Mfrs. (Automobile & Carriage Top)

Ashtabula Bow Socket Co., Ashtabula, O.

Auto Specialties Mfg. Co. (Inc.), (Auto Top), Joliet, Ill.

Beehler Steel Products Co., 1449 N 13th, St. Louis, Mo. *See adv index at end of book*

Buermann August Mfg. Co. (Auto Top), Newark, N. J.

Cleveland Hardware Co. (Auto Top), Lakeside av & E 45th, Cleveland, O.

Crandal, Stone (Division The Brewer-Tichener Corp.), Binghamton, N. Y.

Detroit Socket Co., 2744 W. Jefferson, Detroit, Mich.

E. V. B. Mfg. Co., New Haven, Conn.

Ferro Stamping & Mfg. Co. ("Ferro"), 1379 Franklin, Detroit, Mich.

Halladay L. P. Co. (Automobile Specialties), Decatur, Ill.

Wheel B. Top & Hdwe. Co., 127 E 8th, Cincinnati, O.

York Hdwe. & Brass Wks., Inc., York, Pa.

Woodworkers' Hardware Mfg. Co., 1415

5922—Hardware Mfrs. (Awning)

Anchor Supply Co., 100 N. Water, Evansville, Ind.

Astrup Mfg. Co., 2927 W 25th, Cleveland, O.

Beehler Steel Products Co., 1449 N. 13th, St. Louis, Mo. *See adv index at end of book*

Boyle John & Co., 112 Duane, New York

Cleveland-Akron Bag Co., Cleveland, O.

De Sanno Mfg. Co., 1853 38th av, Oakland, Cal.

Humphrys' R. A. Sons, 1026 Callowhill, Phila, Pa. *See adv index at end of book*

Neptune Hardware Mfg. Co., 80 Warren, New York

Phila. Hdwe. & Mall. Iron Wks., 9th & Jefferson, Phila., Pa.

Reading Hardware Co., Reading, Pa.

Sargent & Co., Water & Walce, New Haven, Conn.

Stant Geo. Machine Works, Connersville, Ind.

Topping Bros., 156 Varick st, New York *See adv index at end of book*

AWNING HARDWARE

TOPPING BROTHERS

156 VARICK STREET, NEW YORK

Western Tool & Forge Co., Brackenridge, Pa.

Wilcox Crittenden & Co. Inc., 444 S Main, Middletown, Conn. *See adv index at end of book*

5923—Hardware Mfrs. (Billiard Table)

Dent Hardware Co., Fullerton, Pa.

5924—Hardware Mfrs. (Cabinet)

American Mfg. Co., Chestnut & Water, Chattanooga, Tenn.

American Ring Co., Waterbury, Conn.

Artistic Bronze Co., Bridgeport, Conn.

Bassick Co., 38H Austin, Bridgeport, Conn.

Berbecker Julius & Sons Co., Arlington Heights, Ill.

Berbecker & Rowland Mfg. Co., Waterville, Conn.

Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.

Brainerd Mfg. Co., East Rochester, N. Y.

Brass Goods Mfg. Co., 345 Eldert, Brooklyn, N. Y.

Bulman E. O. Mfg. Co., Grand Rapids, Mich.

Corbin Cabinet Lock Co., New Britain, Conn.

Drake Lock Nut Co. ("Drake," "Glider"), Folsom at 10th, San Francisco, Cal.

Foster, Merriam & Co. (Casters, Pulls, Knobs, Escutcheons, etc), Meriden, Conn.

GRAMMES L. F. & SONS, 311 Union, Allentown, Pa. *See adv index at end of book*

GRAMMES EST. 1875 CABINET HARDWARE

Card Holders, Hinges, Nails, Catches and Metal Trimmings for Paper and Wooden Boxes. Our experience and quantity production assures you quality and good service.

L. F. GRAMMES & SONS, INC.
365 Union Street Allentown, Pa.

Grand Rapids Brass Co., Grand Rapids, Mich.

Greene, Tweed & Co., 109 Duane, New York

Guerin P. E. (Inc.), 21 Jane, New York

Hardware Supply Co., Grand Rapids, Mich.

Highton Wm. & Sons Co. (Also Desk), Nashua, N. H.

Keystone Friction Hinge Co. (Furniture Hardware Specialties), Williamsport, Pa.

Knape & Vogt Mfg. Co., Grand Rapids, Mich.

Loeffelholz Co., Milwaukee, Wis.

National Brass Mfg. Co., 1115 Marshall av, Cincinnati, O.

National Lock Co. (Brass & Plated), Rockford, Ill.

Niessen Bros & Co., Fair Oaks, Cal.

Russell & Erwin Mfg. Co., New Britain, Conn.

Safe Padlock & Hardware Co., Lancaster, Pa.

Sargent & Co., Water & Walce, New Haven, Conn.

Sessions, J. H. & Son (For Furniture), Bristol, Conn.

Shelby Metal Products Co., Shelby, Ohio

Stanley Works, New Britain, Conn.

Thurston Manual Training Supply Co., Anoka, Minn.

Walstad Machine Co. (Table Leg Sockets), 1005 East D, Tacoma, Wash.

Weber-Knapp Co. (For Furniture & Phonographs), Jamestown, N. Y.

Williams F. B. Co., 507 E 39th, Chicago, Ill.

Woodworkers' Hardware Mfg. Co., 1201 Cortland, Chicago, Ill.

Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

5925—Hardware Mfrs. (Car)

Adams & Westlake Co., 319 W Ontario, Chicago, Ill.

Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.

Brill J. G. Co., 62d & Woodland av, Phila., Pa.

Dayton Mfg Co., Dayton, O.

Delaware Marine Mfg. Co. (Brass & Bronze), Wilmington, Del.

Mousley's Chas. Sons (Brass & Bronze), 457 N 12th, Phila., Pa.

Rostand Mfg. Co. ("Rostand"), Milford, Conn.

St. Louis Car Co., 3000 N B'way, St. Louis, Mo.

5926—Hardware Mfrs. (Carriage & Automobile)

American Brass Novelty Co., Grand Haven, Mich.

American Shovel and Stamping Co., Lorain, Ohio

Ashtabula Bow Socket Co. (Automobile Bow Sockets, etc), Ashtabula, Ohio

Bahls H. M. Hdwe. Co., 209 Main, La Fayette, Ind.

Baldwin E. N. Shelton, Conn.

Bassick Co. (Automobile), 38H Austin, Bridgeport, Conn.

Beckley-Ralston Co. (Automobile), 1801 S Michigan av, Chicago, Ill.

Blakeslee Forging Co., Plantsville, Conn.

Bourne-Fuller Co., Hanna bldg, Cleveland, Ohio

Clapp E. D. Mfg. Co., 309 Genesee, Auburn, N. Y.

Cleveland Hardware Co. (Also Wagon), Lakeside av. & E 45th, Cleveland, O.

Columbus Bolt Works Co., Columbus, O.

Cowles C. & Co., New Haven, Conn.

Crandal Stone (Division The Brewer-Tichener Corp.), (Also Wagon & Automobile), Binghamton, N. Y.

Crane W. T. Carriage Hardware Co. (Iron, Steel, Wheels, etc.), 165 Mulberry, Newark, N. J.

Cray Bros. (Jobbers), 1111 W 11th, Cleveland, O.

Devlin Thos. Mfg. Co., 3rd & Lehigh av, Philadelphia, Pa.

Douglas & Lomason Co. (Automobile), 5836 Lincoln av, Philadelphia, Pa.

Eberhard Mfg. Co., C. & P. Ry. & Tennyson rd, Cleveland, O.

Eccles Richard Co. (Also Drop Forgings), Auburn, N. Y.

English & Mersick Co., New Haven, Conn.

Franklin Park Foundry Co., Franklin Park, Ill.

Harris D. P. Hdwe. & Mfg. Co., 24H Murray, New York

Harvey Spring & Forging Co. (Wrought Wagon), Racine, Wis.

Haven Malleable Casting Co., Dept. H, Cincinnati, O.

Herbrand Co., Fremont, O.

Hesse W. G. & Son Mfg. Co. (Wagon), Leavenworth, Kan.

Johnson & Walters Mfg. Co., 101 Baltimore av, Detroit, Mich.

Keystone Forging Co. (Drop Forged), Northumberland, Pa.

Monarch Carriage Goods Co., 2842 Spring, Cincinnati, O.

Moore Franklin Co., Winsted, Conn.

Mossman, Yarnelle & Co. (Bow Sockets), Ft. Wayne, Ind.

Nelson & Call Co., Cortland, N. Y.

Ochsner A. & Son (Coach & Carriage Lamps), 1060 State st, New Haven, Conn.

Oliver Iron & Steel Co. (Wagon), S 10th & Muriel, Pittsburgh, Pa.

Pratt & Letchworth Co., 189 Tonawanda, Buffalo, N. Y.

Queen City Forging Co., Tennyson & Dumont, Columbia, Cincinnati, O.

Racine Malleable & Wrought Iron Co., Racine, Wis.

Searls Mfg. Co. (And Carriage Mountings), 29 Mulberry, Newark, N. J.

Smith H. D. & Co., Plantsville, Conn.

Southern Skein & Foundry Co. (Wagon), E. Lake, Chattanooga, Tenn.

Stant Geo. Machine Works, Connersville, Ind.

Stowell Co., The (Wagon Malleables, Clevises, etc.), South Milwaukee, Wis.

Strieby & Foote Co., 301 Ogden, Newark, N. J.

Studebaker Corp. (Also Wagon), South Bend, Ind.

Warner Mfg. Co. (Children's), Greenfield, Mass.

Wheel B. Top & Hdwe. Co. (Also Wagon), 127 E 8th, Cincinnati, O.

White Mfg. Co., 155 Cannon, Bridgeport, Conn.

Wilcox D. Mfg. Co., Mechanicsburg, Pa.

Woodruff Walter W. & Sons Co. (Carriage & Automobile Mountings, etc), Mt. Carmel, Conn.

5927—Hardware Mfrs. (Casket)

Aluminum Castings Co. (Castings) 2210 Harvard, Cleveland, O.

Casket Hardware Mfg. Co., 2614 W. Warren, Detroit, Mich.

Crane & Breed Mfg. Co., 1227 W 8th, Cincinnati, O.

Elgin Silver Plate Co., Elgin, Ill.

Handy Mfg. Co., 39 E Madison, Chicago, Ill.

International Silver Co. (Silver Plated), Meriden, Conn.

Langenau Mfg. Co., 3403 Franklin, N W, Cleveland, O.

Meriden Britannia Co., Meriden, Conn.

Morgan Silver Plate Co. (And Funeral Supplies), Winsted, Conn.

Mound Coffin Co., Main & Chambers, St. Louis, Mo.

National Brass Mfg. Co. (Hearse Trimmings), 1115 Marshall av, Cincinnati, O.

Rogers Silver Co., Westfield, Mass.

Sargent & Co., Water & Wallace, New Haven, Conn.

Schmid Mfg. Co., Dubuque, Ia.

Sterling Casket Hardware Co., 383 Kent av, Brooklyn, N. Y.

Strong Mfg. Co., Winsted, Conn.

Western Casket Hardware Co., Elgin, Ill.

Wilmarth W. D. & Co., Attleboro, Mass.

5928-9—Hardware Mfrs. (Fire Door)

Allith-Prouty Co. ("Allith" & "Prouty"), Danville, Ill.

Bolles Wm. B., P. O. Box 600M, Milwaukee, Wis.

Dusing & Hunt, 336 Michigan av, Buffalo, N. Y.

Richards-Wilcox Mfg. Co., Aurora, Ill. *See adv index at end of book*

Hardware Mfrs. (Furniture)

See Hardware Mfrs., Cabinet

5930—Hardware Mfrs. (Marine)

Adams & Westlake Co., 319 W Ontario, Chicago, Ill.

Bliss Bros., 170 Commercial, Boston, Mass.

Campbell A. S. Co. ("Cello" Motor Electric Lighting Systems), 161H Prescott, Boston, Mass.

Carpenter Geo. B. & Co., 434 N Wells, Chicago, Ill. *See adv index at end of book*

Delaware Marine Mfg. Co. (Brass & Bronze) , Wilmington, Del.

Dent Hardware Co., Fullerton, Pa.

Detroit Shipbuilding Co. ("Kirby") (Brass Department), ft. Orleans, Detroit, Mich.

Doud-MacFarlane Machy. Co., 1501 Dock, Tacoma, Wash.

Durkee Chas. D. & Co., 2 South, New York

Ellison Brass Mfg. Co. (Port Holes), Jamestown, N. Y.
Gibson & Kirk Co. (Brass), 217 Key Highway, Baltimore, Md.
Gloucester Block Co. (Fittings), Gloucester, Mass.
Greene, Tweed & Co., 109 Duane, New York
Kainer & Co. (Marine), 761 Mather, Chicago, Ill.
LAUGHLIN THOS. CO., 135 Fore, Portland, Me. *See adv index at end of book*
McMillan's W. H. Sons, 153 South, New York
Marine Hdw. Co. (Yacht), Peabody, Mass.
Marine Hardware-Equipment Co., South Portland, Me.
Marine Mfg. & Supply Co., 158 South, New York
Mead John J. Co., 75 Barclay, New York
Morss A. S. Co. (Motor Boat Fittings, etc), 132 Federal, Boston, Mass.
Mousley's Chas. Sons (Brass, Bronze, etc), 457 N 12th, Phila., Pa.
Neptune Hardware Mfg. Co., 80 Warren, New York
Norwalk Lock Co., South Norwalk, Conn.
Phila. Hdwe. & Malleable Iron Wks., 9th & Jefferson, Phila., Pa
Pullman Mfg. Co., Rochester, N. Y.
Sargent & Co. (All Kinds), Water & Walce, New Haven, Conn.
T. & B. Brass Foundry Co., Tacoma, Wash.
Thacher Propeller & Foundry Corp., Albany, N. Y.
Tiebout W. & J. (Brass & Galvanized), 118 Chambers, New York
Topping Bros., 156 Varick st, New York *See adv index at end of book*
Torrey Roller Bushing Works, Bath, Me.
Union Hardware Co., Torrington, Conn.
Upson Walton Co., 1294 W 11th, Cleveland, Ohio
Watson Frye Co., Ltd., Bath, Me.
White E. V. & Co., 420 Water, Norfolk, Va.
Whiting, W. H. & Co., 428 E Pratt, Baltimore, Md.
Wilcox Crittenden & Co. Inc., 444 S Main, Middletown, Conn. *See adv index at end of book*
Wilkinson A. J. & Co., 184 Washington, Boston, Mass.

5931—Hardware Mfrs. (Metal Window)

Smith, Frank F. Hardware Co. ("Smith's" Pivoted Window Hardware, etc), 81 Clay, Newark, N. J.

5932—Hardware Mfrs. (Piano Player)

Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn. *See adv index at end of book*
Elgin Metal Novelty Co., Elgin, Ill.
Monarch Tool & Mfg. Co., The, 122 Opera pl., Cincinnati, O.
Norris Noiseless Pedal Action Co., Stoughton, Mass.
Standard Player Hdwe. Co., 512 W 36th, New York

5933—Hardware Mfrs. (Piano & Organ)

Advance Felt & Cutting Co., 330H S Jefferson, Chicago, Ill.
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn. *See adv index at end of book*
Cornwall & Patterson Co., Bdfd. & Frfld., Bridgeport, Conn.
Davenport John Co., Stamford, Conn.
Elkhart Hardware Mfg. Co. (Piano Only), Elkhart, Ind.
Hedason Mfg. Co. (Piano only) 1041 State, New Haven, Conn.
Lynd L. E. Mfg. Co., Mechanicsville, N. Y.
McGreece Jas. P. & Co., 262 Dover, Boston, Mass.
Miller J. Walter Co., Lancaster, Pa.
Monarch Tool & Mfg. Co., The (Automatic Piano Accessories, Well Bores, Magazine Slots, Re-wind Machines, Coin Slides), 122 Opera pl., Cincinnati, O.
Moore Geo. W., 44 Farnsworth, Boston, Mass.
Norris Noiseless Pedal Action Co., Stoughton, Mass.
Oakville Co. ("Oco" Hinges), Waterbury, Conn.
Octo Engng. Ass'n, Inc., Rochester, N. Y.
Potter C. D. Co., Stamford, Conn.
Ramsey Chas. Co., Kingston, N. Y.
Red River Lumber Co. (Piano Key Beds), 807 Hennepin av, Minneapolis, Minn.
Reisner W. H. Mfg. Co. (Electro Magnets), Hagerstown, Md.
Stant Geo. Machine Works (Piano), Connersville, Ind.
Wickham Piano Plate Co., Springfield, O.
Wright & Sons Co., 51 Jackson, Worcester, Mass.

5934—Hardware Mfrs. (Pivoted Window)

Grant Pulley & Hardware Co, 101 Park av, New York
Smith Frank Hardware Co. ("Smith"), 81 Clay, Newark, N. J.
Steiner & Voegtly Hardware Co. ("Glesey"), 330 Diamond, Pittsburgh, Pa.

5935—Hardware Mfrs. (Saddlery)

American Chain Co., Bridgeport, Conn.
American Hame & Bit Co., 59 N. J. R. R. av, Newark, N. J.
American Mfg. Co., Chattanooga, Tenn.
Am. Tube & Stamping Co. (Pressed Steel), 471 Hancock, Bridgeport, Conn.
Atchison Saddlery Co., Atchison, Kan.
Brabson Bros., 47 Hamilton, Newark, N. J.
Buermann August Mfg. Co. (Bits, Spurs, Stirrups, etc), 220 Jelliff av, Newark, N. J.
Chapman W. H. Co., Middletown, Conn.
Cooper H. W. Saddlery Hardware Mfg. Co., Moline, Ill.
Cotton Mfg. Co., Montpelier, Vt.
Covert Mfg. Co., Troy, N. Y.
Covert Saddlery Works, Interlaken, N. Y.
Devlin Thos. Mfg. Co., 3d & Lehigh av, Phila., Pa.
Diamond Whip Co. (Leather, Braided Bridles, Leather Face Nets), 406 N Curtis, Chicago, Ill.
Eberhard Mfg. Co., C. & P. Ry & Tennyson rd, Cleveland, O
Elbel Mfg. Co. ("Owl Brand"), 826 Mulberry rd, Canton, O.
Enterprise Mfg. Co. ("Pflueger" Metal & Inlaid Rosettes, Ornaments, Letters, Figures, Buckles, etc), Akron, O.
Frazer & Jones Co. ("Staple Brand"), Syracuse, N. Y.
Greacen & Co., 480 Washington, Newark, N. J.
Harsh-Miller Mfg. Co., Wabash, Ind.
Haven Malleable Castings Co., Cincinnati, Ohio
Hill & Langstroth (Dirs), 68 Beekman, New York
Hills Edwin (Harness, etc), Plainville, Conn.
Hogarty Edward, Unionville, Conn.
Horst Bros., 139 N 6th, Phila., Pa.
Imperial Bit & Snap Co., Racine, Wis.
Jenkinson R. C. & Co. (Sheet Metal & Wire Goods, etc.), 293 Washington, Newark, N. J.
Judd R. D., New Britain, Conn.
Kienzle Wm. F., 4855 N Paulina, Chicago, Ill.
Midland Co., S Milwaukee, Wis.
Milwaukee Stamping Co., W Allis, Milwaukee, Wis. *See adv index at end of book*
Nashua Saddlery Hdw. Co., Nashua, N. H.
North O. B. & Co., New Haven, Conn.
North & Judd Mfg. Co. ("Anchor Brand" Saddlery, Blankets, etc.), New Britain, Conn.
Perforated Pad Co., Woonsocket, R. I.
Racine Malleable & Wrought Iron Co., Racine, Wis.
Read O. B. Mfg. Co., Troy, N. Y.
Sargeant Mfg. Co., 79 Summit, Newark, N. J.
Shreveport Saddlery Co., Shreveport, La.
Steffens-Amberg Co., 262 Morris av, Newark, N. J.
Wallace F. J. Co., Meriden, Conn.
Waterbury Button Corporation, 831 So Main, Waterbury, Conn. *See adv index at end of book*
Whitehouse E. A. Mfg. Co. (Specialty Silver Trimmings), 44 Elm, Newark, N. J.
Williamsport Leather Goods Co. (Harness Specialties), Williamsport, Pa.
Winchester-Simmons Co., 9th & Spruce, St. Louis, Mo.
Woodhouse Wm. Chain Mfg. Co., Edgley, Bucks Co., Pa.
Wyeth Hardware & Mfg. Co., St. Joseph, Mo.

Hardware Mfrs. (Screen Door)

See Index of Contents for Specific Article Wanted

5936—Hardware Mfrs. (Stationers')

Guerin P. E. Inc. (Bronze), 21 Jane, New York
Weeks Frank A. Mfg. Co., 93 John, New York

5937—Hardware Mfrs. (Theatre Stage)

Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Clancy J. R., Syracuse, N. Y.
Flagg, Edwin H. Studios, 1633 Long Beach av, Los Angeles, Cal.
McCABE HANGER MFG. CO., 426-8 W 25th, New York

5938—Hardware Mfrs. (Trunk & Bag)

Am. Brass Novelty Co. (Lock), Grand Haven, Mich.
Am. Tube & Stamping Co., Dept. H, Bridgeport, Conn.
Corbin Cabinet Lock Co., New Britain, Conn.
Duffield & Co. (Suit Case), Derby, Conn.
Eagle Lock Co., Terryville, Conn.
Gould's M. Sons & Co., 115 Lafayette, Newark, N. J.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Havell Mfg. Co. (Trimmings), 284 Washington, Newark, N. J.
H. & A. Lock Co., 243 44th, Brooklyn, N. Y.
Milwaukee Stamping Co., W Allis, Milwaukee Wis. *See adv index at end of book*
Neumann R. Hardware Co. (Also Suit Cases), 9 St. Francis, Newark, N. J.
Parsons Specialty & Machine Works, Cortland W. 5, Philadelphia, Pa.
Richmond Pressed Metal Works, Inc., Stockton & 6th, Richmond, Va.
St. Louis Trunk Hardware Mfg. Co., St. Louis, Mo.
Sessions J. H. & Son (Malleable Iron & Steel Trimmings, etc., for Trunk Only), Bristol, Conn.
Stanley Works, New Britain, Conn.
Sutterley, G. T. Co., 1720 N 2nd, Phila., Pa.

5939—Hardware Mfrs. (Upholstery)

American Ring Co., Waterbury, Conn.
Berbecker Julius & Sons Co., Arlington Heights, Ill.
Berbecker & Rowland Mfg. Co., Waterville, Conn.
Drapery Hardware Mfg. Co., 210 13th, Long Island City, N. Y.
Foster, Merriam & Co., Meriden, Conn.
Gould-Mersereau Co., 52 W 38th, New York
Hines Pattern & Mfg. Co., 10103 Detroit av, Cleveland, Ohio
Kroder Jno. & Henry Reubel Co., Meeker av, Brooklyn, N. Y.
Newell Mfg. Co., Ogdensburg, N. Y.
Novelty Mfg. Co., Waterbury, Conn.
Turner & Seymour Mfg. Co. (Also Drapery Hardware), Torrington, Conn.
Waterbury Mfg. Co., Waterbury, Conn.
Western Newall Mfg. Co., Freeport, Ill.

Hardware Mfrs. (Wagon)

See Firms in Hardware, Carriage, with the word Wagon following their names

5939a—Hardware (Phonograph)

Grand Rapids Brass Co., Grand Rapids, Mich.
Long, Adam A. (Automatic Stops Only), Rochester, N. Y.
Mt. Vernon Die Casting Corp. (Castings), Mt. Vernon, N. Y. *See adv index at end of book*
Portland Bolt & Mfg. Co., 210 N 14th, Portland, Ore.

5939a1—Hardware (Pole Line)

Allen Iron & Steel Co., Dept. H, 3rd & Venango, Phila., Pa.
Am. Jobbers' Supply Co., 233H B'way, New York
Cameron Appliance Co. (Hangers, etc.), Everett, Mass.
Cooke Wilson Electric Supply Co. (Dirs.), Imperial Power bldg, Pittsburgh, Pa.
Galvanized Products Co., Phillipsburg, N. J.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Kortick Mfg. Co., 335 First, San Francisco, Cal.
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
Liberty Machine Co., 2857 26th, San Francisco, Cal.
St. Louis Malleable Casting Co., 7701H Conduit, St. Louis, Mo.
Western Electric Co., 463H West, New York

5939b—Hardware (Refrigerator)

Dent Hardware Co., Fullerton, Pa.
Grand Rapids Brass Co., Grand Rapids, Mich.
Hill J. T. & Son ("Hill's" Automatic Lock & Door Closer), 526 20th, Oakland, Cal.
Milwaukee Stamping Co., W Allis, Milwaukee, Wis. *See adv index at end of book*
Pacific Refrigerator Co., 431 Gough, San Francisco, Cal.

5939c—Hardware (Showcase)

Knape & Vogt Mfg. Co. ("Ideal" & "Victor"), Grand Rapids, Mich.
Reliance Hardware & Mfg. Co., 3036 W. Chicago av, Chicago, Ill.

5939d— Hardware (Special Designs)

Beehler Steel Products Co., 1447 N 13th, St. Louis, Mo.
Duffy, J. F., Jr., 563 Fulton, Chicago, Ill.
Ferro Studio Inc., 228 E 150th, New York
Stanley Works, New Britain, Conn. *See adv index at end of book*
Swett A. L. Iron Works, Medina, N. Y.
Walstad Machine Co., 1005 D, Tacoma, Wash.

5939e—Hardware (Store Fixture)

American Nickel Wks., 1415 Dayton, Chicago, Ill.
Garden City Plating & Mfg. Co., 1430H S Talman av, Chicago, Ill.
Reflector & Hardware Specialty Mfg. Co., 2235H S Western av, Chicago, Ill.
Reliance Hardware & Mfg. Co., 3036 W. Chicago av, Chicago, Ill.
Woodworkers' Hardware Mfg. Co., 1201 Cortland av, Chicago, Ill.

Hardware Trimmings (Porcelain)

See Porcelain Specialties, Electrical, Mechanical, Etc.

5940-41—Hardware (Wholesale)

The firms under this classification are Wholesalers and firms who do Local Jobbing

See also Contractors' Tools & Supplies; also Mill & Factory Supplies; also Tin Plate, Metals, etc. For Manufacturing Firms see Hardware Mfrs.; also the Specific Articles Required.

ALABAMA.

ANDALUSIA—Benson Hardware Co. (General Builders', Tools, Cabinet, Paints & Oils, etc)
ANNISTON—Alabama Hardware Co.
Anniston Hardware Co. (General & Saddlery)
BESSEMER—Long Lewis Hdw. Co.
BIRMINGHAM — Moore-Handley Hardware Co. (General)
Prowell R. Stove Co. (and Retail), 2011 3rd av
Wimberly & Thomas Hardware Co. (General Heavy & Tools)
BREWTON—Luttrell Hardware Co. (General)
ENSLEY—Byrum Hdwe. Co. (Builders)
EUFAULA—Ross Hardware Co. (General)
EUTAW—Rogers Hardware Co. (General, Builders', Tools, etc.)
EVERGREEN—Wild Bros. Hardware Co.
FLORENCE—Darby & King Hdw. Co.
HUNTSVILLE—McAnelly Hardware Co.
MOBILE — Cunningham Hardware Co. (General & Heavy)
McGowin-Lyons Hardware & Supply Co.
Turner Supply Co.
MONTGOMERY—Barnett G. W. Hardware Co. (General)
Loeb Hardware Co. (Carriage, Wagon, Saddlery & Auto Accessories)
Teague Hdwe. Co. (General & Heavy Vehicles), Commerce
Tullis-Gamble Hardware Co. (General & Heavy)
OPELIKA—Phillips-Yarmouth Hdw. Co.
Summers, Crosley & Co.
OXFORD—Burton & Co.
ROANOKE—Griffin & Satterwhite
SELMA—Bloch Bros.
Robbins Hardware Co.
Schuster Benj. J. (General, Builders' & Heavy)
Selma Hardware Co.
Tissier Hdw. Co.
TROY—Simpson C. A.
TUSCALOOSA—Allen & Jemison Co. (General)

ARIZONA.

GLOBE—Globe Hdwe. Co.
NOGALES—Marsh Geo. B. (Inc.)
Roy & Titcomb (Heavy, etc.)
PHOENIX—Arizona Hardware Supply Co.
Halsted J. D. Lumber Co.
Pratt-Gilbert Co.
Talbot & Hubbard
Thayer Ezra W.
PRESCOTT—Arizona Mine Supply Co.
Hill Samuel Hardware Co.
TUCSON—Steinfeld Albert & Co.

ARKANSAS.

FORT SMITH—Atkinson-Williams Hardware Co. (General & Heavy)
Speer Hardware Co. (General Machinery, etc)
HELENA—Ark. & Miss. Hdwe Co.
Lewis Mill Supply Co., Dept. H
McRae Wholesale Hdwe. Co.
LITTLE ROCK—Fones Bros. Hardware Co.
Mast J. W. W.
MAGNOLIA—Warnock Hardware & Furn. Co.
PARAGOULD—Meriweather W. W. & Son
PINE BLUFF—Fox Bros. Hdwe Co. (General)
ROGERS—Benton County Hardware Co.
TEXARKANA—Buhrman Pharr Hdwe Co.
Hoffman Hardware Co.

CALIFORNIA.

BAKERSFIELD—Pioneer Mercantile Co., (also Retail), 1526 20th
FRESNO—Inland Iron Co. (Heavy), 300 Santa Fe av
Kutner-Goldstein Co. (also retail), 1301 Mariposa
O'Neil W. J. & Co.
HOLTVILLE—Imperial Valley Hdwe Co.
LON BEACH— , 1500 W Anaheim
LOS ANGELES—Bennett Montgomery Hdwe. Co. (Builders), 323-27 S. San Pedro
California Hardware Co. (General, Builders & Tools), 500 E 1st
Ducommun Hardware Co., 219 S Central av
Dunning Iron Store Co. (Heavy), 475 E. 3rd
Hammond Lumber Co. (Builders), 2010 S. Alameda
Harper & Reynolds Co. (General, Heavy, etc.), 152 N Main
Hoffman Hdwe. Co. (General & Heavy also Builders' Hdw.), 229 S. Los Angeles
Holbrook, Merrill & Stetson (Stoves, Tinware, etc), 750 N Spring
Los Angeles Heavy Hdwe. Co., 213 N Los Angeles
McFie W. T. Supply Co., 213 N Los Angeles
Percival Iron Co., 232 Aliso
Scovel Iron Store Co. (Heavy), 1405 S. Main
Simmons Hardware Co., Citizens Nat'l Bk. Bldg.
Southwest Hdwe. Co. (Sporting Goods, Cutlery, General Hdwe. & Household Utensils), 335H E 3rd
Union Hardware & Metal Co., 411 E 1st
Waterhouse & Lester Co., 345 N Los Angeles
Whiting-Mead Pottery Co., 415 E. 9th
MODESTO—Turner Hardware & Implement Co.
OAKLAND—Maxwell Hdwe Co.
Western Heavy Hardware & Iron Co. (Heavy), 4th & Alice
PASADENA—Crown Hardware Co.
Pasadena Hdwe. Co.
Van Sittert Hardware So. (Builders), 33 S Raymond av
West & Co., 45 S Raymond av
PETALUMA—Schluckebier Hardware Co.
REDDING—McCormick-Saeltzer Co.
SACRAMENTO—Schaw-Batcher Co. (General and Heavy)
Thomson—Diggs Co. (General)
SAN DIEGO—Hazard-Gould Co. (Heavy)
Western Metal Supply Co.
SAN FRANCISCO—Continental Steel & Supply Co. (Heavy), 527H Howard
Cox Omer (Mfrs. Agents) 604H Mission.
Dunham Carriahan & Hayden Co. (Steamship & Electrical Supplies, Sporting Goods, Pipe, Iron, Steel, Cutlery & Household Utensils), Dept. H, Kansas & Division
General Machinery & Supply Co., 39H Stevenson
Glesener A. J. Co. (Heavy), 735 Folsom
Harron, Rickard & McCone, 139 Townsend
Heyman-Weil Co. (Household Utensils), 720 Mission
Holbrook, Merrill & Stetson (Plumbers' & Tinners', Tools, Machinery, etc.), 6th & Bluxome
Holt Bros. Co. (Heavy), 914 Folsom
Hundley E. M. (Builder) 183 Stevenson
International Sales Corp. (Heating Supplies), 557 4th, San Francisco, Cal.
Lamont & Sugden Co., 445H 2nd
Marshall, Newell Supply Co., Spear & Mission
Pike A. W. & Co. (Mfrs'. Agents, Hardware, Tools, etc.), 715 Mission
Saul E. C. (Mfrs. Agents), Monadnock bldg
Scovel Iron Store Co. (Heavy), 754 Howard
Seller Bros. & Co. (Stoves, Tinware, etc.), 14 Spear
Sloss & Brittain (Shelf, Builders', Contractors', Tools, Cutlery, Auto Accessories, Electric & Household Supplies), N W cor 10th & Howard
Smith, I. (Household Specialties), 395 Hayes
Tavares J. G. & Co., 85 2d
Tayler & Spotswood Co., 19th & Minnesota, Dept. H
Waterhouse & Lester Co. (Carriage, Blacksmiths' & Horseshoers', etc), 540 Howard
Weeks Howe Emerson Co. (Marine), 90H Market
Western Alloy & Tool Steel Co., Inc. ("Watco" Iron & Steel), 576 Bryant
Wheeler Wunder Co. (Stoves & Hardware Specialties), 787 Brannan
Wolfe Lbr. & Hdwe. Co., 2299 Folsom
SAN JOSE—San Jose Hdwe. Co.
Stock Jno. Sons
SAN PEDRO—Marine Hdwe Co.
STOCKTON—Austin Bros.

COLORADO.

ASPEN—Tomkins Lewis H. Hdwe Co.
COLORADO SPRINGS—Lowell-Meservey Hardware Co.
DENVER—Dillon Hardware Co. (Heavy & Blacksmiths' & Wagonmakers' Supplies), 1520 15th st
Moore Hardware & Iron Co. (General, Heavy, Carriage & Blacksmiths'), 1529 15th
Tritch Geo. Hardware Co. (General & Heavy), Bank bldg
GRAND JUNCTION—Biggs Kurtz Hardware Co. (Light & Heavy)
LEADVILLE—Western Hardware Co.
OURAY—Ouray Hdwe. & Supply Co.
PUEBLO—Holmes Hdwe. Co.
TELLURIDE—Tomkins-Cristy Hardware Co.
TRINIDAD—Branson & Griswold Hdwe Co.
Trinidad Hdwe. Co.

CONNECTICUT.

BRIDGEPORT—American Hdwe. Stores, Inc., Fairfield av & Middle
Bridgeport Coach Lace Co., 813 Wood av
Burritt A. W. Co., Knowlton
Chapman & Bangs Co. (Heavy & Carriage), 353 Water
Hawley Hardware Co. (Builders' & Manufacturers')
Hunter & Havens (General, Heavy, Carriage & Blacksmiths'), 239 Water
DANBURY—Danbury Hardware Co.
Hull F. A. & Son
DERBY—Hallock F. Co.
HARTFORD—Blodgett & Clapp Co. (Importers Heavy & Carriage), 1417 Main
Clapp & Treat (General & Sporting), 68 State
Cone J. H. & W. E. (Builders'), 87 Asylum
Ensworth L. L. & Son (Heavy, Mill & Carriage), 344 Front
Knoek L. S. & Co., 188 State.
Tracy, Robinson & Williams Co. (General, Tools, etc.), 78 Asylum
MERIDEN—Church & Morse (General & Heavy)
NEW BRITAIN—Abbe Hardware Co.
Rackliffe Bros. Co., Inc.
NEW HAVEN—Bronson & Townsend Co. (General), 126 State st
Bushnell N. T. Co. (General, Tools, etc.), 289 State st
Mersick C. S. & Co. (General, Heavy, Carriage, Tinners', Plumbers', Mill, etc)
NEW LONDON—Guest & Co. (Carriage, Blacksmiths' Heavy, etc)
Lyon & Ewald
Williams G. M. Co. (General & Heavy)
NORWALK—Hubbell & Staples Hdwe. Co.
NORWICH — Eaton-Chase Co. (General Mill, Electrical, etc)
Preston Bros. (General, Electrical, etc)
SEYMOUR—Seymour Commercial Co.
TORRINGTON—Hotchkiss Bros. Co. (General & Heavy)
Union Hardware Co.
WATERBURY—Hamilton Hardware Corp. (Builders)
Hotchkiss Co. Inc. (General & Heavy), Dept. H
Templeton Charles A. (Inc.) (General & Heavy)
WATERTOWN—Hitchcock Hdwe. Co.
WILLIAMATIC—Buck E. A. & Co. (Hardware Oils), Dept. H
Jordan Hardware Co. (General & Sporting)

DELAWARE.

WILMINGTON—Delaware Hardware Co. (Builders' Coach & Heavy)

DISTRICT OF COLUMBIA.

WASHINGTON—Armentrout & Sons, 1710 14th, N W
Barber & Ross, 11th & G. N. W.
Hartig, Louis, 1001 7th, N W
Kendall J. B. Co. (Coach Findings, Heavy Hardware, etc), 435 Mo. av
Lambie Jas. B. Co., 1415 N. Y. av N W
May F. P. Hdwe. Co. (Builders & Heavy), 460 C
Rudolph & West Co., 1332 New York av

FLORIDA.

BRADENTOWN—Bradentown Hardware Co.
GAINESVILLE—Baird Hardware Co. (General & Heavy)
JACKSONVILLE—Cameron & Barkley Co. (Heavy)
Chase Geo. E. & Co. (Marine), Dept. H
Florida Hardware Co. (General & Heavy, Pumps, etc.)
Jacksonville Ship Chandlery Co. (Marine), Dept. H
Hebb H. W. Supply Co. (Marine)
Hubbard S. B. Co. (General & Heavy; also Marine Hardware, House Furnishings, Cutlery, Paints, Sporting Goods, Agricultural Implements, Plumbers', etc.)
Tower Hardware Co.
KEY WEST—Key West Hdwe. Co.
LIVE OAK—Suwanne Hardware Co.
MIAMI—Budge Frank T. Co.
OCALA—Mackay Geo. & Co., Dept. H
Marion Hardware Co. (General Mill & Mining)
PENSACOLA—Avery A. M.
Ray W. A. Hardware Co.
ST. AUGUSTINE—Hamblen C. F. (General, Heavy, Saddlery, etc)
TAMPA—Knight & Wall Co. (Exporters, General & Heavy)
Tampa Hardware Co. (General)
WEST PALM BEACH—Palm Beach Mercantile Co.

GEORGIA.

ALBANY—Albany Hardware & Mill Supply Co., Dept. H, Pine & Washington
Sapp Hdware Co., 142H Broad
Steele Furniture & Hardware Co., Washington, nr Broad
AMERICUS—Harris J. W. (Stoves, Impits, etc.)
Sheffield Co. (General, Heavy, Saddlery, Agrl. Impits.)
ATHENS—Athens Hardware Co. (Inc.) (General, Heavy, Carriage, etc)
Fleming T. B. Hardware Co. (General)
ATLANTA—Beck & Gregg Hardware Co. (General, Heavy & Carriage)
Crumley-Sharp Hardware Co. (Builders' & General)
Dinkins-Davidson Hardware Co. (General, Heavy & Carriage)

King Hardware Co. (General, Tinware, etc)
AUGUSTA—Augusta Hardware Co. (Implements, etc)
Wingfield Hardware Co.
BRUNSWICK—Georgia Hardware Co.
United Supply Co.
COLUMBUS—Beach Wm. Hardware Co. (General & Heavy)
Bush C. P. Hardware Co. (General)
Methvin Hardware Co.
Philips Hardware Co.
CORDELE—Watt & Holmes Hardware Co.
DALTON—Fite Hardware Co.
DAWSON—Battle Hardware Co.
DUBLIN—Stevens Hdwe Co.
FITZGERALD—Watt & Holmes Hardware Co. (General)
GAINESVILLE—Palmour Hardware Co.
Pruitt-Barrett Hardware Co.
HAWKINSVILLE—Whitfield Hardware Co.
HELENA—Folsom & Tillman Hardware Co.
LA GRANGE—Spinks Hdwe Co.
MACON—Dunlap Hardware Co. (General, Heavy, etc)
Merritt Hardware Co. (General, Heavy, etc)
OCILLA—Watt & Holmes Hardware Co.
ROME—Griffin Centrell Hardware Co., (Inc.), (General, Tinware etc)
Nixon Hardware Co. (General)
Rome Hardware Co. (Inc.) (General, Tinware, etc)
SAVANNAH—Butler J. G. Bldg. Supply Co. (and Retail)
Neal-Blun Co. (Builders)
Peeples Hardware Co. (General)
Semmes Hardware Co. (General & Automotive Equipment, Cutlery, etc.)
Weed J. D. & Co. (Shelf & Heavy Carriage & Wagon)
SYLVESTER—Hillhouse Hardware Co.
VALDOSTA—Briggs W. H. Hardware Co.
Roberts J. E. & W. P. Hdwe Co.
Strickland-Tillman Hardware Co.
WAYCROSS—Harley P. N. Hardware Co.
Watt Hardware Co.

IDAHO.

BLACKFOOT—Neil F. Boyle & Co.
BOISE—Northrup Hardware Co. (Ltd.), (General, Heavy, etc.)
Stewart Wholesale Co.
Sweet-Teller Hdwe. Co.
CALDWELL—Cupples Mercantile Co.
LEWISTON—Erb Hdwe. Co., Ltd.
POCATELLO—Salt Lake Hdwe. Co.
WALLACE—Coeur D'Alene Hardware & Foundry Co. (General, Mining, etc)

ILLINOIS.

BLOOMINGTON—Holder Hardware Co.
Keiser-Van Leer Co. (Heavy)
CAIRO—Reed Hdwe. & Mfg. Co.
CHICAGO—Allerton-Clark Co. (Mfrs.' Agts.), 74 W Lake
Beckley-Ralston Co., 1801H S Michigan av
Biddle Purchasing Co., 208 S La Salle
Bowler T. J. Hardware Co., 305 W Randolph
Bullard & Gormley Co. (General, Cutlery, Tools, Tin Plate, Sheet Iron Metals), 54 E. Lake
Butler Bros., Rand Bridge
Carpenter, Geo. B. & Co. (Marine), 434 N Wells
See adv index at end of book
Cranston I. H. & Co. (Mfrs.' Agents), 136 W. Lake
Hibbard Spencer Bartlett & Co., ("Cruso," "Hi-Spe-Bar," "O. V. B.," "Raronoce," General Household, Cutlery Tin Plate Woodenware Paints, Oils, etc.), 303 N State, Bridge
Jones & Laughlin Steel Co. (Heavy, Railroad Supplies, Swedish Iron, etc), 440 W Lake
Kimball E. D. & Co., 159 N Market
MAZEL-REST & CO. (Machinists' Supplies, Hardware, Specialties), 1846 Grand av
Reading Hardware Co., 117 W Lake
Rehm Hardware Co., 1501 Blue Island av
Ryerson Jos. T. & Son, Inc. (Heavy Iron & Steel Sheets, Plates, Bands, Bars, Shafting Bolts, Nuts, Angles, Boilers, Mfrs.' Supplies, etc.), 2558 W. 16th *See adv index at end of book*
Sani Products Co., Sani bldg
Wilkins, Geo. H. Co., 180 N Market
DANVILLE—Conron Thos. Hdwe. Co. (Shelf)
Dowling-Schultz Hardware Co. (Shelf, Heavy, etc)
Yeomans & Shedd Hardware Co. (Shelf, Heavy, etc)
DECATUR—Morehouse & Wells Co. (General Sporting Goods, Heavy, etc.)
ELGIN—Hawthorne Hdwe. Co.
Ziegler Bros. Co.
FREEPORT—Weiss & Co.
GALENA—Millhouse Bros. & Co.
JOLIET—Barrett Hardware Co. (General & Heavy)
MENDOTA—Holland & Co.
MOLINE—Dunn Thomas & Sons
PEKIN—Velde, Roelfs & Co. (Shelf, Heavy, Carriage & Tools)
PEORIA—Clark-Smith Hardware Co. (Shelf, Builders, etc)
Cummings & Emerson (Heavy, Carriage, etc)
Walker Isaac Hardware Co. (Shelf, Builders, Sporting Goods, etc)
QUINCY—Gunther Hardware Co.
Tenk Hardware Co. (General, Heavy, Cutlery, Auto Accessories, etc)
ROCKFORD—Ray, Wharton H'dware Co.
ROCK ISLAND—Rock Island Hardware Co. (General & Heavy)
SPRINGFIELD—Miller W. B. & Son (Retail, Builders, General, etc)
STREATOR—Williams Hdwe. Co. (General) 113H Vermillion
URBANA—Hall Chas. A. Hdwe Co.

INDIANA.

BLUFFTON—Williamson Hardware Co.
COLUMBUS—Schwartzkopf's J. G. Sons
CRAWFORDSVILLE — Crawfordsville Hardware Co. (General)
ELKHART—Borneman & Sons
EVANSVILLE—Boetticher & Kellogg Co. (Shelf Hardware), 1 Fulton av
Bush E. M. Hardware Co. (Shelf), 508 Main
Clifford Hardware Co. (Shelf)
Orr Iron Co. (Heavy, Blacksmiths, Carriage & Wagon, etc)
FORT WAYNE—Fort Wayne Iron Store Co. (Carriage, Wagon & Heavy)
Mossman, Yarnelle & Co. (Heavy & Carriage)
Pfeiffer Henry & Son Co.
Schlatter C. C. & Co. (General Builders', Mill, etc)
GARY—People's Hardware Co.
GOSHEN—Hawks Hardware Co. (General)
HUNTINGTON — Reichenbach - Wickenhiser Co.
INDIANAPOLIS — Buschmann August & Sons, Buschmann bldg
Holliday W. J. & Co. (Heavy, Iron & Steel), 1512 N. Meridian
Lilly Hardware Co., 114 E Washington
Standard Metal Co. (Tin Plate, Sheet Iron, etc.), 135 S Pennsylvania
Tanner & Co., 409 S Penn
Van Camp Hardware & Iron Co. (General, Heavy, Carriage & Wagon, etc.), 401 W Maryland
Vonnegut Hardware Co. (Builders', Cabinet, Heavy, etc.), 120 E Washington
KOKOMO—Armstrong Landon Co.
Kokomo Hardware Co.
LAFAYETTE—Bahls H. M. Hdwe. Co. (Carriage), 200 Main
Reule Fred Inc. (Builders)
Shipley Hardware Co. (General, Stoves, Tinware, etc.)
LOGANSPORT—Ullery S. W. & Son
MARION—Marion Hardware Co.
MICHIGAN CITY—Bartholomew Co.
Staiger Hardware Co.
MUNCIE—Kimbrough Hardware Co.
NORTH VERNON—Tripp Fred H. Hdwe. Co. (Heavy & General Farm Machinery)
RICHMOND—Jones Hardware Co. (General, Agricultural Implements, etc)
Miller Bros. Hardware Co. (Cutlery, Fencing, Sporting Goods, Tinware, etc)
SOUTH BEND—Sibley Hdwe. Co.
TERRE HAUTE—Austin Hardware Co.
Terre Haute Heavy Hardware Co.
VINCENNES—Salter-Morgan Co.

IOWA.

ACKLEY—Carstens Bros., Dept. H
BURLINGTON—Burlington Iron Store Co. (Heavy)
Donahue Robert Iron & Hardware Co. (Heavy, Blacksmiths', Carriage, etc).
Drake Hardware Co. (General)
CEDAR RAPIDS— Larimer E. K. Hardware Co. (Heavy)
CLINTON—Armstrong C. E. & Sons (General)
COUNCIL BLUFFS—Empkie-Shugart-Hill Co. (General Shelf, Builders', Sporting Goods, etc)
DAVENPORT — Hanssen's Louis Sons (Hardware)
Sickels & Preston Co. (General, Builders, etc.)
Sieg Co. (Heavy, Carriage & Wagon Materials; also Agr'l Impl. Specialties)
DES MOINES—Brown-Camp Hardware Co. (General, Shelf, Builders', Sporting Goods, etc)
Des Moines Iron Co. (Heavy, Carriage, etc)
Kurtz L. H. Co.
Luthe Hardware Co. (General, Shelf, Builders, etc)
DUBUQUE—Ernsdorff John Iron Co. (Heavy, Carriage, etc)
Tredway A. & Sons Hardware Co. (General, Heavy, Cutlery, etc)
FORT DODGE—Prusia Hardware Co. (General, Shelf, etc)
KEOKUK—Weber A. Co. (General, Heavy, etc),
LAKE MILLS—Styve Bros.
MARSHALLTOWN—Abbott & Son
MASON CITY—Currie-Van Ness Co.
MUSCATINE—Fuller & Hiller Hdwe. Co.
OTTUMWA—Hand B. A. Co. (General, Heavy, Miners, etc.)
Harper & McIntire Co. (General, Stoves, Cutlery, etc.)
Haw Hardware Co.
SIOUX CITY—Knapp & Spencer Co. (General, Stoves, Ranges, Heaters, etc.)
Sioux City Iron Co. (Heavy)
WATERLOO—Cutler Hardware Co. (General, Shelf, Builders' & Sporting Goods)

KANSAS.

ATCHISON—Atchison Saddlery Co. (Saddlery)
Blish, Mize & Silliman Hardware Co. (Shelf & General)
Harwi A. J. Hardware Co. (General, Sporting Goods, etc)
Klestermeier Bros. Hardware Co.
EMPORIA—Haynes Hdwe Co.
FORT SCOTT—Penniman A. C. & Son
LAWRENCE—Achning Chas. J.
LEAVENWORTH—Crancer Hardware Co. (General Tinners', Harness, Cutlery, Sporting Goods, etc)
PITTSBURG—Deruy Hdwe. Co.
SALINA—Lee Hardware Co. (General & Heavy)
TOPEKA—Krauss, O., & Sons (Saddlery)
Thompson W. A. L. Hardware Co. (Shelf & Heavy)
WICHITA—Massey Hardware Co. (Heavy Blacksmiths' Implement, etc.),
Morton-Simmons Hardware Co.
Motor Equipment Co. (Heavy)
United Electric Co. (Electrical Supplies)

KENTUCKY.

ASHLAND—Watson Hdwe. Co.
Williamson Ben & Co.
EDDYVILLE—Kentucky Whip & Collar Co.
HENDERSON—Blackwell P. A. & Co. (General)
Lambert-Grisham Hardware Co.
HOPKINSVILLE—Forbes Mfg. Co. (General, Tinware, etc)
LEXINGTON—Van Deren Hardware Co. (General & Heavy)
LOUISVILLE—Belknap Hardware & Mfg. Co. (General, Heavy, Carriage, Saddlery)
Dehler Bros. Co., 116H E Market
Fulton, Conway & Co. (Wagon & Carriage Makers' Tools, Supplies & Hardware, Wire Nails, etc.)
Hidden Otis Co. (Cabinet)
Louisville Tin & Stove Co.
Robinson Bros. & Co. (General, Cutlery, Saddlery, Guns, Agricultural Implements, Paints, etc)
Stratton & Terstegge Co. (General Stoves, Tinware, Tinners' Supplies, Woodenware, Roofing, etc.)
MIDDLESBORO—Kentucky Mine Supply Co.
OWENSBORO—Guenther Hardware Co. (General, Heavy & Carriage Railroad)
Turley T. J. Co.
PADUCAH—Hank Bros. (General)
Michael M. & Bro.
PAINTSVILLE—Big Sandy Hdw. Co. (Gen'l)

LOUISIANA.

ALEXANDRIA—Brown-Roberts Hdwe & Supply Co. (Ltd.)
BATON ROUGE—Doherty Hardware Co., Ltd. (General, Cordage, etc)
Fuqua Hardware Co. (General)
CROWLEY—Thomson-Reiber Implement Co.
LA FAYETTE—Lacoste Hardware Co., Ltd.
LAKE CHARLES—Murray-Brooks Hardware Co. (Ltd.)
MONROE—Monroe Hardware Co., Ltd. (General)
NEW ORLEANS—Baldwin A. & Co., Ltd. (General, Heavy Stove, Machinery, Mill Supplies, Agri. Implts., Crockery, etc), Camp & Common
Globe Supply & Machinery Co., 627 S. Peters
Pitard R. D. Hdwe. Co. (General, Paints, Wallpaper, etc), 115H Chartres
Redmond B. V. & Son (Specialties, Stoves, Roofing, Tinners' Supplies, Metals & Tool Jobbers), 309H Decatur
Rowan P. P. Co., Ltd., 920 Perdido
Saxton Hardware Co., Inc., 1031 Canal
Schwartz Jos. Co., Ltd., 548 Baronne
Standard Supply & Hwe. Co., 828H Tchoupitoulas
Stauffer, Eshleman & Co. (Ltd.), (General, Heavy, Stoves, Cutlery, Fire Arms, etc.), 511 Canal
United Hdwe. Co., Ltd., 336 S. Rampart
Woodward, Wight & Co. (Ltd.) (General, Heavy, Mill Supplies, Ship, Chandlery, etc), Howard av & Constance
RUSTON—Ruston Hdwe. & Furn. Co., Ltd.
SHREVEPORT—Buckelew Hardware Co.
Lee Hardware Co., Ltd. (General Cutlery, Stoves, Glassware, etc.)
Thomas-Ogilvie Hardware Co., Ltd. (Handle, General, etc)
THIBODAUX—Planters' Hardware & Mill Supply Co., Ltd. (General, Heavy, Cutlery, Mill Supplies, etc)

MAINE.

AUGUSTA—Brooks Hardware Co.
BANGOR—Bragg N. H. & Sons (Heavy, Carriage, etc)
Haynes & Chalmers Co. (General, Heavy, Saddlery, etc)
Rice & Miller Co. (General, Explosives, etc.)

(Continued on following page)

Hardware (Wholesale)—Continued

MAINE—Continued

BATH—Johnson Bros. Co. (General, Heavy, Ship Chandlery)
BRUNSWICK—Eaton Hardware Co. (General)
EASTPORT—Wadsworth S. L. & Son
FT. FAIRFIELD—Cary L. E. Co.
HOULTON—Fogg Almon H. Co.
Watson Jonn & Co. (General, Cutlery, Agr'l Impl'ts, etc)
LEWISTON—Hall & Knight Hardware Co. (General Plumbers', Pipe, etc)
PORTLAND—Corey E. & Co. (Heavy, Wagonmakers', Blacksmiths' & Lumbermen's Supplies), 65 W. Commercial
Edwards & Walker Co. (General & Heavy), 5H Monument sq
Emery-Waterhouse Co. (General & Heavy), 143 Middle
King & Dexter (Retail, General & Builders), 11H Monument sq
Talbot, Brooks & Ayer
ROCKLAND—Crie H. H. & Co. (General)

MARYLAND.

BALTIMORE—Adams J. R. M., Eutaw & Franklin
Anderson & Ireland Co. (General), 111 Light
Carlin & Fulton Co., 309 W Redwood
Cole W. H. & Sons (General, Heavy, Cutlery, Explosives, Contractors' & Electrical Supplies), 40 S Charles
Conway Wm. A., 626 Forrest
Duer Jno. & Sons (Cabinet), 36 S Charles
Duke Peterson Hardware Co. (General, Heavy, Cutlery & Fire Arms), 113 W Redwood
Eastern Hardware Supply & Equipment Co., Lombard & Charles
Edmunds W. C. & Co., 34 Charles
Galloway, James Co., 121 W Pratt
Keidel Henry & Co. (Shelf, Heavy, etc) 405 W Redwood
Lyon, Conklin & Co., Inc., Race & McComas
MacCarthy & Harper, 345 N Calvert
Neily Joseph W. (Marine), 121 South
Norris R. W. & Sons, 342 N Gay
Payne E. Scott Co., 362 N Gay
Taylor Supply Co., 937 Fell
Walker Jas. C. (Marine), 123 Light
Whiting W. H. & Co. (Marine), 428 E Pratt
Wilcox Louis N. & Son, 414 N Gay
CUMBERLAND—Wilson & Pugh (General, Mining & Mill Supplies)
FREDERICK—Hargett P. L. & Co.
Quynn Allen G. & Co.
HAGERSTOWN—Shundel Rohrer & Co., 28H S Potomac av
SALISBURY—Dorman & Smyth Hardware Co.
Gunby L. W. Co. (General, Machinery, etc)

MASSACHUSETTS.

BOSTON—Atlantic Coast Hdw. Co., 169-A.
Austin & Doten, 102 North
Bay State Hardware Co. (All Kinds of Hardware, Cutlery, Auto Supplies, Paints, Oils & Varnishes), 1325 Washington
Berman Samuel, 14 Portland
Bigelow & Dowse Co. (General, Heavy, Builders', Machinists', Mine, Skates, Cutlery, Household, etc), 229 Franklin
Breck Jos. & Sons Corp'n (Implements & Poultry), 55 Franklin
Brown-Wales Co. (Heavy) C. So. Boston
Burditt & Williams Co. (General & Builders'), 95 Summer
Butts & Ordway Co. (Heavy & Carriage), 33 Purchase
Chandler & Barber Co. (Tools, Cutlery & Builder's), 124 Summer
Chandler & Farquhar Co. (Machinists' & Mechanics' Tools & Supplies), 250 Devonshire
Chase, Parker & Co. (Heavy, Carriage, etc.), 81 Pearl
Dame, Stoddard Co. (Cutlery, etc), 374 Washington
Davis S. H. Co. (General & Builders'), 68 Portland
Dodge Haley Co. (Heavy), 218 High
Fitz Dana & Co., 110 North
Hardware Agency Co. (Mfrs' Agents), Builders'), 169 High
Harvey Arthur C. Co. (Heavy), 506 Cambridge, Allston Dist.
Herrick Co. (Heavy, Metal), 49 Broad
Morss A. S. Co., 132 Federal
Proctor, S. Eugene Co., 158 State
Richards & Co., 200 Causeway
Sanderson E. P. Co. (Heavy), Third E. Cambridge.
Wilkinson A. J. & Co. (General, Tool Steel, Tools, Sheet Brass, Rods & Wire), 184 Washington
CAMBRIDGE—Central Square Hardware Co.
Sanderson E. P. Co. (Heavy)
DORCHESTER—Mass. Wholesale Hdwe. Corp., 50H Ceylon
FALL RIVER—Congdon, Carpenter & Co. (Heavy, Carriage & Blacksmiths)
Neill J. O. Hardware Co. (Builders Only)
FITCHBURG—Fitchburg Hardware Co. (General & Heavy, Agr'l Tools, etc)
GREENFIELD—Webster F. I. Co.
HAVERHILL—Hanscom Hardware Co. (General, Blacksmiths', etc)
HOLYOKE—Russell J. & Co. (Heavy & Builders)
Wells Hardware Co.
LAWRENCE—Treat Hardware & Supply Co. (Mill Supplies)
LOWELL—Bartlett & Dow Co. (General & Agricultural Tools)
Thompson Hardware Co. (Builders', Cutlery)
LYNN—Hutchinson Hardware Co. (General), 49 Monroe
MIDDLEBORO—Pierce Thos W. Hardware Co.
NATICK—Fiske Corp.
NEW BEDFORD—Butler Wm. P. & Sons (General, Tinware, Cutlery, Tool)
Slocum & Kilburn, Dept. H
NORTH ADAMS—Burlingame & Darbys Co. (General & Heavy)
PALMER—Buck E. A. & Co.
PITTSFIELD—Barris-Goewey Co.
Berkshire Hardware Co.
Peirson Hardware Co. (General)
SPRINGFIELD — Carlisle Hardware Co., 324 Main
Law J. Douglas Co., 203 Worthington
Lewis Charles C. Co. (Carriage & Heavy)
TAUNTON—Pierce Hardware Co.
WESTFIELD—Bryan Hardware Co.
WORCESTER—Blake Geo. F. Jr. & Co., (Heavy, Carriage, etc.), 198 Mechanic
Brierly-Lombard Co., 663 Main
Duncan & Goodell Co. (General, Cutlery, Tools, etc.), 404 Main
Pratt & Inman (Heavy Iron & Steel, etc.), 12 Cherry
Ross Bros. Co. (General Agricultural Tools, etc)

MICHIGAN.

ALPENA—Young Benjamin R. Hdwe. Co.
BATTLE CREEK—Bock-Walker Co.
BAY CITY—Bay City Hardware Co.
Jennison Hardware Co. (General & Heavy)
CALUMET—Carlton Hardware Co.
Keckonen Hardware Co.
DETROIT—Booms John & Co. (Heavy Hardware), 681 Monroe av
Buhl Sons Co. (Heavy, Shelf, Builders' Cutlery, Tin Plate Metals, Iron & Steel, etc.), 103 Woodbridge W.
Gregg Hardware Co., 124 Cadillac sq
Rayl T. B. Co. (General House Furnishings, etc.), 236H W Congress
Roehm & Davison (Heavy & Carriage), 93 Woodbridge av
Standard Bros. Hardware Corp. (General), 501 Jefferson av
ESCANABA—Delta Hardware Co. (General & Heavy)
Escanaba Hardware Co.
FLINT—Hubbard Geo. W. Hardware Co. (Heavy, etc)
GRAND RAPIDS—Foster, Stevens & Co. (General, Heavy, Sporting Goods)
Gleye Hardware Co.
Hall Sherwood Co. (Saddlery, Carriages & Auto Accessories)
Kutsche C. H.
Michigan Hardware Co.
Van Bree Arie Sons
HOUGHTON—Portage Lake Hardware Co. (Ltd.)
Swift I. E. Co. (General & Heavy)
ISHPEMING—Consolidated Fuel & Lbr. Co
JACKSON—Smith-Winchester Co. (General, Heavy, Carriage, etc)
KALAMAZOO—Edwards & Chamberlain Hardware Co. (General, Heavy & Carriage)
LANSING—Van Derhoort Hdwe. Co., 118 E. Michigan
MANISTEE—Vincent-Wolters Co.
MARQUETTE—Manhard M. R. & Son, Ltd. (General & Heavy)
Neidhart B. & Co.
MENOMINEE—Northern Hardware & Supply Co. (General, Heavy, Tools, etc)
MONROE—Steiner's Wm. Sons (General, Heavy, etc)
MUSKEGON—Towner Hdwe. Co.
PETOSKEY—Bremmeyer & Bain Co.
PORT HURON—Beard, Campbell & Co. (General, Heavy, Carriage, etc)
Boyce Hardware Co. (General, Heavy, Tinware, etc)
SAGINAW—Morley Bros. (General, Heavy, Saddlery, Carriage, etc)
Popp & Wolf Hardware Co. (Wall Paper)
Saginaw Hardware Co. (General, Heavy, etc)
SAULT SAINTE MARIE—Soo Hardware Co. (General & Heavy)

MINNESOTA.

DULUTH — Kelley - How - Thomson Co. (General, Heavy, etc.)
Marshall-Wells Co., (All Lines in Steel & Iron)
Northern Hardware Co.
MINNEAPOLIS—Butler Bros., 6th & 1st av N
Derickson G. P. Co. (Cabinet), 23 S 4th
Gardner Hardware Co., 304 Henn av
Gopher Hardware Co., 212-214 N 1st
Hall Hardware Co., 517 N 3d
Hudson Mfg. Co. (Thresher Supplies), 324 3d av N
Janney, Semple, Hill & Co. (General, Cutlery, Shelf & Heavy, Plumbers', Tinware, Sheet Metal, Firearms, Cordage, Rope, etc), 1st av & Second
Minneapolis Iron Store Co. (Heavy, Blacksmiths' Automotive, Wagonmakers, Machinists' Tools & Supplies), 512 Washington av N
Simmons Hardware Co. (General, Farming Tools, etc), 4th & 2d av N
Warner Hardware Co. (Builders' Hdwe., Tools, Paints, Cutlery, Sporting Goods, Auto Accessories, Mill Supplies & Electrical Appliances), 13 S 6th
Williams Hardware Co. (Heavy, Wagonmakers' & Blacksmiths' Supplies), 100 Second av N
ST. PAUL—Decker Adam Hardware Co. (General, Tinners' Supplies, Cutlery, etc), 347 Jackson
Farwell, Ozmun, Kirk & Co. (General, Tinners' Tools & Supplies, Butchers' Tools & Supplies, Builders', Household, Saddlery, etc.)
Hackett-Gates Hurty Co. (General, Builders' Tools, Tinners' Stock, Cutlery, Shelf, Wagon & Saddlery, etc), Fourth & Rosabel
Nicols, Dean & Gregg (Heavy, Iron, Steel, Automobile Sundries, etc), 8th & Sibley
Robinson, Cary & Sands Co., 4th & Wasonta
Russell-Newman Supply Co. (Steel Sheets, Nails, Wire Products, Machinery, etc.), Hampden av & Charles
STILLWATER—Stillwater Hardware Co.
WINONA—Cone R. D. Co. (General)

MISSISSIPPI.

ABERDEEN—Lann & Carter Hardware Co. (General)
Hill Hardware Co.
COLUMBIA—Hill Hardware Co.
GREENVILLE—Geise Mann Hardware Co.
GREENWOOD—Henderson & Baird Hardware Co. (General & Heavy)
HATTIESBURG—Hawkins Hardware Co.
JACKSON—Addikson & Bauer
McCleland Thos. Hardware Co.
MERIDIAN—Melton Hardware Co. (General, Cutlery, etc)
NATCHEZ—Baker & McDowell Hardware Co. (General, Agri. Implts., Crockery, etc)
Feltus Bros.
Schwartz & Stewart (General Agri. Implts., etc)
VICKSBURG—Wright Bros. Hdwe. Co. (General)
YAZOO CITY—Crane-Hamel Hardware Co. (General)
Yazoo Hardware Co. (General & Heavy)

MISSOURI.

DE SOTO—Slawson A. F.
DEXTER—Miller Carter Merc. Co.
JOPLIN—Joplin Hardware Co.
KANSAS CITY—Bonniwell-Calvin Iron Co. (Carriage & Wagon Materials, Iron & Steel, etc.), 1205 W 10th
Bunting Hardware Co. (Builders'), 810 Walnut
Brunner H. J. Hdwe. & Machine Supply Co., 1512 Grand av
Faeth Iron Co. (Carriage & Wagon Materials, Iron & Steel), 1125 W 8th
Pierce Co. (Silo Roofs, etc.), 930 Wyandotte st
Richards & Conover Hardware Co. (General, Heavy & Sporting Goods, etc.), 5th N W cor. Wyandotte
Wengert Hardware Co., 1221 Grand av
NEOSHA—Briggs Hardware Co. (General & Heavy)
ST. JOSEPH—Ross Frazer Iron Co. (Heavy, carriage & wagon material, etc.)
Wyeth Hardware & Mfg. Co. (General, Heavy & Saddlers', Sporting Goods, Cutlery, etc)
ST. LOUIS—Campbell Iron Co. (Heavy), Cass av, bet. 8th & 9th
Geller, Ward & Hasner Hardware Co. (General, Tinware, etc.), 414 N 4th
Handlan-Buck Mfg. Co. (Foundry, Machine Shop, etc.), 210 N 3d
Rubelman G. A. Hardware Co. (Cabinet) 907 N 6th
Rubelmann-Lucas Hardware Co. (Cabinet, Heavy, Carriage & Wagon Material), 1939 N B'way
St. Louis Iron Store Co. (Heavy, Carriage & Wagon Materials), 700 Cass av
Schroeter Bros. Hardware Co. (Builders'), 717 Wash. av
Shapleigh Hardware Co. (General Cutlery, Household, Sporting Goods, Carriage & Wagon Materials, etc), 4th & Washington av
Sligo Iron Store Co. (Iron & Steel, Carriage, Wagon, etc), 6th & O'Fallon
Standard Stamping Co. (Sheet Metal Goods), B'way & Chambers

Winchester-Simmons Co. (General Builders, Farming Tools, Cutlery, Household, Toys, Stoves & Ranges, Tinners' Tools and Supplies, Metal Roofing, Paint, Oils, Automobile Supplies, etc.) 9th & Spruce
Witte Hardware Co., 706 N 3d
SPRINGFIELD—McGregor-Noe Hardware Co. (General, Builders' Heavy Carriage & Wagon Material, Sporting Goods & Implements)
Rogers & Baldwin Hardware Co. (General Builders', Heavy, Carriage & Wagon Material, Sporting Goods, Implements, etc)

MONTANA.

ANACONDA—Anaconda Copper Mining Co. (General, Heavy & Mining)
Stagg J. P.
Coy, H. G. Hardware & Implement Co. (& Harness)
BILLINGS—Billings Hardware Co. (General & Heavy)
BUTTE—Anaconda Copper Mining Co.
Montana Hardware Co. (General, Heavy & Mining)
GREAT FALLS—Murphy-McClay Hardware Co. (General, Heavy, Carriage, etc)
Northern Hardware Co.
HELENA—Helena Hardware Co. (General)
Holter Hdwe. Co.
KALISPELL—Kalispell Mercantile Co.
LEWISTOWN—Montana Hardware Co.
MISSOULA—Missoula Mercantile Co. (General)

NEBRASKA.

ALLIANCE — Newberry Hardware Co. (Implements & Harness)
GRAND ISLAND—McAllister R. H. Co.
HASTINGS—Lawson C. K. Hardware Co.
McGrath J. H. Hardware Co.
LAUREL—Johnson, Evers & Co.
LINCOLN—Henkle & Joyce Hardware Co. (General)
OMAHA—Johnson Hdwe. Co., 1217 Farnam
Morton Jas. & Son Co. (Packing House Ice Tools & Builders', Shelf Hardware, etc)
Paxton & Gallagher Co. (General, Builders', Shelf, Harness, Sporting Goods, etc)
Rogers Milton & Sons Co., 1515 Harney
Wright & Wilhelmy Co. (General, Builders', Shelf, Harness, Sporting Goods, etc)

NEW HAMPSHIRE.

CONCORD—Thompson & Hoague Co. (General, Heavy, Carriage, etc)
DOVER—Seavey, J. Herbert.
MANCHESTER — Manchester Hardware Co. (General & Heavy)
Varick John B. Co. (General, Heavy, Carriage, etc)
NASHUA—Hill Hdwe. & Paint Co.

NEW JERSEY.

ATLANTIC CITY—Chelsea Hdwe. Co.
Currie Co.
CAMDEN—Cox Elmer E., 8th & Pine
DOVER—Berry S. H. Hardware Co.
ELIZABETH—Elizabeth Hardware Co. (General)
JERSEY CITY—Gibson Ernst A. Co. (Heavy), 27 Montgomery
MORRISTOWN—Phillips A. G. & Son
NEWARK—Abrasive Machine Co. (Abrasive Materials), 22H Prospect
American Marine Supply Co. (Marine), 260 Market
Banister & Pollard Co. (Dirs.), 206 Market
Birkenmeier & Kuhn Co., 529 Clinton av
Crane & Milligan 54 Mechanic
Foster Bros., 293 Market
Ironbound Hardware & Supply House, 228 Ferry
Jones & Auerbacher, Inc., 24 Mechanic
Ludlow & Squier, 97 Market
Muller & Seitel, 258 Springfield av
Rising & Thorne, 475 Broad
Seither & Ellis, 61 Mechanic
Stulz-Sickles Co., 121 Lafayette (Contractors)
NEW BRUNSWICK—Strong Hardware Co., Dept. H
Weigel Philip, Jr.
PASSAIC—Barto A. R. & Co., 195-197 Jefferson
Mills H. W. & Co. (Builders' Mill, Factory & Plumbers), 218 Washington pl
New Jersey Engineering & Supply Co.
PATERSON—Cleveland J. W. Hardware Co. (General, Builders' & Grocers' Supplies), 81 Broadway
Doremus John T. Co. (General & Blacksmiths & Wheelwrights' Supplies), 66 Washington
Mills H. W. & Co. (Biulders', Mill Factory & Plumbers), Dept. H
Myers Geo. A. & Co. (Builders', Mill, Factory & Plumbers' Supplies), 63 Washington
Van Winkle J. A. Co. (General & Heavy), 168 Main
TRENTON—Cramer & Allen, Broad & Center
Shick, Charles & Co. (Heavy)
Trenton Hardware Co., 35 E State

NEW MEXICO.

ALBUQUERQUE—Korber J. & Co. (Vehicles, Harness, Hdwe. & Implts.)
Mead Hardware Co.
RATON—Hobbs Hardware Co.
ROSWELL—Roswell Hardware Co.
SILVER CITY—Cox W. S.

NEW YORK.

ALBANY—Albany Hardware & Iron Co. (General, Heavy, etc)
Scott-Voelker Hardware Co., 93 N Pearl
Wing R. B. & Son (Marine & Heavy), 386 B'way
Woodward Co. (Carriage, Wagon, Saddlery, etc)
ALBION—Waterman Store
AMSTERDAM—Larrabee John E. Co. (General & Heavy)
AUBURN—Herron P. M. Hdwe. Co., 84 Genesee
Smith & Pearson, Dept. H
BATH—Peck Geo. W. Co.
BINGHAMTON—Babcock, Hinds & Underwood (General & Heavy)
Crocker & Ogden Co. (General, Heavy, Carriage, etc)
Kingsley L. J. Co.
BUFFALO — Beals, McCarthy & Rogers (General, Heavy, Carriagemakers' Mill & Factory Supplies, Iron & Steel, etc.), 44 Terrace
Bergman W. Hardware Co., 44 Genesee
Buffalo Wholesale Hardware Co. (General & Heavy), 317 Washington
Capewell Horse Nail Co., 11 Ellicott sq.
Enos & Sanderson, 145 Bushnell
Neal R. C. Co. Inc. (Small Tools, Drills, Taps, Dies, etc.), 76 Pearl
Taylor H. D. Co. (Heavy & Carriage, Trimmings), 103 Oak
Walbridge & Co. (General & Household Heavy, Builders', etc.), 392 Main
Weed & Co. (General, Heavy, Cutlery, Tools, Railway & Shop Supplies, Silverware etc), 95 Swan
CANANDAIGUA—Peck Hardware Co.
COHOCTON—Peck & Peck Hardware Co.
ELLENVILLE—Du Bois L. & Co.
ELMIRA—Barker, Rose & Clinton Co. (General & Heavy)
Booth Irving D., Inc. (Heavy)
Gridley-Fuhrman Martin Co.
Peck Geo. W. Co.
GLENS FALLS—De Long & Son
Sawyer J. E. & Co.
GLOVERSVILLE—Batcheller E. S. & Co.
Durkee E. L. & Co.
GOUVENEUR—McDonald Robinson Inc. (Stove Repairs), 33H Main
HORNELL—Peck Frank B. Co. (General)
HUDSON—Kingman Hardware Co., H Warren
Rogerson J. S. & Co.
ITHACA—Driscoll Bros. & Co. (Builders' Hardware)
Rumsey C. J. & Co.
Treman, King & Co. (General)
JAMESTOWN—Clark Hardware Co. (General Mill Supplies)
Jamestown Hdwe. Co. (Builders' & Shelf)
Lundquist C. A. & Co.
KINGSTON—Hasbrouck Conrad E.
Johnson J. T. (General & Heavy)
Winne L. S. & Co. (General, Blacksmiths', etc)
LITTLE FALLS—Burney Bros., H, Main
LOCKPORT—Morris Hardware Co.
MALONE—Malone Hardware Co.
Thompson H. D. & Co. (Heavy, Saddlery, etc)
NEWBURGH—Lawson Hardware Co.

NEW YORK CITY.

Borough of Brooklyn

BROOKLYN—Eagle Hdwe. Co., 1162 Fulton
Kasper & Koetzle Hdwe. Co., Inc., 565 Bushwick
Kiley Thos. W. & Co., 57 Grand

Boroughs of Manhattan and Bronx.

NEW YORK—Alder Benj. S. Co. (Mfrs.' Agents & Exporters), 45 Warren
Anaconda Copper Mining Co., 25 B'way
Arrow Hdwe. Corp., 214 Fulton
Bettes & Ebsen (Tools), 152 Chambers
Biddle Purchasing Co. (Purchasing Agents & Commission Buyers), 105 Chambers
Blumberg W L. & Co., 31 Warren
Boker Cutlery & Hdwe. Co., Inc. (Importers of Hardware, Cutlery, etc.), 101 Duane
Brandt & Haag Inc., 65H Vesey
Braunfels, Browning & Co., 1940 Park av
Brombacher A. F. & Co., 31 Fulton
Brower Roy L. Corp., 86 Front
Burger & Baumgard (Cutlery, etc) (Jobbers & Exporters), 88 White
Butler Bros., 495 B'way
Carter R. K. & Co. (Purchasing Agents & Commission Buyers), 66 Reade
Charyn Al., 430 W. Broadway
Droescher S. R. (Importer of Razor Hones, Cutlery & Hardware Specialties), 79 Warren
Dunham, Carrigan & Hayden Co. (General, Heavy, Railway, Steamship, Brass Goods, etc), 127 Duane
Duryee Peter & Co. (Jobbers & Retailers of General Hardware), 66 Vesey
Empire Hdwe. Co. (Stove Specialties), 274 W B'way
Federal Hardware Co., 447 Greenwich
Field Alfred & Co. (Importers & Exporters) (Cutlery, Guns, Anvils, Chains, etc), 93 Chambers
Folsom H. & D. Arms Co., 314 B'way
Frank Henry Jr., 374 Hudson
Fuller Bros. Co., 347 Madison av
General Hardware Co., 46 Lispenard
Gerstner A. W. Co., 634 8th av
Gifford Jno. A. & Son (Exporters & Importers of Carriage Hardware & Supplies), 252 Greenwich
Goldenblum Wm. & Co., 17 Murray
Graef & Schmidt (Importers & Exporters of Cutlery), 107 Chambers
Graham Jno. H. & Co. (Mfrs. & Mfrs'. Agents & Exporters of Hardware, Tools & Specialties), 113 Chambers
Grant Pulley & Hardware Co., 101 Park av., New York.
Green G. S. Co. (Heavy), 74 Warren
Grob Hardware Corp., 36 Murray
Hamilton Hdwe. Co., 74 Cortlandt
Hammacher, Schlemmer & Co. (Cabinet, etc), 133 4th av.
Hansen, Yorke, Inc., 81 Warren
Hardware House of Am. Inc., 78 Warren
Harmon & Dixon (Mfrs.' Agents) Hardware & Specialties), 42 Broadway
Harry L. C. Co. (Heavy & Ship), 114 Liberty
Hemphill A. J. Co. Inc., 161 Washington
Hendricks & Class (Mfrs.' Agents (Heavy & Marine, Tools, Ship Chandlery, Railway & Dock Builders' Supplies, etc), 30 Church
Jacobus Wm. H. (Mfrs.' Agent) (Builders & General, Specialties), 79 Walker
Kleine Wm. E. & Co. (Wagon & Carriage Materials), 135 Bleecker
LARKIN J. K. & CO. (Nails, etc.), 253 Broadway
See adv index at end of book
Lockwood Co. (Builders & Shelf Hardware), 16 Reade
McCarty J. C. & Co. (Mfrs.' Agents) (General & Blacksmiths', Machinists & Garden Tools, etc), 29 Murray
MANNING, MAXWELL & MOORE, INC. (General), 100 E. 42nd
See adv index at end of book
Markt & Hammacher Co. (Importers & Jobbers, House Furnishing Goods & Hardware Specialties), 194 West
Masbach Hardware Co. (General, etc), 84 Warren
Montgomery & Co. (Tools & Supplies for Machinists, Railroads, Mills, Contractors, etc.), 64 Reade
Mooney Douglas & Pearson, 57 Murray
Murray Robert (Screws, Shovels, Hoes, etc), 35 Warren
Neal B. B. Hardware Co., 235 Canal st
Neal & Brinker Co. (General, etc.), 78 Duane st
Oliver Bros. (Syndicate Purchasing Agents) (General & Heavy, Plumbers' Supplies, etc), 71 Murray
Paragon Electric Co., 446 7th av
Patterson Bros., 27 Park row
Patterson & Harral (Cutlery, House Furnishing, etc), 83 White
Peck & Mack Co. (Importers & Exporters & Manufacturers' Agents) (General), 452 Broadway
Petroleum Supply Co. (Oil Well Supply), 25 W 43rd
Pruden W. E. Hardware Co., 253 W 52nd
Rouss C. B., 549 Broadway
Sargent & Co., 94 Centre
Schaper Construction Material Co., 90 West.
Sharlow Bros. Co., 442 W 42nd
Shepard Edw. G. (Mfrs.' Agents) (Builders' & General), 103 Chambers
Sickels-Loden Co., 56 Murray
Simmons Hardware Co. (Buying Office for St. Louis, Mo.), 17 Battery pl
Simon & Mills, Inc. (Heavy), 25 Leonard
Smith Chas. J. & Co. (Tools, etc), 130 Worth
SMITH & HEMENWAY CO. (Mfrs. & Importers Hardware Specialties), 261 H B'way; also 130 H Colt, Irvington, N. J.
See adv index at end of book
Sperry & Alexander Co., 296 Broadway
Striffler Edward C. (Carriage & Wagonmakers' Supplies), 591 11th av.
Surpless, Dunn & Co. (Mfrs.' Agents & Exporters) (Heavy, Tools, Handles & Specialties), 74 Murray
Tiebout W. & J. (Mfrs. & Dealers) (Brass Galvanized, Ship Chandlery), 118 Chambers
Topping Bros. (Importers, Exporters, Mfrs.' Agents & Commission), 156 Varick
See adv index at end of book
Track Specialties Co. (Railroad), 29 B'way

(Continued on following page)

Hardware (Wholesale)—Continued

NEW YORK—NEW YORK CITY—Cont.
- **Underhill, Clinch & Co. (Jobbers) (Builders' Tools, Shovels, Lawn Mowers, etc), 84 White**
- **Von Thaden & Meyer (General), 73 Murray**
- **Washington Hardware Co. Inc. (Heavy), 257 Greenwich**
- Weiland Chas. (Cutlery, Mechanics' Tools, etc), 149 Chambers
- Wiebusch & Hilger (Ltd.) (Importers & Mfrs.' Agents, Hardware Specialties, Anvils, Chains, Cutlery, etc), 106 Lafayette
- **Wilson W. S. Corp., 155 Chambers**
- Witte Francis T. Hardware Co. (Importers, Exporters & Mfrs.' Agents) (Hardw., Cutlery, Tools, Refrigerators, etc), 106 Chambers
- Worth Hardware Co., 108 Worth

Borough of Queens

LONG ISLAND CITY—Long Island Hardware Co., 349-351 Jackson av
(End of New York City)

NIAGARA FALLS — **Elderfield-Hartshorn Hardware Co.**
NORTH TONAWANDA—**Cramer Hardware Co., Inc.**
OGDENSBURG—Hackett Patrick Hardware Co. (General & Iron & Stee.)
OLEAN—Miller Hardware Co.
ONEIDA—Eells & Mott Co. (Carriage Hardware & Iron & Steel)
- **Ruby Geo. H. Hardware Co. (& Retail)**

PENN YAN—Hollowell & Wise Co.
- Peck Geo. W. Co.

PLATTSBURGH—**Marshall A. H. Co. (General & Builders')**
- Myers M. P. & Co. (General)

ROCHESTER—Ernst Louis & Sons (General, Builders, Tools, etc.), 43 South av
- Roby S. B. Co., 214H South av
- Mathews & Boucher (General, Tools, Tinners', etc), 26 Exchange
- **Weed & Co., 15 Exchange**

ROME—Wardwell Hardware Co. (General, Heavy, Carriage)
SAUGERTIES—Lamb's Daniel Son
SCHENECTADY—Vroman J. V. Sons Co., State
- Witbeck Clark Co. (General & Heavy)

SYRACUSE—**Burhans & Black (Inc.)** (General, Heavy, Fishing Tackle, Sporting Goods, etc)
- Clancy Hardware Co. (Heavy, Carriage, Blacksmiths', Paints, etc)
- **Drennan Hardware Co.**
- Eddy Geo. W. Co.
- Grant's Alex. & Son
- Hessler H. E. Co. (General & Household)
- Roberts Tool & Supply Co., H W. Fayette

TROY—Warren J. M. & Co. (Heavy, Shelf, Tinners', Metals, Cordage, etc)
UTICA—Roberts Hardware Co. (General, Heavy, Carriage)
WATERTOWN—Conde W. W. Hardware Co. (General, Heavy, Carriage)
- Hunting Co.
- Weeks John & Son Co.

WEEDSPORT—**Burritt O. W. & Bro.**
WELLSVILLE—**Boyce Hardware Co.**

NORTH CAROLINA.

ASHEVILLE — Brown Hdwe. Co. (Tools, Cutlery & Builders' Supplies)
- Green Otis Hdwe. Co., 11 W. Park sq

CHARLOTTE — American Hardware & Equipment Co.
- Charlotte Hardware Co. (General & Heavy)
- **Smith-Wadsworth Hardware Co.**
- Southern Hardware Co. (General)

ELIZABETH CITY—Jones D. M. Co. (General & Heavy)
- **Sharber & White Hardware Co.**

FAYETTEVILLE—Huske Hardware House
GREENSBORO—Greensboro Hardware Co.
- Odell Hardware Co. (General, Carriage, etc)

HERTFORD—**Hertford Hardware & Sup. Co.**
HIGH PT.—Beeson Hardware Co.
MONROE—Monroe Hardware Co.
NEWBERN—Cutler Hdwe. Co.
RALEIGH—Briggs Thos. H. & Sons (General, Heavy, etc)
ROCKINGHAM—Everett Hardware Co.
THOMASVILLE—Crutchfield Hdwe. Co.
WADESBORO—**Blalock-Allen Hardware Co. (General)**
WASHINGTON—Harris Hardware Co.
- McKeel-Richardson Hardware Co.

WILMINGTON—Jacobi N. Hardware Co. (General, Heavy, etc.)
- Murchison J. W. & Co. (General, Tin, etc)
- Springer W. E. & Co. (General, Heavy, Carriage, etc.)

WINSTON-SALEM — Brown-Rogers Co. (General, Agrl. Implts., etc)
- Dalton Bros.
- Tucker-Ward Hdwe. Co., 434 Trade

NORTH DAKOTA.

GRAND FORKS—Barnes & Nuss Co. (Also Retail)
HATTON—Ness Lumber Co. (Builders')

OHIO.

AKRON—Hardware & Supply Co., 475-535 **S. High**
- Mill & Mine Supply Co., P. O. Box 432
See adv index at end of book

ASHTABULA—Mitchell Hardware Co. (Builders')
BRYAN—Bryan Hardware Co.
CANTON—Canton Hardware Co. (General, Factory Supplies, Glass, Paints, etc.), 1221 3rd st N. E.
- Crawford & Deal, 337 Tuscharamas E.
- Kennedy W. A. Hardware Co., 229 Tuscharamas E.

CHILLICOTHE—**Chillicothe Hardware Co.**
- **Spetnagle Hardware Co. (General & Heavy)**

CINCINNATI—Boebinger Hardware & Supply Co. (General Cutlery, Tools, Patternmakers' Supplies, etc.), 315 E Pearl
- Carpenter D. L. & Co. (Carriage & Wagonmakers' Hardware & Supplies), 652 Main
- Kruse Hardware Co. (General, Cutlery, etc), 518 Baymiller
- Kruse & Bohlmann Hardware Co., 408 Pioneer
- Kuhlmann Hardware Co. (General, Builders', Cabinet, Tools, etc), 1320 Main
- Morris E. K. & Co. (Heavy), 317 W 2d
- National Hardware Co., 327 W 4th
- Pickering Hardware Co. (General), 5th c Main
- Schulte G. B. Sons Co. (Wagonmakers' & Blacksmiths' Hardware & Supplies), 716 Main

CLEVELAND—Bingham W. Co. (Heavy Shelf, Cutlery, Firearms, Mfrs.', Mining, Railway Supplies, etc.), 1278 W. 9th
- **Cray Bros., 1111 W 11th**
- **Davis, Hunt & Collister Co.,2056 Ontario**
- Luekemeyer Co. (General, Heavy Lines, Mfrs. & Mill Supplies, etc.), 725 Superior av, N W
- Morton-Pettitt Co., 3951 St. Clair
- Worthington Geo. Co. (Heavy, Metals. Tinners', Carriage & Saddlery, Automobile & Electrical Supplies, 802-832 St. Clair av, N W

COLUMBUS—**Cussins Charles D. Co., 170 N 3d**
- Cussins & Fearn Co. (Automobile Supplies), 38-54H W Spring
- Mithoff Hdwe. Co. (Heavy, Tin Plate, Tinners' Stock, Tools, etc.), 284 S. High
- **Schoedinger-Marr Co., 102 N High**
- Smith Bros. Hardware Co. (General, Cutlery, Paints, etc), 38 W Chestnut

COSHOCTON—Gray Hardware Co.
DAYTON—Dayton Iron & Steel Co. (Iron, Steel, Carriage & Heavy)
- Kramer Hdwe. Co. (General Shelf & Builders)
- Tischer G. W. Co. (General, Cutlery, Nails, etc)
- Trembach Geo. (Mfrs. of Edge Tools)

FREMONT—Farm & Home Supply Co.
- Swint, Reineck & Co. (General & Heavy)

IRONTON—Goldcamp Bros. & Co.
JACKSON—**Ervin Bros. Co.**
LANCASTER—Winter Frank Hardware Co. (General, Heavy & Carriage)
LIMA—Jones Hardware Co.
LORAIN—Lorain Hardware Co.
MANSFIELD—**Martin Hardware Co.**
- Wagner Hardware Co. (General & Heavy & Automobile Supplies)

MARIETTA—Seyler Hardware Co.
- Union Hardware Co.

MARION—**Haberman Hardware Co.**
NEWARK—Crane, Kreig Hardware Co.
- **Jones J. C. Co.**

PORTSMOUTH—Hibbs Hdw. Co. (General)
SPRINGFIELD—**Haucke Geo. Co.**
- Lion Hardware Co.
- Springfield Hardware Co. (General)
- Vulcan Hardware Co.

STEUBENVILLE—M. & M. Hardware Co.
- Steubenville Hardware & Supply Co.

TIFFIN—Crobaugh & Dahm Hardware Co. (General)
TOLEDO—Bostwick-Braun Co. (General & Heavy)
- Marleau D. J. Co., Collingwood & Detroit av
- Merrell Co.
- Stollberg Hardware & Paint Co. (General, Tools, Cutlery, Glass, Paints, etc)
- Toledo Hardware & Supply Co. (Heavy), 201-3 Vance
- Winchester-Simmons Co., 34 S. Erie

URBANA—Cooper Otway Co. (General, Saddler, etc)
WARREN—Park Hardware Co.
- Warren Hardware Co.

WASHINGTON—Ford Hardware Co.
WELLINGTON—Dougherty Bros. Hardware Co.
YOUNGSTOWN—Stambaugh Thompson Co. (General, Heavy, Plumbers', etc)
- Wilkins-Leonard Hardware Co. (General, Household, Mill Supplies, etc.)

ZANESVILLE—Clossman Hardware Co.

OKLAHOMA.

CHICKASHA—Gilkey Jarboe Hardware Co.
CLINTON—**Welch Wholesale Hardware Co.**
EL RENO—Bonebrake Hardware & Implement Co.
ENID—**Champlin Hardware Co.**
- **Gensman Bros. & Co.**

KINGFISHER—Hockaday E. & Co.
McALESTER—Russell Hardware Co.
MUSKOGEE—Lantz W. R. Mfg. & Supply Co. (Heavy)
- **Muskogee Hardware Co.**

OKLAHOMA—Oklahoma City Hardware Co. (General, Heavy, etc)
- Pettee W. J. & Co. (General, Agr'l Implements)
- Richards & Conover Hardware Co.

OREGON.

BAKER—Basche-Sage Hardware Co.
MEDFORD—Garnett Bros.
PORTLAND—Builders Hdw. & Sup. Co., 7 North Park
- Haseltine J. E. & Co. (Carriage, Heavy, etc., 43 2nd st
- **Hexter & Co. (Tinware & Crockery, Stoves, etc), 480 Hoyt**
- Honeyman Hardware Co. (General, Heavy, etc.), Park & Glisan
- Isherwood Stove Co. (Stoves, Ranges, Furnaces, etc.), 108 N 14th
- McPherson W. G. Co., 19th & Wilson
- **Marshall Wells Hardware Co. (General, Heavy, etc), 15th & Lovejoy**
- May Hardware Co., 88 Front
- Robertson-Peacock Co. (Heavy), 30 2nd
- Vinton Co. (Aluminum Ware, Stoves, Crockery), 100 N. 5th

PENNSYLVANIA.

ALLENTOWN—Berger-Steinmetz Hdwe Co., 115 N. 7th
- Hersh F. Hardware Co. (General, Heavy, Builders', Carriage, etc)
- Schelly C. Y. & Bro. (General, Builders', etc.), 32 N. 7th st
- Scholl E. H. Co., 24H N 7th
- Young M. S. & Co. (General, Builders', Blacksmiths', etc)

ALTOONA—Goodfellow's W. H. Sons (General Agr'l Impl'ts, etc)
- Stevens-Webb Co. Inc.

ASHLAND—Buck Peter E. & Sons (General, Heavy, Carriage, etc)
BEAVER FALLS—Davidson Hdwe. Co., Dept. H
BELLEFONTE—Potter-Hoy Hardware Co. (General, Heavy, Carriage, etc)
BETHLEHEM—**BETHLEHEM FABRICATORS, INC.**
- Krause J. S. Hardware Co.

BRADFORD—Bodine Hardware Co., 13 Mechanic
- Bradford Supply Co., 130 Main
- Emery Hardware Co. (General Heavy, etc.)

BROOKVILLE—Fetzer Bros. (Harness, Implts. & Buggies)
BUTLER—Campbell J. G. & W.
CHESTER—**Galey Hardware Co.**
CHICORA—Hays E. F. & Sons
- Hock Bros.

CLARION—Magee Jno. A. Co.
CLEARFIELD—**Clearfield Hardware Co.**
COATESVILLE—Bailey Hdwe. Co., Dept. H
- Pownall Hardware Co.

CONNELLSVILLE—Frisbee Hardware Co.
CORRY—Barlow Hardware Co. (General, Heavy, Blacksmiths' etc.)
DALTON—Dalton Supply Co. (Heavy)
DANVILLE—Welliver W. W. (General. Heavy, etc)
DUBOIS—Bailey & Goodwin
- Hibner-Hoover Hdwe. Co. (General Builders, etc.)

EASTON—**LOSEY & CO., INC.** (Blacksmiths & Carriage)
- **Miller T. T. Hardware Co. (General. Heavy, etc)**
- Osterstock, J. S. & Co.

EMLENTON—Mitchell H. B. & Co
ERIE—Arbuckle Wm. Irwin, Dept. H
- Erie Hardware Co.
- Schneider Hardware Co.
- United Hardware & Supply Co., Dept. H
- Weller H. P. Supply Co. (Heavy)

GREENVILLE—Packard Hardware Co. (General, Heavy, etc)
HANOVER—Shirk Samuel & Son (General, Heavy, Carriage, etc)
- Tanger J. C. Co.

HARRISBURG—Gable H. A. Co.
- Gilbert H & Son (General & Heavy)
- Harrisburg Hardware Co.

HAZELTON—Hazelton Hdwe. Co.
- Hazleton Machinery & Supply Co. (Heavy, Mine & Mill)
- Woodring Jeremiah & Co. (Mine, Mill & Elect. Supplies)

HUNTINGDON—Miller C. H. Hardware Co. (General, Pipe, etc)
INDIANA—Stewart Jas. M. & Co.
JOHNSTOWN—Swank Hardware Co. (General, Builder's Carriage, etc)
KINGSTON—Roat A. J. Supply Co. (General, Heavy, Carriage, etc)
LANCASTER—Herr & Co. (General)
- Pontz A. F. & Co.
- Reilly Bros. & Raub (& Retail), 46 N Queen
- Steinman Hardware Co. (General, Heavy, Carriage, etc)

LEBANON—Krause Geo. Hardware Co. (General, Heavy, etc)
- Lebanon Hdwe. Co., 217H 8th

LEHIGHTON—Sendel Robt. O.
LEWISBURG—Driesbach's C. Sons (General, Saddlery, etc)

McKEESPORT—Hartman Hardware Co.
MAHAFFEY—Wrigley Co.
MAHANOY CITY—Heiser H. J. & Co.
MECHANICSBURG—Hauck Bros.
MEYERSDALE—Cover Peter J. & Son
Shipley Hardware Co.
MILTON—Buoy Jno. Y. Co. (General)
MOUNT CARMEL—Wardrop John & Son
MOUNT PLEASANT—Stevenson & Anderson
NEW CASTLE—Kirk-Hutton & Co.
Smith C. Ed. Hardware Co.
NORRISTOWN—Quillman Benj. Hardware Co.
PATTON—Central H'dware & Supply Co.
PHILADELPHIA—Allen W. H. & G. W. (General, Builders', Cutlery, etc), 113 Market
Cusack Hdwe. Co., 1004 Arch
Equipment Mfg. & Supply Co., 228 Church
Ghriskey's Chas. M. Sons (General, Mechanics' Tools & Specialties), 504 Commerce
Hessenbruch Herman Co. (Importers & Jobbers German Hardware), 8 N 5th
Klufkee H. E. Saddlery Co. (Saddlery), 150 N. 2nd
Murta Appleton & Co. (& Cutlery), Dept. H, 12th & Sansom
Newlin-Knight Hardware Co. (General, Cutlery, Railway Supplies, etc), 411 Commerce
Noblit Bros. & Co. (Cabinet), 222 S 2d
Sanson & Rowland, 505 Commerce
Sees & Faber Co. (Automobile & Electric Supplies), 2008 N Front
Seltzer-Klahr Hardware Co. (Cutlery, Guns & Ammunition), 429 Arch
Shannon J. B. Hardware Co.,, 816 Chestnut
Shields & Bro. (General, Heavy, etc), 521 Market
Soeffing Adolph & Co., 833 Arch
Standard Supply & Equip. Co., 17th & Lehigh
Supplee-Biddle Hardware Co. (Shelf, Heavy, Cutlery, Lawn Mowers, etc), 520 Commerce
Vogt Wm. H. Co., 506 Callowhill
Winchester-Simmons Co., 423-27 Arch
PHOENIXVILLE — Benjamin Hardware Co.
PITTSBURGH—American Hardware & Supply Co., 43 Terminal way
Biddle Purchasing Co., 379 Union Arcade
Colonial Supply Co. (Heavy), 217 Water *See adv index at end of book*
Daum & Helm Hdwe. Co. (Blders.), 623 Ohio, N S
Demmler Bros. Co. (Enameled Ware, Household, etc), 100 Ross
Fort Pitt Hardware Co., 807 Liberty av.
Hukill-Hunter Co., 35 Terminalway
Lindsey James C. Hardware Co., 12 8th
Logan-Gregg Hardware Co., 121 9th
Love Thompson Co. (Heavy), 209 1st av
McKnight Sam'l Hardware Co., 225 Federal
Pa. Hdwe. & Paint Co., 6103 Penn av
Steiner & Voegtly Hardware Co. (Pivoted Window Fixtures), 230 Diamond
Williams J. A. & Co., 115 7th av.
Woodwell Jos. Co. (General, Builders' & Mill Supplies), 207 Wood
PLYMOUTH—Shawnee Supply Co.
POTTSTOWN—Fegely Jacob & Son
POTTSVILLE—Bright George Hardware Co. (General, Mining, etc)
Pottsville Supply Co.
Thompson L. C. (General, Heavy, Carriage, etc)
PUNXSUTAWNEY—Punxsutawney Hdwe. Co.
READING—Bard Hardware Co. (General, Heavy, Carriage, etc)
Bright & Co. (General, etc)
Stichter Hardware Co. (General Heavy Carriage, etc)
Tragle Mfg. Co. (File, Rasps & Hack Saws)
Worley Hardware Co. (General)
ROUSEVILLE—Rouseville Supply Co.
ROYERSFORD—Buckwalter J. A.
SCOTTDALE—Loucks Hardware Co.
SCRANTON—BITTENBENDER CO. (Heavy & Carriage), 126 Franklin av
Doyle Jas. B., 212 N. Main
Foote & Becker (Builders'), 517 Lackawanna av
Gunster Bros., 325 Penn av
Leonard Thos. F. Co., 505 Lackawanna av
Scranton Supply & Machy. Co.
Weeks Hardware Co., 119 N. Washington av
SHAMOKIN—Hack W. C. & Sons Hardware Co.
Jones Hardware Co. (Mfrs.' Agents)
Sanner Hardware Co.
SHARON—Fruit-Ohl Co. (Gen'l, Heavy, etc.)
SOMERSET—Holderbaum James B.
SOUTH BETHLEHEM—Drissel & Eberts
TAMAQUA—Seligman & Co.
TITUSVILLE—Kernochan & Co.
United Hardware & Supply Co.
WARREN—Pickett Hardware Co.
WAYNESBORO—Beck & Benedict Hardware Co.
Rinehart Daniel
WILKES-BARRE—Eastern Penna. Supply Co. (General), Heavy, etc.)
Jones T. R. Co., South & S. Meade
Lewis & Bennett Hardware Co.
White Hardware Co.
WILLIAMSPORT—Kline & Co.
Linck Jacob H. (Est. of)
Williamsport Hardware & Stove Co.
YORK—Frey & Thomas (General)
Fulton, Mehring & Hauser Co.
McClellan & Gotwalt Co. (Ltd.), (General)
Small P. A. & S. Co. (General, Blacksmiths', etc.)

RHODE ISLAND.

PAWTUCKET—Toole Wm. K. Co.
PROVIDENCE—Ballou, Johnson & Nichols Co. (Mfrs. Agts. Kitchen Hardware), 128 Dorrance
RHODE ISLAND—Providence—continued
Barker, Chadsey & Co. (General), 38 Westminster
Barrett W. E. Co., 89 Canal
Belcher & Loomis Hardware Co. (General, Manufacturing Jewelers' & Electrical Supplies, etc), 89 Weybosset
B. & H. Supply Co., 115 Mathewson
Church E. C. Co., 5 Eddy
Congdon & Carpenter Co. (General Builders', Cordage, etc), 155 Canal
Rhode Island Supply & Sprinkle Co. (Tools), 156 W Exchange
WOONSOCKET—Darling C. H.

SOUTH CAROLINA.

ANDERSON—Anderson Hardware Co.
Sullivan Hdwe Co. (General & Heavy)
BEAUFORT—Christensen N. & Sons
CHARLESTON—Ball Supply Co.
Franke C. D. & Co. (Carriage & Auto Accessories)
Lazarus M. H. Co.
Pearlstine I. M. & Sons
Thompson-Miler Hardware Co. (Shelf)
CHESTER—Chester Hardware Co.
COLUMBIA — Carolina Wholesale Hardware Co., 1220 Pulaski
Hendrix Hdwe. Co.
Lorick & Lawrence
GREENVILLE—Greenville Hdwe. Co., 604 Pendleton
Jones Hardware Co.
Poe Hardware & Supply Co.
South Implement Co. (Heavy), Dept. H
Sullivan-Markley Hardware Co.
SPARTANBURG—Montgomery & Crawford (General)
Palmetto Hdwe. & Supply Co.
Spartan Hdwe. Co.
UNION—Union Hardware Co.

SOUTH DAKOTA.

ABERDEEN—Jackson Hardware Co. (General & Heavy)
RAPID CITY—Duhamel Co. (General Carriage, Wagon, etc.)
Sweeney Tom Hardware Co. (General)
SIOUX FALLS—Dakota Iron Store, The Larson Hardware Co. (General & Heavy)

TENNESSEE.

BRISTOL—Interstate Hardware & Supply Co.
Mitchell-Powers Hardware Co. (General & Heavy)
CHATTANOOGA—Crisman Hardware Co., 511 Market
James Supply Co. (General & Heavy), 1104 Market
Mills & Lupton Supply Co., 1146 Market
Prater & Palmer Hdwe. Co., Dept. H, 621 Market st
Rogers-Bailey Hardware Co. (Heavy), 617 Market
Stovall Hardware Co., 906 Market
Vance John C., Iron & Steel Co., 1108 Carter
CLARKSVILLE—Elder J. E. Hardware Co.
Elder-Conroy Hardware Co.
CLINTON—Clinton Hardware Co.
COOKEVILLE—Whitson Jerre Hardware Co.
JACKSON—Gooch-Edenton Hardware Co. (General)
McGee-Ross Hardware Co.
JELLICO—Jellico Hardware Co.
McComb Supply Co.
JOHNSON CITY—Summers Hardware Co. (General)
KNOXVILLE—House-Hasson Hardware Co., Asylum
Lowe-Hord Hardware Co.
Luttrell S. B. & Co.
McClung C. M. & Co. (General, Heavy, Tools, etc.)
Woodruff W. W. Hardware Co. (General), 424 S. Gay
MEMPHIS—Barnes W. E., Inc.
Bond Hardware Co., 205 S. Main
De Soto Hdwe. Co., 14 S. Front
Harris Iron & Supply Co. (Carriage & Heavy), 226 S. Front
House-Bond Hardware Co., 101 S Main
North Memphis Hardware Co., 120 N Main
Orgill Bros. & Co. (Shelf & Cutlery), 505 Tenn.
Pidgeon-Thomas Iron Co. (Mill Supplies)
Stewart Bros. Hardware Co., 86 N. Main
Stratton-Warren Hardware Co. (General), 37 N. Carolina
MORRISTOWN—Hasson, Holt & Nance
NASHVILLE—Buford Bros. (Heavy, Carriage, etc.), 520 20th av N.
Craig & Shoffner Hardware Co. (Shelf & Heavy)
Gray & Dudley Hardware Co. (General, Heavy, etc.)
Hermitage Hardware Co,. (General & Builders)
Hitchcock L. H. & Son (Heavy), 126 2nd av N.
Keith, Simmons & Co. (General, Heavy, etc.), 414 Union
Lipscomb H. G. & Co. (General & Heavy), 140 2nd av N.
McWhorter, Weaver & Co. (General), 178 2nd av N.

TEXAS.

ABILENE—Hughes Edw. S. Co. (General & Heavy)
AMARILLO—Amarillo Hardware Co.
Morrow Thomas Hardware Co. (General)
AUSTIN—Richardson W. H,. & Co,.
Tips Walter Co. (General, Heavy, Carriage, Saddlery, etc.)
BEAUMONT—Norvell-Wilder Hardware Co.
Wilson E. L., Hardware Co. (General, Heavy, etc.)
BROWNWOOD—Austin-Morris Co.
Weakley-Watson-Miller Hardware Co. (General)
CHILDRESS—Norris R. H. Hardware Co.
CORPUS CHRISTI—Corpus Christi Hardware Co. (& Automotive Equipment)
CORSICANA—Tatum W. M. Hardware Co. (General)
DALLAS—Huey & Philip Hardware Co. (Heavy Hardware, Shelf Hardware, House Furnishing Goods, Electrical, Auto Accessories & Radio Supplies, Sporting Goods, Creamery & Dairy Machinery, etc.)
Moroney Hardware Co. (General)
DENISON—Hall-Leeper Hardware Co.
EL PASO—Krakauer, Zork & Moye's Successor's, Inc. (General Firearms, etc.)
Momsen-Dunnegan-Ryan Co.
FORT WORTH—Nash Hardware Co. (General, Heavy, etc.)
GAINESVILLE—Kennerly Hdwe. Co.
GALVESTON—Black Hdwe. Co.
Blum Ben & Co.
HOUSTON—Bering C. L. & Theo., Jr. (Sporting Goods)
Bering-Cortes Hardware Co. (General)
Heitmann F. W. Co,. (Heavy)
Meyer Jos. F. Co. (Heavy & Carriage)
Peden Iron & Steel Co. (Heavy, etc.)
JEFFERSON—Meyer Eugene
Torrans Mfg. Co.
LAREDO—Deutz A. & Bro. (General & Heavy)
MERCEDES—Rio Grande Hardware & Machinery Co.
NACOGDOCHES—Cason-Monk & Co.
PARIS—Bettes H. S. Hardware Co. (General)
ROCKDALE—Henne & Meyer Co.
SAN ANGELO—Crowther Hdwe. Co.
SAN ANTONIO—Basse Wm. Hardware Co. (Carriage, Wagon & Heavy)
Braunschweig-Briam-Reich Co., 106 E Commerce
Heusinger Hardware Co. (Heavy, Builders', Cabinet, Tools, etc.)
Newton & Weller Co.
Peden Iron & Steel Co.
Praeger Hardware Co.
Schultze-Stove & Hardware Co.
Tips Hardware Co. (General)
SHERMAN—Hardwicke-Etter Co.
Roberts, Sanford & Taylor Co. (General)
STAMFORD—Penick Hughes Co.
TEXARKANA—(See Arkansas)
TYLER—Adams J. H. & Son (General, Heavy, etc.)
Wadel Connally Hardware Co.
WACO—Herrick Hardware Co.
McLendon Hardware Co. (General), Heavy, etc)
Padgitt Tom Co. (Saddlery, etc.)

UTAH.

OGDEN—Lowe Geo. A. Co. (Heavy)
Simmons J. C. (Tinware)
SALT LAKE CITY—Salt Lake Hardware Co. (General, Heavy, etc.)
Strevell-Paterson Hardware Co. (General, Heavy, etc)
Zion's Co-operative Merecantile Institution (General, Heavy, etc.)

VERMONT.

BELLOWS FALLS—Howard Hardware Co.
BRATTLEBORO—Robbins & Cowles
Stearns Joel M.
BURLINGTON—Hagar Hardware & Paint Co.
Isham Hdwe. Co.
Strong Hardware Co. (Heavy, Builders', Carriage, etc)
Vermont Hardware Co. (General & Saddlery)
MONTPELIER—Diming Hdwe. Co.
Dwinell Hdwe. Co.
Peck Bros. Co.

(Continued on following page)

Hardware (Wholesale)—Continued

VERMONT—Continued
NEWPORT—Root Hy. S. & Son
True & Blanchard Co.
RUTLAND—Landon W. C. & Co.

VIRGINIA.

ALEXANDRIA—Hulfish Worth & Sons
BLACKSTONE—Dillard Crawley Hardware Co.
BRISTOL—(See Tennessee)
CHARLOTTESVILLE — Charlottesville Hardware Co. (General, Cutlery, Heavy, etc)
Martin W. T. Hardware Co.
CLIFTON FORGE—Smith & McKinney Hardware Co. (General, Builders', Tools, etc)
DANVILLE—Clark, L. C. & Co.
Danville Hardware Co.
Mobley-Graham-Jones Co.
Motley B. S. & Co.
Piedmont Hardware Co. (General, Builders', Tools, etc)
EMPORIA—Tillar-Harris Hdwe. Co.
HAMPTON—Booker H. R. & Co.
HARRISBURG—Wilton Hdwe. Co.
LEXINGTON—Myers Hardware Co.
LYNCHBURG—Ainslie & Martin Co. (General, Heavy)
Bailey Spencer Hardware Co. (Heavy, Shelf, Firearms, etc)
Barker-Jennings Hardware Co. (Heavy, Shelf, Firearms, etc)
Gannaway Jno. E. & Co. (General)
Handy N. B. Co. (Heavy)
Perrow-Evans Hardware Co. (General)
NEWPORT NEWS—Cadwell E. W. Hardware Co. (Retail), 2506 Washington av
Rosenbaum Hardware Co., 2610 Washington av
NORFOLK — **Building Supplies Corp.** (Builders')
Commercial Hdwe. Co., Inc., 74 Commercial pl
Engel G. & Bros., 301 Main
Kilpatrick B. H. & Co. Inc. (Marine), 308 Water
Malbon P. J.
Price-Reynolds Hardware Co. Inc., 115 Market
Watters & Martin (General, Heavy, etc)
NORTON—Norton Hardware Co. (General)
PETERSBURG—Joyner Hdwe. Co., Inc.
Leonard Chas. Hdwe. Co. (General)
Petersburg Hardware Co.
Stockdell Myers Hardware Co.
PORTSMOUTH — Hawks - Maupin Co. (Builders)
Twin City Supply Co., 812 Crawford
PULASKI—Price Hardware Co.
RICHMOND — Donnan W. S. Hdwe. Co. (Heavy & General), McDonough
Donnan W. S. Hardware Co. (Heavy & General), McDonough
McGraw James Inc. **(General Machinists' Supplies), H 10th & Cary**
Richmond Hardware Co. (General & Shelf), 101 S 14th
Taylor E. L. & Co. (Carriage & Wagon), 9th & Carey
Virginia-Carolina Hardware Co. (General Tinware, etc), 1332 E Main
Watkins-Cottrell Co. (Shelf & Heavy), 14th & Dock
ROANOKE—Graves-Humphreys Hardware Co.
Nelson Hardware Co. (General, Miners' Supplies, etc)
Roanoke Hardware Co. (Shelf)
SOUTH BOSTON—Penick R. A. & Son (General)
STAUNTON—Bowman C. P. Hardware Co. (General, Saddlery, etc)
Worthington Hardware Co. (General, Heavy Carriage, Saddlery, etc)
SUFFOLK—Folk E. L. Co.
Thomas Hardware Co.
TAZEWELL—Greever J. A.

WASHINGTON.

ABERDEEN—Isaacson L. G. Co.
BELLINGHAM—Morse Hardware Co. (General)
Northwest Hardware Co. (General & Heavy)
EVERETT—Agnew Hardware Co.
N. YAKIMA—Yakima Hardware Co.
RAYMOND—Isaacson L. G. Co.
SEATTLE—Castle A. M. & Co. of Washington (Heavy, Mill & Railway), 82 W. Connecticut
Curtiss Wm. M. Co.
Gray Bros. Co. (Carriage, Wagon, etc)
Hardware Specialties Co., Maritime bldg
Pacific Net & Twine Co., 1213 Western av
Schwabacher Hardware Co. (Heavy, Shelf, Ship Chandlers, etc), 1st S & Jackson
Seattle Hardware Co. (Heavy, Shelf, Tools, etc)
Speiger & Hurlbut, Inc.
Whiton Hardware Co.
SPOKANE—Holley-Mason Hardware Co. (Shelf, Heavy, Plumbers, etc)
Jensen-King-Byrd Co.
Kilmer & Sons Co., 1001 1st av
Little John T. Co. (Sporting Goods), 110 Washington
Spokane Hardware Co. (General)
TACOMA—Hunt & Mottet Co. (General & Heavy)
West Coast Steel Co. (Heavy), 1948 Pacific

WEST VIRGINIA.

BELINGTON—Kane & Keyser Hardware Co.
BLUEFIELD—Bluefield Hardware Co. (General, Tinware, etc)
Bluefield Supply Co.
Sterling Hardware Co.
CHARLESTON—Baird Hdwe. Co. (General)
Baldwin Supply Co. (Heavy), 901 Va. E
Burlew Hardware Co. (General)
Charleston Hardware Co. (General)
Goshorn Hardware Co. (General)
Loewenstein & Sons (Saddlery)
Sparke J. W. Co. (General)
CLARKSBURG—Williams Hardware Co. ("Wilco" General, Heavy)
FAIRMONT — Jacobs - Hutchinson Hardware Co. (General)
HINTON—New River Hardware Co.
HUNTINGTON—Emmons, Hawkins Hardware Co. (General, Natural Gas Fixtures, etc)
Foster-Thornburg Hardware Co. (General, etc)
Miller Supply Co. (Heavy), Dept. H
KEYSER—Keyser Hardware Co.
Siever Hardware Co. (General)
PARKERSBURG—Niswander G. W. & Co.
Smith W. H. Hardware Co (General)
Wiant & Barr Hardware Co.
RAVENSWOOD—Harpold Bros.
Moore C. P. (General)
SUTTON—Lee W. H.
WELCH—Moore Combination Stores.
WEST UNION—Cox Brothers Co.
WHEELING—Braunlich, C. F. & Co.
Greer & Laing (General & Heavy)
Hiener Hardware Co.
Miller & Stein (Heavy, Carriage, etc)
Ott-Heiskell Hardware Co. (General, Cutlery, etc)

WISCONSIN.

APPLETON—Galpin's Alfred Sons
Schlafer Hardware Co.
Tesch Wm.
ASHLAND—Garnich Emil & Sons Hardware Co.
BURLINGTON—Wagner C. B. Hardware Co.
FOND DU LAC—Hughes Jno. Hardware Co.
Wegner J. F. & Co.
GREEN BAY—Green Bay Hardware Co., W Walnut
Morley-Murphy Hardware Co. (General, Cutlery, etc.)
JANESVILLE—Bicknell Mfg. & Supply Co.
LA CROSSE—Kroner Fred Hardware Co. (General, Wagon, Tools, etc)
Tausche, Vincent Hardware Co. (General, Blacksmiths', etc)
MADISON—Kroncke H. G. Hardware Co.
MANITOWOC — Worel Hardware Co. (General, Heavy, Cutlery, Firearms)
MILWAUKEE—Frankfurth Wm. Hardware Co. (General, Heavy, Carriage, etc.), 119 W Water
Gross Philip Hardware & Supply Co., 218 3rd
Hilgendorf C. F., Inc., 303 3rd
Kolloge Hdwe. Co., 3rd & Chestnut
Pritzlaff John Hardware Co. (General, Heavy, Tin Plate, Cutlery, etc), 51 W Water
Shadbolt & Boyd Iron Co. (Wagon & Carriage), 131 W Water
Suelflohn & Seefeld (Heavy, Carriage, etc), 45 2d
NEENAH—Krueger Wm. Co.
OSHKOSH—Hay Hardware Co.
Leach Frank Hardware Co.
RACINE—Mohr-Jones Hardware Co.
Racine General Mfg. Co. (Wagon)
SHEBOYGAN—Geele Frank Hardware Co.
SUPERIOR—Superior Hardware Co.
WATERTOWN—Kusel D. & F. Co.
WAUSAU—Bauman Hardware Co.

WYOMING.

CHEYENNE—Arp & Hammond Hardware Co.
Roedel Frank A.
EVANSTON—Beeman & Cashin Mercantile Co.
LARAMIE—Holliday W. H. Co.
SHERIDAN—Diefenderfer & Dinwiddie Co.

5942—Harness (Coal Mine, Etc.)

Beagle Hame Works, Freeland, Pa.
Olewine Wm. & Son, Hazleton, Pa.
Pittsburgh Harness Supply Co., 825 Penn av, Pittsburgh, Pa.
Sells J. H. & F. A. Co., Chestnut & Pearl, Columbus, O.
Shapleigh Hardware Co., 4th & Washington av, St. Louis, Mo.
Strecker Bros. Co., Marietta, O.

5943—Harness (Contractors')

Sells J. H. & F. A. Co., Chestnut & Pearl, Columbus, O.
Sickles J. B. Saddlery Co., 2100 Washington, St. Louis, Mo.
United Forge & Machine Co., 2145 Franklin, Detroit, Mich.

5944-45— Harness Menders

Garland Mfg. Co. (Loom), Saco, Me.
Russell Mfg. Co. ("Rusco"), Dept. H, Middletown, Conn.
Sacks Louis, Inc. ("Royal"), Wilson av, Newark, N. J.

5946—Harness, Saddles & Strap Work (Mfrs.)

ARKANSAS.

FORT SMITH—Murphy W. J.
LITTLE ROCK—Voss-Hutton Mfg. Co.

CALIFORNIA.

LOS ANGELES—Brydon Bros. Harness & Saddlery Co., 239 S Main
Los Angeles Saddlery & Finding Co.
SACRAMENTO — Van Voorhies-Phinney Co., J & 3rd
Walsh-Richardson Co., 428 K
SAN FRANCISCO—Davis W. & Sons, 333 Market
Keystone Bros., 755 Mission

CONNECTICUT.

HARTFORD—Smith, Worthington Co., 8 Signy,

GEORGIA.

ATLANTA—Crumley-Sharp Hdwe. Co., 45 Walton
BUFORD—Allen Bona (Inc.)
Shadburn Bros.
MACON—Bernd G. Co.
WACO—Heaton & Senft

ILLINOIS.

BENTON—Jackson A. D. Saddlery Co.
BLOOMINGTON—Green B. S. Co.
CHICAGO—Diamond Whip Co. (Face Nets), 406 N Curtis
Kronauer Chas. & Co., 844 Fulton
DECATUR—Starr J. G. & Son
FREEPORT—Bowler & Jones
GALESBURG—Adams & Johnson Co.
MORTON—Kramer Rotary Harrow Co.
QUINCY—Wolf Mfg. Co.
ROCKFORD—Hess & Hopkins Leather Co.

INDIANA.

EVANSVILLE—Flickner J. O. & Sons, 211 N. 1st
FORT WAYNE—Fort Wayne Saddlery Co.
INDIANAPOLIS—Indianapolis Saddlery Co., 237 S Meridian
KOKOMO—Ulrich Mfg. Co. (Saddles Only)
LA PORTE—La Porte Harness Co.

IOWA.

BOONE—Goeppinger L. & H.
BURLINGTON—McConnell S. R. & L. C. Co.
CLINTON—Clinton Saddlery Co.
DAVENPORT—Sears Saddlery Co.
DES MOINES—Boyt Walter Co.
Des Moines Saddlery Co.
MUSCATINE—Van Nostrand Saddlery Co.
OSKALOOSA—Fitch R. F. & W. B. Co.
SIOUX CITY—Meyer Bros. Saddlery Co.
WATERLOO—Waterloo Saddlery Co.

KANSAS.

ATCHISON—Atchison Saddlery Co.
Kessler-Barkow Saddlery Co.
FORT SCOTT—Glunz Saddlery Co.
WICHITA—McComb Bros.

KENTUCKY.

LOUISVILLE—Floyd Saddlery Co., Inc. (Riding), 613 W. Market
Harbison & Gathbright
Hodapp & Miller
PADUCAH—Michael M. & Bro.

LOUISIANA.

NEW ORLEANS—Rice Louis P. & Co., 220 Decatur
Whitney & Sloo Co. (Ltd.,) 733 Tchopt
SHREVEPORT—Shreveport Saddlery Co.

MARYLAND.

BALTIMORE—Rose Peter & Sons, 9 S. Howard

MASSACHUSETTS.

BOSTON—Ranno-Speira Co., Jobbers, 39 High
GARDNER—Godfrey G. R.

MICHIGAN.

BATTLE CREEK—Eldred Willard H.
DETROIT—Naylon-Pierson-Hough Co., 532 Congress W
Sutherland F. L. Co., 743 Beaubien
HUDSON—Kellogg H.
SAGINAW—Morley Bros.

MINNESOTA.

MINNEAPOLIS—Dodson, Fisher, Brockmann Co., 15 N 3rd
Noe G. D. Harness Co.
Nott W. S. Co., 2d av N & 3d
ST. PAUL—Friend Chas. & Son, 343 Jackson
Scheffer & Rossum Co., 104 E 10th
WINONA—Minnesota Harness Factory

MISSISSIPPI.

MERIDIAN—Threefoot Bros. & Co.

MISSOURI.

CALIFORNIA—Heck Wm.
KANSAS CITY—Askew Saddlery Co., 315 Delaware

ST. JOSEPH—Rossi Saddlery Co.
Wyeth Hardware & Mfg. Co.
ST. LOUIS—Burns P. Saddlery Co., 713 Lucas
Sickles J. B. Saddlery Co., 2100 Wash.
Winchester-Simmons Co., 9th & Spruce
SPRINGFIELD—Hermann-Sanford Saddlery Co.
Steineger Saddlery Co.

NEBRASKA.

LINCOLN—Harpham Bros. Co.
NORFOLK—Winter H. W.
OMAHA—Cornish Alfred & Co.
Haney J. H. & Sons
Marks Bros. Saddlery Co.

NEW YORK.

NEW YORK—Bartley Bros. & Hall, 50 Warren
ROME—Barnard Edw. Co.
SYRACUSE—Olmsted Co.

NORTH CAROLINA.

WINSTON-SALEM—Shipley J. W.
Smoak W. W.—Black Mule Harness Co., 432 N Main
Townsend Buggy Co., 209 W 5th

NORTH DAKOTA.

FARGO—Bristol & Sweet Harness Co.
North Dakota Harness Co.

OHIO.

BRYAN—Riley Wm. H. & Son
CINCINNATI—Curry J. W. Co. ("Curry" Fabric Harness), 2615 Cummins
Graf-Morsbach Co., Flint & Wade
Perkins-Campbell Co., 622 B'way
COLUMBUS—Sells J. H. & F. A. Co., Chestnut & Pearl
LOWELL—Hollinger Jacob F.
MARIETTA—Strecker Bros. Co.
NEW BERLIN—W. H. Co.
NORTH CANTON—Hoover W. H. Co. (Patent leather)
SIDNEY—Given R. & Son Co.
TOLEDO—Sattler Peter Co.

OKLAHOMA.

OKLAHOMA — Hughes-Bozarth-Anderson Co.

OREGON.

PORTLAND—Clark John Saddlery Co., Co., 104 Front
Lawrence Geo. Co., 82 1st
Leisure & Van Bebber (Pack Saddles Only), 1506 MacAdam
McMonies W. H. & Co., 375 E. 6th N.
Marshall-Wells Co., 15th & Lovejoy

PENNSYLVANIA.

INDIANA—Marshall Godfrey (Saddlery)
YOUNGSVILLE—Youngsville Saddlery Co.

RHODE ISLAND.

PROVIDENCE—Rounds T. W. Co., Ltd., 48 Washington

SOUTH DAKOTA.

RAPID CITY—Duhamel Co.

TENNESSEE.

CHATTANOOGA—Southern Saddlery Co., 1442 W. Side
NASHVILLE—Gray & Dudley Hdwe. Co.
Nashville Saddlery Co., 1702 Cedar
Orman-Partee Saddlery Co., 135 2nd av N.
SHELBYVILLE — Robinson-McGill Mfg. Co.

TEXAS.

DALLAS—Padgitt Bros. Co.
Schollkopf Co .
Tenison Bros. Saddlery Co.
PARIS—Dulaney W. F. & Sons
SAN ANTONIO—Frank L. Saddlery Co.
WACO—Padgitt Tom Co.

UTAH.

OGDEN—Read J. G. & Bros. Co.
SALT LAKE CITY—Salt Lake Hardware Co.

VIRGINIA.

NEWPORT NEWS—Miller & Gleason
RICHMOND—Cottrell Saddlery Co.
Crump Benj. T. Co.

WASHINGTON.

SEATTLE—Duncan & Sons, 815 2nd

WEST VIRGINIA.

WHEELING—Hutchisson T. T. & Co.
ELKINS—Baldwin Supply Co.

WISCONSIN.

EAU CLAIRE—Schwahn-Seyberth Mfg. Co.
GREEN BAY—Franssens J. M.
McIntyre-Burrall Co.
MADISON—Madison Saddlery Co.

5947— Harpoons

Bacon & Matheson Forge Co., 17H W Lander, Seattle, Wash.
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Naval Co. ("Bridger"), Roslyn, Pa.
Wilcox Crittenden & Co. Inc., 444 S Main, Middletown, Conn.
See adv index at end of book

5948— Harps (Trolley)

See Wheels, Trolley; also Trolley Line Materials

Bayonet-Trolley-Harp Co., Springfield, O.
Columbia Machine Works & Malleable Iron Co. ("Columbia"), Atlantic av & Chestnut, Brooklyn, N. Y.
Electric Railway Equipment Co., Cincinnati, O.
Electrical Material Co. ("Feist"), 618 W Jackson blvd
Holland Trolley Supply Co., 1623 E 43d, Cleveland, O.
Meckel Fred. L., 11 E 13th, Chicago, Ill.
Dock, St. Louis, Mo.
More-Jones Brass & Metal Co., B'way & Nuttall R. D. Co. ("Union"), McCandless & Harrison av, Pittsburgh, Pa.
Ohio Brass Co. The (For Mine Only), Mansfield, Ohio
Star Brass Works ("Kalamazoo"), Kalamazoo, Mich.

5949—Harrow & Cultivator Combined

5950— Harrows (Alfalfa)

Avery B. F. & Sons ("Avery"), Louisville, Ky.
Bucher & Gibbs Plow Co. ("Imperial"), 800-36 2nd S. E., Canton, O.
Deere & Co. ("Deere"), Moline, Ill.
Light Draft Harrow Co. ("Forkner"), Marshalltown, Ia.
Moline Plow Co. ("Moline"), Moline, Ill.
Rock Island Plow Co. ("Porcupine"), Rock Island, Ill.

5951— Harrows (Boss)

Anderson Co., 2324 University av, St. Paul, Minn.
Hayes Pump & Planter Co., Galva, Ill.
Keller Mfg. Co., 1325 N E Quincy, Minneapolis, Minn.
La Crosse Plow Co., La Crosse, Wis.
Madison Plow Co., Madison, Wis.
Oliver Chilled Plow Works, South Bend, Ind.
Rock Island Plow Co., Rock Island, Ill.
Rowell I. B. Co. (Scotch Lever), Waukesha, Wis.

5952-3— Harrows (Disc)

American Seeding Machine Co. ("Evans," Gang & "Superior" on Wheels, also Truck), Springfield, O.
Avery B. F. & Sons ("New Tornado"), Louisville, Ky.
Belcher & Taylor Agricultural Tool Co. ("Yankee"), Chicopee Falls, Mass.
Blout Plow Wks. (& Spike Tooth), 11286 Illinois, Evansville, Ind.
Brinley Hardy Co., Louisville, Ky.
Bristol & Gale Co., 158 Carroll av, Chicago, Ill.
Brown Mfg. Co., Zanesville, O.
Bryan Plow Co.,, Bryan, O.
Bucher & Gibbs Plow Co. ("Imperial," "Perfect," also Cut Out Disc & Double Disc), 800-36 2nd S. E., Canton, O.
California Plow Co. (Double), 140 Polhenus, San Jose, Cal.
Case J. I. Plow Works ("J. I. Case," Reversible & Tandem), Racine, Wis.
Collins Plow Co., Quincy, Ill.
Cutaway Harrow Co. ("Clark's Cutaway," "Great Western"), Higganum, Conn.
Davidson-Dietrich Plow Co., 402 L 1st, Evansville, Ind.
Deere & Co. ("Deere" Engine Gang, Single & Double Action, Engine & Orchard), Moline, Ill.
Emerson-Brantingham Co. ("E. B." Horse & Engine Plain Disc.), Rockford, Ill.
Evans B. A., Hammond, N. Y.
Fetzer & Co. ("Excello," "Spear Head," "O. K." "Fetzer," "McSherry," Springfield, Ill.
Gale Mfg. Co. ("Albion," One or Two Lever, also Cutaway), Albion, Mich.
Galesburg Coulter-Disc Co., Galesburg, Ill.
Grand Detour Plow Co., Dixon, Ill.
Hartman Mfg. Co., Vincennes, Ind.
Holt Mfg. Co., Stockton, Cal.
International Harvester Co. ("McCormick-Deering), Harvester bldg, Chicago, Ill.
Janesville Mach. Co. ("Budlong"), Janesville, Wis.
Killefer Mfg. Co., Box 270, Huntington Park, Cal.
La Crosse Plow Co. ("La Crosse"), La Crosse, Wis.
Lean Roderick Mfg. Co., Mansfield, O.
Long & Allstatter Co. ("Hamilton" Single & Double Tongue & Tongueless), Hamilton, O.
See adv index at end of book
Luthy & Co., Peoria, Ill.
Madison Plow Co. ("F. & J."), Madison, Wis.
Maroa Mfg. Co., Maroa, Ill.
Massey-Harris Harvester Co., Batavia, N. Y.
Moline Plow Co. ("Economy," "Flying Dutchman," "Moline" Cutaway & Reversible), Moline, Ill.
Monmouth Plow Factory, Monmouth, Ill.
Ohio Cultivator Co. ("Bellevue," "Hi-Lo," "Star"), Bellevue, O.
Ohio Rake Co. (Cut Out Disc, "Dayton," Double Disc, "Chattanooga," & "New Lion" Reversible), Dayton, O.
Oliver Chilled Plow Works, South Bend, Ind.
O'Neil T. L., Marseilles, Ill.
Peru Plow & Wheel Co., Peru, Ill.
Racine-Sattley Co. ("Governor," "Mod. X.," "Tandem"), Springfield, Ill.
Rock Island Plow Co. ("Bonanza" & "Defiance"), Rock Island, Ill.
Shaw H. C. Co., Stockton, Cal.
Sterling Mfg. So., Sterling, Ill.
Swanson Plow Co., Muskogee, Okla.
Syracuse Chilled Plow Co. (Steel Frame), Syracuse, N. Y.
Thompson Plow & Engine Works ("Eclipse"), Beloit, Wis.
Wiard Plow Co. ("Star"), Batavia, N. Y.
Wood Walter A. Mowing & Reaping Machine Co. (Piano & Cutaway), Hoosick Falls, N. Y.
Woodhouse J. S. Co. (Smoothing), 250 West, New York

5954— Harrows (Spading)

Janesville Mach. Co. ("Budlong"), Janesville, Wis.
Wiard Plow Co. ("Morgan"), Batavia, N. Y.

5955—Harrows (Spring Tooth)

Akron Cultivator & Mfg. Co., 3144 E 65th, Cleveland, Ohio
Albright James H. & Sons, Mifflinburg, Pa.
Babcock Mfg. Co., Leonardville, N. Y.
Belcher & Taylor Agricultural Tool Co. ("Oxford"), Chicopee Falls, Mass.
Brinly Hardy Co. ("Columbia," "Rufus"), Louisville, Ky.
Brown-Manly Plow Co. (Wood Frame), Malta, O.
Bucher & Gibbs Plow Co. ("Imperial"), 800-36 2nd S E, Canton, O.
Buch's A. Sons Co., Elizabethtown, Pa.
Burch Plow Works Co. (Steel Frame), Crestline, O.
Conner J. W. & Son ("Orangeville" Coil Spring & Scotch Hinge), Orangeville, Pa.
Davidson-Dietrich Plow Co., 402 L 1st, Evansville, Ind.
Donaldson Bros., Mount Clemens, Mich.
Eddy W. Plow Co., Greenwich, N. Y.
Eureka Mower Co. ("Eureka" Combination, "Badger" "Standard"), 1005H Hickory, Utica, N. Y.
Farquhar A. B. Co. Ltd., York, Pa.
Gale Mfg. Co. ("Albion," "Empire," "Star" Steel or Wood Frame), Albion, Mich.
Genesee Valley Mfg. Co. ("Fargo"), Mt. Morris, N. Y.
Greenville Implement Co., Greenville, Mich.
HEEBNER & SONS, Lansdale, Pa.
Hussey Plow Co. ("Hussey"), N Berwich, "Daisy"), N Berwich, Pa.
International Harvester Co., Harvester bldg, Chicago, Ill.
La Crosse Plow Co. ("La Crosse"), La Crosse, Wis.
Lean Roderick Mfg. Co. (Also Spike Tooth), Mansfield, O.
Le Roy Plow Co., Le Roy, N. Y.
Light Draft Harrow Co. ("Forkner"), Marshalltown, Ia.
Maroa Mfg. Co. ("Maroa"), Maroa, Ill.
Massey-Harris Harvester Co. ("Perry"), Batavia, N. Y.
Moline Plow Co. ("Moline"), Moline, Ill.
Munnsville Plow Co. ("Perry," "Otsego" Steel Frame), Munnsville, N. Y.
New Idea Spreader Co. ("New Idea"), Coldwater, O.
Ohio Cultivator Co. ("Ohio"), Bellevue, O.
Ohio Rake Co. (Quail Steel & "Monarch"), Dayton, O.
Oliver Chilled Plow Works ("Oliver"), South Bend, Ind.
Reed Fdry. & Mach. Co. ("Triumph" Sulky), Kalamazoo, Mich.
Rockford Mfg. Co., Rockford, Ill.
South Bend Chilled Plow Co. ("Jewel," "Newmarket"), South Bend, Ind.
Southern Plow Co., Dallas, Tex.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Tanner D. F., Holland, N. Y.
Wirtz & Hernlen ("Dixie"), Augusta, Ga.
Wood W. A. Mowing & Reaping Machine Co. ("Climax"), Hoosick Falls, N. Y.

5956— Harrows (Toothless)

Emerson Brantingham Implement Co. ("Osborne" "E. B. Osborne"), Rockford, Ill.
Miller & Rellim Co. ("Rellim"), College Corner, O.

5957—Harrows & Pulverizers

Allen S. L. & Co. ("Planet Jr."), 15th & Glenwood, Phila, Pa.
American Seeding Machine Co. (Spike Tooth), Springfield, O.
Anderson Company ("Boss" Harrows), 2324 University av, St. Paul, Minn.
Avery B. F. & Sons (Lever, Spike Tooth), Louisville, Ky.
Barley Thos. K., Sedalia, Mo.
Bateman Mfg. Co. ("Iron Age"), Grenloch, N. J
Bechtolt Geo. E., Urbana, O.
Belcher & Taylor Agl. Tool Co. (Eclipse Weed Harrow, Yankee Pulverizer, Share's Coulter Harrow, etc), Chicopee Falls, Mass.
Bloom Mfg. Co. (Spike Tooth), Nashua, Ia.

(Continued on following page)

Harrows & Pulverizers—Continued

Brinly Hardy Co., Louisville, Ky.
Brown Mfg. Co., Zanesville, O.
Bucher & Gibbs Plow Co. (Spike Tooth), 800-36 2nd S. E., Canton, O.
Buffalo Springfield Roller Co. (Road & Street Harrows), Springfield, O.
Case J. I. Plow Works (Critic Closed End, Wood Bar & Pipe Flexible), Racine, Wis.
Collins Plow Co. (Quicy Lever, Steel U Bar), Quincy, Ill.
Cutaway Harrow Co. ("Clark"), Higganum, Conn.
Davidson Dietrich Plow Co. (U Bar Harrows), Evansville, Ind.
Deere John Plow Works, Moline, Ill.
Defiance Welding Co. (Peg Tooth, Self-Adjusting Leverless), Defiance, O.
Dowden Mfg. Co. (Ltd.) (Weed Harrow), Prairie City, Ia.
Dunham Co. (Surface & Sub-Surface), Berea, O.
Emerson-Brantingham Co. ("E. B." Steel, Wood Frame, Smoothing, Stiff Tooth, Rockford, Ill.
Empire Plow Co. ("Empire"), 3140 E. 65th, Cleveland, O.
Fresno Agricultural Works (Revolving), L. & Tulare, Fresno, Cal.
Gale Mfg. Co. (Spring Tooth Steel & Lever Harrows, Spike Tooth, Steel U Bar), Albion, Mich.
Galloway Wm. Co., Waterloo, Ia.
Genesee Valley Mfg. Co. ("Fargo V Tooth"), Mt. Morris, N. Y.
Grand Detour Plow Co. (Pipe, U Bar, & Oakwood Harrows), Dixon, Ill.
Harriman Mfg. Co., Harriman, Tenn.
Hayes Pump & Planter Co. (Steel U Bar, Angle Bar or Pipe with Spike Tooth), Galva, Ill.
Hazen W. S. ("Hazen," "Scotch"), Ripon, Wis.
James Mfg. Co., Fort Atkinson, Wis.
Janesville Machine Co. ("Van Dyke," "James," Flexible, Plow Cut, Ewe Bar, Guarded End, Tubular Lever), Janesville, Wis.
Jelliff C. O. Mfg. Corp. ("Meeker" Smoothing), Box 68, Southport, Conn.
La Crosse Plow Co. (Tubular, Zig-Zag, Steel & Wood Flexible & Wood Lever), La Crosse, Wis.
Lean Roderick Mfg. Co. ("Roderick Lean" All Steel Lever, Pipe Bar, Flexible, Zig-Zag, Spike Tooth), Mansfield, O.
Lee Bros., Watertown, S. D.
Le Roy Plow Co., Le Roy, N. Y.
Lenhart Wagon Co. (Harrows), 2600 University av, Minneapolis, Minn.
Madison Plow Co. ("Boss," "Bonanza" Lever, U. & Pipe Bar), Madison, Wis.
Maroa Mfg. Co. (Riding Harrows), Maroa, Ill.
Marseilles Harrow Mfg. Co. (Triangular-Steel Frame), Marseilles, Ill.
Massey-Harris Harvester Co. (Steel), Batavia, N. Y.
Moline Plow Co. (Peg & Spring Tooth with or without Seat), Moline, Ill.
Monmouth Plow Factory (Lever), Mon-mouth, Ill.
Nash Duane H. ("Acme" Pulverizer), Millington, N. J.
National Harrow Co., Le Roy, Ill.
Ohio Cultivator Co. (Steel Lever, Cyclone Pulverizer), Bellevue, O.
Ohio Rake Co. (U Bar, Quail Spike Tooth, "Ohio" Wood Bar "Miama"), Dayton, O.
Peru Plow & Wheel Co., Peru, Ill.
Peterson Mfg. Co. (Imperial Pulverizer), Kent, O.
Pounder Geo. H. (Pounder Flexible), Ft. Atkinson, Wis.
Racine-Sattley Co. (Spike Tooth, Steel Frame, "Toga"), Springfield, Ill.
Rawlings Implement Co., 11 W Pratt, Baltimore, Md.
Reed & Rogers Mfg. Co. (Scotch), Ver-non, Ind.
Ripley Foundry & Machine Co. ("Parker" Soil Pulverizers), Ripley, O.
Ripson Wm. & Son, Youngstown, N. Y.
Rock Island Plow Co. (Steel & Wood Flexible & Lever Harrows), Rock Island, Ill.
Rockford Mfg. Co. ("Rockford," Steel & Wood Lever), Rockford, Ill.
Sargent, Osgood & Roundy Co., Ran-dolph, Vt.
Sechler D. M. Implement & Carriage Co. ("Black Hawk" Pulverizer), Moline, Ill.
South Bend Chilled Plow Co., South Bend, Ind.
Southern Plow Co. ("Arkansas," "Dixie," "Carolina" Harrows), Columbus, Ga.
Sparta Plow Works (Imperial U Bar Harrows), Sparta, Ill.
Star Mfg. Co. (Spike Tooth Harrows), Carpentersville, Ill.
Sterling Mfg. Co. (Lever), Sterling, Ill.
Swanson Plow Co., Muskogee, Okla.
Syracuse Chilled Plow Co. (Spring & Spike Tooth), Syracuse, N. Y.
Thompson Plow & Engine Works (U Bar, Steel Lever, Champion Pipe Bar), Beloit, Wis.
Tower J. D. & Sons Co. (Pulverizer, Clod Crusher & Weed Exterminator), Mendota, Ill.
Towers & Sullivan Mfg. Co. ("Pennington," Roman & Ark Side Harrow), Rome, Ga.
Vaughn Mfg. Co. (Flexible), Jefferson, Wis.
Wiard Plow Co. (Cotton & Corn), Batavia, N. Y.
Wilder-Strong Implement Co., Monroe, Mich.
Wood Walter A. Mowing & Reaping Ma-chine Co. (Disc, Spike & Spring Tooth), Hoosick Falls, N. Y.
Woodward Co. (Circular for Vineyards), Kern & G, Fresno, Cal.

5958— Harvesters

See also Harvesters & Binders, Grain

Harris Mfg. Co., Park & East, Stockton, Cal.
Holt Mfg. Co. (Caterpillar), Stockton, Cal.
International Harvester Co. ("Deering" "McCormick"), H, Harvester bldg, Chicago, Ill.
Northwest Harvester Co., E 3036 Trent, Spokane, Wash.
Vacuum Cotton Picking Mach. Co. ("Vac-uum"), 705H Market, St. Louis, Mo.

5959— Harvesters (Bean)

Akron Cultivator & Mfg. Co., 3144 E 65th, Cleveland, Ohio
Arnold's G. W. Son, Ionia, Mich
Caledonia Bean Harvester Works, Cale-donia, N. Y.
Climax Corp., Dept. H, Batavia, N. Y.
Donaldson Bros. ("Jiant." "Donaldson"), Mt. Clemens, Mich.
Emerson-Brantingham Implement Co. ("Osborne"), Rockford, Ill.
Gale Mfg. Co., Albion, Mich.
Hamachek Frank, Kewaunee, Wis.
Harris Mfg. Co., Dept. H, Park & East, Stockton, Cal.
International Harvester Co., Harvester bldg, Chicago, Ill.
Killefer Mfg. Co., Box 270, Huntington Park, Cal.
Le Roy Plow Co., Le Roy, N. Y.
Massey-Harris Harvester Co., Batavia, N. Y.
Munnsville Plow Co., Munnsville, N. Y.
Ohio Cultivator Co., Bellevue, O.
Patterson Mfg. Co., Holly, Mich.
Sterling Mfg. Co., Sterling, Ill.
Wiard Plow Co. (The Universal), Batavia, N. Y.

5960—Harvesters (Blue Grass)

King R. C. ("Kings Patent"), Carlisle, Ky.
McCormick Bros. ("McCormick"), Winchester, Ky.

5961—Harvesters (Broom Corn)

Paris Foundry & Machine Works ("Paris"), Paris, Ill.

5962—Harvesters (Combined)

Harris Mfg. Co. ("Harris"), Dept. H, Park & East, Stockton, Cal.
Holt Mfg. Co., Stockton, Cal.

5963— Harvesters (Corn)

Bennet H. L. & Co., Westerville, O.
Blue Valley Mfg. Co., Manhattan, Kan.
Dain Mfg. Co., Ottumwa, Ia.
Fleming & Sons Mfg. Co., Huntsville, Mo.
Independent Harvester Co., Piano, Ill.
International Harvester Co. H, Harvester bldg, Chicago, Ill.
Jeschke Edw., Bellevue, O.
Kansas City Hay Press Co., ft of 4th St Viaduct, Kansas City, Mo.
Massey-Harris Harvester Co., Batavia, N. Y.
Moline Plow Co. ("Adriance"), Moline, Ill.
Ohio Rake Co. ("Standard" Steel), Dayton, O.
Superior Hay Stacker Mfg. Co. (2 row), Linneus, Mo.
Ziegler W. F., Salina, Kan.

5964— Harvesters (Pea)

Blocki F. Co. (Pea), Sheboygan, Wis.
Cardwell Machine Co., 1900 E. Cary, Richmond, Va.
Gaterman Mfg. Co., Manitowoc, Wis.
Gordon L. S., Elizabeth City, N. C.
Owens J. L. Co., Fulton & S E Huron, Min-neapolis, Minn.
Port Huron Engine & Thresher Co., Port Huron, Mich.

Harvesters (Potato)

See Diggers, Potato

5965— Harvesters (Rice)

Harris Mfg. Co., Dept. H, Park & East, Stockton, Cal.
International Harvester Company of Amer-ica (Inc.) (McCormick-Deering), Harvester bldg, Chicago, Ill.

5966—Harvesters & Binders (Grain)

Acme Harvesting Machine Co. (Com-bined), Peoria, Ill.
Emerson-Brantingham Co. ("E. B. Os-born"), Rockford, Ill.
Massey-Harris Harvester Co., Batavia, N. Y.
Moline Plow Co. ("Adriance"), Moline, Ill.
Seiberling & Miller Co., Doylestown, O.
Wood Walter A. Mowing & Reaping Ma-chine Co. ("New Century"), Hoosick Falls, N. Y.

5966a—Hasps (Automatic & Safety)

Griffin Mfg. Co., Erie, Pa.
Stanley Works, New Britain, Conn.

5966b—*Hasps (Basket & Crate)

Grammes L. F. & Sons, 311 Union, Allen-town, Pa. *See adv index at end of book*
Stanley Works, New Britain, Conn.
Western Brass Mfg. Wks. (Door & Chest), Dept. H, Marshall blvd & 21st, Chicago, Ill.

5966c—*Hasps (Wrought Steel)

Griffin Mfg. Co., Erie, Pa.
Stanley Works (Wire or Without Hooks), New Britain, Conn.

Hasps (Hinge)

See Hasps & Staples

5967— Hasps & Staples

See also Staples

Auer John Jr. (Wrought, also Hasps, with Eye Bolts, etc.), 197 Middleton, Brooklyn, N. Y.
Beehler Steel Products Co., 1449 N 13th, St. Louis, Mo.
See adv index at end of book
Brainerd Mfg. Co. (Basket, Crate & Box), East Rochester, N. Y.
Buffum Tool Co. ("Swastika," Hasps Only), South Side, Louisiana, Mo.
Corbin Cabinet Lock Co., New Britain, Conn.
Corbin P. & F. ("Corbin"), Dept. H, New Britain, Conn.
Cronk & Carrier Mfg. Co., 150 Lake, El-mira, N. Y.
Griffin Mfg. Co. (Also Wrought Steel Hinge Hasps), Erie, Pa.
Hager C. & Sons Hinge Mfg. Co. (Wrought Hasps, Hooks & Staples), St. Louis, Mo.
Landers, Frary & Clark (Wrought), New Britain, Conn.
Lanz M. & Sons (Hinge Hasps), 3907 Car-son, Pittsburgh, Pa.
Laughlin Thos. Co., 135 Fore, Portland, Me.
See adv index at end of book
Lawrence Bros. (Wrought Iron), Sterling, Ill.
McKinney Mfg. Co., Liverpool & Metro-politan, Pittsburgh, Pa.
National Mfg. Co. (All Steel, Also Auto-matic Safety Latching), Sterling, Ill.
Ney Mfg. Co., Canton, O.
Western Brass Mfg. Works (Cast Brass or Bronze), Marshall blvd & W 21st, Chicago, Ill.
Wilcox, Crittenden & Co., Inc. (Malleable Iron & Brass Hinge Hasps), 444 S Main, Middletown, Conn.
See adv index at end of book

5967a— Hat Cones

INTERNATIONAL NICKEL COMPANY THE, 67 Wall st., New York. (See insert under Monel Metal)
See adv index at end of book
Schaefer Co., Emil, 1320 N 5th, Phila., Pa.
Sholes, Inc., 186 Lafayette, New York

5968— Hatchet Mfrs.

American Axe & Tool Co. (All Kinds), Glassport, Pa., & 253 B'way, New York
Arcade Mfg. Co. (Cast Shingling, etc.), Freeport, Ill.
Burgess-Norton Mfg. Co., Geneva, Ill.
Collins Co., Collinsville, Conn.
Cushman Auto Tool Co., Champaign, Ill.
Duffy Mfg. Co. (Barrel), 214 W Grand av, Chicago, Ill.
Evansville Tool Works (All Kinds), 701 Maryland, Evansville, Ind.
Fulton Tool Works (Coal Miners) ("Fulco Fulton"), Huntington, W. Va.
Gray Iron Foundry Co., Reading, Pa.
Grey Iron Casting Co. ("Monarch" Cast Steel, Claw, Half, Ice, Shinging, etc.), Mt. Joy, Pa.
Griffith Tool Works ("Griffith" Rustless & "Franklin" Barrel, Box, Lathing, Shingling, Half Claw, etc.), 521 Market, Phila., Pa.
Hammond C. & Son (All Kinds), Ogonts, Pa.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
North Wayne Tool Co. ("Karadam," To-bacco, etc.), Hallowell, Me.
Peavey Mfg. Co. (Hunting), Bangor, Me.
Peck, Stow & Wilcox Co., Southington, Conn.
Plumb Fayette R. (Inc), ("Anchor"), 4837 James, Philadelphia, Pa.
Potter Mfg Co. (Cast Iron, Shingling, Half-Hatchets, also Ice or Candy), Geneva, O.
Reading Saddle & Mfg. Co. (Household), Reading, Pa.
Rocky Hill Hardware Co., Rocky Hill, Conn.

Romer Axe Tool Co., ("Romer" Claw, Half, Broad, Lathing & Shingling, Sportsman's Axe Pattern, etc.), Dunkirk, N. Y.
Rubinow Edge Tool Works, 35 Vesey, Newark, N. J.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Smith H. D. & Co. ("Perfect Handle"), Plantsville, Conn.
Stover Mfg. & Engine Co. (Cast, Shingling, etc.), Freeport, Ill.
Weston Thos. B., 708 Light, Baltimore, Md.
What Cheer Tool Co. ("What Cheer," Claw, Spiking, etc.), What Cheer, Iowa
Williams A. C. Co., (Cast Iron Only), Ravenna, O.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.
Wrightsville Hdw. Co. (Claw, Ice, Confectioners, Shingles & Half), Wrightsville, Pa.

5969-70— Hatchets (Candy)

Maag August Co., 509 W Lombard, Baltimore, Md.
Nicol & Co., 218 N Jefferson, Chicago, Ill.

Hatchets (Lathing & Shingling)

See Hatchet Mfrs.

Hats (Miners')

See Caps, Miners'

5971— Hats (Palm Leaf)

Burnett Geo. B. & Son, 36 W 4th, New York

5972— Hauls (Car)

BARTLETT & SNOW CO., C. O. (Chain & Cable Hauls), 6350 Harvard av, Cleveland, O.
See adv index at end of book
Chain Belt Co., Milwaukee, Wis.
See adv index at end of book
Fairmont Mining Machinery Co. (Endless Cable), Fairmont, W. Va.
Helmick Foundry & Machine Co., Fairmont, W. Va.
JEFFREY MFG. CO. (Wire Cable or Chain), 961 N Fourth, Columbus, O.
See adv index at end of book
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Pittsburgh Coal Washer Co., Fulton bldg, Pittsburgh, Pa.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book

5973— Haversacks

Aronoff Joseph J., Trenton, N. J.

5974— Hawks (Plasterers')

See also Trowels

Buffum Tool Co. ("Swastika," Aluminum), South Side, Louisiana, Mo.
Carls M. J., 1929 S Los Angeles, Los Angeles, Cal.
Holtum Mfg. Co., Freeport, Ill.

5975— Hawse Reels

Bethlehem Shipbuilding Corp. Ltd., Dept. H, Broadhead & Parker av, Bethlehem, Pa.
Norbom Engineering Co., Denckla bldg, Phila., Pa.
Thacher Propeller & Foundry Corp, Albany, N. Y.

5975a—Hay Unloading Tools

Myers F. E. & Bro. ("Myers"), 950 Orange, Ashland, O.
See adv index at end of book

5976—Head Chairs (Steel Plate)

Cincinnati Frog & Switch Co., Madison rd & B. & O. R. R., Okley, Cincinnati, O.
Morden Frog & Crossing Works, 208 S La Salle, Chicago, Ill.

5976a— Head Sets (Radio)

Adams Morgan Co., Upper Montclair, N. J.
Am. Elec. Co., 6401 S State, Chicago, Ill.
Am. Radio & Research Corp. ("Amrad"), 203 College av, Medford Hillside, Mass.
Auth Electrical Specialty Co., 422 53rd, New York
Averill Radio Mfg. Co., 719 E 1st, Los Angeles, Calif.
Baldwin Nathaniel, Salt Lake City, Utah
Barnes The Wallace Co., Bristol, Conn.
See adv index at end of book
Banister & Pollard Co. (Dirs.), 206 Market, Newark, N. J.
Beehler Steel Products Co. (Aluminum Case), 1449 N 13th, St. Louis, Mo.
See adv index at end of book
Brandes C. ("Brandes"), 237 Lafayette, New York
Cardwell Allen D. Mfg. Corp., 81 Prospect, B'klyn, N. Y.
Clapp Eastham Co., 139 Main, Cambridge, Mass.
Conn. Tel. & Elec. Co. ("Connecticut"), Meriden, Conn.
Couch S. H. Co., Norfolk Down, Mass.
Crocker-Wheeler Co., Ampere, N. J.
Dictograph Products Corp. ("Dictograph"), 220 W 42, New York
DOYLE-DACOSTA MFG. CO. (Coils only), Easton, Pa.
Electric Products Co., Clarkstone rd, Cleveland, Ohio
Electrical Industries Mfg. Co., 328 W 41st, New York
Electrical Products Mfg. Co., 69 Sprague, Providence, R. I.
Elwood Elec. Co., 996 Housatonic, Bridgeport, Conn.
Freed Eisemann Radio Corp. ("F-E"), Sperry bldg., Brooklyn, N. Y.
General Wireless Corp., 25 W 45th, New York
Gilbert A. C. Co. ("A. C. Gilbert"), New Haven, Conn.
Holtzer-Cabot Elec. Co., 125 Amory, Boston, Mass.
Kilbourne & Clark Mfg. Co. ("K&C"), 101 Spokane, Seattle, Wash.
Manhattan Electrical Supply Co., 17 Park pl, New York
Marshall-Gerken Co. ("Thoroughbred"), 27 W Ontario, Toledo, Ohio
Murdock Wm. J. ("Murdock"), Everett av & Carter, Chelsea, Mass.
Newmann Stearns Co. ("Red Heads"), E 12th & Walnut, Cleveland, Ohio.
Northwest Radio Service Co. ("Puget"), 1637 Westlake av, Seattle, Wash.
Pacent Elec. Co., 22 Park pl, New York
Penberthy Injector Co. ("Penberthy"), 1242 Holden av, Detroit, Mich.
Roller-Smith Co., 233 Broadway, New York
Scovill Mfg. Co. (Parts), Waterbury, Conn.
See adv index at end of book
Stanley & Patterson ("Gold Seal"), West & Hubert, New York
STROMBERG CARLSON TEL. MFG. CO., 1050 University av, Rochester, N. Y.
Tower Mfg. Co. ("Tower"), Brookline, Mass.
Turney Eugene T. Laboratories ("Turney"), 351 6th av, Newark, N. J.
Waterbury Button Corp., 331 S Main, Waterbury, Conn.
See adv index at end of book
Western Elec. Co., 462 W B'way, New York
Westinghouse Electric & Mfg. Co., E Pittsburgh, Pa.
See adv index at end of book
Wireless Improvement Co., 66 York, Jersey City, N. J.

5977— Headers (Barrel)

Hyson Tool & Supply Co., 4758 Easton av, St. Louis, Mo.
Swett A. L. Iron Works (Or Barrel Presses), Medina, N. Y.
Tanner D. F., Holland, N. Y.
Youngstown Pressed Steel Co., Warren, O.
See adv index at end of book

5978— *Headers (Fruit Can)

BLISS E. W. CO., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book

5979— Headers (Grain)

Acme Harvesting Machine Co. ("Hodges & Craver"), Peoria, Ill.
International Harvester Company of America (Inc.,) (Deering-McCormick), Harvester bldg., Chicago, Ill.
Massey-Harris Harvester Co. ("Continental"), Batavia, N. Y.
Reschke Machine Wks. Co. (Reschke Kaffir), Wichita, Kans.
Wood Walter A. Mowing & Reaping Machine Co., Hoosick Falls, N. Y.

5979a— Headers-Welded

Austin Welding Works, 555 W Quincy, Chicago, Ill.
Ballwood Co., The, 30 Church, New York.
Limbert Geo. B. Co., 558 Fulton, Chicago, Ill.
National Valve & Mfg. Co., 3101 Liberty av., Pittsburgh, Pa.
Walworth Mfg. Co., 798 1st, South Boston, Mass.
Whitlock Coil Pipe Co., Hartford, Conn.

5980-1—Headlights (Acetylene Gas)

A. G. A. Railway Light & Signals, Elizabeth, N. J.
Adams & Westlake Co., 319 W Ontario, Chicago, Ill.
Dayton Mfg. Co., Dayton, O.
Handlan-Buck Mfg. Co., 210-14 N 3d, St. Louis, Mo.
MacLeod Co., 2227 Bogen, Cinn., O.
See adv index at end of book
Milburn Alexander Co., 1420 W Baltimore, Baltimore, Md.
Smith of N. Y. Co., 1 Franklin sq., New York
United States Headlight Co., Buffalo, N. Y.

Headlights (Arc)

See Headlights, Electric Car

5982—Headlights (Automobile)

See also Lamps, Automobile

Cincinnati Victor Co. ("Victor"), 710-720 Reading rd, Cincinnati, Ohio
Dietz R. E. Co. ("Dietz" Motor Truck), 60 Laight, New York
Fowler Lamp & Mfg. Co. ("Fowler," Electric & Gas), 59 E 24th, Chicago, Ill.
Hall C. M. Lamp Co. ("Solar") Hancock & Rivard, Detroit, Mich.
K.-D. Lamp Co. ("K-D"), 112 W 3rd, Cincinnati, Ohio
Kay Bee Mfg. Co., 3503 S Park av, Los Angeles, Cal.
Peck Light Co., 442 Douglas bldg, Los Angeles, Cal.
S. & M. Lamp Co. ("S. & M."), 118 W 36th, Los Angeles, Cal.
Southern Railway Supply Co., 17 & Ohio, St. Louis, Mo.
Vesta Battery Corp. ("Vesta" Electric), 2100 Indiana av, Chicago, Ill.
Wheeler Reflector Co., 275 Congress, Boston, Mass.

5983—Headlights (Electric Car)

See also Headlights, Locomotive

Adams & Westlake Co. (Arc & Incandescent), 319 W Ontario, Chicago, Ill.
Crouse-Hinds Co. ("Imperial" Arc & Incandescent), Syracuse, N. Y.
Darsie Mfg. Co. ("WondeRay" & "Williams, 121 W 35th, Los Angeles, Cal.
Dayton Mfg. Co. (Arc & Incandescent, "Eureka," "Mosher," "Rex," "Venus," "Wagenhals," "Wellman"), Dayton, O.
Dressel Railway Lamp Works, 3360 Park av, New York
Electric Service Supplies Co. ("Golden Glow"), 17th & Cambria, Phila, Pa.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Ohio Brass Co. (Arc & Incandescent for Mines), Mansfield, O.
Rochester Headlight Wks. (James H. Kelly, Proprietor), Rochester, N. Y.
St. Louis Car Co., 3000 N B'way, St. Louis, Mo.
Smitht of N. Y. Co., 1 Franklin sq., New York
Star Headlight & Lantern Co., Rochester, N. Y.
Southern Railway Supply Co., 17th & Ohio, St. Louis, Mo.
United States Headlight Co., 2 Letchworth, Buffalo, N. Y.

5983a—Headlights (Electric Mine Locomotive)

Crouse-Hinds Co. ("Imperial"), Syracuse, N. Y.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Handlan-Buck Mfg. Co., 210-14 N 3d, St. Louis, Mo.
Ohio Brass Co., Mansfield, O.
United States Headlight Co., Buffalo, N. Y.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

Headlights (Incandescent)

See Headlights, Electric Car

5984—Headlights (Locomotive)

See also Headlights, Electric Car; also Headlights, Acetylene Gas; also Headlights, Oil

Adams & Westlake Co. (Also Street & Interurban), 319 W Ontario, Chicago, Ill.
Boesch Lamp Co., 962 Mission, San Francisco, Cal.
Buda Co. ("Buda Ross' Electric), Harvey, Ill.
Dayton Mfg. Co., Dayton, O.
Dressel Railway Lamp Works, 3360 Park av, New York
Electric Service Supplies Co. ("Golden Glow"), 17th & Cambria, Phila., Pa.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Handlan-Buck Mfg. Co. (Handlan), 210-14 N 3d, St. Louis, Mo.
Jeffrey Mfg. Co., 961 N Fourth, Columbus, Ohio
See adv index at end of book
Kraushaar Brass Mfg. Co. 919 Pine, St. Louis, Mo.
Loco Light Co., 139 S East, Indianapolis, Ind.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Milburn Alexander Co. (Steam Acetylene Generator), 1420 W Baltimore, Baltimore, Md.
Moon Mfg. Co. (Electric), 122 N Jefferson, Chicago, Ill.
Pyle National Co., 1334 N Kostner av, Chicago, Ill.
Schroeder Headlight & Generator Co. (Electric & Oil), Evansville, Ind.
Sherburne & Co., 53 Oliver, Boston, Mass.
Smith of N. Y. Co., 1 Franklin sq., New York
Star Headlight & Lantern Co., Rochester, N. Y.
United States Headlight Co. (Electric, Gas & Oil), 2 Letchworth, Buffalo, N. Y.
Westinghouse Electric Mfg. Co. (Electric), East Pittsburgh, Pa.
See adv index at end of book

5985— Headlights (Oil)

Adams & Westlake Co., 319 W Ontario, Chicago, Ill.
Dayton Mfg. Co., Dayton, O.

(Continued on following page)

Headlights (Oil)—Continued

Defiance Lantern & Stamping Co. (Kerosene), Rochester, N. Y.
MacLeod Co., 2227 Bogen, Cincinati, O.
See adv index at end of book
Rochester Headlight Wks. (Jas. H. Kelly, Proprietor), Rochester, N. Y.
Schroeder Headlight & Generator Co. ("Schroeder"), Evansville, Ind.
Smith of N. Y. Co., 1 Franklin sq., New York
Star Headlight & Lantern Co., Rochester, N. Y.
United States Headlight Co., 2 Letchworth, Buffalo, N. Y.

5986— Headrods

Wharton Wm. Jr. & Co. Inc. (Various Standard Styles & "Wharton O'Brien" Insulated Operating & Lock Rods), Easton, Pa.

5986a—Heads (Boiler, Cylinder & Tank)

Heggie James G. & Sons, Inc., Joliet, Ill.

5987— Heads (Boring)

Lawson & Co., Inc. (Square Holes), 115 Broadway, New York
Porter Cable Machine Co., The, 703 N Salina, Syracuse, N. Y.
See adv index at end of book
Production Engineering Corp. ("Casler" Off-Set), Canastota, N. Y.
Rickert-Shafer Co. ("R-S" adjustable), 612 W 12th, Erie, Pa.
Stow Mfg. Co. Inc. (Angle), Binghamton, N. Y.
See adv index at end of book

5988— Heads (Buffing)

General Platers' Supply Co., Inc., 103 Grand, Brooklyn, N. Y.
See adv index at end of book
Meriden Machine Tool Co., Meriden, Conn.
U. S. Electric Mfg. Co., 200 E Slauson av, Los Angeles, Cal.

5989— Heads (Casing)

Aloe A. S. Co. ("Magic"), 513 Olive, St. Louis, Mo.
Continental Supply Co. (Dirs.), Post Dispatch bldg, St. Louis, Mo.
Kane Supply Co. ("Moser," Dirs.), Kane, Pa.
Moser Mfg. Co., Kane, Pa.
Oil Well Improvement Co. (Dirs., Control), Tulsa, Okla.
Union Tool Co., H Union Oil bldg, Torrance, Cal.
Wigle & McBride, Inc. ("Wigle"), 41 American av, Long Beach, Cal.

5990—Heads (Coke Scraper)

Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Phillips Mine & Mill Supply Co., 2227 Jane, Pittsburgh, Pa.
Pittsburgh Gage & Supply Co. ("Pittsburgh"), 30th & Liberty av, Pittsburgh, Pa.
Pittsburgh Knife & Forge Co., Ridge & Chatean, Pittsburgh, Pa.
Western Tool & Forge Co., Brackenridge, Pa.

5991— Heads (Crimping)

Sigwart & Rolston, 241 2d av, Pittsburgh, Pa.

5992— Heads (Cutter)

American Woodworking Machinery Co., Rochester, N. Y.
Buettner Shelburne Machine Co. ("B. & S"), Terre Haute, Ind.
Fay J. A. & Egan Co., Cincinnati, O.
Huther Bros. Saw Mfg. Co. (for Jointing & Sticking Mouldings on Saw Tables), Rochester, N. Y.
See adv index at end of book
Lamson Cutter Head Co., 34 N Jefferson, Chicago, Ill.
Lange Mach. Wks. (Solid Steel), Aurora, Ill.
Mattison C. Machine Works, Rockford, Ill.
Orton Machine Co., 325 Fremont, San Francisco, Cal.
Philbrick Cutter Head Co., Seattle, Wash.
Porter C. O. Machinery Co. ("Porter"), 666 Front av, N. W. Grand Rapids, Mich.
Power L. & Co., 2815 Oakford, Phila., Pa.
Shimer Samuel J. & Sons (Expansion), Milton, Pa.
Smith Cannery Machine Co., 2423 1st av, Seattle, Wash.
Smith H. B. Machine Co., Smithville, N. J.
Stamm Machine Wks., Aurora, Ind.
Vulcan Steam Forging Co., 251 Rano, Buffalo, N. Y.
Woods S. A. Machine Co. ("The Planers of Wood," Convertible Disc Side), 27 Damrell, Boston, Mass.

5993—Heads (Cutter, Mining Machine)

Buettner Shelburne Machine Co. ("B. & S."), Terre Haute, Ind.

Heads (Cylinder)

See Cylinder & Tank Shells

5994— Heads (Dado)

Atkins E. C. & Co., 402 Illinois, Indianapolis, Ind.
Baldwin, Tuthill & Bolton (Groover or Dado), Grand Rapids, Mich.
Cocker Saw Mfg. Co. (Groover & Dado), Lockport, N. Y.
Disston Henry & Sons, Tacony, Phila., Pa.
HUTHER BROS. SAW MFG. CO. (Patent Groover or Dado Head), Rochester, N. Y. *See adv index at end of book*
Lamson Cutter Head Co., 34 N Jefferson, Chicago, Ill.
Mattison C. Machine Works, Rockford, Ill.
Ohlen Bishop Co. (Dado or Expansion Head for Groover), 931 Factory, Columbus, O.
Western Steel Products Co. (for Theatre & Building Fronts), New Duluth, Minn.
Yates P. B. Machine Co., Beloit, Wis.

5995— Heads (Die)

Eastern Machine Screw Corp. ("H. & G." Self-Opening & Adjustable Screw Cuttting), New Haven, Conn.
Geometric Tool Co. (Self-Opening & Adjustable Screw Cutting, "Geometer" Solid adjustable), New Haven, Conn.
Greenfield Tap & Die Corp. ("Acorn"), Greenfield, Mass.
Jarecki Mfg. Co. ("Jarecki," Die Heads & Chucks), Erie, Pa.
Jones & Lamson Mach. Co. ("Hartness" Automatic Self-Opening & Adjustable Screw Cutting), Springfield, Vt.
Landis Machine Co. (For Pipe Threading), Waynesboro, Pa.
Murchey Machine & Tool Co. (Automatic), 85 Porter, Detroit, Mich.
National Acme Mfg. Co. (Automatic), 7500 Stanton av, S. E. Cleveland, O.
Pottstown Machine Co., Pottstown, Pa.
Victor Tool Co. ("Victor"), Waynesboro, Pa.

5996— Heads (Drilling)

Ames B. C. Co. ("Ames"), North Station, Waltham, Mass.
See adv index at end of book
Hoefer Mfg. Co. (Adjustable), 155 Chicago, Freeport, Ill.
Lawson & Co., Inc., 115 Broadway, New York
Sellew Machine Tool Co., Pawtucket, R. I.
United States Drill Head Co., 1950 W 6th, Cincinnati, O.

5997— Heads (Flanged)

Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. Y.
See adv index at end of book
McAleenan Bros. Co., 25th & A. V. R. R., Pittsburgh, Pa.
Mossberg Frank Co. (Pressed Steel Discs or Heads), Attleboro, Mass.
Standard Boiler & Plate Iron Co., Niles, Ohio. *See adv index at end of book*

5998— Heads (Golf Club)

ANCHOR SAW MILLS CO., 434 Washington, New York
Burke Golf Co., Newark, O.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall st, New York. (See insert under Monel Metal)
See adv index at end of book
Kelly Axe Mfg. Co., Dept. H, Charleston, W. Va.
Moore Drop Forging Co., Springfield, Mass.
Spalding A. G. & Bros., 105 Nassau, New York
Willingham E. G. (Hardwood), Moorehead av, Memphis, Tenn.
Wilson & Co., Thos. E., 727 N Sangamon, Chicago, Ill.

5999— Heads (Grooving)

Cocker Saw Mfg. Co., Lockport, N. Y.
Lamson Cutter Head Co., 34 N Jefferson, Chicago, Ill.
Redin, Ekstrom & Co., Rockford, Ill.
See adv index at end of book
Redin John E., Rockford, Ill.

6000-1—Heads (Hard Fibre)

Continental Fibre Co. ("Bakelite-Dilecto" for Spark Coils, Spools, Magnets, Motor Coils, etc.), Newark, Del.
DELAWARE HARD FIBRE CO. (For Spark Coils, Spoons, etc), Wilmington, Del. Works: Marshallton, Del.
See adv index at end of book
Stewart Iron Works Co., 238 Stewart Blk, Cincinnati, O.
See adv index at end of book

6002—Heads (Index & Dividing)

Brown & Sharpe Mfg. Co., Providence, R. I.
Cincinnati Milling Machine Co., Cincinnati, O.
Diskow Fred C., 2105 W Lake, Chicago, Ill.
Fox Machine Co., Jackson, Mich.
Garvin Machine Co., 147 Varick, New York
New Britain Tool & Mfg Co. (Dividing), New Britain, Conn.
Reed-Prentice Co., 677 Cambridge, Worcester, Mass.
Simmons Mach. Co., Inc., 987 B'way, Albany, N. Y.
Willard Machine Co., Covington, Ky.

6003— Heads (Jointer)

Crescent Machine Co. (Safety), 512 Oak, Leetonia, O. *See adv index at end of book*
Oliver Machinery Co., Grand Rapids, Mich.
Whisler Mfg. Co., 515 W Main, Ottumwa, Iowa

6004-5— Heads (Leader)

Greason Mfg. Co. ("Rubispierre's Patent"), 108 W 99th, New York

6006— Heads (Piston)

Chester Steel Castings Co., Chester, Pa., & 407 Sansom, Phila., Pa.
Pratt & Letchworth Co., 189 Tonawanda, Buffalo, N. Y.

6007— Heads (Planer)

Crucible Steel Co. of America ("La Belle" Steel), 17 E 42d, New York
Oliver Machinery Co., Grand Rapids, Mich.

6008—Heads (Polishing & Grinding)

Builders' Iron Foundry ("Builders"), 9 Codding, Providence, R. I.
Clizbe Bros. Mfg. Co.,, Plymouth, Ind.
Goodell-Pratt Co. (Also Grinding), Greenfield, Mass.
Millers Falls Co. ("Millers Falls"), Dept. H, Millers Falls, Mass.

6009—Heads (Power Working)

Barnes Mfg. Co., 700H N Main, Mansfield, O.
Flint & Walling Mfg. Co. ("Hoosier"), Kendallville, Ind.
Humphryes Mfg. Co., Mansfield, O.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
McDonald A. Y. Mfg. Co., Dubuque, Ia.

6010— Heads (Shaper)

Crescent Machine Co. (Safety), 512 Oak, Leetonia, O. *See adv index at end of book*
Oliver Machinery Co., Grand Rapids, Mich.
Redin John E., Rockford, Ill.

Heads (Stone Boat)

See Fronts, Stone Boat

6011— Heads (Trolley Pole)

American Safety Lamp & Mine Supply Co., 1327 Capouse av, Scranton, Pa.

6012-13— Heads (Turret)

Baker Machine Co., New Bedford, Mass.
MEISSELBACH-CATUCCI MFG. CO., (For Bench & Speed Lathes), 54 Stanton, Newark, N. J.
See adv index at end of book
Milliken Machine Works (Ball), West Newton, Mass.

Hearses

See Ambulances

6013a—Heat Resisting Materials

See also Paints (Fire Resisting)

General Ceramics Co. (Clay), 50 Church, New York
Metsch Refractories Co. (Porcelain), E Liverpool, O.
Pratt Wm. E. Mfg. Co., 15 W Lake, Chicago, Ill.
Tennessee Burner Mfg. Co. (Lava), Dept. H, 36th & Av G, Chattanooga, Tenn.
Yale & Towne Co. ("Yale" Double-acting Door Closing), Dept. H, Stamford, Conn.

6013b— Heat Treated Parts

Bell David Co., Inc. (The), 1555 Fillmore av, Buffalo, N. Y.
See adv index at end of book
C. G. Spring Co. ("C. G."), Kalamazoo, Mich.

6013c—Heat Treating Apparatus

Combustion Utilities Corp., 8-10 Bridge, New York
Snead & Co., Jersey City, N. J.

6013d—Heat Treating (Steel)

Abegg & Reinhold Co., 2533 E 26th, Los Angeles, Cal.
Angelus Steel Treating Co., 2231 E 38th, Los Angeles, Cal.
Conn. Metal Treating Co., Inc., 207 Knowlton, Bridgeport, Conn.
Frasse Peter A. & Co. Inc., 417 Canal, New York. Works, Hartford, Conn.

AMERICAN ASPHALT MACHINERY COMPANY

The Luehrs System of Fluid Heat Transmission for Heating Asphalt, Tar and Bitumens
For Heating Asphalt and Tar Saturators—Prepared Roofing Manufacturing Machinery, Pipe Lines and Pumps
Battery Sealing Compound Heating and Circulating Systems
Electric Wire and Cable Impregnating Equipment
Fire-proof—Economical—Close Automatic Temperature Control

118 ST. CLAIR AVENUE EAST **CLEVELAND, OHIO**

General Mach. Wks., York, Pa.
Hercules Heat Treating Co. (Steel Toughening), 1647 E 14th, Oakland, Cal.
Larson, Chas. E., 111 N Desplaines, Chicago, Ill.
National Forge & Tool Co., Irvine, Pa.
Snead & Co., Jersey City, N. J.
Storey T. W., 51 Union av, Portland, Ore.
Williams J. H. & Co., 400 Vulcan, Buffalo, N. Y.

Heaters (Acetylene)

See Stoves, Acetylene

6014— Heaters (Air)

American Electrical Heater Co. ("American Beauty"), 6125 Woodward, Detroit, Mich.
Combustion Utilities Corp., 8-10 Bridge, New York
GENERAL ELECTRIC CO. (Electric), Schenectady, N. Y.
See adv index at end of book
Gold Car Heating & Lighting Co., 220 36th, Brooklyn, N. Y.
Griscom Russell Co. ("U-Fin" Air Preheaters), 92 West, New York
Mac Leod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Majestic Electric Development Co., 2d & Folsom, San Francisco, Cal.
Majestic Electric Development Co., 636 Howard, San Francisco, Cal.
Pease R. P. & Co., Buffalo, N. Y.
Peerless Pneumatic Systems, Inc., 108 N Jefferson, Chicago, Ill.
Power Specialty Co., 111 B'way, New York
Schutte & Koerting Co. ("S. & K."), **1251** N 12th, Phila., Pa.
See adv index at end of book
SURFACE COMBUSTION CO., THE, 334 Gerard av, Bronx, New York
See adv index at end of book
Whitlock Coil Pipe Co. **("Whitlock"),** Hartford, Conn.

6015— Heaters (Air Tight)

Crunden-Martin Mfg. Co. (Sheet Iron), 2nd & Gratiot, St. Louis, Mo.
Excelsior Stove & Mfg. Co. ("National"), Quincy, Ill.
Geisel, A. Mfg. Co. ("Victor," "Ideal," "Kolewood"), 219 S 2nd, St. Louis, Mo.
Gold Car Heating & Lighting Co., 220 36th, Brooklyn, N. Y.
Kraft A. C. (Wood), 323 W Lake, Chicago, Ill.
National Enameling & Stamping Co., 411 5th av, New York
Woolwine Metal Products Co., 2421 E 8th, Los Angeles, Cal.

Heaters (Alcohol)

See Stoves, Alcohol

6016—Heaters (Asphalt, Pitch & Tar)

See also Machinery, Asphalt

AMERICAN ASPHALT MACHINERY CO., 113 St. Clair av N E, Cleveland, O.
See adv index at end of book
Biehl Iron Works, Inc., Reading, Pa.
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
City Boiler & Machine Co., 511 N 4th, Kansas City, Mo.
Columbiana Boiler Co., Columbiana, O.
CONNERY & CO., INC., 4000 N 2nd, Phila., Pa. *See adv index at end of book*
Cummer F. D. & Son Co., Dept. H, Hanna bdlg, Cleveland, O.
Dover Boiler Works (Tar & Asphalt), Sales Office, 40 Church, New York. Works: **Dover, N. J.** *See adv index at end of book*
DUTWILER MFG. CO. (Ground & Wheel Kettles), 2437 E 23rd, Los Angeles, Cal.
East Iron & Machine Co., 351 E Market, Lima, O.
Evans F. H., Est. of, 31 Hewes, Brooklyn, N. Y.
Farrar & Trefts, Inc., Buffalo, N. Y.
Finch Mfg. Co., Scranton, Pa.
Hauck Mfg. Co., 136 10th, Brooklyn, N. Y.
See adv index at end of book

HAUCK TRADE MARK

Heaters—Asphalt, Pitch and Tar. Hauck kerosene circular flame burners for heating tar, pitch and asphalt kettles. Cheaper than coal or wood. Save 50% in time of heating and melting materials. Send for bulletin No. 132.

HAUCK MANUFACTURING COMPANY
136 10th STREET BROOKLYN, N. Y.

Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Hvass Chas. & Co., 508 E 19th, New York
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Leslie Elliott Co., Paterson, N. J.
LITTLEFORD BROS., 444 E Pearl, Cincinnati O.
See adv index at end of book
Lookout Boiler Mfg. Co., Chattanooga, Tenn.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Merrill Process Co., 70 Devonshire, Boston, Mass.
New York Central Iron Wks. Co., Inc., Dept. H, Hagerstown, Md.
PENN FOUNDRY & MFG. CO., Wyomissing, Reading, Pa.
Phillips Doup & Co. ("National"), 44th & 1st av, Brooklyn, N. Y.
Racine Boiler & Tank Co., 1523 16th, Racine, Wis.
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
Smith Samuel & Son Co., Paterson, N. J.
Stuebner G. L. Iron Works, Queensboro Terminal, Long Island City, N. Y.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Sweeney & Gray, 33-35 6th, Long Island City, N. Y.
Traylor Engineering & Mfg. Co., **Allentown, Pa.**
Turl Iron & Car Co., Inc., The, 50 Broad, **New York; Works, Newburgh, N. Y.**
Union Tank & Pipe Co., 2801 Santa **Fe av,** Los Angeles, Cal.
Union Iron Works, Hoboken, N. J.
Warren City Tank & Boiler Co., Warren, O. *See adv index at end of book*

6016a—Heaters (Asphalt Surface)

Hauck Mfg. Co., 136 10th, Brooklyn, N. Y.
See adv index at end of book

6017— Heaters (Auto Garage)

Caloric Furnace Co. ("Wasco"), 1531H Locust, Phila., Pa.
ECONOMY HEATER CO. (Gas), **110 S La** Salle, Chicago, Ill.
See adv index at end of book
Granger Co., A. D., 17 Park Row, New York
Kanneberg Roofing & Ceiling Co. ("Auto-Hot" Gas), Dept. H, Canton, Ohio
Lattner P. M. Mfg. Co., Cedar Rapids, Ia.
Pittsburgh Water Heater Co., **Jenkins** bldg, Pittsburgh, Pa.
Rose Mfg. Co. ("Neverout" Gas, Electric & Kerosene), 37th & Felbert, Phila., Pa.
Schleit W. A. Mfg. Co., Inc., Syracuse, N. Y.
Scientific Heater Co. ("Scientific" Gas & Kerosene), 2104 Superior, Cleveland, O.
Superior Mfg. Co. ("Superior" for Natural & Artificial Gas), Liverpool & River av, Pittsburgh, Pa.
Syracuse Radiator Co. **("Syraco"), Syracuse N. Y.**

6018— Heaters (Automobile & Carriage)

Channon-Hughson Co. ("Chanson"), 229H West Erie, Chicago, Ill.
Consolidated Car Heating Co. (For Electric or Gas Driven Automobiles), Albany, N. Y.
E. V. B. Mfg. Co. (Automobile), **343H York,** New Haven, Conn.
Flexible Shaft Co. ("Chicago," "Clark"), 5600 Roosevelt rd, Chicago, Ill.
Hill Pump Valve Co. ("Utility"), 4601-21 Belmont av, Chicago, Ill.
Majestic Electric Development Co., 2d & Folsom, San Francisco, Cal.
Messenger & Parks Mfg. Co. (Auto, Exhaust), Aurora, Ill.
Metal Specialties Mfg. Co. ("Presto" Electric), Dept. H, 338 N. Kedzie av, Chicago, Ill.
Perfection Heater & Mfg. Co. ("Perfection" Automobile), 6453 Carnegie av, Cleveland, Ohio
Progressive Mercantile & Mfg Co. ("Petty"), Pana, Ill.
Radiator Footwarmer Co., 107 Tioga, Ithaca, N. Y.
Rose Mfg. Co. ("Neverout"), 37th & Felbert, Phila., Pa.
Suburban Lighting Co. (Engine), Toledo, Ohio
Taplex Corp. (Manifold & Radiator Automobile Only), 104 S 4th, Brooklyn, N. Y.
Victor Mfg. & Gasket Co. (Exhaust), 5750 W Roosevelt rd, Chicago, Ill.
Wilson Stove & Mfg. Co., Valley Park, Mo.

6019— Heaters (Barrel)

Hynson Tool & Supply Co. ("Champion" Barrel & Keg), 4758 Easton av, St. Louis, Mo.
Jacobs Kenneth W. Co., 1901 St. Paul av, Milwaukee, Wis.
Manistee Iron Works Co., Manistee, Mich.
Oram John S. Co. ("Champion"), 1316 E 53rd, Cleveland, O.
Warsaw Elevator Co., Warsaw, N. Y.

Heaters (Bath)

See Heaters, Water, Bath or Tank

6019a—Heaters (Calendar Roll)

Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

6020— Heaters (Car, Coal)

Cooper Heater Co. (Hot Water), Carlisle, Pa.
Fuller-Warren Co., 32d & Wright, Wilwaukee, Wis.
Jewett & Co., Buffalo, N. Y.
Smith Peter Heater Co. (Hot Water), 6209 Hamilton, Detroit, Mich.
Spears Jas. Stove & Heating Co., 1323 Market, Phila., Pa., New York & Providence, R. I.
Vapor Car Heating Co. (Emergency Coal Stove), 1450 Railway Ex, Chicago, Ill.
Wilks S. Mfg. Co., 3517 Shields av, Chicago, Ill.

Heaters (Car, Electric)

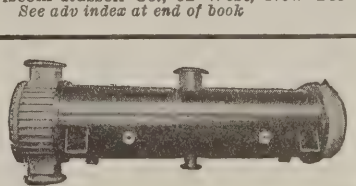
See Heaters, Electric Car

6021—Heaters (Car, Vapor System)

Elliott Water Heater Co., 9H Willoughby, Brooklyn, N. Y.
Gold Car Heating & Lighting Co., 220 36th, Brooklyn, N. Y.
Vapor Car Heating Co., 1450 Railway Ex, Chicago, Ill.

6022—*Heaters (Closed Feed Water)

Griscom-Russell Co., 92 West, New York
See adv index at end of book



Stage Heaters

For using steam bled from turbine to preheat the boiler feed



THE
GRISCOM-RUSSELL CO.
92 West Street New York

6023—Heaters (Combination)

Barber Mfg. Co. (Hot Water & Hot Air), Ashtabula, O
Barstow Stove Co. ("Barstow," "Bay State"), 116 Point, Providence, R. I.
Belleville Stove & Range Co. (Laundry Stove & Water Heater), Belleville, Ill.
Boynton Furnace Co. ("Boynton"), 106 W 37th, New York
Earley Wm. (Hot Air, Hot Water & Steam), 1216 Ridge av, Phila., Pa.
Excelsior Steel Furnace Co., 118 S Clinton, Chicago, Ill.
Giblin & Co., Utica, N. Y.
Hertig Furnace Co. ("Kohler"), 1342 Columbus av, Boston, Mass.
International Heater Co. ("Pease Economy," "International Economy"), Utica, N. Y.
Keeley Stove Co. ("Columbian"), Columbia, Pa.
Keith Furnace Co. ("Keith"), Des Moines, Ia.
Magee Furnace Co., 38 Union, Boston, Mass.
Makin Heating Co., 1827 Filbert, Phila., Pa.
March-Brownback Stove Co., Pottstown, Pa.
Monroe Foundry & Furnace Co., Monroe, Mich.
Mott J. L. Iron Works (Hot Air & Hot Water), Trenton, N. J.
Mueller L. J. Furnace Co., Milwaukee, Wis.
Peninsular Stove Co. (Hot Air & Hot Water), Detroit, Mich.
Portland Stove Foundry Co., Portland, Me.
Quaker Mfg. Co. (Hot Air & Hot Water), 180 N Dearborn, Chicago, Ill.
Sheppard Isaac A. & Co. ("Paragon"), 500H S Chester, Baltimore, Md.
Southard Robertson Co. (Laundry Stove & Hot Water), 259 Water, New York
Stamford Foundry Co. (Hot Air & Hot Water), Stamford, Conn.
Taplin, Rice, Clerkin Co., Akron, O.
Utica Heater Co., Utica, N. Y.
Walker & Pratt Mfg. Co., 31 Union, Boston, Mass.

6023a— *Heaters (Concrete)

Hauck Mfg. Co., 136 10th, Brooklyn, N. Y.
See adv index at end of book

HAUCK TRADE MARK
HEATERS—CONCRETE
Kerosene concrete heaters for heating concrete in the mixer. Makes placing of concrete in winter as safe as in summer.
Write for bulletin No. 130.
HAUCK MANUFACTURING COMPANY
136 10th STREET BROOKLYN, N. Y.

6024—Heaters (Curling Iron)

Electric Mfg. Co. ("Solar"), 966 Mission, San Francisco, Cal.
Houchin Thos. W. Co., 393 Broadway, New York
Nicol & Co. ("Aetna" Gas), 218 N Jefferson, Chicago, Ill.
Op-al Electric & Mfg. Co., 1057 W 30th, Indianapolis, Ind.

6025— Heaters (Electric)

Adams Bros. Mfg. Co. Inc., Fayette & Chateau, Pittsburgh, Pa.
Automatic Electric Heater Co., H, Lexington av, Warren, Pa.
Bridgeport Machine & Tool Mfg. Co. Inc., 304 E Wash. av, Bridgeport, Conn.
Channon-Hughson Co. ("Chanson" Car), 229H West Erie, Chicago, Ill.
Consolidated Car Heating Co. ("Consolidated" House, Office & Industrial), Dept. H, Albany, N. Y.
Copeman Electric Stove Co., Flint, Mich.
CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
Duralectric Corp. ("Duralectric" Hot Water), 6359 Penn av, Pittsburgh, Pa.
Edison Elec. Appliance Co., Inc. (Hotpoint Div.), 5600 W Taylor, Chicago, Ill
Electric Heating & Mfg. Co., H, Westlake & Republic, Seattle, Wash.
Federal Electric Welder Co. (Welding), Warren, O.
GENERAL ELECTRIC CO. (Industrial Only), Schenectady, N. Y.
See adv index at end of book
Gold Car Heating & Lighting Co., 220 36th, Brooklyn, N. Y.
Hegeman-Castle Corp. ("H. & W."), 80 E Jackson, Chicago, Ill.
Hicks W. Wesley ("Wesix"), Rialto bldg, San Francisco, Cal.
Holden & White ("H. & W."), 80 E Jackson, Chicago, Ill.
Hughes Electric Heating Co. ("Hughes" Stoves & Ranges), 5660 W Taylor, Chicago, Ill.
Hulbert Electro-Steam Mfg. Co. ("Hulbert" Electro-Steam), 76H Tehama, San Francisco, Cal.
Industrial Heater Co. (Flat Iron), 6 Reade, New York
Landers, Frary & Clark, New Britain, Conn.
Magnavox Co. ("Magnaray"), 2725 E 24th, Oakland, Cal.
Majestic Elec. Appliance Co. ("Majestic"), 590 Folsom, San Francisco, Cal.
Manning, Bowman & Co. (Cooking Utensils), Meriden, Conn.
National Stamping & Electric Wks. (White-Cross Div.), 3212 W Lake, Chicago, Ill.
Pacific Stove & Stamping Co., Idaho & Duwanish av, Seattle, Wash.
Presto Elec. Co., Inc. ("Presto"), 703 Market, San Francisco, Cal.
Prometheus Electric Co., 358 W 13th, New York
Redtop Elec. Co., 8 W 19th, New York
Russell Elect. Co. ("Hold-Heet" Engine, Radiator, Immerson & Blankets), 340 W Huron, Chicago, Ill.
Schaar & Co. ("Hexagon"), 556 W Jackson blvd., Chicago, Ill.
Simplex Electric Heating Co. ("Simplex"), Cambridge, Mass.
Sterling Electrical Corp., 2711 Church, Cleveland, O.
Thomson Electric Welding Co. ("Thomson" Rivet), Lynn, Mass.
Vulcan Electric Heating Co., 107 W 13th, New York
Western Fdry. & Furnace Co., 3002 S Chandler, Tacoma, Wash.
Westgate Metal Products Co. ("Westgate"), E 12th & 47th av, Oakland, Cal.
WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa.
See adv index at end of book
Willat Production Co. ("Everheat" Electric Reg.), 1121 Howard, San Francisco, Cal.

6026—Heaters (Electric Car)

Consolidated Car Heating Co., Albany, N. Y.
Gold Car Heating & Lighting Co., 220 36th, Brooklyn, N. Y.
Russell Electric Co. ("Hold Heet"), 340 W Huron, Chicago, Ill.

6026a—Heaters (Electric, Rivet)

See Also Furnaces (Rivet Heating)

American Car & Foundry Co., 165 B'way, New York
Hanna Engineering Works, 1764 Elston av, Chicago, Ill.

6027— Heaters (Exhaust)

Bridgeport Coach Lace Co., Bridgeport, Conn.
Western Drop Forge Co., P. O. Box 386, Marion, Ind.

6028—Heaters (Feed Water)

See also Purifiers, Feed Water

Albergen Heater Co., 281 Chicago, New York
Allen Wm. Sons Co. ("Victor," "Excelsior"), Worcester, Mass.
Bass Foundry & Machine Co., Fort Wayne, Ind.
Bates Machine & Tractor Co., Henderson, Joliet, Ill.
Berry Engineering Co., Chester, Pa.
Bethlehem Shipbuilding Corp., Ltd. (Direct Contact Locomotive), Broadhead & Parker av, Dept. H, Bethlehem, Pa.
Braun C. F. & Co., Mission rd & Fremont av, Los Angeles, Cal.
Brennan John & Co., 24th & M C R R, Detroit, Mich.
Bridgeport Boiler Works Co. ("Lowe"), Bridgeport, Conn.
Brownell Co. (Standard & Improved), Dayton, Ohio
Casey-Hedges Co., Chattanooga, Tenn.
Catchpole Boiler, Foundry & Machine Co., Geneva, N. Y.
Central Boiler Works, 5791 Russell, Detroit, Mich.
Cole R. D. Mfg. Co., Newnan, Ga.
Colles Heater & Specialty Co., 549 W Washington blvd, Chicago, Ill.
Connor W. B. Inc., 223 W 33rd, New York
Cox & Sons Co., Bridgeton, N. J.
Day Geo. F. & Son ("Day"), Rialto bldg, San Francisco, Cal.
Elliot Co., Dept. H, Jeanette, Pa.
Exeter Machine Works, Pittston, Pa.
Frost Mfg. Co. ("Frost Standard" & "Standard"), Galesburg, Ill.
Garrett W. D. & Co. ("Garrett" Heater & Oil Separator, Closed & Open), 118 E 28th, New York
Gem City Boiler Co., 331 Leo, Dayton, O.
GODFREY-KEELER CO., 70 Warren, New York
Granger Co., A. D. (Fulton Open Heaters), 17 Park Row, New York
See adv index at end of book
GRAVER CORP., 4020 Todd av, East Chicago, Ill. *See adv index at end of book*
Graves & Marshall Co., Dayton, O.
Great Lakes Engineering Works (Heaters & Purifiers), Real Est. Exch. bldg, Detroit, Mich.
Green Fuel Economizer Co., Beacon, N. Y.
GRISCOM-RUSSELL CO. ("Reilly" Closed Type, Marine & Stationary; "Goubert" Multiples, Closed Type; Russell Storage," "Massillon" Open Type, "Instanta Storage"), 92 West, New York *See adv index at end of book*

REILLY HEATER
Highest efficiency per square foot of heating surface. Every coil may be inspected without breaking pipe joints. Coils tested to 300 pounds. Millions of horse power capacity in daily use.

THE GRISCOM-RUSSELL CO.
92 West Street New York

Harris Arthur & Co. ("Harris" Coil Heater), 212 Curtis, Chicago, Ill.
HARRISBURG PIPE & PIPE BENDING CO. (Manifold or Box Type), Herr nr. 10th, Harrisburg, Pa.
Hartwell Iron Works, Houston, Tex.
Hoppes Mfg. Co. ("Hoppes"), 19 S Arch, Springfield, Ohio
Horstmann F. W. Co., Irvington, N. J.
Hussey, McCann & Co. (Compound Flue), 87 Warren, New York
Jackson & Church Co., Saginaw, Mich.
Jarvis Engine & Machine Works ("Monitor"), Lansing, Mich.
Keeler E. Co., 238 West, Williamsport, Pa.
Kellogg M. W. Co., 90 West, New York
See adv index at end of book
Kendall Heating Co., 24-26 Front, Portland, Ore.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Kroeschell Bros. Co. ("Kroeschell," "Bourgeois," Heaters & Purifiers), 440 W Erie, Chicago, Ill.
Linton Machine Co., 101 Park av, New York
Main Iron Works, 16th & Daggett, San Francisco, Cal.
Milwaukee Reliance Boiler Works ("Perfection" Heater & Purifier), 1102 32d, Milwaukee, Wis.
Murray Iron Works Co. (Open & Closed Types), Central av & Washington, Burlington, Ia.
Nason Mfg. Co. 71 Fulton, New York
See adv index at end of book
National Pipe Bending Co. ("National"), New Haven, Conn.
Northern Boiler & Structural Iron Wks., Appleton, Wis.
O'Brien Jno. Boiler Works Co., ("Weaver"), 11th & Mullanphy, St. Louis, Mo.
PATTERSON KELLEY CO. ("Standard" "Patterson" "Berryman"), 804 Architects bldg, New York
See adv index at end of book
Phaeton Heater Co., Peekskill, N. Y.
Platt Iron Works Co. ("Stillwell" Open & Closed), Dayton, O.
Power Plant Specialty Co. ("Vater" Open), 442 S Dearborn, Chicago, Ill.
Pratt & Cady Co., Inc. ("Berryman," "Gleaner" & "Hartford"), Hartford, Conn.
Ross Heater & Mfg. Co. Inc., 1407 West av, Buffalo, N. Y.
Ross Mfg. Co., Northville, Mich.
Schutte & Koerting Co. ("S. & K." Film), 1251 N 12th, Phila., Pa.
See adv index at end of book

Feed Water Heaters
Closed Type. Large capacity; small space requirements. Sizes 1,000 lbs. to 500,000 lbs. per hr. Working pressures up to 250 lbs. *Catalog 10-F.*
SCHUTTE & KOERTING CO.
1251 North 12th St., Philadelphia, Pa.

Sharkey & Peck, 2433 W 18th, Chicago, Ill.
Sims Co. ("Sims" Tubular or Closed & Open Feed Water Heaters & Purifiers), 18th & Whitley av, Erie, Pa.
Southwestern Engineering Co., 606 S Hill, Los Angeles, Cal.
Stack Heater Co., 39H Sudbury, Boston, Mass.
Standard Steam Specialty Co. ("Utility"), 366 3rd av, New York

Standard Water Systems Co. ("Tripure" Multicoil Type), Hampton, N. J.
Stewart Heater Co. (Open & Tubular; also "The Otis"), N. Tonawanda, N. Y.
Superheater Co., 17 E 42d, New York
Swartwont Co. ("Swartwont"), 18515 Euclid av, Cleveland, Ohio
Union Iron Works Co., 20th & Michigan, San Francisco, Cal.
United Iron Works, Inc., Kansas City, Mo.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Webster Warren & Co., Camden, N. J.
Weld Geo. A. Co., 79 Milk, Boston, Mass.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Wheeler C. H. Mfg. Co. (Closed), Lehigh & N 18th, Phila., Pa.
Wheeler Condenser & Engineering Co. ("Wheeler"), West Carteret, N. J.
Whitlock Coil Pipe Co. ("American Standard," "Berryman"), Hartford, Conn.
Wickes Boiler Co., The, Saginaw, Mich.
Worthington Pump & Machinery Corp. (Open & Closed), 115 B'way, New York

6029— Heaters (Fire Place)

Bibb B. C. Stove Co. (("Guilford", "Arundel", "Washington No. 2", "Radiant No. 2", "Grand Diamond No. 2"), 109 Light, Baltimore, Md.
Brooks Burner Stove Co., Ardmore, Okla.
Cain W. H. Gas Radiator Co. ("Cain Jet Systems," "Radiant Heato" Gas), 5217 Moneta av, Los Angeles, Cal
Century Stove & Mfg. Co. (Gas), Johnstown, Pa.
E. & C. Fireplace Furnace Corp., 7205 Santa Monica blvd, Los Angeles, Cal.
Heitland Grate & Mantel Co. (Hot Water), Quincy, Ill.
Minier Gas Heater Co., South Pasadena, Cal.
Pacific Gas Radiator Co. ("Pacific"), 1740 W Washington, Los Angeles, Cal.
Reading Stove Works (Orr, Painter & Co.) ("Sunshine"), Reading, Pa.
Reliable Stove Co. ("Reliable"), 1787 E 40th, Cleveland, O.
Richardson & Boynton Co. ("Perfect"), 260 5th av, New York
Sanitary Heating Co. ("Grand Solar" Gas Enclosed), 233 37th, Brooklyn, N. Y.
Sexton, S. B., & Mfg. Co., 500 W Conway, Baltimore, Md.
Sheppard Isaac A. & Co., 500H S Chester, Baltimore, Md.
Snow Mfg. Co. ("Fyre-Syde"), 2437 E 24th, Los Angeles, Cal.
Spear James Stove & Heating Co., 1323 Market, Phila., Pa.
Superior Mfg. Co. (For Natural or Artificial Gas), Liverpool & River av, Pittsburgh, Pa.
Union Stove Works ("Astor Franklin"), 70 Beekman, New York

6030— Heaters (Fuel Oil)

Anthony Co. ("Anthony"), 138H West av, Long Island City, N. Y.
Bethlehem Shipbuilding Corp., Ltd., Dept. H, Broadhead & Parker av, Bethlehem, Pa.
Braun C. F. & Co., Mission rd. & Fremont av, Los Angeles, Cal.
Coen Co. Inc., 112 Market, San Francisco, Cal.
Dover Boiler Works, Sales Office, 40 Church, New York; Works: Dover, N. J. *See adv index at end of book*
GRISCOM-RUSSELL CO., 92 West, New York. *See adv index at end of book*

Reilly Oil Heater

To preheat fuel oil in power plants





THE GRISCOM-RUSSELL CO.
92 West Street New York

Hauck Mfg. Co., 136 10th, Brooklyn, N. Y. *See adv index at end of book*
Kraft A. C., 323 W Lake, Chicago, Ill.
National Pipe Bending Co. ("National"), 110 River, New Haven, Conn.
Otis Boiler Co., Inc., 335 W 1st, Oswego, N. Y.
PATTERSON KELLEY CO., 304 Architects bldg, New York *See adv index at end of book*
POWER SPECIALTY CO. (For Refineries), 111 B'way, New York
Row & Davis Engineers, Inc., 90 West, New York
SCHUTTE & KOERTING CO. ("S. & K." Film), 1351 N 12th, Phila., Pa. *See adv index at end of book*
Staples & Pfeiffer ("S. & P."), 528 Bryant, San Francisco, Cal.
Whitlock Coil Pipe Co. ("Whitlock"), Hartford, Conn.
Witt G. E. Co., 862 Howard, San Francisco, Cal.

6031— Heaters (Gas)

See also Stoves & Heaters & Ranges, Gas

Adams Bros. Mfg. Co. Inc. ("Cheerful"), Fayette & Chateau, Pittsburgh, Pa.
American Heater Corp., 1100 N 6th, St. Louis, Mo.
American Industrial Development Co. ("Success Vented"), 85 2d, San Francisco, Cal.
Babcock C. B. Co. ("High Efficiency"), 768 Mission, San Francisco, Cal.
Bastian Morley Co. ("Water Superior"), La Porte, Ind.
Bastian W. A. Co., 2117 Violet, Los Angeles, Cal.
Braasch A. J. Heater Co., 1041 Orange Drive av, Los Angeles, Cal.
Brooks Burner Stove Co., Ardmore, Okla.
Brown & Sharpe Mfg. Co. Providence, R. I.
Cain W. H. Gas Radiator Co. ("Radiant Heater," "Cain Jet Systems"), 5217 Moneta av, Los Angeles, Cal.
Clark, Geo. M. & Co. ("Clark Jewel"), 179 N Michigan av, Chicago, Ill.
Combustion Utilities Corp., 8-10 Bridge, New York
Day & Night Solar Heater Co. ("Bailey"), 902 S Myrtle av, Monrovia, Cal.
ECONOMY HEATER CO., 110 S La Salle, Chicago, Ill. *See adv index at end of book*
General Gas Appliance Co., 103 Park av, New York
General Gas Light Co. ("Humphrey Radiantfire"), Kalamazoo, Mich.
Granger Co., A. D., 17 Park Row, New York *See adv index at end of book*
Hydro Heater Co. ("Simplex" & "Duplex" Coal Combined), Oliver bldg, Pittsburgh, Pa.
Kauffman Norton Co. ("Electrogas"), Rialto bldg, San Francisco, Cal.
Los Angeles Machine Works ("Aglow"), 316 Azusa, Los Angeles, Cal.
Lowe Heater Works, 1104 Mission, South Pasadena, Cal.
McCorkle D. H. Mfg. Co. ("Halls"), 316 12th, Oakland, Cal.
Minier Gas Heater Co., South Pasadena, Cal.
Mork Walter ("Mantlex"), Hearst & San Pablo av, Berkeley, Cal.
Odin Stove Mfg. Co., Erie, Pa.
Oliver Oil-Gas Burner & Mach. Co. ("Oliver"), Dept. H, 21st & Pine, St. Louis, Mo.
Otis Boiler Co., Inc., 335 W 1st, Oswego, N. Y.
Pacific Gas Radiator Co., 1740 W Washington, Los Angeles, Cal.
Pacific Heating Co. ("Diable"), 321 13th, Oakland, Cal.
Payne Furnace & Supply Co., 154-162 N Los Angeles, Los Angeles, Cal.
Peerless Mfg. Co., 15th & Ormsby, Louisville, Ky.
PEERLESS RANGE BOILER CORP., 110 S La Salle, Chicago, Ill. *See adv index at end of book*
Phaeton Heater Co., Peekskill, N. Y.
Potter Radiator Corp. ("Ra-Do"), 5956 Pasadena av, Los Angeles, Cal.
Power Specialty So., 111 B'way, New York
Reliable Stove Co. Division of Am. Stove Co. ("Hot Spot"), 1787 E 40th, Cleveland, O.
Sands Mfg. Co. ("Sand"), 5407H Sweeney av, Cleveland, Ohio
Stack Heater Co., 39H Sudbury, Boston, Mass.
Sun Burst Stove Mfg. Co. ("Sun-Burst Gas Radiant"), 6122 S Main, Los Angeles, Cal.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York *See adv index at end of book*
Swetland W. ("Little Giant"), 445 N Figueroa, Los Angeles, Cal.
Thermophore Mfg. Co., Kalamazoo, Mich.
Van Zandt Gas Appliance Co., 4050 Olive, St. Louis, Mo.

6032—Heaters (Gas, for Tailors' Irons)

Weiskittel A. & Son Co. ("Fire King"), 12th & E Lombard, Baltimore, Md.

6032a—Heaters (Gas Holders)

Schutte & Koerting Co., 1251 N 12th, Phila., **Pa.** *See adv index at end of book*

6033— Heaters (Gas Jet)

Cain W. H. Gas Radiator Co. ("Cain Jet Systems," "Radiant Heato"), 5217 Moneta av, Los Angeles, Cal.
Kohler Die & Specialty Co. ("Kost" Jet & Floor), De Kalb, Ill.
Ohio State Stove Co. ("Kumfy"), Columbus, O.
Parker Wire Goods Co. (Wire), 149 Washington, Worcester, Mass.
Seed Filter & Mfg. Co., 73 Franklin, New York
Woods-Sherwood Co. ("Sherwood's" Wire), 28 Union, Worcester, Mass.

6034—Heaters (Gas, Steam & Hot Water, Radiation)

American Blower Co. (Steam & Hot Water Only), 6004 Russell, Detroit, Mich.
American Industrial Development Co. ("Success Vented"), 85 2d, San Francisco, Cal.
Bastian-Morley Co. ("Superior" Automatic & Non-Automatic, Gas), La Porte, Ind.
Bryant Heater & Mfg. Co. ("Bryant" Gas), 952 E 72d, Cleveland, O.
Cain W. H. Gas Radiator Co., 5217 Moneta av, Los Angeles, Cal.
Cooper Sanitary Mfg. Co. (Gas), 34th & Chestnut, Phila., Pa.
Dayton Mfg. Co. ("Ohio M"), Dept H, Dayton, Ohio
Gurney Heater Mfg. Co., 93-95 Oliver, Boston, Mass.
Hoffman Heater Co., Lorain, O.
Holyoke Heater Co. ("Holyoke" Tank), Holyoke, Mass.
Kronquest August C. ("Maywood"), Maywood, Ill.
Miller, Wm. Range & Furnace Co., 125 E. 5th, Cincinnati, O.
Pacific Gas Heating Co. ("Marcell" & "Marvel"), 439 Sutter, San Francisco, Cal.
Pacific Gas Radiator Co., 1740 W Washington, Los Angeles, Cal.
Pittsburgh Water Heater Co., Jenkins bldg, Pittsburgh, Pa.
Potter-Strutz Radiator Corp., 5956 Pasadena av, Los Angeles, Cal.
Reliance Mfg. Co., Pasadena, Cal.
Scheeline Mfg. Co. ("Hulbert"), 76H Tehama, San Francisco, Cal.
SIMMONS JOHN CO., 100 Centre, New York *See adv index at end of book*
Smith H. B. Co. ("Smith" for Steam & Hot Water Only), Westfield, Mass.
Stevenson Edward S. ("Dewey"), New Castle, Pa.

6035— Heaters (Glue)

American Electrical Heater Co. (Electric), Detroit, Mich.
Automatic Electric Heater Co., Lexington av, Warren, Pa.
Black Bros. Co. (The), Inc., Mendota, Ill. *See adv index at end of book*
Combustion Utilities Corp., 8-10 Bridge, New York
Eclipse Fuel Engineering Co. ("Eclipse"), 100 Forbes, Rockford, Ill.
Electric Heating & Mfg. Co. ("Apfel's" Electric), Westlake & Republic, Seattle, Wash.
Francis Chas. E. Co., Rushville, Ind.
GENERAL ELECTRIC CO. (Electric), Schenectady, N. Y. *See adv index at end of book*
Hickok W. O. Mfg. Co. (Bookbinders'), Harrisburg, Pa.
Instantaneous Glue Converter Co., 3752 Montgomery & Norwood, Cincinnati, O.
Koven L. O. & Bro. (Electric & Pot), 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Kraft A. C., 323 W Lake, Chicago, Ill.
NASON MFG. CO. (Steam & Gas, economical, safe, choice of sizes), 71 Fulton, New York *See adv index at end of book*

Glue Heaters

A high-grade dependable heater in various sizes and pot combinations for steam and gas. A popular heater for all conditions for which it is designed.

NASON MFG. CO.
71 Fulton St., New York

New Advance Machine Co., Van Wert, O.
Pancoast Henry B. Co. (Steam), 950 N Front, Phila., Pa.
Pittsburgh Water Heater Co., Jenkins bldg, Pittsburgh, Pa.
Scheeline Mfg. Co. ("Hulbert"), 76H Tehama, San Francisco, Cal.
Sowers Mfg. Co., 1320 Niagara, Buffalo, N. Y.
Stuart & Peterson Co. (Steam), Burlington, N. J.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York *See adv index at end of book*
Toledo Glue Appliance Co., 611 Jefferson av, Toledo, Ohio
Towsley Jno. T. Mfg. Co. (Steam), 1037 Evans, Cincinnati, O.
Weatherly Co. (Steam), Grand Rapids, Mich.

(Continued on following page)

Heaters (Glue)—Continued

Westinghouse Electric Mfg. Co. (Electric), East Pittsburgh, Pa.
See adv index at end of book

Heaters (Gravel)

See Sand & Gravel Heaters & Dryers

Heaters (Hot Water)

See Heaters, Steam & Hot Water

6035a—*Heaters (Immersion)

Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

THE SURFACE COMBUSTION CO.

The internal heater for liquids, especially for cleaning machine parts. It's as great an advance over older methods as the gas range is over the wood fire.

THE SURFACE COMBUSTION CO.
334 Gerard Avenue Bronx, N. Y.

6036—Heaters (Incubator & Brooder)

Pittsburgh Water Heater Co., Jenkins bldg, Pittsburgh, Pa.

Heaters (Juice)

See Heaters, Sugar Juice

6037— Heaters (Ladle)

Campbell-Hausfeld Co., Harrison, O.
Hauck Mfg. Co., 136 10th, Brooklyn, N. Y.
See adv index at end of book

HAUCK TRADE MARK

HEATERS—LADLE
Oil burning ladle heaters and dryers, made in different types and sizes to meet your conditions. Write us about your requirements. 20 years foundry experience ready to serve you.

HAUCK MANUFACTURING COMPANY
136 10th STREET BROOKLYN, N. Y.

MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Monarch Engng. & Mfg. Co. ("Monarch Bell"), American bldg, Baltimore, Md.
Tropenas Co., 2243 Nostrand av, Brooklyn, N. Y.

6037a—Heaters (Lamp Chimney)

Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Excelsior Stove & Mfg. Co., Quincy, Ill.
Parker Wire Goods Co. (Wire), Worcester, Mass.
Wickwire Spencer Steel Corp. ("Natwire" Wire), 41 E 42nd, New York
See adv index at end of book
Woods-Sherwood Co. (Wire), 28 Union, Worcester, Mass.
Wrightville Hardware Co. ("Gem"), Wrightville, Pa.

6038—Heaters (Laundry Water)

Automatic Electric Heater Co., Lexington av, Warren, O.
National Pipe Bending Co. ("National"), 110 River, New Haven, Conn.
PATTERSON KELLY CO., 804 Architects bldg., New York
See adv index at end of book
Ruud Mfg. Co., 29th & Smallman, Pittsburgh, Pa.
Sims Co. ("Sims" Clean Easy, Circulating), 18th & Whitley av, Erie, Pa.
Whitlock Coil Pipe Co. ("Whitlock"), Hartford, Conn.

Heaters (Locomotive Tire)

See Furnaces, Tire Heating

6038a—Heaters (Marine, Hot Water)

Griscom-Russell Co., 92 West, New York
See adv index at end of book
PATTERSON KELLEY CO., 804 Architects bldg, New York
See adv index at end of book
Sturtevant F. B. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.

6038b— Heaters (Metering)

Pacific Copper & Brass Works Inc., 1915 East 7th, Los Angeles, Cal.

6038c— Heaters (Milk)

Burrell D. H. & Co., Inc. ("Burrell B. & W."), Little Falls, N. Y.
Creamery Package Mfg. Co. ("Economy"), 61 W Kinzie, Chicago, Ill.
Jensen Creamery Machy. Co., Nelson & Locust av, Bloomfield, N. J.

6038d— Heaters (Noiseless)

SCHUTTE & KOERTING CO. (By Direct Steam), 1251 N 12th, Phila., Pa.
See adv index at end of book

Heaters (Oil)

See Stoves & Heaters, Oil

6038e—Heaters (Open Feed Water)

Bass Foundry & Machine Co., Ft. Wayne, Ind.
Grammes F. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Griscom Russell Co., 92 West, New York
See adv index at end of book
National Pipe Bending Co. ("National"), 110 River, New Haven, Conn.

6039—Heaters or Cookers (Meal)

Buckeye Iron & Brass Works, Dayton, O.

6040— Heaters (Orchard)

AMERICAN CAN CO. ("Hot Stuff"), 120 B'way, New York
See adv index at end of book
Ames W. R. Co. ("Bolton"), 450H Irwin, San Francisco, Cal.
Lowe Heater Works, 1104 Mission, South Pasadena, Cal.
National Enameling & Stamping Co., 411 5th av, New York.
Pacific Stove & Stamping Co., Idaho & Duwanish av, Seattle, Wash.
Riverside Sheet Metal Works, 102 5th, Riverside, Cal.

6041—Heaters (Refrigerator Car)

Gold Car Heating & Lighting Co., 220 36th, Brooklyn, N. Y.
Klauer Mfg. Co., Dubuque, Ia.
Lipman Refrigerator Car & Mfg. Co., Beloit, Wis.

6042— Heaters (Sad Iron)

Adams Co. ("Adams"), Dubuque, Ia.
Chattanooga Implement & Mfg. Co., office E. C., Chattanooga, Tenn.
Fanner Mfg. Co. ("Arctic"), Cleveland, Ohio
Favorite Stove & Range Co., Piqua, Ohio
Jewett & Company ("Lawrence"), Buffalo, N. Y.
Kemp C. M. Mfg. Co. ("Climax" Automatic), 405 E Oliver, Baltimore, Md.
Odin Stove Mfg. Co., Erie, Pa.
Reliable Stove Co. ("Reliable"), 1787 E 40th, Cleveland, O.
Sager Lock Co., North, Chicago, Ill.
Waterman Henry & Bro. (Gas), 195 Lewis, New York
Williams A. C. Co., Ravenna, O.

6042a—Heaters (School Room)

Buckeye Blower Co., 425 W Town, Columbus, O.
See adv index at end of book
Haynes Langenberg Mfg. Co., 4045-57 Forest Park blvd, St. Louis, Mo.
Hero Furnace Co. ("Keystone," "Hero," "Little Giant"), Sycamore, Ill.
International Heater Co. ("International"), Utica, N. Y.
Kaustine Co. Inc., H, Niagara Life bldg, Buffalo, N. Y.
Richmond Stove Co., Richmond, Va.
Smith System Heating Co. ("Smith System" Rural), 212 S E Ontario, Minneapolis, Minn.
Virginia School Supply Co., 2000 Marshall, Richmond, Va.

6043—Heaters (Soldering Iron)

American Electrical Heater Co. (Electric), Burroughs & Woodward, Detroit, Mich.
American Gas Furnace Co., Spring & Lafayette, Elizabeth, N. J.
Best W. N., Inc., 11 B'way, New York
Bickelhaupt Geo. Skylight Works ("G. B."), 722 1th av, New York
Bryant Heater & Mfg. Co. ("Bryant" Gas), 952 E 72d, Cleveland, O.
CHICAGO FLEXIBLE SHAFT CO. ("Stewart" Gas or Oil Blast), 1150 S Central av, Chicago, Ill.
See adv index at end of book
Combustion Utilities Corp., 8-10 Bridge, New York
Crane Wm. M. Co. ("Vulcan" Gas), 18 E 41st, New York
GENERAL ELECTRIC CO. (Electric), Schenectady, N. Y.
See adv index at end of book
HAUCK MFG. CO., 136 10th, Brooklyn, N. Y. *See adv index at end of book*
Quadriga Mfg. Co. ("Quadriga"), 213 W Grand av, Chicago, Ill.
See adv index at end of book
Strong, Carlisle & Hammond Co. ("Frankfort"), 336-344 Frankfort av, N W, Cleveland, O.
U. S. Hardware & Mfg. Co. (Top Plates), 16H Warren av, Pawtucket, R. I.
Waterman Henry & Bro. (Gas), 195 Lewis, New York
Weiskittel A & Son Co ("Fire King" Gas), 12th & E Lombard, Baltimore, Md.
Youngstown Sheet & Tube Co., Youngstown, N. Y.

6044—Heaters (Steam Tube)

National Pipe Bending Co., 110H River, New Haven, Conn.
PATTERSON KELLEY CO., 804 Architects bldg, New York
See adv index at end of book
Sims & Co. ("Sims"), 18th & Whitley av, Erie, Pa.

6045-6—Heaters (Steam & Hot Water)

Firms that manufacture Hot Water Heaters only are designated thus (Hot Water) between name and address.
See also Heaters, Steam & Hot Water Trade Names; also Heating Contractors, Steam & Hot Water; also Steam Fitters' Supplies

CALIFORNIA.

LOS ANGELES—Bastian W. B. Mfg. Co., 2117 Violet
Marshall-Lock Co., 330 S San Pedro
Rotary Mfg. Co., 1526 Santa Fe av
Stephens Mfg. Co., 1119 Markstrong bldg
Thompson Alfred H., 1000 N B'way
SAN FRANCISCO—Royal Heating Co., 280 Minna
Stockton Plumbing Supply Co., 327 E Miner av

CONNECTICUT.

BRIDGEPORT—Bridgeport Machine & Tool Mfg. Co. Inc. (Hot Water), 304 E Wash av
HARTFORD—Whitlock Coil Pipe Co. ("American," Hot Water)
NEW HAVEN—Foskett & Bishop Co. National Pipe Bending Co. ("National" Hot Water), 110 River
NEW LONDON—Hopson & Chapin Mfg. Co. ("Calorio," "Hopson" "Monogram," "Pequot," Hot Water also Sectional)
NEW MILFORD—New Milford Foundry & Machine Co. ("Unique")
NORWALK—Meeker's Union Foundry Corp.
NORWICH—Richmond Radiator Co.
Young John T. Boiler Co. ("Norwich")
PUTNAM—Putnam Foundry & Machine Co. ("Plummer," "Putnam")

FLORIDA.

JACKSONVILLE—Murphy, Timothy Iron Works
Rubin, O. Iron Wks.

ILLINOIS.

CHICAGO—Am. Radiator Co. ("Arcola"), 816 Michigan av, Dept. H
Beaver Electric Constr. Co., 560 W Monroe
Clow Jas. B. & Sons, Franklin & Harrison
Ettinger J. M., 70 W Lake
Gordon Robert Inc. ("Gordon" Steam Unit), 1355 W Washington
Hardin Lavin Co. (Cut-to-fit), 4543 Cottage Grove av
Hennebohle Frank (Noiseless Hot Water), 81st & S Chicago av
Herbert Boiler Co. ("Herbert," "Junior"), 140 Root
ILLINOIS MALLEABLE IRON CO. ("Illinois," "Imico"), 1801 Diversey blvd
See adv index at end of book
International Heater Co. (of Utica, N. Y.), 1933 Wentworth av
Kellogg-Mackay Co. ("K. M. C." "Klymax"), 419 W 18th
Kewanee Boiler Co., 820 W Washington blvd
Kroeschell Bros. Co. (Steel Plate Greenhouse Boilers), 440 W Erie
Londelius C. A. & Sons Co., 847 W 63rd
Newport Boiler Co., 105 S Dearborn
Peerless Boiler Co., 190 N La Salle
Reynolds B. F. & Co. (Combination Warm Air & Hot Water), 17 W Illinois
Smith V. A. Co., 213 W Lake
Vapor Car Heating Co. (Hot Water), 1450 Railway ex
Wilks S. Mfg. Co. ("Wilks" Hot Water), 3517 Shields av
GALVA—Galva Heater Co. ("Galva," "Mulford")
GIBSON CITY—Gibson Iron Works
JOLIET—Heggie Simplex Boiler Co.
KEWANEE—Kewanee Boiler Co. ("Centur," "Great Northern," "Haxtun," "Kewanee," "Kewanee Fire Box")
Peters Pump Co. ("Gunther's" Hot Water)
ROCKFORD—American Heating & Supply Co.
SYCAMORE—Hero Furnace Co. ("Hero")

INDIANA.

EVANSVILLE — Grote F. Mfg. Co. ("Grote" Sectional), 120 3rd av
WARSAW—Maish Mfg. Co.

IOWA.

OSKALOOSA—Interstate Mfg. Co. ("Marvel")
Seevers Mfg. Co. ("Iowa," "Seevers")
RED OAK—Kerrihard Co. (Hot Water)
WATERLOO — Waterloo Steam Boiler Works.

MAINE.

PORTLAND—Portland Stove Foundry Co. (Hot Water)

MARYLAND.

BALTIMORE—Bibb B. C. Stove Co., 109H Light
Greenmount Iron & Mfg. Co., 889 Greenmount av
Sheppard Isaac A & Co. ("Paragon" "Excelsior"), 500H S Chester
Wood W. E. Co., 18 N Howard

MASSACHUSETTS.

BOSTON—Gurney Heater Mfg. Co. ("Bright Idea," "Essex," "400 Series," "Gothic" Laundry, "Gurney" Smoke Consuming Heaters, "Jacket" "Lenox" "900 Series"), 93-97 Oliver
Lord & Burnham Co. (Hot Water, Greenhouse), Little bldg
Magee Furnace Co. ("Magee"), 38 Union
Pierce, Butler & Pierce Mfg. Co., 63 Federal
Smith & Anthony Co. ("Hub"), 52 Union
Stack Heater Co., 39H Sudbury
Walker & Pratt Mfg. Co. ("Crawford," "Walker"), 31 Union
GARDNER—Royal Steam Heater Co. ("Gardner" Boiler).
LYNN—Dame Melvin A. & Son Co.
Morgan J. F. & Son
Pender R. T.
Reardon Bros. & Co.
Ryan Geo. E.
Thompson & Libby
METHUEN—Sanborn Furnace Co. ("Sanborn")
SPRINGFIELD—Cave Welding & Mfg. Co. ("Weldco"), 455 Worthington
Demarest Heater Co., 340 Main
TAUNTON—Weir Stove Co.
WATERTOWN—Walker & Pratt Mfg. Co.
WESTFIELD—Smith H. B. Co. ("Menlo" "Mercer" "Mills" "Smith" "H. B.")
WORCESTER—Allen Wm. Sons Co. ("Allen")
Stewart Boiler Works, Albany

MICHIGAN.

DETROIT—Brennan John & Co., 24th & M. C. R. R.
Smith Peter Heater Co., 6209 Hamilton
United States Radiator Corp. ("Capitol," "Capitol Winchester,") 133 E Grand River av
MONROE—Monroe Foundry & Furnace Co. **("Floral," Steam & Hot Water)**

MINNESOTA.

HOPKINS—Moran Boiler Co. ("Moran"), 2529 University av
MINNEAPOLIS—Andrews Heating Co., ("Andrews" Steel)
Roberts-Hamilton Co. ("Robaco," "Storm King"), 413 S 4th
Waterman-Waterbury Co. (Boilers), 1121 Jackson, N. E.
ST. PAUL—South Park Foundry & Machine Co. ("New Columbia")

MISSOURI.

ST. LOUIS—Universal Heater Mfg. Co. ("Jiffy" "Hi-Speed"), 1000-02 N Vanderventer av

NEW JERSEY.

BARTLEY—Bartley R. C. Co. ("Our Favorite")
Bartley Wm. & Sons ("Acme")
BRIDGETON—Cox & Sons Co.
ELIZABETH—Heating Supply & Repair Co. ("Uprite")
Hitchings & Co. (Hot Water), Dept. H, Spring
HACKETTSTOWN—Torrid Heater Co.
NEWARK—Drake W. H. Co. ("Gem Torrid" "Giant Torrid" "Royal Torrid" "Torrid"), 36 Clinton
Thatcher Furnace Co., 36 St. Francis
PATERSON—Columbia Heater Co. ("Columbia," "Hennings")

NEW YORK.

ALBANY—Bates Edw. P. (of Syracuse, N. Y.)
Hunter James, Heating & Contracting Co. ("Hunters")
BUFFALO—Case W. A. & Sons Mfg. Co. **("Buffalo," "Supreme")**
GENEVA—Catchpole Boiler Foundry & Machine Co. ("Catchpole")
Vance Jas. R. ("Columbia," "Vance")
HOOSICK FALLS—Dorr C. M. Co.
IRVINGTON—Lord & Burnham Co. (Hot Water)
NEWBURGH — Chadburn Economy Co., Savings Bank bldg

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Elliott Water Heater Co., 9H Willoughby
Roys Steam Co., 913 Gates av
Scollay Jno. A. (Est. of) ("Invincible," "Scollay"), 74 Myrtle av
Wilson & Roake, 107 Hancock

Boroughs of Manhattan and Bronx.

NEW YORK—Baker, Smith & Co. ("Baker, Smith & Co's"), 576 Greenwich
Boynton Furnace Co. ("Square Pot", "Boynton"), 106 W 37th
Central Radiator Co. ("Domic" Indirect), 41 E 42d
Esda Mfg. Co., 280 Madison av
Garrett W. D. & Co., 118 E 28th
Godfrey Keeler Co., 70 Warren
Gold Car Heating & Lighting Co:, 17 Battery pl
Gorton & Lidgerwood Co. (Self-Feeding), 96 Liberty
Graff Furnace Co., 116 Wooster
GRISCOM-RUSSELL CO. ("Goubert," "Massillon," "Reilly," "Russell"), 92 West
See adv index at end of book
Hudson Boiler Mfg. Co. ("Hudson"), 359 W 42d
Lord & Burnham Co. ("Burnham" Hot Water), 30 E 42d
Molby Boiler Co., 41 E 42d
Nason Mfg. Co., 71 Fulton
See adv index at end of book
Page Wm. H. Boiler Co. ("Monarch," "Page Sectional," "Volunteer"), 141 W 36th
PATTERSON KELLEY CO. ("Patterson"), 804 Architects bldg
See adv index at end of book
Phelps Bros. Co. ("Phelps," "Remington"), 101 Beekman
PIERCE BUTLER & PIERCE MFG. CORP. ("American," "Giant," "Improved Giant," "Pebco," "Pierce Down Draft," "Pierce, Jr.," "Spence"), 41 E 42d
Richardson & Boynton Co. ("Richardson," "Perfect"), 260 5th av
Richmond Radiator Co. ("Richmond"), 1480 B'way
Rutzler Enoch Co. ("Nonpareil"), 404 E 49th
Thatcher Furnace Co. ("Champion," "Geyser," "Higrade," "Lender," "Progress"), 135 W 35th

(End of New York City)

NORTH TONAWANDA—Niagara Radiator & Boiler Co. (Cast Iron Boilers)
Steward Heater Co. (Exhaust or Live Steam)
ORWELL—Olmstead A. E.
PORT CHESTER — Abendroth Bros. ("York"), Main
ROCHESTER—Sloan Samuel & Co. ("X-Ray" Boilers)
SYRACUSE—Bates Edw. P. Co. **("Bates")**
Kelsey Heating Co., Inc.
Syracuse Heater Co. ("Syracuse")
TROY—Aird-Don Co. ("Trojan")
UTICA—Giblin & Co. ("Standard")
Hart & Crouse Co. **("Royal")**
International Heater Co. ("International Economy"
Utica Heater Co. ("Imperial" "Superior"), Dept. H

OHIO.

AKRON—XXth Century Heating & Ventilating Co. ("XXth Century")
CINCINNATI—Hammond Heating Co., 130 E Pearl
Specialty Device Co., 106 W 3rd
U. S. Heating & Plumbing Co. ("Duplex Crown"), 1010 Linn
Williamson Foundry Co. ("Williamson" Underfeed Boilers), Marburg av, Oakley
CLEVELAND—Bacon Heater Mfg. Co., 2622 Franklin av
Cleveland Metal Products Co. ("New Perfection"), Platt av & C. & P. R. R.
Connelly D. Boiler Co., Ivanhoe rd & N. Y. & St. L. R. R.
Mouat-Squires Co. (Hot Water), 1246 W 4th
Scientific Heater Co., 2104H Superior Via.
DAYTON—Brownell Co. (Heating Boilers)
LORAIN—Hoffman Heater Co.
MARTINS FERRY—Stanton Heater Co.

OREGON

PORTLAND—West Coast Iron & Steel Works, Inc. ("Westover"), 485 N 28th

PENNSYLVANIA.

COLLEGEVILLE—Freed Heater Co. ("Charmer," "Freed," "Milton," "Roberts")
ERIE—Sims Co. ("Sims" Hot Water Generators), 18th & Whitley av
HANOVER—Davison Heating & Const. Co.
HARRISBURG—Harrisburg Mfg. & Boiler Co.
HUNTINGDON—Atlantic Radiator Co.
JOHNSTOWN—National Radiator Co. ("Novus")
LANCASTER—Monitor Bi-Loop Radiator Co. ("Monitor")
LANSDALE—Heebner & Sons ("Lansdale")
Lansdale Fndry. Co.
NORRISTOWN—Gibbons, N. I.
OIL CITY—Oil City Boiler Works ("Oil City," Steam & Hot Water Boilers)
PHILADELPHIA—Coatsville Boiler Works ("Zenith"), 111 S 15th
Earley Wm. ("Earley," Portable Hot Water & Air & Hot Water & Steam), 1216 Ridge av
Freed Heater Co., 110 Walnut, Bourse bldg
Kane Wm. Mfg. Co., 1903 E Hagert
Mershon Patent Shaking Grate Works, ("Mershon"), 5730 Westminster
Wood Jas. P. Heating Co., 239 N 4th
PITTSBURGH—Albrecht Francis J. (Bakers), 1146 Penn av.
American Radiator Co. ("Ideal"), 300 Wood
Duraelectric Corp ("Duraelectric" Hot Water), 6359 Penn av
Hydro Heater Co. ("Simplex"), Oliver bldg
Munroe R. & Sons Mfg. Corp., 23rd & Smallman
Peerless Heater Co. ("Peerless"), 7 Wood
Pittsburgh Water Heater Co. ("Economy," "Junior," "Lion," "Pittcoal," "Pittsburgh"), Jenkins bldg.
Ruud Mfg. Co. (Hot Water), 29th & Smallman
Stewart Geo. B. Co. (Automatic) Chamber of Commerce bldg., Pittsburgh, Pa.
POTTSTOWN—Sotter Bros. **("Sotter's")**
READING—Reading Scale & Machine Co. ("Imperial Sunshine," "Majestic Sunshine," "Monarch Sunshine," "Vassar")
TATAMY—Messinger Mfg. Co. ("Imperial")
TYRONE—Burley Heater Co Co ("Burley")
UNIONTOWN—Richmond Radiator Co.
WARREN—Automatic Electric Heater Co., Lexington av
WILLIAMSPORT—Keeler E. Co., 238 West
Standard Heater Co. ("Spencer" "Craig")
Williamsport Radiator Co ("Craig")
YOUNGSWOOD—Robertshaw Mfg. Co.

RHODE ISLAND.

PROVIDENCE—Allen Fire Dep't Supply Co. **("Pentecost"), 159 Aborn**
Barstow Stove Co. ("Bay State" Hot Water), **116 Point**

TENNESSEE.

CHATTANOOGA—Casey-Hedges Co. (Low Pressure Boilers)
Walsh & Weidner Boiler Co.

WASHINGTON.

SEATTLE—Markey Machinery Co. ("Marloh" Pipe Boiler), 85 Horton
Western Blower Co., 1800 9th av S
TACOMA—Birchfield Boiler Co., 2503 E 11th

WEST VIRGINIA.

CHARLESTON — Kanawha Mfg. Co. ("Bernhard" Water Tube)
WHEELING—Wheeling Corrugating Co. Pittsburgh, Pa.

WISCONSIN.

APPLETON—Northern Boiler & Structural Iron Wks
MILWAUKEE—Mueller L. J. Furnace Co. ("Mueller")
Schwab R. J. & Sons Co. ("Gilt Edge"), 283 Clinton
RACINE—Davis O. C. **("Davis")**
SHEBOYGAN—Optenberg Iron Works

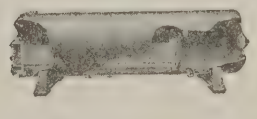
6047—Heaters (Sterilizing, Electric)

Electro Dental Mfg. Co., 33d & Arch, Phila., Pa.
Hospital Supply Co., 153 E. 23rd, New York
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

6047a— *Heaters (Storage)

Bastian W. A. Co., 2117 Violet, Los Angeles, Cal.
Griscom-Russell Co., The, 92 West st, New York *See adv index at end of book*

RUSSELL STORAGE HEATER



To supply hot water for Apartment Houses, Laundries, Hotels, etc.



THE
GRISCOM-RUSSELL CO.
92 West Street New York

(Continued on following page)

*Heaters (Storage)—Continued

PATTERSON KELLEY CO., 804 Architects bldg, New York
See adv index at end of book

6048— Heaters (Sugar Juice)

Blymyer Iron Works Co., Cincinnati, O.
Buffalo Foundry & Machine Co., 65 Winchester, Buffalo, N. Y.
See adv index at end of book
Coldwell-Wilcox Co., Newburgh, N. Y.
Deming Apparatus Co., 150 Nassau, New York
Dibert Bancroft & Ross Co. Ltd., Tulane & Hagan av, New Orleans, La.
Fogarty James H., 95 Liberty, New York
Haubtman & Loeb Co., Ltd., 618 Magazine, New Orleans, La.
Honolulu Iron Works Co., 233 Broadway, New York
Joubert & Goslin Mach. & Foundry Co., 800 N 35th, Birmingham, Ala.
Kilby Mfg. Co., 4623 Lakeside av., Cleveland, O.
Murphy, John H. Iron Works, 643 Magazine, New Orleans, La.
National Pipe Bending Co. ("National"), 110 River, New Haven, Conn.
Nazareth Foundry & Machine Co. (Also Crystalizers), Nazareth, Pa.
PATTERSON-KELLEY CO., 804 Architects bldg, New York
See adv index at end of book
Pioneer Iron Works, 149 Pioneer, Brooklyn, N. Y.
Ross Heater & Mfg. Co. Inc., 1407 West av, Buffalo, N. Y.
Sims Co. ("Sims"), 18th & Whitley av, Erie, Pa.
Squier Geo. L. Mfg. Co., Buffalo, N. Y.
Stearns-Roger Mfg. Co., 1720 Calif., Denver, Colo.
Sugar Machinery Co., 129 W 2nd, Los Angeles, Cal.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
Turl Iron & Car Co., Inc., The, 50 Broad, New York. Works: Newburgh, N. Y.
Von Phul Gilbert D., Hibernia Bk. bldg, New Orleans, La.

6049— Heaters (Surface)

Barber Asphalt Paving Co. ("Iroquois"), Land Title bldg, Phila., Pa.
Bethlehem Shipbuilding Corp., Ltd. (Feed Water), Dept. H, Broadhead & Parker av, Bethlehem, Pa.
Equitable Asphalt Maintenance Co. ("Lutz"), 1901 Campbell, Kansas City, Mo.

6050—Heaters (Tank, Stock, Etc.)

American Gas Machine Co. Inc., ("American"), Albert Lea, Minn.
Bryant Heater & Mfg. Co. ("Bryant," Gas for Steam Coil, Heated Tanks), 952 E 72nd, Cleveland, O.
Butler Co. ("Hayward," "Hot Stuff," "Klondike," "Twentieth Century"), Butler, Ind.
Butler Mfg. Co. ("B. M. C.," "New Era"), 1228 Eastern av, Kansas City, Mo.
Cedar Rapids Foundry & Machine Co., Cedar Rapids, Ia.
Cedar Rapids Pump Co. ("Acme"), Cedar Rapids, Ia.
Celina Mfg. Co. ("Monarch"), Celina, O.
Challenge Co. ("Favorite," "Challenge"), Batavia, Ill.
Chattanooga Boiler & Tank Co., Chattanooga, Tenn.
Columbian Steel Tank Co., New England bldg, Kansas City, Mo.
Cone R. D. Co., Winona, Minn.
Cox Abram Stove Co., American & Dauphin, Phila., Pa.
Dayton-Dowd Co. ("Economy"), Quincy, Ill.
Dempster Mill Mfg. Co. ("Beatrice"), Beatrice, Neb.
Drew Carrier Co. ("Grub"), Waterloo, Wis
Duluth Corrugating & Roofing Co (Return Flue), Dept. H, Duluth, Minn.
Duplex Mfg. Co. ("Badger," "Superior," "Duplex"), Superior, Wis.
Fetzer Co. ("Fetzer," "McSherry"), Springfield, Ill.
Flint & Walling Mfg. Co. ("Hoosier"), Kendallville, Ind.
Freeland B. F. Sons Co. ("Record," "Star"), Sturgis, Mich.
Gedge Bros. Iron Roofing Co. (Galvanized Steel), Anderson, Ind.
Greenville Implement Co., Greenville, Mich.
Heesen Bros. Co. ("Everlasting"), Tecumseh, Mich.
Heller-Aller Co. ("Napoleon"), Napoleon, O.
Holyoke Heater Co. ("Holyoke" Water), Holyoke, Mass.
Hudson Mfg. Co., 324 3d av N, Minneapolis, Minn.
Hunt, Helm, Ferris & Co. ("Star," "Red Hot," "Standard," "Harvard," "Cracker Jack," "Perfection," "Black Jack" & "Iron King"), Harvard, Ill.
Indiana Tank Heater Co., Argos, Ind.
James Mfg. Co., Ft. Atkinson, Wis.
Kelly Foundry & Machine Co. ("King," "K.-T.," "Everlasting," "Goshen"), Goshen, Ind.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
National Pipe Bending Co. ("National"), 110 River, New Haven, Conn.
Nelson Mfg. Co., Deerfield, Wis.
Niles Steel Tank Co., Niles, Mich.
Northfield Iron Co. (Tank), Northfield, Minn.
Northwestern Steel & Iron Works, Eau Claire, Wis.
Perkins Corp., Mishawaka, Ind.
Phelps & Bigelow Wind Mill Co. ("IXL"), Kalamazoo, Mich.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg., Pittsburgh, Pa.
See adv index at end of book
Pittsburgh Water Heater Co., Jenkins bldg, Pittsburgh, Pa.
Richmond Stove Co., 2506 E Main, Richmond, Va.
Richmond Water Softener Co. ("Weldex"), Richmond, Ind.
Ruud Mfg. Co., 29th & Smallman, Pittsburgh, Pa.
Sandwich Mfg. Co., Sandwich, Ill.
Sargent, Osgood & Roundy Co. ("Mudgett"), Randolph, Vt.
Shaw, Welsh & Co., Galesburg, Ill.
Smith & Pomeroy Windmill Co. ("Eureka"), Kalamazoo, Mich.
Stack Heater Co., 39H Sudbury, Boston, Mass.
Sterling Foundry Co. ("Best"), Sterling, Ill.
Swift Mfg. Co. (Cast Iron), Waterloo, Ia.
Trachte Bros. Co., Madison, Wis.
U. S. Wind Engine & Pump Co. ("Artic"), Batavia, Ill.
Wills Mfg. Co. ("Cow Boy"), Mendota, Ill.
Wisconsin Foundry & Machine Co., Madison, Wis.
Witt G. E. Co., 862 Howard, San Francisco, Cal.

Heaters (Tar)

See Heaters, Asphalt, Pitch & Tar

6051— Heaters (Tire)

American Gas Furnace Co., Elizabeth, N. J.
Gogel Mfg. Co., Toledo, O.
HAUCK MFG. CO., 136 10th, Brooklyn, N. Y.
See adv index at end of book
Kane & Roach (Gas), Syracuse, N. Y.
Rochester Tire Heater Co., Rochester, N. Y.
Williams, White & Co., Moline, Ill.

6052—Heaters (Tuyere Iron)

Gogel Mfg. Co. (Gas, Gasoline or Oil), Toledo, O.
Gove H. E. Mfg. Co. ("Master"), 1618 S Hill, Los Angeles, Cal.

6052a— Heaters (Unit)

BUCKEYE BLOWER CO., 425 W Town, Columbus, O.
See adv index at end of book
Ilg Electric Ventilating Co., 2850 N Crawford av, Chicago, Ill.
Nelson Herman Corp., Moline, Ill.
New York Blower Co., 608 S Dearborn, Chicago, Ill.
Peerless Unit Ventilation Co., Skillman av, New York
York Heating & Ventilating Corp., Mill, Bridgeport, Pa.

6052b— Heaters (Varnish)

Peerless Pneumatic Systems, Inc., 108 N Jefferson, Chicago, Ill.

6053—Heaters (Water, Automatic)

See also Heaters, Water, Instantaneous

Anderson-McCutchon Co. ("Anderson"), Peekskill, N. Y.
Bastian W. A. Co., 2117 Violet, Los Angeles, Cal.
Bellman W. E. ("Bellman-Seamans"), Buffalo, N. Y.
Bethlehem Shipbuilding Corp Ltd. (For Heating Direct from Steam Lines), Bethlehem, Pa.
Bryant Heater & Mfg. Co. ("Bryant"), 952 E 72nd, Cleveland, O.
Coast Heater Co., Monrovia, Cal.
ECONOMY HEATER CO. (Gas), 110 S La Salle, Chicago, Ill.
See adv index at end of book
Federal Water Heater Co. ("Thermo-Storage"), Olive at 12th, Los Angeles, Cal.
General Water Heater Corp. ("De Luxe," "Supreme" & "Regal"), 1610 Hooper av, Los Angeles, Cal.
Glendale Mfg. Co. ("Glendale"), 5396 San Fernando rd, Glendale, Cal.
Gordon A. D. ("Duplex," for Domestic Use), 231 Franklin, Buffalo, N. Y.
Gove H. E. Mfg. Co. ("Master"), 1618 S Hill, Los Angeles, Cal.
Higgins J. C. Mfg. Co. ("Rapid"), 2228 Kutner blvd, San Diego, Cal.
Hoffman Heater Co. ("Hoffman"), Lorain, Ohio
Hotstream Heater Co. (Cast Iron or Copper Coils), 1289 Marquette, Cleveland, Ohio
Hoyt Heater Co. ("Hoyt"), 2146 E 25th, Los Angeles, Cal.
Lovekin Water Heater Co., 39 Laurel, Phila., Pa.
Otis Boiler Co., Inc., 335 W 1st, Oswego, N. Y.
Pacific Engineering Laboratories Co. ("Pelco"), 2213 E 38th, Los Angeles, Cal.
Patterson Kelley Co., 804 Architects bldg, New York *See adv index at end of book*
Pittsburgh Water Heater Co., Jenkins bldg, Pittsburgh, Pa.
Pompeian Mfg. Co. ("Perfection"), E 24th & Payne, Cleveland, O.
Red Hood Heater Co., 1159 S Olive, Los Angeles, Cal.
Ruud Mfg. Co. ("Ruud"), 29th & Smallman, Pittsburgh, Pa.
Sands Mfg. Co. ("Sands"), 5407 Sweeney av, Cleveland, Ohio
Service Water Heater Co., 626 W Colorado, Glendale, Cal.
Stack Heater Co., 39H Sudbury, Boston, Mass.
Superbo Mfg. Co. ("Superbo"), 1660 Long Beach av, Los Angeles, Cal.
Thermal Appliance Co. ("Madsen"), 342 Madison av, New York
Thomas Automatic Heater Co., Jackson, Mich.
Thompson Alfred H., 1000 N B'way, Los Angeles, Cal.
Van Zandt Gas Appliance Co. (Gas), 4050 Olive, St. Louis, Mo.
White Automatic Heater Co., 812 Mateo, Los Angeles, Cal.

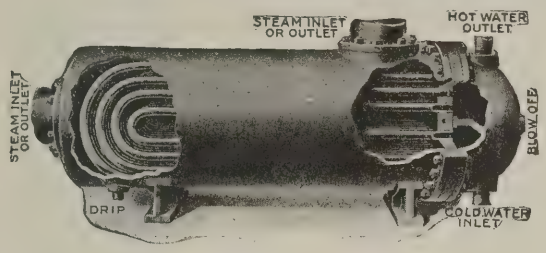
6054—Heaters (Water, Bath or Tank)

See also Heaters, Water, Instantaneous

Acme Specialty Mfg. Co. ("Acme", Gas & Gasoline), Toledo, O.
American Radiator Co. ("Ideal" Tank Heater), 820 S Michigan av, Chicago, Ill.
American Stove Co. ("Jewel," "Reliable" and "Monarch"), St. Louis, Mo., & 179 W Michigan av, Chicago, Ill.
Anderson Gas Appliance Co., 190 Madison, Portland, Ore.
Bastian W. A. Co., 2117 Violet, Los Angeles, Cal.
Bellman W. E. ("Bellman-Seamans" Automatic), Buffalo, N. Y.
Bethlehem Shipbuilding Corporation, Ltd., Bethlehem, Pa.
Bremen Mfg. Co. (Gas & Gasoline), Bremen, O.
Bryant Heater & Mfg. Co. ("Bryant," Disc Circulating Gas), 952 E 72nd, Cleveland, O.
Buckeye Blower Co., 425 W Town, Columbus, O. *See adv index at end of book*
California Hot Water Grate Co., 228 E Pico, Los Angeles, Cal.
Century Stove & Mfg. Co. ("Century" Gas), Johnstown, Pa.
Clark, Geo. M. & Co. ("Jewel"), 179 N Michigan av, Chicago, Ill.
Cleveland Heater Co. (Rex), 1905 W 112th, Cleveland, O.
Coast Heater Co., Monrovia, Cal.
Crane Wm. M. Co. ("Vulcan"), 18 E 41st, New York
Day & Night Solar Heater Co. ("Bailey," "Bailey & Boosters" & "Day & Night" Solar), 902 S Myrtle av, Monrovia, Cal.
Dayton Supply Co. ("Dayton, Ohio," Instantaneous), Dayton, O.
Eclipse Gas Stove Co. ("Eclipse" Gas), Rockford, Ill.
ECONOMY HEATER CO., 110 S La Salle, Chicago, Ill. *See adv index at end of book*
Eriez Stove & Mfg. Co. (Gas), Erie, Pa.
Estate Stove Co. ("Estate"), Hamilton, O.
Eureka Water Heater Co. ("Eureka," Gas Water Heater), 37 W. Lake, Chicago, Ill.
Federal-Huber ("Gugenstrom"), 234 N Halsted, Chicago, Ill.
Federal Water Heater Co., Olive at 12th, Los Angeles, Cal.
Fuller & Warren Co., Troy, N. Y.
General Water Heater Corp. ("Monitor"), 1610 Hooper av, Los Angeles, Cal.
Glendale Mfg. Co. ("Glendale"), 5396 San Fernando rd, Glendale, Cal.
Gove H. E. Mfg. Co. ("Master"), 1618 S Hill, Los Angeles, Cal.
Griscom-Russell Co. ("Reilly"), 92 West, New York *See adv index at end of book*
Gurney Heater Mfg. Co., 93-95 Oliver, Boston, Mass.
Higgins J. C. Mfg. Co. ("Rapid"), 2228 Kutner blvd, San Diego, Cal.
Hitchings & Co. (Bath Heaters), Spring, Elizabeth, N. J.
Hoffman Heater Co., Lorain, O.
Holyoke Heater Co. ("Holyoke"), Holyoke, Mass.
Hoyt Heater Co. ("Hoyt"), 2146 E 25th, Los Angeles, Cal.
Humphrey Co. (Gas, Tank), Kalamazoo, Mich.
Illinois Malleable Iron Co. ("Illinois" Tank), 1801 Diversey blvd, Chicago, Ill.
INGLE MFG. CO. ("Ingle" Gas or Oil), 643-49 G, San Diego, Cal.
Keeley Stove Co. ("Columbian"), Columbia, Pa.
Kewanee Boiler Co. ("Tabasco"), Kewanee, Ill.
Kronquist August C. ("Maywood"), Maywood, Ill.
Long Landreth Schneider Co. (Gas), New Brunswick, N. J.
Lord & Burnham Co. (Bath Heaters), 30 E 42nd, New York

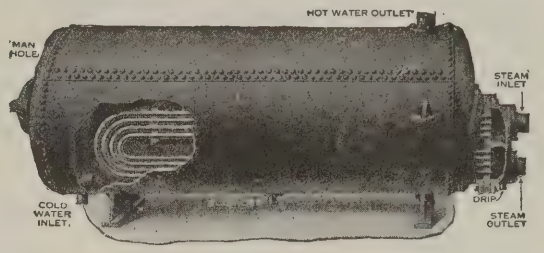
Patterson Water Heaters

for all purposes—industrial and domestic



Patterson Type D

Instantaneous Hot Water Service and Heater is ideal for installations where hot water requirements are constant—or for use as a hot water converter in heating systems. Especially adapted for swimming pools.



Patterson Type B

Combined Hot Water Service and Storage Heater is for any service where hot water requirements are not constant—or where a large volume must be stored for heavy demands. For apartment houses, hotels, laundries, etc.

Patterson Heaters are of heavy construction with '∩' shape heating sections of seamless, drawn copper tubing. Made for any working pressure and service

Patterson-Kelley Co., 804 Architects Bldg. New York

Lovekin Water Heater Co., 39 Laurel, Phila., Pa.
McDowell Mfg. Co., Stanton av., Pittsburgh, Pa.
MANNING, MAXWELL & MOORE, INC. (Hayden & Derby Mfg. Co. Div. "H. DD." Noiseless Water), 100 E 42nd, New York *See adv index at end of book*
Meerhoff Wm. H., Richmond, Ind.
Michigan Stove Co. ("Garland"), Adair & Jefferson, Detroit, Mich.
Miller Wm. Range & Furnace Co., 125 E 5th, Cincinnati, O.
Monitor Bi-Loop Radiator Co. ("Monitor"), Lancaster, Pa.
Mott J. L. Iron Works ("Sunray" Tank), Trenton, N. J.
Odin Stove Mfg. Co. (Gas), Erie, Pa.
Oil Burner Supply Co., 710 N Main, Los Angeles, Cal.
Pacific Engineering Laboratories Co. ("Pelco"), 2213 E 38th, Los Angeles, Cal.
PATTERSON-KELLEY CO., 804 Architects bldg, New York
See adv index at end of book
Peerless Range Boiler Corp., 110 S La Salle, Chicago, Ill.
See adv index at end of book
Peerless Stove & Mfg. Co. (Gas), Columbus, O.
Perry-Christenson-Campbell, Inc., 229 10th, San Diego, Cal.
PIERCE, BUTLER & PIERCE MFG. CORP., 41 E 42d, New York
Pittsburgh Water Heater Co. ("Pittsburgh," "Bungalow," "Lion"), Jenkins bldg., Pittsburgh, Pa.
Red Hood Heater Co., 1159 S Olive, Los Angeles, Cal.
Reeves S. V. ("Victor" & "Home Victor"), Water, 42 N 2d, Phila., Pa.
Richmond Radiator Co. ("Richmond"), 1480 B'way, New York
ROTARY MFG. CO. ("Universal"), 1526 Santa Fe av, Los Angeles, Cal.
Ruud Mfg. Co., 29th & Smallman, Pittsburgh, Pa.
Sand Mfg. Co. ("Augmore"), 5407 Sweeney av, Cleveland, Ohio
Schifferle Fredolin ("Gem"), 1206 S Broadway, St. Louis, Mo.
Service Water Heater Co., 626 W Colorado, Glendale, Cal.
Stack Heater Co., 39H Sudbury, Boston, Mass.
Superbo Mfg. Co. ("Superbo"), 1660 Long Beach av, Los Angeles, Cal.
Thompson Alfred H., 1000 N B'way, Los Angeles, Cal.
Triangle Water Heater Co., Monrovia, Cal.
Troop Mfg. Co., 218 1st av, Pittsburgh, Pa.
Union Stove Works (Gas "Astor," "Invader"), 70 Beekman, New York
Vogelgesang Furnace Co. ("Prize Cylinder"), Columbus, O.
Walker & Pratt Mfg. Co., 31 Union, Boston, Mass.
Weiskittel A. & Son Co. ("Fire King" Gas), 12th & E Lombard, Baltimore, Md.
Western Steel Products Co., New Duluth, Minn.
White Automatic Heater Co., 812 Mateo, Los Angeles, Cal.
Wilks S. Mfg. Co., 3517 Shields av, Chicago, Ill.
Wood Jno. Mfg. Co. ("Daisy" & Electric Weld Combination), Conshohocken, Pa.

6055—Heaters (Water Coil)

Economy Heater Co., 110 S La Salle, Chicago, Ill. *See adv index at end of book*
Glendale Mfg. Co. ("Glendale"), 5396 San Fernando rd, Glendale, Cal.
Hotstream Heater Co. (Cast Iron or Copper Coils), 1289 Marquette, Cleveland, Ohio
Lawson Mfg. Co. ("Lawson"), Lexington & Thomas, Pittsburgh, Pa.
Londelius C. A. & Sons Co. (For Concrete), 847 W 63d, Chicago, Ill.
Michigan Stove Co. ("Garland" Copper Coil), Adair & Jefferson, Detroit, Mich.
National Electric Water Heater Corp. ("Little Wonder," "Geyser"), Times bldg, Detroit, Mich.
Peerless Range Boiler Corp., 110 S La Salle, Chicago, Ill.
See adv index at end of book
Pittsburgh Water Heater Co. (Copper Coil), Jenkins bldg, Pittsburgh, Pa.
Ruud Mfg. Co. (Gas), 29th & Smallman, Pittsburgh, Pa.
Sands Mfg. Co. ("Sand"), 5407H Sweeney av, Cleveland, Ohio
Stack Heater Co. ("Indirect"), 39H Sudbury, Boston, Mass.
Specialty Device Co., 106 W 3rd, Cincinnati, Ohio
Superbo Mfg. Co. ("Superbo"), 1660 Long Beach av, Los Angeles, Cal.

6056—Heaters (Water, Electric)

American Electrical Heater Co., Burroughs & Woodward, Detroit, Mich.
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Coin Machine Mfg. Co., 984 E 17th, Portland, Ore.
CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
Diamond Elec. Water Heater Co. (Immersion), H, Kohl bldg, San Francisco, Cal.
Electric Heating & Mfg. Co. ("Copperset"), Dept. H, Westlake & Republic, Seattle, Wash.
Electric Sales-Service Co. ("Therm-Elect"), 2532 6th, Berkeley, Cal.
Electro Dental Mfg. Co. (Sterilizers & Water Heaters), 33d & Arch, Phila., Pa.
GENERAL ELECTRIC CO. (Industrial Only), Schenectady, N. Y.
See adv index at end of book
Grinnell Electric Heater Co. ("Grinnell", Instantaneous), Grinnell, Ia.
Hicks W. Wesley ("Wesix"), Rialto bldg, San Francisco, Cal.
Majestic Elec. Appliance Co. ("Majestic"), 590 Folsom, San Francisco, Cal.
Meier Dental Mfg. Co. ("Standard" Water Bottle Heaters), 3927 Olive, St. Louis, Mo.
National Electric Water Heater Corp., Times bldg, New York
Pacific Mfg. & Elec. Co. ("Everhot"), 206 N Los Angeles, Los Angeles, Cal.
Rock Island Mfg. Co., Rock Island, Ill.
Russell Electric Co. ("Hold-Heet"), 340 W Huron, Chicago, Ill.
Scheeline Mfg. Co. ("Hulbert"), 76H Tehama, San Francisco, Cal.
Simplex Electric Heating Co. ("Simplex"). Cambridge, Mass.
Stubin Geyser Elec. Water Heater Co., Steubenville, O.
Werner Electric Water Heating Co., Inc., 1221 Santa Fe av, Los Angeles, Cal.
Western Products Co. ("Instant" Portable), 829 Ward, Oakland, Cal.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book
Wocher Max & Son Co., 19 W 6th, Cincinnati, O.

Heaters (Water, Garbage Burning)

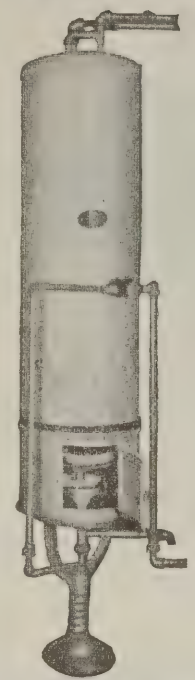
See Garbage Burners, Water Heating

6057—Heaters (Water, Instantaneous)

American District Steam Co. ("Adsco" for Heating Water Direct from Steam Lines), North Tonawanda, N. Y.
American Stove Co. ("Jewel," "National" Gas), 827 Chouteau av, St. Louis, Mo.
Anderson Gas Appliance Co., 190 Madison, Portland, Ore.
Barlow Co. ("Matchless"), Holyoke, Mass.

(Continued on following page)

Combination Gas Heating Range Boilers
FOR DOMESTIC HOT WATER SERVICE
With Interior Gas Heating Equipment



AUTOMATIC WITH THERMOVALVE CONTROL
FOR INSTANTANEOUS AND CONTINUOUS
HOT WATER SERVICE

ON STORAGE PRINCIPLE WITH GAS AS THE FUEL

ALSO

PLAIN TYPE WITHOUT THERMOVALVE CONTROL

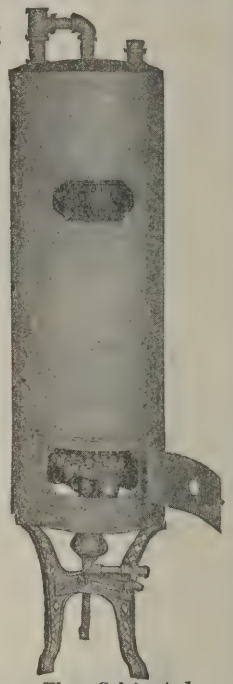
The Combination Gas Heating Range Boiler with its built-in gas heating equipment should displace the installation of plain range boilers supplemented with side gas heaters, and in many parts of the country it has done so.

"Economy" and "Peerless" gas heating range boilers are sold by Plumbing, Mill Supply and Hardware Jobbers in every state in the Union and if any one of such jobbers is not selling them, he is losing much profitable business to his competitors.

ECONOMY HEATER COMPANY
SELLING "ECONOMY"

Peerless Range Boiler Corporation
SELLING "PEERLESS"

110 South La Salle St. CHICAGO



Economy Automatic with Positive Thermovalve Control

The Celebrated Peerless Kitchen Boiler

Heaters (Water, Instantaneous) — Continued

Bastian W. A. Co., 2117 Violet, Los Angeles, Cal.
Beauvais Water Heater Co., 570 Main, Springfield, Mass.
Bridgeport Machine & Tool Mfg. Co. Inc. (Electric), 304 E Wash av, Bridgeport, Conn.
Century Stove & Mfg. Co. (Gas), Johnstown, Pa.
Cleveland Heater Co. ("Rex"), 1905 W 112th, Cleveland, O.
Crane Wm. M. Co. ("Vulcan"), 18 E 41st, New York
Detroit Stove Works ("Detroit Jewel"), 1320 Jefferson av, Detroit, Mich.
ECONOMY HEATER CO., 110 S La Salle, Chicago, Ill. *See adv index at end of book*
Federal Water Heater Co. ("Thermo-Storage"), Olive at 12th, Los Angeles, Cal.
Formica Insulation Co. ("Formica"), 4614 Spring Grove av, Cincinnati, O.
Geneva Heater Co. ("Toombs" Gas), Geneva, Ill.
Hoffman Heater Co. ("Hoffman" Automatic), Lorain, O.
Hoyt Heater Co. ("Hoyt"), 2146 E 25th, Los Angeles, Cal.
Humphrey Co. (Automatic), Kalamazoo, Mich.
Instantaneous Water Heating Co. ("Acme"), Kalamazoo, Mich.
Lawson Mfg. Co. ("Lawson" Gas & Gasoline), Lexington & Thomas, Pittsburgh, Pa.
Lovekin Water Heater Co. (Gas), 39 Laurel, Philadelphia, Pa.
McDowell Mfg. Co. ("Gable"), Stanton av, Pittsburgh, Pa.
Majestic Electric Development Co., 2d & Folsom, San Francisco, Cal.
Monarch Water Heater Co., 193 Chartis av, Pittsburgh, Pa.
Mustee Water Heater Co. ("Marvel"), 3409 Superior av, N E, Cleveland, O.
National Pipe Bending Co., 110H River, New Haven, Conn.
Parrott Heater Co. (Automatic), 406 W Jefferson, Detroit, Mich.
PATTERSON-KELLEY CO., 804 Architects bldg, New York
See adv index at end of book
Phila. Stove & Iron Foundry Co. ("Clover Triumph" Gas), 1631 N 5th, Phila., Pa.
Pittsburgh Water Heater Co. ("Pittsburgh," "Automatic," "Bungalow," "Lion"), Jenkins bldg, Pittsburgh, Pa.
Reliable Stove Co. (Gas), 1787 E 40th, Cleveland, O.
Ruud Mfg. Co. ("Ruud" Thermal Automatic Gas), 29th & Smallman, Pittsburgh, Pa.
Sands Mfg. Co., 5407 Sweeney av, Cleveland, Ohio
Schutte & Koerting Co. ("S. & K." for Ships, etc.), 1251 N 12th, Phila., Pa.
See adv index at end of book
Stack Heater Co., 39H Sudbury, Boston, Mass.
Weld Geo. A. Co., 79 Milk, Boston, Mass.
Whitlock Coil Pipe Co., Hartford, Conn.
Wood John Mfg. Co. ("Electric Weld" Gas), Conshohocken, Pa.

6058—Heating Apparatus (Car & Locomotive)

Gold Car Heating & Lighting Co., 220 36th, Brooklyn, N. Y.
Otis Boiler Co., 335 W 1st, Oswego, N. Y.
Vapor Car Heating Co., 1450 Railway Ex, Chicago, Ill.

6059—Heating Apparatus (Hot Blast)

American Blower Co., 6004 Russell, Detroit, Mich.
Am. Radiator Co. ("Vento"), 816 Michigan av, Chicago, Ill.
Atlas Heating & Ventilating Co. (Dirs.), 557-67 4th, San Francisco, Cal.
Baker, Smith & Co., 576 Greenwich, New York
BAYLEY MFG. CO. ("Bayley"), 732 Greenbush, Milwaukee, Wis.
See adv index at end of book
Buckeye Blower Co., 425 W Town, Columbus, O. *See adv index at end of book*
Buffalo Forge Co., 490 Broadway, Buffalo, N. Y.
Clarage Fan Co., North & Porter, Kalamazoo, Mich.
See adv index at end of book
Fuller-Warren Co., 32nd & Wright, Milwaukee, Wis.
Garden City Fan Co., 332 S Michigan av, Chicago, Ill.
Green Fuel Economizer Co., Beacon, N. Y.
Ilg Electric Ventilating Co., 2850 N Crawford av, Chicago, Ill.
Mass. Blower Co., Watertown, Mass.
Miller J. K. Co., Seattle, Wash.
New York Blower Co., Archer av & Canal, Chicago, Ill.
Pacific Blower & Heating Co., 224 5th, San Francisco, Cal.
Prentice L. H. Co., 330 Sherman, Chicago, Ill.
Skinner Bros. Mfg. Co. (with Blower), 10th & Tyler, St. Louis, Mo.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Welch W. M. Scientific Co., 1516 Orleans, Chicago, Ill.

6060—Heating Coils (For Steam or Hot Water Heating)

Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
Buckeye Blower Co., 425 W Town, Columbus, O. *See adv index at end of book*
Green Fuel Economizer Co., Beacon, N. Y.
National Pipe Bending Co., 110H River, New Haven, Conn.
N. Y. Blower Co., Archer av & Canal, Chicago, Ill.
Stack Heater Co. (Instantaneous Steam), 39H Sudbury, Boston, Mass.
U. S. Pipe Bending Co., 315 Howard, San Francisco, Cal.
United Lead Co. (Lined or covered with Lead or Tin), 111 B'way, New York
Wheeler Condenser & Engng. Co. ("Crescent Brand"), W Carteret, N. J.

6061—Heating Contractors (Steam & Hot Water)

Firms under this heading do Steam & Hot Water Fitting Only

ALABAMA.

MONTGOMERY—Alabama Machinery & Supply Co.

CALIFORNIA.

BERKELEY—Mork Walter, Hearst & San Pablo av
FRESNO—Standard Sheet Metal Works
GLENDALE—Glendale Sheet Metal Wks., 733 S San Fernando rd
LOS ANGELES—Dauch Heating-Engineering Co., 1009 E 9th
Hess Arthur, 1614 S Flower
Haverty Thomas Co., E 8th & Maple
Hoagland-Lakin Elec. & Engng. Co., 1707 Naud
Lohmon Bros., 232-4 S Spring
Pemberton Heating & Ventilating Co., 901 N Alameda
OAKLAND—Builders Service & Sup. Co., 306 13th
Fearey Al. M. Co., 4377 Adeline
PASADENA—Nay E. O. & Co.
SAN FRANCISCO—Atlas Heating & Ventilating Co., 557-67 4th
Gilley-Schmid Co. Inc., 182 Otis

Holbrook, Merrill & Stetson, 6th & Bluxome
Knittle-Cashel Co., 224 5th
Mangrum & Otter Inc., 827 Mission
Morgan W. & Co., Monadnock bldg
Nelson Jas. A., Inc., 1375 Howard
Pacific Blower & Heating Co., 224 5th
Pacific Gasteam Co., 571 Mission
Peterson C. Co., 390 6th
Pinkerton James H. Co., 927 Howard
Royal Heating Co., 280 Minna
Scott Co., 243 Minna
Smook Fred'k W. Co., 596 Clay
Turner Co., The, 329 Tehama
SAN JOSE—Builders Service & Sup. Co., 76 E San Fernando
Ehlert Wm., 1000 The Alameda
Western Plumbing & Sheet Metal Wks., 368 W Santa Clara

COLORADO.

DENVER—Bradbury Bros. Heating Co., 1219 Stout
Michael Heating Co., 414 W Colfax av

CONNECTICUT.

BRIDGEPORT—Wellington-Kincaid Co., Riparian av
Murray James T. & Sons, 99 Main
NEW HAVEN—Rourke Bros. Co., 962 Grand av
NEW LONDON—Hopson & Chapin Mfg. Co.
NORWICH—Barstow J. P. & Co.
PUTNAM—Putnam Foundry & Machine Co.

DISTRICT OF COLUMBIA.

WASHINGTON—Cornel W. G. Co., 19 Patterson N E
Febrey E. J. & Co., Pacific bldg
King H. R., 617 10th, N E
Stansbury Daniel R., 1304 H, N W
Zellers & Co., 1333 14th, N W

GEORGIA.

ATLANTA—Warlick Sheet Metal Mfg. Co.
AUGUSTA—Erbelding E. J. Co.

ILLINOIS.

AURORA—Biever A. W. Plumbing & Heating Co.
Trauten John J.
Walters T. E. Plumbing & Heating Co.
BELLEVILLE—Karr Supply Co.
CHICAGO—Almirall & Co., 53 W Jackson boul
Arcade Steam Heating Co., 126 W Kinzie
Baker & Smith Co., 408 N Wells
Baldwin J. P., 1304 W Washington
Claffey E. J., 10 W Illinois
Conlin Thos. Plumbing & Heating Co., 450 Oakwood av
Cook & Chick Co., 18 E Kinzie
Crane M. H. (Est. of), 189 W Madison
Davis Construction Co., 150 W Austin
Devlin Harry J., 4123 Lake Park
Dilzer Fred., 218 W Kinzie
Douglass Thos. J. & Co., 352 Whiting
Dunbar J. J. & Co., 415 Milwaukee
Gallaher & Speck, 215 W Congress
Gordon Plumbing & Heating Co., 1346 E 63d
Henning Bros., 3924 Indiana av
Henrich Geo. A., 702 N Wells
Herlihy J. J., 810 W Congress
Hess Warming & Ventilating Co. ("Hess" Steel), Dept. H, 1211 S Western
Hoier Wm. V. Co., 707 N Wells
Ideal Heating Co., 6312 Wentworth av
Ill. Electric Ventilating Co., Crawford av near Diversey blvd.
Kehm Bros. Co., 15 W Kinzie
Kehm Jno. R. Co., 8 E. Austin
Kellogg, Mackay Co., 419 W 18th
Kenwood Heating Co., 4825 St. Lawrence
Kersten S., 554 W Jackson blvd
Kirk Geo. H., 6711 Wentworth av
Kroeschell Bros. Co., 440 W Erie
Lamb F. W. Co., 24 E Kinzie
Lees Wm., 548 W Washington
McAlear Mfg. Co., 223 W Erie
Narowetz Heating & Ventg. Co., 1711 Park av
Nilson Bros., 3222 N Halsted
Olson J. H., 4012 S State
Patrick Robt. Plumbing Co., 4352 Broadway
Pearce W. H. & Co. (For Central States' Steam Plants), 333 S Dearborn
Peckham Harry, Jr., 2345 W 12th
Phillips-Getschow Co., 130 W Kinzie
Pittsburgh Piping & Equipment Co., 122 S Michigan av
POPE WM. A., 26 N Jefferson
See adv index at end of book
Prentice L. H. Co., 330 Sherman
Reger H. P. & Co., 5512 Lake Park
Rigby Ben, 604 W Lake
Schweitzer C. & R., 849 Center
Serson Hardware Co., 109 31st
Webster Warren & Co. (Webster's System), 549 W Washington
GALESBURG—Murphy Bros.
JOLIET—Meers R.
MOLINE—Moline Heating & Construction Co.
PEORIA—Johnson Chas., Hardware Co.
QUINCY—Best E., Plumbing, Heating & Supply Co.
ROCKFORD—America Heating & Supply Co.
ROCK ISLAND—Channon & Dufva

INDIANA.

GOSHEN—Sheridan Green & Co.
INDIANAPOLIS—Johnson W. H. & Son Co. (Also Ventilating & Warm Air), 330 E St. Joseph
Kruse & Dewenter, 427 E Washington
Shipp C. C. & Co., 212 Castle Hall, Indianapolis, Ind.
MUNCIE—Gallivan Jerry A. Co.
Pyhe-Werkhoff Co.
TERRE HAUTE—Prox & Burget Co.
WABASH—Hipskind Heating & Plumbing Co.

IOWA.

DES MOINES—Campbell Heating Co.

KENTUCKY.

LOUISVILLE—Clegg F. A. & Co.
NEWPORT—Fennell George H. & Co.
OWENSBORO—Guenther Hardware Co.

LOUISIANA.

NEW ORLEANS—Standard Supply Co., 420 Carroll
SHREVEPORT—Bain H. H. Sheet Metal Works
Hoke Plumbing & Heating Co.

MAINE.

PORTLAND—Fels Arthur B., 60 Union
Moulton A. H., 75 Union

MARYLAND.

BALTIMORE—Cahill W. S. Co., Key highway & Webster
Calvert Stove & Heating Co., 512 S Chester
Crook H. E. Co., Inc., 28 Light
Dobson R. P. & Co., Paca & Saratoga
Enterprise Steam & Hot Water Heating Co., 619 W Howard
Groscup Co., St. Paul & 26th
Heat & Power Corp., 424 E Saratoga
Heer Bros., 1 N Paca
Heubeck Geo. F., Jr., 128 N Fremont av
Hill Walter E. & Co., 400 N Howard
King Chas. T. & Co., 523 N Charles
Kries Henry A. & Sons Co., 8 W Lombard
Riggs, Distler & Stringer, 25 Light
Stebbins Wallace & Sons, 100 S Charles
Way S. Harry, 12 Clay
Zies Chas. & Sons Co., 320 S Fremont av
FREDERICK—Fox H. K. C.
HAGERSTOWN—Hagerstown Heating Co.

MASSACHUSETTS.

BOSTON—Barney Ventilating Fan Works (A. B. Franklin, Prop.), 25 Haverhill
Bradlee & Chatman Co., 53 State
Braman, Dow & Co., 239 Causeway
Cleghorn Co., 54 Batterymarch
Coffin Isaac Co., 52 Sudbury
Dwyer James P. Co., 183 Harrison av
Felton-Turner Heating Co., 34 Warren
Gallison W. H. Co. (High Pressure), 399-401 Atlantic av
Greene Bros., 342 Hanover
Hertig Furnace Co., 1342 Columbus av
Ingalls & Kendricken, 14 Chadn.
Lumsden & Van Stone Co., Dorchester
Lynch & Woodward, 202 Har. av
McLean & Cousens Co., 65 Chandler
Merrill Co. (High Pressure Piping), 19 Pearl
Pierce & Cox, 143 Kingston
Rice F. I. & Bennett, 36 Clardon
Ross Walter B., 263 Summer
Shearman Heating Co., 18 Union
Smith & Anthony Co., 52 Union
Webster, Warren & Co., 24 Milk
Woodward Frank E. & Co., 19 Friend
FALL RIVER—Fall River Steam & Gas Pipe Corp.
Johnston John F. Co.
FITCHBURG—Brownell-Mason Co.
Jennison Co. (Large)
Parks G. M. Co. (Large)
Whooley D. J. & Co.
GLOUCESTER—Stoddart A. P. & Co.
HOLYOKE—Holyoke Supply Co.
Holyoke Valve & Hydrant Co.
LAWRENCE—Bride, Grimes & Co.
LOWELL—Middlesex Machine Co.
MARLBORO—Ford Plumbing & Heating Co., 114 Main
NEW BEDFORD—New Bedford Boiler & Machine Co.
SPRINGFIELD—Clapp Z. C., 56 Florence
Estabrook George R., 8 New Dwight
McClean George H. Co., 77 Dwight
Morris T. J., 584 State
Wyckoff & Lloyd Co., 19 Worthington
WORCESTER—Burlingame A. Co., 149 Commercial
Hawes Edwin Co., 806 Main
Henderson P. J., 171 Foster
Holmes M. D. & Son Co., 63 Portland

MICHIGAN.

ALPENA—Eddy Engineering Co.
BAY CITY—Jennison Hardware Co.
DETROIT—Holcroft & Co., 6545H Epworth blvd
Lisb & Wight
Dodson & Card Co., 699 Howard
GRAND RAPIDS—Leitelt Adolph Iron Works
Macauley Bros.
Weatherly Co.
SAGINAW—Eureka Heating & Ventilating Co.

MINNESOTA.

DULUTH—American Heating Co.
Sturm Bros., 401½ E Superior
FERGUS FALLS—Bauer Jos.
Fergus Iron Works Co.
MANKATO—Mankato Mfg. Co.
MINNEAPOLIS—Andrews Heating Co., 203 Hennepin av
Gray W. I. & Co., 511 S 3rd
Hasey Heating Co., Wilmac bldg
Knights W. R., 1224 E Lake
Quam H. J., 3616 Portland av
Roberts-Hamilton Co., 413 S 4th
Saxton Heating Co., 405 6th av, S
Schupp Wm. & Co., 616 S 3d av
Smith System Heating Co., 212 S E Ontario
Tunstead Heating Co., 1019 6th av, S
Wintheiser A. M., Heating Contr. (Steam & Hot Water), 1518 W 22d
ST. PAUL—Roberts John D., 854 Selby, Gilfillan blk
Sparr E. E., Pioneer bldg
WINONA—Winona Heating & Ventilating Co.

MISSOURI.

KANSAS CITY—Mueller A. B. Heating Co., 2110 E 15th
ST. LOUIS—Ambler Edwin P., 2832 La Salle
Bradley Heating Co., 3834 Olive
Brockman J. R. Mfg. Co., 617 N 2nd
Brown Heating Co., 5972 Easton av
Elliott & Barry Engineering Co., 1426H Olive
Haynes-Langenberg Mfg. Co., 4045 Forest Park blvd
Modern Heating Co., 3935 Olive
Moynihan C. S., 4974 Northend
National Heating Co., 2050 Geyser av
O'Mara Heating Co., Victoria bldg
Peters-Eichler Heating Co., 1516 Pine
Skinner Bros. Mfg. Co., 10th & Tyler, St. Louis, Mo.
Sodemann Heat & Power Co., 2306 Morgan
Urbauer Atwood Htg. Co., 1450 S 2nd

NEW JERSEY.

BARTLEY—Bartley Wm. & Sons
BELLEVILLE—Jacobsen W. H.
BOUND BROOK—Williams Thos. F.
Zepp W.
BURLINGTON—Lawrence Eli, Jr.
CAMDEN—Camden Heating Co.
Lounsberry H. C.
Webster Warren & Co.
ELIZABETH—Hitchings & Co., Spring
Kleinhans Henry, 1204H E Grand
Rath H. A. Co. Inc., 1184H E Grand
HARRISON—Cooney John H.
HOBOKEN—Standard Heating Co., 8th & Jefferson
JERSEY CITY—Barclay W. A., Jr., 814 Pacific av
Finnegan Thos. J.
Lutton Wm. H. Co., West Side av
MADISON—Force Chas. C. & Son
NEWARK—Cryer T. B. Co., 249 High
Denny Bros. Co., 234 Lincoln av
Drummond W. H. Co., 60H Lafayette
Reid Jno. L., 356 Mulberry
Wolff Wm. D. & Co., 193 Clinton pl
NEW BRUNSWICK—McFadden Plumbing & Heating Co.
NEWTON—Watkins Chas. H.
PATERSON—Gurney Wm. H.
TOWN OF UNION—Manahan Bros Heating Co. (Heating)
TRENTON—Katzenbach F. S. & Co.
Trenton Plumbing & Heating Co., 366H S Broad

NEW YORK.

ALBANY—Bates E. P.
Hunter Jas. Heating & Contracting Co.
Tyler Fred A.
Warren James D.
AUBURN—Smith & Pearson, Dept. H
BEACON—Green Fuel Economizer Co.
BINGHAMTON—Gaylord & Eitapenc Co.
Lewis Mirt E.
Runyon & Ogden Co.
Shapley & Wells
BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—Burgmaster Daniel, 70 Del av
Danforth Jno. W. Co. (Large), 70 Ellicott
Frontier Plumbing & Heating Co., 353 Ellicott
Herlan Geo. J., 132 Northampton
Knepper Jno. H. & Son, 1430 Main
Ruckel J. H. & Son, 81 Main
Smith Jno. D. Co., 285 Ellicott sq
Tallmage M. F., 80 Seneca
CHARLOTTE—Whitman R.
HOOSICK FALLS—Dorr C. M. Co.
JAMESTOWN—Chatfield & Sharp
LOCKPORT—Davenport, Mart & Co.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Apel Gustav E., 575 4th av
Bedford Heating Co., 1233 Atlantic av
Chapman Hiram W., 331 Vanderbilt av

(Continued on following page)

Heating Contractors (Steam & Hot Water)—Continued

NEW YORK—NEW YORK CITY—Cont.

Dayton W. B. & Son, 258 Schermerhorn
Dean & Blake, 668 Fulton
Ficken Wm. H., 632 Parkside av
Hinchman E. G. Co., 1263 Atlantic av
Hogle Albert P. Co., 2259 Nostrand av
Ideal Heating Co., 915 Gates av
Jacobs Geo. P. & Co., 276 S 9th
Leach Henry, 45 Herkimer
Moran R. J., 1307 Atlantic av
Morse Dry Dock & Repair Co., ft 56th
Murchison Jno. R., 1101 Flatbush av
O'Brien Edw. J. & Bro., 299 Division av
Ostheimer Wm. H., 632 11th
Phillips Doup & Co., 60 Pearl
Purvis & Shelton, 241 Plymouth
Roys System Co., 915 Gates av
Sanitary Heating Co., 233 37th
Scollay John A., 74 Myrtle av
Wilson Geo. W., 612 Myrtle av

Boroughs of Manhattan and Bronx.

NEW YORK—Abbott's M. Sons, 137 8th av
Almirall & Co., 66 W Broadway
Anderson Richard, 277 W 117th
Bailey Wm. R. Inc., 273 Greenwich
Baker, Smith & Co., 576 Greenwich
Belmont Henry & Son, 103 Park av.
Boyd Jno. Plumbing, Heating Co., 400 Columbus av
Brower John, 302 W 13th
Campbell & Smiley, Inc., 30 Church
Child & Scott Co., 112 Wooster
Cornell W. G. & Co., 45 E. 17th
Crooke Heating & Ventilating Co., 150 Nassau
Cryer Return Line System, 296 Madison av
Dewey Engineering Co., 81 E 125th
Downey Wm. H., 52 William
Downs W. H., 337 W. 38th
Eccles John L. Co., 1 W 4th
Ellison & Co., 211 W 126th
Francis Bros. & Jellett Inc., 31 Union sq
Gillis & Geoghegan, 537 W B'way
Goble Frank N. (Power Plants), 1 E 42d
Graff Furnace Co., 116 Wooster
Greason Mfg. Co., 108 W 99th
Gunset Louis E., 2259 Ryer av
Hankin John & Bro., 550 W 25th
Hanner & Fredericks, 824 Amsterdam av
Hodkinson S. M., 410 W 125th
Johnson & Morris, 538 W 23d
Johnston Heating Co., 131 E 26th
Kelsey Heating Co., 565 5th av
Kirk & Bimpson, 441 W 50th
Kroepke W. H., 383 College av
Lane Ira G. Co., 1077 3d av
Lee Heating Co., 91 Hamilton pl
Lord & Burnham Co., 30 E 42d
McQuillen & Chave Inc., 198 11th av
Mason Wm. E., 416 E. 161st
Mechanical Equipment Co., 206 Centre
Merritt Jas. H. & Co., 207 Water
Mulhern Steam Heating Co., 103 Park av
Olvany William J., 100 Charles
Peterson N. F., 124 E Tremont av
Raisler Heating Co., 129 Amsterdam av
Ransom Stephen, 401 West
Rice Daniel J., 405 Lexington av
Robertson & Conry, 214 W 34th
Rutzler Enoch Co., 404 E 49th
Schneider Chas. Co., 492 E 163d
Sherwood Lorenzo W., 117 Edgecombe av
Sinnot Peter, 536 Tiffany
Smith H. B. Co., 10 E 39th
Thompson-Starrett Co., 51 Wall
Tivy Lawrence, 13 Platt
Walker & Chambers, 222 E 41st St
Wallace Geo. J. Jr., 206 E 57th
Wear Frank M., 206 E 29th
Wells & Newton Co., Av B & 17th
Williams Roger, 120 W 32nd
Wolff & Munier Inc., 405 Lexington av
Yockel Bros., 962 Washington av

Borough of Queens.

COLLEGE POINT—Reilly Engineering Co.
LONG ISLAND—Petry Jno. W. Co., 37 5th
OZONE PARK—Marasak Chas.

Borough of Richmond.

NEW BRIGHTON—Koehler F. D., 560 Richard ter
(End of New York City)
NORTH TONAWANDA—America District Steam Co. (Live & Exhaust Steam)
ROCHESTER—Natt, Bareham & McFarland Inc., 366 Main E.
SYRACUSE—Bates Edw. P. Co.
UTICA—Bates Edw. P.
Breen Thomas, 418H Lafayette
WAVERLY—Denslow Heating Co.
YONKERS—Barr A. B. & Co.
Morris Thos., Jr. (Est. of)
Williams & Cullinan

NORTH CAROLINA.

GREENSBORO—Dick W. W. (Heating & Ventilating), 246 Belle Meade
McKenzie B.

NORTH DAKOTA.

FARGO—Craig Bros.

OHIO.

CHILLICOTHE—Ringwald W. H. & Sons
CINCINNATI—Geerin Bros. & Co., 422 E 8th
Hammond Heating Co., 130 E Pearl
Love, Piket & Nulsen Co., 1640 Vine
Nichol Thos. J. & Co., 3538 Benis Evan
Niemes Henry, 4112 Hamilton av
Peck, Anderson & Peck Co., Court & Sycamore
Schlemmer Oliver Co., 8442 Curzon
Stewart S. B., 321 Terrace av Day
Williamson Heater Co., 335 W 5th
CLEVELAND—American Foundry & Construction Co., Citizens' bldg
Becker-Seidel Co., 234 E 22d
Chafer Co., 1447 Davenport N W
Chappell-Warren Co., 1330 St. Clair
Cushman Person W., 7516 Decker av, N E
Holbrook M. G., The Arcade
Mouat-Squires Co., 1246 W 4th
Pittsburg Piping & Equipment Co., American Trust bldg
Price & Walker, 707 Canal rd
Roemer J. Heating Co., 1803 E 22d
Thomson J. & A., 1232 W 11th
Van Sickle W. B., 707 Frankfort av
COLUMBUS—Columbus Heating & Ventilating Co.
MASSILLON—Justus Plumbing & Heating Co.
SANDUSKY—Brohl & Appell
TOLEDO—American Warming & Ventilating Co., 1017 Summit
Bryce Heating & Ventilating Co., The Spitzer
Burdick L. F. Co., 2011 Adams
Shaw-Kendall Engineering Co.

OKLAHOMA.

MUSKOGEE—O'Connor Company
OKLAHOMA—Dolan Thomas Heating Co.

OREGON.

PORTLAND—Alaska Plumbing & Heating Co., 363 E Morrison
Bayer Furnace Co., 204 Market
Bunce Wm. F., 224 Salmon
Hess Furnace Mfg. Co., 304½ Oak
Kendall Heating Co., 24 Front

PENNSYLVANIA.

ALLENTOWN—Hersh Bros. Co. (Also Blower Heating), 645 Mill H
Miller J., 740 Green
Taylor Wm. H. & Co.
BANGOR—Houck W. O.
BLAIRSVILLE—Tittle C. L.
BLUE BALL—Shirk P. E.
CONSHOHOCKEN—Bate Wm. T. & Son
EAST DOWNINGTOWN—Maxwell J. N.
EASTON—Stotz Bros.
HANOVER—Davison Heating & Cons. Co., 8 York, Hanover, Pa.
HARRISBURG—Froehlich Chas M.
Herre Bros., 415 Vaughn
HAZLETON—Hazleton Steam Heating Co.
JOHNSTOWN—Swank Hardware Co.
LANCASTER—Flinn & Breneman
Gutfleish A. A.
Musselman & Schwarz
Schaum John G.
NEW CASTLE—Withers R. T. Sons Co., 24 N Mercer
NORRISTOWN—Boyer J. Frank Co,
PHILADELPHIA—Anderson W .M., 606 Schuylkill
Bachley C. F., 247 S Melville
Barclay Alex M., 113 N 6th
Barnes Samuel W. & Son, 2104 N 6th
Bowers Bros. & Co. (Heating & Ventilating), 2015 Sansom
Germantown Steam Co., 349 W Hortter
McClintock A., 1937 Ridge av
Makin Heating Co., 1827 Filbert
Mershon Patent Shaking Grate Works, 5730 Westminster
Murphy Harry F. & Co., 1615 Sansom
Pancoast-Heiny B. Co., 950 N Front
Penn Engrg. Co., 312 Cherry
Phila. Steam Heating Co., 3318 Lindcaster
Quigley Jas. J. & Son, 1342 Ridge av
Rich J. & G., 126 N 6th
Scott Robt., 1512 Vine
Smith John P., 148 N 7th
Taylor Frank W. & Son, 259 S 4th
Thompson Bros., Milnor, 520 Buttonwood
Trachsel John C. F., 316 Cherry
Wood James P. Heating Co., 239 N 4th
PITTSBURGH—Baker, Smith & Co., 131 Water
Burns, Fleming & Co., 315 Forbes
Higgins G. F. Co., Wabash bldg
Iron City Heating Co., 343 Jackson
McGinness Co., 320 Liberty
Mellott Furnace Co., 955 Liberty av
Pittsburgh Heating Co., 8 Wood
Schaffer John P., 108 Wood
POTTSTOWN—Sotter Bros.
POTTSVILLE—Leidich W. H.
READING—Keystone Heating Co.
Reading Heater & Supply Co.
Reading Steam Heat & Power Co.
ST. CLAIR—Quirin Jno. & Bro.
SCRANTON—Gaylord & Butler Co.
Gunster Bros.
SHAMOKIN—Unger Warren
Zuern Plumbing & Heating Co.
SOUTH BETHLEHEM—Dietrich H. A. R.
TOWANDA—Humphrey Mfg. Co.
WASHINGTON—Standard Sheet Metal Mfg. Co.
WEST CHESTER—James Bros.
WILKES BARRE—Carpenter B. G. Co.
Turner & Vanscoy Co.
WILLIAMSPORT—Keeler E. Co., 238 West Williamsport Steam Co.
YORK—Lindemuth Engineering Co.
Motter's Geo. F. Sons
York Engineering Co.

RHODE ISLAND.

PROVIDENCE—Allen Fire Dep't Supply Co., 159 Aborn
Allen & Reed, 178 Dorrance
Fogerty Wm. J., 220 Hamilton
Grinnell Co., Inc., 275 W Exchange
Heath Wm. G. & Co., 60 Friendship
Putnam Foundry & Machine Co., 73 S Main
Sampson J. A., 938 Westminster
Taft Machine Co., 229 Globe

SOUTH CAROLINA.

GREENVILLE—American Machine & Mfg. Co.

TENNESSEE.

CHATTANOOGA—Garnier Joe & Son, 9 E 4th
Wilcox Tom Plumbing & Supply Co., 114 & 116 E 9th
MEMPHIS—Memphis Heating Co., 262 Madison
Pritchard Bros. Co., 433 Madison
Southern Heating Co., 145 S 3d
NASHVILLE—Bouchard John & Sons Co., 1024 Harrison
Nashville Machine & Supply Co., 128 3rd av

TEXAS.

DALLAS—Kinnison Bros.

VERMONT.

RUTLAND—Holmes Iron Co.

VIRGINIA.

CHARLOTTESVILLE—Thomas R. L. & Co. Inc. (Also Plumbing), E Main
NORFOLK—King F. E. Co.
Williams M. A.
RICHMOND—Beverly R. C. Heating Co., 9 No 7th

WASHINGTON.

ABERDEEN—Elway Miller Co.
Potter F. M.
AUBURN—Ester W. E.
EVERETT—Schweitzer C. R.
NORTH YAKIMA—Reilly Daniel
Rish W. H.
Yakima Valley Heating & Plumbing Co.
Young & Donovan
PROSSER—O'Rourke J. P.
RAYMOND—Baker C. D.
SEATTLE—Eckert Plumbing & Heating Co.
Norton & Spangler, Henry bldg
Rautman Plumbing & Heating Co.
West Coast Heating Co.
SPOKANE—Arnold-Evans Co., 165 Port
De Long H. B. Co., 409 1st
Griffith W. J. Heating Co., 244 Sprague
Lucas W. M., 919 1st
Smyth James Plumbing & Heating Co., 173 Post
Standard Plumbing & Heating Co., Inc., 421 1st av

WEST VIRGINIA.

WHEELING—Kyle R. W. Co.

WISCONSIN.

GREEN BAY—Garot Bros.
MADISON—Mueller Co.
MILWAUKEE—Bayley Heating Supply Co., 131 Sycamore
Bowers W. A. Heating Co., 484 Market
Downey Heating & Supply Co., 615 Clybourn
Fox Chas. J., 1208 Grand av
Groeschel Jacob, 1513 Lloyd
Hoye Thos. E. Heating Co., 509 E Water
Mueller Co., 168 Reed
Netz Edwin A., 463 27th
Pfeifer Mathias Heating Co., 314 18th
Phipps Furnace Co., 90 Oneida
Reich John, 628 Clark
Riemer Louis A., 650 3d
Striebel A. J. & Co., 52 2d
Wegner Bros. Co., 227 5th
Zuehlke Heating Co., 236 24th
SHEBOYGAN—Optenberg Iron Works
SUPERIOR—American Heating Co.
WAUSAU—Wheeler A. B. & Son Co.

6062—Heating Devices (Electric)

Boesch Lamp Co., 962 Mission, San Francisco, Cal.
CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
Fort-ified Mfg. Co., 1401 Agnes, Kansas City, Mo.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Majestic Elec. Appliance Co. ("Majestic"), 590 Folsom, San Francisco, Cal.
Westgate Metal Products Co. ("Westgate"), E 12th & 47th av, Oakland, Cal.
Wirt Co., Germantown, Phila., Pa.

LUEHRS ELECTRIC HEATING CO.

Luehrs Patented Electric Fluid Heater for Heating Chemical Equipment and Machinery, Vegetable Oil Processing, Linseed Oil Boiling Equipment.

118 St. Clair Ave. East **CLEVELAND, OHIO**

6063—Heating (Green House)

Bates Edw. P., Co., Syracuse, N. Y.
Foskett & Bishop Co., New Haven, Conn.
Hitchings & Co., Dept. H, Spring, Elizabeth, N. J.
Jacobs S. & Sons, 1365 Flushing av, Brooklyn, N. Y.
Kroeschell Bros. Co., 440 W Erie, Chicago, Ill.
Lord & Burnham Co., 30 E 42d, New York
Pittsburgh Water Heater Co., Jenkins bldg, Pittsburgh, Pa.
Prentice L. H. Co., 330 Sherman, Chicago, Ill.
Reading Heater & Supply Co., Reading, Pa.
Reynolds James Co., 195 State, Rochester, N. Y.
Scollay John A. (Est. of) (Steam Heating), 74 Myrtle av, Brooklyn, N. Y.

6064—Heating Pads (Electric)

Edison Elec. Appliance Co., Inc. (Hotpoint Div.), 5600 W Taylor, Chicago, Ill.
Electric Controller Co., 947 Northwestern, Indianapolis, Ind.
Landers, Frary & Clark, New Britain, Conn.
National Stamping & Electric Wks. (White-Cross Div.), 3212 W Lake, Chicago, Ill.
Pelouze Mfg. Co., 232 E Ohio, Chicago, Ill
Presto Elec. Co., Inc. ("Presto"), 703 Market, San Francisco, Cal.
Reliance Heating Co., Columbia, Pa.
Russell Electric Co. ("Hold-Heet"), 340 W Huron, Chicago, Ill.
Scientific Products Co., Steubenville, O.
Shaler C. A. Co., Waupun, Wis.
Simplex Electric Heating Co. ("Simplex"), Cambridge, Mass.
Slaughter Wm. E. Co. ("Parisian"), 1716 S Michigan av, Chicago, Ill.
Standard Electric Appliance Co. ("Standard"), Beverly, N. J.
Sun Ray Mfg. Co., Oshkosh, Wis.
Wirt Co. ("Wirt"), 5221-7 Greene Gtn., Phila., Pa.

6065—Heating (Paul System of Steam)

Beckwith Co. ("Round Oak"), Dowagiac, Mich.
Dunham C. A. Co. ("Dunham"), 343 S Dearborn, Chicago, Ill.
Fox Elec'l Corpn., 119 W 42nd, New York

6065a— Heating Systems

BUCKEYE BLOWER CO. (Unit), 425 W Town, Columbus, O.
DUNHAM C. A. CO., 230 E Ohio st, Chicago, Ill.
See adv index at end of book
Farquhar Furnace Co. ("Farquhar"), 304 Far Quar bldg, Wilmington, Ohio
McAlear Mfg. Co., 1901 S Western av, Chicago, Ill.
Webster Warren & Co., Camden, N. Y.

6065b—Heating Systems (Exhaust Steam)

Allen Engineering & Mfg. Co., Savannah, Ga.
Connecticut Blower Co., Inc., 133 Sheldon, Hartford, Conn.
DUNHAM C. A. CO., 230 E Ohio st, Chicago, Ill.
See adv index at end of book

6065c—Heating Systems (Fan)

BUCKEYE BLOWER CO., 425 W Town, Columbus, O. *See adv index at end of book*
Hornung J. C., 343 S Dearborn, Chicago, Ill.
Northern Blower Co. (The), Denison & W 65th, Cleveland, O.
See adv index at end of book

6066—Heating Systems (Hot Water, Self-Regulating)

Belknap Mfg. Co., 800 Union av, Bridgeport, Conn.
D. & T. Mfg. Co. ("D. & T." System), 3001 La Salle, St. Louis, Mo.
Reading Heater & Supply Co. ("Reading"), Reading, Pa
Schleit W. A. Mfg. Co. ("Wasco" Garage Heating), Syracuse, N. Y.

6066a—Heating Systems (Oil Heating)

LUEHRS ELECTRIC HEATING CO. ("Luehrs" Fluid Heaters), 118 St. Clair av N E, Cleveland, O.
See adv index at end of book
Merrill Process Co., Old South bldg., Boston, Mass.

6067—Heating Systems (Vacuum)

Barney Ventilating Fan Wks. (A. B. Franklin, Prop.), 25 Haverhill, Boston, Mass.
Bishop & Babcock Co. ("B. & B." Vacuum Pump), 1204 E 55th, Cleveland, O.
Cryer Return Line System Co. (Cryer," System), 296 Madison av, New York
DUNHAM C. A. CO., 230 E Ohio st, Chicago, Ill.
See adv index at end of book
Eddy Engineering Co. ("Eddy"), Alpena, Mich.
Haines William S. & Co. ("Haines" Automatic), 12th & Buttonwood, Phila., Pa.
Illinois Engineering Co., W 21st & S Racine avs, Chicago, Ill.
Kellogg-Mackay Co. (Vapor System "K. M. C."), 419 W 18th, Chicago, Ill.
McAlear Mfg. Co. ("McAlear" System), 1901 S Western av, Chicago, Ill.
Moline Heat, Moline, Ill.
Monash-Younker Co. ("Monash" Thermostatic & Float Return Line Valves), 1407 W Jackson blvd, Chicago, Ill.
Reading Heater & Supply Co., Reading, Pa.
Richardson & Boynton Co. (Vapor Vacuum System), 260 5th av, New York
Roberts-Hamilton Co., 413 S 4th, Minneapolis, Minn.
SARCO CO., INC. ("Sarco"), 14 Park pl, New York
Vapor-Vacuum Heating Co. ("Kriebel" System Vapor Vacuum Heating), Otis bldg, Phila., Pa.
Webster Warren & Co. ("Webster"), Camden, N. J.

6068-9—Heating Systems (Vapor)

Boston Vapor Heating Co., 365 Atlantic av, Boston, Mass.
Cox Abram Stove Co. ("Novelty"), American & Dauphin, Phila., Pa.
Doody Vapor Heating Co., Inc., The, 46 Cornhill, Boston, Mass.
Illinois Engineering Co., W 21st & S Racine avs, Chicago, Ill.
McAlear Mfg. Co., 1901 S Western av, Chicago, Ill.
Moline Heat (Moline System), Moline, Ill.
Mouat-Squires Co. ("Mouat"), 1246 W 4th, Cleveland, O.
Reading Heater & Supply Co. ("Reading"), Reading, Pa.
Roberts-Hamilton Co., 413 S 4th, Minneapolis, Minn.
Sarco Co., Inc. ("Sarco"), 14 Park pl, New York
Trane Co., La Crosse, Wis.
Vapor Heating Co. ("Broomell"), Concel Tr. bldg, Phila., Pa.

6070—Heating & Ventilating Engineers (Consulting)

BAKER EDW. J. & CO., 608 Otis bldg, Chicago, Ill.
Ballinger Co., S E Cor. 12th & Chestnut, Phila., Pa.
Barney Ventilating Fan Wks. (A. B. Franklin, Prop.), 25 Haverhill, Boston, Mass.
Barrus Geo. H., Pemberton bldg, Boston, Mass.
Bierbaum-Dollar, Inc., Mutual Life bldg, Buffalo, N. Y.
Campbell & Lewis, Watertown, N. Y.
Chicago Incinerator Co., 320 E N Water, Chicago, Ill.
Clark, MacMullen & Riley, 101 Park av, New York
Cryer T. B. Co., 249 High, Newark, N. J.
D. & T. Mfg. Co., 3001 La Salle, St. Louis, Mo.
Danforth John W. Co., 70 Ellicott, Buffalo, N. Y.
Eadie Freund & Campbell, 7 W 45th, New York
Eddy Engineering Co., Alpena, Mich.
Elliott & Harman Engineering Co., 144 Fredonia av., Peoria, Ill.
Graff Engineering Corp., 150 Nassau, New York
Hersh Bros. Co., 645 Mill, Allentown, Pa.
Howard & Morse (Ventilation Only), 45 Fulton, New York
Kernchen Company, 332 S. Michigan av., Chicago, Ill.
Kimball Richard D. Co., 15 W 38th, New York
Luehrs Co. The, 118 St. Clair av N E, Cleveland, Ohio
See adv index at end of book
Mellish Hayward Co., 213 W Austin av, Chicago, Ill.
Monday Chas. E. & Co., 1318 Olive, Phila., Pa.
Nygren Werner, 101 Park av, New York
Osborn Engineering Co., 2848 Prospect av, Cleveland, Ohio
Pemberton Heating & Ventilating Co., 901 N Alameda, Los Angeles, Cal.
Pennsylvania Engineering Co., 1119 N Howard, Phila., Pa.
Roe Walter H., Spayth Block, Tiffin, O.
Royal Steam Heater Co., Gardner, Mass.
Runyon & Carey, 845H Broad, Newark, N. J.
Sanitary Heating & Ventilating Co. Inc., Dept. H, Wysong & Miles, Greensboro, N. C.
Serrell & Schenck, 15 W 34th, New York
Stebbings W. L., Monadnock blk, Chicago, Ill.
Sutton Frank, 140 Cedar, New York
Thompson-Starrett Co., 51 Wall, New York
Trane Co., La Crosse, Wis.
Woodbridge S. Homer, 312 Tappen, Boston, Mass.
York Heating & Ventilating Corp., Mill, Bridgeport, Pa.

Heating & Ventilating Engineers (Contracting)

See Heating Contractors, Steam & Hot Water

6071— Heels (Rubber)

A. & A. Rubber Co., Framingham, Mass.
Acme Rubber Heel Co., Elyria, O.
Angelus Heel & Rubber Co. (Angelus"), 1417 N Main, Los Angeles, Cal.
Atlantic Mfg. Co. ("Rubbestos," "Treadwell" "Pep-Step"), Wilmington, Del.
Atlantic Rubber Co., 755 Boylston, Boston, Mass.
Bailey C. J. & Co. ("Wont Slip"), 88 Broad, Boston, Mass.
Boston Woven Hose & Rubber Co. ("Bull Dog," "Comfort," "Eclipse," "Ease"), Cambridge, Mass.
Elastic Tip Co. ("Safety Tread"),370 Atlantic av, Boston, Mass.
Elyria National Rubber Heel Co., Elyria, O.
Empire Tire & Rubber Corp., Trenton, N. J.
Essex Rubber Co., Trenton, N. J.
Federal Rubber Co., The, Cudahy, Wis.
Foster Rubber Co. ("Foster," "Cat's Paw," "Tread-air," "Orthopedic"), 105 Federal, Boston, Mass.
Goodyear Tire & Rubber Co., Akron, O.
Hale, Alfred, Rubber Co. (Molded), Atlantic, Mass.
Hill Rubber Heel Co., Elyria, O.
Huntington Rubber Mills ("Huntington Non-Skid"), Macadam & Nevada, Portland, Ore.
I. T. S. Rubber Co., Elyria, O.
Long-Turney Corp., 1920 E Vernon, Los Angeles, Cal.
Northwestern Rubber Co. ("Northwestern"), Kent, Wash.
Nova Heel Mfg. Co. ("Nova" Combination Rubber & Leather), 2216 Shattuck av, Berkeley, Cal.
Osborn Mfg. Co., 949 Broadway, New York
O'Sullivan Rubber Co. ("O'Sullivan"), 131H Hudson, New York
Panther Rubber Mfg. Co. ("Panther Tread"), Stoughton, Mass.
Pennsylvania Rubber Co., Jeannette, Pa.
Petley Rubber Mfg. Co., 247 Oregon, Milwaukee, Wis.
Plymouth Rubber Co. ("Nerveze"), Canton, Mass.
Quabaug Rubber Co., North Brookfield, Mass.
Republic Rubber Corp., Dept. H, Youngstown, O.
Revere Rubber Co. ("Spring Step"), Chelsea, Mass.
Rubber Products Co., Barberton, O.
Sharon Leather & Rubber Co., Sharon, Pa.
Taunton Rubber Co., Taunton, Mass.

(Continued on following page)

Heels (Rubber)—Continued

U. S. RUBBER CO. ("U. S." Spring Step), 1790 B'way, New York
See adv index at end of book
Western Rubber Co., Goshen, Ind.

6072— Heels (Shoe, Wood)

Atlantic Wood Heel Co., 322 Van Buren, Brooklyn, N. Y.
Essex Wood Heel Co., Haverhill, Mass.
Fox Chas. K. Heel Co., Haverhill, Mass.
Haverhill Wood Heel Co., Haverhill, Mass.
Pentucket Wood Heel Co., Haverhill, Mass.
Reliance Wood Heel Co., Somerville, Mass.
Ross Heel Co., South Easton, Mass.
Slipper City Wood Heel Co., Haverhill, Mass.

Helium

See Gas (Helium)

6073— Helmets (Asbestos)

Holcomb Safety Garment Co., 14 S Jefferson, Chicago, Ill.
Keasbey & Mattison Co. ("Kaynum"), Ambler, Pa.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Mikesell Bros. Co., Wabash, Ind.
See adv index at end of book
Wheeler F. H. Mfg. Co., 215 W Huron, Chicago, Ill.

6074—Helmets (Sand Blasting)

Chicago Eye Shield Co. (Welding), 2300 Warren av, Chicago, Ill.
Electric Arc Cutting & Welding Co. (For Welding & Cutting), 154H Jelliff av, Newark, N. J.
See adv index at end of book
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Multi-Metal Co. ("Pulmosan"), 801 E 139th, New York
Paxson J. W. Co., Nicetown Lane & D, Phila., Pa.
Safety Equipment Service Co. ("Kleanair"), 1104 Hamilton av, Cleveland, O.
Tilghman-Brooksbank Sand Blast Co., 1126 S 11th, Phila., Pa.

6075—Helmets (Smoke & Ammonia)

See Also Respirators

Hayward S. F. & Co. ("National"), 250 W 54th, New York
Improved Aluminum Protector Co., 1103 Nth av, Waukegan, Ill.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Protecto Safety Appliance Co. (Ammonia), 52 Columbia, Newark, N. J.
Rex-Harris Fire Appliance Co. (Smoke), 310 W 39th, New York
Safety First Supply Co., 107 Third av, Pittsburgh, Pa.
Scientific Instrument & Elect. Mach. Co. (Fume Masks) Mechanicsburg, Pa.
Servus Rescue Equipment Co. ("Eveready"), 50 Columbia, Newark, N. J.
Vajen Helmet Co. (Also Gas), Richmond, Ind.
Wilson Goggle Co., Reading, Pa.

6076— Hematine

Cooper & Cooper Inc., 23H Cliff, New York York
Innis, Speiden & Co., Inc., 46 Cliff, New York
Kuttraff Pickhardt & Co., Inc. (Selling Agents), 128 Duane, New York
Lewis John D., 63 Charles, Providence, R. I.
National Gum & Mica Co. (Paste, Crystals, Powder, 12 West End av, New York
Wagner Chas. A. Co. Inc. (Crystal & Paste), 810 Noble, Philadelphia, Pa.

6077—Hemp & Jute Importers

Fearon Brown Co., 96 Wall, New York
MacLeod & Co. (Hemp), 82 Beaver, New York.
Ralli Bros. (Jute), 11 William, New York

6077a— Hexachlorethane

Dow Chemical Co., Midland, Mich.

6078-9— Hexamethylenetetramine

Cleveland Cliffs Iron Co., Rockefeller, Cleveland, O.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Gray, Wm. S. & Co., 80 Maiden lane, New York
Greef R. W. & Co., 76 Front, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park pl., New York
National Electrolytic Co. ("Niagara"), Niagara Falls, N. Y.
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.

6080— Hillers (Celery)

Bucher & Gibbs Plow Co. ("Imperial"), 800-36 2nd S E, Canton, O.
Empire Plow Co. ("Empire"), 3140 E. 65th, Cleveland, O.
Mason F. C. & Co. ("Mason"), St. Johns, Mich.
Ohio Cultivator Co. ("Little Giant"), Bellevue, O.

6081— Hillers (Potato)

Babcock Mfg. Co., Leonardsville N. Y.
Conner J. W. & Son, Orangeville, Pa.
Eddy W. Plow Co. ("Eddy"), Greenwich, N. Y.

6082— Hinge Mfrs.

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Foundry & Mfg. Co., Frederick, Md.
Am. Tube & Stamping Co. (Pressed-Steel), 471 Hancock, Bridgeport, Conn.
Arcade Mfg. Co. (Brass), Freeport, Ill.
Art Hardware & Mfg. Co., Seattle, Wash.
Atlas Metal Parts Co., 998 15th, Milwaukee, Wis.
Barrows Lock Co., Lockport, Ill.
Beehler Steel Products Co., 1449 N. 13th, St. Louis, Mo.
See adv index at end of book
Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
Brainerd Mfg. Co., East Rochester, N. Y.
Chicago Spring Butt Co., 1500 Carroll av, Chicago, Ill.
City Brass Works (Automatic Windshield), 1744 Carroll av, Chicago, Ill.
Coleman Hdwe. Co. ("Champion" Spring Cast Hold Back Only), 952 N Michigan av, Chicago, Ill.
Columbian Hardware Co., Cleveland, O.
Corbin P. & F., New Britain, Conn.
Cowles C. & Co. (Malleable & Brass), New Haven, Conn.
Delaware Marine Mfg. Co., Wilmington, Del.
Detroit Shipbuilding Co. (Brake Department), Ft. Orleans, Detroit, Mich.
E. V. B. Mfg. Co. (Automobile), New Haven, Conn.
Eagle Lock Co. (Brass), Terryville, Conn.
Force Chas. E. & Son (Wrought Hinges), Madison, N. J.
Frantz Mfg. Co., Sterling, Ill.
Gibson & Kirk Co., 217 Key Highway, Baltimore, Md.
GRAMMES L. F. & SONS, 311 Union, Allentown, Pa.
See adv index at end of book
Griffin Mfg. Co., Erie, Pa.
Hager C. & Sons, Hinge Mfg. Co. (Wrought Steel Butts, etc), St. Louis, Mo.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall st, New York. (See insert under Monel Metal)
See adv index at end of book
Keystone Friction Hinge Co. ("20th Century" Friction Hinge), Williamsport, Pa.
Lanz M. & Sons, 2307 Carson, Pittsburgh, Pa.
Laughlin Thos. Co. (Brass & Galvanized for Marine Use), 135 Fore, Portland, Ore. *See adv index at end of book*
Lawrence Bros. (Also Special), Sterling, Ill.
Lawson Mfg. Co. ("Lawson" All Steel Surface & Jam Spring Hinges, Double Acting Floor Spring & Pivot), 230 W Superior, Chicago, Ill.
Lockwood Mfg. Co., South Norwalk, Conn.
McKinney Mfg. Co. ("McKinney" Steel Butts, Strap & T), Liverpool & Metropolitan, Pittsburgh, Pa.
MILWAUKEE STAMPING CO. (Double Acting, Screen Door, Floor, Spring, etc.), W. Allis
See adv index at end of book
Munning & Co., A. P., Matawan, N. J.
National Mfg. Co., Sterling, Ill.
New England Lock & Hinge Co. (Brass Finish & Tin), Winchendon, Mass.
Norwalk Lock Co., South Norwalk, Conn.
Parker Chas. Co., Meriden, Conn.
Parker Supply Co. (For Smoke-Pipes, Ducts, etc.), 735 E 135th, New York
Payson Mfg. Co. (Refrigerator), 2918 W Jackson blvd, Chicago, Ill.
Penn Hardware Co., Reading, Pa.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Reading Hardware Co., Reading, Pa.
Rixson Oscar C. Co., 4450 Carroll av, Chicago, Ill.
Root Chas. J. Co. (Wrought Brass), Bristol, Conn.
Rostand Mfg. Co. (Automobile & Windshield), Milford, Conn.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sager Lock Co., No. Chicago, Ill.
Sanymetal Products Co., 978H E 64th, Cleveland, O.
Sargent & Co., Water & Walce, New Haven, Conn.
Scovill Mfg. Co. (Brass), Waterbury, Conn.
See adv index at end of book
Sharon Hardware Mfg. Co., Sharon, Pa.
Shelby Metal Products Co. ("Standard"), Shelby, Ohio
Sholes, Inc., 186 Lafayette, New York
Smith Joseph N. & Co. (Automobile Doors), 2461 E Grand blvd, Detroit, Mich.
STANLEY WORKS, New Britain, Conn.
See adv index at end of book
Stearns E. C. & Co., 450 Oneida, Syracuse, N. Y.
Stimpson Edwin Co. (Brass, etc.), 352H Kent av, Brooklyn, N. Y.
See adv index at end of book
Stover Mfg. & Engine Co. (Cast & Steel), Freeport, Ill.
Superior Spring Hinge Co., 136 W. Lake, Chicago, Ill.
Tiebout W. & J. (Cast Brass), 118 Chambers, New York
Western Brass Mfg. Wks. (Ice Box & Refrigerator), Marshall blvd & 21st, Chicago, Ill.
Wilcox, Crittenden & Co., Inc. (Galvanized & Brass for Marine Trade), 444 S Main, Middletown, Conn.
See adv index at end of book
Woodruff W. W. & Sons Co. (Carriage Doors), Mount Carmel, Conn.
Wrightsville Hardware Co. (Shutter, Blind & Gate), Wrightsville, Pa.
Wrobbel-Maine Co. (The), 3106 E 63rd, Cleveland, O.

6083—Hinges (Automobile Hood & Lamp)

Bossert Corp., The, cor Linden St & West av, Utica, N. Y.
Bronson Homer D. Co., Beacon Falls, Conn.
Waterbury Brass Goods Corp., Waterbury, Conn.

6084— Hinges (Awning)

Beehler Steel Products Co., 1449 N 13th, St. Louis, Mo. *See adv index at end of book*
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Wilcox Crittenden & Co. Inc., 444 S Main, Middletown, Conn.
See adv index at end of book

6084a— *Hinges (Back Flap)

Stanley Works, New Britain, Conn.

6084b—*Hinges (Bag & Suit Case)

Stanley Works, New Britain, Conn.

6084c—*Hinges (Ball-Bearing, Steel Butt)

Stanley Works, New Britain, Conn.

6084d—Hinges (Bed, Lounge)

Stanley Works, New Britain, Conn.
See adv index at end of book

6085— Hinges (Beer Case)

Atlas Metal Parts Co., 998 15th, Milwaukee, Wis.
Beehler Steel Products Co., 1449 N 13th, St. Louis, Mo.
See adv index at end of book.
20th Century Machinery Co., 425 E Water, Milwaukee, Wis.

6086—Hinges (Blind & Shutter)

Auer John, Jr. (Wrought), 197 Middleton, Brooklyn, N. Y.
Austin & Eddy, 117 Broad, Boston, Mass.
Beehler Steel Products Co., 1449 N 13th, St. Louis, Mo.
Enterprise Foundry Co., Rochester, N. Y.
Enterprise Hardware Mfg. Co., Frederick, Md.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Grey Iron Casting Co. ("Lull & Porter," "Scholl" Reversible Safety), Mt. Joy, Pa.
Lawrence Bros. (Wrought Steel Inside Blind), Sterling, Ill.
McKinney Mfg. Co., Liverpool & Metropolitan, Pittsburgh, Pa.
Orr, Galen & Co., Needham, Mass.
Parker, Chas. Co.., Meriden, Conn.
Parker Wire Goods Co. ("Hale" & "Benjamin" Automatic Blind), Worcester, Mass.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., Water & Walce, New Haven, Conn.
Stanley Works (Wrought Steel), New Britain, Conn.
Susquehanna Casting Co., Wrightsville, Pa.
Wrightsville Hardware Co. ("Shepard's" "Niagara," "Clark's" "Buffalo," "Champion," "Pioneer," "Empire" & Mortise Gravity-Locking Blind Hinges & "O.S.," "Acme" & "Queen City" Shutter Hinges), Wrightsville, Pa.

6087— Hinges (Box)

Acme Steel Goods Co., 2834 Archer av., Chicago, Ill.
Atlas Metal Parts Co., 998 15th, Milwaukee, Wis.
Beehler Steel Products Co., 1449 N 13th, St. Louis, Mo.
See adv index at end of book
Brainerd Mfg. Co., East Rochester, N. Y.
CARY MFG. CO. (Crate, Box, etc), Nassau & Jay, Brooklyn, N. Y.
See adv index at end of book
Columbia Hardware Co., Cleveland, O.
Dent Hardware Co., Fullerton, Pa.

Grammes L. F. & Sons ("Wizard"), 311 Union, Allentown, Pa.
See adv index at end of book
Griffin Mfg. Co., Erie, Pa.
Hager C. & Sons Hinge Mfg. Co. (Wrought Steel), St. Louis, Mo.
Ludwig A. & Co., 75 Spring, New York
Ryan M. C. Co. ("Ryan," for Fruit & Egg Boxes & Crates, etc), Phoenix, N. Y.
Stanley Works (Wrought Steel Hinges & Fasts), New Britain, Conn.
Williams F. B. Co. (Double Joint, for Bottler of Boxes, etc), 507 E 39th, Chicago, Ill.

6088— Hinges (Box Stall)

Lynn Stall Co., Lynn, Mass.

6089— Hinges (Butt)

Atlas Mfg. Co. ("Bradley" Steel), 125 Water, New Haven, Conn.
Barrows Lock Co., Lockport, Ill.
Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
Bayer Gardner-Himes Co., 101 Park av, New York
Bronson Homer D. Co. (Wrought Brass), Beacon Falls, Conn.
Chicago Spring Butt Co., 1500 Carroll av, Chicago, Ill.
Corbin P. & F., New Britain, Conn.
Dayton Mfg. Co.,, Dayton, O.
Dent Hardware Co., Fullerton, Pa.
Detroit Shipbuilding Co. (Brass Department), ft. Orleans, Detroit, Mich.
Enterprise Hardware Mfg. Co., Frederick, Md.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Griffin Mfg. Co. (Steel), Erie, Pa.
Hager C. & Sons Hinge Mfg. Co. (Wrought Steel & Bronze Metal), St. Louis, Mo.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Lawrence Bros. (Wrought Steel, Loose Pin, Narrow, Reversible, Surface, etc.), Sterling, Ill.
Lawson Mfg. Co., 230 W Superior, Chicago
Lockwood Mfg. Co., South Norwalk, Conn.
McKinney Mfg. Co. (Wrought Steel), Liverpool & Metropolitan, Pittsburgh, Pa.
Milwaukee Stamping Co., W Allis, Milwaukee, Wis.
National Lock Co. (Brass & Brass Plated Cabinet), Rockford, Ill.
National Mfg. Co. (Wrought Steel, Ornamental, Surface, Narrow, Reversible, etc.), Sterling, Ill.
Norwalk Lock Co., South Norwalk, Conn.
Penn Hardware Co. (Bronze Cast), Reading, Pa.
Plume & Atwood Mfg. Co. (Brass, Wrought Brass), Waterbury, Conn.
Racine Metal Stamping Co. ("Racine" Spring), Racine, Wis.
Reading Hardware Co., Reading, Pa.
Root Chas. J. Co. (Wrought Brass), Bristol, Conn.
Russell & Erwin Mfg. Co. (Brass, Bronze, etc.), New Britain, Conn.
Sager Lock Co., No. Chicago, Ill.
Sargent & Co., Water & Walce, New Haven, Conn.
Scovill Mfg. Co. (Brass), Waterbury, Conn. *See adv index at end of book*
Sharon Hardware Mfg. Co. (Wrought Steel Door, Cupboard, etc, Ornamental Surface, Half-Surface. Also Loose
Shelby Spring Hinge Co., Shelby, O.
Stanley Works, New Britain, Conn.
Tiebout W. & J, (Cast Brass), 113 Chambers, New York
Waterbury Brass Goods Corporation (Brass), Waterbury, Conn.
Western Brass Mfg. Works (Cast Brass or Bronze), Marshall blvd & W 21st. Chicago, Ill.
Wrobbel-Maine Co. (The), 3106 E 63rd, Cleveland, O.

6089a— Hinges (Cabinet)

Corbin Cabinet Lock Co., New Britain, Conn.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Grand Rapids Brass Co. (& Wardrobe). Grand Rapids, Mich.
Griffin Mfg. Co., 15th & Cherry, Erie, Pa.
McKinney Mfg. Co., Locust, Phila., Pa.
Nat'l Brass Co., Grand Rapids, Mich.
Stanley Works, New Britain, Conn.
See adv index at end of book

6090—Hinges (Casement Window)

Ellison Brass Mfg. Co., Jamestown, N. Y.
Hoffman Casement Hardware Co., 20 W 34th, New York
Russell & Erwin Mfg. Co. ("Russwin"), New Britain, Conn.
Stanley Works, New Britain, Conn.
Steiner & Voegtly Hdwe. Co. (Geisey's"), 230 Diamond, Pittsburgh, Pa.
Whitney Vincent Co. ("Whitco"), 365 Market), San Francisco, Cal.
Whitney Window Corp. ("Whitney"), 132 N Lake, Minneapolis, Minn.

6091— Hinges (Cellar Door)

Griffin Mfg. Co., Erie, Pa.

6092— Hinges (Chest)

Beehler Steel Products Co., 1449 N 13th, St. Louis, Mo. *See adv index at end of book*
Brainerd Mfg. Co. (Also Cabinet), East Rochester, N. Y.
Griffin Mfg. Co., Erie, Pa.
Hager C. & Sons Hinge Mfg. Co. (Wrought Steel), St. Louis, Mo.
Lawrence Bros. (Wrought Steel), Sterling, Ill.
McKinney Mfg. Co. (Wrought Steel), Liverpool & Metropolitan, Pittsburgh, Pa.
Stanley Works, New Britain, Conn.

6093— Hinges (Cigar Box)

Schoenhut A. Co., E Haget & Sipivia, Philadelphia, Pa.

6094— Hinges (Closet Seat)

American Brass & Copper Co., 138 Lafayette, New York
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Pin Co. ("Ampinco"), Waterbury, Conn.
Attwood Brass Works, Grand Rapids, Mich.
Brass Goods Mfg. Co., 345 Eldert, Brooklyn, N. Y.
Burlington Brass Works, Burlington, Wis.
Chicago Spring Butt Co. ("Ajax" Chicago" "Relax" "Premier" Spring "Sanitex"), 1500 Carroll av, Chicago, Ill.
Columbus Brass Co., 620 Dublin av, Detroit, Mich.
See adv index at end of book
Edwardsville Brass Co., Edwardsville, Ill.
Eichman J. C. Mfg. Co., Bush & Wicomico, Baltimore, Md.
Haydenville Co., Haydenville, Mass.
Kretschmer Mfg. Co., Dubuque, Ia.
McLane Mfg. Co., Milford, N. H.
Miller, Chas. A. Co. (Offset, Two & Three Leaf, etc.), Sturgis, Mich.
Morency-Van Buren Mfg. Co. ("M. V. B."), Sturgis, Mich.
Mott J. L. Iron Works, Trenton, N. J.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Sherwood Brass Works ("Climax"), 6331 Jefferson E, Detroit, Mich.
Stanley Works, New Britain, Conn.
Union Metal Works, Chelsea, Mass.
Western Brass Mfg. Works (Brass & Bronze), Marshall blvd & W 21st, Chicago, Ill.

6094a— *Hinges (Concealed)

Beehler Steel Products Co., 1449 N 13th, St. Louis, Mo.
See adv index at end of book
Stanley Works (For Auto Doors), New Britain, Conn.
See adv index at end of book

6095— Hinges (Continuous)

Scovill Mfg. Co., Waterbury, Conn.
See adv index at end of book
Waterbury Brass Goods Corporation (Piano), Waterbury, Conn.

6095a—*Hinges (Corrugated)

Stanley Works, New Britain, Conn.
See adv index at end of book

6096— Hinges (Crate)

Beehler Steel Products Co., 1449 N 13th, St. Louis, Mo.
See adv index at end of book
Hager C. & Sons Hinge Mfg. Co. (Wrought Steel), St. Louis, Mo.
Stanley Works, New Britain, Conn.
See adv index at end of book

6097—Hinges (Drain Board)

Trenton Brass & Machine Co., Trenton, N. J.

6098— Hinges (End Gate)

Hager C. & Sons Hinge Mfg. Co. (Wrought Steel), St. Louis, Mo.
McKinney Mfg. Co., Liverpool & Metropolitan, Pittsburgh, Pa.
STANLEY WORKS, New Britain, Conn.
See adv index at end of book

6099—Hinges (Engine House)

Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.

6100-1— Hinges (Extension)

Dent Hardware Co., Fullerton, Pa.
Grand Rapids Brass Co., Grand Rapids, Mich.

6102—Hinges (Fire Shutter)

Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.

6103— Hinges (Floor)

Allith-Prouty Co. ("Prouty" Adjustable Double Acting Ball & Roller Bearings, "Squaw"), Danville, Ill.
Bommer Spring Hinge Co. (Spring Surface, Horizontal Compression Type), 263 Classon av, Brooklyn, N. Y.
Champion Hardware Co. ("Champion" Ball Bearing), Geneva, O.
Chicago Spring Butt Co. ("Ajax" "Chicago" "Relax" "Premier" Ball Bearing Double Acting), 1500 Carroll av, Chicago, Ill.
Corbin P. & F., New Britain, Conn.
Lawson Mfg. Co. ("Lawson" Ball Bearing All Steel Surface Floor Spring), 230 W Superior, Chicago, Ill.
Milwaukee Stamping Co., W Allis, Milwaukee, Wis. *See adv index at end of book*
Racine Metal Stamping Co. ("Racine" Surface Floor Spring & Cup Floor Spring), Racine, Wis.
Russell & Erwin Mfg. Co. ("Russwin" Double Acting Spring), New Britain, Conn.
Sargent & Co., Water & Walce, New Haven, Conn.
Shelby Metal Products Co. ("Kloz E-Z," "Standard" Checking, Double Acting Spring), Shelby, Ohio
Shelby Spring Hinige Co. ("Shelby Chief" Double Acting Spring, Ball Bearing, etc), Shelby, O.
Stover Mfg. & Engine Co. ("New Ideal" Double Acting), Freeport, Ill.
Superior Spring Hinge Co. ("Superior" Surface Spring), 136 W Lake, Chicago, Ill.

6104— Hinges (Friction)

Keystone Friction Hinge Co., Williamsport, Pa.
Stanley Works, New Britain, Conn.
See adv index at end of book

6105— Hinges (Garage)

Griffin Mfg. Co., Erie, Pa.
Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book
Stanley Works, New Britain, Conn.

6106-7-8— Hinges (Gate)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Chicago Spring Butt Co., ("Ajax" "Chicago" "Relax" Premier" Spring), 1500 Carroll av, Chicago, Ill.
Corbin P. & F., New Britain, Conn.
Grey Iron Casting Co. ("Clarks" Reversible Hinge & Latch, "Donegal," "Self-Closing," All with Latch), Mt. Joy, Pa.
Griffin Mfg. Co. (End Gate), Erie, Pa.
Kansas City Bolt & Nut Co., Sheffield Station, Kansas City, Mo.
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
Lawrence Bros. (End Gate), Sterling, Ill.
Parker Chas. Co., Meriden, Conn.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Sargent & Co., Water & Walce, New Haven, Conn.
Stanley Works, New Britain, Conn.
Susquehanna Casting Co., Wrightsville, Pa.
Wolf C. K. (Adjustable), Xenia, O.
Wrightsville Hardware Co. ("Shepherd's" or "Clark's" Reversible & Self-Closing Hinges & Latches), Wrightsville, Pa.

6109— Hinges (Invisible)

Braun J. G., 609 S Paulina, Chicago, Ill.
Evans N. L. (Vanishing Door), Washington, Ind.
Soss Mfg. Co., Grand av, Brooklyn, N. Y.

6110— Hinges (Mirror)

Eagle Lock Co., Terryville, Conn.

6111— Hinges (Office Gate)

Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
Chicago Spring Butt Co. ("Ajax" "Chicago" "Relax" "Premier" Spring), 1500 Carroll av, Chicago, Ill.
Columbian Hardware Co. ("Gem"), Cleveland, O.
Dent Hardware Co., Fullerton, Pa.
Griffin Mfg. Co., Erie, Pa.
Lawson Mfg. Co., 230 W Superior, Chicago
Sanymetal Products Co., 978H E 64th, Cleveland, Ohio

6112— Hinges (Ornamental)

Griffin Mfg. Co., Erie, Pa.
Stanley Works, New Britain, Conn.

6113—Hinges (Piano & Organ)

Bronson Homer D. Co. (Brass), Beacon Falls, Conn.
Oakville Co. ("Oco"), Piano Only, Waterbury, Conn.
Ramsey Chas. Co., Kingston, N. Y.
Scovill Mfg. Co. (Double Acting), Waterbury, Conn. *See adv index at end of book*
Wrobbel-Maine Co. (The), 3106 E 63rd, Cleveland, O.

6114— Hinges (Pivot)

Bommer Spring Hinge Co. ("Bommer" Ball Bearing), 263 Classon av, Brooklyn, N. Y.

(Continued on following page)

Hinges (Pivot)—Continued

Lawson Mfg. Co. ("Lawson"), 230 W Superior, Chicago, Ill.

6115— Hinges (Plate)

American Ring Co., Waterbury, Conn.
Griffin Mfg. Co., Erie, Pa.
Hager C. & Sons Hinge Mfg Co. (Wrought Steel Japanned), St. Louis, Mo.
Stanley Works (Roller), New Britain, Conn.

6115a— Hinges (Port)

Laughlin Thos. Co., 135 Fore, Portland, Me.
See adv index at end of book
Wilcox Crittenden Co., Middleton, Conn.
See adv index at end of book

6116— Hinges (Refrigerator)

Arcade Mfg. Co., Freeport, Ill.
Brainerd Mfg. Co., East Rochester N. Y.
Brass Goods Mfg. Co., 345 Elder†, Brooklyn, N. Y.
Brey & Krause Mfg. Co., 244 N Front, Allentown, Pa.
Crescent Mfg. & Bldg. Co., 1318 Belmont, Portland, Ore.
Dent Hardware Co., Fullerton, Pa.
Grand Rapids Brass Co., Grand Rapids, Mich.
Greene, Tweed & Co., 109 Duane, New York
Hager C. & Sons Hinge Mfg. Co. (Ornamental Wrought Steel), St. Louis, Mo.
Harris Ice Machine Co. (For Cold Storage Doors), 174 E Water, Portland, Ore.
Milwaukee Stamping Co., W Allis, Milwaukee, Wis. *See adv index at end of book*
Mound Tool Co. (Malleable Iron & Crucible Steel), 1203 S 7th, St Louis, Mo.
Nat'l Refrigerators Co., 827 Koeln av, St. Louis, Mo.
Payson Mfg. Co., 2918 W Jackson blvd, Chicago, Ill.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Safe Padlock & Hardware Co., Lancaster, Pa.
Sargent & Co., Water & Walce, New Haven, Conn.
Stanley Works (Wrought Steel & Brass Plain & Corrugated & Wrought Steel Ball Bearing), New Britain, Conn.
Western Brass Mfg. Works, Marshall blvd & W 21st, Chicago, Ill.

6117-8—Hinges (Screen Door)

Allith-Prouty Co. ("Prouty" & "King"), Danville, Ill.
Arcade Mfg. Co. ("A-C" & "Arcade"), Freeport, Ill.
Bommer Spring Hinge Co. (Also Detachable), 263 Classon av, Brooklyn, N. Y.
Burgess & Norton Mfg. Co. (Ralph's Combination Reversible, for Screen & Storm Doors), Geneva, Ill.
Champion Hardware Co. ("Champion," "Geneva 600" & "7-11" Loose Pin," "Olympia," "Sampson" & "Buffalo"), Geneva, O.
Chantrell Hardware & Tool Co., Reading, Pa.
Chicago Spring Butt Co. ("Ajax" Chicago" "Relax" "Premier" Spring), 1500 Carroll av, Chicago, Ill.
Columbian Hardware Co. ("Columbian," "Columbia" & "Acorn"), Cleveland, O.
Corbin P. & F. ("Corbin"), Dept. H, New Britain, Conn.
Enterprise Hardware Mfg. Co., Frederick, Md.
Fernald Mfg. Co., North East, Pa.
Grey Iron Casting Co. ("None-Hold Back"), Mt. Joy, Pa.
Griffin Mfg. Co., Erie, Pa.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Lawrence Bros (Steel), Sterling, Ill.
Lawson Mfg. Co., 230 W Superior, Chicago
MILWAUKEE STAMPING CO., W Allis, Milwaukee, Wis.
See adv index at end of book
National Mfg. Co., Sterling, Ill.
Oliver Iron & Steel Co. (All Steel), S 10th & Muriel, Pittsburgh, Pa.
Racine Metal Stamping Co. ("Racine"), Racine, Wis.
Rock City Mfg. Co. ("Jiffy" Detachable), Wabash, Ind.
Russell & Erwin Mfg. Co., New Britain, Conn.
Scovill Mfg. Co., Waterbury, Conn.
See adv index at end of book
Sharon Hardware Mfg. Co. (All Steel), Sharon, Pa.
Shelby Spring Hinge Co ("Buckeye," "Shelby" Detachable, Adjustable), Shelby, O
Stanley Works, New Britain, Conn.
Stover Mfg. & Engine Co. ("Stover"), Freeport, Ill.
Wagner Mfg. Co. ("Wagner," Screen & Storm Door Butts), Cedar Falls, Ia.

6119—Hinges (Screen Door, Holdback)

Columbian Hardware Co., Cleveland, O.
Stover Mfg. & Engine Co. ("Ideal"), Freeport, Ill.

6120—Hinges (Screw Hook & Eye)

Auer John J. (Wrought), 197 Middleton, Brooklyn, N. Y.
Hager C. & Sons Hinge Mfg. Co. (Wrought Steel), St. Louis, Mo.
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
McKinney Mfg. Co., Liverpool & Metropolitan, Pittsburgh, Pa.
Milwaukee Stamping Co., W Allis, Milwaukee, Wis.
See adv index at end of book
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.

6121-2—Hinges (Screw, Hook & Strap)

Auer John, Jr., 197 Middleton, Brooklyn, N. Y.
Frantz Mfg. Co., Sterling, Ill.
Hager C. & Sons Hinge Mfg. Co. (Wrought Steel), St. Louis, Mo.
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
Lawrence Bros., Sterling, Ill.
McKinney Mfg Co., Liverpool & Metropolitan, Pittsburgh, Pa.
National Mfg. Co. (Wrought Steel), Sterling, Ill.
Sharon Hardware Mfg. Co., Sharon, Pa.
STANLEY WORKS, New Britain, Conn.
See adv index at end of book

6123— Hinges (Showcase)

Columbian Hardware Co., Cleveland, O.
Russell & Erwin Mfg. Co., New Britain, Conn.
Scovill Mfg. Co., Waterbury, Conn.
See adv index at end of book
Shelby Spring Hinge Co., Shelby, O.

Hinges (Shutter)

See Hinges, Blind & Shutter

6124—Hinges (Spring, Bank & Office Railing)

Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
Chicago Spring Butt Co., 1500 Carroll av, Chicago, Ill.
Columbian Hardware Co., Cleveland, O.
Columbus Brass Co., 620 Dublin av, Detroit, Mich.
See adv index at end of book

6125— Hinges (Spring Butt)

Bayer Gardner-Himes Co. ("Awl-in-Wun"), 101 Park av, New York
Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
Chicago Spring Butt Co. ("Ajax" "Chicago" "Relax" "Premier" Single & Double Acting), 1500 Carroll av, Chicago, Ill.
Columbian Hardware Co. ("Gem"), Cleveland, O.
Lawson Mfg. Co., 230 W Superior, Chicago
Shelby Spring Hinge Co. ("Shelby"), Shelby, O.

6126—Hinges (Spring, Closet Door)

Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
Chicago Spring Butt Co. ("Ajax" "Chicago" "Relax" "Premier"), 1500 Carroll av, Chicago, Ill.
Columbus Brass Co., 620 Dublin av, Detroit, Mich.
See adv index at end of book
Edwardsville Brass Co. (Double Acting Spring), Edwardsville, Ill.
Milwaukee Stamping Co. W Allis, Milwaukee, Wis. *See adv index at end of book*
Sanymetal Products Co., 978H E 64th, Cleveland, Ohio

6127— Hinges (Spring Door)

Arcade Mfg. Co. ("Arcade"), Freeport, Ill.
Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
Chicago Spring Butt Co. ("Triplex" "Ajax" "Chicago" "Relax" "Premier" Springs), 1500 Carroll av, Chicago, Ill.
Coleman Hdwe. Co., 952 N Michigan av, Chicago, Ill.
Columbian Hardware Co. ("Gem"), Cleveland, O.
Lawson Mfg. Co. ("Lawson"), 230 W Superior, Chicago, Ill.
Milwaukee Stamping Co., W Allis, Milwaukee, Wis. *See adv index at end of book*
Racine Metal Stamping Co. ("Racine"), Racine, Wis.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Scovill Mfg. Co. (Brass), Waterbury, Conn. *See adv index at end of book*
Sargent & Co., Water & Walce, New Haven, Conn.
Shelby Spring Hinge Co., Shelby, O.
Stover Mfg. & Engine Co. ("Ideal"), Freeport, Ill.
Superior Spring Hinge Co. ("Superior" Surface Floor Ball Bearing), 136 W Lake, Chicago, Ill.
Western Brass Mfg. Co., 217 Tehama, San Francisco, Cal.

6128—Hinges (Spring, Double Acting)

Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
Barlow Foundry Co. ("Cowell's"), 551 N. J. R. R. av, Newark, N. J.
Champion Hardware Co., Geneva, O.
Chicago Spring Butt Co. ("Ajax" "Chicago" "Relax" "Premier"), 1500 Carroll av, Chicago, Ill.
Columbian Hardware Co., Cleveland, O.
Columbus Brass Co., 620 Dublin av, Detroit, Mich.
See adv index at end of book
Dayton Mfg. Co., Dayton, O.
Lawson Mfg. Co. ("Lawson" Reinforced Single & Double Acting, Also Double Acting Ball Bearing, Mortise Floor), 230 W Superior, Chicago, Ill.
MILWAUKEE STAMPING CO., W Allis, Milwaukee, Wis.
See adv index at end of book
Racine Metal Stamping Co. ("Racine"), Racine, Wis.
Sanymetal Products Co., 978-988H E 64th, Cleveland, Ohio
Shelby Metal Products Co., Shelby, Ohio
Shelby Spring Hinge Co., Shelby, O.
Stover Mfg. & Engine Co. ("New Ideal" Jaw Hinges), Freeport, Ill.
Superior Spring Hinge Co. ("Superior"), 136 W Lake, Chicago, Ill.
Western Brass Mfg. Works (Cast Brass, Nickel Plated, etc), Marshall blvd & W 21st, Chicago, Ill.
Western Brass Mfg. Co., 217 Tehama, San Francisco, Cal.

6129—Hinges (Spring, Iron Railing Makers')

Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
Chicago Spring Butt Co. ("Ajax" "Chicago" "Relax" "Premier"), 1500 Carroll av, Chicago, Ill.

6130—Hinges (Spring, Lavatory)

Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
Chicago Spring Butt Co. ("Ajax" "Chicago" "Relax" "Premier"), 1500 Carroll av, Chicago, Ill.
COLUMBUS BRASS CO., 620 Dublin av, Detroit, Mich.
See adv index at end of book
Greenberg's M. & Son (Nickeled), Folsom & Alice, San Francisco, Cal.
Lawson Mfg. Co. ("Lawson" Brass or Bronze, All Finishes), 230 W Superior, Chicago, Ill.
Milwaukee Stamping Co., W Allis, Milwaukee, Wis. *See adv index at end of book*
Sanymetal Products Co., 978H E 64th, Cleveland, O.
Sargent & Co., Water & Walce, New Haven, Conn.

6131-2-3—Hinges (Spring, Marble Work)

Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
Chicago Spring Butt Co. ("Ajax" "Chicago" "Relax" "Premier"), 1500 Carroll av, Chicago, Ill.
Columbian Hardware Co. ("Gem"), Cleveland, O.
Columbus Brass Co., 620 Dublin av, Detroit, Mich.
See adv index at end of book
Edwardsville Brass Co. (Double Acting, etc), Edwardsville, Ill.
Lawson Mfg. Co., 230 W Superior, Chicago
Milwaukee Stamping Co., W Allis, Milwaukee, Wis. *See adv index at end of book*
Sanymetal Products Co., 978H E 64th, Cleveland, O.

6134-5-6—Hinges (Spring, Safe Makers')

Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
Milwaukee Stamping Co., W Allis, Milwaukee, Wis. *See adv index at end of book*

6137—Hinges (Spring, Wrought Brass & Bronze Door)

Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
Chicago Spring Butt Co. ("Ajax" "Chicago" "Relax" "Premier"), 1500 Carroll av, Chicago, Ill.
Columbian Hardware Co., Cleveland, O.

6138—Hinges (Spring, Wrought Steel)

Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
Chicago Spring Butt Co. ("Ajax" "Chicago" "Relax" "Premier"), 1500 Carroll av, Chicago, Ill.
Columbian Hardware Co., Cleveland, O.
Hager C. & Sons Hinge Mfg. Co., 3427 De Kalb, St. Louis, Mo.

Lawrence Bros., Sterling, Ill.
McKinney Mfg. Co., Metropolitan & Liverpool, Pittsburgh, Pa.
Milwaukee Stamping Co., W Allis, Milwaukee, Wis. *See adv index at end of book*

6139— Hinges (Stay)

Eagle Lock Co., Terryville, Conn.
Milwaukee Stamping Co., W Allis, Milwaukee, Wis. *See adv index at end of book*

Hinges (Storm Window)

See Hangers, Storm Sash & Screen

6140— Hinges (Strap & T)

American Shovel & Stamping Co., Lorain, O.
Art Brass & Plating Works, 539 1st av S, Seattle, Wash.
Atlas Mfg. Co. ("Atlas" Strap), 125 Water, New Haven, Conn.
Frantz Mfg. Co., Sterling, Ill.
Griffin Mfg. Co. (Pressed Steel), Erie, Pa.
Hager C. & Sons Hinge Mfg. Co. (Wrought Steel), St. Louis, Mo.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Lawrence Bros. (Steel), Sterling, Ill.
McKinney Mfg. Co. (Wrought Steel), Liverpool & Metropolitan, Pittsburgh, Pa.
National Mfg. Co. (Wrought Steel), Sterling, Ill.
Oliver Iron & Steel Co. (Strap Only), S 10th & Muriel, Pittsburgh, Pa.
Richards-Wilcox Mfg. Co., Aurora, Ill. *See adv index at end of book*
Sargent & Co., Water & Walce, New Haven, Conn.
Stanley Works (Wrought Steel, Plain & Corrugated), New Britain, Conn.
Wilcox Crittenden & Co. Inc. (Strap Only), 444 S Main, Middletown, Conn. *See adv index at end of book*

6140a— *Hinges (Suit Case)

Stanley Works, New Britain, Conn. *See adv index at end of book*

6141— Hinges (Surface)

Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
Griffin Mfg. Co., Erie, Pa.
Hager C. & Son Hinge Mfg. Co. (Ornamental Wrought Steel), 2447H De Kalb, St. Louis, Mo.
Lawrence Bros. (Ornamental), Sterling, Ill.
Lawson Mfg. Co. ("Lawson" All Steel Floor & Jam Spring), 230 W Superior, Chicago, Ill.
Milwaukee Stamping Co., W Allis, Milwaukee, Wis. *See adv index at end of book*
National Mfg. Co. (Ornamental), Sterling, Ill.
Sharon Hardware Mfg. Co. ("Sharon Beauties"), Sharon, Pa.
Shelby Spring Hinge Co., Shelby, O.
Stanley Works (Surface & Half Surface), New Britain, Conn.

6142—Hinges (Surface Floor)

Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
Milwaukee Stamping Co., W Allis, Milwaukee, Wis. *See adv index at end of book*

6143— Hinges (Table)

Hager C. & Sons Hinge Mfg. Co. (Wrought Steel), St. Louis, Mo.
Lawrence Bros. (Wrought Steel), Sterling, Ill.
McKinney Mfg. Co. (Wrought Steel), Liverpool & Metropolitan, Pittsburgh, Pa.
Stanley Works, New Britain, Conn.

6143a—*Hinges (Tail Board)

Beehler Steel Products Co., 1449 N 13th, St. Louis, Mo.
Stanley Works, New Britain, Conn. *See adv index at end of book*

6143b— *Hinges (Trunk)

Beehler Steel Products Co., 1449 N 13th, St. Louis, Mo. *See adv index at end of book*
Stanley Works ("Hart's" Wrought), New Britain, Conn.

6143c— *Hinges (Wardrobe)

Stanley Works, New Britain, Conn.

6144— Hinges (Wash Tray)

Hager C. & Sons Hinge Mfg. Co., St. Louis, Mo.
Lawrence Bros. (Wrought Steel), Sterling, Ill.
McKinney Mfg. Co. (Wrought Steel), Liverpool & Metropolitan, Pittsburgh, Pa.
Stanley Works (Wrought Steel), New Britain, Conn.

6144a—*Hinges (Washing Machine)

Stanley Works, New Britain, Conn.

6145— Hinges (Wire)

Beehler Steel Products Co., 1449 N 13th, St. Louis, Mo. *See adv index at end of book*
Smith F. P. & Co. (Wire Box), Sharon Hill, Pa.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

6145a—*Hinges (Wrought Brass, Corrugated)

Stanley Works, New Britain, Conn.

6146—Hinges (Wrought Steel Butt)

Beehler Steel Products Co., 1449 N 13th, St. Louis, Mo.
Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
Griffin Mfg. Co., Erie, Pa.
Hager C. T. Sons Hinge Mfg. Co., St. Louis, Mo.
McKinney Mfg. Co., Liverpool & Metropolitan, Pittsburgh, Pa.
Milwaukee Stamping Co., W Allis, Milwaukee, Wis. *See adv index at end of book*
National Mfg. Co., Sterling, Ill.
Penn Hardware Co., Reading, Pa.
Stanley Works, New Britain, Conn.

6147— Hitchings (Mine Car)

American Chain Co., Bridgeport, Conn.
Fleming J. R. & Son Co., Scranton, Pa.
Irwin Foundry & Mine Car Co., Irwin, Pa.
Macwhyte Co. ("Monarch"), Kenosha, Wis.
Nicholson & Co., Rankin, Pa.
Phillips Mine & Mill Supply Co., 2227 Jane, Pittsburgh, Pa.
Pittsburgh Gage & Supply Co., 30th & Liberty av, Pittsburgh, Pa.
Pittsburgh Knife & Forge Co. ("Harris"), Ridge & Chateau, Pittsburgh, Pa.
Pressed Steel Car co., 307 5th av, Pittsburgh, Pa.
Sanford-Day Iron Wks., 612 Dale, Knoxville, Tenn.
Stine S. B., Osceola Mills, Pa.
United Iron Works, Inc., Kansas City, Mo.
Valley Forging Co., Vernon, Pa.
Western Steel Car & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.

6148— Hitchings (Screw)

Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.

6149— Hobs (Bolt Cutter)

Card S. W Mfg. Co., Mansfield, Mass.
Wicaco Screw & Mach. Wks., 4801H Stanton av, Phila., Pa.

6150— Hobs (Die)

Brubaker W. L. & Bros. (Solid), Millersburg, Pa.
Carpenter J. M. Tap & Die Co. (Solid, Open Sellers), Pawtucket, R. I.
Greenfield Tap & Die Corp. ("G. T. D."), Greenfield, Mass.
Pratt & Whitney Co., Hartford, Ct.

6151-2— Hobs (Gear)

Barber-Colman Co. (Spline Shaft Ratchet & Sprocket), Rockford, Ill.
Brown & Sharp Mfg. Co., Dept. H, Providence, R. I.
CLARK CUTTER CO., 1304 Harper av, Detroit, Mich.
Cleveland Cutter & Reamer Co. The, 1619 Merwin av, Cleveland, O.
Illinois Tool Works (Spur), 2501 N Keeler av, Chicago, Ill.
MEISSELBACH-CATUCCI MFG. CO., 56 Stanton, Newark, N. J. *See adv index at end of book*
National Tool Co., Cleveland, O. *See adv index at end of book*
Wicaco Screw & Mach. Wks., 4801H Stanton av, Phila., Pa.

6153— Hobs (Worm)

Barber-Colman Co., Rockford, Ill.
Brown & Sharpe Mfg. Co., Providence, R. I.
CLARK CUTTER CO., 1304 Harper av, Detroit, Mich.
Cleveland Cutter & Reamer Co., The, 7410 Madison, Cleveland, O.
Gould & Eberhardt, 97 N. J. R. R. av, Newark, N. J.
Illinois Tool Works, 2501 N Keeler av, Chicago, Ill.
National Tool Co. (Also Spur Gear), Cleveland, O. *See adv index at end of book*
Pratt & Whitney Co., Hartford, Conn. *See adv index at end of book*
Union Twist Drill Co., Athol, Mass.

6154— Hods (Coal)

Atlantic Stamping Co., 156-180 Ames, Rochester, N. Y.
Buffalo Mach. Mfg. Co., 1354 West av, Buffalo, N. Y.
Central Stamping Co. ("Puritan," "Central" Galvanized & Japanned, etc), 296 B'way, New York
Crunden-Martin Mfg. Co. (Galvanized & Japanned), 2d & Gratiot, St. Louis, Mo.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis. *See adv index at end of book*
Kreamer A., Inc., 307 Kent av, Brooklyn, N. Y.
Lisk Mfg. Co. (Galvanized), Canandaigua, N. Y.
Metal Products Corp., 49 Chestnut, Weehawken, N. J.
National Enameling & Stamping Co., 411 5th av, New York
New England Enameling Co. (Galvanized Iron), Middletown, Conn.
Pfeifer Jno. & Co. (Ltd.), 222 Race, Philadelphia, Pa.
Republic Metalware Co., 100 Alabama, Buffalo, N. Y.
Rochester Can Co. ("Iron Horse" Galvanized), 89 Hague, Rochester, N. Y.
Wheeling Corrugating Co., Wheeling, W. Va.

6155-6—Hods (Mortar and Brick)

Alameda Aluminum Foundry (Aluminum), 2417 Clement av, Alameda, Cal.
Anderson W. H. Tool & Supply Co. (Wood), Franklin & Dubois, Detroit, Mich.
Berg Johnson Mfg. Co., 5001 S Wells, Chicago, Ill.
Chesebro, Whitman Co., 1167 1st av, New York
Clark W. J. Co., Salem, O.
Cleveland Wire Spring Co. ("Iron Clad," "Never Drip" & "Hercules" Steel), 1231 E 38th, Cleveland, O.
Crescent Tool Mfg. Co., 1002 Case av, St. Louis, Mo.
Goldblatt H. Tool Co., 1522 Walnut st, Kansas City, Mo.
Lansing Co., Lansing, Mich.
Mostberger Iron Co., 378 S Division, Buffalo, N. Y.
Wheeling Corrugating Co., Wheeling, W. Va.

Hods (Steel)

See Hods, Mortar & Brick

6157— Hoe Mfrs.

See also Hoes (Steel)

American Axe & Tool Co. (Grub), Glassport, Pa.
American Fork & Hoe Co. ("True Temper," "Mississippi," "Sandwich Islands," "Texas," "Crescent," "Giant," Boys, Field, Garden, Mortar Mixer, Ladies' Cultivator, Planters, Onion Weeders, Turnip Weeding, etc.), Swetland bldg., Cleveland, O.
American Shovel & Stamping Co., Lorain, Ohio
Collins Co., Collinsville, Conn.
Cronk & Carrier Mfg. Co. (Weeding Garden), 150 Lake, Elmira, N. Y.
Gilson Mfg. Co. ("Bolens' Power), Port Washington, Wis.
Hubbard & Co. (Accomac, Clay, Hazel, Palmetto), 63rd & Butler, Pittsburgh, Pa.
Hussey Plow Co., North Berwick, Me.
Iron City Tool Works (Grub Palmetto, etc.), 3201H Smallman, Pittsburgh, Pa.
Klein-Logan Co. (Grub, Palmetto, etc), 13th & Breed, Pittsburgh, Pa.
Kohler F. E. Co. (Garden, Field & Weed), Canton, O.
Mann Jas. H. Co. (Planters), Lewistown, Pa.
Maynard C. A. (Planters), Northampton, Mass.
North Wayne Tool Co. (The C. C. Brooks), Hallowell, Me.
Owensboro Shovel & Tool Co. (Goose Neck Cotton, Planter, Garden, Southern Meadow, etc), Owensboro, Ky.
Sandusky Tool Co. (Planters, Grub, Grape, Tobacco, Rice, Cane, Cotton, Street Cleaning, etc), Sandusky, O.
Scovil D. & H. ("Scovil" Hoes), Higganum, Conn.
Syracuse Chilled Plow Co. (Berry & Potato), Syracuse, N. Y.
Union Fork & Hoe Co. ("Faultless," "Smith's," "Rhode Island," "Kalamazoo," "Louisiana" & "Texas," "Meadow-Monarch" Field, Cotton, Garden, Mortar Mixing, Planters, Chopper & Shuffle), Columbus, O.
Union Furnace Mfg. Co. (Malleable Iron), Union Furnace, Pa.
Wallingford Mfg. Co. (Garden, Cotton, Planters, etc), Wallingford, Vt.
Warren Tool & Forge Co. (Grub Hazel), 145 Griswold, Warren, O.
Warwood Tool Co. (Grab & Hazel), 19th, Warwood, Wheeling, W. Va.

6158—Hoes (Asphalt Patching)

Barber Asphalt Co. ("Iroquois"), Land Title bldg, Phila., Pa.

6159— Hoes (Cultivator)

American Fork & Hoe Co. (5 Prong), Swetland bldg., Cleveland, O.
Cronk & Carrier Mfg. Co. ("Cronk"), 150 Lake, Elmira, N. Y.
Norcross C. S. & Sons ("Norcross" 3 & 5 Prong Garden), Bushnell, Ill.

6160—Hoes (Garden, Wheel)

Allen S. L. Co., 5th & Glenwood), Phila., Pa.
Avery B. F. & Sons, Lousiville, Ky.
Bacon Mfg. Co., Pontiac, Mich.
Bateman Mfg. Co. ("Gem," "Iron Age"), Grenloch, N. J.
Everts Mfg. Co. ("Improved Meridian"), Meridian, N. Y.
Hussey Plow Co., North Berwick, Me.
Moline Plow Co. ("Empire"), Moline, Ill.
Moore Plow & Implement Co., Greenville, Mich.
Niemann & Hieronymus (Rotary), Mt. Olive, Ill.
Ohio Cultivator Co. ("Climax," "Dexter," "Skaboo"), Bellevue, O.
Thornburg Mfg. Co. ("Toledo"), Bowling Green, O.

Hoes (Grub)

See Picks, Mattocks & Grub Hoes

6161— Hoes (Horse)

Adams S. & Son, Rome, N. Y.
Allen S. L. & Co. ("Planet, Jr."), 5th & Glenwood, Phila., Pa.
Bateman Mfg. Co. ("Iron Age"), Grenloch, N. J.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Benecia Agricultural Works, Benecia, Cal.
Empire Plow Co., 3140 E 65th, Cleveland, Ohio
Hussey Plow Co. (Potato), N. Berwick, Me.

6162— Hoes (Motor)

Wallingford Mfg. Co., Wallingford, Vt.

6163— Hoes (Onion)

Clark W. J. Co., Salem, O.
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book

6164— Hoes (Scuffle)

Potter Mfg Co., Geneva, O.
Union Fork & Hoe Co. (Railroad, Garden, etc), Columbus, O.

6164a— *Hoes (Steel)

See also Hoe Mfrs.

Warren Tool & Forge Co., 145 Griswold, Warren, O.
See adv index at end of book

6165— Hogs (Saw Mill)

Bartlett A. F. & Co., Saginaw, Mich.
Charleston Dry Dock & Machine Co., Charleston, S. C.
Diamond Iron Works, 2nd & 18th av N, Minneapolis, Minn.
Manistee Iron Works Co., Manistee, Mich.
Sumner Iron Wks., Everett, Wash.
MITTS & MERRILL, 1939 S Water, Saginaw, Mich.
WILLIAMS PATENT CRUSHER & PULVERIZER CO., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

6166— Hogsheads

American Stave & Cooperage Co. (Oak), Chelsea, Mass.
Armer Clarence H. & Bro., Augusta, Ky.
Baltimore Cooperage Co., The (For Wine Mfrs.), Ostend & Leadenhall, Baltimore, Md.
Fridman Lumber Co., New Richmond, O.
Mayfield Planing Mills, Mayfield, Ky.
Ryan John (Estate of), Hoboken, N. J.
Waller Mfg. Co. (Tobacco), Lexington, Ky.
Williams S. C. & Co., East Liverpool, O.

6166a— Hoists (Air)

Chicago Pneumatic Tool Co., 6 E 44th, New York *See adv index at end of book*
Hanna Engineering Wks. ("Q. M. S."), 1764 Elston av, Chicago, Ill.
LIDGERWOOD MFG. CO., 96 Liberty, New York
See adv index at end of book
Northern Engineering Co., 9 Chene, Detroit, Mich.
Whiting Corp., Dept. H, Harvey, Ill.
Wright David A., Inc., 601 W Monroe, Chicago, Ill.

Hoists (Air Cylinder)

See Pneumatic Hoists

Hoists (Air Motor)

See Pneumatic Hoists

6167— Hoists (Ash)

American Engng. Co., Aramingo & Cumberland, Phila., Pa.
Amos Chas. & Co., Inc., 3900 Hart av, Detroit, Mich.
Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Beckwith Elevator Co., 123 Pearl, Boston, Mass.
Chain Belt Co., Milwaukee, Wis.
See adv index at end of book
Curtis & Co. Mfg. Co., 1571 Kienlen av, St. Louis, Mo.
DAKE ENGINE CO., Grand Haven, Mich.
See adv index at end of book
DETROIT HOIST & MACHINE CO., Detroit, Mich. *See adv index at end of book*
Ernst, Chas. K., Buffalo, N. Y.
Guarantee Construction Co., 92 West, New York
Hoist & Crane Engineering Co. (The), Engineering bldg, Liberty, New York City
See adv index at end of book
Hyde Windlass Co., Bath, Me.
Insley Mfg. Co. (Automatic Dumping Bucket), 3500 E St. Claire, Indianapolis, Ind.
Jeffrey Mfg. Co., 961 N Fourth, Columbus, O. *See adv index at end of book*
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.
MUNDY J. S. HOISTING ENGINE CO., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book
New Jersey Foundry & Machine Co., 90 West st, New York
Northern Engineering Works (For Power Plants), 9 Chene, Detroit, Mich.
Republic Struc'l Iron Wks. Co., 350 E 53rd, Cleveland, O.
Robins Conveying Belt Co., 15 Park Row, New York
See adv index at end of book
Schramm, Inc., West Chester, Pa.
Sharp Rotary Ash Receiver Co., 309 Bridge, Springfield, Mass.
Specialty Device Co., 106 W 3rd, Cincinnati, O.
Speidel Elevator Corp. (Cellar), Reading, Pa.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.

6168— Hoists (Ash Can)

Ernst C. K., Buffalo, N. Y.
Gillis & Geoghegan ("G. & G."), 537 W B'way, New York

6169—Hoists (Auto, Dump Body Operating)

Auto Truck Service Co. ("Easy Lift"), 946 3d, Milwaukee, Wis.
Coast Engine & Machine Works ("Coast"), E. Madison & Water, Portland, Ore.
Hydraulic Hoist Mfg. Co., St. Paul, Minn.
Lally Commercial Body Co., Everett, Mass.
Lee Loader & Body Co., 2343 S La Salle, Chicago, Ill.
Mahannah & Alford ("Buckman" Hydraulic Hoist), 215 Spear, San Francisco, Cal.
Miesel Press Mfg. Co. (Hand), 942 Dorchester av, Boston, Mass.
Van Dorn Iron Works Co. (The), 2700 E 79th, Cleveland, Ohio
See adv index at end of book
Washington Machy. & Supply Co., Division & O. W. R. & N. Tracks, Spokane, Wash.
See adv index at end of book
Western Engineering Corp., Spokane & Marginal Way, Seattle, Wash.
Wood Hydraulic Hoist & Body Co., 4196 Bellevue, Detroit, Mich.
Wright Thos. Co., 245 Monmouth, Jersey City, N. J.
Young Iron Works ("Simplex"), 2951 1st av S, Seattle, Wash.

6170— Hoists (Beef)

Allbright-Nell Co. (Friction for Packing Houses, etc), 5315 Western av, Chicago, Ill.
Oakland Refrigerator & Butchers Supply, 1616 N 12th, Oakland, Cal.
Treece W. C. & Co. ("Peerless" for Slaughtering Beef, etc), Findlay, O.

6171-2-3— Hoists (Belt)

See also Engines, Hoisting

Am. Hoist & Derrick Co. ("American"), 63 S Robert, St. Paul, Minn.
Archer Iron Works, 2436 W 34th pl, Chicago, Ill.
Bell W. Lewis ("B. B."), 314 1st, San Francisco, Cal.
See adv index at end of book
Box William A. Iron Works Co., 3309 Blake, Denver, Colo.
Byers Jno. F. Machine Co., 242 S Sycamore, Ravenna, O.
See adv index at end of book
Clyde Iron Works Sales Co. (Friction Drum, etc.), Duluth, Minn.
See adv index at end of book
Davis Norris K., 400 7th, San Francisco, Cal.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Dow David & Son, 1258 1st av, So. Seattle, Wash.
Flory S. Mfg. Co., Bangor, Pa.
See adv index at end of book
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.
Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book
NATIONAL HOISTING ENGINE CO., 325 Manor av, Harrison, N. J.
See adv index at end of book
O. K. Clutch & Machinery Co. ("O. K."), Hendricks st, Columbia, Pa.
Pacific Hoist & Derrick Co., 818 1st av S, Seattle, Wash.
Sauerman Bros., 458 S. Clinton st, Chicago, Ill.
See adv index at end of book
Star Machinery Co., 1713 1st av S, Seattle, Wash.
Street Bros. Mach. Wks., Chattanooga, Tenn.
United Iron Wks., Kansas City, Mo.

Hoists (Blast Furnace)

See Hoists, Steam

Hoists (Body-Dumping)

See Hoists, Auto, Dump Body Operating

Hoists (Builders')

See Hoists, Contractors' Material; also Elevators, Hod

6174—Hoists (Builders' Electric)

See also Hoists, Electric

Bell W. Lewis ("B. B."), 314 1st, San Francisco, Cal.
See adv index at end of book
CLYDE IRON WORKS SALES CO. (Also Belt, Steam & Gasoline), Duluth, Minn. *See adv index at end of book*
Davis Norris K., 400 7th, San Francisco, Cal.
Flory S. Mfg. Co., Bangor, Pa.
See adv index at end of book
Fulton Engine Works, 1000 Alhambra, Los Angeles, Cal.
Harnischfeger Corp., Milwaukee, Wis.
See adv index at end of book
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book
National Hoisting Engine Co., 325 Manor av, Harrison, N. J.
See adv index at end of book
Northern Engineering Works, 9 Chene, Detroit, Mich.
O. K. Clutch & Machinery Co. ("O.K.") Hendricks st, Columbia, Pa.
Pacific Hoist & Derrick Co., 818 1st av S, Seattle, Wash.
Schramm Inc., West Chester, Pa.
Standard Scale & Supply Co., 1631 Liberty av, Pittsburgh, Pa.

6175— Hoists (Cableway)

Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book
San Diego Machine Works, 739 4th, San Diego, Cal.
Standard Scale & Supply Co., 1631 Liberty av, Pittsburgh, Pa.

Hoists (Car and Coach)

See Cranes (Traveling); also see Cranes (Electric Traveling)

6175a— Hoists (Cargo)

Bacon & Matheson Forge Co. (Special, Single Whip), 17H W Lander, Seattle, Wash.
DAKE ENGINE CO., Grand Haven, Mich.
See adv index at end of book
Flory S. Mfg. Co., Bangor, Pa.
See adv index at end of book
Fulton Engine Works, 1000 Alhambra, Los Angeles, Cal.
Hallidie Co. (Dealers), Spokane, Wash.
Hesse-Ersted Iron Works (Steam), E. 8th & Taylor, Portland, Ore.
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
Main Iron Works, 16th & Daggett, San Francisco, Cal.
Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book
National Hoisting Engine Co., 325 Manor av, Harrison, N. J.
See adv index at end of book

6176— *Hoists (Cellar)

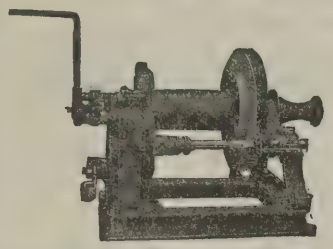
Curran, Jos. H., Elevator Co., 116 W. Second, Cincinnati, Ohio.
Speidel Elevator Corp. ("Speidel" Vertical & Inclined), Reading, Pa.

6177-8— Hoists (Chain)

See also Pneumatic Hoists

Abell-Howe Co. (Block), 53 W Jackson, Chicago, Ill.
Box Alfred Co., Centario & Trenton, Phila., Pa.
Carpenter Geo. B. & Co., 434 N Wells, Chicago, Ill.
See adv index at end of book

HOISTING ENGINES and HOISTING UNITS That Fit Into Your Requirements



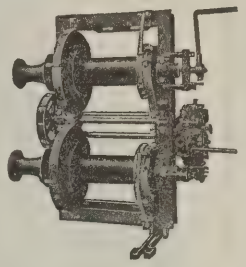
DAKE Single Drum Hoisting Engines are made in eight sizes, ranging from 2 h.p. to 30 h.p. Tight or friction drums, with reversing engine and foot brakes. Also double and single gearing and two drum units.

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Century Hoist Mfg. Co. ("Century"), Lock Haven, Pa.

Channon Jas. H. Mfg. Co. ("Union," "Weston" Differential), 227H W Erie, Chicago, Ill.

Chisholm Moore Mfg. Co. ("Cyclone" High Speed, "Moore's" Anti-Friction, with Automatic Brake, Direct Differential), 5046 Lakeside av, Cleveland, Ohio

Crozier R. J. Co. (Dirs.), 10 S 18th, Phila., Pa.

Curtis & Co. Mfg. Co. (Pneumatic), 1571 Kienlen av, St. Louis, Mo.

DETROIT HOIST & MACHINE CO., Detroit, Mich. *See adv index at end of book*

Dunn Jas. P. ("Bailey"), Cleveland, O.

Godfrey Keeler Co., 70 Warren, New York

Granger Co., A. D., 17 Park Row, New York
See adv index at end of book

Harrington Co. ("Peerless"), 17th & Callowhill, Philadelphia, Pa.

Hobbs Clinton & Co. ("Weston" "Red Line" Differential), 37 Pearl, Boston, Mass.

Irving Mfg. & Tool Co., 157 Chambers, New York

Manning, Maxwell & Moore, Inc., 100 E 42nd, New York
See adv index at end of book

Marburg Bros., 90 West, New York

Meyer Henry H. Co. (Dirs.), 110 S Howard, Baltimore, Md.
See adv index at end of book

Moore Franklin Co. ("Acme," "Imperial," ¼ to 20 tons), Winsted, Conn.

New Jersey Foundry & Machine Co., "Delta," 90 West, New York

READING CHAIN & BLOCK CORP. ("Reading" Multiple Gear), Reading, Pa.
See adv index at end of book

RICHARDS-WILCOX MFG. CO., Aurora, Ill. *See adv index at end of book*

ROUND D. & SON ("Superior"), Penn R. R. & Henry, Cleveland, Ohio
See adv index at end of book

Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*

Speidel Elevator Corp. ("Simplex"), Reading, Pa.

Topping Bros., 156 Varick st, New York
See adv index at end of book

CHAIN HOISTS
Spur Gear, Screw Gear
Electric and Differential
Material Handling Equipment
TOPPING BROTHERS
156 VARICK STREET, NEW YORK

Whiting Foundry Equipment Co. (Chain & Rope), 157th & Halstead, Chicago, Ill.

Wright David A., Inc., 601 W Monroe, Chicago, Ill.

Wright Mfg. Co. ("Wright" High Speed), Lisbon, O.

Yale & Towne Mfg. Co. ("Yale" "Differential, Yale" Spur Geared and "Yale" Screw Geared), Stamford, Conn.

6179—Hoists (Coal Handling)

Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.

Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book

Brown Hoisting Machinery Co. (The), 4403 St. Clair, NE, Cleveland, O.
See adv index at end of book

Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book

Flory S. Mfg. Co., Bangor, Pa.
See adv index at end of book

Granger Co., A. D., 17 Park Row, New York
See adv index at end of book

Hunt C. W. Co., West New Brighton, N. Y.
See adv index at end of book

Jeffrey Mfg. Co., 961 N Fourth, Columbus, O. *See adv index at end of book*

Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

McMYLER-INTERSTATE CO. (THE), Cleveland, O. *See adv index at end of book*

Marion Machine Foundry & Supply Co., Marion, Ind.

Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book

National Hoisting Engine Co., 325 Manor av, Harrison, N. J.
See adv index at end of book

New Jersey Foundry & Machine Co., 90 West st, New York

Northern Engineering Works (For Unloading Cars, Vessels, etc.), 9 Chene, Detroit, Mich.

Ohio Locomotive Crane Co., Frederick, Bucyrus, O. *See adv index at end of book*

Pacific Hoist & Derrick Co., 818 1st av S, Seattle, Wash.

Robins Conveying Belt Co., 15 Park Row, New York *See adv index at end of book*

Treadwell Engineering Co., Easton, Pa.
See adv index at end of book

Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

6180—Hoists (Coal, Incline Traveling)

Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book

Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book

Flory S. Mfg. Co., Bangor, Pa.
See adv index at end of book

Hunt C. W. Co., West New Brighton, N. Y.
See adv index at end of book

Jeffrey Mfg. Co., 961 N Fourth, Columbus, O. *See adv index at end of book*

Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

MUNDY J. S. HOISTING ENGINE CO., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book

Robins Conveying Belt Co., 15 Park Row, New York
See adv index at end of book

Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

6181—Hoists (Combined with Trolley)

Hobbs Clinton & Co. ("Red Line"), 37 Pearl, Boston, Mass.

Hoist & Crane Engineering Co. (The), Engineering bldg, Liberty, New York City
See adv index at end of book

Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book

LINK-BELT COMPANY, 300 W 39th, Chicago, Ill. *See adv index at end of book*

NEW JERSEY FOUNDRY & MACHINE CO., 90 West st, New York

ROUND D. & SON, Penn. R. R. & Henry, Cleveland, Ohio
See adv index at end of book

Vulcan Mfg. Co., 1200 4th av, Seattle, Wash.

6182—Hoists (Concrete Bucket)

Davis Norris K., 400 7th, San Francisco, Cal.

Flory S. Mfg. Co., Bangor, Pa.
See adv index at end of book

Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book

Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book

Novo Engine Co. (& Engines Combined), Lansing, Mich.

O. K. Clutch & Machinery Co. ("O.K."), Hendricks st, Columbia, Pa.

Standard Scale & Supply Co., 1631 Liberty av, Pittsburgh, Pa

6183—Hoists (Contractors' Material)

See also Elevators, Hod

American Cement Machine Co., Keokuk, Ia.

Archer Iron Works (Steel Skeleton), 2436 W 34th pl, Chicago, Ill.

Atkinson W. H. Co., Hoboken, N. J.

Bates & Edmonds Motor Co. (Gasoline for Double Platform), Lansing, Mich.

Bell W. Lewis ("B. B."), 314 1st, San Francisco, Cal.
See adv index at end of book

B. B. HOISTS
Electric
Gasoline
Belt Driven Hoists
and Hand Winches
W. LEWIS BELL
314 First Street San Francisco, Calif.

Biegert J. C. Machine Works, Seattle, Wash.

Box William A. Iron Works Co., 3309 Blake, Denver, Colo.

Brewer W. A., 3612 S Alameda, Los Angeles, Cal.

Byers Machine Co. The, 242 Sycamore, Ravenna, O. *See adv index at end of book*

C. H. & E. MFG. CO. ("C. H. & E." Single Drum Double Acting Engine or Motor Driven), 254 Mineral, Milwaukee, Wis.
See adv index at end of book

Chicago Pneumatic Tool Co., 6 E 44th, New York *See adv index at end of book*

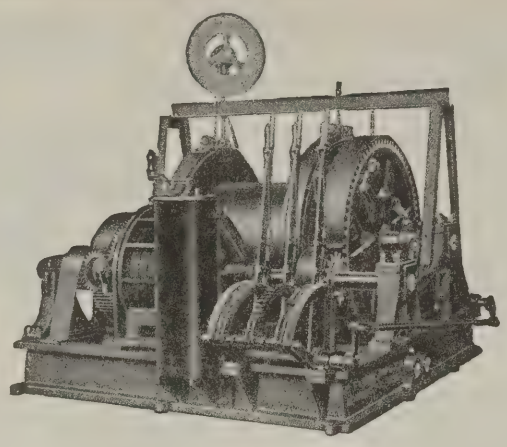
Clover Leaf Machine Co., South Bend, Ind.

Clyde Iron Works Sales Co., Duluth, Minn.
See adv index at end of book

Construction Machinery Co. ("Polygon" Gasoline Engine), 113 Vinton, Waterloo, Iowa

DAKE ENGINE CO. (Steam or Air), Grand Haven, Mich.
See adv index at end of book

(Continued on following page)



FLORY HOISTS

ELECTRIC—STEAM—BELT—GASOLINE

For Every Requirement

CABLEWAYS — DREDGING MACHINERY

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Hoists (Contractors' Material)—Continued

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Ersted Machy. Mfg. Co., E 29th & Clackamas, Portland, Ore.
FLORY S. MFG. CO., Bangor, Pa.
See adv index at end of book
Fulton Engine Works, 1000 Alhambra, Los Angeles, Cal.
General Machinery Co., S. 13 Post, Spokane, Wash.
Grote F. Mfg. Co., 120 3rd av, Evansville, Ind.
Hesse-Ersted Iron Works, E. 8th & Taylor, Portland, Ore.
Hallidie Co. (Dealers), Spokane, Wash.
Harnischfeger Corp., Milwaukee, Wis.
See adv index at end of book
Insley Mfg. Co. (Steel Skeleton), E. St. Clair & Olney, Indianapolis, Ind.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
Mead-Morrison Mfg. Co., Cor Prescott & Orleans, **East Boston, Mass.**
MUNDY J. S. HOISTING ENGINE CO. ("Mundy"), 735 Frelinghuysen av, Newark, N. J. *See adv index at end of book*
NATIONAL HOISTING ENGINE CO., 325 Manor av, Harrison, N. J.
See adv index at end of book
Northwestern Iron Works, Seattle, Wash.
Novo Engine Co. (& Engines Combined), Lansing, Mich.
O. K. Clutch & Machinery Co., ("O.K.") Hendricks st, Columbia, Pa.
Pacific Hoist & Derrick Co., 818 1st av S, Seattle, Wash.
Patten Mfg. Co. (Double Platform, Electric Gasoline & Steam), 3803 St. E. av, Chattanooga, Tenn.
ROUND D. & SON, Penn. R. R. & Henry, Cleveland, Ohio
See adv index at end of book
SASGEN DERRICK CO., 3000 W Grand av, Chicago, Ill.
See adv index at end of book
Seattle Machine Works, 51 W Lander, Seattle, Wash.
Standard Scale & Supply Co., 1631 Liberty av, Pitsburgh, Pa.
Street Bros. Machine Works, Chattanooga, Tenn.
Supple Jos. Mach. Works, Inc., 177 E Water, Portland, Ore.
Universal Hoist & Mfg. Co., Cedar Falls, Iowa
Waterloo Gasoline Engine Co., Waterloo, Ia.
West Coast Gas Engine Co., San Diego, Cal.

6184— Hoists (Derrick)

Bell W. Lewis ("B. B."), 314 1st st, San Francisco, Cal.
See adv index at end of book
Byers Machine Co. The, 242 Sycamore, Ravenna, O. ***See adv index at end of book***
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Flory S. Mfg. Co., Bangor, Pa.
See adv index at end of book
Harnischfeger Corp., Milwaukee, Wis.
See adv index at end of book
HOIST & CRANE ENGINEERING CO. (THE), Engineering bldg, Liberty, New York
See adv index at end of book
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
MUNDY J. S. HOISTING ENGINE CO. ("Mundy"), 735 Frelinghuysen av, Newark, N. J. *See adv index at end of book*
NATIONAL HOISTING ENGINE CO., 325 Manor av, Harrison, N. J.
See adv index at end of book
O. K. Clutch & Machy. Co. ("O. K."), Hendricks st, Columbia, Pa.
Pacific Hoist & Derrick Co., 818 1st av S, Seattle, Wash.
Schramm Inc., West Chester, Pa.
SHEPARD ELECTRIC CRANE & HOIST CO., 406 Schuyler av, Montour Falls, N. Y. *See adv index at end of book*
Standard Scale & Supply Co., 1631 Liberty av, Pitsburgh, Pa.
Street Bros. Mach. Wks., Chattanooga, Tenn

6185—Hoists (Dock & Deck)

American Engineering Co. (Steam, Electric & Gasoline), Aramingo & Cumberland, Philadelphia, Pa.
Automatic Machine Co., 113 E. Washington, Bridgeport, Conn.
Box William A. Iron Works Co. (Dock), 3309 Blake, Denver, Colo.
Brown Hoisting Machinery Co. (The), 4403 St. Clair, N E, Cleveland O.
See adv index at end of book
Byers Machine Co. The, 242 Sycamore, Ravenna, O. *See adv index at end of book*
Clyde Iron Works Sales Co. (Steam), Duluth, Minn. *See adv index at end of book*
Dake Engine Co. (Pneumatic or Steam), Grand Haven, Mich.
Detroit Shipbuilding Co. (Deck), Ft. Orleans, Detroit, Mich.
Flory S. Mfg. Co., Bangor, Pa.
See adv index at end of book
Helser Machine Works, 493 N. 22nd, Portland, Ore.
Jackson & Church Co., Saginaw, Mich.
Lake Shore Engine Works (Electric), Marquette, Mich.
Lakeside Bridge & Steel Co., 402 Villard av, N. Milwaukee, Wis.
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
Markey Machinery Co., 35 Horton, Seattle, Wash.
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.
Michigan Dredge Co. ("Michigan"), Bay City, Mich.
Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book
NATIONAL HOISTING ENGINE CO., 325 Manor av, Harrison, N. J.
See adv index at end of book
Northern Engineering Works (Electric), 9 Chene, Detroit, Mich.
O. K. Clutch & Mach. Co. ("O. K."), Hendricks st, Columbia, Pa.
Street Bros. Mach. Wks., Chattanooga, Tenn.
Superior Iron Works Co., Superior, Wis.
Waterloo Gasoline Engine Co., 625 Miles, Waterloo, Ia.

6186— Hoists (Drum)

See also Engines, Hoisting

Am. Hoist & Derrick Co. ("American"), 63 S Robert, St. Paul, Minn.
Brown Hoisting Machinery Co. (The), 4403 St. Clair, N E, Cleveland, O.
See adv index at end of book

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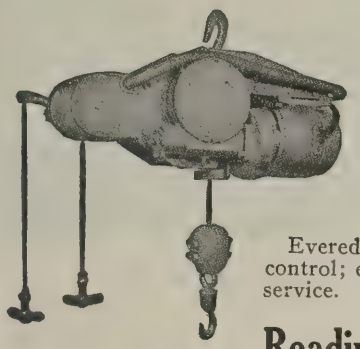
for every hoisting and hoisting conveying purpose. Hoists for contracting work, derricks, grab bucket work, dredging, quarrying, mining, coal handling, dock and deck work, mooring and towing engines. Cableways for hoisting and conveying single loads over long spans, handling skips, concrete tubs and excavating buckets. Log skidding, ground and overhead systems.

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The Everedy Electric Hoist, here illustrated, is one of many of this Company's products. A high grade, lightweight machine for lifting quickly and safely loads of 500 to 12,000 lbs. Is absolutely safe in operation; requires practically no attention and delivers the most satisfactory service at an extremely low cost for maintenance.

Among its distinctive features are the following: It is always ready for service. It is perfectly balanced. Ropes cannot overlap or cross-wind. Adjustments to all wearing parts are in plain sight. No internal small bearings, pins or keys to cause trouble. Instantaneous limit stop at top and bottom, adjustable to any point. Any ordinary mechanic with the aid of a wrench, screw drivers and pliers can completely dismantle and re-assemble without any previous knowledge.

Everedy is made for hook suspension, cord control (illustrated); plain or gear trolley, cord control; electric push button control, plain or geared trolley. Our engineering force is at your service.

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Reading Chain & Block Corporation, Reading, Pa., U. S. A.

Byers Machine Co. The, 242 Sycamore, Ravenna, O. *See adv index at end of book*

Clover Leaf Machine Co. (Single Double Friction), South Bend, Ind.

Clyde Iron Works Sales Co., (Friction Drum, Electric), Duluth, Minn. *See adv index at end of book*

Davis Norris K., 400 7th, San Francisco, Cal.

Farrell John & Son, Newton, N. J.

Flory S. Mfg. Co., Bangor, Pa. *See adv index at end of book*

Foote Co. ("Foote" Single Friction), Nunda, N. Y.

HOIST & CRANE ENGINEERING CO. (THE), Engineering bldg, Liberty, New York City *See adv index at end of book*

Lake Shore Engine Works, Marquette, Mich.

Lakeside Bridge & Steel Co., 402 Villard av, N. Milwaukee, Wis.

Lidgerwood Mfg. Co., 96 Liberty, New York *See adv index at end of book*

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*

Minneapolis Steel & Machinery Co. ("Twin City" Electric, Gasoline & Steam), 2854 Minnehaha av, Minneapolis, Minn.

Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J. *See adv index at end of book*

National Hoisting Engine Co., 325 Manor av, Harrison, N. J. *See adv index at end of book*

Pacific Hoist & Derrick Co., 818 1st av S, Seattle, Wash.

Standard Scale & Supply Co., 1631 Liberty av, Pittsburgh, Pa.

Street Bros. Mach. Wks., Chattanooga, Tenn.

Stroudsburg Engine Works, Stroudsburg, Pa.

Superior Iron Works Co., Superior, Wis.

Treadwell Engineering Co., Easton, Pa. *See adv index at end of book*

6187— Hoists (Electric)

See also Pneumatic Hoists; also Cranes, Hand Power; also Cranes, Electric

Abell-Howe Co., 53 W. Jackson, Chicago, Ill.

Allis-Chalmers Mfg. Co., Milwaukee, Wis. *See adv index at end of book*

Am. Hoist & Derrick Co. ("American" Single & Double Friction Drum, etc.), 63 S Robert, St. Paul, Minn.

Baker Iron Wks., Los Angeles, Cal.

Barber-Foster Engineering Co., Swetland Bldg., Cleveland, Ohio.

Bell W. Lewis ("B. B."), 314 1st, San Francisco, Cal. *See adv index at end of book*

Box Alfred Co. (Monorail, etc.), Centario & Trenton, Phila., Pa.

BROWN HOISTING MACHINERY CO. (THE), 4403 St. Clair, N E, Cleveland, O. *See adv index at end of book*

BROWN & SITES CO., 30 Church, New York

Burnett Mfg. Co., 719 E 1st, Los Angeles, Cal.

Cleveland Crane & Engineering Co. (Manual), Dept. H, Wickliffe, O.

Cline A. J. ("Reliable"), 343 S Dearborn, Chicago, Ill.

Clover Leaf Machine Co., South Bend, Ind.

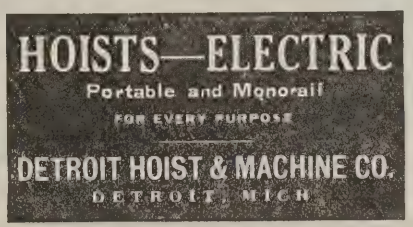
CLYDE IRON WORKS SALES CO. (Friction Drum), Duluth, Minn. *See adv index at end of book*

DAKE ENGINE CO., Grand Haven, Mich. *See adv index at end of book*

Davis Norris K., 400 7th, San Francisco, Cal.

Denver Engineering Works Co., Denver, Colo.

DETROIT HOIST & MACHINE CO. (Portable), Detroit, Mich. *See adv index at end of book*



Drake Mfg. Co., Inc., Friendship, N. Y.

Eagle Iron Works, Des Moines, Ia.

Economy Engineering Co., 5716 Euclid av, Cleveland, O.

Euclid Crane & Hoist Co. (Traveling Monorail), Euclid, O. *See adv index at end of book*

ELECTRIC HOISTS

THE EUCLID CRANE & HOIST CO.
EUCLID, OHIO

Exeter Machine Works, Pittston, Pa.

Fair Haven Foundry & Machine Co., Fair Haven, Vt.

Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.

Finch Mfg. Co., Scranton, Pa.

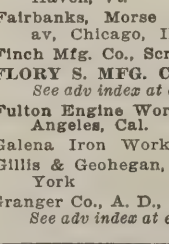
FLORY S. MFG. CO., Bangor, Pa. *See adv index at end of book*

Fulton Engine Works, 1000 Alhambra, Los Angeles, Cal.

Galena Iron Works Corp., Galena, Ill.

Gillis & Geohegan, 537 W Broadway, New York

Granger Co., A. D., 17 Park Row, New York *See adv index at end of book*



Roeper Cranes and Hoists

Electric and Hand Power

A. D. GRANGER CO.
17 Park Row New York
Tel.: Rector 1492

Grote F. Mfg. Co., 120 3rd av, Evansville, Ind.

Haiss Geo. Mfg. Co., 369 Rider av, New York

Hardie-Tynes Mfg. Co., Birmingham, Ala.

HARNISCHFEGER CORP., Milwaukee, Wis.

Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.

Hesse-Ersted Iron Works, E 8th & Taylor Portland, Ore.

HOIST & CRANE ENGINEERING CO. (THE), Engineering bldg, Liberty, New York *See adv index at end of book*

Johnston & Jennings Co., Addison rd & N. Y. C. R. R., Cleveland, O.

Kansas City Elevator Mfg. Co., Kansas City, Mo.

Kennedy Van Saun Mfg. & Eng. Corp., 50 Church, New York *See adv index at end of book*

Lake Shore Engine Works (Portable Derrick & Mining), Marquette, Mich.

Lakeside Bridge & Steel Co., 402 Villard av, N. Milwaukee, Wis.

Lambert Hoisting Engine Co., 117 Poinier, Newark, N. J.

Lidgerwood Mfg. Co., 96 Liberty, New York *See adv index at end of book*

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*

Maine Electric Co., 35 Concord, Portland, Me.

Maris Bros., 56th & Gray's av, Phila., Pa.

Mead-Morrison Mfg. Co., Cor. Prescott & Orleans, East Boston, Mass.

Milwaukee Electric Crane & Mfg. Co., 60th & Greenfield, Milwaukee, Wis.

Minneapolis Steel & Machinery Co. ("Twin City" Single, Double & Triple Friction Drum), 2854 Minnehaha av, Minneapolis, Minn.

Moore-Franklin Co., Winsted, Conn.

MUNDY J. S. HOISTING ENGINE CO. ("Mundy"), 735 Frelinghuysen av, Newark, N. J. *See adv index at end of book*

Murray Bros. Machine Works, 231-233 Folsom, San Francisco, Cal.

NATIONAL HOISTING ENGINE CO., 325 Manor av, Harrison, N. J. *See adv index at end of book*

National Iron Co., Duluth, Minn.

NEW JERSEY FOUNDRY & MACHINE CO. ("Delta"), 90 West, New York

Northern Engineering Works (Chain), 9 Chene, Detroit, Mich.

Orr & Sembower, Reading, Pa.

Otis Elevator Co., 26th & 11th av, New York

Ottumwa Iron Works, Ottumwa, Iowa

Pacific Hoist & Derrick Co., 818 1st av S, Seattle, Wash.

Patten Mfg. Co. ("Patten," Variable Speed), 3803 St. E. av, Chattanooga, Tenn.

Payne N. B. & Co., 25 Church, New York

Portland Co., Portland, Me.

READING CHAIN & BLOCK CORP., ("Reading," "Everedy"), Reading, Pa. *See adv index at end of book*

Roeper Crane & Hoist Co. ("Roeper"), Reading, Pa.

Sackett Mine Supply Co., 164 N 3d, Columbus, O.

San Francisco Engineering Co., 322 6th San Francisco, Cal.

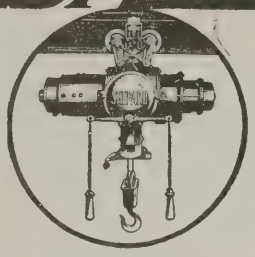
Sauerman Bros., 458 S. Clinton, Chicago, Ill. *See adv index at end of book*

Schramm Inc., West Chester, Pa.

(Continued on following page)

THE SHEPARD ELECTRIC
LIFT ABOUT


ASHES




FLOUR


BALES


ICE


BAGS


CRATES


CASES

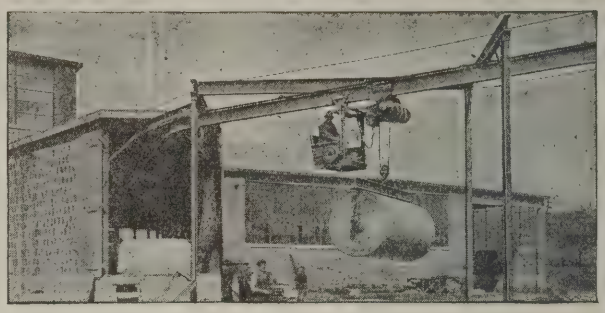

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IN practically every line of business and every branch of industry this powerful little ½ and 1 ton electric hoist has effected remarkable economies in moving and lifting material of every description

In the *LiftAbout* are incorporated the same features of design and construction which have resulted in the extensive use and popularity of Shepard Electric Cranes and Hoists. For its superior design and construction, a *LiftAbout* is surprisingly low in price, and this is due only to standardized manufacture and quantity production.

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To all points without change, or without rehandling load. A combination of Shepard cage Operated Electric Hoist, Shepard Transfer Crane, overhead track and switches. Write for book completely describing this remarkable system.

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For lifting and moving the heavier loads, "Shepard" builds floor and cage operated hoists in capacities to 10 tons.

SHEPARD ELECTRIC CRANE & HOIST CO.
406 Schuyler Ave., Montour Falls, N. Y. U. S. A.

Branches in Principal Cities Member Electric Hoist Manufacturers Association

SHEPARD
ELECTRIC CRANES & HOISTS

Hoists (Electric)—Continued

SHEPARD ELECTRIC CRANE & HOIST CO., 406 Schuyler av, Montour Falls, N. Y. *See adv index at end of book*
Shriver T. & Co., Harrison, N. J.
South Side Foundry & Machine Works, Charleston, W. Va.
Standard Scale & Supply Co., 1631 Liberty av, Pittsburgh, Pa.
Street Bros. Machine Works, Chattanooga, Tenn.
Stroudsburg Engine Works (Friction, Drum. etc), Stroudsburg, Pa.
Thomas Elevator Co., 20 S Hoyne, Chicago, Ill.
Toledo Crane Co., Bucyrus, Ohio
Treadwell Engineering Co., Easton, Pa. *See adv index at end of book*
Union Iron Works, Spokane, Wash.
Vulcan Iron Works ("Vulcan"), Wilkes Barre, Pa.
Vulcan Iron Works Co., Denver, Colo.
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, O.
Wright David A., Inc., 601 W Monroe, Chicago, Ill.
Yale & Towne Mfg. Co. ("Yale") (Chain Wire), Stamford, Conn.
Young R. W. Mfg. Co. (¼ to 5 tons), 111 W Monroe, Chicago, Ill.

6188—Hoists (Electric Chain)

Hoist & Crane Engineering Co., Engineering bldg, Liberty, New York *See adv index at end of book*
Payne N. B. & Co., 25 Church, New York
Yale & Towne Co. ("Yale"), Dept. H, Stamford, Conn.

Hoists (Electric Mine)

See Hoists, Mine

6189—Hoists (Electric Monorail)

American Engineering Co. ("Lo-Hed"), Aramingo & Cumberland, Phila., Pa.
ARMINGTON ENGNG. CO., Euclid, O. *See adv index at end of book*
Detroit Hoist & Machine Co., Detroit, Mich. *See adv index at end of book*
Harrison-Skolil Foundry Mach. Works, 528 N. 28th, Portland, Ore.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
NEW JERSEY FOUNDRY & MACHINE CO., 90 West st, New York
Northern Engineering Works, 9 Chene, Detroit, Mich.
O. K. Clutch & Machinery Co. ("O. K."), Columbia, Pa.
SHEPARD ELECTRIC CRANE & HOIST CO., Montour Falls, N. Y. *See adv index at end of book*

6190—Hoists (Electric, Reversible Friction)

Clyde Iron Works Sales Co., Duluth, Minn. *See adv index at end of book*
Davis Norris K., 400 7th, San Francisco, Cal.
Flory S. Mfg. Co., Bangor, Pa. *See adv index at end of book*
Lidgerwood Mfg. Co., 96 Liberty, New York *See adv index at end of book*
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.
O. K. Clutch & Machy. Co. ("O. K."), Hendricks st, Columbia, Pa.
Schramm Inc., West Chester, Pa.

6191—Hoists (Electric Traveling)

See also Cranes, Electric Traveling

Brown Hoisting Machinery Co., 4403 St. Clair, N E, Cleveland, O. *See adv index at end of book*
EUCLID CRANE & HOIST CO. (Monorail), Euclid, O. *See adv index at end of book*
Exeter Machine Works, Pittston, Pa.
Harnischfeger Corp., Milwaukee, Wis. *See adv index at end of book*
Hoist & Crane Engineering Co. (The), Engineering bldg, Liberty, New York City *See adv index at end of book*
Hoisting Machinery Co., 50 Church, New York
Lakeside Bridge & Steel Co., 402 Villard av, N. Milwaukee, Wis.
Lidgerwood Mfg. Co., 96 Liberty, New York *See adv index at end of book*
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Milwaukee Electric Crane & Mfg. Co., 60th & Greenfield, Milwaukee, Wis.
Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J. *See adv index at end of book*
New Jersey Foundry & Machine Co., 90 West st, New York
Northern Engineering Works, 9 Chene, Detroit, Mich.
Payne N. B. & Co., 25 Church, New York
READING CHAIN & BLOCK CORP., Reading, Pa. *See adv index at end of book*
Roeper Crane & Hoist Works, Reading, Pa.
SHEPARD ELECTRIC CRANE & HOIST CO. (Also Electric Trolleys), 406 Schuyler av, Montour Falls, N. Y. *See adv index at end of book*
Toledo Crane Co., Bucyrus, Ohio

Hoists (Electric Trolley)

See Hoists, Electric Traveling

6191a— Hoists (Elevator)

Drake Engine Co., Grand Haven, Mich.
Hoist & Crane Engineering Co. (The), Engineering bldg, Liberty, New York *See adv index at end of book*
Harnischfeger Corp., Milwaukee, Wis. *See adv index at end of book*

6192—Hoists (Friction & Flat Friction)

Bremer W. A., 3612H S Alameda, Los Angeles, Cal.
Byers Machine Co. The (Cone), 242 Sycamore, Ravenna, O. *See adv index at end of book*
Cooley Wright Mfg. Co., Waterbury, Vt.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
JONES W. A. FOUNDRY & MACHINE CO., 4442 W. Roosevelt rd, Chicago, Ill. *See adv index at end of book*
Lidgerwood Mfg. Co., 96 Liberty, New York *See adv index at end of book*
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
McFarlane-Eggers Machinery Co., Denver, Colo.
Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J. *See adv index at end of book*
Treadwell Engineering Co. (Cone or Band), Easton, Pa. *See adv index at end of book*

6193— Hoists (Furnace)

Bell W. Lewis ("B. B."), 314 1st, San Francisco, Cal. *See adv index at end of book*

TRADE MARK
MUNDY
ESTABLISHED 1869

J. S. MUNDY HOISTING ENGINE CO.

Manufacturers of High Grade Hoisting Equipment

NEW YORK SALES OFFICE, 30 CHURCH ST. NEWARK, NEW JERSEY, U. S. A.

ELECTRIC HOISTS

GASOLINE HOISTS

STEAM HOISTS

OF ALL TYPES

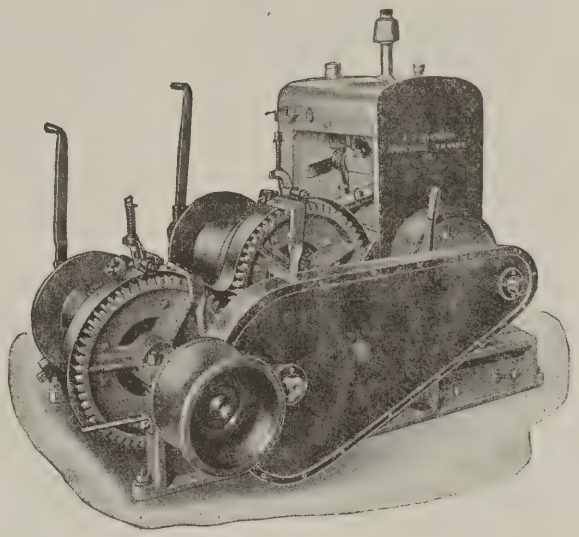
NEW FEATURES ON MUNDY HOISTS

"ASBESTALL" Non-Burn Friction Blocks

"ASBESTOLIN" Non-Burn Brake Lining

BRAKES ON OPPOSITE END OF DRUM

Special Hoists for Special Purposes



GASOLINE HOIST WITH FOUR CYLINDER TRACTOR TYPE ENGINE

CAR MOVERS BULLETIN SENT ON REQUEST CABLEWAYS

Brown Hoisting Machinery Co., 4403 St. Clair, N E, Cleveland, O.
See adv index at end of book
Lidgerwood Mfg. Co. (Blast), 96 Liberty, New York
See adv index at end of book

6194—Hoists (Furnace Door)

(For Tempering & Annealing Furnaces)
Cameron Engineering Co., E. Stroudsburg, Pa.
Curtis & Co. Mfg. Co. (Air), 1571 Kienlen av, St. Louis, Mo.
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
Link-Belt Company ("Lewis"), 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

6195— Hoists (Gasoline)

See also Engines, Hoisting, Gas & Gasoline
Alamo Mfg. Co., Hillsdale, Mich.
American Cement Machine Co., Keokuk, Ia.
Atlas Engng. Co., 3009 Lisbon av, Milwaukee, Wis.
Bates & Edmonds Motor Co., Lansing, Mich.
Bell, W. Lewis ("B-B"), 314 1st st, San Francisco, Cal.
See adv index at end of book
Brewer W. A., 3612 S Alameda, Los Angeles, Cal.
Brown 'Clutch Co. ("Little Giant"), Sandusky, O.
Byers Machine Co. The, 242 Sycamore, Ravenna, O. *See adv index at end of book*
CLYDE IRON WORKS SALES CO., Duluth, Minn.
See adv index at end of book
Construction Machinery Co., 113 Vinton, Waterloo, Ia.
Corliss Gas Engine Co. (Corliss Mining), 440 Market, San Francisco, Cal.
Davis, Norris K., 400 7th, San Francisco, Cal.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Flory S. Mfg. Co., Bangor, Pa.
See adv index at end of book
Foos Gas Engine Co. (Mine & Contractors, 9 H.P-25 HP.), 800 Monroe, Springfield, O.
Fulton Engine Works, 1000 Alhambra, Los Angeles, Cal.
Garfield Co., 1232 Hearst bldg, San Francisco, Cal.
Harnischfeger Corp., Milwaukee, Wis.
See adv index at end of book
Hesse-Ersted Iron Works, E. 8th & Taylor, Portland, Ore.
Lidgerwood Mfg. Co. (Gas or Gasoline), 96 Liberty, New York
See adv index at end of book
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.
Minneapolis Steel & Machinery Co. ("Twin City" Single, Double & Triple Friction Drum), 2854 Minnehaha av, Minneapolis, Minn.
Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book
Murray Bros. Machine Works, Dept. H, San Francisco, Cal.
Myrick Machine Co. (Portable), Olean, N. Y.
NATIONAL HOISTING ENGINE CO., 325 Manor av, Harrison, N. J.
See adv index at end of book
Novo Engine Co. ("Novo"), Lansing, Mich.
O. K. Clutch & Machy. Co., Columbia, Pa.
Original Gas Engine Co. ("Ideal"), Lansing, Mich.
Pacific Hoist & Derrick Co., 818 1st av S, Seattle, Wash.
Patten Mfg. Co., 3803 St. E. av, Chattanooga, Tenn.
Price G. W. Pump & Engine Co., 1350 Folsom, San Francisco, Cal.
Sauerman Bros., 458 S Clinton, Chicago, Ill.
See adv index at end of book
Standard Machine Co., 252 Townsend, San Francisco, Cal.
Standard Scale & Supply Co., 1631 Liberty av, Pittsburgh, Pa.
Street Bros. Mach. Wks., Chattanooga, Tenn.
Union Gas Engine Co. (Gas), Dept. H, Kennedy & Boehmer, Oakland, Cal.
Universal Hoist & Mfg. Co. ("Ideal"), Cedar Falls, Iowa
Waterloo Gasoline Engine Co., 625 Miles, Waterloo, Ia
Western Machinery Co, 900 N. Main, Los Angeles, Cal.

6196— Hoists (Grab Bucket)

Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Brown Hoisting Machinery Co. (The), 4403 St. Clair N E, Cleveland, O.
See adv index at end of book
Byers Machine Co. The, 242 Sycamore, Ravenna, O. *See adv index at end of book*
Clyde Iron Works Sales Co., Duluth, Minn.
See adv index at end of book
Flory S. Mfg. Co., Bangor, Pa.
See adv index at end of book
Granger Co., A. D., 17 Park Row, New York
See adv index at end of book
Harnischfeger Corp., Milwaukee, Wis.
See adv index at end of book
Hoist & Crane Engineering Co. (The), Engineering bldg, Liberty, New York City *See adv index at end of book*
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book
NATIONAL HOISTING ENGINE CO., 325 Manor av, Harrison, N. J.
See adv index at end of book
Northern Engineering Works, 9 Chene, Detroit, Mich.
Novo Engine Co. (& Engines Combined), Lansing, Mich.
Ohio Locomotive Crane Co., Frederick, Bucyrus, O. *See adv index at end of book*
Pacific Hoist & Derrick Co., 818 1st av S, Seattle, Wash.
Robins Conveying Belt Co., 15 Park Row, New York
See adv index at end of book
SHEPARD ELECTRIC CRANE & HOIST CO., Montour Falls, N. Y.
See adv index at end of book

6197—Hoists (Grip, for Hand Elevators)

Jordan Bros. (Single, Belt Geared), 74 Beekman, New York
Mundy J. S. Hoisting Engine Co., 722 Frelinghuysen, Newark, N. J.
Speidel Elevator Corp., Reading, Pa.
Warsaw Elevator Co., Warsaw, N. Y.
See adv index at end of book

6198— Hoists (Hand)

See also Elevators, Hand; also Hoists, Chain
American Hoist & Derrick Co. (Also Belt), St. Paul, Minn.
Armington Engineering Co., Euclid, O.
See adv index at end of book
Bell, W. Lewis, 314 1st st, San Francisco, Cal.
See adv index at end of book
Byers Machine Co. The, 242 Sycamore, Ravenna, O. *See adv index at end of book*
Clyde Iron Works Sales Co., Duluth, Minn.
See adv index at end of book

(Continued on following page)

Hoists (Hand)—Continued

Coast Engine & Machine Works (Auto Dump), E. Madison & Water, Portland, Ore.
Davis Norris K., 400 7th, San Francisco, Cal.
Dobbie Foundry & Machine Co. ("Dobbie"), Niagara Falls, N. Y.
See adv index at end of book
Dow David & Son, 1258 1st av So, Seattle, Wash.
EUCLID CRANE & HOIST CO., Euclid, O.
See adv index at end of book
Exeter Machine Works, Pittston, Pa.
Frick Co., Waynesboro, Pa.
Gillis & Geohegan, 537 W B'way, New York
Granger Co., A. D., 17 Park Row, New York
See adv index at end of book
Great Lakes Engineering Works (For Ice Cans), Real Estate Exchange bldg, Detroit, Mich.
Hobbs Clinton & Co. ("Red Line"), 37 Pearl, Boston, Mass.
Hoist & Crane Engineering Co. (The), Engineering bldg, Liberty, New York City
See adv index at end of book
Hunt Rodney Mach. Co., Orange, Mass.
Kansas City Elevator Mfg. Co., Kansas City, Mo.
Lambert Hoisting Engine Co., 117 Poinier, Newark, N. J.
Larrabee Jno. E. Co. (Portable), Amsterdam, N. Y.
Machinery Exchange ("B. B. Bros."), 3223 1st av, So. Seattle, Wash.
Mason Volney W. & Co., 2 Lafayette, Providence, R. I.
Milton S. G. & Son ("Champion" Portable Crane & Hoist), Franklin, Pa.
Mine & Smelter Supply Co. (For Mines, etc), 42 B'way, New York
Motor Specialties Co. ("Simplex Hoister" Ratchet Wire Rope), Waltham, Mass.
NEW JERSEY FOUNDRY & MACHINE CO. ("Delta"), 90 West, New York
Pacific Hoist & Derrick Co., 818 1st av S, Seattle, Wash.
Payne N. B. & Co., 25 Church, New York
ROUND D. & SON, Penn. R. R. & Henry, Cleveland, O.
See adv index at end of book

"Round" Hoists

Superior SPUR-GEARED

Improved SCREW-GEARED

Weston Differential

also

TROLLEYS, CRANES AND WINCHES

D. ROUND & SON

Henry & Broadway, Cleveland, O.

Write for Catalog

Shriver T. & Co., Harrison, N. J.
Speidel Elevator Corp., Reading, Pa.
United Iron Wks., Kansas City, Mo.
Warsaw Elevator Co., Warren, N. Y.
See adv index at end of book

6199— Hoists (Head Gate)

Champion Engrg. Co. ("Champion"), Kenton, Ohio
Coldwell-Wilcox Co., Newburgh, N. Y.
DAYTON BEATER & HOIST CO., 24 N Canal, Dayton, O.
Dayton Globe Iron Works Co., Dayton, O.
Dilts Machine Works (Inc.) (For Water Power Developments), Fulton, N. Y.
HOIST & CRANE ENGINEERING CO. (THE), Engineering bldg, Liberty, New York
See adv index at end of book
Hunt Rodney Mach. Co., Orange, Mass.
SMITH S. MORGAN CO., P. O. Box 667, York, Pa.
Vulcan Iron Works Co., 1400 W. Colfax, Denver, Colo.

Hoists (Hod)

See Elevators, Hod

6200-1— Hoists (Hydraulic)

Burnett Mfg. Co., 719 E 1st, Los Angeles, Cal.
Chambersburg Engng. Co., Chambersburg, Pa.
Coast Engine & Machine Works, E. Madison & Water, Portland, Ore.
Heil Co. ("Quality" for Dump Bodies), 1270-1300 26th av, Milwaukee, Wis.
Horizontal Hydraulic Hoist Co., 608 Gratiot, Detroit, Mich.
Hydro-Hoist Co., 26th & Montana avs, Milwaukee, Wis.
Kansas City Elevator Mfg. Co., Kansas City, Mo.
SOUTHWARK FOUNDRY & MACHINE CO., 1128 S 4th, Phila., Pa.
See adv index at end of book

Hoists (Locomotive)

See Cranes (Traveling); also see Cranes (Electric Traveling)

6202— Hoists (Log)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Myrick Machine Co. (Portable), Olean, N. Y.
Novo Engine Co. (& Engines Combined), Lansing, Mich.

6203— Hoists (Mine)

Alamo Mfg. Co. (Gasoline, Alcohol, etc), Hillsdale, Mich.
Allis Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Angeles Iron Works (Electric), Angeles Camp, Cal.
Bethlehem Shipbuilding Corp., Ltd., 20th & Michigan, San Francisco, Cal.
Box William A. Iron Works Co. (Steam & Electric), 3309 Blake, Denver, Colo.
Brewer W. A., 3612 S Alameda, Los Angeles, Cal.
Byers Machine Co. The, 242 Sycamore, Ravenna, O. *See adv index at end of book*
Clyde Iron Works Sales Co., Duluth, Minn.
See adv index at end of book
Connellsville Mfg. & Mine Supply Co. (Steam & Electric), Connellsville, Pa.
Cooke Wilson Electric Supply Co. ("Hoists," Dirs.), Imperial Power bldg, Pittsburgh, Pa.
DAKE ENGINE CO., Grand Haven, Mich.
See adv index at end of book
Denver Engng. Works Co. (Electric), Denver, Colo.
Diamond Machine Co. (Electric), Monongahela, Pa.
Eagle Iron Works (Steam & Electric), Des Moines, Ia.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
FLORY S. MFG. CO., Bangor, Pa.
See adv index at end of book
Fulton Engine Works, 1000 Alhambra, Los Angeles, Cal.
Galena Iron Works Corp. (Electric, Steam & Belt Driven), Galena, Ill.
Garrity Ralph E. Co., 607H Wabash bldg, Pittsburgh, Pa.
Goodman Mfg. Co. (Electric), Halsted & 48th pl, Chicago, Ill.
Hallidie Co., Spokane, Wash.
Hardie-Tynes Mfg. Co., Birmingham, Ala.
Hassell Iron Works Co. (Also Horse Power), Colorado Springs, Col.
Hendrie & Bolthoff Mfg. & Supply Co. (Steam & Electric Power), Denver, Colo.
Hendy Joshua Iron Works (Electric & Steam), 75 Fremont, San Francisco, Cal.
Holmes Robt. & Bros. ("Gravity Plane"), Danville, Ill.
Keystone Iron & Steel Wks., 37th & Santa Fe av, Los Angeles, Cal.
Lake Shore Engine Works (Electric), Marquette, Mich.
Lambert Hoisting Engine Co., 117 Poinier, Newark, N. J.
Lidgerwood Mfg. Co. (Steam & Electric), 96 Liberty, New York
See adv index at end of book
McFarlane-Eggers Machine Co. (Electric & Steam), Denver, Colo.
Mead-Morrison Mfg. Co. (Steam & Electric), cor Prescott & Orleans, East Boston, Mass.
Mine & Smelter Supply Co. (Electric), 42 B'way, New York
Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book
Myrick Machine Co. (Gasoline), Olean, N. Y.
National Hoisting Engine Co., 325 Manor av, Harrison, N. J.
See adv index at end of book
National Iron Co., Duluth, Minn.
Ottumwa Iron Works (Steam & Electric), Ottumwa, Ia.
Puget Sound Iron & Steel Works, Tacoma, Wash.
Salt Lake Iron & Steel Co., Salt Lake City, Utah
Seattle Machine Works, 51 W Lander, Seattle, Wash.
South Side Foundry & Machine Works, Charleston, W. Va.
Standard Scale & Supply Co., 1631 Liberty av, Pittsburgh, Pa.
Stroudsburg Engine Works, Stroudsburg, Pa.
Treadwell Engineering Co., Easton, Pa.
See adv index at end of book

TREADWELL ENGINEERING CO

EASTON PA

HOISTS

STEAM — ELECTRIC

A Type for Every Duty

United Iron Works Co. (Electric), Kansas City, Mo.
VULCAN IRON WORKS CO. ("Vulcan Denver"), 1400 W. Colfax, Denver, Colo.
Vulcan Mfg. Co., 1200 4th, Seattle, Wash.
Waterloo Gasoline Engine Co., 625 Miles, Waterloo, Ia.
Wellman-Seaver-Morgan Co. ("Winze," Steam & Electric), E 70th & Central av, Cleveland, O.
West Coat Gas Engine Co., San Diego, Cal.
Western Machinery Co., (Deisel Engine Hoist), 900 N Main, Los Angeles, Cal.
Willamette Iron & Steel Works, foot of Front, Portland, Ore.

6204— Hoists (Oil)

Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
Waterloo Gasoline Engine Co., 625 Miles, Waterloo, Ia.

6205— Hoists (Paper)

NEW JERSEY FOUNDRY & MACHINE CO., 90 West st, New York
Omaha Folding Machine Co., Omaha, Neb.
Rouse H. B. & Co., 2214 Ward, Chicago, Ill.

Hoists (Pneumatic)

See Pneumatic Hoists

6206— Hoists (Portable)

See also Cranes, Portable; also Hoists, Chain

Byers Machine Co. The, 242 Sycamore, Ravenna, O. *See adv index at end of book*
Canton Fdry. & Mach. Co., Canton, Ohio
See adv index at end of book
Ersted Machy. Mfg. Co. ("Ersted Hyster"), E 29th & Clackamas, Portland, Ore.
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book

PORTABLE HOISTS

There are many places for the "Little Tugger" Hoist in all sorts of work. It can be clamped or bolted to any handy support and operated in any position. Either compressed air or steam furnishes power.

They are built in several sizes (to develop from 3½ to 12 H.P. from 60 to 80 pounds gauge pressure) and in single and double drum patterns.

For hoists of larger capacity the Ingersoll-Rand Air Motor Hoist is recommended. They are offered in five sizes, from 500 to 10,000 lbs. capacity, with a standard lift of 15 feet.

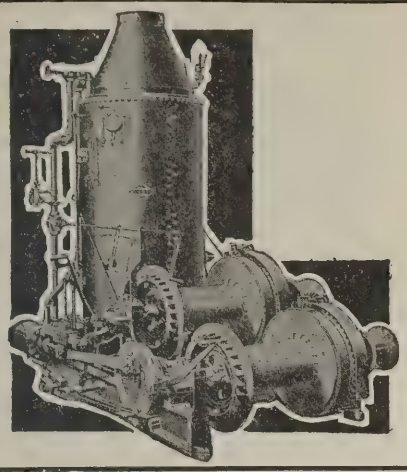
Ingersoll-Rand

11 Broadway, New York City

Ireland Machine & Foundry Co., Inc. ("Ireland" Geared), Norwich, N. Y.
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
Manley Mfg. Co., York, Pa.
Myrick Machine Co. (Gasoline), Olean, N. Y.
NEW JERSEY FOUNDRY & MACHINE CO., 90 West st, New York
Novo Engine Co. (& Engines Combined), Lansing, Mich.
Ridgway Craig & Son Co., Coatesville, Pa.
Sauerman Bros. (Sauerman Hoists of special design for Cableway Excavator and Power Scraper operation), 458 S. Clinton st, Chicago, Ill.
See adv index at end of book
Schramm Inc., West Chester, Pa.
Sullivan Machinery Co. ("Turbinair," Electric & Steam), 122 S Michigan av, Chicago, Ill.
Treadwell Engineering Co., Easton, Pa.
See adv index at end of book
Weaver Mfg. Co. ("Weaver"), Springfield, Ill.

6207— Hoists (Quarry)

Byers Machine Co. The, 242 Sycamore, Ravenna, O. *See adv index at end of book*
Clyde Iron Works Sales Co., Duluth, Minn.
See adv index at end of book



The Clyde Line of Hoists--Steam—Gasoline—Electric

SATISFIED users all over the world constitute the best recommendations for Clyde quality hoists. Embodying the latest and best principles of construction and carefully selected materials, they are making excellent economy and performance records.

WRITE FOR COMPLETE INFORMATION

You'll Take Pride in Your Clyde

Clyde Iron Works Sales Company

Sole Distributor For CLYDE IRON WORKS, Duluth, Minn.

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CHICAGO, 11 So. LaSalle St.
CINCINNATI, 1913 Union Central Bldg.
JACKSONVILLE, FLA., 45 W. Forsyth St.
MEMPHIS, TENN., 119 Monroe Ave.
NEW ORLEANS, LA., 309 Magazine St.
NEW YORK, 141-149 Centre Street
PORTLAND, 555 Thurman St.
SEATTLE, 542 First Ave., South
SAN FRANCISCO, 737 Monadnock Bldg.

Davis Norris K., 400 7th, San Francisco, Cal.
Dobbie Foundry & Machine Co. ("Dobbie"), Niagara Falls, N. Y.
See adv index at end of book
Flory S. Mfg. Co., Bangor, Pa.
See adv index at end of book
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book
Pacific Hoist & Derrick Co., 818 1st av S, Seattle, Wash.
Schramm Inc., West Chester, Pa.
Treadwell Engineering Co., Easton, Pa.
See adv index at end of book

6208—Hoists (Rope & Block)

Hobbs Clinton & Co. ("Red Line"), 37 Pearl, Boston, Mass.
Hunt, Helm, Ferris & Co. ("Star"), Harvard, Ill.
Ney Mfg. Co., Canton, O.
Yale & Towne Mfg. Co. (Wire Rope), Dept. H, Stamford, Conn.

6209—Hoists (Sand, Pneumatic)

Independent Pneumatic Tool Co., 600H W Jackson blvd, Chicago, Ill.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Robertson Wm. & Co. ("Robertson," for Railroad Use, etc), 20 W Jackson blvd, Chicago, Ill.

6210—Hoists (Scaffold, Etc.)

Motor Specialties Co. ("Simplex," Small, of Painters, Building Cleaners, Bridge Builders, etc), Waltham, Mass.

6210a— Hoists (Scraper)

FLORY S. MFG. CO., Bangor, Pa.
See adv index at end of book

Hoists (Sidewalk)

See Elevators, Sidewalk

6211— Hoists (Skip)

BARTLETT & SNOW CO., C. O. (For Coal, Ashes or Other Materials), 6350 Harvard av, Cleveland, O.
See adv index at end of book
Beaumont R. H. Co. ("Beaumont"), 393 Arch, Phila., Pa.
Davis Norris K., 400 7th, San Francisco, Cal.
Guarantee Construction Co., 92 West, New York
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book
National Engineering Co., 549 W Washington blvd, Chicago, Ill.
Robins Conveying Belt Co., 15 Park Row, New York *See adv index at end of book*
Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.
Treadwell Engineering Co., Easton, Pa.
See adv index at end of book

6211a— Hoists (Spud)

Dake Engine Co., Grand Haven, Mich.
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book

6212— Hoists (Steam)

See also Engines, Hoisting

Allis Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Hoist & Derrick Co., St. Paul, Minn.
Box William A. Iron Works Co., 3309 Blake, Denver, Colo.
Byers Machine Co. The, 242 Sycamore, Ravenna, O. *See adv index at end of book*
CLYDE IRON WORKS SALES CO., Duluth, Minn. *See adv index at end of book*
Eagle Iron Works, Des Moines, Ia.
Exeter Machine Works, Pittston, Pa.
Flory S. Mfg. Co., Bangor, Pa.
See adv index at end of book
Foote Co., Nunda, N. Y.
Galena Iron Works Corp., Galena, Ill.
Gas Machinery Co. (For Gas Works), 1900 Euclid av, Cleveland, O.
Hardie-Tynes Mfg. Co., Birmingham, Ala.
Hendrie & Bolthoff Mfg. & Supply Co., Denver, Colo.
Ingersoll-Rand Co. ("Little Tugger" & Compressed Air), 11 B'way, New York
See adv index at end of book
Lambert Hoisting Engine Co., 117 Poinier, Newark, N. J.
Lansing Co., Lansing, Mich.
LIDGERWOOD MFG. CO., 96 Liberty, New York
See adv index at end of book
McFarlane-Eggers Mach. Co., Denver, Colo
Main Iron Works, 16th & Daggett, San Francisco, Cal.
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.
Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book
NATIONAL HOISTING ENGINE CO., 325 Manor av, Harrison, N. J.
See adv index at end of book
National Iron Co., Duluth, Minn.
Otis Elevator Co., 26th & 11th av, New York
Ottumwa Iron Works, Ottumwa, Ia.
Pacific Hoist & Derrick Co., 818 1st av S, Seattle, Wash.
Portage Lake Foundry & Machine Co., Hancock, Mich.
Sauerman Bros., 458 S. Clinton, Chicago, Ill.
See adv index at end of book
Schramm, Inc., West Chester, Pa.
South Side Foundry & Machine Works, Charleston, W. Va.
Treadwell Engineering Co., Easton, Pa.
See adv index at end of book
United Iron Works, Inc. ("Freeman" Geared), Kansas City, Mo.
Vulcan Iron Works Co., 1400 W. Colfax, Denver, Col.
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, O.

6213— Hoists (Suction Pipe)

Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
Superior Iron Works Co. (Hydraulic), Superior, Wis.

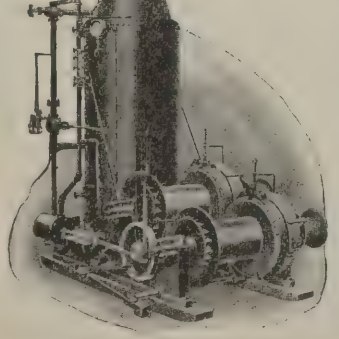
6214— Hoists (Telescopic)

Alvey-Ferguson Co. ("A-F"), 70 North av, Oakley, Cincinnati, O.

(Continued on following page)

NATIONAL HOISTING ENGINES

STEAM—ELECTRIC—GASOLINE—BELT



Hoists for Contractors, Dredges, Barges, Floating Derricks, Lighters, Docks, Dock and Bridge Buildings, Inclines, Shafts, Mines, Quarries, Tailrope Haulage, Swinging Booms, Coal Yards and Elevators, Ice Houses, Draw Bridges, General Derrick Work, etc., etc.

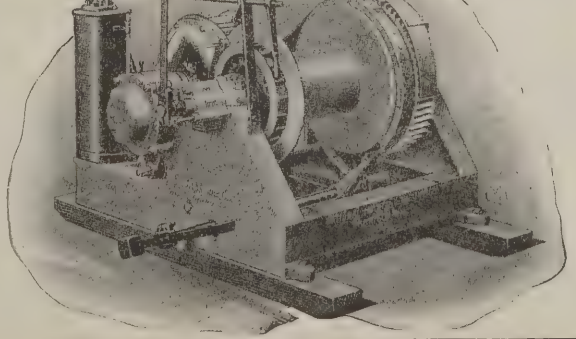
Also manufacturers of Derricks and Derrick Fittings, Cableways, Pile and Sheeting Hammers, and Winches.

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NATIONAL HOISTING ENGINE CO.

Established 1903

325 Manor Avenue
Harrison, New Jersey, U. S. A.



Hoists (Telescopic)—Continued

Chelsea Elevator Co., 414 W. 19th, New York
Ernest C. K., Buffalo, N. Y.
Gillis & Geoghegan ("G. & G."), 537 W B'way, New York
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

Hoists (Telpher)

See Telpherage, Electric Conveying

6214a— Hoists (Tie)

Harnischfeger Corp., Milwaukee, Wis.
See adv index at end of book
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

6215— Hoists (Traveling)

See also Hoists, Electric Traveling
Armington Engng. Co., Euclid, O.
See adv index at end of book
Chicago Pneumatic Tool Co., 6 E 44th, New York *See adv index at end of book*
DETROIT HOIST & MACHINE CO., Detroit, Mich. *See adv index at end of book*
Euclid Crane & Hoist Co., Euclid, O.
See adv index at end of book

TRAVELING HOISTS ELECTRIC
THE EUCLID CRANE & HOIST CO.
EUCLID, OHIO

Granger Co., A. D. (Monorail, Overhead, Portable), 17 Park Row, New York
See adv index at end of book
Harnischfeger Corp., Milwaukee, Wis.
See adv index at end of book
Hoist & Crane Engineering Co. (The), Engineering bldg., Liberty, New York
See adv index at end of book
LIDGERWOOD MFG. CO., 96 Liberty, New York
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
NEW JERSEY FOUNDRY & MACHINE CO. ("Delta"), 90 West, New York
Ohio Locomotive Crane Co., Frederick, Bucyrus, O. *See adv index at end of book*
Pacific Hoist & Derrick Co., 818 1st av S, Seattle, Wash.
Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book
Speidel Elevator Corp. (Hand Power), Reading, Pa.
Toledo Crane Co., Bucyrus, Ohio
Yale & Towne Mfg. Co., Dept. H, Stamford, Conn.

Hoists (Trolley)

See Trolleys & Trolley Tracks, Overhead

Hoists (Wheelbarrow)

See Hoists, Contractors' Material

6216— Hold-Backs (Crucible)

Johnson Bronze Co., New Castle, Pa.

6217—Holders (Automobile Tire)

Aetna Brass Mfg. Co., 1631 E 55th, Cleveland, O.
Allen Auto Specialty Co. (With Locks), 16 W 61st, New York
Allen Fire Dept. Supply Co., 159 Aborn, Providence, R. I.
Am. Tube & Stamping Co. (Pressed Steel), Dept. H, 471 Hancock, Bridgeport, Conn.
Attwood Brass Works, Grand Rapids, Mich.
B. & B. Mfg. Co., 6528 Carnegie av, Cleveland, O.
B. E. Mfg. Co. ("Bemco"), 18 W 18th, New York
Central Brass & Fixture Co., Springfield, Ohio
Chain Products Co. (Chain), 3924 Cooper av, Cleveland, O.
Cowles C. & Co., New Haven, Conn.
Cox Bros. Mfg. Co. ("Monarch"), Van Woert & N Pearl, Albany, N. Y.
Dow Co. ("Dow"), 201H N Buchanon, Louisville, Ky.
Eberhard Mfg. Co., C. & P. Ry & Tennyson rd, Cleveland, O.
Emco Mfg. Co., 1H Starr av, Binghamton, N. Y.
Essex Brass Foundry Co. (With Locks), Cambridge, Mass.
Gemco Mfg. Co. ("Gemco" Rear End & Runningboard Holders), Milwaukee, Wis.
Halladay L. P. Co. (Also Numbers), Streator, Ill.
HAMILTON CASTER & MFG. CO., THE ("Weigel"), 1635 Dixie Highway, Hamilton, Ohio
See adv index at end of book
Hastings Mfg. Co. ("Hastings"), 36 E Mill, Hastings, Mich.
Highton Wm. & Sons Co., Nashua, N. H.
International Stamping Co., 400 N Leavitt, Chicago, Ill.
Keeler Brass Co., Grand Rapids, Mich.
Kreidler Auto Top Co., Trenton, N. J.
Le Compte Mfg. Co. (Hard Rubber), 44 Elm, Newark, N. J.
Metal Stamping Co. ("Perfection," "Lyon"), 13th, Long Island City, N. Y.
Post & Lester Co. ("Security"), 112 Allyn, Hartford, Conn.
Sedgwick Sales Co. ("Erp"), 1405 Sedgwick av, New York
Starr Bros. Bell Co. ("Starr" Bronze, Brass & Malleable Iron), East Hampton, Conn.
Western Brass Mfg. Works ("Hercules"), Marshall Boul. & W 21st, Chicago, Ill.
Western Mechanical Works ("Western" Telescoping), Los Angeles, Cal.
Whitehouse E. A. Mfg. Co. (With Locks), 44 Elm, Newark, N. J.

6218— Holders (Bag)

American Buncher Mfg. Co., Oliver & Harding, Indianapolis, Ind.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Bulman E. O. Mfg. Co. (Paper), Grand Rapids, Mich.
Fitts Frank E. Mfg. & Supply Co. (Adjustable, All Steel), 88 Purchase, Boston, Mass.
Gumps B. F. Co., 431 S Clinton, Chicago, Ill.
Reed Evan L. Mfg. Co., Tipton, Danville, Ill.
Sackett A. J., Cor 4th av & 1st, Baltimore, Md.
South Bend Spark Arrester Co., South Bend, Ind.
Sprout Waldron & Co., Muncy, Pa.
See adv index at end of book
Thorpe F. M. Mfg. Co., Lamar, Mo.
Wagner Mfg. Co. ("Daisy," for Farm Use), Cedar Falls, Ia.
Webster Mfg. Co. ("Mosher"), 4500-60 Cortland, Chicago, Ill.
See adv index at end of book
Wilson-Hurd Co., Wausau, Wis.
Wolf Co., Chambersburg, Pa.

6219— Holders (Battery)

Am. Ever Ready Wks., Thompson av, Long Island City, N. Y.
Eureka Supply Co., Sewell, N. J.
Mersman Bros., Ottawa, O.
Michigan Motor Spec. Co., 26 Dubois, Detroit, Mich.
National Carbon Co., Thompson av & Orton, **Long Island City, N. Y.**
Ostrander W. R. & Co., 371 B'way, New York
Paragon Electric Co., 37 W Van Buren, Chicago, Ill.
Stanley & Patterson ("Watertight" Sealed-In Wireless), 23 Murray, New York
Stephenson Supply Co., Auburn, N. Y.
Sumter Telephone Co., Sumter, S. C.

6220—*Holders (Bit Brace)

Greenfield Tap & Die Corp. ("G. T. D." for Taps & Dies), Greenfield, Mass.
Stanley Rule & Level Plant, New Britain, Conn.

6221— Holders (Blanket)

Imperial Bit & Snap Co., Racine, Wis.
Thomson Judson L. Mfg. Co., Waltham, Mass.

6222— Holders (Blotter)

Weber-Knapp Co., Jamestown, N. Y.

6223— Holders (Bottle)

Aldrich Mfg. Co., 57 Illinois, Buffalo, N. Y.
Browne W. G. Mfg. Co. (Sanitary), Kingston, N. Y.
New York Stamping Co. ("Empress"), N 11th & Berry, Brooklyn, N. Y.
Ray Geo. A. Mfg. Co. (Ginger Ale, Club Soda, Nickel Plated), 1495 Niagara, Buffalo, N. Y.
United Steel & Wire Co., Battle Creek, Mich.

6224— Holders (Broom)

See also Holders, Whisk Brooms
Bradley & Farnham ("Knapp" Gravity), Middlefield, Conn.
Cassady Fairbanks Mfg. Co. ("Sensible," "Thompson"), 6126 S La Salle, Chicago, Ill.
Coleman Hdwe. Co. ("Eureka"), 952 N Michigan av, Chicago, Ill.
Erickson C. E. & Co. ("Queen") Des Moines, Ia.
Forg Peter Mfg. Co., Somerville, Mass.
Franklin Brass Foundry Co. ("Ideal"), Reading, Pa.
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Moore & Gibson Corp. (Leather), 48 E. 21st, New York
Parker Wire Goods Co. ("Star," "Eureka"), Worcester, Mass.
Pratt Wm. E. Mfg. Co. ("Perfect"), 35 W Lake, Chicago, Ill.
Racine Iron & Wire Works, Racine, Wis.
Reading Saddle & Mfg. Co. ("Handy"), Reading, Pa.
Reed Evan L. Mfg. Co., Tipton, Danville, Ill.
Wolverine Supply & Mfg. Co., Page & Fontella, Pittsburgh, Pa.
Wrightsville Hardware Co. ("Star"), Wrightsville, Pa.

6225-6— Holders (Brush)

Anderson Albert & J. M. Mfg. Co. (For Street Railway Motors), 239a, Boston, Mass.
Barker Bros., Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
Baylis Co. ("Reaction"), Bloomfield, N. J.
Columbia Machine Wks. & Malleable Iron Co. (Door Handles), Atlantic av & Chestnut, Brooklyn, N. Y.
Eureka Co., North East, Pa.
Flower, D. B. ("Flower" Electrical for Rotary Convertors, Industrial & Railway Motors), 1217 Spring Garden, Phila., Pa.
Hamblin & Russell Mfg. Co., 28 Water, Worcester, Mass.
Hanlon & Goodman Co. (Adjustable Extension), 270 Pearl, New York
Hemming Mfg. Co., Garfield, N. J.
Par-Sil Metal Co., Lansdale, Pa.
Perfection Supply Co., 93 Park pl, New York
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

6227— Holders (Candle)

Bernz Otto, 17-37 Ashland, Newark, N. J.
Stonebridge C. H. Mfg. Co. ("Stonebridge" Non Drip Registering Candle Saver), 23 Warren, New York.
Stortz John & Son (Plumbers), 210 Vine, Phila., Pa.
Teepe J. Chas., Inc, Mott & Vernon avs, Long Island City, N. Y.
White J. H. Mfg. Co., 11 N 3d, Brooklyn, N. Y.

6228— Holders (Car Door)

See also Door Stops.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Sherburne & Co. ("Sherburne"), 53 Oliver, Boston

6229— Holders (Car Wheel)

Ransome Concrete Machinery Co. ("McMicken"), Dunellen, N. J.

6230— Holders (Carbon)

Bogue Chas. J. Elec. Co., 132 King, New York
Phila. Electrical & Mfg. Co., 1236 N 31st, Phila., Pa.
Westinghouse Electric Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

6231—Holders (Card & Label)

Beehler Steel Products Co., 1449 N 13th, St. Louis, Mo. *See adv index at end of book*
Brainerd Mfg. Co., East Rochester, N. Y.
Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Corbin Cabinet Lock Co. (Bronze & Brass), New Britain, Conn.
Dent Hardware Co. (Card), Fullerton, Pa.
Detroit Stamping Co., 3445 W Fort, Detroit, Mich.
Dickey Grabler Works, of the Bankers Savings & Credit System Co., W Madison & 103rd, Cleveland, Ohio
Eagle Lock Co., Terryville, Conn.
Gasket Supply Co. (Steel-Tin-Brass), 1927 Ludlow, Phila., Pa.
See adv index at end of book
Globe-Wernicke Co. (The), 25 Carthage av, Cincinnati, Ohio
See adv index at end of book
GRAMMES L. F. & SONS, 311 Union, Allentown, Pa. *See adv index at end of book*
Grand Rapids Brass Co., Grand Rapids, Mich.
Judd H. L. Co., 87 Chambers, New York
KALES STAMPING CO., 1680 W Lafayette blvd, Detroit, Mich.
See adv index at end of book
KEYSTONE GASKET MFG. CO., 829 N 4th st, Philadelphia, Pa.
See adv index at end of book
Kraft A. C. (Galv. Iron & Tin), 323 W Lake, Chicago, Ill.
Ludwig A. & Co., 75 Spring, New York
Novelty Mfg. Co., Waterbury, Conn.
Pioneer Wire Works, 133-135 Federal, Camden, N. J.
See adv index at end of book
Reading Hardware Co., Reading, Pa.
Sargent & Co., New Haven, Conn.
Shann Mfg. Co., Middletown, N. Y.
Shelby Spring Hinge Co., Shelby, O.
Stimpson Edwin B. Co. (For Mailing Bags, Etc.), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Timberlake J. B. & Sons (For Price Tickets, etc), Jackson, Mich.

Waterbury Mfg. Co., Division Chase Companies, Inc., Waterbury, Conn.
Weber-Knapp Co., Jamestown, N. Y.
Western Railway Equipment Co. ("Downing," for Cars), Central Natl. Bank, bldg, St. Louis, Mo.

6232—Holders (Carriage Curtain)

Searls Mfg. Co., 29 Mulberry, Newark, N. J.

6233— Holders (China)

BAKER S. D. MFG. CO. (Bathroom accessories), 234 W. 14th st, New York
See adv index at end of book

6234—Holders (Christmas Tree)

Donnelly John ("Hub"), Branford, Conn.
Fernald Mfg. Co., North East, Pa.
Grey Iron Casting Co., Mt. Joy, Pa.
Miller C. H. Hardware Co. ("Donnelly"), Huntington, Pa.
New Jersey Wire Cloth Co. ("Jersey"), Trenton, N. J.
See adv index at end of book
North Bros. Mfg. Co. ("Crown"), Lehigh av. & American, Phila., Pa.
Peck C. A. Hardware Co. ("Little Gem" & "Little Jewel" Steel), Berlin, Wis.
Penn Hardware Co., Reading, Pa.
Reed Evan L. Mfg. Co. ("Krackerjack"), Tipton, Danville, Ill.
Rhinelander Refrigerator Co. ("Riek's"), Rhinelander, Wis.
Wrightsville Hardware Co., Wrightsville, Pa.

6234a—Holders (Cigar & Cigarette)

Ejecto Cigarette Holder Co. ("Ejecto"), 1121 Howard, San Francisco, Cal.
Kaufmann Bros. & Bondy, 33 E 17th, New York
Waterbury Button Corporation, 831 So. Main, Waterbury, Conn.
See adv index at end of book

6234b—Holders (Clothes Line)

BAKER S. D. MFG. CO. (For Bathrooms), 234 W. 14th st, New York
See adv index at end of book
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York.
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Household Appliance Co., Neemah, Wis.
Midland Co. ("Ideal"), South Milwaukee, Wis.
Reed Evan L Mfg. Co., Tipton, Danville, Ill.

6235— Holders (Concrete)

Grabler Mfg. Co. (Steel, also Extension), Cleveland, O.

6236— Holders (Copy)

Beaton & Cadwell Mfg. Co. ("Ludington's"), New Britain, Conn.
Drop-a-Line Indicator Co., Milwaukee, Wis.
General Mach. Wks. ("File-Aide"), York, Pa.
Line-a-Time Mfg. Co., Rochester, N. Y.

6237—Holders (Cord, Electric Iron)

Paragon Electric Co., 37 W Van Buren, Chicago, Ill.

6238— Holders (Cotter Pin)

Buffman Tool Co. ("Swastika"), South Side, Louisiana, Mo.

6239-40— Holders (Crayon)

Adams D. C. Crayon Co., 125 Market, St. Louis, Mo.
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York.
See adv index at end of book
Dudfield Mfg. Co., Liberty, Mo.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Weber Co., F., 1220 Buttonwood, Phila., Pa.

Holders (Curtain Rod)

See Brackets, Curtain Pole

6241— Holders (Dash Rein)

Fernald Mfg. Co. ("Fernald"), North East, Pa.
Searls Mfg. Co., 29 Mulberry, Newark, N. J.

6242— Holders (Diamond)

Montgomery & Co. ("Strong"), 64 Reade, New York

6243— Holders (Dictionary)

Andrews A. H. Co., 107 S Wabash av, Chicago, Ill.
Flanagan Geo. J. (Also Book), 515 S Wells av, Chicago, Ill.
Sargent Geo. F. Co., 138 E. 35th, New York
Stewart Geo. S. Co., Norwalk, Ohio
Union School Fur. Co., 1034 W Van Buren, Chicago, Ill.
Welch W. M. Scientific Co., 1516 Orleans, Chicago, Ill.

6244— Holders (Die & Tap)

Advanced Engineering Co., 464 7th, San Francisco, Cal.
Bardons & Oliver (Releasing Die), Cleveland, O.
Bay State Tap & Die Co. ("Bay State"), Mansfield, Mass.
Beaman & Smith Co. (Tap), Providence, R. I.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Butterfield & Co., Derby Line, Vt.
Card S. W. Mfg. Co. (Lathe, Bit, Brace, Die Holders, etc), Mansfield, Mass.
Carpenter J. M. Tap & Die Co. (Die, Bit, Brace, Lathe), Pawtucket, R. I.
Champion Blower & Forge Co. ("Champion" Bit-Brace & Die Holder), Lancaster, Pa.
Consolidated Mach. Tool Co. of Amer. ("Magic"), Rochester, N. Y.
See adv index at end of book
Errington F. A., 11 John, New York
Geometric Tool Co. (Reversing Tap Holder), New Haven Conn.
Goodell-Pratt Co. (Tap), Greenfield, Mass.
Greenfield Tap & Die Corp. ("G. T. D."), Greenfield, Mass.
Hartford Machine Screw Co., Hartford, Conn.
McCrosky Tool Corp. ("Wizard" Turret Tap), Dept. H, Meadville, Pa.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
Polk A. J. & Son Co. (Bit Brace), Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Quint A. D. (Tap), 8 Clinton, Hartford, Conn.
Wells Corporation, The, 15 Arch, Greenfield, Mass.
See adv index at end of book

Holders (Door)

See Door Holders; also Door Stops)

6245-6— Holders (Drill)

Armstrong Bros. Tool Co. ("Armstrong," Drill & Reamer), 339 N. Francisco av, Chicago, Ill.
Beaman & Smith Co. ("Safety"), Providence, R. I.
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O. *See adv index at end of book*
Lutz Co. Inc. ("Lutz"), Dept. H, Morris & Bambrey, Phila., Pa.
Star Expansion Bolt Co. (Electricians', Brick & Stone), 147 Cedar, New York

Holders (Dry Battery)

See Holders, Battery

6247—Holders (Electric Lamp)

Arrow Electric Co. ("Arrow" Bayonet Type), Hartford, Conn.
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York.
See adv index at end of book
Brady Electric Mfg. Co., New Britain, Conn.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Faries Mfg. Co. (Adjustable), Decatur, Ill.
Ohio Electric Specialty Mfg. Co., Troy, O.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Waterbury Metal Wares Co. ("Wa Me Co," Adjustable Clusters), Waterbury, Conn.
White J. H. Mfg. Co., 111 N 3d, Brooklyn, N. Y.

6248— Holders (Extension Bit)

Millers Falls Co. ("Millers Falls"), Dept H, Millers Falls, Mass.

Holders (Flag Pole)

See Brackets, Flag Pole

6249—Holders (Garage Door)

Bolles Wm. B., Post-office Box 600M, Milwaukee, Wis.
Griffin Mfg. Co., 15th & Cherry, Erie, Pa.
Phoenix Mfg. Co., Milwaukee, Wis.
Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book
Rixson Oscar C. Co., 4450 Carroll av, Chicago, Ill.
Stanley Works, New Britain, Conn.
See adv index at end of book

Holders (Hog)

See Tongs (Hog)

6250— Holders (Iron)

Ritzenthaler, John, 73 Franklin, New York.

6251— Holders (Knurl)

See also Holders, Tool

Alert Tool Co. (Adjustable), 1321 W Tioga, Phila., Pa.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Graham Mfg. Co. (For Turrets), 96 Point, Providence, R. I.

Holders (Label)

See Holders, Card & Label

6252— Holders (Lantern)

Ladd W. C. ("Warner"), Bristol, Conn.
Morse A. J. & Sons, Inc., 221 High, Boston, Mass.

6253— Holders (Match Box)

American Ring Co., Waterbury, Conn.
Arcade Mfg. Co. (For Safety Matches, etc), Freeport, Ill.
Buffalo Mach. Mfg. Co., 1354 West av, Buffalo, N. Y.
Central Specialty Mfg. Co., 404 S Kolmar, Chicago, Ill.
Dent Hardware Co., Fullerton, Pa.
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Grey Iron Casting Co. (Safety), Mt. Joy, Pa.
Res Mfg. Co. ("Non-theft"), 2907 Meinecke av, Milwaukee, Wis.
Williams A. C. Co., Ravenna, Ohio
Wrightsville Hardware Co., Wrightsville, Pa.

6253a— Holders (Menthol)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York.
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

6254-5—Holders (Milk Bottle or Jar)

Hamblin & Russell Mfg. Co., Worcester, Mass.
Parker Wire Goods Co. ("Triumph" Sanitary, Screws to Wall), Worcester, Mass.
Pioneer Wire Works, 133-135 Federal, Camden, N. J.
See adv index at end of book
Wickwire Spencer Steel Corp. ("Natwire" Wire), 41 E 42nd, New York
See adv index at end of book

Holders (Mop)

See Mop Sticks & Holders

6256—Holders (Note Book, Stenographers')

Galesburg Writing Machine Co. ("Chicago"), Galesburg, Ill.
Ihling Bros. & Everard Co., Kalamazoo, Mich.
Weber-Knapp Co. ("Perfection" & "Mack" Copy), Jamestown, N. Y.

6257— Holders (Oil Can)

Buffum Tool Co. ("Swastika," Automobile, etc), South Side, Louisiana, Mo.
Halladay L. P. Co. (Automobile), Streator, Ill.
Zeigler Mfg. Co., Alexandria, Ind.

6258-9—Holders (Paper Sheet)

BAKER S. D. MFG. CO., 234 W. 14th st, New York
See adv index at end of book
Heinn Co., 354H Florida, Milwaukee, Wis.

6259a—Holders (Pen, Writing)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York.
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book

6260— Holders (Pencil)

Adams D. C. Crayon Co., 125 Market, St. Louis, Mo.
Eagle Pencil Co., 703 E 13th, New York
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Stimpson Edwin B. Co. (For Enameling), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Waterbury Button Corp. (Metal with Chain), 831 S Main, Waterbury, Conn.
See adv index at end of book
Weber Co., F., 1220 Buttonwood, Phila., Pa.

6261—Holders (Pipe Nipple)

American Pin Co. ("Ampinco" Brass), Waterbury, Conn.
Bignall & Keeler Mfg. Co., Edwardsville, Ill.
Boston Brass Co. ("B. & B."), 135 Beacon, Waltham, Mass.
Curtis & Curtis Co., 188 Garden, Bridgeport, Conn.
Fee & Mason (& for Flush Pipes), 81 Beekman, New York
Lockhart R. Jas. ("Lockhart" Polished), 201 Millvale, Pittsburgh, Pa.
Merrell Mfg. Co., 15H Curtis, Toledo, O.
Murchey Machine & Tool Co., 85 Porter Detroit, Mich.
Starbuck R. M. & Sons ("Starbuck"), Hartford, Conn.

(Continued on following page)

Holders (Pipe Nipple)—Continued

Ward-Love Pump Corp., 716 Race, Rockford, Ill.

6262— Holders (Punch)

Cleveland Punch & Shear Works Co., 3917 St. Clair av N E, Cleveland, Ohio
See adv index at end of book
Cleveland Steel Tool Co., 660 E 82nd, Cleveland, O.
Richard I. P. Co. ("U. S. Standard"), 23 Pemberton, Providence, R. I.

Holders (Rein)

See Holders, Dash Rein

6263— Holders (Rod)

National Sheet Metal Co., Peru, Ill.

Holders (Sack or Bag)

See Holders, Bag

Holders (Sad Iron)

See Handles, Sad Iron

6264-5— Holders (Sash)

Wagner Mfg. Co. ("Wagner," for Screen & Storm Sash), Cedar Falls, Ia.
Waterbury Button Corporation, 831 S Main, Waterbury, Conn
See adv index at end of book

6266-7—Holders (Shade or Globe)

American Brass & Copper Co. (Gas & Electric), 138 Lafayette, New York
American Pin Co., Waterville, Waterbury, Conn.
American Ring Co., 531 Bank, Waterbury, Conn.
Art Metal Mfg. Co. ("A-M"), E 61st & Curtis av, Cleveland, O.
Arrow Electric Co., Hartford, Conn.
Brandt-Dent Co., Watertown, Wis.
Bridgeport Brass Co., Dept. H, E. Main, Bridgeport, Conn.
BRYANT ELECTRIC CO. ("Uno" Electric), 1421 State, Bridgeport, Conn.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Connecticut Electric Mfg. Co., Bridgeport, Conn.
Crescent Brass Products Co. (Nitrogen), 8410 Lake av, Cleveland, O.
Crouse-Hinds Co., Syracuse, N. Y.
Dale Lighting Fixture Co., 107 W 13th, New York
Faries Mfg. Co., Decatur, Ill.
Freeman E. H. Electric Co., Trenton, N. J.
Grady M. J. Mixture Mfg. Co. (Inverted), 608 1st av N, Minneapolis, Minn.
Gudeman & Co., 30 Irving pl, New York
Harter Mfg. Co., 524 S Clinton, Chicago, Ill.
Herwig Co. (The), 1753-59 Sedgwick st, Chicago, Ill.
See adv index at end of book
Hubbell Harvey Inc. ("Hubbell" Shade), Bridgeport, Conn.
Kraushaar Brass Mfg. Co. (Aluminum Elec Reflector Shades & Holders Combined, etc), 919 Pine, St. Louis, Mo.
McFaddin H. G. & Co., 38 Warren, New York
Manhatton Brass Co., 332 E 28th, New York
Mitchell Vance Co., 507 W 24th, New York
Plume & Atwood Mfg. Co. (Gas & Electric Globe), Waterbury, Conn.
Remhof Chas., 637 St. Marks av, Brooklyn, N. Y.
Safety Car Htg. & Lighting Co., Dixwell & Putnam avs, New Haven, Conn.
Schaefer Brass Mfg. Co., 815 Clark av, St. Louis, Mo.
Solar Elec. Co., 24 W. Lake, Chicago, Ill.
Standard Metal Spinning Co. (Nitrogen), 138 Mott, New York
Steele & Johnson Mfg. Co., 779 So Main, Waterbury, Conn.
Waldo Co. ("Waldo" for Upright or Hanging Bulbs), 19 W. 24th, New York
Waterbury Metal Wares Co. (Electric Candle Shade, Upright & Inverted; Also Screwless), H, Jackson, Waterbury, Conn.
Weber Brass Co. (Nitrogen), Whitney Power Blk, Cleveland, O.
White Jas. H. Mfg. Co., 111 N 3d, Brooklyn, N. Y.
Wilson A. B. Co., 1051 Power bldg, Cleveland, O.

6268— Holders (Sign)

Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Metal Price Tag Co., 409 S Stanford av, Los Angeles, Cal.
Pioneer Wire Works, 133-135 Federal, Camden, N. J.
See adv index at end of book

6269—Holders (Soda Glass)

Aldrich Mfg. Co. (Soda Glass), 57 Illinois, Buffalo, N. Y.
Ray Geo. A. Mfg. Co. (Plated), 1495 Niagara, Buffalo, N. Y.

6270— Holders (Spice Jar)

Cassady Fairbank Mfg. Co. ("Sanitary"), 6126 S La Salle, Chicago, Ill.

6271— Holders (Stake)

Commercial Shearing & Stamping Co., Youngstown, Ohio
Louden Machinery Co. (Malleable Iron & Pressed Steel), Fairfield, Ia.
Stanley Works (Wrought Steel, Wagon), New Britain, Conn.
Youngstown Pressed Steel Co., Warren, O.
See adv index at end of book

6272— Holders (Syrup)

Stuart & Peterson Co., Burlington, N. J.

Holders (Tap)

See Holders, Die & Tap

6272a—Holders (Test Tube)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York.
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

6272b— Holders (Ticket)

McCaskey Register Co., Alliance, O.
Pioneer Wire Works, 133-135 Federal, Camden, N. J.
See adv index at end of book

6273—Holders (Toilet Paper)

A. P. W. Paper Co., Dept H, Albany, N. Y.
Automatic Wire Goods Mfg. Co., 386 Canal pl, New York
Autoyre Co. ("Maid En White," Enamel & Nickel Plated), Dept. H, Oakville, Conn.
BAKER S. D. MFG. CO., 234 W. 14th st, New York
See adv index at end of book
Bens S. J. Mfg. Corp. ("Handy Roll" "Flat O Roll"), Herkimer, N. Y.
Browne W. G. Mfg. Co., Kingston, N. Y.
Bulman E. O. Mfg. Co. (Paper), Grand Rapids, Mich.
Cassady Fairbank Mfg. Co. ("Unique," "Stiles"), 6126 S La Salle, Chicago, Ill
Central Specialty Mfg. Co., 404 S. Kolmar, Chicago, Ill.
Columbus Brass Co., 620 Dublin av, Detroit, Mich.
See adv index at end of book
Cutter Mfg. Co. ("Hub" & "Wright"), Everett Sta., Boston, Mass.
Fanner Mfg. Co. ("Arctic"), Cleveland, O.
Forsyth Metal Goods Co., E Aurora, N. Y.
Gray Iron Foundry Co., Reading, Pa.
Hills Edwin (Rollers), Plainville, Conn.
Morgan Envelope Co. ("Springfield" Oval), Harrison av, Springfield, Mass.
Mumford Paper Mills Inc. ("Believe Me"), Mumford, N. Y.
Novelty Mfg. Co. ("Wilwear"), Waterbury, Conn.
Paper A. P. W. Co., Dept. H, Albany, N. Y.
Parker Chas. Co., Meriden, Conn.
Reading Saddle & Mfg. Co. ("Reading"), Reading, Pa.
Reed Evan L. Mfg. Co., Tipton, Danville, Ill.
Res. Mfg. Co. ("Res"), 2907 Meinecke av, Milwaukee, Wis.
Shelby Spring Hinge Co. ("Satin," "Silk," Steel & Brass), Shelby, O.
Southington Hdwe. Co., Southington, Conn.
Sweeney W. H. Mfg. Co. ("Royal"), 30 Main, Brooklyn, N. Y.
Weston Paper & Mfg Co. ("Tiger"), Dayton, O.
Wickwire Spencer Steel Corp. ("Natwire" White Enameled), 41 E 42nd, New York *See adv index at end of book*

6274— Holders (Tool, Etc.)

Alert Tool Co. (Knurling Tool, Hand & Universal), 1321 W Tioga, Phila., Pa.
Allman Gas Engine & Machine Co. ("Miller" Lathe), 461 Canal, New York
American Tool & Machine Co. (Turret), 10 High, Boston, Mass.
Armstrong Bros. Tool Co. ("Armstrong" Tool Holders for Turning, Boring, Planing and Cutting Off Metals), 339 N Francisco av, Chicago, Ill.
Bardons & Oliver (Forming Tool Holders), Cleveland, O.
Bay State Tap & Die Co. ("Bay State," Die, Bit, Brace & Lathe), Mansfield, Mass.
Beaman & Smith Co. (Safety Drill & Tap), Providence, R. I.
Brown & Sharpe Mfg. Co. (For Screw Machines, etc), Providence, R. I.
Clark Equipment Co., Buchanan, Mich.
Cleveland National Machine Co., 1366 W 70th, Cleveland, O.
Cleveland Twist Drill Co. (Floating & Turret), 1 E 49th, Cleveland, O.
See adv index at end of book
Consolidated Mach. Tool Corp. of Amer. ("Magic," "Chuck," Die Tap, etc.), Rochester, N. Y.
See adv index at end of book
Crescent Forgings Co. ("Lang" Turning, Threading & Cutting-off; also Holders for Heavy Work), Oakmont, Pa.
Detroit Twist Drill Co. (Lathe Drill), 555 Fort, Detroit, Mich.
Errington F. A., 11 John, New York
Gairing Tool Co., 19H W Woodbridge, Detroit, Mich.
Gisholt Machine Co., Madison, Wis.
Grant Mfg. & Machine Co. (Adjustable Boring Tool Holder), Bridgeport, Conn.
Hartford Machine Screw Co. (Machine Tool), Hartford, Conn.
O. K. Tool Holder Co. ("O. K."), Shelton, Conn.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Ready Tool Co. ("Red-E"), Bridgeport, Conn.
Union Tool Co. ("Hill," "Eberhardt"), Orange, Mass.
Western Tool & Mfg. Co. ("Champion"), Springfield, O.
Whitman Metal Goods Co. (Lathe & "Efficiency" Planer), Whitman, Mass.
Williams J. H. & Co. ("Agrippa" & "Vulcan" for Turning, Boring, Planing, Cutting Off Side Work, etc.), 400 Vulcan, Buffalo, N. Y.

6275—Holders (Tooth Brush)

Autoyre Co. ("Maid-En-White," Enamel & Nickel Plated), Dept. H, Oakville, Conn.
BAKER S. D. MFG. CO., 234 W. 14th st, New York
See adv index at end of book
Cassady Fairbank Mfg. Co. (Aluminum, Nickel Plated, etc), 6126 S La Salle, Chicago, Ill.
Central Specialty Mfg. Co., 404 S. Kolmar, Chicago, Ill.
Denning Mfg. Co. ("Denning's"), 1777H E 87th, Cleveland, O.
Res. Mfg. Co., 2907 Meinecke av, Milwaukee, Wis.
Waterbury Mfg. Co., Division Chase Companies, Inc., Waterbury, Conn.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

6276— Holders (Tooth Pick)

Aluminum Goods Mfg. Co. (Aluminum), Manitowoc, Wis.
Standard Aluminum Co. (Aluminum), Two Rivers, Wis.

6277— Holders (Towel)

Beaton & Cadwell Mfg. Co., 185 Main, New Britain, Conn.
Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Borroughs Additional Towel System, 28th & Filbert, Oakland, Cal.
Bulman E. O. Mfg. Co., Grand Rapids, Mich.
Cutter Mfg. Co. ("Hub" & "Wright"), Everett Sta., Boston, Mass.
Denning Mfg. Co. ("Denning's"), 1777H E 87th, Cleveland, O.
Dryrite Co. of Cal., Inc. ("Dryrite" Cabinet), Chancery bldg, San Francisco, Cal.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Waterbury Mfg. Co., Division Chase Companies, Inc., Waterbury, Conn.
Welch W. M. Scientific Co., 1516 Orleans, Chicago, Ill.

6278— Holders (Trace)

Harsh-Miller Mfg. Co., Wabash, Ind.

6279—Holders (Tumbler, Etc.)

Autoyre Co. ("Maid-En-White," Enamel & Nickel Plated), Dept. H, Oakville, Conn.
BAKER S. D. MFG. CO., 234 W. 14th st, New York
See adv index at end of book
Cassady Fairbanks Mfg. Co., 6126 S La Salle, Chicago, Ill.
Central Specialty Mfg. Co. (Single, Double & Opal), 404 S. Kolmar, Chicago, Ill.
Columbus Brass Co., 620 Dublin av,
See adv index at end of book
Dawson J. R. Mfg. Co., 168 N. Master, Philadelphia, Pa.
Edwardsville Brass Co., Edwardsville, Ill.
Eustis J. P. Mfg. Co. ("Brasscrafters"), Cambridge, Mass.
Forsyth Metal Goods Co., E Aurora, N. Y.
Garden City Plating & Mfg. Co. ("Kurtson"), 1430 S Talman av, Chicago, Ill.
Novelty Mfg. Co. ("Wilwear" Combination Tumbler & Soap Holder), Waterbury, Conn.
Parker Chas. Co. (Bath Rooms, etc), Meriden, Conn.
Pioneer Wire Works, 133-135 Federal, Camden, N. J.
See adv index at end of book
Schlesinger Leo & Co. (Combination Tumbler & Soap), 527 Greenwich, New York
Searls Mfg. Co. ("Palette"), 29 Mulberry, Newark, N. J.
Silver & Co. ("Silver"), 304 Hewes, Brooklyn, N. Y.
Stephenson C. H. ("Stephenson"), Lynn, Mass.
Sternau S. & Co., 93 E. 37th, New York
Sweeney W. H. Mfg. Co., 30 Main, Brooklyn, N. Y.

6280—Holders (Tumbler, Wire)

Automatic Wire Goods Mfg. Co., 886 Canal pl, New York
Bridgeport Wire Goods Co., East Port Chester, Conn.
Parker Wire Goods Co., Worcester, Mass.
Pioneer Wire Works, 133-135 Federal, Camden, N. J.
See adv index at end of book
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Washburn Co. (Wire Goods Div.), 28 Union, Worcester, Mass.
Woods-Sherwood Co., 28 Union, Worcester, Mass.

6281— Holders (Twine)

Bulman E. O. Mfg. Co., Grand Rapids, Mich.
Cutter Mfg. Co. ("Hub" & "Wright"), Everett Sta., Boston, Mass.
Introstile Mfg. Co. ("Ideal"), Marietta, O.
Nicol & Co. (Improved Cone), 218 N Jefferson, Chicago, Ill.
Reed Evan L. Mfg. Co., Tipton, Danville, Ill.
Screw Machine Products Corp., 1012 Eddy, Providence, R. I.
Thrope F. M. Mfg. Co., Larmar, Mo.
Universal Winding Co. ("Walker"), Boston, Mass.
Wickwire Spencer Steel Corp. ("Natwire" Wire), 41 E 42nd, New York
See adv index at end of book
Woods-Sherwood Co. (Wire Twine Baskets), 28 Union, Worcester, Mass.

6282— Holders (Umbrella)

Clark W. J. Co., Salem, Ohio
Lamb Geo. L., Nappanee, Ind.

6283—Holders (Whisk Broom)

American Ring Co., Waterbury, Conn.
Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Central Specialty Mfg. Co., 404 S. Kolmar, Chicago, Ill.
Kennebunk Mfg. Co. (Fibre), Milton, N. H.
Novelty Mfg. Co., Waterbury, Conn.

6284— Holders (Wire)

Austin & Smith Co. (Drop, Spring, Long or Short Handle), 164 Brewery, New Haven, Conn.
Fletcher Mfg. Co. ("Gem"), Dayton, Ohio
Hubbard & Co. ("Peirce"), 6301 Butler, Pittsburgh, Pa.
Stine Screw Holes Co. ("Stine"), Waterbury, Conn.

6285— *Holes (Screw)

STINE SCREW HOLES CO. ("Stine"), 200 Grand st, Waterbury, Conn.

Hollow Ware

See Enameled Ware; also Aluminum Hollow Ware; also sub-classifications following

6286—Hollow Ware (Cast Iron)

See also Hollow Ware, Stove
Favorite Stove & Range Co., Piqua, Ohio
Griswold Mfg. Co., Erie, Pa.
Hardwick Stove Co. (Tea Kettles), Cleveland, Tenn.
Wagner Mfg. Co., Sidney, Ohio

6286a—Hollow Ware (Monel Metal)

INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book

6287—Hollow Ware (Nickel Plated)

Acme Novelty Co., 4222 Lake, Chicago, Ill.
Aldrich Mfg. Co. (With Hinged Cover), 57 Illinois, Buffalo, N. Y.
Farber S. W., 147 S 5th, Brooklyn, N. Y.
Lehmann Bros., 197 Grand, New York
Reed Mfg. Co. ("Reed"), Newark, N. Y.
Sweeney W. H. Mfg. Co., 30 Main, Brooklyn, N. Y.

6288—Hollow Ware (Silver Plated)

Acme Novelty Co., 4222 Lake, Chicago, Ill.
Benedict Mfg. Co. (Also Flatware), East Syracuse, N. Y.
Farber S. W., 147 S 5th, Brooklyn, N. Y.
Homan Mfg. Co., Findlay, Western & Hulbert av, Cincinnati, O.
International Silver Co., 9 Maiden la, New York
Lehmann Bros., 197 Grand, New York
Paye & Baker Mfg. Co., North Attleboro, Mass.
Rogers J. Silver Co., 13 Laight, New York
Van Bergh Silver Plate Co., Rochester, N. Y.

6289— Hollow Ware (Stove)

Birmingham Stove & Range Co., Birmingham, Ala.
Favorite Stove & Range Co. (Tea Kettles, etc.), Piqua, Ohio
Glascock Stove & Mfg. Co. (Cast Iron), Greensboro, N. C.
Gray & Dudley Hardware Co., Nashville, Tenn.
Lodge Mfg. Co. (Cast Iron), S Pittsburg, Tenn.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Richmond Stove Co., Dept. H, 2506 E Main, Richmond, Va.
Southern Co-operative Foundry Co., Rome, Ga.

6290—Holsters (Gun & Pistol)

Abercrombie & Fitch Co., Madison av & 45th, New York
Brauer Bros. Mfg. Co., 204 N 14th, St. Louis, Mo.
Brauer Reuter & Brauer Co., 1385 E 7th, Los Angeles, Cal.
Buchheimer Geo. H., 508 Ann, Baltimore, Md.
Goodrich B. F. Co. (Rubber), Akron, O.
Hodgman Rubber Co. (Rubber), 25 W. 43rd, New York
Hoegee W. H. Co., Los Angeles, Cal.
Liston & Polter Mfg. Co. ("L. & P."), Eugene, Ore.
Pneumatic Mfg. Co., 123 Pacific, Brooklyn, N. Y.
Stimpson Edwin B. Co. (Knobs For), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book

6291— Homatropine

Hoffmann-La Roche Chemical Works, 19 Cliff, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

6292— Hominy

See also Food, Cereal, Prepared, etc.
American Hominy Co., 1857 Gent av, Indianapolis, Ind.
Bishopp Hominy Co., Sheldon, Ill.
Crete Mills, Crete, Nebraska
H-O Company, Buffalo, N. Y.
Hodapp Hominy Co., Seymour, Ind.
Lafayette Corn Flour Mills, Lafayette, Ind.

6293-4— Hones (Razor)

American Hone Co., Olean, N. Y.
Bracher Co., Belleville, N. J.
Carborundum Co. (Carborundum & Natural Stone), Niagara Falls, N. Y.
Droescher S. R., 79 Warren, New York
Korn Geo. W. Razor Mfg. Co., Little Valley, N. Y.
Pike Mfg. Co., Pike, N. H.

Hoods (Automobile)

See Hoods, Motor

6295— Hoods (Forge)

Lourie Hydraulic Press Co., Springfield, Ill. *See adv index at end of book*
Standard Sheet Metal Mfg. Co., Washington, Pa.

6296—Hoods (Galvanized Sheet Steel)

Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
Breese Bros. Co., The, 2349 Reading road, Cincinnati, O.
See adv index at end of book
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book

6297—Hoods (Grinding, Buffing & Polishing Wheel)

Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
Barker Bros., Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
Buffalo Forge Co. (Grinding, Buffing & Polishing Wheel), 490 Broadway, Buffalo, N. Y.
Cleveland Blow Pipe & Mfg. Co., 6950 Kinsman rd, Cleveland, Ohio.
Kirk & Blum ("Economy"), York & Western avs, Cincinnati, O.
NORTHERN BLOWER CO. (THE), Denison & W 65th, Cleveland, O.
See adv index at end of book
Valley City Machine Works (Adjustable for Grinders), Grand Rapids, Mich.

6297a— Hoods (Laboratory)

Alberene Stove Co., 153 W 23d, New York
Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.

6298— Hoods (Motor)

Auto Lamp & Radiator Co., 1614 Prospect, Cleveland, O.
Chicago Mfg. Co. ("Chicago"), 1464 S Michigan av, Chicago, Ill.
Clayton & Lambert Mfg. Co., 10565 Knodell av, Detroit, Mich.
Columbus Auto Brass Co. (Trucks & Tractors), 215 E Russell, Columbus, O.
Edwards Mfg. Co., 545-565 Eggleston av, Cincinnati, Ohio
See adv index at end of book
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Hayes Mfg. Co., 480 Maybury, Detroit, Mich.
Holan Metal Products Co. The, N 40th & Clark av, Cleveland, O.
Kells W. J. Mfg. Co., 521 W 45th, New York
Lawson F. H. Co. (For Fords), Evans & Whateley, Cincinnati, O.
Messenger & Park Mfg. Co., Aurora, Ill.
Morrison Steel Products Inc., 26 E North, Buffalo, N. Y.
Pettis W. W. Co., 416-417 First Natl. Bank bldg, Cincinnati, O.
Saginaw Sheet Metal Works, Saginaw, Mich.
U. S. Aluminum Co., Oliver bldg, Pittsburgh, Pa.
Wright R. G. & Co., 98 Eagle, Buffalo, N. Y.
York Corrugating Co., York, Pa.

6299— Hoods (Spray)

Atlantic Boat Co., Amesbury, Mass.
McClellan Chas. P. (Marine), 22 Boomer, Fall River, Mass.
Pneumatic Mfg. Co., 123 Pacific, Brooklyn, N. Y.
Spray Engineering Co. ("Spraco" Paint), 62 High, Boston, Mass.
See adv index at end of book
Thomas Wm. E. & Co., 42 South, New York

6300—Hoods & Fixtures (Electric Lamp)

American Reflector & Lighting Co., 517 W Jackson blvd., Chicago, Ill.
Benjamin Electric Mfg. Co. (Fixtures), 120 S Sangamon, Chicago, Ill.
Brady Electric Mfg. Co., New Britain, Conn.
Cutter Geo. Co., South Bend, Ind.
Fletcher Mfg. Co., Dayton, O.
Line Material Co., South Milwaukee, Wis.
Lundin Electric & Machine Co., 10 Thatcher, Boston, Mass.
National Metal Stamping & Mfg. Co. ("Tidman," "Chapin," "Columbian," "Marten," "Jersey," "Murray," "Tuxedo,' "Tremont"), 494 Mulberry, Newark, N. J.
Phila. Electrical & Mfg. Co. ("Pemco" Copper Incandescent Street), 1236 N 31st, Philadelphia, Pa.
Reynolds Electric Co. (Colored Glass Hoods), 2650H W Congress, Chicago, Ill.
Wheeler Reflector Co. ("Wheeler"), 275 Congress, Boston, Mass.

Hook-Gage

See Recorders, Water Level

6301— Hookaroons

American Logging Tool Co., Evart, Mich.
Oshkosh Mfg. Co. (Axe Handle, etc), Oshkosh, Wis.

6302— Hooks (Agricultural)

Bonney Forge & Tool Wks., Telghman, Allentown, Pa.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.

6302a— Hooks (Anode)

INTERNATIONAL NICKEL COMPANY, THE, 67 Wall st, New York. (See insert under Monel Metal)
See adv index at end of book
Munning & Co., A. P., Matawan, N. J.
Steel Products Mfg. Co., Cicero, Ill.

6303—Hooks (Automatic Tripping)

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

6304— Hooks (Awning)

AMERICAN STEEL & WIRE CO., 203 S La Salle, Chicago, Ill.
See adv index at end of book
Auer Jno. Jr. (Wrought), 197 Middletown, Brooklyn, N. Y.
Austin & Smith Co., 164 Brewery, New Haven. Conn.
See adv index at end of book
Beehler Steel Products Co., 1449 N 13th, St. Louis, Mo.
See adv index at end of book
Bonney Forge & Tool Wks., Telghman, Allentown, Pa.
Brewer Bros. Co. (Wrought Iron), 2743 N 2nd, Philadelphia, Pa.
Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Landers, Frasy & Clark (Wrought), New Britain, Conn.
Parker Wire Goods Co. (Wire), Worcester, Mass.
Sargent & Co., Water & Walce, New Haven, Conn.
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book

(Continued on following page)

Hooks (Awning)—Continued

Tichener-Diehl Co., 1844-48 W. Austin av, Chicago, Ill.
Townsend Co., New Brighton, Pa.
See adv index at end of book
Wickwire Spencer Steel Corp ("Eclipse" & Eyes), 41 E 42nd, New York
See adv index at end of book
Wilcox Crittenden & Co. Inc., 444 S Main, Middletown, Conn.
See adv index at end of book

6305— Hooks (Back Band)

American Mfg. Co. ("Boss," "Sure Grip" & "H & A"), Chestnut & Water, Chattanooga, Tenn.
Elbel Co., Canton, O.
North & Judd Mfg. Co. ("Anchor Brand"), New Britain, Conn.
Stanley Wks., New Britain, Conn.
See adv index at end of book

Hooks (Bale & Box)

See Hooks, Cotton, Box, etc

6306— *Hooks (Barrel)

Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.
Auer Jno Jr. (Wrought, Barrel, or Can), 197 Middleton, Brooklyn, N. Y.
Cuyahoga Spring Co., (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Marine Hardware-Equipment Co., So. Portland, Me.
Wickwire Spencer Steel Corp. ("Eclipse"), 41 E 42nd, New York
See adv index at end of book
WILCOX CRITTENDEN & CO. INC., 444 S Main, Middletown, Conn.
See adv index at end of book

6307— *Hooks (Beam)

Crane Co., 836 S. Michigan av, Chicago, Ill.
See adv index at end of book

Hooks (Belt)

See Belt Fasteners

6308— Hooks (Bench)

Buffum Tool Co. ("Swastika," Carpenters'), South Side, Louisiana, Mo.
Goodell-Pratt Co., Greenfield, Mass.
Jennings C. E. & Co., 71 Murray, New York
Millers Falls Co., Dept. H, Millers Falls, Mass.
Sargent & Company, Water & Walce, New Haven, Conn.
Smith, Seymour & Son (Reversible & Screw Adjusting), Oakville, Conn.

6309— Hooks (Bill File)

Automatic Wire Goods Mfg. Co., 386 Canal pl, New York
Barbee Wire & Iron Works, Lafayette, Ind.
Judd H. L. Co., 87 Chambers, New York
Philadelphia Novelty Mfg. Co., 13th & Noble, Philadelphia, Pa.
Sargent & Co., Water & Walce, New Haven, Conn.

6310— Hooks (Bird Cage)

Arcade Mfg. Co. (Swinging, etc), Freeport, Ill.
Cassady Fairbank Mfg. Co., 6126 S. La Salle, Chicago, Ill.
Cuyahoga Spring Co., (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book
Grey Iron Casting Co., Mt. Joy, Pa.
Hamblin & Russell Mfg. Co., Worcester, Mass.
HENDRYX A. B. CO., 86 Audubon, New Haven, Conn. *See adv index at end of book*
Judd H. L. Co., 87 Chambers, New York
Landers, Frary & Clark, New Britain, Conn.
Meyers Fred J. Mfg. Co., Hamilton, O.
Parker Wire Goods Co. ("Worcester" Adjustable), Worcester, Mass.
Peck, Stow & Wilcox Co., Southington Conn.
Penn Hardware Co., Reading, Pa.
Pratt Wm. Mfg. Co., 35 W Lake, Chicago, Ill.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., Water & Walce, New Haven, Conn.
Turner & Seymour Mfg. Co., Torrington, Conn.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Williamson C. T. Wire Novelty Co., Badger av, Newark, N. J.
Washburn Co. (Wire Goods Div.), 28 Union, Worcester, Mass.
Wrightsville Hardware Co., Wrightsville, Pa.

6310a— *Hooks (Blind)

Stanley Works, New Britain, Conn.
See adv index at end of book

6311— Hooks (Block Yacht)

Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Marine Hardware-Equipment Co., South Portland, Me.

6312—Hooks (Boat & Mooring)

Detroit Shipbuilding Co., Ft. Orleans, Detroit, Mich.
Durkee Chas. D. & Co. ("Jacobi"), 2 South, New York
Force Chas C. & Son, Madison, N. J.
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Malleable Iron Fittings Co. ("M. I. F. Co."), Branford, Conn.
Marine Hardware Co., Peabody, Mass.
Marine Hardware-Equipment Co., South Portland, Me.
New York Boat Oar Co., 100 Washington, New York
Shelton Water Co., Derby, Conn.
United Shipsmithing Co., 135 Spear, San Francisco, Cal.
Wilcox & Crittenden & Co. Inc., 444 S Main, Middletown, Conn.
See adv index at end of book

Hooks (Box)

See Hooks, Cotton, Box, Hay, etc

6313— Hooks (Bush)

American Axe & Tool Co. (Strapped Eye, etc), Glassport, Pa.
Collins Co., Collinsville, Conn.
Dunn Edge Tool Co. ("Champion"), Oakland, Me.
Evansville Tool Works, 701 W Maryland, Evansville, Ind.
Iwan Bros., Streator, Ill.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Peck, Stow & Wilcox Co., Southington, Conn.
Plumb Fayette R., 4837 James, Philadelphia, Pa.
Wadsworth David & Son, Auburn, N. Y.

Hooks (Button)

See Buttoners, Glove & Shoe

6314— Hooks (Cabin Door)

Corbin Cabinet Lock Co., New Britain, Conn.
Corbin P. & F. ("Corbin"), Dept. H, New Britain, Conn.
Dent Hardware Co., Fullerton, Pa.
Durkee Chas. & Co., 2 South, New York
Kell Francis & Son, 401 E 163d, New York
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., Water & Walce, New Haven, Conn.
Tiebout W. & J., 118 Chambers, New York

6314a—Hooks (Cargo, Safety)

Bacon & Matheson Forge Co., 17H W. Lander, Seattle, Wash.
Bonney Forge & Tool Wks., Telghman, Allentown, Pa.
Gerdes & Co., 42 Church, New York.
See adv index at end of book
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
LAUGHLIN THOS. CO. ("Portland," "Liverpool," "Western," "Seattle," "California"), 135 Fore, Portland, Me.
See adv index at end of book
Marine Hardware-Equipment Co., So. Portland, Me.
Taylor E. L. & Co., 71 First, Portland, Ore.
Wilcox Crittenden & Co. Inc., 444 S Main, Middletown, Conn.
See adv index at end of book

6315— Hooks (Carrying)

Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.
Columbus Handle & Tool Co., Columbus, Ind.
Dicke Tool Co., Downers Grove, Ill.
O'Kelly Gregory ("O'Kelly" Safety), 35 S Dearborn, Chicago, Ill.
Ransome Concrete Machinery Co., Dunellen, N. J.

6316—Hooks (Ceiling & Chandelier)

Arcade Mfg. Co. ("Arcadian" Bronze), Freeport, Ill.
Atlas Mfg. Co. ("Bradley"), 125 Water, New Haven, Conn.
Austin & Smith Co. (Ceiling), 164 Brewery, New Haven, Conn.
See adv index at end of book
Chain Products Co., H, E Cooper av, Cleveland, O.
Champion Hardware Co. ("Champion" Ceiling), Geneva, O.
Corbin P. & F. ("Corbin"), Dept. H, New Britain, Conn.
Dent Hardware Co., Fullerton, Pa.
Grey Iron Casting Co., Mt. Joy, Pa.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Jencks E. Mfg. Co. ("Eclipse," "Favorite"), 28 Union, Worcester, Mass.
Laughlin, Thos. Co. (Ceiling), Portland, Me.
See adv index at end of book
Malleable Iron Fittings Co. ("M. I. F. Co."), Branford, Conn.
Parker Wire Goods Co. ("King," "Queen," Wire), Worcester, Mass.
Penn Hardware Co., Reading, Pa.
Reading Brass Works Inc., Reading, Pa.
Reading Hdwe. Co. (Ceiling Only), Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., Water & Walce, New Haven, Conn.
Shelby Spring Hinge Co. (Wire, Ceiling Only), Shelby, O.
Susquehanna Casting Co., Wrightsville, Pa.
Taylor & Boggis Foundry Co., Cleveland, O.
Tiebout W. & J. (Brass & Bronze), 118 Chambers, New York
Turner & Stanton Co., Norwich, Conn.
Western Brass Mfg. Works (Brass & Bronze), Marshall blvd & W 21st, Chicago, Ill.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Williamson C. T. Wire Novelty Co. (Wire), Badger av, Newark, N. J.
Washburn Co. (Wire Goods Div.), 28 Union, Worcester, Mass.
Wrightsville Hardware Co., Wrightsville, Pa.

6317—Hooks (Cellar Door Hinge)

Auer John Jr. (No Lead Into Cement), 197 Middleton, Brooklyn, N. Y.

6318— Hooks (Choker)

Bacon & Matheson Forge Co., 17H W. Lander, Seattle, Wash.
Clyde Iron Works Sales Co. (For Log Skidding, etc), Duluth, Minn.
See adv index at end of book

6319— Hooks (Clam)

American Fork & Hoe Co., Swetland bldg., Cleveland, O.
Union Fork & Hoe Co., Columbus, O.

6320— Hooks (Clinker)

U. S. Wire Mat Co. ("U. S."), Decatur, Ill.

6321— Hooks (Clothes Line)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Archibald Co., The, 667 Howard, San Francisco, Cal.
Automatic Wire Goods Mfg. Co., 386 Canal pl, New York
Corbin P. & F. ("Corbin"), Dept. H, New Britain, Conn.
Franklin Brass Foundry Co. ("Perfection"), Reading, Pa.
Grey Iron Casting Co., Mt. Joy, Pa.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Jencks E. Mfg. Co., 28 Union, Worcester, Mass.
Landers, Frary & Clark, New Britain, Conn.
Malleable Iron Fittings Co. ("M. I. F. Co."), Branford, Conn.
Parker Wire Goods Co., Worcester, Mass.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., Water & Walce, New Haven, Conn.
Susquehanna Casting Co., Wrightsville, Pa.
Tie Co. ("Holdfast" Tying Device), Unadilla, N. Y.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Wilcox Crittenden & Co. Inc., 444 S Main, Middletown, Conn.
See adv index at end of book
Washburn Co. (Wire Goods Div.), 28 Union, Worcester, Mass.
Wrightsville Hardware Co., Wrightsville, Pa.

6322—Hooks (Coat & Hat, Cast)

American Ring Co., Waterbury, Conn.
Arcade Mfg. Co., Freeport, Ill.
Archibald Co., 667 Howard, San Francisco, Cal.
Automatic Wire Goods Mfg. Co., 386 Canal pl, New York
Backus Novelty Co. (Combination Lock), Smethport, Pa.
Brainerd Mfg. Co., East Rochester, N. Y.
Brass Goods Mfg. Co., 345 Eldert, Brooklyn, N. Y.
Brey & Krause Mfg. Co., 244 N Front, Allentown, Pa.
Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Central Specialty Mfg. Co., 404 S Kolmar, Chicago, Ill.
Champion Hardware Co., Geneva, O
Columbus Brass Co., 533 Dublin av, Columbus, O.
See adv index at end of book
Corbin P. & F., New Britain, Conn.
Dent Hardware Co., Fullerton, Pa.
Enterprise Hardware Mfg. Co., Frederick, Md.
Erie Art Metal Co., Erie, Pa.
Frantz Mfg. Co., Sterling, Ill.
Grand Rapids Brass Co., Grand Rapids, Mich.

Grey Iron Casting Co., Mt. Joy, Pa.
Hardware Supply Co., Grand Rapids, Mich.
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
Hills Edward, Plainville, Conn.
Landers, Frary & Clark, New Britain, Conn.
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
McKenna Brass & Mfg. Co. (Inc.), (Cast Brass), 1st av & Ross, Pittsburgh, Pa.
Newman Mfg. Co., 420 Elm, Cincinnati, O.
Niles Mfg. Co., 216 S Jefferson, Chicago, Ill.
Novelty Mfg. Co., Waterbury, Conn.
Payson Mfg. Co., 2913 W Jackson blvd, Chicago, Ill.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.
Phoenix Lock Works, 3d av, Newark, N. J.
Reading Hardware Co., Reading, Pa.
Reed & Prince Mfg. Co. (Cast Bronze & Brass), Worcester, Mass.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., Water & Walce, New Haven, Conn.
Searls Mfg. Co. ("Palette"), 29 Mulberry, Newark, N. J.
Shelby Spring Hinge Co. (& Wire), Shelby, Ohio
Smith Frank F. Hardware Co., 81H Clay, Newark, N. J.
Stover Mfg. & Engine Co., Freeport, Ill.
Susquehanna Casting Co., Wrightsville, Pa.
Taylor & Boggis Foundry Co., Cleveland, Ohio
Tiebout W. & J., 118 Chambers, New York
Waterbury Mfg. Co., Division Chase Companies, Inc., Waterbury, Conn.
Weber-Knapp & Son Co. (Brass & Iron), Jamestown, N. Y.
Western Brass Mfg. Works (Brass & Bronze), Marshall blvd & W 21st, Chicago, Ill.
Wilcox Mfg. Co., 4824 West Lake, Chicago, Ill.
Williams A. C. Co., Ravenna, O.
Wire Hardware Co., 6126 S La Salle, Chicago, Ill.
Wrightsville Hardware Co., Wrightsville, Pa.

6323—Hooks (Coat & Hat, Wire)

Atlas Mfg. Co. ("Bradley," Metal Clasps), 125 Water, New Haven, Conn.
Austin & Smith Co., 164 Brewery, New Haven, Conn.
See adv index at end of book
Champion Hardware Co., Geneva, O.
Columbus Brass Co., 538 Dublin av, Columbus, O.
See adv index at end of book
Hamblin & Russell Mfg. Co., Worcester, Mass.
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
Jencks E. Mfg. Co. ("Crescent" & "Invisible"), 28 Union, Worcester, Mass.
Parker Wire Goods Co. ("King," "Vulcan"), 149 Washington, Worcester, Mass.
Sargent & Co., Water & Walce, New Haven, Conn.
Sharon Hardware Mfg. Co., Sharon, Pa.
Shelby Spring Hinge Co., Shelby, O.
Waterbury Mfg. Co., Waterbury, Conn.
Wickwire Spencer Steel Corp. ("Eclipse," "King," "Vulcan"), 41 E 42nd, New York *See adv index at end of book*
Wire Hardware Co., 6126 S La Salle, Chicago, Ill.
Williamson C. T. Wire Novelty Co., Badger av, Newark, N. J.
Wilson Steel Products Co., Dept H, 49th & Western av, Chicago, Ill.

6324—Hooks (Coke Scraper)

Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.

6325—Hooks (Conductor Pipe)

Auer John Jr. (Wrought), 197 Middleton, Brooklyn, N. Y.
Berger Bros. Co., 229 Arch, Phila., Pa.
Berger L. D. Co., 59 N 2d, Phila, Pa.
Berger Mfg. Co., 1038 Belden av, Canton, Ohio
Delphos Mfg. Co. ("Clincher"), 1st & Pierce, Delphos, O.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
Globe Iron Roofing & Corrugating Co., Dept H, Newport, Ky.
Iwan Bros. ("Iwan"), South Bend, Ind.
Klauer Mfg. Co. ("Fautless"), Dubuque, Ia.
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
Milwaukee Corrugating Co. ("Direct Drive"), Milwaukee, Wis.
New Orleans Roofing & Metal Co. ("Nola"), Cortez & Orleans, New Orleans, La.
Ohio Corrugating Co., Warren, O.
Reeves Mfg. Co., Dover, O.
Scott Roofing & Mfg. Co., 403 Culvert, Cincinnati, O.
Vaughan & Bushnell Mfg. Co. ("V. & B" Drop Forged), 2114 Carroll av, Chicago, Ill.
Wheeling Corrugating Co., Wheeling, W. Va.

6326— Hooks (Coring)

Emrich Phil, 824 Main, Cincinnati, O.

6327— Hooks (Corn)

See also Knives, Corn
American Axe & Tool Co., Glassport, Pa.
American Fork & Hoe Co. ("Cut Easy," "Yankee," "Acme"), Swetland bldg., Cleveland, O.
Clyde Cutlery Co., Clyde, O.
Earle H. S. Mfg. Co., Ford bldg., Detroit, Mich.
Goodell Co. (Adjustable), Antrim, N. H.
North Wayne Tool Co. ("C. C. Brooks'"), Hallowell, Me.
Wallingford Mfg. Co. ("Barden's 20th Century," "Carver's," "Handy," "Cyclone"), Wallingford, Vt.
Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.

6328— Hooks (Corner Bind)

American Logging Tool Co., Evart, Mich

6329— Hooks (Cornice)

Auer John Jr. (Wrought Japanned), 197 Middleton, Brooklyn, N. Y.
Cuyahoga Spring Co., (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book
Hamblin & Russell Mfg. Co., Worcester, Mass.
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
Jencks E. Mfg. Co. (Bright Wire Hooks & Eyes), 28 Union, Worcester, Mass.
Landers, Frary & Clark (Hooks & Eyes), New Britain, Conn.
Parker Wire Goods Co. (Bright Wire), Worcester, Mass.
Wickwire Spencer Steel Corp. (Hooks & Eyes), 41 E 42nd, New York
See adv index at end of book

6329a— Hooks (Corset, Brassiere, etc.)

Seymour Metal Goods Co., 14 Beecher, Seymour, Conn.
STIMPSON EDWIN B. CO., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book

6330—Hooks (Cotton, Box, Hay, Etc.)

Bagshaw & Field, 455 N 5th, Phila., Pa.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Carver Tool Works, Spring Valley, N. Y.
Drew C. & Co., Kingston, Mass.
Duffy Mfg. Co. (Box only), 214 W Grand av, Chicago, Ill.
Eagle Tool Works, Bayonne, N. J.
Faix Mfg. Co. (Patent), 1356 Harrison, San Francisco, Cal.
Fischer & Hayes Rope & Steel Co., 316 W Erie, Chicago, Ill.
Kraeuter & Co., 583 18th av, Newark, N. J.
Landers, Frary & Clark, New Britain, Conn.
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Mostberger Iron Co., 878 S Division, Buffalo, N. Y.
Myers F. E. & Bro., 950 Orange, Ashland, Ohio
See adv index at end of book
New London Vise Works (Bale, Box, Can, Barrel, etc), New London, Conn.
Osborne C. S. & Co., Box 183, Newark, N. J. *See adv index at end of book*
Sargent & Co. ("New Orleans" Pattern "Whitney," Cotton, etc), Water & Walce, New Haven, Conn.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Stortz John & Son, 210 Vine, Phila., Pa.
Union Metal Goods Co. (Box & Latch), Pawtucket, R. I.
Vaughan & Bushnell Mfg. Co. ("V. & B." Wood or Steel Handle), 2114 Carroll av, Chicago, Ill.
Wickwire Spencer Steel Corp. (Bale) 41 E 42nd, New York
See adv index at end of book
Zering H. Mfg. Co., B. & O. Ry & Hickory, Oakley, Cincinnati, O.
See adv index at end of book

Hooks (Crane)

See Hooks, Hoist

6331—Hooks (Crate & Basket)

Automatic Wire Goods Mfg. Co., 13-15 Canal pl., New York
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Holland Mfg. Co., Central av & Bank, Baltimore, Md.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Tichener-Diehl Co., 1844-48 W Austin av, Chicago, Ill.
Titchener E. H. & Co., 136 Walnut, Binghamton, N. Y.
Union Tool Co., H, Union Oil bldg, Torrance, Cal.
Whitman Metal Goods Co. (Basket), Whitman, Mass.
Wickwire Spencer Steel Corp. (Grape, "Eclipse"), 41 E 42nd, New York
See adv index at end of book

6331a— Hooks (Crochet)

Bogert & Hopper Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 Fifth av, New York *See adv index at end of book*

Hooks (Croquet)

See Croquet Sets

6331b—*Hooks (Cross Chain)

BRIDGEPORT CHAIN CO., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book

6332— Hooks (Desk)

Eagle Lock Co., Terryville, Conn.
Keystone Friction Hinge Co., Williamsport, Pa.
Sargent & Co., Water & Walce, New Haven, Conn.

6333— Hooks (Drapery)

Cuyahoga Spring Co., (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book
Turner & Seymour Mfg. Co., Torrington, Conn.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

Hooks (Draymans')

See Hooks, Cotton, Box, Hay, etc.

6334— Hooks (Drive)

Automatic Wire Goods Mfg. Co., 386 Canal pl, New York
Grabler Mfg. Co., Cleveland, O.
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

6334a—*Hooks (End Auto Side Chain)

Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book

6335— Hooks (Fire Pail)

Castle Jas. M., Inc., 1224 Arch, Phila., Pa.
Jencks E. Mfg. Co., 28 Union, Worcester, Mass.
Reading Hardware Co., Reading, Pa.
Safety Fire Extinguisher Co., 295 7th av., New York
Sargent & Co., Water & Walce, New Haven, Conn.
Stanley Wks., New Britain, Conn.
See adv index at end of book
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

6336— Hooks (Fish)

Abbey & Imbrie, 15 Warren, New York
Enterprise Mfg. Co. ("Pflueger"), Akron, Ohio
Henzel J. G. ("Henzel"), 4153 W. Van Buren, Chicago, Ill.
Lothrop L. D. & Son ("Arthur James" Imported), Gloucester, Mass.
Pardon Fish Hook Co., Owensboro, Ky.
Shakespeare Co., Kalamazoo, Mich.
Winchester Repeating Arms Co. (Winchester), New Haven, Conn.

6337— Hooks (Floor)

Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
Marine Hardware-Equipment Co., South Portland, Me.
Myers F. E. & Bro., 950 Orange, Ashland, Ohio
See adv index at end of book
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.

6338— Hooks (Gaff)

Bonafide Mfg. Co., Plymouth, Mich.
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Marine Hardware-Equipment Co., South Portland, Me.

Hooks (Gate)

See Hooks & Eyes, Gate.

6339— Hooks (Grab)

American Chain Co., 929 Connecticut, Bridgeport, Conn.
American Hoist & Derrick Co. (Forged Steel), St. Paul, Minn.
American Logging Tool Co., Evart, Mich.
Bonney Forge & Tool Wks., Telghman, Allentown, Pa.
Brunner & Lay (Hoisting & Stone Setters' Grabs), 570 W Polk, Chicago, Ill.
Carroll Chain Co., Columbus, O.
See adv index at end of book

(Continued on following page)

Hooks (Grab)—Continued

Channon Jas H. Mfg. Co. (Steel Hooks & Chains), 227 W Erie, Chicago, Ill.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Kropp Forge Co., 5301 Roosevelt rd, Chicago, Ill.
See adv index at end of book
SASGEN DERRICK CO. ("Sasgen" Stone Grabs & Chain), 3000 W Grand av, *See adv index at end of book*
Scranton Forging Co. (For Logging Grabs), 200 Green Ridge av, Scranton, Pa.
See adv index at end of book
Street J. D. & Co. ("Her-K-ules" Flexible Safety), 41st & Pk, St. Louis, Mo.
Terry & Trench Co., Inc (Hook & Chain), Grand Central Terminal, New York
United States Chain & Forging Co., (For Log Chains, etc.), Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Wallingford Mfg. Co. ("Borden's"), Wallingford, Vt.
Weimer Chain & Iron Co., Lebanon, Pa.
Woodhouse Chain Works, Trenton, N. J.

6340—Hooks (Grape Grubbing)

Munnsville Plow Co., Munnsville, N. Y.

6341— Hooks (Grapple)

American Logging Tool Co., Evart, Mich.
Brown Hoisting Machinery Co. (The), 4403 St Clair, N E, Cleveland, Ohio
See adv index at end of book
Browning Co., E. 162d & Waterloo rd N E, Cleveland, O.
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Industrial Works, 11th & Wash., Bay City, Mich.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Link-Belt Co., 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Warren Axe & Tool Co., Warren, Pa.

6342— Hooks (Grass)

American Axe & Tool Co., Glassport, Pa., & 253 B'way, New York
Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Baker Cutlery & Hardware Co. ("Trenton"), 101 Duane, New York
Columbian Cutlery Co., Reading, Pa.
Cronk & Carrier Mfg. Co., 150 Lake, Elmira, N. Y. *See adv index at end of book*
Dunn Edge Tool Co. ("Blue Ribbon," "Gypsy"), Oakland, Me.
Earle H. S. Mfg. Co. ("Little Giant") Ford bldg, Detroit, Mich.
Knickerbocker Mfg. Co. ("American," "New York"), Belleville, N. J.
North Wayne Tool Co. ("H. S. Earle's Little Giant"), Hallowell, Me.
Wadsworth David & Son, Auburn, N. Y
Wallingford Mfg. Co. ("Barden's," "Ideal," "Gem"), Wallingford, Vt.
Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.

6342a— Hooks (Guy)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

6343— Hooks (Hame)

Hager C. & Sons Hinge Mfg. Co. (Wrought Steel, Single & Double), St. Louis, Mo.

6344— Hooks (Hammock)

Arcade Mfg. Co. (Hand Forged), Freeport, Ill.
Brewer Bros. Co. (Wrought Iron), 2743 N 2nd, Philadelphia, Pa.
Brooks M. S. & Sons (Wrought), Chester, Conn.
Chain Products Co., 3924 Cooper av, Cleveland, O.
Corbin P. & F., New Britain, Conn.
Grey Iron Casting Co., Mt. Joy, Pa.
Jencks E. Mfg. Co. (Wrought), 28 Union, Worcester, Mass.
Landers, Frary & Clark, New Britain, Conn.
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Palmer L E. Co. (Adj.), Middletown, Conn.
Parker Wire Goods Co. (Wrought), Worcester, Mass.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., Water & Walce, New Haven, Conn.
Tie Co. ("Holdfast" Tying Device), Unadilla, N. Y.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Wilcox Crittenden & Co. Inc., 444 S Main, Middletown, Conn.
See adv index at end of book
Washburn Co. (Wire Goods Div.) (Wrought), 28 Union, Worcester, Mass.
Wire Hardware Co., 6126 S La Salle, Chicago, Ill.

6345— Hooks (Hanging)

Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.

6346— Hooks (Harness)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Arcade Mfg. Co. (Japanned), Freeport, Ill.
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Brooks M. S. & Sons, Chester, Conn.
Cheney S. & Son (Japanned), Manlius, N. Y.
Columbus-McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Corbin P. & F. ("Corbin"), Dept. H, New Britain, Conn.
Covert Mfg. Co., Troy, N. Y.
Elbel Co., Canton, O.
Frantz Mfg. Co., Sterling, Ill.
Grey Iron Casting Co., Mt. Joy, Pa.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Imperial Bit & Snap Co. ("Imperial," "Swan's," etc), Racine, Wis.
Jencks E. Mfg. Co. (Steel Mill), 28 Union, Worcester, Mass.
Klauer Mfg. Co., Dubuque, Ia.
Lawrence Bros. (Wrought Steel), Sterling, Ill.
Ney Mfg. Co., Canton, O.
North & Judd Mfg. Co. ("Anchor Brand"), New Britain, Conn.
Oliver Iron & Steel Co. (Hame Hooks), S 10th & Muriel, Pittsburgh, Pa.
Parker Wire Goods Co., Worcester, Mass.
Penn Hardware Co., Reading, Pa.
Pratt Wm. E. Mfg. Co. (Pratt's Handy"), 35 W Lake, Chicago, Ill.
Reading Hardware Co., Reading, Pa.
Rockford Steel Fixture Co., Rockford, Ill.
Rubber & Celluloid Product Co. ("Albright"), 56 Ferry, Newark, N. J.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., Water & Walce, New Haven, Conn.
Sharon Hdw. Mfg. Co. (All Steel Folding), Sharon, Pa.
SMITH F. P. WIRE & IRON WORKS, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Stimpson Edwin B. Co. (Pad), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Susquehanna Casting Co., Wrightsville, Pa.
Swett A. L. Iron Works, Medina, N. Y.
Weller Hdw. & Fdry. Co., Horseheads, N. Y.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Washburn Co. (Wire Goods Div.) (Wire), 28 Union, Worcester, Mass.
Wrightsville Hardware Co., Wrightsville, Pa.

6347— Hooks (Hitching)

Brewer Bros. Co. (Wrought Iron), 2nd & Somerset, Phila., Pa.

6348— Hooks (Hog)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.

6349— Hooks (Hoist)

Allegheny Forging Co., Keenan bldg., Pittsburgh, Pa.
American Chain Co., 929 Connecticut, Bridgeport, Conn.
American Forge & Mach. Co., 1425 Barth ct S W, Canton, Ohio
Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.
Bonney Forge & Tool Wks., Telghman, Allentown, Pa.
Cleveland City Forge & Iron Co. (Drop Forged), Cleveland, O.
Fischer & Hayes Rope & Steel Co., 816 W Erie, Chicago, Ill.
See adv index at end of book
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
GERDES & CO., 42 Church, New York
See adv index at end of book
Kropp Forge Co., 5301 Roosevelt rd, Chicago
See adv index at end of book
Ladish Drop Forge Co., Cudahy, Wis.
LAUGHLIN THOS. CO. ("Dirigo"), 135 Fore, Portland, Ore.
See adv index at end of book
Upson-Walton Co. (The), 1100 W 11th, Cleveland, Ohio
See adv index at end of book
Western Tool & Forge Co. (With Eye & Shank), Brackenridge, Pa.
Williams J. H. & Co. ("Vulcan" Drop Forged Weldless), 400 Vulcan, Buffalo, N. Y.

6350— Hooks (Hoof)

Osborne C. S. & Co., Box 183, Newark, N.J.
See adv index at end of book

6351— Hooks (Husking)

Boss Mfg. Co., Kewanee, Ill.
Clark R. F. Mfg. Co. ("Clark," "Corn King," "Corn Queen," "Huskit," "Mascot," Huskers Only), 702 N Halsted, Chicago, Ill.

6352— Hooks (Ice)

Amer. Fork & Hoe Co. (Steel), Swetland bldg, Cleveland, O.
Bonney Forge & Tool Wks., Telghman, Allentown, Pa.
Columbus Handle & Tool Co., Columbus, Ind.
GIFFORD-WOOD CO., Hudson, N. Y.
Gruman Ice Tool Works, Branchville, Conn.
Stortz John & Son, 210 Vine, Phila., Pa.

6353— Hooks (Insulated)

Brooks M. S. & Sons, Chester, Conn.
Cutter Geo. Co., South Bend, Ind.
DIAMOND EXPANSION BOLT CO. ("D-X," Bridle Rings), 39 West, New York *See adv index at end of book*
Line Material Co., So. Milwaukee, Wis.
Pettingell-Andrews Co. ("O'Neill"), 511 Atlantic, Boston, Mass.

Hooks (Jack)

See Hooks, Screw, Cup, etc

6354-5— Hooks (Ladder)

Auer John Jr. (Wrought Steel, also Step Ladder), 197 Middleton, Brooklyn, N. Y.
Marine Hardware-Equipment Co., South Portland, Maine
Moulton C. W. H. Co., Somerville, Mass.
Taplin Mfg. Co., New Britain, Conn.
Tilley John S. Ladders Co., Watervliet, N. Y.

Hooks (Lamp)

See Hooks, Ceiling & Chandelier

Hooks (Lift)

See Lifts, Sash

6356-7— Hooks (Lime)

Emrich Phil (Galv. Steel Wire), 824 Main, Cincinnati, O.

6358—Hooks (Lug, Chain, Etc.)

See also Hooks, Lumbermen's
American Logging Tool Co., Evart, Mich.
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Carroll Chain Co., Columbus, O.
See adv index at end of book
Ransome Concrete Machinery Co. (Or Timber Carriers), Dunellen, N. J.
Warren Axe & Tool Co., Warren, Pa.

6359—Hooks (Lumbermen's)

American Chain Co., 929 Connecticut, Bridgeport, Conn.
American Logging Tool Co., Evart, Mich.
Bacon & Matheson Forge Co., W Lander & Whatcom, Seattle, Wash.
Channon Jas. H. Mfg. Co. (Carrying), 227 W Erie, Chicago, Ill.
Lufkin Foundry & Machine Co. ("Martin," Log Loading), Lufkin, Texas
Marine Hardware-Equipment Co., South Portland, Maine
Ransome Concrete Machine Co. (Lug, Grappling, Swamp, etc.), Dunellen, N. J.
SASGEN DERRICK CO. (Grappling or Log Hooks), 3000 W Grand av, Chicago, Ill.
See adv index at end of book
Taylor E. L. & Co., 71 First, Portland, Ore.
Warren Axe & Tool Co. (Lug, Grapple, Swamp, etc), Warren Pa.
Young Iron Works, 2951 1st av S, Seattle, Wash.

6360— Hooks (Meat)

Auer John Jr., 197 Middleton, Brooklyn, N. Y.
Brecht Co., 1201 Cass av, St. Louis, Mo.
Brewer Bros. Co. (Wrought), 2743 N 2d, Philadelphia, Pa.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Cuyahoga Spring Co., (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book
Duffy Mfg. Co., 214 W Grand av, Chicago, Ill.
Enterprise Mfg. Co. of Pa. (Detachable), 3d & Dauphin, Phila., Pa.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Hill C. V. & Co., 360H Pennington, Trenton, N. J.
Jencks E. Mfg. Co. (Wrought), 28 Union, Worcester, Mass.
Landers, Frary & Clark, New Britain, Conn.
Nat'l Refrigerator Co. (also Racks), 827 Koeln av, St. Louis, Mo.
Oakland Refrigerator & Butchers Supply Co., 1616 E 12th, Oakland, Cal.
Parker Wire Goods Co. (Wrought Drive & Screw), Worcester, Mass.
Pittsburg Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Sargent & Co., Water & Walce, New Haven, Conn.

Tichener-Diehl Co., 1844-48 W Austin av, Chicago, Ill.
Vaughan & Bushnell Mfg. Co. ("V. & B." Steel), 2114 Carroll av, Chicago, Ill.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Washburn Company (Wire Goods Div.) (Wrought), 28 Union, Worcester, Mass.

6361— Hooks (Mine Car)

Weimer Chain & Iron Co., Lebanon, Pa.

6362— Hooks (Mud)

Elbel Mfg. Co. (For Auto Tires), Dept. H, 826 Mulberry rd, Canton, O.
Gemco Mfg. Co. ("Emergency" for Pneumatic Auto Tires), Milwaukee, Wis.

6363— Hooks (Packing)

Bonney Forge & Tool Wrks., Telghman, Allentown, Pa.
Eagle Tool Works, Bayonne, N. J.
Michel & Pfeffer Iron Works, 1417 Harrison, San Francisco, Cal.
Mound Tool Co., 1203 S 7th, St. Louis, Mo.
Strong Machinery & Supply Co. ("Lightning" & Improved Old Style), 292-294 Church, New York
See adv index at end of book

Hooks (Pail)

See Hooks, Fire Pail

6363a—*Hooks (Paint Pot)

Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Cuyahoga Spring Co., (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book

6364— Hooks (Picture)

American Ring Co., Waterbury, Conn.
Auer John Jr. (Wrought), 197 Middleton, Brooklyn, N. Y.
Austin & Smith Co., 164 Brewery, New Haven, Conn.
See adv index at end of book
Brewer Bros. Co. (Wrought Iron), 2743 N 2d, Philadelphia, Pa.
Brooks M. S. & Sons (Also Brass Tassel Hooks, etc), Chester, Conn.
Forsyth Metal Goods Co. ("Uncle Sam," "Beauty," "Big Giant," "Orient"), E Aurora, N. Y.
Hampden Mfg. Co. ("Hampden Hang-Ons" & "Hang-Ups"), 17 Warren, New York
HENDRYX A. B. CO., 86 Audobon, New Haven, Conn. *See adv index at end of book*
Jencks E. Mfg Co., 28 Union, Worcester, Mass.
Judd H. L. Co., 87 Chambers, New York
Moore Push Pin Co. H., 133 Berkly, Phila., Pa.
Novelty Mfg. Co., Waterbury, Conn.
Parker Wire Goods Co. ("Franklin" Solid Brass, etc), Worcester, Mass.
Richards Benj. & Co., Winsted, Conn.
Sargent & Co., Water & Walce, New Haven, Conn.
Turner & Seymour Mfg. Co., Torrington, Conn.
Turner & Stanton Co. (Brass & Steel), Norwich, Conn.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Williamson C. T. Wire Novelty Co., Badger av, Newark, N. J.
Washburn Co. (Wire Goods Div.) (Brass, etc), 28 Union, Worcester, Mass.

6365— Hooks (Pipe)

See also Hangers, Pipe
Auer Jno Jr. (Wrought Drive for Gas or Soil Pipe), 197 Middleton, Brooklyn, N. Y.
Beaton & Cadwell Mfg. Co. ("Perfection Handy"), New Britain, Conn.
Berger Bros. Co., 229 Arch, Phila, Pa.
Brewer Bros. Co. (Wrought Iron), 2743 N 2d, Philadelphia, Pa.
Casey-Hedges Co. ("Chattanoogan"), 25th & Chestnut, Chattanooga, Tenn.
Central Foundry Co., 90 West, New York
Chicago Expansion Bolt Co., 5 S Clinton, Chicago, Ill.
Crane Co., 836 S. Michigan av, Chicago, Ill.
See adv index at end of book
Devlin Thos. Mfg. Co. ("Eclipse"), 3d & Lehigh av, Phila., Pa.
Fee & Mason, 81 Beekman, New York
General Fire Extinguisher Co., Providence, R. I.
Grabler Mfg. Co. (Steel), Cleveland, O.
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
Hammann Wm. ("O. K." Flashing), 1057 5th, Milwaukee, Wis.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Lange August K., 606 E 15th, New York
Leibfried C. H. (Leader & Soil Pipe), 97 Guernsey, Brooklyn, N. Y.
Malleable Iron Fittings Co. ("M. I. F. Co."), Branford, Conn.
Mott J. L. Iron Works, Trenton, N. J.
Newbury Mfg. Co., Monroe, N. Y.
New England Bolt Co. (Pipe Hooks), Everett, Mass.
Regan Forge & Engineering Co. ("Wigle"), San Pedro, Cal.
Reznor Mfg. Co., Mercer, Pa.
Sargent & Co., New Haven, Conn.
Walforth Mfg. Co., Boston, Mass.

6366— Hooks (Pivot)

Grey Iron Casting Co., Mt. Joy, Pa.

6367— Hooks (Platers')

(Names with * also manufacture Monel Metal)
*Dixon Forge & Supply Co., 3301 Penn av, Pittsburgh, Pa.
INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Schaefer Co. Emil, 1320 N 5th, Philadelphia, Pa.
*Sholes Inc., 186 Lafayette, New York
*Steel Products Mfg. Co., Cicero, Ill.

6368—Hooks (Plumbers' Pot)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.

6369—Hooks (Pole, Fire Department)

Ransome Concrete Machinery Co., Dunellen, N. J.

6370—Hooks (Potato, Manure, Etc.)

American Fork & Hoe Co. ("True Temper"), Swetland bldg, Cleveland, O.
Kohler F. E. Co. (Potato), Canton, O.
Mountville Mfg. Co., Mountville, Pa.
Union Fork & Hoe Co., Columbus, O.
Wallingford Mfg. Co. ("Hall" Potato), Wallingford, Vt.

6371— Hooks (Pulley)

Marine Hardware Equipment Co., South Portland, Maine.
Myers F. E. & Bro., 950 Orange, Ashland, Ohio
See adv index at end of book

6372— Hooks (Razor Strop)

Autoyre Co. ("Maid-En-White" Enamel & Nickel Plated), Dept. H, Oakville, Conn.
Cassady, Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Central Specialty Mfg. Co., 404 S Kolmar, Chicago, Ill.
Peck C. A. Hardware Co. ("Presto"), Berlin, Wis.
Res Mfg. Co., 2907 Meinecke av, Milwaukee, Wis.
Russell & Erwin Mfg. Co. ("Russwin"), New Britain, Conn.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

6373—Hooks (Releasing, Life Boat)

Kahnweiler's David Sons ("Wicks"), 20 Dover, New York
Steward Davit & Equipment Corp., 17 Battery pl., New York

6374—Hooks ("S" or "Eight")

Auer John Jr. (Wrought), 197 Middleton, Brooklyn, N. Y.
Austin & Smith Co., 164 Brewery, New Haven, Conn.
See adv index at end of book
Automatic Wire Goods Mfg. Co., 386 Canal pl, New York
Bonney Forge & Tool Wrks., Telghman, Allentown, Pa.
Brewer Bros. Co. (Wrought Iron), 2743 N 2d, Philadelphia, Pa.
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Brooks M. S. & Sons (Iron or Brass Wire), Chester, Conn.
Chain Products Co., 3924 Cooper, Cleveland, O.
Cuyahoga Spring Co., (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Hager C. & Sons, Hinge Mfg. Co. (Wrought Steel), St. Louis, Mo.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Jencks E. Mfg. Co. (Brass & Bright Wire), 28 Union, Worcester, Mass.
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Oneida Chain Co., Oneida, N. Y.
Parker Wire Goods Co. (Wire & Wrought) Worcester, Mass.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Sargent & Co., Water & Walce, New Haven, Conn.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Smith Hardware Co., 81 Clay, Newark, N. J.
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Turner & Seymour Mfg. Co., Torrington, Conn.
Wickwire Spencer Steel Corp. ("Eclipse"), 41 E 42nd, New York
See adv index at end of book
Wilcox Crittenden & Co., Inc., 444 S Main, Middletown, Conn.
See adv index at end of book
Washburn Co. (Wire Goods Div.), 28 Union, Worcester, Mass.

6375—Hooks (Safety, for Mine Cages)

Allis Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, O.

6376—Hooks (Sash Curtain Rod)

Jencks E. Mfg. Co. (Brass Plated, etc), 28 Union, Worcester, Mass.
Parker Wire Goods Co. (Brass Plated Wire), 149 Washington, Worcester, Mass.

6377— Hooks (Sash Pull)

Ives H. B. Co., New Haven, Conn.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.

Hooks (School House)

See Hooks, Coat & Hat

6378—Hooks (Screw, Cup, Etc.)

Automatic Wire Goods Mfg. Co., 386 Canal pl, New York
Bridgeport Coach Lace Co. (Dealers), 813H Wood av, Bridgeport, Conn.
Brooks M. S. & Sons (Iron & Brass Wire), Chester, Conn.
Grey Iron Casting Co., Mt. Joy, Pa.
Hager C. & Sons Hinge Mfg. Co. (Wrought Steel), St. Louis, Mo.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Hindley Mfg. Co. (Brass & Bright Wire), Valley Falls, R. I.
Jencks E. Mfg. Co. (Brass & Bright Wire, Open Screw, Strap & Hook & Single & Double Jointed), 28 Union, Worcester, Mass.
Landers, Frary & Clark, New Britain, Conn.
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Lawrence Bros. (Wrought Steel), Sterling, Ill.
Marine Hardware-Equipment Co., South Portland, Maine
Parker Wire Goods Co. (Bright Wire & Brass), Worcester, Mass.
Pittsburgh Knife & Forge Co. (Forged), Ridge & Chateau, Pittsburgh, Pa.
Richards Benj. & Co., Winsted, Conn.
Sargent & Co., Water & Walce, New Haven, Conn.
Stanley Wks., New Britain, Conn.
See adv index at end of book
Turner & Seymour Mfg. Co. (Cup), Torrington, Conn.
Turner & Stanton Co., Norwich, Conn.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Wilcox Crittenden & Co., Inc., 444 S Main, Middletown, Conn.
See adv index at end of book
Williamson C. T. Wire Novelty Co. (Wire), Badger av, Newark, N. J.
Washburn Co. (Wire Goods Div.) (Bright Wire & Brass Wire), 28 Union, Worcester, Mass.
Wire Hardware Co. (Bright & Brass), 6126 S La Salle, Chicago, Ill.

6379— Hooks (Seat Spring)

American Mfg. Co. (Wagon), Chestnut & Water, Chattanooga, Tenn.
Harvey Spring & Forging Co., Racine, Wis.
St. Louis Hardware Mfg. Co., 1509 W 18th, St. Louis, Mo.

6380—Hooks (Shackle, Chain, Etc.)

Bethlehem Steel Co., Bethlehem, Pa.
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Cleveland Block Co., 1173 W 11th, Cleveland, O.
Columbus Anvil & Forging Co., Columbus, Ohio
Fischer & Hayes Rope & Steel Co., 816 W Erie, Chicago, Ill.
See adv index at end of book
Gerdes & Co. (Chain), 42 Church, New York. *See adv index at end of book*
Krein Chain Co., Wapakoneta, O.
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
McMillan's W. H. Sons, 153 South, New York
Marine Hardware Equipment Co., South Portland, Maine
Weimer Chain & Iron Co., Lebanon, Pa.

6381— Hooks (Shave)

Bissell F. Co. ("Security"), Toledo, Ohio
Buhrke R. H. Co., 1250H Fullerton av, Chicago, Ill.
Osborne C. S. & Co., Box 183, Newark, N. J.
See adv index at end of book
Sayre L. A. Co., 332 Mulberry, Newark, N. J.

6382— Hooks (Sign)

Auer John Jr. (Wrought Sign or Jam), 197 Middleton, Brooklyn, N. Y.
Brewer Bros. Co. (Wrought Iron), 2743 N 2d, Philadelphia, Pa.
Hager C. & Sons Hinge Mfg. Co. (Wrought Steel), St. Louis, Mo.

Hooks (Singletree)

See Hooks, Whiffletree

6383— Hooks (Slip)

Bonney Forge & Tool Wrks., Telghman, Allentown, Pa.
Carroll Chain Co., Columbus, O.
See adv index at end of book
Weimer Chain & Iron Co., Lebanon, Pa.

6384— Hooks (Snap)

Draper & Hall Co. ("Hayes" Lock), Middletown, Conn.
East Bangor Mfg. Co., Bangor, Pa.
Hayward S. F. & Co. (Fire Dept.), 250 W 54th, New York
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Sargent & Co. (Rings for Signal Hooks), Water & Walce, New Haven, Conn.
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Wilson Robert P. (Double Ball-Bearing), 320 Market, Newark, N. J.

6385— Hooks (Stable Door)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.

6386— Hooks (Stay Chain)

American Chain Co., 929 Connecticut, Bridgeport, Conn.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.

6387— Hooks (Stone Hoist)

Weimer Chain & Iron Co., Lebanon, Pa.

6388— Hooks (Strap)

Jencks E. Mfg. Co., 28 Union, Worcester, Mass.
Parker Wire Goods Co. (Single & Double Jointed & Screw, etc, Wire), Worcester, Mass.

6389— Hooks (Swamp)

American Logging Tool Co., Evart, Mich.

6390— Hooks (Sweat Pad)

Thomson Judson L. Mfg. Co., Waltham, Mass.

6391— Hooks (Switch)

Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.

6392— Hooks (Swivel)

American Logging Tool Co. (Evener), Evart, Mich.
Bacon & Matheson Forge Co., 17H W. Lander, Seattle, Wash.
Fischer & Hayes Rope & Steel Co., 816 W Erie, Chicago, Ill.
See adv index at end of book
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Marine Hardware Equipment Co., South Portland, Maine.
Ransome Concrete Machinery Co. (Hooks & Rings), Dunellen, N. J.
Weimer Chain & Iron Co., Lebanon, Pa.
Wilcox Crittendan & Co. Inc. (Drop Forged), 444 S Main, Middletown, Conn. *See adv index at end of book*

6393— Hooks ("T")

Austin & Smith Co., 164 Brewery, New Haven, Conn.
See adv index at end of book
Automatic Wire Goods Mfg. Co., 386 Canal pl, New York
Hager C. & Sons Hinge Mfg. Co. (Wrought Steel), St. Louis, Mo.
Jencks E. Mfg. Co., 28 Union, Worcester, Mass.
Parker Wire Goods Co. (Plain & Bend Wire), Worcester, Mass.

6394— Hooks (Tag)

Cuyahoga Spring Co., (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book
Regan Forge & Engineering Co. ("Wigle"), San Pedro, Cal.
Roeblings John & Sons Co., Trenton, N. J.
See adv index at end of book
Titchener E. H. & Co., Binghamton, N. Y.
Wickwire Spencer Steel Corp. ("Eclipse"), 41 E 42nd, New York
See adv index at end of book

6395-6—Hooks (Tanners' Vat)

Emrich Phil, 824 Main, Cincinnati, O.

Hooks (Tassel)

See Hooks, Picture

6397— Hooks (Tower)

Dent Hardware Co., Fullerton, Pa.

6398— Hooks (Towing)

Leetonia Tool Co. The, Leetonia, O.

6399—Hooks (Tubing or Casing)

Oil Well Supply Co. (Oil & Gas Well), 215 Water, Pittsburgh, Pa.
Union Tool Co. (For Oil or Gas Wells), Union Oil bldg, Torrance, Cal.

6400— Hooks (Tug)

Frazer & Jones Co., Syracuse, N. Y.
North & Judd Mfg. Co. ("Hercules," etc), New Britain, Conn.

6400a—*Hooks (Typewriter Ribbon)

STIMPSON EDWIN B. CO., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book

6400b—Hooks (Underground)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

6401-2— Hooks (Wall)

Hampden Mfg. Co. ("Hang-Up"), 17 Warren, New York

Hooks (Wardrobe)

See Hooks, Coat & Hat Cast, Also Hooks, Coat & Hat Wire

6403— Hooks (Weeding)

See also Weeders, Garden & Lawn

Arcade Mfg. Co., Freeport, Ill.
Gray Iron Foundry Co., Reading, Pa.
Harry Bros. Co., Carrolton & I. C. R. R., New Orleans, La.
Hills Edwin, Plainville, Conn.
Kohler F. E. Co., Canton, O.
Potter Mfg. Co. ("Secor's," "Excelsior," Fire Prong & Diamond Pattern), Geneva, O.
Reading Saddle & Mfg. Co. (Malleable Iron, Enameled Handle), Reading, Pa.
Rocky Hill Hardware Co., Rocky Hill, Conn.
Von Phul Gilbert D., Hibernia Bk bldg., New Orleans, La.

6404— Hooks (Whiffletree)

Giblin & Co. ("Premium"), Utica, N. Y.
Harvey Spring & Forging Co., Racine, Wis.
Keystone Forging Co. (Drop Forged), Northumberland, Pa.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
Racine General Mfg. Co. (Jobbers), Racine, Wis.

6405—Hooks (Window Pole)

Western Brass Mfg. Works (Brass & Bronze), Marshall blvd & W 21st, Chicago, Ill.

6406— Hooks (Wire)

Austin & Smith Co., 164 Brewery, New Haven, Conn.
Automatic Wire Goods Mfg. Co., 386 Canal pl, New York
Brooks M. S. & Sons (All Kinds, Brass & Iron), Chester, Conn.
CUYAHOGA SPRING CO., (THE), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book
Eastern Tool & Mfg. Co., Bloomfield av, Bloomfield, N. J.
Fischer Chas. Spring Co., 240 Kent av, Brooklyn, N. Y.
Grammes L. F. & Sons (For Various Purposes), 311 Union, Allentown, Pa.
See adv index at end of book
Hamblin & Russell Mfg. Co., Worcester, Mass.
Jencks E. Mfg. Co., 28 Union, Worcester, Mass.
Merritt F. M. ("Merritt" Grape Basket), Penn Yan, N. Y.
Parker Wire Goods Co., 149 Washington, Worcester, Mass.
Sargent & Co., Water & Walce, New Haven, Conn.
Stimpson Edwin B. Co. (All Kinds), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Titchener E. H. & Co., 136 Walnut, Binghamton, N. Y.
Wickwire Spencer Steel Corp. ("Eclipse"), 41 E 42nd, New York
See adv index at end of book

6407— Hooks (Wire Rope)

Fischer & Hayes Rope & Steel Co., 816 W Erie, Chicago, Ill.
See adv index at end of book
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Marine Hardware Equipment Co., South Portland, Maine
ROEBLING'S JOHN A. SONS CO., Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book
Williams J. H. & Co. ("Vulcan" Drop Forged), 400 Vulcan, Buffalo, N. Y.

6408— Hooks (Wrecking)

National Malleable Castings Co. ("Goodman"), 7706 Platt av, S. E., Cleveland, O.

6409—Hooks & Eyes (Brace)

Brewer Bros. Co. (Wrought Iron), 2743 N 2d, Philadelphia, Pa.

6410—Hooks & Eyes (Brass & Steel)

American Pin Co. ("Ampinco"), Waterbury, Conn.
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
Jencks E. Mfg. Co., 28 Union, Worcester, Mass.
Parker Wire Goods Co. (Bright Wire), 149 Washington, Worcester, Mass.
Reading Brass Wks. Inc. (Brass), Reading, Pa.
Sargent & Co., Water & Walce, New Haven, Conn.
Wickwire Spencer Steel Corp., 41 E 42nd, New York
See adv index at end of book
Washburn Co. (Wire Goods Div.), 28 Union, Worcester, Mass.

6411—Hooks & Eyes (Dress)

American Pin Co. ("Ampinco"), Waterbury, Conn.
Cassady Fairbank Mfg. Co. ("Ried"), 6126 S La Salle, Chicago, Ill.
De Long Hook & Eye Co., 21st & Clearfield, Phila., Pa.
Francis Mfg. Co., Niagara Falls, N. Y.
Hughes Mfg. Co., Rome, N. Y.
Star Pin Co., Derby, Conn.
Sterling Pin Co., Derby, Conn.
U. S. A. Co., Shelton, Conn.
West Electric Hair Curler Co., Hancock & Columbia, Phila., Pa.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

6412—Hooks & Eyes (Gate)

Brooks M. S. & Sons, Chester, Conn.
Buffum Tool Co. ("Swastika," Self-Locking), South Side, Louisiana, Mo.
Covert Mfg. Co., Troy, N. Y.
Covert Saddlery Works (Hooks & Staples), Interlaken, N. Y.
Hamblin & Russell Mfg. Co., 28 Water, Worcester, Mass.
Jencks E. Mfg. Co. (Brass & Bright Wire, etc), 28 Union, Worcester, Mass.
Landers, Frary & Clark, New Britain, Conn.
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
Parker Wire Goods Co. (Bright & Brass Wire), Worcester, Mass.
Sargent & Co., Water & Walce, New Haven, Conn.
Wagner Mfg. Co. (Bright Wire), Cedar Falls, Ia.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Washburn Co. (Wire Goods Div.), 28 Union, Worcester, Mass.

6413—Hooks & Eyes (Tent)

Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Wilcox, Crittenden & Co., Inc. (Brass), 444 S Main, Middletown, Conn.
See adv index at end of book

6414—Hooks & Eyes (Wire)

Cuyahoga Spring Co., (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book
Hamblin & Russell Mfg. Co., Worcester, Mass.
Jencks E. Mfg. Co. (Brass & Bright Wire), 28 Union, Worcester, Mass.
Parker Wire Goods Co. (Bright), Worcester, Mass.
Sargent & Co., Water & Walce, New Haven, Conn.
Sterling Pin Co., Derby, Conn.
Wagner Mfg. Co. (Bright), Cedar Falls, Iowa

Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Washburn Co. (Wire Goods Div.) (Bright), 28 Union, Worcester, Mass.

6415—Hooks & Rings (Plate)

Crane Co., 836 S. Michigan av, Chicago, Ill. *See adv index at end of book*
Glenn Mfg. Co., St. Charles, Ill.
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Port Engineering Wks. ("Bull Dog"), 411 Van Brunt, Bklyn, N. Y.
Wilcox Crittenden & Co. Inc., 444 S Main, Middletown, Conn. *See adv index at end of book*

6416—Hooks & Staples (Wrought Steel)

Landers, Frary & Clark, New Britain, Conn.
LARKIN & CO. J. K., 253 Broadway, New York *See adv index at end of book*
Lawrence Bros., Sterling, Ill.
McKinney Mfg. Co., Liverpool & Metropolitan, Pittsburgh, Pa.
National Mfg. Co., Sterling, Ill.
Sargent & Co., Water & Walce, New Haven, Conn.
Stanley Works, New Britain, Conn. *See adv index at end of book*
Starke Adolph (Est. of), Columbia & Signourney, Brooklyn, N. Y.

6417—Hooks & Tees (Chain)

Penn Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.

6417a— *Hoop Fasteners

Townsend Co., New Brighton, Pa. *See adv index at end of book*

6418— Hoops (Coiled Elm)

Adams D. L., Portland, Ind.
American Cooperage Co., Helena, Ark.
Auglaize Cooperage & Lbr. Co., Minster, O.
Decatur Hoop & Lumber Co., Decatur, Mich.
Des Arc Hoop & Lumber Co., Des Arc, Ark.
Dyersburg Hoop Co., Dyersburg, Tenn.
Michigan Hoop & Stave Co., Marinette, Wis.
Morrison W. E., Poplar Bluff, Mo.
Rex Hoop, Stave & Heading Co., Helena, Ark.
Sheline E. R. & Son, Edon, O.
Smith M. C., Moorhead, Miss.
Standard Hoop Co., Ltd., Bay City, Mich.
Struthers Cooperage Co., Romeo, Mich.
Tennessee Hoop Co., Waterworks av, Memphis, Tenn.
Union City Hoop & Lumber Co., Union City, Ind.
Wylie & Wilson, Saginaw, Mich.

6418a— Hoops (Embroidery)

Bogert & Hopper Inc. (Wood), 57 Barclay, New York ***See adv index at end of book***
Embro Manufacturing Co. ("Adjusto" & "Embro"), Canton, Ohio
Estes E. B. & Sons, 364 5th av, New York ***See adv index at end of book***
Gibbs Mfg. Co., Canton, Ohio

6419— Hoops (Fish Net)

Smith G. W. & Son, Canterbury, Conn.

6420— Hoops (Mast)

Gloucester Block Co., Gloucester, Mass.
Laughlin Thos. Co. (Galvanized Wrought Iron & Wood), 135 Fore, Portland, Me. *See adv index at end of book*
McMillan's W. H. Sons, 153 South, New York
Moffitt J. D., Scotland, Conn.
New York Boat Oar Co., 100 Washington, New York

6420a— *Hoops (Rolling)

Estes E. B. & Sons, 364 5th av, New York ***See adv index at end of book***

6420b— *Hoops (Sieve)

Bogert & Hopper Inc., 57 Barclay, New York ***See adv index at end of book***
Estes E. B. & Sons, 364 5th av, New York ***See adv index at end of book***

6421— Hoops (Slack Barrel)

Acme Steel Goods Co., 2834 Archer av, Chicago, Ill.
Carnegie Steel Co. (Steel), Carnegie bldg, Pittsburgh, Pa.
Durand Hoop Co., Durand, Mich.
LARKIN & CO. J. K., 253 Broadway, New York *See adv index at end of book*
Sharon Steel Hoop Co., Dept. H, Sharon, Pa.

6421a—*Hoops (Tambourine)

Bogert & Hopper Inc. (Wood), 57 Barclay, New York ***See adv index at end of book***
Estes E. B. & Sons, 364 5th av, New York ***See adv index at end of book***

6421b—*Hoops (Toy Rolling)

Bogert & Hopper Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

6422— Hoops (Truss)

Brainerd J. W. Steel Co., (Butter Tub), Warren, Ohio
Cincinnati Truss Hoop Co. (Iron & Steel Barrel), 115 W 2d, Cincinnati, O.
Fort Wayne Iron Steel Rolling Mills, W Taylor, Ft. Wayne, Ind.
Freiinger J. G. Iron Works, 115 W 2d, Cincinnati, O.
Wabash Truss Hoop Co. ("Champion"), Mt. Carmel, Ill.

6423— Hoops (Tub, Iron)

Acme Steel Goods Co., 2834 Archer av, Chicago, Ill.
EAGLE TANK CO., 2443 N Crawford av, Chicago *See adv index at end of book*
Weed & Co. ("Ever-Ready") 95 Swan, Buffalo, N. Y.

6424— Hoops (Wire)

Acme Steel Goods Co., 2834 Archer av, Chicago, Ill.
American Mfg. Co., Chestnut & Water, Chattanooga, Tenn.
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill. *See adv index at end of book*
De Haven Mfg. Co. (Cold Rolled Steel), 50 Columbia Heights, Brooklyn, N. Y.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

6425—Hoops & Bands (Welded Steel)

Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
Electric Welding Co., Benedum Trees bldg, Pittsburgh, Pa.
Handlan-Buck Mfg. Co., 210 N 3d, St. Louis, Mo.
Mott Wheel Works, Jackson, Mich.
Standard Parts Co., Cleveland, O.

6425a—*Hopper Door Mechanism

WINE RAILWAY APPLIANCE CO., THE, (Freight Car), Toledo, O.

6425a—*Hoppers (Adjustable Measuring)

Blaw Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa. *See adv index at end of book*

6426—Hoppers (Ash, Cement & Coal)

American Bridge Co., 30 Church, New York
Bergen Point Iron Wks., Bayonne, N. J.
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa. *See adv index at end of book*
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, Ohio *See adv index at end of book*
Bremer W. A., 3612H S Alameda, Los Angeles, Cal.
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill. *See adv index at end of book*
Columbiana Boiler Co., Columbiana, O.
Connery & Co., Inc., 4000 N. 2nd, Phila., Pa. *See adv index at end of book*
Davis Norris K., (Concrete), 400 7th, San Francisco, Cal.
DOVER BOILER WORKS, Sales Office; **40 Church, New York; Works: Dover, N. J.** *See adv index at end of book*
Dutwiler Mfg. Co. (Concrete), 2437 E 23d, Los Angeles, Cal.
Hammond Iron Wks., Warren, Pa. *See adv index at end of book*
HELTZEL STEEL FORM & IRON CO., THE, Warren, O. *See adv index at end of book*

STEEL PLATE CONSTRUCTION
THE HELTZEL STEEL FORM & IRON CO.
WARREN, OHIO

Horton Steel Works, Ltd., 118 Janet, Bridgebury, Ont, Can.
Kansas City Structural Steel Co. (Clement), 114 W 10th, Kansas City, Mo.
Lakeside Bridge & Steel Co., 402 Willard av, N. Milwaukee, Wis.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Littleford Bros., 444 E Pearl, Cincinnati, O. *See adv index at end of book*
Michel & Pfeffer Iron Works (Concrete), 1417 Harrison, San Francisco, Cal.
Mitchell-Tappen Co., 15 John, New York
Munroe R. & Sons Mfg. Corp., 23d & Smallman, Pittsburgh, Pa.
Nelson N. P. Iron Works, 216 40th, Brooklyn, N. Y.
New York Central Iron Works Co., Inc., Dept H, Hagerstown, Md.
Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.
Phoenix Iron Wks. Co., Meadville, Pa.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg., Pittsburgh, Pa. *See adv index at end of book*
Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.
Sykes Co., 2600 W 58th, Chicago, Ill.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Youngstown Boiler & Tank Co., 1054 Mahoning av, Youngstown, O.

6427—*Hoppers (Car Closet)

DUNER CO., 101 S Clinton, Chicago, Ill. *See adv index at end of book*

6428— Hoppers (Closet)

Bellmark Co. (Porcelain), Trenton, N. J.
Camden Pottery Co. (Porcelain), Camden, N. J.
Duner Co., 101 S Clinton, Chicago, Ill. *See adv index at end of book*
Indiana Hollow Ware Co. (Enameled), Jeffersonville, Ind.
Jones Hollow Ware Co. (Porcelain Enameled), 1012 Ashland av, Baltimore, Md.
Maddock's Thos. Sons (Porcelain & Vitreous China), Trenton, N. J.
Monument Pottery Co. (Vitreons), Trenton, N. J.
N. J. China Pottery Co., Trenton, N. J.
Resolute Pottery Co. (Porcelain), Trenton, N. J.
Standard Sanitary Mfg. Co. (Porcelain Enameled), H Bessemer bldg, Pittsburgh, Pa.
Trenton Potteries Co. (Porcelain), Trenton, N. J.
Wheeling Sanitary Mfg. Co. (Porcelain & Vitreous China), Wheeling, W. Va.

6428a— Hoppers (Floor)

Lakewood Engineering Co., Cleveland, O.

6429—Hoppers for Power Plants

Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill. *See adv index at end of book*
Connery & Co., Inc., 4000 N. 2nd, Phila., Pa. *See adv index at end of book*
Hamler Boiler & Tank Co., Dept H, W. 66th & S. 60th av, Chicago, Ill.
Horton Steel Works, Ltd., 118 Janet, Bridgebury, Ont., Can.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Littleford Bros., 444 E Pearl, Cincinnati, Ohio *See adv index at end of book*
McNamara Bros. Co., Westport, Baltimore, Md.
Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.
Phoenix Iron Works, Meadville, Pa.
Pollock Wm. B. Co. (Large Capacity), Youngstown, O.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.

Hoppers (Grain)

See Hoppers, Loading

6430— Hoppers (Loading)

Barnard & Leas Mfg. Co. (On Trucks, for Grain, etc), Moline, Ill.
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa. *See adv index at end of book*
Dodge Mfg. Corp., Mishawaka, Ind.
Graver Corp., 4020 Todd av, E, Chicago, Ind. *See adv index at end of book*
Insley Mfg. Co. (Portable & Controllable Car-Side for Sand & Gravel), 3500 E St. Clair, Indianapolis, Ind.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O. *See adv index at end of book*
Link-Belt Company, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Sprout Waldron & Co. (Grain), Muncy, Pa. *See adv index at end of book*
Stephens-Adamson Mfg. Co. ("S-A" Grain), Aurora, Ill.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. ***See adv index at end of book***

6430a— Hoppers (Receiving)

Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book

6430b— Hoppers (Steel)

Archer Iron Wks., 2436 W 34th pl, Chicago, Ill.
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, Ohio
See adv index at end of book
Chicago Bridge & Iron Wks., 2105 Transportation bldg, Chicago, Ill.
See adv index at end of book
Johnson & Thompson, 2716 N 26th, Birmingham, Ala.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Littleford Bros., 444 E Pearl, Cincinnati, O. *See adv index at end of book*
New York Central Iron Works Co. Inc., Hagerstown, Md.
Phoenix Iron Works Co., Meadville, Pa.
Pittsburgh-Des Moines Steel Co., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.

6431— Hoppers (Weighing)

Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
Holmes Robt & Bros. (Coal), Danville, Ill. *See adv index at end of book*
Link-Belt Company, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Pratt Engineering & Machine Co. (Dust), Atlanta, Ga.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

6432—Hoppers & Bells (Furnace)

Marshall Foundry Co., 28th & R. R., Pittsburgh, Pa.
Weimer Machine Works Co., Lebanon, Pa.

6433— Horns (Automobile)

Adams-Bagnall Electric Co. ("A. B. Trumpet"), Platt av, Cleveland, O.
American Electric Co. ("Samson" Automobile Motorcycle & Motorboat, Electric & Hand Operated), 6401 S State, Chicago, Ill.
Auto Metal Products Co. ("Paramount," "Ryt-O-Way," Mechanical), 432 E 71st, New York
Automobile Supply Mfg. Co. ("Newtone," "Rubes," "Electra," "Apollo," Electric), 696 Myrtle, Brooklyn, N. Y.
Barco Brass & Joint Co. (Exhaust), 212 W Illinois, Chicago, Ill.
Buell Mfg. Co. ("Buell"), Cottage Grove, at 30th, Chicago, Ill.
Electric Horn & Specialty Co. ("Oneida" Electric), Utica, N. Y.
Fitzgerald Mfg. Co. ("Clero" Electric), Torrington, Conn.
Flanders Co. ("Flanders" Electric), Owen bldg, Detroit, Mich.
Fowler Lamp & Mfg. Co. ("Fowler" All Metal Horn & Whistle Blower), 59 E 24th, Chicago, Ill.
Fulton Co. ("Aermore" Exhaust), 742 75th av, Milwaukee, Wis.
Gabriel Mfg. Co., 1407 E 40th, Cleveland, O.
Garford Mfg. Co. ("Rexo" Electric, Hand & Motor Horns, Elyria, O.
General Phonograph Mfg. Co. ("Rexo" Electric Hand & Motor Horns), Elyria, Ohio
Heinze Electric Co. (Mechanical), Lowell, Mass.
Interstate Mach. Prods. Co., Inc. (Fire), 56 Allen, Rochester, N. Y.
Kent Atwater Mfg. Works ("Monoplex" Electric), 4937 Stenton, Phila., Pa.
Klaxon Co. ("Klaxon"), Bloomfield av, Newark, N. J.
Miller Chas. E. (Imp), 97 Reade, New York
North East Elec. Co., Rochester, N. Y.
Novelty Mfg. Co. ("Novelco"), Waterbury, Conn.
Persons Majestic Mfg. Co. (Bicycle), 54-72 Commercial, Worcester, Mass.
Piel G. Co. ("Long"), 29 13th, Long Island City, N. Y.
Post & Lester Co. ("Voller"), 112 Allyn, Hartford, Conn.
Premier Electric Co. ("Repello," "Hi-Lo" Electric), 1122 S Wabash av, Chicago, Ill.
Randall-Faichney Co. ("Jubilee," "Jericho"), Boston, Mass.
Riley-Klotz Mfg. Co. (Also Bicycle, Tricycle, etc), 17 Mulberry, Newark, N. J.
Russell Electric Co. ("Saxon," "Russell-Hammer," "Treco," Electric), Danbury, Conn.
Sears-Cross Co. ("Thunder"), 37th & 14th, Brooklyn, N. Y.
Seiss Mfg. Co. ("Seiss" Bicycle & Motorcycle), Phillips av & N. Y. C. R. R., Toledo, Ohio
Sireno Co. (Electric), Staten Island, 75 Clinton, New York
Sparks-Withington Co. ("Sparton" Electric), Jackson, Mich.
Standard Metal Mfg. Co. ("Cygnet"), 237 Chestnut, Newark, N. J.
Stewart-Warner Speedometer Corp. (Hand & Motor Driven), 1826 Diversey Parkway, Chicago, Ill.
Superior Lamp Mfg. Co. (Electric), 136 W 52d, New York
Talking Horn Co. (Mechanical), Middletown, N. Y.
Troy Auto Specialty Co. ("Exo"), Troy, N. Y.
Typhoon Signal Co. (Electric), 20 Chicago, Lincoln, Ill.
Warner Electric Co. (Electric), Muncie, Ind.

Horns (Bicycle)

See Horns, Automobile

6434— Horns (Cattle)

Wilson & Co., Union Stock Yards, Chicago, Ill.

6435— Horns (Dinner)

Central Stamping Co., 206 B'way, New York
Klaxon Co. ("Klaxon"), Bloomfield av, Newark, N. J.
National Enameling & Stamping Co., 411 5th av, New York

6436— Horns (Electrical)

Auto Metal Products Co. ("Paramount," "Ryt-O-Way," Motor Driven), 432 E 71st, New York
Benjamin Electric Mfg. Co. 120 S Sangamon, Chicago, Ill.
Elec'l Sales Co., 176 Federal, Boston, Mass.
FEDERAL ELECTRIC CO., 8702 S State, Chicago, Ill.
See adv index at end of book
Holtzer-Cabot Electric Co., 125 Amory, Boston, Mass.
Interstate Mach. Prodts. Co., Inc., 36 Allen, Rochester, N. Y.
Klaxon Co. ("Klaxon"), Bloomfield av, Newark, N. J.
Lincoln Metal Products Co., Lincoln, Ill.
North East Elec. Co., Rochester, N. Y.
Seiss Mfg. Co., Toledo, Ohio
Stewart-Warner Speedometer Corp., 1826 Diversey Parkway, Chicago, Ill.
Tele Call Co., 5604H Cedar av, Cleveland, O.

6436a— Horns (Factory)

American Model & Instrument Co., ("Amico"), 54 Commercial, Worcester, Mass.
American Strombos Co. Inc., 3H S 18th, Phila., Pa.
Benjamin Electric Mfg. Co., 120 S Sangamon, Chicago, Ill.
FEDERAL ELECTRIC CO., 8702 S State, Chicago, Ill.
See adv index at end of book
Klaxon Co. ("Klaxon"), Bloomfield av, Newark, N. J.
Seiss Mfg. Co., Toledo, Ohio

6436b— Horns (Fire Signal)

American Model & Instrument Co. ("Amico"), 54 Commercial, Worcester, Mass.
American Strombos Co. Inc., 3H S 18th, Phila., Pa.
Benjamin Electric Mfg. Co., 120 S Sangamon, Chicago, Ill.
FEDERAL ELECTRIC COMPANY, 8702 S State, Chicago
See adv index at end of book
Holtzer-Cabot Electric Co., 125 Amory, Boston, Mass.
Klaxon Co. ("Klaxon"), Bloomfield av, Newark, N. J.
Safety Fire Extinguisher Co., 295 7th av, New York

6437— Horns (Fog)

See also Whistles, Automobiles & Motor Boat
Dover Stamping & Mfg. Co. ("Dover"), Cambridge, Mass.
Klaxon Co. ("Klaxon"), Bloomfield av, Newark, N. J.
Lothrop L. D. & Son, Gloucester, Mass.
National Enameling & Stamping Co., 411 5th av, New York
National Marine Lamp Co., Forestville, Conn.

6438— Horns (Phonograph)

Sheip & Vandegrift ("Music Master" Wood), 814 N Lawrence, Phila., Pa.
Standard Metal Mfg. Co. ("Cygnet" Metal), 237 Chestnut, Newark, N. J.

6439— Horns (Shoe)

Delaware Hard Fibre Co. (Fibre), Wilmington, Del.
See adv index at end of book
DU PONT E. I. DE NEMOURS & CO. INC. Pyralin Div. ("Pyralin") (See adv. at Celluloid), Arlington, N. J.
See adv index at end of book
Eimendorf Varnish Co. (Color & Clear), 841 Larrabee, Chicago, Ill.
Vaughan Novelty Mfg. Co., 711 Fulton, Chicago, Ill.

6440—Horse Powers (Contractors')

American Hoist & Derrick Co. (Duplex Geared, etc), St. Paul, Minn.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*

6441—Horse Powers (Sweep)

See also Horse Powers, Tread; also Powers, Dog, Sheep, etc); also Horse Powers, Contractors'
Advance Rumley Co. ("Dingee-Woodbury"), Madison & Lincoln Way, La Porte, Ind.
Alamo Iron Works, San Antonio, Tex.
American Hoist & Derrick Co. (Duplex Geared, etc), St. Paul, Minn.
Appleton Mfg. Co. ("Appleton," "New Prize," "Modern Hero"), Batavia, Ill.
Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Challenge Co. (Sweep "Challenge"), Batavia, Ill.
Collins Plow Co. (4 to 6 Horse Triple Geared), Quincy, Ill.
Ellis Keystone Agricultural Works (Lever, Iron Frame "Keystone"), Pottstown, Pa.
Freeman Mfg. Co., Racine, Wis.
See adv index at end of book
Gehl Bros. Mfg. Co. ("Climax," "Pitts"), West Bend, Wis.
Greenville Implement Co., Greenville, Mich.
Hamachek Frank ("Giant"), Kewaunee, Wis.
Harrison Machine Works, Belleville, Ill.
Hart Grain Weigher Co. (Steel), Peoria, Ill.
Heebner & Sons ("Superior"), Lansdale, Pa.
Hildreth Bros., Harvard, Mass.
Kline Lewis T., Alpena, Mich.
Lyon Iron Works, Green, N. Y.
Marseilles Works of Deere & Co. ("Hercules" and Jacks), East Moline, Ill.
New Winona Mfg. Co. ("Diamond" Sweep), Winona, Minn.
Portable Elevator Mfg. Co., Bloomington, Ill.
Rowell I. B. Co. ("Climax"), Waukesha, Wis.
Sandwich Mfg. Co. ("Samson"), Sandwich Ill.
Smalley Mfg. Co., Manitowoc, Wis.
Squier Geo. L. Mfg. Co., Buffalo, N. Y.
Stover Mfg. & Engine Co., Freeport, Ill.
Warner Elevator Mfg. Co., Warner, Ill.
Wenzelman Mfg. Co., Galesburg, Ill.
Wilder-Strong Implement Co. Monroe, Mich.
Wodsedalak Jos., Algoma, Wis.

6442-3-4—Horse Powers (Tread)

Appleton Mfg. Co. ("Success"), Batavia Ill.
Central Specialty Mfg. Co., 508 S Peoria, Chicago, Ill.
Ellis Keystone Agricultural Works, Pottstown, Pa.
HEEBNER & SONS, Lansdale, Pa.
Messinger Mfg. Co. ("The Reynolds" Horse or Baby), Tatamy, Pa.

Horse Shoe Calks

See Toe Calks, Steel

6445— Hose (Acid)

Acme Rubber Mfg. Co., Trenton, N. J.
AMERICAN METAL HOSE CO. ("American"), Waterbury, Conn.
Boston Belting Corp., 80 Elmwood av Boston, Mass.
Breeze Metal Hose & Mfg. Co. (Resisting) 250 South, Newark, N. J.
CINCINNATI RUBBER MFG. CO., THE, ("Losant"), Norwood, Cincinnati, O.
See adv index at end of book
Combination Rubber Mfg. Co., Bloomfield N. J.
Darcoid Company, 1780 Broadway, New York *See adv index at end of book*
Electric Hose & Rubber Co., 12th & Dure, Wilmington, Del.
Empire Tire & Rubber Corp., Trenton, N. J.
Goodall Rubber Co., 8th & Locust, Philadelphia, Pa.
Goodrich B. F. Co., Akron, O.
Goodyear Tire & Rubber Co., Inc. ("Good Year"), 1144 E Market, Akron, Ohio
Gutta Percha & Rubber Mfg. Co., 350 Madison av, New York
Hewitt Rubber Co., Buffalo, N. Y.
Home Rubber Co., Trenton, N. J.
McIlroy Belting & Hose Co., Hammond Ind.
N. J. Car Spring & Rubber Co. ("Carspring"), 91 Brunswick, Jersey City, N. J.
Quaker City Rubber Co. ("Crown," "Quaker City"), 3927 Comly, Philadelphia, Pa.
See adv index at end of book
Revere Rubber Co. ("Revere"), Chelsea, Mass.
U. S. Rubber Co., 1790 Broadway, New York
See adv index at end of book
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
Whitehead Bros. Rubber Co., Trenton, N. J.

6445a— Hose (Air)

Breeze Metal Hose & Mfg. Co., 250 South, Newark, N. J.

CHICAGO TUBING & BRAIDING CO. ("Rex Tube"), 240 N Clinton, Chicago, Ill. *See adv index at end of book*

CINCINNATI RUBBER MFG. CO. ("Losant," "Arno," "Sandow," "Norwood"), Cincinnati, Ohio *See adv index at end of book*

The Cincinnati Rubber Mfg. Co.
Cincinnati, Ohio
MECHANICAL & SPECIAL MOULDED RUBBER GOODS
Pacemaker Rubber Transmission Belting, Arno Conveyor Rubber Belting, Losant Hose for Steam, Water, Air, Norka Packing.
MECHANICAL RUBBER SPECIALTIES MADE TO ORDER

Cleveland Pneumatic Tool Co. ("Veri-Best" Pneumatic), 3734 E 78th, Cleveland, O. *See adv index at end of book*

Electric Hose & Rubber Co. ("Barcus," "Colossus," "Electric," "Elcecho," "Golconda," "Mineralite," "Supero," "Velvet"), 12th & Dure, Wilmington, Del.

Goodall Rubber Co., 8th & Locust, Philadelphia, Pa.

Independent Pneumatic Tool Co., 600H W Jackson blvd, Chicago, Ill.

Keckley O. C. Co. ("Snake"), 318H W. Washington, Chicago, Ill.

Louer W. B. & Co. (Dlrs.), 11 E Harrison, Chicago, Ill.

Mulconroy Co., Inc. ("Garnet," "Hero," "Model," "Mulconroy," "New Process," "Victor"), 54th & Jefferson, Phila., Pa.

Quaker City Rubber Co. ("Aero," "Girard"), 3927 Comly, Philadelphia, Pa. *See adv index at end of book*

Smyth Rubber & Packing Co. ("Air Hose No. 6"), 512 Mercer, Jersey City, N. J. *See adv index at end of book*

U. S. RUBBER CO. ("U. S. 48-10"), 1790 Broadway, New York *See adv index at end of book*

6446— Hose (Air Brake)

Boston Belting Corp., 80 Elmwood av, Boston, Mass.

Boston Woven Hose & Rubber Co., Cambridge, Mass.

Breeze Metal Hose & Mfg. Co., 250 South, Newark, N. J.

Combination Rubber Mfg. Co., Bloomfield, N. J.

Electric Hose & Rubber Co., 12th & Dure, Wilmington, Del.

Empire Tire & Rubber Corp., Trenton, N. J.

Flexible Armored Hose Co. (& Air Signal), 45 N Division, Buffalo, N. Y.

Goodall Rubber Co., 8th & Locust, Philadelphia, Pa.

Goodrich B. F. Co., Akron, O.

Goodyear Tire & Rubber Co., Inc. ("Good Year"), 1144 E Market, Akron, Ohio

Gustin-Bacon Mfg. Co. ("Red Atlas"), 1416 W 12th, Kansas City, Mo.

Hamilton Rubber Mfg. Co., Trenton, N. J.

Hewitt Rubber Co., 246H Kensington av, Buffalo, N. Y.

Home Rubber Co., Trenton, N. J.

Mechanical Rubber Co., 1790 B'way, New York

N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.

N. Y. Belting & Packing Co., 91 Chambers, New York

Quaker City Rubber Co., 3927 Comly, Philadelphia, Pa. *See adv index at end of book*

Republic Rubber Co., Youngstown, O.

Revere Rubber Co., Chelsea, Mass.

United & Globe Rubber Co., Trenton, N. J.

U. S. Rubber Co., 1790 Broadway, New York *See adv index at end of book*

"U. S." AIR BRAKE AND AIR SIGNAL HOSE
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

Westinghouse Air Brake Co., Pittsburgh, Pa.

Westinghouse Traction Brake Co., Pittsburgh, Pa.

Whitehead Bros. Rubber Co., Trenton, N. J.

Woven Steel Hose & Rubber Co., Trenton, N. J.

6447— Hose (Air Drill)

Boston Belting Corp., 80 Elmwood av, Boston, Mass.

Boston Woven Hose & Rubber Co. ("Cowen," "Service," "Bull-Dog," "Ironclad," "Leader"), **Cambridge, Mass.**

Cincinnati Rubber Mfg. Co. ("Losant," "Arno," "Sandow"), Norwood, Cincinnati, Ohio *See adv index at end of book*

Cleveland Pneumatic Tool Co. ('Bowes"), 3734 E 78th, Cleveland, O.

Combination Rubber Mfg. Co., Bloomfield, N. J.

Continental Rubber Works, Erie, Pa.

Dallett Thos. H. Co., 1324H Federal, Phila., Pa.

Darcoid Company, 1780 Broadway, New York *See adv index at end of book*

Electric Hose & Rubber Co. ("Barcus," "Colossus," "Electric," "Marvelo," "Mineralite," "Pokomoke," "Supero," "Uganda," "Velvet"), 12th & Dure, Wilmington, Del.

Empire Tire & Rubber Corp., Trenton, N. J.

Flexible Armored Hose Co., 45 N Division, Buffalo, N. Y.

Goodall Rubber Co., 8th & Locust, Philadelphia, Pa.

Goodrich B. F. Co., Akron, O.

Goodyear Tire & Rubber Co., Inc. ("Good Year"), 1144 E Market, Akron, Ohio

Gutta Percha & Rubber Mfg. Co. ("Maltese Cross," "Ridgewood," "Wall About"), 350 Madison av, New York

Hewitt Rubber Co. (Heavy Weight, "Hewitt Magnus," "Wrapped Duck," "Magnus," "Elmwood," "Linwood," Molded & Braided "Unit," "Standoil," "Converso"), Buffalo, N. Y.

Independent Pneumatic Tool Co., 600 W Jackson blvd., Chicago, Ill.

Ingersoll-Rand Co. 11 B'way, New York *See adv index at end of book*

King Pneumatic Tool Co., 1734 Armitage av, Chicago, Ill. *See adv index at end of book*

Mercer Rubber Co., 19 Colnties Slip, New York

N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.

New York Belting & Packing Co., 91 Chambers, New York

Pioneer Rubber Mills ("Victor," "Seal Rock," & "Sun Set"), 63 Sacramento, San Francisco, Cal.

Quaker City Rubber Co. ("Crown," "Ebonite," "Quaker City"), 3927 Comly, Philadelphia, Pa. *See adv index at end of book*

Revere Rubber Co., Chelsea, Mass.

U. S. Rubber Co., 1790 Broadway, New York *See adv index at end of book*

"U. S." 48-10 AIR HOSE
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

Voorhees Rubber Mfg. Co. ("Boreas"), 18 Bostwick av, Jersey City, N. J.

Whitehead Bros. Rubber Co., Trenton, N. J.

Woven Steel Hose & Rubber Co., Trenton, N. J.

Hose (Boiler Washout)

See Hose (Steam)

6448— Hose (Braided)

AMERICAN METAL HOSE CO. ("American" Flexible Metallic), Waterbury, Conn.

Boston Belting Corp. ("Forsyth" & "Roxbro"), 80 Elmwood av, Boston, Mass.

Breeze Metal Hose & Mfg. Co. (Metal Flexible), 250 South, Newark, N. J.

Cincinnati Rubber Mfg. Co., The, ("Norwood"), Norwood, Cincinnati, Ohio *See adv index at end of book*

Darcoid Company, 1780 Broadway, New York *See adv index at end of book*

Electric Hose & Rubber Co. ("Blacksnake," "Electric," "Marvelo," "Red Snake," "Velvet," Continuous Length), 12th & Dure, Wilmington, Del.

Empire Tire & Rubber Corp., Trenton, N. J.

Goodall Rubber Co., 8th & Locust, Philadelphia, Pa.

Gutta Percha & Rubber Mfg. Co., 350 Madison av, New York

Hewitt Rubber Co., 246H Kensington av, Buffalo, N. Y.

Home Rubber Co., Trenton, N. J.

Whitehead Bros. Rubber Co., Trenton, N. J.

Hose (Brewers')

See Hose, Garden, Steam, Mill, Etc.

6449— Hose (Car Heating)

Cincinnati Rubber Mfg. Co., The, Norwood, Cincinnati, Ohio *See adv index at end of book*

U. S. Rubber Co., 1790 Broadway, New York *See adv index at end of book*

"U. S." Peerless CAR HEATING HOSE
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

6450—Hose Carriages & Carts

Abbot Downing Truck & Body Co., Concord, N. H.

American La France Fire Engine Co. (Jobbers), Elmira, N. Y.

Anderson Coupling & Fire Supply Co., Kansas City, Kansas.

Hayward S. F. & Co. (Hose Carts), 250 W 54th, New York.

Hewitt Rubber Co., 246H Kensington av, Buffalo, N. Y.

Northern Fire Apparatus Co., 2422 Univ. av, S. E., Minneapolis, Minn.

Pirsch Peter & Co., Kenosha, Wis.

Safety Fire Extinguisher Co., 291 7th av, New York

Stewart A. F., Rochester, N. Y.

Waterous Fire Engine Co., 80 E Fillmore av, St. Paul, Minn.

Wirt & Knox Mfg. Co. ("Knox," for Railroads, Mills, etc), 23d & York, Phila., Pa.

Woodhouse Mfg. Co., 64 W B'way, New York

6451— Hose (Chemical)

Cincinnati Rubber Mfg. Co., The, ("Losant"), Norwood, Cincinnati, Ohio *See adv index at end of book*

U. S. Rubber Co., 1790 Broadway, New York *See adv index at end of book*

6452—Hose (Chemical Engine)

Boston Belting Corp., 84 Linden Park, Boston, Mass.

Castle Jas. M. Inc., 1224 Arch, Phila., Pa.

Electric Hose & Rubber Co. ("Electric," "Nanticoke," "Zenobia"), 12th & Dure, Wilmington, Del.

Empire Tire & Rubber Corp., Trenton, N. J.

Flexible Armored Hose Co., 45 N Division, Buffalo, N. Y.

Goodall Rubber Co., 8th & Locust, Philadelphia, Pa.

Gutta Percha & Rubber Mfg. Co., 350 Madison av, New York

Hewitt Rubber Co. ("Hewitt," "Magnus," "Linwood," Engine & Tender), Buffalo, N. Y.

Home Rubber Co., Trenton, N. J.

Quaker City Rubber Co. ("Crown," "Hercules"), 3927 Comly, Philadelphia, Pa. *See adv index at end of book*

Rex-Harris Fire Appliance Co., 310 W 39th, New York

Safety Fire Extinguisher Co., 295 7th av, New York

Whitehead Bros. Rubber Co., Trenton, N. J.

Hose Connections

See Couplings, Hose

6453—Hose (Corrugated Tank)

See also Hose (Steam)

Cincinnati Rubber Mfg. Co., The, Norwood, Cincinnati, Ohio *See adv index at end of book*

Hose (Corrugated Tender)

See Hose, Rubber

6454— Hose (Cotton)

Acme Rubber Mfg. Co. ("Admiral," "Commodore," "Ensign," "Gunner"), Trenton, N. J.

ALLEN W. D. MFG. CO. (& Linen), 201-211 N Jefferson, Chicago, Ill. *See adv index at end of book*

Bay State Belting Co., 349 Congress, Boston, Mass.

Boston Belting Corp. ("Niagara," "Imperial," "Phoenix," "Trimount," "Excelsior," "American Underwriters," "Linden"), 80 Elmwood av, Boston, Mass.

Boston Woven Hose & Rubber Co. ("Boston Fire Jacket," "Bay State Jacket," "Vigo," "Perfection," "Cowan," "Leader," "Paramount," "O. K." Underwriters), Cambridge, Mass. "Purple Line," "Casco," "Reo," Cambridge, Mass.

Boyle Jno & Co., 112 Duane, New York

Breeze Metal Hose & Mfg. Co. (Cotton Mill Vacuum), 250 South, Newark, N. J.

Castle Jas. M., Inc., 1224 Arch, Phila., Pa

Combination Rubber Mfg. Co., Bloomfield, N. J.

Darcoid Company, 1780 Broadway, New York *See adv index at end of book*

Empire Mfg. Co. (Cotton Rubber Lined), Lockport, N. Y.

(Continued on following page)

Hose (Cotton)—Continued

Empire Tire & Rubber Corp. ("Empire's Best," "XX Extra," "Merrimac," "Model," "Monitor"), Trenton, N. J.
Eureka Fire Hose Mfg. Co. (Rubber Lined), 50 Church, New York
Fabric Fire Hose Co., 127 Duane, New York
Goodall Rubber Co., 8th & Locust, Philadelphia, Pa.
Goodrich B. F. Rubber Co., Akron, O.
Goodyear Rubber Co. (Rubber Lined) ("Trout," "Obelisk," "Goodyear Special"), 539 Mission, San Francisco, Cal.
Gutta Percha & Rubber Mfg. Co. ("Baker Fabric," "Ridgewood," "Princeton," "Rescue," "Ajax"), 350 Madison av, New York
Hamilton Rubber Mfg. Co., Trenton, N. J.
Hewitt Rubber Co., Buffalo, N. Y.
Home Rubber Co., Trenton, N. J.
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Manhattan Rubber Co., Passaic, N. J.
Mechanical Rubber Co. ("Franklin," "Vernon," "Columbian," "Randolph," "Calumet," "Amazon," "Sterling"), 1790 B'way, New York
Mt. Vernon Woodberry Mills Inc. ("Mt. Vernon"), 506 Continental bldg, Baltimore, Md.
N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N J.
Pioneer Rubber Mills ("Victor," "Guardian," "Defender"), 68 Sacramento, San Francisco, Cal.
Quaker City Rubber Co. (Rubber Lined), (Quaker City "Pometus," "Crown," "Hercules," "Yankee Chief," "Firefite"), 3927 Comly, Philadelphia, Pa. *See adv index at end of book*
Republic Rubber Co., Youngstown, Ohio
Revere Rubber Co. (Rubber Lined, etc), Chelsea, Mass.
Safety Fire Extinguisher Co., 295 7th av, New York
United & Globe Rubber Co., Trenton, N. J.
U. S. RUBBER CO. (Rubber Lined), 1790 Broadway, New York
See adv index at end of book
Voorhees Rubber Mfg. Co. (Marline & Cotton Woven Cover, "Lafayette," "Cartaret," "Cornell," "Pennant"), 18 Bostwick av, Jersey City, N. J.

Hose Couplings

See Couplings (Hose)

Hose (Discharge)

See Hose (Oil Suction and Discharge)

Hose (Divers)

See Hose (Air)

6455— Hose (Dredging)

See Hose Submarine, also Hose, Rubber

Breeze Metal Hose & Mfg. Co., 250 South, Newark, N. J.
Cincinnati Rubber Mfg. Co. ("Arno"), Norwood, Cincinnati, Ohio
See adv index at end of book
Darcoid Company, 1780 Broadway, New York *See adv index at end of book*
Electric Hose & Rubber Co. ("Colossus"), 12th, & Dure, Wilmington, Del.
Goodall Rubber Co., 8th & Locust, Philadelphia, Pa.
Quaker City Rubber Co. ("Crown," "Quaker City"), 3927 Comly, Philadelphia, Pa. *See adv index at end of book*
U. S. Rubber Co. ("Dexter," "Lakeside," For Trench Work), 1790 Broadway, New York *See adv index at end of book*

6456—*Hose (Engine & Tender)

U. S. Rubber Co. ("U. S. Peerless"), 1790 Broadway, New York
See adv index at end of book

"U.S." ANACONDA
ENGINE & TENDER HOSE
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

6456a—Hose (Filling Station)

CHICAGO TUBING & BRAIDING CO., 240 N Clinton, Chicago, Ill.
See adv index at end of book
Metal Hose & Tubing Co. ("Triplexd"), 252 Tillary, Bklyn, N. Y.
U. S. Rubber Co. ("U. S." Anaconda), 1790 Broadway, New York
See adv index at end of book

"U. S." GIANT
Filling Station
Gasoline Hose
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

6457— Hose (Fire)

Acme Rubber Mfg. Co., Trenton, N. J.
Barnes Henry K. Co. ("Fire King," "Conqueror"), 234 Devonshire, Boston, Mass.
Beck Wm. & Chas. (Linen), Lawrence, Mass.
Bi-Lateral Fire Hose Co. ("Bi-Lateral"), 9 S Clinton, Chicago, Ill.
Boston Belting Corp., 80 Elmwood av, Boston, Mass.
Boston Coupling Co. ("Reliance" Cotton Light & Heavy, etc), 297 Congress, Boston, Mass.
Boston Woven Hose & Rubber Co. ("Boston Fire Jacket," "Bay State," "Jacket," "Vigo," "Perfection," "Cowen," "Paramount" & "Leader," "O. K," "Underwriters"), Cambridge, Mass.
Carpenter Geo. B. & Co., 434 N Wells, Chicago
See adv index at end of book
Castle Jas. M. Inc. ("Castle"), 1224 Arch, Phila., Pa.
Chicago Fire Hose Co. (Cotton Rubber Lined), 124 W Lake, Chicago, Ill.
Cincinnati Rubber Mfg. Co. ("Losant"), Norwood, Cincinnati, Ohio
See adv index at end of book
Combination Rubber Mfg. Co., Bloomfield, N. J.
Electric Hose & Rubber Co., Dept. H, 12th & Dure, Wilmington, Del.
Empire Mfg. Co. (Cotton Rubber Lined), Lockport, N. Y.
Empire Tire & Rubber Corp. ("Empire's Best," "XX Extra," "Merrimac," "Model," "Monitor," "A-1" & "Arrow" Cotton Rubber Lined; also Rubber), Trenton, N. J.
Eureka Fire Hose Mfg. Co. ("Eureka," "Paragon," "Red Cross," "Surprise Jacket," "Peerless Jacket," "Eagle," Cotton Rubber Lined; also Linen, Plain & Rubber Lined), 50 Church, New York
Fabric Fire Hose Co., 127 Duane, New York
Fenwick-Reddaway Mfg. Co. ("Redcone" Linen), 46 Paris, Newark, N. J.
Goodall Rubber Co., 8th & Locust, Philadelphia, Pa.

PARAGON
FIRE HOSE
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

Goodrich B. F. Co. ("Gray King" & "White King," Woven Cotton, Rubber Lined, etc), Akron, O.
Goodyear Tire & Rubber Co., Inc. ("Good Year"), 1144 E Market, Akron, Ohio
Gutta Percha & Rubber Mfg. Co. ("Maltese Cross," "Baker Fabric," "Ajax," "Princeton," "Rescue" Cotton Line & Rubber), 350 Madison av, New York
Hamilton Rubber Mfg. Co., Trenton, N. J.
Hewitt Rubber Co. (Double & Single Jacket "Hewitt," "Elmwood," "Magnus." "Underwriters"), Buffalo, N. Y.
Home Rubber Co., Trenton, N. J.
Howard H. J. M. Mfg. Co. ("Perfecto," Unlined Linen), 150 Pierce N W, Washington, D. C.
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Keckley O. C. Co. ("Volcano," "Geyser," "Amazon," "Equator," 318 H Washington av, Chicago, Ill.
McIlroy Belting & Hose Co. ("Rubber-Ite" Linen), Hammond, Ind.
Mechanical Rubber Co., Cleveland, O.
Mercer Rubber Co. (Rubber), Hamilton Sq., N. J.
Mulconroy Co., 54th & Jefferson, Philadelphia, Pa
N. J. Car Spring & Rubber Co. ("Tuebor," "Carspring," "Metropolitan," "A1,") Rubber Lined, Cotton), 91 Brunswick, Jersey City, N. J
N. Y Belting & Packing Co. (Rubber & Cotton), 91 Chambers, New York
Niedner's Chas. Sons Co. (Linen), Malden, Mass.
Pioneer Rubber Mills ("Victor" Double Jacket), 68 Sacramento, San Francisco, Cal.
Quaker City Rubber Co. (Cotton Rubber Lined "Quaker City," "Pometus," "Crown," "Hercules," "Edgewater," "Firefite," "Yankee Chief"), 3927 Comly, Philadelphia, Pa.
See adv index at end of book
Republic Rubber Co. ("Relief") Youngstown, O.
Revere Rubber Co. (Rubber & Cotton & Rubber Lined), Chelsea, Mass.
Rex-Harris Fire Appliance Co. (Linen & Rubber), 310 W 39th, New York
Rossendale-Reddaway Belting & Hose Co. (Linen), Newark, N. J.
Safety Fire Extinguisher Co., 295 7th av, New York
Simmons John Co., 110 Centre, New York
See adv index at end of book
Snyder M. L. & Son, 223 Church, Phila., Pa.
United & Globe Rubber Co., Trenton, N. J.
U. S. Rubber Co. ("Beacon," "U. S. Eureka," "Gingo," "U. S. Mastiff," "Trojan," "Ulysses"), 1790 Broadway, New York *See adv index at end of book*

"U.S." Underwriters'
FIRE HOSE
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

Voorhees Rubber Mfg. Co. ("Marshall," Cotton Rubber), 18 Bostwick av, Jersey City, N. J.
Waterous Fire Engine Co., 80 S Fillmore av, St. Paul, Minn.
Whitehead Bros. Rubber Co., Trenton, N.J.

6458—Hose (Flexible Metallic)

AMERICAN METAL HOSE CO., Waterbury, Conn.
Am. Metal Moulding Co., 141 N. J. R. R. av, Newark, N. J.
Breeze Metal Hose & Mfg. Co. ("Fle-X-Met"), 250 South, Newark, N. J.
CHICAGO TUBING & BRAIDING CO., 240 N Clinton, Chicago, Ill.
See adv index at end of book
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Columbia Metal Hose Wks. ("Columbia"), Thompson av & Manly, Long Island City, N. Y.
Electric Hose & Rubber Co. ("Cynis," "Electric," Gas & Gasoline), 12th & Dure, Wilmington, Del.
Flexible Armored Hose Co., 45 N Division, Buffalo, N. Y.
FRICK & LINDSAY CO. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Goodyear Tire & Rubber Co. ("Kantkink") Akron, O.
International Metal Hose Co. ("Vulcan"), 107-9 Quincy, Cleveland, O.
Johns-Manville H. W. Co., Madison av & 41st, New York
Metal Hose & Tubing Co. ("Triplead Rubber & Fabric Covered Flexible Metallic"), 252 Tillary, Bklyn, N. Y.
Mulconroy Co. (All Metal in Brass, Bronze, Copper & Steel), 54th & Jefferson, Phila., Pa.
Odin Stove Mfg. Co., Erie, Pa.
Pennsylvania Flexible Metallic Tubing Co. (Copper or Steel, High Pressure, with Asbestos Interlining), Broad & Race, Philadelphia, Pa.
Strong Machinery & Supply Co., 292-4 Church, New York
See adv index at end of book
Titeflex Metal Hose Corp., Badger av & Runyon, Newark, N. J.
Voorhees Rubber Mfg. Co. (Armor), 18 Bostwick, Jersey City, N. J.

6459—Hose (Flexible Steel Armored)

Breeze Metal Hose & Mfg. Co., 250 South, Newark, N. J.
Electric Hose & Rubber Co. ("Pliant"), 12th & Dure, Wilmington, Del.
Goodall Rubber Co., 8th & Locust, Philadelphia, Pa.

6460—Hose (Garden, Steam, Mill, etc.)

Acme Rubber Mfg. Co., Trenton, N. J.
AMERICAN METAL HOSE CO. ("American" Flexible Metallic Steam & Mill), Waterbury, Conn.
Belmont Packing & Rubber Co. ("Belmont" Steam), 12th & Arch, Philadelphia, Pa.
Boston Belting Corp., 80 Elmwood av, Boston, Mass.
Boston Woven Hose & Rubber Co. ("Bull Dog," "Good Luck," "Milo," "Tiger," "Leader," "Block Line," "Paramount," "Conservatory," "Garden," "Service," "Bay State," "Tiger" Steam), Cambridge, Mass.
Breeze Carbureter Co. (Steam), 250-52 South, Newark, N. J.
Breeze Metal Hose & Mfg. Co., 250 South, Newark, N. J.

Castle Jas. M. Inc. (Mill), 1224 Arch, Phila., Pa.
Cincinnati Rubber Mfg. Co. ("Challenge," "Motor," "Royal," "Plymouth," "Sandow," "Losant"), Norwood, Cincinnati, Ohio
See adv index at end of book
Combination Rubber Mfg. Co., Bloomfield, N. J.
Continental Rubber Works, Erie, Pa.
Darcoid Company, 1780 Broadway, New York *See adv index at end of book*
Electric Hose & Rubber Co. ("Blackfin," "Blacksnake," "Blackbird," "Blacktop," "Blackrib," "Blackcord," "Carbon," "Christiana," "Electric," "Kaffir," "Marvelo," "Nocer," "Tres," "Quintuple," "Redfin," "Redsnake," "Rubyrib," "Ruddy," "Redbird," "Redtop," "Redrib," "Redcord" & "Colossus," "Electric," "Supero"), 12th & Dure, Wilmington, Del.
Empire Mfg. Co. (Cotton Rubber Lined), Lockport, N. Y.
Empire Tire & Rubber Corp. ("Empire's Best," "Merrimac," "Model," "Monitor," "Perfect," "Hop Toad," "Alabama," "Advance," "Amazon," "Eagle," "Diamond," "La Salle," "Hercules," "Chicago," "Vulcan," "High Test," "Greenhouse," "Hero," "Peninsular," "Rival," "King" & "Yale"), Trenton, N. J.
Eureka Fire Hose Mfg. Co. (Cotton & Linen), 50 Church, New York
Fenwick-Reddaway Mfg. Co., 46 Paris, Newark, N. J.
Flexible Armored Hose Co. (Flexible Armored, for Steam, Gas, Oil & Water), 45 N Division, Buffalo, N. Y.
Goodall Rubber Co., 8th & Locust, Philadelphia, Pa.
Goodrich B. F. Co., Akron, O.
Goodyear Tire & Rubber Co., Inc. ("Good Year," "Goodyearite," "Wingfoot," "Elm"), 1144 E Market, Akron, Ohio
Gutta Percha & Rubber Mfg. Co. ("Maltese Cross." "Wallabout," "Rescue," "Prospect," "Nassau," "Tempest," "Tornada," "Princeton," "Montauk," "Pyramid," "Flushing," "Long Length"), 350 Madison av, New York
Hewitt Rubber Co., ("Glenwood," "Linwood" Mill, "Magnus," "Ursus," "Inca," "Mohigan," "Ottuma" Garden, "Elmwood" Steam), Buffalo, N. Y.
Home Rubber Co. (Rubber), Trenton, N. J.
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Knowlton Geo. W. Rubber Co., 60 Pearl, Boston, Mass.
Manhattan Rubber Mfg. Co., Passaic, N. J.
Mercer Rubber Co., Hamilton Sq., N. J.
Mulconroy Co., 54th & Jefferson, Phila., Pa.
Myers F. E. & Bro., 950 Orange, Ashland, Ohio
See adv index at end of book
N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
New York Belting & Packing Co., 91 Chambers, New York
Neidner's Chas. Sons Co. (Linen), Malden, Mass.
Pioneer Rubber Mills ("Sunproof" & "Crackproof"), 68 Sacramento, San Francisco, Cal.
Quaker City Rubber Co. ("Atlantic," "Corporal," "Crown," "Emulos," "Kaptan," "Kernel," "Ketmar," "Major," "Nymph," "Quaker City," "Orient," "Reding," "Ringmeter," "Sarjent," "Suprise," "Tioga," "Wonderful," "Yankee," "Standard"), 672 Market, Phila., Pa. *See adv index at end of book*
Republic Rubber Co. ("Chariot"), Youngstown, O.
Revere Rubber Co., Chelsea, Mass.
Safety Fire Extinguisher Co. (Steam & Mill), 295 7th av, New York
Snyder M. L. & Son ("Samson," "Warrior," "Swiftsure"), 223 Church, Phila., Pa.
United & Globe Rubber Co., Trenton, N. J.
U. S. RUBBER CO. ("U. S. Colonial," "Elephant," Spray, "Pioneer," Mill & Garden, "Trojan"), 1790 Broadway, New York *See adv index at end of book*
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
Whitehead Bros. Rubber Co., Trenton, N. J.

6461— Hose (Gasoline)

AMERICAN METAL HOSE CO. ("American"), Waterbury, Conn.
Breeze Metal Hose & Mfg. Co. ("Flex-X-Met" for Loading, for Unloading Tanks, Cars, etc), 250 South, Newark, N. J.
CHICAGO TUBING & BRAIDING CO. ("Rex Tube"), 240 N Clinton, Chicago, Ill. *See adv index at end of book*
CINCINNATI RUBBER MFG. CO. ("Puritan"), Norwood, Cincinnati, Ohio
See adv index at end of book
Electric Hose & Rubber Co. ("Electric," also Gas), 12th & Dure, Wilmington, Del.
Goodall Rubber Co., 8th & Locust, Philadelphia, Pa.
Goodyear Tire & Rubber Co., Inc. ("Good Year"), 1144 E Market, Akron, Ohio
Hewitt Rubber Co., 246H Kensington av, Buffalo, N. Y.
International Metal Hose Co., 107-9 Quincy, Cleveland, O.
Metal Hose & Tubing Co. ("Triplexd"), 252 Tillary, Bklyn, N. Y.
Mulconroy Co., Inc. ("Mulconroy," "New Process"), 54th & Jefferson, Phila., Pa.
Quaker City Rubber Co. ("Quaker City," "Ebonite"), 3927 Comly, Philadelphia, Pa.
See adv index at end of book
Republic Rubber Corp., Dept H, Youngstown, O.
Titeflex Metal Hose Corp., Badger av & Runyon, Newark, N. J.
U. S. Rubber Co. ("Mastiff," "Pilot," "Underwriter's Security"), 1790 Broadway, New York
See adv index at end of book

GASOLINE HOSE
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

6462-3— Hose (Linen)

Bay State Belting Co., 349 Congress, Boston, Mass.
Beck Wm. & Chas., Lawrence, Mass.
Boston Woven Hose & Rubber Co. ("Black Line," Service), Cambridge, Mass.
Castle Jas. M. Inc., 1224 Arch, Phila., Pa.
Darcoid Company, 1780 Broadway, New York *See adv index at end of book*
Empire Mfg. Co., Lockport, N. Y.
Empire Tire & Rubber Corp. ("King," "Yale," & "Rival," Unlined), Trenton, N. J.
Eureka Fire Hose Mfg. Co. (Plain or Rubber Lined), 50 Church, New York
Fabric Fire Hose Co., 127 Duane, New York
Fenwick-Reddaway Mfg. Co. ("Redcone"), 46 Paris, Newark, N. J.
Goodell Rubber Co., 8th & Locust, Philadelphia, Pa.
Hewitt Rubber Co., Buffalo, N. Y.
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Manhattan Rubber Mfg. Co., Passaic, N. J.
New York Belting & Packing Co., 91 Chambers, New York
Niedner's Chas. Sons Co. (Fire), Malden, Mass.
Quaker City Rubber Co. (Underwriters), 3927 Comly, Philadelphia, Pa.
See adv index at end of book
Revere Rubber Co., Chelsea, Mass.
Rosendale-Reddaway Belting & Hose Co., Newark, N. J.
Safety Fire Extinguisher Co., 295 7th av, New York
U. S. Rubber Co. ("U. S. Worthy"), 1790 Broadway, New York
See adv index at end of book

"U. S." EUREKA BEST LINEN HOSE
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
Woven Steel Hose & Rubber Co., Trenton, N. J.

6464— Hose (Mill)

See also Hose (Garden, Steam, Mill, etc.)

Castle Jas. M., Inc., 1224 Arch, Phila., Pa.
Cincinnati Rubber Mfg. Co. ("Losant"), Norwood, Cincinnati, Ohio
See adv index at end of book
Darcoid Company, 1780 Broadway, New York *See adv index at end of book*
Electric Hose & Rubber Co., 12th & Dure, Wilmington, Del.
Fenwick-Reddaway Mfg. Co., 46 Paris, Newark, N. J.
Goodall Rubber Co., 8th & Locust, Philadelphia, Pa.
Hewitt Rubber Co., 246H Kensington av, Buffalo, N. Y.
Quaker City Rubber Co. ("Crown," "Edgewater," "Hercules," "Quaker City," "Phosfo"), 3927 Comly, Philadelphia, Pa.
See adv index at end of book
Safety Fire Extinguisher Co., 295 7th av, New York
U. S. RUBBER CO., 1790 Broadway, New York *See adv index at end of book*

"U.S." Eureka MILL HOSE
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

6464a—Hose (Oil Suction and Discharge)

AMERICAN METAL HOSE CO., Waterbury, Conn.
Cincinnati Rubber Mfg. Co., The, ("Losant"), Norwood, Cincinnati, Ohio
See adv index at end of book
Darcoid Company, 1780 Broadway, New York *See adv index at end of book*
Electric Hose & Rubber Co., Dept. H, 12th & Dure, Wilmington, Del.
Goodall Rubber Co., 8th & Locust, Philadelphia, Pa.
Metal Hose & Tubing Co. ("Triplexd"), 252 Tillary, Bklyn, N. Y.
Quaker City Rubber Co. ("Ebonite"), 3927 Comly, Philadelphia, Pa.
See adv index at end of book
U. S. Rubber Co. ("U. S. Amazon"), 1790 Broadway, New York
See adv index at end of book

"U. S." AMAZON SEA LOADING OIL HOSE
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

6464a1— Hose (Oil)

AMERICAN METAL HOSE CO. ("American"), Waterbury, Conn.
Breeze Metal Hose & Mfg. Co. ("Fle-X-Met"), 250 South, Newark, N. J.
CHICAGO TUBING & BRAIDING CO., 240 N Clinton, Chicago, Ill.
See adv index at end of book
Cincinnati Rubber Mfg. Co., Norwood, Cincinnati, Ohio
See adv index at end of book
Electric Hose & Rubber Co. ("Coalinga," "Electric"), 12th & Dure, Wilmington, Del.
Goodall Rubber Co., 8th & Locust, Philadelphia, Pa.
International Metal Hose Co., 107-9 Quincy, Cleveland, O.
Metal Hose & Tubing Co. ("Triplexd"), 252 Tillary, Bklyn, N. Y.
Mulconroy Co., Inc., 54th & Jefferson, Phila., Pa.
Pioneer Rubber Mills ("Live Oak," Smooth & Wire Lined, a Combination Suction & Discharged), 68 Sacramento, San Francisco, Cal.
Quaker City Rubber Co. ("Ebonite," "Crown"), 3927 Comly, Philadelphia, Pa. *See adv index at end of book*
Republic Rubber Corp., Dept H, Youngstown, O.
Titeflex Metal Hose Corp., Badger av & Runyon, Newark, N. J.
U. S. Rubber Co. ("U. S. Amazon"), 1790 Broadway, New York
See adv index at end of book

"U.S." AMAZON OIL HOSE
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

6464a2—Hose (Oxy-Acetylene)

AMERICAN METAL HOSE CO., Waterbury, Conn.
Breeze Metal Hose & Mfg. Co., 250 South, Newark, N. J.
Cincinnati Rubber Mfg. Co., The, ("Losant"), Norwood, Cincinnati, Ohio
See adv index at end of book
Electric Hose & Rubber Co. ("Electric"), 12th & Dure, Wilmington, Del.
Goodall Rubber Co., 8th & Locust, Philadelphia, Pa.
MacLeod Co., 2227 Boegen, Cincinnati, O.
See adv index at end of book
Mulconroy Co., Inc. (Mulconroy), 54th & Jefferson, Phila., Pa.
OXWELD ACETYLENE CO., (Rubber for Welding and Cutting), 30 E 42d, New York *See adv index at end of book*

(Continued on following page)

Hose (Oxy-Acetylene)—Continued

Quaker City Rubber Co., 3927 Comly, Philadelphia, Pa.
See adv index at end of book

U. S. Rubber Co. ("U. S. Rainbow"), 1790 Broadway, New York
See adv index at end of book

"U. S." Acetylene-Oxygen Hose
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

Victor Oxy-Acetylene Equipment Co. ("Victor"), 844 Folsom, San Francisco, Cal.
See adv index at end of book

Weldcraft Equipment Co., 2501 Penn av, Pittsburgh, Pa.

6464b— Hose (Paint Spray)

AMERICAN METAL HOSE CO. Waterbury, Conn.

CHICAGO TUBING & BRAIDING CO., 240 N Clinton, Chicago, Ill.
See adv index at end of book

Electric Hose & Rubber Co. ("Electric"), 12th & Dure, Wilmington, Del.

Goodall Rubber Co., 8th & Locust, Philadelphia, Pa.

Metal Hose & Tubing Co. ("Triplexd"), 252 Tillary, Bklyn., N. Y.

U. S. RUBBER CO. ("U. S."), 1790 Broadway, New York
See adv index at end of book

Hose (Protected)

See Hose, Wire Wound

6465— Hose (Radiator)

American Brake-Lining Co. ("ABC"), Lansdale, Pa.

Breeze Metal Hose & Mfg. Co. (Automotive), 250 South, Newark, N. J.

Cincinnati Rubber Mfg. Co. ("Norka"), Norwood, Cincinnati, Ohio
See adv index at end of book

Eclat Rubber Co. ("Ekla"), Cuyahoga Falls, O.

Electric Hose & Rubber Co., Dept. H, 12th & Dure, Wilmington, Del.

Goodall Rubber Co., 8th & Locust, Philadelphia, Pa.

Hewitt Rubber Co., 246H Kensington av, Buffalo, N. Y.

Quaker City Rubber Co. ("Moto"), 3927 Comly, Philadelphia, Pa.
See adv index at end of book

Thermoid Rubber Co. ("Thermoid," Reinforced, "Rexoid," for Fords), Trenton, N. J.

U. S. RUBBER CO. ("Beaver," "Fulton"), 1790 Broadway, New York
See adv index at end of book

The Index to Trades is the key to the vast stores of information in
HENDRICKS COMMERCIAL REGISTER
Always Use It

Hose (Reels & Racks)

See Reels & Racks, Fire Hose

6466— Hose (Rotary Drill)

Cincinnati Rubber Mfg. Co. ("Losant," "Sandow"), Norwood, Cincinnati, Ohio
See adv index at end of book

Darcoid Company, 1780 Broadway, New York *See adv index at end of book*

Electric Hose & Rubber Co. ("Colossus"), 12th & Dure, Wilmington, Del.

Goodall Rubber Co., 8th & Locust, Philadelphia, Pa.

Hewitt Rubber Co., 246H Kensington av, Buffalo, N. Y.

Mulconroy Co. Inc. ("Mulconroy"), Dept. H, 54th & Jefferson, Phila., Pa.

Quaker City Rubber Co. ("Quaker City," "Hercules"), 3927 Comly, Philadelphia, Pa. *See adv index at end of book*

6467— Hose (Rubber)

Acme Rubber Mfg. Co., Trenton, N. J.

Akron Rubber Mold & Machine Co., Akron, O.

ALLEN W. D. MFG. CO., 201-211 N Jefferson, Chicago, Ill.
See adv index at end of book

Atlantic India Rubber Works, 1453 W Van Buren, Chicago, Ill.

Atlantic Mfg. Co., 2nd & Walnut, Wilmington, Del.

Boston Belting Corp. ("Hardwear," "Niagara," "Trimont," "Boston," "Universal," "Imperial," "Excelsior," "Roxbro," "Wearwell," "Elmwood," "Phoenix"), 80 Elmwood av, Boston, Mass.

Boston Woven Hose & Rubber Co. ("Damascus," "Bull Dog," "Boston Terrier," "Bay State," "Tiger," "Invincible," "Leader," "Dauntless," "Vim," "Helmet," "Cowen," "Ironclad," "Granger"), Cambridge, Mass.

Breeze Metal Hose & Mfg. Co., 250 South, Newark, N. J.

Carpenter Geo. B. & Co. (Old Colony), 434 N Wells, Chicago
See adv index at end of book

Castle Jas. M. Inc., 1224 Arch, Phila., Pa.

Cincinnati Rubber Mfg. Co. ("Arno," "Bolivian," "Broncho," "Congo," "Losant," "Norka," "Norwood," "Pacemaker," "Sandow"), Norwood, Cincinnati, Ohio
See adv index at end of book

COLONIAL SUPPLY CO., 217 Water, Pittsburgh, Pa.
See adv index at end of book

Combination Rubber Mfg. Co. ("Indestructene," "Franklin"), Bloomfield, N. J.

Continental Rubber Works, Erie, Pa.

Crescent Flexible Armour Co., Trenton, N. J.

Darcoid Company, 1780 Broadway, New York *See adv index at end of book*

Electric Hose & Rubber Co. ("Wilmington," "Zenobia," "Acetic," "Alladin," "Barcus," "Blackfin," "Blacksnake," "Buoy," "Calaente," "Caribou," "Christiana," "Codlinga," "Colossus," "Constant," "Corrugated," "Defiance," "Delaware," "Delmare," "Eddystone," "Electric," "Golconda," "Kaffir," "Kinca," "Laconi," "Manila," "Magnate," "Marvelo," "Milton," "Mineralite," "Moravia," "Nanticoke," "Nocer," "Eleic," "Enoko," "Pitts," "Pliant," "Pocomoke," "Quintuple," "Redfin," "Redsnake," "Rialto," "Ruddy," "Scaford," "Selkirk," "Snowdrop," "Standard," "Supero," "Supple," "Tarpon," "Terrapin," "Tres," "Tanker," "Uganda," "Valhalla," "Velvet"), Dept. H, 12th & Dure, Wilmington, Del.

Empire Tire & Rubber Corp. (" Merricam," "Alabama," "Advance," "Amazon," "Monitor," "Eagle," "Model," "Empire's Best," "Diamond," "La Salle," "Greenhouse," "Hercules," "Chicago," "Vulcan," "Perfect," "Hero," "High Test" & "Peninsular"), Trenton, N. J.

Fabric Fire Hose Co., 127 Duane, New York

Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book

Goodall Rubber Co. ("Goodall Semi-Metallic"), 8th & Locust, Phila., Pa.

Goodrich B. F. Rubber Co., Akron, Ohio

Goodyear Rubber Co. (All Sizes, " Hippo," "Rhino," "Tortoise," "Plover"), 539 Mission, San Francisco, Cal.

Goodyear Rubber Co. & Rubber Clothing Co. ("Gold Seal," "Pioneer"), 787 B'way, New York

Goodyear Tire & Rubber Co., Inc. ("Good Year"), 1144 E Market, Akron, Ohio

Gutta Percha & Rubber Mfg. Co. ("Ridgewood," "Wallabout," "Maltese Cross"), 350 Madison av, New York

Hamilton Rubber Mfg. Co., Trenton, N. J.

Hewitt Rubber Co., Buffalo, N. Y.

Home Rubber Co. ("Black Seal," "Tiger," "White Cross," "World," "N. B. O."), Trenton, N. J.

Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*

Johns Manville, Inc., Madison av & 41st, New York

Manhattan Rubber Mfg. Co., Passaic, N. J.

Mechanical Rubber Co. ("Monarch," "Bengal," "Beaver," "Competition," "Superior," "Chicago"), 2639 W Grand, Chicago, Ill.

Mulconroy Co., 54th & Jefferson, Phila., Pa.

National India Rubber Co. ("Anchor," "Bristol," "Aurora," "Fidelity," "National," "Narragansett," "Massasoit," "Red Oak," "Ruby," "Pontiac," "Saranac," "Sagamore," "Seekonk," "Seminole," "Wauregan"), Bristol, R. I.

New Jersey Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.

NEW YORK BELTING & PACKING CO. ("Carbon," "Double Diamond"), 91 Chambers, New York

Pioneer Rubber Mills ("Live Oak," "Seal Rock," "Sunset," "Bay City," "Native," "Crackproof," "Clover," "Poppy" & "Sunproof"), 68 Sacramento, San Francisco, Cal.

QUAKER CITY RUBBER CO. ("Atlantic" "Crown," "Ebonite," "Hercules," "Quaker City," "Ringmeter," "Standard," "Suprise," "Wonderful," "Yankee"), 3927 Comly, Philadelphia, Pa.
See adv index at end of book

Republic Rubber Co. ("Tower," "Hector," "Sanco," "Hydro," "Republic"), Youngstown, O.

Revere Rubber Co. ("Giant," "Granite," "Shawmut"), Chelsea, Mass.

Rex-Harris Fire Appliance Co. (Fire & Garden), 310 W 39th, New York

Safety Fire Extinguisher Co., 295 7th av, New York

SMYTH RUBBER & PACKING CO., 512 Mercer, Jersey City, N. J.

Snyder M. L. & Son ("Samson," "Warrior," "Swiftsure"), 223 Church, Phila., Pa.

Union Asbestos & Rubber Co. (Jobbers), 351 E Ohio, Chicago, Ill.
See adv index at end of book

U. S. Rubber Co. ("Anaconda," "U. S. Neptune" Deck, "Premier"), 1790 Broadway, New York
See adv index at end of book

"U. S." Garden Hose MOLDED OR WRAPPED
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

Voorhees Rubber Mfg. Co. ("Bostwick," "Sensation," "Federal," "Pacific," "Sentinel," "Celtic," "Saxon," "American," "Conqueror," "Contest"), 18 Bostwick av, Jersey City, N. J.

White E. V. & Co. (Mfrs. Agts.), 420 Water, Norfolk, Va.

Whitehead Bros. Rubber Co. ("Competition," "Thistle," "Juno," "Clover," "Golden Rod," "Ivory," "Long Life"), Trenton, N. J.

Woven Steel Hose & Rubber Co., Trenton, N. J.

6467a— Hose (Sand Blast)

Cincinnati Rubber Mfg. Co. ("Losant," "Arno"), Norwood, Cincinnati, Ohio

Darcoid Company, 1780 Broadway, New York *See adv index at end of book*

Electric Hose & Rubber Co. ("Valhalla"), 12th & Dure, Wilmington, Del.

Goodall Rubber Co., 8th & Locust, Philadelphia, Pa.

Goodyear Tire & Rubber Co., Inc. ("Good Year"), 1144 E Market, Akron, Ohio

Hewitt Rubber Co., 246H Kensington av, Buffalo, N. Y.

Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book

MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

Quaker City Rubber Co. ("Quaker City," "Crown"), 3927 Comly, Philadelphia, Pa.
See adv index at end of book

U. S. Rubber Co. ("U. S. Four Ace"), 1790 Broadway, New York
See adv index at end of book

"U.S." Four Ace Sand Blast Hose
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

6468— Hose (Steam)

AMERICAN METAL HOSE CO. ("American"), Waterbury, Conn.

Breeze Metal Hose & Mfg. Co., 250 South, Newark, N. J.

Carpenter Geo. B. & Co. (Old Colony), 434 N Wells, Chicago
See adv index at end of book

CHICAGO TUBING & BRAIDING CO., 240 N Clinton, Chicago, Ill.
See adv index at end of book

CINCINNATI RUBBER MFG. CO. ("Losant," "Arno," "Congo"), Norwood, Cincinnati, Ohio
See adv index at end of book

The Cincinnati Rubber Mfg. Co.
Cincinnati, Ohio
MECHANICAL & SPECIAL MOULDED RUBBER GOODS
Pacemaker Rubber Transmission Belting, Arno Conveyor Rubber Belting, Losant Hose for Steam, Water, Air, Norka Packing.
MECHANICAL RUBBER SPECIALTIES MADE TO ORDER

Darcoid Company, 1780 Broadway, New York *See adv index at end of book*
Electric Hose & Rubber Co. ("Colossus," "Electric," "Supero," "Tanker"), 12th & Dure, Wilmington, Del.
Goodall Rubber Co., 8th & Locust, Philadelphia, Pa.
Goodyear Tire & Rubber Co., Inc. ("Good Year"), 1144 E Market, Akron, Ohio
Hewitt Rubber Co., 246H Kensington av, Buffalo, N. Y.
Keckley O. C. Co. ("Pocahontas," "Jupiter," "Venus"), 318H Washington av, Chicago, Ill.
Mulconroy Co., Inc. ("Hero," "Dynamite," "Model," "Mulconroy," "New Process," "Victor"), 54th & Jefferson, Phila., Pa.
Pioneer Rubber Mills ("Seal Rock"), 68 Sacramento, San Francisco, Cal.
QUAKER CITY RUBBER CO. ("Ebonite," "Quaker City," "Crown," "Hercules," "Atlantic"), 3927 Comly, Philadelphia, Pa.
See adv index at end of book
Republic Rubber Co., Dept H, Youngstown, O.
Snyder M. L. & Son ("Samson," "Warrior" & "Swiftsure"), 223 Church, Phila., Pa.
Titeflex Metal Hose Corp., Badger av & Runyon, Newark, N. J.
U. S. Rubber Co. ("U. S. Grant," "U. S. Perfected," "U. S. Rainbow"), 1790 Broadway, New York
See adv index at end of book

"U. S." GIANT STEAM HOSE
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

6469— Hose (Steam Drill)

Darcoid Company, 1780 Broadway, New York *See adv index at end of book*
Goodall Rubber Co., 8th & Locust, Philadelphia, Pa.
Gutta Percha & Rubber Mfg. Co., 350 Madison av, New York
Hewitt Rubber Co., 246H Kensington av, Buffalo, N. Y.
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book

6470— Hose (Submarine)

Acme Rubber Mfg. Co., Trenton, N. J.
Boston Belting Corp., 80 Elmwood av, Boston, Mass.
Electric Hose & Rubber Co. ("Buoy," "Electric"), 12th & Dure, Wilmington, Del.
Empire Tire & Rubber Co., Trenton, N. J.
Flexible Armored Hose Co., 45 N Division, Buffalo, N. Y.
Goodrich B. F. Co., Akron, O.
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Hewitt Rubber Co., Buffalo, N. Y.
Home Rubber Co., Trenton, N. J.
Manhattan Rubber Mfg. Co., Passaic, N. J.
Republic Rubber Co., Youngstown, O.
Revere Rubber Co., Chelsea, Mass.
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.

6471— Hose (Suction)

Acme Rubber Mfg. Co., Trenton, N. J.
Allen W. D. Mfg. Co. ("Lexington," "United States," "Mandarin," "Killarney," "Neptune"), 566 West Lake st, Chicago, Ill.
Boston Belting Corp., 80 Elmwood av, Boston, Mass.
Boston Woven Hose & Rubber Co. ("Blue Bell," "Bay State," "Tiger," "Cowen," "Royal," "Harvester," "Gleaner" "Granger," "Wizard"), Cambridge, Mass.
Breeze Metal Hose & Mfg. Co., 250 South, Newark, **N. J.**
Castle Jas. M., Inc., 1224 Arch, Phila., Pa.
CINCINNATI RUBBER MFG. CO. ("Broncho," Heavy Suction, "Plymouth," Agricultural Suction, "Sandow," Sand Suction), Norwood, Cincinnati, Ohio
See adv index at end of book
Combination Rubber Mfg. Co., Bloomfield, N. J.
Continental Rubber Works, Erie, Pa.
Edson Mfg. Corp. ("Edson"), 375H B'way, Boston, Mass.
Electric Hose & Rubber Co. ("Acetic," "Colossus," "Manila," "Oleic," "Seaford," "Standard," "Supple," "Tanker"), 12th & Dure, Wilmington, Del.
Empire Tire & Rubber Corp., Trenton, N. J.
Flexible Armored Hose Co., 45 N Division, Buffalo, N. Y.
Goodall Rubber Co., 8th & Locust, Philadelphia, Pa.
Goodrich B. F. Co. (Extra Heavy), Akron, Ohio
Goodyear Tire & Rubber Co., Inc. ("Good Year"), 1144 E Market, Akron, Ohio
Gutta Percha & Rubber Mfg. Co. ("Maltese Cross," "Ridgewood," "Wallabout"), 350 Madison av, New York
Hewitt Rubber Co. ("Magnus," "Elmwood," "Linwood," "Maywood," Smooth Bore & Hat Rubber), Buffalo, N. Y.
Home Rubber Co., Trenton, N. J.
Mercer Rubber Co., Hamilton sq, N. J.
Mulconroy Co., Inc. ("Hero," "Model," "Grant"), 54th & Jefferson, Phila., Pa.
Myers F. E. & Bro., 950 Orange, Ashland, Ohio
National Copper Smelting Co., 1895 Coltman rd, Cleveland, Ohio
See adv index at end of book
N. J. Car Spring Rubber Co., 91 Brunswick, Jersey City, N. J.
New York Belting & Packing Co., 91 Chambers, New York
Pioneer Rubber Mills ("Seal Rock," "Sunset," "Bay City"), Sacramento, San Francisco, Cal.
Quaker City Rubber Co. ("Agton," "Ebonite," "Hercules," "Grainfield," "Prairy," "Red Acre," "Red Field," "Revolc," "Ruhral," "Atlantic," "Jector," "Quaker City," "Crown," "Hercules Norwald"), 3927 Comly, Philadelphia, Pa.
See adv index at end of book
Republic Rubber Co., Youngstown, O.
U. S. Rubber Co. ("Huron" Agricultural, "U. S. Pilot"), 1790 Broadway, New York *See adv index at end of book*

"U. S." SUCTION HOSE
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

Whitehead Bros. Rubber Co. (Wire & Smooth Bore), Trenton, N. J.
Woven Steel Hose & Rubber Co., Trenton, N. J.

Hose (Tank)

See Hose, Garden, Steam, Mill, Etc.

6472—Hose (Tank Car—Unloading)

AMERICAN METAL HOSE CO. ("American"), Waterbury, Conn.
CHICAGO TUBING & BRAIDING CO., 240 N Clinton, Chicago, Ill.
See adv index at end of book
Electric Hose & Rubber Co., Dept. H, 12th & Dure, Wilmington, Del.
Fenwick-Reddaway Mfg. Co., 46 Paris, Newark, N. J.
Goodall Rubber Co., 8th & Locust, Philadelphia, Pa.
Hewitt Rubber Co., 246H Kensington av, Buffalo, N. Y.
METAL HOSE & TUBING CO., 252 Tillary, Brooklyn, N. Y.
See adv index at end of book

Hose (Vacuum Cleaner)

See Hose, Wire Wound

Hose (Vinegar)

See Hose (Acid)

6473— Hose (Water)

See also Hose, Rubber

Breeze Metal Hose & Mfg. Co., 250 South, Newark, N. J.
Castle Jas. M. Inc., 1224 Arch, Phila., Pa.
CINCINNATI RUBBER MFG. CO. ("Losant," "Bolivian," "Delva"), Norwood, Cincinnati, Ohio
See adv index at end of book

The Cincinnati Rubber Mfg. Co.
Cincinnati, Ohio
MECHANICAL & SPECIAL MOULDED RUBBER GOODS
Pacemaker Rubber Transmission Belting, Arno Conveyor Rubber Belting, Losant Hose for Steam, Water, Air, Norka Packing.
MECHANICAL RUBBER SPECIALTIES MADE TO ORDER

Electric Hose & Rubber Co. (Also Hot, "Colossus," "Caliente," "Electric," "Supero," "Velvet"), 12th & Dure, Wilmington, Del.
Fenwick-Reddaway Mfg. Co., 46 Paris, Newark, N. J.
Goodall Rubber Co., 8th & Locust, Philadelphia, Pa.
Goodyear Tire & Rubber Co., Inc. ("Good Year"), 1144 E Market, Akron, Ohio
Hewitt Rubber Co. ("Wrapped Duck," "Magnus," "Elmwood," "Linwood," "Maywood" Molded & Braided "Hewitt"), Buffalo, N. Y.
Keckley O. C. Co. ("Niagara," "Kongo," "Nile"), 318H Washington av Chicago, Ill.
Mulconroy Co., Inc. ("Garnet," "Hero," "Model," "Mulconroy," "New Process," "Victor"), 54th & Jefferson, Phila., Pa.
QUAKER CITY RUBBER CO. ("Quaker City," "Crown," "Hercules," "Atlantic"), 3927 Comly, Philadelphia, Pa.
See adv index at end of book
Snyder M. L. & Son, 223 Church, Phila., Pa.
Titeflex Metal Hose Corp., Badger av & Runyon, Newark, N. J.
U. S. Rubber Co. ("U. S. Agra," for Agricultural Work, "Mogul," "U. S. Rainbow" Street Flushing, "Shawmut," "U. S. Perfected," "Bengal"), 1790 Broadway, New York
See adv index at end of book

"U. S." WATER HOSE
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

6474— Hose (Wire Wound)

Acme Rubber Mfg. Co., Trenton, N. J.
Allen & Billmyre Co., Inc., Grand Central Palace, New York
See adv index at end of book
AMERICAN METAL HOSE CO. ("American"), Waterbury, Conn.
Boston Belting Corp., 80 Elmwood av, Boston, Mass.
Boston Woven Hose & Rubber Co., Cambridge, Mass.
Breeze Metal Hose & Mfg. Co., 250 South, Newark, N. J.
Cincinnati Rubber Mfg. Co., Norwood, Cincinnati, Ohio
See adv index at end of book
Combination Rubber Mfg. Co., Bloomfield, N. J.
Continental Rubber Works, Erie, Pa.
Electric Hose & Rubber Co. ("Electric," "Milton," "Velvet"), 12th & Dure, Wilmington, Del.
Empire Tire & Rubber Corp., Trenton, N. J.
Goodall Rubber Co., 8th & Locust, Philadelphia, Pa.
Goodrich B. F. Co., Akron, O.
Gutta Percha & Rubber Mfg. Co., 350 Madison av, New York
Hewitt Rubber Co., Buffalo, N. Y.
Home Rubber Co., Trenton, N. J.
Manhattan Rubber Mfg. Co., Passaic, N. J.
Myers F. E. & Bro., 950 Orange, Ashland, Ohio
See adv index at end of book
National India Rubber Co., Bristol, R. I.

(Continued on following page)

Hose (Wire Wound)—Continued

New Jersey Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
New York Belting & Packing Co., 91 Chambers, New York
Quaker City Rubber Co., 3927 Comly, Philadelphia, Pa.
See adv index at end of book
Revere Rubber Co., Chelsea, Mass.
U. S. RUBBER CO. ("U. S. Security"), 1790 Broadway, New York
See adv index at end of book
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
Whitehead Bros. Rubber Co., Trenton, N. J.

6475—Hosiery (Elastic, Surgical)

Bauer & Black, 2500 S Dearborn, Chicago, Ill.
Brown W. E., 186 Broad, Providence, R. I.
Burton D. F., Pythian Temple, Cleveland, O.
Carter Wm. Co., Needham Heights, Mass.
Chesterman & Streeter, 25 S 11th, Phila., Pa.
Common Sense Truss Co., 306 W Madison, Chicago, Ill.
Curtis & Spindell Co., Lynn, Mass.
Flavell Geo. W. & Bro., 1011 Spring Garden, Phila., Pa.
Freeman Mfg. Co., 2427 Cass av, Detroit, Mich.
Gorse F. W. Co., Needham Heights, Mass.
Gorse Wm. & Co., Needham Heights, Mass.
Hessler H. H., 38 Arcade, Cleveland, O.
Holmes Isaac, 3519 Zusnstein, Cincinnati, O.
Holmes O. H. (Seamless Cotton & Silk), Conshohocken, Pa.
Horn Wm. H. & Bro. ("Hornbro Seamless," "Antler"), 451 N 3d, Phila., Pa.
Kendrick James R. Co., Dept. H, Germantown av & Pasterius av, Germantown, Phila., Pa.
Ladd Geo. W. Co., 34 Columbus, Boston, Mass.
Norman Wm. Co. (Cotton & Silk), 1832 Ogden av, Chicago, Ill.
Ohio Truss Co., 12 E 9th, Cincinnati, O.
Pacific Surgical Mfg. Co., Los Angeles, Cal.
Sharp & Smith, 65 E. Lake, Chicago, Ill.
Walton Thos S., Needham Heights, Mass.
Ware Mfg. Co. (Silk & Cotton), Camden, N. J.
White C. W. & Co., 99 Court, Boston, Mass.
Wood S. C. & Son, Pittsfield, Mass.

6475a—Hospital, Dental & Surgical Equipment

This heading includes the following: Bedside Tables, Cabinets (Medicine & Treatment), Curved Instrument Tables, Examining Tables, Instrument & Dressing Tables, Morgue Stretchers & Table, Nurses' Desks, Operating & Delivery Tables, Plain Tables, Shelving, Specialists' Cabinets & Tables, Stool Sets, Utensils (Solution Basins, Sponge Bowls, etc.), Wall Stands, etc.

Albatross Metal Furniture Co., Portland, Ore.
American Hospital Supply Co., 136 W Lake, Chicago, Ill.
American Sterilizer Co. The, 12th & Plum, Erie, Pa.
Baillard Co. E. V., 19 Roosevelt, New York
Barnstead Still & Sterilizer Co., Jamaica Plain, Boston, Mass.
Barrett Arch Supporter Co. Dr., Meadville, Pa.
Becton, Dickinson & Co., Rutherford, N. J.
Berla Elias, 232 Mulberry, Newark, N. J.
Betz Co. Frank S., Hammond, Ind.
Boston Instrument Mfg. Co., S. Boston, Mass.
Bradley & Co. John H., Philadelphia, Pa.
Buckstein Co. (Artificial Limbs), 610 3rd av, Minneapolis, Minn.
Carson J. H. M. (Artificial Limbs), Winnipeg, Manitoba, Can.
Carnes Artificial Limb Co., Kansas City, Mo.
Chandler & Fisher Ltd., Winnipeg, Manitoba, Canada
Codman & Shurtleff Inc., Boston, Mass.
Colson Co. (Food Trucks), Elyria, Ohio
Crane Company (Arm & Leg Baths), 836 S Michigan av, Chicago, Ill.
Davidson Mfg. Co. Ltd. Thos., 187 Delisle, Montreal, Can.
Dentists' Supply Company The, York, Pa.
Deutsche William, Minneapolis, Minn.
DeVilbiss Mfg. Company The, Toledo, O.
Doerflinger Artificial Limb Co., Milwaukee, Wis.
Dougherty Co. The H. D., 17th & Indiana av, Philadelphia, Pa.
Electro-Mechanical Machine Co., 526 W 39th, New York
Feick Bros. Co., 809 Liberty av, Pittsburgh, Pa.
Fulton Co. Robt. A., 422 Penn av, Pittsburgh, Pa.
Gustafson & Schwartz, 39 Haverhill, Boston, Mass.
Hanger Co. J. G., 622 Smithfield, Pittsburgh, Pa.
Hospital Import Corp., 48 E 25th, New York
Hospital Supply Co., 155 E 23rd, New York
Ingram & Bell Ltd., 256 McCaul, Toronto, Canada
INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book



Kny-Scheerer Corporation of America, 56 W 23rd, New York
Kronman Inc. E., 211 W 19th, New York
Lentz & Sons Chas., Philadelphia, Pa.
Liberty Coppersmithing Co., N Howard, Philadelphia, Pa.
Linder Robert, 148 E 53rd, New York
Martin-Halsted Co., Detroit, Mich.
Mayo Clinic, Rochester, Minn.
Metal Craft Ltd., Grimsby, Ontario, Can.
Minneapolis Artificial Limb Co., Minneapolis, Minn.
Morris Harry J., Los Angeles, Calif.
Mott Iron Works The J. L., 118 5th av, New York
Phelps W. R., National Park, N. J.
Pomeroy Co., 208 Livingston, Brooklyn, N. Y.
Prometheus Electric Corp., 360 W 13th, New York
Pryor R. J., 537 17th, Oakland, Calif.
Radium Company of Colorado Inc. The, Box 1316, Denver, Colo.
Ried Bros. Inc., 91 Drumm, San Francisco, Calif.
Richardson-Wright & Co., 65 Beverly, Boston, Mass.
Ross Inc. Will, Buffalo, N. Y.
Ruslander & Son A. S., Buffalo, N. Y.
Salt Lake Artificial Limb Co., Salt Lake, Utah
Scanlon-Morris Co., Madison, Wis.
Schnellbacher Ludwig, 4313 Lincoln, Chicago, Ill.
Schoedinger F. O., 321 Mt. Vernon av, Columbus, Ohio
Scholl Mfg. Co. The, 211 W Schiller, Chicago, Ill.
Sharp & Smith, 65 E Lake, Chicago, Ill.
Sholes Inc., 186 Lafayette, New York
Sklar Mfg. Co. J., 133 Floyd, Brooklyn, N. Y.
Snell, Inc., R. W., Memphis, Tenn.
Soldiers Re Establishment Dept. of the Government of Montreal, P. O., Canada
Stearnes Company The (Food Trucks), 133 W Lake, Chicago, Ill.; 1117 Farnam, Omaha, Neb.
Surgical Selling Co., 65 Forrest av, Atlanta, Ga.
Tascarella Brothers, 65 George, Brooklyn, N. Y.
Tiemann & Company Geo., 83 Boerum pl, Brooklyn, N. Y.
Tower Company W. G., Buffalo, N. Y.
Universal Artificial Limb Co., 159 N State, Chicago, Ill.
U. S. Stamping Co., Moundsville, W. Va.
Van Vleet Mansfield Drug Co., Memphis, Tenn.
Vinton Company, Portland, Ore.
Vocational School for U. S. Veterans The, Boston, Mass.
Wagner Dr. George C., Tacoma, Wash.
Wahmann Mfg. Co. George H., Baltimore, Md.
Watson Co. The, Attleboro, Mass.
Weiss & Co. M., Newark, N. J.
White Dental Mfg. Co. The S. S., 211 S 12th, Philadelphia, Pa.
Williams Jones, Denver, Col.
Wilmot Castle Co., Rochester, N. Y.
Wocher & Son Co. The Max, Cincinnati, O.
Wrought Iron Range Co., Boston, Mass.

6476-7—Hot Soda Apparatus (Automatic)

Rowe L. L., 74 Portland, Boston, Mass.

Hotel Cooking Apparatus

See Cooking Apparatus

Hotel Equipment

See Restaurant & Cateteria Equipment

6478—Hotel-Ware (Polished Steel, Etc.)

Bucyrus Copper Kettle Works Co. (The) (Copper), Bucyrus, O.
Cleveland Stamping & Tool Co. ("Solid Steel" Polished & Tinned), E 53rd & Hamilton, Cleveland, O.
National Enameling & Stamping Co. (Wrought Steel), 411 5th av, New York

6478a—Hotel & Kitchen Outfits

See also Cooking Apparatus

Aluminum Cooking Utensil Co. ("Wear Ever"), New Kensington, Pa.
Budd & Westermann, 7th av & 29th, New York
Hoos Jno. Co. (Dirs.), 308 S Hanover, Baltimore, Md.
Kronman E., 211th & W 19th, New York
Metal Package Corp. of N. Y., 110 E 42nd, New York *See adv index at end of book*
Sexton S. B. Stove & Mfg. Co., 500 W Conday, Baltimore, Md.
Smith's John E. Sons Co. (Food Choppers, Bread Slicers, etc.), 50H Broadway, Buffalo, N. Y.

6479-80— Hounds (Bent)

Crane & MacMahon, Inc., St. Marys, Ohio
Eureka Bending & Wheel Works, York, Pa.
Fort Smith Rim & Bow Co., Fort Smith, Ark.
Graham Thos. & Co., Madison, Ind.
Kohler F. F., South Zanesville, O.
Lamb-Fish Lumber Co., Charleston, Miss.
Metropolis Bending Co., Metropolis, Ill.
Shepard H. G. & Sons, James & River, New Haven, Conn.

House Numbers

See Numbers & Letters, Metal

House Wreckers

See Building Materials, Second Hand

House & Porch Trimmings, Etc.

See Columns, Porch, Etc.; also Corner, Base & Head Blocks; also Doors, Hardwood & Veneered; also Grille, Fret & Lattice Work; also Interior Finish, Wholesale Manufacturers; also Lumber Manufacturers; also Mouldings, Various Kinds; also Ornaments, Wood; also Sash, Door & Blinds; also Stair Builders' Supplies; also Wood Turnings, Various Kinds

6481— Household Reminders

Kohler Die & Specialty Co. ("Deaton"), De Kalb, Ill.

6482-3—Houses (Farrowing, Hog)

Martin Steel Products Co., Mansfield, O.

6484—Houses (Pole or Pilot)

Central Telephone & Electric Co., 310 N 11th, St. Louis, Mo.
Cook Electric Co., 2700 Southport, Chicago, Ill.

6484a—Houses (Ready Cut)

Aladdin Co., Bay City, Mich.
Bay City Ready Cut Home Co., Bay City, Mich.
Fenner Mfg. Co., Artisans bldg, Portland, Ore.
International Mill & Timber Co., Bay City, Mich.
Lewis Mfg. Co., Bay City, Mich.
Luhring Lumber Co., 15 Morton, Evansville, Ind.

National Mill & Lumber Co., 320 Market, San Francisco, Cal.; and 2 Rector, New York
Pacific Ready-Cut Homes, Inc., 1330 S Hill, Los Angeles, Cal.
Redimade Bldg. Co., Tillamook & Larrabee, Portland, Ore.
Redimade Building Co. ("Redimade"), 2610 Santa Fe av, Los Angeles, Cal.
Sears Roebuck & Co., Arlington & Homan av, Chicago, Ill.
Simplex Unit Constr. Co. ("Simplex Unit"), 106 11th, San Francisco, Cal.

6484b—Houses (Sectional, Metal)

Am. Portable House Co., Arcade bldg, Seattle, Wash.
Anchor Corrugating Constr. Co., 145 W 41st, New York
Ashley Steel Buildings Co. Inc., 1270 B'way, New York
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
Bancroft-Jones Corp., 9 Hubbard, Buffalo, N. Y.
Carbo Steel Products Co., 2600 W 11th, Chicago, Ill.
Case Mfg. Co., 117 Liberty, Jackson, Mich.
Chesebro Whitman Co., 1167 1st av, New York
Columbian Steel Tank Co. (New England), 1601 W 12th, Kansas City, Mo.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
Harris Bros. Co., 35th & Iron, Chicago
Harry Bros. Co. ("Harry's Galvanized Iron), Carr & I. C. R. R., New Orleans, La.
Harry O. K. Steel Co., 2333 Papin, St. Louis, Mo.
Howell Field & Goddard, Review av, Long Island City, N. Y.
Hydraulic Steelcraft Co., 3151 E 61st, Cleveland, O.
Littleford Bros., 444 E Pearl, Cincinnati, Ohio *See adv index at end of book*
MARYLAND METAL BUILDING CO., McComas & Race, Baltimore, Md.
See adv index at end of book
PENN METAL CO. ("Penco"), 65 A Franklin, Boston, Mass.
Pruden C. D. Co. ("Prudential" Steel), Dock & Warner, Baltimore, Md.
Simplex Unit Constr. Co. ("Simplex Unit"), 106 11th, San Francisco, Cal.
Southern Foundry Co. (Steel), Owensboro, Ky.
Steel Fabricating Corp. ("Stefco" Industrial), Michigan City, Ind.
Swartwont Co., 18515 Euclid av, Cleveland, Ohio

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6484c—Houses (Sectional, Wood)

American Portable House Co., Arcade bldg, Seattle, Wash.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
Bossert Louis & Son, 1335 Grand, Brooklyn, N. Y.
Edwards Mfg. Co., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
Factibilt Co., 1828 9th av, Seattle, Wash.
Gold Medal Camp Furniture Mfg. Co., Racine, Wis.
Hodgson Ernest F. Co., 73 Federal, Boston, Mass.
Karr Portable House Co., 2554 W Irving Park blvd, Chicago, Ill.
Luhring Lumber Co., 15 Morton, Evansville, Ind.
MARYLAND METAL BUILDING CO., McComas & Race, Baltimore, Md.
See adv index at end of book
Miller Mfg. Co., 3000H Alabama av, St. Louis, Mo.
Minter Homes Corp., Huntington, W. Va.
National Builders, Inc., Saginaw, Mich.
NATIONAL MILL & LUMBER CO., 320 Market, San Francisco, Cal.; and 2 Rector, New York
Pacific Ready-Cut Homes, Inc., 1330 S Hill, Los Angeles, Cal.
Routt Lumber Co. ("Routt" Factory Built,), 2011 Tyler, Fresno, Cal.
Simplex Unit Constr. Co. ("Simplex Unit"), 106 11th, San Francisco, Cal.
Thayer Portable House Co., Keene, N. H.
Togan Stiles ("Togan Buildings"), Grand Rapids, Mich.

6485— Housings (Axle)

Bossert Corporation, The (For Automobile, Motor Truck & Tractor), cor. Linden st & West av, Utica, N. Y.
Chicago Steel Foundry Co. (Cast Steel), 3201 S Kenzie av, Chicago, Ill.
Crosby Co., 183 Pratt, Buffalo, N. Y.
Detroit Pressed Steel Co., 6660 Mt. Elliott, Detroit, Mich.
Driggs-Seabury Ordnance Co., Sharon, Pa.
Lee & Porter Mfg. Co., Buchanan, Mich.
Michigan Steel Casting Co. (Rear), 1986 Guion, Detroit, Mich.
Pettis W. W. Co., 416-417 First Nat'l Bank bldg, Cincinnati, Ohio.
Smith A. O. Corp. (Automobile), Keefe & 27th, Milwaukee, Wis.
Youngstown Pressed Steel Co., Warren, O.

6486—Housings (Iron & Steel For Rolling Mills)

Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
Pennsylvania Furnace & Iron Co., 373 Pine, Warren, Pa.
See adv index at end of book

6487— Housings (Valve)

Clark H. W. Co., Mattoon, Ill.

6488-9—Hubs, Automobile (Ball & Roller Bearing)

Allith-Prouty Co. (For Ford Cars), Danville, Ill.
American Pulley Co., 114 S Clinton, Chicago, Ill.
Bossert Corp., The (Wire Wheel), cor. Linden st & West av, Utica, N. Y.
Commercial Shearing & Stamping Co., Youngstown, Ohio
Defiance Screw Machine Products Co., Defiance, O.
Harris & Reed, 1500 W 15th, Chicago, Ill.
Hill-Smith Metal Goods Co. ("H. S."), 82 Brookline, Boston, Mass.
Standard Wheel Co., Terre Haute, Ind.
Superb Mfg. Co., Inc., Monticello, Ind.
Weston-Mott Co., Flint, Mich.
YOUNGSTOWN PRESSED STEEL CO., Warren, O.
See adv index at end of book

6490—Hubs (Bicycle & Motor Cycle)

Corbin Screw Corp., New Britain, Conn.
Eclipse Machine Co. (Front & Rear), 18th, Elmira, N. Y.
Harris & Reed, 1500 W 15th, Chicago, Ill.
New Departure Mfg. Co. ("New Departure" Bicycle), Bristol, Conn.
See adv index at end of book
Zeigler Mfg. Co., Alexandria, Ind.

6491—Hubs (Carriage & Wagon Wheel)

Armstrong Wm. H., South Coventry, Conn.
Atkins Bros., Attoway, Va.
Avoca Wheel Co. (Elm), Avoca, N. Y.
Bailey C. & Co., Elmsport, Pa.
Baldwin Bros. (Wagon), Ironton, Mo.
Baltimore Hub-Wheel & Mfg. Co., Flswy & Gy, Baltimore, Md.
Barden & Robeson Corp., Penn Yan, N. Y.
Bookwalter Wheel Co., Miamisburg, O.
Buffington Wheel Co., Burlington, Ia.
Campbell M. R., Tullahoma, Tenn.
Clark-Gay Mfg. Co., Little Rock, Ark.
Cone Jos. D., North Vernon, Ind.
Crane & MacMahon, Inc., St. Marys, Ohio
Donges John & Co., Hamilton, O.
Eberly & Orris Mfg. Co., Mechanicsburg, Pa.
Fredericktown Lumber Co. (Wagon), Fredericktown, Mo.
Fulton, Conway & Co., Lluisville, Ky.
Gladding C. B., Geneva, O.
Graham Thos. & Co., Madison, Ind.
Hawesville Hub Mfg. Co., Hawesville, Ky.
Hinkle J. K. Mfg. Co., Dept. H, Mechanicsburg Pa.
Holt Bros. Mfg. Co., Concord, N. H.
Hoopes Bros. & Darlington (Elm), West Chester, Pa.
Hub Mfg. Co., Jonesboro, Ark.
Kellogg T. D. Lumber & Mfg. Co., Antigo, Wis.
Landis S. H. & Bro., Quakertown, Pa.
Lebzelter Phillip & Son Co., Lancaster, Pa.
Lee W. J. (Wagon), Arcadia, Mo.
Look & Lincoln, Marion, Va.
MacKinnon F. Mfg. Co., Grand Rapids, Wis.
Martin Hub Works, Tidioute, Pa.
Mays Manufacturing Co., Leslie, Ark.
Ness Bros. & Co., York, Pa.
Obrechts John Sons Mfg. Co., Tell City, Ind.
Pinneo & Daniels Co., Dayton, O.
Red Star Spoke Co., Fayetteville, Ark.
Redington Hub Co., Robys Corner, N. H.
Republic Rubber Corp., Dept H, Youngstown, O.
Reuter Hub & Spoke Co., Dexter, Mo.
Schmidt & Stork Wagon Co., West Bend, Wis.
Shaw Co., Crandon, Wis.
Shortsville Wheel Co. ("Heath," "Sweet"), Shortsville, N. Y.
Southern Wheel Stock Co., Ironton, O.
Standard Wheel Co., Terre Haute, Ind.
Stevens A. E. & Co., 15 Union, Portland, Me.
Stevenson Mfg. Co., South Bend, Indiana.
See adv index at end of book
Tell City Spoke Co., Tell City, Ind.
Wheel & Wood Bending Co., 241 John, Bridgeport, Conn.
White Oak Hub Co., Vina, Ala.

6491a—Hubs (Picture Film Reel)

Bogert & Hopper Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 Fifth av, New York
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book

6492—Hullers (Clover & Alfalfa)

Advance Rumley Co. ("Gear-Scott," "Rumley"), Madison & Lincoln Way, La Porte, Ind.
Avery Co. ("Yellow Fellow," "Yellow Kid," "Yellow Baby"), Peoria, Ill.
Birdsell Mfg. Co., South Bend, Ind.
Harder Mfg. Co., Cobleskill, N. Y.
Maytag Co., Newton, Ia.
Westinghouse Co. ("Westinghouse"), Schenectady, N. Y.

Hullers (Coffee & Rice)

See Rice & Coffee Hulling Machinery

6493—Hullers (Cotton Seed)

Accidental Oil Mills (& Linters), Belton, Texas
Am. Cotton Oil Co., 239 W 30th, New York
Bauer Bros. Co. (Disc), Bauer bldg., Springfield, O.
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, Ohio
See adv index at end of book
Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Davidson & Kennedy Co. ("Self Setting"), 872 N Ashley, Atlanta, Ga.
Diamond Huller Co. ("Big Giant," "Mammouth," "Diamond" Disc Huller & Separator), Winona, Minn.
Empire Cotton Oil Co., Bainbridge, Ga.
French Oil Mill Machinery Co. ("Job"), Piqua, O.
Murray Co., Dallas, Texas
Robinson H. Mfg. Co., Muncy, Pa.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book

6494—Hullers or Blanchers (Peanut)

Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Huston Tom Mfg. Co., Dept H, Columbus, Ohio
Lambert Machine Co., Marshall, Mich.

6495— Hullers (Pea & Bean)

Aultman & Taylor Mach. Co., Mansfield, O.
Avery Co. ("Avery," "Yellow Fellow," "Yellow Kid," "Yellow Baby"), Peoria, Ill.
Chattanooga Implement & Mfg. Co. ("Royal" Pea), Office E C, Chattanooga, Tenn.
Chisholm-Scott, Cadiz, O.
Davidson & Kennedy Co. (Soya Bean Seasame Seed, Rape Seed, Sunflower Seed), 872 N Ashley, Atlanta, Ga.
Farquhar A. B. Co. (Ltd.), York, Pa.
Huber Mfg. Co., Marion, O.
Huston Tom Mfg. Co., Dept H, Columbus, Ga.
Owens J. L. Co., Fulton & S E Huron, Minneapolis, Minn.
Sprague Canning Machinery Co. (Canners'), 222 N Wabash av, Chicago, Ill.
Westinghouse Co. ("Westinghouse"), Schenectady, N. Y.

6496— Hullers (Strawberry)

Cassady Fairbank Mfg. Co. ("Manehardt"), 6126 S La Salle, Chicago, Ill.
Stephens, Windsor & Co. ("Nip-It"), Waltham, Mass.
White Ira F. & Son Co., Bloomfield, N. J.

6497—Hulls (Steel Dredge, Etc.)

Ellicott Machine Corp., 111 Bush, Baltimore, Md.
See adv index at end of book
Fairbanks Steam Shovel Co., Marion, O.
Midland Barge Co. (Steel & Steamer), Dept. H, Midland, Pa.

6497a— Humidifiers

DIENER GEO. W. MFG. CO. ("Buddington"), 400-420 Monticello av, Chicago
See adv index at end of book

6498—Humidifiers (Cigar & Tobacco)

Bishop & Babcock Co. ("Humigars"), 1204 E 55th, Cleveland, O.
Bubeck & Guerin, 31 E 17th, New York
Emmons Collins Mach. Co. ("Electrohume"), Western Springs, Ill.
Eureka Blotter Bath Co. ("Eureka"), 3732 S. Wallace, Chicago, Ill.
Saal H. G. Co., 1800 Montrose av, Chicago, Ill.

6499— Humidifying Apparatus

See also Moistening Apparatus, Air

Am. Blower Co., 6004 Russell, Detroit, Mich.
Am. Moistening Co. ("Comins" Sectional), 251 Causeway, Boston, Mass.
Atmospheric Conditioning Co. ("Webster"), LaFayette bldg, Phila., Pa.
Briggs-Shaffner & Co. ("Hygrosso"), Winston-Salem, N. C.
Carrier Engineering Corp., 750 Frelinghuysen av, Newark, N. J.
Emmons Collins Mach. Co. ("Electrohume" Electric), Western Springs, Ill.
Green Fuel Economizer Co., Beacon, N. Y.
Grinnell Co., Inc. ("Grinnell"), 275 W Exchange, Providence, R. I.
Gunther Mfg. Co. ("Gunther" Engine), 1343 S Hill, Los Angeles, Cal.
JOHNSON SERVICE CO. ("Johnson" Humidostat), 157 Michigan, Milwaukee, Wis. *See adv index at end of book*
Mineral Products Co. ("X Yno"), Rhinelander, Wis.
New England Ventilating & Heating Co., 926 Manton av, Providence, R. I.
Parks Cramer Co., Fitchburg, Mass.
Parks G. M. Co. ("Turbo" Humidifier), Fitchburg, Mass.
Rhode Island Humidifier Co., Boston, Mass.
Schutte & Koerting Co., 1251 N 12th, Phila., Pa. *See adv index at end of book*
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Tillotson Humidifier Co., 78 Fountain, Providence, R. I.
Wiese Elec'l Appliance Co., 3217 Lisbon av., Milwaukee, Wis.

6500— Humiditors

Bubeck & Guerin, 31 E 17th, New York

6500a— *Humidors (Cigar)

Bogert & Hopper Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

Humidostats

See Humidifying Apparatus

6500b— Humus

See also Fertilizer Mfrs

Alphano Humus Co. (Prepared), 2 Rector, New York
Hyper-Humus Co., Newton, N. J.

6501-2—Husker & Shredders (corn)

See also Pickers & Huskers, Corn

Adams Husker Co., Marysville, O.
Advance Rumley Co. ("Adams," "Advance" 8 & 12 Roll), Madison & Lincoln Way, La Porte, Ind.
Appleton Mfg. Co. ("Appleton"), Batavia, Ill.
Clark R. F. Mfg. Co. ("Clark," "Corn King," "Corn Queen," "Huskit," "Mascot," Hand Corn Huskers), 702 N Halsted, Chicago, Ill.
Decatur Novelty Wks. ("Hill," Corn Huskers only), Decatur, Ill.
International Harvester Company of America (Inc.), ("Deering," "McCormick"), Harvester bldg, Chicago, Ill.
Invincible Grain Cleaner Co. (Huskers Only), Silver Creek, N. Y.
Kolling Husker Works ("Kolling"), Arlington Heights, Ill.
Maytag Co. ("Success"), Newton, Ia.
Milwaukee Hay Tool Co., Layton Park, Milwaukee, Wis.
Ohio Cultivator Co., Bellevue, O.
Peerless Husker Co., 523 Cornwall av, Buffalo, N. Y.
Port Huron Engine & Thresher Co., Port Huron, Mich.
Rosenthal Corn Husker Co. ("Rosenthal"), West Allis, Milwaukee, Wis.
Smalley Mfg. Co., Manitowoc, Wis.
Sproul Matt Co. ("Carey Perfect"), Sparta, Ill.
U. S. Wind Engine & Pump Co. ("U. S." Corn Huskers), Dept. H, Wilson & River, Batavia, N. Y.
Wallingford Mfg. Co. ("Excelsior"), Wallingford, Vt.
Walrath Alphonso Co. (Trunk Tin & Iron Huskers, etc), Fort Plain, N. Y.

6503— Hydrants (Fire)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Beaumont Valve & Hydrant Works, Kankakee, Ill.
Bourbon Copper & Brass Works, Cincinnati, O.
Cayuta Mfg. Co. ("K-U-T-A"), Sayre, Pa.
Chapman Valve Mfg. Co., Indian Orchard, Mass.
Coffin Valve Co., Neponset, Boston, Mass.
Columbian Iron Works ("Columbian"), 811 Boyce, Chattanooga, Tenn.
Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
Douglas W. & B., Middletown, Conn.
Eddy Valve Co. (Post & Flush), Waterford, N. Y.
Garratt W. T. & Co., 299 Fremont, San Francisco, Cal.
Glamorgan Pipe & Foundry Co., Lynchburg Va.
Greenberg's M. & Son (& Wharf), Folsom & Alice, San Francisco, Cal.
Howard Iron Works, Buffalo, N. Y.
Iowa Valve Co. ("Iowa"), Oskaloosa, Ia.
KENNEDY VALVE MFG. CO. ("Newtype"), Elmira, N. Y.
See adv index at end of book
Keystone Iron Work, 37th & Santa Fe av, Los Angeles, Cal.
Kupferle Jno. C. Foundry Co. ("Eclipse"), 1st & Wright, St. Louis, Mo.
Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.
McKim Foundry & Machine Co. ("Hooker") Lockport, N. Y.
Macungie Brass & Mfg. Co. ("Niagara," "Peerless" & "Anti-Freezing"), Macungie, Pa.
Madsen Iron Works, 5529 Bicket, Huntington Park, Cal.
Myers F. E. & Bro., 950 Orange, Ashland, O.
See adv index at end of book
National Iron Works, Ft. 7th, San Diego, Cal.
Norwood Engineering Co. ("Holyoke," "Walker"), Florence, Mass.
Pratt & Cady Co. ("P & C"), Hartford, Conn.
Rensselaer Valve Co. ("Corey"), Dept. H, Troy, N. Y.
Ross Valve Mfg. Co. (Portable), 9 Oakwood av, Troy, N. Y.
Safety Fire Extinguisher Co., 295 7th av, New York
Sanitas Mfg. Co., ("Sanitas" Automatic Non-Freezing), 105 Washington, Boston, Mass.
Smith A. P. Mfg. Co. (High & Regular Pressure), East Orange, N. J.
South Park Foundry & Machine Co., St. Paul, Minn.
Stephens Roe Mfg. Co., 1097 McKinley, Detroit, Mich.
United Casting Co., Wilson & Violet, Los Angeles, Cal.
United Engine & Machine Co., Inc., 507 Broadway, Fresno, Cal.
Vogt Bros. Mfg. Co., Louisville, Ky.
Walworth Mfg. Co., Boston, Mass.
Waterous Fire Engine Co., 80 S Fillmore av, St. Paul, Minn.
WOOD R. D. & CO ("Mathews"), 400 Chestnut, Phila., Pa.

6504— Hydrants (Fire Boat)

Wood R. D. & Co., 400 Chestnut, Phila., Pa.

6505—Hydrants (Fire, Crane Attachment)

Kennedy Valve Mfg. Co., Elmira, N. Y.
See adv index at end of book
Wood R. D. & Co., 400 Chestnut, Philadelphia, Pa.

6506— Hydrants (Wall)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.

6507—Hydrants (Yard & Wash)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Bradley Washfountain Co., 2203 Sycamore, Milwaukee, Wis.
Columbiana Pump Co., Columbiana, O.
Continental Pipe Mfg. Co., Tacoma, Wash.
Darling Valve & Mfg. Co. (Yard), ft. of Walnut, Williamsport, Pa.
Douglas W. & B., Middletown, Conn.
Fales & Jenks Machine Co., Pawtucket, R. I.
Goulds Mfg. Co., 71 W Fall, Seneca Falls N. Y. *See adv index at end of book*
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
Haydenville Co. ("Lewis"), Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
See adv index at end of book
Henman D. A. & Co. (Rising City Yards), Sandwich, Ill.
Kemp C. M. Mfg. Co. (Yard "Climax" Iron or Wood), 405 E Oliver, Baltimore, Md.
Kupferle John C. Foundry Co. ("Total Eclipse," Yard & Wall), 1st & Wright, St. Louis, Mo.
Ludlow Valve Mfg. Co. "Ludlow"), ft. of Adams, Troy, N. Y.
Murdock Mfg. & Supply Co., 426 Plum, Cincinnati, O.
Myers F. E. & Bro., 950 Orange, Ashland, O.
See adv index at end of book
Nelson N. O. Mfg. Co. (& Fire), 10th & Chestnut, St. Louis, Mo.
Neumeyer H. F. & Son ("American"), Macungie, Pa.
Nichol Thos. J. & Co., Pearl & Ludlow, Cincinnati, O.
Quirin Jno. & Bro. (Street), St. Clair, Pa.
Rumsey Pump Co., Ltd., P. O. Box J, Seneca Falls, N. Y.
See adv index at end of book
Sanitas Mfg. Co., ("Sanitas" Automatic Non-Freezing), 105 Washington, Boston, Mass.
Vogel Joseph A. Co. (Frost Proof, Garage Only), 1203 Lombard, Wilmington, Del.
Walworth Mfg. Co., Boston, Mass.

6508—Hydrate (Ammonium)

General Chemical Co., 40 Rector, New York

Hydrate of Alumina

See Alumina

Hydrate of Barytes

See Barium Hydrate

6509— Hydraulic Rams

Barnes Mfg. Co., Mansfield, O.
Columbus Pump Co., Columbiana, O.
Comstock Geo. S. & Son, ("Kline"), Mechanicsburg, O.
Crestline Mfg. Co. ("Crestline"), Crestline Ohio
Crook H. E. Co., Inc., 28 Light, Baltimore, Md.
DEMING CO., Salem, O.
See adv index at end of book
Douglas W. & B., Middletown, Conn.
Gawthrop Allen Jr., Wilmington, Del.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Humphrys Mfg. Co., Mansfield, O.
Kline Jas. M., Beavertown, Pa.
Myers F. E. & Bro., 950 Orange, Ashland, O.
See adv index at end of book
RIFE HYDRAULIC ENGINE MFG. CO., 90 West, New York
Rumsey Pump Co. (Ltd.), Box J, Seneca Falls, N. Y.
See adv index at end of book
Skookum Co. The ("Columbia"), ft. Burlington, Portland, Ore.
Ward-Love Pump Corp. ("Warlo"), 716 Race, Rockford, Ill.
Worthington Pump & Machy. Corp., 115 B'way, New York

6510— Hydriatic Apparatus

Mott L. J. Iron Works, Trenton, N. J.

6511— Hydro-Carbon

Elaterite Varnish & Rubber Co. ("Elaterite"), 55th & Alameda, Los Angeles, Cal.
Fulper Edward B., Trenton, N. J.
Lamson John S. & Bro., 347 Madison av, New York
Ohio Electrolytic Oxygen Co., 942 Kenyon av, Cincinnati, Ohio
Raven Mining Co. ("Kapak"), 140 S Dearborn, Chicago, Ill.

6512— Hydrodeiks

Taylor Instrument Co.'s ("Tycos"), Rochester, N. Y.
Washington Compressed Gas Co., 2920 1st av S, Seattle, Wash.

Hydrofluosilicic Acid

See Acid (Hydrofluosilicic)

6513— Hydrogen

Balbach Co., Omaha, Neb.
California Compressed Gas Co. ("Purox"), 2311 E 52d, Los Angeles, Cal.
International Oxygen Co., 796 Frelinghuysen av, Newark, N. J.
Kentucky Oxygen Hydrogen Co., 1416 Magazine, Louisville, Ky.
Ohio Electrolytic Oxygen Co., 942 Kenyon av, Cincinnati, Ohio
Standard Gas Products Co. Inc. (Compressed), Atlanta, Ga.

6513a— Hydrogen Dioxide

Bene John & Sons, 437 Carlton av, Brooklyn, N. Y.
Brewer & Co., Worcester, Mass.
Fels & Co., 73rd & Woodland av, Phila. Pa.
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Mallenckrodt Chem. Wks., 2nd & Mallinckroft, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park pl, New York
Peuchot A. Inc., 469 W 35th, New York
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Riverside Mfg. Co., 4528 S B'way, St. Louis, Mo.
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book

6513b— *Hydrogen Peroxide

See also Hydrogen Dioxide

RIDDLE CHEMICAL CO., 35 S Dearborn, Chicago
See adv index at end of book
ROESSLER & HASSLACHER CHEMICAL CO., 706 6th av, New York
See adv index at end of book

6514— Hydrogrounds

Brach L. S. Supply Co., 129 Sussex av, Newark, N. J.
Lord Mfg. Co., 105 W 40th, New York

6515— Hydrokineters

Bethlehem Shipbuilding Corp., Ltd. (Boiler Circulating), Dept. H, Broadhead & Parker av, Bethlehem, Pa.
Schutte & Koerting Co. ("Koerting"), 1251 N 12th, Phila., Pa.
See adv index at end of book

6516— Hydrometers

American Thermo-Ware Co. (Battery, for Storage Use), 16 Warren, New York
Barker Bros. Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
Berg James Mfg. Co., 3707 12th av, Brooklyn, N. Y.
Braun-Knecht-Heimann Co. (Oil), 576-584 Mission, San Francisco, Cal.
Du Vivier Ernest H. (Imp.), 30 Church, New York
Edelmann E. & Co. ("Break Not"), 2332 Logan blvd, Chicago, Ill.
Eimer & Amend ("Brix"), 205 E 18th, New York
Fleischhauer F. & Son, Hollis, Long Island, N. Y.
Freas Francis L., Conshohocken, Pa.
Greiner Emil Co., 55 Fulton, New York
Griebel Instrument Co. (Oil, etc), Carbondale, Pa.
Hoehn R. Co., 31 Union sq., New York
Huddleston J. S. F., 132 Hanover, Boston, Mass.
Kessling Edw., 96 Suydam, Brooklyn, N. Y.
Moeller A. E. Co. ("A. E. M." Battery-Meter, Acid, Thermo & Gasoline), 261 Sumpter, Brooklyn, N. Y.
NURNBERG THERMOMETER CO. INC., 397 Bridge, Brooklyn, N. Y.
See adv index at end of book
Palmer Co., 804 E Court, Cincinnati, O.
Perfection Hydrometer Co. ("Perfection" Syringe), 742 Turner, Los Angeles, Cal.
Phila. Thermometer Co., 9th & Arch, Phila., Pa.
Precision Thermometer & Instrument Co., 1435 Brandywine, Phila., Pa.
Queen-Gray Co., 64-70H W. Johnson, Phila., Pa.
Scientific Instrument Co., 535 W Larned, Detroit, Mich.
Storage Battery Supply Co., 239 E 27th, New York
Tagliabue Chas. J. Mfg. Co., 18 33d, Brooklyn, N. Y.
Tagliabue G. (Est. of), 302 Pearl, New York
Taylor Instrument Companies ("Tycos"), Rochester, N. Y.
Vuille Chas. A., Huntingdon, Pa.
Wagner Carl H., 1944 N Albany av, Chicago, Ill.
Wagner Glass Works (Also Barometers), 697 E 132nd, New York
Weinhagen & Hespe, 159 Leonard, New York
Work Rite Mfg. Co., 1812 E 20th, Cleveland, O.

6517— Hydrone

Roessler & Hasslacher Chemical Co. (For Producing Hydrogen), 709 6th av, New York
See adv index at end of book

6518— Hydrophants

Huddleston J. S. F., 132 Hanover, Boston, Mass.

6519— Hydroquinene

Cooper & Cooper Inc., 23H Cliff, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park pl, New York
RIDDLE CHEMICAL CO., 35 S Dearborn, Chicago
See adv index at end of book
Seydel Mfg. Co., 88 Forrest, Jersey City, N. J..

6520-1-2-3— Hygrometers

Davis Instrument Mfg .Co. (Pocket), 112 W Fayette, Baltimore, Md.
Draper Mfg. Co., 45 Warren, New York
FOXBORO COMPANY, THE, ("Foxboro," Recording), Foxboro, Mass.
See adv index at end of book
Freas Francis L., Conshohocken, Pa.
Green Henry J. (Harr), 1191 Bedford av, Brooklyn, N. Y.
McCoy Joseph F. Co. ("Davis" Imported), 157 Chambers, New York
Philadelphia Thermometer Co. ("Masons," Wet & Dry Bulb), 9th & Arch, Phila., Pa.
Precision Thermometer & Instrument Co., 1435 Brandywine, Phila., Pa.
Queen-Gray Co., 64-70H W. Johnson, Phila., Pa.
Tagliabue Chas. J. Mfg. Co., 18 33d, Brooklyn, N. Y.
Taylor Instrument Co., 95 Ames, Rochester, N. Y.
Weinhagen & Hespe, 159 Leonard, New York

6524—Hypsometers or Thermo-Barometers

Green Henry J., 1191 Bedford av, Brooklyn, N. Y.
Youngstown Sheet & Tube Co. The, Youngstown, Ohio.

6525— Ice Tanks & Pans

BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Breese Bros. Co. The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
DOVER BOILER WORKS, Sales Office: 40 Church, New York; Works: Dover, N. J. *See adv index at end of book*
Graver Corp., 4020 Todd av, E. Chicago, Ind. *See adv index at end of book*
Hamler Boiler & Tank Co., Dept. H, W. 66th & S. 60th av, Chicago, Ill.
Hauser Stander Tank Co. (Wood Tanks), Ammen & B. & O. Ry, Cincinnati, O.
See adv index at end of book
Holan Metal Products Co. (Ice Tanks), N 40th & Clark av, Cleveland, O.
INGRAM-RICHARDSON MFG CO. (Enameled Iron), Beaver Falls, Pa.
See adv index at end of book
McNamara Bros. Co., Westport, Baltimore, Md.
Quaker City Iron Wks., Tioga & Richmond, Phila., Pa.
Treadwell Construction Co., Midland, Pa.

6525a— *Ice Tools

GIFFORD-WOOD CO., Hudson, N. Y.

6525b— Ichthyol

Merck & So., 45 Park pl, New York

6526—Icing Systems (Refrigerator Car)

Gay Engineering Corp., 2650 Sante Fe av, Los Angeles, Cal.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Lipman Refrigerator Car & Mfg. Co., Beloit, Wis.

6527—Idlers (Belt Conveyor)

Alvey-Ferguson Co., 70 North av, Oakley Cincinnati, O.
Alvey Manufacturing Co., 3201 S B'way, St. Louis, Mo.
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
See adv index at end of book
Jeffrey Mfg Co., 961 N 4th, Columbus, O
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Stearns Conveyor Co., St. Clair & E 200th, Cleveland, Ohio
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

6528— Idlers (Grooved)

CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
See adv index at end of book
Dow Wire & Iron Works, Louisville, Ky
Hill Clutch Machine & Foundry Co., W 65th, Cleveland, O.
JEFFREY MFG. CO., 961 N Fourth Columbus, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

6529—Igniters (Delay Electric)

Atlas Powder Co., Wilmington, Del.
DU PONT E. I. DE NEMOURS & CO. INC., Explosives & Smokeless Powder Depts., (For Blasting, see Adv. at Explosives), Wilmington, Del.
See adv index at end of book
Giant Powder Co. Cons., San Francisco, Cal.

6530—Igniters (Gas & Gasoline Engine)

(Magnetos & Dynamos)

Ace Magneto Co. ("Ace" High Tension), Goshen, Ind.
Akar Ignition Co. ("Akar"), 149 W Berkley, Phila., Pa.
Algonquin Elec. Mfg. Co. ("Liberty"), Poughkeepsie, N. Y.
American Bosch Magneto Corp. ("Bosch"), North Main, Springfield, Mass.
Apollo Magneto Corp. ("Apollo"), Kingston, N. Y.
Atwater Kent Mfg. Co., 4937H Stenton av, Phila., Pa.
Bosch Magneto Co. ("Bosch" Magnetos), 250 W 54th, New York
Byrne, Kingston & Co. ("Kingston"), Kokomo, Ind.
Connecticut Telephone & Electric Co., Inc (Magnetos), Meriden, Conn.
Dayton Electrical Mfg. Co. ("Dayton"), Dayton, O.
Dayton Engineering Laboratories Co., Dayton, O.
Dow Mfg. Co., Braintree, Mass.
Elkhart Mfg. Co. ("Elkhart"), Monroe, Mich.
Gilfillan Bros., Inc. (Replacement Parts), 1819 W 16th, Los Angeles, Cal.
Harris Elec. Co. (Auto Lighting), 255 California, San Francisco, Cal.
Heinze Electric Co., Lowell, Mass.
Henricks Magneto & Electric Co. **("Comet" Low Tension), Indianapolis, Ind.**
K-W Ignition Co. ("Vim"), Chester av & E 30th, Cleveland, O.
Kendrick, Davis Co. ("K. & D"), Lebanon, N. H.
Kokomo Electric Co. ("Kingston"), Kokomo, Ind.
Marburg Bros. ("Mea" Magnetos), 90 West, New York
Motsinger Device Mfg. Co. ("Auto Sparker"), Lafayette, Ind.
Motor Compression Co., Newark, N. J.
North East Electric Co., Rochester, N. Y.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Quick Action Magneto Co., South Bend, Ind.
Recording & Computing Machine Co. ("Ohmer"), Dayton, O.
Remy Electric Co. ("Remy" Magnetos), Anderson, Ind.
Schug Elec. Mfg. Co. ("Schug" Ignition Storage Battery), 252 E Larned, Detroit, Mich.
Scintilla Magneto Co. ("Scintilla"), 225 E 57th, New York
Simms Magneto Co., East Orange, N. J.
Sevison Electric Co., Elkhart, Ind.
Splitdorf Electrical Co. (High & Low Tension Magnetos), 98 Warren, Newark, N. J.
Standard Motor Construction Co., 180 Whiton, Jersey City, N. J.
Stecker Elec. & Machine Co., Dewey, Detroit, Mich.
Sumter Elec'l Wks. ("Dixie," "Sumter," "Imp" & "Satan," Sumter, S. C.
Thordarson Elec. Mfg. Co. ("Thordarson"), 507 S Jefferson, Chicago, Ill.
Titan Engineering Co., Butler, Ind.
Troy Auto Specialty Co., Troy, N. Y.
Webster Electric Co., Racine, Wis.
Wells R. C. Mfg. Co., Fond du Lac, Wis.

(Continued on following page)

Igniters (Gas & Gasoline Engine)—Continued

Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book
Wico Electric Co. ("Wico"), 132 Liberty, Springfield, Mass.

Ignition Apparatus

See Batteries; also Coils, Spark; also, Plugs, Spark; also Igniters, Gas & Gasoline Engine.

6530a— Ignition Systems

Atwater Kent Mfg. Co., 4937H Stenton av, Phila., Pa.
Eisemann Magneto Corp., 32 33rd, Brooklyn, N. Y.
Philbrin Corp. ("Philbrin"), Kennett Square, Pa.
Wagner Electric Mfg. Co. ("Wagner Quality"), 6400 Plymouth av, St. Louis, Mo.

6531—Illuminated Thresholds for Elevators

Elevator Supplies Co. ("Ricketts"), Hoboken, N. J.

6532— Illuminators (Oven)

Albrecht Francis J. (For Bakers' Ovens), 1146 Penn av, Pittsburgh, Pa.
Beitner George L. ("Perfect"), 609 State, Bridgeport, Conn.
Dutchess Tool Co. ("Eureka" Gas or Electric, "Cincinnati" Oil), Beacon, N. Y.
Robson Chas. & Co. ("Robson"), 8th & Washington av, Phila., Pa.

6532a— Ilmenite

American Rutile Co., 622 F, N W, Washington, D. C.

6533—Impregnating (Vacuum Process)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

IMPREGNATING APPARATUS
BUFFLOVAK
Cast Iron or Steel Plate Construction.
For impregnating with insulating, waterproofing, coloring or other compounds.
BUFFALO FOUNDRY & MACHINE CO.
65 Winchester Avenue, Buffalo, N. Y.

Devine J. P. Co., Buffalo, N. Y.
Nelson I. R. (To Impregnate Magnet, Field & Transformer Coils, Armatures, Insulator Pins, etc.), 1 Bond, Newark, N. J.
Scott Ernest & Co. ("Scott"), Fall River, Mass.

6534—*Impregnators (Fabric)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

6535—Incandescent Lamp Turndown Attachment

Wirt Co. ("Dim-A-Lite"), Germantown, Phila., Pa.

Incinerators (Garbage)

See Garbage Disposal Plants

6536—Incinerators (Night Soil & Refuse)

MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Odorless Construction Co., 103 Park av, New York
Stearns E. C. & Co. ("Incinerite" Refuse), 450 Oneida, Syracuse, N. Y.

6537—Incinerators (Platinum)

Bishop J. & Co., Malvern, Pa.

6538— Incinerators (Rotary)

Manitowoc Engineering Works, Manitowoc, Wis.
Pusey & Jones (For Soda Black Ash), H, Poplar, Wilmington, Del.

6538a— Incinerators (Toilet)

MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

Inclinators (Carboy)

See Rockers, Carboy

6539— Incline Planes

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Milholland J. &. J. B. Co., 714 5th av, Pittsburgh, Pa.

6540— Inclinometers

Starrett L. S. Co., Athol, Mass.

6541—Increasers (Closet Spud)

Trenton Brass & Machine Co., Trenton, N. J.

6542—Incubators (Bacteriological)

Castle Wilmot Co., Rochester, N. Y.
Chicago Surgical & Elec. Co., 324 W Superior, Chicago, Ill.
Eimer & Amend ("Freas" Electric), 205 3rd av, New York
Gray Peter & Sons, Inc., 286 3d, East Cambridge, Mass.
Nurnberg Thermometer Co., 397 Bridge, Brooklyn, N. Y.
See adv index at end of book
Thermo Electric Instrument Co., 8 Johnson, Newark, N. J.

6543—Incubators & Brooders

American Brooder Stove Co. (Brooder Stoves & Electric Incubators), North Sacramento, Cal.
American Incubator Mfg. Co. ("Wish-Bone"), New Brunswick, N. J.
Automatic Incubator Co., Inc. ("Automatic"), Delaware, Ohio
Banta & Bender Company, Ligonier, Ind.
Belle City Incubator Co. ("Belle City"), Racine, Wis.
Buckeye Incubator Co. ("Bantam," "Buckeye"), Springfield, O.
Buffalo Incubator Co., 543 Seneca, Buffalo, N. Y.
Candee Incubator & Brooder Co. ("Candee" Hot Air & Hot Water), Eastwood, N. Y.
Charters Mfg. Co., Santa Cruz, Cal.
Close-To-Nature Co., Colfax, Ia.
Cycle Hatcher Co., Elmira, N. Y.
Des Moines Incubator Co. ("Crescent," "Eclipse," "Successful"), Des Moines, Ia.
Ertel Geo. Co. ("Hatching Wonder," Improved Victor," "Poor Man's Friend"), Quincy, Ill.
Fremont Mfg. Co. ("Sure Hatch"), Fremont, Neb.
Gem Products Co., Greenville, Ohio
Hall Mammoth Incubator Co., Little Falls, N. Y.
Hodgson Ernest F. Co. ("Peer-O-Day"), 73 Federal, Boston, Mass.
Humphreys & Sons, Joliet, Ill.
International Sanitary Hover Co., 411 Washington, St. Louis, Mo.
Johnson M. M. Company, Clay Centre, Neb.
Jubilee Incubator Co. ("Jubilee"), Sunnyvale, Cal.
Klondike Incubator Co. ("Klondike"), Des Moines, Ia.
Leahy Mfg. Co. ("Favorite"), Higginsville, Mo.
McClanahan E. J. & Co., Eugene, Ore.
Master Incubator Co. ("Master" Electric & Oil Burning), 361 Baldwin, Portland, Ore.
Merryman S. Howard, Towson, Md.
Miller J. W. Co. ("Mammoth," "Ideal"), Rockford, Ill.
Milwaukee Corrugating Co. ("Milcor" all Metal Brooders), 35th & Burnham, Milwaukee, Wis.
Neubert R. F. Co., Mankato, Minn.
Northwestern Stamping Co. (Brooders), Burlington, Ia.
Petaluma Electric Incubator Co., Petaluma, Cal.
Pioneer Hatchery, 444 N Andrews blvd, Los Angeles, Cal.
Prairie State Incubator Co., Homer City, Pa.
Queen Incubator Co., Lincoln, Neb.
Reeves Mfg. Co., Dover, O.
Reliable Incubator & Brooder Co., Quincy, Ill.
Sheer H. M. Co., ("Peerless"), Quincy, Ill.
Simplicity Incubator Corp., 139 S East, Indianapolis, Ind.
Stahl Geo. H. ("Excelsior" Wooden Hen), Quincy, Ill.
Sure Hatch Incubator Co. ("Sure Hatch"), Fremont, Neb.
Uhl M. & Co., New Washington, O.
Weimer Abe, Ligonier, Ind.
Wilson Electric & Incubator Co., 4042 E 14th, Oakland, Cal.
Wisconsin Incubator Co., Racine, Wis.

6544— Indexes (Book)

Aluminum Container Co. (Aluminum Telephone), Fulton, N. Y.
Amberg File & Index Co., 1400 Fulton, Chicago, Ill.
Burr Index Co., 356 Asylum, Hartford, Conn.
Goes Lithographing Co. (Corp. Books), 42 W. 61st, Chicago, Ill.

6545— Indian Clubs

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

Hellenberg J. B. Co., Coldwater, Mich.
Roneo Co., 392 B'way, New York
Saginaw Wood Products Co., Gaylord, Mich.
Somer Jno. Faucet Co., 30 Morris av, Newark, N. J.

6546—*Indicator Attachments

LUNKENHEIMER CO., Executive Offices and Factories, Beekman & Waverly, Cincinnati, O.
See adv index at end of book

6547— Indicators (Ammonia)

Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
MANNING, MAXWELL & MOORE, INC. (Ashcroft Mfg. Co. Div.), 100 E 42nd, New York *See adv index at end of book*
Trill Indicator Co., Elm, Corry, Pa.

6548-9—Indicators (Carbon Dioxide)

Bachrach Industrial Instrument Co., H. Murtland & Bennett, Pittsburgh, Pa.
Defender Automatic Regulator Co., 709H Pine, St. Louis, Mo.
Uehling Instrument Co., 473 Getty av, Paterson, N. J.

6550—Indicators (Combustion)

Bachrach Industrial Instrument Co., H Murtland & Bennett, Pittsburgh, Pa.
Uehling Instrument Co., 71 Broadway, New York

6551— Indicators (Course)

Hand John E. & Sons Co., 208 Chestnut, Phila., Pa.

6552— Indicators (Draft)

American Safety Lamp & Mine Supply Co. ("Watres" for Locomotives), 1327 Capouse av, Scranton, Pa.
Brown Instrument Co., 4522 Wayne av, Phila., Pa.
Uehling Instrument Co., 473 Getty av, Paterson, N. J.

6553—Indicators (Electric Speed)

Brown Instrument Co., 4522 Wayne av, Phila., Pa.
Westinghouse Electric & Mfg. Co. (Automobile Engine), East Pittsburgh, Pa.
See adv index at end of book
Weston Electrical Instrument Co., Waverly Park, Newark, N. J.

6554— Indicators (Elevator)

Amos Chas. & Co., Inc., 3000 Hart av, Detroit, Mich.
Elevator Supplies Co. (Mechanical), Hoboken, N. J.
Gorham Co., Arch'l Bronze, 5th av & 36th, New York. Works: Providence, R. I.
Knickerbocker Electric Co. (Mechanical), 116 West, New York
Sommerville Elevator Co. (Fluid), 553 W 35th, New York
TYLER W. S. CO., Cleveland, O.
See adv index at end of book

6555—Indicators (Engine & Efficiency)

American Schaeffer & Budenberg Corp., Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book
Bachrach Industrial Instrument Co. ("Machak"), H Murtland & Bennett, Pittsburgh, Pa.
Brownie Mfg. Co. (for Star Cars), 39 Natoma, San Francisco, Cal.
Guarantee Engineering & Machine Co. ("G. E. & M. Co." Auto Horse Power), 1001H N Main, Los Angeles, Cal.

6555a—Indicators for Diesel Engines

Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
Trill Indicator Co., Elm, Corry, Pa.

6556—Indicators (Fuel Level)

Akron-Selle Co., Akron, O.
Am. Rule & Block Co., Menominee, Mich.
Apex Electric Mfg. Co., 1410 W 59th, Chicago, Ill.
Barcy-Nicholson Co. (Gasoline Gauges for Fords), 837 W. Fort, Detroit, Mich.
Champion Mfg. Co. ("Champion"), 7332 Kimbark, Chicago, Ill.
Duffield & Co. ("Weiss"), Derby, Conn.
Goite Mfg. Co. ("Goite"), Kokomo, Ind.
Goodall Rubber Co., 8th & Locust, Phila., Pa.
Kent-Moore Organization ("Direk Sight" for Ford), General Motors bldg, Detroit, Mich.
Moto-Meter Co. (Inc.), 15 Wilbur av, L. I. City, N. Y.
National Gauge & Equipment Co. ("National"), La Crosse, Wis.
Ritz-Woller, Oliver Co. ("Jr. Gasometer"), 500 Throop, Chicago, Ill.
Rochester Mfg. Co. ("Mercury"), 891 Halstead, Rochester, N. Y.
Up-to-Date Advertising Co., Canisteo, N. Y.

6557— Indicators (Gas)

American Safety Lamp & Mine Supply Co. ("Beard Mackie"), 1327 Capouse av, Scranton, Pa.
Bacharach Industrial Instrument Co., 14 Wood, Pittsburgh, Pa.
Uehling Instrument Co., 71 B'way, New York

6558—Indicators (Gas Engine)

Bachrach Industrial Instrument Co., H Murtland & Bennett, Pittsburgh, Pa.
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
MANNING, MAXWELL & MOORE, INC. (Ashcroft Mfg. Co. Div.), 100 E 42nd, New York *See adv index at end of book*
Meriam Co. ("Meriam"), Meriam bldg, Cleveland, O.
Rochester Mfg. Co., 29 Halsted, Rochester, N. Y.
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.
Trill Indicator Co. ("Triumph"), Corry, Pa.

6559—Indicators (Gas Leak)

Bachrach Industrial Instrument Co., H Murtland & Bennett, Pittsburgh, Pa.
Taylor Instrument Co.'s, Rochester, N. Y.

6560— Indicators (Helm)

Cory Chas. & Son Inc., 183 Varick, New York
Electro-Dynamic Co., Bayonne, N. J.
Hyde Windlass Co., Bath, Me.
McNab Co. ("McNab"), Bridgeport, Conn.
Marine Electrical Co., Lorain, O.

6561— Indicators (Hydraulic)

AMERICAN SCHAEFFER & BUDENBERG CORP., Berry & S 5th, Brooklyn, N. Y. *See adv index at end of book*
Brown Instrument Co., 4522 Wayne av, Phila., Pa.

6562— Indicators (Lathe)

Brown & Sharpe Mfg. Co., Providence, R. I.
Starrett L. S. Co., Athol, Mass.
Waltham Micrometer Dial Gauge Co. ("Randall & Stickney Dial"), Waltham, Mass.

6563—Indicators (Lightning)

Bajohr Carl Lightning Conductor Co., 4055 Keokuk, St. Louis, Mo.

6564—Indicators (Locomotive Train Number)

Handlan-Buck Mfg. Co., 210-14 N 3rd, St. Louis, Mo.

6565—Indicators (Log Setting)

Filer & Stowell Co., Milwaukee, Wis.
Lane Mfg. Co., Montpelier, Vt.

Indicators (Low Water)

See Alarms, Low Water

6566— Indicators (Machine)

Norton Grinding Co. (For Testing Truth & Alignments of Machine Parts), Worcester, Mass.
Waltham Micrometer Dial Gauge Co. ("Randall & Stickney Dial"), Waltham, Mass.

6567— Indicators (Marine)

American Speed Indicator Co. ("Kenny"), New London, Conn.
Cummings Ship Instrument Works ("Cummings," direction, also speed), 255 Atlantic, Boston, Mass.
McNab Co. ("McNab" Direction & Revolution; also "McNab" Steering), Bridgeport, Conn.
Mercantile Specialties Corp., 11 B'way, New York
Star Brass Mfg. Co. ("Star" Speed), 53 Oliver, Boston, Mass.

6568—Indicators (Phase Rotation)

Mineral lac Electric Co., 1045 Washington bl, Chicago, Ill.

6569— Indicators (Polarity)

Dale Lighting Fixture Co., 107 W 13th, New York
Manhattan Electrical Supply Co., 17 Park pl, New York

6570— Indicators (Post)

Glamorgan Pipe & Fdry Co., Lynchburg, Va.
Kelly & Jones Co. The, Greensburg, Pa. *See adv index at end of book*
Kennedy Valve Mfg. Co., Elmira, N. Y. *See adv index at end of book*

6571-2—Indicators (Railroad Speed)

Stewart-Warner Speedometer Corp. "Warner," "Stewart"), 1826 Diversey parkway, Chicago. Ill.
Trill Indicator Co., Elm, Corry, Pa.

6573-4—Indicators (Revolution Recording)

Uehling Instrument Co., 473 Getty av, Paterson, N. J.

6575—Indicators (Sight Flow)

Bowser S. F. & Co., Dept. H, Ft. Wayne, Ind.
LUNKENHEIMER CO. ("Independent" & "Unit"), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*

6576— Indicators (Smoke)

Boiler Room Improvement Co. ("Eclipse") 549 W Washington blvd, Chicago, Ill.
Scientific Instrument & Elect. Macn. Co., Mechanicsburgh, Pa.

6577—Indicators (Specific Gravity)

Braun-Knecht-Heimann Co. (Cement, Gas), 576-584 Mission, San Francisco, Cal.

6578— Indicators (Speed)

See also Tachometers

American Schaeffer & Budenberg Corp., Berry & S 5th, Brooklyn, N. Y. *See adv index at end of book*
American Speed Indicator Co. ("Kenny" Marne), New London, Conn.
Bowsher N. P. Co. ("Bowsher" Speed or Motion, for Machinery, etc.), South Bend, Ind.
Brown & Sharpe Mfg. Co., Providence. R. I.
Cleveland Speed Indicator Co. (Auto, etc), W 112th & Locust, Cleveland, O.
Cummings Ship Instrument Works ("Cummings" Marine); 255 Atlantic, Boston, Mass.
Disston Henry & Sons (Inc.), Tacony, Philadelphia, Pa.
Durant Mfg. Co. ("The Producimeter"), 655 Buffum, Milwaukee, Wis.
Emerson, Smith & Co., Beaver Falls, Pa.
Ernest Montrose, 149 Church, New York
Goodell Pratt Co., Greenfield, Mass.
Greene, Tweed & Co. ("Empire," "Weiss"), 109 Duane, New York
Hart R. A., Battle Creek, Mich.
Lombard Governor Co. (Long Distance), Ashland, Mass.
McDonnell Odomoter Co., 3501-3 S Kedzie av, Chicago, Ill.
Packer Thos. ("L. B. Taylor's"), Union City, Conn.
Starrett L. S. Co., Athol, Mass.
Stewart-Warner Speedometer Corp. ("Stewart," "Warner"), 1826 Diversey parkway, Chicago, Ill.
Tanit Co. ("Taylor"), Stroudsburg, Pa.
Uehling Instrtument Co., 473 Getty av, Paterson, N. J.
Veeder Mfg. Co. ("Veeder" Counter & Lochemeter), Hartford, Conn.

6579—Indicators (Steam Engine)

Bacharach Industrial Instrument Co. **("Malhak"), 14 Wood, Pittsburgh, Pa.**
Crosby Steam Gage & Valve Co. ("Crosby" Diesel Oil Engine), 40 Central, Boston, Mass.
Jost's Edmund Sons, 58 1st, Newark, N. J.
MANNING, MAXWELL & MOORE, INC. (Ashcroft Mfg. Co. Div.), 100 E 42nd, New York *See adv index at end of book*
Robertson Jas. L. & Son ("Robertson," "Thompson"), 78 Murray, New York
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.
Trill Indicator Co. ("Triumph"), Corry, Pa.
Uehling Instrument Co., 473 Getty av, Paterson, N. J.

6580—*Indicators (Surface Speed)

AMERICAN SCHAEFFER & BUDENBERG CORP., Berry & S 5th, Brooklyn, N. Y. *See adv index at end of book*
Brown Instrument Co., 4522 Wayne av, Phila., Pa.

6581—Indicators (Switch & Tower)

Chicago Railway Signal & Supply Co., 122H So Michigan av, Chicago, Ill.
Federal Signal Co. Albany, N. Y.
Magnus Electric Co., Inc. (Switch), 451 Greenwich, New York
United Electric Apparatus Co., 1529 Columbus av, Boston, Mass.

6582—*Indicators (Synchronism)

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*

6583— Indicators (Tank)

See also Alarms High & Low Water

Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
Caldwell W. E. Co., Louisville, Ky.
Eagle Tank Co., 2443 N Crawford av, Chicago *See adv index at end of book*
Flint & Walling Mfg. Co., Kendallville, Ind.
Fuller-Lehigh Co., Fulleron, Pa. *See adv index at end of book*
Rochester Mfg. Co., 891 Halstead, Rochester, N. Y.

6584— Indicators (Test)

AMES B. C. CO. ("Ames" dial), North Station, Waltham, Mass. *See adv index at end of book*
Atlas Indicator Works, 160 N Wells, Chicago, Ill.
Boulet Jos. H. ("Boulet's"), Universal Micrometer), Sebago Lake, Me.
Brown & Sharpe Mfg. Co. (Dial Lathe, etc.), Providence, R. I.
Johnson & Miller, 42 Murray, New York
Koch Henry, Nyack, N. Y.
Lowe Henry A. ("Last Word"), 1374 E 66th, Cleveland, O.
Lucas Charles H., 158 Alder, Waltham, Mass.
Robinson C. E. Co., Orange, Mass.
Starrett L. S. Co. ("Universal"), Athol, Mass.
Waltham Dial Gauge Co., 85 Myrtle, Waltham, Mass.
Waltham Micrometer Dial Gauge Co. ("Randall & Stickney" Dial Lathe, etc.), Waltham, Mass.

6585—Indicators (Train Arrival & Departure)

National Indicator Co., 852 Vernon av, Long Island City

6586-7— Indicators (Valve)

Fuller-Lehigh Co., Fulleron, Pa. *See adv index at end of book*
Kelly & Jones Co., The, Greensburg, Pa. *See adv index at end of book*
Walworth Mfg. Co. (The Half), Boston, Mass.

Indicators (Water)

See Alarms, Low Water, for Boilers

6588— Indigo

See also Aniline Colors, Dyes & Dyestuffs

Arnold Hoffman & Co. (Imp.), 55 Canal, Providence. R. I.
Ciba Co., Inc. (Synthetic), 134 Cedar, New York
Dow Chemical Co. (Paste & Powdered) (Synthetic), Midland, Mich.
Fergusson Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Kalle Color & Chemical Co., 530 Canal, New York
Klipstein A. & Co., 644 Greenwich, New York
National Aniline & Chemical Co., Inc., 40 Rector, New York
Ransom L. E. Co. (Imp.), 279 Pearl, New York
United Indigo & Chemical Co. (Ltd.), 176 Federal, Boston, Mass.

6589— Indigotine

Berlin Aniline Works (Imp.), 213 Water, New York
Fergusson Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*

6590— Indurated Fibre Ware

Cordley & Hayes, 32 Leonard, New York *See adv index at end of book*
Fibre Corporation ("Fibrotta"), Lockport, N. Y.

6590a— Ingot Heating

Detroit Graphite Co., 518 12th, Detroit, Mich.
ROCKWELL W. S. CO., 50 Church, New York, *See adv index at end of book*

Ingot Molds (or Moulds)

See Molds (Ingot)

6590b—Ingots (Alloy & Composition)

Ajax Metal Co. ("Ajax"), 46 Richmond, Phila., Pa.
BELMONT SMELTING & REFINING WORKS INC. (Belmont Brand—any formula), 328 Belmont av, Brooklyn, N. Y. *See adv index at end of book*
Eastern Brass & Ingot Corp. of N. Y., Waterbury, Conn.
Harris Benj. & Co., 21st & Loomis, Chicago, Ill.

(Continued on following page)

Ingots (Alloy & Composition)—Cont.

Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book

Mesta Machine Company
Pittsburgh, Pa., U. S. A.

National Smelting Co., 16th & Texas, San Francisco, Cal.

6591— Ingots (Aluminum)

Ajax Metal Co., 46 Richmond, Phila., Pa.
ALUMINUM COMPANY OF AMERICA, 2301 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book
Amalgamated Metals Selling Co., Ltd., 42 Broadway, New York
American Alloys Co., American bldg, Baltimore, Md.
BELMONT SMELTING & REFINING WORKS INC. (No. 1 and No. 12 Alloy or Special formula), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book
Birkenstein S. & Sons, 1056 W North av, Chicago, Ill.
British Aluminum Co. Ltd., 165 B'way New York
Cleveland Electro Metals Co., 2397 W 38th Cleveland, Ohio
Eagle Smelting & Refining Works, 233 B'way, New York
Earle E. P., 165 B'way, New York
Electric Smelting & Alumnium Co. (Alumnium), Lockport, N. Y.
Great Western Smelting & Refining Co., 41st & Wallace, Chicago, Ill.
Jacobson I. M. & Sons Co., 70 Catherine, Detroit, Mich.
Jobbins W. F., Aurora, Ill.
Kemp W. H. Co., 165 Spring, New York
Lowenthal Co., 947 W. 20th, Chicago, Ill.
McInnes Charles E. & Co. Mariner & Merchants bldg, Phila., Pa.
Maryland Brass & Metal Wks., Dept. H, Calvert & Federal, Baltimore, Md.
Michigan Smelting & Refining Co., 7881 Jos. Campau av, Detroit, Mich.
More-Jones Brass & Metal Co. (Pure & Casting), B'way & Dock, St. Louis, Mo.
Nassau Smelting & Refining Works, 603 W 29th, New York
National Smelting Co., 16th & Texas, San Francisco, Cal.
NATIONAL SMELTING CORPORATION, 6300 Grant av, Cleveland, Ohio
See adv index at end of book
Peninsular Smelting & Refining Co., 3651 Hart, Detroit, Mich.
Philipp Bros., 29 B'way, New York
Richards & Company, Inc., 192 Beverly, Boston, Mass.
Stanley Chemical Co., East Berlin, Conn.
Trotter Nathan & Co., 36 N Front, Phila., Pa.
United Smelting & Aluminum Co. Inc., 183-189 Commerce, New Haven, Conn.
U. S. Reduction Co., East Chicago, Ind.
Vanadium Metals Co., Vanadium bldg, Pittsburgh, Pa.
Vernon Metal & Produce Co., 25 Beaver, New York
Weil Louis, 90 West, New York

6592—Ingots (Brass & Copper)

Ajax Metal Co. ("Ajax" Red & Yellow Brass), 46 Richmond, Phila., Pa.
Amalgamated Metals Selling Co. Ltd., 120 E 16th, New York
American Alloys Co., American bldg, Baltimore, Md.
American Smelting & Refining Co. (Copper), 120 B'way, New York
Balbach Smelting & Refining Co. ("N. B. C," and "B. B." Brand Copper), 580 Market, Newark, N. J.
Belmont Smelting & Refining Works Inc. (Belmont Brand—any formula), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book

GUARANTEED INGOT BRASS YELLOW, RED, White Bronze, Etc. Also All Virgin Metals
Belmont Smelting and Refining Works, Inc.
General Office: 328 Belmont Ave., Brooklyn, N. Y.

Bethlehem Steel Co., So Bethlehem, Pa.
Birkenstein S. & Sons, 1056 W North av, Chicago, Ill.
Brady Brass Co., 170 14th, Jersey City, N. J.
Breuer C. R. Smelting & Refining Co., Beekman & Hopie, Cincinnati, O.
Chase Metal Works, Div. Chase Co.'s, Inc., Waterbury, Conn.
Chase Rolling Mill Co., Waterbury, Conn.
Clendenin Bros. (Copper), 108 South, Baltimore, Md.
Crown Smelting Co., Chester, Pa.
Damascus Bronze Co. ("Damascus"), N. S. Pittsburgh, Pa.
Duquesne Reduction Co., Farmers' Bank Bldg, Pittsburgh, Pa.
Eagle Smelting & Refining Works, 233 B'way, New York
Earle E. P. (Copper), 165 B'way, New York
Edna Brass Mfg. Co. (Brass Only), Cincinnati, O.
Electric Smelting Corp., 450 Main, San Francisco, Cal.
Electro Smelting & Alloy Co., 1111 E 11th, Oakland, Cal.
Fidelity Metal Co., 192 Diamond, Brooklyn, N. Y.
Great Western Smelting & Refining Co., 41st & Wallace, Chicago, Ill.
Harris Benj. & Co., 21st & Loomis, Chicago, Ill.
Hayman Mich'l & Co. (Copper), 856 E Ferry, Buffalo, N. Y.
Hendricks Bros. (Copper), 49 Cliff, New York
Hiertz Theo. Metal Co., Alaska & Tesson, St. Louis, Mo.
Honkamp Bros. (Copper), 3951 Wentworth av, Chicago Ill.
Hurley & Wainwright (Selling Agents), 145 Nassau, New York
Illinois Smelting & Refining Co. (Brass), 410 Peoria, Chicago, Ill.
Kahn Bros., 785 Humboldt, Brooklyn, N. Y.
Kramer H. & Co., Loomis & 21st pl, Chicago, Ill.
Lehman Bros., 326 Jefferson, Hoboken, N. J.
Lowenthal Co., 947 W 20th, Chicago, Ill.
LUMEN BEARING CO. ("Lumen"), 200 Lathrop, Buffalo, N. Y.
See adv index at end of book
McLaughlin's Sons Co., 234 N 12th, Brooklyn, N. Y.
Maryland Brass & Metal Wks., Dept. H, Calvert & Federal, Baltimore, Md.
Merchant & Evans Co., Washington av & 21st. Phila., Pa.
Michigan Smelting & Refining Co., 7881 Jos. Campau av, Detroit, Mich.
More-Jones Brass & Metal Co. (Brass), B'way & Dock, St. Louis, Mo.
Nassau Smelting & Refining Works, 603 W 29th, New York
National India Rubber Co., Bristol, R. I.
National Smelting Co., 16th & Texas, San Francisco, Cal.
North American Smelting Co., 9th & Thompson, Phila., Pa.
Ohio Metal Co., 1137 N 4th, Columbus, O.
Pacific Metal Works, 153H 1st, San Francisco, Cal.
Pearlman M. M. & Co. (Copper), Fox bldg, Phila., Pa.
Phelps Dodge Corp. (Copper only), 99 John, New York
Pittsburgh Smelting & Refining Co., Elizabeth & B. & O. R. R., Pittsburgh, Pa.
Reeves Paul S. & Co. (Red, White & Yellow Brass & Pure Copper, etc), 1415 Catharine, Phila., Pa.
Richards & Company, Inc. (Red & Yellow Brass), 192 Beverly, Boston, Mass.
River Smelting & Refining Co., The, Bradley rd & B. & O. R. R., Cleveland, Ohio
Roessing Bronze Co., Etna, Pa.
Selby Smelting Works (Copper), 201 1st, San Francisco, Cal.
Sofranscy, H. Co., Allentown, Pa.
Tottenville Copper Co. (O. C. T.), Bedell, Tottenville, N. Y.
Trotter Nathan & Co., 36 N. Front, Phila., Pa.
United American Metals Corp. ("Stanley Process"), 192 Diamond, Brooklyn, N. Y.
United Metals Selling Co., 25 B'way, New York
United Smelting & Alumnium Co. Inc. **(Jobbers), 183-189 Commerce, New** Haven, Conn.
United States Reduction Co. (Red & Yellow Brass Copper, Phospher Copper, etc), East Chicago, Ind.
Vanadium Metals Co. (Brass Only), Vanadium bldg, Pittsburgh, Pa.
Vernon Metal & Produce Co., 25 Beaver, New York
Vogelstein L. & Co., 42 B'way, New York
Vulcan Louisville Smelting Co. ("Vulcan"), 400 N Michigan, Chicago, Ill.
Whipple & Choate (Red & Yellow Brass, etc), Bridgeport, Conn.
White & Bros. (Inc.) (Red & Yellow Brass, etc.), Hedley & Carbon river, Phila., Pa.
Woodfall Bros., 1105 Fairmount av Phila., Pa.
Youngs Geo. S. ("Y"), 29 Haddon, Bridgeport, Conn.

6593— Ingots (Bronze)

Ajax Metal Co. ("Ajax" Acid, Hydraulic, etc), 46 Richmond, Phila., Pa.
American Alloys Co., American bldg, Baltimore, Md.
Belmont Smelting & Refining Works Inc. (Belmont Brand—all mixtures), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book
Damascus Bronze Co. ("Damascus"), N S, Pittsburgh, Pa.
Eagle Smelting & Refining Works, 233 Broadway, New York
Edna Brass Mfg. Co., Cincinnati, O.
Electric Smelting Corp., 450 Main, San Francisco, Cal.
Genesee Metals Co., Rochester, N. Y.
Great Western Smelting & Refining Co., 41st & Wallace, Chicago, Ill.
Jacobson I. M. & Sons Co., 70 Catherine, Detroit, Mich.
Lowenthal Co., 947 W. 20th, Chicago, Ill.
Lumen Bearing Co., 200 Lathrop, Buffalo, N. Y. *See adv index at end of book*
Maryland Brass & Metal Wks., Dept. H, Calvert & Federal, Baltimore, Md.
Michigan Smelting & Refining Co., 7881 Jos. Campau av, Detroit, Mich.
More-Jones Brass & Metal Co., B'way & Dock, St. Louis, Mo.
Nassau Smelting & Refining Works, 607 W 29th, New York
National Smelting Co., 16th & Texas, San Francisco, Cal.
Reeves Paul S. & Co., 1415 Catharine, Phila., Pa.
River Smelting & Refining Co., The, Bradley rd & B. & O. R. R., Cleveland, Ohio
Roessing Bronze Co., Etna, Pa.
United Smelting & Aluminum Co. (Inc.), 183-189 Comerce, New Haven, Conn.
Vanadium Metals Co., Vanadium bldg, Pittsburgh, Pa.
Youngs Geo. S. ("Y"), 29 Haddon, Bridgeport, Cann.

6594—Ingots (Manganese Bronze)

Ajax Metal Co. ("Ajax"), 46 Richmond, Phila., Pa.
Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
American Alloys Co., American bldg, Baltimore, Md.
AMERICAN MANGANESE BRONZE CO. ("S. M. B." "A. M. B."), 3501 Rhawn, Phila., Pa.
Belmont Smelting & Refining Works Inc. (Belmont Brand—any formula), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book
Cramp Wm. & Sons Ship & Engine Bldg. Co. ("Parsons" & "Cramps"), Richmond & Morris, Phila., Pa.
Eagle Smelting & Refining Works, 233 Broadway, New York
Electric Smelting & Aluminum Co., Lockport, N. Y.
Jacobson I. M. & Sons Co., 70 Catherine, Detroit, Mich.
LUMEN BEARING CO., 200 Lathrop, Buffalo, N. Y.
See adv index at end of book
Michigan Smelting & Refining Co., 7881 Jos. Campau av, Detroit, Mich.
More-Jones Brass & Metal Co., B'way & Dock, St. Louis, Mo.
Nassau Smelting & Refining Works, 607 W 29th, New York
National Smelting Co., 16th & Texas, San Francisco, Cal.
North American Smelting Co., 9th & Thompson, Phila., Pa.
Reeves Paul S. & Co. ("Tubal"), 1415 Catharine, Phila., Pa.
Whipple & Choate, Bridgeport, Conn.

6594a—Ingots (Monel Metal)

Eagle Brass Foundry Co., 21 Spokane, Seattle, Wash.
INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Pacific Foundry Co., Harrison & 18th, San Francisco, Cal.
Schwartz Mill Supply Co. Inc. Edward, 520 Toulouse, New Orleans, La.
Steel Sales Corp., 129 S Jefferson, Chicago
Whitehead Metal Products Co., 67 Washington, North, Boston, Mass.
Whitehead Metal Products Co. of New York Inc., 261 Canal, New York
Williams & Co. Inc., 901 Pennsylvania av, Pittsburgh, Pa.

6595— Ingots (Nickel)

Am. Nickel Corp. (Malleable), Clearfield, Pa.
Belmont Smelting & Refining Works Inc. (All Alloys—Also Shot), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book
International Nickel Co., 67 Wall, New York
Jessop Steel Co., Washington, Pa.
Michigan Smelting & Refining Co., 7881 Jos. Campau av, Detroit, Mich.
Nassau Smelting & Refining Works, 607 W 29th, New York
Steel Sales Corp., 129 S. Jefferson, Chicago, Ill.
United States Nickel Co., New Brunswick, N. J.
Williams & Co., Inc., 901-937 Pennsylvania av, Pittsburgh, Pa.

6596—Ingots (Phosphor Bronze)

Ajax Metal Co. ("Ajax"), 46 Richmond, Phila., Pa.
American Alloys Co., American bldg, Baltimore, Md.
Atkinson Co., Rochester, N. Y.
Belmont Smelting & Refining Works Inc. (Belmont Brand — any formula), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book

Crown Smelting Co., Chester, Pa.
Damascus Bronze Co. ("Damascus"), N S, Pittsburgh, Pa.
Eagle Smelting & Refining Works, 233 B'way, New York
Edna Brass Mfg. Co., Cincinnati, O.
Electric Smelting & Aluminum Co., Lockport, N. Y.
Great Western Smelting & Refining Co., 41st & Wallace, Chicago, Ill.
Jacobson I. M. & Sons Co., 70 Catherine, Detroit, Mich.
LUMEN BEARING CO., 200 Lathrop, Buffalo, N. Y.
See adv index at end of book
Michigan Smelting & Refining Co., 7881 Jos. Campau av, Detroit, Mich.
More-Jones Brass & Metal Co., B'way & Dock, St. Louis, Mo.
Nassau Smelting & Refining Works, 607 W 29th, New York
National Smelting Co., 16th & Texas, San Francisco, Cal.
North American Smelting Co., 9th & Thompson, Phila., Pa.
PHOSPHOR BRONZE SMELTING CO., 2202 Washington av, Phila., Pa.
Reeves Paul S. & Co., 1415 Catharine, Phila., Pa.
Whipple & Choate, Bridgeport, Conn.

6597— Ingots (Steel)

See also Billets, Blooms & Slabs, Steel

American Bridge Co. (Open Hearth), 30 Church, New York
American Tube & Stamping Co. (Open Hearth), Bridgeport, Conn.
Andrews Steel Co. (Basic Open Hearth), Newport, Ky.
Anniston Electric Steel Corp., Anniston, Ala.
Ashland Steel Co. (Bessemer), Ashland, Ky.
Atlantic Steel Co., Atlanta, Ga.
Bethlehem Steel Co. (Open Hearth), South Bethlehem, Pa.
Braddock Mfg. Co. (Acid Open Hearth), Braddock, Pa.
Brier Hill Steel Co., Youngstown, O.
Carbon Steel Co. (Acid & Basic Open Hearth), ft. 32nd, Pittsburgh, Pa.
Carnegie Steel Co. (Open Hearth & Bessemer), Carnegie bldg, Pittsburgh, Pa.
Central Iron & Steel Co. (Open Hearth), Harrisburg, Pa.
Chrome Steel Works (Chrome Steel), Chrome, N. J.
Colorado Fuel & Iron Co, (Bessemer & Open Hearth), Denver, Col.
Crucible Steel Co. of America (Crucible & Open Hearth), 17 E 42d, New York
Duke Steel Co., Inc., 191 Pearl, New York
Edgewater Steel Co., Edgewater Station & A. V. R. R., Pittsburgh, Pa.
Frasse Peter A. & Co., Inc., 417 Canal, New York
General Steel Co., ft 40th, Milwaukee, Wis.
Gulf States Steel Co. (Basic Open Hearth), Birmingham, Ala.
Halcomb Steel Co. (Crucible & Electric Furnace), Syracuse, N. Y.
Harrisburg Pipe & Pipe Bending Co. (Open Hearth), Herr nr 10th, Harrisburg Pa.
Hess Steel Corp. (Electric), Loney's la & Biddle, Baltimore, Md.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Jessop Steel Co. (Crucible), Washington, Pa.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Judson Mfg. Co. (Open hearth steel ingots for forging of crank shafts and for shipbuilding purposes), 319 Folsom, San Francisco, Cal.
Lackawanna Steel Co. (Bessemer & Open Hearth), Buffalo, N. Y.
Laclede Steel Co. (Basic Open Hearth), Arcade bldg, St. Louis, Mo.
Llewellyn Iron Works, 1200H N. Main, Los Angeles, Cal.
Lukens Steel Co. (Open Hearth), Coatesville, Pa.
McConway & Torley Co. (Acid Open Hearth), 48th & A. V. R. R., Pittsburgh, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
Phoenix Iron Co. (Acid & Basic Open Hearth), 22 S. 15th, Phila., Pa.
Pittsburgh Steel Foundry Co. (Open-Hearth Cast Up to 70,000 lbs.), 1115H Empire bldg., Pittsburgh, Pa.
Republic Iron & Steel Co., Youngstown, O.
See Branch Offices Alphabetical Section.
Tacony Steel Co., Franklin Bank bldg., Phila., Pa.
Tennessee Coal, Iron & R. R. Co. (Open Hearth, Rail, etc), Birmingham, Ala.
Tremont Nail Co. (Soft & Hard Steel), West Wareham, Mass.
Van Winkle H. L. Co. (Imp.), 160H Beale. San Francisco, Cal.
West Leechburg Steel Co. (Basic Open Hearth), **Farmers Bank bldg, Pittsburgh, Pa.**
Wickwire Spencer Steel Corp., 41 E 42nd. New York *See adv index at end of book*
Youngstown Sheet & Tube Co., Youngstown, Ohio

6598— Ingots (White Metal)

Ajax Metal Co. ("Ajax"), 46 Richmond, Phila., Pa.
American Alloys Co., American bldg, Baltimore, Md.
Belmont Smelting & Refining Works, Inc. (any formulas), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book
Electro Smelting & Alloy Co., 1111 E 11th, Oakland, Cal.
Great Western Smelting & Refining Co., 41st & Wallace, Chicago, Ill.
Michigan Smelting & Refining Co., 7881 Jos. Campau av, Detroit, Mich.
National Smelting Co., 16th & Texas, San Francisco, Cal.
Seymour Mfg. Co., Seymour, Conn.

6599-6600—Ingots (Zinc)

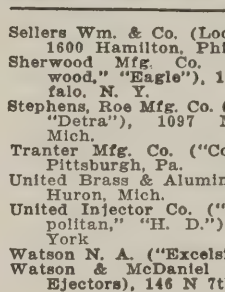
Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
American Smelting & Refining Co., 120 B'way, New York
American Zinc, Lead & Smelting Co., 331 Madison av, New York
Belmont Smelting & Refining Works, Inc. (Belmont and Horsehead Brands), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book
Eagle Smelting & Refining Works, 233 B'way, New York
Electro Smelting & Alloy Co., 1111 E 11th, Oakland, Cal.
Great Western Smelting & Refining Co., 41st & Wallace, Chicago, Ill.
Nassau Smelting & Refining Works, 607 W 29th, New York
National Smelting Co., 16th & Texas, San Francisco, Cal.
Sandoval Zinc Co., 410 N Peoria, Chicago, Ill.
Sofranscy, H. Co., Allentown, Pa.
Vogelstein L. Co., 42 B'way, New York

6601—Injectors (Locomotive)

Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Edna Brass Mfg. Co. ("Edna"), Cincinnati, O.
Griffiths Jas. A. ("Eclipse"), 1315 Buttonwood, Phila, Pa.
MANNING, MAXWELL & MOORE, INC. (Hancock Inspirator Co. Div.; "Hancock"; Hayden & Derby Mfg. Co. Div.; "Metropolitan"), 119 W 40th, New York *See adv index at end of book*
Nathan Mfg. Co. ("Simplex," "Nathan," "Monitor"), 21 E 40th, New York
Ohio Injector Co. ("Garfield," "Chicago," "Ohio"), Wadsworth, O.
Powell Wm. Co., 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Schutte & Koerting Co. ("Koerting"), 1251 N 12th, Phila., Pa.
See adv index at end of book
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
United Injector Co. ("Hancock," "Metropolitan," "H. D."), 100 E 42d, New York

6602-3-4—Injectors & Ejectors (Boiler)

American Injector Co. ("U. S." Automatic & "American" Boiler), 1469 14th av, Detroit, Mich.
Belfield H. Co. (Ejectors), 435 N Broad, Phila., Pa.
Blakeslee Mfg. Co. (Jet Pumps), Du Quoin, Ill.
Champion Hardware Co. ("National" Automatic), Geneva, O.
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Desmond-Stephan Mfg. Co. ("Desmond"), Urbana, O.
Detroit Lubricator Co. ("Detroit"), Detroit, Mich.
Douds Frank C. & Co. ("Douds," Ejectors, Jet Pumps, Syphons), New Castle, Pa.
GODFREY KEELER CO., 70 Warren, New York
Griffiths Jas. A. ("Keystone," "Champion," "Eclipse"), 1315 Buttonwood, Phila., Pa.
Hennebohle Frank (Ejectors), 81st & S Chicago av, Chicago, Ill.
INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Kincaid Bros. ("Eureka"), 211 Water, Pittsburgh, Pa.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McNab & Harlin Mfg. Co., Paterson, N. J.
MANNING, MAXWELL & MOORE, INC. ("H. D.," "Hayden & Derby Mfg. Co. Div. & "Hancock" Stationary, Hancock Inspirator Co. Div.), 100 E 42nd, New York *See adv index at end of book*
Nason Mfg. Co., 71 Fulton, New York
See adv index at end of book
Nathan Mfg. Co. ("Nathan," "Monitor," "Simplex"), 21 E 40th, New York
Ohio Injector Co. ("Garfield" Double Jet, "Chicago" Automatic), Wadsworth, O.
Pancoast Henry B. Co. ("Model"), 950 N Front, Phila., Pa.
Penberthy Injector Co. ("Penberthy," "Automatic," Auto-Positive & "XL-96"), 1242 Holden av, Detroit, Mich.
POWELL WM. CO. (Sanitary & Marine Injectors, only Automatic Auto-Positive & "X-1-96"), 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Randle Machinery Co. ("Leader"), Power & C. H. & D. R. R., Cincinnati, Ohio
Rue Mfg. Co. ("Little Giant," "Unique" & "Fixed Nozzle"), 228 Cherry, Phila., Pa.
SCHUTTE & KOERTING CO. ("Koerting" & "Universal"), 1251 N 12th, Phila., Pa. *See adv index at end of book*


Double Tube Design. High suction simple; positive action. Handles water at high temperatures. *Catalog 1-A.*
Schutte & Koerting Co.
1251 North 12th Street
Philadelphia, Pa

Sellers Wm. & Co. (Locomotive & Boiler), 1600 Hamilton, Phila., Pa.
Sherwood Mfg. Co. ("Buffalo," "Sherwood," "Eagle"), 1709 Elmwood, Buffalo, N. Y.
Stephens, Roe Mfg. Co. ("Michigan," "Roe," "Detra"), 1097 McKinley, Detroit, Mich.
Tranter Mfg. Co. ("Coils"), 105 Water. Pittsburgh, Pa.
United Brass & Aluminum Mfg. Co., Port Huron, Mich.
United Injector Co. ("Hancock," "Metropolitan," "H. D."), 100 E 42d, New York
Watson N. A. ("Excelsior"), Erie, Pa.
Watson & McDaniel Co. ("McDaniel"), Ejectors), 146 N 7th, Phila., Pa.

Ink Grinding Machinery

See Mills, Ink Grinding

6605— Inks (Canners')

Consolidated Stamp Mfg. Co., 87 Maiden la, New York
Swisher R. D. Mfg. Co. ("Is Boiler Proof"), 413 S Clinton, Chicago, Ill.

6606— Inks (Drafting)

Carter's Ink Co., E Cambridge, Boston, Mass.
Dietzer Eugene Co., 166 W Monroe, Chi-Chicago, Ill.
Elliott B. K. Co., 126 6th, Pittsburgh, Pa.
Higgins Chas. M. & Co., 271 9th, Brooklyn, N. Y.
JOHNSTON J. W. (Snow White Fluid), Neu Artz bldg, Rochester, N. Y.
Keuffel & Esser, Hoboken, N. J.
Morrill Geo. H. Co., Norwood, Mass.
Murdock W. Jas. Co. (Tracing Cloth), 123 W Pearl, Cincinnati, Ohio
New York Blue Print Paper Co., 102 Reade, New York
Pease C. F. Co., 820 N Franklin, Chicago, Ill. *See adv index at end of book*
Post Frederick Co., 319 S. Wabash av, Chicago, Ill.
Taylor Bros. Co. ("Opake" Quick Drying Water Proof, for Tracing Cloths), 706 Superior av, N W, Cleveland, O.
Tower Mfg. & Novelty Co. ("Arnold's"), 326 B'way, New York
Weber F. Co. (Black & Colored), 1220 Buttonwood, Phila., Pa.

6607— Inks (Duplicator)

Fuller Louis E., 157 Christopher, New York
Kruse Printing Ink Co., 437 Pearl, New York
Stenno Carbon Paper Mfg. Co., 740 Sandy blvd, Portland, Oreg.

6608— Inks (Embossing)

BINSWANGER B. & CO., 835 N 3rd, Philadelphia, Pa.
Goetjens Chas. F., 626 4th av, Brooklyn, N. Y.
Higgins Chas. M. & Co., 271 9th, Brooklyn, N. Y.
Standard Ink & Color Co., 129 Atkins av, Brooklyn, N. Y.

6609— Inks (Indelible)

Applegate Chemical Co., 5632 Harper av, Chicago, Ill.
Carter's Ink Co., E Cambridge, Boston, Mass.
Defiance Mfg. Co., 223 41st, New York

(Continued on following page)

Inks (Indelible)—Continued

Matthews Jas. H. & Co. (For Linen Marking), 3942 Forbes, Pittsburgh, Pa.
See adv index at end of book
Payson's Indelible Ink Co. **("Payson's")**, Northampton, Mass.

6610— Inks (Marking)

Binney & Smith Co. **("Eclipse")**, 41 E 42d, New York
Botts Marking Ink Co., 68-76 3rd, Brooklyn, N. Y.
California Ink Co., Dept. H, 4th & Camelia, Berkeley, Cal.
Diagraph Stencil Machine Corp., 1624 Kingshighway, St. Louis, Mo.
Everett & Barron Co., 359 Eddy, Providence, R. I.
Fergusson Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Ideal Stencil Machine Co., 42 Ideal blk, Belleville, Ill.
JOHNSTON J. W. (Snow White Fluid), Neu Artz bldg, Rochester, N. Y.
MARSH STENCIL MACHINE CO., Belleville, Ill.
See adv index at end of book
Matthews Jas. H. & Co. (For Metal & Wood Stamping), 3942 Forbes, Pittsburgh, Pa. *See adv index at end of book*
Montebello Ink Co., 630 H Clay, San Francisco, Cal.
Newton Automatic Lettering Pen Co. **("Newton Stoake's")**, Pontiac, Mich.
Pittsburgh Stamp Co., Inc., 817H Canal, Pittsburgh, Pa.
Spencer S. M. Mfg. Co., (Indelible), 9 Cornhill, Boston, Mass.
Volger B. G. Mfg. Co. ("Volger," Indelible), Passaic, N. J.

6611— Inks (Metal Marking)

Fergusson Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Pittsburgh Stamp Co., Inc., 817H Canal, Pittsburgh, Pa.
Strasenburgh R. J. & Co., Rochester, N. Y.

6612—Inks (Numbering Machine)

Carter's Ink Co., E Cambridge, Boston, Mass.
Heale J. A. & Co., 81 Chambers, New York

6613—Inks (Printing & Lithograph)

Acheson Ink Co., Niagara Falls, N. Y.
Acme Printing Ink Co., 1315 W Congress, Chicago, Ill.
American Luminous Products Co. (Luminous), Huntington Park, Cal.
American Printing Ink Co., 1127 W 6th, Cincinnati, O.
American Printing Ink Co. (Wood Printing), 2314 W Kinzie, Chicago, Ill.
Ampt Chas. F. Co., 214 Springfield, Cincinnati, Ohio
Artlett Roach Co., 83 Clay ("A. R."), San Francisco, Cal.
Auld Hampton, 106 Verona av, Newark, N. J.
Ault & Wiborg Co., Cincinnati, O.
Austin Kelly Ink Co., 3929 Bellevue, Detroit, Mich.
Barnard F. A. & Son, 703 S Dearborn, Chicago, Ill.
Berger & Wirth, 58 Columbia Hts., Brooklyn, N. Y.
Buckie Printers Ink Co., 714 S Clark, nati, O.
Braden Printing Ink Co., 104 St. Clair,
Buffalo Printing Ink Works, (Copyable Printing), 1543 Niagara, Buffalo, N. Y.
California Ink Co. ("E-Z"), Dept. H, 4th & Camelia, Berkeley, Cal.
Crescent Color & Chemical Wks., 12 W End av, New York
Donald Wm. C. & Co., Andover, Mass.
Dunn Ink Works, 1551 Niagara, Buffalo, N. Y.
Eagle Printing Ink Co., 83 Grand, New York
Fuchs & Lang Mfg. Co., 119 W 40th, New York
Fuller Louis E., 157 Christopher, New York
Hellmuth Chas., 154 W 18th, New York
Hoeffler J. & Co., 18 E 138th, New York
Indiana Chemical & Mfg. Co., 135 S East, Indianapolis, Ind.
International Chemical Products Co., 830 Winston, Los Angeles, Cal.
Jaenecke-Ault Co. ("Jaco," "Anchor"), Newark, N. J.
Jay Printing Ink Co., 263 Water, Brooklyn, N. Y.
Johnson Chas. Eneu & Co., 10th & Lombard, Philadelphia, Pa.
Kansas City Printing Ink Co., 400 B'way, Kansas City, Mo.
Kent Wm. P. & Co., 49 Rose, New York
Kienle & Co., 109 S 5th, Brooklyn, N. Y.
Kohl & Madden Mfg. Co., 739 S Clark, Chicago, Ill.
Korn Wm. (Fluid), 120 Center, New York
Kruse Printing Ink Co., 437 Pearl, New York
Levey Fred. H. Co., 59 Beekman, New York
Mayer Robt. & Co., 451 11th, New York
Meyer F. W. Co., 46 Walworth, Brooklyn, N. Y.
Miller-Cooper Ink Co., 3rd & Wyandotte, Kansas City, Mo.
Morrill George H. Co., Norwood, Mass.
Okie F. E. Co., 127 S 2nd, Phila., Pa.
Okie Francis G., Spring & Darien, Philadelphia, Pa.
Pollock Ink Co., 29 Franklin, Buffalo, N. Y.
Prescott H. S., 571 Atlantic av, Boston, Mass.
Queen City Printing Ink Co., 1929 South, Cincinnati, O.
Richmond Printing Ink Co., 16 N 14th, Richmond, Va.
Rigler F. A. Ink Co., Battle Creek, Mich.
Roach Jos. A. & Co., 1023 Crosby, Chicago, Ill.
Roberts Lewis, 72 Union, Newark, N. J.
Roosen H. D. Co., 16 E 43d, New York
Ruxton Philip (Inc.), 220 W 42d, New York
Schmutz Mfg. Co., Inc. (For Bag Printing), 17th & Walnut, Louisville, Ky.
Senelith Ink Co., Inc., 32 Greene, New York
Siebold J. H. & G. B., 21 W Houston, New York
Sinclair & Valentine Co., 21 St. Clair pl, New York
Sleight Metallic Ink Co., 538 N 3d av, Philadelphia, Pa.
Standard Ink & Color Co., 129 Atkins av, Brooklyn, N. Y.
Standard Printing Ink Co., 1644 Providence, Cincinnati, O.
Ullman Sigmund Co., 146th & Park av, New York
Union Printing Ink Co., Akron, O.
Wallace Sterling, 65 Frankfort, New York
Webb - Jensen - Davis Co., 597 Lackett, Brooklyn, N. Y.
Webster F. S. Co., 340 Congregational, Boston, Mass.
Wilson W. D. Printing Ink Co., 17 Spruce, New York
Wright J. K. Printing Ink Co., 1726 N Palethorp, Philadelphia, Pa.

6614— Inks (Rubber Stamp)

Carter's Ink Co., E Cambridge, Boston, Mass.
Fuller Louis E., 157 Christopher, New York
Heale J. A. & Co. ("Inco"), 81 Chambers, New York
Ink Ribbon Mfg. Co., 635 Howard st, San Francisco, Cal.
Keller Robt. Ink Co., 1441 Brooklyn, Detroit, Mich.
Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa.
See adv index at end of book
Montebello Ink Co., 630 Clay, San Francisco, Cal.
Morrill Geo. H. Co., Norwood, Mass.
Volger B. G. Mfg. Co., Passaic, N. J.

6615— Inks (Show Card)

Carter's Ink Co. ("Velvet"), E. Cambridge, Boston, Mass.
JOHNSTON J. W. (Snow White Water Color), Neu Artz bldg, Rochester, N. Y.
Weber F. Co., 1220 Buttonwood, Phila., Pa.

6616— Inks (Stencil)

Binney & Smith Co. ("Eclipse"), 41 E 42nd, New York
Botts Marking Ink Co. (Paste & Cake), 68-76 3rd, Brooklyn, N. Y.
Bradley A. J. Mfg. Co., 101 Beekman, New York
Diagraph Co. ("Diagraph"), 2121 N 9th, St. Louis, Mo.
Diagraph Stencil Machine Corp. (Div. American Bakers Machinery Co.), 1600 S Kingshighway blvd, St. Louis, Mo.
See adv index at end of book
Fergusson Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Garvey Fountain Brush & Ink Co., N 7th, St. Louis, Mo.
General Eclipse Co. ("Inklets" Tablet), Danielson, Conn.
Ideal Stencil Machine Co., 42 Ideal blk, Belleville, Ill.
Marsh Stencil Machine, Inc. (Marking), Belleville, Ill.
MARSH STENCIL MACHINE CO., Belleville, Ill.
See adv index at end of book
Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa.
See adv index at end of book
Montebello Ink Co., 630H Clay, San Francisco, Cal.
Moss Theo. Co., Inc. ("Themio"), 349 Adams, Brooklyn, N. Y.
Universal Stamp Works, 285 Market, Newark, N. J.

6617—Inks (Tablet & Powdered)

General Eclipse Co., Dept. H, Danielson, Conn.
Keller Robert Ink Co., 1441H Brooklyn, Detroit, Mich.
Salz Bros. ("Salz"), 71 W. 35th, New York

6618— Inks (Writing)

American Luminous Products Co. (Luminous), **Huntington Park, Cal.**
Bankers Ink Co., 114 N 5th, Kansas City, Mo.
Carter's Ink Co. (Indelible, Copying, etc.), E Cambridge, Boston, Mass.
Caw's Pen & Ink Co., 50 Church, New York
Continental Mfg. Co. ("Continental"), 4611 Girard, Phila., Pa.
Cook B. C. Chemical Mfg. Co., Charlotte, N. C.
Davis Emry, 153 Hudson, New York
Davis Wm. A. Co. ("U. S. Treasury"), 40 Batterymarch, Boston, Mass.
Diamond Ink Co., 3033 Galena, Milwaukee, Wis.
Edwards H. Mfg. Co. ("Edwards"), 20 Natoma, San Francisco, Cal.
Federal Ink & Chemical Co., 2323 5th, Seattle, Wash.
Heller B. & Co. ("Zanzibar"), 3925 Calumet av, Chicago, Ill.
Higgins Chas. M. & Co., 271 9th, Brooklyn, N. Y.
Ink Ribbon Mfg. Co., 635 Howard st, San Francisco, Cal.
JOHNSTON J. W. ("Snow White Ink"), Neu Artz bldg, Rochester, N. Y.
Keller Robt. Ink Co., 1441 Bklyn, Detroit, Mich.
Kirk Harry D., 2316 W Harrison, Chicago, Ill.
Metals Extraction Corp., 5501 Boyle av, Huntington Park, Los Angeles, Cal.
Montebello Ink Co. (Fluid), 630H Clay, San Francisco, Cal.
Moore J. & I. E. Warren, Mass.
Northwest Chemical & School Supply Co. ("Mephisto"), E 724 Sprague av, Spokane, Wash.
Phoenix Chemical Co., 2804 16th, San Francisco, Cal.
Pomeroy Ink Mfg. Co., 55 E Park, Newark, N. J.
Sanford Mfg. Co., Congress & Peoria, Chicago, Ill.
Stafford S. S., 609 Washington, New York
Underwood John & Co., 62 Park Place, New York
Woodmansee F. A. ("Woodmansee," Writing & Copying), 117 E Pearl, Cincinnati, O.

6619— Inkstands & Wells

Aluminum Goods Mfg. Co. (Aluminum), Manitowoc, Wis.
American Hard Rubber Co. (Hard Rubber Inkstands), 9 Mercer, New York
Cushman & Denison Mfg. Co. ("Chelsea," "Capitol," Non-Evaporating), 11th av & 20th, New York
Davis Emry ("Davis" Automatic), 153 Hudson, New York
General Eclipse Co. ("Eclipse" Pneumatic), Danielson, Conn.
Kimpton Ed. Co., 18 Cliff, New York
National Sheet Metal Co. ("Nicolene"), Peru, Ill.
Scattergood H. W. Co. ("Scattergood" Inkwells), 1722 W Venango, Phila., Pa.
Schimper Wm. & Co., 332-338 Ferry, Hoboken, N. J.
Scofield & Co., 24 Murray, New York
Sengbusch Self-Closing Inkstand Co. (Self-Closing), Stroh bldg, Milwaukee, Wis.
Sneath Glass Co. (Inkwells), Hartford City, Ind.
Stoughton Novelty Mfg. Co., Inc., Stoughton, Wis.
Weeks Frank A. Mfg. Co., 93 John, New York

6620— Inlets (Fresh Air)

Casey-Hedges Co. ("Chattanooga"), 25th & Chestnut, Chattanooga, Tenn.
Central Foundry Co., 41 E 42nd, New York
Du Bois F. N. & Co., 247 9th av, New York
Fee & Mason, 81 Beekman, New York
Mott J. L. Iron Works, Trenton, N. J.
Sanitary Co., Dept. H, Linfield, Pa.
Zero Valve & Brass Mfg. Co., 648 4th, Buffalo, N. Y.

6621— Inlets (Sewer)

American Brake Shoe & Foundry Co., Mahwah, N. J.
Barber Mfg. Co., Ashtabula, O.
Buckeye Foundry Co., Queen City av & Buck, Cincinnati, O.
Burch Plow Works Co., Crestline, O.
Burr Co., Champaign, Ill.
Canton Foundry & Machine Co., Canton, O.
See adv index at end of book
City Foundry Co., 45th & Hamilton av, Cleveland, O.
Columbian Iron Works ("Columbian"), 811 Boyce, Chattanooga, Tenn.
Davies & Thomas Co., Catasauqua, Pa.
Dee Wm. E. Co., 30 N La Salle, Chicago, Ill.
Duplex Mfg. & Fdry Co., Elyria, O.
Ford & Kimball, Concord, N. H.
Gold Coin Stove & Fdry. Co., Albany, N. Y.
Hennessey Foundry Co., Springfield, O.
Kramer Bros. Foundry Co., Dayton, O.
Kuhns Bros., Dayton, O.
McDonald Foundry, Columbus, O.
Madison Foundry Co. ("Acme"), Cleveland, O.
Over Ewald, Indianapolis, Ind.
Parsons Co., Newton, Ia.
Roanoke Iron Works, Roanoke, Va.



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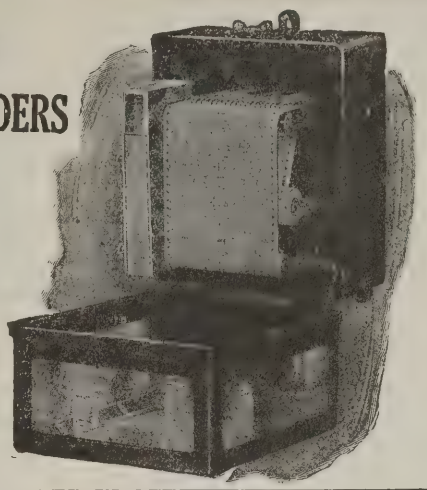
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Stuart Foundry Co., 138 Junction, Detroit, Mich.
Wearne Bros., Omaha, Neb.

6621a—Innersoling (Leather Substitute)

Flintkote Co., 88 Pearl, Boston, Mass.
Rice & Hutchings, Boston, Mass.
Rogers Fibre Co. ("Rofico"), 121 Beach, Boston, Mass.
See adv index at end of book

6621b— Innersoling (Shoe)

Rogers Fibre Co. ("Rofico" Fibre), 121 Beach, Boston, Mass.
See adv index at end of book
West Va. Pulp & Paper Co. (Pulp Products Dept.) (Fibre Board), 200 5th av, New York
See adv index at end of book

6622— Insecticides

Alen H. E. Co. Inc. ("So-Bos-So Kilfly" & Sprayers), Carthage, N. Y.
Aspinwall Geo. H., Cornelison av, Jersey City, N. J.
Barrett Chemical Co., 233 36th, Brooklyn, N. Y.
Baum Bros. Co., Denver, Colo.
Blanchard James A. Co. ("Lion"), 30 Church, New York
California Exterminating Co., Inc. (Roach Powder, Bug Liquid, Ant & Rat Poison, etc.), 373 W 125th, New York
Calpro Sales Co., 1842 W Washington, Los Angeles, Cal.
Chemical Supply Co., 2450 Canal rd, Cleveland, O.
Clifton Chemical Co., 246 Front, New York
Colonial Chemical Corp. ("Flyosan"), 394 Bridge, Reading, Pa.
Conkey G. E. Co. ("Fly King"), 6529 Broadway, Cleveland, Ohio
Cook & Swan Co., Inc. ("Sulco," "V. B."), 148 Front, New York
Cremoline Disinfecting Co., 121 Main, St. Louis, Mo.
Danforth Chemical Co. ("Bug Death"), Leominster, Mass.
Ellis Chas. H. & Son, Port Chester, N. Y.
Felix Girard Co., Inc., 4th av S. & Franklin, Minneapolis, Minn.
Fergusson Alex. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Flash Chemical Co. ("Flash Cafo Cear"), 160 Second, Cambridge, Mass.
Fraser F. A. Co. ("Bordo" and "Sulfene"), 202 Davis, San Francisco, Cal.
Frederick Disinfectant Co., Atlanta, Ga.
Frost Insecticide Co., Arlington, Mass.
Glidden Co., Madison av & Berea rd, Cleveland, O.
Good James, Inc., 2113H E Susquehanna av, Phila., Pa.
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Hammond Benjamin, Beacon, N. Y.
Hill C. W. Chemical Co. ("Mission Brand"), 405 E 3rd, Los Angeles, Cal.
Hockwald Chemical Co. ("Carbolicide"), 531 Howard, San Francisco, Cal.
Hoosier Mfg. Co. ("Hoosier"), 521H W McCarthy, Indianapolis, Ind.
Insecticide Co., Phelan bldg, San Francisco, Cal.
Kellogg Ant Paste Co., 1000 E 9th, Los Angeles, Cal.
Kil-M-Ded Products Co., 5000 Moneta av, Los Angeles, Cal.
Lacko Specialty Co. Inc. ("Lilaco"), 824 Montgomery, San Francisco, Cal.
Larvex Corp, The, 55 Rodney, Brooklyn, N. Y.
Lee Geo. H. Co., Omaha, Neb.
Leggett & Bro. ("Anchor"), 301 Pearl, New York
Leinen John F. Chemical Co. ("Leinen's" Rodenticides), 177H Jessie, San Francisco, Cal.
Lewis F. J. Mfg. Co., 2513 S Robey, Chicago, Ill.
Maas A. R. Chemical Co. ("Cresy-Lol"), 308 E 8th, Los Angeles, Cal.
Michel & Pelton Co. ("Mapco"), 639 Howard, San Francisco, Cal.
Nicotine Mfg. Co., 117 N Main, St. Louis, Mo.
O'Kleen O Products Co., 712 Madison av, Baltimore, Md.
Pacific Chemical Co., 1421 N Main, Los Angeles, Cal.
Pacific Coast Insect Exterminator Co. ("Alexander's" Superheated Steam), Pacific bldg., San Francisco, Cal.
Painter E. O. Fertilizer Co., Jacksonville, Fla.
Peerless Stock Powder Co. ("Nox-a-Bug"), Falls City, Neb.
Plunkett Chemical Co. ("Bug-no," "Roach-no," "Moth-no"), 3500 S Morgan av, Chicago, Ill.
Pratt B G Co. ("Scalecide" Agricultural), 50 Church, New York
PROTEXOL CORP., 41 Barclay, New York
See adv index at end of book
Reade Mfg. Co. ("Readeana" Insect Killer, Hoboken, N. J.
Riches, Pever & Co., 30 Church, New York
Rochester Germicide Co., 16 Dowling pl., Rochester, N. Y.
Rogers R. R. Chemical Co., 527H Commercial, San Francisco, Cal.
San Jose Spray Mfg. Co., Emory & Stockton av, San Jose, Cal.
Sanifect Co., 461 8th av., New York
Sanitary Products Corp., 2710 Lefevr, Philadelphia, Pa.
Schafer Geo. H. & Co. (Centennial," Rat), Fort Madison, Ia.
Spirittine Chemical Co. ("Spirittine"), Wilmington, N. C.
Standard Chemical Co., 728 Frankfort av, Cleveland, O.
Standard Chemical Co. ("Cedo-Cide"), Houston, Texas
Stauffer Chemical Co., 624 California, San Francisco, Cal.
Stearns Electric Paste Co., Peoples Gas bldg., Chicago, Ill.
Talbot Mfg. Co. ("Talbot's" Ant, Flea & Moth Exterminator), 461 E 31st, Los Angeles, Cal.
Vestal Chemical Co. ("Vestaline" Roach Powder), 1128 Pine, St. Louis, Mo.
Wag's Chemical Co. ("Crows"), 521 S Gay, Knoxville, Tenn.
Walnut Growers Spray Mfg. Co. ("Nico-Dust" Dry), 2412 E 57th, Los Angeles, Cal.
Wenatchee Rex Spray Co. ("Fly Tox"), Wenatchee, Wash.
WEST DISINFECTING CO. ("Cidol" Roach Powder, "Fly-Bane," Liquid, Powder & Fly Oils), 411 Fifth av, New York *See adv index at end of book*
Williams Joseph Co., Sharpsburg, Pa.
Wood & Durham Mfg. Co., 2001 Slauson av, Los Angeles, Cal.
Worrell Mfg. Co., 112H N Main, St. Louis, Mo.

6623— Insoles (Cork)

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Inspirators

See Injectors

6624a—Instruments (Aeroplane)

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National Gauge & Equipment Co., La Crosse, Wis.
Pioneer Instrument Co., 754 Lexington, Brooklyn, N. Y.
Sperry Gyroscope Co., 40 Flatbush Ext., Brooklyn, N. Y.

6625—Instruments (Astronomical)

Bausch & Lomb Optical Co., Rochester, N. Y.
Berger C. L. & Sons, 45 Williams, Boston, Mass.
Bloom Max & Co., 1147H Mission, San Francisco, Cal.
Buff & Buff Mfg. Co., rear 98 Green, Jamaica Plain, Boston, Mass.
Pennsylvania Instrument Co., 616-618 Chestnut, Phila., Pa.
Warner & Swasey Co., 5809 Carnegie av, Cleveland, O.
Wissler Instrument Co., 613 N Broadway, St. Louis, Mo.

Instruments (Band)

See Instruments, Musical

6625a—Instruments (Electrical Recording)

Bristol Co. ("Bristol's Strip Type Ammeter, Voltmeter, & Wattmeter). Waterbury, Conn.
See adv index at end of book
Brown Instrument Co., Wayne & Windrim, Phila., Pa.
Esterline Co., Indianapolis, Ind.
General Electric Co., Schenectady, N. Y.
See adv index at end of book
Leeds & Northrup Co., 4901H Stenton av, Phila., Pa.
Queen-Gray Co., 64-70H W. Johnson, Phila., Pa.
Sangamo Electric Co., Dept. H, Springfield, Ill.
Thwing Instrument Co., 3339 Lancaster av, Phila., Pa.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

6626-7—Instruments (Electrical Testing & Measuring)

AMERICAN STEEL & WIRE CO. ("A. S & W" Rail Bond Testers), 208 S La Salle, Chicago, Ill.
See adv index at end of book
Biddle Jas. G. (Testing), 1211 Arch, Phila., Pa.
BRISTOL CO. ("Bristols"), Waterbury, Conn. *See adv index at end of book*
Century Electrical Co. ("Century" Field & Armature Tester & Testing Devices), Syracuse, N. Y.

(Continued on following page)

Instruments (Electrical Testing & Measuring)—Continued

Chicago Apparatus Co. (For Educational Institutions, etc), 32 S Clinton, Chicago, Ill.
Eldredge Electric Mfg. Co., Springfield, Mass.
Foote, Pierson & Co. ("Delta" Testing), 160 Duane, New York
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Heintz & Kohlmoos, Inc., 223 Natoma, San Francisco, Cal.
Hickock Electrical Instrument Co., 10514 Dupont, Cleveland, O.
Joy Machine Co. (Railway Testing), Union Arcade bldg, Pittsburgh, Pa.
Karas Elec. Co., 4040 Rockwell, Chicago, Ill.
Leeds & Northrup Co., 490 Stenton av, Phila., Pa.
Lord Mfg. Co. ("Leco" Direct Reading Bono Tester), 105 W 40th, New York
Metropolitan Device Corp., 1250 Atlantic av, Brooklyn, N. Y.
Norton Electric Instrument Co., Manchester, Conn.
Pennsylvania Instrument Co., 616-618 Chestunt, Phila., Pa.
Pyrolectric Instrument Co., Trenton, N. J.
Queen-Gray Co., 618 Chestnut, Phila., Pa.
Reliance Instrument Co., 1135 W Van Buren, Chicago, Ill.
Roller-Smith Co. ("Roller-Smith," Measuring), 233 B'way, New York
Sangamo Electric Co., Dept. H, Springfield, Ill.
Thompson-Levering Co. ("Peerless"), 32b Arch., Phila., Pa.
Thwing Instrument Co., 3339 Lancaster av, Phila., Pa.
Welch W. M. Scientific Co., 1516 Orleans, Chicago, Ill.
WESTBURG ENG. CO., 57 W Jackson blvd, Chicago, Ill.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book
Weston Electrical Instrument Co., Waverly Park, Newark, N. J.
Wissler Instrument Co., 613 N Broadway, St. Louis, Mo.

6628—Instruments (Hardness Testing)

Pittsburgh Instrument & Machine Co. ("Brinell"), 236 3d av, Pittsburgh, Pa.
Sauveur & Boylston ("Brinell," Importers), Cambridge, Mass.
SHORE INSTRUMENT & MFG. CO., THE, Jamaica, N. Y.
Wilson-Maeuten Co. ("Rockwell"), 383 Concord av, New York

6629—*Instruments (Intricate Mechanical)

PLUMB D. S. (Special to Order), 73-77 Norfolk, nr Central av, Newark N. J.
See adv index at end of book

6630— Instruments (Leveling)

Athol Mach. & Foundry Co., Athol, Mass.
Pennsylvania Instrument Co., 616-618 Chestnut, Phila., Pa.
Starrett L. S. Co., Athol, Mass.
Stortz John & Son, Inc. (& Case), 210 Vine, Phila., Pa.
Weber & Co. F., 1220 Buttonwood, Philadelphia, Pa.
Wissler Instrument Co. ("Wissler"), 613 N Broadway, St. Louis, Mo.

6631—Instruments (Magnetic Research)

Leeds & Northrup Co., 4901H Stenton av, Phila., Pa.

Instruments (Mathematical)

See Instruments, Nautical; also Scientific; also Engineering & Surveying

6631a—Instruments (Measuring)

Florin Philip, 465 Broome, New York
Glogau & Co., Great Lakes bldg, Chicago, Ill.
INDICATING CALIPERS CORP., 506 E 19th, New York
See adv index at end of book
Norma Co. of America, Anable av, Long Island City
Pneumercator Co., 40 Flatbush av Extension, Brooklyn, N. Y.

6631b—Instruments (Measuring & Recording—Monel Metal Parts)

Bacharach Industrial Instrument Co., 7000 Bennett, Homewood Sta., Pittsburgh, Pa.
Bristol Company, Waterbury, Conn.
Brown Instrument Co., Philadelphia, Pa.
Cleveland Instrument Co., Cleveland, O.
Ellison Lewis M., 214 W Kinzie, Chicago
Ford Instrument Co., Rawson st, L. I. City, New York
Foxboro Company, Foxboro, Mass.
Hays Jos. W. Corp., Michigan City, Ind.
Hohmann-Nelson Co., Eau Claire, Wis.
Hoskins Mfg. Co., Detroit, Mich.
INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Minneapolis Heat Regulator Co., 2750 4th av, South Minneapolis, Minn.
Nelson Mfg. Co., Real Estate Trust bldg, Philadelphia, Pa.
Precision Instrument Co., 21 Halsey, Newark, N. J.
Reliance Gauge Column Co., 5919 Carnegie av, Cleveland, O.
Schaeffer & Budenberg, Berry & S 5th, Brooklyn, N. Y.
Sperry Gyroscope Co., 40 Flatbush av, Brooklyn, N. Y.
Tagliabue C. J. Mfg. Co., 18 33rd, Brooklyn, N. Y.
Taylor Instrument Co., Rochester, N. Y.
Uehling Instrument Co., Paterson, N. J.

6631c—Instruments (Meteorological)

Moeller A. E. & Co., 261 Sumpter, Brooklyn, N. Y.
Taylor Instrument Co., Dept. H, Rochester N. Y.

6632— Instruments (Musical)

Bartola Musical Instrument Co., Oshkosh, Wis.
Baumgartner Eugene (Flutes, Clarinets & Violins), P. O. Downers Grove, Westmont, Ill.
Blessing Emil K. (Band Instruments), Elkhart, Ind.
Bruno C. & Son, 351 4th av, New York
Buescher Band Instrument Co. (Band & Orchestra Instruments), Elkhart, Ind.
Buss H. & Son (Imp. Harmonicas), 434 Broadway, New York
Conn Chas. G., Ltd. (Band Instruments), Elkhart, Ind.
Diamond Whip Co. (Drum Heads, Banjo Heads), 406 N. Curtis, Chicago, Ill.
Golden State Music Co. (Stringed), 1928 Centre, Berkeley, Cal.
Martin Band Instrument Co. (Band Instruments), Elkhart, Ind.
National Musical String Co. (Harmonicas), New Brunswick, N. J.
Naujoks-McLaughter Co. ("Sil-Va-Lal" Saxaphone Mouthpiece), 929 S Hill, Los Angeles, Cal.
Niagara Musical Instrument Co. (Automatic), N Tonawanda, N. Y.
Nuss Mfg. Co., Harrisburg, Pa.
Regan H. & G. P., Inc. (Harmonicas & Novelties), 40th av & E 10th, Oakland, Cal.
Regina Co., Rahway, N. J.
Sandstrom G. S. Furniture Mfg. Co. (Banjo & Ukelele), 1500 E 12th, Oakland, Cal.
Schmidt Oscar, Ins., 87 Ferry, Jersey City, N. J.
Strauss Bros. & Co. (Imp.), 355 B'way, New York
Welte M. & Sons (Automatic Full Brass Band, etc.), 667 5th av, New York
Whitlock J. W. & Co., Rising Sun, Ind.
Wurlitzer, Rudolph Mfg. Co., 117 E. 4th, Cincinnati, O.

6633—Instruments (Nautical)

Bausch & Lomb Optical Co., Rochester, N. Y.
Cummings Ship Instrument Wks., 255 Atlantic, Boston, Mass.
Hadlock W. E. & Co., 136 State, Boston, Mass.
Hand Jno. & Sons, 208 Chestnut, Phila., Pa.
Holz Herman A., 16 Madison av, New York
Kelvin & Wilfred O. White Co., 112 State, Boston, Mass.
Keuffel & Esser Co., Hoboken, N. J.
Kuner Max (Azimuth & Compos Magnifiers), 804 1st av, Seattle, Wash.
Lietz A. Co., 61 Post, San Francisco, Cal.
Marine Compass Co., Bryantville, Mass.
Merrill's R. Sons, 66 South, New York.
Negus T. S. & J. D., 140 Water, New York
Norma Co. of America (Measuring), Annabelle av, Long Island City, N. Y.
Pennsylvania Instrument Co., 616-618 Chestnut, Phila., Pa.
Riggs & Bro., 310 Market, Philadelphia, Pa.
Ritchie E. S. & Sons, Brookline, Mass.
Rupp Michael & Co. (Imp.), 112 Broad, New York
Saal H. G. Co., 1800 Montrose av, Chicago, Ill.
Sherman, Eugene M., Bellevue, Wash.
Sperry Gyroscope Co. ("Sperry"), 40 Flatbush av, Brooklyn, N. Y.
Upson Walton Co., 1294-7 W 11th, Cleveland, Ohio.
Weule Louis Co., 6 California, San Francisco, Cal.
Wissler A. Instrument & Mfg. Works, B'way & Wash. av, St. Louis, Mo.

6634—Instruments of Precision

Eimer & Amend, 205 E 18th, New York
Fiego Alex. J. R., Lynn, Mass.
Leeds & Northrup Co., 4901H Stenton av, Phila., Pa.
Lietz A. Co., 61 Post, San Francisco, Cal.
Meyers W. F. Co., Bedford, Ind.
Norma Co. of America ("Minimeter"), Anable av, Long Island City
Pantechnical Mfg. Co. ("Pantec"), 3051 Adeline, Berkeley, Cal.
Pennsylvania Instrument Co., 616-618 Chestnut, Phila., Pa.
Pneumercator Co., 40 Flatbush av Extension, Brooklyn, N. Y.
Popkin Bros. Co., Inc., 267-71 Wyckoff, Brooklyn, N. Y.
Pyrolectric Instrument Co., Trenton, N. J.
Starrett L. S. Co., Athol, Mass.
Weber Co. F., 1220 Buttonwood, Philadelphia, Pa.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book
Wissler Instrument Co., 613 N Broadway, St. Louis, Mo.

6635— Instruments (Optical)

Aloe A. S. Co., 513 Olive, St. Louis, Mo.
Dixon, Wm., 119 Fulton, New York
Framerican Industrial Development Corp. (Imptrs.), 21 E 40th, New York
Holz Herman A., 16 Madison av, New York
Leeds & Northrup Co., 4901H Stenton av, Phila., Pa.
Limeburner J. E. Co., 1720 Chestnut, Phila., Pa.
Pantechnical Mfg. Co. ("Pantec"), 3051 Adeline, Berkeley, Cal.
Pennsylvania Instrument Co., 616-618 Chestnut, Phila., Pa.
Queen-Gray Co., 64-70H W. Johnson, Phila., Pa.
Reid J. E. Instrument Co., Inc., 403 N 12th, Phila., Pa.
Wagner Bros. & Co. (Imp.), 100 5th av, New York

6635a—Instruments (Photomicrographic)

Eimer & Amend, 205 E 18th, New York
Sauveur & Boylston ("S. & B."), Cambridge, Mass.

6636— Instruments (Pocket)

American Ever Ready Wks. of Natl. Carbon Co., Thompson av, Long Island, City, N. Y.
Benford Mfg. Co., Mt. Vernon, N. Y.
Bunnell J. H. & Co., 32 Park pl, New York
Clark Elec. Meter Co., 1208 Kresge bldg, Detroit, Mich.
Eldridge Elec. Mfg. Co., Springfield, Mass.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Harvard Elec. Co. (Battery Gauges), 525 Van Buren, Chicago, Ill.
Hoyt Elec'l Instrument Wks. Penacook, N. H.
Manhattan Electrical Supply Co., 17 Park pl, New York
Pignolet Instrument Co., 114 Liberty, New York
Queen-Gray Co., 618 Chestnut, Phila., Pa.
Readrite Meter Wks., Bluffton, O.
Roller-Smith Co., 233 B'way, New York
Sholder-Excel Mfg. Co., Clyde, O.
Sterling Mfg. Co., 2845 Prospect av, Cleveland, Ohio
Weber Co. F., 1220 Buttonwood, Philadelphia, Pa.
Weston Elec'l Instrument Co., Waverly Park, Newark, N. J.

6637—Instruments (Pole Measuring)

United Electric Supply Co. ("Vertascope"), Marion, Ohio

6638-9—Instruments (Radii)

BRISTOL CO. ("Bristol-Durand"), Waterbury, Conn.
See adv index at end of book

Instruments (Recording)

See the Specific Article Required

6640—Instruments (Scientific)

Aloe A. S. Co., 513H Olive, St. Louis, Mo.
Bausch & Lomb Optical Co., Rochester, N. Y.
Beckmann L. Co. (Surveying, 1003 Jackson st, Toledo, O.
Berger C. L. & Sons, 45 Williams, Boston, Mass.
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
BRISTOL CO. ("Bristol"), Waterbury, Conn. *See adv index at end of book*
Buff & Buff Mfg. Co. (Field), rear 98 Green, Jamaica Plains, Boston, Mass.
Dietzgen Eugene Co., 166 W Monroe, Chicago, Ill.
Elliott B. K. Co., 126 6th, Pittsburgh, Pa.
Heintz & Kohlmoos, Inc., 223 Natoma, San Francisco, Cal.

Holz Herman A., 16 Madison av, New York
Humboldt Mfg. Co., 2014 Nebraska av, Chicago, Ill.
Jesnig, C., 714 Sansom, Phila, Pa.
Keuffel & Esser Co., Hoboken, N. J.
Knott L. E. Apparatus Co., 79 Amherst, Cambridge, Mass.
Leeds & Northrup Co., 4901H Stenton av, Phila., Pa.
Leupold Voelpel & Co., 107 E 70th N, Portland, Ore.
See adv index at end of book
Lietz A. Co., 61 Post, San Francisco, Cal.
Pantechnical Mfg. Co. ("Pantec"), 3051 Adeline, Berkeley, Cal.
Pennsylvania Instrument Co., 616-618 Chestnut, Phila., Pa.
Queen-Gray Co., 64-70H W. Johnson, Phila., Pa.
Rose E. J. Mfg. Co., 308 E 9th, Los Angeles, Cal.
Schaar & Co., 553 N Jackson blvd, Chicago, Ill.
Scientific Utilities Co., Inc. (Surgical, etc., for Chemical Laboratories), 18 E 16th, New York
SHORE INSTRUMENT & MFG. CO. (THE) (Scleroscope, Pyroscope, Rubber Testers), Jamaica, N. Y.
Tagliabue C. J. Mfg. Co., 18 33d, Brooklyn, N. Y.
University Apparatus Co., 2229 McGee av, Berkeley, Cal.
Welch W. M. Scientific Co., 1516 Orleans, Chicago, Ill.
Wissler Instrument Co., 613 N Broadway, St. Louis, Mo.

6641—Instruments (Surgical & Dental)

(Names with * also manufacture Monel Metal)

American Oil & Supply Co. (Dental), 288 Wilson av, Newark, N. J.
Armstrong Wm. H. Co., 233 N Penn, Indianapolis, Ind.
*Beckley Perforating Co., Garwood, N. J.
Becton, Dickinson & Co., Rutherford, N. J.
Berbert A. & Bro., 436 Powell, San Francisco, Cal.
Betz Frank S. Co., Hammond, Ind.
Bleadon-Dun Co., 218 S Peoria, Chicago
Buffalo Dental Mfg. Co. (Dental Only), 589 Main, Buffalo, N. Y.
Carstens H. Mfg. Co., 567 W Lake, Chicago, Ill.
Cleveland Dental Mfg. Co., 3307 Scranton rd, Cleveland, O.
*Cleveland Wire Cloth Co., Cleveland, O.
Codman & Shurtleff, 535 Albany, Boston, Mass.
De Vilbiss Mfg. Co., Toledo, O.
De Zeng Standard Co. (Elec. Lighted), Camden, N. J.
Dixon, Wm., 119 Fulton, New York
Dougherty J. T. (Imp.), 409 W 59th, New York
Dugan-Johnson Co., 29 W Ohio, Indianapolis, Ind.
Electro Dental Mfg. Co. (Dental), 33rd & Arch, Phila., Pa.
Feick Bros. Co., 809 Liberty av, Pittsburgh, Pa.
Forgegor Co. (Anaesthetic appar.), 47 W 42nd New York
Gemrig J. H. & Son, 109 S 8th, Phila., Pa.
Hatteroth William, 228 Powell, San Francisco, Cal.
Haynes Stellite Co. ("Stellite"), Kokomo, Ind.
Heintz & Kohlmoos, Inc., 223 Natoma, San Francisco, Cal.
*Hendrick Mfg. Co., Carbondale, Pa.
Hospital Supply Co., 153 E. 23rd, New York
*Howard & Morse, 1197 DeKalb av, Brooklyn, N. Y.
Independent Mechanical Electrical Works (Dental), 3040 S Main, Los Angeles, Cal.
INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp., C. O., Southport, Conn.
Kennedy J. E. & Co., 201 E 23rd, New York
Knauth Bros. (Surgical), 84 5th av, New York
Kny-Scheerer Co. (Illuminated), 404 W 27th, New York
Koch F. A. & Co., 524 B'way, New York
Leach & Greene, 100 Boylston, Boston, Mass.
Lehde H. E., 3 S B'way, St. Louis, Mo.
Low N. S. & Co., 44 Ave. A, New York
McCully R. P. & C. H., Inc., 331 Van Buren, Brooklyn, N. Y.
McDermott Surgical Instrument Co., 734 Poydras, New Orleans, La.
*Magosy & Buscher, 232 Canal, New York
Marine Compass Co., Bryantville, Mass.
Meyerowitz E. B. 1158 Madison av, New York
Mueller V. & Co., 1835 W Van Buren, Chicago, Ill.
*Munning & Co. A. P., Matawan, N. J.
Neuhaus C. & Co., 510 N. Eutaw, Baltimore, Md.
Ohio Chemical & Mfg. Co., 1177 Marquette, San Francisco, Cal.
Ohio Instrument Mfg. Co., 1410 St. Catherine, Cleveland, Ohio
Pacific Surgical Mfg. Co., Los Angeles, Cal.
Payne Matthew Dental & Surgical Mfg. Co., Matthews, Yonkers, N. Y.
Pedersen Lubricator Co. ("Hartley & Kenyon" Outfit for Bone Operation), 636 First av, New York
Pelton & Crane Co. (Illuminated), 682 Harper, Detroit, Mich.
Pilling Geo. P. Son & Co., 23d & Arch, Phila., Pa.
Poughkeepsie Cutlery Wks., Inc. (Surgical), Poughkeepsie, N. Y.
Precision Thermometer & Instrument Co. (The Nicholson "Prince" Sphygmomanometer), 1435 Brandywine, Phila., Pa.
Precious Metals Tempering Co., Inc. ("Surgical" Gold & Silver Knives & Hypodermic needles), 30 Church, New York
Randall-Faichney Co., Boston, Mass.
Reid Bros., Inc., (Surgical), 91 Drumm, San Francisco, Cal.
Reid J E Instrument Co. Inc. (Dental Only), 408 N 12th, Phila., Pa.
Richter Gustav F., Hollis, Brooklyn, N. Y.
Rose E. J. Mfg. Co., 308 E 9th, Los Angeles, Cal.
Schmid E. Co., 912 Fort Wayne av, Indianapolis, Ind.
Schmid Leopold, 3143 College, Philadelphia, Pa.
Schnefel Bros. (Surgical & Dental Forceps), 684 So 17th, Newark, N. J.
Scientific Apparatus Co., Inc. (Gas Oxygen Apparatus), 17 W 60th, New York
Scientific Utilities Co., Inc., 18 E 16th, New York
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Sharp & Smith, 65 E Lake, Chicago, Ill.
*Sholes Inc., 186 Lafayette, New York
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*Smith & Co. John P., New Haven, Conn.
Specialty Mfg. Co. ("De Senfe" & "Spemaco"), 420 E 149th, New York
*Steel Products Mfg. Co., Cicero, Ill.
Sterling Mfg. Co., Springfield, O.
Tagliabue C. J. Mfg. Co., 18 33d, Brooklyn, N. Y.
Takamine Commercial Corp. (Imp.), 120 B'way, New York
*Taylor Disc Co., Mansfield, O.
Tiemann Geo. & Co., 107 E 28th, New York
Tutschek F., 209 Centre, New York
*Tyler Co. W. S., Cleveland, O.
Walters Surgical Co., 441 Sutter, San Francisco, Cal.
Wappler Electric Co. (Electric Lighted), 137 Harris av, Long Island City, N. Y.
Weniger H., 143 Valencia, San Francisco, Cal.
Western Instrument Co., 1001 Wash. bl., Chicago, Ill.
White S. S. Dental Mfg. Co. 211 S 12th, Phila, Pa.
Willis Wm. V. & Co., 225 S 11th, Phila., Pa.
Wilson Instrument & Specialty Co., Passaic, N. J.
Wocher Max & Son Co. (Surgical), 19 W 6th, Cincinnati, O.
Zipf A., 3044 Olive, St. Louis, Mo.

6642—Instruments (Telegraph)

Bunnell J. H. & Co. (Also Telegraph Appliances), 32 Park pl, New York
Foote, Pierson & Co. (Measuring & Testing Instruments of Precision), 160 Duane, New York
Kleinschmidt Elec. Co., Mont & Manley. Long Island City, N. Y.
Lamson Co., 9 E 37th, New York
Manhattan Electrical Supply Co. (Standard & Wireless), 17 Park pl, New York
Menominee Elec Mfg. Co., Menominee, Mich.
Morkrum Co., 1410 Wrightwood av, Chicago, Ill.
Pierson Mfg. Co., Topeka, Kan.
Telautograph Corp., 448 W. 37th, New York
Western Electric Co., 500 S Clinton, Chicago, Ill. & 463 West, New York

6643—Instruments (Testing, Ammeter & Voltmeter)

Leeds & Northrup Co., 4901H Stenton av, Phila., Pa.
National Carbon Co. ("Columbia"), Madison av, N W & W 117th, Cleveland, O.
Weston Electrical Instrument Co. ("Weston" Battery Testing Voltmeter), 16 Weston, Newark, N. J.

6644—Instruments (Testing, Assayers' & Chemists')

Eimer & Amend (Impt.), 205 E 18th, New York
Greiner Emil Co., 55 Fulton, New York
National Carbon Co. ("Columbia"), H Thompson av & Orton, Long Island City, N. Y.

Instruments (Testing & Measuring)

See Instruments, Electrical Testing & Measuring

6645-6—Instruments (Veterinary)

Knauth Bros., 84 5th av, New York
Koch F. A. & Co., 524 B'way, New York
National Appliance Co. ("Valentines" Caponizing Instruments), 935 Sandy blvd., Portland, Ore.
U. S. Needle Concern (Needles), 912 W Madison, Chicago, Ill.

6647— Insulating Asphalt

Barber Asphalt Co., Land Title bldg, Phila., Pa.
Byerly & Sons ("Byerlyte"), 2489 W 4th, Cleveland, O.
Standard Asphalt & Rubber Co. ("Sarco" Asphalt Gum), 208 S La Salle, Chicago, Ill.
Stowell Mfg. Co., 240 Culver av, Jersey City, N. J.
Texas Company, The, Dept. D, 17 Battery pl, New York
See adv index at end of book
Warren Chemical & Mfg. Co., 17 Battery pl, New York
Watson H. F. Co., Erie, Pa.

6647a— Insulating (Brick)

Celite Products Co., 53 W Jackson blvd, Chicago, Ill.
QUIGLEY FURNACE SPECIALTIES CO., ("Insulbrix"), 26 Cortlandt, New York
See adv index at end of book

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26 Cortlandt Street, New York

6647b— Insulating Material

Bishopric Co. (Lath & Paper Combinations), Lockland, Cincinnati, O.
Cabot Inc. Samuel (Sea Grass), 141 Milk, Boston, Mass.
Candy & Co., Inc. (Waxes), 403 Paulina, Chicago, Ill.
Celite Products Co. ("Sil-o-cel"), 53 W Jackson blvd, Chicago, Ill.
Celotex Co. ("Celotex" Lumber), 645 N Michigan av, Chicago, Ill.
Cochrane Chemical Co., 432 Danforth, Jersey City, N. J.
Connecticut Tel. & Elec. Co., 70 Britannia, Meriden, Conn.
Dielectric Mfg. Co., 224 S Vandeventer av, St. Louis, Mo.
Flaxlinum Insulating Co., Hampden & Wabash, St. Paul, Minn.
GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book
Insulite Co. (Wood Pulp), Builders' Exchange, Minneapolis, Minn.
Johns-Manville Inc., Madison av & 41st, New York
Mitchell-Rand Mfg. Co., 26 Vesey, New York
Oeters Edgar O., 603 Arch, Phila., Pa.
Quigley Furnace Specialties Co., 26 Cortlandt, New York
New York *See adv index at end of book*
Trotter E. T. & Co. (Waxes), 602 Johnson av, Brooklyn, N. Y.
Union Fibre Co. (Hair Felt), Winona, Minn.
WEST VA. PULP & PAPER CO. (Pulp Products Dept.), 200 5th av, New York
See adv index at end of book
Wood Conversion Co. (Wood Pulp), Cloquet, Minn.
Woolbestos Products Co. ("Woolbestos"), Torrance, Cal.

Insulating Press Boards

See Press Boards

6648—Insulating Rubberized Asbestos

Boonton Rubber Co., Boonton, N. J.
General Asbestos & Rubber Co., Charleston, S. C.

6649— Insulation (Armature)

Bakelite Corp., 247 Park av, New York
See adv index at end of book
Iten Fibre Co., 2358 E 67th, Cleveland, Ohio
See adv index at end of book
Mitchell-Rand Mfg. Co., 26 Vesey, New York
NATIONAL VULCANIZED FIBRE CO., Beach & Maryland av, Wilmington, Del. *See adv index at end of book*
Oeters Edgar O. Co., 603 Arch., Phila., Pa.
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
See adv index at end of book

(Continued on following page)

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Binding Posts
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San Francisco, 589 Howard St.
Salt Lake City, Dooly Bldg.
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Toronto, 220 King St., W.

Insulation (Armature)—Continued

WEST VA. PULP & PAPER CO. (Pulp Products Dept.), 200 5th av, New York
See adv index at end of book

6650—Insulation (Cold Storage & Refrigerator)

All Roofing Mfg. Co., East St. Louis, Ill.
American Balsa Co., Inc. ("Balsalation"), 50 E 42nd, New York
Armstrong Cork & Insulation Co. ("Nonpariel," "Acme" & "Eureka" Corkboard; also Granulated Cork), 24th & A. V. R.R., Pittsburgh, Pa.
Banner Rock Products Co., Alexandria, Ind.
Barrett Co. (Insulating Rope), 17 Battery pl, New York
Califelt Insulation Mfg. Co., 1224 Santa Fe av, Los Angeles, Cal.
Carey Philip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, O.
Celite Products Co., 53 W Jackson blvd, Chicago, Ill.
Dry Zero Insulation Co., Balfour bldg, San Francisco, Cal.
Federal Asbestos Co., Milwaukee, Wis.
Flaxlinum Insulating Co., Hampden & Wabash, St. Paul, Minn.
Gay Engineering Corp., 2650 Sante Fe av, Los Angeles, Cal.
General Insulating & Mfg. Co., Central Nat'l Bank bldg, St. Louis, Mo.
Johns-Manville Inc. ("Keystone" Hair, Sheet, Cork, Granulated Cork Hair Felt), Madison av. & 41st, New York
National Insulating & Mfg. Co., 951 S Eastern av, Indianapolis, Ind.
Northern Insulating Co. ("Flaxlinum"), St. Paul, Minn.
Tuco Products Corp., 30 Church, New York
Union Fibre Co. ("Linofelt" Waterproof, "Lith" & "Fibrofelt" Boards), Winona, Minn.
Union Insulating & Construction Co., 608 S Dearborn, Chicago, Ill.
United Cork Cos. ("Star" & "Crescent", Cork Board), 50 Church, New York
U. S. Gypsum Co. ("Pyrobar" Gypsum Tile), 205 W Monroe, Chicago, Ill.
U. S. Mineral Wool Co., 280 Madison av, New York
Watson H. F. Co., Erie, Pa.
Western Insulex Co. ("Insulex"), 4065 Hollis, Emeryville, Cal.
Woolbestos Products Co. ("Woolbestos"), Torrance, Cal.

6651-2— Insulation (Cork)

Armstrong Cork & Insulation Co. ("Nonpareil," "Acme" & "Eureka" Corkboard & Granulated Cork), 24th & A. V. R.R., Pittsburgh, Pa.
Banner Rock Products Co. ("Rock"), Alexandria, Ind.
Federal Asbestos Co. (Cork Board), Milwaukee, Wis.
Tuco Products Corp., 30 Church, New York
Union Fibre Co., Inc. ("Union" Cork Board), Winona, Minn.
Union Insulating & Construction Co., 608 S Dearborn, Chicago, Ill.
United Cork Cos. ("Star," "Crescent"), 50 Church, New York

6653— Insulation (Electrical)

Am. Insulator Co. ("Aico"), New Freedom, Pa.
BAKELITE CORP., 247 Park av, New York
See adv index at end of book
Brandywine Fibre Products Co. (Vulcanized Fibre Tubing), E Wilmington, Del. *See adv index at end of book*
Chicago Mica Co. (Mica), Campbell, Valparaiso, Ind.
See adv index at end of book
Connecticut Tel. & Elec. Co., 70 Britannia, Meriden, Conn.
Continental Fibre Co. (Sheet, Rod & Tube), Newark, Del.
Cronkhite Co., Inc., 185 Devonshire, Boston, Mass.
ECONOMY FUSE & MFG. CO., Greenview av at Diversey Parkway, Chicago, Ill.
See adv index at end of book
FIBROC INSULATION CO. ("Fibroc" Sheets), cor. Campbell, Valparaiso, Ind. *See adv index at end of book*
International Insulating Corp. (Moulded), 25 W 45th, New York
Oeters Edgar O., 603 Arch, Phila., Pa.
Pairpoint Corp. (Paper Tubes), New Bedford, Mass.
Spaulding Fibre Co. Inc., Tonawanda, N. Y.
Telenduron Company, Ambler, Pa.
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See Felts, Hair

6654— Insulation (Horn)

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Tuco Products Corp., 30 Church, New York

6654a—*Insulation (Molded Electric)

ECONOMY FUSE & MFG. CO., Greenview av at Diversey Parkway, Chicago, Ill.
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6655—Insulation (Molded Heat-Proof)

American Hard Rubber Co., 9 Mercer, New York
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Auburn Button Works, Inc., Auburn, N. Y.
Bakelite Corp., 247 Park av, New York
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Belden Mfg Co., 2316 S Western av, Chicago, Ill.
Boonton Rubber Co. ("Bakelite"), Boonton, N. J.
BURKE ELECTRIC CO., Erie, Pa.
See adv index at end of book
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See adv index at end of book
Compo-site, Inc., 207 Astor, Newark, N. J.
Cutler-Hammer Mfg. Co., 12th & St. Paul Milwaukee, Wis.
See adv index at end of book
Diamond State Fibre Co., Bridgeport, Pa.
Die Molding Production Co., Rasbach, Canastota, N. Y.
Duranoid Mfg. Co., 213 Chestnut, Newark, N. J.
ECONOMY FUSE & MFG. CO., Greenview av at Diversey pkwy, Chicago, Ill.
See adv index at end of book
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Electrose Mfg. Co., 70 Washington, Brooklyn, N. Y.
Fibroc Insulation Co. ("Fibroc"), cor. Campbell, Valparaiso, Ind.
See adv index at end of book
Formica Insulation Co., 4614 Spring Grove av, Cincinnati, O.
Garfield Mfg Co., Garfield, N. J.
General Insulate Co. ("Insulate" Rubber Substitute), 1008 Atlantic av, Brooklyn, N. Y.
Gray & Danielson Mfg. Co., 250 1st, San Francisco, Cal.
Hemming Mfg. Co., Garfield, N. J.
International Insulating Corp. ("Sternoid" & "Sterno-Condensite" Electric), 25 W 45th, New York
Johns-Manville, Inc. ("Electro-bestos"), Madison av & 41st, New York
Johns-Pratt Co., Hartford, Conn.
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Macallen Co., 16 Macallen, Boston, Mass.
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Pouvailsmith Corp., Poughkeepsie, N. Y.
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Shaw Insulator Co., 146 Coit Irv, Newark, N. J.
Specialty Insulation Mfg. Co., Hoosick Falls, N. Y.
Stokes Jos. Rubber Co., Trenton, N. J.
Telenduron Co., Ambler, Pa.
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See adv index at end of book
Watertown Mfg. Co., Watertown, Conn.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

6655a— Insulation (Radio)

BAKELITE CORP., 247 Park av, New York
See adv index at end of book

6656—Insulation (Rail Joint)

Continental Fibre Co. (Fibre), Newark, Del.
Delaware Hard Fibre Co. (Hard Fibre), Wilmington, Del.
See adv index at end of book
Diamond State Fibre Co., Dept. 37, Bridgeport, Pa.
See adv index at end of book
Fibroc Insulation Co. ("Fibroc"), cor. Campbell, Valparaiso, Ind.
See adv index at end of book
Hegeman-Castle Corp. ("Fluxlinum"), 80 E Jackson, Chicago, Ill.
Holden & White ("Flaxlinum"), 80 E Jackson, Chicago, Ill.



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See adv index at end of book
Standard Fibre Co., Miller St., Somerville, Mass.
Wilmington Fibre Specialty Co., Wilmington, Del.

6657—Insulation (Refrigerator Car)

Flaxlinum Insulating Co., Hampden & Wabash, St. Paul, Minn.
Northern Insulating Co. ("Flaxlinum" & Fibre), St. Paul, Minn.

6657a— Insulation (Rod)

Iten Fibre Co., 2358 E 67th, Cleveland, Ohio
See adv index at end of book

6657b—Insulation (Special Shapes) to Order)

Delaware Hard Fibre Co., Wilmington, Del.; Works, Marshallton, Del.
See adv index at end of book
Formica Insulation Co. ("Formica"), 3240 Spring Grove av, Cinn., O.
Iten Fibre Co. (To Order), 2358 E 67th, Cleveland, Ohio
See adv index at end of book

6658—Insulation (Switch Rod)

Brandywine Fibre Products Co. (Vulcanized Fibre), E. Wilmington, Del.
See adv index at end of book
Continental Fibre Co. ("Bakelite-Dilecto"), Newark, Del.
Diamond State Fibre Co., Dept. 37, Bridgeport, Pa.
See adv index at end of book
Fibroc Insulation Co. ("Fibroc"), cor. Campbell, Valparaiso, Ind.
See adv index at end of book
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
SPAULDING FIBRE COMPANY, INC., Tonawanda, N. Y.
See adv index at end of book
Standard Fibre Co., Miller st, Somerville, Mass.

6659— Insulation (Track)

Continental Fibre Co. ("Continental Bakelite"), Newark, Del.
Delaware Hard Fibre Co., Wilmington, Del.; Works: Marshallton, Del.
See adv index at end of book
Diamond State Fibre Co., Dept. 37, Bridgeport, Pa.
See adv index at end of book
Hoist & Crane Engineering Co., The, Engineering bldg, Liberty, New York
See adv index at end of book
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
Spaulding Fibre Company, Inc. (Hard Fibre), Tonawanda, N. Y.
See adv index at end of book
Standard Fibre Co., Miller St., Somerville, Mass.
Whall C. H. Co. ("Whall's" Fibre), 170 Summer, Boston, Mass.

6660— Insulation (Tube)

BRANDYWINE FIBRE PRODUCTS CO., E Wilmington, Del.
See adv index at end of book
Continental Fibre Co. ("Bakelite-Dilecto" Fibre), Newark, Del.
FIBROC INSULATION CO. ("Fibroc"), cor. Campbell, Valparaiso, Ind.
See adv index at end of book
Iten Fibre Co., 2358 E 67th, Cleveland, Ohio
See adv index at end of book
National Paper Product Co., 1789H Montgomery, San Francisco, Cal.

6661—Insulator Pins & Brackets

AMERICAN CROSSARM & CONDUIT CO., 332 S Michigan av, Chicago, Ill.
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Bissell F. Co., Toledo, O.
Blue Ridge Locust Pin Co., Dillsboro, N. C.
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Brady Electric Mfg. Co. (Steel), New Britain, Conn.
Call Clarence (Locust), No. Wilkesboro, N. C.
Central Telephone & Elec. Co. ("Bois d'Arc"), 310 N. 11th, St. Louis, Mo.
Cohn & Bock Co. (Wood), Princess Anne Md.
Cottage Planing Mill Co., Everett, Pa.
Creaghead Engineering Co. ("Creaghead," Malleable Iron), 340 Main, Cincinnati, O.
DIAMOND EXPANSION BOLT CO. ("Ajax"), 89 West, New York
See adv index at end of book
Douglas Fir Cross-Arm Co., Boston bldg, Denver, Col.
Electric Power Equipment Corp., 412 N 18th, Philadelphia, Pa.
Electric Service Supplies Co. ("Keystone"), 17th & Cambria, Phila., Pa.
Electrical Material Co. ("Hivol," "Mabir"), 618 Jackson blvd, Chicago, Ill.
Electrose Mfg. Co. ("Electrose," Insulator Pins, etc), Washn & Plymouth, Brooklyn, N. Y.
Endsley J. W. (Wood), Somerfield, Pa.
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Hallett Iron Works (Steel), Harvey, Ill.
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Hubbard & Co. (Steel), 63rd & Butler, Pittsburgh, Pa.
Illinois Malleable Iron Co., 1801 Diversey blvd, Chicago, Ill.
See adv index at end of book
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L. F. Manfg. Co. (Screw & Foot Types), 426 Hoboken av, Jersey City, N. J.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
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Locke Insulator Mfg. Co. (Iron), Victor, N. Y.
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Insulator Pins & Brackets—Cont.

Mueller Wm. & Co. (Wood), 115 S. Dearborn, Chicago, Ill.
Nashua Spool & Bobbin Co. (Wooden), Haverhill National Bank bldg, Haverhill, Mass.
National Pin & Bracket Co. (Wooden), N Vernon, Ind.
Oliver Iron & Steel Co. (Steel), S 10th & Muriel, Pittsburgh, Pa.
Petertyl Victor (Wood), Traverse City, Mich.
Pettingell-Andrews Co. ("Exemplar"), 166 Pearl, Boston, Mass.
Phila. Electrical & Mfg. Co., 1236 N 31st, Phila., Pa.
Pilliod Lumber Co. (Wood), Swanton, O.
Ridlon Frank Co. ("Rogers," Bracket), 251 A, Boston, Mass.
Robinia Pin Co. (Locust Pins), Shippensburg, Pa.
Steel Car Forge Co. (Steel), Frick bldg, Pittsburgh, Pa.
Stiles H. A. & Co. (Wood), 166-174 Portland, Boston, Mass.
See adv index at end of book
Texas Arm & Pin Co. (Wood), Beaumont, Tex.
Thomas R. & Sons Co., East Liverpool, O.
U. S. Bobbin & Shuttle Co. (Wood), 57 Eddy, Providence, R. I.
Valley Forging Co. ("Pittsburg" Steel Cross Arm & Pole Top Pins), Verona, Pa.
Wiebel L. H. (Wooden), Hagerstown, Md.

6662— Insulator Supports

Bonney Forge & Tool Works, Telghman, Allentown, Pa.
Efficiency Electric Co. (Adjustable & Non-Adjustable), E. Palestine, Ohio.
Electrical Engineer Equipment Co. (All Voltages Up to 110,000), 711 Meridian, Chicago, Ill.
Steel City Electric Co. ("Universal" for Steel Work), 1207 Columbus av, Pittsburgh, Pa.

6663—Insulators (Arc Lamp)

Insulators or Hangers

Ayer F. H. Mfg. Co., Chicago Heights, Ill.
Brady Elec. Mfg. Co., New Britain, Conn.
Commercial Electrical Supply Co., 320 S B'way, St. Louis, Mo.
Creaghead Engng. Co., 340 Main, Cincinnati, O.
Cutter Geo. Co. ("Cutter's"), High Voltage, South Bend, Ind.
Elec. Railway Equipment Co., Cincinnati, Ohio
Electrose Mfg. Co., 70 Washington, Brooklyn, N. Y.
Fletcher Mfg. Co., Dayton, O.
GENERAL ELECTRIC CO. (Hangers), Schenectady, N. Y.
See adv index at end of book
Harrison Electric Co., 1088 DeKalb av, Brooklyn, N. Y.
Hebendahl J. P. Co., Elizabeth, N. J.
Hemming Mfg. Co., Garfield, N. J.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Johns-Manville, Inc. (Molded), Madison av & 41st, New York
Johns-Pratt Co., The ("Moulded Mica" Stud & Straight Hanger), Hartford, Conn.
Lapp Insulation Co. ("Lapp"), Dept H, Le Roy, N. Y.
Line Material Co. ("Kyle"), S Milwaukee, Wis.
Lundin Elec. & Mach. Co., 10 Thatcher, Boston, Mass.
Macallen Co., 16 Macallen, S. Boston, Mass.
Morris Iron & Steel Co., Frederick, Md.
National Sewing Mach. Co., Belvidere, Ill.
Ohio Brass Co., Mansfield, O.
Phila. Elec'l & Mfg. Co., 1236 N 31st, Phila., Pa.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

6664— Insulators (Canopy)

Dale Lighting Fixture Co., 107 W 13th. New York
Macallen Co., 16 Macallen, South Boston, Mass.
Mica Insulating Co. ("Young"), 68 Church, New York
Mitchell, Vance Co., 507 W 24th, New York
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book
Wilmington Fibre Specialty Co., Wilmington, Del.

6665—Insulators (Cross-over)

Cook Pottery Co. (Wedge Porcelain), Trenton, N. J.
Thomas R. & Sons Co., East Liverpool, O.

6666—Insulators (Feed Wire)

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Metropolitan Engineering Co., 1250 Atlantic av, Brooklyn, N. Y.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

Insulators (Fibre)

See Fibre, Hard

6667— Insulators (Glass)

Cumberland Glass Mfg. Co., Bridgeton, N. J.
Hemingray Glass Co. ("Muncie Type," "Triple Petticoat," "Provo Type"), Muncie, Ind.
Hemingway Glass Co., Muncie, Ind.
Joslyn Mfg. & Supply Co., Chamber of Comm. bldg, Chicago, Ill.
Locke Insulator Mfg. Co. ("Boro-Silica," Suspension & Pin Type), Victor, N. Y.
McLaughlin Glass Co., 1900 E 52d, Los Angeles.
Rodefer Glass Co., The (For High Tension Electric Cables), Bellaire, Ohio

6668— Insulators (Hair)

Johns-Manville Inc. ("Keystone"), Madison av & 41st, New York
Keystone Hair Insulator Co., 1243 Spring Garden, Philadelphia, Pa.

6669— Insulators (Lava)

American Lava Corp. ("Alco"), Chattanooga, Tenn.
Kirchberger M. & Co. (Imp.), 14th av & 37th, Brooklyn, N. Y.
Steward D. M. Mfg. Co., E. End & N. Roseville Park, Chattanooga, Tenn.
Tennessee Burner Mfg. Co., Dept. H, 36 & Av G, Chattanooga, Tenn.

6670—Insulators (Mine Feeder Wire)

Sackett Mine Supply Co., 164 N 3d, Columbus, O.
Thomas R. & Sons Co., East Liverpool, O.

6671—Insulators (Moulded Mica)

Electric Railway Equipment Co., 2900H Cormany av, Cincinnati, O.
Johns-Pratt Co., The (Wireless, Trolley Wire, Guy Wire, Telephone & Telegraph), Hartford, Conn.
Macallen Co., 16 Macallen, So. Boston, Mass.
New England Mica Co., Waltham, Mass.

Insulators (Paper, for Cables)

See Sleeves, Paper

6672—Insulators (Porcelain or Clay)

Akron Smoking Pipe Co. (Clay & Porcelain Tubes), Mogadore, O.
Anderson Albert & J. M. Mfg. Co., (Porcelain Strain), 289 A., Boston, Mass.
Champion Porcelain Co., 8525 Butler, Detroit, Mich.
Cook Pottery Co. (Porcelain), Trenton, N. J.
Davidson & Stevenson Porcelain Co., East Liverpool, O.
Electric Porcelain & Mfg. Co. (Of All Kinds), Trenton, N. J.
Electrical Porcelain Works, 2416 6th, Berkeley, Cal.
Freeman E. H. Electric Co. (Porcelain), Trenton, N. J.
Frenchtown Porcelain Co. ("775"), Trenton, N. J.
Hartford Faience Co. (Porcelain), Hartford, Conn.
Imperial Porcelain Works (Porcelain, Transmission), Trenton, N. J.
Joslyn Mfg. & Supply Co., 133 W Washington, Chicago, Ill.
Lapp Insulator Co. ("Lapp"), Le Roy, N. Y.
Locke Insulator Mfg. Co., Victor, N. Y.
McLaughlin Glass Co., 1900 E 52nd, Los Angeles, Cal.
Mich. Porcelain Insulator Co., Hastings, Mich.
National Porcelain Co., Trenton, N. J.
Ohio Brass Co. ("O. B." Porcelain Only), Mansfield, O.
Ohio Insulator Co., Barbeton, Ohio
Pass & Seymour, Solvay, N. Y.
Pittsburgh High Voltage Insulator Co. (Porcelain High Screw Voltage), Derry, Pa.
Snyder Hunt Co., Belle Plaine, Iowa.
Star Porcelain Co., East Liverpool, O.
Thomas R. & Sons Co. (Porcelain), East Liverpool, O.
Trenton Porcelain Co., Trenton, N. J.
Union Electrical Porcelain Works, Trenton, N. J.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

6672a— Insulators (Radio)

Adams Morgan Co., Upper Montclair, N. J.
Am. Hard Rubber Co., 11 Mercer, New York
Am. Radio & Research Corp., 202 College av, Medford Hillside, Mass.
Banister & Pollard Co. ("B. & P." Dlrs.), 206 Market, Newark, N. J.
Barnes The Wallace Co., Bristol, Conn.
See adv index at end of book
Brach L. S. Mfg. Co. ("Brach"), 127 Sussex av, Newark, N. J.
Diamond State Fibre Co. ("Celoron"), Dept. 37, Bridgeport, Pa.
See adv index at end of book
Electric Machine Co., Pratt & Meridian, Indianapolis, Ind.
Electric Service Supply Co., 17th & Cambria, Phila., Pa.
Electrose Mfg. Co. ("Electrose"), 60 Washington, Brooklyn, N. Y.
Freed-Eisemann Radio Corp. ("F-E"), Sperry bldg, New York
General Insulate Co. (strain), 1008 Atlantic av, Brooklyn, N. Y.
Horne Mfg. Co., 243 Mercer, Jersey City, N. J.
International Insulating Corp., 25 W 45th, New York
Pacent Elec. Co., 22 Park pl, New York
Ship Owners' Radio Service (Dlrs.), 80 Washington, New York
WATERBURY BUTTON CORP., 831 S Main, Waterbury, Conn.
See adv index at end of book

6673— Insulators (Strain)

See also Trolley Line Materials

Champion Porcelain Co. (Rugged Type High Tension), 8525 Butler, Detroit, Mich.
Creaghead Engng. Co. ("Bourbon"), 340 Main, Cincinnati, O.
Electric Railway Equipment Co. ("Hercules" Wood), 2900H Cormany av, Cincinnati, O.
Electric Service Supplies Co. ("Keystone Giant"), 17th & Cambria, Phila., Pa.
Electrose Mfg. Co. ("Electrose," "Safety," "Disc," Thimble, Hood, Spool & Rod Type Insulators & Insulating Strains), 70 Washington, Brooklyn, N. Y.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
General Insulate Co., 1008 Atlantic av, Brooklyn, N. Y.
Jeffrey-Dewitt Insulator Co., Kenova, W. Va.
Johns-Manville, Inc., Madison av & 41st, New York.
Johns-Pratt Co., The ("Moulded Mica" Wood), Hartford, Conn.
Line Material Co., S. Milwaukee, Wis.
Locke Insulator Mfg. Co. ("Victor"), Victor, N. Y.
Macallen Co., 16 Macallen, So. Boston, Mass.
Metropolitan Engineering Co., 1250 Atlantic av, Brooklyn, N. Y.
Ohio Brass Co., Mansfield, O.
Pass & Seymour, Solvay, N. Y.
Phila. Electrical & Mfg. Co. ("Pemco," Wood), 1236 N 31st, Phila., Pa.
Piqua Handle & Mfg. Co., P. O. Box 307, Piqua, O.
Thomas R. & Sons Co., East Liverpool, O.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

6674— Insulators (Swinging)

Line Material Co., So. Milwaukee, Wis.
Metropolitan Engineering Co., 1250 Atlantic av, Brooklyn, N. Y.

6675—Insulators (Third Rail)

See also Trolley Line Materials

Ajax Electrical Co., 56 Baldwin av, Jersey City, N. J.
Akron Smoking Pipe Co., Mogadore, O.
Anderson Albert & J. M. Mfg. Co. ("Aetna"), 289 A, Boston, Mass.
Continental Fibre Co. ("Bakelite Delecto"), Newark, Del.
DELAWARE HARD FIBRE CO. (Hard Fibre), Wilmington, Del. Works: Marshallton, Del.
See adv index at end of book
Electric Service Supplies Co., 17th & Cambria, Phila., Pa.
Electrose Mfg. Co. ("Electrose"), 70 Washington, Brooklyn, N. Y.
Hemming Mfg. Co., Garfield, N. J.
Johns-Manville H. W. Co., Madison av & 41st, New York
National Vulcanized Fibre Co. (Fibre), Beech & Maryland av, Wilmington, Del. *See adv index at end of book*
Ohio Brass Co. (Semi-Porcelain), Mansfield, O.
Shaw Insulator Co., 146 Colt Irv, Newark, N. J.
Simplex Surface Contact Co., ft of Locust, Williamsport, Pa.
Standard Fibre Co. (Hard Fibre), Miller St., Somerville, Mass.
Thomas R. & Sons Co. (Porcelain), East Liverpool, O.
Wilmington Fibre Specialty Co., Wilmington, Del.

6676—Insulators (Tree & Wall)

Anderson Albert & J. M. Mfg. Co., 289 A, Boston, Mass.
Brodie Elec'l & Auto Co., Manchester, N. H.
Cutter Geo. Co., South Bend, Ind.

Cutter Scott C. ("Scott Cutter" Glass), Oswego, Ill.
Fletcher Mfg. Co., Dayton, O.
General Insulate Co., 1008 Atlantic av, Brooklyn, N. Y.
General Phonograph Corp., 25 W 45th, New York.
High Tension Electrical Specialty Co. (Tree), Newton, Mass.
International Insulating Corp, 25 W 45th, New York
Line Material Co. ("Ajax"), So Milwaukee, Wis.
Marlatt S., Richmond, Ind.
Ohio Brass Co., Mansfield, O.
Ridion Frank Co. ("Rogers," Tree), 251A Boston, Mass.
Thomas R. & Sons Co., East Liverpool, O.
U. S. Gypsum Co., 205 W Monroe, Chicago, Ill.
Wetmore-Savage Co., 76 Pearl, Boston, Mass.

6677—Insulators (Trolley Wire Section)

Elec. Railway Equipment Co., Cincinnati, Ohio
Ohio Brass Co., Mansfield, O.

6678— Insurance (Accident)

Aetna Life Insurance Co., Hartford, Conn.
American Fidelity Co., Montpelier, Vt.
Employers' Liability Assurance Corporation (Ltd.), of London, England, Samuel Appleton, Manager & Attorney for U. S., 33 Broad, Boston, Mass.
Fidelity & Casualty Co., 97 Cedar, New York
General Accident Insurance Co., 421½ Walnut, Phila., Pa.
Hartford Accident & Indemnity Co., Hartford, Conn.
London Guarantee & Accident Co., 134 La Salle, Chicago, Ill.
Maryland Casualty Co., Balto & Guilford, Baltimore, Md.
New Amsterdam Casualty Co., 59 John, New York
North American Accident Insurance Co., 209 S La Salle, Chicago, Ill.
Ocean Accident & Guarantee Corp., 59 John, New York
Preferred Accident Ins. Co., 80 Maiden la, New York
Standard Accident Ins. Co., 640 Temple, **Detroit, Mich.**
Travelers Insurance Co., 57 Prospect, Hartford, Conn.
U. S. Casualty Co., 80 Maiden la, New York

6679—Insurance (Employers' Liability)

Aetna Life Insurance Co., Hartford, Conn.
American Fidelity Co., Montpelier, Vt.
Employers' Liability Assurance Corporation (Ltd.), of London, England, Samuel Appleton, Manager & Attorney for U. S., 33 Broad, Boston, Mass.
Fidelity & Casualty Co., 97 Cedar, New York
General Accident Insurance Co., 421½ Walnut, Phila., Pa.
Hartford Accident & Indemnity Co., Hartford, Conn.
London Guarantee & Accident Co., 360 N Michigan blvd, Chicago, Ill.
Maryland Casualty Co., Balto & Guilford, Baltimore, Md.
New Amsterdam Casualty Co., 59 John, New York
Ocean Accident & Guarantee Corp., 59 John, New York
Travelers Insurance Co., 57 Prospect, Hartford, Conn.
U. S. Casualty Co., 80 Maiden la, New York
U. S. Fidelity & Guaranty Co., Calvert & Redwood, Baltimore, Md.

Insurance (Health)

See Insurance, Accident

6680—Insurance (Indemnity Bond)

American Bonding Co. of Baltimore, Fidelity bldg, Baltimore, Md.
American Fidelity Co., Montpelier, Vt.
American Surety Co., 100 B'way, New York
Employers' Liability Assurance Corporation (Ltd.), of London, England, Samuel Appleton, Manager & Attorney for U. S., 33 Broad, Boston, Mass.
Fidelity & Casualty Co., 97 Cedar, New York
Fidelity & Deposit Co., Fidelity bldg, Baltimore, Md.
Guarantee Co. of North America, 3 S William, New York
Hartford Accident & Indemnity Co., Hartford, Conn.
National Surety Co., 115 B'way, New York, & The Rookery, Chicago, Ill.
Ocean Accident & Guarantee Corp., 59 John, New York
Pacific Surety Company, 341 Montgomery, San Francisco, Cal.
Travelers Insurance Co., 57 Prospect, Hartford, Conn.
U. S. Fidelity & Guaranty Co., Calvert & Redwood, Baltimore, Md.

6681—Insurance & Inspection (Elevator)

See also Insurance, Indemnity Bond

Hartford Fire Insurance Co., 690 Asylum, Hartford, Conn.
Travelers Insurance Co., 57 Prospect, Hartford, Conn.

6682—Insurance & Inspection (Steam Boiler)

Employees' Indemnity Co. of Philadelphia, 1414 S Penn sq, Philadelphia, Pa.
Fidelity & Casualty Co., 97 Cedar, New York
Hartford Accident & Indemnity Co., Hartford, Conn.
Hartford Steam Boiler Inspection & Insurance Co., 56 Prospect, Hartford, Conn.
Maryland Casualty Co., Balto. & Guilford, Baltimore, Md.
Ocean Accident & Guarantee Corp., 59 John, New York
Pacific Surety Company, 341 Montgomery, San Francisco, Cal.
Travelers Insurance Co., 57 Prospect, Hartford, Conn.
U. S. Casualty Co., 80 Maiden la, New York

6683— Intensifiers

Bethlehem Steel Co., South Bethlehem, Pa.
Chambersburg Engineering Co., Chambersburg, Pa.
Hennebohle Frank ("Hydraulic"), 31st & S Chicago av, Chicago, Ill.
Hydraulic Press Mfg. Co. ("H P M"), 24 Lincoln av, Mount Gilead, Ohio
See adv index at end of book
Mackintosh - Hemphill Co. (Hydraulic), 12th & Etna, Pittsburgh, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
Morgan Engineering Co. (Hydraulic), Alliance, O.
SOUTHWARK FOUNDRY & MACHINE CO. (Hydraulic, Steam, etc), 1128 S 4th, Phila., Pa.
See adv index at end of book
United Engineering & Foundry Co. (Air Hydraulic, Steam Compound or Double), Farmers Bank bldg., Pittsburgh, Pa.
Wood R. D. & Co. (Hydraulic, Single & Multiple), 400 Chestnut, Phila., Pa.

6684— Intercoolers (Air)

GRISCOM-RUSSELL CO. ("Multwhirl"), 92 West, New York.
See adv index at end of book
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
Worthington Pump & Machy. Corp., 115 B'way, New York

Interior Building Trim (Steel, Bronze, Etc.)

See Interior Trim, Hollow Metal

6685—Interior Finish (Wholesale Mfrs.)

See also Interior Hardwood Work Manufacturers & Erectors

Acme Contractors, 343 Jeanette, Los Angeles, Cal.
American Sash & Door Co., 16th & Bellefontaine, Kansas City, Mo.
Armstrong Landon Co., Kokomo, Ind.
Baltimore Sash & Door Co., cor. Howard & West, Baltimore, Md.
Bardwell-Robinson Co., 24th av, N & 2nd, Minneapolis, Minn.
Bloom Alfred Co., Omaha, Neb.
Booth & Boyd Lbr. Co., Saginaw, Mich.
Brockway-Smith Corp., 98 Canal, Boston, Mass.
Brown Co., Portland, Me.
Builders Supply Co., 32nd & Hill av, Everett, Wash.
California Mfg. Co., 2243 S Troy, Chicago, Ill.
Calmar Mfg. Co., Calmar, Ia.
Carter Mfg. Co., Keokuk, Ia.
Central Sash & Door Co., Topeka, Kan.
Central Wood Turning Co. (To Order Only), 610 Main, N E, Minneapolis, Minn.
Champlain Mfg. Co., Burlington, Vt.
Commercial Sash & Door Co., 494 S Paulina, Chicago, Ill.
Cream City Sash & Door Co., 601 Park, Milwaukee, Wis.
Cullen & Vaughn Co., 450 Davton, Hamilton, O.
Curtis Bros. & Co., Clinton, Ia.
Curtis & Yale Co., Wausau, Wis.
Djouhy, Vincent Sash & Door Co., 2138 Laflin, Chicago, Ill.
Dudley Sash, Door & Lbr. Co., Columbus, Ga.
Elgar James, Inc., Hornell, N. Y.
Enochs Lumber & Mfg. Co., Jackson, Miss.
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Fitzgerald, Speer Co., Pen Argyle, Pa.
Gauger Jno. A. & Co., 1434 W 22d, Chicago, Ill.
Gordon, Vantine Co., Davenport, Ia.
Gould Mfg. Co., Oshkosh, Wis.
Grand Rapids Lumber Co., Grand Rapids, Mich.
Gravois Planing Mill Co., 3026 Juniata, St. Louis, Mo.
Hilgen Mfg. Co., Cedarburg, Wis.
Hurst Sash & Door Co. ("Hurco"), Grand Island, Neb.
Huttig Mfg. Co., Muscatine, Ia.
Huttig Mill Wk. Co., Kansas City, Mo.
Hyde-Murphy Co., Ridgway, Pa.
Indiana Lumber & Mfg. Co., South Bend, Ind.
Iroquois Door Co., 629 Exchange, Buffalo, N. Y.
Johnson, H. S., 18th av N. E. & Marshall, Minneapolis, Minn.
Kaaz Mfg. Co., Atchison, Kan.
Kertscher & Co., Elmira, N. Y.
Kiamensi Clay Co., Equitable bldg, Wilmington, Del.
Knoxville Lumber & Mfg. Co. (For Trade Only), 612 E Depot, Knoxville, Tenn.
Kuebler J. M. Co., Wausau, Wis.
Kurtz Bros., Bethlehem, Pa.
Lecoutour Bros. Stair Mfg. Co., 4523 Shaw av, St. Louis, Mo.
Lestershire Lbr. & Box Co., Lestershire, N. Y.
Loetscher & Burch Mfg. Co., Des Moines, Ia.
Luick Bros. & Co., Ann Arbor, Mich.
McClelland T. W. Co., Davenport Ia.
McKay Angus Co., 724 S. Desplaines, Chicago, Ill.
McMillen R. Co., Oshkosh, Wis.
McPhee & McGinnity Co., Denver, Colo.
Menasha Mfg. Co., Menasha, Wis.
Morgan Co., 520 Oregon, Oshkosh, Wis.
Nauman Co., Waterloo, Ia.
Nelson Lumber & Mfg. Co., 372 Dublin av, Columbus, O.
North Vernon Lumber Co., North Vernon, Ind.
Northwestern Lumber Co., Stanley, Wis
Osgood & Blodgett Mfg. Co., E 7th & Duluth St. Paul, Minn.
Pacific Door & Sash Co., 3216 S Main, Los Angeles, Cal.
Paine Lumber Co. (Ltd.), Oshkosh, Wis.
Peck J S. & Son, Cardington, O.
Pyrone Process Co., 20 E Gay, Columbus, Ohio
Reaugh Construction Co., 2835 E 51st Cleveland, O.
Redwood Mfrs. Co., Oakland, Cal.
Rhinesmith & Simonson, Fort Wayne, Ind.
Roberts Sash & Door Co., 920 W 20th, Chicago, Ill.
Rock Island Sash & Door Works, Rock Island, Ill.
Rockwell Mfg. Co., 572 Park, Milwaukee, Wis
Roehr Co., Bucyrus, O.
St Croix Paper Co (& White Pine Siding), 244 Washington, Boston, Mass Mills: Woodland, Me.
St. Louis Sash & Door Works, B'way & Destrehan, St. Louis, Mo.
Scott-Graff Lumber Co., Duluth, Minn
Seattle Cedar Lumber Mfg. Co., Seattle, Wash.
Springfield Planing Mill, Lumber & Construction Co., Springfield, Mo
Standard Sash & Door Co., 5089 Racine av, Chicago, Ill.
Stearns A. T. Lumber Co., 100 Taylor, Boston, Mass.
See adv index at end of book
Stillwater Mfg. Co., Stillwater, Minn.
Stone R. B. & Co., Spencer, Mass
Thomas Jos. & Son, Leadenhall & Henrietta, Baltimore, Md.
Uhrich Mill Work Co. (Specializing Cabinet Trim), Independence, Kan
Villaume Box & Lumber Co., Chicago & Walker, St. Paul, Minn.
Wabash Cabinet Co., Wabash, Ind.
Waccamaw Lumber Co., Bolton, N C.
Warlick Lumber Co., Gilkey, N. C.
Washburn, Williams & Co., Scranton, Pa.
West Virginia Lbr. Co., First Nat'l Bank bldg, Pittsburgh, Pa.
West Woodworking Co., 308 N Ada, Chicago, Ill.
Whatcom Falls Mill Co. (Red Cedar), Bellingham, Wash.
Wheeler-Osgood Co. (Yellow Fir), Tacoma, Wash.
Whitmer-Jackson Sash & Door Co., 1996 W 3rd, Cleveland, O.
Williams & Hunting Co., Cedar Rapids Ia.

6686 — Interior Hardwood Work (Mfrs. & Erectors)

Acme Contractors, 343 Jeanette, Los Angeles, Cal.
Ammann Mfg. & Const. Co., 155 Av D, New York
Ayers-Witmer Lumber Co., Niagara Falls, N. Y.
Barber & Ross, 11th & S, N. W., Washington, D. C.
Batavia & New York Wood-Working Co., Batavia, N. Y.
Bateman Wm., 1915 Bryant, San Francisco, Cal.
Baumgarten Wm. & Co., 715 5th av, New York

(Continued on following page)

Interior Hardwood Work (Mfrs. & Erectors)—Continued

Bering Mfg. Co., Houston, Tex.
Bessler Movable Stairway Co. ("Bessler"), 1903 E Market, Akron, Ohio
Bishop J. W. Co., 109 Foster, Worcester, Mass.
Booth & Boyd Lbr. Co., Saginaw, Mich.
Bossert Louis & Son, 1335 Grand, Brooklyn, N. Y.
Boulia-Gorrell Co., Lakeport, N. H.
Braas & Kuhn Co., 1917 Bryant, San Francisco, Cal.
Bush Bros., Royersford, Pa.
Calmar Mfg. Co., Calmar, Ia.
Camm & Hedges Co., Petaluma, Cal.
Carr & Baal Co., Des Moines, Ia.
Carr-Ryder & Adams Co., Dubuque, Ia.
Carrom Co., Ludington, Mich.
Central Wood Turning Co., 610 Main, N E, Minneapolis, Minn.
Chicago Stair Co., 2134 S Troy, Chicago, Ill.
Commercial Fixture Co., 914 S Alameda, Los Angeles, Cal.
Corlett Planing Mill Co., Napa, Cal.
Cullen & Vaugh Co., 450 Dayton, Hamilton, O.
Curtis Bros. & Co., Clinton, Ia.
Curtis & Yale Co., Wausau, Wis.
Davenport Brown (Cabinet Makers), Somerville, Mass.
De Haas N. G., Marquette, Mich.
Donn Mfg. Co., 920 S 1st, San Jose, Cal.
Elgar James, Inc., 250 W 57th, Hornell, N. Y.
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Felin Chas. F. & Co. (Stairways, Moldings, Etc.), Old York rd & Butler, Phila., Pa.
Fish A. E. & Co., Keene, N. H.
Fort Wayne Builders Supply Co., Fort Wayne, Ind.
Frey Planing Mill Co., Louisville, Ky.
Friedland B. Co., 281 Butler, Brooklyn, N. Y.
Hamburger E. & Co., 139 Emerson pl., Brooklyn, N. Y.
Hayden Co., 450 Park, New York
Heise & Bruns Mill & Lumber Co., 600 S Caroline, Baltimore, Md.
Hess D. S. & Co., 3 E 40th, New York
Hill Edwin M., 2601 Penn av, Pittsburgh, Pa.
Hofstatter Theo. & Co., 136 W 52d av, New York
Hopeman Bros. Lumber & Mfg. Co., Rochester, N. Y.
Houston Planing Mill, Houston, Tex.
Houston Show Case & Mfg. Co., Houston, Tex.
Huttig Mfg. Co. (Wholesale Mfrs.), Muscatine, Ia.
Huttig Sash & Door Co., 1206 S Vandeventer av, St. Louis, Mo.
Hyde-Murphy Co., Ridgway, Pa.
Jamestown Mantel Co., Falconer, N. Y.
Jobst B. J., Paxton blk., Omaha, Neb.
Johnson H. S., 18th av N. E. & Marshall, Minneapolis, Minn.
Kantor L. & Co., 449 W 41st, New York
Kertscher & Co., Elmira, N. Y.
Kiamensi Clay Co., Equitable bldg, Wilmington, Del.
Kimbel A. & Son, 354 Madison, New York
Kleeman Wm. & Co., 101 Park av, New York
Kratt George, Lorain, O.
Kurtz Bros., Bethlehem, Pa.
Lafayette Lumber Co., Lafayette, Ind.
Lindbeck Lumber & Mfg. Co., Jamestown, N. Y.
Loetscher & Burch Mfg. Co., Des Moines, Ia.
Maclean J. S., Spring & Water, Columbus, O.
Manhattan Wood Working Co., 281 Rider av, New York
Mansfield Lumber Co., Mansfield, O.
Matthews Bros. Mfg. Co., 61 4th, Milwaukee, Wis.
Mertz's Geo. Sons, Port Chester, N. Y.
Mitchell Robert Furniture Co., 616 Race, Cincinnati, O.
Nelson & Co., Jamestown, N. Y.
New York Wood Working Corp., 502 E 19th, New York
Osgood & Blodgett Mfg. Co., Duluth av & E 7th, St. Paul, Minn.
Ostlund & Johnson, 1901 Bryant, San Francisco, Cal.
Pacific Mfg. Co., Santa Clara, Cal.
Palen's H. W. Sons, Kingston, N. Y.
Pinches John & Sons, New Britain, Conn.
Rambusch Decorating Co., 2 W 45th, New York
Reaugh Construction Co., 2835 E 51st, Cleveland, O.
Rieser Ely J. & Co., 1st av & 23th, New York
Robinson John & Co., 49 Queen Lane Gtn, Phila., Pa.
Roehr Co., Bucyrus, O.
St. John Wood Working Co. (Stairo), Stamford, Conn.
Schaettler F., 533 W 34th, New York
Schnute-Holman Co., Evansville, Ind.
Scott-Graff Lumber Co., Duluth, Minn.
Simonson Bros. Mfg. Co., 1733 S 7th, Minneapolis, Minn.
Sloane & Moller, 316 E 65th, New York
Smith Sash & Door Co., 175H Exchange, Rochester, N. Y.
Southwick-Pom-McFate Co., St. Jean & Shoemaker, Detroit, Mich.
Springfield Planing Mill, Lumber & Construction Co., Springfield, Mo.
Staunchwood Shops, 97 Lincoln, Flushing, N. Y.
STEARNS A. T. LUMBER CO. (Wholesale Mfrs.), 100 Taylor, Boston, Mass.
See adv index at end of book
Stillwater Mfg. Co., Stillwater, Minn.
Strangman Mfg. Co., Newtonville, Mass.
Strobel Philip & Sons, 53 Elizabeth, New York
Syracuse Ornamental Co. (& Carvings for Furniture & Phonographs), Syracuse, N. Y.
Thomas Jos. & Son (Mfrs), Leadenhall & Henrietta, Baltimore, Md.
Tiffany Studios, 261 Madison av, New York
Trebing Mfg. Co., 1000 Center, N W, Cleveland, O.
Trunbull J. W. Lumber Co. (Wholesale), 1504 Locust, Phila., Pa.
Uhrich Mill Work Co. (Cabinet Trim), Independence, Kan.
Uphus A. J. & Co. ("Artkraft"), 2315 Western av, Seattle, Wash.
Weybrecht's J. T. Sons, Alliance, O.
Williamsport Planing Mill Co., Williamsport, Pa.
Wilson Mills, Jamestown, N. Y.

6687—Interior Trim (Hollow Metal)

Central Metal Products Corp., Canton, Ohio
DAHLSTROM METALLIC DOOR CO., 413 Buffalo, Jamestown, N. Y.
See adv index at end of book
Dowman-Dozier Mfg. Co., Atlanta, Ga.
Hermann Safe Co., 216-24 Fremont, San Francisco, Cal.
Knapp Bros. Mfg. Co. ("Knapp System" Sanitary), 2419H W. 14th, Chicago, Ill.

6688—Interior Trim (Steel Coach & Car)

See also Bank & Office Fixtures Metallic
Central Metal Products Corp., Canton, Ohio
Dahlstrom Metallic Door Co., 413 Buffalo, Jamestown, N. Y.
See adv index at end of book

Interlocks (Elevator)

See Elevator Safety Locks

6688a— Intermediates

Butterworth Judson Corp., 30 Church, New York
Cooper & Cooper, Inc., 23H Cliff, New York
Dicks David Co., Inc., 44 Watts, New York
Dye Products & Chemical Co., Inc., 200 Fifth av, New York
Fergusson Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Industrial Chemical Co., East Providence, R. I.
M. & B. Chemical Co., Dept H, Johnson City, Tenn.
Marsden-Sewell Corp. (Dirs.), 149 Church, New York
Metz H. A. & Co., Inc., 122 Hudson, New York
Monroe Color & Chem. Co. (Coal Tar), Quincy, Ill.
National Aniline & Chemical Co., Inc., 40 Rector, New York
Verona Chem. Co., Verona av, Newark, N. J.
Western Aniline Products Co., Hammond, Ind.

6688a1—Intermediates (Dyestuff)

Du Pont E. I. de Nemours & Co. Inc., Dyestuffs Sales Dept., Wilmington, Del.
See adv index at end of book
Marsden-Sewell Corp. (Dirs.), 149 Church, New York

6688a2—*Inundation Method

BLAW-KNOX CO. (A patented method of saturating sand to insure constant (uniform) concrete), 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book

BLAW-KNOX CO.
681 Farmers Bank Building
PITTSBURGH, PA.
Manufacturers of
Inundation Method Means Constant Concrete

6688b— *Inventions

FISHER MFG. CO. ADAM, No. 503, St. Louis, Mo.
See adv index at end of book

INVENTIONS Commercialized
ON A CASH OR ROYALTY BASIS
For the INVENTOR and MANUFACTURER
In Business 25 Years · Complete Facilities · References
ADAM FISHER MFG. CO. No. 503 ST. LOUIS, MO.

6688c— Iodides

Mallinckrodt Chem. Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

6688d— Iodine

Cooper Chas. & Co., 194 Worth, New York
Mallinckrodt Chem. Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co. (Resublimed), 45 Park pl., New York.
Pfizer Chas. & Co., 81 Maiden Lane, New York.
Powers - Weightman - Rosengarten Co. (Resublimed), 916H Parrish, Phila., Pa.
Squibb E. R. & Sons, 23 Vine, Brooklyn, N. Y.
Takamine Commercial Corp., 120 B'way, New York
U. S. Industrial Chemical Co., 110 E 42d, New York

6688e— Iodoform

Mallinckrodt Chem Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park Pl., New York
New York Quinine & Chem. Wks., 100 William, New York
Pfizer Chas & Co., 81 Maiden la., New York
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.

6689— Iridium

Guiterman, Rosenfeld & Co. (Imp.), 35 So William, New York
Philipp Bros., Inc., 233 Broadway, New York
Zimmerman Process Syndicate, 221 E 28th, N, Portland, Ore.

Iron (Angle)

See Steel Structural Mills

6690—Iron (Architectural & Ornamental)

Star (*) in front of firm names under this classification designates founders who make Builders' Castings, etc.

The following are sub-classifications and duplications of this trade:
Bank & Office Railings
Elevator Cabs & Cars
Elevator Cars.
Elevator Enclosures.
Fire Escapes.
Gates (Ornamental Iron).
Grilles (Brass & Bronze).
Grilles (Wrought Iron).
Iron Railings & Fences.
Iron Stair Builders.
Jail & Cell Work (Steel).

ALABAMA.

ANNISTON—Ornamental Foundry Co.
Grace, C. M. & Co.
MONTGOMERY—*Hartley Boiler Works
Janney & Co.

CALIFORNIA.

FRESNO—Burnett J. H. Iron Wks.
Kyle & Co., Inc., 333 G
LONG BEACH—Edmond A. H., 1125 Broadway
Long Beach Iron & Wire Wks., 1101 W 1st
LOS ANGELES—American Wire & Iron Wks., 323 N San Pedro
Architectural Iron Works of Cal., 1209 S San Pedro
Atlas Ornamental Iron Works, 2510 E 52nd
*Baker Iron Works
Bayer A. J. Co., Slauson & Santa Fe av
Brombacher Iron Wrks, 55555 Magnolia
City Ornamental Iron Works, 755 E 15th
City Wire & Iron Wks., 335 N San Pedro
Cochran Co., 1638 Long Beach av
Friedman-Lowith Iron Works, 2500 E 24th
Friedman Philip & Son, Pacific blvd at 50th
Habig Geo., 2819 Stanford av
Hollywood Forge Co., 1225 N Highland av
Jackson Iron Works, Boyle & Slauson av
Keystone Iron Works, 37th & Sante Fe av

F. P. SMITH WIRE & IRON WORKS

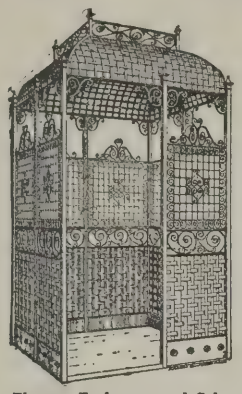
ESTABLISHED 1884

General Offices, Shops, Foundry and Warehouse

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CHICAGO, ILL.

Branch Office: 175 N. Dearborn St.. Chicago, Ill.



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Ornamental Iron and Bronze Work

DESIGNERS AND MANUFACTURERS OF

Art Metal Work, Iron Fences, Balcony and Floor Railings, Iron Stairs, Window Guards, Counter Railings, Fire Escapes, Iron Shutters and Doors, Stable Fittings, Roof Crestings, Wire Cloth and Netting, Brass and Electro-plated Work, Metal Lockers, Joist Hangers, etc.

Catalogue on Application

Los Angeles Wire & Iron Works, 914 E 9th
*Pacific Coast Ornamental Iron Works, 1316 S Central av
Wetzel K. O. & Co., 694 S Rio
Winter & Bain, 2429 E 25th

OAKLAND—East Bay Iron Wks., 1733 17th
Frauneder C., 335 8th
Liberty Ornamental Iron Works, 2455 Valdez
Pacific Iron Works, 1155 67th
Standard Fence Co., 60th & Lowell

PASADENA—Waterhouse Mfg. Co., 1050 S Raymond av

SAN DIEGO—California Iron Works, Inc. (structural)
City Ornamental Iron Wire & Brass Wks., 2673 N
National Iron Works, Ft. 7th
Standard Iron Wks.

SAN FRANCISCO—Architectural Iron & Bronze Works, 425 Potrero av
Brode Iron Works, 37 Hawthorne
California Artistic Metal & Wire Co., 349 7th
Eureka Iron & Wire Works, 374 11th
Farr Mfg. Co., 617 Bryant
Federal Ornamental Iron & Bronze Co., 16th & San Bruno av
Folsom Street Iron Wks., 18th & Treat av
Hillard C. J. Co., 19th & Minnesota
Jackson P. H. & Co., 237 1st
Keystone Ornamental Iron & Bronze Wks. 830 Howard
Kloeres & Koch, 477 Clementina
Michel & Pfeffer, 1415-1431 Harrison
Monarch Iron Works, 262 7th
Rincon Iron Works, 27 Hawthorne
***Rudgar-Merle Co., Bay & Stockton**
Sartorius Co., 15th & Utah
Sims & Gray Iron Works, 550 Bryant
*Steiger & Kerr Stove & Foundry Co., 2201 Folsom
Vulcan Iron Works, Francisco & Kearny
WEST COAST WIRE & IRON WORKS, 861 Howard
Western Iron Works, 141 Beale

SAN JOSE—Hellwig R.

STOCKTON—Builders Iron Works, Inc., 1514 E Scott
Seiler Iron Works Inc., 945 S Pilgrim

COLORADO.

COLORADO SPRINGS — **Hassell Iron Works Co.**

CONNECTICUT.

BRIDGEPORT—Atlas Iron Works, Inc., 255H, Island Brook av
Bridgeport Boiler Works Co.
Kruchkow Bros. Iron Works, rear 157H Stratford av
LEAKE THE A. G. ERECTING CO. INC., Ash & Holland av
McCathron Boiler Works, Co., 72 Knowlton
*Pequonnock Foundry (Castings Only)

BRISTOL—*Sessions Foundry Co.

HARTFORD—*Capitol Foundry Co. (Castings), The Fainnch
Laragy P.
Nat'l Iron Wks., Inc., 710 Windsor

MERIDEN—Bradley & Hubbard Mfg. Co.

NEW BRITAIN—*Vulcan Iron Works (Castings)

NEW HAVEN—*Adlerhurst Iron Co., 52 Richards
*McLagon Foundry Co.
New England Iron Works, Inc.
North O. B. & Co.
Smith Edward F.
Standard Iron Works Co., 1-3 Lawrence
Warner G. F. Mfg. Co., James & East
Wilson Robert & Son, 54 Garden

NORWALK—*Arnold Co. (Castings Only)

NORWICH—*Vaughn Foundry Co. (Inc.)

STAMFORD—*Stamford Iron Works

WATERBURY—*Manufacturers' Foundry Co.
*Waterbury Castings Co.
*Waterbury Foundry Co.

WEST HAVEN—Adlerhurst Iron Co.

DELAWARE.

WILMINGTON—Davis Leonard D.

DISTRICT OF COLUMBIA.

WASHINGTON—Gichner Fred S. 1214 D, N. W.
Jorss A. F., 315 13th, N W
Snyder Frank C., 513 K, N W
Speiden Chas. E., 620 C, S E
*Union Iron Works Co., 212 12th
White F. J., 462 Maine av, S W

FLORIDA.

ORLANDO—*South Florida F'dry & Mach. Works

ST. AUGUSTINE—Hamblen C. F.

GEORGIA.

ATLANTA—Southern Wire & Iron Works
*Withers Foundry & Machine Works

AUGUSTA—*Lombard Iron W'ks & Supply Co.

DALTON—*Manly Jail Works

GAINESVILLE—*Gainesville Iron Works

SAVANNAH—Rourke John & Sons

IDAHO.

BOISE—Baxter Jas. Foundry & Machine Works

ILLINOIS.

BLOOMINGTON—*American Foundry & Furnace Co.

CHICAGO—American Iron & Wire Works, 1622 Carroll av
Anderson A. F. Iron Wks., 5844 Loomis blvd. Dept. H.
Angert Iron & Wire Works, 6028 Grove av
Ashland Iron Works, 1604 W Superior
Atlantic Wire & Iron Works, 1638 Fulton
Baldwin Brass Works, 411 S Clinton
*Bolter's A. Sons, 2301 Ward
Braun J. G., 609 S Paulina, Chicago, Ill.
*Butler Street Foundry & Iron Co., 3422 Normal av
*Central Arch'l Iron Works, 3105 W 27th
Central Iron Works, 939 W Lake
Cerny Pickas & Co., 3321 S Crawford av
Chicago Wire, Iron & Brass Works, 2411 Belmont av.
Coleman Adelbert E., 336 W 37th
Columbia Arch'l Iron Works, 1619 Clybourne av
Columbia Wire & Iron Works (Light Iron & Wire Work), 4527 W Lake
*Dauchy Iron Works, 223 W Illinois
Duffin Iron Co., 4837 S Kedzie
Eggers Jno. Iron Works, 364 N Harding
Enos Fire Escape Co., 522 N Sangamon
Friedly Voshardt Co., 733H So Halsted
Gage Structural Steel Co., 3141 S Hoyne av
Halsted Joseph Co., 1233 W Randolph
Hanke Iron & Wire Works, 800 N. Albany av
*Hansell-Elcock Co., Archer & Normal avs
Harris S. H. Co., 2424 W 22d
Heath-Johnson Co., 300 W Ontario
Heath J. S. Co., Franklin & Ontario
*Holmes, Pyott & Co., 159 N Jefferson
Horn Wm. Structural Iron Works, 336 N Leavitt
Johnson Chas. & Son, 320 W Grand
Manton & Smith Co., 3333 W Grand av
New City Iron Works, 4857 S Racine av
Newman Mfg. Co., 63 W Washington
O'Leary Arthur J. & Son Co., 65th & S 57th av
*Pilsen Foundry & Iron Works, 1530 W 22d
*Reder Foundry Co., 3536 S Oakley av
*Roos Henry Foundry Co., 1749 Ballou
Scaar Frank & Co., 1042 W 11th
Schad Fred & Son Iron Works, 1117 S Crawford av
Simpson Ralph H. Co., 130 N Austin
***SMITH F. P. WIRE & IRON WORKS** (Wrought, Cast & Ornamental), 2340-48 Clybourn av
See adv index at end of book
Sprague Iron Wks., 4400 Addison
Sprague E. S., 4400 Addison av
Sullivan-Korber Co., 2437 W 21st pl
*Union Foundry Works, 38 S Dearborn
United Ornamental Iron Works, 189 W Madison
Variety Mfg. Co., 2958 Carroll av
*Vierling Steel Works, 23rd & Stewart av
Weishaupt Iron Works, 1232 S Western av
Western Arch. Iron Co., 211 W Schiller

ELGIN—Woodruff & Edwards Co.

MACOMB—*Fisher A.

OTTAWA—*Knowles W. H. Foundry & Machine Co.

PEORIA—*Lucas A. & Sons, 1329 S
*Peoria Foundry Co.

PERU—Brunner Machinery Co. (Columns & Castings)

QUINCY—Van Doorn Co. (Ornamental Only)

ROCKFORD—Union Foundry & Machine Co.

INDIANA.

COLUMBUS — *Caldwell & Drake Iron Works

EVANSVILLE—*International Steel & Iron Co., 1243 Edgar
Lindenschmidt Co.
*Mesker Geo. L. & Co.

FORT WAYNE—*Fort Wayne Foundry & Machine Co.

GOSHEN—*Kelly Foundry & Machine Co.

INDIANAPOLIS—Central Wire & Iron Works, 119 W Norwood
Geiger & Peters, 1709 Madison av
Hetherington & Berner

LAFAYETTE—*Wallace Mach. & Fdry. Co.

RICHMOND—Marlatt Samuel

TERRE HAUTE—Up-to-Date Mfg. Co.

IOWA.

BOONE—Quinn Wire & Iron Works

BURLINGTON—*Murray Iron Works Co.

CEDAR RAPIDS—*Cedar Rapids Foundry & Machine Co.
Iowa Steel & Iron Works
Stary Frank & Sons

(Continued on following page)

Iron (Architectural & Ornamental)—Continued

IOWA—Continued
COUNCIL BLUFFS—*Sprague Fdry & Mfg. Co.
DAVENPORT—*Davenport Machine & Foundry Co.
DES MOINES—*Eagle Iron Works
DUBUQUE—Voggenthaler E. J. Co.
LE MARS—Pech Gustave Fdry. & Mfg. Co.
MUSCATINE—*Niver Iron Works Co.
OSKALOOSA—Seevers Mfg. Co.
WATERLOO—Goodman W. A.

KANSAS.

EMPORIA—Jones Jos. C. Sons
GALENA—Galena Foundry & Machine Co. (Cast Columns, Sills, Lintels, etc.)
LEAVENWORTH—Missouri Valley Bridge & Iron Co.
TOPEKA—Capital Iron Works Co.
WICHITA—Christopher Geo. C. & Son
*Western Iron & Foundry Co.

KENTUCKY.

COVINGTON — Covington Arch'l Iron Works
Michael's Art Bronze Co.
LOUISVILLE—Dow Wire & Iron Works
*Grainger & Co.
*Snead Architectural Iron Works
NEWPORT—Buecker Henry F.
OWENSBORO—*Southern Foundry Co.
PADUCAH—*Jackson Foundry & Machine Co.
Shelton Bros.

LOUISIANA.

NEW ORLEANS—Shakspeare Iron Works, 913 Girod
SHREVEPORT—Henderson W. K. Iron Works & Supply Co.
White Benjamin S Machine Shop & Foundry

MAINE.

BANGOR—*Union Iron Works
HALLOWELL—Fuller's George Sons
PORTLAND—*Megquier & Jones Co., 31 Pearl

MARYLAND.

BALTIMORE—Armstrong & Parker, 361 Guilford av
Balderston H. & Son, 505 W Franklin
*Bartlett-Hayward Co., Scott & McHenry
*Carr Stuart R. & Co., Boston & Montford av
*Chesapeake Iron Works (Cast, Wrought & Ornamental), Westport
*Dietrich Bros, cor Pleasant & Davis
Jones L. E., 321 N Calvert
Krug G. & Son, 415 W Saratoga
Meiser H. & Son, 204 Clay
Patapsco Iron Works, Ostend & Wicomico

MASSACHUSETTS.

BOSTON—Babcock-Davis Corp., 474 Dorchester av
Boston Bridge Works (Architectural), 47 Winter
Builders Iron & Steel Co., 25 Garney
Dinn P. J. & Co., 278 Dover
Eastman H. T. & Co., East Cambridge
Gallagher D. F. & Co., 37 Commercial whf
Krasser F. & Co., 31 George, Rox.
McLauthlin Geo. T. Co., 130 Fulton
Nelson Bros., 62½ Thayer
New England Bolt & Steel Co.
Parris C. S., 7 Province Ct.
Puritan Iron Works (Ornamental Only), 110 Portland
Simpson Eugene A., 88 Broad
*Smith & Lovett Co., 135 Tyler
Swett-Sibley Co., 46 Cornhill
Whyte Oliver & Co., 73 Cornhill
Young A. F. R., 51 Purchase
CHELSEA—Smith A. L. Iron Works
CLINTON—Clinton Foundry Co.
CONCORD JUNCTION—Jones M. D. Co.
EVERETT—New England Structural Co.
FAIRHAVEN—Fairhaven Iron Foundry Co. (Cast)
FITCHBURG—Goodnow L. H. Foundry Co.
HOLYOKE—Haarmann G. & Co., Inc.
LAWRENCE—Smith Samuel Machine Co.
LOWELL—Knapp Arthur P.
NORTH ADAMS—*Hunter Jas. Machine Co.
QUINCY—Norfolk Iron Co. (Ornamental Only)
SALEM—Patten Paul B. Co.
SPRINGFIELD—Bigelow, Cheney Wire Works, 417 Liberty
Elwell H. F. Iron Works, 284 Birnie av
*Springfield Foundry Co., Oak
Springfield Iron Works
Swaine John Iron Works Co., 80 Daytona
WORCESTER—Aykroyd Iron Wks., Inc., 44 Rockdale
Bishop J. W. Co., 109 Foster
Eastern Bridge & Structural Co., 88 Crescent

MICHIGAN.

DETROIT—Acme Fancy Wire Works, Canfield & Moran
Amos Chas. & Co., Inc., 3000 Hart av
Barnum E. T. Wire & Iron Wks., 501-23 Cass av
Chapper F. A. Iron Wks. (Ornamental Only), 652 E. Fort
Daigle Iron Works, 1967 W. Lafayette
*De Croupet Iron Works, 1369 Monroe
Detroit Architectual Iron Works Co., Book Bldg.
Inglis Wm. Wire & Iron Works, 960 Harper
Lewis Henry B., Ferry av & G. T. Ry
Moynahan & Duchene, 2658 Porter
Phoenix Wire Wks., Kirby, Defuindre
Rohns Albert & Co., 1250 Calvert
Whitehead & Kales Iron Works, Beecher & M. C. R. R.
GRAND RAPIDS—Braudy M. & Sons
*Grand Rapids Foundry Co.
Grand Rapids Ornamental Iron & Wire Works
Leitelt Adolph Iron Works
KALAMAZOO—*Kalamazoo Foundry & Machine Co., 536 E. Main
PETOSKY—Burnett Fdry. & Mach. Works, Ltd.
SAGINAW—Bartlett A. F. & Co.
Koehler Bros.
TRAVERSE CITY—Round Harry W.

MINNESOTA.

ALBERT LEA—Veness J. W.
DULUTH—*National Iron Co.
MANKATO—Mankato Mfg. Co.
MINNEAPOLIS—*Crown Iron Works Co., 1229 Tyler
*Flour City Ornamental Iron Co. 27th st & 27th av
Kienzle-Merrick Mfg. Co., 1314 S 3rd
*Menzel & Jeffery Co., 317 9th av
Minneapolis Ornamental Iron Co., 143 27th, S E
*Minneapolis Steel & Machinery Co. (Cast, Structural & Ornamental), 2854 Minehaha av.
Union Iron Works, Main cor 2nd av, S E
NEW PRAGUE—*New Prague Foundry Co.
ST. CLOUD—*St. Cloud Iron Works Co.
ST. PAUL—Herzog Iron Works
Perkins Mfg. Co., 1821 University av
See adv index at end of book
*ST. PAUL FOUNDRY CO. (Castings, Structural & Ornamental), Como av & Mackubin
See adv index at end of book
Twin City Iron, 25 W Water
Valley Iron Works (Casting Only), 81 E Water Levee
WINONA—*Phenix Iron Works

MISSISSIPPI.

NATCHEZ—Shaw, C. P. & Co.

MISSOURI.

CARTHAGE—*Carthage Fdy. & Machine Works
HANNIBAL—Dildine Bridge & Iron Co.
KANSAS CITY—Kansas City Structural Steel Co., 114 W 10th
Kansas City Wire & Iron Works, 1428 Oak
Kleeman L. F. Mfg. Co., 1923 Central
Southwest Wire & Iron Works Co., 1722 Tracey
Tilk Frank Ornamental Iron Works Co., 1722 Tracey
*United Iron Wks., Inc.
ST. JOSEPH—Berry Iron & Steel Co.
ST. LOUIS—*Banner Iron Works, Shaw av & Oak Hill Ry
Central Wire & Iron Works, 809 Gratiot
Christopher & Simpson Iron Works Co., 9th & Park av
*Gerst Bros. Mfg. Co., 800 Cass av
Greenspon's Jos. Sons Iron & Steel Co., 3163 N Hall
*Kaysing Iron & Foundry Co., 2710 N 25th
Laclede Iron Works, 1547 N 9th
Lasar Mfg. Co., 1313 N 16th
Mechanics Iron Works, 901-9 S Ewing av
*Mesker Bros. Iron Co., 421 S 6th
*Missouri Bridge & Iron Co., Fullerton bldg
Mound City Iron Works
Ornamental Wire & Iron Co., Elliott & University
Rogers-Schmitt Wire & Iron Co., 1315 N 23rd
*St. Louis Archl. Iron Co., Lesperance & De Kalb
St. Louis Brass Mfg. Co., Jefferson & Washington
St. Louis Wire & Iron Co.
Schurk Iron Works, 20 S Cardinal
*Spuck Iron & Foundry Co., 14th & Branch
*Stupp Bros. Bridge & Iron Co., Frisco bldg.
Usona Mfg. Co., 3512-26 Chonteau av
Victor Iron Works, 7th & Victor

MONTANA.

ANACONDA—Anaconda Copper Mining Co.
BUTTE—Montana Iron Works
*Western Iron Works
GREAT FALLS—Great Falls Iron Works

NEBRASKA.

BEATRICE—Beatrice Iron Works
FREMONT—*Fremont Fdy & Machine Co.
HASTINGS—*Hastings Foundry & Iron Works
OMAHA—Champion Iron & Wire Works
*Paxton & Vierling Iron Works
Wearne Bros.
YORK—*York Foundry & Engine Works (Builders' Castings, Stairs, etc.)

NEW HAMPSHIRE.

CONCORD—*Concord Foundry & Machine Co.
MANCHESTER— Lyons F. P. Iron Works, Inc. (Of All Kinds)

NEW JERSEY.

BAYONNE—Clark's Iron Foundry
CAMDEN—Odlen Herman
EAST ORANGE—Collinson Joshua
ELIZABETH—Arny Chas.
*Moore S. L. & Sons
HOBOKEN—Buchholtz C. Co.
JERSEY CITY—*Fagan Iron Works, 14th
Feudtner William, 391 7th
Hamill Alex. Iron Works, 426 Montgomery
Victorsohn Morris, 437 Grove
MADISON—Force Chas. & Son
NEWARK—American Coal Chute Co. & Architectural Iron Works, 14 Buffington av
Friedman M. A., 158 Jelliff av
Goeller H. R., 406 Frelinghuysen av
Goldberg E. Iron Works, 165 W. Kinney
*Hay Foundry & Iron Works, Plum Point la
Hedden Iron Construction Co., Lyons Farms
Industrial Wire & Metal Works, 95 High
Katchen, Barnett Iron Works, 107 Hunterdon
Koller E. L. Mfg. & Coal Chute Co., 232 Sussex
Smith Albert Sons, 73 N. J. R. R. av
NEW BRUNSWICK—*New Brunswick Iron Works (Cast, Wrought & Ornamental)
PASSAIC—J. G. Schmidt Iron Wks., Inc.
PATERSON — *Eastwood Benj. Co. (Builders' Castings Only)
Lendrim H. C. Co.
ROCKAWAY—Lincoln Architectural Iron Co.
TRENTON—Baker W. H.
*Mackenzie's, Duncan Sons Co.
UNION HILL—Haas, G. M.
WEST HOBOKEN—Courtman Walter F.

NEW MEXICO.

ALBUQUERQUE—*Albuquerque Foundry & Machine Works

NEW YORK.

ALBANY—Clausen M. R. Architectural Iron Co.
*McKinney, Jas. & Son
BINGHAMTON—Shapley & Wells
BUFFALO—Buffalo Structural Steel Co., 166 Dart
BUFFALO WIRE WORKS CO. (Ornamental), 453 Terrace
See adv index at end of book
*Ernst's Charles F. Sons, 75 Lathrop
Feine August & Sons Co., 140 Terrace
Ginther's J. Sons Co., 419 Broadway
Jones Iron Works, 312 Terrace
Kellogg Structural Steel Co., 31 Stone
Mostberger Iron Co., 378 S Division
Progressive Steel Co., 504 Bailey av
JAMESTOWN—*Eagle Foundry & Machine Co.
LONG ISLAND CITY—(See New York City, Borough of Queens)

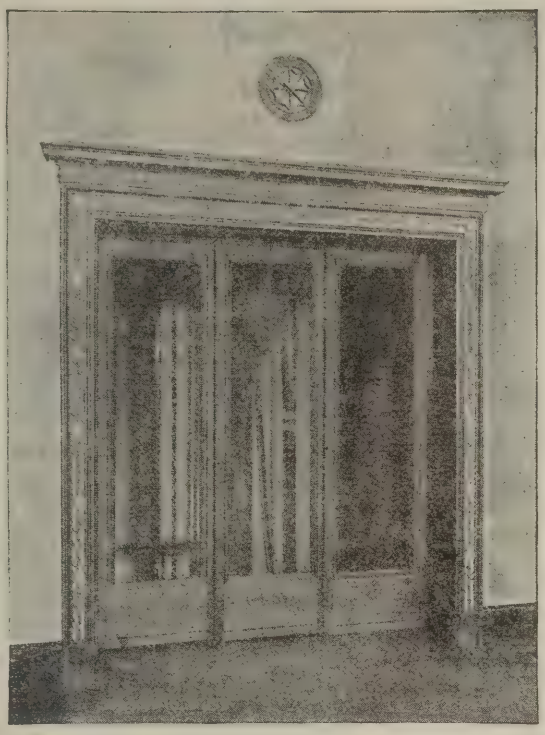
NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Albee & Godfrey Co., Stewart av
Bassett A. Iron & Wire Works, 42 Walworth
Bloss O. J., 243 Monitor
*Eagle Iron Works (Inc.), 850 DeKalb av
Estey Bros. Co., 1006 Metropolitan av
Feldman Jno., 1323 Gates av
Fluegel Anton, 219 Cook
Gratz George E., Jr., 1143 DeKalb av
Green B. G., 213 Pacific
Grosback Wm. & Co., 37 Maspeth av
Hafker Bryan, 73 N Portland av
Hecla Iron Works, 118 N 11th
Mark & Mohl, 3rd av & 6th
May Jacob, 850 De Kalb av
Mock Julius & Sons, 777 Rutland rd
Mullon Bros., 165 Union av
Nassau Steel & Iron Wks., 525-58th
Philips Abraham A., Jr., 2219 Pitkin av
*Reliance Arch'l Iron Works, 253 Monitor
Schwenn Wm., 830 Lexington av
Viking Iron Works, Inc., 173 7th
Whale Creek Iron Works, 245 Huron

Boroughs of Manhattan and Bronx.

NEW YORK—American Car & Foundry Co., 165 B'way
Anaconda Copper Mining Co., 25 B'way
Anchor Post Iron Works, 50 Church, New York
See adv index at end of book
Bartlett J. B. C. Iron Works, 604 W 49th
Becker Geo., 545 W 22d
Black & Boyd Mfg. Co., 17 47th
Carlin Iron Works, 310 W 40th
Chapman Wm. O. Co., 30 Church



Tyler Elevator Enclosure, Type "A" Construction

TYLER

Architectural Iron and Bronze

Elevator Entrances
Elevator Cars
Memorial Tablets
Mausoleum Doors
Marquises
Gates
Grilles
Bronze Doors
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Stairways
Store Fronts
Bank Railings
Office Railings
Lamps, Etc.

Designers, Founders and Manufacturers of Ornamental Iron and Bronze for Entire Building Contracts

THE W. S. TYLER COMPANY

CLEVELAND, OHIO

CHICAGO 332 So. Michigan Ave. NEW YORK 247 Park Ave. PHILADELPHIA 260 So. Broad St. BOSTON 68 Devonshire St.

CHICAGO BRIDGE & IRON WORKS, 30 Church
See adv index at end of book
Clausen H. C. Iron Works, 433 E 74th
Colonial Iron Co., 149 Broadway
Communipaw Co., 95 Liberty
Daniels Oscar Co., 233 Broadway
Dauphin Wm. Bronze & Iron Wks., 141 W 33d
Dowdall Chas. E., 152 W B'way
Eagle Iron Works, 403 E 117th
Eisenberg Bros., 18 Jackson
Elliott Jno., 45 E 42d
Ernst Gustave, 505 E 165th
Ferro-Studio, Inc., 228 E 150th
FISKE J. W. IRON WORKS, 111 Park pl
Fox Chas. H. Iron Wks., 369 W 11th
Fritschy E. J. Corp., 604 Greenwich
Fullerton Co., 205 W 57th
Gersmann Rud., 2006 Crotona av
Goldberg & Kavadlo, 237 E 109th
Graf Martin, 279 Ave B
Grand Central Iron Works, 212 E 52d
Grossman Bros. & Rosenbaum, 82 Willow
Halback C. E. Co., 189-91-93 Banker, Dept. H
Halback C. E. & Co. (Inc.), 23 E. 26th
Happel Adam, 408 E 93d
Hay Foundry & Iron Works, 15 Madison sq N
Hess Adam, 417 E 156th
Hinkle Iron Co., 534 W 56th
Hirschorn, Schoenberger & Krieger, 608 E 133d
Hoehn Wm. Co., 218 W 20th
Howard & Morse (Ornamental for Interiors), 45 Fulton
Jennings & John, 519 W 125th
Kopelson Bros., 642 Westchester av
Kues Bros., Inc., Wks., Carter & 175th
Kushakow Jacob, 74 3d av
Lazere & Kaplan Iron Works, 822 E 141st
Levering & Garrigues Co., 552 W 23rd
Levy Chas., 554 W 45th
Liberty Iron Works, 440 E 163d
Lieberman & Sanford Co., 623 W 57th
Luetke Oscar, 1350 B'way
Lyon W. E. Iron Works, 202 E 46th
*McDougall & Porter Co., Rider & 141st
Madison Iron Works, 449 E 130th
Manhattan Iron & Steel Sales Co., 122 E 132d
Mayer & Kornbau, 13 Dry Dock
Moreng Jos. Iron Works, 208 E 19th
Mugler's Iron Works, 796 E 133d
Murphy T. J., 619 Greenwich
Neser John E., 414 W 19th
Palmer B., 513 W 52d
Park Iron Works, 712 E 136th
Perlman A. Iron Works (Inc.), 1735 West Farms rd
Pitt Wm. R. Composite Iron Works ("Pitt-Bostwick" Folding Gates & Guards, Ornamental), 543 W. 27th
Pollak Max, 505 E 76th
Realty Iron Works Co., 1980 7th av
Richter A. G., 416 E 22d
Ring & Konneke, 525 W 24th
Rocker Bros., 330 W 26th
Rueth Jos., 440 E 163d
Schacht B., 446 Timpson pl
Standard Iron Works, 508 E 74th
Thompson Hervey, 233 B'way
Tiffany Studios, 361 Madison av
Triangle Iron Works, 435 Austin pl
TYLER W. S. CO. (of Cleveland, O.), 247 Park av
See adv index at end of book
Tyroler Leo, 101 W 88th
Uris Harris H., Iron Works, 521 W 26th
Van Brunt Wm. C., Inc., 470 Borden av
Victor Iron Works, Inc., 1743 Carter av
Wander Iron Works, 423 Whitlock av
*Wells Architectural Iron Co., River av & 151st
Yorkville Iron Works, 433 E 74th

Borough of Queens.

LONG ISLAND CITY—Just Geo. A. Co., 239 Vernon av
Polachek John Bronze & Iron Co., 480 Hancock
Sexauer & Lemke, Vernon av
MASPETH—(New York City)—*Richey, Browne & Donald, Flushing av

(End of New York City)

POUGHKEEPSIE—Mitchell Co., Inc.
ROCHESTER—*Heughes F. L. & Co.
Kohlmetz Chas. E.
Kohlmetz H. L.
White Wire Works Co.
SYRACUSE—Dunning W. D.
General Erecting Co., 1054 Mary
*Smith & Caffery Co.
Syracuse Wire Works, 101 University av
Thelen Bros.
TROY—West Side Structural Co.
WATERTOWN—Wilson J. C.
YONKERS—Morris Thos., Jr. (Estate of)

NORTH CAROLINA.

CHARLOTTE—*Mecklenburg Iron Works
GREENSBORO—Sergeant Mfg. Co.
Wilkins J. D., 204-6 West Lee

NORTH DAKOTA.

FARGO—*Fargo Foundry Co.
Fargo Iron & Metal Co.

OHIO.

AKRON—Ornamental Iron Works Co.
Portage Iron & Wire Co., 1131 Johnson
ASHTABULA—Barber Mfg. Co.
BELLEFONTAINE—Bellefontaine Bridge & Steel Co.
CANTON—*Canton Foundry & Machine Co. (Castings, Columns, Sills, Base Plates, etc)
See adv index at end of book
Columbia Iron & Wire Works Co., 1006 9th S W
Union Metal Mfg. Co.
CINCINNATI—**CINCINNATI IRON FENCE CO.,** 3312 Spring Grove av
See adv index at end of book
Columbia Iron Works, 2125 Reading rd
Cincinnati Mfg. Co. (Wrought, Cast & Ornamental)
Egbers Geo. H. & Bro., 228 E 7th
Frelinger J. G. Iron Works, 115 W 2d
General Iron Wks. Co., Front & Harriet
Grimm Iron Works, 2431 Spring
Kammen Walter, 3258 Spring Grove av
Lang Wm. & Sons Co., Patterson nr Bank
Newman Mfg. Co., 420 Elm
Rowekamp Bernard J., 2920 Colerain av
*Schrieber L. & Sons Co., 3869 Ivanhoe
Stewart Iron Works Co., Inc., (& Wire), 238 Stewart blk
See adv index at end of book
CLEVELAND—Acme Fence & Iron Co., 8502H Lake av
Barshal Co., 2031 Euclid av, Cleveland, Ohio
Brooks T. H. & Co.
*City Foundry Co. (Castings)
Cleveland Art Metal Co., 3620 Superior
Forest City Steel & Iron Co., 110th nr Detroit av
McLaren Iron Works Co.
*Madison Foundry Co.
National Iron & Wire Co.
Republic Structural Iron Works Co., 1350 E 53d
Sheer Bros. Fence & Iron Co., 715 E 103d
TYLER W. S. CO.
See adv index at end of book
*Van Dorn Iron Works Co., 2700 E 79th
See adv index at end of book
*Variety Iron & Steel Works Co., Hamilton av & E 40

(Continued on following page)

Iron (Architectural & Ornamental)—Continued

OHIO—CLEVELAND—Continued
WROBBEL-MAINÉ CO. (THE), 3106 E 63rd, Cleveland, O.
Zeman Iron Works Co., 5651 B'way
COLUMBUS — Columbus Wire & Iron Works Co.
***McDonald Foundry (Cast Iron)**
Morris C. E. Co.
DAYTON—Dayton Steel Construction Co., Howell & Wilbur
Plocher Andrew Sons Co.
FREMONT—*Lehr Agricultural Co.
HAMILTON—Meyers Fred J. Mfg. Co.
MANSFIELD—Hughes-Keenan Co.
MIDDLETOWN—Shartle Bros. Machine Co.
SANDUSKY—*Klotz Machine Co.
*Mack Iron & Wire Works Co.
SPRINGFIELD—***Bayley Wm. Co.**
*Hennessey Foundry Co.
Peet & Schuster Co.
TOLEDO—Art Iron & Wire Works
Braunschweiger Bros.
Milmine H. B. & Co.
***Toledo Foundry & Machine Co.**
Toledo Wire & Iron Works
WILMINGTON—Champion Bridge Co.
YOUNGSTOWN—Youngstown Wire & Iron Co.

OKLAHOMA.

OKLAHOMA—Klein J. B. Iron Foundry Co.

OREGON.

ALBANY—*Albany Iron Works
EUGENE—Frazer G. N.
PORTLAND—City Iron Works, Larrabee & Tillamock
Columbia Wire & Iron Wks., 466 E Market
Northwest Fence & Wire Works, E 11th & Flanders
Pacific Bridge Co., E Water & Salmon
Portland Wire & Iron Works, 294 2d

PENNSYLVANIA.

ALLENTOWN—McDermott Bros., 3rd & Washington
BETHLEHEM—Bethlehem Fabricators, Inc.
Bethlehem Fence Wks.
BLOOMSBURG—*Harman & Hassert.
BRIDGEPORT—Gehret Bros.
CHESTER—Boulden Wm. M. & Son
ELLWOOD CITY—Ellwood City Iron & Wire Co.
GREENSBURGH—*Hempfield Foundry
HOLLIDAYSBURG—*McLanahan Stone Machine Co.
HOMESTEAD — Keystone Ornamental Iron Co.
JOHNSTOWN—Griffith-Custer Steel Co., Johnstown, Pa.
LANCASTER—Lancaster Structural & Foundry Wks. Rote A. B. & Co.
LEBANON—Lebanon Iron Co.
McKEESPORT—Monon & Yough Foundry Co.
Smith Nimmo & Co.
NEWSIDE—Peter F. N. & Bro.
PHILADELPHIA—*Adams Wm. Foundry Co., Inc, 960 N 9th
Allen Iron & Steel Co., 3rd & Venango
Aubel F. & E., 2505 Germantown
*Baizley John, Iron Works, 514 S Del av
Barnes Winfield S. & Co., Perry bldg
Bear Engr. & Constr. Co., 1712-14H Ludlow
*Belmont Iron Works, 22d & Washington av
Biddle-Gaumer Co., 3846 Lancaster av
*Biggin C. P. Co., 1829 Harlan
Boureau H. U. & Co., 3302 Ludlow
Clopp Geo. B., 3717 Filbert
Columbia Iron Works, 1121 N 3rd
*Coyle H. B. Iron Works, 622 Filbert
***Creswell Samuel J. Iron Works, 23d** & Cherry
Gensel Fred'k & Co., 911 Vine
*Hitzeroth Edward, 3419 Race
Horrocks Iron Works, 1404 Melon
Keystone Structural Co., Harrison bldg
Lederle Robt. B., Witherspoon bldg
McArdle Wm. H. & Son, 511 Bainbridge
Noe Wm. L. Co., 2nd & Oxford
Pettit Frank, Ornamental Iron Wks., 1505 N Mascher
Philadelphia Art Co., 16 N 9th
Richmond & Kemp, 1840 Germantown
Sutton W. A. & Co., 926 N 19th
Turner Henry, 4737 N Front
PITTSBURGH—Eichleay John, Jr., Co., 20th & Wharton
Hanny Chas. G. & Co., 856 W North av
Lane Thos Co., Farmers Bank bldg
Lanz M. Bolt Co., 2907H Carson
*Marshall Foundry Co. (Builders' **Castings), 28th & R. R.**
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg
See adv index at end of book
Pittsburgh Ornamental Iron Co., S 20th & Wharton
Rieseck Iron Works, 1201 Metropolitan
***Rosedale Foundry & Machine Co.**, Columbus & Preble
Sommerville Iron & Bronze Co., 5641 Butler
Star Ornamental Iron & Wire Works 2525 Frazier
Taylor & Dean, Penn av & 25th
Vilsack Martin Co., 3222 Penn av
POTTSTOWN—Weller M. D.
READING—Kiefer W. L.
***Remppis W. F. Iron Wks. (Plain & Ornamental), 7th & Chestnut**
SCRANTON—Becker J. F. Iron Wks., 1235 Wash av
Scranton Iron & Steel Co., 1335 Capouse av
WAYNESBORO—Smith Fence & Iron Co
WILKES-BARRE — Wilkes-Barre Iron & Wire Wks. Co. Inc., H Coal Exchange bldg
YORK—Christensen Wm. (Jobbers)
Smyser Royer Co.

RHODE ISLAND.

PAWTUCKET—White J. S. Co.
PROVIDENCE—*Colvin Foundry Co., 185 Globe
Commercial Iron Works, Inc., 171 Globe
Providence Ornamental Iron Works, 72 Dudley
Providence Steel & Iron Co. (Cast & Wrought), Kinsley av
Tower Jas. H. Iron Works, 50 Borden
WOONSOCKET—*Woonsocket Mach. & Press Co. (Builders' Castings)

SOUTH CAROLINA.

ANDERSON—*Anderson Machine & Fdry. Co.
CHARLESTON—Riley J. F.
*Riverside Iron Works, Concord

SOUTH DAKOTA.

SIOUX FALLS—Pankow Bros.

TENNESSEE.

CHATTANOOGA—Eureka Supply Co., Vol Life bldg
Price-Evans Foundry Co., Anderson av
Standard Iron & Wire Works, 510 E 10th
JACKSON—*Southern Engine & Mfg. Co.
KNOXVILLE—***Fair Foundry Co.**
***Knoxville Foundry & Machine Co.**
MEMPHIS—Pidgeon-Thomas Iron Co.

TEXAS.

AUSTIN—*Tips Walter Co.
DALLAS—Harry O. K. Steel Works
*Mosher Steel & Machinery Co.
FORT WORTH—*Van Zandt Iron Works
HOUSTON—Berger A. A. & Co.
***Dickson Car Wheel Co.**
***Hartwell Iron Works**
***Houston Car Wheel & Machine Co.**
Riesner Bernard A.

UTAH.

SALT LAKE CITY—*Salt Lake Iron & Steel Co.

VIRGINIA.

ALEXANDRIA—Alexandria Iron Works
DANVILLE—***Westbrook Elevator Mfg. Co., Inc.**
NORFOLK—Norfolk Iron & Wire Works
RICHMOND—Carr Jas. W., 7th N 25th
Cruickshanks Iron Works Co., Dineen & S. A. L. R. R.
Richmond Structural Steel Co., 18th & Dock
***Tredegar Co., ft. of 5th**
ROANOKE—*Roanoke Iron Works
Roanoke Iron & Bridge Wks, Inc.
***Virginia Bridge & Iron Co.**

WASHINGTON.

SEATTLE—*Olympic Foundry Co. (Builders' Castings, etc.), Argo Sta.
Pacific Ornamental Iron Co.
Pacific Wire & Plating Works, 4515 6th av S
Rainier Ornamental Iron & Wire Works, 4020 8th av S
***Variety Iron Works**
SPOKANE—Artistic Iron Works, 29 Montgomery
***Union Iron Works, Inc.**
Washington Architectural Iron & Wire Works, S 18 Stone
TACOMA—Puget Sound Iron & Steel Works

WEST VIRGINIA.

WHEELING—Moss J. E. Iron Works

WISCONSIN.

APPLETON—*Valley Iron Works Co. (Castings & Columns, etc)
DE PERE—Western Steel & Iron Works (Steel Gates, Fences, etc)
EAU CLAIRE—*Phoenix Mfg. Co.
GREEN BAY—Rothe Jos. F. Foundry Co.
LA CROSSE—Smith Mfg. Co.
Torrance John & Son
MADISON—Kupler Theodore
MILWAUKEE—Badger Wire & Iron Works, 25th av & Cleveland
Globe Wire & Iron Works, Atkinson av
*Greenslade John, 678 Jefferson
Hackendahl & Schmidt Co., 16th & Canal
Hennecke C. Co., 1353 N Pierce
Milwaukee Structural Steel Co., 19th & St. Paul av
Pietsch Ferdinand, 617 Cedar
Wagner A. F., Arch'l Iron Works, 763 N. Water
***Wisconsin Iron & Wire Works**
RACINE—Racine Iron & Wire Works
RHINELANDER—Rhinelander Iron Co.
SHEBOYGAN—Optenberg Iron Works
WEST BEND—***Gehl Bros. Mfg. Co. (Castings Only)**

Iron (Band & Hoop)

See Iron & Steel, Band & Hoop

6691— Iron Bar Mills

See Also Steel Structural Mills

Aetna Nut Co. (Merchant Bar, Rounds & Squares, Ovals & Half Rounds & Ovals), Southington, Conn.
Altoona Iron Co. (Refined Merchant Bar, Band, Hoop, Oval, Half Round & Scroll Iron), Altoona, Pa.
American Car & Foundry Co. (Merchant Bars, Flats, Squares, etc), Syndicate Trust bldg, St. Louis, Mo.
American Chain Co. (Merchant Bar Iron for Harness & Saddlery Work & Chains), 929 Connecticut, Bridgeport, Conn.
American Horse Shoe Co. (All for our own Consumption), Phillipsburg, N. J.
American Steel & Wire Co. (Flats for Horse Shoes, etc), Frick bldg, Pittsburgh, Pa.
Ames W. & Co. (Rounds, Flats & Squares), Jersey City, N. J.
Armstrong Geo. W. & Co., Inc. (Rounds, Squares & Flats, etc), Fort Worth, Tex.
Bethlehem Steel Co. (Double Refined), S Bethlehem, Pa.
Booth J. B. & Co., 216 E. Robinson, Pittsburgh, Pa.
Bourne-Fuller Co., Hickox bldg, Cleveland, O.
Brown & Co. (Refined Bar & Hammered Iron for Special Purposes), 10th & Duquesne way, Pittsburgh, Pa.
Burden Iron Co. (Bar & Other Merchant Iron), Troy, N. Y.
Collins Co. (Flats & Squares), Collinsville, Conn.
COLONIAL SUPPLY CO., 217 Water Pittsburgh, Pa.
See adv index at end of book
Colorado Fuel & Iron Co. (Merchant Bar), Denver, Colo.
Crozier R. J. Co. (Dlrs.), 10 S 18th, Phila., Pa.
Danville Iron & Steel Co., Danville, Pa.
Dominion Iron & Steel Co., Ltd., 15 John, New York.
Edwards Edward T., Columbia, Pa.
Electro Steel Co., Inc., Curry Bldg., Pittsburgh, Pa.
Empire Rolling Mill Co. (Merchant Bar Iron), Bessemer & C. & P. Ry., Cleveland, O.
Fort Wayne Iron Steel Rolling Mills Corp. (Rounds, Squares, Flats, Ovals, Crescents, Tees, Angles & Channels), W. Taylor, Fort Wayne, Ind.
Highland Iron & Steel Co. (Merchant Bar), Terre Haute, Ind.
Hoopes & Townsend Co. (Merchant Iron, Rounds, Squares & Flats), Broad & Buttonwood, Phila., Pa.
Hughes & Patterson (Bar Iron), 800 Richmond, Phila, Pa.
Illingworth Jno. Steel Co. (Rerolled Swedish & Norway Iron), Tacony & Lewis, Phila., Pa.
Industrial Steel Corp. (Dlrs.), 2704 Granville, Chicago, Ill.
Interstate Iron & Steel Co., 104 S. Michigan Av., Chicago, Ill.
JANSON STEEL & IRON CO. (High Grade Refined Iron in Rounds, Squares, Flats, etc), Columbia, Pa.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Judson Mfg. Co. (Merchant Bar Iron), 819 Folsom, San Francisco, Cal.
Kansas City Bolt & Nut Co. (Merchant Bar Iron), Sheffield Station, Kansas City, Mo.
Kilby Car & Foundry Co., Anniston, Ala.
Knoxville Iron Co. (Merchant Bar), Knoxville, Tenn.
Larkin J. K. & Co., 253 Broadway, New York *See adv index at end of book*
Lebanon Iron Co., Dept. H, Lebanon, Pa.
Lockhart Iron & Steel Co. (Rolled Bar Iron Specialty, "Vulcan," Brand of Iron Bars, Bands, Angles & Channel), McKees Rocks, Pa.
Logan Iron & Steel Co. (Charcoal & Refined Bar Iron, Crown Bars, Flats, Rounds, Squares, Ovals, Half Rounds & Ovals, etc.), St. Girard bldg, Phila., Pa.
Lukens Steel Co., Coatesville, Pa.
McCoy-Linn Iron Co. (Charcoal), Iron, Rounds, Flats & Squares), Milesburg, Pa.
Mill & Mine Supply Co. ("Titan" Refined Chacoal Iron), 317 1st av S, Seattle, Wash.
Milton Mfg. Co. (Refined Bar Iron), Milton, Pa.
National Rolling Mill Co. (Bar & Finished), Vincennes, Ind.

Nicetown Plate Washer Co. (Refined Merchant), 1824 Juniata, Phila., Pa.
Ohio Falls Iron Co. (Merchant Bar & Iron for Railroad, Bridges & Car Works, etc), New Albany, Ind.
Old Dominion Iron & Steel Corp. (Merchants' Bar & Bridge Iron, including Bands), Belle Isle, Richmond, Va.
Penn Iron & Steel Co. ("Lewis" Low Phosphor Melting), Creighton, Pa.
Penn Steel & Iron Corp. (Refined Black or Galvanized Bar Iron), Lancaster, Pa.
Pittsburgh-Des Moines Steel Co., 304 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Pittsburgh Forge & Iron Co., H Chamber of Commerce bldg, Pittsburgh, Pa.
Reading Iron Co. (Merchant Bar), Reading, Pa.
Republic Iron & Steel Co. (Common, Merchant & Refined Bar Iron), Youngstown, O.
For Branch Offices see Alphabetical Section
Rockaway Rolling Mill (Bar & Double Refined Bars), Rockaway, N. J.
St. Louis Screw Co. (Black & Galvanized), Clarence av, E, St. Louis, Mo.
Scranton Bolt & Nut Co. (Merchant Bar), Scranton, Pa.
Slatington Iron & Steel Co. ("Slatington Best," "Slatington Norway," "Slatington Staybolt," "Lehigh," High Grade Refined Carriage, Drop Forging, Horse Shoe & Boiler Rivet Iron, etc), Slatington, Pa.
Tredegar Co. (Merchant Bar, Car Iron), ft of 5th, Richmond, Va.
Tuttle Chas. W. (Merchant Bar Iron), ft of McMaster, Auburn, N. Y.
Ulster Iron Works (Puddled Merchant Bar Iron), Dover, N. J.
Virginia Iron Coal & Coke Co. (Merchant Bar Iron), Roanoke, Va.
Westerman & Co. (Rounds, Squares, Hexagons & Fancy Shapes & Horse Shoe Iron), Lockport, N. Y.
Wurster F. W. & Co. (Merchant Bar Iron), 375 Kent av, Brooklyn, N. Y.

Iron (Boiler & Tank Plate)

See Iron & Steel, Boiler & Tank Plate

6692— Iron (Bridge)

See also Steel Structural Mills

Lockhart Iron & Steel Co., McKees Rocks, Pa.
Logan Iron & Steel Co., St. Girard bldg, Phila, Pa.

6692a— Iron Bromide

Dow Chemical Co. (Ferrous & Ferric), Midland, Mich.
Mallinckrodt Chem. Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

6692b— Iron Carbonate

Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Milwaukee Structural Steel Co., 19th & St. Paul av, Milwaukee, Wis.
Ohio Falls Iron Co., New Albany, Ind.

Iron Castings

See Castings, Various Kinds; also Machinists & Founders

Iron (Channel)

See Steel Structural Mills

6693— Iron (Charcoal Sheet)

See also Iron & Steel Sheet, Black & Galvanized

Cooper Chas. & Co., 194 Worth, New York
Griffith Charcoal Iron Mills, Washington, Pa.
Reeves Mfg. Co. ("Reeves Guaranteed"), Dover, O.
Wheeling Corrugating Co., Wheeling, W. Va.

6693a—Iron Chloride (Crystals)

Dow Chemical Co. (Commercial & U. S. P.), Midland, Mich.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Powers - Weightman - Rosengarten Co., 916H Parrish, Phila., Pa.

6694— Iron Chromate

Foote Mineral Co., 109 N 19th, Phila., Pa.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book

Iron (Electrical)

See Iron & Steel Sheet, Electrical

6695— Iron (Engine Bolt)

See also Iron Bar Mills

Bethlehem Steel Co. (Double Refined), South Bethlehem, Pa.
Bourne Fuller Co., Hanna bldg., Cleveland, Ohio
Ewald Iron Co. ("Laurel"), Louisville, Ky.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Lebanon Iron Co., Dept. H, Lebanon, Pa.
Lockhart Iron & Steel Co. ("Vulcan" Puddled), McKees Rocks, Pa.
Old Dominion Iron & Steel Corp. (Extra), Belle Isle, Richmond, Va.
Ohio Falls Iron Co., New Albany, Ind.
Penn Iron & Steel Co. ("Lewis"), Creighton, Pa.
Pittsburgh Forge & Iron Co., Chamber of Commerce bldg, Pittsburgh, Pa.
Rome Iron Mills Inc., 30 Church, New York
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill.
See adv index at end of book
Slatington Iron & Steel Co., Slatington, Pa.
Ulster Iron Works ("Ulster" Special), Dover, N. J.
Wetherell Bros. Co., 251 Albany, Cambridge, Mass.
See adv index at end of book

Iron Fencing

See Iron Railings & Fences; also Fences, Iron & Steel Picket

6696— Iron (Guide)

See also Iron Bar Mills

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.

6697— Iron (Horse Shoe)

See also Iron Bar Mills

Bethlehem Steel Co., Bethlehem, Pa.
Empire Rolling Mill Co., Bessemer & C. & P. Ry., Cleveland, O.
Logan Iron & Steel Co., St Girard bldg., Phila, Pa.
Ohio Falls Iron Co. (Hammered Charcoal Iron), New Albany, Ind.
Slatington Iron & Steel Co., Slatington, Pa.
Tuttle Chas. W., ft of McMaster, Auburn, N. Y.

6698— *Iron Liquor

Cleveland Cliffs Iron Co., Rockefeller bldg, Cleveland, O.
Eastwood Chemical Co., Belleville, N. J.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Sergeant E. M. Co., 131 Cedar, New York

6699— Iron Muck Bar

Bethlehem Steel Co. (Low Phosphorus), South Bethlehem, Pa.
Blandon Rolling Mill, Blandon, Pa.
Brooke E. & G. Iron Co., Birdsboro, Pa.
Empire Rolling Mill Co., Bessemer & C. & P. Ry., Cleveland, O.
Glasgow Iron Co., Pottstown, Pa.
Highland Iron & Steel Co., Terra Haute, Ind.
Interstate Iron & Steel Co., 104 S. Michigan av, Chicago, Ill.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Kittanning Iron & Steel Mfg. Co., Kittanning, Pa.
Lebanon Iron Co., Lebanon, Pa.
Lessig Geo. B. Co., Pottstown, Pa.
Logan Iron & Steel Co., Morris bldg, Phila., Pa.
Milton Mfg. Co., Milton, Pa.
Moorhead Bros. & Co., Sharpsburg, Pa.
Pittsburgh Forge & Iron Co., Chamber of Commerce bldg, Pittsburgh, Pa.
Spang, Chalfant & Co., Union Bank bldg, Pittsburgh, Pa.

6699a— Iron Nitrate

Cooper Chas. & Co., 194 Worth, New York
General Chemical Co., 40 Rector, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merrimac Chemical Co., 148 State, Boston Mass.
Powers - Weightman - Rosengarten Co., 916H Parrish, Phila., Pa.

Iron (Norway)

See Iron & Steel, Swedish

6700— Iron (Open Hearth)

Andrews Steel Co. (Rust Resisting Sheets, etc), Newport, Ky.
Inland Steel Co. (Rust-Resisting Sheets & Plates), 38 S Dearborn, Chicago, Ill.
Newport Rolling Mill Co. (Rust Resisting, Anti-Corrosive Sheets), Newport, Ky.

6700a— Iron (Perchloride)

Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

Iron Pier Builders

See Steel Structural Work

Iron (Pipe & Flue)

See Iron & Steel Skelp

Iron (Planished)

See Locomotive Jacket Iron; also Steel Sheets, Planished & Polished

6700b—Iron (Precipitated, Oxide of)

Lavino E. J. & Co., Bullitt bldg, Phila. Pa.

6701—Iron Railings & Fences

For other Iron Railing Manufacturers see Iron, Architectural & Ornamental; also Bank & Office Railings; also Wire Fences

Amos Chas. & Co. Inc., 3000 Hart av, Detroit, Mich.
ANCHOR POST IRON WORKS ("Anchor-Weld"), 50 Church, New York
See adv index at end of book
Armstrong & Parker, Bath & 861 Guilford av, Baltimore, Md.
Badger Wire & Iron Works (Floor), 25th av & Cleveland, Milwaukee, Wis.
Balderston H. & Son, 505 W. Franklin, Baltimore, Md.
Barnum E. T. Wire & Iron Wks., 864 Woodward, Detroit, Mich.
Bayley Wm. Co., Springfield, O.
Belmont Iron Wks., 22d & Wash. av, Phila., Pa.
Biggin Chas. P. Co., 1829 Harlin, Phila., Pa.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Braun J. G., 609 S Paulina, Chicago, Ill.
Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y.
See adv index at end of book
California Artistic Metal & Wire Co., 349 7th, San Francisco, Cal.
Chesapeake Iron Works, Westport, Baltimore, Md.
Christopher & Simpson Iron Works Co., 9th & Park av, St. Louis, Mo.
CINCINNATI IRON FENCE CO., 3312 Spring Grove av, Cincinnati, O.
See adv index at end of book
Cincinnati Mfg. Co., Cincinnati, O.
Coleman Adelbert E., 336 W 37th, Chicago, Ill.
Columbus Wire & Iron Works Co., Columbus, O.
Creswell Samuel J. Iron Works, 23d & Cherry, Phila, Pa.
CROWN IRON WORKS CO., 1229 Tyler, Minneapolis, Minn.
Dauchy Iron Works, 223 W Illinois, Chicago, Ill.
Davenport Machine & Foundry Co., Davenport, Ia.
Dietrich Bros., cor Pleasant & Davis, Baltimore, Md.
Dow Wire & Iron Works, Louisville, Ky.
Dufur & Co., 311 N Howard, Baltimore, Md.
Eagle Iron Works Inc., 850 De Kalb av, Brooklyn, N. Y.
East Iron & Machine Co. (Railings Only), 351 E Market, Lima, O.
Ernst's Chas. F. Sons, 75 Lathrop, Buffalo, N. Y.
Ferro-Studio Inc., 228 E 150th, New York
Fiske J. W. Iron Works, 111 Park pl, New York
Fleck, M., 338 E 124th, New York
Flour City Ornamental Iron Co., 27th st & 27th av, Minneapolis, Minn.
Gehret Bros., Bridgeport, Pa.
Haarmann G. & Co., Inc., Holyoke, Mass.
Halsted Joseph Co., 1233 W Randolph, Chicago, Ill.
Hanke Iron & Wire Works, 800 N Albany av, Chicago, Ill.
Hassell Iron Works Co., Colorado Springs, Colo.
Heath-Johnson Co. Inc., 300 W Ontario, Chicago, Ill.
Hennecke C. Co., 1353 N Pierce, Milwaukee, Wis.
Herzog Iron Works, St. Paul, Minn.
Howard & Morse (For Interiors), 45 Fulton, New York
Inglis Wm. Wire & Iron Wks., 960 Harper, Detroit, Mich
International Steel & Iron Co., Evansville, Ind.
Interstate Bridge Forge & Mfg. Co., 721 Broad, Newark, N. J.
Kansas City Wire & Iron Works, 1428 Oak, Kansas City, Mo.
Kleeman L. F. Mfg. Co., 1923 Central, Kansas City, Mo.
Krees Bros. Iron Wks, 1807 Carter av, New York
Lasar Mfg Co., 1313 N 16th, St. Louis, Mo.
Lindenschmidt Co., Evansville, Ind.
Lucas A. & Son (Iron Railings), 1318 S Washington, Peoria, Ill.
Lyons F. P. Iron Works Inc., Grove & Willow, Manchester, N. H.
McKinney Jas. & Son, Albany, N. Y.
Manly Jail Works, Dalton, Ga.
Marshall Blow Pipe Co., 7431 Dubois, Detroit, Mich.

(Continued on following page)

Iron Railings & Fences—Continued

Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Mesker Geo. L. & Co. (Railings), Evansville, Ind.
Meyers Fred J. Mfg. Co., Hamilton, O.
Michel & Pfeffer Iron Wks., 1417 Harrison, San Francisco, Cal.
Milwaukee Structural Steel Co., 19th & St. Paul av, Milwaukee, Wis.
Moss J. E. Iron Wks., Wheeling, W. Va.
Nash Caleb, Mt. Vernon, N. Y.
New Haven Fence & Fire Escape Co., 220 Washington av, New Haven, Conn.
Newman, A. J., Shreveport, La.
Newman Mfg. Co. (Hand Railings), 420 Elm, Cincinnati, O.
Norfolk Iron Co., Norfolk Downs, Quincy, Mass.
Norfolk Iron & Wire Works, Inc., Norfolk, Va.
Northwest Fence & Wire Works, E 11th & Flanders, Portland, Ore.
Ornamental Foundry Co., Anniston, Ala.
Pacific Fence Construction Co., 423 Market, San Francisco, Cal.
Perkins Mfg. Co. (Railings Only), 1821 University av, St. Paul, Minn.
See adv index at end of book
Peter F. N. & Bro. (Wrought Iron & Cast Iron), Newside, Pa.
Pettit Frank Ornamental Iron Wks., 1505 N Mascher, Philadelphia, Pa.
Pitt Wm. R. Composite Iron Works (Ornamental), 548 W 27th, New York
Pittsburgh Ornamental Iron Co., S 20th & Wharton, Pittsburgh, Pa.
Polachek John Bronze & Iron Co., 476H Hancock, Long Island City, N. Y.
Potts Mfg. Co., Mechanicsburg, Pa.
Queen City Iron & Wire Wks. Co., 1431 Blake, Denver, Colo.
Remppis W. F. Iron Works, 7th & Chestnut, Reading, Pa.
Republic Structural Iron Works Co., 1350 E 53d, Cleveland, O.
Richey, Browne & Donald (& Bronze), Flushing av, Maspeth, N. Y.
Richmond Structural Steel Co., 18th & Dock, Richmond, Va.
Roanoke Iron & Bridge Wks, Roanoke, Va.
Ross Bros. (Fences Only), Miners Mills, Pa.
St. Louis Wire & Iron Works Co., 518 Chouteau av, St. Louis, Mo.
Scaar Frank & Co., 1042 W 11th, Chicago, Ill.
Schreiber L. & Sons Co., 3869 Ivanhoe, Cincinnati, O.
Smith A. L. Iron Wks., Dept. H, Chelsea, Mass.
SMITH F. P., WIRE & IRON WORKS, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Smith L. Iron & Steel Co., Jacksonville, Fla.
Smyser Royer Co., York, Pa.
Snow W. A. Iron Works, Inc., 32 Portland, Boston, Mass.
Sommerville Iron & Bronze Co., 5641 Butler, Pittsburgh, Pa.
Standard Fence Co., 60th & Lowell, Oakland, Cal.
Standard Iron & Wire Works, 510 E 10th, Chattanooga, Tenn.
Stewart-Holland Co., Wabash bldg, Pittsburgh, Pa.
STEWART IRON WORKS CO., INC., 238 Stewart blk, Cincinnati, Ohio
See adv index at end of book
Taylor & Dean, Penn av. & 25th, Pittsburgh, Pa.
Thompson Hervey, 233 Bway, New York
TYLER W. S. CO., Cleveland, O.
See adv index at end of book
Union Foundry Works, 38 S Dearborn, Chicago, Ill.
Union Iron Wks. Co., 212 12th, Washington, D. C.
United Ornamental Iron Works, 189 W Madison, Chicago, Ill.
Van Dorn Iron Works Co. (The), (Wrought), 2700 E 79th, Cleveland, O.
See adv index at end of book
Verdeckberg Iron & Wire Works Co., 1109 California, Denver, Colo.
Vilsack Martin Co., 3222 Penn av, Phila., Pa.
Voss Frederick, 552 W Monroe, Chicago, Ill.
Wells Architectural Iron Co., River av & 1st, New York
West Coast Wire & Iron Works, 861 Howard, San Francisco, Cal.
West Side Structural Co., Troy, N. Y.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Wilkins J. D., 204-6 W Lee, Greensboro, N. C.
Wis. Iron & Wire Works, 1660 Booth, Milwaukee, Wis.
Wrobbel-Maine Co. (The), 3106 E 63rd, Cleveland, O.
Zeman Iron Works, 5651 Broadway, Cleveland, O.

6702—Iron (Refined Hammered)

Cyclops Steel Co., 120 B'way, New York
Duke Steel Co. Inc., 191 Pearl, New York
Wetherell Bros. Co. ("Wayne," "Soho" & "U. S."), 251 Albany, Cambridge, Mass.
See adv index at end of book

6703— Iron (Russia)

Harvey Arthur C. Co., 506 Cambridge, Allston Dist., Boston, Mass.
Staten Island Shipbuilding Co., 3075H Richmond Terrace, Mariners Harbor, Staten Island, N. Y.

6704— Iron (Rust Resisting)

Allegheny Steel Co. ("Allegheny" Charcoal Iron), Oliver bldg, Pittsburgh, Pa.
Andrews Steel Co. (Genuine Open Hearth Sheets, etc), Newport, Ky.
Falcon Steel Co., Niles, Ohio
Fisher C. W., 52H B'way, New York
Inland Steel Co. (Copper Alloy), 38 S Dearborn, Chicago, Ill.
Newport Rolling Mill Co. (Genuine Open Hearth Sheets), Newport, Ky.
Reeves Mfg. Co. ("Reeves Guaranteed"), Dover, O.
United Alloy Steel Corp., Canton, O.
Wheeling Steel Corp. ("Portsmouth" & "Ohio Metal"), Wheeling, W. Va.

6705— Iron Scale

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book

6706—Iron Sheets (Blue Annealed)

Bourne Fuller Co., Hanna bldg, Cleveland, O.
Globe Iron Roofing & Corrugating Co., Dept. H, Newport, Ky.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Newport Rolling Mill Co., Newport, Ky.
Reeves Mfg. Co., Dover, O.
Ryerson, Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill.
See adv index at end of book
Wheeling Corrugating Co., Wheeling, W. Va.
Wheeling Steel Corp., Wheeling, W. Va.

Iron Skelp

See Iron & Steel Skelp

6707— Iron Stair Builders

Amos Chas. & Co., Inc., 3000 Hart av, Detroit, Mich.
Armstrong & Parker, 861 Guilford av, Baltimore, Md.
Badger Wire & Iron Works, 25th av & Cleveland, Milwaukee, Wis.
Barnum E. T. Wire & Iron Wks., 501-23 Cass av, Detroit, Mich.
Bayer-Rothgeb Co., Los Angeles, Cal.
Belmont Iron Works, 22d & Washington av, Phila, Pa.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
California Artistic Metal & Wire Co., 349 7th, San Francisco, Cal.
Capital Iron Works Co., Topeka, Kan.
Chesapeake Iron Works, Westport, Baltimore, Md.
Christopher & Simpson Iron Works Co., 9th & Park av, St. Louis, Mo.
Coleman Adelbert E., 336 W 37th, Chicago, Ill.
Creswell Samuel J. Iron Works, 23d & Cherry, Philadelphia, Pa.
CROWN IRON WORKS CO., 1229 Tyler, Minneapolis, Minn.
Dexter Metal Mfg. Co. (Spiral), 93 Arch, Camden, N. J.
Dow Co., 201H N Buchanon, Louisville, Ky.
Eagle Iron Works, 850 De Kalb av, Brooklyn, N. Y.
Ernst's Chas. F. Sons, 75 Lathrop, Buffalo, N. Y.
Fanner Mfg. Co., Brookside Pk., Cleveland, Ohio
Faucher-MacMurray, Inc., 310 Franklin, Rochester, N. Y.
Fiske J. W. Iron Wks. (Spiral), 111 Park pl, New York
Flour City Ornamental Iron Co., 27th st & 27th av, Minneapolis, Minn.
Guaranty Iron & Wire Co., 2847 W Lake, Chicago, Ill.
Halback C. E. Co., 189-91-93 Hanker, Brooklyn, N. Y.
Halsted Joseph Co., 1233 W Randolph, Chicago, Ill.
Hanke Iron & Wire Works, 800 N Albany av, Chicago, Ill.
Hassell Iron Works Co., Colorado Springs, Colo.
Hastings Foundry & Iron Works, Hastings, Neb.
Hay Foundry & Iron Works, Plum Point la, Newark, N. J.
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
Hedden Iron Construction Co., Lyons Farms, Newark, N. J.
Herzog Iron Works, St. Paul, Minn.
Heughes F. L. & Co., Rochester, N. Y.
Holmes, Pyott & Co., 159 N Jefferson, Chicago, Ill.
Hooker O. V. & Son (Cast Iron Spiral Stairways), Perkins, St. Johnsbury, Vt.
International Steel & Iron Co., Evansville, Ind.
Iowa Steel & Iron Works, Cedar Rapids, Ia.
Kleeman L. F. Mfg. Co., 1923 Central, Kansas City, Mo.
Lane Thos. Co., Farmers' Bank bldg, Pittsburgh, Pa.
Lasar Mfg. Co., 1313 N 16th, St. Louis, Mo.
Lucas A. & Sons, 1329 S Washington, Peoria, Ill.
Lyon F. P. Iron Works Inc., Manchester, N. H.
McKinney Jas. & Son, Albany, N. Y.
Mack Iron & Wire Wks, Sandusky, O.
Marshall Blow Pipe Co. (Spiral, Haskell's Patent), 7431 Dubois, Detroit, Mich.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Mesker Geo. L. & Co., Evansville, Ind.
MEYERS FRED J. MFG. CO., Hamilton, O.
Michel & Pfeffer Iron Wks. (Also Spiral), 1417 Harrison, San Francisco, Cal.
Milwaukee Structural Steel Co., 19th & St. Paul av, Milwaukee, Wis.
Moss J. E. Iron Wks., Wheeling, W. Va.
Mugler's Iron Works, 796 E 133d, New York
Norfolk Iron Co., Norfolk Downs, Quincy, Mass.
Norfolk Iron & Wire Works, Inc., Norfolk, Va.
Paxton & Vierling Iron Works, Omaha, Neb.
Pettit Frank Ornamental Iron Wks., 1505 N Mascher, Philadelphia, Pa.
Pittsburgh Ornamental Iron Co., S 20th & Wharton, Pittsburgh, Pa.
Plocher Andrew Sons Co., Dayton, O.
Portage Iron & Wire Co., 1131 Johnston, Akron, O.
Remppis W. F. Iron Works, 7th & Chestnut, Reading, Pa.
Republic Structural Iron Works Co., 1350 E 53d, Cleveland, O.
Richey, Browne & Donald (Cast & Wrought Iron & Steel), Flushing av, Maspeth, N. Y.
Richmond Structural Steel Co., 18th & Dock, Richmond, Va.
Riser & Moulding Co., Thomas & Stewart av, Brooklyn, N. Y.
Roanoke Iron Works, Roanoke, Va.
Roanoke Iron & Bridge Wks. (Inc.), Roanoke, Va.
Rohns Albert & Co., 1250 Calvert, Detroit, Mich.
St. Louis Wire & Iron Co., St. Louis, Mo.
ST. PAUL FOUNDRY CO., Como av & Mackubin, St. Paul, Minn.
See adv index at end of book
Scaar Frank & Co., 1042 W 11th, Chicago, Ill.
Schreiber L. & Sons Co., 3869 Ivanhoe, Cincinnati, O.
Scranton Iron & Steel Co., 1335 Capouse av, Scranton, Pa.
Smith A. L. Iron Wks., Dept. H, Chelsea, Mass.
SMITH F. P. WIRE & IRON WORKS, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Smith & Caffery Co., Syracuse, N. Y.
Smyser, Royer Co., York, Pa.
Sommerville Iron & Bronze Co., 5641 Butler, Pittsburgh, Pa.
Southwest Wire & Iron Works Co., 1722 Tracey, Kansas City, Mo.
Standard Iron & Wire Works, 510 E 10th, Chattanooga, Tenn.
Stevens Iron Works & Fireproofing Co., Cleveland, O.
Syracuse Architectural Iron Works, Syracuse, N. Y.
Taylor & Dean, Penn av & 25th, Pittsburgh, Pa.
Thompson Hervey, 233 B'way, New York
Tilk Frank Ornamental Iron Works Co., 1722 Tracey, Kansas City, Mo.
TYLER W. S. Co., Cleveland, O.
See adv index at end of book
Union Foundry Works, 38 S Dearborn, Chicago, Ill.
Union Iron Wks. Co., 212 12th, Washington, D. C.
United Iron Works, Inc., Kansas City, Mo.
United Ornamental Iron Works, 189 W Madison, Chicago, Ill.
United States Metal Products Co. ("Bois"), 330 10th, San Francisco, Cal.
Van Dorn Iron Works Co. (The), 2700 E 79th, Cleveland, O.
See adv index at end of book
Verdeckberg Iron & Wire Works Co., 1109 California, Denver, Colo.
Vierling Steel Works, 23rd & Stewart av, Chicago, Ill.
Wells Architectural Iron Co., River av & 51st, New York
Western Architectural Iron Co., 211 W Schiller, Chicago, Ill.
Western Iron & Foundry Co., Wichita, Kansas
West Side Structural Co., Troy, N. Y.
Whale Creek Iron Works, 245 Huron, Brooklyn, N. Y.
Wilkins J. D., 204-6 West Lee, Greensboro, N. C.
Wisconsin Iron & Wire Works, Milwaukee, Wis
Wrobbell-Maine Co. (The), 3106 E 63rd, Cleveland, O.

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6708—Iron Stair Builders (Combination Steel Concrete Interior)

Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Michel & Pfeffer Iron Wks., 1417 Harrison, San Francisco, Cal.
Richmond Structural Steel Co., 18th & Dock, Richmond, Va.
SMITH F. P. WIRE & IRON WORKS, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book

6709— Iron (Staybolt)

Bethlehem Steel Co. ("Bethlehem"), South Bethlehem, Pa.
Bourne Fuller Co., Hanna bldg, Cleveland O.
Delaware Seamless Tube Co., Auburn, Pa.
See adv index at end of book
Ewald Iron Co. ("Tennessee"), Louisville, Ky.
Falls Hollow Staybolt Co. (Hollow & Solid **Staybolt Bars, Made from Double Refined Charcoal Iron & Steel),** Cuyahoga Falls, O.
Ft. Wayne Iron & Steel Rolling Mills, West Taylor, Ft. Wayne, Ind.
Harvey Arthur C. Co., 506 Cambridge, Allston Dist., Boston, Mass.
Hughes & Patterson ("H. & P."), 800 Richmond, Phila., Pa.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Lebanon Iron Co., Dept. H, Lebanon, Pa.
Lockhart Iron & Steel Co., McKees Rocks, Pa.
Logan Iron & Steel Co., St. Girard bldg, Phila., Pa.
Ohio Falls Iron Co., New Albany, Ind.
Old Dominion Iron & Steel Corp. (Extra), Belle Isle, Richmond, Va.
Penn Iron & Steel Co. ("Lewis"), Creighton, Pa.
Pittsburgh Forge & Iron Co. ("Atlas"), **Chamber of Commerce bldg, Pittsburgh, Pa.**
Republic Iron & Steel Co., Youngstown, Ohio
For Branch Offices see Alphabetical Section
Rockaway Rolling Mill, Rockaway, N. J.
Rome Iron Mills, Inc. (Hollow), 30 Church, New York
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Ulster Iron Works ("Ulster," Special), Dover, N. J.
Wetherell Bros. Co. ("Wayne" "Soho" & "U. S."), 251 Albany, Cambridge, Mass.
See adv index at end of book

6709a— Iron Sulphate

See also Copperas

American Steel & Wire Co., 208 S La Salle, Chicago, Ill. *See adv index at end of book*
Fergusson, Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Indiana Steel & Wire Co. (Copperas), Muncie, Ind.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Powers-Weightman-Rosengarten Co. (Ferros), 916H Parrish, Phila., Pa.
Stauffer Chemical Co., 624 California, San Francisco, Cal.
Wiarda John C. & Co. (Recrystallized), 33 Provost, Brooklyn, N. Y.
See adv index at end of book

6709b— Iron Sulphide

General Chemical Co., 40 Rector, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Penn Salt Mfg. Co., Widener bldg, Philadelphia, Pa.
Wiarda John C. & Co., 33 Provost, Brooklyn, N. Y.
See adv index at end of book

Iron Summer Houses

See Summer Houses or Arbors

Iron (Swedish)

See Iron & Steel, Swedish

6710— Iron (Tagger's)

Harvey Arthur C. Co., 506 Cambridge, Allston Dist., Boston, Mass.
Taylor N. & G. Co., 300 Chestnut, Phila., Pa.

Iron (Tee)

See Steel Structural Mills

6711— Iron (Trunk)

Weirton Steel Co., Weirton, W. Va.

6711a— Iron & Steel

BITTENBENDER CO., 126 Franklin av, Scranton, Pa.
Blancke A. C. & Co., 602 W Lake, Chicago, Ill.
CARY MFG. CO., Nassau & Jay, Brooklyn, N. Y.
See adv index at end of book
FISHEL & MARKS CO., ft. of Krakow av, Cleveland, O. *See adv index at end of book*
Iron & Ore Corp (Imp.), 11 Broadway, New York
Smith David H. & Sons, Foot of 51st, Brooklyn, N. Y.
See adv index at end of book

Iron & Steel Angles, Channels, Tees, Etc.

See Steel Structural Mills, Structural Iron & Steel of All Kinds Are Classified Under This Heading. See Matter Following Each Firm's Name

6712—Iron & Steel (Band & Hoop)

Acme Steel Goods Co., 2834 Archer av, Chicago, Ill.
Altoona Iron Co. (Iron Only), Altoona, Pa.
American Box Strapping Co., Inc., 318 E 22nd, New York
American Car & Foundry Co. (Band Iron Only), Syndicate Trust bldg, St. Louis, Mo.
American Steel Band Co., 886 Progress, Pittsburgh, Pa.
American Tube & Stamping Co. **(Hot & Cold Boiler Steel Hoops & Bands),** 471 Hancock, Bridgeport, Conn.
Atlantic Steel Co. (Open Hearth Steel), Atlanta, Ga.
Baker, Hamilton & Pacific Co., 7th & Townsend, San Francisco, Cal. Works: Portland, Ore.
Booth J. B. & Co., 216 E Robinson, Pittsburgh, Pa.
Bourne Fuller Co., Hanna bldg, Cleveland, O.
Briggs & Turivas (Dirs.), 110H S Dearborn, Chicago, Ill.
Carnegie Steel Co. (Steel Only), Carnegie bldg, Pittsburgh, Pa.
CARY MFG. CO., Nassau & Jay, Brooklyn, N. Y. *See adv index at end of book*
Castle A. M. & Co. of Washington (Dirs), 32 W Connecticut, Seattle Wash.
Colorado Fuel & Iron Co., 840 17th, Denver, Colo.
Columbia Steel Co., Elyria, O.
Connors Steel Co. (Steel Hoops Only), Birmingham, Ala.
De Haven Mfg. Co. (Cold Rolled Steel), 50 Columbia Heights, Brooklyn, N. Y.
Empire Rolling Mill Co., Bessemer & C. & P. Ry, Cleveland, O.
Fort Wayne Iron Steel Rolling Mills, W Taylor, Ft. Wayne, Ind.
Froment & Co., 150 Bank, New York
General Cooperage & Timber Co., Whitney-Central bldg, New Orleans, Pa.
Harvey Arthur C. Co., 506 Cambridge, Allston Dist., Boston, Mass.
Hughes & Patterson (Iron Only), 800 Richmond, Phila, Pa.
Illinois Steel Co. (Steel Bands), 208 S La Salle, Chicago, Ill.
Industrial Steel Corp. (Dirs.), 2704 Greenview, Chicago, Ill.
Interstate Iron & Steel Co., 104H S. Michigan av, Chicago, Ill.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Jones & Laughlin Steel Co. (Steel Only), Ross, Pittsburgh, Pa.
Judson Mfg. Co., 319 Folsom, San Francisco, Cal.
Kaufman E. & Co., Inc., 143 Liberty, New York
Laclede Steel Co., Arcade bldg, St. Louis, Mo.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Lockhart Iron & Steel Co. ("Vulcan" **Band Iron), McKees Rocks, Pa.**
Ohio Falls Iron Co. (Light & Heavy Bands Only), New Albany, Ind.
Old Dominion Iron & Steel Corp. (Band Iron Only), **Belle Isle, Richmond, Va.**
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Peck Iron & Steel Wks. (Bands Only, Kalamazoo, Mich.
Pittsburgh Steel Co. (Steel Only), 5th av & Grant, Pittsburgh, Pa.
Potts Horace T. & Co., Erie & D, Philadelphia, Pa.
Republic Iron & Steel Co., Youngstown, Ohio
See Branch Offices Alphabetical Section
Robertson W. F. Steel & Iron Co., Elm & Commerce, Cincinnati, O.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
S. F. Steel Products Co. ("Esfco Products"), 44 Natoma, San Francisco, Cal.
St. Louis Screw Co. (Iron), Clarence av E, St. Louis, Mo.
Scott, Sugden & Lamont, Monadnock Bldg., San Francisco, Cal.
Sharon Steel Hoop Co. (Steel Bands & Hoops, Galvanized, Pickled, etc), Finance bldg, Sharon, Pa.
Smith David H. & Sons, Foot of 51st, Brooklyn, N. Y.
See adv index at end of book
Van Winkle H. L. Co. (Imp.), 160H Beale, San Francisco, Cal.
Veihardt Steel & Metal Corp., 15 Park row, New York
West Leechburg Steel Co. (Pickled & Annealed, Open Hearth Steel), Farmers Bank bldg, Pittsburgh, Pa.; Works: Leechburg, Pa.
Wire & Steel Products Co. Inc., 421 E 22nd, New York

Iron & Steel Bar

See Iron Bar Mills; also Steel Bar Mills

6713—Iron & Steel (Boiler & Tank Plate)

Allegheny Steel Co. (Open Hearth Steel Sheared Plates), Oliver bldg, Pittsburgh, Pa.
Andrews Steel Co. (Steel Tank Plate Only), Newport, Ky.
Baker-Payne-Voye Co. (Dirs.), 1177 Adams, Boston 24, Mass.
Bethlehem Steel Co., Bethlehem, Pa.
Bourne Fuller Co., Hanna bldg., Cleveland, O.
Carbon Steel Co. (Steel Only), foot 32nd, Pittsburgh, Pa.
Carnegie Steel Co. (Steel Only), Carnegie bldg, Pittsburgh, Pa.
Castle A. M. & Co. of Washington (Dirs.), 32 W Connecticut, Seattle, Wash.
Central Iron & Steel Co. (Steel Only), Harrisburg, Pa.
Cleveland Steel Co., Kirby bldg, Cleveland, Ohio
Crucible Steel Co. of America (Crucible & Open Hearth Steel), Oliver bldg, Pittsburgh, Pa.
Edes Mfg. Co., Plymouth, Mass.
Falcon Steel Co., Niles, Ohio
FISHEL & MARKS CO., Ft. of Krakow av, Cleveland, Ohio
See adv index at end of book
Froment & Co., 150 Bank, New York
Glasgow Iron Co., Pottstown, Pa.
Harvey Arthur C. Co., 506 Cambridge, Allston Dist., Boston, Mass.
Illinois Steel Co. (Open Hearth & Bessemer Steel), 208 S La Salle, Chicago, Ill.
Industrial Steel Corp. (Dirs.), 2704 Greenview, Chicago, Ill.
INLAND STEEL CO. (Open Hearth Steel Only), 38 S Dearborn, Chicago, Ill.
Iron Trade Products Co. (Steel Boiler Plates), Farmers Bank bldg
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Jones & Laughlin Steel Co. (Open Hearth Steel), Ross, Pittsburgh, Pa.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
La Belle Iron Works (Open Hearth Steel), Steubenville, O.
Lackawanna Steel Co. (Bessemer & Open Hearth Steel Boiler, Bridge & Tank Plate), Buffalo, N. Y.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Lukens Steel Co. (Open Hearth Steel), Coatesville, Pa.
Mobile Steel Co., Knox & Conception, Mobile, Ala.
Moorhead Bros. & Co., Sharpsburg, Pa.
National Sales & Trading Co., Cleveland, Ohio
NATIONAL SHEET METAL ROOFING CO., 339 Grand, Jersey City, N. J.
See adv index at end of book
Otis Steel Co. (Open Hearth Sheared Steel Plates, 1-4 inch & Heaier & up to 140 inches wide), Leather-News bldg, Cleveland, O.
Potts Horace T. & Co., Erie & D, Phila., Pa.
Republic Iron & Steel Co. (Steel), Youngstown, O.
For branch offices see Alphabetical Section
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
RYERSON JOS. T. & SON, INC., 2558 W 16th, Chicago, Ill.
See adv index at end of book
S. F. Steel Products Co., 44 Natoma San Francisco, Cal.
Sanitary Co. (Boiler Plate), Dept. H, Linfield, Pa.
Sheet Metal Mfg. Co. The, (Jobbers), Box 508, Youngstown, Ohio
Smith David H. & Sons, Foot of 51st, Brooklyn, N. Y.
See adv index at end of book
Tennessee Coal, Iron & Railroad Co. (Steel Only), Birmingham, Ala.
TICE-TINSLEY STEEL CO. THE, (Jobbers), Terminal bldg, Youngstown, O.
Veithardt Steel & Metal Corp., 15 Park row, New York
Vulcan Mfg. Co., 1200 4th av, So. Seattle, Wash.
Wood Alan Iron & Steel Co. ("A. W." Basic Open Hearth Steel, etc), Widener bldg, Phila., Pa.

6714—Iron & Steel (Corrugated, Mfrs.)

Firms marked thus (*) Roll their own Sheets

See also Roofing & Siding, Iron & Steel

Allegheny Steel Co. ("Allegheny" Iron Only), Oliver bldg Pittsburgh, Pa.
*American Rolling Mill Co., Middletown, Ohio
Am. Sheet & Tin Plate Co. (Black Painted & Galvanized Steel Only), H. Frick bldg, Pittsburgh, Pa.
Apollo Steel Co., Apollo, Pa.
Aspromet Co., 1st Nat'l Bank bldg, Pittsburgh, Pa.
*Berger Mfg. Co., ("Multiplex"), 1038 Belden av, Canton, O.
Berger Mfg. Co. of Calif., 1120 Mission, San Francisco, Cal.
Canton Art Metal Co., Canton, O.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
Eller Mfg. Co., 1200 Camden av S W, Canton, O.
Falcon Steel Co., Niles, Ohio
Fisher C. W., 52H B'way, New York
Friedley-Voshardt Co., Inc., 733 S Halstead, Chicago, Ill.
Globe Iron Roofing & Corrugating Co., Newport, Ky.
Griffiths Charcoal Iron Mills (Charcoal Iron Sheets), Washington, Pa.
Hyndman Roofing Co., 318 E 2d, Cincinnati, O.
INLAND STEEL CO. (Open Hearth Steel Sheet Only), 38 S Dearborn, Chicago, Ill.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Kanneberg Roofing & Ceiling Co., Canton, O.
La Belle Iron Works (Steel), Steubenville, O.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book

J. K. LARKIN & CO.
253 Broadway
NEW YORK

McCormack, E. A., 29 Broadway, New York.
Martin Metal Mfg. Co., Wichita, Kans.
Merchant & Evans, Washington av & 21st, Phila., Pa.
Messenger & Parks Mfg. Co., Aurora, Ill.
Milwaukee Corrugating Co., Milwaukee, Wis.
Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, O.
See adv index at end of book
National Sheet Metal Roofing Co., 339 Grand, Jersey City, N. J.
Newport Culvert Co., Newport, Ky.
Newton Steel Co., Steinbough bld, Youngstown, O.
N. Y. Iron Roofing & Corrugating Co., 94 1st, Jersey City, N. J.
Nichols Wire & Sheet Co., 21st & Baltimore, Kansas City, Mo.
Niles Corrugating Co., Niles, O.
Ohio Corrugating Co., Warren, O.
Otis Steel Co., Riverside Plant, Cleveland, O.
Parkersburg Iron & Steel Co., Parkersburg, W. Va.
Penn Metal Co. ("Penco"), 65 A Franklin, Boston, Mass.
Penn Metal Ceiling & Roofing Co., Ltd., 23d & Hamilton, Phila., Pa.
PENNSYLVANIA WIRE GLASS CO., Penna bldg, Phila., Pa.
See adv index at end of book
Reeves Mfg. Co., Dover, O.
Republic Iron & Steel Co. (Niles Wks.), Niles, O.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Scott Roofing & Mfg. Co., 408 Culvert, Cincinnati, Ohio
Seneca Iron & Steel Co. (Steel Only), Blasdell, Buffalo, N. Y.
SHEET METAL MFG. CO. THE, Box 508, Youngstown, Ohio
Souther E. E. Iron Co., Klenlin & Hamburger, St. Louis, Mo.
Steel Roofing & Stamping Works, Des Moines, Ia.
Superior Sheet Steel Co., Canton & Louisville, Canton, O.
Sykes Co., 930 W 19th pl, Chicago, Ill.
Sykes Metal Lath & Roofing Co., Niles, O.
Trumbull Steel Co., Warren, O.
*Wood J. & Bros. Co., Inc., Conshohocken, Pa.

6715—Iron & Steel Sheet (Black & Galvanized)

Allegheny Steel Co. (Black Open-Hearth Sheet Steel for Electric Work, Special Cold Rolled Stamping Steel for Deep Drawing, Nickel Plating, etc), Oliver bldg, Pittsburgh, Pa.
American Rolling Mill Co. (Open Hearth Steel Sheets Black & Galvanized; also Corrugated), Middletown, O.
Am. Sheet & Tin Plate Co. ("Apollo" Galvanized Steel for Culverts, Bessemer & Open Hearth Steel Sheets, Black & Galvanized), H Frick bldg, Pittsburgh, Pa.
Apollo Steel Co. (Galvanized Only) Apollo, Pa.
Ashtabula Steel Co. (Special Cold Rolled Stamping Steel), Ashtabula, O.
Berger Mfg. Co. (Steel), 1038 Belden av, Canton, O.
Bourne Fuller Co., Hanna bldg., Cleveland, Ohio
Burgess Co. Inc. (Dirs.), 233 B'way, New York
Canonsburg Steel & Iron Works (Black Iron & Steel Sheets for Stamping, Enameling, Deep Drawing, Tinning, Galvanized, etc), Canonsburg Pa.
Castle A. M. & Co. of Washington (Dirs.), 32 W Connecticut, Seattle, Wash.
Central Steel Co. (Bessemer & Open Hearth Steel Sheets), Massilon, Ohio
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Crozier R. J, Co. (Dirs.), 10H S 18th, Phila., Pa.
Eastern Rolling Mill Co. (Black), Sewer rd, Balto., Md.
Edwards Mfg. Co., Cincinnati, O.
See adv index at end of book
Falcon Steel Co., Niles, Ohio
Fisher C. W., 52H Broadway, New York
Follansbee Bros. Co. (Iron & Open Hearth Black & Galvanized Steel Sheets "H O H"), 3rd & Liberty, Pittsburgh, Pa.
Frasse Peter A. & Co., Inc., 417 Canal, New York
Garry Iron & Steel Mfg. Co. of N. Y. (Black & Galvanized), 819 Lincoln pl, B'klyn, N. Y.
Globe Iron Roofing & Corrugating Co. (Black Iron), Dept. H, Newport, Ky.
Griffiths Charcoal Iron Mills (Black & Galvanized Charcoal Iron Sheets), Pa.
Harvey Arthur C. Co., 506 Cambridge, Allston Dist., Boston, Mass.
Horner W. S. & Co., Oliver bldg, Pittsburgh, Pa.
Illingworth Jno. Steel Co. (Hammered & Rolled Steel Sheets for Tools, Saws, Knives, Files, etc.), Tacony & Lewis, Phila., Pa.
Independent Steel Corp., 19 Moore, New York
INLAND STEEL CO. (Copper Alloy & Open Hearth Steel), 38 S Dearborn, Chicago, Ill.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Jones & Laughlin Steel Co. (Tin Mill Size), Ross, Pittsburgh, Pa.
Kaufman E. & Co., Inc., 143 Liberty, New York
La Belle Iron Works (Open Hearth Steel Sheets), Steubenville, O.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
McCormack E, A., 29 B'way, New York
McCullough Iron Co. (Black & Galvanized Steel Sheet), Equitable bldg, Wilmington, Del.
Mansfield Sheet & Tin Plate Co. (Black Only), Mansfield, O.
Merchant & Evans, Washington av & 21st, Phila., Pa.
Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, O.
See adv index at end of book
Morse Rogers Steel Co. (Seconds), 1515 Fairfield av, Cleveland, O.
Nat'l Enameling Stamping Co., 411 5th av, New York
Newton Steel Co. (Black Sheets Only), Wicke bldg, Youngstown, O.
Newport Rolling Mill Co. (Genuine Open Hearth Iron, Black & Galvanized Rust Resisting Iron & Sheets), Newport, Ky.
Niles Steel Products Co., Niles, O.
See adv index at end of book
Ohio Corrugating Co., Warren, O.
Otis Steel Co., Riverside Plant, Cleveland, O.
Parkersburg Iron & Steel Co. (Fine Black Iron & Steel Sheets), Parkersburg, W. Va.
Potts Horace T. & Co., Erie & D, Phila., Pa.
Republic Iron & Steel Co. (Bessemer & Open Hearth, Steel & Wrought Iron), Niles Wks., Niles, O.
Reeves Mfg. Co., Dover, O.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
S. F. Steel Products Co., 44 Natoma, San Francisco, Cal.
Seneca Iron & Steel Co. (Black and Pickled Bessemer Open Hearth Sheet Steel, 10 to 30 gauge, up to 42 wide and up to 12 ft in length), Blasdell, Buffalo, N. Y.
Sharon Steel Hoop Co. (Black Sheets Only), Dept H, Sharon, Pa.
SHEET METAL MFG. CO. THE, Box 508, Youngstown, Ohio
SMITH DAVID H. & SONS, Foot of 51st, Brooklyn, N. Y.
See adv index at end of book
Superior Sheet Steel Co., Canton & Louisville, Canton, O.
TICE-TINSLEY STEEL CO. THE, (Seconds), Terminal bldg, Youngstown, O.
Trumbull Steel Co., Warren, O.
United Alloy Steel Corp. (Open Hearth Steel & Tincan Metal, Black & Galvanized), Canton, O.

SHEETS

ONE PASS COLD ROLLED — FURNITURE, AUTOMOBILE and PICKLED STEEL SHEETS

New England Agents for Eastern Rolling Mill Co.
Baltimore, Md.

WETHERELL BROS. CO. 251 Albany St., Cambridge, Mass.

Universal Rolling Mill Co. (Bessemer & Open Hearth Steel Shovel, Nail & Tack Plate), Bridgeville, Pa.
Van Brunt J. A. Co. (Expt. Only), 114 John, New York
WATSON BROS. STEEL CO., Youngstown, Ohio
Weirton Steel Co. (Steel Sheets for Stamped Ware, Stove Pipe & Enameling & Galvanizing Stock), Weirton, W. Va.
West Penn Steel Co. (All Grades of Basic Open Hearth Steel Sheets), Brackenridge, Pa.
WETHERELL BROS. CO, (Black Sheets, One Pass.), 251 Albany, Cambridge, Mass. *See adv index at end of book*
Wheeling Corrugating Co., Wheeling, W. Va.
Wheeling Steel Corp., Wheeling, W. Va.
Wood J. & Bros. Co. Inc. (Sheet & Corrugated Iron & Blue Annealed Sheets), Conshohocken, Pa.
Youngstown Sheet & Tube Co., Youngstown, O.

6716—Iron & Steel Sheet (Electrical)

See also Iron & Steel Sheet, Black & Galvanized

Allegheny Steel Co., Oliver bldg, Pittsburgh, Pa.
American Rolling Mill Co. ("Armco" Open Hearth Steel Sheets, Special Electric Analysis), Middletown, Ohio
American Sheet & Tin Plate Co. (Soft Steel Sheets, Doubled Annealed & Cold Rolled & Annealed Finishes), Frick bldg, Pittsburgh, Pa.
Ashtabula Steel Co., Ashtabula, O.
Central Steel Co., Massilon, Ohio
Chattanooga Roofing & Foundry Co., Dept. H, Chattanooga, Tenn.
Crowley John A. Co., 120 Liberty, New York
Falcon Steel Co., Niles, Ohio
Follansbee Bros. Co., 3rd & Liberty, Pittsburgh, Pa.
Harvey Arthur C. Co., 506 Cambridge, Allston Dist., Boston, Mass.
Illinois Steel Co., 208 S. La Salle, Chicago, Ill.
Inland Steel Co., 38 S Dearborn, Chicago, Ill.
Kaufman E. & Co., Inc., 143 Liberty, New York
Mansfield Sheet & Tin Plate Co., Mansfield, Ohio
Republic Iron & Steel Co. (Open Hearth Steel), Niles Wks, Niles, O.
Republic Structural Iron Wks. Co., 1350 E 53d, Cleveland, O.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Trumbull Steel Co. Warren, O.
United Alloy Steel Corp., Canton, O.
Ward's Edgar T. Sons Co., 44-54 Farnsworth, Boston, Mass.
West Penn Steel Co. (Steel Only), Brackenridge, Pa.
Wheeling Steel Corp., Wheeling, W. Va.
Wood J. & Bros. Co., Inc. (B Annealed), Conshohocken, Pa.
Youngstown Sheet & Tube Co., Youngstown, O.

Iron & Steel Sheet (Galvanized)

See Iron & Steel Sheet, Black & Galvanized

6717— Iron & Steel Skelp

Allegheny Steel Co. (Open Hearth Steel), Oliver bldg, Pittsburgh, Pa.
American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Blandon Rolling Mill (Iron Only), Blandon, Pa.
Brooke E. & G. Iron Co. (Iron Skelp), Birdsboro, Pa.
Carnegie Steel Co. (Steel), Carnegie bldg, Pittsburgh, Pa.
Glasgow Iron Co. (Iron Only), Pottstown, Pa.
HARRISBURG PIPE & PIPE BENDING CO. (Steel Boiler Tube Skelp), Herr, nr. 10th, Harrisburg, Pa.
LaBelle Iron Works (Steel Only), Steubenville, O.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Logan Iron & Steel Co. (Socket Iron, etc), St. Girard bldg., Phila., Pa.
Moorhead Bros. & Co., Sharpsburg, Pa.
Reeves Mfg. Co. (Charcoal Iron), Dover, O.
Republic Iron & Steel Co., Youngstown, O.
For Branch Offices see Alphabetical Section
Spang Chalfant & Co. (Pipe Iron), Union Bank bldg, Pittsburgh, Pa.
Wheeling Steel Corp., Wheeling, W. Va.
Wood J. & Bros. Co. (Fine Iron), Conshohocken, Pa.
Youngstown Sheet & Tube Co. (Wrought Iron & Bessemer & Open Hearth Steel Skelp), Youngstown- O.

6718—Iron & Steel (Swedish & Norway)

Bacon & Co. (Norway & Swedish Iron), 107 Oliver, Boston, Mass.
Colonial Supply Co., 217 Water, Pittsburgh, Pa.
Dodge Haley Co., 218 High, Boston, Mass.
Duke Steel Co., Inc., 191 Pearl, New York
Federal Tool & Alloy Steel Corp. (Tool & Drill Steel, American, Swedish & Norway Iron), 64 Rutledge, Brooklyn, N. Y.
Froment & Co., 150 Bank, New York
General Trading & Export Co. Inc. (Dirs.), Whitney Central bldg., New Orleans, La.
Harvey Arthur C. Co., 506 Cambridge, Allston Dist., Boston, Mass.
Houghton & Richards, 145 Oliver, Boston, Mass.
Illingworth John Steel Co., Tacony & Lewis, Phila., Pa.
Lundberg Gustaf, Board of Trade bldg, Boston, Mass.
Milne A. & Co. (Norway Iron & Steel), 741 Washington, New York
Morris E. K. & Co. (Jobbers Norway Iron), 317 W 2nd, Cincinnati, O.
Potts Horace T. & Co. (Of all Kinds), 318 N 3d, Phila., Pa.
Smith David H. & Sons, Foot of 51st, Brooklyn, N. Y.
See adv index at end of book
SWEDISH STEEL SALES CO., Suite 1420, Grand Central Terminal bldg, New York
Todd Jno. H. L. (Swedish), 120 B'way, New York
WARD'S EDGAR T. SONS CO., 44-54 Farnsworth, Boston, Mass.
See adv index at end of book

6719—Irons (Awning Frame)

Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Larkin & Co. J. K., 253 Broadway, New York
See adv index at end of book
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.

Irons (Branding)

See Burning Brands

6720-1— Irons Break)

Lanz M. Bolt Co. 2907H Carson, Pittsburgh, Pa.

6722-3-4—Irons (Breast Collar)

Frazer & Jones Co., Syracuse, N. Y.

Irons (Burling)

See Burling Irons (Textile Machinery Section)

Irons (Calking)

See Tools, Calking

6725— Irons (Car Ladder)

Kansas City Bolt & Nut Co., Sheffield Station, Kansas City, Mo.
Littleford Bros., 444 E Pearl, Cincinnati, Ohio
See adv index at end of book
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.

6726— Irons (Chafe or Rub)

Brady Electric Mfg. Co. ("Brady's" Brass & Bronze Bearing Roller), New Britain, Conn.
Cately & Ettling (Roller Chafe), Cortland, N. Y.
Chase Parker & Co., 81 Pearl, Boston, Mass.
Harvey Arthur C. Co., 506 Cambridge, Allston Dist., Boston, Mass.
National Roller Chafe Iron Co., West Medway, Mass.

6727— Irons (Chair)

Collier-Keyworth Co. (Revolving Typewriter Stool), Gardner, Mass.
Globe Co., Sheboygan, Wis.
Jenkins Machine Co., Sheboygan, Wis.

6728— Irons (Clamp)

Stearns E. C. & Co. (Also Door Frame Iron), 450 Oneida, Syracuse, N. Y.

6729— Irons (Coopers')

White L. & I. J. Co., 130 Columbia, Buffalo, N. Y.

6730— Irons (Curling)

American Elec'l Heater Co., Detroit, Mich.
Cassady Fairbanks Mfg. Co., 6126 S La Salle, Chicago, Ill.
Houchin Thos. W. Co., 36 E 12th, New York
Landers, Frary & Clark (Electric), New Britain, Conn
Manhattan Electrical Supply Co., 17 Park pl, New York
Nicol & Co. ("Grace Darling"), 218 N Jefferson, Chicago, Ill.
Pelouze Mfg. Co. (Electric), 232 E Ohio, Chicago, Ill.
Rochester Stamping Co. (Electric), 176 Anderson av, Rochester, N. Y.
Russell Electric Co. ("Hold Heet" Electric Marcel Waver), 340 W Huron, Chicago, Ill.
Slaughter Wm. E. Co., 1716 S. Michigan av, Chicago, Ill.
Vulcan Electric Heating Co. ("Vulcan," Self-Heating Electric), 107 W 13th, New York
West Electric Hair Curler Co. ("West" for Curling Without Heat), Hancock & Columbia, Phila., Pa.
Westinghouse Electric Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book
Wolcott Frank E. Mfg. Co. (Wavette" Electric), 74 Union pl, Hartford, Conn.

6731-2— Irons (Dog)

A. & J. Mfg. Co., Gadsden, Ala.
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Bethlehem Steel Co., So Bethlehem, Pa.
Birmingham Stove & Range Co. (Cast Iron), Birmingham, Ala.
Chattanooga Implement & Mfg. Co., Chattanooga, Tenn.
Chattanooga Roofing & Foundry Co., Office E C, Chattanooga, Tenn.
Gray & Dudley Hardware Co., Nashville, Tenn.
Harriman Mfg. Co., Harriman, Tenn.
Harvey Arthur C. Co., Harvey Steel rd, Allston dist, Boston, Mass.
Indiana Hollow Ware Co. (Cast Iron), Jeffersonville, Ind.
King Stove & Range Co., Sheffield, Ala.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Price-Evans Foundry Co., Anderson av, Chattanooga, Tenn.

6733— Irons (Grab)

Kansas City Bolt & Nut Co., Sheffield Station, Kansas City, Mo.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
St. Louis Car Co., 8000 N. B'way, St. Louis, Mo.
Steel Car Forge Co., Frick bldg, Pittsburgh, Pa.
Western Steel Car & Foundry Co., Farmers Bk. bldg, Pittsburgh, Pa.

6734— Irons (Grappling)

Wilcox Crittenden & Co., Inc., 444 S. Main, Middletown, Conn.
See adv index at end of book

6734a— Irons (Guard)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

6735—Irons (Hair Pinching)

Nicol & Co. ("Cape May"), 218 N Jefferson, Chicago, Ill.

6735a— Irons (Hawsing)

Drew, C., & Co., Kingston, Mass.
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Marine Hdwe. Equipment Co., So. Portland, Me.
New York Mallet & Handle Wks., 743 E 11th, New York

6736—Irons (Lead Pipe Bending)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Plomb Tool Mfg. Co., 2209 Santa Fe av Angeles, Cal.

6737—Irons (Neck Yoke, Single & Whiffletree)

Harvey Spring & Forging Co., Racine, Wis.
Littleford Bros., 444 E Pearl, Cincinnati, Ohio *See adv index at end of book*
Ransome Concrete Machinery Co., Dunellen, N. J.
Wrought Washer Mfg. Co. (Steel), Milwaukee, Wis.

6738—Irons (Painters' Scaffold)

Auer John Jr. (Wrought), 197 Middleton, Brooklyn, N. Y.

6739— Irons (Pinking)

Kraeuter & Co., 583 18th av, Newark, N. J.
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Osborne C. S. & Co., Box 183, Newark, N. J.
See adv index at end of book

6740— Irons (Plane)

Buck Bros. (Cut Double & Plane), Millbury, Mass.
Chapin-Stephens Co., Pine Meadow, Conn.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Sandusky Tool Co., Sandusky, O.
Sargent & Co., New Haven, Conn.
Stanley Rule & Level Plant ("Bailey"), New Britain, Conn.
Union Mfg. Co., 300 Church st & R. R. crossing, New Britain, Conn.
White L. & I. J. Co., 128 Columbia, Buffalo, N. Y.

Irons (Polishing)

See Sad Irons

6741— Irons (Porch Post)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Grey Iron Casting Co., Mt. Joy, Pa.
Kramer Bros. Foundry Co., Dayton, O.
Penn Hardware Co., Reading, Pa.
Susquehanna Casting Co., Wrightsville, Pa.
Williams A. C. Co., Ravenna, O.
Wrightsville Hardware Co., Wrightsville, Pa.

6741a— Irons (Pulling-in)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

6741b— *Irons (Reaming)

Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Marine Hdwe. Equipment Co., So. Portland, Me.

6741c— Irons (Ridge)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

6742— Irons (Rig)

Chrisman Foundry Co., Morgantown, W. Va.
Gowanda Agricultural Works, Gowanda, N. Y.
Kansas City Bolt & Nut Co. (Bolts & Nuts), Sheffield Station, Kansas City, Mo.
Parkersburg Rig & Reel Co., Parkersburg, W. Va.

6743— Irons (Rub)

Defiance Machine Works ("Dickman"), Defiance, O.
Harvey Spring & Forging Co., Racine, Wis.
Stowell Co. The, So Milwaukee, Wis.

6744— Irons (Sash Cord)

Allen & Son Co. ("Bulldog"), Hartford, Conn.
Conn. Cord Iron Corp., Norwich, Conn.
Jencks H. F. Co., Pawtucket, R. I.
Peck, Stow & Wilcox Co., Southington, Conn.
Sargent & Co., New Haven, Conn.

6745— Irons (Stake)

Badger Malleable & Mfg. Co., South Milwaukee, Wis.
Morse-Rogers Steel Co. (Seconds), H Guardian bldg, Cleveland, O.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Stanley Works, New Britain, Conn.
Stowell Co. The (Malleable Steel), So Milwaukee, Wis.

6746— Irons (Stanchion)

Adams Co., Dubuque, Ia.
American Standard Shipfitting Corp., 115 B'way, New York
Cheney S. & Son, Manlius, N. Y.
James Mfg. Co., Ft. Atkinson, Wis.
Klauer Mfg. Co. Dubuque, Ia.
Swift Stanley C. Mfg. Co., Cuba, N. Y.

6747— Irons (Storm Stoop)

Auer John, Jr. (Wrought), 197 Middleton, Brooklyn, N. Y.

6748— Irons (Timbale)

Wrightsville Hardware Co., Wrightsville, Pa.

6749— Irons (Tire)

See also Tools, Automobile

Harvey Arthur C. Co., 506 Cambridge, Allston Dist., Boston, Mass.
Mossberg Frank Co. (For Motorcycles), Attleboro, Mass.
Osborne C. S. & Co. (Pry Bar), Box 183, Newark, N. J.
See adv index at end of book
Smith & Hemenway Co. ("Red Devil"), 261 Broadway, New York, & 130 H. Colt, Irvington, N. J.
See adv index at end of book

6750— Irons (Top)

American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
Amesbury Brass & Foundry Co. (Slats), Amesbury, Mass.
Anderson Forge & Machine Co., Detroit, Mich.
Brewer-Titchener Corp. ("B I C"), Cortland, N. Y.
Columbus Bolt Wks. Co., Water & Chestnut, Columbus, O.
Cowles C. & Co. ("New York" & "Phila." Slat Irons), New Haven, Conn.
Detroit Forging Co. (Shafting Rails), 284 Mt. Elliot av, Detroit, Mich.
General Drop Forge Co., 1738 Elmwood av, Buffalo, N. Y.
Scherer H. & Co., 280 E Jefferson, Detroit, Mich.
Woodruff Walter W. & Sons Co. (Slat Irons), Mt. Carmel, Conn.

6751— Irons (Tuyere)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Barber Mfg. Co., Ashtabula, O.
Barcus Mfg. Co., Wabash, Ind.
Canedy-Otto Mfg. Co., Chicago Heights, Ill.
Champion Blower & Forge Co. ("Whirlwind," Blast Anti-Clinker), Lancaster, Pa.
Climax Fire Brick Co. (Bessemer), Climax, Clarion Co., Pa.
Foote J. B. Foundry Co., Fredericktown, Ohio
Grace C. M. & Co., Huntsville, Ala.
Illinois Iron & Bolt Co. ("Norton," "Warren," "Clark," "Duck Nest"), Carpentersville, Ill.
Indiana Foundry Co., Dept H, Indiana, Pa.
Roots P. H. & F. M. Co., Connersville, Ind.
Southern Skein & Foundry Co., E Lake, Chattanooga, Tenn.
Stanley Geo. W. Co., Belleville, Ill.
Towers & Sullivan Mfg. Co., Rome, Ga.
Wrightsville Hardware Co. ("L. S. I. Co."), Wrightsville, Pa.

6752— Irons (Waffle)

Birmingham Stove & Range Co. (Roller, Cast Iron), Birmingham, Ala.
Crane Wm. M. Co., ("Vulcan Gas"), 18 E 41st, New York
Fanner Mfg. Co. (Wire or Wood Handle), Cleveland, O.
Favorite Stove & Range Co., Piqua, Ohio
Griswold Mfg. Co. ("Griswold-American" & "Heart-Star"), 12th & Raspberry, Erie, Pa.
Indiana Hollow Ware Co. ("New Era," also Revolving), Jeffersonville, Ind.
Majestic Elec. Appliance Co. ("Majestic" Comb, Waffle & Pan Cake), 590 Folsom, San Francisco, Cal.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Stover Mfg. & Engine Co., Freeport, Ill.
Stuart & Peterson Co., Burlington, N. J.
Van John Range Co., 5th & Broadway, Cincinnati, O.
Wagner Mfg. Co., Sidney, O.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Wonder Electric Mfg. Co. ("Wonder"), 487 N 29th, Portland, Ore.
Wrightville Hardware Co., Wrightville, Pa.

6753—*Irons (Wagon Dump)

LINK-BELT COMPANY, 300 W. Pershing rd, Chicago, Ill.
See adv index at end of book

6754— Irons (Wagon Stake)

Noll Bros. (Pressed Steel), 849 Allis, Milwaukee, Wis.

6755— Irons (Wall)

Bethlehem Steel Co., So Bethlehem, Pa.

6755a— Irons (Waving)

Hartvig-McLaurin Mfg. Co. ("Marcella"), 329 Washington, Oakland, Cal.
Morse Frank W. ("Wavon" Electric Waver), 289 Congress, Boston, Mass.
See adv index at end of book
Permanent Wave Machine & Supply Co. ("Keen"), 465 Greenwich, New York
Russell Electric Co. ("Hold Heet" Electric Marcel), 340 W Huron, Chicago, Ill.

6756—Irons & Braces (Corner)

Acme Steel Goods Co., 2834 Archer av, Chicago, Ill.
American Shovel & Stamping Co., Lorain, O.
Auer, John, Jr. (Wrought), 197 Middleton, Brooklyn, N. Y.
Aurora Door Hanger & Specialty Co., Aurora, Ill.
Beehler Steel Products Co., 1449 N 13th, St. Louis, Mo.
See adv index at end of book
Bossert Corp., Cor. Linden & West av, Utica, N. Y.
Brass Goods Mfg. Co., 345 Eldert, Brooklyn, N. Y.
Brewer Bros. Co. (Wrought Extension), 2nd & Somerset, Phila., Pa.
Chicago Hardware Foundry Co. (Cast Iron), North Chicago, Ill.
CONSOLIDATED STEEL STRAPPING CO., 2600-20 N Western av, Chicago
Hager C. & Sons Hinge Mfg. Co. (Wrought Steel & Bronze), St. Louis, Mo.
Hardware Supply Co., Grand Rapids, Mich.
McKinney Mfg. Co., Liverpool & Metropolitan, Pittsburgh, Pa.
Merwin Mfg. Co. (Pressed Steel), Erie, Pa.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
National Mfg. Co. (Wrought Steel), Sterling, Ill.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Sargent & Co., New Haven, Conn.
STANLEY WORKS (Wrought Steel), New Britain, Conn.
See adv index at end of book
Stowell Co. The, So Milwaukee, Wis.
Western Steel Car & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.
Wrought Washer Mfg. Co., Milwaukee, Wis.

Irrigating Strainers

See Strainers, Irrigating

6757— Irrigation Plants

Honolulu Iron Works Co., 233 Broadway, New York

6758— Isinglass

American Glue Co. ("Cape Ann"), 121 Beverly, Boston, Mass.
Atlantic Isinglass Co., Boston, Mass.
Gloucester Isinglass & Glue Co., Gloucester, Mass.
Howe & French Isinglass Co. ("Ripley"), State, Boston, Mass.
Reisig Chas. H., Imp., 269 Water, New York

Riddle Chemical Co. (American, Japanese, Ground, Russian Shredded), 35 S Dearborn, Chicago
See adv index at end of book
Rockport Isinglass Co., Rockport, Mass.

6759— Ivory Black

Binney & Smith Co., 41 E, 42nd, New York
Doggett, Stanley (Imp), 11 Cliff, New York
Osborn C. J. Co., 132 Nassau, New York
Reichard-Coulston Co. (Imp.), 95 Madison, New York
Seaver & Co., 3 Tremont row, Boston, Mass.
Siemon & Eiting, 99 Nassau, New York
Smith J. Lee Co., 19 Jacob, New York
Uhlich Paul & Co., 11 Cliff, New York

6760— Ivory Goods

Kapp A. Jos. Sons Ivory Co., 124 E 14th, New York
Kuehl Clock Co. (French), 125H N Wabash av, Chicago, Ill.
ROYAL COMB CO., 180 Pond, Leominster, Mass.
Tower Sylvester Co., Cambridge, Mass.

6761— Ivory Importers

Arnold Cheney & Co., 82 Beaver, New York
Kaldenberg Trading Co., 483 Broome, New York
Miltenberg Emil, 563 B'way, New York

6761a— Ivory Substitutes

Du Pont E. I. de Nemours & Co., Inc. Pyralin Div. (Tortoise Shell, Pearl, Amber, Imitation Wood. See Adv. at Celluloid), Arlington, N. J.
See adv index at end of book

6762— Jack-Stones

Grey Iron Casting Co., Mt. Joy, Pa.
Wrightsville Hardware Co., Wrightsville, Pa.

6763— Jack-Straps

Aschenbach Henry Saddlery Co., 71 Warren, New York
Boyle John & Co., 112 Duane, New York
Buhrke, R. H. Co., 1250 Fullerton, Chicago, Ill.
Dicke Tool Co. ("Howe"), Downers Grove, Ill.
Klein Mathias & Sons, 2200 Belmont, Chicago, Ill.
Meckel Fred L., 11 E 13th, Chicago, Ill

6764— Jackets (Furnace)

Columbiana Boiler Co., Columbiana, O.
Blaw-Knox Co., Freeport rd, Hoboken, Pa.
East Pico Sheet Metal Mfg. Co. (Also Boiler), 715 E Pico, Los Angeles, Cal.
Weimer Machine Works Co., Lebanon, Pa.

6765— Jackets (Milk Can)

Oakes & Burger Co. (Felt), Cattaraugus, N. Y.

6766— Jackets (Smelting)

Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

6767—Jackets (Water, for Smelting Plants)

Dover Boiler Works, Sales Office; 40 Church, New York; Works: Dover, N. J.
See adv index at end of book
Traylor Engineering & Mfg. Co., Allentown, Pa.
Treadwell Constr. Co., Midland, Pa.

Jacks (Armature)

See Lifts, Motor, Car Pit

6768— Jacks (Automatic Lowering)

DUFF MFG. CO., Box 555, N S, Pittsburgh, Pa. *See adv index at end of book*
JOYCE-CRIDLAND CO. (THE), Dayton, Ohio *See adv index at end of book*
Rogers H. A. Co., 87 Walker, New York
Templeton Kenly Co. Ltd. ("Simplex"), 1020 S. Central av, Chicago, Ill.
See adv index at end of book

6769— Jacks (Automobile)

See also Jacks, Wagon; also Jacks, Various Kinds

Adell Mfg. Co. ("Adell"), Orange, Mass.
Alsteel Mfg. Co. ("Alsteel" Tire Saving), Battle Creek, Mich.
Arrow Grip Mfg. Co. ("Arrow Grip"), Glens Falls, N. Y.
Ashland Mfg. Co., Ashland, O.
Ashland Products Co., Ashland, O.
Buckeye Jack Mfg. Co. ("Buckeye" Automatic, etc), Alliance, O.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Bunnell & Co. ("Yellow Jack-It"), 3782 Wallace, Chicago, Ill.
Cal-Stapley Mfg. Corp., West Haven, Conn.
Covert Mfg. Co. ("Covert's"), Troy, N. Y.
Crozier R. J. Co. (Dlrs.), 10H S 18th, Phila, Pa.
Duff Mfg. Co., Box 555, N. S., Pittsburgh, Pa. *See adv index at end of book*
Elite Mfg. Co. ("Reliable"), Ashland, O.
Excello Products Co. ("Hi-Lift"), 1032 N Highland Drive, Los Angeles, Cal.
Gemco Mfg. Co. ("Gemco," Tire Saving), Milwaukee, Wis,
Ideal Machinery Co. ("Hirds" Hydraulic), 1530 Broadway, Seattle, Wash.
Iron Trade Products Co. ("Rees"), Farmer's Bank bldg., Pittsburgh, Pa.
Joyce-Cridland Co. The, Dayton, O.
See adv index at end of book
Kimmerle Bros. ("Kimkin"), 226 11th, San Francisco, Cal.
Lane Bros. Co. ("Lane's" "H-C"), Poughkeepsie, N. Y.
Lovell-McConnell Mfg. Co., Grove-Bloomfield, Newark, N. J.
Manley Mfg. Co., York, Pa.
Millers Falls Co. ("Millers Falls"), Dept H, Millers Falls, Mass.
Nat'l Jack Co., 2nd & Central, Cinnati, O.
National-Standard Co. ("Standard," "Kazoo," "Leader"), Box 211, Niles, Mich.
New England Tube & Stamping Co. Inc. ("Peteler"), West Haven, Conn.
Oliver-Barth Jack Co. ("Barth," "Peerless," "Oliver-Samson"), 348-352 Milwaukee, Milwaukee, Wis.
Paulson-McPike Mfg. Co. ("Memac"), 491 Eddy Road, Cleveland, O.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill
Prescott J. B. & Son ("Solidity" Shoe Repairing), Webster, Mass.
Rees Mfg. Co., 7501 Thomas blvd, Pittsburgh, Pa.
Republic Auto Parts Co., 81-10th, Long Island City, N. Y.
Rogers H. A. Co., 87 Walker, New York
See adv index at end of book
Rowe Calk & Chain Co. ("Hi-Lo"), Plantsville, Conn.
Shawver Co. ("Springfield," on Wheels), Springfield, O.
Spencer's C. S. Sons, Inc. ("Acme"), Guilford, Conn.
TEMPLETON KENLY & CO., LTD. ("Simplex"), 1020 S. Central av, Chicago, Ill. *See adv index at end of book*
Vanderpool Wm., Springfield, O.
Victor Machine Works ("Mayer"), 608 S Broadway, St. Louis, Mo.
Walker Mfg. Co. ("Walker"), Racine, Wis.
Weaver Mfg. Co. ("Weaver Auto-Twin," on Wheels), Springfield, Ill.
Wolverine Specialty Mfg. Co. ("Burns" & "Henry"), Twiner bldg, Battle Creek, Mich.

6769a— Jacks (Ball Bearing)

Buda Co. ("Postop"), Harvey, Ill.
Duff Mfg. Co., Box 555, N. S., Pittsburgh, Pa.
See adv index at end of book
Joyce-Cridland Co. (The), Dayton, Ohio
See adv index at end of book
Lovejoy Tool Works, 319 W. Ohio, Chicago, Ill.
See adv index at end of book
Mann F. W. Co. ("Kimball"), Milford, Mass.

6770— Jacks (Boot)

Estes E. B. & Sons (Wooden), 364 5th av, New York *See adv index at end of book*
United Awl & Needle Co., West Medway, Mass.

6771— Jacks (Bridge)

Buckeye Jack Mfg. Co., Alliance, O.
Dudgeon Richard (Hydraulic), 24 Columbia, New York
Duff Mfg. Co., Box 555, N S, Pittsburgh, Pa.
See adv index at end of book
JOYCE-CRIDLAND CO. THE, Dayton, O.
See adv index at end of book
McKiernan Terry Drill Co., 17 Park Row, New York
National-Standard Co. ("Standard"), Box 211, Niles, Mich.
Norton A. O., Inc., 440 Brookline av, Boston, Mass.
Rees Mfg. Co., 7501 Thomas blvd, Pittsburgh, Pa.
Rogers H. A. Co., 87 Walker, New York
See adv index at end of book
Swett A. L. Iron Works, Medina, N. Y.
TEMPLETON KENLY & CO., LTD. ("Simplex"), 1020 S Central av, Chicago, Ill. *See adv index at end of book*

6772— Jacks (Cable Reel)

Anderson Forge & Machine Co., Detroit, Mich.
Buckeye Jack Mfg. Co. ("Buckeye"), Alliance, O.
Cope T. J. ("Cope's"), 2112 Sansom, Phila., Pa.
Duff Mfg. Co., Box 555, N S, Pittsburgh, Pa.
See adv index at end of book
Hallett Iron Works ("Hallett"), Harvey, Ill.
Joyce-Cridland Co. (The), Dayton, Ohio
See adv index at end of book
Kelly L. J. Mfg. Co., Albany, N. Y.
Swett A. L. Iron Works, Medina, N. Y.
Templeton Kenly & Co. Ltd. ("Simplex"), 1020 S. Central av, Chicago, Ill.
See adv index at end of book

6773— Jacks (Car)

Buckeye Jack Mfg. Co., Alliance, O.
Buda Co., Harvey, Ill.
Deweese F. M. & Co. ("Mosher"), Chillicothe, O.
Dudgeon Richard (Hydraulic), 24 Columbia, New York
DUFF MFG. CO., Box 555, N S, Pittsburgh, Pa.
See adv index at end of book
JOYCE-CRIDLAND CO. (THE), Dayton, Ohio *See adv index at end of book*
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Lovejoy Tool Works ("Lovejoy"), 319 W. Ohio, Chicago, Ill.
See adv index at end of book
McKiernan Terry Drill Co. ("Doughboy"), 17 Park Row, New York
Millers Falls Co. ("Millers Falls"), Dept H, Millers Falls, Mass.
National-Standard Co. ("Standard" Triple & Automatic Lowering), Box 211, Niles, Mich.
Norton A. O., Inc., 440 Brookline av, Boston, Mass.
Rees Mfg. Co., 7501 Thomas blvd, Pittsburgh, Pa.
Rogers H. A. Co., 87 Walker, New York
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Swett A. L. Iron Works, Medina, N. Y.
TEMPLETON KENLY & CO., LTD. ("Simplex"), 1020 S Central av, Chicago, Ill. *See adv index at end of book*

Jacks (Car Journal)

See Jacks, Car

Jacks (Car Pit)

See Lifts, Motor, Car Pit

Jacks (Car Replacing)

See Jacks, Car

Jacks (Carriage)

See Jacks, Wagon

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6773a—*Jacks (Double Worm Gear Drive)

Rees Mfg. Co., 7501 Thomas blvd, Pittsburgh, Pa.

6773b— Jacks (Emergency)

Duff Mfg. Co., Box 555, N. S., Pittsburgh, Pa.
See adv index at end of book

6774—Jacks (Engine Centering)

McMaster-Carr Supply Co. ("Chicago," for Turning Engine off Centre), 174 N Market, Chicago, Ill.

6775— Jacks (Gas Pumping)

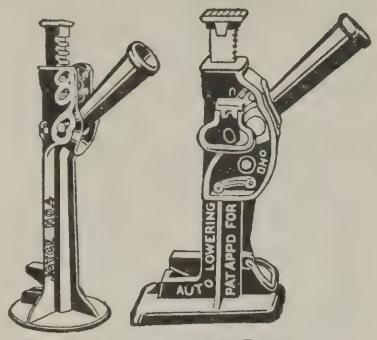
Masseth Packer & Machine Co., Butler, Pa.

6775a— Jacks (Geared)

See also Jacks, Ratchet

Buda Co., Harvey, Ill.
De Huff & Hopkins (Automatic), Morris bldg, Phila., Pa.
Duff Mfg. Co., Box 555, N. S., Pittsburgh, Pa.
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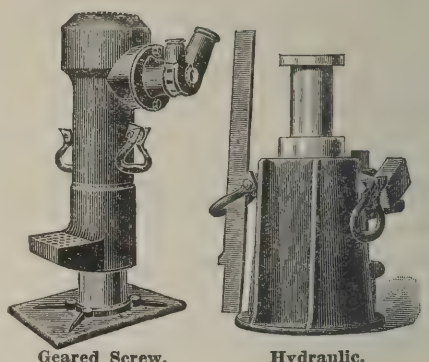
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See adv index at end of book

Templeton Kenly & Co. Ltd. ("Simplex"), 1020 S Central av, Chicago, Ill.
See adv index at end of book

6776— Jacks (Hatters')

Watson L. S. Mfg. Co., Leicester, Mass.

6776a— Jacks (Horizontal)

Duff Mfg. Co., Box 555, N. S., Pittsburgh, Pa.
See adv index at end of book

6777— Jacks (House-Raising)

American Skein & Foundry Co. ("A. S. & F. Co." Press Screws), Racine, Wis.
Buckeye Jack Mfg. Co., Alliance, O.
Duff Mfg. Co., Box 555, N S, Pittsburgh, Pa.
See adv index at end of book
Elite Mfg. Co., Ashland, O.
Illinois Iron & Bolt Co. (Press Screws for House Raising), Carpentersville, Ill.
Joyce-Cridland Co. (The), Dayton, Ohio
See adv index at end of book
McKiernan-Terry Drill Co. ("Atlas"), 17 Park row, New York City
Norton A. O., Inc., 440 Brookline av, Boston, Mass.
Rock Island Mfg. Co., Rock Island, Ill.
Rogers H. A. Co., 87 Walker, New York
See adv index at end of book
Springfield Foundry Co., Springfield, Mass.
Swett A. L. Iron Works, Medina, N. Y.

6778— Jacks (Hydraulic)

Anderson Forge & Machine Co., Detroit, Mich.
Beacon Bronze Co. ("Super"), Beacon, N. Y.
Bethlehem Steel Co. ("Duff Bethlehem"), Bethlehem, Pa.
Continental Supply Co., Post-Dispatch bldg, 1139 Olive, St. Louis, Mo.
De Huff & Hopkins, Morris bldg, Phila, Pa.
Dudgeon Richard ("Universal"), 24 Columbia, New York
Elmes Chas. F. Engineering Works, cor. Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Excello Products Co. ("Hi-Lift"), 1032 N Highland Drive, Los Angeles, Cal.
Henderer's A. L. Sons, Wilmington, Del.
Irving Mfg. & Tool Co. ("Tangye's," Imported, etc), 157 Chambers, New York
Joyce-Cridland Co. (The), Dayton, Ohio
See adv index at end of book
Justice Philip S. & Co. ("Reliance"), 421 Chestnut, Phila., Pa.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Keystone Iron Works., 37th & Santa Fe av, Los Angeles, Cal.
McKiernan-Terry Drill Co., 17 Park row, New York
Union Iron Works, Hoboken, N. J.
WATSON-STILLMAN CO., 38 Church, New York *See adv index at end of book*

6778a— Jacks (Industrial)

Ryerson Jos. T. & Son Inc., 2558 W 16th, Chicago
See adv index at end of book

6778b— Jacks (Journal)

Duff Mfg. Co., Box 555, N. S., Pittsburgh, Pa.
See adv index at end of book

6779— Jacks (Ladder)

Bettcher Stamping & Mfg. Co. (The), (Painters), Clark av, Cleveland, O.
See adv index at end of book
Krewson T. C., 801 Master, Phila., Pa.
Los Angeles Ladder Co. ("Dunlap"), 1630 Central av, Los Angeles, Cal.
Steel Scaffolding Co., Evansville, Ind.

Jacks (Lifting)

See Jacks, Track, Lifting, etc

Jacks (Locomotive)

See Jacks, Screw, Locomotive, Bell Base, etc.

6779a— Jacks (Lever)

Duff Mfg. Co., Box 555, N. S., Pittsburgh, Pa.
See adv index at end of book

Jacks (Log)

See Jacks (Stone, Log, etc.)

6779b— Jacks (Mine)

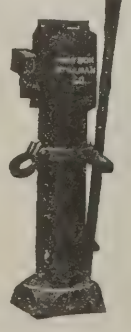
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Duff Mfg. Co., Box 555, N S, Pittsburgh, Pa.
See adv index at end of book
JOYCE-CRIDLAND CO.(THE),("Joyce"), Dayton, Ohio
See adv index at end of book
McKiernan Terry Drill Co., 17 Park Row, New York.
TEMPLETON KENLY & CO., LTD. 1020 S Central av, Chicago, Ill.
See adv index at end of book

6779c— Jacks (Motor Truck)

Duff Mfg. Co., Box 555, N. S., Pittsburgh, Pa.
See adv index at end of book

6780— Jacks (Oil Well)

Dudgeon Richard (Hydraulic), 24 Columbia, New York
Herron R. H. Co., 934 N Alemeda, Los Angeles, Cal.
Jones S. M. Co., Toledo, O.
Joyce-Cridland Co. (The), Dayton, Ohio
See adv index at end of book
Lucey Mfg. Corp., 233 B'way, New York.
For branch offices see Alphabetical Section
McKiernan Terry Drill Co., 17 Park row, New York
National Supply Co., Union Bank bldg, Pittsburgh, Pa.
Norton A. O., Inc., 440 Brookline av, Boston, Mass.
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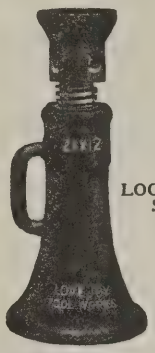
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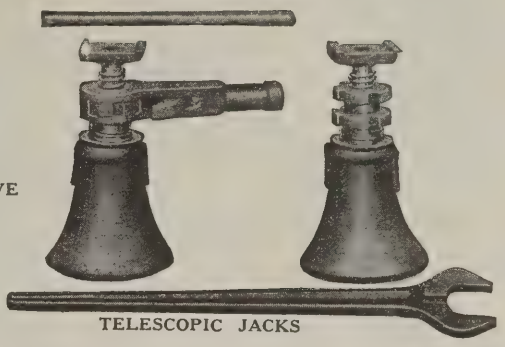
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6781-2—Jacks (Oil Well Casing)

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6783— *Jacks (Pit)

Templeton Kenly & Co. Ltd. ("Simplex"), 1020 S Central av, Chicago, Ill.
See adv index at end of book
WATSON-STILLMAN CO. (Hydraulic), 38 Church, New York
See adv index at end of book

6784-5—Jacks (Planer & Lathe)

Armstrong Bros. Tool Co. ("Armstrong"), 339 N Francisco av, Chicago, Ill.

Jacks (Pneumatic Pit)

See Lifts, Motor, Car Pit

6785a—Jacks (Pole Pulling)

Duff Mfg. Co., Box 555, N. S., Pittsburgh, Pa.
See adv index at end of book

6786— Jacks (Pulling)

Channon Jas. H. Mfg. Co. (Ratchet), 227 W Erie, Chicago, Ill.
DUFF MFG. CO., Box 555, N. S., Pittsburgh, Pa.
See adv index at end of book
Gracey, R. & Sons, 115 First av, Pittsburgh, Pa.
Joyce-Cridland Co. (The), (Pole and Emergency), Dayton, Ohio
See adv index at end of book
TEMPLETON KENLY & CO., LTD. ("Simplex" Pole Pulling), 1020 S Central av, Chicago, Ill.
See adv index at end of book

6787-8— Jacks (Pumping)

See Also Well Drilling Machines
American Well Works, The (Geared), 110 N Broadway, Aurora, Ill.
See adv index at end of book
Appleton Mfg. Co., Batavia, Ill.
Associated Mfrs. Co. ("Amanco"), Waterloo, Ia.
Baker Mfg. Co., Evansville, Wis.
Brunner Machy. Co., Peru, Ill.
Butler Co., Butler, Ind.
Cedar Rapids Foundry & Machine Co., Cedar Rapids, Ia.
Challenge Co. ("Challenge," "Dandy"), Batavia, Ill.
Chamberlain Machine Works ("Chamberlain"), Waterloo, Ia.
Charter Gas Engine Co. ("Sterling"), Sterling, Ill.
Chicago House Wrecking Co., of Minn. Inc., 803 Fillmore av, St. Paul, Minn.
Clark & Norton Mfg. Co., Wellsville, N. Y.
Crestline Mfg. Co., Crestline, O.
Cushman Motor Works, Lincoln, Neb.
Davis-Hansen Co., Oshkosh, Wis.
Dempster Mill Mfg. Co. ("Dempster"), Beatrice, Neb.
Douglas W. & B., Middletown, Conn.
Duplex Mfg. Co. ("Duplex"), Superior, Wis.
Emerson-Brantingham Co. ("E. B."), Rockford, Ill.
Enterprise Iron Wks., Albert Lea, Minn.
Fairbanks, Morse & Co. ("Fairbanks Morse," "Handy," "Eclipse"), 900 S Wabash av, Chicago, Ill.
Flint & Walling Mfg. Co. ("Hoosier"), Kendallville, Ind.
FREEMAN MFG. CO., Racine, Wis.
See adv index at end of book
Gehl Bros. Mfg. Co., West Bend, Wis.
Gilson Mfg. Co., Port Washington, Wis.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Guarantee Engng. & Mach. Co. ("G. E. & M. Co."), 1001H N Main, Los Angeles, Cal.
Hayes Pump & Planter Co., Galva, Ill.
Hudson Mfg. Co., 324 3rd av N, Minneapolis, Minn.
Humphryes Mfg. Co., Mansfield, O.
International Harvester Company of America, Inc., Harvester bldg, Chicago, Ill.
Jones W. A. Foundry & Machine Co., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book
Joyce-Cridland Co., The, Dayton, Ohio
See adv index at end of book
Lane Bros. Co., Poughkeepsie, N. Y.
Leader-Trahern Co. ("Trahern"), Rockford, Ill.
McDonald A. Y. Mfg. Co. Dubuque, Ia.
Marseilles Works of Deere & Co., East Moline, Ill.
Mast, Foos & Co. ("Buckeye"), Springfield, O.
Moore Plow & Imp. Co., Greenville, Mich.
Myers F. E. & Bro., 950 Orange, Ashland, O.
See adv index at end of book
New Way Motor Co., Lansing, Mich.
New Winona Mfg. Co., Winona, Minn.
Norris W. C. Tulsa, Okla.
Perkins Wind Mill Co., Mishawaka, Ind.
Peters Pump Co., Kewanee, Ill.
Plattner-Yale Mfg. Co., Lincoln, Neb.
Red Jacket Mfg. Co., Davenport, Ia.
San Antonio Machine & Supply Co., San Antonio, Texas
Spang & Co., Butler, Pa.
Sparta Iron Works Co. (Geared), Sparta, Wis.
Steiner M. & Co., Dayton, O.
Stover Mfg. & Engine Co. ("Ideal"), Freeport, Ill.
Sun-Power Engine Co., Detroit, Mich.
Thompson Plow & Engine Works, Beloit, Wis.
Turner Mfg. Co. ("Simplicity"), Port Washington, Wis.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Waterloo Gasoline Engine Co., Waterloo, Iowa

6789— Jacks (Pushing)

Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Duff Mfg. Co., Box 555, N. S., Pittsburgh, Pa.
See adv index at end of book
Gracey, R. & Sons, 115 First av, Pittsburgh, Pa.
Joyce-Cridland Co., The, Dayton, Ohio
See adv index at end of book
McKiernan-Terry Drill Co. ("Doughboy"), 17 Park row, New York
Templeton Kenly & Co. Ltd. ("Simplex"), 1020 S Central av, Chicago, Ill.
See adv index at end of book

6789a— Jacks (Radio)

CARTER RADIO CO., 209 S State, Chicago
Scovill Mfg. Co. (Telephone Parts), Waterbury, Conn.
See adv index at end of book

Jacks (Railroad)

See Jacks, Car; also Jacks, Track

6790— Jacks (Ratchet)

American Skein & Foundry Co. (Bell Base & Tripod Ratchet Jack Screws), Racine, Wis.
Buckeye Jack Mfg. Co., Alliance, O.
Buda Co., Harvey, Ill.
Channon, James H. Mfg. Co. ("Pearson"), 227H W. Erie, Chicago, Ill.
DUFF MFG. CO., Box 555, N S, Pittsburgh, Pa. *See adv index at end of book*
Gracey, R. & Sons, 115 First av, Pittsburgh, Pa.
Illinois Iron & Bolt Co. (Ratchet Jack Screws), Carpentersville, Ill.
JOYCE-CRIDLAND CO., THE, Dayton, O. *See adv index at end of book*
Justice Philip S. & Co. (Ball Bearing Screw), 421 Chestnut, Philadelphia, Pa.
Kalamazoo Railway Supply Co. (Also Friction), Kalamazoo, Mich.
Lane Bros. Co., Poughkeepsie, N. Y.
Lovejoy Tool Works (Cone-Bearing for Car Inspectors), 319 W Ohio, Chicago, Ill.

(Continued on following page)

DUFF JACKS



Genuine Barrett Automatic Lowering Jack

Our complete line of Jacks for use in upright, horizontal and inclined positions, includes over 500 different styles, sizes and types. Duff Jacks are used in every country in the world, in every line of industry—railroading, shipbuilding, bridge construction, contracting, public service, mining, manufacturing, engineering, ordnance, etc.

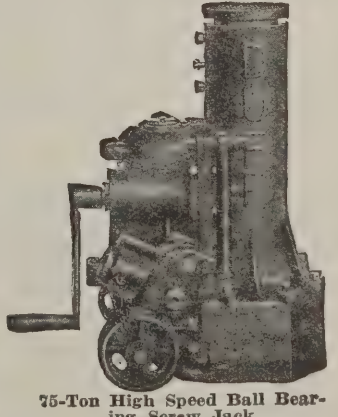
Some of the Standardized Types of Duff Jacks

Barrett Trip or Track Jacks,
Emergency Car Jacks for Street Railways,
Ball Bearing Journal Jacks,
Barrett Ratchet Lever Jacks,
High Speed Ball Bearing Screw Jacks,
Motor Armature Lifts,
Automobile Jacks.
Trench Braces

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75-Ton High Speed Ball Bearing Screw Jack

Jacks (Ratchet)—Continued

Millers Falls Co. ("Millers Falls"), Dept H, Millers Falls, Mass.
Munnsville Plow Co. (Ratchet Jack Screws), Munnsville, N. Y.
National-Standard Co. ("Standard"), Box 211, Niles, Mich
Norton A. O., Inc., 440 Brookline av, Boston, Mass.
Oliver-Barth Jack Co. ("Barth," "Peerless," "Oliver Samson," "Weiler"), 348-352 Milwaukee, Milwaukee, Wis.
Pittsburgh Trolley & Forge Co., Pittsburgh, Pa.
Rock Island Manufacturing Co., Rock Island, Ill.
Rogers H. A. Co., 87 Walker, New York
See adv index at end of book
TEMPLETON KENLY & CO., LTD. ("Simplex"), 1020 S. Central av, Chicago, Ill. *See adv index at end of book*
Swett A. L. Iron Works, Medina, N. Y.
Walker Mfg. Co., Racine, Wis.

Jacks (Reel)

See Jacks, Cable Reel

6791— Jacks (Robie)

Richie Bros. Testing Machine Co., 1424 N 9th, Philadelphia, Pa.
Scott, Sugden & Lamont, Monadnock bldg., San Francisco, Cal.

6792—Jacks (Screw, Locomotive, Bell Base, Etc.)

American Skein & Foundry Co. ("A. S. & F. Co." Locomotive Jack Screws), Racine, Wis.
Buckeye Jack Mfg. Co., Alliance, O.
Buda Co. ("Postop"), Harvey, Ill.
De Huff & Hopkins (Screw), Morris bldg, Philadelphia, Pa.
Deweese F. M. & Co. ("Mosher"), Chillicothe, O.
DUFF MFG. CO., Box 555, N. S., Pittsburgh, Pa. *See adv index at end of book*
Illinois Iron & Bolt Co. ("I. I. & B. Co." Tee Top, Car Box, Bell Base Ratchet, Tripod Ratchet, Ratchet Carrying, Truck & Wagon, Pulling, Telescopic, etc), Carpentersville, Ill.
Irving Mfg. & Tool Co., 157 Chambers, New York
Janney & Co., Montgomery, Ala.
JOYCE-CRIDLAND CO. THE (Geared) Dayton, Ohio
See adv index at end of book
Justice Philip S. & Co. (Ball Bearing), 421 Chestnut, Phila., Pa.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Lovejoy Tool Works ("Ball's Telescopic & Cone-Bearing Ratchet Screw"), 319 W Ohio, Chicago, Ill.
See adv index at end of book
McKiernan Terry Drill Co., 17 Park Row, New York
McKinnon Iron Works Co. (Nick-I-Works Co.), Ashtabula, O.
McMaster-Carr Supply Co. ("Chicago," Engine Jack), 174 N Market, Chicago
Millers Falls Co., Dept H, Millers Falls, Mass.
Munnsville Plow Co. (Ratchet Jack Screws), Munnsville, N. Y.
New London Vise Works ("Peerless" Bell Bottom), New London, Conn.
Norton A. O. Inc. (Ball Bearing Ratchet, Screw & Locomotive), 440 Brookline av, Boston, Mass.
Oliver Mfg. Co. ("E-Z"), 326 S Desplaines, Chicago, Ill.
Rock Island Mfg. Co., Rock Island, Ill.
Rogers H. A. Co., 87 Walker, New York
See adv index at end of book
Swett A. L. Iron Works, Medina, N. Y.
Supple & Walker Machine Works, 177 E Water ft of E Yornhill, Portland, Ore.
Templeton Kenly & Co. Ltd. ("Simplex"), 1020 S Central av, Chicago, Ill.
See adv index at end of book
WATSON-STILLMAN CO., 33 Church, New York *See adv index at end of book*

6792a— Jacks (Ship)

Rees Mfg. Co., 7501 Thomas blvd, Pittsburgh, Pa.
Templeton Kenly & Co. Ltd. ("Simplex"), 1020 S Central av, Chicago, Ill.
See adv index at end of book

6793—Jacks (Stone, Log, etc.)

Allis-Chalmers Mfg. Co. (Log), Milwaukee, Wis. *See adv index at end of book*
Brunner & Lay (Stone), 570 W Polk, Chicago, Ill.
Buckeye Jack Mfg. Co., Alliance, O.
Burnett Fdry. & Machine Works, Ltd., Petoskey, Mich.
Channon Jas. H. Mfg. Co. ("Union"), 227 W Erie, Chicago, Ill.
Duff Mfg. Co., Box 555, N. S., Pittsburgh, Pa.
See adv index at end of book
Garratt W. T. & Co., 299 Fremont, San Francisco, Cal.
Irving Mfg. & Tool Co., 157 Chambers, New York
Joyce-Cridland Co., The, Dayton, Ohio
See adv index at end of book
Kelly L. J. Mfg. Co. ("Kelly's Albany"), Albany, N. Y.
Klemm E. R., 1453 Austin av, Chicago, Ill.
Lane Mfg. Co. (Log), Montpelier, Vt.
Lincoln Iron Works (Geared Lifting), Rutland, Vt.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Moltz Jacob J., Williamsport, Pa.
Murray D. J. Mfg. Co. (Iron Frame, etc), Wausau, Wis.
O'Leary Arthur J. & Son Co., 65th & S 57th av, Chicago, Ill.
Phoenix Mfg. Co., Eau Claire, Wis.
Rogers H. A. Co., 87 Walker, New York
See adv index at end of book
Southern Engine & Boiler Mfg. Co., Jackson, Tenn.
Templeton Kenly & Co. ("Simplex" Log), 1020 S Central av, Chicago, Ill.
See adv index at end of book

6794— Jacks (Telephone)

Adams Morgan Co., Upper Monticlair, N. J.
Air-Way Elec. Appliance Corp., 618 B'way, Toledo, O.
Am. Electric Co., 6401 S State, Chicago, Ill.
Am. Radio & Research Corp. ("Amrad"), 203 College, Medford Hillside, Mass.
Auth Electrical Specialty Co., 422 E 53rd, New York
Barnes The Wallace Co., Bristol, Conn.
See adv index at end of book
Buckeye Jack Mfg. Co. ("Buckeye"), Alliance, O.
Bunnell J. H. & Co., 32 Park pl., New York
Cardwell Allen D. Mfg. Co., 81 Prospect, Brooklyn, N. Y.
CARTER RADIO CO., 209 S State, Chicago
Chapman Machine Corp., Terryville, Conn.
See adv index at end of book
Conn, Tel. & Elec. Co., Meriden, Conn.
Federal Tel. & Tel. Co. ("Federal"), 1733 Elmwood, Buffalo, N. Y.
Firth John & Co. ("Firco"), 1 Pershing Square, New York
Freed-Eisemann Radio Corp., Sperry bldg, Brooklyn, N. Y.
Frost Herbert H. ("Frost-Radio"), 154 W. Lake, Chicago, Ill.
Gasket Supply Co., 1729 Ludlow av, Phila., Pa. *See adv index at end of book*
Grebe A. H. & Co., Inc., 70 Van Wyck blvd, Jamaica, N. Y.
Howard Radio Co., Inc., 469 E Ohio, Chicago
See adv index at end of book
Kellogg Switchboard & Supply Co., 1066 W. Adams, Chicago, Ill.
Kilbourne & Clark Mfg. Co. ("K.&C."), 101 Spokane, Seattle, Wash.
Pacant Electric Co., 22 Park pl, New York
Radio Spec. Co., 96 Park pl, New York
Seiss Mfg. Co., Phillips av, & N. Y. C. R. R., Toledo, O.
Ship Owners Radio Service (Dirs.), 80 Washington, New York
Stanley & Patterson Inc. ("De Veau"), West & Hubert, New York
STROMBERG CARLSON TELEPHONE MFG. CO., 1050 University av, Rochester, N. Y.
Victory Radio-Electro Co., 561 Howard, San Francisco, Cal.
Waterbury Button Corp., 831 S Main, Waterbury, Conn.
See adv index at end of book
Western Elec. Co., 195 B'way, New York
Wilcox Laboratories, 2208 E. Mich. av, Lansing, Mich.
Wireless Improvement Co., 66 York, Jersey City, N. J.
Wireless Shop, 1262 W 2nd, Los Angeles, Cal.

6794a— Jacks (Telescope)

Duff Mfg. Co., Box 555, N. S., Pittsburgh, Pa. *See adv index at end of book*

6794b—Jacks (Timber Brace)

Duff Mfg. Co., Box 555, N. S., Pittsburgh, Pa. *See adv index at end of book*

6794c—Jacks (Tie Spreader)

Duff Mfg. Co., Box 555, N. S., Pittsburgh, Pa. *See adv index at end of book*

6795—Jacks (Track, Lifting, Etc.)

American Skein & Foundry Co. (Locomotive, Car Box & Ratchet Jack Screws), Racine, Wis.
Black & Decker Mfg. Co. (Leadometer), Townson Height, E Penn av, Baltimore, Md.
Buckeye Jack Mfg. Co. ("Buckeye"), Alliance, O.
Buda Co., Harvey, Ill.
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Cooley-Wright Mfg. Co., Waterbury, Vt.
Crerar, Adams & Co. ("Jenne"), 359 E Erie, Chicago, Ill.
Deweese F. M. & Co. ("Mosher"), Chillicothe, O.
Dudgeon Richard (Hydraulic), 24 Columbia, New York
DUFF MFG. CO., Box 555, N S, Pittsburgh, Pa. *See adv index at end of book*
Heebner & Sons (Power Only), Lansdale, Pa.
Henderer's A. L. Sons, Wilmington, Del.
Hodgkins J. F. Co., Gardiner, Me.
Idol Track Liner Co. The, 717 S Wells, Chicago
Illinois Iron & Bolt Co., Carpentersville, Ill.
Irving Mfg. & Tool Co. 157 Chambers, New York
Joyce-Cridland Co., The ("Joyce" Pattern), Dayton, Ohio
See adv index at end of book
Justice Philip S. & Co. (Sure Drop), 421 Chestnut, Phila., Pa.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Kelly L. J. Mfg. Co. ("Albany"), Albany, N. Y.
Klemm E. R., 1453 Austin av, Chicago, Ill.
Manning, Maxwell & Moore, Inc., 100 E 42d, New York
See adv index at end of book
National-Standard Co. ("Standard," Trip & Automatic Lowering), Box 211, Niles, Mich.
New London Vise Works, New London, Conn.
Norton A. O. Inc. ("Sure Drop," Ball Bearing), 440 Brookline av, Boston, Mass.
Oliver-Barth Jack Co. ("Barth," "Peerless," "Samson," "Oliver," "Weiler"), 348-352 Milwaukee, Milwaukee, Wis.
Peerless Tool Co. ("Unitool"), 3656 Lincoln, Chicago, Ill.
Pratt Wm. E. Mfg. Co. ("Acme"), 35 W Lake, Chicago, Ill.
Rock Island Mfg. Co., Rock Island, Ill.
Rogers H. A. Co., 87 Walker, New York
Sims & Gray Iron Works ("Davis"), 550 Bryant, San Francisco, Cal.
Star Jack Co., Bloomfield, Ind.
Swett A. L. Iron Works, Medina, N. Y.
TEMPLETON KENLY & CO., LTD. ("Simplex"), 1020 S Central av, Chicago, Ill. *See adv index at end of book*
Union Jack Co., Bloomfield, Ind.
Verona Tool Works, Plum, Pittsburgh, Pa.
Victor Mfg. Co., Bloomfield, Ind.
Weaver Mfg. Co. ("Twin"), Springfield, Ill.

6796—Jacks (Traversing or Traveling)

De Huff & Hopkins (Hydraulic), Morris bldg, Phila., Pa.
Dudgeon Richard (Hydraulic), 24 Columbia, New York
Duff Mfg. Co., Box 555, N S, Pittsburgh, Pa.
See adv index at end of book
Joyce-Cridland Co., The, Dayton, Ohio
See adv index at end of book
McKiernan Terry Drill Co. ("Doughboy"), 17 Park Row, New York
Norton A. O., Inc., 440 Brookline av, Boston, Mass.

6796a—Jacks (Trench Brace)

Duff Mfg. Co., Box 555, N. S., Pittsburgh, Pa. *See adv index at end of book*

6796b— Jacks (Trip)

Duff Mfg. Co., Box 555, N. S., Pittsburgh, Pa. *See adv index at end of book*

6796c— Jacks (Truck)

See also Jacks (Automobile)
Joyce-Cridland Co. (The), Dayton, Ohio
See adv index at end of book
Oliver-Barth Jack Co. ("Barth," "Peer-Machine Tool), 38 Monroe, Torringwaukee, Milwaukee, Wis.
Templeton Kenly & Co. Ltd. ("Simplex"), 1020 S Central av, Chicago, Ill.
See adv index at end of book

6797— Jacks (Universal)

Borgeson Mfg. Co., Inc. ("Borgeson" for Machine Tool"), 38 Monroe, Torrington, Conn.
Duff Mfg. Co., Box 555, N S, Pittsburgh, Pa.
See adv index at end of book
Templeton Kenly & Co. Ltd. ("Simplex"), 1020 S Central av, Chicago, Ill.
See adv index at end of book

6798— Jacks (Wagon)

See also Jacks, Automobile
American Skein & Foundry Co. ("A. S. & F. Co." Jack Screws), Racine, Wis.
Ashland Products Co., Ashland, O.
Buch's A. Sons Co., Elizabethtown, Pa.
Buffum Tool Co. ("Reliable"), South Side Louisiana, Mo.
Chicago Steel Foundry Co., 3701 S Kedzie av, Chicago, Ill.
Covert Mfg. Co. ("Covert's"), Troy, N. Y.
Covert Saddlery Works ("Victor," "Daisy"), Interlaken, N. Y.
Cutaway Harrow Co., Higganum, Conn.
Deweese F. M. & Co. ("Mosher"), Chillicothe, O.
Elite Mfg. Co. ("Reliable"), Ashland, O.
Hughes & Smythe, Galena, O.
Illinois Iron & Bolt Co. (Jack Screws), Carpentersville, Ill.
Joy Samuel S. ("New Idea"), Rockingham, N. H.
Joyce-Cridland Co., The, Dayton, Ohio
See adv index at end of book
Kelly L. J. Mfg. Co. ("Samson"), Albany, N. Y.
Klemm E. R., 1453 Austin av, Chicago, Ill.
Lane Bros. Co. ("H-C" Steel), Poughkeepsie, N. Y.
Lansing Co. ("Miller," "Baltimore"), Lansing, Mich.
Lyon Iron Works, Greene, N. Y.
Metropolis Bending Co., Metropolis, Ill.
Millers Falls Co., Dept H, Millers Falls, Mass.
Moulton C. W. H. Co., Somerville, Mass.
Mountville Mfg. Co., Mountville, Pa.



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National Tubular Axle Co., Emigsville, Pa.
Oliver-Barth Jack Co. ("Barth," "Peerless," "Samson," "Oliver," "Practical"), 348-352 Milwaukee, Milwaukee, Wis.
Peppler Thomas Son & Co., Hightstown, N. J.
Pioneer Pole & Shaft Co. ("Winter"), Piqua, Ohio
Porter J. E. Co. ("Porter's" Never-Slip), Ottawa, Ill.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill
R I. Malleable Iron Works, Hills Grove, R. I.
Richards-Wilcox Mfg. Co. ("Tiger," "Wilcox" & "Richards" Handy), Aurora, Ill. *See adv index at end of book*
Rogers H. A. Co., 87 Walker, New York *See adv index at end of book*
Steel Scaffolding Co. (Wagon & Carriage Wheel), Evansville, Ind.
Swett A. L. Iron Works, Medina, N. Y.
Templeton Kenly & Co. Ltd. ("Simplex"), 1020 S Central av, Chicago, Ill. *See adv index at end of book*
Torrey Bros. Co. ("Eclipse," "Champion"), Central Village, Conn.
Whitehurst R. W. Mfg. Corp. ("Boss"), Norfolk, Va.
Woodruff W. W. & Sons Co., Mt. Carmel, Conn.
Young Bros. Co., 2 Brooks, Worcester, Mass.

6798a—Jacks (Wall Receptacle Type)

CARTER RADIO CO., 209 S State, Chicago

6799— Jacks (Wrecking)

Buckeye Jack Mfg. Co. ("Buckeye"), Alliance, O.
DUFF MFG. CO., Box 555, N S, Pittsburgh, Pa. *See adv index at end of book*
Joyce-Cridland Co., The, Dayton, Ohio *See adv index at end of book*
Kimmerle Bros. ("Kimkin"), 226 11th, San Francisco, Cal.
Rogers H. A. Co. 87 Walker, New York *See adv index at end of book*
Templeton Kenly & Co. Ltd. ("Simplex"), 1020 S Central av, Chicago, Ill. *See adv index at end of book*

6800—Jail & Cell Work (Steel)

Barnum E. T. Wire & Iron Wks. (Steel Cells), 501-23 Cass av, Detroit, Mich.
Brombacher Iron Works, 55555 Magnolia, Los Angeles, Cal.
Capital Iron Works Co., Topeka, Kans.
Covington Arch'l Iron Works, Covington, Ky.
Crown Iron Works Co., 1229 Tyler, Minneapolis, Minn.
Dyer Bros. Golden West Iron Works, 17th & Kansas, San Francisco, Cal.
East Iron & Machine Co., 351 E Market, Lima, O.
HALL'S SAFE CO., P. O. Box 846, Cincinnati, O. *See adv index at end of book*
Harrigan Safe Co. (Small), Kansas City, Mo.
Hassell Iron Works Co., Colorado Springs, Colo.
Hastings Fdry. & Iron Works, Hastings, Neb.
Hermann Safe Co., 216-24 Fremont, San Francisco, Cal.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa. *See adv index at end of book*
Lane Thos. Co., Farmers Bank bldg, Pittsburgh, Pa.
Mack Iron & Wire Works Co., Sandusky, O.
Manly Jail Works, Dalton, Ga.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Meyers Fred J. Mfg. Co., Hamilton, O.
National Iron & Wire Co., Cleveland, O.
Pauly Jail Building Co., 2215 De Kalb, St. Louis, Mo.
Portage Iron & Wire Co., 1131 Johnston, Akron, O.
Remppis W. F. Iron Works, 7th & Chestnut, Reading, Pa
Roanoke Iron & Bridge Works, Inc., Roanoke, Va.
ST. PAUL FOUNDRY CO., Como av & Mackubin, St. Paul, Minn. *See adv index at end of book*
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill. *See adv index at end of book*
Smith Fence & Iron Co., Waynesboro, Pa.
Snead Arch'l Iron Works, Louisville, Ky.
Southern Steel Co., San Antonio, Tex.
Southwest Wire & Iron Works Co., 1722 Tracy, Kansas City, Mo.
Standard Iron & Wire Works, 510 E 10th, Chattanooga, Tenn.
Stewart Iron Works Inc., 237 Stewart blk, Cincinnati, Ohio *See adv index at end of book*
Van Dorn Iron Works Co. (The) (Burglar-Proof, Prison Cells, etc), 2700 E 79th, Cleveland, O. *See adv index at end of book*
Verdeckberg Iron & Wire Works Co., 1109 California, Denver, Colo.
Whitehead & Kales Iron Works, Beecher & M C. R. R., Detroit, Mich.

6801— Janitors' Supplies

Barnett & Brown (Jobbers), 193 Pearl, New York
Barth L. Son (Dlrs.), Cooper sq., New York
Boller Peter Mach. Wks. ("Boller"), 124 N. Curtis, Chicago, Ill.
Central Supply Co., 28 S William, New York
Continental Mfg. Co., Van Buren & Draper, Indianapolis, Ind.
Dittman Mfg. Co., 912 Western av, Seattle, Wash.
Easterday Supply Co. ("Blue Cross"), 936 Howard, San Francisco, Cal.
Holcomb J. I. Mfg. Co., 1543 Van Buren, Indianapolis, Ind.
Johnson V. E., Tacoma, Wash.
Lewis Samuel, 73 Barclay, New York
Northwest Chemical & School Supply Co., E 724 Sprague av, Spokane, Wash.
Pacific Chemical Co., 1421 W Main, Los Angeles, Cal.
Rider-Upright Mfg. Co., Inc. ("Ruco"), 926 S Main, Los Angeles, Cal.
Seattle Waxine Co., 104 Westlake av, N. Seattle, Wash.
Stella Soap & Chemical Co., 20522 N Halsted, Chicago, Ill.
U. S. Chemical Co. (All Kinds), Greenville, Ohio.
Weber C. F. & Co., 601-9 Mission, San Francisco, Cal.
Wilson Ludwig Brush & Supply Co., 638 S Clark, Chicago, Ill.

6801a— *Japan (Water)

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*

6802— Japanned Ware Mfrs.

Crunden-Martin Mfg. Co., 2d & Gratiot, St. Louis, Mo.
Federal Enameling & Stamping Co., Thompson & Chartiers, Pittsburgh, Pa.
Kreamer A., Inc., 307 Kent av, Brooklyn, N. Y.
Reed Mfg. Co. ("Reed"), Newark, N. Y.
Schlueter Mfg. Co. ("DeLuxe"), St. Louis, Mo.
Stratton & Terstegge Co., 15th & Main, Louisville, Ky.
Thurnauer G. M. Co. (Candlesticks), 6 E 20th, New York

6803— Japanned Wood

Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

6804— Japans

See also Varnish Manufacturers
Ault & Wiborg Co., 432 E. New, Cincinnati, Ohio
Bennett Varnish Co ("Carbeno"), 2215 Elston av, Chicago, Ill.
Du Pont E. I. de Nemours & Co., Inc., Paint & Varnish Dept (Colors. See Adv. at Paint), 3500 Grays Ferry rd, Phila., Pa. *See adv index at end of book*
Elmendorf Varnish Co., 841 Larrabee, Chicago, Ill.
Hilo Varnish Corp. ("Hilo"), Marcy & Flushing avs, Brooklyn, N. Y.
IMPERVIOUS VARNISH CO., 421 Wood Pittsburgh, Pa.
Thomson Wood Finishing Co., 529 N 3rd, Phila., Pa. *See adv index at end of book*

6805— Jardinieres

Brandenstein M. J. & Co. (Imp.), 665 3rd, San Francisco, Cal.
Burlington Willow Ware Shop (Basket), Burlington, Iowa
Crescent Brass Products Co., 8410H Lake av, Cleveland, Ohio
Farber S W (Brass & Copper), 147 S 5th, Brooklyn, N. Y.
Mono-Service Co. (Wood Fibre Decorated), Verona av & Oraton, Newark, N. J.
Ray Geo. A. Mfg. Co. (Old Brass Finish, etc.), 1495 Niagara, Buffalo, N. Y.
Virden Co., Ashland rd & Longfellow, Cleveland, O.

6806— Jars (Acid)

See also Acid Vessels
Co-operative Glass Co., Richmond & Daly, Pa.
Knight Maurice A. (Acid Proof), Akron, O.
Maddock John & Sons (White Vitreous or Porous Earthenware), Trenton, N. J.
Robinson Clay Product Co., Akron, O.

6807— Jars (Battery, Glass)

Cambridge Glass Co., Cambridge, O.
Canton Glass Co., Marion, Ind.
Corning Glass Works ("Nonex"), Corning, N. Y.
Cumberland Glass Mfg. Co., Bridgeton, N. J.
Gayner Glass Works, Salem, N. J.
Gillinder & Sons, State & Devereaux, Philadelphia, Pa.
Illinois Glass Co., Alton, Ill.
Salem Glass Works, Salem, N. J.
United States Glass Co., S 9th & Bingham, Pittsburgh, Pa.
Whitall Tatum Co., 43 Barclay, New York

6808—Jars (Battery, Rubber)

American Hard Rubber Co., 9 Mercer, New York
Brunswick-Balke-Collender Co., 29 W 32nd, New York
Consumers' Rubber Co. ("Euclid"), 1302 Ontario, Cleveland, O.
Goodrich B. F. Rubber Co., Akron, O.
India Rubber Co., New Brunswick, N. J.
Luzerne Rubber Co., Trenton, N. J.
Stokes Jos. Rubber Co., Trenton, N. J.
U. S. Rubber Co. (Hard), 1790 Broadway, New York. *See adv index at end of book*

"U. S."
HARD RUBBER
BATTERY JARS
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

6809—Jars (Battery, Vitrified)

Maddock John & Sons (Glazed or Unglazed), Trenton, N. J.

6809a— *Jars (Fibre)

NATIONAL PAPER PRODUCTS CO., 528 Battery, San Francisco, Cal. *See adv index at end of book*

6810— Jars (Fruit)

Atlantic Bottle Co., 90 W B'way, New York
Ball Bros. Co. ("Ball Perfect Mason," "Ball Ideal," "Ball Improved," "Ideal Mason," "Sure Seal"), Munice, Ind.
Co-operative Flint Glass Co., Beaver, Pa.
Co-operative Glass Co., Richmond & Daly, Los Angeles, Cal.
Federal Glass Co. (Mason & Lightning), Columbus, O.
Flaccus C. L. Glass Co., Empire bldg, Pittsburgh, Pa.
Gayner Glass Works, Salem, N. J.
Hart Glass Mfg. Co., Dunkirk, Ind.
Hawley Glass Co., Hawley, Pa.
Hazel Atlas Glass Co. ("Atlas E. Z. Seal" Mason & Other Makes Packers), Dept H, 16th & Market, Wheeling, W. Va.
Illinois Glass Co., Alton, Ill.
Illinois Pacific Glass Co., 15th & Folsom, San Francisco, Cal.
Imperial Glass Co., Charleroi, Pa.
Jeannette Glass Co., Jeannette, Pa.
Jenkins D. C. Glass Co. (Glass), Kokomo, Ind.
Kearns-Gorsuch Bottle Co., Zanesville, O.
Kerr Glass Mfg. Co., Sand Springs, Okla.
McLaughlin Glass Co., 1900 E 52nd, Los Angeles, Cal.
Mason Jar Glass Cap Co., Anderson, Ind.
Pacific Coast Glass Works, 7th & Irwin, San Francisco, Cal.
Parker Bros. Glass Mfg. Co., Bridgeton, N. J.
Penna. Glass Co. (Flint), Anderson, Ind.
Salem Glass Works, Salem, N. J.
Schram Glass Mfg. Co., Hillsboro, Ill.
Southern California Glass Co., 2501 E 26th, Los Angeles, Cal.
Tygart Valley Glass Co., Grafton, W. Va.
Victor Jar Co., 1321 Monroe, Detroit, Mich.
Whitney Glass Works, Glassboro, N. J.

6811— Jars (Glass)

Co-operative Glass Co., Richmond & Daly, Los Angeles, Cal.
Federal Glass Co. ("Putnam's" Lightning Screw Top), Innes av, Columbus, O.
Foster A. M. & Co., 6 E Lake, Chicago, Ill.
Gem Stopper Co. ("Gesco"), 2120 Nicholas, Phila., Pa.
Hart Glass Mfg. Co. (Preserve, Pickle & Mustard), Dunkirk, Ind.
Illinois Glass Co. (Cigar, Cold Cream, Ointment, Butter, Preserve, etc), Alton, Ill.
Imperial Glass Co., Bellaire, O
Jeanette Glass Co., Jeannette, Pa.
Jenkins D. C. Glass Co., Kokomo, Ind.
McKee Glass Co. (Candy), Jeannette, Pa.
McLaughlin Glass Co., 1900 E 52nd, Los Angeles, Cal.
Metal Package Corp. of N. Y., 110 E 42nd, New York *See adv index at end of book*
Norfolk Glass Mfg Corp. ("Anchor"), Norfolk, Va.
Pacific Coast Glass Works ("P. C."), 7th & Irwin, San Francisco, Cal.
Reed, Evan L. Mfg. Co. (Candy), Tipton, Danville, Ill.
Sneath Glass Co. (Spice, etc), Hartford, City, Ind.
Southern California Glass Co., 2501 E 26th, Los Angeles, Cal.
Tygart Valley Glass Co., Grafton, W. Va.
Victor Jar Co., 1321 Monroe, Detroit, Mich.
Wheaton T. C. Co., Millville, N. J.
Whitall Tatum Co., 48 Barclay, New York

Jars (Kitchen Cabinet)

See Jars, Glass

6812— Jars (Milk)

Binghamton Glass Co., Binghamton, N. Y.
Chattanooga Bottle & Glass Mfg. Co., Alton pk, Chattanooga, Tenn.
Co-operative Glass Co., Richmond & Daly, Los Angeles, Cal.
Essex Glass Co., Mount Vernon, O.
Fairmont Glass Works, Keystone & Belt, Indianapolis, Ind.
Flaccus C. L. Glass Co., Tarentum, Pa.
Greensburg Glass Co., Greensburg, Pa.
Hamilton J. T. & A., 26th & A. V R. R., Pittsburgh, Pa.
Illinois Glass Co., Alton, Ill.
Illinois Pacific Glass Co., 15th & Folsom, San Francisco, Cal.
Imperial Glass Co., Charleroi, Pa.
Jeannette Glass Co., Jeannette, Pa.
Jenkins D. C. Glass Co., Kokomo, Ind.
Lockport Glass Co, Lockport, N. Y.
Marion Flint Glass Co., Marion, Ind.
Obear-Nester Glass Co., St. Louis, Mo.
Southern California Glass Co., 2501 E 26th, Los Angeles, Cal.
Thatcher Mfg. Co., Elmira, N. Y.
Whitney Glass Wks., Glassboro, N. J.
Winslow Glass Co., Columbus, O.

6813— Jars (Paste)

Co-operative Glass Co., Richmond & Daly, Los Angeles, Cal.
Smith L. E. Glass Co., Mt. Pleasant, Pa.

6813a— Jaws (Face Plate)

Bullard Machine Tool Co., Bridgeport, Conn.
Cushman Chuck Co., Dept. H, Hartford, Conn.
Hoggson & Pettis Mfg. Co., 161H Brewery, New Haven, Conn.
Horton, E. & Son, Co., Dept. H, Windsor Locks, Conn.
Skinner Chuck Co., Dept. H, New Britain, Conn.
Whiton D. E. Mfg. Co., New London, Conn.

6814—Jets & Nozzles (Acid Proof)

Duriron Castings Co. ("Duriron"), Dayton, O.

6815-6—Jewels (Scientific Instruments)

American Oil & Supply Co., 238 Wilson av, Newark, N. J.
Bache, Semon & Co. (Imp. Sapphires, Agates, Glass, etc.), 636 Greenwich, New York
Diamond Cupped Bearing Co., 600 W 125th, New York
Eastern Specialty Co. (Diamond & Sapphire), 3409 N 13th, Phila., Pa.
Eby H. H. Mfg. Co., 40 S 7th, Phila., Pa.
Glogau & Co. (Agate, Sapphire, Etc.), Great Lakes bldg, Chicago, Ill.
Mildrum W. W. Jewel Co., East Berlin, Conn.
Wennstroms John Sons Co. (Sapphire, Agate, etc), Suffern, N. Y.
Worley John, Waltham, Mass.

6817— Jiggers

Crossley Machine Co. (Crucible), State & Chestnut av, Trenton, N. J.
Ivens Wm. H. Sons Co. (For Round & Oval Work), P. O. Box 647, Trenton, N. J.

6818— Jigs (Coal & Ore)

Allis-Chalmers Mfg. Co. (Ore, Hartz & "Hancock"), Milwaukee, Wis. *See adv index at end of book*
Denver Engineering Works Co. ("Richards' Pulsator), Cooper bldg, Denver, Colo.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
McFarlane Mfg. Co., Denver, Colo.
McLanahan-Stone Machine Co. ("McLanahan"), Holidaysburg, Pa.
Mauch Chunk Iron Works, Mauch Chunk, Pa.
Mt. Carmel Iron Works ("B. & K."), Mt. Carmel, Pa.
Pittsburgh Coal Washer Co., Fulton bldg, Pittsburgh, Pa.
Tamaqua Mfg. Co. ("Christ" Patent), Tamaqua, Pa.
William A. Box Iron Works Co., 3309 Blake, Denver, Colo.
Wilmot Engineering Co. ("Simplex"), Hazleton, Pa.

6819—Jigs (For Concentrating Mills)

Allis-Chalmers Mfg. Co. ("Hancock," Hartz), Milwaukee, Wis. *See adv index at end of book*
Box William A. Iron Works Co., 3309 Blake, Denver, Colo.
Denver Engineering Works Co., Denver, Colo.
Dillon-Box Iron Works Co., Denver, Colo.
Hallidie Co., Spokane, Wash.
KENNEDY-VAN SAUN MFG. & ENG. CORP., 50 Church, New York *See adv index at end of book*
Pittsburgh Coal Washer Co., Fulton bldg, Pittsburgh, Pa.
Portage Lake Foundry & Machine Co., Hancock, Mich.
Worthington Pump & Machy. Corp., 115 B'way, New York

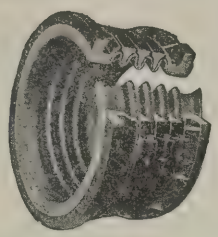
6820— Jigs (Key Filing)

Harrison & Co., 209 Cntr, New York

6821—Jigs & Fixtures (Drilling & Milling)

Accurate Engineering Co., 150 E 4th, Plainfield, N. J.
Aetna Brass Mfg. Co., 3870 Hamilton, Cleveland, Ohio
Ainslie Machine & Tool Works, 35 Jefferson av, Hartford, Conn.
Allen Wrench & Tool Co., 754 Eddy, Providence, R. I.
American Instrument Works, Inc., 18 E Lacock, Pittsburgh, Pa.
American Mach. & Fdy. Co. (Gauges), 2nd av & 56th, Brooklyn, N. Y.
American Tool & Mfg. Co., Urbana, O.
Anderson Tool Co., Elyria, O.
Ashley Machine Wks., Rochester, N. Y.
Atcheson Tool & Die Co., 43 W Long, Columbus, O.
Atlas Tool Works, 488 John, Bridgeport, Conn.
Baldwin C. S. Mfg. Co., Cherry, Milford, Conn.
Bath John Co., Inc., 8 Grafton, Worcester, Mass.
Becker Milling Mach. Co., Hyde Park, Mass.
Belcher George E. Machine Co., 12 North av, Wakefield, Mass.
Bersted Forming Tool Co., 771 Mather Chicago, Ill.
Boston Scale & Machine Co., 100 Ruggles, Boston, Mass.
Brierley Mach. Co., 1736 E 22nd, Cleveland, O.
Brock Arthur Jr. Tool & Mfg. Works, 533 N 11th, Phila., Pa
Busch J. C. Co., 140 Ferry, Milwaukee, Wis.
Cannon T. J. & Sons Machine Co., Lynn, Mass.
Carpenter E. W. Mfg. Co., 1565 Railroad av, Bridgeport, Conn.
Cashman Tool Co., Dept. H, Waynesboro, Pa.
Cedar Tool & Gage Corp., 1362 State, Bridgeport, Conn.
Central Tool & Die Co., Dayton, O.
Cincinnati Engineering Tool Co., Winton pl, Cincinnati, O.
City Mach. & Tool Wks., Dayton, O.
Clegg Mfg. & Tool Co., Attleboro, Mass.
Cleveland Metal Stamping Co., Cleveland, O.
Cleveland Milling Mach. Co., 18521 Euclid av, Cleveland, Ohio
Cleveland National Machine Co., 1366 W 70th, Cleveland, O.
Cleveland Specialty & Mfg. Co., Cleveland, O.
COLUMBUS DIE, TOOL & MACHINE CO. (THE), 955 Cleveland av, Columbus, O.
Cummings Mach. Wks., 255 Atlantic av, Boston, Mass.
Damon & Glenn, 189 High, Boston, Mass.
Dayton Mach. Products Co., Dayton, O.
Dayton Reliance Tool & Mfg. Co., Dayton, O.
Dayton Stamping & Tool Co., Dayton, O.
Dayton Tool Co., Dayton, O.
Dimler Machine Tool Co., Dayton, O.
Dodge Tool Co., Grinnell, Ia.
Dover Geo. W., Inc., 1012 Eddy, Providence, R. I.
Eagle Engineering Co., Springfield, O.
Eclipse Machine & Tool Co., 7 Sherman, Charlestown, Mass.
Excel Mfg. Co., 7 Sherman, Charlestown, Mass.
Excelsior Tool & Gauge Co., 1535 Temple av, Detroit, Mich.
Federal Adding Machine Corp., 83 E 21st, New York
Federal Tool Co., 654 W Lake, Chicago, Ill.
Fenn Mfg. Co., 385 Broad, Hartford, Conn.
Fenton Mach. Tool & Die Co., Fenton, Mich.
Fostoria Machine & Tool Co., Fostoria, O.
Franklin Die & Tool Co. (The), Columbus, O.
Gamewell Co., Newton Nipper Falls, Mass
Gardam Wm. & Son, Inc., 114 Park pl, New York
Gem City Mach. Co., Dayton, O.
General Mach. Wks., York, Pa.
General Mach. & Mfg. Co., 544 Irnstn av, Bridgeport, Conn.
Gisholt Machine Co., Madison, Wis.
Gosa-Brockman Co. (& Gauges), 1027 Schilles, Phila., Pa.
Goddard Tool Co., 351 W Chicago av, Chicago, Ill.
Gooley & Edlund, Cortland, N. Y.
Gray Iron Fdry. Co., Reading, Pa.
Grayson Tool & Mfg. Co., Charleston, W Va.
Grimes P. L., Milford, Conn.
Hahn Mfg. Co., 5332 Hamilton av, Cleveland, O
Hall Wm. Co., Quincy, Mass.
Hanson Clutch & Machy. Co., Tiffin, O.
Hanson Tool & Die Co., 5736 12th, Detroit, Mich.
Harbor Machine Co., 183 High, Boston, Mass.
Hartford Special Machinery Co., Hartford, Conn.
Herith O. B. Mfg. Co. Inc., 983 Main, Hartford, Conn.
Heartly Mach. Variety & Tool Wks., 900 Summit, Toledo, O.
Illinois Tool Works, 2501 N. Keeler av, Chicago, Ill.
Industrial Products Co., 334 N. Irving av, Chicago, Ill.
Inland Machine Works, 17th & Locust, St. Louis, Mo.
Jamestown Die & Tool Corp., Dept. H, Jamestown, N. Y.
Jaxon Co., 1010-12-14 Jackson, Toledo, O.
Johns Stamping & Machine Wks. Co., 1715 Leonard, Cleveland, O.
Johnson & Biddle Tool Co., Elkhart, Ind.
Keystone Mach. Co., 206 Commercial, Rochester, N. Y.
Kinzig Tool Co., 1239 W. 3rd, Cleveland, Ohio
Krag Franz K., 542 W Jackson, Chicago, Ill.
Krebs Mfg. Co., 341-9 E Ohio, Chicago, Ill.
Kuhn & Jacob Machine & Tool Co., Trenton, N. J.
Laganke Chas. F. 116 St. Claire av N E, Cleveland, O.
Lansing Stamping & Tool Co., Lansing, Mich.
Liberty Gauge & Instrument Co., 6545 Carnegie av, Cleveland, O.
Liberty Tool & Machine Co., Dept H, Derby, Conn.
Lindstrom Die, Tool & Gauge Wks (Inc.), (& Gauges), 50 Silliman av, Bridgeport, Conn.
Loafea S., 5740 Elizabeth, Oakland, Cal.
Loshbough-Jordan Tool & Machine Co., Elkhart, Ind.
Lucas Charles H., 158 Alder, Waltham, Mass.
Lucas-Miner Tool & Production Co., 427 Valley, Dayton, O.
McCulloch Mfg. Co. (& Special Gauges), 200 Old Colony av, Boston, Mass.
MacLeod Mfg. Co., 2640 Greenview av, Chicago, Ill. *See adv index at end of book*
Marvin & Casler Co., Canastota, N. Y.
Maute & Sons J., Buffalo, N. Y.
Matthews Engng. Co., Sandusky, O.
Maute J. & Sons, 23 Kane, Buffalo, New York
Mehl Mach. Tool & Die Co., Roselle, N. J.
Merritt S. W. Co., 699 W 133d, New York
Meyers W. F. Co., Bedford, Ind.
Miami Tool & Die Co., Dayton, O.
Michigan Machine Co., 85 Porter, Detroit, Mich.

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CHANGES in temperature cause material changes in length of steam, air, water, and other pipe lines. To care for these changes safely a Badger Expansion Joint should be installed in a pipe line, otherwise the pipe joints will work loose and leak, or the fittings may become fractured, due to the irresistible strains of expansion and contraction.

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Modern Pattern Co., 150 Clinton, Milwaukee, Wis.
Modern Tool Die & Machine Co., 216-220 N Fourth, Columbus, O.
Monarch Engng. Co., 230 E 1st, Dayton, O.
Monarch Tool Co., 122 Opere pl, Cincinnati, O.
Moore & Co., 305 Grand, Chicago Ill.
Moore Eastwod Co., 116 E 4th, Dayton, O.
National Engineering & Tools Works, Oak Park, Ill.
Nat'l. Production Co., Bellevue & Benson, Detroit, Mich.
Nelson Tool Co., Inc., 782 E 142nd, New York.
Nestor Mfg. Co., Inc., 40 W 13th, New York
New England Tool & Machine Co., 51 Taylor, Springfield, Mass.
Newman Manufacturing Co., 542 W Jackson, Chicago, Ill.
Nichols W. H., Waltham, Mass.
Nilson, A. H., Machine Co., Bridgeport, Conn.
North Side Tool Co., The, 17-19 Maryland av, Dayton, O.
Octo Engng. Ass'n, Inc., Rochester, N. Y.
Ohio Instrument Mfg. Co., 9410 St. Catherine, Cleveland, O.
Pedersen Mfg. Co., 336 Middle, Bridgeport, Conn.
Pennsylvania Tool & Mfg. Co., York, Pa.
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Providence Mfg. & Tool Co. 17 Warren, Providence, R. I.
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Schoenert Carl & Sons, 633 S 20th, Newark, N. J.
Schroeder Bros. Mfg. Co., 111 Brook, Torrington, Conn.
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Standard Die Specialty Co. of Cal., 3103 San Pable av, Oakland, Cal.
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Willard-Middletown Machine Co., Covington, Ky.
Wilsch Mach. & Specialty Co., 237 Lafayette, New York
Windau Tool Co., 1565 E 17th, Cleveland, Ohio
Wright Traffic Signal Co., 844 W 6th, Cincinnati, O.

Jim-Crows

See Benders, Rail

6822— *Joint Couplings

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International Couplers Co. ("Auto-Tite"), 239 4th av, Pittsburgh, Pa.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
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6823— Jointers (Coopers')

White L. & I. J. Co., 120 Columbia, Buffalo, N. Y.

6824— Jointers (Masons')

Anderson W. H. Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Crescent Tool Mfg. Co. (Steel & Bronze), 1002 Cass av, St. Louis, Mo.
Stortz John & Son, 210 Vine, Phila., Pa.

6825— Jointers (Pipe)

See also Runners, Lead Joint

Buffum Tool Co. ("Swastika"), South Side Louisiana, Mo.
Mueller H. Mfg. Co. (For Cast Iron Pipe), Decatur, Ill. *See adv index at end of book*

6826— Jointers (Saw Tooth)

Disston Henry & Sons, Inc., Tacony, Phila., Pa.
Huther Bros. Saw Mfg. Co. (For Circular Saw), Rochester, N. Y.
See adv index at end of book
Karle & Sons (For Band or Circular Saws), 142 Chicago, Buffalo, N. Y.
Wallace J. D. & Co., 1401 W Jackson blvd, Chicago, Ill.

6827-8— Jointers (Shingle)

See also Shingle Mill Machinery

American Sawmill Machinery Co. (Rotary), Hackettstown, N. J.
Lyon Iron Works, Greene, N. Y.

6829— Joints (Angle)

American District Steam Co. (45 to 900), No. Tonawanda, N. Y.
Flexo Supply Co., 102 Merchants Exch. bldg, St. Louis, Mo.

6830— Joints (Ball)

See also Joints, Flexible; also Joints, Universal

American District Steam Co., North Tonawanda, N. Y.
Barco Brass & Joint Co., 212 W Illinois, Chicago, Ill.
Chicago Screw Co. ("Security"), Homan av & Filmore, Chicago, Ill.
Cincinnati Ball Crank Co., No. Oakley, Cincinnati, O.
Clow Jas. B. & Sons (Flexible), Franklin & Harrison, Chicago, Ill.
Franklin Railway Supply Co., Inc. ("Franklin," a Flexible Metallic Pipe Connection for Round Houses), 17 E 42nd, New York
Mechanical & Electrical Mfg. Co. (Adjustable & Non-Adjustable), 2127 Prairie av, Chicago, Ill.
Morgan Mfg. Co., Inc. (Adjustable & Socket), Keene, N. H.
Peninsular Milled Screw Co., 4646 Lawton, Detroit, Mich.
Rainier Machine & Supply Co., 2462 1st av S, Seattle, Wash.
Sterling Blower Co. ("Sterling"), Hartford, Conn.
Union Construction Co. ("Plummer"), Balfour bldg, San Francisco, Cal.
Walker Mfg. Co., Fenton, Mich.
Waterbury Metal Wares Co, (Adjustable), Jackson, Waterbury, Conn.

6831— Joints (Brass Swing)

Flexo Supply Co., 102 Merchants Exch. bldg, St. Louis, Mo.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Mueller Co., Decatur, Ill.

6832— Joints (Cable)

Dossert & Co., 242 W 41st, New York

6833—Joints (Carriage & Automobile Top Prop)

Blakeslee Forging Co., Plantsville, Conn.
Brewer-Titchener Corp. ("B. T. C."), Cortland, N. Y.
Cowles C. & Co., New Haven, Conn.
Crandal, Stone Division, The Brewer-Titchener Corp. ("Pioneer" Top Joints), Binghamton, N. Y.
Owensboro Forging Co. (Steel), Owensboro, Ky.
Scherer H. & Co., 280 E Jefferson av, Detroit, Mich.
Springfield Harness Co. (Extension), 55 Dwight, Springfield, Mass.

6833a— Joints (Copper)

Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
BADGER E. B. & SONS CO., 75-A Pitts, Boston, Mass.
See adv index at end of book
Bucyrus Copper Kettle Works Co. (The), Bucyrus, Ohio
See adv index at end of book
Oat Joseph & Sons, 223 Quarry, Phila., Pa.
STENDER COPPERSMITH CO. THE, 2930 Smallman, Pittsburgh, Pa.
See adv index at end of book

6834— Joints (Expansion)

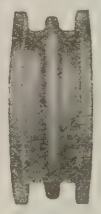
American District Steam Co. ("Duplex Sleeve" Guided Iron Body for Underground or Inside Work), N. Tonawanda, N. Y.
American Foundry & Construction Co., 2nd av & Longworth, Pittsburgh, Pa.
AM. SPIRAL PIPE WORKS, Box 485, Chicago, Ill. & 50 Church, New York
See adv index at end of book
Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
BADGER E. B. & SONS CO. (Corrugated Copper), 75-A Pitts., Boston, Mass.
See adv index at end of book
Barber Asphalt Paving Co. (Asphalt Compound), Land Title bldg, Phila., Pa.
Belfield H. Co. (Iron & Brass), 435 N Broad, Phila., Pa.
Bordo L. J. Co. Inc. ("Bordo" Swing Joints), 12th & Thompson, Phila., Pa.
Buckeye Iron & Brass Works (Brass), Dayton, Ohio

(Continued on following page)

Joints (Expansion)—Continued

Bucyrus Copper Kettle Works Co. (The), Bucyrus, Ohio
See adv index at end of book
Camden Copper Works, 559 S 2nd, Camden, N. J.
CAREY PHILIP MFG. CO. ("Carey," "Elastite"), 330 Wayne av, Lockland, Cincinnati, O.
Central Station Steam Co. (Packingless), 710 Woodbridge, Detroit, Mich.
Coldwell-Wilcox Co., Newburgh, N. Y.
Crane Co., 836 S. Michigan av, Chicago
See adv index at end of book
DAHLQUIST MFG. CO., 40 W 3d, So. Boston, Mass. *See adv index at end of book*
Draper Mfg. Co. ("Draper" Ball Union), Port Huron, Mich.
Everitt Co. (Copper), 267 Franklin, Boston, Mass. *See adv index at end of book*
Flexo Supply Co., 102 Merchants Exch. bldg, St. Louis, Mo.
Fords & Kendig Co. (Dirs.), 1426H Callowhill, Phila., Pa.
Gerstein Bros. & Cooper (Copper), 3 W 3d, South Boston, Mass.
GRISCOM-RUSSELL CO. (Copper for Exhaust & Live Steam), 92 West, New York *See adv index at end of book*

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For use on Low Pressure Steam Lines to provide for expansion and contraction of the pipe. Sold under specific flexibility guarantees.

Made in sizes up to 72"

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Howard Iron Works, Buffalo, N. Y.
Illinois Engineering Co., W 21st & S Racine av, Chicago, Ill.
Josam Mfg. Co., Michigan City, Ind.
Kaltenhaler H. J. (Iron Body), 234 Cherry, Phila., Pa.
Kellogg M. W. Co. (Pipe), 90 West, New York. *See adv index at end of book*
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Oat Joseph & Sons, 228 Quarry, Phila., Pa.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
P.-K. Engineers ("P.-K."), 1906 Pine, St. Louis, Mo.
Pearce W. H. & Co. ("Crescent"), 115 S Dearborn, Chicago, Ill.
Philadelphia Coppersmithing Co., 808 N. Front, Philadelphia, Pa.
Pioneer Asphalt Co. ("Pioneer"), Lawrenceville, Ill.
Pittsburgh Piping & Equipment Co., 35th & Charlotte, Pittsburgh, Pa
Pittsburgh Valve, Foundry & Construction Co. (Balanced & Unbalanced), 26th & A V R. R., Pittsburgh, Pa.
Powell Wm. Co., 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Ray Expansion Joint Co. ("Ray" Elastic Disc), Akron, Ohio
Ross Heater & Mfg. Co. Inc., 1407 West av, Buffalo, N. Y.
Servicised Products Co. ("Servicised" Asphalt), First Natl. Bank bldg, Chicago, Ill.
Shaw Benj. F. Co. (Copper), Wilmington, Del.
Special Service Flooring Corp., 2009 Grand Central Terminal, New York
STENDER COPPERSMITH CO. THE, 2980 Smallman, Pittsburgh, Pa.
See adv index at end of book
U. S. Cast Iron Pipe & Foundry Co., Burlington, N. J.
U. S. Rubber Co. (Rubber), 1790 Broadway, New York
See adv index at end of book

"U. S." RUBBER EXPANSION JOINTS
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

Walworth Mfg. Co., Boston, Mass.
Waterbury Mfg. Co., Division Chase Companies, Inc., Waterbury, Conn.
Webster Warren & Co., Camden, N. J.
Wheeler C. H. Mfg. Co., Dept H, 18th & Lehigh, Phila., Pa.
Wheeler Condenser & Engineering Co., W. Carteret, N. J.
Williams D. T. Valve Co., Cincinnati, O.

6835—Joints (Expansion Paving)

Carey Philip Mfg. Co. ("Elastite"), 330 Wayne av, Lockland, Cincinnati, O.
Pioneer Asphalt Co. ("Pioneer"), Lawrenceville, Ill.
Servicised Products Corp. ("Servicised"), First Natl. Bank bldg, Chicago, Ill.

6836—Joints (Fixture Insulating)

Brandywine Fibre Products Co. (Vulcanized Fibre Tubing), E. Wilmington, Del. *See adv index at end of book*
Johns-Pratt Co. ("Moulded Mica"), Hartford, Conn.
McDowell E. O., 30 Church, New York
Macallen Co., 16 Macallen, South Boston, Mass.
Mitchell Vance Co. ("Robb" Fixture), 507 W 24th, New York
Trumbull Electric Mfg. Co. ("Jaynes"). Plainville, Conn.

6837— Joints (Flexible)

AMERICAN SPIRAL PIPE WORKS, Box 485, Chicago, Ill. & 50 Church, New York *See adv index at end of book*
Barco Mfg. Co. ("Martin's," "Holland," "Barco," for Air, Gas, Liquid & Steam), 1815 Winnemac av, Chicago, Ill.
Clow Jas. B. & Sons (Ball Joints), Franklin & Harrison, Chicago, Ill.
Coldwell-Wilcox Co., Newburgh, N. Y.
Cooper Flexible Transmission Co., 1723 8th av, Brooklyn, N. Y.
Crane Co., 836 S Michigan av ("Walker"), Chicago, Ill.
See adv index at end of book
Douds Frank C. & Co. ("Douds," for Pipe), New Castle, Pa.
Draper Mfg. Co. ("Draper" Ball Union), Port Huron, Mich.
Flexo Supply Co., 102 Merchants Exch. bldg, St. Louis, Mo.
International Couplers Co. ("Auto-Tite"), 239 4th av, Pittsburgh, Pa.
Moran Flexible Steam Joint Co. (For Steam, Air or Liquid, all Metal), Louisville, Ky.
Pittsburgh Valve, Fdry. & Constr. Co. ("Moran"), 26th & A. V. R. R., Pittsburgh, Pa.
Snead & Co. (For Automobiles & Marine Engines), Jersey City, N. J.
Venango Mfg. Co. (Locomotive), Franklin, Pa.
Walker Mfg. Co. (Pipe or Ball Joints), Fenton, Mich.

6838—Joints (Insulating, Rail)

Atlas Railway Supply Co. (For Tee & Girder Rails), 431 S. Dearborn, Chicago, Ill.
Chicago Railway Signal & Supply Co., 122H S Michigan av, Chicago, Ill.
Industrial Supply & Equipment Co. ("Manhattan"), 407 Sansom, Phila., Pa.
Johns-Pratt Co. ("Moulded Mica"), Hartford, Conn.
Q. & C. Co. ("Q. & C."), Bonzano Thomson"), 90 West, New York
Railroad Supply Co., 203 S Dearborn, Chicago, Ill.
Track Specialties Co., Inc. ("Trasco"), 2-4-6 Morris, New York
Whall C. H. Co. ("Whall's," Fibre), 170 Summer, Boston, Mass.

6839— Joints (Ladder)

Auer John Jr. (Wrought Steel), 197 Middleton, Brooklyn, N. Y.
Brewer Bros. Co. (Wrought), 2743 N 2nd, Phila., Pa.
Stanley Works (Wrought Steel), New Britain, Conn.

6840—Joints (Lap, Recessed)

Mitchell W. K. & Co., 2940 Ellsworth, Phila., Pa.

6841— Joints (Pipe)

Central Foundry Co. ("Universal"), 41 E. 42nd, New York
Crane Co. (Flanged), 836 S. Michigan av, Chicago, Ill. *See adv index at end of book*
Dougherty M. J. Co., 25th & Washington av., Phila, Pa.
Estabrook's R. Sons, 202 1st, Boston, Mass.
Flexo Supply Co. ("Flexo Kant Leak"), Merchants Exch. bldg, St. Louis, Mo.
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
International Couplers Co. ("Auto-Tite"), 239 4th av, Pittsburgh, Pa.
Kelly & Jones Co, The, Greensburg, Pa.
See adv index at end of book
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Pittsburgh Piping & Equipment Co., 35th & Charlotte, Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co. ("Atwood"), 26th & A V R. R., Pittsburgh, Pa.
Walworth Mfg. Co. ("Walwanco"), 32H Pearl, Boston, Mass.
Western Pipe & Steel Co., 4444 Market, San Francisco, Cal.

6842— Joints (Rail Step)

Atlas Railway Supply Co. ("Atlas"), 431 S Dearborn, Chicago, Ill.
Bethlehem Steel Co., Bethlehem, Pa.
Cement Tool Co. ("Sturgis" Cement Workers), 625 Turner, Los Angeles, Cal.
Central Foundry Co. ("Universal"), 90 West, New York
Elyria Iron & Steel Co. ("Manhattan" Compromise or Step), 232 E 131st, Cleveland, O.
Industrial Supply & Equipment Co. ("Manhattan"), 4th & Vine, Philadelphia, Pa.
Q. & C. Co. ("Bonzano," "Q. & C.," "Compromise"), 90 West, New York
Track Specialties Co., 29 B'way, New York
Wharton Wm. Jr. & Co., Inc., Easton, Pa.

Joints (Splice)

See Braces, Rail

6843— Joints (Strap)

Leard Wm. Co., 16th and 5th av, New Brighton, Pa.

6844— Joints (Stump)

Baldwin E. N. (For Carriage Tops), Shelton, Conn.
Cowles C. & Co. ("Elm City"), New Haven, Conn.
Union Forging Co., Union, N. Y.

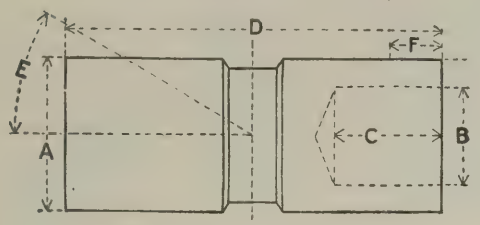
6845— Joints (Sucker Rod)

American Well Works, Aurora, Ill.
See adv index at end of book
Axelson Machine Co., Boyle av. & Randolph, Los Angeles, Cal.
Bradford Supply Co., Warren, Pa.
Cook August D. (Wrought Iron), Lawrenceburg, Ind.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.

6846— Joints (Swing)

Barco Brass & Joint Co., 212 W Illinois, Chicago, Ill.
Bordo L. J. Co. ("Bordo" Locomotive), 12th & Thompson, Phila., Pa.
Central Foundry Co. ("Universal"), 41 E. 42nd, New York
Crane Co. (Brass, Steam, etc.), South av, Bridgeport, Conn.
Detroit Brass & Malleable Wks. 1177H Holden, Detroit, Mich.
Flexo Supply Co., 102 Merchants Exch. bldg, St. Louis, Mo.
Hills-McCanna Co., 153 W Kinzie, Chicago, Ill.
Hoffmann B. Mfg. Co. ("B. H. Mfg. Co.," **Universal), 257 6th, Milwaukee, Wis.**
INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
See adv index at end of book
McDonald A. Y. Mfg. Co., Dubuque, Ia.
McNab & Harlin Mfg. Co., Paterson, N. J.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co. (Brass), 26th & A. V. R. R., Pittsburgh, Pa.
Powell Wm. Co., 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Sholes, Inc., 186 Lafayette, New York
Threaded Products Co., 5th & Carlton, Berkeley, Pa.

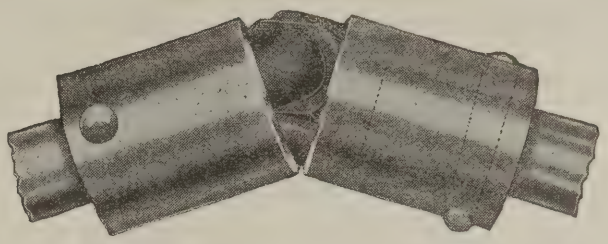
UNIVERSAL JOINTS



SPECIFICATIONS
of Stock Sizes of Style A, Universal Joints

Size No.	A	B	C	D	E	F	Weight each
1	7/8"	up to 7/16"	5/8"	2 1/4"	45°	3/8"	5 1/2 oz.
2	1 1/8"	up to 5/8"	7/8"	3"	45°	7/16"	12 1/2 oz.
3	1 7/16"	up to 13/16"	1 1/8"	3 3/4"	45°	1/2"	25 oz.
4	1 3/4"	up to 15/16"	1 3/8"	4 1/2"	45°	11/16"	41 oz.
5	2"	up to 1 1/16"	1 5/8"	5 1/4"	45°	11/16"	4 lbs.
6	2 1/4"	up to 1 1/4"	1 7/8"	6"	30°	7/8"	6 1/4 lbs.
7	2 7/8"	up to 1 3/4"	2 3/8"	7 1/2"	30°	1"	13 lbs.

STYLE A



A FEW USES TO WHICH THESE JOINTS ARE PUT

Used on adjustable gang drills and wood boring machines. On the moving feed shafts of milling, grinding, boring and various special machines.
For operating mechanisms, for revolving ventilating funnels on steamships.
For driving self-aligning boring bars.
On printing presses and various paper handling machinery.
These joints are suitable for all shaft sizes up to and including 1 3/4" diameter, but not larger.
In selecting size, dimension "B" should be referred to.
In ordering, please be sure and specify size number, indicating size Joint required.

WRITE FOR DESCRIPTIVE CIRCULAR

THE GRAY & PRIOR MACHINE COMPANY
96 Suffield Street, Hartford, Conn., U. S. A.
Cable Address: "Graprior" Hartford

Walworth Mfg. Co., 82H Pearl, Boston, Mass.
Williams Franklin, Inc. ("Tupvia"), 37 Cortlandt, New York

6847— Joints (Swivel)

Burlington Brass Works ("Kno-Pak"), Burlington, Wis.
Flexo Supply Co., 102 Merchants Exch. bldg, St. Louis, Mo.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
See adv index at end of book

6847a—Joints (Telescopic Pipe)

Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*

6848— Joints (Universal)

Acme Universal Joint Mfg. Co., Kalamazoo, Mich.
Ainslie Machine & Tool Works ("Vanderbeek Giant & Vanderbeek Ball"), 35 Jefferson av, Hartford, Conn.
Arvac Mfg. Co., Anderson, Ind.
Baush Machine Tool Co. ("Bocorselski"), Springfield, Mass.
Bethlehem Shipbuilding Corporation, Ltd. (Automobile), Bethlehem, Pa.
Blood Bros. Machine Co. (For Automobiles, etc), Allegan, Mich.
BORGESON MFG. CO., INC. ("Borgeson" For Machine Tools), Torrington, Conn.
Bossert Corp. (The), Linden & West av (Automobile Universal Ball), Utica, N. Y.
BOSTON GEAR WORKS (Bronze & Steel), Norfolk Downes, Quincy, Mass.
See adv index at end of book
Brown A. & F. Co., 79 Barclay, New York
Central Foundry Co. ("Universal"), 41 E 42nd, New York
Cleveland Universal Parts Co., 7320 Madison av, Cleveland, O.
Cooper Flexible Transmission Co., Inc., 1723 8th av, Brooklyn, N. Y.
Detroit Brass & Malleable Works, 1117 Holden, Detroit, Mich.
GRAY & PRIOR MACHINE CO., 96 Suffield, Hartford, Conn.
See adv index at end of book
Hanson Clutch & Machy., Tiffin, O.
Hartford Auto Parts Co., Hartford, Conn.
Hartford Automotive Parts Co., Dept H, Russ & Laurence, Hartford, Conn.
Hill-Smith Metal Goods Co. ("H. S." for Automobiles), 82 Brookline av, Boston, Mass.
Hoffmann B. Mfg. Co. ("B. H. Mfg. Co."), 257 6th, Milwaukee, Wis.
Hoosier Universal Machy. Co., Goshen, Ind.
Kinsler-Bennett Co. (Pin), 240 Grandview Terrace, Hartford, Conn.
Mechanics Mach. Co. (Automobile), Rockford, Ill.
Merchant & Evans, Washington av & 21st, Phila., Pa.
Mutual Machine Co. ("Warren"), 27 Wells, Hartford, Conn.
National Steel Products Co., Dayton, O.
Nilson-Miller Co. ("Record"), 50 13th, Hoboken, N. J.
Reilly Steam Pump Works, Louisville, Ky.
Saline Bros., 1350 S Bonnie Brae, Los Angeles, Cal.
Snead & Co. (Shock Absorbing, etc.), Jersey City, N. J.
Spicer Mfg. Co. ("Spicer" for Automobiles, etc), South Plainfield, N. J.
Stow Mfg. Co., Inc., Binghamton, N. Y.
See adv index at end of book
Thermoid Rubber Co., ("Thermoid"), Trenton, N. J.
Universal Machine Co. (Roller-Bearing), Bowling Green, O.
Walker Mfg. Co., Fenton, Mich.
Walworth Mfg. Co., Boston, Mass.
Westinghouse Automatic Air & Steam Coupler Co. (Flexible Metallic Swivel & Universal), Boatman's Bank bldg, St. Louis, Mo.
Willys Morrow Co., Inc., Dept. H Elmira, N. Y.

Joints (Vehicle Top Prop)

See Joints, Carriage & Automobile Top, Prop

6849—Joist Anchor & Timber Caps

See also Hangers, Joist
Acme Fence & Iron Co., 3502H Lake av, Cleveland, O.
Am. 3-Way Prism Co. (Anchors), Cicero, Ill.
Chattanooga Roofing & Foundry Co., Chattanooga, Tenn.
Church Appliance Mfg. Co. ("Boss" Joint Anchor), La Salle, Ill.
Donley Brothers Co. The, ("Donley" Joist Anchor), 13935 Miles av, Cleveland, O.
See adv index at end of book
Duplex Hanger Co., E 53d & Lakeside av, Cleveland, O.
Goetz Box Anchor Co., New Albany, Ind
Michel & Pfeffer Iron Works, 1417 Harrison, San Francisco, Cal.
O'Leary Arthur J. & Son Co. (Forged Steel), 65th & So 57th av, Chicago, Ill.
Prouty C. & Co., Eldred, Pa.
Republic Structural Iron Wks. Co., 1350 E 53d, Cleveland, O.
ST. PAUL FOUNDRY CO., Como av & Mackubin, St. Paul, Minn.
See adv index at end of book
Stolz Jos. & Son Inc. (Joist Anchors), Commercial & W 170th, New York
Van Dorn Iron Works Co., 2700 E 79th,

6850— Journals (Car)

American Safety Lamp & Mine Supply Co., 1327 Capouse av, Scranton, Pa.
Fleming J. R. & Son Co., Scranton, Pa.
Hess Bright Mfg. Co. ("H. B.-D. W. F" Ball Bearing), 165 B'way, New York
Keystone Bronze Co., 39th & A V R R, Pittsburgh, Pa.

6851—*Journals (Vulcanized Fibre)

See also Fibre, Hard
Brandywine Fibre Products Co., E Wilmington, Del.
See adv index at end of book
Continental Fibre Co., Newark, Del.
DELAWARE HARD FIBRE CO., Wilmington, Del. Works: Marshallton, Del. *See adv index at end of book*

6852— Jute (Brattice)

TURNER LAURIN H. CO., 226 W Adams, Chicago.

6853— Kainit

Armour Fertilizer Works, U. S. Yards, Chicago, Ill.
Ashcraft Wilkinson Co., Atlanta, Ga.
Baker H. J. & Bro. (Importers), 81 Fulton, New York
Buffalo Fertilizer Works, Marine Life bldg, Buffalo, New York.
Grasselli Chemical Co. (Importers), Guardian bldg, Cleveland, O.
New Orleans Acid & Fertilizer Co. (Importers), Gretna, La.
Nitrate Agencies Co. (Imp.), 102 Pearl, New York

(Continued on following page)

Kainit—Continued

Swift & Co., Union Stock Yards, Chicago, Ill.
Thomas W. W. & Co. (Importers), 17 Battery pl, New York
Tupelo Fertilizer Factory (Imported), Tupelo, Miss.

Kalameined Iron Covered Work

See Doors & Windows, Kalameined

6854— Kalsomine Mfrs.

See also Paints, Cold Water

Adams & Elting Co. ("Hygienic"), 1834 S Canal, Chicago, Ill.
American Dry Color Co., 687 Antonia, Los Angeles, Cal.
Bird J. A. & W. & Co. ("Petrol"), 348 Concord sq, Boston, Mass.
Certain-teed Products Corp., St. Louis, Mo.
Connors Wm. Paint Mfg. Co., Troy, N. Y.
FOX M. EWING CO. (All Kinds of Calcimines & Water-Paints, "Muralite," "Calcitine"), 241 E 136th, New York
Lucas Jno. & Co., 322 Phila., Pa.
Manhattan Color Works ("Fres-Ko-Kote," "Tempo-Va"), 1025 Kelly, New York
Moore Benj. & Co. ("Muresco"), 231 Front, Brooklyn, N. Y.
Munns E. A. Kalsomine Co., 26 Court, Brooklyn, N. Y.
Muralo Co., Richmond Ter, New Brighton (Borough of Richmond), New York
Oxidite Mfg. Co., Arlington, Mass.
Paraffin Co.'s, Inc. ("Pabco"), 475 Brannan, San Francisco, Cal.
Troy Cold Water Kalsomine Co. ("Klar's" Cold Water), Troy, N. Y.
West Coast Kalsomine Co. ("Wesco"), 5th & Grayson, Berkeley, Cal.
Woolsey C. A. Paint & Color Co. ("Woolsey's" Domestic), 490 Grand, Jersey City, N. J.

6855— Kaolin Mfrs.

Chrystal Chas. B. Co. Inc. (Imp.), 13 Cliff, New York *See adv index at end of book*
Edgar Plastic Kaolin Co., Metuchen, N. J.
Georgia Kaolin Co., Macon, Ga.
Golding Sons Co., Trenton, N. J.
Harris Clay Co., Dillsboro, N. C.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Immaculate Kaolin Co., Easton, Pa.
Kreischer Brick Mfg. Co., Krieschervilie, S. I., N. Y.
National Clay Refining Co. ("Shamrock"), Liberty bldg, Philadelphia, Pa.
National Sales Co. (Imp), 31 E 13th, Cincinnati, O.
Ostrander Fire Brick Co. (Miners), Troy, N. Y.
Pacific Clay Deposit Balbaa bldg, San Francisco, Cal.
Raritan Ridge Clay Co., Metuchen, N. J.
Savannah Kaolin Co. (Miners of Crude & Washed), Savannah, Ga.
Star Clay Co. (Ltd.), Mertztown, Pa.
Vanderbilt R. T. Co., 50 E 42d, New York
Whitehead Bros. Co., 537 W 27th, New York
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

6856— Kapok

AMERICAN FOREST PRODUCTS CO., 24th & Race, Philadelphia, Pa.
See adv index at end of book
ATLANTIC EXCELSIOR MFG. CO., 507-509 W 30th, New York
See adv index at end of book
BOSTON EXCELSIOR CO (Java), 562 West 29th, New York
Boston Excelsior Co. (Importers of Prime Java), 36 Canal, Boston, Mass.
EXCELSIOR WRAPPER CO., 224 W. Kinzie, Chicago, Ill.
See adv index at end of book
Hartman Bros. Inc. (Imp.), 641 Atlantic av, Boston, Mass.
SELLE H. W. & CO., 1012 N Halsted, Chicago, Ill.
See adv index at end of book

Kauri Gum Importers

See Varnish Gums

6856a— *Kegs (Money)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York.
See adv index at end of book
Estes E. B. & Sons (Turned Wood), 364 5th av, New York
See adv index at end of book

6857— Kegs (Steel)

Acme Stamping Co. (Powder, etc), Shamokin, Pa.
AMERICAN CAN CO. (White Lead), 120 Broadway, New York
See adv index at end of book
Metal Package Corp. of N. Y., 509 5th av, New York
See adv index at end of book
Peoria Can Co. (For Powder, etc), Peoria, Ill.
Pittsburgh Can Co. (White Lead Paint, etc), 61 Bridge, Pittsburgh, Pa.
Pressed Steel Products Co. (For Shipping Grease, Nails, Rivets, etc), Sharon, Pa.

6858— Kegs (Steel Shop)

Kraft, A. C., 323 W Lake, Chicago, Ill.
Cleveland Wire Spring Co., 1231 E. 38th, Cleveland, O.
Lyon Metallic Mfg. Co. ("Lyon"), Aurora, Ill.
OHIO MFG. CO., P. O. Box 146, Painesville, O. *See adv index at end of book*

6858a—Kegs (Tack, Miniature)

American Stave & Cooperage Co. (Oak) Chelsea, Mass.
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York.
See adv index at end of book
Estes E. B. & Sons (Wood), 364 5th av, New York *See adv index at end of book*

6858b—Kegs (Turned Wood)

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

6859— Kegs (Wooden)

Albrecht Fred'k, Pratt & Smallwood, Baltimore, Md.
American Stave & Cooperage Co., Chelsea, Mass.
Atlantic Tank & Barrel Corp., Hoboken, N. J.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
Bell Edwin Co. (Nail, Spike, Horseshoe, Nut, etc), S 17th, Pittsburgh, Pa.
Bridge's A. D. Sons (Powder), Hazardville, Conn.
Estes E. B. & Sons (Miniature), 364 5th av, New York.
See adv index at end of book
Greif Bros. Cooperage Co. (For Nails, Bolts, Nuts, Rivets, Screws, Horse Shoes, etc), 1937 Willey av, Cleveland, O.
Handlan-Buck Mfg. Co. (R. R. Water), 210 3rd. St. Louis, Mo.
Impervious Package Co. (Paint, Oil, Dry Colors, etc), Keene, N. H.
International Cooperage Co., Inc., ("International"), Dept. H, Niagara Falls, New York
International Package Co. Inc. (Jobbers), 11 Water, New York
Kimball, Tyler Co., 261 S 8th, Baltimore, Md.
Lown & Son (Cedar Harvest, etc), Poughkeepsie, N. Y.
McArdle & Co. (Dirs. in Cider, Lard, Ink, Paint, Pickle, Sauerkraut Vinegar & Wine Kegs), 58th pl & Gage, U. S. Yards, Chicago, Ill.
Pioneer Cooperage Co., 2212 Dekalb, St. Louis, Mo.
Richmond Cedar Works (Oak & White Wood, Plain or Varnished), Fulton, Richmond, Va.
Rochester Cooperage Co. (Beer & Ale), Rochester, N. Y.
Sengel Philip & Son (Beer Barrels, Casks, Tanks, etc), Louisville, Ky.
Stolper Chas. Cooperage Co. (Beer Barrels, etc), 3206 Fond du Lac av, Milwaukee, Wis.
Struthers Cooperage Co. (Nail), Struthers, O.
Union Cooperage ("Handy" Tight for Liquid), 2nd & Penrose, St. Louis, Mo.
Western Cooperage Co. (All Kinds of Barrels & Kegs), Northwestern Bank bldg, Portland, Ore.

6859a— Ketones

Industrial Chemical Co., 1414 Fifth Av bldg, New York
See adv index at end of book

6860— Kettles (Acid)

American Welding Co. (Chemical, Boiling, etc), Carbondale, Pa.
Badger E. B. & Sons Co., 75 Pitts, Boston, Mass. *See adv index at end of book*
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Bucyrus Copper Kettle Works Co. (The), Bucyrus, O. *See adv index at end of book*
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Devine J. P. Co., 1372 Clinton, Buffalo, N. Y.
Duriron Castings Co., Dayton, O.
Knight, Maurice A. (Acid Proof Stoneware), Akron, O.
Manitowoc Engineering Works, Manitowoc, Wis.
Stuart & Peterson Co. (Iron), Burlington, N. J.

Kettles (Aniline)

See Kettles Size

6861—Kettles (Apple Butter)

Bucyrus Copper Kettle Works Co. (The), Bucyrus, O. *See adv index at end of book*
DAHLQUIST MFG. CO. (Copper), 40 W 3rd, So. Boston, Mass.
See adv index at end of book
Picking D. & Co., Bucyrus, O.
Schaum John G., Lancaster, Pa.

6861a— Kettles (Asphalt)

See also Kettles, Tar; also Heaters, Asphalt, Pitch & Tar
Baker Iron Works, 950 N. B'way, Los Angeles, Cal.
Barber Asphalt Co. ("Iroquois"), Land Title bldg., Phila., Pa.
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Breese Bros. Co. The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Camden Boiler Wks. Inc. (& Oil Burning), Delaware River & 26th, Camden, N. J.
CONNERY & CO., INC., 4000 N. 2nd, Phila., Pa. *See adv index at end of book*
DUTWILER MFG. CO. (Ground & Wheel Kettles), 2437 E 23rd, Los Angeles, Cal.
Littleford Bros. (& Tar), 444 E. Pearl, Cincinnati, O.
See adv index at end of book
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Madsen Iron Works, 5529 Bicket, Huntington Park, Cal.
Ohio Machine & Boiler Co., 1510H University rd, Cleveland, O.
Sowers Mfg. Co. (Pitch), 1300 Niagara, Buffalo, N. Y.
Spears-Wells Machinery Co., Inc., 9th & Cedar, Oakland, Cal.
Standard Metal Products Co., 558 Bryant, San Francisco, Cal.
Union Tank & Pipe Co., 2801 Santa Fe av, Los Angeles, Cal.

6862— Kettles (Brass)

Bucyrus Copper Kettle Works Co. (The), Bucyrus, O. *See adv index at end of book*
Everitt Co., 267 Franklin, Boston, Mass.
See adv index at end of book
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Picking D & Co. (for Kettle Drums), Bucyrus, O.
Randolph & Clowes (Spun), Waterbury, Conn.

6863— Kettles (Brazing)

MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

6864— Kettles (Brew)

Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
Hoffman-Ahlers Co., 328 E Pearl, Cincinnati, O.
Improved Appliance Co. (or Butchers), 413H Kent av, Brooklyn, N. Y.
Kast Copper & Sheet Iron Co., 91 Main, Buffalo, N. Y.
Northwestern Copper & Brass Works, 59 W 3d, St. Paul, Minn.
Sieg Brewery Apparatus Co., 1822 N 5th, Phila., Pa.

6865— Kettles (Calcining)

Ehrsam J. B. & Sons Mfg. Co., Enterprise, Kans.

6866— Kettles (Caldron)

Brecht Co. (For Packers, etc), 1201 Cass av, St. Louis, Mo.
Buch's A. Sons Co., Elizabethtown, Pa.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Cheney S. & Son, Manlius, N. Y.
Combustion Utilities Corp., 8-10 Bridge, New York
Donaldson Bros., Mt. Clemens, Mich.
Eddy W. Plow Co., Greenwich, N. Y.
Gehl Bros. Mfg. Co., West Bend, Wis.
Giblin & Co., Utica, N. Y.
Gowanda Agricultural Works, Gowanda, N. Y.
Greenville Implement Co., Greenville, Mich.
Heesen Bros. Co., Tecumseh, Mich.
Heller Aller Co., Napoleon, O.
Lehr Agricultural Co., Fremont, O.
Lyon Iron Works, Greene, N. Y.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Moore Plow & Implement Co., Greenville, Mich.
Mott J. L. Iron Works, Trenton, N. J.
N. Y.
Sperry D. R. & Co., Batavia, Ill.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Swift Mfg. Co., Waterloo, Ia.

Kettles (Canning Factory)

See Kettles, Process
Sowers Mfg. Co., 1330 Niagara, Buffalo,



"Stender" Rivetless Bottom Copper Varnish Kettle and Class-A-Truck.

ESTABLISHED 1857

Copper Varnish Kettles and Trucks

Manufacturers of the

"Stender" Rivetless Bottom, Leakproof Copper Varnish Kettles

THE STENDER COPPERSMITH CO.

2930 SMALLMAN STREET

Arsenal Station PITTSBURGH, PA.

6867— Kettles (Cast Iron)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

CAST IRON KETTLES

BUFFLOKAST

Plain or Jacketed Kettles with or without Agitators

BUFFALO FOUNDRY & MACHINE CO.

65 Winchester Avenue, Buffalo, N. Y.

Columbus Iron Works, Columbus, Ga.
Devine J. P. Co., 1372 Clinton, Buffalo, N. Y.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Favorite Stove & Range Co., Piqua, Ohio
Golden's Foundry & Machine Co., Columbus, Ga.
Kilpatrick A. & Sons Fdry. Co., Carrie & Bulver av, St. Louis, Mo.
Kutztown Foundry & Machine Co., 1421 Chestnut, Phila., Pa.
See adv index at end of book
Manufacturing Equipt. & Engng. Co. ("Meco"), Framingham, Mass.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Sowers Mfg. Co. ("Dopp"), 1300 Niagara, Buffalo, N. Y.
Squier Geo. L. Mfg. Co., B'way and Mortimer, Buffalo, N. Y.
Townsend Foundry & Machine Shop Co., B'way & Rensselaer, Albany, N. Y.
See adv index at end of book
United States Cast Iron Pipe & Foundry Co., Burlington, N. J.

6868—Kettles (Caustic Soda)

BUFFALO FOUNDRY & MACHINE CO. (& Potash), 65 Winchester av, Buffalo, N. Y. *See adv index at end of book*
Devine J. P. Co., 1372 Clinton, Buffalo, N. Y.
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Manitowoc Engineering Works, Manitowoc, Wis.
Manufacturing Equipt. & Engng. Co. ("Meco"), Framingham, Mass.
Marshall Foundry Co., 28th & RR, Pittsburgh, Pa.
Superior Foundry Co., Dept. H, East 71st St. & W. & L. E. Ry., Cleveland, O.

6869— Kettles (Conveying)

Premier Machinery Co., 310 Sansome, San Francisco, Cal.
See adv index at end of book
Stuart & Peterson Co., Burlington, N. J.

6869a— Kettles (Copper)

Alaskan Copper Works, 3000 E Marginal Way, Seattle, Wash.
Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
Aufruchtig, A., Copper Iron Works, 900 S. 3rd, St. Louis, Mo.
BADGER E. B. & SONS CO., 75A Pitts, Boston, Mass.
See adv index at end of book
Bucyrus Copper Kettle Works Co. The, (Confectioners, Canners, Preservers, Cheese, etc), Bucyrus, O.
Breese Bros. Co. The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
Creamery Package Mfg. Co. (Jacketed), 61 W Kinzie, Chicago, Ill.
Krenz Oscar Copper & Brass Works, 612 Bryant, San Francisco, Cal.
Langsenkamp F. H., 130 E. Georgia, Indianapolis, Ind.
Oakland Copper & Brass Wks., 7th & Kirkham, Oakland, Cal.
Oat Joseph & Sons, 228 Quarry, Phila., Pa.
Randolph-Clowes Co. (Spun), Waterbury, Conn.
Rome Mfg. Co., Inc. ("Rome"), Dept H, Rome, N. Y.
Savage Bros. Co., 2638 Gladys av, Chicago, Ill.
Sowers Mfg. Co., 1300 Niagara, Buffalo, N. Y.
Squier Geo. L. Mfg. Co., B'way and Mortimer, Buffalo, N. Y.
STENDER COPPERSMITH CO. THE, 2930 Smallman, Pittsburgh, Pa.
See adv index at end of book
Young Bros. Co., 6560H Mack av, Detroit, Mich.

6870— Kettles (Dross)

Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
New York Central Iron Wks. Co., Inc., Dept. H, Hagerstown, Md.
Wilfong Millard F., Iron Works Co., 52d & Gray's av, Phila., Pa.

6871— Kettles (Dyers')

BADGER E. B. & SONS SO., 75-A Pitts, Boston, Mass.
See adv index at end of book
Bucyrus Copper Kettle Works Co. (The), Bucyrus, O. *See adv index at end of book*
DAHLQUIST MFG. CO. (Copper), 40 W 3rd, South Boston, Mass.
See adv index at end of book
Manitowoc Engineering Works, Manitowoc, Wis.
Sowers Mfg. Co. (and Color), 1300 Niagara, Buffalo, N. Y.
Stender Coppersmith Co. The, 2930 Smallman, Pittsburgh, Pa.
See adv index at end of book

6872—Kettles (Fullers Earth Treating)

Allbright-Nell Co., 5315 Western av, Chicago, Ill.

6872a— *Kettles (Fusion)

Buffalo Foundry & Machine Co. (Caustic & Phenol), 65 Winchester av, Buffalo, N. Y. *See adv index at end of book*
Sowers Mfg. Co., 1300 Niagara, Buffalo, N. Y.

6873— Kettles (Galvanizing)

American Bridge Co., 30 Church, New York
American Welding Co. (Welded), Carbondale, Pa.
Bethlehem Shipbuilding Corporation Ltd., Bethlehem, Pa.
Blaw-Knox Co., Freeport rd, Hoboken
Breese Bros. Co. The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Columbiana Boiler Co. (Riveted & Welded), Columbiana, O.
Garwood Bronze & Iron Works, Garwood, N. J.
Heggie James G. & Sons, Joliet, Ill.
McAleenan Bros. Co., 25th & A. V. R. R., Pittsburgh, Pa.
Manitowoc Engineering Works, Manitowoc, Wis.
Meehan Boiler & Construction Co., Lowellville, O.
Munroe R. & Sons Mfg. Corp., 23rd & Smallman, Pittsburgh, Pa.
National Wrought Iron Annealing Box Co., Washington, Pa.
New Haven Boiler Works, 37 Mill, New Haven, Conn.
Ohio Machine & Boiler Co., 1510H University rd, Cleveland, O.
O'Brien John Boiler Works Co., 11th & Mullanphy, St. Louis, Mo.
Parker Charles Co., Meriden, Conn.
PETROLEUM IRON WORKS CO. OF OHIO, Sharon, Pa.
See adv index at end of book
Pittsburgh Annealing Box Co., 829 Beaver, N S, Pittsburgh, Pa.
Pollock Wm. B. Co., Youngstown, O.
Reeves Bros. Co. (Grease), Alliance, O.
See adv index at end of book
Riter-Conley Co., Oliver bldg., Pittsburgh, Pa.
Sowers Mfg. Co., 1300 Niagara, Buffalo, N. Y.
Sperry D. R. & Co. (Tar), Batavia, Ill.
Treadwell Constr. Co. (Riveted), Midland, Pa.
Warren City Tank & Boiler Co., Warren, Ohio *See adv index at end of book*
Wilfong Millard F. Iron Works Co., 52d & Gray's av, Phila., Pa.

6873a—Kettles (Lead Lined)

Am. Lead Burning Corp., 30 Church, New York
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Sowers Mfg. Co., 1300 Niagara, Buffalo, N. Y.

6874— Kettles (Maslin)

Indiana Hollow Ware Co., Jeffersonville, Ind.

6875— Kettles (Melting)

Connery & Co., Inc., 4000 N. 2nd Phila., Pa. *See adv index at end of book*
Buckeye Products Co., Inc. ("Buckeye" Furnace), 915-917 W. 5th, Cincinnati, Ohio *See adv index at end of book*
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Mullins Body Corp. (Metal), Dept. H, Salem, Ohio
Schaefer Co., Emil, 1320 N 5th, Philadelphia, Pa.
Sholes, Inc., 186 Lafayette, New York
Sowers Mfg. Co., 1300 Niagara, Buffalo, N. Y.

6875a—Kettles (Monel Metal—Seamless Drawn)

INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book

6875b—Kettles (Nitrating)

Bethlehem Foundry & Machine Co., South Bethlehem, Pa.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Devine J. P. Co., 1372 Clinton, Buffalo, N. Y.
General Ceramics Co., Hudson Terminal bldg, New York
Moore Samuel L. & Sons Corp., Elizabeth, N. J.
Sowers Mfg. Co., 1300 Niagara, Buffalo, N. Y.
Superior Fdry. Co., Dept. H, E 71st & W. & L. E. Ry., Cleveland, O.

6876—Kettles (Paint & Varnish)

(Names with * also manufacture Monel Metal)

Aluminum Co. of America (Aluminum), 2301 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book
American Welding Co., Carbondale, Pa.
Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
*Beckley Perforating Co., Garwood, N. J.
*Booth-Coulter Copper & Brass Co., Toronto, Ontario, and Montreal, Quebec
Breese Bros. Co. The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Bucyrus Copper Kettle Works Co. The, Bucyrus, O.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
*Cleveland Metal Products Co., 7609 Platt av S E, Cleveland, Ohio
Connery & Co., Inc., 4060 N. 2nd, Phila., Pa. *See adv index at end of book*
*Dahlquist Mfg. Co., Boston, Mass.
Dover Boiler Works—Sales Office, 40 Church, New York.
See adv index at end of book
Dutwiler Mfg. Co., 2437 E 23rd, Los Angeles, Cal.
*Emerson & Sack, 77 Haverhill, Boston, Mass.
*Farrar & Trefts, Buffalo, N. Y.
Freiinger J. G. Iron Works (Steel & Copper), 115 W 2nd, Cincinnati, O.
*Furman Engineering Corp., 30 Church, New York
Heggie James G. & Sons, Joliet, Ill.
*Hendrick Mfg. Co., Carbondale, Pa.
INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book

INCo
Monel metal
VARNISH and OIL BOILING KETTLES
Resists corrosion of Gums, Resins, Oils, etc., resulting in paler varnish.
Strong as steel and resists high temperatures.
SEE OUR INSERT AT MONEL METAL
THE INTERNATIONAL NICKEL COMPANY
67 Wall Street New York, N.Y.

*Kirsten O., 51 Tehama, San Francisco, Cal.
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
*Liberty Coppersmithing Co., Philadelphia, Pa.
Littleford Bros., 444 E Pearl, Cincinnati, Ohio
See adv index at end of book
MacLeod Co. (Japanning), 2227 Bogen, Cincinnati, O.
See adv index at end of book
Marshall Foundry Co., 28th & RR., Pittsburgh, Pa.
*Matt Corcoran & Co., 118 N 5th, Louisville, Ky.
*National Copper & Steel Tank Works, 455 North Artesian av, Chicago, Ill.
*Norwood Copper Co., Norwood, O.
Oat Joseph & Sons, 223 Quarry, Phila., Pa.
Ohio Machine & Boiler Co., 1510H University rd, Cleveland, O.
Pacific Copper & Brass Works, Inc., 1915 E 7th, Los Angeles, Cal.
*Quaker City Welding Co., 22nd & Parkway, Philadelphia, Pa.
*Ruslander & Son, A. S., Buffalo, N. Y.
*Schaefer Co., Emil, Philadelphia, Pa.
*Seymour David C., Newark, N. J.
*Sholes, Inc., 186 Lafayette, New York
Sowers Mfg. Co., 1800 Niagara, Buffalo, N. Y.
STENDER COPPERSMITH CO. THE, 2930 Smallman, Pittsburgh, Pa.
See adv index at end of book
Young Bros. Co., 6560H Mach. av, Detroit, Mich.

6876a— Kettles (Pressure)

INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Schaefer Co., Emil, 1320 N 5th, Philadelphia, Pa.
Sholes, Inc., 186 Lafayette, New York

6877— Kettles (Process)

Alaskan Copper Works, 3000 E Marginal Way, Seattle, Wash.
Baltzel Steel Farm & Iron Co., The, Warren, O.
See adv index at end of book
Littleford Bros., 444 E Pearl, Cincinnati, Ohio *See adv index at end of book*
Oakland Copper & Brass Wks., 7th & Kirkham, Oakland, Cal.
Oat Joseph & Sons, 223 Quarry, Phila., Pa.
Pacific Copper & Brass Works, Inc., 1915 E 7th, Los Angeles, Cal.
Premier Machinery Co., 310 Sansome, San Francisco, Cal.
See adv index at end of book
Renneburg E. & Sons Co., 2639 Boston, Baltimore, Md.
Sprague Foundry & Mfg. Co. (For Canning Factories), Council Bluffs, Ia.
Wagner Mfg. Co., Sidney, O.
Zastrow Geo. W., 1410 Thames, Baltimore, Md.

6877a— Kettles (Reduction)

Buffalo Foundry & Machine Co., 65 Winchester, Buffalo, N. Y.
See adv. index at end of book.
Devine J. P. Co., 1372 Clinton, Buffalo, N. Y.
Hercules Engineering Corpn., 300 Madison av, New York
Oat Jos. & Son, 223 Quarry, Phila., Pa.
Sperry D. R. & Co., Batavia, N. Y.

6877b— Kettles (Rochester)

Roos Chas. A., 439 E. 91, New York.

6877c— *Kettles (Roofing)

Breese Bros. Co. The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Connery & Co., Inc., 4060 N. 2nd, Phila., Pa. *See adv index at end of book*
Dutwiler Mfg. Co., 2437 E 23rd, Los Angeles, Cal.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

6878— Kettles (Size)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Cohoes Iron Foundry & Machine Co., 66th & S 60th av, Chicago, Ill.
Devine J. P. Co., 1372 Clinton, Buffalo, N. Y.
Franklin Machine Co., Providence, R. I.
See adv index at end of book
Koven L. O. & Bros., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Lombard Iron Works & Supply Co., Augusta, Ga.
Roos Chas. A., 439 E. 91, New York.
Saco-Lowell Shops, Boston, Mass.
Sowers Mfg. Co. (Textile Mill), 1800 Niagara, Buffalo, N. Y.
Sperry D. R. & Co., Batavia, N. Y.
Townsend Foundry & Machine Shop Co. (Aniline), Broadway & Rensselaer, Albany, N. Y.
See adv index at end of book

6879— Kettles (Smelting)

Superior Fdry. Co., Dept. H, E. 71st & W. & L. E. Ry., Cleveland, O.
Vulcan Iron Works, 327 N Irving av, Chicago, Ill.
Wilfong Millard F. Iron Works Co., 52d & Gray's av, Phila., Pa.

6880— Kettles (Soap)

Breese Bros. Co. The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Cambridge Iron Works, Cambridge, Mass.
Connery & Co., Inc., 4060 N. 2nd, Phila., Pa. *See adv index at end of book*
Devine J. P. Co., 1372 Clinton, Buffalo, N. Y.
Littleford Bros., 444 E. Pearl, Cincinnati, Ohio *See adv index at end of book*
New York Central Iron Wks. Co., Inc., Dept. H, Hagerstown, Md.
Sowers Mfg. Co., 1800 Niagara, Buffalo, N. Y.
Sperry D. R. & Co. (Farmers' Soap Boiling), Batavia, Ill.

6881—Kettles (Soda, Tool Cleaning)

Brown & Sharpe Mfg. Co., Providence, R. I.
Combustion Utilities Corp., 8-10 Bridge, New York
GRAY & PRIOR MACHINE CO. (Soda & Potash), 96 Suffield, Hartford, Conn.
See adv index at end of book
Koven L. O. & Bros., 154 Ogden av, Jersey City, N. J. *See adv index at end of boo*
Manufacturing, Equipment & Engineering Co. ("Meeco"), Framingham, Mass.
Mather W. H. H. (Soda & Potash), 105th & Quebec av, Cleveland, O.
Northwestern Copper & Brass Works, 59 W 3d, St. Paul, Minn.
Sowers Mfg. Co. (and Potash), 1800 Niagara, Buffalo, N. Y.

6882— Kettles (Spelter)

American Bridge Co., 30 Church, New York

6883—Kettles (Steam Jacketed)

(Names with * also manufacture Monel Metal)

Alaskan Copper Works, 3000 E Marginal way, Seattle, Wash.
Allentown Boiler Works, 332 Walnut, Allentown, Pa.
Aluminum Co. of America (Aluminum), 2301 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book
Aluminum Cooking Utensil Co. ("Wear-Ever"), New Kensington, Pa.
American Copper & Brass Works, 614 E Front, Cincinnati, O.
American Welding Co., Carbondale, Pa.
Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
BADGER E. B. SONS CO., 75-A Pitts, Boston, Mass.
See adv index at end of book
Baeuerle & Morris (Copper, Tin or Lead Lined), 932 N Front, Phila., Pa.
Baker G. W. Machine Co. (And Mixers For Tanners & Curriers), Wilmington, Del.
*Beckley Perforating Co., Garwood, N. J.
Blymer Iron Works Co., Cincinnati, O.
*Booth-Coulter Coppersmithing Co., Ltd., Montreal, Que., Can.
Boston Copper Works Co., E Boston, Mass.
Braman, Dow Co., 239 Causeway, Boston, Mass.
Brecht Co. (For Packers & Lard Renderers), 1201 Cass av, St. Louis, Mo.
Brewer Wm. W., Troy, N. Y.
*Brighton Copper Works, 2160 Western av, Cincinnati, O.
Buckeye Boiler Co., Dayton, O.
Bucyrus Copper Kettle Works Co. (The), Bucyrus, O. *See adv index at end of book*
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Clark Engine & Boiler Co., Kalamazoo, Mich.
Colton Arthur Co., 2600H E Jefferson, **Detroit, Mich.**
DAHLQUIST MFG. CO. (Copper), 40 W 3d, So. Boston, Mass.
See adv index at end of book
Day J. H. Co., Cincinnati, O.
Devine J. P. Co., 1372 Clinton, Buffalo, N. Y.
Dover Boiler Works (For All Purposes), **Sales Office: 40 Church, New York;** Works: Dover, N. J.
See adv index at end of book
Duparquet, Huot & Moneuse Co., 110 W 22d, New York
Durison Castings Co. (Acid Proof), Dayton, O.
Elyria Enameled Products Co. (Glass Enameled, 50 to 800 Gallons), Elyria, O.
Eureka Mach. Co., Cleveland, O.
French Oil Mill Machinery Co. (For Cottonseed & Linseed Oil Mills, etc), Piqua, O.
Gerstein Bros. & Cooper, 3 W 3d, South Boston, Mass.
Goldner Henry Boiler & Tank Works, Water & Mullin, Phila., Pa.
Hamler Boiler & Tank Co., Dept. W 66th & S 60th av, Chicago, Ill.
Harris Arthur & Co. (Copper), 212 Curtis, Chicago, Ill.
Heggie James G. & Sons, Joliet, Ill.
*Hendrick Mfg. Co., Carbondale, Pa.
Holmberg Chas. & Co. (Copper), 1439 Austin av, Chicago, Ill.
Hubbert B. H., 3601 E Pratt, Baltimore, Md.
Hutchinson Bros., 5 S Howard, Baltimore, Md.
Illinois Pure Aluminum Co. (Aluminum), Lemont, Ill.
INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book

INCo
Monel metal
STEAM JACKETED KETTLES
1—Resist corrosion.
2—Strong as steel.
3—Do not contaminate the product.
4—No tinning or plating to wear off.
SEE OUR INSERT AT MONEL METAL
THE INTERNATIONAL NICKEL COMPANY
67 Wall Street New York, N.Y.

Kelso & Co., 559 W Quincy, Chicago, Ill.
KOVEN L. O. & BRO., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Krenz Oscar Copper & Brass Works, 612 Bryant, San Francisco, Cal.

Langsenkamp F. H., Indianapolis, Ind.
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
Littleford Bros., 444 E Pearl, Cincinnati, O. *See adv index at end of book*
McNamara Bros Co., Westport, Baltimore, Md.
Mac Leod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Manitowoc Engineering Works, Manitowoc, Wis.
Maryland Mfg. Co., 1915 Ashland av, Baltimore, Md.
Mott J. L. Iron Works, Trenton, N. J.
Motter's Geo. F. Sons, York, Pa.
Munroe R. & Sons Mfg. Corp., 23d & Smallman, Pittsburgh, Pa.
Nason Mfg. Co. (Jobbers), 71 Fulton, New York *See adv index at end of book*
New York Central Iron Wks. Co., Inc. (Canners), Dept. H, Hagerstown, Md.
Novelty Steam Boiler Works (Triplett & Jennings, Prop's), 917 S Howard, Baltimore, Md.
Oakland Copper & Brass Wks., 7th & Kirkham, Oakland, Cal.
Oat Joseph & Sons, 223 Quarry, Phila., Pa.
Ohio Machine & Boiler Co., 1510H University rd, Cleveland, O.
Pacific Copper & Brass Works, Inc., 1915 E 7th, Los Angeles, Cal.
Picking D. & Co., Bucyrus, Ohio.
Reeves Bros Co., (The), Alliance, Ohio. *See adv index at end of book*
Ross Chas. & Son Co., 143 Classon av, Brooklyn, N. Y.
*Ruslander & Son, A. S., Buffalo, N. Y.
Savage Bros. Co. (Candy Makers), 2638 Gladys av, Chicago, Ill.
Scannell Boiler Works, Lowell, Mass.
*Schaefer Co., Emil, 1320 N 5th, Philadelphia, Pa.
Schaefer Copper Works Inc., 533 N 22nd, Portland, Ore.
Seattle Copper Works, King & Railroad av, Seattle, Wash.
Seibel-Suessdorf Copper & Iron Mfg. Co., 2d & Lombard, St. Louis, Mo.
Sexton S. B. Stove & Mfg. Co. (Cast Iron), 500 W. Conway, Baltimore, Md.
*Sholes, Inc., 186 Lafayette, New York
Smith's Jno. E. Sons Co. (For Tanners), Buffalo, N. Y
Sowers Mfg. Co. (Seamless), 1300 Niagara, Buffalo, N. Y.
Sperry D. R. & Co., Batavia, Ill.
Sprague Canning Machinery Co. (For Canners), 222 N Wabash av, Chicago, Ill.
STENDER COPPERSMITH CO. THE, 2930 Smallman, Pittsburgh, Pa. *See adv index at end of book*
Stokes F. J. Machine Co., 6138 Tabor, Phila., Pa.
Stuart & Peterson Co., Burlington, N. J.
Treadwell Construction Co., Midland, Pa.
Turner Tanning Machinery Co. ("Turner"), Peabody, Mass.
Walworth Mfg. Co., Boston, Mass.
Young Bros. Co. (Copper), 666 Mack, Detroit, Mich.

6884— Kettles (Sugar)

Birmingham Stove & Range Co. (Cast Iron), Birmingham, Ala.
Blymyer Iron Works Co., Cincinnati, O.
Breese Bros. Co. The (Welded Steel), 2849 Reading rd, Cincinnati, O. *See adv index at end of book*
Bucyrus Copper Kettle Works Co. (The), Bucyrus, O. *See adv index at end of book*
Chattanooga Plow Co., Crtr & Main, Chattanooga, Tenn.
Columbus Iron Works (Syrup Only), Columbus, Ga.
Connery & Co., Inc., 4000 N. 2nd, Phila., Pa. *See adv index at end of book*
Devine J. P. Co., 1372 Clinton, Buffalo, N. Y.
Glascock Stove & Mfg. Co. (Cast Iron), Greensboro, N. C.
Gray & Dudley Hardware Co., Nashville, Tenn.
Indiana Foundry Co., Dept H, Indiana, Pa.
Indiana Hollow Ware Co., Jeffersonville, Ind.
Kehoe Iron Works, Savannah, Ga.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
New York Central Iron Wks. Co., Inc. (& Syrup), Dept. H, Hagerstown, Md.
Oat Joseph & Sons, 223 Quarry, Phila., Pa.
Over Ewald, 921 Biddle, Indianapolis, Ind.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Southern Plow Co. (Cast Iron), Columbus, Ga.
Sperry D. R. & Co. (Sugar or Wash), Batavia, Ill.
Turl Iron & Car Co., Inc., The, 50 Broad, New York Works: Newburgh, N. Y.
Wagner Mfg. Co., Sidney, Ohio.

6884a—Kettles (Sulphonating)

Buffalo Foundry & Machine Co., 65 Winchester, Buffalo, N. Y. *See adv index at end of book*
Devine J. P. Co., 1372 Clinton, Buffalo, N. Y.
Hercules Engineering Corp., 300 Madison av, New York
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Sowers Mfg. Co., 1300 Niagara, Buffalo, N. Y.
Sperry D. R. & Co., Batavia, Ill.
Superior Fdry. Co., Dept. H, E. 71st & W. & L. E. Ry., Cleveland, O.
Townsend Fdry. & Mach. Shop Co., Albany, N. Y. *See adv index at end of book*
Valley Iron Works, 31H E Water, St. Paul, Minn.

6885— Kettles (Tar)

Barber Asphalt Paving Co. ("Iroquois" Asphalt Kettles 50 to 400 Gals.), Land Title bldg, Phila., Pa.
Breese Bros. Co. The, 2849 Reading rd, Cincinnati, O. *See adv index at end of book*
Central Boiler Works, 5791 Russell, Detroit, Mich.
Connery & Co., Inc., 4000 N. 2nd, Phila., Pa. *See adv index at end of book*
DUTWILER MFG. CO. (Ground & Wheel Kettles), 2437 E 23rd, Los Angeles, Cal.
Evans F. H., Est. of, 31 Hewes, Brooklyn, N. Y.
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Hibbs E. A., Quarry & Bread, Phila., Pa.
Honhorst Joseph Co., 1016 W 6th, Cincinnati, O.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Leslie, Elliott & Co., Paterson, N. J.
Littleford Bros., 444 E Pearl, Cincinnati, O. *See adv index at end of book*
MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Madsen Iron Works, 5529 Bicket, Huntington Park, Cal.
Meyer Henry H. Co. (The), (Dealers), 110 S Howard, Baltimore, Md. *See adv index at end of book*
Ohio Machine & Boiler Co. 1510H University rd, Cleveland, O.
Pioneer Iron Works, 149 Pioneer, B'klyn, N. Y.
Riter-Conley Co., Oliver Bldg., Pittsburgh, Pa.
Russell Daniel Boiler Works, 93 Boston, Boston, Mass.
Smith Samuel & Son Co., Paterson, N. J.
Sperry D. R. & Co., Batavia, Ill.
Stafford Wright & Son, Lawrence, Mass.
Standard Metal Products Co., 553 Bryant, San Francisco, Cal.
Stuebner G. L. Iron Works, Queensboro Terminal, L. I. City, N. Y.
Treadwell Construction Co., Midland, Pa.
Tidewater Iron Works, Hoboken, N. J.
Union Iron Works, Hoboken, N. J.

Kettles (Tea, Etc.)

See Aluminum Ware Mfrs.; also Copper Ware, Stamped, etc.; also Enameled Ware Mfrs.; also Tinware Mfrs.; also Hollow Ware, Stove

6886— Kettles (Thawing)

Atlas Powder Co., Wilmington, Del.
Bucyrus Copper Kettle Works Co. The, Bucyrus, O.
DU PONT E. I. DE NEMOURS & CO. INC., Explosives & Smokeless Powder Depts. ("Du Pont" Dynamite. See adv. at Explosives), Wilmington, Del. *See adv index at end of book*
Giant Powder Co., San Francisco, Cal.
Hercules Powder Co. (Dynamite), Wilmington, Del.

6887— Kettles (Tilting)

Bucyrus Copper Kettle Works Co. (The), Bucyrus, O. *See adv index at end of book*
Devine J. P. Co., Buffalo, N. Y.
Oat Joseph & Sons, 223 Quarry, Phila., Pa.
Seibel-Suessdorf Copper & Iron Mfg. Co., 2d & Lombard, St. Louis, Mo.
Sowers Mfg. Co., 1300 Niagara, Buffalo, N. Y.
Stuart & Peterson Co. (Iron), Burlington, N. J.

6887a—Kettles (Tin or Silver Lined)

Aufrichtig A. Copper & Iron Works, 900 S 3rd, St. Louis, Mo.
Badger E. B. & Sons Co., 75-A Pitts, Boston, Mass. *See adv index at end of book*
Bucyrus Copper Kettle Works Co. (The), Bucyrus, O. *See adv index at end of book*
Roos Chas. A., 421 E. 91, N. Y.

6887b— Kettles (Vacuum)

Bucyrus Copper Kettle Works Co. (The), Bucyrus, O. *See adv index at end of book*
BUFFALO FDRY. & MACH. CO., 65 Winchester, Buffalo, N. Y. Buffalo, N. Y. *See adv index at end of book*
Devine J. P. Co., 1372 Clinton, Buffalo, N. Y.
Elyria Enameled Products Co., Elyria, O.
General Ceramics Co., 59 Church, New York.
INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal) *See adv index at end of book*
Krenz Oscar Copper & Brass Works, 613 Bryant, San Francisco, Cal.
Oat Joseph & Sons, 223 Quarry, Phila., Pa.
Pacific Copper & Brass Works, Inc., 1915 E 7th, Los Angeles, Cal.
Pfaulder Co. (Glass Enameled), Cutler Bldg., Rochester, N. Y.
Roos Chas. A., 429 East 91st, New York.
Savage Bros. Co., 2638 Gladys av, Chicago, Ill.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Sholes, Inc., 186 Lafayette, New York
Sowers Mfg. Co., 1300 Niagara, Buffalo, N. Y.
Stender Coppersmith Co. The, 2930 Smallman, Pittsburgh, Pa. *See adv index at end of book*
Stokes F. J. Machine Co., 6138 Tabor, Phila., Pa.

6887c—Kettles (Water Jacketed)

Elyria Enameled Products Co., Elyria, O.
Houchin-Aiken Co., 26 Court, Brooklyn, N. Y.
Koven L. I. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Oat Jos. & Sons, 223 Quarry, Phila., Pa.
Pfaudler Co. (Glass Enameled), Cutler bldg, Rochester, N. Y.

6888—Key Plates (Porcelain)

Bucyrus Copper Kettle Works Co. The, Bucyrus, O.
Sargent & Co. (Also Metal), New Haven, Conn.

Keyridge

See Iron, Cellular, for Fireproofing

Key-Seaters

See Machines, Key-Seating; also Tools, Key-Seating

6889—Keys (Auto Gas Tank)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.

6890— Keys (Brake Shoe)

American Brake Shoe & Foundry Co., Mahwah, N. J.
Beall Bros. (Inc.), Alton, Ill.
Bethlehem Steel Co., Bethlehem, Pa.
Cleveland City Forge & Iron Co., Cleveland, O.
Etna Forge & Bolt Co., 803 House bldg, Pittsburgh, Pa.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
St. Louis Car Co., 3000 N B'way, St. Louis, Mo.
Steel Car Forge Co. (Iron or Steel for Christie Heads), Frick bldg., Pittsburgh, Pa.
Valley Forging Co., Verona, Pa.
Western Tool & Forge Co., Brackenridge, Pa.

6891—Keys (Flat Spring & Riveted)

See also Cotters, Spring, Etc.

American Nut & Bolt Fastener Co., 8 Ontario, Pittsburgh, Pa.
Bettcher Stamping & Mfg. Co. The, (Flat Riveted), Clark av, Cleveland, O.
Brooks M. S. & Sons (Flat Steel Spring or Riveted), Chester, Conn.
Falls Rivet Co. ("Efficiency"), Kent, Ohio
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Henry & Allen (Flat Riveted, Drop Forged), Auburn, N. Y.
Hindley Mfg. Co. ("Columbia" Flat & Flat Spring Steel), Valley Falls, R. I.
Jencks E. Mfg. Co. (Flat Spring Only), 28 Union, Worcester, Mass.
National Screw & Mfg. Co. (Flat Steel Spring or Riveted), 2440 E 75th, Cleveland, O.
Ohio Wire Goods Mfg. Co., Akron, O.
Pickering R. S. (Steel Flat Spring & Riveted), Sharon Hill, Pa.
Williams J. H. & Co. (Drop-Forged), 400 Vulcan, Buffalo, N. Y.
Washburn Co. (Wire Goods Div.), (Iron Flat Spring), 28 Union, Worcester, Mass.

6892— Keys (Machine)

Hall Mfg. Co. (Finished), Harrison, N. J.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Leard Wm. Co., 16th & 5th av, New Brighton, Pa.
Meyer & Co. (Gib Head), Throopsville, N. Y.
Moltrup Steel Products Co., 127H N Period, Beaver Falls, Pa.
Morton Mfg. Co. (Finished Ready to Drive), Muskegon Heights, Mich.
Pennsylvania Shafting Co. (Finished), Spring City, Pa.
STANDARD GAUGE STEEL CO. (Finished Steel), Beaver Falls, Pa. *See adv index at end of book*
Whitney Mfg. Co. ("Whitney" for the Woodruff System of Keying), H Hamilton, Hartford, Conn.

(Continued on following page)

Keys (Machine)—Continued

Williams J. H. & Co. (Drop-Forged), 400 Vulcan, Buffalo, N. Y.
Wood's T. B. Sons Co., Chambersburg, Pa.

6893— Keys (Press Screw)

Auer John, Jr. (Wrought Iron), 197 Middleton, Brooklyn, N. Y.

Keys (Riveted)

See Keys, Flat Spring & Riveted

6893a—Keys (Sending Radio Telegraph)

Adams Morgan Co., Upper Montclair, N. J.
Am. Electric Co., 6401 S State, Chicago, Ill.
Am. Radio & Research Corp, 203 College, Medford Hillside, Mass.
Bunnell J. H. & Co. ("Bunnell"), 32 Park pl., New York
Clapp Eastham Co., 139 Main, Cambridge, Mass.
Conn. Tel. & Elec. Co., Meriden, Conn.
Crosley Mfg. Co., Alfred & Cook, Cincinnati, O.
Eastern Precision Co., Rockville Centre, N. Y.
Gilbert A. C. Co. ("A. C. Gilbert"), New Haven, Conn.
Grebe A. H. & Co., 70 Van Wyck blvd, Richmond Hill, N. Y.
Karlowa Radio Co., Rock Island, Ill.
Kilbourne & Clark Mfg. Co. ("K. & C."), 101 Spokane, Seattle, Wash.
Manhattan Electrical Supply Co., 17 Park pl, New York
Murdock Wm. J. Co., Everett av, & Carter, Chelsea, Mass.
Radio Corp. of Am., 64 B'way, New York
Ship Owners Radio Service (Dirs.), 80 Washington, New York
United Electric Apparatus Co., 1529 Columbus, Boston, Mass.
Wireless-Equipment Co., 226 Sherman, Newark, N. J.
Wireless Improvement Co., 66 York, Jersey City, N. J.
Wire Specialty Apparatus Co., 76 Atherton, Boston, Mass.

6894—Keys (Socket, Rubber & Composition)

American Hard Rubber Co., 9 Mercer, New York
Auburn Button Works Inc., Auburn, N. Y.
Bryant Electric Co., 1421 State, Bridgeport, Conn.
Electrose Mfg. Co., 70 Wash., Brooklyn, N. Y.
Hemming Mfg. Co., Garfield, N. J.
International Insulating Corp., 25 W. 45th, New York.
Scranton Button Co., Scranton, Pa.
Waterbury Button Corp., 831 S Main, Waterbury, Conn.
See adv index at end of book

6895— Keys (Split)

Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.

6896— Keys (Street Washer)

Anderson W. H. Tool & Supply Co. (Street Shut Off), Franklin & Dubois, Detroit, Mich.
Auer John, Jr. (Wrought), 197 Middleton, Brooklyn, N. Y.

6897— Keys (Woodruff)

Leard Wm. Co., 16th & 5th av, New Brighton, Pa.
Moltrup Steel Products Co., Beaver Falls, Pa.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
STANDARD GAUGE STEEL CO., Beaver Falls, Pa.
See adv index at end of book
Standard Horse Nail Co., New Brighton, Pa.

6898-9— Kieselguhr

Celite Products Co., 53 W Jackson blvd, Chicago, Ill.
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Mineral Products Co., H. W. Hellman bldg, Los Angeles, Cal.
National Sales Co. (Imp.), 31 E 13th, Cincinnati, O.
Salomon L. A. & Bro., 216 Pearl, New York
Whittaker, Clark & Daniels, Inc. (Imp), 250 Front, New York
Wiarda John C. & Co., 33 Provost, Brooklyn, N. Y. *See adv index at end of book*

6900— Killers (Fly, Poison)

Craun Bros. ("Fly Pie"), Butler, Ind.
Kil-M-Ded Products Co., 5000 Moneta av, Los Angeles, Cal.
Lacko Specialty Co., Inc. ("Lilacko"), 824 Montgomery, San Francisco, Cal.
Seibert H. E. ("Seibert Magic"), 475 B'way, St. Paul, Minn.
Southern Calif. Disinfecting Co., 2521 S Main, Los Angeles, Cal.

6901—Killers (Fly, Swatters)

American Badge Co., 143 W Austin av, Chicago, Ill.
Atlas Mfg. Co. ("Smith," "Atlas"), 125 Water, New Haven, Conn.
Best Mfg. Co. (Wire), Charlotte, Mich.
Carswell David ("St. Joe"), St. Joseph, Mo.
Cassady Fairbank Mfg. Co. ("Dandy," "Excelsior"), 6126 S La Salle, Chicago, Ill.
Cawood Novelty Mfg. Co., Danville, Ill.
Cupples Samuel Woodenware Co., 7th & Spruce, St. Louis, Mo.
Dollar W. H. Mfg. Co. ("Keenest"), Camden, N. J.
Drake A. W. Mfg. Co., Hazelton, Pa.
Fischer Bros. & Corwin, 235 N 3d, Newark, N. J.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Hercules Products Co., Council Bluffs, Ia.
Hoaglin Mfg. Co. ("Badger"), Waupaca, Wis.
Lubbers & Bell Mfg. Co. ("Jackson" Steel Spring "Ajax," "Bingo," "Samson," "Sambo"), Clinton, Iowa
Merrifield Co. ("Champion"), Springvale, Me.
Metzger R. A., New Philadelphia, O.
Osborn Mfg. Co., 5405 E Hamilton, Cleveland, O. *See adv index at end of book*
Parker Wire Goods Co. ("Eureka," "Easy" Wire), Worcester, Mass.
Racine Iron & Wire Works, Racine, Wis.
Somers Harold (Daisy), 150 De Kalb av, Brooklyn, N. Y.
Standard Vending Machine Co., Hazelton, Pa.
Timberlake J. B. & Sons ("Jason & "Gem" Wire Screen), Jackson, Mich.
U. S. Wire Mat Co. ("King," "Queen," "Princess," "Prince," "Yankee," "Kant Mis," "Swatmor," "Vexen," "Swat-Sticka"), Decatur, Ill.
Washburn Co. (Andrews Division), Preston, Rockford, Ill.
Wickwire Spencer Steel Corp, 41 E 42nd, New York *See adv index at end of book*
Wilson-Hurd Co. ("Getsum"), Wausau, Wis.
Washburn Co. (Wire Goods Div.), 28 Union, Worcester, Mass.
Wire Hardware Co., 6126 S La Salle, Chicago, Ill.

6902—Killers (Gopher & Squirrel)

California Chemical Co. ("Bunt's" Rodent Exterminator), 694 4th, San Francisco, Cal.
Dugan Herbert F. ("Kilmol"), 1170 Sutter, San Francisco, Cal.
Felix Girard Co., Inc., 4th av. So. & Franklin, Minneapolis, Minn.
Leinen John F. Chemical Co., 177 Jessie, San Francisco, Cal.

6903—Killers (Weed, Chemical)

Barnes & Fisher Mfg. Co., 2931 1st av S, Seattle, Wash.
Chipman Chemical Engng. Co., Inc. ("Atlas A"), 136 Liberty, New York
Reade Mfg. Co. ("Herbicide"), Hoboken, N. J.
Weedicator Weed Co. ("Weedicator"), 1233 E 6th, Los Angeles, Cal.

6904—Kiln Drying Apparatus Mfrs.

American Blower Co., 6004 Russell, Detroit, Mich.
Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
BAYLEY MFG. CO. (For Lumber, etc.), 766 Greenbush, Milwaukee, Wis.
Bentz Engineering Corp., 90 West, New York
Buffalo Forge Co., 490 B'way, Buffalo, N. Y.
Christie L. R. Co., 501 Peoples Bank bldg., Pittsburgh, Pa.
Combustion Utilities Corp., 8-10 Bridge, New York
Curtis-Hosey Dryer Co., Pyle bldg, 23rd & Chestnut, Philadelphia, Pa.
Drying Systems, Inc., 910 S. Michigan av, Chicago, Ill.
Filer & Stowell Co., 219 Beecher, Milwaukee, Wis.
Garden City Fan Co., 332 S Michigan av, Chicago, Ill.
Henderson Drying Equipment Corp., 283 Holland, Syracuse, N. Y.
See adv index at end of book
Janney & Co., Montgomery, Ala.
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
New York Blower Co., Archer av & Canal, Chicago, Ill.; Works: Bucyrus, O.
Standard Dry Kiln Co. (for Lumber), Harding & Belt, Indianapolis, Ind.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

Kilns (Brick)

See Kilns, Dry with the Word "Brick" Following the Name

6905— Kilns (Cement)

Allis-Chalmers Mfg. Co. (Rotary), Milwaukee, Wis.
See adv index at end of book
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.
Connery & Co., Inc., 4000 N. 2nd, Phila., Pa. *See adv index at end of book*
Horton Steel Works Ltd., 118 Janet, Bridgeburg, Ont., Can.
PITTSBURGH-DES MOINES STEEL CO., 304 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Traylor Engng. & Mfg. Co., Allentown, Pa.
Vulcan Iron Works, 1737 S Main, Wilkes-Barre, Pa.
Worthington Pump & Machinery Corp., 115 Broadway, New York

6906— Kilns (Ceramic)

Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

THE SURFACE COMBUSTION CO.

Service and quality of equipment throughout the world for China, Electric Porcelain or Common Brick are important factors which are assured by

THE SURFACE COMBUSTION CO.
334 Gerard Avenue Bronx, N. Y.

6907— Kilns (China)

Bellevue Furnace Co. ("Perfection" for Firing, Decorated China, Glass, Pottery & Enamel Ware), 2971 Bellevue av, Detroit, Mich.
Caulkins H. J. & Co. ("Revelation"), State & Griswold, Detroit, Mich.
Denver Fire Clay Co., 1746 Champa, Denver, Colo.
Egle Bros. Mfg. Co., 169 Sylvester, Detroit, Mich.
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Ideal China Kiln Co., Port Huron, Mich.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Stearns, Fitch & Co. ("Fitch" Portable, Gas or Charcoal), Springfield, O.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

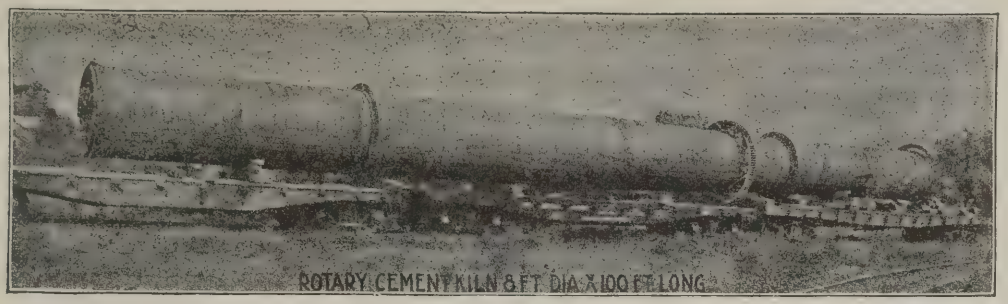
6908— Kilns (Continuous)

American Dressler Tunnel Kilns Inc., 1740 E 12th, Cleveland, O.
Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.
Glamorgan Pipe & Foundry Co. (Discharge Gas Fired), Lynchburg, Va.
Hoehne R. B. & Associates (Coal-Fired), 4475 Forest Pk, St. Louis, Mo.
International Clay Machy. Co. (Produce Gas Fired), Dayton, O.
Gates Alfred (Down-Draft), Shawmut, Pa.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

6909— Kilns (Dry)

See also Dryers, Brick; also Kiln Drying Apparatus Manufacturers
Am. Blower Co. (Brick), 6004 Russell, Detroit, Mich.
Andrews A. H. Co. (Lumber, Dry Kilns), 107 S Wabash av, Chicago, Ill.
Baker Edw. J. & Co., 608 Otis bldg., Chicago, Ill.
Buffalo Forge Co., 490 B'way, Buffalo, N. Y.
Chicago Steel Tank Co. (Cleaners), Cicero, Ill.
Connery & Co., Inc., 4000 N. 2nd, Phila., Pa. *See adv index at end of book*
Continental Brick Co., Wright bldg, St. Louis, Mo.
CURTIS-HOSEY DRYER CO. ("Thermo-Myst System"), Pyle bldg, 23rd & Chestnut, Philadelphia, Pa.
Cutler Dry Kiln Co., 20 Churchill, Buffalo, N. Y.
Emerson Dry Kiln Co., 30 Church, New York
Filer & Stowell Co., 219 Beecher, Milwaukee, Wis.
Galland-Henning Mfg. Co. (Malt), 26th av & Montana, Milwaukee, Wis.
See adv index at end of book
Grand Rapids Veneer Works, Grand Rapids, Mich.
Green Fuel Economizer Co., Beacon, N. Y.

KILNS



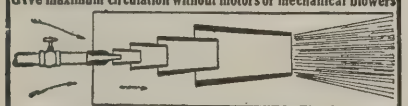
KILNS

WE BUILD ROTARY CEMENT KILNS, DRYERS AND COOLERS. STEEL PLATE CONSTRUCTION OF ALL KINDS. TANKS IN STOCK FOR PROMPT SHIPMENT

THE REEVES BROTHERS CO., ALLIANCE, OHIO

Hadfield-Penfield Steel Co. (The) (Brick & Clay), Bucyrus, O.
See adv index at end of book
Henderson Drying Equipment Co., 284 Holland, Syracuse, N. Y.
See adv index at end of book

HENDERSON STEAM JET BLOWER DRY KILNS
Give maximum circulation without motors or mechanical blowers



HENDERSON DRYING EQUIPMENT CORP.
284 Holland Street, Syracuse, N. Y.

Hoehue R. B. & Associates (Coal-Fired), 4475 Forest Pk, St. Louis, Mo.
Hunter Dry Kiln Co. (For Rubber), 2571 Cornell av, Indianapolis, Ind.
International Clay Machy. Co. (Brick), Dayton, O.
Janney & Co., Montgomery, Ala.
Kelker Blower Co. Inc., 2383 Fillmore av, Buffalo, New York
See adv index at end of book
Koven L. O. & Bro. (Appurtenances), 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Miller J. K. Co. ("Western"), Seattle, Wash.
National Dry Kiln Co. (Lumber), Indianapolis, Ind.
New York Blower Co., Archer av & Canal, Chicago, Ill.
North Coast Dry Kiln Co., Seattle, Wash.
Ohio Kiln Co., Vigo, O.
Ridgway Mfg. Co. ("Murphy" Moist Air Condensing, for Lumber), Ridgway, Pa.
Standard Dry Kiln Co., Indianapolis, Ind.
Yates Alfred (Brick), Shawmut, Pa.

6910— Kilns (Lime Burning)

Allis-Chalmers Mfg. Co. (Rotary), Milwaukee, Wis.
See adv index at end of book
Connery & Co., Inc., 4000 N. 2nd, Phila., Pa. *See adv index at end of book*
Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.
Duff Patents Co., Frick bldg, Pittsburgh, Pa.
Gerdes & Co., 42 Church, New York
See adv index at end of book
Glamorgan Pipe & Fdry. Co., (Continuous Gas Fired) Dept. H, Lynchburg, Va.
Improved Equipment Co. ("Doherty-Eldred" Coal Fired), 60 Wall, New York
McNamara Bros. Co., Westport, Baltimore, Md.
Novelty Steam Boiler Works, 917 S. Howard, Baltimore, Md.
Pacific Car & Equipment Co., South San Fracisco, Cal.
PETROLEUM IRON WORKS CO. OF OHIO, Sharon, Pa.
See adv index at end of book
Smidth F. L. & Co., 50 Church, New York
Steacy-Schmidt Mfg. Co. ("Keystone," Continuous), York, Pa.
Tecktonius E. C. Mfg. Co. ("Teoktonius-Vogt"), Racine, Wis.
Tippett & Wood, Phillipsburg, N. J.
United Iron Works, Inc., Kansas City, Mo.

6911—Kilns (Lime, Sugar Refining)

Christie L. R. Co., 501 Peoples Bank bldg., Pittsburgh, Pa.
Hassell Iron Works Co., Colorado Springs, Colo.
Honolulu Iron Works Co., 233 Broadway, New York
Kilby Mfg. Co., 4623 Lakeside av, Cleveland, O.
Pittsburgh-Des Moines Steel Co., 304 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Stearns-Roger Mfg. Co., 1720 Calif., Denver, Colo.

Kilns (Lumber Drying)

See Kiln Drying Apparatus Mfrs. & Kilns, Dry

6912— Kilns (Malt)

Littleford Bros., 444 E Pearl, Cincinnati, Ohio *See adv index at end of book*

Kilns (Roasting)

See Kilns, Rotary

6913— Kilns (Rotary)

Allis Chalmers Mfg. Co. (Lime, Cement, etc, and Auxiliary Equipment), Milwaukee, Wis.
See adv index at end of book
Bonnot Company, Canton, O.
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Christie L. R. Co., 501 Peoples Bank bldg., Pittsburgh, Pa.
Cummer F. D. & Son Co., H Hanna bldg, Cleveland, O.
Dover Boiler Works, Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Gerdes & Co., 42 Church, New York
See adv index at end of book
Hamler Boiler & Tank Co., Dept. H, W. 66th & So. 60th av, Chicago, Ill.
Horton Steel Works Ltd., 118 Janet, Bridgeburg, Ont., Can.
KENNEDY-VAN SAUN MFG. & ENG. CORP., 50 Church, New York
See adv index at end of book
Leslie, Elliott & Co., Paterson, N. J.
McDermitt Bros. Co., Allentown, Pa.
Manitowoc Engineering Works, Manitowoc, Wis.
Mosser W. F. & Son, Allentown, Pa.
Pacific Car & Equipment Co., South San Francisco, Cal.
PITTSBURGH-DES MOINES STEEL CO., 304 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
REEVES BROS. CO. (for Cement, Lime, etc.), Alliance, O.
See adv index at end of book
Sterritt-Thomas Foundry Co., 32nd & Smallman, Pittsburgh, Pa.
SURFACE COMBUSTION CO., THE, 334 Gerard av, Bronx, New York
See adv index at end of book
Treadwell Construction Co., (For cement, etc.), Midland, Pa.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
United Iron Works, Inc., Kansas City, Mo.
Variety Iron & Steel Works Co., Hamilton av & E 40th, Cleveland, O.
Vulcan Iron Works (Also Dryers), Wilkes Barre, Pa.
Worthington Pump & Machy Corp., 115 B'way, New York

6913a— Kilns (Sewer Pipe)

Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

6914— Kindergarten Supplies

Bradley Milton Co., 74 Park, Springfield, Mass.
Hamilton Mfg. Co., Two Rivers, Wis.
Readsboro Chair Co. (Tables & Chairs), Readsboro, Vt.

6915— Kitchen Sets

American Cutlery Co. ("American Kitchen Friend," "Famous," "Ideal," "Practical,"), 764 Mather, Chicago, Ill.
Cassady Fairbank Mfg. Co. ("Raven," "Blackbird," "White Bird," "Humming Bird"), 6136 S La Salle, Chicago, Ill.
Kohler Die & Specialty Co. ("Six-in-One"), De Kalb, Ill.
White Ira F. & Son Co., Bloomfield, N. J.

6915a—Kitchen Wire Goods

Automatic Wire Goods Mfg. Co., 386 Canal pl, New York
Barbee Wire & Iron Wks., Lafayette, Ind.
Barth L. Son (Dirs.), Cooper sq., New York
Heitler Kurt, 221 4th av, New York
Hoos Jno. Co. (Dirs.), 308 S Hanover, Baltimore, Md.
Hotel Equipment Co., Atlanta, Ga.
Jamestown Hardware Co. (Jobbers), Jamestown, N. Y.
Pioneer Wire Works, 133-135 Federal, Camden, N. J.
See adv index at end of book
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

6915b— Kits (First Aid)

Brewer & Co., 35 Arctic, Worcester, Mass.
First Aid Equipment & Supply Co., 1446 W Slauson, Los Angeles, Cal.
See adv index at end of book

First Aid Emergency Kits
For Accidents
ALSO SPECIAL DESIGN KITS MADE TO ORDER PER YOUR SPECIFICATIONS
First Aid Equipment & Supply Co.
1446 W. Slauson Ave., Los Angeles, Calif.

MOSSO C. A. LABORATORIES INC. (Mosso's First Aid Kits should be in every home and factory. First Aid Kits for factory, $3.50 and $7.50. First Aid Kits for homes and automobiles, $1.00), 214 S. Leavitt, Chicago
See adv index at end of book

6916—Kits (Paint, Paste & Ink)

California Barrel Co., Dept H, 32nd & Illinois, San Francisco, Cal.
Impervious Package Co. (Shellac, Oil, etc), Keene, N. H.
New England Box Co., 104 E 42nd, New York *See adv index at end of book*
Northwestern Wooden Ware Co., 2001 Dock, Tacoma, Wash.
Ohio Pail Co. (Impervious), Middlefield, O.

6917— Kits (Pickle, Etc.)

Beaver Mills, Keene, N. H.
Bousfield Woodenware Co., 3535 Marshall, Minneapolis, Minn.
California Barrel Co., Dept H, 32nd & Illinois, San Francisco, Cal.
Impervious Package Co. (and Food Products), Keene, N. H.

(Continued on following page)

Kits (Pickle, Etc.)—Continued

New England Box Co., 104 E 42nd, New York

6918—Kits (Syrup, Honey, Etc.)

California Barrel Co., Dept H, 22nd & Illinois, San Francisco, Cal.
Pierpont Mfg. Co. (5 & 10 Gallon, Cypress), Savannah, Ga.

6919— Knapsacks

Boyle John & Co., 112 H. Duane, New York
Pettibone Bros. Mfg. Co., 626 Main, Cincinnati, O.
Rosenson D. & Sons, 1600 Baronne, New Orleans, La.
Standard Stamping Co. (Spraying Solution), Huntington, W. Va.

6920-1— Kneaders (Batch)

Abbe Paul O. Inc. ("Abbebilt"), 71 Murray, New York
See adv index at end of book
National Engineering Co., 549 W Washington blvd, Chicago, Ill.

6922—Knife & Weeder (Asparagus)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Cal. Plow Co., 140 H Polhenus, San Jose, Cal.

6923—*Knives (Apple Grinder)

COES LORING & CO. (Inc.), Coes sq, Worcester, Mass.
See adv index at end of book

6924— Knives (Asparagus)

Bateman Mfg. Co., Grenloch, N. J.

6925— Knives (Back Lathe)

Dowd R. J. Knife Works, Beloit, Wis.
Gage E. E. Mfg. Co., Gardner, Mass.
Gardner Machine Works, Gardner, Mass.
Simonds A. A. & Son Co., Dayton, O.

6926— Knives (Banana)

American Cutlery Co., 764 Mather, Chicago, Ill.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Goodell Co., Antrim, N. H.
Harrington Cutlery Co. (Dexter), Southbridge, Mass.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass.
Landers, Frary & Clark, New Britain, Conn.
Lothrop H. A. & Co. ("J. Ames," "J. Sanger"), Sharon, Mass.
Murphy's R. Sons Co. ("R. Murphy's"), Ayer, Mass.
Nichols' W. E. Sons Co., 52 Mill, Greenfield, Mass.
Parkhurst L. D., Danielson, Conn.
Stortz John & Son, 210 Vine, Phila., Pa.
Tuck Mfg. Co., Brockton, Mass.
Weber Supply & Specialty Co. (Jobbers), 2250 So. Union av, Chicago, Ill.
Wells Corporation, The ("Nichols Bros."), 15 Arch, Greenfield, Mass.
See adv index at end of book

6927— Knives (Band)

Aero Wks., Inc., 136 Liberty, New York
Henry & Allen (For Threshers), Auburn, N. Y.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Meriden Cutlery Co. (Sickle Edge), Meriden, Conn.

6928—Knives (Band Cutter & Self Feeder)

COES LORING & CO. (Inc.), Coes sq, Worcester, Mass.
See adv index at end of book
Henry & Allen, Auburn, N. Y.
Herschel R. Mfg. Co., Peoria, Ill.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Meyer & Co., Throopsville, N. Y.

Knives (Bark Grinder)

See Knives, Wood Barking Machine

6929—Knives (Barrel Machine)

Aero Wks., Inc., 136 Liberty, New York
Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.
Cocker Saw Mfg. Co., Lockport, N. Y.
Coes Loring & Co., Inc., Coes sq, Worcester, Mass. *See adv index at end of book*
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Simonds A. A. & Son Co., Dayton, O.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Worden Tool Co., 1854 Scranton rd, Cleveland, Ohio

6930—Knives (Bean Harvester)

American Knife Co., Baldwinsville, N. Y.
Glogau & Co., Great Lakes bldg, Chicago, Ill.

6931—Knives (Beet Topper)

Aero Wks., Inc., 89 Warren, New York.
Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Clyde Cutlery Co., Clyde, O.
Disston Hy & Sons, Tacony, Phila., Pa.
Glogau & Co., Great Lakes bldg, Chicago, Ill.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Landers, Frary & Clark, New Britain, Conn.
Ontario Knife Co., Franklinville, N. Y.
Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.

6932— Knives (Belt)

Aero Wks., Inc., 136 Liberty, New York
American Tool & Machine Co. ("Crescent" for Leather Splitting Machines), 10 High, Boston, Mass.
Clemson Knife Co., Woburn, Mass.
Fowle John L., Woburn, Mass.
Lyons Edw. S., Woburn, Mass.
Manufacturers Belt Hook Co. ("L-X"), 1321 W Congress, Chicago, Ill.
Mulherin Belt Knife Co., Peabody, Mass.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Stehling Chas. Co., 461 4th, Milwaukee, Wis.
Turner Tanning Machinery Co. ("Turner"), Peabody, Mass.

6933— Knives (Bench)

Kendrick-Davis Co. ("K.-D."), Lebannon, N. H.

"When Writing to Firms"

6934—Knives (Bone Cutter)

Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.
COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book
Glogau & Co., Great Lakes bldg, Chicago, Ill.
Wells Corporation, The ("Nichols Bros."), 15 Arch, Greenfield, Mass.
See adv index at end of book

6935—Knives (Bookbinders')

COES LORING & CO. (INC.) ("Micro-Ground"), **Coes sq, Worcester, Mass.**
See adv index at end of book
Glogau & Co., Great Lakes bldg, Chicago, Ill.
Hankey A. & Co., Rochdale, Mass.
Latham Machinery Co., 1153 Fulton, Chicago, Ill.
Richard Stephen Co., Southbridge, Mass.

6936—Knives (Box Corner Cutter)

COES LORING & CO. (INC.) ("Micro-Ground"), Coes sq, Worcester, Mass.
See adv index at end of book
Huther Bros. Saw Mfg. Co, Rochester, N. Y. *See adv index at end of book*

6937— Knives (Bread)

American Cutlery Co., 764 Mather, Chicago, Ill.
Boker Cutlery & Hardware Co., Inc. (Importers), 101 Duane, New York
Cattaraugus Cutlery Co. ("Cattaraugus"), Little Valley, N. Y.
Christy Knife Co., Fremont, O.
Clauss Shear Co. ("Clauss," Serrated & Plain), Fremont, O.
Clyde Cutlery Co., Clyde, O.
Dunn Ege Tool Co. ("Lightning"), Oakland, Me.
Goodell Co., Antrim, N. H.
Graef & Schmidt (Imported), 107 Chambers, New York
Grammes L. F. & Sons (Advertising), 311 Union, Allentown, Pa.
See adv index at end of book

Harrington Cutlery Co. (Dexter), Southbridge, Mass.
Knickerbocker Mfg. Co. (Also Serrated Bread Knives), Belleville, N. J.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass
Landers, Frary & Clark ("Universal"), New Britain, Conn
Lothrop H. A. & Co. ("J. Ames," "J. Sanger"), Sharon, Mass.
Meriden Cutlery Co. ("Anvil Brand"), Meriden, Conn.
Nichols' W. E. Sons Co., 52 Mill, Greenfield, Mass.
Northampton Cutlery Co., Northampton, Mass.
North Wayne Tool Co. ("C. C. Brooks"), Hallowell, Me.
Ontario Knife Co., Franklinville, N. Y.
Parkhurst L. D., Danielson, Conn.
Richard Stephen Co. ("S. R. Richard"), Southbridge, Mass.
Russell Jno. Cutlery Co., Turners Falls, Mass.
Tuck Mfg. Co., Brockton, Mass.
Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.
Wells Corporation, The ("Nichols Bros."), 15 Arch, Greenfield, Mass.
See adv index at end of book
White Ira F. & Son Co., Bloomfield, N. J.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

6938— Knives (Brick)

American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept. H, 14th & State, Chicago Heights, Ill.
Tinker F. & Sons Co., 5687 Butler, Pittsburgh, Pa.

6939— Knives (Broom Corn)

Harrington Cutlery Co. ("Dexter"), Southbridge, Mass.
Hyde Mfg. Co., Southbridge, Mass.
Ontario Knife Co., Franklinville, N. Y.
Richard Stephen Co. ("S. R. Richard"), Southbridge, Mass.

6940— Knives (Burr)

Emrich Phil. (For Sheepskin Tanners), 824 Main, Cincinnati, O.

6941— Knives (Butchers')

Boning, Sticking, Cutting, Etc.

American Cutlery Co., 764 Mather, Chicago, Ill.
Barr Bros. Co. (Hand Made), Oakland, Cal.
Boker Cutlery & Hardware Co., Inc. ("Peppercorn," "Jno. Wilson's" Imported Knives & Steels), 101 Duane, New York
Brecht Co., 1201 Cass av, St. Louis, Mo.
Cattaraugus Cutlery Co. ("Cattaraugus"), Little Valley, N. Y.
Chatillon Jno. & Sons, 85 Cliff, New York
Clyde Cutlery Co., Clyde, O.
Enderes Inc., Albert Lea, Minn.
Emrich Phil., 824 Main, Cincinnati, O.
Foster Bros. & Chatillon Co., Fulton, N. Y.
Goodell Co. ("Star"), Antrim, N. H.
Graef & Schmidt ("J. A. Henckel's Twin Works"), 107 Chambers, New York
Harrington Cutlery Co. ("Dexter"), Southbridge, Mass.
Hollinger Cutlery Co., Fremont, O.
Kastor Adolph & Bros. ("Thomas Wilson," Knives & Steel), 109 Duane, New York
Knickerbocker Mfg. Co., Belleville, N. J.
Lamson & Goodnow Mfg. Co. ("L. & G."), Shelburne Falls, Mass.
Landers, Frary & Clark ("Universal"), New Britain, Conn.
Lothrop H. A. & Co. ("J. Ames," "J. Sanger"), Sharon, Mass.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Meriden Cutlery Co. ("Anvil Brand," "Razor Edge"), Meriden, Conn.
Nichols' W. E. Sons Co., 52 Mill, Greenfield, Mass.
Nittinger Aug., Sr. (Est. of), 826 N. 4th Phila., Pa.
Northampton Cutlery Co., Northampton, Mass.
Ontario Knife Co., Franklinville, N. Y.
Parkhurst L. D., Danielson, Conn.
Pope T. J., Sauquoit, N. Y.
Richard Stephen Co. ("S. R. Richard"), Southbridge, Mass.
Robeson Cutlery Co., Rochester, N. Y.
Russell John Cutlery Co., Turners Falls, Mass.
Tuck Mfg. Co., Brockton, Mass.
Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.
WELLS CORPORATION, THE ("Nichols Bros."), 15 Arch, Greenfield, Mass.
See adv index at end of book
White Ira F. & Son Co., Bloomfield, N. J.
White L. & I. J. Co., 143 Perry, Buffalo, N. Y.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.
Woodworth Knife Works, Nunda, N. Y.
Wostenholm Geo. & Son ("I X L" Imp), 258 B'way, New York

6942— Knives (Candy)

Collins Co., Collinsville, Conn.
Disston Henry & Sons (Inc.), Tacony, Phila., Pa.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Nichols' W. E. Sons Co., 52 Mill, Greenfield, Mass.

6943—Knives (Cane, Machetes, Etc.)

Collins Co. (Hand), Collinsville, Conn.
Honolulu Iron Works Co. (Revolving), 233 Broadway, New York

6944— Knives (Carpet)

Harrington T. J., Southbridge, Mass.
Murphy's R. Sons Co. ("R. Murphy's"), Ayer, Mass.

6945— Knives (Carving)

American Cutlery Co., 764 Mather, Chicago, Ill.
Boker Cutlery & Hardware Co., Inc. ("Tree Brand" Imported), 101 Duane, New York
Buffalo Knife Co., 700 Main, Buffalo, N. Y.
Chatillon Jno. & Sons, 85 Cliff, New York
Christy Knife Co., Fremont, O.
Clauss Shear Co., Fremont, O.
Crescent Mfg. Co., Fremont, O.
Goodell Co., Antrim, N. H.
Graef & Schmidt ("Twin Brand" Imported), 107 Chambers, New York
Knickerbocker Mfg. Co., Belleville, N. J.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass.
Landers, Frary & Clark ("Universal"), New Britain, Conn.
Meriden Cutlery Co. ("Anvil Brand"), Meriden, Conn.
Nichols' W. E. Sons Co., 52 Mill, Greenfield, Mass.
Russell John Cutlery Co., Turners Falls, Mass.
Shelton Tool & Mach. Co., Shelton, Conn.
Wallace R. & Sons Mfg. Co., Wallingford, Conn.
Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.
Wells Corporation, The ("Nichols Bros."), 15 Arch, Greenfield, Mass.
See adv index at end of book
White Ira F. & Son Co., Bloomfield, N. J.
Winchester Repeating Arms Co., 275 Winchester, New Haven, Conn.

6946— *Knives (Celluloid)

COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book

6947—Knives (Chair Bottom)

Anderson Knife & Bar Co., Anderson, Ind.
Dowd R. J. Knife Works, Beloit, Wis.
Ohlen-Bishop Co., 931 Factory, Columbus, Ohio
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.

6948— Knives (Chamfer)

Detroit Edge Tool Works, 3000 E Woodbridge, Detroit, Mich.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Oram John S. Co., 5240 Hamilton av, Cleveland, Ohio
White L. & I. J. Co. (Right & Left & Beer Keg, etc), 143 Perry, Buffalo, N. Y.

6949— Knives (Cheese)

American Cutlery Co., 764 Mather, Chicago, Ill.
Burrell D. H. & Co., Inc., Little Falls, N. Y.
Goodell Co., Antrim, N. H.
Harrington Cutlery Co. (For Family Use), Southbridge, Mass.
Herschel R. Mfg. Co., Peoria, Ill.
Landers, Frary & Clark, New Britain, Conn.
Meriden Cutlery Co., Meriden, Conn.
Nichols' W. E. Sons Co., 52 Mill, Greenfield, Mass.
Russell John Cutlery Co., Turners Falls, Mass.
Wells Corporation, The ("Nichols Bros."), 15 Arch, Greenfield, Mass.
See adv index at end of book
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

6950— Knives (Chipper)

Aero Wks., Inc., 136 Liberty, New York
American Knife Co., Dept H, Baldwinsville, N. Y.
Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.
COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book
Detroit Edge Tool Works, 3000 E Woodbridge, Detroit, Mich.
Dilts Machine Works (Inc.), Fulton, N. Y.
Dowd R. J. Knife Works, Beloit, Wis.
MITTS & MERRILL, 1939 S Water, Saginaw, Mich.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
White L. & I. J. Co., 143 Perry, Buffalo, N. Y.

6951— Knives (Chipping)

Anderson Knife & Bar Co., Anderson, Ind.
Bernz Co., Inc., Otto, 17 Ashland, Newark, N. J.
See adv index at end of book
Osborne C. S. & Co., Box 183, Newark, N. J.
See adv index at end of book
Stortz John & Son, Inc., 210 Vine, Phila., Pa.

6952— Knives (Chopping)

Browne W. F. Mfg. Co., Kingston, N. Y.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Cassady Fairbank Mfg. Co. ("Double Blade," etc.), 6136 S La Salle, Chicago, Ill.
Nichols' W. E. Sons Co., 52 Mill, Greenfield, Mass.
Richard Stephen Co. (Meat), Southbridge, Mass.
Thayer Mfg. Co., Williamsburg, Mass.
Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.

6953— Knives (Cigar)

American Cutlery Co., 764 Mather, Chicago, Ill.
Decker E. F., Saw Works, Albany, N. Y.
Disston Hy. & Sons, Tacony, Phila., Pa.
Emrich Phil., 324 Main, Cincinnati, Ohio
Harrington T. J. ("Dexter"), Southbridge, Mass.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass.
Landers, Frary & Clark, New Britain, Conn.
Lothrop H. A. & Co. ("J. Ames," "J. Sanger"), Sharon, Mass.
Miller, Du Brul & Peters Mfg. Co., Norwood, Cincinnati, O.
Parkhurst L. D., Danielson, Conn.
Richard Stephen Co. ("S. R. Richard"), Southbridge, Mass.
Russell John Cutlery Co., Turners Falls, Mass.
Tuck Mfg. Co., Brockton, Mass.

6954— Knives (Circular)

Aero Wks., Inc., 136 Liberty, New York
Decker E. F., Saw Works, Albany, N. Y.
Disston Henry & Sons, Inc., (For Cork, Cloth, Leather & Paper), Tacony, Phila., Pa.
Huther Bros. Saw Mfg. Co. (For Cork, Cloth, Leather & Paper), Rochester, N. Y. *See adv index at end of book*
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Southern Saw Works, East Point, Ga.
Tinker F. & Sons Co., 5687 Butler, Pittsburgh, Pa.

Knives (Clam)

See Knives, Oyster & Clam

6955—Knives (Cloth Cutting)

Decker E. F., Saw Works, Albany, N. Y.
Emrich Phil ("Emrich" Sheffield Silver Steel), 324 Main, Cincinnati, O.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*

6956—*Knives (Clothes Pin)

COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book

6957—*Knives (Clover Huller)

COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book

6958— Knives (Cooperage)

See also Knives, Drawing
Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.
COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book
Detroit Edge Tool Works, 3000 E Woodbridge, Detroit, Mich.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
White L. & I. J. Co., 143 Perry, Buffalo, N. Y.

6959— Knives (Cope Cutter)

COES LORING & CO. (INC.) ("Micro-Ground"), Coes sq, Worcester, Mass.
See adv index at end of book
Detroit Edge Tool Works, 3000 E Woodbridge, Detroit, Mich.
Dowd R. J. Knife Works, Beloit, Wis.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.

6960—*Knives (Cord Wood Splitter)

COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book

6961— Knives (Coring)

Ontario Knife Co. ("California"), Franklinville, N. Y.

6962— Knives (Cork)

Aero Wks., Inc., 136 Liberty, New York
Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Decker E. F., Saw Works, Albany, N. Y.
Disston Henry & Sons, Inc. (Circular), Tacony, Phila., Pa.
Harrington Cutlery Co. ("Dexter"), Southbridge, Mass.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass.
Landers, Frary & Clark, New Britain, Conn.
Oldham New York Saw Works ("Oldham"), 112 26th, Bklyn, N. Y.
Parkhurst L. D., Danielson, Conn.

Knives (Corn Cutter)

See Knives, Hay & Corn Cutter

6963—Knives (Corn Harvester)

American Knife Co., Baldwinsville, N. Y.
Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book
Disston Henry & Sons, Inc., Tacony, Phila, Pa.
Henry & Allen, Auburn, N. Y.
Herschel R. Mfg. Co., Peoria, Ill.
North Wayne Tool Co. ("H. S. Earle's"), Hallowell, Me.
Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.

6964—Knives (Cotton Seed Huller)

COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book
French Oil Mill Machinery Co., Piqua, O.

6965—*Knives (Cotton Shear)

COES LORING & CO. (INC.) ("Micro-Ground"), Coes sq, Worcester, Mass.
See adv index at end of book

6966— Knives (Curd)

Burrell D. H. & Co., Inc. ("Burrell B-W"), Little Falls, N. Y.
Creamery Package Mfg. Co., 61 W Kinzie, Chicago, Ill.

6967—Knives (Cylinder Huller)

French Oil Mill Machinery Co. ("Faherty," for Cottonseed Oil Mills, etc), Piqua, O.

6968— Knives (Dehorner)

American Knife Co., Baldwinsville, N. Y.
Phillips M. T. ("Keystone"), Pomeroy, Pa.
Ridgely Trimmer Co., Springfield, O.

6969— Knives (Dirk)

National Standard Co. ("Standard," "Kazoo," "Leader," also Dolly Jacks for Garages), Box 211, Niles, Mich.
Novelty Cutlery Co., Canton, O.

6970—*Knives (Double Edge)

COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book

6971— *Knives (Dowel)

COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book

6972-3— Knives (Drawing)

Buck Bros., Millbury, Mass.
Buhrke R. H. Co., 1250H Fullerton av, Chicago, Ill.
Glogau & Co., Great Lakes bldg, Chicago, Ill.
Greenlee Bros. & Co. (Carpenters), 12th, Rockford, Ill.
Jennings C. E. & Co. ("C. E. J. & Co.'s," "J. & G. Mfg. Co."), 71 Murray, New York
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Peck, Stow & Wilcox Co., Southington, Conn.
Ransome Concrete Machinery Co., Dunellen, N. J.
Smith H. D. & Co. ("Perfect Handle"), Plantsville, Conn.

(Continued on following page)

Knives (Drawing)—Continued

Swan Jas. Co. ("Bradley" Pattern, "Swan" Folding Handle, etc), Seymour, Conn.
Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.
White L. & I. J. Co., 143 Perry, Buffalo, N. Y.
Wilkinson A. J. & Co. (Folding), 184 Washington, Boston, Mass.
Winsted Edge Tool Works ("T. H. Witherby"), Winsted, Conn.

6974— Knives (Ensilage)

American Knife Co., Baldwinsville, N. Y.
COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book
Hardy L. Co., 9 Mill, Worcester, Mass.
Henry & Allen, Auburn, N. Y.

6975— Knives (Excelsior)

American Knife Co., Baldwinsville, N. Y.
Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Cocker Saw Mfg. Co., Lockport, **N. Y.**
COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book
Detroit Edge Tool Works, 3000 E Woodbridge, Detroit, Mich.
Dowd R. J. Knife Works, Beloit, Wis.
Ohio Knife Co., C. H. & D. R. R. & Dreman av, Cincinnati, Ohio
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.

6976— Knives (Farriers')

Bagshaw & Field, 445 N 5th, Phila., Pa.
Bic'nell Mfg. & Supply Co., Janesville, Wis.
Challenge Cutlery Corp., 58 Seymore, Bridgeport, Conn.
Champion Tool Co. ("Keystone"), Meadville, Pa.
Heller Bros. Co. (Hoof), 870 Mt. Prospect av, Newark, N. J.
Pope T. J. ("Pope's"), Sauquoit, N. Y.
Woodworth Knife Works, Nunda, N. Y.

6977—Knives (Feather Curling)

Harrington Cutlery Co., Southbridge, Mass.
Murphy's R. Sons Co. ("R. Murphy's"), Ayer, Mass.

6978— Knives (Fruit)

Glogau & Co., 466 Dickey bldg, Chicago, Ill.
Goodell Co., Antrim, N. H.
Empire Knife Co., The (Grape Fruit & Orange), Winsted, Conn.
Meriden Cutlery Co. (Grape Fruit), Meriden, Conn.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

6979— Knives (Fur Cutter)

COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book
Emrich Phil., 824 Main, Cincinnati, O.
Glogau & Co., Great Lakes bldg, Chicago, Ill.
Richard Stephen Co. ("S. R. Richard"), Southbridge, Mass.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.

6980-1—Knives (Gauge Lathe)

COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book

6982— *Knives (Handle)

COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book

6983—Knives (Harness Makers')

Glogau & Co., 466 Dickey bldg, Chicago, Ill.
Osborne C. S. & Co., Box 183 Newark, N. J. *See adv index at end of book*
Rose Wm. & Bros., Sharon Hill, Pa.

6984— Knives (Hay)

COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book
Dunn Edge Tool Co. ("Holts' Lightning," "Blizzard"), Oakland, Me.
Henry & Allen, 2 Wadsworth, Auburn, N. Y.
Iwan Bros. ("Elk Pattern," "Iwan Sickle Edge"), S Bend, Ind.
North Wayne Tool Co., Hallowell, Me.
Swineford G. A. Co. ("Adjustable," "Canton Sickle Edge"), Canton, O.
Wallingford Mfg. Co. ("Lightning" Pattern, "Heath" Pattern), Wallingford, Vt.
Winsted Mfg. Co. (Hand), Winsted, Conn.

6985—Knives (Hay & Corn Cutter)

American Axe & Tool Co., Glassport, Pa.
American Knife Co., Baldwinsville, N. Y.
Bateman Mfg. Co. ("The Eureka"), Grenloch, N. J.
COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book
Hankey A. & Co., Rochdale, Mass.
Henry & Allen, 2 Wadsworth, Auburn, N. Y.
Noy Mfg. Co. ("American" Hay Sickle Edge), Canton, O.
North Wayne Tool Co. ("C. C. Brooks' & "H. S. Earle's"), Hallowell, Me.
Reschke Machine Works Co. (Hay & Alfalfa), Wichita, Kans.
Wadsworth David & Son, Auburn, N. Y.
Williams Patent Crusher & Pulverizer Co., 813 Montgomery, St. Louis, Mo.
Wallingford Mfg. Co. ("Western King," "Keystone," "Daisy Clipper"), Wallingford, Vt.
Winsted Mfg. Co., Winsted, Conn.

6986— *Knives (Header)

COES LORING & CO. (INC.) ("Micro-Ground"), Coes sq, Worcester, Mass.
See adv index at end of book

6987—Knives (Hedge & Root)

Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Clyde Cutlery Co., Clyde, O.
Disston Henry & Sons ("Champion"), Tacony, Phila., Pa.
Evansville Tool Works (Axle Handle), Evansville, Ind.
Glogau & Co., 466 Dickey bldg, Chicago, Ill.
Ohlen-Bishop Co., 931 Factory, Columbus, Ohio
Washington Cutlery Co. ("Village Blacksmith"), **Watertown, Wis.**

6988—Knives (High Speed Steel)

Aero Wks., Inc., 136 Liberty, New York
Am. Knife Co., Baldwinsville, N. Y.
Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.

6989— Knives (Hog)

Aero Wks., Inc., 136 Liberty, New York
Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.
Detroit Edge Tool Works, 3000 E Woodbridge, Detroit, Mich.
Dowd R. J. Knife Wks., Beloit, Wis.
Mitts & Merrill, 1939 S Water, Saginaw, Mich.
Nichols' W. E. Sons Co., 52 Mill, Greenfield, Mass.

6990— Knives (Hoop)

Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.
Detroit Edge Tool Works, 3000 E Woodbridge, Detroit, Mich.
Dowd R. J. Knife Works, Beloit, Wis.
White L. & I. J. Co., 143 Perry, Buffalo, N. Y.
Worden Tool Co., 1854 Scranton rd, Cleveland, O.

6991-2—*Knives (Hoop Machine)

COES LORING & CO. (INC.) ("Micro-Ground"), Coes sq, Worcester, Mass.
See adv index at end of book

6993—Knives (Kitchen, Paring, Etc.)

American Cutlery Co. ("Famous," etc), 764 Mather, Chicago, Ill.
Barr Bros. Co. (Hand Made), Oakland, Cal.
Boker Cutlery & Hardware Co., Inc. ("Gifford's" Razor Blade, Paring & Slicing), 101 Duane, New York
Browne W. G. Mfg. Co. ("Acme" "Elite"), Kingston, N. Y.
Browne & Dowd Mfg. Co. ("B. & D. Co."), Meriden, Conn.
Buffalo Knife Co., 700 Main, Buffalo, N. Y.
Cassady Fairbank Mfg. Co. ("Lincoln"), 6126 S La Salle, Chicago, Ill.
Cattaraugus Cutlery Co., Little Valley, N. Y.
Chatillon Jno. & Sons, 85 Cliff, New York
Christy Knife Co. ("Christy," "Eclipse"), Fremont, O.
Clyde Cutlery Co., Clyde, O.
Crescent Mfg. Co., Fremont, O.
Divine Dwight & Sons ("Ulster"), Ellenville, N. Y.
Empire Knife Co., The, Winsted, Conn.
Emrich Phil., 824 Main, Cincinnati, O.
Enderes, Inc., Albert Lea, Minn.
Faller Martin Corp., 233 B'way, New York
Foster Bros. & Chatillon Co., Fulton, N. Y.
Gibford Weiffenbach Co. ("Razor Blade"), Adrian, Mich.
Glogau & Co., Great Lakes bldg, Chicago, Ill.
Goodell Co. (Paring), Antrim, N. H.
Graef & Schmidt ("Twin" Brand, Imported), 107 Chambers, New York
Hamblin & Russell Mfg. Co., Worcester, Mass.
Harrington Cutlery Co. ("Dexter"), Southbridge, Mass.
Knickerbocker Mfg. Co., Belleville, N. J.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass.
Landers, Frary & Clark ("Universal"), New Britain, Conn.
Lothrop H. A. & Co., Sharon, Mass.
Meriden Cutlery Co. ("Anvil"), Meriden, Conn.
Murphy's Robt. Sons Co. ("R. Murphy's") Ayer, Mass.
Nichols' W. E. Sons Co., 52 Mill, Greenfield, Mass.
Northampton Cutlery Co., Northampton, Mass.
Ontario Knife Co., Franklinville, N. Y.
Parkhurst L. D. ("Own Brand," "L. D. P."), Danielson, Conn.
Republic Metalware Co., 100 Alabama, Buffalo, N. Y.
Richard Stephen Co. ("S. R. Richard"), Southbridge, Mass.
Russell Jno. Cutlery Co., Turners Falls, Mass.
Teller R. K., Unadilla, N. Y.
Tie Co. ("Teller"), Unadilla, N. Y.
Tuck Mfg. Co., Brockton, Mass.
Wallace R. & Sons Mfg. Co., Wallingford, Conn.
Washington Cutlery Co. ("Village Blacksmith," "Blitz"), Watertown, Wis.
Wells Corporation, The ("Nichols Bros."), 15 Arch, Greenfield, Mass.
See adv index at end of book
White Ira F. & Son Co. (Also Slotted), Bloomfield, N. J.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

6994—Knives (Lawn Mower)

Anderson Knife & Bar Co., Anderson, Ind.
COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book
Hardy L. Co., Worcester, Mass.

6995—Knives (Leather Splitting)

Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.
COES LORING & CO. (INC.) ("Micro-Ground"), Coes sq, Worcester, Mass.
See adv index at end of book
Detroit Edge Tool Works, 3000 E Woodbridge, Detroit, Mich.
Dowd R. J. Knife Works, Beloit, Wis.
Emrich Phil., 824 Main, Cincinnati, O.
Hankey A. & Co., Rochdale, Mass.
Lovejoy D. & Son, Lowell, Mass.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Osborne C. S. & Co. (Harness Makers, etc), Box 183, Newark, N. J.
See adv index at end of book
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
White L. & I. J. Co, 120 Columbia, Buffalo, N. Y.

6996— *Knives (Linotype)

COES LORING & CO. (INC.) ("Micro-Ground"), Coes sq, Worcester, Mass.
See adv index at end of book
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.

6997—Knives (Listing Jointer)

COES LORING & CO. (INC.), Coes sq Worcester, Mass.
See adv index at end of book

6998—Knives (Lithograph Stone)

COES LORING & CO. (INC.), Coes sq Worcester, Mass.
See adv index at end of book
Dowd R. J. Knife Works, Beloit, Wis.
Simonds A. A. & Son Co., Dayton, O.

6999— *Knives (Logwood)

COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book

7000—*Knives (Loom, Axminster)

COES LORING & CO. (INC.) ("Micro-Ground"), Coes sq, Worcester, Mass.
See adv index at end of book

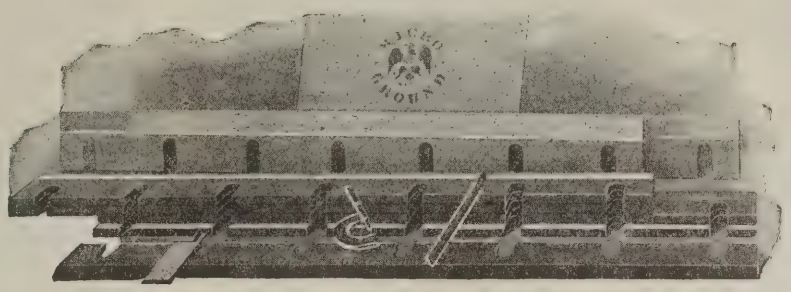
7001—*Knives (Loom, Carpet)

COES LORING & CO. (INC.) ("Micro-Ground"), Coes sq, Worcester, Mass.
See adv index at end of book

7002— Knives (Machine)

American Knife Co., Baldwinsville, N. Y.
Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Bailey & Blendinger Mfg. Co., Woburn, Mass.

ESTABLISHED 1830



TRADE MARK REGISTERED MICRO-GROUND U.S. PATENT OFFICE

MACHINE KNIVES

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NEW YORK OFFICE
W. E. ROBBINS, Mgr.
23-25 E. 26th ST., NEPTUNE, BLDG.

DEPT. COES WRENCH CO.
Worcester, Mass., U. S. A.

Bolton John W. & Sons, Inc., Lawrence, Mass.
California Saw Works, 721 Brannan, San Francisco, Cal.
Chattanooga Saw Works, 1512 Williams, Chattanooga, Tenn.
Chicago Knife Works, 228 S Clinton, Chicago, Ill.
Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.
Cocker Saw Mfg. Co., Lockport, N. Y.
COES LORING & CO. (INC.) ("Micro-Ground"), Coes sq, Worcester, Mass.
See adv index at end of book
Decker E. F., Saw Works, Albany, N. Y.
Detroit Edge Tool Works, 3000 E Woodbridge, Detroit, Mich.
Disston Henry & Sons, Tacony, Phila, Pa.
Dowd R. J. Knife Works, Beloit, Wis.
Eagle Knife & Bar Co., Lawrence, Mass.
Foster Bros. & Chatillon Co., Fulton, N. Y.
Foucart J. E., Williamsport, Pa.
Gage E. E. Mfg. Co., Gardner, Mass.
Glogau & Co., Great Lakes bldg, Chicago, Ill.
Gustafson & Scott Mfg. Co., 4325 Wabansia av, Chicago, Ill.
Hankey A. & Co., Rockdale, Mass.
Hardisty & Co., Garland, Linwood, Cincinnati, O.
Hardy L. Co., 9 Mill, Worcester, Mass.
Henry & Allen, Auburn, N. Y.
Heppenstall Forge & Knife Co., 47th & Hatfield, Pittsburgh, Pa.
Highland Machine Co., 56 Kemble Rox, Boston, Mass.
Holyoke Bar Co., Holyoke, Mass.
Huther Bros. Saw Mfg. Co. (High Speed Steel Planer Knives), Rochester, N. Y.
See adv index at end of book
Kaiser F. C. & Son, Muncie, Ind.
Kentucky Saw Works, Louisville, Ky.
Lancaster Machine & Knife Works, Lancaster, N. Y.
Lovejoy D. & Son, Lowell, Mass.
Lloyd John Co., 1 Franklin, New York
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Mitts & Merrill, 1939 S Water, Saginaw, Mich.
Moss Arthur J., 178 Centre, New York
Munson Co., Grand Rapids, Mich.
Ohio Knife Co., C. H. & D. R. R. & Dreman av, Cincinnati, Ohio
Oldham New York Saw Works ("Oldham"), 112 26th, Brooklyn, N. Y.
Penfield Saw Works, Bristol, Conn.
Russell John B. Knife Works, Naponoch, N. Y.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Snell & Atherton, Brockton, Mass.
Southern Saw Wks, East Point, Ga.
Star Tool & Knife Works, 16 Ritch, San Francisco, Cal.
Taylor, Stiles & Co., Riegelsville, N. J.
Toland & Son, 232 Front, Baltimore, Md.
Toledo Saw & Supply Co., Toledo, O.
Wapakoneta Machine Co., Wapakoneta, O.
White L. & I. J. Co., 143 Perry, Buffalo, N. Y.
Worden Tool Co., 1854 Scranton rd, Cleveland, O.
York Saw Works, York, Pa.

Knives (Machine, Wood Cutting)

See Knives. Wood Working Machine

7003— Knives (Manicure)

Du Pont E. I. de Nemours & Co., Inc., "Pyralin" Div. ("Pyralin"), Arlington, N. J. *See adv index at end of book*

Knives (Matcher)

See Knives, Wood Working Machine

7004— Knives (Meat Slicer)

COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book
Huther Bros. Saw Mfg. Co., 1190 University av, Rochester, N. Y.
See adv index at end of book
Wells Corporation, The ("Nichols Bros."), 15 Arch, Greenfield, Mass.
See adv index at end of book

7005—Knives (Metal Shear)

COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book

7006— Knives (Mincing)

Arcade Mfg. Co., Freeport, Ill.
Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Boker Cutlery & Hardware Co., Inc. (Imported), 101 Duane, New York
Browne & Dowd Mfg. Co. ("B & D Co."), Meriden, Conn.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Clauss Shear Co., Fremont, O.
Forsyth Metal Goods Co., E. Aurora, New York
Glogau & Co., Great Lakes bldg, Chicago, Ill.
Grey Iron Casting Co., Mt. Joy, Pa.
Hills Edwin, Plainville, Conn.
Landers, Frary & Clark, New Britain, Conn.
Parks & Parks, Troy, N. Y.
Potter Mfg. Co. ("Potter"), Geneva, O.
Udell Works ("Clauss"), Indianapolis, Ind.

7007— Knives (Mitre)

American Knife Co., Dept H, Baldwinsville, N. Y.
Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.
COES LORING & CO. (INC.) ("Micro-Ground"), Coes sq, Worcester, Mass.
See adv index at end of book
Detroit Edge Tool Works, 3000 E Woodbridge, Detroit, Mich.
Dowd R. J. Knife Works, Beloit, Wis.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.

7008—Knives (Mower & Reaper)

Henry & Allen, Auburn, N. Y.
Herschel R. Mfg. Co., Peoria, Ill.
Mason F. C. & Co., St. Johns, Mich.
Whitaker Mfg. Co., 409 S Green, Chicago, Ill.
Wood Walter A. Mowing & Reaping Machine Co., Hoosick Falls, N. Y.

7009— Knives (Oil Cloth)

American Cutlery Co., 764 Mather, Chicago, Ill.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Disston Hy. & Sons, Tacony, Phila., Pa.
Glogau & Co., Great Lakes bldg, Chicago, Ill.
Harrington Cutlery Co. ("Dexter"), Southbridge, Mass.
Judson Cutlery Co., 41 Union sq, New York
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass.
Landers, Frary & Clark, New Britain, Conn.

(Continued on following page)

Knives (Oil Cloth)—Continued

Kimball C. J. Co., Bennington, N. H.
Murphy's Robert Sons Co. ("Stay Sharp"), Ayer, Mass.
OSBORNE C S. & CO., Box 183, Newark, N. J. *See adv index at end of book*
Parkhurst L. D., Danielson, Conn.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Tusk Mfg. Co., Brockton, Mass.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

7010— *Knives (Overlzy)

COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book

7011—Knives (Oyster & Clam)

Allen D. S., Port Lavaca, Tex.
Bagshaw & Field, 445 N 5th, Phila, Pa.
Briddell Chas. D., 820 W Main, Crisfield, Md.
Carver Tool Works (Carver's), Spring Valley, N. Y.
Clyde Cutlery Co., Clyde, Ohio
Duffy Mfg. Co., 214 W Grand av, Chicago, Ill.
Eagle Tool Works, Bayonne, N. J.
Emrich Phil. (N. Y., Style), 824 Main, Cincinnati, O.
Foster Bros. & Chatillon Co., Fulton, N. Y.
Glogau & Co., Great Lakes bldg, Chicago, Ill.
Harrington T. J. ("Dexter"), Southbridge, Mass.
Landers, Frary & Clark, New Britain, Conn.
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Murphy's R. Sons Co. ("R. Murphy's"), Ayer, Mass.
Nichols' W. E. Sons Co., 52 Mill, Greenfield, Mass.
Ontario Knife Co., Franklinville, N. Y.
Osborne C. S. Co., Box 183, Newark, N. J.
See adv index at end of book
Parkhurst L. D., Danielson, Conn.
Richard Stephen Co. ("S. R. Richard"), Southbridge, Mass.
Russell John Cutlery Co., Turners Falls, Mass.
Stortz John & Son, 210 Vine, Phila., Pa.
Thayer Mfg. Co. (Oyster only), Williamsburg, Mass.
Tuck Mfg. Co., Brocton, Mass.
Vaughan & Bushnell Mfg. Co. ("V. & B."), 2114 Carroll av, Chicago, Ill.
Wells Corporation, The ("Nichols Bros."), 15 Arch, Greenfield, Mass.
See adv index at end of book
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

7012— Knives (Painters')

Glogau & Co., Great Lakes bldg, Chicago, Ill.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass.
Landers, Frary & Clark, ("Universal"), New Britain, Conn.
Ridgely Trimmer Co., Springfield, O.
Russell John Cutlery Co. (Palette, Hacking, Gilding, etc.), Turners Falls, Mass.

7013—*Knives (Panel Raising)

COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*

7014— Knives (Paper)

Aero Wks., Inc., 136 Liberty, New York
American Knife Co., Dept H, Baldwinsville, N. Y.
Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Celluloid Co., 36 Washington Pl., New York.
Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.
COES LORING & CO. (INC.) ("Micro-Ground"), Coes sq, Worcester, Mass.
See adv index at end of book
Decker E. F., Saw Works, Albany, N. Y.
Dilts Machine Works (Inc.), Fulton, N. Y.
Disston Hy. & Sons, Tacony, Phila., Pa.
Foster Bros. & Chatillon Co., Fulton, N. Y.
Glogau & Co., Great Lakes bldg, Chicago, Ill.
Hardy Wallace L. (Rotary, Joliet, Ill.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Parkhurst L. D., Danielson, Conn.
Russell John Cutlery Co. (Green River Works), Turners Falls, Mass.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Tiley, Pratt Co., Essex, Conn.

7015—Knives (Paper Box Machine)

American Knife Co., Dept H, Baldwinsville, N. Y.
COES LORING & CO. (INC.) ("Micro-Ground"), Coes sq, Worcester, Mass.
See adv index at end of book

7016—Knives (Paper Cutter)

American Knife Co., Baldwinsville, N. Y.
Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.
COES LORING & CO. (INC.) ("Micro-Ground"), Coes sq, Worcester, Mass.
See adv index at end of book
Detroit Edge Tool Works, 3000 E Woodbridge, Detroit, Mich.
Dilts Machine Works (Inc.), Fulton, N. Y.
Disston Henry & Sons, Tacony, Phila., Pa.
Dowd R. J. Knife Works, Beloit, Wis.
Glogau & Co., Great Lakes bldg, Chicago, Ill.
Hankey A. & Co., Rochdale, Mass.
Horne J. H. & Sons Co., Lawrence, Mass.
Lancaster Mach. & Knife Works, Lancaster, N. Y.
Ohio Knife Co. (The), C. H. & D R. R. & Dreman av, Cincinnati, Ohio
Simonds Saw & Steel Co,, 470 Main, Fitchburg, Mass.
Taylor, Stiles & Co., Riegelsville, N. J.
White L. & I. J. Co., 143 Perry, Buffalo, N. Y.
Worden Tool Co., 1854 Scranton rd, Cleveland, O.

7017—Knives (Paper Hangers')

American Cutlery Co., 764 Mather, Chicago, Ill.
Clyde Cutlery Co., Clyde, O.
Glogau & Co., Great Lakes bldg, Chicago, Ill.
Harrington T. J. ("Dexter"), Southbridge, Mass.
Landers, Frary & Clark, New Britain, Conn.
Murphy's Robt. Sons Co. ("R. Murphy's"), Ayer, Mass.
Northampton Cutlery Co., Northampton, Mass.
Osborne C. S. & Co., Box 183, Newark, N. J.
See adv index at end of book
Richard Stephen Co. ("S. R. Richard"), Southbridge, Mass.
Ridgely, Trimmer Co., Springfield, O.
Stortz Jno. & Son, 210 Vine, Phila., Pa.
Tuck Mfg. Co., Brockton, Mass.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

Knives (Paring)

See Knives, Kitchen, Paring, etc.

7017a— *Knives (Planer)

HUTHER BROS. SAW MFG. CO., Rochester, N. Y. *See adv index at end of book*

7018—Knives (Planing Machine)

Aero Wks., Inc., 136 Liberty, New York
American Knife Co., Baldwinsville, N. Y.
Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Chattanooga Saw Works, 1512 Williams, Chattanooga, Tenn.
Chicago Knife Works, 228 S Clinton, Chicago, Ill.
Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.
COES LORING & CO. (INC.) ("Micro-Ground"), Coes sq, Worcester, Mass.
See adv index at end of book
Decker E. F. Saw Wks, Albany, N. Y.
Detroit Edge Tool Works, 740 E Woodbridge, Detroit, Mich.
Disston Henry & Sons (Inc.), Tacony, Phila., Pa.
Dowd R. J. Knife Works, Beloit, Wis.
Gage E. E. Mfg. Co., Gardner, Mass.
Guarantee Mfg. Co., 2923 1st av S, Seattle, Wash.
Hankey A. & Co. (Thin, High-Speed Steel), Rochdale, Mass.
Hardisty & Co., Garland, Linwood, Cincinnati, O.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Lancaster Machine & Knife Works, Lancaster, N. Y.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Ohio Knife Co., C. H. & D. R. R. & Dreman av, Cincinnati, Ohio
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Star Tool & Knife Works, 16 Ritch, San Francisco, Cal.
Taylor, Stiles & Co., Riegelsville, N. J.
White L. & I. J. Co., 143 Perry, Buffalo, N. Y.
Worden Tool Co., 1854 Scranton road, Cleveland, O.

7019— *Knives (Plush)

COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book

7020— Knives (Pocket)

Aerial Cutlery Mfg. Co., Marinette, Wis.
Boker Cutlery & Hardware Co. Inc., 101 Duane, New York
Canton Cutlery Co. ("Car-Van" Steel Blade), 1212 5th S W, Canton, Ohio
Cattaraugus Cutlery Co., Little Valley, N. Y.
Challenge Cutlery Corp., 58 Seymore, Bridgeport, Conn.
Chatillon Jno. & Sons, 85 Cliff, New York.
Clark Bros. Cutlery Co., 926 B'way, Kansas City, Mo.
Clay Cutlery Co., Andover, N. Y.
Cronk & Carrier Mfg. Co., 150 Lake, Elmira, N. Y.
Divine Dwight & Son, Ellenville, N. Y.
Dunn & Rodenberg (Gold Filled), Baker, Providence, R. I.
Empire Knife Co. (The), ("Empire"), Winsted, Conn.
Foster Bros. & Chattillon Co., Fulton, N. Y.
Glogau & Co., Great Lakes bldg., Chicago, Ill.
Graef & Schmidt ("Twin Brand" Imp.), 107 Chambers, New York
Holley Mfg. Co., Lakeville, Conn.
Klaas, Max ("Crane"), 320 B'way, New York
Koch F. A. & Co., 524 B'way, New York
Landers, Frary & Clark ("Universal"), New Britain, Conn.
Marble Arms & Mfg. Co., Gladstone, Mich.
Miller Bros. Cutlery Co., Meriden, Conn.
Napanoch Knife Co., Napanoch, N. Y.
N. Y. Knife Co., 225 5th av, New York
Northfield Knife Co., Northfield, Conn.
Novelty Cutlery Co., Canton, O.
Poughkeepsie Cutlery Wks., Inc., Poughkeepsie, N. Y.
Queen City Cutlery Co., Titusville, Pa.
Remington Arms Co., Inc., 233 Broadway, New York
Robeson Cutlery Co., Rochester, N. Y.
Russell John Cutlery Co., Turners Falls, Mass.
Schatt & Morgan Cutlery Co., Titusville, Pa.
Schrade Cutlery Co., Walden, N. Y.
Silberstein A. L. ("Griffon" Imp.), 600 W. 157, New York
Sperry & Alexander Co., 79 Chambers, New York
Thomaston Knife Co. (Combination), Thomaston, Conn.
Ulery U. J. Co. (Napanoch), 11 Warren, New York
Union Cutlery Co., 10th & Wayne, Olean, N. Y.
Utica Cutlery Co., Utica, N. Y.
Valley Forge Cutlery Co., Newark, N. J.
Walden Knife Co., Walden, N. Y.
Winchester-Simmons Co. ("Keen Kutter"), 9th & Spruce, St. Louis, Mo.
Winchester Repeating Arms Co. ("Winchester"), 275 Winchester, New Haven, Conn.
Wostenholm Geo. & Son ("I. X. L." Imp), 258 B'way, New York

7021— Knives (Pruning)

Barr Bros. Co. (Also Shears), Oakland, Cal.
Cattaraugus Cutlery Co. ("Cattaraugus"), Little Valley, N. Y.
Cronk & Carrier Mfg. Co., 150 Lake, Elmira, N. Y.
Empire Knife Co. (The), ("Empire"), Winsted, Conn.
Glogau & Co., Great Lakes bldg., Chicago, Ill.
Harrington Cutlery Co. ("Dexter"), Southbridge, Mass.
Henry John T. Mfg. Co., Hamden, Conn.
Holley Mfg. Co., Lakeville, Conn.
Murphy's Robert Sons Co. ("Stay Sharp"), Ayer, Mass.
Osborne C. S. & Co., Box 183, Newark, N. J.
See adv index at end of book
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Tuck Mfg. Co., Brockton, Mass.

7022— Knives (Pug Mill)

American Manganese Steel Co. ("Amsco" Brand Manganese Steel, Dept H, 14th & State, Chicago Heights, Ill.
United Iron Works, Inc., Kansas City, Mo.

7023— Knives (Putty)

American Cutlery Co., 764 Mather, Chicago, Ill.
Bridgeport Hardware Mfg. Corp. ("Bridgeport"), 461 Irn av, Bridgeport, Conn.
Browne & Dowd Mfg. Co. ("B. & D. Co."), Meriden, Conn.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Fletcher, Terry Co., Forestville, Conn.
Glogau & Co., Great Lakes bldg., Chicago, Ill.
Goodell Co., Antrim, N. H.
Harrington Cutlery Co. ("Dexter"), Southbridge, Mass.
Hills Edwin, Plainville, Conn.
Knickerbocker Mfg. Co., Belleville, N. J.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass.
Landers, Frary & Clark ("Universal"), New Britain, Conn.
Meriden Cutlery Co., Meriden, Conn.
Nichols' W. E. Sons Co., 52 Mill, Greenfield, Mass.
Northampton Cutlery Co., Northampton, Mass.
Ontario Knife Co., Franklinville, N. Y.
Parkhurst L. D., Danielson, Conn.
Richard Stephen Co. ("S. R. Richard"), Southbridge, Mass.
Ridgely, Trimmer Co., Springfield, O.

Russell John Cutlery Co., Turners Falls, Mass.
Wells Corporation, The ("Nichols Bros."), 15 Arch, Greenfield, Mass.
See adv index at end of book
White Ira F. & Son Co., Bloomfield, N. J.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

7024— Knives (Rag Cutter)

American Knife Co., Baldwinsville, N. Y.
Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.
COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book
Detroit Edge Tool Works, 3000 E Woodbridge, Detroit, Mich.
Dilts Machine Works (Inc.), Fulton, N. Y.
Dowd R. J. Knife Works, Beloit, Wis.
Dunn Edge Tool Co. ("Clipper"), Oakland, Me.
Hankey A. & Co., Rochdale, Mass.
Holyoke Bar Co., Holyoke, Mass.
Ohio Knife Co. (The), C. H. & D. R. R. & Dreman av, Cincinnati, Ohio
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Taylor, Stiles & Co., Riegelsville, N. J.
Worden Tool Co., 1854 Scranton rd, Cleveland, O.

7025— *Knives (Rand)

COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book

7026-7— Knives (Rattan)

COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book
Taylor, Stiles & Co., Riegelsville, N. J.

7028— Knives (Roll Scraper)

COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book
Detroit Edge Tool Works, 3000 E Woodbridge, Detroit, Mich.
Turner Tanning Machinery Co. ("Turner"), Peabody, Mass.

Knives (Root)

See Knives, Hedge & Root

7029— Knives (Rotary)

Glogau & Co., Great Lakes bldg., Chicago, Ill.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Tinker F. & Sons Co., 5687 Butler, Pittsburgh, Pa.

7030— Knives (Rubber)

American Cutlery Co., 764 Mather, Chicago, Ill.
American Knife Co., Dept H, Baldwinsville, N. Y.
Disston Hy. & Sons, Tacony, Phila., Pa.
Glogau & Co., Great Lakes bldg., Chicago, Ill.
Hyde Mfg. Co., Southbridge, Mass.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass.
Murphy's R. Sons Co. ("R. Murphy's"), Ayer, Mass.
Parkhurst L. D., Danielson, Conn.
Richard Stephen Co. ("S. R. Richard"), Southbridge, Mass.
Snell & Atherton, Brockton, Mass.
Tuck Mfg. Co. (For Heavy Electrical Rubber Goods), Brockton, Mass.

7031— Knives (Salmon)

Barr Bros. Co. (Hand Made), Oakland, Cal.

7032— Knives (Sardine)

International Silver Co., Meriden, Conn.
Osborne C. S. & Co., Box 183, Newark, N. J.
See adv index at end of book

7033— Knives (Scallop)

Graef & Schmidt (Imported), 107 Chambers, New York
Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.
Murphy's Robert Sons Co. ("Stay Sharp"), Ayer, Mass.

7034— Knives (Scarfer)

COES LORING & CO. (INC.) ("Micro-Ground"), Coes sq, Worcester, Mass.
See adv index at end of book

7035— Knives (Scraper)

Aero Wks., Inc., 136 Liberty, New York
American Cutlery Co., 764 Mather, Chicago, Ill.
American Knife Co., Baldwinsville, N. Y.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Landers, Frary & Clark, New Britain, Conn.
Nichols' W. E. Sons Co., 52 Mill, Greenfield, Mass.
Northampton Cutlery Co., Northampton, Mass.
Russell John Cutlery Co., Turners Falls, Mass.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Wells Corporation, The ("Nichols Bros."), 15 Arch, Greenfield, Mass.
See adv index at end of book

7036—Knives (Shear Cutter)

American Knife Co., Baldwinsville, N. Y.
Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.
Glogau & Co., Great Lakes bldg., Chicago, Ill.
Hankey A. & Co., Rochdale, Mass.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Tinker F & Sons Co., 5687 Butler, Pittsburgh, Pa.
White L. & I. J. Co., 143 Perry, Buffalo, N. Y.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

7037— Knives (Shingle)

Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Barnett Oscar Foundry Co., Irvington, N. J.
Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.
COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Taylor, Stiles & Co., Riegelsville, N. J
White L. & I. J. Co., 143 Perry, Buffalo, N. Y.

7038— Knives (Shoe)

American Cutlery Co., 764 Mather, Chicago, Ill.
Arnold H. H. Co. Inc., Rockland, Mass.
Bailey G. W. Co. (Amazeen), Brockton, Mass.
Boker Cutlery & Hardware Co. ("Peppercorn"), 101 Duane, New York
Brooks John Co. (Amazeen), Brockton, Mass.
Christensen H. M. Co., Brockton, Mass.
Emrich Phil., 824 Main, Cincinnati, O.
Glogau & Co., Great Lakes bldg., Chicago, Ill.
Harrington Cutlery Co. ("Dexter"), Southbridge, Mass.
Hyde Mfg. Co., Southbridge, Mass
Landers, Frary & Clark, New Britain, Conn.
Lothrop H. A. & Co. ("J. Ames," "J. Sanger"), Sharon, Mass.
Meriden Cutlery Co., Meriden, Conn.
Murphy's R. Sons Co. ("R. Murphy's"), Ayer, Mass.
Ontario Knife Co., Franklinville, N. Y.
Osborne C. S. & Co., Box 183, Newark, N. J.
See adv index at end of book
Richard Stephen Co. ("S. R. Richard"), Southbridge, Mass.
Snell & Atherton, Brockton, Mass.
Standard Shoe Machinery Co., Lawrence, Mass.
Tuck Mfg. Co. ("S. V. Tuck," "T. M. Co." "Black Diamond"), Brockton, Mass.
United Shoe Machinery Co., 205 Lincoln, Boston, Mass.
White Ira F. & Son Co., Bloomfield, N. J.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

7039— Knives (Shredder)

American Knife Co., Dept H, Baldwinsville, N. Y.
COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book
Glogau & Co., Great Lakes bldg., Chicago, Ill.
Henry & Allen, Auburn, N. Y.
MITTS & MERRILL, 1939 S Water, Saginaw, Mich.

7040— Knives (Skiver)

Brooks John Co., Brockton, Mass.
COES LORING & CO. (INC.) ("Micro-Ground"), Coes sq, Worcester, Mass.
See adv index at end of book
Perkins Chas. P., Brockton, Mass.

7041—*Knives (Slaw & Vegetable)

COES LORING & CO. (INC.), Coes sq Worcester, Mass.
See adv index at end of book

7041a—Knives (Sloyd & Carvers)

OSBORNE C. S. CO., Box 183, Newark, N. J. *See adv index at end of book*
Wostenholm Geo. & Son ("I. X. L."), 258 B'way, New York

7042—Knives (Solid Steel Shear)

Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.
Glogau & Co., Great Lakes bldg., Chicago, Ill.
Heppenstall Forge & Knife Co., 47th & Hatfield, Pittsburgh, Pa.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Tinker F. & Sons Co., 5687 Butler, Pittsburgh, Pa.

7042a—*Knives (Special for Cutter Heads)

Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*

7043—*Knives (Spiral, Of All Classes)

COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book

7044—*Knives (Spiral Tenon)

COES LORING & CO. (INC.), Coes sq.

7045— *Knives (Splitter)

COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book

7046— Knives (Spoke Lathe)

Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.
COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book
Disston Henry & Sons, Tacony, Phila., Pa.
Dowd R. J. Knife Works, Beloit, Wis.
Hankey A. & Co., Rochdale, Mass.

Knives (Sportsmen's)

See Knives & Dirks, Hunting

7047— Knives (Stave Cutter)

American Knife Co., Baldwinsville, N. Y.
Atkins E. C. & So., 402 S Illinois, Indianapolis, Ind.
Cleveland Knife & Forge Co., 1960 W. 114th, Cleveland, O.
COES LORING & CO. (INC.) ("Micro-Ground"), Coes sq, Worcester, Mass.
See adv index at end of book
Disston Henry & Sons, Tacony, Phila., Pa.
Dowd R. J. Knife Works, Beloit, Wis.
Worden Tool Co., 1854 Scranton rd, Cleveland, O.

7048— *Knives (Stereotype)

COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book

7049— Knives (Stop Cutter)

Aero Wks., Inc., 136 Liberty, New York
COES LORING & CO. (INC.) ("Micro-Ground"), Coes sq, Worcester, Mass.
See adv index at end of book
Dowd R. J. Knife Works, Beloit, Wis.
Taylor, Stiles & Co., Rieglesville, N. J.

Knives (Straw Cutter)

See Knives, Hay & Corn Cutter

7050-1— Knives (Striking)

Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.

Knives (Table, Silver Plated)

See Silverware, Table

7052—*Knives (Tack Machine)

COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book

7053—Knives (Tanners' Skiving)

COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book
Foster Bros & Chatillon Co., Fulton, N. Y.
Richard Stephen Co. ("S. R. Richard"), Southbridge, Mass.

7054—*Knives (Textile Shear)

COES LORING & CO. (INC.) ("Micro-Ground"), Coes sq, Worcester, Mass.
See adv index at end of book

7055— Knives (Tobacco)

Aero Wks Inc., 136 Liberty, New York
American Cutlery Co., 764 Mather, Chicago, Ill.
American Knife Co., Baldwinsville, N. Y.

(Continued on following page)

Knives (Tobacco)—Continued

Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Cleveland Knife & Forge Co., 1960 W. 114th, Cleveland, O.
Clyde Cuttlery Co. (Beech Handle), Clyde, Ohio
COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book
Detroit Edge Tool Works, 3000 E Woodbridge, Detroit, Mich.
Dowd R. J. Knife Works, Beloit, Wis.
Glogau & Co., Great Lakes bldg., Chicago, Ill.
Hankey A. & Co., Rochdale, Mass.
Lancaster Mach. & Knife Works, Lancaster, N. Y.
Landers, Frary & Clark (Hand), New Britain, Conn.
Nichols' W. E. Sons Co., 52 Mill, Greenfield, Mass.
Northampton Cutlery Co. (Hand), Northampton, Mass.
Oldham New York Saw Works ("Oldham"), 112 26th, Brooklyn, N. Y.
Russell Jno. B. Knife Works ("Diamond Eagle"), Napanoch, N. Y.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Tuck Mfg. Co. (Hand), Brockton, Mass.
Wells Corporation, The ("Nichols Bros."), 15 Arch, Greenfield, Mass.
See adv index at end of book
White L. & I. J. Co., 143 Perry, Buffalo, N. Y.

7056— Knives (Veneer)

Aero Wks., Inc., 136 Liberty, New York
American Knife Co., Dept H, Baldwinsville, N. Y.
Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Bailey & Blendinger Mfg. Co., Woburn, Mass.
Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.
Cocker Saw Mfg. Co., Lockport, N. Y.
Decker E. F. Saw Works, Albany, N. Y.
Detroit Edge Tool Works, 3000 E Woodbridge, Detroit, Mich.
Dowd R. J. Knife Works, Beloit, Wis.
Glogau & Co., Great Lakes bldg., Chicago, Ill.
Hankey A. & Co., Rochdale, Mass.
Huther Bros. Saw Mfg. Co., Rochester, N. Y.
See adv index at end of book
Lancaster Mach. & Knife Works, Lancaster, N. Y.
Loyd John Co., 1 Franklin, New York
Ohio Knife Co., C. H. & D. R. R. & Dreman av, Cincinnati, Ohio
Oldham New York Saw Works ("Oldham"), 112 26th, Brooklyn, N. Y.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Taylor, Stiles & Co., Riegelsville, N. J.
White L. & I. J. Co., 143 Perry, Buffalo, N. Y.
Worden Tool Co., 1854 Scranton rd, Cleveland, O.

7057— Knives (Weeding)

Glogau & Co., Great Lakes bldg., Chicago, Ill.

7058—Knives (Wood Barking Machine)

American Knife Co., Dept H, Baldwinsville, N. Y.
Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Cleveland Knife & Forge Co., 1960 W. 114th, Cleveland, O.
Cocker Saw Mfg. Co., Lockport, N. Y.
COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book
Dilts Machine Works, (Inc.) Fulton, N. Y.
Dowd R. J. Knife Works, Beloit, Wis.
Glogau & Co., Great Lakes bldg., Chicago, Ill.
Huther Bros. Saw Mfg. Co., Rochester, N. Y.
See adv index at end of book
Mitts & Merrill, 1939 S. Water, Saginaw, Mich.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
White L. & I. J. Co., 143 Perry, Buffalo, N. Y.

Knives (Wood Flooring Machine)

See Knives, Wood Working Machine

7059— Knives (Wood Pulp)

Aero Wks., Inc., 136 Liberty, New York
American Knife Co., Dept H, Baldwinsville, N. Y.
Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Cleveland Knife & Forge Co., 1960 W. 114th, Cleveland, O.
COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
See adv index at end of book
Dilts Machine Works, (Inc.) Fulton, N. Y.
Glogau & Co., Great Lakes bldg., Chicago, Ill.
Ohio Knife Co., C. H. & D. R. R. & Dreman av, Cincinnati, Ohio
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.

Knives (Wood Surfacing Machine)

See Knives, Wood Working Machine

Knives (Wood Tenoning Machine)

See Knives, Wood Working Machine

7060—Knives (Wood Working Machine)

Aero Wks, Inc., 136 Liberty, New York
American Knife Co., Baldwinsville, N. Y.
Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Chicago Knife Works, 228 S Clinton, Chicago, Ill.
Cleveland Knife & Forge Co., 1960 W. 114th, Cleveland, O.
Cocker Saw Mfg. Co., Lockport, N. Y.
COES LORING & CO. (INC.) ("Micro-Ground"), Coes sq, Worcester, Mass.
See adv index at end of book
Continental Steel & Supply Co. (High Speed), 527H Howard, San Francisco, Cal.
Decker F. W. Saw Works, Albany, N. Y.
Detroit Edge Tool Works, 3000 E Woodbridge, Detroit, Mich.
Dowd R. J. Knife Works, Beloit, Wis.
Foster Bros. & Chatillon Co., Fulton, N. Y.
Foucart, J. E., Williamsport, Pa.
Gage E. E. Mfg. Co., Gardner, Mass.
Glogau & Co., Great Lakes bldg., Chicago, Ill.
Hankey A. & Co., Rochdale, Mass.
Horne J. H. & Sons Co., Lawrence, Mass.
Huther Bros. Saw Mfg. Co. (Surfacing), Rochester, N. Y.
Mack & Co. ("D. R. Barton"), Rochester, New York
Ohio Knife Co., C. H. & D. R. R. & Dreman av, Cincinnati, Ohio
Redin, Ekstrom & Co., Rockford, Ill.
See adv index at end of book
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Star Tool & Knife Wks., 16 Ritch, San Francisco, Cal.
Taylor, Stiles & Co., Riegelsville, N. J.
White L. & I. J. Co., 143 Perry, Buffalo, N. Y.
Worden Tool Co., 1854 Scranton rd, Cleveland, O.
Yates P. B. Machine Co., Beloit, Wis.

7060a— *Knives (Wooden)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

7061—Knives & Cutters (Serrated)

Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*

7062—Knives & Dirks (Hunting)

American Cutlery Co., 764 Mather, Chicago, Ill.
Cattaraugus Cutlery Co. ("King of the Woods"), Little Valley, N. Y.
Collins Co. (Bower), Collinsville, Conn.
Clyde Cutlery Co. Clyde, Ohio
Empire Knife Co. (The), ("Empire"), Winsted, Conn.
Glogau & Co., Great Lakes bldg., Chicago, Ill.
Goodell Co., Antrim, N. H.
Graef & Schmidt ("Twin Brand"), 107 Chambers, New York
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass.
Landers, Frary & Clark, New Britain, Conn.
Lothrop H. A. & Co. ("J. Ames," "J. Sanger"), Sharon, Mass.
Marble Arms & Mfg. Co. ("Sportsman's Camp, "Sportsman's Fish" and "Expert" and "Ideal" Hunting), Gladstone, Mich.
Meriden Cutlery Co., Meriden, Conn.
Miller Bros. Cutlery Co., Meriden, Conn.
Northfield Knife Co., Northfield, Conn.
Northampton Cutlery Co., Northampton, Mass.
Richard Stephen Co. ("S. R."), Southbridge, Mass.
Russell John Cutlery Co., Turners Falls, Mass.
Schatt & Morgan Cutlery Co., Titusville, Pa.
Wells Corporation, The ("Nichols Bros."), 15 Arch, Greenfield, Mass.
See adv index at end of book

7063—Knives & Forks (Aluminum)

Glogau & Co. (Forks), Great Lakes bldg., Chicago, Ill.
Republic Metalware Co., 100 Alabama, Buffalo, N. Y.
Standard Aluminum Co., Two Rivers, Wis.

7064—Knives & Forks (Tinned)

Benedict Mfg. Co., East Syracuse, N. Y.

7064a— Knobs (Adding Machine)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book
Waterbury Button Corporation, 321 South Main, Waterbury, Conn.
See adv index at end of book

7064b— Knobs (Base)

See also Door Bumpers; also Door Stops
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

7064c— Knobs (Bird Cage)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Stiles H. A. Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

7065— Knobs (Carpet)

Wilcox Crittenden & Co., Inc. (Brass Heads, Wrought Nails; also Grommets), 444 S Main, Middletown, Conn.
See adv index at end of book

7066— Knobs (Carriage)

Brewer-Titchener Corp., The, Binghamton, N. Y.
Cowles C. & Co., New Haven, Conn.
Crandal-Stone Dix (The Brewer-Titchener Corp., Binghamton, N. Y.
Monarch Carriage Goods Co., 2842 Spring, Cincinnati, Ohio
Neider F. A. & Co., Dept. H, Augusta, Ky.
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*
Woodruff W. W. & Sons Co., Mt. Carmel, Conn.

7066a— Knobs (Closet)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Grand Rapids Brass Co., Grand Rapids, Mich.
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

7066b— Knobs (Cover)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book

7066c— Knobs (Door)

See also Door Knobs, Various Kinds; **also Classifications Following.**
Art Brass & Plating Works, 539 First av So, Seattle, Wash.
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
See adv index at end of book
Earle Hardware Mfg. Co., 2369 E 51st, Los Angeles, Cal.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Ford Hardware Co., Inc. (Imp.), 25 W. 25th, New York.
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book
Stiles H. A., 166-74 Portland, Boston, Mass.
See adv index at end of book
Union Glass Co. (Glass), Somerville, Mass.

7067—Knobs (Drawer & Shutter)

Berbecker & Rowland Mfg. Co., Waterville, Conn.
Brainerd Mfg. Co. (also Cupboard), East Rochester, N. Y.
Corbin P. & F. New Britain, Conn.
Dent Hardware Co., Fullerton, Pa.
Earle Hardware Mfg. Co., 2369 E 51st, Los Angeles, Cal.
ESTES E. B. & SONS, 364 5th av, New York. *See adv index at end of book*
Grand Rapids Brass Co., (Drawer Only), Grand Rapids, Mich.
Ives H. B. Co., New Haven, Conn.
Payson Mfg. Co. (Drawer), 2918 W Jackson blvd, Chicago, Ill.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book
Taylor & Boggis Foundry Co., Cleveland, O.
Technical Glass Co., Inc. ("Tegco"), 2740 Compton av., Los Angeles, Cal.
Tru Lite Mfg. Co. ("Tru Lite" Metal Drawers), Dept. H, Bradford, Pa.
Wilcor Mfg. Co., 4824 W Lake, Chicago

7067a— Knobs (Enameled)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

7067b— Knobs (Furniture)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Earle Hardware Mfg. Co., 2369 E 51st, Los Angeles, Cal.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Grand Rapids Brass Co., Grand Rapids, Mich.
SOUTH BEND DOWEL CO., South Bend, Ind. *See adv index at end of book*
Technical Glass Co., Inc. ("Tegco"), 2740 Compton av., Los Angeles, Cal.

7068—Knobs (Glass, Door, Drawer, Etc.)

Berbecker & Rowland Mfg. Co., Waterville, Conn.
Brainerd Mfg. Co., East Rochester, N. Y.
Brock Glass Co., Santa Anna, Cal.
Chantrell Hdwe & Tool Co. ("Chantrell"), Reading, Pa.
Corbin P. & F., New Britain, Conn.
Ford Hardware Co., Inc. (Imp.), 25 W. 25th, New York
Graham & Berwin, 451 Greenwich, New York
Grand Rapids Brass Co., Grand Rapids, Mich.
Hall Wm. Co., Wollaston, Mass.
Penn Hardware Co., Reading, Pa.
Sargent & Co., New Haven, Conn.
Technical Glass Co., Inc. ("Tegco"), 2740 Compton av, Los Angeles, Cal.
Tru Lite Mfg. Co. ("Tru Lite"), Dept. H, Bradford, Pa.
Union Glass Co., Somerville, Mass.
Weber-Knapp Co. (For Furniture and Phonographs), Jamestown, N. Y.

7069— Knobs (Grommet)

Berbecker & Rowland Mfg. Co., Waterville, Conn.

7069a— Knobs (Kettle)

Brown W. G. Mfg. Co., Kingston, N. Y.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*

7070— Knobs (Organ Stop)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
See adv index at end of book
ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*
Stevenson Mfg. Co. (Also Register), South Bend, Ind. *See adv index at end of book*

7071— Knobs (Plane)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

7072—Knobs (Pot Cover Repair)

Brown W. G. Mfg. Co., Kingston, N. Y.
Cassady Fairbank Mfg. Co. (Wood Handle, Enameled Black), 6126 S La Salle, Chicago, Ill.
Ellis Mfg. Co., Milldale, Conn.
ESTES E. B. & SONS ("Handy"), 364 5th av, New York
See adv index at end of book
Graham & Berwin ("Indian Head", "Grawin," "Ideal," "Yankee"), 451 Greenwich, New York

7073— Knobs (Push Button)

Waterbury Button Corporation, 831 South Main, Waterbury, Conn.
See adv index at end of book

7074-5— Knobs (Screen)

Berbecker & Rowland Mfg. Co., Waterville, Conn.

7076—Knobs (Wooden, Door, Drawer, Etc.)

Allen Chas. I (Furniture), Pequabuck, Conn.
Basic Mfg. Co., Wilmington, Del.
Bogert & Hopper, Inc. (Base, Bird Cage, Closet Door, Drawer, Cover, etc), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, (Chest, Enameled, Desk, Adding Machines, Bird Cage, Closet, Furniture, Kettle, Plane, Door), 364 5th av, New York
See adv index at end of book

WOODEN KNOBS



Enameled, Polished, Plain
REPAIR KNOBS
FURNITURE KNOBS
PLANE KNOBS
BASE KNOBS, Etc.
WOOD TURNINGS
of all kinds in all finishes
Mfd. by E. B. ESTES & SONS, 364 Fifth Ave., N. Y
"World's Largest Woodturners"—Estab. 1847

Frary Mfg. Co., Charlemont, Mass.
Grand Rapids Brass Co., Grand Rapids, Mich.
Fanner Mfg. Co. (Spun Steel), Cleveland, Ohio
Lynd L. E. Mfg. Co. ("Zero"), Mechanicsville, N. Y.
Mossman Jerome Estate (Organ, Rattan Chair, Go-Carts, etc.), Fitchburg, Mass.
National Lock Co. (For Furniture, etc.) Rockford, Ill.
New York Nickel Plating & Mfg. Co., 327 E 62d, New York
Novelty Turning Co., Norway, Me.
Piqua Handle & Mfg. Co. (Also "Bardsley" Lines), P. O. Box 307, Piqua, O.
Rowe Henry Mfg. Co., Newaygo, Mich.
South Bend Dowel Co., South Bend, Ind.
See adv index at end of book
Stover Mfg. & Engine Co. ("Ideal," Nickel Plated wire. etc), Freeport, Ill.
Stratton Mfg. Co., Stratton, Me.
Troy Nickel Works, Albany, New York
Tru Lite Mfg. Co. ("Tru Lite"), Dept. H, Bradford, Pa.
Weber-Knapp Co. (For Furniture & Phonographs), Jamestown, N. Y.
Wehrle Co., Newark, Ohio

7077— Knockers (Door)

Art Brass & Plating Works, 539 First av. So., Seattle, Wash.
Champion Hardware Co., Geneva, O.
Corbin P. & F., New Britain, Conn.
Earle Hardware Mfg. Co., 2369 E 51st, Los Angeles, Cal.
Ferro Studio, Inc. (Antique Only), 233 E 150th, New York
Ford Hardware Co., Inc. (Imp.), 25 W. 25th, New York
Highton Wm. & Sons Co., Nashua, N. H.
Hubley Mfg. Co. (Fancy), Lancaster, Pa.
Janusch Mfg. Co., 290 E 135th, New York
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Rostand Mfg. Co. ("Rostand," also miniature for Guest Room), Milford, Conn.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Taylor & Boggis Foundry Co., Cleveland, Ohio.

7078— Knuckles (Steel)

American Steel Foundries (Open Hearth). McCormick bldg, Chicago, Ill.
Buckeye Steel Castings Co., (Cast Steel) Columbus, O.
Chester Steel Casting Co., Chester, Pa.
Gould Coupler Co., 30 E 42nd, New York
National Car Coupler Co. ("Hinson Emergency"), 332 S Michigan av Chicago, Ill.
National Steel Casting Co., Montpelier. Ind.

7079— Knuckles (Steering)

Bonney Forge & Tool Works, Telghman, Allentown, Pa.
Irvington Mfg. Co. (Drop Forged), Irvington, N. J.
Western Drop Forge Co. (Drop Forged), P. O. Box 386, Marion, Ind.
Williams J. H. & Co., (Drop-Forged), 400 Vulcan, Buffalo, N. Y.

7080— Knurl Sets

Braunsdorf-Mueller Co., Elizabeth, N. J.

7081— Knurls

Braunsdorf-Mueller Co., Elizabeth, N. J.
Cincinnati Screw Co. (Wrench), Twightwee, Cincinnati, O.
Dixon Wm., 119 Fulton, New York
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Welch T. F. Co., 55 Sudbury, Boston, Mass.
Williams J. H. & Co. ("Agrippa"), 400 Vulcan, Buffalo, N. Y.

7082-3— Kominuters

Fuller-Lehigh Co. (Lining Plates), Fullerton, Pa. *See adv index at end of book*
Smidth F. L. & Co., 50 Church, New York

7084— Kryolith

Fergusson Alex. C., Jr., 474 Chestnut Phila., Pa. *See adv index at end of book*

Harshaw, Fuller & Goodwin Co., 545 Hanna Bldg., Cleveland, O.
See adv index at end of book
Pennsylvania Salt Mfg. Co. (Sole Importers of Greenland), Widener bldg, Philadelphia, Pa.
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book
Sundheimer Henry (Artificial), 103 Park av, New York
Vitro Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Wiarda John C. & Co., 33 Provost, Brooklyn, N. Y.
See adv index at end of book

7085— Label Mfrs.

Acme Lithograph Co., P. O. Box 831, Fresno, Cal.
Adams S. G. Stamp & Stationery Co. (Aluminum & Brass Metal), 413 N 6th, St. Louis, Mo.
American Label Co., 216 W 18th, New York
American Label Mfg. Co., Cross & Covington, Baltimore, Md.
Arnold's J. H, Son (Embossed Metal), 47 Fulton, New York
Braithwaite, C. W. Co. (Paint Mfgrs., etc.), 1213 W Van Buren, Chicago, Ill.
Chicago Label & Box Co., 213 N May, Chicago, Ill.
Chicago Tape & Label Co. (Linen), 831 N Spaulding av, Chicago, Ill.
Colorprint Label Co., 135 S 8th, St. Louis, Mo.
DECALCO LITHO CO., (Lithographed), 615H Newark, Hoboken, N. J.
Dennison Mfg. Co., So. Framingham, Mass.
Dickey-Grabler Works (Metal for all Purposes), W Madison & 103d, Cleveland, Ohio
Dunston of Dunkirk, Inc., Dunkirk, N. Y.
Eagle Lithographing Co. (Small Colored), 1672 Providence, Cinn., O.
Freeman Leon ("Freeman"), For Wearing Apparel, 404 S Wells, Chicago, Ill.
Friesleben & Armstrong, Inc. (Lithographed Paper), 533 Canal, New York
G. & P. Engraving Co. (For Fire Extinguishers), Wollaston, Mass.
Gair Robert Co., 250H Madison av, New York
Gugler Lithographic Co. (Lithographed, etc.), 636 Broadway, Milwaukee, Wis.
Illinois Glass Co. ("Diamond I"), Dept. H, Alton, Ill.
Jarden Lithographing Co. (Lithographed Stock Labels), 310 N 11th, Phila., Pa.
Kalamazoo Label Co., Kalamazoo, Mich.
Kittredge R. J. & Co., 312 W Superior, Chicago, Ill.
Lehmann Printing Co., 181 2d, San Francisco, Cal.
Matthews Jas. H. & Co., 3943 Forbes, Pittsburgh, Pa.
See adv index at end of book
Miller Lithograph Co., 458 Brannan, San Francisco, Cal.
Milwaukee Gummed Label & Seal Co., Milwaukee, Wis.
Milwaukee Label & Seal Co., 161 Michigan, Milwaukee, Wis.
Mott Wallace A. (Plain & Printed), Norwalk, Conn.
Murison Label Co., San Jose, Cal.
National Label Co., 3343 N Carlisle, Philadelphia, Pa.
Oval & Koster (Lithographed, etc), Indianapolis, Ind.
Pacific Label Co., 156 2d, San Francisco, Cal.
Perfection Mfg. Co. (Florist's), Penobscot bldg, Detroit, Mich.
Randolph Box & Label Co., 843 W. Van Buren, Chicago, Ill.
Roesch Louis Co., Mission at 15th, San Francisco, Cal.
Roll Label Mfg. Co., 1835 Park av, New York.
Ryan J. D. Co. (Lithographed), 735 Central av, Cleveland, O.
Sackett & Wilhelms Corp., Grand & Morgan av., B'klyn, N. Y.
St. Louis Label Works (Druggists), 935 N 11th, St. Louis, Mo.
St. Louis Sticker Co., 1627 Washington av, St. Louis, Mo.
Scharf Tag & Label Co. (Gum), Ypsilanti, Mich.
Schmidt Lithograph Co., Dept. H, 2d & Bryant, San Francisco, Cal.
Stanley Mfg. Co., 46 Cannon, Dayton, O.
Stettler F. C. Mfg. Co., Oregon & Occident, Portland, Ore.
Tablet & Ticket Co., 1021 W Adams, Chicago, Ill.
U. S. Printing & Lithograph Co., Robertson av & Beech Norwood, Cincinnati, O.
United States Woven Label Co. (Cotton), 45 W 34th, New York
Waldorf Paper Products Co. (Canners, etc.), St. Paul, Minn.
Western Lithograph Co. ("Welco"), 600 E 3d, Los Angeles, Cal.
Woodbury Label Co. (Druggists'), Woodstock, Vt.
Woodward-Tiernan Printing Co., 309 N 3d, St. Louis, Mo.

7086— Labels (Canners')

Acme Lithograph Co., P. O. Box 831, Fresno, Cal.
American Label Co., 216 W 18th, New York
American Label Mfg. Co., Cross & Covington, Baltimore, Md.
Decalco Litho Co., 615H Newark, Hoboken, N. J.
Dunston of Dunkirk, Inc., Dunkirk, N. Y.
Gair Robert Co., 350H Madison av, New York
Kittredge R. J. & Co., 812 W Superior, Chicago, Ill.
Lehmann Printing Co., 181 2d, San Francisco, Cal.
Matthews Jas. H. & Co. (Brass, Tin & Thin Embossed), 3942 Forbes, Pittsburgh, Pa. *See adv index at end of book*
Miller Lithograph Co., 458 Brannan, San Francisco, Cal.
Murison Label Co., San Jose, Cal.
Oval & Koster, Indianapolis, Ind.
Redlich Mfg. Co., 637 to 647 W Oak st, Chicago, Ill.
Schmidt Lithograph Co., Dept H, 24 & Bryant, San Francisco, Cal.
U. S. Printing & Lithograph Co., Robertson av & Beech Norwood, Cincinnati, O.
Waldorf Paper Products Co., St. Paul, Minn.
Western Lithograph Co. ("Welco"), 600 E 3d, Los Angeles, Cal.
Woodward-Tiernan Printing Co., 309 N 3d, St. Louis, Mo.

7087—Labels (Florists' & Nurserymen's)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
See adv index at end of book
Chase Benj. Co., (Wood), Derry, N. H.
Estes E. B. & Sons (Wooden), 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co. (Sticks), 166-174 Portland, Boston, Mass.
See adv index at end of book
Waterbury Button Corporation, 831 South Main, Waterbury, Conn.
See adv index at end of book

7088— Labels (Gummed)

Adhesive Paper Products Corp., 3343 Fillmore, San Francisco, Cal.
American Mfg. Co., Battle Creek, Mich.
California Binding Co., 272 Sutter, San Francisco, Cal.
Dennison Mfg. Co., So. Framingham, Mass.
Druggists Label Co., 122 Front, San Francisco, Cal.
Eastern Pin Ticket & Tag Co. (On the Roll), Perkasie, Pa.
Eisler Anthony & Co., 227 Canal, New York
Eureka Spec. Printing Co., Scranton, Pa.
Fairbairn & Company, 128 Halleck, San Francisco, Cal.
Fenton Label Co., 506 Race, Phila., Pa.
Grand Rapids Label Co. ("Sictite" Advertising Stickers), Grand Rapids, Mich.
Kalamazoo Label Co., Kalamazoo, Mich.
Keller Printing Co., 395 Lafayette, New York
Keystone Printed Specialties Co., 325 Pear, Scranton, Pa.
Kirby-Cogeswell Co., 174 Huron, Milwaukee, Wis.
McCourt Label Cabinet Co., Bradford, Pa.
Manhattan Roll Label Co. (In Rolls), 465 Broome, New York
Milwaukee Label & Seal Co. ("Julian"), 161 Michigan, Milwaukee, Wis.
National Binding Machine Co., 291 Broadway, New York
National Label Co., 334 N Carlisle, Philadelphia, Pa.
Pacific Coast Tag Mfg. Co., 45 Dore, San Francisco, Cal.
St. Louis Sticker Co. (Advertising, Shipping & Price Stickers), 1627 Washington av, St. Louis, Mo.
Shuman Frank G. (Rolls, Pads, Loose, die cut & embossed), 216 N. Clinton, Chicago, Ill.
Standard Publishing Co., Vineland, N. J.
Tablet & Ticket Co., 624 W Adams, Chicago, Ill.
Thomas Stationery Mfg. Co., Springfield, O.

7088a—*Labels (Plant & Tree, Wood)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

7089— Labels (Underwear)

Clark R. S. & Son, Cohoes, N. Y.
Freeman Leon, 404 S Wells, Chicago, Ill.
Woodward & Tiernan Printing Co., 309 N. 3rd, St. Louis, Mo.

7090— Labels (Wood)

Chase Benj. Co. (Nurserymen & Florists), Derry, N. H.
Kirschbraun Lester (Pavement Materials), 536 Lake Shore Drive, Chicago, Ill.

7091— Labels (Woven)

Alkahn Silk Label Co., 116 W 32d, New York
American Silk Label Mfg. Co. (Silk), 116 W 32d, New York
Artistic Weaving Co. (Cotton & Silk), 141 W 36th, New York
Buffalo Woven Label Works (Silk & Cotton), 565 Washington, Buffalo, N. Y.
Cash J. & J. Ltd. (Silk & Cotton), South Norwalk, Conn.
Empire State Silk Label Co. (Silk & Cotton), 215 Tyler, West New Brighton, N. Y.
Fairbairn & Company (Printed), 128 Halleck, San Francisco, Cal.
Freeman Leon (Cotton), 404 S Wells, Chicago, Ill.
German Artistic Weaving Co. (Silk), 141 W. 36th, New York
Hamilton Web Co. (Jacquard Name Straps for Boots & Shoes), Hamilton, R. I.
Hercules Mfg. Co. (Silk), Midvale, N. J.
Kluge E. H. Weaving Co. (Cotton & Silk), 33 W 34th, New York
Loth Joseph & Co. (Silk), Norwalk, Conn.
N. Y. Woven Label Mfg. Co. (Silk), 45 W 34th, New York
Reis G. & Bro. (Cotton & Silk), 900 B'way, New York
Star Ribbon Mfg. Co. (Silk), 117 E 24th, New York
U. S. Woven Label Co. (Cotton), 45 W 34th, New York
Universal Label Weaving Co. (Silk), Paterson, N. J.
Warner Mfg. Co. (Silk), Paterson, N. J.

7092—Laboratories (Chemical & Physical)

See also Laboratories, Testing

Booth, Garrett & Blair, 406 Locust, Phila., Pa.
Crowell & Murray, Perry-Payne bldg, Cleveland, O.
Dearborn Chemical Company, 310 S Michigan av, Chicago, Ill.
HUNT ROBERT W. CO., 175 W Jackson blvd, Chicago, Ill.
See adv index at end of book
Industrial Testing Laboratories, 1306 S Los Angeles, Los Angeles, Cal.
Laucks I. F., Inc., 99 Marion, Seattle, Wash.
Northwest Testing Lab., 114 Marion, Seattle, Wash.

7093—Laboratories (Testing)

Allentown Testing Laboratory (Cement, etc), 373 Linden, Allentown, Pa.
American Bureau of Inspections & Tests, Monadnock blk, Chicago, Ill.
Armour Institute of Technology, 3300 Federal, Chicago, Ill.
Bennetts Chemical Laboratory (Copper), Tacoma, Wash.
California Ore Testing Co., 630 Sacramento, San Francisco, Cal.
Chemical Economy Co., 1640 N Spring, Los Angeles, Cal.
Cornell University, Ithaca, N. Y.
Detroit Testing Laboratory (Iron, Steel, Etc.), 3726 Woodward, Detroit, Mich.
Electrical Testing Co., Peoria, Ill.
Electrical Testing Laboratories (General Testing & Inspecting), 80th & East End av, New York
Falkenburg & Co., 116 Yesler way, Seattle, Wash.
Fassett C. M. Co., N 209 Wall, Spokane, Wash.
Fitzgerald Laboratories (Electric Furnace Practice), Niagara Falls, N. Y.
Gascoyne & Co., 27 S Gay, Baltimore, Md.
Gulick-Henderson Co. (Physical & Chemical), 525 3rd av, Pittsburgh; 21 Park Row, New York, & Chicago
Harris Laboratory, Inc. (Rubber), 26 Cortlandt, New York
Herman John, 339 S Los Angeles, Los Angeles, Cal.
Hildreth & Co., 15 Broad, New York
Howard J. W. (Pavements), 1 Broadway, New York
HUNT ROBERT W. CO., 175 W Jackson blvd., Chicago, Ill.
See adv index at end of book
Illinois Testing Laboratories, 143 W Austin av, Chicago, Ill.
Industrial Chemical Laboratories, 7th & Kirkham, Oakland, Cal.
Industrial Testing Laboratories, 1306 S Los Angeles, Los Angeles, Cal.
Kansas City Testing Laboratory, 700 Baltimore, Kansas City, Mo.
Laucks, I. F., Inc., 99 Marion, Seattle, Wash.
Maas A. R. Chemical Co., 308 E 8th, Los Angeles, Cal.
Modjeski & Angier, 28 E Jackson, Chicago, Ill.
Newlands Sanitary Laboratory, 11 Laurel, Hartford, Conn.
Northwest Testing Lab., 114 Marion, Seattle, Wash.
Northwestern Testing Laboratory, 2113 3d av, Seattle, Wash.
Osborne Raymond G., Marsh-Strong bldg, Los Angeles, Cal.
Pacific Chemical Laboratories, 417 Montgomery, San Francisco, Cal.
Pacific Coast Testing Laboratory, Seattle, Wash.
Penniman & Browne, 215 E Fayette, Baltimore, Md.
Pittsburgh Testing Laboratory, 7th & Bedford, Pittsburgh, Pa.
St. Louis Sampling & Testing Works (Ores, Fuels, etc), 713 Clark av, St. Louis, Mo.
Smith, Emery & Co., 651 Howard, San Francisco, Cal.
Souther Henry Engng. Corp., 111 Laurel, Hartford, Conn.
Stupakaff Laboratories, 6639 Hamilton av, Pittsburgh, Pa.
Twining Laboratories, 2146 Merced, Fresno, Cal.
Underwriters' Laboratories, 207 E Ohio, Chicago, Ill.
Wiedemann H. E., Chemical bldg, St. Louis, Mo.
Wiley & Company, 904H, No. Calvert, Baltimore, Md.
Wrana King & Co. Inc., 605 E 3rd, Los Angeles, Cal.

7094—Laboratory Apparatus & Supplies

Alberene Stone Co. (Soapstone), 153 W 23d, New York
Atlas Laboratory Equipment Bureau, 731 N Wells, Chicago, Ill.
Baker F. M. Apparatus Co. (Dirs), Syracuse, N. Y.
Braun Corporation, 363 New High, Los Angeles, Cal.
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Buffalo Dental Mfg. Co., 589 Main, Buffalo, N. Y.
Calkins Co., 934 S Main, Los Angeles, Cal.
Chicago Apparatus Co. (For Schools, etc), 32 S Clinton, Chicago, Ill.
Chicago Surgical & Elec. Co. (& Furniture), 324 W Superior, Chicago, Ill.
Columbia School Supply Co. (For Schools, etc), 326 W 17th, Indianapolis, Ind.
Daigger A. & Co., 54 W Kinzie, Chicago, Ill.
Eimer & Amend ("Salvarsan"), 205 E 18th, New York.
Elyria Enameled Products Co. (Glass Enameled), Elyria, O.
Fassett C. M. Co., N 209 Wall, Spokane, Wash.
Gray Peter & Sons (Inc.) (Bacteriological), 286 Third, East Cambridge, Mass.
Griebel Instrument Co., Dept. H, Carbondale, Pa.
Greiner Emil Co., 55 Fulton, New York
Greiner Gottlieb (Glass), 38 Vesey, New York
HANOVIA CHEMICAL & MFG. CO., 100 Chestnut, Newark, N. J.
Howard & Morse (Sieve Agitators, Vicat Needles, Penetrometers & Testing Sieve, etc.), 45 Fulton, New York
International Instrument Co., Cambridge, Mass.
Inter-Ocean Cabinet Co., 320 S Paulina, Chicago, Ill.
Jewell Electrical Instrument Co., 1650 Walnut, Chicago, Ill.
Kimble Glass Co. ("Exax"), Dept. H, Vineland, N. J.
Knott L. E. Apparatus Co., 79 Amherst, Cambridge, Mass.
Leeds & Northrup Co., 4901 Stenton av, Philadelphia, Pa.
National Appliance Co., ("Halverson's" Water Bath), 935 Sandy blvd., Portland, Ore.
Norton Co. (Electric Furnace Parts, Refactory Wire), Barbers Crossing, Worcester, Mass.
Ohio Pottery Co. ("Ohio" Laboratory Porcelain), Zanesville, O.
Pantechnical Mfg. Co. ("Pantec"), 2051 Adeline, Berkeley, Cal.
Peterson Leonard & Co. (Furniture), 1222 Fullerton av., Chicago, Ill.
Precision Scientific Co., 320-322 S Tripp av, Chicago, Ill.
Rochester Laboratory Supply Co., 64 Gorham, Rochester, N. Y.
Sargent E. H. & Co. (Especially for Sugar Factories), 155 E Superior, Chicago, Ill.
Schaar & Co., 556H, W. Jackson blvd., Chicago, Ill.
Scientific Materials Co., 717 Forbes, Pittsburgh, Pa.
Scientific Supplies Co., 310 Occidental av, Seattle, Wash.
Scientific Utilities Co., Inc., 18 E 16th New York
Standard Glass Specialty Co. (Glass), Morgantown, W. Va.
Structural Stone Co., Hubbard, Ohio.
Thermal Syndicate Ltd., ("Vitreosil" Pure Fused Silica Combustion Tubes, Crucibles, Evaporating Dishes, Tubing, Capsules, Muffler, etc.), 58 Schenectady av, New York
Thermo Electric Instrument Co., 8H Johnson, Newark, N. J.

Thomas A. H. Co. (Dealers), W Washington sq., Phila., Pa.
University Apparatus Co., Berkeley, Cal.
Walstad Machine Co. (Concrete Testing Appliances), 1005 East D, Tacoma, Wash.
Welch W M Mfg. Co., 1516 Orleans, Chicago, Ill.
Wiarda John C. & Co., (Lead Utensils & Lead Containers for Acids), 83 Provost, Brooklyn, N. Y.
See adv index at end of book
Will Corp., Dept. H, Rochester, N. Y.

7095—Laboratory Wood Work

Federal Equipment Co., Carlisle, Pa.
Grand Rapids Hand Screw Co. (Special Work), Grand Rapids, Mich.
Jardon Lithographing Co. (Perfumery Labels in stock), 310 N. 10th, Phila., Pa.
Kewaunee Mfg. Co., Kewaunee, Wis.

7096— Lace (Coach)

Bridgeport Coach Lace Co., Bridgeport, Conn.
Horstmann Wm. H. Co., 5th & Cherry, Philadelphia, Pa.
Schlegel Mfg. Co., 277 N Goodman, Rochester, N. Y.
Vogt Mfg. Corp., 403H St. Paul, Rochester, N. Y.

7097— Laces (Corset)

Ansonia O. & C. Co., Ansonia, Conn.
Colton Geo. S. Elastic Web Co. (Elastic), Easthampton, Mass.
Dawson Albert, Pawtucket, R. I.
Diamond Braiding Mills, Chicago Heights, Ill.
Hewitt White Co., Paterson, N. J.
Hoffman-Corr Mfg Co., 312 Market, Philadelphia, Pa.
International Braid Co., 47 Charles, Providence, R. I.
Joslin Mfg. Co., 50 Tobey, Providence, R. I.
La Porte Braiding Mills Co., La Porte, Ind.
Kitchell Mfg. Co. (Silk, Mohair, Cotton & Mercerized), Portsmouth, O.
Narrow Fabric Co. (Nufashond," Cotton & Silk), Reading, Pa.
United Lace & Braid Mfg. Co. ("Beaded Tip"), (P O Providence), Auburn, R. I.

7098— Laces (Shoe)

Ansonia O. & C. Co., Ansonia, Conn.
Atlantic Tubing Co., 1756 Cranston, Providence, R. I.
Colonial Braid Co., So Attleboro, Mass.
Diamond Braiding Mills, Chicago Heights, Ill.
Dudley D. T. & Co., Haverhill, Mass.
Glencairn Mfg. Co. (Silk), Pawtucket, R. I.
Hewitt-White Co., Paterson, N. J.
International Braid Co., 47 Charles, Providence, R. I.
Joslin Mfg. Co., 50 Tobey, Providence, R. I.
Kenyon J. J. Mfg. Co., Pawtucket, R. I.
La Porte Braiding Mills Co, La Porte, Ind.
Mitchell Mfg. Co. (Silk, Mohair, Cotton & Mercerized), Portsmouth, O.
Narrow Fabric Co. ("Nufashond"), (Cotton & Silk), Reading, Pa.
Pawtucket Braided Line Co., Pawtucket, R. I.
Phenix Laces Mills, Phenix, R. I.
Rhodes M. M. & Sons Co., Taunton, Mass.
Rochester Woven Belting Corp., East Rochester, N. Y.
Rockland-Webbing Co., Rockland, Mass.
Small Bros., Fall River, Mass.
Standard Braid Co., Attleboro Falls, Mass.
United Lace & Braid Mfg. Co. ("Beaded Tips") (P O Providence), Auburn R. I.
Whitcher F. W. Co., 14 Albany, Boston, Mass.

7098a—Lacing (Automobile Hood)

Chicago Rawhide Mfg. Co. (The), (Leather), 1307 Elston av, Chicago, Ill.
See adv index at end of book
Detroit Leather Works, 683 Lafayette av, East, Detroit, Mich.
Empire Weaving & Belting Corp., East Rochester, N. Y.
Livermore Homer F., Inc. (Radiator), 85 Pearl, Boston, Mass.
Russell Mfg. Co. ("Rusco"), Middletown, Conn.

Lacing Belt

See Belt Lacing

7099— Lacquer Mfrs.

Acme White Lead & Color Works, St. Aubin & M. C. R. R., Detroit, Mich.
Am. Wood Preserving Co., 3743 N Marshfield av, Chicago, Ill.
Ault & Wiborg Co., Cincinnati, O.
Bakelite Corp. (For producing a hard, transparent, resistive coating for highly finished metal), 247 Park av, New York
See adv index at end of book

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Barrett M. L. & Co. ("Spirit," "Swastika," "India," "Zaco," "Three Star," "Barcolax"), 235H W. Lake, Chicago, Ill.
California Paint Co., Oakland, Cal.
Celluloid Zapon Co. ("Zapon" Jet Black), 247 Park av, New York
Chase Roberts & Co., West av, Long Island City, N. Y.
Chemical Products Co. ("Selestron" Non-Flame Sheets & Dopes), 44K S Boston, Mass.
Cooper Chas. & Co., 194 Worth, New York
DU PONT E. I. DE NEMOURS & CO. INC., (Chemical Products Div.) ("Viscolac," see adv. at Chemicals), Parlin, N. J.
See adv index at end of book
Durable Products Co., ("Ever-Brite"), East Liverpool, Ohio.
Durlacque Mfg. Co., 1811 Chestnut, St. Louis, Mo.
Egyptian Lacquer Mfg. Co., 5 E 40th, New York
Ernecke & Salmstein Co., 944 W. North av., Chicago, Ill.
Essex Varnish Co., 218 McWhorter, Newark, N. J.
Feigel M. & Bro. (Importers), 135 Wooster, New York
Forest City Paint & Varnish Co., 2334 Lakeside av, Cleveland, O.
French Samuel H. & Co., 4th & Callowhill, Phila., Pa.
Glidden Co., Madison av & Berea rd., Cleveland, O.
Hilo Varnish Corp., Marcy & Flushing avs, Bklyn, N. Y.
IMPERVIOUS VARNISH CO., 421 Wood, Pittsburgh, Pa.
Kalbfleisch Corp., 200 5th av, New York.
Lacquer-All Co., 126 Military, Detroit, Mich.
Lucas Jno. & Co., 322 Race, Phila., Pa.
Maas & Waldstein Co., 92 Willyiam, New York
Maier's John G. Sons ("Maier's Silver for Cans), 153 N Gay, Baltimore, Md.
Masury Jno. W. & Son (Colored), 50 Jay, Brooklyn, N. Y.
Newman Mfg. Co., 420 Elm, Cincinnati, O.
Nikolas G. J. & Co. ("Nikolas"), 1227 W Van Buren, Chicago, Ill.
Nubian Paint & Varnish Co. ("Ebonite"), 1856 Leclaire av, Chicago, Ill.
O'Brien Varnish Co. (Flat Black), South Bend, Ind.
Patton Paint Co., Milwaukee, Wis.
Schlegel Oscar Mfg. Co., 124 E 13th, New York
Standard Varnish Works, 443H 4th av, New York
Toch Bros., 320 5th av, New York
Zeller Lacquer Mfg. Co. ("Zeller"), 342 Madison av, New York

7099a—Lacquer Spray Equipment

BINKS SPRAY EQUIPMENT CO., 3129 Carroll av, Chicago, Ill.

7100—Lacquering for the Trade

Arnold N. B. (Metal), Sigrny., B'klyn, N. Y.
Barlow Co., Holyoke, Mass.
Canister Co. of New Jersey (Tin Lacquering Only), Phillipsburg, N. J.
Excelsior Nickel Plating Works, 40 Clifford, Providence, R. I.
Franche C. E. & Co. (Metal), 440 Orleans, Chicago, Ill.
Grosback Wm. & Co., 37 Maspeth av, Brooklyn, N. Y.
Hanson & Van Winkle Co. (Metal), 269 Oliver, Newark, N. J.
Howard Jas. L. & Co. (Brass), Hartford, Conn.
Kalamazoo Plating Works, Kalamazoo, Mich.
National Mfg. & Electro Plating Co., 16 Calender, Providence, R. I.
Newman Mfg. Co., 420 Elm, Cincinnati, Ohio
Oriental Varnish Wks. (Metal), 979 Franklin av, B'klyn, N. Y.
Roesch Bros. Plating Works, Belleville, Ill.

7101— Lacquers (Anti Rust)

Bakelite Corp., 247 Park av, New York
See adv index at end of book
Impervious Varnish Co., 421 Wood, Pittsburgh, Pa.

7102—Lacquers (Armature)

Bakelite Corp., 247 Park av, New York
See adv index at end of book
Impervious Varnish Co., 421 Wood, Pittsburgh, Pa.
Sterling Varnish Co., Fulton bldg., Pittsburgh, Pa.

7103— Lacquers (Canners')

California Paint Co., Okland, Cal.
IMPERVIOUS VARNISH CO., 421 Wood, Pittsburgh, Pa.
Maier's John G. Sons, 153 N Gay, Baltimore, Md.

7104— Lacquers (Metal)

BAKELITE CORP., 247 Park av, New York
See adv index at end of book
Buchanan Thos. Co. (The), (& Wood), 114 W. Pearl, Cincinnati, O.
See adv index at end of book
Celluloid Zapon Co. ("Zapon"), 247 Park av, New York
Impervious Varnish Co., 421 Wood, Pittsburgh, Pa.

7104a—Lacquers (Pyroxylin, Wood & Metal)

Alcohol Products Co., Blanchard, Newark, N. J

7105— Lacquers (Silver)

Celluloid Zapon Co., 247 Park av, New York

7106-7— Lac Sulphur

Anderson-Hillier Co., Inc. (Imp.), 73 Hudson, New York

7108— Lactometers

Eimer & Amend, 205 E 18th, New York
Tagliabue Chas. J. Mfg. Co., 18 33rd, Brooklyn, N. Y.

7109— Lactose

Hoffmann-La Roche Chemical Works, 19 Cliff, New York
Innis Speiden & Co., 46 Cliff, New York
Merck & Co., 45 Park pl, New York
National Milk Sugar Co., 13 Park row, New York
Sheffield By-Products Co., Hobart, N. Y.

7110—Ladder Rounds (Miner's)

Ransome Concrete Machinery Co., Dunellen, N. J.
Sandusky Tool Co., Sandusky, O.

7111— Ladders

Acme Mfg. Co., 1866 East, Pittsburgh, Pa.
American Sash & Door Co., 16th & Bellefontaine, Kansas City, Mo.
Ashboro Wheelborrow Co. ("Step"), Ashboro, N. C.
Austell Swing & Ladder Co., Austell, Ga.
Babcock W. W. Co., Bath, N. Y.
Bacon & Co. ("Niagara" Extension, Single & Step Ladders), Gasport, N. Y.
Bent Rung Ladder & Mfg. Co. (Step, Extension, Sectional, etc), Indiana, Pa.
Berg John Mfg. Co. (Step Extension), 5001 S. Wells, Chicago, Ill.
Berger, Leander D., 59 N 2d, Phila., Pa.
Bicycle Step Ladder Co. (Step "Model Six" Auto Ladders), 6 W. Randolph, Chicago, Ill.
Bishop Ladder Co., Hartford, Conn.
Boss Ladder Co., ("Boss"), 699 Ward, San Leandro, Cal.
Brown Jno. K. & Co., 181 3d av, Brooklyn, N. Y.
Brown Safety Ladder Mfg. Co. ("Brown"), 439 S Clark, Chicago, Ill.
Chesbro, Whitman Co., 1167 1st av, New York
Chicago Railway Signal & Supply Co., 122H S Michigan av, Chicago, Ill.
Clark J. R. & Co. (Step & Extension), 2nd av N & Aldrich Minneapolis, Minn.
Coldwater Ladder Co., Coldwater, Mich.
Columbus Brass Co. (Plunge for Gymnasium, 620 Dublin av, Columbus, Ohio
See adv index at end of book
Combination Ladder Co. (Extension), 381 Fountain, Providence, R. I.
Corbett & Co., 429 E 109th, New York
Crain Pump & Lumber Co., 623 Arch, Phila., Pa.
Cresmer Mfg. Co. Inc., ("Stevenson"), 170 8th, Riverside, Cal.
Crown Iron Works Co., 1229 Tyler, Minneapolis, Minn.
Cupples Sam'l Woodenware Co., 7th & Spruce, St. Louis, Mo.

(Continued on following page)

Ladders—Continued

Curtis Bros. & Co., Clinton, Ia.
Davenport Ladder Co. (Extension Step, Fruit Pickers Trestle Combination, Painters, Scaffold, etc), Davenport, Ia.
Davis John B., Clinton, Me.
Dillingham Mfg. Co., Sheboygan, Wis.
Far West Mfg. Co., Albany, Ore.
Flint A. W. & Co., 407 Winthrop, New Haven, Conn.
Frizell Ladder Co. ("Dorchester" Extension & "Fairy," "Giant," "Climax" Step, etc), 135 Granite av, Boston, Mass.
Glidden W. L., 1015 Atlantic av, Brooklyn, N. Y.
Goshen Churn & Ladder Co. ("Famous"), Goshen, Ind.
Goshen Mfg. Co. (Step), Goshen, Ind.
HARKER MFG. CO., (Safety), 121-123 W 3rd, Cincinnati, O.
Heider Mfg. Co. (Extension, Straight, etc), Carroll, Ia.
Horst Bros., 139 N 6th, Philadelphia, Pa.
Imperial Brass Mfg. Co. (Swimming Pool Solid Brass Tube), 1200 W. Harrison, Chicago, Ill.
Inland Mfg. Co. (Inland), Fresno, Cal.
Kramer-Bissell Co., Inc., 6259 Duwamish av, Seattle, Wash.
Krewson T. C., 801 Master, Phila., Pa.
Lansing Co., Lansing, Mich.
Los Angeles Ladder Co., Los Angeles, Cal.
Lumber Products Co., 1454 MacAdam, Portland, Ore.
Mallory C. M., Albion, N. Y.
Michigan Ladder Co., Ypsilanti, Mich.
Mitchell J. W., Medford, Ore.
Moulton C. W. H. Co. (Extension, Folding, Self-Supporting, Section, Window Cleaning Step, Long Pole, etc), Somerville, Mass.
New Britain Machine Co. ("New Britain" Metallic, permanent), 190 Chestnut, New Britain, Conn.
Newton & Haggerty Ladder Co., Ann Arbor, Mich.
New York Ladder Co., 384 Hudson, New York
Northwest Fence & Wire Works, ("Northwest"), E 11th & Flanders, Portland, Ore.
Palmer, Jarvis, Northville, Mich.
Paris Mfg. Co., So. Paris, Me.
Patterson J. B. Co., ("Popular Security"), 1212 19th, Oakland, Cal.
Pease F. B. Co. (Extension, Step & Common Extension & Plain Trestles), Rochester, N. Y.
Portland Extn. Ladder & Pole Co. ("Flying Yankee" Extension, for Railroads, Electric & Telegraph Companies), 130 Orange, Newark, N. J.
Potter Robert, Orwell, N. Y.
Powell Benj., 109 Allen, Springfield, Mass.
Pratt Mfg. Co., Coldwater, Mich.
Reilley Bros. Ladder Co., 324 W 41st, New York
Rich Pump Co. (also Decorator's), South & Depot, Cincinnati, O.
Saginaw Ladder Co. (Ltd.), (Combined Step & Extension), Saginaw, Mich.
San Francisco Ladder Co., 1224 Folsom, San Francisco, Cal.
Schad Chas., 11 Jefferson, Brooklyn, N. Y.
Silo Specialty Mfg. Co. (Silo), Clinton, Iowa
Smith S. A. Mfg. Co. (Step), Brattleboro, Vt.
Southern California Ladder Co., 142 E 58th, Los Angeles, Cal.
Specialty Mfg. Co., Titusville, Pa.
Stiles H. A. & Co. (Window Cleaners), 166-174 Portland, Boston, Mass.
See adv index at end of book
Superior Ladder Co. ("Monarch" Step, etc), Goshen, Ind.
Udell Works (Step & Extension), Indianapolis, Ind.
UNION BLIND & LADDER CO., INC. ("Sprusteel" Step & Orchard, Painters, French Trestle and Window Cleaners), 3535 Peralta, Oakland, Cal.
See adv index at end of book
Van Buskirk John W., Lawrence, Mass.
Waggoner Extension Ladder Co., 1068 Aurora, Stockton, Cal.
Western Ladder & Woodworks, 143 Augusta, Los Angeles, Cal.
Wheeler Geo., Norwich, New York
Whitehurst R. W. Mfg. Corp., Norfolk, Va.
Wilkinson Mfg. Co., Binghamton, N. Y.
Wis. Iron & Wire Works (Brass Bronze & Wright Iron), 1660 Booth, Milwaukee, Wis.
Young Bros. Co. (Step & Common), 2 Brooks, Worcester, Mass.

Ladders (Chair)

See Chairs, Combination, Step Ladder

7112— Ladders (Extension)

Bacon & Co. ("Niagara"), Gasport, N. Y.
Bent Rung Ladder & Mfg. Co., Indiana, Pa.
Berg John Mfg. Co., 5001 S Wells, Chicago, Ill.
Berger Bros. Co., ("Perfection"), 229 Arch, Phila., Pa.
Boss Ladder Co., ("Boss"), 699 Ward, San Leandro, Cal.
Brown Safety Ladder Mfg. Co. ("Brown"), 439 S Clark, Chicago, Ill.
Clark J. R. Co., 2nd av N & Aldrich, Minneapolis, Minn.
Combination Ladder Co., 381 Fountain, Providence, R. I.
Davenport Ladder Co., Davenport, Ia.
Far West Mfg. Co., Albany, Ore.
Fellows & Co., 47 High, Boston, Mass.
Flint A. W. & Co., 407 Winthrop, New Haven, Conn.
Frizell Ladder Co. ("Dorchester"), 135 Granite av, Boston, Mass.
Goshen Churn & Ladder Co., Goshen, Ind.
Hays Geo W., 228 5th, Milwaukee, Wis.
Heider Mfg. Co., Carroll, Ia.
Horst Bros., 139 N 6th, Phila., Pa.
Inland Mfg. Co. ("Inland"), Fresno, Cal.
Kramer-Bissel Co. Inc., 6259 Duwamish av, Seattle, Wash.
Krewson T. C., 801 Master, Phila, Pa.
Los Angeles Ladder Co., 1600 Central av, Los Angeles, Cal.
Lumber Products Co., 1454 MacAdam, Portland, Ore.
Moulton C. W. H. Co., Somerville, Mass.
Northwest Fence & Wire Works, ("Northwest"), E 11th & Flanders, Portland, Ore.
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Patterson J. B. Co., ("Popular" & "Security"), 1212 19th, Oakland, Cal.
Pease F. B. Co., Rochester, New York
Portland Extn. Ladder & Pole Co., 130 Orange, Newark, N. J.
Reilley Bros. Ladder Co., 324 W 41st, New York
Rich Pump Co. ("Ideal," "Sampson," "Reliable," "Safety," "Fruit Picker") South & Depot, Cincinnati, O.
Saginaw Ladder Co., Ltd., Saginaw, Mich.
San Francisco Ladder Co., 1224 Folsom, San Francisco, Cal.
Smith S. A. Mfg. Co., Brattleboro, Vt.
Southern California Ladder Co., 142 E 58th, Los Angeles, Cal.
Stokes Wm. A. & Co., 50 Howard, N. Y.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Superior Ladder Co., Goshen, Ind.
Udell Works, Indianapolis, Ind.
UNION BLIND & LADDER CO., INC. ("Hills" Patent, used by Fire Department and by U. S. Government), 3535 H Peralta, Oakland, Cal.
See adv index at end of book
Waggoner Extension Ladder Co., 106 S Aurora, Stockton, Cal.
Western Ladder & Woodworks, 143 Augusta, Los Angeles, Cal.
Young Bros. Co., 2 Brooks, Worcester, Mass.

7113—Ladders (Extension Scaffold)

Berg John Mfg. Co., 5001 S Wells, Chicago, Ill.
Cupples Samuel Woodenware Co. ("Hercules" Sectional Ladder & Extension Tops), 7th & Spruce, St. Louis, Mo.
Davenport Ladder Co. (Also Extension, Windlass, Also Rope & Pulley Attachment, etc), Davenport, Ia.
Los Angeles Ladder Co., 1600 Central av, Los Angeles, Cal.
Northwest Fence & Wire Works ("Northwest"), E 11th & Flanders, Portland, Ore.
Patterson J. B. Co., ("Popular" & "Security"), 1212 19th, Oakland, Cal.
Popular Ladder & Mfg. Co., ("Popular" & "Security"), 1208 19th, Oakland, Cal.
Portland Extn. Ladder & Pole Co., 130 Orange, Newark, N. J.
Southern California Ladder Co., 142 E 58th, Los Angeles, Cal.
Western Ladder & Woodworks, 143 Augusta, Los Angeles, Cal.

7114— Ladders (Fire)

Castle Jas. M. Inc., 1224 Arch, Phila., Pa.
Combination Ladder Co., 381 Fountain, Providence, R. I.
Davenport Ladder Co., Davenport, Ia.
Heath J. S. Co. (Brass) Franklin & Ontario, Chicago, Ill.
Los Angeles Cushion Drop Ladder Co., 111 Mesnanger, Los Angeles, Cal.
Los Angeles Ladder Co., 1600 Central av, Los Angeles, Cal.
Moulton, C. W. H. Co., Somerville, Mass.
Pirsch Peter & Co., Kenosha, Wis.
Portland Extn. Ladder & Pole Co. ("J. A. Weston's" Safety Trussed), 130 Orange, Newark, N. J.
Robinson Fire Apparatus Co., 4268 N 20th, St. Louis, Mo.
Safety Fire Extinguisher Co., 295 7th av, New York
Seagrave Co., Columbus, Ohio
Union Blind & Ladder Co., Inc. ("Hill" Patent Extension Ladder), 3535 Peralta, Oakland, Cal.
See adv index at end of book
Woodhouse Mfg. Co., 35 Warren, New York
Young Bros. Co., 2 Brooks, Worcester, Mass.

7115—Ladders (Folding Roof)

Danzer Metal Works, Hagerstown, Md.

7116—Ladders (Freight Car)

Damascus Brake Beam Co. ("Brascott"), London rd & Nickel Plate, Cleveland, O.
De Remer Blatchford Co., Dept. H, Railway Exchange bldg, Chicago, Ill.
See adv index at end of book
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Western Steel Car & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.
WINE RAILWAY APPLIANCE CO. (THE), Toledo, O.

7117—Ladders (Fruit Pickers')

Babcock W. W. Co., Bath, N. Y.
Boss Ladder Co., ("Boss"), 699 Ward, San Leandro, Cal.
Davenport Ladder Co., Davenport, Ia.
Goshen Churn & Ladder Co, Goshen, Ind.
Hays Geo. W., 228 5th, Milwaukee, Wis.
Inland Mfg. Co. ("Inland"), Fresno, Cal.
Kramer-Bissell Co. Inc., 6259 Duwamish av, Seattle, Wash.
Los Angeles Ladder Co., 1600 Central av, Los Angeles, Cal.
Mitchell J. W., Medford, Ore.
Northwest Fence & Wire Works, ("Northwest"), E 11th & Flanders, Portland, Ore.
Patterson J. B. Co., ("Popular" "Security"), 1212 19th, Oakland, Cal.
San Francisco Ladder Co., 1224 Folsom, San Francisco, Cal.
Success Mfg. Co. ("Success"), 1027 E Marietta av, Spokane, Wash.
Superior Ladder Co., Goshen, Ind.
Udell Works, Indianapolis, Ind.
Union Blind & Ladder Co., Inc. ("Sprusteel" Orchard, Tripod, Leaning & Four Legged Types), 3535 Peralta, Oakland, Cal.
See adv index at end of book
Waggoner Extension Ladder Co., 106 S Aurora, Stockton, Cal.
Western Ladder & Woodworks, 143 Augusta, Los Angeles, Cal.

7117a— Ladders (Manhole)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

7118—Ladders (Rolling & Trolley)

Allith-Prouty Co. ("Reliable"), Danville, Ill.
Bicycle Step Ladder Co. ("Model Bicycle Six" Auto Ladders), 6 W. Randolph, Chicago, Ill.
Calander Jno. Mfg. Co., 629 Jackson, St. Paul, Minn.
Coburn Trolley Track Mfg. Co., ("Coburn"), P. O. Box 127, Holyoke, Mass.
Gillis & Geoghegan, 532H W Broadway, New York
Hunt, Helm, Ferris & Co. (Cannon Ball), Harvard, Ill.
Los Angeles Ladder Co., 1600 Central av, Los Angeles, Cal.
McCABE HANGER MFG. CO., 426-8 W 25th, New York
Myers F. E. & Bro. ("Myers" Cushion Tire), 950 Orange, Ashland, O.
See adv index at end of book
Newhall Henry B., 89 West, New York
Putman & Co. ("Putnam"), 32 Howard, New York
Richards-Wilcox Mfg. Co. (Ceiling & Shelf Rolling), Aurora, Ill.
See adv index at end of book
UNION BLIND & LADDER CO., INC. ("Star" Rolling Store Ladder), Oakland, Cal.
See adv index at end of book

7119— Ladders (Rope)

See also Fire Escapes, Rope

Daniels C. R. Inc., 115 South, New York

7120— Ladders (Steel)

American Bridge Co. (Mine), 30 Church, New York
Art Metal Construction Co. (& Wood) Jamestown, N. Y.
Barnum E. T., Wire & Iron Works, 864 Woodward, Detroit, Mich.
Gillis & Geoghegan, 532H W Broadway, New York
Los Angeles Cushion Drop Ladder Co., 111 Mesnanger, Los Angeles, Cal.
Meyers Fred J. Mfg. Co., Hamilton, O.
Mitchell-Tappen Co., 15 John, New York
Myers F. E. & Bro., 950 Orange, Ashland Ohio
See adv index at end of book
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg., Pittsburgh, Pa.
See adv index at end of book
Polk Genung Polk Co., Dept. H, Fort Branch, Ind.
Republic Structural Iron Wks. Co., 1350 E 53d, Cleveland, O.
Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book

7121— Ladders (Step)

Acme Mfg. Co., 1806 East, Pittsburgh, Pa.
Albion Wood & Metal Products Co., Inc. ("Giant Jr." Two Step Folding), Albion, N. Y.
Babcock W. W. Co. ("New York," "Steuben," Bath, N. Y.
Bacon & Co., Gasport, N. Y.
Bent Rung Ladder & Mfg. Co. ("Columbia," "Hastings," "Wetting," "X X"), Indiana, Pa.
Berg John Mfg. Co., 5001 S Wells, Chicago, Ill.
Bicycle Step Ladder Co., 6 W Randolph, Chicago, Ill.
Bishop Ladder Co., Hartford, Conn.
Border City Industrial Co., Border City, N. Y.
Boss Ladder Co., ("Boss" Also Stools), 699 Ward, San Leandro, Cal.
Brown Safety Ladder Mfg. Co. ("Brown"), 439 S Clark, Chicago, Ill.
Chesebro Whitman Co., 1167 First av, New York
Clark J. R. Co., 2nd av N & Aldrich, Minneapolis, Minn.
Crain Pump & Lbr. Co., 623 Arch, Philadelphia, Pa.
Cresmer Mfg. Co., Inc. ("Stevenson"), 170 E 8th, Riverside, Cal.
Davenport Ladder Co., Davenport, Ia.
Fellows & Co., 47 High, Boston, Mass.
Flint A. W. & Co., 407 Winthrop, New Haven, Conn.
Frizell Ladder Co. ("Fairy," "Giant," "Climax"), 135 Granite av, Boston, Mass.
Goshen Churn & Ladder Co. ("Goshen Hill," "Security"), Goshen, Ind.
Goshen Mfg. Co. ("Climax," "Faultless"), Goshen, Ind.
Horst Bros. ("Hercules," "Trojan," "Electrian," "Decorator," "Omega," "Stairway"), 139 N 6th, Phila., Pa.
Inland Mfg. Co. ("Inland"), Fresno, Cal.
Kramer-Bissell Co. Inc., 6259H Duwamish av, Seattle, Wash.
Krewson T. C., 801 Master, Phila., Pa.
Los Angeles Ladder Co., 1600 Central av, Los Angeles, Cal.
Lumber Products Co., 1454 MacAdam. Portland, Ore.
Mallory C. M., Albion, N. Y.
Michigan Ladder Co., Ypsilanti, Mich.
Mitchell J. W. Medford, Ore.
Moulton C. W. H. Co., Somerville, Mass.
N. Y. Ladder Co., 384 Hudson, New York.
Northwest Fence & Wire Works, ("Northwest"), E 11th & Flanders, Portland, Ore.
Orleans Steel Products Co., 1021 Bienville, New Orleans, La.
Paris Mfg. Co., South Paris, Me.
Patterson J. B. Co., ("Popular" "Security"), 1212 19th, Oakland, Cal.
Pease F. B. Co., Rochester, N. Y.
Pratt Mfg. Co. ("Red Star," "Monarch"), Coldwater, Mich.
Reed, Evan L. Mfg. Co., (Combination Locking Stools), Tipton, Danville, Ill.
Reilley Bros. Ladder Co. ("Hub," "Manhattan"), 324 W 41st, New York
Rich Pump Co. ("Cincinnati Truso" "Queen City," "Acme," "Star," "Victor"), South & Depot, Cincinnati, O.
Saginaw Ladder Co., Ltd., Saginaw, Mich.
Smith S. A. Mfg. Co. ("Star," "National," "Eetna"), Brattleboro, Vt.
Southern California Ladder Co., 142 E 58th, Los Angeles, Cal.
Specialty Mfg. Co., Titusville, Pa.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Stokes Wm. A. & Co., 50 Howard, New York
Success Mfg. Co. ("Success"), 1027 E Marietta av, Spokane, Wash.
Superior Ladder Co. ("Monarch," "Attoe"), Goshen, Ind.
Teepe J. Chas., Inc., Mott & Vernon avs, Long Island, N. Y.
Tilley Jno. S. Ladders Co., Watervliet, N. Y.
Udell Works, Indianapolis, Ind.
Union Blind & Ladder Co., Inc. ("Sprusteel"), 3535 Peralta, Oakland, Cal.
See adv index at end of book
Waggoner Extension Ladder Co., 106 S Aurora, Stockton, Cal.
Western Ladder & Woodworks, 143 Augusta, Los Angeles, Cal.
Whitehurst R. W. Mfg. Corp. ("Handy," "Superb"), Norfolk, Va.
Wilkinson Mfg. Co. (Collapsible), Binghamton, N. Y.

Ladders (Store Sliding)

See Ladders, Rolling & Trolley

7122— Ladders (Straight)

Babcock W. W. Co., Bath, N. Y.
Bent Rung Ladder & Mfg. Co. ("New Model"), Indiana, Pa.
Berger Bros. Co., ("Perfection"), 229 Arch, Phila., Pa.
Boss Ladder Co., ("Boss"), 699 Ward, San Leandro, Cal.
Cresmer Mfg. Co., Inc. ("Stevenson"), 170 E 8th, Riverside, Cal.
Davenport Ladder Co., Davenport, Ia.
Flint A. W. & Co., 407 Winthrop, New Haven, Conn.
Goshen Churn & Ladder Co., Goshen, Ind.
Helder Mfg. Co., Carroll, Ia.
Horst Bros., 139 N 6th, Phila., Pa.
Inland Mfg. Co. ("Inland") Fresno, Cal.
Krewson T. C., 801 Master, Phila., Pa.
Michigan Ladder Co., Ypsilanti, Mich.
Moulton C. W. H. Co., Somerville, Mass.
Newton & Haggerty Ladder Co., Ann Arbor, Mich.
Patterson J. B. Co., ("Popular" "Security"), 1212 19th, Oakland, Cal.
See adv index at end of book
Pease F. B. Co., Rochester, N. Y
Reilley Bros. Ladder Co., 324 W 41st, New York
Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book
Saginaw Ladder Co., Ltd., Saginaw, Mich.
Superior Ladder Co., Goshen, Ind.
Tilley Jno. S. Ladders Co., Watervliet, N. Y.
Udell Works, Indianapolis, Ind.
Union Blind & Ladder Co., Inc. ("Sprusteel"), 3535 Peralta, Oakland, Cal.
See adv index at end of book
Western Ladder & Woodworks, 143 Augusta, Los Angeles, Cal.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.

7123—Ladders (Straight, Sectional)

Babcock W. W. Co., Bath, N. Y.
Bent Rung Ladder & Mfg. Co., Indiana, Pa.
Combination Ladder Co., 381 Fountain, Providence, R. I.
Flint A. W. & Co., 407 Winthrop, New Haven, Conn.
Goshen Churn & Ladder Co., Goshen, Ind.
Krewson T. C., 801 Master, Phila., Pa.
Michigan Ladder Co., Ypsilanti, Mich.
Moulton C. W. H. Co., Somerville, Mass.
Superior Ladder Co., Goshen, Ind.
Tilley Jno. S. Ladders Co., Watervliet, N. Y.
Udell Works, Indianapolis, Ind.
Union Blind & Ladder Co., Inc. ("Hills"), 3535 Peralta, Oakland, Cal.
See adv index at end of book

7124—Ladders (Swimming Pool)

Badger Wire & Iron Works, 25th av & Cleveland, Milwaukee, Wis.
Cincinnati Mfg. Co., Cincinnati, O.
COLUMBUS BRASS CO., 620 Dublin av, Columbus, Ohio.
See adv index at end of book
Imperial Brass Mfg. Co., 1200 W Harrison, Chicago, Ill.
McKenna Brass & Mfg. Co., Inc., 1st av & Ross, Pittsburgh, Pa.
Newman Mfg. Co., 420 Elm, Cincinnati, O.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Wisconsin Iron & Wire Wks, Milwaukee. Wis.

7125—Ladders & Trucks (Firemen's)

Anderson Coupling & Fire Supply Co., Kansas City, Kan.
Davenport Ladder Co. (Fire Ladder Only, Single, Extension & Roof), Davenport, Ia.
Foamite-Childs Corporation, 101 Turner, Utica, N. Y.
Moulton C. W. H. Co., Somerville, Mass.
Portland Extension Ladder Co. (Safety Trussed), 130 Orange, Newark, N. J.
Prospect Mfg. Co. (Motor Trucks), Prospect, O.
Safety Fire Extinguisher Co., 295 7th av, New York

7126—Ladle Sleeves & Nozzles

Dixon Joseph Crucible Co., Jersey City, N. J.
Garfield Fire Clay Co., Robinson, Pa.
Savage Fire Brick Co., Meyerdale, Pa.
Swaak's H. Sons (Fire Brick), Johnstown, Pa.

7127-8— Ladles (Babbitt)

American Mfg. Co., Chestnut & Water, Chattanooga, Tenn.
Hollands Mfg. Co., 352 E 18th, Erie, Pa.
Indiana Foundry Co., Dept. H, Indiana, Pa.
Link Mfg. Co., 17th & Cleveland, Kansas City, Mo.
New Haven Boiler Works, Inc., 37 Mill, New Haven, Conn.
Norris Bros., Robinson, Ill.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Stevens Frederic B., Inc., 3rd & Larned, Detroit, Mich.
See adv index at end of book
Warren Tool & Forge Co., 145 Griswold, Warren, O. *See adv index at end of book*
Woonsocket Mach. & Press Co., Woonsocket, R. I.

Ladles (Bessemer Plant)

See Ladles, Open Hearth & Bessemer Plant

Ladles (Cinder Car)

See Ladles, Foundry; also Cars, Hot Metal & Slag

7129— Ladles (Family, Etc.)

Central Stamping Co., 206 B'way, New York
National Enameling & Stamping Co., 411 5th av, New York
Strong Mfg. Co., Sebring, O.
Wagner Mfg. Co. (Cast Aluminum), Dept H, Sidney, O.

7130— Ladles (Foundry)

Campbell-Hausfeld Co., Harrison, O.
Clark W. J. Co., Salem, O.
Columbiana Boiler Co. (Riveted), Columbiana, O.
DOVER BOILER WORKS, Sales Office; 40 Church, New York; Works: Dover, N. J.
See adv index at end of book
Farrar & Trefts, Inc., Buffalo, N. Y.
General Welding & Mfg. Co. ("P. & O."), 347 Florida, Milwaukee, Wis.
Heggie James G. & Sons, Joliet, Ill.
Heltzel Steel Form & Iron Co., (The), Warren, O. *See adv index at end of book*
Hibben & Co., 9376 Ewing av, Chicago, Ill.
Industrial Equipment Co., Minster, O.
Lindsay W. W. & Co., Inc., Harrison Bldg., Philadelphia, Pa.
Littleford Bros., 444 E Pearl, Cincinnati, O.
See adv index at end of book
McCormick J. S. Co., 25th & A. V. R. R., Pittsburgh, Pa.
Manitowoc Engineering Works, Manitowoc, Wis.
Marshall Foundry Co. (Slag), 28th & RR., Pittsburgh, Pa.
Meehan Boiler & Construction Co., Lowellville, O.
Monarch Engineering & Mfg. Co., American bldg, Baltimore, Md.
Muncie Boiler & Sheet Iron Wks., Muncie, Ind.
New Haven Boiler Works, 37 Mill, New Haven, Conn.
Northern Engineering Works, 9 Chene, Detroit, Mich.
Osborn Mfg. Co., 5401 E. Hamilton, Cleveland, O.
Paxson J. W. Co., Dept. H, Nicetown la & D, Phila., Pa.
Riter-Conley Co., Oliver Bldg., Pittsburgh, Pa.
Stewart Boiler Works, Albany, Worcester, Mass.
Tippett & Wood, Phillipsburg, N. J.
Treadwell Construction Co., Midland, Pa.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
Tropenas Converter Co., 2243 Nostrand av, Brooklyn, N. Y.
Union Boiler & Mfg. Co., Lebanon, Pa.
Warren City Tank & Boiler Co. (Riveted), Warren, O.
See adv index at end of book
Whiting Corp. (All Types), Dept H, Harvey, Ill.
Whiting Foundry Equipment Co., 107th & Halstead, Chicago, Ill.

Ladles (Galvanizing)

See Kettles, Galvanizing

Ladles (Hot Metal)

See Ladles, Open Hearth & Bessemer Plant

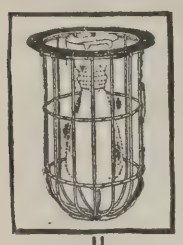
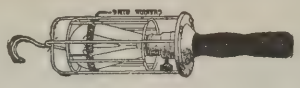
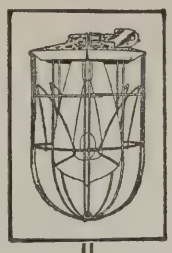
Ladles (Matte)

See Ladles, Mining

7131—Ladles (Melting & Plumbers')

American Mfg. Co., Chestnut & Water, Chattanooga, Tenn.
Ashton Mfg. Co. ("Red Hot" Wrought Steel), 184 Emmet, Newark, N. J.
Bernz Co., Inc., Otto, 17 Ashland, Newark, N. J.
See adv index at end of book
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Clayton & Lambert Mfg. Co. (Plumbers' Steel), 1370-80 Beaubien, Detroit, Mich.
Dicke Tool Co., Downers' Grove, Ill.
Dixon Wm. (Jewelers Melting), 119 Fulton, New York
Hollands Mfg. Co., 352 E. 18th, Erie, Pa.
Johnson Wm. (Hedenberg Works) (Plumbers'), Newark, N. J.
Lalance & Grosjean Mfg. Co. (Wrought Steel), 299 B'way, New York
Littleford Bros. (Small for Plumbers), 444 E Pearl, Cincinnati, O.
See adv index at end of book
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Mark Mfg. Co., Evanston, Ill.
Mullins Body Corp. (Lead), Dept H, Salem, O.
Osborne C. S. & Co., Box 188, Newark, N. J. *See adv index at end of book*
Peck, Stow & Wilcox Co., Southington, Conn.
Racine Malleable & Wrought Iron Co., Racine, Wis.
Sargent & Co. (Melting), New Haven, Conn.
Sayre L. A. Co., 332 Mulberry, Newark, N. J
Stortz John & Son, 210 Vine, Phila., Pa.
Stowell Co. The, So Milwaukee, Wis.

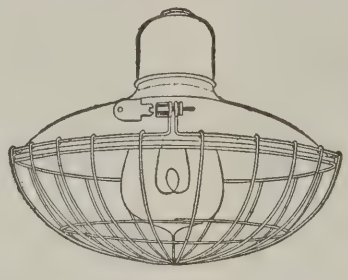
(Continued on following page)

Lamp Guards

Largest Line in the World

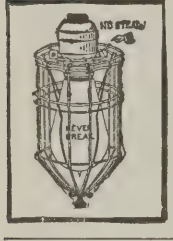
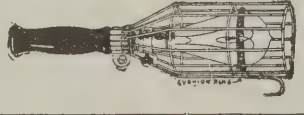
FOR EVERY STYLE AND SIZE ELECTRIC LAMP



Frank W. Morse Co.

289 Congress Street

Boston, Mass.


Ladles (Melting & Plumbers')—Cont.

United States Hdwe. & Mfg. Co., 16H Warren av, Pawtucket, R. I.
Warren Tool & Forge Co., 145 Griswold, Warren, O. *See adv index at end of book*
Wrightsville Hardware Co., Wrightsville, Pa.

7132— Ladles (Mining)

Allis-Chalmers Mfg. Co., (Slag), Milwaukee, Wis. *See adv index at end of book*
KENNEDY VAN SAUN MFG. & ENG. CORP., (Cast Steel Matte Ladles), 50 Church, New York
See adv index at end of book
Union Iron Works Co. (Matte Ladles), 20th & Michigan, San Francisco, Cal.
Worthington Pump & Mfg. Corp. (Heavy Steel Plate) 115 Broadway, New York

7133—Ladles (Open Hearth & Bessemer Plant)

Clark W. J. Co., Salem, O.
Columbiana Boiler Co. (Riveted), Columbiana, O.
Dover Boiler Works, Sales Office: 40 Church, New York; Works: Dover, N. J. *See adv index at end of book*
Farrar & Trefts, Inc., Buffalo, N. Y.
Gerdes & Co., 42 Church, New York
See adv index at end of book
Heggie James G. & Sons, Joliet, Ill.
Heltzel Steel Form & Iron Co., (The), Warren, Ohio.
See adv index at end of book
Hibben & Co., 2376 Ewing av, Chicago, Ill.
Lindsay, W. W. & Co., Inc., Harrison Bldg., Philadelphia, Pa.
Manitowoc Engineering Works, Manitowoc, Wis.
Munroe R. & Sons Mfg. Corp., 23rd & Smallman, Pittsburgh, Pa.
New Haven Boiler Works, 37 Mill, New Haven, Conn.
Penna. Engineering Works, New Castle, Pa.
Petroleum Iron Works Co. of Ohio, Sharon, Pa.
See adv index at end of book
Phoenix Iron Works Co., Meadville, Pa.
Pollock Wm. B. Co., Youngstown, O.
Riter-Conley Co., Oliver Bldg., Pittsburgh, Pa.
Treadwell Constr. Co., (Steel Plant), Midland, Pa.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
Warren City Tank & Boiler Co. (Riveted), Warren, O.
See adv index at end of book

7133a— *Ladles (Pickle)

ESTES E. B. & SONS, 364 5th av, New York
See adv index at end of book

7134—Ladles (Pipe Layers')

Sperry D. R. & Co., Batavia, Ill.

7135— Ladles (Wax)

Indiana Hollow Ware Co. (Cast Iron), Jefferson, Ind.

7136— Ladles (Wood)

Chapman-Sargent Co. (Butter, etc.), Piqua, O.

7137— Lagging (Hardwood)

Dodge Mfg. Corp., Mishawaka, Ind.
Hill Clutch Machine & Foundry Co., W 65th, Cleveland, O.
Serfas Lumber Co., Drake bldg., Easton, Pa.

7138— *Laminated Products

BAKELITE CORP. (Sheets, Rods & Tubes, high dielectric, water-proof, impervious to heat and most chemicals.) 247 Park av, New York
See adv index at end of book

7139— Lamp Black Mfrs.

Bihn & Wolff Co. ("Keystone," "Old Abe," "Reliable Standard" Coach Painters, "Charlton Velvet," "Curriers" Locomotive Sign Writers), Ash & Almond, Phila., Pa.
CABOT SAMUEL, INC. ("Trimount"), 141 Mills, Boston, Mass.
See adv index at end of book
Carbon Products Co., 2010 E Slauson av, Los Angeles, Cal.
Doggett Stanley, 11 Cliff, New York
Donald Wm. C. & Co., Andover, Mass.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg., Cleveland, O.
See adv index at end of book
Hyde Carbon Black Co., Ridgeway, Pa.
MARTIN L. CO. ("Germantown," "Eagle," "Pyramid," "Old Standard"; also "Globe" & "Torch" Bulk Blacks for Rubber, Paper, Cement, Paints, Varnishes,etc., 45 East 42nd, New York
Osborn C. J. Co., 132 Nassau, New York
Seaver & Co., 3 Tre Row, Boston, Mass.
Smith J. Lee & Co. (Jobbers), 19 Jacob, New York
Wilckes, Martin, Wilckes Co. ("Bear Brand"), 135 William, New York

7140— Lamp Guards

Acme Fancy Wire Works (Wire), Dept H, Canfield & Morgan, Detroit, Mich.
Benjamin Electric Mfg. Co., 120 S Sangamon, Chicago, Ill.
Culver Stearns Mfg. Co., 53 Grafton, Worcester, Mass.
DARBY EDW. J. & SON, (Wire), 319 Vine, Phila., Pa.
See adv index at end of book
Doubleday-Hill Electric Co. ("Holdfast"), 719 Liberty av, Pittsburgh, Pa.
Eclipse Elec. Mfg. Co., Raymond & University, St. Paul, Minn.
Electric Service Supplies Co. ("Keystone"), 17 & Cambria, Phila., Pa.
Estey Wire Works Co., 34 Cliff, New York
Flexible Steel Lacing Co., 4706 Lexington av, Chicago, Ill.
Frink I. P., Inc., 239 10th av, New York
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Hamblin & Russell Mfg. Co. ("Never Break"), 28 Water, Worcester, Mass.
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Howard & Morse (Wire), 45 Fulton, New York
Hubbell Harvey, Bridgeport, Conn.
Leveridge Chas. W. ("L. & L." Lock), 246 Fulton, New York
Lovell F. H. & Co. (Wire), Arlington, N. J.
McGill Mfg. Co., ("Loxon," "Bull Dog," "O.H.A. Protectors," "Crescent," "National," "Standard," "Monitor," "Security"), 77 Oak, Valparaiso, Ind.
Meyers Fred J. Mfg. Co., Hamilton, O.
MORSE FRANK W. ("Never-Break," "Morse," "Webster," "Peerless" Locked for Incandescent Lamps), 289 Congress, Boston, Mass.
See adv index at end of book
Novelty Electric Co., 50 N 4th, Phila., Pa.
Peerless Wire Goods Co., Dept. H, Lafayette, Ind.
Plocher Andrew Sons Co., Dayton, O.
Porter Co. ("T. P. C."), 241 Water, New York
Racine Iron & Wire Works (Electric Lamp Bulbs), Racine, Wis.
Robb & Blackmer, 129 Pearl, Boston, Mass.
Russell & Stoll Co., 17 Vandewater, New York
Scott Bros. Electric Co. (Wire), Detroit, Mich.
Seidler-Miner Co. ("S-M" Watertight Bunch Light), 134 E Larned, Detroit, Mich.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Standard Wire Co., Newcastle, Pa.
Stehlin-Miller Henes Co., 103 Park av, New York
V. V. Fittings Co., 711 Cherry, Phila., Pa.
Wickwire Spencer Steel Corp., ("Natwire"), 41 East 42nd, New York
See adv index at end of book
Washburn Co. (Wire Goods Div.), 28 Union, Worcester, Mass.

7141—*Lamp Guards (Arc, Globe)

MORSE, FRANK W. ("Morse"), 289 Con-Congress, Boston, Mass.
See adv index at end of book

7141a—*Lamp Guards (Miniature)

MORSE, FRANK W. ("Morse"), 289 Congress, Boston, Mass.
See adv index at end of book

Lamp Sockets (Incandescent)

See Sockets, Incandescent Lamp

7142—Lamps (Acetylene Gas)

Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Brilliant Search Light Mfg. Co. (For Hunting), 529 S. Dearborn, Chicago, Ill.
Brown John W. Mfg. Co., Columbus, O.
Davis Acetylene Co. (Arc), Elkhart, Ind.
Klemm & Co. ("Klemm" Arc), 132 N 5th, Phila., Pa.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Milburn Alexander Co., 1420 W Baltimore, Baltimore, Md.

7143— Lamps (Alcohol)

Best Light Co., 477 2d, N E, Canton, O.
Coleman Lamp Co. ("Coleman"), Wichita, Kan.
Dixon Wm. (Jewelers & Dentists), 119 Fulton, New York
N. Y. Stamping Co. ("Empress" Vapor), N 11th & Berry, Brooklyn, N. Y.
Quincy Foundry & Novelty Co., Quincy, Ill.
Theroz Co. ("Theroz"), 233 Broadway, New York

7144— Lamps (Arc)

Buckeye Electric Works, 1806 E 45th, Cleveland, O.
GENERAL ELECTRIC CO. (High Intensity for Motion Picture Projection), Schenectady, N. Y.
See adv index at end of book
Philadelphia Electrical & Mfg. Co. ("Pemco" Tungsten), 1236 N 31st, Phila., Pa.
Photogenic Machine Co. ("Hi-Power"), Youngstown, O.

ROBERTSON LEO F., INC., 540 W 22nd, New York
Sorensen P., 18 Dnhm. pl, B'klyn, N. Y.
Universal Electric Stage Lighting Co., Inc., (Kliegl Bros.), ("Kliegl Light for Studios"), 321 W 50th, New York
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book
Wohl M. J. & Co., Payntar av, B'kyn, N. Y.

Lamps (Arc, Acetylene)

See Lamps, Acetylene Gas, with the Word Arc following their names

7145-6— Lamps (Arc, Gas)

See also Lamps, Incandescent Gas

Block Gas Mantle Co., Youngstown, O.
Eclipse Light Co., 583 B'way, New York
Economy Lamp Co., 1701-15 Washington, Kansas City, Mo.
General Gas Light Co. ("Humphrey"), Kalamazoo, Mich.
Klemm & Co., 132 N 5th, Phila., Pa.
National Stamping & Electric Works, 424 S Clinton, Chicago, Ill.
Risinger Bros. Co. ("Risinger" Street Inverted, etc, "Colonel" Inside, Porch, etc), E. Liverpool, O.
Sun Vapor & Gas Street Light Co., 1002 Market av, S, Canton, O.

7147— Lamps (Arc, Gasoline)

See also Lamps, Gasoline; also Lamps, Incandescent Gasoline

Best Light Co., 477 Second, N E, Canton, Ohio
Coleman Lamp Co. ("Coleman" Boulevard, etc), 120 S. Los Angeles, Los Angeles, Cal.
Coleman Lamp Co. ("Coleman"), Wichita, Kan.
Economy Lamp Co., 1701-15 Washington, Kansas City, Mo.
Knight Light & Soda Fountain Co., 2729 N Kildare av, Chicago, Ill.
National Stamping & Electric Works, 424 S Clinton, Chicago, Ill.
Tures Mfg. Co. ("Turz-Lite" Stationary & Portable), 394 6th, Milwaukee, Wis.

7148-9—Lamps (Arc, Luminous)

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
General Illuminating Co. ("Grant"), 47 Green, New York
Hagstedt Chas. ("Flamor"), 210 E 54th, New York
Hamburger Felix ("Jupiter," "Carbone," "Bivolt," Imp.), 44 E 23rd, New York
Helio Mfg. Co., 2530 N Broad, Phila, Pa.
Kandem Electric Co. (Imp.), 152 Chambers, New York
Photogenie Machine Co., Youngstown, O.
Scott Electrical Co. ("Decuple"), 357 Ogden, Newark, N. J.
Wagenhorst J. H. & Co. ("Wagenhorst-Hi-Power), Youngstown, Ohio
Warner Electric Co., Muncie, Ind.

7150-1—Lamps (Arc, Photo-Engraving)

Bogue Chas. J. Electric Co., 132 King, New York
Eastman Kodak Co. ("Aristo"), Rochester, N. Y.
Lazorides Mfg. Co. (Imperial Photographic), 76 Warren, New York
Nela Spec. Division Natl Lamp Wks. of G. E. Co., Nela Park, Cleveland, O.
Photogenie Machine Co. ("Hi-Power"), Youngstown, O.
ROBERTSON LEO F., INC., 540 W 22nd, New York
Simplex Photo Prodts. Co., Morris Park, Richmond Hill, N. Y.
Thompson Albert T. & Co., 15 Tremont pl, Boston, Mass.
United Electric Apparatus Co., 1529 Columbus av, Boston, Mass.
White H. C. Co., North Bennington, Vt.
Wohl M. J. & Co., Payntar av, Brooklyn, N. Y.

7152—Lamps (Arc, Stage & Stereopticon)

Boesch Lamp ("Right-O-Way" Safety), 962H Mission, San Francisco, Cal.
Chicago Stage Ltg. Co., 112 N La Salle, Chicago, Ill.
Edison Lamp Works ("Edison Maza"), Sussex, Harrison, N. J.
McIntosh Stereopticon Co., 30 E Randolph, Chicago, Ill.
Merit Machine Mfg. Co., 465 Greenwich, New York
Meyers Fred J. Mfg. Co., Hamilton, O.
Newton C., 331 W 18th, New York
ROBERTSON LEO F., INC., 540 W 22nd, New York
Universal Electric Stage Lighting Co. Inc., (Kliegl Bros.), ("Kliegl"), 321 W 50th, New York

7152a—Lamps (Artistic Bronze & Wrought Iron)

Anchor Post & Iron Works, 50 Church, new York. *See adv index at end of book*
Art Metal Co., 1640 N Spring, Los Angeles, Cal.
Cincinnati Mfg. Co., Cincinnati, O.
Gorham Co. Arch'l Bronze, 5th av & 36th, New York. Works: Providence, R. I.
Heath J. S. & Co., Franklin & Ontario, Chicago, Ill.
Hollywood Forge Co., 1225 N Highland av, Los Angeles, Cal.
Meyers Fred J. Mfg. Co., Hamilton, O.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
TYLER W. S. CO. (Brackets, etc), Cleveland, O., & 200 5th av, New York
See adv index at end of book

7153—Lamps (Automobile, Electric)

See also Headlights, Automobile

A-A Elec. Mfg. Co., 303 Center, Bridgeport, Conn.
Adams & Westlake Co., 319 W Ontario, Chicago, Ill.
Aid Mfg. Co. Inc., 2625 Stewart av, Chicago, Ill.
Anchor Electric Co., 557 W Jackson blvd, Chicago, Ill.
Arjo Mfg. Co. ("Arjo" parking), 114 W Mt. Royal av, Baltimore, Md.
Art Metal Mfg. Co., E 61st & Curtis av, Cleveland, O.
Bosch Magneto Service Co., 250 W 54th, New York
Brown John W. Mfg. Co., Columbus, O.
Campbell A. S. Co. ("Cello" Spot, Search Side & Tail), 161H Prescott, Boston, Mass.
Carey McFall Co., 2154-8 E. Dauphin, Phila., Pa.
Chicago Elec. Mfg. Co. (Board & Tonneau), 2317H S. Halsted, Chicago, Ill.
Cincinnati Victor Co., 710-720 Reading rd, Cincinnati, Ohio
Columbus Auto Brass Co., 769 N 4th, Columbus, O.
Cowles C. & Co., New Haven, Conn.
Culvert-Stearns Mfg. Co., Detroit, Mich.
Darsie Mfg. Co. ("WondeRay" & "Williams"), 121 W 35th, Los Angeles, Cal.
Detroit Starter Co., 32 E Larned, Detroit, Mich.
Diamond Electric Specialties Corp., ("Diamond"), 101 S Orange, Newark, N. J.
Edmunds & Jones Corp., 436 Lawton, Detroit, Mich.
English & Mersick Co., Winchester av, New Haven, Conn.
Federal Miniature Lamp Div., Nat'l Lamp Works of G. E. Co., 920 S Michigan av, Chicago, Ill.
Ferro Mfg. Co. ("Ferro" Steering Wheel), 2011 Michigan av, Chicago, Ill.
Fowler Lamp & Mfg. Co. ("Fowler," also for Motor Boats), 59 E 24th, Chicago, Ill.
Gray & Davis, Boston, Mass.
Guide Motor Lamp Mfg. Co. (For Fords), 2130 W 110th, Cleveland, Ohio
Hall G. M. Lamp Co., 363 E Hancock, Detroit, Mich.
Handlan-Buck Mfg. Co. (Side & Tail), 210 14th nr 3d, St. Louis, Mo.
Howe Lamp & Mfg. Co., 120 N Green, Chicago, Ill.
Indiana Lamp Co., Connersville, Ind.
Kay Bee Mfg. Co., 3508 So Park av, Los Angeles, Cal.
Kilborn Sauer Co., Fairfield, Conn.
Liberty Works Mfrs. (For Automobiles), Egg Harbor City, N. J.
Manhattan Electrical Supply Co., 17 Park pl, New York
METAL SPECIALTIES MFG. CO. ("Presto"), Dept. H, 338 N Kedzie av, Chicago, Ill.
Milwaukee Bronze Casting Co., 119 Clinton, Milwaukee, Wis.
Morse Frank W., (Dome, Dash & Step), 289 Congress, Boston, Mass.
See adv index at end of book
Moswell Mfg. Co. ("Moswell" dash), 68 Grand, New York
National Carbon Co. Inc., ("Eveready" Mazda), Thompson av & Orton, Long Island City, N. Y.
Novelty Brass Works, 3775 Moneta av, Los Angeles, Cal.
O'Brien Jos. F. Mfg. Co., 47 W 63rd, New York
Raydex Mfg. Co., Brockenridge, Pa.
Rose Mfg. Co. ("Neverout"), 37 Filbert, **Philadelphia, Pa.**
Rosen A. W. & Co., 610 B'way, New York
S. & M. Lamp Co., Los Angeles, Cal.
Silvey Elec. Co., Dayton, O.
Smith F. A. Mfg. Co., Rochester, N. Y.
Superior Lamp Mfg. Co., 136 W 52d, New York
Tiffany Mfg. Co. ("Tiffany" Parking), 50H Spring, Newark, N. J.
Tulite Auto Bulb Co., 1767 B'way, New York
Vesta Battery Corp. ("Vesta"), 2100 Indiana av, Chicago, Ill.
White Mfg. Co., 155 Cannon, Bridgeport, Conn.
Wood Mfg. Co., Fairfield, Conn.

7154—Lamps (Automobile, Gas & Oil)

See also Lamps, Carriage
See also Headlights, Automobile

Adams & Westlake Co. (Side & Tail Oil), 319 W Ontario, Chicago, Ill.
American Auto Lamp Co. ("Yankee" Side Tail & Parking Oil), 507 W 50th, New York
American Lamp Works, 256 W 55th, New York
Auto Lamp & Radiator Co., 1614 Prospect, Cleveland, O.
Brown Jno. W. Mfg. Co., Columbus, O.
Buffalo Lamp Co., 206 Elm, Buffalo, N. Y.
Cowles C. & Co. (Oil), New Haven, Conn.
Cincinnati Victor Co., 710-720 Reading rd, Cincinnati, Ohio
De Voursney Bros., 389 Broome, New York
Edmunds & Jones Corp., 436 Lawton, Detroit, Mich.
Fowler Lamp & Mfg. Co. ("Fowler"), 59 E 24th, Chicago, Ill.
Gidon Joseph E., 255 W 47th, New York
Gray & Davis ("Bullet"), Boston, Mass.
Guide Motor Lamp Co., 2130 W 110th, Cleveland, Ohio
Hall C. M. Lamp Co., 363 E Hancock, Detroit, Mich.
Hawthorne Co. ("Old Sol"), Bridgeport, Conn.
Indiana Lamp Co., Connersville, Ind.
Post & Lester Co. ("Royal de Luxe"), 112 Allyn, Hartford, Conn.
Rose Mfg. Co. ("Neverout"), 37 Filbert, Phila., Pa.
Sibley Pitman Electrical Corp. ("Climax"), 190 6th av, New York
Superior Lamp Mfg. Co., 136 W 52d, New York
White Mfg. Co. (Oil), 155 Cannon, Bridgeport, Conn.

7155—Lamps (Automobile, Trouble Finding)

American Enamel Co. ("Britelite"), Providence, R. I.
American Ever Ready Works, Thompson av, L. I. City, New York
Campbell A. S. Co., 161H Prescott, Boston, Mass.
Chicago Elec. Mfg Co., 2317 S Halstead, Chicago, Ill.
Columbus Auto Brass Co. (Dash), 769 N 4th, Columbus, O.
Culver Stearns Mfg. Co., 53 Grafton, Worcester, Mass.
Cuno Engng. Corp. (Combination), Meriden, Conn.
Curfman F. L. Mfg. Co. Marysville, Mo.
Fowler Lamp & Mfg. Co. ("Fowler" Electric), 59 E 24th, Chicago, Ill.
Harvard Elec. Co., 525 W Van Buren, Chicago, Ill.
Harvey W. A., Burr bldg, Scranton, Pa.
Inland Elec. Co. (Dept. J. Garage), 16 N Franklin, Chicago, Ill.
Kay Bee Mfg. Co., 3508 So Park av, Los Angeles, Cal.
Magnavox Co., ("Magnalux"), 2725 E 14th, Oakland, Cal.
Manhattan Electrical Supply Co., 17 Park pl, New York
Metal Specialties Mfg. Co., ("Presto"), Dept. H 338 N Kedzie av, Chicago, Ill.
Moswell Mfg. Co. ("Moswell"), 68 Grand, New York
Premier El. Co., 1123 S Wabash av, Chicago, Ill.
Providence Electric Mfg. Co. ("Nitelite"), 23 Broad, Providence, R. I.
Rosen A. W. & Co., 610 Broadway, New York
Smith F. A. Mfg. Co., Rochester, N. Y
Stanley & Patterson, 23 Murray, New York
Superior Lamp Mfg. Co., 136 W 52d, New York
Varney Elec'l Supply Co., 121 S Meridian, Indianapolis, Ind.

7156— Lamps (Battery)

Bridgeport Brass Co. (Brass), Dept. H, Bridgeport, Conn.
Edison Lamp Works of General Electric "Edison," "Mazda"), Sussex, Harrison, N. J.
Interstate Electric Novelty Co., 60 Tillary, Brooklyn, N. Y.
MORSE FRANK W. ("Morse" Trouble, for Automobiles & Power Boats), 289 Congress, Boston, Mass.
See adv index at end of book
Vesta Battery Corp. ("Vesta" Pocket, etc.), 2100 Indiana av. Chicago, Ill.

7157— Lamps (Bicycle)

Bridgeport Brass Co., Dept. H, E Main, Bridgeport, Conn.
Delta Electric Co., Marion, Ind.
Hall C. M. Lamp Co., Hancock & Revard, Detroit, Mich.
Indiana Lamp Co., Connersville, Ind.
Metal Specialties Mfg. Co., ("Presto"), Dept. H 338 N Kedzie av, Chicago, Ill.
MORSE FRANK W. ("Morse" electric), 289 Congress, Boston, Mass.
See adv index at end of book

(Continued on following page)

Lamps (Bicycle)—Continued

Rose Mfg. Co. ("Neverout"), 37 Filbert, Philadelphia, Pa.
Scovill Mfg. Co., Waterbury, Conn.
See adv index at end of book

7157a—Lamps (Blue Print)

See also Blue Print Lamp & Carbons
COOPER HEWITT ELECTRIC CO., 8th & Grand, Hoboken, N. J.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
PEASE C. F. CO., 320 N Franklin, Chicago, Ill. *See adv index at end of book*
ROBERTSON LEO F., INC., 540 W 22nd, New York

7158—Lamps (Bridge, Pier & Channel)

Coleman Lamp Co. ("Coleman" Bridge & Pier), Wichita, Kan.
Gray Peter & Sons, Inc., 286 Third, E Cambridge, Mass.
Handlan-Buck Mfg. Co., 210-14 N 3d, St. Louis, Mo.
National Marine Lamp Co., Forestville, Conn.
Porter Co., 241 Water, New York
Raydex Mfg. Co., Inc. (Pier), Brackenridge, Pa.
Sandstrom G. S. Furniture Mfg. Co., 1500 E 12th, Oakland, Cal.
Smith of N. Y. Co., 1 Franklin sq., New York

7159— Lamps (Bunker)

Smith of N. Y. Co., 1 Franklin sq., New York

7160— Lamps (Candle)

Adams & Westlake Co., 319 W. Ontario, Chicago, Ill.
American Ring Co., Waterbury, Conn.
Handlan-Buck Mfg. Co., 210 14th nr 3d, St. Louis, Mo.
McFaddin H. G. & Co. ("Globite"), 38 Warren, New York
Porter Co., 241 Water, New York
Smith of N. Y. Co., 1 Franklin sq., New York

7161— Lamps (Car)

Adams & Westlake Co. (All Kinds), 319 W Ontario, Chicago, Ill.
Boesch Lamp Co., 962 Mission, San Francisco, Cal.
Bridgeport Brass Co. (Acetylene), Dept. H, E Main, Bridgeport, Conn.
Dayton Mfg. Co. (For Steam & Electric Cars), Dayton, O.
Handlan-Buck Mfg Co. (All Kinds), 210-14 N 3d, St. Louis, Mo.
Howard Jas. L. & Co., Hartford, Conn.
Safety Car Htg. & Lighting Co. Dixwell & Putnam avs, New Haven, Conn.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Smith of N. Y. Co., 1 Franklin sq., New York
Star Brass Mfg Co., ("Star") 53 Oliver, Boston, Mass.
Star Headlight & Lantern Co. (Oil), Rochester, N. Y.

7162—*Lamps (Carbon-Filament)

Safety Electric Co., 431 S Dearborn, Chicago, Ill.
Westinghouse Lamp Co., 165 B'way, New York

7163— Lamps (Carriage)

See also Lamps, Automobile, Gas & Oil
Brown John W. Mfg. Co., Marion rd, Columbus, Ohio
Carey McFall Co., 2154-8 E Dauphin, Phila., Pa.
Chicago Elec. Mfg. Co. (Board & Tonneau), 2317H S Halsted, Chicago, Ill.
Cowles C. & Co., New Haven, Conn.
De Voursney Bros., 389 Broome, New York
Edmunds & Jones Mfg. Corp., 436 Lawton, Detroit, Mich.
English & Mersick Co., New Haven, Conn.
Fowler Lamp & Mfg. Co. ("Fowler" Electric), 59 E 24th, Chicago, Ill.
Gray & Davis, Boston, Mass.
Indiana Lamp Co., Connersville, Ind.
MORSE FRANK W. ("Morse" electric), 289 Congress, Boston, Mass.
See adv index at end of book
Porter Co., 241 Water, New York
Rose Mfg. Co. ("Neverout"), 37 Filbert, Phila., Pa.
Smith of N. Y. Co., 1 Franklin sq., New York
Superior Lamp Mfg. Co., 136 W 52d, New York
White Mfg. Co., 155 Cannon, Bridgeport, Conn.

7163a—Lamps (Christmas Tree, Electric)

See also Lamps, Battery

Anchor Electric Co., 557 W Jackson blvd, Chicago, Ill.
Deal Electric Co. Inc. (Complete Outfits), 453 Broome, New York
Edison Lamp Works ("Edison Mazda"), Sussex, Harrison, N. J.
Sunshine Christmas Tree Outfit Co., 361 Canal, New York
Wood C. D. Electric Co. ("Blighty"), 565 Broadway, New York

Lamps (Contractors' Portable)

See Contractors' Portable Light

7164— Lamps (Derrick)

MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.

Lamps (Desk, Electric)

See Lights, Desk, Electric

7165-6— Lamps (Electric)

See also Lamps, Incandescent, Electric and Following Headings; also Lamps, Nitrogen
Bussmann Mfg. Co., ("Clamp-O-Set"), 3319 N 23rd, St. Louis, Mo.
FEDERAL ELECTRIC COMPANY (Hand), 8702 S State, Chicago, Ill.
See adv index at end of book
Frink I. P., Inc. ("Linolite"), 239 10th av, New York
Hubley Mfg. Co., Lancaster, Pa.
Lightolier Co. (Floor & Table), 569 B'way, New York
Paragon Electric Co. (Jobbers), 446 7th av, New York
Westinghouse Elec & Mfg. Co., E Pittsburgh, Pa. *See adv index at end of book*

7167— Lamps (Gasoline)

See also Lamps, Arc Gasoline
AMERICAN GAS MACHINE CO., INC., Albert Lea, Minn., and 78 Reade, New York
Coleman Lamp Co. ("O. K.", "Air-O-Lite" Portable Table Lamps), 120 S Los Angeles, Los Angeles, Cal.
Coleman Lamp Co. ("Air-O-Lite" Table Lamp, etc), Wichita, Kan.
Economy Lamp Co., 1701-15 Washington, Kansas City, Mo.
Edison Lamps Works (Edison "Mazda"), Sussex, Harrison, N. J.
Gloria Light Co., 112 N May, Chicago, Ill.
Hydro-Carbon Light Co., 2404 First av, Seattle, Wash.
Incandescent Light Mfg. Co., Council Bluffs, Ia.
King Light Co. (Self-Lighting), Peoria, Ill.
Knight Light & Soda Fountain Co., 2729 N Kildare av, Chicago, Ill.
National Stamping & Electric Works, 424 S Clinton, Chicago, Ill.
Powerlight Mfg. Co., 512 B'way, New York
Smith of N. Y. Co., 1 Franklin sq., New York
Sun Vapor & Gas Street Light Co. (Incandescent), Canton, O.
Sunshine Safety Lamp Co., 1818 Walnut, Kansas City, Mo.
Thomas Mfg. Co. (Pressure), Dayton, O.
WAXHAM LIGHT CO. (Portable & System), 552 W 42d, New York
Yale Light Co. (Portable), 217 N Des Plaines, Chicago, Ill.

Lamps (Gauge)

See Lamps, Locomotive Gauge

7168— Lamps (Gem)

Columbia Lamps Division the Nat'l Lamp Works of G. E. Co. ("Columbia"), Central National Bank bldg, St. Louis, Mo.
Packard Lamp Works of G. E. Co. ("Packard"), Warren, O.

7169— Lamps (Gravity)

Best Light Co., 477 Second, N E, Canton, O
Economy Lamp Co., 1701-15 Washington, Kansas City, Mo.

7170—Lamps (Hand, Engineers' & Machinists')

Gray, Peter & Sons, Inc., 286 Third, E Cambridge, Mass.
Huebel Mfg. Co. (Malleable Iron), 103 Monroe, Newark, N. J.
Knapp Mfg. & Supply Co., 241 Water, New York

7171— Lamps (Hanging)

Bradley & Hubbard Mfg. Co. (Oil), Meriden, Conn.
Dressel Railway Lamp Works (For Office, Station, etc), 3860 Park av, New York
Handlan-Buck Mfg. Co. (Railroad Office & Station), 210 14th nr 3d, St. Louis, Mo.
Plume & Atwood Mfg. Co. ("Royal" "Banner" Oil), Waterbury, Conn.
Smith of N. Y. Co., 1 Franklin sq., New York
Tiffany Studios (Special Designs), 361 Madison av, New York

7172—Lamps (Household, Brass)

Almond T. R. Mfg. Co. ("Almond Flexo" also floor), Ashburnham, Mass.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Bussmann Mfg. Co., ("Clamp-O-Set"), 3319 N 23rd, St. Louis, Mo.
Coleman Lamp Co. ("Coleman"), Wichita, Kan.
McKee Glass Co., Jeannette, Pa.
Manhattan Brass Co., 332 E 28th, New York
Miller Edward & Co., Meriden, Conn.
Parker Chas. Co., Meriden, Conn.
Pittsburgh Lamp, Brass & Glass Co., 130 7th, Pittsburgh, Pa.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Scovill Mfg. Co., Waterbury, Conn.
See adv index at end of book
Standard Oil Co. of N. Y. ("Rayo"), 555 W 25th, New York

7173-4—Lamps (Household, Glass)

Cambridge Glass Co., Cambridge, Ohio
Central Glass Works, Wheeling, W. Va.
Consolidated Lamp & Glass Co., Coraopolis, Pa.
Eagle Mfg. Co., Wellsburg, W. Va.
Fostoria Glass Co., Moundsville, W. Va.
Lancaster Glass Co., Lancaster, Ohio
Phoenix Glass Co., 2nd National Bank bldg, Pittsburgh, Pa.
Pittsburgh Lamp, Brass & Glass Co., 130 7th, Pittsburgh, Pa.
Sneath Glass Co., Hartford City, Ind.
Tarentum Glass Co., Tarentum, Pa.

Lamps (Hydro Carbon)

See Lamps, Incandescent, Hydro-Carbon

7175—Lamps (Incandescent Electric)

American Electric Lamp Works of G. E. Co. ("American"), Central Falls, R. I.
Banner Electric Works of G. E. Co. ("Banner"), Youngstown, Ohio
Brown John W. Mfg. Co., Columbus, O.
Bryan-Marsh Division El. Wks., (National Lamp Works of G. E. Co.), 623 S Wabash av, Chicago, Ill.
Buckeye Electric Works of G. E. Co. ("Buckeye"), 1806 E 45th, Cleveland Ohio
Candler Elec. Lamp Co., 535 7th av, New York
Capital Electric Co. ("Hall," "Hygrade"), 1126 California, Denver, Colo.
Colonial Electric Works of G. E. ("Colonial"), Warren, Ohio
Columbia Lamp Division the Nat'l Lamp Works of G. E. Co. ("Columbia"), Title Guaranty bldg, St. Louis, Mo. bldg, St. Louis, Mo.
Consolidated Electric Lamp Co. ("Champion" Carbon Filament), Danvers, Mass.
Doubleday-Hill Electric Co., 719 Liberty av, Pittsburgh, Pa.
Economical Electric Lamp Div. of G. E. Co. ("Hylo" Turndown), 25 W B'way, New York
Edison Lamp Works of G. E. Co. ("Mazda," "Edison Mazda," "Edison Gem," "Edison Carbon," "Lowatt"), Harrison, N. J.
Fostoria Incandescent Lamp Division of G. E. Co. ("Fostoria"), Fostoria, O.
Frink I. P., Inc., 239 10th av, New York
General Incandescent Lamp Works of G. E. Co. ("G. E."), Electric bldg, Cleveland, O.
Howland Mfg. Co., Malden, Mass.
Independent Lamp & Wire Co., 1733 B'way, New York
Kentucky Electrical Co. ("The Kentucky"), Owensboro, Ky.
Kiss Bros. Mfg. Co., 50 Webb, New Haven, Conn.
Lynn Incandescent Lamp Co., P. O. Box 664, Lynn, Mass.
Moran & Hastings Mfg. Co. (Portable), 18 W Washington, Chicago, Ill.
National Plastic Relief Co., 907 Evans, Cincinnati, Ohio.
Nilco Lamp Works Inc. ("Nilco"), Emporium, Pa.
Novelty Incandescent Lamp Co. ("Elk"), Emporium, Pa.
Packard Lamp Works of G. E. Co. ("Packard"), Warren, Ohio
Paragon Elec. Co. (Handy "Paragon"), 37 W Van Buren, Chicago, Ill.
Peerless-Brilliant Lamp Division of G. E. Co. ('Peerless Brilliant')', Warren, O.
Rooney F. J. Lamp Co. ("Sun-Star," Turndown, "World," Carbon), Hoboken, N. J.
Safety Electric Co., 431H S Dearborn, Chicago, Ill.
Save Electric Corp ("Save"), 615 Front, Toledo, O.
Shelby Lamp Division of G. E. Co. ("Shelby"), Shelby, Ohio
Sterling Electric Lamp Works of G. E. Co. ("Sterling"), Warren, Ohio

Sunbeam Incandescent Lamp Works of G. E. Co. ("Sunbeam"), 500 S Clinton, Chicago, Ill.
Sunlight Elec'l Mfg. Co., Warren, O.
Tipless Lamp Co. (Tipped & Tipless Carbon), Emporium, Pa. & Weehawken, N. J.
Toerring C. J. Co., 1815H Bristol, Phila., Pa.
Walker Henry L. Co., 27 E Jefferson av, Detroit, Mich.
Western Elec. Co. ("Sunbeam Mazda"), 463H West, New York
Westinghouse Lamp Co., 165 B'way, New York
Whitelite Elec. Co., 110 W 34th, New York

Lamps (Incandescent Electric, Car)

See Lamps, Incandescent Electric

7176—Lamps (Incandescent Gas)

See also Lamps, Arc, Gas

Hygrade Lamp Co. ("Hygrade," also Vacuum), Salem, Mass.
Kentucky Electrical Co., Owensboro, Ky.
Knight Light & Soda Fountain Co., 351 W Chicago av, Chicago, Ill.
Peerless Light Co. ("Peerless" Inverted & Upright), 663 W Washington Blvd., Chicago, Ill.
Welsbach Gas Lamp Co. ("Welsbach"), 392 Canal, New York

7177—Lamps (Incandescent Gasoline)

See also Lamps, Arc, Gasoline

Coleman Lamp Co. ("Coleman"), Wichita, Kan.
Coleman Lamp Co. ("O K," Chandelier), 120 S Los Angeles, Los Angeles, Cal.
Economy Lamp Co., 1701-15 Washington, Kansas City, Mo.
Incandescent Light Mfg. Co., Council Bluffs, Ia.
National Stamping & Elec. Works, 424 S Clinton, Chicago, Ill.
Sun Vapor & Gas Street Light Co., Canton, O.
Tures Mfg. Co ("Turs-Lite"), 394 6th, Milwaukee, Wis.

7178—Lamps (Incandescent, Hydro Carbon)

Coleman Lamp Co. ("Coleman"), Wichita, Kan.
Economy Gas Lamp Co., 218 Goodrich, Kansas City, Mo.

7179—Lamps (Incandescent, Kerosene)

Best Light Co., 477 Second, N E, Canton, O.
Coleman Lamp Co. ("Coleman"), Wichita, Kan.

7180—Lamps (Incandescent Miniature)

American Ever Ready Wks. of Nat'l Carbon Co., Thompson av, L. I. City, N. Y.
Berry A. Hall, 71 Murray, New York
Boehm Christian C. (Surgical), Rochester, N. Y.
Boehm H. & Co., Youngstown, O.
Brooklyn Electric Lamp & Novelty Co., 278 Fulton, Brooklyn, N. Y.
Bryan-Marsh Division ("Bryan-Marsh"), National Lamp Works of G. E. Co., 623 S Wabash av, Chicago, Ill.
Chicago Min. Lamp Wks., 652 West Lake, Chicago, Ill.
Columbia Lamp Division the Nat'l Lamp Works of G. E. Co. ("Columbia"), Title Guaranty bldg, St. Louis, Mo.
Consolidated Electric Lamp Co., Danvers, Mass.
Diamond Electric Specialties Corp., 101 S Orange, Newark, N. Y.
Domestic Tungsten Lamp Co., 575 Bergenline av, West N. Y., N. J.
Edison Lamp Wks. of G. E. Co. (Mazda Carbon), Sussex, Harrison, N. J.
Elec. & Glass Spec. Wks., Toledo, O.
Federal Miniature Lamp Division Nat'l Lamp Works of G. E. Co. ("Federal"), 920 S Mich. av, Chicago, Ill.
Independent Lamp & Wire Co., 1783 B'way, New York
Interstate Electric Novelty Co. (Carbon, Tungsten), 60 Tillary, Brooklyn, N. Y.
Jaeger H. J. Co. (Nitrogen), 280 Park av, Weehawken, N. J.
Kellogg Switchboard & Supply Co. (Tele. Switchboard), 1066 W. Adams, Chicago, Ill.
M. & W. Co., Inc., 53 Wilbraham rd, Springfield, Mass.
McCandless H. W. ("Empire"), 150 B'way, New York
Novelty Inc. Lamp Co., Emporium, Pa.
Peerless-Brilliant Lamp Division of G. E. Co. ("Peerless-Brilliant"), Cleveland, Ohio
Rooney F. J. Lamp Co., Hoboken, N. J.
Safety Electric Co. (Candelabra), 431H S Dearborn, Chicago, Ill.
Tipless Lamp Co. (Tipped & Tipless Carbon), Emporium, Pa., & Weehawken, N. J.
Tulite Auto Bulb Co., 1767 Broadway, New York
Vacuum Glass Co., Lynn, Mass.
Vosburgh Min. Lamp Co. (Tungsten Nitrogen), 259 Valley rd, West Orange, N. J.
Wood C. D. Electric Co. ("Solus" Imp.), 565 Broadway, New York

7181—Lamps (Incandescent, Portable)

Balte Mfg. Co. (Gasoline & Kerosene), 231 N Despe, Chicago, Ill.
Coleman Lamp Co., Wichita, Kan.
Economy Lamp Co., 1701-15 Washington, Kansas City, Mo.
Goshen Novelty & Lamp Co.,(also Gas), Goshen, Ind.
Knight Light & Soda Fountain Co., 2729 Kildare av, Chicago, Ill.
National Stamping & Elec. Works, 424 S Clinton, Chicago, Ill.
Rattan Mfg. Co. (Reed), New Haven, Conn.
Wizard Lamp Co. ("Wizard"), 947 Folsom, San Francisco, Cal.

7182—Lamps (Incandescent Portable Electric)

Bussmann Mfg. Co., ("Clamp-O-Set"), 3819 N 23rd, St. Louis, Mo.
California Lamp Mfg. Co., 1007 N Main, Los Angeles, Cal.
Magnavox Co., ("Magnalux"), 2725 E 14th, Oakland, Cal.
MORSE FRANK W. ("Morse"), 289 Congress, Boston, Mass.
See adv index at end of book
Rockford Metal Specialty Co., Rockford, Ill.
Salch Bros., 208 Lafayette, New York

7182a—Lamps (Incandescent, Portable, Floor Electric)

MORSE FRANK W. (For Garages), 289 Congress, Boston, Mass.
See adv index at end of book

7183—Lamps (Incandescent Renewed)

American Appliance Co., 207 S Meridian, Indianapolis, Ind.
Anchor Elec. Co., 557 W Jackson, Chicago, Ill.
Consolidated Electric Lamp Co. ("Pioneer," "Standard"), Danvers, Mass.
Novelty Incandescent Lamp Co. ("Excel"), Emporium, Pa.
V. & D. Elec. Co., Franklin, O.

7184—Lamps (Incandescent Street Series)

Westinghouse Lamp Co., 165 Broadway, New York

7185-6—Lamps (Incandescent Vapor Gas)

Economy Lamp Co., 1701-15 Washington, Kansas City, Mo.
Nat'l Stamping & Electric W'ks ("Nulite"), 424 S Clinton, Chicago, Ill.
Sun Vapor & Gas Street Light Co., Canton, O.

7187—Lamps (Inverted Gas)

Cameron Glass & Mfg. Co., ("Cameron"), Cameron, W. Va.
General Gas Light Co. ("Humphrey"), Kalamazoo, Mich.
Knight Light & Soda Fountain Co., 2729 Kildare av, Chicago, Ill.
Matchless Brass Mfg. Co. (Inverted & Upright), 57 Jay, Brooklyn, N. Y.
Risinger Bros. Co. ("Risinger," Arc), East Liverpool, O.
Standard Stamping Co., Huntington, W. Va.
Welsbach Gas Lamp Co. ("Welsbach" & Semi-Indirect), 392 Canal, New York

7188—Lamps (Inverted Gasoline)

Coleman Lamp Co. ("O. K." System), 120 S Los Angeles, Los Angeles, Cal.
Coleman Lamp Co. ("Coleman"), Wichita, Kan.
Economy Lamp Co., 1701-15 Washington, Kansas City, Mo.
Knight Light & Soda Fountain Co. (Incandescent Pressure), 2729 N Kildare ave, Chicago, Ill.
Tures Mfg. Co. ("Turs-Lite"), 394 6th, Milwaukee, Wis.

7189—Lamps (Kerosene Oil)

Knight Light & Soda Fountain Co., 2729 N Kildare av, Chicago, Ill.
Powerlight Mfg. Co., 210 5th av, New York
Scovill Mfg. Co., Waterbury, Conn.
See adv index at end of book
Thomas Mfg. Co. (Pressure), Dayton, O.

7190—Lamps (Locomotive Gauge)

Dressel Railway Lamp Works (For Steam or Water Gauge), 3560 Park av, New York
Fowler Lamp & Mfg. Co. ("Fowler" Electric), 59 E 24th, Chicago, Ill.
Gray Peter & Sons, Inc. (Water & Steam Gauge, etc), 236 Third, East Cambridge, Mass.
Handian-Buck Mfg. Co. (Steam & Water), 210 N 3d, St. Louis, Mo.
Knapp Mfg. & Supply Co. (Steam or Water), 241 Water, New York
National Marine Lamp Co., Forestville, Conn.
Porter Co., 241 Water, New York

Lamps (Malleable Iron)

See Torches, Malleable Iron
Also Lamps Hand, Engineers' & Machinists

7191— Lamps (Marine, Oil)

See also Lamps, Automobile; also Projectors or Searchlights

Boesch Lamp Co., 962 Mission, San Francisco, Cal.
Bradley & Hubbard Mfg. Co. (Cabin), Meriden, Conn.
Detroit Shipbuilding Co., Ft. Orleans, Detroit, Mich.
Dressel Railway Lamp Works (Revolving Deck Caboose), 3560 Park av, New York
Edmunds & Jones Corp. ("E. & J."), 436 Lawton, Detroit, Mich.
Gray Peter & Sons Inc., 236 Third, Cambridge, Mass.
Hall C. M. Lamp Co. ("Solar"), Hancock & Rivard, Detroit, Mich.
Miller Edw & Co. (Cabin), Meriden, Conn.
National Marine Lamp Co., Forestville, Conn.
Perkins Marine Lamp Co., 1943 Pitkin av, B'klyn, N. Y.
Porter Co., 241 Water, New York
Russell & Stoll Co. (Cabin & Signal), 17 Vanderwater, New York
Russell & Watson (Signal), 225 Washington, Buffalo, N. Y.

7192-3— Lamps (Mazda)

Bryan-Marsh Division ("Bryan-Marsh" Drawn Wire), (National Works of G. E. Co.), 623 Wabash av, Chicago, Ill.
Buckeye Electric Works, 1806 E 45th, Cleveland, Ohio
COLONIAL SUPPLY CO., 317 Water, Pittsburgh, Pa.
See adv index at end of book
Columbia Lamp Division the Nat'l Lamp Works of G. E. Co. ("Columbia"), Title Guaranty bldg, St. Louis, Mo.
Fostoria Incandescent Lamp Division of G. E. Co. ("Fostoria," Drawn Wire), Fostoria, O.
Frink I. P., Inc. ("Linolite"), 239 10th av, New York
National Lamp Works of G. E. Co., Nela Park, Cleveland, O.
Packard Lamp Works of G. E. Co. ("Packard" Mazda & Gem), Warren, O.
Peerless-Brilliant Lamp Division of G. E. Co. ("Peerless-Brilliant"), Warren, O.
Shelby Lamp Division of G. E. Co. ("Shelby"), Shelby, O.
Sterling Electric Lamp Works of G. E. Co. ("Sterling" Drawn Wire), Warren, O.
Westinghouse Lamp Co., 165 B'way, New York

7194—Lamps (Mercury Vapor)

COOPER & HEWITT ELECTRIC CO. ("Cooper-Hewitt"), 8th & Grand, Hoboken, N. J.

7195—Lamps (Metallized-Filament)

Westinghouse Lamp Co., 165 B'way, New York

7195a— Lamps (Mill)

Edison Lamp Works ("Edison Mazda"), Sussex, Harrison, N. J.

7195b— Lamps (Mine)

Brilliant Searchlight Mfg. Co., 529 S Dearborn, Chicago, Ill.
Edison Lamp Works ("Edison Mazda"), Sussex, Harrison, N. J.

7196—Lamps (Mine, Acetylene)

Amer. Lava Corp. Chattanooga, Tenn.
Dewar Mfg. Co., 30 35th, B'klyn, N. Y.
Hardsocg Martin Co. (Acetylene), 933 South av, Pittsburgh, Pa.
HARKER MFG. CO. ("American Bull Dog"), 121-123 W Third, Cincinnati, O.
Hughes Bros. ("Pathfinder"), Scranton, Pa.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Milburn A. Alexander Co., 1420 W Baltimore, Baltimore, Md.
Shanklin Mfg. Co., Springfield, Ill.
Wolf Safety Lamp Co. of America, ("Wolf"), 80 Washington, New York

7197—Lamps (Miners', Electric)

Edison Storage Battery Co., Orange, N. J.
FEDERAL ELECTRIC COMPANY, 8702 S State, Chicago, Ill.
See adv index at end of book
Wolf Safety Lamp Co. of America **("Wolf"), 227 Grand av, Brooklyn, N. Y.**

7198—Lamps (Miners' Oil & Sunshine)

Anton Geo. T. & Bro., Monongahela, Pa.

7199—Lamps (Miners' Safety)

AMERICAN SAFETY LAMP & MINE SUPPLY CO., ("Beard-Deputy," "Davy," "Clammy," "Marcaut," "Wolf Type"), 1327 Capouse av, Scranton, Pa.
Anton Geo. T. & Bro. ("Star," "Globe," "Eagle"), Monongahela, Pa.
Brilliant Searchlight Mfg. Co. 529 S Dearborn, Chicago, Illl.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Concordia Electric Co. ("Ceag"), Union Arcade bldg, Pittsburgh, Pa.
Dunlap John Co. ("Dunlap's" Seamless), Carnegie, Pa.
Everhart Brass Works, Scranton, Pa.
Grier Bros. Co. "Star" Carbide), 124 2d av, Pittsburgh, Pa.
Handlan-Buck Mfg. Co. (Clany & Davy), 210-14 N 3d, St. Louis, Mo.
Hardsocg Martin Co., 922 South av, Pittsburgh, Pa.
Hardsocg Mfg. Co. ("Black Diamond"), Ottumwa, Ia.
Hughes Bros., Scranton, Pa.
Irving Mfg. & Tool Co., 157 Chambers, New York
Koehler Mfg. Co. ("Koehler"), Marlboro, Mass.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Mine Safety Appliances Co., 909 Chamber of Commerce bldg, Pittsburgh, Pa.
Standard Oil Co. ("Miner's Sunshine"), **555 W 25th, New York**
Tunnessen Mfg Co., Hazelton, Pa.
What Cheer Tool Co. (Carbide & Oil), What Cheer, Ia.
Wissler A., B'way & Wash. av, St. Louis, Mo.
Wolf Safety Lamp Co. of America **("Wolf"), 227 Grand av, B'klyn, N. Y.**

7200— Lamps (Mission)

Brown W. B. Co., Bluffton, Ind.
Goshen Novelty & Lamp Co., Goshen, Ind.
Lamb Bros. & Greene, Nappanee, Ind.
Limbert Chas. P. Co., Holland, Mich.
Peterson Art Furniture Co., Fairbault, Minn.

7201— Lamps (Motor)

See Lamps also Automobile, Gas & Oil
Also Headlights, Automobile
Edison Lamp Works ("Edison Mazda"), Sussex, Harrison, N. J.

7202— Lamps (Night)

Bussman Mfg. Co. ("Clamp-o-Set"), 3819 N 23rd, St. Louis, Mo.
Chandlee H. P. Sons Co., 114 W Lombard, Baltimore, Md.
McCandless H. W. Co. (Miniature), 406 W 31st, New York
McFaddin H. G. & Co. ("Glow"), 33 Warren, New York
Plume & Atwood Mfg. Co., Waterbury, Conn.
Silver & Co. ("Little Beauty" Kerosene), **304 Hewes, Brooklyn, N. Y.**

7202a— Lamps (Nitrogen)

Acme Lamp Works, 65 Cambridge av, Jersey City, N. J.
American Appliance Co. (Standard), 207 S Meridian, Indianapolis, Ind.
Anchor Electric Co., 557 W Jackson blvd, Chicago, Ill.
Candler Elec. Lamp Co., 34 W 37th, New York
Edison Lamp Works of G. E. Co., Sussex, Harrison, N. Y.
Friedlander Oscar Co. (Standard), 40 Murray, New York
Independent Lamp & Wire Co. (Standard), **1733 B'Way, New York**
Jaeger H. J. Co. (Miniature), 280 Park av, Weehawken, N. Y.
McCandless H. W. (Miniature), 150 B'way, New York
Nitrogen Elec. Co. (Standard), 36 Spring, Newark, N. J.
Novelty, Inc., Lamp Co., Emporium, Pa.
Vosburg Miniature Lamp Co., 289 Valley rd, West Orange, N. J.
Whitelite Elec. Co. (Standard), 110 W 34th, New York

7203— Lamps (Orchestra)

McLeod, Ward & Co. ("Ward"), 430 11th av, New York

Lamps (Oven)

See Illuminators, Oven

Lamps (Photo-Engraving)

See Lamps, Arc, Photo-Engraving

7203a—Lamps (Photographic)

PEASE C. F. CO., 820 N. Franklin, Chicago
See adv index at end of book

7204— Lamps (Photometer)

American Meter Co. **("Elliott" & "Pentane"),** 17th & Clearfield, Phila., Pa.

7205— Lamps (Pier Head)

Gray Peter & Sons Inc., 286 3d, Cambridge, Mass.
National Marine Lamp Co., Forestville, Conn.
Porter Co., 241 Water, New York

Lamps (Pocket, Electric)

See Flashlights, Electric Lamp & Lantern

7205a— Lamps (Portable)

AMERICAN GAS MACHINE CO., INC. ("Ready-Lite"), 78 Reade, New York

Lamps (Portable Gasoline)

See Lamps, Incandescent, Portable

7206— Lamps (Quartz)

COOPER-HEWITT ELECTRIC CO., 8th & Grand, Hoboken, N. J.
HANOVER CHEMICAL & MFG. CO., 109 Chestnut, **Newark, N. J.**
R. U. V. Co., Inc., 383 Madison av, New York

7207— Lamps (Railway)

Adams & Westlake Co., 319 W Ontario, Chicago, Ill.
Armspear Mfg. Co., 447 W 53d, New York
Dayton Mfg. Co., Dayton, O.
Dressel Railway Lamp Works, 3860 Park av, New York
Edison Lamp Works ("Edison Mazda" Train Lighting"), Sussex, Harrison, **N. J.**
Embury Mfg. Co. (Inspectors Lamps), Warsaw, N. Y.
Gray Peter & Sons (Conductors' Signal, Switch Tail, etc.), 286 Third, East Cambridge, Mass.
Handlan-Buck Mfg. Co., 210-14 N 3rd, St. Louis, Mo.
National Marine Lamp Co., Forestville, Conn.
Sherburne & Co., 53 Oliver, Boston, Mass.
Smith of N. Y. Co., 1 Franklin sq., New York
Star Headlight & Lantern Co., Rochester, N. Y.

7208—Lamps (Semaphore Signal)

Adams & Westlake Co., 319 W Ontario, Chicago, Ill.
Armspear Mfg. Co., 447 W 53d, New York
Dressel Railway Lamp Works (Steel & Tinned), 3860 Park av, New York
Gray Peter & Sons, Inc., 286 Third, E Cambridge, Mass.
Handlan-Buck Mfg. Co., 210 14th nr 3d, St. Louis, Mo.
National Marine Lamp Co., Forestville, Conn.
Rochester Headlight Works (Jas. H. Kelly, propr.), Rochester, N. Y.
Star Headlight & Lantern Co., Rochester, N. Y.

7209— Lamps (Signal)

Adams & Westlake Co., 319 W Ontario, Chicago, Ill.
Armspear Mfg. Co., 447 W 53d, New York
Arrolite Auto Signal Corp. ("Arrolite"), 725 Mission, San Francisco, Cal.
Boesch Lamp Co. ("Right-O-Way" Safety), 962H Mission, San Francisco, Cal.
Dayton Mfg. Co., Dayton, O.
Dressel Railway Lamp Works (Automatic Engine & **"Hurculean," "Fassett" & Electric Route, etc), 3860 Park av, New** York
Edison Lamp Works ("Edison Mazda"), Sussex, Harrison, N. J.
Grand Rapids Brass Co. (Automobile Tail), Grand Rapids, Mich.
Gray Peter & Sons, Inc., 286 Third, E Cambridge, Mass.
Handlan-Buck Mfg. Co. (Daylight), 210 3rd, St. Louis, Mo.
K.-D. Lamp Co. **("K-D"), 112 W 3d,** Cincinnati, O.
MacLeod Co. (Pier), 2227 Bogen, Cincinnati, O.
See adv index at end of book
National Marine Lamp Co., Forestville, Conn.
Raydex Mfg. Co., Inc., Brackenridge, Pa.
Rochester Headlight Wks. (Jas. H. Kelly, propr.), Rochester, N. Y.
Rosen A. W. & Co. ("Rosco"), 610 B'way, New York
Porter Co., 241 Water, New York
Smith of N. Y., 1 Franklin sq, New York
Star Headlight & Lantern Co., Rochester N. Y.
Wolter Auto Signal Co., Everett, Wash.

7210— Lamps (Station)

Armspear Mfg. Co., 447 W 53d, New York
Chandlee H. P. Sons Co., 114 W Lombard, Baltimore, Md.
Defiance Lantern & Stamping Co., Rochester, N. Y.
Dressel Railway Lamp Works, 3860 Park av, New York
Gray Peter & Sons, Inc., 286 Third, E Cambridge, Mass.
Handlan-Buck Mfg Co., 210 14 nr 3rd, St. Louis, Mo.
National Marine Lamp Co., Forestville, Conn.
Pritchard Stamping Co., Rochester, N. Y.
Smith of N. Y. Co., 1 Franklin sq, New York

7211— Lamps (Street)

Amos Chas. & Co., Inc., 3000 Hart av, Detroit, Mich.
Biddle-Gaumer Co., 3346 Lancaster av. Philadelphia, Pa.
Coleman Lamp Co. ("Coleman"), Wichita, Kan.
Defiance Lantern & Stamping Co., Rochester, N. Y.
Dressel Railway Lamp Works (Gas or Oil), 3860 Park av, New York
Edison Lamp Works ("Edison Mazda"), Sussex, Harrison, N. J.
Embury Mfg. Co. (Globe, Oil), Warsaw, N. Y.
GENERAL ELECTRIC CO., Schenectady, **N. Y.** *See adv index at end of book*
Handlan-Buck Mfg. Co., 210 14th nr 3d, St. Louis, Mo.
Kitson Hydro-Carbon Heating & Incandescent Lighting Co., 2819 Oakford, Philadelphia, Pa.
Penna Globe Gas Light Co., 1934 Market, Phila., Pa.
Pritchard Stamping Co., Rochester, N. Y.
Smith of N. Y. Co., 1 Franklin sq, New York

7212— Lamps (Switch)

Adams & Westlake Co., 319 W Ontario, Chicago, Ill.
Armspear Mfg. Co., 447 W 53rd, New York
Dayton Mfg. Co., Dayton, O.
Dressel Railway Lamp Wks (Steel & Tinned), 3860 Park av, New York
Edison Lamp Works ("Edison Mazda"), Sussex, Harrison, N. J.
Gray Peter & Sons, Inc., 286 Third, E Cambridge, Mass.
Handlan-Buck Mfg. Co., 210-14 N 3rd, St. Louis, Mo.
Koven Mfg. Co., 444 Hayes, San Francisco, Cal.
National Marine Lamp Co., Forestville, Conn.
Seattle Frog & Switch Co., Smith bldg, Seattle, Wash.
Sherburne & Co., 53 Oliver, Boston, Mass.
Star Headlight & Lantern Co., Rochester, N. Y.

7213-4— Lamps (Table)

Almond T. R. Mfg. Co. ("Almond" Flexo-Electric, Ashburnham, Mass.
Artistic Metal Products Corp. (Electric), 91 N. J. R. R. av, Newark, N. J.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Bussmann Mfg Co. **("Clamp-o-Set"), 3819** N 23rd, St. Louis, Mo.
Coleman Lamp Co. ("Coleman"), Wichita, Kan.
De Voto Lamp & Shade Co. (Also Floor), 205 2nd, San Francisco, Cal.
Dressel Railway Lamp Works ("Belgian" Stand for Desk or Ticket Office), 3860 Park av, New York
Imperial Glass Co., Bellaire, Ohio
Jefferson Glass Co. (Electric), Follansbee W. Va.
Magnavox Co. ("Magnalux"), 2725 E 14th, Oakland, Cal.
Manchester Mfg. Co. (& Floor, Wood), 1210 S. Vandeventer av, St. Louis, Mo.
Mason Mfg. Co., 306 Winston, Los Angeles, Cal.
Miller Edw. & Co., Meriden, Conn.
National Plastic Relief Co. (Electric), 907 Evans, Cincinnati, O.
Pairpoint Corporation, New Bedford, Mass.
Parker Chas. Co. (Electric, Gas & Oil), Meriden, Conn.
Pittsburgh Lamp, Brass & Glass Co., 130 7th, Pittsburgh, Pa.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Sandstrom, G. S. Furniture Mfg. Co. (also Floor), 1500 E 12th, Oakland, Cal.
Schroeder Edw. Lamp Works, 716 Jersey av, Jersey City, N. J
Standard Oil Co. of N. Y. **("Rayo" Oil),** 555 W 25th, New York
Stiles H. A. & Co. (& Floor), 166-174 Portland, Boston, Mass.
See adv index at end of book

Wizard Lamp Co. ("Wizard"), 947 Folsom, San Francisco, Cal.
Wreisner Bros., Dassel, Minn.

7215— Lamps (Tantalum)

Buckeye Electric Works of G. E. Co. ("Buckeye"), 1806 E 46th, Cleveland, Ohio
Columbia Lamp Division the Nat'l Lamp Works of G. E. Co. ("Columbia"), Title Guaranty bldg, St. Louis, Mo.
Federal Miniature Lamp, Division Nat'l Lamp Works, G. E. Company, (Miniature), 920 S Mich. av, Chicago, Ill.
Westinghouse Lamp Co., 165 B'way, New York

7215a— Lamps (Therapeutic)

Betz-Frank S. Co., Hammond, Ind.
COOPER-HEWITT ELECTRIC CO., 8th & Grand, Hoboken, N. J.
Edison Lamp Works ("Edison Mazda"), Sussex, Harrison, N. J.
Fischer H. G. & Co., 2341 Wabansia av, Chicago, Ill.
Hanovia Chemical & Mfg. Co., 233 N. J. R. R. av, Newark, N. J.
Kny-Scheerer Co., 119 7th av, New York
McFaddin H. G. & Co. ("Thermolite"), 38 Warren, New York
Meyer Wm. Co., 1644 Girard, Chicago, Ill.
ROBERTSON LEO F., INC., 540 W 22nd, New York
Schwartz S. Robert & Bro., 729 Broadway, New York
Vioray Mfg. Co., 915 Whitlock av, New York
Wapper Elec. Co., 187 Harris av, Long Island City, N. Y.
Western Coil & Electrical Co., ("Vi-Ray-O"), Racine, Wis.

Lamps (Torch)

See Torches, Hand

7216— Lamps (Tungsten)

Anchor Electric Co., 557 W Jackson blvd, Chicago, Ill.
Buckeye Electric Works of G. E. Co. ("Buckeye"), 1806 E 45th, Cleveland, Ohio
Columbia Lamp Division the Nat'l Lamp Works of G. E. Co. ("Columbia"), Title Guaranty bldg, St. Louis, Mo.
Consolidated Electric Lamp Co. ("Champion"), Danvers, Mass.
Domestic Tungsten Lamp Co., 418-20 10th, W. New York, N. J.
Fostoria Incandescent Lamp Division of G. E. Co. ("Fostoria"), Fostoria, O.
Independent Lamp & Wire Co. (& Nitrogen Gas), 1733 B'way, New York
Kentucky Electrical Co., Owensboro, Ky.
Lux Mfg. Co. ("Flexible"), 123 E Kinney, Newark, N. J.
M. & W. Co., Inc., 53 Wilbraham rd, Springfield, Mass.
Novelty Inc. Lamp Co., Emporium, Pa.
Phila. Electrical & Mfg. Co. ("Penco" Arc), 1236 N 31st, Phila., Pa.
Rooney F. J. Lamp Co., 257 14th, Hoboken, N. J.
Salem Lamp Co., Salem, Mass.
Shelby Lamp Division of G. E. Co. ("Shelby"), Shelby, Ohio
Sterling Electric Lamp Works of G. E. Co. ("Sterling"), Warren, Ohio
Sunbeam Incandescent Lamp Works of G. E. Co. ("Sunbeam"), 500 S Clinton, Chicago, Ill.
Vacuum Glass Co. ("Convolt"), Lynn, Mass.
Vosburgh Mfg. Lamp Co. (Nitrogen), 289 Valley rd, West Orange, N. J.
Wood C. D. Electric Co., 565 B'way, New York

7217—Lamps (Turn Down Electric)

Economical Electric Lamp Div. of G. E. Co. ("Hylo-Economical"), 25 W B'way, New York
Rooney F. J. Lamp Co. ("Sun Star"), Hoboken, N. J.

7218— Lamps (Vapor)

New York Stamping Co. ("Express"), N 11th & Berry, Brooklyn, N. Y.
Ulfers Mfg. Co. ("Perfection" Kerosene Burning Lamps), Freeport, Ill.

7219— Lances (Corn)

Murphy's Robt. Sons Co., Ayer, Mass.

7219a— Lanolin

Greeff R. W. & Co., 78 Front, New York
Hummel & Robinson, 90 West, New York
Merck & Co., 45 Park pl, New York
Riddle Chemical Co. (Anhydrous, Hydrous), 35 S Dearborn, Chicago, Ill.
See adv index at end of book
Saloman L. A. & Bros., 216 Pearl, New York
Sirch C. W., Los Angeles, Cal.

7220— Lanterns (Acetylene)

MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Milburn & Alexander Co., 1420 W Baltimore, Baltimore, Md.

Lanterns (Artistic Wrought Iron & Bronze)

See Lamps, Artistic Bronze & Wrought Iron

7221— Lanterns (Bicycle)

Bridgeport Brass Co., Dept. H, E Main, Bridgeport, Conn.
Miller Edw. & Co., Meriden, Conn.

7222—Lanterns (Brass & Tin)

Armspear Mfg. Co., 447 W 53d, New York
Plume & Atwood Mfg. Co. ("Ichabod"), Waterbury, Conn.

7223— Lanterns (Candle)

Kraft A. C. ("Eldnac"), 323 W Lake, Chicago, Ill.
Porter Co., 241 Water, New York

7224—Lanterns (Dash Board)

Defiance Lantern & Stamping Co., Rochester, N. Y.
Embury Mfg. Co., Warsaw, N. Y.
Porter Co., 241 Water, New York
Pritchard Stamping Co., Rochester, N. Y
Smith of N. Y. Co., 1 Franklin sq, New York

7225— Lanterns (Electric)

American La France Fire Engine Co. (Fireman's or Watchman's), Elmira, N. Y.
Boesch Lamp Co., 962H Mission, San Francisco, Cal.
Electric Lantern Corporation ("Dualite," Also Batteries & Bulbs), 962 Mission, San Francisco, Cal.
Federal Elec. Co. (Trainmen's), 8700 S State, Chicago, Ill.
Gray Peter & Sons Inc. (Signal, Switch Garage, Etc.), 286 3d, Cambridge Mass.
Inland Electric Co., 16 S Wells, Chicago, Ill.
Manhattan Electrical Supply Co. ("Mescolite," "Dark Room"), 17 Park pl, New York

7226—Lanterns (Eye Testing)

Gray Peter & Sons (Inc.), 286 Third, East Cambridge, Mass.
Hydro-Carbon Light Co., 2404 First av, Seattle, Wash.

7226a—Lanterns (Gasoline & Kerosene)

See also Lamps

AMERICAN GAS MACHINE CO. INC. ("Ready-Lite & "Dark Chaser"), 78 Reade, New York
Coleman Lamp Co. ("Air-O-Lite" & "Quick-Lite"), Dept. H, Wichita, Kan.

7227— Lanterns (Japanese)

Kyoto Mfg. & Trading Co., 31 E 17th New York
Morimura Bros., 55 W 23d, New York

7228— Lanterns (Police)

Knapp Mfg. & Supply Co. ("Bull's Eye"), 241 Water, New York
National Enameling & Stamping Co., 411 5th av, New York
Smith of N. Y. Co., 1 Franklin sq, New York

7229— Lanterns (Railway)

Adams & Westlake Co., 319 W Ontario, Chicago, Ill.
Armspear Mfg. Co. (Wire & Steel Guard), 447 W 53d, New York
Boesch Lamp Co., 962 Mission, San Francisco, Cal.
Dayton Mfg. Co., Dayton, O.
Defiance Lantern & Stamping Co., Rochester, N. Y.
Dressel Railway Lamp Works, 3360 Park av, New York
FEDERAL ELECTRIC COMPANY, 8702 S State, Chicago, Ill.
See adv index at end of book
Gray Peter & Sons, Inc. (Conductors, Signal, Switch, Tail, etc), 286 Third, East Cambridge, Mass.
Handlan, Buck Mfg. Co., 210-14 N 3d, St. Louis, Mo.
Keystone Lantern Co. ("Casey"), Tacony & Cottman, Phila., Pa.
Pritchard Stamping Co., Rochester, N. Y.
Rochester Head Light Works (Jas. H. Kelly, Prop.), (oil or electric), Rochester, N. Y.
Selby Safety Flag Co., Railway Exchange bldg, St. Louis, Mo.
Smith of N. Y. Co., 1 Franklin sq, New York
Standard Oil Co. of N. Y., 555 W 26th, New York
Star Headlight & Lantern Co., Rochester, N. Y.
Tufts National Meter Co., 455 Commercial, Boston, Mass.

7230—Lanterns (Tubular, Etc.)

Acorn Brass Mfg. Co. ("Uni-Lite" Kerosene Oil or Gasoline), 3220 W Lake, Chicago, Ill.
Buhl Stamping Co., Scotten & M. C. R. R., Detroit, Mich.
Defiance Lantern & Stamping Co., Rochester, N. Y.
Economy Lamp Co. (Gasoline), 1701-15 Washington, Kansas City, Mo.
Friedly Voshardt Co., 733H S Halsted, Chicago, Ill.
Glens Falls Lantern Co. Glens Falls, N. Y.
Knight Light & Soda Fountain Co., 2729 N Kildare av, Chicago, Ill.
Lisk Mfg. Co. (Ltd.), ("Lisk," Cold Blast), Canandaigua, N. Y.
National Marine Lamp Co., Forestville, Conn.
Pritchard Stamping Co. ("Prisco"), Rochester, N. Y.
Standard Oil Co. of N. Y., 555 W 25th, New York
Thomas Mfg Co. (Oil), Dayton, O.
Tures Mfg. Co. (Gasoline), 394 6th, Milwaukee, Wis.
Wheeling Stamping Co. ("Paull's Leader," Cold & Hot Blast, also Short Globe Cold Blast), Wheeling, W. Va.
Yale Light Co. (Gasoline), 217 N Des Plaines, Chicago, Ill.

7230a—Lards & Cutting Lubricants

Southern Cotton Oil Co., 120 Broadway, New York
Stuart D. A. & Co., 2733 S Troy, Chicago, Ill.
Swan & Finch Co, ("Acme" "Mystic" "Alpha"), 165 B'way, New York

7231— Lariats

Bardall J. C. Co., Moundsville, W. Va.
Diamond Whip Co. ("Diamond," "Mustang" & Horn Loop Rope), 406 N. Curtis, Chicago, Ill.
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
Samson Cordage Works, Broad, Boston, Mass.
Tubbs Cordage Co. ("Broncho Brand" & "Life Line"), Kohl Bldg, San Francisco, Cal.

7232— Larries

Alliance Machine Co., Alliance, Ohio
Anderson W. H. Tool & Supply Co. (For Stone & Timber), 134 Brush, Detroit, Mich.
Atlas Car & Mfg. Co. (Electric Car), Cleveland, O.
See adv index at end of book
Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Beaumont R. H. Co. ("Beaumont" for Feeding Boilers), 393 Arch, Phila., Pa.
Brown Hoisting Machy. Co. (The), 4403 St. Clair, N. E., Cleveland, Ohio
See adv index at end of book
Connellsville Mach. & Car Supply Co., Connellsville, Pa.
Freeman-Riff Co. ("F-R" Weigh, Coal), Terre Haute, Ind.
Helmick Foundry & Machine Co. (Coke Oven Charging), Fairmont, W. Va.
JEFFREY MFG. CO. (Coke Ovens), 961 N Fourth, Columbus, O.
See adv index at end of book
Johnson & Thompson (Coke), Birmingham, Ala.
LINK-BELT COMPANY, 300 W. Pershing rd, Chicago, Ill.
See adv index at end of book
Marion Machine Fdry & Supply Co. (Electric Coal & Coke Oven Charging), Marion, Ind.
Phillips Mine & Mill Supply Co. (Coke Oven), 2227 Jane, Pittsburgh, Pa.
Specialty Engineering Co. (Weighing), Trenton & Allegheny avs, Phila., Pa.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Wellman-Seaver-Morgan Co., E. 70th & Central av, Cleveland, Ohio

7233— Lashes (Leather)

Bardall J. C. Co. (Buckskin, Georgia Ox, etc.), Moundsville, W. Va.
Diamond Whip Co. (& Rawhide), 406 N Curtis, Chicago, Ill.
Raniville F. Co. (Whip), Grand Rapids, Mich.

7234— Latches (Barn Door)

Albany Hardware Specialty Mfg. Co. ("Whitcomb"), Albany, Wis.
Allith-Prouty Co. ("Prouty"), Danville, Ill.

(Continued on following page)

Latches (Barn Door)—Continued

Arcade Mfg. Co. ("Rex"), Freeport, Ill.
Aurora Door Hanger & Spec. Co., Aurora, Ill.
Bolles Wm. B., Post Office Box 600 M. Milwaukee, Wis.
Brewer Bros. Co. (Wrought), 2743 N 2nd, Philadelphia, Pa.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Burgess & Norton Mfg. Co. ("Bur-Nor"), Geneva, Ill.
Corbin P. & F., New Britain, Conn.
Cronk & Carrier Mfg. Co. (Steel), 150 Lake, Elmira, N. Y.
Fernald Mfg. Co., North East, Pa.
Frantz Mfg. Co. ("Positive"), Sterling, Ill.
Grey Iron Casting Co., Mt. Joy, Pa.
Hager C. & Sons Hinge Mfg. Co. (Wrought Steel Japanned), St. Louis, Mo.
Hardware Specialty Mfg. Co. ("H. W." for Barn, Box Stalls, Corn Cribs, etc.), Anderson, Ind.
Hunt, Helm, Ferris & Co. ("Harvard" & "Star" Automatic), Harvard, Ill.
Lawrence Bros. (Automatic & Regular), Sterling, Ill.
National Mfg. Co. (All Steel), Sterling, Ill.
Peck C. A. Hardware Co. ("Gem," "Security," "Jewell"), Berlin, Wis.
Penn Hardware Co., Reading, Pa.
Porter J. E. Co., Ottawa, Ill.
Reading Hardware Co., Reading, Pa.
Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book
Russell & Erwin Mfg. Co., New Britain, Conn.
Safety Door Hanger Co., Ashland, O.
Sargent & Co., Water & Wallace, New Haven, Conn.
Stanley Works (also Garage), New Britain, Conn.
Stover Mfg. & Engine Co., Freeport, Ill.
Wagner Mfg. Co. ("Daisy"), Cedar Falls, Ia.
Weller Hdwre. & Fdry. Co., Horseheads, N. Y.
Wrightsville Hdw. Co. (Wrought), Wrightsville, Pa.

Latches (Cupboard)

See Catches, Cupboard, Screen Door, etc

7234a— Latches (Door)

Bolles Wm. B., P. O. Box 600M, Milwaukee, Wis.
Brewer Bros. Co. (Sliding Barn), 2743 N 2nd, Philadelphia, Pa.
Stanley Works, New Britain, Conn.
See adv index at end of book

7235-6—Latches (Fire Door)

Aurora Door Hanger & Spec. Co., Aurora, Ill.
Bolles Wm. B., P. O. Box 600M, Milwaukee, Wis.
Brewer Bros. Co. (Wrought, for Sliding Fire Door), 2743 N 2nd, Phila., Pa.
Richards-Wilcox Mfg. Co. (Steel), Aurora, Ill.
See adv index at end of book
Stowell Co. The, S Milwaukee, Wis.
Vonnegut Hardware Co. ("Von Duprin"), 120 E Washington, Indianapolis, Ind.

7237— Latches (Gate)

Allith-Prouty Co. ("Allith," for Gate Cold Storage Door, etc), Danville, Ill.
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Auer Jno. Jr. (Wrought), 197 Middleton, Brooklyn, N. Y.
Brewer Bros. Co. (Wrought, with Catch & Staple), 2743 N 2nd, Phila., Pa.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Chantrell Hdwe. & Tool Co. ("Chantrell"), Reading, Pa.
Columbus Brass Co., 620 Dublin av, Columbus, Ohio
See adv index at end of book
Corbin P. & F. ("Corbin"), Dept. H, New Britain, Conn.
Dent Hardware Co. (Secret), Fullerton, Pa.
Duffy Mfg. Co. ("Chicago"), 214 W Grand av, Chicago, Ill.
Grey Iron Casting Co. ("Donegal"), Mt. Joy, Pa.
Penn Hardware Co, Reading, Pa.
Reading Hardware Co., Reading, Pa.
Richards-Wilcox Mfg. Co. (Steel), Aurora, Ill.
See adv index at end of book
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., Water & Wallace, New Haven, Conn.
Stanley Works, New Britain, Conn.
Susquehanna Casting Co., Wrightsville, Pa.
Weller Hdwe. & Fdry. Co., Horseheads, N. Y.
Western Brass Mfg. Works (Reversible Office, etc), Marshall blvd & W 21st, Chicago, Ill.
Wrightsville Hardware Co. ("Shepard's" "St. Louis" Pattern, etc), Wrightsville, Pa.

7238— Latches (Lavatory)

Bommer Spring Hinge Co. ("Bommer" Door), 263 Classon av, Brooklyn, N. Y.
Chicago Spring Butt Co. (Door), 1500 Carroll av, Chicago, Ill.

7238a— Latches (Lever)

Bolles Wm. B. (Grip Bar), P. O. Box 600M, Milwaukee, Wis.
Niles Steel Products Co., Niles, Ohio
See adv index at end of book

7239— Latches (Night)

Chantrell Hdwe. & Tool Co. ("Chantrell"), Reading, Pa.
Climax Co., 275 Passaic, Newark, N. J.
Corbin P. & F., New Britain, Conn.
Deitz Alonzo E. (Tubular Run, Mortise, etc), 73 Clymer, Brooklyn, N. Y.
Eagle Lock Co., Terryville, Conn.
Fraim E. T. Lock Co. ("Keystone" & "Fraim"), 237 Park av, Lancaster, Pa.
Huber Mfg. Co. ("Huber," "Gibraltar," "Victor," "Barnes"), 417 E 93d, New York
Miller J. Walter Co., Lancaster, Pa.
Miller Lock Co. ("Lincoln" & "Miller," Run), 4523 Tacony, Phila., Pa.
Penn Hardware Co. ("Heizmann"), Reading, Pa.
Romer & Co., Inc., 95 Clay, Newark, N. J.
Russell & Erwin Mfg. Co., New Britain, Conn.
Safe Padlock & Hardware Co., Lancaster, Pa.
Sargent & Co., New Haven, Conn.
Sargent & Greenleaf, Inc., Rochester, N. Y.
Skillman Hardware Mfg. Co., Trenton, N. J.
Yale & Towne Mfg. Co., Stamford, Conn.

The Index to Trades is the key to the vast stores of information in
HENDRICKS COMMERCIAL REGISTER
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7240—Latches (Refrigerator)

Allith-Prouty Co. ("Allith"), Danville, Ill.
Arcade Mfg. Co., Freeport, Ill.
Brainerd Mfg. Co., East Rochester, N. Y.
Dent Hardware Co., Fullerton, Pa.
Dunn Mfg. Co., Mankato, Minn.
Grand Rapids Brass Co., Grand Rapids, Mich.
Greene, Tweed & Co., 109 Duane, New York
Hill C. V. & Co., 360H Pennington, Trenton, N. J.
National Refrigerator Co., 827 Koeln av, St. Louis, Mo.
Payson Mfg. Co., 2918 W Jackson blvd, Chicago, Ill.
Penn Hardware Co., Reading, Pa.
Safe Padlock & Hardware Co., Lancaster, Pa.
Sargent & Co., Water & Wallace, New Haven, Conn.
Tiebout W. & J., 118 Chambers, New York
Western Brass Mfg. Works (Brass, Bronze & Malleable Iron, Japanned), Marshall blvd & W 21st, Chicago, Ill.

7241—Latches (Screen & Storm Door)

Corbin P. & F., New Britain, Conn.

7242— Latches (Shutter)

Western Brass Mfg. Works (Brass & Bronze), Marshall blvd. & W 21st, Chicago, Ill.

Latches (Sliding Door)

See Locks & Latches, Sliding Door

7243— Latches (Spring)

Hardware Supply Co., Grand Rapids, Mich.

Latches (Thumb)

See Latches, Gate

7244—Latches (Water Closet)

Brewer Bros. Co., 2743 N. 2nd, Phila., Pa.
Corbin P. & F., New Britain, Conn.
Ives H. B. Co., New Haven, Conn.
Russell & Erwin Mfg. Co., New Britain, Conn.

7245-6—Lath Binders & Trimmers

American Sawmill Machinery Co., Hackettstown, N. J.
Butterworth & Lowe (Combined), Grand Rapids, Mich.
Chase Turbine Mfg. Co., Orange, Mass.
Concrete Steel Co., 42 Broadway, New York
Diamond Iron Works, 2nd & 18th, Av N, Minneapolis, Minn.
Filer & Stowell Co., Milwaukee, Wis.
Garland M. Co., Bay City, Mich.
Hall & Brown Wood Working Machine Co., 1911 N Broadway, St. Louis, Mo.
Lane Mfg. Co., Montpelier, Vt.
Lyon Iron Works, Greene, N. Y.
Murray D. J. Mfg. Co., Wausau, Wis.
Phoenix Mfg. Co. (Lath Bundler), Eau Claire, Wis.
Standard Saw Mill Machy. Co., Erie, Pa.
Western Foundry Co. ("Peterman"), 626 Hood, Portland, Ore.
Wickes Bros., Saginaw, Mich.
See adv index at end of book

7247—Lath (Expanded Metal)

American Sheet & Tin Plate Co. ("Cambridge Rigid Reversible"), Frick bldg, Pittsburgh, Pa.
Berger Mfg. Co. ("B. B." & "Ribflex" Ribbed), 1038 Belden av, Canton, O.
Boston Metal Ceiling & Mfg. Co., 27 Haymarket sq, Boston, Mass.
Bostwick Steel Lath Co. ("Bostwick" Truss Loop, Painted & Galvanized), Niles, O.
Brooklyn Metal Ceiling Co. ("Brooklyn"), 287 Greene av, Brooklyn, N. Y.
Burton W. J. Co., 5650 Federal, Detroit, Mich.
Concrete Products Co., Kansas City, Mo.
Concrete Steel Co., 42 B'way, New York
Consolidated Expanded Metal Co. ("Steelcrete"), Braddock, Pa.
Corrugated Bar Co., Mutual Life bldg, Buffalo, N. Y.
Dexter Metal Mfg. Co., 93 Arch, Camden N. J.
Eastern Expanded Metal Co., 65 Franklin, Boston, Mass.
Expanded Metal Engineering Co., 523 W 33rd, New York
Garden City Sand Co., Chamber of Commerce bldg, Chicago, Ill.
GENERAL FIREPROOFING CO. (THE), ("Herringbone" "Key"), 2308 Logan av, Youngstown, Ohio
See adv index at end of book
Goldsmith Metal Lath Co. ("Shurbond"), 53 Central av, Cincinnati, O.
Halloway Expanded Metal Co., 515 2d, San Francisco, Cal.
Hastings Foundry & Iron Works, Hastings, Neb.
Horner & Co. (Steel or Iron), Oliver bldg, Pittsburgh, Pa.
Hunkins-Willis Lime & Cement Co. (Dirs.), Century bldg, St. Louis, Mo.
IGOE BROTHERS (& Perforated Metals), 61-73 Metropolitan av, Brooklyn, N. Y.
See adv index at end of book
KALMAN STEEL CO., 410 N. Michigan av, Chicago, Ill.
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
Meurer Geo. C. Co., 22 Clay, Brooklyn, N. Y.
Milwaukee Corrugating Co. ("Netmesh" "Stay-Rib"), 35th & Burnham, Milwaukee, Wis.
Moss J. E. Iron Wks., Wheeling, W. Va.
New Jersey Wire Cloth Co., Trenton, N. J.
See adv index at end of book
North Western Expanded Metal Co. ("Longspan," "Kno Burn," "X X Century," "Eureka," "Kno Fur"), 1220 Old Colony bldg, Chicago, Ill.
Orleans Steel Products Co. Inc., 1021 Bienville, New Orleans, La.
Penn Metal Ceiling & Roofing Co. Ltd. ("American" & "Penn"), 23d & Hamilton, Phila., Pa.
Penn Metal Co. ("Penco," "Hampton," "Penn," "Eastern"), 65A Franklin, Boston, Mass.
Pig Tail Staple Co. ("Pigtail" Metal Furring Staples), 519 California, San Francisco, Cal.
Porter Iron Roofing & Corrugating Co., 418 Culvert, Cincinnati, O.
Reeves Mfg. Co., Dover, O.
Ryerson Jos. T. & Son, Inc., 2558 W. 16th, Chicago, Ill. *See adv index at end of book*
Scott Roofing & Mfg. Co., 403 Culvert, Cincinnati, O.
Southern Steel Products Co., H, Va. Railway & Power bldg, Richmond, Va.
Special Service Flooring Corp., 2009 Grand Terminal, New York
Sykes Metal Lath & Roofing Co. ("Sykes"), 504 Walnut, Niles, Ohio
Truscon Steel Co. (Hy, Rib & Rib Lath), Youngstown, O.
Virginia Steel Supply Co., Inc. (Dirs.), 17th & Dock, Richmond, Va.
Wheeling Corrugating Co. ("Crescent"), Wheeling, W. Va.

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Youngstown Pressed Steel Co. ("Ideal" & "Mahoning"), Warren, O.
See adv index at end of book

7248— Lath (Metal)

Youngstown Pressed Steel Co., Warren, O.
See adv index at end of book

7249— Lath Mills & Bolters

Adams S. & Son (Lath Mills only), Rome, N. Y.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Sawmill Machinery Co. ("American"), Hackettstown, N. J.
American Woodworking Machinery Co., Rochester, N. Y.
Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Butterworth & Lowe (Combination), Grand Rapids, Mich.
Chase Turbine Mfg. Co., Orange, Mass.
Conner J. W. & Son (Combined), Orangeville, Pa.
Diamond Iron Works, 2nd & 18th Av N, Minneapolis, Minn.
Filer & Stowell Co., Milwaukee, Wis.
Garland M. Co., Bay City, Mich.
Hall & Brown Woodworking Machine Co., 1911 N Broadway, St. Louis, Mo.
Howell R. R. & Co., 31st av, Minneapolis, Minn.
Kline Lewis T., Alpena, Mich.
Knight Mfg. Co., Canton, Ohio.
Lane Mfg. Co. (Combination), Montpelier, Vt.
Lyon Iron Works (Gang), Greene, N. Y.
Moltz Jacob J. (Combined), Williamsport, Pa.
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Newman Machine Co., Greensboro, N. C.
Phoenix Mfg. Co., Eau Claire, Wis.
Smith H. B. Machine Co., Smithville, N. J.
Standard Saw Mill Machinery Co., Erie, Pa.
Union Iron Works, Bangor, Me.
United States Machine Co. (Combined or Separate), Williamsport, Pa.
Wheland Co. (Combined), W Side & 27th av, Chattanooga, Tenn.
Wickes Bros., Saginaw, Mich.
See adv index at end of book

7250— Lath (Oblong Mesh)

Consolidated Expanded Metal Co.'s (Designated A & B), Braddock, Pa.

7251— Lath (Wire)

BUFFALO WIRE WORKS CO., 453 Terrace, Buffalo, N. Y.
See adv index at end of book
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
MICHIGAN WIRE CLOTH CO., 2100 Howard, Detroit, Mich.
See adv index at end of book
New Jersey Wire Cloth Co. ("Jersey"), Trenton, N. J.
See adv index at end of book
Pigtail Staple Co. ("Pigtail" Metal Furring Staples), 519 California, San Francisco, Cal.
Roebling's John A. Sons Co. ("Roebling"), Trenton, N. J.
See adv index at end of book
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Smith T. S. 269 Pearl, New York
Wickwire Spencer Steel Corp. ("Clinton"), 41 E 42nd, New York
See adv index at end of book

7251a— Lath (Wood)

Serfas Lumber Co., Drake bldg, Easton, Pa.

7251b—Lath Work (Contract)

Wallace Supplies Mfg. Co., 1312 Diversey pkwy, Chicago, Ill.

7252— Lath & Picket Mills

Abbott Machine Co., Olean, N. Y.
Adams S. & Son, Rome, N. Y.
American Woodworking Machinery Co., Rochester, N. Y.
Butterworth & Lowe, Grand Rapids, Mich.
Chase Turbine Mfg. Co., Orange, Mass.
Eastman-Gardiner & Co. (Lath), Laurel, Miss.
Filer & Stowell Co., Milwaukee, Wis.
Flexo Common Lath Co. ("Flexo" Patented Lath), Bartlett bldg, Los Angeles, Cal.
Garland M. Co., Bay City, Mich.
Howell R. R. & Co., 31st av, Minneapolis, Minn.
Kenyon Lumber Co., Sandy Hill, N. Y.
Kline Lewis T., Alpena, Mich.
Lane Mfg. Co. (Lath), Montpelier, Vt.
Murray D. J. Mfg. Co., Wausau, Wis.
Phoenix Mfg. Co., Eau Claire, Wis.
St. Croix Paper Co., 244 Washington, Boston, Mass.
Smith H. B. Machine Co., Smithville, N. J.
Union Iron Works, Bangor, Me.
West Virginia Lumber Co., First National Bk. bldg, Pittsburgh, Pa.
Wickes Bros., Saginaw, Mich.
See adv index at end of book

7253— Lathes (All Kinds)

Booth & Boyd Lbr. Co., Saginaw, Mich.
Gisholt Machine Co. (20 "Automatic," "Simplimatic"), 13156 Washington, Madison, Wis.
McCabe J. J. Lathe & Machy. Corp. ("All In"), 149 B'way, New York
MANNING MAXWELL & MOORE, INC. 100 E 42nd, New York
See adv index at end of book
NILES-BEMENT-POND CO., 111 B'way, New York *See adv index at end of book*
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Reed Prentice Co., 677 Cambridge, Worcester, Mass.
Rockford Machine Tool Co. ("Rockford" Semi Automatic), Kishwaukee rd, & 23rd av, Rockford, Ill.
Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.
Watson Mfg. Co. ("Baby Grand"), 2467 Albion, Toledo, Ohio
Wright, David A., Inc., Jefferson & Monroe, Chicago, Ill.
Zelnicker Walter Supply Co. (Dealer), 325 Locust, St. Louis, Mo.

7253a—Lathes (Automatic Wood Turning)

Estes E. B. & Sons, 364 Fifth av, New York
See adv index at end of book

Lathes (Axe Handle)

See Lathes, Handle Turning

7254—Lathes (Axle Turning)

Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Defiance Machine Works, Defiance, O.
Fitchburg Machine Works ("Lo Swing"), Fitchburg, Mass.
Johnson Israel H. Jr. Co., 337 N 15th, Phila., Pa.
MANNING MAXWELL & MOORE, INC. (Axle), 100 E 42nd, New York
See adv index at end of book
Niles-Bement-Pond Co., 111 B'way, New York
See adv index at end of book
Sellers Wm. & Co., 1600 Hamilton, Philadelphia, Pa.
Wright David A., Inc., Jefferson & Monroe, Chicago, Ill.

7255—Lathes (Backing-Off or Relieving)

Clark-Mesker Co., 18511 Euclid av, Cleveland, Ohio.
Rivett Lathe & Grinder Co. ("Rivett"), Dept. H, Faneuil Station, Boston, Mass.

Lathes (Ball Turning)

See Lathes, Variety Turning

7256— Lathes (Barrel)

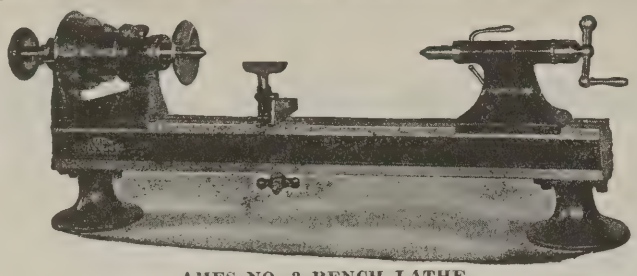
Oram John S. Co. (Barrel Turning), 5240 Hamilton av, Cleveland, O.
Strait H. N. Mfg. Co., Kansas City, Kans.

7257— Lathes (Bench)

AMES B. C. CO. ("Ames" For Work up to 1 inch), North Station, Waltham, Mass. *See adv index at end of book*
Barnes W. F. & John Co., Dept. H, Rockford, Ill.
Dalton Mfg. Corp., Sound Beach, Conn.
Diamond Machine Co. ("Diamond"), Providence, R. I.
Edwards W. W., 716 N Main, Los Angeles, Cal.
Elgin Tool Works Inc. ("Elgin"), Elgin, Ill.
Flather Mfg. Co., Nashua, N. H.
Garvin Machine Co., 147 Varick, New York
Goodell-Pratt Co. (Amateur), Greenfield, Mass.
Greenfield Tap & Die Corp. ("Wells"), Greenfield, Mass.
Hardinge Bros., Inc. (Precision), 1770 Berteau av, Chicago, Ill.
Hjorth Lathe & Tool Co. (Precision), 10 Tremont, Boston, Mass.
McWilliams Mfg. Co., 237 Eddy, Providence, R. I.
Moseley Lathe Co., Elgin, Ill.
Oliver W. W. Mfg. Co., 1483 Niagara, Buffalo, N. Y.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Rivett Lathe & Grinder Co. ("Rivett"), 2 Brooks, Brighton, Boston, Mass.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago
See adv index at end of book
Sloan & Chase Mfg. Co. (Ltd.) (& Attachments), 351 6th av, Newark, N. J.
South Bend Lathe Works, Dept. H, 425 E Madison, South Bend, Ind.
Stark Tool Co. ("Stark" Machinists'), Waltham, Mass.
Van Norman Machine Tool Co. (Machinists), Springfield, Mass.
Wade American Tool Co. ("Wade" Precision), Waltham, Mass.
Welch T. F. Co., 55 Sudbury, Boston, Mass.
Wright David A., Inc., Jefferson & Monroe, Chicago, Ill.

Lathes (Bobbin)

See Spool & Bobbin Machinery



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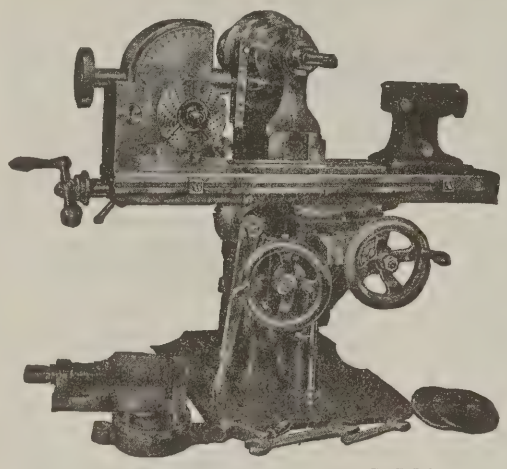
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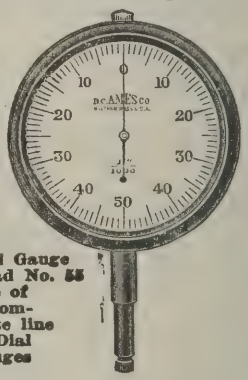
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7258—Lathes (Bolt & Stud)

See also Lathes, Turret

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7259—Lathes (Brass Finishers')

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Bardons & Oliver, Cleveland, O.
Cincinnati Lathe & Tool Co., North & Oakley, Cincinnati, O.
Dreses Machine Tool Co., Cincinnati, O.
Foster Machine Co., Elkhart, Ind.
Grabo E. O. Machine Works, 180 Centre, New York
Johnson Israel H. Jr. Co., 337 N 15th, Phila., Pa.
Le Blond R. K. Machine Tool Co., Cincinnati, O.
Rivett Lathe & Grinder Co. ("Rivett"), Dept. H, Faneuil Station, Boston, Mass.
Springfield Machine Tool Co., Springfield, Ohio
Warner & Swasey Co., 5809 Carnegie av, Cleveland, O.

Lathes (Broom Handle Turning)

See Broom Handle Machinery; also Lathes, Handle Turning

7260—Lathes (Buffing & Polishing)

Acme Mfg. Co. (Automatic Machines for Reflectors), 1647 Howard, Detroit, Mich.
Astle H. J. & Co. ("Boland"), 118 Orange, Providence, R. I.
Automatic Buffing Machine Co., 56 Indiana, Buffalo, N. Y.
Badger Tool Co., Beloit, Wis.
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Bennett-O'Connell Co., 3600 S Morgan, Chicago, Ill.
BRIDGEPORT SAFETY EMERY WHEEL CO. ("Bridgeport Safety"), 88 Knowlton, Bridgeport, Conn.
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Builders' Iron Foundry ("Builders"), 9 Codding, Providence, R. I.
Crown Rheostat & Supply Co., 15 S Desplaines, Chicago, Ill.
Diamond Machine Co. ("Diamond"), Providence, R. I.
Dixon Wm. (Jewelers), 119 Fulton, New York
Eager Elec. Co. (Ball Bearing), Watertown, N. Y.
Evans Jno. Sons, 506 N 13th, Phila., Pa.
Excelsior Tool & Machine Co. (Automatic), 32nd & Ride, E St. Louis, Ill.
GARDNER MACHINE CO ("Gardner"), Thompson st, Beloit, Wis.
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Globe Elec. Co., 6340 Stony Island av, Chicago, Ill.
Goodell-Pratt Co., Greenfield, Mass.
Grabo E. O. Machine Works, 180 Centre, New York
Hanson & Van Winkle Co., 269 Oliver, Newark, N. J.
L'Hommedieu Chas. F. & Sons, 4521 Ogden av, Chicago, Ill.
Middleditch Benj., Detroit, Mich.
Mitchell Engineering Co., Springfield, O.
Mueller Mach. Co., Trenton, N. J.
Noble & Westerbrook Mfg. Co., Hartford, Conn.
Oliver Machy. Co., Grand Rapids, Mich.
Oliver W. W. Mfg. Co., 1483 Niagara, Buffalo, N. Y.
Racine Universal Motor Co., 4642 Ravenswood, Chicago, Ill.
Roth Bros. & Co., 1400 W Adams, Chicago, Ill.
Safety Emery Wheel Co., Springfield, O.
Springfield Mfg. Co., Bridgeport, Conn.
STEVENS FREDERIC B., INC., 3rd & Larned, Detroit, Mich.
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Stow Flexible Shaft Co., 26th & Callowhill, Phila., Pa.
Tanite Co., Stroudsburg, Pa.
U. S. Electric Mfg. Co., 300 S Central av, Los Angeles, Cal.
Valley City Machine Works, Grand Rapids, Mich.

7261—Lathes (Car & Driving Wheel)

Consolidated Mach. Tool Corp. of Amer., (for Driving Wheel), Rochester, N. Y.
See adv index at end of book
McCabe J. J. Lathe & Machy. Corp., 149 B'way, New York
MANNING MAXWELL & MOORE, INC. (Driving Wheel), 100 E 42nd, New York
See adv index at end of book
Niles-Bement-Pond Co., 111 B'way, New York
See adv index at end of book
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.

Lathes (Carving)

See Wood Carving Machines

Lathes (Chasing)

See Lathes, Brass Finishers'

Lathes (Chucking)

See Chucking Machinery

Lathes (Crank Pin)

See Crank Pin Turning Machine

7261a—Lathes (Crank Shaft Turning)

Hamilton Machine Tool Co., Hamilton, Ohio
Le Blond R. K. Machine Tool Co., Madison & Edwards rd, Cincinnati, Ohio
WICKES BROS., Saginaw, Mich.
See adv index at end of book

7262— Lathes (Cutting Off)

Cincinnati Lathe & Tool Co., North & Oakley, Cincinnati, O.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Hurlbut-Rogers Machinery Co., South Sudbury, Mass.
Le Blond R. K., Machine Tool Co., Cincinnati, O.
Niles-Bement-Pond Co., 111 B'way, New York
See adv index at end of book
Thompson Machinery Co., Union Arcade, Pittsburgh, Pa.

7263—Lathes (Die Reaming)

Morgan Construction Co., Worcester, Mass.

Lathes (Drill)

See Lathes, Hand & Drilling

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See Lathes, Car & Driving Wheel

7264— Lathes (Engine)

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Advance-Rumeley Co., Laporte, Ind.
American Tool Works Co., Cincinnati, O.
Axelson Machine Co. ("Axelson," 16", 18" & 24"), Boyle av, Los Angeles, Cal.
Barker Wm. & Co., Covington, Ky.
Barnes Drill Co., Rockford, Ill.
Barnes W. F. John Co., 301 S Water, Rockford, Ill.
Bell Elec. Motor Co. ("Bell" Heavy Duty, 18 in.), Garwood, N. J.
Boye & Emmes Machine Tool Co., 2245 Spring Grove av, Cincinnati, O.
Bradford Machine Tool Co. (14 to 42-inch Swing), Cincinnati, O.
Buckeye Drill & Lathe Co., Marion rd, Columbus, Ohio
Burton Engng. & Machinery Co., Spring Grove av, Cincinnati, O.
Carroll Jamieson Machine Tool Co. (14-inch Quick Change), Batavia, O.
Champion Blower & Forge Co. ("Lancaster"), Lancaster, Pa.
Champion Tool Works Co., Div. Acme Machine Tool Co. (12 to 18 in. Swing Screw Cutting), 4955 Spring Grove av, Cincinnati, O.
Chard Lath Co., New Castle, Ind.
Cincinnati Lathe & Tool Co., North & Oakley, Cincinnati, O.
Cisco Machine Tool Co., Cincinnati, O.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Dalton Mfg. Corp., Sound Beach, Conn.
Davenport Locomotive Wks., Davenport, Ia.
Davis C. F. Machine Co., Inc., 133 Andrews, Rochester, N. Y.
Driggs Ordnance & Mfg. Corp. ("New Haven"), 50 Whitney av, New Haven, Conn.
Fay & Scott, Dexter, Maine.
Flather Mfg. Co. (Screw Cutting, etc, 12 to 28-inch Swing), Nashua, N. H.
Fulton Mach. Tool Co., 1525 Dayton, Chicago, Ill.
Grammes L. F. & Sons, 311 Union, Allentown, Pa.
See adv index at end of book
Greaves Machine Tool Co. ("Greaves" Geared Head), 2116 Colerain av, Cincinnati, O.
Hamilton Machine Tool Co. (14 to 48-inch), Hamilton, O.
Hendey Machine Co. ("Hendey"), 12 to 24-inch Swing, Belt-Cone & All Geared Drives, English & Metric Thread Cutting, Belt & Motor Driven), Torrington, Conn.
Hollingswarth Machine Tool Co., Covington, Ky.
Holmes Chas. Leather Working Machinery Co., Cambridge, Mass.
Houston Stanwod & Gamble Co., 3rd & Philadelphia, Cincinnati, O.
Johnson Israel H. Jr. Co., 337 N 15th, Phila., Pa.
Jones & Lamson Mach. Co. ("Fay"), Springfield, Vt.
Lehmann Machine Co. ("Lehmann's" Geared Head), 3560 Chouteau, St. Louis, Mo.
Leland-Gifford Co., Worcester, Mass.
Lodge & Shipley Machine Tool Co., 3055 Colerain av, Cincinnati, O.
McCabe J. J. Lath & Machinery Corp., 149 B'way, New York
Mann Chas. A., 166 Doyle av, Providence, R. I.
MANNING MAXWELL & MOORE, INC. 100 E 42nd, New York
See adv index at end of book
Meier J. J. Machinery Co., 3412 Woolworth bldg, New York
Monarch Machine Tool Co. ("Monarch"), 10 to 30 in., Sidney, O.
MYERS MACHINE TOOL CORP. ("Myers"), Columbia, Pa.
National Engineering & Tool Works, Oak Park, Ill.
National Lathe Co. 15 W 2d, Cincinnati, Ohio
NILES-BEMENT-POND CO., 111 Broadway, New York
See adv index at end of book
Ober Mfg. Co., Chagrin Falls, O.
Oliver Machinery Co., Grand Rapids, Mich.
Pittsburgh Machine Tool Co. (Heavy, 27 to 76, 27 to 84), Braddock, Pa.
PORTER CABLE MACHINE CO., THE, (Tool Room and Production. Precision and Quantity output), 708 N Salina, Syracuse, N. Y.
See adv index at end of book
Porter Machine Works, Hatfield, Mass.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Rahn-Larmon Co., Cincinnati, O.
Reed Hardware & Mfg. Co. (Screw Cutting), Cairo, Ill.
Reed-Prentice Co. 12 to 27 inch Geared Head; 12 to 24 inch Cone Head), 677 Cambridge, Worcester, Mass.
Robbins Machine Co. (12, 14 & 15-inch Swing), 42 Lagrange, Worcester, Mass.
Rockford Lathe & Drill Co., Rockford, Ill.
Rockford Tool Co. (15-inch "Sundstrand" 16-inch Tool Room 9-inch mfg. 16-inch Single Purpose), Rockford, Ill.
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Smith Phillip Mfg. Co. ("Filsmith"), Sidney, O.
South Bend Lathe Works, South Bend, Ind.
Springfield Machine Tool Co. ("Ideal" 14, 16 & 18 in. Swing), Springfield, O.
United States Lathe & Machine Co. **(Screw Cutting), Cincinnati, O.**
Walcott Lathe Co. (14 to 36 inch Swing), Jackson, Mich.
Westlund C. G. Co. **("Westlund" 16 & 20-inch Swing, Single & Double Back), 498 Millbury, Worcester, Mass.**
WICKES BROS., Saginaw, Mich.
See adv index at end of book
Worcester Lathe Co. ("Worcester"), 100 Beacon, Worcester, Mass.
Wright David A., Inc., 601 W Monroe, Chicago, Ill.
Zelnicker Walter Supply Co. (Dealer), 325 Locust, St. Louis, Mo.

7265-6—Lathes (Extension Gap)

Barnes Drill Co., Rockford, Ill.
Fay & Scott, Dexter, Me.
Harrington Edwin Son & Co., 17th & Callowhill, Phila., Pa.
Johnson I. H. Jr. Co., 337 N 15th, Phila., Pa.
Manning, Maxwell & Moore, Inc., 100 E 42nd, New York
See adv index at end of book
Rahn-Larmon Co., Cincinnati, O.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago

Lathes (Face)

See Lathes, Pattern Makers'

7267— Lathes (Foot Power)

Barnes W. F. & John Co., Rockford, Ill.
Dalton Mfg. Corp., Sound Beach, Conn.
Mann Chas A., 166 Doyle av, Providence, R. I.
Purdy Chester (9 & 10 Swing), Ghent, O.
Sebastian Lathe Co., 3rd & Philadelphia, Covington, Ky.
Shepard Lathe Co. (Turret), Canal & Jackson, Cincinnati, O.

7268—Lathes (For Turning Sugar Cane Rolls)

Blymer Iron Works Co., Cincinnati, O.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
McCabe J. J. Lathe & Machy. Corp., 149 B'way, New York
Wickes Bros., Saginaw, Mich.
See adv index at end of book

Lathes (Forging)

See Lathes, Engine.

7269— Lathes (Forming)

Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Dreses Machine Tool Co., Cincinnati, O.
Meriden Machine Tool Co., Meriden, Conn.
Niles-Bement-Pond Co., 111 B'way, New York
See adv index at end of book

Lathes (Fox Monitor)

See Lathes, Brass Finishers

Lathes (Gap)

See Lathes, Engine.

7270— Lathes (Gauge)

American Woodworking Machinery Co., Rochester, N. Y.
Fay J. A. & Egan Co., Cincinnati, O.
Goodspeed Machine Co., Winchenden, Mass.
Smith H. B. Machine Co. (Brown & Howe's Automatic), Smithville, N. J.
Trevor Mfg. Co., Lockport, N. Y.
Whitney Baxter D. & Son Inc. (Black Knife), Winchendon, Mass.

Lathes (Granite Column)

See Machinery, Stone Polishing

Lathes (Granite Polishing)

See Machinery, Stone Polishing; also Lathes Stone Polishing

7271— Lathes (Grinding)

Globe Electric Co., 6340 Stony Island av, Chicago, Ill.
Tindel Morris Co. ("Tindel Allbrecht"), Eddystone, Pa.

7272— Lathes (Gun Stock)

Gilman & Son, Springfield, Vt.
Kimball Bros. & Sprague Inc., 157 Centre, Brockton, Mass.

7273—Lathes (Gun Turning & Boring)

See also Gun Barrel Turning Machines
Cincinnati Lathe & Tool Co., North & Oakley, Cincinnati, O.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Elyria Mach. Co., Elyria, O.
Houston, Stanwood & Gamble Co., 3rd & Philadelphia, Cincinnati, O.
Johnson I. H. Jr. Co., 337 No 15th, Phila., Pa.
Niles-Bement-Pond Co., 111 B'way, New York
See adv index at end of book
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
Warren Mach. Prods. Co., Warren, Pa.
Wickes Bros., Saginaw, Mich.
See adv index at end of book
Wright David A., Inc. (Boring), Jefferson & Monroe, Chicago, Ill.

7274—Lathes (Hand & Drilling)

Barnes W. F. & John Co., Dept. H, Rockford, Ill.
Dreses Machine Tool Co., Cincinnati, O.
Johnson Israel H. Jr. Co., 337 N 15th, Phila., Pa.
Mann Chas. A., 166 Doyle av, Providence, R. I.
Meriden Machine Tool Co., Meriden, Conn.
Niles-Bement-Pond Co, 111 Broadway, New York
See adv index at end of book
Oliver W. W. Mfg. Co. (Foot & Power), 1483 Niagara Buffalo, N. Y.
Reed-Prentice Co., 677 Cambridge, Worcester, Mass.
Whitcomb, Blaisdell Machine Tool Co. 677 Cambridge, Worcester, Mass.

7275—Lathes (Handle Turning)

American Wood Working Machinery Co., Rochester, N. Y.
Defiance Machine Works (Hammer, Hatchet & Canthook), Defiance, O.
Empire Machine Works, Mount Morris, N. Y.
Fay J. A. & Egan Co., Cincinnati, O.
Gerlach Peter Co. (Automatic for Turning & Boring for Pail, Tool & Other Short Handles), 1712 Winter, Cleveland, O.
Kline Lewis T. (Automatic Broom Handle, etc), Alpena, Mich.
Klotz Machine Co., Sandusky, O.
Ober Mfg. Co., Chagrin Falls, O.
Pringle & Brodie, 566 Polk, Chicago, Ill.
Smith H. B. Machine Co., Smithville, N. J.
Trevor Mfg. Co., Lockport, N. Y.
Waymoth A. D. & Co., Fitchburg, Mass.

7276—Lathes (Hard Rubber)

Adamson Machine Co., Akron, O.
Smith James M. (For Hard Rubber Turning), Seymour, Conn.

7277— Lathes (Hat Block)

Gilman & Son, Springfield, Vt.

Lathes (Ingot)

See Lathes, Engine

7278— Lathes (Insulator)

Defiance Machine Works (Turning & Threading), Defiance, O.

7279— Lathes (Jar Ring)

Adamson Machine Co., Akron, O.
Thropp Wm. R. & Sons Co. (Automatic), Trenton, N. J.

7280— Lathes (Journal Truing)

Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Niles-Bement-Pond Co. (Automatic), 111 Broadway, New York
See adv index at end of book

7281— Lathes (Knurling)

Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

7282-3—Lathes (Laboratory)

Bowers Machine Co., Lancaster, Pa.
Cincinnati Lathe & Tool Co., North & Oakley, Cincinnati, O.
RITTER DENTAL MFG. CO., INC. ("Ritter" Electric), Rochester, N. Y.
Rivett Lathe & Grinder Co. ("Rivet"), Dept. H, Faneuil Station, Boston, Mass.

7284— Lathes (Last)

Gilman & Son, Springfield, Vt.
Kimball Bros. & Sprague (Blocks & Turning), Brockton, Mass.

7285—Lathes (Manual Training)

Blount J. G. Co., Everett, Mass.
Cincinnati Lathe & Tool Co., North & Oakley, Cincinnati, O.
Greenfield Tap & Die Corp. ("Wells"), Greenfield, Mass.
Hall & Brown Wood Working Machine Co., 1911 N Broadway, St. Louis, Mo.
National Woodworking Machine Co., Dover, N. H.
Oliver Machinery Co., Grand Rapids, Mich.
Rivett Lathe & Grinder Co. ("Rivett"), Dept. H, Faneuil Station, Boston, Mass.
South Bend Lathe Works, 425 E Madison, South Bend, Ind.

Lathes (Marble Turning)

See Stone Sawing Machinery

Lathes (Metal Spinning)

See Lathes, Spinning

Lathes (Monitor)

See Lathes, Turret

Lathes (Neck-Yoke & Single-Tree)

See Neck Yoke & Singletree Machinery

Lathes (Oil Groove Cutting)

See Spiral Oil Grooving Machines

7286—Lathes (Optical Grinding)

Carr Jos. Co. (Also Discs), 132 N 7th, Phila., Pa.
Potter S. A. Tool & Mach. Wks., 79 E 130th, New York

7287-8—Lathes (Pattern Makers)

American Wood Working Machinery Co., Rochester, N. Y.
Blount J. G. Co. (Set-Over Swivel Tailstock, etc), Everett, Mass.
Cordesman Rechtin Co., 215 Butler, Cincinnati, O.
Defiance Machine Works, Defiance, O.
Fay J. A. & Egan Co., Cincinnati, O.
Fay & Scott, Dexter, Me.
Hall & Brown Wood Working Machine Co., 1911 N Broadway, St. Louis, Mo.
Jones Superior Machine Co., 1264 W North av, Chicago, Ill.
Oliver Machinery Co. (Face), Grand Rapids, Mich.
Partridge E. O., 2039 W Lake, Chicago, Ill.
See adv index at end of book
Porter C. O. Machinery Co. ("Porter" & Cabinets), 566 Front av, Grand Rapids, Mich.
Porter-Cable Machine Co. (The), 708 N Salina, Syracuse, N. Y.
See adv index at end of book
Purdy Chester, Ghent, O.
Robbins Machine Co., 42 Lagrange, Worcester, Mass.
Sidney Machine Tool Co., Sidney, O.
Valley City Machine Works, Grand Rapids, Mich.
Victor Machine & Lbr. Co., Inc., Buffalo, N. Y.

Lathes (Polishing)

See Lathes, Buffing & Polishing

7289— Lathes (Precision)

See also Lathes, Watchmakers
AMES B. C. CO ("Ames" Bench), North Station, Waltham, Mass.
See adv index at end of book
Bradford Machine Tool Co., 657 Evans, Cincinnati, O.
Cleveland Machinery & Supply Co., Union bldg, Cleveland, O.
Dalton Mfg. Corp., Sound Beach, Conn.
Elgin Tool Works (Bench), Elgin, Ill.
Flather Mfg. Co., Nashua, N. H.
Goodell-Pratt Co., Greenfield, Mass.
Hardinge Bros., Inc., 1770 Berteau av, Chicago, Ill.
Hjorth Lathe & Tool Co. (Bench), 10 Tremont, Boston, Mass.
Potter S. A. Tool & Machine Wks. ("Potter"), 77 E 130th, New York
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Rivett Lathe & Grinder Co., 2 Brooks, Brighton, Boston, Mass.
Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.
Stark Tool Co. ("Stark" Bench), Waltham, Mass.
Wade American Tool Co. (Screw Cutting), 311 Atlantic av, Boston, Mass.

Lathes (Projectile Boring & Turning)

See Lathes, Gun Turning & Boring

7289a— Lathes (Production)

Porter-Cable Machine Co., The, 708 N Salina, Syracuse, N. Y.
See adv index at end of book
WICKES BROS., Saginaw, Mich.
See adv index at end of book

7290-1-2—Lathes (Pulley Turning)

American Tool Works Co., Cincinnati, O.
Avey Drilling Machine Co. ("Street"), Covington, Ky.
Cincinnati Lathe & Tool Co., North & Oakley, Cincinnati, O.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Jones & Lamson Mach. Co. ("Fay" Automatic), Springfield, Vt.
Wright David A., Inc., Jefferson & Monroe, Chicago, Ill.

7293—Lathes (Roll Turning)

See also Machinery, Rolling Mill
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Cincinnati Lathe & Tool Co., Oakley, Cincinnati, O.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Fulton Iron Works Co. (Sugar Mill), 1259 Delaware av, St. Louis, Mo.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Houston, Stanwood & Gamble Co., 3rd & Philadelphia, Cincinnati, O.
Hyde Park Foundry & Machine Co., Hyde Park, Pa.
Lewis Foundry & Machine Co., Farmers Bank bldg, Pittsburgh, Pa.
McCabe J. J. Lathe & Machy. Corp., 149 B'way, New York
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
Morgan Construction Co., Worcester, Mass.
National Roll & Foundry Co., Avonmore, Pa.
Phila. Roll & Machine Co., 52d & Grays av, Phila., Pa.
United Engineering & Foundry Co., Farmers Bk. bldg., Pittsburgh, Pa.
Youngstown Foundry & Machine Co., Youngstown, O.

7294— Lathes (Roughing)

Boye & Emmes Machine Tool Co., 2245 Spring Grove av, Cincinnati, O.
Cincinnati Lathe & Tool Co., North & Oakley, Cincinnati, O.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Houston, Sanwood & Gamble Co., 3rd & Philadelphia, Cincinnati, O.
Manning, Maxwell & Moore, Inc., 100 E. 42nd, New York
See adv index at end of book

7294a—Lathes (Rubber Cutting)

Crossley Machine Co. (For Fruit Jar Rubbers), State & Chestnut av, Trenton, N. J.

7295—Lathes (Screw Cutting)

See also Lathes, Engine; also Lathes, Turret; also Screw Machines
American Tool Works Co. (Screw-Cutting Engine), Cincinnati, O.
Automatic Machine Co. (Automatic for Worms & Screws), 113 E Washington, Bridgeport, Conn.
Barker Wm. & Co., Wheeler & Pleasant av, Covington, Ky.
Barnes W. F. & John Co. (Foot Power), Rockford, Ill.
Bradford Machine Tool Co., Cincinnati, O.
Champion Blower & Forge Co. ("Lancaster"), Lancaster, Pa.
Cincinnati Lathe & Tool Co., North & Oakley, Cincinnati, O.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Driggs Ordnance & Mfg. Corp. ("New Haven"), 50 Whitney av, New Haven, Conn.
Fay & Scott, Dexter, Me.
Flather & Co., Nashua, N. H.
Greaves Machine Tool Co., 2116 Colerain av, Cincinnati, Ohio
Hamilton Machine Tool Co., Hamilton, O.
Hendey Machine Co. ("Hendey" for Precision Screw Cutting), Torrington, Conn.
Johnson I. H. Jr. Co., 337 N 15th, Phila., Pa.
Jones & Lamson Mach. Co. ("Hartness" Hand), Springfield, Vt.
Le Blond R. K. Machine Tool Co., Cincinnati, O.
Lodge & Shipley Machine Tool Co., 3055 Colerain, Cincinnati, O.
McCabe J. J. Lathe & Machy. Corp., 149 B'way, New York
Mann Chas. A., 166 Doyle av, Providence, R. I.

Manning, Maxwell & Moore, Inc., 100 E 42nd, New York
See adv index at end of book
Millholland Sales & Eng'g Co., 1115 E 35th, Indianapolis, Ind.
Monarch Machine Tool Co. ("Monarch"), Sidney, O.
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*
Ober Mfg. Co., Chagrin Falls, O.
Oliver Machinery Co., Grand Rapids, Mich.
Rahn-Larmon Co., Cincinnati, O.
Reed-Prentice Co. (12 to 27 inch Rapid Production), 677 Cambridge, Worcester, Mass.
Rivett Lathe & Grinder Co. ("Rivett"), Dept. H, Faneuil Station, Boston, Mass.
Rockford Lathe & Drill Co. (Automatic), Rockford, Ill.
Sebastian Lathe Co. (Foot), 3rd & Philadelphia, Covington, Ky.
Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.
South Bend Lathe Works (13-15-16-18-21 & 24-in.), South Bend, Ind.
Stark Tool Co. ("Stark" Chasing), Waltham, Mass.
Westlund C. G. Co. ("Westlund"), 498 Millbury, Worcester, Mass.
Wickes Bros., Saginaw, Mich.
See adv index at end of book

7296—Lathes (Shaft Turning)

American Tool Works Co., Cincinnati, O.
Cincinnati Lathe & Tool Co., North & Oakley, Cincinnati, O.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Fitchburg Machine Works ("Lo Swing"), Fitchburg, Mass.
Greenlee Bros. & Co. (Double End Center Drive), 12th, Rockford, Ill.
Houston, Stanwood & Gamble Co., 3rd & Philadelphia, Cincinnati, O.
Johnson I. H. Jr. Co., 337 N 15th, Phila., Pa.
Le Blond R. K. Machine Tool Co., Cincinnati, O.
Lodge & Shipley Machine Tool Co., 3055 Colerain, Cincinnati, O.
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*
Springfield Machine Tool Co., Springfield, Ohio
Tindel, Morris Co. ("Tindel Albrecht," Crank-Shaft, etc), Eddystone, Pa. & Ellwood City, Pa.
Wickes Bros. (also Crank Shaft Turning), Saginaw, Mich.
See adv index at end of book

7296a—*Lathes (Shell Turning & Boring)

Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book

Lathes (Shoe Last Turning)

See Lathes, Last

7297— Lathes (Speed)

See also Lathes, Engine

Blount J. G. Co., Everett, Mass.
Cincinnati Lathe & Tool Co., North & Oakley, Cincinnati, O.
Diamond Machine Co. ("Diamond"), Providence, R. I.
Fay & Scott, Dexter, Me
Garvin Machine Co., 147 Varick, New York
Grabo E. O. Machine Works (For Brass, etc), 180 Centre, New York
Greenfield Tap & Die Corp. ("Wells"), Greenfield, Mass.
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*
Oliver Machinery Co. (For Wood), Grand Rapids, Mich.
Potter S. A. Tool & Machine Wks. ("Potter"), 77 E 130th, New York
Rivett Lathe & Grinder Co. ("Rivett"), Dept. H, Faneuil Station, Boston, Mass.
Sebastian Lathe Co., 3rd & Philadelphia, Covington, Ky.

7298— Lathes (Spinning)

BLISS E. W. CO., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Grabo E. O. Machine Works, 180 Centre, New York
Kane & Roach, Syracuse, N. Y.
Manville E. J. Machine Co., Waterbury, Conn.
Meriden Machine Tool Co., Meriden, Conn.
Meriden Press & Drop Co. ("Merriman"), Meriden, Conn.
Oliver Machinery Co., Grand Rapids, Mich.
Parker Charles Co., Meriden, Conn.
Pryibil P. Machine Co., 520 W 41st, New York
Purdy Chester, Ghent, O.
Reinforced Concrete Co. (Metal), St. Louis, Mo.
Stoll D. H. Co., Buffalo, N. Y.
Wilcox Mfg. Co. ("Schulz"), 4824 W Lake, Chicago, Ill.

7299— Lathes (Spoke)

See also Lathes, Handle Turning; also Lathes, Wood Turning

Defiance Machine Works, Defiance, O.
Fay J. A. & Egan Co., Cincinnati, O.
Ober Mfg. Co., Chagrin Falls, O.
Trevor Mfg. Co., Lockport, N. Y.

Lathes (Spool)

See Spool & Bobbin Machinery

7300— Lathes (Staff)

Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.

7301—Lathes (Stone Polishing)

Hinds Thomas Co., Malone, N. Y.
Lincoln Iron Works, Rutland, Vt.
Patch F. R. Mfg. Co., Rutland, Vt.
Perkins Lloyd (For Sawing & Polishing, Rocks, Minerals, etc), Middleboro, Mass.

7302— Lathes (Strapping)

Bridgeport Safety Emery Wheel Co., ("Bridgeport Safety"), 38 Knowlton, Bridgeport, Conn.
See adv index at end of book
Springfield Mfg. Co., Bridgeport, Conn.

7302a— Lathes (Threading)

Automatic Machine Co. (Automatic), 113 E Washington, Bridgeport, Conn.
Cincinnati Lathe & Tool Co., North & Oakley, Cincinnati, O.

7302b—Lathes (Tool Room)

Cisco Machine Tool Co., Elmore & C. H. & D. Ry., Cincinnati, Ohio
Davis Machine Tool Co., 307 St. Paul, Rochester, N. Y.
Greaves Machine Tool Co., 2116 Colerain av, Cincinnati, Ohio
Lehmann Machine Co., Grant & Chouteau, St. Louis, Mo.
Porter-Cable Machine Co., The, 708 N Salina, Syracuse, N. Y.
See adv index at end of book
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book

7303— Lathes (Treenail)

Trevor Mfg. Co., Lockport, N. Y.

7304— Lathes (Trimming)

Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.
Manville E. J. Machine Co., Waterbury, Conn.
Waterbury, Farrel Foundry & Machine Co., Waterbury, Conn.

7305— Lathes (Turntable)

Greenlee Bros. & Co., 12th, Rockford, Ill.

7306— Lathes (Turret)

See also Screw Machines

Acme Machine Tool Co. (Flat), 4955H Springgrove av, Cincinnati, Ohio
American Tool & Machine Co. ("Fox" Brass Finishers), 10 High, Boston, Mass.
American Tool Works Co., Cincinnati, O.
Bardons & Oliver, Cleveland, Ohio
Bradford Machine Tool Co., Cincinnati, O.
Bullard Machine Tool Co. (Vertical combination turret), Brewster & Canfield av, Bridgeport, Conn.
Cincinnati Lathe & Tool Co., North & Oakley, Cincinnati, O.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Dodge H. C., Inc., 46 Alger, Boston, Mass.
Dreses Machine Tool Co. (Universal), Cincinnati, O.
Fay & Scott, Dexter, Me.
Foster Machine Co., Elkhart, Ind.
Fulton Mach. Tool Co., 1422 W Randolph, Chicago, Ill.
Garvin Machine Co., 147 Varick, New York
General Mach. Wks., York, Pa.
Gisholt Machine Co. (For Both Bar & Chucked Work, 13 to 41½ Inches; Also Automatic for Chucking Work), 1315 E Washington, Madison, Wis.
Greaves Machine Tool Co., 2116 Colerain av, Cincinnati, Ohio
Greenlee Bros. & Co. (Flat), 12th, Rockford, Ill.
International Machine Tool Co. ("Libby"), Indianapolis, Ind.
Jones & Lamson Machine Co. ("Hartness" Flat), Springfield, Vt.
Le Blond R. K. Machine Tool Co. (Automatic), Madison & Edwards rd, Cincinnati, O.
Levi Benjamin, 355 W B'way, New York
Lodge & Shipley Machine Tool Co., 3055 Colerain av, Cincinnati, Ohio
McCabe J. J. Lathe & Machy. Corp., 149 B'way, New York
Meriden Machine Tool Co., Meriden, Conn.
Millholland Sales & Engng Co., ("Millholland"), 1115 E 35th, Indianapolis, Ind.
National Acme Mfg. Co. ("Gridley" Multiple Spindle Automatic), 7500 Stanton av, S E, Cleveland, O.
New Britain Machine Co. ("New Britain," Multiple Spindle Automatic), 190 Chestnut, New Britain, Conn.
Oliver Machinery Co., Grand Rapids, Mich.
Potter & Johnston Machine Co. (Double Turret Manufacturing), Pawtucket, R. I.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Rahn-Larmon Co., Cincinnati, O.
Reed & Prentice Co. (Automatic), 677 Cambridge, Worcester, Mass.
Rivett Lathe & Grinder Co. ("Rivett"), Dept. H, Faneuil Station, Boston, Mass.
Rockford Lathe & Drill Co. (Automatic), Rockford, Ill.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Shepard Lathe Co., Canal & Jackson, Cincinnati, O.
Springfield Machine Tool Co. ("Fox") Springfield, Ohio
Steinle Turret Machine Co. ("Steinle" Full Swing, Side Carriage & 20", 24" & 30" Either Bar or Chucking Work; Also Gap Lathes), Madison, Wis.
Warner & Swasey Co. (Hollow, Hexagon, Turret Screw, etc), 5809 Carnegie av, Cleveland, O.
Wood Turret Machine Co. (The Tilted Turret), Brazil, Ind.
Woods S. A. Machine Co. ("Blood," "Dodge"), 27 Damrell, Boston, Mass.
Wright David A., Inc., Jefferson & Monroe, Chicago, Ill.

7307-8—Lathes (Variety Turning)

Defiance Machine Works (Also Variety Boring), Defiance, O.
Fitchburg Machine Works ("Lo-Swing"), Fitchburg, Mass.
Frary Mfg. Co. (Automatic Wood Turning), Charlemont, Mass.
Kline Lewis T. (Automatic), Alpena, Mich.
Mattison C. Machine Works, Rockford, Ill.
Ober Mfg. Co., Chagrin Falls, O.
Pringle & Brodie Co., 566 Polk, Chicago, Ill.
Waymouth A. D. & Co. (Self-Centering & Self-Adjusting, etc), Fitchburg, Mass.
Wright Chas. E. Co., Kenilworth, N. J.
Yates P. B. Machine Co., Beloit, Wis.

Lathes (Veneer)

See Veneer Cutting Machines

7309—Lathes (Watchmakers')

See also Lathes, Precision

Derbyshire F. W., Waltham, Mass.
Hardinge Bros., Inc., 1770 Berteau av, Chicago, Ill.
Moseley Lathe Co., Elgin, Ill.
Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.
Wade-American Tool Co., 311 Atlantic av, Boston, Mass.

7310— Lathes (Winding)

General Engineering & Supply Co., 160 5th av, Mohawk bldg, New York City
Pittsburgh Machine Tool Co., Braddock, Pa.
Sommerfeld Machine & Mfg. Co. (For Winding Coils), 216 2d av, Pittsburgh, Pa.

7311—Lathes (Wood Polishing)

Oliver Machinery Co., Grand Rapids, Mich.

7312—Lathes (Wood Pulley)

Defiance Machine Works, Defiance, O.

7313—Lathes (Wood Working)

American Sawmill Machinery Co., Hackettstown, N. J.
American Wood Working Machy. Co., Rochester, N. Y.
Artistic Wood Turning Works (Automatic), 515 W Halsted, Chicago, Ill.
Badger Gas & Gasoline Engine Co., Kansas City, Kans.
Carey W. W. Co., Lowell, Mass.
Cordesman, Rechtin Co., Butler, Cincinnati, O.
Defiance Machine Works, Defiance, O.
Fay J. A. & Egan Co., Cincinnati, O.
Fay & Scott, Dexter, Me.
Hall & Brown Woodworking Machine Co., 1911 N Broadway, St. Louis, Mo.
Jones Superior Machine Co., 1264 W North av, Chicago, Ill.
Kimball Bros. & Sprague Inc. (Golf Club Head), 157 Centre, Brockton, Mass.
Maine Machine Wks., 701 N Main, Los Angeles, Cal.
Mattison C Machine Works, Rockford, Ill.
Millers Falls Co. ("Millers Falls"), Dept. H, Millers Falls, Mass.
National Woodworking Machine Co., Dover, N. H.

(Continued on following page)

Lathes (Wood Working)—Continued

Ober Mfg. Co., Chagrin Falls, O.
Oliver Machinery Co., Grand Rapids, Mich.
Partridge E. O., 2039 W Lake, Chicago, Ill.
See adv index at end of book
Power L. & Co., 20 S 23d, Phila., Pa.
Price W. R., Inc., 5 Nassau, New York
Pringle & Brodie Co. (Back Knife Variety Turning), 566 Polk, Chicago, Ill.
Pryibil P. Machine Co., 520 W 41st, New York
Purdy Chester, Ghent, O.
Sidney Machine Tool Co., Sidney, O.
Smith H. B. Machine Co., Smithville, N. J.
Trevor Mfg. Co. (Turnings up to 8 in), Lockport, N. Y.
Valley City Machine Works, Grand Rapids, Mich.
Wallace J. D. & Co., 1401 W Jackson blvd, Chicago, Ill.
Waymoth A. D. & Co. (Variety, etc), Fitchburg, Mass.

7314—Lathes (Worm Threading)

Automatic Machine Co. (Automatic), 113 E Washington, Bridgeport, Conn.

7315— Lathes (Yacht Spar)

Trevor Mfg. Co., Lockport, N. Y.

7316-7— Lathes (Zinc)

National Tank & Pipe Co., 170 Columbia blvd, Portland, Ore.
See adv index at end of book
Pacific Tank & Pipe Co. (For Cutting Zinc Shavings), 320 Market, San Francisco, Cal.

Launches

See Motor Boat, Launch & Yacht Builders

Laundry Dryers

See Clothes Dryers

Laundry Irons (Electric)

See Sad Irons, Electric

Laundry Irons (Gas)

See Sad Irons

7318—Laundry Tubs (Artificial Stone)

Adams E. G., Kingston, N. Y.
Ancher Stone Co., 2937 Lyndale, S Minneapolis, Minn.
Buffalo Wash Tray Works, 601 Tonawanda, Buffalo, N. Y.
Chicago Granitine Mfg. Co. ("Granitine," "Princess," "Snow White"), 3619 Wall, Chicago, Ill.
Hardin Lavin Co., 4543 Cottage Grove av, Chicago, Ill.
Hercules Cement Products Co., 1049 Howard, San Francisco, Cal.
Kingston Granite Tub Works, Kingston, N. Y.
Mineral Products Co. ("Xyno" Stone), Rhinelander, Wis.
Robinson Stoneware Co., 226 Newell, Brooklyn, N. Y.
Seattle Laundry Tray Co., 1547 Westlake av, N, Seattle, Wash.
Standard Elsmere Granite Works ("Elsmere Granitine"), 1756 N Spaulding av, Chicago, Ill.
Wessels D. D. (Cement), 1635 E Euclid, Detroit, Mich.

Laundry Tubs (Enameled Iron)

See Bath Tubs, Enameled Iron

7319—Laundry Tubs (Euclid Stone)

Euclid Mfg. Co., Paden City, W. Va.
Euclid Stone & Brick Co. (& Lakewood A. A. Grade), Cleveland, O.

7320—Laundry Tubs (Glazed Fire Clay)

Gladding, McBean & Co., Crocker bldg, San Francisco, Cal.

Laundry Tubs (Porcelain)

See Bath Tubs, Porcelain

7321— Laundry Tubs (Slate)

American Slate Co., Easton, Pa.
Auld & Conger Co., 942 Prospect, Cleveland, O.
Bangor Structural Slate Co., Bangor, Pa.
Cleveland Mantel & Tile Co., 1426 E 30th, Cleveland, O.
Clow Jas. B. & Sons, Franklin & Harrison, Chicago, Ill.
Fair Haven Marble & Marbleized Slate Co., Fair Haven, Vt.
Hinchey Patrick F. & Co., Hydeville, Vt.
International Slate Co., Slatington, Pa.
Keenan Structural Slate Co., Bangor, Pa.
Lehigh Structural Slate Mfg. Co., Bangor, Pa.
Monson Maine Slate Co., 112 Water, Boston, Mass.
New York Slate Works ("Empire"), 255 E 138th, New York
Ontalaunce Slate Mfg. Co., Lynnport, Pa.
Peerless Slate Co., Delta, Pa.
Penrhyn Slate Co., Hydeville, Vt.
Ribble R. W. & Co., 1st and Broadway, Bangor, Pa.
Slatington Slate Co., Slatington, Pa.
Snyder E. F., Slatington, Pa.
Structural Slate Co., The, 101 Marietta, Pen Argyl, Pa. (With Natural Slate Blackboard Co., Pen Argyl).
See adv index at end of book
Union Soapstone Co., 14 Marshall, Boston, Mass.
Washington Iron Works ("Washington"), 1141 Mateo, Los Angeles, Cal.
Williams Slate Co., Arvonia, Va.

7322—Laundry Tubs (Soapstone)

Alberene Stone Co., 153 W 23d, New York
Phoenix Soapstone Co., 71 Murray, New York
Robinson Stoneware Co., 226 Newell, Brooklyn, N. Y.
Sanitas Mfg. Co. ("Marshfield"), 105 Washington, Boston, Mass.
Troy Bros. & Co., 975 Massachusetts av, Rox., Boston, Mass.
Union Soapstone Co., 14 Marshall, Boston, Mass.

7323— Lava

American Lava Corp. ("Alco"), Chattanooga, Tenn.
Colonial Mfg. Co., Chattanooga, Tenn.
Crescent Burner Mfg. Co., 247 Park av, New York
Kirchberger M. & Co. Inc. ("Lavorock"), 1423 37th, Brooklyn, N. Y.
Steward D. M. Mfg. Co. ("Lavite"), Chattanooga, Tenn.

7324— Lavatories (Folding)

Sands A. B. & Son Co. ("Sands"), 22 Vesey, New York

7325— Lavatories (Ship)

Bishop's Wm. Sons, 18 James, New York
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Jenkins Mfg. Co., Bloomfield, N. J.
Laughlin Thos. Co. (Folding), 135 Fore, Portland, Me.
Nason Mfg Co. (Jobbers), 71 Fulton, New York *See adv index at end of book*
Pacific Sanitary Mfg. Co., 67 New Montgomery, San Francisco, Cal.
Sands A. B. & Son Co. (Folding & Stationary), 22 Vesey, New York
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Webb F. W. Mfg. Co., 56 Elm, Boston, Mass.

7326— Lavatories & Fittings

For Enamel or Porcelain Lined Iron Lavatories, see Bath Tubs, Enameled Iron
Barnes Mfg. Co. (Enameled Lavatories), Mansfield,, O.
Barrett James Mfg. Co. ("Cutler," "Elba," "Hecla," "Midget," "Talma," "Thaba" & "Tunis"), 117 Pearl, Boston, Mass.
Blairsville Sanitary Co. (Enameled Iron), Blairsville, Pa.
Bradley Washfountain Co. ("Bradley Washfountains" for factories, shops, etc.), 2203 Sycamore, Milwaukee, Wis.
Clow Jas. B. & Sons, Franklin & Harrison, Chicago, Ill.
CRANE CO. ("Neumar," "Marmor," "Elegia," "Nova," "Doric," "Ovatus," "Shelbas," "Vernon," "Idalia," "Hermitage," "Clifton," "Clermont," "Arcus," "Monroe," "Majestic," "Nevada," "Norfolk," "Premo," "Aparto," "Kenmar," "Kent," "Oliver," "Litera," "Eaton," "Rugby," "Wilton," "Fairfax"), 836 S Michigan av, Chicago, Ill. *See adv index at end of book*
Crane Enamelware Co. ("Southern Beauty" Enameled Iron), 14th & Chestnut, Chattanooga, Tenn.
Dalton-Ingersoll Mfg. Co., 365 Atlantic av, Boston, Mass.
Detroit Sanitary Supply Co., 1191 2nd, Detroit, Mich.
Douglas John Co., Carthage, Cincinnati, O.
Ebinger D. A. Sanitary Mfg. Co. ("Ebco"), 181 Lucas, Columbus, O.
Edwardsville Brass Co., Edwardsville, Ill.
Euclid Stone & Brick Co. (Shower Lavatories for Factories,, Stone), Cleveland, Ohio
Federal-Huber Co. (Fittings Only), 234 N Halsted, Chicago, Ill.
Fords Porcelain Works (Porcelain), Perth Amboy, N. J.
General Ceramics Co. ("Phoenix," Porcelain), 50 Church, New York
Greenberg's A. M. & Son, Folsom & Alice, San Francisco, Cal.
Haines, Jones & Cadbury Co. ("Hajoca," "Vitreo," "Regal" Porcelain Enameled), 1136 Ridge av, Phila., Pa.
Humphryes Mfg. Co. (Enameled Iron, Porcelain Lined), Mansfield, O.
Iron City Sanitary Mfg. Co., Dept. H, Oliver bldg., Pittsburgh, Pa.
Kohler Co. (Enameled Iron Lavatories), Dept. H, Kohler, Wis.
Laughlin Thos. Co. ("Allen," "Becket," "Chapin," "Sunrise," "Wakefield" Lavatories), 135 Fore, Portland, Me.
See adv index at end of book
McCambridge Co., 315 N 20th, Phila., Pa.
McVay-Walker Co., Braddock, Pa.
Maddocks Thomas Sons Co. ("Madbury," "Madrid"), Ewing & Perry, Trenton, N. J.
Manufacturing, Equipment & Engineering Co. (Multiple Range Wash Bowls, Plain Iron Galvanized or Vitrified Porcelain Enamel), 136 Federal, Framingham, Mass.
Mar-Sla Mfg. Co., Hubbard, O.
Monument Pottery Co. (Lavatories), Trenton, N. J.
Mott J. L. Iron Works, Trenton, N. J.
Nason Mfg. Co. (Jobbers), 71 Fulton, New York *See adv index at end of book*
Nelson N. O. Mfg. Co., 10th & Chestnut, St. Louis, Mo.
Pacific Sanitary Mfg. Co., 67 New Montgomery, San Francisco, Cal.
Peck Bros. & Co., New Haven, Conn.
Penn Enameled Sink Co., Indiana, Pa.
Pittsburgh Brass Mfg. Co., Penn & 32nd, Pittsburgh, Pa.
Rowe Sanitary Mfg. Co. (Sanitary), 508 W Congress, Detroit, Mich.
Rundle Mfg. Co., 27th & Wahl, Milwaukee, Wis.
Rundle-Spence Mfg. Co. (Fittings Only), 63 2d, Milwaukee, Wis.
Sanitas Co. ("Trinity," "Crescent," "Premier," "Bristol," "Exeter," "Tanouil," "Grafton," "Dartmouth," "Caldwell," "Arlington," "Mignon," "Marboro," "Beacon," "Newbury"), 105 Washington, Boston, Mass.
Speakman Co., Wilmington, Del.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Trenton Potteries Co. ("Tuxedo"), Trenton, N. J.
Watrous Co. ("Watrous," White Metal Lavatory Fittings), 410 N Michigan blvd, Chicago, Ill.
Weiskittel A. & Son Co. (Enameled Iron), 12th & E Lombard, Baltimore, Md.
West Coast Porcelain Mfrs. ("West Coast"), Millbrae, Cal.
Wheeling Sanitary Mfg. Co. (Enameled Iron Lavatories), Wheeling, W. Va.
Whiting-Mead Pottery Co. ("Poppy"), 415 E 9th, Los Angeles, Cal.
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.

7327— Lavatory Trimmings

Douglas Jno. Co., Carthage, Cincinnati, O.
Edwardsville Brass Co., Edwardsville, Ill.
Newman Mfg. Co., 420 Elm, Cincinnati, O.
Pacific Faucet Mfg. Co., 940 E 60th, Los Angeles, Cal.
Park & McKay, 55 Bagley av, Detroit, Mich.
Peck Bros & Co., New Haven, Conn.

Lawn Furniture

See Fountains, Vases, etc.; also Settees & Chairs, Iron; also Settees & Chairs, Lawn; also Rustic Wood Work; also Swings, Lawn

7328— Lawn Mowers

American Lawn Mower Co. ("Advance," "Yale," "Columbia," "Liberty," "Speedy," "Victoria," "Garland," "Overland"), Muncie, Ind.
Blair Mfg. Co. ("Easy," "Universal," "Yankee"), 312 Birnie av, Springfield, Mass.
Chadborn & Coldwell Mfg. Co. ("Sunbeam," "Pastime," "Shamrock," "Goldcrest," "Royal Blue," "Aldine," "Delevan," "Lenox," "Excelsior," "Newburgh," "New Model," "Charmer," "Primrose," "Dexter," "Ventnor," "Invincible," "Golden Glow," "Swift Cutter," etc.), Newburgh, N. Y.
Clarinda Lawn Mower Co. ("Cardinal," "Daisy," "Universal"), Clarinda, Ia.
Clipper Lawn Mower Co. ("Clipper" Hand & Pony, Cuts Grass Any Height), Dixon, Ill.
Coldwell Lawn Mower Co. ("Lakewood," "Imperial," "Coldwell," Hand, Horse & Motor), Newburgh, N. Y.
Dille & McGuire Mfg. Co. (Hand, "Diamond," "Star," "King," "Aero," "New England," "Matchless," "Perfection," "Glide," "Richmond," "Queen," "Western," "New Magic," "Supreme," "High Speed," "Greenwood"), Richmond, Ind.
Eclipse Lawn Mower Co. ("Eclipse," Self-Sharpening), Prophetstown, Ill.
Elwood Lawn Mower Mfg. Co., Elwood, Ind.

F. & N. Lawn Mower Co. ("Great Arrow," "Ideal," "Crestlawn," "May Flower," "New American," "Auto," "Famous," "Admiral," "Director," "Baby Grand," Ball Bearing; "Worthmower," "Victor," "Annex," "Clover Leaf," "Trojan," "Paragon," "Melrose," "Fenden," Plain Bearing), Richmond, Ind.

Granite State Mowing Machine Co. ("Granite State," "Hampshire," "Queen," "New Mystic," "New Rover," "Leader"), Hinsdale, N. H.

Henderson Peter (Dirs.), 35 Cortlandt, New York

Herschel R. Mfg. Co. ("Herschel"), Peoria, Ill.

Hudson Mfg. Co., 324 3d av N, Minneapolis, Minn.

Ideal Power Lawn Mower Co. ("Ideal"), Lansing, Mich.

Mast, Foos & Co. ("Buckeye" Ball Bearing, Princess), Springfield, O.

Penna. Lawn Mower Works ("Pennsylvania," "Pennsylvania Junior," "Continental," "Great American," "Ball Bearing," "Quaker City," "Red Cloud," Ball Bearing, "Orchid," Ball Bearing, "Panama," "Pennsylvania Golf," "Pennsylvania Putting Greens"), 1615 N 23rd, Phila., Pa.

Phila. Lawn Mower Co. ("Graham," All Steel; "A," All Steel; "Dewey," "Drexel," "New," "College," "University," "Overbrook," "Independence" Roller Bearing "Improved Eagle" Motor; Walking or Riding "E" "K" Plain or Roller; "Golf" 6 & 8 Blades; "Philadelphia," "Horse Mowers," "40" Horse Drawn Sweepers), 3101 Chestnut, Phila., Pa.

Reading Hardware Co. ("Reading"), Reading, Pa.

Stearns E. C. & Co. ("Stearns," "Matchless," "Royal," "Ball Bearing"), 450 Oneida, Syracuse, N. Y.

Townsend S. P. & Co. (Lawn Mowers "Lyon," "Spider," "Victor," "Premier," "Essex," "Orange," "Matchless," All Ball Bearing; "Townsend" Chain Roller Mower), Orange, N. J.

Whitaker Mfg. Co., 409 S Green, Chicago, Ill.

Worcester Lawn Mower Co. ("Worcester," "Highland," "Homestead" & "Green Mountain," "Elm Park," "Wizard," "Commonwealth," "Mt. Tom," "New England," "Tip Top," "International," "Worcester Golf," "High Wheel Invincible," "Invincible 9/4" & "Invincible 9/3"), 175 Fremont

7329—Lawn Mowers (Gasoline Motor)

Coldwell Lawn Mower Co., Newburgh, N. Y.

Ideal Power Lawn Mower Co., Lansing, Mich.

Philadelphia Lawn Mower Co. ("Phila.," "Eagle," Improved Motor Lawn Mowers), 3101 Chestnut, Phila., Pa.

7330—Lawn Mowers (Horse)

Chadborn & Coldwell Mfg. Co. ("New Excelsior"), Newburgh, N. Y.

Coldwell Lawn Mower Co. ("Coldwell"), Newburgh, N. Y.

Phila. Lawn Mower Co. ("Eagle," "Pony," "Genuine Phila."), 3101 Chestnut, Phila., Pa.

Townsend S. P. & Co. ("Townsend's" Triple Ratchet), Orange, N. J.

7331— Lawn Sprinklers

ALLEN W. D. MFG. CO., ("Pluvius," "Midget," "Twentieth Century," "Mayflower," "Cyclone," "Anaconda," "Preston," "Turbine," "Colorado," "Yankee," "Blake," "Hartford," "Busy," "Eureka," "Newport," "Australian," "Evanston"), 201-211 N Jefferson, Chicago, Ill.
See adv index at end of book

W. D. ALLEN MFG. CO.



Revolving and Stationary
LAWN SPRINKLERS
201-211 North Jefferson Street
CHICAGO

Alsteel Mfg. Co., Battle Creek, Mich.

American Foundry & Mfg. Co. ("Cactus," "Japanese," "Park," "National," "Pacific," "Imperial"), 11th & Hebert, St. Louis, Mo.

Beaton & Caldwell Mfg. Co. ("Gem"), New Britain, Conn.

BUCKNER MFG. CO. ("Buckner" Automatic, Automotive & Portable), 95 Blackstone av, Fresno, Cal.

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.

Cadwallader Thos. ("Champion" Lawn Spray), Salem, O.

CHICAGO FLEXIBLE SHAFT CO. ("Rain King," "Giant Rain King," "Adapter Rain King," "Stewart 2-Purpose," "Stewart Hose Nozzle"), 1150 S Central av, Chicago, Ill.
See adv index at end of book

DEMING CO. ("Success"), Salem, O.
See adv index at end of book

Detroit Lead Pipe Works, 1450 21st, Detroit, Mich.

Elkhart Brass Mfg. Co. ("Hoosier"), Elkhart, Ind.

Enterprise Mfg. Co. of Pa. ("Enterprise"), 3d & Dauphin, Phila., Pa.

Hadden Automatic Sprinkler Co., 934 Maple av, Los Angeles, Cal.

Hardware Supply Co. ("Triumph," "Rainbow"), Grand Rapids, Mich.

Heim H. E., 312 Pine, Portland, Ore.

Hero Mfg. Co. ("Hero"), 1421 Chestnut, Philadelphia, Pa.

Jones M. D. Co., Concord Junction, Mass.

Kohler F. E. Co., Canton, Ohio

Landers, Frary & Clark ("Crown"), New Britain, Conn.

"Milac" Products Co. ("Borgeson"), 646 Laura, Huntington Park, Cal.

Nelson L. R., 1810 S Washington, Peoria, Ill.

Neumeyer H. F. & Son ("New"), Macungie, Pa.

Noera Mfg. Co. ("Noera," "Waterbury"), Waterbury, Conn.

Novelty Mfg. Co. ("Niagara"), Waterbury, Conn.

Parker Wire Goods Co. ("Eureka"), Worcester, Mass.

Peck Bros. & Co., New Haven, Conn.

Peoria Can Co. (Square or Round Spray), Peoria, Ill.

Rainbow Sprinkler Co. (Brass "Rainbow"), Jacksonville, Fla.

Rock Island Mfg. Co. (& Sprays), Rock Island, Ill.

Sherman H. B. Mfg. Co. ("Duo Nozzle," also Rose Sprinklers), Battle Creek, Mich.

Smith & Hemenway Co., Inc. ("Red Devil"), 201 Broadway, New York, & 130H Coit, Irvington, N. J.
See adv index at end of book

Spray Engineering Co. ("Young Fountain," "Jack-in-the-Box," "Boston Giant" Park Sprinkler), 62 High, Boston, Mass.
See adv index at end of book

Standard Stamping Co., Huntington, W. Va.

Stearns E. C. & Co. ("Stearns" Reversible"), 450 Oneida, Syracuse, N. Y.

Stuber & Kuck Co. ("Perfect"), Peoria, Ill.

Thompson Mfg. Co., 2468 E 8th, Los Angeles, Cal.

Tuthill J. A., 1006 N Highland av, Los Angeles, Cal.

Wilgus Mfg. Co. ("Wilgus"), Los Angeles, Cal.

7332—Leaching Apparatus (Tanners')

Stehling Chas. H. Co., 401 4th, Milwaukee, Wis.

Turner Tanning Machy. Co. ("Turner"), Peabody, Mass.

7332a— Lead Acetate

Cooper & Cooper Inc. (White & Brown), 23H Cliff, New York

Dissosway Chemical Co. Inc. (U. S. P. & Technical), 55-63 Eckford, Brooklyn, N. Y.

Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*

General Chemical Co. (Crystals & Solutions), 40 Rector, New York

Grasselli Chemical Co. (Brown & White), Guardian bldg, Cleveland, O.

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book

Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

Naugatuck Chemical Co., Naugatuck, Conn.

Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.

Riddle Chemical Co., 35 S Dearborn, Chicago, Ill.
See adv index at end of book

Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

7333— Lead (Antimonial)

American Metal Co., 61 B'way, New York

American Smelting & Refining Co., 120 B'way, New York

Balbach Smelting & Refining Co., 280 Broadway, New York

Belmont Smelting & Refining Works, Inc. (All formulas in block and pig), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book

Brooklyn Alloys Co., 17 Walton, Brooklyn, N. Y.

Bunker Hill & Sullivan M. & C Co. ("Bunker Hill"), Crocker bldg, San Francisco, Cal.

Central Smelting & Refining Co., Borden av & Haywood, L. I. City, N. Y.

Chadwick-Boston Lead Co., 162 Congress, Boston, Mass.

Eagle Smelting & Refining Works, 233 B'way, New York

International Minerals & Metals Corp., 61H Broadway, New York

Metals Refining Co., Inc., Edison bldg, Chicago, Ill.

Murphy E. L. & Company, 114 W Van Buren, Chicago, Ill.

Nassau Smelting & Refining Works, 607 W 29th, New York

North American Copper Co., 52 Vanderbilt av, New York

North American Smelting Co., Phila., Pa.

Philipp Bros., Inc., 233 Broadway, New York

Stanley Chemical Co., East Berlin, Conn.

Union Smelting & Refining Co. ("Usarco"), St. Charles, Newark, N. J.

United Lead Co., 100 E 42nd, New York

U. S. Metals Refining Con., 61 B'way, New York

7333a— Lead Arsenate

Corona Chemical Co. ("Corona Dry" Powdered), 213 Lake, Milwaukee, Wis.

Dow Chemical Co. (Paste & Powder), Midland, Mich.

Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*

Grasselli Chemical Co., Guardian bldg, Cleveland, O.

Lavanburg Fred L., 100 William, New York

Leggett & Bros., 301 Pearl, New York

Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

Mechling Bros. Mfg. Co., Camden, N. J.

Merrimac Chemical Co. ("Swift's"), 148 State, Boston, Mass.

Powers - Weightman - Rosengarten Co. (Paste), 916H Parrish, Phila., Pa.

Riches River & Co., 30 Church, New York

Thomsen Chemical Co., Race & Winder, Baltimore, Md.

7334— Lead (Bar)

American Lead Co., 3116 Penn av, Pittsburgh, Pa.

American Smelting & Refining Co., 120 B'way, New York

Atlantic Smelting & Refining Wks., 233 B'way, New York

BELMONT SMELTING & REFINING WORKS, INC. (Any brand, shape, size or weight.) 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book

Bunker Hill & Sullivan M. & C. Co., Crocker bldg, San Francisco, Cal.

Central Smelting & Refining Co., Borden av & Haywood, L. I. City, New York

Chadwick-Boston Lead Co., 162 Congress, Boston, Mass.

Detroit Lead Pipe Works, 1450 21st, Detroit, Mich.

Eagle Picher Lead Co., 208 S La Salle, Chicago, Ill.

Illinois Smelting & Refining Co., 410 N Peoria, Chicago, Ill.

Jacobson I. M. & Sons Co., 70 Catherine, Detroit, Mich.

Lawrence Shot & Lead Co., Omaha, Neb

Merchant & Evans, Washington av & 21st, Phila., Pa.

Northwest Lead Co. ("Bunker Hill"), 1744 4th, Seattle, Wash.

Rochester Lead Works, 380 Exchange, Rochester, N. Y.

United Lead Co., 100 E 42d, New York

United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.

U. S. Indestructible Gasket Co., 831 E 15th, Brooklyn, N. Y.
See adv index at end of book

Lead (Black)

See Black Lead

7335— Lead (Blue)

Brooklyn Alloys Co., 17 Walton, Brooklyn, N. Y.

Eagle Picher Lead Co. (Sublimed), 208 S La Salle, Chicago, Ill.

Metals Extraction Corp., 5501 Boyle av, Huntington Park, Los Angeles, Cal.

7336— Lead Burning Outfits

Admiral Welding Mach. Co., 1607 Locust, Kansas City, Mo.

Am. Lead Burning Co., Inc. (For Chemical Plants), 30 Church, New York

Bastian-Blessing Co. (Battery Welding), 240 E Ontario, Chicago, Ill.
See adv index at end of book

Dyer Co., 155 Brookline, Cambridge, Mass.

MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

OXWELD ACETYLENE CO., 30 E 42d, New York
See adv index at end of book

Storage Battery Supply Co. (For Storage Batteries, etc), 239 E 27th, New York

Torchweld Equipment Co., 224 N. Carpenter, Chicago, Ill.

Lead Calking

See Lead Wool

7337— Lead (Came)

Brooklyn Alloys Co., 17 Walton, Brooklyn, N. Y.
Chadwick-Boston Lead Co., Boston, Mass.
Crown Metal Co., 259 Washington, Milwaukee, Wis.
DuBois F. M. & Co., 247 9th av, New York
GARDINER METAL CO., 1364 W Lake, Chicago, Ill.
Lewis John T. & Bros. Co., Lafayette bldg, Phila., Pa.
Nat'l Lead Co., 111 B'way, New York
No. Amer. Cooper Co., 52 Vanderbilt av, New York
Northwest Lead Co. ("Bunker Hill"), 1744 4th, Seattle, Wash.
Rochester Lead Works, 380 Exchange, Rochester, N. Y.
United Lead Co., 100 E 42d, New York

7337a—Lead—Carbonate (White)

Eagle Picher Lead Co., 208 S. La Salle, Chicago, Ill.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

7337b— Lead (Chloride)

Cooper Chas. & Co., 194 Worth, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

7338— Lead Chromate

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

7338a— Lead Coating (Lohman Process)

Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*

7338b— Lead (Dioxide)

Chemical Co. of Am., 28 Platt, New York
Finkell Wm. T., 103 Maiden lane, New York.
Savell Sayre & Co. Inc., Niagara Falls, N. Y.
Shepherd Chemical Co., Beech & Highland, Cincinnati, O.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

7339— Lead (Glaziers')

Eagle Picher Lead Co. (The), 208 S La Salle, Chicago, Ill.
Nat'l Lead Co., 111 B'way, New York
Rochester Lead Works, 380 Exchange, Rochester, N. Y.

7339a— Lead (Hyposulphide)

Doggett Stanley (Black, Imp), 11 Cliff, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Scheel Wm. H., 179 Water, New York
See adv index at end of book

7340— Lead Joint Remover

MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Smith A. P. Mfg. Co. ("French"), East Orange, N. J.

7340a— Lead (Lantern)

Chadwick-Boston Lead Co., Boston, Mass.

7340b— Lead Linoleate

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Scheel Wm. H., 179 Water, New York
See adv index at end of book

7340c— Lead (Molybdate)

Foote Mineral Co., Inc., 107 N 19th, Phila., Pa.

7340d— Lead Nitrate

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Tennant C. Sons & Co. of N. Y. (Imp), 19 W 44th, New York
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

7340d1— Lead Oleate

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book

7340e—Lead Oxide (Litharge)

(See also Litharge)

Fergusson Alex C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

7341— Lead (Pig)

American Metal Co., 61 B'way, New York
American Smelting & Refining Co., 120 B'way, New York.
American Zinc, Lead & Smelting Co., 331 Madison av, New York
Atlantic Smelting & Refining Wks., 233 B'way, New York
Balbach Smelting & Refining Co., 580 Market, Newark, N. J.
Belmont Smelting & Refining Works Inc. (all brands Prime Western), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book

Lead
Bars, Blocks, Pigs and Alloys
Also Ingot Copper
Tin—Spelter—
Solder—Babbitt
BELMONT SMELTING & REFINING WORKS, Inc.
Gen'l Office: 328 Belmont Ave., Brooklyn, N. Y.

Brooklyn Alloys Co. (Ingot), 17 Walton, Brooklyn, N. Y.
Bunker Hill & Sullivan M & C Co. ("Bunker Hill"), Crocker bldg, San Francisco, Cal.
Central Smelting & Refining Co., Borden av & Hopwood, L. I. City, N. Y.
Detroit Lead Pipe Works, 1450 21st, Detroit, Mich.
DuBois F. M. & Co. (Dirs.), 247 9th av, New York
DU PONT E. I. DE NEMOURS & CO. INC., Salvage & Reclamation Div., Wilmington, Del. *See adv index at end of book*
Eagle Picher Lead Co. (Virgin Refined), 208 S La Salle, Chicago, Ill.
Eagle Smelting & Refining Works, 233 B'way, New York
Eastern Brass & Ingot Corp. of N. Y., Waterbury, Conn.
GARDINER METAL CO., 1364 W Lake, Chicago, Ill.
Great Western Smelting & Refining Co., 41st & Wallace, Chicago, Ill.
Hendricks Bros., 49 Cliff, New York
Honkamp Bros. (Antimonial & Lead Alloys), 3951 Wentworth av, Chicago, Ill.
Illinois Smelting & Refining Co., 410 N Peoria, Chicago, Ill.
International Lead Refining Co., E. Chicago, Ind.
Johnson J. D. Co., 43 Boerum pl, Brooklyn, N. Y.
Kramer H & Co., 1330 W 21st pl, Chicago, Ill.
Lawrence Shot & Lead Co., Omaha, Neb.
Lissberger Marks & Son, 281 Borden av, Long Island City, N. Y.
MAGNOLIA METAL CO., 113 Bank, New York *See adv index at end of book*
Maryland Brass & Metal Wks., Dept. H, Calvert & Federal, Baltimore, Md.
Merchant & Evans, Washington av & 21st, Philadelphia, Pa.
Metals Refining Co., Inc., Edison bldg, Chicago, Ill.
Murphy E. L. & Company, 114 W Van Buren, Chicago, Ill.
Nassau Smelting & Refining Works, Ltd., 603 W 29th, New York
National Copper & Smelting Co., 1895 Coltman rd, Cleveland, O.
O'Connor J. J. & Co. (Dealers), Oliver bldg, Pittsburgh, Pa.
Ohio Metal Co., 1137 N 4th, Columbus, Ohio
Pearlman M. M. & Co., Fox bldg, Phila, Pa.
Richards & Company (Inc.), 192 Beverly, Boston, Mass.
Rochester Lead Works, 380 Exchange, Rochester, N. Y.
St. Joseph Lead Co., 60 Wall, New York
Sandoval Zinc Co., 410 N. Peoria, Chicago, Ill.
Sofranscy H. Co., Allentown, Pa.
Trotter Nathan & Co. (Jobbers), 36 N Front, Phila., Pa.
Union Smelting & Refining Co. ("Usarco"), St. Charles, Newark, N. J.
United Lead Co., 100 E 42nd, New York
United Metals Selling Co., 25 Broadway, New York
United Smelting & Aluminum Co. Inc., 183-189 Commerce, New Haven, Conn.
U. S. Reduction Co., E Chicago, Ind.
U. S. Smelting, Ref. & Mining Co., ("U. S. S. Co."), 55 Congress, Boston, Mass.
Van Dyke Smelting & Refining Wks., Inc., 94 Van Dyke, Brooklyn, N. Y.
Vernon Metal & Produce Co., 25 Beaver, New York
Vogelstein L. & Co., 42 B'way, New York
Waterbury Scrap Iron Co., Waterbury, Conn.

7342—Lead Pipe Couplings & Fittings

Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Jones Jas. Co., 201 Leroy, Los Angeles, Cal.
Northwest Lead Co. ("Bunker Hill"), 1744 4th av S, Seattle, Wash.
Rochester Lead Works, 380 Exchange, Rochester, N. Y.

7343—Lead Pipe, Sheet & Pig Lead Mfrs.

American Lead Co., 3116 Penn av, Pittsburgh, Pa.
Am. Smelters Securities Co., 201 1st, San Francisco, Cal.
Am. Smelting & Refining Co., 120 Broadway, New York
Baker Lead Mfg. Co., 28 Cherry, Worcester, Mass.
Belmont Smelting & Refining Works, Inc., 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book
Blatchford E. W. Co., 230 N. Clinton, Chicago, Ill.
Brooklyn Alloys Co., 17 Walton, Brooklyn, N. Y.
Chadwick-Boston Lead Co., Boston, Mass.
Charleston Lead Works, Charleston, S. C.
Columbia Smelting & Refining Works, 366 West, New York
Crown Metal Co., 259 Washington, Milwaukee, Wis.
Detroit Lead Pipe Works, 1450 21st, Detroit, Mich.
DuBois F. M. & Co. (Dirs.), 247 9th av, New York
Eagle Picher Lead Co. ("Eagle"), 208H S La Salle, Chicago, Ill.
Eagle Smelting & Refining Works, 233 B'way, New York
Fleck Bros. Co., 44 N 5th, Philadelphia, Pa.
GARDINER METAL CO., 1364 W Lake, Chicago, Ill.
Gibson & Price Co., Swetland bldg., Cleveland, O.
Hoyt Metal Co., Boatmen's Bank bldg, St. Louis, Mo.
Jacobson I. M. & Sons Co. (Lead Pipe), 70 Catherine, Detroit, Mich.
Johnson J. D. Co. (Lead Pipe Only), 43 Boerum pl, Brooklyn, N. Y.
Kahn Bros., 785 Humboldt, Brooklyn, N. Y.
Lang E. M. Co., 341 Fore, Portland, Me.
Lawrence Shot & Lead Co. (Sheet Lead), Omaha, Neb.
Lissberger Marks & Son, 281 Borden av, Long Island City, N. Y.
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
Michigan Smelting & Refining Co. (Pipe Lead Only), 7881 Jos. Campau av, Detroit, Mich.
See adv index at end of book
Millar Chas. & Son Co., Utica, N. Y.
Nassau Smelting & Refining Works, 607 W. 29th, New York
National Lead Co., 111 B'way, New York
National Lead & Oil Co. (of Pa.), (Sheet Lead), Commonwealth bldg, Pittsburgh, Pa.
Nelson N. O. Mfg. Co., 10th & Chestnut, St. Louis, Mo.
North American Copper Co., 52 Vanderbilt av, New York
North American Smelting Co., 9th & Thompson, Phila., Pa.
Northwest Lead Co. ("Bunker Hill"), 1744 4th av S, Seattle, Wash.
Phillips Lead & Supply Co., 91 S Main, Providence, R. I.
Raymond Lead Wks., 735 S Washtenaw av, Chicago, Ill.
Rochester Lead Works, Rochester, N. Y.
Sandoval Zinc Co., 410 N Peoria, Chicago, Ill.
Tatham & Bros. (Lead Pipe & Sheet Only), 261 Water, New York
Tillinghast L. H. Supply Co., 162 Dorrance, Providence, R. I.
United Lead Co., 100 E 42nd, New York
United Smelting & Aluminum Co., Inc., (Pig Head Only), 189 Commerce, New Haven, Conn.
U. S. Indestructible Gasket Co., 831 E 15th, Brooklyn, N. Y.
See adv index at end of book
Wensley Metal Products Co. (Lead, Pipe and Sheet), Denver, Colo.
Windsor Mfg. Co., 570 Clinton, Milwaukee, Wis.

7344—Lead Refiners (Electrolytic)

Balbach Smelting & Refining Co., 180 Broadway, New York

Belmont Smelting & Refining Works Inc. (Belmont Brand—Bar, Block and Pig), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book
United Smelting & Aluminum Co., Inc., U. S. Metals Refining Co., 61 B'way, New York

7345— *Lead Refining Plants

Northwest Lead Co. ("Bunker Hill"), 1744 4th, Seattle, Wash.

7345a— Lead Resinate

Fergusson Alex C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Meyer, J., & Sons, Bourse bldg, Phila., Pa.
National Oil Products Co., Harrison N. J.
Scheel Wm. H., 179 Water, New York
See adv index at end of book

7345b— Lead Salts

Powers-Weightman-Rosengarten, 916 Parrish, Phila., Pa.

7345c— Lead Sheets

Hoyt Metal Co., Boatmans Bank bldg, St. Louis, Mo.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book

7345d— Lead Sulphate

Eagle Picher Lead Co., 208 S La Salle, Chicago, Ill.
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Pennsylvania Salt Mfg. Co., Widener bldg, Phila., Pa.
St. Louis Smelting & Refining Co., International Life bldg, St. Louis, Mo.

7345e— Lead (Tinted Paint)

Chadwick Boston Lead Co., 162 Congress, Boston, Mass.
CHICAGO VARNISH WORKS, 2100 Elston av, Chicago, Ill.
DUPONT E. I. DE NEMOURS & CO. INC., Paint & Varnish Dept., 3500 Grays Ferry rd, Phila., Pa.
See adv index at end of book
Lewis John T. & Bros. Co., Lafayette bldg, Phila., Pa.

7346—Lead Traps, Bends & Ferrules

American Lead Co., 3116 Penn av, Pittsburgh, Pa.
Am. Smelting & Refining Co., 120 Broadway, New York
Blatchford E. W. Co., 230 N Clinton, Chicago Ill.
Chadwick Boston Lead Co., 162 Congress, Boston, Mass.
Crane Co., 836 S. Michigan av, Chicago, Ill. *See adv index at end of book*
Crown Metal Co. (Traps & Bends Only), 259 Washington, Milwaukee, Wis.
Detroit Sanitary Supply Co., 1191 2d, Detroit, Mich.
Du Bois F. N. & Co., 247 9th av, New York
Eagle Picher Lead Co. ("Eagle"), 208H S. La Salle, Chicago, Ill.
Gardiner Metal Co., 1364 W. Lake, Chicago, Ill.
Hoyt Metal Co., Boatmans Bank bldg, St. Louis, Mo.
Johnson J. D. Co. (Traps & Bends Only), 43 Boerum pl, Brooklyn, N. Y.
Mechanicville Specialty Supply Mfg. Co., **"J. R. S. Simplex" Ferrules),** Mechanicville, N. Y.
National Lead Co., 111 B'way, New York
National Lead & Oil Co. (of Pa.), Commonwealth bldg, Pittsburgh, Pa.
Nelson N. O. Mfg. Co., 10th & Chestnut, St. Louis, Mo.
North American Copper Co., 52 Vanderbilt av, New York
Northwest Lead Co. ("Bunker Hill"), 1744 4th av S, Seattle, Wash.
Raymond Lead Wks., 735 S Washtenaw av, Chicago, Ill.
Rochester Lead Works, Rochester, N. Y.
Tatham & Bros. (Traps and Bends only), 261 Water, New York
United Lead Co., 100 E 42nd, New York
Wensley Metal Products Co., Denver, Colo.
Windsor Mfg. Co., 570 Clinton, Milwaukee, Wis.

7347—Lead (Wedge & Ornamental)

American Lead Co., 3116 Penn av, Pittsburgh, Pa.
Chadwick-Boston Lead Co., Boston, Mass.
Crown Metal Co. (Wedge Only), 259 Washington, Milwaukee, Wis.
Eagle Picher Lead Co., 208 S La Salle, Chicago, Ill.
North American Copper Co., 52 Vanderbilt av, New York
Rochester Lead Works, 380 Exchange, Rochester, N. Y.
Wensley Metal Products Co., Denver, Colo

7347a— Lead (White in Oil)

See also White and Red Lead Mfrs.
CHICAGO VARNISH WORKS, 2100 Elston av, Chicago, Ill.
DUPONT E. I. DE NEMOURS & CO. INC., Paint & Varnish Dept., 3500 Grays Ferry rd, Phila., Pa.
See adv index at end of book
National Lead Co. ("Dutch Boy"), 111 B'way, New York

7348— Lead Wool

Belmont Smelting & Refining Works Inc., 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book
Brooklyn Alloys Co., 17 Walton, Brooklyn, N. Y.
Chadwick-Boston Lead Co., 162 Congress, Boston, Mass.
Eagle-Picher Lead Co., 208 S La Salle, Chicago, Ill.
McLaughlin's Sons Co., 234 N 12th, Brooklyn, N. Y.
MAGNOLIA METAL CO. ("Bayway," Calking & Block Lead), 113 Bank, New York *See adv index at end of book*
Northwest Lead Co. ("Bunker Hill"), 1744 4th, Seattle, Wash.
United Lead Co. ("Ulco"), **100 E 42nd, New York**
United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.
Wensley Metal Products Co., Denver, Colo.

7349—Lead & Block Tin (Ribbon)

American Lead Co., 3116 Penn av, Pittsburgh, Pa.
Chadwick-Boston Lead Co., Boston, Mass.
Eagle-Picher Lead Co., 208 S La Salle, Chicago, Ill.
Rochester Lead Works, 380 Exchange, Rochester, N. Y.
Union Smelting & Refining Co. ("Usarco"), St. Charles, Newark, N. J.
United Lead Co., 100 E 42nd, New York

7350— Leaders (Cattle)

Covert Mfg. Co., Troy, N. Y.
Landers, Frary & Clark, New Britain, Conn.
Leavitt Mfg. Co., Urbana, Ill.
Phillips M. T., Pomeroy, Pa.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
Sargent & Co., New Haven, Conn.
Smith Seymour & Son, Oakville, Conn.
Stearns E. C. & Co., 450 Oneida, Syracuse, N. Y.

Leaders (Dog)

See Chains, Dog Leads

7351—Leadite For Pipe Joints

Leadite Co., Land Title bldg, Philadelphia, Pa.

7352— Leads (Gill Net)

Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*

7353— Leads (Sounding)

Anthe Mach. Works, Covington, Ky.
Chadwick-Boston Lead Co., Boston, Mass.
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
United Lead Co., 111 B'way, New York
Wilcox, Crittenden & Co., Inc. (& Net), Middletown, Conn.
See adv index at end of book

7354— Leaf (Composition)

Coe W. H. Mfg. Co., 74 Weybosset, Providence, R. I.
Drakenfeld B. F. & Co., Inc. (Metal Exp. & Imp.), 50 Murray, New York
Swift M. & Sons, 100 Love Lane, Hartford, Conn.

7355— Leather

CALIFORNIA.

BENICID—Kulmann Salz & Co. (Harness)
BERKELEY—Manasse-Block Tanning Co.
SAN FRANCISCO—Dolliver & Bros., 619-21 Mission
Eagle Tannery, 26th & San Bruno
Frank S. H. & Co., 416 Battery
Legallet-Hellwig Norton Co., 1600 Fairfax
Patrick A. B. Co., 1700 Fairfax av
Poetsch & Peterson, 3112 Army
Thorne & McMann, 22 Richard
Wagner Leather Co., 59 2nd
SANTA CLARA—Eberhard Tanning Co.
STOCKTON—Wagner Leather Co.

CONNECTICUT.

BRIDGEPORT—Palmer N. & Co. (Polishing)
GLASTONBURY—Roser Hermann & Son
WINSTED—Dudley George & Son Co.

DELAWARE.

WILMINGTON—Barr Dougherty, Inc.
Beadenkopf Wm. Co. (Morocco)
Bonner James Q. (Glazed Kid)
Delaware Leather Kid Co. (Glazed Kid)
Delmarvia Leather Co. (Glazed Kid)
Lynch Francis E. (Morocco)
New Castle Leather Co. (Morocco)
Pyle Leather Co.
Standard Kid Mfg. Co.

GEORGIA.

BUFORD—Allen Bond Co., Inc. (Harness, Patent & Enameled)

ILLINOIS.

CASEYVILLE—Atlas Leather Mfg. Co.
CHICAGO—Allen W. D. Mfg. Co. (Lace), 566 W Lake
Amer. Hide & Leather Co. (Harness), 1330 Elston av
American Tanning Co., 1282 W North av
Anchor Leather Co., 1001 W Division
Armour Leather Co. (Harness), 175 N Franklin
Chicago Tanning Co., 130 W Austin
Eagle Ottawa Leather Co. (Patent & Enameled), 228 W Lake
Eisendrath B. D. Tanning Co., 130 N Wells
Gutmann & Co., 1511 Webster av
Huch Leather Co., 1922 Mendell
Kieffer Edgar S. Tanning Co., 216 W Lake
Monarch Leather Co., 1127 Division
Perlman Charles & Co., 1820 W Webster av
Reed S. I. & Co., 210 W Lake
Reed Wm. W. (Harness), 235 W Lake
Republic Tanning Co. (Glove), 2301 S Paulina
Superior Tanning Co., 1254 W division
Weil J. M. & Co., 3057 N Rockwell
Weil & Eisendrath, 2221 Elston av
Wilder & Co., 228 W Lake
JOLIET—Hauck & Brown Leather Co.
MORRIS—Woelfel Leather Co. (Harness)

INDIANA.

COLUMBUS—Haw Creek Leather Co.
Mooney W. W. & Sons (Harness)
INDIANAPOLIS—Am. Leather Products Co., 22nd & Monteim
NEW ALBANY—Barth A. Leather Co. (Harness Collar)
Moser George Leather Co.
Woelfel-Day Leather Co.

IOWA.

DES MOINES—Cownie Tanning Co.
Globe Tanning Co.
DUBUQUE—Dubuque Tanning & Rope Co.
Ede's Rope Tanning Co.

KANSAS.

ATCHISON—Atchison Leather Products Co.

KENTUCKY.

ASHLAND—Ashland Leather Co.
LOUISVILLE—Excelsior Oak Tanning Co., 918 Dumesnil
Globe Tanning Co., 918 Dumesnil
Ritter Richard, Herman & 34th

MARYLAND.

BALTIMORE—Rosenburg Happ & Siegel, Holliday & Hillen
FREDERICK—Birely G. K. & Sons

MASSACHUSETTS.

BOSTON—Agoos S. T. Tanning Co., 145 South
Algonquin Leather Co., N Woburn
American Leather Co. (Glazed Kid), 116 South
Armour Leather Co., 242 Purchase
Ashland Leather Co., 210 South
Ayer Tanning Co. (Calf), 129 South
Baker & Kimball, Inc., 33 South
Beggs & Cobb (Patent & Enameled), 76 South
Besse Osborne & Odell, 51 South
Bristol Patent Leather Co., 85 South
Brooks E. D. & Co. (Glazed Kid), 22 Lincoln
Burns Fecht & Bicknell Co. (Glazed Kid, 20 East
Carr F. J. & Co., 202 Lincoln
Cattaraugus Tanning Co. (Sole), 321A (S. B.)
Columbia Leather Co., 43 South
Corey Leather Co., 179 South
Corona Kid Mfg. Co., 129 South
Day-Gormley Leather Co., 195 South
Donnell, Carman & Mudge, Inc., 65 South
Dunn-Green Leather Co. (Patent & Enameled), 48 Lincoln
Farrell John Co., 261 Franklin
Fleet Frank E. Co. (Patent Enameled), 112 Beach
Goldberg H. & Co., 106 South
Harris Wheaton Co. (Inner Soles), 157 Pearl

(Continued on following page)

Leather—Continued

MASSACHUSETTS—BOSTON—Continued
Harrison & Co., 90 South
Tenwood & Nowak, Inc. (Glazed Kid), 95 South
Hunt-Rankin Leather Co., 106 Beach
Hunter William H. T. & Co. (Glazed Kid), Albany bldg
Kistler Lesh & Co. (Sole Leather & Belting Butts), 332 Summer
Korn Leather Co., 60 South
Lawrence A. C. Leather Co. (Patent Leather, Calf Skins, Side & Sheep Leathers, Grain & Suede Finish), 210 South
Leviseur Haroth & Co., 157 South
Liberty Leather Co., 86 South
Marshall John Leather Co., 24 East
Mills E. C. Leather Co. (Iroquois Calf, etc.), 97 South
Moench C. & Sons Co., 117-119 Beach
Morrill Leather Co., 66 Lincoln
National Calf Skin Co., 210 South
National Leather Co. (Sole), 210 South
Newhall G. S. & Co. (Sheep), 112 Beach
Northwestern Leather Co., 14 South
O'Hara F. J. Leather Co., 110 South
Ohio Leather Corp, 33 South
Pritzker Aaron, 18 Elm
Simpson Leather Co. (Upper Shoe Leather), 40 Lincoln
Snyder H. S. & M. W., Inc., 65 South
Tanners Cut Sole Co., 321 Summer
Tarlow Bros., 108 South
Thayer Foss Co. (Patent & Enameled), 15-17 South
United States Leather Co. (Harness), 204 Essex
Winslow Bros. & Smith Co., 66 Lincoln av
Wright & Wright, 717 Atlantic av
BROCKTON—Avon Sole Co. ("Avon")
Bates M. H. & Co.
Callahan J. L. & Co.
Clayton W. W. & Co., 7 E Market
Clifford Leather Co., 78 Franklin
Hide-Ite Leather Co., 75 Ames
Standard Leather Co., 60 Franklin
Tacker Leather Co., 63 Franklin
DANVERS—Creese & Cook Co.
Widen-Lord Tanning Co.
HAVERHILL — Lennox & Briggs (Morocco)
HUDSON—Hudson Sole Co.
LEOMINSTER—Pyrotex Leather Co. (Imitation)
LOWELL—Stead James & Son
LYNN—Agoos Leather Co., 146 Boston
Barnet J. S. & Sons, Inc. (Calf & Patent Leather), 128 Boston
Benz Kid Co., 209 Market
Dietz R. Leather Co., 155 Pleasant
Donohue Bros. Leather Co. (Morocco), 143 Pleasant
Federal Tanning Co., 11 Federal
Hilliard & Merrill, Inc. (Cut Soles), 130 Eastern av
Hoffman A. B. & Son, Inc. (Crown Kid), 500 Boston
Kelley Thomas A. & Co., 627 Summer
Lincoln Blizzard Co. (Morocco), 218 Market
Lynch Bros. Leather Co. (Morocco)
NORTH ADAMS—Barber Leather Co.
NORTH WOBURN — Algonquin Leather Co. (Patent & Enameled)
PEABODY—Armstrong Leather Co.
Barry J. F. (Kid)
Budgell W. J. & Sons (Sheep, Kid & Calf)
Chain Leather Co.
Cox B. E. Leather Co. (Sheep)
Crehore J. S. & Co.
Essex Tanning Co. (Chrome)
Green & Hayes (Sheep)
Ingraham J. F., Jr. (Sheep)
Korn Leather Co.
McCarthy E. W. & Sons (Sheep)
McCarthy J. & Son
Morrill Leather Co. (Sheep)
National Calfskin Co.
Osborn J. E. & Co. (Sheep)
Osborne C. P. Co. (Sheep)
Pearse Leather Corp.
Poor N. H. & Co. (Sheep)
Southwick L. B. Co. (Sheep)
Trimont Leather Co. (Sheep)
U. S. Tanned Pigskin Co.
Vaughn George C. (Calf Skins)
Verza Leather Co.
SALEM—Acme Leather Co.
Cook Bros. Leather Co.
Harmon W. P. & E. F.
Helburn Thompson Co.
Marrs Bros. Leather Co.
Mulholland A. J. Co.
O'Keefe W. B. Leather Co.
WOBURN—Cummings E. Leather Co.
Fox William P. & Son
Hopkinson Leather Co. (Patent & Enameled)
Kimball B. F. & Co. (Patent & Enameled)
Murray Leather Co. (Patent & Enameled)
Parker F. C. & Sons
Woburn Leather Co. (Patent & Enameled)

MICHIGAN.

BUCHANAN—Buchanan Leather Co.
DETROIT—Armstrong Tanning Co. (Harness), Hart & Charveloix
Schmidt Carl E. & Co., 464 Macomb
GRAND RAPIDS—Wallin Leather Co.
HOLLAND—Cappon & Bertsch Leather Co.
MANISTEE—Manistee Tanning Co.
MUSKEGON—Loescher Tanning Co.
SAGINAW—Carlisle F. W. & F. Co.
Koenitzer Tanning Co.

MINNESOTA.

MINNEAPOLIS—Gordon N. & Co., 612 1st av
Nott W. S. Co., 2nd av N & 3rd

MISSOURI.

KANSAS CITY—Jones Leather Co., 818 B'way
ST. JOSEPH—St. Joseph Tanning Co.
ST. LOUIS—California Tanning Co., 1905 Shenandoah av
Kayser Tanning Co., 3912 N B'way
Kessler's A. Sons Oak Leather, 3217 N B'way

NEW JERSEY.

CAMDEN—Castle Kid Co.
Evans John R. & Co., 2d & Erie
Jersey Leather Co. (Morocco)
Peerless Kid Co.
Ruby Kid Co.
HACKETTSTOWN—Lackawanna Leather Co. (Patent & Enameled)
NEWARK—Amer. Leather Mfg. Co. (Mfrs. Auto Carriage & Furn. Leather), Nutman & New
Atlantic Leather Co. (Enameled), av A
Beaver Leather Manufacturing Co., 508 Frelinghuysen av
Blanchard Bros. & Lane (Enameled), 29 Bruen
Cummings Thos. F. Co., 62 Marshall
Elliott John H., 356 Adams
Fleissner Christian H. Jr., N. J. R. R. av
General Leather Co. (Patent & Enameled), 414 Frelinghuysen av
Good Bros. Leather Co., 142 Frelinghuysen
Kaufherr & Co., 42 Garden
Kaufherr & Siegel, 200 Magazine
Kelly & McLaughlin (Enameled), 93 Colden
Ladew J. H. Co., Plank rd
Lichtman J. & Son, Frelinghuysen av
Loehnberg A. & Co. (Rough Splits), av A
McCormick E. H. & Sons (Enameled), 2822 av C
Mentz John J., 62 Marshall
Nickelsburg Bros. Co. (Harness), Meadow
Nieder Charles, 231 Emmet
Nieder John, 241 Emmet
Opperheimer Otto H. Co., 382 Frelinghuysen av
Radel Leather Mfg. Co. (Enameled), Wilson av
Reilly John (Patent & Enameled), 40 av C
Reilly P. & Son (Patent & Enameled), Passaic av
Riordan Leather Co. (Enameled), 256 South
Schaeffer F. A. (Fancy for Bookbinders), 55-65 Bergen
Seton Leather Co. (Enameled), 66 Verona av
Smith L. M. & Sons (Enameled), 15 Arch
Sommer H. F. & Co., 219 Wilson av
Steinhardt G. (Fancy), 201 McWhorter
Stengel Geo. Inc. (Patent & Enameled), 49 Weston av
NEW JERSEY—Newark—continued
Stengel & Rothschild (Patent & Enameled), Maine
Sterling Leather Wks. (Fancy), 229 Frelinghuysen av
Strauss M. & Sons, 506 Frelinghuysen av
Wallington Leather Mfg. Co., 50 Kent
Weigand & Doerzbacher, 54 Morris av
Weyrauch Geo., 54 Morris av
Ziegel Eisman & Co., 93 Frelinghuysen av

NEW YORK.

BRONXVILLE—Kraft Fred W. & Sons Co.
BUFFALO—Buffalo Leather Goods Co., 362 Main
Schoellkopf & Co. (Sheep), cor. Perry & Mississippi
Zeller's G. F. Sons (Harness), 279 Howard
GLOVERSVILLE—Bleyl J. C.
Bradt H. R.
Gloversville Abraiding Co.
Levor G. & Co.
Mills Brothers
Napatan Co.
Robinson J. G. & T.
Rogers & Smith
Stockamore Leather Co.
Troutwine George F. & Sons Co.
Wood & Hyde Co.
JOHNSTOWN—Adams & Co.
Argersinger L. & Sons
Baker A. J. Co.
Johnstown Mocha Mills Co.
Karg Bros.
King Charles
Maylender Bros. Co.
Miller Warren & Sons
Mocha Dressing Co.
Topp Herbert W.
Vosburgh Edwin
MIDDLETOWN—Howell - Hinchman Co. (Patent & Enameled)

NEW YORK CITY

Borough of Brooklyn

BROOKLYN—Hemmerdinger J. H. & Son, Vandervoot av
Rockwell Thereon (Sheep), 337 Flushing av

Borough of Manhattan

NEW YORK—Armstrong Leather Co., 174 William
Barnet Leather Co., 360 Madison av
Berkovitz Goldsmith & Spiegel, 35 Spruce
Bosch R. J., 59 Pearl
Burstein Chas. & Bros., 11 W 19th
Campbell John & Co. (Bookbinders'), 28 Spruce
Central Leather Co., 17 Battery pl
Fleming D. B. & Sons, 10 Jacob
Frank B. & Sons, 40 Spruce
Garnar Thomas & Co., 181 William
Geisman Musliner & Brightman, Inc., 28 Spruce
Hatch Bros. (Chrome), 87 Gold
Hess & Drucker, 92 Gold
Johnson Leather Co. (Furniture), 43 W 16th
Muir J. S., 27 Spruce
New Castle Leather Co. Inc. (Glazed Kid), 100 Gold
Paskus J. & Son (Sole), 103 Gold
Rees' Hans Sons Inc., 39 Frankfort
Stevenson Walter (Dresser), 4 Jacob
Surpass Leather Co., 17 Battery pl
Thow D. John, 11 Ferry
Union Tanning Co., 17 Battery pl
United States Leather Co. (Sole & Belting), 17 Battery pl
Waterman Mart Co., 78 Beekman
Williams H. E. & C. D., 74 Gold
Young Richard Co., 36-38 Spruce

End of New York City

OGDENSBURG—Burt Wool & Leather Co.
OLEAN—Empire Tanning Co.
Quirin Leather Press Co.
ROCHESTER—Brown C. D. & Co., 6 Redfield

OHIO

ASHTABULA—Ahtabula Hide & Leather Co.
Raser Tanning Co.
CINCINNATI—Acme Tanning Co., 2528 Colerain av
Amer. Oak Leather Co., Kenner & Dalton av
Bangert John & Son, Straight & Mass
Eagle Counter & Leather Co., Hulbert & Freeman
Griess Pfleger & Co., 810 Sycamore
Queen City Tanning Co., York & McLean
Rasche Bros., 2006 Plum
Suhre Rudolph Sons Co., 1300 Harrison av
CLEVELAND—Cleveland Tanning Co., Denison & B. & O. R. R.
Kroehle's A. Sons Co., Jennings rd
CONNEAUT—Conneaut Leather Co. (Patent & Enameled)
KENTON—Machetanz F.
PIQUA—Wiley T. J. & Co.
SIDNEY—Given R. & Son Co. (Harness) Sidney Tanning Co.
SPRINGFIELD—Bosca Reed Mfg. Co.
Bretney H. V. & Co. (Dirs.)

OREGON

ALBANY—Albany Tanning Co.
PORTLAND—Weber Tanning Co., 1712 Macadam

PENNSYLVANIA

CHESTER—Chester Enameling Co. (Enameled)
Price William G. & Sons
CORRY—Auer C. A. (Polishing)
LANCASTER—Groezinger's G. & Son ("Helvetia")
MOUNT UNION—Mount Union Tanning & Extract Co.
PHILADELPHIA—Altenderfer H. B., 331 Arch
Amalgamated Leather Co. (Kid), 22 N 5th
Belgrade Leather Co., 4450 Belgrade
Best Kid Co. (Glazed), Leopard & Wildey
Bockius C. Co. (Kid), Willow & American
Bristol Patent Leather Co., 315 Arch
Burk Bros. (Kid), 925 N 3d
Crescent Mfg. Co. (Heel Plates), 734 Green
Diamond Leather Co., 307 Race
Dungan Hood & Co. Inc. (Kid), 240 W Susquehanna av
England Walton Co. Inc., 3d & Vine
Forst H. S. & Co., 331 Cherry
Hale Chas. & Bros., 339 N Third
Holmes H., 52 E Allen
Keystone Leather Co., 315 Arch
McNeely & Price (Glazed), 172 N 4th
Mitchell & Pierson (Kid), Schuylkill av, Reed & 36th
Perkins & McNeely (Morocco), Wayne av & Bristol
Quaker City Morocco Co., Huntington & Reese
Smith Robert D. & Co. (Kid), 307 Arch
Wilkinson & Roger (Cut Soles), 318 N 3rd

FABRIKOID

FABRIKOID is made on a base of strong cotton fabric which is rendered waterproof, extremely durable and beautiful by surface treatment with Pyroxylin. It is made in a variety of colors, grains and weights to fit all uses. It replaces leather and other materials for many purposes.

SHEETINGS AND HEAVY FABRIKOID—These vary from the lightest material for glued book covers to extremely heavy fabrics.

USED FOR MAKING Trunks, Traveling Bags and Cases, Belts, Hat Sweats, Shoe Findings, Bindings and Welts, Bookbindings, Albums, Menu Cards, Table Covers, Runners, Luncheon Sets, Pillows, Pennants, Play Suits, Screens, Cameras, Mats, Pads, Gun Cases, Golf Bags, Baseballs, Cases (Manicure, Musical, Sample, Surgical, Spectacle, etc.), Novelties, etc.

UPHOLSTERING AND TRIMMING—Furniture, Automobiles, Trucks, Go-Carts, Boats, Airplanes. Craftsman Fabrikoid is especially recommended for covering permanent automobile tops and for finishing automobiles.

WINDOW CURTAIN MATERIALS—Suitable for automobiles, busses, steam and electric cars. Also vestibule curtain material.

VENTUBE—Flexible tubing used for auxiliary ventilation in coal and metal mines, tunnel driving, etc.

PONTOP rubber surfaced top and curtain materials made in single and double texture; black, drab or whipcord back.

DU PONT RUBBER CLOTH made in variety of weights and widths for all purposes requiring flexible waterproof fabrics of the rubber coated type.

DU PONT FABRIKOID REG.U.S.PAT.OFF.

E. I. DU PONT DE NEMOURS & CO., Inc.

Fabrikoid Division, Newburgh, N. Y.

DU PONT FABRIKOID REG.U.S.PAT.OFF.

PITTSBURGH—Colonial Supply Co., 217 Water
See adv index at end of book
Flaccus Wm. Oak Leather Co., 1228 River av
Wettach & Co., Columbia Bank bldg
READING—Goetz F. Sons Co. (Glazed Kid)
RIDGEWAY—Elk Tanning Co.
WILLIAMSPORT—Mosser J. K. & Co. (Boots & Shoe Soles)
Parker & Hafner (Suspender Trimmings)

RHODE ISLAND.

PAWTUCKET—Jillson, O. A.
PROVIDENCE—Feinstein Jacob, 122 N Main
Stone C. M. & Co., 146 Benent

TENNESSEE.

CHATTANOOGA—Scholze Robt.

TEXAS.

DALLAS—Schoellkopf Co. (Jobbers)

VIRGINIA.

ALEXANDRIA—Smooth C. C. & Sons
PETERSBURG—Petersburg Leather Co.
RICHMOND—Amer. Lace Leather Co., Virginia & Canal
Virginia Leather Co., 22D McDonough

WASHINGTON.

EVERETT—Haines W. W. Tanning Co.
SEATTLE—North Coast Tanning Co., 1133 W 46th

WISCONSIN.

FOND DU LAC—Rueping Fred Leather Co.
KENOSHA—Allen's N. R. Sons Co.
MILWAUKEE—Anstedt Co. (Collar), 560 Commerce
Conrad Bros., 682 Commerce
Elkert Bros., 1674 Booth
Gallun A. F. & Sons (Calfskins), 1000 N Water
Gebhardt A. L. & Co., 306 E Water
Pfister & Vogel Leather Co., 443 Virginia
Russia Fur & Tanning Co., 330 Florida
Trostel Albert & Sons Co., 6121 Commerce
Western Leather Co., 878 Marshall
Yunker J. B. & Sons (Dealers), 261 W Water
RACINE—Eisendrath B. D. Tanning Co.
SHEBOYGAN—Badger State Tanning Co.

7356— Leather (Artificial)

Athol Mfg. Co., Athol, Mass.
Barrell Wm. L. Co., 59 Leonard, New York
Boston Woven Hose & Rubber Co. ("Synthide"), Cambridge, Mass.
Bridgeport Coach Lace Co., 313 Wood av, Bridgeport, Conn.
Burkart F. Mfg. Co., 4900 N 3d, St. Louis, Mo.
Chase L. C. & Co. ("Chase Leatherwove"), 89 Franklin, Boston, Mass.
Diamond State Fibre Co., Elsmere, Del.
Duncan W. H. Co., Inc., 76 Worth, New York
DU PONT E. I. de NEMOURS & CO., INC., Fabrikoid Div. ("Fabrikoid." See adjacent adv), Newburgh, N. Y.
See adv index at end of book
Duratex Co. ("Duratex" & "Duratop"), 768 Frelinghuysen av, Newark, N. J.
Haarty J. C. Inc. ("Texhide"), 10 High New Haven, Conn.
Hettrick Mfg. Co., Toledo, O.
Hill-Smith Metal Goods Co. ("H-S" for Ford Doors), 102 Brookline av, Boston, Mass.
Keratol Co. ("Keratol"), 348 Van Buren, Newark, N. J.
Keystone Solether Corp. (Synthetic), 320 Broadway, New York
Landers Bros. Co. (Celluloid Imitation), Toledo, O.
Lounsbery A. P., 15 W 5th, Cincinnati, O.
MASLAND DURALEATHER CO. (THE), ("Duraleather"), Amber & Westmoreland, Philadelphia, Pa.
See adv index at end of book

ARTIFICIAL LEATHER
Duraleather
"The Durable Leather Substitute"
For Automobile, Carriage and Furniture Upholstery, Gimps and Welts, California Tops
THE MASLAND DURALEATHER COMPANY
Amber & Westmoreland Sts., Philadelphia, Pa.

Mutty L. J. Co., 175 Congress, Boston, Mass.
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
O'Bannon Corp., 200 5th av, New York
Pantasote Co. ("Pantasote"), 11 B'way, New York
Pantasote Leather Co., Passaic, N. J.
Sillcocks-Miller Co. ("Texodren," for Upholstering, etc), So. Orange, N. J.
Sloane W. & J. (Selling Agents for Masland Duraleather Co.), Dept. H, 5th & 47th, New York
Standard Textile Products Co., 320H B'way, New York
Toledo Auto Fabric Co., Blucher & Buckingham, Toledo, O.
Weymouth Art Leather Co., East Weymouth, Mass.
Zapon Leather Cloth Co. ("Zapon," "Broncho," "Muleskin" Leather Cloth, "Morrocoline," "Pinto," "Mustang"), 247 Park av, New York

7357—Leather (Artificial-Imitation-Substitute)

DU PONT E. I. DE NEMOURS & CO., INC., Fabrikoid Div. ("Fabrikoid" see adjacent adv.), Newburgh, N. Y.
See adv index at end of book
Masland Duraleather Co., The, Amber & Westmoreland, Philadelphia, Pa.
See adv index at end of book

7358—Leather (Automobile Tire)

Chicago Tanning Co., 1500 Dayton, Chicago, Ill.
Pfister & Vogel Leather Co., Milwaukee, Wis.
Wilder & Co., 1038 Crosby, Chicago, Ill.

7359—Leather Butts, Bends Or Sides

Barwood, L. J., Mfg. Co. ("Barwood"), Stoneham 80, Boston, Mass.
See adv index at end of book
Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
Central Leather Co. (Rough Belting Butts & Bends Only), 17 Battery pl, New York
Chicago Rawhide Mfg. Co. (The), 1307 Elston av, Chicago, Ill.
See adv index at end of book
Detroit Leather Specialty Co. ("Wear Well"), 375 Beecher av, Detroit, Mich.
Graton & Knight Mfg. Co., 244 Franklin, Worcester, Mass.
See adv index at end of book
Ladew Jones Co. (Bends), 105 South Boston, Mass.

7360—Leather Covering For Iron Pulleys

Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
CHICAGO BELTING CO., 110 N Green, Chicago, Ill.
See adv index at end of book
Chicago Rawhide Mfg. Co. (The), 1307 Elston av, Chicago, Ill.
See adv index at end of book
Graton & Knight Mfg. Co. (The), 244 Franklin, Worcester, Mass.
See adv index at end of book

Leather Goods

See the Specific Articles Required

7361— Leather (Harness)

Allen Bona (Inc.), Buford, Ga.
Allen N. R. Sons Co., Kenosha, Wis.
American Hide & Leather Co., 1330 Elston av, Chicago, Ill.
Anstedt C. Leather Co., 560 Commerce, Milwaukee, Wis.
Armour Leather Co., 175 N Franklin, Chicago, Ill.
Atlantic Leather Co., Ave A, Newark, N. J.
Badger State Tanning Co., Sheboygan, Wis.
Bretney H. V. Co., Springfield, O.
Chicago Rawhide Mfg. Co. (The), 1307 Elston av, Chicago, Ill.
See adv index at end of book
Conrad Bros., 682 Commerce, Milwaukee, Wis.
Diamond Whip Co. (Bridles, Braided Quirts), 496 N Curtis, Chicago, Ill.
England Walton & Co., 3d & Vine, Phila., Pa.
Given R. & Son Co., Sidney, O.
Groezinger's G. Sons ("Helvetia"), Lancaster, Pa.
Haffner Bros. Co., 1130 Hopple, C W, Cincinnati, O.
Kroehle's A. Sons Co., Jennings rd, S W, Cleveland, O.
Kulmann, Salz & Co., Benicia, Cal.
Loescher J. Tannery Co., Muskegon, Mich.
Master Mfg. Co. (For Fords), 2201 S Main, Los Angeles, Cal.
Mooney W. W. & Sons, Columbus, Ind.
Nickelsburg Bros. Co., Meadow, Newark, N. J.
Pfister & Vogel Leather Co., Milwaukee, Wis.
Reid Wm. W., 231 N Wells, Chicago, Ill.
Scholze Robt. Tannery, ft E av, Chattanooga, Tenn.
Shultz Belting Co. ("Sable Oak"), Fourth & Barton, St. Louis, Mo.
Trostel A. & Sons Co., 612 Commerce, Milwaukee, Wis.
United States Leather Co., 304 Essex, Boston, Mass.
Wilder & Co. (Jobbers), 1038 Crosby, Chicago, Ill.
Williams I. B. & Sons, Dover, N. H.
Woelfel Leather Co., Morris, Ill.
Zeller G. F. & Sons, 272 Howard, Buffalo, N. Y.

7361a— Leather (Hat)

DU PONT E. I. DE NEMOURS & CO. INC. Fabrikoid Div. ("Fabrikoid" Artificial Leather, see adv. at Leather Artificial), Newburgh, N. Y.
See adv index at end of book
Masland Duraleather Co. (The), Amber & Westmoreland, Philadelphia, Pa.
See adv index at end of book

7362—Leather (Hydraulic & Valve)

Adams C. F., P. O. Box 2518H, Ft. Worth, Tex.

(Continued on following page)

Leather (Hydraulic & Valve)—Cont.

Auburn Leather Goods Co., Auburn, N. Y.
Auer C. A., Corry, Pa.
Barwood L. J. Mfg. Co. ("Barwood"), Stoneham 80, Boston, Mass.
See adv index at end of book
Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
Bickford & Francis Belting Co., 34 Pearl, Buffalo, N. Y.
CHICAGO BELTING CO., 110 N Green, Chicago, Ill.
See adv index at end of book
Chicago Hand Leather Co., 326 River, Chicago, Ill.
Chicago Rawhide Mfg. Co. (The), 1307 Elston av, Chicago, Ill.
See adv index at end of book
Cowan Andrew & Co., Louisville, Ky.
England Walton & Co. (Hydraulic), 3rd & Vine, Phila., Pa.
Etsweiler William, 335 Green, Phila., Pa.
Graton & Knight Mfg. Co. (The), 244 Franklin, Worcester, Mass.
See adv index at end of book
Groezinger's G. Sons ("Helvetia"), Lancaster, Pa.
Hough Chas. N. Mfg. Co., Franklin, Pa.
Judd & Leland Mfg. Co., Clifton Springs, N. Y.
Kendrick Valve & Washer Co., Syracuse, N. Y.
Ladew Edw. R. Co., 29 Murray, New York
Michigan Leather Packing Co., 618-620 St. Antoine, Detroit, Mich.
See adv index at end of book
National Leather Mfg. Co., Niles, Mich.
Page Belting Co., Concord, N. H.
Palmer N. & Co., Bridgeport, Conn.
Red Jacket Mfg. Co., East 3d, Davenport, Ia.
Schieren Chas. A. Co., 30 Ferry, New York
Shultz Belting Co., Fourth & Barton, St. Louis, Mo.

7362a— Leather (Lace)

Coupe Wm. Corp. (Rawhide & Tanned), 356 Franklin, Worcester, Mass.

7363— Leather (Mechanical)

Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book
CHICAGO BELTING CO., 110 N Green, Chicago, Ill.
See adv index at end of book
Chicago Rawhide Mfg. Co. (The) (Water, Oil, Steam & Heat Proof), 1307 Elston av, Chicago, Ill.
See adv index at end of book
Detroit Leather Works, 683 Lafayette av, E. Detroit, Mich.
Nott W. S. Co., 2d av N & 3d, Minneapolis, Minn.

7364—Leather Mechanical Goods

Barwood L. J. Mfg. Co. ("Barwood"), Stoneham 80, Boston, Mass.
See adv index at end of book
Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book
CHICAGO BELTING CO., 110 N Green, Chicago, Ill.
See adv index at end of book
CHICAGO RAWHIDE MFG. CO., 1307 Elston av, Chicago, Ill.
See adv index at end of book
Cincinnati Lathe & Tool Co. (16 inches to 30 inches), Oakley, Cincinnati, O.
Detroit Leather Works, 683 Lafayette av, E. Detroit, Mich.
Houghton E. F. & Co. ("Vim"), 240 W Somerset, Phila., Pa.
Michigan Leather Packing Co., Inc., 618-620 St. Antoine, Detroit, Mich.
See adv index at end of book
Raniville F. Co., Grand Rapids, Mich.

7365— Leather (Nail)

Barwood L. J. Mfg. Co. ("Barwood"), Stoneham 80, Boston, Mass.
See adv index at end of book
Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book
Chicago Rawhide Mfg. Co., 1307 Elston av, Chicago
See adv index at end of book
Parker & Hafner, Williamsport, Pa.

7366—Leather (Patent & Enameled)

Algonquin Leather Co., North Woburn, Mass.
Allen Bona (Inc.), Buford, Ga.
American Leather Mfg. Co., Newark, N. J.
American Oak Leather Co., Kenner, Dalton & McLean avs, Cincinnati, O.
Ashtabula Hide & Leather Co., Ashtabula, Ohio
Atlantic Leather Co., Ave A, Newark, N. J.
Ballard Japanning Co., Woburn, Mass.
Barnet J. S. & Sons, Inc. (Enameled), 76 South, Boston, Mass.
Beggs & Cobb Tanning Co., Boston, Mass.
Blanchard Bros. & Lane, 20 Bruen, Newark, N. J.
Bristol Patent Leather Co., 315 Arch, Phila., Pa.
Chester Enameling Co., Chester, Pa.
Cleveland Tanning Co., Denison av & B. & O. R. R., Cleveland, O.
Conneaut Leather Co., Conneaut, O.
Duncan & Sons, 315H 2d, Seattle, Wash.
Dunn Green Leather Co., 48 Lincoln, Boston, Mass.
Eagle Ottawa Leather Co., 288 W Lake, Chicago, Ill.
Fleet Frank E. Co., 1504 Commonwealth, Boston, Mass.
General Leather Co., 414 Frelinghuysen av, Newark, N. J.
Good Bros., Leather Co., 142 Frelinghuysen av, Newark, N. J.
Hopkinson Leather Co., Woburn, Mass.
Howell-Hinchman Co., Middletown, N. Y.
Kaufherr & Co., 42 Garden, Newark, N. J.
Kelly & McLaughlin, 93 Colden, Newark, N. J.
Kimball B. F. & Co., Woburn, Mass.
Lackawanna Leather Co., Hackettstown, N. J.
Lawrence A. C. Leather Co., 210 South, Boston, Mass.
McCormick E. H. & Sons, 2822 Avenue C, Newark, N. J.
Murray Leather Co., Woburn, Mass.
Pfister & Vogel Leather Co., Milwaukee, Wis.
Radel Leather Mfg. Co., Wilson av, Newark, N. J.
Reilly John, 40 Av C, Newark, N. J.
Reilly P. & Son, Passaic av, Newark, N. J.
Riordan Leather Co., 252 South, Newark, N. J.
Seton Leather Co., 62 Verona av, Newark, N. J.
Smith L. M. & Sons, 15 Arch, Newark, N. J.
Sommer H. F. & Co., 219 Hamburg pl, Newark, N. J.
Stengel Geo., Inc., Waverly, N. J.
Stengel & Rothschild, Main, Newark, N. J.
Thayer Foss Co., 15 South, Boston, Mass.

Leather (Picker)

See Textile Machinery

7367— Leather (Polishing)

Auer C. A., Corry, Pa.
Chicago Rawhide Mfg. Co. (The), 1307 Elston av, Chicago
See adv index at end of book
Palmer N. & Co., Bridgeport, Conn.
Peckham Mfg. Co., 244 South, Newark, N. J.
Yorkville Mfg. Co. Inc., 31-33-35H B'way, Brooklyn, N. Y.

7368—Leather Stuffing Apparatus

Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.

7368a—Leather (Upholstery)

Am. Leather Mfg. Co., New, Newark, N. J.
Barwood L. J. Mfg. Co. (Barwood'), Stoneham 80, Boston, Mass.
See adv index at end of book
Byron W. D. & Sons, Inc., Williamsport, Md.
Cotex Co., 366 5th av, New York
Detroit Leather Works, 683 Lafayette av, E, Detrtoit, Mich.
DU PONT E. I. DE NEMOURS & CO., INC., Fabrikoid Div. ("Fabrikoid" Artificial Leather. See adv at Leather, Artificial), Newburgh, N. Y.
See adv index at end of book
Duratex Co. ("Duratex"), 768 Frelinghuysen, Newark, N. J.
Eagle Ottawa Leather Co., 228 W Lake, Chicago, Ill.
Masland Duraleather Co. (The), Amber & Westmoreland, Philadelphia, Pa.
See adv index at end of book
O'Bannon Corp., 200 5th av, New York
Scherer H. & Co., 440 E Jefferson av, Detroit, Mich.
Zapon Leather Cloth Co., 200 5th av, New York

7369— Leathers (Pump)

Adams C. F. ("Black Star," "Bull Dog," "Durable," "Superior"), P. O. Box 253H, Ft. Worth, Texas.
Barwood L. J. Mfg. Co. ("Barwood"), Stoneham 80, Boston, Mass.
See adv index at end of book
Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book
CHICAGO BELTING CO., 110 N Green, Chicago, Ill.
See adv index at end of book
CHICAGO RAWHIDE MFG. CO. (THE), 1307 Elston av, Chicago
See adv index at end of book
Detroit Leather Specialty Co., 275 Beecher av, Detroit, Mich.
Graton & Knight Mfg. Co. (Oak Tanned), 244 Franklin, Worcester, Mass.
See adv index at end of book
Houghton E. F. & Co. ("Vim"), 240 Somerset, Phila., Pa.
Judd & Leland Mfg. Co., Clifton Springs, N. Y.
Kendrick Valve & Washer Co., Syracuse, N. Y.
Mark Mfg. Co., Evanston, Ill.
Myers F. E. & Bro., 950 Orange, Ashland, O.
See adv index at end of book
Norwich Belt Mfg. Co. (Pump Valve), Norwich, Conn.
Nott W. S. Co., 2d av N & 3d, Minneapolis, Minn.
Palmer N. & Co., Bridgeport, Conn.
Red Jacket Mfg. Co., E 3d, Davenport, Ia.
Sherman H. B. Mfg. Co., Battle Creek, Mich.
Simplex Mfg. Co., Auburn, N. Y.

7370— Lecithin

Bardewyck R., 58 White, New York
Digestive Ferments Co., 920H Henry, Detroit, Mich.

Ledgers (Loose Leaf)

See Loose Leaf Devices

7370a— *Leggings

Holcomb Safety Garment Co. (Asbestos, Leather & Fireproofed Duck), 14 S Jefferson, Chicago, Ill.
Wheeler F. H. Mfg. Co. (Leather, Duck Asbestos & Asbestos & Fireproof), 215 W Huron, Chicago, Ill.

7371—Leggings (Sportsman's)

B. E. Mfg. Co. (Leather & Canvas "Benico"), 18 W 18th, New York
Brauer Bros. Mfg. Co., 204 N 14th, St. Louis, Mo.
Brauer, Reuter & Brauer Co. (Leather), 1385 E 7th, Los Angeles, Cal.
Hagerstown Shoe & Legging Co. ("Halco"), Hagerstown, Md.
Lawrence George Co. (Dirs.), 80 1st, Portland, Ore.
Lehmann-Hays Mfg. Co., 1433 S Los Angeles av, Los Angeles, Cal.

7372— Legs (Bench)

C. M. B. Wrench Co. ("Garwood" Cast Iron), Garwood, N. J.
Chicago Hardware Foundry Co., North Chicago, Ill.
Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.
Elgin Tool Works (C. Iron), Elgin, Ill.
Enterprise Foundry Co., 6463 E Warren av, Detroit, Mich.
Fairbanks Co. ("Fairbanks" Cast Iron), 416H Broome, New York
Garwood Bronze & Iron Works (Cast Iron), Garwood, N. J.
Hill Clutch Co., W 65th, Cleveland, O.
Jones W. A. Fdry. & Machine Co. (Cast Iron), 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book
LUPTON'S DAVID SONS CO. (Pressed Steel), Allegheny av & Tulip, Phila.,
See adv at Shelving Steel
Manufacturing Equipment & Engineering Co. ("Meeco"), Framingham, Mass.
New Britain Machine Co. ("New Britain, Pressed Steel), 190 Chestnut, New Britain, Conn.
Standard Pressed Steel Co. ("Hallowell" Steel), Jenkintown, Pa.
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*
Wallace Supplies Mfg. Co., 1312 Diversey pkway, Chicago, Ill.
WESTERN TOOL & MFG. CO., Springfield, O.

7373— Legs (Closet Seat)

American Foundry & Mfg. Co., 11th & Herbert, St. Louis, Mo.
Berglas M. P. Mfg. Co., 10 Fulton, Brooklyn, N. Y.
Grand Rapids Hand Screw Co., Grand Rapids, Mich.
Modern Iron Works, Quincy, Ill.
Shwab Bros. Co., 311 E 9th, New York
Street & Kent Mfg. Co., 549 Fulton, Chicago, Ill.
Wolff L. Mfg. Co., 111 N Dearborn, Chicago, Ill.

7374—Legs (Closet & Urinal Stall)

ACHESON MFG. CO., Rankin, Pa.
See adv index at end of book
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Sanitary Mfg. Co. ("American"), Abingdon, Ill.
Carpenter R. F. Mfg. Co., 984 E 64th, Cleveland, O.
COLUMBUS BRASS CO., 620 Dublin av, Columbus, Ohio
See adv index at end of book
Dent Hardware Co., Fullerton, Pa.
East Bangor Consolidated Slate Co., East Bangor, Pa.
Edwardsville Brass Co., Edwardsville, Ill.
Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
McCambridge & Co., 315 N 20th, Philadelphia, Pa.
Pittsburgh Brass Mfg. Co. Penn & 22nd, Pittsburgh, Pa.

Ryan J. J. & Co., 101 S Jefferson, Chicago, Ill.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Street & Kent Mfg. Co., 549 Fulton, Chicago, Ill.
Structural Slate Co., The, 101 Marietta, Pen Argyl, Pa., (with Natural Slate Blackboard Co., Pen Argyl.)
See adv index at end of book
Zero Valve & Brass Mfg. Co., Buffalo, N. Y.

7375— Legs (Counter)

Cheney S. & Son, Manlius, N. Y.
Wrightsville Hardware Co., Wrightsville, Pa.

7376— Legs (Drain Board)

Trenton Brass & Machine Co. (Telescoping), Trenton, N. J.

7377— Legs (Laundry Tub)

Casey-Hedges Co. (Chattanooga"), 25th & Chestnut, Chattanooga, Tenn.
Cheney S. & Son, Manlius, N. Y.
Dent Hardware Co., Fullerton, Pa.
Globe Sheet Metal Mfg. Co., 854 Howard, San Francisco, Cal.
Haines, Jones & Chadbury, ("Hajoca"), 1136 Ridge av Phila., Pa.
Modern Iron Works, Quincy, Ill.
Sanitary Co., Dept. H, Linfield, Pa.
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book
Union Foundry Co., Fitchburg, Mass.

7378-9— Legs (Lavatory)

American Brass & Copper Co. (Brass, Polished, Nickel, etc), 138 Lafayette, New York
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Pin Co. ("Ampinco" Brass), Waterbury, Conn.
Clow Jas. B. & Sons, Franklin & Harrison, Chicago, Ill.
Douglas John Co., Carthage, Cincinnati, O.
Edwardsville Brass Co., Edwardsville, Ill.
Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
Mott J. L. Iron Works, Trenton, N. J.
Pittsburgh Brass Mfg. Co., Penn & 32nd, Pittsburgh Pa.
Warren Brass Foundry, Warren, O.

7380—Legs (Sink & Wash Tray)

Acme Mfg. Co., Bangor, Me.
Bailey F. T. & Co., N. Scituate, Mass.
Bignall Co., Medina, N. Y.
Cheney S. & Son, Manlius, N. Y.
Cooper Sanitary Mfg. Co. (Iron), 34th & Chestnut, Phila., Pa.
Edwardsville Brass Co., Edwardsville, Ill.
Haines, Jones & Cadbury Co. ("Hajoca" Cast Iron), 1136 Ridge av, Phila., Pa.
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Sanitary Co., Dept. H, Linfield, Pa.
Swett A L Iron Works (Cast Iron & Steel, 145 Glenwood av, Medina, N. Y.

7381-2— Legs (Table)

National Mill & Lbr. Co., 320 Market, **San Francisco, Cal.**
Ohio Scroll & Lumber Co., Covington, Ky.
South Bend Dowel Co., South Bend, Ind.
See adv index at end of book
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book

Legs (Urinal)

See Legs, Closet & Urinal Stall

7383—Lehrs (Annealing, Window Glass)

Dixon H. L. Co., Rosslyn rd, Carnegie, Pa.
Woods-Lloyd Co. ("Tondeur"), S 30th & Jane, Pittsburgh, Pa.

7383a— *Lenix Belt Drive

SMIDTH F. L. & CO., 50 Church, New York

7384— Lenses

American Optical Co., Southbridge, Mass.
Atchison Optical Co., Atchison, Kans.
Apdel Philip & Co., 38 Vesey, New York
Bache, Semon & Co. (Imp.), 636 Greenwich, New York
Bausch & Lomb Optical Co. ("Centex Punktal," "Kryptok," "Ultex" Ophthalmic Projection, "Tessar" & "Protar" Photographic), 637 St. Paul, Rochester, N. Y.
Berger Albert & Co. (" W. B. & C."), 45 John, New York
Consolidated Lamp & Glass Co. (Flashlight), Coraopolis, Pa.
Corning Glass Works ("Spredlite," Bullseye, Fresnel, for Ship Lights, Corrugated for Semaphores & Other Signals), Corning, N. Y.
Crown Optical Co. (Photographic), Rochester, N. Y.
Dayton Lens & Glass, Beveling Wks., Dayton, O.
Dixon Wm. (Jewelers & Watchmakers), 119 Fulton, New York
Framerican Industrial Development Corp. (Imptrs. for Motion Picture Cameras, **Photographic Cameras & Microscopes**), 21 E 40th, New York
Fry H. C. Glass Co., Rochester, Pa.
Genesee Optical Co. ("Toroid"), Rochester, N. Y.
Goerz C. P. American Optical Co. (Photographic), 317 E 24th, New York
Graf Optical Co. (Binocular, Motion Picture Photographic & Other High Grade Optical Instruments), South Bend, Ind.
Gundlach-Manhattan Optical Co. (Photographic), Rochester, N. Y.
HANOVIA CHEMICAL & MFG. CO. (Soft Focus), 100 Chestnut, Newark, N. J.
Jefferson Glass Co. ("Bulls Eye" Cut, Semaphore, Concave, Convex, Automobile, Railway Signal, Flashlight & Moving Picture), 109 N State, Chicago, Ill.
Libbey Glass Co., Toledo, O.
Macbeth-Evans Glass Co. (Flashlight), Chamber of Commerce bldg, Pittsburgh, Pa.
Madden Glass Co. ("Fanlites" Deflecting Automobile), Aberdeen, S. Dakota
Murphy Geo. Inc. ("Ross" Photographic), 57 E 9th, New York
Optical Lens Co., Southbridge, Mass.
Pa. Optical Co., Reading Pa.
Pinkham & Smith Co. (Photographic), 288 Boylston, Boston, Mass.
Rodefer Glass Co. (The) (Pressed Bullseye Lenses for Pocket Flashlights, etc), Bellaire, Ohio
Siegman & Weil (Flashlight), 20 E 27th, New York
Sneath Glass Co. (All Colors), Hartford City, Ind.
Spencer Lens Co. (Photographic), Buffalo, N. Y.
Spencer Optical Co. (Optical), 461 8th av, New York
Simplex Photo Products Co. (Projection) Morris Park, Port Richmond, N. Y.
Tilton Optical Co., Tilton, N. H.
United States Lens Co., Geneva, N. Y.
Wheeling Glass Letter & Novelty Co. (Sign), Wheeling, W. Va.
Wollensak Optical Co. (Photographic, etc), Rochester, N. Y.
Wood William F. & Son (Toric), South Coventry, Conn.

7385—Lenses (Automobile Head & Tail Light)

American Spectacle Co., 136 W 52nd, New York
Amesbury Bent Glass Co., Amesbury, Mass.
Clamert Mfg. Co., Latrobe, Pa.
Bache, Semon & Co. (Imp.), 636 Greenwich, New York
Bausch & Lomb Optical Co., Rochester, N.Y.
California Artistic Metal & Wire Co., 349 7th, San Francisco, Cal.
Clainert Mfg. Co., Latrobe, Pa.
Corning Glass Works, Corning, N. Y.
Filmolens Sales Co. ("Filmolens"), 1926 Ford bldg, Detroit, Mich.
Holophane Glass Co., 340 Madison av, New York
Jefferson Glass Co., Follansbee, W. Va.
Lancaster Lens Co. ("Lancaster" Condensing & Diffusing), Lancaster, O.
Legalite Corp., 120 Boylston, Boston, Mass.
McKee Glass Co., Jeannette, Pa.
Macbeth-Evans Glass Co., C of C bldg, Pittsburgh, Pa.
Madden Glass Co. ("Fanlites" Deflecting, Head Lights Only), Aberdeen, S Dakota
Matisse C. & A. (Condensing), 551 E 116th, New York
Osgood Lens & Supply Co., 122 S Michigan blvd, Chicago, Ill.
Raydex Mfg. Co., Inc., Brackenridge, Pa.
Rosen A. W. & Co., 610 B'way, New York
Saferlite Lens Co., 220 5th av, New York
Shaler C. A. Co., Waupin, Wis.
Smith L. E. Glass Co. ("Morelite" Dimming), Mt. Pleasant, Pa.
Trieber Benj. Co., 4627 B'way, Chicago, Ill.
Warner-Patterson Co. ("Patterson-Lenz"), 914 S Michigan av, Chicago, Ill
Zorger Lens Co., Champion, Ill.

7385a— Lenses (Bullseye)

Corning Glass Works ("Spredlite"), Corning, N. Y.
Jefferson Glass Co., 109 N State, Chicago, Ill.
Rodefer Glass Co. (Pressed for Pocket Flashlights), Bellaire, O.
Sneath Glass Co., Hartford City, Ind.

7385b—Lenses (Condensing)

Brenkert Light Projection Co., 49 Cortland av, Detroit, Mich.
Drakenfeld B. F. & Co. ("Kalith"), 50 Murray, New York
Jefferson Glass Co., Follansbee, W. Va.
Newton C., 331 W 18th, New York
Wollensack Optical Co., Rochester, N. Y.

7385c— Lenses (Flashlight)

Consolidated Lamp & Glass Co., Coraopolis, Pa.
Grammes L. F. & Sons (For Building), Allentown, Pa.
Heath J. S., Franklin & Ontario, Chicago, Ill.
Jefferson Glass Co., Follansbee, W. Va.
Laughlin Thos. Co., Portland, Me.
See adv index at end of book
Macbeth-Evans Glass Co., Chamber of Commerce bldg, Pittsburgh, Pa.
Newman Mfg. Co., 420 Elm, Cincinnati Ohio
Popper Leon & Sons, 143 Franklin, New York
Sargent & Co., New Haven, Conn.
Siegman & Weil, 20 E 27th, New York
Waterbury Button Corporation (House. Sign, etc,), 831 S Main, Waterbury, Conn. *See adv index at end of book*
Wis. Iron & Wire Wks., 1660 Booth, Milwaukee, Wis.

7385d—Lenses (Optical) (Including Binocular, Spectacle & Goggle Lenses

American Optical Co., Southbridge, Mass.
Atchison Optical Co., Atchison, Kans.
Bausch & Lomb Optical Co. ("Centex," "Punktal," "Kryptok"), 637 St. Paul, Rochester, N. Y.
DuPaul Young Co., Southbridge, Mass.
Framerican Industrial Development Co. (Microscope), 21 E 40th, New York
Genesee Optical Co. ("Foroid"), Rochester, N. Y.
Graf Optical Co. (For Surveying Instruments, Binoculars), South Bend, Ind.
Kollmorgan Optical Corp., 35 Steuben, Brooklyn, N. Y.
One-Piece Bifocal Lens Co., 426 N Capital av, Indianapolis, Ind.
Optical Lens Co., Southbridge, Mass.
Raydex Mfg. Co. Inc., Brackenridge, Pa.
Simpson-Walther Lens Co., 16 Ward, Rochester, N. Y.
Spencer Optical Co., 461 8th av, New York
Standard Optical Co., Geneva, N. Y.
Tilton Optical Co., Tilton, N. H.
Warner Patterson Co., 914 S Michigan av, Chicago, Ill.
Weiss Instrument Co. (Microscope, etc.) Club bldg, Denver, Colo.
Wood Wm. F. & Son (Toric), South Coventry, Conn.

7385e—Lenses (Photographic)

Bausch & Lomb Optical Co. ("Tessar" & "Protor"), Rochester, N. Y.
Framerican Industrial Development Co. (Imp.), 21 E 40th, New York
Goerz C. P. American Optical Co., 317 E 24th, New York
Graf Optical Co., South Bend, Ind.
Gundlach-Manhattan Optical Co., Rochester, N. Y.
HANOVIA CHEMICAL & MFG. CO. ("Kalosab"), 100 Chestnut, Newark, N. J.
Jefferson Glass Co., Follansbee, W. Va.
Lancaster Lens Co., Lancaster, O.
Murphy Geo. Inc. ("Ross"), 57 E 9th, New York
Pinkham & Smith Co., 288 Boylston, Boston, Mass.
Simplex Photo Products Co., Morris Park, **Port Richmond, N. Y.**
Simpson-Walther Lens Co., 16 Ward, Rochester, N. Y.
Spencer Lens Co., 442 Niagara, Buffalo, N. Y.
Wollensak Optical Co., Rochester, N. Y.

7385f— Lenses (Projection)

See also Projection Apparatus

Bausch & Lomb Optical Co., 835 St. Paul, Rochester, N. Y.
Brenkert Light Projection Co., 49 Cortland av, Detroit, Mich.
Graf Optical Co., South Bend, Ind.
Gundlach-Manhattan Optical Co., 761 S Clinton av, Rochester, N. Y.
Newton C., 305 W 15th, New York
Spencer Lens Co., 444 Niagara, Buffalo, N. Y.
Wollensack Optical Co., 1415 N Clinton av, Rochester, N. Y.

7385g—Lenses (Semaphore, Ship & Signal Lantern

Adams & Westlake Co. (Railroad), 319 W Ontario, Chicago, Ill.
Corning Glass Works (Fresnel), Corning, N. Y.
Jefferson Glass Co., 109 N State, Chicago, Ill.
Macbeth Evans Glass Co., Chamber of Commerce bldg, Pittsburgh, Pa.
Star Head Light Lantern Co., Rochester, N. Y.

7385h— Lepidolite

See also Numbers & Letters, Metal

Drakenfeld B. F. & Co., Inc., 50 Murray, New York

7385i—Letters (Brass & Bronze)

See also Numbers & Letters, Metal

Butler A. G., Inc., 158 Chambers, New York
Corbin P. & F. ("Corbin" Cast Bronze), Dept. H, New Britain, Conn.
Laughlin Thos. Co., 135 Fore, Portland, Me.
See adv index at end of book
Newman Mfg. Co., 420 Elm, Cincinnati, O.
Pittsburgh Stamp Co. Inc., 817H Canal, Pittsburgh, Pa.
Polachek John Bronze & Iron Co. (Bronze), 476H Hancock, Long Island City, N. Y.

Letters (Changeable Building Directory)

See Building Directories, Changeable

7386— Letters (Glass)

Chicago Glass Novelty Co., Marion, Ind.
Herrlein & Henrich Co. (Cut), 87 Greene, New York

7387— Letters (Milk Can)

Central Stamping Co., 206 B'way, New York
National Enameling & Stamping Co., 411 5th av, New York
Pittsburgh Stamp Co. Inc., 817H Canal, Pittsburgh, Pa.

7388— Letters (Office Door)

Pittsburgh Stamp Co. Inc., 817H Canal, Pittsburgh, Pa.

7389—Letters (Porcelain Sign)

Brilliant Sign Letter Co., 473 6th av, New York
Cambridge Tile Mfg. Co., Covington, Ky.
Colonial Sign & Insulator Co. (For Electric Signs), Akron, O.
Manhattan Dial Mfg. Co., 40 Lexington av, B'klyn, N. Y.

7390— Letters (Sign)

American Sign Co., 1512 S Los Angeles, Los Angeles, Cal.
Brilliant Sign Co., 3531 Washington, St. Louis, Mo.
Butler A. G., Inc., 158 Chambers, New York
California Wood Carving Co., 1123 Howard, San Francisco, Cal.
Chicago Glass Novelty Co., Marion, Ind.
FEDERAL ELECTRIC COMPANY, 8702 S State, Chicago, Ill.
See adv index at end of book
Hotchner Jos. ("Hotchner" Patents), 433 Turk, San Francisco, Cal.
Lorenzen Chas. F. & Co. (Tile), 521 W Monroe, Chicago, Ill.
Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa. *See adv index at end of book*
Metallic Sign Letter Co. (Metallic), 433 N Clark, Chicago, Ill.
Novelty Electric Sign Co., 433 Turk, San Francisco, Cal.
Pioneer Corporation (Eradium 5th Luminous), 6309 Yale av, Chicago, Ill.
Pittsburgh Stamp Co. Inc., 817H Canal, Pittsburgh, Pa.
Pressed Prism Plate Glass Co., 25 N Dearborn, Chicago, Ill.
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
See adv index at end of book

7391—Letters (Sign, Cast Iron)

Heath J. S. & Co., Franklin & Ontario, Chicago, Ill.
Ziegler Bros. Co. (Removable Metallic), Elgin, Ill.

Letters (Transfer)

See Ornaments, Transfer

7392— Letters (Wood)

American Sign Co., 1512 S Los Angeles, Los Angeles, Cal.
Bogert & Hopper, Inc. (Enameled Wood), 87 Barclay, New York.
See adv index at end of book
Cal. Wood Carving Co., 1123 Howard, San Francisco, Cal.
Estes E. B. & Sons (Enameled, etc), 364 5th av, New York
See adv index at end of book
Spanjer Bros., 193H Badger av, Newark, N. J.

7393—Letters & Figures (Aluminum)

Aluminum Goods Mfg. Co., Manitowoc, Wis.
Butler A. G., Inc., 158 Chambers, New York
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Pittsburgh Stamp Co. Inc., 817H Canal, Pittsburgh, Pa.
Waterbury Button Corporation, 831 S Main, Waterbury Conn.
See adv index at end of book

7394—Letters & Figures (Harness)

Enterprise Mfg. Co., Akron, O.

7395—Letters & Figures (Pattern)

American Casting & Mfg. Corp., Brooklyn, N. Y.
Brim A. W. (White Metal & Brass, Seneca Falls, N. Y.
Brodin Pattern & Supply Wks., 2420 W 16th, Chicago, Ill.
BUTLER A. G., INC., 158 Chambers, New York
Chain Products Co. (White Metal & Brass, Die Cast), H, E Cooper av, Cleveland av, Cleveland, O.
Crawford Supply Co. (White Metal), Bucyrus, O.
Dixon Wm., 119 Fulton, New York
Everett A. & Son (White Metal & Brass), Auburn, N. Y.
Freeman Pattern Supply & Mfg. Co., Toledo, O.
Knight H. W. & Son (White Metal & Brass), Seneca Falls, N. Y.
McCormick J. S. Co., 25th & A. V. R. R., Pittsburgh, Pa.
Matthews James H. & Co. (House, etc.), 3942 Forbes, Pittsburgh, Pa.
See adv index at end of book
Niagara Falls Metal Stamping Works (Steel, Brass & Aluminum), Niagara Falls, N. Y.
Oliver Machinery Co., Grand Rapids, Mich.
Pittsburgh Stamp Co. Inc., 817H Canal, Pittsburgh, Pa.
R. & S. Engraving & Die Works, 617-631 W Jackson blvd, Chicago, Ill.
See adv index at end of book
Reed & Skeppstrom, 625 W Jackson blvd, Chicago
See adv index at end of book
Roovers Bros. (Presses for Making), 100 Schermerhorn, Brooklyn, N. Y.
St. Louis Electrotyping Foundry, 125 S 8th, St. Louis, Mo.
Shanafelt Mfg. Co., Canton, O.
United States Hdwe. & Mfg. Co. (White Metal & Brass), 16H Warren av, Pawtucket, R. I.
Wellman Co. (White Metal), 1444 E 49th, Cleveland, O.

7396—Letters & Figures (Steel)

Allen, Doane & Co. ("Liberty Brand"), 29 Cornhill, Boston, Mass.
Am. Tube & Stamping Co. (Pressed), Dept. H, 471 Hancock, Bridgeport, Conn.
Boker Cutlery Hardware Co., 101 Duane, New York.
BUTLER A. G., INC., 158 Chambers, New York
Chain Products Co., 3924 Cooper av, Cleveland, O.
Everett A. & Son, Auburn, N. Y.
Goodell-Pratt Co. (For Metal Stamping), Greenfield, Mass.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Hanson C. H. Co. (Machine Made), 178 N Clark, Chicago, Ill.
Kautz Fred C. & Co. (Punches), 2633 W Lake, Chicago, Ill.
Knight H. W. & Son (For Steel Stamping), Seneca Falls, N. Y.
Konigslow E. Stamping & Tool Works, Cleveland, O.
Marburg Bros. ("All-In-One"), 90 West, New York
MATTHEWS JAS. H. & CO. (Hand Made), 3942 Forbes, Pittsburgh, Pa.
See adv index at end of book
Moise-Klinkner Co., 369 Market, San Francisco, Cal.
Newman Mfg. Co. (Lithographed), 420 Elm, Cincinnati, O.
Niagara Falls Metal Stamping Works (Also Stamp, Brass & Aluminum), Niagara Falls, N. Y.
Pittsburgh Stamp Co. Inc., 817H Canal, Pittsburgh, Pa.
Quality Die Co., 1430 E. 64th, Chicago, Ill.
R. & S. Engraving & Die Works, 617-631 W Jackson blvd, Chicago, Ill.
See adv index at end of book
Reed & Skeppstrom, 625 W Jackson blvd, Chicago
See adv index at end of book
SCHODER & LOMBARD STAMP & DIE CO., INC. (There is no economical substitute for Salco Master made letters and figures), 202 Centre, New York
See adv index at end of book



Schwerdtle Stamp Co., 43 Cannon, Bridgeport, Conn.
Shanafelt Mfg. Co., Dept. H, Canton, Ohio
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.
White David Co. Inc. (Architects', Convertible, Transit, Dumpy, Farm; Engineers', Y & "Locke's" Hand), 901 Chestnut, Milwaukee Wis.

7396a— *Leukonin

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book

7397— Levelers (Coke)

Alliance Machine Co. (Combined Pusher & Leveler), Alliance, O.
Atlas Car & Mfg. Co. (Electric), Cleveland, O. *See adv index at end of book*
Covington Machine Co. (For Bee-Hive Coke Ovens), Covington, Va.
Gas Machinery Co., 1900 Euclid av, Cleveland, O.
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, Ohio

7398— Levelers (Coopers')

White L. & I. J. Co., 120 Columbia, Buffalo, N. Y.

7399—Levelers (Roller, For Plates & Sheets)

Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book

7400— Levels

Acme Level & Mfg. Co. ("Acme" Steel), Archbald, Ohio
Ainsworth Wm. & Sons ("Wye," "Dumpy"), Denver, Colo.
Athol Mach. & Foundry Co. (Iron Pocket, Plumbers', Machinists', Iron Bench, Carpenters', etc.), Athol, Mass.
Bausch & Lomb Optical Co. ("Wye," "Dumpy," "Precise," etc), Rochester, N. Y.
Beckmann L. Co., 1003 Jackson, Toledo, O.
Bedortha Bros., Windsor, Conn.
Berger C. L. & Sons ("Monitor"), 45 Williams, Boston, Mass.
Bostrom-Brady Mfg. Co. ("Bostrom," Builders), Atlanta, Ga.
Chapin-Stephens Co. (Adjustable & Non-Adjustable Machinists', Brass Cornered, etc), Pine Meadow, Conn.
Crescent Tool Mfg. Co. (Brick Masons'), 1002 Cass av, St. Louis, Mo.
Dietzgen Eugene Co., 166 W Monroe, Chicago, Ill.
Disston Henry & Sons (Inc.), (Iron Shafting Pocket, Machinists', etc), Tacony, Phila., Pa.
Elliott B. K. Co., 126 6th, Pittsburgh, Pa.
Frost & Adams Co. ("Yankee" Compound), 25 Arch, Boston, Mass.
Geier & Blum ("Wye"), Troy, N. Y.
Goodell-Pratt Co. ("Richardson," "Stratton Level Co." Pocket, Bench, Engineers', Wood & Iron & Aluminum), Greenfield, Mass.
Gurley W. & L. E. (Architects', Engineers', Contractors' & Builders', etc), Troy, N. Y.
Helb Edward ("American" Combined Level & Grade Finder), Railroad, Pa.
Heller & Brightly (Engineers), Dept. H, 1122 Spring Garden, Phila., Pa.
Jackson S. R. ("Spirit," "Cook" Pat. also "Davis & Cook" Graduated Aluminum Plumb & Level), Watertown, N. Y.
Jennings C. E. & Co. ("C. E. J. & Co.'s" Iron, Hexagon, Adjustable, etc), 71 Murray, New York
Keuffel & Esser Co. ("Abney's," "Dumpy," "Locke's," Architects & Farm), Hoboken, N. J.
King Level Works ("King Spirit"), Brighton, Mich.
Kolesch & Co., 138 Fulton, New York
Lietz A. Co., 61 Post, San Francisco, Cal.
Makepeace B. L., Inc. ("Loxo"), 337 Washington, Boston, Mass.
Manning, Maxwell & Moore, Inc., 100 E 42nd, New York
See adv index at end of book

Millers Falls Co., Dept. H, Millers Falls, Mass.
Pease C. F. Co. (Contractors), 820 N Franklin, Chicago, Ill.
See adv index at end of book
Pennsylvania Instrument Co., 616-618 Chestnut, Phila., Pa.
Pfister Wm. H. (Architects' & Builders'), 230 W 4th, Cincinnati, O.
Prince L. M. Co., 108 W 4th, Cincinnati, O.
Queen-Gray Co., 64-70H W Johnson, Phila., Pa.
Robinson M. W. Co. ("Davis" Patent Iron), 296 B'way, New York
Sawyer Tool Mfg. Co. (Cross Adjustable Bench, Combination & Pocket), Ashburnham, Mass.
Southington Hardware Co. (Steel), Southington, Conn.
Stanley Rule & Level Co. (Bit & Square, Iron, Wood, Pocket, etc), New Britain, Conn.
Starrett L. S. Co. (Iron Adjustable Bench, etc.), Athol, Mass.
Stearns E. C. & Co. (Bit & Square), 450 Oneida, Syracuse, N. Y.
Taylor Instrument Companies ("Tycos," "Abney"), Rochester, N. Y.
Ulmer J. C. Co. ("Ulmer" Engineers, Architects, etc.), 1791 E 38th, Cleveland, Ohio
Warren-Knight Co. ("Sterling"), 136 N 12th, Phila., Pa.
Weber F. Co., Inc., 1220 Buttonwood, Philadelphia, Pa.
WELLS CORPORATION, THE ("Williamsburg"), 15 Arch, Greenfield, Mass. *See adv index at end of book*
White David Co. (Architects' Convertible, Transit, Dumpy, Farm, Engineers "Y & Locke's" Hand), 901 Chestnut, Milwaukee, Wis.
Wissler Instrument Co. ("Wissler"), 613 N Broadway, St. Louis, Mo.
Woodwell Joseph Co. ("Jackson" Aluminum Line), 207 Wood, Pittsburgh, Pa.
Young & Sons (Engineers', etc), 43 N 7th, Phila., Pa.

7401— Levels (Track)

Aldon Co., 3338 W Ravenswood av, Chicago, Ill.
Buda Co. ("McManus" Combined Track Gauge Level, etc), Harvey, Ill.
Chapin-Stephens Co., Pine Meadow, Conn.
Disston Henry & Sons (Inc.), (Levels & Gauges), Tacony, Phila., Pa.
Handlan-Buck Mfg. Co., 210-14 N 3d, St. Louis, Mo.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Irving Mfg. & Tool Co., 157 Chambers, New York
Jackson S. R. ("Cook"), Watertown, N. Y.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Track Specialties Co., Inc. (Dlrs.), 2-4-6 Morris, New York
Verona Tool Wks., Verona, Pa., & Pittsburgh, Pa.

7402—Levers (Automobile Control)

Baker Gun & Forging Co., Batavia, N. Y.
Brown-Lipe Gear Co., Syracuse, N. Y.
Halladay L. P. Co. (Side), Streator, Ill.
Mechanics' Machine Co., Rockford, Ill.
Oakes Co. (Pressed Steel & Stamped), Indianapolis, Ind.
Ohio Forge Co. (Forged), Cleveland, O.
Western Drop Forge Co. (Drop Forged), P. O. Box 386, Marion, Ind.
Western Tool & Forge Co., Brackenridge, Pa.
Williams J. H. & Co. (Drop-Forged), 400 Vulcan, Buffalo, N. Y.
Zeigler Mfg. Co., Alexandria, Ind.

7403— Levers (Brake)

Altoona Iron Co. (Wrought Iron), Altoona, Pa.
Bethlehem Steel Co., So Bethlehem, Pa.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Halladay L. P. Co. (Side), Streator, Ill.
Kansas City Bolt & Nut Co. (Forged), Sheffield Station, Kansas City, Mo.
National Screw & Tack Co., Stanton av, S. E. & C. & P. Ry, Cleveland, O.
Pawtucket Mfg. Co., Pawtucket, R. I.
Pittsburgh Knife and Forge Co., Ridge & Chateau, Pittsburgh, Pa.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Steel Car Forge Co., Frick bldg, Pittsburgh, Pa. Works, Ellwood City, Pa.
Valley Forging Co., Verona, Pa.
Williams J. H. & Co. (Drop-Forged), 400 Vulcan, Buffalo, N. Y.

7404—Levers (For Goosenecks)

Riverside Foundry & Galvanizing Co., Kalamazoo, Mich.

7405— Levers (Igniter)

Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Williams J. H. & Co. (Drop-Forged), 400 Vulcan, Buffalo, N. Y.

7406—Lewises (Pin, Chain, Etc.)

Anderson W. H. Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Brunner & Lay, 570 W Polk, Chicago, Ill.
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.

7407—Library Shelving & Fittings (Metallic)

Art Metal Construction Co., Jamestown, N. Y.
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
General Fireproofing Co. (The), ("G. F. All-steel"), 2308 Logan av, Youngstown, O.
See adv index at end of book
Keighley S. Metal Ceiling & Mfg. Co., 124 3 av, Pittsburgh, Pa.
Library Bureau, Dept. H, Cambridge, Mass.
Snead & Co., ("Green's"), Jersey City, N. J.
Steel Fixture Mfg. Co., Topeko, Kan.
Stiffel & Freeman Co., Lititz, Pa.
Stikeman Geo. ("Stikeman"), 114 W 32d, New York
VAN DORN IRON WORKS CO. (THE), 2700 E 79th, Cleveland, Ohio
See adv index at end of book

7408-9—Licorice (Powdered)

Anderson-Hillier Co., Inc., 73 Hudson, New York
Hopkins J. L. & Co., 135 William, New York
Jacob Chas. W. & Allison, 18 Cedar, New York
Peek & Velsor (Imp.), 76 William, New York

7410-11—Lids (Journal Box)

Allegheny Steel Co. (Stamped Steel), Oliver bldg, Pittsburgh, Pa.
American Shovel & Stamping Co., Lorain, Ohio
Commercial Shearing & Stamping Co., Youngstown, Ohio
Davis Brake Beam Co., Johnstown, Pa.
McCord & Co., 122 S Michigan av, Chicago, Ill.
Railway Steel Spring Co., 30 Church, New York
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Symington T. H. Co., 233H B'way, New York
Union Spring & Mfg. Co., New Kensington, Pa.
Youngstown Pressed Steel Co., Warren, O.
See adv index at end of book

7412— Lids (Stove)

Wehrle Co., Newark, O.

Life Boats

See Boats & Rafts, Life

Life Nets

See Nets, Life Saving

7413— Life Preservers

Armstrong Cork & Insulation Co. ("Acme"), 24th & A. V. R. R., Pittsburgh, Pa.
Brauer Justus & Son, 108 Arch, Phila., Pa.
Davol Rubber Co., 69 Point, Providence, R. I.
Drein Thos. & Sons Co., Wilmington, Del.
Galbraith C. C. & Son, 117 West, New York
Goodyear Rubber Co., & Rubber Clothing Co., 787 B'way, New York
Hodgman Rubber Co., 25 W 43rd, New York
Independent Cork Co., 574-576 Hamilton av, cor. 17th, Brooklyn, N. Y.
Kahnweiler's David Sons, 20 Dover, New York
Mundet L. & Sons, Ferris, Brooklyn, N. Y.
National India Rubber Co., Bristol, R. I.
National Life Preserver Co. (Life Saving Suit), 11 B'way, New York
Pneumatic Mfg. Co., 123 Pacific, Brooklyn, N. Y.
Regina Swimming Devices & Novelty Co., 22 E 21st, New York
Robinson, Roders Co., Newark, N. J.

Life Rafts

See Boats & Rafts, Life

7413a— Life Saving Appliances

See also other Headings under Life
Bethlehem Shipbuilding Corporation Ltd., Bethlehem, Pa.
Cleveland Breathing Machine Co. ("Lyon" Mechanical Resuscitating Device), 1856 Euclid av, Cleveland, O.
Masten G. H. Co., Inc., 1133 B'way, New York
Naval Co. ("Bridger"), Roslyn, Pa.
Steward Davit & Equipment Corp. (Marine), 17 Battery pl, New York

Lifters (Automobile Valve)

See Tools, Valve Removing

7414— Lifters (Beet, Etc.)

Bay City Plow Works, Bay City, Mich.
Johns-Manville Inc., Madison av & 41st, New York

7415— Lifters (Board, Steam, Saw-mill)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book

7416— Lifters (Heel)

Richard Stephen Co., Southbridge, Mass.

7417— Lifters (Hot Pan)

Cassady Fairbanks Mfg. Co. ("Nash"), 6136 S La Salle, Chicago, Ill.
Hills Edwin, Plainville, Conn.
Wolverine Supply & Mfg. Co., Page & Fontella, Pittsburgh, Pa.

7417a— *Lifters (Net)

Dake Engine Co., Grand Haven, Mich.
ROBINSON TOOL WORKS INC. ("Safe-T" also Plate), Waterbury, Conn.
See adv index at end of book

Lifters (Sash, Bar)

See Lifts Sash

7418— Lifters (Stove Lid)

Adams Co., Dubuque, Ia.
Adell Mfg. Co. ("Never Slips"), Orange, Mass.
Arcade Mfg. Co., Freeport, Ill.
Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Fanner Mfg. Co. ("Arctic," Steel Wire Handle), Cleveland, O.
Gray Iron Foundry Co. (Cast Iron), Reading, Pa.
Grey Iron Casting Co. ("Cold Handle," "My Choice," "Favorite"), Mt. Joy, Pa.
Hamblin & Russell Mfg. Co. ("Crown," "Grip"), 28 Water, Worcester, Mass.
Hills Edwin, Plainville, Conn.
Imboden I. C. Mfg. Co. ("Handy," Combination), Cleona, Pa.
Indiana Hollow Ware Co. (Cast Iron), Jeffersonville, Ind.
Lynd L. E. Mfg. Co. ("Zero"), Mechanicsville, N. Y.
Marcy Stove Repair Co., 74 Beekman, New York
New York Stamping Co. ("Zero"), N 11th & Berry, Brooklyn, N. Y.
Nicol & Co. ("N. & Co. Arctic"), 218 N Jefferson, Chicago, Ill.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Stover Mfg. & Engine Co. ("Ideal"), Freeport, Ill.
Troy Nickel Works, Albany, N. Y.
Wagner Mfg. Co., Sidney, O.
Wehrle Co., Newark, O.
Wickwire Spencer Steel Corp., ("Eclipse"), 41 E 42nd, New York
See adv index at end of book
Williams A. C. Co., Ravenna, O.
Wrightsville Hardware Co., Wrightsville, Pa.
Zeigler Mfg. Co., Alexandria, Ind.

Lifters (Tack)

See Claws & Pullers, Tack

Lifters (Transom)

See Lifts, Transom

Lifters (Valve)

See Tools, Valve Removing

Lifts (Air)

See Lifts, Pneumatic; also Penumatic Pumping Systems

7418a— Lifts (Air Jet)

SCHUTTE & KOERTING CO., 1251 N 12th, Conn. *See adv index at end of book*

Lifts (Ash)

See Hoists, Ash

7419— Lifts (Hydraulic)

Coffin Valve Co. (For Large Water Gates), Neponset, Boston, Mass.
Elmes Chas. F. Engineering Works, cor Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Wood R. D. & Co. (Portable), 400 Chestnut, Phila., Pa.

7420— Lifts (Instep)

Gilbert E. T. Mfg. Co., Rochester, N. Y.

7420a— Lifts (Liquid)

Lummus Walter E. Co. ("Metrolift"), 171 Milk, Boston, Mass.

Lifts (Magnetic)

See Magnets, Lifting

7421— Lifts (Man)

Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Miller Wm. A. Machine & Elevator Co. (Grain Elevators), 920 N Main, St. Louis, Mo.
Union Iron Works (Inc.), (For Grain Elevators, etc), Decatur, Ill.

7422-3— Lifts (Mine Car)

Fleming J. R. & Son Co., Scranton, Pa.
Holmes Robt. & Bros. (Double & Single), Danville, Ill.

7424—Lifts (Motor, Car Pit)

See also Cranes; also Hoists

Columbia Machine Works & Malleable Iron Co. ("Columbia," Pneumatic), Atlantic av & Chestnut, Brooklyn, N. Y.
Patten Paul B. Co., Salem, Mass.

7425— Lifts (Pneumatic)

See also Pneumatic Pumping Systems; also Lifts, Water

Ingersoll-Rand Co., 11 Broadway, New York. *See adv index at end of book*
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.

7426— Lifts (Sash)

Acklin Stamping Co., 1659 Dorr, Toledo, O.
Allith-Prouty Co. (Prouty" Hook, Flush- & Bar), Danville, Ill.
Am. Nut & Bolt Fastener Co., 3 Ontario, Pittsburgh, Pa.
Am. Tube & Stamping Co. (Pressed Steel), Dept. H, 471 Hancock, Bridgeport, Conn.
Arcade Mfg. Co., Freeport, Ill.
Berbecker & Rowland Mfg. Co., Waterville, Conn.
Bingham Stamping & Tool Co., Post & Albion, Toledo, Ohio
See adv index at end of book
Bradley & Franham, Middlefield, Conn.
Brainerd Mfg. Co., East Rochester, N. Y.
Brass Goods Mfg. Co., 345 Eldert, Brooklyn, N. Y.
Champion Hardware Co., Geneva, O.
Corbin P. & F., New Britain, Conn.
Creamer W. G. & Co., 96 John, New York
Dent Hardware Co. (Bar), Fullerton, Pa.
Enterprise Hardware Mfg. Co., Frederick, Md.
Frantz Mfg. Co., Sterling, Ill.
Gaynor Mfg. Co., Bridgeport, Conn.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Grey Iron Casting Co. (Hook, Flat & Bar), Mt. Joy, Pa.
Griffin Mfg. Co., Erie, Pa.
Howard Jas. L. & Co., Hartford, Conn.
Ives H. B. Co. (Hook, Flush, etc), New Haven, Conn.
Laughlin Thos. Co., 135 Fore, Portland, Me.
See adv index at end of book
McKinney Mfg. Co. (Wrought Steel), Liverpool & Metropolitan, Pittsburgh, Pa.
National Mfg. Co. (Wrought Steel or Brass), Sterling, Ill.
Norwalk Lock Co., South Norwalk, Conn.
Payson Mfg. Co. (Bar Sash), 2918 W Jackson blvd, Chicago, Ill.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sharon Hardware Mfg. Co. (Steel Flush, Hook, etc), Sharon, Pa.
Shelby Metal Products Co., Shelby, Ohio
Shelby Spring Hinge Co. (Steel Hook, also Bronze & Brass, Polished), Shelby, O.
Stanley Works (Wrought Steel), New Britain, Conn.
Taylor & Boggis Foundry Co., Cleveland, Ohio
Western Brass Mfg. Works, Marshall blvd & W 21st, Chicago, Ill.
Wilcor Mfg. Co., 4824 W Lake, Chicago, Ill.
Wrightsville Hdwe. Co., Wrightsville, Pa.

Lifts (Sewage)

See Sewage Ejectors

Lifts (Sidewalk)

See Elevators, Sidewalk

7427— Lifts (Skylight)

Danzer Metal Works, Hagerstown, Md.
Eagle Brass Foundry Co., Seattle, Wash.

7428— Lifts (Transom)

Corbin Cabinet Lock Co. (Concealed), New Britain, Conn.
Corbin P. & F. ("Corbin"), Dept. H, New Britain, Conn.
Payson Mfg. Co. ("Simplex"), 2918 W Jackson blvd, Chicago, Ill.
Penn Hardware Co. ("Penn"), Reading, Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.

7429— Lifts (Water)

See also Lifts, Pneumatic
See also Pumps, Hydraulic

Bishop & Babcock Co. ("Eureka," "Champion" Automatic Electric & Hydraulic), 1204 E 55th, Cleveland, O.
Buckeye Pump & Mfg. Co. ("Buckeye" Automatic), Columbus, O.
Cleveland Faucet Co. ("Champion" Automatic), 1396 E 9th, Cleveland, O.
Clow Jas. B. & Sons ("Clow"), Franklin & Harrison, Chicago, Ill.
Ingersoll-Rand Co., (Air), 11 Broadway, New York. *See adv index at end of book*
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
McDonald A. Y. Mfg. Co., (Electric), Dubuque, Ia.
Myers F. E. & Bro., 950 Orange, Ashland, O.
See adv index at end of book
National Water Lift Co. ("National" for Residences), Kalamazoo, Mich.
Ohio Pump & Brass Co. (Improved "Triumph" Hydraulic), Columbus, O.

7430— Light House Builders

Lewis Henry B., Ferry av & G. T. Ry., Detroit, Mich.
Meads Chas. & Co., 217 W 14th, New York
Stolz Jos. & Son, Inc., 841 E 136th, New York

7431—Lighters (Blasting-Fuse)

Atlas Powder Co., Wilmington, Del.
DU PONT E. I. DE NEMOURS & CO., INC., Explosives & Smokeless Powder Depts., Wilmington, Del.
See adv index at end of book
Giant Powder Co. Cons., 1st National Bank bldg., San Francisco, Cal.

7432— Lighters (Cigar)

Adjustable Lighter Assn. ("Universal"), Newton, Mass.
Art Metal Works, 7 Mulberry, Newark, N. J.
Bernhardt M. E. (Imp), 148 Chambers, New York
Bogert & Hopper, Inc. (Wooden Splints), 57 Barclay, New York
See adv index at end of book
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Brunhoff Mfg. Co. (Cutter & Lighter Combined), York & Freeman av, Cincinnati, O.
Computing Cheese Cutter Co. (Electric), Anderson, Ind.
Cowles C. & Co. (Electric), New Haven, Conn.
Cuno Engrg. Co., Meriden, Conn.
Drake Mfg. Co., 221 Grand, Milwaukee, Wis.
Duralectric Corp. ("Duralectric"), Mt. Tabor bldg, Jamestown, N. Y.
Elec. Automatic Cigar Lighter Co., 556 W 27th, New York
Elec. Heating & Mfg. Co., Westlake & Republican av, S Seattle, Wash.
Eldred Mfg. Co. ("Wizard" Electric), 817 W Washington, Chicago
Estes E. B. & Sons (Wooden, Splint), 364 5th av, New York
See adv index at end of book
Garl Electric Co. ("Garl" Automobile), Akron, O.
Interstate Electric Novelty Co., 60 Tillary, Brooklyn, N. Y.
Kraemer Mfg. Co., 148 Chambers, New York
Matchless Brass Mfg. Co., 57 Jay, Brooklyn, N. Y.
METAL SPECIALTIES MFG. CO. ("Presto"), Dept. H, 338 N Kedzie av, Chicago, Ill.
Milwaukee Advertising & Novelty Co., 813 Majestic bldg, Milwaukee, Wis.
Morse Frank W., 293 Congress, Boston, Mass.
Novitas Sales Co. ("Novitas" Packet), Waltham, Mass.
Ohio Electric Controller Co. (Electric Portable), 5900 Maurice av, Cleveland, O.
Sales Co. of America ("Litit"), 420 Turk, San Francisco, Cal.
Spielman Elec. Co. ("Seco"), 311 W 59th, New York
Taylor H. D. Co., 103 Oak, Buffalo, N. Y.

7433-4—Lighters (Gas, Electric)

(Above Means Torches)

See also Burners, Electric, Gas Lighting.
Adjustable Lighter Assn. ("Universal"), Newton, Mass.
American Ever Ready Works, Thompson av, L. I. City, New York
Bogart A. L. Co. ("Bartholdi"), 56 Park pl, New York
Cowles C. & Co., New Haven, Conn.
Houchin Thos. W. Co., 393 Broadway, New York
Milwaukee Gas Specialty Co., 2017 Clybourn, Milwaukee, Wis.
National Leter Sales Co., Woodhaven, N. Y.
Safety Gas Light Corp. ("Matchless"), Roanoke, Va.
Wiese Elect'l Appliance Co., 3217 Lisbon av, Milwaukee, Wis.

7435—Lighters (Range & Gas)

American Ever Ready Works, Thompson av, L. I. City, New York
Kraemer Mfg. Co. ("Kraemer" Friction), 148 Chambers, New York
Metal Specialties Mfg. Co., ("Presta"), Dept. H 338 N Kedzie av, Chicago, Ill.
National Letter Sales Co., Woodhaven, N. Y.
Safety Gas Lighter Co., Haverhill, Mass.

7435a—Lighting Accessories (Automobile)

Metal Specialty Mfg. Co. ("Presto"), Dept. H, 338 N Kedzie av, Chicago, Ill.
MORSE FRANK W. ("Morse"), 289 Congress, Boston, Mass.
See adv index at end of book
Raydex Inc. (Light Controlling Devices), Jamestown, N. Y.
Remy Elec. Co., Anderson, Ind.

7435c—Lighting Fixtures (Industrial)

Benjamin Electric Mfg. Co., ("Ben-Ox" Interchangeable"), 120 S Sangamon, Chicago, Ill.
Brascolite Co., Jefferson & Washington av, St. Louis, Mo.
Crescent Brass Products Mo., 8410H Lake av, Cleveland, Ohio
Harter Mfg. Co. ("Nitrolite," "Deluxlite"), 524 S Clinton, Chicago, Ill.
Herwig Art Shade & Lamp Co., 2140 N Halsted, Chicago, Ill.
Johnson-Meier Co. (Mfrs.), 155 Wendell, Chicago, Ill.
Miller Saw Trimmer Co., ("Anyangl"), Point bldg, Pittsburgh, Pa.
National X-Ray Reflector Co., 220 S State, Chicago, Ill.
Pacific Metal Works, 153H 1st, San Francisco, Cal.
Quadrangle Mfg. Co., ("Quad"), 553 W. Monroe, Chicago, Ill.
Westinghouse Electric Mfg Co., East Pittsburgh, Pa.

7435d— Lighting Fixtures (Out-door)

Herwig Co. (The), 1753-59 Sedgwick, Chicago, Ill.
See adv index at end of book

7436—Lighting Systems (Acetylene)

A. G. A. Railway & Signal Co., Elizabeth, N. J.
Acetylene Generator Mfg. Co. ("S. N."), 3631 South Park av, Los Angeles, Cal.
Milburn Alexander Co., 1420 W Baltimore, Baltimore, Md.
Moore Bros. Lighting Rod Co. ("Victor"), Maryville, Mo.
PREST-O-LITE CO., INC. (THE), 30 E 42nd, New York
See adv index at end of book

7437—Lighting Systems (Electric)

Aaron Electric Co., 15 S Clinton, Chicago, Ill.
American Engine & Foundry Co. (Farm), Charles City, Ia.
Atwater Kent Mfg. Co., 4937H Stenton av, Phila., Pa.
Bijur Motor Appliance Co. (For Automobiles & Motor Boats), 15th & Garden, Hoboken, N. J.
Campbell A. S. Co. ("Cello" Searchlights for Motor Boats), 161H Prescott, Boston, Mass.
Central Electric Co., ("Marolite"), 316 S Wells, Chicago, Ill.
COOPER HEWITT ELECTRIC CO. (Industrial Illumination), 8th & Grand, Hoboken, N. J.
Delco Light Co. Div. General Motors Co. ("Welco-Light," "Frigidaire"), Dayton, O.
Frink I. P., Inc., 237 10th, New York
Frost Engrg. Co. (For Farms), Evansville, Wis.
Heinze John O. Co., (Automobile) Springfield, Ohio.

Kewanee Private Utilities Co. ("Kewanee" for Isolated Plants), Kewanee, Ill.
King Mfg. Co., Dept. H, St. Joseph, Mo.
Kohler Co. ("Kohler" for Farms), Kohler, Wis.
Lauson-Lawton Co. (Portable or Stationary, for Yachts & Farms), De Pere, Wis.
Leece Neville Co. (Auto & Motor Boat), 5363 Hamilton av, Cleveland, O.
Main Electric Co. ("Main-Light"), Cleveland, O.
Matthews Engrg. Co. ("Matthews" for Homes, etc), Sandusky, O.
National Electric Lighting Co. (Farm & Automobile), Wilton Junction, Ia.
National X-Ray Reflector Co. (Show Case, Industrial, Flood Lighting, Indirect, Stage & Show Window), 235 W. Jackson blvd., Chicago, Ill.
North East Electric Co., Dept. H, Rochester, N. Y.
Northwestern Storage Battery Co., 140 Mason, Milwaukee, Wis.
Phoenix Electric Co., 133 W Washington, Chicago, Ill.
Premier Electric Co., 1123 S Wabash av, Chicago, Ill.
Radiant Mfg. Co. (For Residences), Sandusky, O.
Schroeder Headlight & Generator Co. (For Farms), Evansville, Ind.
Star Dynamo Works, (Farm), Jefferson City, Mo.
Termaat & Monahan Mfg. Co., Oshkosh, Wis.
United Engine Co. ("United," Farm), Lansing, Mich.
United States Light & Heat Corp. (For Farms), Niagara Falls, N. Y.
Wagner Electric Mfg. Co. ("Wagner Quality"), 6400 Plymouth av, St. Louis, Mo.
Wells R. C. Mfg. Co. ("Wells"), Fond du Lac, Wis.
Westinghouse Electric Mfg. Co., East Pittsburgh, Pa. *See adv index at end of book*
Willys Light-Dev. Electric Auto-Lite Corp. (Isolated & Farm), Toledo, O.
Wisconsin Foundry & Machine Co. (Farm), Madison, Wis.

7438—Lighting Systems (Gas)

AMERICAN GAS MACHINE CO. INC. Albert Lea, Minn., and 78 Reade, New York
Coleman Lamp Co. (& Cooking), Dept. H, Wichita, Kan.
Risinger Bros. Co. ("Risinger," Arc for Street, Factory, House, etc), East Liverpool, O.

7439—Lighting Systems (Gasoline)

Allen-Sparks Gas Light Co. ("Princess"), Lansing, Mich.
Burkett Lightning Rod Co., Fremont, O.
Doud Lighting Co., 163 Curtis, Chicago, Ill.
Economy Lamp Co. ("Economy"), 1701-15 Washington, Kansas City, Mo.
Gloria Light Co., 112 N May, Chicago, Ill.
Hannibal Gas Machine & Mfg. Co. ("Hannibal"), Hannibal, Mo.
Hydro-Carbon Light Co., 2404 First av, Seattle, Wash.
Incandescent Light & Stove Co. ("F. & P."), Madisonville, Cincinnati, O.
King Light Co. ("King"), Peoria, Ill.
Knight Light & So Fountain, 2729 Kildare av, Chicago, Ill.
Nagel-Chase Mfg. Co., 254 E Erie, Chicago, Ill.
National Stamping & Electric Works ("Nulite"), 424 S Clinton, Chicago, Ill.
New Specialty Mfg. Co., Council Bluffs, Ia.
Sun Vapor & Gas Street Light Co., Canton, Ohio
Tures Mfg. Co., 386 6th, Milwaukee, Wis.
Universal Battery Co., 3410 S. La Salle, Chicago, Ill.
Yale Light Co., 217 N. Desplaines, Chicago, Ill.

7440— Lightning Rods

Anderson Mfg. Co. ("Anderson"), Des Moines, Ia.
Bajohr Carl Lightning Conductor Co., 4055 Keokuk, St. Louis, Mo.
Beckman Bros., Des Moines, Ia.
Boston Lightning Rod Co., 755 Boyleston, Boston, Mass.
Dallas Brass & Copper Co., 225 N Jefferson, Chicago, Ill.
Diamond Cable Co., Bourbon, Ind.
Dodd & Struthers, Des Moines, Ia.
Dooley Lightning Rod Co. ("Dooley," also Fixtures), Topeka, Kans
Electra Lightning Rod Co. ("Silver Strand"), Cresco, Iowa
Goshen Lightning Rod Co., Goshen, Ind.
Hawkeye Lightning Rod Co. Cable & Fixtures), Cedar Rapids, Iowa
Hollow Cable Mfg. Co. ("Hollow Cable" Pure Copper), Hornell, N. Y.
Hum & Leatherman, 103 Market, Pittsburgh, Pa.
Hungerford U. T. Brass & Copper Co. (Copper & Fittings), 30 Lafayette, New York
Jones Thos. W., 153 Maiden la, New York
Maher J. J., Preston, Ia.
Martin Co., Sac City, Iowa
Mast Lighting Rod Co. (Copper Flange), West Milton, O.
Miller Lightning Rod Co., 3d & Geyer av, St. Louis, Mo.
Moore Bros. Lightning Rod Co., Marysville, Mo.
Owen J. D. & E. G., Janesville, Wis.
Reyburn-Hunter-Foy Co., 819 Broadway, Cincinnati, O.
Roeblings, John & Sons Co., Trenton, N. J. *See adv index at end of book*
St. Louis Rod Lightning Co., De Kalb & Trudeau, St. Louis, Mo.
Security Lightning Rod Co., Burlington, Wis.
Sewell Mfg. Co., 1315 S E 4th, Minneapolis, Minn.
Shrauger & Johnson, Atlantic, Ia.
Swenson Grubber Co. (Copper Cable), Cresco, Iowa
Thompson T. Mfg. Co., Brighton, Ia.
Toledo Cable Co., 506 S St. Clair, Toledo, O.
Washburne Edw. G. & Co. (Copper), 207 Fulton, New York

7440a—Lights (Automatic & Motor Truck)

PREST-O-LITE CO., INC., THE (Acetylene), 30 E 42nd, New York
See adv index at end of book

7441—Lights (Carriage Curtain)

California Auto Supply Co. Inc. (Automobile), 632 Mateo, Los Angeles, Cal.
Gordon J. P. Co. (Automobile), Columbus, O.
Martin Auto Specialty Co. ("Martin"), Lancaster, Ohio
Metal Stamping Co. ("Ideal" "Leakproof"), 13th, Long Island City, N. Y.
Monarch Carriage Goods Co. ("Monarch"), 2842 Spring, Cincinnati, O.
Neider, F. A. Co., Dept. H, Augusta, Ky.
Saal H. G. Co. (& Automobile), 1800 Montrose av, Chicago, Ill.
Stimpson Edwin B. Co. (Frames & Washers for Baby Carriage & Automobile Curtains), 852 Kent av, Brooklyn, N. Y. *See adv index at end of book*
Udell Works, Indianapolis, Ind.
Western Brass Mfg. Wks., Marshall blvd. & 21st, Chicago, Ill.
Winter Stamping Co. ("Winter Glass Rear for Automobiles), Dept. H, Goshen, Ind.

7441a—*Lights (Contractors' Portable)

See also Contractors' Portable Lights
MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*

LIGHTS—CONTRACTORS PORTABLE
We build Lights from 500 to 10,000 candle power
Kerosene Oil Lights or Carbide Lights.
MACLEOD CO., 2227 Bogen Street, Cincinnati, O

7442—Lights (Desk, Electric)

See also Portables, Electric

Almond T. R. Mfg. Co. ("Almond Flexo"), Ashburnham, Mass.
American Brass & Copper Co., 138 Lafayette, New York
Bussmann Mfg. Co., 3819 N 23d, St. Louis, Mo.
Butler Plating & Mfg. Co., 370 Atlantic av, Boston, Mass.
Dale Lighting Fixture Co., 107 W 13th, New York
Farber S. W. (Adjustable), 147 S 5th, Brooklyn, N. Y.
Farles Mfg. Co., Decatur, Ill.
Frink I. P., Inc., 239 10th, New York
Hubley Mfg. Co., Lancaster, Pa.
Killoch David Co. ("Kinsman" Daylight), 45 W Broadway, New York
Klemm & Co., 132 N 5th, Philadelphia, Pa.
McFaddin M. G. & Co. ("Emeralite"), 38 Warren, New York
McLeod, Ward & Co. ("Kinsman"), 907 Evans, New York
National Plastic Relief Co., 907 Evans, Cincinnati, O.
Play-O-Lite. Co. ("Play-O-Lite" Piano), 31 N Foster, Worcester, Mass.
Plume & Atwood Mfg. Co., ("Magnet"), Waterbury, Conn.
Retherford R. Milt, ("Flex-Lite"), 109 N High, Muncie, Ind.
Scribner A. C., Gloversville, N. Y.
Waterbury Metal Wares Co. ("Practi-Lite" Adjustable Electric), H, Jackson, Waterbury, Conn.
White H. C. Co. ("Radion"), North Bennington, Vt.
White J. H. Mfg. Co. ("Zenith"), 111 N 3d, Brooklyn, N. Y.
White O. C. Co., 17 Herman, Worcester, Mass.

7443— Lights (Door Key)

Arnold-Wagner Electric Co., South Bend, Ind.

7444—Lights (Portable, Acetylene)

See also Contractors' Portable Light

Carbic Mfg. Co. (Carbic), Duluth, Minn.
MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Milburn Alexander Co. (For Railroads & Contractors), 1420 W Baltimore, Baltimore, Md.
PREST-O-LITE CO., INC., THE (Flare), 30 E 42nd, New York
See adv index at end of book

7444a— Lights (Shaft)

Rayder Mfg. Co., Inc., Brackenridge, Pa.

7444b— Lights (Spot)

Brenkert Light Protection Co., 49 Cortlandt av., Detroit, Mich.
Darsie Mfg. Co., ("WondeRay" & "Williams"), 121 W 35th, Los Angeles, Cal.
Edelmann E. & Co. ("Rex" "Auto-Ray"), 2332 Logan blvd, Chicago, Ill.
Every Way Signal Co., 1714 S Grand, Los Angeles, Cal.
Gilfillian Bros. Inc., ("Californian" and "Pathfinder"), 1319 W 16th, Los Angeles, Cal.
Kaufman Chas. & Son, 1623 E 1st, Santa Anna, Cal.
Kay Bee Mfg. Co., ("Comet" & "Little King"), 3508 So Park av, Los Angeles, Cal.
Kilborn-Sauer Co. ("K. S." Automobile), Fairfield, Conn.
McIntosh Stereopticon Co., 30 E Randolph, Chicago, Ill.
MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
New York Calcium Light Co., 451 W 53d, New York
Reiber-Kolz ("Perfecto"), Adrian, Mich.
Reflector & Illuminating Co. ("Spot-O-Lite" & "Color-Lite"), 569 W Washington, Chicago, Ill.
S. & M. Lamp Co., 118 W 36th, Los Angeles, Cal.
Star Theatrical Lighting Co., 965 Folsom, San Francisco, Cal.
Steel Products Corp. of Calif., ("Duo-Lite"), 268 1st, San Francisco, Cal.
Wakefield F. W. Brass Co. (Automobile), Vermilion, O.

7445-6—Lights (Stage, Electric)

(Bunch, Foot, Spot, etc.)

American Reflector & Lighting Co., 517 W Jackson blvd, Chicago, Ill.
Brenkert Light Projection Co. Inc. (Spot), 49 Cortland av, Detroit, Mich.
Campbell Electric Co., 17 Stewart, Lynn, Mass.
Chicago Stage Lighting Co., 112 N La Salle, Chicago, Ill.
Condit Electrical Mfg. Co., 1st & L, Boston, Mass.
Frink I. P., Inc., 239 10th, New York
Hallberg J. H., 25 W 45th, New York
Holzmueller C. J., 1108 Howard, San Francisco, Cal.
Huelman & Moore, 125 E Canal, Cincinnati, O.
Louisiana Metal Cobinet Wks., New Orleans, La.
National X-Ray Reflector Co., 220 S State, Chicago, Ill.
Newton C., 331 W 18th, New York
New York Calcium Light Co., 451 W 53d, New York
Reflector & Illuminating Co. ("Spot-O-Lite" & "Color-Lite"), 569 W Washington, Chicago, Ill.
Standard Mechancal Equipt. Co., Dallas, Tex.
Star Theatrical Lighting Co., 965 Folsom, San Francisco, Cal.
Sunlight Reflector Co., 226 Pacific, B'klyn, N. Y.
UNIVERSAL ELECTRIC STAGE LIGHTING CO., INC., (Kliegl Bros.), ("Kliegl"), 321 W 50th, New York
Western Elec. Co. (Side Distributors for Amer. Ltg. Co.), 463 West, New York
Wheeler Reflector Co., 156 Pearl, Boston, Mass.

7447—Lignum Vitae Turnings

Bolander L. Ph. & Son, 954 Bryant, San Francisco, Cal.
Seib Bros. Co., 96-100 Boyd av, Jersey City, N. J.

7447a— Limbs (Artificial)

Doerflinger Artificial Limb Co., 3001 East, Pittsburgh, Pa.
Fuller Geo. R. Co., 230H Andrews, Rochester, N. Y.
Lundberg A. Co., 1101 3rd av, Seattle, Wash.
Martin Halstead Co., 300 Woodward av, Detroit, Mich.
Pittsburgh Orthopedic Co., 635 Liberty av, Pittsburgh, Pa.

Lime Acetate

(See Acetate of Lime)

7447b— Lime Carbonate

California Master Products Co., Alameda & Slawson av, Los Angeles, Cal.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw Fuller & Goodwin Co., 545 Hanna bldg., Cleveland, O.
See adv index at end of book
Mallinckrodt Chemical Wks., 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Mitchell Lime Co., Mitchell, Ind.
Security Cement & Lime Co., Hagerstown, Md.
Warnick E. H. Co., Wilkes-Barre, Pa.
Winkley Artificial Limb Co., 1326 Washington av, Minneapolis, Minn.

7448— Lime (Caustic)

American Lime & Stone Co., Tyrone, Pa.
Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*

7449— Lime (Chemical)

Canyon Lime Co., East Las Vegas, N. Mex.
Chemical Lime Co., Bellefonte, Pa.
FERGUSSON ALEX. C., JR., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw Fuller & Goodwin Co., 545 Hanna bldg., Cleveland, O.
See adv index at end of book
Marblehead Lime Co., 156 N La Salle, Chicago, Ill.
Miller & Coulson (Dealer), 5748 Ellsworth av, Pittsburgh, Pa.
Mitchell Lime Co., Mitchell, Ind.
Palmer Lime & Cement Co. ("Palmer," 99 per cent. Pure Carbonate), 103 Park av, New York
Peerless White Lime Co., Century bldg, St. Louis, Mo.
Security Cement & Lime Co. (Carbonate of Lime), Hagerstown, Md.
Warner Chas. Co., I. O. Odd Fellows bldg., Wilmington, Del.
Washington Building Lime Co., Equitable bldg., Baltimore, Md.

7450— Lime Flour

Chrystal Chas. B. Co. Inc., 13 Cliff, New York *See adv index at end of book*
Hammill & Gillespie (Imp.), 240 Front, New York
Wagner Chas. A. Co., Inc., 810 Noble, Philadelphia, Pa.
Whittaker, Clark & Daniels, Inc. (Imp.), 250 Front, New York

Lime (Glycerophosphate)

See Calcium Glycerophosphate

7451—Lime (Ground & Crushed)

Acme Fire Clay Works, New Cumberland, W. Va.
American Lime & Stone Co. (Also Ground Limestone), Tyrone, Pa.
Glencoe Lime & Cement Co., Syndicate Trust bldg, St. Louis, Mo.
Herzog Jno. & Son, Forest, O.
Kelley Island Lime & Transport Co., Leader News bldg, Cleveland, O.
Miller & Coulson (Dealer) 5748 Ellsworth av, Pittsburgh, Pa.
National Mortar & Supply Co., H, Federal Reserve bldg, Pittsburgh, Pa.
Ohio & Western Lime Co., Huntington, Ind.
Rockland & Rockport Lime Co., 101 Park av, New York
Scioto Lime & Stone Co., Delaware, O.
Security Cement & Lime Co., Hagerstown, Md.
Shimer & Co. Inc., 133H S 4th, Phila., Pa.
Standard Lime & Stone Co., Fond du Lac, Wis.
Warner Chas. Co. ("Cedar Hollow" plant) I. O. O. F. bldg, Wilmington, Del.
Washington Building Lime Co., Equitable bldg., Baltimore, Md.
Woodville Lime Products Co., 622 Madison av, Toledo, O

7452— Lime (Hydrated)

Ash Grove Lime & Portland Cement Co., 7th ft Grand av. Temple, Kansas City, Mo.
Cleveland Builders' Supply Co. ("Dealers"), Leader-News bldg, Cleveland, O.
Dittlinger Lime Co. ("Snowdrift"), New Braunfels, Texas
Doggett Stanley, 11 Cliff, New York
Dutchess County Lime Co., Scarboro, N. Y.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Gager Lime & Mfg. Co., James blvd, Chattanooga, Tenn.
Glencoe Lime & Cement Co., Syndicate Tr. bldg, St. Louis, Mo.
Hankins-Willis Lime & Cement Co. (High Calcium), Century bldg, St. Louis, Mo.
Hannibal Lime Co. ("White Bear" High Calcium), 623 Collier, Hannibal, Mo.
Harshaw Fuller & Goodwin Co., 545 Hanna bldg., Cleveland, O.
See adv index at end of book
Kelley Island Lime & Transport Co. ("Tiger" Finish, Masons', Agricultural & Chemical Brands), Leader-News bldg, Cleveland, O.
Knickerbocker Lime Co., 866 N 24th, Philadelphia, Pa.
Kutztown Lime & Crushed Stone Co., Kutztown, Pa.
Louisville Cement Co. ("White Star"), 315H Guthrie, Louisville, Ky.
Marblehead Lime Co. (Pure Calcium), 156 N La Salle, Chicago, Ill.
Miller & Coulson (Dealer), 5748 Ellsworth av, Pittsburgh, Pa.
Mitchell Lime Co., Mitchell, Ind.
National Lime & Stone Co. ("Monarch"), Carey, O.
National Mortar & Supply Co. ("Banner" "Superior" Finishing & Masons), H, Federal Reserve bldg, Pittsburgh, Pa.
Ohio Hydrate & Supply Co., Woodville, O.
Ohio & Western Lime Co. ("Diamond"), Huntington, Ind.
Palmer Lime & Cement Co., 103 Park av, New York
Peerless White Lime Co., Century bldg, St. Louis, Mo.
Product Sales Co., Equitable bldg, Baltimore, Md.
Riverton Lime Co., Riverton, Va.
SCHAFFER ENGINEERING & EQUIPMENT CO., (Continuous & Automatic), 2828 Smallman, Pittsburgh, Pa.
See adv index at end of book
Scioto Lime & Stone Co., Delaware, O.
Security Cement & Lime Co. ("Berkeley"), Hagerstown, Md.
Southern Gypsum Co., North Holston, Va.
Standard Lime & Stone Co., Fond-du-Lac, Wis.
Tidewater Portland Cement Co., Calvert bldg, Baltimore, Md.
United States Gypsum Co. ("Ivory"), 205 W Monroe, Chicago, Ill.
Warner Chas. Co. ("Cedar Hollow" Plant), I. O. O. F. bldg, Wilmington, Del.
Washington Building Lime Co., Equitable bldg, Baltimore, Md.
Western Lime & Cement Co., Pabst bldg, Milwaukee, Wis.
White Marble Lime Co., Manistique, Mich.
Whittaker, Clark & Daniels, Inc. (Imp.), 250 Front, New York
Woodville Lime Products Co., 622 Madison av, Toledo, O.

7452a— *Lime Hydrators

SCHAFFER POIDOMETER CO., FORMERLY SCHAFFER ENGINEERING & EQUIPMENT CO., (Continuous & Automatic) 2828 Smallman, Pittsburgh, Pa.
See adv index at end of book

7453— Lime (Hydraulic)

Bangs-Gaynor Cement & Plaster Co., Fayetteville, N. Y.
Doggett Stanley, 11 Cliff, New York
Fowler & Pay ("Brown"), Mankato, Minn.
Menominee Brick Co., Menominee, Mich.
Ohio & Western Lime Co. ("Diamond"), Huntington, Ind.
Sheedy Thos. W., Fayetteville, N. Y.
Solvay Process Co., Syracuse, N. Y.

Lime (Hypophosphite)

See Calcium, Hypophosite

7454—Lime (Magnesian White)

Kelley Island Lime & Transport Co., Leader News bldg, Cleveland, O.
Lee Lime Co. (For Sulphite & Rag Paper Mills, Hard Plaster, Scratch & Brown Coat, etc), Lee, Mass.
Warner Chas Co., I. O. Odd Fellows bldg, Wilmington, Del.
Woodville Lime Products Co., 622 Madison av, Toledo, Ohio

7455— Lime Mfrs.

For Lime Dealers see Masons' & Builders' Materials

ALABAMA.

ALLGOOD—Cheney Lime Co.
EUREKA—O'Neal C. L.
KEYSTONE—Keystone Lime Co. (See Charleston, S. C.)
NEWALA—Newala Lime Works
PAINT ROCK—Saginaw Lime & Lumber Co.
SAGINAW—Saginaw Lime & Stone Co.

ARIZONA.

NELSON—Grand Canyon Lime & Cement Co. (See Los Angeles, Cal.)
PUNTENNEY—Puntenney Lime Co.

ARKANSAS.

FAYETTEVILLE—Ozark White Lime Co. Works: Johnson, Ark.
GARFIELD—McKinlay P. Jr.
JOHNSON—Ozark White Lime Co. (See Fayetteville, Ark.
ROGERS — Rogers White Lime Co. (White)
RUDDELLS—Arkansas Lime Co.

CALIFORNIA.

BAKERSFIELD — Bakersfield Sandstone Brick Co.
FELTON—Holmes Lime & Cement Co. (See San Francisco, Cal.)
KENNETT—Holt & Gregg Co. (See Redding)
LOS ANGELES — Blue Diamond Materials Co. Inc., ("Blue Diamond"), 2200 E 16th
California Portland Cement Co., Pacific Mutual bldg.
Grand Canyon Lime & Cement Co. Works, Nelson, Ariz.
Oro Grande Lime & Stone Co. Works: Halleck, Cal.
Pacific Lime & Plaster Co., 58 Sutter
Pacific Marble Quarries Co. ("Cave Cannon"), Citizens Nat. Bank bldg
Summit Lime Co. Works: Tehachapi Cal.
REDDING—Holt & Gregg Co.
SAN FRANCISCO—Cowell Hy. Lime & Cement Co., 2 Market
Holmes Lime & Cement Co. Postal Tel. bldg
Horton Lime Co., Monadnock bldg.
Pacific Lime & Plaster Co., 58 Sutter
SAN JOSE—Bernal Mari Fertilizer Co., (Agricultural Lime Mari), 207 S 1st
SANTA CRUZ—Cowell Hy. Lime & Cement Co. (See San Francisco)
SONORA—Pacific Lime & Plaster Co. (See San Francisco, Cal.)
TEHACHAPI—Summit Lime Co. (See Los Angeles, Cal.)

COLORADO.

DENVER—Colorado Lime Corp., Empire bldg
Colorado Portland Cement Co., Ideal bldg. Works: Portland, Ore.
PORTLAND—Colorado Portland Cement Co. (See Denver, Colo.)

CONNECTICUT.

CANAAN—Connecticut Lime Co. (See Lee, Mass.)
New England Lime Co. (See Danbury, Conn.)
EAST CANAAN—Connecticut Lime Co. (See Lee, Mass.)
DANBURY—New England Lime Co.
Stearns Lime Co.
REDDING—New England Lime Co. (See Danbury, Conn.)

DELAWARE.

WILMINGTON—Warner Chas. Co. ("Limoid" "Kreme-Kote" "Dri-Mix"), I. O. Odd Fellows bldg.

FLORIDA.

OCALA—Florida Lime Co.

IDAHO.

BAYVIEW—Washington Brick, Lime & Sewer Pipe Co. (See Spokane, Wash.)

ILLINOIS.

CHICAGO—Allwood Lime Co., 30 N Dearborn
Artesian Stone & Lime Works Co., Grand & Campbell avs
Brownell Improvement Co., Cham. of Com bldg
Chicago Union Lime Works Co., 1900 W 19th
Druecker N. J. & Co., 2634 N Artesian av
Marblehead Lime Co. (Lump and Building), 156 N La Salle
Stearns Lime Stone Co., 105 S La Salle
Templeton Lime Co., 1019 N Homan av
Wisconsin Lime & Cement Co., 111 W Wash.
FULTON—Alden Lime Co. (See Clinton, Ia.)
KANKAKEE—Ruhle Christian
LYONS—Riverside Lime & Stone Co.
MARBLEHEAD—Marblehead Lime Co., (See Chicago, Ill.)
PORT BYRON—Port Byron Lime Association.
QUINCY—Menke F. W. Stone & Lime Co.
Meyer W. D. (Marble White)
Quincy White Lime & Cement Co.

INDIANA.

DELPHI—Delphi Lime Co.
Harley C. & G. P.
HUNTINGTON—Ohio & Western Lime Co. (White)
MITCHELL—Mitchell Lime Co.
PORTLAND—A. & C. Stone & Lime Co. (See Indianapolis, Ind.)

IOWA.

CLINTON—Alden Lime Co. Works: Fulton, Ill.
DES MOINES—Des Moines Fuel & Lime Co.
DUBUQUE—Eagle Point Lime Works
MAQUOKETA—Hurst A. (Est. of)
OTTUMWA—Ottumwa Lime & Cement Co.

KANSAS.

CHANUTE—Ash Grove Lime & Portland Cement Co. (See Kansas City, Mo.)

KENTUCKY.

LOUISVILLE — Louisville Cement Co. ("Blue River"), 315H Guthrie
MOUNT VERNON—Mount Vernon Lime Co.

MAINE.

ROCKLAND—Bird A. J.
Rockland & Rockport Lime Co.
THOMASTON—Creighton Jas. A. & Co.

MARYLAND.

BALTIMORE—Green Robt. S., 3232 Frederick av
Platt & Co. (Shell), Key Highway & Boyle
Rockcastle Cement & Lime Co., Munsey bldg
Standard Lime & Stone Co., Equitable bldg
Tidewater Portland Cement Co., Calvert bldg. Works: Union Bridge, Md.
Washington Building Lime Co., Equitable bldg
BUCKEYSTOWN—Standard Lime & Stone Co. (See Baltimore, Md.)
Washington Bldg. Lime Co. (See Baltimore, Md.)
CAVETOWN—Bushey G. M. & Son
FREDERICK—Keller O. J. Lime Co.
HAGERSTOWN—Security Cement & Lime Co.
LE GORE—Le Gore Combination Lime Co.
LIME KILN—Grove M. J. Lime Co.
SECURITY—Security Cement & Lime Co. (See Hagerstown, Md.)
TEXAS—Lindsay William P.
UNION BRIDGE—Tidewater-Portland Cement Co. (See Baltimore, Md.)
WALKERSVILLE—McAleer Lime Co.
WOODSBORO—Barrick S. W. & Son

MASSACHUSETTS.

ADAMS—Hoosac Valley Lime Co.
New England Lime Co. (See Danbury, Conn.)
CHESHIRE—Cheshire Lime Mfg. Co.
FARNAMS—Farnam-Cheshire Lime Co. (See N. Y. C.)
GREAT BARRINGTON—Berkshire Hills Co.
LEE—Connecticut Lime Co. Works: East Canaan, Conn.
Lee Lime Co. (Magnesia White Lime)
RICHMOND—Pittsfield Lime Co.
WEST STOCKBRIDGE—Granger Lime & Marble Co.
Miller Clifford L.
Tobey Lime Co.
West Stockbridge Lime Co.
WORCESTER—Brewer & Co. (Agricultural), 35 Arctic

MICHIGAN.

CHARLEVOIX—Charlevoix Rock Products Co.
MANISTIQUE—White Marble Lime Co.
MENOMINEE—Lyon Bros.
PETOSKEY — Antrim Lime Co. (See Grand Rapids, Mich.)
Northern Lime & Stone Co.

MINNESOTA.

MANKATO—Coughlan T. R. Co.
Fowler & Pay ("Brown" Hydraulic)
RED WING—Lillyblad Gust.

MISSOURI.

ASH GROVE—Ash Grove Lime & Portland Cement Co. (See Kansas City, Mo.)
BRICKEYS—Arrow Head Mfg. Co. (See St. Louis, Mo.)
CAPE GIRARDEAU—Cape Lime & Marble Co.
CARTHAGE—Carthage Marble & White Lime Co. (See St. Louis, Mo.)
CENTAUR STATION—Centaur Lime Co.
GLENCOE—Glencoe Lime & Cement Co. (See St. Louis, Mo.)
HANNIBAL—Hannibal Lime Co. ("Bear Creek" & "White Bear" High Calcium, Hydrated & Lump), 623 Collier
KANSAS CITY—Ash Grove Lime & Portland Cement Co. ("Ash Grove" White) 7th ft. Grand av. Temple
Marblehead Lime Co., R. A. Long bldg (See Chicago, Ill.)
Phenix Marble Co., 19th & Olive. Works: Phenix, Mo.
LOUISIANA—Marble Head Lime Co. (See Chicago, Ill.)
PIERCE CITY—Pierce City Lime Co. (White)
STE. GENEVIEVE—Peerless White Lime Co. (See St. Louis, Mo.)
Ste. Genevieve Lime & Quarry Co. (See St. Louis, Mo.)
Western Lime Works
ST. LOUIS—Glencoe Lime & Cement Co. Works, Glencoe, Mo.
Hunkins-Willis Lime & Cement Co. (White, etc), Century bldg.
Peerless White Lime Co., Century bldg
Ste Genevieve Lime & Cement Co., Mermod-Jaccard bldg
SPRINGFIELD—Marblehead Lime Co. (See Chicago, Ill.)

MONTANA

ELLISTON—Elliston Lime Co.

NEW JERSEY.

BRIDGETON—Frazeur Lime Works
CAMDEN—Camden Lime Co.
ELIZABETH—Smith Lime Flour Co.
GERMAN VALLEY—Neighbour E. J.
HAMBURG — New Jersey Lime Co. Works: McAfee Valley, N. J.
Vanderhoof Lime Co.
LIME CREST—Limestone Products Corp. of Am. (Pulverized)
McAFEE VALLEY—New Jersey Lime Co. (See Hamburg, N. J.)

NEW MEXICO.

E. LAS VEGAS—Canyon Lime Co., (Building)

NEW YORK.

BIGELOW—Williams Chas. & Co. (Mostly in Bulk)
BROOKLYN—(See New York City, Borough of Brooklyn)
CALEDONIA—International Agrl. Corp. (See N. Y. C.)
CHAUMONT—Adams & Duford Co. ("Chaumont" White Lime in Bulk & Barrel)
CHAZY—Chazy Marble Lime Co.
DOVER PLAINS—Duchess County Lime Co.
FAYETTEVILLE—Bangs-Gaynor Cement & Plaster Co. (Water, Lime or Cement)
Sheedy Thos. W. (Water Lime or Cement)
GLEN FALLS—Finch, Pruyn & Co., Inc. (Wood burnt)
Wait F. W. Lime Co.
HONEOYE FALLS—Genesee Lime Co.
LEROY—Heimlich J.
NEWBURGH—Harrison & Curtis

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Manhattan Lime Co., 3709 Ft. Hamilton pkwy
Shenango Limestone Co.

Boroughs of Manhattan and Bronx.

NEW YORK—Bloomer Lime Co., 406 E 149th
Farnam-Cheshire Lime Co., 39 Cort.
International Agrl. Corp., 61 B'way
Limestone Products Corp. of Am. (Pulverized), 26 Cortland
Miller Clifford L., 280 Madison av
New York & New England Cement & Lime Co., 25 B'way
Palmer Lime & Cement Co. ("Cheshire," "Bellefonte," "Palmer," "Yorktown Heights," "Palmer," White"), 103 Park av

(End of New York City)

ROCHESTER — Rochester Lime Co. ("Snow Flake")
Will Corp., Dept. H.
SCARBORO—Dutchess County Lime Co.
UTICA—Conley F. E. Stone Co.

NORTH CAROLINA.

ASHEVILLE—Blue Ridge Lime Co.
FLETCHER—Blue Ridge Lime Co.

OHIO.

BUCYRUS—Broken Sword Stone Co.
CAREY—National Lime & Stone Co.
CEDARVILLE—Ervin D. S. Co. (Large)
CLAY CENTER—Kelley Island Lime & Transport Co. (See Cleveland, O.)
CLEVELAND—Kelley Island Lime & Transport Co., ("Tiger Finish"), Leader News bldg.
DELAWARE—Scioto Lime & Stone Co.
EIFORT—Morgan & Horton
FOREST—Herzog Jno & Son (White & Lump)
FOSTORIA—Ohio & Western Lime Co. (Ground & in Lump). (See Huntington, Ind.)
FREMONT—Gottron Bros. Co.
GENOA—Ohio & Western Lime Co. (White). (See Huntington, Ind.)
GIBSONBURG—National Mortar & Supply Co. (See Pittsburgh, Pa.)
Ohio & Western Lime Co. (White). (See Huntington, Ind.)
KELLEYS ISLAND—Kelley Island Lime & Transport Co. (See Cleveland, O.)
LEETONIA—Shenango Limestone Co.
LISBON—Lisbon Lime Co.
LUCKEY—Doherty Lime & Stone Co. (See Toledo, O.)
MARBLEHEAD—Kelley Island Lime & Transport Co. (See Cleveland, O.)
MARION—Evans John Stone & Lime Co.
Ohio & Western Lime Co. (See Huntington, Ind.)
OWENS—Owens John D. & Son Co.
PATTERSON—Herzog Jno & Son (White & Lump)
PIQUA—Ohio Marble Co.
ROCKY RIDGE—Rocky Ridge Lime & Stone Co.
SANDUSKY — Kelley Island Lime & Transport Co. (See Cleveland, O.)
SPRINGFIELD—Mills Bros.
Moores Lime Co.
TIFFIN—Ohio & Western Lime Co. (See Huntington, Ind.)
Weot Lime & Stone Co.
TOLEDO—Woodville Lime Products Co. (White & Agricultural), 622 Madison av
WOODVILLE—Woodville Lime Products Co. (See Toledo, O.)

OREGON

PORTLAND—Acme Cement Plaster Co., (Plant, Gypsum, Oregon), 335 E Main

PENNSYLVANIA.

ALLENTOWN—Mertz Chas. H., 20th & Fairview
ANNVILLE—Annville Lime Co. (See Lebanon, Pa.)
BELLEFONTE—American Lime & Stone Co. (See Tyrone, Pa.)
Bellefonte Lime Co.
Center County Lime Co.
Chemical Lime Co.
Empire Lime Kilns
Whiterock Quarries
BETHLEHEM—Bethlehem Lime & Stone Co.
BITTINGER—Bittinger E. M.
Moul J. H. & Sons
BRIDGEPORT—Tyson J. L. (See Phila., Pa.)
CARLISLE—Goodyear Bros.
EASTON—Easton Lime Co.
ELLWOOD CITY—Beaver Valley Lime Co.
EMIGSVILLE—Emigsville Quarry Co.
FRAZER—Knickerbocker Lime Co. (See Phila., Pa.)
HARRISBURG—Whittock J. M. (Crushed Stone & Lime)
GROVE CITY—Grove City Limestone Co.
HYNDMAN—Enterprise Lime & Ballast Co.
KUTZTOWN—Kutztown Lime & Crushed Stone Co.
LANCASTER—Lancaster Lime & Supply Co.
LEBANON—Annville Lime Co. Works: Annville, Pa.
LEMOYNE—United Lime & Stone Co. (See Harrisburg, Pa.)
LIMERIDGE—Low Bros. & Co.
Paragon Plaster & Supply Co. (See Scranton, Pa.)
MYERSTOWN—Wagner Thos. A.
NEW CASTLE—Rose Point Stone & Lime Co.
NORRISTOWN—Lukens & Yerkes. (See Phila., Pa.)
Merion Lime & Stone Co.
PHILADELPHIA—Bradley Walter T. Co.
Knickerbocker Lime Co. (Inc.), 866 N 24th. Works: Frazer, Pa.
Lukens & Yerkes, Stephen Girard bldg. Works: Norristown, Pa.
Warner Chas. Co. (Cedar Hollow, Wrightville & Potomac Lime Stone), Morris bldg
PITTSBURGH—Miller & Coulson (Dealer), 5748 Ellsworth av
National Mortar & Supply Co., H, Federal Reserve bldg,
PLYMOUTH MEETING—Corson G. & W. H.
Cox Lime & Stone Co.
PORTLAND—Keller Luther. (See Scranton, Pa.)
READING—Reading Lime Co.
SCRANTON—Haslam Lime & Chemical Co.
Keller Luther
Paragon Plaster & Supply Co. Works: Limeridge, Pa.
THOMASVILLE — Thomasville Stone & Lime Co.
TYRONE—American Lime & Stone Co.
WICK—Climax Lime & Stone Co.
WRIGHTSVILLE—Steacy & Wilton Co.
YORK—Baker J. E. Co.
Palmer L. M.
York Valley Lime Co.
YORK SPRINGS—Trostel Geo. H.

SOUTH DAKOTA.

PRINGLE—Black Hills Lime Co.

TENNESSEE.

CHATTANOOGA—Gager Lime & Mfg. Co., James blvd. Works: Sherwood, Tenn.
CRAB ORCHARD—Southern States Lime Corp. ((See Charleston, S. C.)
ERIN—Rauscher E. W.
KNOXVILLE—Tennessee Lime & Sand Co. Island Home pk
MEMPHIS—Denie's Jno. A. Sons Co. (Ala., Ark. & Tenn. Lime), 373 Adams
NASHVILLE—Tennessee Cement & Lime Co., 306½ Union
PALMYRA—Hussey M. M. & E. T.
SHERWOOD—Gager Lime & Mfg. Co. (See Chattanooga, Tenn.)
SUMMITVILLE — Tennessee Cement & Lime Co. (See Nashville, Tenn.)

TEXAS.

AUSTIN—Austin White Lime Co.
EL PASO—Courchesne A.
NEW BRAUNSFELS—Dittlinger Lime Co.
OGLESBY—Boone D. R.

(Continued on following page)

Lime Mfrs.—Continued

UTAH.

SALT LAKE CITY—Langston Lime & Cement Co.

VERMONT.

HIGH GATE SPRINGS—Missiquoi Lime Works
IRA—Day Dexter D. & Son
LEICESTER JUNCTION — Brandon Lime & Marble Co.
MIDDLEBURY — Green Mountain Lime Corp.
NEW HAVEN—Green Mountain Lime Corp.
NORTH POWNAL—New England Lime Co. (See Danbury, Conn.)
SAINT ALBANS—Fonda W. B. (Est. of) Works: Swanton Junction, Vt.
SWANTON—Rich Jno. P.

VIRGINIA.

EAGLE ROCK—Moore Lime Co. (See Richmond, Va.)
INDIAN ROCK—Dillon's E. Sons
LEESBURG—Leesburg Lime Co.
LIMETON—Limeton Lime Co.
LINVILLE—Linville Lime Co.
NORFOLK—Lee A. S. & Sons Co. (See Richmond)
ORANDA—Orndorff M. M.
RICHMOND—Moore Lime Co. Works: Eagle Rock, Va.
Powhattan Lime Co.
RIVERTON—Riverton Lime Co. (Barrel and Bulk)
ROANOKE—Adams Payne & Gleaves Inc. (Dlrs.)
STAUNTON—Felsworth Lime Co.
STEPHENS CITY—Grove M. J. Lime Co. (See Lime Kiln, Md.)
STRASBURG—Powhatan Lime Co. (See Richmond, Va.)
Standard Lime & Stone Co. (See Baltimore, Md.)
STRASBURG JUNCTION — Shenandoah Lime Co.
TOMS BROOK—Rockdale Lime Co.

WASHINGTON.

DEER HARBOR—Cowell Henry Lime & Cement Co. (See San Francisco, Cal.)
Orcas Lime Co.
EVANS—Idaho Lime Co. (See Spokane, Wash.)
FRIDAY HARBOR—Cowell Henry Lime & Cement Co. (See San Francisco, Cal.)
ROCHE HARBOR—Tacoma & Roche Harbor Lime Co.
SEATTLE—Orcas Lime Co. (See Deer Harbor)
SPOKANE — Idaho Lime Co. Works: Evans, Wash.
Washington Brick, Lime & Sewer Pipe Co. Works: Bayview, Idaho
SUMAS—International Lime Co.

WEST VIRGINIA.

BAKERTON—Washington Building Lime Co. (See Baltimore, Md.)
BUNKER HILL—Baker J. E. Co. (See York, Pa.)
KENOVA—Basic Products Co. (See Pittsburgh, Pa.)
MARTINSBURG — Blair Limestone Co. (See Pittsburgh, Pa.)
Standard Lime & Stone Co. (See Baltimore, Md.)
NEW CUMBERLAND—Acme Fire Clay Works

WISCONSIN.

APPLETON—Marston Bros. Co.
BRILLION—Union Lime Co. (See Milwaukee, Wis.)
CEDARBURG—Groth J. F. & Son
DRUECKER—Independent Lime & Stone Co.
FOND DU LAC—Standard Lime & Stone Co. (White)
GRAFTON—Milwaukee Falls Lime Co. (See Milwaukee, Wis.)
GRIMMS—Union Lime Co. (See Milwaukee, Wis.)
HAYTON—Union Lime Co. (See Milwaukee, Wis.)
KEWAUNEE—Nast Bros. Lime & Stone Co. (See Marblehead, Wis.)
KNOWLES—Nast Bros. Lime & Stone Co. (See Marblehead, Wis.)
Standard Lime & Stone Co. (See Fond du Lac, Wis.)
MARBLEHEAD—Nast Bros. Lime & Stone Co. (See Milwaukee, Wis.)
Union Lime Co.
MAYVILLE—Mayville White Lime Works
MENASHA—Plummer H. H.
MILWAUKEE—Milwaukee Falls Lime Co.
Western Lime & Cement Co., Pabst bldg
OSHKOSH—Cook & Brown Lime Co.
QUARRY—Empire Lime & Stone Co. (See Milwaukee, Wis.)
SHEBOYGAN—Sheboygan Lime Works
TEMPLETON—Templeton Lime Co. (See Chicago, Ill.)
VALDERS—Standard Lime & Stone Co. (See Fond du Lac, Wis.)
Valders Lime & Stone Co.

Lime Permanganate

See Calcium, Permanganate

7455a— Lime Plants

SCHAFFER POIDOMETER CO., FORMERLY SCHAFFER ENGINEERING & EQUIPMENT CO. (Continuous and Automatic), 2828 Smallman, Pittsburgh, Pa.
See adv index at end of book

7455b— Lime Sulphate

Doggett Stanley, 11 Cliff, New York
Higginson Mfg. Co., Newburgh, N. Y.

Lime Sulphide

See Calcium, Sulphide

Lime Sulphite

See Calcium Sulphite

7456—Lime Sulphur Solution

Dow Chemical Co., Midland, Mich.
Fergusson, Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Mechling Bros. Mfg. Co., Camden, N. J.
Taylor Chemical Co., Penn Yan, N. Y.
Thomsen Chemical Co., Race & Winder, Baltimore, Md.

7457— Lime (Vienna)

Burns E. Reed, 27 Jackson, Brooklyn, N. Y.
Hanson & Van Winkle Co., 269 Oliver, Newark, N. J.
Sieman & Elting, 99 Nassau, New York

7458— Limestone

Bedford Stone & Construction Co., 1850 W Astor, Indianapolis, Ind.
Bloomington-Bedford Stone Co., Bloomington, Ind.
Blue Limestone Co., B'way & K N E, Minneapolis, Minn.
Carew Jos. F. Inc., Gerard & Mass. av, Boston, Mass.
Chicago & Bloomington Stone Co., Bloomington, Ind.
Consolidated Stone Co., Bedford, Ind.
Crescent Stone Co., Bloomington, Ind.
Dolese & Shepard Co. (Crushed), 108 S La Salle, Chicago, Ill.
El Dorado Lime & Minerals Co., 16 California, San Francisco, Cal.
Empire Stone Co., 76 W Monroe, Chicago, Ill.
Furst-Kerber Cut Stone Co., 2301 S La Salle, Chicago, Ill.
Hannibal Lime Co. (Crushed & Agricultural, 623 Collier, Hannibal, Mo.
Hoadley J. & Son Co., Bloomington, Ind.
Hunter Bros. Co., Bloomington, Ind.
Imperial Stone Co., Bedford, Ind.
Indiana Quarries Co., 112 W. Adams, Chicago, Ill.
Lavino E. J. & Co., Bullitt bldg., Phila., Pa.
McCormick David & Son, Holyoke, Mass.
McMillan W. & Son, Otis bldg, Chicago, Ill.
National Stone Co. (Buff & Blue), Bloomington, Ind.
Pacific Marble Quarries Co., Citizens Nat. Bank bldg, Los Angeles, Cal.
Perry Stone Co., Ellettsville, Ind.
Shea & Donnelly Co., 34 Roland, Boston, Mass.
Shenango Limestone Co., Leetonia, Ohio
Tompkins Kiel Marble Co. ("American"), 505 5th av, New York
Winfield Limestone Co., 2215 Oliver bldg, Pittsburgh, Pa.

7459—Limestone (Ground & Powdered)

American Ballast Co. (Pulverized), Holton Nat. Bk. bldg, Knoxville, Tenn.
Bessemer Limestone Co. (For Agricultural Use), Youngstown, O.
California Portland Cement Co., Pacific Mutual bldg, Los Angeles, Cal.
Casparis Stone Co. (Ground Limestone), Clinton bldg, Columbus, O.
Columbia Quarry Co. (For Road Building, Concrete Construction, Agricultural and Fluxing Purposes), Fullerton bldg, St. Louis, Mo.
Doggett Stanley, 11 Cliff, New York
Dolomite Products Co. (Agricultural), 1110 Euclid av, Cleveland, O.
El Dorado Lime & Minerals Co., 16 California, San Francisco, Cal.
Gager Lime & Mfg. Co., James blvd, Chattanooga, Tenn.
Glencoe Lime & Cement Co. (Limestone Flux), Syndicate Tr. bldg, St. Louis, Mo.
Golden State Portland Cement Co., 112 W 9th, Los Angeles, Cal.
Hannibal Lime Co. (Agricultural), 623 Collier, Hannibal, Mo.
Kelley Island Lime & Transport Co., Leader News bldg, Cleveland, O.
Limestone Products Corp. of Am., 26 Cortlandt, New York
Marble Cliff Quarries Co. (for Agricultural Use), Columbus, O.
Mitchell Lime Co., Mitchell, Ind.
National Mortar & Supply Co., H, Federal Reserve bldg, Pittsburgh, Pa.
New York Pyrites Co., Inc., 25 Broad, New York
Ohio Marble Co., Piqua, O.
Pacific Limestone Products Co., ("Kal Kar Brand), Santa Cruz, Cal.
Rock Cut Stone Co. (For Agricultural Use), Syracuse, N. Y.
Security Cement & Lime Co., Security, Md.
Shenango Limestone Co., Leetonia, Ohio
Shiely J. G. Co., St. Paul, Minn.
Skrainka Construction Co., Security bldg, St. Louis, Mo.
Standard Lime & Stone Co., Equitable bldg, Baltimore, Md.

7460— Limestone (Screened)

Bessemer Limestone Co., Youngstown, O. Columbus, O.
Dixon Wm. (Jewelers), 119 Fulton, New York
El Dorado Lime & Minerals Co., 16 California, San Francisco, Cal.
Kelley Island Lime & Transport Co., Leader News bldg, Cleveland, O.
Marble Cliff Quarries Co., Columbus, O.
Shiely J. L. Co., St. Paul, Minn.
Standard Lime & Stone Co., Equitable bldg, Baltimore, Md.

7461—Liners (Ball & Tube Mills)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book

7461a—Liners (Compeb Mill)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book

7462— Liners (Cylinder)

American Welding Co., Carbondale, Pa.
AM. MANGANESE BRONZE CO., (Centrifugally Cast), 3501 Rhawn, Phila., Pa.

7463— Lines (Measuring)

Cork Insert Co. ("Cork Insert"), 164 Federal, Boston, Mass.
Kane Supply Co. (For Oil & Gas Wells), Kane, Pa.
Smith E. M. Co. ("Emsco"), 612-40 S Clarence, Los Angeles, Cal.

7463a—Liniment (Chloroform)

Eimer & Amend, 205 E 18th, New York

7463b— Liniment (Soap)

Gartside's Iron Rust Soap Co. ("Heshe" Germicidal), 677 N Preston, Philadelphia, Pa.

7463c—Linings (Bag, Waterproof)

Arkell Safety Bag Co., 120 B'way, New York

7463d—Linings (Ball & Tube Mills)

(See also Tube Mill Linings)
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book

7463e—Linings (Barrel, Elastic Paper)

Arkell Safety Bag Co., 120 B'way, New York
National Paper Products Co., 1789H Montgomery, San Francisco, Cal.

Linings (Blast Furnace)

See Brick, Blast Furnaces

7464— Linings (Carpet)

American Tar Products Co. (Plain and Indented), 208 La Salle, Chicago, Ill.
Andrew Bros. Paper Co., Penn Yan, N. Y.
Brown Co. ("Bulls Hide Gray"), Portland, Me.
Carlyle Paper Co., Carlyle, Ill.
Certain-teed Products Corp., (Plain & Corrugated), Boatman's Bank bldg., St. Louis, Mo.
Ford Roofing Products Co., 2339 S La Salle, Chicago, Ill.
Fox Paper Co., Lockland, O.
Gulf Paper Mills Co., Crichton, Ala.
Interstate Corrugated Box Co., 75 Front, Brooklyn, N. Y.
Johns-Manville H. W. Co., Madison av & 41st, New York
Kieffer Paper Mills (Not Inc.), Brownstown, Ind.
Kingston Paper Co., Inc., Little Falls, N. Y.
Mac-Sim-Bar Paper Co. (Corrugated), Otsego, Mich.
Munroe Falls Paper Co., Massillon, O.
Munroe Felt & Paper Co., 79 Summer, Boston, Mass.
New England Carpet Lining Co., New London, Conn.
Newton Paper Co. ("Gold Medal"), Holyoke, Mass.
Ohio Paper Co., Miamisburg, O.
Richardson Paper Co., Wyoming & Cooper avs, Lockland, O.
Rockton Paper Co. (Corrugated), Rockton, Ill.
Schmidt & Ault Paper Co., York, Pa.
Sutton E. W., 53 Sedgwick, Brooklyn, N. Y.

Thompson & Norris Co. ("Norwich Treadspring Scientific), 212 Concord, Brooklyn, N. Y.
Union Carpet Lining Co., 52 Chauncy, Boston, Mass.
Van de Carr Paper Co., Stockport, N. Y.
Watson H. F. Co. (Corrugated, Moth Proof, etc), Erie, Pa.

7465— Linings (Case)

Acme Paper Co. (Suit Case), 321 Greenwich, New York
Angier, Dept. H, Framingham, Mass.
Certain-teed Products Corp. (Waterproof), Boatsman's Bank bldg., St. Louis, Mo.
Goodlatte T. R. & Sons Inc., Delawanna av, Delawanna, N. J.
Insurance Packing Mills (Waterproof, Cloth Lined & All Paper), Brockton, Mass.
Keystone Roofing Mfg. Co. ("Keystone" Waterproof, Duplex, Single Coated & Reinforced Papers), York, Pa.
UNION PAPER & TWINE CO., 128 St. Clair av NW, Cleveland, O, and 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book

7466-7— Linings (Clutch)

Am. Textile Banding Co. Inc. (Ford Transmission), Belfield av & Wister, Philadelphia, Pa.
Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book
Chicago Rawhide Mfg. Co. (The), 1307 Elston av, Chicago
See adv index at end of book
Darcoid Company, 1780 Broadway, New York *See adv index at end of book*
Delaware Hard Fibre Co., Wilmington, Del.
See adv index at end of book
Detroit Leather Specialty Co., Inc. ("Wear Well"),275 Beecher av, Detroit, Mich.
General Asbestos & Rubber Co. Charleston, S. C.
Graton & Knight Mfg. Co. (The), 244 Franklin, Worcester, Mass.
See adv index at end of book
Hide Leather & Belt Mfg. Co. (Leather), 227 S Meridian, Indianapolis, Ind.
Kenworthy Bros. Co. ("Kendex" Friction), Stoughton, Mass.
Mau-Sherwood Supply Co. (Automobile Cone), 1616 W 3d, Cleveland, O.
Milwaukee Leather Belting Co. ("M. L. B,"), 146 W Water, Milwaukee, Wis.
National Leather Mfg. Co. ("National," & "Wolverine"), Niles, Mich.
Powers Mfg. Co. ("Powers" for Fords), Waterloo, Ia.
Rahmann Geo. & Co. (Hydraulic, Leather), 31 Spruce, New York
Raybestos Co., Bridgeport, Conn.
Rose Frank Mfg. Co., ("Rose"), Hastings, Nebr.
Reflex Mfg. Co, ("Reflex" transmission linings for Fords), Fort Wayne, Ind.
Russell Mfg. Co. ("Rusco" for Fords), Middletown, Conn.
Smith E. M. Co., 612-40 S Clarence ("Emsco"), Los Angeles, Cal.
Smith Manning G. Belting Co. ("Smith" for Fords), Church & Lena, Philadelphia, Pa.
THERMOID RUBBER CO., Trenton, N. J.
See adv index at end of book

7468— Linings (Digester)

Stebbins Engineering & Mfg. Co., Watertown, N. Y.

7469— Linings (Flue)

See also Pipe, Sewer

American Clay Products Co., 175 5th av, New York
American Fire Brick Co., N 1102 Monroe, Spokane, Wash
American Sewer Pipe Co., Akron, O.
Bannon P. Pipe Co., Louisville, Ky.
Blackmer & Post Pipe Co. (Fire Clay), Boatman's Bank bldg., St. Louis, Mo.
Buckeye Fireclay Co., Uhrichsville, O.
California Brick Co., 604 Mission, San Francisco, Cal.
California Pottery Co., 579 Mills bldg, San Francisco, Cal.
Campfield Raggle Block Co. (Air Cell Fire Proof, Smoke Stack Liners), Richmond, Ind.
Cannelton Sewer Pipe Co., Cannelton, Ind.
Chattanooga Sewer Pipe Works, W 11th & Cross, Chattanooga, Tenn.
Clark N. & Sons, 116 Natoma, San Francisco, Cal.
Columbus Sewer Pipe Co., Columbus, Ga.
Denny-Renton Clay & Coal Co., Seattle, Wash.
Dickey W. S. Clay Mfg. Co., N. L. Life bldg, St Louis, Mo
Duffy J. P. Co., 207 E 138th, New York
East Ohio Sewer Pipe Co., Irondale, O.
Eastern Clay Goods Co., 141 Milk, Boston, Mass.
Evans Clay Mfg. Co., Uhrichsville, O.
Evens & Howard Fire Brick Co., 920 Market, St. Louis, Mo.
Excelsior Fire Clay Co., Lisbon, O.
Gladding, McBean & Co. (Terra Cotta), Crocker bldg, San Francisco, Cal. Works: Lincoln, Cal.
Hall & Sons, 69 Tonawonda, Buffalo, N. Y.
Iowa Pipe & Tile Co., Des Moines, Ia.
Laclede-Christy Clay Products Co., Railway Ex. bldg, St. Louis, Mo.
Lehigh Sewer Pipe & Tile Co, Fort Dodge, Ia.
Livermore Fire Brick Wks., Niles, Cal.
Macomb Sewer Pipe Co. (Fire Clay), Macomb, Ill.
Macon Sewer Pipe Wks., Macon, Ga.
Miller & Coulson (Dealer), 5748 Ellsworth av, Pittsburgh, Pa.
Mushet W. E. Co. (Jobbers), 502 Mission, San Francisco, Cal.
National Fireproofing Co., 1100 Fulton bldg, Pittsburgh, Pa.
See adv index at end of book
Northwestern Clay Mfg. Co., Aledo, Ill.
Oakland Art Pottery, 2237 E 12th, Oakland, Cal.
Oconee Brick & Tile Co., Milledegeville, Ga.
Ogden Sewer Pipe & Clay Co., Ogden, Utah
Patton Clay Mfg. Co. (Cambria Co.), Patton, Pa.
Pomona Terra Cotta Co., Pomona, N. C.
Red Wing Sewer Pipe Co., Red Wing, Minn.
Reeve Augustus, Camden, N. J.
Robinson Clay Product Co., Akron, O.
Robinson & Sons Sewer Pipe Co., Ulrichsville, O.
Rust Engng. Co., 504 Dist. Nat'l. Bk. bldg., Washington, D. C.
St. Marys Sewer Pipe Co., St. Mary's, Pa.
San Antonia Sewer Pipe Wks., San Antonio, Texas
Shawmut Clay Mfg. Co. ("Shawmut"), Drummond, Pa., & 132 B'way, New York
Southern Sewer Pipe Co., Birmingham, Ala.
Standard Sewer Pipe Works, Rome, Ga.
Stratton Fire Clay Co., Empire, O.
Streator Clay Mfg. Co., Streator, Ill.
Texarkana Pipe Works, Texarkana, Tex.
Tropico Potteries, Inc., Glendale, Cal.
Uhl Pottery Co., Evansville, Ind.
Union Sewer Pipe Co., McKeesport, Pa.
Utah Fire Clay Co., (Clay), Salt Lake City, Utah.
Vigo-Am. Clay Co., Terra Haute, Ind.
Washington Brick, Lime & Sewer Pipe Co. ("Waco"), Spokane, Wash.
Williams N. A. Co., 133 W Washington, Chicago, Ill.
Winslow & Co., Portland, Me.
Western Insulex Co., ("Insulex"), 4065 Hollis, Emeryville, Cal.

7469a— Linings (Furnace)

See also Brick (Blast Furnace)

Buckeye Products Co. Inc., ("Buckeye"), 915-917 W 5th, Cincinnati, Ohio
See adv index at end of book
General Ceramics Co. (Clay), 50 Church, New York
Structural Stone Co., Hubbard, Ohio
Thermo Brick Co., Sulphur Springs, Texas
Vitrefrax Co. Inc., 51st & Pacific blvd., Los Angeles, Cal.

Linings (Ladle)

See Brick, Ladle

7470—Linings (Ladle, Cinder Car)

Marshall Foundry Co., 28th & R. R., Pittsburgh, Pa.

7471— Linings (Pump)

Boulter Williams & Co., 2316 E 52d, Los Angeles, Cal.
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.

7472-3—Linings (Refrigerator)

Baltimore Enamel & Novelty Co., ("Enameled Iron), 4 E Redwood, Baltimore, Md.
Bangor Structural Slate Co. (Slate), Bangor, Pa.
Crysteel Works of Benjamin Electric Mfg. Co., 847 W Jackson blvd., Chicago, Ill.
Enamel Products Co. (Enameled Iron), Eddy rd & Taft av, Cleveland, O.
INGRAM-RICHARDSON MFG. CO., ("Porceliron" Enameled Iron, One Piece & Flat Sheets), Beaver Falls, Pa. *See adv index at end of book*
Mineral Products Co. ("Xyno," Stone), Rhinelander, Wis.
National Refrigerator Co., 827 Koeln av, St. Louis, Mo.
Structural Slate Co. (The), 101 Marietta, Pen Argyl, Pa. (With Natural Slate Blackboard Co., Pen Argyl)
See adv index at end of book
Vitreous Enameling Corporation, 6800 Grant av, Cleveland, Ohio
See adv index at end of book

7474—Linings (Socket, Electric)

Chicago Railway Signal & Supply Co., 122H S Michigan av, Chicago, Ill.
Delaware Hard Fibre Co. (Fibre), Wilmington, Del. *See adv index at end of book*
Draper Bros. Co., Canton, Mass.
New Standard Adding Machine Co., New Forest Pk. blvd and Spring, St. Louis, Mo.

7475— Linings (Tin)

Grimley Frank J., 317 Front, San Francisco, Cal.

7476— Links (Chain Repair)

Baldwin Chain & Mfg. Co. ("Baldwin Connecting"), 199 Chandler, Worcester, Mass.
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Carroll Chain Co., Columbus, O.
See adv index at end of book
Chain Products Co., H, E Cooper av, Cleveland, O.
Columbus McKinnon Chain Co., Columbus.
Kilborn & Bishop Co., 194 Chapel, New Haven, Conn.
Krein Chain Co., Wapakoneta, O.
LAUGHLIN THOS. CO., ("Missing Link" Drop Forged Double Interlocking Lug, Wire), 135 Fore, Portland, Me.
See adv index at end of book
Link-Belt Company, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Marine Hardware Equipment Co. ("Acone" Drop Forged and "Mheco" Double Lock Forge), S Portland, Me.
Nixdorf Krein Mfg. Co., 900 Howard, St. Louis, Mo.
Tichener-Diehl Co., 1844-48 W Austin av, Chicago, Ill.

7477— Links (Connecting)

Auer John, Jr. (Wrought Iron Open), 197 Middleton, Brooklyn, N. Y.
Brewer Bros. Co. (Wrought Iron), 2743 N 2nd, Philadelphia, Pa.
Carroll Chain Co., Columbus, O.
See adv index at end of book
JEFFREY MFG. CO., 961 N Fourth, Columbus, O.
See adv index at end of book
Keystone Drop Forge Works ("Keystone" Drop Forged), Dept. H, Chester Pa.
Kilborn & Bishop Co. ("K. B.") 194 Chapel, New Haven, Conn.
Laughlin Thos. Co. ("Missing Link," "Eagle" Chain Repair Links), 135 Fore, Portland, Me.
See adv index at end of book
Link-Belt Company, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Marine Hardware-Equipment Co. ("Acme" Drop Forged), South Portland, Me.
Newhall Chain, Forge & Iron Co. (Also Repair), 89 West, New York
Pittsburgh Knife & Forge Co., Inc., Ridge & Chateau, Pittsburgh, Pa.
Tichener-Diehl Co., 1844-48 W Austin av, Chicago, Ill.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Wilcox, Crittenden & Co., Inc ("Lasting" Drop Forged), 444 S Main, Middletown, Conn.
See adv index at end of book

7478— Links (Drag)

Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Cincinnati Ball Crank Co. ("Balcrank"), N Oakley, Cincinnati, O.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Michigan Electric Welding Co., 514 Hart, Detroit, Mich.
Steel Products Co., 2196 Clarkwood av, Cleveland, O.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

7479—Links For Conveyor Chains

Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Henry & Allen (Malleable & Steel), Auburn, N. Y.
Howe Chain Co., Dept. H, Muskegon, Mich.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
SCRANTON FORGING CO., 200 Green Ridge av, Scranton, Pa.
See adv index at end of book
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.

7480—Links (Fusible Fire Door, Etc.)

Appleton Electric Co., Wellington & Paulina, Chicago, Ill.
Aurora Door Hanger & Spec. Co., Aurora, Ill.

(Continued on following page)

Links (Fusible Fire Door, etc.)—Continued

Bussmann Mfg. Co., 3819H N 23d, St. Louis, Mo.
Chicago Fuse Mfg. Co. ("Union"), Lafiin & 15th, Chicago, Ill.
See adv index at end of book
Condit Electrical Mfg. Co. ("Shawmut"), 1st & L, Boston, Mass.
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Metropolitan Device Corp, 1250 Atlantic av, Brooklyn, N. Y.
Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book
Smith F. F. Hardware Co. (For Fireproof Windows, etc.), Newark, N. J.
ark, N. J.
Underwriters Hatch Door Co., 1741 Walnut, Chicago, Ill.
Victor Mfg. Co. ("Victor"), Newburyport, Mass.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book
Yates John W., Inc., 49½ 8th av, New York

7481— Links (Grab, Etc.)

Carroll Chain Co., Columbus, O.
See adv index at end of book
Weimer Chain & Iron Co., Lebanon, Pa.

7482— Links (Lap)

Carroll Chain Co., Columbus, O.
See adv index at end of book
Columbus Handle & Tool Co., Columbus, Ind.
Krein Chain Co., Wapakoneta, O.
Laughlin Thos. Co., 135 Fore, Portland, Me.
See adv index at end of book

7482a—Links (Renewable Fuses)

ECONOMY FUSE & MFG. CO., ("Drop-Out"), Greenview av at Diversey Pkwy., Chicago, Ill.
See adv index at end of book

7483— Links (Split)

Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Parker Wire Goods Co. (Brass Wire), Worcester, Mass.
Plume & Atwood Mfg. Co. (Also Safety & Plumbers' Links), Waterbury, Conn.
Turner & Seymour Mfg. Co., Torrington, Conn.

7484—Links & Pins (Coupling)

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Boston Forge Co., East Boston, Mass.
Champion Rivet Co., Harvard & E 108th, Cleveland, O.
JEFFREY MFG. CO., 961 N 4th, Columbus, O.
See adv index at end of book
Kansas City Bolt & Nut Co., Kansas City, Mo.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pittsburgh Forge & Iron Co., Chamber of Commerce bldg, Pittsburgh, Pa.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
St. Louis Screw Co. (Pins), Clarence & Bulwer avs, St. Louis, Mo.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Western Steel Car & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.
Wilcox D. Mfg. Co., Mechanicsburg, Pa.

7485— Linoleates

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg., Cleveland, O.
See adv index at end of book

7486— Linoleum Mfrs.

See also Oil Cloth Mfrs.

American Linoleum Mfg. Co., 230 5th av, New York
Armstrong Cork & Insulation Co. ("Armstrong" Linoleum Dept.), 24th & A V R R, Pittsburgh, Pa.
Barth L. & Son (Dirs.), H, Cooper Sq., New York
Blabon Geo. W. Co. ("Invincible" Battleship & "Midvale" Inlaid, Printed, Plain, Carpet Inlaid & Rugs), 21st & Hunting pike, Phila, Pa.
Certain-teed Products Co. ("Certain-teed" Plain, Inlaid & Printed), Boatman's Bank bldg., St. Louis, Mo.
Congoleum Co. ("Gold Seal"), Morris bldg. Phila., Pa.
Germania Importing Co. ("Anchor," Inlaid, Imported), 41 Union sq, New York
Nairn Linoleum Co., Kearny, N. J.
Rezilite Mfg. Co. ("Rezilite" Liquid), Peoples Gas bldg, Chicago, Ill.
Ringwalt Linoleum Works ("Rubberoleum"), New Brunswick, N. J.
Weber C. H. ("Hansa" German Imported), 1115 B'way, New York
Welch Bedding Co., cor 5th & Ochoa, El Paso, Texas
Wild Joseph & Co. ("Battleship"), 230 5th av, New York
Witcombe McGeachin & Co. ("Staines" Inlaid Imported), 22 W 37th, New York

7487—Linseed Oil Substitutes

Boley C. H. Co. ("Lin-O-Lin"), 3722 N Randolph, Phila., Pa.
Crescent Oil & Supply Co., 303 N Level, St. Louis, Mo.
Sero Specialty Co., 2860 E 34th, Cleveland, O.

7488—Linseed Oil & Cake Mills

CALIFORNIA.

SAN FRANCISCO—California Nut Products Co., 624 California
El Dorado Oil Works, 210 California
Pacific Oil & Lead Works, 155 Townsend

GEORGIA.

SAVANNAH—Neal Blum Co. (Dirs Linseed Oil), 20 W Bay

ILLINOIS.

CHICAGO—Adams Fred C. Co. (Linseed Oil), 130 N Wells
American Linseed Co., 2209 Lmbr
American Wood Preserving Co. (Economic Linseed Oil) ("Peal-Lin"), 3743 N Marshfield av
Chicago White Lead & Oil Co., 1454 S Western av
Hirst & Begley Linseed Co., 2013 Mendel
Star Oil Co., 348 N Irving av

INDIANA.

INDIANAPOLIS—Evans Linseed Oil Co. W Michigan & Belt

IOWA.

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BOSTON—American Linseed Co., 263 5th
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MICHIGAN.

DETROIT—American Linseed Co.
National Lead Co., 10th & Howard

MINNESOTA.

MINNEAPOLIS—American Linseed Co., 794 Hampden; Main Office, New York City
Archer-Daniels Linseed Co., 2901 S E 6th
Midland Linseed Products Co., 1254 Chambers of Commerce
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RED WING—Pittsburgh Plate Glass Co. Red Wing Linseed Div.
ST. PAUL—American Linseed Co., 794 Hampden av.

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KANSAS CITY—American Linseed Co., 3147 Roanoke rd
Main Office, N. Y. City
National Lead Co., 1406 W 13th
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OHIO.

CINCINNATI—BUCKEYE PRODUCTS CO., INC. ("Anchortite," "Buckeye," "Hercules" & "Okay" Core Oils), 915-917 W 5th
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National Lead Co., 659 Freeman av.
CLEVELAND—Harshaw, Fuller & Goodwin Co., 545 Hanna bldg
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Malone Oil Co., 2197 E 18th
National Lead Co., 820 Superior

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Sprout, Waldron & Co.
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TEXAS.

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7488a— Linters (Cotton Seed)

Am. Cotton Oil Co., 239 W 30th, New York
Boston Excelsior Co., 562 W 29th, New York
Brenham Compress Oil & Mfg. Co., Brenham, Texas
California Cotton Oil Co., 2301 E 52nd, Los Angels, Cal.
Smith A. A. Cotton Products Co., Atlanta, Ga.
Texas Cake & Linter Co., Dallas, Texas

7489—Lips (Dredge & Clam Shell Bucket)

American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept. H, 14th & State, Chicago Heights, Ill.
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
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Taylor-Wharton Iron & Steel Co. (Manganese Steel), High Bridge, N. J.

7490—Liquid Putty For Greenhouses

Weatherproof Calking Co., No. Minneapolis, Minn.

7490a— Liquidators

INDUSTRIAL PLANTS CORP., 25 Church, New York
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7491— Liquids (Asphaltum)

Am. Wood Preserving Co., 3743 N Marshfield av, Chicago, Ill.
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Parker C. H. Co., Valparaiso, Ind.
Texas Company, The, Dept. D, 17 Battery pl, New York
See adv index at end of book

7492— Liquids (Red)

Eastwood Chemical Co. (For Dying Cotton & Print Goods), Belleville, N. J.

7493—Listers & Corn & Cotton Planters (Riding)

Avery B. F. & Sons ("Mr. Bill"), Louisville, Ky.
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Deere & Co. ("Deere"), Moline, Ill.
Emerson-Brantingham Co. ("E-B" Single & Double Row), Rockford, Ill.
Gale Mfg. Co. ("Sure Drop"), Albion, Mich.
Ohio Cultivator Co. ("Ohio Flyer"), Bellevue, Ohio
Oliver Chilled Plow Works ("Oliver"), South Bend, Ind.
Racine-Sattley Co. ("Lucky Hit," "Tonapah"), Springfield, Ill.

7494—Listers & Drills (Riding)

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Deere John Plow Works, Moline, Ill.
Deere & Co. ("John Deere"), Moline, Ill.
Emerson-Brantingham Co. ("E-B"), Rockford, Ill.
Gale Mfg. Co. ("Great West," "Sure Drop"), Albion, Mich.
Grand Detour Plow Co. ("Grand Detour"), Dixon, Ill.
International Harvester Co., ("McCormick-Deering" & "P O"), Harvester bldg, Chicago, Ill.
Janesville Machine Co. ("Janesville"), Janesville, Wis.
La Crosse Plow Co. ("La Crosse"), La Crosse, Wis.

Moline Plow Co. ("Easy Money," "Tri Belle," "Western Belle"), Moline, Ill.
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Peru Plow & Wheel Co. ("Boss," "Little Duke," "Model," "New Duke"), Peru, Ill.
Racine-Sattley Co. ("Little Buster," "Lucky Hit," "Sattley"), Springfield, Ill.
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Swanson Plow Co., Muskogee, Okla.

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Reschke Machine Works Co., Wichita, Kas.
Thompson Plow & Engine Works, Beloit, Wis.

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Emerson-Brantingham Co. ("E-B"), Rockford, Ill.
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Moline Plow Co. ("Puritan"), Moline, Ill.
Ohio Cultivator Co. ("Famous Ohio," "Ohio Junior"), Bellevue, O.
Oliver Chilled Plow Works ("Oliver" & "Black Hawk"), South Bend, Ind.
Parlin & Orendorff Co. ("P. & O."), Canton, Ill.
Peru Plow & Wheel Co. ("Peru"), Peru, Ill.
Racine-Sattley Co. ("Sattley"), Springfield, Ill.
Rock Island Plow Co. ("Empress"), Rock Island, Ill.
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7497— Litharge

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Doggett Stanley (Jobbers), 11 Cliff, New York
Eagle Picher Lead Co. ("Picher"), 208H S La Salle, Chicago, Ill.
Fuller W. P. & Co., 301 Mission, San Francisco, Cal.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg., Cleveland, O.
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Lead Products Co., 3215 Papin, St. Louis, Mo.
Lewis John T. & Bros. Co., Lafayette bldg, Phila., Pa.
6th av, New York
McNulty Joseph A., 114 Liberty st, New York
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Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
National Lead Co., 111 B'way, New York
National Lead & Oil Co (of Pa.), (For Glassmakers & Rubber Mfrs.), Commonwealth bldg, Pittsburgh, Pa.
National Sales & Trading Co., Cleveland, Ohio
Reichard-Coulston Co. (Red Imp.), 95 Madison av, New York
Riddle Chemical Co., 35 S Dearborn, Chicago, Ill.
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United Lead Co., 111 Broadway, New York
Vitro Manfg. Co., H, Bessemer bldg., Pittsburgh, Pa.
Wetherill & Bro., 126 S 30th, Phila., Pa.
Whittaker, Clark & Daniels, Inc. (Jobbers), 250 Front, New York
Wiarda John C. & Co., 38 Provost, Brooklyn, N. Y. *See adv index at end of book*

7497a— Lithium Benzoate

Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
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Roessler & Hasslacher Chemical Co., 709 6th av, New York
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7497b— Lithium (Bromide)

Cooper Chas. & Co., 194 Worth, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
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Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.

7497c— Lithium (Carbonate)

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Roessler & Hasslacher Chemical Co., 709 6th av, New York
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7497d—Lithium (Chloride)

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7497e— Lithium (Iodide)

Cooper Chas. & Co., 194 Worth, New York
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ALUMINUM COMPANY OF AMERICA (Aluminum), 2301 Oliver bldg, Pittsburgh, Pa.
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Leonhardt Theo. & Son, 924 Locust, Phila., Pa.
Strobridge Lithographing Co., 108 W Canal, Cincinnati, Ohio

7498— Lithopone

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Bauer Philip Co., 53 Park pl, New York
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Chemical Pigments Corp. (Zinc Cloth), Stock Exch. bldg, Phila., Pa.
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Eagle Picher Lead Co., ("Sterling" White), 208 S La Salle, Chicago, Ill.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg., Cleveland, O.
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Heller & Merz Co. ("Ponolith"), 503 Hudson, New York
Innis, Speiden & Co., Inc. (Imp.), 46 Cliff, New York
Klipstein A. & Co. (Imported), 644 Greenwich, New York
KREBS PIGMENT & CHEMICAL CO., ("Ponolith"), Newport, Del.
Midland Chemical Co. ("Sterling"), 208 S La Salle, Chicago, Ill.
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7501-2— Loaders (Box Car)

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Motch & Merry Weather Machinery Co., 707-715 Lakeside av, Cleveland, Ohio
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See Loaders, Sugar Cane

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Link-Belt Company, 300 W. Pershing rd, Chicago, Ill. *See adv index at end of book*

7505— Loaders (Grain Car)

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Clark W. J. Co., Salem, O.
Hart Grain Weigher Co. ("Hart Belt & Bucket," "Simplex," "Hart Junior" & "Peoria"), Peoria, Ill.
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Maroa Mfg. Co. ("Boss"), Maroa, Ill.

7506— Loaders (Hay)

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International Harvester Co. ("McCormick-Deering"), Harvester bldg, Chicago, Ill.
Kouns Wesley, Salina, Kansas
Massey-Harris Harvester Co., Batavia, N. Y.
Miller N. C. & Son, Dodgeville, Wis.
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Ohio Rake Co. ("Ohio," "Dayton"), Dayton, O.
Rock Island Plow Co. (Cylinder Rake Bar), Rock Island, Ill.
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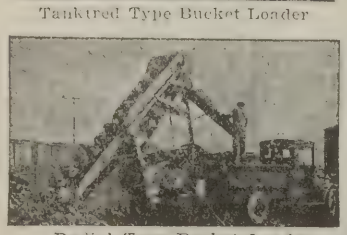
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Pittsburgh Conveying Machinery Co., 4th & Duquesne wy, Pittsburgh, Pa.
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Brown Hoisting Machy. Co. (The), 4403 St. Clair, N E, Cleveland, Ohio
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BYERS MACHINE CO., THE, 242 Sycamore, Ravenna, O.
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CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
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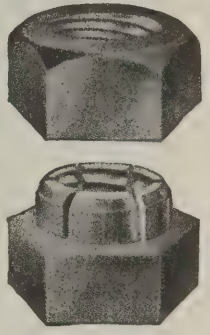
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See adv index at end of book

Lock-Nuts (Conduit, Etc.)

See Bushings, Outlet & Locknut

7515—Lock-Nuts & Washers

AMERICAN BOLT CORP., Whitehall bldg, New York *See adv index at end of book*

American Nut & Bolt Fastener Co., 3 Ontario, Pittsburgh, Pa.

American Pin Co. ("Ampinco"), Waterbury, Conn.

Appleton Electric Co. ("Appleton," Lock-Nuts for Conduits, etc), Wellington & Paulina, Chicago, Ill.

Arghis E. J. & Co. ("Evans" Safety Lock Nuts), 432 4th av, New York

Bethlehem Steel Co., Bethlehem, Pa.

Bourne Fuller Co., Hanna bldg, Cleveland, O.

Chicago Ferrule & Nut Co. (Lock-Nuts), 880 Lile av, Chicago, Ill.

Columbia Nut & Bolt Co. ("Columbia," for Railroads, Machinery, Automobiles, etc.), 1500 Railroad av, Bridgeport, Conn.

DRAKE LOCK NUT CO. ("Drake," "Never Jar Loose"), 2442 E 75th, Cleveland, O.
See adv index at end of book

Eagle Brass Foundry Co., 21 Spokane, Seattle, Wash.

Flannery Bolt Co. ("F. B. C." & "Realock" Lock Nuts), Vanadium bldg, Pittsburgh, Pa.

Gleason James & Co. (Locksmiths Only), 515 W Jackson blvd, Chicago, Ill.

Grabler Mfg. Co. (Malleable Iron & Steel, for Plumbing & Electric Work), Cleveland, O.

Grip Nut Co. (One-Piece Steel Lock-Nut), McCormick bldg, Chicago, Ill.

Hamlin & Emery Brass Co., 49 Island, Boston, Mass.

Haskell Wm. H. Mfg. Co., Pawtucket, R. I.

Hobbs Mfg. Co. (Lock Washers), 26 Salisbury, Worcester, Mass.

Hubbard & Co., 63d & Butler, Pittsburgh, Pa.

INTERNATIONAL NICKEL COMPANY THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book

Iron City Tool Wks., 3201 Smallman, Pittsburgh, Pa.

Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book

LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book

Lovejoy Tool Works ("Leolok"), 319 W. Ohio, Chicago, Ill.
See adv index at end of book

Malleable Iron Fittings Co. ("M. I. F. Co." Lock-Nuts), Branford, Conn.

Mansfield Lock Washer Co., Mansfield, O.

Master Products Co., 6410 Park av, Cleveland, Ohio

National Lock Washer Co., 40 Herman, Newark, N. J.

National Steel Products Co. ("Allen" Nut Lock), Marquette bldg, Cleveland, O.

National Umbrella Frame Co. ("Never Slip" Washers, All Sizes), Dept. H, 30th & Thompson, Phila., Pa.

Neely Nut & Bolt Co. (Spring Nut & Bolt Locks), 26 S 22nd, Pittsburgh, Pa.

Newbury J. H., Goshen, N. Y.

O. K. Nut Lock Co., Turks Head bldg, Providence, R. I.

Pacific Foundry Co., Harrison & 18th, San Francisco, Cal.

Palnut Corp. ("Palnut" Compression Nut Lock), Passaic, N. J.

Peninsular Milled Screw Co., 4646 Lawton, Detroit, Mich.

Philadelphia Electrical & Mfg. Co. ("Pemco," Malleable Iron Washers with Nut-Locking Feature Added), 1236 N 31st, Phila., Pa.

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Positive Lock Washer Co. of America (Inc.), Av A, Newark, N. J.

Quadriga Mfg. Co. (Lock Washers), 213 W. Grand av, Chicago, Ill.
See adv index at end of book

Rattan Mfg. Co. ("R. M. C."), 552H State, New Haven, Conn.

Reliance Mfg. Co. (Lock Washers), Massillon, O.

St. Louis Malleable Casting Co. (Malleable Iron), 7700 N Broadway, St. Louis, Mo.

Schum Bros., Metropolitan Tower, New York

Scott John M. & Sons, Racine, Wis.

Sholes, Inc., 186 Lafayette, New York

Simmons John Co., 110 Centre, New York
See adv index at end of book

Smith & Hemenway Co., Inc. ("Red Devil"), 261 Broadway, New York, & 130H Cort, Irvington, N. J.
See adv index at end of book

Steel City Electric Co. ("Fullman" Lock-Nut for Rigid Conduit), 1207 Columbus av, Pittsburgh, Pa.

Steel Sales Corp., 129 S Jefferson, Chicago

Steel Specialties Co. ("Hold Tite" Nut Lock), Dept. H, Wakefield, Mass.

Tull Rubber & Supply Co., J. M., 150 Marietta, Atlanta, Ga.

Verona Tool Works (Verona Lock Nuts), Plum, Pittsburgh, Pa.

Waynesboro Nut Lock Co., Inc. ("Bull Dog"), Waynesboro, Pa.

Western Tool & Forge Co., Brackenridge, Pa.

Whitehead Metal Products Co., 67 Washington N, Boston, Mass.

Whitehead Metal Products Co. of New York, Inc., 261 Canal, New York

Williams & Co., Inc., 901 Pennsylvania av, Pittsburgh, Pa.

7516—Lock-Stub Check System

Lock-Stub Check Co., 253 36th, Brooklyn, N. Y.

7517— Lockers (Box)

DURABILT STEEL LOCKER CO. (Durabilt Box Lockers conform, with a few exceptions, to the specifications of our standard lockers. All Durabilt Box Lockers are furnished with neatly formed stamped steel (not cast), straight-pull, curl handle, combined with padlock attachment instead of locking device used on standard lockers. When the doors are closed, spring clips keep them shut. Combinations of lockers and box lockers can be furnished when required. Send for complete details and specifications), 560 Arnold av, Aurora, Ill.
See adv index at end of book

7517a—Lockers (Compartment)

DURABILT STEEL LOCKER CO., Aurora, Ill.
See adv index at end of book

7518— Lockers (Metallic)

Albatross Metal Furn. Co. ("Albatross"), 715 Thurman, Portland, Ore.

ALL-STEEL-EQUIP. CO., Aurora, Ill.
See adv index at end of book

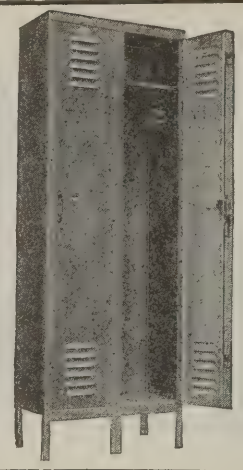
Aurora Steel Products Co., 3d, Aurora, Ill.

Baker-Vawter Co., Benton Harbor, Mich.

Berger Mfg. Co., 1038 Belden av, N E, Canton, O.

Bernstein Mfg. Co., 3rd & Allegheny, Phila., Pa.

(Continued on following page)



STEEL CLOTHES LOCKERS

All-Steel-Equip Specifications

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2. Door braced both vertically and horizontally to eliminate rattling and wobbling.
3. Heavy concealed butt hinges prevent sagging and permit full opening of door, thus leaving aisles free.
4. Lift latch—simple, strong, semi-automatic.
5. Easily readable black numbers on neat brass number plates.
6. Latching device catches at top center and bottom (at three points), directly opposite each hinge. (Two point latching in double tier.)
7. Adapted for use with padlock or flat key cabinet lock, or both if desired.
8. Three 2-prong coat hooks, rust-proof.
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Central Metal Products Corp., Canton, O.
Cleveland Wire Spring Co., 1281 E 28th, Cleveland, O.
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Dexter Metal Mfg. Co., ("Merritt" Sheet Steel for Dept Store, etc), 93 Arch, **Camden, N. J.**
DURABILT STEEL LOCKER CO., Aurora, Ill.
See adv index at end of book
Durand-Steel Locker Co. **("Durand"** Steel), **1435 Ft. Dearborn Bank bldg,** Chicago, Ill.
Federal Steel Fixture Co. **("Federal"** Steel), Wrigley bldg, Chicago, Ill.
Gem Stamped Steel Co., Chelsea, Mass.
Hart & Hutchinson Co. ("H. & H." Steel), New Britain, Conn.
Hauserman, E. F. Co., Cleveland, O.
Heller P. A. & Sons, 213 State, Detroit, Mich.
Hess Warming & Ventilating Co. ("Hess" Steel), 1211 S Western, Chicago, Ill.
Jefferis Richard W. Co. **("Jefferis"** Pressed Steel), Camden, N. J.
Keighley S. Metal Ceiling & Mfg. Co., 124 3d av, Pittsburgh, Pa.
Lasar Mfg. Co. (Wire), 1313 N 16th, St. Louis, Mo.
Lyon Metallic Mfg. Co. **("Lyon" Steel),** Aurora, Ill.
Manufacturing Equipment & Engineering Co. ("Mecco"), Framingham, Mass.
Medart Fred Mfg. Co., St. Louis, Mo.
Mills Co. (The), ("Factrequipment"), 5322 St. Clair av, Cleveland, Ohio
See adv index at end of book
Narragansett Machine Co. ("Standard"), Providence, R. I.
PENN METAL CO. ("Penco"), 65A Franklin, Boston, Mass.
Shults H. H. Co., Gowanda, N. Y.
SMITH F. P. WIRE & IRON WORKS, Lake & Dearborn, Chicago, Ill.
See adv index at end of book
Standard Sheet Metal Mfg. Co., Washington, Pa.
Steel Fixture Mfg. Co., Topeka, Kan.
Terrell's Equipment Co. ("Terrell's"), Grand Rapids, Mich.
VAN DORN IRON WORKS CO. (THE) ("Steel" & "Van Dorn"), 2700 E. 79th, Cleveland, Ohio
See adv index at end of book
Willcox Engineering Co., 1525 Holland, Saginaw, Mich.
Wilson Andrew Co., 616 Essex, Lawrence, Mass.

Lockers, Yarn and Doffing Boxes, Mill Cars, Waste Cans, Barrels, Shelving.

ANDREW WILSON CO.
616 Essex St. Lawrence, Mass.

7519—Lockers (Sheet Steel)

Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Durand Steel Locker Co., 76 W. Monroe, Chicago, Ill.
Medart Fred Mfg. Co., St. Louis, Mo.
Mills Co. (The), ("Factrequipment"), 5322 St. Clair av, Cleveland, Ohio
See adv index at end of book
Van Dorn Iron Works Co. (The), 2700 E. 79th, Cleveland, Ohio
See adv index at end of book

7520— Lockers (Steel)

Albatross Metal Furniture Co. ("Albatross"), 715 Thurman, Portland, Ore.
ALL-STEEL-EQUIP. CO., Griffith, Aurora, Ill.
See adv index at end of book
Art Metal Construction Co. (Key, Transom, Stationary, Instrument, Confidential & Information), **Jamestown,** New York
Aurora Steel Products Co. **("Security"),** 3d, Aurora, Ill.
Badger Wire & Iron Works, 25th av & Cleveland, Milwaukee, Wis.
Barshal Steel Equipment Co., 2031 Euclid av, Cleveland, O.
Central Metal Products Corp., Canton, O.
DARBY EDW. J. & SON ("Darbysteel" Unit System Lockers made of Expanded Open Mesh or Sheet Steel. Standardized parts and construction backed up by over seventy years manufacturing experience—write for catalog 62-A), 319 Vine, Philadelphia, Pa.
See adv index at end of book
Darby Edward Sons Co., 1918 Germantown av, Phila., Pa.
Dunham Thomas Co., Dept. H, Aurora, Ill.
DURABILT STEEL LOCKER CO. (Durabilt Steel Lockers provide Durability, Simple and Convenient Operation, Maximum Security, High Class Finish, and Ample Ventilation. They are designed for hard service, are built of the finest materials, and are finished with care. Send for Folder No. 5008), 560 Arnold av, Aurora, Ill.
See adv index at end of book
Durand Steel Locks Co. ("Durand"), 76 W. Monroe, Chicago, Ill.
Hart & Hutchinson Co. ("H. & H."), New Britain, Conn.
Hauserman E. F. Co., Fenestra bldg, Cleveland, O.
Heller P. A. & Sons, 213 State, Detroit, Mich.
Jefferis Richard W. Co. ("Jefferis" Pressed), Camden, N. J.
Koven L. O. & Co., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
LUPTON'S DAVID SONS CO., Allegheny av & Tulip, Phila., Pa.
See adv at Shelving Steel
Makutchan Roller Bearing Co. (Clothes), 35 W Lake, Chicago, Ill.
Medart Fred Mfg. Co. ("Medart"), St. Louis, Mo.
Mills Co. (The) ("Factrequipment"), 5322 St. Clair av, Cleveland, Ohio
See adv index at end of book
Ohio Sheet Metal Co., Canton, O.
Orleans Steel Products Co., Inc., 1021 Bienville, **New Orleans, La.**
PENN METAL CO. ("Penco"), 65A Franklin, Boston, Mass.
Pratt Wm. E. Mfg. Co. (Clothes), 15 W Lake, Chicago, Ill.
Van Dorn Iron Works Co. (The), 2700 E. 79th, Cleveland, Ohio
See adv index at end of book
Wilson J. G. Corp., 11 E 36th, New York

7520a—Lockers (Wardrobe)

DURABILT STEEL LOCKER CO., Aurora, Ill.
See adv index at end of book

7521— Locks (Air)

American Bridge Co. (Caissons), 30 Church, New York
Coatesville Boiler Works, 111 S 15th, Philadelphia, Pa.
East Jersey Pipe Co., Paterson, N. J.
Lancaster Iron Works, Lancaster, Pa.
Union Iron Works, Hoboken, N. J.

7522— Locks (Air Brake)

St. Louis Car Co., 8000 N B'way, St. Louis, Mo.

7523— Locks (Automobile)

Allith-Prouty Co., Danville, Ill.
Bauer Mfg. Co. (Steering Wheel), 117 E 30th, Chicago, Ill.
Best Frank E., Inc. ("Best Universal"), 1121 Post, Seattle, Wash.
Blackburn Specialty Co., 3409 Perkins av, Cleveland, O.
Chicago Cabinet Lock Co. ("Chi-Locks"), 154 Whiting, Chicago, Ill.

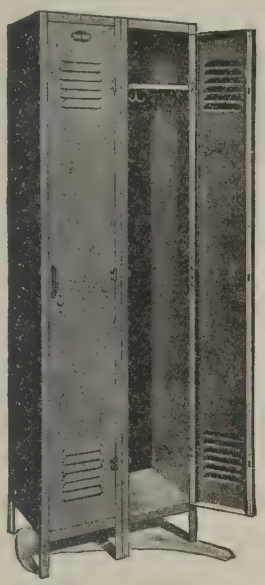
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Connecticut Lock Co. Inc. ("Nopik" Door), Fairfield, Conn.
E. V. B. Mfg. Co., New Haven, Conn.
Eastern Tube & Tool Co., Inc., 594 Johnson av, Brooklyn, N. Y.
See adv index at end of book
English & Mersick Co. (Rotary Lever), Winchester av, New Haven, Conn.
F. A. B. Mfg. Co. ("Morris"), 1856 7th, Oakland, Cal.
Ferro Stamping & Mfg Co ("Ferro"), 1379 Franklin, Detroit, Mich
Fox A. H. Gun Co. ("Fox" Steering Wheel),), 4700 N 18th, Phila., Pa.
Fraim E. T. Lock Co. ("Fraim," "Auto"), 237 Park av, Lancaster, Pa.
Greene McKean & Swasey (Motometer), 24 California, San Francisco, Cal.
Hercules Mfg. & Sales Co. Inc. ("Hercules"), First Nat'l Bank bldg, San Francisco, Cal.
Junkune Bros. (Ford Adjustable Steering Wheel), 1145 W. Garfield blvd, Chicago, Il.
Long Distance Spark Plug Co. ("Stop Thief" for Fords), Birmingham, Ala.
McAdams J. C. Sales Co. ("Schlaich" for Motor Meters), 145 W 63d, New York
Noser Sales Co., Inc. ("Noser" Transmission), 3560 Chouteau, St. Louis, Mo.
Oakes Co. ("Oakes" Spare Wheel & Tire), Roosevelt & Wheeler, Indianapolis, Ind.
Princess Wash Machine Co., 433 E Pearl, Cincinnati, O.
Realock Co., 415 N 19th, St. Louis, Mo.
Shanklin Mfg. Co., Springfield, Ill.
Simplex Corp. ("Simplex" Steering Wheel), 2214 S Michigan av, Chicago, Ill.
Smith Joseph N. Co. (Door), 2461 Grand blvd, Detroit, Mich.
Taylor B. E. Mfg. Co. (Door), Monadnock bldg, Chicago, Ill.
Yale & Towne Co. ("Yale"), Dept. H, Stamford, Conn.

7524—Locks (Automobile Chain)

Fraim-Slaymaker Hardware Co., H, First, Lancaster, Pa.
Sargent & Greenleaf, Inc., Rochester, New York

7525—Locks (Automobile Tire)

Allen Auto Spec. Co., 16 W 61st, New York
Allith-Prouty Co. ("Allith" Self-Locking), Danville, Ill.
Best Frank E., Inc. ("Best Universal"), 1121 Post, Seattle, Wash.
Corbin P. & F. ("Corbin" Carrier), New Britain, Conn.
Fraim-Slaymaker Hardware Co., H, First, Lancaster, Pa.
Graynie Corp. ("Graynie"), 323 W Jackson blvd, Chicago, Ill.
Highton Wm. & Sons Co., Nashua, N. H.
M. & H. Novelty Co. ("Hughes"), 1468 W 28th, Los Angeles, Cal.
Oakes Co. ("Oakes"), Roosevelt & Wheeler, Indianapolis, Ind.
Pacific Coast Mfg. Co. ("Diskloc"), 1326 E 6th, Los Angeles, Cal.
Princess Wash Machine Co., 433 E Parl, Cincinnati, O.
Sargent & Greenleaf Inc. ("Safe Guard"), Rochester, N. Y.
Security Mfg. Co., 1047 W. 16th, Los Angeles, Cal.
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

7526—Locks (Automobile Tool Chest)

Best Frank E., Inc. ("Best Universal"), 1121 Post, Seattle, Wash.
Corbin P. & F. ("Corbin"), New Britain, Conn.
Dent Hardware Co., Fullerton, Pa.
Fraim-Slaymaker Hardware Co., H, First, Lancaster, Pa.
Johnson & Walters Mfg. Co., 101 Baltimore av, Detroit, Mich.
Sargent & Greenleaf, Inc., Rochester, N. Y.

Locks (Bank)

See Locks, Safety Deposit and Time

Locks (Barn Door)

See Locks & Latches, Sliding Door

7527— Locks (Beer Case)

Atlas Metal Parts Co., 998 15th, Milwaukee, Wis.
Beehler Steel Products Co., 1449 N 13th, St. Louis, Mo.
See adv index at end of book
Sargent & Greenleaf, Inc., Rochester, New York
20th Century Machinery Co., 425 E Water, Milwaukee, Wis.

7528— Locks (Bicycle)

Corbin Cabinet Lock Co., New Britain, Conn.
Fraim E. T. Lock Co. ("Cycle"), 237 Park av, Lancaster, Pa.
Sargent & Greenleaf, Inc., Rochester, New York
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

7529— Locks (Billiard Cue)

Dent Hardware Co., Fullerton, Pa.
Eagle Lock Co., Terryville, Conn.

7530— Locks (Book)

Eagle Lock Co., Terryville, Conn.

7531-2— Locks (Box)

Acme Steel Goods Co., 2834 Archer av, Chicago, Ill.
Atlas Metal Parts Co., 998 15th, Milwaukee, Wis.
Beehler Steel Products Co., 1449 N 13th, St. Louis, Mo.
See adv index at end of book
Best Frank E., Inc. ("Best Universal"), 1121 Post, Seattle, Wash.
Brainerd Mfg. Co., East Rochester, N. Y.
Eagle Lock Co., Terryville, Conn.
Fraim-Slaymaker Hardware Co., H, First, Lancaster, Pa.
Ludwig A. & Co., 75 Spring, New York
Williams F. B. Co., 507 E 39th, Chicago, Ill.
Yale & Towne Co. ("Yale" Metal Box), Dept. H, Stamford, Conn.

7533— Locks (Broom)

Chicago Ferrule & Nut Co., 880 Lill av, Chicago, Ill.
Walrath Alphonso Co. (Lithographed etc), Fort Plain, N. Y.

7534— Locks (Buckle)

Eagle Lock Co., Terryville, Conn.

7535— Locks (Cabinet)

Best Frank E., Inc. ("Best Universal"), 1121 Post, Seattle, Wash.
Bolles Wm. B., P. O. Box 600M, Milwaukee, Wis.
Chantrell Hdwe. & Tool Co. ("Chantrell," also Cylinder Door), Reading, Pa.
Corbin Cabinet Lock Co., New Britain, Conn.

(Continued on following page)

Locks (Cabinet)—Continued

Corbin P. & F. ("Corbin"), Dept. H, New Britain, Conn.
Deitz Alonzo E. (Cast & Wrought Brass, also Self-Locking), 73 Clymer, Brooklyn, N. Y.
Eagle Lock Co., Terryville, Conn.
Excelsior Hardware Co., Stamford, Conn.
Fraim E. T. Lock Co., 237 Parker, Lancaster, Pa.
Huber Mfg. Co., 417 E 93d, New York
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Miller J. B. Keyless Lock Co. ("J. B. Miller's" Keyless), Kent, O.
Miller Lock Co., 4523 Tacony, Phila., Pa.
Mosler Lock Co., Covington, Ky.
National Lock Co., Rockford, Ill.
Penn Hardware Co., Reading, Pa.
Sargent & Co., Water & Wallace, New Haven, Conn.
Sargent & Greenleaf, Inc., Rochester, New York
Yale & Towne Mfg. Co. ("Yale"), also Time, Deal & Safe Locks, Stamford, Conn.

7536—Locks (Car & Switch)

See also Locks, Pad

Adams & Westlake Co., 319 W Ontario, Chicago, Ill.
Am. Valve & Meter Co. (Safety), 2833 Spring Grove av, Cincinnati, Ohio
Best Frank E., Inc. ("Best Universal"), 1121 Post, Seattle, Wash.
Climax Co. (Switch), 275 Passaic, Newark, N. J.
Corbin P. & F. ("Corbin"), New Britain, Conn.
Dayton Mfg. Co. (Door, Sash, Switch, etc), Dayton, O.
Detroit Ship Building Co. (Brass Dept.), ft. Orleans, Detroit, Mich.
Edwards O. M. Co. (Railroad Switch), Syracuse, N. Y.
Fraim E. T. Lock Co. ("Fraim"), 237 Park av, Lancaster, Pa.
Loeffelholz Co., Milwaukee, Wis.
Miller Lock Co., 4519 Tacony, Phila., Pa.
National Malleable Castings Co. (Car Coupler), 7706 Platt, S E, Cleveland, Ohio
Railroad Supply Co., 203 S Dearborn, Chicago, Ill.
Romer & Co., Inc., 95 Clay, Newark, N. J.
Russell & Erwin Mfg. Co. (Car Door Only), New Britain, Conn.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Sargent & Co., Water & Wallace, New Haven, Conn.
Sargent & Greenleaf, Inc., Rochester, N. Y.
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.
Zelnicker Walter Supply Co. ("Zelnicker" Dealer), 325 Locust, St. Louis, Mo.

Locks (Chest)

See Locks, Cabinet

7537— Locks (Cigar Box)

Eagle Lock Co., Terryville, Conn.

Locks (Clothes Locker)

See Locks, Locker

Locks (Cupboard)

See Locks, Cabinet

Locks (Cylinder)

See Locks, Cabinet

Locks (Desk)

See Locks, Cabinet

7538— Locks (Dog Collar)

Buchheimer Geo. H., 503 Ann, Baltimore, Md.
Corbin Cabinet Lock Co. (Padlock, etc), New Britain, Conn.
Fraim-Slaymaker Hardware Co., H, First, Lancaster, Pa.
Huebel Mfg. Co., 103 Monroe, Newark, N. J.
Miller J. B. Keyless Lock Co. ("J. B. Miller's" Keyless), Kent, O.
Union Hardware Co., Torrington, Conn.

Locks (Drawer)

See Locks, Cabinet

7539—Locks (Elevator Door)

See also Elevator Safety Locks

Chisholm-Moore Mfg. Co. ("Moore's" Reversible Square), 5046 Lakeside, Cleveland, O.
Elevator Locks Co. ("M-C-K" Automatic Safety Locks), Peoria, Ill.
Sargent & Greenleaf, Rochester, N. Y.

7540—Locks (Emergency Exit Door)

Bolles Wm. B., P. O. Box 600 M, Milwaukee, Wis.
Smith Frank F. Hardware Co. ("Smith's Improved"), 81H Clay, Newark, N. J.
Vonnegut Hardware Co. ("Von Duprin"), 120 E Washington, Indianapolis, Ind.

7541-2— Locks (Hasp)

Allith-Prouty Co. ("Prouty"), Danville, Ill.

Locks (Jail)

See Locks & Locking Devices, Prison Cell

Locks (Jewel Case)

See Locks, Cabinet

7543-4— Locks (Keyless)

American Keyless Lock Co. ("No-Key" Padlock), 619 W Jackson, Chicago, Ill.
Keyless Lock Co., Pike & Horey, Indianapolis, Ind.
Miller J. B. Keyless Lock Co. ("J. B. Miller's" Keyless), Kent, O.
Miller Lock Co., 4523 Tacony, Phila., Pa.

7545— Locks (Lamp)

(For Locking Incandescent Lamps in Socket)

GENERAL ELECTRIC CO. (Locking Socket), Schenectady, N. Y.
See adv index at end of book
McGill Mfg. Co. (Wall "Loxon"), 77 Oak, Valparaiso, Ind.

7546—Locks (Lavatory or Toilet)

American Coin Lock Co. Inc., H, Slater Trust bldg, Pawtucket, R. I.
Best Frank E., Inc. ("Best Universal"), 1121 Post, Seattle, Wash.
Coin Controlling Lock Co. ("Coin" Operating), 617 Tracy Term., Indianapolis, Ind.
Gabriel A. (Coin), 364 12th, Oakland, Cal.
Peerless Coin Controlled Lock Co., 1730 W. Jefferson, Los Angeles, Cal.

7547— Locks (Locker)

Best Frank E., Inc. ("Best Universal"), 1121 Post, Seattle, Wash.
Corbin Cabinet Lock Co., New Britain, Conn.
Eagle Lock Co., Terryville, Conn.
Excelsior Hardware Co., Stamford, Conn.
Fraim E. T. Lock Co., Lancaster, Pa.
Medart Fred Mfg. Co., St. Louis, Mo.
Miller J. B. Keyless Lock Co., Kent, O.
Miller Lock Co., 4523 Tacony, Phila., Pa.
Sargent & Greenleaf, Inc., Rochester, N. Y.
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

7547a— Locks (Mortise)

Best Frank E., Inv. ("Best Universal"), 1121 Post, Seattle, Wash.
Bohannan Wilson, 760 Lexington av, Brooklyn, N. Y.
Chantrell Hardware & Tool Co., Reading, Pa.
Corbin Cabinet Lock Co., New Britain, Conn.
Corbin P. & F. ("Corbin"), Dept. H, New Britain, Conn.
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
National Lock Co., Rockford, Ill.
Sargent & Greenleaf Co. Inc., Rochester, N. Y.

7548— Locks (Net)

Speare's Alden Sons Co. ("Yates" for Laundries), Cambridge, Mass.

7549-50— Locks (Padlock)

American Keyless Lock Co. ("No-Key" Keyless), 619 W Jackson, Chicago, Ill.
Ames Sword Co. ("Perfection") Chicopee, Mass.
Best Frank E., Inc. ("Best Universal"), 1121 Post, Seattle, Wash.
Chapman W. H. Co., Middletown, Conn.
Chicago Cabinet Lock Co. ("Chi-Locks," Brass), 154 Whiting, Chicago, Ill.
Connecticut Lock Co. ("Nopik"), Fairfield, Conn.
Corbin Cabinet Lock Co. (Wrought & Cast), New Britain, Conn.
Dayton Mfg. Co., Dayton, Ohio
Deitz Alonzo E. (Bronze Metal), 73 Clymer, Brooklyn, N. Y.
Detroit Shipbuilding Co. (Brass Dept.), ft. Orleans, Detroit, Mich.
Eagle Lock Co., Terryville, Conn.
Edwards O. M. Co. (Brass & Steel), Syracuse, N. Y.
Excelsior Lock & Hardware Co., Lancaster, Pa.
Excelsior Plating Co. ("Secure"), Lancaster, Pa.
FRAIM E. T. LOCK CO. ("Fraim"), 237 Park av, Lancaster, Pa.
Fraim-Slaymaker Hardware Co. Inc. ("Eclipse 6 Lever," "Motor," "Steel Slate," "Tiny 3 Lever," "X. L. 6 Lever," "X L N T," Xmplor," "Xmplr 6 Lever," "I. X. L.," "Mail," "Old Oak," "Panama," "Pioneer," "Raven," "R. F. D.," "Rustless," "Secure Levers," "Six Levers," "Slaymakers," "Special," "Spring Tumbler," "Arco," "Ark," "Box," "Blue Seal," "Conay," "Caput," "Curfew," "Emu," "Flag," "Greek," "Imperial," "Crank," "Air King," "Guard," "Fraim-Slaymaker," "Seabag," "Autoloc"), H, First, Lancaster, Pa.
Gibson & Kirk Co., 217 Key Highway, Baltimore, Md.
Huebsl Mfg. Co., 103 Monroe, Newark, N. J.
Junkunc Bros., 1145 W. Garfield blvd, Chicago, Ill.
Miller J. B. Keyless Lock Co., Kent, O.
Miller J. Walter Co., Lancaster, Pa.
Miller Lock Co., 4523 Tacony, Phila., Pa.
Pawles Jas. D. Co., 74 Pearl, Boston, Mass.
Rochester Lock Corp., Wilder bldg, Rochester, N. Y.
Romer & Co., Inc., 95 Clay, Newark, N. J.
Russell & Erwin Mfg. Co., New Britain, Conn.
Safe Padlock & Hardware Co., Lancaster, Pa.
Sargent & Co. ("Elm City," "Record," "Argos," "Big Bill," "Six Lever," "Pequot," "Bull Dog," "R. F. D."), Water & Wallace, New Haven, Conn.
Sargent & Greenleaf, Inc., Rochester, N. Y.
Shanklin Mfg. Co. (Combination), Springfield, Ill.
Smith & Egge Mfg. Co. ("Giant"), Bridgeport, Conn.
Star Lock Works, 110 S 8th, Phila., Pa.
Union Hardware Co. ("Scandinavian"), Torrington, Conn.
U. S. Lock & Hardware Co. ("Army," "Globe," "Hart," "Hex," "Jupiter," "King," "Mars," "Monarch," "Saturn," "Samson," "Star," "Winall," "Sun," "Moon"), Columbia, Pa.
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

7551—Locks (Piano & Sewing Machine)

Eagle Lock Co., Terryville, Conn.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Locks (Pin Tumbler)

See Locks, Cabinet

7552— Locks (Pole)

Cutter Geo. Co., South Bend, Ind.
Line Material Co., So. Milwaukee, Wis.

7553—Locks (Post Office Box)

Best Frank E., Inc. ("Best Universal"), 1121 Post, Seattle, Wash.
Eagle Lock Co., Terryville, Conn.
Fraim-Slaymaker Hardware Co., H, First, Lancaster, Pa.
Federal Equipment Co., Carlisle, Pa.
Sargent & Greenleaf, Inc., Rochester, N. Y.

7554—Locks (Railway Signaling)

Fraim E. T. Lock Co. ("Fraim" Signal Service), 237 Park av, Lancaster, Pa.
Fraim-Slaymaker Hardware Co., H, First, Lancaster, Pa.
General Railway Signal Co. (Time, Outlying Switch), Rochester, N. Y.

7555— Locks (Refrigerator)

Brainerd Mfg. Co., East Rochester, N. Y.
Dent Hardware Co., Fullerton, Pa.
Grand Rapids Brass Co., Grand Rapids, Mich.
Greene, Tweed & Co., 109 Duane, New York
Nat'l Refrigerators Co., 827 Koeln av, St. Louis, Mo.
Oakland Refrigerator & Butchers' Supply Co. ("Orbsco"), 1616 E. 12th, Oakland, Calif.
Safe Padlock & Hardware Co., Lancaster, Pa.
Tiebout W. & J., 118 Chambers, New York

7556— Locks (Safe Deposit)

Bates L. L. & Co., 98 Sudbury, Boston, Mass.
Best Frank E., Inc. ("Best Universal"), 1121 Post, Seattle, Wash.
Deitz Alonzo E. (Vault, Safety Deposit & Inside Safe), 73 Clymer, Brooklyn, N. Y.
Diebold Safe & Lock Co., Canton, O.
See adv index at end of book
Eagle Lock Co., Terryville, Conn.
Fraim-Slaymaker Hardware Co., H, First, Lancaster, Pa.
HALL'S SAFE CO., P. O. Box 846, Cincinnati, O. *See adv index at end of book*
Laughlin Thos. Co. (Brass & Bronze Ship), 135 Fore, Portland, Me.
See adv index at end of book
Sargent & Greenleaf, Inc., Rochester, N. Y.
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

7557— Locks (Sash)

Ajax Hardware Mfg. Co., 854 Ellicott, Buffalo, N. Y.
Allith-Prouty Co. ("Prouty"), Danville, Ill.

B. L. P. Sales Co. ("Burg-La-Proof"), Automatic, Charlestown, Mass.
Bradley & Farnham, Middlefield, Conn.
Brohard Co. (Stamped Steel), 3d & Lehigh, Phila., Pa.
Caldwell Mfg. Co., ("Empire") Rochester, N. Y.
Champion Hardware Co. ("Champion," "Side," "Monitor," "Never Break," & "Wrought"), Geneva, O.
Chantrell Hardware & Tool Co., Reading, Pa.
Corbin P. & F., New Britain, Conn.
Dayton Mfg. Co. ("Ardee," Sash Lock & Anti-Rattler, for Car Windows, etc), Dayton, O.
Eagle Lock Co. (Sliding, Sash, etc), Terryville, Conn.
Edwards O. M. Co., Inc. (For Car Windows), Syracuse, N. Y.
Ellis Mfg. Co. ("Sampson"), Millidale, Conn.
Enterprise Hardware Mfg. Co., Frederick, Md.
Howard Jas. L. & Co. (For R. R. Cars), Hartford, Conn.
Ives H. B. Co., New Haven, Conn.
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Lawrence Bros., Sterling, Ill.
Lockwood Mfg. Co., South Norwalk, Conn.
National Lock Washer Co., 40 Herman, Newark, N. J.
National Mfg. Co. (All Steel or Solid Brass), Sterling, Ill.
North & Judd Mfg. Co., Dept. H, New Haven, Conn.
Payson Mfg. Co., 2918 W Jackson blvd, Chicago, Ill.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Safe Padlock & Hardware Co., Lancaster, Pa.
Sager Lock Co., North Chicago, Ill.
Sargent & Co., Water & Wallace, New Haven, Conn.
Schroeder Bros., 902 Payne av, St. Paul, Minn.
Sharon Hardware Mfg. Co. ("Sharon" All Steel), Sharon, Pa.
Shelby Metal Products Co., Shelby, Ohio
Shelby Spring Hinge Co. ("Shelby" Steel & Brass or Bronze, Polished), Shelby, Ohio
Smith Frank F. Hardware Co. ("Smith's Improved"), 81H Clay, Newark, N. J.
Taylor & Boggis Foundry Co., Cleveland, Ohio
Wilcor Mfg. Co., 4824 W Lake, Chicago, Ill.

7558—Locks (Sash, Fireproof)

Payson Mfg. Co., 2918 W Jackson blvd, Chicago, Ill.

7559—Locks (Sash, Ventilating)

Bradley & Farnham ("Ellis"), Middlefield, Conn.
Brohard Co. ("Brohard"), 3rd & Lehigh, Phila., Pa.
Burgess & Norton Mfg. Co. ("Bur-Nor," "Security"), Geneva, Ill.
Climax Lock & Ventilator Co. ("Climax" & "Simplex" Automatic Ventilating), 656 Michigan av, Buffalo, N. Y.
Ives H. B. Co., New Haven, Conn.
National Mfg. Co. (Ventilating Window Lock), Sterling, Ill.
Payson Mfg. Co., 2918 W Jackson blvd, Chicago, Ill.
Racine Metal Stamping Co. ("Racine," Automatic Lock), Racine, Wis.
Wolverine Supply & Mfg. Co. ("Wolverine"), Page & Fontella, Pittsburgh, Pa.

Locks (Sliding Door)

See Locks & Latches, Sliding Door

7560— Locks (Slot Machine)

Excelsior Hardware Co., Stamford, Conn.
Fraim-Slaymaker Hardware Co., H, First, Lancaster, Pa.
Miller J. B. Keyless Lock Co. ("J. B. Miller's" Keyless), Kent, O.
Sargent & Greenleaf, Inc., Rochester, N. Y.

7561— Locks (Stall Door)

Sargent & Greenleaf, Inc., Rochester, N. Y.
Western Brass Mfg. Works, Marshall blvd, & W 21 st, Chicago, Ill.

Locks (Store Door)

See Locks & Knobs, Door, House, etc.

7562-3— Locks (Time)

Barnes Safe & Lock Co., 941 Liberty av, Pittsburgh, Pa.
Consolidated Time Lock Co., 3253 Spring Grove, Cincinnati, O.
Diebold Safe & Lock Co., Canton, O. *See adv index at end of book*
HALL'S SAFE CO., P. O. Box 846, Cincinnati, O. *See adv index at end of book*
International Time Recording Co., 50 Broad, New York
Mosler Safe Co., Hamilton, O.
Phelps Guardant Time Lock Co. (For Time Service), 229 Fulton, New York
Sargent & Greenleaf, Inc., Rochester, N. Y.
Silent Watchman Corp. (Recording), 505H W 42d, New York
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

7564—Locks (Trunk & Suit Case)

American Brass Novelty Co., Grand Haven, Mich.
Best Frank E., Inc. ("Best Universal"), 1121 Post, Seattle, Wash.
Connecticut Lock Co. ("Nopik"), Fairfield, Conn.
Corbin Cabinet Lock Co., New Britain, Conn.
Eagle Lock Co., Terryville, Conn.
Excelsior Hardware Co., Stamford, Conn.
Fraim-Slaymaker Hardware Co., H, First, Lancaster, Pa.
Riley, Klotz Mfg. Co., 17 Mulberry, Newark, N. J.
Star Lock Works, 110 S 8th, Phila., Pa.
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

Locks (Ventilating, Window)

See Locks, Sash, Ventilating

Locks (Wardrobe)

See Locks, Cabinet

7565—Locks & Catches (Casket)

Eagle Lock Co., Terryville, Conn.

7566—Locks & Knobs (Door, House, Etc.)

See also Hardware Manufacturers

Barrows Lock Co., Lockport, Ill.
Bolles Wm. B., P. O. Box 600M, Milwaukee, Wis.
Brass Goods Mfg. Co. (Refrigerators), 345 Eldert, Brooklyn, N. Y.
Champion Hardware Co., (Locks only), Geneva, O.
Chantrell Hardware & Tool Co., Reading, Pa.
Climax Co., 275 Passaic, Newark, N. J.
Columbia Machine Works & Malleable Iron Co. (Door Handles), Atlantic av & Chestnut, Brooklyn, N. Y.
Corbin P. & F., New Britain, Conn.
Dayton Mfg. Co., Dayton, O.
Deitz Alonzo E. (Drawer, Store Door, Padlock, etc.), 73 Clymer, Brooklyn, N. Y.
Fraim E. T. Lock Co., 237 Park av, Lancaster, Pa.
Fraim-Slaymaker Hardware Co. (Rim), H, First, Lancaster, Pa.
Gibson & Kirk Co., 217 Key Highway, Baltimore, Md.
Hall Wm. Co. (Glass Door Knobs), Quincy, Mass.
Howard Jas. L. & Co. (Car Door), Hartford, Conn.
Huebel Mfg. Co., 103 Monroe, Newark, N. J.
Keil Francis & Son, 401 E 163d, New York
Laughlin Thos. Co. (Ship, Brass and Bronze), 135 Fore, Portland, Me. *See adv index at end of book*
Lockwood Mfg. Co., S. Norwalk, Conn.
New England Lock & Hinge Co., Winchendon, Mass.
Nock G. W. Co., 1304 Race, Phila., Pa.
Norwalk Lock Co., South Norwalk, Conn.
Ochsner A. & Son (Automobile & Carriage), 1060 State, New Haven, Conn.
Peck Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co. (Cylinder Dead Knob), Reading, Pa.
Phoenix Lock Works, 3rd av, Newark, N. J.
Reading Hardware Co. ("Reading"), Reading, Pa. Conn.
Rochester Lock Corp., Wilder bldg, Rochester, N. Y.
Romer & Co., Inc., 95 Clay, Newark, N. J.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., Water & Wallace, New Haven, Conn.
Sargent & Greenleaf Co., Inc. (House Locks Only), Rochester, N. Y.
Schlage Co. ("Button-Lock"), American Bank bldg, San Francisco, Cal.
Segal Lock & Hardware Co., Inc., 155 Leonard, New York
Shelby Spring Hinge Co., Shelby, O.
Skillman Hdwe Mfg. Co., Trenton, N. J.
Star Lock Works, 110 S 8th, Phila., Pa.
Taylor & Boggis Foundry Co., Cleveland, O.
Thomas T. & Co., 144 Mulberry, Newark, N. J.
Woodruff W. W. & Sons Co. (Carriage Door), Mount Carmel, Conn.
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

7567—Locks & Latches (Sliding Door)

Auer John, Jr. (Wrought), 197 Middleton, Brooklyn, N. Y.
Brewer Bros. Co., 2743 N 2nd, Phila., Pa.
Chantrell Hardware & Tool Co. ("Chantrell"), Reading, Pa.
Corbin Cabinet Lock Co., New Britain, Conn.
Corbin P. & F., New Britain, Conn.
Dayton Mfg. Co., Dayton, O.
Lane Bros. Co. (Latches Only), Poughkeepsie, N. Y.
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
National Mfg. Co. ("Washburne" Latches for Sliding or Swinging Doors), Sterling Ill.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Richards-Wilcox Mfg. Co ("Richards-Wilcox"), Aurora, Ill. *See adv index at end of book*
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., Water & Wallace, New Haven, Conn.
Sargent & Greenleaf, Inc., Rochester, N. Y.
Skillman Hdwe Mfg. Co., Trenton, N. J.
Stearns E. C. & Co. (For Sliding Door), 450 Oneida, Syracuse, N. Y.
Stowell Co. The (For Elevator Doors, etc.), So. Milwaukee, Wis.
Taylor & Boggis Foundry Co., Cleveland, O.
Wagner Mfg. Co. ("Wagner," Latches), Cedar Falls, Ia.
Western Brass Mfg. Works (Iron Japanned & Brass), Marshall blvd & W 21st, Chicago, Ill.
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

7568-9-70—Locks & Locking Devices (Prison Cell)

Climax Co., 275 Passaic, Newark, N. J.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Pauly Jail Building Co., 2215 De Kalb, St. Louis, Mo.
ST. PAUL FOUNDRY CO., Como av & Mackubin, St. Paul, Minn. *See adv index at end of book*
Sargent & Greenleaf, Inc., Rochester, N. Y.
Stewart Iron Works Co., Covington, Ky.
Van Dorn Iron Works Co., 2700 E 79th, Cleveland, O.
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

7571—Locomotive Bell Ringers

Hammett H. G. ("Trojan" Air), Troy, N. Y.
Heginbottom S. H. & Sons (Automatic), Saginaw, Mich.
Holmes Robt. & Bros. (Air & Steam), Danville, Ill.
Smedley Locomotive Bell Ringers Pump Co. (Automatic), Dubuque, Iowa
United States Metallic Packing Co. (The Gollmar), 221 N 13th, Phila., Pa.
Vissering Harry & Co. ("Viloco"), 14 E. Jackson blvd, Chicago, Ill.
Western Railway Equipment Co. ("Western," Pneumatic), Central Natl. Bank bldg, St. Louis, Mo.

7572-3—Locomotive Coaling Stations

See also Coal & Ore Handling Machinery
American Bridge Co., 30 Church, New York
Brown Hoisting Machinery Co., 4403 St. Clair, N E, Cleveland, O. *See adv index at end of book*
Chain Belt Co., 746 Park, Milwaukee, Wis. *See adv index at end of book*
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill. *See adv index at end of book*
Dempey Degener Co., 708 Penn av, Pittsburgh, Pa.
FAIRBANKS, MORSE & CO., 900 S Wabash av, Chicago, Ill. *See adv index at end of book*
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Howlett Construction Co., Moline, Ill.
Hunt C. W. Co., West New Brighton, N. Y. *See adv index at end of book*
Johnson & Thompson, 2716 N. 26th, Birmingham, Ala.
Link-Belt Company, 300 W. Pershing rd, Chicago, Ill. *See adv index at end of book*
New York Central Iron Wks. Co., Inc., Dept. H, Hagerstown, Md.
Ogle Construction Co., 28 E Jackson, Chicago
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa. *See adv index at end of book*
Roberts & Schaefer Co., 1110 Wrigley bldg, Chicago, Ill.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

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THE FATE-ROOT-HEATH CO. *Plymouth Locomotive Works* **Plymouth, Ohio**

7574—Locomotive Fire Kindler

Mac Leod Co., 2227 Bogen, Cincinnati, Ohio
See adv index at end of book
Railway Materials Co. ("The Ferguson", Portable), Railway Exch. bldg, Chicago, Ill.

7575—Locomotive Guide Liners

Iron City Tool Works (Lock-Nuts Only), 3201 Smallman, Pittsburgh, Pa.
Starrett L. S. Co., Athol, Mass.

7576—Locomotive Jacket Iron & Steel

Am. Sheet & Tin Plate Co. (Steel), H. Frick bldg, Pittsburgh, Pa.
Falcon Steel Co., Niles, O.
Wood J. & Bros. Co., Conshochocken, Pa.

7577— Locomotive Lagging

Carey Philip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, O.
Ehret Magnesia Mfg. Co. (Magnesia), Valley Forge, Pa.
Franklin Mfg. Co. (Also Air Pump Cylinder Lagging), Franklin, Pa.
Johns-Manville Inc. ("Magnesia" "Asbestos," "Fire Felt"), Madison av [illegible] New York
Keasbey & Mattison Co. (Magnesia & Asbestos), Ambler, Pa.
Watson H. F. Co., Erie, Pa.

7578— Locomotive Netting

Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y. *See adv index at end of book*
CLEVELAND WIRE CLOTH & MFG. CO., 3574 E 78th, Cleveland, O.
See adv index at end of book
Ludlow-Saylor Wire Co., 600-640 Newstead av, St. Louis, Mo.
See adv index at end of book
MICHIGAN WIRE CLOTH CO., 2100 Howard, Detroit, Mich.
See adv index at end of book
TYLER W. S. CO., Cleveland, O.
See adv index at end of book

7579— *Locomotive Oil Cups

See also Lubricators Oil & Grease Cup

Am. Safety Lamp & Mine Supply Co., 1327 Capouse av, Scranton, Pa.
Bowen Products Corp., Divs.: Auburn, N. Y.; Detroit, Mich.; Cleveland, O.; Minneapolis, Minn.; Windsor, Ont., Can.
See adv index at end of book
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
See adv index at end of book

7580-1—Locomotive Sanders

See also Boxes, Sand

American Safety Lamp & Mine Supply Co., ("Gapp" & Ames"), 1327 Capouse av, Scranton, Pa.
Hegeman-Castle Corp. ("Pitt" Pneumatic), 80 E Jackson, Chicago, Ill.
Holden & White ("Pitt" Pneumatic), 80 E Jackson, Chicago, Ill.
Nathan Mfg. Co. (Steam Apparatus), 21 E. 40th, New York
Newark Air Sand Box Co. ("De France"), Newark, O.
Nichols Lintern Co., 8404 Lorain av, Cleveland, O.
United States Metallic Packing Co. ("Leach," "Shee," "Sherbourne"), 221 N 13th, Philadelphia, Pa.
Vissering Harry & Co. ("Viloco"), 14 E. Jackson blvd, Chicago, Ill.
White-American Locomotive Sander Co., Roanoke, Va.

7582— Locomotive Tiles

Ashland Fire Brick Co. (Solid & Sectional), Ashland, Ky.
Buckeye Fireclay Co., Uhrichsville, O.
Chicago Fire Brick Co., 133 W Washington, Chicago, Ill.
Chicago Retort & Fire Brick Co., Ottawa, Ill.
Denny-Renton Clay & Coal Co., Seattle, Wash.
Denver Fire Clay Co., Denver, Colo.
Evens & Howard Fire Brick Co., 920 Market, St. Louis, Mo.
Fulton Fire Brick Co., Fulton, Mo.
Garden City Sand Co., Chamber of Commerce bldg, Chicago, Ill.
Garfield Fire Clay Co., Robinson, Pa.
Harbison-Walker Refractories Co. (All Types of Locomotive Fire Brick). Farmers' Bank bldg, Pittsburgh, Pa.
Kier Fire Brick Co. (The), 2241 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book
Laclede-Christy Clay Products Co. (Arch), Railway Ex. bldg, St. Louis, Mo.
Louisville Fire Brick Works, Louisville, Ky.
Maurer Henry & Son, 420 E. 23rd, New York *See adv index at end of book*
Missouri Fire Brick Co. (Arch), Security bldg, St. Louis, Mo.
Mutton Hollow Fire Brick Co., Woodbridge, N. J.
Ostrander Fire Brick Co., Troy, N. Y.
Parker-Russell Mining & Mfg. Co., 3300 Morganfood rd, St. Louis, Mo.
PORTSMOUTH REFRACTORIES CO. (THE), Portsmouth, Ohio
See adv index at end of book
Remmey Richard C. Son Co., Hedley & Del, Phila., Pa.
St. Louis Vitrified & Fire Brick Co., Wainwright bldg, St. Louis, Mo.
Walsh Fire Clay Products Co., 4070 N Main, St. Louis, Mo.
Washington Brick, Lime & Sewer Pipe Co., Spokane, Wash.

Locomotive Valve Gear

See Gear, Locomotive Valve

7583-4— *Locomotives

See also Headings Following

Fate-Root-Heath Co. (The), Plymouth, Ohio *See adv index at end of book*
GLOVER MACHINE WORKS, Export Dept., 43 Cedar, New York
HYMAN-MICHAELS COMPANY (Moguls, Consolidations, Ten Wheelers, Standards. All in I. C. C. condition. Steam pressure 175 to 200 pounds), 122 S Michigan av, Chicago
See adv index at end of book
Mid-West Locomotive Works ("Burton" Gasoline & Kerosene), Spring Grove & Alabama av, Cincinnati, Ohio

7585—Locomotives (Compressed Air)

Porter H. K. Co., Union Bank bldg, Pittsburgh, Pa.
Vulcan Iron Works, ("Vulcan") Wilkes-Barre, Pa.

7586—Locomotive (Contractors')

See also Locomotives, Industrial

MILWAUKEE LOCOMOTIVE MFG. CO. ("Gasoline Locomotives, gear and chain drive, for all classes of mine and industrial haulage. Built in 6 sizes, from 4 to 15 tons, and for all gauges of track"), Ft. Belleview pl, Milwaukee, Wis.
See adv index at end of book

Locomotives (Dirt Road)

See Engines, Traction, Various Kinds

7586-7—Locomotives (Electric)

American Locomotive Co., 30 Church, New York
Atlas Car & Mfg. Co. (Direct & Alternating Current), Cleveland, O.
See adv index at end of book
Automatic Transportation Co. Inc. (Industrial), 2939 Main, Buffalo, N. Y.
See adv index at end of book
Baldwin Locomotive Works, 500 N Broad, Philadelphia, Pa.
Brill J. G. Co., 62nd & Woodland av, Phila., Pa.
GENERAL ELECTRIC CO., Schenectady, New York *See adv index at end of book*
Goodman Mfg. Co., Halstead & 48 Pl, Chicago, Ill.
HUNT C. W. CO., West New Brighton, N. Y. *See adv index at end of book*
Ironton Engine Co., Ironton, O.
JEFFREY MFG. CO. (Industrial, Mine, etc), 961 N Fourth, Columbus, O.
See adv index at end of book
McGuire-Cummings Mfg. Co., Harris Trust & Savings bldg, Chicago, Ill.
Mead-Morrison Mfg. Co., Prescott & Orleans, Boston, Mass.
Strowenjans H. G., 760 Center, Oakland, Cal.
WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa.
See adv index at end of book
WHITCOMB GEO. D. CO., Rochelle, Ill.
See adv index at end of book

Locomotives (Electric, Mine Haulage)

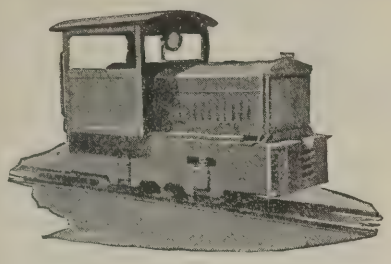
See Locomotives (Mine, Electric)

7589—Locomotives (Friction Drive)

FATE-ROOT-HEATH CO. (THE), Plymouth, Ohio
See adv index at end of book

7590—Locomotives (Gasoline)

Austin Machinery Corp., Railway Exchange bldg, Chicago, Ill.
Baldwin Locomotive Works, 500 N Broad, Philadelphia, Pa.
Davenport Locomotive Works, Rockingham rd, Davenport, Ia.
Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*
FATE-ROOT-HEATH CO., Plymouth, Ohio
See adv index at end of book
Framerican Industrial Development Co. (Imps.), 21 E 40th, New York
Geijsbeek Engineering Co., Burke bldg, Seattle, Wash.
Industrial Equipment Co. ("Minster"), Minster, Ohio
Lakewood Engng. Co., Cleveland, Ohio
McFarlane-Eggers Machy. Co., 2763 Blake, Denver, Col.
Mid-West Locomotive Works, ("Burton" Gasoline & Kerosene), Spring Grove & Alabama av, Cincinnati, Ohio

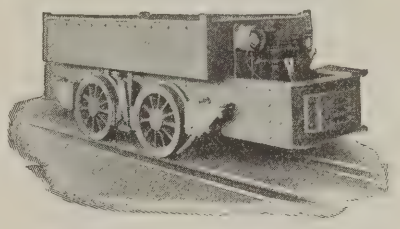


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OFFICES IN PRINCIPAL CITIES

GEO. D. WHITCOMB CO., Rochelle, Illinois

MILWAUKEE LOCOMOTIVE MFG. CO. ("Gasoline Locomotives, gear and chain drive, for all classes of mine and industrial haulage. Built in 6 sizes, from 4 to 15 tons, and for all gauges of track"), Ft. Belleview pl, Milwaukee, Wis.
See adv index at end of book

Strowenjans H. G., 760 Center, Oakland, Cal.

Vulcan Iron Works, ("Vulcan"), Wilkes Barre, Pa.

WHITCOMB GEO. D. CO., Rochelle, Ill.
See adv index at end of book

7591—Locomotives (Geared)

Climax Mfg. Co. ("Climax"), Corry, Pa.

Davenport Locomotive Works, Davenport, Ia.

FATE-ROOT-HEATH CO., Plymouth, Ohio *See adv index at end of book*

Heisler Locomotive Works, Erie, Pa.

Luther Frederick P. Co., 14 E Jackson blvd., Chicago, Ill.

MILWAUKEE LOCOMOTIVE MFG. CO. ("Gasoline Locomotives, gear and chain drive, for all classes of mine and industrial haulage. Built in 6 sizes, from 4 to 15 tons, and for all gauges of track"), Ft. Belleview pl, Milwaukee, Wis.
See adv index at end of book

WHITCOMB GEO. D. CO., Rochelle, Ill.
See adv index at end of book

7592—Locomotives (Industrial)

See also Locomotives, Electric Mine Haulage

American Locomotive Co., 30 Church, New York

Atlas Car & Mfg. Co. (Electric), Cleveland, O.
See adv index at end of book

Automatic Transportation Co. Inc. (Electric), 2939 Main, Buffalo, N. Y.
See adv index at end of book

Baldwin Locomotive Works, 500 N Broad, Philadelphia, Pa.

BROWN & SITES CO., 30 Church, New York

Davenport Locomotive Works, Davenport, Ia.

Dewey Bros., Goldsboro, N. C.

Easton Car & Construction Co., (& Mine), 36 Holley, Easton, Pa.
See adv index at end of book

FATE-ROOT-HEATH CO., Plymouth, O.
See adv index at end of book

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*

Goodman Mfg. Co., Halsted & 48th pl, Chicago, Ill.

Green L. A., 1st Natl. Bank bldg, Pittsburgh, Pa.

Glover Machine Works, Marietta, Ga.

Hunt C. W. Co., West New Brighton, New York *See adv index at end of book*

Industrial Equipment Co. ("Minster" Gasoline), Minster, Ohio

JEFFREY MFG. CO., (Electric), 961 N. Fourth, Columbus, O.
See adv index at end of book

MILWAUKEE LOCOMOTIVE MFG. CO. ("Gasoline Locomotives, gear and chain drive, for all classes of mine and industrial haulage. Built in 6 sizes, from 4 to 15 tons, and for all gauges of track"), Ft. Belleview pl, Milwaukee, Wis.
See adv index at end of book

Meyer Henry H. Co. (Dirs.), 110 S Howard, Baltimore, Md.
See adv index at end of book

Mid-West Locomotive Works, ("Burton" Gasoline & Kerosene), Spring Grove & Alabama av, Cincinnati, Ohio

Porter H. K. Co. (Steam & Pneumatic, Union Bank bldg, Pittsburgh, Pa.

Strowenjans H. G., 760 Center, Oakland, Cal.

Tractor Equipment Co., 2951 1st av S, Seattle, Wash.

Vulcan Iron Works, ("Vulcan" & Mine), Wilkes Barre, Pa.

Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

WHITCOMB GEO. D. CO., Rochelle, Ill.
See adv index at end of book

Zelnicker Walter Supply Co. (Dealer), 325 325 Locust, St. Louis, Mo.

7593—Locomotives (Logging)

American Locomotive Co., 30 Church, New York

Baldwin Locomotive Works, 500 N Broad, Philadelphia, Pa.

Climax Mfg. Co. (Tramway), Corry, Pa.

Davenport Locomotive Works, Davenport, Ia.

Fate-Root-Heath Co. (The), Plymouth, Ohio *See adv index at end of book*

Heisler Locomotive Works, Erie, Pa.

Luther Frederick P. Co., 14 E Jackson blvd, Chicago, Ill.

Mid-West Locomotive Works, ("Burton" Gasoline & Kerosene), Spring Grove & Alabama av, Cincinnati, Ohio

MILWAUKEE LOCOMOTIVE MFG. CO. ("Gasoline Locomotives, gear and chain drive, for all classes of mine and industrial haulage. Built in 6 sizes, from 4 to 15 tons, and for all gauges of track"), Ft. Belleview pl, Milwaukee, Wis.
See adv index at end of book

Phoenix Mfg. Co., Eau Claire, Wis.

Porter H. K. Co., Union Bank bldg, Pittsburgh, Pa.

WHITCOMB GEO. D. CO., Rochelle, Ill.
See adv index at end of book

Zelnicker Walter A. Supply Co. (Dealer), 325 Locust, St. Louis, Mo.

7593a—Locomotives (Mine, Electric)

American Locomotive Co., 30 Church, New York

ATLAS CAR & MFG. CO., Cleveland, O.
See adv index at end of book

Baldwin Locomotive Works, 500 N Broad, Philadelphia, Pa.

Cooke Wilson Electric Supply Co. (Dirs.), Imperial Power bldg, Pittsburgh, Pa.

Garrity Ralph E. Co., 607H Wabash bldg, Pittsburgh, Pa.

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*

Duquesne Electric & Mfg. Co., Bessemer bldg., Pittsburgh, Pa.

Goodman Mfg. Co., Halsted & 48th pl, Chicago, Ill.

HUNT C. W. CO., West Brighton, New York *See adv index at end of book*

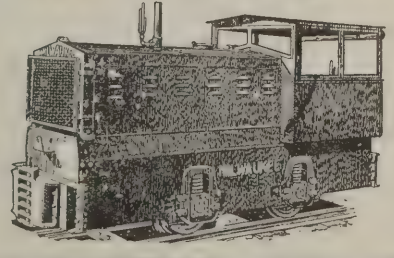
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*

Morgan-Gardner Electric Co., 27th & Shields av., Chicago, Ill.

(Continued on following page)

Milwaukee Gasoline Locomotives

For Industrial Haulage



BUILT in sizes from four to fifteen tons. For All Gauges of Track. There's a size for every purpose.

Write for Catalogs J-129 and J-136.

MILWAUKEE LOCOMOTIVE MFG. CO., MILWAUKEE, WIS. U.S.A.

Locomotives (Mine, Electric)—Cont.

WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa.
See adv index at end of book

WHITCOMB GEO. D. CO., Rochelle, Ill.
See adv index at end of book

7593b—Locomotives (Mine, Gasoline)

MILWAUKEE LOCOMOTIVE MFG. CO. ("Gasoline Locomotives, gear and chain drive, for all classes of mine and industrial haulage. Built in 6 sizes, from 4 to 15 tons, and for all gauges of track"), Ft. Belleview pl, Milwaukee, Wis.
See adv index at end of book

7594—Locomotives (Oil Burning)

American Locomotive Co., 30 Church, New York

Baldwin Locomotive Works, 500 N Broad, Philadelphia, Pa.

BROWN & SITES CO., 30 Church, New York

Davenport Locomotive Works, Davenport, Ia.

Fate-Root-Heath Co. (The), Plymouth, O.
See adv index at end of book

Mid-West Locomotive Works, ("Burton" Gasoline & Kerosene), Spring Grove & Alabama av, Cincinnati, Ohio

Porter H. K. Co., Union Bank bldg, Pittsburgh, Pa.

Locomotives (Pneumatic)

See Locomotives, Compressed Air

7595—Locomotives (Rebuilt)

Baldwin Locomotive Works (Repaired for Owners Only), Broad & Spring Garden, Phila. Pa.

Birmingham Rail & Locomotive Co., Birmingham, Ala.

Climax Locomotive Co., 623 Western av, Seattle, Wash.

Clyde Equipment Co., 555 Thurman, Portland, Ore.

Dilley Geo. E. & Son, Palestine, Texas

Engineering Products Co., Rialto bldg, San Francisco, Calif.
See adv index at end of book

Georgia Car & Locomotive Co., Atlanta, Ga.

Grant Locomotive & Car Works, Houston, Tex.

Hofius Steel & Equipment Co., L. C. Smith bldg, Seattle, Wash.

KLEINHANS H. CO., (Steam), Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book

Lima Locomotive Corp., Lima, Ohio

Midwest Engine Co., (Repaired), 19th & Martindale av, Indianapolis, Ind.

Minneapolis Steel & Machy. Co., 2854 Minnehaha av, Minneapolis, Minn.

Railway Equipment Co., 104 First, Portland, Ore.

Raleigh Iron Works Co., Raleigh, N. C.

Rome Mfg. Co. Inc., ("Rome"), Rome, N. Y.

Rothfuss-Howard Iron Works, Williamsport, Pa.

SOUTHERN IRON & EQUIPMENT CO., Atlanta, Ga.

Stewart Bros. Co., 271 Pine, Portland, Ore.

Union Iron Works Co., Selma, Ala.

United Commercial Co., 234H Stuart, San Francisco, Cal.

Voegtly Wm. N. Jr., 625 Market, San Francisco, Cal.

Warner P. B., Culloms Station, Barkley av & Liston, Cincinnati, O.

Western Railway Supply Co., 175 N 15th, Portland, Ore.

Zelnicker Walter A. Supply Co. (Dealer), 325 Locust, St. Louis, Mo.

Locomotives (Second Hand)

See Railroad Equipments, Second-Hand

7596—Locomotives (Steam Railroad)

American Locomotive Co., 30 Church, New York

Baldwin Locomotive Works, 500 N Broad, Philadelphia, Pa.

Davenport Locomotive Works, Rockingham Road, Davenport, Ia.

Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*

7597—Locomotives (Storage Battery)

ATLAS CAR & MFG. CO., Cleveland, O.
See adv index at end of book

Automatic Transportation Co. Inc., 2939 Main, Buffalo, N. Y.
See adv index at end of book

Baldwin Locomotive Works, 500 N Broad, Phila., Pa.

Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*

Hunt C. W. Co., West New Brighton, N. Y. *See adv index at end of book*

JEFFREY MFG. CO., 961 N Fourth, Columbus, O.
See adv index at end of book

Mancha Storage Battery Locomotive Co., 1909H S Kingshighway, St. Louis, Mo.

WHITCOMB GEO. D. CO., Rochelle, Ill.
See adv index at end of book

7598—Locomotives & Railways (Miniature)

Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*

Ives Mfg. Corp. (Toy), 194 Holland av, Bridgeport, Conn.

McGarigle Machine Co., Niagara Falls, N. Y.

Mangels Wm. F. Co. (Third Rail), 2863 West 8th Brooklyn, N. Y.

Morris E. Joy, 902 Walnut, Philadelphia, Pa.

Osborn J. K. Mfg. Co., Harrison, N. J.

Thompson L. A., Scenic Railway Co., 220 W 42d, New York

7599— Log Hauls

Allis-Chalmers Mfg. Co. (Steam), Milwaukee, Wis. *See adv index at end of book*

American Sawmill Machinery Co. ("American" Friction), Hackettstown, N. J.

Bay City Iron Co., Bay City, Mich.

Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book

Challoner Co., Oshkosh, Wis.

Clyde Iron Works Sales Co., Duluth, Minn.
See adv index at end of book

Diamond Iron Works ("Diamond" Steam & Car Hauls), 2nd & 18th av N, Minneapolis, Minn.

Harrison-Skolil Foundry & Mach. Wks., 528 N 28th, Portland, Ore.

Henderson W. K. Iron Works & Supply Co., Shreveport, La.

JEFFREY MFG. CO., 961 N Fourth, Columbus, O.
See adv index at end of book

Lane Mfg. Co., Montpelier, Vt.

Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

Memphis Machine Works, Memphis, Tenn.

Parker Surry (Steam), Pinetown, N. C.

Phoenix Mfg. Co., Eau Claire, Wis.

Puget Sound Iron & Steel Works, Tacoma, Wash.

Southern Engine & Boiler Mfg. Co., Jackson, Tenn.

Sumner Iron Wks., Everett, Wash.

Union Iron Works, Bangor, Me.

Washington Machine & Supply Co. ("Washington"), Division & O. W. R. & N. Tracks, Spokane, Wash.
See adv index at end of book

Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book

7600—Log Hooks Or Timber Carriers

American Logging Tool Co., Evart, Mich.

Bacon & Matheson Forge Co., W Lander & Whatcom, Seattle, Wash.

Champion Tool & Handle Co., Evart, Mich.

Columbus Handle & Hool Co., Columbus, Ind.

Dallas Machine & Locomotive Works ("Gerlinger" Lumber Carrier), Dallas, Ore.

Gerlach Peter Co., 1712 Winter, Cleveland, O.

Multnomah Iron Works, 30th & Nicolai, Portland, Ore.

Ransome Concrete Machinery Co., Dunellen, N. J.

Sumner Iron Wks., Everett, Wash.

Warren Axe & Tool Co., Warren, Pa.

7601— Log Jackers

Garland M. Co., Bay City, Mich.

Lane Mfg. Co., Montpelier, Vt.

Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

Phoenix Mfg. Co., Eau Claire, Wis.

Sumner Iron Wks., Everett, Wash.

7602— Log Turners

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book

American Sawmill Machinery Co. ("American"), Hackettstown, N. J.

Challoner Co. ("Simonson"), Oshkosh, Wis.

Filer & Stowell Co., Milwaukee, Wis.

Garland M. Co., Bay City, Mich.

Lane Mfg. Co., Montpelier, Vt.

Memphis Machine Works, Memphis, Tenn.

Moltz Jacob J., Williamsport, Pa.

Multonomah Iron Works, 30th & Nicolai, Portland, Ore.

Phoenix Mfg. Co. ("Hills"), Eau Claire, Wis.

Southern Engine & Boiler Works, Jackson, Tenn.

Sumner Iron Wks., Everett, Wash.

Trumbull Mfg. Co., Warren, Ohio

Wheland Co., W Side & 27th, Chattanooga, Tenn.

7603— Loggers' Supplies

Brady M. F. Equipment Co., 486 N. 22nd, Portland, Ore.

Broderick & Bascom Loggers' Supply Co., 623 Western av, Seattle, Wash.

Castle A. M. & Co. of Wash., 32-34 W Connecticut, Seattle, Wash.

Dow, David & Son, 1258 1st av, S. Seattle, Wash.

General Machinery & Supply Co., 39 Stevenson, San Francisco, Cal.

Hofius-Ferris Equipment Co., 17 S Wash., Spokane, Wash.

Jamison E. P. Co., Stuart bldg, Seattle, Wash.

Mallory F. B. Co., 235 Pine, Portland, Ore.

Pacific Car & Fdry Co., Seattle, Wash.

Specialty Supply Co., 54 1st, Portland, Ore.

Stewart Bros. Co., 271 Pine, Portland, Ore.

United Railway & Logging Supply Co., Ry. Exchange bldg, Seattle, Wash.

West Geo. C., 83 1st, Portland, Ore.

Zimmerman-Wells Brown Co., 76 1st, Portland, Ore.

7603a— Logometers

Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book

McNab Co. ("McNab" for Propelling Turbine Units, for Single or Twin Screw), Bridgeport, Conn.

7603b— Logs (Engine)

Cummings Ship Instrument Works ("Cummings"), 255 Atlantic, Boston, Mass.

7604— Logs (Gas)

Colonial Fireplace Co. (Regular Odorless Driftwood), 4619H Roosevelt rd, Chicago, Ill.

Crane Wm. M. Co. ("Vulcan"), 18 E 41st, New York

Dawson Bros., 523 Halsted, Chicago, Ill.

Hansen Otto E., Perth Amboy, N. J.

JACKSON EDWIN A. & BRO., INC. (& Electric), 50 Beekman, New York
See adv index at end of book

Strait & Richards (Inc.), Irvington, N. J.

Superior Mfg. Co., Dept. H, Liverpool & River av, Pittsburgh, Pa.

Van Zandt Gas Appliance Co., 4050 Olive, St. Louis, Mo.

7605— Logs (Liquor)

Bryson City Pump Works Co., (Pitch Pine,) Bryson City, N. C.

7606— Logs (Ship)

Cummings Ship Instrument Works, ("Cummings" Engines), 255 Atlantic, Boston, Mass.

Hand John & Sons Co. (Taffrail), 208 Chestnut, Phila., Pa.

Merrill's R. Sons, 66 South, New York

Nautical Instruments Mfg. Co., Inc., 82 Beaver, New York

Negus T. S. & J. D., 140 Water, New York

Schuette Recording Compass Co., Manitowoc, Wis.

Williams & Wells Co., 253 Fulton, New York *See adv index at end of book*

7607—Loops (Brass, For Top Straps)

Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*

Reading Brass Wks., Inc., Reading, Pa.

7608— Loops (Cross Strap)

Searls Mfg. Co., 29 Mulberry, Newark, N. J.

Titchener-Diehl Co., 1844-48 W Austin av, Chicago, Ill.

7609— Loops (Hame)

DU PONT E. I. DE NEMOURS & CO., INC., Poughkeepsie Plant ("Pyralin"), Poughkeepsie, N. Y.
See adv index at end of book

Frazer & Jones Co. (Inside), Syracuse, N. Y.

Midland Co., South Milwaukee, Wis.

North & Judd Mfg. Co. ("Anchor Brand" Bottom), New Britain, Conn.

Titchener-Diehl Co., 1844-48 W Austin av, Chicago, Ill.

7610— Loops (Hold-Back)

Searls Mfg. Co., 29 Mulberry, Newark, N. J.

7611— Loops (Leather)

Canvas Leather Specialty Co., 757 Cass, Trenton, N. J.

Monarch Carriage Goods Co. (Buckle), 2842 Spring, Cincinnati, Ohio

7611a— Loops (Wire)

Fischer Chas. Spring, 240 Kent av, Brooklyn, N. Y.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Newman Mfg. Co., 420 Elm, Cincinnati, O.
Stimpson Edwin B. Co. (for Bag Handles, Razor Strops, etc.), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Titchener-Diehl Co. (Tape Line), 1844-48 W Austin av, Chicago, Ill.

7612— Loose Leaf Devices

American Loose Leaf Mfg. Co., 121 N Green, Chicago, Ill.
Armstrong H. J. & Co., 538 S Clark, Chicago, Ill.
Baker-Vawter Co. (Ledgers), Benton Harbor, Mich.
Barnard Geo. D. & Co., 3845 Laclede, St. Louis, Mo.
Barrett Bindery Co. (Screws & Sleeves) 732 Federal, Chicago, Ill.
Benton Mfg. Co., 9 Bethune, New York
Boorum & Pease Co. ("B. & P. Standard," "Sieber & Trussell"), 84 Hudson av, Brooklyn, N. Y.
California Ledger Tray Co., 425 E Washington, Los Angeles, Cal.
Catalogue Equipment & Supply Co. (Covers), Allston, Boston Mass.
Central Loose Leaf Co., Benton Harbor, Mich.
Chicago Binder & File Co. (Push Button Lock Binder "Perfect" Self-Indexing Ledger), 500 W. 31st, Chicago, Ill.
Conolly Henry Co. ("Conolly"), Rochester, N. Y.
Coppage Printing & Loose Leaf Co., Inc., 545 Pearl, New York
Dawson Mfg. Co., 312 N. 2nd, St. Louis, Mo.
Electro Sun Co., Inc., 161 Washington, N. Y.
Flach & Benedict, Inc., 344 Crocker, Los Angeles, Cal.
Florin Philip, 11 E 26th, New York
Gerlach J. H., College Point, N. Y.
Greer Frederic (Metal Parts), 2608 Flournoy, Chicago, Ill.
Hadley Chas. R. Co., 330 N. Los Angeles, Los Angeles, Cal.
Hanson J L Co (Photo Albums & Gummed Scrap Book), 552 W Adams, Chicago, Ill.
Heinn Co. ("Badger" Ledger Ring & Catalog Binder), 354H Florida, Milwaukee, Wis.
Hoffman H. H. & Co., 210 N Lincoln, Chicago, Ill.
Hoppinger Co., 118 St Clair av N E, Cleveland, O.
Irving-Pitt Mfg. Co. ("1-P" Ring Binder for Loose Leaf Ledgers, etc), 802 Locust, Kansas City, Mo.
Isaac Bros., 425 S. Wall, Los Angeles, Cal.
Johnston Wm. G. Co., 429 Wood, Pittsburgh, Pa.
Kalamazoo Loose Leaf Binder Co., Kalamazoo, Mich.
Kellaway-Ide Co., 312 E. 3rd, Los Angeles, Cal.
Klipto Co., Inc. ("Klipto"), Mason City, Iowa
Laughlin Records Co., 955 61st, Oakland, Cal.
Lefebure Ledger Co., Cedar Rapids, Ia.
Lloyd Wm. G. Co., 626-636 S Clark, Chicago, Ill.
Loewenbach B. & Sons Co., 2005 Clybourne, Milwaukee, Wis.
Loopost Binder Co. ("Loopost"), 225 E. 4th, Los Angeles, Cal.
McBee Binder Co. (Binders), Athens, O.
McDonald J. S. Co. (Gravity-Lock Binder), 1809 Summerdale, Chicago, Ill.
McKiernan Geo. F. & Co., 430 S Green, Chicago, Ill.
McMillan Book Co., Syracuse, N. Y.
Mann Wm. Co., 529 Market, Phila., Pa.
Mohler A. (Ledgers & Forms), 416 S. Dearborn, Chicago, Ill.
Morden Mfg. Corporation (Metal Parts), Waterbury, Conn.
Moore John C. Corp., Rochester, N. Y.
National Blank Book Co. ("Saxon" Post Binder) Holyoke, Mass.
Nelson C. R. & W. A. ("Banner"), 225 N Michigan, Chicago, Ill.
Plew & Motter ("Verybest"), 1200 W Monroe, Chicago, Ill.
Proudfit Loose Leaf Co. ("Proudfit"), Grand Rapids, Mich.
Ravenswood Office Specialties Co., 130 Newport av, Chicago, Ill.
Razall H. G. Mfg. Co. (Ledgers), 300 7th av, Milwaukee, Wis.
Richmond & Backus Co. (Ledgers), 603 Woodward av, Detroit, Mich.
Rubel Loose Leaf Mfg. Co., 314 W Superior, Chicago, Ill.
Seavey Co., 24 Exchange, Portland, Me.
Sherick Harry C., 210 E 4th, Cincinnati, Ohio
Shipman's Asa L. Sons ("Advance"), 100 Chambers, New York
Sieber Products Mfg. Co. (Loose Leaf Binders), 4000 Laclede av, St. Louis, Mo.
Skinner & Kennedy Stationery Co., 416 N 4th, St. Louis, Mo.
Stationers' Loose Leaf Co., 346H, Broadway, Milwaukee, Wis.
Tatum Sam'l C. Co. ("Tatum"), 2062 Reading, Cincinnati, O.
Tenacity Mfg. Co. (Metal Parts), Reading, Ohio
Tengwall Co., 2954 Sheffield av, Chicago, Ill.
Triple S. Machine Co. (Metal Parts), 1013 Wellington, Chicago, Ill.
Trussell Mfg. Co. (Memo. Books, etc.), Poughkeepsie, N. Y.
Van Buren Bros., 1950 Warren av, Chicago, Ill.
Wallace-Seagrave Co., 328 Winston, Los Angeles, Cal.
Welch W. M. Scientific Co., 1516 Orleans, Chicago, Ill.
Western Lithograph Co. ("Welco"), 600 E 2nd, Los Angeles, Cal.
Western Loose Leaf Co., 543 Clay, San Francisco, Cal.
Western Tablet & Stationery Co. (Binders & Fillers), St. Joseph, Mo.
Wiggins John B. Co., 1104 S Wabash, Chicago, Ill.
Wilson Jones Loose Leaf Co. ("De Luxe," "Jones Improved"), 3300 Franklin bl, Chicago, Ill.
Wissler A. (Self-Adjustable, Any Size), B'way & Wash av, St. Louis, Mo.

7612a—Loose Leaf Metal Parts

Barrett Bindery Co. (Screws, etc.), 7832 Federal, Chicago, Ill.
Dawson Manufacturing Co. ("Extra Quality" & "World's Standard"), 312 N 2nd, St. Louis, Mo.
Greer Frederic, 525 W Van Buren, Chicago, Ill.
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Tenacity Mfg. Co., Reading, Ohio
Triple S. Machine Co., 1013 Wellington, Chicago, Ill.

7613—Lot Markers (Glazed Clay)

Chattanooga Sewer Pipe Works, Chattanooga, Tenn.
Columbus Sewer Pipe Co., Columbus, Ga.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Macomb Sewer Pipe Works, Macomb, Ill.
Macon Sewer Pipe Works, Macon, Ga.
Ogden Sewer Pipe & Clay Co., Ogden, Utah
San Antonio Sewer Pipe Works, San Antonio, Texas.
Southern Sewer Pipe Works, Birmingham, Ala.
Standard Sewer Pipe Works, Rome, Ga.

7613a—Loud Speakers (Radio)

Acme Apparatus Co., 186 Mass. av, Cambridge, Mass.
Adams Morgan Co., Montclair, N. J.
Am. Radio & Research Corp., 203 College av, Medford Hillside, Mass.
Auth Elec. Specialty Co., 422 E 53d, New York
Baldwin, Nathaniel, Salt Lake City, Utah
Bliss, R. W. Co., Atlantic, Mass.
Bristol Co. ("Bristol Audiophone"), Waterbury, Conn.
See adv index at end of book
Chicago Radio Laboratories ("Zenith"), 332 S Michigan, Chicago, Ill.
Clapp Eastham Co., 139 Main, Cambridge, Mass.
Colburn Gear & Mfg. Co., 1 Woodworth, Dorchester, Boston 22, Mass.
Crosley Mfg. Co., Alfred & Cook, Cincinnati, Ohio
Dictograph Products Corp. ("Dictograph"), 220 W 42d, New York
Doolittle F. M. Co., 167 Willard, New Haven, Conn.
Duck Wm. B. Co., Toledo, O.
Easton Coil Co. (Coils only), Centre & Mauch Chunk, Easton, Pa.
Electrical Industries Mfg. Co., 328 W 41st, New York
Federal Tel. & Tel. Co. ("Pheiphone"), Buffalo, N. Y.
Firth John Co. ("Vocaloud"), 18 B'way, New York
Freed-Eisemann Radio Corp. ("F-E"), Sperry bldg, Brooklyn, New York
Kilbourne & Clark Mfg. Co. ("K. & C."), 101 Spokane, Seattle, Wash.
King Amplitone ("Amplitone" Horn"), 82 Church, New York
Lyradion Sales & Engng. Co. ("Lyradion"), Mishawaka, Ind.
Magnovax Co. ("Magnovax," "Telemegaphone"), 2725 E 14th, Oakland, Cal.
Magnus Electric Co., Inc. ("Magnus"), 451 Greenwich, New York
Murdock Wm. J. Co., Everett av & Carter, Chelsea, Mass.
National Radio Co., Marshall, Minn.
Quality Radio Shop, Richmond, Ind.
Radio Corp. of Am., 64 Broad, New York
Radio Distributing Co. (Couples to Phonograph), 4 W Park, Newark, N. J.
Radio Elec. Co. ("Recola" Horn), Fremont, O.
Roller-Smith Co. ("Universal"), 233 Broadway, New York
Sadler Mfg. Co. ("Trutone"), 86 4th, San Francisco, Cal.
Ship Owners Radio Service (Dirs.), 80 Washington, New York
Somerville Radio Laboratories, 43 Cornhill, Boston, Mass.
Standard Metal Mfg. Co. ("Standard"), 237 Chestnut, Newark, N. J.
Stanley & Patterson ("Silvertone"), West & Hubert, New York
Stentorfone Co. ("Stentor") and "California Nightingale"), 627 S San Pedro, Los Angeles, Cal.
STROMBERG - CARLSON TELEPHONE MFG. CO., 1050 University av, Rochester, N. Y.
Tel. Maintenance Co. ("Telmaco"), 20 S Wells, Chicago, Ill.
Turney Eugene T. Laboratories ("Turney"), 351 6th av, Newark, N. J.
Universal High Power Tel. Co., Carleton & Eddy, Seattle, Wash.
Victory Radio-Electro Co., 559 Howard, San Francisco, Cal.
Western Elec. Co., 463 West, New York
Westinghouse Elec. & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book
Wireless Improvement Co., 66 York, Jersey City, N. J.
Wireless Mfg. Co. (Dirs.), 619 4th, Canton, O.

7614— Louvres

Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book

The Breese Bros. Company
SHEET METAL WORK
Stationary and Mechanically Operated
Ventilating and Exhaust Systems
Ventilators and Skylights
2347 Reading Rd., Cincinnati, Ohio

Eagle Brass Foundry Co. (Goods), Seattle, Wash.
Pennsylvania Wire Glass Co. (Corrugated Wire Glass), Penna. bldg, Phila., Pa.
See adv index at end of book
TYLER W. S. CO., Cleveland, O.
See adv index at end of book
York Heating & Ventilating Corp., (Adjustable & Stationary), Mill, Bridgeport, Pa.

7614a—Louvres (Corrugated Wire Glass)

Pennsylvania Wire Glass Co., Penna. bldg, Philadelphia, Pa.
See adv index at end of book

7615—Lubricants (Automobile)

See also Lubricating Oils and Greases

Acheson Graphite Co., Niagara Falls, N. Y.
Acheson Oildag Co., ("Oildag" & "Aquadag"), Niagara Falls, N. Y.
Atlantic Refining Co., 3144 Passyunk av, Phila, Pa
Conewango Refining Co., Warren, Pa.
Cook's Adam Sons, 708H Washington, New York
Dixon Jos. Crucible Co. ("Dixon's"), Monmouth, Jersey City, N. J.
Gulf Refining Co., Frick bldg annex, Pittsburgh, Pa.
Ironsides Co., Dept. H, Columbus, Ohio.
Pennzoil Co., 2626 Santa Fe av, Los Angeles, Cal.
Pigot Sayre Co., 29 B'way, New York
Sun Co., ("Sunoco"), Finance bldg., Phila., Pa.
Superior Flake Graphite Co., 76 W Monroe, Chicago, Ill.
TEXAS COMPANY (THE) ("Texaco" Golden Colored Motor Oil, "Texaco Thuban" & "Texaco" Cup Grease), Dept. D, 17 Battery pl, New York
See adv index at end of book
Tidewater Oil Co. ("Veedol"), 11 B'way, New York
WAVERLY OIL WORKS CO., 54th & A. V. R. R., Pittsburgh, Pa.

7615a—Lubricants (Cylinder)

See also Lubricating Oils & Greases

Acheson Oildag Co., ("Oildag" "Aquadag"), Niagara Falls, N. Y.
Atlantic Refining Co., 260 So Broad, Phila., Pa.
Borne-Scrymser Co., 80 South, New York
Buck E. A. & Co., Willimantic, Conn.
Buffalo Refining Co., 158 Pearl, Buffalo, N. Y.
Cook's Adam Sons, 708H Washington, New York
Emery Mfg. Co., Bradford, Pa.
Emlenton Refining Co., Emlenton, Pa.
Empire Oil Works, Oil City, Pa.
Franklin Oil & Gas Co., Bedford, O.
Harris Oil & Grease Works, Titusville, Pa.
Hayner Norman C. Co., Rochester, N. Y.
Hopkins Johns Oil Co., Stewart bldg, Baltimore, Md.

(Continued on following page)

Lubricants (Cylinder)—Continued

Houghton E. F. & Co., 240 W Somerset, Phila., Pa.
Jenkins Geo. R. & Co., 332 S Michigan av, Chicago, Ill.
Kellogg E. H. & Co., 659 Water, New York
Kendall Refining Co., Bradford, Pa.
MacNeal Jas. B. & Co., Warner & Wooster, Baltimore, Md.
Miller's A. D. Sons Co., Columbus & Preble, Pittsburgh, Pa.
Ohio Grease Co., Londonville, O.
Paragon Refining Co., 2935 Front, Toledo, O.
Penn American Refining Co., Oil City, Pa.
Pa. & Dela. Oil Co., 90 West, New York
Pennzoil Co., 2626 Santa Fe av., Los Angeles, Cal.
Pittsburgh Oil Refining Co., Wabash bldg, Pittsburgh, Pa.
Reed Oil Co., Peachtree & Baker, Atlanta, Ga.
Robinson Wm. C. & Son Co., 32 South, Baltimore, Md.
Seneca Oil Works, Warren, Pa.
Standard Oil Co., (& Cylinder Stocks), 225 Bush, San Francisco, Cal.
Sun Co., Woodville Terminal R. R., Toledo, O.
Texas Company (The) ("Texaco Crater" & "Thuban" stops gear noise and wear), Dept. D, 17 Battery pl, New York
See adv index at end of book
Vacuum Oil Co., 61 B'way, New York
Warren Refining Co., Warren, Pa.
Waverly Oil Works Co., 54th, Pittsburgh, Pa.

Lubricants (Gas Engine)

See Lubricating Oils & Greases

7616— Lubricants (Gear)

Acheson Graphite Co., Niagara Falls, N. Y.
Associated Oil Co., 79 New Montgomery, San Francisco, Cal.
Atlantic Refining Co. (Also Shafting), 3144 Passyunk av, Phila., Pa.
Bayerson Oil Works, Erie, Pa.
Climax Refining Co., Williamson bldg, Cleveland, O.
Cook's Adam Sons, 708H Washington, New York
Dixon Jos. Crucible Co. ("Dixon's"), Monmouth, Jersey City, N. J.
Ironsides Co., Columbus, Ohio
Mackin J. A. Co. ("Rino"), 77 King av, Columbus, Ohio
Pennant Oil & Grease Co. ("Speed-Ol"), 2414 Santa Fe av, Los Angeles, Cal.
Pennzoil Co., 2626 Santa Fe av, Los Angeles, Cal.
Pigot Sayre Co., 29 B'way, New York
Texas Company (The), ("Texaco Crater" & "Thuban"), Dept. H R, 17 Battery place, New York
See adv index at end of book
Waverly Oil Works Co., 54th, Pittsburgh, Pa.
White & Bagley Co., 100 Foster, Worcester, Mass.

7617—Lubricants (Graphite)

Acheson Graphite Co., ("Gredag" "Acheson"), Niagara Falls, N. Y.
Acheson Oildag Co., ("Oildag" "Aquadag"), Niagara Falls, N. Y.
American Oil Corp'n ("Advance" Greases), **Jackson, Mich.**
Associated Oil Co., 79 New Montgomery, San Francisco, Cal.
Climax Refining Co., Williamson bldg, Cleveland, O.
Dixon Joseph Crucible Co., Jersey City, N. J.
Federal Graphite Mills, 2639 E 79th, Cleveland, O.
Graphoil Lubricating Co. ("Graphoil"), 71 Clymer, Brooklyn, N. Y.
Harris A. W. Oil Co. ("Harris" Graphite Grease), 326 S Water, Providence, R. I.
Hollingshead R. M. Co. ("Whiz"), Camden, N. J.
Invader Oil Co., ("Invader" "I. O. C."), 342 Madison av, New York
Monarch Mfg. Co. ("Graphalene" Graphite, Oil), Council Bluffs, Ia.
Neider F. A. Co., Dept. H, Augusta, Ky.
Pigot Sayre Co., 29 B'way, New York
Strong, Carlisle & Hammond Co. ("Randall" Sheet), 336 Frankfort av, N W, Cleveland, O.
Superior Flake Graphite Co., 76 W Monroe, Chicago, Ill.
Swan & Finch Co. ("Niagara") (Oil Soap), 165 B'way, New York
United States Graphite Co., Saginaw, Mich.
Wolverine Lubricants Co. of New York ("Wolf's Head"), 44 Whitehall, New York

7617a—Lubricants (Grease Cup)

See also Lubricating Oils & Greases

Acheson Graphite Co., Niagara Falls, N. Y.
Cook's Adam Sons, 708H Washington, New York
Cortland Specialty Co., Cortland, N. Y.
Dixon Jos. Crucible Co. ("Dixon's"), Monmouth, Jersey City, N. J.
Jenkins Geo. R. & Co., 332 S Michigan, Chicago, Ill.
Ohio Grease Co., Londonville, O.
Pennant Oil & Grease Co. ("Speed-Ol"), Dlrs.), 2414 Santa Fe av, Los Angeles, Cal.
Standard Oil Co. ("Arctic," "Argonite"), 225 Bush, San Francisco, Cal.
Texas Company, The, Dept. D, 17 Battery pl, New York
See adv index at end of book

7617b—Lubricants (Machinery and Mill)

See also Lubricating Oils and Greases

Acheson Graphite Co., Niagara Falls, N. Y.
Cook's Adam Sons, 708H Washington, New York
Dixon Jos. Crucible Co. ("Dixon's"), Monmouth, Jersey City, N. J.
Empire Oil Works, Oil City, Pa.
Freedom Oil Works Co., Freedom, Pa.
Hollingshead R. M. Co., Camden, N. J.
Jenkins Geo. R. & Co., 332 S Michigan av, Chicago, Ill.
MacNeal Jas. B. & Co., Warner & Wooster, Baltimore, Md.
Pennzoil Co., 2626 Santa Fe av, Los Angeles, Cal.
Seneca Oil Works, Warren, Pa.
Texas Company, The (There's a "Texaco" Lubricant for Every Purpose), Dept. D, 17 Battery pl, New York
See adv index at end of book
White Star Refining Co., **Avery & Grand** Truck R. R., Detroit, Mich.

7618— Lubricants (Mica)

United States Mica Mfg. Co. ("Flake" Lubricant), 1521 Circle av, Forest Park, Ill.
Warren Lubricant Co., 22 Maurice, Buffalo, N. Y.
Waverly Oil Works Co., 54th, Pittsburgh, Pa.

7619—Lubricants (Roller Bearing)

Dixon Jos. Crucible Co. ("Dixon's"), Monmouth, Jersey City, N. J.
Pigot Sayre Co., 29 B'way, New York
Royersford Fdry. & Mch. Co. ("Rollerine"), Royerford, Pa.
Texas Company, The, Dept. D, 17 Battery pl, New York
See adv index at end of book

7620—Lubricants (Solid, for Differential Gears)

Dixon Jos. Crucible Co. ("Dixon's"), Monmouth, Jersey City, N. J.
Superior Flake Graphite Co., 76 W Monroe, Chicago, Ill.
Swain Lubricator Co., 443 W 37th, Chicago, Ill.
Texas Company, The, Dept. D, 17 Battery pl, New York
See adv index at end of book

Lubricants (Wire Rope)

See Wire Rope Coating & Lubricant

7621—Lubricating Oils & Greases

ARIZONA.

PHOENIX—Pennzoil Co.

ARKANSAS.

LITTLE ROCK—Gay Oil Co.

CALIFORNIA.

BAKERSFIELD—Pennzoil Co.
Producers Refining Co. ("Visco")
BERKELEY—Monarch Diamond Oil Co. ("Monarch Diamond"), 1284 Delaware
FRESNO—Pennzoil Co.
LOS ANGELES—Hercules Gasoline Co., 2411 E 30th
Jameson Oil Co. ("Pennaffin"), 2501 E 28th
Kelmet Co. ("Kelmet" and "Bull Dog"), 445 E 3rd
New York Lubricating Oil Co., 723 E 1st
Pacific Coast Beef & Provision Co. (Animal Oils & Greases)
Pennant Oil & Grease Co. ("Pennant" & "Speed Ol," Dlrs.), 2414 Santa Fe av
Pennzoil Co. ("Pennzoil"), 2626 Santa Fe av
Union Oil Co. of Cal., Union Oil bldg
Ventura Refining Co., 458 S Spring, Los Angeles, Cal.
Vernon Oil Refining Co. ("Speedway"), 2500 E 26th, Los Angeles, Cal.
Warren & Bailey Co. (Oils), 214 E 3rd
Warren Oil Co. ("Warren" Brand & "A. B. C."), 424 Commercial
OAKLAND—Pennzoil Co., Powell & Emeryville
OXNARD—Sierra Oil & Refining Co.
SAN FRANCISCO—Associated Oil Co. ("Cycol"), 79 New Montgomery
Capitol Refining Co., 343 Sansome
Castolene, Inc. ("Castolene"), 798 Minnesota
Continental Petroleum Co., Sharon bldg
Eastern Lubricants Co. ("Elco"), 20th & Minnesota, San Francisco, Cal.
Ensign Oil Co. ("Ensign"), 284 Perry
Halstead Specialties Co. ("Spring Eez" & "Wear Eez"), 503 Market
Hi-Test Lubricant Co. ("Merlo Hi-Test"), 333 Folsom
McGuffick J. R. & Co. (Oils), 148 Stewart
Master Refining Co. ("Master Oils"), Hobart bldg
Nason R. N. & Co., 151 Potrero av
New York Lubricating Oil Co., 947 Brennan
Shell Co. of Cal., 343 Sansome
Standard Oil Co. ("Calol," "Diesel," "Emerald," "Boiler," "Oronite," "Standard"), 225 Bush
Swan & Finch Co. of Cal., 800 Minnesota

COLORADO.

DENVER—Continental Oil Co., Continental Oil bldg
Texas Company, The ("Texaco"), Dept. D, Foster bldg
See adv index at end of book

CONNECTICUT.

HARTFORD—Post & Lester Co. ('Lubro Visco"), 112 Allyn
Sweet C. F. ("Mercedes," "Climax"), 151 Retreat
WILLIMANTIC—Buck E. A. & Co. (Cylinder Oils, Steam), Dept. H

FLORIDA.

JACKSONVILLE—Texas Company, The ("Texaco"), Dept. D
See adv index at end of book

GEORGIA.

ATLANTA—Reed Oil Co. ("Reed" Cylinder Grease)
Texas Company, The ("Texaco"), Dept. D, Peachtree bldg, Peachtree & Baker, P. O. Box 1722
See adv index at end of book
AUGUSTA—Peoples Oil Co.

ILLINOIS.

CHICAGO—Ajax Lubricating Co., 108 S La Salle
Besley Chas. H. & Co. ("Helmet" Oil), 120 N Clinton. Works: Beloit, Wis.
Calumet Refining Co., 4323 S Western blvd
Chicago Engineer Supply Co., 68 W Lake
Collins W. P. & Co., 2619 Mary
Crescent Linseed Oil Works (Natural Lubricating Oils), 927 Blackhawk
Crew Levick Co., 327 W Austin
Dearborn Chemical Company ("Dearborn"), 310 S Michigan av
Frazer Lubricator Co. ("Frazer"), 3921 Normal av
Jenkins Geo. R. & Co. (Engine, Cylinder, Dynamo & Machine Oils & Cup & Auto Greases, etc), 332 S Michigan av
Jewett & Sowers Oil Co., 633 W Pershing rd
Keystone Oil & Mfg. Co., 111 N Market
Kirk W. R. (Grease), 327 S La Salle
Magie Bros., 110 S Clinton
Miller Wm. P. Co. ("Victory," "American," "Shield" & "Universal"), 2316 S Wabash av
Morris & Co., W. S. Yards
Standard Oil Co., 910 S Michigan av
Star Oil Co., 348 Irving av
Stuart D. A. & Co., 2733 S Troy
Sullivan Oil Co., 413 Wells
Superior Flake Graphite Co., 76 W Monroe
Superior Oil & Supply Co., 1748 Wilmot av
Texas Company, The ("Texaco"), Dept. D, McCormick bldg
See adv index at end of book
Viscosity Oil Co., 1101 W 37th
Wilson & Co., Union Stock Yards
QUINCY—Richardson Lubricating Co. ("Supreme," "Keystone")
SPRINGFIELD—National Refining Co.

INDIANA.

EVANSVILLE—Evansville Oil Grease Co. Inc., Dept. H, 1900 Division
INDIANAPOLIS—Crescent Oil Co.
General Oil Works Co., A 14 Traction Terminal
National Refining Co., Oliver av & Harding

IOWA.

COUNCIL BLUFFS—Monarch Mfg. Co. ("Monamoile")
MARSHALLTOWN—Marshall Oil Co. of Iowa ("Rex" Ice Oil for Railroad Signals, etc.)

KANSAS.

CHANUTE—Kansas Co-operative Refining Co. (Petroleum Products)

KENTUCKY.

COVINGTON—Standard Oil Co. (of Kentucky)
LOUISVILLE—Standard Oil Co. (of Kentucky)

LOUISIANA.

NEW ORLEANS—Texas Company, The ("Texaco"), Dept. D, Baronne & Girod
See adv index at end of book

MAINE.

PORTLAND—Little & Coffin Oil Co. (Oil), Foot of Boyd

MARYLAND.

BALTIMORE—American Oil Co., American bldg
Baltimore Oil Co. (Jobbers), 106 High
Bragonier A. C. & Son (Oils), 343 N Calvert
Crescent Oil Co., 602 W Pratt
Crown Oil & Wax Co., Cor. Pratt & 8th
Hook Jacob W. & C. H. & Co., 3700 Bank
Hopkins Johns Oil Co. (Cylinder & Engine Oils, etc.), Stewart bldg
MacNeal Jas. B. & Co. (Engine, Machine & Cylinder Oils, etc.), Warner & Wooster
National Oil Co., Keyser bldg
Patapsco Oil & Grease Co., 109 Cheapside
Red "C" Oil Mfg. Co., Keyser bldg. Highway
Robinson Wm. C. & Son Co. ("Journal Compound," "Lubrantine," Grease, "Autoline" Cylinder, Engine, Spindle & Dynamo Oils, "Greoil," "Pittroil"), 32H South
Sherwood Bros., Garrett bldg

MASSACHUSETTS.

ATLANTIC—Bosson & Lane
BOSTON—Boston Oil & Gasoline Co., 8 India
Chesterton A. W. Co. ("Autoleum" Oils & Greases), 64 India
Crane L. M. & Co., 91 Oliver
Curry Bros. Oil Co., 253 Franklin
Eagle Oil & Supply Co. ("Eagleine"), 44 India
Economy Lubricating Co. (Improved Process "Economy" Grease), Dorrance & Temple, Charlestown 29
Hinds & Coon, 45 Purchase
Keystone Lubricating Co., 141 Milk
McLean-Jones Oil & Supply Co. ("Swastika" Inc.), 40 Court
Macomber Henry S. & Co., 150 Milk
Masury-Young Co. (Wool Oils, Lubricating Greases, etc), 76 Roland Chase
New England Oil Refining Co., 60 Federal
Patterson Lubricating Co. (Oils), 11 Storer
Robinson Wm. C. & Sons Co., 43 Commercial Wharf
Texas Company, The ("Texaco"), Dept. D, 201 Devonshire
See adv index at end of book
Underhay Oil Co., 73 Batterymarch
Vacuum Oil Co., 49 Federal
Valvoline Oil Co., 27 State
Wood W. A. Co., 373 Atlantic av
Young Frank L. Co. (Oils), 111 Purchase
CAMBRIDGE—Speare's, Alden Sons Co.
LYNN—Bradford Oil Co. Inc.
NEW BEDFORD—Nye Wm. F. (Oils Only)
Robinson W. A. & Co.
PALMER—Buck E. A. & Co. (Oils)
WORCESTER — White & Bagley Co. ("Royal Worcester," "Oilzum"), 100 Foster

MICHIGAN.

DETROIT—Pattison Oil Co. (Oils), 116 E Woodward
Wayne Soap Co. (Oils), Copeland & M. C. R. R.
White Star Refining Co. (Machine Tool & Press Room Lubrication), Avery & Grand Trunk R. R.
JACKSON—American Oil Corp. ("Amoilco." "Anti-Carbon")
Auto Oil Co.
PORT HURON—Acheson Oildag Co.
Stock G. B. Xylite Grease & Oil Co.
SAGINAW—U. S. Graphite Co.

MINNESOTA.

MINNEAPOLIS—Durkee-Atwood Co. ("Rie Nie"), 40 Wilder
Kunz Oil Co., 12 Wilder
Pure Oil Co. ("Puritan" Motor & Hard), 1st & 13th, av S.
Twin City Oil Co. (Oils & Greases), 210 N 1st
Van Tilburg Oil Co. ("Wang"), 2424 University av, S E

MISSOURI.

KANSAS CITY—Kansas Co-operative Refining Co. (Petroleum Products), Mutual Oil Co., Mutual bldg
ST. LOUIS—Crescent Oil & Supply Co. (Oils), 303 N Levee
Dixon Joseph Crucible Co. (of Jersey City, N. J.), Victoria bldg
McGuire Nat. L. Oil & Supply Co., 2924 Locust
Matthews Geo. T. & Co. (Oils), 318 N Commercial
Mound City Oil & Supply Co. ("M-C"), 204 N Commercial
Pierce Oil Corp, Bank of Com. bldg
St. Louis Oil Co., 2921 N Bury
Street J. D. & Co. ("Ruby"), 41st & Pk

MONTANA.

BILLINGS—Texas Company, The ("Texaco"), Dept. D, P. O. Box 1303, Stapleton bldg
See adv index at end of book

NEBRASKA.

OMAHA—Nicholas L. V. Oil Co.
Texas Company, The ("Texaco"), Dept. D, W. O. W. bldg
See adv index at end of book

NEW JERSEY.

BAYONNE—Duryea Mfg. Co.
CAMDEN — Camden Chem. Mfg. Co. ("Greyhound" Combination), 1800 Mickle
Hollingshead R. M. Co. ("Whiz," "Hollingshead" Machine, Harvester, Engine, etc.)
Pittsburgh & Philadelphia Oil & Refining Co.
JERSEY CITY—Anchor Refining Co., 82 Woodroad
Dixon Joseph Crucible Co.
Hudson Oil & Supply Co., 49 Hudson
NEWARK—American Oil & Supply Co., 238 Wilson av
Fiske Bros. Refining Co. ("Lubroleine"), 76 Esther
National Oil & Sup. Co. ("Viscos"), 180 Freigysen av
Pure Oil Co., 423 Passaic av
Sheppard W. S. ("Ideal"), 21 Lawrence
Wire Rope Lubricating Co., 40 Clinton
Young Orlando W. (Young's), 33 Ross
RAHWAY—Three-In-One Oil Co. (See New York)
RIDGEWOOD—Ever-Ready Oil Co.
Van Winkle & Van Winkle "V. & V.")

NEW YORK.

ALBANY—Bleecker Wm. B. (Oil)
Higgins Robert J.
Sinclair Refining Co. ("Four Bros.")
BINGHAMTON—Binghamton Oil Refining Co.
Tiona Oil Co.
BINNEWATER—NICHOLS GEORGE W. (Everything in Oil & Greases)
BUFFALO—Buffalo Refining Co. (Cylinder & Engine Oils, Filtered Stock & "Niagara" Grease), 158 Pearl
Buffalo Specialty Co. ("Home" Oil), 375 Ellicott
Hosmer G. A. Co., 601 Northland av.
Ideal Oil Co., 931 Clinton
Warren Lubricant Co., 22 Mansico ("Spermo," Consistency," "Perfecto," "Sanderson")
CORTLAND—Cortland Specialty Co. (Dlrs., Oils & Cup Greases)

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Columbia Refining Co. ("Royal" Cup Grease, "K. A. C.," Auto), 90 West
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Cook's Adam Sons ("Albany" & "Cook's" Grease & Cylinder Oil)
Corning Arthur W., 321 Pearl
Craycroft Oil Co., 42 B'way
Dingee M. H. & Co., 254 Water
Eagle Lubricating Oil Co., 38 Pearl
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Gallaway G. W. ("Velocity"), 52 Ferry
Graphoil Lubricating Co. ("Graphoil"), 71 Clymer, B'klyn
Haggerty Refining Co. ("Thermo," "Reliance," "Thermoline"), 50 South
Harris, A. W. & Co. ("Acme," "Champion," "Empire," "Eureka," "Excelsior," "Globe," "Imperial Star." "Red Star," "Victor"), 17 Battery pl
Haws Geo. A. ("Marnile," "Peerless," "Panhard"), 395 B'way
Henle S., Inc., 8 Bridge
Hewlett Bros., 32 Front
Hudson Oil Co., 149 B'way
Ilsley, Doubleday & Co., 229 Front
Indian Refining Co. ("Sunset," "Champion," "Havoline" Automobile Oil), 244 Madison av
Invader Oil Co. ("Invader," "I. O. C."), 342 Madison av
Interocean Oil Co., 90 West
Kanter R. J. Co. ("Horseline" & "E & K"), 647 Water
Kellogg, E. H. & Co. ("Anti-Corrosie," Cylinder, Dynamo & Spindle, Oils, etc), 659 Water
Kuhne-Libby Co., 51 Front
Marden, Orth & Hastings Co., 136 Liberty
Miller Frank Co., 349 W 26th
National Oil Co. (Jobbers) ("Royal"), 17 Battery pl
New York Lubricating Oil Co., 116 Broad
N. Y. & N. J. Lubricant Co. ("Non-Fluid"), 401 B'way
Oil & Grease Co. ("O. & G."), 65 B'way
Pennsylvania & Delaware Oil Co. (Cylinder & Engine Oils, etc), 90 West
Petroleum Products Co., 51 Front
Pigot Sayre Co. ("Aurora"), 29 B'way
Prudential Oil Co., Inc. (Jobbers), 110 William
Quimby J. L. & Co., 278 Water
Reliance Oil & Grease Co., 50 South
Remington Arms Company, Inc. ("Remoil," "Para-vaseline" for cleaning guns & revolvers), 233 B'way
Schilling, Frederick ("Paramount"), 617 Greenwich
Sharpe & Co. (Dealer), 51 Front
Sonneborn's L. Sons ("Amalie." All kinds of Oils & Greases), 114 5th av
Speares Alden Sons Co., 25 W 42d
Standard Oil Co. of N. J. ("Polarine"), 26 B'way, New York
Standard Oil Co. of N. Y. ("Capitol," Cylinder & "Renown," Engine Oils, Petroleum Lubricants & "Arctic" Grease, "Polarine," Oils & Greases), 555 W 25th
Stoddard Oil Co. (Jobbers), 17 Battery pl
Strong Machinery & Supply Co. ("Ez-EE Slip"), 292-294 Church
See adv index at end of book
Swan Alden S. & Co., 148H Front
Swan & Finch Co. ("Cascade," "Bayway," "Excelsior," "Eagle," "Cataract," "Calypsal," "Victor," "Monarch," "Seba," "Tiger," "Petro," "Atlas"), 522 5th av

(Continued on following page)

TEXACO

HIGH GRADE **Petroleum Products** UNIFORM QUALITY

Gasoline
Kerosene
Gas Oil
Pale Oils
Red Oils
Black Oil
Spindle Oils
Floor Oils
Machine Oils

Motor Oils
Dynamo Oils
Engine Oils
Cylinder Oils
Cylinder Stocks
Car Oils
Railway Lubricants
Greases
Cup Greases
Axle Greases

Gear Greases
Gear Lubricants
Wire Rope Lubricants
Miners Oil
Waxes
Signal Oils
Diesel Fuels
Bunker Oils
Fuel Oils

Road Oils
Asphalts
Asphalt Cement
Asphalt Cold Patch for Pavements
Pipe Coating
Roofing
Roofing Shingles
Roofing Cement

There's a Texaco Lubricant for Every Purpose

THE TEXAS COMPANY

Dept. D **17 Battery Place, New York City**

Offices in Principal Cities the World Over

Lubricating Oils & Greases—Cont.

NEW YORK—NEW YORK—Continued

TEXAS COMPANY, THE (There's a "Texaco" Lubricant for Every Purpose), Dept. D, 17 Battery pl
See adv index at end of book
Three-In-One Oil Co. ("Three-in-One") 165 B'way
Tidewater Oil Co., 11 B'way
Union Excelsior Lubricating Co., 229 Front
Vacuum Oil Co., ("Mobiloil," "Gargoyle," "Mobilubricant"), 61 B'way
Valvoline Oil Co. ("Valvoline," "Magnet"), 165 B'way
Wakefield C. C. & Co., Ltd., 74 Cortlandt
Warren Lubricant Co., 27 Coenties Slip
Winn Wm. R., 488 Cherry
Wolverine Lubricants Co. of New York "Wolf's Head"), 44 Whitehall
Woolley G. C. Co. ("Runwell" Oils), 524 E 20th

Borough of Queens.

LONG ISLAND CITY—Pan-O-Lite Grease & Oil Co. ("Excelsior"), 298 Hancock

(End of New York City)

NIAGARA FALLS—Acheson Graphite Co. ("Gredag" & "Acheson" Graphite & Graphite Lubricants)
Acheson Oildag Co. ("Oildag" & "Aquadag")
NORTH TONAWANDA—Frontier Mfg. Co. ("Top"), Dept. H
OLEAN—Perfection Oil Co.
ROCHESTER—Hayner Norman C. Co. ("No-Set-O" Cylinder, Engine & Dynamo Oils, etc.)
Sterling Oil Co.
Union Oil Works
Vacuum Oil Co. ("Mobiloil" "Gargoyle" "Mobilubricants")
ROME—Baum's Castorine Co.
SYRACUSE—Mills C. E. Oil Co.
WATERFORD—Petroleo Co.

OHIO.

BEDFORD—Franklin Oil & Gas Co. (Cylinder & Engine Oils)
CINCINNATI—American Oil Treating & Hardening Co., June & Long
Cincinnati Oil Works Co., 525 Eggleston av
Evans Oil Works, York & McLean
Moore Oil Co. (Solid Lubricants & Special Greases, for Jobbing Trade Only), York & McLean av
Paragon Refining Co., 3222 Beekman
Valvoline Oil Co. ("Valvoline," "Mobiloil"), 1761 Elmore Cumville
Wagner C. P. & Co. (Cylinder, Engine, Dynamo, etc), 917 Paradrome
CLEVELAND—Atlas Oil Co., Rose bldg
Brooks Oil Co., C. & P. & Erie R. R.
Canfield Oil Co. (Petroleum Products, 3210 E 55th
Carran Lewis C. Co., Rockefeller bldg
Clark Fred G. Co. (Wholesale Trade Only), 1081 W 11th
Climax Refining Co. ("Velvetine"), Williamson bldg
Crown Oil Co., 6222 Walworth av, N W
Cummer Products Co., 2150 W 15th
Damascus Mfg. Co., Cassins av
Dietrichs Valve-Oleum Oil Co., 1252 W 70th
Ensign Refining Co., 10703 Quebec av, S E
Fairfax Refining Co., 9420 Meach
Globe Refining Co. ("Globe," Solid Oil), 934 Rose bldg
Great Western Oil Co. (Auto & Engine Oils, etc.), 2846 E 37th
Kingsley H. B. ("Sealine" Oils & Cup Greases), 325 St. Clair av, N W
Manufacturers' Oil & Grease Co., Century bldg
Middle States Oil Co., B. of L. E. bldg
National Refining Co. (Petroleum Products), National bldg
Northern Chemical Co. ("Lubricene")
Phoenix Oil Co. ("R. M. C. C."), 2554 W 5th
Plomo Specialty Mfg. Co., Belmont bldg
Puritan Oil Co. ("Puritan," "Aero" & "Packard"), 1244 W 70th
Standard Oil Co. of Ohio ("Eldorado" Engine, "Standard" Gas Engine, "Mobilubricant," etc), E Ohio Gas bldg
Stevens Grease & Oil Co., E 79th & Avrina av
Tropical Paint & Oil Co. ("Cyclone" Cylinder & Engine), W 70th
Universal Lubricating Co. ("Tulle" Lubricants for Elevator Slides, Sheaves, Engine Room, etc), Schofield bldg
Warren Refining Co., 9420 Meech av
Whitmore Mfg. Co. ("Whitmore's" Gear Protective Composition, "Whitmore's" Journal Oil), Iron & Erie Ry.)
COLUMBUS—Ironsides Co., Dept. H
Ohio Cities Gas Co. (Oil Refiners)
EAST LIVERPOOL—Williams S. C. & Co. (Oils)
HAMILTON—Smith E. A.
LOUDONVILLE—Ohio Grease Co. ("Ohio," "Triangle" Cylinder Cup, Bearing & Journal Grease)
MANSFIELD—Independent Oil Co.
TOLEDO—Craig Oil Co.
Electric Refining Co.
Hardy & Dischinger Co.
Monarch Mfg. Co. ("Channelene" Grease), Ironville
Paragon Refining Co. (Cylinder Valve & Engine Oils & Grease & Lubricating Compounds)
Sun Co. (Engine & Cylinder Oils & Greases)

OKLAHOMA

OKLAHOMA CITY—Texas Company, The ("Texaco"), Dept. D
See adv index at end of book
TULSA—Sapulpa Refining Co.

PENNSYLVANIA.

ALLENTOWN—Gossler Oil Co. (Oils & Greases), 24 S 8th
BRADFORD—Emery Mfg. Co. (Steam Refined Cylinder Stock)
Journal Oil Co.
Kendall Refining Co. (Steam Refined Cylinder Stocks, etc.)
Sloan & Zook
CLARENDON—Clarendon Refining Co.
EMLENTON — Emlenton Refining Co. (Cylinder Engine, Spindle, Dynamo, etc.)
Sterling Oil Co.
ERIE—Erie Oil Co.
Penn. Oil Co.
Union Oil Works
United Oil Mfg. Co.
FERNWOOD—Modoc Company ("Modoc" Journal Lubricant & Gear Grease)
FRANKLIN—Foco Oil Co. (Jobbers)
Franklin Oil Wks
Franklin Quality Refining Co.
Galena Signal Oil Co. (Coach, Engine & Car Oils, "Perfection" Valve & Signal Oils)
Marwin Mfg. Co. (Ltd.), (Autolene)
FREEDOM—Freedom Oil Works Co. (Refiners of Machinery Oils, etc)
NORTH CLAREDON—Smith Levi Refining Co.

OIL CITY—Continental Refining Co.
Crystal Oil Works (Railroad Oils a Specialty
Empire Oil Works (Cylinder & Machy. Oils)
Independent Refining Co. Ltd. (Engine Dynamo Oils, etc.)
Oil & Refining Co.
Penn. American Refining Co. (Cylinder, Spindle, Engine, Valve Oils Only, etc.)
Penn. Oil & Supply Co. Ltd, (Petroleum Lubricants)
Pennzoil Co. ("Pennzoil")

PHILADELPHIA—Atlantic Refining Co. (Engine, Dynamo, Cylinder, Filtered & Steam Refined), 260 S Broad
Borne, Scrymser Co., Lafayette bldg
Brown D. P. & Co. (Oils & Greases, Jobbers), 264 N 4th
Crew Levick Co. ("Crew," "Levick," Automobile Oils), 219 N Broad, Phila., Pa.
Fergusson Alex. C. Jr., 474 Chestnut
See adv index at end of book
Houghton E. F. & Co. ("Cosmolubric" Oil, "Vim" Cylinder Oils, Lubricating Greases, etc), 240 W Somerset
Keystone Lubricating Co. ("Keystone" Greases & Compounds & Belt Greases), 21st & Clearfield
Loos & Dilworth, 134 S Front
Murray & Murray, 109 N Water
Penn. Petroleum & Supply Co. ("Primus"), 113 Pine
Philadelphia Grease Mfg. Co., 848 S Swanson
Pure Oil Co. ("Puro" Oils), Lafayette bldg
Skipton Valentine Co., 221 Arch
Smith Chas. K. & Co., 123 Arch
Stevenson Bro. & Co., 110 Race
Sun Co. (Petroleum Lubricants), Finance bldg
Sunlight Oil & Gasoline Co. (Cylinder & Lubricating Oils), 49th & Gray's av
Texas Company, The ("Texaco"), Dept. D, Widener bldg
See adv index at end of book
Walton F. S. Co. ("Zorozo," Grease, etc.), Orthodox & Dela.
Zurn O. F. Co. ("Peerless," "American," "Detroit," "Lardoleum" Greases), Broad & Lehigh av

PITTSBURGH—Duquesne Oil & Supply Co., 3300 Smallman
Eagle Lubricating Oil Co., 226 1st av
Gulf Refining Co. (Petroleum Products), Frick bldg, Annex
Miller's A. D. Sons Co. (Cylinder, Engine & Dynamo Oils & Cup, Journal, Belt & Sponge Greases), Columbus & Preble
Penna Lubricating Co., 34th & A. V. Ry.
Pittsburgh Oil Refining Co. (Cylinder, Spindle, etc)
Sun Co., 27th & Smallman
Waverly Oil Wks. (Engine & Cylinder Oils), 54th
Texas Company, The ("Texaco"), Dept. D, Chamber of Commerce bldg
See adv index at end of book
WAVERLY OIL WORKS CO. (Engine & Cylinder Oils), 54th & A. V. R. R.

READING—Ellis & Cummings Oil Works
SCRANTON—Maloney Oil & Mfg. Co.

TITUSVILLE—American Oil Works (Ltd.)
Frank Oil Co. (Oils)
Harris Oil & Grease Works (Gas Engine Cylinder Oils, etc)
Pennsylvania Paraffine Works

WARREN—Clarendon Refining Co.
Conewango Refining Co. (Oils Only)
Cornplanter Refining Division (Wholesale Oils)
Seneca Oil Works (Cylinder & Machinery Oils)
United Refining Co. (Oils)
Warren Refining Co. (Cylinder, Engine, etc)
Wilburine Oil Works (Ltd.), (Petroleum Lubricants)

RHODE ISLAND.

PAWTUCKET—Edmands Arthur B. Co. ("Crystalized Oil"), 180 Main
Perry Oil Co.

PROVIDENCE—American Oil Co., Dexter rd
American Supply Co., 135 Washington
Bush Chas. S. Co. (Oils & Greases), 224 Weybosset
Harris A. W. Oil Co. ("Harris"), 326 S Water

TEXAS.

DALLAS—Armstrong Packing Co.
Dallas Oil & Refining Co.
Texas Company, The ("Texaco"), Dept. D
See adv index at end of book

EL PASO—Texas Company, The ("Texaco"), Dept. D
See adv index at end of book

HOUSTON—Gulf Refining Co.
Texas Company, The ("Texaco"), Dept. D, The Texas Company bldg
See adv index at end of book

TEXAS CITY—Pierce Oil Corp.

UTAH.

SALT LAKE CITY—Texas Company, The ("Texaco"), Dept. D
See adv index at end of book
Utah Oil Refining Co. ("U" & "Vico")

VIRGINIA.

NORFOLK—Texas Company, The ("Texaco"), Dept. D, Olney rd & Granby
See adv index at end of book

WASHINGTON.

SEATTLE—Pacific Lubricating Co.
SPOKANE—Texas Company, The ("Texaco"), Dept. D, Old National Bank bldg
See adv index at end of book
United Supply Co., Madison & G. N. Tracks

WEST VIRGINIA.

PARKERSBURG—Zero Oil Co. ("Zero" Natural W. Va. Oils)

WISCONSIN.

BELOIT—Besly Chas. H. & Co. (See Chicago, Ill.)
MILWAUKEE—Halsted W. D. Oil Co., 320 E Water
Independent Oil & Grease Co., 268 S Water
Kramer W. J. Oil Co., 214 Reed
Magie E. E. Specialty Mfg. Co., 551 Wahl av
Peters Oil & Compound Co. (Oils & Greases), 356 Clinton
Wadham's Oil Co. ("Badger" & "600 K" Cylinder), 359 Clinton
OSHKOSH—Stroud-Doyle Co.
RACINE—Johnson S. C. & Son (Automobile Stop Squeak Oil)
WAUKESHA—Kent Lubricating Co.

7622—Lubricators (Air Brake)

LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Nathan Mfg. Co., 21 E 40th, New York
Powell Wm. Co., 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book

7623—Lubricators (Air Compressor)

See also Lubricators, Oil & Grease Cup; also Lubricators, Gas Engine

Automotive Lubricating Co. ("Hi-Power" Compressed Air), Lowe bldg, San Francisco, Cal.
Detroit Lubricator Co. ("Bullseye," "Stationary," "Zero"), 5938 Trumbull, Detroit, Mich.
LUNKENHEIMER CO. ("Banner," "Emblem," "Hercules" & Premier"), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
See adv index at end of book
McClure Electric Oiling System, 871 O'Farrel, San Francisco, Cal.
McCullough Lubricator Mfg. Co., 2636 Central av, Minneapolis, Minn.
See adv index at end of book
Michigan Lubricator Co., 3643 Beaubien, Detroit, Mich.
Nugent Wm. W. & Co., 416 N Hermitage, Chicago, Ill.
Powell Wm. Co., 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book

7624—Lubricators (Automobile)

See also Lubricators, Oil & Grease Cup; also Lubricators Force Feed

Bassick Co. ("Bassick"), 38 Austin, Bridgeport, Conn.
Bassick Mfg. Co. ("Alemite"), 2638 N Crawford, Chicago, Ill.
Bowen Products Corp., Divs.: Auburn, N. Y.; Detroit, Mich.; Cleveland, O.; Minneapolis, Minn.; Windsor, Ont., Can.
See adv index at end of book
Cleveland Machy. & Supply Co., Union bldg, Cleveland, O.
Hill-Smith Metal Goods Co. ("H. S."), 82 Brookline av, Boston, Mass.
Keystone Engineering Co. ("W. C. I."), 1442 S San Pedro, Los Angeles, Cal.
Lathan Auto Supply Co. ("Critz" High Press), 1456 Pine, San Francisco, Cal.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McClure Electric Oiling System, 871 O'Farrell, San Francisco, Cal.
Universal Automative Corp. (Oil Pump for Fords), 2462 1st av, S. Seattle, Wash.

7625— Lubricators (Candle)

For Shafting & Loose Pulleys, etc)

Faul Wm. J. Co. ("Positive"), 487 Broadway, New York
Swain Lubricator Co., 443 W 37th, Chicago, Ill.

7626—Lubricators (Car Journal)

Armstrong Oiler Co., Commonwealth Trust bldg, Phila., Pa.
St. Louis Car Co., 3000 N B'way, St. Louis, Mo.
Swain Lubricator Co., 443 W 37th, Chicago, Ill.

7627—*Lubricators (Electric Motor)

LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Waverly Oil Works Co., 54th & A. V. R. R., Pittsburgh, Pa.

7628—Lubricators (Elevator Guide)

Elevator Supplies Co. ("E. S."), Hoboken, N. J.
Knickerbocker Elevator Gate Co., 116 West, New York
McClure Electric Oiling System, 871 O'Farrell, San Francisco, Cal.
Swain Lubricator Co., 443 W 37th, Chicago, Ill.

7629-30—Lubricators (Engine, Brass, Etc.)

See also Lubricators, Various Kinds

Allen W. D. Mfg. Co. ("Republic"), 566 W Lake, Chicago, Ill.
Am. Injector Co., 1468 14th av, Detroit, Mich.
American Lubricator Co. ("Improved," "Perfection," "Reliable," "Crescent," "Keystone"), Summit & Wabash Ry., Detroit, Mich.
Detroit Lubricator Co. ("Detroit"), Detroit, Mich.
LUNKENHEIMER CO. ("Senior," "Junior," "Auxiliary," "Major"), Beekman & Waverly, Cincinnati, O.
See adv index at end of book
McClure Electric Oiling System, 871 O'Farrell, San Francisco, Cal.
McCord Radiator Mfg. Co. (Marine & Stationary Oil Engines), 2587 E Grand blvd, Detroit, Mich.
McCullough Lubricator Mfg. Co., 2636 Central av, Minneapolis, Minn.
See adv index at end of book
Manzel Bros Co., 315 Babcock, Buffalo, N. Y.
Michigan Lubricator Co. ("Michigan," "Cyclone," "Rural," "Grant," "Brownie" "Sprite," "Duke" Sight Feed, Gas, Gasoline & Steam Engine, Air Compressor, Steam Pipe), 3643 Beaubien, Detroit, Mich.
Nathan Mfg. Co. ("Max" Sight-Feed), 21 E 40th, New York
Nugent Wm. W. & Co., 416 N Hermitage, Chicago, Ill.
Ohio Injector Co. ("Chicago"), Wadsworth, O.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Penberthy Injector Co. ("Penberthy"), 1242 Holden av
Powell Wm. Co. ("Boson," "Middy," "Viking," "Vakum," "Trident," "Corsair," "Neptune," "Nestor," "Nymph," "Viaduct," "Vitray"), 2525 Spring Grove av, Cincinnati, Ohio
See adv index at end of book
Sherman H. B. Mfg. Co., Battle Creek, Mich.
Sherwood Mfg. Co., 1709 Elmwood, Buffalo, N. Y.
Star Brass Mfg. Co. ("Siebert"), 53 Oliver, Boston, Mass.
Williams D. T. Valve Co. ("Worthy," "Wonder"), Cincinnati, O.

7631—Lubricators (Force Feed)

Biddison Mfg. Co., Madison, Wis.
Detroit Lubricator Co. ("Detroit"), Detroit, Mich.
Greene, Tweed & Co. ("Multiplus" & "Rochester" Automatic), 109 Duane, New York
Hills-McCanna Co., 2025 Elston av, Chicago, Ill.
Interstate Machine Products Co., Rochester, N. Y.
Lidseen Gustav ("Lidseen" Positive Force Feed), 340 S Central, Chicago, Ill.
Locomotive Lubricator Co. ("Schlacks"), 2443 Sheffield av, Chicago, Ill.
Lonergan J. E. Co. ("Keystone," Hand), 211 Race, Phila., Pa.
LUNKENHEIMER CO. ("Marvel," "Invincible," "Alpha," "Universal"), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
See adv index at end of book
McClure Electric Oiling System, 871 O'Farrell, San Francisco, Cal.
McCord Radiator Mfg. Co., Inc. ("McCord" Motors, Engines, Pumps, etc.), 2587 E Grand blvd, Detroit, Mich.
McCullough Lubricator Mfg. Co., 2636 Central av, Minneapolis, Minn.
See adv index at end of book
Madison Kipp Corp. ("Kipp" Valveless), Madison, Wis.

(Continued on following page)

Lubricators (Force Feed)—Cont.

Manzel Bros. Co., 315 Babcock, Buffalo, N. Y.
Nugent Wm. W. & Co., 416 N Hermitage, Chicago, Ill.
Powell Wm. Co., 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Richmond Pressed Metal Works, Inc. ("Dake"), Stockton & 6th, Richmond, Va.
Sherwood Mfg. Co. ("Hart" Mechanical Oil Pumps for Traction Engines, Road Rollers, Drop Hammers, etc), 1709 Elmwood, Buffalo, N. Y.
Swain Lubricator Co., 443 W 37th, Chicago, Ill.

7632—Lubricators (Graphite)

Allen Crucible Co., 714 50th av, East Oakland, Cal.
American Safety Lamp & Mine Supply Co. ("Waters"), 1327 Capouse av, Scranton, Pa.
Carleton Co. ("Big Four" Cylinder), 27 Commercial av, Boston, Mass.
Detroit Lubricator Co. ("Detroit"), 5938 Trumbull, Detroit, Mich.
Lunkenheimer Co. ("Auxiliary"), Beekman & Waverly, Cincinnati, O.
See adv index at end of book
National Graphite Lubricator Co., Scranton, Pa.
Randall Graphite Product Corp. ("Randall" Graphite Sheet), 711H Fulton, Chicago, Ill.
Strong, Carlisle & Hammond Co. ("Randall," Sheet), 336-344 Frankfort av, N. W. Cleveland, O.
Swain Lubricator Co., 443 W 37th Chicago, Ill.

Lubricators (Grease & Oil Cup)

See Lubricators, Oil & Grease Cup

7633—Lubricators (Locomotive)

Detroit Lubricator Co. ("Detroit," "Bullseye"), 5938 Trumbull, Detroit, Mich.
Locomotive Lubricator Co. ("Schlacks"), 2443 Sheffield av, Chicago, Ill.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McClure Electric Oiling System, 871 O'Farrell, San Francisco, Cal.
McNab & Harlin Mfg. Co., Paterson, N. J.
Madison Kipp Corp., Madison, Wis.
Michigan Lubricator Co. (Stationary), 3643 Beaubien, Detroit, Mich.
Nathan Mfg. Co. ("Nathan," Double & Triple Sight-Feed & "Bull's Eye"), 21 E 40th, New York
Ohio Injector Co., 53 W Jackson, Chicago, Ill.
Powell Wm. Co., 2525 Spring Grove av, Cincinnati, Ohio
See adv index at end of book
Q. & C. Co. (Piston Rod), 90 West, New York
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.
Williams D. T. Valve Co., Cincinnati, O.

7634— Lubricators (Locomotive Box)

Detroit Lubricator Co. ("Bullseye Loc," "Stationary S. F.," "Zero S. F."), 5938 Trumbull, Detroit, Ohio
Powell Wm. Co., 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Venango Mfg. Co., Franklin, Pa.

Lubricators (Loose Pulley)

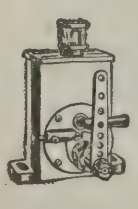
See Oilers, Loose Pulley

7634a—Lubricators (Mechanical)

Detroit Lubricator Co., 5938 Trumbull, Detroit, Mich.
McCullough Lubricator Mfg. Co., 2636 Central av, Minneapolis, Minn.
See adv index at end of book

The Practical Force Sight-Feed

OIL PUMP



A Force-Feed Lubricator possessed of all the advantages of a high priced machine, but sold at about the cost of a common brass lubricator.

Adjustable driving parts make it easy to attach to any make of engine, steam pump, compressor, etc.

McCULLOUGH LUBRICATOR MFG. CO.

2632 CENTRAL AVE. MINNEAPOLIS, MINN.

Sold by the Leading Supply Houses

7635—Lubricators (Multiple Oiling)

Bowser S. F. & Co., Dept. H, Fort Wayne, Ind.
Commonwealth Brass Wks., Detroit, Mich.
Detroit Lubricator Co. ("Detroit," "Genuine Detroit"), 5938 Trumbull, Detroit, Mich.
Essex G. B. Brass Co. ("Standard"), 480 Franklin, Detroit, Mich.
Hall Mfg. Co. ("Bartow"), Harrison, N. J.
Lonergan J. E. Co., 211 Race, Phila., Pa.
LUNKENHEIMER CO., ("Paragon Duplex," "Paragon Triplex," "Marvel" & "Invincible"), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McClure Electric Oiling System, 871 O'Farrell, San Francisco, Cal.
Madison Kipp Corp., Madison, Wis.
Michigan Lubricator Co., 3643 Bleubien, Detroit, Mich.
Nugent Wm. W. & Co., 416 N Hermitage, Chicago, Ill.
Powell Wm. Co., Cincinnati, O.
See adv index at end of book
Richardson-Phenix Co. ("R. P."), 131 2nd, Milwaukee, Wis.
Sherwood Manufacturing Co., 1709 Elmwood, Buffalo, N. Y.
Wilkinson W. H. Co., Inc., West Medway, Mass.

7636—Lubricators (Oil Pump)

Am. Injector Co., 1460 14th av, Detroit, Mich.
American Lubricator Co. ("Ideal" Glass Body & "Superior," all Brass), Summit & Wabash Ry, Detroit, Mich.
Atlas Brass Foundry Co., 980 Park, Columbus, O.
Bowen Products Corp., Divs.: Auburn, N. Y.; Detroit, Mich.; Cleveland, O.; Minneapolis, Minn.; Windsor, Ont., Can.
See adv index at end of book
BURT MFG. CO., 40 Main, Akron, O.
See adv index at end of book
Chicago Steel Tank Co., Cicero, Ill.
Cincinnati Lubricant Pump Co. ("Fulflo"), Blanchester, O.
Detroit Lubricator Co. ("Bullseye" & "Zero"), 5938 Trumbull, Detroit, Mich.
Detroit Shipbuilding Co., ft. Orleans, Detroit, Mich.
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Essex G. B. Brass Co., 480 Franklin, Detroit, Mich.
Fulflo Specialties Co. ("Fulflo"), Blauchester, Ohio
Greene, Tweed & Co., 109 Duane, New York
Hills, McCanna Co., 153 W. Kinzie, Chicago, Ill.
Jarecki Mfg. Co., Erie, Pa., & Pittsburgh, Pa.
Lonergan J. E. Co. ("Calumet & Hecla" Pattern, etc.), 211 Race, Phila., Pa.
LUNKENHEIMER CO. ("Alpha," "Universal," "Marvel," & "Invincible"), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
See adv index at end of book
McCULLOUGH LUBRICATOR MFG. CO., 2636 Central av, Minneapolis, Minn.
See adv index at end of book
Madison Kipp Corp. ("Kipp" Valveless), Madison, Wis.
Manzel Bros. Co. ("Manzel" Sight Feed Automatic), 315 Babcock, Buffalo, N.Y.
Michigan Lubricator Co. ("Michigan"), 3643 Bleubien, Detroit, Mich.
Michigan Machine Co., 951 Porter, Detroit, Mich.
Nathan Mfg. Co. (Hand Cylinder, etc.), 21 E 40th, New York
Nugent Wm. W. & Co., 416 N Hermitage, Chicago, Ill.
Pedersen Lubricator Co., 636 First av, New York
Penberthy Injector Co., 1242 Holden av, Detroit, Mich.
Powell Wm. Co. ("Cadet," "Pennant," "Beacon"), 2525 Spring Grove av, Cincinnati, O.
Sherwood Mfg. Co. ("Buffalo," "Felthousen" Cylinder, Mechanical & "Hart" Mechanical Sight Feed), 1709 Elmwood, Buffalo, N. Y.
Stahl Mfg. Co. ("Stahl's" Conical Base Grease Cups), 983 17th av, S E Minneapolis, Minn.
Star Brass Mfg. Co. ("Thompson"), 53 Oliver, Boston, Mass.
Tokheim John J., Cedar Rapids, Ia.
Trahern Pump Co. (Rotary), Rockford, Ill.
Williams D. T., Valve Co. ("Walrus"), Cincinnati, O.

7637-8—Lubricators (Oil & Grease Cup)

Agnes Raymond C. Co., Burlington, Wis.
ALLEN W. D. MFG. CO. ("Columbia," "Peerless," "Dixie," "Arctic," "Reliable," "Golden Rule"), 201-211 N Jefferson, Chicago, Ill.
See adv index at end of book



W. D. **ALLEN** MFG. CO.

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Grease & Oil **CUPS**

Samples on Request

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CHICAGO

American Injector Co. (Glass Oil Cups, Brass Grease Cups; also Compression Grease Cups, Moon Automatic), 1468 14th av, Detroit, Mich.
American Lubricator Co. ("Pearl," "Banner," "Bessemer," "Admiral," "Acme," "Navy," "Model," Glass Body for Oil, "Lion," "Challenge," "Art," all Brass for Grease), Summit & Wabash Ry., Detroit, Mich.
AMERICAN SAFETY LAMP & MINE SUPPLY CO., 1327 Capouse av, Scranton, Pa.
American Stamping Co. ("American" Steel, Brass, Plain & Ratchet), Battle Creek, Mich.
Bassick Co., 38 Austin, Bridgeport, Conn. Line of Brass & Steel Grease Cups,
BAY STATE STAMPING CO. ("Bennett Handy"), 380 Chandler, Worcester, Mass. *See adv index at end of book*
BOWEN PRODUCTS CORP. ("Winkley" Brass, Steel & Combination. "Empress" **Line of Brass and Steel Grease Cups. Plain** Compression, Leather Packed, Ratchet Compression, Marine Compression, Spring Compression & Funnel Shafting Cups), Divs.: Auburn, N. Y.; Detroit, Mich.; Cleveland, O.; Minneapolis, Minn.; Windsor, Ont., Can.
See adv index at end of book
Buckeye Iron & Brass Works (Oil Cups Only), Dayton, O.
Byrne, Kingston & Co. ("Kingston"), Kokomo, Ind.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
CRANE CO., 836 Michigan av, Chicago, Ill.
See adv index at end of book
Creamery Package Mfg. Co., 61 W Kinzie, Chicago, Ill.
Crescent Oil & Supply Co. ("Babcock & Kelley"), 303 N Level, St. Louis, Mo.
Dawson Mfg. Co. (Self-Aligning), 2012 Larrabee, Chicago, Ill.
Detroit Lubricator Co. ("Detroit"), 5938 Trumbull, Detroit, Mich.
Detroit Shipbuilding Co. (Brass "McCoy," "Erie," "Huron," "Majestic," "Quaker," "Kirby," "Perfection," "Superior," "Eagle' & "Mutual"), ft. Orleans, Detroit, Mich.
Edelman E. & Co., 2332 Logan blvd, Chicago, Ill.
Edna Brass Mfg. Co. (Oil Cups Only), Cincinnati, O.
Essex G. B. Brass Co., 480 Franklin, Detroit, Mich.
Fanner Mfg. Co. (Grease Cups), Cleveland, Ohio
Flannery Bolt Co., Vanadium bldg, Pittsburgh, Pa.
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Gits Bros. Mfg. & Spec. Co. ("Gits" Spring Hinge Oil Cups), 1901 S Kilbourn, Chicago, Ill.
GODFREY-KEELER CO., 70 Warren, New York
Hall Mfg. Co. ("Hall's"), Harrison, N. J.
Hancock Mfg. Co., Charlotte, Mich.
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Henry Mfg. & Grease Cup Co. ("Henry" Grease Cups), Terre Haute, Ind.
Hunter Pressed Steel Co. ("Airspring," "Hunter," "Shurflo," "Rotary"), 200 Pierce, Lansdale, Pa.
See adv index at end of book



AIRSPRING

Compressed Air

GREASE CUPS

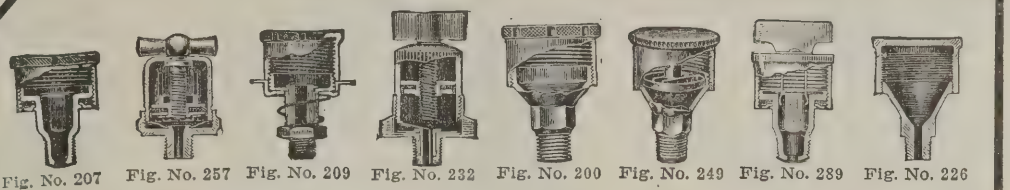
Automatic, simple, positive in action and adapted for every service. Booklet free.

Hunter Pressed Steel Co.

200 Pierce Street, Lansdale, Pa.

Kay, Chas. ("Kay"), 5073 Burns av, Detroit, Mich.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Kinsey & Mahler Co. (Brass), Peoria, Ill.
Lindholm Metal Stamping Co. ("McKee"), "Lindholm," "Vale," "Camden," "Maderia" Drawn Metal Grease Cups), 107 Erie, Camden, N. J.




Fig. No. 207 Fig. No. 257 Fig. No. 209 Fig. No. 232 Fig. No. 200 Fig. No. 249 Fig. No. 289 Fig. No. 226

EMPRESS
GREASE AND OIL CUPS
DESIGNED FOR EVERY PURPOSE
Made from BRASS and STEEL
Write for Catalog "X"
BOWEN PRODUCTS CORP.
Auburn Div., Auburn, N. Y. Winkley Div., Detroit, Mich.
Cleveland Div., Cleveland, O. Minneapolis Div., Minneapolis, Minn.
Canadian Factory, Canadian Winkley Co., Ltd., Windsor, Ont.


Fig. No. 116


Fig. No. 118


Fig. No. 54


Fig. No. 50


Fig. No. 56


Fig. No. 52


Fig. No. 74


Fig. No. 51


Fig. No. 55


Fig. No. 60


Fig. No. 53


Fig. No. 287


Fig. No. 218


Fig. No. 214


Fig. No. 215


Fig. No. 233

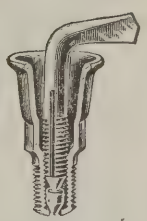

Fig. No. 117


Fig. No. 12-D


Fig. No. 72


Fig. No. 5739

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

Link Mfg. Co. (Grease cup only), 17th & Cleveland, Kansas City, Mo.

Livermore Homer F., Inc., 85 Pearl, Boston, Mass.

Lonergan Jas. E. Co., 211 Race, Phila., Pa.

LUNKENHEIMER CO. ("Cardinal," "Pioneer," "Sentinel," "Reserve," "Royal," "Champion," Oil Cups; "Ideal," "Lion," "Jewel," "Marine," "Tiger," "Gem," "Positive," "Apollo," "Owl," "Guard," "Atlas," "Majestic," "Primo," "Ferro," "Wingo" & "Securo" Grease Cups), Beekman & Waverly, Cincinnati, O.
See adv index at end of book

McClure Electric Oiling System, 871 O'Farrell, San Francisco, Cal.

McCullough Lubricator Mfg. Co., 2636 Central av, Minneapolis, Minn.
See adv index at end of book

McNab & Harlin Mfg. Co. ("Stauffer" Grease Cups, etc.), Paterson, N. J.

Madison-Kipp Co., Dept. H, Madison, Wis.

Merrill Co. ("Merco"), 121 2nd, San Francisco, Cal.

Merchant & Evans ("M. & E." Automobile Grease Cups), Washington av & 21st, Phila., Pa.

Michigan Lubricator Co. ("Michigan," "Common Sense," Marine Spring Compression, Loose Wire Crank Pin, "Reliable Plain," Kant-Leah), 3643 Beaubien, Detroit, Mich.

Milwaukee Valve Co. (Plain Brass Grease Cups), 139 Burrell, Milwaukee, Wis.

Nathan Mfg. Co. ("Nathan"), 21 E 40th, New York

National Brass Mfg. Co., Rochester, N. Y.

Newton Mfg. Corp. ("Newcup"), Plainville, Conn.
See adv index at end of book

Nunn Brass Works (Inc.), Rochester, N. Y.

Ohio Grease Co. ("Ohio Triangle"), Soudonville, Ohio.

Ohio Injector Co. ("Chicago"), Wadsworth, Ohio

Pedersen Lubricator Co., 636 First av, New York

Penberthy Injector Co. ("Penberthy," "Samson," "Saturn," "Silex," "Spring lock"), 1242 Holden av, Detroit, Mich.

Pioneer Brass Works, 1102 E 23rd, Indianapolis, Ind.

POWELL WM. CO. ("Parole," "Petrel," "Pilgrim," "Phoenix," "Planet," "Pinnacle," "Pointer," "Pluto," "Picket," "Puritan," "Polaris," "Penguin," "Signal" Oil Cups & "Coin," "Renown," "Bruno," "Bear," "Colonial," "Progress," "Popular," "Tiny," "Heather," "Thistle," "Sterling" Compression Grease Cups, "Mecca," "Mascot," "Mogul," "Mikado," Grease Cups, "Powell" Brass Oil Cups, "Mac," "Consort," "Vanguard"), 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book

Rich Mfg. Co., 370 Atlantic av, Boston, Mass.

Scott J. E. Corp. Co., Columbus, O.

Sherman H. B. Mfg. Co. ("Premium," "Active" Brass), Battle Creek, Mich.

Sherwood Mfg. Co. ("Buffalo," "Niagara" & "Sherwood"), 1709 Elmwood, Buffalo, N. Y.

Springfield Brass Co. (Brass), Springfield, Ohio

Stahl Mfg. Co. ("Stahl's" Conical Base Iron Brass & Steel Grease Cups), 983 17th av, S E Minneapolis, Minn.

Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.

Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.

Sterling Machine & Stamping Co. ("Sterling"), Wellington, O.

Swift Lubricator Co. ("IXL," "Sachem," "Star" & "Sancho," Glass & Brass Oil Cups & Compression Grease Cups), Elmira, N. Y.

Tucker W. H. & C. F. ("Tucker"), 516 Asylum, Hartford, Conn.

U. S. Metallic Packing Co., 221 N 13th, Phila., Pa.

Wadhams Oil Co. ("Wadhams" Grease Cups), 359 Clinton, Milwaukee, Wis.

Wahlstrom Tool Co. (Oil Cups), 5520 2d av, Brooklyn, N. Y.

Walworth Mfg. Co., 82H Pearl, Boston, Mass.

Wilkinson W. H. Co., West Medway, Mass.

Williams D. T., Valve Co. ("Tacoma," "Tremont," "Tarrant," "Temple," "Topaz," Tandem," "Automatic Needle Valve," "Dandy," "Duke," "Duchess," "Dragon," "Diamond," "Dakota," "Terrier," "Trophy," "Derby," "Diana," "Dwarf" & "Dixie"), Cincinnati, O.

7639—Lubricators (Rock Drill)

Ingersoll-Rand Co. ("Heart Beat"), 11 B'way, New York
See adv index at end of book

LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
See adv index at end of book

7640—Lubricators (Sight Feed)

American Lubricator Co. ("Perfection," "Reliable" & "Crescent," Glass Body), Summit & Wabash Ry., Detroit, Mich.

Commonwealth Brass Corp., 5781 Commonwealth av & Ry., Detroit, Mich.

Crane Co., 836 S Michigan av, Chicago, Ill. *See adv index at end of book*

Crescent Oil & Supply Co. ("Babcock" & "Kelly"), 303 N Level, St. Louis, Mo.

Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.

Detroit Lubricator Co. ("Detroit," "Zero"), 5938 Trumbull, Detroit, Mich.

Essex G. B. Brass Co. 480 Franklin, Detroit, Mich.

Flower Walter L. Co. ("Ashton"), St. Louis, Mo.

Hall Mfg. Co. ("Hall's," "Bartow's"), Harrison, N. J.

Handlan-Buck Mfg. Co. ("Dibble"), 210-14 N 3rd, St. Louis, Mo.

Jarecki Mfg. Co. ("Erie"), Erie, Pa.

Kelly & Jones Co. ("Westmoreland"), Greensburg, Pa.
See adv index at end of book

Lonergan J. E. Co., 211 Race, Phila., Pa.

LUNKENHEIMER CO. ("Senior," "Junior," "Major," "Colonel," "Auxiliary," "Premier," "Paragon," "Mars," "Paragon Duplex," "Paragon Triplex," "Banner," "Emblem," "Hercules," "Cupid," "Arctic," "Vulcan," "Beacon"), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
See adv index at end of book

McClure Electric Oiling System, 871 O'Farrell, San Francisco, Cal.

McCULLOUGH LUBRICATOR MFG. CO., 2636 Central av, Minneapolis, Minn.
See adv index at end of book

McNab & Harlin Mfg. Co. ("Boyden"), Paterson, N. J.

Madison Kipp Corp. ("Kipp" Valveless), Madison, Wis.

Manzel Bros. Co., 315 Babcock, Buffalo, N. Y.

Michigan Lubricator Co. ("Michigan," "Cyclone," "Rural," "Duke," "Giant," "Hot Stuff," "Pepper Pod," etc), 3643 Beaubien, Detroit, Mich.

Nathan Mfg. Co. ("Nathan"), 21 E 40th, New York

National Brass Mfg. Co., Rochester, N. Y.

Ohio Grease Co. ("Ohio" Grease), Lundonville, O.

Ohio Injector Co. ("Chicago," "Ohio"), Wadsworth, O.

(Continued on following page)

Lubricators (Sight Feed)—Cont.

Pittsburgh Brass Mfg. Co., Penn & 32nd, Pittsburgh, Pa.

Powell Wm. Co. ("Trojan," "Columbia," "Crescent," "Ensign," "Spartan"), 2525 Spring Grove av, Cincinnati, Ohio
See adv index at end of book

Rich Mfg. Co. ("Phillips"), 370 Atlantic av, Boston, Mass.

Sherman H. B. Mfg. Co., Battle Creek, Mich.

Sherwood Mfg. Co. ("Buffalo"), 1709 Elmwood, Buffalo, N. Y.

Star Brass Mfg. Co. ("Seibert"), 53 Oliver, Boston, Mass.

Swain Lubricator Co., 443 W 37th, Chicago, Ill.

Swift Lubricator Co., Elmira, N. Y.

Wilkinson W. H. Co., West Medway, Mass.

7641— Lubricators (Steam Engine)

Detroit Lubricator Co. ("Bullseye," "Stationary," "Zero"), 5938 Trumbull, Detroit, Mich.

LUNKENHEIMER CO. ("Senior," "Junior," "Graphite" & "Major"), Beekman & Waverly, Cincinnati, O.
See adv index at end of book

McClure Electric Oiling System, 871 O'Farrell, San Francisco, Cal.

McCord Radiator Mfg. Co., 2587 E Grand blvd, Detroit, Mich.

McCullough Lubricator Mfg. Co., 2636 Central av, Minneapolis, Minn.
See adv index at end of book

Madison Kipp Corp., Madison, Wis.

7642— Lubricators (Thread)

United Shoe Machinery Co. ("U. S. M. C.," Adapted to All Sewing Machines), 205 Lincoln, Boston, Mass.

7643— Lugs (Boiler)

Castle A. M. & Co. ("Drake-Castle" Pressed Steel), 1132 Blackhawk, Chicago, Ill.

KUTZTOWN FOUNDRY & MACHINE CO. (Cast Iron), 1421 Chestnut, Phila., Pa. *See adv index at end of book*

Lukens Steel Co., Coatesville, Pa.

Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*

Sanitary Co., Dept. H, Linfield, Pa.

Scully Steel & Iron Co. (Pressed Steel), 2364 S Ashland av, Chicago, Ill.

Tudor Boiler Mfg. Co., 715 E 3rd, Cincinnati, O.

Wickes Boiler Co., The (Pressed Steel), Saginaw, Mich.
See adv index at end of book

7644— Lugs (Hinge)

Gleason James & Co., 815 W Jackson blvd, Chicago, Ill.

Rieseck Iron Works (Wrought Steel for Steel Shutters), 1201 Metropolitan, Pittsburgh, Pa.

7645—Lugs (Rubber Covered)

Empire Tire & Rubber Co. ("Empire" for Motor Tires), Trenton, N. J.

7646— Lugs (Tank)

Ballard Drop Forge Co., 1145 W 46th, Seattle, Wash.

Bonney Forge & Tool Works, Tilghman, Allentown, Pa.

Baker Mfg. Co., Evansville, Wis.

Caldwell W. E. Co. ("Caldwell" Hoops, Lugs or Fasteners), Louisville, Ky.

EAGLE TANK CO., 2443 N Crawford av, Chicago
See adv index at end of book

Flint & Walling Mfg. Co., Kendallville, Ind.

Gillie Machine Co. (Round), Tonawanda, N. Y.

Gowanda Agricultural Works (Silo Lugs), Gowanda, N. Y.

ILLINOIS MALLEABLE IRON CO., 1801 Diversey, Pittsburgh, Pa.
See adv index at end of book

Imperial Bit & Snap Co., Racine, Wis.

Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.

Marion Malleable Iron Wks., 2300 W 9th, Marion, Ind.

National Malleable Castings Co., 7706 Platt av, S E Cleveland, O.

Pacific Tank & Pipe Co., 318 Market, San Francisco, Cal.

Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago

Snow T. W. Construction Co. ("Dupree"), 332 S La Salle, Chicago, Ill.

Stowell Co. The, S. Milwaukee, Wis.

Tecktonius E. C. Mfg. Co. (Malleable Iron, Also Kiln & Silo), Racine, Wis.

Wilmington Malleable Iron Works of Eastern Malleable Iron Co. (Also Silo), Wilmington, Del.

7647— Lugs (Terminal)

American Pin Co., Waterbury, Conn.

Barkelew Electric Mfg. Co., Middletown, Ohio

Condit Electrical Mfg. Co. ("Shawmut"), 842 Summer, Boston, Mass.

Connecticut Electric Mfg. Co. (Cast Copper), Bridgeport, Conn.

Crouse-Hinds Co., Syracuse, N. Y.

Cutter George Co., South Bend, Ind.

Dossert & Co., 242 W 41st, New York

Eby H. H. Mfg. Co., 40 S 7th, Phila., Pa.

Electrical Engineers Equipment Co., 711 Meridian, Chicago, Ill.

Electrical Mfg. Co., 4149 E. 79th, Cleveland, O.

Fargo Mfg. Co., Poughkeepsie, N. Y.

Frankel Connector Co., 177 Hudson, New York

French Mfg. Co., Waterbury, Conn.

General Devices & Fittings Co., 803 W Madison, Chicago, Ill.

Livermore H. F. Co., Cummington, Boston, Mass.

Manhattan Electrical Supply Co., 17 Park pl, New York

Metropolitan Device Corp., 1250 Atlantic av, Brooklyn, N. Y.

Metropolitan Electric Mfg. Co., 14th, Long Island City, N. Y.

Multi Electrical Mfg. Co. ("Multi" Soldering), 1848 W 14th, Chicago, Ill.

Patton MacGuyer Co., 31 Mathewson, Providence, R. I.

Pringle Electrical Mfg. Co., 1906 N 6th, Phila., Pa.

Sherman Mfg. Co., H. B., Battle Creek, Mich.

Trumbull Electric Mfg. Co., Plainville, Conn.

Trumbull-Vanderpoel Elec. Mfg. Co., Bantam, Conn.

Worcester Elec. Mfg. Co., 42 Lagrange, Worcester, Mass.

7648— Lumber

Star (*) denotes Manufacturers.

Dagger (†) denotes Inspectors & Shippers.

Section Mark (§) denotes Wholesale Dealers.

This is not an absolutely complete list of Lumber Manufacturers & Wholesalers. It is compiled for those who want to purchase lumber.

ALABAMA.

AKRON—Bonham Lumber Co. (Saw Mill)
Dent R. K. (Saw Mill)
Sharp W. N. & Sons (Saw Mill)

ALEXANDER CITY—*Alexander City Mfg. Co. (Cypress, Gum, Oak & Mfg. Co. (Cypress, Gum, Oak, Long & Short Leaf Pine)

ALICEVILLE—*Consolidated Planing Mill (Long & Short Pine)
*Sanders P. M. & Co.

ANDALUSIA—*Andalusia Mfg. Co. (Yellow Pine)

ANNISTON—*Henry Lbr. Co. (Cypress, Oak & Long & Short Leaf Pine)
*Little Lbr. Co. (Yellow Pine)
Lynch H. C. (Cypress, Oak & Yellow Pine)

ATMORE—*Carney W. M. Mill Co. (L. L. Yellow Pine)

AUTAUGAVILLE—*Whitewater Lumber Co.

BELLAMY—Allison Lumber Co. (Saw Mill)

BESSEMER—*Central Lbr. Co.

BIRMINGHAM—American Lumber & Export Co. (Yellow Pine)
Barnett Lumber Co.
*Birmingham Sash & Door Co. (Cypress, Oak & Pine)
*Estes Lbr. Co. (Cedar, Cypress, Oak & Yellow Pine)
†Iron City Lumber Co.
*§Jefferson Lumber Co.
*Jenkins Lumber Co. (Shingles, Lath & Planing Mill)
*Kaul Lumber Co. (Saw Mill, Yellow Pine, etc)
Standard Lumber Co.

BRANTLEY—*Bently Lumber Co.

BRENT—*Cahaba River Lumber Co.

BREWTON—*McDavid Veneer Co.
*Miller T. R. Mill Co.

BUHL—*Deal Lumber Co. (Saw & Planing Mill)

BURNSVILLE—Blessed G. A. Lumber Co. (Saw & Planing Mill)

CARBON HILL—Guthrie B. B. (Saw Mill)

CENTERVILLE—Belcher W. E. (Saw Mills)

CHAPMAN—*Smith W. T. Lumber Co. (Saw & Planing Mills)

COAL FIRE—*Deal-Curtis Lumber Co. (Saw & Planing Mills)

COFFEEVILLE—Nichols J. W. (Saw Mills)

COHASSET—*Foshee J. M. (Lumber & Saw Mill)

COXHEATH—*Coxheath Lumber Co. (Saw & Planing Mills)

CREOLA—Hatter T. A. & Son (Saw Mill)

CULLMAN—*Casper Arnold & Son (Yellow Pine)

ECLECTIC—*Speer Harris Lbr. Co. (Long & Short Leaf Pine)

EOLINE—Read D. A. (Saw Mills)

EUTAW—*Steel Planing Mill Co. (Cypress & Pine)

EVA—Stewart, Wiley (Saw Mill)

EVERGREEN—*Shoemaker J. M. & Son (Saw Mills)

FALCO—*McGowin-Foshee Lumber Co. (Saw & Planing Mill)

FAYETTE—*Brown W. P. & Sons Lumber Co. (Saw Mill)
Southern Lumber Co.

FERNBANK—McDaniel J. L. Saw Mills

FLORENCE—Muscle Shoals Lumber Co.
§Schiff W. J. Lbr. Co. (Saw & Planing Mills)

FORT PAYNE—*Stanley J. P. (Cypress & Pine)

FULTON—*Scotch Lumber Co. (Yellow Pine)

GADSDEN—*Southern Mfg. Co. (Cypress, Oak & Pine)

GENEVA—*Geneva Mill Co. (Saw & Planing Mills)

HUNTSVILLE—*Huntsville Lumber & Mfg. Co.

JASPER—§Cleveland Lbr. Co. (Saw & Planing Mill)

LAMISON—*Frost-Sibley Lumber Co.

LATHROP—*Lathrop Lumber Co. (Saw & Planing Mills)

LISMAN—*Kirkpatrick Lbr. Co. (Long & Short Leaf Pine)

LOCKHART—*Jackson Lumber Co. (Yellow Pine)

McSHAN—*Melrose Lumber Co. (Saw & Planing Mill)

MANCHESTER—*Manchester Sawmills

MOBILE—Hunter Benn & Co. (Exporters)
*Lindsey Lumber Export Co.
Mobile Sash & Door Co. (Cypress, Gum, Oak, Long & Short Leaf Pine)
§Paterson J. E. Lbr. Co., Inc.
*Robinson Land & Lumber Co. (Long Leaf Yellow Pine), Mills: Chicora, Miss.
*Sheip Jerome H., Inc. (Cigar Box Lumber)
*Turner F. C. Co. (Cypress, Oak, Long & Short Leaf Pine)
*Vaughan H. C. Lumber Co. (Planing Mill)

MONTGOMERY—*§Beatty & Sons
*Crampton Lbr. Co. (Cypress & Yellow Pine)
§Flowers E. P. & Co.
§Southern Pine Lumber Co. (Yellow Pine)
§Vesuvius Lumber Co.

MOUNDVILLE—Howell J. E. (Saw Mill)

MOUNT VERNON—Mobile River Sawmill Co. (Planing Mill)

NADAWAH—*Nadawah Lbr. Co. (Saw & Planing Mill)

OAK GROVE—*Davis M. L. (Yellow Pine)

PHOENIX—*Butts Lbr. Co. (Oak, Long & Short Leaf Pine)

PINE BELT—*Berry Reeves Lumber Co. (Planing Mill)

POLEY—*Miller Brent Lumber Co.

PRENTICE—*King Lumber Co.

REFORM—Harper M. I. (Saw Mill)
*Holiday Lumber Co.
Jennings J. B. (Saw & Planing Mill)
Jones Lumber Co. (Saw Mill)

RIVER FALLS—§Horse Shoe Lumber Co. (Saw & Planing Mill)

ROANOKE—*Kirk W. S. (Yellow Pine)

SAWYERVILLE—*Brownlee-Lowry Co.

SELMA—*Dallas Lbr. & Mfg. Co. (Oak, Yellow, Long, Short Leaf & Southern Pine)
*Hilgard Lbr. Co. (Cedar, Oak, Long & Short Leaf, N. C., White & Western Pine)
*§Reid Lumber Co.

SHORTLEAF—*Mitchell W. G. Lumber Co.
*Wittel E. S. & Son

SILAS—*Choctaw Lumber Co.

STEVENSON—Mitchell J. F.

SULLIGENT—*§Kentucky Lumber Co.

SUNFLOWER—*Laubenthal Lumber Co.

SYLACAUGA—*Wisconsin-Alabama Lumber Co. (Saw & Planing Mill)

TALLADEGA—*Wallis J. V. & Co. (Oak, & Yellow Pine)

TUSCALOOSA—Copeland Bros. Realty Co. (Saw Mill)
*Crabtree Lumber Co. (Saw Mill)
Henderson Land & Lumber So. (Saw & Planing Mills)
*Kaul Lumber Co.
Parker D. O. (Saw Mills)
*Stevens Daly Lbr. Co. (Cypress, Gum, Oak, Long & Short Leaf Pine)

VINA—*Williams & Massey Lbr. Co. (Oak & Long Leaf Pine)

VINEGAR BEND—*Vinegar Bend Lumber Co. (Yellow Pine)

VREDENBURGH—*Vredenburgh Sawmill Co.

YORK—*Prime Lbr. Co. (Cypress, Oak, Long & Short Leaf Pine)
§Rumley C. & G (Saw Mills)
Wallace Lumber Co.

ARIZONA.

BISBEE—Cochise Lbr. Co. (Cedar, Maple & Oak)

CLIFTON—Clifton Lbr. & Improvement Co. (Cedar, Pine & Spruce)

COOLEY—Apache Lumber Co. (Pine)

FLAGSTAFF—*Arizona Lumber & Timber Co.
Flagstaff Lumber Co. (Saw & Planing Mill)
Greenlaw Lumber Co. (Saw Mill)
NOGALES—§Roy & Titcomb
PHOENIX—§Halsted J. D. Lbr. Co.
Ryder H. W. (Saw Mill)
Valley Lumber Co.
PRESCOTT—§Head Lumber Co.
SAFFORD—Faulkner W. C. (Pine)

ARKANSAS.

ALLPORT—Brown Bros & Carnahan (Saw Mill)
ARKADELPHIA—*Arkadelphia Milling Co
ARKANSAS CITY—Thane Lumber Co. (Saw & Planing Mill)
ARMOREL—*Wilson, Lee & Co. (Saw Mill)
BEARDEN—*Cotton Belt Lumber Co. (Yellow Pine)
Williams J. L. & Son (Saw Mill)
BENTONVILLE—*Benton County Lbr. Co. (Cypress, Gum, Oak & Pine)
BEIRNE—Clark J. G. (Saw Mill)
BERRYVILLE—Hanby A. L. (Cypress & Pine)
BLYTHEVILLE—*Chicago Mill & Lumber Co. (Branch of Chicago, Ill.)
*East Arkansas Lumber Co. (Branch of Paragould)
BRASFIELD—Brown W. P. & Sons Lumber Co. (Saw Mill)
BROOKINGS—*Quellmalz Hy. Lumber & Mfg. Co. (See St. Louis, Mo.)
BURDETTE—§Three States Lumber Co. (Saw & Planing Mill)
CALION—*Forrest City Box Co. (Saw Mill)
CAMDEN—*Tate & Fearing (Saw Mill)
CARGILE—*Loutre Lumber Co. (Shingles)
CLARKSVILLE — *Arkansas & Indiana Lbr. Co. (Cypress, Gum, Oak & Pine)
CROSSETT—*Crossett Lumber Co. (Yellow Pine)
DELIGHT—*Delight Lumber Co.
DEQUEEN—Dirks Lbr. & Coal Co. (Cypress & Pine)
*Missouri Lumber Co. (Saw & Planing Mill)
DERMOTT—Fee-Crayton Hardwood Lumber Co. (Oak, Ash, Hickory, Walnut, etc.)
DIERKS—Dierks Lumber & Coal Co. (Saw Mill)
EAGLE MILLS—*Eagle Lumber Co. (Yellow Pine)
EL DORADO—*Eldorado Lumber Co.
Eldorado Sawmill Co.
FAYETTEVILLE—Northwest Arkansas Lbr. Co.
FORDYCE—Doster & Hamilton (Yellow Pine)
Fordyce Lumber Co. ("Yellow Pine)
*Hampton Stave Co.
FORREST CITY—Forrest City Box Co.
FORT SMITH—*Dyke Bros.
Mechanics Lbr. Co. (Cypress, Gum, Oak & Pine)
GRAYSONIA—*§Ozan Graysonia Lumber Co. (Saw & Planing Mills)
HELENA—Fathauer Theo. Co. (Saw Mill)
§Helena Hardwood Lumber Co. (Saw Mill)
***Kurz-Downey Co. of Arkansas (Saw** & Planing Mill)
Sampson T. H. (Amberwood)
HETH—*Bonner J. H. & Sons (Saw Mill)
HOPE—*Hope Lumber Co. (Yellow Pine)
HOT SPRINGS—*Boll E. R. Lbr. Co. (Cypress, Gum, Oak & Pine)
§Missouri Lumber Co. (Saw & Planing Mill)
Valley Planing Mill Co. (Ash, Cypress & Oak)
HUNTER—Southern Drainage & Lumber Co. (Saw Mill)
HUTTIG—*§Union Saw Mill Co. (Saw & Planing Mill)
JONESBORO—§Portia Lumber Co. (Saw & Planing Mills)
Stuck C. A. Sons (Pine)
JUNCTION CITY—*Cornie Stave Co.
KELSO—Jerkins Bros. (Saw Mill)
KERLIN—Davis J. L. & D. M. (Saw & Planing Mills)
KING—*§King Sawmill Co. (Saw & Planing Mills)
LESLIE—*May's Manufacturing Co.
LEWISVILLE—*Burton Lumber Co. (Saw & Planing Mills)
LITTLE ROCK—*Abeles C. T. & Co. (Yellow Pine, Cypress Lumber, Moulding, etc.)
Beeler A. B. & Son (Pine)
§*Brown & Hackney, Inc. (Saw Mill)
Little Rock Lumber & Mfg. Co. (Saw Mill)
McNEIL—*Graves Bros. Lumber Co. (Saw & Planing Mills)
MADISON—*Wheeler J. W. & Co. (Hardwood)
MALVERN—*Moline Lumber Co. (Saw & Planing Mills)
*Moline Lumber Co. (Saw & Planing Mills)
Wisconsin & Arkansas Lumber Co. (Yellow Pine & Soft Pine)
MARIANNA—*Kershaw W. F.
*Miller Lumber Co.
MARKED TREE—§Chapman & Dewey Lumber Co. (Saw Mills)
*Pierce Lumber Co. (Saw Mill)
MENA—*Watkins Lumber Co.
MILLVILLE—*Freeman-Smith Lumber Co. (Yellow Pine)
*McIntyre Lumber Co. (Southern Hardwood)
NASHVILLE—*Allen Lumber & Box Co. (Saw & Planing Mills)
NEWPORT—Newport Lumber Co.
NORTH LITTLE ROCK—*Cochran Foster Lbr. Co. (Cypress, Gum, Oak & Pine)
OLIVER—Thomas-Huycke Co. (Yellow Pine)
PARAGOULD—*East Arkansas Lumber Co.
PARKIN—Lansing Co. (Saw & Planing Mills)
Northern Ohio Cooperage & Lumber Co. (Saw Mill)
PERLA—*Malvern Lumber Co. (Yellow Pine)
PINCKNEY—*Columbia Hardwood Lumber Co. of Arkansas (Saw Mill)
PINE BLUFF—Arkansas Short Leaf Lbr. Co, (Saw & Planing Mills)
*McIntyre J. F. & Sons (Southern Hardwoods)
PLAINVIEW—*Fort Smith Lumber Co. (Short Leaf Yellow Pine)
PRESCOTT—Ozan Lumber Co. (Yellow Pine)
PROCTOR—*Brown G. O. & Co. (Saw Mill)
READER—Valley Lumber Co. (Ark.), (Soft Pine, Yellow Pine)
ROSBORO—*Caddo River Lumber Co. (Saw & Planing Mills)
SMITHTON—Clark County Lumber Co. (Saw Mill)
STAMPS—*Bodcaw Lumber Co. (Yellow Pine)
STUTTGARTT—Hammons Land & Lumber Co. (Saw Mill)
TEXARKANA—Buchanan Wm. (Lumber Broker)
*Four States Lumber Co.
Grant Timber & Mfg. Co.
***Southern Pine Lumber Co. (Yellow Pine Mixed Cars a Specialty)**
THORNTON—*Stout Lumber Co. ("Yellow Pine)
TRUMAN—Poinsett Lumber & Mfg. Co. (Saw Mill)
URBANA—*Junction City Lumber Co. (Saw & Planing Mills)
WABASH—§*Howe Lumber Co. (Saw & Planing Mills)
WALDRON—Scott County Land & Lumber Co. (Saw & Planing Mills)
WALDSTEIN—Waldstein Lumber Co. (Saw Mill)
WALNUT RIDGE—Muse R. L. (Saw Mill)
WARREN—*Arkansas Lumber Co. The (Pine & Hardwood)
*Bradley Lumber Co., The (Yellow Pine)
*Southern Lumber Co. (Yellow Pine)
Warren Stave Co. (Saw Mill)
WESSON—*Edgar Lumber Co. (Yellow Pine)
WILLOW—*Liberty Lumber Co. (Saw & Planing Mills)
WILMAR—*Gates Lumber Co. (Yellow Pine & Hardwood, Car Oak Stock), Dept. H.
WILSON—*Wilson Lee & Co. (Saw Mill)
WOMBLE—Black Springs Lumber Co. (Saw Mills)
WYNNE—Wynne Stave Co. (Staves).

CALIFORNIA.

ALBION—*Albion Lumber Co. (Redwood Lumber, Shingles & Ties)
ANTIOCH—Antioch Lumber Co. (Saw & Planing Mills)
AUBERRY—§Dawn Lumber Co. (Saw Mill)
BAKERSFIELD—*Bakersfield Sandstone Brick Co. (Saw & Planing Mill), Sonora & Eureka
Union Lumber Co.
BAY POINT—Coos Bay Lumber Co., Balfour bldg
BERKELEY—*Bruce Lumber & Mill Co.
§Hunter Lumber Co.
BLAIRSDEN—Davies Box & Lumber Co. (Saw & Planing Mills)
BODEGA—Joy T. B. (Saw Mill)
BOULDER CREEK—California Timber Co. (Saw Mill)
Southern Lumber Co. (Saw Mill)
BRAY—Bray Lumber & Box Co. (Saw & Planing Mills)
BULWINKLE—*Little River Redwood Co. (Redwood) (See No. Tonawanda, N. Y.)
CAMINO—Danaher R. E. Co. (Saw & Planing Mills)
CASPAR—*Caspar Lumber Co. (Redwood Ties & Shingles)
CASTELLA—§Burns M. A. Lumber Co. (Saw & Planing Mills)
CHICO—*Diamond Match Co.
CLIO—Clio Lumber Co. (Saw & Planing Mills)
CLOVIS—Fresno Flume Lumber Co. (Saw & Planing Mills)
CRESCENT CITY—*Hobbs Wall & Co. (Saw & Planing Mill)
DIAMOND SPRINGS—California Door Co. (Saw & Planing Mills)
DORRIS—Dorris Lumber & Box Co. (Planing Mills)
Evans Creek Lumber Co. (Saw Mill)
Welter Lumber Co. (Saw Mill)
DUNCANS MILLS—*Duncan's Mills Land & Lumber Co.
ELK—Goodyear Redwood Co. (Saw & Planing Mills)
EUREKA—Bayside Lumber Co.
*Burns M. A. Mfg. Co. (Saw Mill)
***Dolbeer & Carson Lumber Co. (Redwood Lumber & Shingles)**
Holmes Eureka Lumber Co. (Redwood) (Saw & Planing Mills)
***McKay & Co. (Redwood Lumber & Shingles)**
FALK—Elk River Mill & Lumber Co. (Saw & Planing Mills)
FORT BRAGG—Glen Blair Redwood Co. (Saw & Planing Mills)
Union Lumber Co. (Redwood Lumber, Shingles & Ties)
FRESNO—Fresno Lumber Co.
Harris & Pendergrass (Hardwoods & Flooring), 719 T
Kellner M. & Sons. R & Ventura
*Prescott Brick & Lumber Co. (White Pine,) Rowell bldg
Rout Lumber Co. (Plant Pine Ridge), 2011 Tyler
Sunset Lumber Co., Blackstone av, nr Home
Swastika Lumber Co., 102 O
Valley Lumber Co.
GAZELLE—Schmitt Bros. (Saw Mill)
GILROY—*Whitehurst & Hodges
GRASS VALLEY—Fowler Charles S. (Saw Mill)
GUALALA—American Redwood Co. (Saw Mill)
HALF MOON BAY—Borden Chas. W. (Saw Mill)
Hatch A. S. Lumber Co. (Saw & Planing Mills)
HILT—*Moon Lumber Co.
IGERNA—Penoyar Lumber Co. (Saw Mill)
KORBEL—Northern Redwood Lumber Co.
LA MOINE—La Moine Lumber & Trading Co. (Saw & Planing Mills)
LOS ANGELES—American Hardwood Co., 1900 E 15th
§Blinn L. W. Lumber Co.
Bohnhoff C. W. (Hardwoods), 1500 S Alameda
Consolidated Lumber Co.
Cooper W. E. Lbr. Co., 2035 E 15th
Graves, Frank, Sash, Door & Mill Co., 2000 Pasadena av
*§Hammond Lumber Co. (Redwood, Douglas Fir & Hemlock), 2010H S Alameda
McCullough-Fagan Lumber Co., 730 I. N. Van Nuys bldg
*Owens-Parks Lumber Co. (Planing Mill), 2100 E 38th
Patten & Davies Lumber Co., 521 E 5th
§San Pedro Lumber Co.
Southern Cal. Hardwood & Mfg. Co., 1430 S Alameda
§Stanton E. J. & Son
§Western Hardwood Lumber Co.
§Wood E. K. Lumber Co.
Woodlead Lumber Co. (Planing Mill)
McCLOUD—McCloud River Lumber Co. (Saw & Planing Mills)
MADERA—Madera Sugar Pine Co. (Saw & Planing Mills)
MENDOCINO—*Mendocino Lumber Co.
MERCED—Yosemite Lumber Co. (Saw & Planing Mills)
METROPOLITAN — *Metropolitan Redwood Lumber Co. (Redwood Shingles, etc)
MODESTO—Modesto Lumber Co.
Stanislaus Lumber Co.
Ward Lumber o.
MOHAWK—Mohawk Lumber Co. (Saw & Planing Mills)
MOUNT HEBRON—Johnson-Pollock Lumbre Co. (Saw & Planing Mills)
Mt. Hebron Lumber Co. (Saw Mill)
NAVARRO—Navarro Lumber Co. (Saw & Planing Mills)
NORTH FORK—Peckinpah Lumber Co. (Saw Mills)
NORTH SACRAMENTO—Essex Lumber Co.
NORTHWESTERN — Northwestern Redwood Co. (Saw & Planing Mills)
OAKLAND—*Coos Bay Lumber Co.
Strable Hardwood Co. (Hardwood Lumber, Hardwood Flooring & Veneered Panels Only), 511 First
§Sunset Lumber Co.
OCCIDENTAL—*Meeker M. C.
OROVILLE—*Swayne Lumber Co. (Box shooks, Saw & Planing Mills)
PASADENA—Blinn L. W. Lumber Co.
Kerckhoff-Cuzner Lumber Co.
PESCADERO—Campbell Redwood Lumber Co. (Saw Mill)
PITTSBURGH — Redwood Manufacturers Co. (Redwood Lumber, Air Dried)
PLACERVILLE—*Blair J. & J. Lumber Land Co.
PORTOLA—Feather River Lumber Co. (Saw & Planing Mills)

(Continued on following page)

Lumber—Continued

CALIFORNIA—Continued

POINT ARENA—*White L. E. Lumber Co. (Redwood, Sugar Pine & Cal. White Pine.)
QUINCY—Murphy F. S. Lumber Co. (Saw Mill)
REDDING—Keen C. C. (Saw Mill)
SACRAMENTO—Friend & Terry Lumber Co.
*Homestead Lumber Co.
*Sacramento Lumber Co.
SAN BERNARDINO—Suverkrup John
SAN DIEGO—Benson Lumber Co. (Saw & Planing Mills)
Russ Lumber & Mill Co.
§San Diego Lumber Co. (Redwood Lumber & Shingles)
SAN FRANCISCO—Acme Lumber Co., 6th & Channel
Albion Lumber Co. (Redwood Lumber), 582 Market
American Trading Co., 332 Pine
§Byxbee & Clark Co. (Redwood & Pine), Balboa bldg
Cadwallader-Gibson Co. (Hardwoods, Panels, Veneers & Flooring), 599 Brannan
California Oregon Lumber & Box Co., 112 Market
§California Sugar & White Pine Co., 1st National Bank bldg
California-Oregon Lumber Co. 2 Pine
Caspar Lumber Co., Hobart bldg
Chamberlain W. R. & Co., 351 California
Christenson Lumber Co., 1950 3rd
Coos Bay Lumber Co., Balfour bldg
§Cornetius Geo. C. (Hardwood), 485 California
Davis Hardwood Co. (Hardwoods), Bay & Mason
Dieckmann J. H. Jr., 110 Sutter
Dieckmann Hardwood Co. (West Coast Mahogany, Spanish Cedar), Beach & Taylor
Dodge E. J. Co., 16 California
*Doe Frank P. Lumber Co., 16 California
*Dolbeer & Carson Lumber Co., Redwood Lumber & Shingles), Merchants' Exch. bldg
§Dollar Robert Co., 230 California
Duebel Chas. & Co. (Planing Mill), 316 1st
Duncan's Mills, Land & Lumber Co., 112 Market
*Dwight Lumber Co., 260 California
§Fifield E. L., 24 California
Forsyth & Co. (Hardwoods), 1899 Bryant
§Fyfe-Wilson Lumber Co., 1 Drumm
Gardiner Mill Co., 16 California
§Glen Blair Redwood Co., Monadnock bldg
*Gray's Harbor Commercial Co. (Fir, Spruce & Red Cedar Lumber & Shingles), Ft. of 3rd
Great Western Lumber Co., 268 Market
§Gritzmacher & Johnson, 112 Market
*Hammond Lumber Co., 260 California
§Hammond W. A. Co., 112 Market
§Hanify J. R. Co. (Redwood), 24 Market
Hart-Wood Lumber Co., 1 Drumm
§Hendrickson Lumber Co. (Pine & Redwood)
Higgins J. E. Lumber Co. (Hardwoods & Flooring), 423 6th
*Hobbs Wall & Co., 1 Drumm
§Holt Bros. (Hardwood), 914 Folsom
Howard E. A. & Co. (Hardwoods), Spear & Howard
Huddart & Baker, Monadnock bldg
King Lumber Co., Merchants Exchange bldg
Kirchmann Hardwood Co. (Hardwood Imp.), 485 California
*Lassen Lumber & Box Co., Monadnock bldg
§Little River Redwood Co., 112 Market
*Loma Prieta Lumber Co., New Bank bldg
*McCORMICK CHAS. R. & CO. (Mfrs. & Cargo Shippers, Douglas Fir, Lumber, Ties & Piling), 215 Market
See adv index at end of book
§McCullough-Fagan Lbr. Co., 1 Drumm
§McFaul-Perkins Co. (Redwood & Pine), Chronicle bldg
McKay & Co. (Redwood Lumber & Shingles), 311 California
MacArthur & Kauffman (Red Cedar & Pine), 461 Market
§MacDonald & Harrington, 16 California
*Mendocino Lumber Co., Crocker bldg
*Moore Mill & Lumber Co., 68 Post
Murphy F. S. Lumber Co. (Mfrs.), Monadnock bldg
§Nelson Chas. Co. (Redwood, Pine Shingles, Posts, etc), 230 California
Niehaus E. F. & Co. (Hardwood), 564 Brannan
§Ocean Lumber Co., 260 California
§Olson & Mahoney Lumber Co., 5th & Channell
Pacific Lumber Co. (Redwood, Pine & Shingles), 311 California
PALMER FREDERICK S. (Whol. Sugar & White Pine), Monadnock bldg
*Pope & Talbot (Lumber, Timber, Piles, Spars, etc), ft of 3rd
*Port Blakeley Mill Co., 351H California
*Puget Mill Co. (Fir Lumber, Spars & Piles), Mills: Port Gamble, Wash., & Port Ludlow, Wash
§Redwood Export Co., 260 California
Redwood Mfrs. Co. (Redwood), Hobart bldg
Reed Lumber Co., Hearst bldg
RICHARDS HARDWOOD LUMBER CO. (American & Imported Hardwood Lumber, Ship Timber, etc.), 480-486 Brannan
Richardson Co., 320 Market
Sacramento Timber & Box Co., 268 Market
St. Helens Lumber Co. (Fir)
§San Diego Lumber Co. (Redwood Lumber & Shingles)
§San Pedro Lumber Co., 110 Market
Sayre W. R. Lumber Co., Inc., First Nat'l Bank bldg
§Slade S. E. Lumber Co. (Pine & Spruce), 112 Market
§Stockton A. L. Lumber Co., Merchants. 6130 Mission
†§Sudden & Christenson, 112H Market
§Spanish Peak Lumber Co. (Pine & Spruce), 1st Nat'l Bank bldg
Tarter Webster & Johnson, Inc., First Nat'l Bank bldg
Tees J. M., Inc. (Hardwood Imptrs.), 112 Market
Thane A. F. & Co. (Imp.), 311 California
§Truckee Lumber Co. (of S. F.), First National Bank bldg
§Union Lumber Co. (Ties, Poles & Redwood, Crocker bldg
§Valley Lumber Co. 110 Market
Van Arsdale Harris Lumber Co., Dept. H, 5th & Brennan
Vance J. W. & Co. (Redwood & Fir), 214 Front
Wendling Nathan Co., 110 Market
Western Lumber Mfg. Co. (Also Veneers), Balfour bldg
§Western States Lumber Co., 1 Drumm
§White Bros. (Hardwood Importers & Dealers), 5th & Brannan
§White L. E. Lumber Co. (Redwood Lumber, Ties, Posts & Tan Bark), Balboa bldg
Wilson Bros. & Co., 110 Market
Wood E. K. Lumber Co. (Fir & Spruce), 1 Drumm
SANGER—*Sanger Lumber Co.
SAN JOSE—*Chase S. H. Lumber Co. (Lumber & Saw Mill)
*Glenwood Lumber Co. (Lumber & Mill Work)
Hubbard & Carmichael Bros. (Lumber)
*Santa Clara Valley Mill & Lumber Co. (Lumber & Mill Work)
SANTA ANA—Griffith Lumber Co.
Pendleton Lumber Co.
SANTA BARBARA—*Union Mill Co. (Planing Mill)
SANTA CRUZ—*Hihn F. A. Co.
Loma Prieta Lumber Co. (Saw & Planing Mills)
*San Vincent Lumber Co. (Saw & Planing Mills)
SCOTIA—*Pacific Lumber Co. (Redwood, Pine & Shingles)
SLOAT—Murphy F. S. Lumber Co. (Saw Mill)
SONORA—*Standard Lumber Co.
STIRLING CITY—Diamond Match Co., (Saw & Planing Mills)
Thatcher F. M. (Saw & Planing Mills)
SUSANVILLE—*Diamond Mountain Lumber Co. (Saw & Planing Mills)
TUALUMNE—West Side Lumber Co. (Saw & Planing Mills)
WEED—Weed Lumber Co. (Saw & Planing Mills)
WESTPORT—Pollard Lumber Co.
WESTWOOD—Red River Lumber Co. (California White & Sugar Pine, Cut Sash & Dover Stock & Box Shooks)
WILLITS—Irvine & Muir Lumber Co. (Saw Mill)
WILMINGTON—§Consolidated Lumber Co.

COLORADO.

ARBOLES—Candelaria-Fowles Timber Co. Co. (Western Soft Pine)
COLORADO SPRINGS—Crissey & Fowler Lumber Co.,
Newton Lumber & Mfg. Co.
DENVER—§Continental Tie & Lumber Co., Chamber of Commerce bldg
English R. W. Lbr. Co., Equitable bldg
*Fleming Bros. Lumber Co., 735 S. Broadway
Hallack & Howard Lumber Co., 7th & Larimer
†McPhee & McGinnity Co.
§Oregon Lumber Co.
Pagosa Lbr. Co., Cham. of Com. bldg
Salzer B. F. Lumber Co., 501 S. B'dway
FRASER—‡Stevens-Barr Timber & Lumber Co. (Saw & Planing Mills)
GREELEY—Mayher Wm. Lumber Co.
GUNNNISON—Edner Lumber Co. (Saw & Planing Mills)
PAGOSA SPRINGS—§Pagosa Lumber Co.
PUEBLO—§King Investment & Lumber Co.
†Newton Lumber & Investment Co.
STEAMBOAT SPRINGS—Sarvis Timber Co. (Saw & Planing Mills)
TABERNASH—Tabernash Lumber Co. (Saw & Planing Mills)
TRINIDAD—Davis O. L. Lumber Co.

CONNECTICUT.

AVON—Woodford H. W.
BRIDGEPORT—*§Burritt A. W. Co
Miller Frank Lumber Co. (Saw Mill), 156 E. Washington av
West End Lumber Co.
HARTFORD—*Connecticut Valley Lbr. Co.
Taylor Edwin Lumber Co., 108 Charter Oak av
HAZARDVILLE—Bridges Amos D. Sons (Saw & Planing Mills)
MERIDEN—Bishop Dexter L. Co. (Saw Mills)
§Lyon & Billard Co.
NEW HAVEN—§Connecticut Box Co. (Lumber & shooks, etc.), 373 Lexington av
§De Forest & Hotchkiss Co., 115 Water
Fogg Ezra D. Co., 178 Gofe
Hartshorn F. E., 831 Chapel
§Lampson Lumber Co. (Spruce, Southern Pine, Cypress), 167 Water
*New Haven Saw Mill Co. (Southern Pine), Chapel & East
NEW LONDON—§Chappell F. H. & A. H. Co.
*Raymond & Alexander Lumber Co. (Saw Mill, Ties, Poles, Timber, etc)
NORWICH—Potter A. L. & Co. (Saw Mill)
STAMFORD—§Getman & Judd Co.
TORRINGTON—*Wadhams F. L. & Sons (Saw Mills)
WALLINGFORD — Wallingford Lumber Co.
WATERBURY—Brass City Lumber Co.
City Lumber & Coal Co., 590 W Main
§Tracy Bros. Co.
Waterbury Lumber Co., 107 Meadow
WESTFORD—Barlow A. G. & Son
WEST HAVEN—Richards H. H. Lumber Co.
WILLIMANTIC—Hillhouse & Taylor
WINSTED—*Bronson Bros.
Burwell J. C.
Tiffany & Pickett Co. (Saw Mill)

DELAWARE.

DAGSBORO—Gray E. W. Lumber Co.
LEWES—Arnell Robt.
Ingram A. P.
MILFORD—Milford Lumber Co.
NEW CASTLE—Ellason J. T. & L. E
WILMINGTON—§Bush J. D. & Co. (Yellow Pine, etc.)
§Canby Hy. M. (White & Yellow Pine), Hardwoods, etc)
§Cranston John A. Lumber Co.
*Kent Lindley C. Co.
Kiamensi Clay Co., Equitable bldg
Simmons S. G. & Bros. Co.

DISTRICT OF COLUMBIA.

WASHINGTON—*Johnson & Wimsatt (N. C. Pine), 1212 Water, S W

FLORIDA.

APALACCHICOLA—Cypress Lumber Co. (Saw & Planing Mills)
APOPKA—*Consumers Lumber & Veneer Co. (Saw & Crate Mills)
AVERTINA—§*Lindsay Lumber Co. (Saw & Planing Mills)
BONIFAY—*Babois Lumber Co. (Saw & Planing Mills)
BOYD—*Weaver-Loughridge Lumber Co.
BRIDGE END—Osceola Cypress Co.
BROWNVILLE—Russ Z. (Saw Mill)
CARYVILLE—*Henderson-Waits Lumber Co. (Saw & Planing Mills)
CENTRALIA—*Central Cypress Co.
CENTURY—*Alger-Sullivan Lumber Co. (Yellow Pine)
CITRA—Williams J. R. (Saw Mill)
DE FUNIAK SPRINGS—*Beach, Rogers & Co.
Walton Land & Timber Co.
DOWLING PARK—Park Lumber Co. (Saw Mill)
DUPONT—*Dupont Land Co.
EAST PALATKA — *Browning Lumber Co. (Saw Mill)
EASTPORT—*Brooks-Scanlon (Saw & Planing Mills)
EHREN—Ehren Pine Co. (Saw Mill)
ENVILLE—Denton Lumber Co. (Southern Yellow Pine)
EUGENE—*§Wade Lumber Co. (Saw Mill)
FERNANDINA—*Florida Pitch Pine Lumber Co.
FT. MYERS—*Phoenix Lumber Co. (Long Leaf Yellow Pine), Dept. H
FREEPORT—McGaskill J. J. Co. (Saw Mills)
GAINESVILLE—*Brown Bros. Co.
*Lumber Mfg. Co. (Saw Mill)
*Phifer W. B. Co. (Saw Mill)
GLENWOOD—* Bond Lumber Co. (Saw Mills)
GREEN COVE SPRINGS—Alworth F. C. (Saw Mill)
GREER—*Greer J. L. (Saw Mill)
GROVELAND—Edge-Dowling Lumber Co. (Saw Mill)
HAMPTON SPRINGS—Rock Creek (Lumber Co. (Southern Yellow Pine)
HELEN—*Helen Lumber Co. (Saw & Planing Mills)
HOPKINS—Union Cypress Co. (Cypress)

HOSFORD—*Graves Bros. Co. (Saw & Planing Mills, & Yellow Pine)
INVERNESS—*West & Reaves Lumber Mills
JACKSONVILLE — Corse, Montgomery (Shingle Mill)
*Cummer Lumber Co. (Long Leaf Yellow Pine), H, St. James bldg
*Florida Pine Co.
Gress Mfg. Co.
Hirsch Lumber Co.
Putnam Lbr. Co.
Sax Alfred R. Lumber Co. (Branch of New York City)
*Sizer Robt. R. & Co. (Branch of New York City)
*Stephens Lumber Co.
LAKE HELEN—*Bond E. W. Co. (Saw Mill)
LAKEWOOD—*Britton Lumber Co. (Yellow Pine)
LEBANON—*King R. M. Lumber Co. (Saw Mill)
LIMESTONE—Limestone Mfg. Co., (Saw Mill)
LIVE OAK—Standard Lumber Co. (Southern Yellow Pine & Cypress)
LONGWOOD—*Dinkel J. S. (Saw Mill)
LOUGHMAN—Everglade Cypress Co. (Saw & Planing Mills)
LUKENS—*Tilghman Cypress Co. (Saw & Planing Mills)
MADISON—*West Yellow Pine Co. (Saw & Planing Mills)
MANATEE—Manatee Lumber Co. (Saw & Planing Mills)
MARIANA—*Jarratt Lumber Corp. (Saw Mill)
MARTIN—*Martin Crate Co. (Saw Mill)
MAYO—Elsberry Bros. & Miller Saw Mill)
MAYTOWN—Maytown Lumber Co. (Saw Mill)
MEREDITH—McEachern-McNair Lumber Co. (Saw Mill)
MIAMI—Lindsay Lumber Co.
MILLVIEW—Perdido Lumber Co. (Saw Mill)
MOLINO—Jacobi Lumber Co. (Saw & Planing Mills)
MORRISTON—*Morrison D. B. Co.
MUSCOGEE—*Southern States Lumber Co. (Yellow Pine)
NOCATEE—*King Lumber & Mfg. Co.
NOMA—*Alabama & Florida Lumber Co. (Saw Mill)
OCALA—*Ocala Mfg. Co.
ODESSA—Lyon Lumber Co. (Saw Mill)
PACE—*Escambia Mill Co. (Saw Mill)
PALATKA—*Porter Bros. (Saw & Planing Mills)
*Selden Cypress Door Co. (Cypress)
*Wilson Cypress Co. (Cypress Lumber, Siding, Shingles, etc)
PAXTON—*Florala Saw Mill Co. (Saw & Planing Mills)
PENSACOLA—*Baars H. & Co. (Pitch Pine)
*Duval Lumber Co. (Saw Mill)
*Nobles R. E. & Son (Shingle Mills)
*Pensacola Lumber & Timber Co. (Pitch Pine Exporters)
Runyan & Co. (Saw Mill)
*Southern States Lumber Co.
*Weis-Patterson Lumber Co., Inc.
PERRY—Burton-Swartz Cypress Co. of Fla. (Cypress Lumber & Shingles)
PLANT CITY—Warnell Lumber & Veneer Co.
PORT ST. JOE—Calhoun Timber Co. (Saw Mill)
PRINCETON—Drake Lumber Co. (Saw Mill)
RODMAN—*Rodman Lumber Co. (Saw Mill)
SANFORD—Chase & Co. (Crating)
SAPP—*Goethe Lumber Co. (Saw & Planing Mills)
SORRENTO—Battle Lumber Co. (Saw Mill)
SPRINGDALE—*Taylor County Lumber Co. (Saw Mill & Planing Mills)
SUMNER—*Cummer Cypress Co.
TALLAHASSEE—Tallahassee Lumber Co. (Saw & Planing Mills)
TAMPA—§Landeck Lumber Co. (Saw & Planing Mills)
Southern Lumber & Sup. Co. (Planing Mill)
TARPON SPRINGS—*Alderman J. W. (Saw Mill)
TRENTON—*Wade & Bell (Timber)
WATERTOWN—*East Coast Lumber Co. (Saw Mill)
WEST PALM BEACH—Lainhart & Potter
WILDWOOD—*McRainey & Bridges (Saw Mill)
WILLISTON—Long Pasley Lumber Co. (Saw & Planing Mills)
WIMAUMA—*Brown Shingle Co.

GEORGIA.

ACREE—Tyson & Stubbs (Saw Mill)
ADAIRSVILLE—*Cedar Springs Mfg. Co. (Saw Mill)
ALAPAHA—*Pine & Cypress Co. (Saw & Planing Mills)
ALLENHURST—*Dunlevie Lumber Co.
ALBANY—Albany Planing Mill (Planing Mill)
*Reynolds Bros. Lumber Co. (Saw Mill)
ASHBURN—*Ashburn Lumber Co.
ATHENS—Moss R. L. Mfg. Co. (Planing Mills)
ATKINSON—Atkinson Mill Co. (Saw Mill)
ATLANTA—Cleveland-Osconee Lbr. Co.
Cleveland-Osconee Lbr. Co.
§Lake Frank G.
§Lowe E. E. & Co., Fourth Nat'l Bank bldg
Pattillo Lumber Co.
§Smith & Simpson Lumber Co.
SOUTHERN WOOD PRESERVING CO. (Creosoted Pine)
See adv index at end of book
§West Lumber Co.
Willingham-Tift Lumber Co.
§Zuber J. W.
AUGUSTA—*Augusta Lumber Co. (Long Leaf Yellow Pine)
*Beech Is. Lumber Co. (Saw Mill)
*Perkins Mfg. Co. (Yellow Pine)
Perkins Sash & Door Co. (Planing Mill)
*Woodward Lumber Co. (Yellow Pine)
AUTREYVILLE—*Autrey D. A. & Son (Saw Mill)
BABCOCK—Babcock Bros. Lumber Co. (Saw Mill) (Branch of Pittsburgh, Pa.)
BAINBRIDGE—§Rampsey-Wheeler Co.
§Flint River Lumber Co. (Planing Mill)
BLAKELY—Blakely Hardwood Lumber Co. (Saw Mill)
BLUNDALE—*Emanuel Farm Co. (Saw Mill)
BOSTON—*Kirby Planing Mill Co. (Saw Mill)
BOWDON—*Fowler W. J. (Saw Mill)
*King C. W. (Saw Mill)
BOYDVILLE—*Boyd Lumber Co. (Saw & Planing Mills)
BROOKS—*Peeples J. W. (Saw Mill)
BRUNSWICK—*American Tie & Timber Co. (Yellow Pine & Cypress Ties, Poles & Posts)
*Bladen Tie & Lumber Co.
*Camden Lumber Co. (Saw Mill)
Savannah River Lumber Co. (Saw Mill)
Trant Jno. H. Jr. (Saw Mill)
CAMAK—Wilson W. S. Lumber Co. (Saw Planing Mills)
CARTERSVILLE—*Rhyne Bros. Lumber Co.
CECIL—*Bray J. N. Lumber Co. (Saw Mill)
CEDARTOWN—*Hightower Planing Mills (Planing Mills)
CHALKER — *Cleveland-Oconee Lumber Co. (Saw Mill)
COLUMBUS—*Cooper Lumber Co. (Saw & Planing Mills)
CONYERS—*Hamilton J. A. & Sons (Saw Mill)
CRAWFORDVILLE—*White & Hamilton Lbr. Co. (Saw & Planing Mills)
CUSSETTA—Burgin Lumber Co., Inc.
CYRENE—*Hodges C. S.
DACULA—*Pharr G. F. (Saw Mill)
Strickland L. E. (Saw Mills)
DALTON—*Cherokee Mfg. Co.
*Farrar Lumber Co. (Yellow Pine, Brackets, Blocks & Mill Finish)
DUBLIN—Dublin Lumber Co. (Saw & Planing Mills)
ELLIJAY—§Shippen Bros. Lumber Co.
FENDIG—*McKinnon L. T. & Co. (Saw Mill)
GODFREY—Beam Lumber Co. (Saw & Planing Mills)
GRADYVILLE—*Kelley-Clark Lumber Co. (Saw & Planing Mills)
HAWKINSVILLE—*McEachern W. D. Lumber Co.
Standard Lumber Co. (Saw & Planing Mills)
JEFFERSONVILLE—Gettys M. E. Lumber Co. (Saw Mill)
KATHLEEN—*Davis J. H. & Son (Saw Mill)
LAWRENCEVILLE—Jackson C. P. (Saw Mill)
*Williams Lumber Co.
LELA—*Chattahoochee Lumber Co.
LETFORD—*Tuten W. G. (Saw Mill)
LUMPKIN—Alexander & Bland (Saw Mill)
LYONS—Jones & Alexander (Saw Mill)
Thompson J. L. (Saw Mill)
MACON—*Massee & Felton Lumber Co. (Gum, Oak, Hickory, Ash, Elm, Maple, Poplar & Sycamore)
MADISON—Morgan Lumber Co. (Saw & Planing Mills)
MEIGS—*Meigs Lumber & Mfg. Co. (Saw Mill)
METCALF—Caldwell Lumber Co. (Saw Mill)
MINEOLA—*Mineola Mill Co. (Yellow Pine)
MOULTRIE—*Colquitt Lumber Co.
Corbett Lumber Co. (Saw Mill)
*Huber Lumber Yard
MOUNT PLEASANT—Aiken L. R. & Bro.
MT. VERNON—McCrimmon W. C. (Saw Mill)
NEWNAN—Askew W. S. Co.
*Cole R. D. Mfg. Co.
NORWOOD—Steedman J. H. Lumber Co. (Planing Mill)
OCILLA—*Henderson Lumber Co. (Saw Mill)
*Ocilla Planing Mill
OCONEE—*Cleveland-Oconee Lumber Co.
PINEORA—*Pineora Mfg. Co. (Saw Mill)
POPE'S FERRY—*Dixie Lumber Co. (Short Leaf Pine & Saw & Planing Mills)
QUITMAN—*Interstate Lumber Co.
RAY CITY—Clements Lumber Co. (Saw & Planing Mills)
REYNOLDS—Fitzgibbons P. F. (Saw Mill)
Ricks Bros. (Saw Mill)
ROME—Marshall Mfg. Co. (Yellow Pine)
ST. MARYS—Brandon Lumber Co. (Saw Mill)
SAVANNAH—Bacon A. S. & Sons (Shingles, Lumber, etc.).
*Port Wentworth Lumber Co. (Saw & Planing Mills)
*Savannah River Lumber Co. (Yellow Pine)
Southern Box & Lumber Co.
STATENVILLE—Gasbutt A. G. Lumber Co. (Saw & Planing Mills)
STOCKTON—*Fry E. Y. (Saw Mill)
SYLVANIA—*Brantley W. L. (Saw Mill)
*Mallory W. A. & Bro. (Saw Mill)
THOMASVILLE—*Beverly W. E. (Saw Mill)
Jemison J. B. & Co. (Long Leaf Yellow Pine Car Material, Bridges, Floorings, Sidings, Shingles, Laths, etc)
*Kirby Planing Mill Co. (Yellow Pine)
*Southern Saw Mill Co. (Saw Mill)
§Upchurch W. J. (Saw Mill)
*Williams Homer
TIFTON—*Phillipps Lumber Co.
*Tift H. H. (Yellow Pine)
VALDOSTA—Killian Lumber Co. (Long Leaf Yellow Pine)
Harvey Lumber Co.
WARTHEN—*Walker G. C. (Saw Mill)
WAYCROSS—*Hebard Cypress Co. (See Scranton, Pa.)
WRENS—*Wren W. J. (Saw Mill)
ZIRKLE—*Davis-Zirkle Lumber Co. (Saw & Planing Mills)

IDAHO.

ATLAS—Atlas Shingle Co.
*Atlas Tie Co. (Saw Mill)
BARBER—*Boise-Payette Lumber Co. (Saw & Planing Mills)
BONNERS FERRY—Bonners Ferry Lumber Co. (Western Soft Pine, Idaho White Pine, Hard, Spruce & Cedar Lumber & Lath, etc
BOISE—Boise Payette Lumber Co. (Pine)
*Ridenbaugh W. H. (Lumber & Saw Mills)
COEUR D'ALENE—Blackwell Lumber Co. (Idaho White Pine, Western Soft Pine, White Fir)
Rutledge Edward Timber Co.
COTTONWOOD—Hussman Lumber Co. (Saw Mill)
DOVER—*Dover Lumber Co. (White Pine, Larch & Cedar)
EMMETT—Boise-Payette Lumber Co. (Saw & Planing Mills)
FRASER—Fraser Lumber Co. (Saw Mill)
HARRISON—Russell & Pugh Lumber Co. (Saw Mill)
HOPE—Hope Lumber Mfg. Co., (Saw Mill)
HORSESHOE BEND—Harris Creek Lumber Co. (Saw Mill)
IDAHO FALLS—§National Park Lumber Co.
KAMIAH—Western States Lumber Co. (Saw Mill)
KENTERVILLE—Hussman Lumber Co. (Saw Mill)
KOOTENAI—Humbird Lumber Co. (Saw Mill)
LACLEDE—White A. C. (Saw Mill)
LINDEN—Longfellow A. W. (Saw Mills)
McCALL—Hoff & Brown (Saw Mill)
MEADOW CREEK—Meadow Creek Lumber Co. (Saw Mills)
MOSCOW—*Standard Lumber Co.
PLUMMER—Schmidt Bros. (Saw & Planing Mills)
POST FALLS—Post Falls Lumber & Mfg. Co. (Saw & Planing Mills)
POTLATCH—*Potlatch Lumber Co. (Idaho White Pine, Western Soft Pine, Lap Pine Siding)
ROSELAKE—Rose Lake Lumber Co. (Saw Mill)
ST. JOE—Milwaukee Land Co. (Saw Mill)
ST. MANIES—Milwaukee Lumber Co. (Saw Mill)
*St. Manies Lumber Co. (Saw & Planing Mills)
ST. PAUL—Western States Lumber Co. (Saw Mill)
SANDERS—Libby Chas A. (Saw Mill)
SANDPOINT—Hitchner & Hitchner (Cedar Posts, etc)
*Humbird Lbr. Co. (Ltd.) (White Pine Lumber, Red Pine & Hard, Cedar Poles & Split Cedar Posts, etc.)
§Sand Point Lumber & Pole Co. (Ltd.) (Red Cedar Posts, Poles, Piling & Shingles)
*Sommers Bros. Match Co. (Saw & Planing Mills)
SPIRIT LAKE—*Panhandle Lumber Co., Ltd. (Panhandle Pine)
SPRINGTON—Springton Lumber Co. (Saw Mill)
WINCHESTER—Craig Mountain Lumber Co. (Saw Mill)

ILLINOIS.

ANNA—*Anna Lumber & Mfg. Co.
BELLEVILLE—Liese Lumber Co.
Reis J. B. Lumber Co.
CAIRO—§Atwood F. H. Lumber Co. (Lumber & Boxes, Veneered & Sawed Egg Cases, Box Shooks, etc)
Dunbar Mill & Lumber Co.
Langan P. T. Lumber Co. (Saw Mill)

(Continued on following page)

Lumber—Continued

ILLINOIS—Continued

CHICAGO—§Abbott Frank I. (Pine & Hardwoods), 2201 Loomis
Acme Lbr. & Shingle Co., 20 W. Jackson blvd
Alexander Lumber Co., 20 W. Jackson
Allen Edmund A., 133 W. Washington
Attley J. M. Co., 11 S La Salle
Ayer & Lord Tie Co. (Railroad), 80 E. Jackson blvd
Bader John Lumber Co., 2020 Clybourne av
Baird D. W. Lumber Co. (Red Oak Gum & Birch), 1026 W. 22d
•Bay De Noquet Co. (Hemlock, Hardwood, White Pine, etc), 80 E Jackson blvd
§Benedict John S. Lumber Co. (Hardwood & Wagon Stock), 419 N Halsted
BENNETT FIELD TIE CO., 1406 Fisher bldg
§Big Bay Lumber Co. (Crating), 2309 Loomis
Boyle Clarence (Inc.), Lumber Exch. bldg
§Brooks & Ross Lumber Co. (Pine & Hemlock & Hardwood), 39 S. La Salle
§Burns Lumber Co. (Yellow Pine), 700 W Chicago av
§Carey-Lombard Young & Co., 22 W Monroe
§Caryl A. H. (Commission Merchants), 5804 Harper av
Chicago Box & Crating Co., 10 S. La Salle
§Chicago Lumber & Coal Co., 11 S. La Salle
Columbia Hardwood Lumber Co. (Oak, Hardwoods), 2428 Elston av
•Crane W. B. & Co. (Timber, Ties, Cedar Posts, Planks, etc), 913 W 22d
§Cross Clarence L. (La. Red Cypress), Monadnock blk
§Darling Chas & Co. (Hardwood), 2329 Loomis
§Deacon J. C. & Co. (Pine), 2627 S. Robey
Deeves G. H. Lumber Co. (Yellow Pine, Mahogany, Hardwood, etc), 80 E Jackson blvd
Dermott Land & Lumber Co., 28 E Jackson
De Vries S. J. & Co., 840 W. 47th
§Fathauer Theo. Co. (Hardwood), 1900 Fullerton av
General Wrecking Lumber Co. (New & Used), Archer & Ashland av
§Goodman K. S. Co. (Pine, Hemlock, Hardwood, etc), 80 E Jackson blvd
Goodivillie Bros.
§Gourley Arthur & Co. (Pines), 11 S La Salle
§Green Geo. Lumber Co., 22d & S Canal
Gregerstsen Bros. Co. (Cypress & Tupelo), McCormick bldg
§Griffith Geo. D. & Co. (Northern & Southern Hardwood & Pine), 11 S La Salle
§Hayden & Westcott Lumber Co. (Plain & Quartered Sawed Oaks, Poplar, Rock Elm, Yellow Pine, etc), 80 E Jackson blvd
•§Heidler Hardwood Lumber Co. (Yellow Pine), 2539 S Robey
§Herbert Wm. A. & Co., 11 S La Salle
•Hettler Herman H. Lumber Co. (Maple Flooring, "Modern Brand," Kiln Dried), 2601 Elston av
•§Hines Edward Lumber Co. (All Kinds), 2431 S Lincoln
Howes Lumber Co., 545 W 71st
International Lumber Co. (White Pine), 11 S La Salle
§Joseph Bros. Lbr. Co., Ashland & 22nd
•§Keith Lumber Co. (Mahogany & Foreign Woods), 2350 Laflin
Kemler Lumber Co., 1168 N Halsted
Kenfield-Lamoreaux Co., 111H W Washington
§King W. O. & Co. (Yellow Pine, Maple, Cuban & Mahogany & Hardwood), 2701 S. Robey
§Knudson & Mercer Lumber Co. White & Yellow Pine, Lath, Shingles, etc), 28 E Jackson blvd
§Lane J. L. & Co. (Southern Pine & Hardwood), 11 S. La Salle
§Leach L. D. & Co. (Saw Mill), 5 N. Wabash av
§Lesh & Matthews Lumber Co. (Native & Hardwood), 140 S. Dearborn
Lockwood & Strickland Co., 49th & Halstead
•Lord & Bushnell Co. (Yellow Pine), 2424 Laflin
§Lowe, Perley & Co. (Pine & Hardwoods), 332 S Michigan av
•Lyon Lumber Co. (Red Cypress), 208 S La Salle
Maisey & Dion (Hardwood & Cottonwood), Loomis & 22nd
Marsh & Truman Lumber Co., 332 S Michigan av
§Matthias Russell J. Co., 30 N La Salle
§Mickle Geo. T. Lumber Co. (Yellow Pine, Timber, etc), 30 N La Salle
§Miller Jas. G. Lumber Co. (Commission Merchants), 54 E. 50th
•Mississippi Lumber Co. (Long Leaf, Yellow Pine), 332 S Michigan av. Mills: Quitman, Miss.
•Morgan Sash & Door Co., 2287 Blue Island av
National Lbr. & Timber Co., 5601 Elston av
•Neesen J. O. Lumber Co. (Yellow Pine & Southern Hardwoods), 128 S Michigan av
North Branch Flooring Co., 2415 Barry av
§Oconto Co. (Hemlock, Hardwood, White Pine, etc.), 80 E Jackson blvd
Pacific Lumber Co. (Redwood), 3612 S Morgan
•Paepcke-Leicht Lumber Co., Southern Hardwoods, 111 W Washington
•Paine Lumber Co., Ltd. (Mill Work), 2951 Carroll
Paltzer C. A. Lumber Co., 332 S La Salle
•Pate D. S. Lumber Co. (Long Leaf Yellow Pine), 11 S La Salle
§Pike Dial Lumber Co., 2201 Loomis
Pilsen Lumber Co., 2201 Laflin
Pioneer Corp. (White Pine), 1249 W 63rd
§Porter Frank Lumber Co. (Commission Merchant), 1814 N. Central Park av
Pulaski Lumber Co., 1835 N Robey
•Rittenhouse & Embree Co. (Oak & Maple Flooring), 3500 S Racine av
§Ross Lumber Co., 39 S La Salle
Schreiber Wm. C. Lbr. Co., 2220 Throop
•Soper Lumber Co. (Hardwood), 2204 Loomis
§Soper Lumber Co., 2204 Loomis
•Spalding Lumber Co. (Lumber, Lath & Shingles), 208 S La Salle
Stewart A. T. Lumber Co., 7801 Greenwood av
Stone Frank B., 1620 Malers bldg
§Street-Chatfield Lbr. Co., 2415 Elston
Thornton-Clancy Lbr. Co., 2315 Elston av
§Trainer Bros. Lumber Co., Loomis S of 22d
•Vancouver Lbr. Co. Ltd. (Vancouver Cedar Mills Ltd.) (Douglas Fir B. C. Red Cedar, Western Hemlock, White Pine, Spruce, Fir Car Material & Structural Timbers, Fir & Hemlock Crating), 3434 S Dearborn
Wachsmuth Lumber Co., 2201 Laflin
§White Lumber Co. (Hardwood), 2213 Dominick
•White Star Lumber Co. (Hemlock & Cedar), 11 S La Salle. Mills: Mattoon, Wis.
•Willey C. L. (Mahogany & Foreign & Domestic Hardwoods), 2558 S Robey
•Wisconsin Lumber Co. (Oak, Cottonwood, Elm, Sycamore, Cypress, Gum, Ash & Soft Maple), 606 S Michigan av. Mills: Deering, Mo.
•Worcester C. H. Co. (Hemlock & White Cedar), 19 S La Salle

DANVILLE—Danville Lumber Co.
Hooten Chas. B.
Trent Bros.

DECATUR—•Lyon G. S. & Sons Lumber & Mfg. Co.

EAST ST. LOUIS—•East St. Louis Lbr. Co., 2022 State
•Goedde B. & Co., Weber & Illinois av
O'Neill Lumber Co.

ELGIN—Rinehimer Bros. Mfg. Co.

GALESBURG—§Simpson Jas. C. & Co.

GOLDEN—Golden Lumber & Contracting Co.

HOOPESTON—Moore & McFerren (Saw Mill, Lumber & Cottonwood Box Shooks)

KARNAK—•Main Bros. Box & Lumber Co.

KELL—Hays O. G. (Saw Mill)

LA SALLE—Hunter, Stevens & Co.

McLEANSBORO—Wilson J. H. & Son
•Wright T. B. & Son

MATTOON—•Gabbert Lumber Co. (Lumber & Planing Mill)

METROPOLIS—•Artman, Nichols & Cox Lbr. Co. (Saw & Planing Mills)

MOLINE—•Dimock, Gould & Co.

MOUND CITY—•Williamson-Kuny Mill & Lumber Co. (Southern Hardwoods, Long Oak Timber, Lath)

NEBO—Minier Bros.

PEORIA—Allen Lumber Co.
Knetzger Chas. Lumber Co.
§Lord Lee H. & Co. (Yellow Pine & Hardwood Lumber)
Miller Joseph & Sons (Lumber & Contractors)
Proctor J. C. Lumber Co.

PERU—Maze W. H. Co. (Planing Mill)

QUINCY—•McKee W. I. Lumber Co. (Fir, Spruce, Cedar, Redwood & Idaho White Pine)
•Menke-Grimm Planing Mill Co.
Moller & Vanden Boom Lumber Co.

ROCKFORD—§Parsons Lumber Co.
§Stone P. F.

ROCK ISLAND—•Rock Island Lumber & Mfg. Co. (Lumber, Lath & Shingles)
•Weyerhauser & Denkmann Co. (White Pine)

SPRINGFIELD—Eielson A.
Schuck J. H. & Son

VANDALIA—Sonneman C. G. & Son

WINCHESTER—Hunter, Allen & Co.

INDIANA.

ANDERSON—Atherton M. Sons (Planing Mill)
Winters, Mercer & Brannum Lumber Co.

ARGOS—•Schafer Louis N. (Saw Mill)

ATTICA—Attica Lumber Co.

BATESVILLE—Hillenbrand (The) Co.

BATH—•Brier John T. (Saw Mill)

BERNE—Berne Lumber Co. (Saw Mill)

BIRDS EYE—Southern Indiana Mfg. Co. (Spokes & Bldg Material)

BLOOMINGTON—Fulwider Lumber Co., 323 W 3rd

BLUFFTON—Cline Tribolet Lumber Co.
Eaton Jas. B. (Lumber & Piling)

BOBO—•Colter Henry (Saw Mill)

BOONVILLE—•White C. P. Lumber Co. (Hardwood, Quartered Oak Saw & Planing Mill)

BRAZIL—Brazil Lumber Co.
Keasey N. T. Lumber Co. (Saw Mill)
Wilder E. D. & Co. (Planing Mill)

BROOKVILLE—Ferris John & Sons Planing Mill)

CAMPBELLSBURG — •Stratton & Co. (Saw Mill)

CANNELTON—•Zeller Bros. (Saw Mill)

CLAYPOOL — Alexander G. M. (Saw Mill)

COLUMBIA CITY—•Peabody S. J. Lumber Co. (Saw & Planing Mill)

CONNERSVILLE — Connersville Lumber Co.

CONVERSE—•Murphy L. G.

CORYDON—§Humphrey R. H. Co. (Saw Mill)

CRAWFORDSVILLE — Burkholder Saml. Lumber Co. (Hardwood)

CROWN POINT—Root C. D.

CUMBERLAND — Duncan Lumber Co. (Saw Mill)

DARLINGTON—•Lynch W. B. (Lumber & Saw Mill)

DECATUR—•Adams County Lumber Co. (Saw Mill)
•Smith & Bell (Saw Mill)

DUNKIRK—Dunkirk Lumber Co.

DUPONT—Graston G. W. Milling Co. (Saw Mill)
§Guthrie William A.

EAST ENTERPRISE—•Truitt Wm. P. & Son (Saw Mill)

ELKHART—Monger C. L. Co. (W. & Com. Lumber)
§Monger R. W. Co.

ELWOOD—Heffner Lumber & Coal Co. (Saw & Planing Mill)
Winters Lumber Co.

EVANSVILLE—Cutsinger F. M. (Saw Mill), Morgan av
Evansville Planing Mill Co. (Saw Mill), 1510 N. Garvin
•Helfrich Lumber & Mfg. Co.
*Luhring Lumber Co., 15 Morton
§McFerson & Foster Co. (Cottonwood, Poplar Box Shooks), 9th av & Franklin
•Maley & Wertz (Hardwoods, Quartered Oak & Saw Mills)
Schultze Geo. T. Lbr. Co., 302 Main
•Von Behren Mfg. Co. (Spokes & Bentwood)

FERDINAND—•Beckman & Sauer (Saw & Planing Mill)
•Bolte Ben & Son (Saw Mill)

FLORA—•Flora Saw Mill Co. (Saw Mill) ply Co.

FORT WAYNE—•Fort Wayne Lumber Co.
Franke H. (Planing Mill)
•Gilmartin Edw. & Sons (Hardwood & Planing Mill)
•Hoffman Bros. Co. (Hardwood & Veneers)
Klett Jacob & Sons (Planing Mill)
•Mossman Wm. E.
•Perrine-Armstrong Co. (Long Timber, etc)

FOWLER—Evans & Calloway

GOSHEN—•Irwin Jno. W. (Est. of)
•Sanders & Egbert Co. (Hardwood)
•Young-Greene Lumber Co. (Hardwood)

GOSPORT—•Sanders A. J. & Sons (Saw Mill)

GREENCASTLE—•Barnaby C. H. (Hardwoods and Oak Veneers)

GREENTOWN—•Cuthrell John A. (Saw Mill)

HAGERSTOWN—Keagy Henry W.
Werking John E. (Saw Mill)

HAMBURG—•Bramlage, Louis (Saw Mill)

HARTFORD CITY—•Willman Lumber Co. (Saw Mill & Lumber)

HUNTINGBURG—•Stimson J. V. (Saw Mill)

HUNTINGTON—Kenower John & Sons Hardwood & Planing Mill)

INDIANAPOLIS—•Bachman F. M. Co. Madison av c Lincoln
§Brannum-Keene Lumber Co. (Planing Mills)
§Buddenbaum Lumber Co., Pine & N. Y.
§Capitol Lumber Co., 49th & Monon
§Carter-Lee Lumber Co., 1621 W Washington
§Dynes-Pohlman Lumber Co., Monon R. R.
Eaglesfield & Shepard (Hardwood), 30th & Monon Ry
§Eichholtz Geo. W. & Son, 714 Lemeke bldg
§Foster R. S. Lumber Co. (Hardwood, Veneered Doors, Mantels, Stairways, etc.), 1700 Kentucky av

*Hoosier Veneer Co., 3321 Mass. av
§Long-Knight Lumber Co. (Plain & Quartered Oak, White Ash, etc), 3760 E. St. Clair
Maas-Neimeyer Lumber Co., 21st & Monon
§Michigan Lumber Co. (Long Joist & Heavy Timber), 929 E St. Clair
§Pinnell J. W. & Co., 1920 N Jersey
§Talge Mahogany Co., 1101 E 13th
*Walnut Lumber Co. (Hardwood), 1635 W Michigan
*§Wilkinson-Allena Lumber Co.

KNOX—Long Thompson Co., Inc.
KOKOMO — *Armstrong-Landon Co. (Hardwood & Pine)
Indiana Lumber Co.
LAFAYETTE—*Lafayette Lumber Co.
LA PORTE—*Wise H. (Saw Mill)
LENA—*Brattain E. C. (Saw Mill)
LOGANSPORT—Fernald Willmont L. (Saw Mills)
MARION—*Barley & Spencer Lumber Co.
§Marion Lumber Co.
MENTONE—*Central Lumber Co. (Saw Mill)
MONTPELIER—Bryson D. A. (Saw Mill)
MOUNT SUMMIT—*Ice F. P. & Son (Saw Mill)
MUNCIE—Kirby-Wood Lumber Co.
Muncie Lumber Co.
NAPOLEON—*Grow F. J. (Saw Mills)
NEW ALBANY—*Roberts & Veneer Co. (Veneer & Lumber)
§Humphrey R. H. Co. (Saw Mill)
Wood Mosaic Co. (Hardwood Lumber & Oak Flooring)
NEW HAVEN—New Haven Lbr. & Supply Co.
NEW POINT—*Puttmann John J. (Saw Mill)
NORTH VERNON — *Cone Jos. D (Spokes, etc)
*Litchfield Bros. (Hardwood)
*†North Vernon Lumber Co. (Hardwood)
Richardson J. B. & Son
PERU—*Elsaman & Richer (Saw Mill)
PLEASANT LAKE—*Goodwin Lumber Co.
PLYMOUTH—*Morris C. L. (Saw & Planing Mills
PORTLAND—*Adams D. L. (Staves & Headings)
North, Frazier & Co. (Saw Mill)
RICHMOND—*Johnson B. & Son (Lumber, Piles & R. R. Ties)
§Kramer C. & W. Co. (Hardwood)
ROCKVILLE — *Ferguson Lumber Co. (Planing Mill)
RUSHVILLE—§Case Jasper D. (Hardwood)
Pinnell & Tompkins Lumber Co.
SALEM—*Crim C. M. & Son
SHELBYVILLE—Stroup S. P. Lumber Co.
*Swain-Karmire Lumber Co.
SHERIDAN—*Palmer George H. (Saw Mill)
SOUTH BEND—*Fullerton-Powell Hardwood Lumber Co. (Hardwood & Box Lumber)
Shafer-McLaughlin & Hiller, Inc.
TERRE HAUTE—*Hooton Lumber Co.
TYNER—*Powell Charles H. (Saw Mill)
VINCENNES—*Maley & Wertz (Saw Mill)
Updike J. B. & Co. (Saw Mill)
WASHINGTON—*Murdock Lumber Co. (Hardwood Lumber & Veneers, Fancy Figured Quartered Oak a Specialty)
WOODBURN—*Woodburn Lumber Co. (Saw Mill)

IOWA.

BELLEVUE—*Bittner Louis Lumber Co. (Hardwood)
BOONE—Fehleisen-Rosacker Lumber Co.
BURLINGTON—*Burlington Lumber Co. *(White Pine)
*Gilbert Hedge Lumber Co.
Rand Lumber Co.
CEDAR RAPIDS—Cedar Rapids Lumber Co.
Fay Bros. & Co.
Limback Lumber Co.
Williams & Hunting Co. (Planing Mill)
CLINTON—§Curtis Bros. & Co. (Mill Work, Pickets, Flooring, Siding, Ceilings, etc)
CORYDON—Corydon Lumber Co.
COUNCIL BLUFFS—§Bluff City Lumber & Coal Co.
Hafer C. Lumber Co.
§Hoagland Geo. A.
§Quinn H. A. Lumber Co.
DAVENPORT—*McClelland T. W. Co.
*Mueller Lumber Co. (Planing Mills. Yellow Pine, White Pine, Fir, Cypress Lath, Moulding)
*Roberts U. N. Co.
§Seiffert H. O. Lumber Co. (Shingles),
*Weyerhaeuser & Denkmann Co.
DES MOINES—*Gilcrest J. K. & W. H. Co.
*Green Bay Lumber Co.
Jewett Lumber Co.
*Queal Lumber Co.
§Wheeler Lumber Bridge & Supply Co.
*Wisconsin Lumber Co.
DUBUQUE—§Ernsdorff John Iron Co. (Hardwood Only)
*Farley & Loetscher Mfg. Co. (Sash, Doors, Blinds)
*Metz Mfg. Co. (Sash, Dors, Blinds, etc)
FORT DODGE—Conway Lumber Co.
Mason & O'Connell
FORT MADISON—*Atlee S. & J. C. (White Pine)
HAWARDEN—Schoeneman Bros. Co.
INDIANOLA—Harlan J. M. Lumber Co.
KEOKUK—Carter Mfg. Co.
*Taber Lumber Co.
MANCHESTER—*Wolcott Bros. (Lumber & Shingles)
MARSHALLTOWN—Buchwald Chas. A. Lumber Co.
Citizens Lumber Co.
MISSOURI VALLEY—Deur C. H.
MUSCATINE—*Muscatine Lumber & Coal Co.
NEWTON—*Skow Mfg. Co.
OSKALOOSA—§Hawkeye Lumber Co.
Kalbach Lumber Co.
OTTUMWA—Fletcher Lumber Co.
McGavic S. L. Lumber Co.
PARNELL—Home Lumber Co.
REINBECK—Porter Lumber Co.
SIOUX CITY—Ford Lumber Co.
*Fullerton Lumber Co.
Spaulding Avery Lumber Co.
WATERLOO—§Chapman C. W. Lumber Co.
Gronen Lumber Co.
§Jackson Lumber & Supply Co. (Shingles & Lumber)
*Nauman Co.
Waterloo Lumber Co.

KANSAS.

ATCHISON—*Carlisle Pennel Lumber Co.
CHANUTE—Chanute Lumber Co.
HUTCHINSON—§Hutchinson Lumber & Planing Mill Co.
IOLA—Northrup Lumber Co.
LEAVENWORTH—Lambert Lumber Co.
NEWTON—Swartz S. M., Lumber Co.
OLATHE—Hodges Bros.
PITTSBURGH—Sandford-Robinson Lumber Co.
ROSSVILLE—*Thomas J. Lumber Co.
TOPEKA—§Central Sash & Door Co.
§Thomas J. Lumber Co.
WICHITA—*Louisiana Red Cypress Lumber Co.
§Wichita Sash & Door Co.

KENTUCKY.

ASHLAND—*Ashland Lumber Co.
*Standard Planing Mill Co.
*Vansant, Kitchen & Co.
BARBOURSVILLE—*Minton T. W. & Son (Hickory Dimension Stock)
*Rathfon, Scent & Co.
BENTON—Treas. Lumber Co.
BOND—*Bond-Foley Lumber Co. (Saw & Planing Mills)
BONDURANT—Smith A. B. Lumber Co. (Saw & Planing Mills)
BONNIEVILLE—Stamp J. M. (Saw Mill)
BOWLING GREEN—Kister F. L., Jr., (Saw & Planing Mill)
*Roemer Bros. (Planing Mill)
Russell J. N. Lumber Co.
CADIZ—*Woodruff Planing Mill Co.
CAMPBELLSVILLE — *Campbellsville Lumber Co. (Hardwood)
CENTRAL CITY—*Central City Lumber & Mfg. Co.
CLAY CITY—*Brodhead-Garrett Co. (Saw & Planing Mills & Rough & Dressed Lbr. of all kinds)
CLEARFIELD—Clearfield Lumber Co. Saw & Planing Mills)
COVINGTON—Brownfield J. A., 33 W 8th, Dept. H
ELIZABETHTOWN—Bond Bros. (R. R. Crossties)
FROZEN CREEK—Day J. Taylor (Staves & Ties)
FULTON—Swain-Karmire Lumber Co.
GREENVILLE—*Greenville Milling Co.
HAZEL—*White J. T. & Son
HAZEL GREEN—Day J. Taylor
HEIDELBERG—*Forman Thomas Co. (Saw & Planing Mills)
HENDERSON—*Clore Joseph O. & Son (Lumber, Saw & Planing Mills)
*Rankin Lumber Co. (Saw Mill)
HIGHBRIDGE—Hughes J. D. Lumber Co. (Saw & Planing Mill)
HIGHLAND PARK—*Gamble Bros.
HOPKINSVILLE—*Forbes Mfg. Co.
IRVINE—Snowden A. D. & Bro. (Saw Mills)
KEAVY—Storm S. L. (Lumber, Staves & Ties)
Storm John (Saw Mill)
KINGS CREEK—Field A. J. & Son (Saw Mill)
KNOBLICK—Allen O. C. (Saw Mill)
LANCASTER—*Lancaster Lumber & Mfg. Co.
LEBANON—*Lebanon Lumber Co.
LENOX—Lenox Sawmill Co. (Saw Mill)
LEXINGTON—§Blue Grass Lumber Co.
§Comb. Lbr. Co.
*Curran Lumber Company
Geary W. J. Lumber Co. (Saw Mill)
§Hendricks-Moore Lbr. Co.
*Louise Lumber Co.
*Spotswood E. R. & Son (Hardwood)
LIMABURG—Rouse J. S. (Saw Mill)
LIVERMORE—*Quigg Mfg. Co. (Staves)
LOMBARD—Brodhead-Garrett Co. (Saw & Planing Mills)
LONDON—*London Mfg. Co. (Lumber)
§Murphy D. B. & Co.
LOUISVILLE—Brown W. P. & Sons Lbr. Co.
§Gamble Bros. (Yellow Pine, Yellow Poplar, Hardwood)
§Gernert Bros. Lumber Co. (Saw Mill)
§Graham S. P. Lumber Co., 310 Magazine
*Holly Ridge Lumber Co. (Saw Mill, Hardwood, Ash, Oak, Poplar, Walnut, etc)
Kirwan Bros. (Saw Mill), Fulton & Adams
*Koehler Hy. & Co. (Planing Mi Hardwood, Yellow Pine, et 12th & B'way
Louisville Point Lumber Co. (Sa Mill), 1146 Fulton
*Mengel C. C. & Bros. Co., (Saw Mill)
Ohio Valley Tie Co. (Hardwood)
§Russell Frank B. (Beer Staves)
*Wood Mosaic Co., Highland Park
MARYDELL—Gregory M. (Saw Mill)
MAYFIELD — Mayfield Planing Mill (Planing Mill)
MONICA—Hieronymus C. H. (Saw Mill)
MOREHEAD—*Bradley S. M. (Mfr. & W. Lumber, Staves, etc)
MUD LICK—*Webb Wm.
OWENSBORO—Owensboro Planing Mi Co. (Hardwood)
PADUCAH—§Faust J. H. & Co. (Thic Yellow Poplar)
*§Ferguson Hardwood Co. Inc.
*Langstaff-Orm Lumber Co. (Saw Planing Mill)
*Paducah Lumber & Mfg. Co.
Sherrill-King Mill & Lumber Co. (Saw Mill)
Sherrill-Russell Lumber Co.
*§Smith A. B. Lumber Co. (Hardwoo Lumber, etc.)
PINEVILLE—Asher-Creech Lumber Co
Card A. H. (Saw Mills & Southe Hardwood)
QUICKSAND—§Mowbray & Robinson Co (Saw & Planing Mills)
RICHMOND—*Richmond Lumber Co.
SALT LICK—*Salt Lick Lumber Co.
SCOTTSVILLE—*Thompson, Wade & Co
STEARNS—Stearns Coal & Lumber Co (Saw Mill)
VINEGROVE—Vinegrove Lumber Co.
WALTON—*Mayhugh J. D. Mfg. C (Lumber)
WEST IRVINE—§Mowbray & Robinso Co. (Saw Mill)
WINCHESTER—Scobee R. P & Son C Winchester Lumber & Mfg. Co.

LOUISIANA.

ALEXANDRIA—*Alexandria Lumber Co (Ltd.) (Long Leaf Yellow Pine)
§Caddo-Rapids Lumber Co., Lt (Saw & Planing Mills)
*Ball J. F. & Bro. Lumber Co. (Ltd.)
*Brenner Ferd. Lumber Co.
Enterprise Lumber Co. (Ltd.)
*Long Pine Lumber Co. (Saw & Pla ing Mills)
ALLEMANDS—*Bowie Lumber Co., Lt (Saw & Planing Mills)
ANSLEY—*Davis Bros. Lumber Co. (Lt (Yellow Pine)
ARABI—*St. Bernard Cypress Co. (Ltd.)
ARNAUDVILLE—Greig George
ATLANTA—*Germain & Boyd Lumber (Branch of Saginaw, Mich.)
BASKIN—*Baskin Lumber Co. (Saw Mil
BASTROP—*Sterling Lumber Co.
BATCHELOR—*Northern Lumber M Co.
BLANKS — *Barnes-Blanks Lumber (Saw Mill)
BOGALUSA—*Great Southern Lumber *Louisiana Lumber Co.
BONAMI—*King-Ryder Lumber Co. (L low Pine)
BONFOUCA—*Bayou Liberty Lumber (Saw Mill)
BOWIE—*Bowie Lumber Co. (Lt (Lumber & Shingle Mill)
BOYCE—*Boyce Lumber & Realty (Saw & Planing Mill)
BREAUX BRIDGE—Begnaud J. W. (Lu ber)
BROUSSARD—*Comeaux Lumber Co.
BUNKIE—*Haas W. D. & Co.
CAMPTI—Frost-Johnson Lumber Co. (Sa Mill)
CARSON—Delta Land & Timber Co. (S Mill)
CHENIRE—Benoit Clayton Lumber (Saw Mill)
CLARKS—Louisiana Central Lumber
CLAYTON—*Utley-Hollaway Co. Mill), (various Lumbers)
COLFAX—*Big Pine Lumber Co. (Ltd.) Iatt Lumber Co., Ltd.
CRAVENS—Pickering Land & Timber
CRESTON—*Black Lake Lumber & S gle Mill Co. (Saw Mill)
CREW LAKE—*§Faust Bros. Lumber (Saw Mill)
DENHAM SPRINGS—Brown W. F. & S (Saw Mill)
DE RIDDER—*Hudson River Lumber (Yellow Pine)
DONNER—*Dibert, Stark & Brown press Co. (Ltd.) (Cypress Lu Lath & Shingles, Mouldings, ish & Pickets, Hewn & Sawn & R. R. Timbers, etc.)
DUNN—*Cook Fred
ELIZABETH—*Industrial Lumber (Saw Mill)
EMAD—Peary-Byrnes Lumber Co. & Planing Mills)
EROS—*Tremont Lumber Co. (Sa Planing Mills)
EUNICE—*Newell Lumber Co., Ltd. & Planing Mills)

(Continued on following page)

umber—Continued

OUISIANA—Continued

FISHER—*Louisiana Long Leaf Lumber Co. (Yellow Pine)
RANKLIN—*Kyle Lumber Co. (Ltd.) (Cypress)
ROZARD—*Oliver A. C. (Saw Mill)
ULLERTON—*§Gulf Lumber Co. (Saw & Planing Mills)
ANDY—*Wyatt Lumber Co. (Saw & Planing Mills)
ARDEN CITY—Hanson Albert Lumber Co. (Ltd.) (Saw Mill)
ARYVILLE—*Lyon Lumber C. (Red Cypress)
LENMORA—*Louisiana Saw Mill Co. (Southern Yellow Pine, Cypress)
OODPINE—*Good Pine Lumber Co. (Saw Mill)
*Fall Timber Lumber Co.
RABOW—*Anacoco Lumber Co. (Saw & Planing Mills)
MMOND—Hammond Lumber Co. (Ltd.)
*Kent Amos Lumber & Brick Co.
*Natanbany Lumber Co. (Ltd.) (Yellow Pine)
ARVEY—*Louisiana Cypress Lumber Co. (Ltd.) (Red Cypress, Lumber & Shingles)
AUGHTON—Johnson H. H. Lumber Co. (Saw Mill)
ODGE—*Hule-Hodge Lumber Co. (Ltd.)
OMER—*Burkholder S. Lumber Co. (Saw & Planing Mill)
OUMA—Houma Cypress Co. (Ltd.)
YAMS—*Riel Geo. F.
NDEPENDENCE—*Independence Veneer & Box Mfg. Co., Ltd.
EANERETTE—Jeanerette Lumber & Shingle Co., Ltd. (Cypress)
*Planters' Lumber Co. (Ltd.) (Cypress, Lumber, etc)
ONESVILLE—*Wheeler Harvey M. Lumber Co. (Saw Mill)
ENTWOOD—*Brooks-Scanlon Co. Lumber Mfrs. (Long Leaf Yellow Pine, Band & Gauged, Sawed Planing (Mill Work, etc.)
*Kent Amos Lumber & Brick Co. (Ltd.) (Yellow Pine)
AKE CHARLES—*Bel J. A. Lumber Co. (Ltd.) (Yellow Pine)
*Hodge Fence & Lumber Co. (Ltd.) (Saw Mill, Lumber, Fencing & Yellow Pine)
*Martin Tram Co. (Logging)
*Powell Lumber Co. (Ltd.) (Lumber, Yellow Pine & Saw Mill)
KE PROVIDENCE—Desha Lumber Co. (Saw Mill)
NG LEAF—*Crowell & Spencer Lumber Co. (Ltd.) (Yellow Pine)
NGSTREET—*Holmes L. T. (Saw Mill)
TTIE—Wilson & Cochran (Cypress)
DINGTON—*Ludington Lumber Co.
TCHER—*Lutcher & Moore Cypress Lumber Co. (Ltd.) (Red Cypress)
NARY—*Cady W. M. Lumber Co. (Yellow Pine)
ADISONVILLE—*Madisonville Saw & Planing Mill
ANDEVILLE—Poitevent & Favre Lumber Co. (Southern Yellow Pine)
NSFIELD — *Frost-Johnson Lumber Co. (Branch of Shreveport)
EKER—*Holly Ridge Lumber Co.
RIDIAN—Meridian Lumber Co., Ltd. (Saw Mill)
TONBERG—*Brewer Nienstedt Lumber Co. (Saw & Planing Mills)
DEN—*Minden Lumber Co.
NROE—*Grayling Lumber Co. (Branch of Detroit, Mich.)
*Holly Ridge Lumber Co. (Saw Mill)
Lenwil Sawmill Co. (Saw & Planing Mills)
* No. Louisiana Shingle Mfg. Co. (Ltd.) (Shingle Mill)
NTROSE—Frost-Johnson Lumber Co. (Saw Mill)
RGAN CITY—*Brownell-Drews Lumber Co. (Ltd.) (Cypress Lumber & Shingles)
Chapman-Storm Lumber Co. (Shingles)
*Cotton Bros. Cypress Co. (Ltd.) (Lumber & Shingles)
RLEY—*Morley Cypress Co. (La. Cypress)
ND—Pelican Lumber Co., (Saw Mill)
OLEONVILLE — *Napoleon Cypress Co. (Ltd.)
ALBANY—*Natalbany Lumber Co. (Ltd.) (Yellow Pine)
ME—Delta Land & Timber Co. (Saw & Planing Mills)
IBERIA—*Renoudet P. L. Lumber Co. Ltd.) (Saw Mill)
ORLEANS—*Algiers Saw & Planing Mill Co., 429 Patterson
*Ascension Red Cypress Co., Ltd.
§Bateman J. B. Jr., Whitney bldg
§Boudreaux L. S.
*Carre W W. Co., Ltd. (Yellow Pine Exporters), 814 Hibernia bldg
Crawford C. L., 423 Carondelet bldg
Creosoted Materials Co. Inc., Queen & Crescent bldg
Downman R. H., Poydras bldg
Higgins A. J. Lumber & Export Co., Whitney bldg
Home Lumber Co., Hibernia bldg
Knoop Otto Lumber & Realty Co., 1217 Julia
Louisiana Red Cypress Co. (Rough & Dressed Red Cypress & Hardwoods), 814 Perdido
*Moore Lucas E. Stave Co., Hibernia bldg
§Opdenweyer-George Lumber Co., Perdido & Lopez
*Otis Mfg. Co., Octavia & River (Mahogany)
§Poitevent & Favre Lbr. Co., L. & L. & G. bldg
§Rees-Scott Co., Ltd. (Exporters Staves & Lumber), Carondelet bldg
Robinson Lumber Co, 717 Whitney (Yellow Pine, Satin, Walnut, etc),
*Ruddock Orleans Cypress Co., Carrollton av & New Basin (Cypress Lumber)
*Salmen Brick & Lumber Co., Ltd., 3901 Carrollton
Southern Pine Ass'n
§Southern Saw Mill Co., Ltd., Whitney bldg (Red Cypress)
Standard Export Lbr. Co. (Yellow Pine), Whitney Central bldg
Thomas G. H. A. Co., Broad & Poydras
OAKDALE—§Bowman-Hicks Lumber Co., (Saw & Planing Mills)
Forest Lumber Co. (Cypress, Southern Yellow Pine)
OXFORD—Roberts Lumber & Grain Co., Inc. (Saw & Planing Mills)
PATTERSON—Williams F. B. Cypress Co., Ltd.
PEASON—*Peavy-Wilson Lumber Co. (Saw & Planing Mills)
PICKERING—*Pickering W. R. Lumber Co. (Yellow Pine). (See Kansas City, Mo.)
PLAQUEMINE—Moorman E. S. & Son
Plaquemine Stave & Heading Co. (Ltd.)
*Schwing Lumber & Shingle Co. Ltd. (Cypress)
*Wilbert's A. Sons Lumber & Shingle Co. (Red Cypress, Lumber & Shingles)
PLATTENVILLE—*Baker-Wakefield Cypress Co. (Cypress & Hardwood)
PONCHATOULA—Williams Lbr. Co.
RAGLEY—Ragley W. G. Lumber Co. (Saw Mill)
ROCHELLE—*Tremont Lumber Co. (Saw & Planing Mills)
RUSTON—*Reed Bros. Lbr. Co.
*Ruston Mfg. Co. (Planing Mill)
ST. JAMES—*Bowie Lumber Co. (Saw & Planing Mills)
ST. MARTINVILLE—§Burdin J. J. & Bro. Lumber & Saw Mill)
SALINE—*Payton Bros. Lumber Co.
SELMA—*Grant Timber & Mfg. Co. (Yellow Pine)
SHAMROCK—*Brown Lumber Co. (Saw & Planing Mills)
SHREVEPORT—*Bolinger S. H. & Co. (Ltd.), (Saw Mill & Planing Mills)
*Frost-Johnson Lumber Co.
*Peavy-Byrnes Lumber Co. (Calcasieu Long Leaf Virgin Pine)
§Shreveport Lumber Co. (Hardwood)
§Snyder Wagon Co., Ltd. (Saw Mill)
*Victoria Lumber Co. (Ltd.), (Planing Mill, etc)
*Weaver Bros. (Saw Mills)
*Werner Louis Stave Co.
SLIDELL—Salmen Brick & Lumber Co. (Saw & Planing Mills)
Southern Creosoting Co., Ltd. (Saw & Planing Mills)
SONDHEIMER—Sondheimer & Co. (Saw Mill)
SORRENTO—Opdenweyer-Alcus Cypress Co.
SPRINGFIELD—*Springfield Lbr. Co., Ltd.
Thomas G. H. A. (Saw Mill)
SPRINGHILL—*§Pine Woods Lumber Co. (Saw & Planing Mills)
STANDARD—Louisiana Central Lumber Co. (Saw Mill)
*Powers & Critchett (Saw & Planing Mills)
TIMBERTON—Excelsior Cypress Co. (Saw & Planing Mill)
TIOGA—*Lee Lumber Co. (Saw & Planing Mills)
TROUT—Trout Creek Lumber Co. (Saw Mill)
URANIA—Urania Lumber Co. (Ltd.), (Long Leaf Yellow Pine, R. R. Construction & Car Materials)
VICTORIA—Louisiana Longleaf Lumber Co. (Saw & Planing Mills)
WASHINGTON—Gibbins T. C. (Saw Mill)
*Thistlewaite Lumber Co. (Ltd.), (Saw Mill)
WESTLAKE—*Krause-Managan Lumber Co. (Ltd.)
*Lock, Moore & Co. (Ltd.), (Long Leaf Yellow Pine)
WILDSVILLE—Baxter Lumber Co. (Saw Mill)
WINNFIELD—*Mansfield Hardwood Lumber Co.
WISNER — *§Pritchard-Wheeler Lumber Co. (Saw & Planing Mills)
WOODWORTH — *Rapids Lumber Co. (Ltd.), (Yellow Pine)
ZIMMERMAN—*Bentley J. A. Lumber Co. (Yellow Pine)
ZWOLLE—Sabine Lumber Co. (L. L. Yellow Pine)

MAINE.

ALEXANDER — *Dowelley George B. (Shingles)
ALFRED—*Jordan B. C.
ARROWSIC—*Crosby Bros. Co. (Saw Mill)
AUBURN—*Hutchins H., Wesley Co. (Basswood Veneer)
*Winter Frank W.
AUGUSTA—*Augusta Lumber Co. (Pine & Spruce Lumber, Lath & Shingles)
Viles & Gannett
BANGOR—*Bangor Lumber Co.
*Cassidy John & Son
Eastern Mfg. Co.
*Morse & Co. (Saw & Planing Mills)
BARING—*Chase-Granville Co. (Saw & Planing Mills)
BAR MILLS—*McKenney Chas. H.
BATH—*Bath Box Co. (Saw & Planing Mills)
*Passmore H. T. (Lumber & Mill Work)
BETHEL—*Thurston R. W. & W. H.
BIDDEFORD—Deering J. G. & Son (Saw & Planing Mills)
BINGHAM—Bingham Lumber Co. (Saw & Planing Mills)
BREWER—Penobscot Lumber & Box Co. (Planing Mill)
BRISTOL—*Musconguss Lumber Co. (Saw & Planing Mills)
CALAIS—Eaton H. F. & Sons
CASCO—*Hancock S. O.
DANFORTH—Putnam H. H. (Saw Mill)
EAGLE LAKE—Fish River Mfg. Co. (Saw & Planing Mills)
ELLSWORTH FALLS—*Treworgy, Chas. J. Corp. (Staves, Headings, Shingles & Box Shooks)
§Whitcomb, Haynes & Whitney (Spruce & Hemlock Lumber, Lath & Shingles)
GARDINER—*Gray Joshua & Sons (Lumber, Shingles & Lath)
LIMESTONE—*Noyes A. L.
LONG POND—*Kellogg Lumber & Mfg. Co. (Saw & Planing Mills)
MILFORD—Barker Lumber Co. (Saw Mill)
MILLINOCKET—Rush Frank W. (Saw & Planing Mills)
MILO—*Boston Exclesior Co. (Saw & Planing Mills)
NEW GLOUCESTER—Chandler Bros.
NORWAY—*Cummings C. B. & Son, Dept. H
OLD TOWN—*Jordan Lumber Co. (Box Shooks & Lumber)
*Wing-Engel Box Co. (House Finish, Box Shooks, etc)
PASSADUMKEAG—Passadumkeag Lumber Co. (Saw Mill)
PORTLAND—*Allen Wm. A. Co. (Wood Mantels, Tiling of all kinds, Posts, Rails, Columns, etc., House & Church Finish), 28 Ocean av
*Brown Co. (Spruce Lumber, Clapboards, Shingles, Lath Pickets, Dimension Boards, etc.)
Hamlen J. H. & Son (White Pine & Spruce), Masonic bldg
*McDonald Mfg. Co., 54 York
*Richardson, Dana & Co. (So. Pine, Cypress & Hardwood), 326 Commercial
RUMFORD—*Dunton Lumber Co. (Saw Mill)
SHIRLEY MILLS—*Shirley Lumber Co.
SOLDIER POND—Daigle A. F. & Son (Saw Mill)
SOLON—Solon Lumber Co. (Saw & Planing Mills)
STRONG—*Starbird C. V. (Saw & Planing Mills)
VAN BUREN—*Hammond Lumber Co. (Saw & Planing Mills)
*St. John Lumber Co. (Saw & Planing Mills)

MARYLAND.

BALTIMORE—§Alcock John L. & Co. (Exporters of Hickory, Oak, Poplar & Walnut), Munsey bldg
§Asendorf J. H. & Co. (Ga., N. C. & Va. Yellow Pine), Stewart bldg
Baer R. P. & Co. (Hardwood), Md. Casualty Tower
§Burgan Lumber Co. (N. C. Pine, Cypress & Shingles), American bldg
§Canton Lumber Co. (Kiln Dried N. C. Pine, Ga. & Va. Sizes), Boston
§Carter David T. & Co., Bush & Nanticoke
§Dill Lewis & Co. (Long & Short Leaf Yellow Pine), Keyser bldg
§Edwards B. W. & Sons (Short & Long Leaf Yellow Pine), 17 S Gay
Georgia Pine Co. (Cedar & Pine), Elliott & Linwood av.
§Gilbert J. L. & Bro. Lumber Co., Garrison La. & P. R. R.
§Heise & Bruns Mill & Lumber Co., 600 S Caroline
§Horstmeier Lumber Co. (N. C. Pine), Stiles & E Falls av
HOSKINS J. S. LUMBER MFG. CO. (Pine & Hardwood Lumber, Ties, Piling, Poles, Posts, Spars, Masts, Ship & Decking Timbers, Knees, Treenails, etc), 1400 Hearst Tower bldg
See adv index at end of book
Jackson E. E. Lumber Co. (Long Leaf Yellow Pine), Keyser bldg

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CYPRESS and CALIFORNIA REDWOOD

OUR SPECIALTIES

WOOD GUTTERS, CONDUCTORS AND MOULDINGS

"Everything in wood and woodwork"

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100 TAYLOR ST. ESTABLISHED 1849 **BOSTON, MASS.**

•James Lumber Co., 921 Aliceanna
Johnson, Greenleaf & Son (Rough N. C. Pine & Hardwoods), Marine Bank bldg
Lafayette Mill & Lumber Co., Lafayette av & P B & W R R
§Matthews Thos. & Son (Timber, Yellow, White & Oregon Pine, Cypress Oak & California Redwood), Clare
Merryman, Ridgaway (Va. & N. C. White Pine & Cypress), Marine Bank bldg
§Natwick J. & Co. (Hardwoods), Munsey bldg
§Ryland & Brooks Lumber Co. (Va., N. C. & Ga. Pine & Hardwood Framing Board & Dressed Lumber), American bldg
•Surry Lumber Co., Union Trust bldg
§Waggner Lewis Co. (Long & Short Leaf Yellow Pine), Wolfe & Thames
•Wood R. E. Lumber Co. (Hardwood), Continental Trust bldg

BERWYN—•Bewley Geo. P. (Saw Mill)

CAMBRIDGE—•Cambridge Mfg. Co. (Lumber, Barrels, etc)

CRELLIN—Kendall Lbr. Co. (Saw & Planing Mills)

CUMBERLAND—§Billmeyer Lumber Co. Lumber)
•Union Lumber Mfg. Co.

HAGERSTOWN—§Dennison Lumber Co.

SALISBURY—Adkins E. S. & Co. (Inc.), (Lumber, Flooring, Box Shooks, etc)
Day Wm. M. (Saw Mill)
•Disharoon C. R. Co. (Saw & Planing Mills)
•Jackson Bros. Co.
•Tilghman Wm. B. Co. (Shingles, etc)

SNOW HILL—Corddry Co., Inc. (Saw & Planing Mills)

MASSACHUSETTS.

BOSTON—•Atlantic Lumber Co. (Hardwoods, Whitewood, N. C. Pine), 19 Milk
§Barker Wm. G. Co., 18 Tremont
§Bickford H. M. Co. (Poplar, Hardwood & N. C. Pine), 54 Kilby
•Blacker & Shepard Co., 409 Albany
§Blanchard Lumber Co., 126 State
§Boston Lumber Co. (Pine & Hardwood), 79 Milk
§Boston Oregon Mast Co. (Pacific Coast Lumber Products Decking Lumber, Red Cedar, Shingles, Masts, Spars & Piling), 131 Coleridge, E Boston
§Buzzell E. H., 76 Roland ct
§Chester W. R. & Co., 89 State
§Connecticut Valley Lumber Co. (Spruce, Pine, Hemlock & Hardwoods), 147 Milk
§Curtis Wm. Sons Co., 30 Eustis
§Curtis & Pope Lumber Co., 783 Massachusetts
§Hall Lumber Co. (Northern, Eastern & Southern Lumber), 101 Milk
§Hammond Edw J. Co. (Hard & Soft Wood), 79 Milk
§Haskins Wm. & Son, 110 State
•Huckins P. S. Co. (Georgia Yellow Pine), 40 Central
§Jones Hardwood Co., 161 Devonshire
§McQuesten Geo. Co., 27 Kilby
§Noyes Walter D., 84 State
§Palmer & Parker Co. (Mahogany, Hardwood Lumber & Veneers), 103 Medford Chan
§Parker & Page Co. (N. C. Pine, Cypress & Hardwood), 40 First, E. C.
St. Croix Paper Co. (Spruce & Hemlock Boards), 244 Washington.
§Shepard & Morse Lumber Co. (Cypress & Hardwood), 201 Devonshire
STEARNS A. T. LUMBER CO. (Cypress, Yellow Pine, Ash and Other Wood Doors, Sash, Blinds, Building Trim, Cabinet Work, Flooring, Shingles, Tanks, etc.), 100 Taylor
See adv index at end of book
§Stebbins H. B. Lumber Co., 89 State
§Stetson-Cutler & Co., 141 Milk
Stiles H. A. & Co. (Dimension Hardwood), 166-174 Portland
See adv index at end of book
§Stone Lumber Co., 50 Congress
Weston W. M. Co. (Hardwood), 80 Federal
§Wiggin H. D. (Hardwood), Fiske bldg.
Wiggins H. H. & Co. (Ind. & Southern Hardwood & Imp. of Mexican Mahogany), 50 Terminal
§Wood A. M. Co., Charlestown
§Wood Jas. A., Ames bldg.
Woodstock Lumber Co. (Saw & Planing Mills)

FALL RIVER—•Erickson G. & Bro. (Saw & Planing Mill)
•Prosser Wm. & Son

FITCHBURG—§Lawrence Harry A. & Co.

HAVERHILL—•Hayes C. H. Corp (Saw Mill)

LAWRENCE—•Lawrence Lumber Co. (Lumber & Mfr. Boxes)
•Pingree D. W. Co. (Lumber & Mfr. Boxes)

LOWELL—•Allen Otis & Son Co. (Lumber, Mouldings & Boxes)
Burnham & Davis Lumber Co. (Shingles, Clapboards, etc)
•Cady Geo. L. & Sons (Lumber, Packing Boxes, Box Shooks, etc)
•Cheney Frank P. (Boxes, Box Shooks, Cloth Boards & Dealer in all kinds of Lumber)
•Davis & Sargent Co. (Lumber, Packing Boxes, Planing Mill, etc.)
•Pratt, Amasa Co. (Veneered Doors, etc)

MARBLEHEAD—Bowden Thos. J. & Son (Saw Mill)

MILLBURY—Rice A. W. (Saw Mill)

MONSON—Squier & Co.

NEW BEDFORD—Acushnet Sawmill Co. (Saw & Planing Mills)

NORTH ADAMS—Dibble S. B. Lumber Co.

NORTH READING—•Upton Henry A. (Saw Mill)

PITTSFIELD—§Berkshire Lumber Co.
§Ferry C. S. & Son, Inc.

ROCK—•Atwood L. O. (Saw & Planing Mills)

SPRINGFIELD—§Alexander Geo. F. Lumber Co. (Eastern White & N. Car. Pine), Dept. H, 257 Main
Angers J. A. & Bro. (Shingles), 363 Eastern av
Dutton & Calhoun, 145 State
§Rice & Lockwood Lumber Co (Pine Hardwood Shingles), 307 Main

TOWNSEND—Adams U. S. & Co. (Saw Mill, Cooperage)
Fessenden B. & A. D. Co. (Saw Mill, Cooperage, Lumber)

TYNGSBORO—Sherburne Bros.

WALPOLE—Morse H. A. & Co. (Saw Mill)

WARWICK—Williams C. A. (Saw Mill)

WESTBORO—•Bartlett Box & Lumber Co. (Saw Mill)

WEST STERLING—Buck T. & E. R. (Chair Mfr. & Saw Mill)

WORCESTER—§Hackwell E. A. & Co (Southern Pine, Canada, Western & Northern Lumber), 20 Haskfeld road
§Stone & Berg Lumber Co., 95 Stafford

MICHIGAN.

ALPENA—•Holmes Geo. H. & Co. (Cedar & Hemlock Bark)
•Island Mill Lbr. Co. (Saw Mill)
Michigan Veneer Co.
•Richardson Lumber Co. (Lumber & Saw Mill)

ANN ARBOR—•Luick Bros. & Co. (Lumber & Interior Finish)

ATLANTIC MINE—Stratton D. A. Lumber Co.

BANNISTER—Letts R. G. (Saw & Planing Mill)

BARAGA—•Baraga Lbr. Co. (Saw Mill)

BAY CITY—§Black Robert & Co. (Pine & Hardwood)
•Bradley, Miller & Co. (Lumber, Shingles, Lath & Box Shooks)
•Eddy Bros. & Co. (White Pine & Mill Work)
•Foss E. B. (White Pine Lumber, Laths & Shingles)
•Goldie Wm. Jr. (Cooperage Stock)
•Handy Bros. (Box Shooks)
Hanson-Ward Veneer Co.
•Kneeland Bigelow Co. (Pine, Hemlock & Hardwood)
•Lamont Matthew Sons Co. (Planing Mill, Lumber, Sash, Doors, etc)
•Lewis Mfg. Co. (Sash, Doors, Lumber)
•Nickless W. H. (Box Shooks & Crates, Flooring & Car Planing)
Richardson Lumber Co. (Saw Mill)
§Ross & Wentworth (Saw Mill)
Vance E. J. Box Co. (Box Shooks)
•Young W. D. & Co. (Hardwood Lumber & Flooring)

BERGLAND—•Bergland Lumber Co. (Saw Mill)

BIG BAY—•Lake Independence Lumber Co. (Saw & Planing Mills)

BIG RAPIDS—•Hood & Wright (Veneer & Panels)
•Ward Bros. (Bicycle Woods & Lumber)

BOYNE CITY—•Boyne City Lumber Co.
•White W. H. Co. (Hemlock, Maple, Soft & Rock Elm, Basswood, Beech, Cedar, Shingles, Tan Bark, etc)

CADILLAC—•Cadillac Veneer Co.
Cobbs & Mitchell (Maple Flooring, etc)
•Cummer-Diggins Co. (Hemlock & Maple Flooring)
•Mitchell Bros. Co. (Maple, Red Oak, Beech Flooring, Basswood Bevel Siding, Mich. Hardwood, Hemlock Lumber & Lath)

CALUMET—•Armstrong-Thielman Lumber Co. (Lumber, Lath, Shingles, Mouldings, etc)

CEDAR—•Culver M. A. & Son (Planing Mill)

CEDAR RIVER—•Crawford Samuel & Sons (Lumber)

CHARLEVOIX—Charlevoix Lumber Co. (Hardwood, Hemlock & Pine)

CHASSELL—•Worcester Lumber Co. (Saw & Planing Mills)

CHEBOYGAN—§Embury-Martin Lumber Co.
Olds M. D. (Lumber, Lath & Staves)

COLEMAN—•Curtice J. E. (Cooperage)

DAGGETT—Perrizo Paul
Weng L. E. & Son (Cedar)

DETROIT—§Acme Lumber Co., 2127 Fenkill av
•Alger Smith & Co., 1st Nat. Bk. bldg
§Anketell Lumber & Coal Co., Dime 2530 Gratiot
•Brownlee Co. (Lumber & Telegraph Poles), River Rouge
Danaher R. E., 508 Griswold
•Detroit Lumber Co. (Lumber & Saw Mill), Jefferson & Junction avs
•Dwight Lumber Co. (Maple & Oak Flooring & Cigar Box Lumber, etc.), River Rouge
•Grace Harbor Lumber Co. (Hardwood, White Pine, Norway, Hemlock, etc), 189 Minnie
•Grayling Lumber Co. (Arkansas Lumber), Ford bldg
•Harding H. W. Lumber Co. (Pine & Hardwoods), Hamilton blvd & Midland av
§Hunton & Weeks, 4825 Russell
Kanouse H. W. Lumber Co., 1st Natl. Bk. bldg

(Continued on following page)

Lumber—Continued

MICHIGAN—DETROIT—Continued
Kotcher C. W., 2137 Gratiot
•National Mfg. Co. (Slack Cooperage Stock for Flour, Cement, Lime & Sugar Barrels), General Motors bldg
•Restrick Lumber Co. (Lumber & Planing Mill), 992 Vinewood av
•Sibley F. M. Lumber Co.
§Sicklesteel Lumber Co. (Hardwoods), 220 Forman av
DOWAGIAC—§Judd Wm. F.
EAST JORDAN—•East Jordan Lumber Co. (Saw & Planing Mills)
EDMORE—•Pfeiffer & Burch (Shingles)
ESCANABA—•Andrews James R.
•Erickson & Bissell (Piling, Ties & Posts)
•Andrews James R.
National Pole Co.
•Stephenson J. Co. (Saw & Planing Mill)
ESSEXVILLE—Courval & Co., (Shingles)
FLINT—•Flint Lumber Co. (Planing Mill)
FOSTER CITY—•Morgan Lumber & Cedar Co. (White Pine, Idaho Pine, Basswood, Ash, Elm, Maple, Oak, Hemlock, etc; Shingles, White Cedar, Red Cedar & Pine). Office, Oshkosh, Wis.
FRANKENMUTH — Veltengruber Bros. (Saw & Planing Mill)
GAYLORD—Humphrey Bros. (Planing & Saw Mills)
GLADSTONE — •Northwestern Cooperage & Lumber Co.
GOBLEVILLE—•Clement J. L. & Sons (Saw & Planing Mill)
GRAND RAPIDS—•§Angell H. C. & Co. (Lumber & Shingles)
•Antrim Iron Co. (Saw Mills)
•Dennis A. L. Salt & Lumber Co. (Hardwoods & Maple & Birch Flooring)
Engel Lumber Co.
•Follmer C. C. & Co. (Lumber & Shingles)
Grand Rapids Lumber Co. (White Pine, Hemlock, Hardwood, etc)
Grand Rapids Veneer Wks. (Saw Mill)
•Hughart W. O. Jr. (Hardwood)
Nichols & Cox Lumber Co. (Hardwood, Cottonwood & Hardwood Flooring)
Spears Lumber Co.
Stiles Bros. Co.
Turtle Lake Lumber Co.
•Van Keulen & Winchester Lumber Co. (Hardwoods) Crating Stock, etc)
§Wagner G. N. Lumber & Shingle Co. (Pine & Red Cedar Shingles & Pine & Hemlock Lumber)
GRAYLING—•Kerry & Hanson Flooring Co.
•Sailing-Hanson & Co. (White Cork & Norway Pine)
HARBOR SPRINGS—•Crowl Lumber Co. (Saw Mill)
•Harbor Springs Lumber Co.
HART—•Bennett Lumber & Mfg. Co.
Hart Cedar & Lumber Co.
HARTFORD—Walker L. P. (Saw Mill & Hoop Mill)
HASTINGS—Lombard John T. (Hardwood)
HERMANSVILLE—•Wisconsin Land & Lumber Co. (Hemlock & White Pine Lumber, White Cedar Shingles, Basswood Ceiling, Siding, Mouldings, Hardwood Flooring, etc)
HOLLAND—Scott-Luggers Lumber Co.
HOLLY—•Michigan Truck & Lumber Co.
INGALLS—•Carley Ira (White Cedar Posts, Poles & Shingles)
IRON MOUNTAIN—•Von Platen Lumber Co. (Maple, Birch, Basswood, Elm, Ash, Hemlock & Pine)
IRONWOOD—•Scott & Howe Lumber Co.
ISHPEMING—§Consolidated Fuel & Lumber Co.
JOHANNESBURG — •Johannesburg Mfg. Co. (Basswood)
KINGSLEY—•Case & Crotser
L'ANSE—•Stearns & Culver Lumber Co. (Saw & Planing Mills)
LANSING—•Lansing Co. (Gum & Cottonwood Box Lumber, etc.)
LUDINGTON—Carrom Co. (Backing Lbr.)
Stearns & Culver
Stearns Salt & Lumber Co.
MANCELONA—•Antrim Iron Co. (Saw Mill)
MANISTEE—•Buckley & Douglass Lumber Co. (Timber, Lath & Shingles)
•Sands Louis Salt & Lumber Co. (Pine, also Lath & Shingles)
MANISTIQUE—•Consolidated Lumber Co. (Saw and Planing Mills)
MARQUETTE—•De Haas N. G.
Marquette Box & Lumber Co.
Schneider & Brown Lumber Co.
MAYFIELD—•Gibbs Mrs. J. L. (Saw & Shingle Mill)
MENDON—Austin Frank Co. (Lumber & Planing Mill)
MENOMINEE—Crawford Mfg. Co. (Boxes)
•Crawford Cedar Co. (White Cedar)
•Mansfield Walter C.
§Thompson-Wells Lbr. Co. (Pine, Hemlock & Cedar Lumber, Lath & Shingles)
•Wells John W. Lumber Co. (Pine, Hemlock, Hardwood & Cedar Lumber, Lath & Shingles)
MIDLAND—•Brown C. (Lbr & Planing Mill)
Hardware & Hemlock)
MUSKEGON — Sanger Lumber Co. (Saw Mill, Lumber), Saw Mills at Sanger, Cal.
NADEAU—•Nadeau Bros. (White Cedar & Hardwood)
NAHMA—•Bayde Noguet Co. (Saw Mill)
ONAWAY—•American Wood Rim Co.
•Lobdell Emery Mfg. Co. (Hardwood Lumber, Shingles, Maple Flooring, Ties, Poles & Posts)
ONTONAGON—•Hawley John
Hawley John (Saw & Planing Mills)
•Greenwood Lumber Co. (Saw & Planing Mills)
OSCODA—•Solomon-Hayes, Cowley Co. (Saw Mill)
PELLSTON—•Jackson & Tindle
PENTWATER—Sands Gardner T.
PEQUAMING—•Hebard Chas. & Sons (Saw & Shingle Mill)
PETOSKEY—•McManus W. L. Lumber Co. (Hardwood & Soft Lumber)
Michigan Maple Block Co. (Lumber & Butchers' Blocks)
PORT HURON—§Haynes Lumber Co. (Lath, Shingles, Lumber, Posts, etc)
RAPID RIVER—Madden Jerry Shingle Co. (Shingles, etc)
REED CITY—•Horner Wm. (Hardwood Flooring)
•Welsh & Kerry Co. (Flooring)
ROSE CITY—Rose City Mfg. Co. (Cooperage Stock)
SAGINAW—§Batchelor Timber Co. (Saw Mill & Lumber)
•Bliss & Van Auken (Maple Flooring)
•Booth & Boyd Lumber Co. (Lumber, Lath, Shingles & Mill Work)
Brewer F. P. & W. A. (Timber, etc)
•Briggs & Cooper Co. (Ltd.), (Pine, Oak, Ash, Cedar Shingles, etc)
Cornwell Lewis (Estate of) (Saw Mill, Lumber)
•Eastman S. L. Flooring Co.
§Fleischman John L. (Hardwoods)
§Fordney J. W. (Lumber & Logs)
•Furstenberg Bros. (Planing Mill, Lumber)
•Gardner, Peterman & Co. (Cooperage Stock & Shingles)
Germain & Boyd Lumber Co. (Saw & Planing Mill)
§Hill Arthur & Co. (Ltd.), (Pine Lumber)
Hill-Drummond Lumber Co.
Markey Wm. T. (Hardwood, Lumber & Shingles)
•Mershon, Eddy Parker Co. (Lumber, Box Shooks, Shingles, Laths & Mill Work)
Richardson E. Co. (The) (Timber)
§Rupp J. J. (Pine Logs & Lumber)
•Strable Lumber & Salt Co. (Hardwood)
Wylie & Wilson (Slack Cooperage Stock for Flour, Sugar, Cement, etc)
SAGOLA—Sagola Lumber Co. (Saw & Planing Mills)
ST. IGNACE—Jones & Kerry Lumber Co.
SAULT STE MARIE—•Chicago Mill & Lumber Co. (Saw Mill)
SEBEWAING—•Liken & Bach (Stable & Heading)
SHELLDRAKE — •Bartlett Lumber Co. (Saw Mill)
SIDNAW—•Prickett Walter S. (Timber, etc)
SPRINGPORT—Hoag Lbr. Co., Dept. H
STANDISH—Hall, C. F. Milling Co.
TEKONSHA—Randall A. H. Mill Co. (Saw Mill)
THOMASTON—Valley City Lumber Co., Ltd. (Saw & Planing Mills)
THOMPSON—•Chesbrough A. M. (Saw Mill)
TRAVERSE CITY—•Greilick Mfg. Co. (Lumber, Planing & Saw Mill)
Hull-Longnecker Co. (Lumber)
Smith & Hull Co. (Timber, Logs, Bark & Wood)
•Williams W. E. Co.
TROUT CREEK—Trout Creek Mfg. Co.,
•Weidman & Son Co. (Hardwoods & Hemlock)
TROUT LAKE—Wilwin Co., Ltd. (Saw Mill)
TWINING—•McCready John (Saw Mill & Lumber)
VANDERBILT—Olds & Hixson (Stave Mfrs)
Yuill Bros. (Loggers)
VERMONTVILLE — Fuller Bros. (Saw Mill)
WALLOON LAKE—Walloon Lake Lumber & Shingle Co.
WATERS—Stephens Henry & Co.
WELLS—•Stephenson I. Co. (Flooring Maple, Maple, Clear & Bird's-eye Maple, Clear & Bird's-eye Maple Flooring, Clear & Red Birch Flooring, etc)
WHITEHALL—•Covell Lyman T. (Lumber, Lath & Shingles)
•Nufer Cedar Co. (Lumber, Shingles & Tin Plate Boxes)

MINNESOTA.

AITKIN—Hodgeden S. H.
Knox Lumber Co. (Lumber)
AKELY—Red River Lumber Co. (California White & Sugar Pine, Cut Sash & Door Stocks & Box Shooks)
ALBERT LEA—Minnesota Lumber Co.
BAYPORT—•Anderson Lumber Co.
BEMIDJI—Crookston Lbr. Co. (Northern Pine & Hemlock)
CASS LAKE—•Nelis J. Lumber Co. Dimension & Timbers; also Boards & Strips Sawed from Norway White Pine; also at Sank Rapids, Minn.)
CLOQUET—•Cloquet Lumber Co. (White Pine Lumber & Saw Mill)
Cloquet Tie & Post Co.
•Johnson-Wentworth Lumber Co. (White Pine Lumber, Lath & Shingles, Saw Mill)
•Northern Lumber Co. (White Pine Lumber)
DEER RIVER—Itasca Lumber Co. (Saw & Planing Mills)
DETROIT—•Bakke S. W. Lumber Co.
DULUTH—•Burns Lbr. Co.
Duluth Lumber Co.
•Heimbach Lumber Co.
§Martin Bros. (Ties & Poles)
•Scott-Graff Lumber Co. (Lumber, Lath, etc)
•Swallow & Hopkins, Exchange bldg
•Virginia & Rainy Lake Co.
•Woodruff Lumber Co.
Zenith Box & Lumber Co., 43rd av W & Traverse
EVELETH—Saari Bros. Lumber Co.
FAIRBANKS—Dunka River Lumber Co. (Saw & Planing Mills)
LITTLE FALLS—•Pine Tree Mfg. Co. (White Pine & White Cedar Posts, Shingles, etc)
MAYNARD—•Maynard Lumber Co.
MINNEAPOLIS—Backus Brooks Co., Bldrs' Exchange
Bartelme Co., Metropolitan Life bldg
•Bowman S. H. Lumber Co., Lumber Exchange
Brooks-Scanlon Lumber Co., Plymouth bldg.
§Burkholder Lumber Co., 917 Marquette av
Carpenter W. I. Lumber Co. (Red Cedar Shingles, Siding & Finish, Spruce & Fir), 504 Lumber Exchange
Cedar River Lumber Co., 914 Plymouth bldg.
•Central Lumber Co. (Mixed car lots of Wash'n Fir, Spruce, Cal. Redwood, Hardwood Flooring, Red Cedar, Basswood, Wagon Shook, Bridge Planks, etc.) McKnight bldg.
Coolidge & Schussler (Ties, Poles & Posts, Cedar Poles & Posts), Metropolitan Life bldg
•Crookston Lumber Co. (Northern Pine & Spruce) First National Soo Line bldg.
Dolliff L. P. & Co., 615 Lumber Ex bldg
§Fullerton Lumber Co., 420 Lumber Exch
Gipson Lumber Co., 405 Lumber Exchange
Glass J. E. Lumber Co., 1129 Plymouth bldg.
International Lumber Co., Builders' Exchange
Learned Lumber Co., 711 Lumber Exchange
§Lewis F. H. (Western Hardwood)
•McCoy Lumber Co. (Pacific Coast Products) Security Bank
§Malone-Bovey Lumber Co., 1223 S 4th
Morrison J. W. Lumber Co., 927 Lumber Exchange
Northern White Cedar Ass'n, Lumber Exchange
Northland Pine Co., Plymouth bldg
§Osborne & Clark (White Oak Dimension, Basswood Finish, Box Boards, Siding & Ceiling, Maple Axles, Wagon Tongues & Hardwood Flooring) 300 Lumber Exchange
Partridge T. M. Lumber Co. (Mfrs. Northern Pine & Spruce, Jobbers of Idaho Western Pine & West Coast Douglas Fir; also Ties & Poles & Posts), 731 Lumber Exchange
•Pendleton & Gilkey, McKnight bldg.
§Red Diamond Lumber Co., 1200 Central av
•Red River Lumber Co. (White & Norway Pine, Lumber, Lath & Box Shooks) 807 Hennepin av.
Robertson Lumber Co., 1st National Soo Line bldg
Schuette Wm & Co. 643 Lumber Exchange
•Shevlin-Carpenter & Clark Co. (White Pine, Lumber, Lath & Shingles), 112 Lumber Exchange
Shevlin-Hixon Co. (Idaho, Montana & Cal. Pine)
§Standard Cedar & Lumber Co. (White Cedar Poles, Posts & Shingles, Pine, Hemlock & Hardwood Lumber) 511 Lumber Exchange
Stuhr Lumber Co., 936 Lumber Exchange
Valentine-Clark Co.

•Waite H. B. Lumber Co. (Wash'n Fir, Spruce & Red Cedar Lumber, Cal. Redwood Lumber & Shingles, Wash'n Red Cedar Shingles, Flooring, Siding, etc). Security bldg.
§Wallace-Ballord Lumber Co., Lumber Exch.
Webster Lumber Co., Como av & Belt Line R. R.
Winnor & Adams, Lbr. Exchange
MINNESOTA TRANSFER—Brooks Bros. (Northern Pine, Yellow Pine, mixed car lots, etc.), 1923 University av
•§Central Warehouse Lbr. Co. (Fir, Red Cedar, White Pine, etc.)
NORTHOME—Island Lake Lumber Co. (Saw Mill)
ST. PAUL—Gribben Lumber Co., Chicago & Walker
•Martin John Lumber Co., 217 Como av.
•Weyerhaeuser & Co. (White Pine) Merchants National Bank bldg.
SARTELL—Sartell Bros. Co. (Saw & Planing Mills)
SPOONER—•International Lumber Co. (Saw & Planing Mills)
STILLWATER—•Interstate Lumber Co., McGrath Jas. E. (White Pine)
VIRGINIA—•Bailey W. T. Lumber Co. (Saw Mill)
•Virginia & Rainy Lake Co. (Saw & Planing Mills)
WHITE PINES — McGrath James E. (White Pine)
WINONA—•Botsford Lumber Co.
•Doud Sons & Co. (Hardwood & Hemlock)
•Hayes-Lucas Lumber Co.

MISSISSIPPI.

ACKERMAN—Alford Mfg. Co.
Quinn Tims B. (Yellow Pine, Poplar, Oak, Ash, Gum)
BAYLAND—•Bayou Land & Lumber Co. (Saw Mill)
BELZONI—Alexander Bros. (Saw Mill)
§Belzoni Hardwood Lumber Co. (Saw Mill)
BENMORE—Canal Lumber Co. (Saw Mill)
BENTONIA—•Link, Newcomb Mill & Lumber Co. (Hardwood)
BOTHWELL—•Robinson Land & Lbr. Co.
BUDE—Homochitto Lumber Co. (Saw & Planing Mills)
BURDETT—•§Wilcox, J. B. & Co. (Saw Mill)
BURNSVILLE—Burnsville Mercantile Co. (Saw Mill)
•§Smith-Fay Lumber Co. (Saw & Planing Mills)
CATCHINGS—Belzoni Hardwood Lumber Co. (Saw Mill)
CHARLESTON—§Lamb-Fish Lumber Co. (Band Sawed Oak, Gum & Cypress, etc)
CHICORA—•Robinson Land & Lumber Co. (Yellow Pine, Timber & Rift Flooring)
CLARKSDALE—§Sunflower Lbr. Co.
COLLINS—•Wood W. C. Lumber Co. (Yellow Pine)
COLUMBIA—White J. J. Lumber Co. (Yellow Pine)
COLUMBUS—Columbus Lumber Co. (Saw & Planing Mills)
Pate D. S. Lumber Co. (Hardwood)
CORINTH—Berkheiser, W. H. (Planing Mills)
Elledge, M. M. Lumber Co. (Saw Mill)
McRae Lumber Co. (Short Leaf Yellow Pine)
Pocahontas Lumber Co.
•Small W. E., Spoke Mfg. Co. (Spokes)
DEEMER—New Deemer Mfg. Co. (Saw & Planing Mills)
D'LO—Finkbine Lumber Co. (Saw & Planing Mills)
ELECTRIC MILLS—•Sumter Lumber Co. (Short Leaf Yellow Pine)
ESTES—Legan & McClure Lbr. Co.
FERNWOOD—•Enochs Bros. Yellow Pine)
•Fernwood Lumber Co. (L. L. Yellow Pine)
FOREST—•Bienville Lumber Co. (Saw & Planing Mills)
GATESVILLE — Grantham Bros. (Saw Mill)
GLOSTER—•§Gloster Lumber Co. (Saw & Planing Mills)
GREENVILLE—Alexander H. N. & Sons
Leavenworth J. H. & Son (Saw Mill)
Wineman A. G. & Sons (Saw Mill)
GREENWOOD—§Kraetzer-Cured Lumber Co. (Hardwood)
HATTIESBURG—•Brookhaven Lbr. & Mfg. Co. (Yellow Pine)
•Firm Lumber Co.
•Hettler Herman H. Lumber Co. (Branch of Chicago, Ill.)
•Newman J. J. Lumber Co. (Yellow Pine), Mills, Sumrall, Miss.
•Nicola, Stone & Meyer Co. (Branch of Cleveland, O.)
Tatum Lumber Co. (Saw Mill)
•Toomer, P. J. Lumber Co. (Saw & Planing Mills)
HIGHT—Norapater Lumber Co. (Saw Mills)
HILLSDALE—Southern Lumber & Timber Co. (Saw Mill)
HINCHCLIFF—§Taylor & Crate (Saw & Planing Mills)
HOULKA—•Ferguson & Palmer Co. (Saw Mill)
HOWISON—Native Lumber Co. (Saw & Planing Mills)
JACKSON—•Enochs Yellow Pine Co. (Yellow Pine)
Faust Bros. Lumber Co. (Hardwoods, Popular & Red Gum)
Finkbine Lumber Co. (Saw & Planing Mills)
•Maley Henry Lumber Co. (Saw Mill)
Mercantile Lumber Co. (Yellow Pine)
Trenton Lumber Co. (Yellow Pine)
•Yellow Pine Lumber Co (Long Leaf Yellow Pine)
KOLA—•Kola Lumber Co. (Yellow Pine)
KOSCIUSKO—Spangler Frank & Co. (Hardwoods, Poplar & Gum)
LAKE—Du Bois Lumber Co.
LAUREL—•Eastman-Gardiner & Co. (L. L. Yellow Pine, Box Shooks & Hardwood), Dept. H
•Lindsey-John Lumber Co.
•Marathon Lumber Co. (Yellow Pine)
Wausau Southern Lumber Co. (Southern Yellow Pine, Cypress)
LOGTOWN—•Weston H. Lumber Co. (L. L. Yellow Pine)
LOUISE — •Barr-Holaday Lumber Co (Saw Mill)
Belgrade Lumber Co. (Saw Mill)
LOUISVILLE—•Mitchell R. L. Lbr. Co. (Yellow Pine)
LUMBERTON—•Hinton Bros. Lumber Co.
•Hines Edw. Lumber Co. (Saw & Planing Mills)
LYMAN—Ingram-Day Lumber Co. (Saw Mill)
McLAIN—•Coleman Green Lumber Co.
Ferguson S. J. Lumber Co.
MENDENHALL—•Gulledge Lumber Co (Saw & Planing Mills)
MERIDIAN—•Acme Bldg Supply Co.
§Darrah, R. F. Lumber Co. (Saw Mill)
Gray C. L. Lumber Co.
§Hart J. L. Lumber Co. (Saw & Planing Mills)
Southern Planing Mill
Tartt, J. E. (Saw Mill)
MILLARD—•Baston-McGehee Co. (Saw & Planing Mills)
MIZE—Cooley Bros. Lumber Co. (Saw Mill)
MOORHEAD—•Rich W. T. Lbr. Co.
MOSS POINT—•Dantzler L. N. Lumber Co. (Yellow Pine & Rift Flooring)
•Bounds J. (Saw Mill)
McIntosh Lumber Co.
NATCHEZ—•Learned R. F. & Son (Cypress)
NEWTON—Chapman, H. T. (Saw Mill)
NOXAPATER—Perry-Fraser Lumber Co. (Saw Mill)
PADEN—Haynes-Walker Co. (Saw Mill)
Nixon C. K. (Planing Mill)
PASCAGOULA—•Scranton Shingle Co.
PHILADELPHIA—Dewees-Rogers Lumber Co. (Saw Mill)
§Henderson-Molpus Co. (Saw & Planing Mills)
PHILIPP—•Tallahatchie Lbr. Co. (Hardwood)
PICAYUNE—•Rosa Lumber Co. (Saw Mill)
PLANTERSVILLE—Repult J. W. (Saw Mill)
QUITMAN—Long-Bell Co. (Saw & Planing Mills)
RED LICK—Wood-Russ Lumber Co. (Saw & Planing Mills)
RICHTON—Richton Lumber Co. (Saw Mill)
SANFORD—•Ship Island Lumber Co. (Yellow Pine)
SARDIS—•Carrier Lumber & Mfg. Co. (Hardwood Lumber & Bent Woodwork, Red Gum, Oak Flooring & Rotary Cut Veneers)
SHUBUTA—Browlee J. G.
SHUQUALAK — •Futvoye-Paterson Co. (Saw & Planing Mills)
SIDON—Brown & Gregory (Saw Mill)
STEPHENSON—•Foster Creek Lumber & Mfg. Co. (Southern Pine), Dept. H
SUMRALL—•Newman J. J. Lumber Co. Office: Scranton, Pa.
TOMNOLEN—•Pellez F. (Saw & Planing Mills)
UNION—•Buckwalter J. R. Lumber Co. (Saw & Planing Mills)
Southern Planing Mill
VICKSBURG—•Anderson-Tully Co. (Saw & Planing Mills)
Bracken-Comer Lumber Co.
•§Houston Bros. (Hardwoods, Yellow Pine & Cypress)
WAYNESBORO—Wetherbee-Huggins Co (Yellow Pine)
WIGGINS—•Finkbine Lumber Co. (Saw & Planing Mills)
WINCHESTER—Meador J. G. (Saw & Planing Mills)

MISSOURI.

BETHANY—•Miner & Frees Lbr. Co.
BUTLER—Logan-Moore Lumber Co. (See Kansas City, Mo.
CANTON—Canton Planing Mill Co. (Saw Mill)
CAPE GIRARDEAU—•Himmelberger-Harrison Lumber Co. (Gum, Oak, etc)
•Leming M. E. Lumber Co.
COFFEY—§Crossan, Miner & Frees
DEERING—Wisconsin Lumber Co. (Saw Mill)
DES ARC—•Stamp R. I.
FREDERICKTOWN — •Fredericktown Lumber Co. (Yellow Pine & Oak Lumber & Mfrs. Wagon Hubs)
GIDEON—•§Gideon-Anderson Co.
JOPLIN—§Stewart Lumber Co.
KANSAS CITY—•American Sash & Door Co., 16th & Bellefontaine
§Bernardin J. M. Lumber Co. (Yellow Pine), 420 K. & P. bldg
•Bowman-Hicks Lumber Co. (Yellow Pine), 1311 R. A. Long bldg
•Buchanan Wm. (Yellow Pine), 510 R. A. Long bldg
Caddo River Lumber Co. (Yellow Pine), 1210 R. A. Long bldg
Cameron Lbr. Co., 1403 R. A. Long bldg
•Carter C. J. Lumber Co. (Short Leaf Yellow Pine Finish Flooring & Siding) R. A. Long bldg.
•Central Coal & Coke Co. (Yellow Pine), Keith & Perry bldg
•Chapman & Dewey Lumber Co. (Hardwood) Rialto bldg.
Chatten S. H. Lumber Co., Mutual bldg
Choctaw Lumber Co. (Yellow Pine), 833 L. S. Exchange
•Connelly Hardwood Lumber Co. (Oak, Ash, Cypress, etc) 180 Indiana av
Dickason Goodman Lumber Co., K. & P. bldg.
Dierks Lumber & Coal Co. (Oak, Southern Yellow Pine, Cypress, Oak) Gates bldg.
Exchange Sawmills & Sales Co. (Southern Yellow Pine, Oak, Ash, Poplar, Magnolia, etc.), R. A. Long bldg.
Forest Lumber Co. (Cypress, Southern Yellow Pine), R. A. Long bldg
•Foster Lumber Co. (Yellow Pine) R. A. Long bldg.
•Leidigh & Havens Lumber Co. (Yellow Pine) R. A. Long bldg.
§Logan-Moore Lumber Co., City Club bldg
•Long-Bell Lumber Co. (Yellow Pine)
§Noll-Welty Lumber Co., 6908 Independence rd
•Penrod Walnut & Veneer Co. (Black Walnut), Sheffield Station
•Pickering W. R. Lumber Co. (Yellow Pine, R. A. Long bldg. Mills: Pickering, La.
Smith M. R. Lumber & Shingle Co.
LEETON—•Leeton Lumber Co.
LOUISIANA—La Crosse Lumber Co.
MARQUAND—Whitener E. A. & Co.
MOREHOUSE—•Himmelberger-Harrison Lumber Co. (Red Gum, White & Red Oak, Ash, Elm & Cypress, Rough, Dressed & Worked to Order)
MOUNTAIN GROVE—Landers & Barker Co. (Saw & Planing Mills)
POPLAR BLUFF—§Galloway-Pease Co. (Saw Mill)
•Hargrove & Ruth Lumber Co.
•Ruth Lumber Co.
PORTAGEVILLE—Haines E. C. (Lumber Saw & Planing Mill)
POTOSI—Cordia E. F. Land & Lumber Co.
RIDGEWAY—Miner & Frees Lbr. Co.
ST. JOSEPH—Collier-Adams Mfg. Co.
§Nold C. H. Lumber Co.
ST. LOUIS—•Abeles & Taussig Lumber & Tie Co. (Yellow Pine), Commercial bldg
•Am. Hardwood Lbr. Co. (Oak, Poplar, Ash, etc.), North Market & 1st
Antrim Lumber Co. (Cypress Yellow Pine & Shingled), Wright bldg
•Bagnell Timber Co. (R. R. Ties), De Menil bldg
§Berthold & Jennings Lumber Co. (Long Leaf Yellow Pine, Oak & Cypress Lumber, Bridge Timbers, Piling & Telegraph Poles) Arcade bldg
Boeckeler Lbr. Co. (Yellow & White Pine), 3550 N Hall
•Buchanan Wm. (Yellow Pine), Arcade bldg
§Chicago Lbr. & Coal Co., Arcade bldg
•Chicago Mill & Lumber Co. (Yellow Pine, Oak & Cypress, Hemlock & Gum Lumber & Cedar, White Oak & Black Locust Poles, Posts & Pilings, Red Cedar, Cypress & White Pine Shingles, White Pine, Cypress, Yellow Pine Lath), 200 Chouteau av
•Consolidated Saw Mills Co. (Short Leaf Yellow Pine), Arcade bldg
•Frost-Johnson Lumber Co. (Yellow Pine, either Straight or Mixed Cars), Boatmens Bank bldg
§Ganahl Lumber Co., Newstead & Duncan
•Garrett T. H. Lumber Co. (Yellow Pine, Saw & Planing Mills), Chemical bldg
§Gavin Stephen J. Lumber Co. (Yellow Pine, etc), 6400 Easton av
•Graham Lumber Co. (Yellow Pine), Arcade bldg
•Grayson-McLeod Lumber Co. (Yellow Pine), Arcade bldg
§Gruner Philip & Bro. Lumber Co., 4006 N B'way
•§Hafner Mfg. Co. (Hardwood & Yellow Pine), Dept. H, Ft. of Dock
§Hearne Timber Co., Times bldg
Hill-Behan Lbr. Co., 6600 Page av
•Hogg-Harris Lumber Co. (Long & Short Leaf Yellow Pine), Fullerton bldg

(Continued on following page)

Lumber—Continued

MISSOURI—ST. LOUIS—Continued

*Holmes J. A. Lumber Co. (Michigan Lumber, White & Yellow Pine Flooring, Siding, Shingles, Lath, etc; Poplar, Cherry, Ash, Walnut, & Mahogany, Car & Bridge Ash, Walnut & Mahogany, Car & Bridge Timber Specialties), 10th & Spruce
§Huttig Sash & Door Co., 1200 S Vanderventer
*Kimball Phin (Hardwood Saw Mills) Railway Exchange bldg
*Lothman Cypress Co. (Louisiana Cypress), ft. of Angelica
Luehrmann C. F. Hardwood Lumber Co. (Ash, Oak, Cypress, Yellow Pine, White Pine & Shingles), 150 Carroll
*Mangold Stave & Cooperage Co., Weber rd & Grand av
*Mechanics' Planing Mill Co. (Cypress), 3742 N B'way
*Miles Geo. W. Timber & Lumber Co. (Yellow Pine), Arcade bldg
§Mosberger Lumber Co. (Hardwoods), 5816 Prescott
Ozan Lumber Co., Arcade bldg
Ozark Cooperage & Lbr. Co., 3820 Washington
POTOSI TIE & LUMBER CO. (Hardwood Dimension. We carry a large stock of 1" oak at all times and are in a position to give prompt shipment. Send us your inquiries), 248 Broadway
Powe Thomas E. Lumber Co. (Hardwoods, Poplar, Mahogany & Pine), 24 Branch
Quellmalz Henry Lbr. & Mfg. Co., 2461 S Main
Richardson W. H. (Lumber Commission Hall & Branch, 4981 Neosha
*Sabine Lumber Co. (Yellow Pine), Arcade bldg; Mills, Colfax, La.
St. Louis Lumber Co. (White Pine & Yellow Pine), 2509 S Broadway
Scheve J. L. Lumber Co. (Oak & Cypress), Hall & St. Louis av
Seidel Julius Lbr. Co., 2200 S Kingshighway
Steele & Hibbard Lbr. Co., 3300 N Hall
§Thomas & Proetz Lumber Co., Hall & Angelrodt
§Waldstein Lumber Co. (Hardwoods), 7th & Victor
Walsh Tie & Lbr. Co., Title Guaranity bldg
*Werner Louis Saw Mill Co. (Oak, Ash, Poplar, Gum, Short & L. L. Yellow Pine, Cypress & Cottonwood), Fullerton bldg
***Western Tie & Timber Co., Syndicate Trust bldg.**
Willhite Lbr. Co., Arcade bldg
SEDALIA—Looney & Bloess Lbr. Co. Sturgis Lbr. Co.
SIKESTON—*Baker-Matthews Mfg. Co. Matthews A. J. & Co.
SMITHVILLE—§Major R. H. & Co.
SPRINGFIELD—Hobart-Lee Tie Co. (R. R. Timbers)
WINONA—*Ozark Land & Lumber Co. (Mo. Soft Pine)

MONTANA.

BONNER—*Anaconda Copper Mining Co. (Pine & Larch)
COLUMBIA FALLS—Montana Western Lbr. Co. (Saw & Planing Mills)
State Lumber Co. (Saw & Planing Mills)
FLORENCE—*Whaley Bros. Lumber Co.
HENDERSON—Mann Lumber Co. (Saw & Planing Mills)
KALISPELL—*Kalispell Lumber Co. (Lumber Mfrs. & Wholesalers)
MILLTOWN—*Western Lbr. Co. (Saw & Planing Mills)
MISSOULA—*Polleys Lumber Co. (Saw & Planing Mills)
SOMERS—*Somers Lumber Co. (Larch Lumber)
WARLAND—Baird-Harper Lbr. Co. (Saw & Planing Mills)

NEBRASKA.

FAIRBURY—Fairbury Planing Mills, cor. C & 5th
HASTINGS—§Oliver Lumber Co.
HUMBOLDT—Philpot Lumber Co.
LAUREL—Johnson Evers Co.
LINCOLN—*Foster S. A. Lumber Co.
§Searle & Chapin Lumber Co.
OMAHA—§Bradford-Kennedy Co.
§Cady H. F. Lumber Co.
§Chicago Lumber Co. (Mo. Soft Pine)
§Dietz C. N. Lumber Co. (Hardwood)
Federal Lbr. Co., 40th & Leavenworth
Foye W. J. Lumber Co. (Boxing & Crating)
§Guion Lumber Co.
§Hampton Lumber Co. (Hardwood)
§Hoagland G. A. & Co.
Ledwich Lbr. Co., 20th & Izard
Nebraska Bridge Supply & Lumber Co. (Red Cedar Posts, Poles, Piling, Oak Piling, Ties, Lumber)
Omaha Hardwood Lumber Co. (Hardwood)
Platner Bros.
§Walrath-Sherwood Lumber Co.
§Wentworth Lew
SOUTH OMAHA—§Bradford Louis Lumber Co.
§Watkins J. B. § Co.

NEVADA.

VERDI—*Verdi Lumber Co. (Saw Mill)

NEW HAMPSHIRE.

ALEXANDRIA—Patten S. G. (Saw Mill)
AMHERST—Fuller Lemuel (Saw Mill)
ASHUELOT—*Dickinson's A. Sons (Saw Mill)
AUBURN—Pingree A. W. (Saw Mill)
BARNSTEAD—Drake Bros. (Saw Mill)
BRENTWOOD—Flanders Chas. (Shingles)
CHESTER—Goldsmith N. W. (Shingles)
CONCORD—Blodgett F. E. & Son Co.
CONWAY—*Kennett Frank E.
CRYSTAL—*Jackson L. A.
DUBLIN—Knight Arthur J. (Saw Mill & Shingles)
GORHAM—*Libby E. & Sons Co.
*Mainstream Lumber Co.
HOLLIS—Hayden Bros. (Saw Mill)
LACONIA—*Cook's Lumber Co. (Staves, Exterior & Interior Finish, Dimension Spruce, Pine & Hemlock, Shingles, Laths, etc)
LEBANON—Flanders George L. (Saw Mill)
LISBON—Conrad Edward J. (Saw Mill)
MANCHESTER—West Side Lumber Co.
MILFORD—*Peirce W. E. & Co. (Lumber, Lath, Shingles, Posts, Mill Work, Finish, etc)
NASHUA—American Box & Lbr. Co. (Saw Mill)
Cook F. D. Lumber Co.
Tolles J. H. & Co.
REED'S FERRY—*Parker E. E. & P.
ROCHESTER—§Champlin Wm. H.
*Felker Bros. (Lumber & Saw Mill)
*Langley Geo. H. Lumber Co.
Rochester Lumber Co. (Mfrs.)
United Box & Lumber Co.
SALEM—McLaughlin K. M. (Saw Mill)
SOUTH KINGSTON—Bartlett W. S. (Saw Mill)
SUNAPEE—Rowell W. (Saw Mill)
TILTON—Knapp Geo. E. (Saw Mill)
UNION—Farnham J. F. (Saw Mill)
Plummer Geo. L. (Saw Mill)
WEST BRENTWOOD—Fellows Gertrude F. (Saw Mill)
WEST CHESTERFIELD—Amidon G. F. Saw Mill)
WESTVILLE—Peaslee Lumber (Saw Mill)
WINCHESTER—Naramore Edgar H. (Lumber & Pail Staves)
WOODSVILLE—*Stone D. S. Lumber Co. (Saw & Planing Mills)

NEW JERSEY.

ASBURY PARK—Buchanon & Smock Lumber Co. (Saw Mill, etc)
Lewis Lumber Co.
BERLIN—*Robinson W. B. (Saw Mill)
CALDWELL—*Crane Marcus, S. (Saw Mill)
CAMDEN—*Baird David Co. (Lumber & Saw Mill)
Coles C. B. & Sons Co. (Saw Mill)
§Humphreys H. & Co.
§Munger & Bennett (N. C. Pine)
§Scudder R. G. & Son
§Stockham Chas. Lumber Co. (Saw Mill)
EGG HARBOR CITY—*Bozarth Lumber Co.
JERSEY CITY—§Baldwin Lumber Co., Garfield av
§Dodge & Bliss Co., West End
MILLVILLE—*Millville Pulp & Products Co.
NEWARK—§Bailey & Alling, ft Clay st
§Clark & Co. 515 Hunterdon (White & N. C. Pine)
§Collier Eusebius, 494 Broad
§Crowell James, ft Cross (Hardwood)
Glasby J. F. Lumber Co., 9 Badger av
Jones Wm. A. & Son, ft Jones (Saw & Planing Mill, Pine, Hardwood, etc)
§Ripley D. & Sons (Lumber & Timber Co.) (Saw & Planing Mill & All Kinds of Lumber & Timber Mouldings, Trimmings, etc.), 77 Commercial
§Stone & Hershey, 31 Clinton (Spruce, Cypress & N. C. Pine)
PATERSON—§Stiles E. M.
PEDRICKTOWN—*Straughen B. W. (Saw Mill)
SOUTH SEAVILLE—*Collins Jacob F. Co. (Saw Mill)
TRENTON—§Beers R. E. Lbr. Co.

NEW MEXICO.

ALBUQUERQUE—*Albuquerque Lumber Co.
§Baldridge J. C. Lumber Co.
CIMARRON—Continental Tie & Lumber Co. (Saw & Planing Mills)
DULCE—Pagosa Lumber Co. (Saw & Planing Mills)
EL VADO—New Mexico Lumber Co. (Saw & Planing Mills)
LA MADERA—Hallack & Howard Lumber Co. (Saw & Planing Mills)
LAS VEGAS—Cerro Montoso Lumber Co. (Saw & Planing Mill)
ROSWELL—*Pecos Valley Lumber Co.
WATROUS—Cerro Montoso Lumber Co. (Saw & Planing Mills)

NEW YORK.

ALBANY—Albany Lumber & Planing Mill Co., Inc. (Planing Mill)
§Crannell Francis F. Lumber Co.
§Easton Cypress Co.
§Eaton W. J.
Hubbell C. T. & Co.
§Hughson & Co.
§Hunter Dexter
§Kibbee A. S. & Son
Ramsdill & Co. (Planing Mill)
§Robinson John & Co.
Welsh & Grey Lumber Corp.
§White Richard P. (Pine, Spruce & Hemlock)
ALTMAR—Horton Lumber Co.
ALTON—Burns Samuel T. (Saw Mill)
BARKERSVILLE—Mattison George
BATH—*Jones Bros. & Parker (Lumber)
BERNE—Cheeseboro & Sand (Saw Mill)
BLEECKER—Ernst Frank (Saw Mill)
*Peters' John M. Jr. (Saw Mill)
BLOCKVILLE—Green Bros. (Saw Mill)
BRANT—Calkins Milford (Saw Mill)
BRASHER FALLS—Church Elmore (Saw Mill)
BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—§Bartholomew Edw. W. Lumber Co., White bldg
§Betts Lumber Co., Morgan bldg
*Buffalo Hardwood Lumber Co. (Hardwood), 940 Seneca
*Elias G. & Bro. (Pine, Hemlock & Hardwood Flooring), 965 Elk
Flieri Christian Co., Inc. Planing Mill), 1352 Genesee
§Goodyear Lumber Co. (Penna. White Hemlock, La. & Miss. Yellow Pine, etc), Marine Nat Bk bldg
§Graves Manbert & George, White bldg
Hauenstein Alfred G. Lumber Co. (White & Norway Pine), 3050 Main
§Hurd Bros. (Lath, Shingles & Timber), 719 Bailey av
*Jackson & Tindle (Hardwood Lumber, Slack Cooperage & Broom Handles), Jackson bldg
§Laidlaw R. Lumber Co. (White Pine Lumber, Lath & Shingles), 99 Miami
§Laycock Lumber Co., Ellicott sq
§McLean Hugh Lumber Co. (Hardwood & Veneers), 940 Elk
*McNeil Lumber Corp., 1767 Fillmore av
*Miller Lumber Co. (Hardwood), 893 Eagle
§Mixer & Co., Crosby bldg
*Montgomery Bros. & Co. (Yellow Pine & Hardwood), 254 Court
*Standard Hardwood Lumber Co., 1333 Clinton
Sullivan T. & Co. (Hardwood; Specialty, Ash & Elm), 2 Arthur
§Taylor & Crate (Hardwood), 2161 Elmwood av
*Yeager Lumber Co., (Hardwood), 933 Elk
CALLICOON—Hermann Martin (Saw Mill)
CANANDAIGUA—Garrett Wm. (Saw Mill)
CARLISLE—Brown Grant (Saw Mill)
CASSVILLE—Carpenter A. L. (Saw Mill)
CASTILE—Elitsac Mfg. Co. (Planing Mill, Wooden Toys & Novelties)
CENTRAL BRIDGE—Ottman Milland (Saw Mill)
CHATHAM—Boright John W. Lbr. Co.
CHERRY CREEK—Hess C. E. (Planing Mill)
CHESTERTOWN—Maxam Leluel L. (Saw Mill)
CONIFER—*§Emporium Forester Co. (Saw & Planing Mills)
CRANBERRY LAKE—*§Emporium Forester Co. (Saw & Planing Mills)
CROGHAN—*Steiner Jos. H.
CUBA—*Phelps & Sibley Co. (Hardwood, Lumber & Shingles)
*Rowley William M. & Co. (Shingle Mill)
DOLGEVILLE—*Breckwoldt J. & Co. (Saw Mill)
EDWARDS—Woodcock, M. E. (Saw Mill)
ELLICOTTVILLE—Ellicottville Milling Co. (Saw Mill)
Rust & Olin (Saw Mill)
ELMIRA—*Doane & Jones Lumber Co. (Car Trade a Specialty)
GLENFIELD—Monteola Hardwood Mills
GLENS FALLS—*Finch, Pruyn & Co., Inc. (Spruce, Hemlock & Hardwood)
*Kendrick & Brown Co.
GLOVERSVILLE—§Burr Lumber Co., Inc.
*Holden Lumber Co. (Lumber)
HAGEDORNS MILLS—Chase Stephen (Saw Mill)
HARRISVILLE—Kilbourn R. A.
Kimball & Son
HERMON—Fairbanks R. J. & Sons (Saw Mill)
HOLLAND—Griggs Ichabod N. & Son (Saw Mill)
HUDSON FALLS—§Kenyon Lumber Co. (Saw & Planing Mills)
JAMESTOWN—Jamestown Constr. Co.
Lindbeck Lumber & Mfg. Co.
Nelson Bros. (Planing Mill)
*†Ross Warren Lumber Co.
*Wilson Mills, Inc.
JOHNSONVILLE—Brockett Lawrence B., Dept. H.

KINGSTON—*Weeks Theo. (Saw & Planing Mills)
LE ROY—Rogers F. C. (Planing Mill)
LESTERSHIRE—*Lestershire Lumber & Box Co. (Sells Direct)
MEXICO—Ames J. K. (Saw Mill)
MIDDLE GROVE—Colburn Wilford
MIDDLETOWN—§Gordon Lumber Co.
MILLERS MILLS—Grosline W. (Saw Mill)
MONSEY—Requa S. E.
NEWBURGH—§Newburgh Lumber Co.
*Newburgh Planing Mill Co.
NEW ROCHELLE—New Rochelle Coal & Lumber Co., 22 Pelham rd

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Bossert Louis & Son, 1335 Grand
§Brooklyn Lumber Co. (Timbers), 452 Hamilton av
§Curtis-Brisbin Lumber Co., 3290 Atlantic av
§Ferguson & Clarke, 517 Flushing av
§Jacobson A. C. & Sons, 445 Park av
Kells Mill & Lumber Co. (Oak & Cedar Planing & Saw Mills, Cedar Boat Boards & Materials), Java & Provost
§Orr Jno. C. & Co., West c Java

Boroughs of Manhattan and Bronx.

NEW YORK—§American Lumber Co. (Hardwood, Lumber & Timber), **30 Church**
Barker Bond Lumber Co., Inc. (Yellow Pine Lumbers, Flooring, Sheating, Cypress, Oak Lumber & Boards Piling), 405 Lexington av
§Booth & Lewis Lumber Co. (Southern Pine), Grand Central Terminal
§Boyd-Sinclaire Co. (Ash, Beech, Oak, Maple, Cottonwood, Gum, Tupelo, Elm, Cherry, Poplar, Hickory, Chestnut, Cypress, Bass, Birch), 30 Church
Brown Bros. Co. (Hickory, Oak & Ash), 11 Broadway
§Burke John F. (Pine, Spruce & Hardwood), 29 W 42nd
§Burton J. H. & Co. (N. C. & Yellow Pine, Rift, Flooring & Cypress), 52 Vanderbilt av
*Cape Henry (Hardwood), 480 Lexington av
§Caskey C. R. Lumber Co., 799 B'way
§Chetham Lbr. Co. (For Aeroplanes), 15 William
§Cooney, Eckstein & Co. (Douglass Fir, Idaho White Pine, Yellow Pine, etc.), 302H B'way
§Creed W. R. & Co. (L-L Yellow Pine), 110 W 34th
§Crossley G. R. (Pitch Pine, etc, for Export), 11 William
§Crombie W. M. & Co. (For Export & Domestic Trade), 101 Park
§Delatour A. J. (Hardwood), 176 Cherry
§Dykes Lbr. Co., Dept. H, 137 W 24th
§Eckenroth F. & Son (Hardwoods), 921 E 5th
*Emery Geo. D. Co. (Mahogany & Spanish Cedar), 220 11th av.
§Eppinger & Russell Co. (Yellow Pine), 165 B'way
Green A. H. Co. (Box Shooks, etc.), 103 Park av
*Gress Mfg. Co., 347 5th av
*Herrmann H. Lumber Co., E 125th
Hirsch Lumber Co., 2 W. 45th
Hunter J. A. & Co. (Imp.), 233 B'way
*Insular Lumber Co. (Mahogany), 8 W 40th
§Kalt Lumber Co., 324 E 64th
Lane Arthur E., 2032 Grand Central Terminal
§Lewis Harry I. 62 Beaver
§McDonald Jno. W. & Son, 15 Whitehall
§Maloney J. A. & Co. (Yellow Pine & White Oak Timber, Maple Flooring, Spruce & N. C. Pine), 1170 B'way
*Milne Lumber Co., 1635H, Grand Central Terminal
§Miner Stanley H. (Timber, Piles, Dock Logs, etc), 17 Battery pl
§Monteath J. H. Co. (Cabinet Hardwoods), 202 Lewis
Plunkett-Webster Lumber Co., Inc. (Spruce & Northern Hardwood), 33 W 42nd
§Potter Jos. R. & Co., 212 W 28th
Prever Lumber Co., 250 W 23rd
§Rennolds J. A. & Bro. (R. R. Piles, Ties, Poles & Posts), 116 Broad
Saulpaugh's J. M. Sons (Saw & Planing Mills), 705 E 11th
§Shepard & Morse Lumber Co. (Cypress, N. C. Pine, etc.), 21 E 40th
Simpson, Clapp & Co., 42 Whitehall
§Sizer Robert R. & Co. (Yellow Pine), 15 William
§Slaymaker S. E. & Co. (W. Va. Spruce), 200 5th av
Southern Pine Sales Corp. (N. C. Pine), Sales Office 233 B'way
Sterner E. J. Co., 30 Church
§Turner J. C. Lumber Co. (White Pine, Red Cedar, Cypress & Poplar), 100 E 42d
*Wayne Lumber Co. (Hardwoods, Maple & Birch), 110 W 40th
Williams I. T. & Sons, 11th av & 29th
Wyckoff Pipe & Creosoting Co. ("Creosoted"), 552 5th av, New York

Borough of Queens.

LONG ISLAND CITY—Eppinger & Russell Co. (Yellow Pine), 1st

Borough of Richmond.

TOMPKINSVILLE—Edgewater Sawmills Co. (Saw & Planing Mills) (End of New York City)
NORTH TONAWANDA—§Gillespie Jas. (Whol. Comm.)
Globe Lumber Corp.
§Haines Lumber Co. (Pine & Red Cedar Shingles)
§Jones R. T. Lumber Co.
§Kelsey W. E. & Son
§Mackenzie J. P. (Whol Lumber)
§Smith, Fassett & Co. (White Pine)
*Thompson, Hubman & Fisher (Planing & Lbr Mills)
§Transfer Lumber & Shingle Co. (Red & White Cedar Shingles, Red Cedar & Spruce Bevel Siding & Spruce Factory)
Twin City Lbr. Co.
§Weston A. & Son
***White, Gratwick & Mitchell (Lbr. & Planing Mills)**
OGDENSBURG—*Proctor Mfg. Co. (Lumber & Mill Work)
*Skillings, Whitney & Barnes Lumber Co. (White Pine)
ONEONTA—Briggs Lbr. Co.
PERRY—Andrus David (Saw Mill)
PERU—*Mason G. & Sons
PIFFARD—Shattuck T. N. (Heading & Staves)
POINT ROCK—Bates Orson C.
ROCHESTER — §Hollister Lumber Co. (Hardwood & Pine)
§Morse Wm. B. Lumber Co. (Hardwoods, Pine & Hemlock, Shingles etc)
ROME—Comstock Edward Co.
SAMMONSVILLE—Sammons W. S. (Saw Mill)
SANDY HILL—*Griffin Lumber Co.
*Kenyon Lumber Co. (Lath, Saw Mill, etc)
SCHENECTADY—Peckham, Wolf & Co.
SHERMAN—Simmons James H. (Shingle Mill)
SIDNEY—§Siver M. L. & Co. (Pine, Spruce & Cypress)
SOLSVILLE—Lyon's Mills (Saw Mills)
SOUTH STOCKTON—Wakeman Frank M. (Saw Mill)
SYRACUSE—§Bannon Lumber Co.
§Chapman Lumber Co., 1322 Carbon
§Kenyon Geo. G. Lumber Co. (Hardwood, Shingles, etc.), 601 E Water
§McDowell John Kenyon, 211 Wilkinson
§Mann & Hunter Lumber Co., 824 S Salina
TONAWANDA—†Bellinger A. A.
Dodge & Bliss Co. (Box Shooks & Planing Mill) (See Jersey City, N. J.)
§Wilson Lumber & Box Co. (Lumber, Box Shooks & Baled Shavings)
TROY—*Madden Lumber Co. (Lumber & Planing Mill)
UTICA—Emporium Forestry Co.
Emporium Lumber Co. (Spruce, Hemlock & Hardwoods)
Gibson G. P. & Son, 468 Genesee
§Kellogg Chas. C. & Sons Co.
§Nellis, Amos & Swift (Hardwood)
WARWICK—Horton M. V. B. (Saw Mill)
WATERTOWN—§Harroun J. E. & Son (Spruce Flooring, Siding, Lath, Shingles & Box Shooks)
WELLS—*Hosley M. B. & Son (Hardwoods)
WELLSVILLE—*Mess Mathew
WEST STOCKHOLM—Gibson G. N. & Son
WEST WINFIELD—Hackley A. C. (Saw Mill)
WHITESBORO—*Denton & Waterbury (Lumber, Lath & Shingles)
WILLIAMSTOWN—Sage J. L.
WILLSBORO—Highby H. A. (Saw Mill)
WORCESTER—Hadsell Bros. Co. (Saw Mill)

NORTH CAROLINA.

AHOSKIE—Branning Mfg. Co. (Saw & Planing Mills)
ALASKA—Alaska Lbr. Co. (Saw Mill)
ALLIANCE—Campen Samuel M. (Saw Mill)
ALMA—*Alma Lumber Co.
ANDREWS—Andrews Mfg. Co. (Saw Mill)
ASHBORO—*Home Bldg. & Material Co. (Planing Mill)
ASHEVILLE—*Carolina Wood Products Co.
Citizens' Lumber Co.
McEwen Lumber Co.
ATKINSON—*Hawes E. A. Jr.
AUSTIN—Burchett & Billings (Saw Mill)
AZALCA—McEwen Lumber Co. (Saw & Planing Mills)
BEAUFORT—Carteret Lumber Co. (Saw & Planing Mills)
BELEW CREEK—Robertson, Strader & Co. (Saw & Planing Mills)
BISCOE—Burt & Hicks
*Kanoy C. E.
BOARDMAN—*Butters Lumber Co. (N. C. Pine & Cypress)
BOLTON—Waccamaw Lumber Co. (Cypress, N. C. Pine, Yellow Poplar, Tupelo Lumber, Lath & Shingles)
BOWDENS—*Rowland Lumber Co. (Saw Mill)
BURGAW—Garysburg Mfg. Co. (Saw & Planing Mills)
CARTHAGE—Currie J. L. (Saw Mill)
CHARLOTTE—Wearn J. H. & Co. (& Mfrs. Office Fixtures)
CLAYTON—*Vinson J. A. (Saw & Planing Mills)
DOVER—*Goldsboro Lumber Co. (Yellow Pine Flooring & Finish)
DRUID—Curry Bros. Lumber Co. (Saw & Planing Mills)
DUNN—*§Tilgham Lumber Co. (Saw & Planing Mills)
DURHAM—*Cary Lumber Co. (Saw & Planing Mills)
EDENTON—*Brown M. G.
ELIZABETH CITY—Commander T. A. & Son
*Foreman-Blades Lumber Co. (Saw & Planing Mills)
Kramer Bros. Co. (Saw & Planing Mill)
ELKIN—Carolina Cross Arm Co.
Elkin Box Co. (Saw & Planing Mill)
FAYETTEVILLE—*Currie Lumber Co.
*West Lumber & Box Co. (Saw & Planing Mills)
FONTANA—*Montvale Lumber Co. (Saw & Planing Mill)
FORNEY—*Norwood Lumber Co. (Saw & Planing Mills)
GARLAND—*Trantum C. A. (N. C. Pine & Gum Rough or Dressed)
GILKEY—Warlick Lumber Co (Flooring Moulding, etc.)
GLEN ALPINE—*Pitts & Giles (Saw & Planning Mills)
GREENSBORO—Brooks Lumber Co.
*Guilford Lumber Mfg. Co.
South Atlantic Lumber Co. (N. C. Pine)
GREENVILLE—Overton D. D. (Saw Mill)
GROVER—Harry C. F. (Saw & Planing Mills)
HAMLET—Adams & Graham
HERTFORD—Major & Loomis Co. (Saw Mill)
HICKORY—*Hutton & Bourbonnais Co. (Lumber, Boxes & Shooks)
HIGH POINT—§High Point Hardwood Lumber Co. (Southern Hardwoods), Dept. H
Snow Lumber Co.
IVANHOE—*Johnson-Edens Lumber Co. (White Cedar, Tank Stock, Boat & Shingle Boards & N. C. Pine)
JACKSONVILLE—*Jacksonville Lumber Co. (Saw & Planing Mills)
KINSTON—Hines Bros. Lumber Co.
LAKE TOXAWAY—*Moltz Lumber Co. Saw & Planing Mills(
LEXINGTON—Valley Tie & Lumber Co.
LITTLETON—Wollet E. E. (Saw & Planing Mills)
LOUISBURG—*Colonial Pine Co. (Saw & Planing Mills)
Ford, G. W. (Saw Mill)
LUMBERTON—*Kingsdale Lumber Corp. (Saw & Planing Mills)
MAXTON—*Barber-Paschal Lumber Co. (Saw & Planing Mills)
NEWBERN—*Blades J. B. Lumber Co. (N. C. Pine & Saw Mill)
*Broaddus & Ives Lbr. Co. (N. C. Kiln Dried Pine Shingles, etc)
*East Carolina Lumber Co. (Saw Mill)
Elm City Lbr. Co. (Saw & Planing Mill)
*Munger & Bennett
*Pine Lumber Co.
Roper John L. Lumber Co. (Saw & Planing Mills)
NORTH WILKESBORO—§Coffey C. D. (Saw & Planing Mills)
NORWOOD—*Norwood Lumber Co. (Planing Mills)
OLIVIA—*Cameron H. C. (Saw & Planing Mills)
ORIENTAL—Oriental Lumber Co. (Saw Mill)
PEACHLAND—*Broome W. P. & Son, Dept. H
PENSACOLA—Carolina Spruce Co. (Saw & Planing Mills)
PISGAH—*Carr Lumber Co. (Saw & Planing Mills)
PROCTOR—Ritter W. M. Lumber Co. (Saw & Planing Mills)
RALEIGH—Lassiter C. J. (Saw Mill)
ROCKINGHAM—Coggin C. W. (Saw & Planing Mills)
ROCKY MOUNT—§Tar River Lbr. Co. (Saw & Planing Mill)
ROPER—*Roper John L. Lumber Co. (N. C. Pine)
ROSMAN—Gloucester Lbr. Co. (Saw Mill)
RUTHERFORDTON—Hines Lumber Co. (Saw & Planing Mill)
SANFORD—*Sanford Sash & Blind Co. (Dressed, etc)
SEVIER—§Adams T. T. Co. (Saw Mill)
SHULLS MILLS—Boone Fork Lumber Co. (Saw Mill)
SOUTHMONT—Wall & Son C. M. (Planing Mills)
SPRING HOPE—Montgomery Lumber Co.
STANTONSBURG—Stantonsburgh Lumber Co. (Saw & Planing Mills)
STAR—*Little River Lumber Co. (N. C. Pine)
SWANNANOA—§Reighard Lumber Co. (Saw & Planing Mills)

(Continued on following page)

Lumber—Continued

NORTH CAROLINA—Continued

VASS—Cameron A. (Saw & Planing Mills)
WADESBORO—*Core-Bennett Lumber Co. (Saw & Planing Mills)
WALLACE—Camp Mfg. Co. (Saw & Planing Mills)
WASHINGTON—*Eureka Lbr. Co.
WELDON—Dixon Lumber & Millwork Co. (Dressed Finishing)
*Weldon Lumber Co. (Saw Mills)
WILLIAMSTON—*Simmons Dennis Lumber Co. (N. C. Pine)
*Wicomico Lumber Co.
WILMINGTON—Chadbourne-Bate Co.
*Hilton Lumber Co.
Koch, W. W. (Shingle Mill)
WILSON—*Simms W. W. Co.
WINSTON-SALEM—*Hoover A. L. & Co. (Saw Mill)
WINTON—Jordan & Parker (Lumber)
Taylor W. P. (Lumber)
ZEBULON—Barrow, J. K. (Saw Mills)

NORTH DAKOTA.

FARGO—*White Wm. H. & McCulloch Lumber Co.
GRAND FORKS—*Robertson Lumber Co.
HATTON—*§Ness Lumber Co.

OHIO.

AKRON—Lyman-Hawkins Lbr. Co.
ARCANUM—*Fourman Bros. (Saw Mill)
ARCHBOLD—*Gotshall Mfg. Co.
ASHLAND—*Shearer, Kagey & Co. (Saw Mill)
BELLEVILLE — *Ritter P. (Lumber, Staves & Headings)
BLUFFTON—Kimmel J. W.
CADIZ—*Long E. M. & Sons
CAMBRIDGE—*Hoyle & Scott
CAMPBELLSTOWN—Watts Bros. (Saw Mill)
CEDARVILLE—Tarbox Lumber Co. (Saw Mill)
CINCINNATI—Acme Veneer & Lumber Co. (Veneers, Thin Lumber & Mahogany Lumber), 8th & Harriet
Banning L. G., 1st Natl. Bk. bldg
§Browne H. R., 141 E 4th
Cincinnati Hardwood Lumber Co., (Oak & Mahogany Veneers), 2624 Colerain av
Crane C. & Co. (Hardwood Lumber & Box Lumber), 1739 Eastern av
§Darling J. W. Lbr. Co., 819 Gwynne bldg
Doppes J. B. Sons Lumber Co., 1250 Gest
*§Duhlmeier Bros. (Hardwoods, Mahogany, etc), Wad Dalton av
§Dulweber Jno. Co. (Hardwood), 112 E 19th av
§Enterprise Lumber Co. (Yellow Pine, Lath & Shingles), 677 Melish
*Farrin M. B. Lumber Co. (Poplar & Oak, Beveled Siding, Flooring, Oak for R. R. Ties, Fence Posts, Bridges, Ships, Dock Piling, etc), Station av & Winton pl
§Galle W. F. & Co. (Southern Hardwoods), 1262 Budd
Graham Lumber Co. (Yellow Poplar), 141 E 4th
Griffiths Jas. & Sons Co. (Planing Mill), Reading rd & E 12th
§Hall C. R. Lumber Co., Edwards bldg
Hay Lumber Co. (Hardwoods, Hardwood Flooring & Poplar), Spring Grove av & June
§Heyl Philip F. (Pine, Poplar & Cypress), 1215 W 6th
§Hinckley-Dwight Lumber Co. (Yellow Pine & Cypress), Gest & Dalton
§Keeveny T. W. Lumber Co. (Pine, Hardwoods & Shingles), 1045 W 8th
§Kipp B. A. & Co. (Hardwood), 818 W 6th
§Lewin A. M. Lumber Co. (Yellow Pine & Cypress), Bank & McLean
§Littleford Geo. (Hardwood), 1768 Central av
§Mickle H. L. Lumber Co., 914 2d Natl Bk bldg
§Mowbray & Robinson Co. (Poplar & Hardwoods, Car Stock, Ties, etc), 8th & Horn
§Nicola, Stone & Meyers Co. (Pine & Hardwood), 1221 W Liberty
*Ohio Veneer Co. (Mahogany & Thin Lumber & Veneers, Sliced, Cut & Sawed Quartered Oak Veneers), 2624 Colerain av
Pierson Lumber & Coal Co., Cooper & Cherry Northside
§Radina L. W. Lumber Co. (Hardwoods), Clark & Dalton av
§Rempe F. & Son (Yellow Pine & Hardwood), Second Nat'l Bank bldg
§Richey Halsted & Quick (Poplar, Yellow Pine, White Pine, Oak), 702 Traction bldg
§Shiels Chas. F. & Co. (Hardwoods), Gest & McLean avs
§Stone Lumber Co. (Yellow Poplar, Oak, Chestnut, Walnut, Gum, Cottonwood & Ash), 9 E 3rd
Taft S. H., 16 Hulbert blk
§Western Lumber Co. (Hardwood), 8th nr Evans
§Wiborg Harry P. (Yellow Pine &
CLEVELAND—§Alexander Bros. Lbr. Co., Union Trust bldg
Barner-Mead Lumber Co., 1962 E 107th
§Central Lumber Co., Williamson bldg
§Cuyahoga Lumber Co., 1948 Carter rd
§Euclid Av Lumber Co., 11710 Euclid av
Federal Lumber Co., The Arcade
§Fisher & Wilson Co. (White Pine), Rockefeller bldg
§Foote C. H. Lumber Co., Columbia bldg
§Gill Lumber Co., Hippodrome bldg.
Greif Bros. Cooperage Co. (Barrels & Kegs & Stack Cooperage Stock), 1937 Willey av
Lake Erie Lumber & Supply Co., 5459 Hamilton av
*Martin-Barriss Co. (Mahogany & Cabinet Wood Mfrs. & Importers), 2048 W 3d
Nicola Stone & Myers Co. (Pine & Hardwood), Hanna bldg
§Prasse Lumber Co., 1864 Columbus rd N W
§Saginaw Bay Co., 2106 W 3d, S. W.
Singletary Lumber Co., 1633 Merwin av
COAL GROVE—*Yellow Poplar Lumber Co. (Yellow Poplar & White Woods)
COLUMBUS—*Allen H. R. & Co., Commerce bldg
Am. Column & Lumber Co., Columbus, Ohio
*Bergin M. J. Lumber Co., 225 Dennison av
§Brasher H. D. Lumber Co.
*Cones & Menefee, 450 W Broad
§Davis A. C. Lumber Co.
Raleigh Lumber Co.
West Side Lumber Co.
CUYAHOGA FALLS—Steele-Alderfer Co. (Hardwood)
Walsh C. M.
DAYTON—*Dayton Lumber & Mfg. Co.
§Gebhart-Wuichet Lumber Co.
*Hartzell Geo. W. (All Kinds of Hardwoods)
§Kuntz-Johnson Co.
§Kuntz Peter Co.
West Side Lumber Co.
DELAWARE—*Dunlap C. C. (Saw Mill)
§McKenzie Lumber Co.
EAST FULTONHAM—*Weller John W. (Saw Mill)
FINDLAY—*Parker Lumber Co. (Lumber & Mills)
FORT LARAMIE—*Wise August (Saw wood)
FOSTORIA—*Seneca Lumber & Millwork Co., Dept. H
FREDERICKTOWN—Zieg F. B. Lumber Co.
GALENA—Bennett E. C. (Saw Mill)
GRANVILLE—White, R. B. Lumber Co.
GREENFIELD—*Barr Holaday Lumber Co.
HAMILTON—§Cullen & Vaughn Co. (Planing Mill)
HAMLER—*Panning Bros (Saw Mill)
IRONTON—Dawkins Bros. Co. (Saw Mill)
*Fearon Lumber & Veneer Co. (Poplin, Rough & Dressed)
Fisher Elmer Co. (Saw & Planing Mills)
§Ironton Lumber Co.
§Nigh Lumber Co., (Poplar, Ash & Walnut)
*Ward W. G. Lumber Co.
LAGRANGE—Ryan H. J. (Saw Mill)
LEIPSIC—Buckeye Stave Co. (Large, Saw, Planing & Stave Mill)
LINDSEY—*Bloker Lumber Co. (Saw & Planing Mill)
LOCKLAND—Lockland Lbr. Co., Benson & Mill
LORAIN—Kratt George
LORAMIE—Wise August (Saw Mill)
MADISON—*Bates Delos (Saw Mill)
MAPLETON—*Sherer E (Saw Mill)
MANTUA—*Parker N. D. & Sons (Saw Mill)
MOUNT ORAB—*Hughes G. V. (Saw Mill)
ORWELL—*Sellers E. A. (Saw Mill)
OWENS—*Selter & Son (Saw Mill)
PATASKALA—*Brooke Lumber Co. (Saw & Planing Mill)
SOUTH SALEM—Lunbeck Bros. (Saw Mill)
SPENCERVILLE—Reynolds W. A. Lumber Co. (Saw Mill)
SPRINGFIELD—*Rawlins A. M. (Hardwood)
STOUT—*Wamsley A. S. (Saw Mill)
STRYKER—Stryker Boat-Oar & Lumber Co.
TIRO—Allen B. F.
TOLEDO—§Campbell Lumber & Mfg. Co. (& planing Mill), Hoag nr Dorr
§Elliott-Wean Lumber Co.
§Kelsey & Freeman (White Pine)
§Trotter Lumber Co.
WATTSVILLE—*Orwich Sherman
WAUSEON—*Williams H. H. & Co.
ZANESVILLE—Herdman Sash, Door & Lbr. Co.

OKLAHOMA.

ARDMORE—Chickasaw Lumber Co.
Hudson-Houston Lumber Co.
BISMARK—Choctaw Lumber Co. (Saw & Planing Mills)
BROKEN BOW—Choctaw Lumber Co. (Saw Mill)
CHICKASHA—Stephensen-Browne Lumber Co.
CLINTON—*Stewart, T. J. Lumber Co.
MUSKOGEE—Muskogee Lumber Co.
OKLAHOMA—Stewart T. J. Lumber Co.
PAGE—Buschow Lumber Co. (Saw & Planing Mills)
RED ROCK—Foster Lumber Co.
WRIGHT—Choctaw Lumber Co. (Saw & Planing Mills)

OREGON.

ALBANY—Albany Lumber Co. (Saw Mill)
ALGOMA—Algoma Lumber Co. (Saw & Planing Mills)
ANLAUF—*Buck Creek Lumber Co. (Saw & Planing Mill)
ASTORIA—*Astoria Box Co. (Boxes & Lumber)
Astoria Timber & Lumber Co.
*Hammond Lumber Co.
AUSTIN—Eccles, W. H. Lumber Co. (Saw Mill)
Oregon Lumber Co. (Saw Mill)
BAKER—Baker White Pine Lumber Co. (Saw Mill)
*Oregon Lumber Co.
BANDON—Moore Mill & Lumber Co. (Saw Mill)
BAY CITY—*Alley Lumber Co.
GELDING—*Belding Lumber Co.
BEND—*Brooks-Scanlon Lumber Co. (Saw & Planing Mills)
Shevlin-Hixon Co. (Idaho, Montana & Cal. Pine)
BRIGHTON—Brighton Mills Co. (Saw Mill)
BROOKINGS—C. & O. Lumber Co. (Saw & Planing Mills)
BULL RUN—Cameron-Taylor Lumber Co. (Saw Mill)
BUTTE FALLS—Butte Falls Lumber Co. (Saw Mill)
BUXTON—*Buxton Lumber Co. (Saw Mill)
CAMAS VALLEY—*Thrush E. H. (Saw Mill)
CANBY—Slyter & Eckerson (Saw Mills)
CARLTON—Carlton Consolidated Lumber Co. (Planing Mill)
CASCADE LOCKS—Wind River Lumber Co. (Saw Mill)
CHERRY GROVE—*Haskell-Carpenter Co. (Saw Mill)
CHILOQUIN—Chiloquin Lumber Co. (Saw Mill)
Madoc Lumber Co. (Saw Mill)
CLATSKANIE—Brock Bros. (Saw Mill)
COQUILLE—Johnson, E. E. (Saw Mill)
Sitka Spruce Co. (Saw Mills)
CORVALLIS—Corvallis Lumber Mfg. Co. (Saw Mills)
Lammers Bros. (Saw Mills)
Lammers Bros., Cottage Grove, Dept. H
COTTAGE GROVE—§Chambers J. H.
*Cottage Grove Mfg. Co.
Lamers Bros.
*Woodward Walter (Saw Mill)
CURTIN—Mescher, P. F. (Saw Mill)
*Stewart & Delanney
*Skidmore Wm. Sons & Co.
CUSHMAN—*Vaughn & Bester Lbr. Co. (Saw Mill)
DALLAS—*Willlamette Valley Lumber Co., 518 Cherry
DEE—Oregon Lumber Co. (Saw & Planing Mills)
DORENA—Bohemia Lumber Co. (Saw Mill)
DUFUR—Dufur Lumber Co.
Ward J. W.
ELMIRA—Elmira Lumber Co. (Saw Mill)
ENTERPRISE—East Orange Lumber Co. (Saw & Planing Mills)
EUGENE—*Booth-Kelly Lumber Co. (Oregon Pine, Cedar & Hemlock)
*Fisher Carl E. Lbr. Co.
§Lewis-Peters Lumber Co.
*Walters-Parks Lbr. Co.
FALLS CITY—*Cobbs & Mitchell Co.
FLORENCE—*Delta Shingle Co.
Tidewater Mill Co. (Saw & Planing Mills)
FOSTER—*Wodtli Fred.
GLENDALE—Glendale Lumber Co.
GLOBE—*Jones E.
GRANTS PASS—*Three C Lumber Co.
HARRISBURG—Harrisburg Warehouse & Lumber Co.
HOOD RIVER—*Stanley-Smith Lumber Co.
HOULTON—Sherman Bros. Lumber Co. (Saw Mill)
INGLIS—§Oregon Lumber Co. (Saw & Planing Mills)
KLAMATH FALLS—Nine Lumer Co. (Saw Mill)
Pelican Bay Lbr. Co. (Pelican White Pine)
LA GRANDE—*Palmer Geo. Lumber Co. (Pine, Fir & Larch)
LANDAX—*Landax Lbr. Co. (Saw Mill)
LEBANON—*Lebanon Lumber Co.
LEONA—*Leona Mills Lumber Co.
LINNTON—*Clark & Wilson Lumber Co
§Noyes J. B. & Co.
Oregon Ship Timber Mills (Saw & Planing Mills)
West Oregon Lumber Co. (Saw Mill)
LORANE—*Addison Bros.
MABEL—*Coast Range Lumber Co. (Saw Mill)
MARCOLA—*Fischer Lumber Co.
MARSHFIELD—*Coos Bay Lumber Co (Saw Mill)
Western Lumber Mfg. Co. (Mill)

MAYGER—Fluhrer Bros. (Shingle Mill)
MEACHAM—Casey Lumber Co. (Saw Mill)
MILL CITY—Hammond Lumber Co. (Saw Mill)
MILLWOOD—Clark Lumber Co. (Saw & Shingle Mill)
MINAM—*Minam Lumber Co. (Saw & Planing Mills)
MODOC POINT—Lomm Lumber Co. (Saw Mills)
MOHAWK—*Mohawk Lbr. Co. (Saw Mill)
MULINO—Hult Lumber Co. (Saw Mill)
Trullinger D. L.
NEWBERG—*Spaulding Chas. K. Logging Co. (Saw & Planing Mill)
NEW ERA—Doernbecker Mfg. Co. (Saw Mill)
NORTH BEND—Bay Park Lumber Co. (Saw Mill)
Buchner Lumber Co. (Saw Mill)
North Bend Mill & Lumber Co. (Saw Mill)
Southern Oregon Co. (Saw Logs & Timber)
OAK RIDGE—*Oak Ridge Lbr. Co. (Saw Mill)
PALMER—Bridal Veil Lumber Co. (Saw Mill)
PERRY—*Grande Ronde Lumber Co.
PHILOMATH—Benton County Lumber Co. (Saw Mill)
PORTLAND—*Anderson H. J. Co. (R. R. Ties & Piling), Northwestern Bank bldg
§Broughton & Wiggins Co. (Piling & Cedar Poles), Yeon bldg
§Buswell Lumber Co., Northwestern Bank bldg
Cameron-Hogg Lumber Co. (Fir), Spalding bldg
Chapman Lumber Co. (Fir, Hemlock, Red Cedar, Pine, etc.), Title & Trust bldg
Cobbs & Mitchell Co., 705H Northwestern Bk. bldg
Dant & Russell, Inc. (Pacific Coast), Porter bldg
§Dant & Russell, Inc., Porter bldg
§Davis Henry D. Lumber Co. (Box Factory & Railroad), Northwestern Bank bldg
Doty Lumber & Shingle Co., Gasco bldg
*Douglas Fir Corp., Yeon bldg
Duluth Oregon Lumber Co., Sherlock bldg
*Duncan Lumber Co., Northwestern Bank bldg
*Dutton H. P. Lbr. Co., Porter bldg
*East Side Mill & Lumber Co. (Saw and Planing Mill), ft. Spokane av.
§Eastern & Western Lbr. Co., 21st of N Front.
*Emerson Hardwood Lumber Co. (Saw & Planing Mill), N Foot & 20th
*Falls City Lbr. & Logging Co. (Soft Silitz Yellow Fir Lumber & Red Cedar Shingles), Northwestern Bk. bldg
Hart-Wood Lumber Co. (Fir & Spruce), Gasco bldg
Harvey J. R., Gasco bldg
*Inman Poulsen Lumber Co. (Oregon Pine), ft of E Caruthers
*Jones Lumber Co., 4th & Columbia
Kalama Lumber & Shingle Co. (Saw & Planing Mills), Corbett bldg
Lewis River Tie & Lumber Mills Assn., Gasco bldg
*McCormick Chas R. & Co.
See adv index at end of book
Menefee L. B. Lumber Co. (Saw & Shingle Mill), N. W. Bk. bldg
*Multnomah Lumber & Box Co., ft of Baucroft
NATIONAL TANK & PIPE CO., 170 Columbia blvd
See adv index at end of book
Nordby Lumber & Box Co., Couch bldg
Oregon Box & Mfg. Co. (Saw Mill)
Pacific Export Lumber Co. (Whol. Pine, Fir, Spruce & Cedar), Porter bldg
§Peninsula Lumber Co. ("Oregon" Fir Lumber, Car Material exclusively), ft of McKenna av
§Portland Lumber Co. (Fir Lumber, Lath, Flooring, Ceiling, Dimension, Long Timbers), ft Lincoln
St. Johns Lumber Co. (Saw Mill), ft. of Burlington
Scappoose Lumber Co. (Saw & Planing)
*Shafer-McLaughlin & Hiller, Inc., Columbia blvd & Vancouver av
*Sheviin Edwin C., Spalding bldg
*Spaulding Chas. K. Logging Co. (R. R Bridge & Car Material, Fir Lumber), Northwestern Bank bldg
§Standard Box & Lumber Co., 55 E Water
Sullivan Lumber Co. (Cedar, Fir, White Pine, Spruce & Ladder Material), Northwest Bank bldg
*Westport Lbr. Co., N. W. Bk. bldg
Willapa Lumber Co., Gasco bldg
PRESCOTT—Beaver Lumber Co. (Saw Mill)
PROSPER—Prosper Mill Co. (Saw Mill)
RAINIER—Patterson Lumber Co. (Saw Mill)
*Stehman Bros. (Saw Mill)
ST. HELENS—Columbia County Lumber Co. (Saw Mill)
St. Helens Lumber Co. (Fir)
ST. JOHNS—§St. Johns Lumber Co.
SALEM—Spaulding, C. K. Logging Co. (Saw Mill)
SCHOLLS—*Groner & Rowell Co.
SEASIDE—Prouty Lumber & Box Co. (Saw & Planing Mills)
SHERIDAN—Ryan-Allen Lumber Co. (Saw Mill)
Sheridan Lumber Co. (Saw Mill)
SILVERTON—Silver Falls Timber Co. (Saw & Planing Mills)
Silverton Lumber Co.
SHERWOOD—Tappendorff Paul I. (Saw & Planing Mills)
SPRINGFIELD—Booth-Kelly Lumber Co. (Saw Mill)
*Loud Mfg. Co. (Planing Mill)
SWEET HOME—*Weedle A. L.
TOLEDO—*Roberts Guy (Saw & Planing Mill)
TILLAMOOK—*Coats A. F. Lumber Co.
*Tillamook Lumber Co.
VALSETZ—*Cobbs & Mitchell Co.
WALKER—*Briggs Lumber Co
WALLOWA—Nibley Mimnaugh Lumber Co. (Saw Mill)
WALTON—*Stevens-Ferris Lbr. Co. (Saw Mill)
WARRENTON—*Kelly F. G. Lumber Co.
WAUNA—Crossett Western Lumber Co. (Saw Mill)
WENDLING—Booth-Kelly Lumber Co. (Saw Mill)
*Menefee Lbr. Co. (Saw Mill)
WEST LAKE—*Dutton H. P. Lbr. Co. (Saw Mill)
WEST PORT—*Westport Lumber Co.
WHEELER—Wheeler Lumber Co. (Saw Mill)

PENNSYLVANIA.

ALLEGHENY—§Bruckman Lumber Co., Preble nr Island
Schulze & Emanuel (Lumber & Planing Mill), 614 3d
*Walter H. R. Lumber Co. (Hardwood & Yellow Pine), Fayette & Manhattan
ALLENTOWN—*Big Run Manfg. Co. (Hardwood & Staves), A-N-B bldg
§Trexler Lumber Co., 1602 Goodwin
ALPINE—*Smith Wm. M. (Saw Mill)
ASHLAND—*Bright H. F.
Waldner Adam (Planing Mill)
AVONDALE—Hicks John H. (Saw Mill)
BARREE—*Walker H. E. & Bro. (Lumber & Shingles)
BARTONSVILLE—Slutter L. L. (Saw Mill)
BEAVER FALLS—§Brierly Frank F. & Sons
BECHTELSVILLE—Stauffer A. T. B. (Saw Mill)
BELLEFONTE—*Crider P. B. & Son (Lumber & Saw Mills)
BRADFORD—*Bemis J. M. & Son
§Bond Alfred J. (Hemlock), 124 Mechanic
*Bradford Hdw. Lumber Co.
BROOKVILLE—*Pocahontas Lumber Co. (Spruce, Hemlock & Hardwoods), Mills: Burner, W. Va.
*Vanleer Bros. (Lumber & Planing Mill)
BURNT CABINS—Comerer W. M. (Saw Mill)
CAMBRIDGE SPRINGS—Blystone W. C. & Son (Saw Mills)
CHEAT HAVEN—Kendall Lumber Co. (Saw Mill)
CLARINGTON—*Braden A. R.
CLEARFIELD—*Clearfield Millwork & Lumber Co., (Ltd.), (Hemlock, Pine, Oak & Hardwood)
COATESVILLE—Ash Chas. W. (Saw Mill)
CONYNGHAM—Hess A. E. (Saw Mill)
COOKSBURG—Cook's A. Sons Co. (Lumber)
CORRY—Clark & Son Co.
COSTELLO—Central Pennsylvania Lumber Co. (Saw & Planing Mills)
DANIELSVILLE—Hickory Lumber Co.
DONORA—Allen Lumber Co., Dept. H
DUBOIS—*DuBois Jno. E.
DUNMORE—§Bingham George H. (Oak, Yellow Pine & Chestnut)
EASTON—Butz Edward M. (Planing Mill)
SERFAS LUMBER CO., Drake bldg
Zearfoss & Hillard Lumber Co. (Lumber & Saw Mill)
EBENSBURG—*Griffith Webster (Maple Flooring, Hemlock & Hardwood)
ELIZABETH—Rhodes S. O. (Saw Mill)
ELIZABETHVILLE—Buffington, I. T.
ELK LICK—Compton Demetrius (Saw Mill)
EMPORIUM—*Howard C. B. Co.
ENDEAVOR—*Wheeler, Aylesworth & Co. (Saw Mill)
*Wheeler & Dusenberry (Lumber, Lath & Shingles, Pine Lumber up to 72 feet)
EVANS CITY—*Dambach Edw. Co.
FELTON—Stabley W. H. (Saw Mill)
GALETON—Emporium Lumber Co. (Saw & Planing Mills)
GRAND VALLEY—Wood, Williston P.
GUYS MILLS—Morgan John (Saw Mill)
Williams Bros. (Saw Mill)
HOLLIDAYSBURG—*Irvine Robt. C.
McKelvey Bros. (Saw & Planing Mills)
*Young Blair B. (Saw Mill)
HUMBERT—Schoffield Lumber Co. (Saw & Planing Mills)
IOLA—Eves A. W.
JOHNSTOWN—*Dempsey Lumber Co. (Spruce, Hemlock & Hardwoods)
Millboro Lumber Co. (Saw & Planing Mills)
*Murdock J. M. & Bro. (White Oak, Hemlock & Hardwood)
KANE—Anderson Edward G. (Saw & Planing Mills)
*Mell-Vaill Lumber Co. (Rough & Dressed Lath & Shingles)
KELLETTVILLE—Salmon Creek Lumber Co. (Saw & Planing Mills)
KNOXVILLE—*Edgcomb W. H. & Sons (Mill Work)
KREGAR—Blair Lumber Co. (Saw Mill)
KUTZTOWN—*Gonser John R.
LAQUIN—Central Pa. Lumber Co. (Saw & Planing Mills)
LEETONIA—Central Pennsylvania Lumber Co. (Saw & Planing Mills)
LIGONIER—Ligonier Lumber Co. (Saw Mill)
LINESVILLE—Bunday Lumber Co. (Saw Mill)
MARIENVILLE—*Shields D. B.
MILLERSBURG—Snyder C. J. (Saw Mill)
MILTON—*Clinger's D. Sons (Lumber & Planing Mill)
MONONGAHELA—*Monongahela Saw & Planing Mill Co.
MONTGOMERY—*Meixel, Coleman & Co. (Saw Mill)
NEBRASKA—*Collins, Darrah & Co.
*Watson Lands Lumber Co. (Pine Lumber)
NEW BETHLEHEM—*Andrews Lumber Co. (White Oak, White Pine & Hemlock, Timber & Lumber, also Plaining Mill)
NEWTOWN—Watson A. W. & W. M. Co. (Saw & Planing Mill)
NORRISTOWN—Grater-Bodey Co. (Planing Mill)
NORWICH—Norwich Lumber Co. (Saw & Planing Mills)
NOXEN—Trexler-Turrell Lumber Co.
OLYPHANT—*Peck Lumber Mfg. Co.
PAINTERSVILLE—Goss William Howard (Saw Mill)
PARNASSUS—*Logan J. W. & Sons Co. (Lumber & Planing Mills)
PHILADELPHIA—*Alcott W. K. & Co., 52d & Lancaster
Allen Elwood Lbr. Co., Trenton & Ana
§Atherton Chas. & Co., Commercial Trust bldg
§Betts Lumber Co., 1218 Chestnut
§Bowers S. P. Co., 1628 Arch
Bruner Owen M. Co. (White & Yellow Pine & Hardwood, Arkansas Pine, Bevel Siding, Douglas Fir, K. D. N. C. & Long Leaf Pine, Red Cedar, Western & Idaho White Pine), 4th & Chestnut
See adv index at end of book
§Buzby C. M. & Sons, 626 Wash'n av
*Cherry River Boom & Lumber Co. (W. Va. Spruce, Hardwoods, Cypress & Pine), Penna bldg
Coale Thomas E. Lumber Co. (Spruce, Hemlock, White Pine, Cypress, Long & Short Leaf Yellow Pine, Hardwoods, Larch, Fir & Cal. Sugar Pine), 26th & Susquehanna
Cook Tie & Pole Co. (Telegraph Poles, Posts, Piling, Railroad Cross Ties, Cordwood, Pulp Wood, etc.), 919 Commercial Trust bldg.
Craig & Huff Co., 215 S Broad
§Felin Chas. F. & Co., Old York rd & Butler
§Geissel & Richardson, Ridge av e Master
§Gillingham Co., Norris & Richmond
§Hallowell & Souder (Hardwood, Pine & Cypress), Harrison bldg
*Hammer Thos. B., Drexel bldg
§Holloway J. F. (Hemlock, Hardwoods & N. C. Pine), Commercial Trust bldg
*§Kay Lumber Co. (Pine, Hemlock & W. Va. Spruce), H, 133 S 12th
§Kent J. S. Co. (All Pine, Spruce & Shingles), Harrison bldg
§Ketcham Howard, 330 W Girard
§Kugler Geo. W. & Sons Co., 921 New Market
Lear W. H. (Cypress & Hardwoods), 830 E Girard
§Lloyd Sam'l & Co., Girard bldg
§Lloyd Wm. M. Co., 29th & Sedgly
§McIlvain J., Gibson & Co. (Hardwood a Specialty), Crozer bldg
§Malone, Watson & Sons, Laurel St. Wharf
Mingus & Rutter (Oak, Poplar, Hemlock, N. C. Pine & Other Hardwoods), Liberty bldg
§Nass Geo. & Son, Glenwood & Daphin
Pearson & Ludascher Lbr. Co. (Yellow Pine) Westmoreland & Delaware
Penn. Lbr. Co. (Cypress, N. C. & Yellow Pine), Otis bldg
§Pennell Edmond, Penna bldg
§Schofield Bros. (White Pine, Spruce, Hemlock, etc.), Finance bldg
§Shearer Sam'l H. & Son, 1420 Chestnut
*Sheip Henry H. Mfg. Co. (Hardwoods & Cigar Box Lumber), 6th & Columbia
§Spiegle Geo. M. & Co., 18th & Somerset
Sterling Lumber Co., Finance bldg
§Tague Jas. E. & Co., 16th & Columbia av

(Continued on following page)

Lumber—Continued

PENNSYLVANIA—PHILADELPHIA—Continued

§Talley's Thos. J. Sons (Piling, Hemlock, Pine, Spruce & Oak), 15th & Race
Tanner Litchfield & Bundy, 1619H Chestnut
§Thompson Lewis & Co. (R R Ties & Posts), 1227 Gtn
*Tilghman Lbr Co., Shubert bldg
*†Turnbull J. W. Lumber Co. (White & Yellow Pine, Oak & Fir Timbers, also Exporters of Hardwoods), 1504 Locust
§Weitzel Lumber Co., Sedgeley & Gtn. av
§Whitmer Wm. & Sons (Inc.) (Hardwood, White Pine & Spruce), Finance bldg
§Wistar, Underhill & Nixon (Hardwood, Cypress & Pine), City Center bldg
§Yellow Pine Co. of Phila. (Long & Short Leaf Yellow Pine), Penna. bldg

PINE GROVE—*Boyer Mahlon H. (Lumber & Saw Mill)
Fegley Morris (Saw Mill)

PITTSBURGH—§Acorn Lbr. Co., Oliver bldg
§Allegheny Lumber Co., Ferguson bldg
§American Lumber & Mfg. Co. (Timber), Vandergrift bldg
§Babcock Lumber Co. (Hemlock, White & Yellow Pine & Maple Flooring, Hardwood & Shingles), Frick bldg
Forest Lumber Co., Fulton bldg
Germain Co. (Southern Yellow Pine, Cypress), Farmers' Bank bldg.
§Gillespie D. L. & Co. (Pitch Pine, etc), Oliver bldg
§Hastings J. M. Lumber Co. (Yellow Pine), 541 Wood
Hill Edwin M, 2601 Penn av
§Ingomar Lumber Co., 526 Federal
§Interior Lumber Co., Keenan bldg
§Nicola Lumber Co. (Red Cedar Shingles, Gum, Cottonwood, Hardwoods, Maple Flooring, etc), Farmers Bank bldg
§Ricks-McCreight Lumber Co., Oliver bldg
*Saw Mill Products Co. (Yellow Pine & Hardwood, Boxing a Specialty), 428 4th av
§Schuette Wm. & Co. Bndn Trust bldg
§Walter H. R. Lumber Co. (Hardwood, & Yellow Pine), Fayette & Manhattan
West Penn Lumber Co. (Yellow Pine, White Pine & Hemlock), Farmers Bank bldg
West Virginia Lumber Co. (Boxing, Crating & Tank), First National Bank bldg
Wheeler J. R. & Co. (Pattern, Templet, Flask & Tank Lumber, Roofing & Furring Strips, Yellow Poplar for Carriage & Piano Mfrs.), Park bldg
Willson Bros. Lumber Co. (Northern Pine, N. C. Pine & Shingles), Oliver bldg

PLATO—*Cook J. W. & Sons
PLATEA—Cook J. W. & Sons (Saw & Planing Mills)
PORT ALLEGANY—Holden A. C. Lumber Co.
POTTSTOWN—Snyder Henry J.
POTTSVILLE—Beecher & Barr (Mine Lumber, etc)
*Georgia Carolina Lumber Co.
*Glen Union Supply Co.
Lycoming Timber & Lumber Co.
*Tennessee Lumber Mfg. Co.
READING—Central Lumber Co.
Merritt Bros.
Reading Lumber Co.
Schofield Lance Co.
REYNOLDSVILLE—Hollis J. A. & Son
RIDGWAY—*Blue Stone Land & Lumber Co.
*Hyde W. H. & Co.
Thayer Henry S.
Walterboro Lumber Co. (Saw & Planing Mills)
ROCKWOOD—Wolf Penrose (White Oak, etc.)
ST. CLAIR—*Reichley Bros. & Co. (Mine Timber)
ST. MARYS—*Kaul & Hall Lumber Co.
*Portland Lumber Co.
SCRANTON—*Ansley Lumber Mfg. Co. (Shingles, Flooring, etc), 128 Meridian
*Cherry River Boom & Lumber Co. (Spruce, Hemlock & Hardwoods), Board of Trade bldg
Hagen Lbr. Co., 251 Hickory
§Lackawanna Lumber Co. (Hemlock & Hardwood), Traders' Bank bldg
§Newman J. J. Lumber Co., Traders' Bank bldg
*Peck Lbr. Mfg. Co., 187 E Market
§Price & Howarth, 1025 N Washington av
*Washburn, Williams & Co.
SHAMOKIN—*Kulp Lumber Co.
*Shamokin Lumber & Mfg. Co.
SHEFFIELD—Central Pa. Lumber Co. (Saw & Planing Mills)
*Pennsylvania Lumber Co. (Lumber, Lath & Shingles)
SHIPPENSBURG—Burns Harry (Saw Mill)
SMETHPORT—§Holmes & Gilfillan (Saw & Planing Mills)
SPRING MILLS—Finkle A. N. (White Oak & Pine)
SUNBURY—*Whitmer-Steele Co.
TAMAQUA—Zehner Jacob (Saw Mill)
TEMPLETON—*Redinger S. G. & Sons
TIDOUTE—*Hunter L. L. (Est. of)
Stillman J. A. (Lime & Cement)
TIONESTA—*Forman H. M. (Lumber & Ties)
*Gaston G. G. (Lumber & Saw Mill)
*Robinsonn G. W. & Son (Planing Mill)
TOWANDA—Ellenberger & MacNeal
TYLERSBURG—*Baxter Lumber Co. (Saw Mill)
TYRONE—*Beyer F. D. & Co. (Saw & Planing Mill)
UNIONTOWN—*Palmer & Semans Lumber Co. (Lumber, Lath & Shingles)
URSINA—*Davis J. B. & Sons (White Oak, Poplar, etc)
*Van Sickel E. Co. (not inc.) (White Oak, etc)
WARREN—*Rogers Lumber Co. (Hemlock, Pine, Hardwood Flooring, Mouldings, Lath, Shingles, House Finish, etc)
§West J. H. Lumber Co.
*Wetmore L. D. Co.
*§Young J. H. Lumber Co. (Saw Mill)
WASHINGTON—Dunbar & Wallace, Dept. H
WILLIAMSPORT—§Birkle John A.
*Bowman Lumber Co. (Hemlock, etc)
*Breining John A. & Son
*Central Penna. Lumber Co.
*Coleman Harter & McCormick
*Coleman John (Hemlock, etc)
§Erdman Geo. F.
*Emery Lumber & Coal Co. (Hemlock, Long, Large Bbls)
*Hall John L.
Hoover G. W.
*Kavanaugh Daniel
§Mansel James
*Mansel & Metzger
§Miller H. A. & Co.
*Perley A. P.
§Reese-Sheriff Lumber Co.
§Roos Chas.
*Sones C. W.
*Walton P. B.
§Williamsport Hardwood Lbr. Co.
*Williamsport Planing Mill Co.
WOODBURY—Frederick Adam (Saw Mill)
WYALUSING—*Welles M. H. & G. H. Lumber Co.

RHODE ISLAND.

PROVIDENCE—§Gage L. H. Lumber Co. (Hardwood), 32 Westminster
§Kile & Morgan Co., R. I. H. Tr. bldg
*Potter, J. A. & Co. (Southern Pine, etc.), Crary

SOUTH CAROLINA.

ALCOLU—*Alderman, D. W. & Sons Co.
ALLEN—Trexler Lumber Co. (Saw Mill)
ASHEPOO—*Bradley Lumber & Mfg. Co.
BADHAM—*Dorchester Lumber Co. (Saw & Planing Mills)
CAMDEN—§Davidson, Leroy S. & Co. (Saw & Planing Mills)
CHAPLIN—Robinson, C. P. (Saw Mill)
CHARLESTON—§Anderson Lumber Co. (Lumber Ties and Shingles)
*Halsey Lumber Co.
*North State Lumber Co. (Saw Mill)
Tuxbury A. C. Lbr. Co.
CHERAW—*Meiklejohn Lumber Co. (Saw & Planing Mills)
COLLETON—*Colleton Cypress Co. (Saw & Planing Mills)
COLUMBIA—§Allison Lumber Co. Inc. (Rough & Dressed), 729 Lady
Columbia Lumber & Mfg. Co. (Saw & Planing Mills)
*§Farr-Barnes Lumber Co. (Saw & Planing Mills)
CONWAY—Conway Lumber Co. (Saw Mill)
DONORA—Kendall Lumber Co. (Saw Mill)
EMBREE—*Edisto River Lumber Co. (Saw & Planing Mills)
ESTILL—*Hamilton Ridge Lumber Co. (Saw & Planing Mills)
FLORENCE—*Giles Bay Lumber Co. (Saw & Planing Mills)
GABLE—*Black River Cypress Co. (Saw & Planing Mills)
GEORGETOWN—*Atlantic Coast Lumber Corp.
§Ward-Bate Co. (Saw Mill)
Winyah Lbr. Co.
GREENWOOD—Snead, W. J., Lumber Co. (Saw & Planing Mills)
HAMPTON—*Hampton & Branchville R. R. Lumber Co.
HARDEEVILLE—*Argent Lumber Co. (Saw Mill)
KINGVILLE—Trumble Edwin (Saw Mill)
LAKE CITY—*Deep River Lumber Co. (Saw & Planing Mills)
LEESVILLE—Barr C. D. (Saw Mill)
LITTLE RIVER—*Hammer Lumber Co. (Saw & Planing Mills)
LUMBER—*McKeithan D. T. Lumber Co. (Lumber & Saw Mills)
McBEE—Ingram J. D. (Shingle Mill)
McCLELLANVILLE—Leland H. G. (Saw Mill)
McCORMICK—Dorn, M. G. & J. J. (Saw Mills)
MARION—Anderson Lbr. Corp.
*Bell Lumber Co. (Saw & Planing Mills)
Marion County Lbr. Corp.
MERIWETHER—Hines Lumber Co. (Saw & Planing Mills)
MONCKS CORNER—*Urmston-Shipley Lumber Co. (Saw Mill)
MULLINS—*Mullins Lumber Co. (Saw & Planing Mills)
NORTH AUGUSTA—Faulkner & Mealing Planing Mills)
PAMPLICO—*Dargan Wagoner Co. (Saw & Planing Mills)
PARKSVILLE—*Osborne C. C. Lumber Co. (Planing Mills)
PINEWOOD—Broughton N. L. (Saw Mill)
PROSPERITY—*Hunter & Saner (Lumber & Saw Mill)
RIDGEVILLE—Thrower D. E. (Saw Mill)
RIMINI—*Parker Lumber Co. (Saw & Planing Mills)
SALKEHATCHIE—*Baker, Moore & Co. (Saw & Planing Mills)
SCHOFIELD—*Saltkeatchie Lumber Co. (Saw Mill)
SELLERS—*Tilghman Lumber Co. (Saw & Planing Mills)
SUMMERVILLE—Prettyman J. F. & Sons
SUMTER—§Folley, O. H., & Co. (Saw Mill)
§McLaurin, H. J., Jr. (Saw & Planing Mills)
Penn Sumter Lumber Co. (Saw & Planing Mills)
SWANSEA—Rast W. B. & Son (Saw Mill)
TIMMONSVILLE—Anson Lumber Co. (Planing Mill)
VARNVILLE—Big Salkehatchie Cypress Co. (Saw & Planing Mills)
WALTERBORO—*Walterboro Lumber Co. (Saw Planing Mills)
WEST UNION—Brown Lumber Co. (Saw Mill)
Shockley J. C. (Saw Mill)

SOUTH DAKOTA.

RAPID CITY—Warren-Lamb Lumber Co. (Saw & Planing Mills)

TENNESSEE.

ALLARDT—§Gernt, Hugo & Arthur (Saw Mills)
BRAEMAR—Pittsburg Lumber Co. (Saw & Planing Mills)
BRISTOL—Bristol Door & Lumber Co. (Saw & Planing Mills)
Paxton Lumber Co. Inc. (Saw & Planing Mills)
*Stone Lumber Co.
BROWNSVILLE—Pracht, John C.
BUTLER—Peter-McCain Lumber Co. (Saw Mill)
CHATTANOOGA—*Card J. M. Lumber Co. (Hardwoods & Yellow Pine), Roosevelt av
*Chattanooga Lumber Co., 2101 W Side
§Evans G. H. Lumber Co. (White & Red Oak & Poplar)
CLEVELAND—Cleveland Lumber & Mfg. Co. (Saw & Planing Mills)
Still & Seaborn (Planing Mill)
COOK PLACE—Highland Coal & Lumber Co. (Saw Mill)
COVINGTON—Mayes Howard Lbr. Co. (Saw Mill)
COWAN—*Davidson, Hicks & Green Co. (Saw Mill)
DAVIDSON—Highland Coal & Lumber Co. (Saw Mill)
DYERSBURG—Calcutt, N. W., Co. (Saw Mill)
FAYETTEVILLE—Williams Lumber Co. (Saw & Planing Mills)
GERNT—§Gernt Hugo & Arthur (Saw Mills)
GLEN MARY—Tennessee Lumber & Coal Co. (Saw & Planing Mills)
JACKSON—*Coleman W. H. Co. (Tight Barrel Circled Headings, etc)
JELLICO—*Zickgraf-Jenson Lumber Co. (Saw Mill)
JOHNSON CITY—*Harris Mfg. Co. (Hardwood Lumber)
*Stevenson, Charles I. (Saw & Planing Mills)
*White Lumber Co. (Maple, Chestnut, Hickory, Basswood & Poplar)
KNOXVILLE—§Kimball J. C. & Co., Burwell blvd
Knoxville Lumber & Mfg. Co., 612 E Depot
Logan J. M. Lumber Co. (Wholesale)
Maples Lumber Co. (Wholesale), Gillespie & 10th av
River Side Lumber Co. (Mfrs.), Front
*Rose D. M. & Co., S Knoxville
*Vestal Lumber & Mfg. Co. (Tennessee Red Cedar, Band Sawed), Maryville Park
LANCING—Emory River Lbr. Co. (Saw Mill)
LOUDON—Ward A. W.
MARYVILLE—Babcock Lumber & Land Co. (Saw & Planing Mills)
MEMPHIS—*Anderson-Tully Co. (Gum & Cottonwood Lumber), N 2d
Baker-Matthews Lumber Co. (Plain & Quartered, Red & White Oak, Red & Sap Gum, White Ash, Cottonwood, Maple, Elm, Sycamore, Hickory, Tupelo, Poplar, Cypress), Bank of Comm. bldg, Dept. H
*Bellgrade Lbr. Co.
Brown Geo. C. & Co. (Hardwoods, Red Gum), Bank Commercial bldg

*Chickasaw Cooperage Co. (Cooperage Materials, etc), Phillips av
*Cole Mfg. Co., 789 S 4th
*De Soto Hardwood Flooring Co. (Planing Mills), 1014 Sledge
*Dickson J. W. Co. (Oak, Ash, Gum, Cottonwoods, etc), Lumber Exchange bldg
Ferguson & Palmer (Saw Mill)
Florence Table & Lbr. Co.
Friedel W. R. Co., 718 S Dudley
§Gayson Lumber Co. (Southern Hardwood, Ash, Oak, Gum, Elm, etc.) (Saw Mills), Florida & Fay
§Goodlander-Robertson Lumber Co. (Southern, All Kinds), Florida & Fay
§Green River Lbr. Co. (Saw Mill)
Jordan J. P. & Co., 100 S 2nd av
*McLean Hardwood Lbr. Co. (Saw Mill), Mallory av
§Major S. C. & Co. (Southern Hardwoods), Bk. Commerce & Terminal bl
§May Bros. (Saw Mill), Kentucky av
Memphis Band Mill Co. (Saw Mill), New South Memphis
*Memphis Hardwood Flooring Co. (Flooring), Thomas
Memphis Stave Mfg. Co. (Slack Barrel Staves), Wolf River
*Memphis Veneer & Lumber Co., Plum & Illinois Central R. R.
§Meredith J. P. Cedar Co. (Red Cedar, Piling, Poles & Posts), S Exp. bl
*Moore & McFerren (Cottonwood & Gum)
*§Mossman Lbr. Co. (Saw Mill), Morehead av
*§Nickey Bros. (Hardwood), Binghampton
*Penrod Jurden & McCowen Inc. (Hardwood)
*Russe & Burgess (Hardwood, Plain & Quartered Oak, Satin Walnut, Poplar, Tupelo, Gum, Bay Poplar)
*Sondheimer E. Co. (Gum, Cypress, Cottonwood, Ash, Elm, Poplar, Sycamore, etc), N McLean
§Stark Jas. E. & Co. (Plain & Quarter Sawed White & Red Oak, etc), Plumb & I. C. R. R.
*Stimson, J. V. Hardwood Co. (Saw Mill), New S. Memphis
§Stimson Veneer & Lbr. Co. (Saw Mills), Hill av
*Thompson Albert N. & Co. (Gum & Southern Hardwoods), Bk. Commerce & Terminal bl
Wheeler J. W. & Co. (Red Gum)

MENGELWOOD—*Mengel Box Co. (Saw Mills)
MOUNTAIN CITY—Doe Mountain Lumber Co. (Saw Mill)
NASHVILLE—§Davidson Hicks & Greene Co., 100 Russell
*Hayes A. L. Co. (Lumber & Tight Barrel Staves, etc), 4th & 1st bl
*Lieberman, Loveman & O'Brien, Chestnut
*Love, Boyd & Co. (Oak, Ash, Poplar, Chestnut, Sycamore, Hickory, Rough & Dressed), Ft. of S 2nd
*Nashville Hardwood Flooring Co., W Nash
*Nashville Tie Co. (Cross Ties & Cedar Piling), Commercial Club bl
§Ransom J. B. & Co. (Rough & Dressed Red Cedar, Yellow Poplar, Walnut, Ash, Oak & Red Cedar Flooring), 110 N 1st
Southern Lumber & Mfg. Co. (Saw Mill), Ft. S 2nd
*Tenn Oak Flooring Co. ("Tofco"), Ft. of 5th
NICK'S CREEK—Southern Lumber & & Mfg. Co. (Saw Mill)
NORCROSS—New River Lumber Co. (Saw Mill)
NORMA—*New River Lumber Co. (Hardwood)
POCAHONTAS—Howell M. H. (Saw Mills)
SOUTH PITTSBURGH—Haskew Lumber Co. (Saw Mill)
TELLICO PLAINS—Scott C. A. & Co. (Saw & Planing Mills)
Tellico River Lumber Co. (Saw & Planing Mills)
TOWNSEND—*Little River Lumber Co. (Saw & Planing Mills)
WATERTOWN—Williams Mfg. Co.
WAVERLY—*Lucas Land & Lumber Co. (Lumber & Planing Mill)

TEXAS.

ALTO—*Blount Decker Lbr. Co. (Saw & Planing Mills)
ATLANTA—§Richey T. R. Lbr. Mills (Saw Mills)
AVINGER—§*Coulter D. R. Lbr. Co. (Saw & Planing Mills)
Rhyne A. M. & Co. (Saw Mill)
BEAUMONT—*Beaumont Lumber Co. (Yellow Pine)
International Creosoting & Constr. Co.
*Keith Lumber Co. (Yellow Pine)
*Kirby Lumber Co. (Saw & Planing Mills)
*Miller & Vidor Lumber Co. (Saw & Planing Mills)
*Neches Lumber Co. (Saw & Planing Mills)
*Nona Mills Co., Ltd. (Yellow Pine)
Sabine Tram Co. (Yellow Pine)
BECKVILLE—§Daniels Z. C. (Saw & Planing Mills)
BENFORD—*Mardez Lumber Co. (Saw & Planing Mills)
BESSMAY—§Kirby Lumber Co. (Saw & Planing Mills)
BON WIER—Coffman J. H. Lumber Co. (Saw Mills)
BRONSON—Kirby Lumber Co. (Saw & Planing Mills)
BROWNDELL—*Kirby Lumber Co. (Saw & Planing Mills)
BUCK—*Livingston Lumber Co. (Saw & Planing Mills)
BURTON—*Burton Lumber Co., Dept. H
CALL—Kirby Lumber Co.
CAMDEN—*Carter W. T. & Bro. (Yellow Pine)
CARMONA—Sauer-Ragley Lumber Co. (Saw & Planing Mills)
CONNELL—*Reese-Corriher Lumber Co. (Saw & Planing Mills)
CONROE—Delta Land & Timber Co. (Saw & Planing Mills)
DALLAS—*Clark & Boice Lumber Co. (Yellow Pine)
*Craven Lumber Co. (Yellow Pine Lumber & Cypress Shingles)
§O'Neil W. H. & Co.
DIBOLL—*Southern Pine Lumber Co. (Yellow Pine)
DOUCETTE—Fidelity Lumber Co. (Saw Mill)
ELMINA—*Walker County Lumber Co. (Yellow Pine)
EVADALE—*Kirby Lumber Co. (Saw & Planing Mills)
FELICIA—*Sabine Tram Co. (Saw & Planing Mills)
FLETCHER—*Nona-Fletcher Lumber Co.
FOSTORIA—Foster Lumber Co. (Saw & Planing Mills)
FUQUA—*Kirby Lumber Co. (Saw & Planing Mills)
GALVESTON—*Moore & Goodman (Lumber, Lath & Shingles)
GARRISON—Garrison J. H. & Son (Saw & Planing Mills)
GLADSTELL—Grogan Mfg. Co. (Saw & Planing Mills)
GLADWATER—*Wadsworth T. M. (Yellow Pine & Hardwood)
GRAYBURG—*Thompson & Ford Lumber Co. (Saw & Planing Mills)
GROVETON—*Trinity County Lumber Co. (Yellow Pine)
HARLETON—Taylor R. W. & Co. (Saw & Planing Mills)
HARTBURG—Tomme S. M. & Sons, (Saw Mill)
HASLAM—Pickering W. R. Lumber Co. (Saw & Planing Mills)
HEMPHILL—§Knox Lumber Co. (Saw & Planing Mills)
HENDERSON—*§Rusk County Lumber Co. (Saw & Planing Mills)
HONEY ISLAND—*Myer R. A. Lumber Co. (Saw & Planing Mills)
HOUSTON—*Bender C. & Sons
*Carter W. T. Lumber & Bldg. Co. (Yellow Pine)
§Central Coal & Lumber Co. (L. L. Yellow Pine, La. Red Cypress, etc)
*Continental Lumber Co. (Yellow Pine, Cypress, Shingles, etc)
*Hill J. C. Lumber Co. (Lumber & Shingles)
*Kirby Lumber Co.
*Long-Bell Lumber Co.
*Norris W. H. Lumber Co. (L. & S. Leal & Yellow Pine Lumber & "Gilbert's" Shingles)
*Palmetto Lumber Co.
*Rice J. S. & W. M. Lumber Co.
*Sabine Lumber Co.
*Thompson Bros. Lumber Co.
*Trinity River Lumber Co.(Yellow Pine Lumber, Cypress Shingles)
*Vaughn Lumber Co.
Weir R. W. Lumber Co.
*West Lumber Co.
HUMBLE—*Bender C. & Sons (Saw & Planing Mills)
JACKSON—Pace Lumber Co. (Saw & Planing Mills)
JASPER—Gilmer, Alex'r Lumber Co. (Saw & Planing Mills)
JEFFERSON—*Clark & Boice Lumber Co. (Saw & Planing Mills)
*Torrans Mfg. Co. (Yellow Pine)
KELTYS—*Angelina County Lumber Co.
San Augustine Lumber Co.
KINGSVILLE—Kingsville Lumber Co
KIRBYSVILLE—*Kirby Lumber Co. (Saw & Planing Mills)
LEMONVILLE—*Beatrice Lumber Co. (Saw Mill)
*Hamburg Lumber Co. (Saw & Planing Mills)
LONGVIEW—*Castleberry & Flewellen Planing Mill Co. (Yellow Pine)
LOVELADY—Lang Smith (Saw & Planing Mills)
LUFKIN—*Lufkin Land & Lumber Co (Yellow Pine)
MANNING—Carter-Kelley Lumber Co. (Southern Yellow Pine & Cypress)
MILVID—*West Lumber Co. (Saw & Planing Mills)
NACOGDOCHES—Frost Johnson Lumber Co. (Saw & Planing Mills)
NEW WILLARD—*Texas Longleaf Lumber Co. (Saw & Planing Mills)
OAKHURST—*Palmetto Lumber Co. (Saw & Planing Mills)
ONALASKA—West Lumber Co. (Saw Mill)
ORANGE—*Lutcher & Moore Lumber Co (Calcasieu Long Leaf Yellow Pine)
*Miller-Link Lumber Co.
*Tulane Lumber Co. (Saw & Planing Mills)
PINELAND—*Temple Lumber Co. (Saw & Planing Mills)
REMLIG—Gilmer, Alex'r Lumber Co. (Saw & Planing Mills)
ROGANVILLE—*Kirby Lumber Co. (Saw
RUSK—Powell Land & Lumber Co. (Saw & Planing Mills)
SAN ANTONIO—*Vaughan Geo. C. & Sons (Yellow Pine)
SILSBEE—*Kirby Lumber Co. (Saw & Planing Mills)
STEEP CREEK—*Kirby Lumber Co. (Saw & Planing Mills)
TALLTIMBER—*Talltimber Mfg. Co.(Saw & Planing Mills)
TENAHA—Parker H. C. & Bro. (Saw Mill)
TEXARKANA—*Buchanan Wm. (Yellow Pine)
*Southern Pine Lumber Co. (Yellow Pine)
TRINITY—§Peyton & Meekens
*Rock Creek Lumber Co. (Saw & planing mills)
*Thompson Bros. Lumber Co.
VILLAGE MILLS—Kirby Lumber Co. (Saw & Planing Mills)
VOTH—Keith Lumber Co. (Saw & Planing Mills)
WATERMAN—Waterman Lumber & Sup. Co. (Saw & Planing Mills)
WAUKEGAN—*Keystone Mills Co. (Yellow Pine)
WESTFIELD—Boettcher Edward (Saw Mill)
WESTVILLE—*West Lumber Co. (Yellow Pine)
WHITE CITY—*Boynton Lumber Co. (Saw & Planing Mills)

UTAH.

OGDEN—Oregon Lumber Co.
SALT LAKE CITY—§Stayner & Daly (Fir, Pine and Cedar)

VERMONT.

BENSON—Fowler J. M. (Saw Mill)
BRATTLEBORO — *Holden & Martin Lumber Co. (Wood Mantels, Stair Finish, Boxes, Interior Finish)
BRISTOL—Lathrop Noah & Son (Saw Mill)
BURLINGTON—*Booth J. R. (Lumber & House Finish)
§Crane W. & D. G. Co. (also Packing Boxes)
*Hickok Horatio Co. (Saw Mill)
Robinson Edwards Lumber Co. (Pine & Hardwoor, Lath, Shingles & Flooring)
*Shepard & Morse Lumber Co. Canadian & Western Pine)
EAST BARNET—Roy Bros. (Saw Mill)
FAIRLEE—Perkins S. W. (Saw Mill)
HARDWICK—Sawyer C. M. (Saw Mill)
JOHNSON—Parker & Stearns (Saw Mill)
LONDONDERRY—Wait Ch. S. (Saw Mill)
MANCHESTER—Purdy W. A. (Saw Mill)
MANCHESTER DEPOT — *Rich Lumber Co. (Saw & Planing Mills)
MOUNTAIN MILLS—Deerfield Lumber Co (Saw & Planing Mills)
NEWPORT—*Prouty & Miller (Saw & Planing Mills)
NORWICH—Sargent E. P. (Saw Mill)
ORLEANS—*Parker Young Co.
PEACHAM—Jennison O. M. (Saw Mill)
PERU—*Hapgood J. J. & Co.
RANDOLPH—Marcott O. J. & Son
RUTLAND—Chaffee's F. Sons
SHARON—Sawyer Otis Co.
SWANTON—*Webster Geo. & Sons (Basswood)
TOWNSHEND—Willard Chas. H. (Saw Mills)
WAITSFIELD—Moriarty W. H. (Saw Mill)
WASHINGTON—Huntington Chas. W. (Saw Mill)
WATERFORD—Le Clair Fred (Saw & Planing Mills)
WELLS RIVER—§Moore Arthur J.
WEST DUMMERSTON—Taft John (Saw & Shingle Mill)
WINOOSKI—White Robt. J.
WORCESTER—Ladd C. M. (Saw Mill)

VIRGINIA.

ACCOMAC—Lilliston Morris & Co. (Saw Mill)
ACHILLES—Rowe E. H. (Saw Mill)
ALTAVISTA—Altavista Dogwood Mfg. Co. (Saw & Planing Mills)
AMBURG—U. S. Spruce Lumber Co., Dept. H
ARRINGDALE—*Camp Mfg. Co., Office. Franklin, Va.
ATKINS—Atkins Lumber Co., Inc. (Saw & Planing Mills)
BLACKEY—*Ritter W. M. Lumber Co. (Saw Mill)
BOYDTON—*Mount-Gearhart Inc. (Saw & Planing Mills), Dept. H
BURKEVILLE—*Burkeville Lbr. Co. Inc. (Saw & Planing Mills)
BUTTERWORTH—Camp Mfg. Co. (Saw & Planing Mills)
CHARLOTTESVILLE — *Charlottesville Lumber Co.
§King Lumber Co.
CHASE CITY—Jeffreys-Spaulding Mfg. Co. (Saw & Planing Mills)
CLAREMONT—*Arrington H. J. Co. (Hardwood)

(Continued on following page)

Lumber—Continued

VIRGINIA—Continued

CORNWALL—South River Lumber Co. (Saw & Planing Mills)
DAMASCUS—Damascus Lbr. Co. (Saw & Planing Mills)
DANIELTOWN—Wheler J. R. Co. (Saw Mills)
DANVILLE—Danville Lbr. & Mfg. Co. (Saw & Planing Mills)
DUNGANNON—Dungannon Lumber Co. (Saw & Planing Mills)
FLINT HILL—Flint Hill Cooperage & Lbr. Co
FORT BLACKMORE—*Stony Creek Lumber Co. (Saw Mill)
FRANKLIN—*Camp Mfg. Co. (N. C. Pine), Mills: Arringdale, Va.
GILMERTON—Roper John L. Lumber Co. (Saw Mill & Planing)
HARTSVILLE—*De Hart I. C. & Co.
HOTCHKISS—*Millboro Lumber Co. (Saw & Planing Mills)
HOT SPRINGS—*Tidewater H'dwood Corp.
HURLEY—Ritter W. M. Lumber Co. (Saw Mill)
IVOR—Shaw Land & Timber Co. (Saw & Planing Mills)
KELSA—Ritter W. M. Lumber Co. (Saw & Planing Mills)
KENBRIDGE—Kenbridge Mfg. Co. (Saw & Planing Mills)
KONNAROCK—Hassinger Lumber Co. (Saw Mill)
LYNCHBURG—§*Adams Bros.-Payne Co. (Sash Doors & Mill Work)
DeWitt H. E. Lumber Co.
*Hickson Lumber Co. (Saw Mill)
Massie Morrison Lumber Co.
§Woodson & Graves.
MARION—*U. S. Spruce Lumber Co. (Spruce, Hemlock & Hardwoods)
MASSIES MILL—*Bee Tree Lumber Co. (Saw Mill)
MOUNTAIN GROVE—Moore J. E. Lumber Co. (Saw Mill)
NORFOLK—Berkley Box & Lumber Co., Inc. (Box Shooks & Crates)
§Blake Frank W.
§Briggs G. S. & Co. (Air Dried, Edge Stocks, Box Grades, etc)
Cake Chas. W. (Saw & Planing Mills)
Conwell & Co. (Mine Prop. Timber)
*Deep River Lumber Co. (Saw & Planing Mill)
*Etheridge J. E. Lumber Co.
§Freeman E. B. (N. C. Pine Boards)
Greenleaf-Johnson Lbr. Co.
*Johnson-Greenleaf Lbr. Co.
Jordan Bros. Lumber Co. (Cedar Boat) 300 Main
§McKann M. & Co.
*Nichols Bros. (Cutters & Shippers of Pine, Oak & Spruce, Piles for Bridges Trestle & Dock Building)
*Richmond Cedar Works
*Roanoke R. R. & Lumber Co. (N. C. Pine)
*Rowland Lumber Co.
§Trant John H., Jr.
§Virginia-Carolina Tie & Wood Co.
Watkins E. A. & Bros. (Saw & Planing Mills)
ONANCOCK—*Platt & Co. (Saw & Planing Mills)
ONTARIO—§*Hailey C. M. (Saw & Planing Mills)
PARDEE—*Blackwood Lumber Co. (Saw & Planing Mills)
PENDLETON—Walton H. H. (Saw Mills)
PENOLA—*Rose Hill Lumber Co., Inc. (Saw & Planing Mills)
PETERSBURG—Appomattox Box Shook Co. (Shook Mill)
Paper Box & Lumber Co. (Saw & Planing Mills)
*Robertson E. A. (Pine Lumber Boards & Rough or Dressed Trimming)
Roper Bros. Lumber Co.
§Shepherd T. J. (Saw Mill)
PORTSMOUTH—§Hart Jno. N. Lumber Co. (Saw & Planing Mill)
PROSPECT—Taylor Co., Inc. (Saw Mill)
PUTNAM—*White Oak Lumber Co. (Saw Mill)
RICHMOND—§Ellington & Guy (Yellow & N. C. Pine, Ceiling, Roofing, Long & Short Leaf, Rough or Dressed), Times-Dispatch bldg
Francis W. R. & Bros. (Saw & Planing Mill) 1422 W Cary
Heppert Jos. (Saw & Planing Mill), 906 Catherine
*Lea Lumber Co.
*Montague Mfg. Co., (Saw & Planing Mill), 4 S 10th
*Richmond Cedar Works (N. C. Pine, Rough & Dressed, Band Sawed, Poplar, Cypress Gum, etc), Fulton
Richmond Wood Working Co. (Saw & Planing Mill)
Siewers Richard A. (Saw & Planing Mill), 604 W Canal
§Sitterding-Carneal-Davis Co. (Saw & Planing Mill), 1601 W Leigh
§Winston, Miller & Clack
§Woodward & Son (Yellow & White Pine, Hardwood of All Kinds, etc), 4 S 10th
ROANOKE—Adams Payne & Gleaves Inc. (Dlrs.)
Central Mfg. Co.
*Keys-Walker Lbr. Co.
SUFFOLK — Dill Cramer-Fruitt Corp. (Saw Mill)
*Montgomery Lumber Co. (See New York)
TEMPERANCEVILLE—Jones J. H. (Saw Mill)
VICTORIA—*Weaver R. S. (Saw Mill)
WAVERLY—*Gray Lumber Co. (Saw & Planing Mills)
WEST POINT—§Richardson R. E. & Co.
WHALEYVILLE—Jackson Bros. Co. (Saw & Planing Mills)
WINCHESTER—*§Glaize Bros.
WOODSON—*§U. S. Spruce Lumber Co., Dept. H.
Woodson Lumber Co. (Saw Mill)
WOODSTOCK—Harris I. H. (Saw Mill)

WASHINGTON.

ABERDEEN—Aberdeen Lumber & Shingle Co. (Lumber & Shingles)
*American Mill Co. (Lumber & Shingles)
*Anderson & Middleton Lumber Co.
*Bay City Lumber Co. (Saw Mill)
*Big Creek Timber Co.
*Donovan Lumber Co. (Saw Mill)
*Federal Mill Co. (Branch of San Francisco)
*Grays Harbor Logging Co. (Logging)
*Grays Harbor Mfg. Co.
*Grays Harbor Shingle Co.
§Pacific Lumber Agency
*Saginaw Timber Co.
*Slade S. E. Lumber Co. (Branch of San Francisco)
*Union Timber Co. (Logging)
*West A. J. Lumber Co.
*Wilson Bros. & Co. (Saw & Planing Mill)
*Wishkah Shingle Co.
ACME—Miller G. W. Shingle Co. (Red Cedar Shingles)
ADDY—*Dearinger & Brunner (Saw Mill)
ALDER—*Reliance Lumber Co. (Branch of Seattle)
Johnson J. C. Lumber Co. (Saw Mill)
*Nisqually Shingle Co. (Shingle Mill)
ALOHA—*Aloha Lumber Co.
*Joe Creek Shingle Co. (Shingle Mill)
ALPINE—*Nippon Lumber Co. (Lumber & Shingles)
AMBOY—*Tum Tum Tire & Lumber Co. (Saw & Planing Mill)
ANACORTES—Anacortes Lumber & Box Co.
Cavanaugh J. H. & Sons (Shingle Mills)
*Corbett Mill Co. (Shingle Mill)
*Fidalgo Lumber & Box Co. (Saw Mill)
Hamilton J. E. (Shingle Mill)
Reichert Cedar Co. (Shingle & Planing Mills)
*Vincent G. E. (Shingles, etc)
ARLINGTON—*Brown-Kunze Co. (Shingle Mill)
*Hartford Shingle Co. (Shingle Mill)
*North Star Shingle Co., Inc. (Shingle Mill)
*Verd Cedar Co. (Shingles, etc)
ASOTIN—Farrish Arthur Lumber Co.
AUBURN—*Wilder J. E. (Lumber)
BALLARD—(See Seattle)
BARNESTEN—*Kent Lumber & Timber Co.
BATTLE GROUND—Brothers J. W. (Saw Mill)
BEECODA — *Mutual Lumber Co. (Saw Mill)
BELLEVILLE—*Butler Lumber Co. (Saw & Shingle Mills)
BELLEVUE—*Heweet Lea Lumber Co. (Saw & Planing Mills)
BELLINGHAM—Bloedel Donovan Lumber Mills (Saw & Planing Mills)
*Futurity Investment Co. (Shingle Mill)
*Jerns Nicholas (Shingle Mill) (Shingles)
Jerns N. (Shingle Mill)
*Lake Shingle Co. (Shingle Mill)
*Manley & Sons (Shingle Mill)
*Mattson & Anderson (Shingle Mill)
*Miller Bros. Lumber Co.
*Minnesota-Western Lumber Co.
Mogul Logging Co.
*Morrison Mill Co. (Saw & Shingle Mill)
Nestos Timber Co., Ltd.
*Pancoast Shingle Co.
Puget Sound Sawmill & Shingle Co. (Saw & Planing Mills)
*Silver Beach Shingle Co.
*Upright Shingle Co. (Saw Mill)
Whatcom Falls Mills Co. (Saw Mill, etc)
*Wood E. K. Lumber Co. (Branch of San Francisco)
BIG LAKE—*Day Lumber Co. (Saw & Shingle Mills)
Progressive Mill & Logging Co. (Saw Mill)
BIRDSVIEW — *Hightown Lumber Co.
BLANCHARD—Hazel Mill Co. (Saw & Planing Mills)
BLAINE—*Blain Lbr Co.
Morrison Mill Co. (Saw & Shingle Mill)
BLUECREEK—Elkhorn Mill Co. (Saw Mill)
BLUESLIDE—White Pine Cedar Co. (Saw & Planing)
BORDEAUX—*Mumby Lumber & Shingle Co.
BOTHELL — Oakville Shingle Co. (Shingles)
BOW—*Cleary Bros. (Shingle Mill)
Butler Lbr. Co. (Saw & Planing Mills)
BREWSTER—*Gamble Lumber Co. (Saw & Planing Mill)
BRYANT—*Page Lumber Co. (Loggers)
BUCKLEY—*Page Lumber Co. (Lumber & Shingles)
BUCODA—*Bucoda Shingle Co. (Saw Mill)
BUNKER—*Bunker Shingle Co. (Shingle Mill)
Hill Logging Co. (Saw Mill)
BURLINGTON—Knutzen Bros. (Shingle Mill)
BURNETT—*Knowlton B. E. (Saw Mill)
CAMAS—Cavitt, J. H. (Saw Mill)
Las Camas Mill & Flume Co. (Saw & Planing Mills)
*Peterson Bros (Saw Mill)
CARLISLE—*Copalis Lumber Co. (Saw Mill)
CARLSBORG—*Carlsborg Mill & Timber Co. (Saw & Planing Mills)
CARLTON—Plessinger Lumber Co. (Saw Mill)
CASHMERE—Cashmere Lumber Co. (Saw Mill)
*Schmitten F. W. & Co. (Saw Mill)
CASTLE ROCK—*Cowlitz Shingle Co. (Shingle Mill)
Dirks Henry (Saw Mill)
*Peabody & Buland (Shingle Mill)
*Robin T. W. (Shingles)
*Silver Lake Railway & Lumber Co. (Loggers, etc)
CENTRALIA—*Eastern Railway & Lumber Co. (Shingles)
*Lincoln Creek Lumber Co.
Lumber Mfrs. Agency (Fir, Spruce, Cedar Lumber & Shingles, Fir Railroad & Structural Timbers, Car Materials, Yard Stock, Finish, Flooring, Ceiling, Lath & Cedar Shingles)
*Martin H. H. Lumber Co.
CHATTAROY—Sexton J. F. & Co.
CHEHALIS—Chehalis Mill Co. (Saw & Planing Mills)
*Chehalis Shingle Co.
Coal Creek Lumber Co. (Saw Mill)
Shaver R. M. (Saw Mills)
CHELAN—Lake Chelan Box Factory (Saw & Planing Mills)
CHESAW—*Baker-Nealey Co. (Saw Mill)
Richter Julius (Saw Mills)
CLEAR LAKE—*Clear Lake Lumber Co. (Fir & Red Cedar Shingles)
CLE ELUM—§Miller & Dunn
CLINTON—*Salisbury Bros. (Shingle Mill)
CLIPPER—*Clipper Shingle Co.
COLBY—*Colby Mill Co.
COLFAX—*Potlatch Lumber Co. (Lumber & Planing Mill)
COLVILLE—Diehl D. S. & Co. (Saw Mill)
Loucks J. H. (Saw Mill)
CONCONULLY—*McDaniels Wm (Saw Mill)
CONCRETE—*Baker River Lumber Co. (Shingle Mills)
CONNELL — *Potlatch Lumber Co. (Branch of Potlatch, Idaho)
COSMOPOLIS—*Grays Harbor Commercial Co. (Spruce & Red Cedar Shingles, Fir Tanks, Crosstie Poles, Dressed Lumber for Interior Finish, Ceiling, Siding, Wainscoting, Mill Work, Box Shooks, mixed cars of Lumber & Shingles, etc)
COULEE CITY—*Wright Bros. Lumber Co., Ltd.
COUPEVILLE—Coupeville Lumber Co.
*Island Mfg. Co. (Saw & Shingle Mill)
CUSICK—*Phelps M. A. Lumber Co. (Saw Mill)
CUSTER—*Custer Lumber Co. (Shingles)
*Jeffers F. K. (Saw Mill)
DARRINGTON—Giles Lumber Shingle Co. (Saw Mill)
DALKENA—*Dalkena Lumber Co.
WASHINGTON—continued
DARTFORD—*Dart H. W. (Saw Mill)
DEER PARK—*Deer Park Lumber Co., (Saw Mill)
*Stevens Lumber Co. (Saw Mill)
DOTY—*Doty Lumber & Shingle Co.
DRYAD—*Luedinghaus Bros. (Saw Mill)
DUVALL—*Cherry Valley Shingle Co. (Shingle Mill)
EAGLE GORGE—*Page Lumber Co. (Saw & Planing Mills)
EASTON—*Cabin Creek Lumber Co. (Saw Mill)
EATONVILLE—*Eatonville Lumber Co. (Saw Mill)
*Eppler Lumber Co. (Branch of Tacoma)
*Tide Water Mill Co. (Saw & Planing Mills)
ECHO—*Onstine A. (Saw Mill)
EDGEWICK—*North Bend Lumber Co. (Saw & Planing Mills)
EDMONDS—*A. & C. Mill Co. (Shingle Mill)
Proctor Cedar Co. (Shingle Mill)
*Quality Shingle Co. (Saw Mill)
Queen Mill Co. (Saw Mill)
*Yost A. M., Est. of (Lumber & Shingles)
ELBE—*Cedar Shingle Co.
*Elbe Lumber & Shingle Co.
ELK—Edwards & Bradford Lumber Co. (Saw Mill)
ELLENSBURG—*Kittitas Lumber Co. (Saw Mill)
*Ellensburg Lumber Co. (Saw Mill)

ENTIAT—*Gray Geo. H. & Son (Saw Drop Siding, Ceiling, Finish Edge, Grain Fir Flooring)
ETNA—*Harvey Mill Co.
EVERETT—*Bayside Shingle Co. (Shingle Mill)
†Blackman Point Mill (Shingle Mill)
*C. B. Lumber & Shingle Co. (Shingle Mill)
*Clark-Nickerson Lumber Co.
*Clough-Hartley Co. (Saw & Shingle Mill)
*McClough Shingle Co. (Shingle Mill)
*Eclipse Mill Co. (Lumber & Shingles)
Ever Best Shingle Co. (Shingle Mill)
*Ferry-Baker Lumber Co. (Fir Lumber & Lath, Red Cedar, Beveled Siding, Shingles, etc)
*Garner Shingle Co. (Shingle Mill)
*Hartley Shingle Co. (Saw & Shingle Mill)
Hubbert Wm. Mill Co.
*Jamison Mill Co. (Shingle Mill)
*Mukilteo Shingle Co. (Shingle Mill)
*National Pole Co. (Branch of Escanaba, Mich.)
*Pacific Timber Co. (Fir Timbers, Deep Joist, Flooring, Ceiling, Cedar Siding & Shingles)
Robinson Mfg. Co. (Saw & Planing Mills)
*Rucker Bros. (Saw Mill)
*Sutherland Mill Co. (Shingle Mill)
Walton Lumber Co. (Saw Mill)
*Weyerhaeuser Timber Co. (R. R. Timbers, Car Materials, Flooring, Finish, Ceiling, Siding, Newels, Mouldings, Wagon Bottoms, etc)
EVERSON—*Hemmi-Nygren Mfg. Co. (Shingle Mill)
FAIRFAX—*Manley Moore Lumber Co. (Saw & Planing Mills)
FERNDALE—Pehrson August (Saw Mill)
FLORENE—*Hals John (Saw Mill)
FORKS—*Iverson J. B. (Saw Mill)
FORTSON—*Fortson Shingle Co.
*McCaughey Mill Co. (Branch of Seattle)
FREDERICKSON — *Foster - Newbegin Lumber Co. (Saw Mill)
GERTRUDE—*Washington Lumber & Box Co. (Saw & Planing Mills)
GETCHELL—*Eggert G. S. (Shingles)
GLACIER—Campbell Moore Lumber Co. (Saw Mill)
GLOBE—*Globe Lumber Co.
GOLDENDALE—Cameron J. E. Lumber
Klatt W. C. & Sons Co. (Planing Mill)
GOSHEN — *Goshen Lumber Co. (Saw Mill)
GRANITE FALLS—*Chappell Shingle Co. (Shingles)
*Menzel Wm. (Saw Mill, Red Cedar Shingles)
Waite Mill & Timber Co. (Saw & Planing Mills)
HARRINGTON—*Harrington Milling Co.
HARTFORD—Rucker Bros. (Branch of Everett)
HAZEL—*Lake Riley Mill Co.
HEISSON—*Ryan-Allen Lumber Co.
HEYBROOK—*Heybrook Lumber Co. (Saw & Planing Mills)
HIGH POINT—*High Point Mill Co. (Shingle Mill)
HOBART—*Wood & Iverson
HOQUIAM—*Coats Shingle Co.
Corkey Bros. Logging Co. (Loggers)
Davenport-Paine Co. (Loggers)
*East Hoquiam Shingle Co. (Shingle Mill)
*Endresen Spar & Timber Co.
*Eureka Cedar Lumber & Shingle Co.
*Grays Harbor Lumber Co. (Saw Mill)
*Hoquiam Lumber & Shingle Co.
*Hoquiam Sash & Door Co. (Saw & Planing Mills)
Lamb Frank H. Timber Co. (Loggers)
*Lytle Logging & Mercantile Co. (Logging)
*National Lumber & Mfg. Co. ("Grays Harbor" Fir & Spruce; mixed cars of Lumber, Mouldings, Columns & Lath)
*Northwestern Lumber Co. (Spruce Fir & Cedar Shingles)
*Wood E. K. Lumber Co. (Fir, Spruce & Box Mfrs. (Branch of San Francisco)
Woodlawn Mill & Boom Co. (Saw Mill)
HUMPTULIPS—*Quinault Shingle Co. (Saw Mill)
INDEX—Index-Galena Lumber Co. (Pacific Coast Woods & Shingles)
INGLEWOOD—*Semmamick Shingle Co. (Saw Mill)
IONE—*Panhandle Lumber Co., Ltd. (Branch of Spirit Lake, Idaho)
ISSAQUAH—Neukirchen Bros. (Saw & Planing Mills)
JOYCE—Port Crescent Shingle Co. (Saw Mill)
KALAMA—*Mountain Timber Co. (Branch of Omaha, Neb.)
*Kapowsin Mill Co. (Saw & Planing Mills)
KEECHELUS—Kittitas Lumber Co. (Saw & Planing Mills)
KELSO—*Coweeman Driving & Rafting Co. (Loggers)
*Kelso Lumber Co. (Saw Mill)
*Long Bell Lumber Co. (Saw Mill)
*Moore J. N. (Shingle Mills)
KERRISTON—*Northwest Lumber Co. (Branch of Seattle)
KETTLE FALLS—*Charlton J. J. (Saw Mill)
KEYSTONE—*Stone Roller T.
KLICKTAT—*Nordby & Scott, Inc. (Saw Mill)
*Western Pine Lumber Co. (Saw & Planing Mill)
KNAPPTON—*Astoria Timber & Lumber Co. (Branch of Astoria, Ore.)
*Knappton Mills & Lumber Co.
KNOWLTON—*Brewster Lumber Co.
LACENTER—*Brothers James W.
LACEY—*Russell Thos. N. (Shingles)
LAKE STEVENS—*Rucker Bros. (Saw Mill & Shingles)
LAWRENCE—Bridge Shingle Co. (Saw Mill)
LEAVENWORTH—*Great Northern Lumber Co. (Saw & Planing Mills)
LEBAM—Lebam Mill & Timber Co. (Saw Mill)
LINDBERG—Mountain Road Mill Co. (Saw Mill)
LITTELL—Snow Lumber & Shingle Co. (Saw Mills)
LITTLE FALLS—*Stillwater Lumber Co.
LOON LAKE—*Loon Lake Lumber Co.
LOWELL—New England Mfg. Co. (Shingle Mill)
LYLE—Lyle Lumber & Mfg. Co. (Saw Mills)
*Shippey O. E. (Saw Mill)
LYMAN—*Skagit Mill Co.
LYNDEN—*Lynden Mill & Light Co. (Shingle Mill)
*Roo & Van Leeuwen Lumber Co.
Shady Brook Shingle Co. (Saw Mill)
McCORMICK—*McCormick Lumber Co. (Fir Yard Stocks, Flooring, Ceiling, Dimension, Long Timbers. Cross Arms & Shingles)
*McCleary Henry Timber Co. (Saw & Planing Mills)
McINTOSH—*Perry A. P. Lumber Co. (Saw & Planing Mills)
McKENNA—*McKenna Lumber Co. (Fir, Fir Lathe & Cedar)
McMILLIN—*Overton Lumber Co. (Saw & Planing Mills)
McMURRAY—*Atlas Lumber Co. (Saw & Planing Mills)
MACHIAS—Bartlett Mill Co. (Shingles)
MALONE—*Vance Lumber Co. (Saw & Planing Mills)
MAPLEFALLS—Silver Lake Mfg. Co. (Saw & Planing Mills)
MARCUS—Holston E. A. (Saw Mill)
*Pine Lumber Co. (Saw Mill)
MARKHAM—*Markham Shingle Co.
MARYSVILLE—*Kruse Shingle Co. (Saw Mills)
Piant Mfg. Co. (Saw Mill)
*Royal Cedar Co. (Saw Mill)
*Russell Mfg. Co.
MATLOCK—Ford H. E. (Saw Mill)
MESKILL—Meskill Lumber Co. (Saw Mills)
METALINE FALLS—Sexsmith Lumber Co. (Saw & Planing Mills)
METHOW—*Methow Sawmill Co. (Saw & Planing Mills)
MIDLAND—Howell-Hill Mill Co. (Saw Mill)
MILAN—*Spokane Lumber Co.
MILLTOWN—Victoria Mill Co. (Saw Mill)
MINERAL—Carlson Lumber Co. (Saw Mill)
Miller-Wilson Lumber Co. (Saw Mill)
Mineral Lake Lumber Co. (Saw & Planing Mills)
Smith M. R. Lumber & Shingle Co. (Saw & Planing Mills)
*Valley Shingle Co. (Saw Mill)
MOCLIPS—Smith M. R. Lumber & Shingle Co. (Saw Mill)
MOLSON—Mitchelly S. C. Co. (Saw Mills)
MONOHAN—*Allen & Nelson Mill Co. (Saw Mill, Lumber Mfrs., Piling, Loggers, Fir & Hemlock)
MONROE—Johnson John (Saw Mill)
*Monroe Mill Co. (Shingles, etc.)
Stepneno-Bird Lumber Co. (Saw & Planing Mills)
§Wagner & Wilson (Cedar Shingles, Shingles, Fir Flooring, etc)
MONTBORNE—Nelson-Neal Lbr. Co.
MONTESANO—*Bishop E. K. Mill Co.
Clemons Chas. H. (Loggers)
*Hillview Shingle Co. (Saw Mill)
*Hoquiam Sash Door Co.
MORTON—*Lake Creek Shingle Co. (Saw Mill)
MOUNT VERNON—Progressive Mill & Logging Co. (Saw Mill)
MUKILTEO—*Crown Lumber Co. (Saw & Planing Mills)
*Mukilteo Shingle Co. (Saw Mill)
NAGROM—*Morgan Lumber Co. (Saw & Planing Mills)
NAPAVINE—Emery & Nelson
*Napavine Lumber & Mfg. Co. (Saw Mills)
NATIONAL—*Pacific National Lumber Co. (Saw Mill)
NORTHPORT—Palm & Sons (Saw Mill)
Standard Lumber Co. (Saw Mill)
NORTH YAKIMA—Cascade Lumber Co. (Kiln Dried Western Pine, Lap Siding, Finnish, etc.)
OLYMPIA—*Buchanan Lumber Co. (Saw & Planing Mills)
*Olympia Door Co. (Shingles, etc)
McCleary Henry Timber Co. (Saw Mills)
*Panama Lumber & Shingle Co. (Saw Mills)
OMAK—*Columbia Valley Lumber Co.
ONALASKA—Carlisle Pennell Lumber Co.
OROVILLE — Mitchell S. C. Co. (Saw Mill)
OSO—*Oso Shingle Co. (Saw Mill)
OSTRANDER—*Ostrander R'y & Timber Co. (Long Timber, Spars & Ties)
PE ELL—*Yeoman Lumber Co.
PENRITH—King Sash Door & Lumber Co. (Saw Mill)
PERU—§*Eisaman & Ricker (Dirs in Hardwood Lumber)
PESHASTIN—Peshastin Lumber & Box Co.
Wright C. A. (Saw Mill)
PILCHUCK—*Parker Bell Lumber Co.
POMEROY—*Potlatch Lumber Co. (Lumber & Planing Mill)
PORT ANGELES—*Eacrett Mill Co. (Shingles)
*Filion Mill & Lumber Co.
Puget Sound Mills & Timber Co. (Fir, Red Cedar, Spruce, Western Hemlock, Cargo Mills & Shingles)
*Walt Elk Shingle Co. (Saw Mill)
PORT BLAKELEY—*Port Blakeley Mill Co. (Telegraph Arms, Lumber, etc.)
PORT GAMBLE—Pope & Talbot
*Puget Mill Co. (See San Francisco)
PORT LUDLOW—*Puget Mill Co. (See San Francisco)
PRAIRIE—*Hoyt J. M. (Shingles)
PRESTON—Preston Mill Co. (Red Cedar Fir & Spruce Lumber & Red Cedar Shingles)
PUYALLUP—Brew Mfg. Co. (Saw & Planing Mills)
*Evergreen Lumber Co. (Saw & Planing Mill)
QUILCENE—Green Mill Co., Inc. (Saw Mill)
RAINIER—*Lindstrom Handforth Lumber Co. (Saw & Planing Mills)
RAYMOND— Case Shingle & Lumber Co. (Shingle Mill)
*Coats A. S. Shingle Co. (Shingle Mills)
Hanify Lumber Co. (Saw Mill)
Hart Wood Mill Co. (Saw Mill)
Quinault Lumber Co. (Saw Mill)
*Raymond Lumber Co. (Fir & Spruce)
Siler Mill Co. (Spruce, etc)
Southwest Mfg. Co. (Saw Mill)
*Willapa Lumber Co. (Fir, Spruce, Shingles, etc)
REDMOND—Campbell Mill Co. (Saw & Planing Mills)
RENTON—May Creek Shingle Co. (Shingle Mill)
REPUBLIC—*Karamin Lumber Co. (Saw & Planing Mills)
RIDGEFIELD—Potter H. J. (Saw Mill)
ROBE—*Richardson & Walker (Shingle Mill)
ROCHESTER—N. & M. Lumber Co. (Saw & Planing Mills)
ROSBURG—*Gray's River Shingle Co. (Saw Mill)
SCOTIA—Graham Chas.
SEATTLE—Atlas Lumber Co. (Fir, Red Cedar Lumber & Shingles), Atlas bldg
Bissell Lumber Co., The Meadows
*Bloedel Donovan Lumber Mills, Henry bldg
Brace & Hergert Mill Co. (Saw Mills)
Brandmeir-Rounds Lumber Co., White bldg
*Bryant Lumber & Shingle Mill Co. (Lumber & Shingles)
Burton-Beebe Lumber Co., White bldg
Canal Lumber Co. (Red Cedar Shingles), Interbay Station
Collins John D. Lumber Co., White bldg
§Cross-Bodine Lumber Co., White bldg
*Day Lumber Co.
Driver L. F. Lumber Co. (Fir, R R & Industrial Timber), White bldg
Dunn Lumber Co. (Fir, Red Cedar Shingles), White bldg
Ehrlich-Harrison (Hardwood), 35 Hanford
Elliott Bay Mill Co. (Fir, Plywood & Veneer), 600 W Spokane av
Foster-Morgan Lumber Co. (Fir), Henry bldg
§Hartmann Neubert Lumber Co. (Spruce, Fir & Red Cedar)
*Kent Lumber & Timber Co., White bldg
McDonnell J. W. Lumber Co. (Saw Mill)
McLaughlin Taylor Co. (Shingle Mill)
Mullins Sawmill Co. (Saw & Planing Mills)
*Northwest Lumber Co. (Shingles, etc.)
Nettleton Lumber Co., 1203 4th av
§Pacific Fir Co. (Timber, Piling, Ties, Red Cedar, Shingles, etc.)
§Pacific Lumber & Shingle Co., Inc. (Box & Crating), Crary bldg
Parks & Lawton (Fir, Spruce & Hemlock, R. R. & Bridge Timbers), Stuart bldg
*Phoenix Shingle Co. (Shingle Mill)
§Pinkham J. E. Lumber Co., White bldg
§Pioneer Lumber Co. (Fir, Spruce, Hemlock, Red Cedar, White Pine)
*Pontiac Shingle Co. (Shingle Mill)
*Preston Mill Co. (Fir)

(Continued on following page)

Lumber—Continued

WASHINGTON—SEATTLE—Continued
- ***Puget Mill Co. (Fir & Hemlock), 803 Walker bldg**
- ***Roy E. B. Lumber Co. (Fir, Spruce & Red Cedar Lumber & Shingles)**
- ***Seattle Cedar Lumber Mfg. Co. (Sliding, Moulding, Columns, Newells & Shingles, etc.)**
- **Sobey, James (Shingle Mill)**
- ***Smith M. R. Lumber & Shingle Co. (Shingles, etc)**
- ***Stetson & Post Lumber Co. (Saw Mills)**
- ***Stimson Mill Co. (Lumber, Shingles & Saw Mills)**
- Totem Lumber Co., 929 Henry bldg
- ***Wilson Robert S. (Lumber & Red Cedar Shingles)**

SEDRO WOOLLEY—***Casey-Childs Shingle Co. (Shingle Mill)**
- ***Cony Shingle Co. (Shingle Mill)**
- ***Grand Rapids Shingle Co. (Shingles, etc)**
- ***Shrewsbury H. H.**

SELLECK—*Pacific States Lumber Co. (Saw & Planing Mills)

SHELTON—Ingersoll Shingle Mfg. Co. Shingle Mill)
- *Simpson Logging Co.

SILVER BEACH—Mattson & Anderson

SILVER LAKE—*Barnes F. G. (Shingles)

SKAMOKAWA—*Columbia Cedar Co. (Shingle Mill)

SKYKOINISH—*Bloedel Donovan Lumber Mills

SNOQUALMIE—Snoqualmie Falls Lumber Co. (Saw & Planing Mills)

SOUTH BEND—*Andahl John (Shingle Mill)
- ***Columbia Box & Lumber Co.**
- ***Kleeb Lumber Co. (Fir & Spruce Lumber, Fir Flooring, Ceiling, Stepping Fir Yard Shooks)**
- *Lewis J. A. Shingle Co.
- ***Lewis Mill & Timber Co. (Saw Mill)**
- ***South Bend Mills & Timber Co.**
- ***North Palix Shingle Co. (Shingle Mill)**
- ***Willapa Logging & Timber Co.**

SOUTH PRAIRIE — *Nettleton - Bruce Logging Co.

SPOKANE—*Exchange Lumber & Mfg. Co., 2615 Cincinnati
- Hedlund Box & Lumber Co. (White Pine), Stone & E B'way
- *King Sash, Door & Lumber Co., N. 2616 Cincinnati
- *Long Lake Lbr. Co., Grace & Nevada
- *Loon Lake Lumber Co., Realty bldg
- ***McGoldrick Lumber Co. (Western Soft Pine, Idaho White Pine Lumber & Lath), N. 816 Cincinnati**
- *Phoenix Lumber Co. (Saw Mill), N. 308 Wall
- Pine Zone Lumber Co., Realty bldg
- §Richards John M. Co., Old National Bank bldg
- **Sexton J. F. & Co.**
- Success Mfg. Co., E 1027 Marietta av
- Waterman F. W. (Pine, Fir & Cedar), Symonds bldg
- §Weyerhaeuser Sales Co., Old National Bank bldg

SPRINGDALE—Phoenix Lumber Co. Saw & Planing Mills)

STANWOOD — *Stanwood Lumber Co. (Shingles, etc)
- Wisconsin Timber Co. Inc. (Saw Mill) Timber)

STARTUP—*Wisconsin Timber Co. (Saw Mill)

STEARNSVILLE—*Stearns Lumber & Shingle Co. (Shingle Mill)

STEVENSON—Youmans Simpson Lumber Co. (Saw & Planing Mills)

TACOMA—Buffelen Lumber & Mfg. Co. (Saw & Planing Mills)
- *Clear Fir Lumber Co. (Saw & Planing Mills)
- *D. & M. Lumber Co. (Saw Mill), Tacoma bldg
- *Defiance Lumber Co.
- Dempsey Lumber Co. (Fir Lumber & Timber), Tide flats
- Dickman Lumber Co., North End Water Front
- Dolge Ernest, Inc. (Saw Mill)
- *Fir Tree Lumber Co. (Saw & Planing Mills)
- *Harty Geo. M. Lbr. Co.
- *Isley Lumber Co. (Saw & Planing Mills)
- Leybold-Smith Shingle Co.
- *Lindstrom-Handforth Lumber Co.
- *Manley-Moore Lumber Co.
- *Midland Lumber Co. (Saw & Planing Mills)
- *Mineral Lake Lumber Co. (Shingles, etc.)
- *Nebraska Bridge Supply & Lumber Co.
- §Newbegin Lumber Co. (Fir, Cedar, Spruce), Rust bldg
- *North End Lumber Co. (Saw & Planing Mills)
- Northern Coast Timber Co. (Red Cedar Posts & Piling)
- *Pacific National Lumber Co. (Shingles, etc)
- *Pacific States Lumber Co.
- Peterman Mfg. Co. (Saw & Planing Mills)
- *Puget Sound Lumber Co.
- ***St. Paul & Tacoma Lumber Co. (Lumber, Ship & Bridge Timbers, Shingles, Lath, Spars, Piling, etc)**
- *Savage Bros.
- *Scott & Howe.
- Ship Lumber Mill Co. (Saw & Planing Mills)
- *Western Fir Lumber Co. (Saw &
- ***Wheeler-Osgood Co. (Cedar & Fir Sash, Doors, etc)**
- ***Wheeler-Reese Lumber Co.**

TENINO—***Mutual Lumber Co. (Saw & Planing Mills)**
- *Skookum Lumber Co. (Saw Mill)

THREE LAKES—*Three Lakes Lumber Co. (Saw & Planing Mills)

TOLEDO—Badger & Badger.

UNDERWOOD—Climax Lumber Co. (Saw Mill)

UNION MILLS—*Union Lumber Co. (Saw & Planing Mills)

VALLEY—*Kulzer Jno. G.

VAN BUREN—Miller M. H. & Sons Mill Co. (Shingle Mill)

VANCOUVER—Du Bois Lumber Co.
- Ryan-Allen Lbr. Co.
- Vancouver Lumber Co. (Saw & Planing Mills)

VAN HORN—***Van Horn Shingle Co. (Shingle Mill)**

VASHON—Steen H. Mill Co. (Saw Mill)

WALLA WALLA—*Whitehouse-Crawford Co.

WALVILLE—*Walville Lumber Co.

WENATCHEE—*Wenatchee Lumber Co.

WHITE SALMON—Millsap & Dickey (Saw Mill)

WHITES—*White Star Lumber Co. (Saw & Planing Mills)

WICKERSHAM — *Wickersham Shingle Co.

WINLOCK—Black Diamond Lumber Co. (Saw Mill)
- ***O'Connell Lumber Co. (Wash'n Fir & Poles & Piling up to 100 ft. in length)**
- ***Veness J. A. Lumber Co. (Saw Mill)**

YELM—*Harstad Lumber Co. (Saw Mill)

WEST VIRGINIA.

ACCOVILLE—***Peytona Lumber Co. (Saw & Planing Mills)**

ALBRIGHT—Caflisch Lumber Co. (Saw & Planing Mills)

ALEXANDER—§Croft Lumber Co. (Saw & Planing Mills)

AVONDALE—*Ritter W. M. Lumber (Saw Mill)

BEMIS—*§Bemis J. M. & Son (Saw & Planing Mills)

BERWIND—*Berwind Lumber Co. (Saw **& Planing Mill)**

BLUEFIELD—*Georgia Lumber Co. (Saw & Planing Mill)

BLUE JAY—*Blue Jay Lumber Co. (Saw & Planing Mills)

BOYER—*North Fork Lumber Co. (Saw & Planing Mills)

BUCKHANNON — *Alton Lumber Co. (Hardwood)
- ***Stockert G. F. & Son**

CHARLESTON—*Charleston Lumber Co. (Saw & Planing Mill)
- ***Courtney Co. (Poplar & Oak Lumber, R. R. Ties, Bill Stuff Light Cooperage Stock)**
- **Steinbeck L. O. Lumber Co. (Saw Mill)**
- ***West Virginia Timber Co.**
- **Wilderness Lumber Co.**
- **Yellow Pine Lumber Co.**

CHELYAN—*Porter Lumber Co. (Saw & Planing Mills)

CLARKSBURG—Pardee & Curtin Lumber Co. (Saw Mill & West Virginia Hardwoods)

CLOTHIER—Boone Timber Co. (Saw & Planing Mills)

CLOVERLICK—*Wise F. S. & Sons (Saw Mill)

COWEN—Smoot Lumber Co. (Saw Mill)

CURTIN—Pardee & Curtin Lumber Co. (Saw & Planing Mills)

DEER CREEK—Range Lumber Co. (Saw & Planing Mills)

DINGESS—Hutchinson Lumber Co. (Saw Mill)

DOBBIN—*Parsons Pulp & Lbr. Co. (Saw & Planing Mills)

ELKINS—Brown M. M. & D. D. (Saw Mill)
- ***§Hardman Lbr. Co. (Saw Mill)**
- ***§Keystone Mfg. Co. (Saw & Planing Mills)**
- **Wildell Lumber Co.**

ELLAMORE—Moorse-Keppel Co. (Saw Mill)

ERWIN—*Glade Lbr. Co. (Saw Mill)

EVENWOOD — *Raine-Andrews Lumber Co. (Saw & Planing Mills)

FITZPATRICK—***Raleigh Lumber Co.** (Saw & Planing Mills)

GARDNER—*Bluestone Land & Lumber Co. (Saw & Planing Mills)

GAULEY MILLS—Cherry River Boom & Lumber Co. (Saw & Planing Mills)

HACKER VALLEY—*Mayton Lumber Co. (Saw & Planing Mills)

HERNDON—§*Guyan Lumber Co. (Saw & Planing Mills)

HOLCOMB—Cherry River Boom Lumber Co. (Saw Mill)

HONEY DEW—*Raine Lumber Co. (Saw Mill)

HORTON—*Parsons Pulp & Lbr. Co. (Saw & Planing Mills)

HUNTINGTON—Callaway C. M. Lumber Co.
- **§Dickerson Lumber Co.**
- ***Hamill R. H. Co. (Hardwood), R. & P. bldg**
- Hutchinson Lumber Co. (Saw Mill)
- Minter Homes Corp., 300 3rd av
- Peytona Lbr. Co.
- Ritter Burns Lbr. Co.
- Sliger Bros. (Saw Mill)

JENNINGSTON—***Laurel River Lumber Co. (Spruce, Hemlock & Hardwoods)**

KERMIT—*Hewit D. E. Lumber Co. (Saw & Planing Mills)

LOCUST—*Spice Run Lumber Co. (Saw Mill)

McKENDALL—Steinbeck L. O. Lumber Co. (Saw Mill)

MABEN—*Ritter W. M. Lumber Co. (Saw & Planing Mills)

MIDDLE FORK—*Clay Lumber Co. (Saw Mill)

MILL CREEK—§Lutz D. E.)Saw Mill)
- §Wilson Lumber Co. (Saw Mill)

MORGANTOWN—Athens Lumber Co.

NALLEN—*Wilderness Lbr. Co. (Saw Mill)

OMAR—Peytona Lbr. Co. (Saw & Planing Mills)

OXLEY—*Raleigh Lbr. Co. (Saw & Planing Mills)

PALMER—Imperial Lbr. Co., (Saw Mill)

PARKERSBURG—Citizens Lumber Co.
- *Jackson J. M., Lumber Co.
- Parkersburg Mill Co.

PARSONS—Parsons Pulp & Lbr. Co. (Saw **& Planing Mills)**

PICKENS—Ranwood Lbr. Co. (Saw Mill)

RAINELLE—Meadow River Lbr. Co. (Saw & Planing Mills)

RAYWOOD—*Warn Lumber Corp. (Saw & Planing Mills)

RICHWOOD—Cherry River Boom & Lumber Co.

ST. ALBANS—American Column & Lumber Co. (Yellow Pine, Poplar & Hardwoods)
- ***Bowman Lumber Co.**

STARK—*American Column & Lumber Co. (Saw & Planing Mills)

SWISS—Flynn Lumber Co. (Saw & Planing Mills)

TIOGA—*Birch Valley Lumber Co. (Saw & Planing Mills)

VAUGHAN—West Virginia Timber Co. (Saw & Planing Mills)

WAITEVILLE—Virginia Hardwood Lbr. Co. (Saw & Planing Mills)

WELCH—River Lumber Co.

WHEELING—§Wilson W. A. & Sons

WISCONSIN.

ANTIGO—***Faust Lumber Co. (Saw & Planing Mills)**
- *Langlade Lumber Co. (Saw & Planing Mills)
- §*Wolf River Lumber Co. (Saw & Planing Mills)

APPLETON—*Fountain J. Lumber Co. (Saw & Shingle Mill)
- §Jones G. W. Lumber Co. (Hardwood)

ASHLAND—Bell Lumber Co. (Shingle) Mill)
- *Schroeder John Lumber Co.
- §Scott-Taylor Co.

ATHENS—*Braun Bros. & Co. (Lumber & Staves)
- *Rietbrock Land & Lumber Co.

ATLANTA—Arpin Hardwood Lumber Co. (Northern Pine, Hemlock, Hardwoods & Cottonwood)

BAILEYS HARBOR — *Prueter Louis (Shingles)

BARABOO—Stewart & Alexander Lbr. Co.

BAYFIELD—Wachsmuth Lumber Co.

BELOIT—*Beloit Lumber Co.

BERLIN—Allen Lumber Co.
- *Wilbur Lumber Co.

BIG FALLS—*Walt Spalding Lumber Co. (Saw & Planing Mills)

BIRCHWOOD—*Ahnopee Veneer & Seating Co. (Saw & Planing Mills)

BIRNAMWOOD—Andrews B. B. (Saw Mill)

BLACKWELL—*Flanner-Steger Land & Lumber Co. (Saw & Planing Mills)

BLANCHARDVILLE — Blanchardville Lbr. Co.

BOWLER—Bowler Lumber Co.

BRILLION—Brillion Lumber Co.

BRUCE—*Beldenville Lumber Co. (Hardwood & Veneer)
- Namekagon Lbr. Co.

CABLE—Rogan Bros. (Saw Mill)

CARTER—*Miner Bros.

CEDERBURG—*Hilgen Mfg. Co. (Builders' Mill Work)

CHILTON—*Dorschel, Kroehnke, Lbr. Co.

COLEMAN—*Bolles E. E. & Co.

CRANDON—Carpenter Bros. (Saw Mill)
- §Keith & Hiles Lumber Co.

CUMBERLAND—*Beaver Dam Lumber Co.

DANCY—Altenberg George H. Lumber Co., (Saw Mill)

DRUMMOND—*Rust-Owen Lumber Co. (Cork, White Pine, Pattern, Box Materials, Beveled Siding & Factory Stock)

DUNBAR—*Girard Lumber Co. (Lumber, Lath, Shingles, Piling, Posts, Ties, etc.

EAU CLAIRE—*Kaiser Jno. H., Lbr. Co. (Lumber, Lath & Shooks)

•New Delis Lumber Co. (Saw & Planing Mills)
•Northwestern Lumber Co. (White Pine & Basswood)
Stevens & Jarvis Lumber Co.
EDGAR—Ringle & Schill (Saw & Planing Mills)
EDGERTON—§Heddles Lumber Co.
ELCHO—Fish Chas. W. Lumber Co.
ELKHORN—•Elkhorn Lumber Co.
ELLSWORTH—Hines Frank, Jr., (Saw Mill)
ELMHURST—•Wunderlich George H.
ELTON—Crocker Chair Co.
FAIRCHILD—•Foster N. C. Lumber Co.
FIFIELD—§Patterson Bros. (Saw & Planing Mills)
FOND DU LAC—•Moore & Galloway Lumber Co.
FORT ATKINSON — •Zeugner - Hoffman Lumber Co.
GAGEN—Gagen Lumber & Cedar Co.
GOODMAN—Goodman Lumber Co. (Pine, Hemlock, Hardwood, etc)
GRAND RAPIDS—•Arpin Hardwood Lbr. Co. (Plain & Red Birch, Pine & Hemlock, Basswood, Siding, Ceiling & Hardwood Flooring)
§Arpin John Lumber Co.
•Badger Box & Lumber Co. (Resawed Lumber)
•Ellis E. W. Lumber Co. (Saw & Planing Mills)
§Kellogg Bros. Lumber Co.
•Pigeon River Lumber Co.
GREEN BAY—•Cleerman Land & Lumber Co.
•Diamond Lumber Co.
•Green Bay Planing Mill Co.
•§Tipler Grossman Lumber Co. (Saw Mill)
Valentine-Clark Co. (Cedar Posts, etc.)
•White Lake Lumber Co.
GRESHAM—Aderman Wm.
Morgan O. E. ((Saw Mill)
HARTFORD—•Denison & Coerper
Hatley-Knoke O. C.
HATLEY—Knoke O. E.
HAWKINS—•Ellingson Lumber Co.
HAYWARD—Willow River Lumbe Co. Saw & Planing Mills)
HILES—•Forster-Mueller Lumber Co. (Saw & Planing Mills)
HILLSBORO—Hillsboro Hardwood Lbr. Co.
HORTONVILLE—Diestler Co. (Saw & Planing Mill)
HUDSON—•Central Lumber Co.
INDEPENDENCE — •Sprecher Lumber Co.
IOLA—Wipf J. & Co.
JANESVILLE—•Thoroughgood & Co. (Cigar Box Lumber)
JEFFRIS—•Larson Lumber Co. (Saw & Planing Mills)
KEWAUNEE—•Duvall Co.
KIEL—•Luan J. B.
KIMBALL—•Kimball-Clark Co. (Hemlock & Hardwood Lumber, White Cedar Shingles, Basswood & Hemlock Lath)
LA CROSSE—§Colman C. L. Lumber Co. (Lumber, Shingles & Saw Mills)
•Segelke & Kohlhaus Mfg. Co. (Sash, Doors & Mill Work)
LAC DE FLAMBEAU—•Flambeau Lumber Co.
LADYSMITH—Flambeau River Lbr. Co.
•§Fountain-Campbell Lumber Co. (Saw & Planing Mills)
LAFARGE—•Lafarge Lumber Co.
LAONA—Connor Lumber & Land Co. (Saw & Planing Mills)
LOYAL—Christman B. (Saw Mill)
Graves A. A. (Saw Mill)
LUGERVILLE—•West Lumber Co. (Saw & Planing Mills)
McMILLAN—•McMillan B. F. & Bro. (Hemlock, Pine & Hardwood)
MADISON—•Brittingham & Hixon Lumber Co.
Heddles Lbr. Co.
MARCH—•Doud Sons & Co. (Saw & Planing Mills)
MARINETTE—§Bissell Lumber Co. (Saw & Planing Mills)
Ludington N. Co. (White & Norway Pine, Lath & Shingles & Saw Mill)
Sawyer Goodman Co. (White Pine, Basswood, Hard & Soft Maple, Birch, Rock & Soft Elm Lath, Shingles & Hemlock)
MARSHFIELD—Connor R. Co.
Krause & Stone (Hardwood & Cottonwood)
•Raddis Lumber & Veener Co. (Saw & Planing Mills)
MATTOON—•White Star Lumber Co. (Hemlock & Cedar), Office: Chicago, Ill.
MEDFORD—•§Medford Lumber Co. (Saw & Planing Mills)
MELLEN—•Foster-Latimer Lumber Co. (Saw & Planing Mill)
Mellen Cedar Co. (Saw Mill)
•Mellen Lumber Co.
MENASHA—•Menasha Woodenware Co. (Saw Mill)
MENOMONIE—§Carter Frank Co. (Saw Mill)
MERRILL—•Anson, Gilkey & Hurd Co. (Lumber, Lath, Shingles & Box Shooks)
•Heineman Lumber Co. (Saw & Planing Mills)
Oilhoff F. W. (Saw Mill)
•Stange A. H. (Saw & Planing Mills)
MILWAUKEE—Devere & Schloegel Lumber Co., 606 Park
Forster Lbr. Co., 428 E Water
Hilty M. Lumber Co., ft 12th
Johnson Lumber Co. (White Pine, Pattern, Templet & Flask Stock), 439 E. Water
§Landeck Lumber Co. (Hardwoods, Basewood, etc.), 227 Wells
•Rietbrock Land & Lbr. Co., 700 Cedar
•Schroeder John Lumber Co., ft of Walnut
§Steinman Lumber Co. (Lumber, Lath & Shingles), 385 35th
§Tegge Lumber Co., (Hardwood), 700 Park.
•Wilbur Lumber Co., Pabst bldg
MORRIS—Buckstaff-Sprague Lumber Co.
NEGAUNEE—Cleveland Cliffs Iron Co
NEW GLARUS—•New Glarus Lumber Co.
NEW LONDON—•Hatten Lumber Co. (Hardwood)
NORWALK—Walz Geo. A. (Saw Mill)
OCONTO—•Holt Lumber Co. (Saw Mill)
Oconto Co. (Saw & Planing Mills)
•Oconto Lumber Co. (Hemlock)
OGEMA—•Ogema Lumber Co. (Saw & Planing Mills)
Victor Sebelik & Sons (Saw Mill)
OSHKOSH—•Campbell W. J. Lumber Co., Ltd. (Saw Mill)
Central Lumber Co.
Foster-Lothman Mills (Saw & Planing Mills)
Fuller-Goodman Co.
•Gould Mfg. Co. (Wholesale Mfrs. of Mill Works)
•Hollister Amos & Co. (Saw Mills)
•Kimball Clark Co.
•McMillen R. Co. (Wholesale Mfrs. of Mill Work)
•Morgan Co. (White Pine, Idaho Pine, Basswood, Ash, Elm, Maple, Oak, Hemlock, etc. Shingles, White & Red Cedar & Pine)
•Morgan Lumber & Cedar Co. (White Pine, Idaho Pine, Ash, Basswood, Elm, Maple, Oak, Hemlock, etc, Shingles, White & Red Cedar & Pine)
Northern Hemlock & Hardwood Mfrs. Assn. ("Old Faithful" Hemlock, Maple, "Beautiful" Birch, Basswood, Elm & Ash)
•Paine Lumber Co. (Ltd.) (Saw Mill & Wholesale Mfrs. of Mill Work)
•Radford & Wright Co. (Wholesale Mfrs. of Mill Work)
§Wagstaff W. J.
•Wail-Spalding Lumber Co. (Wisconsin Hardwoods, Basswood, Hemlock & Cedar Shingles, etc)
Winnecone Lbr. Co.
OWEN—•Owen John S. Lumber Co. (Saw & Hardwood)
PARK FALLS—Blackwell-Kaiser Lumber Co. (Saw & Planing Mills)
•Park Falls Lumber Co.
Roddi's Lumber & Veneer Co. (Saw & Planing Mills)
Winenbago Realty Co. (Shingle Mill)
PARRISH—•Brown Land & Lbr. Co. (Saw & Planing Mills)
PELLA—•Grosskopf Fred. A (Saw Mill)
PESHTIGO—•Constine Carl & Son (Lumber & Cedar)
•Peshtigo Lumber Co. (Saw Mill)
PHELPS — •Hackley-Phelps-Bonnell Co. (Saw & Planing Mills)
PHILLIPS — Kneeland-McClurg Lumber Co. (Hemlock, Hardwood & Cottonwood)
PLATTEVILLE—•Eastman Lumber Co.
POLLEY—•Nye Lusk & Hudson (Saw Mill)
POLONIA—Bentley A. P. (Saw & Planing Mills)
RHINELANDER—•Brown Bros. Lumber Co. (Hardwood, Pine & Hemlock Boxing & Crating Lumber)
§•Brown Land & Lumber Co. (Saw & Planing Mills)
•Collins C. C. Lumber Co. (Saw & Planing Mills)
•Crosby C. P. (Ash, Birch, Elm, Hard Maple, Basswood, Oak, Beech, etc)
•Danielson & Pierce (Birch & Basswood)
Lee Bros. (Saw Mill)
•Mason-Donaldson Lumber Co. (Hemlock & Hardwoods)
O'Melia J. H. Lumber Co. (Northern Pine, Spruce, Hemlock, Hardwoods & Shingles)
§Pierce A. S. (White Pine)
•Rhinelander Box & Lumber Co. (Saw and Planing Mills)
•Robbins Lumber Co. (Pine, Lumber, Lath & Shingles)
Stevens Lumber Co. (Saw Mill)
•Wisconsin Veneer Co.
RIB FALLS—•Baeseman G. H. Mfg. Co.
Wausau Lumber Co.
RIB LAKE—Rib Lake Lumber Co.
RICE LAKE — •Rice Lake Lumber Co. (Lumber Mfrs., Pine, Hemlock & Hardwood, Crating & Box Lumber)
RICHLAND CENTER—•Krouskop A. H. (Hardwood Lumber, Basswood, etc)
SAXON—Montreal River Lumber Co. (Saw & Planing Mills)
SCHOFIELD—§•Brooks & Ross Lumber Co. (Pine, Hemlock, Hardwood & Lath, Shingles, Pickets, etc)
SEYMOUR—Miller & Piehl (Saw Mill)
SHAWANO—•Shawano Lumber Co. (Saw Mill)
SHEBOYGAN—Freyberg C. B. Lumber Co. (Lumber & Shingle Mills, etc.)
•Wisconsin Timber & Land Co.
SOLDIERS' GROVE—Peterson A. (Saw & Planing Mill)
SOPERTON — •Menominee Bay Shore Lumber Co. (Saw & Planing Mills)
STANLEY—•Northwestern Lumber Co. (Birch Mouldings, Flooring & Interior Finish, Dry Hemlock Lumber)
STEVENS POINT—•Mitchell Wm. W. (Saw Mill)
•Stevens Point Box & Lbr. Co. (Fox Shooks)
•Week John, Lumber Co.
STILES—•Eldred Anson Co.
STRATFORD—•Connor R. Co.
STURGEON BAY—•Washburn, N. S. Lumber Co.
SUPERIOR—•Rogers-Ruger Lumber Co.
•Superior Box Co. (Saw & Planing Mills)
SURING—Wagner Mercantile & Mfg. Co. (Saw Mill)
TAVERA—Ellsworth M. D. & Co. (Sawmill)
THORP—Boardman E. A. & Sons (Saw Mill)
Bobb Peter E. & Co. (Saw Mill)
§Nye Lusk & Hudson Co. (Pine & Hardwood)
TIGERTON—Badger Lumber Co. (Sawmill)
•Tigerton Lumber Co. (Pine, Hemlock & Hardwood Lumber)
TOMAHAWK—•Bradley Co. ((Lumber, Lath)
•Mohr Lumber Co. (Saw & Planing Mills)
•Oelhafen John Co. (Saw & Planing Mills)
TONY—Hein John Co. (Saw Mill)
TRIPOLI—•Stolle Lumber & Veneer Co. (Saw & Planing Mills)
WABENO—Jones G. W. Lumber Co. (Saw Mill)
WASHBURN — • Kenfield-Lamoreaux Co (Crating Lbr.)
WAUSAU—•Curtis & Yale Co. (Hardwood Flooring, Basswood, Ceiling & Siding, Pine Dimensions, Shingles, etc.)
•Fenwood Lumber Co.
Gill-Andrews Lumber Co.
§Goodwillie Bros. (Resawed Lumber)
•Hale Mylrea Co.
Heineman B. L Lumber Co. (Saw & Planing Mills)
Lake Shore Lumber Co. (Saw & Planing Mills)
•Marathan Lbr. Co. (Yellow Pine)
•Mortenson Jacob Lumber Co. (White & Norway)
•Stewart Alex. Lumber Co. (Lumber, Lath & Shingles)
•Thompson & Fleith Lumber Co.
•Wausau Box & Lumber Co. (Lumber & Box Shooks)
•Wausau Lumber Co. (Saw & Planing Mills)
Wausau Southern Lbr. Co. (Southern Yellow Pine, Cypress)
Wheeler-Timlin Lbr. Co. (Hardwood, Hemlock, Pine Boxing & Crating)
•Wisconsin Box Co. (Pine & Basswood Lbr. & Box Shooks)
•Wisconsin & Arkansas Lumber Co.
•Yawkey Bissell Lumber Co.
WHITE LAKE—•Yawkey-Bissell Lumber Co. (Saw & Planing Mills)
WINCHESTER—•Turtle Lake Lumber Co. (Saw & Planing Mills)
WINEGAR—•Vilas County Lumber Co. (Saw & Planing Mills)
WINNECONNE — •Winneconne Lumber Co.

WYOMING.

HANNA—Wyoming Timber Co. (Saw & Planing Mills)

7648a—Lumber (Aeroplane)

Acme Lumber & Shingle Co., 20 W Jackson blvd, Chicago, Ill.
Alcock John L. & Co., Munsey bldg, Baltimore, Md.
BRUNER OWEN M. CO., 4th & Chestnut, Phila., Pa. *See adv index at end of book*
Delatour A. J., 170 Cherry, New York
Dutton A. C., Lumber Corp., Springfield, Mass.
Mengel C. C. & Bros. Co., Louisville, Ky.
New Jersey Veneer Co., Paterson, N. J.
Ross Warren Lumber Co., Jamestown, N.Y.
Serfas Lumber Co., Drake bldg, Easton, Pa.
Sheip & Vandegrift, 814 W Lawrence, Phila., Pa.
West Virginia Lumber Co., First National Bank bldg, Pittsburgh, Pa.

7649— Lumber (Artificial)

LINK BELT COMPANY, 300 W 39th, Chicago, Ill. *See adv index at end of book*

7650— Lumber (Ash)

Boyd-Sinclaire Co. (Dirs.), 30 Church, New York
Brown Bros. Co., 11 B'way, New York
Exchange Sawmill & Sales Co., R. A. Long bldg, Kansas City, Mo.
Gideon Anderson Co., Main & Angelica
Hafner Mfg. Co., ft. of Dock, St. Louis, Mo.
Johnson Lumber Co., 441 E Water, Milwaukee, Wis.
Northern Hemlock & Hardwood Mfrs. Assn., Oshkosh, Wis.
Ross Warren Lumber Co., Jamestown, N. Y.
Valley Planing Mill Co., Hot Springs, Ark.
Van Platen Lumber Co., Iron Mountain, Mich.

7651— Lumber (Basswood)

Black Robt. & Co., Bay City, Mich.
Doud Sons & Co., Winona, Minn.
Dwight Lumber Co., River Rouge, Detroit, Mich.
Elias G. & Bro., 965 Elk, Buffalo, N. Y.
Grand Rapids Veneer Works, Grand Rapids, Mich.
Goodwillie Bros., 10 La Salle, Chicago, Ill.
Johnson Lumber Co. (Wholesale), 441 E Water, Milwaukee, Wis.
Jones Hardwood Co. (Birch, Beech & Maple), 10 High, Boston, Mass.
Landeck Lumber Co., 227 Wells, Milwaukee, Wis.
Northern Hemlock & Hardwood Mfrs. Assn., Oshkosh, Wis.
Ross Warren Lumber Co., Jamestown, N. Y.
Van Platen Lumber Co., Iron Mountain, Mich.

7651a—Lumber (Boxing & Crating)

Big Bay Lumber Co., 2309 Loomis, Chicago, Ill.
Boeckeler Lumber Co., 3550 N Hall, St. Louis, Mo.
Chase & Co., Sanford, Fla.
Chicago Box & Crating Co., 10 S. La Salle, Chicago, Ill.
Consolidated Saw Mills Co., Arcade bldg, St. Louis, Mo.
Cromble Wm. M. & Co., Inc., 101 Park av, New York
Foss E. B. & Co., Bay City, Mich.
Foye W. J. Lumber Co., Omaha, Nebr.
Hill-Behan Lumber Co., 6600 Page av, St. Louis, Mo.
Johnson Lumber Co., 441 E Water, Milwaukee, Wis.
Kreetan Co., North Tonawanda, N. Y.
Milne A. M. Lumber Co., Inc., Grand Central Terminal, New York
National Lumber & Timber Co., 5601 Elston av, Chicago, Ill.
Pacific Lumber & Shingle Co., Crary bldg, Seattle, Wash.
Pickering W. R. Lumber Co., Kansas City, Mo.
Spaulding Chas. K., Logging Co., N. W. Bank bldg, Portland, Oreg.
Sullivan Lumber Co., N. W. Bank bldg, Portland, Oreg.
Thomas & Proetz Lumber Co., 3404 N Hall, St. Louis, Mo.
Vancouver Lumber Co., Ltd., 343 S Dearborn, Chicago, Ill.
Wheeler-Timlin Lumber Co., Wausau, Wis.

7651b— Lumber (Cedar)

Chapman Lumber Co. (Red & Port Orford), Title & Trust bldg, Portland, Ore.
Clifton Lbr. & Improvement Co., Clifton, Ariz.
Cochise Lbr. Co., Bisbee, Ariz.
Collins John D. Lumber Co., White bldg, Seattle, Wash.
Dieckmann Hardwood Lbr, Co., Beach & Taylor, San Francisco, Cal.
Estes Lbr. Co., Birmingham, Ala.
Grays Harbor Comm'l Co., ft of 3d, San Francisco, Cal.
Hilgard Lbr. Co., Selma, Ala.
Kilmoth Products Corp. ("Kilmoth" Aromatic Red), 50 Union sq, New York
Pacific Export Lumber Co., Porter bldg, Portland, Ore.
MacArthur & Kauffman, 461 Market, San Francisco, Cal.
Mackintosh Truman Lumber Co., Henry bldg, Seattle, Wash.
Mershon Eddy Parker Co., Saginaw, Mich.
Newbegin Lumber Co., Rust bldg, Tacoma, Wash.
Sullivan Lumber Co., N W Bank bldg, Portland, Ore.
Tatem Lumber Co., Henry bldg, Seattle, Wash.
Thompson-Wells Lbr. Co., Menominee, Mich.
Waterman F. W. Co., Symons bldg, Spokane, Wash.

7651c—Lumber (Cigar Box)

Paducah Lumber & Mfg. Co., Paducah, Ky.
Sheboygan Cigar Box, Lumber & Mfg. Co., Sheboygan, Wis.

7652— Lumber (Cypress)

Abeles C. T. & Co., Little Rock, Ark.
Alderman D. W. & Sons Co., Alcolu, S. C.
Anderson Lbr. Corp., Marion, S. C.
Alexander City Mfg. Co., Alexander City, Ala.
Antrim Lbr. Co., Arcade bldg, St. Louis, Mo.
Arkansas & Indiana Lbr. Co., Clarksville, Ark.
Ascension Red Cypress Co. (Ltd.) (Red), New Orleans, La.
Baker-Matthews Lumber Co., Bank of Comm. bldg, Memphis, Tenn.
Baker-Wakefield Cypress Co., Plattenville, La.
Barker-Bond Lumber Co., Inc., 405 Lexington av, New York
Basic Mfg. Co., Wilmington, Del.
Benton County Lbr. Co., Bentonville, Ark.
Big Salkehatchie Cypress Co., Varnville, S. C.
Bingham George H. (Dirs), Dunmore, Pa.
Birmingham Sash & Door Co., Birmingham, Ala.
Black River Cypress Co., Gable, S. C.
Boeckeler Lumber Co., Hall & Mallincrodt, St. Louis, Mo.
Boll, E. R. Lbr. Co., Hot Springs, Ark.
Bowie Lumber Co. (Ltd.), Bowie, La.
Boyd-Sinclaire Co. (Dirs.), 30 Church, New York
Brownell-Drews Lumber Co. (Ltd.), Morgan City, La.
BRUNER OWEN M. CO., 4th & Chestnut, Phila., Pa. *See adv index at end of book*
Burgan Lumber Co., American bldg, Baltimore, Md.
Burton-Swartz Cypress Co. of Florida, Perry, Fla.
Butters Lumber Co., Boardman, N. C.
Carrier Lumber & Mfg. Co., Sardis, Miss.
Carter-Kelley Lumber Co., Manning, Tex.
Coale Thos. E. Lumber Co., 26th & Susquehanna, Phila., Pa.
Cochran Foster Lbr. Co., North Little Rock, Ark.
Cotten Bros. Cypress Co. (Ltd.), Morgan City, La.
Crampton Lbr. Co., Montgomery, Ala.
Cummer Cypress Co., Jacksonville, Fla.
Cummer Lbr. Co., Jacksonville, Fla.
Darling J. W. Lbr. Co., 819 Gwynne bldg, Cincinnati, Ohio
Dibert, Stark & Brown Cypress Co. (Ltd.), Donner, La.
Dierks Lumber & Coal Co., Gates bldg, Kansas City, Mo.
Downman R. H., Poydras bldg, New Orleans, La.
Edge-Dowling Lbr. Co., Groveland, Fla.
Estes Lbr. Co., Birmingham, Ala.
Everglade Cypress Co., Loughman, Fla.
Exchange Sawmill & Sales Co., R. A. Long bldg, Kansas City, Mo.
Forest Lumber Co., R. A. Long bldg, Kansas City, Mo.
Garbutt A. G. Lbr. Co., Statenville, Ga.
Gates Lumber Co., Wilmar, Ark.
Gayoso Lbr., Dept. H, Memphis, Tenn.
Germain Co., Farmers Bank bldg, Pittsburgh, Pa.
Gress Mfg. Co., Jacksonville, Fla.
Hafner Mfg. Co., ft. of Dock, St. Louis, Mo.
Hallowell & Souder (Jobbers), Harrison bldg, Phila., Pa.
Hanby, A. L., Berryville, Ark.
Hanson Albert Lumber Co. (Ltd.), Garden City, La.
Henry Lbr. Co., Anniston, Ala.
Himmelberger-Harrison Lumber Co., Dept H, Cape Giradeau, Mo.
Houma Cypress Co., Houma, La.
Houston Bros., Vicksburg, Miss.
Jeanerette Lumber & Shingle Co. (Ltd.), Jeanerette, La.
Johnson Lumber Co., 441 E Water, Milwaukee, Wis.
Juniper Lumber Co., Inc., Ivanhoe, N. C.
Kyle Lumber Co. (Ltd.), Franklin, La.
Lampson Lbr. Co., 167 Water, New Haven, Conn.
Lear W. H., 830 E Girard, Philadelphia, Pa.
Louisiana Cypress Lumber Co. (Ltd.) (Red), Harvey, La.
Luehrmann C. F. Hardwood Lumber Co., 150 Carroll, St. Louis, Mo.
Lutcher & Moore Cypress Lumber Co., (Ltd.), Lutcher, La.
Lynch H. C., Anniston, Ala.
Lyon Cypress Lumber Co. (Red Cypress), 208 S La Salle, Chicago, Ill.
Mechanics Lumber Co., Fort Smith, Ark.
Mobile Sash & Door Co., Mobile, Ala.
Morley Cypress Co., Morley, La.
Napoleon Cypress Co. (Ltd.), Napoleonville, La.
Opdenweyer-Alcus Cypress Co., Sorrento, La.
Osceola Cypress Co., Bridge End, Fla.
Penn. Lbr. Co., Otis bldg, Philadelphia, Pa.
Planters' Lumber Co. (Ltd.), Jeanerette, La.
Poitevent & Faure Lumber Co., L. & L. & G. bldg, New Orleans, La.
Prime Lbr. Co., York, Ala.
Putnam Lbr. Co., Jacksonville, Fla.
Ross Warren Lumber Co., Jamestown, N.Y.
Ruddock-Orleans Cypress Co., New Orleans, La.
St. Bernard Cypress Co. (Ltd.), Arabi, La.
Salmen Brick & Lumber Co., Ltd., 3901 Carrollton, New Orleans, La.
Savannah River Lumber Co., Savannah, Ga.
Scheve J. L. Lbr. Co., Dept. H, Hall & St. Louis av, St. Louis, Mo.
Schwing Lumber & Shingle Co. (Ltd.), Plaquemine, La.
Seidel Julius Lumber Mfg. Co. (Cypress), 2200 S Kingshighway, St. Louis, Mo.
Selden Cypress Door Co., Palatka, Fla.
Serfas Lumber Co., Drake bldg, Easton, Pa.
Smith A. B. Lumber Co., Paducah, Ky.
Spangler Frank & Co., Kosciuko, Miss.
Standard Lbr. Co., Live Oak, Fla.
Stanley, J. P., Fort Payne, Ala.
STEARNS A. T. LUMBER CO., 100 Taylor, Boston, Mass. *See adv index at end of book*
Steel Planing Mill Co., Eutaw, Ala.
Stevens-Daly Lbr. Co., Tuscaloosa, Ala.
Turner F. C. & Co., Mobile, Ala.
Union Cypress Co., Hopkins, Fla.
Valley Planing Mill Co., Hot Springs, Ark.
Warren Ross Lumber Co., Jamestown, N. Y.
Wausau Southern Lumber Co., Wausau, Wis.
Wels-Patterson Lumber Co., Inc., Pensacola, Fla.
West Virginia Lumber Co., First National Bank bldg., Pittsburgh, Pa.
Wilbert's A. Sons Lumber & Shingle Co., Plaquemine, La.
Williams F. B. Cypress Co. (Ltd.), Patterson, La.
Williams Lbr. Co., Ponchatoula, La.
Wilson Cypress Co., Palatka, Fla.
Wilson & Cochran, Lottie, La.

7653— Lumber (Elm)

Boyd-Sinclaire Co. (Dirs.), 30 Church, New York
Gideon Anderson Co., Main & Angelica, St. Louis, Mo.
Johnson Lumber Co., 441 E Water, Milwaukee, Wis.
Northern Hemlock & Hardwood Mfrs. Assn., Oshbosk, Wis.
Ross Warren Lumber Co., Jamestown, N. Y.
Van Platen Lumber Co., Iron Mountain, Mich.

7653a— Lumber (Fir)

McCormick Chas. R. & Co., 215 Market, San Francisco, Cal.
See adv index at end of book

Douglas Fir Lumber
Ties, Poles, Posts and Piling
Creosoted Materials
Chas. R. McCormick & Co.
215 Market St., San Francisco, Cal.; Lane Mortgage Bldg., Los Angeles, Cal.; Foot of 24th St., San Diego, Cal.; Yeon Bldg., Portland, Oregon; 17 Battery Place, New York, N. Y.

7654— Lumber (Gum)

Abeles C. L. & Son, Little Rock, Ark.
Alexander City Mfg. Co., Alexander City, Ala.
Anderson-Tully Co. (Red), Memphis, Tenn.
Arkansas & Indiana Lbr. Co., Clarksville, Ark.
Askins & Dircks Lumber Co., Union City, Tenn.
Basic Mfg. Co., Wilmington, Del.
Bayou Land & Lumber Co. (Red), 301 Neave bldg, Cincinnati, O.
Benton County Lbr. Co., Bentonville, Ark.
Boeckeler Lumber Co., Hall & Mallincrodt, St. Louis, Mo.
Boll E. R. Lbr. Co., Hot Springs, Ark.
Bonner J. H. & Sons (Red), Heth, Ark.
Boyd-Sinclaire Co. (Dirs.), 30 Church, New York
Brown Geo. C. & Co. (Red), Commercial Bank bldg
BRUNER OWEN M. CO. (Mfrs. & Whol.), 4th & Chestnut, Phila., Pa.
See adv index at end of book
Buffalo Hardwood Lumber Co., 940 Seneca, Buffalo, N. Y.
Carrier Lumber & Mfg. Co. (Red Gum, etc.), Sardis, Miss.
Cincinnati Cigar Box Co. (Gum Lumber Veneered), 2nd & John, Cincinnati, O.
Cleveland Lumber & Mfg. Co., Cleveland, Tenn.
Cochran Foster Lbr. Co., North Little Rock, Ark.
Darling J. W. Lumber Co., 819 Gwynne bldg Cincinnati, Ohio
Dickson J. W. Co., Lumber Exchange bldg, Memphis, Tenn.
Elias G. & Bro., 965 Elk, Buffalo, N. Y.
Exchange Sawmill & Sales Co., R. A. Long bldg, Kansas City, Mo.
Farrin M. B. Lumber Co., Station av & Winton pl, Cincinnati, O.
Faust Bros. Lumber Co. (Red), Jackson, Miss.
Frost-Johnson Lumber Co., Huttig, Ark.
Gayoso Lbr., Dept. H, Memphis, Tenn.
Himmelberger-Harrison Lumber Co. (Red Gum), Morehouse, Mo.
Hub Mfg. Co., Jonesboro, Ark.
Johnson Lumber Co., 441 E Water, Milwaukee, Wis.
Jones G. W. Lumber Co., Appleton, Wis.
Lamb-Fish Lumber Co., Charleston, Miss.
McLean Hugh Lumber Co., Buffalo, N. Y.
Mechanics Lbr. Co., Fort Smith, Ark.
Miller Lumber Co., 393 Eagle, Buffalo, N. Y.

Mobile Sash & Door Co., Mobile, Ala.
National Cooperage & Woodenware Co., Peoria, Ill.
O'Reilly Lumber Co., 1937½ N Broadway, St. Louis, Mo.
Paepcke Leicht Lumber Co., 111 W Washington, Chicago, Ill.
Powe Thos. E. Lumber Co., 24 Branch, St. Louis, Mo.
Quellmalz Hy Lbr. & Mfg. Co. (Red), 3500 S 1st, St. Louis, Mo.
Richmond Cedar Works, Fulton, Richmond, Va.
Ross Warren Lumber Co., Jamestown, N. Y.
Serfas Lumber Co., Drake bldg, Easton, Pa.
Smith-Carothers Lumber Co., Memphis, Tenn.
Spangler Frank & Co., Kosciusko, Miss.
Standard Hardwood Lumber Co., 1336 Clinton, Buffalo, N. Y.
Stevens-Daly Lbr. Co., Tuscaloosa, Ala.
Stone Lumber Co., 9 E. 3rd st, Cincinnati, O.
Taylor & Crate, 2101 Elmwood av, Buffalo, N. Y.
Thomas & Proetz Lumber Co., Hall & Angelrodt, St. Louis, Mo.
Utley-Holloway Saw Mill Co., Inc., Clayton, La.
Werner Louis Saw Mill Co., Fullerton bldg, St. Louis, Mo.
West Virginia Lumber Co., First National Bank bldg, Pittsburgh, Pa.
Wheeler J. W. & Co. (Red), Memphis, Tenn.
Yeager Lumber Co., 932 Elk, Buffalo, N. Y.

7654a— Lumber (Hickory)

Boyd-Sinclaire Co., (Dirs.), 30 Church, New York
Brown Bros. Co., 11 B'way, New York
Gideon Anderson Co., Main & Angelica, St. Louis, Mo.
Wood Mosaic Co., Highland Park, Louisville, Ky.

7654b— Lumber (Kyanized)

Allen, Otis & Son Co., Lowell, Mass.
Brown Co., Portland, Me.

7655— Lumber (Mahogany)

Arkansas & Indiana Lbr. Co., Clarksville, Ark.
Basic Mfg. Co., Wilmington, Del.
Butts Lbr. Co., Phoenix, Ala.
Dieckmann Hardwood Lbr. Co., Beach & Taylor, San Francisco, Cal.
Hawes, Willard & Co., Lewis & 7th, New York
Insular Lumber Co., 8 W 40th, New York
Palmer & Parker Co., 103 Medford, Boston, Mass.
Powe Thos. E. Lumber Co., 24 Branch, St. Louis, Mo.
Ross Warren Lumber Co., Jamestown, N. Y.
Saw Mill Products Co., 428 4th av, Pittsburgh, Pa.
Thompson Lewis & Co., 1227 Gtn, Philadelphia, Pa.

7655a— Lumber (Maple)

Boyd-Sinclaire Co., (Dirs.), 30 Church, New York
Cochise Lbr. Co., Bisbee, Ariz.
Gideon Anderson Co., Main & Angelica, St. Louis, Mo.
Johnson Lumber Co., 441 E Water, Milwaukee, Wis.
Northern Hemlock & Hardwood Mfrs. Assn., Oshkosh, Wis.
Ross Warren Lumber Co., Jamestown, N. Y.
Van Platen Lumber Co., Iron Mountain, Mich.

7655b— Lumber (Oak)

Abeles C. L., Little Rock, Ark.
Aexander City Mfg. Co., Alexander City, Ala.
Benton County Lbr. Co., Bentonville, Ark.
Bingham George H. (Dirs), Dunmore, Pa.
Birmingham Sash & Door Co., Birmingham, Ala.
Boeckeler Lumber Co., Hall & Mallincrodt., St. Louis, Mo.
Boll E. R. Lbr. Co., Hot Springs, Ark.
Boyd-Sinclaire Co., (Dirs.), 30 Church, New York
Brown Bros Co., 11 B'way, New York
Cochise Lbr. Co., Bisbee, Ariz.
Cochran Foster Lbr. Co., North Little Rock, Ark.
Dallas Lbr. & Mfg. Co., Selma, Ala.
Estes Lbr. Co., Birmingham, Ala.
Exchange Sawmill & Sales Co., R. A. Long bldg, Kansas City, Mo.
Gideon Anderson Co., Main & Angelica, St. Louis, Mo.
Hafner Mfg. Co., ft. of Dock, St. Louis, Mo.
Henry Lbr. Co., Anniston, Ala.
Hilgard Lbr. Co., Selma, Ala.
Johnson Lumber Co., 439 E Water, Milwaukee, Wis.
Lynch H. C., Anniston, Ala.
Mechanics Lbr. Co., Fort Smith, Ark.
Mobile Sash & Door Co., Mobile, Ala.
Parkersburg Mill Co., Parkersburg, W. Va.
Prime Lbr. Co., York, Ala.
Ross Warren Lumber Co., Jamestown, N. Y.
Southern Mfg. Co., Gadsden, Ala.
Stevens-Daly Lbr. Co., Tuscaloosa, Ala.
Turner F. C. & Co., Mobile, Ala.
Valley Planing Mill Co., Hot Springs, Ark.
Wallis J. V. & Co., Talladega, Ala.
Williams & Massey Lbr. Co., Vina, Ala.
Wood Mosaic Co., Highland Park, Louisville, Ky.

7656—Lumber (Pattern & Flask Stock)

Acme Lumber & Shingle Co., 20 W Jackson blvd, Chicago, Ill.
American Lumber & Mfg. Co. (Soft Cork, White Pine), Vandergrift bldg, Pittsburgh, Pa.
Boeckeler Lumber Co., Hall & Mallincrodt, St. Louis, Mo.
Bosken Lumber Co. (White Pine), Evans & Erie, Cincinnati, O.
BRUNER OWEN M. CO., 4th & Chestnut, Phila., Pa. *See adv index at end of book*
Coale Thomas E. Lumber Co. (Bone Dry Old Growth Michigan Soft Cork White Pine for Immediate Shipment, Water Cured Stock, also genuine Cal. Sugar Pine), 26th & Susquehanna, Phila., Pa.
Dock & Mill Co., 100 Main, N. Tonawanda, N. Y.
Fisher & Wilson Co. (Mich. Cork White Plain), Rockefeller bldg, Cleveland, O.
Foss E. B. (Dry Cork White Pine), Bay City, Mich.
Johnson Lumber Co., 441 E Water, Milwaukee, Wis.
Kiamensi Clay Co., Equitable bldg, Wilmington, Del.
Lansing Lumber Co., 824 N Main, Providence, R. I.
Martin-Barriss Co., 2043 W 3rd, Cleveland, O.
National Tank & Pipe Co., 170 Columbia blvd, Portland, Ore.
See adv index at end of book
Palmer Frederic S., Monadnock bldg, San Francisco, Cal.
Rust-Owen Lumber Co., Drummond, Wis.
SERFAS LUMBER CO., Drake bldg, Easton, Pa.
Sterner E. J. Co., 30 Church, New York.
Thompson Lewis & Co., 1227 Gtn., Philadelphia, Pa.
West Virginia Lumber Co. (Soft Cork White Pine), First National Bank bldg, Pittsburgh, Pa.
White Charles H. & Sons Co., (White Pine & California Red Wood), 18th & Indiana, Phila., Pa.

7656a— Lumber (Pine)

Abeles C. F. & Co., Little Rock, Ark.
Abeles & Taussig Lumber & Tie Co., Commercial bldg, St. Louis, Mo.
Alexander City Mfg. Co. (Long & Short Leaf), Alexander City, Ala.
Alger Sullivan Lbr. Co. (Yellow), Century, Fla.
Andalusia Mfg. Co. (Yellow), Andalusia, Ala.
Apache Lumber Co. (Arizona Soft), Cooley, Ariz.
Arkansas & Indiana Lbr. Co. (Long & Short Leaf), Clarksville, Ark.
Ark. Lbr. Co. (Yellow), Warren, Ark.
Atlantic Lumber Co. (N. C.), 19 Milk, Boston, Mass.
Beeler A. B. & Son (Yellow), Little Rock, Ark.
Benton County Lbr. Co. (Long & Short Leaf), Bentonville, Ark.
Bingham George H. (Yellow), Dunmore, Pa.
Birmingham Sash & Door (Short Leaf, White & Western), Birmingham, Ala.
Bodcow Lbr. Co. (Yellow), Stamps, Ark.
Boeckeler Lumber Co. (Yellow), 3550 N Hall, St. Louis, Mo.
Boll E. R. Lbr. Co. (Short Leaf), Hot Springs, Ark.
Bradley Lbr. Co. (Yellow), Warren, Ark.
Britton Lbr. Co. (Yellow), Lakewood, Fla.
Bruner Owen M. Co. (Yellow & White), 4th & Chestnut, Phila., Pa.
See adv index at end of book
Bush J. D. & Co. (Yellow), Wilmington, Del.
Butts Lbr. Co. (Long & Short Leaf), Phoenix, Ala.
Candelaria-Fowles Timber Co. (Western Soft), Arboles, Colo.
Canby Henry M. (White & Yellow), Wilmington, Del.
Casper Arnold & Son (Yellow), Callman, Ala.
Chapman Lumber Co., Title & Trust bldg, Portland, Ore.
Clifton Lbr. & Improvement Co., Clifton, Ariz.
Coale Thos. E. Lumber Co. (Yellow), 26th & Susquehanna, Phila., Pa.
Cochran Foster Lbr. Co. (Yellow), North Little Rock, Ark.
Consolidated Planing Mill Co. (Long & Short Leaf), Aliceville, Ala.
Consolidated Saw Mills Co. (Short Leaf Yellow), Arcade bldg, St. Louis, Mo.
Cotton Belt Lbr. Co., Bearden, Ark.
Crampton Lbr. Co. (Yellow), Montgomery, Ala.
Crookston Lumber Co. (Northern), 1st Nat Soo Line bldg, Minneapolis, Minn.
Cummer Lbr. Co. (Long Leaf Yellow), Jacksonville, Fla.
Dallas Lbr. & Mfg. Co. (Yellow, Long & Short Leaf & Southern), Selma, Ala.
Davis M. L. (Yellow), Oak Grove, Ala.
Denton Lbr. Co. (Yellow), Enville, Fla.
Dirks Lbr. & Coal Co. (Long & Short Leaf), De Queen, Ark.
Dock Mill Co., 100 Main, N. Tonawanda, N. Y.
Doster & Hamilton (Yellow), Lordyce, Ark.
Eastman, Gardiner & Co. (Yellow), Laurel, Mass.
Edgar Lbr. Co. (Yellow), Wesson, Ark.
Estes Lbr. Co. (Yellow), Birmingham, Ala.
Exchange Sawmill & Sales Co. (Yellow), R. A. Long bldg, Kansas City, Mo.
Faulkner W. C. (Norway, White & Yellow), Safford, Ariz.
Fordyce Lbr. Co. (Yellow), Fordyce, Ark.
Fort Smith Lbr. Co. (Yellow), Plain View, Ark.
Freeman-Smith Lbr. Co. (Yellow), Millville, Ark.
Gates Lbr. Co. (Yellow), Wilmar, Ark.
Graves Bros. Co. (Yellow), Hosford, Fla.
Griffith Geo. D. & Co., 11 S La Salle, Chicago, Ill.
Hafner Mfg. Co. (Yellow), ft. of Dock, St. Louis, Mo.
Hedlund Box & Lumber Co. (White), Stone & E B'way, Spokane, Wash.
Heidler Hardwood Lumber Co. (Yellow), 2539 S Robey, Chicago, Ill.
Hendrickson Lbr. Co., San Francisco, Cal.
Henry Lbr. Co. (Long & Short Leaf), Anniston, Ala.
Hilgard Lbr. Co. (Long & Short Leaf, N. C. White & Western), Selma, Ala.
Jackson Lbr. Co. (Yellow), Lockhart, Ala.
Johnson Lumber Co., 441 E Water, Milwaukee, Wis.
Kaul Lbr. Co. (Yellow), Birmingham, Ala.
Kirk W. S. (Yellow), Roanoke, Ala.
Kirkpatrick Lbr. Co. (Long & Short Leaf), Lisman, Ala.
Kneeland-Bigelow Co., Bay City, Mich.
Lampson Lbr. Co. (Southern), 167 Water, New Haven, Conn.
Little Lbr. Co. (Yellow), Anniston, Ala.
Lynch H. C. (Yellow), Anniston, Ala.
MacArthur & Kauffman, 461 Market, San Francisco, Cal.
Malvern Lbr. Co. (Yellow), Perla, Ark.
Mechanics Lbr. Co. (Long & Short Leaf), Fort Smith, Ark.
Mershon Eddy Parker Co. (Western & Idaho White), Saginaw, Mich.
Mickle Geo. T. Lumber Co. (Yellow), 30 N La Salle, Chicago, Ill
Mobile Sash & Door Co. (Long & Short Leaf), Mobile, Ala.
New Haven Saw Mill Co. (Southern), New Haven, Conn.
Nicola, Stone & Meyers Co., Hanna bldg., Cleveland, Ohio
Ozan Lbr. Co. (Yellow), Prescott, Ark.
Pacific Export Lumber Co., Porter bldg, Portland, Ore.
Pacific Lbr. Co., Hobart bldg, San Francisco, Cal.
Pensacola Lbr. & Timber Co. (Pitch), Pensacola, Fla.
Phoenix Lbr. Co. (Long Leaf & Yellow), Fort Myers, Fla.
Powe Thos. E. Lumber Co., 24 Branch, St. Louis, Mo.
Prime Lbr. Co. (Long & Short Leaf), York, Ala.
Red River Lbr. Co., Westwood, Cal.
Robinson Land & Lbr. Co. (Long Leaf & Yellow), Mobile, Ala.
Rock Creek Lbr. Co. (Southern Yellow), Hampton Springs, Fla.
Rust-Owen Lumber Co. (White), Drummond, Wis.
Saw Mill Products Co. (Yellow), 428 4th av, Pittsburgh, Pa.
Scotch Lbr. Co. (Yellow), Fulton, Ala.
Slade S. E. Lbr Co., 112 Market, San Francisco, Cal.
Southern Lbr. Co. (Yellow), Warren, Ark.
Southern Mfg. Co. (Yellow), Gadsden, Ala.
Southern Pine & Lbr. Co. (Yellow), Texarkana, Ark.
Southern Pine Lbr. Co. (Yellow), Montgomery, Ala.
Southern States Lbr. Co. (Yellow), Muscogee, Fla.
SOUTHERN WOOD PRESERVING CO., Atlanta, Ga. *See adv index at end of book*
Spanish Peak Lbr. Co., 1st Nat Bank bldg, San Francisco, Cal.
Speer Harris Lbr. Co. (Long & Short Leaf), Electric, Ala.
Standard Lbr. Co. (Yellow), Live Oak, Fla.
Stanley J. P. (Yellow), Fort Payne, Ala.
Steel Planing Co. (Long & Short Leaf), Eutaw, Ala.
Stevens-Daly Lbr. Co. (Long & Short Leaf), Tuscaloosa, Ala.
Stout Lbr. Co. (Yellow), Thornton, Ark.
Stuck C. A. & Sons (Long & Short Leaf), Jonesboro, Ark.
Sullivan Lumber Co. (White), N W Bank bldg, Portland, Ore.
Sumter Lbr. Co. (Yellow), Electric Mills, Miss.
Thomas-Huycke & Co. (Yellow), Oliver, Ark.
Thompson-Wells Lbr. Co. (Long & Short Leaf), Menominee, Mich.
Turner F. C. & Co. (Long & Short Leaf), Mobile, Ala.
Valley Lbr. Co. (Soft & Yellow), Reader, Ark.
Vancouver Lbr. Co., Ltd. (White), 343 S Dearborn, Chicago, Ill.

(Continued on following page)

Lumber (Pine)—Continued

Van Platen Lumber Co., Iron Mountain, Mich.
Wallis J. V. & Co. (Yellow), Talladega, Ala.
Waterman F. W. Co., Symons bldg, Spokane, Wash.
West Virginia Lumber Co., First Nat Bank bldg, Pittsburgh, Pa.
Wheeler-Timlin Lbr. Co., Wausau, Wis.
Williams & Massey Lbr. Co. (Long Leaf), Vina, Ala.
Willson Bros. Lumber Co. (Northern & N. C.), Oliver bldg, Pittsburgh, Pa.
Wis. & Ark. Lbr. Co. (Yellow & Soft), Malvern, Ark.
Yellow Pine Co. of Phila. (Long & Short Leaf), Penna. bldg, Phila., Pa.

7657 — Lumber (Southern Hardwood)

American Lumber & Mfg. Co., Vandergrift bldg, Pittsburgh, Pa.
Basic Mfg. Co., Wilmington, Del.
Boyd-Sinclaire Lumber Co. (Dirs.), 30 Church, New York
Brown Bros Co., 11 B'way, New York
BRUNER OWEN M. CO., 4th & Chestnut, Phila., Pa. *See adv index at end of book*
Farrin M. B. Lumber Co. ("Century" Oak Flooring, Poplar Siding, etc), Station av, Winton pl, Cincinnati, O.
Griffith Geo. D. & Co., 11 S La Salle, Chicago, Ill.
Hartmann-Neubert Lumber Co. (Fir & Hemlock), White bldg, Seattle, Wash.
Himmelberger-Harrison Lumber Co., Dept H, Cape Girardeau, Mo.
Johnson Lumber Co., 439 E Water, Milwaukee, Wis.
Kay Lumber Co., H, Liberty bldg, Phila., Pa.
Los Angeles Lumber Products Co., San Pedro, Cal.
McCormick Chas. R. & Co., 215 Market st, San Francisco, Cal.
See adv index at end of book
Monteola Hardwood Mills, Glenfield, N. Y.
Powe Thos. E. Lumber Co., 24 Branch, St. Louis, Mo.
Ross Warren Lumber Co., Jamestown, N. Y.
Serfas Lumber Co., Drake bldg, Easton, Pa.
Utley-Holloway Saw Mill Co., Inc., Clayton, La.
West Virginia Lumber Co., First National Bank bldg, Pittsburgh, Pa.
Wheeler-Timlin Lbr. Co., Wausau, Wis.
Wilson & Cochran, Lottie, La.
Wood-Mosaic Co., New Albany, Ind.

7657a— Lumber (Spruce)

Acme Lumber & Shingle Co. (& Fir), **20H W Jackson blvd, Chicago, Ill.**
Anderson Lumber Corp., Marion, S. C.
Augusta Lumber Co., Augusta, Me.
Babcock Lumber Co., Pittsburgh, Pa.
Bonners Ferry Lumber Co., Bonners Ferry, Idaho
Berlin Mills Co., Portland, Me.
Carpenter W. I. Lumber Co., 504 Lumber Ck. Minneapolis, Minn.
Central Warehouse Lbr. Co., Minnesota Transfer
Chapman Lumber Co., Title & Trust bldg, Portland, Ore.
Cherry River Boom & Lumber Co., Penna. bldg, Philadelphia, Pa.
Clifton Lbr. & Improvement Co., Clifton, Ariz.
Collins John D. Lumber Co., White bldg, Seattle, Wash.
Connecticut Valley Lumber Co., 147 Milk, Boston, Mass.
Crookston Lumber Co., **1st Nat Soo Line bldg, Minneapolis, Minn.**
Dempsey Lumber Co., Johnstown, Pa.
Dutton & Calhoun, **145 State, Springfield, Mass.**
Emporium Lumber Co., Utica, N. Y.
Gayoso Lbr. Co. (Elm, Oak, Ash, Hickory, Cottonwood, Sycamore, Hackberry, Poplar, Tupelo), Dept. H, Memphis, Tenn.
Grays Harbor Commercial Co., Cosmopolis, Wash.
Hart Wood Lumber Co., Gasco bldg, Portland, Ore.
Hartmann Neubert Lumber Co., Seattle, Wash.
Herron-Lawton-Parks Co., Henry bldg, Seattle, Wash.
Johnson Lumber Co., **441 E Water, Milwaukee, Wis.**
Kay Lumber Co., 133 S. 12th, Phila., Pa.
Keith Lumber Co., 2350 Lafin, Chicago, Ill.
Kent J. S. Lumber Co., Harrison bldg, Phila., Pa.
Kleeb Lumber Co., South Bend, Wash.
Lampson Lumber Co., **167 Water, New** Haven, Conn.
Leidel Lumber Co., St. Louis, Mo.
Lumber Mfrs. Agency, Centralia, Wash.
McKee W. I. Lumber Co., Quincy, Ill.
Mackintosh Truman Lumber Co., Henry bldg, Seattle, Wash.
Maloney J. A. & Co., 1170 B'way, New York
Mershon Eddy Parker Co., Saginaw, Mich.
National Lumber & Mfg. Co., Hoquiam, Wash.
Newbegin Lumber Co., Rust bldg, Tacoma, Wash.
Pacific Export Lumber Co., Porter bldg, Portland, Ore.
Parks & Lawton, Stuart bldg, Seattle, Wash.
Partridge T. M. Lumber Co., **731 Lumber Exchange, Minneapolis, Minn.**
Pinkham J. E. Lumber Co., White bldg, Seattle, Wash.
Pioneer Lumber Co., Seattle, Wash.
Pocahontas Lumber Co., Brookville, Pa.
Preston Mill Co., Preston, Wash.
Puget Sound Mills & Timber Co., Post Angeles, Wash.
Roy E. B. Lumber Co., Seattle, Wash.
St. Croix Paper Co., **244 Washington,** Boston, Mass.
Schofield Bros., Penna bldg, Phila., Pa.
Serfas Lumber Co., Drake bldg, Easton, Pa.
Siver M. L. & Co., Sidney, N. Y.
Slade S. E. Lumber Co., 112 Market, San Francisco, Cal.
Spanish Peak Lbr. Co., 1st Nat Bank bldg, San Francisco, Cal.
Sterner E. J. Co., 30 Church, New York
Stone & Hershey, 31 Clinton, Newark, N. J.
Sullivan Lumber Co., N W Bank bldg, Portland, Ore.
Talley's Thos. J., 15th & Race, Phila., Pa.
Totem Lumber Co., 929 Peachtree, Seattle, Wash.
Transfer Lumber & Shingle Co., N Tonawanda, N. Y.
Vancouver Lbr. Co., Ltd., 343 S Dearborn, Chicago, Ill.
Waite H. B. Lumber Co., Security bldg, Minneapolis, Minn.
West Virginia Lumber Co., First National Bank bldg, Pittsburgh, Pa.
White, Richard P., Albany, N. Y.
Whitmer Wm. & Sons, Inc., Finance bldg, Phila., Pa.
Willapa Lumber Co., Gasco bldg., Portland, Ore.
Wood E. K. Lumber Co., 1 Drumm, **San Francisco, Cal.**
Yellow Pine Co., 16 Beaver, New York

7657b— Lumber (Steel)

Belmont Iron Works, 22nd & Washington, Phila., Pa.
Berger Mfg. Co. ("Berloy," "Riplex"), Dept. H, 1038 Belden av, Canton, Ohio
Central Steel Co., Massilon, Ohio
Chesapeake Iron Works, H, Westport, Baltimore, Md.
General Fireproofing Co. (The), 2308 Logan av, Youngstown, Ohio
Moss J. E. Iron Works, Wheeling, W. Va.
Truscon Steel Co., Dept. H, Youngstown, O.

7658— Lumber (Templet)

Acme Lumber & Shingle Co., 20 W Jackson blvd, Chicago, Ill.
American Lumber & Mfg. Co., Vandergrift bldg, Pittsburgh, Pa.
Basic Mfg. Co., Wilmington, Del.
BRUNER OWEN M. CO., 4th & Chestnut, Phila., Pa. *See adv index at end of book*
Coale Thomas E. Lumber Co. (White Pine & Basswood Bone Dry Templet Stock Always on Hand), 26th & Susquehanna, Phila., Pa.
Foss E. B., Bay City, Mich.
Johnson Lumber Co., Milwaukee, Wis.
Ross Warren Lumber Co., Jamestown, N.Y.
Serfas Lumber Co., Drake bldg, Easton, Pa.
Trunbull J. W. Lumber Co. (Wholesale Shippers), Stock Exchange bldg, Phila., Pa.
Warren Ross Lumber Co., Jamestown, N. Y.
West Virginia Lumber Co., First National Bank bldg, Pittsburgh, Pa.

7658a—*Lunch Kits (Automobile)

Pittsburgh Tinware Mfg. Co. ("Tinco"), Bidwell, Pittsburgh, Pa.
Wizard Lunch Kit Co., The, 1801 Divisadero, San Francisco, Cal.

7659— Luncheonettes

Bishop & Babcock Co., 1204 E 55th, Cleveland, O.
Chicago Flag & Decorating Co., 1345 S. Wabash av, Chicago

7659a— Lustres (Ceramic)

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book

7660— Lycopodium

Lathrop H. R. & Co., 116 Beekman, New York
Lyon-Julian W. (Imp.), 75 Fulton, New York
McKesson & Robbins (Imp.), 91 Fulton, New York
Riddle Chemical Co., 35 S Dearborn, Chicago
See adv index at end of book
Salomon L. A. & Bro. (Substitute), 216 Pearl, New York
Wiarda John C. & Co. (Imp.), 83 Provost, Brooklyn, N. Y.
See adv index at end of book

7661-2— Lye

American Chemical Co., 708 Gwynne bldg, Cincinnati, O.
Babbitt B. T. (Inc.), (Pure Concentrated), 15 W 34th, New York
Brookman Mfg. Co., 664 N Wells, Chicago, Ill.
Champion Chemical Works, 19 W Austin, Chicago, Ill.
Drackett P. W. & Sons Co., 3426 Edwards, Cincinnati, Ohio
Eagle Lye Works, 28 Erie, Milwaukee, Wis.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Hall E. N., 320 B'way, New York
Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Hooker Electro Chemical Co. (Caustic Soda), 25 Pine, New York
MATHIESON ALKALI WORKS, INC., 25 W. 43rd, New York
See adv index at end of book
Mechling Bros. Mfg. Co. (Borax), Camden, N. J.
Millville Pulp & Products Co. (Wood), Millville, N. J.
Myers E. Lye Co., 3d & Clark, St. Louis, Mo.
National Chemical Co. of Cal., 526 Salameda, Los Angeles, Cal.
Penn Chemical Works ("Banner," Powdered & Crushed), 1332 Washington av, Phila., Pa.
Penna. Salt Mfg. Co., Widener bldg, Phila., Pa.
Philadelphia Lye & Chemical Co., 1811 Fitzwater, Phila., Pa.
Schield Wm. Mfg. Co., 619 N 2d, St. Louis, Mo.
Tomson P. C. & Co. ("Red Seal"), **29 Washington, Phila., Pa.**
Wiarda John C. & Co., **83 Provost, Brooklyn, N. Y.** *See adv index at end of book*

Macadam Roads

See Contractors, Building & General

7663— Machetes

Collins Co., Collinsville, Conn.

7663a— Machine Builders

Clyne R. G. Engineering Co., **12th & Tyler,** St. Louis, Mo.
Keystone Bronze Co., 39th & A. V. R. R., Pittsburgh, Pa.

7663b—Machine Floor Sanding

INLAID FLOOR CO., 600 Alabama, San Francisco, Cal. & 4067 Watts, Emeryville, Cal.

7664—Machine Milling Work

Cleveland Milling Mach. Co., 18521 Euclid av, Cleveland, Ohio
FOOTE GEAR WORKS, 430 N Oakley blvd, Chicago
See adv index at end of book
Sommer & Adams Co., 18511 Euclid av, Cleveland, O.
Zeigler Mfg. Co., Alexandria, Ind.

7665—Machine Parts (Finished)

Bingham J. F. Mfg. Co., Lawrence, Mass.
Bonney Forge & Tool Works (Laundry), Telghman, Allentown, Pa.
Detroit Screw Works, 348 Franklin, Detroit, Mich.
Morley Mach. Co., 814 St. Paul, Rochester, N. Y.
Myers Willard F. Co. (Automatic), **Bedford, Ind.**
Norman Felix, Dept. H, Patterson, Pa.
Rochester Machine Co., 15 Caledonia av, Rochester, N. Y.
Zeigler Mfg. Co., Alexandria, Ind.

7666— Machine Parts (Hardened & Ground)

Detroit Screw Works, 348 Franklin, Detroit, Mich.
Morris Mach. Tool Co., Court & Harriet, Cincinnati, O.
Zeigler Mfg. Co., Alexandria, Ind.

7666a — Machine Products (Automatic)

BELL DAVID CO., INC. (THE) ("Beloc Products"), 1555 Fillmore av, **Buffalo, N. Y.** *See adv index at end of book*
Dundore Mfg. Co., 224 Orange, Reading, Pa.
Zeigler Mfg. Co., Alexandria, Ind.

Machine Screw Work

See Screw Machine Products

Machine Shop Furniture

See Steel Factory Equipments

7666b— Machine Tool Attachments

Townsend H. P. Mfg. Co. ("Townsend" Taper for Lathes), 10H Hoadley pl, Hartford, Conn.
Vonnegut Machy. Co., 43 S Meridian, Indianapolis, Ind.

7667— Machine Tools

For Manufacturers of Machine Tools see the specific article; for Dealers, see Machinists' Tools & Supplies; also Machinery Dealers.

Am. Tube & Stamping Co. (For Power Presses), Dept. H, Bridgeport, Conn.
Automatic Machine Co., Bridgeport, Conn.
Barker Wm. & Co., Wheeler & Pleasant av, Covington, Ky.
Betts Supply Co., 406H S Franklin, Syracuse, N. Y.
Blomquist-Eck Machine Co., 1146 E 152d, Cleveland, Ohio
Brady F. A. ("Fabrady"), 30 Church, New York
Brown & Zortman Machinery Co., 325H 2nd av, Pittsburgh, Pa.
Chicago Machine Tool Co., 647 Washington blvd, Chicago, Ill.
CLEVELAND TOOL & SUPPLY CO. (Dirs), 1427-37 W 6th, Cleveland, O.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Columbia Machine Tool Co., Hamilton, O.
CONSOLIDATED MACH. TOOL CORP. OF AMER., Rochester, N. Y.
See adv index at end of book
Dill S. C. Machine Co. (Slotting Machine), Somerset & Mascher, Phila., Pa.
Elyria Machine Co., Elyria, O.
Essley Machinery Co., 551 Washington blvd, Chicago, Ill.
Fenton Mach Tool & Die Co., Fenton, Mich.
Flather & Co., Nashua, N. H.
Fosdick Machine Tool Co., Blue Rock & Applett, Cincinnati, Ohio.
Greene L. A., First Nat'l Bank bldg, Pittsburgh, Pa.
Greenlee Bros. Co., 12th, Rockford, Ill.
Hamilton Machine Tool Co., Hamilton, O.
Wis. *See adv index at end of book*
Harnischfeger Corp., Milwaukee, Wis.
See adv index at end of book
Harrington Edwin Son & Son, 17th & Calowhill, Philadelphia, Pa.
Hendrie & Belthoff Mfg. & Supply Co., 1639 17th, Denver, Colo.
Hisey-Wolf Mach. Co., Cincinnati, O.
Hjorth Lathe & Tool Co., 10 Tremont, Boston, Mass.
INDUSTRIAL PLANTS CORP., 25 Church, New York
See adv index at end of book
International Mach. Tool Co., Indianapolis, Ind.
Jones Machine Tool Co. (Jobbers), 435 E Pearl, Cincinnati, Ohio
Jones Machine Tool Works, 53d & Lansdowne av, Philadelphia, Pa.
Kinsey E. A. Co., 331 W 4th, Cincinnati, Ohio
Kraetke Bros., 2493 Grand blvd, Detroit, Mich.
Lees-Bradner Co., 6210 Carnegie av., S. E. Cleveland, O.
Lucas Machine Tool Co., 524 E 99th, Cleveland, O.
Lynd Farquhar Co., 419 Atlantic av, Boston, Mass.
McCabe & Sheeran Machy. Corp., 50 Church, New York
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
MANNING MAXWELL & MOORE, INC. E 42nd, New York
See adv index at end of book
Marburg Bros., 90 West, New York
Michigan Machine Co., 85 Porter, Detroit, Mich.
Midwest Mfg. Co., 1520 N 13th St. Louis, Mo.
Moak Machine & Tool Co., Port Huron, Mich.
Morris Machine Tool Co., Court & Harriet, Cincinnati, O.
Morris Tool Co., 30 Church, New York
Motch & Merryweather Machinery Co., 707-715 Lakeside av, Cleveland, Ohio
Myers Machine Tool Co., Columbia, Pa.
Oilgear Co., 406 38th, Milwaukee, Wis.
Oviatt D. C. & Co., 1106 St. Clair av, Cleveland, O.
PRENTISS HENRY & CO., INC., 149 B'way, New York
Reliance Machinery Sales Co., Brighton rd & Pennsylvania av, Pittsburgh, Pa.
Ryerson Jos. T. & Son, 2558 W 16th, Chicago, Ill.
See adv index at end of book
St. Louis Machine Tool Co., 932H Loughborough, St. Louis, Mo.
Sebastian Lathe Co., 3rd & Philadelphia, Covington, Ky.
Seyfert's L. F. Sons, Inc., 437 N 3rd, Philadelphia, Pa.
Smith R. G. Tool & Mfg. Co. (Special), 249 N. J. R. R. av, Newark, N. J.
Stallman F. O. Supply Co., 173 First, San Francisco, Cal.
U. S. Mach. Tool Co., Cincinnati, O.
Van Horn Oliver H. Co., Inc. (Dirs), 513 Camp
Vonnegut Machy. Co., 43 S Meridian, Indianapolis, Ind.
Warner & Swasey Co., 5809 Carnegie av, Cleveland, Ohio
Whipp Machine Tool Co. (Shapers), Sidney, Ohio
Woodworkers Tool Works (Woodworking), 222 S Jefferson, Chicago, Ill.

7668 — Machine Work (Automatic)

Cassady-Fairbanks Mfg. Co., 6126 La Salle, Chicago, Ill.
Nordquist Mach. & Mfg. Co., 555 W Monroe, Chicago, Ill.

7669—*Machine Work (For Automobiles)

Detroit Screw Works, 348 Franklin, Detroit, Mich.
Zeigler Mfg. Co., Alexandria, Ind.

7670—Machine Work (General Contract)

Austin & Smith Co., 164 Brewery, New Haven, Conn.
See adv index at end of book
Bass Foundry & Machine Co., Ft. Wayne, Ind.
Geuder, Paeschke & Frey Co. (Drawn or Pressed, 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Hanson Clutch & Machine Co., Tiffin, O.
Lebanon Brass Works, Lebanon, Pa.
Lough Bros., 90 West, New York
McCulloch A. P. Machine Co., 216 High. Boston, Mass.
Pulaski Foundry & Mfg. Corp., 2424 Euclid av, Cleveland, Ohio
See adv index at end of book
Treadwell Construction Co., Midland, Pa.
Up-To-Date Tool Co., 81 Wareham, Boston 18, Mass.
Wicaco Screw & Mach. Wks., 4801H Stenton av, Philadelphia, Pa.

Machinery

For Dealers in Machinery, see Machinery Dealers; also Machinists' Tools & Supplies.

Note.—For various kinds of Machinery Manufacturers see sub-classifications of this head following in their regular alphabetical order. See also Drills of various kinds; Lathes of various kinds; also Planers, various kinds; also Sugar Machinery; also Textile Machinery,, etc.; also Compressors, Air; also Blowers; also Conveyors; also Cranes; also Dynamos & Motors; also Elevators; also Engines; also Locomotives; also Presses of various kinds; also Pumps; also Road Rollers of various kinds. See also Machinists & Founders.

Abattoir Machinery

See Packing House Machinery; also Slaughter House Machinery

7671— Abrading Machines

Clark & Mills Electric Co. (For Testing Road Making Materials), Cambridge, Mass.
International Instrument Co., 23 Church, Cambridge, Mass.

7672—Abrasive Metal Cutting Machines

Gilman & Son, Springfield, Vt.
Greenfield Tap & Die Corp ("G. T. D."), Greenfield, Mass.
Peter Bros. Mfg. Co., Algonquin, Ill.

7673—Acid Cleaning Machines

Torrington Mfg. Co., Torrington, Conn.

7674— Adding Machines

See also Calculating Machines; also Typewriters, Adding & Billing

Adder Machine Co. ("Wales" Visible Listing & Adding), Wilkes-Barre, Pa.
Add-Index Corp., 120 B'way, New York
Arithstyle Co., 145 W 45th, New York
Austin Adding Mach. Co., 297 Lincoln av, Balto., Md.
Automatic Adding Machine Co. ("Gem" Automatic), 115 W Broadway, New York
Automatic Bookkeeping Register Co., St Mo.
Burroughs Adding Machine Co., 356 E Congress, Detroit, Mich.
Cash Mercantile Co., 326 Market, San Francisco, Cal.
Cluley Multiplier Co., Green Bay, Wis.
Commonwealth Adding Mach. Co., Muskegon, Mich.
Dalton Adding Machine Sales Co. ("Dalton"), Norwood, Cincinnati, Ohio
Elliott-Fisher Co., Monadnock bldg, San Francisco, Cal.
Ellis Adding Typewriter, 338 Elizabeth av, Newark, N. J.
Federal Adding Machine Corp. ("Federal"), 33 E 21st, New York
Felt & Tarrant Mfg. Co. ("Comptometer" Adding and Billing), 1717 N Paulina, Chicago, Ill.
Gancher Abraham T. (Desk), 148 Duane, New York
Greist Mfg. Co., New Haven, Conn.
Lanston Monotype Mach. Co., 24th & Locust, Philadelphia, Pa.
Marchant Calculating Mach. Co., 4th & Powell, Emeryville, Cal.
Mechanical Accountant Co., 17 Warren, Providence, R. I.
Mellicke Calculator Co., 934 Wrightwood av, Chicago, Ill.
Monroe Calculating Machine Co. ("Monroe"), Woolworth bldg, New York
Morschhauser, W. A. ("Millionaire), 1 Madison av, New York
Peters-Morse Adding Machine Co., Inc., Ithaca, N. Y.
Reuter Carl H. ("Brunsviga" & "Burkhard"), Land Title bldg, Phila, Pa.
Shonk Chas. W. Co., Maywood, Ill.
Stundstrand Adding Machine Co. ("Sundstrand"), Rockford, Ill.
Tabulating Machine Co., 50 Broad, New York
Teetor Adding Mach. Co., Pacific Finance bldg, Los Angeles, Cal.
TODD PROTECTOGRAPH CO., 1147 University av, Rochester, N. Y.
U. S. Adding Machine Co., 101 Park av, New York.
Wales Adder Mach. Co., Wilkes-Barre, Pa.

7675—Addressing & Mailing Machines

Addressing Machine Co. (Machines for Addressing Tags), 895 Niagara, Buffalo, N. Y.
Addressograph Co., 901 W Van Buren, Chicago, Ill.
Beiknap Addressing Mach. Co., 46 W 23d, New York
Birchor Co., Inc. ("Lighting" Combined Stamping, Sealing & Counting), 78 Exchange, Rochester, N. Y.
Challenge Machinery Co. ("Mercantile"), Grand Haven, Mich.
Elliott Addressing Mach. Co., 114H Sansome, San Francisco, Cal.
Elliott Co. ("Addresserpress"), Cambridge, Mass.
Matthews Jas H. & Co. (Metal Tag Addressing), 3942 Forbes, Pittsburgh, Pa.
See adv index at end of book
New Writerpress Co., Shelton, Conn.
Pollard-Alling Mfg. Co., 220 W 19th, New York
Pruitt Co. (Jobbers), 170 N Wells, Chicago, Ill.
RAPID ADDRESSING MACHINE CO. ("Indexograph," "Beiknap System"), 32 W 23rd, New York
See adv index at end of book
Wallace Addressing Machine Co., 116 W 14th, New York.
Wing's Chauncey Sons ("Wing-Horton", "New Wing"), (Aluminum), Greenfield, Mass.

7676—Aeroplane Machy. & Equipment

Custer Specialty Co. (Custer Ameroids & Statoscopes), 28 N Ludlow, Dayton, O.
Dalton Mfg. Corp., Sound Beach, Conn.
Defiance Machine Wks., Defiance, O.
Fox Machine Co., Jackson, Mich.
Grand Rapids Veneer Wks., Grand Rapids, Mich.
Lansing Stamping & Tool Co., Lansing, Mich.
Mattison C. Machine Wks., Rockford, Ill.
Pryibil Machine Co., 520 W 41st, New York

7676a—Air Drying Machinery

Audiffren Refrigerating Machine Co., 2211 West St. bldg, New York
See adv index at end of book
Bentz Engineering Corp., 90 West, New York
Christie L. R. Co., 501 People's Bank bldg, Pittsburgh, Pa.
Combustion Utilities Corp., 8-10 Bridge, New York
Groton Electrical Devices, Inc. (For Hand Drying), Groton, N. Y.
Waldron Jno. Co., New Brunswick, N. J.

7677— Alfalfa Machinery

Howes S. Co., Inc. (Packers & Dust Collectors), Silver Creek, N. Y.
Huntley Mfg Co. ("Monitor" Packers & Dust Collectors. Silver Creek, N. Y.
Robinson H. Mfg. Co., Muncy, Pa.
Sprout Waldron & Co., Muncy, Pa.
See adv index at end of book

7678—Aluminum Rolling Mill Machinery

BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn.
See adv index at end of book
Garrison A. Foundry Co., 901 Bingham Pittsburgh, Pa.

7679—Amatite Paper Machines

Haberkamp, Wm. Machine Works, 442 Wells, Chicago, Ill.

7679a—Angle Bending Machines

Dreis & Krump Mfg. Co., 2901 S Halsted, Chicago, Ill. *See adv index at end of book*
Wallace Supplies Mfg. Co., 1312 Diversey parkway, Chicago, Ill.

(Continued on following page)

Angle Bending Machines—Continued

WICKES BROS. (Power), Saginaw, Mich.
See adv index at end of book
Williams White & Co., 301 8th, Moline, Ill.

7680—Angle Iron Cutting Machines (Hand Power)

Braun J. G., 609 S Paulina, Chicago, Ill.
Buffalo Forge Co., Buffalo, N. Y.
Dreis & Krump Mfg. Co., 2901 S Halsted, Chicago, Ill. *See adv index at end of book*
Hinman D. A. & Co., Sandwich, Ill.
Kidder J. F. Mfg. Co., Burlington, Vt.
Lewthwaite, T. H. Machine Co., 411 E 31st, New York
Schatz Mfg. Co., Poughkeepsie, N. Y.

7681—Angle Straightening Machines

Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Gibbs-Brower Co. (Elliott), 261 Broadway, New York
Kane & Roach, Syracuse, N. Y.
United Engineering & Foundry Co. (For Rolling Mills), Farmers Bk. bldg, Pittsburgh, Pa.
Youngstown Foundry & Machine Co., Youngstown, O.

7682—Angular & Ratchet Drilling Machines

See also Drills, Hand

Millers Falls Co., Dept H, Millers Falls, Mass.

Annealing Machines

See Heating Machines; also Furnaces, Annealing & Case Hardening

7683—Apple Butter Machinery

Sprague Canning Machinery Co. (Hand & Power), 222 N Wabash av, Chicago, Ill.

7684—Apple Evaporating Machinery

Boutell Mfg. Co., Rochester, N. Y.

7685—Apple Grating Machines

Dunning & Boschert Press Co., Inc., 379 W Water, Syracuse, N. Y.
See adv index at end of book
Hamilton Metal Products Co., Hamilton, Ohio
Kelso & Co., 559 W Quincy, Chicago, Ill.
Sprague-Sells Corp., 508 N Dearborn, Chicago, Ill.

7686—Apple Paring Machines

Boutell Mfg. Co. ("Rival," "Triumph," Hand & Power), Rochester, N. Y.
Premier Machinery Co., Oakland, Cal.
Sayre L. A. Co., 333 Mulberry, Newark, N. J.
Sprague Canning Machinery Co. (For Canners, Hand & Power), 222 N Wabash av, Chicago, Ill.

7687—Apple Quartering Machines

Boutell Mfg. Co. ("Pease"), Rochester, N.Y.
Forsyth Metal Goods Co. (& Corer), E. Aurora, N. Y.

7688—Apple Slicing Machinery

Boutell Mfg. Co. ("Pease," "Rotary," "Rochester" Self Feed, "Perfect" Self Feed & "Sun" Hand), Rochester, N. Y.
Rollman Mfg. Co., Mount Joy, Pa.

7689—Armature Banding Machines

Columbia Machine Works & Malleable Iron Co. ("Columbia"), Atlantic & Chestnut, Brooklyn, N. Y.
Electric Service Supplies Co., 17th & Cambria, Phila., Pa.
Ridlon Frank Co., 251 A, Boston, Mass.

7690—Armature Coil Taping Machines

Chattanooga Armature Works, 1213 Duncan av, Chattanooga, Tenn.
Columbia Machine Works & Malleable Iron Co. ("Columbia"), Atlantic av & Chestnut, Brooklyn, N. Y.
Griswold Geo. M. Machine Co., Bradby & William, New Haven, Conn.
Oliver Electric & Mfg. Co. ("Precision"), 4221 Forest Pk., St. Louis, Mo.

7691-2—Armature Disc Notching Machines

BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Ferracute Mach. Co., Bridgeton, N. J.
Long & Allstatter Co., Hamilton, O.
See adv index at end of book

7693—Armature Straightening Machines

Columbia Machine and Malleable Iron Co. ("Columbia" and Lead Flattening), Atlantic av and Chestnut, Brooklyn, N. Y.
Kane & Roach, Syracuse, N. Y.

7694—Armature & Field Coil Winding Machines

Chapman P. E. ("Chapman" Adjustable Drum), 10 & Walnut, St. Louis, Mo.
Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.
Coto-Coil Co., 37 Willard, Providence, R. I.
Oliver Electric & Mfg. Co. ("Precision"), 4221 Forest Pk., St. Louis, Mo.
Universal Winding Co., Providence, R. I.

7695—Armor Plate Cold Saw Cutting Machines

Consolidated Mach. Tool Corp. of Amer., 17 E 42, New York
See adv index at end of book

Artesian Well Machinery

See Well Drilling Machinery

7696—Artificial Leather Making Machinery

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Waldron Jno. Co., New Brunswick, N. J.

7697—Asbestos Compound Mixing Machines.

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Cummer F. D. & Son Co., H, Hanna bldg, Cleveland, Ohio
National Engineering Co., 549 W Washington blvd, Chicago, Ill.

Ash Handling Machinery

See Conveyors, Coal & Ash; also Coal & Ore Handling Machinery; also Coal Storage Plant Construction

Asphalt Machinery

See Asphalt Plant Builders; also Mixers, Asphalt; also Heaters, Asphalt, Pitch & Tar.

7698—Assembling Machines (Wheel)

Defiance Machine Works (Auto & Auto Truck Wheels), Defiance, O.

7699—Auger Brick Machines

Bonnot Co., 722 Mulberry S E, Canton, O.
Freese E. M. & Co., Galion, O.
Hadfield-Penfield Steel Co. (The), Bucyrus, Ohio *See adv index at end of book*
Steele J. C. & Sons, Statesville, N. C.

7700—Auger Brick Machines & Pug Mill Combined

Hadfield-Penfield Steel Co. (The), Bucyrus, Ohio *See adv index at end of book*

7701— Auger Clot Machines

Hadfield-Penfield Steel Co. (The) (For Roofing Tile), Bucyrus, Ohio
See adv index at end of book

7702 — Automatic Packaging Machines

American Machine & Foundry Co., 5520 2nd av, Brooklyn, N. Y.
Anderson E. D., Inc., Grand Central Terminal, New York
Automatic Mchy. & Equipment Co., 1110H Land Title bldg, Phila., Pa.
Bunn B. H. Co. (Parcel Tying), 7329 Vincennes av, Chicago, Ill.
Illinois Glass Co. ("Diamond I"), Dept. H, Alton, Ill.
Iners Lee Co. ("Tite Seald"), 215 Central av, Newark, N. J.
Johnson Automatic Sealer Co., Ltd., Battle Creek, Mich.
Package Machinery Co., Springfield, Mass.
PETERS MACHINERY CO., 4700 Ravenswood av, Chicago, Ill.
Pneumatic Scale Corp. (Ltd.), Norfolk Downs, Mass.
Premier Machinery Co., Oakland, Cal.
Redington F. B. Co. (Carton Filling), 112 S Sangamon, Chicago, Ill.
Standard Automatic Machine Co., Rochester, N. Y.
Stokes & Smith Co., Summerdale, Phila., Pa.

7703—Automatic Turret Machines

Acme Machine Tool Co., 4955 Spring Grove av, Cincinnati, O.
Brown & Sharpe Mfg. Co., Providence, R. I.
Cleveland Automatic Machine Co., 2369 E 65th, Cleveland, O.
Greenlee Bros. Co., 12th, Rockford, Ill.
National Acme Co. ("Gridley"), 7500 Stanton av, S C, Cleveland, O.
New Britain Machine Co. ("New Britain" Multiple Spindle), 190 Chestnut, New Britain, Conn.
Turner Machine Co. ("Turner Turret," Semi-Automatic, Vertical), Danbury, Conn.
Warner & Swasey Co., 5809 Carnegie av, Cleveland, O.

7704—*Automobile, Bicycle, Sewing Machine & Typewriter Machinery

BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Continental Auto Parts Co. ("Continental"), 2207 E 17th, Columbus, Ind.

7705—*Automobile Parts Machinery (Drop Forged & Sheet Metal)

Bethlehem Steel Co., Bethlehem, Pa.
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Merrill Bros., 3 Arnold (Queens Boro), Maspeth, L. I., N. Y.
See adv index at end of book

7706—Automobile Wheel Machinery

Kane & Roach, Syracuse, N. Y.

Axe Handle Machinery

See Lathes, Handle Turning

7707—Axle Cutting-Off & Centering Machines

FAWCUS MACHINE CO., 2813-2823 Smallman, Pittsburgh, Pa.
See adv index at end of book
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*

Axle Straightening Machines

See Shaft Straightening Machines

7708—Axle Upsetting Machines

Ajax Mfg. Co., 3830 Lakeside av, Cleveland, O.
Williams, White & Co., 301 8th, Moline, Ill.

7709—Axle Welding & Upsetting Machines

Champion Blower & Forge Co. ("Champion" for Axles & Tires), Lancaster, Pa.
Kane & Roach, Syracuse, N. Y.
Mac Leod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

7710— Badge Pin Machinery

Baird Machine Co., Stratford av, Bridgeport, Conn.

7711— Bag Closing Machines

Union Special Machine Co., 400 N Franklin, Chicago, Ill.

7712— Bag Filling Machines

See also Packing Machines

Allis-Chalmers Mfg. Co. (Flour Mill), Milwaukee, Wis.
See adv index at end of book
Bates Valve Bag Co., 1310 S Chicago av, Chicago, Ill.
Brown Bag Filling Machine Co. (For Filling & Sealing Flat Paper Bags), Fitchburg, Mass.
Haiss Geo. Mfg. Co. (Coal), 141st & Rider av, New York
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Poole Engineering & Machine Co. (For Fertilizer), Woodbery Sta., Baltimore, Md.
Redington F. B. Co. (Carton), 112 S Sangamon, Chicago, Ill.
Richardson Scale Co. ("Richardson," Stationary & Portable), Passaic, N. J.
Ross Chas. & Son Co., 143 Classon av, Brooklyn, N. Y.
Sawyer W. H. & Sons Co. ("Sawyer-Fulford"), Americus, Ga.
Schaffer Poidometer Co., Formerly Schaffer Engineering & Equipment Co. ("Poidometer" Attachment), 2828 Smallman, Pittsburgh, Pa.
See adv index at end of book
VALVE BAG CO. OF AMERICA (Lime), 3440-3444 Summit av, Toledo, Ohio.
See adv index at end of book
Western Valve Bag Co. (Automatic), 2604 Irving Park blvd, Chicago, Ill.
Wolf Co., Chambersburg, Pa.

7713—Bag Making Machinery

See also Looms Bag

Brown Bag Filling Machine Co., Fitchburg, Mass.
Charleston Dry Dock & Machine Co.
Ersted Machinery Mfg. Co. ("Ersted" Bag Turning Machine), E 29th & Clackamas, Portland, Ore.
Smith & Winchester Mfg. Co., South Windham, Conn.
Schmutz Mfg. Co., Inc., 17th & Walnut, Louisville, Ky.
Vierengel Matthew (Cement), 32 S 6th, Brooklyn, N. Y.

7714—Bag Printing Machinery

Cottrell C. B. & Sons Co., New York
Grammes L. F. & Sons, Allentown, Pa.
Kidder Press Co. (Cloth & Paper), Dover, N. H.
Koehler Hy. L. Mfg. Co., Louisville, Ky.
Schmutz Mfg. Co., Inc., 17th & Walnut, Louisville, Ky.

7714a—Bail Making Machinery

Baird Machine Co., Stratford av, Bridgeport, Conn.
Bliss E. W. Co., 53rd & 1st av, Brooklyn, N. Y.
Nilson A. H. Machine Co., 55 William, Bridgeport, Conn.
Shuster F. B. Co., Cedar Hills, New Haven, Conn.
See adv index at end of book

7715— Bakers' Machinery

See also Confectioners' Machinery

American Bakers' Machinery Co. (Dough Dividers, Mixing & Moulding), 1600 Kingshighway, St. Louis, Mo.
Baker's Sons J. & Perkins Co., Inc. ("Bucket" Type Proofer & "Monarch" Proofer), White Plains, N. Y.
Baum & Schoel, Waterloo, Ia.
Century Machine Co., Oakley, Cincinnati, Ohio
Century Machine Co., 4434 Marburg, Cincinnati, O.
Champion Machinery Co., Joliet, Ill.
Clancy Fred V. (Doughnut Machinery), 621 Valencia, San Francisco, Cal.
Combustion Utilities Corp., 8-10 Bridge, New York.
Day J. H. Co. (Wire Cake Cutting Machines, etc), Cincinnati, O.
Dutchess Tool Co., Beacon, N. Y.
East Iron & Machine Co., 351 E Market, Lima, O.
Green Thos. L. & Co. (Biscuit Plant Equipment Exclusively), 206 Miley av, Indianapolis, Ind.
Harton Pembroke D. (Icing Machines, etc.), Lawrence & Leigh, Phila., Pa.
Haysen Mfg. Co., Sheboygan, Wis.
Mills Thos. & Bro., Thompson & 8th, Phila., Pa.
Peerless Bread Machine Co., Sidney, Ohio
PETERS MACHINERY CO. (Sugar Wafer Cutting & Spreading), 4700 Ravenswood av, Chicago, Ill.
Read Machinery Co., York, Pa.
Robinson H. Mfg. Co., Muncy, Pa.
Rockwell L. A. Co., 430 Smith, Brooklyn, N. Y.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Surface Combustion Co. The, 334 Gerard av, Bronx, New York
See adv index at end of book
Thomson Machine Co., Belleville, N. J.
Triumph Mfg. Co., 3400 Spring av, Cincinnati, Ohio

7716—Balancing Machinery (Pulley)

Defiance Machine Works, Defiance, O.
Vibration Specialty Co. (Static and Dynamic), Harrison bldg, Philadelphia, Pa.

7717—Balancing Machines (Knife)

American Wood Working Machinery Co., 347 Madison av, New York
Baldwin, Tuthill & Bolton, Grand Rapids Mich.
Defiance Machine Works, Defiance, O.
Fay J. A. & Egan Co., Cincinnati, O.
Hall & Brown Woodworking Machine Co. 1911 N Broadway, St. Louis, Mo.
Yates P. B. Machine Co., Beloit, Wis.

7718— Bale Tie Machines

Collins Plow Co. (Hand), Quincy, Ill.
Dain Mfg. Co., Ottumwa, Ia.
Des Moines Bale Tie Co., Des Moines, Ia.
Ertel Geo. Co., Quincy, Ill.
Kansas City Hay Press Co., Foot of 4th st viaduct, Kansas City, Mo.
Oram John S. Co. (Punch, Shear & Riveter), 5240 Hamilton av, Cleveland, O.
Sandwich Mfg. Co., Sandwich, Ill.
Scott Hay Press Co., 1300 W 13th, Kansas City, Mo.

7719—Ball Turning Machines

American Tool & Machine Co., 10 High, Boston, Mass.

7719a—Band Building Machines

Banner Machine Co., Columbiana, Ohio

7720—Band Re-Sawing Machines

See also Band Sawing Machines

Allis-Chalmers Mfg. Co. (Horizontal & Vertical), Milwaukee, Wis.
See adv index at end of book
Connell & Dengler Machine Co., Rochester, N. Y.
Cordesman-Rechtin Co., Butler, Cincinnati, O.
Defiance Machine Works, Defiance, O.
Fay J. A. & Egan Co., Cincinnati, O.
Filer & Stowell Co., Milwaukee, Wis.
Garland M. Co., Bay City, Mich.
Hall & Brown Woodworking Machine Co., 1911 N Broadway, St. Louis, Mo.
McDonough Mfg. Co., Eau Claire, Wis.
Mereen-Johnson Machine Co. (Vertical & Horizontal Slab), 4400 Lyndale av N, Minneapolis, Minn.
Mershon W. B. & Co., Saginaw, Mich.
Oliver Machinery Co., Grand Rapids, Mich.
Yates P. B. Machine Co., Beloit, Wis.

7721—Band Saw Filing & Setting Machines

See also Specific Article Required

Allis-Chalmers Mfg. Co. (Saw Mill Eqpt.), Milwaukee, Wis.
See adv index at end of book
Ambler Saw Mfg. Co., Natick, Mass.
American Wood Working Machinery Co. ("Rogers," "Clement"), Rochester, N. Y.
Armstrong Mfg. Co., 2 2d, Portland, Ore.
Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Black Diamond Saw & Machine Works ("Only" "Black Diamond"), Natick, Mass.
Covel Mfg. Co., Benton Harbor, Mich.
Defiance Machine Works, Defiance, O.
Disston Henry & Sons (Revolving), Tacony, Phila., Pa.
Hanchett Swage Works ("Hanchett" Automatic), Big Rapids, Mich.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
New Britain Machine Co. ("Equal Blow"), 190 Chestnut, New Britain, Conn.
Wardwell Mfg. Co., 108 Hamilton av, Cleveland, O.
Wellman Products Co. ("Foley"), 1444 E 49th, Cleveland, O.

7722—Band Saw Patch Machines

Baldwin, Tuthill & Bolton ("Bolton"), Grand Rapids, Mich.

Band Saw Setting Machines

See Band Saw Filing & Setting Machines; also Saw Filing & Setting Machines; also Saw Sharpening Machines

Band Saw Sharpening Machines

See Saw Sharpening Machines

7723—Band Sawing Machines for Metal

Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Thompson H. G. & Son Co. ("Eureka"), New Haven, Conn.
Williamson H. C., 321 N Crawford av, Chicago, Ill.

7724—Band Sawing Machines for Wood

See also Band Re-Sawing Machines

Allis Chalmers Mfg. Co. (Horizontal), Milwaukee, Wis.
See adv index at end of book
American Sawmill Machinery Co., Hackettstown, N. J.
American Woodwkg. Machy Co., Rochester, N. Y.
Baker Wm. H. (Hand Power), Trenton, N. J.
Clark Bros. Co., Olean, N. Y.
Cordesman-Rechtin Co. (Scroll, etc.), Butler, Cincinnati, O.
Crescent Machine Co., Leetonia, O.
Defiance Machine Works, Defiance, O.
Fay J. & A. Egan Co., Cincinnati, O.
Gardner Machine Works, Gardner, Mass.
Garland M. Co., Bay City, Mich.
Gee Chas. E. ("Gee"), Lowell, Mass.
Hall & Brown Woodworking Machine Co., 1911 N Broadway, St. Louis, Mo.
Jones Superior Machine Co. ("Superior"), 1264 W North av, Chicago, Ill.
Kane & Roach, Syracuse, N. Y.
McDonough Mfg. Co., Eau Claire, Wis.
Mereen-Johnson Machy. Co., 4400 Lyndale av, Minneapolis, Minn.
Mershon W. B. & Co., Saginaw, Mich.
Newman Machine Co., Greensboro, N. C.
Oliver Machinery Co., Grand Rapids, Mich.
Parks Ball Bearing Machine Co., Knowlton & Fergus, Cincinnati, O.
Power L. & Co., 20 S 23d, Phila., Pa.
Root B. M. Co., York, Pa.
Silver Mfg. Co. ("Silver" Foot & Power), 256 Salem, O.
Smith H. B. Machine Co., Smithville, N. J.
Victory Mach. & Lbr. Co., Inc., Buffalo, N. Y
Wysong & Miles Co., Greensboro, N. C.
Yates P. B. Machine Co., Beloit, Wis.

7725—Band Sprue Sawing Machines

Brass Founders Supply Co. (For Brass Founders), Wilson av, Newark, N. J.

7726—Band & Rip Saw, Boring & Spoke Tenoning Machines (Combined)

Parks Ball Bearing Machine Co., Knowlton & Fergus, Cincinnati, O.
Sumner Iron Works, 41st & 3rd, Everett, Wash.

7727—Bandage (Surgeon's) Cutting Machines

Artos Engineering Co., 306 Milwaukee, Milwaukee, Wis.

7727a—*Banding Machines (Hub)

Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Williams, White & Co., 301 8th, Moline, Ill.

7727a1—Bar Bending Machines

Electric Welding Co., Benedam Trees bldg, Pittsburgh, Pa.
McKenna Co. ("McKenna" Hand & Power), 1853 E 38th, Cleveland, O.
Reinforced Concrete Co., St. Louis, Mo.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago
See adv index at end of book
Wallace Supplies Mfg. Co., 1312 Diversey Pkway, Chicago, Ill.

7727b—Bar Cutting Machines

Buffalo Forge Co. ("Buffalo"), 490 B'way, Buffalo, N. Y.
Electric Welding Co., Benedam Trees bldg, Pittsburgh, Pa.
Wallace Supplies Mfg. Co., 1312 Diversey Pkway Chicago, Ill.
Williams, White & Co., 301 8th, Moline, Ill.

Bar Drawing Machines

See Rod & Bar Drawing Machines

Bar Iron Cutting Machines

See Cutters, Iron, Bar & Rod

7728— Bar Pointing Machines

Brightman Mfg. Co., Columbus, O.
Vaughn Machinery Co., Cuyahoga Falls, O

7729—Bar Twisting Machines

(For Concrete Reinforcing Bars)

Lewis Foundry & Machine Co., Pittsburgh, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
United Engineering & Foundry Co., Farmers Bk. bldg, Pittsburgh, Pa.

7730—Bark Cutting Machines

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Turner Tanning Machinery Co. ("Turner" for Tanneries), Peabody, Mass.
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

7731— Barley Machinery

Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
BARTLETT & SNOW CO., C. O. (Pearled), 6350 Harvard av, Cleveland, O.
See adv index at end of book
Howes S. Co. Inc. ("Eureka" Cleaners, Graders, Scourers, Polishers, Clippers), Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor" Cleaners, Graders, Scourers, Polishers, Clippers), Silver Creek, N. Y.
McKain Mfg. Co., 921 N Main, Los Angeles, Cal.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Robinson Mfg. Co., Muncy, Pa.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Wolf Co., Chambersburg, Pa.

7731a—*Barley Pearling Machinery

BARTLETT & SNOW CO. C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book

7732—Barrel Hoop Driving Machines

Naughton & Weimar, 1900 E Westmoreland, Philadelphia, Pa.
Oram John S. Co. ("Oram's"), 1316 E 53d, Cleveland, Ohio
Strait H. N. Mfg. Co., Kansas City, Kansas

Barrel Hoop Machinery

See Hoop Machinery

7733—Barrel, Keg, Stave & Heading Machinery

See Also Specific Article Required

Acme Barrel Co., 2235 W Grand av, Chicago, Ill.
Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Chapman's T. M. Sons Co., Old Town, Me.
Clough & Witt Machine Co. (Slack Barrel & Keg only), 1740 Columbus rd, Cleveland, O.
Eureka Machine Co. (Coating Sprays, etc.), Cleveland, O.
Dix Chas. B., Glens Falls, N. Y.
Garland M. Co. (Stave & Heading Only), Bay City, Mich.
Gerlach Peter Co. (For Keys, Pails, Tubs & Slack & Tight Barrels, Crockery Casks & Tobacco Hogsheads), 1708 Columbus, Cleveland, O.
Goodspeed Machine Co. (Cylinder Stave Saws for Pail, Keg, Barrel, Tub, etc), Winchendon, Mass.
Holmes E. & B. Machinery Co., 59 Chicago, Buffalo, N. Y.
Lenker F. K. & Co. (Nail Keg.), Millersburg, Pa.
Mitts & Merrill, Saginaw, Mich.
Oram Jno. S. Co., 5240 Hamilton av, Cleveland, O.
Perkins & Co. ("Columbia" Heading Machines, etc), Grand Rapids, Mich.
Rochester Barrel Machine Works (Slack Barrel, etc), Rochester, N. Y.
Stamm Machine Works (Stave Rejointers, etc), Aurora, Ind.
Strait H. N. Mfg. Co., Kansas City, Kansas
Strange Chas. E., Taunton, Mass.
Trevor Mfg. Co. (Headings, Staves, etc), Lockport, N. Y.
Wheland Co. ("Standard" Stave Jointer for Slack Barrels; also Stave Bolt Equalizers, Stave Bolters, etc), W Side & 27th, Chattanooga, Tenn.

7734—Barrel Leveling Machines

Johnson T. Co. ("Champion"), 108 S La Salle, Chicago, Ill.
Oram Jno. S. Co., 5240 Hamilton av, Cleveland, O.

7735—Barrel Trussing Machines

Holmes E. & B. Machinery Co. (Upright Double End), 59 Chicago, Buffalo, N. Y.
Oram John S. Co., 5240 Hamilton av, Cleveland, O.

7736—Barrel Washing Machines

See also Keg Scrubbing Machines

Cleveland Brewers' Supply Co., 1506 W 25th, Cleveland, O.
Naughton & Weiner, 1900 E Westmoreland, Phila., Pa.
Zoller Chas. Co., 205 Prince, New York

7737— Basket Machinery

Horton Machine Works, Elmira, N. Y.
Merritt Mfg. Co., Lockport, N. Y.
Parsons Specialty & Machine Works (Fruit & Berry), 2427 No. 4th, Phila., Pa.
St. Joseph Iron Works (Also Package), St. Joseph, Mich.
Saranac Machine Co., Benton Harbor, Mich.
Titus E. E. (Automatic Power Quart Basket Stapling Machine), Petersburg, Va.

7737a— *Beading Machines

QUICKWORK CO., St. Marys, Ohio
See adv index at end of book

7738—Beading Machines (Eave Trough, Cornice, Etc.)

Canton Foundry & Machine Co. ("Universal"), Canton, O.
See adv index at end of book

7739—Beam Coping Machines

Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Wickes Bros., Saginaw, Mich.
See adv index at end of book
Williams, White & Co., 301 8th, Moline, Ill.

7740—Beam Straightening Machines

Kane & Roach, Niagara & Shonnard, Syracuse, N. Y.
Mackintosh-Hemphill Co., 12th & Etna, Pittsburgh, Pa.
Williams, White & Co., 301 8th, Moline, Ill.

7741-2—Beef & Bacon Slicing Machines

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

7743—Beet Sugar Machinery

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Safety Lamp & Mine Supply Co. (Mountings Only), 1327 Capouse av, Scranton, Pa.
American Tool & Machine Co. ("Weston" Centrifugals, Centrifugal Sprayers & Dischargers), 10 High, Boston, Mass.
Bartlett-Hayward Co., Scott & McHenry, Baltimore, Md.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Chain Belt Co., Milwaukee, Wis.
Dyer Co., 2031 Euclid av, Cleveland, O.
FABREEKA BELTING CO. (Fabreeka ideal belt for beet sugar machinery), 120 High, Boston, Mass.
See adv index at end of book
Honolulu Iron Works Co., 233 Broadway, New York
Joubert & Goslin Mach. & Fdry. Co. (Refining), 800 W 35th, Birmingham, Ala.
Kelvin Engng. Co., 106 Front, New York
Kilby Mfg. Co., 4623 Lakeside av, Cleveland, O.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Marshall Foundry Co., 28th & R. R., Pittsburgh, Pa.
Moline Plow Co. ("Moline"), Moline, Ill.
Phila. Coppersmithing Co., 818 N Front, Phila., Pa.
Stearns-Roger Mfg. Co., 1720 Calif., Denver, Colo.
Sugar Machinery Co., Higgins bldg, Los Angeles, Cal.
Wayte W. J. Inc., (Dirs.), 5844 Grand Central Terminal, New York
Webster Mfg. Co., 4500-60 Portland, Chicago, Ill. *See adv index at end of book*

7743a— Beet Sugar Conveying Machinery

Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
JEFFREY MFG. CO., 961 No. Fourth, Columbus, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Webster Mfg. Co., 4500-60 Portland, Chicago, Ill. *See adv index at end of book*

7744—Beet Washing & Slicing Machines

Kilby Mfg. Co., 4623 Lakeside av, Cleveland, O.
Stearns-Roger Mfg. Co., 1720 Calif., Denver, Colo.

7745— Beetle Machines

Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.

7746—Belt Chopping Machines

Turner Tanning Machinery Co. ("Turner"), Peabody, Mass.

7747—Belt Cutting Machines

Artos Engineering Co., 306 Milwaukee, Milwaukee, Wis.
Luther C. A. & Co., Pawtucket, R. I.

7748—Belt Finishing Machines

Newark Leather Machinery Co., Inc., 153 Frelinghuysen av, Newark, N. J.
Turner Tanning Machinery Co. ("Turner"), Peabody, Mass.

7749—Belt Folding Machines

Birmingham Iron Foundry, Derby, Conn.
Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn.
See adv index at end of book

7750—Belt Maker's Machinery

Birmingham Iron Foundry (For Rubber Belting, etc.), Derby, Conn.
Dennis Jno. Machine Co., Lowell, Mass.
Hercules Belt Lace Mfg. Co., 9 S Clinton, Chicago, Ill.
Manufacturers Belt Hook Co., 1321 W Congress, Chicago, Ill.
Newark Leather Machinery Co., Inc., (Belt Eye Trimming), 153 Frelinghuysen av, Newark, N. J.
Turner Tanning Machinery Co. ("Turner"), Peabody, Mass.

7751—Belt Sanding Machines

Curtis Machine Corp. ("Lucas" Panel, "Moore," "Jansen"), Jamestown, N. Y.
Kent Mfg. Co. ("Simplex," "Spiral," "Kent"), Faribault, Minn.
Klotz Machine Co., Sandusky, O.
Maddox Machine Co. (Horizontal & Edge), 63 Main, Jamestown, N. Y.
Mattison C. Machine Works, Rockford, Ill.
Porter-Cable Machine Co., The, 708 N Salina, Syracuse, N. Y.
See adv index at end of book
Redin, Eckerstrom & Co., 1439 Railroad av, Rockford, Ill.
See adv index at end of book
Wysong & Miles Co., Greensboro, N. C.
Yates P. B. Machine Co., Beloit, Wis.

7752—Belt Scarfing Machines

Turner Tanning Machinery Co. ("Turner"), Peabody, Mass.

7753—Belt Stitching Machinery

Singer Sewing Machine Co., 149 B'way, New York

7754—Belt Strapping Machines

Diamond Machine Co. ("Diamond"), Providence, R. I.

7755-6—Belt Stretching Machines

Holmes Chas. Leather Working Machinery Co., Cambridge, Mass.
Turner Tanning Machinery Co. ("Turner"), Peabody, Mass.

7757—Belt Stripping Machines

Turner Tanning Machinery Co. ("Turner"), Peabody, Mass.

7758— Bending Machines

Beatty Machine & Mfg. Co., Dept. H, Hammond, Ind.
Bethlehem Steel Co., South Bethlehem, Pa.
BLISS E. W. Co., 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Buffalo Forge Co. (Metal), 490 B'way, Buffalo, N. Y.
Chambersburg Engineering Co. (Axle Bar, etc), Chambersburg, Pa.
Cleveland Punch & Shear Works Co., 3917 St. Clair av, N E, Cleveland, O.
See adv index at end of book
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Dreis & Krump Mfg. Co., 7420 S Loomis, Chicago, Ill. *See adv index at end of book*
Excelsior Tool & Machine Co. (Angle, Iron, Circular), 32d & Ridge, E. St. Louis, Ill.
GALLAND-HENNING MFG. CO. (Beam & Angle), 26th av & Montana, Milwaukee, Wis.
See adv index at end of book
Garrison Brass & Machine Works, 107 W 13th, New York
Gordon Machinery & Mfg. Co., 1310 E 6th, Los Angeles, Cal.
Keystone Iron & Steel Kks., 37th & Santa Fe av, Los Angeles, Cal.
KLING BROS. ENGINEERING WORKS, 1300 N Kostner av, Chicago, Ill.
See adv index at end of book
Long & Allstatter Co. (Horizontal, etc., Double, Motor & Belt Driven), Hamilton, O.
See adv index at end of book
McKenna Co. (Bar, Coil & Stirrup), 1853 E 38th, Cleveland, O.
Niles-Bement-Pond Co. 111 Broadway, New York
See adv index at end of book
QUICKWORK CO., St. Marys, Ohio
See adv index at end of book
Ran Samuel (Fixture Tube Roller for Oval Tubing), 232 5th, San Francisco, Cal.
Robinson J. M. Mfg. Co. (¼-inch **Plates & Lighter, 3282 Spring Grove av, Cincinnati, O.**
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago
See adv index at end of book
SOUTHWARK FOUNDRY & MACHINE CO. (Beam & Angle, Hydraulic), 1123 S 4th, Phila., Pa.
See adv index at end of book
Wallace Supplies Mfg. Co., 1312 Diversey Pkway, Chicago, Ill.
Wells Frank L. Co. (For Brass & Iron Tubing), Kenosha, Wis.
Wickes Bros. (Plate & Angle, etc.), Saginaw, Mich.
See adv index at end of book
Williams, White & Co., 301 8th, Moline, Ill.

7759—Bending Machines (Hydraulic)

Chambersburg Engineering Co. (For Angles), Chambersburg, Pa.
Elmes Chas. F. Engng Wks., Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Morgan Engineering Co., Alliance, Ohio.
Niles-Bement-Pond Co., 111 Broadway, New York
See adv index at end of book
SOUTHWARK FOUNDRY & MACHINE CO., 1128 S 4th, Phila., Pa.
See adv index at end of book
WATSON-STILLMAN CO., 33 Church, New York *See adv index at end of book*
WOOD R. D. & CO. (Or Bulldozer), 400 Chestnut, Phila., Pa.

7760—Bending Machines (Splice)

Cleveland Frog & Crossing Co. (For Offsetting Splices), 6917 Bessemer av, Cleveland, O.

7761—Bending Machines (Tube)

Buffalo Forge Co. ("Automatic"), 490 B'way, Buffalo, N. Y.
Davis Bournonville Co., Van Wagner av, Jersey City, N. J.
Pipe Machinery Co. (Pipe), 930 E 70th, Cleveland, O.
Simmons Co., Kenosha, Wis.
Wallace Supplies Mfg. Co., 1312 Diversey Pkway, Chicago, Ill.
WATSON-STILLMAN CO., 38 Church, New York *See adv index at end of book*

Bending Machines (Wood)

See Wood Bending Machines

Bending & Forming Machines

See Forming & Bending Machines

7762— Berry Box Machinery

Titus E. E., Petersburg, Va.

7763-4—Bevel Gear Tempering Machines

GLEASON WORKS, 1000 University av, Rochester, N. Y.
See adv index at end of book

7765—Bevel Sawing Machines

Connell & Dengler Machine Co., Rochester, N. Y.
Johnson Safety Saw Works ("Speed Saw Table"), 20 Stillman, San Francisco, Cal.
See adv index at end of book

7766— Beveling Machines

Bethlehem Steel Co., Bethlehem, Pa.
Consolidated Mach. Tool Corp. of Amer. (Angle, Channel & Z Bar), Rochester, N. Y. *See adv index at end of book*
Royle Jno. & Sons (Inc.) (Photo Engravers'), Paterson, N. J.
Sheridan T. W. & C. B. Co. (Bookbinders, etc), 401 Broadway, New York
Southwark Foundry & Machine Co. (Shearing), 1128 S 4th, Phila., Pa.
See adv index at end of book

7767-8—Bias Fabric Strip Machinery

Adams A. L., 307 Center, Bridgeport, Conn.

7769— Bifurcating Machines

Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

7770-1—Billet Piercing Machines

Standard Engineering Co., Ellwood City, Pa.

Billing Machines

See Typewriters, Adding & Billing

7772—Binders' Board Machines

Noble & Wood Machine Co., Hoosick Falls, N. Y.

7773— Blanching Machines

Huntley Mfg. Co. ("Monitor" for All Fruits, Vegetables, Oysters, etc., Silver Creek, N. Y.
Premier Machinery Co., Oakland, Cal.

7774—Blast Furnace Machinery

See also Rolling Mill Machinery

Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Morgan Engineering Co., Alliance, Ohio.
Weimer Machine Works Co., Lebanon, Pa.
Youngstown Engineering Co., Youngstown, Ohio

7775—Blast Hole Drilling Machines

American Well Works, Aurora, Ill.
See adv index at end of book
Armstrong Mfg. Co., Waterloo, Ia.
Keystone Driller Co., Beaver Falls, Pa.
See adv index at end of book
Sanderson-Cyclone Drill Co., Orrville, O.

7776-7— Blasting Machines

Atlas Powder Co. ("Atlas"), Wilmington, Del.
California Cap Co., 1540H San Pablo av, Oakland, Cal.
DU PONT E. I. DE NEMOURS & CO., INC. Explosives & Smokeless Powder Depts. ("Du Pont." See Adv at Explosives), Wilmington, Del.
See adv index at end of book
Fidelity Electric Co., 330 N Arch, Lancaster, Pa.
Giant Powder Co., Cons., San Francisco, Cal.
Hercules Powder Co. ("Hercules"), Wilmington, Del.

7778— Blending Machines

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Barnard & Leas Mfg. Co., Moline, Ill.
Gump B. F. & Co., 431 S Clinton, Chicago, Ill.
Huntley Mfg. Co. ("Monitor" for Coffee), Silver Creek, N. Y.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Wolf Co., Chambersburg, Pa.

7779—Blind Slat Crimping Machines

Hall & Brown Woodworking Machine Co. (Blind Slat Tenoning & Boring Machines, etc.), 1911 N B'way, St. Louis, Mo.

7780—Blind Slat Sawing Machines

American Woodworking Machinery Co., Rochester, N. Y.
Fay J. A. & Egan Co., Cincinnati, O.

7781—Blind Wiring Machines

American Woodworking Machinery Co., Rochester, N. Y.
Fay J. A. & Egan Co., Cincinnati, O.
Smith H. B. Machine Co., Smithville, N. J.

Blue Printing Machines

For Classification number see Index of Contents

7782—Boat Unloading Machinery

Bartlett & Snow Co., C. O. (For Unloading Coal, Ore, etc.), 6350 Harvard av, Cleveland, O.
See adv index at end of book
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
LINK-BELT COMPANY, (For Unloading Coal, etc), 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, O.

Bobbin Machinery

See Spool & Bobbin Machinery

7783—Boiler Cap Reseating Machines

Lagonda Mfg. Co., Springfield, O.

7784—Boiler Flue Safe Ending Machines

Federal Electric Welder Co., Warren, O.

Boiler Head Flanging Machines

See Flanging Machines

7785—Bolt Cutting Machines

Acme Machinery Co., 4533 St. Clair av, Cleveland, O.
Brown H. B. Co. ("Merriman"), East Hampton, Conn.
Landis Machine Co., Waynesboro, Pa.
Manning Maxwell & Moore, Inc., 100 E 42nd, New York
See adv index at end of book
Mummert, Dixon Co. ("Plurality" Die Bolt), Hanover, Pa.
National Machinery Co., Tiffin, O.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Universal Machine Co. ("Standard," Single & Double Head), Bowling Green, O.
Webster & Perks Tool Co., Springfield, O.
Williams Tool Co. ("Reliance"), Erie, Pa.

7786—Bolt Forging Machines

Acme Machinery Co., 4533 St. Clair av, Cleveland, O.
Howard Iron Works, Buffalo, N. Y.
Manning Maxwell & Moore, Inc., 100 E 42nd, New York
See adv index at end of book
Pawtucket Mfg. Co. (Hexagon & Square Head), Pawtucket, R. I.
Williams, White & Co., 301 8th, Moline, Ill.

7787—Bolt Head Trimming Machines

BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Manville E. J. Machine Co. (Automatic), Waterbury, Conn.
Pawtucket Mfg. Co. (Automatic), Pawtucket, R. I.

7788—Bolt Heading Machines

Acme Machinery Co., 4533 St. Clair av, Cleveland, O.
Ajax Mfg. Co. (Automatic Feed), 3830 Lakeside av, Cleveland, O.
Brown H. B. Co., East Hampton, Conn.
Cook Asa S. Co. (For Stove & Tire Bolts, etc), Hartford, Conn.
Howard Iron Works ("Burdict" for Hex. Square & Carriage Bolts), Buffalo, N. Y.
Manville E. J. Machine Co. (For Cold Bolt Making), Waterbury, Conn.
National Machinery Co., Tiffin, O.
New Doty Mfg. Co., Janesville, Wis.
Noyes B. B. Co. ("Noyes"), Greenfield, Mass.
Williams, White & Co., 301 8th, Moline, Ill.

7789—Bolt Pointing Machines

Acme Machinery Co., 4533 St. Clair av, Cleveland, O.
Brown H. B. Co., East Hampton, Conn.
Howard Iron Works, Buffalo, N. Y.
National Machinery Co., Tiffin, O.
Pawtucket Mfg. Co., Pawtucket, R. I.

Bolt Tapping Machines

See Nut Tapping Machines

7790-1—Bolt Threading Machines

Alton International Industries, 118 Wil- Cleveland, O.
Baush Machine Tool Co., 156 Wason av, Springfield, Mass.
Bethlehem Steel Co., Bethlehem, Pa.
Brown H. B. Co. ("Merriman Automatic & Non-Automatic, Single or Double Spindle), East Hampton, Conn.
Consolidated Machine Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Cook Asa S. Co. (For Cap Screws; also for Stove & Tire Bolts, etc), Hartford, Conn.
Greenfield Tap & Die Corp. ("G. T. D." for Hand & Power, also Automatic Die Head Bolt Threaders), Greenfield, Mass.
Landis Machine Co. ("Landis"), Waynesboro, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Standard Engineering Co., Ellwood City, Pa.
Universal Machine Co., Bowling Green, O.
Williams Tool Co. ("Reliance"), Erie, Pa.

7792—Bolt Upsetting Machines

Acme Machinery Co., 4533 St. Clair av, Cleveland, O.
Ajax Mfg. Co., 3830 Lakeside av, Cleveland, O.
National Machinery Co., Tiffin, O.
Pawtucket Mfg. Co., Pawtucket, R. I.
Williams, White & Co., 301 8th, Moline, Ill.

7793— Bolt & Nut Machinery

Acme Machinery Co., 4533 St. Clair av, Cleveland, O.
Ajax Mfg. Co., 3830 Lakeside av, Cleveland, O.
Brown H. B. Co., East Hampton, Conn.
Budd & Ranney Engineering Co. ("Budd-Ranney"), Chestnut & Water, Columbus, O.
Greenfield Tap & Die Corp. ("G. T. D."), Greenfield, Mass.
Howard Iron Works, Buffalo, N. Y.
Landis Machine Co., Waynesboro, Pa.
Manning Maxwell & Moore, Inc., 100 E 42nd, New York
See adv index at end of book
National Machinery Co., Tiffin, O.
Pawtucket Mfg. Co., Pawtucket, R. I.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Williams, White & Co., 301 8th, Moline, Ill.

7794—Bolt & Nut Threading Machines

Greenfield Tap & Die Corp. ("G. T. D."), Greenfield, Mass.
Heltzel Steel Form & Iron Co. The, Warren, O.
See adv index at end of book
Landis Machine Co., Waynesboro, Pa.
Moon Mach. Co., Muncie, Ind.

7795— Bolting Machines

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Allis-Chalmers Mfg. Co. (Flour Mill), Milwaukee, Wis.
See adv index at end of book
Barnard & Leas Mfg. Co. ("Plansifts" Flour, Corn, Meal, etc), 403 20th, Moline, Ill.
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Great Western Mfg. Co. (For Flour & Corn Mills), Leavenworth, Kansas
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
House Cold Tire Setter Co. ("Reynolds" Tire), 4143 Laclede av, St. Louis, Mo
Nordyke & Marmon Co. (For Flour, Meal & Special Products), Kentucky av & Morris, Indianapolis, Ind.

(Continued on following page)

Bolting Machines—Continued

Robinson H. Mfg. Co., Muncy, Pa.
Ross Charles & Son Co., 148 Classon av, Brooklyn, N. Y.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Wolf Co., Chambersburg, Pa.

7796—Bolting Saw Machines

Allis-Chalmers Mfg. Co. (Sawmill), Milwaukee, Wis. *See adv index at end of book*
Defiance Machine Works, Defiance, O.
Gerlach Peter Co. (Hand & Power Feed), 1708 Columbus, Cleveland, O.
Ober Mfg. Co., Chagrin Falls, O.
Portland Iron Works, 495 Northrup, Portland, Ore.
Taylor Iron Works & Supply Co., 1014 B'way, Macon, Ga.
Western Foundry Co. ("Peterman"), 626 Hood, Portland, Ore.

7797—Bone Washing Machines

Allbright-Nell Co. (For Packing Houses, etc.), 5215 Western av, Chicago, Ill.

7798—Book Backing Machines

Hickok W. O. Mfg. Co., Harrisburg, Pa.
Latham Machinery Co. ("Sanborn"), 1153 Fulton, Chicago, Ill.

7799—Book Binders' Cloth Cutting Machines

Smyth Mfg. Co., 9 Sigourney, Hartford, Conn.

7800—Book Binders' Machinery

Anderson C. F. & Co., 710 S Clark, Chicago, Ill.
Blackhall Mfg. Co., 196 Seneca, Buffalo, N. Y.
Brown R. H. & Co., 198H Brown, West Haven, Conn.
Burton A. G. Son ("Peerless"), 118 S Clinton, Chicago, Ill.
Goat Fred Co., 314 Dean, Brooklyn, N. Y.
Crawley Book Machinery Co., Newport, Ky.
Dexter Folder Co., 28 W 23rd, New York
Fuller E. C. Co., 28 Reade, New York
Goat Fred Co. (Rounding & Backing Machines), 10 Reade, New York
Hickok W. O. Mfg. Co., Harrisburg, Pa.
Hoole Machine & Engraving Works, 20 Prospect, Brooklyn, N. Y.
Jacques Jno. & Son, 93 Webster, Worcester, Mass.
Lange Henry G., 162 N May, Chicago, Ill.
Latham Machinery Co. ("Monitor"), 1153 Fulton, Chicago, Ill.
McBee Binder Co., Athens, Ohio
Marshall Son & Co., 226 Purchase, Boston, Mass.
Robinson Jno. T. Co., Hyde Park, Mass.
Rosback F. P. Co., Benton Harbor, Mich.
Seybold Machine Co. (Compressors & Standing Presses), Dayton, O.
Sheridan T. W. & C. B. Co., 401 B'way, New York
Sigourney Tool Co., Hartford, Conn.
Smyth Mfg. Co., 9 Sigourney, Hartford, Conn.
Standard Machinery Co., Mystic, Conn.
Ziegler Rob't & Sons, St. Louis, Mo.

7801—Book Casing-in Machines

Smyth Mfg. Co., 9 Sigourney, Hartford, Conn.

7802-3—Book Covering Machines

Sheridan T. W. & C. B. Co., 401 B'way, New York

7804—Book Gluing Machines

Smyth Mfg. Co., 9 Sigourney, Hartford, Conn.
Westervelt J. W. & Co., 198 William, New York

7805—Book Indexing Machines

Latham Machinery Co., 1153 Fulton, Chicago, Ill.

7805a— Bookkeeping Machines

Burroughs Adding Mach. Co., 350 E Congress, Detroit, Mich.
Elliott-Fisher Co. ("Elliott-Fisher" Accounting, Billing & Recording), S Cameron, Harrisburg, Pa.
Felt & Tarrant Mfg. Co., 1717 N Paulina, Chicago, Ill.

7806—Book Sawing Machines

Hickok W. O. Mfg. Co., Harrisburg, Pa.

7807—Book Sewing Machines

Sigourney Tool Co., Hartford, Conn.
Smyth Mfg. Co., 9 Sigourney, Hartford, Conn.

Book Stitching Machinery

See Wire Stitching Machines

7808—Book Trimming Machines

Rowe James (Automatic), 1058 W Harrison, Chicago, Ill.
Smyth Mfg. Co., 9 Sigourney, Hartford, Conn.

Boot Machinery

See Shoe Machinery

7809—Boring, Drilling, Tapping & Milling Machines

Cleveland Machine Tool Co., Cleveland, Ohio
Cleveland Milling Mach. Co., 18521 Euclid av, Cleveland, O.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Sommer & Adams Co., 18511 Euclid av, Cleveland, O.

7810—Boring, Drilling & Milling Machines (Combined)

American Woodworking Machinery Co., Rochester, N. Y.
Bethlehem Steel Co., Bethlehem, Pa.
Blomquist-Eck Machine Co., 1146 E 152nd, Cleveland, O.
Cleveland Machine Tool Co., Cleveland, O.
Cleveland Milling Mach. Co., 18521 Euclid av, Cleveland, O.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
HARNISCHFEGER CORP., Milwaukee, Wis.
See adv index at end of book
Landis Tool Co., Waynesboro, Pa.
Lucas Machine Tool Co., 542 E 99th, Cleveland, O.
NILES-BEMENT-POND CO., 111 B'way, New York *See adv index at end of book*
Simmons Machine Co. (Inc.), 987 B'way, Albany, N. Y.
Sommer & Adams Co., 18511 Euclid av, Cleveland, O.
Universal Boring Machine Co., Hudson, Mass.

7811—Boring, Drilling & Tapping Machines (Combined)

Hoefer Mfg. Co., Freeport, Ill.
Rockford Drilling Machine Co. ("Rockford" Horizonthal), Rockford, Ill.
Simmons Machine Co. (Inc.), 987 B'way, Albany, N. Y.
Western Machine Tool Works, Holland, Mich.

Boring Machines

See Metal Boring Machines; also Wood Boring Machines; also Pneumatic Boring Machines

7812—Boring Machines (Barrel)

Strait H. N. Mfg. Co. (For Boring Holes in Barrels), Kansas City, Kans.

7813—Boring Machines (Bracket)

Coates Clipper Mfg. Co. ("Coates"), Worcester, Mass.

7814—Boring Machines (Car Box)

Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*
Pittsburgh Machine Tool Co., Braddock, Pa.
Simmons Machine Co. (Inc.), 987 B'way, Albany, N. Y.

7815—Boring Machines (Car Wheel)

Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Manning, Maxwell & Moore, Inc., 100 E 42nd, New York
See adv index at end of book
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*
Sellers Wm. & Co. (Inc.), 1600 Hamilton, Phila., Pa.

7816-7—Boring Machines (Condenser Head)

Beaman & Smith Co., Providence, R. I.

7818—Boring Machines (Cylinder)

Automatic Machine Co., 113 E Washington (Four Spindle Boring & Surfacing, etc), Bridgeport, Conn.
Baker Bros. (1, 2, 4 & 6 Spindle), Toledo, O.
Barrett Machine Tool Co., ("Barrett"), Meadville, Pa.
Beaman & Smith Co., Providence, R. I.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Foote-Burt Co., 13000 St. Clair av, Cleveland, O.
Hoefer Mfg. Co., Freeport, Ill.
Jones W. A. Foundry & Machine Co., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book
Mathews Hugh (Portable Re-Boring Bars), 433 W 5th, Kansas City, Mo.
Moline Tool Co., Moline, Ill.
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*
Rattler Boring Bar Co. (Re-Boring), 1944 1st av S, Seattle, Wash.
Rooksby E. J. & Co. (Portable), 1055 Hamilton, Phila., Pa.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
Simmons Machine Co. (Inc.), 987 B'way, Albany, N. Y.
Stowe Flexible Shaft Co. (Portable), 26th & Callowhill, Phila., Pa.
Underwood H. B. Corp. (Portable), 1035 Hamilton, Phila., Pa.

7819—Boring Machines (Cylinder & Valve Chamber)

Consolidated Mach. Tool Corp. of Amer. Rochester, N. Y.
See adv index at end of book

7820—Boring Machines for Electric Wiring

Bowlus Mfg. Co. (Chain Drive), Springfield, O.
Henderson Electric Co. (Joist), Charlottesville, Va.

7821—Boring Machines (Hand)

Hardware Specialty Mfg. Co. ("Boss" Two-Speed), Anderson, Ind.
Millers Falls Co., Dept. H, Millers Falls, Mass.
Snell Mfg. Co. ("Snell," Angular & Upright), Fiskdale, Mass.
Swan Jas. Co. (Wood Frame for Wood) Seymour, Conn.

7821a—Boring Machines (Horizontal & Vertical)

Root B. M. Co., York, Pa.
Simmons Machine Co. (Inc.), 987 B'way, Albany, N. Y.
Wenzell S. S. Machine Co. ("Eick" & "Ideal"), 50th & Parkside av, Phila., Pa.
York Milk Machy. Co., York, Pa.

7822—Boring Machines (Hub)

Abbott & Co. ("Little Giant"), Hudson, Mich.
Brecht Co., 1201 Cass av, St. Louis, Mo.
Defiance Machine Works, Defiance, O.
Kane & Roach, Syracuse, N. Y.
Silver Mfg. Co. ("Silver"), Box 256, Salem, Ohio
Smith Philip Mfg. Co., Sidney, O.

7822a—Boring Machines (Jig)

Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book

7823—Boring Machines (Locomotive Connecting Rod)

Baker Bros., Toledo, O.
Consolidated Machine Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*

7824—Boring Machines (Metal)

See also Boring & Turning Machines; also Boring & Drilling Machines, Horizontal

Baker Bros., Toledo, O.
Barrett Machine Tool Co. ("Barrett" Cylinder), Meadville, Pa.
Baush Machine Tool Co., Springfield, Mass.
Beaman & Smith Co., Providence, R. I.
Consolidated Mach. Tool Corp. of Amer. Rochester, N. Y.
See adv index at end of book
Gardam Wm. & Son, 114 Park pl, New York
Gisholt Machine Co., Madison, Wis.
See adv index at end of book
Harnischfeger Corp., Milwaukee, Wis.
Lucas Machine Tool Co., 524 E 99th, Cleveland, O.
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*
Ryerson Joseph T. & Son, 2558 W 16th, Chicago Ill. *See adv index at end of book*
Sellers Wm. & Co., 1600 Hamilton, Philadelphia, Pa.
Termaat & Monahan Mfg. Co. (Horizontal), Oshkosh, Wis.
Warner & Syasey Co., 5809 Carnegie av, Cleveland, O.

7825—Boring Machines (Metal, Horizontal)

Harnischfeger Corp., Milwaukee, Wis.
See adv index at end of book
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*
Rockford Drilling Machine Co., Rockford, Ill.

Boring Machines (Metal, Vertical)

See Boring & Drilling Machines, Horizontal

7826—Boring Machines (Mower & Reaper Frame)

Beaman & Smith Co., Providence, R. I.

7827—Boring Machines (Portable)

Alliance Supply Mfg. Co., Alliance, Ohio
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*
Oil Well Supply Co. (Oil Well), 215 Water, Pittsburgh, Pa.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill.
See adv index at end of book
Stow Mfg. Co. Inc., Binghamton, N. Y.
See adv index at end of book
Stowe Flexible Shaft Co., 26th & Callowhill, Phila., Pa.

7828-30—Boring Machines (Rod)

Consolidated Mach. Tool Corp. of Amer. ("Duplex"), Rochester, N. Y.
See adv index at end of book

Boring Machines (Wood)

See Wood Boring Machines
Also Wood Boring Machines, Multiple

Boring Machines (Wood Pipe)

See Wood Pipe Boring Machines

7831—Boring & Chucking Machines (Vertical)

MANNING MAXWELL & MOORE, INC., 100 E 42nd, New York
See adv index at end of book
Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.
Turner Machine Co. ("Turner-Turret" Drills, Reams, Taps & Bores), Danbury, Conn.

7832—Boring & Drilling Machines (Horizontal)

See also Boring Machines, Metal

Barnes W. F. & John Co., Rockford, Ill.
Beaman & Smith Co., Providence, R. I.
Cleveland Machine Tool Co. (& Milling), Cleveland, O.
Cleveland Milling Mach. Co., 18521 Euclid av, Cleveland, O.
Consolidated Mach. Tool Corp. of Amer. Rochester, N. Y.
See adv index at end of book
Espen Lucas Mach. Wks., Girard av, & Front, Phila., Pa.
Gisholt Machine Co., Madison, Wis.
Harnischfeger Corp., Milwaukee, Wis.
See adv index at end of book
Hoefer Mfg. Co. (Also Horizontal & Vertical Combined 60 Inch Swing, 4 to 4½ Inch Bar), Freeport, Ill.
Jones Machine Tool Works, 53d & Lansdowne av, Phila., Pa.
Landis Tool Co., Waynesboro, Pa.
Lucas Machine Tool Co., 524 E 9th, Cleveland, O.
Milwaukee Electric Crane & Mfg. Co. ("Milwaukee"), 60th & Greenfield), Milwaukee, Wis.
Moline Tool Co., Moline, Ill.
Morris Mach. Tool Co., Court & Harriet, Cincinnati, O.
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*
Rockford Drilling Machine Co., Rockford, Ill.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill.
See adv index at end of book
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
Simmons Machine Co. (Inc.), 987 B'way, Albany, N. Y.
Sommer & Adams Co., 18511 Euclid av, Cleveland, O.
Warner & Swasey Co., 5809 Carnegie av, Cleveland, O.

7833—Boring & Milling Machines (Horizontal)

Cleveland Milling Mach. Co., 18521 Euclid av, Cleveland, O.
Consolidated Mach. Tool Corp. of Amer. Rochester, N. Y.
See adv index at end of book
Harnischfeger Corp., Milwaukee, Wis.
See adv index at end of book
Jones Machine Tool Works, 53d & Lansdowne av, Phila., Pa.
Landis Tool Co., Waynesboro, Pa.
Lucas Machine Tool Co., 524 E 99th, Cleveland, O.
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill.
See adv index at end of book
Sommer & Adams Co., 18511 Euclid av, Cleveland, O.
Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.
Universal Boring Machine Co., Hudson, Mass.

7834—Boring & Reaming Machines

Baker Bros. (Automatic), Toledo, O.

7835—Boring & Tapping Machines (Automatic)

Baker Bros., Toledo, O.
Dreses Machine Tool Co. (Boring, Facing & Tapping), Cincinnati, O.

7836—Boring & Turning Machines

Amalgamated Machinery Corp'n, 72 W Adams, Chicago, Ill.
Bullard Machine Tool Co. ("Mult-Au-Matic"), Brewster & Canfield, Bridgeport, Conn.
CONSOLIDATED MACH. TOOL CORP. OF AMER., Rochester, N. Y.
See adv index at end of book
Jones Machine Tool Works, 53d & Lansdown av, Phila., Pa.
King Machine Tool Co. (Vertical, 42, 52, 62 & 72-inch Size), Clifton & B. & O. S. W. R. R., Cincinnati, O.
MANNING MAXWELL & MOORE INC. (Boring Mills), 100 E 42nd, New York
See adv index at end of book
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*
Rogers Machine Tool Co., Alfred, N. Y.
Seeger Machine Tool Co., 34 Forsyth, Atlanta, Ga.
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
Warner & Swasey Co., 5809 Carnegie av, Cleveland, O.
Yates P. B. Machine Co., Beloit, Wis.

7837—Boring & Turning Machines (Vertical)

Baker Bros., Toledo, O.
Baush Machine Tool Co., Springfield, Mass.
Bickford H. & Co. ("Bickford"), Lakeport, N. H.
Bullard Machine Tool Co. ("Maxi-Mill"), Brewster & Canfield, Bridgeport, Conn.
CINCINNATI PLANER CO., 3120 South, Oakley, Cincinnati, Ohio
Cleveland Mach. Tool Co., 18511 Euclid av, Cleveland, O.
Consolidated Mach. Tool Corp. of Amer. (5 to 20 ft. swing), Rochester, N. Y.
See adv index at end of book
Gisholt Machine Co. (30 to 84 inch), Madison, Wis.
Jones Machine Tool Works, 53d & Lansdowne av, Phila., Pa.
King Machine Co. (42, 50, 60 & 72 inch Size), Clifton av & B. & O. S. W. R. R., Cincinnati, O.
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*
Rogers Machine Tool Co., Alfred, N. Y.
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.

7838—Bottle Blowing Machines

Cox & Sons Co., 5th & Chestnut, Phila., Pa.
Husted-Hall Mould Works, Bridgeton, N. J.
Lynch Glass Machy. Co. ("No-Boy," "Lynch"), Anderson, Ind.
Owens Bottle Co. (Automatic), Toledo, O.
Teeple W. S., Wellsburg, W. Va.
United Bottle Mach'y Co. (For Narrow Mouth Bottles), 90 W B'way, New York

7839-40—Bottle Box Boring Machines

Chase Turbine Mfg. Co., Orange, Mass.

7841—Bottle Capping Machines

Adriance Machine Works, 80 Richards, Brooklyn, N. Y.
American Bottle Cap Co., 429 Westlake av N, Seattle, Wash.
Bottle Capping Mach. Co. (Electric), 42 Bond, New York
Creamery Package Mfg. Co. ("Auto"), 61 W Kinzie, Chicago, Ill.
Crown Cork & Seal Co., 1511 Guilford av, Baltimore, Md.
Davis-Watkins Dairymen's Mfg. o., North Chicago, Ill.
Ideal Mfg. Co., Kewanee, Ill.
Modern Machinery Co., Wilmington, Del.
Premier Machinery Co., 310 Sansome, San Francisco, Cal.
See adv index at end of book
Redlich Mfg. Co., 637-647 W Oak, Chicago, Ill.
Rice & Adams (Milk), Buffalo, N. Y.
Smith & Hemenway Co., Inc., 261 H Broadway, New York, & 130 H Coit, Irving, N. J.
See adv index at end of book
Standard Automatic Machine Co., 160H Clinton, Rochester, N. Y.
U. S. Bottlers' Machinery Co. ("U. S." Automatic, Rotary Spinning, Electric & Hydraulic, Hand, for Tin Foil, Cans), 4015 N Rockwell, Chicago, Ill.

7842—Bottle Corking Machines

See also Bottle Capping Machines

Dicke Tool Co. (Bench & Upright), Downers Grove, Ill.
Ermold Edw. Co. ("Ermold," Automatic Steam), 656 Hudson, New York
Modern Machinery Co., Wilmington, Del.
Premier Machinery Co., 310 Sansome, San Francisco, Cal.
See adv index at end of book
Smith & Hemenway Co., Inc., 261 H Broadway, New York, & 130 H Coit, Irving, N. J.
See adv index at end of book
Standard Automatic Machine Co. (Filling, Corking & Labeling), Rochester, N. Y.
U. S. Bottlers' Machinery Co. ("Milwaukee," "U. S.," "New York" Automatic; "Daisy" Bench Hand), 4015 N Rockwell, Chicago, Ill.
VILTER MFG. CO. (Power Corkers for Catsup, Pickles, Olives, etc.), 1046 Clinton, Milwaukee, Wis.
See adv index at end of book

7843—Bottle Filling Machines (Automatic)

Bishop & Babcock Co. ("Eureka" Counter Pressure Revolving), 1294 E 55th, Cleveland, O.
Buffalo Can & Bottle Filling Mach. Co., 308 Terrace, New York
Edson Mfg. Corp. ("Edson"), 375H B'way, Boston, Mass.
Federal Brass Works ("Success"), 3100 S Kedzie, Chicago, Ill.
Henes & Keller Co., Menominee, Mich.
Illinois Glass Co. ("Diamond I"), Dept. H, Alton, Ill.
Kiefer Karl Machine Co., 919 Martin, Cincinnati, Ohio
Liquid Carbonic Co., 3100 S Kedzie av, Chicago, Ill.
McKenna Brass & Mfg. Co., 1st av & Ross, Pittsburgh, Pa.
Mohan & Co., Inc., 44 E 23rd, New York
Premier Machinery Co., 310 Sansome, San Francisco, Cal.
See adv index at end of book
Rice & Adams (Milk), Buffalo, N. Y.
Standard Automatic Machine Co. (Filling & Corking, Filling & Screw Capping), Rochester, N. Y.
U. S. Bottlers' Machinery Co. ("Perfection," "U. S.," Improved Louisville "Whitton" Hand), 4015 N Rockwell, Chicago, Ill.

7843a—Bottle Labeling Machines

ECONOMIC MACHINERY CO., 18 Grafton, Worcester, Mass.
See adv index at end of book

7844—Bottle Rinsing Machines

Meyer Geo. J. Mfg. Co. ("Meyerbilt"), 598 Clinton, Milwaukee, Wis.
Mohan & Co., Inc., 44 E 23rd, New York
Premier Machinery Co., 310 Sansome, San Francisco, Cal.
See adv index at end of book
U. S. Bottlers' Machinery Co. ("U. S."), 4015 N Rockwell, Chicago, Ill.
Wenzell S. S. Machine Co. ("Eick" & "Ideal"), 5000 Parkside, Phila., Pa.
York Milk Machy. Co., York, Pa.

7845—Bottle Sealing Machines

Crown Cork & Seal Co., 1511 Guilford av, Baltimore, Md.
Gutmann Ferdinand Co., 134 W 29th, New York
Modern Machinery Co., Wilmington, Del.
Mohan & Co., Inc., 44 E 23rd, New York
Premier Machinery Co., 310 Sansome, San Francisco, Cal.
See adv index at end of book
Standard Automatic Machine Co., Rochester, N. Y.
Sterling Cork & Seal Co., Hawthorne, Toledo, Ohio

7846-7—Bottle Washing & Soaking Machines

Arrow Bottlers Machinery Co. (Rotary), 1536 W Adams, Chicago, Ill.
Bailey Engine Co., Lima, N. Y.
Barry-Wehmiller Machinery Co. ("National"), 4660 Florissant, St. Louis, Mo.
Berg Machine Works ("Berg Universal" for Milk Bottles), 1123 S Los Angeles, Los Angeles, Cal.
Burrell D. H. & Co., Inc., Little Falls, N. Y.
Creamery Package Mfg. Co. ("Acme"), 61 W Kinzie, Chicago, Ill.
Gallagher Mfg. Co., Lynn, Mass.
Henes & Keller Co. (Revolving), Menominee, Mich.
Hoyt Bros. & Co., Lynn, Mass.
Kiefer Karl Machine Co., 919 Martin, Cincinnati, O.
Loew Mfg. Co. ("Economic," "Hydropressure" & "Rotary Hydros" Soaker), 9100 Madison av N W, Cleveland, O.

(Continued on following page)

Bottle Washing & Soaking Machines—Continued

Magnus A. Sons Co., 327 W. Randolph, Chicago, Ill.
Meyer Geo. J. Mfg. Co. ("Dunmore" "Progressive" "Simplex" "Meyerbilt"), 598 Clinton, Milwaukee, Wis.
Modern Machinery Co., Wilmington, Del.
Mohan & Co., Inc., 44 E 23rd, New York
Premier Machinery Co. (Washers & Sterilizers), 310 Sansome, San Francisco, Cal.
See adv index at end of book
Rice & Adams (Milk), Buffalo, N. Y.
Stokes F. J. Machine Co., 6138 Tabor, Phila., Pa.
20th Century Machinery Co., Nat'l Bank bldg, Milwaukee, Wis.
U. S. Bottlers' Machinery Co. ("U. S.," "Electrical"), 2511 Park av, Chicago, Ill.
Wenzell S. S. Machine Co. ("Eick" & "Ideal"), 5000 Parkside, Phila., Pa.
York Milk Machinery Co. (Milk), York, Pa.

7848-9—Bottlers' Machinery & Supplies

See also Brewers' & Malsters' Machinery & Supplies; also Plitching Machines
American Soda Fountain Co., 232 Congress, Boston, Mass.
Barry-Wehmiller Machinery Co., 4660 Florissant, St. Louis, Mo.
Bernardin Bottle Cap Co. (Metallic Bottle Caps, "Cyclone" Soda Neck Wires & Beer Stoppers), 31 1st av, Evansville, Ind.
Bishop & Babcock Co. ("Eureka" Low Pressure Bottling Machines, etc), 1204 E 55th, Cleveland, O.
Blue Seal Supply Co., 12 Port, Boston, Mass.
Buddle & Westermann, 7th av & 29th, New York
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Crown Cork & Seal Co., 1511 Guilford av, Baltimore, Md.
Eick Otto Mfg. Co., 3231 S B'way, St. Louis, Mo.
FABREEKA BELTING CO. (Waterproof Belting), 120 High, Boston, Mass.
See adv index at end of book
Federal Brass Works, 3100 S Kedzie, Chicago, Ill.
Frankel Max Co. (Bottlers' Supplies, Corks, etc), 208 Pearl, New York
Henes & Keller Co. (Bottle Fillers, Air Regulators, etc), Menominee, Mich.
Kiefer Karl Machine Co., 919 Martin, Cincinnati, O.
Klemm & Co., 1364 Grand av, Chicago, Ill.
Ladewig & Stock Co. (Soaking Machines, Outside Bottle Scrubbers, Hydro Pneumatic Internal Washers, Bottle Solution, Conveyors, Combination Solution, Rinsers & Conveyors, Pasteurizers), Waukesha, Wis.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Magnus A. Sons Co., 327 W Randolph, Chicago, Ill.
Meyer Geo. J. Mfg. Co. ("Meyerbilt"), 598 Clinton, Milwaukee, Wis.
Modern Machinery Co., Wilmington, Del.
U. S. Bottlers' Machinery Co. ("U. S."), 4015 N Rockwell, Chicago, Ill.
Webster Mfg. Co., 4500-60 Cortlandt, Chicago, I.. *See adv index at end of book*
Wittemann Bros. (Specialties), 41 Ferris, Brooklyn, N. Y.
Zoller Chas. Co., 205 Prince, New York

7850—Box Board Grooving Machines

Chase Turbine Mfg. Co. (Automatic), Orange, Mass.
Mereen-Johnson Machy. Co., 4400 Lyndale av, Minneapolis, Minn.
Morgan Machine Co., Rochester, N. Y.
Pollard C. A. Co., Newfields, N. H.

7851— Box Board Machines

Beloit Iron Works, Beloit, Wis.
Carver Cotton Gin Co., East Bridgewater, Mass.
Challoner Co., Oshkosh, Wis.
Gerlach Peter Co. ("Jumbo"), 1712 Winter, Cleveland, O.
Linderman Steel & Machine Co., Muskegon, Mich.
Mereen-Johnson Machy. Co., 4400 Lyndale av, Minneapolis, Minn.
Moore & White Co., N 15th & Lehigh av, Phila., Pa.
Murray D. J. Mfg. Co., Wausau, Wis.
Yates P. B. Machine Co., Beloit, Wis.

7852—Box Board Matching Machines

American Woodworking Machinery Co., Rochester, N. Y.
Chase Turbine Mfg. Co., Orange, Mass.
Connell & Dengler Machine Co., Rochester, N. Y.
Hall & Brown Woodworking Machine Co., 1911 N B'way, St. Louis, Mo.
Linderman Steel & Machine Co., Muskegon, Mich.
Luther B. G. Co., 91 Foster, Worcester, Mass.
Mereen-Johnson Machy Co., 4400 Lyndale av, Minneapolis, Minn.
Morgan Machine Co., Rochester, N. Y.
National Woodworking Machine Co., Dover, N. H.
Stevens Machine Shops, Winooski, Vt.
Yates P. B. Machine Co., Beloit, Wis.

7853—Box Board Printing Machines

Boston Printing Press & Machinery Co. ("Prouty"), East Bridgewater, Mass.
Connell & Dengler Machine Co. (One, Two & Three Colors), Rochester, N. Y.
Cross Press & Sign Co., 827 Rees, Chicago, Ill.
Hall & Brown Woodworking Machine Co., 1911 N B'way, St. Louis, Mo.
Hooper F. X. Co. (Multi-Color), Glenarm, Md.
Langston Sam'l M., 6th & Jefferson, Camden, N. J.
Morgan Machine Co. (One to Three Colors), Rochester, N. Y.
Premier Machinery Co., Oakland, Cal.

7854-5—Box Board Sawing & Finishing Machines

American Wood Working Machy. Co., Rochester, N. Y.
Gerlach Peter Co., 1708 Columbus, Cleveland, O.
Hobbs Mfg. Co., 26 Salisbury, Worcester, Mass.
Mereen-Johnson Machy. Co., 4400 Lyndale av, Minneapolis, Minn.
Premier Machinery Co., Oakland, Cal.

Box Cleating Machines

See Box Nailing & Cleating Machines

7856—Box Hand Hole Cutting Machines

Chase Turbine Mfg. Co. Orange, Mass.
Mereen-Johnson Machy. Co., 4400 Lyndale av, Minneapolis, Minn.

7857— Box Handle Machines

Premier Machinery Co., Oakland, Cal.
Smith & Phillips Mfg. Co., 30 N Jefferson, Chicago, Ill.

7858—Box Hinging Machines

General Package Co., 53 Park pl, New York

7859—Box Makers' Machinery

American Woodworking Machinery Co., Rochester, N. Y.
Chase Turbine Mfg. Co. (Crate), Orange, Mass.
Connell & Dengler Machine Co., Rochester, N. Y.
Cordesman Rechtin Co., Butler, Cincinnati, Ohio
Drake Process Machinery Co. (Carton), 2344 E 105th, Cleveland, O.
Fay J. A. & Egan Co., Cincinnati, O.
Fischer Machine Works, 1845 Carroll av, Chicago
Garland M. Co. (Box Board, etc), Bay City, Mich.
Hall & Brown Woodworking Machine Co., 1911 N B'way, St. Louis, Mo.
Hemingway Machine Co. (Sizing, Saw, etc.), Lynn, Mass.
Jones Superior Machine Co., 1264 W North av, Chicago, Ill.
Linderman Steel & Machine Co., Muskegon, Mich.
Luther B. G. Co., 91 Foster, Worcester, Mass.
Mereen-Johnson Mach. Co., 4400 Lydale av, Minneapolis, Minn.
Morgan Machine Co., Rochester, N. Y.
National Woodworking Machine Co., Dover, N. H.
Power L. & Co., 20 S 23rd, Phila, Pa.
PREMIER MACHINERY CO., 310 Sansome, San Francisco, Cal.
See adv index at end of book
St. Paul Machinery Mfg. Co. (Dovetail Box Machines), Como & Marion, St. Paul, Minn.
SINKER-DAVIS CO. ("Hoosier"), Indianapolis, Ind.
Smith, H. B. Machine Co., Smithville, N. J.
Strange, Chas. E., Taunton, Mass.
Sumner Iron Wks., Everett, Wash.
Woods S. A. Mach. Co. ("The Planers of Woods"), 27 Damrell, Boston, Mass.
Yates P. B. Machine Co., Beloit, Wis.

7860—Box Nail Feeding Machines

Doig, Wm. S. (Est. of) (Automatic), 54 Franklin, Brooklyn, N. Y.
Premier Machinery Co., 310 Sansome, San Francisco, Cal.
See adv index at end of book

7861—Box Nailing & Cleating Machines

Doig Wm. S. (Est. of), (also Double Decker Nailing & Cleating), 54 Franklin, Brooklyn, N. Y.
Morgan Machine Co., Rochester, N. Y.
Parker Machine Works (Automatic), Riverside, Cal.
Premier Machinery Co., 310 Sansome, San Francisco, Cal.
See adv index at end of book
U. S. Bottlers' Machinery Co. ("U. S." Box Nailing), 2511 Park av, Chicago, Ill.

7862— Box Shook Machinery

See also Box Makers' Machinery
Chapman's T. M. Sons Co., Old Town, Maine.
Gerlach Peter Co., 1708 Columbus, Cleveland, O.
Mereen-Johnson Machy. Co., 4400 Lyndale av, Minneapolis, Minn.
Morgan Machine Co. (Shook Splicer), Rochester, N. Y.
Sumner Iron Wks., Everett, Wash.

7862a—Box Shook Tying Machinery

Cranston Wire Bending Machine Co., 114 Union av, Portland, Ore.
Ersted Machy. Mfg. Co. ("Economy" Tie), E 29th & Clackamas, Portland, Ore.
Gerrard Wire Tying Machine Co., Inc., 1942 S 52nd av, Cicero, Chicago, Ill.
1942 S 52nd av, Cicero, Chicago, Ill.
Premier Machinery Co., 310 Sansome, San Francisco, Cal.
See adv index at end of book

Box Stapling Machines

See Wire Stapling Machinery

7863—Box Strapping Machines

American Box Strapping Co., Inc., 313 E 22nd, New York
American Castings & Mfg. Corp., 30 Main, Brooklyn, N. Y.
CARY MFG. CO., Nassau & Jay, Brooklyn, N. Y. *See adv index at end of book*
Cranston Wire Bending Machine Co., Alder & Union, Portland, Ore.
Doig, Wm. S. (Est. of) (Beer Box), 54 Franklin, Brooklyn, N. Y.
Eby Machinery Co. (Automatic Rotary), 35 Main, San Francisco, Cal.
Gerrard Wire Tying Machine Co., Inc., 1942 S 52nd, Cicero, Chicago, Ill.
Independent Metal Strap Co., 56 Prince, New York
See adv index at end of book
Pakanship Co., Inc., 375 Fulton, Brooklyn, N. Y.
Premier Machinery Co., 310 Sansome, San Francisco, Cal.
See adv index at end of book
Ti-Li Machines Co. ("Ti-It"), Monadnock bldg, San Francisco, Cal.
WIRE AND STEEL PRODUCTS CO., INC., 421 E 22nd, New York

7864-5-6—Box Trimming Machines

Mereen-Johnson Machy. Co., 4400 Lyndale av, Minneapolis, Minn.
Morgan Machine Co., Rochester, N. Y.

7867— Braiding Machines

Eastwood, Benj. Co., Paterson, N. J.
New England Butt Co., 304 Pearl, Providence, R. I.
Rhode Island Braiding Machine Co., 228 Aborn, Providence, R. I.
Textile Machine Works, Reading, Pa.

7868—Braiding Machines (Packing)

Rhode Island Braiding Machine Co., 228 Aborn, Providence, R. I.

7869—Branding Machines (Barrel)

Cleveland Brewers Supply Co. ("Waibel's" Rapid Brander), 1506 W 25th, Cleveland, O.
Eureka Machine Co., Cleveland, O.

7869a—Branding Machines (Lumber)

McDonough Mfg. Co., Eau Claire, Wis.

7870—Brass Sawing Machines

Griswold Geo. M. Machine Co., Bradley & Williams, New Haven, Conn.

7871—Brass & Copper Rolling Mill Machinery

Farnham Mfg. Co., 31 Indiana, Buffalo, N. Y.
FARREL FOUNDRY & MACHINE CO., 30 Main, Ansonia, Conn.
See adv index at end of book
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Mackintosh-Hemphill Co., 12th and Etna, Pittsburgh, Pa.
Phila. Roll & Machine Co., 52d & Grays av, Phila., Pa.
Torrington Mfg. Co., Torrington, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

7872— Brazing Machines

Clayton & Lambert Mfg. Co. (Bicycle, Motorcycle & Automobile), 1370-80 Beaubien, Detroit, Mich.
Thomson Elec. Welding Co. ("Thomson" Elect for Jewelry Mfg.), Lynn, Mass.

7873—Brazing Machines (Band Saw)

Ambler Saw Mfg. Co., Natick, Mass.
American Woodworking Machinery Co., Rochester, N. Y.
Atkins E. C. & Co., Indianapolis, Ind.
Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Black Diamond Saw & Machine Works, Natick, Mass.
Filer & Stowell Co., Milwaukee, Wis.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Rogers Samuel C. & Co., 10 Lock, Buffalo, N. Y.

7874—Bread Crumbing Machines

Goodell Co. ("Lee"), Antrim, N. H.

7874a— Breaker Machinery

Treadwell Engineering Co., Easton, Pa.
See adv index at end of book

7875—Brewers' & Maltsters' Machinery & Supplies

See also Bottlers' Machinery & Supplies; also Ice & Refrigerating Machinery; also Elevating & Conveying Machinery; also Heaters, Feed Water

A. B. & B. Specialty Co., 3300 Fond du Lac av, Milwaukee, Wis.
American Machinery Co., 103 W Water, Milwaukee, Wis.
Bishopric Products Co. (Inc.), ("Bishopric's Santa Mastic Pitch", Spring Grove & Este av, Cincinnati, O.
Brewing Appliance Specialty Co. ("Perfection" Tapping Devices), Hartford, Conn.
Cleveland Brewers' Supply Co., 1506 W 25th, Cleveland, O.
Deckebach F. C. Sons Co. (Cooling Apparatus, etc.), 123 W Court, Cincinnati, O.
Dundon Iron Works, 225 Folsom, San Francisco, Cal.
Eick Otto Mfg. Co., 3231 S. B'way, St. Louis, Mo.
Eureka Machine Co. (Pitch Spraying Apparatus, etc.), Cleveland, O.
FABREEKA BELTING CO. (Waterproof Belting), 120 High, Boston, Mass.
See adv index at end of book
Galland-Henning Mfg. Co., 26th av & Montana, Milwaukee, Wis.
See adv index at end of book
Golden Gate Mfg. Co. ("Golden Gate" Lager Beer Valves & Racking Apparatus), 9 Desbrosses, New York
Heyman N. H. (Brewers' Key-Scrubbing, Sprinkling Machines, etc), 438 E 59th, New York
Hoffman-Ahlers Co. (Brewery Kettles, False Bottom, Wash Tubs, Cookers, etc.), 828 E Pearl, Cincinnati, O.
Kaestner & Hecht Co. (Inc.) (Grain Removers, Mashing Machines, Pitching Machines, Malt Mills, etc), 500 Throop, Chicago, Ill.
Laubenheimer Geo. E. Co. (Brew Kettles, Beer Coolers, etc.), 17 N La Salle, Chicago, Ill.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Liquid Carbonic Co., 3100 S Kedzie av, Chicago, Ill.
Mark Mfg. Co., Evanston, Ill.
Meyer Geo. J. Mfg. Co. ("Meyerbilt"), 598 Clinton, Milwaukee, Wis.
Northwestern Copper & Brass Works, 59 W 3d, St. Paul, Minn.
Prinz & Rau Mfg. Co. (Barley Graders & Separators), 659 E Water, Milwaukee, Wis.
Rauh Robert (Keg Washers), 310 Elizabeth av, Newark, N. J.
Roos' August Sons (Fire Kettles, Fold Bottoms, Beer Coolers, etc), 429 E 91st, New York
San Francisco Mill Furnishing Co. (Malt Rolls & Cleaners), 521 7th, San Francisco, Cal.
Seibel-Suessdorf Cooper & Iron Mfg Co. (Barrel Washers, Isinglass Mixers, Beer Coolers, etc), c 2d & Lombard, St. Louis, Mo.
Selg Brewery Apparatus Co. (Fermenters, Washing Apparatus, etc), 1322 No. 5th, Phila., Pa.
Toepfer W. & Sons Co., 80 Menomonee, Milwaukee, Wis.
20th Century Machinery Co., 425 E Water, Milwaukee, Wis.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Wittemann Bros., 41 Ferris, Brooklyn, N. Y.
Zahm Mfg. Co., 79 E Jewett av, Buffalo, N. Y.
Zobler Otto Mfg. Co. (Kettles, Coolers, etc), 336 N Oakley blvd, Chicago, Ill.

7876— Briar Pipe Machinery

Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.

7877—Brick Cutting Machinery

Anderson Foundry & Machine Works, Anderson, Ind.
Bonnot Co. (Rotary Automatic), Canton, Ohio
Brewer H. & Co. (Rotary Automatic), Tecumseh, Mich.
FATE-ROOT-HEATH CO., Plymouth, O.
See adv index at end of book
Freese E. M. & Co., Galion, O.
Hadfield-Penfield Steel Co. (The) (Automatic), Bucyrus, Ohio
See adv index at end of book
International Clay Machinery Co., Dayton, Ohio
Louisville Machine Mfg. Co., Louisville, O.
Marion Machine Foundry & Supply Co. ("Marion"), Marion, Ind.
Steele J. C. & Sons (Automatic), Statesville, N. C.
Wallace Mfg. Co. (Rotary Automatic End Cutter, etc), Frankfort, Ind.

7878—Brick Machinery (Soft Mud)

Anderson Foundry & Machine Works, Anderson, Ind.
International Clay Machinery Co., Dayton, Ohio
Union Engng. Co., Cuyahoga & W 4th, Cleveland, O.
Wellington Machine Co., Wellington, O.

7879—Brick Making Machinery

Anchor Concrete Machinery Co. ("Anchor" Concrete Brick), 530 Dublin av, Columbus, Ohio
See adv index at end of book
Carlin John H. Machine Co., Pittsburgh, Pa.
FATE-ROOT-HEATH CO., Plymouth, O.
See adv index at end of book
HADFIELD - PENFIELD STEEL CO. (THE), Bucyrus, O.
See adv index at end of book
Jackson & Church Co., Saginaw, Mich.
Lancaster Iron Works ("Lancaster"), 500H S Prince, Lancaster, Pa.
Marion Machine Foundry & Supply Co., Marion, Ind.
SCHAFFER POIDOMETER CO., FORMERLY SCHAFFER ENGINEERING & EQUIPMENT CO. ("Poidometer," Automatic Pugger), 2828 Smallman, Pittsburgh, Pa.
See adv index at end of book
Steele J. C. & Sons, R. R. Tracks, Statesville, N. C.

7880—Brick Mould Sanding Machines

Cohoes Iron Foundry & Mach. Co., Cohoes, N. Y.
Hadfield-Penfield Steel Co. (The), Bucyrus, Ohio *See adv index at end of book*
Potts C. & A. & Co., Indianapolis, Ind.
Wellington Machine Co., Wellington, O.

7881— Brick Press Machines

Anderson Foundry & Machine Wks., ("Berg"), Anderson, Ind.
Arnold-Creager Co. (Re-press), New London, O.
Bonnot Co. (Stiff), 722 Mulberry rd S E, Canton, O.
Brewer H. & Co., Tecumseh, Mich.
Chicago Brick Machinery Co. ("Elwood" & "Berg" Dry), 2825 W Harrison blvd, Chicago, Ill.
Chisholm, Boyd & White Co. ("Boyd," Dry Press), 57th & Wallace, Chicago, Ill.
Clearfield Machine Shops (Fire Brick), Clearfield, Pa.
Eastern Machinery Co. ("New Haven"), New Haven, Conn.
Excelsior Tool & Machine Co., 32d & Ridge, E St. Louis, Ill.
Fernholtz Brick Machinery Co., Boyle & Vandeventer av, St. Louis, Mo.
Fernholtz Machinery Co., 2053 E 38th, Los Angeles, Cal.
See adv index at end of book
Freese E. M. & Co., Galion, O.
Hadfield-Penfield Steel Co., Bucyrus, O.
See adv index at end of book
Helm Brick Machine Co. ("Helm" Brick & Block Machines), Cadillac, Mich.
Industrial Supply Co. ("Andrus" Dry), Keokuk, Iowa
International Clay Machinery Co., Dayton, O.
Mueller Machine Co. (Hilmar Mueller, Prop.), Trenton, N. J.
Punxsutawney Foundry & Machine Co. (For Fire Brick), Punxsutawney, Pa.
Simpson Bros. (Fire Brick), Portsmouth, Ohio
Stearns Co. (Sand Lime & Clay), Erie, Pa.
Steele J. C. & Sons, (Represses), Statesville, N. C.
United Iron Works, Inc., Kansas City, Mo.
Wallace Mfg. Co., Frankfort, Ind.
Wellington Machine Co., Wellington, O.
Wiles A. M. & W. H. Co., Grassy Point, N. Y.

Brick Press Machines (Sand Lime)

See Sand Lime-Brick Machines

Brick Sanding Machines

See Brick Mould Sanding Machines

7882—Brick Setting Machinery

Hadfield-Penfield Steel Co. (The), Bucyrus, Ohio *See adv index at end of book*

7883—Brick Sizing Machines

Hadfield-Penfield Steel Co. (The), Bucyrus, O. *See adv index at end of book*

7884—Bridge Machinery for Bascule Bridges

Earle Gear & Machine Co., 4707 Stenson, Phila., Pa.

Bridge Operating Machinery

See Draw Bridge Machinery

7885—Briquetting Machinery

Chisholm, Boyd & White Co., 57th & Wallace, Chicago, Ill.
Elmes Chas. F. Engineering Works (Presses), cor. Fulton & Sangamon, Chicago, Ill. *See adv index at end of book*
Excelsior Tool & Machine Co., 32d & Ridge, E St. Louis, Ill.
FERNHOLTZ MACHINERY CO. (For Fuel Briquette), 2053 E 38th, Los Angeles, Cal.
See adv index at end of book

FERNHOLTZ MACHINERY CO.
Briquetting Machinery
Lignite Coal — Sugar Cane Pulp
Petroleum Coke — Sawdust Wood Shavings
Carbon (Lamp Black) — Oil Cake
Minerals
LOS ANGELES, CALIFORNIA
2053 East 38th Street

General Briquetting Co. (Coal), 25 Broad, New York
Hadfield-Penfield Steel Co. (The) (Ore and Flue Dust), Bucyrus, O.
See adv index at end of book
Mashek Engineering Co. (Coal, etc), 90 West, New York
Morgan Engineering Co. (Coal), Alliance, O.
Olsen Tinius Testing Machine Co. (Moulding Machines), 500 N 12th, Phila., Pa.
Southwark Foundry & Machine Co., 1128 S 4th, Philadelphia Pa.
See adv index at end of book
Stokes F. J. Machine Co. (Presses & Compressors), 6138 Tabor, Phila., Pa.
Traylor Engineering & Mfg. Co. (Coal, etc.), Allentown, Pa.

7886— Broaching Machines

American Broach & Machine Co., Ann Arbor, Mich.
Burr John T. & Son, 429 Kent av, Bklyn, N. Y.
HYDRAULIC PRESS MFG. CO., 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book
Lapointe J. N. Co., New London, Conn.
Lapointe Machine Tool Co. (& Tools), Hudson, Mass.
Lucas Machine Tool Co. ("Lucas" Vertical), 524 E 99th, Cleveland, O.
Oilgear Co. (Hydraulic), 406 38th, Milwaukee, Wis.
Pawtucket Mfg. Co., Pawtucket, R. I.
SOUTHWARK FOUNDRY & MACHINE CO. (Hydraulic), 1128 S 4th, Phila., Pa. *See adv index at end of book*
Wells Corporation, The ("Broachwell"), 15 Arch, Greenfield, Mass.
See adv index at end of book

7887—Bronze Powder Machines

Muench Geo., Stamford, Conn.

7888— Bronzing Machines

Fuchs & Lang Mfg. Co., 119 W 40th, N. Y.
Mayer Robt. & Co., 451 11th, New York
United Printing Machinery Co., 87 Broad, Boston, Mass.

7889—Broom Handle Machinery

Defiance Machine Works, Defiance, O.
Fay J. A. & Egan Co., Cincinnati, O.
Kline Lewis T., Alpena, Mich.
Ober Mfg. Co., Chagrin Falls, O.

7890— Broom Machinery

See also Sewing Machines, Broom
Cassard Hamilton, Holliday & Pleasant, Baltimore, Md.
Chicago Ferrule & Nut Co. (Supplies), 180 Lill av, Chicago, Ill.
Des Moines Broom Co. (Trimming Machines), Des Moines, Ia.

(Continued on following page)

Broom Machinery—Continued

Genesee Valley Mfg. Co., Mount Morris.
Liebig Wm. & Co., 96 Leland, Detroit, Mich.
Modern Broom Machy. Co., Dept. H, Davenport, Ia.
Walrath Alphonse Co., Fort Plain, N. Y

7891—Brush Machinery & Tools

Duffy John J., Waterford, N. Y.
Liebig Wm. & Co., 96 Leland, Detroit, Mich.
Pickering Mfg. Co., 1605 N Park, Phila., Pa.

7892-3— Buckle Machinery

Baird Machine Co. (Wire, Automatic), Stratford av, Bridgeport, Conn.
Manville E. J. Machine Co., Waterbury, Conn.
Nilson A. H. Machine Co. (Automatic), Bridgeport, Conn.
Special Machinery Co. (Automatic Buckle Wire), 38 Remer, Bridgeport, Conn.

7894—Buckwheat Machinery

Gump B. F. Co., 431 S Clinton, Chicago, Ill.
Howes S. Co. Inc., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor" Polishers, Hullers, Cleaners), Silver Creek, N. Y.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Wolf Co. (Shucking Machines, etc.), Chambersburg, Pa.

7895—Buffing Machines (Enameled Brick)

Hadfield-Penfield Steel Co. (The), Bucyrus, O. *See adv index at end of book*

7896—Buffing Machines (Shoe)

Donnelly Machine Co. ("Gilmore"), Brockton, Mass.
Naumkeag Buffing Machine Co., Beverly, Mass.

Buffing & Polishing Machines

See Lathes, Buffing & Polishing

Building Block Machinery

See Clay Building Block Machinery; also Concrete Building Block Machinery

7897—Bulldozer or Bending Machines

See also Forging Machines

Ajax Mfg. Co., 3930 Lakeside av, Cleveland, O.
BAKER MFG. CO. (THE) ("Baker" Road & Grading Contractor), 555 Stanford av, Springfield, Ill.
See adv index at end of book
Beatty Machine & Mfg. Co., Dept. H, Hammond, Ind.
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Elmes Chas. F. Engineering Works, Cor. Fulton and Sangamon, Chicago, Ill.
See adv index at end of book
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Hydraulic Press Mfg. Co. (Hydraulic "H. P. M."), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book
Long & Allstatter Co., Hamilton, O.
See adv index at end of book
LOURIE HYDRAULIC PRESS CO., THE, Springfield, Ill.
See adv index at end of book
Rock River Machine Co. ("Badger" Bulldozers), Janesville, Wis.
SOUTHWARK FOUNDRY & MACHINE CO., 1128 S 4th, Phila., Pa.
See adv index at end of book
WATSON-STILLMAN CO. (Hydraulic Bulldozer), 38 Church, New York
See adv index at end of book
Williams, White & Co., 301 8th, Moline, Ill.

7898— Bundling Machines

Master Machines Corp., 70 W 40th, New York
Standard Wiring Machine Co., 363 Flushing av, Brooklyn, N. Y.

7899-7900—Bung Boring Machines

See also Borers, Bung Hole

Holmes E. & B. Machinery Co. ("Holmes" Boring & Bush Setting), 59 Chicago, Buffalo, N. Y.
Oram John S. Co., 5240 Hamilton av, Cleveland, O.

Bung Branding Machines

See Branding Machines, Barrel

7901-2—Burnishing Machines

See also Polishing Machines

ABBOTT BALL CO., ("Abbott"), Elmwood Station, Hartford, Conn.
See adv index at end of book
American Laundry Machy. Co. ("Tahara" Silverware), Norwood, Cincinnati, O.
Astle H. J. & Co. ("Boland"), 118 Orange, Providence, R. I.
Baird Machine Co., Stratford Machy., Bridgeport, Conn.
Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.
No-Dust Drying Machine Co. ("No-Dust"), 157 Dorrance, Providence, R. I.
Smith, Richardson Co. ("Imperial"), Attleboro, Mass.

7903-4—Butchers' Machinery & Supplies

See also Specific Article Desired

Adt John B. Co. (Fat Cutting Devices), 340 No Holliday, Baltimore, Md.
Brecht Co. ("Crescent"), 1201 Cass av, St. Louis, Mo.
Chatillon Jno. & Sons, 85 Cliff, New York
Christy Knife Co. (Family Cleaners), Fremont, O.
Cincinnati Butchers' Supply Co., 2008 Central av, Cincinnati, O.
Daemicke Paul J. Co., 1340 Fullerton av, Chicago, Ill.
Farwell Ozmun Kirk & Co., St. Paul, Minn.
Fay J. A. & Egan Co., Cincinnati, O.
Howe Scale Co., Rutland, Vt.
Murray Iron Works Co., Burlington, Ia.
Northey Mfg. Co., Waterloo, Ia.
O'Brien Jas. H., 46 Jamaica, Brooklyn, N. Y.
Ottenheimer Bros. (Jobbers), 415H N Howard, Baltimore, Md.
Probeck P. J. Co., 2339 E 4th, Cleveland, O.
Schmidt C. Co., Livingston & John, Cincinnati, O.
Schwenger-Klein Co., 515 Woodland av, Cleveland, O.
Silver Mfg. Co. (& Supplies, Lard Presses & Ham Pumps, "Wagner" Sausage Stuffers, etc), 256 Salem, O.
Smith H. B. Machine Co., Smithville, N. J.
Smith's John E. Sons Co. (Meat Choppers, Steam Kettles, Lard Mixers, etc.), Buffalo, N. Y.
Stevens Benj. A. Co., Toledo, O.
Williams C. H. Co. (Jobbers), 537 S Los Angeles, Los Angeles, Cal.
Wolf, Sayer & Heller, Fulton & Peoria, Chicago, Ill.

7905-6—Butchers' Skewer Machinery

Fay J. A. & Egan Co., Cincinnati, O.
Smith H. B. Machine Co., Smithville, N. J.

7907—Butter Dish Machinery

Defiance Machine Works, Defiance, O.
Saranac Machine Co. (Automatic & Stapling Machinery), Benton Harbor, Mich.
Titus E. E., Petersburg, Va.

7908—Butter Printing & Cutting Machines

American Butter Cutting Machine Co. ("Stewart"), Elmsford, N. Y.
Automatic Molding & Folding Co. ("Automat"), 622 Madison av, Toledo, O.
Burrell D. H. & Co., Dept. H, Little Falls, N. Y.
Cleveland Faucet Co. ("Elgin" Butter Cutter), 1396 E 9th, Cleveland, O.
Glidden Mfg. Co. (Automatic Individual Butter Cutter), Beverly, Mass.
Peters Machinery Co., 4700 Ravenswood av, **Chicago, Ill.**
Simpson R. A., 4402 Market, Oakland, Cal.

Butter Tub Machinery

See Tub & Pail Machinery

7909— Button Machinery

Baird Machine Co., Stratford av, Bridgeport, Conn.
Barry Mfg. Co., 901 E 4th, Muscatine, Ia.
Cruver Mfg. Co., 2460 Jackson blvd, Chicago, Ill.
Defiance Button Machine Co. (Button Covering), 43 W 24th, New York
Draher John, Waterbury, Conn.
Grimes & Harris (Horn), Leominster, Mass.
Illinois Modern Button & Machine Co., 2407 W Ohio, Chicago, Ill.
MacCordy Button Machine Co., Amsterdam, N. Y.
Markels Leonard, 145 W 41st, New York
Redin, Ekstrom & Co. (Special), 1430 Railroad av, Rockford, Ill.
See adv index at end of book
Russell Jno. W. & Sons Co., Springfield, Mass.
Waterbury Button Corporation (Button Covering), 831 S Main, Waterbury, Conn. *See adv index at end of book*
Wendtland Wm., 51 Mercer, New York

7910— Buttonhole Machines

Lufkin John W. & R. H., 38 Chardon, Boston, Mass.
Reece Buttonhole Machine Co., 502 Harrison av, Boston, Mass.
Singer Sewing Machine Co., 149 Broadway, New York
Standard Sewing Machine Co., 6402 Cedar av S E, Cleveland, Ohio
United Shoe Machinery Co. ("U. S. M. C."), Boston, Mass.

7911—Cabbage Machinery (Canners')

Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Premier Machinery Co., Oakland, Cal.
Sprague Canning Machinery Co., 222 N Wabash av, Chicago, Ill.

7912-3— Cabbaging Machines

Famous Mfg. Co. (Hand for Brass Fdrs., etc.), East Chicago, Ind.

Cable Covering Machines

See Wire & Cable Covering Machinery

7914—Cabling & Armoring Machines

American Insulating Machinery Co. ("Aimco"), Dept. H, Fairhill & Huntington), Philadelphia, Pa.
New England Butt Co., 304 Pearl, Providence, R. I.
SLEEPER & HARTLEY INC., 335 Chandler, Worcester, Mass.
See adv index at end of book
Torrington Mfg. Co., Torrington, Conn.
Watson Machine Co., Paterson, N. J.

Calcined Plaster Machinery

See Gypsum Machinery

7915— Calculating Machines

See also Adding Machines

Bishop Calculating Recorder Co., 41 Park row, New York
Burroughs Adding Mach. Co., 356 E Congress, Detroit, Mich.
Calculator Corp. (Rapid), Grand Rapids, Mich.
Cluley Multiplier Co., Green Bay, Wis.
Computer Mfg. Co., 340H Sansome, San Francisco, Cal.
Felt & Tarrant Mfg. Co. ("Comptometer") 1717 N Paulina, Chicago, Ill.
Keuffel & Esser Co., Hoboken, N. J.
Marchant Calculating Machine Co. ("Marchant"), Emeryville, Cal.
Mechanical Accountant Co., 17 Warren, **Providence, R. I.**
Meilicke Calculator Co., 934 Wrightwood av, Chicago, Ill.
Monroe Calculating Machine Co. ("Monroe"), Woolworth bldg, New York
Morschhauser W. A. ("Millionaire"), 1 Madison av, New York
Reuter Carl H. ("Reuter," "Brunsviga" Multiplying & Dividing), Land Title bldg, Phila., Pa.
Underwood Typewriter Co., 36 Vesey, New York

7916— Calendering Machines

Birmingham Iron Foundry (Board, Rubber), Derby, Conn.
Black-Clawson Co., Hamilton, O.
Curtis & Marble Machine Co., Worcester, Mass.
Downington Mfg. Co., East Downington, Pa.
FARREL FOUNDRY & MACHINE CO., 30 Main, Ansonia, Conn.
See adv index at end of book
Holyoke Machine Co. (Breaker, Friction, Web, etc), Holyoke, Mass.
Kilburn, Lincoln Machine Co., Fall River, Mass.
Lindner & Vradenburgh, 239 Centre, New York
Lobdell Car Wheel Co. (For Rubber, Paper & Fibre), Wilmington, Del.
Norwood Engineering Co. (Breaker, Friction Web, Glassine, Sheet & Platers), Florence, Mass.
Poole Engineering & Machine Co. (For Cotton Duck), Woodberry Sta., Baltimore, Md.
Rice, Barton & Fales, Inc., 65 Taintor, Worcester, Mass.
Terhune J. I. Machine Works, Paterson, N. J.
Textile Finishing Machinery Co. (Pressure & Friction), 171 Westminster, Providence, R. I.
Waldron John Co. (For Paper Mills), New Brunswick, N. J.

7917— Calipering Machines

Rogers Jno. M. Works, Gloucester City, N. J.

7918— Calking Machines

Erie Toe Calk Machine Co., Erie, Pa.
L. S. P. Calking Machine Co. (For Horseshoers), Wyalusing, Pa.

7919—Cam Cutting Machines

Erie Toe Calk Machine Co. ("Erie Heel"), Erie, Pa.
Fay Machine Tool Co. ("Fay" Automatic), 2d & Glenwood av, Phila., Pa.
Garvin Machine Co., 147 Varick, New York
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Rowbottom Machine Co. ("Rowbottom Universal), Waterbury, Conn.
Standard Machinery Co., Providence, R. I.

7920— Cambering Machines

Mackintosh-Hemphill Co. (For Rails), 12th and Etna, Pittsburgh, Pa.

7921—Can Beading Machines

See also Crimping & Beading Machines
Ams Max Machine Co. ("Ams"), 101 Park av, New York
See adv index at end of book
Angelus Sanitary Can Mach. Co. ("Angelus"), Pacific blvd at 49th, Los Angeles, Cal.
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Cameron Can Machinery Co., 240 N Ashland av, Chicago, Ill.
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.
Niagara Machine & Tool Works, Buffalo, N. Y.
Slaysman & Co., 801 E. Pratt, Baltimore, Md.
Stecher Chas. Co. 2301 Knox av, Chicago, Ill.

7922—Can Beading & Flanging Machines

Adriance Machine Works, 80 Richards, Brooklyn, N. Y.
Ams Max Machine Co. ("Ams"), 101 Park av, New York
See adv index at end of book
Angelus Sanitary Can Mach. Co. ("Angelus"), Pacific blvd at 49th, Los Angeles, Cal.
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Cameron Can Machinery Co., 240 N Ashland av, Chicago, Ill.
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.

7923—Can Body Forming Machines

Adriance Mach. Works, 80 Richards, Brooklyn, N. Y.
Ams Max Machine Co. ("Ams"), 101 Park av, New York
See adv index at end of book
Angelus Sanitary Can Mach. Co. ("Angelus"), Pacific blvd at 49th, Los Angeles, Cal.
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Cameron Can Machinery Co., 240 N Ashland av, Chicago, Ill.
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.
McDonald Mach. Co. (Automatic), 7600 S. Racine av, Chicago, Ill.
Seattle Astoria Iron Works, 601 Myrtle, Seattle, Wash.
Slaysman & Co., 801 E Pratt, Baltimore, Md.
Stecher Chas. Co. (Automatic Lock, Seam, etc.), 2301 Knox av., Chicago, Ill.
Stevenson & Co., 607 S Caroline, Baltimore, Md.

7924— Can Boxing Machines

Burt Mach. Co., 403 E Oliver, Baltimore, Md.
Premier Machinery Co., 310 Sansome, San Francisco, Cal.
See adv index at end of book
Sprague-Sells Corp. (For Canners), 508 N Dearborn, Chicago, Ill.

7925—Can Burnishing Machines

Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.

7926—Can Capping Machines

Adriance Machine Wks., 80 Richards, Brooklyn, N. Y.
Allbright-Nell Co. (Six Spindles for Packers, etc), 5315 Western av, Chicago, Ill.
Ams Max Machine Co. ("Ams"), 101 Park av, New York
See adv index at end of book
Angelus Sanitary Can Mach. Co. ("Angelus"), Pacific blvd at 49th, Los Angelus, Cal.
Ayars Machine Co. (Hand & Power), Salem, N. J.
Brecht Co. (For Meat Packers), 1201 Cass av, St. Louis, Mo.
Cameron Can Machinery Co., 240 N Ashland av, Chicago, Ill.
Jones John T. Sons, 734 E Lombard, Baltimore, Md.
Robins A. K. & Co. (Hand), 116 Market Place, Baltimore, Md.
Seattle Astoria Iron Works, 601 Myrtle, Seattle, Wash.
Sprague-Sells Corp. (For Canners), 508 N Dearborn, Chicago, Ill.
Stecher Chas. Co. (Automatic Lock, Steam, etc), 1580 Crossing, Chicago, Ill.
Steward L. & J. A. (Power), Rutland, Vt.
Vance & Baker Mfg. Co., Muscatine, Ia.

7927—Can Cleaning & Washing Machines

San Diego Machine Co., San Diego, Cal.
Seattle Astoria Iron Wks. (For Salmon Canneries), 601H Myrtle, Seattle, Wash.

7928— Can Closing Machines

Adriance Machine Works, 80 Richards, Brooklyn, N. Y.
AMERICAN CAN CO. (Machy Dept.), (For Friction Top Cans), Monroe bldg, Chicago, Ill.
See adv index at end of book
Ams Max Machine Co. ("Ams"), 101 Park av, New York
See adv index at end of book
Angelus Sanitary Can Mach. Co. ("Angelus"), Pacific blvd at 49th, Los Angeles, Cal.
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Continental Can Co., Syracuse, N. Y.
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.
Metal Package Corp. of N. Y. (For Friction Cans), 509 5th av, New York
See adv index at end of book
Pacific Closing Machine Co., 324 San Fernando rd, Los Angeles, Cal.
Sanitary Can Co., 120 B'way, New York
Seattle Astoria Iron Wks. (For Sanitary Cans), 601H Myrtle, Seattle, Wash.
Stecher Chas. Co. (Sanitary), 1580 Crossing, Chicago, Ill.
Westchester Mach. Co., Mt. Vernon, N. Y.

7929—Can Crimping Machines

Adriance Machine Works, 80 Richards, Brooklyn, N. Y.
Ams Max Machine Co., 101 Park av, New York. *See adv index at end of book*
Angelus Sanitary Can Mach. Co. ("Angelus"), Pacific blvd at 49th, Los Angeles, Cal.
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Brecht Co., 1201 Cass av, St. Louis, Mo.
Cameron Can Machinery Co., 240 N Ashland av, Chicago, Ill.
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.
Lewis E. J., Middleport, N. Y.
Seattle Astoria Iron Works, 601 Myrtle, Seattle, Wash.
Slaysman & Co., 801 E Pratt, Baltimore, Md.
Stecher Chas. Co., 1580 Crossing, Chicago, Ill.
Westchester Mach. Co., Mt. Vernon, N. Y.

Can Earing Machines

See Soldering or Fusing Machines, Ear

7930— Can Filling Machines

Anderson Filling Machine Co. (Fruits, Vegetable, Salmon), Webster Junction, Alameda, Cal.
Ayars Machine Co. ("King" or "Stevens" for Tomatoes, Peas, etc), Salem, N. J.
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Buffalo Can & Bottle Filling Mach. Co., 308 Terrace, Buffalo, N. Y.
Burt Mach. Co., 403 E Oliver, Baltimore, Md.
CRANDALL CAN FILLER MACH. CO. ("Crandall" Machines for Can, Barrel & Drum Filling), 1390 Niagara, Buffalo, N. Y.
Fulton Engine Wks., 1000 Alhambra, Los Angeles, Cal.
Huntley Mfg. Co. ("Monitor" for String Beans, Apples, Vegetables, etc.), Silver Creek, N. Y.
Johnson Paul S., 1906 E 93d, Cleveland, O.
Kiefer, Karl Machine Co. ("Visco"), 919 Martin, Cincinnati, O.
Langsenkamp F. H., 130 E Georgia, Indianapolis, Ind.
McKenna Brass & Mfg. Co., 1st av & Ross, Pittsburgh, Pa.
Mohan & Co., Inc., 44 E 23rd, New York
Phelps Can Co. (Vent Hole Filling Machines), Key Highway & Lawrence, Baltimore, Md.
Pneumatic Scale Corp., Norfolk Downs, Mass.
Premier Machinery Co., 310 Sansome, San Francisco, Cal.
See adv index at end of book
Rice & Adams (Milk), Buffalo, N. Y.
Robins A. K. & Co. (Tomato, etc), 116 Market place, Baltimore, Md.
Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.
San Diego Machine Co., San Diego, Cal.
Seattle-Astoria Iron Works (Fish), 601 Myrtle, Seattle, Wash.
Sprague-Sells Corp. ("Moore & Bristol's," "Colbert," "Jersey Queen," "Stevens' King," for Filling Meats, Soups, Syrups, Milk, Fruits, Vegetables, etc.), 508 N Dearborn, Chicago, Ill.
U. S. Bottlers' Machinery Co. ("Perfection" "U. S." multiple), 4015 N Rockwell, Chicago, Ill.
Vulcan Machine Works ("Clear's" Cherry Filler), 90 N 4th, Portland, Ore.
See adv index at end of book

7931— Can Heading Machines

Adriance Machine Works, 80 Richards, Brooklyn, N. Y.
Ams Max Machine Co. ("Ams" Automatic Double Seamless), 101 Park av, New York *See adv index at end of book*
Angelus Sanitary Can Mach. Co. ("Angelus"), Pacific blvd at 49th, Los Angeles, Cal.
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Cameron Can Machinery Co., 240 N Ashland av, Chicago, Ill.
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.
Slaysman & Co., 801 E Pratt, Baltimore, Md.
Stecher Chas. Co., 1580 Crossing, Chicago, Ill.
Westchester Mach. Co., Mt. Vernon, N. Y.

Can Labeling Machines

See Labeling Machines.

7932—Can Lacquering Machines

Burt Machine Co., 403 E Oliver, Baltimore, Md.
Premier Machinery Co., 310 Sansome, San Francisco, Cal.
See adv index at end of book
Seeley Bros. ("Hughlett"), Blaine, Wash.
Sprague-Sells Corp., 508 N Dearborn, Chicago, Ill.

7933— Can Lining Machines

Ams Max Machine Co. ("Ams" Adjustable Round Square Covers, etc.), 101 Park av, New York
See adv index at end of book
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book

7934—Can Lock & Lap Seaming Machines

Adriance Machine Works, 80 Richards, Brooklyn, N. Y.
Ams Max Machine Co. ("Ams" Automatic Double Seamless), 101 Park av, New York *See adv index at end of book*
Angelus Sanitary Can Mach. Co. ("Angelus"), Pacific blvd at 49th, Los Angeles, Cal.
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Cameron Can Machinery Co. (Sanitary with Soldering Attachments, etc.), 240 Nashland av, Chicago, Ill.
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.
McDonald Machine Co. (Automatic Lock Seam), 3207 Shields av, Chicago, Ill.
Seattle Astoria Iron Works, 601 Myrtle, Seattle, Wash.

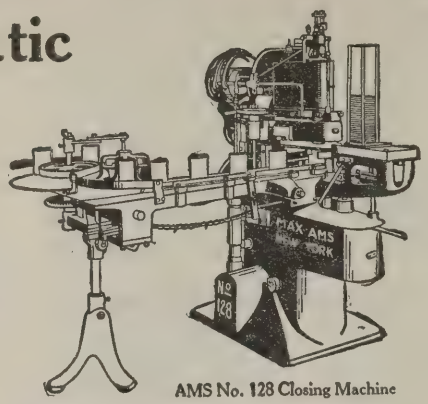
7935— Can Makers' Machinery

See also Specific Article Required.
Adriance Machine Works (Soldering & Sanitary), 80 Richards, Brooklyn, New
AM. CAN CO. (Automatic), 120 B'way, New York *See adv index at end of book*
American Key Can Co. (For Key Opening Cans), 140 S Dearborn, Chicago, Ill.

(Continued on following page)

AMS Automatic Can Making Machinery

for performing every operation in the manufacture of cans and metal containers of every description.



AMS No. 128 Closing Machine

Closing Machines
Double Seamers
Body Makers

Gang Slitters
Flangers

Liners and Dyers
Power Presses (for tops and bottoms)

Write for catalog. Tell us your needs and let us suggest equipment and quote prices

MAX AMS MACHINE COMPANY
101 Park Ave., New York, N. Y.

Branches: Chicago, Ill., 310 South Michigan Blvd.
London, England, 50-51 Lime St., E. C. 3

Can Makers' Machinery—Continued

AMS MAX MACHINE CO. ("Ams" Air Tight Seam Without Solder or Acid, etc.), 101 Park av, New York
See adv index at end of book

Angelus Sanitary Can Mach. Co. ("Angelus"), Pacific blvd at 49th, Los Angeles, Cal.

Ayars Machine Co., Salem, N. J.

BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book

Brecht Co., 1201 Cass av, St. Louis, Mo.

Cameron Can Machinery Co. ("Cameron" Automatic Lockseamer, Threader, etc.), 240 Nashland av, Chicago, Ill.

Ferracute Machine Co., Bridgeton, N. J.

Kruse Mfg. Co., 109 S 5th, Brooklyn, N. Y.

Langsenkamp F. H. (Chili Sauce, etc.), 130 E Georgia, Indianapolis, Ind.

Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.

McDonald Mach. Co., 7600 S Racine av, Chicago, Ill.

Marburg Bros. ("Kircheis" Lock Seamers), 90 West, New York

Mitchell Jno. R. Co., 702 S Washington, Baltimore, Md.

Niagara Machine & Tool Works, Buffalo, N. Y.

San Diego Machine Co., San Diego, Cal.

Seattle Astoria Iron Works (Can Body Making & Soldering "Troyer Fox"), 601 Myrtle, Seattle, Wash.

Slaysman & Co. (Automatic), 801 E Pratt, Baltimore, Md.

Stecher Chas. Co. ("Automatic"), 1580 Crossing, Chicago, Ill.

Stevenson & Co., 607 S Caroline, Baltimore, Md.

Stoll D. H. Co., Buffalo, N. Y.
See adv index at end of book

Swaine F. J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.

Westchester Mach. Co., Mt. Vernon, N. Y.

7936—Can Marking Machines

Ams Max Machine Co. ("Ams"), 101 Park av, New York
See adv index at end of book

Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa.
See adv index at end of book

Seattle-Astoria Iron Works, 601 Myrtle, Seattle, Wash.

Sprague-Sells Corp., 508 N Dearborn, Chicago, Ill.

Vulcan Machine Works (Rotary Can Marker), 90 N 4th, Portland, Ore.
See adv index at end of book

7937-8—Can Polishing Machines

Sprague-Sells Corp., 508 N Dearborn, Chicago, Ill.

Stoll D. H. Co., Buffalo, N. Y.

7939— Can Salting Machines

Anderson Filling Machine Co., Webster Junction, Alameda, Cal.

Goodfellow G. P. ("Goodfellow's"), Blaine, Wash.

San Diego Machine Co., San Diego, Cal.

Seattle Astoria Iron Works (Automatic) 601H Myrtle, Seattle, Wash.

7940—Can Scoring Machines

Ams Max Machine Co., 101 Park av, New York *See adv index at end of book*

Angelus Sanitary Can Machy. Co. ("Angelus"), Pacific blvd & 49th, Los Angeles, Cal.

BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book

Stecher Chas. Co., 1580 Crossing, Chicago, Ill.

Stoll D. H. Co., The, 30 Lansing, Buffalo, N. Y. *See adv index at end of book*

7941—Can Seaming Machines

Adriance Machine Works, 80 Richards, Brooklyn, N. Y.

Ams Max Machine Co. ("Ams"), 101 Park av, New York
See adv index at end of book

Angelus Sanitary Can Mach. Co. ("Angelus"), Pacific blvd at 49th, Los Angeles, Cal.

BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book

Cameron Can Machinery Co. (Automatic Double Seamer), 240 N Ashland av, Chicago, Ill.

Henninger & Ayes Mfg. Co. ("H & A"), 505 N 29th, Portland, Ore.

Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.

Seattle Astoria Iron Works, 601 Myrtle, Seattle, Wash.

Slaysman & Co. (Automatic Side Seam Locking Machines), 801 E Pratt, Baltimore, Md.

7942— Can Slitting Machines

Adriance Machine Works, 80 Richards, Brooklyn, N. Y.

Ams Max Machine Co. ("Ams"), 101 Park av, New York
See adv index at end of book

Angelus Sanitary Can Mach. Co. ("Angelus"), Pacific blvd at 49th, Los Angeles, Cal.

BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book

Seattle Astoria Iron Works, 601 Myrtle, Seattle, Wash.

Slaysman & Co., 801 E Pratt, Baltimore, Md.

Stoll D. H. Co., The, 30 Lansing, Buffalo, N. Y. *See adv index at end of book*

7943—Can Soldering Machines

Adriance Machine Works, 80 Richards, Brooklyn, N. Y.

Allbright-Nell Co. (Vacuum Sealing), 5315 Western av, Chicago, Ill.

AMS MAX MACHINE CO. ("Ams"), 101 Park av, New York
See adv index at end of book

BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book

Cameron Can Machine Co. (Automatic & Single Floating Machine), 240 N Ashland av, Chicago, Ill.

Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.

7944—Can Stamping Machines (Automatic)

Angelus Sanitary Can Mach. Co. ("Angelus"), Pacific blvd at 49th, Los Angeles, Cal.

Seattle Astoria Iron Works, 601 Myrtle, Seattle, Wash.

Slaysman & Co., 801 E Pratt, Baltimore, Md.

Stoll D. H. Co., The, 30 Lansing, Buffalo, N. Y. *See adv index at end of book*

7945—Can Sterilizing Machines

Burrell D. H. & Co., Inc., Little Falls, N. Y.

Premier Machinery Co., 310 Sansome, San Francisco, Cal.
See adv index at end of book

Sprague-Sells Corp., 508 N Dearborn, Chicago, Ill.

7946— Can Stuffing Machines

Allbright-Nell Co., 5315 Western av, Chicago, Ill.

Jensen Creamery Machy. Co., Nelson & Locust av, Bloomfield, N. J.

San Diego Machine Co., San Diego, Cal.

Can Testing Machines

See Testing Machines, Can

7947— Can Tipping Machines

Angelus Sanitary Can Mach. Co. ("Angelus"), Pacific blvd at 49th, Los Angeles, Cal.

Chicago Solder Co. (High Speed Auto-Tripper), 218 N Union av, Chicago, Ill.

Fulton Engine Wks, 1000 Alhambra, Los Angeles, Cal.

7948—Can Top Folding Machines

Angelus Sanitary Can Mach. Co. ("Angelus"), Pacific blvd at 49th, Los Angeles, Cal.

CLEVELAND CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book

Niagara Machine & Tool Works, Buffalo, N. Y.

7949—Can Weighing Machines

Premier Machinery Co., 310 Sansome, San Francisco, Cal.
See adv index at end of book

Seeley Bros. ("X. L." Automatic), Blaine, Wash.

Smith Cannery Machine Co. (Automatic), Seattle, Wash.

7950—Can Wiping Machines

Ayars Machine Co., Salem, N. J.

Morral Bros., Morral, O.

Slaysman & Co., 801 E Pratt, Baltimore, Md.

Sprague-Sells Corp., 508 N Dearborn, Chicago, Ill.

7951—Can Wrapping Machines

Burt Mach. Co. (Round Containers Only), 403 E Oliver, Baltimore, Md.

Premier Machinery Co., 310 Sansome, San Francisco, Cal.
See adv index at end of book

7952—Can & Jar Washing Machines

Burrell D. H. & Co., Inc. (& Drying), Little Falls, N. Y.

Premier Machinery Co., 310 Sansome, San Francisco, Cal.
See adv index at end of book

Seattle Astoria Iron Works, 601 Myrtle, Seattle, Wash.

Sprague-Sells Corp., 508 N Dearborn, Chicago, Ill.

7953— Cancelling Machines

American Perforator Co. ("American" Check & Cigar Stamp, Hand, Foot & Motor Driven), 625 W Jackson blvd, Chicago, Ill.

Bright H. V. (For Ticket Chopper), 1164 Prospect, Cleveland, O.

Columbia Postal Supply Co., Silver Creek, N. Y.

Cummins Perforator Co. (Plain & Dating, etc.), 4740 W Ravenswood av, Chicago, Ill.

Moise-Klinker Co., 369 Market, San Francisco, Cal.

7954-5— Candle Machinery

Brewer Wm. W., Troy, N. Y.

Brown & Patterson, 33 Marcy av, Brooklyn, N. Y.

Homan & Co. (Molds, etc), Cincinnati, O.

Houchin-Aiken Co., 26 Court, B'klyn, N. Y.

Candy Machinery
See Confectioners' Machinery

Candy Vending Machines
See Vending Machines

7956—Cane-Seat Chair Machinery
See also Chair Machinery

Purdy Chester Co. (Also Wood Seat), Ghent, O.
Scow Bay Iron & Brass Works, Astoria, Ore.

7957— Cane Sugar Machinery
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Safety Lamp & Mine Supply Co., (Mountings Only), 1327 Capouse av, Scranton, Pa.
Bartlett-Hayward Co., Scott & McHenry, Baltimore, Md.
Buffalo Foundry & Machine Co., 65 Winchester, Buffalo, N. Y.
See adv index at end of book
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Dyer Co., 2031 Euclid av, Cleveland, O.
FARREL FOUNDRY & MACHINE CO., 30 Main, Ansonia, Conn.
See adv index at end of book
Fulton Iron Works Co., 1259 Delaware av, St. Louis, Mo.
Honolulu Iron Works Co., 233 Broadway, New York
Hooven Owens, Rentschler Co. ("Hamilton Pratt"), Hamilton, O.
Joubert & Goslin Mach. & Fdry. Co. (Refining), 800 N 35th, Birmingham, Ala.
Kelvin Engng. Co., 106 Front, New York
Krajewski-Pesant Corp., 227 Fulton, New York
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Maine Machine Wks. (Sprays & Dischargers), 701H N Main, Los Angeles, Cal.
Marshall Foundry Co., 28th & R. R., Pittsburgh, Pa.
MOTLEY JAMES M., Export Office Duncan Stewart & Co. Ltd., 43 Cedar, New York
Phila. Coppersmithing Co., 808 N Front, Phila., Pa.
Premier Machinery Co., Oakland, Cal.
Reading Iron Co., Reading, Pa.
Ruggles Horace F., 80 South, New York.
Sugar Machinery Co., Higgins bldg., Los Angeles, Cal.
Turl Iron & Car Co., Inc. (The), 50 Broad, New York. Works: Newburgh, N. Y.
Von Phil Gilbert D, Hibernia Bang bldg, New Orleans, La.
Wayte W. J. Inc. (Dirs.), 5844 Grand Central Terminal, New York

7957a— Cane Sugar Conveying Machinery
Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Fulton Iron Works Co., 1259 Delaware av, St. Louis, Mo.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

7958—Canners' Fruit Washing & Scalding Machines
Anderson-Barngrover Mfg. Co., 333 W Julian, San Jose, Cal.
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Premier Machinery Co., 310 Sansome, San Francisco, Cal.
See adv index at end of book
Vance & Baker Mfg. Co. ("Grasshopper"), Muscatine, Ia.

7959—Canners' Viner Feeding Machines
Ferrell A. T. & Co. ("Giant" Roller Bearing), Saginaw, Mich.
Hamachek Frank ("Ideal" Viner Feeders, for Pea Canners), Kewaunee, Wis.
Premier Machinery Co., 310 Sansome, San Francisco, Cal.
See adv index at end of book

7960— Canning Machinery
(Names with * also manufacture Monel Metal)

AMS MAX MACHINE CO. (For Making & Sealing Sanitary Tin Cans), 101 Park av, New York
See adv index at end of book
*Anderson Filling Machine Co. ("Anderson" Rotary Exhauster), Webster Junction, Alameda, Cal.
*Anderson-Barngrover Mfg. Co., San Jose, Cal.
See adv index at end of book

CANNING EQUIPMENT AND SUPPLIES
Anderson Barngrover Mfg. Co.
Factory: 333 West Julian St., San Jose, Calif.
BRANCH SALES OFFICES
San Francisco, 20-22 Fremont St.; Chicago, 844 Rush St.; Los Angeles, 502 E. 3rd St.; Portland, 92 First St.; Baltimore, 409 Marine Bank Bldg.

*Atlas Products Co., Inc., 147 Washington N, Boston, Mass.
*Ayars Machine Co., Salem, N. J.
Baker Iron Works, 950 N B'way, Los Angeles, Cal.
Brecht Co., 1201 Cass av, St. Louis, Mo.
Burpee & Letson (Ltd.) (Salmon), Bellingham, Wash.
Burt Mach. Co. (Labeling, Wrapping & Casing Round Containers), 403 E Oliver, Baltimore, Md.
California Canning Machinery Co., 776 W 10th, Riverside, Cal.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Chicago Solder Co., 4201 Wrightwood av, Chicago, Ill.
Climax Machinery Co., 143 E Morris, Indianapolis, Ind.
Conant R. O. Co., 9th & Union, Portland, Me.
*Continental Can Co., Syracuse, N. Y.
CRANDALL CAN FILLER MACH. CO. (Liquid Filling Machines for Can, Barrel & Drum Filling), 1390 Niagara, Buffalo, N. Y.
*Diener Mfg. Co., Camden, N. J.
Dundon Iron Works, 225 Folsom, San Francisco, Cal.
*Dunkley Co., 120 12th, Oakland, Cal.
FABREEKA BELTING CO. (Belting for Canners), 120 High, Boston, Mass.
See adv index at end of book
Ferrell A. T. & Co., Saginaw, Mich.
Henninger & Ayes Mfg. Co. ("H. & A." Steam Pressure), 505 N 29th, Portland, Ore.
*Huntley Mfg. Co. ("Monitor" Cleaners, Graders, Washers, Scalers, Blanchers, Fillers, Elevators, Pitters, Huskers), Silver Creek, N. Y.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Jones John T. Sons, 734 E Lombard, Baltimore, Md.
Lang E. M. Co. (Soldering Machines, Capping Irons, Solder, Presses, etc), 341 Fore, Portland, Me.
*Langsenkamp F. H., 130 E Georgia, Indianapolis, Ind.
Lewis E. J., Middleport, N. Y.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
McDonald Machine Co., 3207 Shields av, Chicago, Ill.
Mitchell Jno. R. Co., 702 S Washington, Baltimore, Md.
Morral Bros. (Corn Cutter, Silk Brushing Cooker Filler, etc), Morral, O.
Oakland Machinery Co., 569 3d, Oakland, Cal.
Pacific Closing Machine Co., 324 San Fernando rd, Los Angeles, Cal.
Peerless Husker Co., 523 Cornwall av, Buffalo, N. Y.
Premier Machinery Co., 310 Sansome, San Francisco, Cal.
See adv index at end of book

PREMIER MACHINERY COMPANY
Machinery and Equipment
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Fruits - Vegetables - Pineapples - Milk
SAN FRANCISCO, CAL., U.S.A.

Price E. L. Mfg. Co., 306 1st, Oakland, Cal.
Renneburg Edw. & Sons Co., 2639 Boston, Baltimore, Md.
Robins A. K. & Co., 116 Market pl, Baltimore, Md.
San Diego Machine Wks. (Fish Cutting Machines), 739 4th, San Diego, Cal.
Seattle Astoria Iron Works, 601H Myrtle Seattle, Wash.
Seely Bros., Blaine, Wash.
Smith Cannery Machines Co. ("Iro Chink" & Automatic Weighing Machines), 2413 1st av S, Seattle, Mach
*Smith Mfg. Co., Inc., Stockton & Alameda, San Jose, Cal.
*Sprague-Sells Corp. (Tomato), 508 N Dearborn, Chicago, Ill.
Sprague Foundry & Mfg. Co., Council Bluffs, Iowa
*Standard Automatic Mach. Co., Rochester, N. Y.
Thompson Mfg. Co., Lancaster, N. H.
Vance & Baker Mfg. Co., Muscatine, Ia.
Vulcan Machine Works, 90 N 4th, Portland, Ore.
See adv index at end of book

Canners' Equipment
Exhaust Boxes
Clear's Cherry Filling Machine
Rotary Can Marker
Special Canning Machinery Rebuilt & Manufactured
VULCAN MACHINE WORKS
90 N. 4th Street Portland, Oregon

Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Westchester Mach. Co., Mt. Vernon, N. Y.
Wright & Smith Mach. Wks., Inc. (Fish Cutters & Exhaust Boxes), King St. Docks, Seattle, Wash.
Zastrow Geo. W., 1410 Thames, Baltimore, Md.

7961-2—Cant Hook Handle Machinery
Defiance Machine Works, Defiance, O.

7963—Canvas Glove Machinery
Keagy & Lear Machine Co., Coshocton, O.

7964— Capping Machines
Dicke Tool Co., Downers Grove, Ill.
Lang E. M. Co., 341 Fore, Portland, Me.
Premier Machinery Co., Oakland, Cal.
Steward L. & J. A., Rutland, Vt.

7965— Capsule Machines
Colton Arthur Co., 2600H, E Jefferson, Detroit, Mich.
Stokes F. J. Machine Co., 6138 Tabor Phila., Pa.

7966— Car-Boring Machines
American Wood Working Machinery Co. Rochester, N. Y.
Fay J. A. & Egan Co., Cincinnati, O.
Greenlee Bros. & Co., Rockford, Ill.
Power L. & Co., 22 S 23d, Phila., Pa.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

7967—*Car Dumping Machinery
See also Dumpers, Car

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

7967a— Car Shop Machines
Greenlee Bros. & Co., 12th, Rockford, Ill.
Woods S. A. Machine Co., 27 Damrell, Boston, Mass.

7968—Car Spring Coiling Machines
See also Spring Coiling Machines; also Wire Spring Coiling Machines

Coulter & McKenzie Machine Co., 771 Water, Bridgeport, Conn.

Car Wheel Molding Machines
See Molding Machines, Foundry

7969—Car & Carriage Spring Machinery
Coulter & McKenzie Machine Co., 771 Water, Bridgeport, Conn.
Evans Jno. Sons, 506 N 13th, Phila., Pa.
L & W Spring Co., 161 Grand, New York

7970—Carbon Cutting Machines
Lundin Electric & Machine Co. (Electrical, with Switch), 10 Thatcher, Boston, Mass.

7971-2— Carbon Machinery
Baker's Sons J. & Perkins Co., Inc. (Mixers), White Plains, N. Y.
Brown A. & F. Co., 79 Barclay, New York

7973-4—Carbonating Machinery
Bishop & Babcock Co., 1204 E 55th, Cleveland, O.
Liquid Carbonic Co., 3100 S Kedzie av, Chicago, Ill.
Magnus A. Sons Co., 327 W Randolph, Chicago, Ill.
Phila. Coppersmithing Co., 808 N Front, Phila., Pa.
Taber Pump Co., 291 Elm, Buffalo, N. Y.

Cardboard Slitting Machines
See Paper Slitting Machines

7975—Card Cutting Machines
Amer. Specialty Co. ("Premium"), 165 Holland av, Bridgeport, Conn.

(Continued on following page)

Card Cutting Machines—Continued

BLISS CO., E. W. (Playing Cards), 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Dietz Machine Works (Rotary for Index Business, etc.), 126 Fountaine, Phila., Pa.
Golding Mfg. Co., Franklin, Mass.
Jacques Jno. & Son, 93 Webster, Worcester, Mass.
Leffler Chas. & Co. (Playing Cards), 59 Clymer, Brooklyn, N. Y.
Marshall Son & Co. ("Superior" Hand Card Cutter), 226 Purchase, Boston, Mass.
Robinson Jno. T. Co., Hyde Park, Mass.
Royle John & Sons (Jacquard), Dept. H, Paterson, N. J.

7976—Cargo Transferring Machinery (Marine Transfer)

American Hoist & Derrick Co., St. Paul, Minn.
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book

7977—Carpet Cleaning Machinery

Cleveland Laundry Machinery Mfg. Co., 5184 Fowler av S E, Cleveland, O.
Elec. Rotary Mach. Co. ("Electric" Rotary Machine), 3825 W Lake, Chicago, Ill.
Giant Mfg. Co., Council Bluffs, Ia.
Reed Mfg. Co. (Carpet Cleaning Wheels), Springfield, O.
Wightman Geo. E. Co. ("Ish-Ka-Bibble" Carpet Cleaning Tool), 90 11th, Portland, Ore.

7978—Carriage Builders' Machinery

See also Hub, Spoke & Rim Machinery
Abbott & Co. (Hub Bored), Hudson, Mich.
American Woodworking Mach'y Co., Rochester, N. Y.
Bicknell Mfg. & Supply Co. (Felloe Rounders), Janesville, Wis.
Cordesman-Rechtin Co., Butler, Cincinnati, O.
Defiance Machine Works, Defiance, O.
Fay J. A. & Egan Co., Cincinnati, O.
Greenlee Bros. & Co., Rockford, Ill.
Kane & Roach, Syracuse, N. Y.
Williams, White & Co., Moline, Ill.

Carriage Spring Machinery

See Car & Carriage Spring Machinery

7979—Carton Sealing Machines

American Carton Sealing Machine Co., 48 E 51st, Chicago, Ill.
American Machinery Co. ("Philadelphia"), 330 N 12th, Phila., Pa.
Mohan & Co., Inc., 44 E 23rd, New York
Sharp L. C. Mfg. Co. (Soap Powder), Plattsmouth, Neb

7980— Cartridge Machinery

BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
East Iron & Machine Co., 351 E Market, Lima, O.
Manville E. J. Machine Co., Waterbury, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Zeh & Hahnemann Co., Vanderpool, Newark, N. J.

Carving Machines

See Wood Carving Machines

7981-2—Carving Machines (Corner Block)

Fay J. A. & Egan Co., Cincinnati, O.

7983-4-5—Case Hardening Machines

See also Furnaces, Annealing & Case Hardening
American Gas Furnace Co., Spring & Lafayette, Elizabeth, N. J.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

7986—Cast Iron Pipe Cutting Machines

Smith A. P. Mfg. Co. ("French"), East Orange, N. J.

Casting Machines

See Molding Machines. Foundry

7986a— Castor Oil Machinery

Buckeye Iron & Brass Works, Dayton, O.

7987-8— Catsup Machines

Sprague-Sells Corp., 508 N Dearborn, Chicago, Ill.

Ceiling Machinery

See Sheet Metal Workers' Machines, etc.

7989— Celluloid Machinery

Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn.
See adv index at end of book
Standard Tool Co., 300 Whitney, Leominster, Mass.

7990—Cement Brick Machines

See also Concrete Building Block Machinery
ANCHOR CONCRETE MACHINERY CO. ("Anchor" Concrete), 530 Dublin av, Columbus, O.
See adv index at end of book
American Cement Machine Co., Keokuk, Ia.
Besser Mfg. Co., Alpena, Mich.
Colgan Machinery & Supply Co., Columbus, O.
Concrete Machinery Supply Co., 2014 Santa Fe av, Los Angeles, Cal.
Concrete Products Mould Co., ("Flam Wet Mix" System), Slauson av, cor. Iron, Los Angeles, Cal.
Foote J. B. Foundry Co., Fredericktown, Ohio
Helm Brick Machine Co. (Concrete), **Cadillac, Mich.**
Ideal Concrete Machy. Co. (CONCRETE BRICK MACHINERY designed for the manufacture of standard size—2¼"x 3¾"x8"—building brick. Machines permit the manufacture of both plain and faced brick. Can be furnished for either hand or power tamping), 5007 Spring Grove av, Cincinnati, O.
See adv index at end of book
Internat. Brick Mach. Co., Binghamton, N. Y.
La Grange Machine & Repair Co. ("Little Giant"), La Grange, Ind.
Moore Plow & Implement Co., Greenville, Mich.
Northwestern Steel & Iron Works ("Northwestern" Tin Brick), Eau Claire, Wis.
Peerless Brick Machine Co. ("Peerless"), 1234 Central av, Minneapolis, Minn.
Raber & Lang Mfg. Co., Kendallville, Ind.
Starch Bros. Co. ("Leader"), La Crosse, Wis.

Cement Burial Vault Machinery

See Molds, Concrete

Cement Drain Tile Machines

See Cement Sewer Pipe Machinery

7991— Cement Machinery

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
ALLIS-CHALMERS MFG. CO. ("Allis-Chalmers"), Milwaukee, Wis.
See adv index at end of book
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Bethlehem Foundry & Mach. Co., South Bethlehem, Pa.
Bonnot Co., Canton, O.
Burrell Mfg. Co., Bradley, Ill.
Chalmers & Williams (Inc.), 1925 Commercial Nat'l Bank bldg, Chicago, Ill.
Concrete Products Mould Co. ("Flam Wet Mix" System), Slauson av, cor. Iron, Los Angeles, Cal.
Dunning W. D., Syracuse, N. Y.
FULLER-LEHIGH CO., Fullerton, Pa.
See adv index at end of book
Great Western Mfg. Co., Leavenworth, Kan.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
Kennedy Van Saun Mfg. & Eng. Corp. (For Cement Plants), 50 Church, New York
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Manitowoc Engineering Works, Manitowoc, Wis.
Martin Iron Wks., 1222 E 28th, Los Angeles, Cal.
Mashek Engineering Co., 90 West, New York
Mosser W. F. & Son (Rotary Crushers), Allentown, Pa.
Prosser Thos. & Son (Imp.), 15 Gold, New York
Quintard Iron Works Co., 40 Wall, New York
Reeves Bros. Co., The (For Wet or Dry Process), Alliance, O.
See adv index at end of book
Republic Iron Wks., Tecumseh, Mich.
Sackett A. J., Cor 4th av & 1st, Baltimore, Md.
Smidth F. L. & Co., 50 Church, New York
Stroud E. H. & Co., 928-934 Fullerton av, Chicago, Ill.
Sturtevant Mill Co., Clayton & Park, Dorchester, Boston, Mass.
Treadwell Construction Co. (For Wet or Dry Process), Midland, Pa.
Union Engineering Co., Cuyahoga & W 4th, Cleveland, O.
United Iron Works, Inc. (Cooling Towers, Slurry Tanks, Pug Mills, Sacking Machines, etc.), Kansas City, Mo.
Vulcan Iron Works ("Vulcan"), Wilkes-Barre, Pa.
WEBSTER MFG. CO. (Elevating & Conveying), 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Willsea Works, Dept. H, Rochester, N. Y.
Worthington Pump & Machy. Corp., 115 Broadway, New York

Cement Porch Column Machinery

See Molds, Concrete

7992—Cement Post Machinery

See also Molds, Concrete
American Cement Machine Co., Keokuk, Iowa
Cement Machinery Co. ("Universal"), Jackson, Mich.
National Concrete Machinery Co. ("National"), Bank of Wis. bldg, Madison, Wis.
Northwestern Steel & Iron Works, Eau Claire, Wis.

Cement Roofing Tile Machinery

See Cement Shingle Machinery

7993—Cement Sacking Machines

See also Cement Machinery
United Iron Works, Inc., Kansas City, Mo.

7994—Cement Sewer Pipe Machinery

Besser Mfg. Co. (Hand & Power Machines for Drain Tile & Sewer Pipe), Alpena, Mich.
Cement Machinery Co., Jackson, Mich.
Concrete Machy. & Supply Co. ("Brobakers"), 2014 Sante Fe av, Los Angeles, Cal.
Concrete Stone & Sand Co. ("Pauly"), Youngstown, O.
Hydraulic Pipe Co., 2516 5th, Berkeley, Cal.
Farmers' Cement Tile Machine Co. ("Ideal" Drain Tile Machines), St. Johns, Mich.
Lansing Co., Lansing, Mich.
Martin Iron Wks., 1222 E 28th, Los Angeles, Cal.
Pacific Machine Shop, 1155 Dock, Tacoma, Wash.
Quinn Wire & Iron Works ("National" Automatic for Large Cement Tile), Boone, Ia.
Raber & Lang Mfg. Co. ("Crescent" Molds for Drain Tile), Kendallville, Ind.
Snow Mfg. Co., 2437 E 24th, Los Angeles, Cal.
Tuerck-Mackenzie Machine Co., E 3d & Irving, Portland, Ore.

7995—Cement Shingle Machinery

Anchor Concrete Machinery Co. ("Anchor" Complete Building Tile Plants).
See adv index at end of book
Janesville Cement Co., Janesville, Wis.
Leavitt Mfg. Co., Urbana, Ill.

7996—Cement Weighing Machines (Automatic)

Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Richardson Scale Co., Passaic, N. J.

7997-8—Centering Machines

Binghamton Machine Works, Binghamton, N. Y.
Hanson-Whitney Machine Co. (Precision for Rough & Finished Work), 75 Bartholomew av, Hartford, Conn.
Hendey Machine Co. ("Hendey," Single & Double) Spindle), Torrington, Conn.
Huribut-Rogers Machinery Co., South Sudbury, Mass.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Rockford Drilling Machine Co. (Shaft), Rockford, Ill.
Twin-O-Matic Machine & Tool Co., Inc. (Automatic), 160 John, Brooklyn, N. Y.
Whiton D. E. Mfg. Co. ("Whiton" Revolving), New London, Conn.

7999—*Centering Machines (Two Spindle)

Whiton D. E. Mfg. Co. (Also One Spindle), New London, Conn.

8000—Centrifugal Machines (Laboratory)

American Tool & Machine Co. (Centrifugals, Dryers & Hydro-Extractors), 10 High, Boston, Mass.
Bausch & Lomb Optical Co., Rochester, N. Y.
Longeran J. E. Co., 211 Race, Phila., Pa.
Sharples Specialty Co., West Chester, Pa.
Williams, Brown & Earle (Hand, Water, Steam & Electric), 916 Chestnut, Phila., Pa.

8001—Ceramic Tile Machinery

Abbe Paul O., Inc. ("Abbebilt"), 924 Johnston bldg, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
HYDRAULIC PRESS MFG. CO. (Presses "H. P. M."), 24 Lincoln av, Mt. Gilead, Ohio
See adv index at end of book
Mueller Machine Co., Trenton, N. J.

Cereal Roasting Machines

See Coffee, Peanut, etc, Roasting Machines

8002—Chain Link Coiling Machines

Vaughn Machinery Co., Cuyahoga Falls, O.

8003—Chain Making Machinery

Baird Machine Co. (Automatic), Stratford av, Bridgeport, Conn.
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Breul Fred G. (Automatic), 282 Kossuth, Bridgeport, Conn.
Nordquist Mach. & Mfg. Co., 555 W Monroe, Chicago, Ill.
Smith Richardson Co., Attleboro, Mass.
Vaughn Machinery Co. (For Fire Welded Chains, etc.), Cuyahoga Falls, O.

8004—Chain Welding Machinery

Vaughn Machinery Co. (Fire Weld), Cuyahoga Falls, O.

8005—Chair Back Post Bending Machines

Jenkins Machine Co., Sheboygan, Wis.

8006— Chair Machinery

See also Cane-Seat Chair Machinery
American Wood Working Machinery Co., Rochester, N. Y.
Baldwin E. F., Gardner, Mass.
Chase Turbine Mfg. Co. (Chair Back Machines), Orange, Mass.
Cordesman-Rechtin Co., Butler, Cincinnati, O.
Fay J. A. & Egan Co., Cincinnati, O.
Gardner Machine Works (E. N. & W. H. Hobby, Props.), Gardner, Mass.
Goodspeed Machine Co. (Shapers & Planers), Winchendon, Mass.
Jenkins Machine Co., Sheboygan, Wis.
Linderman Steel & Machine Co., Muskegon, Mich.
McKnight L. G. & Son Co., Gardner, Mass.
Nash J. M. (Special), 842 30th, Milwaukee, Wis.
Purdy Chester, Ghent, O.
Whitney Baxter D. & Son, Winchendon, Mass.

8007— Chair Seat Machinery

Jenkins Machine Co. (Jointers, Notchers, Scoopers), Sheboygan, Wis.
Linderman Steel & Machine Co. (Dovetail Jointer), Muskegon, Mich.

8008—Chamfering & Crozing Machines

Clough & Witt Machine Co., 1740 Columbus rd, Cleveland, O.
Oram John S. Co. (& Howeling), 1316 E 53rd, Cleveland, O.
Rochester Barrel Machine Works, Rochester, N. Y.

8009—Change Making Machines

Johnson Fare Box Co. (Conductor's), 4619 Ravenswood av, Chicago, Ill.
McGill Metal Products Co. ("McGill"), 1649H Walnut, Chicago, Ill.
Staats W. H. Co., Cohoes, N. Y.

Channeling Machines

See Stone Channeling Machines

8010—Charging Machines (Open Hearth)

Alliance Machine Co., Alliance, O.
Brosius Edgar E., Benedum Trees bldg, Pittsburgh, Pa.
MORGAN ENGINEERING CO., Alliance, O.
Neumeyer & Dimond ("Demag" Imp), 82 Beaver, New York
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
Wellman-Seaver-Morgan Co. ("Wellman"), E 70th & Central av, Cleveland, O.

8011—Check Writing Machines

Defiance Check Writer Corp., Rochester, N. Y.
Hall-Welter Co., Rochester, N. Y.
Mallometer Co. ("Mall-O-Meter" & "Automat" endorser), 3455 Jefferson av E, Detroit, Mich.
New Era Mfg. Co. ("New Era"), 476 B'way, New York
Safe-Guard Check Writer Co., Inc., 5 Beekman, New York
TODD PROTECTOGRAPH CO. ("Protectograph," "Peerless"), 1147 University av, Rochester, N. Y.

8012—Cheese Box Machinery

Oakes & Burger Co., Cattaraugus, N. Y.
Premier Machinery Co., Oakland, Cal.
Yates P. B. Machine Co., Beloit, Wis.

8013—Cheese Box Nailing Machines

Morgan Machine Co., 1100H University av, Rochester, N. Y.
Premier Machinery Co., Oakland, Cal.

8014—Cheese Factory Machinery

Burrell D. H. & Co., Little Falls, N. Y.
Creamery Package Mfg. Co., 61 W Kinzie, Chicago, Ill.
Gehl M. C. Co., 3002 Meinecke av, Milwaukee, Wis.
Manning Mfg. Co., Dept. H, Rutland, Vt.
Oakes & Burger Co., Cattaraugus, N. Y.
Premier Machinery Co., Oakland, Cal.

8015— Chemical Machinery

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
American Tool & Machine Co. (Centrifugals & Hydro-Extractors), 10 High, Boston, Mass.
Badger E. B. & Sons Co., 75-A Pitts, Boston, Mass.
See adv index at end of book
Baker Iron Works, 950 N Broadway, Los Angeles, Cal.
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Bethlehem Shipbuilding Corporation, Ltd., Bethlehem, Pa.
BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Chemical Constr. Co. (Concentrators, Acid Plants, Recovery Plants, etc.), Charlotte, N. C.
Dorr Co., 1009 17th, Denver, Col.
Electron Chemical Co. (Electrolytic Cells for Chlorine & Caustic Soda Plants), 311½ Exchange, Portland, Me.
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Glamorgan Pipe & Foundry Co., Lynchburg, Va.
Hercules Engng. Corp. (Chlorine, Sulphur, Dioxide & Caustic Soda Plants), 300 Madison, New York
Johnson John C., 37th & 2nd av, Brooklyn, N. Y.
Lummus Walter E. Co., 171 Milk, Boston, Mass.
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.
Patterson Foundry & Machine Co., E Liverpool, O.
Phila. Coppersmithing Co., 808 N Front, Phila., Pa.
Smith T. L. Co. (Mixers), 1151 32nd, Milwaukee, Wis.
See adv index at end of book
Stokes F. J. Machine Co., 6138 Tabor, Phila., Pa.
Sturevant Mill Co. (Crushers, Grindstones, etc), Clayton & Park, Dorchester, Boston, Mass.
Tolhurst Mach. Wks., Troy, N. Y.
ZAREMBA CO. (Evaporators, Leaching Cells), 505 Crosby bldg, Buffalo, N. Y.
See adv index at end of book

8016-7—Cherry Pitting Machines

Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.
Premier Machinery Co., Oakland, Cal.

8018—Chewing Gum Machines

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Advance Mach. Co., 4645 Ravenswood av, Chicago, Ill.
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Clough & Witt Machine Co., 1740 Columbus rd, Cleveland, O.
Johnson John Co., 37th & 2nd av, Brooklyn, N. Y.
Mills Thos. & Bro., 8th & Thompson, Phila., Pa.
Premier Machinery Co., Oakland, Cal.
Savage Bros. Co., 2638 Gladys av, Chicago, Ill.

8019—Chocolate Coating Machines

Peters Machinery Co., 209 S La Salle, Chicago, Ill.
Racine Confectioners Machy. Co., Racine, Wis.

8020— Chocolate Machinery

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Carver Fred S., 8 W 40th, New York
Day J. H. Co., Cincinnati, O.
Kent Machine Works, 39 Gold, Brooklyn, N. Y.
Krenz Oscar Copper & Brass Works (Vacuum Pans), 612H Bryant, San Francisco, Cal.
National Equipment Co., Springfield, Mass.
Premier Machinery Co., Oakland, Cal.
Racine Confectioners Machy Co., Racine, Wis.
Ross Chas. & Son Co., 143 Classon av, Brooklyn, N. Y.

8021—Chucking, Boring & Turning Machines (Automatic)

Giddings & Lewis Mfg. Co., Fond du Lac, Wis.

8022— Chucking Machines

Acme Machine Tool Co., Cincinnati, O.
Baker Bros. (Vertical), Toledo, O.
Bickford H. & Co. ("Bickford" Vertical), Lakeport, N. H.
Brown & Sharpe Mfg. Co. (Horizontal & Vertical), Providence, R. I.
Bullard Machine Tool Co. (Vertical Turret Lathes), Brewster & Canfield, Bridgeport, Conn.
Fay & Scott, Dexter, Me.
Garvin Machine Co., 147 Varick, New York
Giddings & Lewis Mfg. Co. ("Conradson"), Fond du Lac, Wis.
Gisholt Machine Co. (Automatic 16 inch, 20 inch & 30 inch Swing), 1315 E Washington, Madison, Wis.
Greenlee Bros. & Co., 12th, Rockford, Ill.
Hamilton Machine Tool Co., Hamilton, O.
International Mach. Tool Co., W 21st St. & Belt Ry., Indianapolis, Ind.
Jones & Lamson Machine Co. ("Hartness"), Springfield, Vt.
King Machine Tool Co. (Vertical), Clifton av & B. & O. S. W. R. R., Cincinnati, O.
Le Blond R. K. Machine Tool Co., Cincinnati, O.
Lodge & Shipley Machine Tool Co., Cincinnati, O.
Millholland Mach. Co., 415 E 35th, Indianapolis, Ind.
New Britain Machine Co. (Automatic), New Britain, Conn.
Ober Mfg. Co. (Wood), Chagrin Falls, Ohio
Oliver Machinery Co., Grand Rapids, Mich.
Potter & Johnston Machine Co. ("Manufacturing Automatic"), Pawtucket, R. I.
Quint A. D. (Vertical), 8 Clinton, Hartford, Conn.
Reed-Prentice Co., 677 Cambridge, Worcester, Mass.
Rogers Machine Tool Co., Alfred, N. Y.
Springfield Machine Tool Co., Springfield, Ohio
Warner & Swasey Co., 5809 Carnegie av, Cleveland, O.

8023-4—Chucking & Turning Machines (Automatic)

Hartford Machine Screw Co., Hartford, Conn.
Potter & Johnston Machine Co., Pawtucket, R. I.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book

Cider Making Machinery

See Wine Making Machinery

8025— Cigar Box Machinery

Doig Wm. S. (Nailing, etc), 54 Franklin, Brooklyn, N. Y.
Grammes L. F. & Sons, 311 Union, Allentown, Pa.
See adv index at end of book
Shirk P. E., Blue Ball, Pa.

8026—Cigar Bunching Machines

Millen Du Brul & Peters Mfg. Co. ("Dubrul"), Norwood, Cincinnati, Ohio

8027— Cigar Machinery

American Machine & Foundry Co. ("Fresh Work," "Toscani Cheroot," "Cigar & Cheroot Rolling"), 5520 2d av, Brooklyn, N. Y.
Cigar Machine Corp. of Amer. (Automatic), 506 N Eutaw, Baltimore, Md.
Ermold Edward Co. (Branding Machine), 656 Hudson, New York
Grammes L. F. & Sons, 311 Union, Allentown, Pa.
See adv index at end of book
Liberman Mfg. Co., 20th & Allegheny, Philadelphia, Pa.
Miller Du Brul & Peters Mfg. Co. (& Molds, etc.), Norwood, Cincinnati, O.
Strieder J. W. Co. (Banding Machines, Automatic), 178 Ruggles, Boston, Mass.

8028-29-30—*Cigarette Box Machinery (Tin)

Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.

8031— Cigarette Machinery

American Machine & Foundry Co. ("Standard," "Cork Tip"), 2nd & 56th, **Brooklyn, N. Y.**
Comas Machine Co. (For Plain or Cork Tipped Cigarettes), Salem, Va.
Ludington Cigarette Mach. Co., Waterbury, Conn.
Miller Du Brul & Peters Mfg. Co., Norwood, Cincinnati, Ohio

8032-3—Cigarette Packing Machines

American Machine & Foundry Co. ("Pouch," "Foil"), 2nd & 56th, Brooklyn, N. Y.
Comas Machinery Co., Salem, Va.
Freese E. M. & Co., Galion, O.
Ryerson Jos. T. & Son, Inc., 2558 W 16th Chicago, Ill. *See adv index at end of book*
United Cigarette Mach. Co. (Ltd.), Lynchburg, Va.

8034—Circle & Flanging Machines

QUICKWORK CO., St. Marys, Ohio
See adv index at end of book
Ryerson Jos. T. & Son, Inc. ("Ryerson" High Speed Friction), 1558 W. 16th, Chicago, Ill. *See adv index at end of book*
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book

8035—Circular Folding Machines

American Multigraph Sales Co. ("Universal," Letter & Statement), 1832 E 40th, Cleveland, O.
Dick A. B. Co., 736 W Jackson blvd, Chicago, Ill.
Leffler Charles & Co. (Used in Packing Baking Powder, Medicines, etc), 59 Clymer, Brooklyn, N. Y.
Liberty Folder Co. ("Liberty"), Sidney, Ohio
Mentges Folder Co., Sidney, O.
Pruit Co., 112G N La Salle, Chicago, Ill.

8036—Circular Re-Sawing Machines

Braun J. G., 609 S Paulina, Chicago, Ill.
Connell & Dengler Mach Co., Rochester, N. Y.
Fay J. A. & Egan Co., Cincinnati, O.
Yates P. B. Machine Co., Beloit, Wis.

Circular Stone Sawing Machines

See Stone Sawing Machinery, with the words Circular Sawing following their names

8037— Clapboard Machinery

Lane Mfg. Co., Montpelier, Vt.
Union Iron Works, Bangor, Me.

8038—Clay Building Block Machinery

See also Brick Machinery also Brick Press Machines

Anderson Foundry & Machine Works, Anderson, Ind.
Bonnot Company, 722 Mulberry S. E., Canton, O.
Brewer H. & Co., Tecumseh, Mich.
FATE-ROOT-HEATH CO., Plymouth, O.
See adv index at end of book
Freese E. M. & Co., Galion, O.
Hadfield-Penfield Steel Co. (The), Bucyrus, O. *See adv index at end of book*

8039—Clay Filtering Machinery

Crossley Machine Co., State & Chestnut av, Trenton, N. J.

8040—Clay Grinding Machines

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Anderson Foundry & Mach. Works, Anderson, Ind.
Brown A. & F. Co. ("Cogswell"), 79 Barclay, New York
Crossley Machine Co., State & Chestnut, av, Trenton, N. J.
Fernholtz Brick Machinery Co., Boyle & Vandeventer av, St. Louis, Mo.
Fernholtz Machinery Co., 2053 E. 38th, Los Angeles, Cal.
See adv index at end of book
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Hadfield-Penfield Steel Co. (The), Bucyrus, O. *See adv index at end of book*
National Engineering Co., 549 W Washington blvd., Chicago, Ill.
United Iron Works, Inc., Kansas City, Mo.

8041—Clay Tempering Machinery

Crossley Machine Co., State & Chestnut av, Trenton, N. J.
National Engineering Co., 549 W Washington blvd., Chicago, Ill.

8042—Clay Washing Machinery

See also Clay Cleaning Machinery

Crossley Machine Co., State & Chestnut av, Trenton, N. J.
International Clay Machy. Co., Dayton, O.
Muell Machine Co., Trenton, N. J.
Patterson Foundry & Mach. Co., East Liverpool, O.

8043— Clay Working Machinery

See also Brick Press Machines, etc.

Buckeye Traction Ditcher Co. The (Clay Digger for Tile & Brick), Findlay, Ohio
Crossley Machine Co., State & Chestnut av, Trenton, N. J.
Detroit Steel & Casting Co., 4069H, Michigan, Detroit, Mich.
Fate-Root-Heath Co., Plymouth, Ohio
See adv index at end of book
FERNHOLTZ MACHY. CO., 2053 E 38th, Los Angeles, Cal.
See adv index at end of book
Geisbeek Engineering Co., Burke bldg, Seattle, Wash.
HADFIELD-PENFIELD STEEL CO. (THE), Bucyrus, O.
See adv index at end of book

Clay Working Machinery
For Making Every Clay Product
The Hadfield-Penfield Steel Co.
Bucyrus, O., U. S. A.

Ivens Wm. H. Sons Co. (Jiggers, Oval Dish & Plug Bowl Machines, Surface Grinders, etc), P. O. Box 647, Trenton, N. J.
Manufacturers Equipment Co., Dayton, O.
Marion Machine Foundry & Supply Co., Marion, Ind.
Potts C. & A. & Co., 816 Washington, Indianapolis, Ind.
Taplin-Rice-Clerkin Co. ("Pioneer"), Akron, O.
Union Engng. Co., Cuyahoga & W 4th, Cleveland, O.

8044—Cleat Sawing Machines

Mereen-Johnson Machine Co. (Gang Cleat Saws), 4400 Lyndale av N, Minneapolis, Minn.

8045— Clipping Machines

Barnard & Leas Mfg. Co. (Oats, Rice), 403 20th, Moline, Ill.
CHICAGO FLEXIBLE SHAFT CO. (for horses & cattle), 1150 S Central av, Chicago
See adv index at end of book
Gillette Clipping Machine Co. (Cattle, etc.), 120 W 21st, New York
Huntley Mfg. Co. ("Monitor" for Oats, Barley, Rice, etc), Silver Creek, N. Y.
Invincible Grain Cleaner Co. ("Invincible" Oat, Barley & Rice), Silver Creek, N. Y.
Matthews Jas. H. & Co. (For Gas, Water & Elec. Light Cos., also for Municipalities), 3942 Forbes, Pittsburgh, Pa.
See adv index at end of book

8046—Clock Pinion Turning Machines

Davenport Machine Tool Co. (Automatic), 167 Ames, Rochester, N. Y.

8047—Clock & Watch Makers' Machinery

Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
Draher John, Waterbury, Conn.
Nichols W. H. (Watchmakers'), Waltham, Mass.
Waltham Machine Works, Waltham, Mass.

8048-9—Closing Machines for Steel Lead Kegs

AM. CAN CO., 120 B'way, New York
See adv index at end of book

8050-1—Cloth Laying Machines

Shuttle Machine Co. ("Shuttle," "Wedg-Way," "Rod-Way"), 16 E 17th, New York

Cloth Room Machinery

See Textile Machinery & Supplies; for page number consult Index of Contents

8052—Clothes Pin Machinery

Goodspeed Machine Co., Winchendon, Mass.

8053-4—Clothes Pressing Machines

Beach-Russ Co., 38 Church, New York
See adv index at end of book
Behrstock L., 768 W Van Buren, Chicago,
Geyer Ed. J. ("Champion"), Rochester, N. Y.
Hoysradt & Case, Kingston, N. Y.
Leader Machine Co., 2841 N Francisco av, Chicago, Ill.
Lufkin Jno. W. & R. H., 38 Chardon, Boston, Mass.
Prosperity Co. (Steam), Syracuse, N. Y.
Rosenbaum Mfg. Co., 54 E. 9th, New York
Smith Drum & Co. (Knit Goods), Allegheny av & 5th, Philadelphia, Pa.
Stockwell & Co., 229 N Holliday, Baltimore, Md.
U. S. Cloth Cutting Machine Co., 414 W Broadway, New York
Zacharias Edwin H., Reading, Pa.

8055—Coal Breaker Machinery

Finch Mfg. Co., Scranton, Pa.
Grant Iron Works, Mahanoy City, Pa.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Milholland J. & J. B. Co., 714 5th av, Pittsburgh, Pa.
Pennsylvania Crusher Co. ("Bradford Breakers), Stephen Girard bldg, Phila., Pa.
Roberts & Schaefer Co., 1110 Wrigley bldg, Chicago, Ill.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Wilmot Engineering Co., Hazleton, Pa.

Coal Car Dumping Machines

See Car Dumping Machinery

Coal Crushing Machinery

See Crushers, Coal & Coke

8056—Coal Cutting Machines

See also Chain Mining Machines

Chicago Pneumatic Tool Co., 6 E 44th, New York. *See adv index at end of book*
Goodman Mfg. Co. (Electric), Halsted & 48th pl, Chicago, Ill.
INGERSOLL-RAND CO. ("Radialaxe," "Jackhamer" & "New Ingersoll" Entry Drivers), 11 B'way, New York
See adv index at end of book
JEFFREY MFG. CO. (Electric & Compressed Air), 961 N Fourth, Columbus, O. *See adv index at end of book*
Morgan-Gardner Electric Co. (Electric), 2640 Shields av, Chicago, Ill.
Old Royde Mining Machine Co., Spring Grove & Alabama, Cincinnati, Ohio
Sullivan Machinery Co. (Ironclad "Sullivan" Electric & Air "Tipturn" & "Turbinair"), 122 S Michigan av, Chicago, Ill.

8057—*Coal Cutting & Loading Machines

Eagle Iron Wks. (Loading), Terre Haute, Ind.

8057a—*Coal Drilling Machinery

DOOLEY BROS. (Superior Mounted Electric Coal Drill), 1201 S. Washington, Peoria, Ill.

Coal Punching Machines

See Coal Cutting Machines

8058—Coal Shearing & Undercutting Machines

INGERSOLL-RAND CO. ("Radialaxe"), 11 B'way, New York
See adv index at end of book

8059—Coal Washing Machinery

Bunting Iron Works, 1215H 1st Natl. Bk. bldg, San Francisco, Cal.
Deister Machine Co., Ft. Wayne, Ind.
Deister Concentrator Co., Fort Wayne, Ind.
Elmore, G. H., Wesley bldg., Phila., Pa.
Heyl & Patterson, 51 Water, Pittsburgh, Pa.
LINK-BELT COMPANY ("Luhrig," "Stewart" Process), 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Montgomery Coal Washing & Mfg. Co., Birmingham, Ala.
Penn. Crusher Co. ("Penna. Bradford" Coal Cleaner & Breaker), Stephen Girard bldg, Phila., Pa.
Pittsburgh Coal Washer Co., Fulton bldg, Pittsburgh, Pa.
Roberts & Schaefer Co., 1110 Wrigley bldg, Chicago, Ill.
Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.
Tamaqua Mfg. Co., Tamaqua, Pa.
WEBSTER MFG. CO., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book

8060—Coal & Ore Handling Machinery

See also Conveyors, Coal

Alliance Machine Co., Alliance, O.
Amsler-Morton Co., Fulton bldg, Pittsburgh, Pa.
Anniston Electric Steel Corp., Anniston, Ala.

BARTLETT & SNOW CO., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book

Bergen Point Iron Wks, Bayonne, N. J.

Brown Hoisting Machinery Co. (The) (Coal Storage, Coal Unloaders, Car Dumpers, etc.), 4408 St. Clair N E, Cleveland, Ohio
See adv index at end of book

Browning Co. (Coal Unloaders, Car Dumps, etc.), E 162nd & Waterloo rd, N. E., Cleveland, O.

Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book

Cleveland Crane & Engineering Co. (Coal), Dept. H, Wickliffe, Ohio

Denver Engineering Works Co., Denver, Colo.

Dow Co., 201H N Buchanon, Louisville, Ky.

Duncan Foundry & Machine Works, Alton, Ill.

Eagle Iron Wks. (Coal), Terre Haute, Ind.

FABREEKA BELTING CO. (Conveyor Belts), 120 High st, Boston, Mass.
See adv index at end of book

Fairfield Engng. Co., Marion, Ohio

Fairmont Mining Machy. Co., Fairmont, W. Va.

Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.

Gifford-Wood Co. (Coal Handling, Ashes), Hudson, N. Y.

Guarantee Construction Co., 92 West, New York

Hayward Company, 50 Church, New York
See adv index at end of book

HAYWARD BUCKETS
DIGGING MACHINERY
THE HAYWARD COMPANY
50 CHURCH STREET NEW YORK

Helmick Fdry. & Mach. Co., Fairmont, W. Va.

Hoover & Mason, 80 E Jackson blvd, Chicago, Ill.

Howe Scale Co. of Illinois, 1315 S Wabash av, Chicago, Ill.

Howlett W. E. Construction Co. (Coal Handling only), Moline, Ill.

Hunt C. W. Co., West New Brighton, N. Y. *See adv index at end of book*

JEFFREY MFG. CO., 961 N Fourth, Columbus, O.
See adv index at end of book

Johnston & Jennings Co., Addison rd & N. Y. C. R. R., Cleveland, O.

Lakeside Bridge & Steel Co., N Milwaukee, Wis.

Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.

Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

McLanahan-Stone Machine Co., Hollidaysburg, Pa.

McMYLER-INTERSTATE CO. (THE), (Also Ash), Cleveland, Ohio
See adv index at end of book

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Marion Machine Foundry & Supply Co., Marion, Ind.

Mead-Morrison Mfg. Co. (Automatic), cor Prescott & Orleans, East Boston, Mass.

Milholland J. & J. B. Co., 714 5th av, Pittsburgh, Pa.

Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.

New Jersey Foundry & Machine Co. ("Delta"), 90 West, New York

OHIO LOCOMOTIVE CRANE CO., Frederick, Bucyrus, Ohio
See adv index at end of book

Schaefer Co., 1110 Wrigley ...ago, Ill.

...ING BELT CO., 15 Park ...at book

Robinson H. Mfg. Co. (Coal Yard Elevator Only), Muncy, Pa.

Sackett H. B. Screen & Chute Co., 1091 Elston av, Chicago, Ill.

STEARNS CONVEYOR CO. (Conveying), St. Clair & E 200th, Cleveland, Ohio

Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.

Toledo Crane Co., Bucyrus, Ohio

Union Engineering Co., Sayahoga & W 4th, Cleveland, O.

United Iron Works, Inc., Kansas City, Mo.

WEBSTER MFG. CO., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book

Weller Mfg. Co., 1856 W Kostner av, Chicago, Ill.

Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, O.

Coat & Hat Hook Machines (Automatic)

See Wire Forming Machinery

Coating Machines for Roofing

See Paper, Saturating, Coating & Water-Proofing Machines

8061—Coating Mill Machinery

Koegel Chas. & Sons, Holyoke, Mass.
Waldron Jno. Co., New Brunswick, N. J.

8062— Cockle Machines

Barnard & Leas Mfg. Co., Moline, Ill.
Howes S. Co. Inc., Silver Creek, N. Y.
Prinz & Rau Mfg. Co., 659 E Water, Milwaukee, Wis.

8063— Cocoa Machinery

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*

Angus Engineering Co., 15 Moore, New York

Hydraulic Press Mfg. Co. (Presses "HPM")), 24 Lincoln av, Mount Gilead, Ohio
See adv index at end of book

Natl. Equipt. Co., Springfield, Mass.

Premier Machinery Co., Oakland, Cal.

8064—Cocoa Plantation Machinery

Mason Marcus & Co., Inc., 201 Devonshire, Boston, Mass.

8064a—Code Machines (Electric)

Hebern Electric Code, Inc. ("Hebern Code"), Oakland Bank bldg, Oakland, Cal.

8065—Coffee Cooling, Stoning & Elevating Machinery

Huntley Mfg. Co., Silver Creek, N. Y.
Lambert Machine Co., Marshall, Mich.

8066—Coffee Grading Machines

Howes S. Co. Inc., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.
Johnson & Field Mfg. Co., Racine, Wis.
Sprout Waldron & Co., Muncy, Pa.
See adv index at end of book
Squier Geo. L. Mfg. Co., Buffalo, N. Y.

8066a— *Coffee Machinery

Squier Geo. L. Mfg. Co., 490 B'way, Buffalo, N. Y.

8067—Coffee, Peanut & Cocoa Bean Roasting Machines

Bartholomew Co., Peoria, Ill.
Burns Jabez & Sons, 11th av & 43rd, New York
Deer A. J. Co., The, Hornell, N. Y.
Dunbar & Co. (Peanut & Pop Corn Roasters), 2652 W Lake, Chicago, Ill.
Hilbert Machine Co., 2116 Colerain av, Cincinnati, O.
Huntley Mfg. Co. ("Monitor" Coffee Roasters), Silver Creek, N. Y.
Kingery Mfg. Co. (Peanut Only), 420 E Pearl, Cincinnati, O.
Lambert Machine Co., Marshall, Mich.
Lange Henry G., 162 N May, Chicago, Ill.
Luehrs Co., The, 118 St. Clair av, N E, Cleveland, Ohio
See adv index at end of book
LUEHRS ELECTRIC HEATING CO., 118 St. Clair av, N E, Cleveland, Ohio
See adv index at end of book

8068—Coffee Polishing Machines

Howes S. Co. Inc., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.

8069—Coffee Roasting Machines (Complete Plants)

Deer A. J. Co., The, Hornell, N. Y.
Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.

8070—Coffee & Rice Cle... chinery

Blymyer Iron Works Co., Cincinnati,
Howes S. Co. Inc. (Hulling & Gradi... Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor"), Sil... Creek, N. Y.
Invincible Grain Cleaner Co., Silver Creek, N. Y.
Johnson & Field Mfg. Co., Racine, Wis.
Mason Marcus & Co., Inc., 201 Devonshire, Boston, Mass.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Robinson H. Mfg. Co., Muncy, Pa.
Salem Iron Works (Coffee Only), Winston-Salem, N. C.
Sprout Waldron & Co., Muncy, Pa.
See adv index at end of book
Squier Geo. L. Mfg. Co., B'way & Mortimer, Buffalo, N. Y.

8071—Coffee & Rice Plantation Machinery

Angus Engineering Co., 15 Moore, New York
Blymyer Iron Works Co., Cincinnati, O.
Engelberg Huller Co. (Hullers & Polishers), Syracuse, N. Y.
Franklin Machine Co., Providence, R. I.
See adv index at end of book
Mason Marcus & Co., Inc., 201 Devonshire, Boston, Mass.
Salem Iron Works (Coffee), Winston-Salem, N. C.
Squier Geo. L. Mfg. Co., B'way & Mortimer, Buffalo, N. Y.

8072-3—Coffee & Spice Mill Machinery

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.

8074—Coiling Machines (Wire)

Baird Machine Co. (Automatic), Stratford av, Bridgeport, Conn.
Koegel Chas. & Sons Inc., Holyoke, Mass.
Manville E. J. Machine Co., Waterbury, Conn.
Morgan Construction Co., Worcester, Mass.
SLEEPER & HARTLEY (INC.), 335 Chandler, Worcester, Mass.
See adv index at end of book
Torrington Mfg. Co., Torrington, Conn.

8075—Coin Counting Machines

Abbott Coin Counter Co., Wales av & 106th, New York
Automatic Appliance Co. (Automatic Counting & Packing), 172 Columbus av, Boston, Mass.
Johnson Coin Counting Machine Co. ("Johnson"), 237 Lafayette av, New York

Coin Operating Machines

See Vending Machines.

8076—Coin Wrapping Machines

Automatic Coin Wrapping Machine Co. ("Batdorf"), 80 Greenwich, New York
Lamson Co., Inc., Syracuse, N. Y.

8077— Coining Machines

BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Ferracute Machine Co., Bridgton, N. J.
Johnson Iron Works Dry Dock & Ship Bldg. Co., Inc., Morgan & Sequin, New Orleans, La.
Lourie Hydraulic Press Co., Springfield, Ill. *See adv index at end of book*
Providence Press Machinery Co. Inc., 23rd & 11th av, New York
See adv index at end of book

Coke Crushing Machinery

See Crushers, Coal & Coke.

8078—Coke Drawing & Loading Machines

Covington Machine Co., Covington, Va.
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book

8078a— Coke Handling Machinery

Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
BARTLETT & SNOW CO., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Jeffrey Mfg. Co., 961 N Fourth, Columbus, O. *See adv index at end of book*
Link-Belt Company, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.

The Anchor Concrete Machinery Co.

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8079-80—Coke Oven Machinery

American Coke & Chemical Co., 208 S La Salle, Chicago, Ill.
Atlas Car & Mfg. Co., Cleveland, Ohio
See adv index at end of book
Connellsville Mfg. & Mine Supply Co. (Rectangular), Connellsville, Pa.
Covington Machine Co. ("Covington"), Lexington, Covington, Va.
Kutztown Foundry & Machine Co., 1421 Chestnut, Phila., Pa.
See adv index at end of book
Marion Mach., Fdy. & Supply Co., Marion, Ind.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
Variety Iron & Steel Works Co., Hamilton av & E 40th, Cleveland, O.
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, O.

8081—Cold Rolling Machines

See also Mills, Cold Rolling

Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
Combination Engine Co., 3148 Penn av, Pittsburgh, Pa.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Yoder Co., 5570H Walworth, Cleveland, O.

8082—Cold-Saw Cutting-Off Machines

American Saw Works, Hackettstown, N. J.
Braun J. G., 609 S Paulina, Chicago, Ill.
Burr John T. & Son, 429 Kent av, Brooklyn, N. Y.
Cochrane-Bly Co., Rochester, N. Y.
Consolidated Mach. Tool Corp. of Amer., 17 E 42nd, New York
See adv index at end of book
Earle Gear & Machine Co. ("Lea-Simplex"), 4707 Stentson, Philadelphia, Pa.
Espen-Lucas Machine Works, 8 Front, Philadelphia, Pa.
Greenfield Tap & Die Corp. ("Nutter & Barnes"), Greenfield, Mass.
Higley Machine Co., Croton Falls, N. Y.
Hub Machine Welding & Contracting Co. **("Acme"), 450 N 12th, Phila., Pa.**
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Knowlton Machine Co., Westbrook, Me.
Lea-Courtenay Co., 5 Main, Newark, N. J.
Mackintosh-Hemphill Co. (Horizontal, for Rolling Mills), 12th & Etna, Pittsburgh, Pa.
Modern Machine Tool Co., Jackson, Mich.
Nutter & Barnes Co., Hinsdale, N. H.
Roberson W. Machine & Foundry Co. **("Economy"), 56 Rano, Buffalo, N. Y.**
Ryerson Joseph T. & Son ("Ryerson"-High Speed Friction), 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Tindel-Morris Co. ("Paragon" High Duty), Eddystone, Pa., & Ellwood City, Pa.
United Engineering & Foundry Co. (High Speed Heavy), Farmers Bk. bldg, Pittsburgh, Pa.
Vandyck Churchill Co. ("Higley"), 85 Liberty, New York

8083—Cold Saw Cutting-Off Machines (Multiple)

Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book

8084—Cold Saw Sharpening Machines

Cochrane-Bly Co., Rochester, N. Y.
Higley Machine Co., Croton Falls, N. Y.

8085—Collapsible Tube Closing Machines

Colton Arthur Co., 2600H, E Jefferson, Detroit, Mich.
Standard Spec. & Tube Co., New Brighton, Pa.
Stokes F. J. Machine Co., 6138 Tabor, Phila., Pa.

8086—Collapsible Tube Filling Machines

Colton, Arthur Co., 2600H E Jefferson, Detroit, Mich.
Standard Spec. & Tube Co., New Brighton, Pa.
Stokes F. J. Machine Co., 6138 Tabor, Phila., Pa.

8086a—Collapsible Tube Making Machinery

BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book

8087—Collar Folding Machines

Interstate Machinery Co., Troy, N. Y.
Sweet & Doyle Foundry & Machine Co., Green Island, N. Y.

8088—Collar Molding Machines

National Chemical Co. ("Prosperity"), Syracuse, N. Y.

8089—Collar Seam Dampening Machines

American Laundry Machinery Co., Cincinnati, O.
Chicago Laundry Machinery Co. ("Floran"), 213 W Grand, Chicago, Ill.
Interstate Machinery Co., Troy, N. Y.
National Chemical Co., Syracuse, N. Y.
Zeidler Wm. A. Co., 182 Locust, New York

8090—Collar Shaping Machines

Chicago Laundry Machinery Co. ("Floran"), 213 W Grand, Chicago, Ill.
Interstate Machinery Co., Troy, N. Y.
Zeidler Wm. A. Co. ("20th Century"), 182 Locust, New York

8091—Collar & Cuff Laundry Machinery

Troy Laundry Machinery Co. (Ltd.), 824 S Michigan blvd, Chicago, Ill.

8092—Comb & Hair Pin Machinery & Tools

Baird Machine Co. (Automatic Hair Pin Machinery), Stratford av, Bridgeport, Conn.
Grimes & Harris (Horn), Leominster, Mass.
Standard Tool Co. (Horn, Tortoise Shell, Celluloid or Rubber), 300 Whitney, Leominster, Mass.

8093—Commutator Slotting Machines

Electric Service Supplies Co. ("Peerless"), 17th & Cambria, Phila., Pa.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Wood Chas. N. Co., 14 Federal, Boston, **Mass.**

8094—Compressed Yeast Machinery

Erhart Chris, 954 Cleveland, Cincinnati, O.

8095— Computing Machines

See also Adding Machines

Comptograph Co., 33 S La Salle, Chicago, Ill.
Computer Mfg. Co. ("Ross" Engineering), 340H Sansome, San Francisco, Cal.
Felt & Tarrant Mfg. Co. ("Comptometer"), 1717 N. Paulina, Chicago, Ill.
Lanston Monotype Mach. Co., 24th & Locust, Phila., Pa.
Marchant Calculating Machine Co., Emeryville, Cal.
Mechanical Accountant Co., 17 Warren, Providence, R. I.

8096—Concrete Building Block Machinery

ANCHOR CONCRETE MACHINERY CO. ("Hobbs," "Anchor," also Concrete Structural Tile Machinery), 530 Dublin av, Columbus, O.
See adv index at end of book
Besser Mfg. Co. ("Eureka"), Alpena, Mich.
Bragstad Concrete Machy. Co., Canton, S. Dak.
Cardington Cabinet Co. ("Diamond"), Cardington, O.
Cement Machy. Co. ("Monarch"), Jackson, Mich.
Colgan Machinery & Supply Co., Columbus, O.
Concrete Products Mould Co. ("Flam Wet Mix" System), Slauson av, cor. Iron, Los Angeles, Cal.
Concrete Stone & Sand Co. ("Pautey," Wax Machines), Youngstown, O.
Dunn W. E. Mfg. Co., Holland, Mich.
Eclipse Machine Mfg. Co., Kendallville, Ind.
Enterprise Foundry Co. ("Perfection"), Rochester, N. Y.
Foote J. B. Foundry Co., Frederickstown, Ohio
Hall, J. P., ft Henderson, 588 Central av, Jersey City, N. J.
Helm Brick Machine Co., Cadillac, Mich.
IDEAL CONCRETE MACHINERY CO. (CONCRETE BLOCK MACHINERY for the manufacture of concrete building blocks, either plain or of face design. Machines are furnished either for hand or power operating, in the following sizes: 8x4x16, 8x6x16, 8x8x16, 8x10x16 and 8x12x16; also in 24" lengths), 5007 Spring Grove av, Cincinnati, O.
See adv index at end of book
Lansing Co., Lansing, Mich.
McKenzie Mfg. Co., La Crosse, Wis.
Miles Mfg. Co., Jackson, Mich.
Moore Plow & Implement Co., Mich.
Multiplex Concrete Machy. Co., [illegible]

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Block Plant Mixer
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Northwestern Steel & Iron Works, Eau Claire, Wis.
Pettyjohn Co., Terre Haute, Ind.
Quinn Wire & Iron Works, Boone, Ia.
Raber & Lang Mfg. Co., Kendallville, Ind.
Reed Mfg. Co., Springfield, O.
Rempis & Gallmeyer Foundry Co., Grand Rapids, Mich.
Republic Iron Wks., Tecumseh, Mich.
Rowell D. G. ("Samson"), Appleton, Wis.
Somers Bros. Mfg. Co., Urbana, Ill.
Steward Mfg. Co., Waterloo, Ia.
Van Guilder Double Wall Co., Wagner bldg, Rochester, N. Y.
Willsea Works ("Hercules"), Dept. H, Rochester, N. Y.
Youngstown Engineering Co., Youngstown, O.
Zagelmeyer Cast Stone Block Machy. Co. (Zagelmeyer System), Bay City, Mich.

Concrete Pipe Machinery

See Cement Sewer Pipe Machinery

Concrete Post Machines

See Cement Post Machinery

8096a—Concrete Products Plant Mixers

Ideal Concrete Machinery Co. (CONCRETE PRODUCTS PLANT MIXERS. Paddle type designed especially for mixing semi-dry material for use in concrete block, brick or tile plants. Can be supplied in two sizes—9 and 14 cubic foot capacities. Also adaptable for mixing of dry materials), 5007 Spring Grove av, Cincinnati, Ohio
See adv index at end of book

Concrete Roofing Tile Machinery

See Cement Shingle Machinery

8097—Concrete Structural Tile Machines

ANCHOR CONCRETE MACHINERY CO. ("Anchor"), 530 Dublin av, Columbus, Ohio
See adv index at end of book
Concrete Stone & Sand Co. ("Pauly," for Partitions, etc), Youngstown, O.
Eberling Mchy. Co., 1319 Williamson bldg, **Cleveland, O.**
Ideal Concrete Machinery Co. (CONCRETE BUILDING TILE MACHINERY. These machines are furnished in both hand and automatic types for manufacture of the following standard sizes of building tile: 5x4x12", 5x8x12" and 5x12x16"), 5007 Spring Grove av, Cincinnati, Ohio
See adv index at end of book
Kramer Automatic Tamper Co., Peoria, Ill.

8098—Condensed Milk Can Machinery

Angelus Sanitary Can Machy. Co. ("Angelus"), Pacific blvd & 49th, Los Angeles, Cal.
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Premier Machinery Co., Oakland, Cal.

8099—Condensed Milk Machinery

Angelus Sanitary Can Mach. Co. ("Angelus"), Pacific blvd at 4th, Los Angeles, Cal.
Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Climax Machinery Co. Indianapolis, Ind.
Harris Arthur & Co., 212 Curtis, **Chicago, Ill.**
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.
Premier Machinery Co., Oakland, Cal.

8100—Conductor Pipe & Eave Trough Machinery

Canton Foundry & Machine Co. ("Universal"), Canton, O.
See adv index at end of book

8101-2—Conduit Machinery

Hadfield-Penfield Steel Co. (The), Bucyrus, O. *See adv index at end of book*

8103—Conduit Threading Machines

Cope T. J. ("Cope's"), 2112 Sansom, Phila., Pa.

8104—Confectioners' Machinery

See also Dough Mixing & Kneading Machinery, etc
Alexander & Cox Co., 23588 Ogden, Chicago, Ill.
Allis-Chalmers Mfg. Co. (Candy Pulling Machines), Milwaukee, Wis.
See adv index at end of book
Anderson J. P. & Co. (Mixing Machines, Cutters, Graters, Rools, etc), 422 N 6th, Phila., Pa.
Bakers Specialty Co. (Dlrs), 1115 Farnam, Omaha, Neb.
Barbour, Stockwell Co., Cambridgeport, Mass.
Bucyrus Copper Kettle Works Co. (The), Bucyrus, O.
Buhr, Pfaff & Co. ("Heilman" Candy Rolling Machines, etc), 2d & Race, Cincinnati, O.
Collum Mfg. Co. (Candy & Cream Coolers, Cutters, etc.), 926 Main, Hartford, Conn.
Combustion Utilities Corp., 8-10 Bridge, New York
Electric Heating & Mfg. Co. ("Apfel's" Electric Batch Heater, Chocolate Dipping Tables), Westlake & Republic, Dept. H, Seattle, Wash.
Furman-Fisher Corp., 32 Church, New York
Hilbert Machine Co., 2116 Colerain av, Cincinnati, O.
Igoa Mfg. Co., Springfield, O.
Knott E. R. Machine Co., 32 Dorchester, Boston, Mass.
Lange Henry G., 172 N May, Chicago, Ill.
Long W. Z. Co. (Crispette Machines), Springfield, O.
Mills Thos. & Bro. (Mixers, Cutters, Freezers, etc), 8th & Thompson, Phila., Pa.
Murkland Jno. W. Co., Barton, Vt.
National Equipment Co., Springfield, Mass.
Philadelphia Coppersmithing Co., 803 N. Front, Philadelphia, Pa.
Premier Machinery Co., Oakland, Cal.
Racine Confectioners' Machinery Co. (Chocolate Mixers, Syrup Coolers, Cream Beaters, etc.), Racine, Wis.
Rittenhouse Frank (Nougat Cutting Machines, etc), Norristown, Pa.
Savage Bros. Co. (Mixers, Chewing Gum Machines, Revolving Pans, etc), 2638 Gladys av, Chicago, Ill.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Thomson Machine Co. (Bakers'), Belleville, N. J.
Werner John & Sons (Labor Saving Confectionery Machines), Rochester, N. Y.

Conveying Machinery

See Conveyors of Various Kinds

8105—Cooling Machines (Vegetable Canneries)

Anderson Barngrover Mfg. Co., 333 W Julian, San Jose, Cal.
Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.

Cooperage Machinery

See Barrel, Keg, Stave & Heading Machinery

8106— Coping Machines

Chambersburg Engineering Co., Chambersburg, Pa.
Cleveland Punch & Shear Works Co., 3917 St. Clair av, N E Cleveland, O.
See adv index at end of book
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Ironton Punch & Shear Co., Ironton, O.
KLING BROS. ENGINEERING WORKS, 1300 N Kostner av, Chicago, Ill.
See adv index at end of book
Long & Allstatter Co. (Beam Coping, etc), Hamilton, O.
Mackintosh-Hemphill Co., 12th & Etna, Pittsburgh, Pa.
Pels Henry & Co., Inc., 90 West, New York
See adv index at end of book
PITTSBURGH - DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Rock River Machine Co. ("Badger"), Janesville, Wis
Sipp Machine Co., Keen & Warren, Paterson, N. J.
Williams, White & Co. (Coping & Punching Machines), Moline, Ill.

8106a—Copper Casting Machines

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book

8107—Copper Converting Machinery

Alliance Machine Co., Alliance, O.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book

8108—Copper Working Machinery

Portage Lake Foundry & Machine Co., Hancock, Mich.

Cord Wood Sawing & Splitting Machines

See Kindling Wood Machinery

8109— Cordage Machinery

Brownell G. L., 49 Union, Worcester, Mass.
Haskell-Dawes Machine Co., 176 Federal, Boston, Mass.
Kelly R. A. Co., Zenia, O.
Watson Bros. Machine Co., Bound Brook, N. J.
Watson Mach. Co. (Also Rope), Dept. H, Paterson, N. J.

8110— Core Box Machines

Oliver Machinery Co., Grand Rapids, Mich.
Portland Co. ("Thomas"), Portland, Me.
Rochester Barrel Machine Works, Rochester, N. Y.

8111—Core Cutting Machines

American Fdry. Equipment Co., The, 366 Madison av, New York
Lewis Machine Co. (Wire), 6303 Central, Cleveland, O.
Sullivan Machinery Co. (Pneumatic), Peoples Gas bldg, Chicago, Ill.
Wadsworth Core Mach. & Equip. Co., 10 W Buchtel, Akron, O.

8112—Core Jarring Machines

Tabor Mfg. Co., 18th & Hamilton, Phila., Pa.

8113-4-5—Core Making Machines

AMERICAN FDRY. EQUIPMENT CO., THE ("Hammer"), 366 Madison av, New York
Arcade Mfg. Co., ("Arcade" Roll Over), Freeport, Ill.
Demmler Wm. & Bro., Kewanee, Ill.
Grimes Molding Machine Co. ("Grimes" Jolt Ramming), 5736 Hastings, Detroit, Mich.
International Molding Machine Co. ("International"), 2614 W 16th, Chicago, Ill.
Kane & Roach, Niagara & Shonnard, Syracuse, N. Y.
McCormick J. S. Co., 25th & A. V. R. R., Pittsburgh, Pa.
Wadsworth Core Machine & Equipment Co., 10 W Buchtel, Akron, O.

8116—Core Tapering Machines

American Fdry. Equipment Co., The, 366 Madison av, New York
Wadsworth Core Machine & Equipment Co., 10 W Buchtel, Akron, O.

8117—Core Testing Machines

Wadsworth Core Machine & Equipment Co., 10 W Buchtel, Akron, O.

8118—*Cork Compound Mixing Machines

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
National Engineering Co., 549 W Washington blvd, Chicago, Ill.

8119—Cork Cutting Machinery

Abbe Engineering Co. ("Abbebilt"), 38 Church, New York
See adv index at end of book
Abbe Paul O. Inc., 71A Murray, New York
See adv index at end of book
Barber M. A., Norwich, Conn.

8120— Cork Machinery

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
MECCA MACHINERY CO. (Automatic Cork & Disk Blockers, etc.), 85-87 Adams, New York

Corking Machines

See Bottle Corking Machines.

8121—Corking Machines (Preservers')

VILTER MFG. CO., 1046 Clinton, Milwaukee, Wis. *See adv index at end of book*

8122—Corn Cutting Machines

Jones & Lamson Mach. Co. ("Fay"), Springfield, Vt.
Morral Bros., Morral, O.
Premier Machinery Co., Oakland, Cal.
Sprague Canning Machinery Co. (For Canners), 222 N Wabash av, Chicago, Ill.
Superior Hay Stacker Mfg. Co., Linneus, Mo.
Voss Bros. Mfg. Co. ("Little Giant"), Davenport, Ia.

8123—Corn Husking Machines

Huntley Mfg. Co. ("Monitor" for Green Corn), Silver Creek, N. Y.
Invincible Grain Cleaner Co. ("Invincible"), Silver Creek, N. Y.
Morral Bros., Morral, O.
Peerless Husker Co. ("Peerless"), 523 Cornwall, Buffalo, N. Y.
Premier Machinery Co., Oakland, Cal.

8124— Corn Mill Machinery

Blymyer Iron Works Co. (Cleaners, Shellers, Crushers, etc), Cincinnati, O.
French Oil Mill Machinery Co., Piqua, O.
Gump B. F., 431H S Clinton, Chicago, Ill.
Howes S. Co., Inc., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor" Cleaners, Graders, Scourers, Polishers, Cracked Corn Separators & Graders, Corn Meal Bolters & Refiners), Silver Creek, N. Y.
Invincible Grain Cleaner Co. (Scourers & Separators), Silver Creek, N. Y.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Premier Machinery Co., Oakland, Cal.
Robinson H Mfg. Co., Muncy, Pa.
Sprout Waldron & Co., Muncy, Pa.
See adv index at end of book
Starr B. F. Co., 445 Guilford av, Baltimore, Md.
Wolf Co., Chambersburg, Pa.

8125—Corn Mixing Machines

Premier Machinery Co., Oakland, Cal.
Sprague-Sells Corp. (For Canners), 508 N Dearborn, Chicago, Ill.

8126— Corn Oil Machinery

Buckeye Iron & Brass Works, 322 E 3rd, Dayton, Ohio
See adv index at end of book
Callahan W. P. Co., Dayton, O.
Cardwell Machine Co., 1900 E, Cary, Richmond, Va.
Elmes Chas. F. Engineering Works, cor Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
French Oil Mill Machinery Co., Piqua, O.
Hydraulic Press Mfg. Co. (Presses "HPM"), 24 Lincoln av, Mount Gilead, Ohio
See adv index at end of book
Platt Iron Works Co., Dayton, O.
Premier Machinery Co., Oakland, Cal.

Corn Shelling Machines

See Shellers, Corn

8127—Corn Silking Machines

Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.
Morral Bros., Morral, O.
Premier Machinery Co., Oakland, Cal.
Sprague-Sells Corp. (For Canners), 508 N Dearborn, Chicago, Ill.

8128—*Cornice Makers' Machinery

See also Sheet Metal Workers' Machines & Tools; also Cornice Brakes
Niagara Machine & Tool Works, Buffalo, N. Y.

8129—Corporation Cock Inserting Machines

Mueller H. Mfg. Co., Decatur, Ill.
See adv index at end of book
Smith A. P. Mfg. Co. ("Shelley," for Water Works), East Orange, N. J.

8130—Corrugated Joint Fastener Driving Machines

Morgan Machine Co., Rochester, N. Y.
Saranac Machine Co. ("Saranac"), Benton Harbor, Mich.

8131—Corrugated Paper Machinery

Langston Sam'l M., 6th & Jefferson, Camden, N. J.
Potdevin Machine Co., 1221 38th, Brooklyn, N. Y.

Corrugated Paper Printing Machines

See Box Board Printing Machines

8132— Corrugating Machines

See also Sheet Metal Workers' Machines & Tools
Keene Geo. C. & Co., 2327 Florence av, Cincinnati, O.
Loafea S., 5740 Elizabeth, Oakland, Cal.
Peck, Stow & Wilcox Co., Southington, Conn.
Poorman O. O. Co. (Roll), New Bremen, O.
Robinson J. M. Mfg. Co., 3282 Spring Grove av, Cincinnati, O.
Ryerson Joseph T. & Son, 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Streine Tool & Mfg. Co., New Bremen, O.
Topeka Foundry & Iron Wks., Topeka, Kan.

8133— Corset Machinery

Adams A. L., 307 Adams, Bridgeport, Conn.
Baird Machine Co., Stratford av, Bridgeport, Conn.
Nilson A. H. Machine Co. (Automatic Eye Feeders, Stud Rivetting & Corset Steel Covering), 55 William, Bridgeport, Conn.

8134— Cotter Pin Machinery

Baird Machine Co. (Automatic), Stratford av, Bridgeport, Conn.

Cotton Machinery

See Textile Machinery, etc. For page number consult Index of Contents.

8135—Cotton Cleaning Machines

American Machine & Mfg. Co., Atlanta, Ga.
Saco-Lowell Shops (For Cleaning & Preparing Cotton For Medical Purpose), Boston, Mass.
Terrel Machine Co. ("Termaco," "Utsman" & "Keanol" Bobbin & Quill), 1200H N Church, Charlotte, N. C.

8136—Cotton Ginning Machinery

Alsop Process Co. ("Alsop" Boll Extractor), St. Louis, Mo.
Avery B. F. & Sons (Handles), Louisville, Ky.
Brown Cotton Gin Co., New London, Conn
Cameron & Barkley Co. (Long Stop), 160 Meeting, Charleston, S. C.
Carver Cotton Gin Co., East Bridgewater, Mass.
Centennial Cotton Gin Co., Columbus, Ga.
Continental Gin Co. ("Munger," "Eagle," "Pratt"), Birmingham, Ala.
Dulaney W. F. & Sons (Dirs.), Paris, Tex.
Gantt Mfg. Co., Macon, Ga.
Gullett Gin Co., Amite City, La.
Houston Car Wheel & Machine Co., Houston, Tex.
Kelly G. A. Plow Co. (Handles), Longview, Tex.
Liddell Co., Charlotte, N. C.
Lummus Machinery Co., Spartanburg, S. C.
Massey Gin & Machine Works, Macon, Ga.
Murray Co., Dallas, Tex.
Peerless Cotton Gin Co., Spartanburg, S. C.

8137—Cottonseed Oil Machinery

Atlanta Utility Works, Atlanta, Ga.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Bauer Bros. Co. (Disc Hullers, Cake Breakers, Attrition Mills, Crushers, Separators, Shakers & Cleaners), Bauer bldg, Springfield, O.
Brown Cotton Gin Co., New London, Conn.

Buckeye Iron & Brass Works, 322 E 3rd, Dayton, Ohio
See adv index at end of book
Callahan W. P. Co., Dayton, O.
Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Carver Cotton Gin Co., East Bridgewater, Mass.
Continental Gin Co. (Linter Feeders, Condensers, Presses, etc), Birmingham, Ala.
Davidson & Kennedy Co., 872 N Ashley, Atlanta, Ga.
French Oil Mill Machinery Co., Piqua, O.
Houston Car Wheel & Machine Co., Houston, Tex.
Hydraulic Press Mfg. Co. ("HPM"), 24 Lincoln av, Mount Gilead, O.
See adv index at end of book
Lombard Iron Works & Supply Co., Augusta, Ga.
Luehrs Electric Heating Co., 118 St. Clair av, N E, Cleveland, Ohio
See adv index at end of book
Murray Co., Dallas, Texas
Platt Iron Works Co., Dayton, O.
Premier Machinery Co., Oakland, Cal.
Robinson H. Mfg. Co., Muncy, Pa.
Sprout Waldron & Co., Muncy, Pa.
See adv index at end of book

8138—Cotton Picking Machines

Price-Campbell Cotton Picker Corp., 15 Wall, New York
Vacuum Cotton Picking Mach. Co., St. Louis, Mo.

8139-40— Cotton Tie Machines

Columbus Truck & Supply Mfg. Co. (Also Cleaning), Columbus, Ga.
Lombard Iron Works & Supply Co., Augusta, Ga.
West Point Iron Works, West Point, Ga.

8141— Counting Machines

Burgess & Norton Mfg. Co. ("Bur-Nor"), Geneva, Ill.
Computing Scale Co., Dayton, O.
Durant Mfg. Co. ("The Productimeter"), 655 Buffum, Milwaukee, Wis.
Durbrow & Hearne Mfg. Co., 12 Wooster, New York
Hart R. A. Mfg. Co. ("Standard" Gear Counter), 91 Wilson ct, Battle Creek, Mich.
National Scale Corp. ("National"), 11 Hendricks, Chicopee Falls, Mass.
Payne Furnace & Supply Co. ("Hart & Cooley"), 154-162 N Los Angeles, Los Angeles, Cal.
Premier Machinery Co., Oakland, Cal.
Redington F. B. Co. ("American," "Redington" Can, Ratchet, Printing Press & Lever), 112 S Sangamon, Chicago, Ill.
Richardson Scale Co. ("Richardson" Reciprocating), Passaic, N. J.
Root Chas. J. ("Elm City," "Bristol," "Roco"), Bristol, Conn.
Sheppard J. E. Co. ("Peerless"), 21 Buckingham rd, Worcester, Mass.
Veeder Mfg. Co. (Automatic), Hartford, Conn.

8142—Coupling Bending Machines

Pipe Machinery Co. (Pipe Mill), 930 E 70th, Cleveland, O.
United Engineering & Foundry Co. (For

8143—Coupling Expanding Machines

Larkin Mfg. Co. ("Buckley" Hydraulic), Dayton, O.
United Engineering & Foundry Co., Farmers' Bk. bldg, Pittsburgh, Pa.

8144—Coupling Rolling Machines

United Engineering & Foundry Co., Farmers' Bk. bldg, Pittsburgh, Pa.

8145—Coupling Screwing Machines

Taylor-Wilson Mfg. Co., McKees Rocks, Pa.

8146—Coupling & Pulley Forcing Machines

Woonsocket Machine & Press Co., Woonsocket, R. I.

8147—Cow Milking Machines

Burrell D. H. & Co., Inc. ("Burrell B-L-K"), Little Falls, N. Y.
Empire Cream Separator Co., Bloomfield, N. J.
Groff F. A. & Son, St. Johnsville, N. Y.
Hinman Milking Machine Co., Oneida, N. Y.
Mehring Wm. M., Keymar, Md.
Mullins Mfg. Co., Brillion, Wis.
Perfection Mfg. Co., 2119 E, Hennepin, Minneapolis, Minn.
Premier Machinery Co., 310 Sansome, San Francisco, Cal.
See adv index at end of book
Sharples Milker Co. ("Sharples" & "Moto Milker"), West Chester, Pa.
Starch Bros. Co. ("Victory"), La Crosse, Wis.
Success Milking Machine Co., 1033 Winnetge, Milwaukee, Wis.
Universal Milking Machine Co., 18 W Mound, Columbus, O.
Waterloo Gasoline Engine Co. ("Waterloo Boy"), Waterloo, Ia.

8148—*Cracker & Biscuit Box Machinery (Sheet Metal)

Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.

8149—Cracker & Biscuit Machinery

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Ams Max Machine Co. (Box Making), 101 Park av, New York
See adv index at end of book
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Champion Machinery Co., Joliet, Ill.
Day J. H. Co., Cincinnati, O.
Green Thos. L. & Co., 206 Miley, Indianapolis, Ind.
PETERS MACHINERY CO., 4700 Ravenswood av, Chicago, Ill.
Rockwell L. A. Co. ("Excelsior" Biscuit), 430 Smith, Brooklyn, N. Y.

8150—Cranberry Assorting Machines

Trenton Pattern Works, Trenton, N. J.

8151—Crank Pin Turning Machines

Niles-Bement-Pond Co., 111 B'way, New York
See adv index at end of book
Pedrick Tool & Mach. Co., 3640 N Lawrence, Phila., Pa.
Rooksby E. J. & Co. (Portable), 1055 Hamilton, Phila., Pa.
Sawyer-Weber Tool Mfg. Co. ("Weber"), 350 S Alameda, Los Angeles, Cal.
Stow Flexible Shaft Co., 26th & Callowhill, Phila., Pa.
Street R. R. & Co., Inc., 549 Washington blvd, Chicago, Ill.
Tindel, Morris Co. (Lathes), Eddystone, Pa.
Underwood H. B. Corp. (Portable), 1025 Hamilton, Phila., Pa.
Wickes Bros., Saginaw, Mich.
See adv index at end of book

8152—Crank Shaft Cold Saw Cutting Off Machines

Consolidated Mach. Tool Corp. of Amer. (Inserted Tooth Saw Blade), Rochester, N. Y. *See adv index at end of book*

8153— Crate Machinery

Chase Turbine Mfg. Co., Orange, Mass.
Saranac Machine Co., Benton Harbor, Mich.
Wheland Company, W. Side & 27th, Chattanooga, Tenn.

8154—Crate Slat Cutting Machines

Trevor Mfg. Co., Lockport, N. Y.

8154a— Crayon Machinery

Huber Machy. Co., 261 46th, B'klyn, N. Y.

8155— Creamery Machinery

See also Separators, Cream

Berg Machine Works, 1123 S Los Angeles, Los Angeles, Cal.
Burrell D. H. & Co., Little Falls, N. Y.
Clinton Mfg. Co., Clinton, Wis.
Creamery Package Mfg. Co., 61 W Kinzie, Chicago, Ill.
Dobson Mfg. Co., Rockford, Ill.
FABREEKA BELTING CO. (Belting for Creameries), 120 High, Boston, Mass.
See adv index at end of book
Gehl M. C. Co., 3002 Meinecke av, Milwaukee, Wis.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book



Jensen Creamery Machy. Co., Nelson & Locust av, Bloomfield, N. J.
Manning Mfg. Co., Dept. H, Rutland, Vt.
Meyer Geo. J. Mfg. Co. ("Meyerbilt"), 598 Clinton, Milwaukee, Wis.
National Dairy Machine Co., Goshen, Ind.
Oakes & Burger Co., Cattaraugus, N. Y.
Peters Machinery Co., 209 S. La Salle, Chicago, Ill.
Premier Machinery Co., 310 Sansome, San Francisco, Cal.
See adv index at end of book
Rice & Adams, Buffalo, N. Y.
Sharples Milker Co. ("Babcock" Milk Tester & "Sharples" Milking Machines), Dept. H, West Chester, Pa.
Vermont Farm Machine Co., Bellows Falls, Vt.

8156—Creasing Machines (Paper, Cloth & Strawboard)

Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.

8157—*Crimping Machines for Tops on Tooth Powder Boxes

AMERICAN CAN CO. (Machinery Dept.), Monroe bldg, Chicago, Ill.
See adv index at end of book
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.
Ryerson Joseph H. & Son (Crimping), 2558 W 16th, Chicago, Ill.
See adv index at end of book

8158—Crimping Machines (Varnish Can Nozzle)

Consolidated Fruit Jar Co., New Brunswick, N. J.
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.

8159—Crimping & Beading Machines

See also Sheet Metal Workers' Machine & Tools

Ams Max Machine Co. ("Ams"), 101 Park av, New York
See adv index at end of book
BLISS CO., E. W. (Sheet Metal), 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Busch J. C. Co. (Hand), 140 Ferry, Milwaukee, Wis.
Cameron Can Machinery Co., 240 N Ashland av, Chicago, Ill.
Ferracute Machine Co., Bridgton, N. J.
Kardong Bros., Minneapolis, Minn.
Leffler Chas. & Co. (for Can Makers, etc.), 59 Clymer, Brooklyn, N. Y.
Loafea S., 5740 Elizabeth, Oakland, Cal.
Loy & Nawrath Co., 25 Runyon, Newark, N. J.
Metz & Bowles (Beading), Clinton, Ill.
Niagara Machine & Tool Works, Buffalo, N. Y.
Packham Crimper Co. ("Packham" Stove & Conductor Pipe Crimpers), Mechanicsburg, Ohio
Peck, Stow & Wilcox Co., Southington, Conn.
QUICKWORK CO., St. Marys, Ohio
See adv index at end of book
Robinson J. M. Mfg. Co., 3282 Spring Grove av, Cincinnati, O.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Slaysman & Co. (Canmakers'), 801 E Pratt, Baltimore, Md.
Swaine Fred J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.
Wold, Torris & Co. (For Can Makers), 240 N Ashland av, Chicago, Ill.

8160—Cross Cut Bolting Saw Machines

Rochester Barrel Machine Works, Rochester, N. Y.

Cross Cut Sawing Machines

See Drag Sawing Machines

Cross Tie Machines

See Railroad Cross Tie Machines

8161—*Crucible Paste Mixing Machinery

Abbe Paul O. Inc., 71A Murray, New York
See adv index at end of book
Crossley Machine Co., State & Chestnut av, Trenton, N. J.
National Engineering Co., 549 W Washington blvd, Chicago, Ill.

8162— Cupel Machines

Braun-Kuecht-Heinmann Co. ("Braun"), 576-584 Mission, San Francisco, Cal.
Calkins Co. ("Advance"), Los Angeles, Cal.
Denver Fire Clay Co. ("Iler"), Denver, Colo.
Iler Co., 6605 St. Clair, Cleveland, Ohio

8163—Curled Hair Machinery

Hood R. H. Co., 1842 Germantown av, Phila., Pa.

8164—Curtain Pole Machines

Smith H. B. Machine Co., Smithville, N. J.

8165—Curtain Pole Sanding & Finishing Machines

Pringle & Brodie, 514 S Canal, Chicago, Ill.

8166—Cutlery Polishing Machines

Dilg-Fleet Mfg. Co., Inc., The ("Acme," "Defiance" Renovator & Polisher), 27 E. 125th, New York
Klotz Machine Co., Sandusky, Ohio

8167—Cutting Machines (for Fabrics)

American Electric Cutting Mach. Co., 151 Lafayette, New York
Artos Engineering Co., 306 Milwaukee, Milwaukee, Wis.
Eastman Machine Co. ("Eastman"), 779 Washington, Buffalo, N. Y.
Hurlbut-Rogers Machinery Co., S Sudbury, Mass.
U. S. Cloth Cutting Mach. Co., 414 W Broadway, New York
Universal Cutter Co., 4567 Scott av, St. Louis, Mo.
Wildman Mfg. Co., Norristown, Pa.

8167a— Cutting Machines (Oxy-Acetylene)

Oxweld Acetylene Co., 30 E 42d, New York
See adv index at end of book

8167b—Cutting Metal (High Speed) Machines

Peerless Machine Co., 1619 Racine, Racine, Wis.

Cutting-Off Machines (Cold Metal)

See Metal Cutting-Off Machines; also Cold Saw Cutting-Off Machines

Cutting-Off Machines (Wood)

See Wood Cutting-Off Machines

8168-9—Cutting-Off and Centering Machines

Etna Machine Co. ("Etna" for Gas Pipe, Small Bars, etc.), Maplewood av, Toledo, Ohio

Cyanide Machinery

See Cyanide Plants

8170-1— Dado Machines

Amer. Woodwkg. Machy. Co., Rochester, N. Y.
Billingsley P. L. Co., 427 Elm, Cincinnati, Ohio
Cordesman-Rechtin Co., 215 Butler, Cincinnati, O.
Force W. A. & Co., 535 Pearl, New York
1264 W North av, Chicago, Ill.
Hall & Brown Woodworking Machine Co. (Combination Saw & Dado Machines), 1911 N. Broadway, St. Louis, Mo.
Jones Superior Machine Co. ("Superior" Combination Saw & Dado Machine), New Britain Machine Co. ("New Britain," Window Frame), 190 Chestnut, New Britain, Conn.

Dairy Machinery

See Creamery Machinery

8172— Dating Machines

American Perforator Co. ("American" Perforator), 625 W Jackson blvd, Chicago, Ill.
American Railway Supply Co., 134 Charles, New York
Automatic Electrical Machine Co., Inc. ("Insto;" also ticket cutters), 1241 High, Oakland, Cal.
Cummins Perforator Co. (Label), 4740 W Ravenswood av, Chicago, Ill.
Premier Machinery Co., Oakland, Cal.
Roberts Numbering Mach. Co. ("Bates" Automatic), 706 Jamaica av, Brooklyn, N. Y.
Swisher R. D. Mfg. Co., 415H S Clinton, Chicago, Ill.
Traut & Hine Mfg. Co. ("Climax"), New Britain, Conn.

8172a— *Decating Machines

PARKS & WOOLSON MACHINE CO., Springfield, Vt.
See adv index at end of book

8173—Diamond Drilling Machines

Lake Shore Engine Works, Marquette, Mich.

8174— Dictating Machines

Columbia Grafonola Shop, 4 W 37th, New York
Edison Thomas A., Orange, N. J.
Pruitt Co. (Dlrs.), 170 N Wells, Chicago, Ill.

8175— Die Casting Machines

Indiana Die Casting Development Co. (Stationary), Indianapolis, Ind.
Precisions Castings Co. Inc., Syracuse, N. Y.
Soss Mfg. Co., Grand av, Brooklyn, N. Y.

8176—Die Chamfering Machines

Hartford Machine Screw Co., Hartford Conn.

8177—Die Cutting Machines

Keller Mechanical Engraving Co., 70 Washington, Brooklyn, N. Y.
Oldfield Barney Mfg. Co., 18th & Hill, Los Angeles, Cal.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book

8177a—*Die Forming Machines

Anderson Die Machine Co. ("Anderson") 544 Iranistan av, Bridgeport, Conn.

8177b—Die Muzzling Machines

Anderson Die Machine Co. ("Anderson" For Relieving Threading Dies), Bridgeport, Conn.
Clark-Mesker Co., 18511 Euclid av, Cleveland, Ohio.

8178—Die Plate Hammering Machines

Bates Machine Co., Joliet, Ill.

8179—Die Sharpening Machines

Becker Milling Machine Co. ("Becker"), Hyde Park, Mass.
National Machinery Co., Tiffin, O.

8180— Die Sinking Machines

Billings & Spencer, Park & Laurel, Hartford, Conn.
Clark-Mesker Co., 18511 Euclid av, Cleveland, Ohio.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Dixon Wm. (Dlrs), 119 Fulton, New York
Jackson Machine Tool Co., Jackson, Mich.
Perkins Henry Co. (Die Making), Bridgewater, Mass.
PRATT & WHITNEY CO., Hartford, Conn.
See adv index at end of book
Reed-Prentice Co. ("Becker"), 677 Cambridge, Worcester, Mass.
Royle Jno. & Sons (Routers), Paterson, N. J.

8181—Die Sinking & Milling Machines (Combined)

Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Simmons Machine Co., Inc., 937 Broadway, Albany, N. Y.

8182-3—Die Slotting & Shaping Machines

Cochrane-Bly Co., Rochester, N. Y.

Digging Machinery

See Ditching Machines; also Shovels, Steam

Digging Machinery (Canal)

See Shovels, Steam

Disc Notching Machines (Armature)

See Armature Disc Notching Machines

8184—Disc Sanding Machines

Gardner Machine Co., Thompson st, Beloit, Wis.
See adv index at end of book
Jones Superior Mach. Co., 1264 W North av, Chicago, Ill.
Oliver Machinery Co., Grand Rapids, Mich.
PORTER-CABLE MACHINE CO. (THE) (Bench or Pedestal Models. Portable. Motor Driven Vacuum Dust Remover), 708 N Salina, Syracuse, N. Y.
See adv index at end of book

8185—Dish Washing Machines

(Names with * also manufacture Monel Metal)

Automatic Dishwasher Co. ("Otomatik"), 2 E. 23rd, New York
*Blakeslee G. S. & Co. ("Niagara," "Blakeslee" Glass, Silver & Metal Washers), W 19th & S 52nd av, Cicero, Ill.
Born Steel Range Co., 3945 W 25th, Cleveland, Ohio
Campbell Wm. Co., 160 Merritt, Detroit, Mich.
Chicago Hardware Foundry Co., Chicago, Ill.
Clifton Specialty Co., Inc. (Family), 895 Niagara, Buffalo, N. Y.
*Crescent Washing Machine Co., New Rochelle, N. Y.
Crystal Washing Machine Co., 1113 Gratiot, Detroit, Mich.
Dietz Mfg. Co. ("Drumfire"), Dept H, Findlay & Canal, Cincinnati, Ohio
*Fearless Dish Washer Co., Rochester, N. Y.
Fitzgerald Mfg. Co. (Electric, Household), Dept. H, Torrington, Conn.
General Ry. Signal Co. ("G. R. S."), Rochester, N. Y.
*Hamilton-Low Co. ("Champion," "Vortex"), 62 Van Winkle av, Jersey City, N. J.
Insinger Co., Stenton av, Phila., Pa.
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Jewel Electric & Mfg. Co. ("Jewel"), 4505 Ravenswood, Ravenswood, Chicago, Ill.
Knox Motors Co. ("Holiday" Electric), Springfield, Mass.
Mermaid Dish Washer Co. ("Mermaid"), Dept. H, Middletown, Conn.
Murdock Dishwashing Machinery Co. Marion, Ohio
National Dish Water Co. ("Little Giant"), Binghamton, N. Y.
Success Dish Washing Machine Co., Wooster, O
Surgex Mfg. Co., 829 Harrison, Oakland, Cal.
Western Elec. Co., 463 West, New York
Wonder Portable Dishwasher Co. ("Surgex"), 829 Harrison, Oakland, Cal.
Wrought Iron Range Co., 5661 Natural Bridge av, St. Louis, Mo.

8186—Disinfecting Machinery

American Sterlizer Co., Erie., Pa.
Kny-Scheerer Co., 119 7th av, New York
McLauthlin Geo. T. Co., 120 Fulton, Boston, Mass.
Vogel Wm. & Bros. (Automatic Drip), 37 S 9th, Brooklyn, N. Y.

8186a— Dissolving Machines

Lummus Walter E. Co. (For Caustic Soda & Similar Lump Chemicals), 171 Milk, Boston, Mass.

8187— Distillers' Machinery

Caldwell W. E. Co., Louisville, Ky.
Kaestner & Hecht Co., 500 Throop, Chicago, Ill.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Simpson-Orville Co., 1230 Knowlton, Cincinnati, O.
Squier Geo. L. Mfg. Co., B'way & Mortimer, Buffalo, N. Y.

8188— Ditching Machines

See also Road Machines & Graders; also Road Scrapers, Drag & Wheel; also Shovels, Steam; also Ditching Machines, Traction

American Road Machinery Co., Kennett sq., Pa.
Austin Machinery Corp. Dorr at Westwood av, Toledo, Ohio
Bay City Dredge Works, Bay City, Mich.
Buckeye Traction Ditcher Co. (Traction), Findlay, O.
Byers Machine Co. (The), (Dragline Machines), 242 Sycamore, Ravenna, Ohio
Edwards C. D., Albert Lea, Minn.
Enterprise Co., Columbiana, O.
Geijsbeek Engineering Co., Burke bldg, Seattle, Wash.
Good Roads Machinery Co., Kennett Square, Pa.
Harnischfeger Corp., Milwaukee, Wis.
See adv index at end of book
International Ditching & Road Machinery Co., Owensboro, Ky.
Jeschke Edw., Bellevue, O.
KEYSTONE DRILLER CO., Beaver Falls, Pa. *See adv index at end of book*
Little Giant Co. ("Little Giant"), Mankato, Minn.
Marion Steam Shovel Co., P. O. Box 505, Marion, O.
Osgood Co., Marion, Ohio
Owensboro Ditcher & Grader, Owensboro, Ky.
Parsons Co., Newton, Ia.
Russell Grader Mfg. Co. ("Russell" Grader & Ditcher), 2005 Univ. av, S E, Minneapolis, Minn.
Ruth Dredger Mfg. Co. (Irrigation), Boyle av nr Slauson av, Huntington Park, Los Angeles, Cal.
Sargent Tile Ditcher Co. ("Sargent" Tile Ditcher), Ft. Dodge, Ia.
Simplex Farm Ditcher Co. ("Simplex"), Owensboro, Ky.
Smith & Sons Mfg. Co., Kansas City Mo.
Stockton Iron Works, Lindsay & Harrison, Stockton, Cal.
Umstead Power Ditcher, Upper Sandusky, Ohio
United Iron Works, Inc. ("Bowman" "Turner Drg Line"), Kansas Clay, Mo.
Wickes Bros., Saginaw, Mich.
See adv index at end of book

8189—Ditching Machines (Railroad)

See also Ditching Machines; also Shovels Steam

American Hoist & Derrick Co. ("American"), St. Paul, Minn.
Austin Mfg. Co., 910 S Mich. av, Chicago, Ill.
Buckeye Traction Ditcher Co. ("Buckeye" Traction Ditcher), Findlay, O.
Gade, C. L., Iowa Falls, Ia.
Jordan O. F. Co., 181H Calumet Trust & Savings Bank bldg, East Chicago, Ind.
Mahoney Railroad Ditching Machine Co., Vincennes, Ind.
Marion Steam Shovel Co., P. O. Box 505, Marion, O.
Parsons G. W. Co., Newton, Pa.
United Iron Works, Inc. ("Bowman"), Kansas City, Mo.
Western Wheeled Scraper Co., Aurora, Ill.

8190—Ditching Machines (Tile)

Austin Machinery Corp., Dorr at Westwood av, Toledo, Ohio
Bennet H. L. & Co. ("Bennet"), Westerville, O.
Buckeye Traction Ditcher Co. ("Buckeye" Gasoline & Traction), Findlay, O.
Ditcher Mfg. Co. ("Globe"), 1701 N. E. Madison, Minneapolis, Minn.
Gade, C. L., Iowa Falls, Ia.
Harnischfeger Corp., Milwaukee, Wis.
See adv index at end of book
Jeschke Edw. ("Cyclone"), Bellevue, O.
St. Paul Machinery Mfg. Co. ("Hovland"), Como & Marion, St. Paul, Minn.
Stockton Iron Works, Lindsay & Harrison, Stockton, Cal.

8191—Ditching Machines (Traction)

See also Ditching Machines

Buckeye Traction Ditcher Co., Findlay, O.
Marion Steam Shovel Co., P. O. Box 505, Marion, O.
Parsons Co., Newton, Ia.

8192—Double Seam & False Wire Machines

BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Wold, Torris & Co. (For Can Makers), 240 N Ashland av, Chicago, Ill.

8193— Double Seaming Machines

Adriance Machine Works (Automatic), 30 Richard, Brooklyn, N. Y.
Ams Max Machine Co., 101 Park av, New York
See adv index at end of book
Angelus Sanitary Can Mach. Co. ("Angelus"), Pacific blvd at 49th, Los Angeles, Cal.
BLISS CO., E. W. (Sheet Metal), 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Leffler Chas. & Co. (For Can Makers, etc), 59 Clymer, Brooklyn, N. Y.
Niagara Machine & Tool Works, Buffalo, N. Y.
Peck, Stow & Wilcox Co., Southington, Conn.
Premier Machinery Co., Oakland, Cal.
Robinson J. M. Mfg. Co., 3282 Spring Grove av, Cincinnati, O.
Swaine Fred. J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.
Toledo Machine & Tool Co., Toledo, O.
Zeh & Hahnemann Co., Vanderpool, Newark, N. J.

8194—Dough Breaking Machines

Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Champion Machinery Co. (Automatic), Joliet, Ill.
Rockwell L. A. Co. (Upright & Reversible), 430 Smith, Brooklyn, N. Y.

8195— Dough Dividing Machines

American Bakers Machinery Co., 1600 Kingshighway, St. Louis, Mo.
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Champion Machinery Co. ("Champion"), Joliet, Ill.
Day J. H. Co., Cincinnati, O.
Dutchess Tool Co. ("Van Houten" Automatic), Beacon, N. Y.
Katzinger Edw. Co. ("Ekco" Automatic), 122 N Peoria, Chicago, Ill.
Triumph Mfg. Co. ("Triumph"), 3400 Spring av, Cincinnati, O.
Zoeller Wm. Co. ("36 Part"), 325 N Curtis, Chicago, Ill.

8196—Dough Mixing & Kneading Machinery

See also Mixers, Bread

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
American Bakers Machinery Co., 1600 Kingshighway, St. Louis, Mo.
American Oven & Machine Co. ("New Era"), 111 W Wash., Chicago, Ill.
Baker's Sons J. & Perkins Co., Inc. ("Monarch," "Peerless," 78 Different Classes & Types), White Plains, N. Y.
Champion Machinery Co., Joliet, Ill.
Christiana Machine Co., Christiana, Pa.
Day J. H. Co., Cincinnati, O.
Elmes Chas. F. Engineering Works, cor Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Jaburg Bros, 10 Leonard, New York
National Engineering Co., 549 W Washington blvd, Chicago, Ill.
Peerless Bread Machine Co., Sidney, Ohio.
Read Machinery Co. ("Three-Speed"), York, Pa.
Rockwell L. A. Co., 430 Smith, Brooklyn, N. Y.
Triumph Mfg. Co. ("Triumph"), 3400 Spring av, Cincinnati, Ohio

The Index to Trades is the key to the vast stores of information in

HENDRICKS COMMERCIAL REGISTER

Always Use It

8197— Dough Molding Machines

American Bakers Machinery Co., 2121 N 9th, St. Louis, Mo.
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Day J. H. Co., Cincinnati, O.
Peerless Bread Machine Co., Sidney, Ohio.
Thomson Machine Co. ("Thomson," Combination Roll), Belleville, N. J.
Triumph Mfg. Co., 3400 Spring av, Cincinnati, O.

8198—Dovetail Glue Matching Machines

Linderman Steel & Machine Co., Muskegon, Mich.

8199— Dovetail Machines

American Steam Pump Co. ("Boult's"), Battle Creek, Mich.
Dodds Alex. Co. (Gang), Grand Rapids, Mich.
Fay J. A. & Egan Co., Cincinnati, O.
Linderman Steel & Machine Co., Muskegon, Mich.
St. Paul Machinery Mfg. Co., Como & Marion, St. Paul, Minn.
Wysong & Miles Co., Greensboro, N. C.

Dowel Machines

See Rod, Pin & Dowel Machinery

8200—Dowel Cutting & Pointing Machines

Dauber Bell Machine Co., Oshkosh, Wis.

8201—Dowel Door Machinery

Hayes E. B. Machy. Corp., Oshkosh, Wis.
Wilkin-Challoner Co., Oshkosh, Wis.

8202—Dowel Driving Machines

Dauber Bell Machine Co., Oshkosh, Wis.

8203— Dowelling Machines

Goodell-Pratt Co., Greenfield, Mass.
Stanley Rule & Level Plant, New Britain, Conn.

8204— Drafting Machines

Defiance Mfg. Co., 384 Broadway, New York
Universcal Drafting Machine Co., 1426 W 3d, Cleveland, Ohio.
Weber F. Co., 1220 Buttonwood, Phila., Pa.

8205—Drag Sawing Machines

Appleton Mfg. Co. ("Hero"), Batavia, Ill.
Atkins E. C. & Co., 402 S. Illinois, Indianapolis, Ind.
Challoner Co., Oshkosh, Wis.
Cocker Saw Mfg. Co., Lockport, N. Y.
Farquhar A. B. Co. (Ltd.), York, Pa.
Gerlach Peter Co., 1708 Columbus, Cleveland, Ohio
Heebner & Sons (Horse Power), Lansdale, Pa.
Henderson W. K. Iron Works & Supply Co., Shreveport, La.
Howell R. R. & Co., 31st av, Minneapolis, Minn.
Kline Lewis T., Alpena, Mich.
Mill & Mine Supply Co. ("Titan"), 317 1st av S, Seattle, Wash.
Multnomah Iron Works ("Multnomah"), 30th & Nicolai, Portland, Ore.
Oliver Machinery Co., Grand Rapids, Mich.
Reierson Machinery Co. ("King of the Woods"), 1295 Hood, Portland, Ore.
Rochester Barrel Mach. Wks., Rochester, N. Y.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Sumner Iron Works, Everett, Wash.
Taylor Iron Works & Supply Co., Macon, Ga.
Vaughan Motor Works, 475 E Main, Portland, Ore.
Wade R. M. & Co. (Gasoline, 4 H. P.), 322 Hawthorne av, Portland, Ore.
Worden W. H. Co. ("Blue Streak" Dirs), 126 Pine, San Francisco, Cal.

8206— Drain Tile Machinery

See also Cement Sewer Pipe Machinery

Arnold-Creager Co., New London, O.
Bonnot Co., Canton, O.
Brazil Machine & Foundry Co., Brazil, Ind.
Brewer H. & Co., Tecumseh, Mich.
Cardington Cabinet Co. (Hand), Cardington, O.
Fate-Root-Heath Co., Plymouth, O.
Freese E. M. & Co., Galion, O.
HADFIELD-PENFIELD STEEL CO., Bucyrus, O. *See adv index at end of book*
International Clay Machy. Co., Dayton, O.
Quinn Wire & Iron Works, Boone, Ia.
Wallace Mfg. Co., Frankfort, Ind.
Willsea Works, Dept. H, Rochester, N. Y.

8207-8—Draw Bridge Machinery

See also Bridge Machinery for Bascule Bridges

Currier Cyrus & Sons, 365 Market, Newark, N. J.
Earle Gear & Machine Co., 4707 Stenton, Philadelphia, Pa.
Fairbanks Morse & Co., 900 S Wabash av, Chicago, Ill.
Fawcus Machine Co., 2818-2828 Smallman, Pittsburgh, Pa.
See adv index at end of book
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
McMyler-Interstate Co., Cleveland, O.
See adv index at end of book
Smith Theo. & Sons Co., ft Essex, Jersey City, N. J.
Vulcan Iron Works, 327 N Irving av, Chicago, Ill.

8209-10—Dredging Machinery

See also Excavators, Steam; also Excavating Machinery

Albert & Davidson Pipe Corp., 256-264 Oakland, Brooklyn, N. Y.
See adv index at end of book
Atkinson W. H. Co., Hoboken, N. J.
Bartlett A. F. & Co., Saginaw, Mich.
Bay City Dredge Works, Bay City, Mich.
Bennett W. H. K., 20 E Jackson blvd, Chicago, Ill.
Bethlehem Shipbuilding Corp., Ltd., 20th & Michigan, San Francisco, Cal.
Browning Co., E 162d & Waterloo rd N E, Cleveland, O.
Bucyrus Co., South Milwaukee, Wis.
Dibert, Bancroft & Ross Co., Ltd., Tulane & Hagan av, New Orleans, La.
Duncan Co., 508 Water, Toledo, O.

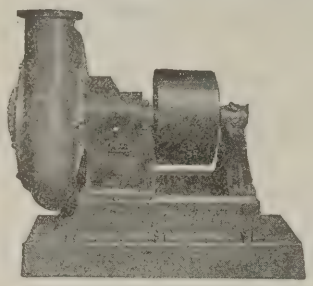
(Continued on following page)

Hydraulic Dredges

Dredging Pumps **Sewage Pumps**

Hydraulic Dredging Machinery

Sand and Gravel Dredges





Write us if you wish to be placed on our mailing list to receive our regular bulletins or dredging pumps and dredges

ELLICOTT MACHINE CORPORATION

1111 BUSH STREET, BALTIMORE, MARYLAND, U. S. A.

Dredging Machinery—Continued

Earle Gear & Machine Co., 4707 Stenton, Philadelphia, Pa.

ELLICOTT MACHINE CORP (Hydraulic), 1111 Bush, Baltimore, Md.
See adv index at end of book

Fairbanks Steam Shovel Co. (Steam Dredges), Marion, O.

FLORY S. MFG. CO., Bangor, Pa.
See adv index at end of book

Golden Gate & Miners Iron Wks., 249 1st, San Francisco, Cal.

Hammond Mfg. Co., 54 1st, Portland, Ore.

Hardie Tynes Mfg. Co., Birmingham, Ala.

HAYWARD COMPANY (Using All Types of Automatic or Grab Buckets & Drag Scraper Buckets), 50 Church, New York *See adv index at end of book*

HAYWARD BUCKETS
DIGGING MACHINERY
THE HAYWARD COMPANY
50 CHURCH STREET NEW YORK

Houston Car Wheel & Machine Co., Houston, Tex.

Jackson Byron Iron Works, Berkeley, Cal.

Jackson & Church Co., Saginaw, Mich.

Jennings Pump & Dredge Co., 180 N, Dearborn, Chicago, Ill.

LINK-BELT COMPANY, 300 W. Pershing rd, Chicago, Ill.
See adv index at end of book

Manitowoc Shipbuilding Co. (Steel & Dipper Dredges), Manitowoc, Wis.

Marion Steam Shovel Co., P. O. Box 505, Marion, O.

New York Engineering Co. (Gold), 2 Rector, New York

Osgood Co., Marion, Ohio

Pittsburgh Model Engine Co. (4 6, & 8 cylinder vertical engine), Lexington & McPherson. Pittsburgh, Pa.

Portland Co., Portland, Me.

Pusey & Fones, H Poplar, Wilmington, Del.

Republic Pipe & Iron Corp., 23H Varick av, Brooklyn, N. Y.
See adv index at end of book

Ruth Dredger Mfg. Co., Boyle av nr Slawson av, Huntington pk, Los Angeles, Cal.

Smith Theo. & Sons Co., ft Essex, Jersey City, N. J.

Stockton Iron Works (Portable), Stockton, Cal.

Superior Iron Works Co., Superior, Wis.

Toledo Foundry & Machine Co., Toledo, O.

Treadwell M. H. Co., 140 Cedar, New York

Union Construction Co., H Balfour bldg., San Francisco, Cal.

United Iron Works, Oakland, Cal.

Wickes Bros. (Dry Land), Saginaw, Mich.
See adv index at end of book

YUBA MFG. CO., 433 California, San Francisco, Cal.

8211—Dredging Machinery (Gasoline)

Bucyrus Co. (Excavators), S Milwaukee, Wis.

Fairbanks Steam Shovel Co., Marion, O.

8212—Dredging Machinery (Hydraulic)

Bennett W. H. K., 20 E Jackson blvd, Chicago, Ill.

Bucyrus Co., South Milwaukee, Wis.

Dravo Contracting Co., 1100 Diamond Bank bldg, Pittsburgh, Pa.

ELLICOTT MACHINE CORP., 1111 Bush, Baltimore, Md.
See adv index at end of book

Great Lakes Engineering Works. Real Estate Exch. bldg, Detroit, Mich.

Jennings Pump & Dredge Co., 180 N, Dearborn, Chicago, Ill.

Marion Steam Shovel Co., P. O. Box 505, Marion, O.

Morris Machine Works, Baldwinsville, N. Y.

National Iron Co., Duluth, Minn.

Norton Engng. Co., Denckla bldg, Phila., Pa.

Taylor-Wharton Iron & Steel Co., High Bridge, N. J.

Treadwell M. H. Co., 140 Cedar, New York

Union Construction Co., H Balfour bldg, San Francisco, Cal.

Vulcan Iron Works, Inc., Hudson & Essex, Jersey City, N. J.

8213—Dried Beef & Bacon Slicing Machines

Allbright-Nell Co., 5315 Western av, Chicago, Ill.

LINK-BELT COMPANY ("Link-Belt" Automatic), 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*

Premier Machinery Co., Oakland, Cal.

8214—Drill Sharpening Machines

Denver Rock Drill Mfg. Co., Denver, Colo.

Hardsocg Wonder Drill Co. ("Wonder" Pneumatic), Ottumwa, Ia.

Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*

Lake Shore Engine Works ("Superior"), Marquette, Mich.

8215— Drilling Machines

See also Sub-Classifications following

Albany Hdwe Specialty Mfg. Co., Albany, Wis.

Allen Chas. G. Co. ("Allen"), Barre, Mass.

American Machine Products Co., 18th & Howard, Detroit, Mich.

Aurora Tool Works, Aurora, Ind.

Avey Drilling Machine Co. ("Avey" Ball Bearing & Single Spindle), Covington, Ky.

Baker Bros., Toledo, O.

Barnes Drill Co. (All-Geared), Rockford, Ill.

Baush Machine Tool Co., 156 Wason av, Springfield, Mass.

Bilton Machine Tool Co. ("Bilton" High Speed Ball Bearing Automatic), 990 Housatonic av, Bridgeport, Conn.

Boust A. C., Northumberland, Pa.

Buckeye Tool & Machine Co. ("Buckeye"), New Philadelphia, Ohio

Buffalo Forge Co. (Post or Wall Hand), 490 Bway, Buffalo, N. Y.

Canedy-Otto Mfg. Co., Chicago Heights, Ill.

Champion Blower & Forge Co. ("Champion"), Lancaster, Pa.

Clark Jas. Jr. Electric Co. ("Clark" Electrically Driven), 520 W Main, Louisville, Ky.

Clough R. M., Tolland, Conn.

Coates Clipper Mfg. Co. ("Coates" Flexible Shaft), 237 Chandler, Worcester, Mass.

CONSOLIDATED MACH. TOOL CORP. OF AMER., Rochester, N. Y.
See adv index at end of book

Crane Harold G. ("Crane" Motor Driven), 322 Front, Adrian, Mich.

Davis Machine Tool Co., Rochester, N. Y.

Dixon Wm. (Jewelers), 119 Fulton, New York

DOOLEY BROS. (Coal), 1201 S Washington, Peoria, Ill.

Foote-Burt Co. (High Duty), 13000 St. Clair av, Cleveland, O.

Fosdick Machine Tool Co., Cincinnati, O.

Fox Mach. Co. (Multiple Spindle), Jackson, Mich.

Fulton Tool Wks. (Coal Miners), ("Fulco," "Fulton"), Huntington, W. Va.

Harnischfeger Corp., Milwaukee, Wis.
See adv index at end of book

Henry & Wright Mfg. Co. ("Wright"), 760 Windsor, Hartford, Conn.

Hoefer Mfg. Co. ("Hoefer"), 155 Chicago, Freeport, Ill.

Hoosier Universal Machy. Co., Goshen, Ind.

International Machine Tool Co., 1111 Power av, Cleveland, Ohio

Kane & Roach, Syracuse, N. Y.

Keystone Driller Co., Beaver Falls, Pa.
See adv index at end of book

Kingsbury Mfg. Co. ("Kingsbury"), Keene, N. H.

Knickerbocker Machine Works, 161 Perry, New York

Knight W. B. Machinery Co., 3920 W Pine blvd., St. Louis, Mo.

Louisville Elec. Mfg. Co. ("Louisville"), 31st & Magazine, Louisville, Ky.

Lucas Machine Tool Co. ("Precision"), 524 E 99th, Cleveland, O.

Makutchan Roller Bearing Co., 35 W Lake, Chicago, Ill.

Manning Maxwell & Moore, Inc., 100 E 42nd, New York
See adv index at end of book

Millers Falls Co. ("Millers Falls" & "Universal" Hand), Dept H, Millers Falls, Mass.

Minster Machine Co. ("Minster"), Minster, Ohio

Mueller Co. (Water & Gas), Decatur, Ill.

Murchey Machine & Tool Co., 951 Porter, Detroit, Mich.

Myers Mfg. Co., (Bench Mill), Columbia, Pa.

National Automatic Tool Co. ("Natco"), Richmond, Ind.

Nelson-Blanck Mfg. Co. (Multiple Spindle), Dulois & Clay, Detroit, Mich.

Newhall Chain, Forge & Iron Co., ("Trident"), 89 West, New York

Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*

Oil Well Supply Co. (Core), 215 Water, Pittsburgh, Pa.

Pacific Machine Tool Co., 325 Commercial, Los Angeles, Cal.

Pratt Wm. E. Mfg. Co., 15 W Lake, Chicago, Ill.

Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book

Providence Engineering Corp. (High Speed Sensitive), Providence, R. I.

Richmond Metal Products Co. ("Richmond" Staybolt), 5th and Arch, Richmond, Va.

Rockford Machine Tool Co. ("Mechanics"), Kishwaukee rd & 23rd av, Rockford, Ill.

Ryerson Jos. T. & Son, Inc. (Metal), 2558 W 16th, Chicago, Ill.
See adv index at end of book

Salem Mfg. Co. (Power), Box 256, Salem, Ohio

Seeger Machine Tool Co., 34 S. Forsyth, Atlanta, Ga.

SIBLEY MACHINE CO. (Geared), 70 Tutt, South Bend, Ind.

Sibley Upright Drill Co., S. Bend, Ind.

Sigourney Tool Co., Hartford, Conn.

Silver Mfg. Co. (Power), 256 Salem, O.

Sipp Mach. Co. (Sensitives), Keen & Warren, Paterson, N. J.

Stow Mfg. Co., Inc. (Plain Screw Feed Automatic Drill Presses), Binghamton, N. Y. *See adv index at end of book*

Superior Machine Tool Co., Kokomo, Ind.

Taylor & Fenn Co. (Four Spindle Simultaneous Feed), 57 Arch, Hartford, Conn.

Townsend H. P. Mfg. Co. (High Speed), Hartford, Conn.

Twin-O-Matic Machine & Tool Co., Inc., 160 John, Brooklyn, N. Y.

Union Tool Co., H Union Oil bldg, Torrance, Cal.

U. S. Mach. Tool Co. ("U. S."), Cincinnatti, O.

Wilcor Mfg. Co. (Duplex), 4824 W Lake, Chicago, Ill.

8216—Drilling Machines (Automatic)

Barnes Drill Co., 814 Chestnut, Rockford, Ill.
Baush Machine Tool Co., Springfield, Mass
Bilton Machine Tool Co. ("Bilton"), 990 Housatonic av, Bridgeport, Conn.
Cincinnati Automatic Machine Co. (Multiple Spindle), 3120 South, Oakley, Cincinnati, Ohio.
Clark James Jr. Electric Co. ("Clark's"), 522 W. Main, Louisville, Ky.
Detroit Machine Tool Co. ("Detroit" Semi), 6535 St. Antoine, Detroit, Mich.
Fox Mach. Co., Jackson, Mich.
Goodell-Pratt ("Mr. Punch"), Greenfield, Mass.
Hoefer Mfg. Co., Freeport, Ill.
Krag Franz K., 542 W Jackson blvd, Chicago, Ill.
North Bros. Co. ("Yankee" or Push), Lehigh av & American, Phila., Pa.
Rockford Drilling Machine Co., Rockford, Ill.
Star Expansion Bolt Co. ("Spring Hammer"), 145 Cedar, New York

8217-8—Drilling Machines (Bench)

Allen Machine Co., 1279 E 3rd, Cleveland, O.
AMES B. C. CO. ("Ames" Sensitive), North Station, Waltham, Mass.
See adv index at end of book
Barnes W. F. & Jno. Co., Rockford, Ill.
Blissfield Motor Works ("Davenport"), Blissfield, Mich.
Burke Machine Tool Co., Conneaut, O.
Champion Blower & Forge Co. ("Champion"), Lancaster, Pa.
Clark Jas. Jr. Electric Co. ("Clark" & Floor Electrically Driven), 520 W Main, Louisville, Ky.
Fenn Mfg. Co. ("Fenn"), 385 Broad, Hartford, Conn.
Gardam Wm. & Son (Sensitive Type), 114 Park pl, New York
Goodell-Pratt Co. (Hand & Power), Greenfield, Mass.
Gowanda Agricultural Works (for Cutlery Factories), Gowanda, N. Y.
High Speed Hammer Co., Inc., 313 Norton, Rochester, N. Y.
Hisey-Wolf Machine Co. ("Hisey" Portable Electric), Cincinnati, O.
Hoefer Mfg. Co. ("Hoefer" Friction & Belt Driven), Freeport, Ill.
Kowal Bros., 2411 6th, Berkeley, Cal.
Leland-Gifford Co., Worcester, Mass.
Millers Falls Co. ("Millers Falls"), Dept H, Millers Falls, Mass.
Myers Machine Tool Corp. ("Myers" & "Myers Automatic"), Columbia, Pa.
North Bros. Mfg. Co. ("Yankee") Lehigh av & American, Phila., Pa.
Oliver W. W. Mfg. Co., 1483 Niagara, Buffalo, N. Y.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Rockford Drilling Machine Co., Rockford, Ill.
Sigourney Tool Co., Hartford, Conn.
Silver Mfg. Co., 256 Salem, O.
Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.
Standard Electric Tool Co. (Electric), York & Western av, Cincinnati, O.
Stecher Chas. Co. (High Speed & "Heavy Duty"), 1580 Crossing, Chicago, Ill.
Strong, Carlisle & Hammond Co. (The Ideal), 336 Frankfort av, Cleveland, O.
United States Electrical Tool Co., Cincinnati, O.
Van Dorn Electric Tool Co., 2978 Woodhill, Cleveland, O.
Winterhoff Tool & Machine Co. ("Winterhoff"), Elkhart, Ind.

8219—Drilling Machines (Blacksmiths')

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Buffalo Forge Co., 490 Broadway, Buffalo, N. Y.
Canedy-Otto Mfg. Co. ("Western Chief," Automatic Self-Feed), Chicago Heights, Ill.
Champion Blower & Forge Co., Lancaster, Pa.
Illinois Iron & Bolt Co. (Horizontal & Upright), Carpentersville, Ill.
Russ Co., 5700 Walworth av, Cleveland, O.
Salem Mfg. Co. ("Silver"), Box 256, Salem, Ohio
Silver Mfg. Co. ("Silver"), Dept H, Salem, Ohio
Southern Skein & Foundry Co. (Horizontal), E. Lake, Chattanooga, Tenn.

8220—Drilling Machines (Boiler)

American Tool Works Co., Cincinnati, O.
Aurora Tool Works, Aurora, Ind.
Bethlehem Steel Co. (Shell), Bethlehem, Pa.
Dallett Thos. H. Co. (Shell), 1324 Federal, Philadelphia, Pa.
Foote-Burt Co., 13000 St. Clair av, Cleveland, O.
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
Mueller Machine Tool Co., 2427 Colerain av, Cincinnati, O.
Niles-Bement-Pond Co., 111 B'way, New York
See adv index at end of book
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
Silver Mfg. Co., Box 256, Salem, Ohio

8221—Drilling Machines (Caster Wheel)

Hoefer Mfg. Co., Freeport, Ill.

8222—Drilling Machines (Clock Pinion)

Davenport Machine Tool Co. (Automatic), 167 Ames, Rochester, N. Y.

8223—Drilling Machines (Cotter & Key-Seat)

Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*

8223a—Drilling Machines (Deep Hole)

Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book

8224—Drilling Machines (Frog & Switch)

Foote-Burt Co., 13000 St. Clair av, Cleveland, O.
Moline Tool Co., Moline, Ill.

8225—Drilling Machines (Gang)

Barnes Drill Co. (All Geared Gangs), Rockford, Ill.
Barnes W. F. & Jno. Co., Rockford, Ill.
Bilton Machine Tool Co. ("Bilton"), 990 Housatonic av, Bridgeport, Conn.
Cincinnati-Bickford Tool Co., Cincinnati, Ohio
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Foote-Burt Co., 13000 St. Clair av, Cleveland, O.
Gardam Wm. & Son, 114 Park pl, New York
Greenlee Bros. & Co. (Multiple Spindle), 12th, Rockford, Ill.
Hoefer Mfg. Co., Freeport, Ill.
Moline Tool Co., Moline, Ill.
Rockford Drilling Machine Co., Rockford, Ill.
Rockford Machine Tool Co. (2, 3, 4, 5 & 6 Spindles, Box or Single Columns), Rockford, Ill.
Silver Mfg. Co. ("Silver"), Box 256, Salem, Ohio
Superior Machine Tool Co., Kokomo, Ind.
Wells Frank L. Co., Kenosha, Wis.

8226—Drilling Machines (Gun Barrel)

Diamond Machine Co. ("Diamond"), Providence, R. I.

8227—Drilling Machines (Horizontal)

Baush Machine Tool Co., 156 Wason av, Springfield, Mass.
Bethlehem Steel Co. (Boring & Milling Combined), Bethlehem, Pa.
Cleveland Milling Mach. Co., 18521 Euclid av, Cleveland, Ohio
Fox Mach. Co. (Multiple Spindle), Jackson, Mich.
Garvin Machine Co., 147 Varick, New York
Harnischfeger Corp., Milwaukee, Wis.
See adv index at end of book
Krag Franz K. (Full Automatic), 542 W Jackson blvd, Chicago, Ill.
Moline Tool Co., Moline, Ill.
Morris Machine Tool Co. ("Morris"), Court & Harriet, Cincinnati, O.
Rockford Drilling Machine Co., Rockford, Ill.
Ryerson Jos. T. & Son, Inc., 2558 W. 16th, Chicago, Ill.
See adv index at end of book
Sommer & Adams Co., 18511 Euclid av, Cleveland, O.

8228—Drilling Machines (Knee)

Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.

8229—Drilling Machines (Locomotive Frame)

Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*

8230—Drilling Machines (Multiple Spindle)

Andrew M. L. & Co., Cincinnati, O.
Avey Drilling Machine Co. ("Avey"), Covington, Ky.
Baker Bros., Toledo, O.
Barnes Drill Co., Rockford, Ill.
Baush Machine Tool Co. (Vertical & Horizontal), Springfield, Mass.
Bilton Machine Tool Co. ("Bilton" Automatic Feed), 990 Housatonic av, Bridgeport, Conn.
Buckeye Drill & Lathe Co., Marion rd, Columbus, Ohio.
Cincinnati Automatic Machine (Automatic), 3120 South, Cincinnati, Ohio.
Cleveland Machinery & Supply Co., Union bldg., Cleveland, O.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Detroit Machine Tool Co., 6535 St. Antoine, Detroit, Mich.
See adv index at end of book
Foote-Burt Co., 13000 St. Clair av, Cleveland, O.
Fosdick Machine Tool Co., Blue Rock and Applett, Cincinnati, O.
Fox Machine Co., Jackson, Mich.
Gowanda Agricultural Works (3 Spindle' Gowanda, N. Y.
Greenlee Bros. Co., 12th, Rockford, Ill.
Hardinge Bros., Inc., 1770 Berteau av, Chicago, Ill.
Harrington Co., 17th & Callowhill, Philadelphia, Pa.
Henry & Wright Mfg. Co., 760 Windsor, Hartford, Conn.
Hoefer Mfg. Co., Freeport, Ill.
Langelier Mfg. Co., Arlington, Providence, R. I.
Manning Maxwell & More, Inc., 100 E 42nd, New York
See adv index at end of book
Moline Tool Co., Moline, Ill.
National Acme Co., 7500 Stanton av., Cleveland, O.
National Automatic Tool Co. ("Natco," Full Automatic Universal), Richmond, Ind.
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Providence Engineering Corp ("Pecorp"), 521 S Main, Providence, R. I.
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
Sigourney Tool Co., Hartford, Conn.
Superior Machine Tool Co., Kokomo, Ind.
Taylor & Fenn Co., Hartford, Conn.
Valley City Mach. Works, Grand Rapids, Mich.

8231—Drilling Machines (Portable)

See also Drills, Hand; also Pneumatic Drills
Cincinnati Electric Tool Co. ("Cincinnati" Electrical, Scotch Radial & Universal Drills), Cincinnati, O.
Coates Clipper Mfg. Co. ("Coates" Flexible Shaft), 237 Chandler, Worcester, Mass.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Dallett Thos. H. Co., 1324H Federal, Philadelphia, Pa.
Hisey-Wolf Machine Co. ("Hisey" Electric), Cincinnati, O.
Howells Mining Drill Co., Plymouth, Pa.
Independent Pneumatic Tool Co., 600H W Jackson blvd, Chicago, Ill.
INGERSOLL-RAND CO., 11 Broadway, New York *See adv index at end of book*
KEYSTONE DRILLER CO., Beaver Falls, Pa. *See adv index at end of book*
King Pneumatic Tool Co., 1734 Armitage av, Chicago, Ill.
See adv index at end of book
Lapointe J. N. Co., New London, Conn.
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*
Parkersburg Rig & Reel Co., Parkersburg, W. Va.
Ryerson Jos. T. & Son, Inc., 2558 W. 16th, Chicago, Ill.
See adv index at end of book
Snyder J. E. & Son, 119 Dewey, Worcester, Mass.
Standard Elec. Tool Co., Western av & York, Cincinnati, Ohio
Stow Flexible Shaft Co., 26th & Callowhill, Phila., Pa.
Stow Mfg. Co. (Flexible Shaft Belt Driven), Binghamton, N. Y.
See adv index at end of book
Strong, Carlisle & Hammond Co., 336 Frankfort av, N. W., Cleveland, O.
United States Electrical Tool Co. (Electrical), Cincinnati, O.

8232—Drilling Machines (Radial)

American Tool Works Co., Cincinnati, O.
Baush Machine Tool Co., Springfield, Mass.
Carlton Machine Tool Co., Spring Grove & Meeker, Cincinnati, O.
Canedy-Otto Mfg. Co. ("C-O"), Chicago Heights, Ill.
Cincinnati-Bickford Tool Co., Cincinnati, Ohio
Cleveland Punch & Shear Works Co., 3917 St. Clair av, N E, Cleveland, Ohio
See adv index at end of book
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Dreses Machine Tool Co., Cincinnati, O.
Edwards W. W. (Bench Radial), 71 N Main, Los Angeles, Cal.
Fosdick Machine Tool Co., Cincinnati, O.
Hammond Mfg. Co., 7808 Kinsman av, Cleveland, O.
Henry & Wright Mfg. Co., 760 Windsor, Hartford, Conn.
Hilbert Machine Co., 2116 Colerain av, Cincinnati, O.
Hisey-Wolf Machine Co. ("Hisey" Electric), Cincinnati, O.

(Continued on following page)

Drilling Machines (Radial)—Cont.

Kane & Roach, Syracuse, N. Y.
Kling Bros. Engineering Works, 2035 Charleston, Chicago, Ill.
Manning Maxwell & Moore, Inc., 100 E 42nd, New York
See adv index at end of book
Morris Machine Tool Co., Court & Harriet, Cincinnati, O.
Mueller Machine Tool Co. ("Mueller" Cone Driven, 2½ to 4-foot Arm, etc.), 2427 Colerain av, Cincinnati, O.
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*
Optenberg Iron Works, Sheboygan, Wis.
Reed-Prentice Co., 677 Cambridge, Worcester, Mass.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*

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Simmons Machine Co., Inc., 987 Broadway, Albany, N. Y.
Strong, Carlisle & Hammond Co., 336 Frankfort av N W, Cleveland, O.
Taylor & Fenn Co. (Light), 57 Arch, Hartford, Conn.
Western Machine Tool Works, Holland, Mich.

8233—Drilling Machines (Radial Wall)

Busch J. C. Co., 140 Ferry, Milwaukee, Wis.
Harnischfeger Corp., Milwaukee, Wis.
See adv index at end of book
Wickes Bros., Saginaw, Mich.
See adv index at end of book

8234—Drilling Machines (Rail)

Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*

8235—Drilling Machines (Rivet)

Langelier Mfg. Co., Arlington, Providence, R. I.

8236—Drilling Machines (Sensitive)

Allen Chas. G. Co. ("Allen"), Barre, Mass.
American Tool Works Co., Cincinnati, O.
AMES B. C. CO. ("Ames" Bench), North Station, Waltham, Mass.
See adv index at end of book
Avey Drilling Machine Co. ("Avey"), Covington, Ky.
Barnes W. F. & Jno. Co., Rockford, Ill.
Berghausen Machine Co., 2128 Colerain av, Cincinnati, O.
Bilton Machine Tool Co. ("Bilton"), 990 Housatonic av, Bridgeport, Conn.
Blomquist-Eck Machine Co., 1146 E 152nd, Cleveland, O
Burke Machine Tool Co., Conneaut, O.
Carlton Machine Tool Co., Spring Grove & Meeker, Cincinnati, Ohio
Cleveland Machinery & Supply Co., Union bldg., Cleveland, O.
Elgin Tool Works (Bench), Elgin, Ill.
Fosdick Machine Tool Co. (Blue Rock & Applett), Cincinnati, O.
Gardam Wm. & Son, 114 Park pl, New York
Hardinge Bros., 4203 Ravenswood av, Chicago, Ill.
Henry & Wright Mfg. Co., 760 Windsor, Hartford, Conn.
High Speed Hammer Co., Inc., 313 Norton, Rochester, N. Y.
Hoefer Mfg. Co., Freeport, Ill.
Johnson Machine Tool Co., Gouverneur, N. Y.
Kingsbury Mfg. Co. ("Kingsbury"), Keene, N. H.
Krag Franz K. (Full Automatic), 542 W Jackson blvd, Chicago, Ill.
Langelier Mfg. Co. (Plain, Ball Bearing, High Speed, Motor Driven), Arlington, Providence, R. I.
Leland-Gifford Co. (High Speed Heavy Duty), Worcester, Mass.
Myers Machine Tool Corp. ("Myers"), Columbia, Pa.
North Wales Machine Co., North Wales, Pa.
Oliver W. W. Mfg. Co., 1483 Niagara Falls, Buffalo, N. Y.
Providence Engineering Corp. ("Pecorp"), 521 S Main, Providence, R. I.
Rockford Drilling Machine Co., Rockford, Ill.
Rockford Machine Tool Co., Rockford, Ill.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
SIBLEY MACHINE CO., 70 Tutt, South Bend, Ind.
Sibley Upright Drill Co. (Upright High Speed), South Bend, Ind.
Sigourney Tool Co., Hartford, Conn.
Sipp Mach Co., Keen & Warren, Paterson, N. J.
Snyder J. E. & Son, 119 Dewey, Worcester, Mass.
Stow Mfg. Co., Inc. (Bench & Floor), Binghamton, N. Y.
See adv index at end of book
Taylor & Fenn Co., 57 Arch, Hartford, Conn.
Townsend H. P. Mfg. Co. (High Speed), Hartford, Conn.
U. S. Mach. Tool Co. ("U. S."), Cincinnati, O
Washburn Shops, Boynton, Worcester, Mass.
Wisconsin Electric Co. ("Dumore" Elec.), 1602 Junction av, Racine, Wis.

8237—Drilling Machines (Stay Bolt)

Foote-Burt Co. (4 Spindle), 13000 St. Clair av, Cleveland, O.
Independent Pneumatic Tool Co., 600H W Jackson blvd, Chicago, Ill.
Richmond Metal Products Co. Inc. ("Richmond"), 5th and Arch, Richmond, Va.

8238-9—Drilling Machines (Suspension)

Baush Machine Tool Co., Springfield, Mass.
Birch & Birch, Crawfordsville, Ind.
Cleveland Punch & Shear Works Co., 3917 St. Clair av, N E, Cleveland, O.
See adv index at end of book
Kling Bros. Engineering Works, 2035 Charleston, Chicago, Ill.

8240—Drilling Machines (Traverse)

Moline Tool Co. (Traversing Head), Moline, Ill.

8241—Drilling Machines (Tube Hole)

Bethlehem Steel Co., South Bethlehem, Pa.

8242—Drilling Machines (Turret)

Quint A. D., Hartford, Conn.
Turner Machines Co., Danbury, Conn.

8243—Drilling Machines (Universal Radial)

American Tool Works Co., Cincinnati, O.
Cincinnati-Bickford Tool Co., Cincinnati, Ohio
Dreses Machine Tool Co., Cincinnati, O.
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*
Simmons Machine Co., Inc., 987 Broadway, Albany, N. Y.

8244—Drilling Machines (Vertical)

Aurora Tool Works (14 to 44 inch Swing), Aurora, Ind.
Avey Drilling Machine Co., Covington, Ky.
Baker Bros., Toledo, O.
Barnes Drill Co. (Inc.), Rockford, Ill.
Barnes W. F. & Jno. Co. (8 to 50 inch Swing), Rockford, Ill.
Baush Machine Tool Co., 156 Wason av, Springfield, Mass.
Bilton Machine Tool Co. ("Bilton"), 990 Housatonic av, Bridgeport, Conn.
Buckeye Drill & Lathe Co, Marion rd, Columbus, Ohio.
Buffalo Forge Co. (Blacksmith Machinists), 490 B'way, Buffalo, N. Y.
Champion Blower & Forge Co., Lancaster, Pa.
Cincinnati-Bickford Tool Co., Cincinnati, Ohio
Cleveland Machinery and Supply Co., Union bldg, Cleveland, Ohio
Fosdick Machine Tool Co. ("Fosdick"), Cincinnati, Ohio.
Fox Machine Co., Jackson, Mich.
Gardam Wm. & Son, 114 Park pl, New York
Henry & Wright Mfg. Co., 760 Windsor, Hartford, Conn.
Hilbert Machine Co., 2116 Colerain av, Cincinnati, O.
Hoefer Mfg. Co., Freeport, Ill.
Hoosier Universal Machy. Co., Goshen, Ind.
Illinois Iron & Bolt Co. ("Illinois" Hand Power), Carpentersville, Ill.
Langelier Mfg. Co., Arlington, Providence, R. I.
Moline Tool Co., Moline, Ill.
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*
Pacific Machine Tool Co., 325 Commercial, Los Angeles, Cal.
Richards Machine Co., 3417 Vliet, Milwaukee, Wis.
Rockford Drilling Machine Co. ("Mechanics"), Rockford, Ill.
Rockford Machine Tool Co. (14, 17, 20, 23, 24, 26, 28, 32, 36 inch Sliding Head, etc), Rockford, Ill.
Royersford Foundry & Machine Co. ("Excelsior"), Royersford, Pa.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
Sibley Upright Drill Co., South Bend, Ind.
Sigourney Tool Co., Hartford, Conn.
Silver Mfg. Co. ("Silver"), Box 256, Salem, Ohio
Sloan & Chass Mfg. Co., 351 6th av, Newark, N. J.
Snyder J. E. & Son, 119 Dewey, Worcester, Mass.
Superior Machine Tool Co., Kokomo, Ind.
Taylor & Fenn Co., 57 Arch, Hartford, Conn.
U. S. Mach. Tool Co. ("U. S."), Cincinnati, O.

8245—Drilling & Countersinking Machines

Baush Machine Tool Co., Springfield, Mass.
CHICAGO PNEUMATIC TOOL CO., (Pneumatic), 6 E 44th, New York
See adv index at end of book
Vulcan Mfg. Co., 1200 4th av, So. Seattle, Wash.

8246—Drilling & Milling Machines (Combined)

Bethlehem Steel Co., Bethlehem, Pa.
Cleveland Milling Mach. Co., 18521 Euclid av, Cleveland, Ohio
Clough R. M. (Vertical Bench), Tolland, Conn.
Fosdick Machine Tool Co., Cincinnati, O.
Harnischfeger Corp., Milwaukee, Wis.
See adv index at end of book
Knight W. B. Machinery Co., 3920 W Pine blvd, St. Louis, Mo.
Sommer & Adams Co., 18511 Euclid av, Cleveland, O.
Superior Machine Tool Co., Kokomo, Ind.

8247—Drilling & Reaming Machines

Fox Mach. Co., Jackson, Mich.
Hoefer Mfg. Co. (Automobile Piston), Freeport, Ill.
Independent Pneumatic Tool Co., 600H W Jackson blvd, Chicago, Ill.

8248—Drilling & Tapping Machines

American Tool Works Co., Cincinnati, O.
Aurora Tool Works, Aurora, Ind.
Baker Bros., Toledo, O.
Barnes Drill Co., 814 Chestnut, Rockford, Ill.
Carlton Machine Tool Co. (Radial), Spring Grove & Meeker, Cincinnati, O.
Cincinnati-Bickford Tool Co. (24 to 42 inch, Upright, Heavy Pattern), Cincinnati, O.
Cleveland Milling Mach. Co., 18521 Euclid av, Cleveland, Ohio
Fosdick Machine Tool Co. (Drilling), Cincinnati, O.
Fox Mach. Co., Jackson, Mich.
Garvin Machine Co., 147 Varick, New York
Hammond Mfg. Co., 7808 Kinsman av, Cleveland, Ohio
Independent Pneumatic Tool Co., 600H W Jackson blvd, Chicago, Ill.
Jones & Lamson Mach. Co., Springfield, Vt.
Langelier Mfg. Co. (Horizontal), Arlington, Providence, R. I.
National Automatic Tool Co. ("Natco") Richmond, Ind.
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*
Sommer & Adams Co., 18511 Euclid av, Cleveland, O.
Stow Mfg. Co., Binghamton, N. Y.
See adv index at end of book
Superior Machine Tool Co., Kokomo, Ind.
Taylor & Fenn Co. (Radial), 57 Arch, Hartford, Conn.

8249-50—Drilling & Tapping Machines (Combined)

Anderson Machine Works, Peekskill, N. Y.
Barber M. A., Norwich, Conn.
Barnes Drill Co., 814 Chestnut, Rockford, Ill.
Baush Machine Tool Co., Springfield, Mass.
Fox Mach. Co., Jackson, Mich.
Hoefer Mfg. Co., Freeport, Ill.
Rockford Drilling Machine Co., Rockford, Ill.
Superior Machine Tool Co., Kokomo, Ind.

8251— Drop Forging Machinery

BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Merrill Bros. (Drop Hammers only), 8 Arnold (Queens Boro), Maspeth, L. I., N. Y.
See adv index at end of book
PROVIDENCE PRESS MACHINERY CO., INC., Room 610, 110 W 40th, New York *See adv index at end of book*
Williams White & Co., 301 8th, Moline, Ill.

8252— Drying Machinery

See also Dryers, Various Kinds
Aetna Foundry & Machine Co. (The), (for Sheet Metal), Warren, Ohio

Allis-Chalmers Mfg. Co. (Rotary Dryers & Coolers With Auxiliary Equipt.), Milwaukee, Wis.
See adv index at end of book
American Blower Co., 6004 Russell, Detroit, Mich.
Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Bentz Engineering Corp., 90 West, New York
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
Bowes Walter H. Co. Inc. (Paper), 10H Hoyt, Norwalk, Conn.
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Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Hamler Boiler & Tank Co., Dept. H, W 66th & S 60th av, Chicago, Ill.
No-Dust Drying Machine Co. ("No-Dust"), 157 Dorrance, Providence, R. I.
Pennsylvania Boiler Wks., Export Dept., 43 Cedar, New York
PROCTOR & SCHWARTZ, INC., 7th & Tabor rd, Phila., Pa.
Rockwell W. S. Co., 50 Church, New York
See adv index at end of book
Smith Richardson Co. ("Richardson"), Attleboro, Mass.

8253—Duck Slitting Machines

Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn.
See adv index at end of book
Thropp William R. & Sons Co., Trenton, N. J.

Duplicating Machines

See Duplicators

Dyeing Machinery

See Textile Machinery

8254—Dynamite Shell Machines

Luther Mfg. Co., Olean, N. Y.

8255—Eave Trough Hanger Machines

Birch & Birch (Automatic Wire), Crawfordsville, Ind.
Fosdick Machine Tool Co., Blue Rock and Applett, Cincinnati, O.

Eave Trough Machinery

See Conductor Pipe & Eave Trough Machinery

8256—Eave Trough Machines (Combination Forming & Beading)

Canton Foundry & Machine Co. ("Universal"), Canton, O.
See adv index at end of book

8257—Eave Trough Wire Hanger Machinery

Canton Foundry & Machine Co. ("Universal"), Canton, O.
See adv index at end of book

8258— Edging Machinery

Garrison A. Foundry Co. (Rolling Mill), 901 Bingham, Pittsburgh, Pa.
QUICKWORK CO., St. Marys, Ohio
See adv index at end of book

8259—Edging or Lock-Folding Machines

Ams Max Machine Co., 101 Park av, New York. *See adv index at end of book*
BLISS CO. E. W. (For Tin & Sheet Metal), 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Quickwork Co., St. Marys, Ohio
See adv index at end of book

8260—Edging Saw Machines

Allis-Chalmers Mfg. Co. (Saw Mill), Milwaukee, Wis.
See adv index at end of book
American Saw Mill Machinery Co., Hackettstown, N. J.
American Wood Working Machinery Co., Rochester, N. Y.
Fay J. A. & Egan Co., Cincinnati, O.
Filer & Stowell Co., Milwaukee, Wis.
Fisher & Davis Mfg. Co., St. Louis, Mo.
Holmes E. & B. Machinery Co., 59 Chicago, Buffalo, N. Y.
Lane Mfg. Co., Montpelier, Vt.
Mecklenburg Iron Works, Charlotte, N. C.
National Woodworking Machine Co., Dover, N. H.
Portland Iron Works, 495 Northrup, Portland, Ore.
Sinker-Davis Co., Indianapolis, Ind.
Union Iron Works, Bangor, Me.
Yates P. B. Machine Co., Beloit, Wis.

8261—Elbow Seam Closing Machines

BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Lyon Conklin & Co., Inc. ("Lyon Conklin & Co."), Race & McComas, Baltimore, Md.
Niagara Machine & Tool Works, Buffalo, N. Y.

8262—Electric Cloth Cutting Machines

Maimin H. Co., 251 W 19th, New York

8263—Electric Power & Lighting Machinery

See also Dynamos & Motors; also Generators, Various Kinds
Allis-Chalmers Mfg. Co., Milwauke, Wis.
See adv index at end of book
Consolidated Engng. Co. (Repairs), Jacksonville, Fla.
Couch Mfg. Co., Grant, Fla.
Duquesne Electric & Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
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Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Westinghouse Electric Mfg. Co., East Pittsburgh, Pa. *See adv index at end of book*

8263a—Electric Thawing Machinery

American Transformer Co., 178 Emmet, Newark, N. J.

8264—Electric Wire Making Machinery

Watson Machine Co., Paterson, N. J.

8265—*Electrical Goods Mfrs. Machinery (Sheet Metal)

BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.

8265a—Electrical Heat Treating Machines

Snead & Co., Jersey City, N. J.

8266—Electrical Porcelain Machinery

Crossley Machine (Also Dies, etc.), State and Chestnut av, Trenton, N. J.
Patterson Foundry & Machine Co., East Liverpool, O.

Electrical Wire & Cable Covering Machinery

See Wire & Cable Covering Machinery

8267—Electro-Dental Machinery

Independent Mechanical Electric Works, 3040 S Main, Los Angeles, Cal.
Russell Percy, 12 E 23d, New York
Victor X-Ray Corp., 236 S Robey, Chicago, Ill.
White S. S. Dental Mfg. Co., 211 S 12th, Phila., Pa.

8268— Electro Plating Machines

See also Dynamos, Electro Plating
BARKER BROS., INC., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
Cutter & Wood Supply Co. (Jobbers), 274 Friend, Boston, Mass.
Westinghouse Electric Mfg. Co., East Pittsburgh, Pa. *See adv index at end of book*

8269—Electro & Linotype Sawing Machines

Curle Mfg. Co., Inc., 429 Sacramento, San Francisco, Cal.
Hoe R. & Co., 504 Grand, New York
Kidder R. E. Co., Worcester, Mass.
Wesel F. Mfg. Co., 70 Cranberry, Brooklyn, N. Y.

8270—Electrotype Machinery

Herrick & Cowell, New Haven, Conn.
HYDRAULIC PRESS MFG. CO., 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book
Milliken Machine Co. (Mailing), West Newton, Mass.
Ostrander-Seymour Co., 7 S Dearborn, Chicago, Ill.
San Francisco Mill Furnishing Co., 521 7th, San Francisco, Cal.
Wesel F. Mfg. Co., 70 Cranberry, Brooklyn, N. Y.

8271—Electrotype Trimming Machines

Bishop W. S., New Haven, Conn.
Royle Jno. & Sons, Paterson, N. J.

8272—Elevating & Conveying Machinery

See also Conveyors, Cranes, Derricks, Elevators, Hoists, Trolleys, Overhead, Wire Rope Tramways, etc)
See also Index of Contents for the specific article required
Allen & Billmyre Co., Inc. (Exhausters for Conveying Systems), Grand Central Palace, New York
See adv index at end of book
Allis-Chalmers Mfg. Co. (Bucket, Flight, Apron, Pan; Flour Mills, Saw Mills, Rock, Ore, Coke, etc., Handling), Milwaukee, Wis.
See adv index at end of book
Alvey Mfg. Co. (Portable and Automatic), 3201H S Broadway, St. Louis, Mo
Anglo Am. Mill Co., Owensboro, Ky.
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Barber-Greene Co., **Aurora, Ill.**
BARTLETT & SNOW CO., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Brinkley Co., 651 Alaska, Seattle, Wash.
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Carey Machinery & Supply Co. (Dlrs.), 119 E Lombard, Baltimore, Md.
CHAIN BELT CO., 746 Park, Milwaukee, Wis. *See adv index at end of book*
Cleveland Crane & Engineering Co., **Dept H, Wickliffe, O.**
Columbus-Conveyor Co., W Goodale, Columbus, O.
Dempcy-Degener Co. (Dealer), 708 Penn av, Pittsburgh, Pa.
Dow Co., 201H N Buchanon, Louisville, Ky.
FABREEKA BELTING CO. (Conveyor Belt), 120 High st, Boston, Mass.
See adv index at end of book
Fuller-Lehigh Co. ("Fuller-Kenyon" Pulverized Material Only), Fullerton, Pa.
See adv index at end of book
GIFFORD-WOOD CO. (Ice), Hudson, N.Y.
Godfrey Conveyor Co. ("Godfrey"), Elkhart, Ind.
Guarantee Construction Co., 92 West, New York
Honolulu Iron Works Co. (Sugar), 233 Broadway, New York
HOWE CHAIN CO., Muskegon, Mich.
HUNT C. W. CO., West New Brighton, N. Y. *See adv index at end of book*
JEFFREY MFG. CO., 961 N Fourth, Columbus, O *See adv index at end of book and adv on preceding page*
Knoxville Foundry & Machine Co., Knoxville, Tenn.
Lamson Co., Inc., Syracuse, N. Y.
Lebanon Drop Forging Co., Lebanon, Pa.
Libbey C. A. Co., Marion & Jay, Oshkosh, Wis.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Lowerator Co. Inc, 110H Pearl, Brooklyn, N. Y.
McMyler-Interstate Co. (The), Cleveland, Ohio *See adv index at end of book*
Main Iron Works, 16th & Daggett, San Francisco, Cal.
Northern Engineering Works, 9 Chene, Detroit, Mich.
Palmer-Bee Co., 2778 E Grand blvd, Detroit, Mich.
Premier Machinery Co., Oakland, Cal.
Robbins Machinery & Supply Co., 444 W Grand av, Chicago, Ill.
ROBINS CONVEYING BELT CO., 15 Park Row, New York
See adv index at end of book
ROBINSON H. MFG. CO., Muncy, Pa.
Specialty Engineering Co., Trenton & Allegheny aves, Phila., Pa.
Searles Mailler, 135 Fremont, San Francisco, Cal.

(Continued on following page)

Elevating & Conveying Machinery—Continued

Sprout Waldron & Co., Muncy, Pa.
See adv index at end of book
STANDARD CONVEYOR CO., N St. Paul, Minn. *See adv index at end of book*
STEARNS CONVEYOR CO., St. Clair & E 200th, Cleveland, Ohio
Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.
STURTEVANT MILL CO. (All Steel), Clayton & Park, Dorchester, Boston, Mass.
Union Chain & Mfg. Co., Sandusky, O.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Yale & Towne Mfg. Co., Dept. H, Stamford, Conn.

8273— Embossing Machines

Automatic Printing Devices Co. (Process Embossing), 95 Minna, San Francisco, Cal.
CAVAGNARO JOHN J., Harrison, N. J.
Currier Cyrus & Sons (Presses & Rolls for Leather), 365 Market, Newark, N. J.
Elmes, Chas. F. Engng. Wks., Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Firth Wm. (Leather, Lockett, Crossland & Co.'s), 200 Devonshire, Boston, Mass.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Grammes L. F. & Sons, 311 Union, Allentown, Pa.
See adv index at end of book
Latham Machinery Co. ("Monitor," Bookbinders), 1153 Fulton, Chicago, Ill.
Lentz-Schebler Co. (Rotary & Lateral), Indianapolis, Ind.
Randall J. D. Co. (Leather, etc), 610 W Court, Cincinnati, O.
Rau Emanuel (For Embossing Paper Boxes), 30 Church, New York
Roovers Bros. (Letters & Figures), 100 Schermerhorn, B'klyn, N. Y.
Seybold Machine Co., Dayton, O.
Sheridan T. W. & C. B. Co. (Bookbinders'), 401 Broadway, New York
Traud Alex & Sons, 124 Polk, Newark, N. J.
Union Chain & Mfg. Co., Seville, O.
Waldron John Co., New Brunswick, N. J.

8274-5—Embroidering Machines

Ahlstrom O. J. ("Cormley & Fils" Imported), 711 B'way, New York
Durbrow & Hearne Mfg. Co. ("Bonnoz" & "Swiss"), 12 Wooster, New York
Saurer Adolph (Imp.), River av & 151st, New York

8276—Enamel Ware Machinery (Sheet Metal)

BLISS CO., E. W., 53rd & 1st av, Brooklyn, New York
See adv index at end of book
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.

8277— Engraving Machines

Cayuta Mfg. Co., Sayre, Pa.
Eaton & Glover Co., Sayre, Pa.
Engravers & Printers Machinery Co., Sag Harbor, N. Y.
Field Chas. H., 113 Point, Providence, R. I.
Hope John & Sons Engraving & Mfg. Co. (For Steel & Copper Plate), 1 Mashapaug, Providence, R. I.

8278— Envelope Machines

Brown Bag Filling Mach. Co., Fitchburg, Mass.
Cooley & Trevor Mfg. Co., 1 S Ann, Hartford, Conn.
Crescent Machine Co., 512 Oak, Leetonia, O. *See adv index at end of book*
Dietz Machine Work (Merchandise), 126 Fontaine, Philadelphia, Pa.
Lester & Wasley Co. ("Leader"), Norwich, Conn.
Potdevin Machine Co., 1221 38th, B'klyn, N. Y.
Sherman Envelope Co., 60 Prescott, Worcester, Mass.
Smithe F. L. Machine Co., Inc., 633 W 44th, New York
Swift Geo. W. Jr., Bordentown, N. J.

8279—Envelope Sealing Machines

Acorn Brass Mfg. Co. ("Thexton"), 3220 W. Lake, Chicago, Ill.
American Multigraph Sales Co. ("Markoe" Electric), 1832 E 40th, Cleveland, O.
Bircher Co., Inc. ("Lightning"), 73 Exchange, Rochester, N. Y.
Kendall Mfg. Co., Inc., 480 Washington, Boston, Mass.
Mailometer Co. (Combination Stamp Affixer), 3455 Jefferson av E, Detroit, Mich.
Ryan E. G. & Co., 712 Federal, Chicago, Ill.
Sealograf Co., 1700 Brooklyn, Kansas City, Mo.
Standard Envelope Boiler Mfg. Co. ("Standard"), Somerville, Mass.
Utica Sales & Specialty Co., Utica, N. Y.

Envelope Stamping Machines

See Postage Stamp Affixing Machine

Evaporating Machinery

See Evaporators

8280— Excavating Machinery

See also Dredging Machinery; also Shovels, Steam; also Sewer & Trench Excavating Machines; also Ditching Machines
Bay City Dredge Wks, 2600 Center av, Bay City, Mich.
Byers Machine Co., The, 242 Sycamore, Ravenna, O. *See adv index at end of book*
Clyde Iron Works Sales Co., Duluth, Minn. *See adv index at end of book*
Ellicott Machine Corp., 1111 Bush, Baltimore, Md.
See adv index at end of book
Harnischfeger Corp., Milwaukee, Wis.
See adv index at end of book
INGERSOLL-RAND CO., 11 B'way, New York *See adv index at end of book*
KEYSTONE DRILLER CO., Beaver Falls, Pa. *See adv index at end of book*
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
McMyler-Interstate Co. (The), Cleveland, Ohio *See adv index at end of book*

Steam Shovels

THE McMYLER INTERSTATE CO.
CLEVELAND

Sales offices in all principal cities

Ruth Dredger Mfg. Co., Boyle av nr Slawson av, Huntington, Pk., Los Angeles, Cal.
Smith T. L. Co., 1151 32nd, Milwaukee, Wis. *See adv index at end of book*
Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.

8281—*Excavating Machines (Portable)

Byers Machine Co., The (Especially Adapted for Sand and Gravel), 242 Sycamore, Ravenna, O.
See adv index at end of book
Keystone Driller Co., Beaver Falls, Pa.
See adv index at end of book
McMyler-Interstate Co., Cleveland, Ohio
See adv index at end of book

8282-3— Excelsior Machinery

American Saw Mill Machinery Co., Hackettstown, N. J.
Boston Excelsior Co. (Pads), 26 Canal, Boston, Mass.
Fisher & Davis Mfg. Co., St. Louis, Mo.
Indianapolis Excelsior Machinery Co., Keystone av & Belt, Indianapolis, Ind.
Jenkins Machine Co., Sheboygan, Wis.
Kline Lewis T., Alpena, Mich.
Leibing & Taggart (Pad Making), 782 22d, Oakland, Cal.

8284—Eye Bending or Eye Bolt Machines

Wallace Supplies Mfg. Co., 1312 Diversey pkway, Chicago, Ill.
Williams, White & Co., Moline, Ill.

8285— Eyelet Machines

Baird Machine Co. (Automatic), Stratford av, Bridgeport, Conn.
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
Ideal Specialties Mfg. Co. ("I. D. L."), 552 Pearl, New York
Machine Appliance Corp., 351 Jay, Brooklyn, N. Y.
Manville E. J. Machine Co., Waterbury, Conn.
Premo Process Co. (Stapling), New Brunswick, N. J.
Sheridan T. W. & C. B. Co. (Bookbinders, etc), 401 Broadway, New York
Shipman Geo., West Bridgewater, Mass.
Sibley E. L. Mfg. Co. (Stapling), Bennington, Vt.
STIMPSON EDWIN B. CO. (Hand, Foot, & Automatic), 852 Kent av, Brooklyn, N. Y. *See adv index at end of book*
United Shoe Machinery Co. ("Duplex"), 205 Lincoln, Boston, Mass.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

8286—Face & Fire Brick Machinery

Anchor Concrete Machy. Co. ("Anchor"), 532 Dublin, Columbus, Ohio
See adv index at end of book
Hadfield-Penfield Steel Co. (The), Bucyrus Ohio *See adv index at end of book*
Warwick Constn. Co., 1038H W Harrison, Chicago, Ill.

8287—Facing Machines (Three-Way)

Beaman & Smith Co., Providence, R. I.
Pottstown Machine Co. (Also Threading & Facing), Pottstown, Pa.

8288—Facing & Boring Machines

Beaman & Smith Co., Providence, R. I.
Blomquist-Eck Machine Co. ("Blomquist-Eck"), 1146 E 152nd, Cleveland, O.

8289—Faucet or Bib Re-Seating Machines)

McCrea James & Co. ("Skinner"), 562 W Washington, Chicago, Ill.

8290— Felling Machines

Ajax Mfg. Co., 848 Jackson M S, Pittsburgh, Pa.

Felloe Machinery

See Carriage Builders' Machinery

8291-2—Felt Hardening Machinery

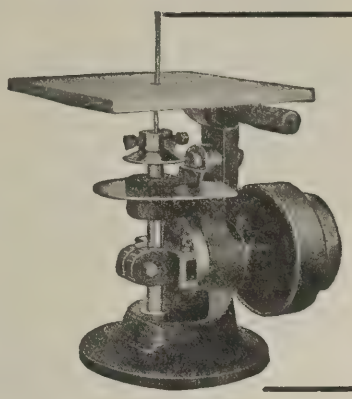
Clark Wm. C., Dept. H, Franklin, Mass.
Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn.
See adv index at end of book

8293—Fence Machines (Wire)

Brazil Machine & Foundry Co., Brazil, Ind.
Carter Wire Fence Machine Co., Mt. Sterling, O.
Cyclone Fence Co. (Chair Fence Weaving), Waukegan, Ill.
Elliott & Reid Co. (Wire & Picket), Richmond, Ind.
Eureka Fence Mfg. Co. ("Eureka," "Little Giant," "New Robinson," Wire & Picket), Richmond, Ind.
Gem Wire Fence Co., Pontiac, Mich.
Jackson Fence Co. ("Jackson"), Jackson, Mich.
Johnston & Jennings Co., Addison rd & N. Y. C. R. R., Cleveland, O.
Kitselman Bros. (Woven Wire), Muncie, Ind.
Lansing Co. ("Lansing," Wire & Picket), Lansing, Mich.
Lyle & Reynolds, Crawfordsville, Ind.

8294— Fertilizer Machinery

See also Pulverizing Machinery
Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
American Process Co., 68 William, New York
Atlanta Utility Wks., Atlanta, Ga.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
BARTLETT & SNOW CO., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Bouchard Jno. & Sons Co., 1024 Harrison, Nashville, Tenn.
Brecht Co., 1201 Cass av, St. Louis, Mo.
Buffalo Engine Co., Buffalo, N. Y.
California Press Mfg. Co., 1800 Folsom, San Francisco, Cal.
Charleston Dry Dock & Machine Co., Charleston, S. C.
Dayton Beater & Hoist Co., 24 N Canal Dayton, O.
Dempwolf C. H. & Co. (Steel Mixers, etc), York, Pa.
Elmes Chas. F. Engng. Wks. (Hydraulic), Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
FABREEKA BELTING CO. (Fabreeka Belting for Fertilizer Plants), 120 High, Boston, Mass.
See adv index at end of book
Flynn & Emrich Co., 305 N Halliday, Baltimore, Md.
Hamler Boiler & Tank Co., Dept. H, W 66th and S 60th av, Chicago, Ill.
Hiller Stanley, Inc., 369 Pine, San Francisco, Cal.
Holmes & Blanchard Co., 92 Broadiran, Boston, Mass.
Hydraulic Press Mfg. Co. (Hydraulic Fertilizer & Tankage Presses, "H. P. M."), 24 Lincoln av, Mount Gilead, O.
See adv index at end of book
Jeffrey Mfg. Co., 961 4th, Columbus, O.
See adv index at end of book
Link-Belt Company, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Manitowoc Engineering Works, Manitowoc, Wis.
Ohio Machine & Boiler Co., 1510H University rd, Cleveland, O.



Handling Larger Die Work

This machine has been brought out to meet the demand for a larger filing machine.

"HARTFORD" Die Filing Machines

will handle a heavier class of work in addition to the smaller sizes. Top plate is 8 in. square and stroke of file is 1½ in. Machine makes 600 strokes per minute, and weighs 51 lb.

Write for complete details

THE ROBINSON TOOL WORKS, Inc., Waterbury, Conn

POOLE ENGINEERING & MACHINE CO., Woodberry, Baltimore, Md.
See adv index at end of book

Renneburg E. & Sons Co., 2639 Boston, Baltimore, Md.

Sackett A. J., cor 4th av & 1st, Baltimore, Md.

SMITH T. L. CO. ("Smith" Mixers for Mixing all Kinds of Artificial Fertilizers), 1151 32nd, Milwaukee, Wis.
See adv index at end of book

Stedman's Foundry & Machine Works, Aurora, Ind.

Stroud E. H. & Co., 928-934 Fullerton av, Chicago, Ill.

STURTEVANT MILL CO. ("Sturtevant" Single Machines & Complete Units), Clayton & Park, Dorchester, Boston, Mass.

Vulcan Iron Works, Inc., Hudson & Essex, Jersey City, N. J.

Walker & Elliott, Wilmington, Del.

Wilmington Iron Works, Wilmington, N. C.

Withers Foundry & Machine Wks., Atlanta, Ga.

8295—Fibre Cleaning Machines

Smith Samuel Machine Co. ("Brandy"), Lawrence, Mass.

Watson Machine Co., Paterson, N. J.

8296— Fibre Machinery

Ehrsam J. B. & Sons Mfg. Co. (Wood), Enterprise, Kans.

Knowlton M. D. & Co., 26 Elizabeth, Rochester, N. Y.

8297—Fibre Machinery (Hard Fibre)

Downingtown Mfg. Co., East Downingtown, Pa.

Lobdell Car Wheel Co., Wilmington, Del.

Pusey & Jones Co., Wilmington, Del.

8298—File Cutting Machinery

Hess Machine Wks. (Also Kasp Machinery), 4951 Lancaster, Phila., Pa.

8299-8300—File Room Machinery

See also Saw Filing & Setting Machines; also Band Saw Setting Machines

Covel Mfg. Co., Benton Harbor, Mich.

Hanchett Swage Works, Big Rapids, Mich.

Mershon W. B. Co. (Saw & Planing Mill), Saginaw, Mich.

8301— Filing Machines

Add-Index Corp., 120 B'way, New York

Boston Tool & Mfg. Co., Inc. ("Boston Universal"), 262 Dover, Boston, Mass.

Johnson & Biddle Tool Co. ("J. & B."), Elkhart, Ind.

Noble & Westerbrook Mfg. Co., Hartford, Conn.

Oliver Instrument Co. (With Sawing Attachment), Adrain, Mich.

ROBINSON TOOL WORKS, INC. ("Hartford," Motor or Belt Driven), Waterbury, Conn. *See adv index at end of book*

Stearns E. C. & Co. (Circular Saw Side), 450 Oneida, Syracuse, N. Y.

8302—Filing Machines (Bench)

AMES B. C. CO. ("Ames"), North Station, Waltham, Mass.
See adv index at end of book

Boston Tool & Mfg. Co., Inc. ("Boston Universal"), 262 Dover, Boston, Mass.

8303—Filing Machines (Die)

Anderson Die Machine Co. ("Anderson," (Rotary Process), 544 Iranistan av, Bridgeport, Conn.

Boston Tool & Mfg. Co., Inc. ("Boston Universal"), 262 Dover, Boston, Mass.

Cochrane-Bly Co. (For Sawing Out & Filing Blanking Dies), Rochester, N. Y.

Illinois Tool Works, 2501 N. Keeler av, Chicago, Ill.

Oliver Machinery Co. ("Rearwin"), Grand Rapids, Mich.

Rearwin W. D., Grand Rapids, Mich.

ROBINSON TOOL WORKS, INC. ("Hartford," Motor or Belt Driven), Waterbury, Conn. *See adv index at end of book*

Thurston Mfg. Co. ("Thurco"), 140 Benedict, Providence, R. I.

8304—Filter Cloth & Bag Washing Machines

American Laundry Machinery Co., Cincinnati, Ohio

8305—Filter Mass Washing Machines

Blaisdell Co. ("Blaidell"), Pacific Elec. bldg, Los Angeles, Cal.

Kaestner & Hecht Co., 500 Throop, Chicago, Ill.

8305a—Finishing Machines for Concrete Roads

Austin Machy. Corp., Dorr at Westwood av, Toledo, Ohio

Dunn Road Machinery Co., Conneaut, O.

Heitzel Steel Form & Iron Co. (The), Warren, Ohio *See adv index at end of book*

Lakewood Engng. Co., Cleveland, O.

8306— Fire Hose Machinery

Royle, Jno. & Sons, Inc., Paterson, N. J.

8307— Fire-Proofing Machinery

Bonnot Company, 722 Mulberry S. E., Canton, O.

Fate-Root-Heath Co., Plymouth, O.
See adv index at end of book

Freese E. M. & Co., Galion, O.

Hadfield-Penfield Steel Co. (The), Bucyrus, Ohio *See adv index at end of book*

8308—Fish Dressing Machines

Smith Cannery Machine Co. ("Iron Chink"), Seattle, Wash.

8309-10—Fish Line Machinery

Brownell G. L., 49 Union, Worcester, Mass.

8311— Flanging Machines

See also Presses, Hydraulic Flanging

Alliance Machine Co., Alliance, O.

Ams Max Machine Co. (Automatic for Can Makers), 101 Park av, New York
See adv index at end of book

Bethlehem Steel Co. (Hydraulic), Bethlehem, Pa.

BLISS CO., E. W. (Sheet Metal), 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book

Chambersburg Engineering Co. (Four Column & Universal Hydraulic), Chambersburg, Pa.

Hydraulic Press Mfg. Co. ("H. P. M." Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*

Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.

McCabe Mfg. Co. ("McCabe" Pneumatic), Lawrence, Mass.

Morgan Engineering Co. ("Universal" Hydraulic, for Boiler Heads, etc.), Alliance, Ohio.

Niagara Machine & Tool Works (Sheet Metal), Buffalo, N. Y.

Niles-Bement-Pond Co., 111 Broadway, New York
See adv index at end of book

QUICKWORK CO. (Also cut circles), St. Marys, Ohio
See adv index at end of book

Sievert Chas. W. (Hand & Power), 710 N Main, Los Angeles, Cal.

Southwark Foundry & Machine Co., 1123 S 4th, Philadelphia, Pa.
See adv index at end of book

Stecher Chas. Co. (For Can Makers), 1530 Crossing, Chicago, Ill.

Wickes Bros., Saginaw, Mich.
See adv index at end of book

8312—Flask Stripping Machines

Osborn Mfg. Co. ("Osborn" Hand & Power, etc), 5401 E Hamilton av, Cleveland, O.

8313—Flax Seed Cleaning Machines

Howes S Co. Inc., Silver Creek, N. Y.

Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.

Invincible Grain Cleaner Co., Silver Creek, N. Y.

8313a— Flaxing Machines

Allis-Chalmers Mfg. Co. (Flour Mill), Milwaukee, Wis.
See adv index at end of book

8314— Flint Machines

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book

Abbe Engineering Co., 38 Church, New York. *See adv index at end of book*

Koegel Chas & Sons, Holyoke, Mass.

8315—Floor Polishing Machines

Dale-Rey Corp., 25 Church, New York

Elec. Rotary Mach. Co. ("Electric Rotary Machine"), 3825 W. Lake, Chicago, Ill.

Kent Co. ("Utility"), 57 Dominick, Rome, N. Y.

Lincoln-Schlueter Machy. Co. (Tile & Composition), 225 W Illinois, Chicago, Ill.

Wisconsin Fdry. & Mach. Co., Madison, Wis.

8316—Floor Scraping Machines

See also Scrapers, Floor

Duncan Bros. & Wray Co. ("Perfection," "Wray"), Ludlow Falls, O.

Fox Supply Co. ("Fox"), Brooklyn, Wis.

Hurley Machine Co. ("Little Giant"), Cicero, Ill.

Kepplinger Geo. J. ("Boss"), Dwight, Ill.

Lincoln-Schlueter Machy. Co., 225 W Illinois, Chicago, Ill.

Miotke Jos. ("Acme"), 144 Clinton, Milwaukee, Wis.

Weber Mfg. Co., West Allis, Wis.

8317—Floor Scrubbing Machines

Dale-Rey Corp., 25 Church, New York

Elec. Rotary Mach. Co. ("Electric Rotary Machine"), 3825 W. Lake, Chicago, Ill.

Finola Mfg. Co. ("Finnell"), Hannibal, Mo

Herr John Mfg. Co., 44 N 4th, Phila, Pa.

Kent Co. ("Utility"), 57 Dominick, Rome, N. Y.

International Floor Machine Co., 149 W 36th, New York

Landers, Frary & Clark (United Vacuum Appliance Div.) ("Connersville" Electric), Dept. H. Connersville, Ind.

Lincoln-Schlueter Machy. Co., 225 W Illinois, Chicago, Ill.

8318—Floor Surfacing Machines

Am. Floor Surfacing Machine Co. ("American Universal"), 515 S. St. Clair, Toledo, Ohio

Cavicchi Polishing Mach. Co. (Electric), 62 Walnut, Dorchester, Boston, Mass.

Electric Floor Surfacer Co., 220 19th, New York

(Continued on following page)

Floor Surfacing Machines—Cont.

Elec. Rotary Mach. Co. ("Electric Rotary Machine"), 3825 W. Lake, Chicago, Ill.
Fox Supply Co., Brooklyn, Wis.
Lincoln-Schlueter Machy. Co. ("Schlueter" Rapid Electric), 225 W Illinois, Chicago, Ill.
Little Giant Co. ("Little Giant"), 511-513 Madison, Maywood, Ill.
Miotke Jos. ("Acme"), 144 Clinton, Milwaukee, Wis.
Northern Floor Surfaces Co., Green Bay, Wis.
Power L & Co., 20 S 23rd, Phila., Pa.
Wayvell Choppell & Co. ("Wayvell-Choppell" automatic), 38 N Jackson, Waukegan, Ill.

8318a— Flotation Machines

Allis-Chalmers Mfg. Co. ("Jones-Belmont"), Milwaukee, Wis.
See adv index at end of book
Braun Corp., 363 New High, Los Angeles, Cal.
Kennard & Bierce, Hollingsworth bldg, Los Angeles, Cal.
McFarlane-Eggers Machy. Co., 2763 Blake, Denver, Col.
Southwestern Engineering Co. ("K. K."), 606 S Hill, Los Angeles, Cal.
Stimpson Equipment Co., Salt Lake City, Utah

8319—Flour Blending Machinery

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York. *See adv index at end of book*
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Barnard & Leas Mfg. Co. ("Daisy" Feeder & Mixer), Moline, Ill.
Day, J. H. Co., Cincinnati, O.
Gump B. F. Co., 431 Clinton, Chicago, Ill.
Howes S. Co. Inc. (for Flour & Feed), Silver Creek, N. Y.
Robinson Mfg. Co., Muncy, Pa.
Savage W. J Co., Knoxville, Tenn
Sprout Waldron & Co., Muncy, Pa.
See adv index at end of book
Triumph Mfg. Co., Cincinnati, O.
Wolf Co. (For Bakeries), Chambersburg, Pa.

8320— Flour Mill Machinery

See also Grain Elevator Machinery, Etc
Acme Mill Works, Greensboro, N. C
Adt John B. Co. ("Adt," Potato Flour), 344 N Holliday, Baltimore, Md.
Albany Iron Works, Albany, Ore.
ALLIS-CHALMERS MFG. CO. ("Allis," "Allis-Chalmers"), Milwaukee, Wis.
See adv index at end of book
Alsop Process Co. ("Alsop Electrofier" Bleaching Machy. Only), 600 S 6th, St. Louis, Mo.
Anglo-American Mill Co., Owensboro, Ky.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Barnard & Leas Mfg. Co. ("Barnard Moline," "Daisy" Feeders & Packers), 403 20th, Moline, Ill.
Barnard Mfg. Co., Spokane, Wash.
Barnard Mill Furnishing Co., N 1324 Ash, Spokane, Wash.
Barnard & Leas Mfg. Co., Moline, Ill.
Beall Improvement Co., Inc., Decatur, Ill.
Blymyer Iron Works Co. ("Queen of South"), Cincinnati, O.
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Caldwell W. E. Co., Louisville, Ky.
De Loach Mill Mfg. Co., 318 Carter, Chattanooga, Tenn.
Dibert L. C. Co., 35 Minna, San Francisco, Cal.
Dutton J. B. Machinery Co., 58 Washington blvd, Detroit, Mich.
Ehrsam J. B. & Sons Mfg. Co., Enterprise, Kan.
Essmueller Mill Furnishing Co., 1222 S 8th, So. Louis. Mo.
Fraser Co., 667 E Water, Milwaukee, Wis.
Great Western Mfg. Co., Leavenworth, Kan.
Gump B. F. Co. (Rebuilt Machinery), 431 S Clinton, Chicago, Ill.
Howes S. Co., Inc., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor") Cleaners, Separators, Scourers, Polishers, Packers, Feeders, Mixers, Shuckers, Dust Collectors, etc), Silver Creek, N. Y.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
McKain Mfg. Co., 921 N Main, Los Angeles, Cal.
Moore Geo. W. Co., 2144 W Fulton, Chicago, Ill.
Nordyke & Marmon Co. (All Kinds), Kentucky av & Morris, Indianapolis, Ind.
Nove Bros. Co., Buffalo, N. Y.
Prinz & Rau Mfg. Co., 659 E Water, Milwaukee, Wis.
Richmond Mfg. Co., Lockport, N. Y.
ROBINSON H. MFG. CO. ("Unique"), Muncy, Pa.
Ross J. J. Mill Furnishing Co., 61 Front, Portland, Ore.
Salem Foundry & Machine Works, Salem, Va.
Salt Lake Iron & Steel Co., Salt Lake City, Utah
San Francisco Mill Furnishing Co., 521 7th, San Francisco, Cal.
Savage W. J. Co., Knoxville, Tenn.
Simpson-Orville Co., 1230 Knowlton, Cincinnati, O.
Southern Engine & Boiler Mfg. Co., Jackson, Tenn.
Southwestern Engng. Co., Springfield, Mo.
Spaulding Horace R., 898 Folsom St., San Francisco, Cal.
Sprout Waldron & Co., Muncy, Pa.
See adv index at end of book
Starr B. F. Co., 445 Guilford av, Baltimore, Md.
Strong-Scott Mfg. Co., 413 S 3rd, Minneapolis, Minn.
Ty-Sa-Man Machine Co., White av, Knoxville, Tenn.
Wagner J. Mfg. Co., 165 Beale, San Francisco, Cal.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Wolf Co. (Complete Plants), Chambersburg, Pa.
Ypsilanti Machine Works, Ypsilanti, Mich.

8321—Flour Sifting & Mixing Machines

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Allis-Chalmers Mfg. Co. ("Allis"), Milwaukee, Wis.
See adv index at end of book
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Read Machinery Co., York, Pa.
ROBINSON H. MFG. CO., Muncy, Pa.
Rockwell L. A. Co. (Also Blenders), 436 Smith, Brooklyn, N. Y.
Sprout Waldron & Co., Muncy, Pa.
See adv index at end of book
Triumph Mfg. Co., Cincinnati, O.
Wolf Co., Chambersburg, Pa.

8322-3—Flower Pot Machinery

Ivens, Wm. H. Sons Co., P. O. Box 647, Trenton, N. J.
Taplin-Rice-Clerkin Co., Akron, O.

Flue Cleaning Machinery

See Cleaners, Boiler Flue or Tube, Steam or Power

8324-5-6-7—Flue Welding Machines

See also Furnaces, Flue Welding; also Pneumatic Flue Welders
Davis Bournonville Co., Van Wagner av, Jersey City, N. J.
FEDERAL MACHINE & WELDER CO. (THE), Dana av, Warren, Ohio
See adv index at end of book
Hartz H. V. Co., Cuyahoga & Mahoming av, Cleveland, O.
Hauck Mfg. Co., 101 11th, Brooklyn, New York
MacLeod Co. (Paint, White Wash Spraying Machine), 2227 Bogen, Cincinnati, O.
See adv index at end of book
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book

8328—Fly Inserting Machines

Hobbs Mfg. Co. (For Paper Box Makers), 26 Salisbury, Worcester, Mass.

8329—Folding Box Machinery

United Printing Machinery Co., 87 Broad, Boston, Mass.

8330—Foot Power Sawing Machines

Millers Falls Co. ("Cricket"); Works: Millers Falls, Mass.

8331-2-3—Forging Machines

See also Hammers, Power; also Presses, Power; also Presses, Hydraulic Forging; also Bulldozer or Bending Machines
Acme Machinery Co., 4533 St. Clair av, Cleveland, O.
Ajax Mfg Co., 3830 Lakside av, Cleveland, O.
Beaudry & Co., Inc. ("Champion," "Peerless," Belt or Motor Driven), 1840 Parkway, Boston, Mass.
Bethlehem Steel Co., South Bethlehem, Pa.
Billings & Spencer Co. ("B. & S."), Hartford, Conn.
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Chambersburg Engineering Co., Chambersburg, Pa.
Elmes Chas. F. Engng. Wks., Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Hydraulic Press Mfg. Co. ("H. P. M." Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*
Lourie Hydraulic Press Co., Springfield, Ill. *See adv index at end of book*
MERRILL BROS (Drop Hammers), 3 Arnold (Queens Boro), Maspeth, L. I., N. Y.
See adv index at end of book
Morgan Engineering Co., Alliance, O.
National Machinery Co., Tiffin, O.
Niles-Bement-Pond Co., 111 B'way, New York
See adv index at end of book
Pawtucket Mfg. Co., Pawtucket, R. I.
Southwark Foundry & Machine Co., 1128 S 4th, Philadelphia, Pa.
See adv index at end of book
Toledo Machine & Tool Co., Toledo, O.
Union Switch & Signal Co., Swissvale, Pa.
United Hammer Co. ("Dupont"), 45 Bromfield, Boston, Mass.
Williams, White & Co., Moline, Ill.

Forging Machines (Hydraulic)

See Presses, Hydraulic Forging

Forgings (Upsetting Machinery)

See Forgings (Machinery, Upset)

8334—*Forming Machines (Hydraulic)

Elmes Chas. F. Engng. Wks., Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Hydraulic Press Mfg. Co., 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book
Southwark Foundry & Machine Co., 1128 S 4th, Philadelphia, Pa.
See adv index at end of book
WATSON-STILLMAN CO., 38 Church, New York *See adv index at end of book*
WOOD R. D. & CO., 400 Chestnut, Phila., Pa.

8335—Forming & Bending Machines

See also Wire Forming Machines; also Wood Forming Machines
Ajax Mfg. Co., 3830 Lakeside av, Cleveland, O.
Baird Machine Co. ("Automatic Wire"), Stratford av, Bridgeport, Conn.
Bertsch & Co., Cambridge City, Ind.
Chambersburg Engineering Co., Chambersburg, Pa.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Coulter & McKenzie Machine Co. (For Wire & Sheet Metals), 771 Water, Bridgeport, Conn.
DREIS & KRUMP MFG. CO., 7420 Loomis, Chicago, Ill.
See adv index at end of book
Frost C. L. & Son, Grand Rapids, Mich.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Hartford Machine Screw Co. (Forming), Hartford, Conn.
Hendley & Whittemore ("Beloit" Slip Roll, Hand & Power), Beloit, Wis.
Hydraulic Press Mfg. Co. ("H. P. M." Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*
Lang E. M. Co., 341 Fore, Portland, Me.
Leffler Chas. & Co. (Can Forming, Bending, etc), 59 Clymer, Brooklyn, N. Y.
McKenna Co., 1853 E 38th, Cleveland, O.
MOLITOR CHAS. MACHINERY CO. (Sheet Metal), 118-124 S Clinton, Chicago, Ill.
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*
Ohl Geo. A. & Co. (Sheet Metal), 159 Oraton, Newark, N. J.
Peck, Stow & Wilcox Co. (Sheet Metal), Southington, Conn.
QUICKWORK CO., St. Marys, Ohio
See adv index at end of book
Robinson J. M. Mfg. Co. (Sheet Metal), 3282 Spring Grove av, Cincinnati, O.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill.
See adv index at end of book
SOUTHWARK FOUNDRY & MACHINE CO., 1128 S 4th, Phila., Pa.
See adv index at end of book
Swaine Fred. J. Mfg. Co. (Can Body), 7th & O'Fallon, St. Louis, Mo.
Wallace Supplies Mfg. Co., 1312 Diversey pkway, Chicago, Ill.
WATSON-STILLMAN CO., 38 Church, New York *See adv index at end of book*
Whiting Geo. Co. (Forming), 1719 Elston av, Chicago, Ill.
Wickes Bros., Saginaw, Mich.
See adv index at end of book
Williams, White & Co., Moline, Ill.
Wood Wm. H., Media, Pa.
Yoder Co. (& Rolling-in), 5570H Walworth, Cleveland, O.

8336—Forming & Curving Machines

Niagara Machine & Tool Works (For Corrugated Material), Buffalo, N. Y.

8337— Foundry Machinery

See also the Specific Article Required

Dayton-Dowd Co. ("Reliable") Quincy, Ill.

Ideal Concrete Machinery Co. (FOUNDRY MIXERS for mixing facing sand, course sand or ordinary foundry sand. Mixer made in 9 and 14 ft. capacities), 5007 Spring Grove av, Cincinnati, Ohio
See adv index at end of book

INGERSOLL-RAND CO., 11 B'way, New York *See adv index at end of book*

MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

National Engng. Co., 549 W Washington blvd, Chicago, Ill.

SHUSTER F. B. CO. (Sprue Cutters), Cedar Hills, New Haven, Conn.
See adv index at end of book

Tabor Mfg. Co., 6225 Tacony, Phila., Pa.

8338—Fourdrinier & Cylinder Paper Machines

Bagley & Sewall Co., Watertown, N. Y.
Beloit Iron Works, Beloit, Wis.
Black-Clawson Co., Hamilton, O.
Clark H. C. & Son Machine Co., Lee, Mass.
Emerson Mfg. Co., Lawrence, Mass.
Horne J. H. & Sons Co., Lawrence, Mass.
Moore & White Co., N 15th & Lehigh av, Phila., Pa.
Pusey & Jones Co., Wilmington, Del.
Rice Barton & Fales, Inc. 65 Taintor, Worcester, Mass.
Sandy Hill Iron & Brass Works, Hudson Falls, N. Y.
Smith & Winchester Mfg. Co., South Windham, Conn.

8339—Fraying Machines (Carpet)

Reed Mfg. Co. (Hand & Power), Springfield, O.

Freight Handling Machines

See Conveyors, Freight

8340—*Fruit Can Machinery

Ams Max Machine Co., 101 Park av, New York. *See adv index at end of book*

BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book

Premier Machinery Co., Oakland, Cal.

8341—Fruit Grading & Packing Machines

Anderson-Barngrover Mfg. Co., San Jose, Cal.
Cutler Mfg. Co., 353 E 10th, Portland, Ore.
Premier Machinery Co., Oakland, Cal.
Skinner Machinery Co. (Orange Grading), Dunedin, Fla.
Smith Mfg. Co. Inc. (Dried & Green), Stockton & Alameda, San Jose, Cal.
Stebler Parker Co., Inc., 171 9th, Riverside, Cal.
Success Mfg. Co. ("Success"), E 1027 Marietta av, Spokane, Wash.
Vulcan Machine Works, 90 N 4th, Portland, Ore.
See adv index at end of book

Fruit Package Stapling Machines

See Wire Stapling Machinery

Fruit Paring Machines

See Parers, Fruit & Vegetable

8342—Fruit & Vegetable Pulp Rubbing Machines

Anderson Barngwover Mfg. Co., 333 W Julian, San Jose, Cal.
Kelso & Co., 559 W Quincy, Chicago, Ill.
Premier Machinery Co., Oakland, Cal.

Fuel Briquetting Machinery

See also Briquetting Machines

8343—Fuller's Earth Machinery

Abbe Paul O. Inc., 71A Murray, New York
See adv index at end of book

Abbe Engineering Co., 38 Church, New York *See adv index at end of book*

Sprout Waldron & Co., Muncy, Pa.
See adv index at end of book

Fur Dressing Machinery

See Fur Manufacturers' Machinery

8344—Fur Manufacturers' Machinery

Almond David (Blowers, Mixers, Cutters, etc), 88 Warren, Newark, N. J.
Corey Machine Co. (For Combing, Washing & Clipping Fur Skins), Gloversville, N. Y.
Horstmann F. W. Co., Irvington, N. J.
Newark Leather Machy. Co., Inc. (Fur Stretching & Fleshing), 153 Freilinghuysen av, Newark, N. J.
Ozann Frederick Co. (Beating & Sewing), 245 7th av, New York

8345—Furnace Charging Machines

See also Furnaces, Various Kinds

Brosius Elgar E., Benedum Trees bldg, Pittsburgh, Pa.
Morgan Engineering Co. (For Both Horizontal and Vertical Furnaces), Alliance, O.
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, O.
Whiting Corp. (Cupola), Dept. H, Harvey, Ill.

8346-7-8—*Furnace Pipe Seaming Machines

Niagara Machine & Tool Works, Buffalo, N. Y.

8349-50-1—Galvanizing Machinery

Erie Foundry Co. (Sheet), Dept. H, Erie, Pa.
McDermott P. J., Martins Ferry, Ohio.
National Galvanizing & Plating Equipment Corp. (Electro), 52 B'way, New York
United Engineering & Foundry Co., Farmers Bk. bldg, Pittsburgh, Pa.

Gang Drilling Machines

See Wood Gang Drilling Machines; for Metal Drills, see Drilling Machines, Gang

Garbage Disposal Machines

See Garbage Disposal Plants

8352—Gas Burner Drilling Machines

Michigan Press Co., Ypsilanti, Mich.

8353— Gas Machines

Brauer Acetylene Lighting Co., Marshalltown, Ia.
Daugherty W. Co., Princeton, Ind.
Davis & Thomas Co. (Coal and Water), Catasaqua, Pa.
Incandescent Light & Stove Co., Madisonville, Cincinnati, O.
Kemp C. M. Mfg. Co. ("Climax" "Twentieth Century," for Generating Fuel Gas for Manufacturing), 405 E. Oliver, Baltimore, Md.
Matthews Gas Machine Co. (Supplies), 180 N Dearborn, Chicago, Ill.
Penna. Globe Gas Light Co., 1934 Market, Phila., Pa.
Speer Gas Machine Mfg. Co., 412-413 Bumiller bldg, Los Angeles, Cal.
Stonington Gas Lighting & Electric Co., Stonington, Me.
Tirrill Gas Mach. Lighting Co., 50H Church, New York
United States Gas Machine Co., Muskegon, Mich.
Walther-Volger Gas Mach. Co., Davenport, Ia.

8354—Gas Machines (Acetylene)

Abner Mfg. Co., Wapakoneta, O.
Acetylene Generator Mfg. Co. ("S. N."), 3631 S Park av, Los Angeles, Cal.
Air Reduction Sales Co., 342 Madison av New York
Brauer Acetylene Lighting Co. ("Brauer"), Marshalltown, Ia.
Breher L. S., 183-187 W Third, St. Paul, Minn.
Brooks Machine Co. ("Brooks" Automatic Generators for Oxy Acetylene Welding), Wichita, Kansas
Carbic Mfg. Co., 301 S 55th av, Duluth, Minn.
Charbeneau J. C., Mt. Clemens. Mich.
Davis Acetylene Co. (Carbide Feed), Elkhart, Ind.
Detmer Mfg. Co., 2518 Archer av, Chicago, Ill.
Erth Lithe Mfg. Co., Charleston, Ill.
Hercules Mfg. Co., Chattanooga, Tenn.
Imperial Brass Mfg. Co., 1200 W Harrison, Chicago, Ill.
International Oxygen Co. (dlrs.), 796 Freilnghuysen av, Newark, N. J.
Ireland Mfg. Co., Washington C. H., O.
Kentucky Oxygen-Hydrogen Co., 1416 Magazine, Louisville, Ky.
Krein Mfg. Co. ("Abner"), Wapakoneta, Ohio
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Milburn Alexander Co. (Generators for House Lighting, etc), 1420 W Baltimore, Baltimore, Md.
Model Generator Co., Louisville, Ky.
Moore Bros. Lightning Rod Co. ("Victor"), Maryville, Mo.
Night Commander Lighting Co., Jackson, Mich.
Rose Mfg. Co. ("Nervous"), 370 Filbert, Phila., Pa.
St. Clair Mfg. Co. ("Daytonia"), Dayton, Ohio
Straub Mfg. Co., Dept H, 5th & Chestnut, Oakland, Cal.
Sober, C. K. (Lumber), Lewisburg, Pa.
Superior Oxy-Acetylene Machine Co., Hamilton, O.
Texas Acetylene Co. ("New Idea"), Cleburne, Texas
Torchweld Equipment Co., 224 N Carpenter, Chicago, Ill.
U. S. Standard Co. ("Night Commander"), Voorheesville, N. Y.
Victor Oxy-Acetylene Equipment Co. ("Victor"), 844 Folsom, San Francisco, Cal.
See adv index at end of book

8355—Gas Machines (Gasoline)

Economy Gas Machine Co. ("Economy"), Rochester, N. Y.
Freeport Gas Machine Co., Freeport, Ill.
Hawkeye Mfg. Co., Waterloo, Iowa
Incandescent Light & Stove Co., Madisonville, Cincinnati, O.
Kemp C. M. Mfg. Co. ("Climax" Twentieth Century," for Generating Fuel Gas for Manufacturing), 405 E Oliver, Baltimore, Md.
Matthews Gas Machine Co., 6 E Lake, Chicago, Ill.
Severance Gas Machine Co., Freeport, Ill.
Tirrill Gas Mach. Lighting Co. (For Lighting, Cooking, Heating & Power), 50H Church, New York
University Apparatus Co., 2229 McGee av, Berkeley, Cal.
Wather-Vogler Gas Machine Co. (Cold Process), Davenport, Iowa

8356—Gas Machines (Naphtha Gas)

Kemp C. M. Mfg. Co. ("Twentieth Century" for Generating Fuel Gas for Manufacturing), 405 E Oliver, Baltimore, Md.

8357—Gas Retort House Machinery

Western Gas Construction Co., 1431 Buchanan, Fort Wayne, Ind.

8358— Gas Works Machinery

See also Gas Works Apparatus & Construction; also Specific Article Required

Bethlehem Steel Co., Bethlehem, Pa.
Electrolabs Co., 2635 Penn av, Pittsburgh, Pa. *See adv index at end of book*
Gas Machinery Co. ("Gasmaco" By-Product Machinery, etc.), 1900 Euclid av, Cleveland, Ohio
Isbell-Porter Co. (Charging & Discharging Machinery, Extraction, etc.), 46 Bridge, Newark, N. J.
Llewellyn Iron Works, 1200 N Main, Los Angeles, Cal.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.

8358a—Gas & Air Mixing Machines

Kemp, C. M. Mfg. Co. ("Kemp" for Reducing Gas Consumption), 405 E. Oliver, Baltimore, Md.

8359—Gate Hook Machines (Automatic)

Nilson A. H. Machine Co., 55 William, Bridgeport, Conn.

8360—Gear Cleaning Machines

Upton & Gilman Machine Co. (Automatic), Lowell, Mass.

8361—Gear Cutting Machines

Barber-Colman Co., Rockford, Ill.
Bilgram Machine Works (Bevel), 1235 Spring Garden, Phila., Pa.
Bilton Machine Tool Co. The ("Bilton" Automatic Gear Miller), Bridgeport, Conn.
Brown & Sharpe Mfg. Co. (Automatic), Providence, R. I.
Cincinnati Gear Cutting Machine Co. (Automatic), Elam & Garrard av, Cincinnati, O.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Fellows Gear Shaper Co. ("Fellows Gear Shaper"), Springfield, Vt.
Flather Mfg. Co. (Automatic), Nashua, N. H.
GLEASON WORKS (Bevel, Spiral Type Bevel, Roughing and Finishing), 1000 University av, Rochester, N. Y.
See adv index at end of book
Gould & Eberhardt (Automatic Gear & Pinion), 97 N. J. R. R. av, Newark, N. J.
Hoosier Drilling Machine Co., Goshen, Ind.
Machine Products Co., E 179th & St. Clair, Cleveland, O.
Mackintosh- Hemphill Co., 12th & Etna, Pittsburgh, Pa.
New Britain Machine Co. ("New Britain"), New Britain, Conn.
Newark Gear Cutting Machine Co. (Automatic), 69 Prospect, Newark, N. J.
Reynolds Machine Co. (Automatic), Massillon, O.
Ryerson Jos. T. & Son, Inc., 2558 W. 16th, Chicago, Ill.
See adv index at end of book
Simmons Machine Co. (Inc.), 987 Broadway, Albany, N. Y.
Sloan & Chase Mfg. Co. (Ltd.), (Automatic), 351 6th av. Newark, N. J.
Stevenson Gear Co. ("Stevenson" Multiple Shaper), 11th & Cornell, Indianapolis, Ind.
WALTHAM MACHINE WORKS (Small, Automatic), Waltham, Mass.
Whiton D. E. Mfg. Co., New London, Conn.

8362—Gear Hobbing Machines

Adams Co. ("Farwell' Automatic), Dubuque, Ia.
Barber-Colman Co. ("Barber Colman"), Rockford, Ill.
Bilton Machine Tool Co., The, ("Bilton"), Bridgeport, Conn.
Gould & Eberhardt, 97 N J. R. R. av, Newark, N. J.
Gray Machine & Parts Corp., Dept H, Batavia, N. Y.
Hercules Machine & Tool Co. ("Hercules"), 404 Broome, New York
Lees-Bradner Co., Cleveland, O.
MEISSELBACH - CATUCCI MFG. CO. ("M-C" Hobbing Gear Cutter), 56 Stanton, Newark, N. J.
See adv index at end of book

M-C GEARS PINION ROD
Gear Hobbing Machines
Meisselbach-Catucci Mfg. Co.
56 Stanton St., Newark, N. J.

Natisch Gear Works, Inc. ("Schuchardt & Schulte), 451 Hudson av, Brooklyn, N. Y.
Newark Gear Cutting Machine Co. ("Newark"), 69 Prospect, Newark, N. J.
Reynolds Machine Co. (Automatic)
Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.

8362a—*Gear Moulding Machines

Fulton Iron Works Co., 1259 Delaware av, St. Louis, Mo.

8363—Gear Testing Machines

Adams Co. ("Farwell"), Dubuque, Ia.
GLEASON WORKS, 1000 University av, Rochester, N. Y.
See adv index at end of book
Jones & Lamson Mach. Co. ("Hartness"), Springfield, Vt.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.

8364—Gear Tooth Rounding Machines

Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Walker Chas. H. Machine Co., 819 Lawton, Detroit, Mich.

8365-6—Gelatine Coating Machines

Colton Arthur Co., 2600H E Jefferson, Detroit, Mich.

8367—Gin Saw Filing Machines & Gummers

Carver Cotton Gin Co., East Bridgewater, Mass.
Creasy Rotary Filer Co., Ballinger, Tex.
Wood A. A. & Sons Co. ("Duplex"), Atlanta, Ga.

8367a—Glass Beveling Machinery

See also Glass Polishing Machines

Lange Henry G., 162 N May, Chicago, Ill.

8368—Glass Blowing Machines

Fox & Sons Co., 5th & Chestnut, Phila., Pa.
Miller Machine & Mould Works (Automatic), Columbus, Ohio
Yockel Chas. & Sons, 1220 N Lawrence, Phila., Pa.

8369—Glass Decorating Machinery

Tilghman Brookshank Sand Blast Co. (Sand Blast Etching Machines), 1126H S 11th, Philadelphia, Pa.

8370—Glass House Machinery

Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Abbe Paul O. Inc., 71A Murray, New York
See adv index at end of book
Acton John (Glass Roughing, Smoothing, etc), 118 John, Brooklyn, N. Y.
Cox & Sons Co., 5th & Chestnut, Phila., Pa.
Evans Mold & Foundry Co., Uniontown, Pa.
Fischer Foundry Co., 300 Onyx, Pittsburgh, Pa.
Futrell Coupler Co., Inc., Streator, Ill.
Krebs Emil & Sons, Elwood, Ind.
O'Neill Machine Co., Toledo, O.
Rochester Mould & Machine Co., Rochester, Pa.
Rosedale Foundry & Machine Co. (For Plate, Wire & Ribber Glass), Columbus & Preble, Pittsburgh, Pa.
SMITH, T. L. CO. ("Smith" Glass Batch Mixers), 1151 32d, Milwaukee, Pa.
See adv index at end of book
Sommerfeld Mach. & Mfg. Co., 216 2d av, Pittsburgh, Pa.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
Yockel Chas. & Sons, 1220 N Lawrence, Phila., Pa.

8371—Glass Polishing Machines

Acton John, 118 John, Brooklyn, N. Y.
Cavicchi Polishing Mach. Co., 62 Walnut, Dorchester, Boston, 22, Mass.
Lange Henry G., 162 N May, Chicago, Ill.
Seward & Co., Bloomington, Ind.
Stow Flexible Shaft Co., 26th & Callowhill, Phila., Pa.

8372-3— Glazing Machines

Luther Mfg. Co. (Knife), Olean, N. Y.
Sigwart & Rolston, 341 2nd av, Pittsburgh, Pa.

8374—Glove Machinery, Etc.

Corey Machine Co., Gloversville, N. Y.
Curtin Herbert Co. (Special Machine & Glove Sewing Machines; also All Kinds of Machinery for Leather, Canvas & Silk Glove Mfrs.), Gloversville, N. Y.
Gustin M. & Son (Cutting Dies), Johnstown, N. Y.
Haag's Cutting Die Works (Glove Cutting Dies, etc), Gloversville, N. Y.

8375—Glue Cutting Machines

Black-Clawson Co. (Hand or Belt Power), Hamilton, O.

8376—Glue Factory Machinery & Apparatus

American Process Co., 68 William, New York
Francis Chas. E. Co., Rushville, Ind.
Joslin Schmidt Co., 3223 Spring Grove av, Cincinnati, O.
Mead & Co., Detroit, Mich.
Wallace J. D. & Co., 1401 W Jackson blvd, Chicago, Ill.

8377—Glue Jointing Machines

Falls Machine Co. (Automatic), Sheboygan Falls, Wis.
Francis Chas. E. Co., Rushville, Ind.
Linderman Steel & Machine Co. "Linderman" Dovetail), Muskegon, Mich.
Yates P. B. Machine Co., Beloit, Wis.

8378—Glue Spreading Machines

Boyle John & Co., Peabody, Mass.
Francis Chas. E. & Co., Rushville, Ind.
Grand Rapids Veneer Wks., Grand Rapids, Mich.
Towsley Jno. T. Mfg. Co., 1037 Evans, Cincinnati, O.

8379—Glycerine Machinery & Apparatus

Badger E. B. & Sons Co. (Complete Plants), 75A Pitts, Boston, Mass.
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Garrigue, Wm. & Co., 154 Nassau, New York, & 45th & Western, Chicago
Houchin-Aiken Co., 113 53d, Brooklyn, N. Y.
Jobbins Wm. F., Inc. ("J. Van Ruymbeke's." for Crude & Refining), Aurora, Ill.

8379a—*Gold & Silver Rolling Mill Machinery

Phila. Roll & Machine Co., 52d & Grays av, Phila., Pa.

8380— Graduating Machines

Brandis Sons Mfg. Co., 754 Lexington av, Brooklyn, N. Y.
Burr Co., Champaign, Ill.
Hope Jno. & Sons Engraving & Mfg. Co. (Precision, for Steel Tools, etc), 1 Mashapaug, Providence, R. I.
LeBlond R. K., Machine Tool Co., Cincinnati, O.

8380a—*Grain Cleaning Sieves & Screens

Erdle Perforating Co., 181 York, Rochester, N. Y. *See adv index at end of book*
Premier Machinery Co., Oakland, Cal.

8381—Grain Cleaning & Grading Machinery

See also Flour Mill Machinery

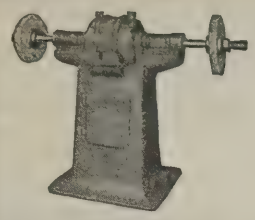
Barnard Machinery Co., Dept. H, Enterprise, Kans.
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Burch Plow Works Co. ("Standard"), Crestline, Ohio
Colfax Manfg. Co., 1701 N E Madison, Minneapolis, Minn.
Constant B. S. Mfg. Co., Bloomington, Ill.
Dibert L. C. Co., 35 Minna, San Francisco, Cal.
Emerson Mfg. Co., 2601 32nd av S, Minneapolis, Minn.
Ghent Mfg. Co. ("Wonder"), Ghent, Minn.
Howes S. Co., Inc., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor," for Grain, Seed, Rice, Flax, Malt, Coffee, Peanuts, Vegetables, etc.), Silver Creek, N. Y.
Invincible Grain Cleaner Co., Silver Creek, N. Y.
Johnson & Field Mfg. Co., Racine, Wis.
Leader Machine Co. (for Grain & Seeds), 2841 N Francisco av, Chicago, Ill.
McKain Mfg. Co., 921 N Main, Los Angeles, Cal.
Maytag Co. ("Hawkeye"), Newton, Ia.
Messinger Mfg. Co., Tatamy, Pa.
New Liberty Washington Machine Co. ("Fooston" Automatic Elevator), St. Paul, Minn.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Owens J. L. Co., Fulton & S. E. Huron, Minneapolis, Minn.
Premier Machinery Co., Oakland, Cal.
Prinz & Rau Mfg. Co. (Iron Prince Scourer), 659 E. Water, Milwaukee, Wis.
Richmond Mfg. Co., Lockport, N. Y.
Robinson H. Mfg. Co., Muncy, Pa.
Sidney Grain Machy. Co., Sidney, Ohio
Spaulding Horace R., 898 Folsom, San Francisco, Cal.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Twin City Separator Co., 1701 N E Madison, Minneapolis, Minn.
Union Iron Works, Inc. ("Western"), Decatur, Ill.
Wagner J. Mfg. Co., 165 Beale, San Francisco, Cal.
Wolf Co., Chambersburg, Pa.

8382—Grain Elevator Machinery & Appliances

Amer. Grain Separator Co., Erie & S E Essex, Minneapolis, Minn.
Barnard Mill Furnishing Co., N 1324 Ash, Spokane, Wash.
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Barnard Mfg. Co., Spokane, Wash.
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Diamond Iron Works, 2nd & 18th av, N Minneapolis, Minn.
Dow Co., 201 H Buchanon, Louisville, Ky.
Erhsam J. B. & Sons Mfg. Co., Enterprise, Kans.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Gill P. H. & Sons, 2 Lorraine, Brooklyn, N. Y.
Globe Machinery & Supply Co., Des Moines, Ia.
Great Western Mfg. Co., Leavenworth, Kans.
Hastings Foundry & Iron Works, Hastings, Neb.
Howes S. Co., Inc., Silver Creek, N. Y.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Marseilles Works of Deere & Co., East Moline, Ill.
Minneapolis Steel & Machinery Co., 2854 Minnehtht av, Minneapolis, Minn.
Moore Geo. W. Co., 2144 W Fulton, Chicago, Ill.
Moore & Lorenz Co., 2144 W Fulton, Chicago, Ill.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Power Equipment Co., 212 3rd av, N Minneapolis, Minn.
Lutz Co., Inc., Morris & Bambrey, Philadelphia, Pa.
Premier Machinery Co., Oakland, Cal.
Robinson H. Mfg. Co., Muncy, Pa.
Sidney Grain Machy. Co., Sidney, Ohio
Southwestern Engng. Co., Springfield, Mo.
Sprout Waldron & Co., Muncy, Pa.
See adv index at end of book
Stephens-Adamson Mfg. Co., Aurora, Ill.
Strong-Scott Mfg. Co., 413 S 3rd, Minneapolis, Minn.
Success Mfg. Co., Dept. H, Spokane, Wash.
Union Iron Works, Inc., Decatur, Ill.
WEBSTER MFG. CO., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Weller Mfg. Co., 1856 N Kastner av, Chicago, Ill.
Wolf Co., Chambersburg, Pa.
York Foundry & Engine Works, York, Pa.

8383— Grain Fan Machines

Blymyer Iron Works Co. (For Rice), Cincinnati, O.

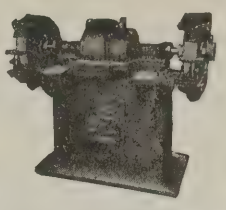


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Floor Grinders, Tool Grinders, Face Grinders, Shear Blade and Machine Knife Grinders, Sectional Wheel Grinders, Swing Frame Grinders, Surface Grinders, Buffing and Polishing Lathes, etc., belt or motor driven.

BRIDGEPORT SAFETY EMERY WHEEL CO.
88 Knowlton St., Bridgeport, Conn.



8384—Grain Scouring & Polishing Machines

Anglo-Am. Mill Co. (Scourers Only), Owensboro, Ky.
Howes S. Co., Inc., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor," for Grain of All Kinds), Silver Creek, N. Y.
Robinson H. Mfg. Co., Muncy, Pa.
Sidney Elevator Mfg. Co., Muncy, Pa.
Sprout Waldron & Co., Muncy, Pa.
See adv index at end of book
Wolf Co., Chambersburg, Pa.

Granite Column Cutting Machines

See Stone Cutting Machines

8385—Granite Sawing Machines

American Granite Saw Co., Worcester, Mass.

8386— Granulating Machines

Abbe Paul O., Inc., 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.
Colton Arthur Co., 2600H E Jefferson, Detroit, Mich.

8387—Granulating Machines (Clay)

Abbe Paul O., Inc., 924 Johnston bldg, New York *See adv index at end of book*
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Hadfield-Penfield Steel Co. (The), Bucyrus, Ohio *See adv index at end of book*

8388—Granulating Machines (Coffee)

Bultman F. H. Co., 10271H Berea rd, Cleveland, Ohio
Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.
Robinson H. Mfg. Co., Muncy, Pa.
Sprout Waldron & Co., Muncy, Pa.
See adv index at end of book

8389—Granulating Machines (Sugar)

Christie L. R. Co., 501 Peoples' Bank bldg, Pittsburgh, Pa.
Fulton Iron Works Co., 1259 Delaware av, St. Louis, Mo.
Hauptman & Loeb Co., Ltd., 618 Magazine, New Orleans, La.

8390—Grape Stemmer & Crushing Machines

Hydraulic Press Mfg. Co. ("Mount Gilead"), 24 Lincoln av, Mount Gilead, Ohio *See adv index at end of book*
Klotz Machine Co., Sandusky, Ohio

8390a—Gravel Washing Machinery

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book

8391—Gravity Incline Machines

Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, O.

8391a—Grease Cake Making Machines

Venango Mfg. Co., Franklin, Pa.

8392—Green Pea Cleaning & Grading Machines

Brown & Sharpe Mfg. Co., Dept. H, Providence, R. I.
Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.
Invincible Grain Cleaner Co., Silver Creek, N. Y.
Premier Machinery Co., Oakland, Cal.
Sprague Canning Machinery Co. ("Clipper," "Eureka" & "Monitor"), 222 N Wabash av, Chicago, Ill.

8392a— Grinding Machinery

See also Grinders; also Mills, Grinding; also Paint Grinding & Mixing Machinery; also Pulverizing Machinery

Abrasive Machine Tool Co. ("Abrasive"), East Providence, R. I.
Badger Tool Co., Beloit, Wis.
Bethlehem Steel Co., Bethlehem, Pa.
Blount J. G. Co., Everett, Mass.
BRIDGEPORT SAFETY EMERY WHEEL CO. ("Bridgeport-Safety"), 88 Knowlton, Bridgeport, Conn.
See adv index at end of book
Builders' Iron Foundry ("Builders"), 9 Codding, Providence, R. I.
Cleveland Pneumatic Tool Co. (Pneumatic), 3734 E 78th, Cleveland, O.
See adv index at end of book
Columbia Mfg. Co. ("Crescent"), Belleville, Ill.
Cortland Grinding Wheel Corp. ("Cortland King"), Cortland, N. Y.
Davis Bournonville Co. (Tube), Van Wagner av, Jersey City, N. J.
Detroit Machine Tool Co., 6535 St. Antoine, Detroit, Mich.
See adv index at end of book
Gallmeyer & Livingston Co. ("Valley City" & "Grand Rapids"), Grand Rapids, Mich.
GARDNER MACHINE CO., Thompson st, Beloit, Wis.
See adv index at end of book
Gisholt Machine Co. (Tool, Lathe, Planer, Shaper and Boring Mill, Tool Post, Tool Grinder), 1315 E Washingtn, Madison, Wis.
Heald Machine Co. (Automatic Surface), 16 New Bond, Worcester, Mass.
Lobdell Car Wheel Co. ("Lobdell" Roll), Wilmington, Del.
Marburg Bros., Inc., 90H West, New York
Mitchell Engineering Co., Springfield, Ohio
Mitts & Merrill, 1939 S Water, Saginaw, Mich.
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*
Norton Co. ("Norton"), Worcester, Mass.
St. Louis Machine Tool Co., 922H Loughborough, St. Louis, Mo.
Seeger Machine Tool Co., 34 S Forsyth, Atlanta, Ga.
Van Norman Machine Tool Co. ("Van Norman"), 160 Wilbraham av, Springfield, Mass.
U. S. Electric Mfg. Co., 300 S Central av, Los Angeles, Cal.
WILMARTH & MORMAN CO. (Wilmarth & Morman), 1174 Monroe av, Grand Rapids, Mich.
See adv index at end of book
Wonder Grinder Co., 612 W 12th, Erie, Pa.

8393—Grinding Machines (Ball)

Braun Corp., 363 New High, Los Angeles, Cal.
Greenfield Tap & Die Corp. ("Hydroil" Internal), Greenfield, Mass.
Hanson-Whitney Machine Co., 75 Bartholomew av, Hartford, Conn.

8394-5—Grinding Machines (Burr Cylinder)

Leigh & Butler ("Dronsfield Bros."), 232 Summer, Boston, Mass.

8396—Grinding Machines (Car Wheel)

Hampden Corundum Wheel Co., Brightwood, Springfield, Mass
Norton Co., Barber's Crossing, Worcester, Mass.
Springfield Mfg. Co., Bridgeport, Conn.

8396a—Grinding Machines (Hob & Form Cutters)

Harris H. Engng. Co., Bridgeport, Conn.
Landis Tool Co., Waynesboro, Pa.

8397—Grinding Machines (Nail Die & Springs)

Bridgeport Safety Emery Wheel Co., 88 Knowlton, Bridgeport, Conn.
See adv index at end of book
SLEEPER & HARTLEY, INC., 335 Chandler, Worcester, Mass.
See adv index at end of book

8398-9-400—Grinding Machines (Rail)

Indianapolis Switch & Frog Co., Springfield, Ohio
Kerwin Machine Co. ("Kerwin-Detroit"), Detroit, Mich.

8401—Grinding Machines (Spiral Cutter)

Sloan & Chase Mfg. Co. (Also for Small Milling Cutters), 351 6th av, Newark, N. J.

8402—Grinding & Polishing Machines

See also Lathes, Buffing & Polishing; also Grinders, Various Kinds; also Polishing Machines

BARKER BROS., INC. (Ball Bearing), 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
Billingsley P. L. Co., 427 Elm, Cincinnati, Ohio
Blevney Machine Co. ("Blevney" Hand, Semi-Automatic & Automatic), Greenfield, Mass.
Blount J. G. Co. (Grinding, Polishing & Buffing Machines Combined), Everett, Mass.
BRIDGEPORT SAFETY EMERY WHEEL CO., 88 Knowlton, Bridgeport, Conn.
See adv index at end of book
Brown & Sharpe Mfg. Co., Dept. H, Providence, R. I.
Builders' Iron Foundry ("Builders"), 9 Codding, Providence, R. I.
Cutter & Wood Supply Co., 274 Friend, Boston, Mass.
De Walt R. E. ("Dew-All"), Bridgeton, N. J.
Diamond Machine Co. ("Diamond" Swing Frame), Providence, R. I.
Dopp J. W. Co. (Dealers), 1420 Dime Bank bldg., Detroit, Mich.
Duisdieker Foundry & Mfg. Co., Pekin, Ill.
Dopp J. W. & Co. (Dealers), 18 W Columbia, Detroit, Mich.
Gallmeyer & Livingston Co. ("Valley City" & "Grand Rapids"), Grand Rapids, Mich.
GARDNER MACHINE CO., Thompson st, Beloit, Wis.
See adv index at end of book
Greenlee Bros. & Co., 12th, Rockford, Ill.
Henderson Bros. Co. (Tumbling Barrels, All Kinds), 133 S Leonard, Waterbury, Conn.
Kane & Roach, Syracuse, N. Y.
Kemp Jas. N. Machine Works, Albany, N. Y.
Mitchell Engineering Co., Springfield, Ohio
Myers Machine Co. ("Myers"), Columbia, Pa.
Noble & Westerbrook Mfg. Co., Hartford, Conn.
Perkins Grinder Co., 706 Am. Trust bldg, Cleveland, Ohio
Production Machine Co. ("Production"), Greenfield, Mass.
Roth Bros. & Co. (Electric), 1400 W Adams, Chicago, Ill.
Royersford Foundry & Machine Co., Royersford, Pa.
Safety Emery Wheel Co. (Swing Frame), Springfield, Ohio
Stow Mfg. Co., Inc., Binghamton, N. Y.
See adv index at end of book
Thompson Grinder Co., Springfield, Ohio
U. S. Electric Mfg. Co., 300 S Central av, Los Angeles, Cal.

8403—Grommet Setting Machines

STIMPSON EDWIN B. CO. (Hand, Foot, Automatic), 852 Kent av, Brooklyn, N. Y. *See adv index at end of book*

8404— Grooving Machines

Chase Turbine Mfg. Co. ("Chase's" Automatic), Orange, Mass.
Niagara Machine & Tool Wks., Buffalo, N.Y.

8405— Grubbing Machines

Caward R. S., Cresco, Ia.
Smith Mfg. Co., La Crosse, Wis.

8406— Gum Tape Machines

Metal Specialties Mfg. Co. ("No. 5," "Anchor," 3 Sizes), Dept. H, 338 N Kedzie av, Chicago, Ill.
National Binding Machine Co., 260 West New York
Nuway Package Sealer Corp. ("Nuway"), 1238 San Fernando, Los Angeles, Cal.

8407—Gun Barrel Reaming Machines

Diamond Machine Co. ("Diamond"), Providence, R. I.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book

8408—Gun Barrel Turning Machines

Baush Machine Tool Co., Springfield, Mass.

8409—Gun Powder Machinery

Baker's Sons J & Perkins Co., Inc., White Plains, N. Y.
Devine J. P. Co., Buffalo, N. Y.
Hydraulic Press Mfg. Co., ("H. P. M." Hydraulic), 24 Lincoln av, Mt. Gilead, Ohio *See adv index at end of book*
Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.
Scott Olin (Est. of), Bennington, Vt.

8410— Gun Stock Machinery

Defiance Machine Works (Turning, Shaping & Inleting), Defiance, O.

8411—Gutter Forming Machinery

See also Conductor Pipe & Eave Trough Machinery

Double Truss Cornice Brake Co. ("Electric City"), Buffalo, N. Y.

8412-3— Gypsum Machinery

See also Plaster Mill Machinery

Allis-Chalmers Mfg. Co. (Cement Mill Mach.), Milwaukee, Wis.
See adv index at end of book
American Process Co., 68 William, New York
Butterworth & Lowe, Grand Rapids, Mich.
Ehrsam J. B. & Sons Mfg. Co., Enterprise, Kans.
Manitowoc Engineering Works, Manitowock, Wis.
Sprout Waldron & Co., Muncy, Pa.
See adv index at end of book
Union Engineering Co., Cuyahoga & W 4th, Cleveland, O.

8414— Hack Saw Machines

See also Saw Blades & Frames, Hack

Armstrong-Blum Mfg. Co. ("Marvel"), 337 N Francisco av, Chicago, Ill.
Atkins E. C. & Co. ("Kwik Kut" Power), 402 S Illinois, Indianapolis, Ind.
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
DIAMOND SAW & STAMPING WORKS ("Sterling." Also High Speed), 357 7th, Buffalo, N. Y.
See adv index at end of book
Goodell-Pratt Co., Greenfield, Mass.
Hanna Engineering Wks., 1764 Elston av, Chicago, Ill.
Louisville Elec. Mfg. Co. ("Louisville"), 31st & Magazine, Louisville, Ky.
Marpoe Mfg. & Supply Co. (Improved Portable), 1946-48 Elston av, Chicago, Ill.
Millers Falls Co. (West Haven Plant), ("Millers Falls," "Universal" & "Acme" Power), Dept. H, Millers Falls, Mass.
Myers Machine Tool Corp. ("Myers" Improved Geared), Columbia, Pa.
North Wales Machine Co., Inc. ("North Wales" Geared Power), North Wales, Pa.
Peerless Machine Co. ("Peerless" Power), 1630 Racine, Racine, Wis.
Racine Tool & Machine Co., Racine, Wis.
Ryerson Jos. T. & Son, Inc., 2553 W 16th, Chicago, Ill. *See adv index at end of book*
Simmons Machine Co., Inc., 987 Broadway, Albany, N. Y.
Strong, Carlisle & Hammond Co. (The "Victor" Power), 336 Frankfort av, N W, Cleveland, O.
Thompson H. G. & Son Co. ("Eureka," "Milford"), New Haven, Conn.

8415—Hair Washing Machines

American Machine & Foundry Co., Atlanta, Ga.
Baker G. W. Machine Co., Wilmington, Del.
Turner Tanning Machy. Co. ("Turner"), Peabody, Mass.

8416—Ham Branding Machines

Brecht Co., 1201 Cass av, St. Louis, Mo.

8417—Hand Bending Machines

Busch J. C. Co., 140 Ferry, Milwaukee, Wis.
Hinman D. A. & Co., Sandwich, Ill.
Niagara Machine & Tool Works (Sheet Metal), Buffalo, N. Y.
Rock River Machine Co., Janesville, Wis.

8418—Hand Hole Cutting Machines

Chase Turbine Mfg Co., Orange, Mass.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Rock River Machine Co., Janesville, Wis.

8419—Hand Shearing Machines

Braun J. G., 609 S Paulina, Chicago, Ill.
Dries & Krump Mfg. Co., 2901 S Halsted, Chicago, Ill. *See adv index at end of book*
New Doty Mfg. Co., Janesville, Wis.

8420—Hand Stamp Makers' Machinery

Force W. A. & Co., 535 Pearl, New York

8421-2—Handle Blank Sawing Machines

Klotz Machine Co., Sandusky, O.
Trevor Mfg. Co. (Automatic), Lockport, N. Y.

8423—Handle Polishing Machines

Defiance Machine Works (Automatic), Defiance, Ohio
Klotz Machine Co., Sandusky, O.

8424—Handle Scroll Machines

Klotz Machine Co., Sandusky, O.

8425—Handle Throating Machines

Klotz Machine Co., Sandusky, O.

8426—Handle Tumbling Machines

Trevor Mfg. Co., Lockport, N. Y.

Handle Turning Machinery

See Lathes, Handle Turning

8427— Hardware Machinery

Baird Machine Co. (Piano, Automatic), Stratford av, Bridgeport, Conn.
BLISS CO., E. W. (Sheet Metal), 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Harron, Pickard & McCone (Jobbers), 139 Townsend, San Francisco, Cal.
Herrick & Cowell, New Haven, Conn.
Leffler Chas. & Co. (Sheet Metal), 59 Clymer, Brooklyn, N. Y.

8428— Harness Machinery

Campbell-Bosworth Mach. Co., 205 Lincoln, Boston, Mass.
Champion Shoe Machinery Co., 3727 Forest Park blvd, St. Louis, Mo.
International Harness Machinery Co., 703 Broadway, Cincinnati, O.
Randall J. D. Co., 610 W Court, Cincinnati, O.
Smith F. H. Mfg. Co., 3047 Carroll av, Chicago, Ill.

8429—Harness Riveting Machines

Rock Island Mfg. Co., Rock Island, Ill.
Smith F. H. Mfg. Co., 3047 Carroll av, Chicago, Ill.

8430—Harness Sewing Machines

Bauer Machine Co. (Lock Stitch, Wax Thread), Jeffersonville, Ind.
Campbell-Bosworth Machine Co. (Lock Stitch Wax Thread), 205 Lincoln, Boston, Mass.
Champion Shoe Machinery Co. 3727 Forest Park blvd, St. Louis, Mo.
Davis Sewing Machine Co. ("Davis") Dayton, Ohio
International Harness Machinery Co. (Wax Thread), 703 Broadway, Cincinnati, O.
Landis Mach. Co. (Wax Thread), 25th & Mullanphy, St. Louis, Mo.
Puritan Mfg. Co., 121 Beach, Boston, Mass.
Randall J. D. Co., 610 W Court, Cincinnati, O.

Harvesting Machinery

See Harvesters, Various Kinds

8431— Hatters' Machinery

(Names with * also manufacture Monel Metal)

Almond David, 38 Warren, Newark, N. J.
*Beckley Perforating Co., Garwood, N. J.
Bredow Robt. A., 1318 E 6th, Los Angeles, Cal.
Bulasky L., 43 Bleecker, New York
Clark Wm. C. (Stamping), Dept. H, Franklin, Mass.
*Cleveland Wire Cloth Co., Cleveland, O.
Doran Bros., Danbury, Conn.
Durbrow & Hearne Mfg Co, 12 Wooster, New York
Ermold Edward Co. (The Printing Presses) 656 Hudson, New York
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
*Jelliff Mfg. Corp., C. O., Southport, Conn.
*Magosy & Buscher, 232 Canal, New York
Morlack Machine Works, Danbury, Conn.
*Munning & Co., A. P., Matawan, N. J.
New Machine Co., Danbury, Conn.
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co., John P., New Haven, Conn.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
Turner Machine Co. (Also Hatters' Supplies), Danbury, Conn.
*Tyler Co., W. S., Cleveland, O.

8432— Hay and Grain Unloading Machinery

Myers F. E. & Bro., 950 Orange, Ashland, Ohio
See adv index at end of book

8433—Heading Chipping Machines

Oram John S. Co., 5240 Hamilton av, Cleveland, O.

8434—Heading Jointer & Doweling Machines

Gerlach Peter Co., 1708 Columbus, Cleveland, O.
Oram John S. Co., 5240 Hamilton av, Cleveland, O.

8435—Heading Jointing Machines

Gerlach Peter Co., 1708 Columbus, Cleveland, O.
Rochester Barrel Mach. Works, Rochester, N. Y.

8436—Heading Rounding Machines

Gerlach Peter Co., 1708 Columbus, Cleveland, O.
Oram John S. Co., 5240 Hamilton av, Cleveland, O.

8437—Heading Turning Machines

Gerlach Peter Co., 1708 Columbus, Cleveland, O.
Rochester Barrel Mach. Works, Rochester, N. Y.
Trevor Mfg. Co., Lockport, N. Y.

8438—Heading, Upsetting & Forging Machines (Combined)

Ajax Mfg. Co., 3830 Lakeside, Cleveland, Ohio
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book

8439—Heading & Shingle Sawing Machines

Gerlach Peter Co., 1708 Columbus, Cleveland, O.
Ireland Machine & Foundry Co., Inc., Norwich, N. Y.
Oram John S. Co., 5240 Hamilton av, Cleveland, O
Rochester Barrel Machine Works (Pendulous), Rochester, N. Y.
Sumner Iron Wks., Everett, Wash.
Taylor Iron Works & Supply Co., 1014 Broadway, Macon, Ga.
Trevor Mfg. Co., Lockport, N. Y.

8440— Heating Machines

See also Furnaces, Annealing & Case Hardening

American Gas Furnace Co. (For Hardening Annealing, Etc.), Spring & Lafayette, Elizabeth, N. J.
Otis Boiler Co. Inc., 335 W 1st, Oswego, N. Y.

8441—Heel Building Machines

Alsop Process Co., 600 S 6th, St. Louis, Mo.
Goodspeed Machine Co. (Wood), Winchendon, Mass.
United Shoe Machinery Co. ("Boss"), 205 Lincoln, Boston, Mass.

8442—Hide Stamping Machines

Slocomb F. F. & Co., 14th & Poplar, Wilmington, Del.

8443—Hide & Leather Working Machinery

Associated Tanners' Machinery Co., 424 Essex, Salem, Mass.
Baker G. W. Machine Co., Wilmington, Del.
Boyle John & Co. (Shaving Macine), Peabody, Mass.
Evans' John Sons, 506 N 13th, Phila., Pa.
Hemingway Machine Co., Lynn, Mass.
Hide & Leather Wrkg. Machine Co. (Tanning & Currying Machines, Unhairing Machines, Parts, Tools, etc.), 4215 Meinecke av, Milwaukee, Wis.
Holmes Chas. Leather Working Machinery Co., Cambridge, Mass.
Hutchinson Leather Machine Co., Winchester, Mass.
Knowlton M. D. & Co., 26 Elizabeth, Rochester, N. Y.
Layman A. C. Machine Co., Wilmington, Del.
Loy & Newrath Co., 35 Runyon, Newark, N. J.
Munkwitz Edw. H. Co., 159 Muskego av, Milwaukee, Wis.
Newark Leather Machine Co., 153 Frelinguysen av, Newark, N. J.

Slocomb F. F. & Co. (Staking & Glazing Machines, etc), 14th & Poplar, Wilmington, Del.
Stehling Chas. H. Co., 401 4th, Milwaukee, Wis.
Turner Tanning Machinery Co. ("Turner"), Peabody, Mass.
Whitney Machine Co., 667 Main, Winchester, Mass.
Woburn Machine Co., Woburn, Mass.

8444—Hinge & Butt Machinery

Baird Machine Co. (Semi-Automatic & Automatic), Stratford av, Bridgeport, Conn.
Ferracute Machine Co., Bridgeton, N. J.
Medart Co., The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Waterbury Farrel Foundry & Machine Co., **Waterbury, Conn.**

Hod Hoisting Machines

See Elevators, Hod

8445—Hoe Rolling Machines

Birmingham Iron Foundry, Derby, Conn.

8446—Hog & Beef Casing Cleaning Machines

Allbright-Nell Co., 5315 Western av, Chicago, Ill.

Hogshead Trussing Machines

See Barrel Trussing Machines

8447— Hoisting Machinery

See also Cranes; also Derricks; also Engines, Hoisting; also Hoists of Various Kinds
Cleveland Crane & Engineering Co., Dept. H, Wickliffe, O.
Clyde Iron Works Sales Co. (Electric), Duluth, Minn. *See adv index at end of book*
Clover Leaf Machine Co., So. Bend, Ind.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Garfield & Co., 1323 Hearst bldg, San Francisco, Cal.
Harnischfeger Corp., Milwaukee, Wis.
See adv index at end of book
Horton John T., 242 Broadhurst, New York
Interstate Bridge Forge & Mfg. Co., 721 Broad, Newark, N. J.
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
Link-Belt Company, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Louden Machinery Co., Fairfield, Iowa.
Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book
Myrick Machine Co., 3 to 10 H. P. Aircooled), Olean, N. Y.
Yale & Towne Mfg. Co., Dept. H, Stamford, Conn.

8448-9—*Hoisting Machinery (Pneumatic & Electric)

Allis-Chalmers Mfg. Co. (Electric), Milwaukee, Wis.
See adv index at end of book
DETROIT HOIST & MACHINE CO., Detroit, Mich. *See adv index at end of book*

HOISTING MACHINERY
Pneumatic & Electric
DETROIT HOIST & MACHINE CO.
DETROIT, MICH.

Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

Hollow Building Block Machinery

See Clay Building Block Machinery; also Concrete Building Block Machinery

8450—Hollow Chisel Mortising Machines

Defiance Machine Works, Defiance, O.
Fay J. A. & Egan Co. (Vertical), Cincinnati, O.
Wysong & Miles Co., Greenboro, N. C.

8451— Hominy Machinery

Sprague-Sells Corp., 508 N Dearborn, Chicago, Ill.

8452—Honey Comb Foundation Machines

Root A. I. Co., Medina, O.

8453—Hook Bending Machines

BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book

8454—Hook & Eye Machinery

Baird Machine Co. (Automatic), Stratford av, Bridgeport, Conn.
Kilmer M. D. & Co. (Eye Forming Machines), 6003 Quinby av, Cleveland, O.
See adv index at end of book
Manville E. J. Mach. Co., Waterbury, Conn.
Nilson A. H. Machine Co. (Automatic), 55 William, Bridgeport, Conn.
Special Machinery Co. (Automatic), 38 Remer, Bridgeport, Conn.

8455—Hook & Eyelet Setting Machines

Smith F. H. Mfg. Co. ("Universal" Hand & Foot Power), 3047 Carroll av, Chicago, Ill.

Hoop Driving Machines

See Barrel Hoop Driving Machines

8456—Hoop Flaring, Punching & Shearing Machines

Glader Wm. ("Glader's" for Heavy Work), 210 N Ann, Chicago, Ill
Oram John S. Co., 5240 Hamilton av, Cleveland, O.
Rock River Machine Co., Janesville, Wis.

8457— Hoop Machinery

See also Barrel Machinery
Defiance Machine Works, Defiance, O.
Rochester Barrel Machine Works (Hoop, Cutters, etc.), Rochester, N. Y.
Stevens Macine Shops (Shavers, etc.), Winooski, Vt.
Yoder Co., 5570H Walworth, Cleveland, O.

8458—Hoop Nailing Machines

Holmes E. & B. Machinery Co., 59 Chicago, Buffalo, N. Y.

8459—Hoop Punching Machines

Glader Wm. ("Glader's" Automatic), 210 N Ann, Chicago, Ill.
Oram John S. Co., 5240 Hamilton av, Cleveland, O.
Rock River Machine Co., Janesville, Wis.

8460—Hoop Riveting Machines

Glader Wm., 210 N Ann, Chicago, Ill.
Oram John S. Co., 5240 Hamilton av, Cleveland, O.
Rock River Machine Co., Janesville, Wis.

8461—Hoop Stapling Machines

Holmes E. & B. Machinery Co., 59 Chicago, Buffalo, N. Y.
St. Joseph Iron Works, St. Joseph, Mich.

8462—Horn Working Machinery

Standard Tool Co., 300 Whitney, Leominster, Mass.

8463—Horse Clipping Machines

See also Clippers, Horse; also Sheep Shearing Machines
American Shearer Mfg. Co. ("Priest's), Nashua, N. H.
CHICAGO FLEXIBLE SHAFT CO. ("Stewart" Ball Bearing), 1150 S Central av, Chicago, Ill.
See adv index at end of book
Coates Clipper Mfg. Co. ("Coates" Flexible Shaft, Electric & Hand Power), 287 Chandler, Worcester, Mass.
Gillette Clipping Machine Co., 129 W 31st, New York
Packer & Sons, La Grange, Ill.
Taber Pump Co., 291 Elm, Buffalo, N. Y.

8464-5—Horse Collar Machinery

See also Harness Machinery
Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.
Randall J. D. Co., 610 W Court, Cincinnati, O.

8466— Horseshoe Machinery

BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Remington Machine Co., 411 E Front, Wilmington, Del.

8467—Hose Machines (Rubber Mill)

Adamson Machine Co., Akron, O.
Birmingham Iron Foundry, ("Birmingham"), Derby, Conn.
Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn.
See adv index at end of book
New England Butt Co., 304 Pearl, Providence, R. I.

8468—Hot Forge Nut Machines

National Machinery Co., Tiffin, O.

8469—Hot Rolled Stock Straightening & Cutting Machinery (Automatic)

Kane & Roach, Syracuse, N. Y.
SHUSTER F. B. CO., Cedar Hills, New Haven, Conn. *See adv index at end of book*

8470-1—Hot Sawing Machines

See also Cold Saw Cutting-Off Machines
Ajax Mfg. Co., 3830 Lakeside av, Cleveland, O.
American Saw Works, Hackettstown, N. Y.
Billings & Spencer Co. ("B. & S."), Hartford, Conn.
Espen-Lucas Machine Works (High Speed, etc), Girard av & Front, Phila., Pa.
Lippert E. T. Saw Co. (Blades), 200H Lincoln av, Pittsburgh, Pa.
Mackintosh-Hemphill Co. (Horizontal for Rolling Mill, etc.), 12th & Etna, Pittsburgh, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
National Roll & Foundry Co., Avonmore, Pa.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
United Engineering & Foundry Co. (Sliding, Swinging & Stationary Saw for Rolling Mills), Farmers Bk. bldg, Pittsburgh, Pa.

8472—Hub Mortising & Boring Machines

Defiance Machine Works (Plain & Hollow Chisel), Defiance, O.

8473—Hub, Spoke & Rim Machinery

Defiance Machine Works, Defiance, O.
Empire Machine Works (Spoke Only), Mt. Morris, N. Y.
Fay J. A. & Egan Co., Cincinnati, O.
Kane & Roach (Boring), Syracuse, N. Y.
Ober Mfg. Co. (Spoke), Chagrin Falls, O.
Smith Phillip Mfg. Co., Sidney, O.
Stearns E. C. & Co., 450 Oneida, Syracuse, N. Y.

8474—Hulling Machines (Buckwheat)

Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.

Hydrating Machines

See Lime Hydrating Machinery

8474a—Hydraulic Machinery

See also Accumulators, Hydraulic; Cranes, Hydraulic; Dredging Machinery, Hydraulic; Gauges, Hydraulic; Hydraulic Rams; Jacks, Hydraulic; Lifts, Hydraulic; Presses, Hydraulic, Various Kinds; Pumps, Hydraulic; Punches, Hydraulic; Riveting Machines, Hydraulic; Etc.
Bethlehem Steel Co., Bethlehem, Pa.
Carver Fred S., 3H W 40th, New York
Chambersburg Eng. Co., Chambersburg, Pa.
DU PONT ENGINEERING CO., Wilmington Shops, Wilmington, Del.
See adv index at end of book
Elmes Chas. F. Engng. Wks., Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Garratt W. T. & Co., 299 Tremont, San Francisco, Cal.
Hennebohle Frank, 31st & So Chicago av, So Chicago, Ill.
Hydraulic Pipe Co., 2516 5th, Berkeley, Cal.
HYDRAULIC PRESS MFG. CO., ("H. P. M."), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book
Oilgear Co., 406 38th, Milwaukee, Wis.
SOUTHWARK FOUNDRY & MACHINE CO., 1123 S 4th, Phila., Pa.
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Villa, Vicente B. & Co., 165 B'way, New Pitsburgh, Pa.

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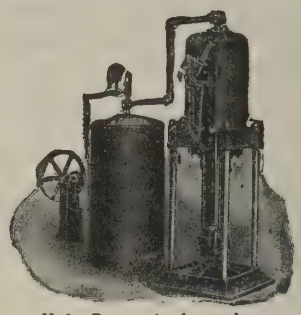
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Premier Machinery Co., Oakland, Cal.

8476—Ice Cream Cone & Biscuit Machines

Alexander & Cox Co., 2358 Ogden, Chicago, Ill.
Cream Cone Mach. Co., 5800 Hough av, Cleveland, O.
Eng-Skell Co., 208H Mission, San Francisco, Cal.
Premier Machinery Co., Oakland, Cal.
Sharp L. C. Mfg. Co. (Hydraulic Cone), Plattsmouth, Neb.
Union Machine Works & Iron Foundry, 1821 S Water, Phila, Pa.

8477— Ice Cream Machines

See also Freezers, Ice Cream

Allman Gas Engine & Machine Co. ("Champion"; also Ice Cream Machine & Ice Breaker Combined), 461 Canal, New York
Davis-Watkins Dairymen's Mfg. Co. (& Equipment), N Chicago, Ill.
Premier Machinery Co., Oakland, Cal.

8478—Ice Crushing Machines

Creamery Package Mfg. Co., 61 W Kinzie, Chicago, Ill.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

8479—Ice Cube Cutting Machines

Blakeslee G. S. & Co. ("Blakeslee"), W 19th & S 52nd av, Cicero, Ill.
Reinhold Mfg. Co. ("Jumbo," "Gem"), 693 E Palmer, Detroit, Mich.
Schwenker W. M., 342 E 92d, New York

8480— Ice Cutting Machines

Arctic Ice Machine Co., Canton, O.
Jennings C. E. & Co. ("Chandler's"), 71 Murray, New York

Ice Elevating Machinery

See Ice Handling Machinery

8481—Ice Handling Machinery

Bailey-Burruss Mfg. Co., Atlanta, Ga.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Cleveland Crane & Engineering Co., Dept. H, Wickliffe, O.
Creamery Package Mfg. Co., 61 W Kinzie, Chicago, Ill.
Curtis & Co. Mfg. Co., 1571 Kienlen av, St. Louis, Mo.
Detroit Hoist & Machine Co., Detroit, Mich.
See adv index at end of book
Dow Co., (Hauling & Lowering), 201H N Buchanon, Louisville, Ky.
Euclid Crane & Hoist Co. (Ice Handling Cranes), Euclid, Ohio
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GIFFORD-WOOD CO., Hudson, N. Y.
Grote F. Mfg. Co. (Hoists), 120 3rd av, Evansville, Ind.
Harnischfeger Corp., Milwaukee, Wis.
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JEFFREY MFG. CO., 961 N Fourth, Columbus, O.
See adv index at end of book
LINK-BELT CO. (Ice Runs, Ice Chains), 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Northwestern Copper & Brass Works, 59 W 3d, St. Paul, Minn.
Premier Machinery Co., Oakland, Cal.
Schultz A. L. & Son (For Ice Harvesting), 1675 Elston av, Chicago, Ill.
Standard Conveyor Co., N St. Paul, Minn.
See adv index at end of book
Triumph Ice Machine Co. (Air, Hand & Electric), Dept. H, Oakley, Cincinnati, Ohio
Van Emon B. C., Inc., Elevators, 235 1st, San Francisco, Cal.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

8482—Ice Machines (Family)

AUDIFFREN REFRIGERATING MACHINE CO., 2211 West St. bldg, New York *See adv index at end of book*
Bell Ice Machine & Refrigerator Co., 1032 E Alder, Portland, Ore.
Norwalk Iron Works Co. ("Norwalk"), Dept. H, South Norwalk, Conn.
Shipley Const. & Supply Co., ft of Warren, Brooklyn, N. Y.

8483—Ice Machines (Portable)

Armstrong Machinery Co., E 3201 Riverside av, Spokane, Wash.
See adv index at end of book
Audiffren Refrig. Machine Co. ("Audiffren"), 2211 West St. bldg, New York
See adv index at end of book
Baker Ice Machine Co., Omaha, Neb.
Bell Ice Machine & Refrigerator, 1032 E Alder, Portland, Ore.
Brunswick Refrigerating Co., New Brunswick, N. J.
Coast Iron Machine Works ("Leakless"), 1117 Dock, Tacoma, Wash.
Ever Kold Co., Rialto bldg, San Francisco, Cal.
Fisher Machine Works Co., Leavenworth, Kans.
Norwalk Iron Works Co. ("Norwalk"), Dept. H, South Norwalk, Conn.
Shipley Const. & Supply Co., ft of Warren, Brooklyn, N. Y.
United Iron Works, Inc., Kansas City, Mo.
York Mfg. Co., York, Pa.

8484—Ice Recording Machines

Stevenson Cold Storage Door Co., Chester, Pa.

8485—Ice & Refrigerating Machines

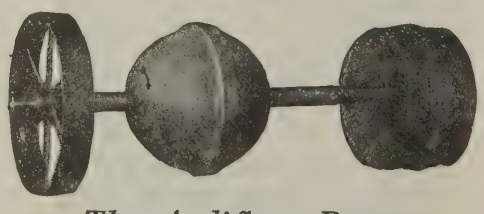
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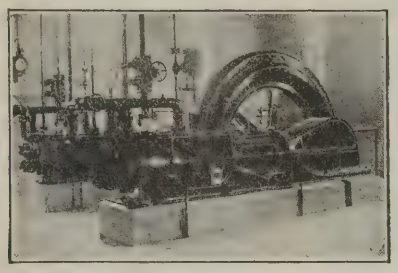
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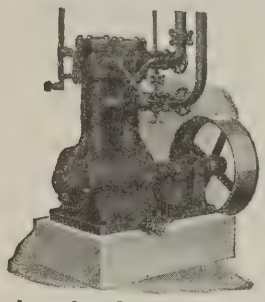
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Born H. A. Co., Inc., 326 River, Chicago, Ill.

Bouchard Jno. & Sons Co., 1024 Harrison, Nashville, Tenn.

Brecht Co., 1201 Cass av, St. Louis, Mo.

Brunswick Refrigerating Co., New Brunswick, N. J.

Buffalo Refrigerating Mach. Co., 39 S Lafayette, Brooklyn, N. Y.

California Casing Co., 853 Mission, San Francisco, Cal.

California Pump & Machine Corp., 2668 Long Beach av, Los Angeles, Cal.

California Refrigeration Mfg. Co. ("Zero-Air"), 2009 San Fernando rd, Los Angeles, Cal.

Carbondale Mach. Co. (Absorption & Compression), Carbondale, Pa.

Climax Engng. Co., Clinton, Iowa

Clinton Ice Machine Co., Clinton, Iowa.

Coast Iron Machine Works ("Leakless"), 1117 Dock, Tacoma, Wash.

Columbus Iron Works (Absorption System), Columbus, Ga.

Copeland Products, Inc., Flint, Mich.

Creamery Package Mfg. Co. ("Creamery Package"), 61 W Kinzie, Chicago, Ill.

Cyclops Iron Works, 837 Folsom, San Francisco, Cal.

Davis-Watkins Dairymen's Mfg. Co., North Chicago, Ill.

Delco Light Co. Div., General Motors Co. ("Frigidaire"), Dayton, O.

De La Vergne Machine Co. ("De La Vergne"), 2101H E 138th, New York

Economy Ice Machine Co., 1018 Tacoma av, Tacoma, Wash.

Electro-Kold Corp. (Family), 157 S Post, Spokane, Wash.

Ever-Kold Co., Rialto bldg, San Francisco, Cal.

Fisher Machine Works Co. (¼ to 60 Tons), Leavenworth, Kans.

Frick Co. ("Frick"), Waynesboro, Pa.

Gay Engineering Corp., 2650 Sante Fe av, Los Angeles, Cal.

Graver Corp., 4020 Todd av, E Chicago, Ind.
See adv index at end of book

Great Lakes Engineering Works, Real Estate Exch. bldg, Detroit, Mich.

Hallam F. W. & Co., 80 Stanhope, Brooklyn, N. Y.

Harris Ice Machine Works, 174 E Water, Portland, Ore.

Ice & Cold Machine Co., 3003 N Broadway, St. Louis, Mo.

Isko Co., 2525 Clybourn av, Chicago, Ill.

Jarvis Engineering Co., 51 Ellery, Boston, Mass.

Jarvis T. P. Mfg. Co., 275 Connecticut, San Francisco, Cal.

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Kelvinator Corp. ("Kelvinator"), 621 W Fort, Detroit, Mich.

Kroesschell Bros. Ice Machine Co., 472 W Erie, Chicago, Ill.

Lipman Refrigerator Car & Mfg. Co., Beloit, Wis.

McClellan Refrigerating Mach. Co., 1150 S Washtenaw, Chicago, Ill.

McDonald, G. R., Berkeley, Cal.

McIntosh Ice Machine Co., 548 Thurman, Portland, Ore.

Macdonald Engineering Co., 53 W Jackson blvd, Chicago, Ill.

Midwest Engineering & Equipment Co., 617 Fulton, Chicago, Ill.

Myer-Moran Co. (¾ to 1 ton low cost machines), 522-24 East, Baltimore, Md.
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National Machine Co., 636 National av, Milwaukee, Wis.

Niebling F. W. Co., 406 Elm, Cincinnati, O.

Norwalk Iron Works Co. ("Norwalk"), Dept. H, South Norwalk, Conn.

Ott Geo. F., 209 Buttonwood, Phila., Pa.

Peerless Ice Machine Co., 503 S Jefferson, Chicago, Ill.

Pa. Engngn. Co., 1119H N Howard, Phila., Pa.

Poole Engineering & Machine Co., H, Woodbury Sta., Baltimore, Md.

Rebsamen & Almeroth, 2324 Elston av, Chicago, Ill.

Remington Machine Co., 411 E Front, Wilmington, Del.

Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.

Schwenker W. M., 342 E 92d, New York

Shipley Const. & Supply Co., ft of Warren, Brooklyn, N. Y.

Southern Ice Machine Co. (1 to 6 ton), Charlotte, N. C.

Steele & Condict, 74 Pearl, Jersey City, N. J.

Stevens Will P., 1630 Long Beach av, Los Angeles, Cal.

Straub Mfg. Co., 5th & Chestnut, Oakland, Cal.

Thermex Co., The, Dennison & King, Oakland, Cal.

Toledo Coldmaker Co. ("Toledo Electric Coldmaker"), 1690 Fernwood av, Toledo, O.

Triumph Elec. Co. ("20th Century & Tangye" Distilled, Raw Water), H, Oakley, Cincinnati, Ohio

United Iron Works, Oakland, Cal.

United Iron Works, Inc. (¼ to 50 Tons per Day), Kansas City, Mo.

Vaughan Motor Works, 475 E Main, Portland, Ore.

Van Zand Iron Works, Fort Worth, Tex.

Vesterdahl Karl & Co., 90 West, New York

VILTER MFG. CO., 1046 Clinton, Milwaukee, Wis. *See adv index at end of book*

Vogt Brothers Mfg. Co., Inc., Louisville, Ky.

Vogt Henry Machine Co., Louisville, Ky.

Vulcan Iron Works, 1849 Kearny, San Francisco, Cal.

Wallace Engine Co. ("Greenland"), Suite 506, Educational bldg, New York

(Continued on following page)

Ice & Refrigerating Machines—Cont.

Webster Mfg. Co. ("Economic"), 1230 San Fernando rd, Los Angeles, Cal.
Wegner Machine Co., 78 Main, Buffalo, N. Y.
West Coast Gas Eng. Co., 321 W Market, San Diego, Cal.
Western Butchers' Supply Co. ("United"), 156 4th, San Francisco, Cal.
Westinghouse Machine Co. ("Westinghouse-Leblanc" For Marine Works), E Pittsburgh, Pa.
Wolf, Sayer & Heller, Fulton & Peoria, Chicago, Ill.
X. L. Refrigerating Co., 1834 W 59th, Chicago, Ill.
Yale Mfg. Co., 229 Minna, San Francisco, Cal.
York Mfg. Co., (Refrigerator Mfrs), York, Pa.
Young Ice & Machine Mfg. Co., E 11th, Minneapolis, Tacoma, Wash.

8486—Incandescent Lamp Making Machinery

Beach-Russ Co., 38 Church, New York
See adv index at end of book
Dwyer Machine Co., Lynn, Mass.
General Engineering & Supply Co., 160 5th av, Mohawk bldg, New York City
Hygrade Engng. Co., 391 Mulberry, Newark, N. J.
York Electric & Machine Co., York, Pa.

8487— Incline Machinery

Stine S. B., Osceloa Mills, Pa.

Ink Grinding Machines

See Mills, Ink Grinding

Insulating Machinery

See Wire & Cable Insulating Machinery

8488—Insulator Pin, Bracket & Cross Arm Machinery

Defiance Machine Works, Defiance, O.
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
Premier Machinery Co., Oakland, Cal.
Wheland Co., W Side & 27th, Chattanooga, Tenn.

8489— Ironing Machines

Adams Laundry Machinery Co. (Steam or Gas "Monarch," "Rex," "Style A"), Troy, N. Y.
Domestic Laundry Equipment Corp. ("Domestic," "Simplex"), 224 W 26th, New York
Hoe Corp. ("Hoe" Electric), Poughkeepsie, N. Y.
Nineteen Hundred Washer Co. ("Nineteen Hundred" Electric), 215 Clinton, Binghamton, N. Y.
Quaker Mfg. Co. ("Quaker Maid"), 140 N Dearborn, Chicago, Ill.
Mass.
Twiner Tanning Machinery Co. ("Twiner," Horizontal for Leather), Peabody,

8490-1—Ironing Machines (Household)

Amer. Wringer Co., 91 Social, Woonsocket, R. I.
Apex Electrical Mfg. Co. ("Rotarex" Electric), 1067 E 152nd, Cleveland, Ohio
Asher Mfg. Co. (Flat Work & Body Clothes Ironers), Irvington, N. J.
Bergbam & Roberg, 218 N Jefferson, Chicago, Ill.
Chicago Dryer Co. ("Chicago"), 2210 N Crawford Ave., Chicago, Ill.
Domestic Laundry Equipment Corp. ("Domestic," "Simplex"), 224 W 26th, New York
Horton Mfg. Co. ("Horton" Elec. Power-Gas Heat), Ft. Wayne, Ind.
Hurley Machine Co. ("Thor" Electric), Cicero, Ill.
Johnson Washer Co. ("Common Sense"), 40th & Adeline, Oakland, Cal.

Irrigating Machinery

See Pumps, Irrigating

Jar Ring Machines

See Lathes, Jar Ring

Jarring Machines

See Molding Machines, Foundry

8492— Jewelers' Machinery

American Tool & Machine Co. (Centrifugal Dryers for Small Pieces that **have been Coated, Dipped, Japanned,** Painted, Plated or Washed), 16 High, Boston, Mass.
Buffalo Machine Mfg. Co., 1354 West av, Buffalo, N. Y.
Dixon Wm. (All Kinds), 119 Fulton, New York
Gesswein F. W. Co., 16 W 45th, New York
Hardinge Bros., Inc., 1770 Berteau av, Chicago, Ill.
Leiman Bros., 60-62 Lispenard, New York
Moseley Lathe Co., Elgin, Ill.
Ruesch H. J. Machine Co., 407 Mulberry, Newark, N. J.
Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.
Standard Machinery Co., Providence, R. I.
Thurston Mfg. Co. ("Thurco"), 140 Benedict, Providence, R. I.
Wisconsin Electric Co. ("Dumore" Lathe **Motors, Electric), 1602 Junction av,** Racine, Wis.
Worthington & Raymond ("Optimus" "W & R" Jobbers), 71 Murray, New York

8493—Jewelers' & Opticians' Machines & Tools

Abbe Paul O. Inc., 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
American Optical Co., Southbridge, Mass.
Bausch & Lomb Optical Co. (Opticians Only), Rochester, N. Y.
Dixon Wm., 119 Fulton, New York
General Optical Co., 506 E 42nd, New York
Langelier Mfg. Co., Arlington, Providence, R. I.
Norden S. & Co., 150 S Water, Providence, R. I.
Reisner W. H. Mfg. Co., Hagerstown, Md.
Sloan & Chase Mfg. Co., 351 6th av, **Newark, N. J.**
Thurston Mfg. Co. ("Thurco"), 140 Benedict, Providence, R. I.
Wisconsin Electric Co. ("Dumore" Electric), 1602 Junction av., Racine, Wis.
Worthington & Raymond, ("Optimus," "W & R" Jobbers), 71 Murray, New York

8494—Joggling Machines for Shipyards

Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Morgan Engineering Co. (Elec. with Hand Crane), Alliance, O.

8495—Joggling Machines (Plate)

Consolidated Machine Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
QUICKWORK CO. (also cut square & beveled edges), St. Marys, Ohio
See adv index at end of book
Southwark Fdry. & Mach. Co., 1128 S 4th, Phila., Pa.
See adv index at end of book

8496—Joint Wiping Machines

United Brass Mfg. Co., 3844 Hamilton av, Cleveland, O.

8497— Jointing Machines

Bicknell Mfg. & Supply Co. (With Extended Arbor for Attachments), Janesville, Wis.
CRESCENT MACHINE CO., THE (Wood), 512 Oak, Leetonia, O.
See adv index at end of book
Edwards W. W. (Bench), 716 N Main, Los Angeles, Cal.
Gallmeyer & Livingston Co. ("Valley City" & "Union"), Grand Rapids, Mich.
Jones Superior Machine Co. (Hand, etc), 1264 W. North av, Chicago, Ill.
Kane & Roach (Wood), Syracuse, N. Y.
Myers Machine Co. (Wood), Sheboygan, Wis.
Porter C. O. Machinery Co., 666 Front av, Grand Rapids, Mich.
Shimer Sam'l J. & Sons, Milton, Pa.
Silver Mfg. Co., Box 256 (Power), Salem, Ohio
Smith & Phillips Mfg. Co. (Edge Jointing & Shaping), 30 N Jefferson, Chicago, Ill.
Yates P. B. Machine Co., Beloit, Wis.

8498-9-500—Jointing Machines (Cutter, Head)

Hanna Engineering Wks., 1764 Elston av, Chicago, Ill.
Shimer Samuel J. & Sons, Milton, Pa.

Jolt Molding Machines

See Molding Machines

8501—Keel Plate Bending Machines (Hydraulic)

Morgan Engineering Co., Alliance, Ohio
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book
Williams White & Co., 301 8th, Moline, Ill.
WOOD R. D. & CO., 400 Chestnut, Phila., Pa.

Keg Machinery

See Barrel, Keg, Stave & Heading Machinery

8502—Keg Scrubbing Machines

Burton Engng. & Machinery Co., Spring Grove av., Cincinnati, O.
Kaestner & Hecht Co., 500 Throop, Chicago, Ill.
Olsen & Tilgner Mfg. Co., 2280 Elston av, Chicago, Ill.
Zoller Chas. Co., 205 Prince, New York

Keg Washing Machines

See Barrel Washing Machines

8503— Key Cutting Machines

Corbin Cabinet Lock Co. ("Corbin" Automatic Duplicating), New Britain, Conn.
Harrison & Co. ("Harrison, M. I. P." for Keys), 209 Center, New York

8504— Key-Seating Machines

Bilton Machine Tool Co. ("Bilton" Automatic), 990 Housatonic av, Bridgeport, Conn.
Bucher-Smith Co., E. Liverpool, O.
Burr John T. & Son, 429 Kent av, Brooklyn, N. Y.
Chattanooga Machy Co., Belmont & Watkins, Chattanooga, Tenn.
Detroit Reamer & Tool Co., 302 Congress, Detroit, Mich.
Hercules Machinery Co. ("Hercules"), 446 E Woodbridge, Detroit, Mich.
Mercury Machine Co. ("Lake," Portable), 2127 N Broad, Phila., Pa.
MITTS & MERRILL ("Giant"), 1939 So Water, Saginaw, Mich.
Morton Mfg. Co. (Stationary & Portable Key Way Cutters), Muskegon, Mich.
National Machine Tool Co. ("Miller," "National"), 2270 Spring Grove, Cincinnati, O.
National Tool Co., Cleveland, O.
See adv index at end of book
Niles-Bement-Pond Co., 111 B'way, New York. *See adv index at end of book*
Pawtucket Mfg. Co. ("Knowles"), Pawtucket, R. I.
Ryerson Jos. T. & Son, Inc. (Portable Automatic), 2558 W 16th, Chicago, Ill.
See adv index at end of book
Seeger Machine Tool Co., 34 S Forsyth, Atlanta, Ga.
Stephens-Adamson Mfg. Co. ("S-A" Stationery), Aurora, Ill.
Union Twist Drill Co. ("Woodruff," Keyway Cutters), Athol, Mass.
Wheland Co. ("Catlin"), W Side & 27th, Chattanooga, Tenn.
Whitney Mfg. Co. ("Whitney" Adopted For Woodruff System), Hartford,

8505—Kindling Wood Machinery

See also Sawing & Splitting Machinery

American Sawmill Machinery Co., Hackettstown, N. J.
Badger Gas & Gasoline Engine Co., Kansas City, Kans.
Duplex Mfg. Co., Superior, Wis.
Fay J. A. & Egan Co., Cincinnati, O.
Hildreth Bros. (Splitting), Harvard, Mass.

8506—Kneading & Mixing Machines

Abbe Paul O. Inc., 71A Murray, New York
See adv index at end of book
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Day J. H. Co., Cincinnati, O.
East Iron & Machine Co., Dept. H, Lima, Ohio
Joseph S. Co., Inc. ("Laurica"), 23 E 22nd, New York
NATIONAL ENGINEERING CO., 549 W Washington blvd, Chicago, Ill.
Ross Chas. & Son Co. (For Putty, Dough & Rubber, etc), 148 Classon av, Brooklyn, N. Y.

8507—Knife Balancing Machinery

Fay J. A. & Egan Co., Cincinnati, O.
Yates P. B. Machine Co., Beloit, Wis.

8508-9—Knife Polishing & Buffing Machines

Automatic Buffing Machine Co. (Automatic), 56 Indiana, Buffalo, N. Y.
Blakeslee G. S. & Co. ("Blakeslee"), W 19th & S 52nd av, Cicero, Ill.
Clizbe Bros. Mfg. Co., Plymouth, Ind.

Knitting Machinery

See Textile Machinery; for page number consult Index of Contents

Kraut Cutting Machines

See Cutters, Kraut

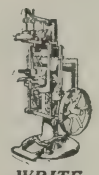
8510—Label Varnishing Machines

United States Finishing & Mfg. Co., 216 N Clinton, Chicago, Ill.

8511— Labeling Machines

Anderson E. D. (Inc.), **101 Park av,** New York
Beck Chas. Machine Co., 607 Chestnut, Phila., Pa.

Burt Mach. Co. (Round Containers Only), 403 E Oliver, Baltimore, Md.
Continental Mfg. Co. ("Continental"), 4611 Girard, Phila., Pa.
ECONOMIC MACHINERY CO. ("World"), 10 Grafton, Worcester, Mass.
See adv index at end of book

FOR
LABELING MACHINES

WRITE
ECONOMIC MACHINERY CO.
LABELER DEPARTMENT
WORCESTER, MASSACHUSETTS

Ermold Edw. Co. (Bottle), 656 Hudson, New York
Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.
Mohan & Co., Inc., 44 E 23rd, New York
Morral Bros. ("Morral" Can, etc), Morral, Ohio.
National Labeling Machine Co., 342 Vernon av, Long Island City, N. Y.
New Jersey Mach Corp., Hoboken, N. J.
Peters Machinery Co., 4700 Ravenswood av, Chicago, Ill.
Premier Machinery Co., Oakland, Cal.
Robins A. K. & Co. ("Hammond Can"), 116 Market pl, Baltimore, Md.
Sprague Canning Machinery Co., 222 N Wabash av, Chicago, Ill.
Standard Automatic Machine Co. (For Boxes, Bottles, Cans, Tubes, etc), Rochester, N. Y.
U. S. Bottlers' Machinery Co. ("Ernold," "U. S."), 4015 N Rockwell, Chicago, Ill.

8512—Laboratory Machinery

Abbe, Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Braun Corp ("K. K." Flotation), 363 New High, Los Angeles, Cal.
Bethlehem Steel Co., Bethlehem, Pa.
Colton Arthur Co., 2600H E Jefferson, Detroit, Mich.
Day J. H. Co., Cincinnati, O.
Hall A. M. Co., 2453 Columbia av, Indianapolis, Ind.
Patterson Foundry & Machine Co., East Liverpool, O.
Sturtevant Mill Co. (Crushers, Grindstones, etc), Clayton & Park, Dorchester, Mass.

8513— Lacquering Machines

See also Can Lacquering Machine

Barker Bros. Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
Ohl Geo. A. & Co. (For Tin, Metal & Cardboard, etc.), 159 Oration, Newark, N. J.

8514—Lag Screw Threading Machines

Landis Machine Co., Waynesboro, Pa.

8515—Lamp Burner Machinery

Baird Machine Co. (Automatic), Stratford av, Bridgeport, Conn.
Nilson A. H. Machine Co. (Automatic), 55 William, Bridgeport, Conn.

8516—*Land Clearing Machinery

Clyde Iron Works Sales Co., Duluth, Minn.
See adv index at end of book

8517— Lapping Machines

See also Textile Machinery

Builders' Iron Foundry ("Builders"), 9 Codding, Providence, R. I.
LeBlond R. K. Mach. Tool Co., Cincinnati, Ohio
Mitts & Merrill (For Band Saws), 1939 S Water, Saginaw, Mich.
Oliver Instrument Co. (With Filing & Sawing Attachments), Adrain, Mich.
R. I. Braiding Machine Co., 228 Aborn, Providence, R. I.

8518—Lard Cooling Machines

Black-Clawson Co., Hamilton, O.

8519—Lard & Butter Pail Machinery (Sheet Metal)

Ams Max Machine Co., 101 Park av, New York *See adv index at end of book*
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book

8520— Last Machinery

Gilman & Son, Springfield, Vt.
Kimball Bros. & Sprague, Brockton, Mass.

8521— Lath Mill Machinery

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Saw Mill Machinery Co., Hackettstown, N. J.
American Wood Working Machinery Co., Rochester, N. Y.
Bartlett A. F. & Co., Saginaw, Mich.
Butterworth & Lowe (Sheathing, Lath, etc.), Grand Rapids, Mich.
Challoner Co., Oshkosh, Wis.
Chapman's T. M. Sons Co. (Gang Machines), Old Town, Me.
Chase Turbine Mfg Co., Orange, Mass.
Diamond Iron Works, 2nd & 18th av, N, **Minneapolis, Minn.**
Garland M. Co., Bay City, Mich.
Gerlach Peter Co., 1708 Columbus, Cleveland, O.
Lane Mfg. Co., Montpelier, Vt.
Newman Machine Co., Greensboro, N. C.
Portland Iron Works, 495 Northrup, Portland, Ore.
Stearns Co., Erie, Pa.
Sumner Iron Works, Everett, Wash.
Union Iron Works, Bangor, Me.
U. S. Machine Co., Williamsport, Pa.
Wheland Co., W Side & 27th, Chattanooga, Tenn.
Wickes Bros., Saginaw, Mich.
See adv index at end of book

8522— Laundry Machinery

See also Laundry Dryers, Tubs, etc

Adams Laundry Machinery Co., Troy, N.Y.
American Laundry Machy Co. ("Handy," "Hagen," "N. X." Mangles Rotary "Monitor," "Prim Press" Washers, "Universal Press"), Norwood, Cincinnati, O.
Amer. Wringer Co. (Laundry, Power & Hand Wringers, Mangles, Washing Machines, etc.), 91 Social, Woonsocket, R. I.
Asher Mfg. Co., Irvington, N. J.
Bishop Geo. H. ("C. & C." Starchers & Specialties), 550 W Washington, Chicago, Ill.
Bourret-Kirkwood Co., 1128 Mission, San Francisco, Cal.
C. & D. Machy. Exchange (Cleaners & Dyers), 129 Sycamore, Cincinnati, O.
Chicago Laundry Machinery Co. ("Floran" Seam Dampeners, Fold Collar Shaper & Edger, "C. & C." Edgers), 213 W Grand av, Chicago, Ill.
Cleveland Laundry Machy Mfg. Co., 5184 Fowler av, S E, Cleveland, O.
Crittenden J. H. (Cylinders only), 562 Tremont, Rochester, N. Y.
Detroit Laundry Mach. & Supply Co., 1450 21st, Detroit, Mich.
Domestic Laundry Equipment Corp., 224 W 26th, New York
Electro-Chemical Co., Dayton, O.
Empire Laundry Machinery Co., 352 Western av, Boston, Mass.
FABREEKA BELTING CO. (Belting for laundries), 120 High, Boston, Mass.
See adv index at end of book
Fritz Geo. J. Fdry & Mach. Co., 2018 S 3rd, St. Louis, Mo.
Harvey W. W. & Son, Constantine, Mich.
Heim Machine Co., Danbury, Conn.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book

THE INCO
Monel metal
LAUNDRY MACHINERY
Resists the corrosion of Soaps, Sours, Bleaches, Starches, Blues, etc.
Strong as steel, insuring long life.
No rust or verdigris to stain the clothes.
SEE OUR INSERT AT MONEL METAL
THE INTERNATIONAL NICKEL COMPANY
67 Wall Street New York, N.Y.

Interstate Machinery Co., Troy, N. Y.
Invincible Blowpipe & Laundry Equip. Co., 2527 Homer, Chicago, Ill.
Jensen Mfg. Co., Palmyra, N. J.
Lovell Mfg. Co., Erie, Pa.
Lovewell-Henrici Co. ("Henrici" Extractors, Dampening Presses, etc.), Chelsea, Mass.
Lutes-Sinclair Co., Benton Harbor, Mich.
Mateer F. W. & Co. (Extractors, C. & C. Ironers, Cylinder Washers, etc), 222 W Ontario, Chicago, Ill.
Minneapolis Laundry Mchy Co., 2716 Lyndale av, S, Minneapolis, Minn.
National Chemical Co. (Starch Comminutors), Syracuse, N. Y.
Perry Laundry Machinery Co., New Bedford, Mass.
Phillips Wm. & Co., Northville, Mich.
Poland Laundry Machinery Co., 47 Kemble, Boston, Mass.
Raymond Mfg. Co., Saugatuck, Conn.
Reed Mfg. Co. (Collar Shapers), **Erie,** Pa.
Speck Mfg. & Gear Co., 2130H Folsom
Stebbins Mfg. Co. ("Metcalf" Double Water Feed Seam Dampener), 1737 Blake, Denver, Colo.
Tolhurst Machine Works, Troy, N. Y.
Triumph Mfg. Co., 500 Delaware, Kansas City, Mo.
Troy Laundry Machinery Co. (Ltd.), 824 S Michigan blvd, Chicago, Ill.
Watts Laundry Machine Co., Willimantic, Conn.
West Coast Laundry Machinery Co., 3246 17th, San Francisco, Cal.
Willey Co., Inc. ("Hurry" Dryers & "New Way" Systems, Etc.), 210 N 13th, Phila., Pa.
Zeidler Wm. A. Co., 182 Locust av, New York

8523—Laundry Marking Machines

Hume Mfg. Co., Kansas City, Kans.
Lang J. A. & Sons, 280 Dover, Boston, Mass.
National Marking Machine Co., Cincinnati, O.

8524—Leach Casting Machines

Stehling Chas. H. Co., 401 4th, Milwaukee, Wis.

8524a—Lead Casting Machines

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book

8525—Lead Pipe & Trap Machinery

Columbus Mach. Works ("Columbus"), Columbus, Ind.
Robertson Jno. & Co. (Also for Sheet Lead, etc.), 133 Water, Brooklyn, N. Y.

8526—Leather Blacking Machines

Slocomb F. F. & Co. Inc., Dept. H, 14th & Poplar, Wilmington, Del.
Turner Tanning Machy. Co. ("Turner"), (For Coloring, Staining, Gumming, Pasting, etc.), Peabody, Mass.
Western Foundry Co. ("Peterman"), 626 Hood, Portland, Ore.

8527—Leather Bleaching Machines

Turner Tanning Mach'y Co. ("Turner"), Peabody, Mass.

8528—Leather Board Machines

Noble & Wood Mach. Co., Moosick Falls, N. Y.

8529—Leather Brushing Machines

Baker G. W. Machine Co., Wilmington, Del.
Slocomb F. F. & Co. Inc., Dept. H, 14th & Poplar, Wilmington, Del.
Turner Tanning Mach'y Co. ("Turner"), Peabody, Mass.

8530—Leather Buffing Machines

Associated Tanners' Machinery Co., 424 Essex, Salem, Mass.
Naumkeag Buffing Machine Co., Beverly, Mass.
Turner Tanning Mach'y Co. ("Turner"), Peabody, Mass.

8531—Leather Creasing Machines

Osborne C. S. & Co., Box 183, Newark, N. J. *See adv index at end of book*
Randall J. D. Co., 610 W Court, Cincinnati, O.
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book

8532—Leather Cutting Machines

Ohl Geo. A. & Co., 159 Oraton, Newark, N. J.
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book

8533—Leather Drying Machines

BAYLEY MFG. CO., 732 Greenbush, Milwaukee, Wis.
See adv index at end of book
Devine J. P. Co., Buffalo, N. Y.
Proctor & Schwartz, Inc., 7th & Tabor rd, Phila., Pa.
Slocomb F. F. & Co., 14th & Poplar, Wilmington, Del.

8534-5—Leather Embossing Machines

Cavagnaro John J, Harrison, N. J.
Elmes Chas. F. Engng Works, Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Logeman Bros. Co. (Hydraulic), 130 Burleigh, Milwaukee, Wis.
Osborne C. S. & Co. (Harness Makers, etc.), Box 133, Newark, N. J.
See adv index at end of book
Randall J. D. Co., 610 W Court, Cincinnati, O.
United Shoe Machinery Co. ("U. S. M. C."), Boston, Mass.

8536—Leather Fleshing & Slating Machines

Associated Tanners' Machinery Co., 424 Essex, Salem, Mass.
Baker G. W. Machine Co. ("Wilmington" Roller), Wilmington, Del.
Hutchinson Leather Machine Co., Winchester, Mass.
Turner Tanning Mach'y Co. ("Turner"), Peabody, Mass.
Whitney Machine Co., 667 Main, Winchester, Mass.

8537—Leather Glazing Machines

Associated Tanners' Machinery Co., 424 Essex, Salem, Mass.
Baker G. W. Machine Co., Wilmington, Del.
Slocomb F. F. & Co., 14th & Poplar, Wilmington, Del.
Turner Tanning Mach'y Co. ("Turner"), Peabody, Mass.

8538—Leather Measuring Machines

Associated Tanners' Machinery Co., 424 Essex, Salem, Mass.
Baker G. W. Machine Co. ("Sawyer's"), Wilmington, Del.
Nightingale J. E., Danvers, Mass.
Tufting Machine Supply Co., 635 Mt. Elliott, Detroit, Mich.
Turner Tanning Mach'y Co. ("Turner," "Korrect," Improved "Sawyer"), Peabody, Mass.

8539—Leather Punching Machines

Ohl Geo. A. & Co., 159 Oraton, Newark, N. J.
Randall J. D. Co., 610 W Court, Cincinnati, O.

8540—Leather Putting-Out Machines

Associated Tanners' Machinery Co., 424 Essex, Salem, Mass.
Hutchinson Leather Machine Co., Winchester, Mass.
Turner Tanning Mach'y Co. ("Turner"), Peabody, Mass.
Whitney Machine Co., Winchester, Mass.
Woburn Machine Co., Woburn, Mass.

8541—Leather Rolling & Stoning Machines

Associated Tanners' Machinery Co., 424 Essex, Salem, Mass.
Baker G. W. Machine Co., Wilmington, Del.
Quarmby & Hilliker, Lyon, Mass.
Turner Tanning Mach'y Co. ("Turner"), Peabody, Mass.

8542—Leather Scrubbing Machines

Turner Tanning Mach'y Co. ("Turner"), Peabody, Mass.

8543—Leather Seasoning Machines

Associated Tanners' Machinery Co., 424 Essex, Salem, Mass.
Slocomb F. F. & Co., 14th & Poplar, Wilmington, Del.

8544—Leather Setting & Stoning-Out Machines

Associated Tanners' Machinery Co., 424 Essex, Salem, Mass.
Baker G. W. Machine Co., Wilmington, Del.
Turner Tanning Mach'y Co. ("Turner") Peabody, Mass.

8545—Leather Shaving Machines

Associated Tanners' Machinery Co., 424 Essex, Salem, Mass.
Baker G. W. Machine Co., Wilmington, Del.
Boyle John & Co., Peabody, Mass.
Turner Tanning Mach'y Co. ("Turner"), Peabody, Mass.

8546—Leather Skiving Machines

Fortuna Machine Co. ("Fortuna"), 147 Waverly pl, New York

8547—Leather Slitting & Finishing Machines

Randall J. D. Co. (Power, Round Edge), 610 W Court, Cincinnati, O.

8548—Leather Splitting Machines

American Tool & Machine Co. (Belt Knife), 10 High, Boston, Mass.
Baker G. W. Machine Co. ("Western Union" & Belt Knife), Wilmington, Del.
Stehling Chas. H. Co., 401 4th, Milwaukee, Wis.
Turner Tanning Machy. Co., Peabody, Mass.

8549—Leather Staking Machines

Associated Tanners' Machinery Co., 424 Essex, Salem, Mass.
Baker G. W. Machine Co. ("Baker" & "Wilmington" Boiler), Wilmington, Del.
Layman A. C. Machine Co., Wilmington, Del.
Slocomb F. F. & Co., 14th & Poplar, Wilmington, Del.
Stehling Chas. H. Co., 401 4th, Milwaukee, Wis.
Turner Tanning Mach'y Co. ("Turner"), Peabody, Mass.

8550—Leather Stamping Machines

Baker G. W. Machine Co., Wilmington, Del.
Slocomb F. F. & Co., 14th & Poplar, Wilmington, Del.
Turner Tanning Mach'y Co. ("Turner"), Peabody, Mass.

The Index to Trades is the key to the vast stores of information in

HENDRICKS COMMERCIAL REGISTER

Always Use It

8551—Leather Unhairing Machines

Associated Tanners' Machinery Co., 424 Essex, Salem, Mass.
Hutchinson Leather Machine Co., Winchester, Mass.
Munkwitz Edw. H. Co. ("Leidgen"), 159 Muskego av, Milwaukee, Wis.
Stehling Chas. H. Co., 401 4th, Milwaukee, Wis.
Whitney Machine Co., 667 Main, Winchester, Mass.

8552—Leather Whitening Machines

Associated Tanners' Machinery Co., 424 Essex, Salem, Mass.
Baker G. W. Machine Co., Wilmington, Del.
Turner Tanning Machinery Co. ("Turner"), Peabody, Mass.

Leather Working Machinery

See Hide & Leather Working Machinery

Letter Folding Machines

See Circular Folding Machines

8553-4— Leveling Machines For Sheets

Aetna Foundry & Machine Co. (The), Warren, O.
Consolidated Mach. Tool Corp of Amer., 17 E 42nd, New York
See adv index at end of book
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book
United Engng. & Fdry. Co., 307 5th av,
Wissler A. (Any Size & Purpose), B'way & Washington av, St. Louis, Mo.

8555—Lime Hydrating Machinery

Gerdes & Co., 42 Church, New York
See adv index at end of book
Jackson & Church Co., Saginaw, Mich.
Kritzer Co. ("Kritzer" Continuous), 503 S Jefferson, Chicago, Ill.
Miscampbell H. ("Clyde"), Duluth, Minn.
SCHAFFER POIDOMETER CO., FORMERLY SCHAFFER ENGINEERING & EQUIPMENT, 2828 Smallman, Pittsburgh, Pa.
See adv index at end of book

8555a—Lime Pulverizing Machinery

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book

8556—Lime Slacking & Mixing Machines

Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Deming Apparatus Co. (Lime Slacking Tanks & Pumps), 150 Nassau, New York
National Engineering Co., 549 W Washington blvd, Chicago, Ill.

8557—Lining - Beveling Machines (Photo-Engravers')

Royle John & Sons (Inc.), Paterson, N. J.

8558—Linoleum & Floor Cloth Machinery

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Dienelt & Eisenhardt (Printing), 1304 N Howard, Phila., Pa.
FARREL FOUNDRY & MACHINE CO., 30 Main, Ansonia, Conn.
See adv index at end of book
LUEHRS ELECTRIC HEATING CO., 118 St. Clair av, N E, Cleveland, Ohio
See adv index at end of book
Moore & White Co. (Printing), N 15th & Lehigh av, Phila., Pa.
Rich J. & G., 126 N 6th, Phila., Pa.

8559—Linseed Oil Machinery

See also Cotton Seed Oil Machinery

Buckeye Iron & Brass Works, Dayton, O.
Callahan W. P. Co., Dayton, O.
Cardwell Machine Co., 1900 E Cary, Richmond, Va
Davidson & Kennedy Co., 872 N Ashley, Atlanta, Ga.
Elmes Chas. F. Engineering Works, cor Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
French Oil Mill Machinery Co., Piqua, O.
LUEHRS ELECTRIC HEATING CO., 118 St. Clair av, N E, Cleveland, Ohio
See adv index at end of book
Premier Machinery Co., Oakland, Cal.

8559a— Liquid Air Making Machinery

Thomas Arthur H. Co., W Washington sq, Phila., Pa.

8560—Liquid Filling Machines

Premier Machinery Co., Oakland, Cal.

8560a—Liquid Measuring Machines

Buffalo Can & Bottle Filling Machine 308 Terrace, Buffalo, N. Y.
Premier Machinery Co., Oakland, Cal.

8561—Lock Corner Box Machinery

Chase Turbine Mfg. Co. (Automatic Box Presses), Orange, Mass.
Connell & Dengler Machine Co. (Box Trimmers, Box Pressing, etc), Rochester, N. Y.
Fay J. A. & Egan Co., Cincinnati, O.
Luster-Jordan Co., Inc., Finance bldg, Phila., Pa.
Morgan Machine Co., Rochester, N. Y.
Pollard C. A. Co., Newfields, N. H.
Redin-Ekstrom & Co., 1439 Railroad av, Rockford, Ill.
See adv index at end of book

8562—Lock Mortising Machines

Pittsburgh Instrument & Machine Co. ("Pittsburgh"), 236 3d av, Pittsburgh, Pa.
Valley City Machine Works (Oscillating), Grand Rapids, Mich.

8562a—Lock Washer Machy.

SLEEPER & HARTLEY, INC. (Automatic), 335 Chandler, Worcester, Mass.
See adv index at end of book

Log Hauling Machines

See Log Hauls

8563— Log Skidding & Loading Machines

Clyde Iron Works Sales Co. ("Clyde"), Duluth, Minn.
See adv index at end of book



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SEATTLE, 542 First Ave., South
SAN FRANCISCO, 737 Monadnock Bldg.

LIDGERWOOD MFG. CO., 96 Liberty, New York *See adv index at end of book*
Lindsey Wagon Co., Laurel, Miss.
Luther Frederick P. Co., 14 E Jackson blvd., Chicago, Ill.

8564— Logging Machinery

Clyde Equipment Co., 18th & Upshur, Portland, Ore.
CLYDE IRON WORKS SALES CO., Duluth, Minn. *See adv index at end of book*
Dallas Machine & Locomotive Works ("Gerlinger" Log Bunk), Dallas, Ore.
Lamb Machine Co. ("Lamb"), Hoquiam, Wash.
Loggers & Contrs. Machy Co., 70 4th, Portland, Ore.
Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book
Smith & Watson Iron Works, 400 Front, Portland, Ore.
Stewart Bros. Co., 271 Pine, Portland, Ore.
Willamette Iron & Steel Wks., Portland, Ore.

8565— Macaroni Machinery

See also Vermicelli Machy.

Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Bianchi's Machine Shop, 221 Bay, San Francisco, Calif.
CAVAGNARO JOHN J., Harrison, N. J.
CEVASCO, CAVAGNARO & AMBRETTE INC., 156 6th, Brooklyn, N. Y.
Coast Supply Co., 590 Howard, San Francisco, Cal.
East Iron & Machine Co., 351 E Market, Lima, O.
Elmes Chas. F. Engineering Works, cor Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Peters Machinery Co., 4700 Ravenswood av, Chicago, Ill.
Rebizzo M. & Co., 414 Broadway, San Francisco, Cal.
Walton P. M. Mfg. Co., 1019 Germantown, Phila., Pa.

Mail Opening Machines

See Letter Opening Machines

8566— Maize Machinery

Howes S. Co. Inc., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor" Cleaners, Graders, Scourers, Polishers, etc), Silver Creek, N. Y.

8567—Malt Cleaning & Polishing Machines

Barnard & Leas Mfg. Co., Moline, Ill.
Howes S. Co. Inc., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor" Cleaners, Polishers, Graders, etc), Silver Creek, N. Y.

8568— Malt Machinery

Galland-Henning Mfg. Co. (Pneumatic), 26th av & Montana, Milwaukee, Wis.
See adv index at end of book

8569— Mantle Machines

Advance Machine Co. (Shaping, Hardening & Dipping Machines, Cotton Burners, etc), 4645 Ravenswood av, Chicago, Ill.
Mantle Machinery & Patents Co. (For Sewing Incandescent Mantle), 150 Lafayette, New York
Stafford & Holt (Knitting), Little Falls, N. Y.

8570—Mantle Ring Machinery

Patterson Foundry & Machine Co., E Liverpool, O.

8571—Marble Coping Machines

Meyers W. F. Co., Bedford, Ind.

8572—Marble Hole Cutting Machines

Holub-Dusha Co. (Oval Hole Cutting), 1799 1st av, New York

8573—Marble Molding & Countersinking Machines

Meyers W. F. Co., Bedford, Ind.
Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.

Marble Polishing Machines

See Stone Polishing Machines

Marble Working Machinery

See Stone Working Machinery, etc.

8574— Marking Machines

American Perforator Co. (Labels), 621 W Jackson blvd, Chicago, Ill.
Brewster Wm. Co., Inc. ("Elchagraph" Electrical), 50 Church, New York
Electric Fruit Marking Co., 120 E Washington, Los Angeles, Cal.
Gries Bros. (Electrical Metal Marking), 450 E 148th, New York
Hjorth Lathe & Tool Co. ("Success" for Metal), 10 Tremont, Boston, Mass.
Lang J. A. & Sons (For Tags, Leather, Textile Fabrics & Laundry Use), 280 Dover, Boston, Mass.
Martin Machine Co. ("Martin"), Turners Falls, Mass.
Moss Theo. Co., Inc. ("Themco"), 349 Adams, Brooklyn, N. Y.
Newman Machine Co., Greensboro, N. C.
Noble & Westerbrook Mfg. Co. ("Dwight Slate"), for Metal), Hartford, Conn.
Pittsburgh Stamp Co. Inc., 817H Canal, Pittsburgh, Pa.
Premier Machinery Co., Oakland, Cal.
R. & S. Engraving & Die Works, 617-631 W Jackson blvd, Chicago, Ill.
See adv index at end of book
REED & SKEPPSTROM, 625 W Jackson blvd, Chicago
See adv index at end of book

8575— Mashing Machines

Kaestner & Hecht Co. (Hydraulic), 590 Throop, Chicago, Ill.
Schock Gustav & Son, 514 W 57th, New York
Seig Brewery Apparatus Co., 1322 N 5th, Phila., Pa.

8576— Match Box Machinery

Birch & Birch (All Sizes), Crawfordsville, Ind.

8577— Match Machinery

American Splint Co., 25 B'way, New York
Diamond Match Co., 30 Church, New York
United States Machinery Co., 136 Liberty, New York

8578—Matching Machines (Wood)

See also Planing & Matching Machines

American Woodworking Machinery Co., Rochester, N. Y.
Chase Turbine Mfg. Co., Orange, Mass.
Crescent Machine Co., 512 Oak, Leetonia, O.
See adv index at end of book
Fay J. A. & Egan Co., Cincinnati, O.
Hermance Machinery Co., Williamsport, Pa.
Lane Mfg. Co., Montpelier, Vt.
Mereen-Johnson Machine Co. (Bottle Boxes), 4400 Lyndale av, Minneapolis, Minn.
Smith H. B. Machine Co., Smithville, N. J.
Stetson-Ross Mach. Wks., 3204 1st av S, Seattle, Wash.
Woods S. A. Machine Co. ("The Planers of Woods"), 27 Damrell, Boston, Mass.
Yates P. B. Machine Co., Beloit, Wis.

8579—Matting Weaving Machines

Crompton & Knowles Loom Works (For Japanese Matting), Worcester, Mass.

8579a— *Measuring (Cloth) Machines

PARKS & WOOLSON MACHINE CO., Springfield, Vt.
See adv index at end of book

8579b— Measuring Machines (Accurate & Scientific)

Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book

8580—*Meat Can Machinery (Sheet Metal)

Ams Max Machine Co., 101 Park av, New York *See adv index at end of book*
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.

8581—Meat Can Stuffing Machines

Premier Machinery Co., Oakland, Cal.
Sprague Canning Machinery Co., 222 N Wabash av, Chicago, Ill.

8582—Metal Cleaning Machines

IDEAL CONCRETE MACHINERY CO. (METAL CLEANING MACHINERY for cleaning screw machine parts, stampings and similar work. Removes the grease or cutting oil after manufacture), 5007 Spring Grove av, Cincinnati, O.
See adv index at end of book

Metal Beading Machines

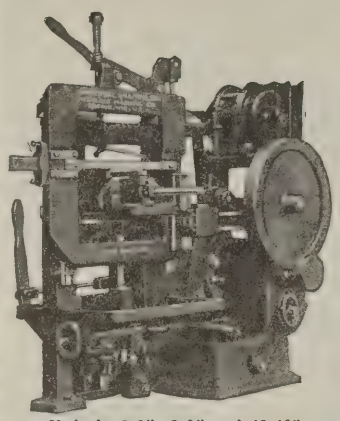
See Crimping & Beading Machines

8583—Metal Cutting-Off Machines

See also Cold Saw Cutting-Off Machines; also Hot Sawing Machines

Bardons & Oliver, Cleveland, O.
Braun J. G., 609 S Paulina, Chicago, Ill.
Brightman Mfg. Co., Columbus, O.
Brown & Sharpe Mfg. Co., Providence, R. I.
Cochrane-Bly Co., Rochester, N. Y.
Etna Machine Co., Toledo, O.
Gilman & Son, Springfield, Vt.
Greenfield Tap & Die Corpn. ("Nutter & Barnes"), Greenfield, Mass.
Hanna Engineering Works, 1764 Elston av, Chicago, Ill.
Higley Machine Co., Croton Falls, N. Y.
Hurlbut-Rogers Machinery Co., South Sudbury, Mass.
Matson Machine Co. ("Matson Safety"), Concord, N. H.
Metal Saw & Machine Co. Inc. ("Horizontal Napier," "Horizontal Junior"), Springfield, Mass.
Modern Machine Tool Co., Jackson, Mich.
Napier Saw Works Inc. ("Napier" Band Saw Type), Middletown, N. Y.
QUICKWORK CO., St. Marys, Ohio
See adv index at end of book

(Continued on following page)



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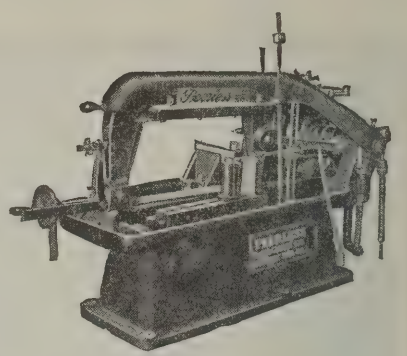
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PEERLESS MACHINE CO. (High Speed), 1630 Racine, Racine, Wis.
See adv index at end of book
Peter Bros. Mfg. Co. (Abrasive), Algonquin, Ill.
Racine Tool & Machine Co. ("Racine" High Speed Power), Racine, Wis.
Roberson W. Machine & Foundry Co. ("Economy"), 56 Rano, Buffalo, N. Y.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Sellew Machine Tool Co., Pawtucket, R. I.
Southwark Foundry & Machine Co., 1123 S 4th, Phila., Pa.
See adv index at end of book

8584—Metal Drying Machines

See also Dryers, Centrifugal Metal Parts
Christie L. R. Co., 501 Peoples Bank Bldg, Pittsburgh, Pa.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
No-Dust Drying Machine Co. ("No-Dust"), 157 Dorrance, Providence, R. I.

8585-6—Metal Edge Box Machines

National Metal Edge Box Co. (Automatic), 1217 Callowhill, Phila., Pa.

8587—Metal Furniture Machinery (Sheet Metal)

BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.
Niagara Machine & Tool Works, Buffalo, N. Y.

8588—Metal Jig Sawing Machines

Thompson H. G. & Son Co. ("Eureka"), New Haven, Conn.

8589—Metal Power Sawing Machines

Braun J. G., 609 S Paulina, Chicago, Ill.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Thompson H. G. & Son Co. ("Milford," "Eureka" Hack Saw Pattern), New Haven, Conn.

Metal Sawing Machines

See Cold-Saw Cutting-off Machines; also Hot Sawing Machines

8590—Metal Tank Machinery

Bliss E. W. Co., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.
Niagara Mach. & Tool Works, Buffalo, N. Y.

8590a—Metal Working Machines

MOLITOR CHAS. MACHINERY CO. (Iron & Brass), 118-124 S Clinton, Chicago

8591—Milk Bottle Sealing Machines

Crown Cork & Seal Co., 1511 Guilford av, Baltimore, Md.
Premier Machinery Co., Oakland, Cal.

8592—Milk Can Washing Machines

Davis-Watkins Dairymen's Mfg. Co., Dept H, North Chicago, Ill.
Jensen Creamery Machy. Co., Nelson & Locust av, Bloomfield, N. J.
Oakes & Burger Co. ("20th Century"), Cattaraugus, N. Y.
Premier Machinery Co., Oakland, Cal.
York Milk Machy. Co., M. & P. R. R., York, Pa.

8593—Milk Condensing Machines

Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Devine J. P. Co., Buffalo, N. Y.
Pacific Copper & Brass Works, Inc., 1915 E 7th, Los Angeles, Cal.
Premier Machinery Co., Oakland, Cal.
Rogers Chas. E., 32 Goldsmith, Detroit, Mich.

Milk Pasteurizing Machinery

See Pasteurizers, Milk, Etc.

8594—Milling, Drilling & Tapping Machines (Radiator Loop)

Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*

8595— Milling Machines

See also Sub-Classifications

Adams Co. ("Farwell" Hand), Dubuque, Iowa
American Milling Machine Co. ("American"), Richmond & McLean, Cincinnati, O.
Beaman & Smith Co. (Horizontal, with One or More Spindles), Providence, R. I.
Bilton Machine Tool Co. ("Bilton" Automatic, Plain, Horizontal & Worm), 990 Housatonic, Bridgeport, Conn.
Brown & Sharpe Mfg. Co (Universal, Plain, Automatic, Hand & Vertical Spindle), Dept. H, Providence, R. I.
Buckeye Tool & Machine Co., New Philadelphia, O.
Burke Machine Tool Co., Conneaut, O.
Burr Jno. T. & Son (Slab Miller), 429 Kent av, Brooklyn, N. Y.
Carter & Hakes Machine Co. (Hand or Power Feed), Winsted, Conn.
Cincinnati Milling Machine Co., Cincinnati, Ohio
Cleveland Milling Mach. Co., 18521 Euclid av., Cleveland, Ohio
Craftsman Tool Co. ("Craftsman"), Conneaut, Ohio
Consolidated Mach. Tool Corp. of Amer. Rochester, N. Y.
See adv index at end of book
Davis & Thompson Co. ("Davis"), 251 Reed, Milwaukee, Wis.
Eccleston Machy Co., For Mining, 162 S Anderson, Los Angeles, Cal.
Espen-Lucas Mach. Wks. (Automobile Axle Rail End & Slab), Girard av & Front, Phila., Pa.
Foster, Walter H. Co., 50 Church, New York
Fox Mach. Co., Jackson, Mich.
Gallmeyer & Livingston Co. ("Valley City"), Grand Rapids, Mich.
Garvin Machine Co. (Universal, Plain, Vertical, Hand, Duplex, Double Face & Traverse Head), 147 Varick, New York
Gooley & Edlund ("Briggs-Miller"), Cortland, N. Y.
Hendey Machine Co. ("Hendey" Plain & Universal Belt Cone & All Gear Drive, Also Motor Driven), Torrington, Conn.
Ingersoll Milling Machine Co. (Heavy, Horizontal & Special Single Purpose), Rockford, Ill.
Kearney & Trecker Corp. ("Milwaukee"), West Allis, Milwaukee, Wis.
Kempsmith Mfg. Co. (Plain, Universal & Lincoln Patterns), West Allis, Wis.
Knight W. B. Machinery Co. ("Duplex"), 3920 W Pine blvd, St. Louis, Mo.
Le Blond R. K. Machine Tool Co. (Plain & Universal), Cincinnati, O.
Lucas Machine Tool Co. ("Precision"), 524 E 99th, Cleveland, O.
Manning Maxwell & Moore, Inc., 100 E 42nd, New York
See adv index at end of book
Milled Screw & Machine Co. (Universal Automatic Thread Millers), Sayre, Pa.
Mitts & Merrill, 1939 S Water, Saginaw, Mich.
National Machine Tool Co., ("National" Key-Seating & Oil Grooving), 2270 Spring Grove, Cincinnati, O.
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*
Porter-Cable Machine Co. (The), 708 N Salina, Syracuse, N. Y.
Potter & Johnston Machine Co. (Automatic), Pawtucket, R. I.
Pratt Whitney Co., Hartford, Conn.
See adv index at end of book
Reed-Prentice Co. ("Becker" Horizontal Continuous, "Reed," "Prentice," "Reed-Prentice"), 677 Cambridge, Worcester, Mass.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*

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Sommer & Adams Co., 18511 Euclid av, Cleveland, O.
Steptal John Co. (Hand & Power Feed), 2951 Colerain av, Cincinnati, O.
Strong, Carlisle & Hammond Co., 336 Frankfort av, N W, Cleveland, O.
Taylor & Fenn Co. ("Taylor & Fenn"), Hartford, Conn.
Thurston Mfg. Co., "Thurco," (Die), 140 Benedict, Providence, R. I.
Tindel-Morris Co., (Double Head Crank, etc), Eddystone, Pa.
Underwood H. B. Corp. (Portable), 1025 Hamilton, Phila., Pa.
Van Norman Machine Tool Co. ("Van Norman" Duplex, Universal & Bench, also Hand), Springfield, Mass.
Warner & Swasey Co. (Valve), 5809 Carnegie av, Cleveland, O.
Wisconsin Miller Mfg. Co., Milwaukee, Wis.

8595a— *Milled Springs

BARNES THE WALLACE CO. (Barnes-Made" Milled Springs), 18 Wallace, Bristol, Conn.
See adv index at end of book
Lee Spring Co., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*
Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y.
See adv index at end of book
Standard Spring & Mfg. Co., 237 42nd, Brooklyn, N. Y.
See adv index at end of book

8596—Milling Machines (Automatic Index)

Garvin Machine Co., 147 Varick, New York

8597—Milling Machines (Bench)

AMES B. C. CO. ("Ames"), North Station, Waltham, Mass.
See adv index at end of book
Burke Machine Tool Co., Conneaut, O.
Carter & Hakes Machine Co., Winsted, Conn.
Hardinge Bros., Inc., 1770 Berteau av, Chicago, Ill.
Hartford Machine Screw Co., Hartford, Conn.
Makutchan Roller Bearing Co., 35 W Lake, Chicago, Ill.
Miller & Crowningshield, Greenfield, Mass.
Pratt Wm. E. Mfg. Co., 15 W Lake, Chicago, Ill.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Reed Prentice Co., 677 Cambridge, Worcester, Mass.
Rockford Milling Machine Co., Rockford, Ill.
Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.
Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.
Stark Tool Co. ("Stark"), Waltham, Mass.
Van Norman Machine Tool Co. ("Van Norman"), Springfield, Mass.
Wright David A., 601 W Monroe, Chicago, Ill.

8598—Milling Machines (Cam or Form)

Garvin Machine Co., 147 Varick, New York
Reed-Prentice Co., 677 Cambridge, Worcester, Mass.
Rowbottom Machine Co. ("Rowbotom"), Waterbury, Conn.

8599—Milling Machines (Combined Horizontal & Vertical)

Lucas Machine Tool Co., 524 E 99th, Cleveland, O.

8600—Milling Machines (Crank Case)

Beaman & Smith Co., Providence, R. I.
Ingersoll Milling Machine Co., Rockford, Ill.

8601—Milling Machines (Die)

Malm & Stahl Tool Works, 501 Washington, Chicago, Ill.
Sterlin Mach. & Die Works, 628 W Jackson blvd, Chicago, Ill.
Thurston Mfg. Co. (Thurco"), 140 Benedict, Providence, R. I.
Western Die & Stamping Wks., 122 Fulton, Chicago, Ill.

8602—Milling Machines (Double Head)

Beaman & Smith Co., Providence, R. I.
Cleveland Milling Mach. Co., 18521 Euclid av, Cleveland, Ohio
Consolidation Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Espen-Lucas Machine Works, Girard av & Front, Phila., Pa.
Garvin Machine Co., 147 Varick, New York
Ingersoll Milling Machine Co., Rockford, Ill.
Pratt & Whitney Co., Hartford, Conn.
Sommer & Adams Co., 18511 Euclid av, Cleveland, O.

Milling Machines (End)

See Planing Machines, Rotary

8603—Milling Machines (Hand)

Brown & Sharpe Mfg. Co., Providence, R. I.
Carter & Hakes Machine Co., Winsted, Conn.
Fox Machine Co., Jackson, Mich.
Garvin Machine Co., 147 Varick, New York
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Rockford Milling Machine Co., Rockford, Ill.
Standard Engineering Works ("Standard"), Pawtucket, R. I.
Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.
Steptoe John Co., 2961 Colerain av, Cincinnati, O.
Van Norman Machine Tool Co., Springfield, Mass.
Whitney Mfg. Co., Hartford, Conn.

8604—Milling Machines (Lincoln)

Carter & Hakes Machine Co., Winsted, Conn.
Garvin Machine Co., 147 Varick, New York
Hendey Machine Co., Torrington, Conn.
Kempsmith Mfg. Co., West Allis, Wis.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Reed-Prentice Co. ("Becker"), 677 Cambridge, Worcester, Mass.
Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.

8605—Milling Machines (Manufacturing)

Gooley & Edlund ("Briggs Mills") (High Duty), Cortland, New York
Kearney & Trecker ("Milwaukee" for Heavy Duty), West Allis, Milwaukee, Wis.
Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.
Van Norman Machine Tool Co. ("Van Norman," Hand), Springfield, Mass.

8606—Milling Machines (Nut)

Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
National Acme Co., 7500 Stanton av, S E, Cleveland, O.

8607—Milling Machines (Plain)

American Milling Mach. Co. ("American"), Richmond & McLean, Cincinnati, O.
Beaman & Smith Co., Providence, R. I.
Bilton Machine Tool Co. ("Bilton"), 990 Housatonic av, Bridgeport, Conn.
Brown & Sharpe Mfg. Co., Providence, R. I.
Cincinnati Milling Machine Co., Cincinnati, O.
Craftsman Tool Co., Conneaut, O.
Fox Machine Co., Jackson, Mich.
Gallmeyer & Livingston Co. ("Valley City"), Grand Rapids, Mich.
Garvin Machine Co., 147 Varick, New York
Kearney & Trecker, Milwaukee, Wis.
Kempsmith Mfg. Co., West Allis, Wis.
Le Blond R. K. Machine Tool Co., Madison & Elmwood, Cincinnati, O.
Manning Maxwell & Moore, Inc., 100 E 42nd, New York
See adv index at end of book
Oesterlein Machine Co., Cincinnati, O.
Potter & Johnston Machine Co., Pawtucket, R. I.
Reed Prentice Co. ("Becker"), 677 Cambridge, Worcester, Mass.
Rockford Milling Machine Co., Rockford, Ill.
Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.

8608—Milling Machines (Planer Type)

Beaman & Smith Co. (Vertical & Horizontal Spindles), Providence, R. I.
Burr John T. & Son (Horizontal & Vertical Spindles), 429 Kent av, Brooklyn, N. Y.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Espen-Lucas Machine Works (Slab Type), Girard av & Front, Phila., Pa.
Ingersoll Milling Machine Co. (Vertical & Horizontal Spindles), Rockford, Ill.
Niles-Bement-Pond Co., 111 Broadway, New York *See adv index at end of book*
Reed-Prentice Co. ("Becker"), 677 Cambridge, Worcester, Mass.
Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.

8608a—Milling Machines (Slab)

Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*

8608b—Milling Machines (Spline)

Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book

8609—Milling Machines (Thread)

Gisholt Machine Co., Madison, Wis.
Gray Machine & Parts Corp. ("Gray"), Dept. H, Batavia, N. Y.
Hanson-Whitney Machine Co. (Semi-Automatic Universal), 75 Bartholomew av, Hartford, Conn.
Lees-Bradner Co. ("Lees Bradner"), Cleveland, O.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.
Smalley-General Co., Bay City, Mich.
T. C. M. Mfg. Co. (Semi-Automatic), Harrison, N. J.
Taft-Pierce Mfg. Co., Woonsocket, R. I.
WALTHAM MACHINE WORKS, Waltham, Mass.
Wicaco Screw & Mach. Works, 4801H Stenton av, Phila., Pa.

8610—Milling Machines (Universal)

American Milling Mach. Co. ("American"), Richmond & McLean, Cincinnati, O.
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Cincinnati Milling Machine Co., Cincinnati, Ohio
Fox Mach. Co., Jackson, Mich.
Gallmeyer & Livingston Co. ("Valley City"), Grand Rapids, Mich.
Garvin Machine Co., 147 Varick, New York
Kearney & Trecker, West Allis, Milwaukee, Wis.
Kempsmith Mfg. Co., West Allis, Wis.
Le Blond R. K. Machine Tool Co., Cincinnati, O.
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See adv index at end of book
Oesterlein Machine Co. ("Ohio"), Colerraine av, Cincinnati, O.
Potter & Johnston Machine Co., Pawtucket, R. I.
Rockford Milling Machine Co., Rockford, Ill.
Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.
Stark Tool Co. ("Stark," Pinion & Wheel Cutter Combined), Waltham, Mass.
Van Norman Machine Tool Co. ("Van Norman"), Springfield, Mass.

8611—Milling Machines (Valve)

American Tool & Machine Co., 10 High, Boston, Mass.

8612—Milling Machines (Vertical)

American Milling Mach. Co. ("American"), Richmond & McLean, Cincinnati, O.
Beaman & Smith Co. (Three Spindle), Providence, R. I.
Brown & Sharpe Mfg. Co., Providence, R. I.
Cincinnati Milling Machine Co., Cincinnati, Ohio
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Clough R. M., Tolland, Conn.
Garvin Machine Co., 147 Varick, New York
Kearney & Trecker, West Allis, Milwaukee, Wis.
Knight W. B. Machinery Co. ("Duplex"), 3520 W Pine blvd, St. Louis, Mo.
Niles-Bement-Pond Co., 111 Broadway, New York *See adv index at end of book*
Porter-Cable Machine Co. (The), 708 N Salina, Syracuse, N. Y.
See adv index at end of book
Potter & Johnston Machine Co., Pawtucket, R. I.
Reed-Prentice Co. ("Becker"), 677 Cambridge, Worcester, Mass.
Rockford Milling Machine Co., Rockford, Ill.
Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.

8613—Milling Machines (Wood)

Oliver Machine Co., Grand Rapids, Mich.
Piel G. Co., 29 13th, Long Island City, N. Y.

8614—Mine Car Caging Machines

Johnson G. M. Mfg. Co., Jeanette, Pa.
Mining Safety Device Co. (Automatic Cager & Nolan Stop), Bowerston, O.

8615—Mine Timber Framing Machines

Denver Engineering Works Co. ("Dewco"), Cooper bldg, Denver, Colo.
Greenlee Bros. & Co., 12th, Rockford, Ill.
Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.
William A. Box Iron Works Co., 3309 Blake, Denver, Colo.

Mine Ventilating Machinery

See Fans, Mine Ventilating

8616— Mining Machinery

See also Mining Machinery, Coal

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
ABBE ENGINEERING CO., 33 Church, New York *See adv index at end of book*
Aldrich Pump Co., Ft. of Pine, Allentown, Pa.

(Continued on following page)

Power, Electrical, and Industrial Machinery

Allis-Chalmers equipment used in many of the leading plants of the country includes heavy machinery for many varied engineering and power purposes, prime movers of all types among which are some of the largest units ever built, complete crushing and cement plants for large dams and irrigation projects, electrical apparatus and many complete lines of industrial machinery.

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Crushing and Cement Machinery
Flour Mill Machinery
Saw Mill Machinery
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Air Brakes
Steam and Electric Hoists
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Timber Preserving Machinery
Perforated Metal
Heavy Forgings

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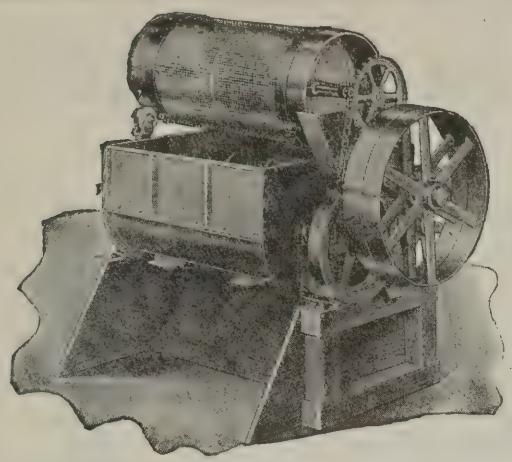
Mining Machinery—Continued

ALLIS-CHALMERS MFG. CO. ("Allis," "Allis-Chalmers"), Milwaukee, Wis.
See adv index at end of book
Am. Well Works (Pumps), Aurora, Ill.
See adv index at end of book
Anthracite Separator Co., Hazleton, Pa.
Arizona Mine Supply Co., Prescott, Ariz.
Arizona & Sonora Mfg. Co. (Sectional), Nogales, Arizona
Austin Mfg. Co., 400 N Michigan av, Chicago, Ill.
Bacon Earle Co., 26 Cortlandt, New York
Baker Iron Wks., Los Angeles, Cal.
Barker Samuel G. & Son, Providence rd, Scranton, Pa.
Bethlehem Shipbuilding Corp., Ltd., Broadhead & Parker av, Dept H, Bethlehem, Pa.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Blaisdell Mach. Wks., Vineland, N. J.
Bonnot Co., Canton, O.
Box Wm. A. Iron Wks. Co., 3309 Blake, Denver, Col.
Brainard Patent Pulverizer Co., Old Colony bldg, Chicago, Ill.
Brown Hoisting Machinery Co., 4403 St. Clair N E, Cleveland, O.
See adv index at end of book
Buchanan C. G. Co., 90 West, New York
Bucyrus Co., South Milwaukee, Wis.
Bury Compressor Co., 1200 W 17th, Erie, Pa.
Butchart W. A. (Concentrators). 1326 11th, Denver, Col.
Butte Machy. Co., Butte, Mont.
Bunting Iron Works, First Nat. Bank bldg, San Francisco, Cal.
Caldwell H. W. & Sons Co., 17th & Western av, Chicago, Ill.
Card C. S. Iron Wks. Co., 1607 Alcott, Denver, Col.
Centrifugal National Concentrator Co., 3202 S San Pedro, Los Angeles, Cal.
Chalmers & Williams Inc., 1461 Arnold, Chicago Heights, Ill.
Connellsville Mfg. & Mine Supply Co., Connellsville, Pa.
CHICAGO PNEUMATIC TOOL CO., 6 E 44th, New York
See adv index at end of book
Colonial Supply Co. (& Supplies), 217 Water, Pittsburgh, Pa.
See adv index at end of book
Colorado Iron Works Co., Denver, Colo.
Covington Machine Co. ("Covington"), Lexington, Covington, Va.
Deister Concentrator Co., Fort Wayne, Ind.
Deister Mach. Co., Fort Wayne, Ind.
Denver Engng. Works Co., Denver, Colo.
Denver Rock Drill Mfg. Co., E 39th av & Williams, Denver, Col.
Dillon-Box Iron Wks. Co., 3309 Blake, Denver, Col.
Dobbins Core Drill Co., Inc., 81-85 6th st, Long Island City, N. Y.
See adv index at end of book
Du Bois Iron Works, Du Bois, Pa.
Duncan Foundry & Machine Works, Alton, Ill.
El Paso Fdry. & Mach. Co., El Paso, Tex.
Enterprise Foundry Co., 2902H 19th, San Francisco, Cal.
Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn.
See adv index at end of book
Finch Mfg. Co., Scranton, Pa.
Fulton Engine Works, Los Angeles, Cal.
Galena Foundry & Machine Co., Galena, Kan.
Galena Iron Works Corp., Galena, Ill.
Galigher Machy. Co. ("Callow" Settling Tanks & Traveling Belt Screens), 101H W. 2nd, Salt Lake City, Utah
Georgia Iron Works (Phosphate), Augusta, Ga.
Gibso W. W., 112 Market, San Francisco, Cal.
Golden Gate & Miners Iron Wks., 249 1st, San Francisco, Cal.
Goodman Mfg. Co. (Electric), Halsted & 48th pl, Chicago, Ill.
Great Lakes Engng. Works, Real Estate Exch. bldg, Detroit, Mich.
Hallidie Co., Spokane, Wash.
Hammond Mfg. Co., 54 1st, Portland, Ore.
Harris Bros. Co. (Second Hand), 35th & Iron), Chicago, Ill.
Harron, Rickard & McCone (Jobbers), 139 Townsend, San Francisco, Cal.
Hendrie & Bolthoff Mfg. & Supply Co. (Dlrs.), 1639 17th, Denver, Col.
Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.
Herzler & Henninger Machine Works, Belleville, Ill.
Howells Mining Drill Co., Plymouth, Pa.
Hydraulic Supply Mfg. Co., 8th av & Nevada, Seattle, Wash.
INGERSOLL-RAND CO., 11 B'way, New York *See adv index at end of book*
Ironton Engine Co., Ironton, O.
Jackson Byron Iron Works, Berkeley, Cal.
James Ore Concentrator Co., 35 Runyon, Newark, N. J.
JEFFREY MFG. CO. (Coal, etc., Electric), 961 N Fourth, Columbus, O.
See adv index at end of book
Johnston & Jennings Co., Addison rd. & N. Y. C. R. R., Cleveland, O.
KENNEDY VAN SAUN MFG. & ENG. CORP., 50 Church, New York
See adv index at end of book
Kimball Frank J. Co., 1860 E 15th, Los Angeles, Cal.
Lakewood Engng. Co., Cleveland, O.
Lake Shore Engine Works (Sinking & Exploring), Marquette, Mich.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Llewellyn Iron Works, Los Angeles, Cal.
McFarlane & Co., Central City, Col.
Maclear Mfg. & Supply Co., Denver, Col.
McFarlane-Eggars Machinery Co., Denver, Colo.
Main Iron Works, 16th & Daggett, San Francisco, Cal.
Marion Mach. Fdry. & Supply Co., Marion, Ind.
Mecklenburg Iron Works (Gold, etc), Charlotte, N. C.
Mine & Smelter Supply Co. (Dlrs.), 42 B'way, New York
Morgan-Gardner Electric Co. (Coal, etc), 27th & Shields av, Chicago, Ill.
Morse Bros. Machy. & Supply Co. (Second Hand), 1732 Wazee, Denver, Col.
Morrow Mfg. Co., Wellston, O.
Nevada Engng. & Supply Co., Reno, Nev.
Nordberg Mfg. Co., Chicago & Oklahoma, Milwaukee, Wis.
Old Royde Mining Machy. Co., 621 W Front, Cincinnati, O.
Ottumwa Iron Works (Coal, Gold & Silver), Ottumwa, Ia.
Pneumelectric Corp. (Coal), 219 Wyoming, Syracuse, N. Y.
Portage Lake Foundry & Machine Co., Hancock, Mich.
Portland Iron Works, 495 Northrup, Portland, Ore.
Power & Mining Machy. Co., 115 B'way. New York
Puget Sound Iron & Steel Works, Tacoma, Wash.
Rauch Mfg. Co., Galena, Kans.
Rogers Jno. M. Works, Gloucester City, N. J.
Roy & Titcomb, Nogales, Ariz.
Salt Lake Engineering Works, Salt Lake City, Utah
Salt Lake Iron & Steel Co., Salt Lake City, Utah
Seattle Machine Works, 51 W Lander, Seattle, Wash.
Sintering Machy. Corp. (Sintering Ores), Netcong, N. J.
Southwestern Engineering Co., 606 S Hill, Los Angeles, Cal.
Stearns-Roger Mfg. Co., 1720 Calif., Denver, Colo.
Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.
Stockton Iron Works, Lindsay & Harrison, Stockton, Cal.
STURTEVANT MILL CO., Clayton & Park, Dorchester, Boston, Mass.
Sullivan Machinery Co., Peoples Gas bldg, Chicago, Ill.
Suppes Forge & Foundry Co., Johnstown, Pa.
Sutton Steel & Steel, Dallas, Tex.
Tamaqua Mfg. Co., Tamaqua, Pa.
Taylor Wharton Iron & Steel Co., High Bridge, N. J.
Traylor Engng. & Mfg. Co., Allentown, Pa.
Union Iron Works, Spokane, Wash.
United Iron Works, Oakland, Cal.
United Iron Works Inc., Kansas City, Mo.
Vandercook A. E. Engineering Co., 621 California, Sacramento, Cal.
Virginian Electric & Machine Works, Charleston, W. Va.
Villa Vicente B. & Co., 165 B'way, New York
Vulcan Iron Works ("Vulcan" Coal & Copper), Wilkes-Barre, Pa.
Vulcan Mfg. Co., 1200 4th av, So Seattle, Wash.
Walker Mfg. Co., 2156 15th, Denver, Colo.
Webb City & Carterville Foundry & Machine Works, Webb City, Mo.
Wellman-Seaver-Morgan Co. (Miscellaneous), E 70th & Central av, Cleveland, Ohio
Western Iron Works, Butte, Mont.
Wilmot Engng. Co., Hazleton, Pa.
Worthington Pump & Machy. Corp., 115 Broadway, New York

8617-8—Mining Machinery (Coal)

See also Mining Machines; also Coal Cutting Machines

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Cooke Wilson Electric Supply Co. (Dlrs.), Imperial Power bldg., Pittsburgh, Pa.
Eagle Iron Works, Des Moines, Ia.
Ellison Wm. & Son Mfg. Co., St. Louis, Mo.
Exeter Machine Works, Pittston, Pa.
Finch Mfg. Co., Scranton, Pa.
Goodman Mfg. Co. (Electric), Halsted & 48th pl, Chicago, Ill.
Grant Iron Works (Mine & Breaker Machinery), Mahoney City, Pa.
Green L. A. (Dealer), First National Bank bldg, Pittsburgh, Pa.
Herzler & Henninger Machine Works, Belleville, Ill.
Howells Mining Drill Co., Plymouth, Pa.
INGERSOLL-RAND CO., 11 B'way, New York *See adv index at end of book*
Jackson & Church Co., Saginaw, Mich.
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
Link-Belt Company, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
McMyler-Interstate Co. (The) (Pile Driving), Cleveland, Ohio
See adv index at end of book
Mauch Chunk Iron Works, Mauch Chunk.
Mead-Morrison Mfg. Co., c Prescott & Orleans, East Boston, Mass.
Milholland J. & J. B. Co., 714 5th av, Pittsburgh, Pa.
Morgan-Gardner Electric Co. (Electric),, 27th & Shields av, Chicago, Ill.
Mount Carmel Iron Works, Mount Carmel, Pa.
Oldroyd Mining Machine Co., 621 W Front, Cincinnati, Ohio
Ottumwa Iron Works, Ottumwa, Ia.
Pittsburgh Coal Washer Co., Fulton bldg, Pittsburgh, Pa.
Sanford-Day Iron Works, Knoxville, Tenn.
Savage W. J. Co., Knoxville, Tenn.

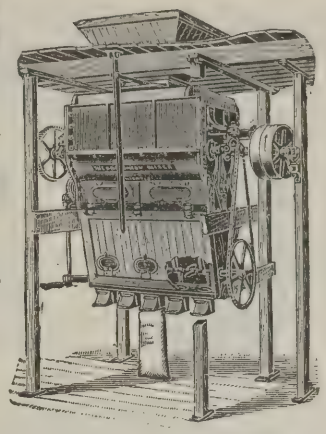


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Tamaqua Mfg. Co., Tamaqua, Pa.
Tracy Bertrand P (Repair Parts), 901 Penn av, Pittsburgh, Pa.
United Iron Works, Inc., Kansas City, Mo.
Vulcan Iron Works ("Vulcan"), Wilkes-Barre, Pa.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

8619—Mining Machinery (Hydraulic)

Abendroth & Root Mfg. Co., Newburgh, N. Y. *See adv index at end of book*
Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.
Villa Vicente B. & Co., 165 B'way, New York

8620—Mining Machines (Chain)

See also Coal Cutting Machines

Goodman Mfg. Co., Halsted & 48th pl, Chicago, Ill.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
Morgan-Gardner Electric Co., 27th & Shields av, Chicago, Ill.

8621-2—Mining & Crushing Machinery (Portable)

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York *See adv index at end of book*
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Acme Road Machinery Co., Frankfort, N. Y.
Allis-Chalmers Mfg. Co., Milwaukee, Wis *See adv index at end of book*
JEFFREY MFG. CO., 961 N Fourth Columbus, O. *See adv index at end of book*

8623—Mitre Blanking Machines

Canton Foundry & Machine Co. ("Universal"), Canton, O. *See adv index at end of book*

8624—Mitre Cutting Machines

Braun J. G., 609 S Paulina, Chicago, Ill.
Loy & Nawrath Co. (For Metal), 25 Runyon, Newark, N. J.

8625—Mitre Sawing & Clamping Machines

Duplex Moulding Sander Co. ("Duplex"), Hornell, N. Y.

8626— Mitreing Machines

American Woodworking Machinery Co., Rochester, N. Y.
Beach Mfg. Co., Montrose, Pa.
Braun J. G., 609 S Paulina, Chicago, Ill.
Fay J. A. & Egan Co., Cincinnati, O.
Jones Superior Machine Co. (For Wood), 1264 W North av, Chicago, Ill.
Knowlton M. D. & Co., 26 Elizabeth, Rochester, N. Y.
Maddox Machine Co. ("Maddox" Double Mitre Saw), Jamestown, N. Y.
Smith H. B. Machine Co., Smithville, N. J.
Triumph Mfg. Co. ("Powers" Mitreing & Cutting Machines for Printers), 500 Delaware, Kansas City, Mo.

8627—Mitering Machines (Paper, Cloth & Leather)

Knowlton M. D. Co. (Also Cardboard), 26 Elizabeth, Rochester, N. Y.

8627a— Mixing Machinery

See also Specific Kind Required; also Mixers, Various Kinds

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York *See adv index at end of book*
Atlanta Utility Works (Fertilizer), Atlanta, Ga.
Cleveland Mixer & Mfg. Co. ("Triplex"), 5511H Euclid av, Cleveland, O.
DUNNING & BOSCHERT PRESS CO., INC., 379 W Water, Syracuse, N. Y. *See adv index at end of book*
Kopperman Jos. & Son (Candy), 307 Florist, Phila., Pa.
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
NATIONAL ENGINEERING CO., 549 W Washington blvd, Chicago, Ill.
Smith T. L. Co., 1151 32nd, Wilwaukee, Wis. *See adv index at end of book*

8628—Mixing Machines (Coffee & Tea)

Dunning & Boschert Press Co. (Inc.), 379 W Water, Syracuse, N. Y. *See adv index at end of book*
Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.
Robinson H. Mfg. Co., Muncy, Pa.
Sprout, Waldron & Co., Muncy, Pa. *See adv index at end of book*

8629—Mixing Machines (Glue)

Challoner Co. (Vegetable Glue), Oshkosh, Wis.
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Toledo Glue Appliance Co., 611 Jefferson av, Toledo, Ohio

8630—Moistening Machines (Paper, Cloth, Leather, Etc.)

Crowell Corp., 34 35th av, Brooklyn, N. Y.
Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.
Liberty Paper Co. (Gummed Tape), 501 5th av, New York

8631—Molasses Filling Machines

Premier Machinery Co., Oakland, Cal.
Sprague Canning Machinery Co., 222 N Wabash av, Chicago, Ill.

8631a— Molding Machines

Bryan Pattern & Mach. Co., Bryan, O.
Dopp J. W. (Dealer), 18 W Columbia, Detroit, Mich.
Grimes Molding Machine Co. ("Grimes" Jolt Bullover), 5736 Hastings, Detroit, Mich.
Hanna Engineering Wks. ("Mumford"), 1764 Elston av, Chicago, Ill.
Nicholls Wm. H. Co. Inc., 2 College pl, Brooklyn, N. Y.
Osborn Mfg. Co. ("Osborn." Plain, Core, Rollover Stripper & Squeezer), 5401 Hamilton av, Cleveland, O.

8632—Molding Machines (Foundry)

Adams Co. ("Farwell," Universal Automatic & Multiple), Dubuque, Ia.
American Fdry. Equipment Co., The, 366 Madison av, New York
Arcade Mfg. Co. ("Modern," for Small Castings; also "Norcross," Jolt Ramming Machines), Freeport, Ill.
B & B Mfg. Co. ("B & B" Hand Jar & Squeezer), 2018 Mass. av, Indianapolis, Ind.
Berkshire Mfg. Co. ("Universal," "Berkshire" Automatic Air Squeezer & Hand Squeezer), Whitney Power blk, Cleveland, O.
Bridgeport Die & Machine Co. ("Bridgeport"), 166 Elm, Bridgeport, Conn.
Buch Foundry Equipment Co. (Jar Squeeze, Roll-over & Pattern Draw), Bridgeport, Pa.
Buch's A. Sons Co. (Gravity Moulder & "Parks" Portable Jar & Squeezer), Elizabethtown, Pa.
Chambersburg Engineering Co. (Hot & Cold), Chambersburg, Pa.
Champion Foundry Machy. Co., 3018 W 21st pl, Chicago, Ill.
Cooper H. W. Saddlery Hdw. Mfg. Co. (Moline Squeezer), Moline, Ill.
Davenport Mach. & Fdry. Co. (Joits & Squeezers), Davenport, Ia.
Demmler Wm. & Bro. ("Kewanee," Jarring Type), Kewanee, Ill.
Elmira Foundry Co. ("Gow"), Elmira, N. Y.
Federal Malleable Co. ("Rapid"), West Allis, Wis.
Foundry Equipment Co., 1833 Columbus rd, Cleveland, O.
Freeman Mfg. Co. ("Dearsley"), Racine, Wis.
Grimes Molding Machine Co. ("Grimes," "Rathblone" Jolt Rollover & Multiple type for Foundries), 5736 Hastings, Detroit, Mich.
Harriman Mfg. Co. (Gravity Molder), Harriman, Tenn.
Herman Pneumatic Machine Co. ("Herman," Jarring), Zelienople, Pa.
International Molding Machine Co. ("International"), 2614 W. 16th, Chicago, Ill.
Johnston & Jennings Co., Addison rd & N. Y. C. R. R., Cleveland, Ohio
Mumford Molding Machine Co., 1765 Elston, Chicago, Ill.
Newman Machine Co. (Heavy 7 to 14 inch), Greenboro, N. C.
Nicholls Wm. H. Co. Inc., 2 College pl, Brooklyn, N. Y.
Osborn Mfg. Co. ("Osborn" Core, Roll Over Hand & Power, Squeezer Power, Stripping Plate, Hand & Power), 5401 Hamilton av, Cleveland, Ohio
Phenix Iron Works (Pulley), Winona, Minn.
Pridmore Henry E., 1901 S Rockwell, Chicago, Ill.
Providence Press Machinery Co., Inc. ("Master"), Room 610, 110 W. 40th, *See adv index at end of book*
Reynolds James Mfg. Co., 99 Mill River, New Haven, Conn.
Syracuse Malleable Iron Works ("Burns Economic"), Syracuse, N. Y.
Tabor Mfg. Co., 18th & Hamilton, Phila., Pa.
Turner Machine Co., 75 Fulton, New York
Woodison E. J. Co., 1621 St. Aubin, Detroit, Mich.

8633—Molding Sander Machines

Austin & Eddy ("Pioneer"), 117 Broad, Boston, Mass.
Duplex Moulding Sander Co. ("Duplex"), Hornell, N. Y.
Hall & Brown Woodworking Machine Co., 1911 N B'way, St. Louis, Mo.

8634—Mop Making Machines

Saunders & Co. (Automatic), 1700 B'klyn av, Kansas City, Mo.

Mortar Mixing Machinery

See Mixing Machinery

Mortising Machines

Mortising Machines are Classified Under the Kind Descriptive Thereof

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(See our advs. at Spring Coiling Machy. and Springs)

8635—Mosaic Cutting Machinery

Marburg Brothers Inc., 90H West, New York
Patch F. R. Mfg. Co., Rutland, Vt.

8636—Mosaic & Tile Floor Polishing Machines

Elec. Rotary Mach. Co. ("Electric Rotary Machine"), 3825 W Lake av, Chicago, Ill.
Herr John Mfg. Co., 44 N 4th, Phila., Pa.
Patch F. R. Mfg. Co., Rutland, Vt.

8637—Motor Fly Wheel Balancing Machinery

Defiance Machine Works, Defiance, O.

Moulding Machines

See Molding Machines

8638—Moving Picture Film Machines

Atlas Educational Film Co., 29 E Madison, Chicago, Ill.
Beck Chas. Machine Co., 607 Chestnut, Phila., Pa.
Power Nicholas Co., 90 Gold, New York

8639—Moving Picture Machines

Amusement Supply Co., 746 S Wabash, Chicago, Ill.
Baird C. R. Co., 24 E 23d, New York
Bell & Howell Co. (Printing, Perforating, Splicing and Accessories), 1803 Larchmont av, Chicago, Ill.
Blue Seal Products Co., 27 Lafayette av, Brooklyn, N. Y.
Bosworth, De Frenes & Felton (For Advertising, etc), Wilkes-Barre, Pa.
Cinema-Machine Co. ("Cinex" Film Polish, Testing & Developing), 4443 Sunset blvd, Los Angeles, Cal.
Gennert G., 24 E 13th, New York
Graphoscope Development Co. ("Graphoscope"), 95 R. R. av, Newark, N. J.
Imperial Elec. Co., Union City, Ind.
Keystone Mfg. Co. ("Keystone"), 53 Wareham, Boston, Mass.
Kinockon Apparatus Corp., Bridgeton, N. J.
Motion Picture Apparatus Co. Inc., 118 W 44th, New York
Motion Picture Produce Co. of America, 398 5th av, New York
Monarch Theatre Supply Co., 724 S Wabash, Chicago, Ill.
Power Nicholas Co. (Powers Cameragraph), 90 Gold, New York
Precision Machine Co. (Motor Driven), 317 E 24th, New York
Victor Animatograph Co., Davenport, Iowa

8640—Muscle Testing & Lifting Machines

Mills Novelty Co., 321 S Green, Chicago, Ill.

8641—Mustard Seed Cleaning Machines

Howes S. Co. Inc., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.

8641a—Music Roll Cutting Machines

Filmusic Co., 6701 Sta. Monica blvd, Los Angeles, Cal.
Leabrjan Mfg. Co. (Perforating), Hamilton, O.

8642—Nail Keg Stave Machinery

Gerlach Peter Co., 1703 Columbus, Cleveland, O.
Lenker Frank K. & Co. (Sawing, Jointing, Crazing, Cut-Off, Bolting, etc), Millerburg, Pa.

8643-4—Nail Mill Machinery

BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Cleveland Machine & Mfg. Co., 4944 Hamilton av, Cleveland, O.
Glader Wm. ("Glader" Wire Nail), 210 N Ann, Chicago, Ill.
Miller's H. J. Sons ("Perkins Pattern" Wire), Bridgewater, Mass.
National Machinery Co. (Wire), Tiffin, O.
Perkins Henry Co. (Wire), Bridgewater, Mass.
SLEEPER & HARTLEY, INC. (Wire Nail & Nail Die Grinding, Wire Cuts, Tumbling Barrels, etc.), 335 Chandler, Worcester, Mass.
See adv index at end of book
Vaughn Machinery Co. (Wire Nail, Mill, etc), Cuyahoga Falls, O.
Walton & Macke Nail Co. (Wire), Kokomo, Ind.
Wright David A., Inc., 601 W Monroe, Chicago, Ill.

Nail Pulling Machines

See Pullers, Nail

Nailing Machines

See Box Nailing Machines; also Hoop Nailing Machines

8645-6-7—Neck Yoke & Singletree Machinery

McKain Mfg. Co., 919 N Main, Los Angeles, Cal.
Ober Mfg. Co., Chagrin Falls, O.
Trevor Mfg. Co., Lockport, N. Y.

8648—Nibber & Trimming Machines (Combined)

Rock River Machine Co., Janesville, Wis.
Ryerson Jos. T. & Son, Inc. (For Spring Shop Work), 2558 W 16th, Chicago, Ill. *See adv index at end of book*

8648a—Nickel Silver Rolling Mill Machinery

Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.

8649—Nipple Cutting Machines

Bignall & Keeler Machine Works ("B & K"), Edwardsville, Ill.
Crerar Adams & Co. ("Calumet"), 259 E Erie, Chicago, Ill.
Landis Machine Co., Waynesboro, Pa.
Williams Tool Co., Erie, Pa.

8650—Nipple Threading Machines

Bethlehem Steel Co., Bethlehem, Pa.
Bignall & Keeler Machine Works ("B & K"), Edwardsville, Ill.
Landis Machine Co., Waynesboro, Pa.
Murchey Mach. & Tool Co. ("Murchey" Automatic), 951H Porter, Detroit, Mich.
Oster Mfg. Co., 2057 E 61st pl, Cleveland, Ohio

8651—Nitrating Centrifugal Machines

Watson Machine Co., Paterson, N. J.

Noodle Machinery

See Macaroni Machinery

8652— Notching Machines

BLISS CO., E. W. (Armature), 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Johnson Safety Saw Works ("Speed Saw Table"), 20 Stillman, San Francisco, Cal.
See adv index at end of book
Leffler Chas. & Co. (Also Bench Notching Machinery for Pierced Tin Ware, Can Boxes, etc), 59 Clymer, Brooklyn, N. Y.
Long & Allstatter Co. (Disc Armature), Hamilton, O.
See adv index at end of book
Niagara Machine & Tool Works (Sheet Metal), Buffalo, N. Y.
Peck, Stow & Wilcox Co., Southington, Conn.
Rock River Machine Co., Janesville, Wis.
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book

8653—Nougat Cutting Machines

Rittenhouse Frank, Norristown, Pa.

8654— Numbering Machines

American Numbering Machine Co., 234 Shepherd, Brooklyn, N. Y.
American Perforator Co. ("American" Perforator), 625 W Jackson blvd, Chicago, Ill.

Bates Mfg. Co. ("Bates" & "Wizard" Automatic Hand), 50 Church, New York
Cushman & Denison Mfg. Co. ("Reliance"), 240 W 23d, New York
Dickey-Grabler Works, W Madison & 103d, Cleveland, O.
Haynes & Co., 75 Westminster, Providence, R. I.
Hero Mfg. Co., Westmoreland av & Stokley, Phila., Pa.
Hickok W. O. Mfg. Co., Harrisburg, Pa.
Kastens Henry, 418 W 27th, New York
Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa.
See adv index at end of book
Melind Louis Co., 362 W Chicago av, Chicago, Ill.
Meyer & Wenthe (Dirs.), 30 S Jefferson, Chicago, Ill.
Moss Theo. Co., Inc. ("Themco"), 349 Adams, Brooklyn, N. Y.
Premier Machinery Co., Oakland, Cal.
R. & S. Engraving & Die Works, 617-631 W Jackson blvd, Chicago, Ill.
See adv index at end of book
Reed & Skeppstrom, 625 W Jackson blvd, Chicago
Roberts Numbering Machine Co. ("Bates," Automatic), 706 Jamaica av, Brooklyn, N. Y.
Smith R. H. Mfg. Co., Springfield, Mass.
Spencer S. M. Mfg. Co. (Also for Case Marking), 9 Cornhill, Boston, Mass.
Stewart R. A. & Co. ("Premier"), 80 Duane, New York
Swisher R. D. Mfg. Co., 415H S. Clinton, Chicago, Ill.
Time & Enery Co., 9 S Clinton, Chicago, Ill.
Traut & Hine Mfg. Co. ("Climax"), New Britain, Conn.
Wetter Numbering Machine Co., Atlantic av & Logan, Brooklyn, N. Y.

8655—Numbering & Paging Machines

Hickok W. O. Mfg. Co., Harrisburg, Pa.
Hoole Machine & Engraving Works, 29 Prospect, Brooklyn, N. Y.
Latham Machinery Co. ("Monitor"), 1153 Fulton, Chicago, Ill.
Sheridan T. W. & C. B. Co., 401 Broadway, New York

8656—Nut Blanking Machines

Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

8657—Nut Burring Machines

Howard Iron Works, Buffalo, N. Y.
National Machinery Co., Tiffin, O.

8658— Nut Facing Machines

Acme Machinery Co., 4533 St. Clair av, Cleveland, O.
National Machinery Co., Tiffin, O.
Victor Tool Co. ("Victor"), Waynesboro, Pa.

8659—Nut Finishing Machines

Pawtucket Mfg. Co., Pawtucket, R. I.

Nut Machinery

See Bolt & Nut Machinery

8660—Nut Machines (Hot Pressed)

Acme Machinery Co., 4533 St. Clair av, Cleveland, O.
Ajax Mfg. Co., 3830 Lakeside av, Cleveland, O.
Howard Iron Works, Buffalo, N. Y.
National Machinery Co., Tiffin, O.

8661—Nut Tapping Machines

Acme Machinery Co. (Automatic), 4533 St. Clair av, Cleveland, O.
Automatic Machine Co. ("Coulter" Horizontal), 113 E Washington, Bridgeport, Conn.
Besly Chas. H. & Co. ("Besly"), 128 N Clinton, Chicago, Ill.
Brown H. B. Co., East Hampton, Conn.
Howard Iron Works, Buffalo, N. Y.
Landis Machine Co., Waynesboro, Pa.
National-Acme Co., 7500 Stanton av, S. E., Cleveland, O.
National Machinery Co. (Semi-Automatic & Automatic), Tiffin, O.
Pawtucket Mfg. Co., (2, 3, 4, 6 & 9 Spindles), Pawtucket, R. I.
San Francisco Engng. Co., 322 6th, San Francisco, Cal.
Simmons Machine Co. (Inc.), ("Simmons" openside), 987 B'way, Albany, N. Y.
Universal Machine Co., Bowling Green, O.

8662—Nut Tapping Machines (Multiple Spindle)

Acme Machinery Co., 4533 St. Clair av, Cleveland, O.
Howard Iron Works, Buffalo, N. Y.
National-Acme Co., 7500 Stanton av, S E, Cleveland, O.
Pawtucket Mfg. Co., Pawtucket, R. I.

8663—Oat Clipping Machines

Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Howes S. Co. Inc., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.

8664—Oat Groats Machinery

Bartlett & Snow Co., C. O. (Cutters), 6350 Harvard av, Cleveland, O.
See adv index at end of book
Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.

8665— Oat Machinery

Barnard Machinery Co., Dept H, Enterprise, Kans.
Howes S. Co. Inc., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor" Cleaners, Separators, Clippers & Extractors), Silver Creek, N. Y.

8666— Oat Meal Machinery

Invincible Grain Cleaner Co. (Cleaning, Grading & Packing), Silver Creek, N.Y.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Robinson Mfg. Co., Muncy, Pa.
Sprout, Waldron & Co. (Hullers), Muncy, Pa. *See adv index at end of book*

8667—Oil Cake Packing Machines

French Oil Mill Machinery Co., Piqua, O.

8668—Oil Cake Trimming Machines

French Oil Mill Machinery Co., Piqua, O.

8669— Oil Chilling Machines

Carbondale Mach. Co., Dept H, Carbondale, Pa.
Moore Sam'l L. & Sons, Elizabeth, N. J.

8670— Oil Cloth Machinery

Currier Cyrus & Sons, 365 Market, Newark, N. J.
Dienelt & Eisenhardt, Inc. (Printing), 1304 N. Howard, Phila., Pa.
Moore & White Co. (Oil Cloth Printing Machines), N 15th & Lehigh av, Phila., Pa.
Rich J. & G., 617 Arch, Phila., Pa.
Waldron Jno. Co., New Brunswick, N .J.

8671— Oil Mill Machinery

See also Cottonseed Oil Machinery

Atlanta Utility Works, Atlanta, Ga.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Bauer Bros. Co., Bauer bldg., Springfield, Ohio
Bethlehem Shipbuilding Corporation Ltd. (Oil Refining), Bethlehem, Pa.
BUCKEYE IRON & BRASS WORKS, 322 E 3rd, Dayton, Ohio
See adv index at end of book
Burruss Engineering Co., Atlanta, Ga.
Carver Fred S., 8 W 40th, New York
Callahan W. P. & Co., Dayton, O.
Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Davidson & Kennedy Co. (Copra, Corosa Nuts, Peanuts, Rape Seed, Sesame Seed & Sun Flower Seed), 872 N Ashley, Atlanta, Ga.
Dulaney W. F. & Sons (Dirs.), Paris, Tex.
Elmes Chas. F. Engng. Wks., Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
French Oil Mill Machinery Co., (Oil Cake Trimming & Packing), Piqua, O.
HYDRAULIC PRESS MFG. CO. ("H. P. M."), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Lombard Iron Works & Supply Co., Augusta, Ga.
Murray Co., Dallas, Tex.
Sprout Waldron & Co., Muncy, Pa.
See adv index at end of book
Worthington Pump & Machinery Corp., 115 B'way, New York

Oil Well Machinery

See Well Drilling Machinery

8672-3—Oil Well Pulling Machines

Buckeye Traction Ditcher Co. (Pulling & Cleaning), Findlay, Ohio
Fulton Engine Works, 1000 Alhambra, Los Angeles, Cal.
Marion Machine Foundry & Supply Co., Marion, Ind.
National Supply Co., Union B'k bldg., Pittsburgh, Pa.

8674—Oil & Waste Saving Machines

D'Olier Centrifugal Pump & Mach. Co., 165 B'way, New York
OIL & WASTE SAVING MACHINE CO., Real Estate Trust bldg, Phila., Pa.
See adv index at end of book

Oil & Waste Saving Machine Co.
PHILADELPHIA, PA.
Oil Reclaiming Machines
Waste Reclaiming Machines
Chip Separators, Oil Filters

8675—Oleo & Lard Rendering Machinery

Brecht Co., 1201 Cass av, St. Louis, Mo.
Hydraulic Press Mfg. Co. (Hydraulic Press, "H. P. M."), 24 Lincoln av, Mt. Gilead, O. *See adv index at end of book*

Opticians' Machines

See Jewelers' & Opticians' Machines & Tool

Ore Briquetting Machinery

See Briquetting Machinery

Ore Concentrating Machines

See Concentrators, Ore

Ore Handling Machinery

See Coal & Ore Handling Machinery

8676—Ore Milling Machinery

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
ABBE ENGINEERING CO., 38 Church, New York *See adv index at end of book*
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Colorado Iron Works Co., Denver, Colo.

8677—Ore Reduction Machinery

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, O.

8678—Ore Washing Machinery

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Davis Foundry & Machine Works, Rome, Ga.
McLanahan-Stone Mach. Co., Hollidaysburg, Pa.
Mine & Smelter Supply Co., 42 B'way, New York
Rome Machine & Foundry Co., Rome, Ga.
Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.
Tamaqua Mfg. Co., Tamaqua, Pa.

8679—Oyster Canners' Machinery

Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
KOVEN L. O. & BRO., INC., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Premier Machinery Co., Oakland, Cal.
Renneburg E. & Sons Co., 2639 Boston, Baltimore, Md.
Sprague Canning Machinery Co., 222 N Wabash av, Chicago, Ill.

8680—Oyster Cultivating Machinery

Automatic Machine Co., 113 E Washington, Bridgeport, Conn.

8681—Package Handling Machines For Department Stores, Factories, Etc.

Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Jeffrey Mfg. Co., 961 N 4th Columbus, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Morrisville Fdry. Co., Morrisville, Vt.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

8682—Package Heading-Up Machines

Glader Wm. ("Glader" 10 to 30 Gallons), 210 N Ann, Chicago, Ill.

8683-4—Package Sealing & Labeling Machines

Eisler Anthony & Co. ("Jiffy" Sealing), 227 Canal, New York
Nuway Package Sealer Corp. ("Nuway"), 1238 San Fernando, Los Angeles, Cal.
PETERS MACHINERY CO., 4700 Ravenswood av, Chicago, Ill.
Premier Machinery Co., Oakland, Cal.
Standard Automatic Machine Co., Rochester, N. Y.

8685 — Packers' Can Making Machinery

Ams Max Machine Co., 101 Park av, New York *See adv index at end of book*
Angelus Sanitary Can Mach. Co. ("Angelus'), Pacific blvd, at 49th, Los Angeles, Cal.
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
McDonald Mach. Co., 7600 S. Racine av, Chicago, Ill.
Premier Machinery Co., Oakland, Cal.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

8686—Packing House Machinery

(Names with * also manufacture Monel Metal)

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
*Acme Electric Heater Co., Detroit, Mich.
Acme Engineering Co. ("Acme" Rendering & Drying Machine), 201 Beckel bldg, Dayton, O.
Allbright-Nell Co., 5315 Western av, Chicago, Ill.
Brecht Co., 1201 Cass av, St. Louis, Mo.
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
*Cincinnati Butchers Supply Co., Cincinnati, Ohio
*Comstock C. B., 110 W 40th, New York
Covey Automobile Mach. Wks., 8th & Orange, Riverside, Cal.
Dayton Beater & Hoist Co., 24 N Canal, Dayton, O.
Flynn & Emrich Co. (Ham Cookers), 305 N Holliday, Baltimore, Md.
*Furman Engineering Corp., 30 Church, New York
*Ham Boiler Corp., 1762 Westchester av, New York
*Hanak Co., B. B., 169 N Ada, Chicago, Ill.
*Hottmann Machine Co., 3325 Allen, Philadelphia, Pa.
Hydraulic Press Mfg. Co. (Hydraulic Presses, "H. P. M."), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Jeffrey Mfg. Co., 961 N 4th Columbus, O.
See adv index at end of book
*Koven & Bro., L. O., 154 Ogden av, Jersey City, N. J.
KUTZTOWN FOUNDRY & MACHINE CO., 1421 Chestnut, Phila., Pa.
See adv index at end of book
*Lidseen Gustave (Seamless Construction), 830 S Central av, Chicago, Ill.
LINK-BELT COMPANY ("Link-Belt"), 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
*Littleford Brothers Co., 453 Pearl, Cincinnati, Ohio
*Mahaffy Co., W. S., Toronto, Ont.
Mechanical Mfg. Co., W Pershing rd & Loomis, Chicago, Ill.
Murray Iron Works Co., Burlington, Ia.
*New York Millwright Co., 86 Cortlandt, New York
*Packers Machine & Equipment Co., 1400 W 47th, Chicago, Ill.
Perrin W. R. & Co., 343 S Dearborn, Chicago, Ill.
Phila. Coppersmithing Co., 808 N Front, Phila., Pa.
Redfield Robert S., 53 W Jackson bl, Chicago, Ill.
*Richter W. J., 3907 S Halsted, Chicago, Ill.
*Schmidt Co., C., Livingston & John, Cincinnati, Ohio
*Sholes, Inc., 186 Lafayette, New York
Stebler Parker Co., Inc. (Fruit Packing), 171 9th, Riverside, Cal.
*Transue & Williams Steel Forging Corp., Alliance, Ohio
Vulcan Iron Works, Inc., Hudson & Essex, Jersey City, N. J.
*Weber Bros. Metal Works, 108 N Jefferson, Chicago, Ill.
*Wolf, Sayer & Heller, Fulton & Peoria, Chicago, Ill.

8687— Packing Machines

See also Bag Filling Machines

Allis-Chalmers Mfg. Co. (Bran, Flour, etc), Milwaukee, Wis.
See adv index at end of book
American Machine & Foundry Co., 2nd & 56th, Brooklyn, N. Y.
Anglo Am. Mill Co. (Flour & Feed), Owensboro, Ky.
Barnard & Leas Mfg. Co. ("Eureka," "Hercules," Bran, Sugar & Cement, "Iron-Clad" & "Daisy" Flour), 403 20th, Moline, Ill.
Brown A. & F. Co. (Sugar Barrel Filling), 79 Barclay, New York.
Cardwell Mach. Co. (Tobacco), 1900 E Cary, Richmond, Va.
Gump B. F. Co., 431H S Clinton, Chicago, Ill.
Howes S. Co. Inc. (Cement), Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor," for Flour, Bran, Feed, Cotton Hulls, Cement, Lime, Paint & All Pulverized Minerals), Silver Creek, N. Y.
Invincible Grain Cleaner Co. ("Invincible" Cement, Flour, Bran, Corn Meal, Alfalfa, Lime, etc), Silver Creek, N. Y.
Modern Bag Co. (Cement, Plaster, etc), East Orange, N. J.
Nordyke & Marmon Co. (Bran, Flour, Sack, etc), Kentucky av & Morris, Indianapolis, Ind.
Peters Machinery Co., 231 W. Illinois, Chicago, Ill.
Premier Machinery Co., Oakland, Cal.
Richardson Scale Co. (Combined Scale Packers for Flour, Bran, Beet Pulp & Other Feeds), Passaic, N. J.
Robinson Mfg. Co. (Bag Packers), Muncy, Pa.
Ross Chas. & Son Co. (Barrel, etc), 148 Classon av, Brooklyn, N. Y.
SPROUT WALDRON & CO. (For Flour, Bran, Feed, etc.), Muncy, Pa.
See adv index at end of book
Unit Weighing & Packing System (for Baking Powder, Tea, Coffee, Cereals, etc), 200 Scott, cor. McHenry, Baltimore, Md.
United Iron Wks. Inc. (Cement), Kansas City, Mo.
U. S. Bottlers' Machinery Co. ("U. S." Talcum Powder), 2511 Park av, Chicago, Ill.
VALVE BAG CO. OF AMERICA (Bag Filling, Lime), 3440-3444 Summit av, Toledo, O. *See adv index at end of book*
Wolf Co., Chambersburg, Pa.

8688—Packing Machines (Cottonseed & Linseed Cake)

French Oil Mill Machinery Co., Piqua, O.

8689— Pail Handle Machines

Gerlach Peter Co., 1708 Columbus, Cleveland, O.
Goodspeed Machine Co., Winchendon, Mass.
Kline Lewis T., Alpena, Mich.

Pail Machinery

See Tub & Pail Machinery

8690—*Paint Can Machinery

Ams Max Machine Co. ("Ams"), 101 Park av, New York
See adv index at end of book
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book

8691-2—Paint Grinding & Mixing Machinery

See also Mills, Grinding; also Machinery, Pulverizing

ABBE PAUL O., INC. ("Abbebilt," Paint & Color), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*



75 SIZES

3

OPERATIONS IN ONE

Pre-Mixing—Grinding—Thinning

ABBÉ ENGINEERING CO

38 CHURCH ST. PHONE
NEW YORK CORTLANDT 0055

Acton John, 118 John, Brooklyn, N. Y.
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
BARTLETT & SNOW CO. C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
Bay Gottfried, 537 W 50th, New York
Connors Wm. Paint Mfg. Co., H, River, Troy, N. Y.
Day J. H. Co., Cincinnati, O.
Franklin Machine Co., Providence, R. I.
See adv index at end of book
Gaston's N. B. Sons Co. (Grinding), Beloit, Wis.
Holmes & Blanchard Co., 928 Broadiran Boston, Mass.
Kaestner & Hecht Co., 500 Throop, Chicago, Ill.
Kent Machine Works, 39 Gold, Brooklyn, N. Y.
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
National Engineering Co., 549 W Washington blvd, Chicago, Ill.
Manitowoc Engineering Works, Manitowoc, Wis.
Nebel M. A., 72 Grand av, Brooklyn, N. Y.
Patterson Fdry. & Mach. Co., E. Liverpool, Ohio
POOLE ENGINEERING & MACHINE CO., Woodberry, Baltimore, Md.
See adv index at end of book
Robinson H. Mfg. Co. (Dry Only), Muncy, Pa.
Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Union Engineering Co., Cuyahoga and W. 4th, Cleveland, O.
Waterville Fdry. & Mfg. Co., Waterville, N. Y.
Williams Patent Crusher & Pulverizer Co., 813 Montgomery, St. Louis, Mo.
Wilson Bros. (Dry Only), Easton, Pa.
See adv index at end of book

8693—Paint & White Wash Spraying Machines

See also Pneumatic Painting Machine

Albert Lea Sprayer Co., Albert Lea, Minn.
Bean Spray Pump Co. (White Wash Only), San Jose, Cal.
BINKS SPRAY EQUIPMENT CO., 3129 Carroll av, Chicago, Ill.
Brown E. C. Co. ("Auto-Spray"), Rochester, N. Y.
Decora Mfg. Co., 201 Nevin av, Richmond, Cal.
DEMING CO. ("Century," "Major," Multispra" Whitewashing), Salem,
See adv index at end of book
De Vilbiss Mfg. Co. ("De Vilbiss" System Pneumatic), 3762 Detroit, Toledo, Ohio
Dunn's Paint Machine Co. ("Dunn's"), 208 Mission, San Francisco, Cal.
Eclipse Air Brush Co., 79 Orange, Newark, N. J.
FOX M. EWING CO., 241 E 136th, New York
Hardie Mfg. Co. (Pneumatic), Hudson, Mich.
International Engineering Co. ("Autograph" & "Automatic" Paint Sprayers), 42 Exchange, Malden, Mass.
Koenigkramer F. & F. ("Paragon"), 1914 Western av, Cincinnati, O.
MacLeod Co. (" Buckeye "), 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Muralo Company ("Cyclo"), Rich. Ter., New Brighton, Borough of Richmond, N. Y.
Myers F. E. & Co. ("Myers," "Century," "Handy," "Hydraulic," "Duplex," Handle Automatic), 950 Orange, Ashland, O.
See adv index at end of book
Peerless Pneumatic Systems, Inc., 108 N Jefferson, Chicago, Ill.
SPRAY ENGINEERING CO. ("Spraco" Paint Gun), 62 High, Boston, Mass.
See adv index at end of book
Star Pointer Pump Mfg. Co., Menasha, Wis.
Vortex Mfg. Co. ("Vortex"), W 77th, Cleveland, Ohio

8694—Pamphlet Stitching Machines

See also Wire Stitching Machines

Brown R. H. & Co., 198H Brown, West Haven, Conn.
Rosback F. F. Co., Benton Harbor, Mich.

8695-6—Pan Cleaning & Greasing Machines

Gottschalk & Co. ("Standard," for Bakers) Reedsville, Pa.
Maag August Co., 509 W. Lombard, Baltimore, Md.

8697—Panel Raising Machines

Amer. Woodworking Machy. Co., Rochester, N. Y.
Cordesman Rechtin Co., Butler, Cincinnati, O.
Falls Machine Co., Sheboygan Falls, Wis.
Fay J. A. & Egan Co., Cincinnati, O.
Hall & Brown Woodworking Machine Co., 1911 N Broadway, St. Louis, Mo.
Smith & Phillips Mfg. Co., 30 N Jefferson, Chicago, Ill.

8698— Pantograph Machines

Hope John & Sons Engraving & Mfg. Co., 1 Mashapaug, Providence, R. I.
Keller Mechanical Engraving Co., 70 Washington, Brooklyn, N. Y.

8699-700—Paper Bag Machinery

Brown Bag Filling Machine Co. (Making, also for Filling & Sealing Flat Paper Bags), Fitchburg, Mass.
Bond Bros. (Carton), Ednor, Md.
Lockport Machine Co. (Flat & Square), Lockport, N. Y.
Potdevin Machine Co., 1221 38th, Brooklyn, N. Y.
Smith & Winchester Mfg. Co. (Cement, Flour, etc), South Windham, Conn.

8701—Paper Board Printing Machines

Beck, Chas. Machine Co., 607 Chestnut, Phila., Pa.
Hotchkiss Sales Co., Norwalk, Conn.
Langston Sam'l M, 6th & Jefferson, Camden, N. J.

8702—Paper Bottle Cap Machinery

Swift Geo. W. Jr., Bordentown, N. J.

8703—Paper Box, Corner Cutting Machines

Beck, Chas. Machine Co., 607 Chestnut, Phila., Pa.
Hobbs Mfg. Co., 26 Salisbury, Worcester, Mass.
Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.

8704—Paper Box Corner Staying Machines

Beck, Chas. Machine Co., 607 Chestnut, Phila., Pa.
Hobbs Mfg. Co., 26 Salisbury, Worcester, Mass.
Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.

8705—Paper Box Covering Machines

Beck, Chas. Machine Co., 607 Chestnut, Phila., Pa.
Hobbs Mfg. Co., 26 Salisbury, Worcester, Mass.
Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.
New Jersey Machine Corp, Hoboken, N. J.
Stokes & Smith Co., Summerdale Sta., Phila., Pa.

8706—Paper Box Cutting & Scoring Machines

Beck, Chas. Machine Co., 607 Chestnut, Phila., Pa.
Herrick & Cowell (Rotary), New Haven, Conn.
Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.
Langston Sam'l M., 6th & Jefferson, Camden, N. J.
Latham Machinery Co. ("Monitor") 1153 Fulton, Chicago, Ill.

8707—Paper Box Edging Machines

Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.
Latham Machinery Co. ("Monitor"), 1153 Fulton, Chicago, Ill.

8708—Paper Box Ending Machines

Beck, Chas. Machine Co., 607 Chestnut, Phila, Pa.
Hobbs Mfg. Co., 26 Salisbury, Worcester, Mass.
Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.

8709—Paper Box Folding & Glueing Machines

Beck, Chas. Machine Co., 607 Chestnut, Phila, Pa.
Herrick & Cowell (Hand Fed), New Haven, Conn.
Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.
New Jersey Machine Corp, Hoboken, N. J.
Peters Machinery Co., 4700 Ravenswood av, Chicago, Ill.

8710—Paper Box Forming Machines

Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.
New Jersey Machine Corp, Hoboken, N. J.
PETERS MACHINERY CO., 4700 Ravenswood av, Chicago, Ill.

8711—Paper Box Gumming Machines

Beck, Chas. Machine Co., 607 Chestnut, Phila, Pa.
Hobbs Mfg. Co., 26 Salisbury, Worcester, Mass.
Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.

8712— Paper Box Machinery

Beard Machine Co., Inc., 350 Walton av, New York
Beck, Chas. Machine Co., 607 Chestnut, Phila, Pa.
Griswold Geo. M. Machine Co., Bradby & William, New Haven, Conn.
Herrick & Cowell, New Haven, Conn.
Hobbs Mfg. Co. (Folding Machines), 26 Salisbury, Worcester, Mass.
Inman Mfg. Co., Amsterdam, N. Y.
International Paper Box Mach. Co., Nashua, N. H.
Jacques John & Son, 93 Webster, Worcester, Mass.
Kingsbury & Davis Machine Co. ("Standard" Automatic Double End Setting), Contoocook, N. H.
Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.
Langston Samuel M. Co., Camden, N. J.
Latham Machinery Co., 1153 Fulton, Chicago, Ill.
Marshall Soh & Co. (Guage Table Shears, etc), 226 Purchase, Boston, Mass.
National Metal Edge Box Co., 1217 Callowhill, Phila., Pa.
New Jersey Machine Corp, Hoboken, N. J.
Rau Emanuel (Embossing), 30 Church, New York.
Robinson John T. Co., Hyde Park, Mass.
Saranac Machine Co. ("Advance" Stapling Machines), Benton Harbor, Mich.
Sheridan T. W. & C. B. Co., 401 Broadway, New York
Snedden Machine Works, 1972 S Los Angeles, Los Angeles, Cal.
Staude E. G. Mfg. Co., St. Paul, Minn.
Stokes & Smith Co., Summerdale Sta, Phila., Pa.
Swift Geo. W. Jr. Bordentown. N J.

8713—Paper Box Printing Machines

Kidder Press Co. (For Cartons), Dover, N. H.

8714—Paper Box Sealing Machines

Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.
New Jersey Machine Corp, Hoboken, N. J.
Union Engineering Co., Cuyahoga & W 4th, Cleveland, O.

8715—Paper Box Thumbhole Machines

Beck, Chas. Machine Co., 607 Chestnut, Phila, Pa.
Hobbs Mfg. Co., Worcester, Mass.
Knowlton M. D. Co., 26 Elizabeth, Rachester, N. Y.
Stokes & Smith Co., Summerdale, Phila., Pa.

8716—Paper Box Topping Machines

Mayer Coating Machine Co. (Waxed), 187 N Water, Rochester, N. Y.
Moore & White Co., N 15th & Lehigh av, Phila., Pa.
Waldron John Co., New Brunswick, N. J.

8717—Paper Box Wire Stitching Machines

Edwards W. W., 716 N Main, Los Angeles, Cal.
Latham Machinery Co. ("Monitor"), 1153 Fulton, Chicago, Ill.

8718—Paper Box Wrapping Machines

Beck, Chas. Machine Co., 607 Chestnut, Phila., Pa.
New Jersey Machine Corp, Hoboken, N. J.
PETERS MACHINERY CO., 4700 Ravenswood av, Chicago, Ill.

8719—Paper Calendering Machines

Clark H. C. & Son Machine Co., Lee, Mass.
Dowingtown Mfg. Co., East Dowingtown, Pa.
Norwood Engineering Co., Florence, Mass.

8720— Paper Can Machinery

Beck, Chas. Machine Co., 607 Chestnut, Phila., Pa.
Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.
Langston Sam'l M., 6th & Jefferson, Camden, N. J.
Leffler Chas. & Co. (Spiral Wound), 59 Clymer, Brooklyn, N. Y.

8721—Paper Clip & Fastener Machines

Automatic Pencil Sharpener Co., 58 E Washington, Chicago, Ill.
Baird Machine Co. (Automatic), Stratford av, Bridgeport, Conn.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Nilson A. H. Machine Co. (Automatic), 55 William, Bridgeport, Conn.
Special Machinery Co. (Automatic), 38 Remer, Bridgeport, Conn.

8722—Paper Coating Machines

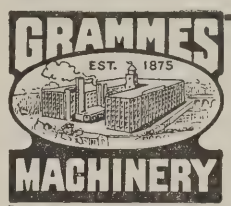
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Knowlton M. D. Co. (Silicate of Soda & Tint Solutions), 26 Elizabeth, Rochester, N. Y.
Mayer Coating Machine Co. (Waxed), 187 N Water, Rochester, N. Y.
Moore & White Co., N 15th & Lehigh av, Phila., Pa.
Waldron John Co., New Brunswick, N. J.

8723—Paper Covering Machines

Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.
Watson Machine Co., Paterson, N. J.

8724—Paper Cutting Machines

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co. (Paper Scrap), 38 Church, New York
See adv index at end of book
Artos Engineering Co., 806 Milwaukee, Milwaukee, Wis.
Beck, Chas. Machine Co., 607 Chestnut, Phila., Pa.
Beloit Iron Works, Beloit, Wis.
Black-Clawson Co. ("Perfect"), Hamilton, O.
Central Machine Co., Niagara Falls, N. Y.
Challenge Machy. Co. ("Advance", "Diamond" Lever & Power), Grand Haven, Mich.
Champion Paper Cutter Co., Piqua, O.
Chandler & Price Co. (Lever & Power), 6000 Carnegie av, Cleveland, O.
Clark H. C. & Son Machine Co. (Revolving for Paper Mills), Lee, Mass.
Dexter Folder Co., 28 W. 23rd, New York
Dillon Machine Co. (Horizontal & Vertical, Single, Double Cutters), Lawrence, Mass.
Fuller E. C. Co. ("White"), 28 Reade, New York
Golding Mfg. Co., Franklin, Mass.
Grammes L. F. & Sons, 311 Union, Allentown, Pa.
See adv index at end of book



Paper Cutters, Nailing Mach., Printing Mach., Brush Mach., Cigar Box Mach., Machines for all Wood and Paper Working Safety Devices, Rebuilt Mach.
L. F. GRAMMES & SONS, INC.
365 Union Street Allentown, Pa.

Hamblet Mach. Co. (Revolving), Lawrence, Mass.
Highland Mach. Co. ("National"), 58 Kemble, Rox., Boston, Mass.
Inman Mfg. Co., Amsterdam, N. Y.
Interstate Machy Co., Troy, N. Y.
Jasques Jno. & Son (14-inch Long), 93 Webster, Worcester, Mass.
Kidder Press Co., Dover, N. H.
Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.
Langston Samuel M. Co. (Rotary, for Fine Card Work), Camden, N. J.
Rice Barton & Fales Inc. ("Hill" Diagonal; also Revolving), 65 Taintor, Worcester, Mass.
Seybold Machine Co., Dayton, O.
Sheridan T. W. & C B. Co., 401 Broadway, New York
Smith & Winchester Mfg. Co. (Undercut Trimmer for Paper Mills), S Windham, Conn.
Standard Machy. Co. ("Keystone"), Mystic, Conn.

8725—Paper Feeding Machines

Cross Paper Feeder Co., 185 Summer, Boston, Mass.
Dexter Folder Co., 28 W. 23rd, New York
Hickok W. O. Mfg. Co. (Automatic), Harrisburg, Pa.
United Printing Machinery Co. (Automatic), 87 Broad, Boston, Mass.

8726—Paper Folding Machines

(For Bookbinders, Printers, Etc.)

American Folding Machine Co. ("American"), Warren, O.
Borden Co., The, Warren, O.
Cleveland Folding Machine Co. ("New Idea"), 1931 E 61st, Cleveland, O.
Colton Arthur Co., 2600H E. Jefferson, Detroit, Mich.
Dexter Folder Co., 28 W. 23rd, New York
Dillon Mach. Co. ("Brannan"), Lawrence, Mass.
Eclipse Machine Co., Sidney, O.
Fuller E. C. Co., 28 Reade, New York
Hall A. W. & Co., 216 N Clinton, Chicago, Ill.
Herrick Chas. E., Northampton, Mass.
Liberty Folder Co. ("Liberty"), Sidney, Ohio
Mentges Folder Co., Sidney, O.

(Continued on following page)

Paper Folding Machines—Continued

Norwod Engineering Co. ("American"), Florence, Mass.
Omaha Folding Machine Co., Omaha, Neb.
Sheridan T. W. & C. B. Co., 401 Broadway, New York

8727—Paper-Making Machines

Bagley & Sewall Co., Dept H, Watertown, N. Y.
Beloit Iron Works, Dept H, Beloit, Wis.
Blacks-Clawson Co., Dept H, Hamilton, O.
Downingtown Mfg. Co., East Downingtown Pa.
Emerson Mfg. Co., Dept H, Lawrence, Mass.
Horne J. H. & Sons Co., Dept H, Lawrence, Mass.
Kinmont Mfg. Co., 5420 Santa Fe av, Los Angeles, Cal.
McKim Foundry & Machine Co. (Miniature for Laboratories, Color Mfrs., etc.), Dept H, Lockport, N. Y.
Moore & White Co., Dept H, N. 15th & Lehigh av, Phila., Pa.
Philadelphia Coppersmithing Co., 808 N Front, Philadelphia, Pa.
Pusey & Fones (12" to 250" Wide, News Print, Book Writing Board, "Yankee," "Cylinder," Harper & Fourdrinier Types), H, Poplar, Wilmington, Del.
Rice Barton & Fales Inc., Taintor, Worcester, Mass.
Sandy Hill Iron & Brass Works (Special), Hudson Falls, N. Y.
Smith & Winchester Mfg. Co., Dept H, South Windham, Conn.

8728—Paper Milk Bottle Machinery

Burpee & Letson, Ltd., Bellingham, Wash.

Paper Mill Machinery

See Paper & Pulp Mill Machy.

8729—Paper Napkin Machinery

Waldron John Co., New Brunswick, N. J.

8730-1—Paper Punching Machinery

See also Perforating Machines

Hinze H., 460 W 149th, New York.
Knowlton M. D. Co. (Also Cardboard, Asbestos, etc), 26 Elizabeth, Rochester, N. Y.
Langston Sam'l M., 6th & Jefferson, Camden, N. J.
Latham Machinery Co. ("Monitor" Duplex & Multiplex), 1152 Fulton, Chicago, Ill.
Rosback F. P. Co., Benton Harbor, Mich.
Sheridan T. W. & C. B. Co., 401 Broadway, New York
Southworth Machine Co. ("Southworth" Hand & Foot Power & "Portland" Multiple Foot & Power), Portland, Me.

8732—Paper Rewinding Machines

See also Paper Slitting & Re-winding Machine

Beck, Chas. Machine Co., 607 Chestnut, Phila., Pa.
Downington Mfg. Co., East Downington, Pa.
Hagerstown Foundry & Machine Co., Hagerstown, Md.
Kidder Press Co., Dover, N. H.
Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.
Langston Sam'l M., 6th & Jefferson, Camden, N. J.
Rice, Barton & Fales, Inc., 65 Taintor, Worcester, Mass.
Ticonderoga Machine Works ("Warren," Double Drum), Ticonderoga, N. Y.

8733—Paper Rule Forming Machines

Herrick & Cowell, New Haven, Conn.

8734—Paper Ruling Machines

Dewey F. E. & B. A., 304 Plainfield, Springfield, Mass.
Hickok W. O. Mfg. Co., Harrisburg, Pa.

8735—Paper Saturating, Coating & Water-proofing Machines

Moore & White Co., N 15th & Lehigh, Phila., Pa.

Paper Scoring Machines

See paper Box Cutting & Scoring Machines

8736—Paper Shipping Case Machinery

Beck, Chas. Machine Co., 607 Chestnut, Phila., Pa.

8737—Paper Slitting & Rewinding Machines

American Machine Co., Newark, Del.
Beck, Chas. Machine Co., 607 Chestnut, Phila., Pa.
Beloit Iron Works (Rewinders), Beloit, Wis.
Black-Clawson Co., Hamilton, O.
Cameron Machine Co., 61 Poplar, Brooklyn, N. Y.
See adv index at end of book

SLITTING and ROLL-WINDING MACHINES
REWINDERS WINDERS
CAMERON MACHINE CO.
BROOKLYN, N. Y.

Central Machine Co., Niagara Falls, N. Y.
Clark H. C. & Son Machine Co., Lee, Mass.
Dietz Machine Works, 126 Fontaine, Phila., Pa.
Fales L. F. (Paper Slitting), Walpole, Mass.
Griswold George M. Machine Co. (Rotary Sheet Slitting, etc), Bradby & William, New Haven, Conn.
Hamblet Machine Co. (Top Slitters), Lawrence, Mass.
Hobbs Mfg. Co., 26 Salisbury, Worcester, Mass.
Jacques Jno. & Son (For Paper Box Covering & Trimming), 93 Webster, Worcester, Mass.
Kidder Press Co., Dover, N. H.
Knowlton M. D. Co. (Also Cardboard), 26 Elizabeth, Rochester, N. Y.
Koegel Chas. & Sons, Holyoke, Mass.
Krauth & Benninghofen (Slitters), Hamilton, O.
Langston Sam'l M., 6th & Jefferson, Camden, N. J.
Marshall Son & Co. (For Roll Paper), 226 Purchase, Boston, Mass.
Meisel Press Mfg. Co., 942 Dorchester av, Boston Mass.
Moore & White Co., N 15th & Lehigh av, Phila., Pa.
Phoenix Gage Co., Phoenix, N. Y.
Rice Barton & Fales Inc., 65 Taintor, Worcester, Mass.

8738—Paper Stapling Machines

Acme Staple Co. (Ltd.), (For Bookbinders), Camden, N. J.
Grammes L. F. & Sons ("Double Action"), 311 Union, Allentown, Pa.
See adv index at end of book
Hotchkiss Sales Co. ("Hotchkiss"), Norwalk, Conn.

Paper Stock Cutting Machines

See Rag Cutting Machines

8739—Paper Stock Thickening Machines

Ticonderoga Machine Works ("Improved"), Ticonderoga, N. Y.

8740—Paper Tapeing Machines

New England Butt Co. (For Covering Wire with Paper), 304 Pearl, Providence, R. I.

8741—Paper Towel Machinery

Dietz Machine Works (Perforating, Slitting & Rewinding), 126 Fontaine, Phila., Pa.

8742—Paper Tube Machines

Beck, Chas. Machine Co. (Rolling & Cutting), 607 Chestnut, Phila., Pa.
Dietz Machine Works, 126 Fontaine, Phila., Pa.
Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.
Langston Sam'l M., 6th & Jefferson, Camden, N. J.
Leffler Chas. & Co. (Special Wound), 59 Clymer, Brooklyn, N. Y.

8743—Paper Twine & Cordage Machinery

Brownell G. L., 49 Union, Worcester, Mass.

8743a—Paper Waxing Machines

International Paper Box Mach. Co., Nashua, N. H.
Knowton M. D. Co., 26 Elizabeth, Rochester, N. Y.
Rice Barton & Fales Inc., 65 Taintor Worcester, Mass.

8744—Paper & Pulp Mill Machinery

Appleton Machine Co., Appleton, Wis.
Bagley & Sewall Co., Watertown, N. Y.
Baker Mfg. Corp., Saratoga Springs, N. Y.
Bakers Sons J. & Perkins Co. Inc., Dept. H, White Plains, N. Y.
Beloit Iron Works, Beloit, Wis.
Bigelow-Cheney Wire Works, 417 Liberty, Springfield, Mass.
BIGGS BOILER WORKS CO. (Rotary Bleaching Boilers), Case av & Williams, Akron, O.
See adv index at end of book
Bird Machine Co., East Walpole, Mass.
Black-Clawson Co., Hamilton, O.
Bolton John W. & Sons, Inc., Lawrence,
Bowes Walter H. Co. Inc. ("Dodge Gravity Evacuator"), 10H Hoyt, Norwalk, Conn.
Cameron Mach. Co. (Slitting & Roll Winding Machines Only), 61 Poplar, Brooklyn, N. Y.
Carthage Machine Co., Carthage, N. Y.
Clark H. C. & Son Machine Co., Lee, Mass.
DAYTON BEATER & HOIST CO., 24 N Canal, Dayton, O.
Dayton Globe Iron Works Co., Dayton, O.
Dillon Machine Co., Lawrence, Mass.
Dilts Machine Works, (Inc.), Fulton, N. Y.
Dix Chas. B., Glens Falls, N. Y.
Dorr Co. (Causticizing Equipment), 1009 17th, Denver, Colo.
DOWNINGTOWN MFG. CO., East Downingtown, Pa.
Emerson Mfg. Co., Lawrence, Mass.
FABREEKA BELTING CO. (Fabreeka for paper mills), 120 High st, Boston, Mass.
See adv index at end of book
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Franklin Machine Co., Providence, R. I.
See adv index at end of book
Fulton Machine & Vise Co., Lowville, N. Y.
Glens Falls Machine Works, Glens Falls, N. Y.
Hankey A. & Co. (Paper Mill Engines, Bars & Plate), Bourse, Phila., Pa.
Herman Mfg. Co., Lancaster, Pa.
Holyoke Machine Co., Holyoke, Mass.
Horne J. H. & Sons Co. (Paper Mill Machy.), Lawrence, Mass.
HYDRAULIC PRESS MFG. CO. (Hydraulic, "HPM"), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*
Improved Paper Machinery Co., Nashua, N. H.
International Process & Engrg. Co., 42 Broadway, New York
Jolly J. & W., Holyoke, Mass.
Jones E. D. & Sons Co., Pittsfield, Mass.
Kaukauna Machine Works, Kaukauna, Wis.
Knowlton M. D. & Co., 26 Elizabeth, Rochester, N. Y.
Koegel Chas. & Sons (Paper Slitters, Slitter Grinders & Slitter Blades), Holyoke, Mass.
Langston Sam'l M., 6th & Jefferson, Camden, N. J.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Mills Machine Co., Lawrence, Mass.
Moloch Co., Kaukauna, Wis.
Moore & White Co., N 15th & Lehigh, Phila., Pa.
Murray D. J. Mfg. Co., Wausau, Wis.
Noble & Wood Machine Co., Hoosick Falls, N. Y.
Norwood Engineering Co. (Paper Finishing Machinery), Florence, Mass.
Penney J. W. & Son Co., Mechanic Falls, Me.
Perkins B. F. & Son, Holyoke, Mass.
Philadelphia Coppersmithing Co., 808 N Front, Philadelphia, Pa.
Portland Co., Portland, Me.
Portland Iron Works, 495 Northrup, Portland, Ore.
Pusey & Jones Co., Wilmington, Del.
Rice Barton & Fales Inc. ("Launoye"), 65 Taintor, Worcester, Mass.
Sandusky Foundry & Machine Co., Sandusky, O.
Sandy Hill Iron & Brass Works, Hudson Falls, N. Y.
Scott Olin (Est. of), (Wood Pulp), Bennington, Vt.
Shartle Bros. Machine Co., Middletown, Ohio
Smith & Winchester Mfg. Co., South Windham, Conn.
Stellman L. H. & Son, Brattleboro, Vt.
Thompson Mfg. Co., Lancaster, N. H.
Ticonderoga Machine Works, Ticonderoga, N. Y.
Union Iron Works, Bangor, Me.
Union Machine Co., Fitchburg, Mass.
Valley Iron Works Co., Appleton, Wis.
Watson Frye Co., Ltd., Bath, Me.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Witham Co., Hoosick Falls, N. Y.

8745—Papering Machines

Abbe Paul O. Inc., 71A Murray, New York
See adv index at end of book
Beck, Chas. Machine Co., 607 Chestnut, Phila., Pa.
Knowlton M. D. Co. (Paper Box), 26 Elizabeth, Rocheseter, N. Y.

8746—Paraffine Wax Machinery

Bethlehem Shipbuilding Corp., Ltd., Dept H, Broadhead & Parker av, Bethlehem, Pa.
Knowlton M. D. & Co., 26 Elizabeth, Rochester, N. Y.
Patterson Foundry & Machine Co., East Liverpool, O.

8747— Paraffining Machines

Black-Clawson Co. (Saturating for Sheets), Hamilton, O.
Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.
Waldron Jno. Co., New Brunswick, N. J.

8748—Paste Mixing Machines

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Acton John, 118 John, Brooklyn, N. Y.
Day J. H. Co., Cincinnati, O.
Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
National Engineering Co., 549 W Washington blvd, Chicago, Ill.
Ross Chas. & Son., 148 Classon av, Brooklyn, N. Y.

8749— Pasteurizing Machines

Barry-Wehmiller Machinery Co. ("National"), 4660 Florissant av, St. Louis, Mo.
Hydraulic Press Mfg. Co. ("Mt. Gilead"), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book
Loew Mfg. Co. ("New Era," "Monitor," Beer; also "In-the-Bottle"-Milk), 9100 Madison av, N W, Cleveland, O.
Magnus A. Sons Co. ("Ruff Simplex" Auto Positive), 327 W Randolph, Chicago, Ill.
Meyer Geo. J. Mfg. Co. ("Meyerbilt"), 593 Clinton, Milwaukee, Wis.
Premier Machinery Co., Oakland, Cal.
Twentieth Century Machinery Co., Nat'l Bk. bldg, Milwaukee, Wis.

8750— Pasting Machines

Black-Clawson Co. (Sheet & Roll) Hamilton, O.
Potdevin Machine Co., 253 36th, Brooklyn, N. Y.
Prior A. G. (Inc.) (Universal"), 665 Broad, Newark, N. J.

8751-2—Pasting Machines (Paper, Cloth, Leather, Etc.)

Knowlton M. D. Co. (Also Cardboard), 26 Elizabeth, Rochester, N. Y.

Pattern Letter Plate Embossing Machines

See Presses, Type Embossing

Pattern Makers' Machinery

See Lathes, Pattern Makers'

8753—Pattern Shop Sawing Machines

Baker Bros., Toledo, O.
Hobbs Mfg. Co., 26 Salisbury, Worcester, Mass.
Madsen Iron Works, 5529 Bicket, Huntington Park, Cal.
Oliver Machinery Co. (Band Saws), Grand Rapids, Mich.

8753a—Paving Machinery (Asphalt Plant)

See also Asphalt Machy. in this section
Cummer F. D. & Son Co., H, Hanna bldg, Cleveland, O.
Geiger Iron Works, Scott & Union, Stockton, Cal.

8754—Pea Canners' Machinery

Anderson-Barngrover Mfg. Co. (Pressure Cooker), 333 St. Julian, San Jose, Cal.
Invincible Grain Cleaner Co. ("Invincible"), Silver Creek, N. Y.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
Premier Machinery Co., Oakland, Cal.
Robins A. K. & Co., 116 Market pl, Baltimore, Md.
Sprague Canning Machinery Co. (For Canners), 222 N Wabash av, Chicago, Ill.

8755—Pea Feeding Machines

White I. N., Mount Morris, N. Y.

Pea Harvesting Machinery

See Harvesters, Bean & Pea

8756—Pea Hulling Machinery

See Hullers, Bean & Pea

Chisholm-Scott Co., Cadiz, O.

8757—Peach Pitting Machines

California Canning Machinery Co., 776 W 10th, Riverside, Cal.
Sprague-Sells Corp. (For Canners), 508 N Dearborn, Chicago, Ill.
Vernon Commercial Co. ("Cummins"), 3030 S Main, Los Angeles, Cal.

8758—Peanut Butter Machinery

Burns Jabez & Sons, 11th av & 48rd, New York
Sprague-Sells Corp., 508 N Dearborn, Chicago, Ill.

8759— Peanut Machinery

Appomatox Iron Works & Supply Co., Petersburg, Va.
Ayers J. R. Petersburg, Va.
Cardwell Machine Co. (Pickers & Cleaners, Shellers & Separaters), 1900 E Cary, Richmond, Va.
Davidson & Kennedy Co., 872 N Ashley, Atlanta, Ga.
Howes S. Co. Inc. (For Cleaning, Grading & Separating), Silver Creek, N. Y.
Huntley Mfg. Co., ("Monitor" Cleaning, Grading, Separators, Aspirators), Silver Creek, N. Y.
Huston Tom Mfg. Co., Dept H, Columbus, Ga.
Johnson & Field Mfg. Co., Racine, Wis.
Lambert Machine Co. (Butter), Marshall, Mich.
Stratton & Bragg Co. (Picker, Cleaners, etc.), Petersburg, Va.
Straub A. W. Co., 3741 Filbert, Phila., Pa.

Peanut Roasting Machines

See Coffee, Peanut & Cocoa Bean Roasting Machines

8760—Pearl Button Machinery & Tools

Holub-Dusha Co., 1799 1st av, New York

8760a—Pearling Machinery (Barley, Pepper, Etc.)

Bartlett C. O. & Snow Co., French, Cleveland, O. *See adv index at end of book*

8760b—Peat Excavating Machinery

Buckeye Traction Ditcher Co., Findlay, O.

8761—Peat Fuel Machinery

American Process Co., 68 William, New York
Buckeye Traction Ditcher Co. (Excavating for Fertilizer Filler, Peat Fuel and other Peat Products), Findlay, O.
Manitowoc Engng. Works, Manitowoc, Wis.
MITTS & MERRILL, 1939 S. Water, Saginaw, Mich.

Peeling Machines (Fruit & Vegetable)

See Parers, Fruit & Vegetable

8762— Perforating Machines

American Perforator Co. ("American" for Dating, Canceling, Numbering, Receipting, etc.), 625 W Jackson blvd, Chicago, Ill.
Asam Bros., Phila., Pa.
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Burton A. G. Son ("Universal-Peerless"), 118 S Clinton, Chicago, Ill.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Cummins Perforator Co. ("Chicago" Hand, for Check), R. R. Ticket Dating, etc), 4740 W. Ravenswood av, Chicago, Ill.
Durbrow & Hearne, 12 Wooster, New York
Globe-Wernicke Co. (The), 25 Carthage av, Cincinnati, Ohio
See adv index at end of book
Kahan Mach. Works, 12 N Market, Chicago, Ill.
Latham Machinery Co. ("Monitor," for Paper, etc), 1153 Fulton, Chicago, Ill.
Leabarjan Mfg. Co. (Music Roll), Hamilton, O.
Long & Allstatter Co. (Sheet Metal), Hamilton, O.
See adv index at end of book
Perforated Pattern Co. (Embroidery), 32 E 22nd, New York
Roberts Numbering Machine Co., 706 Jamaica av, Brooklyn, N. Y.
Rosback F. P. Co. (Paper), Benton Harbor, Mich.
Stimpson Edwin B. Co. (Large, for Check Books, Stamps, Etc.), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Tatum Sam'l C. Co. (Paper), Cincinnati, O.

8763—*Petroleum Can Machinery

AMS MAX MACHINE CO., 101 Park av, New York *See adv index at end of book*



AMS
Automatic Machinery for Petroleum Cans
All Shapes-All Sizes
High Speed
Labor Saving
Write for Catalog

BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.

8764—Pharmaceutical Machinery

Abbe Paul O. Ins. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
ABBE ENGINEERING CO., 38 Church, New York *See adv index at end of book*
Bakers Sons J. & Perkins Co. Inc., Dept. H, White Plains, N. Y.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Colton Arthur C., 2600H E. Jefferson, Detroit, Mich.
PROCTOR & SCHWARTZ, INC., 7th & Tabor rd, Phila., Pa.
Stokes F. J. Machine Co. (Dryers, Stills, Kettles, Mills, Emulsifiers, Tablet, Pill & Capsule Machy., etc.), 6138 Tabor, Phila., Pa.
Superior Mach. & Engng. Co., 51 E Fort, Detroit, Mich.

8765—Phosphate Machinery

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Allis-Chalmers Mfg. Co. (Rock, Crushing & Pulverizing), Milwaukee, Wis.
See adv index at end of book
Georgia Iron Works (Mining), Augusta, Ga.
Holmes & Blanchard Co., 928 Broadiran, Boston, Mass.
Ocala Iron Works, Ocala, Fla.
POOLE ENGINEERING & MACHINE CO., Woodberry, Baltimore, Md.
See adv index at end of book
Riley John F. Fndry & Mach. Co., Charleston, S. C.
Rourke Jno & Sons, 602 E Bay, Savannah, Ga.
Walker & Elliot, Wilmington, Del.

8766—Photo Engravers' Machinery

Ostrander-Seymour Co., 7 S Dearborn, Chicago, Ill.
Royle John & Sons, Paterson, N. J.
Wesel F. Mfg. Co., 70 Cranberry, Brooklyn, N. Y.

8767—Photo Mount Beveling Machines

Dietz Mach. Works, 126 Fontaine, Phila., Pa.

8768—Photograph Card Beveling Machines

Dietz Mach. Works, 126 Fontaine, Phila., Pa.

8769— Photograph Machines

Chicago Ferrotype Co. ("Wonder Cannon" & Cameras "One Minute"), 1422 W Randolph, Chicago, Ill.

8770—Photographic Copying Machines

Cameragraph Co. ("Cameragraph"), 411 E 8th, Kansas City, Mo.
Machine Mfg. & Engineering Co., Council Bluffs, Ia.
Photostat Corp. ("Photostat"), Grosvenor bldg., Providence, Rd.
Rectigraph Co. ("Rectigraph"), Rochester, N. Y.

8771—Piano Action Machinery

Baird Machine Co., Stratford av, Bridgeport, Conn.
Howes Forest E., 263 Northampton, Boston, Mass.
Nilson A. H. Machine Co. (Semi-Automatic), 55 William, Bridgeport, Conn.
Redin-Ekstrom & Co., 1439 Railroad av, Rockford, Ill.
See adv index at end of book

8772—Pick Eye Forging Machines

Birmingham Iron Foundry, Derby, Conn.
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Williams White & Co., 301 8th, Moline, Ill.

8773—Picket Heading & Pointing Machines

Chapman's T. M. Sons Co., Old Town, Me.
Hall & Brown Woodworking Machine Co., 1911 N B'way, St. Louis, Mo.
Yates P. B. Machine Co., Beloit, Wis.

8773a—Pickling Equipment Machines (Monel Metal)

Chicago Vitreous Enamel Products Co., Cicero, Ill.
Ferro Enamel Supply Co., 815 Finance bldg, Cleveland, Ohio
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Munning & Co., A. P., Matawan, N. J.
Taylor Disc Machine Co., Mansfield, O.
U. S. Galvanizing Corp., 31 Stockton, Brooklyn, N. Y.

8774— Pickling Machines

Aetna Foundry & Machine Co. (The), Warren, O.
Anderson Foundry & Machine Works (Tin Plate), Anderson, Ind.
Howard Iron Works (Metal-Goods Washing & Pickling), Buffalo, N. Y.
Mesta Machine Co. ("Mesta" Patented), Box 1124, Pittsburgh, Pa.
See adv index at end of book

Mesta Machine Company
Pittsburgh, Pa., U. S. A.

8775—Picture Frame Machinery

Rockford Mitre Box Co. ("Star"), Rockford, Ill.

8776—Pie Making Machines (Automatic)

Colborne Mfg. Co., 157 W Division, Chicago, Ill.

8777—*Pieced Tinware Machinery

Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.

8778—Pig Iron Casting Machines

Weimer Machine Works Co., Lebanon, Pa.

8779—Pill Coating Machines

Colton Arthur Co. (Automatic), 2600H E. Jefferson, Detroit, Mich.
Stokes F. J. Machine Co., 6138 Tabor, Phila., Pa.

8780—Pill Making Machines

See also Tablet Machines
Colton Arthur Co. (Automatic), 2600H E. Jefferson, Detroit, Mich.

Pin Machinery

See Hook & Eye Machines

8781—Pin Pointing Machinery

Baird Machine Co. ("Automatic"), Stratford av, Bridgeport, Conn.
Mannville E. J. Mach. Co., Waterbury, Conn.
Nilson A. H. Machine Co. (Automatic), 55 William, Bridgeport, Conn.

8782—Pin Sticking Machines

Baird Machine Co. ("Automatic"), Stratford av, Bridgeport, Conn.

8783— Pineapple Machinery

Lewis E. J. (Peelers, Corers & Sizers), Middleport, N. Y.
Mitchell Jno. R. Co. (Graters, Sizes, etc), 702 S Washington, Baltimore, Md.
Premier Machinery Co., Oakland, Cal.
Sprague-Sells Corp. (For Canners), 508 N Dearborn, Chicago, Ill.
Stevenson & Co., 607 S Caroline, Baltimore, Md.
Zastrow Geo. W., 1410 Thames, Baltimore, Md.

8784-5—Pinion Cutting Machines

See also Gear Cutting Machines
Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.

8786—Pinion & Wheel Cutting Machines

Stark Tool Co. (Cuts from 1-16 to 4 inches in Diameter), Waltham, Mass.

8787—Pinking & Scalloping Machines

Ahlstrom O. J., 711 B'way, New York
Durbrow & Hearne Mfg. Co., 12 Wooster, New York
Lindner & Vradenburgh (Pinking), 239 Centre, New York
Osborne C. S. & Co. ("C. S. O. & Co." for Harness Makers, etc), Box 133, Newark, N. J. ***See adv index at end of book***
Smith & Winchester Mfg. Co., South Windham, Conn.

8788—Pipe Bending Machines

American Pipe Bending Machine Co. ("Wonder"), 39 Pearl, Boston, Mass.
Columbus Mach. Wks. ("Columbus" Folding & Portable), Columbus, Ind.
Hydraulic Press Mfg. Co., 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book
Pipe Machy. Co. (Pipe Mill), 930 E 70th, Cleveland, O.
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book
Standard Engineering Co., Elwood City, Pa.
Underwood H. B. Corp., 1025 Hamilton, Phila., Pa.
U. S. Pipe Bending Co., 315 Howard, San Francisco, Cal.
Wallace Supplies Mfg. Co. (Hand Power), 1312 Diversey Pkway., Chicago, Ill.
Walworth Mfg. Co., Boston, Mass.
Wells Frank L. Co. ("Simmons," for Brass & Steel Pipe), Kenosha, Wis.

8789—Pipe Calking Machines

Smith A. P. Mfg. Co. ("O'Neill" Steam), East Orange, N. J.

8790—Pipe Crushing & Shearing Machines (Combined)

United Engineering & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.

8791—Pipe Cutter & Die Grinding Machines

See also Grinders, Die
Bignall & Keeler Mfg. Co. ("B. & K."), Edwardsville, Ill.
Cox & Sons Co., 5th & Chestnut, Phila., Pa.
Los Angeles Valve & Fittings Co., 2741 Compton, Los Angeles, Cal.
Murchey Machine & Tool Co., 85 Porter, Detroit, Mich.

8792—Pipe Cutting & Threading Machines

See also Cutters, Pipe
Albert & Davidson Pipe Corp., 256-264 Oakland, Brooklyn, N. Y.
See adv index at end of book
Armstrong Mfg. Co. ("Armstrong"), 305 Knowlton, Bridgeport, Conn.
Bignall & Keeler Machine Wks. ("Peerless," "P. D. Q. C.," "Duplex"), Edwardsville, Ill.
Borden Co. ("Beaver" Hand), 508 Dane av, Warren, O.
Clow Jas. B. & Sons (Portable), Franklin & Harrison, Chicago, Ill.
Cox & Sons Co. (Motor, Belt, Engine, Steam or Compressed Air Driven & Constant Variable Speed), Water & Hampton, Bridgeton, N. J.
Curtis & Curtis Co. ("Forbes," Hand & Power), 188 Garden, Bridgeport, Conn.
Fox Machine Co. (Cutting Machines Only), Jackson, Mich.
Fremont Mfg. Co., Fremont, Mich.
Greenfield Tap & Die Corp (" G. T. D.," with Automatic Die Heads, Hand & Power), Greenfield, Mass.
Hart Mfg. Co. (Hand), Cleveland, O.
Jarecki Mfg. Co., Erie, Pa.
Johnston Wm. I. Co. (Lathecut), 417 E 5th, Cincinnati, O.
Landis Machine Co. ("Landis," Threading), Waynesboro, Pa.
Loew Mfg. Co., 9100 Madison av, N. W., Cleveland, O.
Los Angeles Valve & Fittings Co., 2741 Compton, Los Angeles, Cal.
McMann & Taylor Co., 104 John, New York. ***See adv index at end of book***
Manning Maxwell & Moore Inc., 100 E 42nd, New York
See adv index at end of book
Merill Mfg. Co. ("Apex," "Merrell"), 15H Curtis, Toledo, O.
Murchey Mach. & Tool Co. (For Nipple & Pipe Threading, Also Rapid Roller Pipe Cutters), 951H Porter, Detroit, Mich.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Oster Mfg. Co., 2057 E 61st pl, Cleveland, Ohio
Pfaff & Lendall, 655 Ferry, Newark, N. J.
Pipe Machy. Co. (⅛ to 12 in.), 930 E 70th, Cleveland, O.
Republic Pipe & Iron Corp., 23H Varick, Brooklyn, N. Y.
See adv index at end of book
Ryerson Joseph T. & Son, Inc., 2558 W 16th, Chicago, Ill.
See adv index at end of book
San Francisco Eng. Co., 322 6th, San Francisco, Cal.
Saunders' D. Sons Inc., Dept. H, Yonkers, N. Y.
Smith A. P. Mfg. Co. ("French," Pipe Cutting Machines), East Orange, N. J.
Southwark Foundry & Machine Co. (Rotary), 1128 S 4th, Phila., Pa.
See adv index at end of book
Standard Engng. Co. ("Standard Wieland" "Mill Type" Threading), Elwood City, Pa.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Treadwell Engineering Co. ("Stoever" all Sizes), Easton, Pa.
See adv index at end of book

TREADWELL ENGINEERING CO
EASTON PA
"STOEVER" Pipe Machines Threading and Cutting All Sizes

United Engineering & Foundry Co., Farmers Bank bldg., Pittsburgh, Pa.
Universal Machine Co. ("Wilson"), Bowling Green, O.
Walworth Mfg. Co., Boston, Mass.
Williams Tool Co. (Pipe Cutting & Threading), Erie, Pa.

8793—Pipe Expanding & Flanging Machinery

Lovekin Pipe Expanding & Flanging Mach. Co., 421 Chestnut, Phila., Pa.
Ryerson Joseph T. & Son, 2558 W 16th, Chicago, Ill. *See adv index at end of book*

8794—Pipe Polishing Machines

Standard Engineering Co., Ellwood City, Pa.

8794a—Pipe Screwing Machines

Buckeye Traction Ditcher Co. (For Large Pipes), Findlay, O.

Pipe Threading Machines

See Pipe Cutting & Threading Machines

Pipe Threading & Cutting Machines

See Pipe Cutting & Threading Machines.

8795—Pipe & Tube Mill Machinery

Bignall & Keeler Machine Works ("Peerless," "Duplex" & "P. D. Q. C."), Edwardsville, Ill.
Cox & Sons Co., 5th & Chestnut, Phila., Pa.
Garrison A. Foundry Co. (Butt & Lap Weld Tube Mill), 901 Bingham, Pittsburgh, Pa.
Davis Bournonville Co., Van Wagner av, Jersey City, N. J.
Kane & Roach, Syracuse, N. Y.
KENNEDY-VAN SAUN MFG. & ENG. CORP., 50 Church, New York
See adv index at end of book
Rosedale Fdry. & Mach. Co., Columbus & Preble, Pittsburgh, Pa.
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book
Standard Engng. Co., Elwood City, Pa.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
Torrington Mfg. Co., Torrington, Conn.
Treadwell Engineering Co., Easton, Pa.
See adv index at end of book
United Engineering & Foundry Co., Farmers Bank bldg., Pittsburgh, Pa.

8796—Pipe & Tube Straightening Machines

Brightman Mfg. Co., Columbus, O.
Davis Bournonville Co., Van Wagner av, Jersey City, N. J.
Etna Machine Co., Toledo, O.
Hydraulic Press Mfg. Co., 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book
Kane & Roach, Niagara & Shonnard, Syracuse, N. Y.
Logemann Bros. Co. (Hydraulic), 3130 Burleigh, Milwaukee, Wis.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.

8797—Piston & Piston Ring Machines (Automatic)

American Engine & Airplane Co. (Piston Squarer), 2869 W Pico, Los Angeles, Calif.
Potter & Johnston Machine Co., Pawtucket, R. I.
Shepard-Thomason Co. ("Thomason" Automobile Aligning), 506 W Pico, Los Angeles, Cal.
United Engine & Machine Co., Inc., 507 Broadway, Fresno, Cal.

8798— Pitching Machines

Cleveland Brewers Supply Co. ("Waibel's," Pitching & Spraying), 1506 W 25th, Cleveland, O.
Eureka Machine Co., Cleveland, O.
Kaestner & Hecht Co., 500 Throop, Chicago, Ill.
National Machine Works, 1559 Sheffield av, Chicago, Ill.

Pawling & Harnischfeger Co. ("Milwaukee"), Milwaukee, Wis.
See adv index at end of book
Schlangen Bros., 2435 Irving Park blvd, Chicago, Ill.

8799—Pivot Polishing Machines

Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.

8800—Placer Mining Machinery

United Iron Works, Oakland, Cal.

8801—Planing Machines (Angle)

Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book

8802—Planing Machines (Bench)

Bartlett Edwin E., 41 Crown, Nashua, N. H.
Fay J. A. & Egan Co. (Hand), Cincinnati, Ohio
Gallmeyer & Livingston Co. ("Valley City" & "Union"), Grand Rapids, Mich.
Wallace J. D. & Co. (Wood), 1401 W Jackson blvd, Chicago, Ill.

8803—Planing Machines (Buzz)

See also Planing Machines, Wood

American Wood Working Machinery Co., Rochester, N. Y.
Carey W. W. Co., Lowell, Mass.
Cordesman-Rechtin Co., Butler, Cincinnati, O.
Crescent Machine Co., Leetonia, O.
Hall & Brown Woodworking Machine Co., 1911 N B'way, St. Louis, Mo.
Holmes E. & B. Machinery Co., 59 Chicago, Buffalo, N. Y.
National Woodworking Machine Co., Dover, N. H.
Oliver Machinery Co., Grand Rapids, Mich.
Porter C. O. Machinery Co. ("Porter" Hand Joint), 666 Front av, Grand Rapids, Mich.
Sidney Tool Machine Co., Sidney, O.
Silver Mfg. Co., No. 256, Salem, O.
Smith H. B. Machine Co., Smithville, N. J.
Union Iron Works, Bangor, Me.
Victory Mach. & Lbr. Co., Inc., Buffalo, N. Y.
Woods S. A. Machine Co. ("The Planers of Woods"), 27 Damrell, Boston, Mass.
Yates P. B. Machine Co., Beloit, Wis.

8804—Planing Machines (Crank)

Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book

8805-6—Planing Machines (Fluting Feed Rod)

Woodward & Powell Planer Co. (For Textile Machines), Worcester, Mass.

8807-8—Planing Machines (Frog & Switch)

Bethlehem Steel Co., Bethlehem, Pa.
Cincinnati Planer Co., 3120 S. Oakley, Cincinnati, O.
Cleveland Planer Works, 3150 Superior, Cleveland, O.
Liberty Machine Tool Co., Hamilton, O.
Woodward & Powell Planer Co., Worcester, Mass.

8809—Planing Machines (Hand & Foot Power)

Shepard Lathe Co., Canal & Jackson, Cincinnati, O.
Yates P. B. Machine Co., Beloit, Wis.

8810-11—Planing Machines (Heading)

Gerlach Peter Co., 1708 Columbus, Cleveland, O.
Oram Jno. S. Co., 5240 Hamilton av, Cleveland, O.
Rochester Barrel Machine Works, Rochester, N. Y.
Trevor Mfg. Co., Lockport, N. Y.

8812—Planing Machines (Locomotive Connecting Rod)

Cincinnati Planer Co., 3120 S. Oakley, Cincinnati, O.
Manning Maxwell & Moore Inc., 119 W 40th, New York
See adv index at end of book
Sawyer Weber Tool Co. (Regrinding), 350 S Alameda, Los Angeles, Cal.
Woodward & Powell Planer Co., Worcester, Mass.

8813—Planing Machines (Locomotive Cylinder)

Cincinnati Planer Co., 3120 S. Oakley, Cincinnati, O.
Liberty Machine Tool Co., Hamilton, O.
Manning Maxwell & Moore Inc., 100 E 42d, New York
See adv index at end of book
Morton Mfg. Co., Muskegon, Mich.

8814—Planing Machines (Metal Working)

American Tool Works Co., Cincinnati, O.
Bethlehem Steel Co., Bethlehem, Pa.
Betts Machine Co., Maryland av & South, Wilmington, Del.
CINCINNATI PLANER CO., 3120 S. Oakley, Cincinnati, O.
Cincinnati Shaper Co., (Crank), Elam & Garrard, Cincinnati, O.
Cleveland Planer Works (Open Side), 3150 Superior, Cleveland, O.
Cleveland Punch & Shear Works Co., 3917 St. Clair av, N. E, Cleveland, O.
See adv index at end of book
Gray G. A. Co., Cincinnati, O.
Hamilton Machine Tool Co. (24 to 96 inches), Hamilton, O.
Liberty Machine Tool Co., Hamilton, O.
MANNING, MAXWELL & MOORE, INC. 100 E 42d, New York
See adv index at end of book
Morley Mach Corp., 814 St. Paul, Rochester, N. Y.
Morton Mfg. Co. (Portable), Muskegon Heights, Mich.
NILES-BEMENT-POND CO., 111 Broadway, New York
See adv index at end of book
Ohio Machine Tool Co. ("Ohio," 22x22 inches, up to 56x48 inches), Kenton, O.
Reed-Prentice Co. (From 20 to 44 Inches), 677 Cambridge, Worcester, Mass.
Rockford Machine Tool Co. ("Rockford" Single Geared Crank, Back Geared Crank, etc), Rockford, Ill.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*

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Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.
Woodward & Powell Planer Co. ("Hy-Speed" Accelerating High Cutting Speed), Worcester, Mass.

8815—Planing Machines (Open Side)

Bethlehem Steel Co., Bethlehem, Pa.
Cleveland Planer Works ("Cleveland") 3150 Superior, Cleveland, O.
Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.

8816—Planing Machines (Plate)

Cleveland Punch & Shear Works Co., 3917 St. Clair av, N. E, Cleveland, O.
See adv index at end of book
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Covington Machine Co. ("Covington"), Lexington, Covington, Va.
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book

8817—Planing Machines (Pony)

See also Planing Machines, Wood

American Sawmill Machinery Co., Hackettstown, N. J.
American Wood Working Machinery Co., Rochester, N. Y.
Bethlehem Steel Co., Bethlehem, Pa.
Connell & Dengler Machine Co., Rochester, N. Y.
Crescent Machine Co., The, 512 Oak, Leetonia, O. *See adv index at end of book*
De Loach Mill Mfg. Co., 318 Carter, Chattanooga, Tenn.
Fay J. A. & Egan Co., Cincinnati, O.
Hall & Brown Woodworking Machine Co., 1911 N B'way, St. Louis, Mo.
Holmes E. & B. Machinery Co., 59 Chicago, Buffalo, N. Y.
Howell R. R. & Co., 31st av, Minneapolis, Minn.
Lane Mfg. Co., Montpelier, Vt.
Oliver Machinery Co., Grand Rapids, Mich.
Porter C. O. Machinery Co., 666 Front av, Grand Rapids, Mich.
Power L. & Co., 20 S 23d, Phila., Pa.
Sidney Machine Tool Co., Sidney, O.
Union Iron Works, Bangor, Me.
Victory Mach. & Lbr. Co., Inc., Buffalo, N. Y.
Yates P. B. Machine Co., Beloit, Wis.

8818—Planing Machines (Rail)

Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
Vixen Tool Co., 879 Mt. Prospect av, Newark, N. J.

8819—Planing Machines (Rotary)

Cleveland Punch & Shear Works Co., 3917 St. Clair av, N. E, Cleveland, O.
See adv index at end of book
Consolidated Mach. Tool Corp. of Amer. ("Newton"), Rochester, N. Y.
See adv index at end of book
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.
Underwood H. B. Corp. (Boring Bars), 1025 Hamilton, Phila., Pa.
U. S. Mach. Tool Co. ("U. S."), Cincinnati, O.

8820—Planing Machines (Slate)

See also Machinery, Slate

Flory S. Mfg. Co., Bangor, Pa.
See adv index at end of book
Ruggles Machine Co., Poultney, Vt.

8821—Planing Machines (Stave)

Gerlach Peter Co., 1708 Columbus, Cleveland, O.
Oram John S. Co., 5240 Hamilton, Cleveland, O.
Rochester Barrel Machine Co., Rochester, N. Y.

8822—Planing Machines (Stone)

See also Machinery, Stone Working

Lincoln Iron Works ("Gilmour"), Rutland, Vt.
New Albany Machine Mfg. Co., New Albany, Ind.
Patch F. R. Mfg. Co., Rutland, Vt.
Ruggles Machine Co. ("Ruggles" for Soft Stone), Poultney, Vt.

8823—Planing Machines (Traveling Bed)

Chase Turbine Mfg. Co. (Planers 24 in. Wide to 12-in. Thick), Orange, Mass.
Orton Machine Co., 325 Fremont, San Francisco, Cal.
Yates P. B. Machine Co., Beloit, Wis.

8824—Planing Machines (Wood)

American Sawmill Machinery Co., Hackettstown, N. J.
American Wood Working Machinery Co., Rochester, N. Y.
Cordesman-Rechtin Co., Butler, Cincinnati, Ohio
CRESCENT MACHINE CO., THE, 215 Oak, Leetonia, O.
See adv index at end of book
Defiance Machine Works, Defiance, O.
De Loach Mill Mfg. Co., Bridgeport, Ala.
Falls Machine Co., Sheboygan Falls, Wis.
Fay J. A. & Egan Co., Cincinnati, O.
Fisher & Davis Mfg. Co. ("Little Giant"), 934 N First, St. Louis, Mo.
Gerlach Peter Co. (Single, Double & Four Sided for Chair, Furniture, Box Board, Staves & Heading, etc.), 1712 Winter, Cleveland, O.
Grammes L. F. & Sons, 311 Union, Allentown, Pa.
Hall & Brown Woodworking Machine Co., 1911 N B'way, St. Louis, Mo.
Holmes E. & B. Mach'y Co., 59 Chicago, Buffalo, N. Y.
Howell R. R. & Co., 31st av, Minneapolis, Minn.
Jones Superior Machine Co. ("Superior"), 1264 W North av, Chicago, Ill.
Kane & Roach, Syracuse, N. Y.
Kidder R. E. Co., Worcester, Mass.
Lane Mfg. Co., Montpelier, Vt.
Myers Machine Co., Sheboygan, Wis.
National Woodworking Machine Co., Dover, N. H.
Newman Machine Co., Greensboro, N. C.
Oliver Mach'y Co. (Surface), Grand Rapids, Mich.
Orton Machine Co., 325 Fremont, San Francisco, Cal.
Power L. & Co., 20 S 23d, Phila., Pa.
Pryibil P. Machine Co., 520 W 41st, New York
Ricker T. H. & Sons Co., Harrison, Me.
Salem Iron Works, Winston-Salem, N. C.
Smith H. B. Machine Co. (Surface), Smithville, N. J.
Stellman L. H. & Son (Rotary Bed), Brattleboro, Vt.
Stetson-Ross Mach. Co. ("Ready Sizer"), 3204 1st av S, Seattle, Wash.
Strong Carlisle & Hammond Co., 336-344 Frankfort av, N W, Cleveland, O.
Union Iron Works, Bangor, Me.
Victory Mach. & Lbr. Co., Inc., Buffalo, N. Y.
Wallace J. D. & Co., 1401 W Jackson blvd, Chicago, Ill.
Whitney Baxter D. & Son, Winchendon, Mass.
Woods S. A. Machine Co. ("The Planers of Woods"), 27 Damrell, Boston, Mass.
Yates P. B. Machine Co., Beloit, Wis.

8825—Planing & Jointing Machines

Oliver Machinery Co. ("Oliver" Hand), Grand Rapids, Mich.
Wallace J. D. & Co., 1401 W Jackson blvd, Chicago, Ill.

8826—Planing & Matching Machines

American Sawmill Machinery Co., Hackettstown, N. J.
American Wood Working Machinery Co., Rochester, N. Y.
Connell & Dengler Mach'y Co., Rochester, N. Y.
Cordesman-Rechtin Co., Butler, Cincinnati, O.
Crescent Machine Co., The, 512 Oak, Leetonia, O. *See adv index at end of book*
Fay J. A. & Egan Co., Cincinnati, O.
Hall & Brown Woodworking Machine Co., 1911 N B'way, St. Louis, Mo.
Hermance Machine Co., Williamsport, Pa.
Newman Machine Co., Greensboro, N. C.
Power L. & Co., 20 S 23d, Phila., Pa.
Salem Iron Works, Winston Salem, N. C.
Smith H. B. Machine Co., Smithville, N. J.
Stetson-Ross Mach. Wks., 3204 1st av S., Seattle, Wash.
Stevens Machine Shop, Winooski, Vt.
Victory Mach. & Lbr. Co., Inc., Buffalo, N. Y.
Woods S. A. Machine Co. ("The Planers of Woods"), 27 Damrell, Boston, Mass.
Yates P. B. Machine Co., Beloit, Wis.

8827—Plaster Mill Machinery

Allis-Chalmers Mfg. Co. (Cement Mill Machy.), Milwaukee, Wis.
See adv index at end of book
American Process Co., 68 William, New York
Butterworth & Lowe, Grand Rapids, Mich.
Dunning W. D. ("Broughton" Plaster & Cement Mixers), Syracuse, N. Y.
Ehrsam J. B. & Sons Mfg. Co., Enterprise, Kan.
Great Western Mfg. Co., Leavenworth, Kan.
Sprout Waldron & Co. (Crushers, Grinders, etc), Muncy, Pa.
Sturtevant Mill Co., Clayton & Park, Dorchester, Boston, Mass.

Plaster of Paris Machinery

See Plaster Mill Machinery; also Stucco Machinery

8828—Plate Glass Machinery

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Hooven Owens Rentschler Co., Hamilton, O.
National Roll & Foundry Co. (Polishing, Grinding, Casting Tables, Runner Bars, etc), Avonmore, Pa.
Rosedale Foundry & Mach. Co., Columbus & Preble, Pittsburgh, Pa.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.

8829—Plate Scarfing Machines

Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Phila. Roll & Machine Co., 52d & Grays av, Phila., Pa.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.

8830—Plate Straightening Machinery

Cleveland Punch & Shear Works Co., 3917 St. Clair av, N E, Cleveland, O.
See adv index at end of book
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Kane & Roach, Syracuse, N. Y.
Newbold R. S. & Son Co., Norristown, Pa.
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*
Phila. Roll & Machine Co., 52d & Grays av, Phila., Pa.
Rock River Machine Co., Janesville, Wis.
WATSON-STILLMAN. CO., 38 Church, New York *See adv index at end of book*
Wickes Bros., 512 N Tilden, Saginaw, Mich.
See adv index at end of book

8831— Plating Machines

Connecticut Dynamo & Motor Co. ("Rotoplater"), Irvington, N. J.
Munning A. P. & Co. ("Nonesuch"), Matawan, N. J.
Norwood Engineering Co., Dept. H, Florence, Mass.

8832—Playing Card Machinery

Dietz Machine Works, 126 Fontaine, Phila., Pa.

8833—Plow Handle Machinery

Defiance Machine Works, Defiance, O.
Root B. M. Co., York, Pa.

8833a—Plug Cutting Machines

Trevor Mfg. Co., Lockport, N. Y.
Woods S. A. Machine Co., 27 Damrell, Boston, Mass.

8834—Pneumatic Boring Machines

Helwig Mfg. Co. ("Helwig" for Metal or Wood). St. Paul, Minn.

8835—Pneumatic Painting Machines

De Vilbiss Mfg. Co. ("De Vilbiss"), 3762 Detroit, Toledo, Ohio
Dunn's Paint Machine Co. ("Dunn's"), 208 Mission, San Francisco, Cal.
Eclipse Air Brush Co., 79H Orange, Newark, N. J.
International Engineering Co. ("Paint Gun"), 42 Exchange, Malden, Mass.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Paaschke Air Brush Co., 1249 W. Washington blvd, Chicago, Ill.
SPRAY ENGINEERING CO. (Equipment for), 62 High, Boston, Mass.
See adv index at end of book

"SPRACO"



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SPRAY ENGINEERING CO.
62 High St. Boston, Mass.

Wright David A., 601 W Monroe, Chicago, Ill.

8836—Pole Handling Machines

Clyde Iron Works Sales Co. (Self-Propelling, for Handling Poles & Heavy Timbers), Duluth, Minn.
See adv index at end of book

8837— Pole Sawing Machines

Appleton Mfg. Co. ("Appleton"), Batavia, Ill.

8838— Polishing Machines

See also Lathes, Buffing & Polishing; also Wood Polishing Machines
ABBOTT BALL CO. ("Abbott"), Elmwood Station, Hartford, Conn.
See adv index at end of book
Acme Mfg. Co. (also Buffing, Automatic for Reflectors), 1674 Howard, Detroit, Mich.
Astle H. J. & Co. ("Boland"), 118 Orange, Providence, R. I.
Baird Machine Co., Stratford av, Bridgeport, Conn.
BARKER BROS., INC. (Ball Bearing), 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
Beal Joseph & Co., 465 Atlantic av, Boston, Mass.
Blount J. G. Co. (Straight & Overhanging), Everett, Mass.
Born J. C. & Bro. ("Crescent"), Belleville, Ill.
Bridgeport Safety Emery Wheel Co. ("Bridgeport-Safety"), 88 Knowlton, Bridgeport, Conn.
See adv index at end of book
Brown & Sharpe Mfg. Co. (and Finish), Providence, R. I.
Builders' Iron Foundry ("Builders"), 9 Codding, Providence, R. I.
Cavicchi Polish Mach (Also Wall & Ceiling), 62 Walnut, Dorchester, Boston 22, Mass.
Columbia Mfg. Co. ("Crescent"), Belleville, Ill.
Cutter & Wood Supply Co., 274 Friend, Boston, Mass.
Diamond Machine Co. ("Diamond"), Providence, R. I.
Dixon Wm. (Dirs., Electric), 119 Fulton, New York
Elec. Rotary Mach. Co. ("Electric Rotary Machine"), 3825 W Lake, Chicago, Ill.
Florence Machine Co., Florence, Mass.
Globe Machine & Stamping Co., 1250 W. 76th, Cleveland, O.
Goodell-Pratt Co. (Foot Power), Greenfield, Mass.
Kent Co. ("Utility" Floor), 57 Dominick, Rome, N. Y.
Krause F. & Co. (Die), 250 Ogden av, Jersey City, N. J.
Luther Mfg. Co., Olean, N. Y.
McWilliams Mfg. Co., 237 Eddy, Providence, R. I.
Mitchell Engineering Co., Springfield, O.
New Britain Machine Co. ("New Britain"), 190 Chestnut, New Britain, Conn.
Noble & Westerbrook Mfg. Co., Hartford, Conn.
No Dust Drying Machine Co. ("No Dust"), 157 Durance, Providence, R. I.
Production Machinery Co. ("Production"), Greenfield, Mass.
Robinson Wm. V. Co., Owasso, Mich.
St. Louis Machine Tool Co., 922H Loughborough, St. Louis, Mo.
Smith, Richardson Co. ("Imperial"), Attleboro, Mass.
Stow Flexible Shaft Co. (Portable, Wood & Metal), 26th & Callowhill, Philadelphia, Pa.

Polishing Machines (Marble)

See Stone Polishing Machines

8839— Pop-Corn Machines

Cretors C. & Co., 620 W 22d, Chicago, Ill.
Dunbar & Co., 2652 W Lake, Chicago, Ill.
Holcomb & Hoke Mfg. Co. ("Butter-Kist"), 1546 Van Buren, Indianapolis, Ind.
Knot E. R. Machine Co., 32 Dorchester, Boston, Mass.
Long W. Z. Co. (For Fritters Only), Springfield, O.
Pacific Coast Popper Co., 2712 W Pico, Los Angeles, Cal.

8840-1— Porcelain Machinery

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Crossley Machine Co., State & Chestnut av, Trenton, N. J.

8842—Portable Rip & Swing Cross-Cut Saw Machines.

Ransome Concrete Machinery Co., Dunellen, N. J.

8843— Post Boring Machines

Cordesman-Rechtin Co., Cincinnati, O.
Greenlee Bros. & Co., 12th, Rockford, Ill.
Grand Rapids Hdwe Co., Grand Rapids, Mich.
National Woodworking Machine Co., Dover, N. H.
Pacific Earth Boring Machine Co., Dennison & King, Oakland, Cal.
Smith H. B. Machine Co., Smithville, N.J.

8844—Postage Stamp Affixing Machines

Bircher Co., Inc. ("Lightning"), 73 Exchange, Rochester, N. Y.
Mailometer Co. (Combination Sealing), 3455 Jefferson av E, Detroit, Mich.
Multipost Co., Rochester, N. Y.
National Machine Co., Brattleboro, Vt.
New Era Mfg. Co. ("New Era" Stamp Affixer), 450 4th av, New York
Standard Stamp Affixer Co., Sommerville, Mass.

Potato Digging Machine

See Diggers, Potato, with the word Machine following their name.

Potato Peeling Machines

See Parers, Fruit & Vegetable

8845— Pottery Machinery

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Bucher-Smith Co., East Liverpool, Ohio
Crossby Machine Co. (Complete Line), State & Chestnut av, Trenton, N. J.
Griffith & Wedge Co., Zanesville, O.
Hadfield-Penfield Steel Co. (The), Bucyrus, O. *See adv index at end of book*
International Clay Machy. Co., Dayton, O.
Ivens Wm. H. Sons Co., P. O. Box 647, Trenton, N. J.
Logan Edw. Machine Co., Trenton, N. J.
Mackenzie's Duncan Sons Co., Trenton, N. J.
Mueller Machine Co., Trenton, N. J.
Patterson Foundry & Machine Co., East Liverpool, O.
Taplin-Rice-Clerkin Co., Akron, O.

8846—Powder Mill Machinery

See also Gun Powder Machinery
Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Eyster, Welser & Co., York, Pa.
Hydraulic Press Mfg. Co. (Hydraulic Presses), Mt. Gilead, O.
Portland Iron Works, 495 Northrup, Portland, Ore.

8846a—Power Transmitting Machinery

See also Power Transmitting Machy., Rope
For Gears, Pulleys, Shafting, Hangers, Bearings, etc., See Index of Contents
ALLIS-CHALMERS MFG. CO. (Mechanical), Milwaukee, Wis.
See adv index at end of book

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American Tool & Machine Co., 10 High, **Boston, Mass.**

Anglo Am. Mill Co., Owensboro, Ky.

Badger Gas & Gasoline Engine Co., Kansas City, Kans.

Bailey-Burruss Mfg. Co., Atlanta, Ga.

Baker Machinery Co. (Electric), **Des Moines, Iowa**

Barnard Mill Furnishing Co., N 1324 Ash, Spokane, Wash.

Barnard & Leas Mfg. Co., Moline, Ill.

Barry Mfg. Co., 901 E 4th, Muscatine, Ia.

Batavia Engineering Works, Batavia, Ill.

Birmingham Iron Fdry., Derby, Conn.

BODINSON MFG. CO., 11 Minna, San Francisco, Cal.

Bond Foundry & Machine Co., Penn, Manheim, Pa.

Brinkley Co., 651 Alaska, Seattle, Wash.

Brown A. & F. Co., 79 Barclay, New York

CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.

Caldwell W. E. Co., Louisville, Ky.

Carey Machinery & Supply Co. (Dirs.), 119 E Lombard, Baltimore, Md.

Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book

Chicago Pulley & Shafting Co., 40 S Clinton, Chicago, Ill.

Christian Joseph D., 251 Tehama, San Francisco, Cal.

COLONIAL SUPPLY CO. (Appliances), 217 Water, Pittsburgh, Pa.
See adv index at end of book

Cotton States Belting & Supply Co., Atlanta, Ga.

Crane Co., 836 S. Michigan av, Chicago, Ill. *See adv index at end of book*

Cresson-Morris Co., 18th & Allegheny av, Phila., Pa.

Diamond Iron Works, 2nd & 18th av, N **Minneapolis, Minn.**

Dodge Mfg. Corp., Mishawaka, Ind.

Eastwood Benj. Co., Paterson, N. J.

FABREEKA BELTING CO. (Fabreeka General Transmission Belting, the best belt for all power transmission), 120 High, Boston, Mass.
See adv index at end of book

Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.

FALK CORP., ft. of 30th, Milwaukee, Wis.
See adv index at end of book

Falls Clutch & Machinery Co., Cuyahoga Falls, Ohio

Fargo Foundry Co., Fargo, N. D.

FARREL FOUNDRY & MACHINE CO., 30 Main, Ansonia, Conn.
See adv index at end of book

Fawcus Machine Co. (Standard & Special Gear Drives), 2818-2828 Smallman, Pittsburgh, Pa.
See adv index at end of book

Filer & Stowell Co., Milwaukee, Wis.

FOOTE BROS. GEAR & MACHINE CO. (Speed Reducing), 217 N Curtis, Chicago, Ill.
See adv index at end of book

FOOTE GEAR WORKS (Speed Reducing), 430 N Oakley blvd, Chicago, Ill.
See adv index at end of book

Franklin Machine Co., Providence, R. I.
See adv index at end of book

General Machinery & Supply Co., 39H Stevenson, San Francisco, Cal.

Godfrey Keeler Co., 70 Warren, New York

Golden's Foundry & Mach. Co., Columbus, Ga.

Gowanda Agricultural Works, Gowanda, N. Y.

Grace, C. M. & Co., Huntsville, Ala.

Hadfield-Penfield Steel Co. (The), Bucyrus, O. *See adv index at end of book*

Hesse-Ersted Iron Wks., E 8th & Taylor, **Portland, Ore.**

HILL CLUTCH MACHINE & FOUNDRY CO., W 65th, Cleveland, Ohio

Hilliard Clutch & Machy. Co. (Clutches), Elmira, N. Y.

Hoppen J. E. & Sons (Adjustable Shafting Hangers), 78 Main, Belleville, N. J.
See adv index at end of book

Holyoke Machine Co., Holyoke, Mass.

Howard Iron Works, Buffalo, N. Y.

Hunt Rodney Machine Co., Orange, Mass.

Hunter Jas. Machine Co., North Adams, Mass.

Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book

Jones E. D. & Sons Co., Pittsfield, Mass.

JONES W. A. FOUNDRY & MACHINE CO., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book

Kaestner & Hecht Co., 500 Throop, Chicago, Ill.

KENNEDY-VAN SAUN MFG. & ENG. CORP., 50 Church, New York
See adv index at end of book

Kimball Bros. & Sprague Inc. (Dirs.), 157 Centre, Brockton, Mass.

Klotz Machine Co., Sandusky, O.

Lane & Bodley Co., Tenn. av & Paddock **rd, Cincinnati, O.**

Lane Mfg. Co., Montpelier, Vt.

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

McKain Mfg. Co., 921 N Main, Los Angeles, Cal.

Marseilles Works of Deere & Co., East Moline, Ill.

MEDART COMPANY THE, 3500 De Kalb, St. Louis, Mo.
See adv index at end of book

Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book

Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.

Minster Machine Co., Minster, O.

MORSE CHAIN CO., Ithaca, N. Y.
See adv index at end of book

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Munson Mill Machinery Co., Utica, N. Y.

National Foundry Mfg. & Supply Co., Williamsport, Pa.

Naylor Bros., Peekskill, N. Y.

Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.

Noye Bros. Co., 1447 Niagara, Buffalo, N. Y.

Palmer-Bee Co., 2778 E Grand blvd, Detroit, Mich.

Phoenix Iron Works, E 3d & Hawthorne, Portland, Ore.

Pittsburgh Gage & Supply Co., 30th & Liberty av, Pittsburgh, Pa.

Plamondon A. Mfg. Co., 5315 S Western blvd, Chicago, Ill.

POOLE ENGINEERING & MACHINE CO., Woodberry, Baltimore, Md.
See adv index at end of book

Portland Iron Works, 495 Northrup, Portland, Ore.

Pratt Engineering & Machine Co., Atlanta, Ga.

Premier Machinery Co., Oakland, Cal.

Pyott Foundry Co., 330 N Sangamon, Chicago, Ill.
See adv index at end of book

Reardon P. H., 57 1st, San Francisco, Cal.

Reeves Pulley Co. ("Reeves"), Dept. H, **Columbus, Ind.**

Rhode Island Supply & Sprinkler Co. (Jobbers), 156 W Exchange, Providence, R. I

Robinson H. Mfg. Co., Muncy, Pa.

Royersford Foundry & Machine Co., Royersford, Pa.

Salem Foundry & Machine Works, Salem, Ohio

Schultz A. L. & Son, 1675 Elston av, Chicago, Ill.

Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.

Slater & Williams, Inc., 301 Clay, Oakland, Cal.

Smidth F. L. & Co., 50 Church, New York

Smith Philip Mfg. Co., Sidney, O.

SMITH S. MORGAN CO., P. O. Box 667, York, Pa.

Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book

Standard Pressed Steel Co., Jenkintown, Pa.

Standard Pulley Co., 1734 Power, Cincinnati, Ohio

Standard Supply & Equipment Co., N W cor Cherry & 13th, Philadelphia, Pa.

Stephens-Adamson Mfg. Co., Aurora, Ill.

Trump Mfg. Co., Springfield, O.

Union Iron Works, Decatur, Ill.

United States Hdwe. & Mfg. Co. (Wall Brackets), 16H Warren av, Pawtucket, R. I.

Vonnegut Machy. Co., 43 S Meridian, Indianapolis, Ind.

Wagner J. Mfg. Co., 165 Beale, San Francisco, Cal.

Walker Mfg. Co., 2156 15th, Denver, Colo.

Watts & Walsh, 1109 A ,Tacoma, Wash.

Washington Machinery Depot, Tacoma, Wash.

Waterbury Tool Co. ("Waterbury" Hydraulic Speed Gear, Variable), Waterbury, Conn.

Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.

WESTERN ENGINEERING & MFG. CO. ("Cleveland") (For all types of transmission service the "Cleveland" is unsurpassed. It is fully enclosed, self oiling, easy pickup—instant release—simple adjustment—no projecting parts to catch dirt or injure your employees—clutches and cut-off couplings in sizes ranging from ¾ to 270 H. P.), 2604 Irving Park blvd, Chicago, Ill.
See adv index at end of book

Westlund C. G. Co. ("Westlund"), 498 Millbury, Worcester, Mass.

Wood's T. B. Sons Co., Chambersburg, Pa.

Wolf Co., Chambersburg, Pa.

Woonsocket Machine & Press Co., Woonsocket, R. I.

Worthington Pump & Machy. Corp., 115 B'way, New York

Yocom Jos. & Son, 145 N 2d, Phila., Pa.

Power Transmitting Machinery (Belt Driven Lenit)

See Korap—Lenit Belt Drives

8847—Power Transmitting Machinery (Electric)

See also Generators, Various Kinds; also Motors, Various Kinds

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Columbia Machine Works & Malleable Iron Co. (Car), Atlantic av & Chestnut, Brooklyn, N. Y.
Duquesne Electric & Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
FALK CORP., ft. of 30th, Milwaukee, Wis.
See adv index at end of book
Fulton Engine Wks., 1000 Alhambra, Los Angeles Cal.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Mundy J. S. Hoisting Engine Co., 722 Frelinghuysen av, Newark, N. J.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

8848—Power Transmitting Machinery (Rope)

See also Power Transmitting Machinery

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Barry Mfg. Co., 901 E 4th, Muscatine, Ia.
Brown A. & F. Co., 79 Barclay, New York
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Cresson-Morris Co., Allegheny & 18th, Phila., Pa.
Hunter James Machine Co., North Adams, Mass.
Jones W. A. Fdry. & Mach. Co., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.
Nordyke & Marmon Co. Kentucky av & Morris, Indianapolis, Ind.
Stephens-Adamson Mfg. Co., Aurora, Ill.
Tamaqua Mfg. Co., Tamaqua, Pa.
Union Engineering Co., Cuyaboga & W 4th, Cleveland, O.
Walker Mfg. Co., Denver, Colo.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.
Wood's T. B. Sons Co., Chambersburg, Pa.

8849-50—Printers' Roller Making Machinery

Rowe James, 1058 W Harrison, Chicago, Ill.

8851—Printing Presses & Machinery

American Autopress Co., 261 W 36th, New York
American High Speed Press Co., 521 W. 23rd, New York
American Machine & Mfg. Co. (Sales Book), 441 Folsom, San Francisco, Cal.
Anderson C. F. & Co., 710 S Clark, Chicago, Ill.
Automatic Printing Devices Co., 95 Minna, San Francisco, Cal.
Babcock Printing Press Mfg. Co., New London, Conn.
Boston Printing Press & Machy. Co. ("Prouty" Paper), East Bridgewater, Mass.
Central Machine Co. (For Special Work), Niagara Falls, N. Y.
Challenge Machinery Co. ("Stonemetz," "Lee" & "Diamond" Cylinder Presses, Job Presses, etc), Grand Haven, Mich.
Chandler & Price Co., 6000 Carnegie av, Cleveland, O.
Cline Electric Mfg. Co. (Elect. Motors), Fisher bldg, Chicago, Ill.
Combustion Utilities Corp., 8-10 Bridge, New York
Commercial Iron Works of L. A. (for Tissue Wrappers), 2424 Porter, Los Angeles, Cal.
Cottrell C. B. & Sons Co., Westerly, R. I.
Curie Mfg. Co., Inc. (Saw Trimmers & Linotype Parts), 429 Sacramento, San Francisco, Cal.
Damon Geo. & Sons, 44 Beekman, New York
Dorman J. F. W. Co. ("Baltimorean" for Amateurs, 526 N Calvert, Baltimore, Md.
Duplex Printing Press Co. (Newspaper Presses), Battle Creek, Mich.
Fuller E. C. Co., 28 Reade, New York
Golding Mfg. Co., Franklin, Mass.
Goss Printing Press Co., 1535 S Paulina, Chicago, Ill.
Harris Automatic Press Co., E 71st, Cleveland, O.
Hart R. A., Battle Creek, Mich.
Hoe R. & Co., 504 Grand, New York
Humana Co. (Platen Press Feeders), 56 Summer av, Newark, N. J.
Johnson C. I. Mfg. Co., St. Paul, Minn.
Kelsey Press Co., Meriden, Conn.
Kelton's M. M. Son, 76 S 8th, Brooklyn, N. Y.
Kidder Press Co., Dover, N. H.
Krauth & Benninghofen, Hamilton, O.
Lazenby F. A. & Co., 414 Key Highway, Baltimore, Md.
Lisenby Mfg. Co. ("M-24" High Speed Job Press & Autofede), Fresno, Cal.
Miehle Printing Press & Mfg. Co. ("The Miehle"), 14th & Robey, Chicago, Ill.
Meisel Press Mfg. Co. (& Specialties), 942 Dorchester av, Boston, Mass.
Miller Saw Trimmer Co. ("Miller" Platen Press Feeders), Point bldg, Pittsburgh, Pa.
National Automatic Press Co., Lehighton, Pa.
National Machine Co. ("Hartford," "National" Presses), Church Weathersfield, Hartford, Conn.
National Printing Machinery Co., Athol, Mass.
Newton James (Imp.), 116 Nassau, New York
Peerless Printing Press Co., Palmyra, N. Y.
Pollard-Alling Mfg. Co., 220 W 19th, New York
Premier & Potter Printing Press Mfg. Co., Shelton, Conn.
Printing Machinery Co. ("Sterling"), 416 E 6th, Cincinnati, O.
Progress General Machine Works, 444 Brennan, San Francisco, Cal.
Rand, McNally & Co., 538 S Clark, Chicago, Ill.
Ray Bros. ("Webb" Presses Only), Ashland, Mass.
Regina Corp. ("New Era"), 103 E 125th, New York
Rice Barton & Fales Inc., Taintor, Worcester, Mass.
San Diego Machine Wks. ("Kessler" Press Brake), 739 4th, San Diego, Cal.
Schmutz Mfg. Co., Inc., 17th & Walnut, Louisville, Ky.
Scott Walter & Co., Plainfield, N. J.
Stokes & Smith Co., Summerdale, Phila., Pa.
Surface Combustion Co. The, 334 Gerard av, Bronx, New York
See adv index at end of book

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334 Gerard Avenue Bronx, N. Y.

Thomson J. Press Co., Nott av, Long Island City, N. Y.
United Printing Machinery Co., 87 Broad, Boston, Mass.
Wisconsin Foundry & Machine Co. ("Monona" Leverless Press), Madison, Wis.
Wood Newspaper Machinery Corp (Autoplate Machine for making Stereotype Plates, also Wet Newspaper Printing Presses), Plainfield, N. J.
Wrigley Thos. Co. (Print Press for Railroad Tickets), 504 Sherman, Chicago, Ill.
Ziegler Robt. & Sons, St. Louis, Mo.

8852—Printing & Punching Machines

Ohl Geo. A. & Co. (One Operation for Printing Punching Holes in Leather, Fibre, etc), 159 Oraton, Newark, N. J.

8853— Profiling Machines

Automatic Machine Co. ("Coulter" Multiple Spindle), 113 E Washington, Bridgeport, Conn.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Garvin Machine Co., 147 Varick, New York
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Reed-Prentice Co. ("Becker"), 677 Cambridge, Worcester, Mass.
Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.
Wade American Tool Co. (Bench), Waltham, Mass.

8853a— Projectile Machinery

See also Cold Saw Cutting-Off Machines; Drop Hammers; Lathes, Drilling Machines; Presses; Grinders, etc

American Tool Works Co., Cincinnati, O.
Automatic Machine Co. (Shell Cutting-Off Machines), 113 E Washington, Bridgeport, Conn.
Boye & Emmes Machine Tool Co., 2245 Spring Grove av, Cincinnati, Ohio
Cleveland Automatic Machine Co., 2269 E 65th, Cleveland, O.
Consolidated Mach. Tool Corp. of Amer. (Cold Saws & Vertical Millers), Rochester, N. Y.
See adv index at end of book
Curtis & Curtis Co. (Cutting-Off Machines), 188 Garden, Bridgeport, Conn.
Espen-Lucas Machine Wks. (High Explosive Shell Machines, Shrapnel & High Explosive Shell Trimming Machines), Girard av & Front, Philadelphia, Pa.
New Britain Machine Co. ("New Britain," Chucking Machines), 190 Chestnut, New Britain, Conn.
Niles-Bement-Pond Co., 111 Broadway, New York
See adv index at end of book
Potter & Johnston Machine Co., Pawtucket, R. I.
Wood R. D. & Co. (Presses), 400 Chestnut, Phila., Pa.

8854—Prospecting Machinery

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Keystone Driller Co., Beaver Falls, Pa.
See adv index at end of book
Loomis Machine Co., Tiffin, O.
Sanderson-Cyclone Drill Co. ("Cyclone" Mineral), Orrville, Ohio
Thomson John Press Co., Nott av, Long Island City, N. Y.

8855—Pulley Balancing Machinery

Defiance Machine Works, Defiance, O.
Premier Machinery Co., Oakland, Cal.

8856—Pulley Boring & Turning Machines

See also Lathes, Pulley Turning

Jones W. A. Foundry & Machine Co., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book
Premier Machinery Co., Oakland, Cal.

8857—Pulley Drilling & Tapping Machines

Avey Drilling Machine Co., Covington, Ky.
Premier Machinery Co., Oakland, Cal.

Pulley Molding Machines

See Molding Machines, Foundry

8858—Pulley Mortising Machines

Austin & Eddy ("Enterprise"), 117 Broad, Boston, Mass.
Millbury Machine Co. ("Enterprise"), Millbury, Mass.
Sloan Frank B. & Co. ("Norris"), 530 St. Paul, Baltimore, Md.
Smith & Phillips Mfg. Co., 30 N Jefferson, Chicago, Ill.

8859—Pulp Drying Machines

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Proctor & Schwartz, Inc., 7th & Tabor rd, Phila., Pa.
Rice Barton & Fales Inc., 65 Taintor, Worcester, Mass.

8860—Pulp Lining Machines

Beloit Iron Works, Beloit, Wis.

8861—Pulp Making Machinery (Canners)

Anderson Barngrover Mfg. Co., 333 W Julian, San Jose, Cal.
Bucyrus Copper Kettle Works Co. (The), Bucyrus, Ohio
See adv index at end of book
Langsenkamp F. H., 130 E Georgia, Indianapolis, Ind.
Premier Machinery Co., Oakland, Cal.
Sprague-Sells Corp., 508 N Dearborn, Chicago, Ill.

8862—Pulp Washing Machines

Baker Mfg. Corp. ("Worm"), Saratoga Springs, N. Y.
Clark H. C. & Son Machine Co., Lee, Mass.
Magnus A. Sons Co. ("Klein," "Simplex," Brewers, etc.), 327 W Randolph, Chicago, Ill.

Pulp Wood Barking Machines

See Wood Barking Machines

8863—Pulp Wood Chipping Machines

Holyoke Machine Co., Holyoke, Mass.
MITTS & MERRILL, 1939 S. Water, Saginaw, Mich.
Waterville Iron Works, Waterville, Me.

8864—Pulp Wood Crushing Machines

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
National Engineering Co., 549 W Washington blvd, Chicago, Ill.
Waterville Iron Works, Waterville, Me.

8865—Pulp Wood Rechipping Machines

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
MITTS & MERRILL, 1939 S. Water, Saginaw, Mich.
Waterville Iron Works, Waterville, Me.

8866—Pulp Wood Splitting Machines

Glascock Stove & Mfg. Co. ("Glascock"), 118 Lewis, Greensboro, N. C.
Grace C. M. & Co., Huntsville, Ala.
Sumner Iron Works, 41st & 3rd, Everett, Wash.
Waterville Iron Works, Waterville, Me.

8867— Pulverizing Machinery

See also Mills, Grinding

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co. ("Abbe"), 38 Church, New York
See adv index at end of book
Acton Jno. (Borgardus Centrifugal Steel Roller Mills), 118 John, Brooklyn, N. Y.
Aero Pulverizer Co., 165 B'way, New York
Allis-Chalmers Mfg. Co. ("Allis-Chalmers"), Milwaukee, Wis.
See adv index at end of book
American Pulverizer Co., 1729H Austin, St. Louis, Mo.
Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Bonnot Co., 722 Mulberry S. E, Canton, O.
Braddock Manufacturing Co., Braddock, Pa.
Bradley Pulverizer Co. ("Griffin Mill," "Bradley Three-Roll Mill," "Bradley Hercules Mill"), Allentown, Pa.
Brainard Patent Pulverier Co., Old Colony bldg, Chicago, Ill.
Braun Corporation, 363 New High, Los Angeles, Cal.
Buckeye Traction Ditching Co. The (Land Pulverizing), Findlay, O.
Chalmers-Williams Mfg. Co., 1461 Arnold, Chicago Heights, Ill.
Crossley Machine Co. (For Clay Only), State & Chestnut av, Trenton, N. J.
Eastern Machinery Co., New Haven, Conn.
Excel Mfg. Co., Pottersville, N. J.
FULLER-LEHIGH CO., Fullerton, Pa.
See adv index at end of book
GRUENDLER PATENT CRUSHER & PULVERIZER CO., 982 N Main, St. Louis, Mo. *See adv index at end of book*
Holmes & Blanchard Co. (Fertilizing), 928 Broadiran, Boston, Mass.
Hunt Rodney Mach. Co., Orange, Mass.
Iler Foundry & Mfg. Co. ("Iler"), 6605 St. Clair, Cleveland, Ohio
JEFFREY MFG. CO., 961 N Fourth, Columbus, O.
See adv index at end of book
K. B. Pulverizer Co., Inc., 92 Lafayette, New York
Kent Machine Works, 39 Gold, Brooklyn, N. Y.
Kent Mill Co., 10 Rapelyea, Brooklyn, N. Y.
Knoxville Foundry & Machine Co. (For Lime), Knoxville, Tenn.
McLauthlin Geo. T. Co., 120 Fulton, Boston, Mass.
Mashek Engineering Co. (Coal, Asphalt, Pitch), 90 West, New York
Manitowoc Engineering Co., Manitowoc, Wis.
Midland Crusher-Pulverizer Co. ("Brainard"), 37 W Vanburen, Chicago, Ill.
Mine & Smelter Supply Co. ("Marcy"), 42H B'way, New York
MITTS & MERRILL, 1939 S. Water, Saginaw, Mich.
Murray Co., Dallas, Tex.
Nebel M. A., 72 Grand av, Brooklyn, N. Y.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Patterson Foundry & Mach. Co., E. Liverpool, O.
Pennsylvania Crusher Co., Stephen Girard bldg, Phila., Pa.
Pratt Engineering & Machine Co. (Complete Plants), Atlanta, Ga.
Raymond Bros. Impact Pulverizer Co. (Clay), 1346 North Branch, Chicago, Ill.
Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.
Sackett A. J. (Fertilizing), cor 4th av & 1st, Baltimore, Md.
Smidth F. L. & Co., 50 Church, New York
Smith Theo. & Sons Co., ft Essex, Jersey City, N. J.
Standard Equipment Co. (For Cinders, Soft Rock, Coal, Ore, etc), 184 Church, New Haven, Conn.
Stroud E. H. & Co., 928-934 Fullerton av, Chicago, Ill.
STURTEVANT MILL CO. ("Ring-Roll Mill," "Rock-Emery Mill"), Clayton & Park, Dorchester. Boston, Mass.
Thornburgh Mfg. Co., Bowling Green, O.
United Iron Works, Inc. ("Emerick"), Kansas City, Mo.
Walker & Elliott, Wilmington, Del.
Williams Patent Crusher & Pulverizing Co., 813 Montgomery, St. Louis, Mo.

Pump Stock Boring Machines

See Wood Pipe Boring Machines

8868— Pumping Machinery

See also Engines, Pumping, Various Kinds; also Pumps, Various Kinds

Adkins, Young & Allen Co. (Steam & Power), 561 Washington blvd, Chicago, Ill.
Aldrich Pump Co., Foot of Pine, Allentown, Pa.
ALLIS-CHALMERS MFG. CO., Milwaukee, Wis.
See adv index at end of book
AMERICAN WELL WORKS, Aurora, Ill.
See adv index at end of book
Aumen Machinery Co., 109 E Lombard, Baltimore, Md.
Buffalo Steam Pump Co., 490H B'way, Buffalo, N. Y.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
De Laval Steam Turbine Co., East Trenton, N. J.
See adv index at end of book
DEMING CO., Salem, O.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
Keystone Iron Works, 37th & Santa Fe av, Los Angeles, Cal.
Knowles Steam Pump Wks., 115 B'way, New York
United Iron Works Co., Kansas City, Mo.
Worthington Pump & Machinery Corp. (Horizontal & Vertical Compound & Triple Expansion High Duty Cranes & Flywheel Pumping), 115 Broadway, New York

8869—Pumping Machines (Electric)

See also Pumps, Electric

Aldrich Pump Co., Foot of Pine, Allentown, Pa.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
DEMING CO., Salem, O.
See adv index at end of book
Duquesne Electric & Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

8870—Pumping Machines (Gasoline)

Aldrich Pump Co., Foot of Pine, Allentown, Pa.
DEMING CO., Salem, O.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Van Nouhuys Machine Wks., Albany, N. Y.

Pumping Machines (Horse Power)

See Pumping Outfits, Horse Power

8870a—Pumping Machines (Sugar House)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Aldrich Pump Co., Foot of Pine, Allentown, Pa.
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Worthington Pump & Machy. Corp., 115 Broadway, New York

8871—Pumpkin Peeling & Seeding Machines

Sprague-Sells Corp., 508 N Dearborn, Chicago, Ill.

8871a—Pumps & Pumping Machinery (All Kinds)

Aldrich Pump Co., Foot of Pine, Allentown, Pa.
COLONIAL SUPPLY CO., 217 Water, Pittsburgh, Pa.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Guarantee Engng. & Mach. Co. ("G. E. & M. Co."), 1001H N Main, Los Angeles, Cal.
San Diego Machine Co., San Diego, Cal.

8872—Punching, Beveling & Trimming Machines

Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
LONG & ALLSTATTER CO. (for Boiler Plates, etc., with Hand & Automatic Spacing Table), Hamilton, Ohio
See adv index at end of book
PELS HENRY & CO., INC., 90 West, New York *See adv index at end of book*
Schatz Mfg. Co. (Hand & Power), Poughkeepsie, N. Y.
Williams, White & Co., 301 8th, Moline, Ill.

8873—Punching Machines (Boiler-Makers')

Beatty Machine & Mfg. Co., Dept. H, Hammond, Ind.
Bertsch & Co., Cambridge City, Ind.
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Braun J. G., 609 S Paulina, Chicago, Ill.
California Tool Works, 181 Beale, San Francisco, Cal.
Cleveland Punch & Shear Works, 3917 St. Clair av, Cleveland, Ohio
See adv index at end of book
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Covington Machine Co., Covington, Va.
Dudgeon Richard (Hydraulic), 24 Columbia, New York
Henderer's A. L. Sons, Wilmington, Del.
Ironton Punch & Shear Co. (Heavy Power), Ironton, O.
KLING BROS., ENGINEERING WORKS, 1300 N Kostner av, Chicago, Ill.
See adv index at end of book
Long & Allstatter Co. (Heavy), Hamilton, O.
See adv index at end of book
Massillon Foundry & Machine Co. ("Massillon"), Massillon, O.
New Doty Mfg. Co., Janesville, Wis.
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*
Pels Henry & Co., Inc., 90 West, New York *See adv index at end of book*
Roberts Tools Co., Irvington, N. J.
Rock River Machine Co. ("Badger" Hand Power, etc), Janesville, Wis.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill.
See adv index at end of book
Schatz Mfg. Co., Poughkeepsie, N. Y.
SOUTHWARK FOUNDRY & MACHINE CO., 1128 S 4th, Phila., Pa.
See adv index at end of book
United Engineering & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.
Vulcan Engineering Sales Co., 1764 Elston av, Chicago, Ill.
Wickes Bros., Saginaw, Mich.
Williams, White & Co., 301 8th, Moline, Ill.

8874—Punching Machines (Coping)

Beatty Machine & Mfg. Co., Dept. H Hammond, Ind.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Ironton Punch & Shear Co., Ironton, O.
Long & Alstatler Co. (The), Hamilton, O.
See adv index at end of book
Pels Henry & Co., Inc., 90 West, New York *See adv index at end of book*
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill.
See adv index at end of book
Williams, White & Co., 301 8th, Moline, Ill.

8875—Punching Machines (Disc)

LONG & ALLSTATTER CO. (Heavy), Hamilton, Ohio
See adv index at end of book
Pels Henry & Co., 90 West, New York
Schatz Mfg. Co., Poughkeepsie, N. Y.
Williams, White & Co., 301 8th, Moline, Ill.

8876— Punching Machines for Light Metal, Paper, Etc.

Ams Max Machine Co., 101 Park av, New York *See adv index at end of book*
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.
Niagara Machine & Tool Works, Buffalo, N. Y.
Pels Henry & Co., 90 West, New York
Sterling Devices Co., 9 Leonard, New York
Stimpson Edwin B. Co., 852 Kent av., Brooklyn, N. Y.
See adv index at end of book

Punching Machines (Gang)

See Punching Machines, Multiple

8877—Punching Machines (Horizontal)

See also Machinery, Punching & Shearing
Alliance Machine Co., Alliance, O.
Beatty Machine & Mfg. Co., Dept. H, Hammond, Ind.
(Continued on following page)

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Punching Machines (Horizontal)—Continued

Bertsch & Co., Cambridge City, Ind.
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Chambersburg Engineering Co., Chambersburg, Pa.
Cleveland Punch & Shear Works, 3917 St. Clair av, Cleveland, Ohio
See adv index at end of book
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Covington Machine Co., Covington, Va.
Ironton Punch & Shear Co. (Heavy Power), Ironton, O.
KLING BROS. ENGINEERING WORKS, 1300 N Kostner av, Chicago, Ill.
See adv index at end of book
Long & Allstatter Co. (Heavy), Hamilton, Ohio
See adv index at end of book
Massillon Foundry & Machine Co. ("Massillon"), Massillon, O.
Niles-Bement-Pond Co., 111 Broadway, New York *See adv index at end of book*
PELS HENRY & CO., INC., 90 West, New York *See adv index at end of book*
Rock River Machine Co. ("Badger"), Janesville, Wis.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Schatz Mfg. Co., Poughkeepsie, N. Y.
SOUTHWARK FOUNDRY & MACHINE CO., 1128 S 4th, Phila., Pa.
See adv index at end of book
Vulcan Engineering Sales Co. ("Vulcan"), 1764 Elston av, Chicago, Ill.
Wickes Bros., Saginaw, Mich.
See adv index at end of book
Williams, White & Co., 301 8th, Moline, Ill.

8878—Punching Machines (Hydraulic)

See also Machinery, Punching & Shearing

Alliance Machine Co., Alliance, O.
Chambersburg Engng. Co., Chambersburg, Pa.
Dudgeon Richard, 24 Columbia, New York
Elmes Chas. F. Engng. Wks., Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Henderer's A. L. Sons, Wilmington, Del.
Morgan Engineering Co., Alliance, O.
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book
WATSON-STILLMAN CO., 38 Church, New York *See adv index at end of book*
Wood W. H., Media, Pa.

8879—Punching Machines (I-Beam)

Beatty Machine & Mfg. Co., Dept. H, Hammond, Ind.
Bertsch & Co., Cambridge City, Ind.
Braun J. G., 609 S Paulina, Chicago, Ill.
Buffalo Forge Co., 490 B'way, Buffalo, N. Y.
Cleveland Punch & Shear Works, 3917 St. Clair av, Cleveland, Ohio
See adv index at end of book
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Dudgeon Richard (Hydraulic), 24 Columbia, New York
Ironton Punch & Shear Co., Ironton, O.
KLING BROS. ENGINEERING WORKS, 1300 N Kostner av, Chicago, Ill.
See adv index at end of book
LONG & ALLSTATTER CO. (& Coping), Hamilton, Ohio
See adv index at end of book
Massillon Foundry & Machine Co. ("Massillon"), Massillon, O.
New Doty Mfg. Co., Janesville, Wis.
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*
Pels Henry & Co., Inc., 90 West, New York *See adv index at end of book*
Rock River Machine Co. ("Badger," Hand Power, etc), Janesville, Wis.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Schatz Mfg. Co., Poughkeepsie, N. Y.
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book
Thomas Spacing Machine Co., Glenshaw, Pa.
WATSON-STILLMAN CO., 38 Church, New York *See adv index at end of book*
Wickes Bros., Saginaw, Mich.
See adv index at end of book
Williams, White & Co., 301 8th, Moline, Ill.

8880—Punching Machines (Multiple)

Alliance Machine Co., Alliance, O.
Barcroft Fred ("Barcroft," Lever), Madera, Cal.
Beatty Machine & Mfg. Co., Dept. H, Hammond, Ind.
Bertsch Co., Cambridge, Ind.
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Chambersburg Engineering Co., Chambersburg, Pa.
Cleveland Punch & Shear Works, 3917 St. Clair av, Cleveland, Ohio
See adv index at end of book
Consolidated Mach. Tool Corp. of Amer. Rochester, N. Y.
See adv index at end of book
Covington Machine Co., Covington, Va.
Excelsior Tool & Mach. Co., 32nd & Ridge, East St. Louis, Ill.
Ironton Punch & Shear Co. (Heavy Power), Ironton, O.
KLING BROS. ENGINEERING WORKS, 1300 N Kostner av, Chicago, Ill.
See adv index at end of book
Long & Allstatter Co. (Also Heavy, for Splice Bars, etc), Hamilton, O.
See adv index at end of book
Loy & Nowroth Co., 25 Runyon, Newark, N. J.
Mackintosh & Hemphill Co. (Heavy), 12th & Etna, Pittsburgh, Pa.
New Doty Mfg. Co., Janesville, Wis.
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*
Ohl Geo. A. & Co., 159 Oraton, Newark, N. J.
Pels Henry & Co., Inc., 90 West, New York *See adv index at end of book*
Perkins Machine Co., Warren, Mass.
Rock River Machine Co. ("Badger"), Janesville, Wis.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill.
See adv index at end of book
Schatz Mfg. Co., Poughkeepsie, N. Y.
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
SOUTHWARK FOUNDRY & MACHINE CO., 1128 S. 4th, Phila., Pa.
See adv index at end of book
Thomas Spacing Machine Co., Fulton Bldg, Pittsburgh, Pa.
Wells Frank L. Co. ("Wells" Punching Presses), Kenosha, Wis.
Wickes Bros., Saginaw, Mich.
See adv index at end of book
Williams, White & Co. (& Gate Shear), 301 8th, Moline, Ill.

8881—Punching Machines (Rail)

Cleveland Punch & Shear Works, 3917 St. Clair av, Cleveland, Ohio
See adv index at end of book
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Ironton Punch & Shear Co., Ironton, O.
Long & Alstatter Co. (The), Hamilton, O.
See adv index at end of book
Pels Henry & Co., Inc., 90 West, New York *See adv index at end of book*
Schatz Mfg. Co., Poughkeepsie, N. Y.
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book

8882—Punching Machines (Rotary)

Federal Engineering Co., H, Drexel bldg, Phila., Pa.
Whitney Metal Tool Co., Rockford, Ill.

8883—Punching Machines (Screw)

Bertsch & Co., Cambridge, City, Ind.
Cleveland Punch & Shear Works, 3917 St. Clair av, Cleveland, Ohio
See adv index at end of book
Henderer's A. L. Sons, Wilmington, Del.
Irving Mfg. & Tool Co., 157 Chambers, New York
KLING BROS. ENGINEERING WORKS, 1300 N Kostner av, Chicago, Ill.
See adv index at end of book
New Doty Mfg. Co., Janesville, Wis.
Perkins Machine Co., Warren, Mass.
Rock River Machine Co., Janesville, Wis.
Schatz Mfg. Co., Poughkeepsie, N. Y.

8884—Punching Machines (Stiles)

BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book

8885—Punching Machines (Structural Steel)

Braun J. G., 609 S Paulina, Chicago, Ill.
Covington Machine Co., Covington, Va.
Dudgeon Richard, 24 Columbia, New York
Ironton Punch & Shear Co., Ironton, O.
Massillon Foundry & Machine Co. ("Massillon"), Massillon, O.
Pels Henry & Co., Inc., 90 West, New York *See adv index at end of book*
Roberts Tool Co., Irvington, N. J.
Rock River Machine Co., Janesville, Wis.
Schatz Mfg. Co., Poughkeepsie, N. Y.
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book
Williams, White & Co., 301 8th, Moline, Ill.

8886—Punching & Cutting Machines (Combined)

Braun J. G., 609 S Paulina, Chicago, Ill.
Ironton Punch & Shear Co., Ironton, O.
KLING BROS. ENGINEERING WORKS, 1300 N Kostner av, Chicago, Ill.
See adv index at end of book
PELS HENRY & CO., INC., 90 West, New York *See adv index at end of book*
Schatz Mfg. Co., Poughkeepsie, N. Y.

8887—Punching & Shearing Machinery

See also Punching Machines, Various Kinds; also Shears, Various Kinds

Alliance Machine Co., Alliance, O.
Badger State Machine Works, Beloit, Wis.
Beatty Machine & Mfg. Co., Dept. H, Hammond, Ind.
Bertsch & Co., Cambridge City, Ind.
Braun J. G., 609 S Paulina, Chicago, Ill.

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Buffalo Forge Co., 490 Broadway, Buffalo, N. Y.
California Tool Works, 181 Beale, San Francisco, Cal.
Chambersburg Engineering Co., Chambersburg, Pa.
CLEVELAND PUNCH & SHEAR WORKS, 3917 St. Clair av, Cleveland, Ohio
See adv index at end of book
CONSOLIDATED MACH. TOOL CORP. OF AMER., Rochester, N. Y.
See adv index at end of book
Covington Machine Co. ("C. C. Wals" Patent), Covington, Va.
Evans' Jno. Sons (Heavy), 506 N 13th, Phila., Pa.
Excelsior Tool & Mach. Co., 32d & Ridge, East St. Louis, Ill.
Ferracute Machine Co., Bridgeton, N. J.
Heartley Machine Variety Iron & Tool Works, 900 Summit, Toledo, O.
Hendley & Whittemore Co., Beloit, Wis.
Ironton Punch & Shear Co., Ironton, O.
Kane & Roach (Carriage Makers, etc), Syracuse, N. Y.
Kidder J. F. Mfg. Co., Burlington, Vt.
KLING BROS. ENGINEERING WORKS, 1300 N Kostner av, Chicago, Ill.
See adv index at end of book
Lewthwaite T. H. Machine Co. (Power, Hand & Foot), 413 E 31st, New York
Little Giant Punch & Shear Co. ("Little Giant" Hand), Sparta, Ill.
LONG & ALLSTATTER CO. (Single & Double End, Deep Throat, etc), Hamilton, Ohio
See adv index at end of book
Luther Mfg. Co. (Hand Power), Olean, N. Y.
Mackintosh-Hemphill Co., 12th & Etna, Pittsburgh, Pa.
Massillon Foundry & Machine Co. ("Massillon"), Massillon, O.
Mitts & Merrill, Saginaw, Mich.
Morgan Engineering Co. (Elec. Hydraulic, Steam & Power), Alliance, O.
New Doty Mfg. Co., Janesville, Wis.
Niagara Machine & Tool Works, Buffalo, N. Y.
Niles-Bement-Pond Co., 111 B'way, New York
See adv index at end of book
Ohl Geo. A. & Co., 159 Oraton, Newark, N. J.
Peck, Stow & Wilcox Co., Southington, Conn.
PELS HENRY & CO., INC., 90 West, New York *See adv index at end of book*
Perkins Machine Co., Warren, Mass.
Robinson J. M. Mfg. Co., 3282 Spring Grove av, Cincinnati, O.
Rock River Machine Co. (Belt or Motor Driven), Janesville, Wis.
Royersford Foundry & Machine Co., Royersford, Pa.
Ryerson Joseph T. & Son, 2558 W. 16th, Chicago, Ill. *See adv index at end of book*
Schatz Mfg. Co., Poughkeepsie, N. Y.
Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.
SOUTHWARK FOUNDRY & MACHINE CO., 1128 S 4th, Phila., Pa.
See adv index at end of book
Toledo Machine & Tool Co., Toledo, O.
Union Mfg. Co. (Hand Operated Only), 300 Church, New Britain, Conn.
United Engineering & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.
Vulcan Engineering Sales Co. ("Vulcan"), 1764 Elston av, Chicago, Ill.
WATSON-STILLMAN CO. (Hydraulic, etc), 38 Church, New York
See adv index at end of book
WICKES BROS., Saginaw, Mich.
See adv index at end of book
Williams, White & Co., Moline, Ill.
Wood Wm. H., Media, Pa.

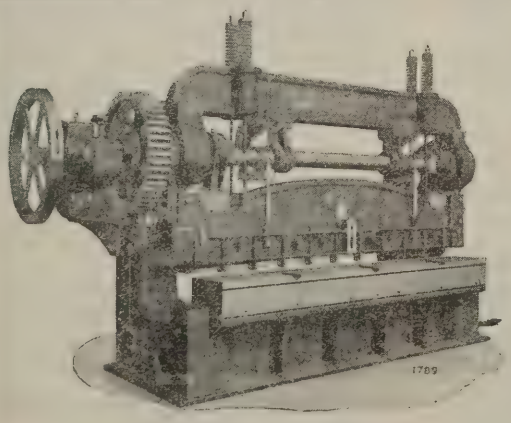
8888—Punching & Shearing Machines (Combined)

Beatty Machine & Mfg. Co., Dept. H, Hammond, Ind.
Braun J. G., 609 S Paulina, Chicago, Ill.
Chambersburg Engineering Co., Chambersburg, Pa.
Clark Foundry Co., Rumford, Me.
CLEVELAND PUNCH & SHEAR WORKS, 3917 St. Clair av, Cleveland, Ohio
See adv index at end of book
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Covington Machine Co. ("Covington"), Lexington, Covington, Va.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, P.
Hendley & Whitlemore Co. ("Beloit" Single and Double End), Beloit, Wis.
Ironton Punch & Shear Co. (Heavy Power), Ironton, O.
KLING BROS. ENGINEERING WORKS, 1300 N Kostner av, Chicago, Ill.
See adv index at end of book
Massillon Foundry & Machine Co. ("Massillon"), Massillon, O.
Niagara Machine & Tool Works, Buffalo, N. Y.
PELS HENRY & CO., INC., 90 West, New York *See adv index at end of book*
Perkins Machine Co., Warren, Mass.
Rock River Machine Co. ("Badger"), Janesville, Wis.
Royersford Foundry & Machine Co., Royersford, Pa.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Schatz Mfg. Co., Poughkeepsie, N. Y.
SOUTHWARK FOUNDRY & MACHINE CO., 1128 S 4th, Phila., Pa.
See adv index at end of book
Vaughn & Bushnell Mfg. Co., 2114 Carroll av, Chicago, Ill.
Wickes Bros., Saginaw, Mich.
See adv index at end of book
Williams, White & Co., 301 8th, Moline, Ill.

8889—Punching & Shearing Machines (Double End)

Beatty Machine & Mfg. Co., Dept. H. Hammond, Ind.
Braun J. G., 609 S Paulina, Chicago, Ill.
Chambersburg Engineering Co., Chambersburg, Pa.
Cincinnati Iron & Steel Co. ("Cisco"), Cincinnati, O.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Ironton Punch & Shear Co. (Heavy Power), Ironton, O.
Long & Allstatter Co. (The), Hamilton, O.
See adv index at end of book
Massillon Foundry & Machine Co. ("Massillon"), Massillon, O.
Morgan Engineering Co. (Belt Driven), Alliance, O.
PELS HENRY & CO., INC., 90 West, New York *See adv index at end of book*
Rock River Machine Co. ("Badger"), Janesville, Wis.

(Continued on following page)



Gate or Squaring Shear

Power Punching & Shearing Machinery

Coping and Bending Machines
Spacing Tables

THE LONG & ALLSTATTER CO.
HAMILTON, OHIO

Punching & Shearing Machines (Double End)—Continued

Schatz Mfg. Co., Poughkeepsie, N. Y.
SOUTHWARK FOUNDRY & MACHINE CO., 1128 S 4th, Phila., Pa.
See adv index at end of book
Toledo Machine & Tool Co., Toledo, O.
Wickes Bros., Saginaw, Mich.
See adv index at end of book
Williams, White & Co., Moline, Ill.

8890—Punching & Shearing Machines (Manhole)

Braun J. G., 609 S Paulina, Chicago, Ill.
Chambersburg Engineering Co., Chambersburg, Pa.
CLEVELAND PUNCH & SHEAR WORKS, 3917 St. Clair av, Cleveland, Ohio
See adv index at end of book
Consolidated Mach. Tool Corp. of Amer., **Rochester, N. Y.**
See adv index at end of book
Morgan Engineering Co. (Hydraulic), Alliance, O.
Pels Henry & Co., Inc. (Punching Only), 90 West, New York
See adv index at end of book
Ryerson Jos. T. & Son Co., Inc., 2558 W 16th, Chicago, Ill.
See adv index at end of book
Southwark Foundry & Machine Co., 1128 S. 4th, Phila., Pa.
See adv index at end of book

8891—Punching & Shearing Machines (Plate Work)

Beatty Machine & Mfg. Co., Dept. H, Hammond, Ind.
Braun J. G., 609 S Paulina, Chicago, Ill.
Cleveland Punch & Shear Works, 3917 St. Clair av, Cleveland, Ohio
See adv index at end of book
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Detroit Stamping Co., 3445 W Fort, Detroit, Mich.
Garrison A. Foundry Co., 901 Bingham, Ironton Punch & Shear Co., Ironton, O.
Long & Allstatter Co. (The), Hamilton, O.
See adv index at end of book
Pels Henry & Co., Inc., 90 West, New York *See adv index at end of book*
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Schatz Mfg. Co., Poughkeepsie, N. Y.
Southwark Foundry & Machine Co., 1128 S. 4th, Phila., Pa.
See adv index at end of book
Williams, White & Co., 301 8th, Moline, Ill.

8892—Punching & Shearing & Bar Cutter Machines (Combined)

Beatty Machine & Mfg. Co., Hammond, Ind.
Braun J. G., 609 S Paulina, Chicago, Ill.
Cleveland Punch & Shear Works, 3917 St. Clair av, Cleveland, Ohio
See adv index at end of book
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
LONG & ALLSTATTER CO. (THE), Hamilton, Ohio
See adv index at end of book
Massillon Foundry & Machine Co., Massillon, O.
PELS HENRY & CO., INC., 90 West, New York *See adv index at end of book*
Rock River Machine Co. ("Badger," Hand Power, etc), Jamesville, Wis.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill.
See adv index at end of book
Schatz Mfg. Co., Poughkeepsie, N. Y.
Williams, White & Co., 301 8th, Moline, Ill.

Quarrying Machinery & Supplies

See the Specific Article Required. If not classified, write us for information desired

8893— Quartering Machines

Niles-Bement-Pond Co. (Wheel), 111 B'way, New York
See adv index at end of book

8894— Quilting Machines

Lutz Co. Inc. ("Lutz"), Dept. H, Morris & Bambrey, Phila., Pa.

8895-6—Rack Cutting Machines

Bilton Machine Tool Co. (The) ("Bilton") (Automatic), Bridgeport, Conn.
Gould & Eberhardt, 97 N. J. RR. av, Newark, N. J.
LeBlond R. K. Mach. Tool Co., Cincinnati, O.
Walcott Lathe Co. (36x8, 60x10 & 96x10 in), Jackson, Mich.

8897—Rag Cutting Machines

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Black-Clawson Co., Hamilton, O.
Clark H. C. & Son Mach. Co., Lee, Mass.
Daniels Machine Co., Johnson, Vt.
Holyoke Machine Co., Holyoke, Mass.
Mills Machine Co., Lawrence, Mass.
Noble & Wood Mach. Co., Hoosick Falls, N. Y.
Perkins B. F. & Son ("Coburn-Taylor"), Holyoke, Mass.
Taylor, Stiles & Co., Riegelsville, N. J.

8898—Rag Thrashing Machines

Jolley J. & W. Inc., Holyoke, Mass.
Noble & Wood Mach. Co., Hoosick Falls, N. Y.
Norwood Engineering Co., Florence, Mass.

8899—Rail Bending & Straightening Machines

See also Benders, Rail

Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Elmes Chas. F. Engng. Wks., Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Fairbanks Morse & Co., 900 S Wabash av, Chicago, Ill.
HYDRAULIC PRESS MFG. CO. (Hydraulic "H. P. M."), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book
Kalamazoo R'y Supply Co., Kalamazoo, Mich.
Kane & Roach, Syracuse, N. Y.
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill.
See adv index at end of book
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book
United Engineering & Foundry Co. (Vertical for Rolling Mills), Farmers Bank bldg., Pittsburgh, Pa.
WATSON-STILLMAN CO. (Hydraulic), 38 Church, New York
See adv index at end of book
Wharton Wm. Jr. & Co., Inc., Easton, Pa
Williams, White & Co., 301 8th, Moline, Ill.

8900—Rail Cutting Machines

Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*
Ryerson Jos. T. & Son Co., Inc., 2558 W 16th, Chicago, Ill.
See adv index at end of book

8901—Rail Ending Machines

Consolidated Machine Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book

8902—Rail Sawing Machines

See also Cold-Saw Cutting-Off Machines; also Hot Sawing Machines

Aldon Co. ("Aldon" Portable Rail Saws), 3338 W Ravenswood av, Chicago, Ill.
Espen-Lucas Mach. Wks., Girard av & Front, Philadelphia, Pa.
Fox Bros. & Co., 126 Lafayette, New York
Highley Machine Co., Croton Falls, N. Y.
Industrial Works, Bay City, Mich.
Q. & C. Co. ("Q. & C."), Portable Hand Power), 90 West, New York
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*

8903—Railroad Cross Tie Machines

Greenlee Bros. & Co. (Automatic), Rockford, Ill.
Salem Iron Works, Salem, N. C.

8904—Railroad Track Laying Machines

Clyde Iron Works Sales Co., Duluth, Minn.
See adv index at end of book

8905— Raisin Machinery

Anderson-Barngrover Mfg. Co., 333 W Julian, San Jose, Cal.
Fresno Agricultural Works, Fresno, Cal.

8906—Rattan Weaving Machinery

Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.

8907—Reaming, Counterboring & Tapping Machines (Combined)

Pottstown Machine Co., Pottstown, Pa.

8908— Reaming Machines

American Machine Products Co., 18th & Howard, Detroit, Mich.
Busch J. C. Co. ("Milwaukee" Drill & Reamer), 140 Ferry, Milwaukee, Wis.
Foote- Burt Co., 13000 St Clair av, Cleveland, Ohio
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Stow Mfg. Co., Inc., Binghamton, N. Y.
See adv index at end of book

8909—Reaming Machines (Pipe Socket)

Taylor-Wilson Mfg. Co., McKees Rocks, Pa.

8909a— Rebuilt Machinery

Boustead Elec. & Mfg. Co., 18 E. Hennepin av, Minneapolis, Minn.
Dillon Supply Co., Raleigh, N. C.
Ross Power Equip. Co. (Broker), Merchants' Bank bldg, Indianapolis, Ind.
Simmons Machine Co., Inc., 937 B'way, Albany, N. Y.
Wayne Machinery Co., Ft. Wayne, Ind.

8910—Reclamation Machinery

Haslehurst W. W., 2122 Folsom, San Francisco, Cal.
Ryerson Jos. T. & Son, Inc. (Rail), 2558 W 16th, Chicago, Ill.
See adv index at end of book

Reducing Machines

See Swaging Machines

Refrigerating Machinery

See Ice & Refrigerating Machines

Registering Machines

See Counting Machines

8911— Relasting Machines

Gallagher Mfg. Co., Lynn, Mass.

8912-13—Rendering Machinery

Brecht Co., 1201 Cass av, St. Louis, Mo.
Dayton Beater & Hoist Co., 24 N Canal, Dayton, Ohio
Hydraulic Press Mfg. Co. (Lard, Oleo, etc.; "H. P. M."), 24 Lincoln av, Mount Gilead, O.
See adv index at end of book
Joubert & Goslin Mach. & Fdry. Co., 800 N 35th, Birmingham, Ala.
OIL & WASTE SAVING MACHINE CO., Real Estate Trust bldg, Philadelphia, Pa. *See adv index at end of book*

Rice Cleaning Machinery

See Coffee & Rice Cleaning Machinery

8914— Rice Mill Machinery

Barnard & Leas Mfg. Co. (Separators, Graders, Clippers, etc.), 403 20th, Moline, Ill.
Blymer Iron Works Co., Cincinnati, O.
Dibert L. C. Co., 35 Minna, San Francisco, Cal.
Howes S. Co., Inc. ("Eureka" Graders, Cleaners, Separators, Clippers & Polishers), Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor" Graders, Cleaners, Separators, Clippers, Polishers), Silver Creek, N. Y.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book

8915—Rice & Coffee Hulling Machinery

Barnard & Leas Mfg. Co. (Rice), Moline, Ill.
Blymyer Iron Works Co., Cincinnati, O.
Dines Wm. L., Jr. Co. ("Willmarc" Coffee), 17 Monterey, Worcester, Mass.
Engelberg Huller Co., Syracuse, N. Y.
Mason Marcus & Co., Inc., 201 Devonshire, Boston, Mass.
Nordyke & Marion Co., Kentucky av & Morris, Indianapolis, Ind.
Squier Geo. L. Mfg. Co., Buffalo, N. Y.
Treadwell M. H. Co., 140 Cedar, New York

8915a—Rifle Barrel Drilling & Reaming Machines

New England Westinghouse Co., Springfield, Mass.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book

8916—Rift Flooring Machines

Filer & Stowell Co. ("Cunningham," "Stowell"), Milwaukee, Wis.

8917—Rim Bending Machines

Defiance Machine Works, Defiance, O.

Rim Machines

See Hub, Spoke & Rim Machinery

8918—Ring Forming Machines (Automatic)

BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y. *See adv index at end of book*

8919—Ring & Loop Machinery

Reed Mfg. Co., Springfield, O.
Special Machinery Co. (Automatic), 38 Remer, Bridgeport, Conn.

8920— Rip Saw Machines

American Saw Mill Machinery Co., Hackettstown, N. J.
American Woodworking Machinery Co., Rochester, N. Y.
Barnes W. F. & Jno. Co., Rockford, Ill.
Beach Mfg. Co., Montrose, Pa.
Cordesman-Rechtin Co., Butler, Cincinnati, O.
Defiance Machine Works (Hand & Power Feed), Defiance, O.
Edwards W. W. (Bench), 716 N Main, Los Angeles, Cal.
Falls Machine Co., Sheboygan Falls, Wis.
Fay J. A. & Egan Co., Cincinnati, O.
Garland M. Co., Bay City, Mich.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Greenlee Bros. & Co. (Self Feed), Rockford, Ill.
Hall & Brown Woodworking Machine Co. (Iron Frame), 1911 N B'way, St. Louis, Mo.
Hermance Machine Co. (Adjustable Roll Self-Feed), Williamsport, Pa.
Holmes E. & B. Machinery Co., 59 Chicago, Buffalo, N. Y.
Johnson Safety Saw Works ("Speed Saw Table"), 20 Stillman, San Francisco, Cal.
See adv index at end of book
Jones Superior Machine Co. ("Superior" self-Feed, etc), 1264 W North av, Chicago, Ill.
Marston J. M. & Co. (Foot Power), 226 Ruggles, Boston, Mass.
Mershon W. B. & Co., Saginaw, Mich.
Newman Machine Co., Greensboro, N. C.
Ober Mfg. Co. (Self-Feed), Chagrin Falls, Ohio
Oliver Machinery Co. ("Oliver" Rip & Cut-Off Saws), Grand Rapids, Mich.
Power L. & Co. (Self Feed), 20 S. 23rd, Phila., Pa.
Root B. M. Co., York, Pa.
Sidney Machine Tool Co., Sidney, O.
SINKER-DAVIS CO. ("Hoosier" Self-Feed), Indianapolis, Ind.
Victory Mach. & Lbr. Co., Inc., Buffalo, N. Y.
Woods Engineering Co. ("Hick," Self-Feed & Automatic Return), Alliance, O.
Yates P. B. Machine Co., Beloit, Wis.

8920a—Rivet Cutting Machines

King Pneumatic Tool Co., 1734 Armitage av, Chicago, Ill.
See adv index at end of book
Rivet Cutting Gun Co., 116 E Third, Cincinnati, O.

8921—Rivet Heading Machines

Acme Machinery Co., 4533 St. Clair av, Cleveland, O.
Ajax Mfg. Co. (Automatic & Hand Feed), 3830 Lakeside av, Cleveland, O.
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Cook Asa S. Co. (Single Blow Only), Hartford, Conn.
Manville E. J. Machine Co., Waterbury, Conn.
National Machinery Co., Tiffin, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Williams, White & Co., 301 8th, Moline, Ill.

8922— Rivet Machinery

Acme Machinery Co., 4533 St. Clair av, Cleveland, O.
Ajax Mfg. Co. (Automatic & Hand Feed), 3830 Lakeside av, Cleveland, O.
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
Coulter & McKenzie Mach. Co., 771 Water, Bridgeport, Conn.
Draher Jno., Waterbury, Conn.
Manville E. J. Mach. Co., Waterbury, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Williams, White & Co., 301 8th, Moline, Ill.

8923—Rivet Spinning Machines

Grant Mfg. & Machine Co. ("Grant"), Bridgeport, Conn.
Stecher Chas. Co. ("High Speed"), 2452 Greenview av, Chicago, Ill.
Wilcor Mfg. Co., 4824 W Lake, Chicago

8924—Rivet & Hook Applying Machines

Tubular Rivet & Stud Co., 87 Lincoln, Boston, Mass.

8925—Rivet & Staple Setting Machines

Standard Rivet Co., 41 Lincoln, Boston, Mass.
Thomson Judson L. Mfg. Co. (Automatic Driving & Setting), Waltham, Mass.

8926— Riveting Machines

See also Pneumatic Riveters

ALLEN JOHN F. CO., 370 Gerard av, New York
Bertsch & Co. (& Punching Combined), Cambridge City, Ind.
Bilton Machine Tool Co. ("Bilton" Rotary Blow), 990 Housatonic av, Bridgeport, Conn.
Blomquist-Eck Machine Co., 1146 E 152d, Cleveland, Ohio
Buffalo Forge Co. (Power), 490 Broadway, Buffalo, N. Y.
Chambersburg Engineering Co., Chambersburg, Pa.
Coates Clipper Mfg. Co. (Portable, Electric Driven), 237 Chandler, Worcester, Mass.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Grant Mfg. & Mach. Co. ("Grant" Vibrator), Bridgeport, Conn.
High Speed Hammer Co., Inc., 313 Norton, Rochester, N. Y.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Kane & Roach, Syracuse, N. Y.
Kobert Machine Co., Inc. (Automatic Electric), 480 Lexington, New York
Long & Allstatter Co., Hamilton, O.
Morgan Engineering Co., Alliance, O.
Pawtucket Mfg. Co., Pawtucket, R. I.
Rock River Machine Co. ("Badger," Hand Power, etc), Janesville, Wis.
Schramm Chris. D. & Son, Inc., 709 Arch, Phila., Pa.
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
SHUSTER F. B. CO. (Elastic Rotary Blow, etc), Cedar Hills, New Haven, Conn. *See adv index at end of book*
Smith F. H. Mfg. Co. ("Rex," "Victor"), 3047 Carroll av, Chicago, Ill.
SOUTHWARK FOUNDRY & MACHINE CO. (Hydraulic & Pneumatic), 1128 S 4th, Phila., Pa.
See adv index at end of book
Star Heel Plate Co. ("Clincher"), Wilson av, Newark, N. J.
STIMPSON EDWIN B. CO., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Townsend H. P. Mfg. Co. (Multi-Blow High Speed), Hartford, Conn.
Wickes Bros., Saginaw, Mich.
See adv index at end of book
Williams, White & Co., Moline, Ill

8927-8—Riveting Machines (Electric)

Kobert Machine Co. Inc., 480 Lexington, New York
Thomson Electric Welding Co. ("Thompson"), Lynn, Mass.

8929—Riveting Machines (Hand)

CHICAGO PNEUMATIC TOOL CO., 6 E 44th, New York.
See adv index at end of book
Fate-Root-Heath Co. ("Ideal," "Plymouth Rock"), Plymouth, O.
See adv index at end of book
Smith F. H. Mfg. Co. ("Best Yet," "Improved Sight Feed," "Pony," "Rex," "Simplex," Hand & Foot Power for Tubular or Bifurcated Harness & Shoe Riveting, etc), 3047 Carroll av Chicago, Ill.
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Williams A. C. Co. ("Tom-Thumb," "Acme," "Handy," "Uncle Sam," "Little Giant"), Ravenna, O.

8930—Riveting Machines (Hoop)

Strait H. N. Mfg. Co., Kansas City, Kans.

8931—Riveting Machines (Hydraulic)

Alliance Machine Co., Alliance, O.
Chambersburg Engng. Co., Chambersburg, Pa.
Morgan Engineering Co. (Solid Stake Loose Head; also Two-Piece Stake, etc.), Alliance, O.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
SOUTHWARK FOUNDRY & MACHINE CO., 1128 S 4th, Phila., Pa.
See adv index at end of book
WATSON-STILLMAN CO., 38 Church, New York *See adv index at end of book*
Wood R. D. & Co., 400 Chestnut, Phila., Pa.
Wood W. H., Media, Pa.

8932-3—Riveting Machines (Hydraulic Lifting)

Wood R. D. & Co., 400 Chestnut, Phila, Pa.

Riveting Machines (Pneumatic)

See Pneumatic Riveters

8934—Riveting Machines (Portable)

See also Pneumatic Riveters

Chambersburg Engineering Co., Chambersburg, Pa.
Independent Pneumatic Tool Co., 600H W Jackson blvd, Chicago, Ill.
Southwark Foundry & Machine Co. (Hydraulic & Pneumatic), 1128 S. 4th, Phila., Pa. *See adv index at end of book*
Wood R. D. & Co. (Hydraulic), 400 Chestnut, Phila., Pa.
Wood Wm. H., Media, Pa.

8935—Riveting Machines (Rotary Blow)

Bilton Machine Tool Co. (The) ("Bilton"), Bridgeport, Conn.
High Speed Hammer Co., Inc. (Elastic), 313 Norton, Rochester, N. Y.
SHUSTER F. B. CO. (Elastic), Cedar Hills, New Haven, Conn.
See adv index at end of book
Williams, White & Co., 301 8th, Moline, Ill.

8936—Riveting Machines (Spoke)

Williams, White & Co., Moline, Ill.

8937—Riveting Machines (Stake)

Chambersburg Engineering Co., Chambersburg, Pa.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Rock River Machine Co. ("Badger"), Janesville, Wis.
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book
Wickes Bros., Saginaw, Mich.
See adv index at end of book

8938-9—Riveting Machines (Steam)

Chambersburg Engineering Co., Chambersburg, Pa.
Morgan Engineering Co., Alliance, O.

Road Making Machinery

See Asphalt Machinery: Concrete Mixers; Ditching Machines; Plows, Contractors'; Road Machines & Graders; Road Scrapers, Drag & Wheel; Rock & Ore Crushers; Rollers, Steam Road

For all other Road Making Specialities, see Index of Contents

8940—Rock Drill Sharpening Machines

See also Drill Sharpening Machines

INGERSOLL-RAND C. ("Leyner"), 11 B'way, New York
See adv index at end of book

8941—Rocker Cut-Off Sawing Machines

Connell & Dengler Mach. Co., Rochester, N. Y.

8942—Rod Heading Machines

BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Manville E. J. Machine Co., Waterbury, Conn.
National Machy. Co., Tiffin, O.

8942a—*Rod Mill Machinery

BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Phila. Roll & Machine Co., Dept. H, 52nd & Grays av, Phila., Pa.
Vaughn Machinery Co. (The), Cuyahoga Falls, Ohio

8943—Rod or Bar Drawing Machines

Brightman Mfg. Co., Columbus, O.
Morgan Construction Co., Worcester, Mass.

8944—Rod, Pin & Dowel Machines

American Wood Working Machinery Co., Rochester, N. Y.
Baker Bros., Toledo, O.
Dauber Bell Machine Co., Oshkosh, Wis.
Fay J. A. & Egan Co., Cincinnati, O.
Goodspeed Machine Co., Winchendon, Mass.
Ober Mfg. Co., Chagrin Falls, O.
Smith H. B. Machine Co., Smithville, N. J.
Trevor Mfg. Co., Lockport, N. Y.

8945—Rod & Tube Drawing Machines

BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Richard Mfg. Co., Bloomsburg, Pa.
Stolp Co., Inc., Geneva, N. Y.

8946-7—Rod & Tube Pointing Machines

BLISS CO., E. W., 53rd & 1st av., Brooklyn, N. Y.
See adv index at end of book
Morgan Construction Co., Worcester, Mass.
TORRINGTON CO. THE, Excelsior Plant ("Dayton"), Torrington, Conn.
See adv index at end of book

8948—Roll Grooving Machines

Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Morgan Construction Co., Worcester, Mass.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book

8949—Roll Straightening & Finishing Machines

Brightman Mfg. Co., Columbus, O.
Medart Company, The 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*

8950—Roll Threading Machines

National Machinery Co. (Vertical), Tiffin, Ohio

8951—Rolling Mill Machinery

See also Tin Plate Mill Machinery, etc.

Ætna Foundry & Machine Co. (The), Warren, Ohio
Alliance Machine Co., Alliance, O.
Bertsch & Co., Cambridge City, Ind.
Bethlehem Steel Co., South Bethlehem, Pa.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Birmingham Iron Foundry, Derby, Conn.
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Bruce-Macbeth Engine Co., Cleveland, O.
Cleveland Machine & Mfg. Co., 4944 Hamilton av, Cleveland, O.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Danville Iron & Steel Co., Danville, Pa.
Elyria Machine Co., Elyria, Ohio
Farrel Foundry & Machine Co. (For Brass, Copper, Zinc, Brittania, etc), 30 Main, Ansonia, Conn.
See adv index at end of book
Fawcus Machine Co. (Gears & Special Machinery), 2818-2828 Smallman, Pittsburgh, Pa. *See adv index at end of book*
Ferracute Machine Co. (For Coining Strips), Bridgeton, N. J.
Fulton Iron Works Co., St. Louis, Mo.
Hyde Park Foundry & Machine Co., Hyde Park, Pa.
Johnston & Jennings Co., Addison rd & N. Y. C. R. R., Cleveland, O.
Lewis Foundry & Machine Co., Farmer's Bank bldg, Pittsburgh, Pa.
Mackintosh-Hemphill Co., 12th & Etna, Pittsburgh, Pa.
MESTA MACHINE CO., Box 1124, Pittsburgh, Pa.
See adv index at end of book
Morgan Construction Co., Worcester, Mass.
Morgan Engineering Co., Alliance, O.
National Roll & Foundry Co. (For Sheet & Tin Plate Mills), Avonmore, Pa.
Newbold R. S. & Son Co., Norristown, Pa.
Ohl Geo. A. & Co., 159 Oraton, Newark, N. J.
PHILADELPHIA ROLL & MACHINE CO., 52d & Grays av, Phila., Pa.
Phillips & McLaren, 24th & Smallman, Pittsburgh, Pa.
POOLE ENGINEERING & MACHINE CO., Woodberry, Baltimore, Md.
See adv index at end of book
Reeves Bros. Co., Alliance, O.
See adv index at end of book
Rosedale Foundry & Machine Co., Columbus & Preble, Pittsburgh, Pa.
Seaman-Sleeth Co. (Sand & Chilled Rolls Only), 41 & Willow, Pittsburgh, Pa.
Southwark Foundry & Machine Co. (Iron & Steel), 1128 S. 4th, Phila., Pa.
See adv index at end of book
Standard Engineering Co., Ellwood City, Pa.
Sterritt-Thomas Foundry Co., 32d & Smallman, Pittsburgh, Pa.
SUTTON-ABRAMSEN ENGINEERING CO., 1309 Park bldg, Pittsburgh, Pa.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
Torrington Mfg. Co., Torrington, Conn.
Treadwell Engineering Co., Easton, Pa.
See adv index at end of book

TREADWELL ENGINEERING CO
EASTON PA
ROLLING MILL MACHINERY
Designed and Built Complete Plants or Single Units

Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
United Engineering & Foundry Co., Farmers' Bank bldg, Pittsburgh, Pa.
Weimer Machine Works Co., Lebanon.
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, Ohio
Wheeling Mold & Foundry Co., Wheeling, W. Va.
Youngstown Engineering Co., Youngstown, O.
Youngstown Foundry & Machine Co., Youngstown, O.

8952— Roofing Machines

AMERICAN ASPHALT MACHINERY CO., 118 St. Clair av, N E, Cleveland, Ohio
See adv index at end of book
Burritt O. W. & Bro., Weedsport, N. Y.
Guyton & Cumfer Mfg. Co., 4451 Fillmore, Chicago, Ill.
Niagara Machine & Tool Works (Sheet Metal), Buffalo, N. Y.

8953—Roofing Paper Machines

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Haberkamp Wm. Machine Works (Two or Three Ply), 442 Wells, Chicago, Ill.
Kinmont Mfg. Co., 5420 Santa Fe av, Los Angeles, Cal.
Moore & White Co., N 15th & Lehigh av., Phila. Pa.

8954—Roofing Tile Cutting Machines

Hadfield-Penfield Steel Co. (The), Bucyrus, Ohio *See adv index at end of book*
Kinmont Mfg. Co., 5420 Santa Fe av, Los Angeles, Cal.

8955—Roofing Tile Machinery

Fate-Root-Heath Co., Plymouth, O.
See adv index at end of book
Hadfield-Penfield Steel Co. (The), Bucyrus, Ohio *See adv index at end of book*
International Clay Machy. Co., Dayton, O.

8956—Rope Molding Machines

Valley City Mach. Works, Grand Rapids, Mich.

8957—Rosette & Corner Block Machines

Pringle & Brodie, 514 S Canal, Chicago, Ill.
Valley City Mach. Works, Grand Rapids, Mich.
Yates P. B. Machine Co., Beloit, Wis.

8958—Rotary Printing & Rewinding Machines

Kidder Press Co., Dover, N. H.

8959—Round Cornering Machines

Latham Machinery Co. ("Monitor"), 1153 Fulton, Chicago, Ill.
Seybold Machine Co. ("Seybold"), Dayton, O.
Southworth Machine Co. ("Sterling" for Round Cornering Booklets, Catalogs, etc., also Attachments for Loose Leaf Punching), Warren av, Portland, Me.

8960— Routing Machines

Automatic Engraving & Mfg. Co., Inc., 476 B'way, New York
Cordesman-Rechtin Co., 215 Butler, Cincinnati, Ohio
De Walt R. E. ("Dew-All"), Bridgeton, N. J.
Gallmeyer & Livingston ("Valley City" & "Union" Wood), Grand Rapids, Mich
Porter C. O. Machinery Co., 666 Front av, Grand Rapids, Mich.
Reed-Prentice Co. (Die Sinker), 677 Cambridge, Worcester, Mass.
Royle Jno. & Sons (Die Sinkers), Paterson, N. J.
Smith H. B. Machine Co., Smithville, N. J.

8961—Rubber Band Cutting Machines

Adamson Machine Co., Akron, O.
Birmingham Iron Foundry, Derby, Conn.
Crossley Machine Co., State & Chestnut av, Trenton, N. J.
Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.

8962—Rubber Belt Making Machinery

Birmingham Iron Foundry ("Birmingham"), Derby, Conn.
Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn.
See adv index at end of book
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book

8963—Rubber Belt Slitting Machines

Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn.
See adv index at end of book

8964—Rubber Belt Stretching Machines

Birmingham Iron Foundry ("Birmingham"), Derby, Conn.
Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn.
See adv index at end of book
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book

8965—Rubber Calendering Machines

Adamson Machine Co., Akron, Ohio
Birmingham Iron Foundry ("Birmingham"), Derby, Conn.
FARREL FOUNDRY & MACHINE CO., 30 Main, Ansonia, Conn.
See adv index at end of book
Lobdell Car Wheel Co., Wilmington, Del.
Thropp Wm. R. & Sons Co., Trenton, N. J.
Vaughn Machinery Co., Cuyahoga Falls, Ohio
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, Ohio

8966—Rubber Cement Mixing Machines

Abbe Paul O. Inc ("Abbebilt"), 71A Murray, New York
See adv index at end of book
American Tool & Machine Co., 10 High, Boston, Mass.
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
National Engineering Co., 549 W Washington blvd, Chicago, Ill.
Quin Roy D, Willoughby, Ohio

8966a—Rubber Covered Wire Panning Machines

Am. Insulating Machinery Co., Huntingdon & Fairhill, Phila., Pa.

8967—Rubber Doubling Machines

American Tool & Machine Co. (For Automobile Cloths, Waterproofing), 10 High, Boston, Mass.
Birmingham Iron Foundry ("Birmingham"), Derby, Conn.
Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn.
See adv index at end of book

8968—Rubber Grinding & Mixing Machines

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York
See adv index at end of book
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Birmingham Iron Foundry ("Birmingham"), Derby, Conn.
Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn.
See adv index at end of book
Lobdell Car Wheel Co., Wilmington, Del.
National Engineering Co., 549 W Washington blvd, Chicago, Ill.
Thropp Wm. R. & Sons Co., Trenton, N. J.
Vaughn Machinery Co., Cuyahoga Falls, Ohio
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, Ohio

8969—Rubber Hose Braiding Machines

New England Butt Co., 304 Pearl, Providence, R. I.
Textile Machine Works, Reading, Pa.

8970—Rubber Hose Making Machines

Adamson Machine Co., Akron, O.
Baker Wm. H., Trenton, N. J.
Birmingham Iron Foundry ("Birmingham"), Derby, Conn.

Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn.
See adv index at end of book
New England Butt Co., 304 Pearl, Providence, R. I.
Royle Jno. & Sons, Paterson, N. J.

8971—Rubber Hose Wiring Machines

Baker Wm. H., Trenton, N. J.

8972—Rubber Mill Machinery

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York
See adv index at end of book
Adamson Machine Co. ("Adamson"), Akron, Ohio
American Tool & Machine Co. (Churns, Cement Mixers & Spreaders Doublers), 10 High, Boston, Mass.
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Biggs Boiler Works Co., Case av & Williams, Akron, O.
See adv index at end of book
Birmingham Iron Foundry ("Birmingham"), Derby, Conn.
Everhard Mfg. Co., 317 Schroyer S W, Canton, Ohio
FARREL FOUNDRY & MACHINE CO., 30 Main, Ansonia, Conn.
See adv index at end of book
Franklin Machine Co. (Ball Bearing Shoe Cars, Shoe Pins, Shoe Stands & Shoe Sticks), Providence, R. I.
See adv index at end of book
Hintz Mfg. Co., 1008 S Kilbourn, Chicago, Ill.
Lobdell Car Wheel Co., Wilmington, Del.
Mackenzie's Duncan Sons Co., Trenton, N. J.
Peerless Machine Co. (Crude Rubber Slicing Machinery), 1630 Racine, Racine, Wis.
Phila. Roll & Machine Co., 52d & Grays av, Phila., Pa.
Rich J. & G., 126 E 6th, Phila., Pa.
SOUTHWARK FOUNDRY & MACHINE CO., 1128 S 4th, Phila., Pa.
See adv index at end of book
Thropp Wm. R. & Sons Co., Trenton, N. J.
UNITED MACHINE & MFG. CO. (Special), Canton, O.
VAUGHN MACHINERY CO. (Equipment), Cuyahoga Falls, Ohio
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, Ohio

8973—Rubber Mixing Machines

Abbe Paul O. Inc ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Banner Machine Co., Columbiana, Ohio
Day J. H. Co., Cincinnati, O.
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Palmer Equipment Corp., 2741 Clybourn, Chicago, Ill.
Phila. Coppersmithing Co., 808 N Front, Phila., Pa.
Vaughn Machinery Co. (& Refining), Cuyahoga Falls, Ohio

8974—Rubber Reclaiming Machinery

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Allen Machine Co., Erie, Pa.
American Process Co., 68 William, New York
Birmingham Iron Foundry ("Birmingham"), Derby, Conn.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Mitts & Merrill, 1939 S Water, Saginaw, Mich.
Palmer Equipt Corpn, Railway Exchange Bldg, Chicago, Ill.
Royle Jno. & Sons, Paterson, N. J.

8975—Rubber Refining Machines

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York
See adv index at end of book
Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn.
See adv index at end of book
Thropp Wm. R. & Sons Co., Trenton, N. J.

8976—Rubber Shoddy Washing Machines

Baker Wm. H., Trenton, N. J.

8977—Rubber Slitting Machines

Cameron Machine Co. (& Roll Winding), 61 Poplar, Brooklyn, N. Y.

8978—Rubber Solution Machines

Abbe Paul. O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.

8979—Rubber Spreading Machines

American Tool & Machine Co., 10 High, Boston, Mass.
New England Butt Co., 304 Pearl, Providence, R. I.

8980—Rubber Straining Machines

Allen Machine Co., Erie, Pa.
Housatonic Mach. & Tool Co., Bridgeport, Conn.

8981—Rubber Strip Cutting Machines

New England Butt Co., 304 Pearl Providence, R. I.

8982—Rubber Tire Applying Machinery

Pettigrew Foundry ("Burlington," for Applying Carriage Tires), Harvey, Ill.

8983—Rubber Tire Machines

Akron Equipment Co., Akron, Ohio
Elyria Machine Co., Elyria, O.
Knight Mfg. Co., 1514 Market, Canton, O.
Royle Jno. & Sons, Paterson, N. J.
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book

8984—Rubber Tube Making Machines

Adamson Machine Co., Akron, O.
Allen Machine Co., Erie, Pa.
Farrel Foundry & Machine Co., 30 Main, S Ansonia, Conn.
See adv index at end of book
Royle Jno. & Sons, Paterson, N. J.

8985—Rubber Tubing Machines

Allen Machine Co., Erie, Pa.
Housatonic Mach. & Tool Co., Bridgeport, Conn.
Royle John & Sons, Paterson, N. J.
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, Ohio

8986—Rubber Varnishing Machines

Birmingham Iron Foundry ("Birmingham"), Derby, Conn.

8987—Rubber Vulcanizing Machines

BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Federal Engineering Co., H Drexel bldg, Phila., Pa.
SOUTHWARK FOUNDRY & MACHINE CO., 112 S 4th, Phila., Pa.
See adv index at end of book
WILLIAMS FOUNDRY & MACHINE CO. ("Akron-Williams"), Akron, Ohio
See adv index at end of book

8988—Rubber Warming Machines

Palmer Equip't Corpn, 2741 Clybourn, Chicago, Ill.
Thropp Wm. R. & Sons Co., Trenton, N. J.

8989—Rubber Washing Machines

Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Birmingham Iron Foundry ("Birmingham"), Derby, Conn.
Farrel Foundry & Machine Co. (2, 3 & 4 Roll), 30 Main, Ansonia, Conn.
See adv index at end of book
Thropp Wm. R. & Sons Co., Trenton, N. J.
Vaughn Machinery Co. (Tub Washers, Roll Washers & Crockers), Cuyahoga Falls, Ohio

8990—Rubbing Machines (Pneumatic)

Anderson Bros. Mfg. Co., Rockford, Ill.
Paaschke Air Brush Co., 1249 W. Washington blvd, Chicago, Ill.
Rockford Tool Co., Rockford, Ill.

8991—Rubbing, Polishing & Sanding Machines

Curry J. W. Co. (Axle Sanding), 2615 Cummins, Cincinnati, O.
Curtis Machine Corp., Jamestown, N. Y.
Electric Rotary Machine Co. ("Electric Rotary Machine"), 3825 W Lake, Chicago, Ill.
Maddox Machine Co., Jamestown, N. Y.
Mattison C. Machine Works (Electric for Furniture Mfrs), Rockford, Ill.

8992-3-4—Ruching Ruffling Machines

Diamond Pointed Tool Co. (Diamonds), 141H Fulton, New York
Lindner & Vradenburgh, 239 Centre, New York

8995— Ruling Machines

Blackhall Mfg. Co. 196 Seneca, Buffalo, N. Y.
Diamond Pointed Tool Co. (Diamonds), 101H Beekman, New York
Fuller E. C. Co. (Automatic Feeders), 23 Reade, New York.
Hickox W. O. Mfg. Co., Harrisburg, Pa.
Hope John & Sons Engraving & Mfg. Co., 1 Mashapaug, Providence, R. I.
McAdams John & Sons, 978 Kent av, Brooklyn, N. Y.
Royle Jno. & Sons (Engravers), Paterson, N. J.

8996—Saddle Seat Machines

Defiance Machine Works (Bars or Trees), Defiance, Ohio
Gardner Machine Works, Gardner, Mass.

8997— Safety Pin Machinery

Baird Machine Co. ("Automatic"), Stratford av, Bridgeport, Conn.
Manville E. J. Machine Co., Waterbury, Conn.

8998—Salt Making Machinery

(Names with * also manufacture Monel Metal)

*Beckley Perforating Co., Garwood, N. J.
*Cleveland Wire Cloth Co., Cleveland, O.
*Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
Hydraulic Press Mfg. Co. (Hydraulic Blocking Presses, "H. P. M."), 24 Lincoln av, Mount Gilead, Ohio
See adv index at end of book
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp., C. O., Southport, Conn.
*Magosy & Buscher, 232 Canal, New York
*Munning & Co., A. P., Matawan, N. J.
Phila. Coppersmithing Co., 808 N Front, Phila., Pa.
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co., John P., New Haven, Conn.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co., W. S., Cleveland, O.
Wilcox Engineering Co. (Automatic Rakers for Grainers), 1525 Holland av, Saginaw, Mich.

8999— Salt Well Machinery

Manistee Iron Works Co., Manisteer, Mich.
Wilcox Engineering Co. (For Salt Works), 1525 Holland av, Saginaw, Mich.

9000— Sand Blast Machines

American Foundry Equipment Co., The ("American"), 366 Madison av, New York
Astle H. J. & Co. ("Boland," Automatic Self-Feeding), 118 Orange, Providence, R. I.
Busch J. C. Co., 140 Ferry, Milwaukee, Wis.
Gray Machine & Parts Corp., Dept H, Batavia, N. Y.
HOEVEL MFG. CORP. ("Hoevel"), 166 Ogden av, Jersey City, N. J.
Illinois Mfg. & Supply Co., Quincy, Ill.
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Leiman Bros. (For Brass Workers, Jewelers, etc), 60-62 Lispenard, New York
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

We build Hose Type Machines, Tumbling Barrels, Tables, Cabinets and a full line of this type machinery.

MACLEOD CO., 2227 Bogen St., Cincinnati, O.

Mott Sand Blast Mfg. Co., 24 S Clinton, Chicago, Ill., & 2-8 Frost, Brooklyn, N. Y.
New Haven Sand Blast Co. ("New Haven," also equipment), New Haven, Conn.
Paxson J. W. Co. ("Paxon Warren"), Dept. H, Nicetown Lane & D, Phila., Pa.
Sippel Theo. A. (For Brass Workers, Nickel Platers, etc), 205 McWhorter, Newark, N. J.
Sly W. W. Mfg. Co., 4720 Train av, Cleveland, O.
Standard Equipment Co. ("Standard," also Equipment), 185 Church, New Haven, Conn.
Tilghman-Brooksbank Sand Blast Co. ("Tilghman," "Matthewson"), 1126 S 11th, Phila., Pa.

9001—Sand-Lime Brick Machinery

See also Brick Press Machines, etc

Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Hadfield-Penfield Steel Co. (The), Bucyrus, O. *See adv index at end of book*
Jackson & Church Co., Saginaw, Mich.
Wilmington Iron Works (Fertilizer Mixers, Pulverizers, Shaking Screens, Car Hauls, Automatic Dump Cars, etc. & Special Machinery), Wilmington, N. C.

9002—Sand Mixing Machines

AMERICAN FOUNDRY EQUIPMENT CO., THE (Foundry Sand), 366 Madison av, New York.
Barbour Stockwell Co. ("Boston"), Cambridge, Mass.
Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Blystone Mfg. Co., Cambridge Springs, Pa.
Dunning & Boschert Press Co., Inc., 379 W Water, Syracuse, N. Y.
See adv index at end of book
Erie Machine Shops, Erie, Pa.
Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn.
See adv index at end of book
Frost Mfg. Co., Galesburg, Ill.
Hanna Engineering Works ("Hanna" Foundry), 1764 Elston av, Chicago, Ill.
Hadfield-Penfield Steel Co. (The), (Grinding & Mixing), Bucyrus, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
McCormick J. S. Co., 25th & A. V. R. R., Pittsburgh, Pa.
NATIONAL ENGINEERING CO. ("Simpson"), 549 W Washington blvd, Chicago, Ill.
Sand Mixing Machine Co., 52 Vanderbilt av, New York
Sellers Wm. & Co., 1600 Hamilton, Philadelphia, Pa.
Sly W. W. Mfg. Co., 4700 Train av, Cleveland, O.
Smith T. L. Co., 1151 32d, Milwaukee, Wis.
See adv index at end of book
Standard Sand & Machine Co., 5150 St. Clair av, Cleveland, O.
Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.
Vulcan Engineering Sales Co. ("Milwaukee" Foundry), 1764 Elston av, Chicago, Ill.
Wadsworth Core Machinery & Equipment Co., 10 W Buchtel, Akron, O.

Sand Molding Machines

See Molding Machines, Foundry

9003—Sand Paper Making Machinery

Waldron Jno. Co., New Brunswick, N. J.

9004—Sand Papering Machines

American Wood Working Machinery Co., Rochester, N. Y.
Beach Mfg. Co., Montrose, Pa.
Black Bros. Co. (The) Inc., Mendota, Ill.
See adv index at end of book
Cordesman-Rechtin Co., Butler, Cincinnati, O.
Defiance Machine Works, Defiance, O.
Elec. Rotary Mach. Co. ("Electric Rotary Machine"), 3825 W Lake, Chicago, Ill.
Fay J. A. & Egan Co., Cincinnati, O.
Gardner Machine Works ("Gardner" Horizontal Drum), Gardner, Mass.
Jenkins Machine Co. (For Sanding the ends of Chair Seats, etc), Sheboygan, Wis.
Lucas Machine Co., Jamestown, N. Y.
Maddox Machine Co. (Belt), Jamestown, N. Y.
Mattison C. Machine Works, Rockford, Ill.
Nash J. M. ("Nash" Automatic Sanders & Polishers), 842 30th, Milwaukee, Wis.
National Woodworking Machine Co., Dover, N. H.
Redin, Ekstrom & Co. (Also Belt & Roller Sanders), Rockford, Ill.
See adv index at end of book
Rockford Tool Co. (Belt), Rockford, Ill.
Smith H. B. Machine Co., Smithville, N. J.
Yates P. B. Machine Co., Beloit, Wis.

Sand Sifting Machine

See Sifters, Sand

9005—Sander & Boring Machines

Smith H. B. Machine Co. (Sander), Smithville, N. J.
Porter-Cable Machine Co., The, 708 N Salina, Syracuse, N. Y.
See adv index at end of book

9006— *Sanding Machinery

PORTER-CABLE MACHINE CO. ("Syracuse Sanders" Disc, Spindle and Belt Models. Portable, Motor Driven), 708 N Salina, Syracuse, N. Y.

9007—Sanding & Polishing Machinery

Bicknell Mfg. & Supply Co. ("Bicknell's" Belt), Janesville, Wis.
Defiance Machine Works, Defiance, O.
De Walt R. E. ("Dew-All"), Bridgeton, N. J.
Jones Superior Mach. Co. (Drum), 1264 W. North av, Chicago, Ill.
Kent Co. ("Utility" Floor), 57 Dominick, Rome, N. Y.
Maddox Machine Co., 63H S Main, Jamestown, N. Y.
Nash J. M., 842 30th, Milwaukee, Wis.
Ober Mfg. Co., Chagrin Falls, O.
Peerless Pneumatic Systems, Inc., 108 N Jefferson, Chicago, Ill.
Redin-Ekstrom & Co., 1439 Railroad av, Rockford, Ill.
See adv index at end of book
Valley City Machine Works ("Champion" Bench Sander for Spindle Carvings), Grand Rapids, Mich.
Yates P. B. Machine Co., Beloit, Wis.

9008— Sanitary Can-Making Machinery

Ams Max Machine Co., 101 Park av, New York *See adv index at end of book*
Angelus Sanitary Can Mach. Co. ("Angelus"), **Pacific blvd. at 49th, Los Angeles, Cal.**
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.
McDonald Mach. Co., 7600 S. Racine av, Chicago, Ill.
Premier Machinery Co., Oakland, Cal.

9009—Sanitary Earthenware Machinery

Ivens Wm. H. Sons Co., P. O. Box, 647 Trenton, N. J.

9010— Sash Chain Machines

Nilson A. H. Machine Co. (Automatic), 55 William, Bridgeport, Conn.

9011—Sash, Door & Blind Machinery

American Woodworking Mach'y Co., Rochester, N. Y.
Fay J. A. & Egan Co., Cincinnati, O.
Greenlee Bros. & Co., 12th, Rockford, Ill.
Hall & Brown Woodworking Machine Co., 1911 N B'way, St. Louis, Mo.
Hayes E. B. Machinery Corp., Oshkosh, Wis.
Power L. & Co., 20 S 23d, Phila., Pa.
Victory Mach. & Lbr. Co., Inc., Buffalo, N. Y.
Yates P. B. Machine Co., Beloit, Wis.

9012-3—Sash Grooving Machines

Smith & Phillips Mfg. Co., 30 N Jefferson, Chicago, Ill.

9014—Saturating Machinery for Paper Mills

Haberkamp Wm. Machine Works, 442 Wells, Chicago, Ill.

9015—Sausage Making Machines

See also Stuffers, Sausage

Allbright-Well Co. (Cross Cutting Machines), 5315 Western av, Chicago, Ill.
Brecht Co., 1201 Cass av, St. Louis, Mo.
Oppenheimer S. & Co., 2700 S Wabash av, Chicago, Ill.
Smith John E. Sons Co. ("Buffalo Silent" Cutters & Grinders), 50 B'way, Buffalo, N. Y.

9016—Saw Filing & Setting Machines

See also File Room Machinery; also Band Saw Filing & Setting Machines
Allis-Chalmers Mfg. Co. (Saw Mill Equipment), Milwaukee, Wis.
See adv index at end of book
Ambler Saw Mfg. Co., Natick, Mass.
American Saw Mill Machinery Co., Hackettstown, N. J.
Baldwin, Tuthill & Bolton, ("Bolton" Filer), Grand Rapids, Mich.
Covel Mfg. Co. (Power Setting), Benton Harbor, Mich.
Disston Henry ("Ideal"), Widener bldg, Phila., Pa.
Hanchett Swage Works (For Hand Saws), Big Rapids, Mich.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
New Britain Machine Co. ("New Britain") 190 Chestnut, New Britain, Conn.
Oliver Machinery Co., Grand Rapids, Mich
Sidney Machine Tool Co. ("Famous"), Sidney, O.
Sterns E. C. & Co., 450 Oneida, Syracuse, N. Y.

9017—Saw Fitting Machinery

Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Covel Mfg. Co., Benton Harbor, Mich.
Gerlach Peter Co., 1708 Columbus, Cleveland, O.
Hanchett Swage Works, Big Rapids, Mich.
Machy. Co. of America, Big Rapids, Mich.
Oliver Machinery Co., Grand Rapids, Mich.
White A. E. Machine Works Eau Claire, Wis.

9018—Saw Making Machinery

Hess Machine Works (Saw Setting & Cutting Machines), 4951 Lancaster, Phila., Pa.

9019-20—Saw Mill Machinery

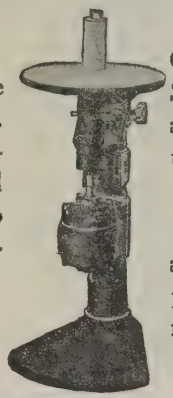
See also Saw Mills, Various Kinds; also Shingle Mill Machinery; also Lath Mills & Bolters; also Lath & Picket Mills
Adams W. T. Machine Co., Corinth, Miss.
Albany Iron Works, Albany, Ore.
ALLIS-CHALMERS MFG. CO. ("Allis," "Allis-Chalmers," "Reliance"), Milwaukee, Wis.
See adv index at end of book
American Saw Mill Machinery Co., Hackettstown, N. J.
Appomattox Iron Works & Supply Co., Petersburg, Va.
Arcadia Trailer Co. ("Arcadia" Portable Type), Newark, N. Y.
Ashland Iron Works, Ashland, Ore.
Atwood & Jones Mfg. Co., Stillwater, Minn.
Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Barnard Mfg. Co., N 1324 Ash, Spokane, Wash.
Bartlett A. F. & Co., Saginaw, Mich.
Bartley Wm. & Sons, Bartley, N. J.
Bolinder Co. ("Bolinder"), 30 Church, New York.
California Saw Works, 721H Brannon, San Francisco, Cal.
Challoner Co., Oshkosh, Wis.
Chapmans T. M. Sons Co., Old Town, Me.
Chase Turbine Mfg. Co., Orange, Mass.
Clark Bros. Co., Olean, N. Y.
Clyde Equipment Co., 555 Thurman, Portland, Ore.
Coleman Feed Roller Co., Vredenburgh, Ala.
Columbus Iron Works, Columbus, Ga.
De Loach Mill Mfg. Co., 318 Carter, Chattanooga, Tenn.
Diamond Iron Works, 2nd & 18th av, N Minneapolis, Minn.
Dibert, Bancroft & Ross Co., Ltd., Tulane & Hagan av, New Orleans, La.
Enterprise Co., Columbiana, O.
FABREEKA BELTING CO. (Belting for Saw Mills), 120 High, Boston, Mass.
See adv index at end of book
Farquhar A. B. Co. (Ltd.), York, Pa.
Filer & Stowell Co., Milwaukee, Wis.
Fisher & Davis Mfg. Co., 934 N 1st, St. Louis, Mo.
Frick Co., Waynesboro, Pa.
Gainesville Iron Works, Gainesville, Ga.
Garland M. Co., Bay City, Mich.
Georgia Iron Works, Augusta, Ga.
Giddings & Lewis Mfg. Co., Fond du Lac, Wis.
Greenlee Bros. & Co., 12th, Rockford, Ill.
Griffith & Wedge Co., Zanesville, O.
Harrison-Skolil Foundry & Mach. Wks., 528 N 28th, Portland, Ore.
Harron, Rickard & McCone (Jobbers), 139 Townsend, San Francisco, Cal.
Henderson W. K., Iron Works & Supply Co., Shreveport, La.
Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.
Hill-Curtis Co., Kalamazoo, Mich.
Howell R. R. & Co., 31st av, Minneapolis, Minn.
Kline Lewis T., Alpena, Mich.
Knight Mfg. Co., Canton, O.
Lake Shore Engine Works, Marquette Mich.
Lamb Machine Co., Hoquiam, Wash.
Lane Mfg. Co., Montpelier, Vt.
Lexington Engine & Boiler Works, Lexington, Ky.
Liddell Co., Charlotte, N. C.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Lombard Iron Works & Supply Co., Augusta, Ga.
Lufkin Foundry & Machine Co. (Heavy), Lufkin, Tex.
Lyon Iron Works, Greene, N. Y.
McDonough Mfg. Co., Eau Claire, Wis.
Manistee Iron Works Co., Manistee, Mich.
Mecklenburg Iron Works, Charlotte, N. C.
Memphis Machine Works, 171 Vance, Memphis, Tenn.
Mitts & Merrill, Saginaw, Mich.
Moltz Jacob J., Williamsport, Pa.
Murray D. J. Mfg. Co., Wausau, Wis.
National Iron Co., Duluth, Minn.
Ocala Iron Works, Ocala, Fla.
Peglar Machinery Co., Chattanooga, Tenn.
Phoenix Iron Works, E 2nd & Hawthorne, Portland, Ore.
Phoenix Mfg. Co., Eau Claire, Wis.
Port Huron Engine & Thresher Co., Port Huron, Mich.
Portland Iron Works, 495 Northrup, Portland, Ore.
Prescott Co., Menominee, Mich.
Prescott Sumner K. Co., W Sander & E Marginal Way, Seattle, Wash.
Puget Sound Machy. Dept., 819 1st av S, Seattle, Wash.
Ricker T. H. & Sons Co., Harrison, Me.
Riley John F. Fndry. & Mach. Co., Charleston, S. C.
Rourke Jno. & Sons, 602 E Bay, Savannah, Ga.
Russell & Co., Massillon, O.
Salem Iron Works, Winston Salem, N. C.
Sanders John D. (General Repairs), Monroe, La.

Pattern Work, Surfacing, Grinding, Polishing



Vertical Position

Belt Machine made in two sizes. Bench and Pedestal models. Bed is adjustable to horizontal or vertical positions.



Oscillating Spindle Sander uses roll any diameter 1⅛ to 6″—9″ long.

15″ Disc Sander and Grinder has patent dust remover.



20″ Band Saw for wood and metal cutting.

Double Spindle Sander for furniture factories.

PORTER-CABLE

Machine Co.

708 N. Salina St.

Syracuse, N. Y.

SINKER-DAVIS CO., Indianapolis, Ind.
Soule Steam Feed Works, Meridian, Miss.
Southern Engine & Boiler Mfg. Co., Jackson, Tenn.
Standard Saw Mill Machinery Co., Erie, Pa.
STANDARD SAW MILL MACHINERY CO. (Export Only), Export Dept., 43 Cedar, New York
Stearns Co., Erie, Pa.
Stellman L. H. & Son, Brattleboro, Vt.
Sumner Iron Wks. ("Sumner"), Everett, Wash.
Taylor Iron Works & Supply Co., Macon Ga.
Thomasville Iron Works, Inc., Thomasville, Ga.
Trevor Mfg. Co. (Short Log), Lockport, N. Y.
Union Iron Works, Bangor, Me.
U. S. Machine Co., Williamsport, Pa.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Washington Machy Depot, Tacoma, Wash.
Wheland Co., W Side & 27th, Chattanooga, Tenn.
Wilkin-Challoner Co., Oshkosh, Wis.
Woodruff Machinery Mfg. Co., Winder, Ga.
Woods S. A. Machinery Co. ("The Planers of Woods"), 27 Damrell, Boston, Mass.

Saw Setting Machines

See Saw Filing & Setting Machines; also Band Saw Filing & Setting Machines; also File Room Machinery

9021—Saw Sharpening Machines

See also Sharpeners, Saw; also Band Saw Filing & Setting Machines; also Saw Filing & Setting Machines
Armstrong Mfg. Co., 3 2nd, Portland, Ore.
Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Black Diamond Saw & Mach. Works, Natick, Mass.
Cochrane-Bly Co. (Metal Saws), Rochester, N. Y.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Covel Mfg. Co. (For Automatic Band Gang, Circular & Metal Saws, etc), Benton Harbor, Mich.
Diamond Machine Co. ("Diamond"), Providence, R. I.
Disston Henry & Sons ("Borthwick" or Emery Wheel Gummer), Tacony, Phila., Pa.
Espen-Lucas Machine Works (Power, Automatic), Girard av & Front, Philadelphia, Pa.
Higley Machine Co., Croton Falls, N. Y.
Hooker O. V. & Son (Automatic), St. Johnsbury, Vt.
Hunter Saw & Machine Co., 57th & Butler, Pittsburgh, Pa.
Oliver Machinery Co. (Automatic), Grand Rapids, Mich.
Rogers Sam'l C. & Co. ("Buffalo" Band & Circulars), 10 Lock, Buffalo, N. Y.
Wardwell Mfg. Co., 110 Hamilton av N E, Cleveland, O.
Yates P. B. Machine Co., Beloit, Wis.

9022—Saw Stretching Machines

Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Covel Mfg. Co., Benton Harbor, Mich.
Hanchett Swage Works, Big Rapids, Mich.
Yates P. B. Machine Co., Beloit, Wis.

9023— Saw & Chuck Machines

Flory S. Mfg. Co., Bangor, Pa.
See adv index at end of book
Nash J. M. ("Nash" Automatic), 842 30th, Milwaukee, Wis.

Sawing Machines (Stone)

See Stone Sawing Machines

9025-6— Scarfing Machines

Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
United Engineering & Foundry Co. (Movable Motor Driven for Pipe & Tube Mills), Farmers' Bank bldg, Pittsburgh, Pa.

9027— Scow Machinery

Superior Iron Works Co., Superior, Wis.

Scrap Reclaiming Machines

See Rolls, Scrap Reclaiming

9028—*Scrap Wire Bundling Machines

Vaughn Machinery Co., Cuyahoga Falls, O.

9029— Screening Machinery

Allis-Chalmers Mfg. Co. (Sand, Gravel, Crushed Ore & Rock), Milwaukee, Wis.
See adv index at end of book
Bartlett & Snow Co., C. O., 6350 Harvard, av, Cleveland, O.
See adv index at end of book
Batavia Engineering Works, Batavia, Ill.
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Howes S. Co., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor" Grain & Seed Extractors), Silver Creek, N. Y.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
National Engineering Co., 549 W Washington blvd, Chicago, Ill.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Stephens-Adamson Mfg. Co., Aurora, Ill.
Tyler W. S. & Co., Cleveland, Ohio
See adv index at end of book
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

9030— Screw Blank Heading Machines

Manville E. J. Machine Co., Waterbury, Conn.

9031—Screw Cap Rolling Machines

Ams Max Machine Co., 101 Park av, New York *See adv index at end of book*

9032—Screw Cutting Machines

Automatic Machine Co., 113 E Washington, Bridgeport, Conn.
Geometric Tool Co. ("Geometric"), Blake & Valley, New Haven, Conn.
Greenfield Tap & Die Corp. ("G. T. D." with Automatic Die Heads for Bolts, Nuts & Pipe), Greenfield, Mass.
Landis Machine Co., Waynesboro, Pa.
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
Potter & Johnston Machine Co., Pawtucket, R. I.
Rivett, Lathe & Grinder Co., 2 Brooks Brighton, Boston, Mass.
Schood Paul, 179 Pearl, New York.
Seeger Machine Tool Co., 34 S Forsyth, Atlanta, Ga.
Townsend H. P. Mfg. Co., Hartford, Conn.

9033—Screw Driving Machines

Reynolds Machine Co. ("Reynolds" Automatic Power), Massillon, O.

9034—Screw Heading Machines

Cook Asa S. Co. (Single Blow Only), Hartford, Conn.
Manville E. J. Machine Co., Waterbury, Conn.

9035— Screw Machines

See also Lathes, Turret

Acme Machine Tool Co., Cincinnati, O.
Advance Tool Works, 439 N Western av, Chicago, Ill.
AUTOSCREW CO. (Standard and Special Milled from the Bar Cut Thread in Stock or Made Up Promptly), 355 W Broadway, New York
See adv index at end of book
Brown & Sharpe Mfg. Co. (Plain, Wire Feed Automatic, etc), Providence, R. I.
Chapman Machine Corp. ("Chapman" Automatic), Terryville, Conn.
See adv index at end of book
Cincinnati Lathe & Tool Co., North & Oakley, Cincinnati, Ohio
Eastern Machine Screw Corp., Truman & Barclay, New Haven, Conn.
Dreses Machine Tool Co., Cincinnati, O.
Foster Machine Co., Elkhart, Ind.
Greenfield Tap & Die Corp. ("Wells" Hand), Greenfield, Mass.
Himoff Machine Co., 50 Church, New York
Jones & Lamson (Hand), Springfield, Vt.
Kelly R. A. Co. (Crank), Xenia, O.
Le Blond R. K. Machine Tool Co. (Automatic), Madison & Edwards rd, Cincinnati, O.
Leisy-Patton Co. (Turret), 7033 St. Clair av, Cleveland, O.
Manning Maxwell & Moore Inc. (Putnam Machine Wks. Div.), 100 E 42nd, New **York** *See adv index at end of book*
Meriden Mach. Tool Co. (Hand), Meriden, Conn.
Millholland Mach. Co., 415 E 35th, Indianapolis, Ind.
Milwaukee Shaper & Transmission Appliance Co., Milwaukee, Wis.
Morton Mfg Co. (Draw Cut), Muskegon Heights, Mich.
National Acme Co., 7500 Stanton av., S. E., Cleveland, O.
New Britain Machine Co. ("New Britain" Six Spindle Automatic), 190 Chestnut, New Britain, Conn.
Ohio Machine Tool Co. ("Ohio" Crank Shaper, Single & Back Geared), Kenton, O.
Oliver Machinery Co., Grand Rapids, Mich.
Osborne & Sexton Machinery Co. (16, 20, 24 inch Back Geared Crank), 4th & **Russell, Columbus, O.**
Potter & Johnston Machine Co. (Universal), Pawtucket, R. I.
Pratt & Whitney Co. (Vertical), Hartford, Conn.
Queen City Machine Tool Co. (Back Geared Crank Shaft, etc), 1405 Sycamore, Cincinnati, O.
RHODES MFG. CO. ("Rhodes" Crank), 934 Park, Hartford, Conn.
Reed & Prentice Co. (Automatic), 677 Cambridge, Worcester, Mass.
Rockford Lathe & Drill Co. (Automatic), Rockford, Ill.
Simmons Hardware Co., 9th & Spruce, St. Louis, Mo.
Singer Sewing Machine Co. (Also Electric), 149 B'way, New York
Southworth Mach. Co. ("Southworth" Turret), Warren av, Portland, Me.
Stecher Chas. Co. (Hand), 2301 Knox av, Chicago, Ill.
Strong, Carlisle & Hammond Co., 326-344 Frankfort av, N W, Cleveland, O.
Standard Sewing Machine Co. (Electric for Family & Mfg. Use), 6402H Cedar av, Cleveland, O.
Union Lock Stitch Co., E Boston, Mass.

(Continued on following page)

Screw Machines—Continued

Union Special Machine Co. (Knit Goods, Garments, etc.), 400 N. Franklin av, Chicago, Ill.
Wachs E. H. Co. (Hand), 1525 Dayton, Chicago, Ill.
Warner & Swasey Co. (Turret), 5809 Carnegie av, Cleveland, O.
Watts Regulator Co. ("Watts"), Lawrence, Mass.
White Sewing Machine Co. (Also Electric), **St. Clair & 79th, Cleveland, O.**
Wilcox & Gibbs Sewing Mach. Co. (Chain Lock & Overlock Stitch), 658 B'way, New York
Williams Mfg. Co., Ltd., Plattsburg, N. Y. Falls, N. Y.
Wood Turret Machine Co. (Tilted Turret), Brazil, Ind.
Wright-David A., 601 W. Monroe, Chicago, Ill.

9036—Screw Machines (Automatic)

Brown & Sharpe Mfg. Co., Providence, R. I.
Chapman Machine Corp. ("Chapman"), Terryville, Conn.
See adv index at end of book
Chicago Automatic Machine Co., 400 N Oakley Bl., Chicago, Ill.
CINCINNATI AUTOMATIC MACHINE CO., 3120 South Oakley, Cincinnati, O.
Cleveland Automatic Machine Co., 2269 E. 65th, Cleveland, O.
Davenport Machine Tool Co. ("Davenport" Five Spindle), 167 Ames, Rochester, N. Y.
Hartford Machine Screw Co., (Turning & Threading), Hartford, Conn.
Jones & Lamson Mach. Co. ("Fay," "Hartness"), Springfield, Vt.
LeBlond R. K. Machine Tool Co., Madison & Edward rd, Cincinnati, O.
National Acme Co. ("Gridley"), 7500 Stanton av, S. E., Cleveland, O.
New Britain Machine Co., ("New Britain" Six Spindle), 190 Chestnut, New Britain, Conn.
Peerless Automatic Machine Co., (Multiple Spindle), 1962 W 77th, Cleveland, O.
Rockford Lathe & Drill Co., Rockford, Ill.

9037—Screw Machines (Gimlet Pointing)

Manville E. J. Machine Co., Waterbury, Conn.
National Machinery Co., Tiffin, O.
Pawtucket Mfg. Co., Pawtucket, R. I.
Townsend H. P. Mfg. Co., Hartford, Conn.

9038—Screw Machines (Hand)

Bardons & Oliver, Cleveland, O.
Brown & Sharpe Mfg. Co., Providence, R. I.
Dresses Machine Tool Co., Cincinnati, O.
Fay & Scott, Dexter, Me.
Garvin Machine Co. (Double Turret), 147 Varick, New York
Greenfield Tap & Die Corpn. ("Wells"), Greenfield, Mass.
Makutchan Roller Bearing Co., 35 W. Lake, Chicago, Ill.
Pratt Wm. E. Mfg. Co., 15 W. Lake, Chicago, Ill.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Southworth Mach. Co. ("Southworth" Turret), Warren av, Portland, Me.
Stecher Chas. Co., 1574 Crossing, Chicago, Ill.
Turner Machine Co., Danbury, Conn.
Warner & Swasey Co., 5809 Carnegie av, Cleveland, O.

9039-40—Screw Machines (Multiple Spindle)

Cincinnati Automatic Machine Co., 3120 South Oakley, Cincinnati, O.
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
New Britain Machine Co. ("New Britain" Six Spindle), 190 Chestnut, New Britain, Conn.
Springfield Automatic Screw Machine Corp. ("Radical" Automatic), Fitchburg, Mass.

9041-2—Screw Pointing Machines

Pawtucket Mfg. Co. (For Coach Screws), Pawtucket, R. I.
Townsend H. P. Mfg. Co., Hartford, Conn.

9043—Screw Shaving Machines

Garvin Machine Co. (Screw Head Shaving), 147 Varick, New York
Manville E. J. Machine Co. (Shaving & Slotting Combined), Waterbury, Conn.
Pawtucket Mfg. Co., Pawtucket, R. I.
Potter & Johnston Machine Co. (Shaving & Turning), Pawtucket, R. I.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Townsend H. P. Mfg. Co., Hartford, Conn.

9044—Screw Slotting Machines

See also Slotting Machines

Craftsman Tool Co., Conneaut, O.
Garvin Machine Co., 147 Varick, New York
Hartford Machine Screw Co., Hartford, Conn.
Hubbell Harvey, Bridgeport, Conn.
Manville E. J. Machine Co., Waterbury, Conn.
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Townsend H. P. Mfg. Co., Hartford, Conn.
Waterbury Farrel Foundry & Machine Co. (Automatic), Waterbury, Conn.

9045—Screw Spike Driving Machines

Greenlee Bros. & Co., Rockford, Ill.

9046—Screw Thread Rolling Machines

Acme Machinery Co., 4533 St Clair av, Cleveland, O.
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
Leffler Chas. & Co. (For Sheet Metal), 59 Clymer, Brooklyn, N. Y.
Manville E. J. Machine Co. (Automatic), Waterbury, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

9047—Scroll Sawing Machines

American Woodworking Mach'y Co., Rochester, N. Y.
Barnes W. F. & Jno. Co. (Foot & Power), Rockford, Ill.
Beach Mfg. Co., Montrose, Pa.
Cordesman-Rechtin Co., Butler, Cincinnati, O.
Fay J. A. & Egan Co., Cincinnati, O.
Hall & Brown Woodworking Machine Co. 1911 N B'way, St. Louis, Mo.
Jones Superior Machine Co., 1264 W North av, Chicago, Ill.
Oliver Machinery Co., Grand Rapids, Mich.
Victory Mach. & Lbr. Co., Inc., Buffalo, N. Y.

9048—Scythe Rolling Machines

Birmingham Iron Foundry, Derby, Conn.

9049— Sealing Machinery

Burpee Can Seed Co., 215 W Huron, Chicago, Ill.
Chicago Gum Tape Co., 375 E Illinois, Chicago, Ill.
Johnson Automatic Sealer Co., Ltd., Battle Creek, Mich.
Knowlton M. D. & Co., 26 Elizabeth, Rochester, N. Y.
Metal Specialties Mfg. Co. ("Anchor" No. 5 & Gummed Tape), Dept. H, 338 N Kedzie av, Chicago, Ill.
Multipost Co. (Automatic), Rochester, N. Y.
National Binding Machine Co., 291 B'way, New York
Package Sealing Corp. ("Seal-Rite"), 183 Flatbush av, Brooklyn, N. Y.
Pneumatic Scale Corp. (Ltd.), (Automatic), Norfolk Downs, Mass.
Powell Sealer & Tape Mfg. Co., Westerville, O.
Rexford Gummed Tape Co., 598 Clinton av, Milwaukee, Wis.

9050— Seaming Machines

Ams Max Machine Co., 101 Park av, New York *See adv index at end of book*
BLISS CO., E. W. (Sheet Metal), 53rd & 1st av, Brooklyn, N. Y.
Canton Foundry & Machine Co. ("Universal," Power for Long Length Pipe), Canton, O.
See adv index at end of book
Leffler Chas. & Co. (Sheet Metal), 59 Clymer, Brooklyn, N. Y.
Lyon Conklin & Co. Inc. ("Lyon Conklin & Co."), Race & McComas, Baltimore, Md.
QUICKWORK CO., St. Marys, Ohio
See adv index at end of book

9051—Seamless Tubing Machinery

Standard Engineering Co., Ellwood City,

9052—Separating Machinery (Cotton Seed)

Bailey-Burruss Mfg. Co., Atlanta, Ga.
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, O. *See adv index at end of book*
Davidson & Kennedy Co. (Beans, etc.), 872 N Ashley, Atlanta, Ga.
Robinson Mfg. Co., Muncy, Pa.
Sprout Waldron & Co., Muncy, Pa.
See adv index at end of book

9053—Sewer Cleaning Machines

Healy P. J., 26 Cortlandt, New York
Otterson Auto Eductor Co., Springfield Ohio.
Shannon J. H. & R. Co. ("Shannon"), 538 Bergen av, Jersey City, N. J.

9054—Sewer Pipe Machinery

Besser Mfg. Co., Alpena, Mich.
Hadfield-Penfield Steel Co. (The), Bucyrus, O. *See adv index at end of book*
Stevenson Co., Wellsville, O.
Taplin-Rice-Clerkin Co., Akron, O.

9055—Sewer & Trench Excavating Machines

Anderson W. H. Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Austin Machinery Corp., Door at Westwood av, Toledo, Ohio
Buckeye Traction Ditcher Co. (Trench), Findlay, O.
Bucyrus Co., S Milwaukee, Wis.
Construction Machinery Co., 113 Vinton, Waterloo, Ia.
Economy Excavator Co., Iowa Falls, Ia.
HARNISCHFEGER CORP. (Wheel or Ladder), Milwaukee, Wis.
See adv index at end of book
Heffron Trenching Co., Cleveland, O.
Heggie W. J. ("Monahan"), Joliet, Ill.
KEYSTONE DRILLER CO., Beaver Falls, Pa. *See adv index at end of book*
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
McMyler-Interstate Co. (The), Cleveland, Ohio *See adv index at end of book*
Marion Steam Shovel Co., P. O. Box 505, Marion, O.
Meyer Henry H. Co. (Dirs.), 110 S Howard, Baltimore, Md.
See adv index at end of book
Osgood Co., Marion, O.
Parsons Co. ("Parson's"), Newton, Ia.

9056— Sewing Machine Mfrs.

Bauer Machine Co. (Lock Stitch), Jeffersonville, Ind.
Bergbom & Roberg (Hand), 218 N Jefferson, Chicago, Ill.
Birch Bros. (Piece End Only), Somerville, Mass.
Champion Shoe Machinery Co., 3727 Forest Park blvd, St. Louis, Mo.
Curtis Herbert Co. (Brasser, Pique, Union Wax & All Kinds Special Sewing Machines), Gloversville, N. Y.
Curtis & Marble Machine Co. (Railway), Worcester, Mass.
Davis Sewing Machine Co. (Treadle Elec. & Mfg.), Dept H, Davis & Linden av, Dayton, O.
Dinsmore Mfg. Co., Salem, Mass.
Domestic Sewing Machine Co., E State & Van Buren, Chicago, Ill.
Durbrow & Hearne, 12 Wooster, New York
Fales L. F. ("Maniplex" Multiple Needle), Walpole, Mass.
Foley-Williams Supply Co., 19 W Jackson blvd, Chicago, Ill.
Free Sewing Mach. Co. ("Free," "Free Westinghouse," "Aviator," "New Royal," Family, Electric & Foot Power), Rockford, Ill.
Industrial Mfg. Co., Camden, N. J.
King Sewing Machine Co., Buffalo, N. Y.
Kruse & Murphy Mfg. Co., 101 E 129th, New York
Landis Machine Co., 25th & Mullanphy, St. Louis, Mo.
Leyland Thos. & Co. (Whaleback), Readville, Mass.
Mason A. G. Mfg. Co. ("Florence" Family), St. Clair & E 79th, Cleveland, O.
Merrow Machine Co. ("Merrow" High Speed Trimming & Over Seaming), Hartford, Conn.
Metropolitan Sewing Machine Co., Nyack, N. Y.
National Automatic Knitter Co., 2725 Mutter, Phila., Pa.
National Sewing Machine Co., Belvidere, Ill.
New Home Sewing Machine Co. (Also Electric), Orange, Mass.
Osonn Frederick Co., 245 7th av, New York
Rockwell Co., Inc., 74 India, Boston, Mass.
Singer Sewing Machine Co. (Also Electric), 149 Broadway, New York
Standard Sewing Machine Co. (Electric for Family & Mfg. Use), 6402H Cedar av, Cleveland, Ohio
Union Lock Stitch Co., East Boston, Mass.
Union Special Machine Co. (Knit Goods, Garments, etc.), 400 N Franklin av, Chicago, Ill.
Watts Regulator Co. ("Watts"), Lawrence, Mass.
White Sewing Machine Co. (Also Electric), St. Clair & 79th, Cleveland, Ohio
Wilcox & Gibbs Sewing Mach. Co. (Chain Lock & Overlock Stitch), 658 Broadway, New York
Williams Mfg. Co., Ltd., Plattsburg, N. Y.
Winchester-Simmons Co., 9th & Spruce, St. Louis, Mo.

9057—Sewing Machines (Bag)

Singer Sewing Mach. Co., 149 B'way, New York
Standard Sewing Machine Co. (Electric), 6402 Cedar av, Cleveland, O.
Union Special Machine Co., 400 N Franklin, Chicago, Ill.

Watts Regulator Co. ("Watts"), Lawrence, Mass.
Wilcox & Gibbs Sewing Mach. Co., 658 B'way, New York.

9058—Sewing Machines (Blind Stitch)

Acme Keystone Co. ("McCool"), Beaver Falls, Pa.
American Blind Stitch Machine Co. ("Dearborn's" Patents), 325 Lafayette, New York
Lewis Felling Mach. Co., 3763 Forest Park blvd., St. Louis, Mo.

9059—Sewing Machines (Boot & Shoe)

Champion Shoe Mach'y Co., 3727 Forest Park blvd, St. Louis, Mo.
Landis Machine Co. ("Fleming" Shoe Soling), 25th & Mullanphy, St. Louis, Mo.
Puritan Mfg. Co., 121 Beach, Boston, Mass.
Singer Sewing Mach. Co., 149 B'way, New York
Standard Sewing Machine Co., 6402 Cedar av, Cleveland, O.
Tennis A. H., 47 E 19th, New York
Union Special Machine Co., 400 N Franklin, Chicago, Ill.
White Sewing Machine Co., St. Clair & 79th, Cleveland, O.

9060—Sewing Machines (Broom & Whisk)

Cassard Hamilton, Holliday & Pleasant, Baltimore, Md.
Lipe & Walrath Co., 208 S Geddes, Syracuse, N. Y.
Mercantile Warehouse Co. (Steam), 71 Murray, New York
Walrath Alphonso Co. ("Lipe-Walrath"), Fort Plain, N. Y.

9061—Sewing Machines (Button)

Singer Sewing Mach. Co., 149 B'way, New York
Standard Sewing Machine Co. (Electric), 6402H Cedar av, Cleveland, O.
Union Button Sewing Co. (For Flat Shank & Covered Buttons), 394 Atlantic av, Boston, Mass.

Sewing Machines (Button Hole)

See Buttonhole Machines

9062—Sewing Machines (Carpet)

Singer Sewing Machine Co., 149 B'way, New York
Taft Machine Co., 229 Globe, Providence, R. I.
Union Special Machine Co., 400 N. Franklin av, Chicago, Ill.

9063—Sewing Machines (Chain Stitch)

Kruse & Murphy Mfg. Co., 101 E 129th, New York
Metropolitan Sewing Machine Co., Nyack, N. Y.
Singer Sewing Mach. Co., 149 B'way, New York
Standard Sewing Machine Co. (Electric Lock Stitch), 6402H Cedar av, Cleveland, O.
Union Special Machine Co., 400 N Franklin, Chicago, Ill.
Watts Regulator Co. ("Watts"), Lawrence, Mass.
Wilcox & Gibbs Sewing Machine Co., 658 B'way, New York

9063a—Sewing Machines (Darning & Marking)

Standard Sewing Machine Co. (Electric), 6402H Cedar av, Cleveland, O.

9064—Sewing Machines (Glove)

Ahlstrom O. J., 711 B'way, New York
Curtin Hebert Co. (For Leather, Canvas or Silk Gloves), Gloversville, N. Y.
Singer Sewing Mach. Co., 149 B'way, New York
Standard Sewing Machine Co. (Electric), 6402H Cedar av, Cleveland, O.
Union Special Machine Co., 400 N Franklin, Chicago, Ill.
White Sewing Machine Co., St. Clair & 79th, Cleveland, O.
Wilcox & Gibbs Sewing Machine Co., 658 B'way, New York
Williams Mfg. Co. Ltd., Plattsburg, N. Y.

9065—Sewing Machines (Hat)

Bulasky L., 43 Bleecker, New York
Durbrow & Hearne Mfg. Co., 12 Wooster, New York
Singer Sewing Machine Co., 149 B'way, New York
Union Special Machine Co., 400 N Franklin, Chicago, Ill.
Wilcox & Gibbs Sewing Machine Co., 658 B'way, New York

9066—Sewing Machines (Leather)

Champion Shoe Machinery Co., 3727 Forest Park blvd, St. Louis, Mo.
Davis Sewing Mach. Co., Dayton, O.
Landis Machine Co. (Harness, etc), 25th & Mullanphy, St. Louis, Mo.
Singer Sewing Mach. Co. (For Harness Mfgs., Carriage Leather, etc.), 149 B'way, New York
Standard Sewing Machine Co., 6402 Cedar av, Cleveland, O.
Union Lock Stitch Co. (For Harness etc.), E Boston, Mass.
Union Special Machine Co., 400 N Franklin, Chicago, Ill.

9067—Sewing Machines (Mattress)

Singer Sewing Mach. Co., 149 B'way, New York
Standard Sewing Machine Co. (Electric), 6402H Cedar av, Cleveland, O.
Union Special Machine Co., 400 N Franklin, Chicago, Ill.

9068—Sewing Machines (Multiple Needle)

Fales L. F. ("Maniplex," Heavy Duty Lock Stitch), Walpole, Mass.
Singer Sewing Mach. Co., 149 B'way, New York
Standard Sewing Machine Co. (Electric), 6402H Cedar av, Cleveland, O.
Union Special Machine Co., 400 N Franklin, Chicago, Ill.

9069—Sewing Machines (Over Seaming)

Merrow Machine Co. ("Merrow"), Hartford, Conn.
Singer Sewing Mach. Co., 149 B'way, New York
Spindler E. O. (Imp.), 139H Franklin, New York

9070—Sewing Machines (Railway)

Dinsmore Mfg. Co. (Portable Hand Power), Salem, Mass.

9071—Sewing Machines (Sailmakers')

Singer Sewing Machine Co., 149 B'way, New York
Standard Sewing Machine Co. (Electric), 6402H Cedar av, Cleveland, O.
Union Special Machine Co., 400 N. Franklin av, Chicago, Ill.

9072—Sewing Machines (Straw Hat)

Bulasky L. (Braid), 43 Bleecker, New York
Singer Sewing Mach. Co., 149 B'way, New York
Union Special Machine Co., 400 N Franklin, Chicago, Ill.
Wilcox & Gibbs Sewing Machine Co. (Visible & Concealed Stitch), 658 B'way, New York

9073—Shading Machines (Lithographers' & Photo-Engravers')

American Shading Mach. Co., 693 Main, Buffalo, N. Y.

9073a—*Shaft (Flexible) Machinery

SLEEPER & HARTLEY, INC., 335 Chandler, Worcester, Mass.
See adv index at end of book
Strand N. A., 5001 N Lincoln, Chicago, Ill.

9074—Shaft Polishing Machines

Brightman Mfg. Co., Columbus, O.
Medart Company, The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*

9075—Shaft Straightening Machines

Brightman Mfg. Co., Columbus, O.
Chambersburg Engineering Co., Chambersburg, Pa.
Elmes Chas. F. Engng. Wks., Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Hydraulic Press Mfg. Co., Mt. Gilead, O.
Kane & Roach, Syracuse, N. Y.
Logemann Bros. Co. ("Logemann," Hydraulic Shaft, Pipe & Bar Straightener), 3130 Burleigh, Milwaukee, Wis.
Mac Leod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
MEDART COMPANY, THE, 3500 De Kalb St. Louis, Mo.
See adv index at end of book
Southwark Foundry & Machine Co., 1128 S. 4th, Phila., Pa.
See adv index at end of book
Springfield Machine Tool Co., Springfield, Ohio
SUTTON-ABRAMSEN ENGINEERING CO., 1809 Park bldg, Pittsburgh, Pa.
WATSON-STILLMAN CO. (Hydraulic), 38 Church, New York
See adv index at end of book

Shaft Turning Machines

See Lathes, Shaft Turning

9076—Shaft & Pole Machinery

Defiance Machine Works, Defiance, O.

9077— Shafting Machinery

Brightman Mfg. Co., Columbus, O.
Medart Company, The, 3500 De Kalb, St. Louis Mo.
See adv index at end of book
Wood's T. B. Sons Co., Chambersburg, Pa.

9078—Shaping Machines for Steel Foundries

Walraven Co., The, 36-38 W Alabama, Atlanta, Ga.

9079—Shaping Machines (Metal)

American Tool Works Co. (Crank), Cincinnati, O.
Barker Wm. & Co. (Crank & Geared), Covington, Ky.
Cincinnati Shaper Co. (Traverse), Elam & Garrard, Cincinnati, O.
Cleveland Punch & Shear Works Co., 3917 St. Clair av N E, Cleveland, Ohio
See adv index at end of book
Cochrane-Bly Co. (Universal, for Die & Tool Making), Rochester, N. Y.
Columbia Machine Tool Co., Hamilton, O.
De Walt R. E. ("Dew-All"), Bridgeton, N. J.
Gould & Eberhardt, 97 N J RR av, Newark, N. J.
Hanson-Whitney Machine Co. (Universal Vertical for Die & Tool Making), 75 Bartholomew av, Hartford, Conn.
Hendey Machine Co. (15 & 20-Inch Friction Drive, 16, 20 & 24-Inch Crank Drive, Belt & Motor Driven), Torrington, Conn.
Jackson Shaper Co. ("Jackson"), Jackson, Mich.
Jones Machine Tool Works (Vertical), 53rd & Lansdowne av, Phila., Pa.
Juengst Geo. & Sons (Crank), Croton
Kelly R. A. Co. (Crank), Xenia, O.
Knowlton M. D. & Co., 26 Elizabeth, Rochester, N. Y.
Manning, Maxwell & Moore, Inc. (Putnam Machine Works Div.), 100 E 42nd, New York *See adv index at end of book*
Milwaukee Shaper & Transmission Appliance Co., Milwaukee, Wis.
Morton Mfg. Co. (Draw Cut), Muskegon Heights, Mich.
Ohio Machine Tool Co. ("Ohio" Crank Shaper, Single & Back Geared), Kenton, O.
Osborne & Sexton Machinery Co. (16, 20, 24 inch Back Geared Crank), 4th & Russell, Columbus, O.
Potter & Johnston Machine Co. (Universal), Pawtucket, R. I.
Pratt & Whitney Co. (Vertical), Hartford, Conn. *See adv index at end of book*
Queen City Machine Tool Co. (Back Geared Crank Shaft, etc.), 1405 Sycamore, Cincinnati, O.
Reed-Prentice Co., 677 Cambridge, Worcester, Mass.
Rhodes Mfg. Co. ("Rhodes" Crank), 984 Park, Hartford, Conn.
Rockford Machine Tool Co. ("Rockford"), Kishwaukee rd & 23rd av, Rockford, Ill.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Smith & Mills Co. (Crank & Geared), Spring Grove av, Cincinnati, O.
Springfield Machine Tool Co. (Crank & Geared), Spring Grove av, Springfield, Ohio
Steel Products Engineering Co. ("Auerbeck"), Springfield, O.
Steptoe Jno. Co. (Single or Back & Geared), 2961 Colerain av, Cincinnati, Ohio
Stockbridge Machine Co. (Two-Piece Crank & Geared Drive), 68 Abbott, Worcester, Mass.
Thompson Machinery Co., Union Arcade, Pittsburgh, Pa.
Whipp Machine Tool Co., Sidney, O.
Whitcomb-Blaisdell Machine Tool Co. ("Damrell" Portable), 677 Cambridge, Worcester, Mass.

9080—Shaping Machines (Wood)

See also Wood Carving Machines

Advance Saw Works ("S & T" Ball Bearing), 339 E 2d, Los Angeles, Cal.
American Steam Pump Co., Battle Creek, Mich.
American Woodworking Machinery Co., Rochester, N. Y.
Atkins E. C. & Co. ("Pribnow"), 402 S Illinois, Indianapolis, Ind.
Berry Machy. & Supply Co., 289 W Santa Clara av, San Jose, Cal.
Cordesman-Rechtin Co., Butler, Cincinnati, O.
Crescent Machine Co., Leetonia, O.
Defiance Machine Works, Defiance, O.
Fay J. A. & Egan Co., Cincinnati, O.
Gallmeyer & Livingston Co. ("Valley City" & "Union"), Grand Rapids, Mich.
Hall & Brown Wood Working Machine Co. (Double Spindle), 1911 N B'way, St Louis, Mo.

(Continued on following page)

Shaping Machines (Wood)—Cont.

Jenkins Machine Co. (Two Spindle Vertical Ball Bearing Shaper), Sheboygan, Wis.
Klotz Machine Co., Sandusky, O.
Ober Mfg. Co. (Combined Shaper, Saw & Jointer), Chagrin Falls, O.
Oliver Machinery Co., Grand Rapids, Mich.
Porter C. O. Machinery Co., 666 Front av, Grand Rapids, Mich.
Power L. & Co., 20 S 23d, Phila., Pa.
Smith H. B. Machine Co., Smithville, N. J.
Towsley Jno. T. Mfg. Co., 1037 Evans, Cincinnati, Ohio
Victory Mach. & Lbr. Co., Inc., Buffalo, N. Y.
Whitney Baxter D. & Son (Double Spindle), Winchenden, Mass.
Wysong Miles Co. (Single Spindle), Greensboro, N. C.
Yates P. B. Machine Co., Beloit, Wis.

9081—Sharpening Machines (Safety Razor Blade)

American Sharpening Machine Co., 184 W Madison, Chicago, Ill.
Cochrane F. W. Mfg. Co. ("Velvet Edger"), 1316 W Slauson, Los Angeles, Cal.
Hill A. E. Mfg. Co., Atlanta, Ga.
HYFIELD MFG. CO. ("Hyfield"), 292 Church, New York
Odell Mfg. Co. ("Odell"), 343 S Dearborn, Chicago, Ill.
Strong Machinery & Supply Co., 202-4 Church. New York

9082—Shavings Washing Machines

A. B. & E. Specialty Co., 3300 Fond Du Lac av, Milwaukee, Wis.
Kaetsner & Hecht Co., 500 Throop, Chicago, Ill.
Redlich Mfg. Co., 637-647 W Oak, Chicago, Ill.
Schock Gustav & Son, 514 W 57th, New York

9082a—*Shearing (Cloth) Machines

PARKS & WOOLSON MACHINE CO., Springfield, Vt.
See adv index at end of book

9083 — Shearing & Flanging Machines (Combined)

Niagara Machine & Tool Wks., Buffalo, N. Y.
QUICKWORK CO., St. Marys, Ohio
See adv index at end of book
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago. Ill. *See adv index at end of book*

9084—Sheep Shearing Machines

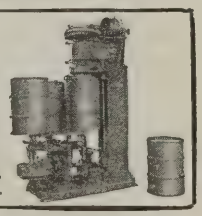
American Shearer Mfg. Co. ("Priest's"), Nashua, N. H.
CHICAGO FLEXIBLE SHAFT CO. ("Stewart" Ball Bearing), 1150 S Central av, Chicago, Ill.
See adv index at end of book
Coates Clipper Mfg. Co. ("Coates" Flexible Shaft, Electric & Hand Power), 237 Chandler, Worcester, Mass.
Gillette Clipping Mach. Co., 129 W 31st, New York

9085—Sheet Lead Rolling Machines

Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn.
See adv index at end of book
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.

9086—Sheet Metal Barrel & Drum Machinery

Ams Max Machine Co., 101 Park av, New York *See adv index at end of book*

AMS
Automatic Steel Drum and Barrel Machinery
Write for Catalog
THE MAX AMS MACHINE CO.
101 Park Ave. New York, N.Y.


BLISS CO., E. W., 53d & 1st av, Brooklyn, N. Y.
See adv index at end of book
Knapp Metal Barrel & Package Co., 218 1st, San Francisco, Cal.
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.
Niagara Machine & Tool Works, Buffalo, N. Y.

9087—Sheet Metal Forming Machinery

See also Sheet Metal Workers' Machines & Tools

Ams Max Machine Co., 101 Park av, New York *See adv index at end of book*
Baird Machine Co. ("Automatic"), Stratford av, Bridgeport, Conn.
BLISS CO., E. W., 53rd & 1st av., Brooklyn, N. Y.
See adv index at end of book
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.
Niagara Machine & Tool Wks., Buffalo, N. Y.
Nilson A. H. Machine Co., 55 William, Bridgeport, Conn.
Rock River Machine Co., Janesville, Wis.
Slaysman & Co., 801 E Pratt, Baltimore, Md.

9088-9—Sheet Metal Lath Machines (Antique)

Ohl Geo. A. & Co., 159 Oraton, Newark, N. J.

9090—Sheet Metal Oiling Machines

Aetna Foundry & Machine Co. (The), Warren, Ohio
Excelsior Tool & Mach. Co., 32nd & Ridge, East St. Louis, Ill.

9091—Sheet Metal Workers' Machines (& Tools)

See also Punching Machines, Various Kinds; also Presses, Various Kinds; also Shears, Various Kinds
AMS MAX MACHINE CO. ("Ams"), 101 Park av, New York
See adv index at end of book
Ayars Machine Co., Salem, N. J.
Bartlett Edwin C., Nashua, N. H.
Bath John & Co., Inc., Worcester, Mass.
Bertsch & Co., Cambridge City, Ind.
BLISS CO., E. W., 53d & 1st av, Brooklyn, N. Y.
See adv index at end of book
Braun, J. G., 609 S. Paulina, Chicago, Ill.
Brown F. S. & G. L. Mach. Co., 26 E. Fort av., Baltimore, Md.
California Tool Works, 181 Beale, San Francisco, Cal.
Canton Foundry & Machine Co. ("Universal"), Canton, O.
See adv index at end of book
Cleveland Machinery & Suppy Co., Cleveland Nat'l Bank bldg, Cleveland, O.
Double Truss Cornice Brake Co., 33 Chandler, Buffalo, N. Y.
DREIS & KRUMP MFG. CO., 7420 S Loomis St, Chicago, Ill.
See adv index at end of book
Excelsior Tool & Mach. Co., 31 1 & Ridge, East St. Louis, Ill.
Ferracute Mach. Co., Bridgeton N. J.
Greenlee Bros. Co., 12th, Rockford, Ill.
Heartley Machine Variety Iron & Tool Works, 900 Summit, Toledo O.
Helwig Mfg. Co. (Blind Riveters, Hand Portable), 422 E 7th, St. Paul, Minn.
Jones Machine Tool Co. (Jobber), 435 E Pearl, Cincinnati, O.
Keene Geo. C. & Co., 2327 Florence av, Cincinnati, O.
KLING BROS. ENGINEERING WORKS, 1300 N Kostner av, Chicago, Ill.
See adv index at end of book
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.
Lewthwaite T. H. Machine Co., 413 E 31st, New York
McMorran Edw. E. & Co., 126 N. Union, Chicago, Ill.
Merchant & Evans, Washington av & 21st, Phila., Pa.
Meriden Press & Drop Co. ("Merriman"), Meriden, Conn.
Mobile Steel Co., Mobile, Ala.
MOLITOR CHAS. MACHINERY CO. (& Tools), 118-124 S Clinton, Chicago, Ill.
Niagara Machine & Tool Wks., Buffalo, N. Y.
Ohl Geo. A. & Co., 159 Oraton, Newark, N. J.
Packham Crimper Co., Mechanicsburg, O.
Peck, Stow & Wilcox Co. ("Pexto"), Southington, Conn.
Perkins Machine Co., Warren, Mass.
QUICKWORK CO. (Cutting, Edging, Wiring, Beading, Hammering, Flanging, Rolling, Forming), St. Marys, Ohio
See adv index at end of book
Robinson J. M. Mfg. Co., 3232 Spring Grove av, Cincinnati, O.
Rock River Machine Co. ("Badger"), Janesville, Wis.
Ryerson Jos. T. & Son Inc., 2558 W 16th, Chicago, Ill.
See adv index at end of book
Savage W. J. Co. ("Gray" Cutting Machines), Knoxville, Tenn.
Slaysman & Co., 801 E Pratt, Baltimore, Md.
Southwark Foundry & Machine Co., 1123 S 4th, Phila., Pa.
See adv index at end of book
Stimpson Edwin B. Co. (Automatic), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Stoll D. H. Co., 30 Lansing, Buffalo, N. Y.
See adv index at end of book
Streine Tool & Mfg. Co. ("Streine"), New Bremen, O.
Swaine Fred J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.
Toledo Machine & Tool Co., Toledo, O.
United Shoe Machinery Co., 205 Lincoln, Boston, Mass.
V. & O. Press Co., Dry Hrbr. rd, Glendale Station, N. Y.
Verdin Kappes & Verdin Co., Cincinnati, O.
Wayne Machinery Co. (Dirs.), Ft. Wayne, Ind.
Weiss H. & Co., 83 John, New York
Whelan D. J. (Est. of), Troy, N. Y.
Wold, Torris & Co., 240 N Ashland av, Chicago, Ill.
Yoder Co., 5570H Walworth, Cleveland, O.
Zeh & Hahnemann Co., Vanderpool, Newark, N. J.

9092— Sheet Mill Machinery

See also Rolling Mill Machinery

Aetna Foundry & Machine Co., Warren, O.
BLISS CO., E. W., 53d & 1st av, Brooklyn, N. Y.
See adv index at end of book
Consolidated Mach. Tool Corp. of Amer., (Shears & Levelers), Rochester, N. Y.
See adv index at end of book
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
National Roll & Foundry Co., Avonmore, Pa.
QUICKWORK CO., St. Marys, Ohio
See adv index at end of book
Southwark Foundry & Machine Co. (Shearing), 1123 S 4th, Phila., Pa.
See adv index at end of book
Standard Engineering Co., Ellwood City, Pa.
United Enging. & Fdry. Co., Pittsburgh, Pa.

Sheet Pile Driving Machines

See Pneumatic Pile Drivers

9092a—Sheradizing Machinery

New Haven Sherardizing Co., Hartford, Conn.

9093—Shingle Mill Machinery

Adams S. & Son, Rome, N. Y.
Adams W. T. Machine Co., Corinth, Miss.
American Sawmill Machinery Co. ("American" & "Climax"), Hackettstown, N. J.
Bayside Iron Works (Side Dresser & Joiner), City Wharf, Everett, Wash.
Burpee & Letson (Ltd.), Bellingham, Wash.
Butterworth & Lowe, Grand Rapids, Mich.
Challoner Co., Oshkosh, Wis.
Chase Turbine Mfg. Co., Orange, Mass.
Davis Fdry. & Mach. Works, ("Boss"), Rome, Ga.
De Loach Mill Mfg. Co., 318 Carter, Chattanooga, Tenn.
Filer & Stowell Co., Milwaukee, Wis.
Gerlach Peter Co., 1708 Columbus, Cleveland, O.
Gibbes Machinery Co., Columbia, S. C.
Hendy Joshua Iron Works, 75 Fremont, **San Francisco, Cal.**
Howell R. R. & Co., 31st av, Minneapolis, Minn.
Lamb Machine Co., Hoquiam, Wash.
Lane Mfg. Co., Montpelier, Vt.
Lombard Iron Works & Supply Co., Augusta, Ga.
Lyon Iron Wks. ("Ireland"), Greene, N. Y.
Murray D. J. Mfg. Co., Wausau, Wis.
Perkins & Co. ("Columbia"), Grand Rapids, Mich.
Phoenix Mfg. Co., Eau Claire, Wis.
Rochester Barrel Mach. Works, Rochester, N. Y.
Southern Engine & Boiler Mfg. Co., Jackson, Tenn.
Star Machinery Co., 1713 1st av S, Seattle, Wash.
Street Bros. Machine Works, Chattanooga, Tenn.
Sumner Iron Works ("Sumner"), Everett, Wash.
Taylor Iron Works & Supply Co., Macon, Ga.
Trevor Mfg. Co., Lockport, N. Y.
Union Iron Works, Bangor, Me.
United States Machine Co., Williamsport, Pa.
Wheland Co., W Side & 27th, Chattanooga, Tenn.
Woodruff Machinery Mfg. Co., Winder, Ga.

9094—Ship Building Machinery

Alabama Dry Dock & Shipbuilding Co., Mobile, Ala.
Barnes Chas. Co., 55 Main, Cincinnati, O.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
General Machinery & Supply Co. (and supplies), 39 Stevenson st., San Francisco, Cal
Lufkin Foundry & Machine Co. (Electric Dubbing Machines), Lufiin, Texas.
Morgan Engineering Co., Alliance, O.
PELS HENRY & CO., INC., 90 West, New York
See adv index at end of book

Watson, Frye Co, Ltd., Bath, Me.
Williams & Wells Co., 253 Fulton, New York *See adv index at end of book*
Woods S. A. Machine Co. ("The Planer of Woods"), 27 Damrell, Boston, Mass.

9094a—Ship-Deck Machinery

Hadfield-Penfield Steel Co. (The), Bucyrus, O. *See adv index at end of book*

9095— Shoe Machinery

Allen Die Block Co., Haverhill, Mass.
Alsop Process Co. (Heel Building Machy., Insole Pasting Machy., Leather Grading Machy., & Heel Gauging Machine), 600 S 6th, Los Angeles, Cal.
Arnold H. H. Co., Inc. (Parts & Knives), Rockland, Mass.
Booth Bros. Co., Rochester, N. Y.
Buzzell J. G. & Co., 200 Congress, Boston, Mass.
Campbell-Bosworth Machine Co., 205 Lincoln, Boston, Mass.
Carver Cotton Gin Co., East Bridgewater, Mass.
Champion Shoe Machinery Co. (Wax Thread Sewing or Stitching Machine, etc.), 3727 Forest Park blvd, St. Louis, Mo.
Cilley W. W. & Co. (Stitchers), Lynn, Mass.
Duncan & Sons, 315H 2nd, Seattle, Wash.
Essex Machine Co., Lynn, Mass.
Freeman Louis G. Co., 909 Syramore, Cincinnati, O.
Progressive Shoe Machinery Co., 3132 Snelling av, Minneapolis, Minn.
Seelye Mfg. Co., 49 High, Boston, Mass.
Shawmut Machy. Co., 82 Lincoln, Boston, Mass.
Specialty Shoe Machinery Co. (For Repair Shops), St. Joseph, Mo.
Stewart Bros., Lynn, Mass.
Tower Bros., Hudson, Mass.
United Shoe Machy. Co., 205 Lincoln, Boston, Mass.
Young W. J. Machinery Co., 418 Union, Lynn, Mass.

9096-7-8—Shoe Nailing Machines

Champion Shoe Machinery Co., 3727 Forest Park blvd, St. Louis, Mo.
Specialty Shoe Mach'y Co. ("Crowe"), St. Joseph, Mo.
United Shoe Machinery Co. ("Pettingill"), 205 Lincoln, Boston, Mass.

9099—Shoe Repairing Machines

Champion Shoe Machinery Co., 3727 Forest Park blvd, St. Louis, Mo.

9100—Shoe Seam Rubbing Machines

Shawmut Machy. Co. (Hand), 82 Lincoln, Boston, Mass.

9101—Shoe Seaming Machines

Shawmut Mach'y Co. (Hand), 82 Lincoln, Boston, Mass.

9102—Shoe Shining Machines (Automatic)

Westmoreland Automatic Machine Co., Irwin, Pa.

9103—Shoe Stitching Machines

Champion Shoe Machinery Co., 3727 Forest Park Blvd, St. Louis, Mo.

9104—Shoe Tip Scouring & Buffing Machines

Donnelly Machine Co. ("Gilmore"), Brockton, Mass.
Shawmut Mach'y Co., 82 Lincoln, Boston, Mass.

9105—Shoe Treeing Machines

Miller O. A. Treeing Mach. Co., Brockton, Mass.

9106—Shoe Vamp Edge Folding Machines

Lufkin John W., & R. H., 38 Chardon, Boston, Mass.

9107—Shoe Vamp Marking Machines

Rogers John F., Belfast, Me.

Shop Sawing Machines (Iron)

See Cold-Saw Cutting-Off Machines; also Hot Sawing Machines; also Rail Sawing Machines

9108— Shot Machines

Fanning J. P., 678 Jefferson av, B'klyn, N. Y.

9109—Shovel Handle Machinery

Defiance Machine Works, Defiance, O.

9110— Shovel Machinery

Bertsch & Co., Cambridge City, Ind.
Eureka Mechanical Shovel Co. ("Hoar"), Virginia, Minn.
Garrison A. Foundry Co. (Rolling Mill), 901 Bingham, Pittsburgh, Pa.
Lake Shore Engine Works ("Halby"), Marquette, Mich.
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, O.

Shrapnel Machinery

See Projectile Machinery

9111—Shucking Machines (Buckwheat Hulling)

Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.

9112— Shuttle Machinery

Carey W. W. Co., Lowell, Mass.

9113— Siding Saw Machines

Connell & Dengler Machine Co. (Self Centering, etc), Rochester, N. Y.

9114— Sieve Machines

Wolf Co., Chambersburg, Pa.

9115— Sifting Machinery

Abbe Paul O., Inc., 71A Murray, New York *See adv index at end of book*
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Allis-Chalmers Mfg. Co. (Flour, Chemical, Industrial), Milwaukee, Wis. *See adv index at end of book*
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Crossley Machine Co. (For Wet Clay), State & Chestnut av, Trenton, N. J.
Great Western Mfg. Co. (For Flour Mills), Leavenworth, Kansas
Nordyke & Marmon Co., Kentucky av, Indianapolis, Ind.
Noye Bros. Co., 1447 Niagara, Buffalo, N. Y.
Robinson H. Mfg. Co., Muncy, Pa.
Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.
SPROUT WALDRON & CO., Muncy, Pa. *See adv index at end of book*
Wolf Co., Chambersburg, Pa.

9116—Silver Rolling Machinery

Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.

9117— Sizing Machines

Hadfield-Penfield Steel Co. (The), Bucyrus, O. *See adv index at end of book*
United Engineering & Foundry Co. (For ⅝ to 4-Inch Putt Wind Pipe), Farmers' Bank bldg, Pittsburgh, Pa.

9118—Sizing or Spooling Machines

Lang E. M. Co. (Canners), 341 Fore, Portland, Me.

9119— Skelp Charging Machines (Magnetic)

Taylor-Wilson Mfg. Co., McKees Rocks, Pa.

9120—Skin or Pate Cutting Machines

Black-Clawson Co. (For Cutting Hides, Pate, etc, for Glue Stock), Hamilton, Ohio

9121-2—Skiving Machines (Strawboard)

Knowlton M. D. Co. (Also Pulp Board), 26 Elizabeth, Rochester, N. Y.

Slack Barrel Machinery

See Barrel, Keg, Stave & Heading Machinery

9123—Slag & Cinder Machines

Flory S. Mfg. Co., Bangor, Pa.
Heyl & Patterson (For Blast Furnaces), 51 Water, Pittsburgh, Pa.

9124—Slate Dressing Machines

Ruggles Machine Co. (Dressing & Punching), Poultney, Vt.

9125-6—Slate Drilling & Countersinking Machines

Cedar Tool & Gage Corp. (Jobbing), 1662 State, Bridgeport, Conn.
Flory S. Mfg. Co., Bangor, Pa.
Ruggles Mach. Co. ("Ruggles"), Poultney, Vt.

9127— Slate Machinery

Flory S. Mfg. Co., Bangor, Pa. *See adv index at end of book*
Lincoln Iron Works, Rutland, Vt.
Patch F. R. Mfg. Co., Rutland, Vt.
Ruggles Machine Co. (Planers, Saws, Groovers, Trimmers, Drills, etc), Poultney, Vt.

9128—Slate Picking Machines

Norman Picker Co., Nanticoke, Pa.

9129-30—Slaughter House Machinery

See also Packing House Machinery

Brecht Co., 1201 Cass av, St. Louis, Mo.
Faber F. H. Co., Peoria, Ill.
Smith Theo. & Sons Co. (Digesters, etc), ft. of Essex, Jersey City, N. J.

9131— Slicing Machines (Bread, Meat, Etc.)

Anderson-Barngrover Mfg. Co., 333 W Julian, San Jose, Cal.
Blakeslee G. S. & Co. ("Blakeslee" & "Liberty"), W 19th & S 52nd av, Cicero, Ill.
Deer A. J. Co. (Meat "Royal"), Hornell, N. Y.
Jacobs Bros. Co., 71 Warren, New York
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Premier Machinery Co., Oakland, Cal.
Smith's John E. Sons Co., Buffalo, N. Y.
Streeter N. R. & Co. ("Sterling"), Rochester, N. Y.
U. S. Slicing Machine Co. (Meat), Laporte, Ind.
Wolf, Sayer & Heller ("Peerless" Smoked Beef), Fulton & Peoria, Chicago, Ill.

9132— Slip Joint Machines

Canton Foundry & Machine Co. ("Universal"), Canton, O. *See adv index at end of book*

9133—Slip Roll Forming Machines

Niagara Machine & Tool Works, Buffalo, N. Y.

9134— Slitting Machines

See also Sheet Metal Workers' Machines & Tools

Ams Max Machine Co. ("Ams"), 101 Park av, New York *See adv index at end of book*
Blake & Johnson Co., 1500 Thomaston av Waterbury, Conn. *See adv index at end of book*
BLISS E. W. CO. (Sheet Metal), 53d & 1st av, Brooklyn, N. Y. *See adv index at end of book*
Cameron Machine Co. ("Paper, Cloth & Rubber only), 61 Poplar, Brooklyn, N. Y.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y. *See adv index at end of book*
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Kidder Press Co., Dover, N. H.
Leffler Chas. & Co. (For Can Makers, etc), 59 Clymer, Brooklyn, N. Y.
Mitchell Jno. R. Co. (Gang Slitters), 702 S Washington, Baltimore, Md.
Niagara Machine & Tool Works, Buffalo, N. Y.
PELS HENRY & CO., INC., 90 West, New York *See adv index at end of book*
Pratt & Whitney Co., Hartford, Conn.
QUICKWORK CO., St. Marys, Ohio *See adv index at end of book*
Slaysman & Co., 801 E Pratt, Baltimore, Md.
Southwark Foundry & Machine Co., 128 S 4th, Phila., Pa. *See adv index at end of book*
Toledo Machine & Tool Co. (Gang), Toledo, Ohio
Torrington Mfg. Co., Torrington, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Wold, Torris & Co. (Automatic Gang, for Sheet Metal, Cardboard, etc.), 240 N Ashland av, Chicago, Ill.

9135—Slitting Machines (Gang)

AMS MAX MACHINE CO., 101 Park av, New York *See adv index at end of book*


AMS
Gang Slitters
For all Light Sheet Metals
High Speed—Labor Saving
Write for Catalog
THE MAX AMS MACHINE CO.
101 Park Ave., New York, N. Y.

(Continued on following page)

Slitting Machines (Gang)—Cont.

Blake & Johnson Co., 1509 Thomaston av, Waterbury, Conn.
See adv index at end of book

BLISS E. W. CO., 53d & 1st av, Brooklyn, N. Y.
See adv index at end of book

CAMERON MACHINE CO. (Paper, Cloth & Rubber only), 61 Poplar, Brooklyn, N. Y.

Davis Bournonville Co., **Van Wagner av,** Jersey City, N. J.
Detroit Reamer & Tool Co., **302 E. Congress,** Detroit, Mich.
Mitchell John R. Co. (Gang), 702 S Washington, Baltimore, Md.
Morse Twist Drill & Machine Co. **("Morse")** New Bedford, Mass.
Pratt & Whitney, Hartford, Conn.
Toledo Machine & Tool Co., Toledo, O.
Yoder Co., 5570H Walworth, Cleveland, O.

Slot Machines

See Vending Machines

9136— Slotting Machines

See also Screw Slotting Machines

Baker Bros. Toledo, O.
Bilton Machine Tool Co. (The), ("Bilton" Automatic Disc), Bridgeport, Conn.
Clough R. M., Tolland, Conn.
Consolidated Mach. Tool Corp. of Amer. Rochester, N. Y.
See adv index at end of book
Craftsman Tool Co., Conneaut, O.
Dill T. C. Machine Co., Inc. ("Dill"), **Somerset & Mascher, Phila., Pa.**
Espen-Lucas Machine Works (Stationary & Portable), 21 Girard av, Phila., Pa.
Garvin Machine Co., 147 Varick, New York
Hartford Machine Screw Co., Hartford, Conn.
Jones Machine Tool Works, 53rd & Lansdowne av, Phila., Pa.
MANNING, MAXWELL & MOORE, INC., 119 E 42nd, New York
See adv index at end of book
Morton Mfg. Co. (Portable), Muskegon Heights, Mich.
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*
Pottstown Machine Co., Pottstown, Pa.
Rhodes Mfg. Co. ("Rhodes"), 984 Park, Hartford, Conn.
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
Simmons Machine Co., Inc., 987 B'way Albany, N. Y.
Tindel-Marris Co. (Cold Saw), Eddystone, **Pa.**

9137—Slotting Machines (Crank)

Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
MANNING MAXWELL & MOORE, INC., 100 E 42d, New York
See adv index at end of book

9138—Slotting Machines (Locomotive Frame)

Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.

9139—Slotting Machines (Paper, Etc.)

Knowlton M. D. Co. (Corrugated & Solid Board), 26 Elizabeth, Rochester, N. Y.

9140—Slotting Machines (Portable)

Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Espen-Lucas Machine Works, Girard av & Front, Philadelphia, Pa.
Morton Mfg. Co., Muskegon Heights, Mich.
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*

9141— Smashing Machinery

Hall A. W. & Co. (Bundling), 216 N Clinton, Chicago, Ill.
Sheridan T. W. & C. B. Co. (Bookbinders), 401 B'way, New York

9142— Smelting Machinery

See also Mining Machinery

Allis-Chalmers Mfg. Co. (Copper & Lead, Ore), Milwaukee, Wis.
See adv index at end of book
California Smelting & Refining Co. ("Tracy" Leaching Process), 1841 E 59th, Los Angeles, Cal.
Colorado Iron Works Co., Denver, Col.
Denver Engineering Works Co., Denver, Col.
Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.
Pacific Foundy Co., 18th & Harrison, San Francisco, Cal.
Salt Lake Engng. Works, Salt Lake City, Utah
Sintering Machy. Corp., Netcong, N. J.
Traylor Engng. & Mfg. Co., Allentown, Pa.
Western Iron Works (Inc.), Butte, Mont.
Worthington Pump & Machy. Corp., 115 Broadway, New York

9143— Smoke Test Machines

Bailey Farrell Mfg. Co., So 20th & Sidney, Pittsburgh, Pa.
Garrison Brass & Machine Works, 107 W 13th, New York
Gunster Bros. ("Thomson"), Scranton, Pa.

Smoked Beef Shaving Machines

See Slicing Machines, Bread, Meat, etc.

9144—Smokeless Powder Mixing Machines

Abbe Paul O. Inc. ("Abbebilt"), 71 A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York. ***See adv index at end of book***
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Phila. Coppersmithing Co., 808 N Front, Phila., Pa.
Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.

9145—Smut Cleaning Machines

Huntley Mfg. Co. ("Monitor" for All Kinds of Grain), Silver Creek, N. Y.
Twin City Separator Co., 1701 N E Madison, Minneapolis, Minn.

9146-7—Snap Fastener Machines

Baird Machine Co. (Automatic), Stratford av, Bridgeport, Conn.

9148—Soapmakers' Machinery

Blanchard Machine Co., Cambridge, Mass.
Brown & Patterson, 33 Marcy av, Brooklyn, New York
Dundon Iron Works, 225 Folsom, San Francisco, Cal.
Dunning W. D., Syracuse, N. Y.
Houchin-Aiken Co. (Toilet, Laundry etc), 113 53d, Brooklyn, N. Y.
Jones R. A., Covington, Ky.
National Engineering Co., 549 W Washington blvd, Chicago, Ill.
Sharp L. C. Mfg. Co. (Soap Powder, Filling & Sealing), Plattsmouth, Neb.
Sowers Mfg. Co. ("Dopp"), 1300 Niagara, Buffalo, N. Y.

9149—Soap Mixing Machines

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York. ***See adv index at end of book***
Dundon Iron Works, 225 Folsom, San Francisco, Cal.
Dunning & Boschert Press Co., Inc., 379 W Water, Syracuse, N. Y.
See adv index at end of book
Dunning W. D., Syracuse, N. Y.
Houchin-Aiken Co., 113 53d, Brooklyn, N. Y.

9150— Soapstone Machinery

Patch F. R. Mfg. Co., Rutland, Vt.
Ruggles Machine Co., Poultney, Vt.
United Engineering & Foundry Co., Farmers' Bank bldg, Pittsburgh, Pa.

9151—Socket Threading Machines

Cox & Sons Co., 5th & Chestnut, Phila., Pa.
Taylor-Wilson Mfg. Co. (For Pipe & Tube Mills), McKees Rocks, Pa.
United Engng. & Fdry. Co., Keenan bldg, Pittsburgh, Pa.

9152-3—Soft Metal Cap & Capsule Machinery

BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book

9154—Solder Ribbon Making Machines

Wold, Torris & Co., 240 N Ashland av, Chicago, Ill.

9155— Soldering Machines

Brecht Co. (Vacuum Can, etc), 1201 Cass av, St. Louis, Mo.
Fanning J. P. (Triangular), 673 Jefferson av, Brooklyn, N. Y.
Ferracute Machine Co., Bridgeton, N. J.
Hubbard's Norman Sons, 603 Dean, Brooklyn, N. Y.
Lang E. M. Co., 341 Fore, Portland, Me.
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.
Seattle Astoria Iron Wks. "(Troyer Fox" Side Seam, Chain or Spiral), 601H Myrtle, Seattle, Wash.
Slaysman & Co., 801 E Pratt, Baltimore, Md.
Stecher Chas. Co. (For Soldering on the Ends of Large Square Cans, etc.), 2301 Knox av, Chicago, Ill.

9156—Soldering or Fusing Machines (Ear)

Stecher Chas. Co., 2301 Knox av, Chicago, Ill.

9157—Sole Blocking Machines

Quarmby & Hilliker ("Knox"), Lynn, Mass.

9158—Sole Cutting Machines

Wellman Co. (For Rubber), Medford, Mass.

9159—Sole Leather Stripping Machines

Quarmby & Hilliker, Lynn, Mass.

9160— Sounding Machines

Hand Jno. & Sons Co. ("Sir Wm. Thompsons"), 208 Chestnut, Phila., Pa.
Kelvin & Wilfred C. White Co., 112 State, Boston, Mass.
Mazer Acoustic Co., 324 S 7th, Philadelphia, Pa.
Weule Louis Co. (Electric Motor), 6 California, San Francisco, Cal.

9161—Spark Plug Machinery

Paterson Fdry & Mach. Co., E. Liverpool, O.

9161a—Special Automatic Metal Working Machines

REDIN EKSTROM & CO., 1439 Railroad av, Rockford, Ill.
See adv index at end of book

9162— Special Machinery

See also Special Machinery, Designers of

Accurate Engng. Co., 150 E 4th, Plainfield, N. J.
Acme Machine Co., 316-26 N. 17th, Phila., Pa.
Adams Bros. & Co., 136 W Lake, Chicago, Ill.
Adams-Campbell Co., 1730 S Los Angeles, Los Angeles, Cal.
Adapt Machinery Co., 1624 Wabash av, Chicago, Ill.
Advance Mfg. Co., Hamilton, Ohio.
Advance Tool Works, 439 No. Western av, Chicago, Ill.
Akron Gear & Engine Co., 55 E South, Akron, O.
Allen Mach. Co., 1279 E 3d, Cleveland, O.
American Instrument Works, Inc., 18 E Lacock, Pittsburgh, Pa.
American Mach. & Fdry. Co., 5520 2d av, Brooklyn, N. Y.
American Machine & Mfg. Co., 441 Folsom, San Francisco, Cal.
Anderson Tool Co., Elyria, O.
Apex Mfg. Co., Ft Powell, Oakland, Cal.
Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
Atlas Indicator Works, 160 North Wells, Chicago, Ill.
Atlas Tool Works, 488 John, Bridgeport, Conn.
Automatic Mach. Co., 113 E Washington, Bridgeport, Conn.
Automatic Machy. & Equipment Co. (Automatic), 1110H Land Title bldg, Phila, Pa.
Baird Mach. Co., Stratford av, Bridgeport, Conn.
Baker Iron Works, 950 N B'way, Los Angeles, Cal.
Baldwin C. S. Mfg. Co., Cherry, Milford, Conn.
Bates Machine & Tractor Co., Henderson, Joliet, Ill.
Bath John & Co., Inc., 8 Grafton, Worcester, Mass.
Bayley Wm. Co., Springfield, Ohio.
Beaman & Smith Co., Providence, R. I.
Beaver Machine & Tool Co., Inc., 625 N 3rd, Newark, N. J.
Belcher George E. Machine Co., 12H North av, Wakefield, Mass.
Berry Machy. & Supply Co., 289 W Santa Clara av, San Jose, Cal.
Bethlehem Steel Co. (Heavy), Bethlehem, Pa.
Biggs Boiler Works Co., Case av & Williams, Akron, Ohio
See adv index at end of book
Bilgram Mach. Wks., 1231 Spring Garden, Phila., Pa.
BINGHAM STAMPING & TOOL CO., Post & Albion, Toledo, Ohio
See adv index at end of book
Binns Machine & Tool Works, 71 Perry, San Francisco, Cal.
Birch & Birch (to order), Crawfordsville, Ind.
Black Bros. Co. (The) Inc., Mendota, Ill.
See adv index at end of book
Black & Decker Mfg. Co., E Penn av, Baltimore, Md.
Blair Mfg. Co., Camden, N. J.
Blake & Johnson Co., 1509 Thomaston, Waterbury, Conn.

Blanchard Mach. Co., 64 State, Cambridge, Mass.
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Bloomfeldt & Rapp Co., 100 N. Jefferson, Chicago, Ill.
Boncher H. E. Mfg. Co., 150 Lafayette, New York
Boston Scale & Machine Co., 100 Ruggles, Boston, Mass.
Boston Tool & Mfg. Co., Inc., 262 Dover, Boston, Mass.
Braddock Manufacturing Co., Braddock, Pa.
Braunschwerger Bros., Toledo, O.
Brooks Forge & Machine Co., York, Pa.
Brown A. & F. Co., 79 Barclay, New York
Brown Engineering Co., 110 N 3rd, Reading, Pa.
Bucher-Smith Co., East Liverpool, Ohio.
Budd & Ranney Mfg. Co., Chestnut & Water, Columbus, O.
Bultman F. H. Co. (The), 10271 Berea rd, Cleveland, Ohio
Cameron Can Machinery Co., 240 N Ashland av, Chicago, Ill.
Campbell Andrew Co., Inc., Waterbury, Ct.
Cannon T. J. & Sons Machine Co., Lynn, Mass.
Canton Machine Shop, 320 Rex S E, Canton, Ohio
Carr Jas. Co., 132 N 7th, Phila., Pa.
Carroll Fdry. & Mach. Co., Bucyrus, O.
Cedar Tool & Gage Corp., 1862H State, Bridgeport, Conn.
Central Machine Wks. Co. (Designers & Manufacturers), 1234 Central av, Minneapolis, Minn.
Central Machine Works, Inc., 940 Santee, Los Angeles, Cal.
Centre Foundry & Machine Co., Wheeling, W. Va.
Christiana Mach. Co., (Contractors) Dept. H, Christiana, Pa.
Cincinnati Engineering Tool Co., Winton pl., Cincinnati, O.
City Machine Co., 5321 St Clair, Cleveland, O.
Clegg Mfg. & Tool Co., Attleboro, Mass.
Clyde Iron Works Sales Co., Duluth, Minn.
See adv index at end of book
Clyne R. G. Engineering Co., 12th & Tyler, St. Louis, Mo.
Colton Arthur Co., 2600 E. Jefferson, Detroit, Mich.
COLUMBUS DIE, TOOL & MACH. CO., 955 Cleveland av, Columbus, O.
Combination Engine Co. (Cold Rolled Machy.), 3148H Penn av, Pittsburgh, Pa.
Connellsville Foundry, Machine & Steel Casting Co. (Built to Drawing), Connellsville, Pa.
Conner Mfg. Co. (Light), 225 Natoma, San Francisco, Cal.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Continental Machine Works, Oakland, Cal.
Cook H. C. Co., Ansonia, Conn.
Covington Machine Co. (Built to Order), Lexington, Covington, Va.
Crellin Machine Co., 123 Llewellyn, Los Angeles, Cal.
Cresson Morris Co., 18th & Allegheny, Phila, Pa.
Cummings Machine Wks., 255 Atlantic av, Boston, Mass.
Danville Iron & Steel Co., Danville, Pa.
Davenport Machine & Fdry. Co. (Heavy), Davenport, Ia.
Davis C. F. Machine Co., Inc., 133 Andrews, Rochester, N. Y.
Davis K. A. Mfg. Co., 167 13th, Oakland, Cal.
Decatur Novelty Wks. Decatur, Ill.
Defiance Machine Wks., Defiance, O.
De Hart Mfg. Co., 528 W 24th, New York
Detroit Model Mach. Wks., Fremont, O.
Dienelt & Eisenhardt Inc., 1304 N. Howard, Philadelphia, Pa.
Diits Machine Wks., Dept. H, Fulton, N. Y.
Dines Wm. L. Gin Co., 19 Monteney, Worcester, Mass.
Dodge, H. C., Inc., 46 Alger, Boston, Mass.
Doelger & Kirsten, 3015 Chambers, Milwaukee, Wis.
Dover Geo. W. Inc., 1012 Eddy, Providence, R. I.
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Dundore Mfg. Co., Reading, Pa.
Dunn J. Edward Co., 9 Bethume, New York.
DU PONT ENGINEERING CO., Wilmington Shops, Wilmington, Del.
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Eagle Engineering Co., Springfield, O.
Earle Gear & Machine Co., 4707 Stenson, Philadelphia, Pa.
East Iron & Mach. Co., 351 E Market, Lima, O.
Eisler Mfg. Co., Rochester, N. Y.
Elec. Appliance Mfg. Co. (To Order), Dept H, Waterbury, Conn.
Elgin Tool Wks., Elgin, Ill.
Ellwood Foundry & Mach. Co., Ellwood City, Pa.
Emery A. H., Glenbrook, Conn.
Empire Machine & Stamping Co., 59 Terrace, Buffalo, N. Y.
Enterprise Tool & Metal Works, 2449 N Western av, Chicago, Ill.
Euclid Machine Engineering Co., 1838 Noble rd, Cleveland, Ohio
FARRAR & TREFTS, INC., Buffalo, N. Y.
FAWCUS MACHINE CO., 2818-2828 Smallman, Pittsburgh, Pa.
See adv index at end of book
Federal Shipbuilding Co. (General Contract Work), Kearney, N. J.
Fenton Machine Tool & Die Co., Inc., Fenton, Mich.
Fernholtz Machy. Co., 2053 E 38th, Los Angeles, Calif.
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Foote Bros. Gear & Machine Co. (Engineers' & Machinists'), 213 N Curtis, Chicago, Ill.
Forsberg Mfg. Co., Bridgeport, Conn.
Fort Dearborn Mfg. Co., Sterling, Ill.
Fouch Elec. Mfg. Co., 105 N 9th, Portland, Ore.
FRANKLIN MACHINE CO., Providence, R. I. *See adv index at end of book*
Fulton Fdry Co., 1209 Marquette av, Cleveland, O.
Fulton Iron Works Co., 1259 Delaware av, St. Louis, Mo.
Gale O. M. Tool & Machy. Co., 303 Wallace, Syracuse, N. Y.
Garbe Mfg. Co., 1723 San Fernando rd, Los Angeles, Cal.
Gardham & Sons, Wm., 114 Park pl, New York
Garrin Mach. Co., 147 Verick, New York
Geier P. A. Co., 5112 St. Clair av, Cleveland, O.
Geiger Iron Works, Scott & Union, Stockton, Cal.
Geiras Mfg. Co., 417 E 156th, New York.
Gem City Mach. Co., Dayton, O.
General Apparatus C. (Fine), Aspinwall, Pa.
General Engineering & Mfg. Co., 1519 S 10th, St. Louis, Mo.
General Engineering & Supply Co., 160 5th av, Mohawk bldg, New York
General Mach. Wks., York, Pa.
Geometric Tool Co., New Haven, Conn.
Gerdes & Co., 42 Church, New York
See adv index at end of book
Germanow-Simon Machine Wks., 58 Mill, Rochester, N. Y.
Gisholt Mach. Co., Madison, Wis.
Gooley & Edlund, Cortland, N. Y.
Gosa Brockman Co., 1019-25 W Schiller, Phila., Pa.
Grant Mfg. & Mach. Co., N. W. Station, Bridgeport, Conn.
Gray Machine & Parts Corp., Dept. H, Batavia, N. Y.
Greenlee Bros. & Co., 12th, Rockford, Ill.
Greenville Iron Wks., Greenville, S. C.
Greenwood Chester Co., Farmington, Me.
Gries Bros., 450 E 148th, New York
Griffitts T. H. Machine Works, 20 Clementina, San Francisco, Cal.
Griscom-Russell Co., 92 West, New York
See adv index at end of book
Guarantee Engineering & Machine Co. **("G. E. M. Co."), 1001H North Main, Los Angeles, Cal.**
Gunnell-Manitowac Shipbuilding Co., Manitowac, Wis.
Guyton & Cumfer Mfg. Co., 4451 Filmore, Chicago, Ill.
Haberle, J. B., South Bend, Ind.
Hahn Harry W. Mfg. Co., 629 S San Pedro, Los Angeles, Cal.
Hanke Iron & Wire Works, 800 N Albany av, Chicago, Ill.
Hanna Engng. Wks., 2065 Elston av, Chicago, Ill.
Harbor Machine Co., 183 High, Boston, Mass.
Hardie-Tynes Mfg. Co., Birmingham, Ala.
Harrisburg Fdry. & Mach. Works, Harrisburg, Pa.
Harrison Machine Co., Inc., 144 Platt, Rochester, N. Y.
Hart Fdk. & Co. (Designers & Makers), 837 Main, Poughkeepsie, N. Y.
Hartford Special Machy. Co., Hartford, Conn.
Harvey Machine Co., 1335 S Los Angeles, Los Angeles, Cal.
Hartz Henry & Co., Cuyahoga & Mahoning av, Cleveland, O.
Havanna Mfg. Co., Havanna, Ill.
Heartley Mach. Variety Iron & Steel Wks., 900 Summit, Toledo, O.
Hempelman & Hector, 120 Longworth, Cincinnati, O.
Henry, Millard & Henry Co., York, Pa.
Herith O. B. Mfg. Co. Inc., 983 Main, Hartford, Conn.
Herrick & Cowell, New Haven, Conn.
Hetherington Co., Piqua, O.
Hill Clutch Co., 1000 W 58th, Cleveland, O.
Hinsman Machine & Tool Co., Westfield, Mass.
Hoeft & Co., 400 N Ashland, Chicago, Ill.
Hoggson & Pettis Mfg. Co., 161 Brewery, New Haven, Conn.
Hollingswood, Wm., 229 N Holliday, Baltimore, Md.
Hommel Leon Machine Works, 416 23rd, Oakland, Cal.
Horat J. Mfg. Co., 417 Ferry, Lafayette, Ind.
Horton Mach. Wks., Elmira, N. Y.
Houston, Stanwood & Gamble Co., 3rd & Phila, Cincinnati, O.
Howard Iron Wks., 122 S Michigan av, Chicago, Ill.
Hoysradt & Case, Kingston, N. Y.
Hunsicker Engineering Co., Lebanon, Pa.
Hunt-Rodney Hunt Mach. Co., Orange, Mass.
Hydraulic Press Mfg. Co, (Hydraulic "H P M"), 24 Lincoln av, Mount Gilead, Ohio. *See adv index at end of book*
Ideal Mach. & Tool Co., 128 Longworth, Cincinnati, O.
Ideal Tool & Machinery Co., Beaver Falls, Pa.
Industrial Electric Co., 1216 Santa Fe av, Los Angeles, Cal.
Industrial Products Co., 334 N Irving av, Chicago, Ill.
Inland Mach. Wks., 17th & Locust, St. Louis, Mo.
Jamestown Die & Tool Corp., Jamestown, N. Y.
Jaxon Co., 1010-12-14 Jackson, Toledo, O.
Jensen-Kohlert Mfg. Co., St. Charles, Ill.
Jersey City Mach. Co., 113 Plymouth, Jersey, N. J.
Johnson I. H. Jr. Co., Inc., 337 N 15th, Phila., Pa.
Johnston & Jennings Co., Addison rd & N Y C RR, Cleveland, O.
Jones Machine Tool Works, 53rd & Lansdowne av, Phila., Pa.
Kane & Roach, Niagara & Shonnard, Syracuse, N. Y.
Keagy & Lear Machine Co., Coshocton, O.
Kelton Mach. Co., 76 South 8th st, B'kyn, N. Y.
Kent-Owens Machine Co., 955 Wall, Toledo, Ohio.
Kidder R. E. Co., 33 Hermon, Worcester, Mass.
Kilbourne & Clark Mfg. Co., 101 Spokane, Seattle, Wash.
Kinzig Tool Co., 1239H W 3rd, Cleveland, Ohio
Knowlton M. D. & Co., 26 Elizabeth, Rochester, N. Y.
Kohler Die & Specialty Co., De Kalb, Ill.
Konigslow Stamping & Tool Wks., Cleveland, O.
Kotton Mach. Co., 57 Academy, Jersey City, N. J.
Krag Franz K., 542 W Jackson blvd, Chicago, Ill.
Krasberg Piston Ring Co., 117 N Jefferson, Chicago, Ill.
Kuhn & Jacob Machine & Tool Co., Trenton, N. J.
Lambert & Todd Mach. Co., Camden, N. J.
Lammert & Mann Co., 221 N. Wood, Chicago, Ill.
Lancaster Structural & Foundry Co., Woolworth bldg, Lancaster, Pa.
Langelier Mfg. Co., Arlington, Providence, R. I.
Larbough-Jordon Tool & Machine Co., Elkhart, Ind.
Laur Jno. Machine Co., 110 St. Antoine, Detroit, Mich.
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.
Leonard Machine Wks., 1222 Race, Phila., Pa.
Levi, Benjamin, (To Order), 355 W B'way New York.
Liberty Gauge & Instrument Co., 6545 Carnegie av, Cleveland, Ohio.
Liberty Tool & Machine Co., Dept. H, Derby, Conn.
Lidseen Gustave, 832 S Central av, Chicago, Ill.
Lindstrom Die Tool & Gauge Wks, 50 Silliman, Bridgeport, Conn.
Lippincott-Carwen Co., Erie av & Richmond, Phila., Pa.
Littell F. J. Machine Co., 4127 Ravenswood av, Chicago, Ill.
Los Angeles Machine Works, 316 Azusa, Los Angeles, Cal.
Love Bros., Inc., Aurora, Ill.
LUEHRS CO., THE, 118 St. Clair av N E, Cleveland, Ohio
See adv index at end of book
Lutter & Gies Co., 258 Lake, Milwaukee, Wis.
Lutz Co., Inc., Dept. H, Morris & Bambrey, Phila, Pa.
Lutz J. H. (Light), Circleville, O.
McCall Machine Works, 5734 Lyell av, Rochester, N. Y.
McCulloch Mfg. Co., 200 Old Colony av, Boston, Mass.
Mackin Stephen Mfg. Co. (Contractors), 54 Hermon, Worcester, Mass.
Mackintosh-Hemphill Co., 12th & Etna, Pittsburgh, Pa.
MacLeod Mfg. Co., 2640 Greenview av, Chicago, Ill.
Maine Machine Works, 701 N Main, Los Angeles, Cal.
Malm & Stahl Tool Works, 561 Washington, Chicago, Ill.
Manufacturers Consulting Engineers, McCarthy bldg, Syracuse, N. Y.

(Continued on following page)

Special Machinery—Continued

Marvin W. B. Mfg. Co. ("Marvin") Urbana, Ohio.
Marvin & Casler Co., Canastota, N. Y.
Maskell J. H. Machine & Mfg. Co., 1419 E 40th, Cleveland, O.
MECCA MACHINERY CO. (Built on Guaranty Contract), 85-87 Adams, Brooklyn, N. Y.
Mehl Machine, Tool & Die Co., Roselle, N. J.
Meisel Press Mfg. Co., 942 Dorchester av, Boston, Mass.
Meisselbach-Catucci Mfg. Co., 56 Stanton, Newark, N. J.
See adv index at end of book
Meldrum Gabrielson Corp., Fayette, Syracuse, N. Y.
Mesta Mach. Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*

Mesta Machine Company
Pittsburgh, Pa., U. S. A.

Metal Saw & Machine Co. Inc., 40 Napier, Springfield, Mass.
Meyer Geo. J. Mfg. Co., 598 Clinton, Milwaukee, Wis.
Meyers W. F. Co., Bedford, Ind.
Michigan Forge & Iron Wks., 30 Richmond av, Detroit, Mich.
Middlesex Mach. Co., Inc., Middletown, Conn.
Milford Machine & Tool Co., H New Haven av, Milford, Conn.
Millard Henry & Henry Co. (& Parts), York, Pa.
Modern Machinery Co., Wilmington, Del.
Modern Tool, Die & Machine Co., 216-220 No Fourth, Columbus, O.
Monarch Tool & Mfg. Co., The, 122 Opera pl, Cincinnati, O.
Moore & Co., 305 W Grand av, Chicago, Ill.
Moore J. W. Machinery Co., Spring & Second, Everett, Mass.
Moore Mach'y Co., 213 Guilford av, Baltimore, Md.
Morley Mach. Corp'n, 814 St. Paul, Rochester, N. Y.
Morris I. P. Co., Richmond & Norris, Phila., Pa.
Morrisville Fdry. Co., Morrisville, Vt.
Morgan Engineering Co. (Steel Works and Rolling Mill), Alliance, O.
Munson Mill Mach'y. Co., Utica, N. Y.
Murrill & Kuzer (Light), 206 N Holliday, Baltimore, Md.
Myer-Moran Co., 522-24 East, Baltimore, Md. *See adv index at end of book*

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National Machy. Co., Tiffin, O.
National Production Co., Bellevue & Benson, Detroit, Mich.
National Tool Co., Cleveland, O.
See adv index at end of book
Nelson A. H. Machine Co., B dgeport, Conn.
Nelson Machine Co., Taunton, Mass.
Nelson Tool Co., 731 E 142d, New York
Nestor Mfg. Co., 40 W. 13th, New York
New Britain Mach. Co., 190 Chestnut, New Britain, Conn.
New Britain Tool & Mfg. Co., New Britain, Conn.
New England Wire Machinery Co., Water Front cor Stiles, New Haven, Conn.
Newman Mfg. Co., Cincinnati, O.
Newman Manufacturing Co., 542 W Jackson, Chicago, Ill.
New Process Specialty Co., 230 Hanover, Milwaukee, Wis.
Niagara Machine & Tool Wks., Buffalo, N. Y.
Nicholson W. H. Co., Wilkes-Barre, Pa.
Nilson A. H. Machine Co., 55 William, Bridgeport, Conn.
Nilson-Miller Co., 50 13th, Hoboken, N. J.
Nordquist Mach. & Mfg. Co., 555 N Monrote, Chicago, Ill.
North Side Tool Co. The, 17-19 Maryland av, Dayton, O.
Octon Engineering Assn., Inc., Rochester, N. Y.
Oil City Boiler Wks., 351 Seneca, Oil City, Pa.
Oliver Mfg. Co., 4th & Madison, Oakland, Cal.
Osann Frederick Co., 245 7th av, New York
Osborn F. C., 130 Lawrence av, Detroit, Mich.
Oster Mfg. Co., 2057 E 61st pl, Cleveland, O.
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Parsons Machinery, Marlboro, Mass.
Pauck E Machine Co, 3440 Summit av
Pedersen Mfg. Co., 236 Middle, Bridgeport, Conn.
Perry F. W. Mach. Co., Youngstown, O.
Perfection Machine & Tool Works, 1568 E 22nd, Los Angeles, Cal.
Peyser-Hansen Machine Co., Dept. H, Mt. Vernon, N. Y.
Phoenix Iron Wks. Co., Meadville, Pa.
POOLE ENGINEERING AND MACHINE CO., Woodberry, Baltimore, Md.
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Poulsen & Nardon, 230 N Los Angeles, Los Angeles, Cal.
Powdered Coal Eng. & Equipment Co., 2401 W Washington blvd, Chicago, Ill.
PORTER-CABLE MACHINE CO., THE (Designers and Builders. Large Toolroom. Skilled Men. Wide Experience), 708 N Salina, Syracuse, N. Y.
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Precision Engineering Co., Jamestown, N. Y. *See adv index at end of book*
Presto Machine Works, 70 Washington, Brooklyn, N. Y.
Price Bros., Frederick, Md.
Pringle & Brodie Machy. Co., 566 Polk, Chicago, Ill.
Printers Chase & Machine Wks., 159 N Jefferson, Chicago, Ill.
Q. M. S. Co., 1771 Elston av, Chicago, Ill.
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Sabin Mach. Co., 6536 Carnegie av., Cleveland, O.
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VILTER MFG. CO., 1046 Clinton, Milwaukee, Wis. *See adv index at end of book*
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White A. E. Machine Wks., Eau Claire, Wis.
Wilcox Motor Parts & Mfg. Co., Saginaw, Mich.
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Williams Mfg. Co., Inc., 18 Eddy, Providence, R. I.
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Youngstown Sheet & Tube Co. (The), Youngstown, Ohio
Zeidler William A. Co., 182 Locust av, New York.

9162a—Special Machinery (Designers of)

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LUEHRS CO. (THE), 118 St. Clair av N E, Cleveland, Ohio
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Redin-Ekstrom & Co., 1439 Railroad av, Rockford, Ill.
See adv index at end of book
Roe Walter H., Spayth blk, Tiffin, Ohio
Ruggles Horace F. (Sugar), 80 South, New York
V. & O. Press Co., Hudson, N. Y.
Wappat Gear Works, Mead & Braddock av, Pittsburgh, Pa.

Spice Mill Machinery

See Coffee & Spice Mill Machinery

9163— Spike Machinery

National Machinery Co. (Wire), Tiffin, O.
Youngstown Foundry & Machine Co., (Automatic or Hand Feed for Track Spikes), Youngstown, O.

9164—Spinach Canners' Machinery

Huntley Mfg. Co., ("Monitor" Whirlpool Blanchers, Washers & Coolers), Silver Creek, N. Y.
Premier Machinery Co., 310 Sansome, San Francisco, Cal.
See adv index at end of book

9165-6—Spindle Carving Machines

Bingham Stamping & Tool Co., 1433-1439 Dorr, Toledo, Ohio.
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Jenkins Machine Co., Sheboygan, Wis.
Porter C. O. Machinery Co., 666 Front av, Grand Rapids, Mich.
Valley City Mach. Works, Grand Rapids, Mich.

9167—Spiral Oil Grooving Machines

Garvin Machine Co., 147 Varick, New York

9168—Spiral Twist Moulding Machines

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9169—Spoke Auger Machines

House Cold Tire Setter Co. ("Ever-Ready" Self-Feeding), 4143 Laclede av, St. Louis, Mo.

9170—Spoke Driving Machines (Automatic)

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9171—Spoke Facing Machines

Defiance Machine Works, Defiance, O.

Spoke Machinery

See Hub, Spoke & Rim Machinery

9172—Spoke Tenoning Machines

Defiance Machine Works, Defiance, O.
San Francisco Engn. Co., 322 6th, San Francisco, Cal.
Silver Mfg. Co. ("Silver" & "Dole & Denning"), Box 256, Salem, Ohio

9173—Spoke Throating Machines

Defiance Machine Works, Defiance, O.

9174-5-6—Spool Stock Sawing Machinery

Chapman's T. M. Sons Co., Old Town, Me.
Ricker T. H. & Sons Co., Harrison, Me.

9177—Spool & Bobbin Machinery

Defiance Machine Works, Defiance, O.
Goodspeed Machine Co., Winchendon, Mass.
Kline Lewis T., Alpena, Mich.
Murkland John W. Co., Barton, Vt.
Thompson Mfg. Co. (For Roughing & Finishing), Lancaster, N. H.

9178— Spraying Machines

See also Brushes, Pneumatic Spray; also Paint Spraying Machines; also Pumps Spray

Albert Lea Sprayer Co. (Compressed Air & Hand), Albert Lea, Minn.
Anthony Co. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.
Bean Spray Pump Co., W. Julian, San Jose, Cal.
BINKS SPRAY EQUIPMENT CO., 3129 Carroll av, Chicago, Ill.
DEMING CO. ("Victory" "Victory Junior," "Adapter" Power Sprayed), Salem, Ohio.
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Dings Magnetic Separator Co., 672 Smith, Milwaukee, Wis.
See adv index at end of book
Domestic Engine & Pump Co., Dept H, Shippensburg, Pa.
Field Force Pump Co., Elmira, N. Y.
Metals Coating Co. of Amer. ("Scoop" Metal Coating Process), 495 N 3rd, Phila., Pa.
Myers F. E. & Bro., 950 Orange, Ashland, Ohio.
See adv index at end of book
Peerless Pneumatic Systems, Inc. (Paint and Varnish), 108 N Jefferson, Chicago, Ill.
Spray Engng Co. ("Spraco" all Coatings), 60 High, Boston, Mass.
Walnut Growers Spray Mfg. Co. ("Nico-Dust" Dry), 2412 E 57th, Los Angeles, Cal.

9179—Spring Bed Machinery

Cevasco, Cavagnaro & Ambrette Inc., 156 Sixth, Brooklyn, N. Y.
Ivens Wm. H. Sons Co., P. O. Box 647, Trenton, N. J.
Lippert & Rhenstrom, Kenosha, Wis.
Pine-Ihrig Machine Co., Oshkosh, Wis.
SLEEPER & HARTLEY, INC., 335 Chandler, Worcester, Mass.
See adv index at end of book
Wells Frank L. Co., Kenosha, Wis.

9180-1—Spring Clamping Machines

Handy Mfg. Co. (For Woodworkers), 29 E Madison, Chicago, Ill.

9182—Spring Coiling Machines

Baird Machine Co. (Automatic), Stratford av, Bridgeport, Conn.
Coulter & McKenzie Mach. Co., 771 Water, Bridgeport, Conn.
Evans' Jno. Sons (Light & Heavy), 506 N 13th, Philadelphia, Pa.
Nilson A. H. Machine Co. (Automatic for Small Springs), 55 William, Bridgeport, Conn.
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9183a—*Spring Grinding Machinery

SLEEPER & HARTLEY, INC., 335 Chandler, Worcester, Mass.
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9183b— Spring Machinery (Hydraulic)

WOOD R. D. & CO., 400 Chestnut, Philadelphia, Pa.

9183c—Spring Setting Machinery

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9184—Spring Stripping Machines (Hydraulic)

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Southwark Foundry & Machine Co., 1128 S 4th, Philadelphia, Pa.
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9185—Squeezing Machines (Hand & Power)

Davenport Machine & Fdry. Co., Davenport, Ia.
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.
Stecher Chas. Co., 2361 Knox av, Chicago, Ill.

9186—Stabbing Machines (Bookbinders')

Hickok W. O. Mfg. Co., Harrisburg, Pa.

9187—Stair Routing Machines

Smith & Phillips Mfg. Co., 30 N Jefferson, Chicago, Ill.

Stamp Affixing Machines

See Postage Stamp Affixing Machines

9188-9— Stamping Machinery

Ams Max Machine Co., 101 Park av, New York. *See adv index at end of book*
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Leffler Chas. & Co. (Adjustable), 59 Clymer, Brooklyn, N. Y.

9190— Staple Machines

Baird Machine Co. (Automatic), Stratford av, Bridgeport, Conn.
Bates Machine Co., Joliet, Ill.
Nilson A. H. Machine Co. (Automatic), 55 William, Bridgeport, Conn.
SLEEPER & HARTLEY, INC., 335 Chandler, Worcester, Mass.
See adv index at end of book
Special Machinery Co. (Special Automatic), 38 Remer, Bridgeport, Conn.

9191— Stapling Machines

See also Wire Stapling Machinery
Acme Staple Co. Ltd. (Paper), Camden, N. J.
Hotchkiss E. H. Co. (Paper), Norwalk, Conn.
Hotchkiss Sales Co. ("Hotchkiss"), Norwalk, Conn.
Hutchison Office Specialties ("Spool-O-Wire"), 501 5th av, New York.
Saranac Machine Co., Benton Harbor, Mich.

9192—Starch Factory Machinery

Abbe Engineering Co., 38 Church, New York. *See adv index at end of book*
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Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
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Simpson-Orville Co., Cincinnati, O.

9193—Static Electric Machines

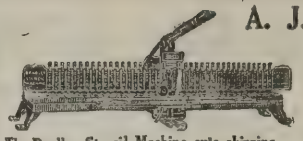
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McElliott D. P., 175 N State, Chicago, Ill.
Moore Bros. Lightning Rod Co., Maryville, Mo.
Waite & Bartlett Mfg. Co., ("Ranney"), 53 Jackson av, Long Island City, N. Y.

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Gerlach Peter Co., 1708 Columbus, Cleveland, Ohio.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Manning, Maxwell & Moore, Inc., 100 E 42d, New York
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Oram Jno. S. Co., 5240 Hamilton av, Cleveland, Ohio
Rochester Barrel Machine Works ("Widdowson," "Greenwood"), Rochester, N. Y.
Strait H. N. Mfg. Co., Kansas City, Kans.
Trevor Mfg. Co., Lockport, N. Y.
Wheland Co., W Side & 27th, Chattanooga, Tenn.

9197—Stave Rejointing Machines

Lange Machine Works, Aurora, Ill.
Stamm Machine Works, Aurora, Ind.
Trevor Mfg. Co., Lockport, N. Y.

9198—Stave Sawing Machines

American Sawmill Machinery Co., Hackettstown, N. J.
Gerlach Peter Co., 1708 Columbus, Cleveland, Ohio.
Whitney Baxter D. & Son, Winchendon, Mass.

Stave & Heading Machinery

See Barrel, Keg, Stave & Heading Machinery

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Acme Machinery Co., 4533 St. Clair av, Cleveland, O.
Baush Machine Tool Co. (Threading & Reducing), 156 Wason av, Springfield, Mass.
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Landis Machine Co., Waynesboro, Pa.
Millholland Mach. Co., 415 E 35th, Indianapolis, Ind.
Williams Tool Co. ("Reliance"), Erie, Pa.

9199a— Staybolt Machinery

BLISS CO., E. W., 53d & 1st av, Brooklyn, N. Y.
See adv index at end of book

9200—Staying Machines (Automatic)

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National Metal Edge Box Co. (For Setting up Paper Boxes with Metal Stay), 1217 Callowhill, Phila., Pa.

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Bradley A. J. Mfg. Co. ("Bradley"), 101 Beekman, New York.
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Bradley Stencil Machine Co., 3745 Forest Park blvd, St. Louis, Mo.

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9203—Stereotype Machinery

Ostrander-Seymour Co., 7 S Dearborn, Chicago, Ill.
Wesel F. Mfg. Co., 70 Cranberry, Brooklyn, N. Y.

9204-5—Sterilizing & Disinfecting Machines (Clothes)

Hospital Supply Co., 153 E 23d, New York
Troy Laundry Machinery Co., Ltd., 23d & La Salle, Chicago, Ill.

9206—Stone Channeling Machines

Bedford Foundry & Machine Co. (Electric), Bedford, Ind.
Ingersoll-Rand Co., (Steam or Air, Bar, Track & Undercutting), 11 B'way, New York. *See adv index at end of book*
New Albany Machine Mfg. Co. ("Wardwell"), New Albany, Ind.
Sullivan Machinery Co. (For quarries & Construction work), 122 S Michigan av, Chicago, Ill.

9207—Stone Channeling Machines (Steam, Air & Electric-Air)

INGERSOLL-RAND CO., 11 B'way, New York. *See adv index at end of book*

Stone Crushing Machinery

See Crushers, Rock & Ore

9208—Stone Cutting Machinery

Lincoln Iron Works, Rutland, Vt.

9209—Stone Gadder or Drilling Machines

INGERSOLL-RAND CO., 11 B'way, New York *See adv index at end of book*

9210—Stone Gang Sawing Machines

Anderson Geo. & Co., 420 Ogden, Newark, N. J.
Glover Machine Works (For Marble, etc.), Marietta, Ga.
Hinds Thomas Co., Malone, N. Y.
Lincoln Iron Works ("Merriman" Screw Feed, etc.), Rutland, Vt.
New Albany Machine Mfg. Co., New Albany, Ind.
Ruggles Machine Co., Poultney, Vt.
Savage, W. J. Co. (Marble), Knoxville, Tenn.

9211—Stone Polishing Machinery

Cavicchi Polishing Mach. Co., 62 Walnut, Dorchester, Boston 22, Mass.
Concord Axle Co., ("Jenny Lind"), Penacook, N. H.
Cooley-Wright Mfg. Co., (Buffers, Ironing Wheels, etc.), Waterbury, Vt.
Elec. Rotary Mach Co. ("Electric Rotary Machines," Also Marble), 3825 W Lake, Chicago, Ill.

Granite City Iron Works Co. ("Minnesota"), St. Cloud, Minn.
Harrison Supply Co., 5 Dorchester av, Boston, Mass.
Hinds, Thos. Co., Malone, N. Y.
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
Lincoln Iron Works, Rutland, Vt.
Meyers W. F. Co., Bedford, Ind.
Patch, F. R. Mfg. Co., Rutland, Vt.
Pittsburgh Crushed Steel Co., 61st & A. V. R. R., Pittsburgh, Pa.
St. Cloud Iron Works Co., ("Jenny Lind" & Column Polishers), St. Cloud, Minn.
Smith, Whitcomb & Cook Co., Barre, Vt.
Withers Foundry & Machine Co., Atlanta, Ga.

9212—Stone Sawing Machines

Anderson Geo. & Co., 420 Ogden, Newark, N. J.
Flory S. Mfg. Co. (Slate), Bangor, Pa.
See adv index at end of book
Frenier & Son, Rutland, Vt.
Hawley E. J. & C. H., Manchester, Vt.
Hinds Thos. Co., Malone, N. Y.
Lincoln Iron Works (Also Circular Sawing), Rutland, Vt.
New Albany Machine Mfg. Co., New Albany, Ind.
Patch F. R. Mfg. Co., (Also Circular Sawing), Rutland, Vt.
Ruggles Mach. Co. ("Ruggles"), Poultney, Vt.
Seward & Co., Bloomington, Ind.
Walton P. M., 1019 Gtn. av, Phila., Pa.
Wegner Machine Works, 63 Mills, Long Island City, N. Y.

9213—Stone Sifting Machines

Clark & Mills Electric Co., Cambridge, Mass.

9214—Stone Working Machinery

Anderson Geo. & Co. (Ltd.), 420 Ogden, Newark, N. J.
Carthage Foundry & Machine Wks., Carthage, Mo.
Cooley-Wright Mfg. Co. (Buffers, Ironing Wheels, Polishing Machines, etc.), Waterbury, Vt.
Dallett Thos. H. Co. ("Dallett" Pneumatic), 1324 Federal, H, Philadelphia, Pa.
Flory S. Mfg. Co., Bangor, Pa.
See adv index at end of book
Flynn & Emrich Co., 305 N Holliday, Baltimore, Md.
Glover Machine Works (Gang Saws & Rubbing Beds for Marble), Marietta, Ga.
Hawley E. J. & C. H., Manchester, Vt.
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
Lincoln Iron Works, Rutland, Vt.
Meyers W. F. Co., Bedford, Ind.
New Albany Machine Mfg. Co., New Albany, Ind.
Patch F. R. Mfg. Co., Rutland, Vt.
Ruggles Machine Co. (For Soft Stone, such as Slate, Soap & Sandstone), Poultney, Vt.
Seward & Co., Bloomington, Ind.
Smith, Whitcomb & Cook Co., Barre, Vt.
Ty-Sa-Man Machine Co. (Marble), White av, Knoxville, Tenn.
Wegner Machine Works (Coping & Moulding Machines, etc), 63 Mills, Long Island City, N. Y.

9215—Stove Pipe & Elbow Machines

Hemp & Co. ("Lightning"), Vandeventer, nr Shaw, St. Louis, Mo.
Niagara Machine & Tool Wks., Buffalo, N. Y.

Straightening Machines

See Index of Contents for Specific Kind Required

9215a—Straighting Knife Blade Machines

Kane & Roach, Niagara & Shonnard, Syracuse, N. Y.
Luther Mfg. Co., Olean, N. Y.

9216—Straightening Machines for Bars, Squares, Flats, Etc.

Chambersburg Engineering Co. (Angle Bars, Tubes, etc.),
Kane & Roach, Syracuse, N. Y.
SHUSTER F. B. CO., Cedar Hills, New Haven, Conn. *See adv index at end of book*
SUTTON-ABRAMSEN ENGINEERING CO. (Tubes, Sheets & Bars), 1309 Park bldg, Pittsburgh, Pa.

9217— Stranding Machines

Torrington Mfg. Co., Torrington, Conn.
Watson Machine Co., Paterson, N. J.

9218—Strawboard Lining Machines

Beloit Iron Works, Beloit, Wis.
Hobbs Mfg. Co., Worcester, Mass.

9219—Street Flushing Machines

Hvass Chas. & Co., 511 E 18th, New York
Kindling Machine Co. ("Kindling," Sprinkler, Sweep & Flusher Combined), Milwaukee, Wis.
O'Neil T. L. ("O. I. C.," "Economy"), Marseilles, Ill.
Studebaker Corp., South Bend, Ind.
Tiffin Wagon Co., Tiffin, O.

9220—Street Railway Sweeping Machines

See also Plows, Snow

Brill J. G. Co., 62d & Woodland av, Phila., Pa.
Consolidated Car Fender Co. ("Campbell"), Vale, Providence, R. I.
Good Roads Machinery Co., Kenneth Sq., Pa.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.

9221—Street Sweeping Machines

Abbott Downing Truck & Body Co., Concord, N. H.
Acme Road Machinery Co., Frankfort, N. Y.
Austin Mfg. Co., 910 S Mich av, Chicago, Ill.
BAY CITY IRON WORKS ("Bay City"), 1215 Harrison, San Francisco, Cal.
Clausmeier E. F., 222 E Columbia, Ft. Wayne, Ind.
Elgin Street Sweeper Co. (Motor), Elgin, Ill.
Etnyre E. D. & Co., Oregon, Ill.
Good Roads Machinery Co., Kennett Square, Pa.
Hvass C. & Co., 509 E 18th, New York
Kimball Motor Truck Co. ("Baxter Vacuum"), 1700 E 9th, Los Angeles, Cal.
Studebaker Corp., South Bend, Ind.
Universal Road Mach'y Co. ("Reliance"), Kingston, N. Y.
Vacuum Street Cleaning Co., Monrovia, Cal.

9222—Stretching Machines (Sheet Metal Plate)

Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.

9223—Stretching Machines (Skein)

Knapp Chas. H., Paterson, N. J.

9224— Striking Machines

Herschell-Spillman Co. (For Parks & Pleasure Grounds), North Tonawanda, N. Y.

9225— String Bean Machinery

Huntley Mfg. Co. ("Monitor," Cutters, etc.), Silver Creek, N. Y.
Invincible Grain Cleaner Co. (For Canners), Silver Creek, N. Y.
Lewis E. J. ("Lewis" Cutting for Canners), Middleport, N. Y.

9226— Stripping Plate Machines

Osborn Mfg. Co. (Hand & Power Heavy Duty), 5401 Hamilton av, Cleveland, O.

9227— Stucco Machinery

Butterworth & Lowe, Grand Rapids, Mich.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Ehrsam J. B. & Sons Mfg. Co., Enterprise, Kansas
Hodges Stucco Mach. Wks. (Electric), 3618 Coleraine, Cincinnati, O.
Master Rule Mfg. Co. Inc. (Stucco Apply Machine), 241 E 136th, New York.

9227a—*Stump Pulling & Piling Machines Combined (Gasoline & Steam)

Clyde Iron Works Sales Co., Duluth, Minn.
See adv index at end of book

The Index to Trades is the key to the vast stores of information in
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9227b— Sugar Machinery

Consult also Index of Contents for Specific Article Desired

Baker Iron Works, 950 N Broadway, Los Angeles, Cal.
Birmingham Mach. & Foundry Co. (Evaporators, etc.), 3700H 10th, Birmingham, Ala.
Buffalo Foundry & Machine Co. ("Buffovak"), 65 Winchester av, Buffalo, N. Y. *See adv index at end of book*

BUFFOVAK
SUGAR MACHINERY
Vacuum Pans, Vacuum Pumps
Evaporators, Pre-Evaporators
Calandrias, Filters, etc.
BUFFALO FOUNDRY & MACHINE CO.
65 Winchester Avenue, Buffalo, N. Y.

Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.
Dibert Bancroft & Ross Co. Ltd., Tulane & Hagan av, New Orleans, La.
Du Vivier Ernest H. (Imp), 30 Church, New York.
DUNCAN STEWART & CO. LTD. Export Dept., 43 Cedar, New York
Franklin Machine Co., Providence, R. I.
See adv index at end of book
Fulton Iron Works Co., 1259 Delaware av, St. Louis, Mo.
Harry Bros Co. (Coolers & Dust Collectors), Carrollton & I. C. R. R., New Orleans, La.
Honolulu Iron Works Co., 233 Broadway, New York
Kelvin Engng. Co., 106 Front, New York
Lewellyn Iron Works, 1200 N. Main, Los Angeles, Cal.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Maine Machine Works (Sugar Spray Washer), 701 N Main, Los Angeles, Cal.
Oat Joseph & Sons, 228 Quarry, Phila., Pa.
Phila. Coppersmithing Co., 808 N Front, Phila., Pa.
PULASKI FOUNDRY & MFG. CORP., 2424 Euclid av, Cleveland, O.
See adv index at end of book
Reading Iron Co., Reading, Pa.
Ruggles Horace F., 80 South, New York
Southwark Foundry & Machine Co., 1128 S 4th, Philadelphia, Pa.
See adv index at end of book
Squier Geo. L. Mfg. Co., Broadway and Mortimer, Buffalo, N. Y.
Sugar Machinery Co. (Automatic Spray Sugar Washer), 129 W 2nd, Los Angeles, Cal.
Von Phil Gilbert O., Hibernia Bank bldg, New Orleans, La.
Vulcan Iron Works ("Vulcan"), Wilkes-Barre, Pa.
York Heating & Ventilating Corp., Mill, Bridgeport, Pa.

9228—Sulphite Fibre Machinery

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York. *See adv index at end of book*
Carthage Machine Co., Carthage, N. Y.

9229— Sulphur Machines

Hassell Iron Works Co., Colorado Springs, Col.
Krajewski-Pesant Corp., 227 Fulton, New York

9230—Sulphuric Acid Machinery

Buffalo Foundry & Machine Co., 65 Winchester av., Buffalo, N. Y.
See adv index at end of book
Pratt Engineering & Machine Co. (Complete Plants), Atlanta, Ga.

9231— Suppository Machines

Colton Arthur Co. (Cold Compressed), 2600H E Jefferson, Detroit, Mich.
Hydraulic Press Mfg. Co., 24 Lincoln av, Mt. Gilead, Ohio
See adv index at end of book
Stokes F. J. Machine Co. ("Stokes'" Rotary), 6138 Tabor, Phila., Pa.

9232-3— Swaging Machines

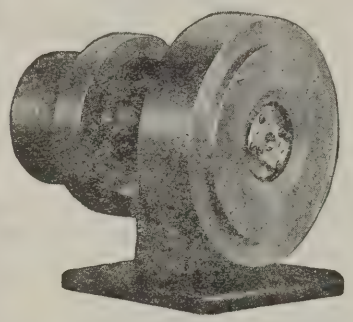
Canton Foundry & Machine Co. ("Universal" Power for Swaging Ends of Conductor Pipe), Canton, Ohio.
Davis Bournonville Co. (Tube), Van Wagner av, Jersey City, N. J.
Etna Machine Co. (Cold), Toledo, O.
Farnham Mfg. Co., 31 Indiana, Buffalo, N. Y.
Langelier Mfg. Co. (Cold & Hot Swaging, Hammering, Wire Wheel Spoke Swaging Machines), Arlington, Providence, R. I.
MacLeod Co., 2227 Bogen, Cincinnati, Ohio.
See adv index at end of book
Standard Machinery Co. (Rotary), Providence, R. I.

(Continued on following page)

Swaging Machines—Continued

TORRINGTON CO. (THE), Excelsior Plant ("Dayton"), Torrington, Conn.
See adv index at end of book

—in Wire Mills
—in Tube and Rod Mills
—in Jewelry Manufacture



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EXCELSIOR PLANT
TORRINGTON, CONN., U. S. A.

Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

9234—Syrup Filling Machines (Canners')

Fulton Engine Works, 1000 Alhambra, Los Angeles, Cal.
Premier Machinery Co., 310 Sansome, San Francisco, Cal.
See adv index at end of book
Smith Mfg. Co. Inc., Stockton & Alameda, San Jose, Cal.
Sprague-Sells Corp., 508 N Dearborn, Chicago, Ill.
U. S. Bottlers' Machinery Co. ("U. S."), 2511 Park av, Chicago, Ill.

9235— Syruping Machines

Anderson-Barngrover Mfg. Co., 333 W. Julian, San Jose, Cal.
Anderson Filling Machine Co., Webster Junction, Alameda, Cal.
Sprague-Sells Corp., 508 N Dearborn, Chicago, Ill.

9236—Tablet Counting & Boxing Machines

Mohan & Co., Inc., 44 E 23d, New York

9237— Tablet Machines

See also Pill Making Machines

Colton Arthur (Measuring Apparatus for Packing in Cartons & Bottle), 2600H E Jefferson, Detroit, Mich.
Hess & Barker ("Richard's Universal Automatic), 212 S Darien, Philadelphia, Pa.
Mulford H. K. Co., Broad & Wallace, Philadelphia, Pa.
Stokes F. J. Machine Co. ("Stokes"), 6138 Tabor, Phila., Pa.

9238— Tabulating Machines

Computing Tabulating Recording Co., 50 Broad, New York
Gorin Shocklesspeed Tabulator Co. (attachable), Central bldg, Seattle, Wash.
Powers Accounting Machine Co., 50 Church, New York
Tabulating Machine Co. ("Hollerith"), 50 Broad, New York

9239— Tack Machinery

BLISS CO. E. W., 53d & 1st av, Brooklyn, N. Y.
See adv index at end of book
Kimball Bros. & Sprague, Brockton, Mass.
Miller's H. J. Sons, Bridgewater, Mass.
Mulford H. K. Co., 640 N Broad, Philadelphia, Pa.
Perkins Henry Co. ("Improved Perkins"), Bridgewater, Mass.
SLEEPER & HARTLEY, INC., (Double-Point), 335 Chandler, Worcester, Mass. *See adv index at end of book*

9240—Tack Pulling Machines

United Shoe Machinery Co. (For Shoes), 205 Lincoln, Boston, Mass.

9241-2-3—Tag Machinery

American Mach,. Co. ("Denney") Newark, Del.
Swift Geo. W., Jr., Bordenstown, N. J.

9244— Talking Machines

Aeolian Co., 29 W 42d, New York
American Phonograph Co., 322 E 23d, New York
Arion Mfg. Co., Boston, Mass.
Burnham Phonograph Corp., 1929 S Los Angeles, Los Angeles, Cal.
Brunswick Balke-Collender Co., 629 S Wabash av, Chicago, Ill.
Burrowes E. T. Co. ("Burrowes"), 68 Free, Portland, Me.
Columbia Grafonala Shop, 4 W 37th, New York
Coops & Sons Piano Co., 1180 S Fair Oaks av, Pasadena, Cal.
Decker Moulding & Mfg. Co., 800 Mound, St. Louis, Mo.
Eagle Talking Machine Co., 75 Fulton, New York
Edison Thomas A. ("Edison Phonographs"), Orange, N. J.
Emerson Phonograph Co., 309 6th av, New York
Ganby Phonograph Co. ("Ganby"), Newport News, Va.
General Phonograph Mfg. Co. ("Baby Toy" Phonographs & "Garford Model E," "Vanophone"), Elyria, O.
Klingsor Talking Machine Co., 415 Armour, Chicago, Ill.
Koehler & Hinrichs, St. Paul, Minn.
Lorimer Mfg. Co., Troy, O.
Maybro Co. ("Maybro"), 80H Exchange, Binghamton, N. Y.
Melodiola Mfg. Co., 463 O'Farrell, San Francisco, Cal.
Milwaukee Talking Machine Co., 241 E Water, Milwaukee, Wis.
Music Table Co., Greenfield, Ohio
Natural Voice Phonograph Co., Inc. ("Natural Voice"), Oneida, N. Y.
Novitas Sales Co. ("Novitas"), Waltham, Mass.
Passow & Sons, 2101 S Allport, Chicago, Ill.
Plaza Music Co. (Supertone), 10 W 20th, New York
Rishell Phonograph Co., Williamsport, Pa.
Schulz M. Co. ("Magnola"), 711 Milwaukee av, Chicago, Ill.
Sonora Phonograph Corp., 279 B'way, New York
Southern Cal. Hardwood & Mfg. Co. ("Sequoia"), 1430 S Alameda, Los Angeles, Cal.
Steger & Sons Piano Manfg. Co., 238 S Wabash av, Chicago, Ill.
Supertone Talking Machine Co.,18 W 20th, New York
Thomas Mfg. Co. ("Portophone"), Dayton, Ohio.
United Music Stores ("United"), 619H Cherry, Philadelphia, Pa.
United Phonographs Corp., Sheboygan, Wis.
Victor Talking Machine Co., Camden, N. J.
Vita-nola Talking Machine Co., 666 Lake Shore dr, Chicago, Ill.
Weser Bros., Inc., 524 W 43d, New York
Williams Piano & Organ Co., 1527 Fullerton, Chicago, Ill.
Wing & Co., 9th av & 13th, New York
Wondertone Phonograph Co. ("Wondertone"), 216 N Michigan, Chicago, Ill. Ill.

9245-6-7—Tamale Making Machinery

Sprague-Sells Corp., 508 N Dearborn, Chicago, Ill.

9248— Tannery Machinery

American Tool & Machine Co. (Belt Knife Splitting Machines), 10 High, Boston, Mass.
Associated Tanners Machinery Co., 424 Essex, Salem, Mass.
Aulson, J. W. & Sons, Waukegan, Ill.
Baker G. W. Machine Co., Wilmington, Del.
Caldwell W. E. Co., Louisville, Ky.
Carley Heater Co., Olean, N. Y.
Dennis John Machine Co., Lowell, Mass.
FABREEKA BELTING CO. (Belting for Tanneries), 120 High, Boston, Mass.
Hemingway Machine Co., Lynn, Mass.
Hide & Leather Working Machine Co. 4215 Meinecke av, Milwaukee, Wis.
Hutchinson Leather Machine Co., Winchester, Mass.
Hydraulic Press Mfg. Co. (Hydraulic, "H P M"), 24 Lincoln av, Mount Gilead, Ohio *See adv index at end of book*
Munkwitz Edw. H. Co., 159 Muskego av, Milwaukee, Wis.
Myers Machine Co., Sheboygan, Wis.
Myrick Machine Co., Olean, N. Y.
Phila. Coppersmithing Co., 808 N Front, Phila., Pa.
Ruhe Carleton Co., Olean, N. Y.
Shapley & Wells, Binghamton, N. Y.
Slocomb F. F. & Co., 14th & Poplar, Wilmington, Del.
Smith's Jno. E. Sons Co. (Steam Jacket Kettles, Stuffing Mixers, Rendering Tanks, etc), Buffalo, N. Y.
Stehling Chas. H. Co., 401 4th, Milwaukee, Wis.
Turner Tanning Machine Co. ("Turner"), Peabody, Mass.
Whitney Machine Co., Winchester, Mass.
Woburn Machine Co., Woburn, Mass.

9249—Tape Cutting Machines (Insulating)

Artos Engineering Co., 396 Milwaukee, Wis.
Cameron Machine Co. (Slitting & Roll Winding), 61 Poplar, Brooklyn, N. Y.

9250—Taper Rolling Machines

Coulter & McKenzie Mach. Co., 771 Water, Bridgeport, Conn.
Williams, White & Co. (for Tapering or Forging Shapes), 301 8th, Moline, Ill.

9251—Taper Threading Machines

Acme Machinery Co., 4533 St. Clair, av, Cleveland, O.
Landis Machine Co., Waynesboro, Pa.

9252—Taper Tube Spinning Machines

Langelier Mfg. Co., Arlington, Providence, R. I.

9253— Tapping Machines

See also Nut Tapping Machines; also Tapping Machines for Gas & Water Mains
Allen Machine Co., 1279 E 3d, Cleveland, Ohio
Anderson Die Machine Co. ("Anderson," Vertical-Spindle), 544 Iranistan av, Bridgeport, Conn.
Baker Bros. (For Pipe Flanges, Fittings, Tees, Crosses, etc), Toledo, O.
Barnes Drill Co., 814 Chestnut, Rockford, Ill.
Baush Machine Tool Co., Springfield, Mass.
Bicknell-Thomas Co. ("Bicknell-Thomas"), Greenfield, Mass.
Burke Machine Tool Co., Conneaut, O.
Cleveland Pneumatic Tool Co. (Pneumatic), 3734 E. 78th, Cleveland, Ohio
See adv index at end of book
Cleveland Specialty & Mfg. Co., Cleveland, Ohio
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Foote-Burt Co., 13000 St. Clair av, Cleveland, Ohio.
Fox Mach. Co. (Multiple Spindle), Jackson, Mich.
Garvin Machine Co. (Vertical, Horizontal & Automatic, etc), 147 Varick, New York
Gaterman Mfg. Co., Manitowoc, Wis.
Hammond Mfg. Co., 7808 Kinsman av, Cleveland, Ohio
Hartford Machine Screw Co., Hartford, Conn.
Hays Mfg. Co., Erie, Pa.
See adv index at end of book
Hub Machine Welding & Contracting Co. ("Acme," Hand), 450 N 12th, Phila., Pa.
Hubbell Harvey, Bridgeport, Conn.
Langelier Mfg. Co. (Semi-Automatic Multiple Spindle), H Arlington, Providence, R. I.
Manville E. J. Machine Co., Waterbury, Conn.
Mueller Co., Decatur, Ill.
Murchey Machine Tool Co., 951 Porter, Detroit, Mich.
National Automatic Tool Co. ("Natco"). Richmond, Ind.
Niles-Bement-Pond Co., 111 Broadway, New York *See adv index at end of book*
Peter Bros. Mfg. Co., Algonquin, Ill.
Quint A. D., 8 Clinton, Hartford, Conn.
Rickert-Shafer Co. (Horizontal & Vertical), Erie, Pa.
St. Louis Machine Tool Co. (For Small Parts), 922 Loughborough, St. Louis, Mo.
Smith A. P. Mfg. Co., E Orange, N. J.
United Engineering & Foundry Co. (For Tube Mills), Farmers Bk. bldg, Pittsburgh, Pa.

9254—Tapping Machines (Automatic)

Barnes Drill Co., 814 Chestnut, Rockford, Ill.
Elgin Tool Works, Elgin, Ill.
Fox Mach. Co., Jackson, Mich.
Williams, White & Co. (for Pipe Fitting), 301 8th, Moline, Ill.

9255—Tapping Machines (Bench)

AMES B. C. CO. ("Ames"), North Station, Waltham, Mass.
See adv index at end of book
Bicknell-Thomas Co. ("Bicknell-Thomas" Horizontal & Vertical), Greenfield, Mass.
Elgin Tool Works, Elgin, Ill.
Fenn Mfg. Co. ("Fenn"), 385 Broad, Hartford, Conn.
Partridge E. O., 2039 W Lake, Chicago, Ill.
See adv index at end of book
Procunier Wm. L. (Horizontal Safety), 18 S. Clinton, Chicago, Ill.
Rickert-Shafer Co., Erie, Pa.
Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.
Stewart S. A. & Co., Waltham, Mass.
Taylor-Shantz Co., 486 St. Paul, Rochester, N. Y.

9256—Tapping Machines (Dry Pipe)

Hays Mfg. Co., Erie, Pa.
See adv index at end of book
Mueller H. Mfg. Co., Decatur, Ill.
See adv index at end of book

9257—Tapping Machines (Gas & Water Main)

Hadesty J. M. & Son, Tamaqua, Pa.
Hays Mfg. Co. ("Original-Payne's"), Erie, Pa.
See adv index at end of book
Mueller H. Mfg. Co., Decatur, Ill.
See adv index at end of book
Pottstown Machine Co. (Automatic Vertical for Pipe Fittings), Pottstown, Pa.
Smith A. P. Mfg. Co. ("Smith"), East Orange, N. J.

9258—Tapping Machines (Horizontal)

Fox Mach. Co., Jackson, Mich.
Niles-Bement-Pond Co., 111 Broadway, New York *See adv index at end of book*
Rickert-Shafer Co., Erie, Pa.
Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.

9259—Tapping Machines (Multiple)

Barnes Drill Co., 814 Chestnut, Rockford, Ill.
Fox Mach. Co. (Multiple Spindle), Jackson, Mich.
Langelier Mfg. Co. (Multi Spindle), H Arlington, Providence, R. I.
Williams, White & Co. (For Pipe Fittings), Moline, Ill.

Tapping Machines (Nut)

See Nut Tapping Machines

9260—Tapping Machines (Pipe-Socket)

Taylor-Wilson Mfg. Co., McKees Rocks, Pa.

Tapping & Reaming Machines (Pneumatic)

See Pneumatic Hammers

9261—Tapping & Reaming Machines (Portable)

Stow Flexible Shaft Co., 26th & Callowhill, Philadelphia, Pa.
Stow Mfg. Co., Inc., Binghamton, N. Y.
See adv index at end of book

9262—Tapping & Threading Machines

Jencks H. F. Co. (For Operating Taps and Dies), Pawtucket, R. I.
Rickert-Shafer Co., Erie, Pa.

9263—Telephone Core Machines

Watson Machine Co., Paterson, N. J.

Tenoning Machines

See Wood Tenoning Machines

9263a—*Tension Testing Machines

Elmes Chas. F. Engineering Works, Cor. Fulton and Sangamon, Chicago, Ill.
See adv index at end of book

9264—Terra Cotta Machinery

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
ABBE ENGINEERING CO., 38 Church, New York. *See adv index at end of book*
Hadfield-Penfield Steel Co. (The), Bucyrus, Ohio. *See adv index at end of book*
Ivens Wm. H. Sons Co. (Rubbing Beds & Surface Grinders), P. O. Box 647, Trenton, N. J.

9265—Test Hole Drilling Machines

Keystone Driller Co., Beaver Falls, Pa.
See adv index at end of book
Loomis Machine Co. (For Foundations, Test Holes, Blast Holes, etc), Tiffin, O.

9266-9— Testing Machines

Buffalo Scale Co. (Testing up to 5,000 lbs.), 1205 Niagara, Buffalo, N. Y.
See adv index at end of book
Bultman F. H. Co. (The), 10271 Berea rd, Cleveland, Ohio
See adv index at end of book
CROSBY STEAM GAGE & VALVE CO. (Gauge, "Flint Pressure Scale" up to 25,000), 40 Central, Boston, Mass.
Emery A. H., Glenbrook, Conn.
Ford Meter Box Co., Wabash, Ind.
Gries Bros., 450 E 148th, New York
Hydraulic Press Mfg. Co. (Hydraulic), Mt. Gilead, Ohio
See adv index at end of book
Riehle Bros. Testing Machine Co., 1424 N 9th, Phila., Pa.
Sawveur & Boylston ("Charpy," "Impact," "Brinell" Hardness), Cambridge, Mass.
Scientific Materials Co. (Metal), 717H Forbes, Pittsburgh, Pa.
SHORE INSTRUMENT & MFG. CO., THE (For Testing Strength & Hardness of Materials), Jamaica, N. Y.
Smith A. P. Mfg. Co., East Orange, N. J.
Star Brass Mfg. Co. ("Star" Dead Weight Gauge), 53 Oliver, Boston, Mass.
Whiting Foundry Equipment Co., 157th & Halsted, Chicago, Ill.

9270—Testing Machines (Boiler)

Schutte & Koerting Co. ("Koerting"), 1251 N 12th, Phila., Pa.
See adv index at end of book

9271—Testing Machines (Brick)

Hadfield-Penfield Steel Co. The, Bucyrus, Ohio. *See adv index at end of book*
Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.
Strait H. N. Mfg. Co., Kansas City, Kansas

9272—Testing Machines (Can)

AMS MAX MACHINE CO. ("Ams"), 101 Park av, New York.
See adv index at end of book
Angelus Sanitary Can Mach. Co. ("Angelus"), Pacific blvd at 49th, Los Angeles, Cal.
Ayars Machine Co., Salem, N. J.
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y. *See adv index at end of book*
Lewis E. J., Middleport, N. Y.
McDonald Machine Co. (Automatic), 3207 Shields av, Chicago, Ill.
Slaysman & Co., 801 E Pratt, Baltimore, Md.
Sprague-Sells Corp., 508 N Dearborn, Chicago, Ill.
Stecher Chas. Co., 2301 Knox av, Chicago, Ill.
Stevenson & Co. ("Mann-Stevenson" Automatic), 607 S Caroline, Baltimore, Md.
Stoll D. H. Co., 30 Lansing, Buffalo, N. Y.
See adv index at end of book
Wold, Torris & Co. (Automatic), 240 N Ashland av, Chicago, Ill.

9273-4—Testing Machines (Car Wheel)

Whiting Foundry Equipment Co., 157th & Halsted, Chicago, Ill.

9275—Testing Machines (Cement)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 50G Church, New York *See adv index at end of book*
Bausch & Lomb Optical Co. (Instruments), Rochester, N. Y.
Clark & Mills Electric Co. (Also for Testing Stone & Road Materials), Cambridge, Mass.
Fairbanks Co., 416 Broome, New York
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Holz, Herman A., 16 Madison av, New York
International Instrument Co. (Also for Testing Stone & Road Materials), Cambridge, Mass.
Riehle Bros. Testing Machine Co., 1424 N 9th, Phila., Pa.

9276—Testing Machines (Chain)

Holz, Herman A., 16 Madison av, New York
Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.
Riehle Bros. Testing Machine Co., 1424 N 9th, Phila., Pa.

9277-8-9—Testing Machines (Concrete)

Holz, Herman A., 16 Madison av, New York
Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.

9280—Testing Machines (Hardness)

Gries Bros., 450 E 148th, New York
Hydraulic & Bench), 500 N 12th, Phila., Pa.
Holz, Herman A., 16 Madison av, New York
Pittsburgh Instrument & Machine Co. ("Brinnell"), 236 3d av, Pittsburgh, Pa.
SHORE INSTRUMENT & MFG. CO. (THE) (Scleroscope), Jamaica, N. Y.
WILSON-MAEULEN CO. ("Rockwell"), 383 Concord av, New York.

9281—Testing Machines (Hosiery Fabric)

Perkins B. F. & Son, Holyoke, Mass.

9282—Testing Machines (Hydraulic)

Holz, Herman A., 16 Madison av, New York
Hydraulic Press Mfg. Co., 24 Lincoln av, Mt. Gilead, Ohio.
See adv index at end of book
Knapp C. H. (For Cloth, Paper, etc), Paterson, N. J.
Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.
Riehle Bros. Testing Machine Co., 1424 N 9th, Phila., Pa.
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
Southwark Foundry & Machine Co., 1128 S 4th, Phila, Pa.
See adv index at end of book

9283—Testing Machines (Leather)

Holz, Herman A., 16 Madison av, New York
Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.

9283a—*Testing Machines (Metal)

Scientific Materials Co., 717H Forbes, Pittsburgh, Pa.
SHORE INSTRUMENT & MFG. CO. (THE) (Instruments for Testing Hardness), Jamaica, N. Y.

9284—Testing Machines (Oil)

Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.
Riehle Bros. Testing Machine Co., 1424 N 9th, Phila., Pa.

9285—Testing Machines (Paper)

See also Testers, Paper

Holz, Herman A., 16 Madison av, New York
Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.
Thwing Instrument Co., 3339 Lancaster av, Philadelphia, Pa.

9286—Testing Machines (Pipe)

Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.
Riehle Bros. Testing Machine Co., 1424 N 9th, Phila., Pa.
Southwark Foundry & Machine Co., 1128 S. 4th, Phila., Pa.
See adv index at end of book
Taylor-Wilson Mfg. Co. (Hydraulic), McKees Rocks, Pa.
United Engineering & Foundry Co. (For 2 to 12 Inch Pipe), Farmers Bk. bldg, Pittsburgh, Pa.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
WATSON-STILLMAN CO., 38 Church, New York *See adv index at end of book*

9287—Testing Machines (Power)

Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.

9288—Testing Machines (Rubber)

Hartford Special Machinery Co. (Dynamometers), Hartford, Conn.
Holz, Herman A., 16 Madison av, New York
Pusey & Jones Co. ("Plastometer"), Wilmington, Del.
Riehle Bros. Testing Machine Co., 1424 N 9th, Phila., Pa.
SHORE INSTRUMENT & MFG. CO. (THE), (Instrument for Testing Hardness & Elasticity), Jamaica, N. Y.

9289—Testing Machines (Sink & Float)

Penna. Crusher Co. ("Delamater"), Stephen Girard bldg, Phila., Pa.

9290—Testing Machines (Spring)

Evans' J. Sons, 506 N 13th, Phila., Pa.
Holz, Herman A., 16 Madison av, New York
Ryerson Jos. T. & Son, Inc. (Hydraulic), 2558 W. 16th, Chicago, Ill.
See adv index at end of book
Townsend Foundry & Machine Shop Co., B'way & Rensselaer, Albany, N. Y.
See adv index at end of book

9291—Testing Machines (Steel)

Bidle W. S. Co., 1411 E 45th, Cleveland, O.
Gries Bros., 450 E 148th, New York
Holz, Herman A., 16 Madison av, New York
Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.
Riehler Bros. Testing Machine Co., Phila., Pa.

9292—Testing Machines (Stone)

Clark & Mills Electric Co., Cambridge, Mass.
International Instrument Co., Cambridge, Mass.
Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.

Testing Machines (Textile)

See Testing Machines, Cloth; also Testing Machines, Yarn

9293-4—Testing Machine (Traction)

Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.

Testing Machines (Water Meter)

See Testers, Water Meter

9295—Testing Machines (Wire)

Holz, Herman A., 16 Madison av, New York
Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.
Riehle Bros. Testing Machine Co., 1424 N 9th, Phila., Pa.

Textile Machinery

See Specific Article Wanted

9296—Thermometer Dividing Machines

Geometric Tool Co. ("Geometric" Thread Chaser), Blake & Valley, New Haven, Conn.
Burr Co., Champaign, Ill.

9296a—Thread Board (Steel)

Houghton L. T., Worcester, Mass.

9296b—Thread Grinding Machinery

Am. Thread Grinding Machine Co., 151 E 126th, New York
Precision & Thread Grinder Mfg. Co., 21st & Market, Phila., Pa.

9297—Thread Rolling Machines

Acme Machinery Co. (Rotary), 4533 St. Clair av, Cleveland, O.
Ams Max Machine Co., 101 Park av, New York. ***See adv index at end of book***
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
BLISS CO., E. W. (Sheet Metal), 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Manville E. J. Mach. Co., Waterbury, Conn.
Waterbury Farrel Foundry & Machine Co. (Reciprocating), Waterbury, Conn.

9298—Threading Machines (Bicycle Spoke)

Goodell-Pratt Co., Greenfield, Mass.
Manville E. J. Machine Co., Waterbury, Conn.

9299-300—Threading Machines (Metal)

Ams Max Machine Co. ("Ams"), 101 Park av, New York.
See adv index at end of book
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Eastern Machine Screw Corp., Truman & Barclay, New Haven, Conn.
Geometric Tool Co. ("Geometric" Single Spindle, Double Spindle & Bench), Blake & Valley, New Haven, Conn.
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.

Threshing Machinery

See Threshers

9301—Thumbhole Cutting Machines

Chase Turbine Mfg. Co. ("Chase's" Automatic), Orange, Mass.
Hobbs Mfg. Co. (For Paper Box Makers), Worcester, Mass.
Knowlton M. D. & Co., 26 Elizabeth, Rochester, N. Y.

Ticket Cancelling Machines

See Cancelling Machines

9302—Tie Dowelling Machines

Greenlee Bros. & Co., Rockford, Ill.

9303—Tiering Machines (Portable)

Barrett-Cravens Co., 1328 W. Monroe, Chicago, Ill.
Burnett Mfg. Co., 719 E. 1st, Los Angeles, Cal.
Elwell-Parker Electric Co. (The), 4205 St. Clair av, Cleveland, Ohio
See adv index at end of book
Economy Engng Co., 2647 W Van Buren, Chicago, Ill.
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Heller P. A. & Sons, 213 State, Detroit, Mich.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
LEWIS-SHEPARD CO. ("Stackers"), 577 E 1st, Boston, Mass.
See adv index at end of book
Link-Belt Company, 300 W. Pershing rd, Chicago, Ill. *See adv index at end of book*
Minnich Machine Works, Landisville, Pa.
Revolvator Co. ("Revolvator," Hand Operated, Combination Motor Operated, Combination Hand or Motor), 395 Garfield av, Jersey City, N. J.
See adv index at end of book
STANDARD CONVEYOR CO. ("Handlift," Hand Operated, Vertical, & "Motorlift," Power Driven, Vertical), N. St. Paul, Minn. *See adv index at end of book*

9304—Tile Making Machines

See also Drain Tile Machinery

Anchor Concrete Machinery Co. ("Anchor" Concrete), 530 Dublin av, Columbus, Ohio
See adv index at end of book
Blystone Mfg. Co., Cambridge Springs, Pa.
Crossley Machine Co. (Floor & Wall Tile), State & Chestnut av, Trenton, N. J.
FATE-ROOT-HEATH CO. (THE), Plymouth, Ohio
See adv index at end of book
Foote J. B. Foundry Co., Fredericktown, Ohio
Hetherington & Berner (Encaustic Ceramic), Indianapolis, Ind.
Hydraulic Press Mfg. Co., 24 Lincoln av, Mt. Gilead, Ohio
See adv index at end of book
Mueller Machine Co., Trenton, N. J.
Patterson Fdry. & Mach. Co., E. Liverpool, O.

9305— Tile Sizing Machines

Lincoln Iron Works, Rutland, Vt.

Timber Dressing Machines

See Wood Surfacing Machines

9306—Timber Framing Machines

Denver Engineering Works Co. (Single End), Cooper bldg, Denver, Colo.

9307—Timber Gaining Machines

Fay J. A. & Egan Co., Cincinnati, O.
Greenlee Bros. Co., 12th, Rockford, Ill.

9308—Timber Preserving Machinery

Allis Chalmers Mfg. Co., Milwaukee, Wis. ***See adv index at end of book***

Timber Sizing Machines

See Planing & Matching Machines

9309— Tin Can Machinery

See Can Makers' Machinery; also Sheet Metal Workers' Machines & Tools
BLISS CO E. W., 53d & 1st av, Brooklyn, N. Y.
See adv index at end of book
Fulton Engine Wks., 1000 Alhambra, Los Angeles, Cal.
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.

9310— Tin Foil Machinery

Birmingham Iron Foundry, Derby, Conn.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.

9311—Tin Mounting Machines

U. S. Finishing & Mfg. Co., 216 N Clinton, Chicago, Ill.

9312—Tin Plate Lacquering & Varnishing Machines

Ohl Geo. A. & Co. (For Coating Tin, Iron, Metal, Cardboard, etc.), 159 Oraton, Newark, N. J.

9313—Tin Plate Mill Machinery

See also Rolling Mill Machinery, Etc.
AETNA FOUNDRY & MACHINE CO. (THE), Warren Ohio
Anderson Foundry & Machine Works, (Pickling & Tinning Machines, Branners, Dusters, etc.), Anderson, Ind.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
BLISS CO. E. W., 53d & 1st av, Brooklyn, N. Y.
See adv index at end of book
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Hyde Park Fdry. & Mach. Co., Hyde Park, Pa.
National Roll & Foundry Co., Avonmore, Pa.
Newbold R. S. & Son Co., Norristown, Pa.
Phila. Roll & Machine Co., 52nd & Grays av, Phila, Pa.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Swindell Wm. C. & Bro., Jenkins Arcade bldg, Pittsburgh, Pa.
United Engineering & Foundry Co. Farmers Bk. bldg, Pittsburgh, Pa.
Wheeling Mold & Fdry. Co., Wheeling, W. Va.

9314—Tinners' Grooving Machines

Merchant & Evans Co., Washington av & 21st, Phila., Pa.
Peck, Stow & Wilcox Co., Southington, Conn.

9315—Tinners' Tools & Machinery

See Classification 15614c, also Sheet Metal Workers' Machines & Tools

DREIS & KRUMP MFG. CO., 7420 Loomis, Chicago, Ill.
See adv index at end of book

9316—*Tinware Making Machinery (Pieced & Seamless)

Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.

9317—Tipping Machines (Corset & Shoe Lace)

Franklin Machine Co. ("Franklin" Power), Providence, R. I.
See adv index at end of book
Luther C. A. & Co. ("Dawson"), Pawtucket, R. I.
Norden S. & Co., 150 S Water, Providence, R. I.
Union Metal Goods Co. (Shoe Lace), Pawtucket, R. I.

9318-9—Tire Applying Machines

Hydraulic Press Mfg. Co. (Hydraulic, "H P. M"), 24 Lincoln av, Mount Gilead, Ohio. *See adv index at end of book*
Lourie Hydraulic Press Co. (Presses), Springfield, Ill.
See adv index at end of book
Nelson & Le Moon, 849 N Kedzie av, Chicago, Ill.

9320-1— Tire Rolling Machines

Williams, White & Co., Moline, Ill.

Tire Setting Machines

See Setters, Tire

9322—Tire Welding Machines

Kane & Rosch, Syracuse, N. Y.
FEDERAL MACHINE & WELDER CO. (THE), Dana av, Warren, Ohio
See adv index at end of book
Long & Allstatter Co., Hamilton, O.
See adv index at end of book
MacLeod Co., 2227 Bogen. Cincinnati, O.
See adv index at end of book
Williams, White & Co., 301 8th, Moline, Ill.

9323—Tissue Paper Machines

Beloit Iron Works ("Yankee," Cylinder), Beloit, Wis.

9324—Tobacco Box (Tin) Machinery

BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book

9325—Tobacco Cleaning & Separating Machines

Cardwell Mach. Co. (Stem), 1900 E Cary, Richmond, Va.

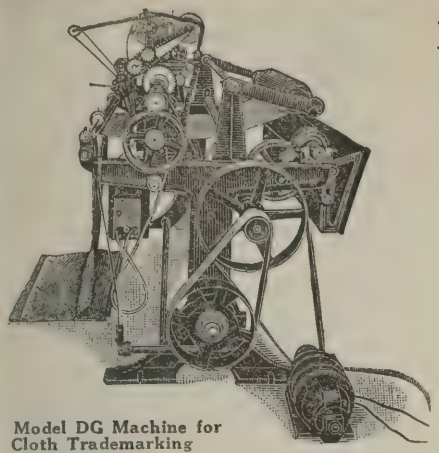
9326—Tobacco Cutting Machines

See also Cutters, Tobacco

Abbe Engineering Co., 33 Church, New York. ***See adv index at end of book***
Adt John B. Co. ("Adt"), 340 N. Holliday, Baltimore, Md.
Buckeye Iron & Brass Works ("Pease"), Dayton, O.
Cardwell Machine Co. (Power), 1900 E Cary, Richmond, Va.
Comas Machine Co., Salem, Va.
Himoff Machine Co., Mills, Astoria, L. I., N. Y.
Ludington Cigarette Mach. Co., Waterbury, Conn.

9327—Tobacco Farming Machinery

Belcher & Taylor Agricultural Tool Co. Ridgers), Chicopee Falls, Mass.
Nagley Mfg. Co. (Spears), Lyons, N. Y.

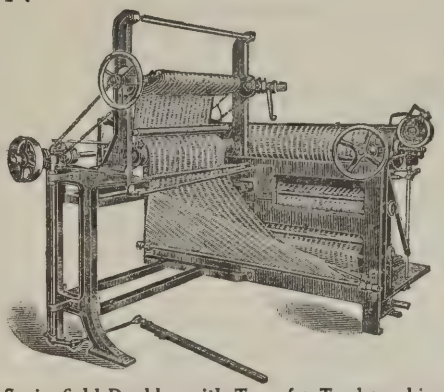


Model DG Machine for Cloth Trademarking

PARKS & WOOLSON MACHINE CO

SPRINGFIELD VERMONT

CLOTH TRADEMARKING
THREE METHODS
KAUMAGRAPH
TRANSFER
BAIRD STENCIL
INK PRINTING



Springfield Doubler with Transfer Trademarking

9328—Tobacco Granulating Machines

Adt Jno. B. Co., 340 N Holliday, Baltimore, Md.
Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Comas Machine Co., Salem, Va.

9329—Tobacco Hoeing Machines

Allen S. L. & Co., 5th & Glenwood, Phila., Pa.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Madison Plow Co., Madison, Wis.

9330—Tobacco Hogshead Machines

Gilmour Hogshead Mach. Co., Owensboro, Ky.

9331—Tobacco Knife Grinding Machines

Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Diamond Machine Co. ("Diamond"), Providence, R. I.

9332— Tobacco Machinery

Abbe Engineering Co. (Pulverizers), 38 Church, New York.
See adv index at end of book
American Machine & Foundry Co. (Packing & Weighing, Scrap Packer & Weigher, Plug Wrapping & Banding), 2d & 56th, Brooklyn, N. Y.
Automatic Packing & Labeling Co., 2d & 56th, Brooklyn, N. Y.
Buckeye Iron & Brass Works, 322 E. 3rd, Dayton, Ohio
See adv index at end of book
Cardwell Machine Co. (Granulators, Pickers, Dryers, Cutters, Shapes or Moulds & Casing Machines), 1900 E Cary, Richmond, Va.
Grote F. Mfg. Co. (Hydraulic) & Electric Presses), 120 3d av, Evansville, Ind.
International Cigar Machinery Co., 2d & 56th, Brooklyn, N. Y.
Ludington Cigarette Mach. Co., Waterbury, Conn.
McGowan John H. Co., 62d & Central av, Cincinnati, O.
Miller, Du Brul & Peters Mfg. Co., Norwood, Cincinnati, Ohio
Proctor & Schwartz, Inc. ("Proctor" Automatic Dryers, Coolers, Orders & Softeners, etc), 7th & Tabor rd, Phila., Pa.
Ripley Foundry & Machine Co. ("Parker," Portable Presses, Steamers, Stationary, etc), Ripley, O.
Standard Tobacco Stemmer Co., 2d av & 56th, Brooklyn, N. Y.
Titus E. E., Petersburg, Va.
Westbrook Elevator Mfg. Co., Danville, Va.

9333—Tobacco Scrap Cutting Machines

Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Miller, Du Brul & Peters Mfg. Co. ("Dubrul," "Picadura"), Norwood, Cincinnati, Ohio

9334—Tobacco Stem Flattening Machines

Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Comas Machine Co., Salem, Va.
Himoff Machine Co., 50 Church, New York

9335—Tobacco Stemming Machines

American Machine & Foundry Co. ("Standard"), 2d & 56th, Brooklyn, N. Y.

9335a—Tobacco Wringing Machines

Amer. Wringer Co., 91 Social, Woonsocket, R. I.
Cardwell Machine Co., 1900 E Cary, Richmond, Va.

9336—Toilet Paper Machines

Dietz Machine Works (Sitting, Perforating, Rewinding), 126 Fontaine, Phila.,
Kidder Press Co. (Slitting, Perforating & Rewinding), Dover, N. H.

9337— Toilet Pin Machinery

Baird Machine Co. (Automatic), Stratford av, Bridgeport, Conn.

9338—Toilet Soap Machinery

Premier Machy. Co., 310 Sansome, San Francisco, Cal.

Tomato Can Filling Machines

See Can Filling Machines

9339—*Tomato Canners' Machinery

Bucyrus Copper Kettle Works Co. (The), Bucyrus, Ohio
See adv index at end of book
LINK-BELT COMPANY, 800 W. Pershing rd, Chicago, Ill.
See adv index at end of book
Premier Machinery Co., 310 Sansome, San Francisco, Cal.
See adv index at end of book

9340—Tomato Crushing, Pulping & Finishing Machines

Langsenkamp F. H., 130 E. Georgia, Indianapolis, Ind.
Premier Machinery Co., 310 Sansome, San Francisco, Cal.
See adv index at end of book
U. S. Bottlers' Machinery Co. ("U. S."), 2511 Park av, Chicago Ill.

9341—Tomato Transplanting Machines

Case J. I. Plow Works, Racine, Wis.
Eureka Mower Co. (Dealers), 1005H Hickory, Utica, N. Y.
Sprague-Sells Corp., 508 N. Dearborn, Chicago, Ill.

9342—Tooth Pick Machinery

Olney Geo. H. & Co., Inc., 50 Church, New York.

9343—Tow Mill Machinery

New Winona Mfg. Co. ("Diamond"), Winona, Minn.

9344—Trace Trimming Machines

Campbell-Bosworth Machine Co. ("Boston" Automatic), 205 Lincoln, Boston, Mass.

9345—Trademarking Machinery (Cloth)

PARKS & WOOLSON MACHINE CO., Springfield, Vt.
See adv index at end of book

9346-7—Transfer Issuing Machines

Ohmer Fare Register Co., Dayton, O.

Trench Machines

See Sewer & Trench Excavating Machines

9348— Trunk Machinery

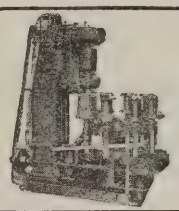
Defiance Machine Works (Slat Planers, etc.), Defiance, O.
Hydraulic Press Mfg. Co., 24 Lincoln av, Mt. Gilead, Ohio
See adv index at end of book
Titus E. E., Petersburg, Va.

9349—Trunk Slat Staining & Varnishing Machines

Ohl Geo. A. & Co., 159 Oraton, Newark, N. J.

9350—Tub & Pail Machinery

Ams Max Machine Co., 101 Park av, New York. *See adv index at end of book*



AMS
Automatic Tub and Pail Machinery
Write for Catalog
THE MAX AMS MACHINE CO.
101 Park Ave., New York, N. Y.

BLISS CO., E. W. (Sheet Metal), 53rd & st av, Brooklyn, N. Y.
See adv index at end of book
Gerlach Peter Co. (Wood also for Churn, Ice Cream Freezer, Fish Kit, etc), 1712 Winter, Cleveland, O.
Goodspeed Machine Co., Winchendon, Mass.
Leffler Chas. & Co. (Sheet Metal), 59 Clymer, Brooklyn, N. Y.

9351-2-3—Tubbing Machines

Smith Richardson Co., (Or Polishing Tank), Attleboro, Mass.

9354-5—Tube Filling Machines

TREADWELL ENGINEERING CO., Easton, Pa.
See adv index at end of book
Kane & Roach, Syracuse, N. Y.
Ross Chas. & Son Co. (For Paste, Oil & Cosmetics), 148 Classon av, Brooklyn, N. Y.
Stokes F. J. Machine Co., 6138 Tabor, Phila., Pa.
U. S. Electric Mfg. Co., 300 S Central av, Los Angeles, Cal.

Tube Mill Machinery

See Pipe & Tube Mill Machinery

9356—Tube Reducing Machines

Standard Machinery Co., Providence, R. I.

9357—Tube Rolling & Cutting Machines (Paper)

Knowlton M. D. Co. (Also Cardboard), 26 Elizabeth, Rochester, N. Y.
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.

9358—Tube Tapering Machines

TORRINGTON CO. (THE), Excelsior Plant ("Dayton"), Torrington, Conn.
See adv index at end of book

9358a—Tube Threading Machines (Mill Type)

TREADWELL ENGINEERING CO., Easton, Pa.
See adv index at end of book

9358b—*Tubing (Flexible Metallic)

SLEEPER & HARTLEY, INC., 335 Chandler, Worcester, Mass.
See adv index at end of book

9359— Tufting Machines

Backstay Machine & Leather Co., Union City, Ind.
Buser-Poston Tufting Mach. Co., Chillicothe, O.
Tufting Machine Supply Co., 635 Mt. Elliott, Detroit, Mich.

9360—Tumbler Grinding Machines

Henderson Bros. Co. (Grinding & Polishing Machines), 133 S Leonard, Waterbury, Conn.
Sigwaart & Rolston, 341 2d av, Pittsburgh, Pa.

9361—Tungsten Lamp Wire Machinery

Langelier Mfg. Co., Arlington, Providence, R. I.
SLEEPER & HARTLEY, INC. (Filament Coiling), 335 Chandler, Worcester, Mass. *See adv index at end of book*

9362-3—Turpentine Machinery

Joubert & Goslin Mach. & Foundry Co., Birmingham, Ala.

Twine Making Machinery

See Cordage Machinery

9364—Type Casting Machines

Intertype Co., 50 Court, B'klyn, N. Y.
Lanston Monotype Machine Co., 24th & Locust, Phila., Pa.
Thompson Type Machine, 233 W Erie, Chicago, Ill.

9365—Type Setting & Type Distributing Machines

CURLE MANUFACTURING CO., INC. (Rebuilt Machine Parts & Accessories Mfrs.), 429 Sacramento, San Francisco, Cal.
Brown R. H. & Co., 198H Brown, West Haven, Conn.
Intertype Corp. (Type Setting), 50 Court, Brooklyn, N. Y.
Lanston Monotype Mach. Co. (Composing), 24th & Locust, Phila. Pa.
Linograph Co. (Type Setting), Davenport, Ia.
Mergenthaler Linotype Co., 154 Nassau, New York
Superior Type Co., 3940 Ravenswood av, Chicago, Ill.
Unitype Co., 30 Monitor, Jersey City, N. J.

9366—Upsetting & Forging Machines

See also Upsetters, Tire

Acme Machinery Co., 4533 St. Clair av, Cleveland, O
Ajax Mfg. Co. (Axle), 3830 Lakeside av, Cleveland, O.
Bethlehem Steel Co. (Steam Hydraulic), South Bethlehem, Pa.
National Machinery Co., Tiffin, O.
Pawtucket Mfg. Co., Pawtucket, R. I.
Williams, White & Co. ("Moline"), 301 8th, Moline, Ill.

9367— Used Machinery

See also Machinery, Second-Hand
INDUSTRIAL PLANTS CORP., 25 Church, New York
See adv index at end of book

9368—Valve Inserting Machines

Smith A. P. Mfg. Co. ("Sherred-French"), East Orange, N. J.

9369—Valve Re-seating Machines

Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Foote-Burt Co., 13000 St. Clair av, Cleveland, Ohio.
Leavitt Mach. Co. ("Dexter"), Orange, Mass.
Long Adam A. Machine Works ("Sterling"), Rochester, N. Y.
Skinner M. B. S. Co. ("Skinner"), 562 W Washington, Chicago, Ill.

9370—Valve Seat-Milling Machines

Rooksby E. J. & Co. (Portable), 1055 Hamilton, Phila., Pa.
Underwood H. B. Corp., 1025 Hamilton, Phila., Pa.

9371—Valve Seat Planing Machines

Rooksby E. J & Co. (Rotary Portable), 1055 Hamilton, Phila., Pa.
Stow Flexible Shaft Co., 26th & Callowhill, Philadelphia, Pa.

9372—Valve Tapping, Reaming & Seating Machines

Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Pottstown Machine Co. (Automatic), Pottstown, Pa.

9373—Valve Wheel Machinery

Bradley H. C. (For Wood Wheels), Bridgeport, Conn.

Vanning Machines

See Vanners, Frue

9374—Variety Moulding Machines

American Woodworking Machy. Co., Rochester, N. Y.
Carey W. W. Co., Lowell, Mass.
Pryibil P. Machine Co., 520 W 41st, New York
Yates P. B. Machine Co., Beloit, Wis.

9375—Variety Sawing Machines

American Woodworking Machinery Co., Rochester, N. Y.
Cordesman-Rechtin Co., 215 Butler, Cincinnati, Ohio
Hall & Brown Woodworking Machine Co., 1911 N B'way, St. Louis, Mo.
Root B. M. Co., York, Pa.
Yates P. B. Machine Co., Beloit, Wis.

9376—Variety Wood Turning Machines

See Also Lathes, Variety Turning
American Woodworking Machinery Co., Rochester, N. Y.
Mattison C. Machine Works ("Universal"), Rockford, Ill.
Yates P. B. Machine Co., Beloit, Wis.

9377—*Varnish Can Machinery

Ams Max Machine Co., 101 Park av, New York. *See adv index at end of book*
BLISS E. W. CO., 53d & 1st av, Brooklyn, N. Y.
See adv index at end of book

9378—Varnish Makers' Machinery

Kent Machine Works, 39 Gold, Brooklyn, N. Y.

9379-80—Varnishing Machines

Knowlton M. D. & Co., 26 Elizabeth, Rochester, N. Y.

9381—Vegetable Cutting Machines

Smith's Jno. E. Sons Co., Buffalo, N. Y.

9382— Vending Machines

Advance Machine Co., 4645 Ravenswood av, Chicago, Ill.
Automatic Target Machine Co. (Rifle & Pistol), 203 Fulton, New York
Automatic Ticket Register Corp. (Tickets), 81 Prospect, Brooklyn, N. Y.
Autosales Corp., 13th & Van Alst av, New York
Beaton & Caldwell Mfg. Co. (Match), New Britain, Conn.
Brewer Chas. A. & Sons Co., 6320 Harvard av, Chicago, Ill.
Caille Bros. Co. (Coin Operating), 2d & Amsterdam avs, Detroit, Mich.
Centadrink Filters Co., 1440 B'way, New York
Coin Controlling Lock Co. (Coin Operating), Traction bldg., Indianapolis, Ind.
Cupples Samuel, Woodenware Co. (Pencils, Gum, Matches, etc.), 7th & Spruce, St. Louis, Mo.
First Aid Equipment & Supply Co. (for Sanitary Napkins), 1446 W Slauson av, Los Angeles, Cal.
See adv index at end of book
Gent Wm. Vending Mach. Co. (Gum, Perfume, etc.), 846 E 93d, Cleveland, O.
Griswold Mfg. Co. (Nut, Match, Gum, etc.), Rock Island, Ill.
Hence J. W. Foundry Co. (Ball Gum, Breath Perfume, etc), Westerville, O.
INDIVIDUAL DRINKING CUP CO. INC. (for "Dixie" Drinking Cups, Ladies' Sanitary Napkins), Easton, Pa.
Individual Service Co. (Sanitary Napkins), Easton, Pa.
Jeffries Automatic Service Co. (Sandwich & Pie), Vernon av & Wall, Los Angeles, Cal.
Joy Chas. H., 457 N Racine, Chicago, Ill.
Kittle Mfg. Co. (for Ball Gum), 643 Santa Fe av, Los Angeles, Cal.
Lorentzen H. K. (Any Coin, Any Article, Models & Experimental Work), 60 Grand, New York
Midland Supply Co. ("Duplex" Postage Stamp), Davenport, Iowa
Mills Novelty Co. (Candy, Cigar, Cigarette, Gum, Peanut, Package, etc, Coin Operating), 221 S Green, Chicago, Ill.
National Novelty Co. ("O. D.," "N. O. D.," "National" Coin Operating Slot Machines, Scales, etc.), 519 S 3rd, Minneapolis, Ind.
Pick Albert & Co., 212 W. Randolph, Chicago, Ill.
Puritan Machine Co. (Ltd.), Lafayette & 10th, Detroit, Mich.
Richmond Metal Products Co. Inc. (Automatic, for Soda Water), 5th & Arch Richmond, Va.
Watling Mfg. Co. (Coin Operating), 1029 W Adams, Chicago, Ill.

9383—Veneer Cutting Machines

American-Blakeslee Mfg. Co. ("Blakeslee"), Birmingham, Ala.
Coe Mfg. Co. (Rotary, Slicing & Sawing), Painesville, O.
Hubbard's Norman Sons ("Rochow"), 603 Dean, Brooklyn, N. Y.
Merritt Mfg. Co. (Rotary Veneer Lathe & Automatic Veneer Clipper), Lockport, N. Y.
St. Joseph Iron Works (Lathes), St. Joseph, Mich.
Titus Elmer E., Petersburg, Va.
Trevor Mfg. Co. (For Crate Slates, etc), Lockport, N. Y.
U. S. Machinery Co., 136 Liberty, New York

9384—Veneer Drying Machines

BAYLEY MFG. CO., 766 Greenbush, Milwaukee, Wis.
See adv index at end of book
Duplex Moulding Sander Co. ("Duplex"), Hornell, N. Y.
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Merritt Mfg. Co. ("Merritt"), Lockport, N. Y.
PROCTOR & SCHWARTZ, INC., 7th & Tabor road, Philadelphia, Pa.
U. S. Machinery Co., 136 Liberty, New York.

9384a—Veneer Taping Machines

BLACK BROS. CO. (THE) INC., Mendota, Ill.
See adv index at end of book

9385— Vermicelli Machinery

See also Macaroni Machy.
CAVAGNARO JOHN J., Harrison, N. J.
City Machine Co., 5321 St. Clair, Cleveland, O.
Coast Supply Co., 590 Howard, San Francisco, Cal.
Cooper Mfg. Co., 1286 Folsom, San Francisco, Cal.
Rebizzo M. & Co., 414 Broadway, San Francisco, Cal.

9386— Vinegar Machinery

Beman Automatic Oil Can Co. (Self Measuring Cabinet), Meadville, Pa.
Hydraulic Press Mfg. Co. ("Mount Gilead"), 24 Lincoln av, Mt. Gilead, Ohio
See adv index at end of book
Kaestner & Hecht Co., 500 Throop, Chicago, Ill.
Krenz Oscar Copper & Brass Wks. (Stills Only), 612H Bryant, San Francisco, Cal.

9387— Voting Machines

Automatic Registering Machine Corp., Jamestown, N. Y.
Universal Indicator Co., 210 Sycamore, Milwaukee, Wis.

Wagon Builders' Machinery

See Carriage Builders' Machinery

9388—Wall Paper Machinery

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Waldron Jno. Co., New Brunswick, N. J.

9389-90—Wall Paper Numbering & Lettering Machines

Allen A. & Co., 2001 Carpenter, Phila., Pa.

9391—Washer Cutting Machines

Cleveland Punch & Shear Works Co., 3917 St. Clair av N E, Cleveland, O.
See adv index at end of book
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
National Machinery Co., Tiffin, O.
Pawtucket Mfg. Co., Pawtucket, R. I.
SOUTHWARK FOUNDRY & MACHINE CO., (Metal), 1128 S 4th, Phila., Pa.
See adv index at end of book

9391a—Washing Machines (Clothes)

Adams Laundry Machinery Co., Troy, N. Y.
Airway Electric Appliance Corp. ("Airway," Electric), 618 Broadway, Toledo, Ohio
Albaugh-Dover Co. ("Butterfly"), 2100H Marshall blvd, Chicago, Ill.
Almetal Mfg. Co. ("Almetal" Combination Washer, Heater & Stove), 7227 Manchester av, St. Louis, Mo.
Altorfer Bros. Co. ("Roanoke" Power Washer & Wringer), Peoria, Ill.
AMERICAN GAS MACHINE CO., INC. ("Rightway"), 78 Reade, New York
American Ironing Machine Co. ("Simplex"), 166 N Michigan, Chicago, Ill.
American Laundry Machy. Co. ("Acme," "Globe," "Cascade," "Ideal Style A"), Norwood, Cincinnati, Ohio
Amer. Wringer Co., 91 Social, Woonsocket, R. I.
Apex Appliance Co., 3223 W 30th, Chicago, Ill.
Apex Electrical Mfg. Co. ("Rotarex," Electric), 1067 E 152nd, Cleveland, Ohio
Arnold Electric Co. (Electric), Racine, Wis.
Associated Mfrs. Co. ("Amanco," Power), Waterloo, Ia.
At Last Washer Co. ("At Last"), Perry, Ia.
Automatic Electric Washer Co. ("Automatic," Electric), Newton, Ia.
Banderob-Chase Co., Oshkosh, Wis.
Barlow & Seelig Mfg. Co., Ripon, Wis.
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Barnes Mfg. Co., Susquehanna, Pa.
Baughman N. C. ("New Miller"), York, Pa.
Binghamton Washing Machine Co., Binghamton, N. Y.
Blackstone Mfg. Co. ("Blackstone." Electric & Gasoline; "Magic," "Improved Capital" & "Dauntless," Water; "Quality," "Eclipse Vacuum," "Regal"), 56 Blackstone, Jamestown, N. Y.
Bluffton Mfg. Co., Bluffton, O.
Boss Washing Machine Co. ("Banner" Rotary, "Aerowing," "Boss," "Automatic," "Cincy," "Uneeda," "Champion," "Perfection," "Veribest"), Harris & Pine, Cincinnati, Ohio
Brammer H. F. Mfg. Co. ("O. K. Rotary," "B. B.," "Brammer," "Great Western," "O. J. C.," " O. K. Electric," "Original Brammer," "Peacemaker," "Snow E. White," "Klipper," "Knoxall," "Flyer," "Speedy," "Royal Stone"), Davenport, Ia.
Brown M. Co. ("United States"), Wapakoneta, O.
Buckeye Churn Co. ("Prima" Electric), Sidney, O.
Burlingame Mfg. Co., Syracuse, N. Y.
Cahm-Forster Elec. Co. ("A. B. C."), 209 15th, Denver, Colo.
Camp Bros. & Co., Washington, Ill.
Capital Electric Co., 619 Milwaukee av, Chicago, Ill.
Chicago Dryer Co. ("Chicago," Electric), 2210 N. Crawford av, Chicago, Ill.
Christman A. G. Co., Reading, Pa.
Clarinder Lawn Mower Co., Clarinda, Ia.
Clark-Cadle-Harmon Corp. ("Harmony," Domestic), 1139 University av, Rochester, N. Y.
Coffield Motor Washer Co. ("Coffield," Electric, "U. M."), Dayton, O.
Complete Mfg. Co. Kenosha, Wis.
Constantine Casket Co., Constantine, Mich.
Crystal Washing Machine Co. (Electric), 1113 Gratiot, Detroit, Mich.
Davis Sewing Machine Co. ("Blue Bird" Electric), Dept. H Dayton, Ohio
Dexter Co. ("Dexter," Power & Electric), Fairfield, Ia.
Domestic Laundry Equipment Corp. ("Domestic"), 224 W 26th, New York
Dumond Mfg. Co. (Vacuum), Cedar Falls, Ia.
Easiest Way Mfg. Co. ("Easiest Way"), Sandusky, O.
Edwards Mfg. Co., Honey Creek, Ind.
Erie Metal Products Co. ("Pexcolo" Vacuum Washer), Erie, Pa.
Fairbanks, Morse & Co. ("Fairday"), 900 S Wabash av, Chicago, Ill.
FEDERAL ELECTRIC COMPANY, 8702 S State, Chicago, Ill.
See adv index at end of book
Fletcher Mfg. Co. (Motor), Newport, Ky.
Foote-Burt Co. ("Aerobell" electric), 13000 St. Clair av, Cleveland, Ohio
G. & D. Mfg. Co., Streator, Ill.
Galloway Wm. Co., Waterloo, Ia.
Geier P. A. Co. ("Royal" Electric), Cleveland, O.
Getz Power Washer Co. (Combination Washer & Wringer), Morton, Ill.
Geyser Elec. Co. ("Geyser"), 5008 Bloomingdale av, Chicago, Ill.
Gillespie Eden Corp. ("Eden" electric), 5 Dey, New York
Glascock Bros. Mfg. Co. ("Handy," "New Era"), Muncie, Ind.
Globe Mfg. Co. ("Quicker Yet"), Perry, Ia.
Grinnell Washing Machine Co. ("Gem" Power), Grinnell, Ia.
Haag Bros. Co. ("Haag"), Peoria, Ill.
Haag A. W. & Co., Reading, Pa.
Hamilton Caster & Mfg. Co. (Motor), Hamilton, O.
Hart Wallace B. ("Arora," "Hart" Electric), 8 E 34th, New York
Harvey W. W. & Son, Constantine, Mich.
Horton Mfg. Co. ("Horton," "Horton Miracle," "Peerless"), Ft. Wayne, Ind.
Howe Co. ("Excello" Water Power), Wheeling, W. Va.
Huenergardt Mfg. Co. ("Monitor" Hand, Belt & Electric Power), Linccoln, Neb.
Hunt Rodney Machine Co., Orange, Mass.
Hurley Machine Co. ("Thor" Electric Washer & Wringer), Cicero, Ill.
Irwin Mfg. Co. (Springless Motor), Front & Pike, Cincinnati, O.
Jackson Gas Engine Co. ("Jackson" Power), Jackson, Mich.
Johnson Washer Co. ("Johnson" & "Common Sense"), 40th & Adeline, Oakland, Cal.
Judd Laundry Machine Co., 122 S Michigan av, Chicago, Ill.
Knoll Janas L. Mfg. Co. ("Knoll" Double Action), Lebanon, Pa.
Knoll Mfg. Co. ("Queen" Family), 124 Maple, Reading, Pa.
Landers Frary & Clark ("Universal" electric), New Britain, Conn.
Laundryette Mfg. Co. ("Laun-dry-ette"), East 152nd, Cleveland, Ohio
Little Giant Washing Machine Co. ("Little Giant" electric), 126 N Union av, Chicago, Ill.
Litchfield Mfg. Co. (Farmers' Laundry), Waterloo, Ia.
Lombard-White Co., Harlow ("Lombard"), H, Harlow, Worcester, Mass.
Luthy & Co. (" A. B. C." Electric), Peoria, Ill.
Maytag Co. ("Pastime," "Maytag"), Newton, Ia.
Meadows Mfg. Co. ("Meadows," Power; "Greyhound," "Meadow Lark," Electric), Bloomington, Ill.
Metal Products Corp. (Steam), 49 Chestnut, Weehawken, N. J.
Michigan Washing Machine Co. (Turbine "Guarantee," "Peerless"), Muskegon, Mich.
Miller Mfg. Co., Meyersdale, Pa.
Minimax Utilities Assn., 2430 San Pablo av, Oakland, Cal.
Modern Laundry Machine Co. (Electric), 1907 Central, Kansas City, Mo.
Morris Mfg. Co. ("One Minute"), El Reno, Okla.
National Motor Co., Springfield, O.
National Sewing Machine Co. ("Happy Day," High Speed), Belvidere, Ill.
New Favorite Mfg. Co. ("Winner"), 183 W Maple, Columbus, Ohio
New Liberty Washing Machine Co.("New Liberty," "Women's Friend" Electric, Hand & Engine Power), St. Paul, Minn.

NILES STEEL PRODUCTS CO.
490 Walnut Street
NILES, OHIO
Drain Boards, Cabinet Frames, Gear Case Covers

Nineteen Hundred Washer Co. ("1900" & "1900 Cataract," Hand & Electric), Binghamton, N. Y.
OIL & WASTE SAVING MACHINE CO. (Oily Waste, Rags, Towels), Real Estate Trust bldg, Phila., Pa.
See adv index at end of book
One Minute Mfg. Co. ("One Minute"), Newton, Iowa
One Minute Washer Co. ("Sandusky"), Sandusky, O.
Percolator Geyser Washing Machine Co., 1732 Folsom, San Francisco, Cal.
Pioneer Brush Washing Machine Co. ("Brush"), New Kensington, Pa.
Pittsburgh Gauge & Supply Co. ("Gainaday" Electric Washer Wringer), 30th & Liberty av, Pittsburgh, Pa.
Pittsfield Machine Tool Co. ("Berkshire" Electric), Pittsfield, Mass.
Press Wells H. Co., Streator, Ill.
Princess Wash Machine Mfg. Co. ("Princess" Water Power), 433 E Pearl, Cincinnati, O.
Puffer-Hubbard Mfg. Co., 32d av, S & 26th, Minneapolis, Minn.
Reading Wood Pulley Co. ("Prince"), Reading, Pa.
Richmond Cedar Wks. ("Matchless," "Majestic," "F F U," "R C W," "Typhon," "Lightning," "Rapid," "Richmond" electric driven, water motor, rotary, high-speed & hand), Fulton, Richmond, Va.
Rochester Rotary Washer Co. ("Rochester," Rotary, Equipped with Wringer), Rochester, N. Y.
Rochester Washing Machine Corp. (Electric), Rochester, N. Y.
Ross C. E. ("World," "Star," "Lincoln"), Lincoln, Ill.
Rue Mfg. Co., Amboy, Minn.
St. Louis Washington Machine Co., St. Louis, Mo.
Sandusky Washer Co. (Electric), Sandusky, Ohio
Savage Arms Co., 50 Church, New York
Schneider Peter F. (Electric & Power), 210 Gil River, Detroit, Mich.
Schroeder S. E. Mfg. Co., Minier, Ill.
Sieverkropp Engine Co., Racine, Wis.
Standard Churn Co., Wapakoneta, Ohio
Station-Airy Co. ("Station-Airy," Built-In Electric), 10930 W Madison, Cleveland, Ohio
Steiner Mfg. Co. ("Steiner," Motor Driven) 4100 N 21st, St. Louis, Mo.
Speck Mfg. & Gear Co., 3130H Folsom, San Francisco, Cal.
Sunny Line Appliances, Inc. ("Sunnysuds" Electric), 4053 Beaufort, Detroit, Mich.
Superior Machine Co., Sterling, Ill.
Swash Motor Washer Co., Buttles & Mich. av, Columbus, O.
Syracuse Washing Machine Corp. ("Easy" electric), Syracuse, N. Y.
Terriff Perfect Washer Co., Portland, Mich.
Thistle Mfg. Co., 2100 Major, Chicago, Ill.
Tolhurst Machine Works, Troy, N. Y.
Troy Laundry Machinery Co. (Ltd.), 824 S Michigan blvd, Chicago, Ill.
United Engine Co. ("Diabola"), Lansing, Mich
Upton Machine Co., St. Josephs, Mich.
Utilities Corp. ("Victoria" electric), Alpena, Mich.
Vacuum Washer Co., Ripon, Wis.
Victor Mfg. Co. ("Wonder"), Leavenworth, Kansas
Voss Bros. Mfg. Co. ("Ocean Wave" Hand & Power, "Pendulum," "Automatic" & "Sunshine" Hand, "Universal" Power & "Voss" Water Motor & Electric), Davenport, Ia.
Waring Ed. C. ("Waring" Aerated), Huntsville, Mo.
Wayne Mfg. Co. ("Wayne"), 124 Sidney, St. Louis Mo.
Wenzelman Mfg. Co. (Hand, Power & Electric), Galesburg, Ill.
Western Elec. Co. ("Western Electric"), 463H West, New York
White Lily Mfg. Co. ("White Lily," "White Way" & "De Luxe" Cabinet), Dept. H, Davenport, Ia.
Wiard Mfg. Co. ("Wiard's Standard"), E Avon, N. Y.
Williamson H. E. Co. ("California Maid"), 22 Grace, San Francisco, Cal.
Winger-Blume Mfg. Co. (Electric), Wolcott, Ind.
Wise-McClung Mfg. Co. ("America"), New Phila., Pa.
Woodrow Mfg. Co. (Electric & Power), Newton, Ia.
Yost Gearless Motor Co., Springfield, O.

9392—Washing Machines (Laundry)

Adams Laundry Machinery Co. (Mill), Troy, N. Y.
American Laundry Machinery Co. (Cylindrical), Cincinnati, O.
Empire Laundry Machinery Co. (Cylindrical), 352 Western av, Boston, Mass.
Poland Laundry Machinery Co. (Cylindrical), 47 Kemble, Boston, Mass.
West Coast Laundry Machinery Co., 3246 17th, San Francisco, Cal.

9392a—Washing Machines (Metal Parts)

BLAKE & JOHNSON CO., 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
Crescent Washing Machine Co. ("Crescent"), New Rochelle, N. Y.
Howard Iron Works, Chicago & Granger, Buffalo, N. Y.
Ideal Concrete Machy. Co. (METAL CLEANING MACHINERY for cleaning screw machine parts, stampings and similar work. Removes the grease or cutting oil after manufacture), 5007 Spring Grove av, Cincinnati, Ohio
See adv index at end of book
Yost Gearless Motor Co. (Water Motors), Springfield, Ohio

9393—Washing Machines (Vegetable & Fruit)

Anderson-Barngrover Mfg. Co., 333 W. Julian, San Jose, Cal.
California Canning Machinery Co., 776 W. 10th, Riverside, Cal.
Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Premier Machinery Co., 310 Sansome, San Francisco, Cal
Smith Mfg. Co., Inc., Stockton & Alameda, San Jose, Cal.
Stebler, Parker Co., Inc., 171 9th, Riverside, Cal.

9394—Waste Product Machinery for Packing Houses

Joslin, Schmidt Co. (Glue Works, Soap Factories, etc), 3223 Spring Grove av, Cincinnati, O.

9394a—*Waste Saving Machines

OIL & WASTE SAVING MACHINE CO., Real Estate Trust bldg, Phila, Pa.
See adv index at end of book

9395—Waste Washing Machines

American Tool & Machine Co. (For Cotton or Woolen, Wiping or Packing Waste, etc), 10 High, Boston, Mass.
Oil & Waste Saving Machine Co., Real Estate Tr. bldg., Phila., Pa.
See adv index at end of book

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IF YOU HAVE A WELDABLE JOB WE CAN PRODUCE A WELDER TO DO THE WORK

9396—Watch Case Machinery

Cavagnaro Jno. J., Harrison, N. J.

Watchmakers' Machinery

See Clock & Watchmakers' Machinery

9397—Wax Caking Machines

Bethlehem Shipbuilding Corporation, Ltd., ("Bethlehem Moore" Distillate, Chilling), Bethlehem, Pa.
Moore Samuel L. & Sons, Elizabeth, N. J.

9397a—Waxing Machines (Cloth)

Parks & Woolson Machine Co., Springfield, Vt.
See adv index at end of book

9398—Weighing Machines (Automatic)

See also Poidometers

Advertising Scale Co. (Advertising Heads for Scales, Coin Operated), 117 N. Daly, Los Angeles, Cal.
AUTOMATIC WEIGHING MACH. CO., 5520 2d av, Brooklyn, N. Y.
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Edtbauer E. & Co. ("Duplex" for Groceries, etc), 224 N Desplaines, Chicago, Ill.
Fairbanks Co., 416 Broome, New York
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Gent Wm. Wending Mach. Co., 846 E 93d, Cleveland, O.
Pacific Peerless Weighing Machine Co., 812 W. 11th, Los Angeles, Cal.
Pneumatic Scale Corp. (Ltd.), Norfolk Downs, Mass.
Richardson Scale Co. (Self-Indicating & Totaling), Passaic, N. J.
SCHAFFER POIDOMETER CO, Formerly SCHAFFER ENGINEERING & EQUIPMENT CO. ("Poidometer"), 2828 Smallman, Pittsburgh, Pa.
See adv index at end of book
Smith Cannery Machines Co. (For Canners), 2413 1st av S, Seattle, Wash.
Stebler Parker Co., Inc. (for Fruit), 171 9th, Riverside, Cal.
Streeter-Amet Weighing & Recording Co. (Indicating & Recording), 4101 Ravenswood av, Chicago, Ill.
Unit Weighing & Packing System, 200 Scott & McHenry, Baltimore, Md.

9399-400—Weighing, Packing & Bagging Machines (Automatic)

Automatic Weighing Machine Co. (Weighing & Packing), 5520 2d av, Brooklyn, N. Y.
Case J. I. Threshing Machine Co. (Grain Baggers), Racine, Wis.
Mohan & Co., Inc., 44 E 23d, New York
Specialty Engineering Co., Trenton & Allegheny aves, Phila., Pa.

Welding Machines (Autogenous)

See Welding & Cutting Apparatus Oxy-acetylene

9401—Welding Machines (Electric)

Acme Electric Welder Co. ("Acme" Spot Welder), 5615 Pacific blvd, Los Angeles, Cal.
Agnew Elect. Welder Co., Milford, Mich.
Allan Mfg. & Welding Co., Inc., 728 Washington, Buffalo, N. Y.
See adv index at end of book
American Electric Fusion Corp., 2610 Diversey av, Chicago, Ill.
Burke Electric Co. (Arc), Erie, Pa.
Colonial Supply Co., 541 Wood, Pittsburgh, Pa. *See adv index at end of book*
Davis-Bournonville Co. (Tube), H Van Wagnen av, Jersey City, N. J.
Electric Arc Cutting & Welding Co., 152-6 Jelliff av, Newark, N. J.
See adv index at end of book
Electric Ry. Improvement Co., 2070 E 61st pl, Cleveland, C.
Electric Welding Co., 764 Court, New York
FEDERAL MACHINE & WELDER CO. (THE) (Spot, Butt, Jump and Seam Welders), Dana av, Warren Ohio
See adv index at end of book
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Gibb Instrument Co. (Arc, Spot & Seam), General Motors bldg, Detroit, Mich.
Lincoln Electric Co. (Arc), Cleveland, O.
Marvel Electric Welder Co. ("Marvel" A. C. Arc), E 28 Sprague, Spokane, Wash.
Ohio Brass Co., The, Mansfield, Ohio
Siemund Wenzel Electric Welding Co., 29 B'way, New York
Stone Ryals Electric Co. (Spot), 892 Mission, San Francisco, Cal.
Taylor Welder Co., Warren, O.
Thomson Electric Welding Co. (Butt, Spot & Seam Welders), 161 Pleasant, Lynn, Mass.
Thompson Spot Welder Co., Lynn, Mass.
Universal Elec. Welding Co., 132 W 42d, New York
Welding Service & Supply Co., 559 Howard, San Francisco, Cal.
Westinghouse Electric Mfg. Co., East Pittsburgh, Pa. *See adv index at end of book*
Wilson Welder & Metals Co., 132 King, Brooklyn, N. Y.
Winfield Elec. Welding Mach. Co. ("Winfield"), Warren, Ohio

Electric Arc Welding
TRANSFORMERS
AND
GENERATORS

WELDING SUPPLIES

Allan Mfg. & Welding Co., Inc.
Buffalo, N. Y.

9401a—Welding Machines (Oxy-Acetylene)

OXWELD ACETYLENE CO., 30 E 42d, New York
See adv index at end of book

9402—Well Drilling Machinery

Alamo Iron Works, San Antonio, Tex.
AMERICAN WELL WORKS, Aurora, Ill.
See adv index at end of book
American Well & Prospecting Co., Corsicana, Tex.
Armstrong Mfg. Co. ("Armstrong," for Oil, Gas, Water Wells, Prospecting & Blast Hole Drilling), Waterloo, Ia.
Artesian Well & Supply Co., 195 Anthony, Providence, R. I.
Associated Well Supply Co. Inc., (Oil Jobbers), 19 Moore, New York
Atlas Supply Co., Muskogee, Okla.
Bakersfield Iron Works, 24th & M, Bakersfield, Cal.
Bovaird & Seyfang Mfg. Co., Bradford, Pa.
Commercial Iron Works of Los Angeles, 2424 Porter, Los Angeles, Cal.
Dempster Mill Mfg. Co., Beatrice, Neb.
Emsco Tool Co. (Rotary), 70th & Alameda, Los Angeles, Cal.
Everhard Co., Massillon, O.
Ferguson Mfg. Co. (Oil, Gas & Water), Waterloo, Ia.
Fort Worth Well Machy. & Supply Co., Fort Worth, Tex.
Grimes G. W. Co. (Oil Well), Bluffton, Ind.
Hardy Mach. Co. (Oil & Gas), N Baltimore, O.
Herron R. H. Co., 934 N Alemeda, S Los Angeles, Cal.
Holmes E. J. & Son ("Eagle"), Ithaca, N. Y.
Howell R. R. & Co., 31st av, Minneapolis, Minn.
Hughes Tool Co. (Rotary Drill Bits for Oil, Gas & Water Wells), Houston, Tex.
Ingersoll-Rand Co., 11 B'way, New York
INTERNATIONAL DERRICK & EQUIPMENT CO. (Oil, Walking Beams, Steel), Michigan & Buttles av, Columbus, O.
KEYSTONE DRILLER CO. ("Keystone"), Beaver Falls, Pa.
See adv index at end of book
Krajewski-Pesant Corp., 227 Fulton, New York
La Cross Well Drill Works, La Crosse, Wis.
Landerson-Cyclone Drill Co., Orrville, O.
Leidecker Tool Co., Marietta, O.
Lisle Mfg. Co., Clarinda, Ia.
Loomis Machine Co. ("Clipper"), Tiffin, O.
Marion Machine Foundry & Supply Co., Marion, Ind.
Milton S. G. & Son ("Milton" for Pulling Rods or Tubing from Wells & Replacing Same Ready for Pumping), Franklin, Pa.
National Supply Co., Toledo, O.
National Supply Co., Union Bank bldg, Pittsburgh, Pa.
Oil Well Supply Co. (Oil Well, etc), 215 Water, Pittsburgh, Pa.
Parkersburg Rig & Reel Co. (Oil & Gas Well), Parkersburg W. V.
Pech Gus Foundry & Mfg. Co., Le Mars, Ia.
Red Cross Mfg. Co., Bluffton, Ind.
Reierson Machinery Co., 1295 Hood, Portland, Oregon
Republic Supply Co. ("Gumbo Buster"), Houston, Texas
Rockford Iron Works, Rockford, Ill.
San Antonio Machine & Supply Co. ("West Texas"), San Antonio, Tex.
Sanderson Cyclone Drill Co. ("Cyclone" Water Well, Oil & Gas Well & Big Blast Hole Drills), Orrville, Ohio
Sparta Iron Works Co., Sparta, Wis.
Star Drilling Machine Co. (Portable), Akron, O.
Sweeney & Gray Co. (Shallow Wells), 83-85 6th, Long Island City, N. Y.
Sydnor Pump & Well Co., 1310 E Main, Richmond, Va.
Titusville Iron Co., Titusville, Pa.
Union Tool Co. ("Ideal" for Oil, Gas & Artesian Wells), Torrance, Cal.
United Iron Works, Inc., Kansas City, Mo.

9403—Wet Machines (Paper Mill)

Bagley & Sewell Co., Watertown, N. Y.
Baker Mfg. Corp, Saratoga Springs, N. Y.
Beloit Iron Works, Beloit, Wis.
Carthage Machine Co., Carthage, N. Y.
Clark H. C. & Son Machine Co., Lee, Mass.
Dilts Machine Works (Inc.), Fulton, N. Y.
Emerson Mfg. Co. (Also Pulp Mill), Lawrence, Mass.
Friction Pulley & Machine Works, Hudson Falls, N. Y.

Holyoke Machine Co., Holyoke, Mass.
Rice, Barton & Fales, Inc., 65 Taintor, Worcester, Mass.
Sandy Hill Iron & Brass Works (Pulp Mill), Hudson Falls, N. Y.
Smith & Winchester Mfg. Co., So. Windham, Conn.
Trevor Mfg. Co. Lockport, N. Y.

9403a—Wheat Scouring & Polishing Machines

Howes S. Co., Inc., Silver Creek, N. Y.
Huntley Mfg. Co., ("Monitor"), Silver Creek, N. Y.
Invincible Grain Cleaner Co., Silver Creek, N. Y.

9404—Wheat Washing & Stone Separating Machinery

Howes S. Co., Inc., Silver Creek, N. Y.
Wolf Co., Chambersburg, Pa.

9405-6—Wheel Boxing Machines

Defiance Machine Works, Defiance, O.

9407-8-9-10—Wheel Machinery

Blomquist Eck Machine Co. (Automobile), 1146 E 152d, Cleveland, Ohio
Defiance Machine Works, Defiance, O.
Empire Mach. Works, Mt. Morris, N. Y.
Fay J. A. & Egan Co., Cincinnati, O.
Gould & Eberhardt, 97 N. J. R. R., Newark, N. J.

9411—Whisk Broom Machinery

See also Broom Machinery

Cassard Hamilton, Holliday & Pleasant, Baltimore, Md.

9412-3—White Lead Machinery

Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Kaestner & Hecht Co., 600 Throop, Chicago, Ill.
POOLE ENGINEERING & MACHINE CO., Woodberry, Baltimore, Md.
See adv index at end of book
Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.

Whitewash Spraying Machines

See Paint & Whitewash Spraying Machines

9414—Winding Machinery (For Hydraulic Dredges)

Norbom Engng. Co., 5th & R. R., Philadelphia, Pa.

9415—Window Frame Machinery

Atlas Mfg. Co. ("Improved Phillips" Wooden), Orlando, Fla.
New Britain Machine Co. ("New Britain"), 190 Chestnut, New Britain Conn.
Schaefer Mfg. Co. (Portable), Berlin, Wis.
Smith & Phillips Mfg. Co., 30 N Jefferson, Chicago, Ill.

9416—Window Pocket Cutting Machines

Horsford Bros. Co. ("Rapid"), 235 Mission, San Francisc, Cal.
Smith & Phillips Mfg. Co., 30 N Jefferson, Chicago, Ill.

9417—Window Shade Machinery

Girard Mfg. C., 87th Moneta av, Los Angeles, Cal.
Swift Geo. W., Jr., Bordentown, N. J.

9418—Wine Making Machinery

Hydraulic Press Mfg. Co. ("Mount Gilead"), 24 Lincoln av, Mount Gilead, Ohio
See adv index at end of book
Klotz Machine Co., Sandusky, O.
Redlich Mfg. Co., 637 to 647 W Oak, Chicago, Ill.

9419—Wire Barbing Machines

Bates Machine Co., Joliet, Ill.
Wright David A., 601 W Monroe, Chicago, Illinois

9420—Wire Barrel Hoop Machines

Gilmour Hogshead Mach. Co., Owensboro, Ky.

9420a—Wire Bending Machines

Wallace Supplies Mfg. Co., 1312 Diversey pkway, Chicago, Ill.
Youngstown Sheet & Tube Co., Youngstown, Ohio

9421—Wire Cloth Measuring Machines

Schriver O. P. & Co. ("I. X. L."), 621 E. Pearl, Cincinnati, O.

9422—Wire Cloth Weaving Machines

Crompton & Knowles Loom Works, Worcester, Mass.
Kilby Mfg. Co., 4623 Lakeside av, Cleveland, O.
Sailor Whitmore Machine Co., Menasha, Wis.

Wire Covering Machinery

See Wire & Cable Covering Machinery

9423—Wire Crating Machines

Gilmour Hogshead Mach. Co., Owensboro, Ky.

9424—Wire Crimping Machines

Automatic Machine Co., 113 E Washington, Bridgeport, Conn.
Cady Mach. Co. (Automatic), Cleveland, O.
McCallip Mfg. Co., 162 W Naghten, Columbus, Ohio
Manville E. J. Machine Co., Waterbury, Conn.
Wells Frank L. Co., Kenosha, Wis.

9425-6—Wire Drawing Machinery

American Insulating Machinery Co. ("Aimco"), Dept. H, Fairhill & Huntington, Phila., Pa.
Bates Machine & Tractor Co., Joliet, Ill.
BLISS CO. E. W., 53d & 1st av, Brooklyn, N. Y.
See adv index at end of book
General Engineering & Supply Co., 160 5th av, Mohawk bldg, New York
Humphrey & Sons ("Humphrey," Wire Drawing Benches, etc), Joliet, Ill.
McWilliams Mfg. Co., 237 Eddy, Providence, R. I.
Mackenzie's Duncan Sons Co. (Draw Benches), Trenton, N. J.
Morgan Construction Co., Worcester, Mass.
New England Wire Machinery Co., Water Front cor. Stiles, New Haven, Conn.
O. & J. Machine Co. ("Oslund" continuous), 60 Ellsworth, Worcester, Mass.
Richard Mfg. Co., Bloomsburg, Pa.
Torrington Mfg. Co., Torrington, Conn.
Vaughn Machinery Co. (Trolley Wire Drawing Benches, Bull Blocks, etc.), Cuyahoga Falls, Ohio
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

9427—Wire Forming Machinery

Automatic Machine Co., 113 E Washington, Bridgeport, Conn.
Baird Machine Co. ("Automatic"), Stratford av, Bridgeport, Conn.
Cady Machine Co. (Automatic), Cleveland, O.
Coulter & McKenzie Machine Co., 771 Water, Bridgeport, Conn.
Kilmer M. D. & Co. ("Kilmer Little Giant"), 6003 Quinby av, Cleveland, O.
See adv index at end of book

WIRE FORMING
AND
WIRE STRAIGHTENING
AND
CUTTING MACHINES
M. D. KILMER & CO.
6003 Quinby Ave., Cleveland, O.

Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.
Manville E. J. Machine Co., Waterbury, Conn.
Nilson A. H. Machine Co. (Automatic & Four Slide), 55 William, Bridgeport, Conn.
SLEEPER & HARTLEY, INC. (Automatic), 168 Prescott, Worcester, Mass.
See adv index at end of book
Special Machinery Co., 38 Remer, Bridgeport, Conn. *See adv index at end of book*
Westchester Machine Co., Mt. Vernon, N. Y.

9428—Wire Galvanizing Machinery

Bates Machine & Tractor Co., Joliet, Ill.
Morgan Construction Co., Worcester, Mass.
Vaughn Machinery Co., Cuyahoga Falls, Ohio

9429—Wire Handle Machines

Kilmer M. D. & Co., 6003 Quinby av, Cleveland, Ohio
See adv index at end of book
Stecher Chas. Co., 2301 Knox av, Chicago, Ill.

Wire Insulating Machinery

See Wire & Cable Covering Machinery

9430-1— Wire Machinery

Baird Machine Co. ("Automatic"), Stratford av, Bridgeport, Conn.
Bates Machine & Tractor Co., Joliet, Ill.
Humphrey & Sons (Wire Mills), Joliet, Ill.
Kilby Mfg. Co., 4623 Lakeside av, Cleveland, O.
Kilmer M. D. & Co. (Wire Forming), 6003 Quinby av, Cleveland, Ohio
See adv index at end of book
Mackenzie's Duncan Sons Co. (Draw Benches & Annealers), Trenton, N. J.
Manville E. J. Machine Co., Waterbury, Conn.
Morgan Construction Co., Worcester, Mass.
Nilson A. H. Machine Co. (Automatic), 55 William, Bridgeport, Conn.
New England Machinery Co. (Planetary & Closing), New Haven, Conn.
Richard Mfg. Co., Bloomsburg, Pa.
SHUSTER F. B. CO. (Wire Straightening & Cutting), Cedar Hills, New Haven, Conn. *See adv index at end of book*
Sleeper & Hartley, Inc. (Wire Working). 335 Chandler, Worcester, Mass.
See adv index at end of book
Stimpson Edwin B Co. (Automatic), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
VAUGHN MACHINERY CO. (Wire Mill), Cuyahoga Falls, Ohio
Watson Machine Co., Paterson, N. J.

9432—Wire Measuring Machines

Anderson Homer, Peekskill, N. Y.
General Engineering & Supply Co., 160 5th av, Mohawk bldg, New York
Minneapolis Electric & Construction Co. (Wire Reel & Measure), 805 12th, Minneapolis, Minn.
Moore S. L. & Sons, Elizabeth, N. J.
New England Butt Co., 304 Pearl, Providence, R. I.
Root C. J. Co., Bristol, Conn.
Textile Machine Works, Reading, Pa.
Waldman, John J., 64 Murray, New York
Watson Machine Co., Paterson, N. J.

9433—Wire Nail Barbing Machines

Miller's H. J. Sons ("Improved Perkins"), Bridgewater, Mass.
Vaughn Machinery Co., Cuyahoga Falls, Ohio

9434—Wire Nail Cleaning Machines

Ladel Mfg. Co., New Philadelphia, O.

9434a—Wire Nail Machinery

See also Nail Mill Machinery

BLISS CO. E. W., 53d & 1st av, Brooklyn, N. Y.
See adv index at end of book
SLEEPER & HARTLEY, INC., 335 Chandler, Worcester, Mass.
See adv index at end of book

9435—Wire Pointing Machinery

See also Swaging Machines

Baird Machine Co. (Automatic), Stratford av, Bridgeport, Conn.
Bates Machine & Tractor Co., Joliet, Ill.
General Engineering & Supply Co., 160 5th av, Mohawk bldg, New York
Langelier Mfg. Co., Arlington, Providence, R. I.
Manville E. J. Machine Co., Waterbury, Conn.
Morgan Construction Co., Worcester, Mass.
TORRINGTON CO. (THE), Excelsior Plant ("Dayton"), Torrington, Conn.
See adv index at end of book
Vaughn Machinery Co., Cuyahoga Falls, Ohio

9436— Wire Rivet Machines

Cook Asa S. Co., Hartford, Conn.
Manville E. J. Machine Co., Waterbury, Conn.
Perkins Henry Co., Bridgewater, Mass.

9437—Wire Rope Making Machinery

New England Butt Co., 304 Pearl, Providence, R. I.
Watson Machine Co., 102 Railroad av, Paterson, N. J.

9438—Wire Spoke Heading & Bending Machines

Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

9439—Wire Spooling Machines

Cady Machine Co., Cleveland, O.
Emory Robt. J. Co., 27 Runyon, Newark, N. J.
General Engineering & Supply Co., 160 5th av, Mohawk bldg, New York
Koegel Chas. & Sons, Holyoke, Mass.
SLEEPER & HARTLEY, INC., 335 Chandler, Worcester, Mass.
See adv index at end of book
Vaughn Machinery Co. (Steel & Copper Wire Mills), Cuyahoga Falls, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*

9440—Wire Spring Coiling Machines

See also Spring Coiling Machines

Baird Machine Co. (Automatic), Stratford av, Bridgeport, Conn.
General Engineering & Supply Co., 160 5th av, Mohawk bldg, New York
Manville E. J. Machine Co., Waterbury, Conn.
SLEEPER & HARTLEY, INC., 335 Chandler, Worcester, Mass.
See adv index at end of book

9441—Wire Spring Machinery

SLEEPER & HARTLEY, INC. (Automatic), 335 Chandler, Worcester, Mass.
See adv index at end of book

9442—Wire Stapling Machinery

Allen A. & Co. ("Lightning," "Hercules," for Book Binders), 200 Carpenter, Phila., Pa.
Morrison J. L. Co. (Bookbinders'), Niagara Falls, N. Y.
St. Joseph Iron Works (For Baskets, Packages, etc.), St. Joseph, Mich.
Saranac Machine Co. ("Advance" for Baskets, Boxes, Fruit Package, Butter Dish, etc.), Benton Harbor, Mich.

9443—Wire Stitching Machines

Beck Chas. Machine Co., 607 Chestnut, Phila., Pa.
Boston Wire Stitcher Co., East Greenwich, R. I.
Brown R. H. & Co., 198H Brown, West Haven, Conn.
Central Machine Co., Niagara Falls, N. Y.
Gitzendanner-Muller Co. ("National"), 15 Vandewater, New York
Latham Machinery Co. ("Monitor"), 1153 Fulton, Chicago, Ill.
Morrison J. L. Co. ("Perfection"), Niagara Falls, N. Y.
N. J. Wire Stitching Mach. Co., Camden, N. J.
Rosback F. P. Co. ("Progress"), Benton Harbor, Mich.
Saranac Machine Co. ("Advance" for Books & Pamphlets), Benton Harbor, Mich.
Sheridan T. W. & C. B. Co., 4301 Broadway, New York.

9444—*Wire Straightening Machines (Roll & Rotary)

Kane & Roach, Niagara & Shonnard, Syracuse, N. Y.
Kilmer M. D. & Co. (Roll Only), 6003 Quinby av, Cleveland, Ohio
See adv index at end of book
SHUSTER F. B. CO., Cedar Hills, New Haven, Conn. *See adv index at end of book*

9445—Wire Straightening & Cutting Machines

Artos Engineering Co., 306 Milwaukee, Milwaukee, Wis.
Baird Machine Co. (Automatic), Stratford av, Bridgeport, Conn.
Chandler & Farquhar Co. ("Federal" Straightening), 250 Devonshire, Boston, Mass.
Electric Welding Co., Benedum Trees bldg, Pittsburgh, Pa.
General Engineering & Supply Co., 160 5th av, Mohawk bldg, New York
Kane & Roach, Syracuse, N. Y.
Kilmer M. D. & Co. ("Kilmer"), 6003 Quinby av, Cleveland, Ohio
See adv index at end of book
Lewis Machine Co. ("Lewis" Automatic Core Wire), 6303 Central, Cleveland, O.
Manville E. J. Machine Co., Waterbury, Conn.
Medart Company, The, 3500 De Kalb, St. Louis, Mo.
See adv index at end of book
Nilson A. H. Machine Co. (Automatic), 55 William, Bridgeport, Conn.
SHUSTER F. B. CO. (Automatic), Cedar Hills, New Haven, Conn.
See adv index at end of book
SLEEPER & HARTLEY, INC., 335 Chandler, Worcester, Mass.
See adv index at end of book
Torrington Mfg. Co., Torrington, Conn.
Wells Frank L. Co., Kenosha, Wis.
Worthington Pump & Machy. Corp., 115 Broadway, New York

9446—Wire Straightening & Forming Machines

General Engineering & Supply Co., 160 5th av, Mohawk bldg, New York
Kilmer M. D. & Co., 6003 Quinby av, Cleveland, Ohio
See adv index at end of book
Nilson A. H. Machine Co. (Automatic), 55 William, Bridgeport, Conn.

9447—Wire Stranding Machines

General Engineering & Supply Co., 160 5th av, Mohawk bldg, New York
New England Butt Co., 304 Pearl, Providence, R. I.
New England Machinery Co. ("Larmuth,"
Watson Machine Co., Paterson, N. J.

9447a—Wire Tinning Machinery

Vaughn Machinery Co., Cuyahoga Falls, Ohio

9448-9—Wire Twisting Machines

Bates Machine & Tractor Co., Joliet, Ill.
General Engineering & Supply Co., 160 5th av, Mohawk bldg, New York
Watson Machine Co., Paterson, N. J.

Wire Weaving Machinery

See Wire Cloth Weaving Machines

9449a—Wire Wheel Machines

Langeller Mfg. Co., Arlington, Providence, R. I.

9450—Wire Winding Machinery

American Insulating Machinery Co., Huntingdon & Fairhill, Phila., Pa.
General Engineering & Supply Co., 160 5th av, Mohawk bldg, New York
Koegel Chas. & Sons, Holyoke, Mass.
Morgan Construction Co., Worcester, Mass.
New England Butt Co., 304 Pearl, Providence, R. I.

9451—Wire & Cable Covering Machinery

American Insulating Machinery Co. ("Aimco"), Dept. H, Fairhill & Huntington, Phila., Pa.
Chernack Mfg. Co., Pawtucket, R. I.
Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn.
See adv index at end of book
Moore S. L. & Sons, Elizabeth, N. J.
New England Butt Co., 304 Pearl, Providence, R. I.
New England Wire Machinery Co., Water Front cor. Stiles, New Haven, Conn.
Rhode Island Braiding Mach. Co., 228 Aborn, Providence, R. I.
Royle John & Sons (Electric Wire Insulating), Paterson, N. J.
Textile Machine Works, Reading, Pa.
Torrington Mfg. Co., Torrington, Conn.
Wardwell Braiding Mach. Co., Central Falls, R. I.
Watson Machine Co., Paterson, N. J.

9452—Wire & Cable Polishing Machines

New England Butt Co., 304 Pearl, Providence, R. I.
Watson Machine Co., Paterson, N. J.

9452a—*Wiring Machines (Sheet Metal)

QUICKWORK CO. (Handles any shape), St. Marys, Ohio

Wood Band Sawing Machines

See Band Sawing Machines for Wood

9453—Wood Barking Machines

Appleton Machine Co., Appleton, Wis.
Baker Mfg. Corp. ("C Bache-Wiig" Barking Drum), Saratoga Springs, N. Y.
Green Bay Barker Co., Green Bay, Wis.
Holyoke Machine Co., Holyoke, Mass.
Kline Lewis T., Alpena, Mich.
Portland Co., Portland, Me.
Sandy Hill Iron & Brass Works, Hudson Falls, N. Y.
Scott Olin (Est. of), Bennington, Vt.
Trevor Mfg. Co., Lockport, N. Y.
Valley Iron Works Co., Appleton, Wis.
Waterville Iron Works, Waterville, Me.

9454—Wood Bending Machines

American Woodworking Machinery Co. Rochester, N. Y.
Bancroft & Barnard, Gardner, Mass.
Defiance Machine Works, Defiance, O.
Fay J. A. & Egan Co., Cincinnati, O.
Malleable Iron Range Co., Beaver Dam, Wis.
Smith H. B. Machine Co., Smithville, N. J.
Superior Iron Works Co., Superior, Wis.

9455—Wood Boring Machines

See also Pneumatic Wood Boring Machines

Ajax Mfg. Co. ("Ajax"), 848 Jackson, N S, Pittsburgh, Pa.
American Woodworking Machinery Co., Rochester, N. Y.
Andrew M. L. & Co. (Multiple Spindles), Cincinnati, O.
Billingsley P. L. Co., 427 Elm, Cincinnati, Ohio
Bowlus Mfg. Co., Springfield, Ohio
Carey W. W. Co., Lowell, Mass.
Chicago Pneumatic Tool Co., 6 E 44th, New York *See adv index at end of book*
Cordesman-Rechtin Co., Butler, Cincinnati, Ohio
CRESCENT MACHINE CO. THE, 512 Oak, Leetonia, O.
See adv index at end of book
Defiance Machine Works, Defiance, O.
Eagle Square Mfg. Co. (Carpenters' Hand), S Shaftsbury, Vt.
Falls Machine Co., Sheboygan Falls, Wis.
Fay J. A. & Egan Co., Cincinnati, O.
Gallmeyer & Livingston Co. ("Valley City" & "Union"), Grand Rapids, Mich.
Greenlee Bros. & Co. (Multiple Spindle, Also for Various Purposes), 12th, Rockford, Ill.
Greenwood Chester Co. (Automatic for Spools & Bobbin Mills), Farmington, Me.
Hall & Brown Wood Working Machine Co., 1911 N B'way, St. Louis, Mo.
Hayes E. B. Machinery Corp., Oshkosh, Wis.
Heath W. A. Machine Co., Lestershire, N. Y.
Hermance Machinery Co., Williamsport, Pa.
Holmes E. & B. Machinery Co., 59 Chicago, Buffalo, N. Y.
Jenkins Machine Co. (Upright Iron Post, also Multiple Spindle), Sheboygan, Wis.
Jones Superior Machine Co. ("Superior"), 1264 W North av, Chicago, Ill.
Jones Tool Co. ("Jones"), 3346 Avalon rd, Cleveland, Ohio
Kidder R. E. Co., 33 Hermon, Worcester, Mass.
Millers Falls Co. ("Millers Falls"), Dept N, Millers Falls, Mass.
Nash J. M. ("Universal" Power Feed Multiple Spindle), 842 30th, Milwaukee, Wis.
National Woodworking Machine Co., Dover, N. H.
Ober Mfg. Co. (Combined Boring & Chucking), Chagrin Falls, O.
Oliver Machinery Co., Grand Rapids, Mich.
Ordnance Engng. Corp., 170 Broadway, New York
Power L. & Co., 20 S 23d, Phila., Pa.
Pringle & Brodie (Multiple Spindle, Vertical & Horizontal), 566 Polk, Chicago, Ill.
Root B. M. Co. ("Root"), York, Pa.
Sidney Machine Tool Co., Sidney, O.
Smith H. B. Machine Co., Smithville, N. J
Superior Iron Works Co., Superior, Wis.
Victory Mach. & Lbr. Co., Inc., Buffalo, N. Y.
Wheland Co., N Side & 27th, Chattanooga, Tenn.
Woods S. A. Machine Co. ("The Planers of Woods"), 27 Damrell, Boston, Mass.

9456— Wood Boring Machines (Hand Power)

Ajax Mfg. Co. ("Ajax," Self Withdrawing), 848 Jackson, Pittsburgh, Pa.

9457—Wood Boring Machines (Multiple)

Andrew M. L. & Co., Cincinnati, O.
Defiance Machine Works, Defiance, O.
Gallmeyer & Livingston Co. ("Valley City," "Union"), Grand Rapids, Mich.
Greenlee Bros. & Co., 12th, Rockford, Ill.
Hall & Brown Wood Working Machine Co., 1911 N B'way, St. Louis, Mo.
Oliver Machinery Co., 1001 Clancy av,, 1001 Clancy av, Grand Rapids, Mich.
Root B. M. Co. ("Root"), York, Pa.
Woods S. A. Machine Co. ("The Planers of Woods"), 27 Damrell, Boston, Mass.

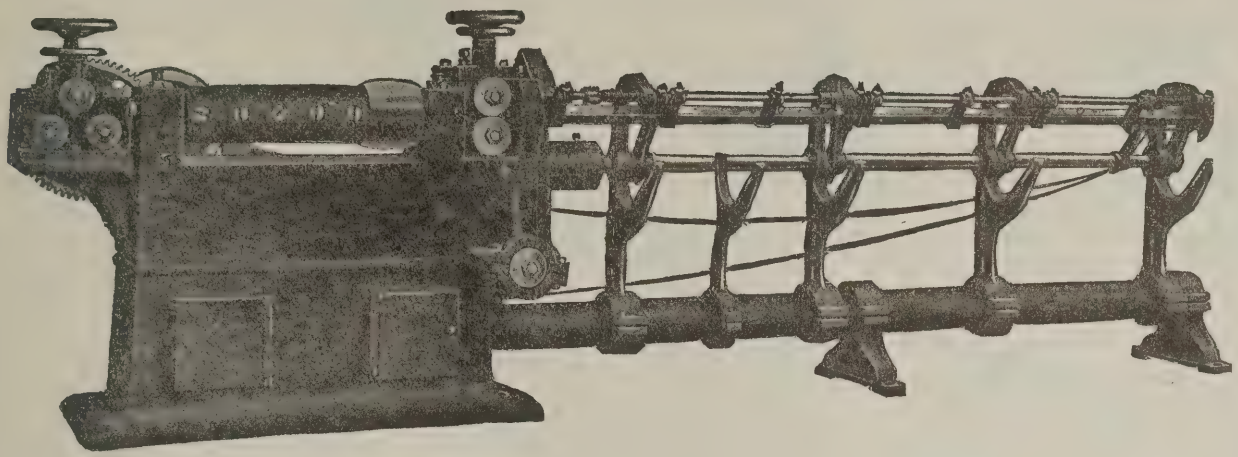
9458—Wood Carving Machines

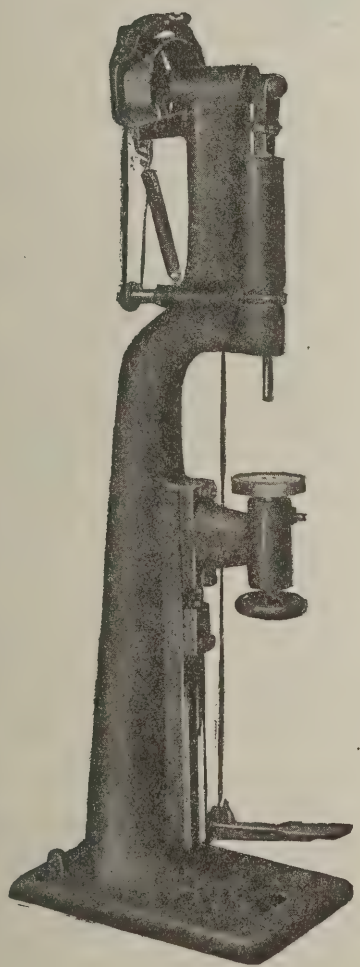
American Woodworking Mach'y Co., Rochester, N. Y.
Anthe Mach. Works, Covington, Ky.
Curtis Mach. Corp. ("Lochman," "Moore"), Jamestown, N. Y.
Fay J. A. & Egan Co., Cincinnati, O.
Gallmeyer & Livingston Co. ("Valley City" & "Union"), Grand Rapids, Mich.
Hall & Brown Wood Working Machine Co., 1911 N B'way, St. Louis, Mo.
Morey & Co., Inc., 46 Church, New York
Ordnance Engng. Corp., 170 Broadway, New York
Porter C. O. Machinery Co., 666 Front av, Grand Rapids, Mich.
Smith H. B. Machine Co., Smithville, N. J.
Tannewitz Works (Saddle Chair Seat), 333 Front N. W., Grand Rapids, Mich.
Valley City Machine Works ("Flying Dutchman," "Invincible," "Peerless," "Challenge," Carving Lathes), Grand Rapids, Mich.

Wood Chipping Machines

See Pulp Wood Chipping Machines

(Continued on page 1460)





Shuster Automatic Wire Straightening and Cutting Machines

take the material from the coil, straighten and cut it to accurate lengths at high speed with *small maintenance charges.*

They handle steel, iron, brass, copper, aluminum or special alloys with equal facility.

We make these machines in many sizes and lengths, and both belt and motor driven. Also machines for squares, hexagons, flats, strip and sheet metal.

"Elastic Rotary" Blow Riveting Machines

(Trade Mark)

which form any shape head required in an instant. Made in many sizes and adapted for various classes of work, heavy agricultural implements, automobile parts, light novelties, hardware articles, toys, small tools, etc.

The force of the blow is always under the control of the operator and the work may be riveted tight or loose as desired.

THE F. B. SHUSTER COMPANY

Formerly John Adt & Son **Established 1866**

CEDAR HILLS, NEW HAVEN CONNECTICUT

9459-60—Wood Chucking Machines

Jenkins Machine Co. (Double), Sheboygan, Wis.
Oliver Machinery Co., 1001 Clancy av, Grand Rapids, Mach.

9461—Wood Cutting-Off Machines

Adams W. T. Machine Co., Corinth, Miss.
Allis-Chalmers Mfg. Co. (Steam Feed Cutting-Off Saws), Milwaukee, Wis.
See adv index at end of book
American Saw Mill Machinery Co., Hackettstown, N. J.
American Woodworking Mach'y Co., Rochester, N. Y.
Barnes W. F. & John Co. (Foot & Power), Rockford, Ill.
Beach Mfg. Co., Montrose, Pa.
Carey W. W. Co., Lowell, Mass.
Cordesman-Rechtin Co., Butler, Cincinnati, O.
Crescent Machine Co., The, 512 Oak, Leetonia, O. *See adv index at end of book*
Defiance Machine Works, Defiance, O.
Dodds Alexander Co., Grand Rapids, Mich.
Farquahar A. B. Co. (Ltd.), York, Pa.
Fay J. A. & Egan Co., Cincinnati, O.
Greenlee Bros. & Co., 12th, Rockford, Ill.
Hall & Brown Woodworking Machine Co. (Carriage Cut-Off Sawing Machines), 1911 N B'way, St. Louis, Mo.
Hayes E. B. Machinery Corp., Oshkosh, Wis.
Hermance Machinery Co., Williamsport, Pa.
Holmes E. & B. Machy. Co., 59 Chicago, Buffalo, N. Y.
Jenkins Machine Co. (Oil Driven Automatic High Speed Cut-Off Saw), Sheboygan, Wis.
JOHNSON SAFETY SAW WORKS ("Speed Saw Table"), 20 Stillman, San Francisco, Cal.
See adv index at end of book
Kline Lewis T., Alpena, Mich.
Lane Mfg. Co., Montpelier, Vt.
Luther B. G. Co. (Double Cut-Off), 91 Foster, Worcester, Mass.
Marston J. M. & Co. (Hand), 226 Ruggles, Boston, Mass.
Mecklenburg Iron Works, Charlotte, N. C.
Newman Machine Co., Greensboro, N. C.
Ober Mfg. Co., Chagrin Falls, O.
Oliver Machinery Co., 1001 Clancy av, Grand Rapids, Mach.
Olney & Warrin, 301 Lafayette, New York
Power L. & Co., 20 S 23d, Phila., Pa.
Sidney Machine Tool Co. (Cut-Off Saws), Sidney, O.
Smith H. B. Machine Co. (Also Pendulum or Swing), Smithville, N. J.
Towsley Jno. T. Mfg. Co., 1037 Evans, Cincinnati, Ohio
Union Iron Works, Bangor, Me.
U. S. Machinery Co., 136 Liberty, New York
Victory Mach. & Lbr., Inc., Buffalo, N. Y.
Woods S. A. Machine Co. ("The Planers of Woods"), 27 Damrell, Boston, Mass.
Yates P. B. Machine Co., Beloit, Wis.

9462—Wood Cutting-Off & Equalizing Machines

Defiance Machine Works, Defiance, O.

9463—Wood Dish Machinery

Defiance Machine Works, Defiance, O.

Wood Embossing Machines

See Embossing Machines

Wood Fibre Machinery

See Fibre Machinery

9464—Wood Flooring Machines

American Woodworking Mach'y Co., Rochester, N. Y.
Hall & Brown Woodworking Machine Co., 1911 N B'way, St. Louis, Mo.
Hermance Machinery Co., Williamsport, Pa.
Moltz Jacob J., Williamsport, Pa.
Newman Machine Co., Greensboro, N. C.
Power L. & Co., 20 S 23d, Phila., Pa.
Smith H. B. Machine Co., Smithville, N. J.
Stetson Press Mach. Co., 3204 1st av S., Seattle, Wash.
Woods S. A. Machine Co. ("The Planers of Woods"), 27 Damrell, Boston, Mass.
Yates P. B. Machine Co., Beloit, Wis.

Wood Gang Boring Machines

See Wood Boring Machines, Multiple

9465—Wood Gang Drilling Machines

Fay J. A. & Egan Co., Cincinnati, O.
Williams, White & Co. (6 to 10 Holes), Moline, Ill.

9466—Wood Gang Sawing Machines

Bradley H. C., Bridgeport, Conn.
Hall & Brown Woodworking Machine Co., 1911 N B'way, St. Louis, Mo.
Oliver Machinery Co., 1001 Clancy av, Grand Rapids, Mach.
Wickes Bros., Saginaw, Mich.
See adv index at end of book

9467—Wood Graining Machines

Grand Rapids Panel Co., Grand Rapids, Mich.
Silver Hugh & Son, Ogdensburg, N. Y.
Vance Manufacturing Co. ("Von Webern"), 106 E. 2nd, Dayton, Ohio

9468—Wood Mitreing Machines

Billingsley P. L. Co., 427 Elm, Cincinnati, Ohio
Hall & Brown Wood Working Machine Co., 1911 N B'way, St. Louis, Mo.
Oliver Machinery Co., Grand Rapids, Mich.
Tannewitz Works, 333 Front N. W., Grand Rapids, Mich.

9469—Wood Mortising Machines

Am. Wood Working Machinery Co. ("Houston"), 591H Lyell av, Rochester, N. Y.
Barnes W. F. & Jno. Co. (Hand & Foot Power), Rockford, Ill.
Billingsley P. L. Co., 427 Elm, Cincinnati, Ohio
Colgan Machinery & Supply Co. ("Champion"), Columbus, O.
Cordesman, Rechtin Co., Butler, Cincinnati, O.
Crescent Machine Co., The, 512 Oak, Leetonia, O. *See adv index at end of book*
Defiance Machine Works, Defiance, O.
Fay J. A. & Egan Co., Cincinnati, O.
Greenlee Bros. Co., 12th, Rockford, Ill.
Hall & Brown Wood Working Machine Co. (Cabinet Hollow Chisel, etc.), 1911 N B'way, St. Louis, Mo.
Heath W. A. Machine Co. (Chair), Lestershire, N. Y.
Jenkins Machine Co. (6 or 8 Bit), Sheboygan, Wis.
Jones Superior Machine Co. ("Superior"), 1264 W North av, Chicago, Ill.
Oliver Machinery Co. ("Oliver"), Grand Rapids, Mich.
Smith H. B. Machine Co., Smithville, N. J.
Strong, Carlisle & Hammond Co., 336-344 Frankfort av, N W, Cleveland, O.
U. S. Machinery Co., 136 Liberty, New York
Victory Mach. & Lbr. Co., Inc., Buffalo, N. Y.
Wallace J. D. & Co., 1401 W Jackson blvd, Chicago, Ill.
Wysong & Miles Co. (Chair), Greensboro, N. C.

9470—Wood Moulding Machines

American Woodworking Mach'y Co., Rochester, N. Y.
Barnes W. F. & Jno. Co. (Hand & Foot Power), Rockford, Ill.
Black Bros. Co. (The) Inc. (Sanding), Mendota, Ill.
See adv index at end of book
Central Machine Works Co. (Double Spindle & Variety Moulding Machine), 1234 Central av, Minneapolis, Minn.
Cordesman-Rechtin Co., Butler, Cincinnati, O.
De Loach Mill Mfg. Co., 318 Carter, Chattanooga, Tenn.
Defiance Machine Works, Defiance, O.
Fay J. A. & Egan Co., Cincinnati, O.
Greenlee Bros. & Co., Rockford, Ill.
Hall & Brown Woodworking Machine Co., 1911 N B'way, St. Louis, Mo.
Hermance Machine Co. (7, 8, 9, 10, 12 & 14 inches, four Side), Williamsport, Pa.
Marseilles Works of Deere & Co., East Moline, Ill.
Newman Machine Co. (For Outside Moulding), Greensboro, N. C.
Power L. & Co., 22 S 23d, Philadelphia, Pa.
Smith H. B. Machine Co., Smithville, N. J.
Victory Mach. & Lbr. Co., Inc., Buffalo, N. Y.
Vonnegut Machinery Co. ("Eaglefield" & "Vonnegut" Motor Driven), 43 S Meridian, Indianapolis, Ind.
Woods S. A. Machine Co. ("The Planers of Woods"), 27 Damrell, Boston, Mass.
Yates P. B. Machine Co., Beloit, Wis.

9471—Wood Paneling Machines

Hall & Brown Wood Working Machine Co., 1911 N B'way, St. Louis, Mo.

9472—Wood Paving Block Machines

Garland M. Co., Bay City, Mich.
Hunnell & Co. Inc., 136 Liberty, New York
Wheland Co., W Side & 27th, Chattanooga, Tenn.

9473—Wood Pipe Boring Machines

Hall & Brown Woodworking Machine Co., 1911 N B'way, St. Louis, Mo.

9474—Wood Polishing Machines

American Woodworking Machy. Co., Rochester, N. Y.
Defiance Machine Works (Belt, for Handles, Spokes, Rims, Felloes, etc), Defiance, O.
Elec. Rotary Mach. Co. (Electric Rotary Machine), 3825 W Lake, Chicago, Ill.
Fay J. A. & Egan Co., Cincinnati, O.
Greenlee Bros. & Co., Rockford, Ill.
Hermance Machinery Co., Williamsport, Pa.
Klotz Machine Co., Sandusky, O.
Nash J. M., 842 80th, Milwaukee, Wis.
Smith H. B. Machine Co. (Sand), Smithville, N. J.
U. S. Machinery Co., 136 Liberty, New York

Wood Printing Machines

See Box Board Printing Machines

Wood Pulp Wet Machines

See Wet Machines, Paper Mill

9475—Wood Ring & Valve Handle Machines

Oliver Machinery Co., 1001 Clancy av, Grand Rapids, Mach.
Pringle & Brodie, 566 Polk, Chicago, Ill.

9476—Wood Sawing Machines

Aeromotor Co., 2500 West 12th, Chicago, Ill.
American Sawmill Machinery Co., Hackettstown, N. J.
Appleton Mfg. Co. ("Appleton" Sliding & Tilting Table), Batavia, Ill.
Badger Gas & Gasoline Engine Co., Kansas City, Kans.
Baker Mfg. Co., Evansville, Wis.
Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Belle City Mfg. Co., Racine, Wis.
Billingsley P. L. Co., 427 Elm, Cincinnati, Ohio
Burlingame A. Co., 149 Commercial, Worcester, Mass.
California Saw Works, 721H Brannon, San Francisco, Cal.
Challenge Co. (Wood & Steel, Tilting & Sliding Table), Batavia, Ill.
Conner J. W. & Son, Orangeville, Pa.
CRESCENT MACHINE CO. THE, 512 Oak, Leetonia, O.
See adv index at end of book
Duplex Mfg. Co. (For Cord Wood), Superior, Wis.
Ellis Keystone Agricultural Works (Circular Saw), Pottstown, Pa.
Fairbanks, Morse & Co. (Type "Z" Engine Belted to a Tilting Table), 900 S Wabash av, Chicago, Ill.
Fay J. A. & Egan Co., Cincinnati, O.
Flint & Walling Mfg. Co. ("Star," Steel Frame), Kendallville, Ind.
Gehl Bros. Mfg. Co., West Bend, Wis.
Globe Co. (Circular & Pole Saw for Cord Wood), Sheboygan, Wis.
Gowanda Agricultural Works (Wood Mill with Jack), Gowanda, N. Y.
Grace C. M. & Co., Huntsville, Ala.
Greenlee Bros. & Co., 12th, Rockford, Ill.
Greenville Implement Co., Greenville, Mich.
Hall & Brown Wood Working Machine Co., 1911 N B'way, St. Louis, Mo.
Harriman Mfg. Co., Harriman, Tenn.
Heebner & Sons ("Daisy"), Lansdale, Pa.
Hemingway Machine Co., Lynn, Mass.
Hermance Machinery Co., Williamsport, Pa.
Hertzler & Zook Co., Dept. H, Belleville, Pa.
Howell R. R. & Co., 31st av, Minneapolis, Minn.
John Safety Saw Works ("Speed Saw Table"), 20 Stillman, San Francisco, Cal.
See adv index at end of book
Kline Lewis T., Alpena, Mich.
Knight Mfg. Co., 1514 Market, Canton, Ohio
Lyon Iron Works, Greene, N. Y.
Mereen-Johnson Machy. Co., 4400 Lyndale av, Minneapolis, Minn.
Messinger Mfg. Co. (Swinging & Sliding Table), Tatamy, Pa.
Newman Mach. Co. (Swing), Greensboro, N. C.
Ober Mfg. Co., Chagrin Falls, O.
Ohlen-Bishop Co., 931 Factory, Columbus, Ohio
Port Huron Engine & Thresher Co. (Sawing Only), Port Huron, Mich.
Smith & Pomeroy Windmill Co. ("Eureka"), Kalamazoo, Mich.
Taylor Iron Works & Supply Co., Macon, Ga.
Thompson Plow & Engine Works, Beloit, Wis.
U. S. Machinery Co., 136 Liberty, New York
Wadsworth Mfg. Co., 155 W. Congress, Detroit, Mich.
Wheland Co., W Side & 27th, Chattanooga, Tenn.
Weaver & Co. ("Champion"), New Oxford, Pa.
Wodsedalak Jos., Algoma, Wis.
Woods S. A. Machine Co. ("The Planers of Woods"), 27 Damrell, Boston, 27, Mass.

9477—Wood Sawing Machines (Circular)

Am. Saw Mill Machinery Co., Hackettstown, N. J.
Barnes W. F. & John Co., Rockford, Ill.
Hermance Machinery Co., Williamsport, Pa.
Johnson Safety Saw Works ("Speed Saw Table"), 20 Stillman, San Francisco, Cal.
See adv index at end of book
Kidder R. E. Co. (For Ripping & Cross Cutting), 33 Hermon, Worcester, Mass.

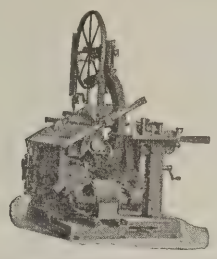
36″ Band Saw



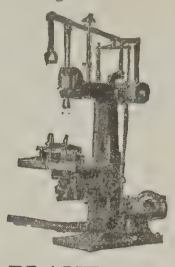
8″, 12″, 16″, 18″, 20″, 24″ Jointers



Universal Wood Worker



Boring Machine



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BAND SAWS, SAW TABLES, JOINTERS, SHAPERS, DISK GRINDERS, PLANERS, PLANER & MATCHERS, BORERS, HOLLOW CHISEL MORTISERS, VARIETY WOOD WORKERS, SWING SAWS, UNIVERSAL WOOD WORKERS.

THE CRESCENT MACHINE CO., 512 Oak St., LEETONIA, OHIO, U. S. A.

Lyon Iron Works, Greene, N. Y.
Mereen-Johnson Machy. Co., 4400 Lyndale av, Minneapolis, Minn.
Oliver Machinery Co., 1001 Clancy av, Grand Rapids, Mach.
U. S. Machinery Co., 136 Liberty, New York
Woods S. A. Machine Co. ("The Planers of Woods"), 27 Damrell, Boston, 27, Mass.
Worth Machinery Mfrs., 1727 SanFernando rd, Los Angeles, Cal.
Yates P. B. Machine Co., Beloit, Wis.

9478—Wood Sawing & Splitting Machinery

See also Kindling Wood Machinery

Baker Wm. H. ("Baker" Splitting), Trenton, N. J.
Billingsley P. L. Co., 427 Elm, Cincinnati, Ohio
Clark Foundry Co. (Splitting Only), Rumford, Me.
Deane Machine Co. ("Splitting Only"), Fitchburg, Mass.
Glascock Stove & Mfg. Co. ("Glascock" Wood Splitting), Greensboro, N. C.
Hall & Brown Wood Working Machine Co., 1911 N B'way, St. Louis, Mo.
Meier J. J. Machinery Co., 3412-14 Woolworth bldg, New York
Mereen-Johnson Machy. Co., 4400 Lyndale av, Minneapolis, Minn.
U. S. Machinery Co., 136 Liberty, New York
West Point Iron Works (Splitters), West Point, Ga.
Wheland Co. (Splitting), W Side & 27th, Chattanooga, Tenn.

9479—Wood Scraping Machines

Whitney Baxter D. & Son, Winchendon, Mass.

9480—Wood Screw Machinery

Cook Asa S. Co. (Complete Plant Equipment), Hartford, Conn.
Manville E. J., Machine Co., Waterbury, Conn.
Townsend H. P. Mfg. Co. ("Townsend"), Hartford, Conn.

Wood Shaping Machines

See Shaping Machines, Wood

9481—Wood Shaping & Variety Moulding Machines

Crescent Machine Co., The, 512 Oak, Leetonia, O. *See adv index at end of book*
Hall & Brown Wood Working Machine Co., 1929-33 N B'way, St. Louis, Mo.
Oliver Machinery Co., 1001 Clancy av, Grand Rapids, Mach.
Sidney Machine Tool Co., Sidney, O.
Woods S. A. Machine Co. ("The Planers of Woods"), 27 Damrell, Boston, 27, Mass.
Yates P. B. Machine Co., Beloit, Wis.

9482—Wood Surfacir g Machines

American Sawmill Machinery Co., Hackettstown, N. J.
American Woodworking Machy. Co., Rochester, N. Y.
Connell & Dengler Machine Co., Rochester, N. Y.
Cordesman-Rechtin Co., Butler, Cincinnati, Ohio
Crescent Machine Co., The, 512 Oak, Leetonia, O.
See adv index at end of book
Electric Rotary Machine Co. ("Electric Rotary Machine"), 3825 W Lake, Chicago, Ill.
Fay J. A. & Egan Co., Cincinnati, O.
Hall & Brown Wood Working Machine Co., 1911 N B'way, St. Louis, Mo.
Hermance Machinery Co., Williamsport, Pa.
Newman Machine Co., Greensboro, N. C.
National Woodworking Machine Co., Dover, N. H.
Oliver Machinery Co., Grand Rapids, Mich.
Orton Machine Co., 325 Fremont, San Francisco, Cal.
Power L. & Co., 20 S 23d, Phila., Pa.
Sidney Machine Tool Co., Sidney, O.
Stetson-Ross Mach. Co., 3204 1st av S., Seattle, Wash.
Strong, Carlisle & Hammond Co., 336-344 Frankfort av, N W, Cleveland, O.
Towsley Jno. T. Mfg. Co., 1037 Evans, Cincinnati, Ohio
U. S. Machinery Co., 136 Liberty, New York
Valley City Machine Works, Grand Rapids, Mich.
Whitney Baxter D. & Son (Single & Double Surfaces), Winchendon, Mass.
Woods S. A. Machine Co. ("The Planers of Woods"), 27 Damrell, Boston, 27, Mass.
Yates P. B. Machine Co., Beloit, Wis.

9483—Wood Tenoning Machines

American Woodworking Mach'y Co., Rochester, N. Y.
Barnes W. F. & John Co. (Hand Power), Rockford, Ill.
Cordesman-Rechtin Co., Butler, Cincinnati, O.
Defiance Machine Works (Chucking & Tenoning), Defiance, O.
Fay J. A. & Egan Co., Cincinnati, O.
Greenlee Bros. & Co., Rockford, Ill.
Hall & Brown Wood Working Machine Co., 1911 N B'way, St. Louis, Mo.
Hayes E. B. Machinery Corp. (Single & Double End), Oshkosh, Wis.
Heath W. A. Machine Co., Lestershire, N. Y.
Hermance Macinery Co., Williamsport, **Pa.**
Kane & Roach, Syracuse, N. Y.
National Woodworking Machine Co., Dover, N. H.
Oliver Machinery Co., 1001 Clancy av, Grand Rapids, Mach.
Power L. & Co., 20 S. 23d Phila., Pa.
Smith H. B. Machine Co., Smithville, N. J.
Strong Carlisle & Hammond Co., 336-344 Frankfort av, N. W., Cleveland, O.
Victory Mach. & Lbr. Co., Inc., Buffalo, N. Y.
Wilkin-Challoner Co. (Double End), Oshkosh, Wis.

9484—Wood Thread Cutting Machinery

Defiance Machine Works, Defiance, O.

9485—Wood Trimming Machines

Adams W. T. Machine Co., Corinth, Miss.
Crescent Machine Co. (The), 512 Oak, Leetonia, Ohio
See adv index at end of book
Giddings & Lewis Mfg. Co. ("G. & L." Air Lift), Fond du Lac, Wis.
Gilman & Son (Last), Springfield, Vt.
Hall & Brown Woodworking Machine Co., 1911 N B'way, St. Louis, Mo.
Lane Mfg. Co., Montpelier, Vt.
Lester & Wasley Co., Norwich, Conn.
Oliver Machinery Co., Grand Rapids, Mich.
Perkins & Co., ("Perkins" Bench Draw Stroke Trimmer), Grand Rapids, Mich.
Yates P. B. Machine Co., Beloit, Wis.

9485a—Wood Working Aeroplane Building Machines

Woods S. A. Machine Co., Boston, Mass. ("Planers of Woods"), 27 Damrell, Boston, 27, Mass.

9485b—Wood Working Machinery

See also the Specific Article Required

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Am. Sawmill Machy. Co. ("All Purpose," "American," Woodworker), 60 Main, Hackettstown, N. J,
American Wood Working Machinery Co., 591 Lyell av, Rochester, N. Y.
Andrew M. L. Co., Colerain & Alabama, Cincinnati, Ohio
Anthe Mach. Works, Covington, Ky.
Austin & Eddy, 117 Broad, Boston, Mass.
Bancroft & Barnard Co., Gardner, Mass.
Barnes W. F. & John Co., Rockford, Ill.
Bass Bros., 375 Rider, New York
Beach Mfg. Co., Montrose, Pa.
Bell Machine Co., Oshkosh, Wis.
Berry Machy. & Supply Co., 289 W. Santa Clara av, San Jose, Cal.
Billingsley P. D. Co. ("Flexway"), 427 Elm, Cincinnati, Ohio
Black Bros. Co. (The), Inc., Mendota, Ill.
See adv index at end of book
Bolinders Co. ("Bolinders"), 30 Church, New York
Briggs Machy. Co. (Dlrs.), 124-6-8 2nd av, Pittsburgh, Pa.
Buffalo Forge Co., 490 Broadway, Buffalo, N. Y,
Buss Machine Works, Holland, Mich.
California Saw Works, 721H Brannon, San Francisco, Cal.
Chase Turbine Mfg. Co., Orange, Mass.
Chattanooga Machinery Co., Belmont & Watkins, Chattanooga, Tenn.
Chicago Machinery Exchange (Wholesale), 1522 W 22d, Chicago, Ill.
Colladay Machine Works, Venango & Hope, Philadelphia, Pa.
Cordesman-Rechtin Co., 215 Butler, Cincinnati, Ohio
CRESCENT MACHINE CO. THE, 512 Oak, Leetonia, O.
See adv index at end of book
Curtis Machine Corp., Jamestown, N. Y.
Defiance Machine Works, Defiance, Ohio
De Loach Mill Mffg. Co., Chattanooga, Tenn.
Dodds Alexander Co., Grand Rapids, Mich.
Empire Machine Works, Mount Morris, N. Y.
Fay J. A. & Eagon Co., Oakley, Cincinnati, Ohio
Fischer Mfg. Co. (Cutter Heads), ft. of **Locust, Williamsport, Pa.**
Fisher & Davis Mfg. Co., 934 N First, St. Louis, Mo.
Fisher Machine Works (Box Making), 1845 Carroll av, Chicago, Ill.
Gallmeyer & Livingston Co. ("Valley City" & "Union"), Grand Rapids, Mich.
Garland M. Co., Bay City, Mich.
Goodspeed Machine Co., Winchendon, Mass.
Grammes L. F. & Sons, 311 Union, Allentown, Pa.
Green L. A., First National Bank bldg., Pittsburgh, Pa.
Greenlee Bros. Co. (Hollow Chisel Mortising, Multiple, Spindle Boring, Sawing, Tenoning, Gaining, Clamping & Special Car Shop, Cross Tie & Automobile Body Machines), 12th, Rockford, Ill.
Hall & Brown Wood Working Machine Co., 1911 Broadway, St. Louis, Mo.
Handy Mfg. Co., 29 E Madison, Chicago, Ill.
Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.
Hermance Machinery Co. Williamsport, **Pa.**
Holmes E. & B. Machinery Co., 59 Chicago, Buffalo, N. Y.
Hutchinson Mfg. Co., Inc. ("Beaver" & "Speedmarvel," Electric), 107 E. Lafayette, Norristown, Pa.
Huther Bros. Saw Mfg. Co., Rochester, N. Y.
INDUSTRIAL PLANTS CORP., 25 Church, New York
See adv index at end of book

(Continued on following page)

Wood Working Machinery—Cont.

Jenkins Machine Co., Sheboygan, Wis.
Jones Superior Mach. Co. ("Superior"), 1264 W North av, Chicago, Ill.
Knickerbocker Co. (Portable Woodworkers), Park & Liberty, Jackson, Mich.
Linderman Steel Machine Co., Muskegon, Mich.
McDonough Mfg. Co., Eau Claire, Wis.
Maddox Machine Co., 63H Main, Jamestown, N. Y.
Mattison Machine Works, Rockford, Ill.
MOLITOR CHAS. MACHINERY CO. 118-124 S Clinton, Chicago, Ill.
Nash J. M., 840 30th, Milwaukee, Wis.
New Advance Machinery Co., Van Wert, Ohio
New Britain Machine Co., New Britain, Conn.
Newman Machine Co., Greensboro, N. C.
Ober Mfg. Co., Chagrin Falls, Ohio
Oliver Machinery Co., 1001 Clancy av, Grand Rapids, Mach.
Olney Geo. H. & Co., Inc., 50 Church, New York
Olney & Warren, Inc., 295 Lafayette, New York
Parks Ball Bearing Machine Co., 1546 Knowlton, Cincinnati, Ohio
Porter C. O. Machinery Co., 666 Front av N W, Grand Rapids, Mich.
Power L. & Co., 20 S. 23rd, Phila., Pa.
Pringle & Brodie Machinery Co., 566 Polk, Chicago, Ill.
Pryibil P. Machine Co., 534 W 58th, New York
Root B. M. Co., York, Pa.
Shawyer Co., Springfield, Ohio
Sidney Machine Tool Co. ("Junior 30"), Sidney, Ohio
Silver Mfg. Co. ("Silver"), Box 256, Salem, Ohio
Sinker-Davis Co. ("Hoosier"), 230 S. Missouri, Indianapolis, Ind.
Smith C. W., Grand Rapids, Mich.
Smith H. B. Machine Co., Smithville, N. J.
Stetson-Ross Machine Co., 3204 1st av S., Seattle, Wash.
Strelinger Chas. A. Co. (Dirs.), 149 E Larned, Detroit, Mich.
Tannewitz Works, 333 Front N. W., Grand Rapids, Mich.
Trevor Mfg. Co., Lockport, N. Y.
Union Iron Works, Bangor, Me.
U. S. Machinery Co., 136 Liberty, New York
Vance J. A., Winston-Salem, N. C.
Victory Foundry & Machine Co., Inc., 419 Broadway, Buffalo, N. Y.
Vonnegut Machinery Co., 43 S Meridian, Indianapolis, Ind.
Wallace J. D. & Co., 1401 W. Jackson blvd, Chicago, Ill.
Wayne Machinery Co. (Dirs.), Ft. Wayne, Indiana
Wilkin-Challoner Co., Oshkosh, Wis.
Woods S. A. Machine Co., Boston, Mass.
Woodworkers Tool Wks. (Dirs.), 222 S Jefferson, Chicago, Ill.
Wysong-Miles Co., Greensboro, N. C.
Yates P. B. Machine Co., Beloit, Wis.

9486—Wood Working Machinery (Hand & Foot Power)

Aumen Machinery Co., 109 E. Lombard, Baltimore, Md.
Barnes W. F. & Jno. Co. (Circular Sawing Machines), Rockford, Ill.
CRESCENT MACHINE CO. THE, 512 Oak, Leetonia, O.
See adv index at end of book
Connell & Dengler Machine Co., Allen & Platt, Rochester, N. Y.
Elliott Woodworker Co., Congress & Brush, Detroit, Mich.
Hendley & Whittemore Co., Beloit, Wis.
McDonough Mfg. Co., Eau Claire, Wis.
Machinery Co. of America (Saw & Knife Fitting Machinery & Tools), Big Rapids, Mich.
Marston J. M. & Co., 226 Ruggles, Boston, Mass.
Passelino Bros. Furniture Mfg. Co., 1111 Harper, Detroit, Mich.
Redin, Ekstrom Co., Rockford, Ill.
See adv index at end of book
Silver Mfg. Co. ("Silver"), Box 256, Salem, Ohio
Toomey Frank Inc. (Dealers, Hand & Foot Power), 127 N 3rd, Phila., Pa.

9487— Wood Working Machines (Universal)

American Saw Mill Machinery Co., Hackettstown, N. J.
Bicknell Mfg. & Supply Co., Janesville, Wis.
Buffalo Forge Co. ("Crain"), Buffalo, N. Y.
CRESCENT MACHINE CO. THE, 512 Oak, Leetonia, O.
See adv index at end of book
Elliott Woodworker Co., Congress & Brush, Detroit, Mich.
Fay J. A. & Egan Co., Cincinnati, O.
Gallmeyer & Livingston Co. ("Valley City" & "Union"), Grand Rapids, Mich.
Hall & Brown Woodworking Machine Co., 1911 N B'way, St. Louis, Mo.
Hutchinson Mfg. Co., Inc., 107 E Lafayette, Norristown, Pa.
Parks Ball Bearing Mach. Co., Knowlton & Fergus, Cincinnati, O.
Rechtin Louis E & Bro. ("Crescent"), 215 Butler, Cincinnati, Ohio
Schaefer Mfg. Co. ("Berlin"), Berlin, Wis.
Sidney Machine Tool Co. ("Famous"), Sidney, O.
Stetson Machine Works, 3204 1st av, S Seattle, Wash.
Toomey Frank Inc. (Dealers), 127 N 3rd Phila., Pa.
Vonnegut Machy. Co., 43 S Meridian, Indianapolis, Ind.
Woods S. A. Machine Co. ("The Planers of Woods"), 27 Damrell, Boston, 27, Mass.

9488—Wooden Corking Machines

Redlich Mfg. Co. (Hand), 647 W Oak, Chicago, Ill.

Woolen Machinery

See Textile Machinery. For page number consult Index of Contents

9489—Woven Wire Bed Spring Machinery

See also Wire Mattress Machinery

Cavagnaro John J., Harrison, N. J.
Erlandsen Julius, 172 Centre, New York
Houchin-Aiken Co., 113 53d, B'klyn, N. Y.
Ivens Wm. H. Sons Co., P. O. Box 647, Trenton, N. J.
Lippert & Rhenstrom, Kenosha, Wis.
Wells Frank L. Co., Kenosha, Wis.

9490—Wrapper Cutting Machines

Shirk P. E., Blue Ball, Pa.

9490a—Wrapping Machines (Bread)

AMERICAN MACHINE & FOUNDRY CO., 5520 2d av, Brooklyn, N. Y.
Heysen Mfg. Co., Sheboygan, Wis.
Waterproof Paper & Board Co., 427 E 6th, Cincinnati, O.

9491—Wrapping Machines (Candy)

American Machine & Foundry Co., 5520 2d av, Brooklyn, N. Y.
Ideal Wrapping Machine Co. ("Ideal," Caramel), Middletown, N. Y.
Knott E. R. Machine Co., 32 Dorchester, Boston, Mass.

9492—Wrapping Machines (Chewing Gum)

Package Machinery Co., Springfield, Mass.
Redington F. B. Co., 112 S Sangamon, Chicago, Ill.

9493—Wrapping Machines (Fruit & Merchandise

Package Machinery Co., Springfield, Mass.
Pneumatic Scale Corporation (Ltd.), (Automatic for Cereals, Candy, Soap Powders, etc), Norfolk Downs, Mass.
Redington F. B. Co. (& Cartoning for Butter, Oleomargarine, Brick Ice Cream, Tooth Paste, Bottles & Special Requirements), 112 S. Sangamon, Chicago, Ill.

9494—Wrapping Machines (Rubber Mill)

Birmingham Iron Foundry ("Birmingham"), Derby, Conn.
Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn.
See adv index at end of book
Housatonic Mach. & Tool Co., Bridgeport, Conn.

9495—Wrapping Machines (Soap)

Package Machinery Co., Springfield, Mass.

9496—Wrapping Machines (Tire & Wire)

Angier Corp. (Fire & Hose), Framingham, Mass.
Miller Chas. E. (Tire), Anderson, Ind.
Pierce Wrapping Machine Co., 625 W Jackson blvd, Chicago, Ill.
Terkelsen & Wennberg ("T. W." Multiple), 328H, Boston, Mass.

9497-8—Wrapping Paper Machines

Beloit Iron Works, Beloit, Wis.

9499—Zinc Rolling Mill Machinery

BLISS CO. E. W., 53d & 1st av, Brooklyn, N. Y.
See adv index at end of book
Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn.
See adv index at end of book
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book

9500-1— Machinery Dealers

See also Mill & Factory Supplies

ALABAMA.

BIRMINGHAM—Birmingham Machine & Fdry Co.
Blount J. I. & Co.
Lehman Chas. T. (New & Second Hand)
Lum Geo. E. (New & Second Hand Engines, Boilers, Saw Mill & Mining Machinery, etc.)
McClary-Jemison Machy. Co.
Moore-Handley Hardware Co. (New Engines, Boilers, Saw Mill Machinery)
Shook & Fletcher Supply Co.
HUNTSVILLE—Grace C. M. (Engine & Boilers)
MOBILE—American Equipment Co.
Brown & Creary Supply Co., 8H St. Francis
Courtright & Whiting Supply Co.
McGowin Hardware & Supply Co.
Reliance Equipment Co.
Turner Supply Co. (New & Second Hand)
MONTGOMERY—Alabama Machinery & Supply Co. (Saw Mill Machinery)
Janney & Co.
Lum Machinery & Supply Co. (Engines, Boilers, Wood Working, etc)
SELMA—Bloch Bros.
Union Iron Works Co.

ARIZONA.

PHOENIX—Thayer Ezra W. (Engines, Mining Machinery & Agricultural Implements, etc)
PRESCOTT—Arizona Mine Supply Co. (Mining)

ARKANSAS.

LITTLE ROCK—Cox Thos. & Sons Machinery Co.
Rosenbaum C. E., Machinery Co.
Schaad Ben D., Machy. Co.
MORRILTON—DeLong Machinery Co.
STUTTGART—National Sales Co.
Whaley J. F. (Agricultural)

CALIFORNIA.

FRESNO—Concrete Machinery & Supply 1828 Los Angeles
LOS ANGELES—Advance Saw Works ("S & T" Ball Bearing), 339 E 2d, Los Angeles, Cal.
Arnott & Co. (Agricultural Only), 112 S Los Angeles
Bacon Edw R. C. (Contractors), 1920 Santa Fe av
Bodinson Mfg. Co., 335 S San Pedro
Brown-Bevis Co., Inc., 470 E 3rd
Buck & Stoddard, 323 Union Oil Bldg
California Equipment & Supply Co. (Contractors, Mining, Working, etc.), 205 N Los Angeles
California Machinery Co. (Oil Well Supplies, etc.), 5200 Santa Fe av
Coast Road Machinery Co., 465 E 3rd, Los Angeles, Cal.
Collins-Kay Machinery Co., 438 E 3rd, Los Angeles, Cal.
Concrete Machy. Supply Co. (Concrete Machy. & Supplies)
Construction Machinery Co., 453 E 2d
Davenport Implement Co. (Agr. Impls.), 110 N Los Angeles
De Long-Almquist Co., 502 E 3rd
Eby Machinery Co., 453 E 3rd
Essik & Co. (Concrete Machinery), 1928 Santa Fe av
Fairbanks-Morse & Co., 427 E 3rd
Fernholtz Machinery Co. (Clay Working Machinery), 2053 E 38th
See adv index at end of book
Forbes Bros. Co., 306 S. Los Angeles
Franklin Machy. & Supply Co. (Contractors), 1915 Santa Fe av
Fulton Engine Works (Engines, etc)
Harper & Reynolds Co., 152 N Main
Harris Engineering Co. (Mining), Haas bldg
Harron, Rickard, McCone (Machine Tools, Contractors, Wood Working & Mining Machinery), 225 S San Pedro
Hartwell R. M. Co., 329 E 2d
Henes Louis G. (Machine Tools, Shop Equipment & Elec. Cranes), 218 E 3rd
Herberts Machy. & Supply Co. (Mach. Shop & Oil Country Tools, Woodworking Supplies), 403 E 3rd
Hicks Frank A. (New & Used), 242 Central av
Jackson Byron Iron Works (Pumps), 336 E 3d
Jones Frank E. Machinery Co., Inc. (Machine Tools & Woodworking Machy.), 1401 Santa Fe av
Kimball Frank J. Co., 1860 E 15th
La Boyteaux C. E. (Construction Machinery), 424 E 3rd
Link-Belt Pacific Co., 161 N Los Angeles
Llewellyn Iron Works (Boilers, Engines, Pumps, etc)
McKain Mfg. Co., 921 Main N
Meese & Gottfried Co., 400 E 3rd
Moore Chas. C. & Co., Van Nuys bldg (Pumps, Mining & Mill Machinery)
Motor & Machinists' Supply Co. (Electrical), 230 S San Pedro
Oil-Mining Equipment Co., 2047 Santa Fe av

P. & H. Machine Shop, 312 S San Pedro
Petroleum Equipment Co., 1618 Santa Fe av
Rosenburg & Co., 336 E 3rd
Shaw, Palmer, Bakewell Co. (Engines, Pumps, Machine Tools, Wood-Working Machy.), 409-11 E 3rd
Smith-Booth-Usher Co.
United Iron Works
Western Dairy Supply Co., 729 E Washington
Western Machinery Exchange, Santa Fe av at 9th
Wigmore Jno. & Sons Co., 401 E 4th
OAKLAND—American Machine Works (new & used)
Bay City Iron Works (New & Used), 221 Wash
Coast Road Machinery Co., 4051 San Pablo av
RIVERSIDE—Parker Machine Works, 491 Mulberry
Wigmore John & Sons Co., 401 E 4th
SAN DIEGO—Hazard Gould Co.
Machy. Pipe Supply Co., 200 9th
Mayer Sidney E. Co. (New & Used)
Western Metal Supply Co.
SAN FRANCISCO—Bacon Edw. R. Co. (Contractors), Folsom at 17th
Bliss Duane L. J., Rialto bldg
Bodinson Mfg. Co., 11 Minna
Bullion Alfred H. Co. (Oil & Sugar Mill Machinery), 660 Howard
Bulotti C. F. Machinery Co. (Machine Shop & R R Supplies), 71 Main
California Hydraulic Engrg. & Supply Co. (Engines, Boilers, Pumps, Motors, etc.), 540 Howard
California Machinery Co. (Second Hand), 67H Beale
California Saw Works, 721 Brannan
Coast Supply Co., 390H Howard
Contractors Equipment Agency, 209 Balboa bldg
Dalmo Mfg. Co., 449 Bryant
Dreis Ed. J. Co. (Sheet Metal Machinery), 200 2nd
Eby Machinery Co. (Saw Mill & Wood Working Machinery), 35 Main
Engineering Products Co. (R. R. & Industrial), Rialto bldg
See adv index at end of book
Fairbanks, Morse & Co., 35 Harrison
Farnsworth Electrical Works, 549H Mission
General Machinery & Supply Co., 39 Stevenson
Hackley P. B. Equipment Co., 625 Market
Hampton Electric & Mfg. Co. (Electric Motors, Etc.)
Harron, Rickard & McCone (General, etc), 139 Townsend
Henes Louis G. (Machine Tools, Shop Equipment & Electric Cranes), 75 Fremont. (See also Los Angeles)
Herberts Machinery & Supply Co., 148 1st
Honolulu Iron Works Co., 310 Sansome
Hunt Mirk & Co., Inc. (Power Plants, etc.), 141 2nd
Jardine Machinery Co., 115 Main
Lawson F. A., 525H Market
Leland Walter S. (Power Plant Installation), Balboa bldg
Link-Belt Pacific Co., 165 2nd
Livermore Norman B. & Co. (Railway Contractors & Excavating Machy.), 85 2nd
Mine & Smelter Supply Co., Mills Bldg
Moore Chas. C. & Co. (Power Mining, Lighting & Pumping), Sheldon bldg
Pacific Coast Machinery Co. (Second Hand), 140 Howard
Pacific Coast Supply Co. (Paper & Pulp Mill Machy.), 335H Sacramento
Pacific Pump & Supply Co., 420 Bryant
Porter R. C., 1 Drumm
Reardon P. H., 57 First
Ricker Machinery Co., Monadnock bldg
S. F. Steel Products Co., 44 Natoma
Scovel Iron Store Co., 754 Howard
Simpson A. H. Co. (New & Used), 129 Fremont
Singer, Smith & Co., 637 Mission
Smith-Booth-Usher Co., 50 Fremont
Smith Stuart S. Co. (Municipal & Contractors' Equipment), 625 Market
Snow & Galginni, 537H 2nd
Stallman F. O. Supply Co., 173 First
Tay G. H. Co., 165 8th
United Commercial Co., 234 Steuart
U. S. Machinery & Steel Co., 136 Townsend
Voegtly Wm. N. Jr., 625 Market
Wagner Jos. Mfg. Co. (Flour Mill, etc), 165 Beale
Ward Fred & Son, 170 1st
West Coast Equipment Co. (Construction Machy.), Hearst bldg
Woodin & Little (Steam Pumps, Gasoline Engines, etc), 33 Fremont
Worden W. H. Co., 126 Pine
Young A. L. Machy. Co. (Woodworking & Road & Contracting Machy.), 26H Fremont
SAN JOSE—Berry Machy. & Supply Co., 289 W Santa Clara av

COLORADO.

DENVER—Denver Engineering Works Co.
Denver Metal & Machinery Co. (Jobbers), 1300 Larimer
Hendrie & Bolthoff Mfg. & Supply Co. (Electrical, etc.), 1639 17th
Mine & Smelter Supply Co. (Engines, Boilers, Pumps, etc), 17th & Blake
Moore H. W. & Co., 1761 Wazle
Morse Bros. Machinery & Supply Co. (Mining Machinery, Hoisting Engines, etc), 1732 Wazle
Stearns-Roger Mfg. Co., 1720 Calif.
LEADVILLE—McCarty & Moore
PUEBLO—Pueblo Brass & Iron Foundry

CONNECTICUT.

BRIDGEPORT—Eaton John A. (Second-Hand)
Gledhill & Co. (Second-Hand), 19 Union sq
Lucas J. L. & Son Inc. (New & Used)
Nilson A. H. Mach. Co., 55 William
HARTFORD—Pickering W. H. & Co., 92 Outlook
PRENTISS HENRY & CO., INC., 902 Main
Purinton & Smith Co.
NEW HAVEN—Botwinik Bros. (New & Used), 21 Sylvan av
Standard Machinery Co. (New & Used), 419 Chapel
PLAINVILLE—Ideal Switch & Machy. Co., Inc.
WATERBURY—Waterbury Scrap Iron Co. (Second-Hand)

DELAWARE.

WILMINGTON—Delaware Electric & Supply Co. (Engines, Pumps, etc)

DISTRICT OF COLUMBIA.

WASHINGTON—Columbia Pump & Well Co., 522 12th, N W
National Electrical Supply Co. (Machinery, Pumps, Engines, Dynamos, etc), 1330 N. Y. av.

FLORIDA.

JACKSONVILLE—Cameron & Barkley Co.
Christopher J. G. Co.
Consolidated Engineering Co. (Elec. Machy.), Dept. H
Farquhar Machinery Co.
Maisby Machinery Co.
LAKE CITY—Johnson L. W.
LAKELAND—Pinch Co. (Electrical)
OCALA—MacKay Geo. & Co. (Engines, Boilers, Pumps, Phosphate Machinery, etc.), Dept. H
PENSACOLA—Gulf Mach. Wks. (Second-Hand)
TAMPA—Cameron & Barkley Co.
Johnson Joe B. (Engines, etc)
Parcell F. S.

GEORGIA.

ALBANY—Albany Mill Supply Co.
ATHENS—Athens Foundry & Machine Works
ATLANTA—Am. Machy. Co. (Farm), 67 So. Forysth
Armstrong R. S. & Bro. (New & Second-Hand Air Compressors, Engines, Boilers, Electrical Iron & Woodworking)
Avery & Co. (Saw Mill, etc)
Bailey-Burruss Mfg. Co.
Cotton States Belting & Supply Co.
Fulton Supply Co., 70 Nelson
Maisby Co. (Engines, Boilers, Saw Mill, Machinery, etc)
Seeger Machine Tool Co., 34 S Forsyth
Seeger-Walraven Co.
Southern Constr. & Supply Co. (Ice & Refrigerating), 116 Central av
Southern Machinery Co. (Farm)
Thomasville Iron Works Inc. (Sugar Cane, Saw Mill Machy., etc.)
Walraven Co., The, 36-38 W Alabama
AUGUSTA.—Lombard Iron Works & Supply Co. (Engines, Boilers, Saw Mills, etc)
BRUNSWICK—United Supply Co.
COLUMBUS—Columbia Iron Works
DALTON—Hardwick W. M.
ELBERTON—Lunsford G. A. & Sons
MACON—Schofield's J. S. Sons Co. (Engines, Pumps Saw Mills, etc)
Taylor Iron Works & Supply Co. (Gasoline & Oil Engines, Boilers, Mill Machinery, etc)
ROME—Battey Machinery Co. (Engines, Boilers, Gin & Saw Mill Machinery)
Rome Machine & Foundry Co.
SAVANNAH—Georgia Supply Co. (New)
Rourke Jno. & Sons
Savannah Supply Co. (Engines, Boilers, etc)
THOMASVILLE—**Thomasville Iron Works, Inc.**

ILLINOIS.

BLOOMINGTON—**Constant B. S. Mfg. Co.**
Keiser-Van Leer Co. (Engines, Pumps. Boilers, etc)
BRIDGEPORT—Illinois National Supply Co.
CAIRO—Reed Hardware & Mfg. Co. (Iron Working Tools, etc.)
CASEY—Illinois National Supply Co.
CHICAGO—Alton Iron & Metal Co., 2122 S Loomis
Anderson Chas. L. Machy. Co., 2256 W Walnut
Austin & Western Road Machinery Co. (Road-Making, etc), 400 N Michigan av
Barber A. H. Goodhue, 300-06 W Austin av
Barry Bert B., 30 N Michigan av
Besly & Co., Chas. H., 570 W Randolph
Campbell-Bosworth Machy. Co., 18 S Market
Chicago Brick Machy. Co., 2825 W Harrison blvd
Chicago Engineer Supply Co., 68 W Lake
Chicago Machinery Exchange (Woodworking Machy.), 1522 W 22nd
Chicago Pulley & Shafting Co. (Power Transmission), 40 S Clinton
Dickow Fred C. (Machine Tools), 2105 W Lake
Economic Machinery Co., 53 W Jackson blvd
Electrical Machinery Sales Co., 608 S Dearborn
Ellis R. E. Engineering Co., 549 Washington blvd
Essley E. L. Machinery Co. (Machine Tools, etc.), 555 Wash'n blvd
Federal Machinery Sales Co., 12 N Jefferson
Gregory Electric Co. (Electric), 1601 S Lincoln
Harris Bros. Co., W 35th & Iron
Harris Sam'l & Co. (Machine Shop Machinery, Tools, etc), 114 N Clinton
Henion & Hubbell (Pumps, Steam, Power, Electric, Hand, etc), 219 N Jefferson
Hill, Clarke & Co. of Chicago (New Remanufd. Machinery), 625 Washington blvd
Latham Machinery Co., 1153 Fulton
Louer W. B. Co. (Contractors), 11H E Harrison
Machy. Warehouse Co., 1455 W 38th
Manning, Maxwell & Moore, Inc., 27 N Jefferson
See adv index at end of book
Marshall & Hushcart Machinery Co. (Machine Tools), 17 S Jefferson
Mayer F., 53 W Jackson
MOLITOR CHAS. MACHINERY CO. (Iron & Brass Working Woodworking & Tinners Machy., New & Used), 118-124 S Clinton
Moore Bros. Crane Co., 39 S La Salle
Read Machinery Co., 443 S Dearborn
Ryerson Jos. T. & Son, Inc., 2558 W 16th
See adv index at end of book
Scully-Jones & Co., 647 Railway Exc. bdg
Scully Steel & Iron Co. (Heavy Machy.), 2364 S Ashland av
Stocker-Rumley-Wachs Co., 117 N Jefferson
Vulcan Engineering Sales Co., 1764 Elston av
Wanner Machy. Co. (Printing Machines), 716 Dearborn
White A. D. Machinery Co. (Machine Tools & Machy.), 108 N Jefferson
Williamson H. C., 321 N Crawford av
Woodworkers Tool Works, 222 S Jefferson
CHICAGO HEIGHTS—Gordon Supply Co.
Wallace C. E. & Co. (New & Second Hand)
ELGIN—Hawthorne Hardware Co.
LAWRENCEVILLE — Illinois National Supply Co.
MENDOTA—Black Bros. Co. (The), Inc.
See adv index at end of book
Mendota Mfg. & Transfer Co.
PEORIA—Armstrong Jas. C. Machine & Fdry. Co. (Engines, Pumps, etc)
QUINCY—Hollister-Whitney Co.
ROCKFORD—Greenlee Bros. & Co., 12th
SPRINGFIELD—Ansell Oscar & Son
TAYLORVILLE—Baughman Bros. (Agricultural)

INDIANA.

EVANSVILLE — Evansville Supply Co. (New, Engine, Boiler & Power Transmitting, Machinery, etc), 306 1st av
Grote F. Mfg. Co., 120 3rd av
FORT WAYNE—Mossman, Yarnelle & Co. (New, Engines, Boilers, etc)
National Mill Supply Co. (Engines, Boilers, etc.)
Wayne Machy. Co.
INDIANAPOLIS—Bock Equipt. Co., 1900 Northwestern av
Drava-Doyle Co., 816 Merchants Bank bldg
Dunning Carl Supply Co.
Kenney Machy. Co. (Agricultural Mach.), 301 W Maryland
Van Camp Hardware & Iron Co. (Engines, Boilers, etc), 401 W Maryland
Vonnegut Machinery Co. (Machine Tools, Power Transmission Machinery, Electric Motors, Machine Shop Equipment, Woodworking & Second Hand Machinery)
LAFAYETTE—**Reule Fred Inc.**
MARION—**Marion Machine, Foundry & Supply Co. (Engines, Boilers Tanks, etc)**

IOWA.

CEDAR RAPIDS—Fawcett C. E. (Electrical, Iron & Woodworking)
DES MOINES—Globe Machinery & Supply Co. (Engines, Boilers, Pumps, etc)
Iowa Machinery & Supply Co.
MARSHALLTOWN—Lennox Machine Co. (See Chicago, Ill.)

(Continued on following page)

Machinery Dealers—Continued

IOWA—Continued

OTTUMWA—McDaniel C. E.
TIPTON—Tipton Hardware Co.
WATERLOO — Chamberlain Machine Works (Gas Engines)

KANSAS.

ENTERPRISE—Ehrsam J. B. & Sons Mfg. Co.
INDEPENDENCE—National Supply Co.
LEAVENWORTH—Fisher Machine Works Co.
WICHITA—Western Iron & Foundry Co.

KENTUCKY.

LOUISVILLE—Brandies Machinery & Supply Co., 331 W Main
Graft-Pelle Co. (Pumping Machinery), 111 N 3rd
Grainger & Co.
Morton E. D. & Co. (Machine Tools, Power Transmission, etc), 516 W Main
Pyne Co.
Vogt H. Machine Co. Inc.
OWENSBORO—Gunther Hardware Co.

LOUISIANA.

JEANERETTE—Fay Bros.
MONROE—Weaks Supply Co.
NEW ORLEANS — American Hoist & Derrick Co., 712 Union
Baldwin A. & Co., Ltd., Camp & Common
Boland Machine & Mfg. Co. (Drainage, Irrigation Pumps, etc.), 1006 Tchoupitoulas
Cudlip Belting & Machinery Co., 317 Tchoupitoulas
Fairbanks Co., Camp & St. Joseph
Globe Supply & Machinery Co., 627 S. Peters
Haubtman & Loeb Co. Ltd. (Engines, Boilers, Pumps, etc., New & Second Hand), 618 Magazine
Lockett A. M. & Co. Ltd. (Engines, Boilers, Pumps, etc.), 533 Baronne
McArdle P. H., 633 Carondelet
Menge Pump & Machy. Co., 826H Tchoupitoulas
Murphy Jno. H. Iron Works (Engines, Boilers, Pumps, & Sugar & Machinery, etc), 643 Magazine
Patterson C. T. Co. (Ltd.), 801 Tchoupitoulas
Southern States Equipment Co. (Second Hand), 712H Hennen bldg
Transmission Machiuery Co., 1146H Tchoupitoulas
Whitney Supply Co., 418 S. Peters
Woodward, Wight & Co. (Ltd.), Howard av & Constance
SHREVEPORT—Henderson W. K. Iron Works & Supply Co.

MAINE.

PORTLAND—Dunn M. E., 105 Wash. av
Portland Co. (Engines, Boilers & General Machinery)

MARYLAND.

BALTIMORE—Aumen Machinery Co. (Iron & Woodworking Machinery, Engines, Boilers, Pumps & Power Transmission Machinery), 109 E Lombard
Boston Iron & Metal Co. (Second Hand Machinery, Boilers, Pumps, etc.), Pratt & Fremont
Carey Machinery & Supply Co. (Engines, Pumps, etc., Metal & Woodworking Machinery), 119 E Lombard
Coggins & Owens, 19 S Charles
Crook, H. E. Co. Inc. (Engines, Boilers, Pumps, etc), 28 Light
De Ved & Sons Sash Weight Co. (Second-Hand), 807 So Howard
Elphinstone D. C., 406 Continental bldg
Kemp Machinery Co., 215 N Culvert
Kries Henry A. & Sons Co., 8 W Lombard
Mallory Machinery Co. (Engines, Boilers, Pumps, Machine Tools, etc), 522 Light
Maryland Equipment Supply Co., Equitable bldg
Meyer Henry H. Co. (Engines, Boilers, Pumps & Contractors' Machinery, etc), 110 S Howard
See adv index at end of book
Stebbins Wallace & Sons (Engines, Pumps, Boilers, etc), 100 S Charles
Zies Chas. & Sons Co. (Engines, Pumps, & Butchers' Machy., etc), 320 S Fremont av
CUMBERLAND—McKaig Merwin
SALISBURY—Greer R. P. & Sons Co. (Engines, Boilers, Saw Mills, Power Transmitting Machy., etc.)

MASSACHUSETTS.

BOSTON—Andren Karl Co. (Power Equipment, Steam & Electrical), 148 Pearl
Beal Joseph & Co. (Machsts' Tools), 465 Atlantic av
Byers & Smith, 105 Haverhill
Cutter & Wood Supply Co. (Machinists' Tools, etc.), 274 Friend
Elpert H. (New & Used, Electrical), 398 Atlantic
Eyelet Tool Co. (Eyeleting), 190 Dorchester av
Factory & Mill Supply Co. (Metal Trades Machinery), 137 Oliver
Fairbanks Co. (Machine Tools, Machinery, etc), 42 Pearl
Firth Wm. (Textile), 200 Devonshire
Fitzgerald W. H. J. & Co. (Metal Trades Machinery), 261 Franklin
Hill, Clarke & Co., Inc. (Machine Tools, etc), 156 Oliver
Jarvis Engng. Co. (Engines, Boilers, etc), 261 Franklin
Lynd-Farquhar Co. (Machine Tools), 419 Atlantic av
McLaughlin Geo. G. Mfg. Co., 24 Washington, N
Manning, Maxwell & Moore, 10 High
See adv index at end of book
Moore Frank K. Co. (Woodworking), 49 Federal
Morton A. M. & Co. (Engines, Boilers, etc), 25 Washington
Myerson Joseph (Electrical & Transmission), 411 Atlantic av
Perrin, Seamans & Co., 57 Oliver
PRENTISS HENRY & CO. (New & Second-Hand Machine Tools), 49 Federal
Ridlon Frank Co. (New & Second Hand Dynamos, Motors, Engines, Pumps, etc.), 251 A
Riley C. E. Co. (Textiles, 161 Devonshire
Sampson Geo. H. Co. (Rock Drills, Air Compressors, etc), 65 Oliver
Supple Francis (2nd Hand), 330 Atlantic av
Tate & Fisher, 258 Washington
Taylor Machinery Co., 261 Franklin
Waldo Bros. & Bond Co. (Engines, Pumps, Contrs.' etc.), 181 Congress, Dept. H
Werby Benjamin Co. (Second Hand & Motors), 81H Haverhill
BROCKTON—Kimball Bros. & Sprague,
GREENFIELD—Webster F. I. Co. (Agricultural)
LOWELL—Adams J. T. & M. J., 46 Leverett
Bartlett W. T. S. (Metal Woodworking Power Transmissions, etc)
ORANGE—Chase Turbine Mfg. Co. (Engines, Boilers, etc)
PITTSFIELD—Howard Frank (Agricultural Machinery
Robbins, Gamwell & Co. (Engines, Pumps, etc)
SPRINGFIELD—Bacon-Taplin Co. (Engines, Agricultural Implements, etc), 53 Hillman
Hannon-Finton Co. (New & Second-Hand Engines, Boilers, Pumps, Machy., etc)
Russell Jno. W. & Sons Co. (New & Second Hand Engines, Shafting, Pulleys, etc)
Stacy E. S. Supply Co., 43 Taylor
WORCESTER—Brierly Lombard Co., 665 Main
Fairbanks G. L. & Son (Engines, Pumps, etc.), 166 Union

MICHIGAN.

ALMA—Montigel J. M.
ALPENA—Kline Lewis T.
BAY CITY—Baird W. J. Machy. Co.
Meister R. & Son
DETROIT—Cadillac Machy. Co., 452 Lafayette E
English & Miller Machy. Co., Majestic bldg
Fales C. E. Machinery Co., Kerr bldg
Jefferson Iron Wks. Co., 548 W Jefferson av
Kerr Machinery & Supply Co., 100 Beaubien
Peninsula Machy. Co., 431 E Jefferson
Mitshkun M. Co. (Engines, Boilers, Pumps, etc), 985 Dix
Riverside Machinery Depot (New & Second Hand), 251 St. Aubin av
Strelinger Chas. A. Co. (Machine Tools, General Machinery & Shop Supplies), 149 E Larned
Stickley E. B. Machy Co. (New & Used Metal Working Machinery), 693 E Congress
Wayne Scrap Iron & Metal Co., 522H S Campbell av
GRAND RAPIDS—McMullen Machine Co.
LANSING—Michigan Supply Co.
SAGINAW—Bartlett A. F. & Co. (New & Second Hand)
Heginbottom S. H. & Sons
Jackson & Church Co.

MINNESOTA.

DULUTH—Duluth Machinery Co.
MINNEAPOLIS—Bousted Elec. & Mfg. Co., 18 E Hennepin
Harris Machinery Co. (Engines, Boilers, Pumps, Wood & Iron Working Machinery), Washington & Univ., S E
Howell R. R. & Co., 31st av
Manufacturers Supply Co., 2407 University, S E
Northern Machinery Co., 503 S 6th
Power Equipment Co. (Grain Handling etc) 212 3rd av. N
Sanford Chas. E. & Co., 202 Washington av. N
ST PAUL—Robertson J. G., 2542 University av
Robinson, Cary & Sands Co., Fourth & Wacouta
Russell-Newman Supply Co., Hampden av & Charles
Whiteacre R. B. & Co. (Engines, Boilers, etc)

MISSISSIPPI.

CORINTH—Adams W. T. Machine Co.
HATTIESBURG—Komp Machinery Co., H, East Pine
MERIDIAN—General Supply & Machy. Co., Hyde Chas. J.

MISSOURI.

JOPLIN—Landreth Machinery Co.
United Iron Works Co. (Engines, Boilers, Pumps & Mining Machinery)
KANSAS CITY—Brunner H. J. Hardware & Machine Supply Co. (Iron & Woodworking Tools), 1512 Grand
Creamery Package Mfg. Co., 1408 W 12th
English Tool & Supply Co.
Equipment Co. (Machine Tools, etc), 1531 Walnut
Great Western Mfg. Co., 1400 W 12th
Independent Electric Machinery Co., 1917 Central
Phillips Victor L (Contractors), 7th & Delaware
Standard Machine Tool & Supply Co. 1st & Main
ROCKVILLE—Meyer Jas. S.
U. S. Water & Steam Supply Co.
Walker W. S. (Importer)
ST. JOSEPH—Richardson Geo. O. Mach'y Co.
ST. LOUIS—Barry-Wehmiller Machinery Co., 4660 Florissant
Brown-McDonald Machinery Co. (Engines, Boilers, Metal & Woodworking Machinery), 2323 N 9th
Campbell Iron Co., 809-19H Cass av
Colcord-Wright Machinery & Supply Co., Machine Tool & Machinery), 1223 to 1229 N B'way
Ellison Wm. & Sons Mfg. Co.
Fisher & Davis Mfg. Co. (Engines, Boilers, Pumps, etc.), 934 N 1st
Fulton Iron Works Co., 1259 Delaware av
Gruendler Patent Crusher & Pulverizer Co., 982 N Main
See adv index at end of book
Hall & Brown Woodworking Machine Co. (Woodworking Machinery), 1911 N B'way
Johnson Wm. C. Sons Mach. Co
McDonald Machinery Co., 1531 N Broadway
Manning, Maxwell & Moore, Inc. (All Kinds), Railway Exchange bldg
See adv index at end of book
Mid-Continent Equipt. & Machy. Co. (& Second Hand), Security bldg
P.-K. Engineers, 1724 Pine
Ramming John Machine Co., 300 S Main
Reeves & Skinner Machinery Co., 2211 Olive
St. Louis Belting & Supply Co., 509 S 4th
Sligo Iron Store Co. (Woodworking), 6th & O'Fallon
Teuscher & Son, Machy. Supply Co. (Second Hand Power Transmitting), 801 N 2nd
Wilson H. R. Mach'y Co. (Second-Hand), Federal Reserve Bk. bldg
Zelnicker Walter Supply Co. (Second Hand Saw Mills, Engines, Boilers, Cranes, Power Plant & Contr. Equip., Locomotives, etc.), 325 Locust
SEDALIA—Barley Thomas K.

MONTANA.

ANACONDA—Anaconda Copper Mining Co.
BILLINGS—Connelly F. B. Co., 423 North Broadway
BUTTE—Anaconda Copper Mining Co.
Montana Hardware Co.
HELENA—Holter A. M. Hardware Co.
KALISPELL—Kalispell Mercantile Co. (Pumps, Boilers, etc.)

NEBRASKA.

OMAHA—Sunderland Machinery & Supply Co.
U. S. Supply Co.

NEW HAMPSHIRE.

LANCASTER—Thompson Mfg. Co.

NEW JERSEY.

BAYONNE—Hudson Iron & Metal Co. (Second Hand), E 33rd
JERSEY CITY—Bertolette Mach. Tool Co. (New & Second Hand), 357 West Side av
Industrial Machinery Corp. (New & Second-Hand), 147 Provost
Power Machinery Exchange, Inc. (Second Hand), 1 Montgomery
Wickes Machinery Co. (Dynamos & Motors, Engines, Boilers, Pumps, etc.)
NEWARK — Brown Hunkle Corp., 26H Mechanic
Davis Mach. & Motor Co., Inc., (Second-Hand Motors), 59 Mechanic
Machinery & Equipment Co., Inc. (Second-Hand Chemical), 225 Sherman av
Millington & Bradshaw (New & Second Hand Engines & Machinery) 69 N J RR av
Morris Machy. Co., 95 Chestnut

New Jersey Machinery Exchange, 21 Mechanic
Skinner & Leary Co. (Engines, Gearing, etc), 109 Mechanic
Walsh's Sons & Co. Inc. (Engines, Boilers, Pumps, etc.), 295-305 Passaic
NEW BRUNSWICK—Simplex Automobile Co.
Tidey M. B. (Woodworking Machinery, etc.) 80 Warren
PATERSON—Van Winkle J. A. Co., 395-405 Passaic (Engines, Boilers, etc.)
PHILLIPSBURG— Gibney Iron & Steel Co. (Second-Hand Boilers, Engines Pumps, etc.)
TRENTON—Ivens Wm. H. Sons Co. (Engines, Boilers, etc, New & Second Hand), P. O. Box 647
Mach. & Tool Equip. Co., 319 Perry
Manufacturers Selling Co. (Second-Hand Electric Motors, Engines Pumps, etc)

NEW YORK.

ALBANY—Nicholson Aaron
Simmons Machine Co., Inc., 987 B'way
BATAVIA—Gray Machine & Parts Corp., Dept. H
BINGHAMTON—Gaylord & Eltapence Co. (Engines, Boilers, etc.)
Shapley & Wells
BROOKLYN—See New York City, (Borough of Brooklyn)
BUFFALO—Beals, McCarthy & Rogers (Grinders, Shears, Punches, Welding Outfits, Annealing Furnaces, etc.), 44 Terrace
Buffalo Tool & Supply Co. (Wood Working Machines, Steam & Gas Engines, etc.), 22 Henry
Hirshman W. F. Inc. (Bakery, Chemical, Paint, Ventilating, Elevating & Conveying, etc.), 92H Main
Lenahan Frank & Son, 53 Fulton
Osgood Tool Co. J. E.
Osgood J. L. Tool Co.
PRENTISS HENRY & CO. (New & Second-Hand Machine Tools), Morgan bldg
Root Neal & Co. (New & Second Hand Pumps, Compressors, Machinery, Conveying, Elevating & Power Transmitting Appliances), 178 Main
Ullman, Jacob, 84 Oneida
Whitman Machine Co., 178 Ohio
CORTLAND—McKee J. L. Supply Co.
KINGSTON—Lawton Wm.
MIDDLETOWN—Coleman Galen (Engines Boilers, Mill & General Machinery, etc.)

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Briggs Marvin Co., 167 6th
Brown Jas. H. (And Second-Hand Machinery), 139 Third av
Houchin-Aiken Co., 113 53d
Kasper & Koetzle Hardware Co., Inc., 565 Bushwick av
Reliabuilt Motors Co. (Engines Only), 4H Leo pl
Thompson-Bonney Co. (Elect), 18 Henry

Boroughs of Manhattan and Bronx.

NEW YORK—Affleck Geo. E. (Iron & Brass Working Machy.), 116 Nassau
American Machinery Exchange, 217 Centre
Anaconda Copper Mining Co., 25 B'way
Archer & Baldwin (Electrical, etc), 114 Liberty
Bacon Earle C., Inc. (Rock Crushers), Hoisting & Mining Machinery, 26 Cortlandt
Bender Geo. (Second Hand Electric), 128 Center
Borne Chas. A. Co. (Electric), 78 Watts
Brearley H. P. (Second Hand), 90 West, New York
Bronx Derrick & Tool Co. (Second Hand), 143rd & Southern blvd
Buchanan C. G. Co., 90 West
Calleson C. A., 50 Church
Coats Mach. Tool Co., Inc. (Export), 110 W. 40th
Columbia Machinery Exchange, 222 Centre
Consolidated Machine Tool Corp. of Amer., 17 E 42nd
See adv index at end of book
Consolidated Products Co., 15H Park Row
Donegan & Swift (Engines, Boilers, Pumps, Blowers, etc), 132 Nassau
Dooley-Killian Co., Inc. (Second-Hand), 26 Cortandt
Eagle Machinery Co. (Metal Working), 154 Centre
Foss Geo. F. Machy Co., 174 Lafayette
Freidus Mchy. Co., Inc., 174 Centre
See adv index at end of book

Freidus Machinery Co., Inc.
174 Centre Street, New York City
Metal and Woodworking Machinery
Power Transmission Equipment.
NEW AND USED
Single Tools and Entire Plants Bought for Cash

Garrett W. D. & Co. (Machine Tools & Woodworking Machinery, etc), 126 Liberty
Gelb J. & Co. (Second-Hand), 203 Centre
Godfrey Keeler Co. (Engines, Boilers, Pumps & Blowers), 70 Warren
Hill, Clarke & Co., 136 Cedar
Hoisting Machy. Co., 50 Church
Hubbard-Floyd Co., Inc. (Contractors Only), 452 Lexington av
INDUSTRIAL PLANTS CORP., 25 Church
Kalb Adam, 162 Grand
Kaufman Machinery Co. (Second-Hand), 89 Center
Kelley E. B. Co. (Concrete), 130 W 42d
Klein Nathan & Co. (Dynamo & Motors), 208 Center
Leaf E. B. Co., 50 Church.
Lebedjeff V. V. Eng. & Sup. Co., 370 Greenwich
Lamberg A. & Co. (Second-Hand), 243 Centre
Litho Stone & Machinery Co., 494 Broome
Ludeman Edwin H. (Power Plant Equipment, Engines & Boilers), 165 B'way
MacGovern & Co., Inc. (Electric, Steam, etc.), 114 Liberty
Machinery Utilities Co. (Chemicals), 501 Fifth av
Macwatty D. & Co. (Engines, Boilers, Pumps, etc), 97 Wooster
Manhattan Machinery Exchange (Second-Hand), 30 Church
Manning, Maxwell & Moore, Inc., 100 E 42nd,
See adv index at end of book
Master Mach. Wks., 70 W 40th
Midgley & Prentice, Inc. (Second-Hand), 30 Church
Miller Thos. C. (Motors, Dynamos, Fans), 78 Bible House
Mine & Smelter Supply Co., 42 B'way
Montgomery & Co. (Machinery & Tools), 64 Reade
Moore Chas. C. & Co. (Pumps, Mining & Mill Machinery), 50 Church
Morey & Co., Inc., 410 Broome
Olney & Warrin (Machinery, Tools & Supplies), 295 Lafayette
Parmele, Chas. L., 50 Church
Pipe & Contractors Supply Co. (Second-Hand), 3 Dover
PRENTISS HENRY & CO., INC., 149 Broadway (Hartford, Conn.; Buffalo, Rochester, Syracuse, N. Y.; Boston, Mass.)
Prichard C. W. Co., Inc. (New & Used), 50 Church
Rich & McLean (Printers Second-Hand), 73 Beekman
Richards & Hirschfeld Inc., 50 Church
Salzberg H. E. Co., Inc. (Second-Hand Electric), 30 Church
Schoonmaker, A. G. & Sons (New & Second Hand), 26 Cortlandt
Schramm Chris. D. & Son, Inc., 54 Dey
Steib & Duttweiler, Inc. (Brush-making, etc), 79 Wall
Sullivan Jno. W. Co. (Engines), 827 E 9th
Terminal Machine Co., 182 Centre
Tracy Frank (Power Transmission), 202 Centre
Vandyck, Churchill Co., 52 Vesey
Victor Machinery Exchange, 253 Centre
Worthington Pump & Machy Corp., 115 B'way
(End of New York City)
PEEKSKILL—Naylor Bros.
ROCHESTER—PRENTISS HENRY & CO., INC., E. & B. bldg
SYRACUSE—Betts Hunter L., 406 S Franklin
Hurwitz Bros. Iron & Metal Co. (Second Hand)
Miller Equipment Co., 2124 E Washington
PRENTISS HENRY & CO., INC., Univ. bldg
Smith H. A. Machinery Co. (New & Used), Grape & Water
Strong Homer
Syracuse Supply Co.
Wood C. H. Co.
TROY—Cady A. J. (Textile)
Interstate Machinery Co. (Engines, Boilers, Cranes & Iron Working Machy, etc.)
UTICA—Rowlingson, D. E. (New & Second Hand)

NORTH CAROLINA.

ASHEVILLE—Carolina Machinery Co.
CHARLOTTE—Alexander & Garsed
Charlotte Supply Co. (Engines, Boilers, Cotton Mill Machinery, etc)
Liddell Co.
Mecklenburg Iron Works
DUNN—McKay Jno. A. Mfg. Co.
GOLDSBORO—Dewey Bros.
GREENSBORO—Greensboro Supply Co. (Boilers, Pumps, Engines & etc.), So Davie
NEWBERN—Hyman Supply Co.
RALEIGH—Dillon Supply Co., Dept. H
Raleigh Iron Works Co.
Wyatt Job P. & Sons Co.
STATESVILLE—Turner C. H.
WILMINGTON—Wilmington Iron Works (Fertilizer Machinery, Fish Factory Machinery, Special Machinery to Specifications)
WINSTON-SALEM—Crawford Mill Supply Co. (Boilers & Engines)
Kester Machinery Co.
Townsend Buggy Co. (Farm), 205 W 5th

NORTH DAKOTA

FARGO—Leeby Victor H. Co. (Concrete)

OHIO.

AKRON—American Scrap Iron Co. (Second-Hand Engines, Boilers, Pumps, etc)
Hardware & Supply Co., 475-535 S High
Mill & Mine Supply Co.
CANTON—Yohe Wm. S. Supply Co.
CINCINNATI—Barnes Chas. Co., 55 Main
C. & D. Machinery Exchange
Cincinnati Iron & Steel Co.
Doermann-Roehrer Co., 318 E 3d
Economy Machinery Co. (J. H. Flynn, Prop.) (New & Second-Hand Iron & Woodworking Machinery & Power Equipments of all kinds) 428 E Pearl
Johnston Wm. T. Co. (Machine Tools Engines, Pumps, Blowers, etc) 3rd & Vine
Kinsey E. A. Co. (Metal Working Machinery, etc), 331 W 4th
Motch & Merryweather Machy. Co. (Machine Tools, etc), 1st Natl. Bank bldg
Norton Broadway Machinery Co., 236-238 B'way
Queen City Supply Co. (Machine Tools & Machinery), Pearl & Elm
Randle Machinery Co. (All Kinds of New & Second-Hand Re-Built Machinery), C. H. & D. R. R. & Powers
Stewart Paul & Co. (Boilers, Engines, Generators, Turbines, etc), 1st Nat. Bank bldg
Uihlein Julius & Co., 208 Elm
Willey-Wray Elec. Co., 1523 Plum
Wirthlin-Mann Co., Plum & Commerce
CLEVELAND—Bath Cyril J. & Co.
Central Machy & Supply Co.
Clark Machinery Co., 1235 St. Clair
Cleveland Belting & Machine Co. (New & Second-Hand), 1510 University rd
CLEVELAND TOOL & SUPPLY CO., (Dealers Machine Tools, etc.), 1427-37 W 6th
Dravo-Doyle Co., Citizens bldg
Hayes Equipment Co., National bldg
Manning, Maxwell & Moore (All Kinds), 518 Leader News
See adv index at end of book
Motch & Merryweather Machinery Co., 707-715 Lakeside av
National Power Machinery Co. (Second-Hand Engines, Boiler & Electrical Machinery, etc), 1914 Scranton rd
Osborne D. M. Machy Co.
Oviatt D. C. & Co., 1106 St. Clair av
Pattison W. M. Supply Co. (Engines, Boilers, etc), 777 Rockwell av
Strong, Carlisle & Hammond Co. (Machine Tools, Engines, etc), 336-344 Frankfort av, N W.
White Tool & Supply Co., 1313 W 6th
Worthington Geo. Co., 802-832 St. Clair av N. W.
COLUMBUS—Eaton Machine Works (Engines Boilers & Machinery), 37 S Scioto
Kilbourne M. & Co. (Machinery & Mfrs. Agents), 24 W Mound
Osborne & Sexton Machinery Co. (Machine Tools, Wood Working Machy. & Motors)
Sackett Mine Supply Co. (Mining Machinery, etc), 164 N 3rd.
Shartle Machine Co.
Williams W. W. Co. (Contractors), Brunson bldg
DAYTON—Ohio Metal & Mfg. Co., Monument & Taylor
Patterson Tool & Supply Co. (Machine Tools & Machinery of all Kinds)
EAST LIVERPOOL—National Products Co. (Second-Hand Dealers)
ELYRIA—Elyria Belting & Machinery Co. (Second-Hand)
SAINT MARYS—Jasperson Supply Co. (Engines, Boilers & Transmission Machinery, etc)
SPRINGFIELD—Casey D. L. Machine Co.
Lane T. J. Equipment Co.
TOLEDO—Arbuckle-Ryan Co. (Agricultural)
Austin Machy. Corp., Dorr at Westwood
Banting Machine Co. (Boilers, Pumps, etc)
National Supply Co.
Power Equipment Co. (Steam Power Plant Apparatus)
URBANA—Marvin Mfg. Co., W. B.

OKLAHOMA.

BARTLESVILLE—Frick-Reid Supply Co. (New & Second Hand)
NOWATA—National Supply Co. (of Kansas)
OKLAHOMA—Sherman N. S. Machinery & Iron Works
TULSA—National Supply Co. of (Kansas)

(Continued on following page)

Machinery Dealers—Continued

OREGON.

EUGENE—Oregon Machinery Co.
PORTLAND—Barde M. & Sons Steel & Mach. Co., 240 Front
Bell Ice Machine & Refrigerator Co., 1032 E Alder
Brady M. F. Equipment Co. (Contractors & R. R.), 486 N 22nd
Brett W. J. Co., 54 1st
Caldwell J. D. Co. (Road Bldg. Machy.), 448 Glisan
Clyde Equipment Co., 555 Thurman
Coast Steel & Machinery Co., 50 1st
Cowgill H. E. (Mining), 54 1st.
Davis B. E. Electric Co., 75 Front
Euler Harry M., 46 Front
Feenaughty Machinery Co. (Road & Contractors), 309 E Gamhill
Gordon & Finkbeiner, 244H Pine
Meese & Gottfried Co., 67 Front
Mitchell Lewis & Stavor Co. (Agricultural), 330 E Morrison
Monroe & Crisell (Dairy & Creamery), 91 Front
Moore Chas. C. & Co. (Pumps, Mining & Mill Machinery), Spalding bldg
Portland Iron Works, 14th & Northrup
Portland Machinery Co., 62-66½ 1st
Prentice E. V. (Woodworking), 65 Front
Road Builders Equipment Co., 354 Belmont av
Sharp H. W. Co., 68 1st
Stewart Machy. Co. (Mill & Woodworking), 13th & Raleigh
Wade R. M. Co. (Agricultural), 322 Hawthorne av
Wallace, Corcoran & Co. (Farm), 322 E Yamhill
Willamette Equipment Co., Gasco Bldg.
Zimmerman-Wells-Brown Co. (Engines, Boilers, Pumps, Mach'y, etc.), 76 1st

PENNSYLVANIA.

ALLENTOWN—Taylor Wm. H. & Co. (Engines, Boilers, Pumps, etc)
BEAVER FALLS—Pettler P. & Son
BIRDSBORO—Birdsboro Steel Fdry & Mach. Co.
BRADFORD—Bovaird & Seyfang Mfg. Co.
CHESTER—Birtwell H. B.
EASTON—Easton Machinery Co.
Saxer-Creider Machy. Co.
ERIE—Saxer Creider Machy Co. (Second Hand), H Commercial Bldg.
Steiner Mfg. Works (Second Hand)
HAZLETON—Hazleton Machy. & Supply Co.
HOLLIDAYSBURG — McLanahan - Stone Mach. Co.
LATROBE—Saxman P. H.
LEBANON—Lebanon Engineering & Supply Co. (Second-Hand)
NEW CASTLE—Douds Frank C. & Co.
OIL CITY—Logan Robert (Engines, Boilers & Machinery)
PHILADELPHIA—Burchfield T. T. Co. (Engines, Boilers, Pumps, etc), 54 N 6th
Dravo-Doyle Co., Schaff bldg
Earle Gear & Machine Co., 4707 Stenton
Eastern Machy. & Equip. Co., Commercial Trust bldg
Fairbanks Co., 701 Arch
Industrial Requirements Co., 2544 Germantown
Kensington Iron & Metal Co., 1011 E Susquehanna av
Lamb J. K. (Textile Machinery Co.), 246 Chestnut
Latimer R. L. & Co. (Engines Boilers, Pumps, etc.), 24 N Front
Manning, Maxwell & Moore (All Kinds), Fox bldg
See adv index at end of book
Monarch Machinery Co. (New & Used), 300 N 3rd
Nemiromsky S. & Son, 136 N 3rd
Nuttall Jno., Montgomery & 5th
O'Brien Machinery Co., 119 N 3d
§Phosphor Bronze Smelting Co. (Phosphor Bronze), 2202 Washington av
Power Equip. Co., 1218 Chestnut
Provident Engng. Co., Morris bldg
Randall R. T. & Co. (Butchers' Machinery & Supplies), 333 N 2d
Schramm Chris. D. & Son, 709 Arch
Seyfert's L. F. Sons Inc. (Boilers, Engines, Pumps, Ironworking, Milling & Woodworking Machinery, Electrical & Power Equipment), 437 N 3rd
Sherrett & Stoer Co. Inc. (Machine Tools), 2006 Market
Shipley W. E. Machinery Co. (Machine Tools), 1421 Chestnut
Sterling Iron & Steel Co., 10th & Hamilton
Swind Machy Co., Widener Bldg.
Toomey Frank (Engines, Pumps & Machinery), 127 N 3d
Watt's Jno. M. Sons, 54 N 2nd
Winterer Herman L. (Engines, Boilers, Compressors, etc), 953 Front
Yearsley Thos. Co. (Electric, etc), 224 N 3d
PITTSBURGH—Baird Machinery Co.
Briggs Machy. Co., 124-6-8 2nd av
Brown & Zortman Machinery Co. (Machine Tools, etc.), 325H 2nd av
Carlin John H. Machine Co. (Contractors' Machinery, etc).
Castle & Wilson, 1601 Arrot Bldg.
Dempcy-Degener Co., 708 Penn av
Dravo-Doyle Co., Diamond Bank bldg
Frick & Lindsay Co. (Engines, Boilers, Pumps, Dealers), Sandusky & Robinson
See adv index at end of book
Frick-Reid Supply Co. (New & Second Hand), Sandusky & Robinson
Garrity Ralph E. Co. (Electric), Wasbash bldg
Green L. A., 1st Natl. Bank Bldg.
Hay's Samuel W. Sons, Phipps Power bldg
Kirk Supply Co. (Hoisting Engines), Pulverizing Machinery, Concrete Mixers, etc), Farmers Bank bldg
KLEINHANS H. CO. (Contractors), Union Trust bldg
See adv index at end of book
McCoy-Brandt Machy. Co., 210-214 Penn av
Machinists Supply Co., 325H 2nd av
MANNING, MAXWELL & MOORE, INC. (All Kinds), Park bldg
See adv index at end of book
Marr-Galbreath Machy. Co. (New & Used), 127 Water
Moore Edgar M. & Co. (new & second-hand motors, generators, engines, tanks, etc), Farmers Bank bldg
Motch & Merryweather Machinery Co., Farmers Bank bldg
Oil Well Supply Co., 215 Water
Pittsburgh Scrap Iron Co., S 20th & Wharton
Rees Jas. & Sons Co., 18 4th
Reliance Machy. Sales Co. (New & Used), Brigham rd & Pennsylvania av.
Renton Wm., 101 Water
Republic Supply Co., 123 Water
Russell Machine Co., 28th & A. V. R. R.
Schleicin F. P. Machinery Co. (Machine Tools, etc), 32 W Parkway, N S
Somers, Fitler & Todd Co. (Engines, Boilers, Pumps & Machinery), 325 Water
Tranter Mfg. Co. (Engines, New & Second Hand Pumps, etc), 105 Water
Whitecomb Geo. D. Co., 1008 House Bldg.
POTTSTOWN—Pollock Mayer (Second Hand Machy. & Boilers)
SCRANTON—**BITTENBENDER CO.**, 126 Franklyn av
Scott Chas. B. Co., 119 Franklin av
Scranton Supply & Machinery Co. (Engines, Pumps & Machinery)
SMITHS FERRY—Childs Jno., Sr. (Oil & Gas Well, etc.)
SWISSVALE—Union Switch & Signal Co.
TUNKHANNOCK—Billings Paul & Sons
WEST CHESTER—Schramm Chris D. & Son, Inc.
WILKES-BARRE—Eastern Penna. Supply Co. (Engines, Pumps & Machinery)
Huntington Machinery & Supply Co. (Electric, etc)
WILLIAMSPORT—Moltz Jacob J. (Engines, Boilers, etc)
YORK—Duff William E. Co.
Mehring H. B. & Co., 241 N George

RHODE ISLAND.

PROVIDENCE—Atherton Jesse, 24 Calender
B. & H. Supply Co. (Machinists' Tools), 115 Mathewson
Brownell Machinery Co., (New & Used Machine Tools), 11 Eddy

SOUTH CAROLINA.

ANDERSON—Anderson Machine & Fdry Co.
CHARLESTON — Bailey-Lebby Co. (Engines, Pumps & Machinery, New)
Cameron & Barkley Co. (Engines, Pumps & Machinery)
Charleston Dry Dock & Machine Co. (Engines, Boilers, Pumps, etc)
Franke C. D. & Co. Inc.
Riverside Iron Works
COLUMBIA—Columbia Supply Co.
Gibbes Machinery Co. (Engines, Boilers, Saw Mill, etc.)
GREENVILLE—Southeastern Farm Implement Co.
Southern Textile Machy Co. (Textile), 110-112 E McBee av.
Wilson Co. (Textile Machy), News Bldg.
SPARTANBURG—Montgomery & Crawford

TENNESSEE.

CHATTANOOGA—De Loach Mill Mfg. Co., 318 Carter
James Supply Co., 1104 Market
Mills & Lupton Supply Co., 1146 Market
Walsh & Weidner Boiler Co.
JACKSON—Southern Engine & Boiler Mfg. Co. (Engines, Boilers & Saw Mill Machinery)
JACKSONVILLE — Nashville Industrial Corp.
KNOXVILLE—Gillespie E. W. (Engines, Boilers, etc), 608 Asylum
McClung C. M. & Co. (Boilers, Engines, Pumps, etc)
Savage W. J. Co. (Engines, Boilers, etc.)
Tenn. Mill & Mine Supply Co. (Engines, Boilers, etc), 316 State
MEMPHIS—Chicksaw Machine & Foundry Co., 298 N 2nd
Pidgeon-Thomas Iron Co. (Gas Engines, Saw Mill Machinery, etc)
Riechman-Crosby Co. (Boilers, Engines & Saw Mill Machinery), 223 S Front
NASHVILLE—Dale Jno. P. Machinery Co. (Engines, Boilers, Wood & Iron Working Machinery), 127 3rd av S
Keith, Simmons & Co. (Engines, Boil-
General Machinery, etc), 414 Union
Nashville Machine Co., 123 3rd av N

TEXAS.

BEAUMONT—National Supply Co. (of Texas)
Wilson E. L. Hardware Co.
CORPUS CHRISTI—Caldwell E. H. & Son (Agricultural Machinery, Windmills, etc)
CUERO—Runge H. & Co.
DALLAS—Mosher Steel & Machinery Co.
Briggs-Weaver Machinery Co.
Pierce Wm. H., 515H Main
EL PASO—Mine & Smelter Supply Co.
FORT WORTH—Axtell Co. (Tanks, etc.)
National Supply Co. of Texas
Southern Trading Co.
Texas Mfg. Co.
Van Zandt Iron Works (Engine, Boilers, Pumps, Dynamos, Motors, etc)
HOUSTON—Barden Electric & Machinery Co.
Heitmann F. W. Co. (Machinery & Supplies)
Houston Car Wheel & Machine Co. (Dredge, Oil Mill, Sawmill & Compress Machy., etc)
National Supply Co. of Texas
Paine H. A. (Pumping & Saw Mill Machy., etc)
LUFKIN—Lufkin Foundry & Machine Co. (Boilers & Engines)
MERCEDES—Rio Grande Hardware & Machinery Co.
PARIS—Dulaney W. F. & Sons
SAN ANTONIO—San Antonio Machine & Supply Co.
SCHULENBURG — Baumgarten Schulenburg Ernst Ch. (Farm, Pumps, Engines, etc.), Dept. H
TYLER—Connally Walter & Co.
WEATHERFORD—Texas Bridge Co. (Road Building), Dept. H

UTAH.

SALT LAKE CITY—Cramer-Kay Machinery Co., Newhouse bldg
Diebold Elec. Co.
Green Machinery & Mfg. Co.
Mine & Smelter Supply Co.
Moore Chas. C. & Co. (Pumps, Mining & Mill Machinery)
Richmond F. C. Machinery Co. (Mine, Mill & Contractors' Machinery)
Salt Lake Hardware Co.
Western Machinery Co., Judge Bldg.

VERMONT.

BENNINGTON—Scott Olin (Est. of)
BRATTLEBORO—Stearns Joel M. (Agricultural)
ST. JOHNSBURY—Hooker O. T. & Sons, Perkins

VIRGINIA.

NORFOLK—Burchard Wm. A. Co., Inc., 56-60 Commerce
Empire Mach. & Supply Corp.
Kilpatrick B. H. & Co. Inc., 308 Water
Southern Supply Co.
Taylor-Parker Co.
Tidewater Supply Co. Inc.
Walke Henry Co.
Westbrook Jno. D. Inc.
Whaley W. M. & Co.
PETERSBURG — Stockdell Myers Hardware Co.
RICHMOND—Bluford I. & Co. (New & Rebuilt Machinery Boilers & Engines), 501 N 15th
Cosby Clarence (Second-Hand),
Lindsay J. L. (Inc.), 1321 E Main
McGraw James, Inc. (New), H 10th & Cary
Morrison Co. (All Kinds), Mayo's Isle
Smith-Courtney Co. (Engines, Boilers, Machine Tools, etc)
Sydnor Pump & Well Co. (Engines, Pumps & Saw Mill Machinery), 1310 E Main
Virginia Machinery & Well Co., 1319 E Main

WASHINGTON.

BELLINGHAM—Whatcom Machinery Depot
CENTRALIA—Gillam H. C.
OMAK—George Claude Co. (Gasoline Engines & Machinery)
SEATTLE—Buckner-Woodard Co., Inc., 924 1st av
Caldwell Ferry Co. (Road Contrs.), 1040 6th av S

Clyde Equipment Co., 542 1st av, S
Collins-Ferguson Co., 315 Lowman Bldg.
Cox A. H. & Co. (Electric), 307 1st av So.
Dinsmore Wm. & Co. (Ice Machines), **912 Post**
Dow, David & Son (Contrs., Loggers), 1258 1st av S
Fryer D. E. & Co. (Conveying Machy.) Lbr. Exch. bldg
Gray & Barash, Inc. (Electrical), 63 Horton
Hallidie Machy. Co. (Mining & Mill), 300H 1st av So.
Higgins Machy. Co., 309 1st av S.
Hillman C. Kirk Co. (Electric Motor & Machy.), 313 1st av, S
Meese & Gottfried Co. (Power Transmitting), 532 1st av S
Moore Chas. C. & Co. (Pumps, Mining & Mill Machy.), **Smith bldg**
Northwest Steel & Metal Products Co., 1560 1st av, S
Pacific Hoist & Derrick Co. (Hoisting), 318 1st av, S
Perine Machinery Co.
Puget Sound Machinery Depot (Saw & Shingle Mill Machinery, etc), 318 1st av S
Snow, L. A. Co. (Road & Contractors), 910 1st av So.
Star Machinery Co. (All Kinds), 1731 1st av S
Sumner Iron Works
Thompson & Castleton, Inc., 316 1st av So.
Union Machinery & Supply Co., 500 1st av, S
Vickers & Co. (Pumping & Hydraulic), L. C. Smith bldg.
Washington Machinery & Storage Co., 1900 W Garfield
West Coast Machinery Co. (New & Rebuilt), 1006H 1st av So.

SPOKANE—Averill Machinery Co.(Farm Machy),134 Inter Rt. of Way
Barnard Mfg. Co. (Engines, Boilers, etc), N 1324 Ash
General Machinery Co., S 13 Post
Hallidie Company
Hofius-Ferris Equipment Co., 17H S **Washington**
Keystone Drill & Machine Co. (Drilling & Pumping Machy), 1220 W Ide
Mitchell, Lewis & Staver Co.
Northern Machy. Co., E 21 Riverside
Pacific Iron Works (Saw Mills Engines, Boilers, Pumps, Power & Transmitting Machinery, N 802 Post
Union Iron Works (Inc.) (Mining Machinery, Engines, etc)
Washington Machinery & Supply Co., Division & O. W. R. & N. Tracks
See adv index at end of book

TACOMA—Gerrish Machinery Co., 1011 East E
Hofuis-Hudson Machy. Co., Tide Flats
Puget Sound Iron & Steel Works
Sterling Machy. Co.
Sussman Frank & Co., 1730 Pacific av
Washington Machinery Depot

WEST VIRGINIA.

BLUEFIELD—Superior Supply Co.
CHARLESTON—Baldwin Supply Co., 901 Va, E
Capitol City Supply Co.
South Side Foundry & Machine Works
CLARKSBURG—Osborn's J. F. Sons
HUNTINGTON—Banks Supply Co.
Lambert H. T. Co. (New & Second Hand)
Miller Supply Co.
PARKERSBURG—Spence H. M. (Second-Hand Boilers), Engines, etc
WESTON—Danser Mfg. & Supply Co.
WHEELING—Hills Chas. L.

WISCONSIN.

ASHLAND—Bretting C. G. Mfg. Co. (Mill Machinery, etc)
GREEN BAY—Nelson H. J. Machinery Exchange, 127 N Pearl
Suess P. F. Machinery Exchange, Pearl & Howard
JANESVILLE—Ambrose F. O. (Engines, Pumps, etc)
MILWAUKEE—American Machinery Co. (Power Transmitting & Conveying Machinery, etc), 103 W Water
Badger-Packard Machinery Co. (New & Second-Hand), 133 W Water
Hide & Leather Working Mach. Co. (Hide & Leather Working Machinery, etc), 4215 Meinecke av
Mertes Machinery Co. (New & Second Hand Machine Tools, Boilers, Pumps, Engines, Hoisting Engines, Brick Machinery, etc), **240 Oregon**
Northwestern Electric Machinery Co. (Electric Machy., Motors, etc.), 245 **Oregon**
Smith T. L. Co., 1151 32nd
See adv index at end of book
Walsh M. J. Machinery Co., 88 W Water
PINE RIVER—Kimball A. M. & Son
RACINE—Badger-Packard Machinery Co.
Racine Confectioners Machinery Co.
WAUSAU—Murray D. J. Mfg. Co.

9501a— Machinery from Special Design

See also Machinery Dealers

Consolidated Products Co., 15 Park Row, New York
FULTON IRON WORKS Co., St. Louis, Mo.
Oregon Machinery Co., Eugene, Oregon

9501b—Machinery (Second Hand)

See also Machinery Dealers

American Scrap Iron Co., Akron, Ohio
Armstrong R. S. & Bros., 676H Marietta, Atlanta, Ga.
Badger-Packard Machinery Co., 133 W Water, Milwaukee, Wis.
Bath Cyril J. & Co., 1601 St. Clair av, Cleveland, Ohio
Bay City Iron Works, 221 Washington, Oakland, Cal.
Beal David & Co., 370 Atlantic av, Boston, Mass.
Beal Jos. & Co., 23 Purchase, Boston, Mass.
Bender Geo. (Electric), 128 Center, New York
Berg's Machinery Exchange, 95 Haverhill, Boston, Mass.
Bertolette Machine Tool Co., 357 West Side av, Jersey City, N. J.
Bluford L. & Co., 501 N 15th, Richmond, Va.
Boston Iron & Metal Co., Dept. H, Pratt & Fremont, Baltimore, Md.
Botwinik Bros., 21 Sylvan av, New Haven, Conn.
Brownell Machinery Co., 11 Eddy, Providence, R. I.
Buffalo Tool & Supply Co., 22 Henry, Buffalo, N. Y.
Calleson C. A., 50 Church, New York
California Machinery Co., 67H Beale, San Francisco, Cal.
Cincinnati Machinery Exchange, 428 E Pearl, Cincinnati, Ohio
Clampitt E. A. Co., 1037 N Alameda, Los Angeles, Cal.
Cleveland Belting & Machine Co. 1510 University rd, Cleveland, Ohio
Cosby Clarence, 1523 E Cary, Richmond, Va.
Davis Machine & Motor Co., Inc: (Motors). 59H Mechanic, Newark, N. J.
Dooley-Killian Co., 26 Cortland, New York
DU PONT E. I. DE NEMOURS & CO., INC. (Salvage & Reclamation Div.), Wilmington, Del.
See adv index at end of book
Duquesne Elec. & Mfg. Co., Bessemer Bldg., Pittsburgh, Pa.
Economy Machinery Co., 428 E Pearl, Cincinnati, Ohio
Elpert H., 398 Atlantic av, Boston, Mass.
Essley E. L. Machinery Co., 555 W Washington blvd., Chicago, Ill.
Franklin Machy. & Supply Co. (Contractors), 1915 Santa Fe av, Los Angeles, Cal.
Freidus M., 174 Centre, New York
Gelb J. & Co., 203 Centre, New York
Gledhill & Co., 19 Union sq, Bridgeport, Conn.
Gibney Iron & Steel Co., Phillipsburg, N. J.
Green L. A., First National Bank bldg, Pittsburgh, Pa.
Gregory Elec. Co., 1601 S Lincoln, Chicago, Ill.
Hannan & Finton Co., 39-45 Sharon, Springfield, Mass.
Harris Bros. Co., W 35th & Iron, Chicago, Ill.
Haubtman & Loeb Co., Ltd., 618 Magazine, New Orleans, La.
Hicks Frank A., 502 E 3rd, Los Angeles, Cal.
Hill, Clarke & Co. of Chicago, 625 Washington blvd, Chicago, Ill.
Hofuis-Hudson Machy. Co., Tide Flats, Tacoma, Wash.
Hudson Iron & Metal Co., 33rd, Bayonne, N. J.
Hurwitz Bros. Iron & Metal Co., 540 Tracy, Syracuse, N. Y.
Ideal Machinery Co., Plainville, Conn.
Industrial Machinery Corp., 147 Provost, Jersey City, N. J.
INDUSTRIAL PLANTS CORP., 25 Church, New York
See adv index at end of book
Jardine Machinery Co., 115 Main, San Francisco, Cal.
Johnston Wm. T. Co., 3rd & Vine, Cincinnati, Ohio
Kaufman Machinery Co., 89 Centre, New York
Keystone Drill & Machine Co., 1220 W Ide, Spokane, Wash.
Lamberg A. & Co., 243 Centre, New York
Lebanon Engineering & Supply Co., Lebanon, Pa.
Lehman Chas. T., Birmingham, Ala.
Lucas J. L. & Son, Inc., Bridgeport, Conn.
McCabe J. J. Lathe & Machinery Corp., 149 Broadway, New York
McCabe & Sheeran Machinery Corp., 50 Church, New York
McCoy Brandt Machy. Co., 210-214 Penn. av, Pittsburgh, Pa.
Machine & Tool Equip. Co., 319 Perry, Trenton, N. J.
Machinery Exchange, 3223 1st av, S, Seattle, Wash.
Machinery & Equipment Co., Inc., 225 Sherman av, Newark, N. J.
Manufacturers Selling Co., Trenton, N. J.
Marr-Galbreath Machy. Co., 127 Water, Pittsburgh, Pa.
Martin J. E. Co., 61 1st, Portland, Ore.
Mayer Sidney E. Co., San Diego, Cal.
Mertes Machinery Co., 240 Oregon, Milwaukee, Wis.
Mid-Continent Equipment & Machinery Co., (Machy, Second Hand), Security bldg., St. Louis, Mo.
Midgley & Prentice Inc., 30 Church, New York
Miller Owen Electric Co., Lexington av & Thomas blvd, Pittsburgh, Pa.
Millington & Bradshaw, 69 N. J. R. R. av, Newark, N. J.
MOLITOR CHAS. MACHINERY CO., 118-124 S Clinton, Chicago, Ill.
Monarch Machinery Co., 300 N 3rd, Phila., Pa.
Moore Bros. 39 S La Salle, Chicago, Ill.
Moore Edgar M. & Co., Farmers' Bank bldg, Pittsburgh, Pa.
Morey & Co., Inc., Broome & Lafayette, New York
Motch & Merryweather Machinery Co., 711 Lakeside av, Cleveland, Ohio
Myerson Joseph (Electrical & Transmission), 411 Atlantic av, Boston, Mass.
Nashville Industrial Corp., Jacksonville, Tenn.
National Power Machinery Co., 1914 Scranton rd, Cleveland, Ohio
New York Machinery Exchange, 50 Church, New York
Nieder & Marcus, 419 Railroad av, S, Seattle, Wash.
Ohio Metal & Mfg. Co., Monument & Taylor, Dayton, Ohio
Osborne & Sexton Machinery Co., 4th & Russell, Columbus, Ohio
Oviatt D. C. & Co. (Presses, Forging Machy. & Machine Tools), 1106 St. Clair av, Cleveland, Ohio
Pacific Coast Machinery Co., 140 Howard, San Francisco, Cal.
Pattison W. M. Supply Co., 777 Rockwell av, Cleveland, Ohio
Pekor Iron Works, Columbus, Ga.
Pollock Mayer, Pottstown, Pa.
Power Machinery Exchange, Inc., 1 Montgomery, Jersey City, N. J.
Prentice E. V. (Woodworking), 65 Front, Portland, Ore.
PRENTISS HENRY & CO., INC., 149 Broadway, New York
Prichard C. W. Co., Inc., 50 Church, New York
Randle Machinery Co., C. H. & D. R. R. & Powers, Cincinnati, O.
Reading Engineering Wks., 116 Washington, Reading, Pa.
Reliance Machinery Sales Co., Brighton rd & Pennsylvania av, Pittsburgh, Pa.
Rich & McLean, 73 Beekman, New York
Ridlon Frank Co., 251 A, Boston, Mass.
Riverside Machinery Depot, 251 St. Aubin av, Detroit, Mich.
Root, Neal & Co., 178H Main, Buffalo, N. Y.
Rosenburg & Co., 336 E 3rd, Los Angeles, Cal.
Russell John W. & Sons Co., 49 Taylor, Springfield, Mass.
Salzberg H. E. Co., Inc., 30 Church, New York
Saxer-Creider Machy. Co., H Commercial Bldg., Erie, Pa.
Schoonmaker A. G. & Sons, 26 Cortlandt, New York
Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.
Smith H. A. Machinery Co., cor. Grape & Water, Syracuse, N. Y.
Southern States Equipment Co., 712H Hennen bldg, New Orleans, La.
Standard Machinery Co., 453 Chapel, New Haven, Conn.
Stern H. Sons Co. (Tanks, Boilers, etc.), 4850 S Calif av, Chicago, Ill.
Stewart Machy. Co., 483 Raleigh, Portland, Ore.
Stickley E. B. Machinery Co., 693 Congress, Detroit, Mich.
Supple Francis, 330 Atlantic av, Boston, Mass.
Teuscher & Son Machy. Supply Co., 801 N 2nd, St. Louis, Mo.
Toomey Frank, Inc., 127 N 3rd, Philya.,. Pa.
Turner Supply Co., Mobile, Ala.
Vonnegut Machy. Co., 43 S Meridian, Indianapolis, Ind.
Waterbury Scrap Iron Co., 111 W Main, Waterbury, Conn.
Werby Benjamin Co., 81H Haverhill, Boston, Mass.
West Coast Machinery Co., 1006 1st av, S, Seattle, Wash.
Western Machinery Exchange, Santa Fe av at 9th, Los Angeles, Cal.
Whaley W. M. & Co., 51 Commercial pl, Norfolk, Va.
Wickes Machinery Co., Claremont & West Sides avs, Jersey City, N. J.
Wilmington Iron Works, Wilmington, N. C.
Wilson H. R. Machy. Co., Federal Reserve Bank bldg, St. Louis, Mo.
Winterer Herman L., 953 N Front, Phila., Pa.
Worcester Machinery Co., 140 Commercial, **Worcester, Mass.**
Zelnicker Walter Supply Co., 325 Locust, St. Louis, Mo.

9502—Machinists & Founders

Star (*) indicates Machinists.
Dagger (†) indicates Founders.
Section Mark (§) indicates Brass and Composition Founders.

All Manufacturers of Machinery, Castings, etc., who have a machine shop or foundry are classified under this heading and sub-classified in other parts of the book under the specific article they produce.

For correlative trades not included under head of Machinists & Founders see:

Automobile Builders.
Boilers, Tubular, Etc.
Bolt & Nut & Rivet Manufacturers.
Chains, Various Kinds.
Cutlery Manufacturers.
Forgings, Various Kinds.
Furnace Manufacturers. Hot Air, Etc.
Gas & Electric Fixture Manufacturers.
Hardware Manufacturers.
Rolling Mills & Steel Manufacturers.
Saw Manufacturers.
Screw Manufacturers.

For all other kindred classifications consult Index of Contents.

ALABAMA.

ALABAMA CITY—*†§ Gulf States Steel Co.
ANDALUSIA — *† Faulkenberry Fdry. & Machine Co.
*Taylor J. M.
ANNISTON—*†Alabama Pipe & Foundry Co. (Cast Iron Pipe)
*†Anniston Foundry Co.
†Calhoun Foundry Co. (Sash Weights,
*‡Central Foundry Co. (See New York)
*†§Interstate Roofing & Foundry Co.
*†§Kilby Car & Foundry Co. (Logging Cars, Wheels & Axles)
Lee Bros. Foundry Co., Dept. H
†Ornamental Foundry Co. (Iron Railings, etc.)
*†Standard Foundry Co. (Cast Iron Pipe)
*†Union Foundry Co. (Cast Iron Pipe & Fittings, etc.)
*†U. S. Cast Iron Pipe & Foundry Co. Burlington, N. J.
ATTALLA—*†Attalla Foundry & Mach. Co.
National Pipe & Fdry Co. (Cast Iron Pipe Mfrs.)
BESSEMER—*†Bessemer Fdry. & Mach. Co.
Bessemer Soil Pipe Wks. (Cast Iron Soil Pipe)
*†Central Foundry Co. (See New York)
*†U. S. Cast Iron Pipe & Foundry Co. (See Burlington, N. J.)
*Superior Pipe Co.
BIRMINGHAM—*§Ajax Metal Co. of the South
*†American-Blakeslee Mfg. Co. (Gas & Gasoline Engines)
*†American Cast Iron Pipe Co. (Cast Iron Pipe Mfrs.)
†American Casting Co.
American Radiator Co.
§Anderson G. L. Brass Works
†Avondale Stove & Foundry Co.
*Beatty E. T.
*†Birmingham Machine & Foundry Co.
*Birmingham Stove & Range Co.
*†Caldwell-Watson Fdry. & Mach. Co. (Mill & Mining Machy.)
§Dixie Brass & Foundry Co. (Castings, Models, Automobile Parts, Bosh Plates, Brass Bushings, Brasses & Tuyeres)
*†Hardie Tynes Mfg. Co. (Corliss Engines, Heavy Iron Castings, etc.)
Ingalls Iron Works Co.
Joubert & Goslin Mach. & Fdry. Co. (Sugar Machy. & Brass & Iron Castings), 800 N 35th
*Kehm A. O. Casting Co.
*Lehman Chas. T.
*Lum Geo. E.
*†Montgomery Coal Washing & Mfg. Co. (Coal Washing Machinery)
*†Republic Iron & Steel Co. (See Youngstown, O.
†*Southern Wheel Co.
*Steward-Hilty Machine Co.
*†Stockham Pipe & Fittings Co.
*Sullivan Machinery Co. (Mining)
*†Tennessee Coal, Iron & R. R. Co.
†Thomas Grate Bar Co.
*†U. S. Cast Iron Pipe & Foundry Co.
†Wallwork H Foundry Co. (Grate Bars, Castings, etc.)
BOAZ—*Steele E. J.
BREWTON—*†§Brewton Iron Works
CULLMAN—*†§Ehrensperger J. J.
DECATUR—*†§Jervis Foundry & Machine Co.
DOTHAN—*†§Dothan Foundry & Machine Co.
ENSLEY—Games Foundry Co.
*†§Tennessee Coal, Iron & R. R. Co. (See Birmingham, Ala.)
FLORENCE—*†§Florence Machine & Railroad Supply Co.
*†Martin Stove & Range Co.
FLOMATON—*†§Flomaton Fdry.
GADSDEN—†A. & J. Mfg. Co. (Stove)
*†Coosa Pipe & Foundry Co.
†§Gadsden Foundry Co.
*†Gadsden Pipe Co.
HARTSELLS—*†§Hartsells Machine Co.
HOLT—*†Central Foundry Co. (See New York)
HUNTSVILLE—*†§Grace C. M. & Co. (Iron & Brass Foundries)
LUVERNE—†§*Douglas Mach. Co.
MOBILE—Alabama Dry Dock & Shipbuilding Co.
*†§Henderson Shipbuilding Co. (General Steamship Repairs)
*†§Home Industry Iron Wks. (Marine Repair Wks., Dept. H
*Mobile Shipbuilding Co.
*†§Mobile Stove & Pulley Mfg. Co.
*†Ollinger Harry W.
MONTGOMERY—*Capitol City Machine Works (Repair Work)
*†§Hartley Boiler Works. (Iron & Brass Castings, Boiler Fronts, Grate Bars, etc.)
*†§Janney & Co. (Saw Mills, Grate Bars, Brass & Iron Castings, etc)
NEW DECATUR—†*Decatur Cornice & Roofing Co., Inc.
OPELIKA—*Collins Garage Machine Wks.
OZARK—*Valentine I. M. Machine Co.
PRATTVILLE — *†§Continental Gin Co. (See Birmingham)
SELMA—*†§Union Iron Works Co. (Engines, Locomotives rebuilt, etc.)
SHEFFIELD—†King Stove & Range Co.
*†§Sheffield Machine & Foundry Co.
TALLADEGA—*†§Talladega Foundry & Machine Co.
TUSCALOOSA—*†§Strickland Bros. Machine Co.
†§Tuscaloosa Iron Works (Iron Fdrs.)
TUSCUMBIA—*†Rowland T. T. & Son (Cultivators)
WOODWARD—*†§Woodward Iron Co.

ARIZONA.

CLARKDALE—†§*United Verde Copper Co.
CLIFTON—*†§Arizona Copper Co. (Ltd.)
GLOBE—†§*Globe Fdry & Mach. Co.
JEROME—*†§United Verde Copper Co.
NOGALES—*†§Arizona & Sonora Mfg. Co. (Mining Machinery, Castings, etc.)
*Roy & Titcomb (Gasoline Engines)
PHOENIX—*†§Arizona Iron Works
*Kunz Bros. & Messinger
*Phoenix Machine & Cold Storage Co.
PRESCOTT—*Tilton B. (Machine Shop)
TUCSON—Western Machy. Co. (Garage)

ARKANSAS.

ALMYRA—*Almyra Machine Works
DARDANELLE—*†§Partin W. E.
EL DORADO — *†§Eldorado Foundry & Machine Co.
FAYETTEVILLE—*Sanford & Son
FORT SMITH—†Breslin Boiler & Iron Works
†Hammer Iron Works
*†§Ketcham Iron Co. (Engines, etc.)
*†§Mehlburger & Jones
HELENA—*Allin Machine Works
HOT SPRINGS—*†§Shelton W. H. & Son
JONESBORO—*Jonesboro Machine Works
LITTLE ROCK—*†Arkansas Foundry Co.
*†Dickinson Ball Bearing Wheel & Vehicle Co. (Ball Bearing Wheels)
MORRILLTON—*†De Long Machinery Co.
*†Lachowsky A. L.
PINE BLUFF—*†§Pine Bluff Iron Works (Iron & Brass Founders)
RUSSELLVILLE — *†§Russellville Iron Works
SOUTH FORT SMITH—*†Western Wheelbarrow Mfg. Co. (Steel Barrows, Trucks, etc.)
STUTTGART—†§*Stuttgart Machine Co.
TEXARKANA—*De Marce Mrs. A. (Engines, Castings, etc.)
VAN BUREN—*†§Engineering Works (Industrial Cars, etc.)
*†§Morell Jas.

CALIFORNIA.

ALAMEDA — Alameda Engineering & Mach. Works, 2326 Lincoln av
*General Engineering & Dry Dock Co., Inc.
Van Niel Foundry Co., 2319 Clement av
ANGELS CAMP—*†§Angeles Iron Works
BAKERSFIELD — *†§Bakersfield Iron Works
*Sprague Bros.
BAY POINT—Bay Point Foundry Co.
BENECIA—†*Yuba Mfg. Co.
BERKELEY — Berkeley Brass Foundry, 2629 7th
Die Casting & Specialty Mfg. Co., 2926 Telegraph av
†Macauley H. C. Foundry Co.
*Schuyler Co. (Tools, etc.)
*Threaded Products Co. (Brass Finishing), 8th & Carlton
BURBANK—*§Moreland Motor Truck Co.
CHICO—*†§Diamond Match Co. (Engineering Dept.) (Castings & Machinery)
*†Mery M. L.
COALINGA—§Axelson Machine Co.
Baker Casing Shoe Co.
*†§Bunting Iron Works
COLUSA—*†Maroney & Hearn
DOWNIEVILLE—*†§York C. J.
EUREKA—*Lane & Sutliff (Gas Engines, etc.)
†Vietor Wm. A.
FRESNO—*Acme Machine Co., 212 Park blvd
Burnett Iron Wks., 1326 N
*Crow L. A. Machine & Boiler Co., 1826 Mono
*Dudley Ed. Pump House, 220 B'way
*Electrical & Mechanical Mfg. Co., 206 Park blvd
Federal Foundry Co.
*†Fresno Agricultural Works (Agricultural Improvements)
*Fresno-Buckner Mfg. Co., 95 Blackstone av
*Lisenby Mfg. Co. (Printing Presses)
Matthews Foundry Co., 2228 Railroad av
*†Traves Chas. E. (Machinist & Foundry)
United Engine & Machine Co., Inc., 507 Broadway
*†§Valley Foundry & Machine Works (Gas Engines & Pumps)
FULLERTON—Clever & Gulick
GOLETA—*Maiers G. F.
GRASS VALLEY—*†George Bros.
*†§Taylor Foundry & Engineering Co. (Vacuum Filters, Steam Engines, etc.)
HUNTINGTON PARK—†Hess & Sackett, Inc., 601 W Belgrave av
*†Madsen Iron Works, 5529 Bicket
LONG BEACH—†§*Cal. Shipbuilding Co.
City Iron & Oven Co., Inc., 1163 W Ocean av
Craig Shipbuilding Co., Ft. Water
LOS ANGELES—*Adams Campbell Co.
*Advertising Scale Co., 117 W Daly
Allied Machinery Co. (Contrs. & Mining), 459 E 3d
*†Alloy Steel & Metals Co., 55th & Alameda
†American Foundry, 922 Date
*Angelus Tool & Machine Co., 297 San Fernando rd
*Argo-Vines Mfg. Co., 2446 E 52nd
§Atlas Brass Foundry, Inc., 1901 Santa Fe av
*Atlas Machine Works, 1516 S Grand av
Automatic Machine Works, 325 E 4th
Axelson Machine Co. (Grey Iron Castings), Boyle av, Los Angeles, Cal.
Baash-Ross Tool Co., 5512 Boyle av
*†Baker Iron Works
*Baldwin P. Machine Shop, 331 Towne
§Bayer A. J. Co. (Iron, Brass & Bronze), Slauson & Santa Fe av
Beckwith & Neely, 1339 Santa Fe av
*Boyle-Dayton Co., 53d & Santa Fe
*Bremer W. A. (Concrete Machy.), 3612H S Alameda
Brombacher Iron Works, 55555 Magnolia
*Bunce Metal Products ("Kronz" Metal Castings), 2652 Long Beach av
*California Well Tool & Machine Works, 1033 Alhambra
†Cass Foundry Co. (Grey Iron Only), 2501 E 25th
*Central Machine Works
*Central Machinery Mfg. Co.
Central Tool & Mfg. Co., 2411 Whittier blvd
*§City Ornamental Iron Works, 755 E 15th
Coast Oilfields Supply Co., 822 E 60th
Cochrane F. W. Mfg. Co., 1316 W Slauson
*Commercial Engine Co., 2424 Porter
*†Commercial Iron Works of L. A., 2424 Porter
Crandall Machine Works, 1359 S Main
Crellin Machine Co., 123 Llewellyn
Crown Brass Mfg. Co., Santa Fe av at E 15th
*Dyesen & Hickox Co., 2062 Santa Fe av
*Eccleston Machy. Co., 158H S Anderson
*Electric Fruit Marking Co., 120 E Washington
†Emmett & Podas, 2001 E Slauson av
§Enterprise Brass Foundry Co., 968H MacGarry
Enterprise Machine Works, 115 West Redondo
*Excelsior Machine Works, 2316 E 52nd
†Federal Brass Foundry Co., 5332 Santa Fe av
*†Fernholtz Machy. Co., 2053 E 38th
See adv index at end of book
*†§Fulton Engine Works (Mining, Oil Well & Saw Mill Machinery & Iron & Brass Castings, etc.)
*Garbe Mfg. Co., 1723 San Fernando rd
*Gilfillian Bros., Inc., 1319 W 16th
Graham Iron Works, 28th & Santa Fe av
*Gregory Wm. & Sons (Gas Engines), 602 N Main
*Griffith Machine Works, 1008 Santee
*Guarantee Engineering & Machine Co., 1001H N Main
*Hahn Harry W. Mfg. Co., 629 S San Pedro
*Harrison Machine Works
§Heintzelman-Earle-Wickeren Co.
*Herbert Machinery & Supply Co., 401 E 3rd
†Hercules Foundries, Inc. (Drainage & Spil Pipe Fittings), Boyle & Slawson av, Huntington Park
*Herron R. H. Co., 934 N. Almeda
*Hibbard L. R., 706 N Main
*Hillman Mfg. Co., 2317 E 6th
*Independent Mechanical Electrical Works, 3040 S Main
*†Johnson Foundry & Machine Works
†Johnson's Foundry Corp., 1003 N Main
Jones Jas. Co. (Brass Founders), 201H Leroy
Kay-Brunner Steel Casting Co. (Steel), 2720 Frederick
*Keystone Engineering Co., 1442 S. San Pedro

*†Keystone Iron & Steel Wks. (Iron Brass & Electric Steel Castings), 37th & Santa Fe av
*Kimball Frank J. Co., Inc., 1860 E 15th
*King Machine & Mfg. Co.
*Kinmont Mfg. Co., 5420 Santa Fe tv
†§*Layne & Bowler Corp., 900 Santa Fe av
†Lilly Bros.
*LINK-BELT MEESE & GOTTFRIED CO., 400 E 3d
*†Llewellyn Iron Works (Mining Machinery, Iron & Brass, etc.)
†Los Angeles Brass Foundry, 1535 E 16th
*†Los Angeles Foundry Co. (Steel Castings, Grinding Balls & White Iron Castings, etc.), 2444H Alameda
Los Angeles Machine Works, 316 Azusa
*Los Angeles Motion Picture Co., 215 E Washington
Los Angeles Valve & Fittings Co.
*McKain Mfg. Co., 921 Main N.
§Magnus Co., Inc. (Brass & Bronze Castings, etc.), 860 N Main
*Maine Machine Works
*Mapsen Mfg. Co., 2931 Whittier blvd
Martin Iron Works
Master Carburetor Corp., 3000 S Main
*Miller Engine Wks., 2652 Long Beach av
*Miller & Herlocker
Mills Iron Works, Inc., 927H N Main
*Model Machine Wks., 317 W Pico
*§National Brass Works, Inc., 2140 E 25th
*Okell Well Machinery Co., 151 N Los Angeles
*§Pacific Brass & Hardware Mfg. Co. (Builders & Lavatory Hdwe.), 1646 N Spring
*Pacific Coast Ornamental Iron Works, 1316 S Central av
*§Pacific Copper & Brass Works, 1915 E 7th
*†Pacific Electric Railway Co.
*†Pacific Surgical Mfg. Co. (Surgical Instruments)
*Peerless Pump Co., 826 Santa Fe av
*Perfection Machine & Tool Works, 1568 E 22nd
*Pioneer Boiler & Machine Works (Machinists)
*§Price-Corcoran-Pfister Co.
†Quality Foundry & Mfg. Co., 2411 Modoc
†Republic Brass & Mfg. Co., 1931 Violet
Richter H. F. Mach. & Tool Works, 216 Aliso
*Saline Bros., 1350 S Bonnie Brae
Shehan Tool & Machine Co., 783 Kohler
*Singer Jal Machine Works, 2116 S Los Angeles
*Small W. E.
Smith Mailer Co., 743 N Main
Snedden Machine Works, 1972 S Los Angeles
*Southwest Welding & Machine Co., 621 N Main
*Stearns Gas Engine Works (Engines, & Pumps)
*Svea Art Cabinet Wks., 1210 W. Washington
*Trinkkeller E. (Ornamental Iron)
§Union Brass Foundry
*Union Iron Works of Los Angeles (Inc.), 5125 Sante Fe av
†United Casting Co.
U. S. Flexible Metallic Tubing Co., 336 S San Pedro
*Universal Machine Works, 209 N Los Angeles
*Vickers Harry F., 3767 Moneta av
*Wagniere Mfg. Co., 1011 E Slauson av
†Warman Steel Casting Co., H Boyle av
*†Washington Iron Works, 1141 Mateo
*Western Aircraft Corp., 1212 E 6th
*†Western Machy. Co., 900 N Main
†Western Malleable Castings Co., Boyle & Slawson avs
Western Tool & Engn. Co., 1922 Produce
*Wigmore John & Sons Co. (Machine Tools, etc), N E cor 4th & San Pedro
Wiley Machine Co., 5th & Seaton
*Wilgus Mfg. Co. (Pumps, Governors, etc.)
*Wilson & Willard Mfg. Co. (Oil Well Tools, etc)

MADERA—*Barcroft Fred (Gang Punches)
MARYSVILLE—*Ogden J. G.
†*Yuba Mfg. Co.
MODESTO—Docker Machine Works
MONTAGUE—*McClellan A. H.
MONTEREY—*Langdon Horace
NEEDLES—*Needles Machine Works
NEVADA CITY—*§Miner's Foundry & Supply Co.
†§*Miners' Fdry. & Supply Co.
NEWARK—*†§Graham James Mfg. Co. (Stoves & Ranges). (See San Francisco, Cal.
OAKLAND—*American Machine Works (Rebuilt Machy.), 518 4th (Jobbing Work)
*Anderson Machine Works, 444 23rd
*Apex Mfg. Co., Ft Powell
Bay City Iron Works, 3rd & Washington
*Benner Mach. Works (Machine Shop)
†Best Steel Casting Co. (Iron & Steel Founders), 105th av
Block Brass Foundry Co., Inc. (Brass & Iron, Shaft Liners & Bushings), 760 23d av, Oakland, Cal.
†§Boscacei Jos.
California Foundries, Inc., ft of 19th av
*Continental Machine Works (Machine Shop), 223 5th
†Dalton Henry & Sons Co., Cedar & 10th
De Rome L. Bronze, Brass & Bell Fdry., Inc.
*De Sanno Mfg Co., 1853 38th av
*Detroit Mfg. Co., 5850 Marshall
*†Empire Foundry Co.
*Hartvig-McLaurin Mfg. Co., 329 Washington
*Hommel Leon Machine Works, 416 23rd
*†§Judson Mfg. Co. (See San Francisco)
*King Tire & Rubber Co., Foothill blvd & Stanley rd
Loafea S. (Tools, Dies, Jigs, Fixtures, Gauges, Press Work), 5740 Elizabeth
§Oakland Brass Foundry
*Oliver Mfg. Co., 4th & Madison
*Pacific Earth Boring Machine Co., Dennison & King
*†§Phoenix Iron Works Co. (Iron & Brass Founders, Machine Castings, etc.)
*Resilient Safewheel Co., Inc., 1829 Cypress
*†§San Francisco-Oakland Terminal Rys.
*Scoville Mfg. Co.
*Slater & Williams, Inc., 301 Clay
*§Standard Brass Casting Co. (Brass Castings, etc.)
Standard Die Specialty Co. of Cal., 3103 San Pablo av
*§Standard Gas Engine Co., Dennison & King
*Straub Mfg. Co., 5th & Chestnut
*Strowenjans H. G., 766 Center
†U. S. Foundry Co., 30th & Poplar
*Union Gas Engine Co. (Gas & Oil Engines)
*Union Machine Works (Machine Shop)
*†§United Iron Works. (Dredging, Mining & Pumping Machinery, etc.)
§Young R. S. Supply Co.

ONTARIO—*Bumstead F. F.
*Ontario Mfg. Co.
†§*Hotpoint Electric Heating Co.
OROVILLE—*Indiana Machine Shop Co.
OXNARD—*†§Dunn Mfg. Co. (Steel Castings)
PASADENA—*†Reliance Mfg. Co.
*Wingren Chas. O.
PETALUMA—Dow-Herriman Co.
*Sparks & Murphy (Repairing)
*Van Bebber Bros. (Jobbing)
PITTSBURGH—†Columbia Steel Co. (See San Francisco, Cal.)
PIXLEY—†Norviel H. Scraper Co.
PLACERVILLE—†§*Morey, F. H.
POMONA—*†§Pomona Mfg. Co.
RED BLUFF—§Diamond Match Co.
†Hammer H. H.
REDDING — *Northern Cal. Engineering Works (Malleable Iron Castings)
RICHMOND—*†§Santa Fe Foundry Co. (Iron, Semi-Steel & Brass Castings, etc)
RIVERSIDE — *California Canning Machinery Co., 776 W. 10th
*†§California Iron Works
†§*Parker Machine Wks.
*†§Stebler, Parker Co., Inc., 171 9th
SACRAMENTO—*Berry, Robert
*†Brainard Bros., 126 O
*Davies John G.
†§*Pacific Gas & Elec. Co.
*†Palm Iron & Bridge Works
*†Phoenix Iron & Boiler Works
*†§Root, Neilson & Co. (Iron & Brass Founders & Machinists)
Union Iron Wks.
ST. HELENA—*Grant P. S.
SALINAS—*Iverson Bros. (Machinists, etc.)
*Lacey Geo. E.
SAN BERNARDINO—*†§Hanford Iron Works
*†§Parker Iron Works
SAN DIEGO—Campbell Machine Co. (Marine Repair Work)
*†§Higgins J. C. Mfg. Co., 2228 Kutner blvd
†McCoy Thos. & Sons
*†§National Iron Works, foot 7th
*§San Diego Machine Co.
*†§Standard Iron Works
*West Coast Gas Engine Co.
SAN FRANCISCO—Advanced Engineering Co., 464 7th
†§Ajax Fdry. Co., 58 Clementina
Aicher Machine Works, 1650 Stockton
†Alaska-Treadwell Gold Mining Co. (Steel Castings)
*†§Allis-Chalmers Mfg. Co., Rialto bldg (See Milwaukee, Wis.)
See adv index at end of book
§American Brass Mfg. Co., Inc., 731 Folsom
American Machine & Mfg. Co., 441 Folsom
*Archibald Co. (Screw Machine Products), 667 Howard
*§Atlas Brass Works, 612 Bryant
*Atlas Mfg. Co. (General Machine Work), 154 1st
*†Betts Spring Co. (Carriage, Wagon Auto Truck, Automobile, & Car Springs), 888 Folsom
Bianchi's Machine Shop, 221 Bay
*Binns Machine & Tool Works, 71 Perry
*Blasauf John, 81 City Hall av
*Boesch Lamp Co. (Electric Plating), 962 Mission
*Brunig Robert, 523 Brannan
*†Bunting Iron Works (Oil Burners & Concentrators), 1215H 1st Nat'l Bank bldg
†§California Artistic Metal & Wire Co., 349 7th
*California Saw Works (Saws & Machinery), 721 Brannan
*California Tool Works (H. A. & W. E. Weichhart, Props), (Machinists & Dies & Models, etc), 181 Beale
*Cereghino D. (Pumps, etc.), 4445 Mission
*Christie Machine Works, 222 Howard
*Clot E. Mach. Work, 940H Bryant
†Coast Foundry Co., South
*†Coast Supply Co. (Brass & Iron Founders), 590 Howard, San Francisco, Cal.
*Columbia Machine Works, 160 Spear
†Columbia Steel Co. (Open-Hearth Steel Castings, 351H California
*Conner & Hunt, 566 Folsom
Conner Mfg. Co., 225 Natoma
Cooper Mfg. Co., 1286 Folsom
*Corliss Gas Engine Co. (Gasoline & Oil Engines), 440 Market
*Cyclops Iron Works (Cranes & Ice & Refrigerating Machinery), 837H Folsom
David P. Co., Sharon bldg
*Davis Norris K. Machine Works, 7th & Harrison
*§Day Thos. Co. (Brass Fdrs. & Finishers), 719 Mission
*De Lano Bros., 70 Spear
Dibert L. C. Co., 35 Minna, Dept. H
*Doak Gas Engine Co., 503 Market
*†§Dow Pump & Diesel Engine Co. (Pumps, Hydraulic Machinery, etc), 311 California. Works: Alameda, Cal.
*†Dundon Iron Works (Engines, Boilers, etc.), 225 Folsom
*Dyer Bros. Iron Works (Bldrs. Iron Work), 17th & Kansas
*†Dyer F. G., 770 Folsom
*Elec. Mfg. Co., 59H New Montgomery
*Elec. Novelty Works, 965 Howard
*Electrical Mechanical Specialties Co., 24 12th
*†Enterprise Foundry Co., 2902H 19th
†Eureka Fdry.
*Evans C. H. & Co. (Engines, Pumps, etc), 179 Fremont
*Excelsior Brass Wks., 1163H Bryant
Fair Mfg. Co., 617 Bryant
*Franklin Machine Co. (Gas Engines), 126 Folsom
*Galli Machine Works (Machinists), 429 Tehama
*§Garratt W. T. & Co. (Brass & Bell Founders & Machinists), 299 Fremont
*General Engineering & Dry Dock Co., Inc., 1013 Battery
*Gilbert Machine Works, 355 Folsom
§Golden Gate Brass Mfg. Co., 1239 Sutter
*†§Golden Gate & Miners Iron Wks. (Engines & Mining Machinery), 249 1st
*†Graham Jas. Mfg. Co. (Stove & Range Mfrs. & Light & Grey Iron Casting), 531 Mission
*Gray J. A. Co. (Presses, Dies, Tools, etc.), 18th & Bryant
*†§Greenberg's M. & Son (Plating Works, etc.), Folsom & Alice
*Griffitts T. H. Machine Works, 20 Clementina
*Griffitt's Machine Works, 22 Clementina
Hall Scott Motor Car Co., Inc., 818 Crocker bldg
†*Hansen & Bain
*†§Hendy Joshua Iron Works (Mining Machinery), 75 Fremont
*Herman Safe Co., 216 Fremont
†Ils John G. & Co. (Stoves, etc.), 832 Mission
†Jackson P. H. & Co. (Arch's Iron & Steel Work, Sidewalk Lights, etc), 237 1st
*Jenkins W. M. Machine Works, 18th & Treat av
*†§Judson Mfg. Co. (Machine & Bridge Work Castings), 819 Folsom
†Kingwell Bros. California Brass Works (Brass Castings Only), 444 Natoma
*§Krenz Oscar Copper & Brass Works, 612 Bryant
§Liberty Brass & Bronze Fdry., 248 Tehama
*Liberty Machine Co., 2857 26th
*LINK-BELT MEESE & GOTTFRIED CO., 19th & Harrison
†§McCormick Bros., 617H Bryant
†McKay Foundry Co., 17th & Missouri
*Main Iron Works, 16th & Daggett
*Mann Mfg. Co., 454 Golden Gate av.
†Mission Foundry & Stove Works, 2256 Harrison

(Continued on following page)

Machinists & Founders—Continued

CALIFORNIA—SAN FRANCISCO—Cont.
*Mitchell J. F. Machine Works, 840 Folsom
†Moore Noble Foundry Co., 17th & Texas
*†Muir & Symon (Marine Iron Machine Works), 1015 Battery
*Murray Bros. Machine Works, 233 Folsom
*National Machine Works, 819 Bryant
*Neptune Machine Works (Jobbers), 221 Tehama
§*New Speed Carburetor Co.
*North Machine Co., 324 Main
*O'Brien Iron Works, 497 5th
*†Ocean Shore Iron Works (Boilers, Tank, Structural Works), 550 8th
*Orton Machine Co., 325 Fremont
§Pacific Brass & Bronze Foundry, 528 Folsom
*†Pacific Foundry Co. (Smelting Machy., "Corrosiron" Acid Proof Castings. "Flintcast," White Iron Castings), 18th & Harrison
*Pacific Gear & Tool Works (Cut Gears, etc.), 1035 Folsom
†Pacific Metal Works, 153 1st
†*Pacific Rolling Mill Co., 17th & Mississippi
†Pacific Sanitary Mfg. Co., 67 New Montgomery
*†Pacific Ship Yards & Ways Co., 24 California
*†Pacific Structural Iron Works, 10th & Harrison
*Pacific Tank & Pipe Co. (Mining Equipment), 318 Market
*†Pelton Water Wheel Co. (Water Wheels for Power, etc.), 19th & Harrison
Price G. W. Pump & Engine Co., 1350 Folsom
*Rebizzo M. & Co., 414 Broadway
Rincon Foundry Co., 351 7th, Dept. H
*†§Rudgear-Merle Co. (Brass & Iron Bedsteads, Art Metal Work & Castings), 198 Bay
§Sanders Copper & Brass Works, 431 Folsom
§San Francisco Brass Foundry, 48 Clementina
*San Francisco Engng. Co. (Machinery), 322 6th
†San Francisco Iron Works, 45 Shotwell
*†San Francisco Stove Works (Stoves, Ranges, Castings, etc), 260 Townsend
†§Sartorius Co. (Arch'l Iron Works), 15th & Utah
*Schilling Adam & Sons (Gas Engines), 211 Main
*Schneider A. Engineering Works, 1414 15th
†Schrader Iron Works, 1249 Harrison
*Smith & Scanlon, 137 Spear
*Speck Mfg. & Gear Co. (Extractors, Washers & Dryers), 2130H Folsom
*Spencer Elevator Co., 166 7th
§*Standard Brass Casting Co.
*Standard Machine Co., 252 Townsend
†§Steiger & Kerr Stove & Foundry Co. (Stoves, Mining Machinery, Bridge & Building Castings, etc.), 2201H Folsom
†Thompson Bros., 625 Brannan
Union Construction Co., H, Balfour bldg
*Union Machine Co., 934 Brannan
*United Engineering Co., 272 Steuart
*†§United Iron Works (Centrifugals, Pumps & Mining Machinery, etc.)
*United States Pipe Bending Co., 315 Howard
*Universal Steel Products Co., 574 Bryant
*†Van Emon B. C. Elevators Co., Inc. (Electric & Hydraulic Elevators), 235 1st
Victory Machine Works, 561 Howard
*†Vulcan Iron Works (Engines, Ice & Refrigerating; Mining Machinery), 1849 Kearny
*Welshons & Symon, 3648 18th
*§Western Brass Mfg. Co., 217 Tehama
Western Foundry (Iron Only), 912 Folsom
†Withington C. W. (Ornamental Iron Work), 416 2d
*Witt G. E. Co. (Fuel Oil Burners), 862 Howard
†*Yuba Mfg. Co. (Tractors & Dredges), 433 California
SAN JOSE—*†Anderson-Barngrover Mfg. Co. (Fruit Grading & Packing Machines)
*Axford & De Shields, Chestnut & University
*†Bean Spray Pump Co., W. Julian
*†California Plow Co., 140 Polhenus
*Campbell & Buldong Machine Works, 890 S. 1st
*Farmers' Job Shop, W. Julian & Pleasant
†Garden City Brass Works
*Hellwig R.
†Krause Otto
*Nash Engelhardt, Silva Mfg. Co., 502 W. Santa Clara
*National Axle Corp., Oakland & Berryessa rd
*†§San Jose Foundry
*Western Well Works, Inc., 452 W. Santa Clara av
*Wight Machinery Works
SAN LEANDRO—Junior Monarch Hay Press Co. (Hay Presses, etc.)
SAN PEDRO—*Hipple W. B.
SANTA BARBARA—*†§Western Machine & Foundry Co.
SANTA CRUZ—†§*Enterprise Mach. Wks.
SANTA MARIA—*Roemer & Roemer (Pipe Wrenches)
SANTA ROSA—†§*Yandle, W. J.
SELMA—*Vincent M. (Agr'l Implts.)
SONORA—*§Curnow R. C.
*Damas & Francis
†§Engng. & Fdy. Co.
STOCKTON — Augustine Brass Foundry, 1137 S Pilgrim
Engineering & Foundry Co.
Geiger Iron Works, Scott & Union
*Harris Mfg. Co. (Harvesters)
*†§Holt Mfg. Co. (Agricultural Implements, Traction Engines, etc.)
*†Monarch Foundry Co., Sacramento & Oak
*Shaw H. C. Co. (Harrows & Plows)
*†Sterling Pump Works, 646 S. California
*†§Stockton Iron Works (Castings, Excavators, etc.)
SUNNYVALE — †§*Hendy Iron Wks. Joshua
SUTTER CREEK—*†§Knight & Co. (Water Wheels, Castings, etc.)
TORRANCE—Union Tool Co. (Oil & Gas Well Machinery, Grey Iron Castings, Engines, etc.), H Union Oil bldg
TUOLUMNE—*†Holman F. C.
UPLAND—*†§Upland Foundry & Machinery Co.
VALLEJO—†§*U. S. Navy Yard Fdy
VENTURA—*†Ventura Mfg. & Implement Co. (Agrl. Implts., etc.)
VISALIA—*†§Coats J. R.
WOODLAND—†Faulkner D. A.

COLORADO.

ASPEN—*†§Mellor Jos.
BLACK HAWK—†&* Black Hawk Fdy. & Mach. Co.
*†§McFarlane & Co.
*Stroehle Machinery & Supply Co.
BOULDER—*†Develine Foundry & Machine Works
CENTRAL CITY—*†§McFarlane & Co. (Mining Machinery etc.)
COLORADO SPRINGS—*†Hassell Iron Works Co. (Steel Structural Work, Iron & Brass Castings, etc.)
DENVER—*Ajax Iron Works Co., 1709 Blake
*Andersen Chas. M. (Tools), 1831 Blake
Box Wm. A. Iron Works Co. (Mining Machinery), 3309 Blake
*Cahn-Forster Electric Co., 209 15th
†Capitol Foundry Co., 1800 W Colfax
*Card C. S. Iron Works Co. (Mining Machy.), 2501 W 16th
§Colorado Brass Foundry Co., 941 Santa Fe
*†§Colorado Fuel & Iron Co. (Iron, Steel & Brass Castings, All Consumed by the Company; also Machines for Roll Turning, Repairs, etc.)
*†Colorado Iron Works Co. (Mining & Smelting Machinery, Iron Forgings, etc.)
Davoreen Brass Finishing Works (Brass Founders & Finishers)
*†Denver Engineering Works Co. (Mining Machinery, Iron Forgings, etc), Casper bldg
*†Denver Iron Works & Foundry Co. (Grey Iron Castings), 1403 W. Colfax
*Denver Rock Drill Mfg. Co. (Rock Drills, etc.)
†Enz Iron Fdry Co. (Iron Castings, etc), 1410 W Colfax
*§Flint Eectric & Mfg. Co.
*Gair & Binderup, 1220 Wazee
*†Great Western Furnace Co., 420 W Warren av
*†Griffin Wheel Co. (See Chicago, Ill.), U. S. National bldg
*Hendrie & Bolthoff Mfg. & Supply Co. (Mining & Mill)
*Hingley J. A. Machine Co.
*Home Embroidering Machine Co. (Embroidering Machines)
*McFarlane Eggers Machy. Co. (Mining & Milling Machinery, etc.)
*†Maclear Mfg. & Supply Co., 341 Navajo
†Magnus Metal Co., 1241 12th
*†Mine & Smelter Supply Co. (Mining Machy. & Castings), 17th & Blake
*Nock & Garside Elevator Co. (Elevators, etc.)
†*Plain Iron Works Co., 8th & Larimer
†Pioneer Iron & Wire Works Co., 1435 Market
*Plattner Mfg. Co. (Agricultural Implements), 1453 Wazee
*§Queen City Brass Works, 1431 Blake
†Queen City Foundry Co.
*Sachs-Lawlor Machine & Mfg. Co., 1543 Larimer
*§Slack-Horner Brass Mfg. Co. (Brass, Copper, Gold, Nickel, Silver, etc), 1638 Blake
*†§Stearns-Roger Mfg. Co. (Mining & Sugar Machy., Brass & Grey Iron Casting, etc), 1720 Calif.
*Stebbins Mfg. Co., 1737 Blake
*†Walker Mfg. Co. (Mining & Power Transmitting Machinery), 2156 15th
†Western Iron Foundry Co., 1320 Wazee
DURANGO—*†§Ball John R. Foundry & Machine Works
GREELEY—*Brown Peter (Potato Harvesting & Sorting Machinery)
LEADVILLE—†§McCarthy & Moore
MONTE VISTA—*Elliott D. J.
PUEBLO—*†§Colorado Fuel & Iron Co. (See Denver, Colo.)
*Hochenauer Joseph
*†§Ortner Geo. J. (Brass Fdry., etc.)
†§Pueblo Brass & Iron Foundry (Iron & Brass Fdrs., etc.)
*†§Stearns-Rogers Mfg. Co. (Mining Machinery)
ROCKY FORD—*†§Goodner Pump & Mfg. Co.
TRINIDAD—*†§Trinidad Fdry & Machine Co.

CONNECTICUT.

ANSONIA—*Ansonia Electrical Co. (Electrical Specialties)
§Ansonia Fdry. Co.
*Ansonia Mfg. Co. (Brass Goods)
*Cock H. C. Co. (Special Machinery & Brass Novelties), 29H Beaver
*†FARREL FOUNDRY & MACHINE CO. (Paper Mill, Rolling Mill & Rubber & Sugar Mill Machinery), 30 Main
See adv index at end of book
†§Phelps H. D. (Brass Foundry)
BANTAM—*Bantam Ball Bearing Co. (Ball & Roller Bearing Motors & Motor Vehicles, etc)
BEACON FALLS—*§Bronson Homer D. Co. (Brass Hinges)
BRANCHVILLE—*Gruman Ice Tool Wks., Inc. (Ice Tools, etc.)
BRANFORD—Malleable Iron Fittings Co. (Malleable Iron Pipe Fittings & Semi-Steel & Steel Castings)
BRIDGEPORT—*†Acme Shear Co., 82 Hick
*Adams A. L. (Corset Machinery), 307 Center
*†American Chain Co., 929 Connecticut
*Amer. Specialty Co. (Metal Stamping), Dept. H, 165 Holland av
*American Tube & Stamping Co. (Sheet Metal Goods, etc), 471 Hancock
*†American & British Mfg. Co. (Corliss Engines, Driving Wheels, etc.) (See Providence, R. I.)
*Anderson Die Machine Co. (Die Forming & Muzzling, also Tapping Machines)
*Armstrong Mfg. Co. ("Armstrong," Pipe Cutting & Threading Machines, etc), 305 Knowlton
*Atlas Shear Co. (Shears), 230 North av
Atlas Tool Works (Special Machy), 488 John
*†Automatic Machine Co. (Automatic & Special Machinery), 113 E Wash.
*Baird Machine Co. (Safety Toilet & Badge Pin Machinery), Stratford
*§Bassick Co., 38 Austin
*§Belknap Mfg. Co. (Brass Fdrs. & Brass Goods for Steam, Gas & Water), 800 Union av
*†Bilton Machine Tool Co., The (Slotting & Gear Cutting Machines, etc)
*Black Rock Machine Co. (Marine Engines, etc.), Ft. Hancock av
*Breul Fred G. (Punch & Die Work Machinery, etc.), 282 Kossuth
†Bridgeport Brass Co., Dept. H
*Bridgeport Chain Co. (Chains, etc) *See adv index at end of book*
§Bridgeport Deox Bronze & Metal Co. (Deoxidized Bronze Ordnance, Comp. Castings, etc), 455 Iranisten av
†Bridgeport Malleable Iron Works (Branch of Eastern Malleable Iron Co.) (Malleable & Grey Iron Castings), 719 South av
*Bridgeport Motor Co. (Gasoline Motors, etc), 105 Kossuth
*Bridgeport Rolling Mills, Inc. (Brass & Bronze Rolling Mills), Bruce & Stratford av
BRIDGEPORT SAFETY EMERY WHEEL CO. (Emery Wheel Machinery), 88 Knowlton
See adv index at end of book
*Bryant Electric Co. (Electrical Specialties), 1421 State
*Bullard Machine Tool Co. (Machine Tools, Machine Shop & Foundry Equipment), Brewster & Canfield av
Carnahan Industrial Engineering Corp., 1555 Railroad av
Cedar Tool & Gage Corp. (Jobbing, Special Machinery, Tools, etc.) 1862H State
*Connecticut Clasp Co. (Clasps, etc.), Park av
†Connecticut Electric Steel Co., 540 Flatbush av
*Consolidated Safety Valve Co., Elias
*Cornwall & Patterson Mfg. Co., Bdfd. & Fairfield
*†Coulter & McKenzie Machine Co. (Rivet & Spring Machy., Presses, Punches, Shears, Drop Hammers, etc), 771 Water
*Curtis & Curtis Co. (Pipe Cutting & Threading Machines, Stocks & Dies, etc), 188 Gardner

†Eastern Malleable Iron Co., 719 South av
•Empire Sales Co. (Tire Valves), 90 Silliman
•Gaynor Mfg. Co. (Brass Novelties)
General Machine & Mfg. Co. (Punches, Dies, Jigs, Tools, 544 Irnstn. av
•Grant Mfg. & Machine Co. (Riveting Machines & Tool Post Grinders, etc)
•Hall C. W. Carriage Co., 322 Dwy.
§Hamilton Jno. Brass Works (Brass Fdry & Finisher, Plumbers' Brass Goods), 152 Midde.
•Hatheway Mfg. Co. (Metal Goods & Dies)
•Hubbell Harvey (Inc.) (Screw Slotting & Riveting Machines)
•§Jennings Bros. Mfg. Co., 219 Elm
•Kruchkow Bros. Iron Works (Jobbers), rear 157 Stratford av
•Lake Torpedo Boat Co. (Submarine Torpedo Boats), Seaview
•Lindstrom Die, Tool & Gauge Wks. (Inc.) (Special Machy. & Tools), 50 Silliman av
Manning Maxwell & Moore, Inc. (Ashcroft Mfg. Co. Div.)
See adv index at end of book
†Manufacturers' Iron Foundry
§Monumental Bronze Co. (Bronze Monuments, etc.)
•Nilson A. H. Machine Co. (Special Automatic Machinery, etc), 55 William
•Pedersen Mfg. Co. (Special Machinery, Tools, etc.), 236 Middle
†Pequonnock Foundry (Gray Iron Castings, etc)
•Raybestos Co. (Auto Brakes, etc.)
•Ready Tool Co. (Lathe Tools)
•Remington Arms.-Union Metallic Cartridge Co., Inc., Amm. Brmn. av
•Sanford F. C. Mfg. Co. (Surface Grinders & Vises), 2060H Fairfield av
•§Sanford David C. Co., 39 Drive
•Singer Mfg. Co. (Sewing Machines, etc), 803 E Washington av
§Smith Co., Inc., L. C., 156 Fairfield
Spafford Machine Screw Works (Screw Machine Products), 1516 Asylum
•Special Machinery Co. (Automobile Machinery), 38 Remer
See adv index at end of book
•Sprague Meter Co. (Gas Meters, etc.)
•Spring Perch Co. (Springs, etc.), Long Bark av
•Springfield Mfg. Co. (Emery Wheel Machinery)
•†Standard Coupler Co. (Car Couplers & Steel Platforms, etc.) (See New York), 24 Corise
•Standard Oil Engine Co. (Gas Engines, etc)
§Stanley Bronze Co. (Brass, Bronze & Copper Castings), 85 Holland av
•Trumbull F. S. (Special Tools), 319 Mill Hill av
•Victor Caster Co.
•Weidlich Bros. Mfg. Co. (Metal Goods & Novelties), Conn. av & Florence
•Wheeler Insulated Wire Co., 1188 Main
•White Mfg. Co. (Carriage Lamps & Mountings etc), 155 Cannon
•Wolverine Motor Works (Marine Engines, etc), 35 Union av

BRISTOL—•Barnes The Wallace Co. ("Barnes-Made," Steel Springs, etc.) *See adv index at end of book*
•§Bristol Brass Co. (Brass Mfrs. & Brass Castings, etc.)
†Clayton Mfg. Co. (Shears, Light Hdwe., etc.)
•Dunbar Bros. Co. (Springs)
See adv index at end of book
•Horton Mfg. Co. (Steel Fish Rods, etc.)
•§Ingraham E. Co. (Clock Mfrs.)
•Ladd W. C. (Clocks, Bells & Light Hdw.)
Lawson C. E. Brass Fdry.
•§New Departure Mfg. Co. (Bell Founders & Mfrs.)
See adv index at end of book
•Root Chas. J. Co. (Registering Machines, Wrought Brass Hinges, etc)
•†Sessions Foundry Co. (Grey Iron Castings, Rivets, Washers, etc.)
•Snyder L. H. & Co. (Floor & Ceiling Plates)
•Thompson H. C. Clock Co. (Clock Movements)
•Turner & Deegan (Bit Braces, etc.)

BROOKFIELD—•Lenox Shear Co. (Shears, etc)

CENTERBROOK — •Connecticut Valley Mfg. Co. (Bits)

CHESTER—•Deuse J. S. (Gimlets, etc.)
•Jennings Russell Mfg. Co. (Augers, Bits, etc.)

COLLINSVILLE — †Collins Co. (Pows, Tools, etc.)

COSCOB—•†§Oarr H. J. & Son (Iron Castings, etc.)
•Palmer Bros. (Gasoline Motors, etc.)

CROMWELL—†Stevens J. & E. Co. (Toys, Hardware, etc.)
•Warner Hammer Co. (Hammers, etc.)

DANBURY—•Boesch Mfg. Co. (Tools, etc.)
•Doran Bros. (Hatters' Machinery)
•Heim Machine Co. (Hatting Machy.)
•Henebry Thos. F. (Brass Foundry)
•Hoe Frank H. Co. (Contract Machinists)
•Morlock Machine Works (Hatters' Machy.)
•New Machine Co. (Machinists')
•Russell Electric Co. (Electrical Goods)
•†§Turner Machine Co. (Hat Machy.)

DANIELSON—•Bradford Thos.

DERBY—•†Birmingham Iron Foundry (Rubber Mill & Rolling Mill Machinery, Iron & Semi-Steel Castings, etc.)
†General Ordnance Co.
Liberty Tool & Machine Co., Dept. H
•Weimann Bros. Mfg. Co. (Special Machy. & Tools)

EAST HAMPTON—•†§Bevin Bros. Mfg. Co. (Bell Fdrs. & Mfrs.)
•Brown H. B. Co. (Bolt & Nut Mchy.)
§East Hampton Bell Co. (Bell Fdrs. & Mfrs.)
§Gong Bell Mfg. Co. (Bell Fdrs. & Mfrs.)
•†§Hill N. N. Brass Co. (Bell Fdrs. & Bell Mfrs.)
•†§Starr Bros. Bell Co. (Bells, Gongs, etc.)

ESSEX—Hayden L. S.

FAIRFIELD—Aluminum Manufacturers, Inc., Dept. H

FARMINGTON—•Wallace N (Lightning Rods)

FORESTVILLE—•National Marine Lamp Co.
•Sessions Clock Co. (Clocks, etc.)

GEORGETOWN — •†Gilbert & Bennett Mfg. Co. (Wire Goods, etc.)

GLENBROOK—Emery A. H.

GROTON—•†New London Ship & Engine Co.
Vanadium Metals Co.

GUILFORD—•†§Spencer's I. S. Sons Inc. (Gray Iron Castings, etc.)

HARTFORD—Ainsile Machine & Tool Works (Universal Joints, Drill Vises, Tools, etc.), 35 Jefferson av
•Allen Mfg. Co. (Safety Set Screws, etc.), 133 Sheldon
See adv index at end of book
Automatic Refrigerating Co. (Refrigerating Machines)
•†Capitol Foundry Co.
•Clark E. R. Co. (Air Motors, etc), 182 Pearl
•Colt's Patent Firearms Mfg. Co., 17 Vandyke av
Conn Blower Co. Inc., 133 Sheldon
•Cook Asa S. Co. (Wood Screw Machinery, etc.)
•Cooley & Trevor Mfg. Co. (Envelope Machy., etc), 1 S Ann
§Craig Jno. M., 69-71 Arch
•Cushman Chuck Co. (Lathe & Drill Chucks, etc.), 806 Windsor
•Evarts Machine Co. (Gas & Gasoline Engines, etc), 17 Francis av
•GRAY & PRIOR MACHINE CO. (Universal Joints, etc), 96 Suffield
See adv index at end of book
•Hanson-Whitney Machine Co. (Thread Milling Machines, etc.), 75 Bartholomew av
•HART MFG. CO., 230 Hamilton (Electric Switches, etc.)
See adv index at end of book
•Hart & Hegeman Mfg. Co. (Electric Switches, etc.)
•Hartford Automotive Parts Co. (Universal Joints & Cone Clutches), Dept. H, Russ & Lawrence
•Hartford Machine Screw Co. (Automatic Screw Machinery, etc.)
•Hartford Special Machinery Co. (Special Machy. & Contract Work)
Henry & Wright Mfg. Co. (Machine Tools), 760 Windsor
•Herith O. B. Mfg. Co. Inc. (Special Machinery & Tools), 983 Main
•§Howard Jas. L. & Co. (Brass Founders & Finishers, Plating, Polishing, Lacquered, etc.)
•Jacobs Mfg. Co. (Drills, Chucks), 894 Park
•Johns-Pratt Co. (Electrical Goods, etc.)
•Johnson Carlyle Machine Co., Manchester Exchange
†Laragy P. (Gray Iron Castings)
•Law F. A. Machine Co. (Marine, Stationary & Automobile Engines), Main Newington Center
•Lee H. K. (General Machine Works), 223 State
•Leppert Chas. H. (General Machine Work), 100 Walnut
•Little M. S. Mfg. Co. (Plumbing Goods), 151H New Park av
•Merrow Machine Co. (Sewing Machines, etc.)
•Mutual Machine Co. (Universal Joints, etc), 27 Wells
•National Machine Co. (Machine Tools & Printing Presses), Church & Wthrsfld.
•Neilsen & Wilson Tool Co., 133 Sheldon
Noble & Westerbrook Mfg. Co. (Grinders, Buffing & Polishing Lathes, Marking Machines, etc)
†Philbrick-Booth Foundry Co., 367H Homestead
•Pickering W. H. & Co. (Eng. & Machinists), 92 Outlook
•Post & Lester Co. (Auto Supplies), 112 Allyn
•†§Pratt & Cady Co. (Hydrants, Valves etc)
•Quint A. D. (Machine Tools, etc), 8 Clinton
•Rhodes L. E., 107 Oak
•Rhodes Mfg. Co. (Shaping & Slotting Machines), 984 Park
•Royal Typewriter Co. Inc. (See New York), New Park av
•Sexton Machine Co. (Special Machinery), 308 Pearl
•Sigourney Tool Co. (Drill Presses, etc.)
•Smyth Mfg. Co. (Bookbinders' Machinery), 9 Sigourney
Spencer Turbine Co. (Organ Motors, etc), 484 New Park av
•Sterling Blower Co. (Blowers, Fans, etc.)
•Taylor Mfg. Co. (Lathe & Planer Tools), 18 Asylum
•†Taylor & Fenn Co., (Machine Tools, Drills, etc), 57 Arch
•Terry Steam Turbine Co.
•Townsend H. P. Mfg. Co.
•Tucker W. B. & C. F. (Oil Hole Covers & Cups, etc), 191 Franklin
•Underwood Typewriter Co., 304 Asylum
•Veeder Mfg. Co. (Cyclometers, Odometers, Counters, Speed Counters, & Fine Die Castings)
•Way A. F. Co., Inc. (Special Machinery & Tools), Dept. H
•Walton Co.
•†§Whitlock Coil Pipe Co. (Pipe Benders, Brass & Sheet Metal Work)
•Whitney Mfg. Co. (Machine Tools, etc.)

HIGGANUM — •†§Cutaway Harrow Co. (Harrows, etc.)
Scovil D. & H. (Planters, Hoes, etc.)

HIGHLAND PARK—•Case A. W. & Son

IVORYTON—•Behrens & Bushnell (Machinists)

LIME ROCK — •†Barnum-Richardson Co. (Car Wheels, Castings, etc.)

MANCHESTER—•Johnson Carlyle Machine Co. (Friction Clutches, etc.)
•Gammons-Holman Co. (Taper & Pin Reamers)
(Taper & Pin Reamers)
•Johnson Carlyle Machine Co. (Friction Clutches, etc.)
•Lydall H. & Foulds (Machine Needles, etc.)
•Norton Elec. Instrument Co. (Elec. Instruments, etc.)

MERIDEN—•†§Bradley & Hubbard Mfg. Co. (Bronze Goods, etc.)
•Browne & Dowd Mfg. Co. (Can Openers, etc.)
•Crescent Co., Inc. (Saws, Screw Drivers, etc.)
•†§Foster, Merriam & Co. (Cabinet Hardware, Brass Fdrs., etc.)
•§Handel Co. (Lamps)
•Jennings & Griffin (Edge Tools)
•Kelsey Press Co. (Printing Presses, etc.)
•Manning, Bowman & Co. (Bottlers' Machinery, etc.)
•Meriden Machine Tool Co. (Lathes & Screw Machines)
•Meriden Press & Drop Co. (Power Presses, Drop Hammers, Dies & Tools)
•§Miller Edw. & Co. (Brass Fdrs. Lamps, etc.)
•Parker Bros. (Guns, etc.)
•†§Parker Chas. Co. (Vises, Coffee Mills, etc.)
•Parker Clock Co.
§•Wallace Co., F. J.
•Wheeler Frank & Son
•Wusterbarth Bros.

MIDDLEFIELD—•†Lyman Gun Sight Corporation (Gun Sights, etc.)
§•Chapman Co., N. H.

MIDDLETOWN—•†§Douglas W. & B. (Pumps, Garden Engines, etc.)
•Draper & Hall Co. (Grinders), Dept. H
•Frisbie Motor Co. (Marine Engines)
•†Hubbard Motor Co. (Gasoline Motors)
•Mermaid Dish Washer Co., Dept. H
•New England Enameling Co.
•Noiseless Typewriter Co. (Main Office)
Palmer T. E. Co.
•†§Wilcox, Crittenden & Co., Inc. (Marine & Awning Hdw. & Grey & Malleable Iron & Brass Castings) 444 S Main
See adv index at end of book

MILFORD—•Atlantic Mfg. Co. (Screw Machine Products)
•Baldwin C. S. Mfg. Co. (Stamped & Turned Metal Specialties), Cherry
Grimes P. L. (Jigs, Fixtures, Gages & Small Tools)
•Milford Machine & Tool Co. (Special Machinery & Tools), H New Haven av
•§Rostand Mfg. Co. (Racks, Brass Goods, etc.)

MOODUS—•Brockway & Meckensturm Machine Co. (Cotton Machy.)

MT. CARMEL—•†§Mt. Carmel Mfg. Co. Plumbers' Brass Goods), 2994 Whitney av
•†§Woodruff Walter W. & Sons Co. (Brass Fdrs., etc.)

MYSTIC—•†Lathrop J. W. Co. (Gas Motors)
•†§Standard Machinery Co. (Bookbinders' Machy.)

(Continued on following page)

Machinists & Founders—Continued

CONNECTICUT—Continued

NAUGATUCK—†Eastern Malleable Iron Co. (Malleable Iron & Semi-Steel Castings, etc)
*Risdon Tool & Machine Co.
*§Russell J. M. Mfg. Co. (Plumbers Supplies)

NEW BRITAIN—*†Beaton & Cadwell Mfg. Co. (Ceiling Plates, Steam Heating Supplies, etc.)
*†Corbin Cabinet Lock Co. (Division of Am. Hardware Corpn.) (Locks, etc.)
*§†Corbin P. & F.
§Danberg Co., C. A.
*Hart & Cooley Co. Inc.
§Kinne W. A. (Brass Fdry.)
§†*Landers, Frary & Clark (Brass & Iron Fdrs., etc.)
*†Malleable Iron Works ("H. & A." Malleable & Grey Iron Castings)
*New Britain Machine Co. (Automatic Chucking & Screw Machines, Woodworking Machinery, etc), 190 Chestnut
*New Brtiain Tool Co. (Machinists)
*†§North & Judd Mfg. Co. (Brass, Bronze & Malleable Castings, etc.)
§Osborne George H.
*Prentice G. E. Mfg. Co. (Suspender & Garter Trimming), Dept. H
†§*Russell & Erwin Mfg. Co.
Skinner Chuck Co. (Chucks & Vises)
Stanley Rule & Level Plant (Planes, Try Square Gauges, etc.)
*Stanley Works
See adv index at end of book
*†Union Mfg. Co. (Drill & Lathe Chucks, Light Grey Iron Castings, etc.)
†Vulcan Iron Works of Eastern Malleable Iron Co. (Malleable & Grey Iron Castings, etc.)

NEW HAVEN—†Adlerhurst Iron Co. (Architectural), 52 Richards
*Barnum S. H. (Iron Fdrs., Grey Iron Castings, etc), 20 Whitney
*Beebe W. S. Co., 338 York
*Belden Machine Co. (Dies & Models, Tools, etc), Tyron
*Bigelow Co. (Boilers)
*Bishop W. S. (Electroplating Machinery, etc), 63 Bradley
§Central Brass Co., 140 State
§*Cowles & Co., C.
*Driggs Ordnance & Mfg. Corp. (Automobiles, Lathes, etc.)
Dudley Co., New & Second Hand Mach.
*E. V. B. Mfg. Co. (Automobile Door Locks, Hinges, Mountings, etc.), 348H York
*Eastern Mach. Screw Corp. (Elevators, Friction Clutches, etc.), Dept. H, Truman & Barclay
§Ely C. Upham
*§English & Mersick Co. (Coach Lamps & Trimmings, etc)
*Exell Mfg. Co. (Conductors' Ticket Punches)
*†Foskett & Bishop Co. (Steam Traps & Steam Specialties, etc.)
§Fritzell Oscar Foundry Co., 49 Middletown
Fritzell Oscar (Brass Founder), 51 Chestnut
*†Fuller Mfg. Co. (Printers & Bookbinders' Machy, etc), 129 Church
*Geometric Tool Co. (Special Machy., Screw Cutting, Die Heads, Hollow Milling Tools, etc.)
§Graham Jas. & Co. (Brass Fdrs.)
*Greist Mfg. Co. (Sewing Machine Attachments, etc)
*Griswold Geo. M. Machine Co. (Paper Box Machy., Dies, Tools, etc), Brdly. & William
*Hemming Bros. Co. (Automatic Polishing & Grinding Machy.), 205 River
*Herrick & Cowell (Paper Box Hardware, Electrotype & Special Machinery)
*Hoggson & Pettis Mfg. Co. (Chucks, Dies, Tools & Special Machinery, etc.)
*§Ives H. B. Co. (Brass & Bronze Fdrs.)
*†McLagon Foundry Co. (Machine Molded Furnace & Machy. Castings, Pulleys, etc.)
§Magnus Co., Inc. (For Foundry Only), 60 Eddy
*New England Wire Machinery Co. (Special Machinery), water front, cor. Stiles
*New Haven Machine Co. (Cylinder & Crankshaft Grinding), 157H Orange
New Haven Screw Co., 199 Foster (Screw Machine Products)
See adv index at end of book
*†§North O. B. & Co. (Malleable Iron Fdrs.)
*Ochsner A. & Son (Carriage Locks & Specialties), 1060 State
Oven Equipment & Mfg. Co., P. O. Box 1923
See adv index at end of book
*§Peck Bros. & Co. (Brass Fdrs. & Plumbers' Brass Goods & Supplies)
*Peck John L. & Co.
*Rattan Mfg. Co.
*†§Reynolds Jas. Mfg. Co. (Sand Molding Machines & Brass Fdrs.)
*Rockbestos Products Corp.
*†Safety Car Htg. & Lighting Co., Dixwell & Putnam avs
†§*Sargent & Co., Water & Walce
*Scholihorn Wm. Co. (Pliers, Nippers, Punches, etc), 414 Chapel
*Scranton & Co., 157 Church
*SHUSTER F. B. CO. (Wire Straightening & Cutting Machines), Cedar Hills *See adv index at end of book*
*Snow & Petrelli Mfg. Co. (Yacht Cann. Marine Reversing Gears, etc), 152 B'way
†Stannard Iron Foundry
†Standard Iron Work Co., 13 Lawrence av
*Tremper-Shields Co. (Special Machinery), 141 Brewery, New Haven, Conn.
*†Warner G. F. Mfg. Co. (Grey Iron Castings, etc), James & Est.
*Westinghouse Air Spring Co. (Shock Absorbers), 25 Fox
*Winchester Repeating Arms Co. (Rifles, Guns, etc)

NEW LONDON—*Babcock Printing Press Mfg. Co. (Printing Presses, etc.)
*†§Brown Cotton Gin Co. (Cotton Gins, etc.)
*Connecticut Turbine Mfg. Co. (Steam Turbines)
*†Hopson & Chapin Mfg. Co. (Heating Apparatus, Grey Iron Castings, etc.)
*Lapointe J. N. Co. (Broaching Machines)
*†§New London Marine & Iron Works (Fdrs., Machinists, Marine Railway)
*New London Vise Works (Vises, etc.)
*Thames Tow Boat Co.
Whiton D. E. Mfg. Co. (Machine Tools, etc., Lathe & Drill Chucks)

NEW MILFORD—*Arcade Machine Wks.
*†§New Milford Foundry & Machine Co.

NORTH WINDHAM—*Hartson L. M. Co.

NORWALK—*†Arnold Co. (Textile Machinery)
*†Meeker's Union Foundry Corp'n

NORWICH—*Barber M. A. (Cork Cutting Machy.)
*§Bard Union Co. (Unions, etc.)
*Bowes Walter H. Co. (Paper Mill Machinery), 10H Hoyt
*Chelsea File Works (Files)
*Crescent Fire Arms Co. (Shot Guns, etc.)
*Hopkins & Allen Arms Co. (Br. of Marlin-Rockwell Corp.) (Fire Arms)
*Lester & Wasley Co. (Envelope Machinery, etc.)
§Pequot Brass Foundry
§Tracy C. Oscar (Brass Fdr.)
§*United Metal Mfg. Co. Inc.
†Vaughn Foundry Co. (Grey Iron Castings)
*†Young John T. Boiler Co.

PLAINVILLE — §Carter E. T. (Brass Foundry)
*Gainer F. H.
*Hanson Bros. (Screw Machine Products)
See adv index at end of book
Newton Mfg. Corp. (Brass Goods Only)
*Trumbull Electric Mfg. Co. (Electric Specialties)

PLANTSVILLE—Rowe Calk & Chain Co. (Toe Calks, Chains, etc.)

PORTLAND—*Anderson Wrench Co.
*†§Pickering Governor Co. (Governors)
*†§Portland Specialty Mfg. Co.

PUTNAM—*†Putnam Fdry. & Mach. Co. (Machine Tools)

ROCK FALL—*Smith Otis A. (Fire Arms, etc.)

ROCKVILLE—*†Murless H. B.

ROCKY HILL — *†Champion Mfg. Co. (Grey Iron Castings, etc.)

ROXBURY—†Bronson W. & H. (Plows, Castings, etc.)

SEYMOUR—*†Church S. B. (Windmills, etc.)
*Matthews H. A. Mfg. Co. (Bicycle Parts & Stove Trimmings)
§Rimmon Eyelet Co.
§Seymour Mfg. Co.
†Seymour Metal Goods Co. (Novelties)
*Smith James M. (Lathes, etc.)
*Swan Jas. Co. (Augers, Bits, Drawing Knives, etc.)

SHELTON—*O K Tool Holder Co. (Tool Holders & Lathe & Planer Tools, etc.), 33 Hull av
*†§ Premier & Potter Printing Press Mfg. Co., Inc.
*Shelton Tool & Machine Co., 235H Canal
*†§Whitcomb Metal Bedstead Co.

SOUND BEACH—Dalton Mfg. Corp.

SOUTH COVENTRY—*Kingsbury & Davis Machine Co.

SOUTHINGTON—*Beaton & Corbin Mfg. Co. (Ceiling & Floor Plates)
†§Peck, Stow & Wilcox Co. (Tools, etc.)
*Southingtton Hdwe. Co. (Wood Screws & Bldrs.' Tools)

SOUTH NORWALK—*Le Count Wm. G. (Lathe Dogs, etc.)
*†§Lockwood Mfg. Co. (Hardware, Locks, etc.)
*Miller Julius W. (Machinist)
*Nash Engineering Co.
*†Norwalk Iron Works Co. ("Norwalk" Air Compressors, Gas Compressors, etc.)
*†§Norwalk Lock Co.
*Robertson E. B.
§Scam S. & Son
*Specialty Mfg. Co.
*†§Wheeler Bros.

SOUTHPORT—*Jelliff C. O. Mfg. Corp., Box 68

SOUTH WINDHAM—*†§Smith & Winchester Mfg. Co. (Paper Bag Machinery)

STAMFORD — *Blickensderfer Mfg. Co. (Typewriters, etc.)
§Brown Bros. (Brass Foundry)
See adv index at end of book
§†Davenport John Co. (Piano Plates)
*Mianus Motor Works (Marine & Gasoline Engines)
*Muench Geo. (Machinist)
*Peufield William W., Inc. (Snap Fasteners), 597 Pacific
*Remington Oil Engine Co.
*Schickel Motor Co. (Mortorcycles)
†Stamford Foundry Co. (Stoves, etc.)
*†Stamford Gas Stove Co. (Stoves, Heaters, etc.)
†Stamford Jobbing Fdry. Co.
*Stamford Motor Co. (Gasoline Engines)
*†§Yale & Towne Mfg. Co.

STONINGTON — *†Atwood Machine Co. Silk & Spool Cotton Machy)
*†§Miller's A. B. Sons

STONY CREEK—*Beach Oliver B. (Gas Engines)

TERRYVILLE—Chapman Machine Corp. (Screw Machine Products)
See adv index at end of book
Eagle Lock Co. (Locks, etc.)
†Terry Andrew Co. (Malleable Iron Fdrs.)

THAMESVILLE—(See Norwich)

THOMASTON—*Thomas Seth Clock Co. (Clocks, etc.)

THOMPSONVILLE—*Standard Metalwork Co. (Presses, etc.)
*§Westfield Plate Co. (Coffin Trimmings, etc.)

TORRINGTON—*Borgeson Mfg. Co., Inc. 38 Monroe
*Fitzgerald Mfg. Co. (Electrical Specialties), Dept. H
*†§Hendey Machine Co. (Machine Tools, etc)
*National Sweeper Division of The Torrington Co. (Carpet Sweepers)
Schroeder Bros. Mfg. Co. (Contract Work, Special Machinery, Gages & Dies of All Kinds), 111 Brookl.
*Standard Co. (Cycle Fittings)
*Torrington Co., The Excelsior Plant (Wire Rod & Tube Pointing Machy., etc.)
See adv index at end of book
*Torrington Mfg. Co. (Brass & Copper Rolling Mill Machy., etc.)
*†§Turner & Seymour Mfg. Co. (Castings, etc.)
§Waterbury Brass Goods Corp.

UNIONVILLE—*Hogarty Edw. (Harness Snaps & Saddlery Hardware)
*Upson Nut Co.

WALLINGFORD—*Ives W. A. Mfg. Co. (Bits, Augers, etc.)
*§†Judd Co., H. L.

WATERBURY—§American Pin Co. (Brass & Bronze Castings, Pins, etc.)
*§American Ring Co. (Rings, etc.)
†Apothecaries Hall Co. (Nickel Anodes)
*Benedict & Burnham, Branch (Brass Mfrs.)
*Blake & Johnson Co. (Power & Foot Presses & Wire Forming Machinery, Cold Rolling Machy, Tool Grinders, etc), 1500 Thomaston av
See adv index at end of book
*BRISTOL CO. (Recording Instruments, etc.)
See adv index at end of book
Chase Metal Works, Div. Chase Co.'s, Inc. (Brass Mfrs.)
Chase Rolling Mills, Inc., Div. Chase Companies, Inc. (Brass Mfrs.)
§Conn. Brass Fdry. Co.
*Draher Jno. (Power Presses, Rivet, Screw & Button Machy. Dies, etc.)
*Electrical Appliance Mfg. Co.
§French Manufg. Co. (Brass Tubing)
*Henderson Bros. Co. (Machinists & Tumbling Barrels)
*Ludington Cigarette Machine Co. (Cigarette & Tobacco Machinery)
†Manufacturers Foundry Co. (Grey Iron & Brass Castings, Water Jacketed Cylinders, etc.)
*Manville E. J. Machine Co. (Power Presses, Wire Working, Rivet or Heading Machinery)
*§Novelty Mfg. Co. (Brass Goods)
§Platt Bros. & Co. (Buttons, etc.)
*Plume & Atwood Mfg. Co. (Brass Goods, etc.)
§Randolph-Clowes Co. (Brass Goods)
*ROBINSON TOOL WORKS, INC. (Die Filling Machines, etc.)
See adv index at end of book
Rowbottom Machine Co. (Special Automatic Machinery of every Description; Disc Grinders, etc.)
*†§SCOVILL MFG. CO. (Brass Goods Mfrs.) *See adv index at end of book*

•§Smith & Griggs Mfg. Co. (Brass & Metal Goods)
•§Steele & Johnson Mfg. Co. (Brass Castings, etc.)
§Waterbury Brass Co.
§Waterbury Brass Goods Corp. (Brass)
†Waterbury Castings Co.
•§Waterbury Clock Co. (Clock Mfrs.)
•†§Waterbury Farrel Foundry & Machine Co. (Drop, Power, Hydraulic & Foot Presses, Brass & Copper Rolling Mill Machy., etc.)
†Waterbury Foundry Co. (Grey Iron Castings, Grate Bars, Floor Plates, etc.)
Waterbury Mfg. Co., Division Chase Companies, Inc. (Brass Goods)
•Waterbury Steel Ball Co., 300 Aurora
See adv index at end of book
•Waterbury Tool Co. (Transmission & Variable Speed Changing Gears)
WATERVILLE—§Berbecker & Rowland Mfg. Co. (Brass Specialties, etc)
•Waterville Mach. Works
WEST CHESHIRE—§•Am. Mfg. Co.
WEST HAVEN—Brown R. H. & Co. (Chucks & Machy.), 198H Brown
•New England Tube & Stamping Co., Inc.
WEST STAFFORD—•Bradway C. P. Machine Works
WILLIMANTIC—•†Vanderman Mfg. Co. (Grey Iron Castings, etc.)
•Willimantic Machine Co. (Silk & Thread Machy., etc.)
WINDSOR LOCKS—•Clark Geo. P. Co. (Trucks, Casters, etc.)
•Horton E. & Son Co. (Chucks), Dept. H
WINSTED—•Carter & Hakes Machine Co. (Machine Tools)
•Gilbert Wm. L. Clock Co. (Clocks, etc.)
•Moore Franklin Co. (Hoists, Cranes, etc.)
•Richards Benj. & Co. (Upholsterers' Brass Goods)
•Winsted Edge Tool Works (Edge Tools, etc.)
•Winsted Mfg. Co. (Scythes)
YALESVILLE—†Parker Charles Co.

DELAWARE.

DOVER—•†Jones E. L. & Co. (Machy.)
EDGE MOOR—•Edge Moor Iron Co. (Water Tube Boilers)
LAUREL—•Oldfield Jas. W. (Machinist)
MILFORD—•†Mathews L. J.
NEW CASTLE—•Am. Manganese Steel Co.
§Brylgon Steel Casting Co. (Steel Castings, Crankshafts, etc)
†Deemer Steel Casting Co. (Steel Castings)
WILMINGTON—•Baker G. W. Machine Co. (Leather Working Machinery)
•†Betts Machine Co. (Machine Tools. etc.), Maryland av & South
†Davis L. D. (Iron Railings, etc.)
•§Delaware Marine Mfg. Co.
†•Du Pont Powder Co.
•Green Elevator Co. (Elevators, etc.).
•Henderer E. & Co. (Pipe Vises)
•Henderer's A. L. Sons
•Hickman Franklin P.
•Layman A. C. Machine Co. (Leather Working Machinery)
•†Lobdell Car Wheel Co. (Car Wheels & Chilled Rolls, etc.)
•Modern Machinery Co. (Forgings, Cut Gears, Bottle Washing & Special Machinery, Repairs, etc)
•†§Pusey & Jones Co. (Iron & Brass Fdrs., Engines, Paper Mill Machinery, Steel Ships, etc)
•Remington Machine Co. (Corliss Engines, Horseshoe and Ice Machines), 411 E Front
Shaw Benj. F. Co. (Iron & Steel Plate Work & High Pressure Piping)
•Slocomb F. F. & Co. (Leather Working Machy. & Pneumatic Tools, etc.), 14th & Poplar
•§Speakman Supply & Pipe Co. (Plumbers' Brass Goods)
•Sugar Apparatus Mfg. Co. (Sugar Machinery)
•Trump Bros. Machine Co. (Drill, Chucks, Gasoline Engines, Lathe Center, Grinders, Scroll, & Textile Machinery, etc), Beech & Anchorage
•Walker & Elliott (Phosphate Mill & Machinists)
•†§Wilmington Malleable Iron Works of Eastern Malleable Iron Co.

DISTRICT OF COLUMBIA.

TWINING—•†Columbian Iron Works
WASHINGTON—†Alexandria Iron Works, Evans bldg
†Briscoe W. D., 1818 E. N. W.
•Catlin E. H. & Co., 309 13th, N. W.
•†Cragg H. C. Mfg. Co., 228 K. S W
§Ennis & Son, Geo. T.
•†§Firth-Sterling Steel Co. (Ordnance Works, Giesboro Point)
•Forsberg Gustave W. (Machinist), 8th & Water, S W
†Gichner Fred S. (Iron Foundry), 1214 D, N W
•Howard H. J. M. Mfg. Co., 150 Pierce N. W.
•Hurley Jno. E. (Machinist), 1219 Ohio av
†Jorss A. Fred (Iron Fdry. & Builders' Iron Works), 315 13th, N W
•§National Electrical Supply Co., 1330 N. Y. av
•†Springman's J. T. Sons, 904 7th, S. W
•Rigid Tool Holder Co., 3322 Volta pl
Union Iron Works Co., 212 12th
•†White Fred J., 462 Main av, S W

FLORIDA.

ARCHER—•†§Maddox Foundry & Machine Co.
DUNEDIN—†§•Skinner Machinery Co.
FORT MYERS—•Raymond A. E. & Co.
GAINESVILLE—•§Gainesville Foundry & Machine Works
GRANT—Couch Mfg. Co.
JACKSONVILLE — •Consolidated Engng. Co. (Electrical Work & Repairs)
•†§Florida Machine Works (Brass & Iron Castings & Machine Works)
•Hubbard S. B. Co.
•Merrill Stevens Dry Dock & Repair Co., Dept. H.
•Rubin Iron Works
Smith L. Iron & Steel Co.
•Vulcan Iron Works
LAKE CITY—•Johnson L. W.
LAKELAND—•Jones Wm.
MIAMI—•†§Lyne C. H. (Brass & Iron Castings & Machine Work)
•Miami Garage
•Perry C. H. (Gas Engines, etc.)
OCALA—•Ocala Gas Engine Works (Gas Engines & Garage)
•†§Ocala Iron Works (Saw Mill & Phosphate Machy., etc.)
OLDSMAR—•Oldsmar Tractor Co.
ORLANDO—•Atlas Mfg. Co.
•†§South Florida Fdry. & Mach. Works (Brass & Iron Castings, etc)
PALATKA—•Hanley R. H.
•†§Stanton Foundry & Machine Co. (Brass & Iron Castings, etc.)
PENSACOLA—†§Bayshore Fdry. Co.
•†§Gulf Machine Works
•Pensacola Gas Engine & Supply Co.
PUNTA GORDA—•Hewitt Bros. (Machinists & Garage)
TALLAHASSEE — •†§Tallahassee Iron Works (Brass & Iron Castings, etc.)
TAMPA—•†Gulf Iron Works
•†§Tampa Steam Ways Co. (Ship Builders & Iron Founders)
WEST PALM BEACH—•Fowler Geo. W. Co.

GEORGIA.

ALBANY—•Georgia Car & Locomotive Co. (Rebuilders)
•Southern Machine Works
AMERICUS—•Sawyer W. H. & Sons Co.
ATHENS—•†§Athens Foundry & Machine Works
†§•Georgia Plow & Fdry Co.
•Umbach F. G. (Harrows, etc.)
ATLANTA—•†§Atlanta Plow Co.
†Atlanta Stove Works (Stoves)
•†§Atlanta Utility Works (See East Point)
•Avery & Co.
§•†Bailey & Buruss Mfg. Co., Dept. H
•†§Continental Gin Co. (See Birmingham, Ala.)
Davidson & Kennedy Co. (Oil Mill Machy.), 872 N. Ashley
†•Fulton Metal Bed Mfg. Co.
•†Georgia Car & Locomotive Co. (Cars Rebuilt)
•Hill A. E. Mfg. Co.
§Magnus Co., Inc.
†•Mutual Fdry. & Mach. Co.
•Riddell Bros.
Roberts Marion I.
†§SOUTHERN IRON EQUIPMENT CO. (Iron Castings, Cars, Locomotives, etc.)
•Southern Saw Works
†Southern Wheel Co. (Car Wheels)
•†§Spalding Foundry Co.
•†§Withers Foundry & Machine Works (Iron & Brass Fdrs.)
•Woodruff Machinery Manufg. Co.
AUGUSTA—•†§Georgia Iron Works (Saw Mill Machinery, etc.)
•†§Lombard Iron Works & Supply Co. (Engines & Saw Mill Machy., etc.)
•Merry Steel Truck Co.
BAINBRIDGE—•†§Sutherland D. T.
BREMEN—•†§Bremen Foundry Machine Works
BRUNSWICK—•†Brunswick Marine Construction Corp. (Brass, Iron Castings & Machine Works)
BUFORD—•Lowe T. F.
CANON—•Bowers Machine Works
CARTERSVILLE—•†Withers Foundry & Machine Works
CEDARTOWN—•†Cedartown Foundry & Machine Co.
COLUMBUS—†Columbus Foundry Company (soil pipe).
Columbus Iron Works (Ice and Refrigerating Machinery, etc.)
•Columbus Truck & Supply Mfg. Co.
†Dismuke Foundry Co. (Gray Iron Castings)
•†§Golden's Foundry & Machine Co. (Power Transmitting Machinery, etc.)
•†Lummus Cotton Gin Co. (Cotton Gins, etc.)
•†§Pekor Iron Works
•†Southern Plow Co. (Cultivators, Plows, etc.)
COMMERCE—•Gibbs Bros.
CORDELE — •†§Tomlin-Harris Machine Co. (Iron & Brass Castings & Machine Work)
DALTON—•Dalton Auto & Machine Co.
•†§Wrinkle & Miller Foundry & Machine Co.
DEMOREST—•†Demorest Foundry & Machine Works
•†§Hendrickson E. D. (Iron Castings & Machine Work)
DICKEY—•Parkins E. P.
DOUGLAS—•§Douglas Foundry & Machine Works
EAST POINT—•†§Atlanta Utility Works (Oil Mill Machinery, etc) (See Atlanta, Ga.)
•Southern Saw & Machinery Works
ELBERTON—•Elberton Machine Works
GAINESVILLE—•†§Gainesville Iron Wks.
GRIFFIN—†Gresham Mfg. Co.
MACON—•Gantt Mfg. Co. (Ag'l Implts.)
•†Massey Gin & Machine Works (Cotton Gins, etc.)
Schofield's J. S. Sons Co. (Sugar Machy., etc.), Hammond & Edgewood av
•†§Taylor Iron Wks. & Supply Co.
•†Williams Mfg. Co. (Ag'l Implts.)
MADISON—•Madison Auto & Machine Co. (Garage & Repairs)
MARIETTA—•†§Glover Machine Works (Locomotives, Hoisting Engines, etc.)
MILLEN—•Beard B. C.
MONTICELLO—•Benton Mfg. Co. (Agricultural Implements)
MORELAND—•†§Camp E. N. & Son Co. (Inc.) (Ag'l Implts. & Castings)
NEWNAN—•†§Cole R. D. Mfg. Co. (Engines, etc.)
OCILLA—•Sikes Hay Press Co.
QUITMAN—•†§Quitman Foundry & Machine Co.
ROME—•†Battey Machinery Co.
†Bowie Stove Co. (Stoves)
•†§Davis Foundry & Machine Works
†§•Griffin Fdry. & Mfg. Co.
†Hanks Stove & Range Co. (Stoves)
•Hill City Machine Shop (Repairs)
•†§Rome Machine & Foundry Co.
•†Southern Co-operative Fdry Co. (Stoves & Hollow Ware)
•†Towers & Sullivan Mfg. Co. (Cultivators, Harrows, Plows, etc.)
SAVANNAH—•†§McDonough, J. J.
•†§Rourke Jno. & Sons (Iron & Brass Fdrs., Machinists, Heavy Forgings, etc.)
•†Savannah Iron & Wire Works
•†§Wilkinson Machine Co. (Inc.)
SOCIAL CIRCLE—•Social Circle Mfg. Co. (Fertilizer Mixers)
TATE—•Georgia Marble Co.
THOMASVILLE — •†§Thomasville Iron Works
WAYNESBORO—•†Mobley G. W. (Machinery)
WEST POINT—•†§West Point Investment Co.
†§•West Point Iron Wks.
WINDER — •†Woodruff Machinery Mfg. Co. (Ag'l Implts., Saw Mill Machinery Castings, etc.)
HONOLULU—†§•Honolulu Iron Works Co.

IDAHO.

BOISE—•†§Baxter Jas. Foundry & Mach. Works
Boise Iron Wks. & Fdy. Co.
LEWISTON—†§•Idaho Fdy. & Mach. Co.
MOSCOW—†Bell O. E. (Ag'l Implts.)
•†§Idaho National Harvester Co. (Ltd.)
TWIN FALLS—†§•Knape E. P.
WALLACE—†§•Coeur D'Alene Hdwe. & Fdy. Co.

ILLINOIS.

ABINGDON—•§American Sanitary Mfg. Co. (Plumbers' Brass Goods)
ALTON—•Beall Bros. (Miners' Tools, Shovels & Specialties)
•†Duncan Foundry & Machine Works (Car Wheels, etc.)
•Hapgood Plow Co. (Ag'l Implts., Plows, Drills, Planters, etc.)
•Hayden Machine Co.
•Illinois Glass Co. (Machine Shop for their own use)
†Schuessler Fdry. & Mach. Co.
ARLINGTON HEIGHTS—•†Peter & Volz Co.
ASSUMPTION—•McClure J. W.
AURORA—•†§American Well Works
See adv index at end of book
•†American Woodworking Machinery Co. (See Rochester, N. Y.)
•§Aurora Foundry Co. (Grey Iron & Machine Pulley Castings, etc.)
•§Aurora Metal Co. (Brass & Bronze Castings & Metallic Piston Packing)
•Divekey Bros. (Garage & Machinists)
•†Fox River Boiler Sheet Iron Works.
•†Fox River Iron Co.
•Hinckley Charles C.
†•Love Bros., Inc.
§Peters Henry Brass Foundry Co. (Brass Castings, etc.)
•†Rathbone, Sard & Co. (Stoves, etc.)
•†Stephens-Adamson Mfg. Co. (Elevating, Conveying & Power Transmitting Machinery, etc)
•Udstad S. (Machinist)
AVA—•Spinner E. F.
•Underwood Wm. J.

(Continued on following page)

Machinists & Founders—Continued

ILLINOIS—Continued

BATAVIA—*†Appleton Mfg. Co. (Agricultural Implements)
*Batavia Engineering Works (Inc.) (Conveying, Elevating & Screening Machy.)
*†§Challenge Co. (Gas & Gasoline Engines, Windmills, etc.)
*Emerson - Brantingham Co. (See Rockford, Ill.)
†Shumway C. W. & Son (Machinery Castings, etc.)
†Sperry D. R. & Co. (Filter Presses, Evaporators, Vacuum Pans, etc)
§Stuttle Brass Mfg. Co.
*†U. S. Wind Engine & Pump Co. (Windmills, Pumps, Feed Mills & Corn Shellers, etc.)

BELLEVILLE — *†Baker Stove Works (Stoves, etc.)
†§Baur Fdy. Co.
*Belleville Implement & Motor Co. (Ag'l Implements, Motors, etc.)
*†§Belleville Stove & Range Co. (Stoves, etc.)
*Berger Chas. (Jobbing, etc.)
*†§Born J. C. & Bro. (Grinding & Polishing Mchy., Countershafts, etc.)
Century Brass Works, Inc., 900 N Illinois
†Crown Foundry Co. (Iron Founders)
*†Eagle Foundry Co. (Stoves)
†Enterprise Fdy. Co.
*†Excelsior Foundry Co. (Castings, Sugar Cane Mills, etc.)
*Gundlach P. M. Sons (Agrl. Implts.)
*†Harrison Machne Works (Threshers & Engines)
*Herzler & Henninger Machine Wks. (Coal Mining Mach'y)
*†§Illinois Foundry & Machine Co.
*†§M. H. Foundry & Mfg. Co. (Iron & Brass Castings, etc.)
*Modern Die & Plate Press Mfg. Co. (Die & Plate Presses, etc.)
†Oakland Foundry Co.
†§Orbon Stove & Range Co. (Stoves Ranges, etc.)
†Roesch-Kohl Enamel Range Co.
†Quality Stove & Range Co.
*†St. Clair Foundry (Iron Fdrs)
*Schwarz Jos. & Sons
†Superior Foundry & Mfg. Co.

BELVIDERE—*Belvidere Screw & Machine Co. (Screw Machine Products)
*†National Sewing Machine Co. (Sewing Machines & Screw Machine Products)

BLOOMINGTON—*†American Foundry & Furnace Co. Castings, etc.)
*†§Constant B. S. Manufg. Co. (Elevator & Grain Machinery, etc.)
†Co-operative Stove Co. (Stoves)
*Diets S. J.
*Keiser-Van Leer Co.
*McGrath J. T. & Son
*†Magirl P. H. Foundry & Furnace Works (Grey Iron Castings, etc)
*Meadows Mfg. Co. (Agricultural Implements, Washing Machine, etc.)

BLUE ISLAND—*Bronson E B. Co.

BRADLEY — *†Bradley David Machine Works. (Plows, Cultivators, Planters, etc)
*§*Bradley Mfg. Works
*†Turk Jos. Mfg. Co. (Iron Beds, etc.)

BUSHNELL—*Norcross C. S. Son (Garden Plows, etc.)

CAIRO—*†§McCarthy & Malinski
*†§Reed Hardware & Mfg. Co. (Machine Tools & Castings, etc.)
*†§Rennie Jno. T.
*†§Vulcan Iron Works

CARLOCK—*Schad Alva

CARMI—*Brandt F. W. (Agricultural Implements)

CARPENTERSVILLE—*†§Illinois Iron & Bolt Co. (Presses, Jacks, Vises, Drills, etc.)
*†Star Mfg. Co. (Agricultural Implements, etc.)

CHAMPAIGN—*†§Burr Co. (Manhole Covers, Sewer Inlets, Municipal Castings, etc.)
*Cushman Co., Inc. (Castings, Hardware Specialties)
*Hardy W. F. (Agrcultural Implts.)

CHICAGO—*†§Abernathy Vise & Tool Co., 2814 W. 26th
*Acme Steel Goods Co., 2834 Archer av
*Adams Bros. & Co. (Special Machy., etc.), 136 W Lake
§Adams & Westlake Co. (Railroad Specialties, Brass Fdrs., Finishers, etc.), 319 W Ontario
*§Adapt Machinery Co. (Special Machinery), 1624 Wabash av
*Addressograph Co. (Addressing Machines), 901 W Van Buren
*Aermotor Co. (Windmills & Pumps, etc.), 2500 W Roosevelt rd
§Ajax Brass Mfg. Co., 218 W Kinzie
Alemite Die-Casting & Mfg. Co., 2640 Belmont
*Alexander & Cox Co., 2358 Ogden
*Allbright-Nell Co. (Packing House Mach'y), 5315 Western av
Allen W. D. Mfg. Co. (Brass Founders' Specialties, Finishers, etc.), 566 W Lake
*†§Allis-Chalmers Co. (See Milwaukee, Wis.)
See adv index at end of book
§Am. Art. Bronze Fdry
American Brake Shoe & Fdry. Co., 332H S Michigan av
*†Am. Bridge Co. (Bridge Builders), 208 S. La Salle
†American Building Foundry Co. (Structural & Arch'l Castings), 2300 S. Springfield av
•AMERICAN CAN CO. (Machy Dept.) (Can Makers' & Canners' Machinery, etc.), Monroe bldg.
See adv index at end of book
*†American Car & Foundry Co., 80 E. Jackson boul. (See St. Louis, Mo.
*American Carton Sealing Machine Co., 40 E 51st
Am. Cast Iron Pipe Co., 38 W Dearborn
*Am. Electric Fusion Corp. (Welding Machinery), 2610 Diversey
*American Iron & Wire Works, 1622 Carroll av
*American Ironing Machine Co., 166 N. Michigan
*American Laundry Machinery Co., 1800 N Spaulding av
American Metal Ware Co. (Brass Bedsteads, etc.), 368 W Huron
*American Nickel Wks., 1201 Cortland
American Perforator Co. (Perforating Machines), 625 W. Jackson blvd
*†American Radiator Co. (Radiators, etc.), 820 S Michigan av
*American Specialty Co., 319 W Ohio.
†American Steel Foundries (Steel Castings), 410 N Michigan blvd
*†American Wood Working Machinery Co., 565 W Washington. Factory: Aurora, Ill.
†§*Anderson A. H.
§Anderson A. H. 1213 Fulton
§Anderson Bros. (Brass Founders & Finishers), 1388 Fulton
*Anderson Chas. L. Machinery Co., 2256 W Walnut
*Anderson C. F. & Co. (Printers' & Binders' Machinery), 710 S Clark
*Anderson Engine Co. (Gasoline & Kerosene Engines, etc.), 4036 N. Rockwell
Anderson Fdry. Co. Wm. B., 1715 Carroll av
*Apex Elec. Mfg. Co., 1410 W 59th
*Archer Iron Works Co. (Wheelbarrows, Trucks, etc.), 2436 W. 34th pl
*Armstrong-Blum Mfg. Co. (Punches & Shears, Rod Cutters, etc.), 337 N Francisco av
*Armstrong Bros.' Tool Co. (Tool Holders, Ratchet Drills, etc.), 339 N Francisco av
*Arnold, Schwinn & Co. (Bicycles, etc), 1718 N Kildare av
†Ashland Iron Works, 1604 W Superior
*Austin Machinery Corpn. (Ditching Machine, etc), Railway Exchange bldg
*Austin Mfg. Co. (Road Machy.), 400 N Michigan
*Automatic Racking Machine Co., ft. 28th
Autovent Fan & Blower Co., 736 W Monroe
§Baldwin Brass Works, 411 S Clinton.
*Barco Brass & Joint Co. (Brass Finishers), 212 W Illinois
Barker H. J. & Co. (Sheet Metal Stamping), 101 N Jefferson
*§Bastian-Blessing Co. (Brass Fdrs. & Finishers), 240 E Ontario
See adv index at end of book
*§Beardslee Chandelier Mfg. Co. (Gas & Electric Fixtures), 216 S Jefferson
*†Bell & Howell Co. (Moving Picture Machy., etc.), 1803 Larchmont av
§Berchem Jules (Bronze Statuary, etc.), 4921 W. Lake
*Bergholtz, Strodtz & Co. (Tools etc.), 2230 Ogden av
*Bergbom & Roberg (Machinsts & Tool Makers), 218 N Jefferson
*Besly Chas. H. & Co. (Disc Grinders, Taps, etc.), 120 N Clinton. Works: Beloit, Wis.
Binks Spray Equipt. Co. (Whitewash Machines, Finishers, etc.), 3129 Carroll
*Bloomfeldt & Rapp Co. (Special Machy., Dies, etc.), 108 N. Jefferson
*Bodine Electric Co. (Motors), 2254 W Ohio
*Bolier Peter Machine Works (Machinist), 124 N Curtis
†Bolter's A. Sons (Builders' Iron Work), 2301 Ward
*†Brighton Foundry Co., 3306 Artesian av
*Brunner & Lay (Stone Jacks) 570 W Polk
*†Bryant Mfg. Co., 456 W Ontario
*Buissono Bros.' Mfg. Co. (Machinists), 3351 Parnell
*Bullock Tractor Co., 1801 Diversey Parkway
*Burdett Mfg. Co., 309 St. John's Court
*Burge Machine Works (Vulcanizers, etc.), 230 N Jefferson
†Burnside Steel Co., 1300 E 92nd
*Burton A. G. Son (Safe Locks, etc.), 118 S Clinton
†Butler St. Foundry & Iron Co. (Iron Fdry.), 3422 Normal av
*†§Caldwell H. W. & Son Co. (& Power Transmitting Machinery, etc.), 17th and Western av
Cameron Can Machinery Co., 240 N Ashland av
*Cassady-Fairbank Mfg. Co. (Automatic & Bicycle Parts, etc.), 6126 S La Salle
*Central Architectural Iron Works, 3105 W. 27th
§Central Brass Foundry, 1943 Carroll av
*Central Chandelier Co., 2522 N Cicero
*Central Iron Works (Fire Escapes, etc.), 939 W Lake
*Central Specialty Mfg. Co., 503 S Peoria
*Champion Foundry Machine Co., 3018 W 21st pl
§Chicago Aluminum Castings Co., 2647 Ogden av
*Chicago Apparatus Co. (Scientific Apparatus), 32 S Clinton
Chicago Car Seal Co., 364 N Green
*Chicago Die & Machine Works, 415 N Carpenter
*Chicago Dryer Co. (Laundry Machinery) 630 S Wabash av.
Chicago Faucet Co. (Brass Good, etc.), 2712 N Crawford av, Dept. H.
*Chicago Ferrule & Nut Co., 880 Lill av
*†Chicago Foundry Co., 2021 N. Major
†*Chicago Gold Coin Stove Works, 2001 Blue Island av
†Chicago Iron Foundry Co., 2313 Austin av
*§Chicago Journal Bearing Co. (Car Brasses, Brass & Bronze Castings), 519 W Vanburen
*Chicago Laundry Machinery Co., 213 W Grand av
*Chicago Machine & Washer Co., 2625 W 15th
Chicago Malleable Castings Co. (Certified Malleable Castings), 120th & Racine av
†Chicago Malleable Iron Co., Blue Island & Western aves
*†Chicago Mfg. Co., 1464 S Michigan av
*†Chicago Pulley & Shafting Co., 29 N Desplaines
*†Chicago Railway Equipment Co. (Brake Beams, Bolsters, Side Bearings, Railway Specialties, etc) 1928 W 46th
*Chicago Ship Building Co. (Marine Engines, Ship Builders, etc.), 101st & Calumet river
*Chicago Steel Car Co., 332 S Michigan av
†Chicago Steel Foundry Co. (Crucible, Manganese, Nickel, Canadian & Chrome-Vanadium Steel Castings), 3701 S Kedzie av
*Chicago Steel Tape Co., 6231H Cottage Grove av
*Chicago Surgical & Elec. Co., 324 W Superior
*Chisholm, Boyd & White Co. (Brick Machinery, etc.), 57th & Wallace
*§City Brass Works, 1744 Carroll av
*†§Clow, Jas. B. & Sons (Cast Iron Pipe & Plumbers' Supplies), Franklin & Harrison
*†Clyde Iron Works Sales Co., 11 S La Salle *See adv index at end of book*
*Colborne Mfg. Co. (Pie Bakers' Machinery, etc.), 157 W Division
†Coleman Adelbert E., 336 W 37th
§Colonial Fireplace Co., 4631 W 12th
*Columbia Mills, 1133 S State (See New York, N. Y.)
*Commercial Model Machine Shop, 122 S Clark
*Compound Injector & Specialty Co. (Plumbing Specialties), 419 N Laramie av
*Continental Bridge Co., Monadnock block
*Cook & Chick Co. (Jobbing & Repairing a Specialty), 18 E Kinzie
†Co-Operative Foundry Co., 505 S Clinton
*Corbin & Guion (Electrical Repairs), 310 S Desplaines
*Coy Mfg. Works, 3101 S. Canal
Crane Co. (Steam Specialties, Cast Iron and Brass Goods), 836 S Michigan av,
See adv index at end of book
†Cribben & Sexton Co. (Stoves & Plumbers' Enameled Ware, etc.), 680 N Sacramento blvd
*Cross Press & Sign Co. (Wood Printing Machines), 827 Rees
†Crown Stove Works (Stoves), 4631 W 13th. Works: See Cicero, Ill.
*Cullman Wheel Co. (Sprockets for Roller & Block Chains), 1346 Altgeld
†Cummings T. A. Foundry Co., 1333 Cortland
*Cummins Perforator Co. (Check Perforators, etc.), 4740 W Ravenswood av
*Curtis, Espy & Co., 153 N Ashland Blvd
†Dauchy Iron Works (Builders' Iron Work, Castings & Vault Lights), 223 W Illinois
*†§Davis, Horwich & Steinman (Brass), 2236 La Salle
*Dearborn Machine Works, 410 S Dearborn

*Dee Wm. E. Co. (Castings, Sewer, Pipes, Gratings, etc.), 30 N La Salle
†§*Deering Works, 1734 Fulleton av
*Dickow Fred C., 2105 W Lake
*§Dietzgen Eugene Co., 166 W Monroe
*†Domestic Sewing Machine Co. (Sewing Machines), S State & Van Buren
*Donaldson & Fisher So., 1443 Carroll av
*Downing-Smith Co. (Electrical Repairs), 553 W Vanburen
*†Duffin Iron Co. (Arch'l Iron, etc.), 4837 S Kedzie
*†Duffy, J. F., Jr., 563 Fulton
*Dunbar & Co. (Peanut & Pop Corn Roasting Machines), 2652 W Lake
*Economy Engineering Co. (Tiering Machines), 415 S Washtenaw
§Eddy Brass Foundry & Machine Co., 301 N Halsted
*Elec. Engrs. Equipt Co., 711 Meridian
*Electric Rotary Machine Co., 32 S Clinton
*Electro Magnetic Tool Co. (Drills), 2902 Carroll
†Elizabeth Street Foundry (Iron Fdry.), 5837 S Elizabeth
†Elliott Foundry & Machine Works, 1921 S Fairfield av
Elmes Chas. F. Engineering Works (Hydraulic Presses, Pump and Accumulators), Cor. Fulton and Sangamon
See adv index at end of book
*§Empire Brass Works (Brass Founders, Finishers, etc.), 824 Fulton
*Emrath Louis, 4236 N Ashland av
*Enterprise Tool & Metal Works, 2449 N. Western av
†Equipment Corp. of America (Rebuilt Machines), Lumber Exchange bldg
*Erwin & Co. (Hydraulic Pumps, etc.), 3736 Cottage Grove av
*Essley E. L. Machinery Co., 555 Washn blvd
*Eureka Rubbing Stone Co., 157 W Austin
*†Everson, C. G. & Co., 70 W Lake
*Excelsior Cycle Store. (Bicycles), 5340 B'way
*Excelsior Motor Mfg. & Supply Co. (Motorcycles), 3701 Cortland
*Excelsior Steel Furnace Co. (Furnaces, etc.), 118 S Clinton
*†§Fairbanks, Morse & Co. (Gas Engines, etc.), 900 S Wabash av
§Faunt Bros. (Brass Founders, Finishers, etc.), 1555 Fulton
†Fearon Foundry Co., 1420 W Kinzie
*Federal Sign System, 8700H S State
*§Federal-Huber Co. (Plumbers' Goods, etc.), 234 N Halsted
*Felt & Tarrant Mfg. Co. (Comptometers, etc.), 1717 N Paulina
†Ferguson & Lange Foundry Co. (Grey Iron, Ammonia, Chilled & Hydraulic Castings & Chilled Car Wheels, etc), Clybourn & Willow
*§Fidelity Brass Mfg. Co., 1001 Washington blvd
*†Foley-Williams Supply Co. (Sewing Machines), 19 W Jackson blvd
*Force Wm. A. & Co. (Inc.) (Stamps, Dies, etc.), 108 W Lake
Fort Dearborn Fdry. Co., 345 W. 23rd
*Foster & Hosler (Pneumatic Tools), 431 S Dearborn
*Fowler Lamp & Mfg. Co. (Carbureters, Cut-Out Valves, etc.), 59 E 24th
†Francis & Nygren Foundry Co. (Semi-Steel & Iron Fdrs.), 2542 Fillmore
*Furness Bros. Co. (Machinists, Pumps, etc), 1615 W Walnut
G. A. Ball Bearing Co., 3315 W Harrison
*G. & W. Electric Specialty Co., 7440 S Chicago
*Gallaher & Speck (Machinists), 215 W Congress
*†Garden City Fan Co. (Iron Fdrs. & Blowers' Exhaust Fans, etc.), 332 S. Michigan av. Works: Niles, Mich.
*Gebhardt H. J., 343 S Dearborn
*General Devices and Fittings Co., 441 S Desplaines
*§Geyser Elec. Co., 5008 Bloomingdale av
*Gillette Elec. Street Clock Co., 728 Buckingham Pl
Gits Bros. Mfg. & Spec. Co. (Oil Hole Cups), 1901 S. Kilbourn
*Glader Wm. (Cooperage Machinery, etc), 210 N Ann
Glaertner Wm. & Co., 5345-49 Lake Park av, Dept. H.
*Globe Electric Co. (Electric Motors), 6340 Stony Island av
§Globe Metal Co., 1970 Clybourn av
*Goldschmidt M. & Co. (Electrical Repairs), 542 S Clark
*Goodell, Jas. M. Jr., Inc., 150 N Loraine av
*†Goss Printing Press Co. (Printing Presses), 1535 S Paulina
†Greenlee Foundry Co. (Iron Fdrs.), 664 W 12th
Greer, Frederic, 525 W Vanburen
*†Gregory Elec. Co. (Electric Machinery), 1601 S Lincoln.
*†Griffin Wheel Co. (Car Wheels), 332 S Michigan av
*Grotnes Chas. (Machy.), 2111 W Lake
*Gruendel Geo. Machine Works (Machinist), 440 N Peoria
*Guarantee Elec. Co., 646 W Lake
*Gump B. F. Co. (Rebuilt Flour Mill Machinery), 431 S Clinton
*Guyton & Cumfer Mfg. Co. (Special Machinery), 4451 Filmore
*Haberkamp Wm. Machine Works (Saturating & Roofing Paper Machinery, etc), 442 Wells
*Hacker Mfg. Co. (Printing Machinery), 320 S Honore
*Hall A. W. & Co., 216 N. Clinton
*†Hamler Boiler & Tank Co., Dept. H, W 66th and 60th av
*Handy Mfg. Co., 29 E Madison
Hanke Iron & Wire Works, 800 N Albany av
*Hanna Engineering Works (Pneumatic Tools & Special Machy), 1764 Elston av
*†Hansell-Elcock Co. (Iron Founders & Builders' Iron Works), Archer & Normal avs
§Hansen & Olsen, 506 S Green
*Hardin Lavin Co., 4543 Cottage Grove av
*Hardinge Bros. Inc. (Sensitive Drills & Watchmakers' Tools, etc), 1770 Berteau av
§Harris Arthur & Co. (Brass Founders & Finishers for Breweries, Distillers, etc.), 212 Curtis
*Harvard Electric Co. (Electrical Specialties), 525 W Van Buren
§Heath J. S. Co., Franklin & Ontario
§*Heath-Johnson Co.
*Heimoid J. F. & Bro. (Machine Tools), 1462 Hamburg
*Hennebohle Frank (Steam & Hydraulic Specialties), 81st S. Chicago av
†§Herbert Boiler Co., 140 Root
*Higgins John C. (Mill Picks), 1218 W Grand av
§*Hill Pump Valve Co., 4001-21 Belmont
*§Hills-McCanna Co. (Brass Fdrs. & Engineers' Supplies), 153 W. Kinzie
*Hintz Mfg. Co., 1108 S Kilburn
§Hodgson Foundry Co. (Brass Fdrs. & Finishers), 2012 W 13th
*Hoeft & Co. (Special Machy.), Dies, Tools, etc.), 400 N Ashland av
§Holland Brass Works (Brass Founder & Finisher), 616 W Monroe
*Holmes Bros. (Molds, etc.), 440 N Sacramento
*†Holmes, Pyott & Co. (Builders' Iron Work & Foundry & Machinists), 159 N Jefferson
†Home Stove Works (Stoves), 2622 W 18th
*Hotchkiss, Blue & Co. (Car Bldrs.), 80 E. Jackson blvd. Works: Harvey, Ill.
*Hub Elec. Co., 2919 W Grand av
*†Hughson Steam Specialty Co. (Steam Specialties, etc.), W 21st & S. Racine av
*Hydraulic Engineering Works (Hydraulic Press & Pumps), 708 Fulton
*Ilg Electric Ventilating Co. (Blowers, Fans, etc.), Crawford av near Diversey Blvd
*Illinois Casket Co., 2330 W Van Buren
*Illinois Die & Tool Works, 4639 W Harrison
*Illinois Engineering Co., W 21st & S Racine avs
*Illinois Maintenance Co., 72 W Adams
*Illinois Modern Button & Machine Co. (Button Machinery), 2407 W Ohio
§Illinois Smelting & Refining Co., 410 N Peoria
*§Imperial Brass Mfg. Co. (Brass Fdrs. and Finishers), 1200 W Harrison
*Industrial Products Co. (Jigs, Fixtures, Special Machy., etc.), 334 N Irving av
*International Car Co. (Freight Car Repair Work), 38 S Dearborn
†§*International Harvester Co., 606 Michigan av
*International Molding Machine Co., 2614 W 16th
James D. O. Mfg. Co. (Gear Cutting), 1120 W Monroe
*Jennings Pump & Dredge Co. (Dredging Machy, Pumps, etc.), 180 N Dearborn
Jewell Electrical Instrument Co., 1650 Walnut
*Johnson Chas. & Son (Fire Escapes, etc), 320 W Grand
*Johnson E. P. Rule Mfg. Co., 565 Washington blvd
§Johnson Meier, 155 Wendell
†Johnston & Jennings Co., 1020 W 38th. (See Cleveland, O.)
*Jones Superior Machine Co. (Wood Working Machy, Plumbers' Brass Goods), 1264 W North av
*Joslin A. D. Mfg. Co., 223 W Erie
*Joy Chas. H. (Slot Machines), 457 N Racine
*Kaestner & Hecht Co. (Elevators, Brewers' & Maltsters', Paint Grinding & Mixing Machinery), 500 Throop
§*†Kainer & Co., 761 Mather
*Karas Electric Co. (Electric Specialties), 4040 Rockwell
*Karbatzki J. B. & Son, 1302 W 22nd
†Kedzie Fdy. Co., 3234 W 31st
*†Kellogg-Mackay Co. (Radiators & Heating Apparatus), 419 W 18th
*Kellogg Switchboard & Supply Co., 1066 W Adams
§Kelly Brass Works, 226 W Ontario
*Kelly Thomas & Bros. (Water Closets & Plumbers' Brass Goods), 3424 W Lake
*Kiesler Jos. F. Co., N Sangamon & W Huron
†Kimball W. W. Co. (Piano Plates, etc.), 304 S Wabash av
*Kimber G. A. (Tools), 2043 N Cicero
*Kimble Electric Co. (Electric Motors & Fans), 634 North Western av
*King R. O., 51 W. Jackson
*Kiemm E. R. (Stone Jacks), 1453 Austin av
*Klipfel Mfg. Co. (Valves, Regulators, etc.), 2651 W Harrison
*Kohler & Liebich (Player Piano Roll Cutting Machinery), 3553 Linc. av
*Kritzer Co., 503 S Jefferson
*Kroeschell Bros. Ice Machine Co., 472 W Erie
*Lammert & Mann (Gas & Gasoline Engines, etc.), 221 N Wood
*Lamson Cutter Head Co. (Woodworking Machy.), 30 N Jefferson
*Lange Henry G. (Glass Beveling & Coffee Roasting Machinery), 162 N May
*Latham Machinery Co. (Bookbinders' Wire Stitching & Perforating Machines, etc), 1153 Fulton
Laubenheimer Co., The (Brew Kettle, Beer, Coolers, etc.), 17 N La Salle, Dept H.
Laun Machine Co., 541 W 43rd
§Leitelt Bros., 7731 S Chicago
*L'Hommedieu Chas. F. & Sons, 4521 Ogden av, Chicago, Ill.
*Lidseen, Gustave (Tools), 832 S Central av.
*Lindahl Henry Machine Co., 954 W Lake
*LINK-BELT COMPANY (Elevating, Conveying & Power Transmitting Machinery), 300 W Pershing rd
See adv index at end of book
Littell F. J. Machine Co., 4125-7 Ravenswood av,
Logan Machine & Mfg. Co., 126 S Clinton
*McAlear Mfg. Co., 1901 S Western av.
*McClellan Refrigerating Machine Co., 1150 S Washtenaw
†§*McCormick Wks. Blue, 1st & Western avs
*McDonald Mach. Co. (Can Making Machinery), 7600 S Racine av.
§*McGuire-Cummings Mfg. Co.
*McIntosh Stereopticon Co., 30 E Randolph
McKinney Harrington Co., North, Dept. H
*McLeod Mfg. Co., 2640 Greenview av, Chicago, Ill.
*McMorran Edw E. & Co., 126 N Union
*†Magnus Metal Co. (Brass Founders & Finishers), 80 E Jackson blvd
*Mantle Lamp Co., 609-611 West Lake
Manufacturers Belt Hook Co., 1321 W Congress
*Marchant Geo. F. Co. (Dies, etc.), 1420 S Rockwell
*Marquette Tool & Mfg. Co. (Power Presses), 321 W Ohio
*Marsh Jas. P. & Co. (Steam Gauges, etc.), 118 S Clinton
*Marshall & Huschart Machinery Co., 17 S Jefferson
*§Mason Davis & Co. (Scales, Castings, etc.), 7740 S Chicago av
*Mateer F. W. & Co. (Laundry Machinery), 222 W Ontario
*Mechanical Machine & Tool Works, 549 Fulton
Miller Chemical Engine Co., 325 Curtis
*§Mills Novelty Co. (Coin Operating Machines), 221 S Green
*Mitchell F. C., 714 S Dearborn
*Monarch Tool & Machinery Co. (Dies, Tools, etc.), 522 S Clinton
*†Monighan Machine Co. (Hoisting Engines, Steam Hammers, Grey Iron Castings, etc.), 2032 Carroll av
*Moore & Co. (Special Machy, Dies, Tools, etc.), 305 W Grand av
*Moore-Master Mfg. Co. (Power Transmission), 3445 N Western av
*Morkrum Co. (Auto Accessories & Telegraph Apparatus), 1410 Wrightwood av
*Moyer Chas. L. & Co., 2906 Carroll
*Mulvey Chas. Iron Works, 1840 Carroll av
*Murray W. B. (Gasoline Engines), N Winchester & Wabansia av
*†National Car Coupler Co. (Car Couplers, Buffers, Steel Platforms, etc.), 332 S Michigan av. Works: Attica, Ind.
*National Machine Works (Brewers' & Maltsters' Machy.), 1559 Sheffield av
*National Malleable Castings Co. (Malleable Iron Castings for R. R., etc), 2610 W 25th pl. (See Cleveland, O.)

(Continued on following page)

Machinists & Founders—Continued

ILLINOIS—CHICAGO—Continued

*National Sewing Machine Co., 320 W Madison
*National Stamping & Electric Works (Electric & Special Machinery, Dies, Tools, etc), 424 S Clinton
*Nelson & Le Moon (Machinists), 349 N Kedzie av
†Nichol-Straight Fdy. Co., 319 Austin av
NICHOLS GEO. P. & BRO. (R. R. & Special Mach.), 2139 Fulton
*Nordquist Mach. & Mfg. Co., 555 W Monroe
*North Chicago Machine Co. (Gasoline Engines, etc.)
*Northwestern Electric Co. (Electrical Repairs), 408 S Hoyne av
†Northwestern Foundry Co., 662 W 12th
*Nye Steam Pump & Machy. Co., 701 N Western av
*Nye Tool & Machine Works (Mechanical & Electrical Machy.), 108 N Jefferson
*O'Leary Arthur J. & Son Co. (Iron & Steel Articles), 65th & S 57th av
*†Oliver Typewriter Co., 159 N Dearborn
*†O'Malley-Beare Valve Co., Ry. Exchange bldg
*Orton & Steinbrenner Co. (Cranes, etc.), 610 S Dearborn.
*Ostrander-Seymour Co. (Printing Machinery), 7 S Dearborn
*†§Otis Elevator Co., 1501 W 15th
*Paine Co., 1742 H Van Buren
*Partridge Edw. O., 2047 Lake
*Peerless Electric Co. (Electrical Repairs), 550 W Harrison
Peerless Tool Co., 3656 Lincoln
*Pelouze Mfg. Co. (Scales, etc.), 232 E Ohio
*†Perrin W. R. & Co. (Filter & Hydraulic Presses), 3438 Dearborn
*Peterson Chas. J. Co., 725 Fulton
†Pettibone, Mulliken & Co. (R. R. Frogs, Crossings, Switches, etc.), 140 S Dearborn
†Phoenix Foundry Co. (Sash Weights, etc.), 1455 S Jefferson
*†Pilsen Foundry & Iron Works, 1530 W 22d
*†Plamondon A. Mfg. Co. (Power Transmitting Machy., etc.), 5315 S Western blvd
Plunket J. E. Machine Co. (Drill Press Milling Machines, Vises, etc), 213-15 N Ada
See adv index at end of book
*Pollak Steel Co., 80 E Jackson
*Pondelick Bros., 215 S. Leavitt
*Pratt Henry Co., 2222 S Halsted
Pratt Wm. E. Mfg. Co., 15 W Lake
*†Pridmore Henry E. (Molding Machines), 1901 S Rockwell
*Prince Elevator Co., 231 W Grand av
*Pringle & Brodie (Woodworking Machinery, etc), 566 Polk
*Printers' Chase & Machine Works (Special Machy.), 159 N Jefferson
*Progress Machine Works (Hydraulic Presses), 512 N La Salle av
*†§Pullman Co. (Car Builders, etc.), Pullman bld. Works: West Pullman
†§*Pyle-National, 1334 Kostner av
Quadriga Mfg. Co. (Special Machinery), 213 W. Grand av
See adv index at end of book
*Railroad Supply Co. (Railroad Specialties), 203 S Dearborn
†§Railway Materials Co., Wrigley bldg
*†Railway & Mine Supply Co., McCormick bldg
*§Railway Steel Spring Co., 108th & Watt
*Rebsamen & Almeroth (Brewers' Machinery), 2324 Elston av
*Rebuilt Typewriter Co. (Typewriters Rebuilt), 138 S Wabash av
*†Reder Foundry Co. (Mach & Builders' Castings), 3536 S Oakley av
*Redington F. B. Co. (Special, Counting, Carton Filling Machinery, etc.), 112 S. Sangamon
*Reichel & Drews (Special Machy.), 452 N Ashland
*Reliance Die & Stamping Co., 515 N La Salle
*Reliance Elevator Co. (Elevators, etc), 212 W Austin av
†Rempe Co. (Cast Iron Pipe & Coils), 341 N Sacramento av
*Republic Mfg. Co., 2944 W Lake
*†§Riverside Iron Works, 106th & Buffalo
*†Roos Henry Fdry Co., 1749 Ballow
*Roth Bros. & Co. (Dynamos & Motors & Electric Drivers), 1400 W Adams
*Rouse H. B. & Co. (Printers' Tools, etc.), 2214 Ward
*Rowe Jas. (Book Trimming Machy.), 1058 W Harrison
Russell Electric Co., 340 W Huron
*§Ryan J. J. & Co. (Brass Founders & Finishers), 100 S Jefferson
*Saal H. G. Co. (Dies & Tools), 1800 Montrose
*Sargent E. H. & Co. (Laboratory Apparatus, etc.), 155 E Superior
*Savage Bros. Co. (Confectioners' Machinery), 2638 Gladys av
*Scaar Frank & Co. (Architectural), 1042 W 11th
*Schaar & Co., 558 W Jackson blvd.
*Schindler A. J. Co. (Machinery), 1314 W 21st
†*Schlangen Bros. Co., 2435 Irving Park blvd.
*Schultz A. L. & Son (Power Transmitting Machy.), 1675 Elston av
*Schureman J. L. Co. (Elec. Specialties), 323 N Michigan av
†Semi-Steel Test Foundry Co., 4916 Bloomingdale av
†Servoss Furnace Co. (Iron Fdrs.), 16 W Illinois
†*Sheffield Foundry Co. (Iron Fdrs.), Clybourn av & Herndon
*Sherman-Klove Co., 4649 W Harrison
*Sim Geo., 421 S Clinton
*Simplex Ejector Co., 1050 W Randolph
*Simpson Ralph H. Co., 126 N Carpenter
Skinner N. B. Co. (Steam Specialties & Boring Machines for Electric Wiring), 562 W Washington
§Smeeth-Harwood Co. (Bronze & Copper Castings for Blast Furnaces), 2401 W 22nd
*Smith F. H. Mfg. Co. (Hand & Foot Power Riveting Machines, etc.), 3047 Carroll av
*†§**SMITH F. P. WIRE & IRON WORKS** (Builders' Iron Work & Iron & Bronze Castings), 2340-48 Clybourn av
See adv index at end of book
§Smith Paul, 564 W Randolph
*Smurr & Kamen Machine Co. (Wire Crimping, Cutting & Counting Combined Machines, etc.), 328 N Albany
*†Solar-Sturges Mfg. Co., 838 W Congress
*Spies Elec. Works, 564 Van Buren
*†§Sprague Canning Machy. Co. (Canning Machinery, etc.), 222 N Wabash av
*Stafford Mfg. Co. E. H., 367 W Adams
*Standard Car Truck Co. (Car & Locomotive Trucks, etc.), 332 S Michigan av
*Standard Coupler Co., 122 S. Michigan
*Standard Diamond Drill Co. (Diamond Core Drills), 38 S Dearborn
Standard Elec. Manfg. Co., 925 Wrightwood av
*Stecher Chas. Co. (Canners' Machy.), 2301 Knox av.
*§Stewart-Warner Speedometer Corp. (Speedometers, etc.), 1826 Diversey Parkway
Stierlin Machine & Die Works, 625 W Jackson Blvd
§Street & Kent Mfg. Co. (Brass Fdrs., Plumbers' Brass Specialties), 1956 Clybourn
*Strohm W. A. & Bro. (Bicycles & Novelties), 1612 W Lake
*§Stromberg Motor Devices Co., 68 E 25th
*Strube Machine Works (Machinists, Special Machinery), 337 W 25th
*Sullivan Machinery Co. (Rock & Diamond Drills), Peoples Gas bldg
*Superior Machine & Boiler Works (Machinists), 348 W Superior
*Surerus & Greenhill (Milling Cutters, etc.), 502 W Division
*Swenson Evaporator Co. (Evaporating & Chemical Machy.), 53 W Jackson blvd
*Sykes Co., 2300 W 58th
†Tarrant Foundry Co. (Iron Fdrs., Light & Heavy Grey Iron Castings, etc), 373 W Grand av
Tarrant Robt. (Marine Engines, etc.), 323 W Illinois
Templeton Kenly & Co. (Ltd.), (Track Jacks, etc.), 1020 S Central av
See adv index at end of book
*Thomas Elevator Co. (Hod Hoisting Machinery, etc.), 20 S Hoyne
*Traub W. F. Range Co. (Steel Ranges), 231 W Superior
*Trindl Co. (Piston Pins), Wabash av at 29th
*Trini A. & Co., 557 W Adams
*Troy Laundry Machinery Co. (Ltd.) (Laundry Machinery), 824 S Michigan blvd
*Underwriters Hatch Door Co., 1741 Walnut
*†Union Foundry Works (Iron Founders & Builders' Iron Works), First Natl. Bank bldg
*Union Special Machine Co (Sewing Machines), 460 N Franklin
*United Mfg. & Distributing Co., 9705 Cottage Grove
*U. S. Ball Bearing Mfg. Co. (Ball Bearings), 4659 Palmer
*†U. S. Bottlers' Machinery Co., 2511 Park av.
*U. S. Slicing Machine Co., 189 N Dearborn
*†Variety Mfg. Co., 2958 Carroll av
*Venn-Severin Machine Co., 1317 W North
*†Vierling Steel Works, 23rd and Stewart av.
*†Vulcan Iron Works (Fdrs. & Machinists Pile Driving Machinery, etc), 327 N Irving av
*Wachs E. H. Co., 1525 Dayton
*Wahl Co. (Adding Machines, etc), 1800 Roscoe
*Wallace J. D. & Co. (Wood Working Machinery), 1401 W. Jackson blvd
*Walsh Press & Die Co. (Presses, Dies, Special Machinery, etc.), 4709 W Kinzie
*Watling Mfg. Co. (Coin Operating Machines), 701 W Wash. blvd
*Webster Mfg. Co. (Elevating, Conveying & Power Transmission Machy.), 4500-60 Cortland
See adv index at end of book
*Weidenhoff Jos., 4352 W. Roosevelt rd
*†Weller Mfg. Co. (Elevating & Conveying, Grain Elevator, Power Transmitting Machinery, etc.), 1856 N Kostner av
*Wells F. C. (Repairs on Pumps), 101 S Clinton
*Westerlin & Campbell Co. (Refrigerating Machy.), 1113 Cornelia av
*§Western Brass Mfg. Works (Brass & Bronze Hardware, Plumbers' Brass Goods & Brass & Composition Castings), Marshall blvd & W 21st
†§*Western Elec. Co., 500 S Clinton
†Western Foundry Co. (Iron Fdrs., Soft Grey Iron Castings), 3634 S Kedzie av
*†§Western Steel Car & Foundry Co. (Steel Cars & Castings), Peoples Gas bldg
†*White Brass Castings Co. (Die Moulded Castings), 1656 Austin av
*Wilcor Mfg. Co. (Spinning Lathes, etc.), 4824 W Lake
Willis F. C. & Co., 565 W Washington blvd.
*Wood Morris & Son (Moulding & Carving Machines), 5108 W Lake
*Woodlawn Repair Co., 6132 Cottage Grove av
*Woodward & Cochey, Inc., 220 Institute pl
*Wrigley Thos. Co. (Printing Presses & Special Machinery), 504 Sherman
*Yaxley Manfg. Co., 1101 W Monroe
Yeomans Bros. Co. (Electric Pumping Machy.), 1436 Dayton
See adv index at end of book
*Zoeller Wm. Co (Machinist), 325 N Curtis

CHICAGO HEIGHTS—*†American Manganese Steel Co., 14th & State
*Ayer Fred H. Mfg. Co. (Electrical Appliances, etc.)
*†Canedy-Otto Mfg. Co. (Anvils, V'ises, Forges, Blowers, Drills, etc.)
*§†Chalmers & Williams, Inc., 1461 Arnold
*Funk Bros. Mfg. Co. (Miners' Tools & Supplies, etc.)
*Inland Steel Co. (See Chicago, Ill.)
*Kennicott Co. (Water Softeners, etc.), 134 S Lasalle
*Morden Frog & Crossing Works (See Chicago, Ill.)
*†Quaker Mfg. Co.
*Wood, Smith & Co. (Carriage & Wagon Axles, etc.)
CICERO—*Blakeslee G. S. & Co. (Dish Washing Machines, etc.), W. 19th & S 52nd av
*Coonley Mfg. Co. (Tinware Mfrs., etc.)
†Crown Stove Works. Office: Chicago, Ill.
*Hurley Machine Co.
*Sterling Drop Forge Works
CISSNA PARK—†Gerard Michael
CLAYTON—*†Birkett A. S.
COBDEN—*Ede G. A. (Machinist)
COLLINSVILLE—*†Bernhardt, Niehaus & Co.
*†Blum Mfg. Co. (Stock Bells, etc.)
CONCORD—*Rayborn J. J.
COULTERVILLE—*†§Bouas E. & Sons
DANVILLE—*†Allith-Prouty Co. (Door Hangers, etc.)
Chesley Bros. (Boiler Repairs)
Chesley J. L. (Boiler Repairs)
*†§Danville Foundry & Machine Co. (Brass & Iron Castings, Mine Car Wheels, etc.)
†Danville Malleable Iron Co.
*Fairhall Joseph Jr.
Holmes Robt. & Bros. (Mine Hoists, etc.)
*Scherer Machine Co.
DECATUR — *Beall Improvement Co. (Flour Mill Machy.)
*Bold, Wm. M. (Machinist)
*Brett Wm. P. (Machinist)
*Chambers, Bering, Quinlan Co. (Steel Slack Barrels, etc)
*Curtis Truck & Forging Co. (See Chicago, Ill.
†Decatur Fdry. Co. (Grey Iron Castings)
§Faries Mfg. Co.
Hartley C. J. Co. (See Peoria, Ill.)
Mueller Co. (Tapping Machine, Water, Plumbing & Gas Brass Goods)
See adv index at end of book
*Oakes W. L.
*Specialty Mfg. Co. (Pencil Sharpeners)
*†Stevens Mfg. & Foundry Co. (Agr'l Implements & Iron Castings)
*†Union Iron Works (Grain Cleaning, Power Transmitting & Flour Mill Machy., etc)
†Wagner Malleable Iron Co.
De KALB—*Kohler Die & Specialty Co (Tools, Dies, Presses, Special Machy., etc.)
*†Standard Foundry & Mfg. Co.

DES PLAINES—†*Garland Mfg. Co.
DIXON—†Grand Detour Plow Co. (Agr'l Implts., Plows, etc.)
DOWNERS GROVE—*Dicke Tool Co. (Linemen's Construction Tools, etc.)
*§Hawkins H. J.
DU QUOIN—*†Blakeslee Mfg. Co. (Steam Pumps, etc.)
EAST MOLINE—*†§Fairbanks E. & T. & Co.
*†Marseilles Works of Deere & Co. Agricultural Implements, etc)
*†Root & Van Der Voort Engineering Co. (Gas & Gasoline Engines, etc.)
†§Union Malleable Iron Co. (Malleable Castings)
EAST ST. LOUIS—American Steel Foundries
*Elliott Frog & Switch Co. (Frogs, Switches, Railroad Specialties, etc.), 301 S Main
Excelsior Tool & Machine Co., 32nd & Ridge
†Midwest Forge & Steel Co., Dept. H
*Missouri Bridge & Iron Co.
*Railway Steel Spring Co.
EDWARDSVILLE—*Bernhardt Manufg. Co. (Agricl. Implts.)
*Desmond M. Mfg. Co. (Steel Trucks & Cars)
*§Edwardsville Brass Co. (Brass Fdrs. & Plumbers' Brass Goods)
§Leclaire Mfg. Co. (Plumbers Supplies)
†*U. S. Radiator Corp.
EFFINGHAM—*Alt Fred
ELGIN—*Elgin Brass & Electrical Mfg. Co.
*Elgin Gas Engine & Machine Co.
*†Elgin Manufg. Co. (Condensed Milk Machy.)
*Elgin Metal Novelty Co. (Piano Players' Hardware & Fine Machinery)
*Elgin National Watch Co. (Watches & Metal Cases)
*Elgin Tool Works (Special Machy.)
*Elgin Wind Power & Pump Co.
*§Moody Chas. J.
*Moseley Lathe Co. (Bench Lathes)
*†Woodruff & Edw rds Co. (Coffee Mills & Grey Iron Castings, etc.)
EVANSTON—*†Comstock A. S. (Air Pumps, Gas Forges, etc.)
*§Mark Mfg. Co. (Artesian & Tubular Well Specialties, etc.)
*Symons Bros Co.
FAIRFIELD—*Heidinger Frank (Machinist)
FRANKLIN PARK—*Franklin Park Foundry Co. (Malleable Iron Fdrs.)
FREEPORT—*†§Arcade Mfg. Co. (Molding Machines, etc.)
*Bloom-Burns Manufg. Co. (Manure Spreaders)
§Freeport Brass Foundry
*Freeport Gas Machine Co. (Gas Engines, etc.)
*Hoefer Mfg. Co. (Machine Tools, etc.)
*†Rawleigh W. T. Co. (Gasoline Engines, Grey Iron Castings, Windmills, etc.)
*Severance Gas Machine Co. (Gas Machines)
*Ulfers Mfg. Co.
*Western Newall Mfg. Co.
*†Woodmanse Mfg. Co. (Pumping & Power Steel & Wooden Windmills & Iron & Brass Fdrs.)
FULTON—†Chicago Stove & Range Co.
†Mississippi Valley Stove Wks. (Stoves, etc.)
GALENA—*†§Galena Iron Works Corp. (Iron Founders & Mining Machinery, etc.)
*†Westwick Jno. & Son (Iron Fdrs., Steam Engines, Furnaces, etc.)
GALESBURG—†Frost Mfg. Co. (Steam Engines, Boilers, Dry Pans, etc.)
*†Galesburg Machine Works (Grey Iron Castings & Jobbing Machinists)
†Galesburg Malleable Castings Co. (Grey Iron & Malleable Iron Castings)
*Galesburg Writing Machine Co. (Typewriters, Adjustaphones, etc.)
*May Bros. (Windmills, etc.)
*Robson Manufg. Co. (Automobile Parts)
*Sapihl Elec. Tool Co. (Grinders)
†Shaw, Welsh & Co.
*†§Walton-Van Huffel Mfg. Co. (Grey Iron Castings & Jobbing Machinists)
*†§Wenzelman Mfg. Co. (Farm Elevators & Wagon Dumps)
GALVA—*Galva Heater Co. (Steam Heaters & Corn Planters)
†§Hayes Pump & Planter Co. (Pumps, Cultivators, Planters, etc.)
*†Wistrand Mfg. Co. (Pumps, Corn Planters, etc.)
GENEVA—*Burgess & Norton Mfg. Co. (Hdw. Specialties, Ball Bearing Axles, etc.)
†Geneva Fdy. & Mach. Co.
*†Howell W. H. Co. (Sad Irons, etc)
GIBSON CITY—*†Gibson Iron Works (Radiators & Iron Fdrs.)
GRAFTON—*Rippley Mfg. & Steel Boat Co. (Steam Feed Cookers, Sprayers & Metal Boats)
GRANITE CITY—*†American Steel Foundries (Steel Cars, Trucks & Castings). (See Chicago, Ill.)
*Hoyt Metal Co.
*National Enameling & Stamping Co. (See New York City)
GREENVILLE—*Kruger Philip J. (Machinist)
HARRISBURG—†§*Harrisburg Fdy. & Mach. Shop
HARVEY—*Austin Mfg. Co. (See Chicago)
*Bliss & Laughlin (Key Seating & Shafting)
*†§Buda Co. (Railway Cars, Axles, Wheels, Track Equipments, etc.). Works: Harvey, Ill.
*Chicago Steel Car Co.
*†Dee Wm. E. Co. (Sewer Pipes)
*Hotchkiss, Blue & Co. (See Chicago, Ill.)
†*Hunt, Helm, Ferris & Co.
†Koch Bros.
*§Pettigrew Foundry Co. (Iron Castings, Machinists' Pattern Makers)
*Strang Engine Co. (Gas, Gasoline & Kerosene Engines)
HAVANA—*Crescent Forge & Shovel Co. (Shovels, etc.)
*†§Havana Mfg. Co. (Gas Engines, etc.)
†Havana Metal Wheel Co. (Metal Wheels, etc.)
*Perkins Bros. (Gas Engines, etc.)
HIGHLAND—Lentwiller Bros. (Machinists)
HINCKLEY—*Davis L. E.
HOOPESTON—*Green John & Sons (Jobbing)
*†§Sprague Canning Machinery Co.
†§Vermilion Malleable Iron Co.
JACKSONVILLE—†§Bambrook A. W.
*Illinois Steel Bridge Co.
†§*Jacksonville Fdy. Co.
*Kellogg Bros. & Co. (Machinists)
JOLIET—Bates Machine & Tractor Co. (Steam Engines & Wire Mill Machy., etc.)
*†Champion Machinery Co. (Bakers' Machinery, etc.)
*Ditto G. M. (Agrl. Implements)
*Hardy Wallace L. (Machinist)
*†Humphrey & Sons (Wire Mill Machinery)
*†§Illinois Steel Co. (See Chicago)
†Joliet Fdy. Co.
*†Joliet Mfg. Co. (Corn Shellers, etc.)
*Moore Bros. Co. (Stoves, etc.)
*†§Pratt Wm. E. Mfg. Co. (See Chicago)
*Van Fleet Mfg. Co.
KANKAKEE—*†§Beaumont Valve & Hydrant Works (Valves, Hydrants, etc.)
†Kankakee Foundry Co.
*Pratt Edwin & Sons
*Soper Geo. E.
*Tait Mfg. Co. (Machinery, etc.)
KEWANEE—*Demmler Wm. & Bro. (Fdry. Plant Machinery, etc.)
†*Kewanee Boiler Wks.
*Kewanee Private Utilities Co. (Gasoline Engines), West Side
*†§Peters Pump Co. (Agrl. Implts., Pumps, etc.)
LADD—*Erickson Andrew L.
LA GRANGE—†La Grange Fdy. Co.
LA SALLE—*La Salle Machine & Tool Co. (Surface Grinders)
*Western Clock Mfg. Co. (Clock Mfrs., etc.)
LEMONT—*§Illinois Pure Aluminum Co.
LEROY—*Jones Chas. D. (Machine)
†§*Myers C. H.
LIBERTYVILLE—*Laycock W. Co. (Engines, etc.)
LINCOLN—*†Iles Edw.
*Mohn H. (Machinist)
LITCHFIELD—*†American Radiator Co. (See Chicago)
*†Litchfield Fdry. & Machine Co. (Machinery & Grey Iron Castings)
LOCKPORT—*§Barrows Lock Co.
McHENRY—*Engeln M. & Son
MACOMB—*†Fisher A. (Fdry. & Machinist)
MADISON—*†§American Car & Foundry Co. (See St. Louis, Mo.)
MARENGO—*†Marengo Foundry & Machine Co. (Gas Engines, etc.)
MAROA—*Maroa Mfg. Co. (Agrl. Implts., Car Loaders, etc.)
MARSEILLES—*Goodell J. H. & Son
*Marseilles Harrow Mfg. Co. (Harrows, etc.)
*†O'Neil T. L. (Agricultural Implements, etc.)
MARTINSVILLE—*Rowe M. A. (Machinist)
MASCOUTAH—*Schnebelin Fred (Jobbing)
MATTOON—*†Chuse Engine & Mfg. Co. (Engines, Fdrs., Machinists, etc.)
*Clark H. W. Co. (Meter Boxes & Water Appliances)
*Thatcher Bros.
MELROSE PARK—†National Malleable Castings Co. (See Cleveland, O.)
†*Am. Brake Shoe & Fdry. Co.
MENDOTA—Black Bros. Co. (The), Inc.
See adv index at end of book
*Black Mfg. Co.
*†§Mendota Mfg. & Transfer Co.
*Tower J. D. & Sons Co. (Agrl. Implements)
MOLINE—*†Barnard & Leas Mfg. Co. (Flour Mill & Grain Elevator Machy.), 403 20th
*Borg & Beck Co. (Woodworking Machinery)
*†Cooper H. W. Saddlery Hdw. Mfg. Co. (Malleable Iron Castings)
*†Deere & Co. (Agrl. Implts.)
*†Moline Foundry Co. (Grey Iron Castings)
*†Moline Plow Co. (Agrl. Implements, Plows, etc.)
*†Moline Tool Co. (Gang Drills)
*Montgomery Elevator Co. (Elevators)
*§Schmidt Joseph (Brass Fdry.)
*Sechler D. M. Implement & Carriage Co.
*§Western Pattern & Mfg. Co.
*†Williams, White & Co. (Heavy Machy.)
MONMOUTH—*†Maple City Furnace Co. (Furnaces, etc)
*Milne Mfg. Co. (Stump Pullers, etc.)
*Monmouth Plow Factory (Plows, Cultivators, Harrows)
*†§Pattee Plow Co. (Agrl. Implts., Plows, etc.)
MORRIS—*†§Coleman Hardware Co. (Door Hangers, etc.)
†Ill. Fdy. & Specialty Co.
MORRISON—*Illinois Refrigerator Co.
†Summit Stove Wks.
MOUNT VERNON—*†Mount Vernon Car Mfg. Co. (Car Builders, Car Wheels, Castings, etc.)
MURPHYSBORO—*†§Egyptian Iron Wks. (Iron & Brass Castings, Mine Cars, etc)
NAPERVILLE—*Goetsch & Son (Plows, etc.)
NEW ATHENS—*†Auto Stove Works (Stoves, etc.)
NORTH AURORA—§*Biever Mfg. Co.
†Sperry D. R. & Co. (Filter Presses, Evaporators, Vacuum Pans, etc.)
NORTH CHICAGO—†North Chicago Brass Works
*North Chicago Machine Co. (Gas Engines, etc.)
O'FALLON—*†§Willard Wm. G. (See St. Louis, Mo.)
OREGON—*American Lock Nut & Tool Co. (Lock Nuts, etc.)
†Paragon Fdries. Co. (Piano Plates)
OTTAWA—*†§Knowles W. H. Foundry & Machine Co. (Builders' Iron Work & Castings)
*†§Porter J. E. Co. (Stable Fittings)
PARIS—*§McGuire-Cummings Mfg. Co. (See Chicago)
*†Reese F. W.
*Robertson J. L. Machine Co.
PEKIN—*†§Duisdieker Fdry. & Mfg. Co. (Machinists & Iron Fdrs.)
*Pekin Engine & Machine Works
*Pekin Wagon Co. (Wagons, etc.)
PEORIA—*†§Acme Harvesting Machine Co. (Agrl. Implts.)
*Armstrong Jas. C. Machine & Fdry. Co. (Gears, Pinions, etc.)
*†Bartholomew Co. (Coffee & Peanut Roasting Machines
*§Brass Foundry Co., 700 McAdams
See adv index at end of book
†*Cutler & Proctor Stove Co.
*Electrical Testing Co. (Repair Meters, etc.)
*Hagerty Bros. Co.
†Hart Grain Weigher Co. (Grain Weighers, etc.)
*Hartley C. J. Co. (Pumps). Works: Decatur, Ill.
*Herschel R. Mfg. Co. (Agrl. Implts.)
*†Holt Mfg. Co. (Caterpillar Tractors & Harvesters & Engine Machy.)
*Illinois Electric Mfg. Co.
*King Light Co. (Gasoline Lamps, Stoves, etc.)
*§Kinsey & Mahler Co. (Steam Specialties & Plumbers' Brass Goods.
*Kramer Automatic Tamper Co. (Concrete Tampers, etc.)
*Meyer Furnace Co.
*Nelson, L. R.
*†Nichols & Stepard Co. (See Battle Creek, Mich.
*†Peoria Drill & Seeder Co. (Agrl. Implts.)
†Peoria Foundry Co., (Iron Fdrs, Bldrs' Grey Castings, etc.)
†Peoria Malleable Castings Co. (Malleables of All Descriptions), Alexander av
*Sester Manufg. Co. (Seeders)
*Smith E. M. & Co.
PERU—*Peru Plow & Wheel Co. (Agr'l Implts., Plows, etc.)
PLANO—†*Independent Harvester Co.
PONTIAC—*†Spartan Mfg. Co. (Gray Iron Castings, Feed Mills, etc.)
PRINCETON—*Evans & Coppins Co. (Ball Bearing Axles, etc.)
PROPHETSTOWN—*Eclipse Lawn Mower Co. (Lawn Mowers, etc.)
QUINCY—*Berghofer—Mitchell Co. (Steel Ranges)
*†§Bush Foundry & Metal Wheel Co. (Metal Wheels & Castings)
†Channon-Emery Stove Co. (Stoves, etc.)
*Clough Concrete Construction Co. (Concrete Machinery)
*Collins Plow Co. (Agricultural Implts.)
†Comstock-Castle Stove Co. (Stoves & Ranges)
*†Dayton-Dowd Co. (Centrifugal Pumps, etc.)
Electric Wheel Co. (Metal Wheel Cars, Carts, etc.), Station D
See adv index at end of book
*Empire Mfg. Co. (Metal Wheels)

(Continued on following page)

Machinists & Founders—Continued

ILLINOIS—QUINCY—Continued

*Ertel Geo. Co. (Hay Presses, etc.)
*†§Gardner Governor Co. (Air Compressors, Steam Pumps, etc.), 23 Williamson
†§Gem City Stove Mfg. Co. (Stoves, Heaters & Furnaces)
*Hollister-Whitney Co. (Elevators, etc.)
†La Grange Foundry Co. (Castings)
†Lahan Stove & Mfg. Co. (Stoves, etc.)
*§Modern Iron Works (Plumbers' Cast Iron & Brass Specialties, etc)
Otis Elevator Co.
†§Quincy Casting Co.
*Quincy Elevator Gate Co. (Elevator Gates, etc.)
†Quincy Foundry & Novelty Co. Stoves, etc.)
*Quincy Motor Co. (Gasoline Engines)
†§Quincy Stove Co. (Stoves)
†Sheridan Stove Mfg. (Stoves, etc.)
*Travilla M. (Stoves, etc.)
*§Van Doorn Co. (Ornamental Iron & Brass Work & Brass Castings)
†White Thos. Stove Co. (Stoves)
*Wiebmer Anton (Jobbing)
†Wurst C. H. Co. (Stoves)

ROCHELLE—†WHITCOMB GEO. D. CO. (Locomotives)
See adv index at end of book

ROCK FALLS—*Eureka Co. (Working Machines)
*†Sterling Mfg. Co. (See Sterling, Ill.)
*Superior Machine Co. (Washing Machines)
*Ulrich Mfg. Co.

ROCKFORD—*Atwood Vacuum Cleaner Co. (Vacuum Cleaners)
*†Barnes Drill Co. (Machine Tools)
*†Barnes W. F. & Jno. Co. (Mach. Tools & Woodworking Mach'y)
*Billstrom Neis J. (Gluing Clamp Corners, etc.)
†*Dobson Mfg. Co.
*§Eclipse Gas Stove Co. (Gas Stoves & Ranges)
*†§Emerson-Brantingham Co. (Agrl. Impits., Mowers, Plows, Cultivators, Traction Engines, etc.)
*Ford Mfg. Co. (Agricl. Impits.)
*Forest City Bit & Tool Co. (Boring Tools, etc.)
*†Free Sewing Machine Co. (Sewing Machinery)
*†Greenlee Bros. & Co. (Woodworking Mch'y)
*Ingersoll Milling Machine Co. (Mach. Tools)
*†Leader-Trahern Co. (Pumps, Castings, etc.)
*Marsh H. C. Co. (mitre boxes)
*Mattison C. Mach. Wks. (Wood Working Machinery)
*Mechanics Machine Co.
*National Lock Co.
*Redin, Ekstrom & Co. (Piano Action Machinery, etc.)
See adv index at end of book
Redin Jno. E. (Cutter Heads, etc.)
*†Rockford Drilling Machine Co.
*†Rockford Iron Works (Power Presses)
*Rockford Lathe & Drill Co. (Engine Lathes)
*Rockford Machine Tool Co. (Machine Tools, etc.)
*†§Rockford Malleable Iron Works Inc.) (Malleable Iron & Air Furnace Castings)
*†Rockford Mfg. Co. (Agrl. Impits., Plows, Harrows, etc.)
*Rockford Milling Machine Co. (Hand Milling Machines)
*Rockford Tool Co. (Machine Tools)
*Rockford Watch Co. (Watches, etc.)
†*Rock Island Plow Co.
*Star Bit & Tool Co. (Wood Boring Tools, etc
†Tolleson T. E. Fdy. Co.
*†Union Foundry & Machine Co. (Grey. Iron Castings, etc.)
†Whitney Metal Tool Co.
*Woodward Governor Co.

ROCK ISLAND—*†§Blake Specialty Co.
*Bliesener W. J. (Dies & Tools)
§Blake Specialty Co. (Plumbers Supplies)
*Davis Machine Shop
*Electric Construction & Machinery Co.
*Gearless Automatic Pump Co.
*Griswold Manufg. Co. (Slot Machines)
*†Rock Island Mfg. Co. (Grey Iron Castings, Bench Vises, etc.)
§Rock Island Metal Foundry (Aluminum, Automobile, Brass & Bronze Castings), 585 51st
†§Rock Island Stove Co. (Stove Mfrs.)
*†§U. S. Arsenal (Fdry. Dept.)

ST. CHARLES—*§Crown Electrical Mfg. Co. (Chandeliers, Bicycle Chains, etc.)
*Faultless Iron Works (Steel Ranges, etc.)
*†§Glenn Fred E. (Cast Iron Soil Pipe & Plumbers Iron & Brass Specialties)
*†Glenn Mfg. Co.
Jensen-Kohlert Mfg. Co.
†Moline Malleable Iron Co., Dept. H.
SALEM—*Merz N & Son
SANDORAL—†§Sandoral Brass & Iron Wks.
SANDWICH—*Hinman D. A. & Co. (Angle Benders, etc.)
*†Sandwich Mfg. Co. (Agrl Impits, Harvesters, Mowers, etc.)
SAVANNA—*Oyster L. A. (Agrl. Impits.)
SHAWNEETOWN—*†§Quick James W.
SHELBYVILLE—Ann Arbor Machine Co. Agrl. Impits., Hay Presses, etc.)
*Sturgis W. B. & Sons (Plows, etc.)
SIDELL—*Cross & Parham
SPARTA—*Little Giant Punch & Shear Co.
*Sproul Matt Co. (Punches, Shears, etc.)
SPRINGFIELD—*Ansell, Oscar & Son (Machinist)
*Bisch Geo. F. (Stoves)
*Bieser Jacob (Machinist)
*†§Fetzer & Co. (Agl. Impits., etc)
†§* Fetzer Wm. Co.
*Haas R. Electric & Mfg. Co. (Electrical Supplies, etc.)
Ide A. L. & Sons (Steam Engines and Iron Castings), 211H N 5th
*Illinois Watch Co. (Watches, etc.)
Lourie Hydraulic Press Co.
See adv index at end of book
*Mussillon J. A. & Bro.
*Otto & Scherf
*Racine-Sattley Co. (Agricultural Impits., etc.)
*Sangamon Electric Co. (Meters)
*Weaver Mfg. Co. (Tools, Chucks, etc.)
STERLING—*Bauder E (Machinist)
*†Charter Gas Engine Co. (Gas Engines)
Fort Dearborn Mfg. Co.
*Lawrence Bros. (Door Hangers, etc.)
*Meister & Cochran (Radiators, etc.)
*†Novelty Iron Works (Grey Iron Castings, Fountains, etc.)
*Platt Addison J.
*†Sterling Foundry Co. (Castings)
*†§Sterling Mfg. Co. (Agrl. Impits.)
Superior Machine Co. (Washing Machines)
STREATOR—*†Futrell Coupler Co., Inc.
*G. & D. Mfg. Co. (Portable Grain Elevators, etc.)
*Graves L. L. (Jobbing)
*Press Wells H. Co. (Washing Machines)
SYCAMORE—*Hero Furnace
TAYLORVILLE—*Hollis N. F. (Machinist)
TINLEY PARK—*Boldt George
TRENTON—*Leutwiler J H
URBANA—*†§Leavitt Mfg. Co. (Gasoline Engines, Cement Tile Machines, etc.)
VANDALIA—*Craycroft H. B.
VAN ORIN—*Zimmerlein N (Pumps etc.)
VERMILION—*Downing T. D.
WAUKEGAN—*†American Steel & Wire Co. *See adv index at end of book*
*Chicago Recording Scale Co. (Piano Motors, Novelties, etc.)
*Nelson Machine Co.
*§Northern Brass Mfg. Co. (Plumbers Brass Goods)
WEST CHICAGO—*†Union Tool Co. (Oil & Gas Well Machinery & Tools)
WINTHROP HARBOR—*Willard Chas. P. & Co. (Marine Engines, etc.)
WOODSTOCK—*Abbott C. T.
*Griebel E. G. (Machinists)
*§Oliver Typewriter Co. (See Chicago)
XENIA—*Pierce Jno. A. (Machinist)

INDIANA.

ALEXANDRIA—*Reeves James M. (Agricultural Impits.)
ANDERSON—*†§Anderson Foundry & Machine Works (Tin & Brick Machinery and Castings)
*Buckeye Mfg. Co. (Gasoline Engines)
*Dice Machine Co. (Gasoline Engines)
†Lavelle Foundry Co.
*Pierce Governor Co.
*Reliable Machine Co. (Gas Engines)
*Remy Electric Co. (Starting, Lighting & Ignition Equipment)
*Reynolds Gas Regulator Co. (Gas Regulators)
†*Standard Brass Fdry.
§*Union Traction Co of Ind.
ATTICA—§*Brosche & Kenlay, 20th Century Injector & Supply
†National Car Coupler Co.
AUBURN—Auburn Foundry Corp.
*Auburn Machine & Auto Garage (Repairs, etc.)
AURORA—*†Aurora Tool Works (Upright Drill Presses, etc.)
*Cheek M. B.
*Stamm Machine Works (Barrel Mach'y)
*†Stedman's Foundry & Machine Works (Crushing & Pulverizing Machinery)
BATESVILLE—*Schott Wm. Machine Shop
BEDFORD—*†§Bedford Fdry. & Machine Co. (Derricks, Stone Machy., Brass & Iron Fdrs., etc.)
*Meyers W. F. Co.
BERNE—*Moser A. J. & Co.
BLOOMFIELD—*†Bloomfield Mfg. Co.
*Star Jack Co. (Jacks, etc.)
Union Jack Co. (Jacks, etc.)
BLOOMINGTON—*Fletcher, E. R.
*†§Seward & Co.
BLUFFTON—*†§Grimes Geo. W. Co. (Engines, etc.)
*†Red Cross Mfg. Co. (Oil Well Mach'y)
BRAZIL—†*Brazil Mach. & Fdry. Co.
*†§Crawford & McCrimmon Co. (Machinists' & Founders' Clay Working & Wire Fence Machinery, etc.)
*†§Knight-Brinckerhoff Piano Co.
*†§Shaw Wm. M. Co. (Machinists)
*Wood Turret Machine Co. (Machine Tools, etc.)
BREMEN—†*Am. Radiator Co.
*May William (Machinist)
BUTLER—*†Butler Co. (Windmills, Wind Engines, Pumps, etc.)
CAMBRIDGE CITY—*†Bertsch & Co. (Punching & Shearing, Mach'y, etc.)
CANNELTON—*†Lehman Mfg. Co.
CLINTON—*Shattuck R. P.
COLUMBIA CITY—Magley Bros.
COLUMBUS—*†§Caldwell & Drake Iron Works (Iron Fdrs. & Bldrs. Iron Work)
†Columbus Fdy. Co.
*†§Emerson-Brantingham Co. (See Rockford, Ill.)
*Keller C. M. (Coke Crushers)
CONNERSVILLE—*†Connersville Blower Co. (Pumps, Rotary Blowers, etc.)
†Hoosier Castings Co.
*Indiana Lamp Co. (Auto Lamps)
*McQuay Norris Mfg. Co. of Indiana
*†§Roots P. H. & F. M. Co. (Pumps, Rotary Blowers, etc.)
*§Stant Geo. Machine Works (Brass & Bronze Castings)
*Twentieth Century Mixer Co. (Concrete Mixers)
CONVERSE—*†Fink Alexander W.
CRAWFORDSVILLE—*Birch & Birch (Speed Drills, Mach. Box Machinery, etc.)
*Crawfordsville Wire & Nail Co.
*†Lyle & Reynolds
CROWN POINT—†§*Letz Mfg. Co.
DECATUR—*†§Decatur Fdry. Furnace & Machine Co.
DUBLIN—*Morgan E. S. (Machinist)
DYER—*Batterman Henry C.
EAST CHICAGO—§*Edward Valve & Mfg. Co.
*†Famous Mfg. Co. (Hay Presses & Gasoline Engines)
†*Hubbard Steel Casting Co.
*†Limbert Geo B. & Co.
*U. S. Reduction Co.
EAST GARY—†§*Gary Fdry. & Mach. Co.
ELKHART—*Angidile Computing Scale Co. (Scales)
§*Buescher Band Instrument Co.
†§Chicago Telephone Supply Co. (Telephone Supplies)
†*Concord Fdy. Co.
§Conn Chas. G., Ltd. (Orchestra & Band Instruments)
*Davis Acetylene Co. (Gas Machines, etc.)
*§Elkhart Brass Mfg. Co. (Brass Goods for Fire Departments, Plumbers, etc.)
*Elkhart Bridge & Iron Co.
*†§Elkhart Foundry & Machine Co.
*Elkhart Iron Works (Grey Iron Castings)
*Foster Machine Co. (Turret Lathes)
*Johnson & Biddle Tool Co.
*Keene Bros. Machine Co.
*†L. S. & M. S. Ry. Shops.
*Lorbough-Jordan Tool & Machine Co (Special Machinery, Dies, etc.)
§Northern Indiana Brass Foundry Co. (Brass Castings)
*Noyes Carriage Co. (Agrl. Impits. & Carriages)
Sevison Electric Co.
*Strubler Computing Scale Co. (Computing Scales)
*Waterson J. C.
§Williams S. W.
ELWOOD—*†Dawson Chas W. (Machinist & Founder)
*†Elwood Foundry (Grey Iron Castings, etc)
*Krebs Emil & Son (Glass House Mach'y)
ELWOOD CITY—†*Elwood Fdy. Co.
EVANSVILLE — †Advance Stove Works (Stoves, etc), 21 Read
*Anchor Supply Co., 100 N Water
*Bernardin Bottle Cap Co. (Bottlers' Machinery), 31 1st av
*Blount Plow Works (Agrl. Impits., Plows, etc), 1128 E Illinois
*Clarke Gas Engine Co., 1503 Canal
†Crescent Stove Works, 701 1st av
*†Davidson-Dietrich Plow Co. (Plows & Castings), 402 1st L
§Evansville Brass Works
*†Evansville Metal Bed Co., 700 7th av
†Evansville Stove Works (Stoves, Ranges & Hollow Wares)
*†Evansville Tool Wks. (Axes, Hammers, Hatchets, etc.)
*Faultless Caster Co. (Casters), 1521 N Garrin
*†§Grote F. Mfg. Co. (Iron Fdrs. Bldrs., Iron Works, etc), 120 3d av
*Hartig W. F. Plow Co. (Plows, Cultivators, etc), 2200 1st av
§Healey, Peter (Brass Fdry., Plumbers Goods, etc), 201 L
*†§Holtz F. Co. (Iron Foundry, Saw Mills, etc), 18-30 3rd av
†Indiana Stove Works (Stoves, Ranges & Hollow Ware)
*†International Steel & Iron Co.

*Kelsay Newton, 1202 Main
*Lindenschmidt Co.
*†Mesker Geo. L. & Co. (Iron Fdrs. & Bldrs. Iron Works)
§*Peerless Tank & Seat Wks.
*Schroeder Headlight & Generator Co. (Headlights & Turbo-generators)
†Southern Stove Works (Stoves, Ranges & Hollow Ware)
*Steel Scaffolding Co.
†Vulcan Plow Co. (Plows, etc.)

FORT BRANCH—*†Lintz Henry & Son
*Polk-Genung-Polk Co.

FORT WAYNE—*†Bass Foundry & Machine Co. (Corliss Engines, Forgings, Iron & Steel, Castings, Grey Iron, Car Wheels, etc)
†Central Foundry Co. (Grey Iron Castings)
*Clausmeier E. F. (Road Machy.), 221 E Columbia
*Deister Concentrator Co. (Mining Machinery)
*Deister Machine Co. (Ore Concentrators)
*§Fort Wayne Electric Works of General Electric Co. (Dynamos, Motors, etc.)
*Fort Wayne Engineering & Mfg. Co. (Compressors, Pumps, etc.)
*Fort Wayne Foundry & Machine Co.
§*General Elec. Co.
See adv index at end of book
*Horton Mfg. Co. (Washing Machines)
Kunkle Valve Co. (Brass Fndrs. & Machinists' Safety Valves), 119 N Clinton
†§Menefee Foundry Co. (Grey Iron Castings)
*Noble Machine Co. (Coopers Machy.)
Schemeling & Alter
Van Arnam Mfg. Co. (Plumbers' Supplies, etc.)
†Wayne Foundry Co., 1711H Gay
Western Gas Construction Co. (Gas Works Apparatus & Machy.), 1431 Buchanan

FRANKFORT—*§Wallace Mfg. Co. (Brick & Drain Tile Machinery)

GARY—†§*Ind. Steel Co.

GAS CITY—*†§American Sheet & Tin Plate Co.

GENEVA—*Cross W. D. (Jobbing)

GOSHEN—*Alford Motor & Machine Co.
*Fuller Otis L. Co. (Slitting Shears)
§*Harwood L. A.
*†Kelly Foundry & Machine Co. (Boiler Fronts Grate Bars, etc.)
*Lewis & Neville Mfg. Co.
*National Dairy Machine Co. (Dairy Machinery, etc.)

GREENFIELD—*†§Abbott Johnson R.

GREENSBURG—*Luchte Jos. L.

GRIFFITH—*†Griffith Mfg. & Supply Co.

HAGERSTOWN—*§Indiana Piston Ring Co.

HAMMOND—*Betz Frank S. Co. (Surgical & Dental Instruments)
*†Champion Potato Machine Co. (Potato Machinery)
*§Hammond Brass Works
*Hammond Machine & Forge Works
*Illinois Car & Mfg. Co.
*Standard Steel Car Co. (See Pittsburgh, Pa.)
*Steel Car Forge Co. (See Pittsburgh, Pa.)
†United Boiler Heating & Foundry Co.

HUNTINGTON—†Armstrong Steel Castings Co.
*†§Majestic Co.
*Orton & Steinbrenner Co. (See Chicago, Ill.)

INDIANA HARBOR—*Inland Steel Co. (See Chicago, Ill.)
*Standard Forging Co. (Rough Machine & Finished Forgings)

INDIANAPOLIS — *American Buncher Mfg. Co., Olive & Harding
†American Foundry Co.
*American High Speed Chain Co., 225 E South
*Atkins E. C. & Co. (Saws, Tools & Machinery), 402 S Illinois
*Automotive Parts Co., 1125 Mass. av
B. & B. Mfg. Co. (Foundry Moulding Machy.), 2018 Mass. av
*Brown-Manly Plow Co., 418 E Louisiana
*Capital Machine Co.
*Castle Refrigerating Machine Co., 138 S Neal
*Central Machine Works (Machinists, etc), 437 S Senate
*Central States Bridge Co. (Steel Bridges, etc.), 601 Beecher
*†Chandler & Taylor Co. (Engines, etc), 205 S Addison & Big Four R. R.
*†Enterprise Iron Works (Grey Iron Castings)
*§Fairbanks-Morse Electrical Mfg. Co., 134 S Meridian
*Federal Fdy. Co., 502 S Harris
*Geiger & Peters (Archl. Iron Works, etc), 1709 Madison av
*Green Thos. L. & Co. (Bakers' Machinery), 202 Miley av
*Hall A. M. Co. (Laboratory Machinery)
*†Hetherington & Berner (Asphalt Machinery & Foundry)
†Holcomb & Hoke Mfg. Co., 1546 Van Buren
*†Home Stove Co. (Stoves & Ranges), 501 Kentucky av
*Howard Michael E. (Machinist), 373 S Senate
*Huetter Machine and Tool Co., 545 Kentucky av
*Indiana Die Casting Co.
*Indiana Fan Co. (Blowers, Exhausters, Water Motors, Fans, etc), 40 E South
*Indiana Mfg. Co. (Straw Stackers), Merchants Bank bldg
*§Indianapolis Brass Co., 1012 E Mich.
*Indianapolis Excelsior Machinery Co. (Excelsior Machinery, etc), S Keystone av & Belt
†Indianapolis Stove Co., Roosevelt & Columbia
*Insley Mfg. Co. (Concrete Dump Buckets, Hoists, etc), 3500 St. Clair
*§Keyless Lock Co. (Post Office Equipments, etc), Pike & Homey
*Langsenkamp F. H., 130 E Georgia
*§Langsenkamp-Wheeler Brass Works (Brass Fdrs. & Finishers), Sanders & Shelby
*Lees John (Special Machinery), Georgia & Senate
*LINK-BELT COMPANY (Belmont Foundry Malleable Iron; Ewart & Dodge Plants, Chains), General Offices, Chicago, Ill. & Philadelphia, Pa. *See adv index at end of book*
*†McNamara-Koster Foundry Co. (Grey Iron Castings), 410 S Penn
Midwest Engine Co. (Air Compressors & Diesel Oil Engines)
Milholland Sales & Engineering Co., 415 E 35th
†National Malleable Castings Co. (See Cleveland, O.)
*†§Nordyke & Marmon Co. (Flour Mill Machinery, etc.)
†Over Ewald (Grey Iron Castings)
†Peerless Foundry Co. (Castings & Stove Repairs)
*§Pioneer Brass Works (Brass, Bronze & Aluminum Founders, Finishers & Plumbers' Goods), 1102 E 23rd
*†Potts C. & A. & Co. (Clay Machy)
*Roch Tobias
*Russell Wind Stacker Co. (Straw Stackers), 1001 Shelby
*Schmid E. Co., 3143 College
*†Sinker-Davis Co. (Engines & Saw Mill Machinery)
*Utility Stove & Range Co. (Stoves, etc), 216 Board of Trade
*Western Machine Works, West & Market

JASPER—*†Jasper Machine Works

JEFFERSONVILLE—*†American Car & Foundry Co.
*†§Anderson Geo. S, Co. (Machine Work, etc.)
*Bauer Machine Co.
*†Howard Shipyards Co.
*†Indiana Hollow Ware Co. (Cast Iron Hollow Ware, etc.)
*†Sweeney M. A. Shipyard & Foundry Co.

KENDALLVILLE—*Baker J. R. & Sons Co. (Specialties)
*†Flint & Walling Mfg. Co. (Windmills, Engines, Pumps, etc.)
*Raber & Lang Mfg. Co. (Concrete Machinery)
*Wert C. S. (Brick Machinery)

KNIGHTSTOWN—*Oakerson Jonas
*Parish Alford Fence & Machine Co. (Fence Machines, etc.)

KOKOMO—§*Byrne Kingston & Co.
*Chandler Machine Co.
*†Globe Stove & Range Co. (Stoves & Ranges)
§Haynes Stellite Co.
*§Kokomo Brass Works (Plumbers' Brass Goods)
*Kokomo Electric Co. (Spark Coils)
*Kokomo Fence Machine Co. (Fence Machinery)
*§Long Bros. (Automobile Accessories)
*Riverside Machine Works
*Superior Machine Tool Co. (Drilling Machines)
*Ulrich Mfg. Co.
*Walton & Macke Nail Co. (Wire Nail Machines)

LADOGA—*Hillis J. W. & Son

LAFAYETTE—*Duncan Electric Mfg. Co. (Electric Meters)
*†McGrath Robert H.
*§Motsinger Device Mfg. Co. (Auto Parts)
*Ross Gear & Tool Co. (Tools, Auto Gears)
*Ross Machine Co. (Auto Parts)
*†§Schwab Safe Co. (Bank Vaults, Safes, etc.)
*†Wallace Machine & Foundry Co. (Castings, Manhole Covers, etc.)

LA GRANGE—*§La Grane Machine & Repair Co. (Mach. & Garage)

LAPEL—*Wright George W. (Gas Regulators, Pumps, etc.)

LA PORTE—*†§Advance Rumley Co. (Engines, Threshers, Stackers, etc.), Madison & Lincon Way
*Gangwer & Co.
*Great Western Mfg. Co. (Press Work)
†§*La Porte Fdy. & Furnace Co.
*Niles & Scott Co. (Wheels, etc.)
†§Northern Fdy. Co.
*United States Slicing Machine Co. (Meat Cutters)

LAWRENCEBURG—*†§Cook August D. (Deep Well Pumps, Well Strainers, etc)
*Ohlen Bishop Co.

LEAVENWORTH—*Jenner John H.

LEBANON—*Dairy Cream Separator Co.
*Eagan Seth S.

LOGANSPORT—*Logansport Boiler & Machine Works
*†Logansport Radiator & Equipment Co. (Radiators)
*Obenchain-Boyer Co. (Fire Extinguishers)
ings)

MADISON—*†§Johnson Foundry & Machine Shops
*†Madison Machine Co. (Machinists)

MARION—Allmur Mfg. Co.
†Atlas Foundry Co.
†*Bahr Bros. Mfg. Co.
*†Central Machine & Foundry Co.
*Chicago Glass Novelty Co.
*†Harwood-Barley Mfg. Co. (Iron and Brass Bedsteads)
†Hoosier Stove Co.
*†Hulley Foundry & Machine Works
†Marion Grey Iron Foundry Co. (Grey Iron Castings)
*†§Marion Machine, Fdr. & Supply Co. (Gas & Steam Engines, Repair Works & Brass & Iron Castings)
†Marion Malleable Iron Works
†§Marion Stove Co. (Stoves)
*†§Rutenber Motor Co. (Gasoline Motors, Brass & Grey Iron Castings)
Western Drop Forge Co., P. O. Box 386.

MICHIGAN CITY—†Bies J.
*†§Haskell & Barker Car Co. (Car Bldrs., Brass, Steel, Grey & Malleable Iron Castings)

MILROY—*Hills F. O.

MISHAWAKA—§Clark Geo. C. Metal Last Co.
†§*Dodge Sales & Engng. Co.
*Mishawaka Machine Co.
*†Perkins Corp. (Windmills, Tanks, Agricultural Implements, etc.)
*†Premier Bed Co.

MONTEZUMA—*Montezuma Machine Wks

MONTPELIER—†§*Montpelier Mfg. Co.
*†§National Steel Casting Co. (Steel Castings, Car Couplers, etc)

MOUNT VERNON—*†§Keck-Gonnermann Co. (Iron Fdrs., Threshers, etc.)

MUNCIE—*†§American Lawn Mower Co.
*Carpenter G. Albert
§Del. Brass & Aluminum Co.
†§Eagle Foundry Co. (Castings)
*Kemp Machine Works (Aeroplane Motors)
*Kitselman Bros. (Fence Machines, etc.)
†§Machinists' Foundry Co. (Castings)
*Moon Machine Co., Muncie, Ind.
*†Muncie Fdy. & Machine Co. (Castings, etc.)
*Muncie Gear Works
Muncie Malleable Foundry Co. (Malleable Iron Castings)
*Warner Electric Co. (Electric Specialties)
*Warner Gear Co. (Gears, etc. automobile)
†Whiteley Steel Co. (Steel Castings)

NAPOLEON—*Schlueter Stephen

NARSAW—†Dalton Fdy.

NEW ALBANY—*Anchor Stove & Range Co. (Stoves, etc.)
*†Gardner S. J. Fdry. & Machine Co.
*Goetz Coleman Mfg. Co. (Gasoline Engines, etc.)
†§Gohmann Bros. & Kahler Co. (Stoves)
*†§Hegewald Chas. Co.
†Milligan Madison Co.
*†New Albany Machine Mfg. Co. (Stone Working Machinery)

NEW CASTLE—*†§Allen Pitless Scale Co.
*Indiana Rolling Mill Co. (Machine Shop for Use of the Company)
*National Spring Co.
†New Castle Foundry Co. (Iron Fdrs., Grey Iron Castings)
*Pan-American Bridge Co. (Bridge & Structural Steel Works, etc.)
*Shopp W. A. & Co. (Pump Governors)

NEW HARMONY—*Tretheway W. O.

NOBLESVILLE—*†Union Sanitary Mfg. Co. (Cast Iron Enameled Sanitary Ware)

NORTH MANCHESTER—†Manchester Mfg. Co. (Boiler Cleaners)
†§*Miller Jesse E.
†North Manchester Fdy. Co.

NORTH VERNON—*†§Hicks Harry (Machinist & Fdry.)

OSGOOD—*†§King H. P. Foundry & Machine Works

PERRYSVILLE—†*Perrysville Stove Wks.

PERU—*Peru Auto Parts Mfg. Co. (Engines, etc)
*†Peru Brass & Mfg. Co.

PETERSBURG—*Warner E. T.

PLYMOUTH—*Clizbe Bros. Mfg. Co. (Tool Grinders, etc.)
*Keller & Jeffirs (Machinists)
†*Portland Forge & Fdy. Co.

RED KEY—*Fiers W. T. (Pumps, etc.)

RICHMOND—*Advance Co., 542 N 14th
*†American Seeding Machine Co. (Agri. Impits.) (Hoosier Branch.)
(See Springfield, O.)
*Dille & McGuire Mfg. Co. (Lawn Mowers)

(Continued on following page)

Machinists & Founders—Continued

INDIANA—RICHMOND—Continued

*Draver E. R. (Special Machy., etc)
*Eagle Machine Works
*Eureka Fence Mfg. Co.
*Evans John A. Co. (Ventilating Apparatus, etc.)
*F & N Lawn Mower Co. (Lawn Mowers)
*Hayes Track Appliance Co. (Derailers, etc.)
*Jones J. E.
*Marlatt Samuel (Machinist)
*National Automatic Tool Co. (Multi Drilling & Tapping Machy, etc)
*†Reliance Foundry Co. (Auto Castings)
†Richmond Malleable Castings Co.
*Richmond Safety Gate Co. (Safety Gates, etc.)
*Richmond Standard Mfg. Co. (Air Compressors, Patterns & Gasoline Engines)
Richmond Water Softener Co.
§Riverside Brass Works
*†§Rumely M. Co. (Engines, Threshers, etc)
*†Swayne, Robinson & Co. (Threshers, Baling Presses)
*†§Wayne Works (Agrl. Implts., Grey Iron Castings, etc.)

ROCKPORT—*†Pfeifer John C. (Fdry & Mach)

ROYAL CENTER—*Ford William B. (Machinists & Garage)

RUSHVILLE—*†Arbuckle & Co. (Clay Working Mach'y.)
*Francis Chas. E. Co. (Woodworking Mach'y.)
*Madden Bros. Co.

SALEM—*Bellows Bros.

SARATOGA—*†§Harshman John F. & Sons

SEYMOUR—*§Buhner Rudolph F

SOUTH BEND—*†Birdsell Mfg. Co. (Clover Hullers, Straw Stackers, Wagons, etc.)
Bowsher N. P. Co.
*Campbell Wire Specialty Works
*Collmer Bros. (Cycle & Auto Parts)
*Crescent Machine Works
*†Cutter Geo. Co. (Electrical Specialties & Trolley Line Materials)
*Fabric Roll Protector Co.
§Fulton Harwood Brass Foundry Co. (Brass & Aluminum Castings)
*Haberle J B. (Special Machy., etc.)
*Iwan Bros.
*Long Distance Telephone Mfg. Co. (Telephones)
†Malleable Steel Range Mfg. Co. (Steel Ranges, etc.)
*Maurer Wm. & Co. (Steam Specialties, etc.)
*†Motor Castings Co. (Grey Iron Castings, etc)
*†Oliver Chilled Plow Works (Plows, etc.)
Quick Action Magneto Co.
*Schafer F. & Son (Machinery & Tools)
*†Sibley Machine Co., 70 Full. (Mach. Tools, Power Drills, etc.
†Sibley Stove Co.
*†Sibley Upright Drill Co.
†Singer Mfg. Co.
*†§South Bend Chilled Plow Co. (Plows, etc.)
*†South Bend Foundry Co. (Grey Iron Castings, Street & Building Castings, etc.)
*South Bend Watch Co. (Watches, etc.)
*Starr C. M. Mfg. Co. (Carriages & Machinists)
*†§Studebaker Corp. (Wagons, Carts, etc)
*Union Electric Mfg. Co. (Electrical Repairs)

TELL CITY—*†§Tell City Foundry & Machine Works

TERRE HAUTE—*Bialek Wm.
*Buettner-Shelburne Machine Co. (Repair Parts for Coal Mining Machines, etc) (See St. Louis, Mo.)
*†Eagle Iron Works Co.
†Gartland Foundry Co. (Grey Iron Castings, etc.)
*Hazledine E T. Co. (Machinist)
*Kester Electric Co. (Electric Motors)
†§Pittsburgh, Cincinnati, Chicago & St. Louis R. R. Shops
†Springer-Whitaker Foundry Co.
§Terre Haute Bronze & Brass Fdry.
†Terre Haute Malleable & Mfg. Co.
*Wabash Mfg. Co.

UNION CITY—*Backstay Mach. & Leather Co. (Machinists)
*Union City Wheel Co.

UPLAND—*Wise R. S.

URBANA—Cyclone Seeder Co. (Agricultural Implts., Seeders & Sowers)
*Speicher D. E. (Seed Sowers, etc.)

VANBUREN—*Haynes Machine Co.
*Mills Machine Co.

VEEDERSBURG—*Veedersburg Machine Works

VERNON—*Reed & Rogers Mfg. Co. (Harrows & Rakes, etc.)

VINCENNES—*†§Central Foundry Co. (See New York)
*Hartman Mfg. Co. (Agrl. Implts., Cultivators, etc.)
*Mahoney R. R. Ditching Machine Co. (R. R. Ditching Machines)
*National Rolling Mill Co.
*†§Vincennes Foundry & Machine Co.
*Williams Henry M.

WABASH—*Diehl G. M. Machine Works
§Ford Meter Box Co.
*Rettig F. J. & Sons
*Service Motor Truck Co. (Motor Trucks)
*†§Wabash Foundry Co.

WARREN—Arnold Daniel (Jobbing)

WARSAW—*†Maish Mfg. Co. (Iron Castings, etc.)
*†§Wentz O. W.

WASHINGTON—*†§Denver Frank

WINCHESTER—*Winchester Machine Works

WOLCOTTVILLE—*†§Morel Bros.

IOWA.

AKRON—*Hilliker C. M. & Son

AMES—*Loughran Machine Co. (Agricultural Implements)

AURELIA—*Mummert Jonas S.

AVOCA—*†Jacobs Bros.

BELLE PLAINE—*†§Palmer Bros.

BELLEVUE—*Brandt J. M. (Gasoline Engines)

BETTENDORF—*†Bettendorf Co. (Basic Open Hearth)
*Davenport Mfg. Co. (Paper Balers), State & Bettendorf
*Micro Machine Co. (& Ice Chipping Machines, etc.)
†Zimmerman Steel Co. (Stump Pullers, Wagon Scales & Steel Castings)

BOONE—*†Quinn Wire & Iron Works (Castings & Cement Mach'y, etc.)
*†§Sampel J. F.

BURLINGTON—*Mississippi Pearl Button Co.
*Mohland & Co. (Grubbing Machines)
*†§Murray Iron Works Co. (Corliss Engines, Ice & Refrigerating Machinery, etc.)

CARROLL—*Helder Mfg. Co. (Equalizers, etc.)

CEDAR RAPIDS—*†Cedar Rapids Foundry & Mach. Co. (Grey Iron Castings, etc.)
*†§Cedar Rapids Pump Co. (Iron Pumps, etc.)
*†§Chandler Pump Co. (Iron Pumps, etc.)
*§Dearborn Brass Co. (Brass Founders' & Finishers' Plumbing Goods, etc.)
*Denning Tractor Co. (Traction Engines, etc.)
*Fawcett C. E. (Machinists)
*†§Iowa Steel & Iron Works (Castings & Structural Wk.)
*Iowa Wind Mill & Pump Co.
*Rabus & Toeller (Machinists)
*†Stary Frank & Sons (Small)
*Steel Basket Co.
*Tokheim John J. Co. (Oil Pumps, etc.)
*Universal Crusher Co. (Rock & Ore Crushers)
*White T. G.

CENTERVILLE—*Hercules Mfg. Co.

CHARLES CITY—*†Am Tractor & Fdry Co. (Oil Engines & Farm Tractors)
*†§Hart-Parr Co. (Traction Engines)
*†§Moss, W. E.

CHEROKEE—*†§Caswell Mfg. Co. (Belt Guides, etc.)
*†Cherokee Mfg. Co.

CLARINDA—*Clarinda Lawn Mower Co. (Lawn Mowers)
*†Lisle Mfg. Co. (Well Drilling Machinery)

CLINTON—*†Climax Engng. Co.
†§*Clinton Lock Co.
*Collis Co.
*†Iowa Machine Works

COUNCIL BLUFFS—*Clark Implement Co. (Agri. Impits.)
*†Incandescent Light Mfg. Co. (Machinists)
*†§Kimball Bros. Co. (Passenger & Freight Elevators, etc.)
*Machine Mfg. & Engineering Co.
*†Sprague Foundry & Mfg. Co. (Castings, Hot Air Furnaces, etc.)

DAVENPORT—*Brammer H F Mfg. Co. (Washing Machines)
*†§Davenport Locomotive Works (Light Locomotives, etc.)
*†§Davenport Machine & Foundry Co. (Grey Iron & Brass Castings & Special Heavy Machinery, etc.)
*Davenport Mfg. Co. (Paper Balers)
*†§Frank H. J. Foundry & Machine Co.
*†French & Hecht (Metal Wheels & Castings)
*Krone Charles (Jobbing)
*Linograph Co. (Typesetting Machines)
*Neumann H. W. Machine Co.
*†Red Jacket Mfg. Co. (Pumps & Grey Iron Castings)
Voss Bros. Mfg. Co. (Washing Machines)
*Walther-Vogeler Gas Machine Co. (Gas Machines)
*White Lily Mfg. Co. (Washing Machines)

DECORAH—*Johnson Peter & Sons (Machinists)

DES MOINES—*†§Beckman Bros. (Pumps, Windmills, Scales, etc.)
*†Des Moines Stove Repair Co.
*Dodd & Struthers
*†Eagle Iron Works (Mining & Brick Machinery, etc.)
*Globe Machinery & Supply Co.
Green Fdy. & Furnace Wks.
*Iowa Machinery & Supply Co.
†*Keith Furnace Co.
*New Monarch Machine & Stamping Co.
*†Wood Bros. Thresher Co. (Agrl. Implements, etc.)

DUBUQUE — *†§Adams Co. (Machine Tools, etc.)
*Cooper A. A. Wagon & Buggy Co. (Plows, Cultivators, etc.)
*Dubuque Boat & Boiler Works (Ship Builders, etc.)
*Ernsdorff John Iron Co.
*Ferguson Mfg. Co. (Pumps)
Klauer Mfg. Co., (Hardware Specialties)
§*Kretschmer Mfg. Co.
*Ragatz & Son (Machinists)
*§Schmid Mfg. Co.
*†§Smedley Pump Co. (Steam Pumps, etc.)
*Voggenthaler E. J. Co.

ELDORA—*†§Brown Bros. Foundry & Machine Co.

ELKADER—†Allen Bros.

FAIRFIELD—*†Louden Machinery Co. (Haying Tools, etc.)
†Iowa Malleable Iron Co.
*Pence W. H

FORT DODGE—*†§Iowa Foundry & Mfg. Co. (Gasoline Engines)
†§*Fort Dodge Fdy. Co.
*Monarch Telephone Mfg. Co. (Telephones, etc.)
*Sargent Tile Ditcher Co.

FORT MADISON—§*Acme Chandelier & Mfg. Co.
*American Fork & Hoe Co.

HARLAN—*†Deen Loom Co.
*†§Nelson Gas Engine & Auto Co.

IOWA CITY—Tuloss I. E. (Foundry)

IOWA FALLS—*Gade Bros. Mfg. Co. (Gasoline Engines)

KELLOGG—*Gould Balance Valve Co. (Valve Mfrs.)

KEOKUK—*†American Stove & Range Co. (Stoves)
*Decker Mfg. Co. (Hog Rings, Curry Combs, etc.)
Industrial Supply Co. (Machine, Mill Supplies, Factory Appliances Manufrs. Agents)
*†§Kollmyer & Talbot (Machinists & Fdrs.)
†§*Peckstein Iron Wks.
†Reese W. J. Brass Fndry. Co. (Brass Bronze and Aluminum)
*Thomas Machine Co.
*Weber & Kirch Mfg. Co. (Cream Separators)

LAKE MILLS—*Gering Bros.

LEMARS—*†§Pech Gus Foundry & Mfg. Co. (Well Drilling Machinery, etc.)

MARSHALLTOWN — *Brauer Acetylene Lighting Co.
*†Central Foundry Co.
*Dunham C. A. Co (Steam Traps)
*Fisher Governor Co. (Pump Governors, etc.)
*†Lennox Furnace Co. (Stoves, Ranges & Heaters)
*†§Lennox Machine Co. (Water Tapping Machines & Gasoline Engines, etc.) (See Chicago, Ill.)
*Light Draft Harrow Co.
Marshalltown Mfg. Co.

MASON CITY—*Beecher Walter A. (Machinist)

MECHANICSVILLE—*Davisson O. J.

MONTICELLO—*†Page Frank W.

MONTOUR—*Downs W. A.

MUSCATINE—*†Barry Mfg. Co. (Button and Power Transmitting Machinery)
*†Giesler & Co. (Malleable Iron Wagon Brakes, etc.)
*Heitz Louis R. (Button Mach'y, etc.)
†Niver Iron Works Co. (Grey Iron Castings, Building Fronts, Machine Castings, etc.)
§Schermer Bros., Dept. H
*Vance & Baker Mfg. Co. (Canning Machinery, etc.)

MYSTIC—*Ford Geo.

NEWTON—*Automatic Electric Washer Co. (Washing Machines)
*†§Maytag Co. (Agricultural Implts., etc.)
*One Minute Mfg. Co. (Gas & Gasoline Engines, Pumping Jacks, etc.)
*†§Parsons Co. (Trench Excavating Machy., Steel & Iron Castings, etc)
*†Skow Mfg. Co.

NORTHWOOD—*†Nelson Henry

ODEBOLT—*Kistler & Steppstedt

OELWEIN—*Potter V. W.

OSKALOOSA—*†§Iowa Valve Co. (Valves, Hydrants, etc.)
*†Seevers Mfg. Co. (Heaters, etc.)

OTTUMWA—*American Mining Tool Co. (Mining Tools, etc.)
*†§Dain Mfg. Co. (Hay Loader, Haying Tools, etc.)
*Hardsocg Mfg. Co. (Coal Drills, etc.)
*Hardsocg Wonder Drill Co. (Rock Drills, etc.)
*Johnston & Sharp Mfg. Co. (Ball Bearing Sash Pulleys, etc)
*†§McCarroll Bros. (Stoves, etc)
*Nicholls Mfg. Co. (Carpenters' Squares, etc.)
*†§Ottumwa Box Car Loader Co. (Car Loaders, Mine Cars, etc.)
*†Ottumwa Iron Works (Mining Machinery)

PELLA—*†Buerkens Mfg. Co. (Wagons, etc.)
*†Garden City Feeder Co. (Hay Stackers, etc.)
PERRY—*†At Last Washer Co.
PRAIRIE CITY—*†§Dowden Mfg. Co. Ltd. (Potato Harvesting Machy.)
*Jenks & Son (Gas Generators, etc.)
RED OAK—*†§Kerrihard Co. (Power Hammers, etc.)
*Red Oak Bridge & Iron Works
ROCKFORD—*Ayers C. E.
SAC CITY—*†Martin Co.
SHENANDOAH—*†Smith Benjamin
SIOUX CITY—*Central Machine Works & Auto Co.
*†Novelty Mfg. Co.
WATERLOO—*Armstrong Mfg. Co. (Well Drilling Machy., Forging of all Kinds, Gasoline Engines, etc)
*†Associated Mfrs. Co. (Gasoline Engines, Concrete Mixers, etc.)
*†Black Hawk Mfg. Co.
*†Bovee Furnace Works
*Chamberlain Machine Works
*Construction Machinery Co. (Hoisting Engines, Etc.), 113 Vinton
*Ferguson Mfg. Co. (Well Drilling Machinery)
†Gibson David
†Goodman W. A.
†Hawkeye Foundry Co.
†Headford Bros. & Hitchins Foundry Co.
§Iowa Brass Foundry
*Iowa Gasoline Engine Co. (Gasoline Engines)
*Iowa Spreader & Engine Co. (Manure Spreader)
*†Litchfield Mfg. Co. (Farm Machinery)
*†Stewart Mfg. Co. (Contrete Machy)
§Superior Brass Fdy.
*†Swift Mfg. Co. (Feed Grinders, etc.)
§Waterloo Brass Foundry
†Waterloo Foundry Co.
†§Waterloo Gasoline Engine Co. (Gasoline Engines, etc.)
*†§Waterloo Register Co. (Registers, etc)
†Zeising & Son
WAUKON—*†Johnson J. S. & Son
WHAT CHEER—*What Cheer Tool Co. (Miners' Tools, etc.)

KANSAS.

ABILENE—* Brown O. W.
*Toliver L. H.
ARKANSAS CITY—*†§Beard Foundry & Machine Works, Dept. H
†§*Kirkwood Wind Engine Co.
ATCHISON—*Bailor Plow Mfg. Co. (Agrl. Implts.)
†Cooper Foundry, Dept. H.
*Locomotive Finished Material Co. (Rough & Finished Locomotive Castings)
*†Thayer Foundry Co. (Grey Iron Castings, etc.)
AUGUSTA—*C. L. C. Novelty and Furniture Corp.
BELLE PLAINE—*Owens J. A.
BURLINGTON—*Electric Appliance Co.
CHEROKEE—*Webster Frank L. & Son
CHERRYVALE—*†§Cherryvale Iron Wks. Co.
EMPORIA—*†§Jones' Jos. C. Sons
ENTERPRISE—*†§Ehrsam J. B. & Sons Mfg. Co. (Flouring Mills, Cement and Plaster Mill Machinery, etc.)
FORT SCOTT—†Anderson R. K.
†§*Eller Chas.
FREDONIA—*§Belt P. P.
GALENA—*†§Galena Foundry & Machine Co. (Mining Machinery, Grey Iron Castings, etc.)
*†Rauch Manfg Co. (Mining Machy.)
*Stone & Pinson
GALESBURG—*Shaw Mfg. Co. (Motorcycles)
GIRARD—†Hitz C. Foundry Co.
HIAWATHA—*†§Cash W. F. & Co.
HUTCHINSON—*Hutchinson Foundry & Machine Works
*Nelson Mfg. & Supply Co.
INDEPENDENCE—*Bovaird Supply Co. (Oil Well Supplies)
*†Independence Iron Works Co.
*National Supply Co (Oil Well Supplies)
*†§United Iron Works Co. (See Kansas City, Mo.)
IOLA—*†§United Iron Works Co. (See Kansas City, Mo.)
KANSAS CITY—*†§Anderson Coupling & Fire Supply Co. (Fire Dept. Supplies)
*Badger Gas & Gasoline Engine Co. (Gas & Gasoline Engines)
*†Griffin Wheel Co. (See Chicago, Ill.)
*Missouri Boiler Works Co. (Repairs)
*Parker Machine & Fan Works
*†Strait H. N. Mfg. Co. (Corliss Engines, Cooperage Machinery, etc.)
*Strait Scale Co.
†West Side Foundry Co. (Iron Fdrs.)
LAWRENCE—*†§Lawrence Iron Works
LEAVENWORTH—*†§Fisher Machine Works Co. (Ice & Refrigerating Machinery, etc.)
*†Great Western Mfg. Co. (Grain Elevator & Flour Mill Machy., etc.)
*Missouri Valley Bridge & Iron Co.
MANHATTAN—*†§Blue Valley Mfg. Co. (Agl. Implts.)
NEWTON—Nellan G. M.
NORTON—*†§Norton Mfg. Co.
OBERLIN—*Bradley Perry
OTTAWA—*Union Foundry & Machine Co. (Gasoline Engines)
PAOLA—*†U. S. Radiator Corp. (See Detroit, Mich.)
PARSONS—*†Smith Millard F.
PITTSBURG—*†§United Iron Works Co. (See Kansas City, Mo.)
SALINA—*Kouns Wesley (Agrl. Implts.)
*†§Wyatt F. Mfg. Co. (Agricultural Implements, etc.)
*Ziegler W. F. (Corn Harvesters, etc.)
SENECA—*†Butler & Son
TOPEKA—*†Capital Iron Works Co.
*†Currie Windmill Co
§Magnus Metal Co. Inc.
*Perine Plow Works (Plows, etc.)
*Semprez John
Topeka Bridge & Iron Co.
*†§Topeka Foundry & Iron Works. (Potato Diggers)
*†§Western Foundry & Machine Works (Iron & Brass Founders & Machinists)
WAKEENY—*Spena John W.
WICHITA—*Brooks Machine Co.
*Christopher Geo. C. & Son
*Reschke Machine Works Co (Agricultural Implements, etc.)
†§*Schermuly Mfg. Co.
†Sharon W. J.
†*Sibbitt Foundry & Iron Works
*†§Western Iron & Foundry Co.
†*Wichita Foundry Co.
WILSON—*†Wolfe W. S.
WOODSTON—*McNutt Hubert C

KENTUCKY.

ASHLAND—*†§Ashland Foundry & Machine Works
†*Ashland Steel Co.
*†§Norton Iron Works
AUGUSTA—*† Augusta Stove Foundry
*Margraff Mfg. Co. (Machinery)
BOWLING GREEN—*†§Bowling Green Machine Co.
CANE VALLEY—†Dudgeon Co. (Stoves, Ovens, etc.)
CLOVERPORT—*Cloverport Boat & Mfg. Co.
COVINGTON—*Anthe Machine Works
Avey Drilling Machine Co.
*Barker Wm. & Co. (Machine Tools)
*Covington Archl. Iron Works
*Hollingworth Machine Tool Co. (Machine Tools, etc.)
*†Houston, Stanwood & Gamble Co. (Steam Engines)
Insurance Foundry Co. (All Kinds of Light & Heavy Machine Castings)
*§Michael's Art Bronze Co.
*Reliable Safe & Lock Co., Inc.
*Sebastian Lathe Co. (Machine Tools), 3rd & Philadelphia
†Star Foundry Co. (Stoves and General Iron Founders)
EARLINGTON—Earlington Machine Wks.
FRANKLIN—*Enterprise Machine & Garage Co.
HAZARD—*Hazard Motor Co.
HOPKINSVILLE—*†Forbes Mfg. Co. (Agrl. Implts., Hdw., etc.)
LEXINGTON—*§American Metallic Packing Co. (Metallic Packings, Brass Castings and General Machinists)
*†§Lexington Engine & Boiler Works
*Timmins Walters Machine Co.
LOUISVILLE—AMERICAN ELEVATOR & MACHINE CO. (Elevators, etc.)
*American Iron Works
*†§Avery B. F. & Sons (Agrl. Implts.)
†Balke & Co.
*†§Bridgeport Co. (Stoves)
*†Brinly Hardy Co. (Agrl. Implts., Plows, etc.)
*†§Caldwell W. E. Co., Brook & D
*Clark Jas., Jr., Electric Co. (Machine Tools, Dynamos, Motors)
*Cook C. Lee Mfg. Co.
†Dow Wire & Iron Works Co. (Conveying Machinery, Castings, etc.),
*†Drummond Mfg. Co. (Grey Iron Castings, etc.)
*Franke F. & Co.
*†Grainger & Co.
*Kentucky Saw Works (Machinists)
*†Kentucky Wagon Mfg. Co.
*Laib Co.
†Louisville Bridge & Iron Co.
†Louisville Car Wheel & Railway Supply Co. (Car Wheels, etc.)
*†Louisville Drying Machine Co. (Drying Machinery)
Louisville Elec. Mfg. Co. (Drilling Machines), 31st & Magazine
*†Louisville Tin & Stove Co.
†Martin H. H. Mfg. Co.
*Model Generator Co., 1717-23 Magazine
*§Moran Flexible Steam Joint Co. (All Metal Flexible, also for Steam or Liquid)
*†§National Foundry & Machine Co. (Steam Pumps, etc.)
†O K Stove & Range Co. (Stoves)
*†§Peerless Mfg. Co. (Iron & Brass Founders, Grates & Iron & Brass Goods)
*Pyne Co.
*Reilly Steam Pump Works (Pumping Machinery)
*Sheppard Mfg. Co. (Jobbing)
*†Snead Archl. Iron Works (Builders' Castings & Iron Work)
*†§Standard Sanitary Mfg. Co. (See Pittsburgh, Pa.
*§Stege Brass & Plating Wks. (Finishers & Platers)
§Vendome Copper & Brass Works
*†Vogt Henry Machine Co. Inc. (Ice & Refrigerating Machy, etc)
LUDLOW—§Carran R. B. & Sons Co.
McHENRY—*†McHenry Mfg. & Mchy. Co.
MAYSVILLE—*†Hall Jas. H. Plow Co. (Plows, etc.)
*Ohio Valley Pulley Works
*Thompson & McAtee (Agric Implts)
MIDDLESBORO—†§*Hoe J. R. & Sons
NEWPORT—*Crawley Book Mchy. Co. (Bookbinders' Machy., etc.)
*Fletcher Mfg Co. (Motor Washing Machines)
†Newport Fdry. Co.
OWENSBORO—*Anglo-American Mills Co. (Flour Mill Machinery)
*Kentucky Electrical Co (Dynamo & Motors)
*Owensboro Shovel & Tool Co.
*†§Southern Foundry Co. (Castings & Bldrs., Iron Work, etc.)
†§*Wright Mach. Co.
PADUCAH—*†§Jackson Foundry & Machine Co.
*Lack Manfg. Co. (Aluminum)
*†§Shelton Bros. (Iron Fdry. & Machinists)
*Southern Textile Machy Co.
WINCHESTER—*Conway J. P.
*Hagan Gas Engine Mfg. Co. (Gas Engines, etc)
†*Love Fdy & Mach. Co.

LOUISIANA.

ABBEVILLE—*Ritter J. F.
ALEXANDRIA—*†Alexandria Iron Works
*Murphy John H.
*†§Ruston Foundry & Machine Shop
AMITE CITY—*†§Gullett Gin Co. (Cotton Gins)
BATON ROUGE—*Hogue S. D. & Son
†*Pearce Foundry & Machine Works
BERWICK—*†§Watkins Machine Works
CROWLEY—*†Acadia Iron Works (Ltd.)
*†Crowley Iron & Machinery Co.
DONALDSONVILLE—*†§Allen F. H.
FRANKLIN—†Le Blanc C. J.
GUEYDAN—*Booze G. W.
*Farmers' Machine Shop (Repair Work, etc.)
HOUMA—*Bergeron H. J.
JEANERETTE—*†§Moresi Antoine Co. Ltd.
JENNINGS—*Eaton Harry H.
*Getty F. I. (Well Screens, Iron Work, etc.)
LAKE CHARLES—*Michael James
*†§Reiser Machine Shop (Ltd.), (Fdry. & Machinist)
LECOMPTE—*Wiley E. W. Jr.
LEESVILLE—*†Leesville Iron Works
MANSFIELD—*†§De Soto Foundry & Machine Co. (Ltd.)
MERRYVILLE—American Lumber Co.
MINDEN—*Webb Press Co. (Ltd.)
MONROE—†Sanders, John D. (Gray Iron, Brass & Aluminum)
*†§Weaks Supply Co. (Iron & Brass Foundry & Machinists)
MORGAN CITY—*†Johnston & Hamilton
NEW IBERIA—*Bernard A. M
*†§Simon Geo. (Est of)
NEW ORLEANS—*Boland Machine & Mfg. Co. (Sugar Machinery), 1006 Tchoupitoulas
*†Clyde Iron Works Sales Co., 309 Magazine
See adv index at end of book
*†Crescent Bed Co., Ltd. (Bedstead Mfs), 2662 Gravier
*†§Dibert, Bancroft & Ross Co., Ltd. (Sugar Mill Machinery, Engines, Steel, Iron & Brass Castings, etc.), Tulane & Hagan av
*Hinderer's Iron Works (Arch'l Iron, etc.), 113 Camp
Johnson Iron Works, Dry Dock & Ship Building Co., Inc., Morgan & Sequin
†Killeen's Foundry & Iron Wks.
*§Koretke F. H. Brass Mfg. Co. (Brass Fdrs. & Finishers), 922 Magazine
*Lockett A. M. & Co., Ltd., 533 Baronne
*†§Murphy Jno. H. Iron Works (Sugar Machinery & Castings), 643 Magazine
New Orleans Machine Works, 509 Conti
*†Shakespeare Iron Works, 913 Girod
*†§Southern Machine Works, 335 Tchoupitoulas
*†§Southern Pacific Ry. Shops
*Sulpice L. F.
*†Swoop Julian M., 913 Girod
Von Phul Gilbert D. (Cane Sugar Construction), Hibernia Bank bldg.
Woodward Wight & Co., Ltd., Constance and Howard
PLAQUEMINE—*†§Nadler Henry
RAYNE—*Stamm, Scheele Mfg. Co. (Ltd.)
SHREVEPORT—*†§Henderson, W. K. Iron Works & Supply Co. (Saw Mill Mach'y, Castings, etc.)
*Victoria Safe & Lock Co. (Safes)
*†White Benj S, Machine Shop & Foundry
THIBODAUX—*†Jeffries Wm.
†§*Thibodeaux Fdy.
*†§Keefe Lawrence, Estate
VINTON—*Evangeline Iron Works (Oil fields)
WASHINGTON—*McNicholl John

(Continued on following page)

Machinists & Founders—Continued

LOUISIANA—Continued

WELSH—*Armstrong Mach. & Well Wks. Co. (Ltd.)
*Van Ness M. B.

MAINE.

AUBURN—Androscoggin Foundry Co., (Grey Iron Founders)
*Crawshaw J. M.
*Ray Wm. A., Jr.

AUGUSTA—*Fifield Bros. Co. (Gasoline Engines, etc.)
*Gay Geo. E. (Machinist & Engineer)
*Skehan W. J. & Co.

BANGOR—†Noyes & Nutter Mfg. Co. (Stores & Castings)
*†§Penobscot Machinery Co.
*Schwartz's M. Sons
*†§Union Iron Works (Iron & Brass Fdrs. & Paper & Pulp Mill & Wood Working, etc.)
†Wood & Bishop Co. (Stoves, etc.)

BATH—*§Bath Iron Works, Ltd. (Ship Builders & Marine Engines & Brass Fdrs.)
*†§Hyde Windlass Co. (Windlasses, etc.)
*Texas Steamship Co.
*†§Torrey Roller Bushing Works (Roller Bearing Bushings, Iron & Brass Castings)
*§Watson, Frye Co., Ltd. (Pulp Mill Castings, Plug Cock & Valves)

BETHEL—*Herrick Bros.

BIDDEFORD—*†§Saco-Lowell Shops (Cotton Machinery) (See Newton, Upper Falls, Mass.)

BOOTHBAY HARBOR—*Thurston H. T. Co.

BRIDGTON—*†§Bridgton Machine & Lumber Co.
*Halkett J. H. (Machinist)

BRUNSWICK—*Brunswick Mfg. Co. (Ferrules, etc.)

BUCHFIELD—*Damon Arlington (Machinist)

CALAIS—*Elliott Machine Co.

CAMDEN—*†Camden Anchor-Rockland Machine Co. (Anchors & Gasoline Engines)
*†§Knowlton Bros. (Brass & Iron Fdrs. & Machinists)

CHERRYFIELD—†*Wakefield E. C.

DEXTER—*†§Fay & Scott (Machine Tools & Iron & Brass Fdrs.)

EAST BOOTHBAY—§†Rice Frank L. Motor Co. (Motors, etc.)

EAST WATERFORD—*Haskell J. B.

ELLSWORTH—*†§Ellsworth Fdry. & Machine Works

GARDINER—*†§Hodgkins J. F. Co. (Journal Bearings, Brasses, etc.)

HALLOWELL—*†§Fuller's Geo. Sons (Brass & Iron Castings, etc.)
*North Wayne Tool Co. (Scythes, Axes & Tools, etc.)

HARRISON—*†Ricker T. H. & Sons Co. (Wood Working Mchnry.)

HOLLIS CENTER—*Colclough C. A. (Machinist)

HOULTON—*Cates H. M. & Son
*†Houlton Fdry. & Machine Co (Fdrs. & Machinists)

LEWISTON—*Harvey Geo. E.

LIVERMORE FALLS—*Allen Albert (Machinist)
*†§Record Fdry. & Machine Co.

MECHANIC FALLS—*†§Penney J. W. & Sons Co. (Steam Engines & Iron & Brass Fdrs., etc.)

MILFORD—†§*Ward N. H.

MILLINOCKET—†§Millinocket Foundry & Machine Co.

NORTH BERWICK—†§Hussey Plow Co. (Agrl. Implts., etc.)

NORWAY—*Murdock Francis W.

OAKLAND—*Bates A. B. Co
*Dunn Edge Tool Co. (Axes, etc.)
*Emerson & Stevens Mfg. Co. (Axes, Scythes, etc.)
*King John (Axes, etc.)

OLD TOWN—*†§Chapman's T. M. Sons Co. (Wood Working Mach'y, etc.)

ORONO—*Mansfield E. Corp. (Cantdogs, etc.)

PORTLAND—*Adde & Co. (Lumber Measuring Meters & Hand Tally Registers), 59 Kennebec
*†§Babbitt Chas. E. (Brass & Iron Fdrs. & Machinists), 440 Fore
*Conant R. O. Co. (Canning Machy, etc), 9th & Union
§Knight Bros. (Brass Fdrs., etc), 304 Fore
*§Laughlin Thos. Co., 135 Fore
See adv index at end of book
*Maine Electric Co. (Dynamos, Motors, Engines, etc), 35 Concord
§Megquier & Jones Co. (Bldrs. Iron Work), 31 Pearl
*Orr & Jennings (Machsts. & Castings), 311 Fore
*†§Portland Co. (Steam Engines, Paper & Pulp Mill Machy., etc.)
†Portland Stove Foundry Co. (Stoves, etc.)
*Smith & Langmaid, 5 Central Whf.
*Southworth Machine Co. (Printers' & Bookbinders' Machinery), Warren av

ROCKLAND—*Livingston Mfg. Co. (Stone Working Tools)
*Shuman I. J.

RUMFORD — *†§Clark Foundry Co. (Punches & Shears, etc.)

SOUTH PARIS—†Penley Gilman H.

SOUTH PORTLAND—Marine Hardware Equipment Co.

SOUTH UNION—†Ripley C. S.

WATERVILLE—*Lombard Traction Engine Co.
†Noyes Stove Co. (Stoves)
*†§Waterville Iron Works (Pulp Wood Machinery)

WESTBROOK—*†Foster-Brown Co.
†Jordan Rufus K. (Iron Fdry.)
*Knowlton Machine Co.

MARYLAND.

BALTIMORE—Adt John B. Co. (Tobacco Machinery, etc.), 340 N Holliday
*American Compressor & Pump Co. (Air Compressors, Vacuum Presses, etc.) 801 E Pratt
*Anderson G. A. Mfg. Co., Bush & Russell
†Armstrong Stove & Mfg. Co., 30 Light
§Baltimore Brass & Plating Works, 805 E Fayet
*†§Baltimore Gas Appliance & Mfg. Co. (Gas Ranges, etc.) Bayard & Hamburg
Baltimore Malleable Iron & Steel Castings Co., S Charles & Wells
*†Baltimore & Ohio R. R. Co. Baltimore & Charles
*†Bartlett, Hayward Co., (Gas Works Machinery Iron Founders, etc.), Scott & McHenry
*†Bates Elevator Co. (Elevator Bldrs., Castings, etc.), 211 Preston
*†Bibb B. C. Stove Co. (Stoves, etc.) 109 Light
Black & Decker Mfg. Co. (Contract Mfg. Special Machy.), Towson Heights, E Penn av
*Brown F. S. & G. L. Machine Co. (Presses, Dies & Sheet Metal Tools), 20 E Fort av
*Burt Machine Co. (Canning Machinery), 403 E. Oliver
*Cahill W. S. Co. (Ship Builders, Engines, etc.), Key Highway & Webster
*Calvert Machine Co., 1606 Thames
†Carr Stuart R. & Co. (Iron Founders), Boston & Montford av.
*Cassard Hamilton (Broom Machinery), Holliday & Pleasant
*Chesapeake Iron Works (Builders' Iron Work, 3903 Westport
*Chesapeake Machine Co., 3903 Eastern av
*Chesapeake Marine Railway Co., Philpot cor. Point
*Coale Muffler & Safety Valve Co., 325 E Oliver
*Codd E. J. Co. (Boilers, Engines, Tanks, etc.), 700 S Caroline
*Crook H. E. Co., Inc., 28 Light
*§Crown Cork & Seal Co., 1511 Guilford av.
*†De Ved & Sons Sash Weight Co. (Builders' Castings), 807 S Howard
*Dietrich Bros. (Jail Guards, Bridge Rods, Plates, etc.), cor Pleasant & Davis
*§Diez & Roemer Brass Co., 212 Fallsway
*Dix Mfg. Co. (Door Hangers), Eager & Fallsway
*Dixie Mfg. Co. (Dust Collectors, Exhaust Fans, etc.), Russel & B. O. R. R.
*Dorman J. F. W. Co. (Rubber Stamp Machinery) 526 N. Calvert
§*Eichman J. S. Mfg. Co.
*Eisenbrandt F. B. (Gas Engines) foot of Light
*Ellicott Machine Corp. (Dredging Machinery, Grey Iron Castings, etc), 1111 Bush
See adv index at end of book
*Fadum Fred'k & Son (Machinist), 408 W Redwood
*†Flynn & Emrich Co., 305 N Holliday
†Foster Bros. Mfg. Co. (Iron Beds, etc.), 320 N Holliday
*§Gibson & Kirk Co. (Brass Fdrs., etc.), 217 Key Highway
*Harms Bros. (Gas Engines), 1730 Thames
*Hollingsworth Wm. (Gas Engines, etc.), 229 N Holliday
*Hutcheson Wm. (Brass Finisher & Machinist), 212 N Holliday
†Hutchinson Bros. (Stoves, Furnaces, etc.), 5 S Howard
*Ives Mfg. Co., 203 Hanover
†Jones Hollow Ware Co., 1012 Ashland av
*Jones Jno. T. Sons (Canning Machinery, etc.), 734 E Lombard
*Kemp C. M. Mfg. Co. (Gas Machines, Cellar Drainers, etc.), 405 E Oliver
†Kennedy Foundry Co. (Grey Iron & Castings), S Charles & Wells
*Kries Henry A. & Sons Co., 8 W Lombard
†Lacy Jas. J. Co. (Propeller Wheels, Grey Iron Castings, etc.), Block & Wills
*Lazenby F. A. & Co., 414 Key Highway
*†Levering Mfg. Co. (Sash Weights, Grey Iron Castings, etc.), 210 Key Highway
*§Liberty Brass Works (Brass Castings, etc.), 305 W Lombard
§Limerick J. A. Co., 960 N Howard
*McClenahan H. J. & Co. 617 Water
*§McShane Bell Foundry Co. (Bell Founders, etc.), Harford av & B. & O. R. R.
*MacRae Hector C. (Electrical Storage Batteries, etc.), 316 St. Paul
§Maryland Brass & Metal Works (Brass & Bronze Castings, etc.), Calvert & Federal
§*Maryland Car Wheel Wks, Curtice Bay
*Maryland Metal Cross Tie Co., 901 Munsey bldg
†Meiser H. & Son (Iron Fdrs., Bldrs. Iron Work, etc.), 204 Clay
*Mitchell Jno. R. Co. (Pineapple Mach'y, etc.), 702 S Washington
*Monarch Engineering & Mfg. Co., American bldg.
*Monitor Controller Co. (Electric Motor Controllers, etc.), 514 E Lombard
*Moore Machinery Co. (Special Machinery, etc.), 213 Guilford
*Murrill & Keizer (Light Machy., Pattern & Model Work, Special Machy., etc.), 206 N Holliday
*Myer-Moran Co. (Special Machinery), 522-24 East
See adv index at end of book
*Obrecht Chas. F. Co., 8 E Perry
Oldham Geo. & Son Co., 200H Scott
*Page Engineering Co. (Marine Gas Engines), Clagett & Hull
*Phelps Walter J. (Canners' Machinery), ft. of Lawrence
*†§Poole E. H. & Co., 1513 Orleans
*†§POOLE ENGINEERING & MACHINE CO. (Power Transmitting, Rolling Mill Machy., etc.), Woodberry
See adv index at end of book
*Renneburg Edw. & Sons Co. (Canning House Machinery, etc.), 2039 Boston
*§Richardson Edro Brass Co. (Brass Fdrs. & Finishers), 318 N Holliday
*Robins A. K. & Co. (Stove & Canning Machinery), 116 Market place
*†Sackett A. J. (Fertilizer Machy., etc.), cor 4th av & 1st
Sexton S. B. Stove & Mfg. Co. (Stoves, etc.), 500 W Conway
*†Sheppard Isaac A. & Co. ("Paragon," "Excelsior" Furnaces, Stoves & Ranges), 500H S Chester
*Slaysman & Co. (Can Makers' Machy.), 801 E Pratt
*Spedden Ship Bldg. Co. (Ship Builders), Boston & Kenwood
*Starr B. F. Co. (Grinding Mills, etc.), 445 Guilford av
*Stebbins Wallace & Sons, 100 S Charles
*Stevenson & Co. (Can Makers' Machy.), 607 S. Caroline
*†§Union Mining Co., Fidelity bldg
*Universal Machine Co. (Special Machy. & Telegraphic Typewriters), 501 E Preston
*§Walther Geo. W. & Co., 712 N Howard
Warsaw Elevator Co., 111 Mercer
See adv index at end of book
*†§Weiskittel A. & Son Co. (Stoves, Ranges, Porcelain Enameled Bath Tubs, Iron & Brass Founders), 12th & E Lombard
*White Chas. Gas Engine Co. (Gas Engines), Scott & McHenry
*Zastrow Geo. W. (Pineapple Machinery, etc.), 1410 Thames
Zies Chas. & Sons Co. (Butchers' Machinery, etc.), 320 S Fremont av.

CAMBRIDGE—*Shackelford Edgar.

CUMBERLAND—*†§McKaig Merwin
*†§Maryland Mould & Foundry Co. Grey Iron Castings)
*†Williams Foundry & Machine Works

EDNOR—*Bond Bros.

ELKTON—*McQuilkin Geo. (Machinist)
†Powers Jas. F. Fdry. Co. (Iron Fdry.)

FREDERICK—*Abbott J. H. & Son
*†American Foundry & Mfg. Co.
*†§Frederick Iron & Steel Co. (Elec. Ry. Line Materials, Grey Iron Castings, etc.)
Price Bros., Dept. H

GALENA—†Hyland Wm. A. Jr. (Wood Printing Machines)

GLENARM—*Hooper Francis X. Co.

HAGERSTOWN—*Foltz Mfg & Supply Co.
*†Hagerstown Foundry & Machine Co
§Hagerstown Metal & Refining Co.

HANCOCK — *†Hancock Fdry. Machine Works

MANCHESTER—*†Shower Wm. H.

PERRYVILLE—†Armstrong Stove & Mfg. Co. (Stoves, etc.)

POCOMOKE CITY—Pocomoke Foundry & Machine Wks.

PORT DEPOSIT—*†Bibb B. C. Stove Co. (See Baltimore, Md.)

SALISBURY—*Grier F. A. & Sons
*†§Grier R. D. & Sons Co.

SOUTH BALTIMORE—(See Baltimore)

SPARROWS POINT—*†§Maryland Steel Co.

WESTERN PORT—†White Bros.

MASSACHUSETTS.

ABINGTON—*Lamson E. F.

ADAMS—†*Allen Fdy.

AMESBURY—*§Amesbury Brass & Foundry Co. (Brass, Manganese Bronze, etc., Castings)

*§Baker Foundry & Machine Co.
§Murphy G. W. J. Co.
*Pettingell Machine Co.
ARLINGTON HEIGHTS—*Arlington Machine Works (Textile machinery)
ASHBURNHAM—*Almond T. R. Mfg. Co. (Drill Chucks, Countershafts, etc.)
ASHLAND—*Lombard Governor Co. (Water Wheel Governors, etc.)
*Rav Bros. (Printing Presses)
ASSONET—*Davis-Warner Arms Corp.
ATHOL—*Athol Mach. & Foundry Co. (Fine Tools, etc.)
*§Athol Pump Co. (Pumps & Brass Castings)
*Gerry Geo. & Son (Textile Machy.)
Starrett L. S. Co. (Machinists' Fine Tools, etc.)
*Union Twist Drill Co. (Gear & Milling Cutters, etc.)
ATTLEBORO—*Clegg Mfg. & Tool Co. (Special Machinery)
§Owren Casting Co.
AYER—*Chandler Machine Co.
Dress Plaiting Machinery & Jobbing
Murphy's Robert Sons Co.
BARRE—*†Allen Chas. G. Co. (Drill Presses, Self-Opening Dies, etc.)
BEVERLY—*Naumkeag Buffing Machine Co. (Buffing Machines, etc)
*Reid Bros. Co. (Surface Grinders & Gauges)
*Smith Ira A.
*†United Shoe Machinery Co. (See Boston)
BOSTON—*Accesso Mfg. Co., 99H State
*American Motor Equipment Co. (Gasoline Engines) 181 Mass. av.
*American Pipe Bending Machine Co., 39 Pearl
*American Shade Machine Co., 80 Federal
*§American Soda Fountain Co., 282 Congress
*†§American Tool & Machine Co. (Centrifugals, Hydro-Extractors, Brass Finishers' Lathes, Waste Washing Machines, etc.), 10 High
*Ames Shovel & Tool Co., Ames Bldg.
*§Anderson Albert & J. M. Mfg. Co. (Elec. Ry. Light & Power Machinery & Brass Fdrs., etc.), 289 A
*Angell Elevator Lock Co. (Elevator Safety Locks), 370 Atlantic av
*Armstrong F. A. W & Co., 358 Atlantic av
*Atlantic Works (Ship Engine Builders), 80 Border, E B
*Automatic Box Machinery Concern, 270 Congress
*Babcock-Davis Corp., 474 Dorchester av
*Babson Dow Mfg. Co., 60 Fulda
*Baker A. F. Machine, 135 Oliver
*§Barrett Jas. Mfg. Co. (Plumbers' Iron & Brass Specialties, 117 Pearl
*Bassill Louis Co. (Brass Finishers), 245 Cambridge
Beach Mfg. Co. (Screw Machine Products), Little bldg
Beaudry & Co. Inc. (Power Hammers, etc), 1840 Parkway
*†§Bent G. W. Co., 112 Canal (Bedsteads)
*Berger C. L. & Sons, 45 William
*Bertelsen & Petersen Engineering Co. (Ship Machinists), 256 Border
*Boston Auto Gage Co., 8 Waltham
*§Boston Brass Andiron Co. (Brass Fdrs. & Finishers), 83 Havenhill
*Boston Bridge Works (Traveling Structural Steel Work, etc.), 47 Winter
*§Boston Coupling Co. (Machinists & Brass Finishers), 297 Congress
*Boston Nickel Plating Co. (Brass Finishers), 160 Portland
*Boston Scale & Mach. Co. (Angle Plates), 100 Ruggles
Boston Tool & Mfg. Co., Inc. (Die Filing Machines, Special Machinery), 262 Dover
*Brackett Shaw & Lunt Co. (Engines), 1 Washington
*†Bradlee & Chatman Co. (Heaters), 53 State
*Bradley Pulverizer Co., 92 State
*Buff & Buff Mfg. Co., 98 Green, Jamaica Plain
*Burke P. F. (Toe Calks, etc.), Damrell S., 1158 Adams, Dorchester
*Burn-Boston Battery & Mfg. Wks. (Machine Shop for own use), 80 Boylston
*Buzzell J. G. & Co. (Boot and Shoe Machinery), 200 Congress
*Cahill Michl. F. ("Cahill" Brass Ferrules, etc.), 710 E 2nd
See adv index at end of book
*Campbell-Bosworth Machine Co. (Harness Machinery), 205 Lincoln
*Carpenter & Paterson, 16 India
Cavicchi Polishing Mach. Co. (Floor Surfacing Machinery, etc), 62 Walnut, Dorchester
†Central Foundry Co., 105 Cummings
*Chandler Construction Co.
*§Charbourne-Walker Machine Screw Co., 100 Sudbury
§Clark D. W. & Co. (Brass Works & Aluminum Castings), 529 2nd
*Codman F. L. & J. C. Co. (Buff Wheels, etc.), 15 Elkins, S. B.
*Codman & Shurtleff, 535 Albany
*Coffin Valve Co. (Valves, Sluice Gates, etc.), Neponset
Colburn Gear & Mfg. Co. Inc. (Machine Parts), Woodworth, Dorchester
*Columbia Mills, 123 Kingston (See New York)
*Crittenden Mfg. Co. (Screw Machine Products), 33 Moreland
*§Crosby Steam Gage & Valve Co. (Steam Specialties), 40 Central
*Cross Paper Feeder Co., 185 Summer
*Cummings Machine Works (Shoe Machinery), 255 Atlantic av
§Dahlquist Mfg. Co. 40 W. 3d, S. B.
See adv index at end of book
*†Dalton-Ingersoll Mfg. Co. (Plumbers' Brass Goods), 24 Purchase
*Damon & Glenn (Die & Tool Makers), 189 High
*Davis I. B. & Son (Pump Mfrs.), 7 Pearl
*§d'Este Julian Co. (Steam Specialties, Brass Fdrs. & Finishers), 26 Canal
*Dodge H. C., Inc. (Turret Lathes), 46 Alger
Donnelly Mfg. Co. (Plumbing Specialties), 10 High
*Edison Mfg. Co. (Diaphragm & Force & Lift Pumps, etc.), 257 Atlantic av
*§Edmands Walter S., 27 Pearl
Edson Mfg. Corp. (Diaphragm & Force & Lift Pumps), 375H B'way
*Electric Blower Co. (Blower Mfrs., etc.), 352 Atlantic av
*Empire Laundry Machinery Co. (Laundry Machinery), 352 Western av
*Erikson L. Electric Co., 6 Portland
†Estabrook's R. Sons (Soil Pipe & Fittings & Castings, etc), 202 W 1st
*Eyelet Tool Co., 190 Dorchester av
*Farrington Mfg. Co., Bartlett sq, Jamaica Plain Sta (30)
*Finch J. H. Co. (Brass Finisher), 24 Beach
*Fitzhenry E. L. & Co. (Yacht & Launch Engines, etc), 46 Beverly
Gale-Sawyer Co.
*†§Gibby Foundry Co. (Grey Iron & Brass Castings), 96 Condor, E.
§Gilchrist Geo. E. Co. (Brass Fdrs. & Finishers), 234 Congress
*Gillette Safety Razor Co. (Safety Razors), 41 W. 1st
Globe Ear Phone Co., 88 Tremont
*Grant Gear Works (Gears & Pinions, etc.), Pearl & Purchase
See adv index at end of book
*Gray-Aldrich Co. (Gasoline Engines), 5 Commercial Wharf
Grundy J. E. & Co. (Brass Finishers), 82 Sudbury
Gurney Heater Mfg. Co. (Heaters, Radiators, etc.), 93-95 Oliver
†§*Gurney Heater Mfg. Co.
*§Hall Wm. Co., (Locks & Trolley Line Materials, etc.), Quincy
*§Hamlin & Emery Brass Co. (Brass Goods & Castings), 49 Island
*Harbor Machine Co. (Tools, Dies & Special Machinery), 183 High
†Harrison Square Fdry. Co.
*Hart. Thos. H. Co., 364 Atlantic av
*Hartford Bros. (Shoe Machinery), 463 Commercial
*Haskell-Dawes Machine Co., 176 Federal; Works: Phila., Pa.
*Hetherington John & Sons Ltd. (Cotton Machinery, 10 High
Rox
*Holmes & Blanchard Co. (Fertilizer Machinery), 928 Broadway
*Holtzer Cabot Electric Co. (Elec. Mach. & Specialties), 125 Amory
*†Howes S. M. Co. (Stoves, etc.), 42 Union
*Howes Forest E. (Jobbing), 263 Northampton
*Huff Electrostatic Separator Co. (Ore Separators) 60 India
§Hungerford U. T. Brass & Copper Co. of Boston, 95 Broad
*Hunt-Spiller Mfg. Corp. (Air Furnace Locomotive Castings), 383 Dorchester av
*Jarvis Engng. Co. (Garbage Disposal Plants, Refrigerating Mchy. etc.), 51 Ellery
*Jones Mfg. Co. (Water Filters), 243 Franklin
King Construction Co., 131 State
*Kinney Mfg. Co. (Power Pumps, etc), 3541 Washington
*Knapp, Gardner & Co., 62 Sudbury
*Knight & Thomas, 212 Summer
†Krasser, F. & Co. (Iron Fdrs.), 31 George Rox
*†Laconia Car Co. (Electric Cars & Trucks & Malleable & Grey Iron Castings), 60 Congress. Works: Laconia, N. H.
*Lang J. A. & Sons (Dies, Tools & Light Machy.), 280 Dover
†Lincoln Geo. H. Co. (Iron Fdrs.), 191 Old Colony av, S. B.
*†Livermore Hower F., Inc. (Steel & Malleable Castings), 85 Pearl
*Lockett Crimping Machine Co., 77 Summer
*Long J. H. Machine Co., 394 Atlantic
*Ludlow Valve Mfg. Co., 112 Water
*Lufkin John W. & R. H. (Vamp Folding Machy.), 38 Chardon
†Lumdin Steel Casting Co.
*†§Lumsden & Van Stone Co. (Heating Specialties, etc.), 1 Dorchester
*Lundin Electric & Machine Co. (Electrical Specialties), 10 Thatcher
*Lunt-Moss Co. (Gasoline Engines, etc.), 43 So. Market
§McCafferty J. H. Co. (Brass & Bronze Founders, etc), 434 Harrison av
*McCulloch Mfg. Co. (Tools, Dies & Special Machy.), 200 Old Colony av
*†McKie Shipbuilding Co., 333 Border E N
*McLaughlin Geo. G. Mfg. Co., 24 Washington N
McLauthlin Geo. T. Co. (Machinery Builders), 120 Fulton
*§Macallen Co. (Electric Specialties & Brass Fdrs.), 16 Macallen South
*†Magee Furnace Co. (Heating & Cooking Apparatus), 38 Union
*§Manning, Maxwell & Moore, Inc. (Injectors & Ejectors), 25 Watson
See adv index at end of book
*Marshall Son & Co. (Book Binders & Paper Box Machy.), 226 Purchase
*Marston J. M. & Co. (Saws, Wood Working Machinery, etc.), 226 Ruggles
§*Mason Regulator Co. (Regulators, etc.), 1192 Adams
Massachusetts Machine Shop, Inc. (Metal Washers), 817 Albany
See adv index at end of book
*Maynard Mfg. Co. (Plumbers' Specialties), 127 Purchase
*†Mead-Morrison Mfg. Co. (Hoisting & Conveying Machinery), cor. Prescott & Orleans E R.
†Mechanics Iron Fdry. Co. (Grate Bars, etc.), 38 Kemble, Rox
*Meisel Press Mfg. Co. (Printing Presses & Slitting & Winding Machinery, Contract & Special), 942 Dorchester av.
*Merrill Wm. B. & Co. (Metallic Packing), 3368H Washington, Jamaica Plains
§*Merriman Bros.
*Metcalf J. C. Machinery Co. (Paper Box Machy.), 102 Pearl
Moback Tool & Machine Mfg. Co. (Vises & Milling Machine Cutters), 330 Atlantic av
*Moore Geo. W. (Screw Machine Products, etc.), 44 Farnsworth
*Moore J. W. Machine Co., Spring & Second Everett
*Moore & Wyman Elevator & Machine Works, 72 Granite, S B
†Morandi-Proctor Co. (Cooking Apparatus), 86 Washington
§Morse A. J. & Son, Inc. (Fire Dept. Supplies & Brass Finishers), 221 High
*Murray & Tregurtha Co. (Marine Engines, Joints, etc), 340 W 1st
*National Machine & Tool Co. (Machy, Jigs, Tools, Dies, etc), 253 A
*National Packaging Machinery Co., 172 Green, Jamaica Plain
*National Separator & Mach. Co., 739 Boyleston
*New England Annealing & Tool Co., 74 K, S B
*Nicholas & Stephenson (Machinists), 208 Summer
*Norton A. O., Inc. (Ratchet Screw & Track Jacks), 440 Brookline av
*Peerless Machinery Co. (Shoe Machinery), 44 Binford, S B
*Peerless Motorcar Co. (Motorcycles), 660 Beacon
*Poland Laundry Machinery Co., 47 Kemble
*Postindex Co., 373 B'way
*Puritan Mfg. Co. (Harness Machinery), 210 South
*R. & S. Machine Co. (General Machinists), 24 L (South Boston)
*Reece Buttonhole Machine Co., 502 Harrison av
*Reece Folding Machine Co., 502 Harrison av
*Renim Specialty Co. (Electrical Specialties), Brighton
*Ridlon, Frank Co. (Electrical Appliances), 251 A
*Rivett Lathe & Grinder Co., 2 Brooks, Brighton
Roberts Mfg. Co. (Bolt & Wire Chippers), Somerville Sta.
§Rogers C. E. (Brass & Bronze Founders), 64H Plympton
*†§Saco-Lowell Shops (Textile Machinery Works), 77 Franklin
*Seelye Mfg. Co. (Shoe Machinery), 49 High
*Shawmut Machinery Co. (Shoe Mach'y), 82 Lincoln
*Shipman Machine Co., 218 Summer
†Smith & Anthony Co. (Stoves Works), 52 Union. Works: Wakefield, Mass.
*†Smith & Lovett Co. (Builders' Castings & Machine Work), 135 Tyler
§Snow W. A. Iron Works, Inc. (Architectural), 32 Portland
*Souther John & Co. (Dredging, Machines, etc.), 101 Tremont
*Special Tool & Machine Co. (Special Machinery Parts, Tools, etc.), 410H Dorchester av
*§Standard Rivet Co. (Rivet & Staple Setting Machines, etc), 41 Lincoln
*§Star Brass Mfg. Co. (Steam Specialties & Brass Fdrs.), 53 Oliver
§Star Refining Co. (Brass Fdrs., Babbitt Metal, etc.), 116 W. First

(Continued on following page)

Machinists & Founders—Continued

MASSACHUSETTS—BOSTON—Continued
*Strater Herman & Sons (Brass Fdrs. & Finishers, Bar Fixtures, etc), 74 Sudbury
*Sturtevant Mill Co. (Crushing & Pulverizing Machy.), Dorchester
§Swett & Sibley Co., 46 Cornhill
*Tauck F. N. Mfg. Co., 370 Atlantic av
*Terkelsen & Weinberg, 328 A
*Thoner & Martens, 463 Commercial
*Tolman Mfg. Co., 19 W Third
*Trimont Mfg. Co. (Wrenches & Pipe Cutters), 55 Amory
*Trimount Rotary Power Co. (Pump Manufacturers), 286 Whiting av
*Tufts Nathaniel Meter Co. (Gas Meters), 455 Commercial
*Union Button Sewing Co., 394 Atlantic av
*Union Lock Stitch Co. (Sewing Machines), E. Boston
*United Hammer Co. (Power Hammers, etc.), 45 Bromfield
*United Mattress Machinery Co., 19 Milk
*United Printing Machinery Co. (Printing & Litho. Machy., etc.), 87 Broad
*†United Shoe Machinery Co. (Shoe Machinery), 205 Lincoln
*United States Automatic Box Machy. Co., 172 Green, Jamaica Plain
*Universal Winding Co. ("Leesona" Textile Machinery), 95 South
*†Walker & Pratt Mfg. Co. (Stoves, Radiators, etc), 31 Union
*†§Walworth Mfg. Co. (Pipe Cutting & Threading Machines, Stocks & Dies, & Iron & Brass Fdrs., etc), 82 Pearl
†Waters Governor Co., 141 Milk
Webb F. W. Mfg. Co., 56 Elm
*Welch T. F. Co. (Gears & Specialties), 55 Sudbury
*West & Dodge Co. (Special Tools & Thread Gauges), 37H Parkman, Brighton District
*Whitney F. E., 65 Sudbury
*†Whittier Machine Co. (Elevators, Iron Fdrs., etc.), 34 India
†*Wollaston Fdy. Co.
*Woods S. A. Machine Co (Woodworking Machy., etc), 27 Damrell

BRAINTREE—*Dow Mfg. Co. (Spark Plugs., etc.)

BRIDGEWATER—*Continental Gin Co. (Cotton Gins, etc.)
*†§Perkins Henry Co. (Iron Fdrs. & Wire Nail Machy.)
*†§Stanley Works. (See New Britain, Conn.)

BROCKTON—*Bostock Thos. & Sons (Machinists)
*Brockton Die Co.
*Dennelly Machine Co.
*Independent Die Co.
*Kimball Bros. & Sprague (Nail Mill & Tack Machy, etc.)
*Knight Geo. & Co. (Machinists)
†Le Baron E. L. Foundry Co.
*Miller O. A. Treeing Machine Co.
†New England Fdry & Machine Co.
*Scott Geo. V. (Machinists)
*Snell & Atherton
*Tuck Mfg. Co. (Shoe Knives, etc)
*†United Shoe Machinery Co. (Shoe Machy.). (See Boston, Mass.)

BROOKLINE—*Ritchie E. S. & Sons (Current Meters)

BRYANTVILLE—*Marine Compass Co.

CAMBRIDGE—*§Ashton Valve Co. (Steam & Water Specialties & Brass Founders), 161 1st
†Barbour Stockwell Co. (Street Railway Specialties & Castings)
*Blanchard Machine Co. (Machine Tools)
*Boston Bridge Works (See Boston)
*Boston Machine Screw Co., 17 Tudor
*§Boston Woven Hose & Rubber Co. (Hose Couplings, Nozzles, etc.)
†Broadway Iron Foundry Co. (Iron Fdrs.)
*Cambridge Brass Co. (Electric & Gas Light Fixtures), 815 Somerville
*†Cambridge Iron Works (Castings, etc.)
*Carpenter L. A. Press Metal Co.
Carroll A. P. Machine Co., 92 B'way
*Clark & Mills Elec. Co. (Electric Specialties)
*Elliott Co. (Addressing Machines), 143 Albany
*Davis F. H. (Paper Mill Machinery) (See Boston, Mass.)
*§Dyer Co. (Welding & Cutting Apparatus, etc.), 155 Brookline
*§Essex Brass Foundry Co.
*Excel Mfg. Co., 7 Sherman
*Field Walter W. & Son (Hoisting Engines, etc.)
*General Radio Co. (Wireless Telegraph Apparatus), 11 Windsor
*Holmes Chas. Leather Working Machinery Co.
*†Roberts Iron Works Co. (Fdrs., etc.)
*Simplex Electric Heating Co.
*†§Worthington Pump & Machinery Corp. (Blake & Knowles Works)

CAMPELLO—†Grant Bros.
†N. E. Fdy. & Machy. Co.

CANTON—*Samson Electric Co. (Electrical Goods, etc.)

CHARLESTOWN—Eclipse Machine Tool Co., 7 Sherman

CHELSEA—*Connolly Steel Casting Co. (Steel Castings)
*†Dighton Furnace Co. (Stoves), 260 Congress av
*†Griffin Wheel Co. (Car Wheels) (See Chicago, Ill.)
*†Lovewell-Henrici Co. (Laundry Machy.)
*†Magee Furnace Co. (See Boston, Mass.)
†Market Forge Co.
†Smith A. L. Iron Works (Ornamental Iron Work, etc.)
*†Snow W. A. Iron Works (Stable Fixtures & Ornamental Iron Works, etc.)
*§Union Metal Works

CHICOPEE—§Ames Sword Co.
*†§Spalding A. G. & Bros. Mfg. Co.

CHICOPEE FALLS—*†Belcher & Taylor Agricultural Tool Co. (Agri. Implements & Tools)
*†Lamb Knitting Machine Co. (Textile Machy.)
*National Scale Corp. (Counting Machines & Shelving, etc.), 11 Hendricks
*Stevens J. Arms Co. (Fire Arms & Accessories)

CLINTON—*†§Clinton Foundry Co. (Machinists' Iron & Brass Castings for Builders & Machinery)
*Gibbs Loom Harness & Reed Co. (Textile Machinery)

CONCORD—*Hancock W. C.

CONWAY—*Conant & Donelson Co. (Screw Cutting Tools, etc.)
§Buckley J. N.

DALTON—*Jordan G. J. (Machinists)

DANVERS—*Nightingale J. E.

EAST BRIDGEWATER—*†Carver Cotton Gin Co. (Cotton Gins, etc.)

EAST BRIMFIELD—*Snell Mfg. Co. (Ship Augers, etc.) See Fiskdale

EAST PEPPERELL—*Blake H. & Son (Machinists)

EASTHAMPTON — †Easthampton Fdy. Co.

EASTON—†Belcher Malleable Iron Co. Malleable Iron & Steel Castings)

EAST TEMPLETON—Bay State Metal Wheel Co.

EVERETT—*Bent G. W. Co. (Iron & Brass Bedsteads)
*Blount J. G. Co. (Machine Tools)
§Downs B. J.
*Duncan J. Co., 39 Parlin Co.
*†National Metallic Bed Co.
*New England Gas & Coke Co. (See Boston)
*†New England Structural Co. (Bldrs.' Iron & Steel Work)
*Porter H. K. (Bolt Clippers, etc.), 6 Ashland

FAIRHAVEN—*†Fairhaven Iron Foundry Co.

FALL RIVER—*Bates Geo. A. & Son
*Coldwell Gildard Co. (Cotton Machinery)
*†Cote Piano Mfg. Co.
*Covel Machine Co. (Machinsits)
*†§Fall River Fdry. & Machine Co. (Iron & Brass Castings & Cotton Machy.)
*Fall River Steam & Gas Pipe Co. (Machinists, etc.)
*Fyans, Fraser & Blackway Co.
*Kay H. E. (Est. of) (Lathes, Chucks)
*†§Kilburn, Lincoln Machine Co. (Textile Machinery, Looms & Water Wheels, etc.)
*†§Mechanics' Foundry & Machine Co. (Iron & Brass Fdrs. & Machinists)
*Thurston A. G. & Son (Machinists)

FISKDALE—*Snell Mfg. Co. (Augurs, Bits, Countersinks, Nails, etc.)

FITCHBURG—*Blake Pump & Condenser Co. (Steam Pumps & Condensers)
*Brown Bag Filling Machine Co. (Paper Bag & Envelope Machines, etc.)
*Deane Machine Co. (Special Machy., etc)
*Fitchburg Grinding Machine Co. (Grinding Machine)
*Fitchburg Machine Works (Turning Lathes)
*Fitchburg Steam Engine Co. (Engines, etc.)
*†Goodnow L. H. (Engine or Machine Castings, etc.)
*§Hardy Wm. A. & Sons Co. (Brass & Bronze Castings, Screen & Suction Plates, etc.)
*†Johnson's Iver Arms & Cycle Works (Fire Arms, Bicycles, etc.)
†Perault Moses J. (Iron Castings, Fly Wheels, Pulleys, etc.)
*Simonds File Co. (Files, etc.)
Simonds Saw & Steel Co. (Saw Machine Knives), 470 Main
Springfield Automatic Screw Machine Corp., Dept. H.
*†Union Foundry Co.
*†Union Machine Co. (Paper & Pulp Mill Machinery & Iron Fdrs.)
Union Screen & Plate Co. (Brass Fdrs., Screen & Suction Plates, etc.)
Universal Grinding Machine Co.
*Waymoth A. D. & Co. (Variety Wood-Turning Lathe)
§Welch E. J. & Co. (Brass Fdrs.)

FLORENCE—†Northampton Iron Works
*†Norwood Engineering Co. (Iron Fdrs. & Machinists, Fire Hydrants, Water Filters for Mills, etc.)

FRAMINGHAM—*†Ames Plow Co.
Framingham Fdries (Grey Iron Castings)
*International Engineering Works (Steam Boilers & Machinists)
*Manufacturing, Equipment & Engineering Co. (Steel Shop & Factory Equipment, etc.)

FRANKLIN—†§*Clark Wm. C.
*†§Golding Mfg. Co. (Printing Machinery)
*Murdock & Geb Co.

GARDNER—*Baldwin E. F.
*Bancroft & Barnhard (Chair Making Machinery)
†Central Oil & Gas Stove Co. (Oil Stoves & Heaters)
*†§Gardner General Foundry Co.
*Gardner Machine Works (Chair Machy., etc.)
†§Hoglund G. E. Foundry Co.
*†McKnight L. G. & Son Co. (Chair & Woodworking Machinery)
*Simplex Time Recorder Co. (Time Recorders)

GLOUCESTER—*Brown Bros. Co.
*†Cape Ann Anchor Works
*Lothrop L. D. & Son
*§Reed Geo. A. & Son (Iron & Brass Founders, etc.)
*Stoddart Adam P. & Co. (Machinists)
*Success Mfg. Co. (Refrigerators)

GRANITEVILLE—*†Sargent's C. G. Sons Corp. (Wool Mchy., etc.)

GREAT BARRINGTON—†Stevens G. A.

GREENFIELD — *Bickford-Switzer Co. (Drill Grinders & Counterbores), 50H Norwood
*Bicknell-Thomas Co. (Tap Chucks, Tapping Attachments & Machines)
*Goodell Mfg. Co. (Machinists' Small Tools, etc.)
*†Goodell-Pratt Co. (Drills, Hack Saws, etc.)
Greenfield Tap & Die Corp. ("G. T. D." Tap, Die Gages, Machinists' Fine Tools)
*Nichols W. E. Sons & Co. (Knives, Cleavers & Steels), 52 Mill
*†Noyes B. B. Co. (Vises, etc.)
*†Production Machine Co.
*Russell Mfg. Co. (Stocks, Taps, Dies, etc.)
*§Wing's Sons Chauncy (Pattern Works, etc.)

HARVARD—*Hildreth Bros. (Kindling Wood Machy., etc.)

HATFIELD — *Porter Machine Works (Lathes, etc.)

HAVERHILL—*Busfield Machine Co.
*Hame Shoe Machinery Co. (See Lynn)
*Hammond Machine Co. (Wood Heel Machinery)
Monfils & Murphy Machine Co.

HAYDENVILLE — *†§Haydenville Co. (Brass & Iron Goods, for Water, Steam & Gas)
Progressive Iron Fdry. & Mach. Co.

HOLBROOK—*C. A. C. Axe Co. (Edge Tools, etc.)

HOLLISTON—*Wilder Sidney & Co. (Pumps, etc.)

HOLYOKE—§Barlow Co. (Brass Castings & Metal Works)
§Church C. F. Mfg. Co. (Plumbers' Supplies)
*Coburn Trolley Track Mfg. Co., P. O. Box 127
†*Deane Steam Pump Co.
§Higgins & Co. (Composition, Brass, Aluminum, Aluminum Bronze, Phosphor Bronze, Castings, etc.)
*Holyoke Bar Co. (Machine Knives, etc.)
*†Holyoke Machine Co. (Paper & Pulp Mill, Cotton Mill, Power Transmitting & Wood Barking Machinery)
*†Jolly J. & W. (Paper & Pulp Mill Machinery, etc.)
*Judson & Williams (Screen Plates, etc.)
*Koegel Chas. & Sons (Wire Spooling Machines, etc.)
†*McHugh Fdry. Co.
*†Perkins B. F. & Son (Paper & Pulp Mill Machy.)
*†§Worthington Pump & Machinery Corp. (Deane Works)

HOPEDALE—*†§Draper Corp. (Textile Machinery, Looms, etc.)

HUDSON—*Lapointe Machine Tool Co. (Keyseat Broaching Machines, Toolmakers, etc.)
*Tower Bros. (Machinists)
*Universal Boring Machine Co. (Boring Machines)
*Woodward Machine Co. (Woodworking Machinery)

HYDE PARK—*†§American Tool & Machine Co. (See Boston)
§Dorchester Brass & Aluminum Fdry, Dept. H
*Robinson John T. Co. (Book Binder, Card Cutter & Paper Box Machy.)
*†§Sturtevant B. F. Co. ("Sturtevant" Blowers, Engines, Generating Sets, etc), 15 Damon
*Templeton Mfg. Co., Dept. H

INDIAN ORCHARD—*†§Chapman Valve Mfg. Co. (Valves, Hydrants, Water Works Supplies, etc.)
*Hough Cash Recorder Co.
*Metallic Drawing Roll Co. (Textile Machinery, etc.)
†Springfield Foundry Co.
LAWRENCE—†Davis Foundry Co. (Iron Fdrs.)
*Dillon Machine Co. (Paper Mill Machinery)
*Eagle Knife & Bar Co.
*Emerson Mfg. Co. (Paper & Pulp Mill Machy.)
§Fallon T. F. & Co.
*Gallison F. L.
*†Hamblet Machine Co. (Paper Mill Machinery)
†Hart Foundry Co. (Grey Iron Castings)
*†Horne J. H. & Sons Co. (Paper Mill Machinery, etc.)
*§Keeble Alex. K. (Machinists & Brass Finishers)
*Lawrence Machine Co. (Pumps, etc.), 42 Market S
See adv index at end of book
*Lawrence Pump & Engine Co. (Pumps, etc.)
*McCabe E. & Co., Dept. H
*Mills Machine Co. (Paper & Pulp Machinery)
*Smith Samuel Machine Co., 620 Essex
*Smith W. & Sons
*Speed & Stephenson (Textile Machinery)
*Sprague L. Co. (Bobbins, etc.)
*§Watts Regulator Co (Machinists & Brass Finishers)
LEE—*†§Clark H. C. & Son Machine Co. (Paper Mill Machinery, etc.)
LEEDS—*Cahill P. J.
LEOMINSTER—*Grimes & Harris (Button Machy.)
*Hudson Parer Co. (Hose Clamps, Menders, etc.)
*Smith A. A. (Machinist)
*Standard Tool Co. (Comb & Hair Pin Machy.), 300 Whitney
LEXINGTON — *§Jefferson Union Co. (Brass Fdrs., Flange Couplings, Pipe Unions, etc.)
LOWELL—*American Mason Safety Tread Co.
*Bagshaw W. H. Co. (Textile Machinery, etc)
*Bennett Bros. Co. (Windmills, Gasoline Engines, etc.)
*Cady Geo. L. & Sons (Machine Tools, Book Trimming Machines, etc.)
*Carey W. W. Co. (Woodworking Machy.)
†City Iron Foundry
*Dennis John Machine Co. (Textile Machy)
*†Dodge C. S. (Textile Machy., Pickers, etc.)
*Entwistle T. C. Co. (Textile Machy.)
*Gee Chas. E. (Woodworking Machy.)
§*Heinze Elec. Co.
*Hope Wm. H. Co.
*Knapp Arthur P.
*Knowles Scale Works (Scales & Weighing Machines)
*Lahue M. M. & Co.
Lamson Co., 196 Walker
*Lovejoy Daniel & Son (Machine Knives, etc.)
*Lowell Equipment Mfg. Co.
*Lowell Shuttle Co.
Mansfield Fdy. Co.
*Middlesex Machine Co. (Machinists)
†§Pevey Foundry Co. (Iron & Brass Fdrs., etc.)
†Robinson J. Iron Fndry.
†Robinson James P.
*†§Saco-Lowell Shops (Textile Machinery). Office: Boston
*Turner J. S. Mfg. Co. (Worsted Roll Covering Machines)
§Union Brass Fdry. Co. (Brass & Composition Castings)
*U. S. Bobbin & Shuttle Co.
*U. S. Cartridge Co.
*Upton & Gilman Machine Co.
*Wrigley Wm. & Co.
LYNN—*Boston Machine Works Co.
*Cannon T. J. & Sons Machine Co. (Special Machinery & Tools)
*Cilley W. W. & Co. (Shoe Stitchers)
Cunningham & Birdwood
§Dempsey John F. & Co.
*Dwyer Machine Co.
*Essex Engine Co.
*Essex Machine Co. (Machinists)
*Gallagher Mfg. Co. (Ratchets, Drills, etc.)
*†§**GENERAL ELECTRIC CO.** (Thomson-Houston Plant). (See Schenectady, N. Y.)
See adv index at end of book
*Hemingway Machine Co. (Leather Machinery)
*Holmes E. M. (Machinist)
*Quarmby & Hilliker (Shoe Machy, etc.)
†Smith Iron Foundry (Inc.) (All Kinds of Light and Heavy Castings)
*Stephenson Chas. H. (Bath Room Fixtures)
*Stewart Bros. (Shoe Machy.)
*Thomson Electric Welding Co. (Elec. Welding Machines), 161 Pleasant
*Wade Levi C., 645-652 Summer
*Young W. J. Machinery Co. (Shoe Machinery), 418 Union
MALDEN — *International Engineering Co., 42 Exchange
*Tilson Mfg. Co. (Butter Tub & Fasteners), 457H Medford
MANSFIELD—*Bay State Tap & Die Co. (Taps, Dies, etc.)
*Card S. W. Mfg. Co. (Dies, Taps, Reamers, etc.)
*†Chilson Furnace Co. (Stoves & Ranges)
Mansfield Fdy. Co. (Grey Iron Casting)
†Mansfield Furnace & Coal Co.
†Shields Foundry Co. (Iron Fdrs.)
MARLBORO—†Beaudry T. J. & Son (Rubber Cutting Dies, etc.)
*†Parsons Machinery Co. (Special Machinery, etc.)
MEDFORD—*Scott & Sons Co. (Chucks, etc.)
*Wellman Co.
MELROSE—§*Emerson Apparatus Co., (Calorimeters), 171 Trimont
§*Lane Bros.
MERRIMAC—*§Jonah & George (Brass Specialties)
*§Merrimac Plating Works
§*Murphy G. W. J.
METHUN—*§Sanborn Furnace Co. (Hot Air Furnaces, etc.)
MIDDLEBORO—*Perkins Lloyd
MILFORD—*Damon J. F. (Machinist)
*†Hopedale Mfg. Co. (Pumps, Motor Boat Propellers)
†Milford Iron Foundry (Iron Fdrs.)
MILLBURY—*Buck Chas. Edge Tool Co. (Edge Tools, etc.)
*Millbury Machine Co.
*†Millbury Steel Foundry Co. (Steel Castings, etc.)
MILLERS FALLS—*†Millers Falls Co. (Machinists' Fine Tools & Hardware Specialties, etc.)
NATICK—*Black Diamond Saw & Machine Works (Saw Sharpening Machinery)
*Brewer A. G. (Machinist)
NEW BEDFORD—†Acushnet Iron Co.
*Babbitt Steam Specialty Co.
Davis Z. B. Corp. (Builders' Finish)
§Foster Robt. W.
*Gunning Boiler & Machine Co.
§Morse Twist Drill & Machine Co. (Twist Drills, etc.)
†§New Bedford Boiler & Machine Co. (Valves & Machinists, etc.)
†*New Bedford Shuttle Co.
*Rankin & Arnold
*Tripp Frank S.
NEWBURYPORT — *†§Russell Albert & Sons Co. (Iron Fdrs. & Machinists)
†Victor Mfg. Co.
NEWTON CENTER — *Evans Friction Cone Co. (Pulleys, etc.)
*Gooch Arthur M.
NEWTON UPPER FALLS—Gamewell Fire Alarm Telegraph Co.
*†Saco-Lowell Shops (Textile Machinery), Office: 77 Franklin, Boston
NORFOLK DOWNS—*Boston Gear Works
See adv index at end of book
*Couch S. H. Co.
*Pneumatic Scale Corp. Ltd. (Automatic Weighing Machines)
†Wollaston Fdy. Co.
NORTH ADAMS—*Arnold Print Works
†§*Brooklyn St. Fdy. Co.
*†§Hunter Jas. Machine Co. (Power Transmitting & Textile Machy.)
NORTHAMPTON—*Herrick Chas. E. (Machinist)
*Siro Carburetor Mfg. Co.
*Starr Package Machinery Co.
NORTH ANDOVER—*†§Davis & Furber Machine Co. (Textile Machy.)
NORTH DIGHTON — †North Dighton Stove Co.
NORWOOD—†American Brake Shoe & Foundry Co.
*†Plimpton J. E. & Co.
ORANGE—*†Chase Turbine Mfg. Co. (Machinists, Millwrights & Fdrs.)
*†§Hunt Rodney Machine Co. (Textile Machinery, Pumps, etc.)
*Leavitt Machine Co., (Valve Re-Seating Machinery)
*†New Home Sewing Machine Co. (Sewing Machines)
OSTERVILLE—*§Leonard J. M.
OTTER RIVER—†*Lord, Stone & Co.
PALMER—†§*Palmer Fdy. & Mach. Co.
†Taylor W. B. & Co.
PEABODY—*Boyle John & Co. (Machinists)
†Marine Hdwe. Co.
*Newell & Knowlton (Inc.) (Grease Extractors, etc.)
*†Turner Tanning Machinery Co. (Hide & Leather Working Machinery)
PITTSFIELD—*†§Chapel A. M. Machine Co.
*†§**GENERAL ELECTRIC CO.** (See Schenectady, N. Y.)
See adv index at end of book
*†Jones E. D. & Sons Co. (Paper Mill & Power Transmitting Machy.)
PLYMOUTH—*Mixter J. W. Saw Tool Co. (Gummer Cutters)
*†Plymouth Foundry Co. (Gas & Oil Stoves, etc.)
*BOSTON GEAR WORKS (Gears: Bearings, Etc., for Own Product Only), Norfolk, Downs
See adv index at end of book
*Emery V. J. (Gasoline Engines)
*Kemp John F. & Co.
Murray & Tregurtha Co. (Marine Engines, etc.), H Hancock
†Norfolk Iron Co. (Ornamental Iron Works, etc.)
*Vulcan Tool Mfg. Co.
*†Wollaston Foundry Co. (See Boston, Mass.)
READVILLE—Crofoot Gear Co. Inc.
*†Stafford Co. (Textile Weaving Machinery, etc.)
ROCHDALE—*Hankey A. & Co. (Knives, etc.)
ROCKLAND—*Arnold H. H. Co.
SAGAMORE—*Keith Car & Mfg. Co. (Car Mfrs.)
SALEM—*Atwood & Morrell (Steam Specialties), 48 Loring av
*Brown-Talbot Machinery Co.
*Dane Machine Co. (Tanners' Machinery)
*Dinsmore Mfg. Co. (Textile Mach.)
†Eagle Iron Foundry (Inc.)
*†§Locke Regulator Co. (Steam Specialties)
*Merrow Machine Co.
Ruggles-Klingemann Mfg. Co.
§Salem Brass Foundry
*Salem Elevator Works (Elevators, etc)
*§Spencer Regulator Co. (Steam Specialties, etc.)
SALISBURY—*Weare Samuel W.
SHELBURNE FALLS—*Goodell Tool Co. (Small Tools, etc.)
*Mayhew H. H. Co. (Small Tools, etc.)
SOMERVILLE—*Birch Bros. (Textile Machinery)
*Forg Peter Mfg. Co. (Machinist & Machinery)
Jerguson Gauge & Valve Co., Mystic av & Fellsway
Roberts Mfg. Co. (Bolt & Wire Clippers, etc.)
†Somerville Iron Foundry Co. (Iron Fdrs., etc)
SO. BOSTON—*Bay State Pump Co. (Tire Pumps), 564 E 1st
*Up-To-Date Tool Co. (Special Machinery), 60 K
SOUTHBRIDGE—*American Optical Co.
SOUTH EASTON—*White F. H. & Co.
SOUTH SUDBURY—*†Hurlbut-Rogers Machinery Co. (Machine Tools, etc)
SPENCER—*Goddard John E. (Machinist)
SPRINGFIELD—*†Baush Machine Tool Co. (Machine Tools)
*Bay State Elevator Co., N Main
*†Bemis Car Truck Co. (Electric Car Trucks, etc), 369 Birnie av
*Bemis & Call Hardware & Tool Co. (Tools, etc), 983 S Main
*Blair Mfg. Co. (Lawn Mowers), 312 Birnie av
*Bullock Mfg. Associates (Watchmakers' Tools, etc.)
*†Davitt Iron Foundry, 191 Liberty
*Eldredge Elec. Mfg. Co. (Elec. Specialties)
†Elwell H. F. Iron Works, 284 Birnie av
§Emory P. P. Mfg. Co. (Brass Finishers & Founders, etc), 138 Spring
*†§Engelhard Frank & Sons, 200 Franklin
†Fleming Foundry Co., 164 Birnie av
*Gilbert & Barker Mfg. Co. (Furnaces)
§Hampden Brass Co. (Brass & Composition Castings)
*Hannan-Finton Co. (Machinists)
*Hendee Mfg. Co. (Motor Cycles)
§Hercules Float Works (Copper Floats, Expansion Joints, etc.), 200 Franklin
*Knox Motors Co. ("Knox" Tractors)
*Metal Saw & Machine Co. Inc. (Metal Cutting Machines, Saws etc.)
*National Equipment Co. (Confectioners' Machy.)
*†New England Roller Grate Co. (Grate Bars & Castings of all Descriptions)
*New England Tool & Machine Co. (Tools, Dies, Fixtures, etc.), 51 Taylor
*N E Westinghouse Co. (Fire Arms)
*Package Machinery Co. (Wrapping Machines)
*Russell John W. & Sons Co. (Button Machines & Special Machinery)
*Smith C. H. & Co. (Dandy Rolls)
*Springfield Iron Works (Machine & Drop Forgings, Elevators, Machine Work of all Kinds)
*Springfield Machine Co. (Machinists), 20 Cypress
§Stebbins E. Mfg. Co. (Brass Fdrs. & Finishers, Plumbers' Brass Goods), 16 Belvidere
†*Swaine John Iron Works Co., 30 Daytona
†Van Norman Machine Tool Co. (Machine Tools), 160 Wilbraham
*†Wason Mfg. Co. (R. R. Cars, etc.)
*Wico Electric Co., 132 Liberty
STONEHAM—*Patchett Tom
STOUGHTON—*Perfection Cooler Co.
TAUNTON—*Dary Ring Traveler Co. (Ring Travelers, etc.)

(Continued on following page)

Machinists & Founders—Continued

MASSACHUSETTS—TAUNTON—Continued
†Leonard & Baker Stove Co.
*†§Mason Machine Works (Textile Machinery)
†*Nelson Mach. Co.
*New Process Twist Drill Co. (Twist Drills)
†North Dighton Co-Operative Stove Co.
*Strange Chas. E. (Box Makers', Stave & Heading Machy., etc.)
*§Taunton-New Bedford Copper Co.
†Thomas Oscar G. Co. (Stoves & Iron Fdry.)
§Trefethen D. A. (Brass Founder & Finisher)
*†Weir Stove Co. (Stoves)
TURNERS FALLS—§Blassberg M.
§†Montague Machine Co.
WAKEFIELD—Belcher George E. Machine Co. (Light Machinery & Tools), 12 North av
Gibby Foundry Co.
*Lead Lined Iron Pipe Co., Dept. H
§*Sanitas Mfg. Co.
†Smith Fdry. Co.
*†§Smith & Anthony Co. (Stoves, etc.) (See Boston, Mass.)
Steel Specialties Co. (Nut Locks & Washers), Dept. H
WALPOLE—*†Fales L. F. (Paper Slitting Machines, Sewing Machines, etc.)
WALTHAM—**AMES B. C. CO.** (Bench Lathes & Bench Machinery, North Station. *See adv index at end of book*
§Boston Brass Co. (Plumbers' Brass Work Finishers & Platers), 135 Bacon
*Clement W. D. (Watchmakers' Tools)
*§Crescent Park Brass Foundry
*†§Davis & Farnum Mfg. Co. (Cast Iron Pipe, etc.)
*Derbyshire F. W. (Watchmakers' Tools)
Lucas Charles H. (Fine Tools), 153 Alder
*Maynard Mfg. Co. (Plumbers' Specialties)
§*Metz Co.
Nichols W. H. (High Grade Machinery & Machine Parts)
*Randall Frank E.
*Stark Tool Co. (Milling Machines, Precision Lathes, etc.)
*Superior Corundum Wheel Co. (Grinding & Wheels, etc)
Wade American Tool Co.
*Waltham Dial Gauge Co. (Dial Gauges), 85 Myrtle
*Waltham Grinding Wheel Co.
†§Waltham Foundry Co. (Iron & Brass Castings, etc.)
*Waltham Machine Works (Small Automatic Machinery)
Waltham Micrometer Dial Guage Co. Watchmakers' Tool), 248 Ash
*Waltham Watch Co. (Watches, etc.)
WARREN—*†§Perkins Machine Co. (Drop Hammers, Power Presses, Punching & Shearing Machy., etc)
*†Warren Steam Pump Co. (Steam Pumps, etc.)
WATERTOWN — *Massachusetts Blower Co.
†§*U. S. Arsenal Fdy.
*†Walker & Pratt Mfg. Co. (Stoves, Furnaces, Radiators, Cooking Apparatus, etc.) Office: Boston, Mass.
WEBSTER—*†§Prescott J. B. & Son.
WESTBORO—*†§Foster, Richardson Co.
WEST BOYLSTON—*Ovenden W. C.
WESTFIELD—†Bay State Fdy. Co.
*Foster Machine Co. (Machinists & Textile Machy.)
*Hinsman Machine & Tool Co. (Special Machinery, Models, Gauges, Jigs, Fixtures, etc)
*Palmer Henry A. (Machinist)
*Rogers Silver Co.
*†Smith H. B. Co. (Steam Heating Apparatus, Boilers, Radiators, etc)
Try-Me Mfg. Co.
WEST LYNN—†§*General Elec. Co.
WEST MANSFIELD—*Richardson Chas. A. (Shuttle Iron & Hardware Specialties)
WEST MEDWAY—*†§Wilkinson W. H. Co. Inc.
WEST NEWTON — *American Electric Tool Co. (Electric Portable Tools)
*Miller Trolley Shoe Co. (Contract Work)
WEST WAREHAM—*†§Tremont Nail Co.
WHITINSVILLE — *†§Whitin Machine Works (Textile Machy.)
*Whitinsville Spinning Ring Co.
WHITMAN—*Pearson Walter (Machinist)
WILLIAMSBURG — *Thayer Mfg. Co. (Small Tools, etc.)
WINCHENDON—*†§Alaska Freezer Co. (Ice Cream Freezers, etc.)
*Goodspeed Machine Co. (Woodworking Machinery)
*New England Lock & Hinge Co.
*†Whitney Baxter D. & Son (Woodworking Machy.)
WINCHESTER—*Hutchinson Leather Machine Co.
*Whitney Machine Co. (Tannery Machinery)
WOBURN—*Hjorth Lathe & Tool Co. (Tools, Dies, etc) Office, 27 School, Boston, Mass.
Massachusetts Gear & Tool Co. (Gears, Sprockets etc.)
†Woburn Iron Foundry, Inc. (Grey Iron Castings & Grate Bars)
*†§Woburn Machine Co. (Machinists & Millwrights)
WOLLASTON—†Boston Sash Weight Co.
*Emery V. J.
*G. & P. Engraving Co.
*†Wollaston Foundry Co. (Machy., Piano Plate & Light Castings)
WORCESTER—*Adams John J., South Quinsigamond
*†§AMERICAN STEEL & WIRE CO. *See adv index at end of book*
*†Ames Plow Co. (See Boston)
†Arcade Malleable Iron Co. (Malleable Iron Castings), Albany Park
*†Baldwin Chain & Mfg. Co. (Chains, Sprocket Wheels, etc), 199 Chandler
*Bradley Osgood Car Co. (Railway Cars, Castings, Wheels, etc), West Buylston
*Brierly-Lombard Co. (Woolen Machy.)
*Brownell G. L. (Spring Twisting & Spinning Machy., etc), 49 Union
*Burlingame A. Co. (Steam Engines, etc), 149 Commercial
Burlingame S. F. (Gas Engines, etc)
*Coates Clipper Mfg. Co. (Sheep Clippers, Flexible Shafts, etc), 149 Commercial
*COES, LORING & CO. (INC.) (Machine Knives, etc), Coes sq *See adv index at end of book*
*COES WRENCH CO. (Wrenches, etc.), Coes sq. *See adv index at end of book*
†Colvin Estate of J. A., 52 Jackson
*Commercial Welding & Machine Co., 142 Union
*Coppus Engineering & Equipment Co., 344 Park
*†Crompton & Knowles Loom Works (Textile Machy.), 93 Grand Park
*†Curtis & Marble Machine Co. (Textile)
*Desper H. A., 40 Shelby
*Dines Wm. L. Jr. Co. (Special Machy.), 19 Monterey
Eastern Bridge & Structural Co., 88 Crescent
*Economic Machy Co. (Label Mach.), 10 Grafton
*Elliott & Hall (Cloth Folders)
*Fairbanks G. L. & Son (Gasoline Engines & Repairs), 166 Union
*Forbes & Myers, 172 Union
*Gessner David Co. (Textile Machinery), Freemont
*Hamblin & Russell Mfg. Co., 28 Water
*Hardy L. Co. (Machine Knives, etc), 9 Mile
*Harrington & Richardson Arms Co. (Fire Arms, etc), 320 Park av
*Harwood & Quincy Machine Co. (Woolen Machines), 50 La Grange
*Heald Machine Co. (Machine Tools & Grinding Machy.)
*†§Holyoke Machine Co. (See Holyoke, Mass.)
*Houghton Mfg. Co. (Sheet Metal Stamping), 89 Exchange
*Jacques John & Son (Shears & Card Cutting Machinery, 93 Webster
*Jencks E. Mfg. Co. (Wire Goods), 28 Union
*Johnson & Bassett (Wool Spinning), 114 Foster
*Kidder R. E. Co. (Woodworking & Special Machines, etc), 33 Herman
*Leland-Gifford Co. (Crankshafts, Machine Tools, etc.)
Lowell Wrench Co. (Ratchet Die Stocks, Drills, Wrenches, etc.), 54 Commercial *See adv index at end of book*
*Luther B. G. Co. (Woodworking Machinery, etc), 91 Foster
*McMahon & Co. (Friction Clutches, Pulleys, etc.), Water cor Ledge
*Mackin Stephen Mfg. Co. (Jobbing), 54 Hermon
*Morgan Construction Co. (Wire & Rolling Mill Machy., etc.)
†§New England Brass Foundry, 344H Park av
*Norton Co. (Grinding Wheels, Grinding & Polishing Machy.), Barbers Crossing
*O. & J. Machine Co. (Wire Drawing Machinery), 60 Ellsworth
†Pero Foundry Co., 23 Mermon
*Persons Majestic Mfg. Co., 54-72 Commercial
*†Pond L. W. Machine & Foundry Co. (Grey Iron Castings, etc), 40 Gold
*§Reed & Prince Mfg. Co.
*†Reed-Prentice Co. (Machine Tools), 677 Cambridge
*†§Rice, Barton & Fales Inc. (Paper & Pulp Mill Machinery), 65 Taintor
*Robbins Machine Co. (Lathes, etc), 42 La Grange
§Rockwood Sprinkler Co.
*Roy B. S. & Son Co. (Textile Machy., etc.)
Sheppard J. E. Co. (Envelopes, Machinery, etc), 21 Buckingham rd
*Sleeper & Hartley, Inc. (Automatic Wire Spring Machinery), 335 Chandler *See adv index at end of book*
Smith Thos. Co., 119 Dewey
*Snyder J. E. & Son (Machine Tools), 288 Grove
†Standard Foundry Co.
*Standard Plunger Elevator Co. (Elevator Builders, etc.)
§Star Brass Fdry., 128 Exchange
†Steele W. M. (Switches & Switchboards), 98 Beacon
*Stockbridge Machine Co. (Shaping Machines, etc), 68 Abbott
§Taylor Walter B., 73 Moore av
*§Union Water Meter Co. (Water Meters, Regulators, etc.)
*Walden-Worcester Inc. (Wrenches), 475 Shrewsbury *See adv index at end of book*
*Walker O. S. Co. (Machine Tool Grinders, etc)
*†Washburn Shop, Boynton
†Wells Chemical Bronze Wks. (Aluminum & Bronze Castings), 65 Temple
*Westlund C. G. Co. (Friction Clutches, Grinding Machines, etc.) 498 Millbury
*Windle J. E. (Textile Machinery)
Winslow Samuel Skate Mfg. Co., 31 Mulberry
*Woodward & Powell Planer Co. (Machine Tools, etc.)
§Worcester Brass Co., Quinsig av
*Worcester Electric & Mfg. Co. (Electric Switches, etc), 42 La Grange
*Worcester Gear Works Inc., 18 Grafton
*Worcester Loom Works
†Worcester Pattern & Model Co., 93 Foster
*†Worcester Pressed Steel Co. (Stove Trimmings, Auto & Bicycle Parts, Ferrules, etc.)
*Worcester Stamped Metal Co. (Dies, Discs, etc), 9 Hunt
WRENTHAM—*Winter Bros. Co. (Taps & Dies, etc.)

MICHIGAN

ADRIAN—†Adrian Steel Casting Co. (Grey Iron & Crucible Steel Castings)
*Bond Steel Post Co. (Steel Posts, etc)
*Page Steel & Wire Co. (Machine Shop for the Company's Own Use)
ALBION—†Albion Malleable Iron Co. (Agricultural Implements & Carriage Castings)
*†§Gale Mfg. Co.
†§Nixon & Glascoff
*Richards J. A. (Printing Machy.)
ALLEGAN—†§Allegan Fdy. Mach. Co.
Blood Bros. Machine Co. (Auto Specialties)
†*Union Steel Products Co.
ALMA—†Alma Standard Foundry Mfg. Co.
*†Montigel J. M. (Agricultural Implements), etc.)
ALMONT—*†Almont Mfg. Co.
ALPENA—*†§Besser Mfg. Co.
†§*French N. C.
*§Hanson Andrew
*†§Kline Lewis T. (Excelsior Machines, Baling Presses, Automatic Lathes, etc.)
†Northern Foundry Co.
ANN ARBOR—*American Broach & Machine Co.
*Economy Baler Co. (Baling Presses, etc.)
*Hoover Steel Ball Co. (Steel Balls)
BAD AXE—†Huron Fdy. Implement Co.
BANCRAFT—†*Devereaux Ward
BATTLE CREEK—*A. B. Stove Co. (Casters, Gasoline Stoves, etc.)
*Advance Pump & Compressor Co. (Steam Pumps), Flint Division
†*Advance Rumely Co.
†§Ajax Enameling & Fdy. Co.
*†§American Steam Pump Co. (Steam Pumps, etc.)
*†§Duplex Printing Press Co.
§Franklin Brass Co. (Castings)
*Globe Mfg. Co. (Nebulizers, Elec. Air Pumps, Comp. Air Vibrators, etc.)
*Hart R. A. (Printers Machy.)
*Johnson Automatic Sealer Co., Ltd. (Sealing Machinery)
*†Nichols & Shepard Co. (Agl. Implts.)
*Ritchie G. & Sons
*§Sherman H. B. Mfg. Co. (Brass Founders & Finishers)
*Taylor Machine Works
*†§Union Steam Pump Co. (Steam Pumps, etc.)
*†United States Register Co., Ltd. (Hot Air Register)
BAY CITY—*Bay City Dredge Works, 2600 Center av
*†§Bay City Fdry. & Mach. Co.
*†§Bay City Iron Mo.
*†§Garland M. Co. (Saw Mill Machy., Steam Engines, Iron Fdrs., etc.)
§*Great Lakes Brass Fdy.
*†§Industrial Works, (Cranes, Hoisting Engines, etc.) 11th & Wash.)
*Meister R. & Son (Machinery)
*Pierce-Budd Co. (Gasoline Engines)
Smalley General Co. (Thread Millers), Trumbull
*Zagelmeyer Cast Stone Block Machy. Co.
BELDING—*Belding-Hall Co. (Refrigs.)
§Grand Rapids Brass Co.
BENTON HARBOR—*Baker-Vawter Co. (Adding Machines)
*†Baute Henry
§Benton Harbor Brass Fdy.
†§Benton Harbor Brass & Iron Co.

†§Benton Harbor Malleable Fdry Co. (Malleable Iron Castings & Journal Boxes)
†§Benton Iron & Brass Fdys.
*†Covel Mfg. Co. (Saw Sharpening & File Room Machinery)
*Crary Machine Works
*Lutes-Sinclair Co. (Laundry Machy.)
*Morrill & Morley Mfg. Co. (Spray Pumps)
*Rosback F. P. Co. (Printers' & Bookbinders' Machinery, etc)
*Saranac Machine Co. (Book Binders & Wire Stapling Machinery)
BIG RAPIDS—†*Hanchett, Swaze Works
BLAINE—*†Fair Geo. & Son (Plows)
BLISSFIELD—*Blissfield Motor Works (Motors, Drills, Tilting Vises, etc.)
†Davenport Harry C.
BOYNE CITY—*†Conrad Iron Works
BRONSON—†Kipp Wm. A.
BROWN CITY—†*Brown City Mfg. Co.
BUCHANAN—*†Lee & Porter Mfg. Co. (Carriage Axles, etc.)
BURR OAK—*†Sheffield Mfg. Co. (Agricultural Implements)
CARO—*†§Riddle Frank D. (Machinist & Foundry)
CHARLEVOIX—†Washburn O. S. & Son
CHARLOTTE—*†§Beach Mfg. Co (Road Making Machinery)
*§Hancock Mfg. Co. (Anything to Order in Brass)
CHEBOYGAN—*†§Blake H. A. & Son (Brass & Iron Foundry)
†§*Lund J. B. & Sons
CHELSEA—Lewis Spring & Axle Co. (Axles, Springs, etc)
COLDWATER—*§Champion Brass Works (Brass & Aluminum Castings, etc.)
*Loring Sanford (Machinist)
Regal Gasoline Engine Co.
†Titus Thurlow (Iron Foundry)
COMSTOCK—*Davis W. T. & Co.
*†Peer Mfg. Co. (Steam Engines & Power Transmitting Machinery)
CONSTANTINE—*Harvey W. W. & Son (Laundry Machinery)
DEARBORN—Ford Henry & Son
DETROIT — †Acme Foundry Co. (Iron Founders, Gray Iron Castings), 2503 Isabella
*Acme Mfg. Co., 1647 Howard
American Blower Co. (Engines, Blowers, Fans, etc,), 6004 Russell
*§American Brass & Iron Co. (Brass Bronze & Aluminum Castings), 6425 Crystal
*American Bridge Co. (See Pittsburg, Pa.), 2273 Beecher
*†American Car & Foundry Co., 443 Ferry. (See St. Louis, Mo.)
American Injector Co., 1469 14th av
*§American Lubricator Co. (Lubricators & Brass Founders & Finishers, etc.), Summit & Wabash Ry.
*†Art Stove Co. (Stoves, etc.), Russell & Milwaukee
†Atlas Foundry Co., 131 S Artillery av
*Barcy Nicholson Co., 2801 W Fort
§Bohn Chas. B. Foundry Co., 3651 Hart av
*Bowen Products Corp. (Oil & Grease Cups, Oil Hole Covers, etc), 2760 W Warren
See adv index at end of book
*Bower Roller Bearing Co., 3040H Hart av
§*Brass Products Co., 3661 Palmer
†Buhl Malleable Co. (Malleable Iron & Open Hearth Steel Castings), Wight & Adair
*Burroughs Adding Machine Co. (Adding Machines), 356 E Congress
†§*Cadillac Motor Car Co., 2860 Clark av
*§Caille Bros. Co. (Coin Operating Machines) 2nd & Amsterdam
*§Capital Brass Works (Valves, etc.), 2306 Franklin
§Carolin R. B., 3633 Military
†§*Central Specialty Co., 1653 St. Aubin
*CHICAGO PNEUMATIC TOOL CO. (Boyer Branch, Pneumatic Tools), 1301 2nd av.
See adv index at end of book
§City Brass Fdy., 1979 Macomb
Clark Cutter Co. (Milling Cutters, etc), 1304 Harper av
Clayton & Lambert Mfg. Co. (Plumbers' & Tinners' Tools), 10565 Knodell av
*Colton Arthur Co. (Pharmaceutical & Special Light Machy.), 2600H E Jefferson
§Columbia Castings Co., Ferdinand & Wabash Ry.
Commonwealth Brass Corp. (Lubricators, Valves, Oilers, etc.), 5781 Commonwealth av & Ry. Dept. H
†De Croupet Iron Works, 1369 Monroe av
*†Detlaff A. J. Co. (Grey & Malleable Iron Castings, Machinists, etc), 121 E Lafayette
*Detroit Auto Piston Co., 1139 Baltimore av
*Detroit Automatic Scale Co. (Computing Scales), 409 E Jefferson
*†§Detroit Brass & Malleable Works, 1177 Holden
*Detroit Edge Tool Works (Mfrs.), 740 E Woodbridge
*†Detroit Foundry Co., 1 E Grand blvd & Rropesse
*Detroit Gear & Machine Co. (Cut Gears, etc), 129 Franklin
†Detroit Gray Iron Fdy. Co., 401 Wight
*Detroit Hoist & Machine Co.
See adv index at end of book
*§Detroit Lubricator Co. (Lubricators & Steam Separators)
*§Detroit Motor Casting Co. (Auto Brass Goods and Power Boats), 1067 Beaufait av
Detroit Piston Ring Co., 7401 Richmond
†Detroit Register Co. (Hot Air Registers & Hardware Specialties), 530 W Jefferson
*Detroit River Iron Works (Marine Work, etc), 2665 E Atwater
*§Detroit Sanitary Supply Co., 1191 2d
*†§Detroit Shipbuilding Co. (Iron & Steel Ships, Marine Engines & Iron & Brass Founders & Finishers), 5905 2nd
†Detroit Steel & Casting Co., 4069 Michigan
Detroit Stoker Co. (Mechanical Stokers, Grey Iron Castings, etc.), 118 General Motors bldg
Detroit Stove Works (Stoves, Ranges, etc.), 6900 E Jefferson av
Detroit Torch & Mfg. Co., 12057 Cardoni av
*Detroit Twist Drill Co. (Twist Drills, Chucks, Reamers, etc.), 2108 Fort W
†§*Detroit Valve & Fittings Co.
†Detroit Vapor Stove Co., 12345 Kercheval
*Dodge Bros., 7900 Jos. Campau av
§Douglas & Lomason Co. (Automobile Hardware), 5836 Lincoln av
*†§Enterprise Foundry Co. (Castings), 6463 E Warren av
*§Essex G. B., Brass Co. (Lubricators & Brass Founders & Finishers), 480 Franklin
*Excelsior Tool & Gauge Co., 1535 Temple av
*†Federal Bearing & Bushing Corp., 11031 Shoemaker
Federal Machine Products Co., Farnsworth & Beaufait, Dept H
†*Ford Motor Co., Highland Pk
*Fruchey Mfg. Co. (Tools, Dies, etc), 429 Bagg
*Fuller Co. (Engines & Electric Ventilating Apparatus, etc), 1131 Park av
*Gear Grinding Machine Co. (Gears, etc.), Christopher & Conant blvd
§General Aluminum & Brass Mfg. Co. (Aluminum & Brass Castings & Babbitt Metals), 2512 E Grand blvd
*Gibb Instrument Co., General Motors bldg
*Gies Gear Co. (Transmission Gears), Boydell bldg
*Glenzer J. C. Co., 3H 14th
*§Graebert & Sons (Brass Founders & Finishers), 924 Sherman
†§Grant Bros. Foundry Co., 2931 Beaufait av
*Gray Motor Co. (Gasoline Marine Motors), Det. Term. R. R. & Mack
*†Great Lakes Engineering Works (See Ecosse, Mich.), Real Est. Exch. bldg.
*†Greenwood Mfg. Co., 514H Greenwood
*†Griffin Wheel Co. (See Chicago, Ill.), Beecher & M. C. R. R.
*Grimes Molding Machine Co. (Foundry Molding Machines), 5736 Hastings
§Hackett Brass Foundry, 1202 Lillibridge av
*§Hall C. M. Lamp Co., Hancock & Rivard
*Hanson Tool & Die Co. (Tools, Dies, etc), 5736 12th
*†§Harvey's A. Sons Mfg. Co. (Steam Heating Apparatus, etc.), 28 1st
*Hayes File Co., 1986H Franklin
*Heller P. A. & Sons, 213 State
*§Hensley Trolley & Mfg. Co., 370 Holden av
*†Ideal Furnace Co. (Furnaces, Registers, Heating Specialties, etc.), 530 N Jefferson av
*Ireland & Matthews Mfg. Co. (Stoves), Beard & Chatfield
*Jefferson Iron Works Co. (Machinists), 548 N Jefferson av
*†Jenks & Muir Mfg. Co. (Brass & Iron Bedsteads), 6441 Hastings
*Johnson & Walters Mfg. Co., 101 Baltimore av
†Kahl Fred'k Iron Foundry, 2111 E Atwater
*Kennedy & Greig, 1503 2nd av
*Kermath Mfg. Co. (Gasoline Engines), 5890 Commonwealth
Knight Screw Products Co., David Whitney bldg
*Kraetke Bros. (Machine Tools), 2493 E Grand blvd & St. Aubin
Ladd John W. Co. (Creamery Machy & Supplies), 2016 W. Lafayette
*Langtry Machine & Tool Co., 700 Commonwealth av
Lauer Jno. Machine Co. (Crankshafts & Special Machy.), 110 St. Antoine
*Liebig Wm. & Co. (Brush Machinery), 96 Leland
§Long Mfg. Co., E Grand blvd & Cameron
†§*Lukomski Bros.
*§McCord Radiator Mfg. Co., 2587 E Grand blvd
*McDonough Automatic Regulator Co., 716 Grand River av
McRae & Roberts Co. (Brass Fdrs. & Steam & Plumbing Brass Goods, etc.), 100 S. Campbell av
§Magnus Co., Inc., 945 Griffin
*Mailometer Co., 3455 Jefferson av
*Mansfield Steel Corp., 288 E Milwaukee av
*†Maxwell Motor Co.
*Mead & Co. (Pulverizing Machy. etc.), 19th & Newark
§Michigan Copper & Brass Co. (Brass Goods, etc.), 1611 W Jefferson av
†Michigan Grey Iron Castings Co., Harbaugh & C
*§Michigan Lubricator Co. (Lubricators, etc.), 3643 Beaubien
Michigan Machine Co., 951 Porter
†Michigan Malleable Iron Co. (Malleable Iron Castings, etc.), Delray
*†Michigan Sprocket Chain Co. (Conveyors, Sprocket Wheels), Delray
†Michigan Steel Casting Co., 1986 Guoin av
*†Michigan Stove Co. (Stoves & Ranges), Adair & Jefferson
Middleditch Benjamin (Screw Cutters, etc.)
*†Mogul Metal Co., 535 Larned W
†Monarch Foundry Co., Greenwood & G. T.
†Monarch Steel Castings Co. (Steel Castings, Car Couplers, etc.), Solvay & Wab. R. R.
†*Moore Edwin C. Son, 11 W Elizabeth
*Morehead Mfg. Co. (Steam Traps)
Motor Products Corp. (Plumbers' Supplies), Mack av & Outer Belt Line
*Murchey Mach. & Tool Co. (Pipe Cutting, Threading Machines, etc.), 951H Porter
*†§Murphy Iron Works (Smokeless Furnaces), ft. Walker
*†Muzzy-Lyon Co., Ltd., 11031 Shoemaker
§National Bronze & Aluminum Castings Co., 974 Garfield
*National Twist Drill & Tool Co., 6502 Brush
*Northway Motor & Mfg. Co. (Gas & Gasoline Engines, Axles, etc.), Maybey & G. T. R. R.
Osborn F. C. (Special Mchy.), 64 Lawrence av
†§Packard Motor Car Co.
Palmer-Bee Co. (Engineers & Machinists for Power Transmission, etc.), 2778 E. Gd. blvd
§*Park McKay
*Pelton & Crane Co. (Elec. Specialties), 632 Harper
*§Penberthy Injector Co. (Engineering & Steam Specialties, etc.), 346 Holden av
*Peninsular Brass Works, Walter & Warren
*Peninsular Emery Wheel Co. (Emery Wheels & Emery Wheel Machy.), 729 Meldrum
*†Peninsular Stove Co. (Coal & Gas Stoves, Ranges & Furnaces)
*Puritan Machine Co. (Slot Machines), Lafayette & 10th
*Reinhold Mfg. Co., 693 E Palmer
Roberts Brass Mfg. Co. (Plumbers' Brass Goods, etc.), 5435 W Fort
*Rogers Chas. E. (Milk Condensing Machinery, etc), 7611 Wetherley
*†Russell Wheel & Foundry Co. (Cranes, Cars, Wheels, Car Trucks, Castings, Special Machinery, Auto Parts, etc.), Chene & B. L. R. R.
*Sales M. W. Co., 315H W. Jefferson av
†Schwartz Foundry Co., Fort W & Vermont
*Scripps Motor Co. (Gasoline Marine Motors), 629 Lincoln av
Sherwood Brass Works (Brass Finishers, etc.), 6331 Jefferson E, Detroit, Mich.
*§Smith Jos. N. & Co. (Brass Finishers & Platers, Automobile & Bicycle Works, etc.), 2461 E Gd. blvd
†Smith-Matthews Foundry Co., 6636 Charleox
*Smith Peter Heater Co. (Car Heaters, etc.), 1843 Mt. Elliott
*†§Standard Brass Works, 2931H Wight
*Standard Computing Scale Co. (Computing Scales), 30 Library
*Stecker Elec. & Machine Co., Dewey
*†§Stephens Roe Mfg. Co. (Brass Fdrs., Finishers & Steam Brass Goods, etc.), 1097 McKinley
*Sterling & Skinner Mfg. Co. (Brass Fdrs. & Finishers & Steam Brass Goods), 2672 E. Grand Boul.
*§Stuart Foundry Co., 138 Junction
*†§Studebaker Corp.
*Superior Machine & Engng. Co., 51 E Fort

(Continued on following page)

Machinists & Founders—Continued

MICHIGAN—DETROIT—Continued

†Swedish Crucible Steel Co. (Crucible Steel Castings), Butler & Grand Trunk RR.
*†Tessmer Mach. & Tool Co., 1425 Rivard
*§Thiery & Kendrick Mfg. Co. (Aluminum, Brass & Bronze Castings, etc), 2724 Franklin
Tufting Machine Supply Co. (Leather Measuring Machines), 635 Mt. Elliot
*Wadsworth Mfg. Co. (Oil Engines, etc.), 155 W Congress
*Walter Machine Co., 500 Bellevue av
§Walz Christopher, 3257 Canton
*Welded Steel Barrel Corp., 11800 Charlevoix av
*†Whitehead & Kales Iron Works (Iron Fdrs. & Steel Structural Work), Beecher av, M. C. R. R.
*Willis Piston Co., 676 W Grand blvd
*Wilson J. C. & Co., 15th & Warren
*Wing J. T. & Co., 129 Woodward
*Wright-Austin Co. (Steam Traps & Steam Specialties), 315 W. Woodbridge
Young Bros., 6500 Mack

DOWAGIAC—*†Dowagiac Drill Co. (Agri. Implts., Seeding Machinery, etc.)
EAST JORDAN—*†§Malpass Bros.
ECORSE—*†Ecorse Foundry & Machine Co. (Castings)
*†§Great Lakes Engineering Works
ESCANABA—*†§Chatfield Brass & Iron Wks. Co.
FENTON—*†Walker Mfg. Co. (Pumping Engines & Castings, etc.)
FERRYSBURG—*†Johnston Bros. (Boilers & Castings, etc.)
FLINT—†Flint Fdry. Co.
†§*General Motors Corp.
*†§Genesee Iron Works (Iron Fdrs.)
§†McCorkell & Hurd
FRANKFORT—*†§Markham F. E.
GLADSTONE—*Marble Arms & Mfg. Co.
*Marble-Card Electric Co. (Motors)
GRAND HAVEN—*†American Brass Novelty Co.
*†Challenge Machinery Co. (Printing Presses, etc.)
*†§DAKE ENGINE CO. (Pneumatic Cranes, Hoists & Motors, Stearing Gears, etc.)
See adv index at end of book
*§Grand Haven Brass Foundry
GRAND LEDGE—†*City Iron Wks.
*†Streeter Hiram R.
GRAND RAPIDS—*†§American Seating Co. (See Chicago, Ill.)
*Attwood Brass Works (Auto Mountings & Special Brass Work)
*Baldwin, Tuthill & Bolton (Saw Mill Machy., etc.)
*†Butterworth & Lowe
†§Connor Foundry Co.
*Dodds Alex. Co. (Woodworking Machinery, etc.)
*Edge Frank & Co. (Saws & Saw Machy.)
*Elliott Machine Co. (Button Fastening Machines)
*Fox Typewriter Co. (Typwriters)
*Globe Vise & Truck Co. (Vises, etc.)
*§Grand Rapids Brass Co. (Brass Fdrs. & Finishers)
†Grand Rapids Foundry Co. (Iron Fdrs.)
†Grand Rapids Malleable Works
*§Grand Rapids Refrigerator Co.
*Grand Rapids Textile Machinery Co. (Textile Machinery)
†Haney School Furniture Co.
§Harring F. J. & Co. (Brass Castings, etc.)
*†Hartman H. J. Foundry Co.
†Ideal Foundry Co.
*Imperial Mchy. Co. (Woodworking Machy.)
*§Keeler Brass Co. (Brass Fdrs & Finishers, etc.)
§Knape & Vogt Mfg. Co.
*†§Leitelt Adolph Iron Works (Iron Fdry. & Builders' Iron Works, etc.)
*Munson Co. (Edge Tools, etc.)
§National Brass Co.
*Oliver Machinery Co. (Woodworking & Pattern Shop Machinery)
*†§Perkins & Co. (Shingle Mill Machinery, Gass Engines, etc.)
*Porter C. O, Machinery Co. (Woodworking Machinery, etc.) 666 Front av
§Powell Brass Mfg. Co.
†Rathbone Mfg. Co. (Fireplace Furnishings & Castings)
†§Rempis & Gallmeyer Foundry Co. (Iron & Brass Fdrs. & Concrete Machy.)
Samson Trailer Works.
§Standard Brass Foundry Co.
Stanley Fdy. Co.
Tannewitz Works (Woodworking Machy.), 333 Front N W
*West Michigan Machine & Tool Co. Ltd.
*Wilmarth & Morman Co. (Drill & Tool Grinders, etc.)
*§Wolverine Brass Works (Brass Fdrs. & Finishers)

GREENVILLE—*†Gordon Hollow Blast Grate Co. (Grate Bars & Woodworking Machinery)
*†Greenville Implement Co. (Plows & Implements)
*†Moore Plow & Implement Co. (Agri. Implts., Plows, etc.)
*†§Tower R. J. Iron Works (Mfrs. Machinery)
*†§Wright C. T. Engine Co.
HANCOCK—*†§Portage Lake Foundry & Machine Co. (Mining Machinery, Castings, Chilled Car Wheels, etc.)
§Ward & Williams
HARBOR SPRINGS—*Shay E. & Son (Machinists, etc.)
HILLSDALE—*†Alamo Mfg. Co. (Gas & Gasoline Engines, etc.)
*†Alco Fdry. & Machine Co.
HOLLAND—*†Buss Machine Works
*Federal Stamping Co.
*Holland Engine Co. (Gasoline Engines, etc.)
†*Holland Furnace Co.
†Home Furnace Co.
*§Huntley Machinery Co.
†§Superior Fdy Co.
*Western Machine Tool Works (Machine Tools)
HOLLY—*†§McGonegal Frank E.
†Patterson Mfg. Co.
HOLT—†Nickel F. J. & Sons
HOWELL—Howell Electric Motors Co.
HUDSON—*Abbott W. H.
*Abbott & Co. (Carriage Bldrs.' Machinery)
*Hardie Mfg. Co. (Painting & Spraying Machines)
*†Hazen Mfg. Co. (Pumps, etc.)
IONIA—*†§Arnold's G. W. Son
*†Stafford E. H. Mfg. Co.
JACKSON—*Aspinwall Mfg. Co. (Potato Machinery, Planters, Diggers, etc.)
*Butcher & Gage
*Cement Machy. Co. (Concrete Bldg. Block Machinery & Devices)
†Cobb Wm.
*Field-Brundage Engine Works (Gasoline Engines & Motors)
*Fox Machine Co. (Drilling Machines)
*Frost Gear & Forge Co. (Gears, Pinions, etc.)
*Hall-Holmes Mfg. Co. (Concrete Mixers)
*Hutchison Frank (Flour Mill Machy.)
*§Jackson Brass Foundry Co.
*Knickerbocker Co. (Flour Mill & Cement Machy.)
*Lockwood Ash Motor Co. (Gasoline Engines)
†Lusk Bros. Foundry Co. (Grey Iron Castings)
*Miles Mfg. Co, (Concrete Building Block Machines)
*Mott Wheel Works (Auto Wheels & Axles)
*§Novelty Mfg. Co. (Stoves, Hot Air Registers)
†Pioneer Fdy Co., Ltd.
*Sanford James A.
*Sparks-Withington Co. (Ball Bearings)
*Walcott Lathe Co. (Machine Tools, Lathes, etc)
KALKASKA—*Johnson, E. F.
KALAMAZOO—*Armstrong & Veley
*Atlas Press Co., 323 N Park
*Burtt Mfg. Co. (Gasoline Engines)
*†Clark Engine & Boiler Co. (Steam Engines, etc.)
*D'Arcy Spring Co
*†Dutton C. H. Co. (Steam Engines, etc.)
*Foss Engine Works
*General Gas Light Co. (Gas Lighting Appliances)
§Gerline Brass Foundry Co.
*†§Goodale Co
*Harrow Spring Co. (See Milwaukee, Wis.)
*§Henderson-Ames Co. (Regalias, etc.)
*†Hill Curtis Co. (Saw Mill Machy.), (Loco. Driver Boxes)
*Humphrey Co. (Instantaneous Water Heaters, etc.)
*†Kalamazoo Fdry. & Machine Co., 586 E Main
*Kalamazoo Machine & Tool Co.
†§*Kalamazoo Match Plate & Fdy Co.
*†Kalamazoo Railway Supply Co. (Hand & Motor Cars & Railway Supplies, etc.)
*Kalamazoo Spring & Axle Co. (Carriage Springs & Axles, etc.)
*†Kalamazoo Stove Co. (Stoves, etc.)
*†Kalamazoo Tank & Silo Co. (Mach. & Grey Iron Fdrs., etc.)
*Linihan M E (Fanning Mills)
§New Era Mfg. Co.
*Phelps & Bigelow Windmill Co. (Windmills, Pumps, etc.)
*†Reed Fdry. & Mach. Co. (Agri. Implements & Crucible Steel Castings)
†Riverside Foundry & Galvanizing (Iron Fdrs.)
*Smith & Pomeroy Windmill Co. (Wind Mills, Feed Mills, etc.)
*§Star Brass Works (Brass Castings, Trolley Wheels, etc.)
LAKE LINDEN—*Calumet Motor Co.
LANSING—*Bates & Edmonds Motor Co.
*†Bean Spray Pump Co.
*Brownwall Engine & Pulley Co. (Gasoline Engines, etc.)
*Eureka Machine Co.
§Gerson & Carey Co.
*Gifford Engine Co. (Gas Engines)
*Ideal Power Lawn Mower Co. (Mfrs.)
*Jarvis Engine & Machine Works (Engineers & Machinists)
*†Lansing Co. (Car Wheels, Mining Cars, etc.)
*Lansing Forge Co.
*Melling Forging Co. (Forgings)
†§Michigan Brass & Iron Works (Brass & Iron Founders)
*Motor Wheel Corp. (Steel Products & Stampings), 701-735 E Saginaw
See adv index at end of book
*†New Way Motor Co. (Gas & Gasoline Engines)
*†§Novo Engine Co. (Gasoline Engines & Castings)
*†§Olds Motor Works (Motors & Gas Engines)
*Original Gas Engine Co. (Gas Engines)
*Prudden Wheel Co., Inc. (Automobile Wheels, etc.)
*Reliance Engineering Co. (Cream Separators, etc.)
†Standard Castings Co.
LAPEER—†Bostick Stove Co. (Stoves)
LOWELL—*Lowell Specialty Co. (Spraying Machines)
LUDINGTON—*†§Industrial Iron Works
Stearns Motor Mfg. Co. (Gasoline Engines, etc.)
MANISTEE—*†Johnson August N.
*†§Manistee Iron Works Co. (Saw Mill Machinery, Steam Engines, Iron Foundry, etc.)
MARCELLUS—†*Chapman H. L.
MARQUETTE—*†§Lake Shore Engine Works (Marine & Stationary Engines, Iron Fdrs., etc.)
*Longyear E. J. Co. (Diamond Drills)
MARSHALL—*†Lambert Machine Co. (Food Machinery, etc.)
†*Marshall Furnace Co.
MASON—†Fingerle Jno. C. (Iron Fdry.)
MENOMINEE—*§Henes & Keller Co. (Air Pumps, Brass Fdrs., etc.)
*†§Menominee Electric Mfg. Co.
*†§Prescott Co. (Saw Mill Machy. Pumps, etc)
MILAN—†Ideal Furnace Co.
MONROE—*†§Monroe Fdry. & Furnace Co., (Castings, etc.)
†Monroe Steel Castings Co. (Crucible Steel Castings)
*†Wilder-Strong Implement Co. (Agl. Implements, etc.)
MOUNT CLEMENS—†Donaldson Bros. (Agl. Implements, Plows, Cultivators, Harrows, etc.)
*Phillips & McCreedy
MOUNT MORRIS—*†§Hughes Jno.
MOUNT PLEASANT—*†§Gorham Bros. Co.
MUNISING—†*Munising Fdy Co.
MUSKEGON—†Campbell, Wyant & Cannon Foundry Co.
†Clover Chas. S. (Iron Fdry.)
*Continental Motor Mfg. Co. (Marine Motors, etc.)
†Eagle Iron Works
*§Enterprise Brass Works (Frank Holt, Prop) (Brass Castings & Launch & Engine Trimmings)
*†Gray Iron Foundry
*†§Howe Chain Co.
*†Lakeside Foundry
Lakey Foundry & Machine Co.
*Linderman Steel & Machine Co. (Woodworking Machy.)
§Muskegon Aluminum Foundry Co. (Aluminum, Brass & Bronze Castings)
*Muskegon Motor Specialties Co. (Engine Parts)
†*Piston Ring Co.
†*Pyle Pattern Wks. & Mfg. Co.
*Shaw Electric Crane Co. (Main Office, New York City)
*†Simonson J. T. & Co.
*†Standard Malleable Iron Co. (Malleable Iron Castings)
*U. S. Gas Machine Co. (Pressure Blowers & Gas Machines)
†West Michigan Steel Foundry Co. (Steel Castings)
MUSKEGON HEIGHTS—*†Morton Mfg. Co. (Machine Tools)
NASHVILLE—*Taylor John E.
NILES—*†Garden City Fan Co. (Iron Founders & Blowers, Fans, etc.)
*National Standard Co. (Jacks & Pumps), Box 211
*†Niles Steel Tank Co.
*†§Welling A. H.
NORTHVILLE—*†§American Bell & Foundry Co. (Bells, etc.)
*Simpson Mercantile Equipment Co. (Wagon Platform & Truck Scales)
OWOSSO—*American Malleable Co. (castings)
†Independent Stove Co. (Stoves)
PETOSKEY—†Blackmer Rotary Pump Co. (Rotary Pumps, etc)
*†§Burnett Foundry & Machine Wks. (Ltd.) (Marine Gasoline Engines, etc.)
PLYMOUTH—*†Bennett Mfg. Co. (Air Rifles)
*†Daisy Mfg. Co. (Air Rifles)
*†§Hamilton C. J. & Son (Rifles, Guns, etc.)
*§Markham Air Rifle Co.

PONTIAC—*†Bacon Mfg. Co. (Bean Sorting Machy.)
*General Motor Truck Co.
†*Wilson Fdy & Mach Co.
PORT HURON—*American Machinery Co. (Flour Mill Machy.)
*Anker-Holth Mfg. Co. (Cream Separators)
*†§Draper Mfg. Co. (Valve Facing Tools, etc.)
*§Moak Machine & Tool Co. (Machine Tools & Castings)
†Little Bros. Fdy Co.
Mueller Metals Co. (Forgings, Rod, Sand Castings, Die Castings, Tubing)
*†§Port Huron Engine & Thresher Co. (Agricultural Implements, Traction Engines, etc.)
†Romeo Foundry Co. (threshing machines)
†§Rudge Jno. Foundry Co.
*†United Brass & Aluminum Mfg. Co.
PORTLAND—*Jenkins W. S. & Sons
†*Portland Fdy Co.
RICHMOND—*†Parker Plow Co. (Agrl. Implements)
ROCHESTER—*†Jackson & Co.
ROMULUS—*†Seestedt Henry W.
SAGINAW—§*Am. Cash Register Co.
*†§Bartlett A. F. & Co. (Saw Mill Machinery, Engines, Grey Iron Castings, etc.)
*Columbia Western Mills. (See New York)
*Erd Motor Co. (Gas & Gasoline Engines, etc.)
†Fair S. & Son
*Ferrell A. T. & Co. (Canning Machinery)
†Fredericksen Co. (Castings)
*Heginbottom S. H. & Sons
*Jackson, Church & Wilcox Co.
*†§Jackson & Church Co. (Brick Machinery, etc.)
*Koehler Bros. (Forge & Machine Shop)
*Lufkin Rule Co. (Rules, etc, for own use)
*Mershon W. B. & Co. (Woodworking Machy., etc.)
*†Mitts & Merrill (Green Bone Cutters, Garbage Grinders, Chippers and Shredders, Wood Pulverizers, etc.)
Murray & Maruna
*†Nelson Bros. Co. (Gasoline Engines)
*Stork Motor Works Co.
*Valley Boat Co. (Marine Engines)
†§Valley Grey Iron Foundry Co. (Grey Iron Castings, etc.)
*†§Wickes Bros.
See adv index at end of book
*Willcox Engng. Co., 1525 Holland
ST. CLAIR—†§*Baldwin Martin
ST. JOHNS—*Farmers' Cement Tile Machine Co. (Cement Tile Machines, etc.)
†§*Industrial Fdy Co.
*Mason F. C. & Co. (Agl. Implts. & Parts)
ST. JOSEPH—*Engberg Electric & Mechanical Works (Machinists, etc)
†Fay-Kultgen Fdy Co.
*†§St. Joseph Iron Works (Basket & Veneer Machinery, etc.)
*Truscott Pierce Engine Co.
*Upton Machine Co.
ST. LOUIS—†§*Alma Standard Fdy. Mfg. Co.
§Lane B. R.
SAULT SAINTE MARIE—*†§Hickler Bros. (Marine Work)
Kings B. V. Machine Shop & Fdy.
SEREWAING—*†Kellogg W. H.
SOUTH HAVEN—†Brayer Wm
*Manes E. B. & Co. (Peach Pitting Machines)
SPARTA—†Sparta Foundry Co.
STURGIS—*†Freeland B. F. Sons Co. (Iron Tanks, Heaters, etc.)
*§Miller Charles A. Co. (Plumbers' Brass Goods)
*†Morency - Van Buren Mfg. Co. (Plumbers' Specialties)
*Sturgis Machine Co.
TECUMSEH—*†Brewer H. & Co. (Brick Presses & Clay Working Machy., etc)
*†Heesen Bros. Co. (Feed Cookers, Hog Ringers, etc.)
THREE RIVERS—*Armstrong Machine Works (Wire Spokes & Nipples, etc.), 307 Maple
See adv index at end of book
*†§Fairbanks, Morse & Co., Sheffield Plant (R. R. Specialties)
†§Three Rivers Brass Wks.
*†Three Rivers Railway Supply Co. (R. R. Specialties, etc.)
TRAVERSE CITY—*Potato Implement Co. (Corn & Potato Planters, etc.)
*†§Round Harry W. (Iron & Brass Foundry)
*†§Traverse City Iron Works (Iron & Brass Fdrs. & Machinists)
UBLY—†§*Farriby J. W.
VASSAR—*Hammant & Shoop
VICKSBURG—*†§Vicksburg Governor Co.
WYANDOTTE—*†Michigan Alkali Co. (Fdry. Dept.)
†Regent Stove Co.
YALE—*Yale Machinery Co.
YPSILANTI—*† McCullough W. L. Co.
*†§Michigan Press Co. (Presses & Shears, etc.)
*Thompson O. E. & Sons (Agrl. Implements, etc.)
*†Ypsilanti Hay Press Co. (Hay Presses, etc.)
*†Ypsilanti Machine Works (Flour Mill Machinery, etc.)

MINNESOTA.

ALBERT LEA—†*Albert Lea Tractor & Mfg. Co.
*§American Gas Machine Co. (Gas Machines, etc)
*Edwards C. D. (Stump Pullers & Ditching Machines)
*†§Veness J. W. (Machinist & Fdry.)
ALEXANDRIA—*Fredenberg M. D.
AUSTIN—*†Austin Foundry Co. (Grey Iron Castings)
BLOOMING PRAIRIE—*Morton Thos. S. & Son
BRAINERD—*†§Parker & Topping Co. (Iron Fdrs., Light & Heavy Castings, etc.)
CALEDONIA—*Caledonia Wagon & Iron Works
CHASKA—*†§Ess Bros.
COLOGNE—*Kohls Wm. (Machinist)
CROOKSTON—*†Crookston Mfg. Co.
CROSBY—Sagamore Iron Co., Dept. H
DASSEL—*Wreisner Bros.
DULUTH—Clyde Iron Works Sales Co. (Hoisting Engines, Derricks, Logging Machinery, etc.)
See adv index at end of book
*§Duluth Brass Works Co. (Railroad Brasses)
†Duluth Iron & Metal Co.
*Duluth Machinery Co.
*Globe Iron Works
*†McDougall-Duluth Co. (Steel Shipbuilders)
†Marine Iron & Shipbuilding Works
†§Minn. Radiator Co.
*†National Iron Co. (Hoisting Engines, Hoists, Grey Iron Castings, etc.)
FARIBAULT—†§*Anderson & Sons A.
*Kent Mfg. Co. (Sanding Machines)
*†Nutting Truck Co.
*†§Winter F. W. & Co.
FAIRMONT—*†§Fairmont Railway Motors, Inc.
FERGUS FALLS—*†§Fergus Iron Works Co.
GHENT—*Ghent Mfg. Co.
GLENCOE—*†Glencoe Fdry. & Machine Co.
HOPKINS—*†§Minneapolis Threshing Machine Co.
KASSON—*Johnson V. C.
LA CRESCENT—†§Smith W. Grubber Co. (Stump Pullers, etc.)
LAKE CITY—*†§Gillett, Eaton & Squire (Engines, etc.)
MADISON—*Berg, Louis O.
MANKATO—Little Giant Co. (Hammers & Agricultural Implements)
*†§Mankato Mfg. Co. (Machinists & Founders)
MINNEAPOLIS—*†American Bridge Co., 629 S E 2d (See Pittsburgh, Pa.)
*American Grain Separator Co. (Grain Cleaning Machy.), Erie & S. E. Essex
*Andrews Heating Co. (Low Pressure Boilers & Steam Heating Specialties)
Bowen Products Corp. (Machine Screw Work & Oiling Devices), 983 17th av
See adv index at end of book
Bros Wm. Boiler & Mfg. Co.
†Bryant J. W. Co., 321 S E Oak
*†Central Machine Works Co. (Special Machinery, Patterns, etc.), 1234 Central av
*§Commutator Co. (Copper & Brass Fdrs., Finishers, Commutators, etc.), 121 N 1st
*†§Crown Iron Works Co. (Builders' Iron Work), 1229 Tyler
*†Diamond Iron Works (Grain Elevator, Saw Mill Mchy., etc.), 2d & 18th av N
†Eagle Iron Works, 9th av S & 5th
*Enterprise Machinery Co. (Gasoline Tractors), 1600-8th
*†§Flour City Ornamental Iron Co. (Brass, Iron & Bronze Fdrs., Finishers, Machinists, etc), 27th & 27th av
†Great Western Stove & Repair Co., 312 Hennepin av
*†§Howell R. R. & Co. (Saw Mill Machinery, etc), 31st av
*Imperial Machine Co. (Traction Engines), 1611 Central av
†Kansel John
*Keller Mfg. Co., 1228 N. E. Quincy
*†Kinnard & Sons Mfg. Co. (Tractors, etc), 44th av N & Bryant
*Lagerquist Gus (Elevators, etc), 516 N Third
†Menzel & Jeffrey Co., 317-9th av
*†Mereen-Johnson Machine Co. (Box Machinery), 4400 Lyndale av
*§Minneapolis Brass & Iron Mfg. Co. (Brass Fdrs. & Finishers), 115 N 9th
†Minneapolis Elec. Steel Castings Co., 38th av N. E. & 5th
*†§Minneapolis Steel & Machinery Co (Corliss Engines, Heavy Castings, etc), 2254 Minnehaha av
*†Minneapolis Threshing Machine Co. (Agrl. Implt. Mfrs.), Hopkins
*†§Minnesota Moline Plow Co., 401 N. 3d
*National Novelty Co., 519 3d S
†North Star Foundry Co., 32d av & 27th
*§Northern Fire Apparatus Co. (Fire Engines, etc), 2422 Univ. av S. E.
*†Owens J. L. Co. (Grain Cleaning Machinery, etc), Fulton & S. E. Huron
*Parten-Blomstrom Mfg. Co., 311 6th av S
*Power Equipment Co., 212 3d av N.
*Progressive Shoe Machinery Co. (Shoe Machinery), 3132 Snelling av
*Pynch E. A. & Co. (Flour Mill Machinery), 311 3d av S.
*Russell Grader Mfg. Co. (Road Machinery), 2005 Univ. av S. E.
†§St. Anthony Iron Wks.
†Salisbury & Satterlee Co. (Iron Bedsteads), 201 S E Main
*†Standard Foundry Co., 984 Central av
*Strong-Scott Mfg. Co. (Feed Mill Machinery, etc), 413 S. 3d
*†Twentieth Century Brass Works Co. (Brass Founders & Launch & Yacht Trimmings, etc), 514 5th av, S
§Twin City Rapid Transit Co. (Aluminum Brass, Grey Iron & Steel Castings), 11th & Hennepin
*†Union Iron Works, cor 123 Main S. E.
*Western Crucible Steel Casting Co., 2843 Pleasant av
NEW PRAGUE—*†§New Prague Foundry Co.
NEW ULM—*†§Leonhardt Chas. (Power Hammers, etc.)
NORTH BRANCH—*Splittstoser Mfg. Co. (Jobbing)
NORTHFIELD—*Northfield Furnace Co. (Furnaces)
*†Northfield Iron Co. (Concrete Mixers, etc.)
ORTONVILLE—*†§Mullica W. F.
OWATONNA—*†§Owatonna Mfg. Co. (Grain Drills, Seed Sewers, etc.)
*†§North Star Iron Works Co.
*Virtue & Pound Co. (Gasoline Engines)
*†Washington Tool Co. (Tools & Machinery)
PAYNESVILLE—*†Seavey C. W.
PLAINVIEW—*Edwards W. G.
PRESTON—Popple & Cummings
RED WING—*§Hjermstad J. M., 207 Main
*Red Wing Motor Co. (Gas & Gasoline Engines)
REDWOOD FALLS—*Japs Frank A.
ROBBINSDALE—*Pearson E. Martin (Mailing Machines)
ROCHESTER—Marquardt & Ormond
†*Rochester Iron Wks
ST. CLOUD—*†§Granite City Iron Works Co. (Stone Working Machy.)
*†St. Cloud Iron Works Co.
ST. LOUIS PARK—*†Martin Mfg. Co. (Grinding Mills)
*†§Monitor Drill Co. (Grain Drills, etc.)
ST. PAUL—*†§American Hoist & Derrick Co. (Contractors' & Quarrymen's Machy & Tools)
*Anderson Co. (Agricultural Implts.), 2324 University av
*Auto Engine Works (Auto Engines), University & Griggs
*Borreson Mfg. Co.
Chicago House Wrecking Co. of Minn., Inc., 803 Fillmore
*Dahlquist Machinery Co. (Elevator Bldrs., etc.), 240 S Exchange
*Erickson John E., Fillmore av & Walter
*†§Griffin Wheel Co. (See Chicago, Ill.)
*Heck G. J.
*Helwig Mfg. Co. ("Helwig" Pneumatic Tools, etc.)
†§Herzog Iron Works (Ornamental & Structural Steel Work, etc.)
*Joesting & Schilling Co. (Steel Ranges, etc), 379 Sibley
*Johnson C. I. Mfg. Co. (Printers')
*†Johnson W. V. Foundry
*Lee & Hoff Mfg. Co. (Elevators & Machine Work), 65 Water
*Minn. Chandelier Co., 369 Jackson
*New Liberty Washing Machine Co. (Agricultural Impl. Washing Machines, etc.)
†Northern Malleable Iron Co. (Malleable Iron Castings), Wells & Forest
*Northwestern Bedding & Mfg. Co., Wycliff N W cor Bradford
*§Northwestern Copper & Brass Wks., 59 W 3d
*†§Orme's Henry Sons (Foundry, etc.)
§St. Paul Brass Foundry Co., 2d & Minnesota
*†ST. PAUL FOUNDRY CO. (Steel Structures & Buildings, also Builders' & Railroad Castings, etc.), Como av & Mackubin.
See adv index at end of book
*St. Paul Machine Works (Machinists), 123 W 3d
*St. Paul Machinery Mfg. Co. (Woodworking Machy., etc.), Como & Marion
St. Paul Welding & Mfg. Co., 173 W 3d
*†South Park Foundry & Machine Co. (Radiators, etc.)
*†Standard Conveyor Co.
See adv index at end of book

(Continued on following page.)

Machinists & Founders—Continued

MINNESOTA—ST. PAUL—Continued
†§•Twin City Iron & Wire Co. (Brass & Iron Fndrs.), 25 W Water
§•Twin City Lines
•§Union Brass & Metal Mfg. Co. (Plumbers' Brass Goods), Lawson & Mackubin
†Valley Iron Works (Iron Fdrs., etc.)
•Waterous Engine Works Co. (Auto Fire Engines), 62 Robert
•Western Mach. Mfg. Co., 443 Rosabel
•§Wolterstorff Range Co. (Steel Ranges, Furnaces, etc.), 66 E 3d
ST. PETER—†Bornemann Adolph (Grey Iron Castings)
SHAKOPEE — †Minnesota Stove Co. (Stoves)
†§Shakopee Stove Wks.
SOUTH PARK—•†§South Park Foundry & Machine Co. (See St. Paul)
SPRING VALLEY—•Enterprise Machine Works
Henderson Chas.
STILLWATER—•Atwood-Jones Mfg. Co.
†Dailey L. W. Stove Wks. (Stoves)
•†Jesse Aug. (Fdry., etc.)
•†§Swain D. M. (Foundry & Machinists)
THIEF RIVER FALLS—†•Thief River Falls Iron Wks.
TWO HARBORS—†§•Duluth & Iron Range Ry. Fdy.
VIRGINIA—•§Virginia Foundry & Machine Co. (Steam Pumps & Brass & Grey Iron Castings)
WADENA—•†§Gehr H. W.
WARREN—•†Warren Machine & Iron Works Co.
WASECA—•Lang & Cochran
WINONA—•Baldwin Bros. (Hand Fire Engines)
•†New Winona Mfg. Co. (Feed Mills, Corn Shellers, etc.)
•Phenix Iron Works (Machinists)
•Pioneer Tractor Mfg. Co. (Traction Engines, etc.)
•Winona Machine & Boat Works (Gasoline Engines, Motor Boats, etc.)
•†§Winona Machine & Foundry Co.
•Winona Motor Co. (Boat Engines)

MISSISSIPPI.

BOLTON—•Birdsong Mason (Machinist)
BROOKHAVEN—†§•Arrington Fdy & Mach. Co.
COLDWATER—•Perry A. G. Plow Co. (Agrl. Implts.)
COLUMBUS—•†Jacobs F. M.
CORINTH—•†§Adams W. T. Machine Co. (Saw Mill Machy., Engines, etc.)
•†§Corinth Machinery Co.
GREENVILLE—•Berry H. N.
GULFPORT—•†§Dantzler Foundry & Machine Works
•Smith W. R.
HATTIESBURG—•†§Enterprise Foundry & Machine Co.
•†Komp Machy. Co. (Fdry. & Machinist)
HAZLEHURST—•Hazlehurst Machine Shop (Inc.)
JACKSON—•McDonnell Foundry & Machine Co. (Repair Work)
LAUREL—•†§Laurel Machine & Foundry Co.
MERIDIAN—†§Marty Foundry Co.
•†§Soule Steam Feed Works (Saw Mill Machy.)
MOSS POINT—•†§Blumer Adam
NATCHEZ—•†§Shaw C. P. & Co.
VICKSBURG—•Dutton & Jones Fdry. & Machine Wks.
†§•Robinson B. J.
†§Tickell Jos. & Son
WATERVALLEY—•†§Hendricks Wm. M.
WEST POINT—•Bentley F. A.

MISSOURI.

AURORA—†§•United Iron Wks. Co.
CALIFORNIA—•California Machine Wks
CAPE GIRARDEAU—•Eribacher B.
†§•Cape Fdy. & Mach. Co.
CARROLLTON—•Heins Daniel
•Heins W. F. (Pumps)
CARTERVILLE—•†§Webb City & Carterville Foundry & Machine Works
CARTHAGE—•†§Carthage Foundry & Machine Works
•†§Standard Machine Mfg. Co. (Well Drills)
CHILLICOTHE—•†§Chillicothe Iron Co.
•Jenkins Hay Rake & Stacked Co.
CLARKSVILLE—•†§Fletcher W. A.
CLINTON—•†Industrial Iron Works (Brass Castings)
COLUMBIA—•Vannatta A. L. (Stoves, etc.)
CRYSTAL CITY — •†§Pittsburgh Plate Glass Co. (See Pittsburgh, Pa.)
ELDON—Vanesdell Clark
FREDERICKTOWN—•†§Littleton T. R. & Son
GARDEN CITY—•†§Kauffman J. L.
HANNIBAL—†Dildine Bridge & Iron Co.
†§Duffy-Trowbridge Stove Mfg. Co., (Stoves)
†Hannibal Car Wheel & Foundry Co.
•Worrell S. E. (Drying Machines)
HARRISONVILLE —†§•Gwathmey Mfg. Co., Inc.
•†Sharp A. J. & Co. (Machinist & Foundry)
HIGGINSVILLE—•†§Raasch G. A.
HUNTSVILLE—†Fleming & Sons Mfg. Co. (Rakes & Hay Stackers)
INDEPENDENCE—•†American Scale Co. (Scales, etc.)
†•Faultless Engine Co.
•Independence Stove & Furnace Co.
JEFFERSON CITY—•Star Dynamo Wks. (Dynamos & Motors)
•†§Tanner Bros.
•† Vetter H. J.
JONESBURG—•Godfrey H. M. (Plows)
JOPLIN—†Central Foundry Co.
§•Joplin Brass & Metal Co.
•†§Joplin Foundry Co.
•†Rogers Foundry & Mfg. Co.
•†§United Iron Works Co. (See Kansas City)
•†§Webb City & Carterville Foundry & Machine Works (See Webb City)
KANSAS CITY—•†American Radiator Co.
•†American Scale Co. (Iron Founders, Scales, etc.)
•†Auto Fedan Hay Press Co., Frisco Tracks & Washington
Baird Pneumatic Tool Co., 432 Rialto bldg
•Bauer Machine Works Co. (Gas & Gasoline Engines), 2326 Harrison
•Cameragraph Co., 411 E 8th
§Central Brass Works Co.
•Chandler Pump & Supply Co., 933 W 8th
•City Boiler & Machine Co. (Boilers Repaired & Gen'l Machine Work), 511 W 4th
•Demster W. R., 1735 Locust
•Economy Lamp Co., 1701 Washington
•Economy Welding Machine Co.
†English Tool & Supply Co.
†Enterprise Foundry Co (Grey Iron Castings), 2826
Great Western Mfg. Co., 1400 W 12th
•Harbison Mfg. Co. (Implt Supplies, etc.), 1001 Mulberry
•†Harrigan Safe Co., 917 B'way
•Hervey Machine Works (Special Machinery), 209 Oaks
•Kansas City Elevator Mfg. Co. (Dumb Waiters, Elevators, Hoists, etc.), S E cor 26th & Madison
•†Kansas City Hay Press Co. (Hay Presses, Feed Mills, Haying Tools, etc), Foot of 4th st viaduct
•Kansas City Machine Works (Machinists)
•†Kansas City Structural Steel Co. (Structural Steel Work), 114 W 10th
†Kansas City Wire & Iron Works (Structural Iron Work, etc.)
•Koch Butchers' Supply Co., 519 Wyandotte
•Mathews Hugh (Cylinder Boring Bars, etc), 433 W 5th
•§Prier Brass Mfg. Co. (Plumbers' Brass Goods, etc), 15th & Blue River
†Pugh Foundry Co. (Iron Founders)
†Rogers Metal Work, 2123 Jefferson
Salter Motor Mfg. Co., 1516 Oakland av
• Saunders & Co., 1700 Brooklyn av
•†§Smith & Son Mfg. Co. (Plows, Hay Presses, Rakes, etc)
•Tilk Frank Ornamental Iron Wks. Co. 1722 Tracey
•Triumph Mfg. Co., 500 Delaware
•†§United Iron Works, Inc. (Ice Making, Mining & Cement Machinery), Builders' & other Iron Castings
•Vogl Tool Co. (Stonecutters' Tools, etc.), 912 E 19th
†•Witte Engine Wks.
KENNETT—•†Kennett Engine & Boiler Works
KIRKSVILLE—•†§Sherwood W. L.
KNOBNOSTER—•Hunter A. J.
LEXINGTON—•Taubman Charles
LINNEUS—•†Superior Hay Stacker Mfg. Co. (Hay Stackers, etc.)
MARYVILLE—•†§Armstrong Wm.
MILAN—•Sevier J. D. Son
MOBERLY—†•Moberly Fdy & Mach. Co.
NEOSHO—•†§Neosho Foundry & Plow Works (Plows, etc.)
ORONOGO—•Oronogo Machinery Co.
PLEASANT HILL—†•Am. Scale Co.
POPLAR BLUFF—•†§Holcomb W. A.
ST. CHARLES—•†§American Car & Fdry. Co. (Cars, etc.) (See St. Louis)
Leistner & Sons Mfg. Co.
†§St. Mary's Oil Engine Co.
ST. JOSEPH—•Acme Machine Co. (Machinists)
•†Berry Iron & Steel Co. (Iron Founders' and Builders' Iron Works)
Bichler Mfg. Co.
•Bielhen Foundry & Machine Works
•Hammond Packing Co., (Grey Iron Castings, Lamp Posts, etc.)
•Jamieson Machine Co. (Machy. etc.)
†Phoenix Foundry & Mfg. Co.
•Specialty Shoe Machy Co.
•Swift & Co.
•Voltz Mfg. Co., 914 Penn.
ST. LOUIS—•Acme Machine Works (Cut Gears, etc.), 1500 N 18th
•Adam Frank Electric Co. (Electric Goods), 904 Pine
•Alsop Process Co. (Special Cofton Machinery)
•†American Bed Co. (Iron Bedsteads), 1820 McNulty
•American Brake Co. (Car Brakes & Specialties), 1932 N Broadway
•American Car Co. (Electric Cars, etc.) 1518 S. Vandeventer av
•†§American Car & Foundry Co. (Cars, Car Wheels, Cast Iron Pipe, Grey & Malleable Iron Castings, etc.), Syndicate Trust Bldg.
•†§American Foundry & Mfg. Co. (Water, Gas & Plumbers' Goods, Hardware, etc.)
American Pulverizer Co. (Pulverizing Machinery, etc.), 1729 Austin
•†§American Stove Co. (Stoves), 827 Chouteau av
•Ball Phil De C. (Ice Machines), Security bldg
†Banner Iron Works (Grey Iron Castings & Builders' Iron Works)
•Barry-Wehmiller Machy. Co. (Botlers' Machy., etc.)
Brascolite Co., Jefferson & Washington av
•Brauer A. G. Supply Co. (Stove Repairs, etc.), 316 N 3d
•Brecht Co. (Packing House Machy. etc.), 1201 Cass av
•§Bridge & Beach Mfg. Co. (Stoves), Union & Brown
•Brockman J. R. Mfg. Co. (Steam Fitters' Tools & Supplies, etc.), 617 N 2d
•†§Buck's Stove & Range Co. (Stoves, etc.), 3500 N 2d
•†Busch-Sulzer Bros.-Diesel Engine Co. (Oil Engines), 3300 S 2nd
•†Cahill-Swift Mfg. Co. (Plumbers' Supplies & Brass Goods), 1112 Market
†Carondelet Foundry Co. (Iron Fdrs.), 2101 Kingshighway blvd
•Century Electric Co. (Electric Motors) 19th & Pine
•Champion Shoe Machinery Co. (Shoe Machinery), 3727 Forest Park blvd
Chapman P. E. Electrical Wks. (Armature Winding Machines), 10th & Walnut
†§Charter Oak Stove & Range Co. Stoves, etc.), Antelope & Conduit
†Christopher & Simpson Iron Works Co. (Iron Fdrs. of Bldrs.' Iron Work)
•Clemens John (Iron Work), 1922 S 7th
•Clyne R. G. Engineering Co., 12th & Tyler
†Commercial Fdy. Co., Ala. & Primm
•Commonwealth Steel Co. (Steel Castings, Car Trucks, etc.), Pierce bldg
•Copper Clad Malleable Range Co. (Stoves & Ranges), Wainwright bldg
Crescent Tool Mfg. Co. (Dies, Tools), 1002 Cass av
•Crowder Bros., 2018 Locust
•†§Curtis & Co. Mfg. Co. (Saws & Clutch Discs, Air Compressors, etc.), 1571 Kienlen av
•Decker Moulding & Mfg. Co., 800 Mound
•Diagraph Co. (Stencil Cutting Machines), 2121 N 9th
•†Ellison Wm. & Sons Mfg. Co. (Coal Mining Machinery, etc.)
•Emerson Electric Mfg. Co. (Electric Fans & Specialties, etc.)
•Essmueller Mill Furnishing Co.
§Eureka Brass Co., 601 Red Bud av
†•Excelsior Tool & Mach. Co.
•Fernholtz Brick Machinery Co. (Brick Press Machines)
•Fisher & Davis (Excelsior & Woodworking Machy., etc.), 934 N 1st
•†Foster Bros. Mfg. Co. (Iron Beds, etc.)
•†Fritz Geo. J. Foundry & Machine Co. (Engines, Boilers, Machy. Fdrs., etc.), 2018 S 3rd
Fulton Iron Works Co. (Cane Sugar Machinery), 1259 Delaware av
General Engineering & Mfg. Co., 1519 S 10th
•Geraghty Bros. Elevator Co. (Elevators, etc.), 416 S 6th
•†Gerst Bros. Mfg. Co. (Iron Fdrs. & Bldrs. Iron Works), 800 Cass av
•§Gilbert A. & Sons Brass Foundry Co. (Car & Engine Brasses, etc.)
•Gravois Machine Shop Co. (Jobbers), 712 N 10th
†Green's Car Wheel Mfg. Co., 3000 N B'way
•†Hager C. & Sons Hinge Mfg. Co.
•Hall & Brown Woodworking Machine Co. (Woodworking Machinery), 1911 N B'way
•†Heinz C. Stove Co. (Stoves, Ranges, etc.), 100 N 2d
§Hewitt Mfg. Co. (Journal Bearings, etc.)
•House Cold Tire Setter Co. (Tire Setters, etc.), 4143 Laclede
•Ice & Cold Machinery Co. (Refrigerating Machinery & Supplies), 3003 N B'way
•Inland Machine Wks. (Dies, Jigs & Fixtures & Special Machinery, 17th & Locust
•Jacob Robt. Engine & Machine Co. 211 Chouteau av
•†Kaysing Iron & Foundry Co., 2710 N 25th
†Kilpatrick A. & Sons Foundry Co. (Castings, Kettles, etc.), Carrie & Bulwer av
•Knight W. B. Machinery Co. (Drilling Machines), 3920 W Pine blvd
•§Kraushaar Brass Mfg. Co. (Gas & Electric Fixtures), 919 Pine

§Kupferle Bros. Mfg. Co. (Brass Fdrs. & Machinists), 600 N 2d
•†Kupferle Jno. C. Foundry Co. (Plumbers' Specialties), 1st & Wright
§Laclede Brass Works, 307 Cedar
•Laclede Iron Works (Jobbing), 1547 N 9th
•Landis Machine Co. (Sewing Machines, etc.), 25th & Mullamphy
•§Lasar Mfg. Co., 1313 N 16th
•Lehmann Mach. Co., 3560 Chouteau
†Liberty Foundry Co. (Grey Iron Castings), 7600 Vulcan
•†Ludlow-Saylor Wire Co., Newstead av, cor Wabash R. R.
§Magnus Co., Inc.
•Maier Wm. (Jobbing), 2720 N 13th
•†Majestic Mfg. Co. (Steel & Malleable Iron Ranges, etc., 2014 Morgan
•Mechanics Iron Works, 901 S Ewing av
•†Medart Co. (Iron Fdrs. & Machinists, Power Transmitting Machinery), 3500 De Kalb
See adv index at end of book
•§Messmer Fred. Mfg. Co. (Gears, Brass Fdrs., etc.), 2700 S 7th
•§Missouri Brass Type Fdry. Co., 1620 W 22d
•†Missouri Bridge & Iron Co., Fullerton bldg.
•Missouri Engine Co.
†Missouri Iron Co., International bldg.
•Missouri Lamp & Mfg. Co. (Fire Extinguishers), 114 Elm
Modern Brass Fdy.
•†Modern Engng. Co., 3411 Pine
More-Jones Brass & Metal Co. (Babbitt Metal Car Brasses & Misc. Castings, etc.), B'way & Dock
•Moloney Electric Co. (Transformers), 78 Hickory
•Mound Tool Co., 1203 S 7th
•§Nelson N. O. Mfg. Co. (Plumbers' Specialties, etc.), 10th & Chestnut
§Northwestern Brass, Bronze & Aluminum Fdy.
§Northwestern Brass Wks., 2019 N B'way
•Pan Electric Mfg. Co., 735 S. 4th
†Pavyer Printing Machine Works, Broadway & Poplar
Perfection Mfg. Co., 2701 N Leffingwell av, Dept H
•Progress Press Brick & Machine Co. (Brick Machinery, etc.)
§•Quick Meal Stove Co.
•Ramming John Machine Co., 300 S. Main
•†Ruemmeli-Dawley Mfg. Co. (Ice & Refrigerating Machy., etc.), 3900 Chouteau av
•†Rumsey L. M. Mfg. Co.
†St. Louis Architectural Iron Co., Lesperance & De Kall
†St. Louis Axle Co. (Axles, Grey Iron Castings, etc), 2626 La Salle W of Jefferson
§St. Louis Bell Foundry (Bells, etc.), 2735 Lyon
•St. Louis Boat & Engine Co.. Bank of Commerce bldg.
•§St. Louis Brass Mfg. Co. (Brass Fdrs. & Finishers), 2613 Washington av
•†§St. Louis Car Co. (Car Builders, Brass & Iron Castings, etc.), 8000 N B'way
•St. Louis Fire Door Co., 1134 S. 6th
•St. Louis Frog & Switch Co., Chemical bldg.
•†St. Louis Iron & Machine Works Corliss Engines, etc.), 126 Chouteau av
§•St. Louis Lightning Rod Co., De Kalb & Trudeau
•St. Louis Machine Tool Co., 922H Loughborough
•†St. Louis Malleable Casting Co., 7700 N. B'way, Dept H
†St. Louis Steel Foundry (Manganese Steel Castings), Hamburger & Kienlen av
•St. Louis Wire & Iron Co.
•Schmidt Wm. F. & Co., 3149 Texas
•Schoelhorn-Albrecht Machine Co. (Machinists), 721 N 2nd
•Schurk Iron Works, 20 S Cardinal
•†Scullin Steel Co. (Open-Hearth Steel Castings, etc.)
Skinner Bros. Mfg. Co., 10th & Tyler
•§Smith & Davis Mfg. Co. (Iron & Brass Bedsteads), Smith & Locust S Broadway
†Southern Wheel Co. (Car Wheels), Railway Exch. bldg
•†Spuck Iron & Foundry Co. (Iron Fdrs.)
•Steiner Mfg. Co. (Electric Motors, Coffee Mills, etc.), 4100 N 21st
§Stuckstede H. Bell Foundry Co. (Bell & Brass Fdrs.), 1312 S 12th
•Stupp Bros. Bridge & Iron Co., H Frisco bldg
•§Superior Brass & Mfg. Co., 106 S 8th
•Swaine Fred J. Mfg. Co. (Machine Tools, etc.), 2nd & O'Fallon
•Teuscher & Son Machy. Supply Co., 801 N 2nd
†Tower Grove Foundry Co., 4444 Hunt av
•Turley H. G. (Cut Gears)
•Universal Heater Mfg. Co., 1000-02 N Vanderventer av
•Valley Electric Co., 3157H S. Kingshighway
•Victor Iron Works, 7th & Victor
•Victor Machine Works
•†Wagner Electric Mfg. Co. (Dynamos Motors, etc), 6400 Plymouth av
•†Warren Steel Casting Co., 3400H Maury
•Wenger Geo. Machinery & Supplies Mfg. Co. (Machinery & Castings, etc.,)
•§West St. Louis Machine & Tool Co., 606 Vandeventer
†Western Foundry & Sash Weight Co. Grey Iron Castings). 2nd & Miller
•Western Screw Products Co., 19 St. George
Williams Patent Crusher & Pulverizer Co., 707 Montgomery
•Wissler Instrument Works (Engineers' Instruments, etc.), 601 N Broadway
•Wrought Iron Range Co. (Ranges, etc.), 5661 Natural Bridge ave
•Wurdack Wm Elec. Mfg. Co., 21 S. 11th
•Ziegler Robt. & Sons (Printing Presses, Bookbinders' Machinery, etc), 208 Vine

SALISBURY—•Roling J. F.
SAVANNAH—•†§Schuyler W. S. (Gas Stoves, etc.)
SEDALIA—•Barley Thos. K. (Agrl. Implements, Harrows, Haying Tools, etc)
•Ritter Richard H.
•†§Sedalia Foundry & Machine Works
•†Wells. Geo.
SEYMOUR—•†Freeman L. D.
§•Freeman Fdy. & Mach. Wks.
SPRINGFIELD—•†§New Phoenix Foundry & Machine Co.
•Schmook H. B.
†Silsby Stove & Queensware Co. (Stoves, etc.)
•†§United Iron Works Co.
•†Woods-Evertz Stove Co. (Stove Mfrs.)
TARKIO—†§•Gallaway Wm. Co.
UNIONVILLE—•†§Stalcup Machine Shop & Garage
VALLEY PARK—•Barbour Boat & Pattern Co.
†Wilson Stove & Mfg. Co. (Sheet Iron Stoves)
WEBB CITY—•†§Webb City & Carterville Foundry & Machine Works (Mining Machinery & Grey Iron Castings)
WEST PLAINS—•Summers W. L.

MONTANA.

ANACONDA—•†§Anaconda Copper Mining Co.
BILLINGS—†§•Great Western Sugar Co.
•†§Midland Iron Works
BUTTE—•†Anaconda Copper Mining Co
•Butte Machinery Co.
•†Montana Iron Works
•†§Western Iron Works
GREAT FALLS—•§Anaconda Copper Mining Co.
•†§Great Falls Iron Works (Fdrs. & Machinists)
†§Riverside Fdry.
HELENA — •†§Caird Engineering Works (Stamp Mills & Castings, etc.)
•†§Western Foundry & Machine Works

NEBRASKA.

BEATRICE—•†§Beatrice Iron Works
•†§Dempster Mill Mfg. Co. (Cultivators, Grain Drills, etc.)
•Kees F. D. Mfg. Co.
CENTRAL CITY—•Jensen P. C.
DAVID CITY—•Barker Mfg. Co. (Garden Weeders, etc.)
FAIRBURY—•†§Simpson John
FREMONT—•†§Fremont Fdry. & Machine Co.
HASTINGS—•†§Hastings Fdry. & Iron Works (General Foundry & Machine Work)
§•Rose J. A. Mfg. Co.
HILDRETH—•†§Hildreth Iron Works
HOLDREDGE—•†§Hultquist Bros.
KEARNEY—Bolte Mfg. Co.
•†§Kearney Foundry Machine & Auto Co.
LINCOLN—•†Cushman Motor Works (Engines & Motors, Gasoline)
•†§Hedges C. E.
McAlpine A.
Plattner-Yale Mfg. Co.
•Ress W. N. (Machinist)
NEBRASKA CITY—•†King Drill Mfg. Co.
NORFOLK—•Bergstrom A. B.
•Square Turn Tractor Co.
•Baker Ice Machine Co. (Ice Machines)
•Briggs Pump Co.
•Case J. I. Plow Works
†§Champion Iron & Wire Works
•Davis Joseph S.
•†Jubilee Mfg. Co. (Sad Irons, etc.)
•Melchoirs Peter & Son Machine Wks. (Machinist)
•Nebraska & Iowa Steel Tank Co.
•Omaha Electrical Works
•Omaha Folding Machine Co. (Paper Folding Machines, etc.)
†Omaha Foundry Co.
†Omaha General Iron Works
†Omaha Stove Repair Works
•Omaha Steel Works
†§•Paxton-Mitchell Co.
•†§Paxton & Vierling Iron Works (Iron Fdrs. & Builders' Iron Work)
•Sunderland Machinery & Supply Co.
†§Wearne Bros. (Iron Fdrs.)
†Western Iron & Wire Works
•Western Rock Island Plow Co.
OMAHA—•†§American Smelting & Refining Co. (see N. Y. City)
PLATTSMOUTH—Sharp L. C. Mfg. Co.
RALSTON—†Howard Stove Co.
YORK—†•York Fdy. & Engine Wks.

NEVADA.

RENO—•†§Nevada Engineering & Supply Co.
TONOPAH—†§•Campbell & Kelly, Inc.

NEW HAMPSHIRE.

BERLIN—•†§Berlin Foundry & Machine Co.
†§•Cross Ezra M. Machine Co.
CHESHAM—•Russell Edward G.
CLAREMONT — •Sullivan Machinery Co. (Diamond Drills, etc.)
CONCORD—•†Concord Foundry & Machine Co.
•Cushman Electric Co. (Electric Motors, etc.)
†Ford Foundry Co. (Stoves)
†§Ford & Kimball (Brass & Iron Fdrs.)
Matson Machine Co. (Metal Cutting Off Machines)
CONTOOCOOK—•Kingsbury & Davis Machine Co. (Paper Box Machy.)
DOVER—•Davis Herbert M. (Machinist)
•†§Kidder Press Co. (Printing Presses, etc.)
•National Woodworking Machine Co.
EAST CONCORD—•§Badger Franklin L.
•Eastman Samuel Co. (Nozzles, etc.)
EXETER—•§Exeter Brass Works (Plumbing Specialties & Brass Fdrs.)
•Lane G. W. & C. A. (Grinding Mills, etc.)
FRANKLIN—•Acme Knitting Machine & Needle Co. (Knitting Machines.)
†§Beaupre Bros.
•Griffin G. W. Co. (Woodworking Machinery, Jig Saws, etc.)
HINSDALE—•Granite State Mowing Machine Co. (Lawn Mowers & Trimmers)
•Holman Jason R.
†Tilden Frank W. (Iron Fdry.)
KEENE—•Sargent Geo. W.
LACONIA—•†Esty Sprinkler Co. (Mach. & Fdry. & Fire Extinguishers)
•Huse Warren D. & Sons (Knitting Machinery)
•†§Laconia Car Co. (See Boston, Mass.)
•†McGloughlin Iron & Brass Fdry. Co.
§Wood Colvin
LAKEPORT—•Bickford H. & Co. (Machine Tools)
•Crane Mfg. Co. (Knitting Machines)
•McDuff Wm. J. (Marine Stationary Engines)
LANCASTER—•†Thompson Mfg. Co.
LEBANON—•Kendrick-Davis Co. (Watchmakers' Tools and Electrical Specialties)
MANCHESTER—•†§Amoskeag Mfg. Co.
•Corey Wm. Co. (Knitting Machines, Needles, etc.)
•Lacene Mfg. Co. (Shoe Machy.)
•Leighton Machine Co. (Knitting Machinery)
NASHUA—•American Shearer Mfg. Co. (Sheep Shearing Tools, etc.)
Bartlett Edwin E. (Bench Planers, Arbor Presses, etc.), 41 Crown
•Flather & Co. (Machine Tools, etc.)
†Flather Foundry Co. (Iron Fdrs.)
•Flather Mfg. Co. (Gear Cutting Machines & Machine Tools)
•†§Highton Wm. & Sons Co. (Warm Air Registers & Aluminum, Brass, Bronze & Grey Iron Castings)
•Improved Paper Machinery Co. (Paper & Pulp Mill Machy.)
•International Paper Box Machine Co. (Paper Box Machy.)
†Nashua Co-Operative Iron Foundry Co.
•Nashua Machine Co. (Machinists)
Nashua Saddlery Hdwe. Co.
•Nashua Steam Press & Boiler Wks. (Power Cloth Presses)
•Rollins Engine Co. (Engines, etc.)
†White Mountain Freezer Co. (Ice Cream Freezers, Light & Heavy Grey Iron Castings, etc.)
NEWFIELDS—†Newfields Iron Fdry.
PENACOOK—•†Concord Axle Co. (Stone Polishing Machy., Axles, Brass Castings, etc.)
§Hoyt Electric Instrument Works (Electrical Instruments)
PETERBORO—•White's Sam'l G. Sons
PORTSMOUTH—•Chadwick & Trefethen (Expanding Reamers, etc.)
†Portsmouth Foundry Co.
ROCHESTER—•†Furnald John C.
•†§Rochester Foundry & Machine Works.
SALMON FALLS—†Somersworth Foundry Co. (Stoves, Ranges, etc.)
SOMERSWORTH—•Brackett, Shaw & Lunt Co. (Gasoline Engines, etc.)
UNION—•§Hamlin E. F. Brass Co.

NEW JERSEY

ALDENE—§•Watson, Stillman Co.
AMPERE—•Crocker-Wheeler Co. (Electric Machy.)
ARLINGTON—•§Lovell F. H. & Co. (Brass & Copper Goods)
•Stiles T. George Co. (R. R. Appliances)

(Continued on following page)

Machinists & Founders—Continued

NEW JERSEY—Continued

ATLANTIC CITY—*Seashore Machine Wks
BARTLEY—*†Bartley R. C. Co. (Steam Heaters)
*†§Bartley Wm. & Sons (Saw Mill Machy.)
BAYONNE—†§Am. Radiator Co.
*§Bayonne Steel Casting Co. (Steel Castings, etc.)
§Bergen Point Brass Fdry.
*Bergen Point Iron Works (Coal & Ore Handling Machinery)
*†Cox & Sons Co. (Steam Engines, Pipe Cutting & Threading Machines), Water & Hampton
†Clark's Iron Foundry
Elco Co. (Gas Engines, Launches, etc.)
***Electric Launch Co. (Gas Engines, Launches, etc.)**
***Electro-Dynamic Co. (Motors)**
*Knickerbocker Metallic Bed Co.
*Safety Insulated Wire & Cable Co. (See New York)
BELFORD—*Walling Luther
BELLEVILLE—§Delaney Edward
*Dickinson C. W. Jr.
*§Eastwood Wire Mfg. Co. (Iron, Brass & Bronze Castings, Special Machinery, etc.)
*Hoppen J. E. & Sons, 78 Main
See adv index at end of book
Thomson Machine Co. (Bakers, etc.)
BLOOMFIELD.—*Baylis Co. (Carbon Brushes, Gas Regulators, etc.)
*Eastern Tool & Mfg. Co., Bloomfield av
*Empire Cream Separator Co. (Cream Separators)
*§Jenkins Mfg. Co. (Brass & Composition Castings of All Kinds & Plumbers' Brass Goods, etc.)
*Rogers O. A.
***White Ira F. & Son Co.**
BOONTON—*Van Duyne Orlin S.
*Whitehead Oscar P.
BORDENTOWN—*†Riverview Iron Works
*Swift Geo. W., Jr. (Paper Box, Envelope & Special Machinery)
BOUND BROOK—*†§Timmis & Clissold
Watson Bros. Machine Co.
BRIDGETON—†Barker Wm.
*§Bridgeton Chandelier Co.
***†Cox & Sons Co. (Engines & Heating Apparatus)**
*§Crescent Art Metal Co.
***Ferracute Machine Co. (Sheet Metal Working Machinery, etc)**
*Hettinger Engine Co. (Gas & Gasoline Engines, etc.)
BURLINGTON—*†§Devlin Thos. Mfg. Co. **(See Philadelphia, Pa.)**
†Lindsay John C. & Co.
*†Stuart & Peterson Co. (Enameled Iron Ware, etc.)
*†U. S. Cast Iron Pipe & Fdry. Co. (Cast Iron Pipe.)
CAMDEN—*Acme Staple Co, Ltd. (Staple Machines)
*†Blair Mfg. Co. (Machinists' Tools)
†Camden Forge Co.
*†Camden Foundry Co.
*†Camden Iron Works (Pumping Machinery, etc.)
***Esterbrook Steel Pen Mfg. Co. (Steel Pens)**
*Frand Martin J. & Co.
*Hunt C. Howard Pen Co. (Steel Pens)
*Industrial Mfg. Co. (Sewing Machines)
*Lambert & Todd Machine Co.
*Langston Sam'l M. Co. (Paper, Corrugated & Spiral Boxes), 6th & Jefferson
Mathis John H. Co. (Ship Builders)
*New Jersey Wire Stitching Machine Co.
*New York Shipbuilding Co. (Iron & Steel Ship Builders)
***Noecker & Ake Shipbuilding Co**
*Phoenix Meter Co. (Gas Meters & Appliances)
*Quigley & Dorp (Machinists & Ship Builders)
*Smith & Sinclair Machine Co. (Machinists)
*†Southwark Scale Co. (Scales, etc.)
*Victor Talking Machine Co. (Talking Machines)
CARLSTADT—§Klaber S. & Co. (Bronze Founders)
CARTERET—*†§Wheeler Condenser & Engineering Co. (Pump Condensers)
CHROME—*†Chrome Steel Works (Chrome Steel & Specialties)
†§U. S. Metals Refining Co.
DOVER—*Dover Boiler Works (Steel Plate Work of All Kinds)
See adv index at end of book
*McKiernan-Terry Drill Co. (See New York City)
*†Richardson & Boynton Co. (Stoves) (See New York City)
§Ulster Iron Works
DUNELLEN—*†§Hall Printing Press Co. (Printing Presses, etc.)
Ransome Concrete Machinery Co.
EAST NEWARK—*†§Hewitt John (Iron, Brass & Aluminum Castings)
EAST ORANGE—*Collinson Joshua
*Simms Magneto Co. (Carbureters)
*†§Smith A. P. Mfg. Co. (Brass & Iron Founders, Tappings Machines, Pipe Cutting Machines, etc.)
EAST TRENTON—De Laval Steam Turbine Co. (Steam Turbines)
See adv index at end of book
ELIZABETH—*American Gas Furnace Co.
*American Swiss File & Tool Co., 410 Trumbull
***Braunsdorf-Mueller Co. (Tools, etc.)**
*†Brown A. & F. Co. (See New York City)
Diehl Mfg. Co. (Generators and Motors)
*†§Hitchings & Co., Dept. H, Spring
*†Moore Bros. Co. (High Grade Grey Iron Castings & Machine Work)
*†§Singer Mfg. Co. (See New York City)
†United States Grate Bar Co.
ELMER—Charlesworth G. A. (Millwright & Machinist)
*Wolbert Chas. W. (Millwright, etc.)
FLEMINGTON—*†§Foran Fdry. & Mfg. Co.
FLORENCE—*†§Florence Iron Works (See Phila., Pa.)
FREEHOLD—*†Bawden J. H. & Co.
***Stokes Bros. Mfg. Co. (Rasps, Files, etc.)**
GARFIELD—*De Mattia Bros.
GARWOOD—†Aluminum Die Casting Corp.
*Bell Electric Motor Co.
Continuous Rolling Mills, Inc.
*Hall Switch & Signal Co. (RR Signals, etc.)
GLASSBORO—*†Carnell Wm. & Son
GLOUCESTER CITY—*†Pusey & Jones Co. (Shipbuilders, etc), Pennsylvania & New Jersey Yards
*†Rogers John M. Works (Machinists' Fine Tools, etc)
GRENLOCH—*†§Bateman Mfg. Co. (Agri. Implements & Light Grey Iron Castings)
GUTTENBERG—Lutz Co.
HACKETTSTOWN—*†§American Sawmill Machinery Co. (Saw Mill Machinery, etc.)
†§Bowers M. B.
†§Torrid Heater Co.
HADDONFIELD—†Reeves S. V. (Stoves, etc.)
HAINESPORT—*†Johnson J. D. Co. (Cast Iron Soil Pipe & Plumbers' Castings). (See Brooklyn, N. Y.)
HARRISON—§Allan A. & Son (Brass Fdrs), 6th & Bergen
***CAVAGNARO JOHN J.** (Macaroni, Silk Finishing, Embossing, Celluloid Filter Presses, etc.)
Edison Lamp Works
*General Electric Co.
*Hyatt Roller Bearing Co.
Hall Mfg. Co. (Engineers' Specialties)
*National Hoisting Engine Co. (Hoisting Engines, etc.), 325 Manor av
See adv index at end of book
§Osborne, J. K. Mfg. Co.
†*Otis Elevator Co.
†Reuther Bros.
*†§Shriver T. & Co. (Cranes, Presses, Sugar Machinery, etc)
*T. C. M. Mfg. Co.
***†§Worthington Pump & Machinery Corp.**
HIGH BRIDGE—*Manganese Steel Safe Co. (Manganese Steel Vaults & Safes). Works, Plainfield, N. J.
*Taylor-Wharton Iron & Steel Co.
HIGHTSTOWN—*†Peppler Thomas (Agri. Implements)
*Wyckoff Bros.
HOBOKEN—*Autographic Register Co.
*Buchholtz Carl Co. (Wrought Iron & Brass)
*Consolidated Iron Works (Engines, Machy., etc.)
*†§Elevator Supplies Co. (Brass & Iron Castings)
*†Ferguson F. & Son (Grate Bars, Propeller Wheels, Machinery, Heavy Green Sand, Castings, etc.)
§†Fisher-Sweeney Bronze Co.
*§Fletcher W. & A. Co. (Marine Engines, etc.)
§Flynn Bros.
*†Focht Geo. Sons (Dumping Tubs & Buckets, Castings, etc), 117-119 Adams
*Friedrichs Carl
*Hunter Wm. Machine Co. (Machine Engineers & Machinists)
*New Jersey Machine Corp. (Paper Box Machinery)
*†New York Switch & Crossing Co. (Frogs, etc.)
Nilson-Miller Co. (Special Machinery Gears & Gasoline Engines, etc.), 50 13th
*Penna. R. R. Marine Shops, ft 10th
*Schimper Wm. & Co. (Metal Goods of Every Description, Spinners, etc.), 332-338 Ferry & 33 Union sq. W., New York
†Stevens Institute of Technology
*Tidewater Iron Works
*Tietjen & Lang Dry Dock Co (Shipwrights & Machinists)
*†§Union Iron Works (Dump Cars, Tubs, Buckets, Iron & Brass Castings, Coal & Ore Dumping Machinery, etc.)
Tiffany, Hall & Co., Inc. (Electrical), 7th & Adams
*Wagner Chas., 55 Park W
*Wilson Bros.
HOPE—*†Aten Henry F.
IRVINGTON—Atlas Foundry Co. (Grey Iron Castings & Welding Rods), Lyons av & Cort
*†Barnett Oscar Fdry. Co. (Tools & Grey Iron Castings, etc.)
†Barnett Foundry & Machine Co.
†Bierman-Everett Foundry Co. (Grey & Malleable Iron Castings)
*Horstmann F. W. Co. (Feed Water Heaters)
*Irvington Mfg. Co. (Tools, etc.)
Liberty Machine Tool & Die Co., 1206 S Grove
JAMESBURG—*†§Pownall F. H. Iron Works
JERSEY CITY—*†Boynton Furnace Co. (Iron Fdrs., Ranges & Heaters), Pacific av, op. Bramhall av (See New York City)
Ranges & Heaters), Pacific av, op. Bramhall av (See New York City)
*§Brady Brass Co. (Brass Fdrs. & Finishers), 170 14th
*Corcoran A. J. Inc. (Pumps, Windmills, Tanks & Towers, etc), 745 Jersey av
See adv index at end of book
*Graig James (Glas Engines), Garfield av
*†§Crane Wm. M. Co. (Stoves, Grey Iron & Brass Castings), Garfield av. (See New York City)
*Davis Jas. & Son (Elevators, etc.), 463 Pacific av
*Everlasting Valve Co., West Side av
*†Fagan Iron Works, 14th
Federal-Huber Co., 166 Delaware av
†*Forbes John R.
*Frank & Hedden Co. (Tools, etc.), 183 1st
*†§Griscom-Russell Co., 72 York (See New York)
See adv index at end of book
*Hamill Alex Iron Works (Structural & Ornamental Iron Work), 426 Montgomery
*Hamilton Low Co., 62 Van Winkle av
*Industrial Machinery Corp., 147 Provost
*†Kellogg M W Co., 117 West Side av. (See New York City)
See adv index at end of book
§Krouse Geo. (Heavy Brass & Phosphor Bronze Castings), 150 Morgan
*†McCabe Jas J., 10th. (See New York City)
*McLaughlin Thos., 53 Essex
§Magnus Co., 364 9th
*†Marcy Stove Repair Co., 340 Grove
*†§Mersereau Metal Bed Co., 292 Johnston av
§Murphy Wm. J., 279 10th
*New Jersey Car Spring & Rubber Co. (Car Springs, etc), 91 Brunswick
Otto William H. Metal Goods Corp., 401 St. Pauls av
*Pratt William A. & Co. Inc., 22 Merseles
Progressive Machine & Tool Co., Inc., 280 Sip av
*§Schroeder Edw. Lamp Works (Brass Founders & Finishers), 716 Jersey av
*†Smith Theo. & Sons Co. (Machinists & Fdrs.), ft. of Essex
Smith & Dudt
*†Snead & Co. Iron Works (Jigs, Fixtures, Gauges, Special Machinery, Lathe, Planer, Punch Press & Stamping Work, Electric & Acetylene Welding, Baked Enameling & Polishing), 98 Pine
†Spence James, 923 Garfield av
*§Spindler & Deringer (Machine Work & Brass Foundry, Valve Work a Specialty), 243 Mercer
*Standard Motor Construction Co. (Marine Gas & Oil Engines), 180 Whiton
*†Steele & Condict (Rock Crusher Parts, Castings & Refrigerating Machines), 74 Pearl
†West Bergen Iron Fdry. (Powell Bros., Props.), 21 Pollack av
§Williams E A & Son (Brass & Bell Founders), 109 Plymouth
KEARNEY—*†Federal Shipbuilding Co. (General Contract Work)
†Riverside Steel Casting Co. (Crucible & Vanadium Steel Castings)
KENILWORTH — *American Circular Loom Co.
LAMBERTVILLE—*†§Lambertville Iron & Steel Co. (Grey Iron, Brass & Composition Castings & Machinists)
LODI—*United Piece Dye Works (Machine Shop for Their Own Use)
LYNDHURST — *§Leslie Co. (Pressure Regulators, Brass & Bronze Castings, etc.)
MADISON—†Force, C. C. & Son
MAHWAH—*†American Brake Shoe & Foundry Co. (Grey Iron Castings, etc.) (See New York City)
MATAWAN—*†§Matawan Steel & Iron Co.
§Munning-A. P. & Co. (Dynamo Mfrs., etc.)
METUCHEN—*Borgfeldt Brass Co. (Cigar Machy)
*Borgfeldt N. H. & Co. (Cigar Machy.)
MILLINGTON—*Nash Duane H. (Harrows)
MILLVILLE—†Madden & Gaskill
†Tyler D. D.

MORRISTOWN—*Dutton Willis H.
NAUGHRIGHT—†*Hopler Bros.
NETCONG—Sintering Machy. Corp.
NEWARK—*Almond David (Hat & Fur Machy.), 88 Warren
*§American Aluminum Ware Co., 374 Jelliff av
*§American Hame & Bit Co., 59 N. J. R. R. av
*American Transformer Co (Electrical Specialties), 178-182 Emmet
*Anderson Geo. & Co. (Diamond Cutting Machines), 8 Orange
§Art Metal Works (Bronzes, etc.), 7 Mulberry
*Automatic Weighing Machine Co. (Mfrs.), 138 Commerce
*Backus Water Motor Co. (Gas Engines, Water Motors, etc.), 172 Penna av
*†Barlow Foundry Co., 551 N. J. R. R. av
*Behrendt Herman F. 22 Green
†Bliss & Drake, 175 N. J. R. R. av
*§Brabson Bros. (Saddlery Hardware) 47 Hamilton
§Brass Founders' Supply Co. (Brass Molds, etc), Wilson av
Breeze Metal Hose & Mfg. Co., 250 South
*Brooks E. J. & Co. (Inc.), N 13th (See New York City)
*Buermann August Mfg. Co. (Saddlery, Hdw., etc.), 220 Jelliff av
§Bushauer Peter (Brass Fdry.), 361 Elm
*†Central Foundry Co., Lockwood (See New York City)
*Chapman W. H. (Machinists), 237 Mulberry
*Chase Edw O. (Fine Machys), 171 Washington
*†Clark Jas. T. Co. (Edge Tools, etc.), 70 Adams
*Climax Co. (Locks, Latches, etc), 95 Clay
*†Currier Cyrus & Sons (Leather Machy., etc), 365 Market
*Delany D. & Son (Carriage & Wagon Springs, etc.), Hamilton
Diamond Tool & Mfg. Co., Inc., 97 Runyon
*Diffany & Co. (Jewelers' Dies, etc), 436 Mulberry
*†Drake W. H. Co. (Heaters, etc.), 36 Clinton
*Ellis Adding Typewriter Co. (Typewriters), 338 Elizabeth av
*Emory Robt. J. Co. (Machinists), 27 Runyon
*†Essex Fdy., Murray
*†§Foster Engineering Co. (Steam & Engineers' Specialties, etc), 109 Monroe
*§Gamon Meter Co. (Water Meters), 282 South
†Goeller H. R. (Builders' Iron Work), 406 Frelinghuysen av
§Goldsmith C. A. (Brass Fdry), 270 Thames
*†Gould & Eberhardt (High Class Machine Tools), 97 N. J. R. R. av
*§Gould's M. Son & Co. (Brass Goods, etc.), 115 Lafayette
§Hanson & Van Winkle Co. (Platers' Machinery & Supplies), 269 Oliver
*Hartig Standard Gas Engine Co., 69 Commercial
*†Hay Foundry & Iron Works, Plum Point lane
*Healy Geo., 11 Ailing
*Hebb Geo. A. (Springs), 70 William
Hedges & Bros., Inc. (Brass Castings & Finishers & Plumbers' Brass Goods), 107 South
*Heller Bros. Co. (Tools, Files, etc.), 879 Mt. Prospect av
*†§Hewes & Phillips Iron Works (Corliss Engines & Iron & Brass Castings), 8 Orange
*Huebel Mfg. Co. (Padlocks, etc.), 103 Monroe
*Humana Company, 56 Summer av
*Hygrade Engng. Co., 391 Mulberry
*†Isbell-Porter Co., 46 Bridge
*Ivers-Lee Co. (Packaging Machines), 215 Central av
*§Jost's Edmunds Sons, 58 1st
*Klaus & Co. (Machinists), 541 Ferry
*Lambert Hoisting Engine Co. (Hoisting Engines & Hoisting Machinery, etc), 117 Poinier
§Lawrence L. & Co., 292 Halsey
*Leiman Bros., 160 Christie av
*Lowentraut P. Mfg. Co. (Skates, Tools, etc.), 36 Bruen
†Maher & Flockhart (Iron Fdrs.), 76 Polk
*Marx-Winkler Co., 101 Montgomery av
†Meeker Foundry Co. (Malleable & Grey Iron Castings), 95 Clay
*Meisselbach-Catucci Mfg. Co. (Machine Tools), 56 Stanton
See adv index at end of book
*Millington & Bradshaw (Tools & Machy.), 69 N. J. R. R. av
*Mundy J. S. Hoisting Engine Co. 735 Frelinghuysen av
See adv index at end of book
*National Lock Washer Co. (Lock Washers, etc), 40 Herman
*§Newark Brass Works (Machy., Trunk Mfrs.' Machy., etc.), 22 Lawrence
*Newark Leather Machinery Co. (Leather Working Machinery), 127 N. J. R. R. av
*Noble & Hunt (Machinists), 359 Mulberry
*Ohl Geo. A. & Co. (Sheet Metal Working Machy., Trunk Mfrs.' Mach., etc), 159 Oraton
Osborne C. S. & Co. (Harnessmakers' Tools, etc), Box 183
See adv index at end of book
*†Pfaff & Kendall (Pipe Cutting & Threading Machines, Nipples, Columns, etc), 655 Ferry
*§Phoenix Lock Works (Locks, etc.), 3rd av
*Plumb David S. (Clock Movements), 73 Norfolk, nr. Central av
See adv index at end of book
*Positive Lock Washer Co. (Lock Washers, etc.), Ave A
§Redlinghouse J.
*§Riley-Klotz Mfg. Co. (Metal Goods, etc.), 17 Mulberry
†Riverside Mfg. Co. (Furnace Regulators & Heating Specialties), 162 Riverside av
*Ruesch H. J. Machine Co. (Jewelers' & Silversmiths' Machy., etc.), 407 Mulberry
†Sacks Louis (Grey Iron Castings), Wilson av
*Sayre L. A. Co. (Tools, etc), 332 Mulberry
*Scandia Mfg. Co. (Screw Machine Products, Tools), 103 Mechanic
§Schueler T. & Co., 48 19th av
§Shaw Bros., Cordier Irv.
*Skinner & Leary Co. (Engineers & Machinists), 109 Mechanic
*Sloan & Chase Mfg. Co. (Precision Machy.), 351 Sixth av
†Smith Albert Sons (Iron Railing, etc), 73 N. J. R. R. av
Star Electric Motor Co., Miller & N. J. RR. av
*Steffens Amberg Co., 262 Morris av
*Storm Mfg. Co., 50 Vesey
Sun Typewriter Co. (Typewriters), 50 Columbia
*†§Thatcher Furnace Co., 36 St. Francis. (See New York City)
*Tiffany Mfg. Co., 50H Spring
*Tirrill's Gas Machine Co., 69 Commercial. (See New York City)
*†Traud Alex. Co. (Castings & Embossing Presses, etc.), 5 Maine
*†§Turner Machine Co. (Iron & Brass Fdrs. & Special Machy.), 28 Eagles
*Universal Tobacco Machine Co., 196 Mt. Pleasant
Wallace-Tiernan Co., Inc., 1 Mill Belleville
*†Watts-Campbell Co. (Corliss Engines & Iron & Brass Castings), 298 Ogden
*§Wheaton A. W. Brass Works (Brass Fdrs. & Finishers), 110 Walnut
*Zeh & Hahnemann Co. (Presses, Dies, etc.), Vanderpool
§Zusi Edward, 78 Mechanic
§Zusi Edw. A. (Brass Foundry), 101 Monroe
NEW BRUNSWICK—*†Brunswick Refrigerating Co. (Ice Making Machy.)
*Consolidated Fruit Jar Co. (Metal Specialties)
*Crawford Mfg Co. (Machinery Parts)
*†§Marine Mfg. & Supply Co. (See New York City)
Metallic Gasket Co.
*Neversalp Works, The (Toe Calks & Pliers)
*†§New Brunswick Iron Works (Brass & Iron Castings, Forgings, Builders' Iron Works, Patternmakers)
*Potter Fred J. (Motors, etc.)
*†Waldron Jno. Co. (Machinery & Castings)
NEWTON—*Farrell Jno. (Hay Forks)
NUTLEY—*New York Continental Jewell Filtration Co. (Water Filters, etc)
ORANGE—*Bates Mfg. Co. (Automatic Numbering Machines, etc.)
*Edison Phonograph Works, Inc. (Phonographs, Dictating Machines, etc.)
*Edison Thomas A. (Inc.) (Talking Machines)
*Orange Machine & Mfg. Co. (Machinists)
*Townsend S. P. & Co. (Lawn Mowers)
PASSAIC—†Binns Henry (Iron Fdry.)
*Botany Worsted Mills (Machine Shop for their own use)
Brighton Mills
*De Vries Bros. (Jobbing Machinists)
*†§Eagle Iron & Brass Foundry (Inc.)
*Magor Car Co. (See New York)
*Novelty Iron Works
*Richardson Scale Co. (Scales)
*†Robins Conveying Belt Co. (Conveying Machinery & Hoisting)
†Schmidt J. G.
PATERSON—*†§American Locomotive Co. (Locomotives.) (See New York City)
*§Asbell S. J. Co. (Plumbers' Brass Goods)
*Atherton Machine Co.
†Barker Fred (Iron Fdrs.)
*Buckley's B. Son (Textile Machinery)
§Casson Robert H.
*†Eastwood Benj. Co. (Textile Machy., Shafting, Pulleys & Hangers, Iron & Brass Castings, etc.)
*Finigan Zabriskie Co.
*Hakemeyer Machine Co. (Textile Machinery)
*Hindley E. B. & Co. (Silk Machy.)
*Johnson-Van Vlaanderen Machine Co.
*King & Gerber Co. (Machinists)
*Knapp C. H. (Textile Machy., etc.)
*†§McNab & Harlin Mfg. Co.
*Morrison Jas. L. Machine Co.
*Paterson Foundry Co. (Grey Iron Castings)
*Royle John & Sons (Photo Engraving, Rubber & Textile Machinery, etc.)
*Sipp Machine Co. (Silk Machinery, Gas Engines, etc.)
§Taylor Robt. & Son (Brass Fdry.)
*Terhune J. I. Machine Works (Silk & Velvet Finishing Machy., etc)
*Vreeland Chas. & Co.
*†Watson Machine Co. (Cordage & Silk Mill Machinery, Castings, etc.)
*Widmer Bros. (Silk Ribbon Machinery)
*Wood Drill Works (Rock Drills)
PAULSBORO—*Cox I. G. & Bro. (Agrl. Implements, etc.)
PENNSGROVE—*Homan Vandever S. (Gasoline Engines)
PERTH AMBOY—§*Chemical Pump & Valve Co.
*Hoyt Metal Co.
†Marcy Stove Repair Co. (Stove Repairers) (See New York City)
*Perth Amboy Dry Dock Co.
*†§Perth Amboy Foundry & Machine Co.
*†§Raritan Copper Works
*Raritan Dry Dock Co.
§*Sibley & Pitman
*†§Schantz & Eckert (Machy. Builders)
*†§White Patrick & Sons
PHILLIPSBURG — *†§Ingersoll-Rand Co. (See New York City)
See adv index at end of book
*Tippett & Wood
PLAINFIELD— Accurate Engineering Co., 150 E 4th
British American Metals Co.
*International Motor Co. (See New York)
*Laing Machine Auto Repair Co.
*Manganese Steel Safe Co. (Manganese Steel Vaults & Safes.) Works: High Bridge, N. J.
National Vitaphone Corp.
*†Niles-Bement-Pond Co.
See adv index at end of book
§Plainfield Brass Fdry.
*†§Scott Walter & Co. (Printing Presses, etc.)
Wood Newspaper Machinery Corp.
POTTERSVILLE—*†§Excel Mfg. Co. (Grinding Mill, Crushers & Pulverizers & Iron Castings)
RAHWAY—Regina Co.
RARITAN—*†§Kenyon D. R. & Son (Textile Machinery)
RIEGELSVILLE—Taylor, Stiles & Co. (Rag Cutting Machines, etc.)
RIVERSIDE—†Riverside Metal Co. (Castings of Phospher, Bronze, White Metal, etc.)
ROCKAWAY—*†§Hoagland's M. Sons Co.
ROSELLE PARK—*Shedd Electric Co. (Motors, etc)
*§Watson-Stillman Co. (Hydraulic Machinery.)
See adv index at end of book
RUTHERFORD—*†§Fuchs & Lang Mfg. Co. (See New York City)
SADDLE RIVER—†Packer W. H.
SALEM—*Ayars Machine Co. (Canning & Can Making Machinery, etc.)
*†§Salem Brass & Iron Mfg. Co.
SAYREVILLE—†§*Sayre & Fisher
SMITHVILLE—*†§Smith H. B. Machine Co. (Wood Working Machy., etc.)
SOMERVILLE—*†Somerville Iron Works (Cast Iron Soil Pipe)
*†Somerville Stove Works (Stove Manufacturers)
SOUTH RIVER—*Keish Henry
TOWN OF UNION—*Haas G. M.
TRENTON—*Baker Wm. H. (Rubber Mill Machy., etc)
*Barbour Bros. (Dies, etc.)
*†§Billingham Brass Machine Co.
*Butterworth Wm. H.
*†§Crossley Machine Co. (Pottery, Tile & Clay Machinery), State and Chestnut av
East Trenton Machine Co.
*†Fisher & Norris (Anvils, etc.)
*Freeman E. H. Electric Co. (Electric Specialties)
*Ivens Wm. H. Sons Co. (Pottery, Mattress & Spring Bed Machinery), P. O. Box 647
*Logan Edw. Machine Co. (Pottery & Special Machinery)
*†§McFarland Foundry & Machine Co. (Grey Iron Castings & Repairs)
*†Mackenzie's Duncan Sons Co. (Steam Engines, Heavy Machinery, etc)
*†§Mott J. L. Iron Wks.
*Mueller Machine Co. (Clay & Tile Machy.)
*†National Radiator Co. (See Johnstown, Pa.)
*Reeves-Cubberley Engine Co. (Gas Engines)
†§*Skillman Hdwe. Mfg. Co.
*Stahl H. E. (Machinist)
*Sutphin Elmer E.
*†Thropp Wm. R. & Sons Co. (Rubber Machinery, etc.)
*§Trenton Brass & Machine Co. (Plumbers' Brass Goods)
*Trenton Engineering Co. (Marine Gasoline Engines)

(Continued on following page)

Machinists & Founders—Continued

NEW JERSEY—TRENTON—Continued
- *†§Trenton Malleable Iron Co. (Aluminum, Brass, Grey & Malleable Iron)
- Watson Wm. Machine Co.

UNION HILL—*Haas G. M. Structural Steel & Ornamental Iron Works
VINELAND—*Blaisdell Machine Works (Tools)
- *Gage Tool Co. (Tools)
- *Sawyer E. H. Machine Works
- §Weaber & Son Adam
- *†§Williams Foundry Co.

WESTFIELD—Harris-Clark Co. Paramount Mfg. Co.
WEST NEW YORK—*Selbach-Meyer Co.
WHARTON—†Downs & Slater
WOODBINE—*Bayard M. L. & Co. (Tools, etc.)
WOODSTOWN—*Knowles Adam
- *Peterson & Loveland

NEW MEXICO.

ALBUQUERQUE—*†§Albuquerque Foundry & Machine Works
- †§National Foundry Co.

NEW YORK.

ADAMS—*Frazer Bros. Co. (Marine Engines)
ADDISON—†§*Chatfield E. S.
AKRON—†*Akron Fdry.
- *Martin Bros.
- *†Thayer A. T.

ALBANY—†§Albany Brass Foundry
- *†Albany Car Wheel Co. (Car Wheels) Albany Foundry Co.
- †Albany Malleable Iron Co. (Malleable Iron & Semi-Steel Castings)
- *§Albany Steam Trap Co. (Steam Traps, Aluminum Castings, Finishing & Plating, etc.)
- *Brohm & Molitor (Files, etc), 257 S Pearl
- *Burdick & Son (Stove Specialties, Dies, etc.)
- *§Consolidated Car Heating Co. (Car Heaters, etc.)
- *Dubois Machine Co., 118 Hudson av
- *†Federal Signal Co. (Railway Signals & Switches)
- *†§Gaynor P. F.
- Gold Coin Stove & Fdry. Co. (Iron Foundry)
- *Kelly L. J. Mfg. Co. (Lifting Jacks, Windlasses, etc.)
- *Kemp Jas. N. Machine Works (Grinding & Polishing Machinery, etc.)
- *†McKinley Jas. & Son (Builders' Iron Work, etc.)
- *Nicholson Aaron (General Jobbing)
- Ramsey Chain Co., Inc., 1031 B'way
- *†§Rathbone, Sard & Co. (Stoves)
- *Skinner & Arnold (Steam Engines, etc.)
- *†§Thacher Geo. H. & Co. (Fuel Economizers, Grate Bars, Grey Iron Castings, etc.)
- *†Townsend Foundry & Mach. Shop Co. (Light & Heavy Machy., Castings, etc.), Broadway & Rensselaer
  See adv index at end of book
- *Van Nouhuys Machine Works,

ALEXANDRIA BAY—*Tassey Lewis
ALFRED—*Rogers Machine Tool Co. (Boring & Turning Mills)
AMBER—*Kinyon Willis
- *†Newman A.

AMSTERDAM—*†§Inman Mfg. Co. (Paper Box Mach'y.)
- *MacCordy Button Machine Co. (Button Mach'y, etc.)
- *†§Perkins Foundry Co.
- †§* Schmidt Edw. L.
- *Shuler W. S., Spring Co. (Springs, etc.)
- *Union Special Machine Co. (See Chicago, Ill.)

ANDES—†*Miller Thos. S.
ANGOLA—*Emblem Mfg. Co. (Bicycles)
ATHENS—*†§Athens Fdy. & Mach. Shop Co.
- †Travis D. W. Sons

ATTICA—*Glor Bros. & Willis Mfg. Co.
- *†Westinghouse Machine Co. (See East Pittsburg, Pa.)

AUBURN—*Auburn Ignition Mfg. Co. (Machine & Punch Works)
- BOWEN PRODUCTS CORP. (Auburn Div.) (Machine Screw Work & Oiling Devices, etc)
  See adv index at end of book
- *†Clapp E. D. Mfg. Co. (Carriage Hdw., etc), 300 Genesee
- *Columbian Rope Co. (For Own Use Only), 3050 Genesee
- *Eccles Richard Co. (Drop Forgings, Carriage, etc.)
- *§Enterprise Foundry Co.
- *†McIntosh & Seymour Corp. (Marine Engines, etc.)
- *Quick & Thomas Co. (Threshers, etc.)
- *Wadsworth David & Son (Scythes, etc.)

AVON—*†§Champion Drill Co. (Grain Drills, Cultivators, etc.)
BAINBRIDGE—*American Separator Co. (Cream Separators)
BALLSTON SPA — *†§Davison-Namack Foundry Co. (Brass & Grey Iron & Semi-Steel Castings)
- *Lackawanna Mfg. Co. (Gasoline Engines)

BATAVIA—*Baker Gun & Forging Co. (Shot Guns, Auto Parts, etc.)
- Climax Corp., Dept. H
- Gray Machine & Parts Corp., Dept. H.
- *†§Massey Harris Harvester Co. (Agrl. Implements)
- *†§Wiard Plow Co. (Plows & Agrl. Impits.)

BEACON—†§*Dutchess Tool Co.
- *†§Green Fuel Economizer Co. (Fuel Economizers, Blowers, etc.)

BERGEN — *§Miller Orville J. (Brass Fdry.)
BINGHAMTON—*American Fork & Hoe Co. (Forks, Hoes, etc.) (See Cleveland, O.)
- *†Bowers L. M. & Co. (Anchors, etc)
- *Deyo-Macy Engine Co. (Gas Engines, etc)
- *Doolittle L. G. (Flue Cleaners)
- §Empire Brass Fdry.
- †§*Fairbanks Co.
- *Gaylord & Eltapenc Co. (Machinists, etc)
- *Heath Robt. (Machinist)
- *Marvin Electric Drill Co. (Electric Drills, etc.)
- *Remington Typewriter Co. (See New York City)
- *†Shapley & Wells (Steam Engines, etc.)
- *Sharp W. M. Mfg. Co., (Dental Machy., etc.)
- *†Stow Mfg. Co., Inc. (Flexible Shafts & Electric Motors & Portable Electric Tools)
  See adv index at end of book
- *Titchener E. H. & Co. (Wire Gds.)

BOLIVAR—*Beatty & Jordan (Machinists)
- *†McDonell & Brannen

BRASHER FALLS — *†§Kennehan P. E. Son & Co.
BUFFALO—*Acme Pattern & Machine Co.
- *Acme Steel & Malleable Iron Works (Steel & Malleable Iron Castings), 1553 Niagara
- *Addressing Machine Co. (Tag Addressing Machines), 895 Niagara av
- *Aldrich Mfg. Co. (Copper & Brass Goods), 57 Illinois
- Aluminum Mfrs., Inc., Dept. H, 1880 Elmwood av
- †American Brake Shoe & Foundry Co (See New York City), 1673 Bailey av
- §American Bronze Co. (Aluminum & Bronze)
- *†American Car & Foundry Co. (See St. Louis, Mo.), 1221 Clinton
- *†American Radiator Co. (See Chicago, Ill.), 218 Delaware av
- †American Seating Co. (See Chicago, Ill.), 13½ Swan
- *American Shading Machine Co. (Shading Machines), 693 Main
- *Arrow Tool Co. (Wrenches), 800H Kensington av
- †Atlas Steel Casting Co. (Steel Castings), 1963 Elmwood av
- *Augustine Automatic Rotary Engine Co.
- *Automatic Buffing Machine Co., 56 Indiana
- *†Barcalo Mfg. Co. (Brass & Iron Bedsteads)
- §*Bausch & Lomb Optical Co.
- *Bergman Tool Mfg. Co.
- †Bingham & Taylor, 575 Howard
- †Brown Car Wheel Works (Mfrs.), 466 Howard
- *Buffalo Bolt Co.
- *Buffalo Brake Beam Co. (See New York City)
- §*Buffalo Brass Fdry.
- *Buffalo Bronze Die Cast Corp. (Castings), 100 Arthur
- *Buffalo Can & Bottle Filling Machine Co., 308 Terrace
- †Buffalo Car Wheel Foundry Co., Dun bldg
- *†Buffalo Co-operative Stove Co. (Grey Iron Castings, Stoves, etc), Amherst & Tonawanda
- *Buffalo Dry Dock Co. (Shipbuilders), Gauson
- *Buffalo Engine Co. (Fertilizer & Garbage Disposal Machinery), 1 Randall
- *†Buffalo Forge Co. (Engines, Blowers, etc), 490 B'way
- BUFFALO FOUNDRY & MACHINE CO. (Grey Iron & Semi-Steel Castings up to 200 Tons Each), Buffalo, N. Y.
  See adv index at end of book
- *Buffalo Gasoline Motor Co. (Gasoline Marine Engines, etc), 1280 Niagara
- *Buffalo Gear & Pattern Works, 18 Elk
- *Buffalo Machine Mfg. Co. (Jewellers' Machinery), 1354 West av
- §Buffalo Mfg. Co., 1354 West av
- *§BUFFALO METER CO. (Water-Meters), 2921 Main
  See adv index at end of book
- *†§Buffalo Pitts Co. (Engines, etc), 27 Carolina
- *†§Buffalo Scale Co. (Inc.), 1205 Niagara
  See adv index at end of book
- *Buffalo Specialty Co., 375 Ellicott
- *†§Buffalo Steam Pump Co. (Steam Pumps, etc) Works: N. Tonawanda, N. Y.
- *Buffalo Structural Steel Co., 166 Dart
- *Cary Safe Co. (Safes & Locks), 1200 Niagara
- *§Case W. A. & Sons Mfg. Co. (Plbrs' & Steam Fitters' Castings, etc), 31 Main
- *Coulter-Curtis Screw Co. Inc., 17H Gull
- *CRANDALL CAN FILLER MACH. CO. (Can Filling Machines), 1390 Niagara
- *Crowell D. J., 61 Terrace
- *Deck Brothers (Brass Founders, etc), 56 Ind.
- †De Laney Forge & Iron Co., 300 Perry
- *Devine J. P. Co. (Drying Drums, etc), 1372 Clinton
- *Diamond Saw & Stamping Works (Emery Wheel Dressers, etc.), 357 7th
  See adv index at end of book
- §*Dorries & Sons F., 471 Elect
- *Double Truss Cornice Brake Co. (Sheet Metal Working Machinery), 33 Chandler
- *Dunn Machine Co. (Machinists), 55 Carroll
- *Eastman Machine Co. (Cloth Cutting Machines), 779 Washington
- *Eisenhans Machine Works (Printers' Machinists & Special Mach.), 898 Washington
- *Empire Machine & Stamping Co. (Presses, Dies & Special Machy.), 59 Terrace
- *†Ernst's Chas. F. Sons (Grey Iron & Builders' Castings)
- *Ernst C. K., 75 Lathrop
- *Farnham Mfg. Co., 39 Indiana
- *†Farrar & Trefts Inc. (Iron & Semi-Steel Castings, etc.)
- *Feine August & Sons Co. (Iron Fdry. & Bldrs, Iron Works), 140 Terrace
- *†Fillmore Av. Foundry & Iron Works, 153 Fillmore av
- *Fisher Machine Tool Co. (Dies & Small Machine Work), 102 B'way
- *Ford Bros., 23 Illinois
- *Fowler & Union Horse Nail Co. Inc. (Horse Nails), 1006 Military rd
- *§Fries & Co. (Aluminum & Brass Founders & Finishers), 91 Main
- *Frontier Engine Works (Steam Engines, etc.), 9 Perry
- *†Frontier Iron Works (Grey Iron Castings, etc.), 36 Letchworth
- *General Specialty Co. (Boiler Tube Cleaners), 65 Carroll
- *†Ginther's J. Sons Co. (Iron Founders & Bldrs. Iron Work, etc), 419 Broadway
- Great Lakes Pressed Steel Corp., 1100 Niagara
- *Heiser Wm. Sons Co., 116 Clinton
- *Holmes E. & B. Machinery Co. (Wood Working Machinery), 59 Chicago
- *†Howard Iron Works (Bolt & Nut Machinery, Pulleys, Vises, etc.)
- *Huebner, Bleistein Patents Co., 344 Vulcan
- *†Jewell Steel & Malleable Co. (Malleable Iron & Carbon Steel Castings)
- *Jewett & Co. (Stoves, Ranges, etc), Military rd
- *Jones Iron Works (Iron Railings, etc), 312 Terrace
- *Kelker Blower Co., 2383 Fillmore
- *Keystone Mfg. Co. (Ratchet Drills, Wrenches, etc.)
- *†King Iron Works, 226 Ohio
- *†King Sewing Machine Co., 90 Welland
- *†§Lackawanna Steel Co. (Iron, Steel & Brass Castings & Machine Shop)
- *†§Lake Erie Boiler Works (Marine Boilers & Plate Work), 419 Gates av
- †Lake Erie Foundry Co. (Grey Iron), 218 Chicago
- †Lawler Iron Works
- *Lazier Gas Engine Co. (Gas Engines), 190 Main
- *Learman Frank J., 150 Ellicott
- *Liesinger R. T. G. (Packing House Machinery), 137 Vermont
- *Lobee Pump & Machy. Co. (Pumps, etc), 111 Dearborn East
- †Long Grate Bar Co., White bldg
- *§LUMEN BEARING CO. (Brass, Bronze & Copper Castings, Lumen Bearings, etc), 200 Lathrop
  See adv index at end of book
- M. S. W. Mfg. Co., 1527 Niagara
- *McCarthy Bros. & Ford (Electrical Specialties, etc), 75 N Mohawk
- McKaig-Hatch, Inc., Ontario & Skillen
- *Manzel Bros. Co. (Automatic Oil Pumps, etc.), 315 Babcock
- *Mayer Carbureter Co., 2673 Main
- †§Metal & Alloy Specialties Co., Inc., 25 Illinois
- §Metal & Alloy Specialties Co., 1875 Elmwood av
- *Mey Chain Belt Co. (Chain Belting & Elevating & Conveying Machinery, etc.)
- Mollenberg-Betz Machine Co., 110 Washington
- *National Brake Co. (Inc.), Ellicott sq
- §National Bronze Fdry., 1415 Niagara
- *National Grinding Wheel Co., 2984 Main
- *National Welding & Mfg. Co. (Welding)

*†N. Y. Car Wheel Co. (Iron Founders & Car Wheels), 5 Forest
*Nichols & Wright Motor Co. (Valveless Engines)
*North Buffalo Hardware Foundry Co. (Grey Iron, etc.), 743 Hertel av
*†§Noye Bros. Co. (Flour Mills Machinery), 1447 Niagara
*Olin Gas Engine Co. (Mfrs.), 10 Lock
*Oliver A. F. Gear & Machine Co., 60 Cherry
*Oliver W. W. Mfg. Co. (Jewelers' Tools & Machinery, etc.), 1483 Niagara
*Peerless Husker Co. (Green Corn Husking Machines), 523 Cornwall
Perfection Machine Works, Inc., 18 Morris
*Phoenix Die Casting Co., 21 Illinois (Die Castings)
*Pierce Wm. B. Co. (Boiler Tube Cleaners), 40 N Division
*§Polson Mfg. Co., 1754 Main
*Pomeroy & Stellrecht, 582 Kensington av
*†§Pratt & Letchworth Co. (Steel & Malleable Iron Castings, etc.)
*Queen City Engineering Co. (Steam Pumps, Engines, etc), 49 Illinois
*Queen City Tool Co., 800H Kensington av
*§Ray Geo. A. Mfg. Co. (Brass & Copper Goods), 1495 Niagara
*Rice & Adams (Creamery Machy.), 180 Chandler
*Robers Samuel C. & Co. (Brazing & Excelsior Machinery, etc), 10 Lock
Robertson W. Machine & Foundry Co. ("Economy" Hack Saw Machines, Drill Presses, etc.), 56 Rano
§Schnell Bronze Bearing Co., Inc., 145 Chandler
*§Sherwood Mfg. Co. (Brass Fdrs., Engine & Boiler Specialties, etc.), 1709 Elmwood
*Smith's John E. Sons Co. (Tanners' and Butchers' Machinery, etc.)
†Sowers Mfg. Co. (Soap Makers' Machinery), 1300 Niagara
*Spencer Lens Co., 442 Niagara
*Squier Geo. L. Mfg. Co. (Plantation Machinery)
*†Standard Foundry Co. (Iron Castings), 743 Hertel
*Sterling Engine Co. (Marine Engines, etc), 1250 Niagara
*Stoll D. H. Co. (Presses, Shears, Dies, etc.) *See adv index at end of book*
†Strong Steel Foundry Co. (Steel Castings)
*Taber Pump Co. (Rotary Brewery Pumps, etc), 291 Elm
*†§Taylor W. P. Co., Ellicott sq
†*Trout Co., H. G.
§Unique Brass Fdry.
*†U. S. Cast Iron Pipe & Foundry Co. (See Burlington, N. J.), 957 E Ferry
*§U. S. Hame Co. (Steel Hames, etc), 135 Tonawanda
U. S. Headlight Co. (Headlights, etc), 2 Letchworth
*Victory Mach. & Lbr. Co., Inc. (Woodworking Machinery)
*Wegner Machine Co. (Ice & Refrigerating Machinery, etc), 78 Main
*White L. & I. J. Co. (Edge Tools, Machine Knives, etc.), 120 Columbia
*Whitman Machine Co. (Engines), 178 Ohio
*Wittemann Co. (Brewers' Machinery), 842 Elk
*†§Worthington Pump & Machinery Corp. (Snow Work)
*§Zero Valve & Brass Mfg. Co. (Brass Founders & Finishers), 643 4th

CALEDONIA—*†Caledonia Bean Harvester Works (Bean Harvesters, etc.)
CAMDEN—†*Hydraulic Turbine Corp.
*Hynes Frank R.
CANANDAIGUA—*Salnave W. A.
CANASTOTA—*†§Cady C. N. Co. (Gasoline Motors)
*Mahan James
Production Engineering Corp.
*Watson Products Co. (Dump Wagons, etc.)
CANTON—*†§Dishaw & Dishaw
CARTHAGE—*†§Carthage Machine Co.
†§*Renaud D. J. & Son
*†Ryther & Pringle Co. (Paper Mill Machinery)
*Wilna Machine Co.
CATO—†Dutton E. Q. & Co. (Agricultural Implements, Plows, etc.)
CATSKILL—*†§Catskill Foundry & Machine Co. (Machinists & Founders, Gears, Pinions, etc.)
CENTRAL BRIDGE—*Campbell S. K. Co. (Threshers, etc.)
CHAMPLAIN—*†§Sheridan Iron Works.
CHARLOTTE—*Morrison H. D.
CHURCHVILLE—†Snyder H. F.
CLAYVILLE—Clayville Fdry. & Mach. Co.
CLYDE—*†Wood S. W. Engine Co. (Portable & Traction Engines & Brass & Iron Castings)
COBLESKILL — *†Harder Mfg. Co. (Threshers, Clover Hullers, etc.)
*†Rickard Ira D.
COHOES—*Beattie Mfg. Co. (Textile Machy.)
*Campbell & Clute Machine Co. (Textile & Knitting Machy.)
*†Cohoes Iron Foundry & Machine Co. (Slashing Machy. & Elevators & Brass & Iron Castings)
*†Cohoes Rolling Mill Co.
*McCreary Edw. (Textile Machinery)
§Rensselaer Valve Co. (See Troy, N. Y.)
§Simcox Jos. H. (Brass & Bronze Castings)
*Union Special Machine Co. (See Chicago)
COLD SPRING—*†DuBois Foundry Co. (Vanadium & other iron Castings)
COPAKE FALLS — †Columbia Plow Works (Plows, etc.)
CORNING—†Corning Fdry. Inc.
*Empire Machine Co.
†*Hood Furnace & Supply Co.
CORTLAND—*†§Cooper Bros.
*†§Cortland Foundry & Machine Co.
*Gooley & Edlund (Milling Machines)
COXSACKIE — *†§American Valve Co. (Valve Mfrs., etc.)
*†Newbury J. G. Iron Works
†Walther Bros.
CROTON FALLS—*Higley Machine Co. (Metal Cutting Off Machines, etc.)
*Juengst Geo. & Sons
DANSVILLE—*Power Specialty Co.
DEPEW—*†Gould Coupler Co. (Car Couplers & Malleable Iron Castings). (See New York City)
*§Magnus Co. (Babbitt Anti-Friction Metals, etc.)
*Railway Steel Spring Co. (See New York City)
DOLGEVILLE—*Menge Wm.
DUNKIRK—*†§American Locomotive Co. (Locomotives). (See New York City)
*Commercial Machine Co. (Cam Shafts), Dept H
†*Continental Heater Co.
*Dunkirk Machine & Boiler Co. (Jobbing, etc.)
*Flesher Chas. H. (Machinist)
*Niagara Motors Corp. (Gasoline Marine Engines
*†United States Radiator Corp. (See Detroit, Mich.)
EAGLE MILLS—†Rowe Henry
EAST AURORA—*†Peek's S. H. Sons (Plows, etc.)
EAST ROCHESTER—East Rochester Iron Works
*†Ontario Drill Co. (Grain Drills, etc.)
EBENEZER—*Gilfillan F. C. (Gas Regulators)
EDMESTON—*Greene Nelson L. (Est. of)
ELBA—*†Barr Newton L.
ELLENVILLE—*†§Hoyt, Canner & Co. (Castings, etc.)
ELMIRA—*§American La France Fire Engine Co.
*†Elmira Boiler & Iron Works (Jobbing, etc.)
*†Elmira Foundry Co. (Grey Iron Castings, etc.)
Hilliard Clutch & Machine Co.
*Horton Machine Works (Basket Mach'y)
*†§Kennedy Valve Mfg. Co. (Valves, Hydrants, Indicator Posts, etc.) *See adv index at end of book*
*§Swift Lubricator Co. (Lubricators, Valves, etc.)
*Thomas Chas. (Jobbing)
ENDICOTT—*Bundy Mfg. Co. (Adding Machines)
*International Time Recording Co. of New York (Time Recorders & Time Stamps)
FAYETTEVILLE—*Precision Die Casting Co.
FISHKILL-ON-THE-HUDSON — *Potter-Morgan Mfg. Co. (Spring Brakes, etc.)
FONDA—*Mohawk Machine Shop
FORT PLAIN — *Walrath Alphonso Co.
FRANKFORT—*†Acme Road Machinery Co. (Road Machinery, etc.)
FRANKLINVILLE—*Stone F. L.
FREDONIA—*Hammond J. W.
FREEPORT—Columbian Bronze Corp.
FRIENDSHIP—*†Drake Hdw. Co. (Stoves & Dairy Goods)
FULTON—*Diits Machine Works (Paper & Pulp Mill Machinery & Castings, etc.)
*Foster Bros. & Chatillon Co. (Edge Tools)
*Hunter Arms Co. (Fire Arms, etc.)
*Hunter Fan & Motor Co. (Water Motors, Fans, etc.)
GARDEN CITY—Curtis Aeroplane & Motor Corp.
GASPORT—*Friend Mfg. Co. (Spray Pumps, etc.)
GENEVA—*†Catchpole Boiler Foundry & Machine Co.
*Fay & Bowen Engine Co. (Gasoline Engines, etc.)
*McCarroll W. W.
†§Phillips & Clark Stove Co. (Stove Mfrs.)
†Summit Foundry Co. (Stoves, Ranges & Furnaces)
†*U. S. Radiator Corp.
GLENS FALLS—*†§Dix Chas. B.
*†Glens Falls Portland Cement Co.
†Hopes Combustion Engng. Co.
GLOVERSVILLE—*Corey Machine Co. (Glove & Leather Machinery, etc.)
*†Curtin Hebert Co. (Glove Machinery, etc.)
*†§Steele Mfg. Co.
GOSHEN—*†Newbury J. H. (Cast Iron-Fittings, etc.)
GOUVERNEUR — †§*Johnson Mach. & Tool Co.
GOWANDA — *†§Gowanda Agricultural Works (Agl. Impts., Grey Iron Castings, etc.)
*Moench C. Sons Co. (Repair Work for Tannery, etc.)
*Smallwood W. R. Mfg. Co. (Corrugated Steel Fasteners, etc.)
GRASSY POINT—*§Wiles A. M. & W. H. Co.
GREENE—*§Lyon Iron Works (Fdrs. & Machinists, Feed Cutters, etc.)
§Mosher J. R. (Brass, Bronze & Aluminum Castings)
GREEN ISLAND—*Clifford Jas. J. & Co. (Machinists)
*†Sweet & Doyle Foundry & Machine Co. (Special Machy. & Grey Iron Castings)
GREENPORT—*Gaffga J. S. & Co. (Gasoline Engines)
*Greenport Basin & Construction Co. (Ship & Engine Builders)
*Hedges Samuel P. (Machinist)
*Tuthill & Thorn
GREENWICH—*†§Eddy W., Plow Co. (Plow Mfrs. & Castings)
GREENWOOD—†*Jackson O.
GROTON—†*American Road Machy. Co. Inc.
*Groton Bridge Co.
GUILDERLAND—*†§Guilderland Foundry Co.
GUILFORD—*†§Merchant P. A.
HAMILTON—*†§Graham Dwight
HAMMOND—*†§Evans B. A. (Agt. Impts.)
HANCOCK—†Stimson T. F. (Iron Fdry.)
HERKIMER—†Herkimer Foundry Co.
*Klock A. B. (Machinist)
*Quackenbush H. M. (Air Rifles, etc)
HILLBURN — *†Ramapo Iron Works (Cars, Castings & General Truck Equipments)
HILLSDALE—†Hillsdale Plow Co.
HONEOYE FALLS—*†Yorks Foundry & Machine Shop
HOOSICK FALLS—*†§ Noble & Wood Machine Co. (Paper Mill Machy.)
*Witham Co. (Paper Mill Machinery)
*†§Wood W. A. Mowing & Reaping Machine Co. (Agricultural Implements, etc.)
HOPEWELL JUNCTION—*Martin Wm. A. (Machinery)
HORNELL—†Davis Fdry. (Inc.)
*Deer A. J. Co. (Coffee Mills, Meat Choppers, etc.)
HORSEHEADS—†§*Reeves Chas. S.
*†Weller Hdw. & Fdry. Co. (Gray Iron Castings)
HUDSON—*†§GIFFORD-WOOD CO. (Ice Handling Machinery, etc.)
†*Mechanical Handler Co.
*†Railway Steel Spring Co. (Car Wheels, Steel Springs, etc.)
HUDSON FALLS—*Hibbard Gas Engine Co.
*†§Sandy Hill Iron & Brass Works (Paper Mill Machy. & Iron & Brass Castings)
ILION—*Dyett Frank J. Co.
Remington Arms Co., Inc.
INTERLAKEN—*Covert Saddlery Works, (Neck Yokes, etc.)
IRVINGTON—†American Abrasive Metal Co.
*†Lord & Burnham Co. (Horticultural Builders & Greenhouse Heating Apparatus). (See New York City)
ITHACA—*Champaign Bros. (Boat Builders)
*†§Godfrey E. E.
Holmes E. J. & Son, W State
*Ithaca Gun Co. (Guns)
*†§Lang J. B Engine & Garage Co.
*†§Morse Chain Co. (Power Transmission Appliances, etc.) *See adv index at end of book*
*Shaw M. D.
*†§Williams Bros. (Well Drilling Machinery
JAMESTOWN—*Anderson Bros. (Machinists)
*§Art Metal Construction Co.
*Blackstone Mfg. Co. (Washing Machines)
*Curtis Machine Corp. (Furniture Machinery)
*§Eagle Fdry. & Mach. Co. (Fdrs. & Machinists)
§*Ellison Brass Mfg. Co. Inc.
*Gurney Ball Bearing Co.
Hjorth Tool Corp. (Wrenches, etc.), 28 Taylor
*†§Jamestown Iron Works Co.
Maddox Machine Co. (Woodworking Machy.), 63H Main
*†§Maher Patrick (Machinist & Fdry.)
*Rushworth & Son (Machinists)
*§Weber-Knapp Co. (Brass Castings, etc.)
JOHNSON CITY—*Central Flatiron Mfg. Co. (Gas Irons)
JOHNSTOWN—*Camm Geo. E. & Son
*Gustin M. & Son (Glove Dies, etc.)
*†Travis & Oczko
KINGSTON—*Dixon Chas. R. Co.
*Hoysradt & Case (Clothes Pressing & Special Machinery)
*King A. R. Mfg. Co. (Machy., Tools, etc.)
†*Kingston Mach. & Fdry. Co., 82 Prince
*†Lawton Wm (Foundry & Machinist)
*†Long E. G. Co. (See New York City)

(Continued on following page)

Machinists & Founders—Continued

NEW YORK—KINGSTON—Continued
*†§Millard Jas. & Son Co. (Brick Machy. & Castings)
*Rice Jacob & Sons
*Universal Road Machinery Co. (Road Making Machinery)
LANCASTER—*†American Malleables Co.
*Lancaster Machine & Knife Works (Bit Braces, Machine & Knife, etc.)
LEONARDSVILLE—†Babcock Mfg. Co. (Agrl. Implements)
LE ROY—*†Le Roy Plow Co. (Plows, etc.)
LESTERSHIRE—†Sweet Bros.
LIMA—*Bailey Engine Co. (Bottle Washing Machines, etc.)
LITTLE FALLS—*Cheney Henry Hammer Co. (Hammers, Tools, etc.),
*†Reddy's M. Sons (Castings, etc.)
*Snyder Homer P. Mfg. Co. (Knit. Machy.)
*Stafford & Holt (Knitting Machy.)
LOCKPORT—*Covert Motor Vehicle Co. (Automobile Transmissions)
*†Dussault Foundry Works
§Electric Smelting & Aluminum Co.
*Ferree E. H. Co.
*†§Hall Iron Works
*Harrison Radiator Corp.
*Kolb Edw. (Machine Work)
*Korff F. W. Electric Co.
Lockport Foundries Corp.
*†§McKim Foundry & Machine Co. (Laboratory Machines & Castings)
*†Merritt Mfg. Co. (Wood Working Machy.)
*Niagara Paper Mill (For their own Rprs.)
*Nolan Wm. Co. (Machinist)
*†Richmond Mfg. Co. (Flour Mill Machinery.)
*Trevor Mfg. Co. (Shingle, Heading, Staves, Handle & Wood Pulp Machinery)
*Western Block Co. (Tackle Blocks, etc.)
LOWVILLE—*†§Fulton Machine & Vise Co. (Power Pumps, Vises, etc.)
Virkler A. G.
LYONS—*†Berns & Schlee
*Nagley Mfg. Co. (Tobacco Planters' Machy., etc.)
MALONE—*†§Hinds Thos. Co. (Stone Polishing & Stone Sawing Machy. & Castings)
MANLIUS—*†Cheney S. & Son (Iron Fdrs.)
*†§Scoville E. U. Co (Stable Fixtures, etc.)
MARATHON—†§*American Road Machy. Co.
*†Livingston Jas. (Machinist & Fdry.)
MATTEAWAN—*†§Green Fuel Economizer Co. (Fuel Economizers, Blowers, etc.)
MECHANICSVILLE—†Eckerson Bedding Co. (Beds)
MEDINA—*†§Bignall Co. (Sinks, Plumbers' Supplies, etc)
*†Central Foundry Co. (See New York City)
ERIE PUMP & ENGINE WORKS ("Erie" Engines & Pumping Machy.), 149 Glenwood av
See adv index at end of book
*†Medina Foundry Co. (Soil Pipe & Fittings)
†*Medina Iron & Brass Co.
*§Medina Stamping & Machine Co.
*†§Swett A. L. Iron Works (Grey Iron Castings, Plumbers' Castings, etc)
MERIDIAN—†Everts Mfg. Co. (Plows, etc.)
MIDDLEPORT—*Lewis E. J. (Canning Machy.)
*Niagara Sprayer Co. (Spraying Machines)
†Sherwood & Snell
*Whittaker F. A.
MIDDLETOWN—Bradney Machine Co. Inc.
Clemson Bros. (Saws)
*§Coleman Galen (Castings All Kinds, General Machinery, etc.)
*Ideal Wrapping Machine Co.
*Madden & Morrison File Co.
*§Martin Jas. G. (Castings of Every Description)
*Morgans & Wilcox Mfg. Co. (Printing Machinery)
Napier Saw Works Inc.
Victor Saw Works
MONROE—*†Newbury Mfg. Co. (Castings & Steam Fittings, etc.)
MONTOUR FALLS—*Montour Steel Co.
SHEPARD ELECTRIC CRANE & HOIST CO. (Electric Cranes & Hoists, etc.), 406 Schuyler av, Montour Falls, N. Y.
See adv index at end of book
MORAVIA—*†Cady Geo. S. & Son (Fdrs.)
MOUNT MORRIS—*Empire Machine Works (Wood Working Machy.)
*†Genesee Valley Mfg. Co. (Grain Drills, Harrows, Corn Shellers, etc.)
MT. VERNON—*Benford Auto Products Co. (Spark Timers & Plugs)
†§Henry-Bonnard Bronze Co.
*Moberg C. J. Inc.
*Peyser-Hansen Machine Co., Dept H
MUNNSVILLE—*†§Munnsville Plow Company
NASSAU—†Grubb & Kosegarten Bros.
NEWARK—*Arcadia Trailer Co.
NEWBURGH—*†§Abendroth & Root Mfg. Co. (Grey Iron & Brass Castings, Water Tube Boilers, etc.)
See adv index at end of book
†*Coldwell Lawn Mower Co. (Lawn Mowers, etc.)
†*Coldwell-Wilcox Co. (Sugar Machy., Sluice Gates & Iron & Brass Castings, etc.)
§Kimball's S. G. Son (Brass Fdr.)
*†Marvel T. S. Shipbuilding Co.
*†Turl Iron & Car Co. (Sugar Machinery, etc.), 50 Broad, New York
NEW HAMBURG—*†Stuart R J & T H (Compression Wedge Couplings, Castings, etc.)
NEW LISBON—*George M. & R. L. (Steam Engines, etc.)

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—*†§Acme Foundry Co., 303 N Henry
*Adriance Machine Works, 80 Richards
*American Brass Fixture Works (Brass Goods, Railings, etc), 67 Engrt. av
†American Casting & Mfg. Corp., 30 Main
*American Machine & Foundry Co. (Tobacco Machy.), 2d av & 56th
*American Numbering Machine Co., 224 Sheperd av
*Atlantic Basin Iron Works, 168 Van Brunt
*Atlantic Iron Works, 441 11th av
*†Auer Jno. Jr., 197 Middleton
*Ball Gear & Machine Co. (Gears, Machinery, etc.), 56 Greenpoint av
*Ball & Jewell (Machinists), 24 Franklin
*Bergstrom & Bass (Engrs. & Machinists), 158 2d av
*Blattner Fred'k (Machinist & Mill wright), 984 Grand
*§Brass Goods Mfg. Co. (Brass Goods, etc), 451 Greenwich
*Briggs Engineering Co., 227 24th
*§Brooklyn Brass Wks. (Plumbers' Brass Goods, etc.), 263 Scholes
*†Brooklyn Vault Light Co. (Vault Light, etc.), 254 Monitor
*†§Brown & Patterson, 33 Marcy av
*Burley Welding Works, 20 Kosciusko
*Burr John T. & Son (Machine Tools, etc.), 429 Kent av
*Campbell Jas. F. & Son (Files, etc.), 92 Essex
*Century Pump Co. (Pumps, etc.), 719 6th
*Cevasco, Cavagnaro & Ambrette, Inc. (Macaroni Machy.), 156 6th
*Christoffel's A. Sons (Tube Cleaners, etc.), 277 Eldert
Columbia Foundry Co., Inc., 451 Hicks
*§Columbia Machine Works & Malleable Iron Co. (Electric Railway Appliances, Grey Iron & Brass Fdry.), Atlantic av & Chestnut
Cooper Flexible Transmission Co., 1728 8th av
*§Coyne & Delany Co. (Brass Fdrs., Plumbers' Specialties, etc.), 822 Kent av
†§Craig Foundry Co. (Iron Castings), 42 Sanford
Crane's T. A. Sons Co. (Erie Basin), ft Columbia
*†§Creamer F. D. & Co., 26 Court
*†§Creamer W. G. & Co., Smith
*Currie J. B. & Son, 72 Adams
*Daley Laundry Machy. Works, 337 Butler
*Deverall Perfection Mfg. Co. (Brass Specialties, etc.), Caton av
*Doig Wm. S. (Est. of) (Box Nailing Machy.), 54 Franklin
†Eagle Iron Works, 850 De Kalb av
*Eggers Wm. J. (Rubber Molds, etc.), 294 Tafe pl
*Ellsworth S. P., 40 S 8th
*Emmerich Fred'k, 365 Flushing av
*Empire Machine Works, 760 Berry
*Fanning Josephine P., 673 Jefferson av
*Fogarty M. J. (Machinists), 40 Harrison
*Foster Pump Works, Inc., 37 Bridge
*Franklin Machine & Steam Boiler Works (Machinists, etc), 88 Quay
*†§Fulton Foundry & Machine Co. (Machinists & Iron Fdrs.), 21 Furman
§*Generator Valve Co., 47 Dinsmore pl
*Gill P. H. & Sons (Forgings, Grain Elevators, Power Transmitting Machinery, etc.), 2 Lorraine
*§Graf Jos. (Brass Finisher), 336 Park av
§Greenpoint Brass Foundry, 18 Franklin
†§Greenpoint Metallic Bed Co., 326 Franklin
*†Guild & Garrison (Pumping & Sugar Machy., etc.), 457 Kent av
*Hall & Hurlbert, 129 25th
†Halloran Thos. (Iron Fdry.), 390 Metropolitan av
§Hamilton Robt. & Sons, 56 Water
*§†Hecla Iron Works, 118 N 11th
*Henry Engineering Co., 165 25th
*Holland Frank & Son, 633 Lorimer
*Hoole Machine & Engraving Works (Book Binders' Machinery), 29 Prospect
*Houchin-Aiken Co. (Candle & Soap-Makers' Machinery), 26 Court
*Hubbard's Norman Sons (Vacuum Pump & Veneer Sawing Machines), 603 Dean
*Huber Machy. Co. (Soap Machy.), 361 46th
§Huethwohl Louis, 513 Flushing av
*International Postal Supply Co., 634 Prospect pl
*Intertype Corp. (Typesetting Machines), 50 Court
§Jefferson Brass Fdry., 209 King
*†Johnson J. D. Co. (Cast Iron Soil Pipe & Plumbers' Castings), 43 Beerum pl
*Judge Harry W., 226 Pearl
*Kelting Albert J. (Machinist & Engineer), 459 Carroll
*Kent Machine Works, 39 Gold
†Kings County Iron Foundry, Inc. (Sash Weights, etc.), Gardner av & Meserole
†§Lefferts Chas. A. & Co., 169 2d av
†Lewis & Egginton, Meserole
*Lowerator Co., 110 Pearl
*McAdams Jno. & Sons (Paging & Ruling Machines), 978 Kent av
*Mecca Machinery Co. (Machinists Only), 85-87 Adams
*†Mergenthaler Linotype Co. (Linotype Machines), 24 Ryerson
*†§Metcalf Saml. (Brass & Iron Fdry.), Seabring
*Metropolitan Iron Fdry., 890 Metropolitan av
*Miller Wm. P. Co. (Bailing Presses), 250 Greene
*§Mills Wm. J. (Brass & Bronze Fdrs. & Machinists), 25 Bainbridge
*Morse Dry Dock & Repair Co. (Marine Works), ft 56th
*Murcott & Campbell (Files), 396 Union av
*§Murray John A. (Brass Finisher), 112 Front
National Foundry Co. of N. Y., 10 Sanford
*Nebel Martin A. (Cement, Paint Grinding Machy., etc.), 72 Grand av
*New York Gear Works, 56 Greenpoint av
Nicholls Wm. H. Co. Inc., 2 College pl
*Oldham New York Saw Works Inc. (Saws), 112 26th
*Olsen Andrew (Machinist & Boiler Maker), 615 68th
§Paulson Thos. & Son (Brass Castings & Anti-Friction Metals, etc.), 97 2d av
*§Penn Brass & Bronze Works (Brass & Bronze Founders, etc.), 111 Doblin
*Phelan Jos. E. (Brass Finisher), 439 Kent av
*Pioneer Iron Works (Asphalt, Paper Taring Sugar Machinery, etc.), 149 Pioneer
*Pollard Jos. G. (Tools), 141 Raymond
*Presto Machine Works, 70 Washington
*Pringle Thos. G. (Machinist), Clay
*Reeve Henry E. (Mechl. Engr. & Machinist), 459 Carroll
*§Reid R. W., 264 Hancock
†§Riley John J. Co. (Iron & Brass Foundry), Van Brunt
Roberts Numbering Machine Co. (Machinists), 706 Jamaica av
*Robertson John & Co. (Lead Pipe Machinery), 133 Water
*Robins Dry Dock & Repair Co. (Marine Repairs), Beard
*Rockwell L. A. Co. (Bakers' Machy., etc.), 430 Smith
§Roman Bronze Works (Bronze Castings only), 275 Greene
Roovers Bros., 100 Schermerhorn, Brooklyn, N. Y.
*†Ross Chas. & Son Co. (Paint Grinding & Mixing Machy., 148 Classon av
*†Roy Engineering & Iron Works, 51 Otsego
†§Royal Metal Furniture Co., 174 7th
*Sittmann G. & Sons, 105 Liberty
*§Staats Geo. & Co. (Brass Founders & Finishers), 74 Bayard
†Standard Iron Foundry, 53 Dobbin
*Sterling Brass Polishing Co. (Brass Finishers), 105 Livingston
*Stimpson Edwin B. Co., 852 Kent av
See adv index at end of book
*§Sweeny W. H. Mfg. Co. (Brassware, etc.), 30 Main
†Taylor & Co. (Machine Molded Castings, etc.), 630 Morgan av
*Tebo Yacht Basin Co. (Marine Repairs), ft. 24th
*Thompson-Bonney Co. (Electrical Specialties), 18 Henry
*Thomson Meter Co. (Water Meters), 110 Bridge
*Tickle Arthur, 21 Delevan
§Tighe John J., 190 25th
Twin-O-Matic Machine & Tool Co., Inc., 160 John
†§*U. S. Navy Yard Fdry.
*Vierengel Matthew (Machinist), 32 S 6th
*Wald Electric Mfg. Co. (Motors), 248 N 10th

*Warp Twisting-In Machine Co., 360 Van Brunt
*Weiss L. T., 236 Taaffe pl
*Wenstrom's John Sons, 623 Bergen
*Wesel F. Mfg. Co. (Electro & Stereotyping & Photo Engravers' Machinery, etc.), 70 Cranberry
*Whale Creek Iron Works, 245 Huron
*§White J. H. Mfg. Co. (Gas & Electric Light Fixture Parts & Trimmings), 111 N 3d
*Wittemann Bros. (Bottlers' Machy. & Supplies, etc.), 41 Ferris
*Wright J. K., 390 Smith
*†Wurster F. W. & Co. (Wagon Axles, etc.), 375 Kent av

Boroughs Manhattan and Bronx.

NEW YORK—*§Acme Brass Works (Brass Finishers, etc), 147 Baxter
*Acme Pump & Tank Co., 19 W. 44th
*Allen Jno. F. Co. (Riveting Machines), 370 Gerard av
*†§Allis-Chalmers Mfg. Co. (See Milwaukee, Wis.), 50 Church
See adv index at end of book
*Allman Gas Engine & Machine Co. (Gas Engines, Ice Breakers, etc.), 461 Canal
Aluminum Casting & Mach. Co., 206 B'way
†American Abrasive Metals Co., 50 Church
*American Air Compressor Works, 558 Hamilton av
*†American Brake Shoe & Foundry Co., 30 Church
American Brass & Copper Co., 138 Lafayette
*†American Bridge Co. (Iron, Steel & Brass Castings), 30 Church
*†§American Car & Foundry Co., 165 B'way
American Huhn Metallic Packing Co., 1391 Sedgwick av
*†American Locomotive Co. (Locomotives), 30 Church. Works: Providence, R. I.
*American Malleables Co. (Malleable Iron Castings), 30 Church
*American Meter Co. (Gas Meters & Appliances), 105 W 40th
American Railway Supply Co., 134 Charles
*†American Smelting & Refining Co., 120 B'way
*American Writing Machine Co. (Typewriters), 20 E 23rd
*†§Ames Iron Works, 41 E 42d
Anaconda Copper Mining Co., 25 B'way
*Arthur Co. (General Machine Works), Produce Exchange
*Automatic Engraving & Mfg. Co. Inc. (Special Machy.), 476 B'way
*Automatic Sprinkler Co. of Am. (Fire Sprinklers), 123 William
*Automatic Switch Co. (Electric Devices), 154 Grand
*†Babcock & Wilcox Co. (The) (Water Tube Boilers & Castings), 85 Liberty
*Ballwood Co., The (Welded Pipe, etc), 30 Church
Baranowitz M (Machinist), 182 Centre
*Bassemir John & Son (Brass Finishers), 122 Centre
*Bay Gottfried (Millwright), 537 W 50th
*Bayer-Gardner-Himes Co. (Cabinet Hardware, etc.), 101 Park av
Beach-Russ Co. (Vacuum Pumps & Pressure Blowers), 38 Church, New York
See adv index at end of book
Beard Machine Co., Inc., 350 Walton av, Dept H
*Benton Mfg. Co. (Registering Machines, etc.), 9 Bethune
*Berggren & Pearson Machine Co. (Model & Experimental Work, Fine Machinery & Tools), 231 Canal
*Blair Tool & Machine Works (Machine Work), 521 Greenwich
*Bogue Chas. J. Electric Co. (Dynamos & Motors), 132 King
*Boucher H. E. Mfg. Co. (Special Machy., etc.), 150 Lafayette
§Bronze Metal Co. (Brass & Bronze Castings, etc.), 30 Church. Works: Meadville, Pa.
*†§Brown A. & F. Co. (Power & Rope Transmitting Machinery, Hangers, Pulleys, etc.), 79 Barclay
*Buffalo Brake Beam Co. (Brake Beams), 32 Nassau, Works: Buffalo, N. Y.
*Bulasky L. (Hat Machy., etc.), 43 Bleecker
*†Central Foundry Co. (Cast Iron Pipe & Plumbers Cast Iron Goods, etc.), 41 E 42d
*Chattillon Jno. & Sons (Hardware Specialties, Scales, etc.), 85 Cliff
CHICAGO PNEUMATIC TOOL CO. (Pneumatic Tools, Air Compressors, etc), 6 E 44th
See adv index at end of book
*†Clyde Iron Works Sales Co., 141 Centre *See adv index at end of book*
*Columbia Mills Inc. (Machine Shop for Own Use), 225 5th av
§Cory Chas. & Son, Inc., 183 Varick
*†Cottrell C. B. & Sons Co., 25 Madison sq. N. (See Westerly, R. I.)
*Coxe Traveling Grate Co., 43 Broad
*†§Crane Wm. M. Co. (Stoves, Grey Iron Castings, etc), 18 E 41st Works: Jersey City, N. J.
§Crown Fdry Co., 173 Grand
*Dale Lighting Fixture Co. (Electric Fixtures, etc.), 107 W 13th
*Davis-Warner Arms Corp., 96 Chambers
*Davies & Thomas Co., 342 Madison av
*Defiance Button Machine Co., 43 W 24th
De Hart Mfg. Co., 528 W 24th
§De La Vergne Machine Co. (Ice Machines & Oil Engines), 2101H E. 138th
*†Dexter Folder Co. (Paper Folding Machines), 28 W 23rd
*†§Diamond Match Co., 30 Church
D'Olier Centrifugal Pump & Mach. Co., 165 B'way
*Donnelly, Blanthorn & Co., 526 W 28th
*Dover Boiler Works, Sales Office, 40 Church (Steel Plate Work of All Kinds), Works: Dover, N. J.
See adv index at end of book
*Dowdall Chas. E. (Elevators), 152 W B'way
*Dudgeon Richard (Hydraulic Jacks, Tube Expanders, Presses & Steam Hammers), 24 Columbia
Dunn J Edward Co., 9 Bethune
*Durbrow & Hearne Mfg. Co. (Duplicate Parts, Machinery, etc.), 13 Wooster
*Edwards & Co. (Electric Appliances), Exterior & 140th
*Elterich Chas. Co., 180 Lafayette
*Erlandsen Julius (Matress Machinery, etc.), 172 Centre
*Ermold Edward Co., 656 Hudson
*Errington F. A. (Machine Tool Attachments), 11 John
Faw J. H., Inc., 27 Warren
Federal Adding Machine Corp., 33 E 21st
*Ford Thos. P. Co. (Steam Specialties), 407 Broome
*†§Fox Benj. Sons (Brass & Iron Fdrs. & Machinists), 513 W 34th
Frasse Peter A. & Co. Inc., 417 Canal
*†Fuchs & Lang Mfg. Co. (Lithographers' Supplies), 119 W 40th, Foundry, Rutherford, N. J.
*Furman & Fisher Corp., 32 Church
*Fyfe Alex. C. (Machinist), 602 W 44th
§Gallagher's James Sons (Brass Fdrs.), 87 Centre
*Gardam Wm. & Son, 114 Park pl
*Gartelmann Herman & Co., 246 Canal
*Gas Engine & Power Co. & Chas. L. Seabury & Co., Morris Heights
§General Machine Co., 359 E 155th
*Gitzendanner Muller Co. (Repairs), 15 Vandewater
*Glasgow Iron Works & Supply Co., 28 West
§Gorham Co., Architectural Bronze (Brass & Bronze Founders), 5th av & 36th
*†Gould Coupler Co. (Car Couplers & Malleable Iron Castings, etc.), 30 E 42d, Works: Depew, N. Y.
*§Gould-Mersereau Co. (Brass Fdrs. & Finishers), 52 W 38th
*Grabo E. O. Machine Works (Brass Working Machinery), 130 Centre
§Graf Frank H. Mfg. Co., 282 9th av, (fire place fixtures)
*†Graff Furnace Co. (Stoves, Furnaces, etc), 116 Wooster
§Gramercy Brass & Iron Works (Iron & Brass Fdrs), 615 10th av
*Greenlie-Halliday Co. (Machinists), 499 Water
*Gries Bros. (Hardness Testing & Marking Machines), 450 E 148th
*†Griscom-Russell Co. (Coppersmiths, Grey Iron, Brass & Bronze Castings, Forgings, Machinery, etc.), 92 West. *See adv index at end of book*
*Guerin P. E. (Inc.) (Brass & Bronze Goods, etc.), 21 Jane
*Haiss Geo. Mfg. Co. (Coal Handling Machinery), 369 Rider av
*Hall Frank A. & Sons (Bedsteads, etc.), 120 Baxter
*Hammond Typewriter Co. (Typewriters), 537 E 69th
Harris Benj. Co., 229 Bowery
Harrisburg Mfg. & Boiler Co., 15 Park row
§Harper Thomas (Brass Fdrs.), 204 Lafayette
*Hatch F. E. Co. (Paper Box Machinery), 93 Crosby
*†§Henry-Bonnard Bronze Co. (Archl & Ornamental Iron Wks. & Castings), 11 B'way
*Hess Bright Mfg. Co., 165 B'way
*Hill's F. J. Sons, 6 Howard
*Himoff Machine Co. (Tobacco Machinery), 50 Church
*Hindle Walter E., 28 Howard
†Hinkle Iron Co. (Iron Fdrs.), 534 W 56th
*†§Hoe R. & Co. (Printing Presses), 504 Grand
*Holgan Bros., 9 Baxter
*Holub-Dusha Co. (Marble Hole Cutting Machinery, etc.), 1799 1st av
*Homan J. & E., 435 W Broadway
*Horton John F., 242 Bradhurst
*Hvass Chas. & Co. (Machinist & Street Sweeping Machines), 508 E 19th
*Ideal Aeroplane & Supply Co., 165 Spring
*†§Ingersoll-Rand Co. (Air Compressors, Rock Drills, Mining Machy & Pneumatic Tools, etc.), 11 B'way Works: Phillipsburg, N. J., Easton, Pa., Athens, Pa., & Painted Post, N. Y., Littleton, Col.
See adv index at end of book
*International Motor Co. (Motor Trucks), 25H B'way
*§Janusch Mfg. Co. (Fire Place Finishings, Brass Fdry. & Finisher), 290 E 135th
*†Johnson Isaac G. & Co. (Steel Castings & Specialties), Spuyten Duyvil
*Johnson & Crowley (Printers' Machinists), 182 Centre
*Jordan Bros. (Elec. Machinery), 74 Beekman
*Judelshon Oscar L., 36 E 8th
*Kar Engng. Co. Inc., 79 E 130th
*Katzenstein Leopold & Co. (Metallic Packing), 358 West
§Keil Francis & Son (Builders' Hardware), 401 E 163d
*†Kellogg M. W. Co. (Pipe Welding, Joints, Condensers, etc.), 90 West. Works: Jersey City N. J.
See adv index at end of book
*†§Kennedy Valve Mfg. Co., 81 John
*Kennelly Jno. J., 826 10th av
*Kissinger's Jacob Sons, 352 W 13th
Klett H. G., 117 E 129th
*Kobert Machine Co. Inc. (Electric Riveters), 480 Lexington av
*Koberlein Fred'k, 508 W 24th
Krajewski-Pesant Corp. (Sugar Machinery, etc), 227 Fulton
*†Lalance & Grosjean Mfg. Co. (Grey Iron Castings, All Consumed by the Company), 299 Broadway. Works: Harrisburg, Pa.
*Lasker & Minck, 220 Broadway
*Lasker & Minck, 53 Park pl
*§Lehnert & Co., 334 E 23rd
Lenz Machine Works, 199 Franklin
*Levering & Garrigues Co. (Steel Structural Work), 552 W 23d
Levett Walker M. Co. (Brass, Bronze & Composition Castings), 417 E 23d
*Levi, Benjamin, 355 W B'way
*Lewthwaite T. H. Machine Co. (Punching & Shearing Machinery), 411 E 31st
*†Lord & Burnham Co. (Greenhouse Heating Apparatus & Builders, etc.), 30 E 42d. Works: Irvington, N. Y.
*Loyd John Co. (Dies, etc), 1 Franklin
Lindner & Vradenburgh (Machinists), 239 Centre
McAllister Dry Dock & Shipyard Co. (Marine Repairs), 24 State
*McCabe Hanger Mfg. Co. (Door Hangers, Ball-Bearing Wheels, Dies, etc), 426-28 W 25th
*†McDougall & Potter Co. (Steam Hammers, etc), Rider av & 141st
*McKiernan-Terry Drill Co. (Rock Drills, Jacks), 17 Park row
*McMillan & Werner (Pulleys, etc) 516 Pearl
§Magnolia Metal Co. (Anti-Friction Metal, etc), 113 Bank
See adv index at end of book
*Magor Car Corp. (Industrial Cars, etc.), 30 Church, New York. Works: Passaic, N. J.
*§Manhattan Brass Co., 332 E 28th
*Manhattan Repair & Supply Co., 528 W
MANNING MAXWELL & MOORE INC. (Ashcroft Mfg. Co., Div.), 100 E 42nd *See adv index at end of book*
*Mantle & Co., 1907 Park av
†Marcy Stove Repair Co. (Stove, Range & Heater Repairs), 74 Beekman. (Foundry: Perth Amboy, N. J.)
*†§Marine Mfg. & Supply Co. (Ship Machinery, etc)., 158 South
Markels Leonard, 45 W 41st
*§Martin B. M. (Brass Foundry & Finisher), 473 W Broadway
*Mason & Moore, 30 E 4th
Mayer & Kornbau (Iron Railings, etc), 13 Dry Dock
*Merit Machine Mfg. Corp., 465 Greenwich
*Mitchell Co., 621 W 24th
*§Mitchell Vance Co. (Gas & Electric Fixtures), 507 W 24th
*Moss Hy. & Co., 81 Broad
§*Murray & Sorensen, 227 W 17th
Nannen Chas. B. & Son, 108 Lawrence
*Nason Mfg. Co. (Machinists), 71 Fulton
See adv index at end of book
*§Nathan Mfg. Co. (Steam Specialties, Brass Founders, etc.), 416 E 106th
*†National Enameling & Stamping Co. (Grey Iron Castings, all Consumed by the Company), 411 5th av
*National Lead Co., 111 B'way
*Nelson Tool Co., Inc. (Dies, Special Machinery, etc.), 782 E 142d
*§Neptune Meter Co. (Water Meters), 50 E 42d. Works: Long Island City, N. Y.

(Continued on following page)

Machinists & Founders—Continued

NEW YORK—NEW YORK—Continued

*Nestor Mfg. Co. (Inc.) (Dies, Special Machinery, etc.), 40 W 13th
New Jersey Fdry. & Mach. Co., 90 West
*†New York Air Brake Co. (Air Brakes & R. R. Appliances), 165 Broadway
§New York Brass Foundry Co. (Brass Fdrs), 403 Broome
†*New York Engine Co., 165 B'way
*New York Novelty Co., 263 5th av
†Nichols D. M. Iron Works, 2 Gouverneur pl
*Nielson Anton E., 131 Grand
*O'Day P. H. & Son (Marine Works, etc.), 253 South
*Ogden J. Edward Co., 147 Cedar
Page Steel & Wire Co., Grand Central Terminal
*Pedersen Lubricator Co. (Tools & Special Machy.), 636 1st av
Pelton Water Wheel Co. (Water Wheels for Power, etc.), 100 B'way
*Phoenix Specialty Mfg. Co., 48 Duane
Pierce, Butler & Pierce Mfg. Corp. (Gas Ranges, Plumbers' Brass Goods & Iron & Brass Founders), 41 E 42d
*Plant Engineering & Equipment Co., 192H B'way
*Pollard-Alling Mfg. Co. (Addressing & Mailing Machines), 220 W 19th
†§*Port Morris Casting Co., 138th & Locust av
†§Power Specialty Co., 111 Broadway
*Pryibil P. Machine Co. (Wood Working Machy.), 520 W 41st
*†Quintard Iron Works Co. (Iron Fdrs. & Machinists), 40 Wall
*Ramsaier Wm. J., 95 Cliff
*Rathbun & Bird Co. (Printers' & Bookbinders' Machinery, etc), 17 Walker
*Rathbun & Co., 17 Walker
*Rees & Co. (Rider & Erickson Engines), 220 E 86th
*Regina Corp. (Music Boxes, Vacuum Cleaners, etc), 103 E 125th
*Reid Alexander & Co. (Engineers & Machinists), 165 Charles
*†§Remington Typewriter Co. (Typewriters), 374 B'way. Works: Ilion, N. Y.
*Revolute Machine Co., 417 E 93d
*†§Richardson & Boynton Co. (Stoves, Furnaces, Ranges, etc), 260 5th av
*†Rider Ericsson Engine Co. (Hot Air Pumping Engines), 20 Murray
Robins Conveying Belt Co. (Conveying & Hoisting Machy.), 15 Park Row
See adv index at end of book
*Rosenbaum Mfg. Co. (Gas Irons, etc.), 54 E 9th
*†Royal Typewriter Co., 316 B'way. Works: Hartford, Conn.
*Ruf Herman P., 417 E 93rd
*†Safety Car Heating & Lighting Co. (Car Heating & Lighting Apparatus), 2 Rector
Sands Alfred B. & Son Co., 20 Vesey
Sanitation Corp., 165 Broadway
Savage Arms Co. (Fire Arms, etc.), 50 Church
Schaad Paul, 179 Pearl
*Schlosser Mfg. Co. (Marine & Gasoline Engines), 151 E 126th
*Schmidt Bros., 909 Faile
*Schoenfeldt Wm., 787 3rd av
*§Scholl Adam, 225 E 138th
*Scott Walter & Co. (Printing Machinery), 1457 B'way. See Plainfield, N. J.
*Scott & Williams (Knitting Machy.), 366 B'way
Sedgwick Machine Works, 150 W 15th
Shapiro & Aronson (Gas Fixtures), 20 Warren
*Sharman Bros. (Jobbing), 256 Pearl
*Sier-Bath Co. (Gears), 143 W 54th
*Simplex Automobile Co. (Auto Bldrs.) 755 5th av. Works: New Brunswick, N. J.
*†Singer Sewing Machine Co. (Sewing Machines & Special Machy.), 149 B'way. Works: Elizabeth, N. J.
*Smith Winfield H. (Pulleys & C.), 14 Lock
*Smithe F. L. Machine Co., Inc., 633 W 44th
†§Southard Robertson Co. (Stoves, Ranges, Furnaces, etc), 259 Water
*Staley Elec. Elev. & Mach. Co. (Electric Elevators, etc), 153 Greene
*†Standard Coupler Co. (Steel Platforms, Car Couplers, etc), 110 E 42nd
*Standard Iron Works, 508 E 74th
*Standard Player Hardware Co., 512 W 36th
Standard Steam Specialty Co., 366 3rd av
*†Steinway & Sons (Piano Plates ,etc.) 109 E 14th. Works: Astoria, Borough of Queens, New York City
§Sterling Bronze Co. (Bronze Fdrs. & Gas & Electric Fixtures), 201 E 12th
*Stimmel Samuel, 542 W 22nd
Stolz Jos. & Son, Inc., Commerce av, & W 170th
Storage Battery Supply, 339 E 37th
Strauss Ferdinand, Irving pl & 16th
*Sullivan Jno. W. Co., 827 E 9th
Superheater Co., 17 E 42nd
*Tabulating Machine Co., 50 Broad
Taylor-Martin Corp., 233 Broadway
*†Thatcher Furnace Co. (Hot Air Furnaces, Stoves, etc.), 135 W 35th. Works: Newark, N. J.
*Thompson Hervey (Builders' Iron Work & Machinist), 233 B'way
*Tiffany & Co. (Jewelers), 37th & Fifth av
*Tirrill Gas Mach. Lighting Co., 50H Church
*Trapp & Kuehnle (Printers' Machinists), 245 Pearl
*§Troy Laundry Machinery Co. (Laundry Machinery), 133 Centre
*†Turl Iron & Car Co. (Sugar Machy., etc.), 50 Broad. Works: Newburg, N. Y.
*Turner Machine Co., 180 Worth
*†§Tuttle & Bailey Mfg. Co., 2 W 45th
*Uehling Instrument Co. (Pyrometers, Composimeters, etc.), 71 B'way
*Underwood Typewriter Co., 30 Vesey. Works, Hartford, Conn.
*†Union Stove Works (Stoves, Furnaces, etc.), 70 Beekman. Works, Peekskill, N. Y.
U. S. Cloth Cutting Machine Co., 414 W B'way
*United States Gauge Co., 44 Beaver
§Van Kannel Revolving Door Co., 250 W 54th
*Visigraph Typewriter Co. (Typewriters), 37 W 116th
Wallace Addressing Machine Machy. Co., Inc., 116 W 14th
*Walter N. C. & Sons, 3 Park row
*†Warren Fdry. & Pipe Co. (Cast Iron Pipe & Water Wks. Specialties), 11 Broadway
†Washburn & Granger, 50 Church
†Waterman Hy. & Bro. (Gas & Oil Stoves), 195 Lewis
*Watkin M., 35 Pike
*§WATSON-STILLMAN CO. (Hydraulic Machinery, etc.), 38 Church. Works: Aldine, N. J.
See adv index at end of book
*Wendtland Wm. (Button Machinery), 51 Mercer
*Wenning Jno., 225 E 106th
*†§Western Electric Co., 463 West
*Westervelt J. W. & Co. (Special Machinery, etc), 198 William
Wheeler Condenser & Engineering Co. (Pumps, Condensers & Sugar Machinery), 149 B'way. Works: W. Carteret
Wilson-Maeulen Co., 383 Concord av
*Winter Louis F., 418 W 27th
Wolfschlag Joseph A., 253 William
Worthington Pump & Machinery Corp., 115 B'way
*Zeidler Wm. A. Co. (Laundry Machinery), 163d & Melrose av
*Zuhr, Henry, 489H Broome

Borough of Queens.

ASTORIA—*Astoria Machine Works, 54 Fulton av
†Brooklyn Fdry. Co., Orchard
*§Federal Brass & Bronze Co., Ridge
*Ward & Co., 54 Fulton av
GLENDALE STATION—*V. & O. Press Co. (Presses, Dies, etc.), Dry Harbor rd
LONG ISLAND CITY—*Boyce Alex. R. ft. Front
Dobbins Core Drill Co., Inc., 81-85 Sixth st
See adv index at end of book
*§Federal Brass & Bronze Co., Ridge
*§Franklin Brass Foundry (Brass Castings, etc.), 100 Young
*General Vehicle Co. (Electric Auto Trucks), Star av
Lauraine Magneto Co., Inc., 181-13th
*Long Island Machine & Marine Construction Co., ft. E. av
*†§McGee Jos. Iron & Brass Fdry. Co. (Iron & Brass Fdry.), 51 6th
*†§Neptune Meter Co., Crane (See York City City)
§Queens Borough Brass & Bronze Fdry, 184 B'way
*§Rhoades R. W. & Co.
*†§Russell Foundry & Machine Wks. (Iron & Brass), 51 6th
*†§Steinway & Sons (Piano Plates, etc.)
*Sweeney & Gray (Engineers & Machinists), 83-85 6th
*§Tiffany Studios, Corona
Walsh & Allen, 15 Wilbur av
*Wegner Machine Works (Stone Working Machinery), 63 Mills
MARINERS HARBOR — Staten Island Shipbuilding Co., 3075H Richmond Terrace
MASPETH — (N. Y. City) — *MERRILL BROS. (Mfrs. of Turnbuckles, Drop Forgings, Vises, Presses, Drop Hammers, etc.), 3 Arnold
See adv index at end of book
*†§Richey, Browne & Donald (Iron Arch'l & Ornamental Work & Castings), Flushing av
RICHMOND HILL — §†Richmond Hill Fdry. Co.

Borough of Richmond.

PORT RICHMOND — *Carlson & Russ, 2319 Richmond ter.
PRINCES BAY—*†§White S. S. Dental Mfg. Co.
WEST NEW BRIGHTON—*McAllister Dry Dock Co. (Marine Repairs) (See New York)
*†McWilliams Frank (Inc.), (Shipbuilders & Dry Dock), Burgher av

(End of New York City)

NIAGARA FALLS—*Carborundum Co. (Carborundum Wheels & Aloxite Grinding)
*†Central Machine Co. (Printing Press Machinery)
*Chisholm-Scott Co. (Pea Hulling Machinery, etc.)
*†§Dobbie Foundry & Machine Co. Hoisting Engines, Cars, Cranes, Hoists & Iron & Brass Castings, etc). *See adv index at end of book*
§Frontier Brass Foundry
*McGarigle Machine Co. (Miniature Locomotives)
*Morrison J. L. Co. (Wire Stitching Machines, etc.)
†Niagara Falls Furnace Co.
†Niagara Foundry Co.
*Philpott & Leuppie Co. (Machinists)
Pittsburgh Metallurgical Co.
*Ralston W. & Co., Inc.
*†Ramapo Iron Works (Castings & General Track Equipment). Wks. also Hillburn, N. J.
*U. S. Light & Heat Corp. (Car Heating & Lighting Apparatus)
NORTH HARPERSFIELD — *†Dayton, Wm. H.
NORTH TONAWANDA—*†§American District Steam Co.
*†§Buffalo Steam Pump Co. (Steam Pumps, etc.)
*†§Herschell, Spillman & Co. (Merry-go-Rounds, etc. & Park Carnival Devices)
*†§Miller Foundry & Specialty Co. (Plumbers Brass Goods)
*†Niagara Radiator & Boiler Co. (Radiators & Cast Iron Heating Boilers)
*Peirce-Brown, Inc.
*§Stewart Heater Co. (Brass Foundry, Heaters, Pumps, etc))
NORWICH—*†§Ireland Machine & Foundry Co.
*Maydole David Hammer Co.
NUNDA—*Foote C. Mfg. Co. (Concrete Mixers & Gas Engines)
NYACK—*Ofeldt Gas Fired Boiler Co., Inc. (Gas Fired Tubular Boilers)
OGDENSBURG—*†§Dunn Walter E. (Gasoline Engines)
*†§Fell Jos. E.
*†§Hackett Patrick Hardware Co. (Brass & Iron Founders)
*§Newell Mfg. Co.
*Ogdensburg Machine Co. (Machinists)
§Seeley John A. Mfg. Co.
*Silver H. & Son
OLEAN—*†§Carley Heater Co. (Tannery Machinery, etc.)
Clark Bros. Co. (Saw Mill Machy., etc.)
Luther Mfg. Co. (Punching & Shearing Machinery), Dept. H
*Myrick Machine Co. (Gas Engines, etc.)
ONEIDA—†Cheney S. & Son
*Coles Tool & Machine Co.
†Kelly & Kennedy
*Mohawk Valley Mfg. Co. (Carriage & Auto Hardware, etc.)
*Westcott Chuck Co. (Drill & Lathe Chucks)
ONEONTA—*Gorham H. E. (Machinist)
*†§Titchener-Culver Iron Works
ORANGEBURG—*Fibre Conduit Co. (Air Tools, etc.)
ORISKANY—†Oriskany Malleable Iron Co., (Ltd.) (Malleable Iron Castings)
ORWELL—*†§Olmstead A. E.
OSSINING—*Kipp Engine Works
OSWEGO—*Baker Benjamin
*§Hessler Foundry & Mfg. Co. (Iron Castings)
*†§Kingsford Foundry & Machine Works (Steam Engines, etc.)
*Kitts Mfg. Co. (Steam Specialties, etc.)
Kitts Steam Specialty Co.
†§Oil Well Supply Co. (See Pittsburgh Pa.)
Oswego Tool Co. (Tools, etc.)
*Railway Steel Spring Co. (See New York City)
†§Sawyer Brass & Iron Fdry.
OWEGO—*Champion Wagon Co. (Grain Drills, etc.)
*Stevens Norton A. (Machinist)
PAINTED POST — *Townsend Fred J. (Wire Stretchers)
*Warns Wm. H.
PALMYRA—*†Peerless Printing Press Co.
PATCHOGUE—*Roe Justus & Sons (Rowler Awning Fixtures, Tape Measures, etc.)
PEARL RIVER — *Braunsdorf John H. (Printing Presses)
PEEKSKILL—†§Fox J. M. Iron Wks.
†Mohegan Stove Co.
*†§Naylor Bros.
†§Southard - Robertson Co. (Stoves, Ranges, Furnaces, etc.)
†Union Stove Works (Stoves, Furnaces, etc.) (See New York City)
PENN YAN—†§Commercial Iron Works Co.

PHELPS—•†Crown Mfg. Co. (Grain Drills, etc.)
PHILMONT—•American Raveller Co.
PHOENIX—•Scusa Lino
PIFFARD—•Shattuck T. N.
PLATTSBURG—•†§Plattsburg Fdry. & Machine Co.
•Williams Mfg. Co. Ltd. (Typewriters)
PORT CHESTER—†Mills Wm. A. Brass Co. (Brass, Bronze & Aluminum Castings)
†Mills Wm. A. Brass Co. (Brass, Bronze & Aluminum Castings)
•Port Chester Machine Works
•Russell, Burdsall & Ward Bolt & Nut Co. (Bolts, Nuts, etc.)
†Taylor J. A.
PORT JERVIS—•Jennings & Griffin Mfg. Co. (Saws)
†Swinton & Co. (Fdrs. & Hardware)
POTSDAM—Leete Chas. H.
POUGHKEEPSIE—•†De Laval Separator Co. (Dairy Implements, etc.)
•†§Dutchess Foundry Co.
•Hart Frederick & Co. (Build and Develop All Kinds of Inventions and Special Machinery), 837 Main
†Hudson River Foundry Co.
•†Mitchell Co., Inc.
•†§Moline Plow Co. (Adriance Platt branch)
•†Poughkeepsie Foundry & Machine Co.
•Sedgwick Machine Works
•Standard Machine Key Mfg. Co.
•Tiffany Machine Shop
PRINCE BAY—†§•White Dental Mfg. Co. S. S.
PULASKI—†§•Olmstead A. E. & Sons
RAMAPO—•†Ramapo Foundry & Wheel Works (Car Wheels & Castings of All Descriptions)
RANDOLPH—•†§Pike F. H. (Foundry & Machinist)
RAVENA—•†Ravena Iron Co.
RICHFORD—•Hilts Wrench & Mfg. Co. (Car Movers, Pipe Wrenches, etc)
RIPLEY—•Huntington Alfred
ROCHESTER—•†§Am. Laundry Machinery Co. (See Cincinnati, Ohio)
•†American Woodworking Machinery Co. (Woodworking Machinery)
•Ashley Machine Works
•Atlantic Stamping Co. (Tinware Mfrs.), 156-180 Ames
•Auburn Ball Bearing Co. (Ball Bearings, etc.), 26 Elizabeth
•§Bausch & Lomb Optical Co. (Scientific Instruments, etc.)
•Booth Bros. Co. (Shoe Machinery)
•Bourne Jno. R. (Dies, etc.)
•Boutell Mfg. Co. (Apple Evaporating Machinery)
•Clark Cadle Harmon Corp. (Washing Machines
§•Clark Hdwe. Mfg. Co.
•Cochrane-Bly Co. (Cold Saw Cutting-off Machines, etc.)
†Co-Operative Foundry Co. (Stoves, etc.)
•†Connell & Dengler Machine Co. (Woodworking Machinery)
CONSOLIDATED MACH. TOOL CORP. OF AMER. (Boring & Turning Mills, Saw Tables, Drills, etc.) *See adv index at end of book*
•Eisler Mfg. Co. (Special Machinery)
•†Enterprise Foundry Co. (Hot Air Furnaces & Iron & Composition Castings)
•Erdle Perforating Co. (Machine Tools, Perforated Metals, etc.), 171 York
See adv index at end of book
†Erie Foundry Co. (Iron Fdrs.)
§Flower City Fdry. Co.
•Funck Philip Corp.
†Galusha Stove Co. (Stoves, Ranges & Furnaces)
•§General Railway Signal Co. (Railway Signals, etc.)
•†**GLEASON WORKS** (Iron Frds., Gears, Gear Cutters, etc.), 1000 University av.
See adv index at end of book
•Goette Rudolph F. A.
•Harrison Machine Co., Inc., 144 Platt
•Heughes F. L. & Co. (Builders' Iron Work & Castings)
•Huther Bros. Saw Mfg. Co. (Saws, Cutters, etc.)
See adv index at end of book
•†Judson Governor Co. (Steam Engine Governors)
•Judson Pin Co.
•Klip-Klip Co. (Nail Clippers)
•Knowlton M. D. Co. (Paper Box Machinery), 26 Elizabeth
•Kohlmetz Chas. E.
•Kolhmetz H. L.
•Mack & Co. (Edge Tools, Machine Knives)
•Morgan Machine Co. (Boxmakers' Machinery, etc.)
Morley Mach. Corp'n (Machine, Tools, etc.), 814 St. Paul
•Mutschler A. & H. G. (Elevator Motors, etc.), 77 N Water
•†§National Car Wheel Co. (See Pittsburg, Pa.)
North West Foundries, Inc.
•Paragon Machine Co. (Blue Printing Machy.), 501 Engineering Bldg.
•Parry Samuel R. (Paper Box Machinery)
•Patric Milan W. (Machinists, Punches, Dies, etc.)
†Progressive Fdry. Co.
•Ricker Mfg. Co.
•**RITTER DENTAL MFG. CO., INC.** (Dental Equipment, etc)
•Rochester Barrel Machine Works
§Rochester Bronze & Aluminum Co., Inc.
•Rochester Machine Screw Co.
•Rochester Motors Co. (Engines, Motors, etc.)
•§Sargent & Greenleaf, Inc. (Bank & Safe Locks, etc.)
•Selden Truck Corp., Probert
•†§Sill Stove Works (Stoves, Ranges & Furnaces)
•Sohn Daniel Machine Co.
•Stein Wm. P. & Co. (Surface Grinders, dies, etc.)
•Taylor-Shantz Co. (Special Machy)
•Weidner C. A. Co.
•§Werner John & Sons (Confectionery Machinery)
•†Willsea Works (Special Machinery)
•§Wray Henry & Son (Brass Founders)
ROME—•†Adams S. & Son
•§Doyle W. J. (Light Machinery, Brass & Aluminum Castings, etc.) etc.)
•Harris C. S. Co. (Power Hoisting & Carrying Machines)
•Rome Engineering Works, Dept H
§Rome Mfg. Co.
•†Rome Metallic Bedstead Co.
•†Rome-Turney Radiator Co. (Radiators, etc.)
ST. JOHNSVILLE—•Clark Machine Co. (Grain Threshers, etc.)
SARATOGA SPRINGS—Baker Mfg. Corp. (Paper & Pulp Mill Machinery, Grey Iron Castings, etc.)
SAUGERTIES—†§•Saugerties Fdry. & Mach. Co
SCHENECTADY—•†§American Locomotive Co. (Locomotives). (See New York City)
•Kehoe C. C.
S.-R. Mfg. Co.
•†§Westinghouse Co. (Agrl. Implements, Threshers, Stackers, etc.)
SENECA FALLS—•Davis E. C. & Co. (Plumbing Specialties)
§Knight H. W. & Son
SHORTSVILLE — •Papec Machine Co. (Feed Cutters, Cream Separators, etc.)
•Star Seeder Co. (Agrl. Implts.)
SIDNEY—•Lakin Bruce (Machinist)
SILVER CREEK—Columbia Postal Supply Co.
•†§Howes S. Co. (Grain, Coffee and Rice Cleaning Machinery, etc.)
SODUS POINT—•†Seely D. W.
SOLVAY—•Pass & Seymour (Electric Specialties)
SPRINGVILLE—Smith & Smith
STOCKPORT—•Philip Rossman
SYRACUSE—•Ames Iron Works (Engines etc.)
•†Bradley C. C. & Son (Power Hammers, etc.)
•Brennan Motor Mfg. Co. (Gasoline Engines)
•Brown-Lipe-Chapin Co. (Auto Gears, etc.)
•Brown-Lipe Gear Co. (Auto Gears, etc.)
Burlingame Mfg. Co.
•§Caldwell E. R. & Son Brass Co.
Caldwell & Ward Brass Co.
•Chase Motor Truck Co. (Auto Truck Builders)
•Continental Can Co.
•Crouse-Hinds Co. (Electrical Specialties)
•Doyle & Devereaux, Industrial Bldg.
Dunning & Boschert Press Co., Inc. (Presses, etc.), 379 W Water
See adv index at end of book
†Empire Foundry Co.
•†Engelberg Huller Co. (Rice & Coffee Machinery, Grey Iron Castings)
§Franklin Die-Casting Corp. (Special Alloy Castings), Gifford & Magnolia
See adv index at end of book
Gale O. M. Tool & Machy. Co., 303 Wallace
†§Globe Malleable Iron & Steel Co (Malleable Iron & Vanadis Annealed Steel Castings), 101 Greenway av
•Houser Elevator Co. (Elevators)
•Kane & Roach (Carriage Builders' Machinery)
Lamson Co., Inc. (Carriers, Conveyors, etc.)
†Landers W. H. Co. (Stoves, Furnaces, Ranges, etc.)
•Leighton H. J. (Marine Gasoline Engines)
•Lipe W. C. (Dies, Tools & Special Machinery)
•§Oberdorfer M. L. Brass Co. (Brass Founders), 810 E Water
•Onondaga Brass Co. (Brass, Bronze & Aluminum Castings)
•Porter-Cable Machine Co. (Lathes, etc.)
†Reddin Iron Works (Iron Founders)
•Rollway Bearing Co., Inc. (Roller Bearing Journal Boxes, etc.), 541 Seymour
§Senk J & W (Brass Founders)
•Shaw Coupling Co. (Power Transmission Appliances, etc.)
•†Smith & Caffrey Co. (Grey Iron Castings & Ornamental Iron Wk.)
•Smith L. C. & Bros. Typewriter Co. (Typewriters)
•Smith Wheel Co. Inc., 100 N Geddes
§•Standard Brass & Aluminum Fdry. Co., Inc.
•†§Stearns E. C. & Co. (Grey Iron Castings, Hardware Specialties, etc.), 450 Oneida
•†Straight Line Engine Co. (Grey Iron Castings, Loam or Green Sand to 20,000 lbs.)
•Syracuse Bridge Co.
•†Syracuse Chilled Plow Co. (Plows, Harrows, Cultivators, etc.)
•§Syracuse Faucet & Valve Co. (Brass Founders, Finishers & Plumbers' Brass Goods), Eastwood, N. Y.
•†Syracuse Malleable Iron Works (Refined Air Furnace & Iron Castings)
•Syracuse Safe Co. (Safes, etc.)
•Thompkins Bros. Co. (Textile Machinery)
•U. S. Hofmann Co. (Cloth Pressing Machines)
•Westinghouse Electric & Mfg. Co., University
See adv index at end of book
•Wonder Mfg. Co. (Gasoline Engines)
THERESA—•†§Wakefield Jas. W.
TICONDEROGA—•†§Ticonderoga Machine Works (Paper Mill & Mining Machy.)
TONAWANDA—•American Engine & Boiler Works (Engines, Boilers, etc.)
•†§Gillie Machine Co. (General Repair Work, Contractors, Factory & Marine)
TROY—•Adams Laundry Machinery Co. (Laundry Machinery)
•American Blower Co. (See Detroit, Mich.
•†Bascom & Co. (Patterns & Models for Stoves, Heaters & Machy)
•Burden Iron Co.
†Burdett, Smith & Co. (Stoves)
•†Carr J. B. Woodhouse Co., Inc. (Chains, etc.)
•Covert Mfg. Co. (Hardware Specialties)
•†Fuller & Warren Co. (Stoves & Heating Apparatus)
•§Gurley W. & L. E. (Surveying Instruments, etc.)
•Hammett H. G. (Railroad Specialties, etc.)
•Hislop James W. (Iron Founders)
•Interstate Machinery Co. (Paper Box & Laundry Machinery)
•Knowlson & Kelley Co.
•†Ludlow Valve Mfg. Co. (Iron & Brass Founders, Valves, Fire Hydrants & Water Works Supplies), ft. of Adams
§Meneely Bell Co. (Bell Founders, etc.)
•Morey Alex. W. (Machinist)
†Neemes Bros. (Machinery Castings, Shaking Grates, etc.)
•†Phillips & Clark Stove Co. (Stoves). (See Geneva, N. Y.)
•Rail Joint Co. (See New York)
•†§Rensselear Valve Co. (For Own Use Only, Iron Founders, Valves, Fire Hydrants & Waterwork Supplies), Dept H
†•Reynolds-Chalon Fdry. Co.
•§Ross Valve Mfg. Co. (Valves, Fire Hydrants) 9 Oakwood av.
•†Taylor Electric Truck Co. (Electric Car Trucks, etc.)
•Tolhurst Machine Works (Hydro-Extractors, Laundry Machinery, End Grain Cutting Board & Shrinking Machines)
•Troy File Works (Files, etc.)
†•Troy Foundry & Machine Co., Inc. (grey iron castings)
•Troy Laundry Machy. Co.
†Troy Malleable Iron Works of Eastern Malleable Iron Co. (All Kinds of Malleable Iron Castings)
Vedder Pattern Wks. (For Stoves & Heaters)
•†West Side Structural Co. (Structural & Ornamental Iron Work, etc.)
§Wheeler Bros. Brass Foundry (Brass & Bronze, Castings)
UNADILLA—•Teller R. K.
UTICA—•Brunner Mfg. Co., Broad
•Divine Bros. Co. (Buffing & Polishing Wheels, etc.)
•†Eureka Mower Co. (Agril. Implts.), 1005H Hickory
•Firsching Jos. (Textile Machinery)
•†§Foster Bros. Mfg. Co. (Iron Beds, etc.)
•†Giblin & Co. (Stoves, Furnaces, etc)
•†Hart & Crouse Co. (Heating Apparatus, Hot Air Furnaces, etc.)
Hasselbart-Whiton Co.
•†International Heater Co. (Heating Apparatus, etc.)
†Munson E. G.
•†Munson Mill Machinery Co. (Flour Corn & Feed Mill)
•Northern Tool Co. (Valves, Gauges, etc.)
•Savage Arms Corp. (Fire Arms, etc.)
•Schrier Walter (Machinists & Elevators)
•Standard Brass Mfg. Co. (Plumbers' Brass Goods)

(Continued on following page)

Machinists & Founders—Continued

NEW YORK—UTICA—Continued

*Steber Machine Co. (Knitting Machinery)
§Utica Brass Works (Brass Founders)
*Utica Drop Forge & Tool Co. (Forgings, Hardware, Pliers & Nippers)
*Utica Fire Alarm Telegraph Co.
*†Utica Heater Co. (Heaters & Furnaces)
*†Utica Steam Engine & Boiler Works (Engines, Boilers & Machinery)
§Utica Valve & Fixture Co.

VERNON—*†Pohl Geo. D. Mfg. Co. (Gasoline Engines, etc.)

VOORHEESVILLE — †Bloomingdale F. (Iron Fdry.)

WALTON—Walton Foundry Co.

WARSAW—*†§Warsaw Elevator Co.

WATERFORD — *†§Eddy Valve Co. (Valves, Fire Hydrants, etc.)
*Miller H. C. (Collar & Cuff Machines)
*Parker A. A. (Pumps, etc.)
§Simcox J. H.

WATERTOWN—*Babcock H. H. Co. (Auto Cars)
*†§Bagley & Sewall Co. (Iron Fdrs. & Paper & Pulp Machy.)
§Bragger J. J.
*†Harmon C. A. & Son
*†Lance Geo. A.
*Lawrence & Hill
*†Massey Machine Co. (Steam Engine & Turbine Governors)
*†§New York Air Brake Co. (Air Brakes & R. R. Appliances) (See New York City)
*Stebbins Eng. & Mfg. Co. (Mill Machinery)
§Timlick E. W.
*Watertown Specialty Co. (Cocks, Valves, etc.)
*§Wise J. B. Inc. (Plumbers' Goods, etc.)

WATERVILLE—*Daniels Samuel A.
*†Waterville Fdry. & Mfg. Co. (Paint Grinding & Mixing Machy.)

WATERVLIET—Adirondack Steel Foundry Co.
†Covert Mfg. Co. (See Troy, N Y)
§Meneely Geo. R. & Son (Car Bearings)
*§Meneely & Co. (Bell Fdrs.)
†*West Side Fdry. Co.

WATKINS—†§*Frost C. S. & C. H.

WAYLAND—†§*Kiel J. F.

WEBSTER—*Jennings E. M.

WEEDSPORT—*Burritt O. W. & Bro. (Machine Tools, etc.)

WELLSVILLE—*†§Clark & Norton Mfg. Co. (Engines, etc.)
*Kerr Turbine Co. (Steam Turbines)
*†§McEwen Bros. (Inc.)

WEST COXSACKIE—†Walther Bros.

WESTMORELAND—†Westmoreland Malleable Iron Co. (Ltd.)

WHITE PLAINS—Baker's Sons J. & Perkins Co., Inc. (Bakers', Rubber, Macaroni Kneading & Mixing Machines, etc.)

WHITESBORO—†*Utica Heater Co.

WILLIAMSON—*Fuller & Cooper (Spraying Machines, etc.)

YONKERS—*†§Allen David E. (Iron Fdry.)
*Morris Thos. Jr. (Est. of) (Machinist)
*†§Otis Elevator Co. (See New York City)
*†Saunders' D. Sons (Inc.) (Pipe Cutting & Threading Machines)
*Skinner & Connolly (Machinists)

YOUNGSTOWN—*†Ripson Wm. & Son (Iron Fdrs. & Plows, Cultivators, etc.)

NORTH CAROLINA.

ASHBORO—*†Ashboro Wheelbarrow Co.

ASHEVILLE—*†§Carolina Machinery Co.

AURORA—*Cherry Implement Co. (Ag'l Implements)

BURLINGTON—†§*Sykes Bros.

CARDENAS—*Wake Machine Works

CHARLOTTE—*†Alexander & Garsed
Charlotte Pipe & Foundry Co. (Cast Iron Pipe, etc.)
*†Cole Mfg. Co. (Seed Planters)
*Jarrell W. G. Machine Co.
*†§Liddell Co. (Cotton Ginning Machines, Steam Engines, etc.)
*§Mecklenburg Iron Works (Saw Mill & Mining Machinery, etc.)
*†§Moffatt Machinery Mfg. Co. (Pumps, Elevators, etc.)
*†§Park Mfg. Co. (Belt & Power Elevators, etc)
*Whitted T. B.

CONCORD—*†§Concord Foundry & Machine Works Co.

DUNN—*†§McKay J. A. Mfg. Co. (Machinists & Iron & Brass Castings of All Kinds)

DURHAM—*†§Durham Fdry. & Machine Works (Brass Bronze & Grey Iron Castings)
*†§Durham Iron Works Co.
*†§North Side Foundry Co.

ELIZABETH CITY—†§Elizabeth City Iron Works & Supply Co. (Mill & Boat Supplies & Cultivators)

FAYETTEVILLE — *†§Carolina Machine Co.
†Wards Plow Wks.

GASTONIA—†§*Crocker Mach. & Fdry. Co.

GOLDSBORO—*†§Dewey Bros. (Iron Fdrs, etc.)
*†Wayne Agricultural Works (Plows, etc.)

GREENSBORO—*Clymer L. M.
*†Cook-Lewis Foundry Co.
*†Glascock Stove & Mfg. Co. (Stoves & Hollow Ware, Plow Castings, Special Machinery, etc.)
*Newman Machine Co. (Woodworking Machinery, etc.)
*†§Sergeant Mfg. Co. (Fdrs. & Machinists & Ag'l Implts.)
*Wysong & Miles Co. (Woodworking Machines)

GREENVILLE—*Humber R. L. Machine Works

HICKORY — *†§Latta-Martin Pump Co. (Pneumatic Pumps)
*†Piedmont Fdry. & Machine Works

HIGHPOINT—†High Point Metallic Bed Co.

HILDERBRAN—†§*Bally Mach. Co.

KINSTON—Kinston Iron & Mantel Wks.

LAURINBURG—*Blue Jno. (Machinist)

LEXINGTON—*†§Thompson's C. M. Sons

NEWBERN—*†§Craven Foundry & Machinery Co.
†§Gaskins Fdry. Co.
*†§Newbern Iron Works & Supply Co.

NORTH WILKESBORO — †§*Lineberry Fdry. & Mach. Co.

PINETOWN—*†§Parker Surry (Hoisting Engines, Logging Machines)

RALEIGH—*†§Raleigh Iron Works Co.

RUTH—†§*Ruth Mfg. Co.

SALISBURY—†*N. C. Steel & Iron Co.

SANFORD—*†§Moffitt Iron Works Co. (Engines, etc)

SHELBY—*†§Shelby Foundry Co.

STATESVILLE—*†§Steele J. C. & Sons (Brick Machy., etc.)

WAKE FOREST—*†Wake Forest Foundry Co. (Plows, Castings, etc.)

WANANISH—*Council Tool Co. (Tools, etc.)

WASHINGTON—†§*Beaufort County Iron Wks., Inc.

WILMINGTON—Broadfoot Iron Works, Inc. (Marine Casting & Vertical Boilers)
*†§Wilmington Iron Works (Machinists, Founders, Engineers, Shipwright Boilermakers, Blacksmiths, Electric & Acetylene Welding)

WINSTON-SALEM—*†§Briggs-Schaffner & Co.
*†§Carolina Foundry & Machine Co.
†Reynolds R. J. Tobacco Co.
*†§Salem Iron Works (Engines, Saw Mills, Coffee & Rice Plantation Machinery, etc.)
*†§Vance J. A. & Co. (Fdrs. & Machinists, Woodworking Machinery, etc.)

NORTH DAKOTA.

CANDO—*†Cando Implement Co. (Agrl. Implements)

FARGO—*Fargo Bridge & Iron Co.
*†§Fargo Foundry Co. (Gasoline Engines, Light & Heavy Castings)

GRAND FORKS—*†§Grand Forks Foundry & Machine Co.

OHIO.

ADDYSTON—*†U. S. Cast Iron Pipe & Fdry. Co. (See New York City)

AKRON—*†Adamson Machine Co. (Rubber Machinery, etc.)
*Akron Cultivator Co. (Agrl. Implts., Cultivators, etc.)
*Akron Gear & Engineering Co. (Cut Gears, etc.), 55 E South
*Akron Rubber Mold & Machine Co. (Rubber Molds, etc.)
Akron Standard Mold & Mach. Co.
†Akron Steel Casting Co.
*Bridgewater Machine Co.
*Burger Iron Co. (Bldrs. Steel Work)
Burt Mfg. Co., The (Oil Filters, etc.), 40 Main
See adv index at end of book
†Diamond Fdry. Co.
East Akron Mach. Co.
*Enterprise Mfg. Co. (Metal Specialties & Fishing Tackle, etc.)
*Garl Electric Co. (Annunciators & Telephones & Apparatus)
†Imperial Electric Co. (Dynamos, Generators, etc.)
†Knapp John & Sons Fdry. Co.
*Kuhike Machine Co., Dept. H
*Nitz & Darkow
*Ornamental Iron Works Co.
*South End Machine Co.
*†Star Drilling Machine Co. (Well Drilling Machinery, etc.)
†Summit Foundry Co.
*†§Taplin-Rice-Clerkin Co. (Stoves, Furnaces, Clay Working Machinery, etc.)
*†XXth Century Heating & Vent. Co. (Steam Heaters & Hot Air Furnaces)
*Wadsworth Core Machine & Equipment Co., 10 W Buchtel
*†§Wellman-Seaver-Morgan Co.
*†Williams Foundry & Machine Co. (Hydraulic Presses, Vulcanizers, Tire Factory Equipment, etc.)
See adv index at end of book
*†Wise Furnace Co. (Hot Air Furnaces, etc.)

ALLIANCE—§Alliance Brass & Bronze Co. (Brass Founders)
*Alliance Machine Co. (Cranes, Riveters, Punches, Steam Hammers, Presses, Shears & Rolling Mill Machy.)
*†American Steel Foundries Co. (Open Hearth Castings) (See Chicago, Ill.)
*Bottomley Machine Co. (Jacks, etc.)
*Buckeye Jack Mfg. Co. (Lifting Jacks, etc.)
Machine Steel Castings Co.
*†§Morgan Engineering Co. (Cranes, Steam Hammers & Hydraulic & Rolling Mill Machy.)
*Reeves Bros. Co. The, (Boilers, Tanks, etc.)
See adv index at end of book
*Woods Engineering Co. (Tool Grinders, etc.)

AMHERST—†§Rice Tracy J.

ARCANUM—Bluebaugh W. F. (Jobbing)
*Quick-Change Chuck Mfg. Co.

ASHLAND—§Ashland Brass Foundry
*Elite Mfg. Co. (Concrete Mixers, Auto Jacks, etc.)
*Hunter Jas. S.
†§Myers F. E. & Bros. (Pumps & Agrl. Imps., etc), 950 Orange
See adv index at end of book
*Safety Door Hanger Co. (Door Hangers)

ASHTABULA—*†American Fork & Hoe Co. (See Cleveland, O.)
*†§Barber Mfg. Co. (Furnaces, Hdw. & Plumbers' Specialties & Iron Fdrs., etc.)
*†McKinnon Iron Works Co.
*†§Phoenix Foundry & Machine Co.

ATHENS—*†§Athens Foundry & Machine Co.
*McBee Binder Co. (Loose Leaf Binders)

AVERY—*Hoover Mfg. Co. (Potato Diggers, etc.)

BARBERTON—*†§Babcock & Wilcox Co. (Water Tube Boilers & Castings). (See New York City)
*†§Diamond Match Co.
*†§Pittsburgh Valve & Fittings Co. (Valves, Pipe Fittings & Iron & Brass Castings)

BARNESVILLE—*Hall Geo. D.
*†§Watt Mining Car Wheel Co. (Mine Cars & Wheels, etc.)

BATAVIA—†Batavia Foundry Co.
*Carroll Jamieson Machine Tool Co. (Engine Lathes)

BEDFORD—*†Best Foundry Co.
*Holmes Bronze Foundry Co.

BELLAIRE—†Bellaire Stove Co. (Stoves)
*†§Carnegie Steel Co. (Office Pittsburgh, Pa.)
†§Dorer C. L. Fdry. Co.

BELLEFONTAINE — *†Bellefontaine Bridge & Steel Co.
*Bowman Paul G.
*†Hennesey D. R.
†Humphrey Pipe & Foundry Co.

BELLEVUE—*Jeschke Edw. (Ditching Machines)
*†Ohio Cultivator Co. (Agricultural Implements, etc.)

BEREA—*†Dunham Co. (Road Rollers, etc.)

BIG PRAIRIE—*†§Monitor Sad Iron Co.

BLUFFTON—*Arras Cream Separator Co. (Cream Separators)

BOWLING GREEN—*Bowling Green Motor Truck Co. (Motor Trucks)
*†Thornburgh Mfg. Co. (Garden Tools, Cultivators, Light & Heavy Grey Iron Castings, etc.)
*†§Universal Machine Co. (Gasoline Motors, Brass & Iron Castings, etc)

BREMEN—*Bremen Mfg. Co. (Pumping Engines, etc.)

BRIDGEPORT—*Hill Thomas

BUCYRUS—*†Carroll Foundry & Machine Co. (Basic Open Hearth Castings)
*§†Hadfield-Penfield Steel Co. (The), (Clay Working Machinery & Castings) *See adv index at end of book*
*New York Blower Co. (Blowers, Exhausters, Fans, Steam Engines, etc.). (See Chicago, Ill.)
Ohio Locomotive Crane Co. (Cranes, etc.), Frederick
See adv index at end of book
†*Ohio Steel Fdry. Co.
*Ryder Brass Foundry Co. (Brass & Bronze Castings, etc.)
Toledo Crane Co. (Cranes, Structural Iron Work, etc.)

CADIZ—*Chisholm-Scott Co. (Pea Hulling Machinery, etc.)
*Scott Bros. (Hardware Specialties)
*Scott C. S.
*Ward W. G. (Machinist)

CANAL FULTON—*Fulton Pitt Car Co. (Mine Cars & Wheels)

CANTON—American Forge & Machine Co., 1425 Barth ct S W
*†American Sheet & Tin Plate Co. Roll & Machine Works (Rolling Mill Machy.), 1301 15th S W
Arctic Ice Machine Co.
See adv index at end of book
*†Bonnot Company (Brick, Clay Working & Cement Machy., etc), 722 Mulberry rd S E
*†Bucher & Gibbs Plow Co. (Agrl. Implts., Plows & Cultivators)
*Canton Bridge Co. (Bridges, etc.)
*Canton Forge & Axle Co. (drop forgings), 2027 Dueber av S W
Canton Fdry. & Mach. Co. (Sheet Metal Working Machy., Castings, etc.)
See adv index at end of book

†Canton Malleable Iron Co., 2408 18th N E
*†Canton Steel Foundry Co. (Steel Castings), 1502 Allen av S E
†Columbia Iron & Wire Works Co.
§*D. C. Mfg. Co.
*†Dick Jos. Mfg. Co. (Agricultural Implements)
*§Diebold Safe & Lock Co. (Bank Vaults, Safes, etc.)
See adv index at end of book
*Dillon Electric Co.
*Dueber Watch Case Mfg. Co. (Watch Cases, etc), Tuscarawas W
*†§Elbel Co. (Saddlery Hdw. & Castings), 826 Mulberry rd
*Everhard Mfg. Co., 317 Schroyer av S W
*Gibbs Mfg. Co.
†Gilliam Co., 820 Saramah av N E
*Hampden Watch Co. (Watch Mfrs. etc), Dueber Heights 6th S W
*Hercules Motor Mfg. Co.
Holmes Automobile Co., 2820 Winfield Way N E
†Kelly-Cohen Fdry. Co., 1204 Camden av S W
*Knight Mfg. Co. (Saw Mill Machy., etc.)
*Kohler F. E. Co. (Garden Tools & Hardware)
*Miller C. Brownlow, 1718 9th W
*Ney Mfg. Co. (Haying Tools, Carriers, etc.)
*§Sun Vapor & Gas Street Light Co. (Incandescent & Vapor Street Lamps, etc.)
*Swineford G. A. Co. (Haying Tools, etc.)
*Thomas-Peter Co.
*Timken Roller Bearing Co. (Roller Bearings for Vehicles, etc), Dueber & 20th S W
*†United Engineering & Foundry Co., 1400 Grace av N E
UNITED MACHINE & MFG. CO. (Steam & Oil Separators, Special Machinery, Dies & Contract Machine Work)
*Wagener Steam Pump Co. (Steam Pumps, etc.)
†*Weber Dental Mfg. Co.

CARTHAGE—(See Cincinnati, O.)

CELINA—*Celina Mfg. Co. (Windmills, Pumps, etc.)
*†§Celina Machine Works

CHAGRIN FALLS—*†Falls Foundry Co.
*†Ober Mfg. Co. (Woodworking Machy., etc.)
†Falls Foundry (Iron Castings)

CHILLICOTHE — *Buser-Poston Tufting Machine Co.
*Deschler August (Machinist)
*Deweese F. M. & Co. (Lifting Jacks, etc.)
*Houser O. E.
*†Young John

CINCINNATI—*Acme Machine Tool Co. (Machine Tools, etc.)
*Advance Tool Co., Canal & Jackson
*Ahrens-Fox Fire Engine Co. (Steam Fire Engines)
*†American Laundry Machinery Co. (Laundry Machy., etc.)
American Milling Mach. Co., Richmond & McLean
*American Tool Works Co. (Machine Tools, Lathes, Planers, Shapers, Drills, etc.)
*§American Valve & Meter Co. (Water Cranes, R. R. Switches, Valves & Castings)
*Andrew M. L. & Co.
*Avery Drilling Machine Co.
†Bardes E. H. Range & Foundry Co. (Grey Iron Castings, Stoves, etc), 2619 Colerain
*Barnes Chas. Co., 55 Main
*†Baum J. Safe & Lock Co. (Safes), 617 E Front
Benz Adam & Son (Engineers, Machinists & Millwrights) Machinists Bank & Central
*Berghausen Machine Co., 2128 Colerain av
*Billingsley P. L. Co. (Woodworking), 427 Elm
*†Blymyer Iron Works Co. (Iron Fdrs., Sugar, Coffee & Rice Plantation Machy.)
†Bollmann Wilson Foundry Co., 506 E Front
*§Bourbon Copper & Brass Works (Fire Hydrants, Extension Valve Boxes, etc.)
*Boye & Emmes Machine Tool Co. (Machine Tools, etc), 2245 Spring Grove av
*Bradford Machine Tool Co. (Machine Tools, Engine Lathes, etc.)
*Brekmer F. W. Machine & Tool Co., 815 B'way
†Bruce Jno. J. Foundry Co. (Iron Fdrs., Machine Tools, etc.), 2431 Colerain av
*†Buckeye Foundry Co. (Iron Fdrs. Machinery Castings, etc.), Queen City av & Buck
*Buob & Scheu (Machinsts), 216 Webster
Burton Range Co. (Steel Ranges), 7th & Sycamore
*Carlisle & Finch Co. (Searchlights & Motors, etc.), 229 E Clifton av
'Cariton Machine Tool Co. (Machine Tools), Spring Grove & Meeker
*Century Machine Co., 4484 Marburg
*Champion Tool Works Co., Div. Acme Machine Tool Co. (Lathes, etc.), 4955 Spring Grove av
*Cincinnati Ball Crank Co. (Machine Handles, Ball Crank), N. Oakley
*†Cincinnati Bell Foundry Co. (Bell Fdrs., etc.), 2933 Spring Grove av
*Cincinnati Car Co. (Electric Car Builders), Spring Grove & Mitchell av
*Cincinnati Electrical Tool Co. (Electric Drills & Grinders)
*Cincinnati Elevator Works (Elevators, etc.), 212 W 2d
*Cincinnati Engineering Tool Co. (Special), Winton Pl
Cincinnati Frog & Switch Co. (Frogs, Switches, etc), Madison rd & B. & O. R. R.
*Cincinnati Gear Co. (The), 1841 Reading rd
*Cincinnati Grinder Co. (Universal Grinders, etc), Marburg & South
*Cincinnati Lathe & Tool Co. (Machine Tools, etc.), Oakley
*§Cincinnati Mfg. Co. (Brass & Bronze Fdrs. & Ornamental Iron, Brass & Bronze Works)
*Cincinnati Milling Machine Co. (Machine Tools, etc.)
*Cincinnati Planer Co. (Machine Tools), 3120 S.outh, Oakley
*Cincinnati Screw Co., Twightwee
*Cincinnati Shaper Co. (Machine Tools, etc.), Elam & Garrard
†Cincinnati Steel Castings Co. (Steel Castings), Queen City & Spring Grove avs
*Clifton Motor Works (Gasoline Engines), 229 E Clifton av
*Cluthe G. Co. (Edge Tools & Hdw. Specialties), 28 E Court
*Columbia Iron Works (Bldrs.' Iron Work), 2125 Reading rd
*Consolidated Time Lock Co. (Time Locks, etc), 3253 Spring Grove
*Conway Clutch Co. (Friction Clutches, Pulleys, etc.), 1960 W 6th.
See adv index at end of book
*Crane & Breed Mfg. Co. (Metallic Burial Cases, etc.), 1227 W 8th
*Curran Jas. H. Elevator Co. (Elevators), 114 W 2nd
*†§Day J. H. Co. (Laboratory & Pulverizing Machinery, etc.)
§Deckebach F. C. Sons Co. (Brass Fdrs. & Finishers), 128 W Court
*§Douglas Jno. Co. (Plumbing Goods), Poplar & Baymille
*Dreses Machine Tool Co. (Machine Tools, etc.)
*Dunn W. C. Co., 332 W 6th
*§Edna Brass Mfg. Co. (Car & Motor Brasses & Castings)
*§Electric Railway Equipment Co.
†Elmwood Castings Co. (Grey Iron Castings, etc.), Murray rd
*§Enterprise Brass & Plating Co. (Carriage Mountings, Brass Finishers & Platers, etc.), 6th & Baymiller
†*Erhart Chris, 954 Cleveland
*§Eureka Brass Works (Brass Valves, Unions, etc.), 1040 Hulbert av
*†Fay J. A. & Egan Co. (Woodworking Machy., etc.)
§Fewlass Leen Brass & Iron Co. (Finishers), 215 Pike
Fischer Special Mfg. Co., 2076 Reading rd.
*Fosdick Machine Tool Co. (Machine Tools)
*Freeman Louis G. Co. (Shoe Machy.), 909 Sycamore
*Frisbie Engine & Machine Co. (Engines, etc.), 33 E Water
*Gerding Bros., Walsh bldg
Globe Brass Foundry, 1218 W Liberty
*†Gray G. A. Co. (Machine Tools)
*Greaves Machine Tool Co. (Machine Tools), 2116 Colerain av
*†Grossius Jno. Furnace Co. (Warm Air Furnaces, Heaters, etc.), 318 E 8th
*Halls Safe Co. (Safes & Bank Vaults), P. O. Box 846
See adv index at end of book
*Hardisty & Co. (Augers, Machine Knives, etc.), Garland, Linwood
*†§Haven Malleable Castings Co. (Malleable Iron Fdrs. & Carriage Hdw.)
*Hempelman & Hector (Special Machinery, etc.), 120 Longworth
*Hilbert Machine Co. (Machine Tools), 2116 Colerain av
*Hisey-Wolf Machine Co. (Machine Tool Grinders, Drills, etc.)
Homan & Co. (Candle Moulding Machinery, etc.)
*†Houston, Stanwood & Gamble Co. 3rd & Philadelphia
†Huenefeld Co. (Steel Ranges, etc.)
Ideal Concrete Machy. Co. (Concrete Block Machy.), 5001 Spring Grove av
*§Incandescent Light & Stove Co., Madisonville
*International Harness Machinery Co. (Harness & Leather Working Machinery), 708 B'way
*Johnston Robt. C. & Co. (Machinists & Engineers), 620 Lodge
*Kammen Walter Mfg. Co., 3258 Spring Grove av
*Keene Geo. C. & Co. (Sheet Metal Workers' Machinery & Tools), 2327 Florence av
*Kiefer Karl Machine Co. (Filter Presses, etc.), 919 Martin
*King Machine Tool Co. (Machine Tools), Clifton av. & B. & O. & S. W. R. R.
*Kingery Mfg. Co. (Peanut Roasting Machinery, etc.), 420 E Pearl
*Kinsey E. A. Co., 331 W 4th
§Kirkup Robt. & Co. (Plumbers' Brass Goods, etc.), 616 Lodge
†Klaine F. A. Co., Front & Central
*Koenigkramer F. & F., 1906 Knox
*Kuehnle Jno. & Son (Edge Tools, Machinists' Bits & Cutters for Woodworking Machinery), 2110 Colerain
*†§Laidlaw Works (Worthington Pump & Machinery Corp.), (Pumping Engines & Machinery, etc.)
*Le Blond R. K. Machine Tool Co. (Machine Tools, etc), Madison & Edwards
Limberg Enameling Co., Florence av
Linzee Electric Motor Co., The (Electric Motor)
See adv index at end of book
*Lodge & Shipley Machine Tool Co. (Machine Tools, etc), 3055 Colerain av
McGowan John H. Co. (Pumping & Tobacco Machy.), 62 2nd & Central av
*MacLeod Co. (Paint Spraying Machines, Air Compressors, etc.)
See adv index at end of book
*Metzger J. Mfg. Co. (Machinists), Spring Grove
*Mid-West Locomotive Works ("Burton" Gasoline & Kerosene), Spring Grove & Alabama av
*Miller Du Brul & Peters Mfg. Co. (Cigar & Cigarette Machy., etc.), Norwood
†Miller Wm. Range & Furnace Co. Ranges, Furnaces, etc), 125 E 5th
Monarch Tool & Mfg. Co., The, 123 Opera pl
*†§Monitor Stove Co. (Stoves, Ranges, etc.), C. H. & D. Ry. nr. Gest
*†Morris Jno. B. Foundry Co., Court & Harriet
*Muehlmatt Adolph (Tools, etc.), Lion bldg
*Mueller Machine Tool Co. (Machine Tools, Radial Drills, etc.), 2427 Colerain av
*§Murdock Mfg. & Supply Co., 426 Plum
§National Brass Mfg. Co. (Furniture & Hearse Trimmings, etc), 1115 Marshall av
*National Machine Tool Co. (Key-Seating Machines & Milling Tools), 2270 Spring Grove
*Neil & Smith Electric Tool Co. (Electric Drills & Grinders), 8th & B'way
*†§Newman Mfg. Co., 420 Elm
*§Nichol Thos. J. & Co. (Brass Fdrs. & Finishers' Plumber Goods), Pearl & Ludlow
*Niebling F. W. Co. (Ice Machines & Fittings), 406 Elm
*†Oakley Machine Tool Co., Oakley
†Oberhelman J. A. Foundry Co., 3328 Colerain
*Oesterlein Machine Co. (Machine Tools, etc.),
Ohio Brass & Copper Co., 412 Elm
*Ohio Knife Co. (Machine Knives, etc), C. H. & D. R. R. & Dreman av
§Ohio Pattern Works (Brass Castings, etc.), 2730 Spring Grove av
*Oldroyd Mining Machine Co., 621 W Front
†Peerless Fdry. Co. (Grey Iron Castings), Carthage
*§Pfau Mfg. Co. (Plumbing Supplies), Mentor & Huston, Norwood
Pfister Wm. H. (Engineering & Surveying Instruments, etc.), 230 W 4th
*Post-Glover Electric Co. (Elec. Railway & Mine Specialties), 308 W 4th
*§Powell Wm. Co. (Steam Engineering Specialties & Brass Fdrs.) 2525 Spring Grove av.
See adv index at end of book
Printing Machinery Co., 412 E 6th.
†*Queen City Fdry. Co., Spring Grove & Alabama
*Queen City Machine Tool Co. (Machine Tools), 1405 Sycamore
*Rahn-Larmon Co. (Machine Tools, etc.)
*Randall J. D. Co. (Harness & Horse Collar Machinery), 610 W Court
*†§Randle Machinery Co. (All Kinds of New & Second Hand Rebuilt Machinery), C. H. & D. R. R. & Powers
*Rechtin Louis E. & Bro. (Woodworking Machinery), 215 Butler
*Reedy H. J. Elevator Co., Inc., 15 W 2nd
*Rich Pump Co. (Pumps, etc.), South & Depot
*§Richter Brass Co. (Plumbers' Brass Goods), 210 E 9th
*Robinson J. M. Mfg. Co. (Sheet Metal Workers' Machines & Tools), 106 Carolina
*Schacht G. A. Motor Truck Co. (Machinery Specialties), Gest & Evans

(Continued on following page)

Machinists & Founders—Continued

OHIO—CINCINNATI—Continued

*Schellenbach-Hunt Tool Co. (Reamers, etc.), Murdock bldg
*†§Schreiber L. & Sons Co. (Structural Iron & Steel Work, etc.), 3860 Ivanhoe
*Shriver O. P. & Co. (Hardware, etc.), 621 E Pearl
*Shepard Lathe Co. (Machine Tools), Canal & Jackson
*Sicking Barnard, 1931 Freeman av
Simmons W. H. & Co. (Machinists), 208 Lawrence
*Simpson-Orville Co. (Flour Mill Machinery), 1230 Knowlton
*†§Smith & Johnson Mfg. Co., 2031 Elma
*†Stacey Mfg. Co. (Bldrs. Iron Work, Bench Castings, etc.), Big Four R. R. & Township av, Elmwood
*Standard Parts Co., 124 W 66th Corth (See Cleveland)
*†§Standard Pulley Co., 1738 Powers
Steel Forgings Co., Oakley
*Steptoe Jno. Co. (Shaping Machines, etc), 2961 Colerain av
Stewart Iron Works Co., Inc. (Jail & Cell Work, Iron Work, etc), 238 Stewart blk
See adv index at end of book
*Tatum Sam'l C. Co. (Binders & Printing Machinery), 2062 Reading
Thompson Spot Welder Co. (Welding Machines), Knowlton & Langland
*Tool Steel Gear & Pinion Co. (Gears & Pinions), Center av near Big 4 R. R. & Elmwood
*Towsley Jno. T. Mfg. Co. (Woodworking Machinery, etc.), Evans, N of Gest
*§Triumph Electric Co. (Dynamos, Motors, Generators, Brass & Bronze Castings, etc.), Oakley
*Triumph Ice Machine Co. (Ice Machines, Cranes, etc.), Oakley
*Triumph Mfg. Co. (Bakers' Machinery), 3400 Spring av
*United States Electrical Tool Co. (Electric Portable Hand Drills & Grinders)
United States Lathe & Mach. Co.
United States Mach. Tool Co.
*Universal Equalizer Co., Opera Pl
*§Van Duzen E. W. Co. (Pumps, Bell Fdrs. & Gongs), 428 E 2nd
*Verdin, Kappes & Verdin Co. (Sheet Metal Working Machinery)
*§Victor Safe & Lock Div., The Safe-Cabinet Co. (Safes, Bank Vaults, etc.), Norwood
*Warner Electric Mfg. Co. (Electric & Hydraulic Elevators), Spring Grove av
*Watkins Motor Co. (Gas & Gasoline Engines, etc.), 828 W 6th
*Weir Frog Co. (Frogs, Switches, Crossings, etc.)
†Wessling Bros. Foundry Co., Liberty & McLean
*Western Automatic Machine Co. (Slot Machines), 34 E Court
§Williams D. T. Valve Co. (Valves, Steam Traps, Steam Separators, etc.)
*†Williamson Heater Co. (Iron Fdrs), 335 W 5th
*Wright Traffic Signal Co., 844 W 6th

CIRCLEVILLE—*†Haswell Steel Range & Furnace Co. (Stoves, Ranges, etc.)
*Lutz J. H. (Light & Specialty Machinery, etc.)

CLEVELAND—*Acme Machinery Co. (Bolt, Nut & Rivet Machinery), 4533 St. Clair av
Acme Palmers & De Mooy Foundry Co. (Light & Medium Grey Iron Castings), 5217 Sweeney av S W
*Advance Engineering Co., Metta av
*§Aetna Brass Mfg. Co., 1631 E 55th
*Ajax Mfg. Co. (Bolt & Nut Machy), 3830 Lakeside av
*Allen Machine Co. (Tapping Machines, etc), 1279 E 3rd
†*Allyne-Ryan Fdry. Co., Aenta rd & E 91st
§Aluminum Mfrs., Inc., 810 Harvard av
§American Brass Mfg. Co. (Brass Finishers, etc.), 1521 E 49th
*†American Fork & Hoe Co. (Forks, Hoes, etc), Swetland bldg
†American Multigraph Sales Co., 1832 E 40th
*†§American Ship Building Co. (Ships, Engines, etc.), ft. of W 54th
*†§American Steel & Wire Co., Western Reserve bldg. (See Chicago).
See adv index at end of book
*Ames Bag Machine Co., 5606 Euclid av
*Anderson Rolled Gear Co. (Rolled Gears, etc), Berea rd & L. S. & M. S. Ry.
*ANDERSON V. D. CO. (Cylinder Dryers, Filters, Presses, Traps, etc.), W 96th
See adv index at end of book
§Apex Brass Mfg. Co. (Plumbers Brass Goods), 3063H E 61st.
§Arth Brass Aluminum Casting Co., 1378 E 33rd
*§Atlas Brass Mfg. Co. (Plumbers' Specialties), 332 Lakeside av, N W
†Atlas Fdry. Co.
Automobile Screw Products Co., E 152nd & N. P. R. R.
*Azor Motor Mfg. Co., 5209 Prospect av
*Bardons & Oliver (Machine Tools, Turret Machines, etc.)
*BARTLETT & SNOW CO., C. O. (Elevators, Conveyors, Dryers, Crushers, etc.), 6350 Harvard av
See adv index at end of book
*§Bishop & Babcock Co. (Brass Founders, Pumps, Soda Fountains, Bottlers Machinery, etc), 1204 E 55th
*Blomquist-Eck Machine Co., 1146 E 152nd.
*Boom Boiler & Welding Co., Elm & Main
*†§Born Steel Range Co. (Steel Ranges & Cooking Apparatus), 3945 W 25th
Bowen Products Corp., 882 E 72nd
See adv index at end of book
*†Bowler Foundry Co. (Iron Founders), 1688 Columbus
*Brierly Machine Co., 1736 E 22d
*Brightman Furnace Co. (Power Transmitting Machinery), 2570 B'way
†Broadway Fdry. Co., 8001 Franklin
†Brooks T. H. & Co. (Iron Founders' & Builders' Iron Works)
†Brookside Brass Fdy. & Mfg. Co., 2315 Selzer av S W (Plumbers supplies)
*†Brown Hoisting Machinery Co., The (Coal and Ore Handling Machy.), 4403 St. Clair, N E
See adv index at end of book
Browning Co. (Cranes, etc.), E 162nd & Waterloo rd., N E
*Bruce-Macbeth Engine Co. (Gas Engines)
§Buckeye Brass & Mfg. Co. (Brass Founders & Finishers), 6410 Hawthorne
*Bultman F. H. Co. (The) (Testing Machines, Gears), 10271 Berea rd
See adv index at end of book
*Burton & Johnson Co. (Pumps, Engines, etc.), 2301 Center av
*Cady Machine Co.
Carey Machine Co., 5605 Curtiss av
*Carl Max J. Machine Co. (Jobbing), Blackstone bldg
*§Central Brass Mfg. Co. (Brass Fdrs. & Finishers, Plumbing Goods), 6206 Cedar
*Champion Machine & Forging Co. (Forgings), 3690 E 78th
See adv index at end of book
*Champion Stove So. (Stoves, etc.), 4001 W 25th
*†Chandler & Price Co. (Printing Presses & Machy), 6000 Carnegie av
*§CHICAGO PNEUMATIC TOOL CO. (Pneumatic Tools), E 49th & Lakeside (see Chicago, Ill.)
See adv index at end of book
*†§Chisholm & Moore Mfg. Co. (Castings, Chain Hoists, etc.), 5046 Lakeside av N E
*City Brass Foundry Co. (Brass & Composition Castings), 5318 St. Clair av
*City Foundry Co. (Grey Iron & Semi-Steel Castings), 45th & Hamilton
*City Machine Co. (Special Machy. & Macaroni Machy), 5321 St. Clair
*Clay Engine Mfg. Co., 864 E. 72nd
*Cleveland Aluminum Casting Co. (Aluminum, etc.), 905 Addison rd
*Cleveland Armature Works Inc. (Dynamos & Motors, Armatures, etc), 4736 St. Clair av
*Cleveland Automatic Machine Co. Machine Tools), 2269 E 65th
*Cleveland Block Co. (Malleable Iron Tackle Blocks), 1173 W 11th
*§Cleveland Brass Mfg. Co., 4606 Hamilton
§Cleveland Brass Works, 4606 Hamilton av
*Cleveland City Forge & Iron Co.
†Cleveland Co-operative Stove Co. (Stoves), 2323 E 67th
CLEVELAND CUTTER & REAMER CO. (THE), 7410 Madison
See adv index at end of book
*Cleveland Die & Mfg. Co. (Dies, etc.), 744 E 82nd
*Cleveland Elect. Motor Co., 5313 Windsor
†Cleveland Electro Metals Co. (Aluminum Ingots), 2397 W 38th
*§Cleveland Faucet Co. (Faucets, Air Compressors, Pumps, etc), 1396 E 6th
*Cleveland Folding Machine Co., 1931 E 61st
*Cleveland Frog & Crossing Co. (R. R. Frogs, etc.), 6917 Bessemer av
*Cleveland Gas Meter Co. (Mfrs.), 2180 E 65th
*Cleveland Hardware Co. (Hardware) Lakeside av & E 45th
*Cleveland Knife & Forge Co., 1960 W 114th
*Cleveland Machine & Mfg. Co. (Rolling Mill Work & Forgings), 4944 Hamilton av
*Cleveland Metal Products Co. (Oil Stoves), Platt av & C. & P. R. R.
Cleveland Metal Stamping Co.
*Cleveland Milling Mach. Co., 18521 Euclid av
Cleveland Motor Devices, 5269 Prospect av
Cleveland National Machine Co., 1366 W 70th
*†Cleveland Planer Works (Machine Tools, etc.), 3150 Superior
*Cleveland Pneumatic Tool Co., 3734 E 78th (Pneumatic Tools)
*Cleveland Punch & Shear Works (Punching & Shearing Machines), 3917 St. Clair av
See adv index at end of book
*Cleveland Specialty & Mfg. Co.
*†Cleveland Steel Casting Co.
Cleveland Tool & Supply Co. (Dealers), 1427-37 W. 6th
*Cleveland Tractor Co., Euclid & Lamb av
*Cleveland Twist Drill Co. (Twist Drills, Reamers, etc.), 1 E 49th
See adv index at end of book
*Cleveland Universal Parts Co., 7320 Madison av
*Cleveland Welding & Mfg. Co., W 117th & Berea rd
*Cleveland Wheelbarrow & Mfg. Co. (Wheelbarrows), P. O. Station D
*Climax Motor Devices, 5209 Prospect av
*Clough & Witt Machine Co. (barrel machy.), 1740 Columbus rd
*§Cochrane John A. Brass Mfg. Co. (Brass Goods, etc.), 1403 E 40th
*Collamer Machine Works, 1620 Collamer
*†Columbian Hardware Co. (Hdwe & Specialties)
*Cooper Spring Co (Carriage Springs, etc.), Leader New bldg
Cowles Tool Co., 2086 W 110th
§Crescent Brass Products Co. (Brass, Copper, Aluminum, Zinc & Steel Spinning Fixture Parts, etc.), 8410H Lake av
†Crucible Steel Casting Co. (Steel Castings)
Cummer F. D. & Son Co. (Asphalt Brick Machy., etc.), H, Hanna Bldg.
Dall Motor Parts Co. (Pistons), P. O. Station D
Damascus Brake Beam Co., London rd & Nickel Plate
*Darling Machine Co., 1911 St. Clair
*§Daykin Bros. (Pumps), 1949 W 25th
*Deamude Machine Co., 2005 Oregon
*Dickey-Grabler Works, W Madison & 103rd
*Diebold Products Co., 5333 St. Clair
Dill Mfg. Co., 684 E. 82nd
*Domestic Electric Co., Dept. H, E 73d & St. Clair
Drake Process Machinery Co. (Carton Marking Machines), 2344 E 105th
Drew-Electric & Mfg. Co., Collamer av
Drop Die & Engineering Co., 5606 Curtiss av
*Duplex Hanger Co. (Joist Hangers), E 53rd & Lakeside av
*Dyer Co. (Sugar Machinery), 2031 Euclid av
*East Shore Machine Products Co., E 140th & Aspinwell av
*†Eberhard Mfg. Co. (Saddlery Hdw. & Specialties), C. & P. Ry & Tennyson rd
†Economy Stove Co. (Gas Ranges, etc.) 2108 Superior
*Edmonds Elevator Co. (Elevators), 1440 W 10th
*Elliott Electric Co. (Electrical Machinery), 813 Superior
*Elwell-Parker Electric Co. (Electric Industrial Trucks)
*§Empire Brass Mfg. Co. (Brass Fdrs. & Furnishers, Plumbers' Goods), 10301 Berea rd
*Empire Plow Co. (Agricultural Implements, etc.), 3140 E 65th
*Eureka Machine Co. (Brewers' & Maltsters' Machinery)
Fairmount Tool & Forging Co., 10611 Quincy av
†*Fanner Mfg. Co.
*§Farnan Brass Works Co. (Brass Fdrs. & Finishers, Steam & Plumbing Goods), 1105 Center
*Federal Gear Co. of Cleveland
†Ferro Machine & Foundry Co. (Grey Iron Castings for Automobiles, Trucks & Tractors), E 66th & Hubbard av
*Fitzsimons & Co. (Polished Steel Shafting, etc.), 2469 B'way S E
*Fix's S. Sons (Steam Flue Welding, etc.), Leonard & Winter
*Foote-Burt Co., 13000 St. Clair av.
Ford-Clark Co., 2214 Clarkwood rd
†Forest City Fdy. & Mfg. Co. (Hot Air Furnaces, Grey Iron Castings, etc), 1220 Main av
*§Fulton Foundry Co. (Grey Iron Castings), 1209 Marquette
*Gas Machinery Co., 1900 Euclid av.
*Geier P. A. Co. (Special Machy., etc.)
§General Bronze Fdry. Co., 5318 St. Clair
*Gerlach Peter Co. (Pail, Keg, Barrel & Shingle Mill Machy., etc), 1708 Columbus

•§Glauber Brass Mfg. Co. (Brass Founders, Plumbing Goods, Finishers),79th & Platt av.
§Globe Brass Mfg. Co. (Brass Goods & Finishers), 2925 E 55th
•Globe Machine & Stamping Co. (Special Machy. & Parts), 1250 W 76th
•†Grabler Mfg. Co. (Grey & Malleable Iron Castings, Plumbers' Specialties, etc.)
Grant Tool & Gauge Co., 136 E 3rd
Hines Pattern & Mfg. Co., 10108 Detroit av
Hahn Mfg. Co., 5332 Hamilton av
•Hammond Mfg. Co., 7808 Kinsman av
•Harris Automatic Press Co. (Printing Presses), E 71st
§Harsch John Co
•Hart Mfg. Co. (Pipe Cutting & Threading Machines)
•Hartz Henry V. Co. (Special Machy., etc.); Cuyohoga & Mahoning av
Hendrickson Machine Co., 1310 E 14th.
•†§Hill Clutch Co. (Power Transmitting Machinery, also Special Machinery, etc.), W 65th
§Hoffman Bronze & Aluminum Castings Co., 1000 Addison rd
•Hohlfelder F. Co. (Hdw. Specialties, Metal Beds, etc.), 1197 W 67th
Holan Metal Products Co. The, W 40th & Clark av
•Homer Commutator Co. (Commutators), 4748 Hough av N E
Horsburgh & Scott Co., 5110 Hamilton av.
†Horvath Geo., 8209 Holton
Hunger H. J. Brass Wks., 1761 E 27th
•Hunt & Dorman Mfg. Co. (Tin, Sheet Iron, Brass & Copper Work, etc), 1600 E 24th
§Ideal Bronze Co. (Brass & Comp. Castings, etc), 1265 E 55th
Iler Co., 6605 St. Clair
•Imperial Steel Range Co. (Steel Ranges, etc.), 2900 Detroit av
•Independent Register & Mfg. Co. (Registers, Gas Heaters & Specialties), Perry Payne bldg
•Industrial Machine Co., 2160 Superior
†International Foundry, 6601 Morgan av
•Jackson C. E. & Co. (Machinist), 2335 Central
Johnston & Jennings Co. (Cranes, Castings & Rolling Mill Machy), Addison rd & N. Y. C. R. R.
§K. & M. Brass & Aluminum Castings Co., Harvard & E 108th
§Kayline Co., 312 High av
Kelly Reamer Co. (Reamers), 3705 W 73rd.
•†§Kilby Mfg. Co. (Wire & Sugar Machinery, Heavy Castings, etc), 4623 Lakeside av
•King Bridge Co.
§King Bronze & Aluminum Fdry. Co., 1734 E 37th
Kinzig Tool Co., 1239H W. 3rd
•Kirk-Latty Mfg. Co. (Bolts, Children's Steel Express Wagons & Velocipedes, etc.), 1871 W 85th
•Konigslow E. Stamping & Tool Wks. (Dies, etc.)
Kremer-Cummins Machine Co., 1833 E 55th
Kuhlman, G. C. Car Co. (Electric Car Bldrs.), Adams & L. S. & M. S. Ry.
Laganke Chas. F. (Jobbing), 116 St. Clair av, N E
•Lakewood Engineering Co. (Cars, Concrete Mixers, etc.)
Lamson & Sessions Co. (Bolts, Rivets & Wire Rope Clips), 2188 Scranton rd
Langenau Mfg. Co. (Brass & Iron Hdw. Specialties), 3403 Franklin av N W
•Laundryette Mfg. Co., H E. 152nd
Leader Brass Fdry & Mfg. Co.
•Lees-Bradner Co. (Cut Gears, etc.)
Lewis Machine Co. (Wire Core Cutting & Straightening Machinery), 6303 Central
§Levy Albert D. (Aluminum Castings, etc.)
•Liberty Gauge & Instrument Co., 6545 Carnegie av
•Lincoln Electric Co. (Electric Welding Machines, Dynamos, Motors, etc.)
Locke Machine Co., 1448 E 49th
•§Loew Mfg. Co., 9100 Madison av, N W (Brewery Machinery)
†Loomis-Sielaff Co., 6616 Morgan av
•Lucas Machine Tool Co. (Machine Tools, etc.), 524 E 99th
McKenna Co. (Bar Bending Machines), 1853 E 38th
•†McMyler-Interstate Co. (Bridge Builders)
See adv index at end of book
Machine Products Co., E 179th & St. Clair
•†Madison Foundry Co. (Light & Heavy Machinery Castings, Grate Bars, Columns, Sewer Castings, etc.)
•Marquette Metal Products Co., 16606 Waterloo rd
•Maskell J. H. Machine & Mfg. Co. (Special Machy, etc.), 1419 E 40th
•Master Tool Co. (Pneumatic Tool Parts), 205 St. Clair N E
•Mather W. H. H. (Machinists), 105th & Quebec av S E
†Meech Foundry & Castings Co., 9940 Meach av S E
•Metals Welding Steel Products Co., 4400 Perkins av
•Miller Chemical Engine Co., 1411 W 9th
•Monarch Aluminum Ware Co., 4613 Payne av
§Morreau Co. (Gas & Elec. Fixtures), 1305 Oregon av N E
National Acme Co. (Screw Machines, etc.), 7500 Stanton av, S E
•§National Bronze & Aluminum Foundry Co. (Aluminum & Bronze Castings), Dept H, E 88th & Laisy
†National Car Wheel Co., 2120 W 106th. (See Pittsburg, Pa.)
†National Malleable Castings Co. (Malleable Iron Castings for R. R.), H, Quincy
•National Safe & Lock Co.
National Steel Products Co.
•†New Process Stove Co. (Division of American Stove Co.), 4415 Perkins av
•†Nicholls Wm. H. Co., Inc.
†Nickel Plate Foundry Co., Woodworth & Colt rd, Dept H
•North American Mfg. Co., 5902 Carnegie av
•†Ohio Body & Blower Co. (Automobile Bodies), 9205 Detroit av
•Ohio Electric & Controller Co., 5900 Maurice av
See adv index at end of book
†Ohio Foundry Co. (Iron Fdrs.), E 71st & Stanton
•Ohio Instrument Mfg. Co., 9410 St. Catherine
†Ohio Machine & Boiler Co., 1510 University rd
•Ohio Motor Vehicle Co., Oakview & Nottingham rds
•Ohio Piston Co., 5331 St. Clair av
†Ohio Steel Castings Co., 2264 Scranton rd
•Oram Jno. S. Co. (Barrel, Stave & Heading Machinery), 5240 Hamilton av
•Oster Mfg. Co. (Pipe Cutting & Threading Machines), 2057 E 61st pl
Otis Steel Co., Riverside Plant
•†Palmer & De Mooy Foundry Co. (Grey Iron Castings & Machine & Brass Pattern Shop), 1658 Leonard N W
•§Paramount Brass & Mfg. Co., 2187 E 2nd (plumbers supplies)
†Parker-Street Castings Co., P. O. Station D
•†§Peck, Stow & Wilcox Co., W 3d e Cuyahoga av S W. (See Southington, Conn.)
•Peerless Automatic Machine Co. (Screw Machines & Screw Machine Products), 1962 W 77th
•§Peerless Motor Car Co., Quincy av & E 93d
•Pennsylvania Picton Ring Co., 203 St. Clair av N. E.
§Permold Co. The, 6300 Grant av
•Peters Machine & Mfg. Co., 7320 Madison av
•Phoenix Ice Machine Co., 2711 Church av
†Pioneer Alloy Products Co., Inc., 16601 Euclid av
•Pioneer Machine & Engineering Co., Merwin av
•Pipe Machinery Co. (Pipe Bending & Cutting Machines, etc.), 930 E 70th
•Plotz Wm. (Tools, etc.), 401 Champlain av N W
§Premier Aluminum Foundry Co., Nickel Plate & Ivanhoe rd
Prey Machine & Bren Foundry Co., 936 E 72nd
Pulaski Foundry & Mfg. Corp. (Heavy Castings, Sugar Machinery, etc.), 2424 Euclid av
See adv index at end of book
•†§Reliable Stove Co. (Gas Heaters, Ranges, etc.), 1787 E 40th
•RELIANCE ELECTRIC & ENGINEERING CO. (Electric Motors, etc.), 1064 Ivanhoe rd
See adv index at end of book
•Reliance Gauge Column Co. (Steam Specialties, etc.)
•§Rickersberg Brass Co. (Plumbers' Brass Goods, Perkins & E 37th
•Ross Mfg. Co. (Wheel Trueing Tools), 3160 W 106th
•Round D & Son (Hoisting Machinery) Penn R. R. & Henry
See adv index at end of book
•§Royal Brass Mfg. Co., 1417 E 43d
•§Russ Co. (Ale & Beer Pumps, etc.), 5700 Walworth av
•S.-P. Manufacturing Co. (Special), 872 E 72nd
•Sabin Machine Co. (Special Machinery), 6536 Carnegie av
§Sanitary Co. (Brass Fdrs. & Finishers, Plumbing Goods)
•Sawyer Gear & Mfg. Co., 5120 St. Clair av, N E
§•Scott-Ulman Co., 3311 Perkins av
•Sly W. W. Mfg. Co. (Tumbling Mills Foundry Equipment, etc.), 4720 Train av.
Sommer & Adams Co., 18511 Euclid av
•Spotless Steam Sponger Co. (Sponging Machines), 3741 E 93rd
•Stahl Gear & Machine Co., 1390 E 40th
§Standard Brass Foundry Co. (Brass Fdrs), 990 E 67th
†Standard Car Wheel Co. (Car Wheels) 6704 Bessemer
•Standard Equipment Co., Lorain av & W 106th
†Standard Foundry & Mfg. Co. (Light Grey Iron Castings, etc.), 2717 E 75th
•Standard Sand & Machine Co. (Sanding Machines, etc.), 5150 St. Clair av N E
•Standard Sewing Machine Co., 6402H Cedar av
†Standard Steel Castings Co. (Automobile Steel Castings), 3311 W. 73rd
•Stearns Conveyor Co., St. Clair & E 200th
•Stearns F. B. Co. (Auto Cars), Euclid av & Lakeview rd
Steel Products Co. (Pistons), 2196 Clarkwood av.
§•Sterling Brass Co., 9600 St. Clair av
•Strong H. M. Steel Products Co., 1011 Power av.
†Superior Foundry Co. (Grey Iron & Semi-Steel Castings), 71st & W. & L. E. Ry.
•Superior Screw & Bolt Mfg. Co., 3650H E 93rd
•Swartwout Co. (Steam Separators C), 18515 Euclid av
•†Taylor & Boggis Foundry Co. (Iron Stoves, Hdw., etc.)
Taylor Machine Co. (Special Gears, Priming Cups, etc), 1921 E 61st
•Tinnerman Stove & Range Co., 2038 Fulton rd
Towmotor Co. (Tractors), 1226H E. 152nd
•Trenkamp Stove & Mfg. Co. (Gas Stoves, etc.), 9806 Quincy av
Tungstoller Wks. of General Electric Co. (Gas & Electric Fixtures)
Tyler W. S. Co. (Bronze Fndrs., Architectural)
See adv index at end of book
•Ulmer J. C. Co. (Engineering Instruments), 1791 E. 38th
•Union Engineering Co. (Mechanical Engineers & Millwrights & Machinists), Cuyahoga & W 4th
•§United Brass Mfg. Co., 3844 Hamilton av
•†U. S. Air Compressor Co., Harvard av
•†United States Cast Iron Pipe & Foundry Co., 1150 E 26th. (See Burlington, N. J.
Universal Drafting Machine Co., 1426 W 3rd
†Vahan Foundry Co., 7000 Union av
•†Van Dorn Iron Works Co. (The) (Filing Cabinets, Steel Office Furniture, Shelving, Ornamental Iron, etc.), 2700 E 79th
See adv index at end of book
•Variety Iron & Steel Works Co., Hamilton av & E 40th
•§Victor Brass Mfg. Co., 6813 Wade Park av
•Waldeck Anthony (Wire Dies, etc.), 7607 B'way
†Walworth Run Foundry Co. (Warm Air Registers, Hdw. Specialties & Grey Iron Castings), 2488 W 27th N W
•Warner & Swasey Co. (Machine Tools, etc.), 5809 Carnegie av
•§Wellman Bronze Co. (Aluminum, Brass & Bronze Castings), 6017 Superior av
See adv index at end of book
•†Wellman-Seaver-Morgan Co. (Cranes Rolling Mill, Ore & Coal Handling & Mining & Hydraulic Machy.), 7000 Central av. S E
†Western Reserve Foundry Co. (Light Grey Iron Castings), 1209H Marquette rd.
•Western Reserve Mfg. Wks., 3710H E 93rd
•†§Westinghouse Electric & Mfg. Co. (See Pittsburg, Pa.)
See adv index at end of book
•†White Co. (Automobile, etc), 79th & St. Clair
•White Sewing Machine Co. (Sewing Machines), St. Clair & 79th
•Winton Engine Works (Gas Engines)
•†Winton Co. (Automobile Builders) Berea rd
•Wood & Spencer Co., 1930 E 61st
•Worden Tool Co. (Machine Knives), 1854 Scranton rd
§Wright K. L. Brass Fdry., 1351 W 67th

CLYDE — •Krebs Commercial Car Co. (Auto Builders)
COLDWATER—•†New Idea Spreader Co.
COLUMBIANA—Columbiana Fdry. Co.
•†§Columbiana Pump Co. (Pumps, etc.)
•†§Enterprise Co. (Steam Engines & Saw Mill Machinery, etc.)
•Theiss Henry
COLUMBUS—American Water Motor Co. (Water Motors)
•ANCHOR CONCRETE MACHINERY CO. (Concrete Block Machines), 530 Dublin av
See adv index at end of book
•§Atlas Brass Foundry Co., 980 Park S.
†Bonney-Floyd Co. (Steel Castings)
Borger Bros. Co., 257 W Spring

(Continued on following page)

Machinists & Founders—Continued

OHIO—COLUMBUS—Continued

*Brightman Mfg. Co. (Shafting Machinery & Polish Shafting)
*§Brown J. W. Mfg. Co. (Lamps), H Marion rd
Buckeye Drill & Lathe Co., Marion rd
*§Buckeye Pump & Mfg. Co. (Pumps, etc.)
*Buckeye Saw Mfg. Co. (Saws, etc.)
*†Buckeye Steel Castings Co. (Car Couplers, etc.)
*Budd & Ranney Mfg. Co. (Special Machinery), Chestnut & Water
*C. A. S. Products Co., 338 E 2nd av (Cranes, etc.)
Chase Foundry & Mfg. Co., The (Industrial Cars, Trucks, etc.), 2700 S Parsons av
See adv index at end of book
§City Brass Works
*Columbus Anvil & Forging Co. (Anvils, Forging, etc.)
*Columbus Auto Brass Co. (Automobile Brasses, etc.), 769 N 4th
*Columbus Auto Parts Co., E Russell
*†§Columbus Brass Co. (Brass Fndrs. & Finishers, Plumbing Goods), 620 Dublin av
See adv index at end of book
*Columbus Die, Tool & Machine Co. (Dies, Tools, Special Machinery, etc.), 955 Cleveland av
*Columbus Forge & Iron Co. (Machinists Forgings)
†Columbus Fdry Co.
*Columbus Heating & Ventilating Co. (Hot Air Furnaces, etc)
*†Columbus Malleable Iron Co. (Malleable Iron Fdrs., etc.)
*Columbus Scale & Repair Co., 142 W Long
*†Columbus Steam Boiler & Heater Co. (Boilers, Heaters, etc.)
*Columbus Steam Pump Works Co. (Steam Pumps)
*Columbus Wire & Iron Works Co.
*Eaton Machine Works (Repair Work of All Kinds), 37 S Scioto
†Elder & Henry
*§Federal Mfg. Co. (Gas Fixtures & Brass Finishers), 168 W Long
*Hearn J. C. Machine Works (General Jobbing), 38 W. Swan
†Hertenstein M. Co. (Stoves & Ranges), 1409 S High
*§Hocking Valley Ry. Shops
*Jaeger Machine Co. (Concrete Machinery), 490 Dublin av
*Kilbourne & Jacobs Mfg. Co. (Plows, Trucks, Cart & Road Scrapers, etc.)
*†Kinnear Mfg. Co. (Rolling Steel Shutters, etc.)
See adv index at end of book
†Loudenslager H. Foundry Co., 465 S Canal
*Lowe Bros. Machine & Engine Works (Gasoline Engines, 1½ to 400 H. P.)
*Miller Machine & Mould Works
*Modern Tool, Die & Machine Co., 216-220 N Fourth
*New Favorite Mfg. Co. (Washing Machinery, etc.), 133 W Maple
*Ohio Elevator & Machine Co.
*†§Ohio Malleable Iron Co. (Malleable Castings), 961 N Fourth
*†Ohio State Stove Co. (Stoves & Ranges)
*Ohlen Bishop Co. (Saws, etc.), 921 Factory
*†Peerless Stove & Mfg Co. (Stoves & Ranges)
*Quad Stove Mfg. Co. (Gas Stoves & Ranges)
*†Ralston Steel Car Co. (Steel Cars of All Kinds)
*Seagrave Co. (Fire Dept. Apparatus)
†Shilling Fdry Co.
†Simplex Foundry Co.
*Sun Mfg. Co. (Coffee Mills, etc.)
*Superior Die, Tool & Machine Co. (Special)
*†United States Cast Iron Pipe & Foundry Co. (See Burlington, N. J.)
*Weinman Pump Mfg. Co. (Pumps & Air Compressors), 300 Spruce

COLUMBUS GROVE—*Benroth Bros.

CONNEAUT—*Burke Machine Tool Co. (Machine Tools)
*Craftsman Tool Co. (Milling Machines)
*Dunn Road Machinery Co.

CORNING—†Richardson Jno. (Iron Fdry., etc.)

COSHOCTON—*†Clow Jas. B. & Sons
*†Keagy & Lear Machine Co. (Carriage Axles & Special Machinery)
*†§King W. H.

CRESTLINE—*†Burch Plow Works Co. (Plows, Sewer Castings, etc.)
†Schill Bros. Co. (Steel Ranges, Furnaces, Castings, etc.)

CUYAHOGA FALLS—*Cornwell Quality Tools Co (Chisels, etc.), Dept H
*†§Falls Clutch & Machinery Co. (Power Transmitting Machy. etc.)
Falls Engineering & Mach. Co.
*Falls Hollow Staybolt Co. (Staybolts, etc.)
†Ford F'dy & Heating Co.
†§Nute Foundry Co.
Vaughn Machinery Co. (Chain, Rubber, Wire Machinery, etc.)

DAYTON—†Advance Foundry Co.
†American Foundry & Casting Co.
Barkelew Metal Products Co., Dept H
*†Brownell Co. (Steam Engines, etc.)
*†§Buckeye Iron & Brass Works, 322 E 3rd *See adv index at end of book*
*†Callahan W. P. Co. (Iron Fdrs. & Engines & Oil Mill Machy., etc.)
*Carroll Engineering Co.
*City Engineering Co.
*City Machine & Tool Works
*Computing Scale Co. (Computing Scales)
*†§Davis Sewing Machine Co. (Sewing Machines, Grey Iron Castings & Forgings)
§Dayton Bronze Bearing Co.
*†Dayton Castings Co.
*Dayton Electrical Mfg. Co. (Dynamos, etc.)
*Dayton Engineering Laboratories Co. (Auto Starters)
*Dayton Fan & Motor Co. (Fans, etc.)
*Dayton Globe Iron Works Co., 833 S Ludlow
Dayton Machine Products Co.
*†§Dayton Malleable Iron Co.
*Dayton Mfg. Co. (Brass Fdrs., Railroad Supplies, etc.)
*Dayton Pipe Coupling Co. (Pipe Couplings, Saddles, Sleeves, etc.)
*Dayton Pneumatic Tool Co. (Pneumatic Tools)
Dayton Reliance Tool & Mfg. Co.
*Dayton Specialty Machine Co. (Machinists)
Dayton Stamping & Tool Co.
†Dayton Steel Foundry Co. (Electric Steel Castings)
Delco Light Co., Div. General Motors Co.
§Dennick Wm. & Co. (Brass Fdrs.)
§Duriron Castings Co.
Duro Pump & Mfg. Co. (pumps, etc.)
*Edgemont Machine Co. (Friction Clutches, etc.)
*Egry Register Co.
*Garrison Machine Works
†Gartland-Haswell-Reutschler Foundry Co.
†Gem City Stove Co. (Stoves, etc.)
Hawker W. S. Mfg. Co., 458 E. Bacon
§Hoban Brass Foundry Co.
*†International Clay Machinery Co.
*†Joyce-Cridland Co. (Hydraulic Lever & Screw Jacks, etc.)
See adv index at end of book
*†Kramer Bros.' Foundry Co. (Iron Fdrs., Labeling Machines, etc.)
*†Kuhns Bros. (Cast Iron Fittings, etc.)
*Legler-Eilerman Co. (Machine Parts, Finished & White Metal Castings)
*Leland Electric Co. (Motors)
*Limier Machine Tool Co.
*Liberty Tool & Production Co.
Lucas Miner Tool & Production Co. (Power Pumps, etc.)
*Manufacturers Equipment Co.
Master Electric Co., 440 First
§Miami Brass Fdry. Co. (Brass Fdrs.), Miami Engineering Co.
Miami Tool & Die Co.
*Monarch Engineering Co.(Water System), 230 E 1st
Moore Eastwood Co., 116 E 4th
*§National Cash Register Co. (Cash Registers, etc.)
*North Side Tool Co., 17-19 Maryland av
*†§Ohio Rake Co. (Agrl. Implts. Sulky Rakes, etc.)
*Ohmer Fare Register Co.
*Plocher Andrew Sons Co. (Forgings, etc.)
*Recording & Computing Machines Co.
Recording Devices Co.
*Roberts Geo. J. Co. (Water Motors, Electric Pumps, etc.)
*Saunders James Co.
*†Seybold Machine Co. (Bookbinding Machinery)
*Sheffield Machine & Tool Co.
*Simonds A. A. & Son Co. (Planing Knives, etc.)
*Smith Gas Engineering Co. (Gas Producers, Grey Iron Castings)
See adv index at end of book
†Standard Foundry Co.
Standard Machine Co.
*Steiner M. & Co.
*Trimbach Geo. (Tools, etc.)
*Valle-Kimes Co. (Water Motors)
*Vulcan Tool Co., 418 E First
*Weinman C. J. Co. (Machinists), 310 E 1d
*Wiedeke Gustav & Co. (Boilermakers' Tools, etc.)

DEFIANCE—*†Defiance Machine Works (Wood Working Machinery, etc.)
*Defiance Pressed Steel Co. (Metal Boxes)
*Turnbull Motor Truck & Wagon Co.

DELAWARE—*Cook Motor Co. (Gasoline Engines)
†Del. Fdry. & Mach. Co.
*Lugger F. W. & Son (Garage)
*Peerless Pattern & Machine Works

DELPHOS—†*Am. Road Machy. Co.

DENNISON—†Dennison Foundry & Machine Co. (Radiators & Foundry)

DESHLER—Deshler Fdry & Mach. Wks.
*†§Suber A. A.

DOVER—*†Dover Mfg. Co. (Sad Irons, etc.)
*†Hardesty Mfg. Co.
*Willis G. W.

DOYLESTOWN—†§*Doylestown Agricultural Co.
§*Doylestown Aluminum Ware Co.
*†Seiberlin & Miller Co. (Mowers, Reapers, etc)

EAST LIVERPOOL—Bucher-Smith Co.
*Cain Machine Co.
*Geer Machine & Mfg. Co. (dies)
*†§Patterson Fdry. & Machine Co. (Clay Working Machy., etc.)

EAST PALESTINE—†§*Adamson Mfg. Co.

ELMORE—*†Multiplex Concrete Machinery Co. (Concrete Block Machy.)

ELMWOOD PLACE — *†§Worthington Pump & Machinery Corp. (Laidlaw Works)

ELYRIA—Anderson Tool Co., (Dies, Jigs, Enamelers, Special Machy.)
Colson Co. (The) (Screw Machine)
See adv index at end of book
*†Duplex Mfg. & Foundry Co. (Catch Basins & Sewer Castings)
§Elyria Brass & Bronze Fdry Co., Walnut & B. O. R. R.
†Elyria Foundry Co. (Grey Iron Casting etc.)
*Elyria Machine Co.
*†Fox Furnace Co. (Stoves)
*Martell Packings Co. (The) (Production Work)
See adv index at end of book
*Superior Metal Products Co. (Special Dies, etc.)
*Weller Engineering Co. (Power Transmission, etc.)
*Western Automatic Machine Screw Co.

EUCLID—Armington Engng Co.
See adv index at end of book
*†Duplex Mfg. & Foundry Co. (Catch Basins & Sewer Castings)
*EUCLID CRANE & HOIST CO. (Electric Cranes, Hoists, etc.)
See adv index at end of book
*Euclid Electric & Mfg. Co. (Elec. Controllers)
†Euclid Foundry Co., Dept H

FAYETTE—*Smith F. L.

FINDLAY—*†Buckeye Traction Ditcher Co. (Trench Excavating Machy.)
*Electric Construction & Motor Co.
*†Findlay Engineering & Mfg. Co.
*Hoppenberg Machine Co.
*†Marvin D. E.
†§Model Fdry. & Mach. Co.
*Went C. H.

FOSTORIA—†§Atlas Mfg. Co.
*Fostoria Machine & Tool Co. (Jigs & Fixtures, Drilling & Milling & Dies, Stamping)
Fostoria Pressed Steel Co.
*Fostoria Screw Co.
*"S.-C." Regulator Mfg. Co. (Valves, Regulators, etc.)

FREDERICKTOWN—*†Foote J. B. Fdry. Co. (Bells & Hardware Specialties)

FREEPORT—†*Freeport Fdry. Co.

FREMONT—*Christy Knife Co. (Knives, etc.)
*Clauss Shear Co. (Shears, etc.)
*Detroit Model Machine Co.
*†Fremont Stove Co. (Stoves)
*Herbrand Co. (Carriage Hardware & Forgings, etc.)
§Hotz Foundry & Mfg. Co.
*§Lake Shore Elec. Ry. Co.
*†§Lehr Agricultural Co. (Cultivators, Harrows, etc.)
†Lincoln Stove Co. (Stoves, Ranges, etc.)

GALENA—*Hughes & Smythe (Corn Planters, etc.)

GALION—*†Freese E. M. & Co. (Brick & Drain Tile Machinery, etc.)
Galion Brass & Bronze Co.
*†§Galion Iron Works & Mfg. Co. (Gas Engines, Culvert Pipe, Road Machy., etc.)

GALLIPOLIS—†Thompson & Francis Stove Co. (Stoves)
†Treasure Stove Co. (Stoves)

GENEVA—*†§Champion Hardware Co. (Hardware Specialties, Brass & Comp. Castings)
*†Geneva Metal Wheel Co.
*Potter Mfg. Co. (Hdwe. Specialties)

GHENT—*Purdy Chester (Woodworking Mach, etc)

GREENVILLE — *Greenville Mfg. Co., Dept. H
*Ross Supply Co. (Stoves, Ranges, etc.)
*Wogaman Bros. Co. (Gas Engines)

HAMILTON—*Advance Mfg. Co.
†American Foundry & Machine Co.
*American Frog & Switch Co. (Frogs, Switches, Switch Stands, Crossings, etc.)
See adv index at end of book
*†§Black-Clawson Co. (Paper & Pulp Mill, Special Machy, etc.)
*Central Motor Co. (Garage)
*Ceramic Machine Co.
*Columbia Machine Tool Co.
*†§Deuscher H. P. Co. (Grey Iron Castings)
*Dufficy John (Jobbers)
*East Hamilton Tool Co.
*†Estate Stove Co. (Stoves, Ranges, etc.)
Ford Motor Co. (Tractor Division)
*General Repair Machine Shop
*Hamilton Autographic Register Co. (Registers, etc.)

HAMILTON CASTER & MFG. CO., THE (Casters), 1635 Dixie Highway
See adv index at end of book
•†Hamilton Copper & Brass Works (Brewing & Distilling Apparatus, etc.)
•†Hamilton Foundry & Machine Co.
•†Hamilton Machine Tool Co. (Machine Tools)
•Herring-Hall-Marvin Safe Co. (Bank Vaults & Safes, etc.)
Hooven Owens, Rentschler Co. (Steam Engines Grey Iron Castings, etc.)
•Krauth & Benninghofen (Machinists)
•Liberty Machine Tool Co.
•†Long & Allstatter Co. (Punching & Shearing Machy.)
See adv index at end of book
•Mid-West Tool & Mfg. Co.
•Mosler Safe Co. (Bank Vaults & Safes, etc.)
•†§Niles Tool Works Co. (Machine Tools, etc.).
•Phoenix Caster Co. (Furniture Casters)
•West Side Motor Co. (Motors, etc.)
HARRISON — †•Campbell-Hausfeld Co. (Agric. Implements foundry equipment, etc.)
HILLSBORO—•†§Bell C. S. Co. (Cane & Feed Mills, Stoves, Farm Bells, etc.)
•†§Gross-Feibel Co. (Safes, etc.)
IRONTON—•Belfront Iron Works Co. (Machine Shop for Use of the Company)
†Foster Stove Co. (Stoves)
•†Ironton Engine Co.
•†§Ironton Punch & Shear Co. (Punching & Shearing Machines)
JACKSON—•†§Crown Pipe & Foundry Co. (Cast Iron Pipes, etc.)
•†Jackson Mfg. Co. (Garden Plows, etc.)
JOHNSTOWN—•Rusler H. B. Mfg. Co.
JUNCTION CITY—•Lidderdale A. E. (Jobbing)
KENT—•Falls Rivet Co.
•†Kent Machine Co. (Concrete Machinery, etc.)
•§Miller J. B. Keyless Lock Co. (Locks)
KENTON—Champion Engineering Co. (Face Wrecking)
•Dow Jas. M.
•†§Kenton Hardware Co. (Iron & Steel Toys, etc.)
•Ohio Machine Tool Co. (Machine Tools, etc.)
KILBOURNE—•Scott Bros.
KINSMAN—•†§Kiddie Richard H.
LANCASTER—•†§Alten-s Fdy. & Machine Works
•†Eagle Machine Co. (Ag'l Impits.)
•†§Hocking Valley Mfg. Co. (Ag'l Implements, etc.)
LEETONIA—•Crescent Machine Co., The (Wood Working), 512 Oak
See adv index at end of book
LEIPSIC—•†Temco Electric Motor Co. (Electric Drills & Motors)
LEXINGTON — •Lexington Instrument Wks.
LIMA—§Buckeye Castings Co.
•Buckeye Machine Co. (Gas Engines)
†Chalmers Pump & Mfg. Co.
•†§East Iron & Machine Co. (Asphalt Paving Plant Machinery), 351H E. Market
•†Golley & Finley Iron Works
§Lima Brass Fdry.
•†Lima Locomotive Corp. (Locomotives, etc.), 106 3d
†Lima Metals Foundry Co.
†Lima Steel Casting Co.
•†Ohio Steel Foundry Co. (Steel & Vanadium Castings)
•Vicary Geo. S.
•Steiner Bros.
LISBON—•Wright Mfg. Co. (Chain & Portable Hoists, etc.)
LOGAN—•†§Logan Foundry & Machine Co. (Plows, etc.)
LORAIN—•†American Shipbuilding Co. (See Cleveland, O.)
•Brunk Machine & Forging Co.
•†Hoffman Heater Co. (Heaters, etc.)
§Lorain Brass & Bronze Foundry Co. (Brass & Bronze Castings, etc.)
•§Lorain Casting Co. (Iron & Brass & Semi-Steel Castings, etc.)
•National Stove Co. (Am. Stove Co.) (Stoves, Heaters & Ranges)
•Thew Shovel Co. (Steam Shovels), Dept H
LOUDONVILLE—•Sprang Wm.
LOUISVILLE—§•Louisville Fdry. Co.
•Louisville Machine Mfg. Co.
LUDLOW FALLS—•Duncan Bros. & Wray Co. (Floor Scrapers, etc.)
LYNCHBURG—•Kesler John A.
MADISON—•†Genung C. W. (Ag'l Implements)
MALTA—•†Brown-Manly Plow Co. (Ag'l Implements, etc.)
MALVERN—Keffler Bros. (Jobbing)
MANSFIELD—Atkins E. G. Co.(Carburetors)
•†§Barnes Mfg. Co. (Pumps, etc.)
§Buckeye Tempered Copper & Brass Co.
•†Eclipse Stove Co. (Stoves)
•Hartman Electrical Mfg. Co. (Electrical Specialties)
•Hughes-Keenan Co. (Structural Steel etc.)
•†§Humphryes Mfg. Co. (Pumps, Cocks & Bibbs, etc.)
•Ideal Electric & Mfg. Co. (Generators, Motors, etc.)
•Lean Roderick Mfg. Co. (Harrows, etc.)
Mansfield Brass Foundry
•Mansfield Specialty & Machine Co.
•New Method Co. (Gas Stoves, etc.)
•North American Watch Co.
Ohio Brass Co. (Electric Railway & Steam Specialties)
•†Phoenix Electric Co. (Electric Motors)
•Superior Brass Mfg. Co. (The), 98 Wayne
See adv index at end of book
•Taylor Disc Machine Co.
§•Triumph Valve Mfg. Co.
MARIETTA—•Cline Edw. W.
•Leidecker Tool Co. (Well Drilling Machinery, etc.)
•†§Pattin Bros. Co. (Steam Engines & Grey Iron & Brass Castings)
•Salzman G. O.
•Star Machine Co.
MARION—†Am. Malleable Casting Co.
†COMMERCIAL STEEL CASTING CO. (Open Hearth Steel Castings)
See adv index at end of book
•†§Fairbanks Steam Shovel Co. (Steam Dredges, etc.)
•Fairfield Engng. Co.
•†§Huber Mfg. Co. (Ag'l Implts., Engines, etc.)
•†Marion Steam Shovel Co. (Dredging, Excavating, etc.), P. O. Box 505
•Murdoch Dishwashing Machinery Co.
•Osgood Co.
•†§Power Mfg. Co. (Oil Engines)
•Titus Machine Co. (Drill Presses, Vises, etc.)
MARTIN'S FERRY—•†Beam Jas. H.
•McDermott P. J. (Machinery & Tools)
†Spence-Baggs Stove Co. (Stoves, etc.)
•Stanton Heater Co. (Furnaces, etc.)
MARYSVILLE—§Regent Brass Co.
MASSILLON—Beans Spring Co., Dept. H
•†§Griscom, Russell Co. (See New York, N. Y.)
See adv index at end of book
•†Hess-Snyder Co. (Pumps & Stoves)
†•Massillon Aluminum Co.
•Massillon Foundry & Machine Co. (Steam Hammers, Punching & Shearing Machy.)
†Massillon Steel Casting Co.
•Reynolds Machine Co.
•†§Russell & Co. (Engines, Threshers & Saw Mills)
MECHANICSBURG — •Packham Crimper Co. (Sheet Metal Workers' Machinery)
MEDINA—†Medina Fdry. Co. (Castings, etc.)
•Medina Machine Co.
MIAMISBURG—§Allen Machine Works (Specialties)
Miami Foundry Co., (Grey Iron Castings)
MIDDLETOWN—•†§Am. Rolling Mill Co. (Grey Iron Castings)
•Barkelew Electric Mfg. Co. (Electrical Specialties)
•†Miami Cycle & Mfg. Co. (Bicycles, Motorcycles, etc.)
•Shartle Bros. Machine Co. (Paper Mill Machinery)
MILAN—•Curtis Machine Co. (Thresher Parts)
MILLERSBURG—•Gadfield C. L. (Garage)
†Millersburg Fdry. & Machine Works
MINERVA—•Jobes Emmor W.
•Minerva Hardware Mfg. Co. (Builders' Hardware, Hardware Specialties, Grey Iron Castings, etc.)
MINSTER—•Dues J. J. Machine Co. (Garage, etc.)
•Industrial Equipment Co. (Gasoline Locomotives & Fdry. Equipment)
•†§Minster Machine Co. (Power Transmitting, etc.)
MONTPELIER—•†Wingert Foundry & Furnace Co.
MORRAL—•Morral Bros. (Canning Machinery)
MOUNT GILEAD—•Kelly Foundry & Machine Works (Jobbing)
MOUNT STERLING—•Carter Wire Fence Mach. Co. (Fence Mach.)
MOUNT VERNON—†Black Furnace Co.
•Brewer J. H. (Jobbing)
•†§Cooper C. & G. Co. (Corliss & Rolling Mill Engines, Condensers, Fly Wheels & Heavy Castings, etc.)
•Mount Vernon Bridge Co. (Structural Steel Work)
Mount Vernon Foundry & Engineering Co.
NAPOLEON—†Heller-Aller Co. (Wind Mills, Gasoline Engines, etc.)
•†Ragan-Brown Lange Co. (Engines, etc.)
NEWARK—•American Machine Co.
•†§B. & O. R. R. Shops
§Blair Motor Truck Co.
Hamilton Wm. Sons Car Co., Dept H
•†McNamar Machine Works
†Newark Casting Co.
†§•Newark Stamping & Fdry. Co.
•†Scheidler Machine Works Co. (Engines, etc.)
•Shepherd M. L.
†Simpson Fdry. Co.
•Simpsons Garage & Machine Co.
•†§Wehrle Co. (Stove Mfrs.)
NEW BREMEN — •Poorman O. O. Co. (Presses, etc.)
•Streini Tool & Mfg. Co. (Sheet Metal Machy.)
NEW COMERSTOWN—•†§Clow Jas. B. & Sons, (See Chicago, Ill.)
•Rex File & Saw Co. (Files, Saws, etc.)
§Sterling Specialty Co.
NEW LEXINGTON—•†Star Mfg. Co. (Agricultural Implements, Wheels, Mine Cars, Feed Grinders, etc.)
NEW LONDON — •†Arnold-Creager Co. (Brick & Clay Machy.)
NEW MATAMORAS — •Stover Machine Works
NEW PARTAGE—†Sem-Steel Fdry. Co.
NEW PHILADELPHIA—Buckeye Tool & Machine Co.
•†Ladel Mfg. Co.
§Rathe Brass & Aluminum Co.
†§•Sharp C. J. Mfg. & Supply Co.
•Wise-McClung Mfg. Co. (Vacuum Cleaners)
NILES—•†§Globe Foundry & Machine Works
•§Youngstown Steel Car Co. (Car Builders, etc.)
NORTH BALTIMORE—•Exline & Son
NORTH CANTON—§•Hoover Suction Sweeper Co.
NORTH FAIRFIELD — †Fairfield Plow Works (Plows)
NORWALK—•Frederick Machine Works (Emery Grinders, Countershafts, etc.)
•Miller Anchor Co. (Anchor & Chains, etc.)
•Norwalk Drilling Tool Co. (Heavy Forgings, etc.)
†Norwalk Foundry Co. (Iron & Brass Castings)
NORWOOD—(See Cincinnati, O.)
OAK HILL—•†§Oak Hill Foundry & Machine Works
OAKLEY—†Modern Foundry Co. (Castings), 4601 Marburg
•†Williamson Foundry Co. (Heating Apparatus), Marburg av
†Woodward Mach. Co.
OBERLIN—•Ohio Road Machinery Co. (Road Machinery, etc.)
ORRVILLE—†§Foundries Co.
•†Sanderson-Cyclone Drill Co.
OTTAWA—•Todd Bros.
OVERPECK—†Buckeye Mfg. & Foundry Co.
PAINESVILLE—•Blackmore John (Machinist)
•†Coe Mfg. Co. (Veneer Machinery)
§Light Alloys Co.
•Ohio Mfg. Co., P. O. Box 146
See adv index at end of book
PEEBLES—•†§Suffron C. E. (Castings & Jobbing)
PIQUA—•†Bowdle Bros. (Castings & Jobbing)
†Champion Foundry Co., Dept. H
•Champion Paper Cutter Co. (Paper Cutters)
•†§Favorite Stove & Range Co. (Gas Stoves & Ranges)
†French Fdry. Co.
•French Oil Mill Machinery Co. (Oil Mill Machinery, etc.)
Wood Shovel & Tool Co. (Shovels, etc.)
PLYMOUTH—•†§Fate-Root-Heath Co.
POMEROY—•†§Pomeroy Machine Co.
PORTSMOUTH—•Central Machine Electrical Repair Shop
•Heer Engine Co. (Traction Engines)
†Neill Geo. W.
•Mitchell Mfg. Co.
†Ohio Stove Co.
•†§Portsmouth Stove & Range Co. (Stoves, etc.)
•Simpson Bros. (Brick Makers' Machinery)
†§•Whitaker-Glessner Co.
PROSPECT—•Prospect Mfg. Co. (Chemical Fire Engines, etc.)
RAVENNA—•†Browning Co.
•†§Byers Machine Co., The (Hoisting Machinery, etc.), 242 Sycamore
See adv index at end of book
†Ravenna Furnace & Heating Co.
†§Ripley Fdry. & Mach. Co.
•†Williams A. C. Co. (Sad Irons, etc.)
ROCKFORD—•Coppersmith J. M.
ROSSFORD—•Ford Edw. Plate Glass Co.
•Clinton Mfg. Co. (Pumps)
SABINA—•Clinton Mfg. Co. (Pumps)
•Sabina Pump Co.
ST. MARYS—•Boos Oil Engine Co.
•Lawter Tractor Co.
•QUICKWORK CO. (Power Shears, etc)
SALEM—•Buckeye Engine Co. (Steam & Gas Engines)
•Davis M. & Sons (Electrical Machinists)
•†§Deming Co. (Pumping Machy., etc.) *See adv index at end of book*
HUNT C. B. & SON, McKinley av
See adv index at end of book
†National Sanitary Co. (Enameled Iron Bathtubs)
†Pittsburgh Foundry & Machine Co. (See Pittsburgh, Pa.)
Salem Tool Co. (Miners)
•†Silver Mfg. Co. (Blacksmiths' Drills & Agric. Implts., etc.), Box 256
†Victor Stove Co. (Stoves)
SALINEVILLE—•Rice John (Jobbing)
•Salineville Model & Machine Works
SANDUSKY—•§Bay View Foundry Co.
•Brightman Nut & Mfg. Co.
•†Brown Clutch Co. (Pulley Clutches, Grey Iron Castings, etc.)
(Continued on following page)

Machinists & Founders—Continued

OHIO—SANDUSKY—Continued
- †§Farrell-Cheek Steel Foundry Co. (Steel Castings)
- †G. & C. Foundry Co.
- *†§Klotz Machine Co. (Handle & Wine & Cider Making Machinery, & Iron & Brass Fdrs.)
- *Mack Iron & Wire Works Co. (Architectural & Ornamental Iron & Steel)
- *Matthews Engineering Co.
- *Ohio Motor Co. (Gasoline Engines)
- *Roberts Motor Co. (Marine Motors, etc.)
- *§Sandusky Foundry & Machine Co.
- Sandusky Nut Co.
- *Sandusky Tool Co.
- Union Chain & Mfg. Co.
- *Vim Motor Co. (Gasoline Engines)

SEBRING—§Aluminum Foundry Co.
- *Hall Machine Works

SEVILLE—*†§Overholt Mach. Co.

SHELBY—*Chicago Handle Bar Co. (Bicycle Handle Bars)
- *Shelby Spring Hinge Co. (Steel, Brass & Bronze Hardware)

SIDNEY—*American Steel Scraper Co.
- *Eclipse Machine Co. (Paper Folding Machines)
- *Mentges Folder Co. (Paper Folding Machines)
- *Monarch Machine Tool Co. (Engine Lathes)
- *Peerless Bread Machine Co.
- *Pioneer Pole & Shaft Co. (Poles & Shafts)
- *Sidney Grain Machy. Co.
- *Sidney Machine Tool Co. (Woodworking Machy, etc.)
- *Sidney Steel Scraper Co. (Drag & Wheel Road Scrapers, Barrows, etc.)
- *Slusser-McLean Scraper Co. (Road Scrapers)
- *†§Wagner Mfg. Co. (Enameled & Aluminum Hollow Ware)
- *Whipp Machine Tool Co.

SPENCERVILLE—*Foster Tobias
- *Redick Jos. H.

SPRINGFIELD—*†American Radiator Co. (See Chicago, Ill.)
- *†American Seeding Machine Co. (Agrl. Implts.)
- *Automatic Metal Products Co.
- *†Bauer Bros. Co. (Oil & Feed Grinding Mill Machinery, etc.), Bauer bldg
- *Bauroth Bros. (Gas & Gasoline Engines)
- *†Bayley Wm. Co. (Builders, Iron Work, Special Machinery, etc.)
- *Bowlus Mfg. Co. (Joist-Drills, etc.)
- *Buffalo Springfield Roller Co. (Road Rollers, etc.)
- *Casey D. L. Machine Co. (Engines, Boilers, etc.)
- *§Central Brass & Fixture Co. (Brass Goods)
- *†§Duplex Mill & Mfg. Co. (Feed Mills, etc.)
- Eagle Engng. Co.
- *†Fairbanks Co. (Piano Plates, Castings, etc.)
- *Foos Gas Engine Co. (Gas Engines), 800 Monroe
- *†French & Hecht (See Davenport, Ia.)
- *†Grey Iron Casting Co. (Grinding Mills, Castings, etc.)
- †Hennessey Foundry Co. (Grey Iron Castings)
- *Hoppes Mfg. Co. (Feed Water Heaters, etc.)
- *Igou Mfg. Co. (Wrapping Machines)
- *Indianapolis Switch & Frog Co. (Frogs, Switches & Crossings, etc.)
- *†International Harvester Co. (See Chicago, Ill.)
- *†Kelly O. S. Co. (Piano Plates, etc.)
- *Kelly-Springfield Motor Truck Co. (Motor Trucks)
- *Lagonda Mfg. Co. (Boiler Flue & Tube Cleaners, Valves etc.)
- *†Leffel Jas. & Co. (Turbine Water Wheels & Engines, etc.), East st
- *†Mast, Foos & Co. (Windmills, Force Pumps, Lawn Mowers, etc.)
- *Miller Improved Gas Engine Co. (Heavy Duty Gas Engines)
- *Mitchell Engineering Co. (Polishing & Grinding Machines)
- *§Nolte Brass Co. (Brass Fdrs. & Finishers)
- Ohio Steel Fdry. Co.
- *†Patric Furnace Co. (Hot Air Furnaces)
- *Peters E. E. Machine Co. (Jobbing)
- *Reed Mfg. Co. (Rug Looms, etc.)
- *†Robbins & Myers Co. (Dynamos, Motors, Electric Fans) 1400 Lagonda av.
- *Roberts Thomas (Feed Mills, etc.)
- *Rodgers Geo. G. (Machinist)
- *†Ross E. W. Co. (Fodder Cutters, etc.)
- *Safety Emery Wheel Co. (Tools & Emery Grinders, etc.)
- *Shauver Co. (Auto Accessories & Wood Working Machinery)
- †§Springfield Aluminum Plate & Castings Co.
- *§Springfield Brass Co. (Brass Fdrs. & Finishers)
- *†Springfield Machine Tool Co. (Lathes, Presses, etc.)
- †Springfield Malleable Iron Co.
- *Steel Products Engng Co.
- *†Superior Gas Engine Co. (Gas & Gasoline Engines)
- *Superior Mfg. & Mill Co. (Gas Engines, etc.)
- *†Thomas Mfg. Co. (Agrl. Implts., etc.)
- *Thompson Grinder Co. (Grinding Machy., etc.)
- *†Trump Mfg. Co. (Engines, Water Wheels & Transmitting Machy.)
- †Western Fdry. & Mfg. Co.
- *Western Tool & Mfg. Co. (Tool Holders, Mandrels, etc.)
- †Wickham Piano Plate Co. (Piano Plates & Piano Hdw.)

STEUBENVILLE—†Irwin R. J.
- *†§La Belle Iron Works (Iron & Steel Castings & Machine Shops)
- *†Ohio Foundry & Mfg. Co. (Grates, Castings, etc.)

SWANTON—*†§Baker A. D. Co. (Traction Engines)
- *Pilliod Co. (Valves, etc.)

TIFFIN—*Hanson Clutch & Machinery Co.
- *Keller Andrew
- *†Loomis Machine Co. (Well Boring & Drilling Machy.)
- *†National Machinery Co. (Bolt & Nut & Rivet Machy., etc.)
- *†Sterling Grinding Wheel Co. (Emery Wheels & Emery Wheel Machy.)
- *†Tiffin Wagon Co.

TILTONSVILLE — †*Wheeling Sanitary Mfg. Co.

TOLEDO—*A. F. S. Machine Co., 531 S St. Clair
- Air-Way Electric Appliance Corp. (Motors, etc.), 618 B'way.
- *American National Co.
- *Art Iron & Wire Works
- *Asphalt Block Pavement Co.
- Austin Machinery Corp., Dorr at Westwood av
- *Automotive Corp., Spitzer bldg
- §*Ayling & Reichert Co.
- *†Baker Bros. (Tapping & Boring Machines & Woodworking Machy.)
- *Banting Machine Co. (Agrl. Implts., etc.)
- *Bauroth E. F.
- *Beckman, L. Co.
- †Belmont Fdry.
- Bingham Stamping & Tool Co., Post & Albion *See adv index at end of book*
- *Bissel F. Co. (Electrical Specialties, etc.)
- *Braunschweiger Bros. (Special Machinery, Tools, etc.)
- *§Bunting Brass & Bronze Co. (Bronze Bearings & Brass Castings), 738 Spencer. *See adv index at end of book*
- *Candy & Nut Machine Co. (Vending Machines)
- §Central Brass Foundry
- Central Machine & Tool Co., 1214-1216 Dorr
- City Machine & Tool Co., Toledo Factories bldg
- *De Vilbiss Mfg. Co. (Paint Spraying Machines)
- *Die Casting Company of Ohio (The)
- §*Diehler Die Casting Co.
- †Donovan Wire & Iron Co. (Grey Iron Castings), Chicago & W. & L. E. Ry.
- †Ensign Foundry Co. (Iron Founders)
- Etna Machine Co.
- †Garland Toledo Fdry. Co.
- *Gendron Wheel Co. (Bicycle Wheels)
- General Machine Co., 3440 Summit av
- *Gogel Mfg. Co. (Tuyere Iron Heaters, Fifth Wheels, etc.)
- *Haughton Elevator & Machine Co. (Elevators, etc.), 679 Spence
- Heartley Machine Variety Iron & Tool Works, 900 Summit
- †Industrial Steel Casting Co., Millard av & Front
- *Jaxon Co., 110 Jackson
- *Jeannin Electric Co. (Motors), 110 11th
- *Jones S. M. Co. (Gas Engines & Oil Well Supplies)
- *Kent-Owens Machine Co. (Machinists)
- *Landis E. M. & Co. (Gas Engines, etc.)
- *Lober Radiator & Mfg. Co., 128 11th
- †Maumee Malleable Castings Co.
- *§Merrell Mfg. Co. (Pipe Cutting & Threading Machinery), 15H Curtis
- *†§Milmine H. B. & Co. (Iron Fdrs., etc.)
- *Moore C. H. (Edge Tools, etc.)
- *Motor Macultivator Co., 1306H Dorr
- †National Malleable Castings Co. (See Cleveland, O.)
- *†§National Supply Co. (Oil Wells Supplies, etc.)
- *O'Neill Machine Co.
- *Pixley Safe Co. (Safes, etc.)
- *Ransom & Randolph Co., 518 Jefferson
- Rathbun-Jones Engng. Co. (Gas & Oil Engine), 823 Spencer
- *Reliable Machine & Tool Co., 1214 Dorr
- §Riddle Edward N. (Gas & Electric Fixtures, etc.)
- Rush Tool Co., 1305 Dorr
- *Schindler, Chas.
- *§Seeger Valentine (Brass & Comp. Castings)
- *§Seiss Mfg. Co. (Iron & Brass Specialties)
- *Shaw-Kendall Engineering Co.
- §Simplex Engineering Co., W Bancroft & Sylvan av
- Standard Electric Stove Co.
- *Sterling Cork & Seal Co. (Mfr. Machinery)
- *Toledo Auto Motive Products Co., 2240 Smead av
- §*Toledo Brass & Iron Wks.
- §Toledo Brass & Novelty Works (Brass & Comp. Castings)
- †Toledo City Fdry.
- *Toledo Coldmaker Co., 1690 Fernwood av
- *†Toledo Foundry & Machine Co. (Steam Shovels, Castings, Engines, Dredging Machinery, etc.)
- *†Toledo Machine & Tool Co. (Punching & Shearing Mach'y, Power Presses, Power & Drop Hammers, etc.)
- *Toledo Metal Wheel Co. (Bicycles, Metal Wheels, etc.)
- *Toledo Pipe Threading Machine Co. (Pipe Threading Machines, Dies, etc.), 1440 Summit
- *Toledo Saw & Supply Co. (Saws, etc.)
- *†§Toledo Ship Building Co. (Ship Builders, Engines, Brass & Grey Iron Castings)
- *†Toledo Steel Casting Co.
- Toledo Steel Products Co., Summit
- †Toledo Stove & Range Co. (Stoves, Ranges, etc.)
- *Toledo Tap Co., Clinton
- U. S. Malleable Iron Co. (Malleable Iron Castings, etc.)
- *Utility Tool & Die Co., Lane & Smead av
- *Watson Mfg. Co. (Machines)
- *§Willys-Overland Co.
- Wine Railway Appliance Co. (Side Bearings, Car Ventilators & Ladders)
- *Yost Electric Mfg. Co. (Lamp Sockets, etc.)

TORONTO—*†Toronto Fdry. & Machine Co.

TROY—*Hobart Mfg. Co. (Electric & Gasoline Coffee Mills & Meat Choppers, etc.)
- *Kelly Machine Co.
- †Star Fdry. Co.
- *§Troy Carriage Sun Shade Co.

TYRRELL—*Tyrrell A. H. & Son (Iron Fdrs.)

UPPER SANDUSKY—*†§National Steam Pump Co.
- *†Ohio Mfg. Co. (Agrl Implts, etc.)

URBANA—*Clifford-Jacobs Forging Co. (Forgings)
- *§Desmond-Stephen Mfg. Co. (Injectors, etc.)
- *Illinois Car Co. (Cars, etc.)
- Marvin W. B. Mfg. Co.

UTICA—*Cree J. A.

VAN WERT—Advance Machinery Co.
- *†§Spayd Bros.

VERMILION—*§Wakefield F. W. Brass Co. (Lighting Fixtures)

WADSWORTH—*†§Ohio Injector Co. (Boiler Injectors, etc.)

WAPAKONETA—*Krein Mfg. Co.
- *New Wapakoneta Wheel Co. (Wood Wheels)
- *Schemmel George C.
- *†Wapak Hollow Ware Co.
- *Wapakoneta Machine Co.

WARREN—*†§Aetna Fdry. & Machine Co. (Tin & Sheet Mill Machy. & Castings)
- *Alloy Electric Steel Casting Co.
- American Block & Mfg. Co.
- *Borden Co. (Pipe Threading & Cutting Tools), 508 Dane av
- Colonial Fan & Motor Co., Dept H
- ***FEDERAL MACHINE & WELDER CO. (THE)** (Welding Machines), Dana av *See adv index at end of book*
- †General Malleable Co. (Malleable Iron & Steel Castings)
- *†McMyler Interstate Co. (Dock Equipment) *See adv index at end of book*
- Packard Electric Co. (Electrical Specialties)
- *Peerless Electric Co. (Dynamos & Motors)
- *Sterling Electric Lamp Works of G. E. Co. (Electrical Specialties)
- Sterling Motor & Machine Co.
- *Sunlight Electrical Mfg. Co. (Motors)
- Supreme Motor Corp.
- *†Trumbull Mfg. Co. (Castings, etc.)
- *Winfield Mfg. Co. *See adv index at end of book*

WASHINGTON C. H.—Ortman Motor Co.

WAUSEON—†Pultz Chas.
- *Schlitz Philip

WELLINGTON — *Sterling Machine & & Stamping Co. (Auto Accessories)
- *†Wellington Machine Co. (Brick Machy., etc.)

WELLSTON—*Morrow Mfg. Co. (Mining Machinery, etc.)

WELLSVILLE—*†Menough Foundry Co. (Grey Iron Steel Castings)
- *†§Stevenson Co. (Brick Machy., etc.)

WESTERVILLE—*Bennet H. L. & Co. (Stump Pullers)
- *†Hance J. W. Foundry Co. (Grey Iron Castings, etc.)

WEST LAFAYETTE—*D. & J. Co. (W. W. Dyser, Prop.)

WEST MANCHESTER—*Parks C. M. (Machinery Mfrs.)
WICKLIFFE—*Cleveland Brick Machinery Co. (Brick Machinery)
*Cleveland Crane & Engineering Co. (Cranes & Hoists)
WILMINGTON—*Champion Bridge Co. (Structural Steel Work, etc.)
*Farquhar Furnace Co. (Hot Air Furnaces)
*Irwin Auger Bit Co. (Auger Bits, etc.)
*Turnbull Mfg. Co.
†Wilmington Casting Co.
WOODSFIELD—*Curtis & Haire
*Loffland Bros.
WOOSTER—§Buckeye Aluminum Co.
XENIA—*Kelly R. A. Co. (Shaping Machines, Machine Tools, etc.)
YOUNGSTOWN—§*Erb C. F.
§Falcon Bronze Co. (Brass & Bronze Castings, etc.)
*Fitzsimons Co. (Polished Steel Shafting), Wilson av
See adv index at end of book
*General Fireproofing Co. (The) (Steel Products), 2308 Logan av
See adv index at end of book
*McKay Geo. G. (Machine & Job Work)
*†§Mahoning Foundry Co. (Brass, Bronze & Small Grey Iron Castings)
*Pollock Wm. B. Co.
*†Republic Iron & Steel Co. (Grey Iron Castings, All Consumed by Co. also Machine Shop)
See Branch Offices, alphabetical section
*†United Engineering & Foundry Co. (Rolling Mill Machinery & Castings). (See Pittsburgh, Pa.)
*†Wilkoff Co.
*Youngstown Boiler & Tank Co.
*†Youngstown Foundry & Machine Co. (Rolling Mill Machinery)
*Youngstown Furnace Co. (Malleable Iron Castings)
*†Youngstown Sheet & Tube Co.
*†Youngstown Wire & Iron Co. (Fire Escapes, etc.)
ZANESVILLE—*Brown Mfg. Co. (Plows, Agrl. Implts., etc.)
*Columbia Machine Co.
*†§Dockary H. V. Brass & Iron Co.
*†§Griffith & Wedge Co. (Engines, Saw Mill Machy., etc.)
*†Jones Chas. H. (Stoves, etc.)
*Weller Samuel A. (Chemical Engines
†Weidig Foundry Co.
*Zanesville Mould Co.

OKLAHOMA

ALVA—*Bickel T. W.
ARDMORE—*§Jones-Everett Machine Co.
BARTLESVILLE—*†§Larkin J. J. (Oil Well Tools)
†§Osage Fdry. & Mach. Co.
*†§Union Machine Co.
BLACKWELL—*Paine O. R.
DEWEY—*Dewey Mfg. Co.
DURANT—*†§Durant Machinery & Iron Works
EL RENO—*†§El Reno Foundry & Machine Co.
ENID—*†§Enid Fdry. & Machine Co.
*Young John A. Machine & Supply Co.
McALESTER—*†§Union Iron Works
MANGUM—*Boyle P. J.
MUSKOGEE—*†§Muskogee Iron Works
§Muskogee Pattern Wks.
*†Swanson Plow Co.
NOWATA—*†§Marion Machine, Fdry. & Supply Co.
*Vandivort Wm. M.
OKLAHOMA—†§*Fremont Motor Co.
†§*Klein J. B. Iron & Fdry. Co.
*Mideke Supply Co.
*Prest Machine Works Co.
OKMULGEE—*†§United Iron Wks. Co.
SAND SPRINGS—†§Tulsa Stove & Fdry. Co.
SHAWNEE—†§*Shawnee Fdry. & Mach. Shop
*†§Wilkinson J. C.
TULSA—*†Oil Well Improvement Co.
*†§Oklahoma Iron Works
Norris W. C. (Oil Well Pumping Supplies)
*Robinson Packer Co.
*§Tulsa Machine & Tool Co.
*§Tulsa Stove Co. (Sand Springs)
WOODWARD—*Boyle Bros.

OREGON

ALBANY—*†Albany Iron Works (Floor Mill, etc.)
*†§Watson Bros. Iron Works
ASHLAND—*†§Ashland Iron Works
ASTORIA—*†§Scow Bay Iron & Brass Works
BAKER—†Gyllenberg J. A.
*McKim & Co. (Machinery)
BANDON—†§Rogers W. F. Fdry.
BEND—†§Huffschmidt-Dugan Iron Wks.
DALLAS—*†§Dallas Machine & Locomotive Works
EUGENE—*†§Frazer G. N.
*†Gross Bros. (Fdrs. & Machinists)
*Oregon Machinery Co.
*†Veitum & Clow Mfg. Co.
GRANTS PASS—*†§Grants Pass Iron & Steel Works
GRESHAM—*†§Beaver Motor Car Co.
MARSHFIELD—†§*Coos Bay Iron Wks.
*†§Nelson Iron Works
MEDFORD—†§*Medford Iron Wks.
NORTH BEND—*†§North Bend Iron Wks.
OREGON CITY—†Oregon City Foundry.
OSWEGO—*†Oregon Iron & Steel Co. (See Portland)
PENDLETON—†§*Empire Mfg. Co.
*†§Pendleton Iron Works
PORTLAND—*Albina Engine & Machine Wks., 28 Albina av
*Bell Ice Machine & Refrigerator Co., 1032 E Alder
*Clarke County Iron Wks., 104 N 4th
Coast Engine & Machine Works, E Madison & Water
*†Commercial Iron Wks., Union & Stephens
*Cornfoot, Wm., 28 Albin av
§Elec. Steel Fdry., 24th & York
*Ersted Machinery Mfg. Co., E 29th & Clackamas.
*§Harpers Brass Works (Brass Composition, Bronze, Machinists, etc.), 106 N. 5th
*Harris Ice Machine Works, 174 E. Water
*Helser Machine Works, 493 N 22nd
*†Hesse-Ersted Iron Works, E 8th & Taylor
*Hippley E. Machine Works, 224 Oak.
*†Independent Foundry Co. (Grey Iron Castings, Structural Steel), 743 York
*Irvington Machine Wks. (Saws), 375 E 6th N
*Isensee Wm. & Co. (Machinist), 49 N 1st
*Kenton Machine Works, 1771 Denver av.
*Klingbeil & Oetinger, 30 Front.
*†Leach Bros., 614 Hood
*LINK-BELT MEESE & GOTTFRIED CO., 67 Front
*Multnomah Iron Works, 30th & Nicolai.
†Northwest Stove Wks., 260 E 6th
§Northwestern Brass Foundry Co., 369 Grand av.
*†Oregon Iron & Steel Co., Porter bldg (Works: Oswego)
*Oregon Welding & Machine Works, 5th & Glesan
*Paulson Machine Works, 300 N 14th
*†Peninsula Iron Wks., Dept H, Alta & Bradford.
*†§Phoenix Iron Works, E. 3d & Hawthorne
*†Portland Iron Works, 14th & Northrup
†Portland Stove Works (Stoves), 18 E 7th, Derby
*Portland Wire & Iron Works, 294 2nd
*Reierson Machinery Co., 1295 Hood.
*†Smith & Watson Iron Works, 412 Front
*Storey T. W., 51 Union av.
*Supple & Walker Machine Works, 177 E Water.
Taylor E. L. & Co., 71 First.
*Thayer-Shaver-Gulley Machine Co., 233 E Water.
*Tuerck I. K., 402 Davis
*Tuerck-Mackenzie Machine Co., E 3rd & Irving
*†Vaughan Motor Works, 475 E Main.
*†Vulcan Machine Works (Canning Machy.), 90 N 4th
See adv index at end of book
*Western Foundry Co., 626 Hood
*Willamette Gas Engine Wks., 85 E 11th N
†*Wood-Ewing Iron Wks., 1371 Macadam rd
*†Wood John Iron Works Co., E. 8th & E. Alder
Zimmerman-Wells-Brown Co. (Engines, Boilers, Pumps, Machy), 76 1st.
SALEM—*Maurer John, 342-344 Center
*†§Salem Iron Works
*Wilson O. J., 388 N. Commercial
SILVERTON—†Silverton Blow Pipe Co., 109H W Main
THE DALLES—*†Kirk J. B.
TILLAMOOK—†§*Feeney & Bremer Co.

PENNSYLVANIA.

ADAMSTOWN—*Shirk A. G.
ALLEGHENY—(See Pittsburgh)
ALLENTOWN—*†§Aldrich Pump Co. (High Duty Pumping Engines, etc), Dept. H, Ft. of Pine
Allentown Bobbin Works (Steel Bobbins)
Bonney Forge & Tool Works
Bradley Pulverizer Co.
*§Brey & Krause Mfg. Co., 244 N Front
†Daugherty Foundry Co. (Grey Iron Castings, Grate Bars, etc.)
*Excelsior Knitting Machine Mfg. Co. (Knitting Machinery), 747 Meadow
*International Motor Co. (See New York City)
†Kline Hardware Co.
*†Mosser W. F. & Son (Iron Fdrs., Cement Machinery, etc.)
*Nadig C. H. Mfg. Co. (Gasoline Engines, etc.)
*†§Spangler Chas. (Grey Iron & Brass & Bronze Castings), 102 S 3rd
*Taylor Wm. H. & Co.
Traylor Engrg. & Mfg. Co. (Mining Machy.)
*§Vulcan Brass Works (R. Meisterknecht, Prop.), 714 N 4th
ALTOONA—†§*Foster M. A. & Son
AMBRIDGE—*†§American Bridge Co. (Office, Pittsburg, Pa.)
ARDMORE—*Autocar Co.
ASHLAND—*†§Goyne Steam Pump Co. (Steam Pumps)
ATHENS—Athens Foundry Co.
†§McDonald's T. R. Foundry
AVONMORE—*†National Roll & Foundry Co. (Rolling Mill & Plate Glass Machinery, etc.)
BANGOR—Flory S. Mfg. Co. (Iron Fndrs. Hoisting Engines, Stone, Slate Working Machy., etc.)
See adv index at end of book
BEAVER FALLS—†Howard Stove Co. (Stoves & Ranges)
*†§Ideal Foundry & Machinery Co. (Iron & Brass Founders, Dies, Patterns, etc.), 114 7th av
Keystone Driller Co. (Well Drilling Machy., Pumps, etc.)
See adv index at end of book
*†Murphy Foundry Co. (Iron Castings, etc.)
*†Penn Bridge Co. (Steel Bridges & Foundry & Machine Work)
*Standard Gauge Steel Co. (Finished Machine Keys, Compressed Steel Elevator Guards, etc.)
See adv index at end of book
*†§Standard Scale & Supply Co. (See Pittsburgh, Pa.)
BEDFORD—†Cromwell W. F.
BELLEFONTE—*†Bellefonte Engineering Co. (Grey Iron Castings, Steam Hammers, etc.)
BELLEVILLE—*†§Hertzler & Zook Co.
BELLWOOD—*†Bellwood Mfg. Co. (Car & R. R. Castings)
Williamson J. E. Co.
BENROY—*†Strickler B. F. & Sons (Tobacco Scrap Machinery)
BERWICK—*†§American Car & Foundry Co. (See St. Louis, Mo.)
BERWYN—*†American Bronze Corp.
BESSEMER—*Carnegie Steel Co.
BETHLEHEM—*†Bethlehem Fence Wks.
Bethlehem Fdry. & Mach. Co.
Bethlehem Shipbuilding Corporation, Ltd. (General Contract).
*§Roller-Smith Co. (Electrical Instruments, etc.).
BIRDSBORO—*†Birdsboro Foundry & Machine Co. (Rolling Mill Machy. Castings, Rock Crushers, Hydraulic Presses, etc.)
BLAIRSVILLE—*†Blairsville Enamel Ware Co.
*Blairsville Machine Co.
†*Blairsville Sanitary Co.
*†Tittle C. L.
BLOOMSBURG—†*American Car & Fdry. Co.
*†Bloomsburg Car Mfg. Co.
*†Harman & Hassert
†§*Richard Mfg. Co.
BLOSSBURG—*†§Moore Thos. J.
BLUE BALL—*Shirk P. E. (Cigar Machines, etc.)
BOLIVAR—*†§Bolivar Foundry & Machine Co.
BOYERTOWN—*†Schlegel Daniel (Agrl. Implts.)
*†§Union Mfg. Co. (Sad-Irons, etc.)
BRACKENRIDGE—*†Allegheny Steel Co. (Machine Shop & Foundry for Own Use). Office: Pittsburg, Pa.
†West Penn Steel Co.
BRADDOCK—*†American Steel & Wire Co.
See adv index at end of book
*†Braddock Mfg. Co.
*†§Carnegie Steel Co. (See Pittsburgh)
*†§McVay-Walker Co. (Sanitary Enameled Cast Iron Goods, Bath Tubs, etc)
†Sterling Steel Fdry. Co.
BRADFORD—*†§Bovaird & Co. (Engines, etc)
*†§Bovaird & Seyfang Mfg. Co. (Engines, Boilers, Pumps, Oil & Gas Well Supplies, Well Drilling Machinery, etc.)
*§Bradford Motor Works (Oil Well Supplies & Brass Castings)
Caldwell E. R. & Co. (Iron & Brass Founders, Pumps, Castings, Presses, etc.)
See adv index at end of book
*Combination Engine & Compressor Co. (Gas Driven Compressors, Gas Engines, etc.)
*†Custer Coupling Co. (Couplings, Clamps, etc.)
*†Dresser S. R. Mfg. Co. (Pipe Couplings, Packers' Clamps, Sleeves & Fillings, etc.)
†§*Fowler Fdry. Co.
*Ley Jno. (Oil Well Tools, etc.)
†§*Locke Mach. Wks.
*McElwaine Mfg. & Auto Co. (Gas Engines, etc.)
*Phillips David Co. (Oil Well Tools, etc.)
*Tuna Iron & Steel Works (Oil Well Tools)
BRAEBURN—Braeburn Steel Co. (Small Machine Shop for Own Use)
BRIDGEPORT—†§*Buch Fdry. Equipment Co.
*Gehret Bros.
BRISTOL—*Ardrey S. B. & Sons (Textile Machy., etc.)
†Harkins T. B. Foundry Co. (Stoves Furnaces, etc.)
*†Standard Cast Iron Pipe & Foundry Co. (Cast Iron Pipe & Castings)
BROOKVILLE—†*Jenks M. H.
BROWNSVILLE—*†§ Herbertson John Sons (Mine Cars, etc)

(Continued on following page)

Machinists & Founders—Continued

PENNSYLVANIA—Continued

BRUNNERVILLE—*†Bentz Frank B.

BURNHAM—*†§Standard Steel Wks. Co. (Steel Castings, etc.). (See Phila., Pa.

BUTLER—*†Butler Car Wheel Co. (Car Wheels, etc.)
*†Butler Engine & Foundry Co. (Engines, etc.)
†Campbell J. G. & W. (Oil Well Supplies)
*†Evans Mfg. Co. (Ltd.) (Engines & Gas Well Supplies)
*Heeter C. M. Sons & Co. (Drilling & Fishing Tools, etc.)
*Kesselman & Co. (Oil Well Supplies)
*Larkin & Co. (Oil Well Tools, etc.)
*Masseth Packer & Machine Co. (Oil & Gas Well Packers, Pumps, etc.)
*Phillips T. W. Gas & Oil Co. (Oil Well Supplies)
§Poole Brass Fdry. Co.
*Spang & Co. (Oil & Gas Well Supplies, Tools, etc.)
*†Standard Steel Car Co. (Steel Cars & Trucks, etc.) (See Pittsburgh, Pa.)

CALIFORNIA—*†§California Foundry & Machine Co.

CANONSBURG—†Canonsburg Steel & Iron Works
*†§Fort Pitt Bridge Works. (See Pittsburgh, Pa.)

CARBONDALE—Carbondale Mach. Co. (Ice & Refrigerating Machines). Dept. H.
*†Cross Engineering Co. (Coal & Ore Machinery, etc.)
*Hendrick Mfg. Co.

CARLISLE—*†Frog Switch & Mfg. Co. (Frogs, Switches, etc)
†Gardner E. J. Axle & Machine Co. (Axles & Machine Work)

CARNEGIE—*†§Dixon H. L. Co. (Glassmakers' & Potters' Supplies)

CATASAUQUA—DAVIES & THOMAS CO.
§Hercules Metal Works (Brass, Bronze & Copper Castings, etc.)
*Lenox Mfg. Co. (Sewing Machine Attachments)

CENTER HALL—*Haney Carriage & Machine Co.

CHAMBERSBURG—Chambersburg Engineering Co. (Steam Hammers, Cranes, etc.)
*†§Chambersburg Fdry. & Mach. Co. (Gasoline Engines, etc.)
*Hug A. C. (Machinist)
*†Nute, McGehee, Geary Co., Inc., H. Broad
*Schal Jno. D. & Co.
*†§Wolf Co. (Flour Mill ⅛ Power Transmitting Machinery)
*†Wood's T. B. Sons Co. (Power Transmitting Machy.)

CHARLEROI—†*Charleroi Iron Wks.

CHERRY TREE—†§*Cherry Tree Mach. Co.

CHESTER—*†American Steel Foundries (Open Hearth Steel). (See Chicago, Ill.)
*†Baldt Anchor & Chain Co.
*Berry Engineering Co. (Steam Specialties)
†Boulden Wm. M. & Son (Jobbing)
†Chester Steel Castings Co. (Open Hearth Steel Castings)
§Crown Smelting Co. (Brass Fdrs. & Machinery Castings, etc.)
†*Delaware River Iron Shipbuilding & Engng. Wks.
*†Federal Steel Foundry Co. (Open Hearth Steel Castings)

CHESTNUT LEVEL—*Brown J. Edgar

CHICORA—*Bowers Warren

CHRISTIANA—*†Christiana Machine Co. (Mill Machy.)

CLEARFIELD—*†Clearfield Machine Shops (Fire Brick Machy., etc)
*Gearhart Knitting Machine Co. (Knitting Machines)

CLEONA—*Imboden Harrow & Roller Co. (Agrl. Implements)

COATESVILLE—*†Coatesville Foundry & Machine Co. (Grey Iron Castings, etc.)
*†§Lukens Steel Co. (Steel Castings all Consumed by the Company; also Machine Shops for Repairs)
*Midvale Steel & Ordnance Co. (See Phila.)
*†Ridgway, Craig & Son Co. (Elevators, etc)

CODORUS—*†Auchey's Abraham G. & Sons (Iron Fdry., etc.)

COLLEGEVILLE—†*Freed Heater Co., Inc.

COLUMBIA—*†Keeley Stove Co. (Stoves, Ranges & Furnaces)
*O. K. Clutch & Machinery Co. (Power Transmission Machinery)
†§U. S. Lock & Hardware Co.

CONNELLSVILLE—*†Boyts, Porter & Co. (Steam Pumps, etc.)
Connellsville Foundry, Machine & Steel Castings Co., Dept H
*†Connellsville Iron Works (Boilers, Tanks, etc.)
*†§Connellsville Machine & Car Co. (Pumps, Engines, Mine Fans & Iron & Brass Castings, etc)
*†§Connellsville Mfg. & Mine Supply Co. (Coal & Coke Works Equipment)
†Cypher J. L.
McCairns Fdry. Co.
†Munson Heater Co. (Ltd.) (Heaters etc.)

CONSHOHOCKEN—*†§Bate Wm. T. & Son
*†Messinger's H. C. Sons (Stoves, etc.)
*†Wood John Mfg. Co. (Boilers, Tanks)

CORAOPOLIS—*†§Duquesne Steel Foundry Co. (See Pittsburgh, Pa.)
*Shamburg & Allen Machine Co.

CORRY—*†Ajax Iron Works (Steam Engines)
*†§Climax Mfg. Co. (Logging Locomotives & Cars, etc.)
*†§Love Mfg. Co. (Grate Bars, Mine Car Wheels, etc.)
*Trill Indicator Co. (Indicators, Reducing Wheels, etc.)

COUDERSPORT — *Coudersport - Mangle Roller Mfg. Co. (Mangle Rollers)

COWANESQUE—*†§Reippel's John Sons (Tools, etc)

CREIGHTON—†Yost Bros.

CRUM LYNNE—*Eagan-Rogers Steel & Iron Co. (Steel Castings)

CURTIN—†§*Eagle Iron Co.

DANVILLE—Brown Will G. (Machinist)
*†§Danville Iron & Steel Co. (Rolling Mill Machy., Engines, Grey Iron & Brass Castings, etc)
†Danville Stove & Mfg. Co. (Stoves & Furnaces)

DELTA—†*Roberts R. & Son
*Sidwell C. W. & Son

DICKSON CITY—†Early Foundry Co.

DU BOIS—*†§Du Bois Iron Works (Mining Machy., Grey Iron Castings, Pumps, etc.)
§*Nopack Brass Mfg. Co.
*†§Osborn Machine Co. (Brass & Grey Iron Castings & Machine Work)

EAST BANGOR—*†East Bangor Mfg. Co. (Castings & Specialties)

EAST BROOK—*Hinkson Bros. (Machinists)

EAST DOWNINGTOWN—*†§Downingtown Mfg. Co. (Paper & Pulp Mill Machy.)

EAST GREENVILLE—*†Haas Harvey B.
†Keystone Motor Mfg. Co.

EASTON—*§Easton Brass & Machine Works.
†§*Hawley Down Draft Furnace Co.
*Hobson & Co. (Agrl. Implmts. & Machy.)
†Kuebler Foundries (Malleable Iron & Steel Castings)
Pennsylvania Pump & Compressor Co.
See adv index at end of book
*†Treadwell Engineering Co. (Pipe Cutting & Threading Machines, Heavy Castings, etc.)
See adv index at end of book
Wharton Wm. Jr. & Co. Inc. (Manganese Steel).
Wilson Bros.
See adv index at end of book
*†Wilson Jacob (Est. of)
†Wilson Stove & Mfg. Co. (Stoves, etc.)

EAST PITTSBURGH—*§Pittsburgh Meter Co. (Gas Meters, etc.)
†§*Westinghouse Mach. Co.

EAST PROSPECT—†Strickler Frank

EAST STROUDSBURG—*†Stauffer Geo. E. (Engines & Flour Mill Machinery, etc.)

EAST WATERFORD—†Smith Joseph S.

EDDYSTONE—†Baldwin Locomotive Works
*†Belmont Iron Works. (See Phila., Pa.)
*†Eddystone Mfg. Co. (See Burnham, Williams Co., Philadelphia, Pa.)
†Pennsylvania Iron Works Co. (Marine Engines)
*Tindel Morris Co. (Machine Tools, etc.)

ELIZABETHTOWN—*†§Buch's A. Sons Co. (Lawn & Road Rollers, Fanning Mills)

ELIZABETHVILLE — *†§Swab Foundry Co. (Castings, etc.)

ELKLAND—*†§Bedell Andrew S.

ELKLICK—*Haselbarth C. R. & Son (Hardware, etc.)

ELLWOOD CITY—Ellwood Foundry & Machine Co.
*Mathews Gravity Carrier Co. (Conveying Machy.)
†*Shebly Steel Tube Co.
*†Standard Engineering Co. (Rolling Mill)
*†Steel Car Forge Co. (See Pittsburg, Pa.)
*Tindel-Morris Co. (Machine Tools, etc.), (See Eddystone, Pa.)

ELYSBURG—*†De Shay D. H. (Farm Implements & Castings of All Kinds)

EMAUS—*†Donaldson Iron Co. (Cast Iron Pipe)

EMLENTON—†*Crawford David A.

EMPORIUM—*†§Emporium Machine Co.

EPHRATA—*†Ephrata Foundry & Machine Works (Castings & Cast Iron Troughs, etc.)

ERIE—*§American Sterilizer Co.
*§American Sterlizer Co.
*Bay State Iron Works (Portable Engines, etc.)
*BURKE ELECTRIC CO. ("Burke" Electric Motors, etc)
Bury Compressor Co. (Air Compressors, Vacuum Pumps), 1200 W 17th.
†Cascade Foundry Co. (Grey Iron Castings)
Erie Bronze Co. (Brass & Bronze Castings), 353 W 19th.
*†Erie City Iron Works (Steam Engines, etc.)
*Erie Engine Works (Steam Engines, etc.)
*†Erie Foundry Co. (Steam Hammers, etc.)
*Erie Machine Shops (P. W. Dietley, Prop.)
*†Erie Malleable Iron Co. (Malleable)
*†Erie Steam Shovel Co. (Steam Engines, Castings, etc.)
*Erie Tool Works (Pipe Cutters, Vises, etc.)
§Erie White Metal Co. (Babbitt Metal, etc.)
†Freez Stove & Mfg. Co. (Stoves, etc.)
†Globe Iron Works
*Griffin Mfg. Co. (Builders' Hdw., etc.)
†*Griswold Mfg. Co.
*§Hays Mfg. Co. (Iron & Brass Goods for Gas & Water)
See adv index at end of book
*Heisler Locomotive Works (Geared Locomotives, etc.)
*Hollands Mfg. Co. (Bench Vises & Pipe Tools), 352 E 18th
*†§Jarecki Mfg. Co. (Iron & Brass Fdrs., Malleable & Grey Iron Steam Fittings)
*Lovell Mfg. Co. (Clothes Wringers, etc.)
*Merwin Mfg. Co. (Bench Shears, etc.)
*†Nagle Engine & Boiler Works (Steam Engines, etc.)
†National Foundry Co. (Steel Castings)
†Odin Stove Mfg. Co. (Gas Stoves, etc.)
†Patterson & Stirling (Hot Air Furnaces)
*Reed Mfg. Co. (Bench Vises & Pipe Tools)
*Sims Co. (Steam Specialties), 18th & Whitley av
*†Skinner Engine Co. (Steam Engines, etc.)
*Standard Saw Mill Machinery Co. (Saw Mill Machinery, etc.)
*Steiner Mfg. Works (Tools, Emery Grinders, etc.)
†Urick Foundry Co. (Grey Iron Castings)
*§Victoria Metal Co.
†Walker Foundry Co. (Grey Iron Castings)
*Watson N. A. (Boiler Injectors, etc.)
*Williams Tool Co. (Pipe Threading & Bolt Cutting Machines, etc.)

ETNA—†Etna Foundry Co. (Sash Weights)
§Roessing Bronze Co. (Brass & Bronze Fdrs., etc.)
*Spang, Chalfant & Co. (Works Contain Two Machine Shops). (Office: Pittsburgh, Pa.)

EVERETT—*†Pettigrew Wm.

FLEETWOOD—*Merkel A. P.

FORD CITY—*†§Pittsburgh Plate Glass Co. (See Pittsburgh, Pa.)

FRANKLIN—*†American Steel Foundries (Steel Castings)
*†Chicago Pneumatic Tool Co. of N. J. (See Chicago, Ill.)
*†Emery W. N. & Son (Iron Fdrs. & Machinists)
§Franklin Brass & Bronze Co.
†Franklin Fdry. Co.
*Franklin Portable Crane & Hoist Co. (Portable Cranes & Hoists), Printz blk.
†French Creek Fdry. Co.
*§Hough Chas. N. Mfg. Co. (Oil Well Specialties, Brass Founders, etc.)
*†Lane D. T. & Sons
*Milton S. G. & Son (Hoists, etc)
*Sheridan Jas & Sons
*†Venango Mfg. Co. (Railway Specialties)

FREEBURG—*†§Harmon & Moyer

FULLERTON—*†§Dent Hardware Co. (Hardware, etc.)
Fuller-Lehigh Co. (Cars, Wheels & Axles, etc.)
See adv index at end of book

GETTYSBURG—†*Gilbert Calvin

GIRARD—Ely Theo. J. Mfg. Co.
*Girard Model Works
†Lake Erie Foundry Co. (Grey Iron Castings, Stoves, etc.)
§*Milner Mfg. Co.

GLASSMERE—*†Allegheny Fdry. & Mach. Co.

GLASSPORT—*American Axe & Tool Co.
*†Pittsburgh Steel Foundry Co. (See Pittsburgh, Pa.)

GREENCASTLE—*Waeck Henry S. (Agrl. Implts.)

GREENMOUNT—*Null Geo. W.

GREENSBURG — *†§Hempfield Foundry (Mine Cars, Wheels, etc.)
*Henry & Sheffler Machine & Auto Co.
Kelly & Jones Co. (The) (Power Plant Piping, Steam Specialties, Valves & Fillings).
See adv index at end of book

GREENVILLE—Chicago Bridge & Iron Works, 108 Pine (See Chicago, Ill.)
See adv index at end of book
*†§Hodge Mfg. Co. (Iron Fdrs. & Machinists)

GROVE CITY—†Bessemer Foundry Co. (Grey Iron Castings)
*†Bessemer Gas Engine Co. (Gas Engines)
*Bessemer Motor Truck Co. (Auto Trucks)
*Carruthers & Fitlian Clutch Co. (Clutches, etc.)
§Grove City Brass & Bronze Co.
*§Lawrence Foundry Co. (Iron Castings)
GROVETON—*†Lewis Foundry & Machine Co. (See Pittsburgh)
HAMBURG—†Confer, Smith & Co.
†Hamburg Plow Works
*†Keiser Bros. (Radiators, etc.)
*†Loose Saml. A. & Son (Plows, etc.)
*†Neiman & Saul
*Snell John H. & Sons
HANOVER—*†§Fitz Water Wheel Co. (Water Wheels)
*Flickinger Bros.
*Flickinger John D.
*†Levering Bros.
HARMONY—*†Flowers Foundry Co.
HARRISBURG—*†Cooper E. N. & Co.
*Elliott-Fisher Co. (For Own Use), S Cameron
*Harrisburg Foundry & Mach. Works (Steam Engines, etc.)
*†Harrisburg Mfg. & Boiler Co.
*Harrisburg Roll Grinding & Corrugating Co.
*†§Hickok W. O. Mfg. Co. (Bookbinders' Machy., Iron & Brass Fdrs)
†Lalance & Grosjean Mfg. Co. (See New York City)
HAZLETON—*Anthracite Separator Co.
*Automatic Products Corp. (Pistons)
*Coxe Traveling Grate Co.
†§*Grass Mfg. Co.
*Harleigh Iron Works Co.
*†§Hazleton Iron Works Co. (Fdrs. & Machinists)
†§*Jeansville Iron Wks. Co.
†§*Wilmot Engng. Co.
*†§Worthington Pump & Machinery Corp. (Jeanesville Works)
HOLLIDAYSBURG—*†§McLanahan-Stone Machine Co. (Iron Fdrs. & Stone Working Machinery, etc.)
HOLLISTERVILLE—†*Mott J. B.
HOMESTEAD — *†Carnegie Steel Co. (Fdry. Dept.) (See Pittsburg)
*Homestead Iron Works Co.
*†§Homestead Valve Mfg. Co. (Valves & Steam Goods, Iron & Brass Fdrs.)
See adv index at end of book
*†§Mesta Machine Co. (Rolling Mill Machinery & Castings, etc.) (See Pittsburgh)
*†National Car Wheel Co. (See Pittsburgh, Pa.)
HONESDALE—*Gibbs Chas. E.
*†§Gurney Co.
HOPEWELL—*†§Simon John W. & Son
HUGHESVILLE—*†§Snowden Bros.
HUNTINGDON—†*Atlantic Radiator Co.
*†§Gerloch H. W.
HYDE PARK—*†§Hyde Park Fdry. & Mach. Co. (Rolling Mill Machy. & Castings)
INDIANA—†Indiana Foundry Co.
†Penn. Enamel Sink Co.
IRVINE—*†National Forge & Tool Co.
IRWIN—*†§Irwin Foundry & Mine Car Co.
*Penn Electrical & Mfg. Co.
IVYLAND—*Hobensack Wm.
JEANNETTE—*†Elliott Co.
†*Greensburg Fdry. & Mach. Co.
*Jeannette Machine Co.
*†Pittsburg Lamp, Brass & Glass Co. (See Pittsburg, Pa.)
JERSEY SHORE—†§Trump F. & E. D. (Iron Fdrs., Machinists)
*§Young C. C.
JOHNSONBURG — *†§Johnsonburg Machine Co.
JOHNSTOWN — *†§Cambria Steel Co. (Founders, Machinists & Steel Mfrs.)
*Century Stove & Mfg. Co. (Gas Stoves, etc.)
*†§Lorain Steel Co.
*†National Radiator Co. (Radiators, etc.)
*†§Suppes Forge & Foundry Co. (Iron & Brass Castings, Mining Machinery & Mine Cars)
†Union Radiator Co.
KANE—*Kane Supply Co. (Machinists)
*†Moser Mfg. Co.
KENNETT SQUARE—*†American Road Machinery Co. (Road Making Machy. etc.)
*Good Roads Machinery Co. (Road Making Machy.)
*†§Kennett Foundry & Machine Co.
KITTANNING—*†§Hoey & Gallaher Fdry. & Machine Co.
*†§Kittanning Iron & Steel Mfg. Co.
McCullough Jas., Jr. (Iron Fdry., etc.)
KUTZTOWN — *†KUTZTOWN FDRY. & MACHINE CO. (See Philadelphia, Pa.) *See adv index at end of book*
LACEYVILLE — Edwards Mfg. Co. (Log Turners, etc.)
*Vandervort John
LANCASTER — *†§Barry & Zecher Co. (Foundry Cupolas, etc.)
*Bowman's Ezra F. Sons (Watchmakers' Tools, etc.)
*Calder Geo. H. (Emery Wheel Dressers)
§†Carbon Steel Casting Co.
*†Champion Blower & Forge Co. (Iron Fdrs., Blowers, Portable Forges, etc.)
*Dellinger A. M. (Machines)
*Fidelity Electric Co. (Electric Motors § Fans), 330 Arch
*§Fraim E. T. Lock Co. (Locks, Castings, etc.), 237 Park av
Fraim-Slaymaker Hardware Co., Inc., H First
*Hamilton Watch Co. (Watches, etc.)
*Hermann Mfg. Co.
*†§Hubley Mfg. Co. (Light Grey Iron Castings, Brass Pattern Work, etc.)
*Koch Alfred S. & Sons (Jewelers' Tools, etc.)
†Lancaster Foundry Co. (Malleable Iron Castings)
†*Lancaster Iron Works, Inc.
†Lancaster Structural & Foundry Works (Architectural & Ornamental Iron)
*†Miller J. Walter Co.
†Monitor Bi-Loop Radiator Co.
*Potts D. H. Co. (Portable Forges, etc.)
*Schmid Bros.
*Vondersmith Harry M.
*Weichans Albert C. (Elevators, etc.)
LANDISVILLE — *§†Keystone Boiler & Fdry. Co.
*Minnich Machine Works (Baling Presses, etc.)
LANESBORO—*†Barnes Mfg. Co. (Machinists, etc.)
LANSDALE—*†Central Radiator Co.
†Cox Abram Stove Co. (Stoves, etc.) (See Philadelphia, Pa.)
*†§HEEBNER & SONS (Agrl. Impl.)
*†Krupp Foundry Co. (Cast Iron Pipe & Fittings, etc.)
LANSDOWNE — †Crucible Steel Casting Co. (Steel Castings)
LATROBE—*†Latrobe Electric Steel Co. (Castings)
*§West Latrobe Foundry & Machine Co.
LATTIMER MINES — *†§Lattimer Fdry. & Machine Co.
LEBANON—†§Freshley N. S.
*Fry Edward G.
*†Hunsicker Engineering Co. (Castings, etc.)
†Iron City Foundry Co. (Iron Castings)
†Lebanon Steel Foundry (Crucible Steel Castings)
†Lebanon Stove Co. (Stoves)
*Louden Machine Works
*†§North Lebanon Foundry Co.
*†§Umberger J. R. & H. G.
†Union Boiler & Mfg. Co.
†§Washington Street Brass & Iron Fdry
*†Weimer Chain & Iron Co.
*†§Weimer Machine Works Co. (Rolling Mill & Blast Furnace Machinery, etc.)
LEETSDALE — †Leetsdale Fdry. & Mfg. Co.
*Tate, Jones & Co.
LEHIGHTON—†Crescent Stove & Mfg. Co. (Stoves, etc.)
†Diamond Iron Works
*Lehigh Stove & Mfg. Co. (Hot Air Furnaces, etc.)
LEMOYNE—§Lemoyne Brass Fdry.
LEOLA—*Leola Machine Co.
LEONA—Ely E. C. Co. (Hdwe. Specialties, etc.)
LERAYSVILLE — †Bailey E. M. & Son (Iron Fdry. & Plows, etc.)
LEWISBURG — *†§New Central Foundry Co.
LEWISTOWN — *†§Lewistown Fdry. & Machine Co.
*Mann Jas. H. Co. (Tools, Axes, etc.)
LIBERTY—†*Miller R. N.
LINESVILLE—*Van Slyke F. J. & Son
LINFIELD—†§*Sanitary Co. of America
LITTLESTOWN — †*Littlestown Hdwe. & Fdry. Co.
LOCKHAVEN—†Novelty Iron Works
LOCUST VALLEY—*†Hersh Harvey M.
LUZERNE—*†§Luzerne Mfg. Co. (Mine Drills, etc.)
LYKENS—†*Eagle Iron Works
McDONALD—*Tillinghast B. D. (Machinist)
McEWENSVILLE—†Gearhart Wm. L. & Son
McKEESPORT—†Fort Pitt Steel Casting Co. (Steel Castings)
*†Monongahela & Yough Foundry Co.
*†National Tube Co. (Foundry Dept.), (See Pittsburgh)
*§Sheermesser H. S.
*Smith, Nimmo & Co. (Ornamental Iron Work)
McKEES ROCKS — †Fort Pitt Malleable Iron Co. (See Pittsburgh, Pa.)
*Fort Pitt Spring & Mfg. Co., Dept. H
*†Pressed Steel Car Co. (See Pittsburgh)
*†Taylor-Wilson Mfg. Co. (Iron Founders, Pipe Mill & Special Machy., Machine Moulded Gears, etc.)
McVEYTOWN—*†Stine Samuel R.
MACUNGIE—*§Macungie Brass § Mfg. Co.
*§Neumeyer H. F. & Son (Brass Fdry. & Nozzles & Couplings)
MAHANOY CITY — *†§Grant Iron Works (Steam Engines & Pumps, Car Wheels, etc.)
MANHEIM — Bond Foundry & Machine Co. (Power Transmitting), Penn
*†Hershey Machine & Foundry Co.
MANSFIELD—†§*Lomlinson De Witt C.
MARIANNA — *†§Johnetta Fdry. & Machine Co.
MARIETTA—†Marietta Casting Co.
*†Marietta Hollow Ware & Enameling Co.
†National Castings Co.
MARS—*Sheridan Jno. J. & Co. (Machinists & Drilling Tools)
*†Velte Foundry & Machine Co. (Grey Iron Castings; also Machine Shop)
MAUCH CHUNK — *†Mauch Chunk Iron Wks. (Coal Miners' Machinery, etc.)
MEADVILLE — *Barrette Machine Tool Co. (Machine Tools, etc.)
*§Bronze Metal Co. See New York, N. Y.)
*Champion Tool Co. (Blacksmiths' Tools)
*Dowell H.
*Hookless Fastener Co.
†Jones Fdry. Co.
*McCrosky Tool Corp. (Chucks, Reamers, etc.), Dept. H
†Meadville Malleable Iron Co. (Malleable Iron Castings)
*Meadville Metallic Vault Co.
*Meadville Wrench Co. (Wrenches, etc.)
*†Page W. H. Boiler Co. (Heaters, etc.). (Office: New York City)
*Phoenix Iron Works Co. (Tanks, etc.)
*Spirella Co.
*Yost Mfg. Co. (Vises, etc.)
MECHANICSBURG — *Comstock Geo. S. & Son
*Potts Mfg. Co. (Machinists, etc.)
*Wilcox D. Mfg. Co. (Carriage Hdwe., etc.)
MEDIA—*Wood Wm. H. (Special Machy., etc.)
MERCER—†Reznor Mfg. Co. (Gas Stoves, etc.)
MEYERSDALE — *†§Boucher Milton H. (Iron Foundry)
MIDDLETOWN — *†Middletown Car Co. (Cars & Castings)
*Wincroft Stove Works
MIDLAND — *†Pittsburgh Iron & Steel Foundry Co.
MIFFLINBURG—*†Albright Jas. H. & Sons (Agrl. Implements, Cultivators, Harrows, Rakes, etc.)
MILFORD SQUARE—*Weisel Harvey H.
*Millersburg Fifth Wheel Co. (Fifth Wheels, etc.)
MILLERSBURG—*Alvord Reamer & Tool Co. (Reamers)
Polk A. J. & Son Co.
MILLHEIM—*†Hartman J. H. B. Co.
MILTON—*†American Car & Foundry Co. (See St. Louis, Mo.)
*Milton Mfg. Co. (Nuts, etc.), Dept. H
*§Shimer Sam'l J. & Sons (Cutter Heads, etc.)
MONACA—*United States Sanitary Mfg. Co. (See Pittsburgh, Pa.)
MONESSEN—*†§Monessen Fdry. & Machine Co.
*Page Steel § Wire Co.
MONONGAHELA—*†§Coshocton Iron Co. (Iron Castings, etc.)
*†Cyclops Foundry Co. (See Pittsburgh)
*Liggett Spring & Axle Co. (Carriage Axles & Springs, etc.) (See Pittsburgh, Pa.)
*Simmons Foundry & Machine Works
*Tempest & Ternent
MONT CLARE—†Hallmann Oliver F. (Cast Iron Pipe Fittings)
MONTGOMERY—*†American Woodworking Machinery Co. (Woodworking Machy.) (See Rochester, N. Y.)
MONTROSE—*†Beach Mfg. Co. (Woodworking Machinery)
MORGANTOWN—*Sweigart Abraham R. (Jobbing)
MOSCOW—*†§Swartz Philip & Sons
MOUNT CARMEL—*†§Mount Carmel Iron Works (Coal Mining Machinery, etc.)
MOUNT JOY—*†§Grey Iron Casting Co. (Hardware Specialties & Light & Heavy Castings)
*†New Standard Hardware Works (Food Choppers, etc.)
*Rollman Mfg. Co., Ltd. (Iron Novelties)
MOUNT PLEASANT—†Lentz Henry
MOUNT UNION—†*Dixon H. L. Co.
MOUNTVILLE — *†Mountville Mfg. Co. (Agrl. Implts., Plows, Planters, Corn Shellers, etc.)
MUNCY—†Artley Bros. (Agrl. Implts.)
*†§Sprout, Waldron & Co. (Flour Mill Machinery, etc.)
See adv index at end of book
MYERSTOWN—†Dubble & Zinn
*Myers E. H. (Gasoline Engines, etc.)
†§*Myerstown Fdry. & Mfg. Co.
*†Painter Jos. & Sons
NANTICOKE—*Bittenbender W. W. & Co. (Machinists & Mine Drills)
*Norman Picker Co. (Slate Picking Machines)
NAZARETH—NAZARETH FOUNDRY & MACHINE CO. (Iron Castings & Machine Work)
NEW BRIGHTON — †Damascus Crucible Steel Casting Co.
§Keystone Bronze Co.

(Continued on following page)

Machinists & Founders—Continued

PENNSYLVANIA—NEW BRIGHTON—Continued
- •Pittsburg Machine Co. (Gas or Gasoline Engines)
- §Riedel & Sons Mfg. Co.
- •†Standard Sanitary Mfg. Co. (See Pittsburgh, Pa.)
- •Standard Specialty & Tube Co. (Collapsible Tube Filling & Closing Machines)
- •Townsend Co. (Wire Rivets, Nails, etc.)

NEW CASTLE—•Douds Frank C. & Co. (Steam & Water Specialties)
- •§Johnson Bronze Co. (Brass Car Trimmings & Castings)
- •†Penna. Engineering Works (Rolling Mill Machinery § Castings)
- †Stove & Range Co. of Pittsburgh

NEW HOLLAND—†•New Holland Mach. Co.

NEW KENSINGTON—•†Aluminum Co. of America. (Office: Pittsburgh)
- §Aluminum Cooking Utensil Co.
- Union Spring & Mfg. Co.
- •†Union Spring & Mfg. Co. (Springs, Steel Castings, etc.)

NEW OXFORD—•†Weaver & Co. (Feed Cutters, etc.)

NEWPORT—†Juniata Furnace & Fdry. Co.

NEWSIDE—•†Peter F. N. & Bro. (Iron Railings, etc.)

NEWVILLE—•Whistler J. C.

NORRISTOWN—•†Fowler & Wolfe Mfg. Co. (Radiators). (See Phila., Pa.)
- •†Haines, Jones & Cadbury Co. (See Philadelphia, Pa.)
- •†Harrison Safety Boiler Works. (See Philadelphia, Pa.)
- •Lowndes & Butler
- •†Newbold R. S. & Son Co. (Rolling Mill Machy. & Casting, etc.)
- •Reading Screw Co. (Screws & Specialties)
- •Rittenhouse Frank (Confectioners' & Tack Machy., etc.)
- •Rittenhouse Wm. H.
- •Walton Luther
- •†§Wildman Mfg. Co. (Knitting Machines)

NORTH EAST—•§Eureka Co. (Commutators, etc.)

NORTHUMBERLAND—•Keystone Forging Co. (Fifth Wheels, etc.)

NORTH WALES—•Armstrong Truck Co. (Trucks & Casters)
- †North Wales Foundry Co. (Grey Iron Castings)
- •†§North Wales Machine Co. (Hack Saw Machines, Bench Grinders & Grey Iron & Brass Castings)

OGONTZ—•Hammond C. & Son (Edge Tools, Hammers, Sledges, etc.)

OIL CITY—•Boardman Robt. Co. (Oil & Gas Well Tools, etc.)
- •Logan Robt. (Engines & Oil Well Supplies)
- •†§Oil City Boiler Works (Steam & Gas Engines, etc.)
- †Oil City Foundry Co.
- •†§Oil Well Supply Co.
- •†§Reid Jos. Gas Engine Co. (Gas Eng., etc.)
- •Simon August (Machinists)

OLYPHANT—†Olyphant Foundry Co.

ORANGEVILLE—•†§Conner J. W. & Son (Agrl. Implts. & Castings)

OSCEOLA MILLS—•†§Stine S. B. (Mine Fans, Haulage. Engines, etc.)

PALMERTON—†§•N. J. Zinc Co. of Pa.

PARKENSBURG—•Parkensburg Stamping & Mfg. Co.

PARKERS LANDING—•Schenck Mfg. & Supply Co.

PATTON—•Cole Bros. (Machinists)

PENNSTATION—•†American Fdry. & Pipe Co. (See Pittsburg, Pa.)
- •†§Hockensmith Wheel & Mine Car Co.

PERKASIE—•Karmer Wm. K.

PETROLEUM CENTER—•Betts W. L.

PETROLIA—•Berry Lewis D.

PHILADELPHIA—Acme Machine Co., 316-26 N 17th
- †Adams Wm. Fdry. Co. (Iron Fdrs., Builders & Other Castings, etc.) 960 N 9th
- §Adams & Westlake Co., 2218 W Ontario. (See Chicago, Ill.)
- †Aetna Foundry Co., 22nd & Allegheny av
- •Albro-Clem Elevator Co. (Elevators), D & Erie
- •Allen A. & Co. (Machinists), 2001 Carpenter
- •Allen Iron & Steel Co., 3rd & Venango
- •†Allen S. L. & Co. (Agrl. Implts.), 5th & Glenwood
- •Altemus Jacob K. (Textile Machy.), 2624 N. American
- •†§American Bridge Co. of New York (Pencoyd Works), Penn. bldg
- •†American Engineering Co. (Stokers, Windlasses, Hoisting Engines, Iron Castings, etc.), Aramingo & Cumberland
- •†American Fork & Hoe Co. Ashland Fkd. Creek. (See Cleveland, O.
- •American Insulating Machinery Co. (Wire Winding Machy., etc.), Huntington & Fairhill
- •†American Machinery Co., 330 N 12th
- §American Manganese Bronze Co., 3501 Rhawn
- •American Metal Works, Stenton & Rockland
- §American Meter Co., 3113 N 17th
- Ashman S. A. & Son Co., 2300 E. Tioga
- •Baeuerle & Morris Sugar Machinery), 932 N. Front
- •Bagshaw & Field (Machine Tools), 445 N 5th
- •†Baizley Jno. Iron Works (Builders' Iron Work & Castings), 514 S Del. av
- •†§Baldwin Locomotive Works 500 N Broad
- •†Barker Jas. (Iron Foundry, Cotton & Woolen Mach'y & Grey Iron Castings), 6th & Cayuga
- •Barnett G. & H. Co. (Files, etc.), 1076 Fkd av
- •Beck Chas. Machine Co. (Paper Box Machinery), 607 Chestnut
- Belfield H. Co. (Brass Fdrs. Valves & Steam Specialties, etc.), 435 N Broad
- †§Bement Miles Works, 21st & Callowhill. (See Niles, Bement, Pond Co.)
- •†Bernstein Mfg. Co. (Metallic Bedsteads, Grey Iron Castings, etc.), 3rd & Alleghany
- †Biddle-Gaumer Co. (Bldrs. Iron Work, etc.), 2346 Lancaster av
- •Bilgram Machine Works (Gears & Gear Cutting), 1235 Spring Garden
- •Billington Jas. H. Co. (Textile Machy.), 113 Chestnut
- §Bircher Geo. (Brass Fdr., etc.), 716 Cherry
- •Blessing C. A. (Plumbing Specialties, etc.), 516 Montgomery av
- •Boekel Wm. & Co. (Metal Spinning, Force & Test Pumps, etc.), 518 Vine
- •Borger, Valentine (Butchers' Tools, etc.), 2035 N 2d
- •†Boureau H. U. & Co. (Builders' Iron Work), 3302 Ludlow
- §Bradford Wool Comb. Co., 1908 E. Westmoreland
- •Braun Co. (Coffee Mills, Food Choppers, etc.), 1615 N 23rd
- •Brewer Bros. Co. (Bldrs.' Hdw., etc), 2743 N 2nd
- Brinton H. & Co. (Knitting Machy.), Kensingtton & M
- •Brohard Co. (Hardware Specialties, etc.), Lehigh & 3d
- †Brown E. E. & Co. (Iron Fdrs.), McKean & Meadow
- •Brown Instrument Co. (Electric Instruments), 4522 Wayne av
- §Buckley Walter F., 627 Filbert
- †•Budd Grate Co., 2013 E. Letterly
- •Bullock C. K. Co., 1357H Ridge av
- •†§Butterworth H. W. & Sons Co. (Textile Machy.), E York & Cedar
- •Carr Jos. Co. (Special Machy. & Optical Grinding Tools), 132 N 7th
- §Central Bronze & Brass Fdy., 714-716 Cherry
- •Central Machine Co. (Machinists), 7th & Wood
- •†Chester Steel Castings Co. (Steel Castings, etc.), 407 Sansom
- •Chesterman & Streeter (Metal Specialties, etc.), 25 S 11th
- •§Clay John H. (Brass Finisher & Fire Dept. Supplies, etc.), 1320 Ridge av
- Cochrane H. S. B. W. Corp. (Feed Water Meters, Steam & Oil Separators, Back Pressure & Atmospheric Relief Valves, Water Softeners, Ice Breakers), 3147 N. 17th
- §Cohocksink Brass Fdry., 907 N Hancock
- †Columbia Record Stove Co. (Stoves, etc.), 624 S 2d
- Commercial Truck Co. of America, 27th & Brown
- Cope T J (Conduit Threading Machines, etc.), 2112 Sansom.
- •†Cox Abram Stove Co. (Stoves & Heating Apparatus), N American & Dauphin
- •Coyle H. B. Iron Works, 622 Filbert
- •†§Cramp Wm. & Sons Ship & Engine Building Co. (Steel Ships, Marine Engines, etc.), Beach & Ball
- •†Cresson Morris Co. (Power Transmission & Sugar Machinery, etc.), Allegheny & 18th
- •†Creswell Sam'l J. Iron Works (Inc.) (Iron Fdrs. & Bldrs.' Iron Work), Cherry & N 23d
- •†Crompton & Knowles Loom Works, Rose Hill & Allegheny. (See Worcester, Mass.)
- •Dallett Thos. H. Co., 1324 Federal
- •Defiance Mfg. Co., Sumerdale Sta.
- •Deissler P. & Bro. (Machinists), 1741 N 6th
- •†§Devlin Thos. Mfg. Co. (Malleable & Grey Iron & Brass Fdrs., Malleable Iron Fittings & Carriage & Saddlery Hardware, etc.), N 3d & Lehigh av
- •Dewees Jno. W. (Machinist), 640 Filbert
- •Diamond Textile Machine Works (Textile Machy., etc.), Harrison bldg
- •Dienelt & Eisenhardt, Inc. (Power Hammers, Oil Cloth Printing & Special Machinery), 1304 N. Howard
- •Dietz Machine Co. (Envelope, Cigarette & Match Box Machy), 126 Fontaine
- •†Disston Henry & Sons (Inc.) (Saws, Tools, etc.), Tacony
- •Earle Gear & Machine Co. (Cut Gears, Machy., etc.), 407 Stentson
- •Electric Storage Battery Co. (Storage Batteries, etc.), 19th & Allegheny
- •§Ellis G. D. & Sons Co. (Brass Specialties, etc.), 309 N 3d
- •Energy Elevator Co. (Elevators), 214 New
- •†Enterprise Mfg. Co. of Pa. (Meat Choppers, Lawn Sprinklers, Hardware Specialties, etc.), Dept. H, 3rd & Dauphin
- •Espen-Lucas Machine Works (Machine Tools, Cold Saws, etc.), 8 Front
- •Evans Jno. Sons (Car & Carriage Spring & Leather Machy), 506 N 13th
- •§Evans S. W. & Son (Brass Goods), 4623 Paul
- Fairmount Foundry Co., 15th & Indiana
- •Fairmount Machine Co., 10 N 19th
- •Fidelity Machine & Mfg. Co., 3936 Fkd.
- •†§Flagg, Stanley G. & Co. (Iron & Steel Fdrs., Steam Pipe Fittings), 1421 Chestnut
- •†Fletcher Works, Glenwood av. & 2nd.
- •Flower D. B., 1217 Spring Garden
- •§Ford Bros. & Co. (Machinists & Brass Fdrs.), 1610 S Front
- •§France Packing Co., Inc. (Metallic Packing, etc.), 6510 State rd, Tac.
- •Frankford Mach. Co., Inc., 4097 Frankford av
- †•Freed Heater Co., Inc., 110 Walnut Philadelphia, Pa.
- •Geforer C. & Son (Gas Burners & Brass Goods), 1017 Ridge
- •General Engineering Co. (Machy. Repairs, etc.), 717 S Front
- †Gensel Fred. & Co (Iron Railings, etc.), 911 Vine
- •†Glover Bros. (Iron Founders & Hdw. Specialties), Paul & Vandyke
- •Goldner Henry Boiler & Tank Works, Water & Mifflin
- •Griffin Jno. J. & Co. (Gas Meters, etc.), 1513 Race
- •§Griffiths Jas. A. (Injectors, etc.), 1315 Buttonwood
- •Griffith Tool Works, 521 Market
- •§Haines, Jones & Cadbury Co. (Brass Fdrs., Plumbers' Brass Goods & Supplies), 1136 Ridge av. Works: Norristown, Pa.
- •§Halstead & Co. (Brass Fdrs. & Finishers), 1129 Cherry
- •Haltons Thos. Sons (Textile Machinery), Allegheny av & C
- Hand John E. & Sons Co., 208 Chestnut
- •Harrington Edwin Son & Co. (Machine Tools, Chain Hoists, etc.), N 17th & Callowhill
- §Hartman Co. (Valves, Tuyeres, Coolers, Liquid Cinder Cars, etc.), 123 N Front
- Harton Pembroke D. Co. (Bakers' Machy.). Lawrence & Leigh
- •Haskell Dawes Machine Co. (Textile Machinery), Trenton & Erie. (See Boston, Mass.)
- •Hawkins Wilson Co. (Steel Die Stamping Presses), 712 Sansom
- •Helme & McIlhenny (Gas Meters, etc.), 17th & Clearfield
- •Henderson Machine Co. (Machy. Mfrs.), 5032 Gtn. av
- •Hepworth Jno. W. & Co. (Textile Machy), cor Lehigh av & Macher
- Hess Machine Works (File Machy.), Dept. H, 4951 Lancaster
- •Hess & Barker (Engineers & Machinists, Tablet Machines), 212 S Darien
- §Hitz Chas. R., 2326 N 5th
- •Hodson G. & A. (Pulleys, etc.), 226 Arch
- •Hood, R. H. Co. (Worster & Curled Hair Machinery), 1842 Gtn. av
- •†Hoopes & Townsend Co. (Bolts, Nuts, Washers, etc.), Broad & Buttonwood
- §Horn & Brannen Mfg. Co. (Inc.) (Gas Fixtures & Brass Fdrs.), 427 N Broad
- •†Horrocks Iron Works (Builders' Iron Works), 1404 Melon
- •Hub Machine Welding & Contracting Co. (Metal Sawing Machines, etc.), 450 N 12th
- •Hughes & Russum (Beaming Machines, etc.), Oxford & Hedge
- •Insinger Co. (Dish Washing Machines, etc.), Stenton av
- •Jaeger Automatic Machine Co, (Slot Machines), 2238 N 9th
- •Jesnig C., 716 Sansom
- •Jesson Jno. B. (Machinist), 830 Wood
- •Johnson Israel H., Jr., Co. (Machine Tools), 337 N 15th
- •Johnson Mfg. Co., 814H Cherry
- •Kaltenthaler Henry J. (Flanges & Flange Fittings, etc.), 234 Cherry
- †Kappler-Fox Foundry Co. (Stoves, etc.), York & Thompson
- •Keystone Spring Works (Carriage Springs, etc.), 13th & Buttonwood
- •Keystone Structural Co. (Steel Structural Work), Harrison bldg.
- •Kinetic Electric Co. (Dynamos & Motors), 16 S Schell

§Kirn M. L. & Bro. (Brass Fdrs.), 2135 N Lawrence
•§Kitson Hydro-Carbon Heating & Incandescent Lighting Co. (Plumbers' Brass Goods, etc.), 2819 Oakford
§Klause Chas. (Brass Fdry. & Metal Spinning), 435 N Broad
•Knox Mfg. Co., 821 Cherry
Kruger & Blind Co. (Engine Room Repair), 511 Master
•†**KUTZTOWN FOUNDRY & MACHINE CO.** (Boiler Fronts, Grate Bars, Compound Separators, etc.), 1421 Chestnut
See adv index at end of book
•Lanston Monotype Mach. Co. (Type Casting & Composing Machines), 24th & Locust
Lebran Blower Factory (Engine Room Repair), 511 Master.
††•Lehigh Coal & Navigation Co., 437 Chestnut
•Leonard Machine Works (Special Machy. & Parts), 1222 Race
•†Liberty Stove Co. (Ranges, Furnaces, etc.), 308 Chestnut
†Lindsay Wm. A., Dept H, Krams & Wilde
•†**LINK-BELT CO.** (Elevating, Conveying & Power Transmitting Machinery), Hunting Park av & P. & R. Ry
See adv index at end of book
•§Lonergan J. E. Co. (Brass Fdrs. & Finishers & Steam Specialties), 211 Race
•Loomis-Manning Filter Co. (Water Filters), Land Title bldg, Reed & 37th
•Lorimer Machine Co. (Textile Machy.), Ontario & Lawrence
§Lukens Thos. F. Metal Co. (Canning Factory Supplies), 1105 Fairmont av
•Lusse Bros. (Machinists), 2807 N Fairhill
•Lutz Co. (Special Machinery, etc), 31st & Grays Ferry rd
•†**Lutz Co. Inc. (Special Machy), Dept H, Morris & Bambrey.**
•§McCambridge Co. (Plumbers Brass Goods, etc.), 315 N 20th
•McNiece Wm. & Son (Saws, etc.), 515 Cherry
§Massa George (Locks, etc.), 245 S 6th
††§May H. A. Foundry Co., 61st & Eastwick
•Mercury Machine Co, (Inc.), (Key Seating Machines), 2117 N Broad
•Midvale Co., Nicetown
•§Miller Lock Co. (Locks, etc.), 4523 Tacony
•§Mills Thos. & Bro. (Inc.), (Brass Fdrs. & Confectioners' Machy.), 8th & Thompson
•Mitchell John (Millwright, Machinist & Bldrs.' Iron Work), 2224 Vine
•††§Moore & White Co. (Iron Fdrs. & Machinists, Paper & Pulp Mill Machy., etc.), N 15th & Lehigh av
•††§Morris I. P. Co. (Engines, Pumps, Turbines, Castings, etc), Richmond & Norris
•†Morris Truck & Wheel Co., Inc., 760 S 42nd
•§Mousley's Chas. Sons (Brass & Bronze Castings & Ship & Car Hardware Mfrs.), 457 N 12th
•§Nacke A. & Son, 1310 N Lawrence
•National Automatic Knitter Co. (Inc.), (Textile Machy., Knitting Machines, etc.), 2725 Mutter
•National Metal Edge Box Co. (Metal Edge Box Machines), 1217 Callowhill
•National Specialty Mfg. Co. (Drug Mills, etc.), 3d & Lehigh av
•Nazel Engineering Works, 4049 N 5th
•†§Nelson Valve Co., H Chestnut Hill
Newton Edwin A. (Emery Grinders, Knitting Machy., etc.), 19th & Hamilton
•†Newton Machine Tool Works (Machine Tools), 23rd & Vine
•†Niles-Bement-Pond Co, (Machinists & Machine Tools), 21st & Callowhill. (See New York City)
•Norbom Engineering Co. (Dredging Machinery), Denckla bldg.
§North American Smelting Co. (Babbitt Metal, Brass and Phosphor Bronze, etc.), 9th & Thompson
•††§North Bros. Mfg. Co. (Brass & Iron Fdrs. Hardware & Specialties), Lehigh av, cor American
•Northern Machine W'ks, Marshall & Jefferson
•Novelty Electric Co. (Electric Specialties), 50 N 4th
§Oat Jos. & Sons (Distilling Apparatus), 228 Quarry.
•Orum Morris L. (Machinist), 503 N 11th
§Ott Geo. F. Co. (Machy. for Brewers, Maltsters, Chemical Works, etc.), 209 Buttonwood
•Otto Engine Mfg. Co., Dept. H, 33rd & Walnut
•†Pancoast Henry B. Co. (Iron Pipe, Fittings, etc.), 950 N Front
•Peerless Belt Lacing Mach. Co., Swanson & Moore
†Penna. Forge Co. (Forges), Jenks & Bath
Pennsylvania Instrument Co., 616-618 Chestnut
•§Perkes Chas. (Est. of), (Brass Fdr. & Plumbing Goods), 627 Arch
†Perseverance Iron Foundry Co. (Ltd.), (Iron Fdrs.), Passyunk & Federal
•§Phila. Coppersmithing Co. (Brass Fdrs. & Coppersmiths), 808 N Front
•Philadelphia Drying Machinery Co. (Drying Machy., Fans & Presses), 3351 Stokley
•Philadelphia Electrical & Mfg. Co. (Electrical Specialties), 1236 N 31st
•Philadelphia Gear Works (Gears, etc.), 1123 Vine
See adv index at end of book
•†Philadelphia Hardware & Malleable Iron Works, 9th & Jefferson
•Philadelphia Lawn Mower Co. (Lawn Mowers, etc.), 3101 Chestnut
†•Phila. Roll & Machine Co., 52nd & Grays av.
†Philadelphia Sash Weight Works, east of Lewis & Ashland
†Philadelphia Stove & Iron Foundry Co. (Iron Fdrs. & Stoves, Ranges & Grey Iron Castings), 1631 N 5th
†Phila. Thermometer Co., 9th & Arch
•Philadelphia Tram Rail Co., 3420 N Weikl
•†Phoenix Iron Co. (Iron Founders & Machinists & Steel Mfrs.), 22 S 15th. Works: Phoenixville, Pa.
§Phosphor-Bronze Smelting Co. (Phosphor Bronze), 2200 Washington av
•Plumb Fayette R. (Inc.) (Edge & R R. Track Tools, etc.), 4837 James
•Power L. & Co. (Woodworking Machinery), 20 S. 23rd
Proctor & Schwartz, Inc. (Formerly Phila. Textile Machy. Co.), 7th & Tabor rd
•Quaker City Iron Works, Dept. H, Tioga & Richmond
•Railway Steel Spring Co. (R. R. Springs, etc.), 1022 Newmarket. (See New York City)
•Rainear C. J. & Co., 518 Arch
§Reeves Paul S & Co. (Brass & Composition Castings & Bearings, etc.), 1415 Catharine
•Rehfuss George & Sons, 1311 Carlisle
•Reid Robert, 71 Laurel
•Remington & Sherman Co. (Safes, vaults, etc.), 1545 N Delaware
•†Richmond Radiator Co., 2241 N American. (See New York)
Riehl Bros. Testing Machine Co. (Testing Miachines, Jacks, Presses, etc.), 1424 N 9th, Dept. H
•Riehl H. & Son (Machinists), 1130 Orianna
•Ritter Machine Co., 19th & Glenwood
Roberts H. C. Elec. Supply Co., 11th & Race
†§•Roberts H. S. Co., Harrison bldg
†Roberts & Mander Stove Co (Stoves, etc.), Washington av & 11th
•Rooksby E. J. & Co., 1055 Hamilton.
•Rowan Hy. A., Jr. Co. (Machinist), 4927 Hazel
•Ruwell Wm. F. (Engine Repairs, etc.), 719 Noble
•§Savill's Thomas Sons (Brass Foundry & Finisher, Plumbing Goods), 1310 Wallace
•Schade Valve Mfg. Co. (Valve Mfrs.) 2528 N American
•Schiller, Nolan & Co. (Cylinder Re-Boring & Machinists), Darien & Wood
†Schneider Bowman Co., Frankford & Van Dyk
•†Schofield Wm. Co. (Iron Fdrs. & Textile Machy.), Kram's av ab. Wilde, Manayunk
•Schramm Chris. D. & Son Inc., 709 Arch
•†Scullin Simon (Est. of) Cambria & American
•†§Sellers Wm. & Co. (Inc.) (Machine Tools & Heavy Machy.), 1600 Hamilton
†Sheeler-Hemsher Co., 811 Fairmont av
§Shimer, McGlynn & Co. (Smelters, etc.), 19th & Washington av
•Shuster Plumbing Supply Co. (Iron Fdrs., Cast Iron Pipe & Plumbers' Castings, etc.), Willow & Franklin
•Simon Omer, 4030 Filbert
Smith, Drum & Co. (Textile Machinery), Allegheny av & 5th
•†**SOUTHWARK FOUNDRY & MACHINE CO.** (Hydraulic Machinery, Power Tools & Special Machinery), 1128 S 4th
See adv index at end of book
•†Specialty Engineering Co. (Elevating & Conveying Appliances), Trenton & Allegheny, Cornwall
•Standard Cast Iron Pipe & Foundry Co. (Cast Iron Pipe & Castings),
•Standard Shop Equipment Co. Inc., Dept H, 23rd & Huntington Park av.
•††§Standard Steel Works Co. (Steel Castings, etc.), Morris bldg
Stiffel & Freeman Co. (Safes, etc.), 723 Chestnut
Stokes F. J. Machine Co., 6138 Tabor
•†Stokes & Parrish Elevator Co. (Elevators), 16th & Sansom
•†Stokes & Smith Co. (Paper Box Machinery), Summerdale Sta.
•Stortz John & Son (Tools, Dies, Punches, etc.), 210 Vine
•Stow Flexible Shaft Co., 26th & Callowhill
•†Straub A. W. Co. (Grinding Machy., etc.), 3741 Filbert
•Sulzer & Co. (Gas Fixtures, etc.), 252 N 11th
•Sutterley G. T. & Co. (Silverplated Ware & Brass Goods), 1720 N 2nd
•Sweigard Jos. L. & Co. (Pneumatic & Pump Machy.), Lincoln bldg
•Tabor Mfg. Co. (Fdry. Molding Machines, etc.), 18th & Hamilton
•Tacony Steel Co., Franklin Bank bldg, Dept. H
†Temple Malleable Iron & Steel Co. Malleable Iron & Steel Castings), Harrison bldg. Works: Temple, Pa.
•Thompson Bros., H, 520 Buttonwood
•Tilghman Brooksbank Sand Blast Co. (Sand Blast Machinery, etc.), 1124 S 11th
•†Tioga Steel & Iron Co., 52nd & Grays av.
•Troemner Henry (Scales, etc.), 911 Arch
Twitchell & Co., 223 Vine
•Underwood H. B. Corp. (Cylinder Boring Bars, etc.), 1025 Hamilton
•Union Machine Works & Iron Foundry (Grey Iron Castings), 1821 So Water
•United States Metallic Packing Co. (Metallic Packing, etc.), 221 N 12th
§United States Smelting Works (Smelters, etc.), 1615 Spring Garden
•Walker Electric Co. (Electric Switches, etc.), 1020 W Susque
•Walker Thos., Jr., 4617 Tacony, Fkd
•Walton P. M. (Machinist & Millwright), 1019 Gtn av
†Ward Joseph T. (Iron Railings, etc.), 5809 Baynton
•Watts & Stern (Electrical Machinists) 1303 Buttonwood
•Wenzell S. S. Machine Co. (Bottle Working Machy., etc.), 5000 Parkside
•†Wharton Wm., Jr. & Co. (Steel & Grey Iron Castings, also Operates a Machine Shop), Widener bldg
§White & Bros. (Brass Founders & Smelters), Carbon
•Wicaco Screw & Mach. Wks., 4801H Stenton av
†Wilfong Millard F. Iron Works Co., 52d & Gray's av
•Wirt & Knox Mfg. Co. (Hose Reels, etc.), 23rd & York
•§Wonderly Abner H. (Builders' & Upholsterers' Hdw., etc.), 621 Commerce
†Wright Mfg. Co., 133H Master
•Yockel Chas. & Sons (Machinists, Moulds, etc.), 1220 N. Lawrence
††•Yocom James & Son, 145 N 2nd

PHILLIPSBURG—•††Gill Mfg. Co.

PHOENIXVILLE—•Heinle Safety Boiler Co. (See St. Louis, Mo.)
†Madco Foundry & Machinery Co. (Iron)
•††Phoenix Iron Co. (See Phila., Pa.)

PILLOW—•†Snyder Thos. L. (Iron Fdry. & Machinists)

PITTSBURGH—†•Acme Brass Fdry. Co., 4042 Liberty av
Adams Bros. Mfg. Co. Inc., Fayette & Chateau.
Aluminum Company of America, 2301 Oliver bldg
See adv index at end of book
•American Electric Air Pump Co. (Small Electric Air Pumps, etc.), Penn & Barbeau
Ajax Mfg. Co., 848 Jackson
†Allegheny Foundry Co., Boquet & Grant
•†Allegheny Steel Co. (Machine Shop & Foundry for Own Use), Oliver bldg. Works: Brackenridge, Pa.
•†§ American Bridge Co., Frick bldg
•†American Chain Co.
•†American Fdry. & Const. Co. (Valves, Castings, etc.), 2d av & Longworth
•†§American Locomotive Co., Beaver & Stanton
•†American Steel & Wire Co., Frick bldg *See adv index at end of book*
•Axtheim Mfg. Co., 242 3d av
Bailey Farrell Mfg. Co. (Brass Founders & Plumbers Supplies), S 20th & Sidney.
•Bankers Windshield Co., 5722 Ellsworth av.
§Bell Bros., 27th & A. V. R. R.
•†Bollinger-Andrews Construction Co. Empire bldg Structural Shops, Verona, Pa.
•§Cadman A. W. Mfg. Co. (Valves, Cocks & Iron & Brass Castings), 2816 Smallman
•Carbon Steel Co., ft. 32nd.
•†§Carnegie Steel Co., Carnegie bldg
•§Chaplin Fulton Mfg. Co., 34 Penn av
•†Cyclops Foundry Co. (Iron Castings, Pipe Rails, etc.), Union Bank Bldg.
Damascus Bronze Co. ("Damascus" Bronze Castings, Bearings, etc.), North Side.
•Danver R. H. (Machinist), 845 Pennsylvania av, North Side

(Continued on following page)

Machinists & Founders—Continued

PENNSYLVANIA—PITTSBURGH—Cont.

•†Dilworth, Porter & Co. (Ltd.) (Chilled Mill Castings, etc), 4th & Bingham
•Doerflinger Artificial Limb Co., 3001 East
•†Duquesne Steel Foundry Co. (Steel Castings & Machine Shop for Own Use), Arrott Bldg. Works: Corapolis, Pa., North Side
†Early W. J. Sons Fdry Co., 812 Sarah.
•Equitable Meter Co. (Gas Meters & Appliances), 424 1st av
•†**FAWCUS MACHINE CO.** (Gears of All Kinds, Rolling Mill & Special Machinery, etc.), 2818-2828 Smallman. *See adv index at end of book*
†Fischer Foundry Co., 300 Onyx
•†§Fort Pitt Bridge Works, House bldg
†Fort Pitt Malleable Iron Co., Thompson & Crawford
•Gazzam H. P. Machine Co. (Special Machinery), 32d & Penn av
•**GEM MFG. CO.** (Flexible Shafts, Boiler Tube Cleaners, Drills, etc.), Goebel, nr Fulton, N. S. *See adv index at end of book*
•Gillespie Mfg. Co., 810 Brocket
•†Goodman Engine & Machine Co. (Engines & Machy.) S 15th & Muriel
•Gracey R. & Sons Co., 115 1st av
†Hall Steam Pump Co., 213 Galveston.
•Heppenstall Forge & Knife Co. (Shear Knives, etc), 47th & Hatfield
•Heyl & Patterson, 51 Water
•Hunter Saw & Machine Co. (Saw Sharpening Machines, etc.), 57th & Butler
•International Couplers Co., 239 4th av
•Iron City Tool Works (Ltd.) (Machine Tools), 3201 Smallman
Kelly & Jones Co. The (Power Plant Piping, Steam Specialties, Valves & Fittings), 135 Water. *See adv index at end of book*
•†Kelly Nicholas & Son (Founders), 1704 Wharton
•§Keystone Bronze Co. (Rolling Mill Castings & Specialties, etc.) 39th & A. V. R. R.
†Lathwood Foundry Co., 30th & Wayne
•§Lawrenceville Bronze Co. (Copper & Bronze Castings for R. R., Mills, etc), Bessemer bldg
•†Lewis Foundry & Mach. Co. Works: Groveton, Pa.
•McAuley Automatic Trap Co., Imperial Power bldg.
•McClintic-Marshall Co. (Steel Structures, etc), Oliver bldg
•§McKenna Brass & Mfg. Co., Inc. (Brass Fdrs. & Finishers), 1st av & Ross
•McKinney Mfg Co. (Hinges, Butts, Hdw., etc.), Liverpool & Metropolitan Punches & Shears)
•†§Mackintosh-Hemphill Co. (Rolling Mill Machinery, Engines, Iron, Steel & Brass Castings, etc.), 12th & Etna
•Marine Mfg. & Supply Co., 35 Water
•Marshall Bros. (Elevators, etc.), 2015 S 21st
•†Marshall Foundry Co. (Iron Fdrs., Rolling Mill & Builders' Castings, Ingot Molds, etc.), 28th & R. R.
§Matthews James H. & Co. (Stencils, etc.), 3942 Forbes
Mesta Machine Co. (Rolling Mill Machy. & Castings), Box 1124
•Milholland J. & J. B. Co., 714 5th av
Miller Owen Elec. Co., Dept. H, Lexington av & Thomas blvd
•†Miller Saw Trimmer Co., Point bldg.
Morris & Bailey Steel Co. *(For Own Use), P. O. Box 932
•†Munroe R. & Sons Mfg. Corp. (Boiler Castings & Boiler Mfrs.), 23d & Smallman
•†National Car Wheel Co. (Car Wheels & Iron Castings), Keystone bldg
•†§National Tube Co., Frick bldg
•National Valve & Mfg. Co., 3101 Liberty av
§Newlands Bros., 28 & A. V. R. R.
Nuttall R. D. Co. (Gears & Pinions of all Kinds, etc.), McCandless & Harrison av.
§•Oberndorf Mfg. Co., 7509 Thomas blvd
•†§Oil Well Supply Co. (Oil & Gas Mill Supplies, Gas Engines, etc.), 215 Water.
•Peerless Heater Co. (Steam Heaters), 5602 Baun blvd
•†Penna Casting & Machine Co. (Car Wheels & Axles), 501 Preble
•†Phillips Mine & Mill Supply Co. (Coke & Coal Equipments), 2227 Jane
•†Phillips & McLaren Co. (Heavy Castings & Rolling Mill Machy., etc.)
•†Pittsburgh Brass Mfg. Co. (Plumbers' Brass Specialties & Brass & Bronze Castnigs, etc.), Penn & 32nd
•Pittsburgh Coal Washer Co. (Coal Mining Machinery), Fulton bldg
•Pittsburgh-Des Moines Steel Co. (Bridges, Tanks, Towers & Structural Work), 804 Curry bldg *See adv index at end of book*
•Pittsburgh Electrical & Machine Works (Dynamos & Motors, etc.), Barker pl
•Pittsburgh Forge & Iron Co. (Machine Shop Connected with Works), Chamber of Commerce bldg
•†Pittsburgh Foundry & Machine Co., ft 36th
•Pittsburgh Gear & Machine Co., 27th & Smallman, Pittsburgh, Pa. *See adv index at end of book*
•Pittsburgh Instrument & Machine Co., 236 3rd av
•†Pittsburgh Iron & Steel Foundries Co., H Oliver bldg.
•Pittsburgh Iron Works Co., 2170 Bedford av
•†§Pittsburgh Lamp, Brass & Glass Co. 130 7th
•†Pittsburgh Piping & Equipment Co. (Brass & Bronze Fdrs. & High Pressure Pipe, Pipe Fittings, etc.), 35th & Charlotte
•Pittsburgh Reinforced Brazing & Mach. Co., 2515 Liberty
•Pittsburgh Spring & Steel Co., Farmers Bank bldg
•†Pittsburgh Steel Foundry Co. (Steel Castings & Car Wheel Centers, etc.), 1115H Empire bldg, Works Glassport, Pa.
•†§Pittsburgh Valve, Foundry & Construction Co. (High Pressure Valves & Fittings, Iron & Brass Castings, etc), 26th & A. V. R. R.
•§Pittsburgh Water Heater Co., Jenkins bldg
•†Pressed Steel Car Co. (Steel Cars), 307 5th av
•†Rees Jas. & Sons Co. (Steamboat Bldrs.), 18 4th
•†Reliance Steel Casting Co. (Iron & Steel Castings, etc.), 28th & Smallman
•Renton Wm. (Cylinder Re-Boring, etc.), 101 Water
•Robinson Ventilating Co., Jenkins Arcade.
•†Rosedale Foundry & Machine Co. (Rolling Mill & Tube Mill Machinery & Castings, etc), Columbus & Preble
•†Rudd Mfg. Co., 29th & Smallman.
•Russel Machine Co., 28th & A. V. R. R.
•†Seaman-Sleeth Co. (Sand & Chilled Rolls), 41 & Willow
•†Simonds Mfg. Co. (Gears, Pinions & Electric Railway Specialties, etc.), Liberty av & 25th
•Sommerfeld Machine & Mfg. Co. (Gears & Glass House Machinery), 216 2nd av
•Spang, Chalfant & Co. (Works Contains Two Machine Shops), Union Bank bldg. Works: Etna, Pa.
†Springfield Foundry Co. (Iron Fdrs.), 3215 Smallman
•Standard Die Stamping & Mfg. Co., Arrott Power bldg.
•Standard Metal Bed Refinishing Co., Foreland & James, N. S.
•†§Standard Sanitary Mfg. Co. (Sanitary Enameled Iron Goods, etc.), Bessemer bldg.
Standard Scale & Supply Co., 1631 Liberty av.
•†Standard Steel Car Co. (Steel Cars, etc.), A V R R. Works: Butler, Pa.
•†Steel Car Forge Co. (Steel Cars, etc.) Works: Ellwood City, Frick bldg, Pa.
•†Sterritt-Thomas Foundry Co. (Fdrs. & Machinists, Rolling Mill & Mach'y Castings, etc.), 32nd & Smallman
•†Stove & Range Co. of Pittsburgh (Stoves, Furnaces, etc.), Preble av nr. Superior bridge
†Stroh Steel Hardening Process Co. 1st Nat'l Bank bldg
•Swain & Angel Co. (Steam Engines), 3105 Smallman
Tracy, Bertrand C. (Repair Parts for Coal Cutting Machines), 901 Pennsylvania av
•Tranter Mfg. Co., 105 Water
†Union Steel Casting Co. (Steel Castings & Annealing Boxes)
•†United Engineering & Foundry Co. (Rolling Mill Machinery), Farmers Bk. bldg
•†United States Cast Iron Pipe & Foundry Co., Oliver bldg. (See New York)
•†United States Sanitary Mfg. Co. (Plumbers' Cast Iron Enameled Ware), Arott bldg
§Vanadium Metals Co. (Brass, Bronze & Aluminum Castings), Vanadium bldg
§Wayne Brass Fdry. Co., 4635 Butler
•†Westinghouse Air Brake Co. (Air Brakes, etc.). Works: Wilmerding, Pa.
•Williams Gauge Co. (Gauges, Pumps, Governors, etc.), 543 4th av
•Wolverine Supply & Mfg. Co. (Dies, Special Machinery, etc.), Page & Fontella
•Wormser Glass Co., 2d & Sylvan aves
PITTSTON—•Delahunty Dyeing Machine Co. (Dyeing Machines, etc.)
††Exeter Machine Works (Elevating & Conveying Machinery, Grey Iron & Brass Castings, etc.)
•Huntley J. G. (Mine Drills, etc.)
†Pittston Stove Co. (Stoves)
•Telescope Mine Machine Co. (Mine Drills, etc.)
•†§Vulcan Iron Works
PLYMOUTH—•Bittenbender Geo. H. & Son (Mine Drills)
•†Howell's Mining Drill Co. (Coal & Rock Drills)
•Moss George A. (Mining Drills, etc.)
•Reese Sephaniah (Machy. & Tool Works)
POMEROY—•Phillips M. T.
PORT ALLEGANY—•Benson Fred S.
PORT CARBON—†§•Coxe Traveling Grate Co.
§De Witt E. W. & Son
PORTLAND—†Pearson Leroy
POTTSTOWN—•†§Bramcote Fdry. & Machinery Co.
•†Colebrookdale Iron Co. (Meat Choppers, Sad-Irons & Castings, etc.)
•Ellis Keystone Agrl. Works (Threshers, etc.)
•†Flagg Stanley G. & Co. (See Phila.)
•Heiges Tobis B.
•†Keystone Foundry Co. (Grey Iron Castings)
•Large Wm. H.
•§Light Mfg. & Fdry. Co. (Castings, etc.)
•McClintic-Marshall Construction Co. (Steel Structures, etc.)
†Marsh-Brownback Stove Co. (Heaters, Furnaces, Stoves, etc.)
††§•Pottstown Mach. Co.
Printz & Sevison (Stoves)
•Shoemaker Lewis F. & Co. (Steel Structural Work)
•†Wilbraham-Green Blower Co. (Rotary Blowers, Iron Founders, etc)
POTTSVILLE—•Eastern Steel Co.
•†Phila. & Reading Coal & Iron Co.
†Pottsville Foundry & Stove Co. (Stoves, etc.)
•§Zweibel Edward
PUNXSUTAWNEY—•Allison Wm.
•†§Porter G. W. & Son
•†§Punxsutawney Fdry. & Machine Co. (Brass & Iron Castings & General Machine Work)
QUAKERTOWN—•Nadig L. F. Quakertown Stove Wks. (Stoves)
RADNOR—•Righter Geo. W. (Mechl. Eng.)
RANKIN—•§Acheson Mfg. Co. (Brass Fittings, Valves, etc.) *See adv index at end of book*
•McClintic-Marshall Construction Co. (Steel Structures, etc.)
READING—American Die & Tool Co. (Punches, Dies)
Biehl Iron Works, Inc.
•Carpenter Steel Co. (Machine Shop Attached to Works)
•†§Chantrell Hardware & Tool Co. (Builders Hardware)
•§Crescent Brass Mfg. Co.
•§Dick Bros. (Plumbers' Brass Goods)
Dundore Mfg. Co. (Gears), 324 Orange.
•§Excelsior Brass Works (Brass Castings & Brass Specialties, etc.)
•Frances L. M.
§Franklin Brass Foundry Co.
•†§Gray Iron Foundry Co. (Grey Iron Castings, Hardware Specialties, etc.)
•Greth Machine Works (Inc.), (Machinists)
•Haag A. W. & Co.
•§Howard Metal Co. (Brass & Bronze Castings)
•Keiser Mfg. Co. (Sheep Shears, etc.)
§Kline & Co.
•†Mohn W. D. & Co.
†Mt. Penn Stove Works (Stoves, etc.)
†Penn Foundry & Mfg. Co.
•†§Penn Hardware Co. (Builders' Hardware)
•Pa. Optical Co.
•Prizer-Painter Stove Co. (Stoves & Ranges)
§•Progressive Copper & Brass Wks.
•†Reading Brass Works (Castings, Electrical Fittings)
†Reading Casting Co.
•†Reading Car Wheel Co. (Car Wheels). (See Buffalo, N. Y.)
•**READING CHAIN & BLOCK CORP.** (Hoists, etc.) *See adv index at end of book*
•Reading Cycle Mfg. Co. (Bicycle Mfrs.)
•Reading Engineering Works, 116 Washington
†Reading Foundry & Supply Co. (Soil Pipe and Fittings)
•†Reading Iron Co. (Rolling Mills, Iron Fdrs. & Machinists, Rolling Mill Engines & Sugar Machy, etc.)
••†Reading Scale & Machine Co.
•Reading Standard Co.
Reading Steel Casting Co.
•†Reading Stove Works (Stoves, Ranges & Heaters, etc.)
Roeper Crane & Hoist Works (Cranes, Hoists, etc.)
Speidel Elevator Corp. (Hand Hoist & Cranes
•†Textile Machine Works (Textile Machy. & Grey Iron Castings)
•Zacharias Edwin H. (Steel Containers, Clothes Pressing Machinery)

REBUCK—†Fisher W. H.
RENFREW—•Price Bros.
REYNOLDSVILLE—Herpel Bros.
RHEEMS—•Grove Isaac
RICES LANDING—•Young W. A. & Sons
RICHFIELD—†Shawder W. B.
RIDGWAY—•†§Elk Tanning Co.
•†§Ridgway Dynamo & Engine Co. (Dynamos, Engines, etc.)
•†Ridgway Machine Co.
•†§Ridgway Mfg. Co. (Iron & Brass Fdrs., Dry Kilns, Steam Engines, etc.)
RIXFORD—•Lilly Arthur L.
ROARING SPRING—•†Brown John I.
ROCHESTER — †Olive Stove Works (Stoves, Ranges & Castings)
•†Rochester Mould & Machine Co. (Glass House Machy. & Molds)
ROYERSFORD — †Buckwalter Stove Co. (Stoves & Furnaces)
†Floyd-Wells Co. (Stoves, Furnaces, etc.)
†Grander Stove Co. (Stoves, etc.)
•Keystone Structural Co. (Steel Structural Work)
•†Royersford Foundry & Machine Co. (Punching & Shearing Machy)
SAINT CLAIR—•§Quirin John & Bro.
SAINT MARYS—•†§Elk Engineering Wks.
•†§Kaul J. & A.
SALFORDVILLE—•Weldner Jacob K.
SALONA—†Esenwine Geo. W.
SAYRE—•†Cayuta Mfg. Co. (Fire Hydrants, Valves, Engraving Machines, etc.)
•Eaton & Glover Co. (Engraving Machines)
•Milled Screw & Machine Co.
•†§National Car Wheel Co. (See Pittsburgh, Pa.)
•§Sayre Stamping Co. (Railroad & Automobile Specialties & Castings, etc.)
SCOTTDALE—•†United States Cast Iron Pipe & Fdry. Co. (See N. Y. City)
SCRANTON—•†§American Safety Lamp & Mine Supply Co. (Brass & Grey Iron Castings, Mine Lamps), 1327 Capouse av
•Anthracite Welding & Machine Co., Wyoming av & Gibson
•†§Barker Samuel G. & Son (Track Scales, Machinery & Builders' Castings, etc.), Providence rd
•§Everhart Brass Works (Brass Goods & Brass Castings)
•†§Finch Mfg. Co. (Iron Fdrs. & Steam Engines, etc.)
†Graff Furnace Co., 2240 Jackson
§Hughes Bros. (Lamps & Brass & Comp. Castings)
McClave Brooks Co. (Automatic & Hand Fired Stokers, Grate Bars, Iron & Brass Castings, etc.).
•§O'Malley Mfg. Co. (Brass Goods)
•Pearce Chas. W., 1541 Albright av
†Pinnell J. W. (Grey Iron Fdrs.), 1200 Capanse av
•Scranton Bolt & Nut Co. (Machine Shop Connected with Works)
•Scranton Electric Construction Co. (Electric Drills, etc.)
•†§Scranton Pump Co. (Iron & Brass Fdrs. & Pumps)
•Scranton Silk Machine Co. (Textile Machy.), 1625 Nay. Aug. av
†Scranton Stove Works (Stoves)
SELLERSVILLE—•U. S. Gauge Co. (Vacuum Gauges)
See adv index at end of book
SHAMOKIN—•†Mullen John & Son (Iron Fdrs. & Engines, Pumps, Mining Machy., etc.)
SHARON—•†American Steel Foundries
•§Bidwell Foundry & Machine Co.
•†National Malleable Castings Co. (See Cleveland, O.)
†Sharon Foundry Co.
•†Shenango Machine Co. (Iron Fdrs. & Machinists)
SHARPSBURG—•†Moorhead Bros. & Co. (Inc.) (Iron Pipes, etc.)
†Sharpsburg Foundry Co.
SHARPSVILLE—†Valley Mould & Iron Corp.
SHILLINGTON—•Miller Wm. W.
SHIPPENSBURG—•†Domestic Engine & Pump Co. (Gasoline Engines, Pumps, etc.)
SINKING SPRING — †Manufacturers Foundry Co.
SLATINGTON — •†Slatington Foundry, Machine & Boiler Works (Ltd.) (Grey Iron Castings, Mine & Quarry Repairs, etc.)
SOMERSET—•†§Highland Fdry. & Machine Co.
SOUTH BETHLEHEM — •†§Bethlehem Fdry. & Machine Co. (Chemical Machy. & Iron & Semi-Steel & Brass Castings)
•†§Bethlehem Steel Co. (Rolling Mill, Special Machy. & Castings, etc.)
SOUTH FORK—•Oaks A. J.
†§•South Fork Fdry. & Machine Wks.
SPRING CITY—•†Keystone Stove Foundry (Stoves, etc.)
•Penna. Shafting Co. (Polished Steel Shafting)
STEELTON—†Penna Stone & Range Co.
STOWE—•†§Flagg Stanley G. & Co. (See Phila., Pa.)
STROUDSBURG—•†§Marsh E. B. Bro. & Co.
•†Stroudsburg Engine Works (Hoisting Machy., etc.)
•Tanite Co. (Emery Wheels, etc.)
SUNBURY—•†§Keystone Machine Works
SWALES—†Beers J. L. & Sons
†Jamison I. M.
SWISSVALE—•†§Union Switch & Signal Co. The (Railroad Specialties)
TAMAQUA—•†§Tamaqua Mfg. Co. (Iron Fdrs. & Ore Washing & Coal Mining Machy.)
TARENTUM—§SHOOP BRONZE CO.
†Stevener Chas. W.
TATAMY—•†§Messinger Mfg. Co., (Agri. Implements, Threshers, Planters, Grain Cleaning Machinery)
TEMPLE—†Temple Malleable Iron & Steel Co. (See Phila., Pa.)
TIDIOUTE—•Grettenberger Sons
TITUSVILLE—†American Radiator Co. (See Chicago, Ill.)
•†Titusville Forge Co. (Iron Fdrs., Machinists & Forgings)
•†§Titusville Iron Co. (Steam Engines, etc.)
Titusville Machine & Foundry Co.
TOPTON—•†Topton Foundry Co.
TOWANDA—•†§Humphrey Mfg. Co. (Iron Fdrs. & Machinists)
TROY—•†Troy Engine & Machine Co. (Jno. A. Parsons, Prop.) (Engines, etc.)
TUNKHANNOCK—•†§Avery's F. P. Sons
TYRONE—•†§Burley Heater Co. (Grey Iron Castings, Heaters, etc.)
•†§Stine J. C. Co. (Haulage Engines, Mine Fans, Incline Drums, etc.)
UNION CITY—•†Industrial Iron Works
UNION FURNACE—•†Union Furnace Mfg. Co. (Hot Air Registers, Shovels, Rakes, Hoes, etc.)
UNIONTOWN—Am. Brake Shoe & Fdry. Co.
§•Dudley Elec. & Mach. Co.
•Evans Mould & Foundry Co.
†Miller Foundry Co.
†§Union Foundry (Andrew D. Jaquett, Prop.)
VANDERGRIFT—•†§United Engineering & Foundry Co. (See Pittsburgh, Pa.)
WARREN—Allegheny Steel Tank Car Co.
•†§Barnhart-Davis Co.
•§Bashlin Co. (Brass Fdrs. & Valves, etc.)
•†§Fairchild & Betts
•G. G. G. Metal Stamping Co.
•†§Gisholt Machine Co. (Machine Tools, Vertical & Horizontal Boring Mills, Turret Lathes, Brass & Iron Fdrs.)
•Jamieson M W & Co. (Steam Pumps, etc.)
Penna. Furnace & Iron Co. (Hot Air Furnaces, etc.), 373 Pine
See adv index at end of book
•†Struthers-Wells Co. (Gas Engines, Boilers, etc.)
•Warren Axe & Tool Co. (Edge Tools etc.)
Warren Machine Products Co. (Air Compressors, Power Transmitting Machinery, etc)
•Wilburine Oil Works (Ltd.) (Machine Shop for Their Own Use)
WASHINGTON—•Natonal Wrought Iron Annealing Box Co.
•†§Northrup B. D.
•†Tyler Tube & Pipe Co.
•†§Zahniser Bros. & Sten (Oil & Gas Well Tools). Works: Waynesburg, Pa.
WATSONTOWN—†§Jones J. W.
WAYNE—Wayne Iron Works (See Phila., Pa.)
WAYNESBORO—•†§Emerson - Brantingham Co. (Farm Machinery).
•†Emmert Mfg. Co. (Vises, etc.)
•†§Frick Co. (Steam & Traction Engines, Ice Machinery & Agl. Implts. etc.)
•†Landis Machine Co. (Bolt Cutters, Pipe Machines, etc.)
•†Landis Tool Co. (Tool Grinders, etc.)
•Victor Tool Co. (Machine Tools, etc.)
Waynesboro Fdry. & Mach. Co.
WAYNESBURG—•Zahniser Bros. & Sten (See Washington, Pa.)
WEATHERLY—•†§Weatherly Foundry & Machine Co. (Grey Iron Castings, Railroad, etc.)
WELLSBORO—Edward Furnace Co.
WEST CHESTER—•Davis Louis N. (Valves, etc.)
•Mayer & Eachus
•Sharples Milker Co., Dept. H
•†Sharples Separator Co. (Dairy Machinery & Supplies, etc.)
•West Chester Engine Co. (Gasoline Engines)
WESTFIELD—•†Phillips Jacobs
WEST NEWTON—•†Fisher Mine Equipment Co.
•Neff H. S.
•†United States Radiator Corp. (See Detroit, Mich.)
WEST SALISBURY—•†§Knecht M & Sons
WHEATLAND—•†Sharon Foundry Co. (Rolling Mill Castings, Ingot Molds, etc.)
WHITE HAVEN—†§•Wilmot Engineering Co.
WILKES-BARRE—•Adder Machine Co. (Adding Machines)
Gates Foundry Co.
•Le Grand Mine Drill Works (Steam Mine Drills)
†McDade Chas. A. & Co.
•Nicholson W. H. & Co. (Expanding Mandrels, Compression Couplings, etc)
•†§Royer & Zweibel (Brass Fdrs., etc.)
•†§Sheldon Axle & Spring Co. (Carriage Axles, etc.)
•†§Vulcan Iron Works (Iron Fdrs., Engines, Mining Machinery, etc.)
•†Wilkes-Barre Iron Mfg. Co.
WILKINSBURG—§•Mack Fdry. & Mach. Co.
WILLIAMSPORT—•†American Woodworking Machinery Co. (See Rochester, N. Y.)
•Early Gas Engine Co.
•†Hermance Machine Co. (Woodworking Machinery)
§Lycoming Motor Corp. (Gasoline Engines), Dept. H
•Moltz Jacob J (Woodworking Machinery)
•†National Foundry Mfg. & Supply Co. (Power Transmitting Machinery & Grey Iron Castings)
•†§Rothfuss Howard Iron Works (Engines & Saw Mill Machinery)
†Rundio Nelson L (Grey Iron Castings)
•†Shepherd Engineering Co.
•Stutzman Frank
Sweets Steel Co.
•†United States Machine Co. (Woodworking Machinery & Iron & Brass Castings)
•Villinger Mfg. Co. (Dies, etc.)
•†Williamsport Radiator Co. (Radiators, etc.)
WILMERDING — •†§Westinghouse Air Brake Co.
•†Westinghouse Traction Brake Co. (Electric Car Brakes, etc.)
WINDOM—•Kauffman Harry M.
WRIGHTSVILLE—†•Dissinger Farm Co.
†Riverside Foundry Co.
•†Susquehanna Casting Co. (Light Castings & Hardware Specialties)
•†Wrightsville Hardware Co. (Builders' & Hardware, etc.)
WYNDMOOR—•†§Nelson Valve Co. (Valve Mfrs., Brass, Iron & Steel Fdrs., etc.)
WYOMING—•Eagan Jas. A. (Mine Drills, etc.)
YARDLEY—†§•Klauder-Weldon Dyeing Mach. Co.
YORK—Burrows F. A. Mfg. Co. (Valves, Regulators, etc.)
§Cochrane Brass Fdry.
•†§Eyster, Weiser & Co. (Water Wheels Powder Mill Machinery & Car Castings)
•†§Farquhar A. B. Co. (Ltd.) (Agri. Impls., Traction & Steam Engines, etc.)
•General Machine Works (Knitting Machinery, etc.)
•Henry, Millard & Henry Co. (Gas & Gasoline Engines, etc.)
†Levering Bros.
•Motter's Geo. F. Sons (Steam Engines)
•Ottemiller Wm. H. Co.
•Root B. M. Co. (Woodworking Machinery)
Smith S. Morgan Co. (Turbines, etc.), P. O. 667
•†Smyser Royer Co. (Grey Iron & Builders' Castings, etc.)
•†Steacy-Schmidt Mfg. Co. (Kilns & Grey Iron Castings)
•Wiest Machine Co.
•York Electric & Machine Co. (Incandescent Lamp Making & Special Machinery)
•†§York Foundry & Machine Co.
•†§York Mfg. Co. (Ice & Refrigerating Machinery), 26 N Clinton
•York Safe & Lock Co.
•York Saw Works
•York Wagon Gear Co. (Ltd.) (Wagon Gears)
YOUNGWOOD—§•Robertshaw Mfg. Co.
ZELIENOPLE—•†Herman Pneumatic Machine Co. (Foundry Molding Machines, etc.)
•†Iron City Sanitary Mfg. Co. (See Pittsburgh, Pa.)

RHODE ISLAND.

AUBURN — †§•General Fire Extinguisher Co.
†Hope Foundry Co. (Iron Castings)
BRISTOL—•†§Herreshoff Mfg. Co. (Yacht Bldrs.)
CENTRAL FALLS—•Hemphill Mfg. Co. (Knitting Machinery)
•Newell Fred. E. (Brass Fdry.)
EAST GREENWICH—•Boston Wire Stitcher Co. (Wire Stitching Machines)
•Nock F. S. (Engine & Power Boat Builder)
EAST PROVIDENCE—•Abrasive Machine Tool Co. (Surface Grinders)
†City Fdry. Co.
HILLS GROVE—†Rhode Island Malleable Iron Works (Malleable Iron Castings)
NEWPORT—•Burnham Gilbert H. (Machinist)
•Owen T. G. (Machinist)
PAWTUCKET—•Blackstone Machine Co.
•Collins Bros. (Machinists)
•Dawson Albert (Tipping Machines)
•Easton & Burnham Machine Co. (Textile Machinery, Spindles & Machinists), Pine

(Continued on following page)

Machinists & Founders—Continued

RHODE ISLAND—PAWTUCKET—Cont.

*†Fales & Jenks Machine Co. (Machine Tools, etc.)
*†§H. & B. American Machine Co. (Cotton Machinery)
*Haskell Wm. H. Mfg. Co. (Malleable Bolts Nuts etc.)
*Hemphill Mfg. Co. (See Central Falls)
*†Jenckes Knitting Machine Co. (Knitting Machinery, etc.)
§Jenkinson Brass Foundry Co.
*Luther C. A. & Co. (Textile Machy.)
*Moncrief Machine Co. (Jobbing)
*New England Machine & Electric Co.
*Pawtucket Mfg. Co. (Mach., Bolts, Nuts, etc.)
*Payne Geo. W. & Co. (Tetxile Machy.)
*†Potter & Johnston Machine Co. (Machine Tools, etc.)
*Roberts Roy L.
*Slocum, Wm. H. Co. (Machy., Forgings etc.)
*Standard Engineering Works (Milling Machines)
*Tenney A. E. Mfg. Co. (Machinists)
*†White J. S. Co. (Iron Fdrs. & Machinists)

PROVIDENCE—*Adams Bros., 224 Eddy
*§Allen Fire Dept. Supply Co., 159 Aborn
*Allen Wrench & Tool Co., 754 Eddy
*American Ball Co. (Balls, etc.), 115 Clifford
*Angell Chas. E. (Machinist), 218 Sterling av
†Barstow Stove Co. (Stoves, etc.), 116 Point
*Beaman & Smith Co. (Machine Tools)
*Blaisdell S. S. Machine Co., 228 Aborn
*Bragg Jno. I. (Wool, Combs, etc.), 24 Atwood
*†Brown & Sharpe Mfg. Co. (Machine Tools, Machinists' Small Tools & Grey Iron Castings)
*†Builders Iron Foundry (Grinding Machinery & Heavy Iron Castings, also Small Castings in Large Lots), 9 Codding
†§City Foundry Co., 2585 Pawtucket av
†Colvin Fdry. Co. (Grey Iron Castings) (Textile Machinery), 185 Globe
*†§Crompton & Knowles Loom Works (Textile Machinery), 241 Harris av
*Cruickshank Engine Co. (Stationary & Yacht Engines), 286 Dyer
†§*D. & W. Ruse Co.
*Dart E. M. Mfg. Co. ("Dart" Unions, Couplings), 134 Thurber av
*Diamond Machine Co. (Grinding Machinery)
*Excelsior Steam Engine & Machine Co., 32 Friendship
*Field Chas. H. (Engraving Machines), 113 Point
*†Franklin Machine Co. (Textile Machinery, Grey Iron Castings)
See adv index at end of book
§Freely W. J. Co., 169 S Angell
*†§Fuller Iron Works (Cast Iron Pipe, Brass, Bronze & Machy. Castings), 40 Tockwotton
*§Gorham Co. Arch'l Bronze (Brass & Bronze Fdrs.)
*Graham Mfg. Co. (Vises, Drill Speeders, etc.), 96 Point
*†§Grinnell Co., Inc., 275 W Exchange
*Heathcote Jno. & Son (Woollen Machinery), 212 Eddy
*Hughes Wm. Co., Bough
*Langelier Mfg. Co. (Special Machy.), Arlington
*McWilliams Mfg. Co., 237 Eddy.
*Mann Chas. A., 166 Doyle av
*Mason Volney W. & Co. (Elevators & Machy.), 2 Lafayette
*Mechanical Accountant Co. (Adding Machines, etc.), 17 Warren
Narragansett Machine Co.
*†New England Butt Co. (Braiding Machinery, etc.), 304 Pearl
†NICHOLSON FILE CO. (Files, Rasps, etc.)
*No-Dust Drying Machine Co. (Metal Drying Machines, Mechanical Dust Collectors, Polishing Machs., etc.)
*Parkinson Edw. Mfg. Co. (Machinist), 84 Sprague
*Pay Chas. & Co., 307 S Water
§Providence Art Metal Co., 137 Clifford
§Providence Brass & Aluminum Fdry. (Aluminum, Brass & Bronze Castings), 460 Eddy
*Providence Engineering Corp. (Corliss Engines & Contract Machy., etc.). 521 S Main
*Providence Mfg. & Tool Co. (Tools, etc.), 17 Warren
*Providence Steam Trap Co. (Steam Traps, etc.), 16 Diamond
†Providence Steel & Iron Co., Kinsley av
*Rhode Island Braiding Machine Co. (Textile Machinery), 228 Aborn
§Rhode Island Brass Foundry Co., 9 Charles
*Rhode Island Tool Co. (Tools, Nuts, etc.)
*Richards I. P. Co. (Punches, Dies, etc.), 23 Pemberton
*Scott Henry L. & Co. (Machinists), 101 Blackstone
*Screw Machine Products Corp (Contract, Mechanical & Electrical), 1012H Eddy.
†*Slocomb J. T. Co. (Machinists' Tools), 35 Oxford
*Standard Machy. Co. (Presses, Drops, Rolling Mills, Draw Benches, Shears, etc.)
*†§Textile Finishing Machinery Co. (Textile Machinery), 171 Westminster
Thurston Mfg. Co. (Machinery & Tools) 140 Benedict.
*Tower James H. Iron Works (Iron Work of all kinds), 50 Borden
*U. S. Bobbin & Shuttle Co. (Textile Machinery), 57 Eddy
*Universal Winding Co. (Winding Machines), Auburn
§White-Stillman Foundry Co. (Brass Fdrs.), 1 Bark
*Winsor & Jerauld Mfg. Co. (Textile Machinery), 1268 Eddy

RIVER POINT—†Brayton L. Foundry Co. (Grey Iron Castings)

VALLEY FALLS—*Hindley Mfg. Co. (Castings, Keys, etc.)

WARREN—†§Bosworth Walter S.
*Potter, Collamore & Co.

WESTERLY—*†§Cottrell C. B. & Sons Co. (Printing Presses, etc.)

WOONSOCKET—*American Wringer Co., 91 Social
*§Charlette Bros.
*Knight Geo. C. (Machinist)
*Taft Pierce Mfg. Co. (Contr. for Special Machy. & Mechanical Devices of All Kinds)
*†§Woonsocket Machine & Press Co. (Textile Machy.)
*Woonsocket Napping Machinery Co. (Textile Machy.)

SOUTH CAROLINA.

ANDERSON—*†§Anderson Mach. & Fdry. Co. (Machinery & Castings)

CHARLESTON—*†Charleston Dry Dock & Machine Co.
*†Riley John F. (Brass & Iron Castings, Forgings, Machines, etc.).
*†§Riverside Iron Works
†Virginia-Carolina Chemical Co. Fdy. Department)

CHESTER—*Chester Machine & Lbr. Co.

COLUMBIA—*†Gibbes Machinery Co. (Engines & Machinery Corp.)
*†§Tozer Engine Works (Gas Engines, etc.)

CONWAY—†Conway Iron Works

CORNWELL—*McKeown W. O. & Sons

DARLINGTON—†Wilson & James

DILLON—*Dillon Plow Works (Plows, etc)

GAFFNEY—†§Randall L. Y. S. C.

GEORGETOWN—*†§Atlantic Coast Lumber Corp.

GREENVILLE—*American Machine & Mfg. Co. (Oil Mill Machy., etc.)
†§*Greenville Iron Wks.
Greenville Iron Works (Textile Castings)
*†§Mountain City Fdry. & Machine Works (Inc.)

MARION—†McDuffie Emerson
†§*Marion Iron Wks.

ORANGEBURG—*†Smoak J. W.

ROCK HILL—*†Jones E. G. Iron Works

SALUDA—†Crout J. M.

SPARTANBURG—*Bomar B. F.
†§*E. Z. Force Pump Co.
*†§Standard Iron Works

SUMTER—*Pierson S. M.
*†§Sumter Machinery Co.
*§Sumter Telephone Co.

UNION—†Union Iron Foundry

WALTERBORO—*†§Cummings Iron Works & Supply Co.

SOUTH DAKOTA.

ABERDEEN—*†Hub City Iron Works

CANTON—*Bragstad Concrete Machinery Co., Inc.
*Ellingson E.

DEADWOOD—†§*Hogarth Jas.

DE SMET—*Elliott G. W. & Co. (Gasoline Tractors)

LEAD—*†§Homestake Mining Co.

MELLETTE—*Oberle G.

MITCHELL—†*Summers F. A.

REDFIELD—*†§Norbeck & Nicholson Co. (Iron Fdrs. & Machinists)

SIOUX FALLS—*†§Pankow Bros. (Fdrs. & Machinists)

WATERTOWN—†§*Bruns J. H. Fdry.
*Hanten Machine Co.
*Hess & Rau

WEBSTER—*Magnus Wm. J. (Machinist)

WOONSOCKET—†Janssen J. H.

YANKTON—*Fanslow Bros. (Machinists)

TENNESSEE.

BRISTOL—*†§Enterprise Foundry & Machine Works

CHATTANOOGA—*†§Acheson Foundry & Machine Works, Alton Park
*†American Brake Shoe & Foundry Co (see Mahwah, N. J.), 19th & Grove
*American Mfg. Co. (Light Hardware, etc.), Chestnut & Water
*†§Casey-Hedges Co. (Cast Iron Soil Pipe & Fittings, Boiler Fronts & Castings, Grate Bars, etc)
*Chattanooga Armature Works (Armature Castings, etc.), 1213 Duncan av
*†Chattanooga Implement & Mfg. Co. (Hay Presses, Agrl. Implts., etc.), Office E-C
*†Chattanooga Plow Co. (Plows, Cane Mills, etc.), Carter & Main
*Chattanooga Saw Works (Saws, etc.), 1512 William
*†§Columbian Iron Works (Fire Hydrants, Valves, Municipal Castings, etc.)
†Crane Enamelware Co. (Plumbers Enameled Cast Iron Ware), 14th & Chestnut
*De Loach Mill Mfg. Co. (Flour & Saw Mill, etc.), 318 Carter
*†§Eureka Foundry Co. (Iron Fdrs.), Grove & Belt Ry. crsng.
*†§Gustafson Mfg. Co. (Cars, Mine Equipments, Car Wheels, etc.), 211 W. 26th
†Heron Iron Bedstead Co., Main & Chestnut
*†Jones Machine & Foundry Co. (Brass & Grey Iron Castings), 1113 Elm
*†Lookout Boiler Mfg. Co. (Grey Iron Castings, etc.).
*McGregor J. F. Co. (Hardware Specialties, etc.), 711½ Cherry
*†Mountain City Stove & Mfg Co. Stoves, etc.)
*†Patten Mfg. Co. (Electric & Gasoline Hoists, etc.)
*Peglar Machinery Co. (Saw Mill Machinery, etc.), Camart & 16th
†Price-Evans Foundry Co. (Iron & Brass Castings, Stoves, etc.), Anderson av
*†§Ross-Meehan Foundries (Grey & Malleable Iron Castings, etc.), Carter av
*§Sharp J. C. Brass Works, 20th & Chestnut
*Southern Skein & Foundry Co. (Grey Iron Castings, Wagon Skeins, Wagon Hardware, etc.), E Lake
*Star Pea Huller Co., E Chattanooga
*Street Bros. Machine Works, Times bldg
*Tennessee Stove Wks., Main & Belt Ry
*†U. S. Cast Iron Pipe & Foundry Co. (see N. Y. City), 27th & N. C. Ry.
*Vesta Gas Range & Mfg. Co. (Stoves, Ranges, etc.), 110 Cathrn.
*†Walsh & Weidner Boiler Co. (Boiler Fronts & Castings, etc.)
*†Wheland Co. (Engines, Saw Mill Machinery, etc.), W Side & 27th

CLARKSVILLE—*†§Clarksville Foundry & Machine Works (Brass & Grey Iron Castings, etc.)
*†§Drane Foundry & Supply Co.
*†§Patch A. H. (Corn Shellers, Feed Mills, etc.)

CLEVELAND—*†§Hardwick Stove Co. (Stoves)

COOKEVILLE—Dorman E. E.

COPPERHILL—*†§Tennessee Copper Co.

HARRIMAN—Harriman Fdry. & Mach. Wks.
*†§Harriman Mfg. Co. (Lawn Rollers, Fanning Mills, etc.)

JACKSON—*†§Heathcock-Rush Machine Co.
†§*Jackson Iron & Bronze Wks.
*†§Southern Engine & Boiler Mfg. Co. (Engines, Saw Mill Machy., etc.)

JELLICO—*†§Jellico Foundry Co.

JOHNSON CITY—†§*Johnson City & Machine Co.

KNOXVILLE—*Dempster Machine Co., Dept. H, 114 E Main av
†Fair Foundry Co. (Stoves, etc.)
*†§Fulton Co. (Specialties)
*†Knox Stove Works (Stoves, etc.), Elliott av
*†§Knoxville Foundry & Machine Co.
*Knoxville Iron Co. (Machine Shop Attached to Works)
†Nelsen H. O. Iron Works (Iron (Fences & Castings), First
*†Sanford-Day Iron Works (Car Wheels & Cars)
*†§Savage W. J. Co. (Mill Machy., etc)
*†Southern Pipe & Foundry Co., 810 Island Home Pk
*Ty-Sa-Man Machine Co., White av
*Wolfe M. L. Automobile Co. (Machinist), Maryville Pk

LAWRENCEBURG—*Beuerlein F. X.

LENOIR CITY—*†Lenoir Car Works

LEWISBURG—*Green Bros.

LEXINGTON—*†Southern Fdry. & Machine Co.

McMINNVILLE—*†§Wrightman D. M. & Son

MARYVILLE—†*McNaughton Mfg. Co.

MEMPHIS—*†American Car & Foundry Co.
Beronio J. A., 251 Jefferson
*†Chickasaw Machine & Foundry Co., 298 N 2nd
*†§Ellis Wm. C. & Sons Iron Works (Agrl. Implts. & Machy.), 245 S Front
*†Lane F. M., 91 Illinois
*§Memphis Brass Valve Works, 4th & Jefferson
*†§Memphis Machine Works (Saw Mill Machinery, etc.), 171 Vance
*Memphis Repair Works, 169 S 2nd
Vulcan Iron Works, S 2nd
*†Wetter H. Mfg. Co. (Stoves, Cast Iron Soil Pipe, etc.), 107 Court av. Works: So. Pittsburgh, Tenn.

NASHVILLE—*†Allen Mfg. Co. (Stoves), 300 10th av N
*Bouchard John & Sons Co. (Compressors, Ice & Refrigerator Machinery), 1024 Harrison

*Braid Electric Co. (Elec. Specialties), 234 2nd av N
†Gray & Dudley Hardware Co.
†Jakes Foundry Co., 2800 Charrol av
*†§N. C. & St. L. Ry.
*Nashville Bridge Co.
*§Nashville Machine Co., 123 3rd av N
*Phillips & Buttroff Mfg. Co. (Stoves, Ranges, etc)
*Rock City Machine Co. (Machinists), 117 3rd av N
†Southern Foundry Co. (Small Iron Castings)
PULASKI—*†Pulaski Machine Co.
*West J. G.
ROCKWOOD—*†§Roane Iron Co.
SOUTH PITTSBURG—*†Lodge Mfg. Co. (Sad Iron & Hdw. Specialties)
†South Pittsburg Foundry Co. (Soil Pipe, etc.)
*†Wetter H. Mfg. Co. (See Memphis)
UNION CITY—*†§Semones & Son

TEXAS.

AMARILLO—*†Hume Mfg. Co.
AUSTIN—†*Dixon Mfg. Co.
*Gossard A. R. (Mill Machinery)
*Tips Engine Works (Gasoline Engines, Pumps, etc.)
BALLINGER—Creasy Rotary Filer Co.
BEAUMONT—*†§Beaumont Iron Works Co.
Oil City Brass Wks.
BRENHAM—*†§Beaumier Joe H.
BRYAN—*Stevenson John B.
BURKBURNETT—*Wilson Machine Co., 815 Ave B
CLEBURNE—*†§Cleburne Foundry Co.
*Texas Acetylene Co.
CORSICANA—*†§American Well & Prospecting Co. (Iron Fdrs., Machinists & Engineers, Well Machy.)
*†§Oil City Iron Works
DALLAS—*†Continental Gin Co. (Cotton Gins). (See Birmingham, Ala.)
*§Dallas Foundry
*†Mosher Steel & Machinery Co. (Iron & Brass Founders, Machinists, etc.)
*†Murray Co. (Gin Machy. & Supplies)
*Southern Plow Co. (Agricultural Implements)
*†Sutton, Steele & Steele, Inc. (Mining Machinery, etc.)
§*Texas Brass Mfg. Co.
DENISON—*Clark H. W. & Son
*§Knaur & Howe
EL PASO—§*Baumgarten & Wyler
*†Darbyshire Harvie Iron & Machine Co.
*†§El Paso Foundry & Machine Co. (Steel Castings)
FORT WORTH—*†Axtell Co.
†§Boicourt Machine Co.
†§Bowdry & McKinley Iron Works
*§Midland Brass Wks., Dept. H
*Texas Anchor Fence Co. (Farm, Stock & Lawn Fencing, Gates, etc.)
*Texas Cyclone Fence Co.
*Texas Mfg. Co. (Cotton Gins, etc.)
*†Van Zandt Iron Works
GAINESVILLE—†Arnett C. C.
GALVESTON—*†McDonough Iron Works (Steam Engines)
HENDERSON—Teller E. J. & Son
HOUSTON—*†Dickson Car Wheel Co. (Car Wheels, etc.)
*Grant Locomotive & Car Works (Locomotives & Cars Rebuilt)
*†§Hartwell Iron Wks. (General Machine Work & Iron & Brass Castings)
*†Houston Car Wheel & Machine Co. (Dredge, Oil Mill & Saw Mill Machy. & Iron Castings)
*§Houston Iron Wks. (Oil Mill Strainers, Brass Castings & Machine Work)
*Houston Structural Steel Co. (Steel Work for Buildings, etc.)
Hughes Tool Co.
*Layne & Bowler Co. (Pumps & Oil Well Strainers, etc.)
*†§Lloyd Metal Co. (General Machine Work & Iron & Brass Castings)
§Miller Louis E. (Electrical Engr. & Brass Fdr.)
*Riesner B. A.
*§Southern Brass Mfg. & Plating Co. (Brass Fdrs., Finishers & Platers)
*Stancliff Well Screen & Mfg. Co. (Oil Well Strainers, Drive Well Points, etc.)
JEFFERSON—*†§Jefferson Fdry. & Machine Shops
LAMPASAS—*Huling Tom B.
LONGVIEW—*†Kelly G. A. Plow Co. (Agricultural Implts.)
LUFKIN—*†§Lufkin Fdry. & Machine Co. (Saw Mill Machinery, etc.)
McGREGOR—*Texas Implement Mfg. Co.
MARSHALL—*†§Marshall Car Wheel & Fdry. Co. (Car Wheels, etc.)
ORANGE—*Evangeline Iron Wks. (Oil Field)
PALESTINE—Dilley Geo. E. & Son (Iron Fdrs. & Cars, etc.)
PARIS—*†§North Texas Foundry & Machine Co.
PITTSBURG—*†§Pittsburg Foundry & Machine Co.
RUSK—*†§Pryor James T.
SAN ANGELO—*§San Angelo Fdry. & Machine Co.
SAN ANTONIO—*†§Alamo Iron Works
†§San Antonio Fdry. Co.
*†San Antonio Machine & Supply Co.
*Schiffers Peter & Sons
*Southern Steel Co.
†§*Wenterborne W. H. & Sons
SHERMAN—*†§Washington Iron Works
TEXARKANA—*†De Marce Mrs. A. (Iron Fdry. & Steam Engines, etc.)
†§*Tex. Steam Engine Wks.
†§Twin City Fdry. & Mach. Co.
VICTORIA—*Knowlan Machine & Supply Co. (Jobbing)
WACO—*†§June D. Machinery Co. (Mill & Gin Machy., etc.)
WAXAHACHIE—*Cronk F. S. Co.
WEATHERFORD—*†§Lewis J. R.
WICHITA FALLS—*†§Wichita Falls Foundry & Machine Co.

UTAH.

OGDEN—Ogden Iron Works Co.
*†§Pearce Wm. & Sons
Ogden Iron Works Co.
PROVO CITY—†§*Provo Fdry. & Mach. Co.
SALT LAKE CITY—†§*Allen F. B.
*Crager Wire & Iron Works
*†§Davis, Howe & Co.
*Fowler J. P. Mfg. Co.
†§*Garfield Smelting Co.
*†§Salt Lake Engineering Works (Mining, Concentrating & Smelting Machinery)
†Salt Lake Sash Weight Foundry
†Western Foundry & Stove Repair Works

VERMONT.

BARRE—*†§Smith, Whitcomb & Cook Co. (Stone Polishing & Working Machinery)
Gilman & Son (Metal Cutting-off Machines)
*Trow & Holden Co.
BARTON—*†§Murkland Jno. W. Co.
BELLOWS FALLS—*†§Vermont Farm Machine Co. (Creamery Machinery, etc.)
BENNINGTON—*†§Bennington Scale Co.
*Cooper Chas. (Est. of) (Knitting Machinery, etc.)
*†§Scott Olin (Est. of) (Gun Powder, Paper & Pulp Mill Machy., etc.)
*Sibley E. L. Mfg. Co. (Eyelet Presses)
BRANDON—†Backus Corp. (Heaters, etc.)
BRATTLEBORO—White River Chain Co. (For Own Work Only)
BURLINGTON—Davis E. J. Machine Works
*Kidder J. F. Mfg. Co. (Angle Iron Cutting Machines)
†§*Vermont Construction Co.
EAST HIGHGATE—*Rixford Mfg. Co. (Scythes, Axles, etc.)
FAIR HAVEN—*†Fair Haven Foundry & Machine Co. (Hoisting Engines, Iron Castings, etc.)
HIGHGATE CENTER—*†§Highgate Mfg. Co.
JOHNSON—*†Daniels Machine Co. (Cutting Machy.)
LUDLOW—*Warner Edw. C.
LYNDONVILLE—§Harriman L. P.
MANCHESTER—*Hawley E. J. & C. H. (Sand Feed & Stone Working Machy.)
MIDDLETOWN SPRINGS—*Gray Fred. E.
MONTPELIER—*†§Lane Mfg. Co. (Woodworking Machinery, Traveling Cranes, etc)
MORRISVILLE—*†§Morrisville Foundry Co.
POULTNEY—†Gray Foundry, Inc.
*†§Ruggles Machine Co. (Slate Machinery, etc)
RANDOLPH—*†Sargent, Osgood & Roundy Co. (Plows, Farm Machy., etc.)
RUTLAND—†Davis Chas. E. Fdry. Co.
*Frenier & Son (Sand Pumps & Stone Working Machinery)
*Grimm G. H. (Evaporators, Steel Ranges, etc.)
*†§Howe Scale Co. (Scales, Engines, Power Hammers, etc.)
*†§Lincoln Iron Works (Stone Working Machy., etc.)
*†§Patch F. R. Mfg. Co. (Stone Working Machy., etc.)
*Rutland Machine & Auto Co.
*Steward L. & J. A. (Can Makers' Machinery, etc.)
SAINT JOHNSBURY—*American Fork & Hoe Co. (See Cleveland, O.)
*†§Fairbanks E. & T. & Co. (Scales, Power Hammers, etc.)
†§*Fairbanks E. T. & Co.
*†§Hooker O. V. & Son
SOUTH SHAFTSBURY—†Eagle Square Mfg. Co. (Steel & Iron Bedsteads, etc.)
SPRINGFIELD—*Bryant Chucking Grinder Co. (Chuck Grinders, etc.)
*†Fellows Gear Shaper Co. (Gear Shaping Machines)
Gilman & Son (Metal Cutting-Off Machines)
*Jones & Lamson Mach. Co. (Machine Tools, etc.).
PARKS & WOOLSON MACHINE CO. (Textile Machinery)
See adv index at end of book
§Springfield Brass Co. (Brass Fdrs.)
†§Vermont Snath Co.
WALLINGFORD—*American Fork & Hoe Co. (See Cleveland, O.)
*Wallingford Mfg. Co. (Hdw. Specialties, etc.)
WATERBURY—*†§Cooley Wright Mfg. Co. (Gas Engines & Stone Working Machines)
WINDSOR—Hubbard & McClary (Hdw Specialties)
WINOOSKI—*†§Stevens Machine Shops (Woodworking Machy)

VIRGINIA

ALEXANDRIA—*Aitcheson J. & H.
*†Alexandria Iron Works (Iron Fdrs., etc.)
*†Emerson Pump & Valve Co. (Foot Valves, etc.)
BASIC—*†§Penn Fdry. & Mfg. Co. (Steel & Malleable Iron Castings)
BERKLEY—*Berkley Machine Works
†§*Old Dominion Iron Wks.
†Blackstone Plow Wks.
BRIDGEWATER—*Miller W. H.
BRISTOL—†§Iron City Stone & Fdry. Co.
BUENA VISTA—*†§Buena Vista Foundry Co.
CHARLOTTEVILLE—†§Albemarle Stove Co.
*†Harris R. F. & Co. (Agrl. Implts., etc)
*Marshall George B.
CLIFTON FORGE—†§Clifton Forge Machine & Foundry Co.
COVINGTON—*†§Covington Machine Co. (Punches, Shears, Rolls, etc.)
CULPEPPER—*Nalle T. E.
DANVILLE—*†Carter's J. T. Sons
*†Westbrook Elevator Mfg. Co. (Elevators & Tobacco Machinery, etc)
EMPORIA—*†§Emporia Machine Co. (Inc.)
FINCASTLE—*†Bowyer O. M. (Machinist & Fdry.)
FREDERICKSBURG—†§*Dannehl Valentine
†Hunter Chas. E. Farmers' Friend Plow Works (Plows, etc)
GRAHAM—*†§Thistle Foundry & Machine Co.
HARRISONBURG—*†Bradley P. & Sons (Plows & Agrl. Implts.)
*Garber & Wilbarger Co.
HENRY—Blue Ridge Talc Co., Dept. H.
LYNCHBURG—*Cowmatic Corp.
*†§Glamorgan Pipe & Fdry. Co. (Cast Iron Pipe, etc.)
*Hicks C. W.
*†§Hubard Foundry & Machine Works
*†§Lynchburg Foundry Co. (Cast Iron Gas & Water Pipe & General Foundry Work)
Southern Electro Steel Co. Inc.
†§*United Cigarette Mach. Co., Inc.
MARION—*†Look & Lincoln (Agrl. Implements, Wagons, etc.)
*†Marion Fdry. & Machine Works
MARTINSVILLE—*†§Cheshire J. & Son
NEWPORT NEWS—*†§Newport News Ship Building & Dry Dock Co. (Steel Ships, Marine Engines, etc.)
*†Warwick Machine Co. (Marine Repairs)
NORFOLK—*†§Atlantic Iron Works (Iron & Brass Castings of Every Description)
†§*Berkley Mach. Wks. & Fdry. Co.
†Billups C. Son & Co. (Agrl. Implts., etc.)
Burchard Wm. A. Co. Inc., 56-60 Commerce, Dept. H
*†§Duval Geo. W. & Co.
*†§Eagle Iron Works
*†Elizabeth Iron Works (Engines, Boilers, Forgings, etc.)
†§*Old Dominion Iron Wks.
*Twin City Iron Works
†Whitehurst R. W. Mfg. Corp. (Agrl. Implts., etc.)
NORTON—*†§Norton Car & Foundry Co.
PARKSLEY—*McCready J. B.
PETERSBURG—*†Appomattox Iron Wks. & Supply Co. Inc. (Saw Mill Machinery, Iron Castings, etc.)
*†Ayers J. R. (Agricultural Implement Mfrs.)
*†§Titus Elmer E. (Iron Fdry. & Basket & Veneer Cutting Machy., etc.)
PHOEBUS—†*Freed Heater Co. Inc.
PORT REPUBLIC—†Port Republic Foundry
PORTSMOUTH—*Portsmouth Machinery Works
*Southern Metal & Weatherstrip Corp.
PULASKI—†*General Chemical Co.
*†§Virginia Iron, Coal & Coke Co.
PURCELLVILLE—Pancoast & Paxson Co.
RADFORD—*†Lynchburg Foundry Co. (Cast Iron Pipe, etc.)
RICHMOND—*†§American Locomotive Co. (Locomotives), N End 7th (See New York City)
*†Call-Watt Co. (Plows, etc.)
†Cameron Stove Co. (Stoves, etc.)
*†§Cardwell Machine Co. (Cottonseed & Tobacco Machy, Presses, Pumps, etc), 1900 E Cary
†§Carr Jas. W. (Brass & Iron Castings, etc.), 7th N 25th
*Commonwealth Supply Co., Mutual bldg
*†Johnson J. R. & Co. (Car Axles, etc.)
*Kline Kar Corp. (Auto Bldrs.), Boulevard nr. Fairgrounds
*McConnell-Browning Eng. Co. (Special Machy.), 1015 E Cary
*†McGee O. G. & Son, 2312 E Main
*Morrison Company, Mayo's Isle
*†Richmond Fdry. & Mfg. Co. (Grey Iron Castings), Hermitage rd

(Continued on following page)

Machinists & Founders—Continued

VIRGINIA—RICHMOND—Continued
- *Richmond Pressed Metal Works, Inc., Stockton & 6th
- *†Richmond Stove Co. (Stoves, etc.), Dept H, 2506 E Main.
- *†Richmond Structural Steel Co., 18th & Dock
- †§Southern Stove Works (Stoves, etc.)
- †Starke's Dixie Plow Works, Inc. (Agricultural Impl., Castings, etc.), 1518 E Cary
- *†§Strickland Machine Co. (Machinists & Fdrs.), 2330 E Main
- *Tower-Binford Electric & Mfg. Co. (Electrical Specialties)
- *†§Tredegar Co. (Car Wheels & Brass & Iron Castings), ft. of 5th
- *Umlauf J. A. (Elevators), 9 S 15th
- *Virginia Forging & Mfg. Co.
- *Virginia Iron & Metal Co., 7th & Semmes

ROANOKE—*†§Roanoke Iron & Bridge Works, Inc.
- Roanoke Iron Works Inc. (Steel Castings, Iron Pulleys & Shafting)
- *Rock Hill Machine Works
- *†Virginia Bridge & Iron Co. (Bridge & Steel Structural Work, etc.)

SALEM—*Comas Machine Co. (Cigarette Machinery)
- *†§Salem Foundry & Machine Works (Flour Mill Machy.)

SALTVILLE—*†§Mathieson Alkali Works
STAUNTON—*†Leader Plow Co. (Plows, etc.)
- *Stockdon B. F. & Bros.

SUFFOLK — *†§Benthall Machine Co. (Peanut Picking Machines, etc.)
SUTHERLIN*†Kerns T. A.
VENTER—*†Adams C. R.
VESUVIUS—†Vesuvius Plow Works (Agricultural Implements)
WAYNESBORO—†Loth W. J. Stove Co. (Stoves)
WEST GRAHAM—†§*Thistle Fdry. & Machine Co.
WINCHESTER—*†Snapp Fdry. Co.

WASHINGTON.

ABERDEEN—*Nelson Nels & Son.
- *Potter F. M.

ANACORTES — *Bell Machine Works (Jobbing)
- Knapp & Ronneberger (Machinist)

ASOTIN—*Brown L. K. (Machine Shop)
BELLEVUE—*†Sherman Eugene M.
BELLINGHAM — *†§Burpee & Letson (Ltd.), (Shingle Mill Machinery, Canning Machinery, etc)
- †Union Iron Works (Iron Castings)
- *Walling S. E. (Shingle Machinery, etc.)
- †§*Whatcom Machinery Depot

BLAINE—*Seely Bros. (Canning Machinery)
CASTLEROCK—*Dickson J. W.
CENTRALIA—Enterprise Foundry
- *†§Symons J. P. Co.

CHEHALIS—*Gustaveson P.
COLFAX—†§*Colfax Iron Works
CONNELL—*Flygare & Barnes
ELLENSBURG—*Mitchell G. L.
ELMA—*Zander J. C.
EVERETT—*Aalbu Bros. (Jobbing)
- *†§Bayside Iron Works
- *Everett Brass Foundry.
- *Everett Iron Works.
- *†Nordeen Scale & Foundry Co., 2929 Grand av.
- *S. & H. Iron Works, 2930 Grand av
- *†§Sumner Iron Works (Saw & Shingle Mill Machy., Boilers, etc.)
- †Washington Stove Works (Stove Mfrs.)

GOLDENDALE—*Goldendale Garage
HARRINGTON — †§*Dunning Euch Harvester Co.
HOQUIAM—*†§Gray's Harbor Iron & Steel Co. (Founders, Forgers & Machinists)
- *†§Lamb Machine Co.

KELSO—*Peters Machine Works
MT. VERNON—*Franklin Iron Works
- *Hamburg Bros.

NORTH YAKIMA—§Heer L. L.
- *†§Yakima Iron Works

OLYMPIA—†§*Capitol City Iron Wks.
- *Lindley Chas. D.
- *Parrott & Hahn

PORT ANGELES—*Machenheimer Bros.
PORT BLAKELY—Port Blakely Mill Co.
PORT TOWNSEND—*Jones Fred. D.
RAYMOND—Isaacson L. G. Co.
- *†§Raymond Foundry & Machine Co.

RENTON—*†Seattle Car & Foundry Co.
RITZVILLE—*Landreth W. H.
SEATTLE—*§Art Hardware & Mfg. Co. (Bldrs.' Hardware, Brass Castings, etc.)
- *Biegert J. C. Machine Works (Mill Mining & Marine Work)
- *Campbell Robert & Bros., 3421 13th av. S. W.
- *Climax Locomotive Co., 623 Western av
- *Cunningham Allen Co. Inc. (Marine Auxiliary Machinery), 7500 Carleton av.
- Dittefsen Machine Wks., 1119 Pine, Seattle, Wash.
- *Draper Engine Works Co., 413 Railroad av
- *§Eagle Brass Foundry
- *Ederer Engineering Co., 2945 1st av. S.
- *Enterprise Machine Works, 1551 Railroad av S
- §Finn John Metal Works (Babbitt & Blaring Metal, etc.)
- *Gauntlett J. M. & Co., 1235 Westlake av N
- *Gray & Barash Inc. (Electrical), 63 Horton
- *†§Gulowsen-Grei Engine Co., 27th W & Commodore Way
- H. R. L. Motor Co., 3301 1st av S
- *Heffernan Engine Works (Steam Engines, etc.)
- *Hofius Steel & Equipment Co., L. C. Smith bldg
- Isaacson Co. Iron Works, Ft. King
- †Lake Union Foundry Co. Inc., 1703 Westlake av N
- †Lang F. S. Mfg. Co. (Stoves, etc.)
- *LINK-BELT MEESE & GOTTFRIED CO., 820 1st av S
- †Marine Iron Works, 1000 Alki
- Markey Machinery Co., 85 Horton
- *Meese & Gottfried Co., 558 1st av S. (See San Francisco, Cal.)
- *†§N. & S. Foundry Co.
- *†§Ne Page McKenny Co., Armour bldg.
- *Northern Machine & Mfg. Co., 1432 Railroad av.
- †Olympic Foundry Co. (Grey Iron & Builders' Castings, etc.)
- *†§Pacific Car & Foundry Co., Alaska bldg.
- *Pacific Coast Engineering Co., L. C. Smith bldg
- *Pacific Net Co., 1213 Western av
- *Pacific Stove & Stamping Co., Idaho & Duwanish av
- *Paramount Tool & Mfg. Co., 908 Thoma
- *Philbrick Cutter Head Co. (Cutterheads)
- †Popple & Knowles Co. (Furnaces, etc.)
- *†Prescott Sumner K. Co., W Lander & E Marginal way
- *Puget Sound Machinery Depot (Jobbing, Repairs, etc.), 318 1st av S.
- Rainer Machine & Supply Co., 2462 1st av S
- Reid Bros., 1417 4th
- *Rowe Machine Works (Marine Repairs), ft 24th av, N. W.
- *†Salmon Bay Foundry, Inc., 5320 24th av, N. W.
- *†Seattle Astoria Iron Wks. (Canning Machy. & Iron Castings), 601H Myrtle.
- *Seattle Brass Co. (Brass Fdrs.)
- *§Seattle Car & Foundry Co. (Car Builders, etc.)
- *Seattle Machine Works (Contractors' Machinery), 511 W Lander
- *Seattle Stove Works
- §Sharps Brass Foundry
- *Smith Cannery Machine Co. (Canning Machines, Lathes, etc.)
- *South Seattle Foundry Co.
- *Spies L. G. Machine Wks., 1944 1st av. S.
- *Star Brass Works, 804 1st av S
- †§Star Foundry Co.
- *Star Machinery Co. (Gang Edgers, Hoists, etc.), 1731 1st av S
- Stetson-Ross Mach. Wks. (Woodwork Machy.), 3204 1st av S., Seattle, Wash.
- *†Success Mfg. Co.
- †Variety Iron Works (Machinery & Castings)
- *Washington Elevator Co. (Elevators. etc.)
- *Wright & Smith Mach. Wks., Inc., King St. Docks

SHELTON—*Horn Philip (Jobbing)
SNOHOMISH—*†§Snohomish Iron Works
SOUTH BELLINGHAM—†§*Burpee & Letson
SOUTH BEND—†Gilchrist John G.
SPOKANE—*†§Armstrong Machinery Co., (Ice & Refrigerating Machy.), E 3201 Riverside av
- *See adv index at end of book*
- Barnard Mfg. Co. (Flour Mill Machinery), Dept. H, N 1324 Ash
- *Barnard Mill Furnishing Co., N 1324 Ash
- *Central Machine Works, 934 N Howard.
- Crescent Machine Wks., N 815 Monroe Spokane, Wash.
- *†§General Machinery Co., S 13 Post Hallidie Co.
- *§New York Brass & Iron Works, Old Nat'l Bk. bldg
- *Pacific Iron Works (Machinists)
- *Simmons & Sons, 87 Madison
- *†§Spokane Foundry Wks., E 1316 2nd
- *Spokane Tool & Die Works, W 12 Sprague av.
- *†Success Mfg. Co., 1027 E Marietta av
- *Thompson E. R. Machinery Co.
- Thompson E. R. Mach. Wks., N 336 Post
- Union Iron Works (Mining Machy., Engines, Castings, etc.), Dept. H
- *†§Washington Machinery & Supply Co., Division & O. W. R. & N. tracks
- *See adv index at end of book*
- †§*Washington Water Power Co., 825 Trent

SUNNYSIDE—*Miller & Morrow
TACOMA—†§Atlas Foundry & Machine Co.
- *Auto-Marine Machine Wks. (Jobbing)
- *†Carman Mfg. Co.
- *Coast Iron & Machine Works (General Machine Work)
- *†Continental Pipe Mfg. Co. (Cast Iron Pipe, Hydrants, Valves, etc)
- *§Doud-MacFarlane Machy. Co., 1501 Dock.
- Enterprise Foundry Co., 1111 St. Paul
- *†§Griffin Wheel Co. (Car Wheels. (See Chicago, Ill.)
- *Hallin Gas Engine & Boat Co. (Gas Engines)
- *Hicks-Bull Machine Co., Inc., 1107 Dock
- *Pacific Machine Shop, 1155 Dock
- *†§Puget Sound Iron & Steel Works (Gasoline Engines, Log Hauls, etc.)
- *Star Iron & Steel Co., 435 E 11th
- §T. & B. Brass Foundry Co. (Light Assembling of Parts).
- §Tacoma Ry. & Power Co.
- *†§Tacoma Smelting Co. (Smelters etc.)
- *Todd Dry Dock & Const. Co., Hylebos Waterway.
- *Washington Machinery Depot, 1924 Pacific av
- Young Ice Machine Mfg., E 11th, Minneapolis

VANCOUVER—§Rand Iron Works
WALLA-WALLA—Harris Mfg. Co.
- *†§Walla Walla Iron Works.
- *Self Oiling Wheel & Bearing Co.
- *Washington Weeder Works (Disc Cultivators).

WEST VIRGINIA.

BLUEFIELD—*†§Superior Supply Co.
CAMERON—*Cameron Tool Co.
CHARLESTON — *†§Kanawha Mfg. Co. (Coke Oven Castings, Mine Cars, Wheels & Axles, etc.)
- *Kelly Axe Mfg. Co. (Axes, etc.)
- South Side Fdry. & Machine Wks. (Iron Costings & Mine Fans, etc.)
- †Ward Chas. Engineering Works (Marine Boilers, etc.)

CHARLESTOWN—*†Weller Bro.
CLARKSBURG—*§Hart Bros. Machine Co. (Engines & Saw Mills)
- *Osborn W. B. Machinery Co.
- *†Osborn's J. F. Sons (Iron Fdrs. & Engines & Saw Mills)

ELKINS—*†§Elkins Foundry & Machine Co.
- *†§Humphrey Mfg. Co.

FAIRMONT—*Aultman T. G. Steam Pump Works (Steam Pumps, etc.)
- *†§Fairmont Mining Machinery Co. (Mining Machy. & Soft Castings)
- †§*Fairmont Mold & Foundry Co.
- *†§Helmick Foundry & Machine Co. (Coal & Coke Oven Equipments,

GRAFTON—†§*Hefner & Maysilles
- *Moran Patrick
- *†§Newlon Foundry & Machine Co.

HINTON—†§*Hinton Foundry, Machine & Plumbing Co.
HUNTINGTON—*†American Car & Fdry. Co. (See St. Louis, Mo.)
- †§Huntington Stove & Foundry Co. (Stoves)
- †West Va. Foundry & Stove Co. (Stoves etc.)

KEYSTONE — †§*Pocahontas Foundry & Machine Co.
LOGAN—*Guyan Machine Shops (Armature coils, oxy-acetylene, welding, etc.)
MABSCOT—*†§Carper Foundry & Machine Co.
MANNINGTON—*Phillips Chas. Tool Co.
MARTINSBURG—*†Matthews T. E. & Bro.
MORGANTOWN — *†Chrisman Foundry
- *†§Romisch Mfg. Co.

PARKERSBURG—*Acme Fishing Tool Co. (Oil Well Supplies)
- *Baldwin Tool Works
- *Crotty J. J. & Co.
- *Kelly Michael (Est. of) (Iron Fdry.)
- *Kesselman & Co. (Machinists & Oil Well Tools, etc.)
- *Parkersburg Iron & Steel Co. (Machine Shop for Own Use)
- *†§Parkersburg Machine Co.
- *Spence H. M.

PIEDMONT—*†§Piedmont Fdry. & Mach. Co. (Iron Fdrs. & Machinists)
POINT PLEASANT — †West Virginia Malleable Iron Co. (Malleable Iron Castings)
RANSON—*Powhattan Brass & Iron Works
RONCEVERTE—*†§Eagle J. W. P.
SISTERVILLE—*McJunkin Machine Co.
WELLSBURG—*Teeple W. S.
WESTON—*†§Danser Mfg. & Supply Co.
WHEELING—*†Centre Foundry & Machine Co. (Iron Fdrs., etc.)
- *†Mahike R. H.
- †Moss J. E. Iron Works
- *†National Tube Co. (Riverside Iron Works)
- *Riverside Bridge Co.
- *Sands H. S. Electrical & Mfg. Co.
- §*Saturn Foundry & Machine Co.
- §Waterhouse H.
- §Wheeling Bronze Casting Co.
- *Wheeling Machine Products Co., Main & 20th
- *†Wheeling Mold & Fdry. Co. Rolling Mill Mach., (Special Machy. & Castings)
- *†Wheeling Sanitary Mfg. Co. (Enameled Iron Ware, etc.)

WISCONSIN.

ADELL—†Helminger Bros.
ALGOMA—*§Plumbers' Woodwork Co.
- *†§Wodsedalak Jos. (Gasoline Engines)

ANTIGO—*†§Mayer Bros. (Hoists, Gasoline Engines, etc.)

APPLETON — *†§Appleton Machine Co. (Paper & Pulp Mill Machinery)
*Badger Furnace Co.
*†Eagle Mfg. Co. (Portable Gas Engines, etc.)
§Fox River Screen Plate Co.
Langstadt-Meyer Co. (lighting plants).
*†§Valley Iron Works Co. (Iron & Bronze Castings & Wood Pulp Machinery)
ASHLAND—*†§Bretting C. G. Mfg. Co.
†§Sanders Robert E. (Boilers etc.)
BARABOO—*Golimar E. T.
BEAVER DAM—*Harder H. J. (Gas Engines)
†§*Klipper Mfg. Co.
*†§Malleable Iron Range Co. (Malleable Iron Ranges)
*Tiger Drill Mfg. Co.
Western Malleable Co.
BELOIT—Badger Tool Co.
*§Beloit Brass Works.
†§Beloit Foundry Co. (Grey Iron Castings)
*†§Beloit Iron Works (Paper Mill Machinery)
*Dowd R. J. Knife Works (Machine Knives, etc.)
*†§Fairbanks, Morse & Co. (Gas Engines, etc.)
*†Gaston's N. B. Sons Co. (Scales, etc.)
§Hammill A.
*Hendley & Whitemore Co. (Punching & Shearing Machinery)
*§Lipman Refrigerator Car & Mfg. Co. (Centrifugal & Rotary Pumps)
†Mork P. F. (Grey Iron Castings)
*†§Thompson Plow & Engine Works (Agrl. Implts., Engines, etc.)
*Wisconsin Farm Implement Co. (Feed Mills)
*†Yates P. B. Machine Co. (Wood Working, Machinery, etc.)
BERLIN—*†§Johnson-Fortnum Machine Works
*†Schaefer Mfg. Co. (Gas & Gasoline Engines, etc.)
BLACK EARTH—*Fesenfeld & Barber
BLOOMER—*Bloomer Machine Works
BOSCOBEL—*†Ruka Bros. Mfg. Co. (Ltd.)
BRANDON—*Sherwin E. C. & Son (Road Scrapers, etc.)
BRILLION—*†Brillion Iron Works
BROOKLYN—*Farmers' Mutual Benefit & Trading Co.
BURLINGTON—*§Burlington Brass Wks. (General Brass Fdrs. & Finishers)
*Lawton & Bushman (Tools, etc.)
CEDAR GROVE—*†§Wisconsin Foundry & Steel Works (Steel Ranges, Brass & Grey Iron Castings, Gasoline Engines, Steel Ranges, etc)
CHIPPEWA FALLS—*Brown Henry
*†Chippewa Fdry. & Machine Co.
COLBY—*Loos E. D.
COLUMBUS—*Roberts G. D. & Co.
CUDAHY—*†Worthington Pump & Machinery Corp. (Power & Mining Machinery Works)
DE PERE—*Lauson-Lawton Co. (Gas & Gasoline Engines, etc.)
*†Lawton Chas. A. Co.
†Western Steel & Iron Works
DORCHESTER—*Fleckenstein V.
EAU CLAIRE—*†Eau Claire Mfg. Co.
*†International Harvester Co. (See Chicago, Ill.)
*†McDonough Mfg. Co. (Saw Mill Machinery, etc.)
*†§Northwestern Steel & Iron Works (Concrete Bldg. Block, Machinery, etc.)
*†§Phoenix Mfg. Co. (Saw Mill Machinery, Steam Engines, etc.)
*White A. E. Machine Works (Special Machinery)
EDGERTON—Burgy F. F. (Gasoline Engines, etc.)
*Carrier F. P. (Gasoline Engines)
ELKHORN—*Zwiebel & Griebel (Machinists)
ELLSWORTH—*†Rounce J. S.
EVANSVILLE—*†§Baker Mfg. Co. (Wind Mills & Engines)
FOND DU LAC—*Abel T. W.
*†Giddings & Lewis Mfg. Co. (Iron Fdrs. & Saw Mill Machinery)
*Glasow Fred (Plows)
*Quentin Peter N. (Gas Engines)
FORT ATKINSON—*†§Creamery Package Mfg. Co. (See Chicago, Ill.)
*Pounder Geo. H. (Harrows, etc.)
FOUNTAIN CITY—*Dressendorfer Andrew
FREDONIA—†*Gilson Bros. Co.
GLENWOOD CITY—*Krueger E. F.
GRAFTON—†§Grafton Foundry Co. (Castings, Stools & Settees)
†Jungers Stove & Range Co.
GRAND RAPIDS — *American Carbonic Machinery Co. (Refrigerating Machines)
*†§Grand Rapids Fdry. Co.
GREEN BAY — *Green Bay Barker Co. (Wood Barking Machinery)
*†§Green Bay Foundry & Machine Co.
*Hartman-Greiling Co.
†§Helgerson Bros. Iron Works
*Hess W. J.
*Hudson-Sharp Machine Co.
§Nelson Machy. Co.
†§Rothe Jos. F. Foundry Co. (Castings)
*Straubel Mach. Co.(Gasoline Engines)
HARTFORD—*Kissel Motor Car Co.
HORICON—*†Van Brandt Mfg. Co. (Agri'l Implements, etc.)
HURLEY—†§*Twin City Iron Works
JANESVILLE—*Ambrose F. O. (Jobbing)
*Bicknell Mfg. & Supply Co. (Power Machinery, etc.)
*†§Janesville Machine Co. (Agrl. Implements, etc.)
*Larsen Holger E. (Jobbing)
*†§New Doty Mfg. Co. (Punching & Shearing Machinery)
*Rock River Machine Co. (Punching & Shearing Machinery)
*Spicer Wm. E. & Co. (Jobbing)
*Strickler Hay Tool Co. (Hay Tools, Hdw., etc.)
JUNEAU—*Brenstike John & Son
*†§Brieman Chas. G.
KAUKAUNA—*Hoehne Machine Works
*†§Kaukauna Machine Wks. (Paper & Pulp Mill Machinery)
†§*Kaukauna Machine Works
*†Moloch Co.
KENOSHA—§*American Brass Co.
†§Arneson Foundry Co. (Grey Iron Castings, etc.)
*Arnold & Murdock
*§Frost Mfg. Co. (Plumbers' Brass Goods, etc.)
Hall, C. M., Lamp Co.
*Lippert & Rhenstrom (Presses, Dies, Machy., etc.)
*†§Nash Motors Co. The (Automobiles for own use)
*†§Simmons Co. (Metallic Bedsteads, etc., for own use)
§*Specialty Brass Co.
*Wells Frank L. Co. (Spring Bed Machinery, etc.)
KEWASKUM—*†Remmel Nicholas (Machinist)
KEWAUNEE—*†Hamachek Frank (Agrl. Implements, Canning Machinery, etc.)
KIEL—*Kiel Machine Co.
KILBOURN—†*Marshall Mfg. Co.
KOHLER—†Kohler Co. (Cast Iron Enamel Sanitary Ware), Dept. H
LA CROSSE—*Benton Electric Co. (Dynamos, Engines, etc.)
*Franklin Iron Works
*†§James Alfred
*†§La Crosse Plow Co. (Plows, etc)
La Cross Tractor Co. (Gasoline Engines)
§Lunde & Childs
*McKenzie Mfg. Co. (Potato Machy., etc.)
§*National Gauge & Equipment Co.
*Ott Benj. & Sons Co. (Bark Shaving Mills)
*Pederson C. & Son
*†Smith Mfg. Co. (Wagons, Grey Iron Castings, Stump Pullers, etc.)
*Stamping & Tool Co. (Steel Novelties, Dies, etc.)
*Starch Bros. Co. (Cream Separators, etc.)
*†Torrance Jno. & Son (Machinists & Builders & Machinery Castings, etc.)
LAKE GENEVA—*§Gill W. E.
LAKE MILLS—*†§Creamery Package Mfg. Co.
LANCASTER—*Hyde E. H. (Machinist)
MADISON—*§Fuller-Johnson Mfg. Co.
*†§Gisholt Machine Co. (Machine Tools, Vertical & Horizontal Boring Mills, Turret Lathes, Tool Grinders, Brass & Iron Fdrs.)
*†Kupfer Theodore (Power Shears, etc.)
§Madison Brass Works
*Madison-Kipp Corp. (Lubricators), Dept. H
*†§Madison Plow Co. (Agrl. Implts.)
*National Concrete Machinery Co., Bank of Wis. bldg
*Pepper John W.
†Southern Wisconsin Foundry Co.
*Steinle Turret Machine Co. (Turret Lathes, Heavy Duty)
*†§Wisconsin Foundry & Machine Co. (Printing Presses, etc.)
MANITOWOC—§Aluminum Castings Co. (Aluminum Castings). (Office: Cleveland, O.)
*§Aluminum Goods Mfg. Co. (Aluminum Castings & Specialties)
*Aluminum Specialty Co. (Machine Shop, Aluminum Novelties)
*Dedrick N. (Special Machy., etc.)
*Gaterman Mfg. Co. (Agricultural Implements, etc.)
†§Gumm Aluminum Casting Co.
*†Manitowoc Foundry & Machine Co. (Grey Iron Castings, etc.)
*Manitowoc Shipbuilding Co. (Steel Ships, Engines, etc.)
*†§Richards Iron Works (Engines, Grey Iron Castings, etc.)
*†§Smalley Mfg. Co. (Agrl. Implts., Plows)
†§Western Iron Works
†Wisconsin Aluminum Foundry Co.
MARINETTE—*†§Marinette Iron Works
*Sandlund Peter
MARSHFIELD—*§Lang & Scharmann
MARYTOWN—*Langenfeld Jno.
MAUSTON—*Strong H. C.
MENASHA—*†§Sailor Whitmore Machine Co.
MENOMINEE—*†§*Aetna Engine Works
MENOMINEE FALLS—*Menominee Falls Mfg. Co.
MERRILL—*†§Merrill Iron Works
MILWAUKEE—*†§Allis Louis Co. (Dynamos & Motor Generators), 133 Stewart
*American Metal Products Co.
*Artos Engineering Co. (Tex. Machy.), 348 Milwaukee
*Atlas Metal Parts Co., 998 15th
*Badger Meter Mfg. Co. (Water Meters), 841 30th
*†Bay View Steel Casting Co. (Steel Castings, etc.), 132 S Bay
*Bayley Mfg. Co. (Blowers, Dryers, Fans, etc.), 732 Greenbush
See adv index at end of book
*Beaver Mfg. Co. (Gasoline Engines), 1st & Oklahoma av
*Busch J. C. Co. (Compressors, Sprue Cutters, Cranes & Hoists), 140 Ferry
*†Chain Belt Co (Grey & Malleable Iron & Steel Castings, Conveyors, Chain Link, etc.)
See adv index at end of book
§Claus Automatic Gas Cock Co.
†Cream City Foundry Co., 15th & Oklahoma av
†Crucible Steel-Casting Co. (Crucible Steel Castings), 612 Clinton
*Davis & Thompson Co. (Milling Machines), 251 Reed
*§Davis Mfg. Co. (Gasoline Engines, etc.)
*Doelger & Kirsten (Power Shears, etc.), 507 Cedar
*Downey Heating & Supply Co. (Jobbing & Repairs, etc.), 615 Clybourn
*Durant Mfg. Co. ("Productimeter" Speed Indicators, Counting Machines)
*§FALK CORP. (Steel Castings), ft. 30th *See adv index at end of book*
†Federal Malleable Co. (Malleable Iron Fdrs., Chain Belts, etc.)
*†§Filer & Stowell Co. (Steam Engines, Pumps, Saw Mill Machinery, etc.)
Fisher Specialty Co., 326 Ogden av
*†Fraser Co. (Engines & Milling Machines), 667 E Water
*†Fuller-Warren Co. (Stoves, etc.), 32nd & Wright
§Galland-Henning Mfg. Co. (Malting Drums, Baling Presses, etc.), 26th av & Montana
See adv index at end of book
*Gas Power Engineering Co., 213 North av
†§Gemco Mfg. Co. (Auto Specialties)
*Gerlinger Steel Casting Co.
Greenslade John, 673 Jefferson
*Hackendahl & Schmidt Co. (Bldg., Iron Works, etc), 16th & Canal
*Harley-Davidson Motor Co. (Motorcycles), 3732 Chestnut
*†Harnishfeger Corp. (Electric) Cranes & Hoists, etc),
See adv index at end of book
Heil Co. (Tanks, etc.), 1270-1300 26th av.
*Heller S. (Electric Elevators & Hoisting Machinery), 250 Milwaukee
*Hide & Leather Working Mach Co., 4215 Meinecke av
*†Hirsch Bros. (Agrl. Implts.), 267 Reed
*†§Hoffmann B. Mfg. Co. (Iron & Brass Fdrs. & Steam Fitters & Plumbers' Supplies)
†§Hoffman & Billings Mfg. Co. (Plumbers' Supplies), 100 2nd
*Holt Electric Co. (Dynamos & Motors), 379 S Pierce
*Hoyer Engineering Co. (Gas & Gasoline Engines), 281 Grove
Industrial Controller Co. (Electrical Specialties), 890 Greenbush
†§*International Harvester Corporation
*†§Jaeschke Bros. Foundry Co., 3026 Locust
§Kagel Bros., 1208 St. Paul av
*Kieckhefer A. Elevator Co. (Electric Hand & Power Elevators)
*Koehring Machine Co. (Concrete Mixed)
*§Kruecke Bros. Mfg. Co. (Brass Fdrs.), 515 Park
*§Lamp & Miller Mfg. Co. (Brass Fdrs. & Finishers), 382 4th
Le Roi Co. (Gas Engines, etc.)
*†§Lindemann A. J. & Hoverson Co.
*§Loeffelholz Co. (Railroad Car, Cabinet & Office Trimmings, etc.)
*Logemann Bros. Co. (Hydraulic Presses, etc.), 3130 Burleigh
*Lutlink & Sons Mfg. Co. (Door Hangers, etc.), 775 18th
*Luther Grinder Mfg. Co. (Tool Grinders, Post Drills & Vises, etc.), 285 S Water
*Lutter & Gies (Machine Tools), 253 Lake
Magnus Co., Inc., 241 Greenfield
†Manufacturers Foundry Co., 15th & Oklahoma av
*Marsh Refrigerator Service Co., Port Washington rd
†Martin A. E. Foundry & Mach. Co. (Grey Iron Castings), 705 Park
*Meyer Geo. J. Mfg. Co., 598 Clinton
§Milwaukee Aluminum & Brass Foundry Co. (Aluminum & Brass Castings), 295 Reed
*§Milwaukee Brass Mfg. Co. (Plumbers' Brass Goods), 251 Lapham
*Milwaukee Bridge Co. (Steel Structural Work, etc.), 1400 34th
§Milwaukee Bronze Casting Co.
*Milwaukee Die Casting Co.
*Milwaukee Dry Dock Co., ft. Washington

(Continued on following page)

Machinists & Founders—Continued

WISCONSIN—MILWAUKEE—Continued

•§Milwaukee Electric Railway & Light Co., Public Service bldg
§Milwaukee Flush Valve Co. (Flush Valves & Brass Gds.), 111 Reservoir
•Milwaukee Hay Tool Co.
•†Milwaukee Malleable & Grey Iron Wks., Layton Park
•Milwaukee Metal Working Co., 333 Clinton
Milwaukee Shaper Co. (Friction Clutches), 1029 Cold Spring
•†Milwaukee Steel Foundry Co. 101 S Water
•§Milwaukee Valve Co. (Valves & Steam Specialties, etc.), 139 Burrell
•Miotke Jos., 144 Clinton
•Modern Pattern Co., 150 Clinton
•†Mueller L. J. Furnace Co. (Furnaces & Heating Apparatus, etc.), 197 Reed
•Munkwitz Edw. H. Co. (Tanners' Machy.), 159 Muskego av
§Murphy Specialty Co., 90 2d
•Nash J. M. (Chair, Wood Polishing & Woodworking Machinery), 842 30th
•National Brake & Electric Co. (Air Brakes, Compressors, etc.), ft. Belleview pl
•National Foundry Co.
•National Machine Co.
•National Steel Foundries (Steel Castings), Belleview pl & River
•Noll Bros. (Agricultural Hardware, etc.), 849 Allis
•†Nordberg Mfg. Co. (Engines, Pumping Machinery, etc), Chicago & Oklahoma
†North End Foundry Co., 60th av & Ry. Tracks
†§Northwestern Malleable Iron Co., 756 Park
•Northwestern Mfg. Co. (Dynamos & Motors), 482 Clinton
•Phenix Mfg. Co. (Hardware Specialties)
§Polachek & Bros.
•Prinz & Rau Mfg. Co. (Brewers & Malsters & Flour Mill Machy., etc.), 659 E Water
§Progressive Metal & Refining Co. (Babbitt Metal & Castings), 432 Barclay
•Richards Machine Co. (Machine Tools), 3417 Vliet
•†Richardson-Phenix Co. (Lubricators, Oil Pumps, etc), 131 3nd
Rosenberg F. Elevator Co. (Elevators, etc), 174 Reed
†•Rosenthal Coin Husker Co.
•†§Rundle Mfg. Co. (Enameled Iron Ware & Brass Goods), 27th & Wohl
§Rundle-Spence Mfg. Co. (Plumbers' Brass Goods, etc), 63 2nd
•Schwab Ph. Co., 16th & Canal
•†Schwab R. J. & Sons Co. (Iron Fdrs. & Machinists & Hot Air Furnaces) 283 Clinton
†Sheriffs Mfg. Co.
†Sivyer Steel Casting Co.
•Skobis Co. (Builders' Iron Work), 951 30th
†Smith Geo. H. Steel Casting Co. (Steel & Manganese Steel Castings & Machine Works)
•†Smith T. L. Co., 1151 32d
†South Side Malleable Casting Co. (Malleable Iron Founders), 14th av & Ry. Tracks
•†Speich Stove Repair Co., 130 W Water
•§Standard Brass & Iron Works (Brass Founders & Finishers), 1320 St. Paul av
†Standard Crucible Steel Casting Co., 719 30th
•Standard Separator Co. (Cream Separators), 45th & Burnham
•Stehling Chas. H. Co. (Tanners' Machinery)
•Stroh Die Moulded Casting Co.
•†Toepfer W. & Sons Co. (Brewers' Machinery), 80 Menomonee
•Universal Machinery Co. (Machy.), 784 30th
•†§VILTER MFG. CO. (Corliss Engines, Ice & Refrigerating Machines, Machinery, etc), 1046 Clinton
See adv index at end of book
•Wagner A. F., Architectural Iron Works, 763 N Water
†Wehr Steel Co., 45th & Gordon
•West Allis Iron Works
§Windsor Mfg. Co., 570 Clinton
•Wisconsin Machinery & Mfg. Co., 51st & Burnham.
†Wiconsin Malleable Iron Co. (Malleable Iron Castings), South Bay
MONROE—•†Lanz A & Sons (Machinists)
NEENAH—†Aylward Sons Co. (Grey Iron Castings, etc.)
†Bergstrom Stove Co. (Stoves)
•Johnson & Wells Machine Co.
•§Neenah Brass Works
NESHKORO—†Dombrowski F.
NEW HOLSTEIN—•Lauson John Mfg. Co. (Gas & Gasoline Engines, etc.)
NEW LONDON—•Thomas & Brown
NORTH KAUKAUNA — §•Hoehner F. F. Foundry
NORTH MILWAUKEE — •Wisconsin Bridge & Iron Co.
OSHKOSH—†§Barnes J. A. Machine Co.
•†Challoner Co. (Saw Mill Machy.)
•Dauber-Bell Machine Co.
•Dauber-Kratsch Co.
•†§Davis-Hansen Co. (Pumps, etc.)
•†Doman H. C. Co.
•†Hayes E. B. Machinery Corp. (Woodworking Machinery)
•Pine-Ihrig Machine Co. (Bed Spring Machinery, etc.)
•Ransom Mfg. Co. (Tool Grinders, etc.)
••Royal Machine & Foundry Co., 394 Division.
•†§Termaat & Monahan Mfg. Co. (Gasoline Engines, etc)
†Universal Foundry Co.
Universal Motor Co.
•†Wilkin-Challoner Co. (Saw Mill Machinery)
PLATTEVILLE—•Dana Co.
•§Galena Iron Works Corp. (See Galena, Ill.
PLYMOUTH—•†Plymouth Foundry & Machine Co.
•Wolf Henry F
PORTAGE—•†§Baird & Slinger
PORT WASHINGTON—•†§Gilson Mfg. Co.
†Martin Foundry Co. (Gasoline Engines, etc.)
•†§Turner Mfg. Co. (Gas & Gasoline Engines, Grey Iron Castings, etc.)
PRAIRIE DU CHIEN—•Beuthin Chas. F. W.
PRINCETON—•Mueller Erich
RACINE—•Adams E. B. & Son (Hardware, Carriage Springs, etc.)
•†American Seating Co.
•†American Skein & Foundry Co. (Jack Screws, etc.)
•Arnold Electric Co. (Vibrators, etc)
†Badger Foundry Co.
†Belle City Malleable Iron Co.
•†Belle City Mfg Co. (Agrl. Implts., Iron Castings, etc.)
•†§Case J. I. Plow Works (Plows & Agrl. Implts. for Company's use only)
†§•Case Threshing Machine Co.
§Christensen Machine Co.
•Didier Wm. Mfg. Co. (Jobbing Machinists)
•†Foster & Williams Mfg. Co. (Agrl. Implts, etc.)
•†Freeman Mfg. Co. (Agrl. Implts, Windmills, etc)
•Greene F. J. Engineering Works (Special Machinery, etc)
•Harvey Spring & Forging Co. (Bolster Springs, etc.)
•Higgins Spring & Axle Co. (Springs & Axles, etc.)
†Lakeside Malleable Castings Co.
•Lang R. B. Mfg. Co.
•Mitchell Motors Co. Inc. (Automobiles)
§Racine Aluminum & Brass Foundry Co.
†§Racine Brass & Iron Co.
•Racine Confectioners' Machinery Co.
•Racine Electric Co.
•†Racine Malleable & Wrought Iron Co. (Hdw. Specialties, Copying Presses, etc.)
•Racine Metal Stamping Co. (Spring Hinges, etc.)
†Racine Steel Castings Co. (Steel Castings, etc.)
•Racine Tool & Machine Co. (Metal Cutting Machines)
•Sieverkropp Engine Co. (Gaso. Engines)
Simms Foundry Co.
†Standard Foundry Co. (Castings)
•Tecktonius E. C. Mfg. Co. (Hoop. Lugs, Bolster Springs, etc.)
•Wabers Mfg. Co. (Corn & Potato Planter, etc.)
•Wallis Tractor Co. (Gasoline Tractors)
•Webster Electric Co. (Magnetos, etc.)
•Wisconsin Cylinder Fdry. Co. (Cast Iron Cylinders, etc.)
•Wisconsin Electric Co. (Vacuum Cleaner Motors), 1600 Junction av
•Wisconsin Metal Products Co. (Dies, Tools, etc.)
RANDOLPH—•Nutting C. A.
•Smith Geo. B.
RHINELANDER—•†Rhinelander Iron Co.
RICE LAKE—•Rice Lake Iron Works
SCHLEISINGERVILLE—†La Point Fdry. Co.
•†Rosche John
SEYMOUR—Lotter Bros Mfg. Co.
SHAWANO—•Schweers Hardware Co.
SHEBOYGAN—†•Armbruster Otto
•Garton Toy Co. (Iron Toys, etc)
•†Globe Co. (Feed Cutters, Feed Mills, Saw Machines, etc.)
•†§Jenkins Machine Co. (Chair & Woodworking Machinery, etc.)
†Kerskamp Bros.
†Kohler Co. (Cast Iron Enamel, Sanitary Ware)
•Myers Machine Co. (Woodworking Machinery)
•Optenberg Iron Works (Radial Drills, etc.)
•Porcelain Enameling Assn. of America (Cast Iron Enameled Hollow Ware)
•†Vollrath Co. (Enameled Cast Iron Hollow Ware)
SILVERLAKE—†Graf Stove & Range Co.
SOUTH MILWAUKEE—•†§Badger Malleable & Mfg. Co. (Malleable Iron Founders)
•†Bucyrus Co. (Steam Shovels, Dredges, etc.)
•Midland Co.
•†§Stowell Co. The (Grey Iron, Malleable Steel & Brass Castings, Door Hangers & Hardware Specialties, etc)
SPARTA—•†Sparta Iron Works Co. (Well Drilling Machinery, etc.)
STEVENS POINT—†•Comee Metallic Packing Co.
†Cook R. A.
•Koshollek Paul F. & Son (Gasoline Engines)
•Sustins F. A.
STOUGHTON—†Mandt Wagon Co.
•†Stoughton Wagon Co. (Plows, etc)
STURGEON BAY—•Hunsader John Machine Co.
•†§Ives Wallace L.
SUPERIOR—•†§Duplex Mfg. Co. (Windmills, Engines, etc.)
•†§Evered Foundry & Machine Wks.
•Northwestern Boiler Works.
•†§Superior Iron Works Co. (Engines & Dredging Machinery, Iron & Brass Castings, Swinging Engines, etc.)
•Superior Ship Building Co. (Ships, Marine Engines, etc.)
†Thomas & Almquist
TOMAHAWK—•†§Tomahawk Steel & Iron Works (Boilers, Tanks, Grey Iron, Brass & Semi-Steel Castings, etc
TWO RIVERS—†Becker Mfg. Co.
•Kahlenberg Bros. Co. (Gasoline Marine Engines)
•Standard Aluminum Co.
VEEDUM—†§•Reick Karl
WASHBURN—•Steinert R & Co.
WATERTOWN—•Biefeld O. & Co.
§Brandt-Dent Co. (Gas Fixtures, etc.)
•Lasure Friction Clutch Co.
WAUKESHA—•†Blair & Son
•Ladewig & Stock Co.
•†Rowell I. B. Co (Agricultural Implements)
•Spring City Fdry. Co. (Grey Iron Castings)
§Waukesha Foundry Co.
†Waukesha Malleable Iron Co.
•Waukesha Motor Co. (Auto Motors)
Werra Aluminum Foundry Co.
WAUPACA—•Hansen A. M.
†Rosche & Suhs
WAUPUN—†§Althouse-Wheeler Co. (Windmills & Pumps, etc.)
WAUSAU—•Karas Sigmund (Jobbing)
•†§Murray D. J. Mfg. Co. (Saw Mill Machinery)
•Northern Machine Works (Jobbing)
•†Wausau Foundry & Machine Co.
•Wausau Iron Works
WEST ALLIS—•†§Allis-Chalmers Mfg. Co. (Corliss Engines, Mining Machinery, etc.)
See adv index at end of book
•†Federal Malleable Co. (Malleable Iron Founders, Chain Belts, etc.)
Gerlinger Electric Steel Casting Co.
•Kearney & Trecker Co. (Machine Tools)
•Kempsmith Mfg. Co. (Machine Tools)
•North End Foundry Co.
†Sterling Wheelbarrow Co.
Wehr Steel Co.
†West Allis Iron Works (Grey Iron & Semi-Steel Castings)
WEST BEND—•†§Gehl Bros. Mfg. Co. (Agrl. Implts., Grey Iron Castings, etc.)
•West Bend Aluminum Co.
WEYAUWEGA—•Haire James A.
WHITEWATER—•Dunham & Fiske, (Agrl. Implts., etc.)

9503-4—Machinists' Tools & Supplies (Dealers)

See also Mill & Factory Supplies

For Manufacturers of Machinists' Tools & Supplies, see the Specific Article Required

ALABAMA.

BIRMINGHAM—Moore-Handley Hardware Co.
MONTGOMERY—Barnett G. W., Hardware Co.

CALIFORNIA.

LOS ANGELES—California Equipment & Supply Co., 205 N Los Angeles
Christie Frey Co., 417 E 3rd
De Long-Almquist Co., 502 E 3rd
Fairbanks Morse & Co., 427 E 3rd
Harron, Richard & McCone (Machine Tools), 225 San Pedro
Herberts Machy. & Supply Co., E 3rd & San Pedro
Jones Frank E. Machinery Co., Inc. (Machine Tools), 1401 Santa Fe av
Shaw Palmer Bakewell Co. (Machine Tools), 409-11 E 3rd
Smith-Booth-Usher Co., 328 S Central av
Tool Equipment Co., Inc., 507 E 3rd
Wigmore Jno. & Sons Co., 401 E 4th
SAN FRANCISCO—Bulotti C. F. Machy. Co., 71 Main

Eccles & Smith Co., 71 1st
General Machinery Supply Co., 39 Stevenson
Giesener A. J. Co., 340 Howard
Harron Richard & McCone, 139 Townsend
Henes Louis G, 75 Fremont
Herberts Machy. & Supply Co., 140 1st
Marwedl, C. W., 76 1st
Pacific Tool & Supply Co. (Owned by Berger & Carter Co.), Fremont & Mission
Peninsula Iron & Steel Co., 770 Folsom
Smith-Booth-Usher Co., 50 Fremont
Taber-Bigelow Co., 268 Market
Tool Equipment Co., 15 Spear
Ward Fred & Sons, 170H 1st

COLORADO.

DENVER—Foss M. L.
Hendrie & Bolthoff Mfg. & Supply Co.

CONNECTICUT.

NEW HAVEN—Page, Steele & Flagg Co. (Supplies), 219-221 Water

DELAWARE.

WILMINGTON—Delaware Electric & Supply Co.
Hudson Supply Co., Front & Market
Wilson Hardware Co.

DISTRICT OF COLUMBIA.

WASHINGTON—Lambie Jas. B. Co., 1415 N. Y. av, N W

GEORGIA.

ATLANTA—Armstrong R. S. & Bros., 676H Marietta
Cotton States Belting & Supply Co.
Pasco Tool Co., 16 N Broad
Walraven Co., The, 36-38 W Alabama
AUGUSTA—Lombard Iron Works & Supply Co.
ROME—Battey Machinery Co.

ILLINOIS.

BLOOMINGTON—Holder Hardware Co.
Keiser-Van Leer Co.
Read G. H. & Bro.
CAIRO—Reed Hardware & Mfg. Co.
CHICAGO—Besly Chas. H. & Co., 120 N Clinton
Carpenter Geo. B. & Co., 434 N Wells
See adv index at end of book
Commercial Model Machine Shop, 122 S Clark
Crerar, Adams & Co., 259 E Erie
Essley E. L. Machinery Co., 555 Washington blvd
Harris Samuel & Co., 114 N Clinton
Henion & Hubbell, 219 N Jefferson
Hill, Clarke & Co., 625 W Washington
Hodge & Homer Co., 549 W Madison
Iron & Steel Products Corp., 221 E 25th
LINK-BELT COMPANY, 300 W 39th
See adv index at end of book
McMaster-Carr Supply Co., 174 N Market
Machinists' Supply Co., 17 N Jefferson
Manning Maxwell & Moore, 27 N Jerferson *See adv index at end of book*
Marshall & Huschart Machinery Co., 17 S Jefferson
MAZEL-REST & CO., 1846 Grand av
MOLITOR CHAS. MACHINERY CO., 118-124 S Clinton
Scully Steel & Iron Co., 2364 S Ashland av
Seehausen Wehrs & Co., 173 N Franklin
Sterling Products Co., Inc., 35 S Desplaines
Wallace Wm. & Sons, 513 Wells
DECATUR—Morehouse & Wells Co.
JOLIET—Barrett Hardware Co.
MOLINE—Dunn Thos. & Sons
SPRINGFIELD—Miller W. B. & Son
STREATOR—Williams Hardware Co., 113H Vermillion

INDIANA.

BEDFORD—Meyers, Willard F., Co.
ELKHART—Borneman & Sons
EVANSVILLE—Boetticher & Kellogg Co.
Bush E. M. Hardware Co.
Clifford Hardware Co.
Evansville Supply Co.
Orr Iron Co.
FORT WAYNE—Mossman, Yarnelle & Co.
National Mill Supply Co.
Pfeiffer Henry & Son Co.
GOSHEN—Hawks Hardware Co.
INDIANAPOLIS—Holliday W. J. & Co.
Van Camp Hdw. & Iron Co., 401 W Maryland
Vonnegut Hdwre. Co., 1512 N Meridian
MARION—Marion Machine Fdry. & Supply Co.
RICHMOND—Jones Hardware Co.

IOWA.

CEDAR RAPIDS—Fawcett C. E.
DAVENPORT—Sieg Co.
DES MOINES—Brown-Camp Hardware Co.
SIOUX CITY—McGraw Co.
WATERLOO—Cutler Hardware Co.

KANSAS.

TOPEKA—Thompson W. A. L. Hardware Co.

KENTUCKY.

LOUISVILLE—Morton E. D. & Co.
OWENSBORO—Guenther Hardware Co.
Owensboro Hdwe. & Iron Co.

LOUISIANA.

NEW ORLEANS—Van Hern Oliver H. Co. Inc., 513 Camp

MAINE.

PORTLAND—Edwards & Walker Co. (Tools, etc)

MARYLAND.

BALTIMORE—Aumen Machinery Co., 109E Lombard
Benson L. A., 8 E Lombard
Carey Machinery & Supply Co., 119 E Lombard
Coggins & Owens, 19 S Charles
Crook-Horner Supply Co. 7 Balderson
Cuyler & Mohler, 611 William
Lyon Conklin & Co., Inc., Race & McComas
Spedden Supply Co., Boston & Kenwood av
Stebbins Wallace & Sons, 100 S Charles
Wallace & Gale, 115 S Gay

MASSACHUSETTS.

BOSTON—Armstrong G. R. Mfrs. Supplies, Inc. (Small Tools), 130 High
Beal Joseph & Co., 465 Atlantic av.
Brown Wales Co. (Supplies), 439 C
Chandler & Farquhar Co., 256 Devonshire
Cutter & Wood Supply Co. (Jobbers), 274 Friend
Dodge, Haley Co., 218 High
Farquhar Co., 36 Federal
Fitz, Dana & Co., 110 North
Hill Clarke & Co., Inc., 156 Oliver
Manning, Maxwell & Moore, 10 High
Rawles Jas. D. Co., 113 Broad
Wilkinson A. J. & Co., 134 Washington

MICHIGAN.

BAY CITY—Jennison Hdw Co., (& Jobbers)
DETROIT—Boyer Campbell Co., 4 Boyer bldg.
Central Distributing Co., 944H Harper av
Strelinger Chas. A. Co., 149 E Larned
Wormer C. C. Co., Penobscot bldg.
JACKSON—Central Distributing Co.
Modern Machine Tool Co. (Also Iron Working Machinery & Cutting Off Machines)

MINNESOTA.

MINNEAPOLIS—Northern Machinery Co., 503 S 6th

MISSOURI.

KANSAS CITY—Bonnivell, Calvin Iron Co.
Brunner H. J. Hardware & Machine Supply Co., 1512 Grand
Bunting Hardware Co.
Elifeldt Hardware & Machinist Supply Co., 1219 McGee
English Tool & Supply Co.
Equipment Co., 1531 Walnut
Faeth Iron Co., 1125 N 8th
Great Western Mfg. Co., 1400 W 12th
Richards & Conover Hardware Co., 5th, N W cor Wyandotte
United States Rubber Co. (Mechanical Goods Division), 1520 Main
ST. JOSEPH—Howe W. B. Supply Co.
ST. LOUIS—Cahill Swift Mfg. Co., 1112 Market
Campbell Iron Co., 809-19H Cass av.
Colcord Wright Machinery & Supply Co., 1223 to 1229 N B'way
Geller-Ward & Hasner Hardware Co., 414 N 4th
Handlan-Buck Mfg. Co., 210-14 N 2d
Hoffman-Marquard Machine Co., 1523 N. B'way
Johnson Wm. C. & Sons Machinery Co., 1001 N 6th
Manning, Maxwell & Moore, R'way Exchange
See adv index at end of book
Nelson N. O. Mfg. Co., 16th & Chestnut
Rubelmann-Lucas Hardware Co., 1939 N B'way
Rumsey L. M. Co., 4372 Westminster
St. Louis Machinists Supply Co., 920 N B'way
SHAPLEIGH HARDWARE CO. (Diamond Edge), 4th & Washington av
Skinner Bros. Mfg. Co., 10th & Tyler
Sligo Iron Store Co., 6th & O'Fallon
Winchester-Simmons Co., 9th & Spruce

NEBRASKA.

OMAHA—McGraw Co. (Jobbers)
Morton Jas. & Son Co.
Paxton & Gallagher Co.

NEW JERSEY.

NEWARK — Atha Tool Co. (Mechanics), ft of Chapel
Ludlow & Squier, 97 Market
PASSAIC—New Jersey Engineering & Supply Co.
PATERSON—Mills H. W. & Co.
Myers Geo. A. & Co.
Quinn Bros.

NEW YORK.

BUFFALO—Beals, McCarthy & Rogers, 44 Terrace
Buffalo Wholesale Hardware Co., 317 Washington
Frasse Peter A. & Co., 50 Exchange
Manning, Maxwell & Moore, White bldg
See adv index at end of book
Root, Neal & Co., 173 Main
Ruckel J. H. & Son, 31 Main
Walbridge & Co., 392 Main
Weed & Co., 95 Swan
JAMESTOWN—Clark Hardware Co.
NEWBURGH—Smith W. L.

NEW YORK CITY

Borough of Brooklyn.

BROOKLYN—Purvis & Shelton, 241 Plymouth
Wilfert Jno. Co., 490 Bushwick av

Boroughs of Manhattan and Bronx.

NEW YORK—Backer Machine Tool Supply Co., 39 Cortland
Beggs James & Co., 30 Warren
See adv index at end of book
Behringer Edw. A., 98 Park pl.
Brewster Wm. & Co., 50 Church
Chatwin Alfred Supply Co., 426 Broome
Dixon Wm. (Dirs.), 119 Fulton
Donegan & Swift, 132 Nassau
Fox Bros. & Co., 126 Lafayette
Frasse Peter A. & Co. (Inc.), 417 Canal
Hammacher, Schlemmer & Co., 133 4th av
Hussey, McCann & Co., 37 Warren
Manning, Maxwell & Moore, Inc., 100 E 42nd *See adv index at end of book*
Montgomery & Co., 64 Reade
Prentiss Henry & Company, Inc., 149 Broadway
Rogers H. A. Co., 37 Walker
See adv index at end of book
Strong Machinery & Supply Co. (Dirs), 292-294 Church
See adv index at end of book
(End of New York City)
ROCHESTER—Haverstick & Co. (Jobbers), 45 Ford
*Wilson W. A. Machine Co. (Machine Tools), 800 St. Paul
SYRACUSE—Syracuse Supply Co.
Wood C. H. Company
UTICA—Dent M. F. Co., 7 Blandina

NORTH CAROLINA.

CHARLOTTE—Charlotte Supply Co.
Textile Mill Supply Co.

OHIO.

CINCINNATI—Boebinger Hardware & Supply Co., 315 E Pearl
Kinsey E. A. Co. (Drills, Lathes, Shapers, etc), 331 W 4th
Morris Machine Tool Co., Court & Harriet
Motch & Merryweather Machy. Co., First Nat'l Bank bldg
Pickering Hardware Co., 5th C. Main
Queen City Supply Co., Pearl & Elm
CLEVELAND—Bingham W. Co., 1278 W 9th
Cleveland Tool & Supply Co., 1427 W 6th
Fairmont Tool & Forging Co. ("Fairmount"), 10611 Quincy av
Luetkemeyer Co., 725 Superior av, N W
Manning, Maxwell & Moore, Huron-Sixth bldg.
See adv index at end of book
Motch & Merryweather Machinery Co., 711 Lakeside av, N W
Pattison W. M. Supply Co., 777 Rockwell av
Strong, Carlisle & Hammond Co., 336-344 Frankford av, N. W.
White Tool & Supply Co., 1313 W 6th
DAYTON—Patterson Tool & Supply Co.
Weinman C. J. Co., 310 E 2d
HAMILTON—Hamilton Supply Co. (Fine Tools)
PORTSMOUTH—Hibbs Hardware Co.
SAINT MARYS—Jasperson Supply Co.
SPRINGFIELD—Springfield Hardware Co.

OREGON.

PORTLAND—Avery & Co., 48 3rd
Euler Harry M., 46 Front
Smith & Woodbury Co., 70 1st

PENNSYLVANIA.

CHESTER—Galey Hardware Co.
ERIE—Erie Mfg. & Supply Co.
PHILADELPHIA—Bond Chas. Co., 617 Arch
Fraser E. L., 141 N 3d
Hankey A. & Co., Bourse
Maddock & Co., 40 N 6th
Manning, Maxwell & Moore, Fox bldg
See adv index at end of book
Murta, Appleton & Co., 12th & Sansom
O'Brien Machy Co., 119H N 3d
Powell, Clouds & Co., 602 Arch
Rainear C. J., & Co., 518 Arch
Sachs Wm. A., Germantown av & Girard
Sees & Faber Co., 2008 N Front
Standard Supply & Equipment Co., 17th & Lehigh
Toomey Frank, 127 N 3d

(Continued on following page)

Machinists' Tools & Supplies (Dealers)—Continued

PENNSYLVANIA—Continued

PITTSBURGH—**COLONIAL SUPPLY CO.**, 217 Water
See adv index at end of book
Frick & Lindsay Co. (Dealers), Sandusky & Robinson
See adv index at end of book
Logan-Gregg Hardware Co., 121 9th
Machinists Supply Co., 324 3d av
MANNING MAXWELL & MOORE, INC.,
See adv index at end of book
Republic Supply Co. (Jobbers), 123 Water
Somers, Fitlar & Todd Co., 325 Water
Turnar Chas. A. (Fine Tools, etc), 3d av & Chancery

READING—Bright & Co. (Tools, etc.)

SCRANTON—**BITTENBENDER CO.**, 126 Franklyn av
Scranton Supply & Machy. Co.

WILKES-BARRE—Eastern Penna. Supply Co.
Lewis & Bennett Hardware Co.

RHODE ISLAND.

PROVIDENCE—American Supply Co., 135 Washington
B. & H. Supply Co., 115 Mathewson

SOUTH CAROLINA.

CHARLESTON—Bailey-Lebby Co.

GREENVILLE—Carolina Supply Co.

TENNESSEE.

CHATTANOOGA—Chattanooga Roofing & Foundry Co. (Ornamental), Dept. H, Chattanooga, Tenn.
James Supply Co., 1104 Market
Mills & Lupton Supply Co., 1146 Market

KNOXVILLE—McClung C. M. & Co.
Tennessee Mill & Mine Supply Co., 316 State

MEMPHIS—Pidgeon-Thomas Iron Co.

NASHVILLE—Dale John P. Machy. Co., 127 3rd av S
Gray & Dudley Hardware Co.
Hermitage Hardware Co.
Keith Simmons & Co., 414 Union

VIRGINIA.

NORFOLK—Empire Mach. & Supply Corp.
Southern Supply Co.
Taylor-Parker Co.
Walke Henry Co.

RICHMOND—Frischkorn Hunter B., 801 E Cary
Frischkorn Hunter B., 801 E Cary
Lindsay J. L. (Inc.), 1321 E Main
McGraw Jas. (Inc.), 1442 E Main
Smith-Courtney Co.
Southern Railway Supply Co., 1323 E Main

WASHINGTON.

SEATTLE—Cragin & Co., 932 1st av S
Hallidie Machinery Co., 300 1st av S

WEST VIRGINIA.

CHARLESTON—Capitol City Supply Co.

WISCONSIN.

GREEN BAY—Bay Verte Machy. Supply Co., 317 W Walnut

MILWAUKEE—Western Iron Stores Co., 145 W Water

9505— Mackintoshes

Chicago Rubber Clothing Co., Racine, Wis.
Franklin Rubber Co., 134 Federal, Boston, Mass.
Goodrich B. F. Co. (Rubber), Akron, O.
Hamel Shoe Machinery Co., Dept. H, Bridgeport, Conn.
Hodgman Rubber Co., 3 W 40th, New York
National India Rubber Co., Bristol, R. I.
N. Y. Mackintosh Co. ("Bestyette"), Mamaroneck, N. Y.
Stoughton Rubber Co. ("Cravenette" Rain Coats), 130 Essex, Boston, Mass.

9505a— Magazines (Portable)

Atlas Powder Co., Wilmington, Del.
Giant Powder Co. Cons., San Francisco, Cal.

9505b— Magazines (Stationery)

Atlas Powder Co., Wilmington, Del.
Giant Powder Co. Cons., San Francisco, Cal.

9506—Magazines (Storage, Side-Walk & Portable)

Atlas Powder Co., Wilmington, Del.
DU PONT E. I. de NEMOURS & CO., INC., Explosives & Smokeless Powder Depts. (For Storing Explosives (see adv at Explosives), Wilmington, Del.
See adv index at end of book
Giant Powder Co. (Cons.), 1st National Bank bldg, San Francisco, Cal.
HERCULES POWDER CO. (For Explosives), Wilmington, Del.
LITTLEFORD BROS. (for Explosives), 444 E Pearl, Cincinnati, O.
See adv index at end of book

9507— Magnalium

9508— Magnesite

American Refractories Co. (Calcined, Dead Burned & Grain), Union Arcade bldg,
California Master Products Co., Alameda & Slawson av, Los Angeles, Cal.
Cooper & Cooper Inc., 23H Cliff, New York
General Magnesite & Magnesia Co. (Calcined and Carbonated), Dept. H, Venango, Balfour & Kingston, Phila., Pa.
Hammill & Gillespie (Crude, Imp.), 240 Front, New York
Harbison-Walker Refractories Co. (Crude, Calcined, Dead Burned), Farmers' Bank bldg, Pittsburgh, Pa.
Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Hill C. W. Chemical Co., 405 E 3rd, Los Angeles, Cal.
Hoff Magnesite Co., 333 Monadnock bldg, San Francisco, Cal.
Innis Speiden & Co., Inc. (Calcined Imported & Domestic), 46 Cliff, New York
Lavino E. J. & Co. (Grain), Bullitt bldg, Phila., Pa.
Maltby C. S. (All Kinds), Humboldt Bank bldg, San Francisco, Cal.
Mineral Supply Co., 122 S Michigan av, Chicago, Ill.
Moulding Thomas Brick Co. ("Moulstone") 133H W Washington, Chicago, Ill.
Northwest Magnesite Co., Chewelah, Wash.
Pacific Pulverizing Co., 4416 Clement, Oakland, Cal.
Rex Plaster Co., Los Angeles, Cal.
Salomon L. A. & Bro., 216 Pearl, New York
Sierra Magnesite Co., Balfour bldg., San Francisco, Cal.
Special Service Flooring Corp., 2009 Grand Central Terminal, New York
Whittaker, Clark & Daniels, Inc. (Imp.), 250 Front, New York

9508a—Magnesium (Calcined)

American Insulation Co., Nicetown, Phila., Pa. *See adv index at end of book*
Fergusson Alex C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
General Magnesite & Magnesia Co., Dept. H, Venango, Balfour & Kingston, Phila., Pa.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
National Magnesia Mfg. Co., 544 Market, San Francisco, Cal.
Smith Alfred Ltd., 15 E 26th, New York
Wagner Charles A. Co. Inc., 222H N Front, Phila., Pa.

9508b—Magnesium Carbonate

American Insulation Co., Roberts av & Stokely, Phila., Pa.
CAREY PHILIP MFG. CO., 330 Wayne av, Lockland, Cincinnati, O.
Dow Chemical Co., Midland, Mich.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
General Magnesite & Magnesia Co., Dept. H, Venango, Balfour & Kingston, Phila., Pa.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Keasbey & Mattison Co., Ambler, Pa.
McKesson & Robbins (Imp.), 91 Fulton, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
National Magnesia Mfg. Co., 544 Market, San Francisco, Cal.
Plant Rubber & Asbestos Works, 537H Brannan, San Francisco, Cal.
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Riverside Mfg. Co., 4528 S B'way, St. Louis, Mo.
Sergeant E. M. Co., 131 Cedar, New York
Special Service Flooring Corp., 2009 Grand Central Terminal, New York
Vitro Manfg. Co., H, Bessemer bldg, Pittsburgh, Pa.
Wagner Charles A. Co. Inc., 222H N Front, Phila., Pa.
Wiarda John C. & Co. (Precipitated), 83 Provost, Brooklyn, N. Y.
See adv index at end of book

9509— Magnesium Chloride

California Master Products, Alameda & Slawson, Los Angeles, Cal.
Dow Chemical Co., Midland, Mich.
Fergusson Alex C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Graselli Chemical Co., Cleveland, O.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Hill C. W. Chemical Co., 405 E 3rd, Los Angeles, Cal.
Hoff Magnesite Co., 333 Monadnock bldg., San Francisco, Cal.
Innis Speiden & Co. Inc., 46 Cliff, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Riddle Chemical Co. (Cryst.), 35 S Dearborn, Chicago.
See adv index at end of book
Special Service Flooring Corp., 2009 Grand Central Terminal, New York
Stockton Mineral Products Co., 402 W Lafayette, Stockton, Cal.
Utah Salduro Co., Salt Lake City, Utah
Whitney Chemical Co. (Crystals), 544 Market, San Francisco, Cal.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y.
See adv index at end of book

9509a—Magnesium Fluosilicate

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Special Service Flooring Corp., 2009 Grand Central Terminal, New York
Thomsen Chemical Co., Munsey bldg, Baltimore, Md.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y.
See adv index at end of book

9509a1—Magnesium Manganese-Silicon

ELECTRO METALLURGICAL SALES CORP., Carbide & Carbon bldg, New York

9509b— Magnesium (Metallic)

Aluminum Company of America (Dealer), 2301 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book
LEAVITT C. W. & CO., 34 Church, New York *See adv index at end of book*
Leeds & Northrup Co., 4901H Stenton av, Phila., Pa.
Norton Laboratories, Inc., Lockport, N. Y.

9509c— Magnesium Oxide

Cooper Chas. & Co., 194 Worth, New York
Foote Mineral Co., 107 N 19th, Phila, Pa.
Hachmeister-Lind Chemical Co., Pittsburgh, Pa.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Keasbey and Mattson Co., Ambler, Pa.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
National Magnesia Mfg. Co., 544 Market, San Francisco, Cal.
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Wagner Charles A. Co., Inc., 223H N Front, Phila., Pa.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

9509d—*Magnesium (Salicylate)

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Heyden Chemical Works, 135 William, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

9509e— Magnesium Sulphate

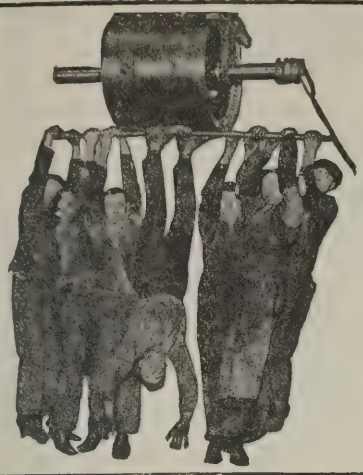
C. P. Chemical & Drug Co. Inc. (U. S. P.), 114-118 Liberty, New York
Dow Chemical Co., Midland, Mich.
Epso Products Co., Oroville, Wash.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
National Magnesia Mfg. Co., 544 Market, San Francisco, Cal.
Oro Natural Products Co., 360 Bryant, San Francisco, Cal.
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Vitro Manfg. Co. (Epsom Salts), H, Bessemer bldg, Pittsburgh, Pa.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y.
See adv index at end of book

9509f— Magnetizers

Magnetizer Mfg. Co. ("Colpin" Magneto Re-Charger), 6110 S Main, Los Angeles, Cal.
Valley Electric Co., 3157H S Kingshighway, St. Louis, Mo.

9510— Magneto Parts

Brown & Caine ("Bee Cee"), 2317 Calumet av, Chicago, Ill.
Climax Motor Devices (Magnet & Generator Couplings, 5209 Prospect av, Cleveland, O.
Guaranteed Magneto Parts Co., 210 W 54th, New York
Magneto Parts & Service Co. (Attachments), 600 Bergen av, New York
Modern Die & Drop Forge Co., H 139th, Blue Island, Ill.



Dings Magnetic Pulleys —"High Intensity"

A DINGS "High Intensity" Magnetic Pulley combines greater pulling strength with lower current consumption—simply the result of better design evolved by Dings engineers.

There is nothing skimped in a Dings as a comparison of the weight with that of other pulleys will show. You get a high powered pulley capable of stopping all the iron that passes over it, at a cost that can't be equalled.

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DINGS MAGNETIC SEPARATOR CO.
616 SMITH ST., MILWAUKEE, WIS.

Birmingham.....513 N. 21st St.
Buffalo.....988 Ellicott Square
Chicago.....115 S. Dearborn St.
Cincinnati..Mercantile Library Bldg.
Cleveland .....Leader-News Bldg.
Denver.....1718 California St.
Detroit.....805 Hammond Bldg.
Los Angeles....San Fernando Bldg.
New York.....52 Vanderbilt Ave.
Pittsburgh.....1522 Oliver Bldg.
Richmond.....2106 E. Main St.
Salt Lake City.....201 Dooly Block
San Francisco.....419 Call Bldg.
St. Louis.....611 Granite Bldg.

Dings High Intensity MAGNETIC SEPARATION

National Acme Co., 7500 Stanton av, S E, Cleveland, O.
Otter Mfg. Co., Inc., 62 9th av, New York
Worcester Stamped Metal Co., 9 Hunt, Worcester, Mass.

Magnetos (Ignition)

See Igniters, Gas & Gasoline Engine

9511— Magnetos (Telephone)

Chicago Telephone Supply Co., Elkhart, Ind.

9512— Magnetos (Testing)

Holtzer-Cabot Electric Co., 125 Amory, Boston, Mass.
Niagara Machine Tool Works, Buffalo, N. Y. *See adv index at end of book*
Utica Fire Alarm Telegraph Co., Utica, N. Y.
Valley Electric Co., 3157H S Kingshighway, St. Louis, Mo.

9512a— *Magnets (Conveyor)

DINGS MAGNETIC SEPARATOR CO., 616 Smith, Milwaukee, Wis. *See adv index at end of book*
Magnetic Mfg. Co., 279 23rd av, Milwaukee, Wis. *See adv index at end of book*

9513— Magnets (Electro)

Acme Wire Co. ("Varley Duplex"), 1255 Dixwell av, New Haven, Conn.
American Electrical Works, Phillipsdale, R. I.
Ansonia Electrical Co., Ansonia, Conn.
Atlanta Utility Works (Oil Mill & Fertilizer), East Point, Ga.
Bunnell J. H. & Co., 32 Park pl, New York
CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis. *See adv index at end of book*
DINGS MAGNETIC SEPARATOR CO., 616 Smith, Milwaukee, Wis. *See adv index at end of book*
Electric Controller & Mfg. Co., Cleveland, Ohio *See adv index at end of book*
Industrial Controller Co., 890 Greenbush, Milwaukee, Wis.
Knott L. E. Apparatus Co., 79 Amherst, Cambridge, Mass.
Magnetic Mfg. Co., 279 23rd av, Milwaukee, Wis. *See adv index at end of book*
Queen-Gray Co., 64-70H W Johnson, Phila., Pa.
Reisner W. H. Mfg. Co., Hagerstown, Md.
Sundh Electric Co., 209 Parkhurst, Newark, N. J.
Thordarson Electric Mfg. Co., 501 S Jefferson, Chicago, Ill.

9513a—*Magnets (High Intensity)

DINGS MAGNETIC SEPARATOR CO., 616 Smith, Milwaukee, Wis. *See adv index at end of book*
Magnetic Mfg. Co., 279 23rd av, Milwaukee, Wis. *See adv index at end of book*

9514— Magnets (Lifting)

CUTLER-HAMMER MFG. CO., 12th & St Paul av, Milwaukee, Wis. *See adv index at end of book*
ELECTRIC CONTROLLER & MFG. CO., Cleveland, O. *See adv index at end of book*
Industrial Works, Bay City, Mich.
K. & B. Co. (Hand), 497 N 3rd, Phila, Pa.
Ohio Electric & Controller Co. ("Ohio"), 5900 Maurice av, Cleveland, O. *See adv index at end of book*

OHIO MILL TYPE LIFTING MAGNETS
NO BOLTS OR NUTS EXPOSED TO INJURY
ALL COIL INSULAT ON IMPREGNATED ASBESTOS
THE OHIO ELECTRIC & CONTROLLER CO.
5900 Maurice Ave. Cleveland, Ohio

Standard Varnish Wks. (Gutta Percha), 443H Fourth av, New York

9515— Magnets (Permanent)

Boker H. & Co., Inc. (Imported), 101 Duane, New York
Indiana Steel Products Co., 127 N Peoria, Chicago, Ill.
Lindenberg Steel Co., 90 West, New York
STROMBERG-CARLSON TELEPHONE MFG. CO., 1050 University av, Rochester, N. Y.
Utica Fire Alarm Telegraph Co., Utica, N. Y.

9516— *Magnets (Safety)

DINGS MAGNETIC SEPARATOR CO., 616 Smith, Milwaukee, Wis. *See adv index at end of book*
Magnetic Mfg. Co., 279 23rd av, Milwaukee, Wis. *See adv index at end of book*

9517— Magnets (Solenoid)

CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis. *See adv index at end of book*
Doyle-Dacosta Mfg. Co., Easton, Pa.
EASTON COIL CO., Centre & Mauch Chunk, Easton, Pa.

9517a—*Magnets (Standard & Special)

DINGS MAGNETIC SEPARATOR CO., 616 Smith, Milwaukee, Wis. *See adv index at end of book*
MAGNETIC MFG. CO., 279 23rd av, Milwaukee, Wis. *See adv index at end of book*

9518— Magnifiers

Bausch & Lomb Optical Co., Rochester, N. Y.
Glogau & Co., Great Lakes bldg, Chicago, Ill.

9519—Mail Catchers (Railway)

Columbian Mail Crane Co. ("Columbian" Steel), Columbus, O.
Taylor & Boggis Foundry Co., Cleveland, Ohio

9520—Mail Chutes for Buildings

American Mailing Device Corp. (U. S. Mail Chutes), 203 E 12th, New York
CUTLER MAIL CHUTE CO., Rochester, N. Y. (New York Office—345 Madison av)

9521—Mailing Devices (Combination Letter and Parcel)

Ames Bag Machine Co., 5606H Euclid av, Cleveland, O.
Bemis Bro. Bag Co. ("Two-In-One"), 601H S 4th, St. Louis, Mo.
Cleveland-Akron Bag Co. ("Cabco"), Perkins av & E 40th, Cleveland, O.
COLUMBUS MAILING BAG & FABRICS CO. (Manufacturers of Postal Mailing Bags and Devices, Coin & Seed Bags, Estimates on Sizes and Designs), Room 509, 101 N High, Columbus, O.
DU-PLEX ONVELOPE CORP., Quincy, Ill.
Letter-Pack-It-System ("Letter-Pack-It" Envelopes), Detroit, Mich.
National Bag Co. ("Bull Dog"), Dept H, Naperville, Ill.
St. Louis Paper Can & Tube Co. (Cases for Liquid), Big Bend rd, St. Louis, Mo.
Shuman Frank G. Co., ("At-tach-it"), 216H N Clinton, Chicago, Ill.
Worcester Envelope Co., Worcester, Mass.

9521a— Mailing Lists

BUCKLEY, DEMENT & CO., 300 Throop (cor Jackson blvd), Chicago, Ill.
Ross-Gould Co., 390 N 10th, St. Louis, Mo. *See adv index at end of book*

Mailing Machines

See Addressing & Mailing Machines

9522— Malachite Green

Ciba Co. Inc., 134 Cedar, New York
Commonwealth Chemical Corp., 35 W 43rd, New York
Dicks David Co., Inc., Varick & No Moore, New York
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
National Gum & Mica Co., 59th & 11th av., N. Y.
Wetterwald & Pfister Co., 276 Spring, New York
Williamsburg Chemical Co., 230 Morgan av, B'klyn, N. Y.

9523— Mallets (Calking)

ANCHOR SAW MILLS CO., 434 Washington, New York
Drew C. & Co., Kingston, Mass.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Union Hardware Co., Torrington, Conn.
Wilcox Crittenden & Co. Inc., 444 S Main, Middletown, Conn. *See adv index at end of book*

9524— Mallets (Carpenters, Printers, Tinners, Yard)

Bogert & Hopper Inc. (Wood), 57 Barclay, New York. *See adv index at end of book*
Drew C. & C. Co., Kingston, Mass.
Estes E. B. & Son (& Croquet, etc.), 364 5th av, New York *See adv index at end of book*
Newton Falls Mfg. Co. (Carpenters') Newton Falls, O.

9524a—*Mallets (For Machinists & Metal Workers)

O'Neil J. H. Jr.. Pawtucket, R. I.

9525— Mallets (Lignumvitae)

Bogert & Hopper Inc., 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
O'Neill J. H. Jr., Pawtucket, R. I.
Osborne C. S. Co., Box 133, Newark, N. J. *See adv index at end of book*
Seib Bros. Co., 96-100 Boyd av, Jersey City, N. J.
Stossel Carl Sons & Co., Front Royal, Va.
Strock L. W. & Co. (& Hickory), Bethlehem, Pa.

9526— Mallets (Rawhide)

Brockton Mallet Co. ("Goddard's"), Brockton, Mass.

(Continued on following page)

Mallets (Rawhide)—Continued

CHICAGO RAWHIDE MFG. CO., THE, 1307 Elston av, Chicago, Ill.
See adv index at end of book
Holbrook Raw Hide Co., 748 N Main, Providence, R. I.
Osborne C. S. & Co., Box 183, Newark, N. J. *See adv index at end of book*
Stimpson, Edwin B. Co., 853 Kent av, Brooklyn, N. Y.
See adv index at end of book
United Awl & Needle Co. (Rawhide Faces), West Medway, Mass.

9527— Mallets (Rubber)

Boston Belting Corp., 84 Linden Park, Boston, Mass.
Continental Rubber Works, Erie, Pa.
Davol Rubber Co., 69 Point, Providence, R. I.
Goodrich B. F. Co., Akron, O.
Goodyear Tire & Rubber Co., Inc. ("Good Year"), 1144 E Market, Akron, Ohio
Manhattan Rubber Mfg. Co., Passaic, N. J.
National India Rubber Co., Bristol, R. I.
Newton Falls Mfg. Co., Newton Falls, O.
New York Belting & Packing Co., 91 Chambers, New York
Quaker City Rubber Co., 672 Market, Phila., Pa. *See adv index at end of book*
Revere Rubber Co., Chelsea, Mass.
Schacht Rubber Mfg. Co., Huntington, Ind.
U. S. RUBBER CO., 1790 B'way, New York
See adv index at end of book

9528— Mallets (Wooden)

American Woodworking Co., 106 Reade, New York
ANCHOR SAW MILLS CO., 434 Washington, New York
Bernz Otto, 17-37 Ashland W, Newark, N. J.
Bogert & Hopper Inc. (For Carpenters, Printers, Tinners, etc.), 57 Barclay, New York. *See adv index at end of book*
Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Delphos Mfg. Co. (Tinners', etc), 1st & Pierce, Delphos, O.
Dickinson C. W. Co., Ypsilanti, Mich.
Economy Drawing Table & Mfg. Co., Adrian, Mich.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Hellenberg J. B. Co. (For Stone Cutters, Carpenters, Tinners, etc), Coldwater, Mich.
Kohaut John C., 117 Green, Newark, N. J.
Newton Falls Mfg. Co., Newton Falls, O.
New York Mallet & Handle Works, 743 E 11th, New York
O'Neil J. H. Jr. (Hickory), Pawtucket.
Osborne C. S. & Co. (Dogwood & Lignumvite), Box 183 Newark, N. J.
See adv index at end of book
Parker-Kalon Corp. ("Parker-Kalon" Dogwood), 362 W 13th, New York
Piqua Handle & Mfg. Co., P. O. Box 307, Piqua, O.
Prouty C. & Co. (All Kinds), Eldred, Pa.
Redlich Mfg. Co. (also Rubber Forced), 637-647 W Oak, Chicago, Ill.
Richardi & Bechtold, Bellaire, Mich.
Sommer John Faucet Co., 30 Morris av, Newark, N. J.
Stanley Rule & Level Co., New Britain, Conn.
Stevenson Mfg. Co. (Miniature), South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Stossel Carl Sons & Co., Front Royal, Va.
Strock L. W. & Co., Bethlehem, Pa.
Union Hardware Co., Torrington, Conn.

9529—Malt & Ice House Builders

9530— Mandrels

See also Arbors

Adams Co. (Stove Pipe), Dubuque, Ia.
Alert Tool Co. ("Alert" Roller Grip), 1321 W Tioga, Phila., Pa.
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Ampco Twist Drill & Tool Co., 18th & Howard, Detroit, Mich.
Brown & Sharpe Mfg. Co., Providence, R. I.
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O. *See adv index at end of book*
Cruben Machine & Steel Corp., 60 Warick, New York
Detroit Twist Drill Co., 2103 W Fort, Detroit, Mich.
Disston Henry & Sons, Tacony, Phila., Pa.
Dixon Wm. (Jewelers), 119 Fulton, New York
Eastern Tube & Tool Co., Inc. ("Ettco"), 594 Johnson, Brooklyn, N. Y.
Freeman Mfg. Co. (Mandrel Sets), Racine, Wis.
See adv index at end of book
Gisholt Machine Co., Madison, Wis.
Griffitts, T. H. Machine Works (Pipe Centers), 20 Clementina, San Francisco.
Morse Twist Drill & Machine Co. ("Morse") (with Expanding Sleeve), New Bedford, Mass.
New Haven Sherardizing Co. (Zinc Alloyed Sherardized), Hartford, Conn.
Noyes B. B. Co. ("Little Giant," "Green River" Blacksmith's Taper), Greenfield, Mass.
Peck, Stow & Wilcox Co., Southington, Conn.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Quin Roy D. (Tube Splicing), Willoughby, Ohio
Reiff & Nestor Co. (Steel), Lykens, Pa.
Rogers Jno. M. Works, Gloucester City, N. J.
Smith H. B. Machine Co., Smithville, N. J.
United States Hdwe. & Mfg. Co. (Plain & Slotted), 16H Warren av, Pawtucket, R. I.
WHITMAN & BARNES MFG. CO., Akron, O. *See adv index at end of book*

Mandrels (Blacksmiths')

See Mandrels or Cones, Blacksmiths

9530a—Mandrels (Circular Saw)

Partridge E. O., 2039 W Lake, Chicago, Ill.
See adv index at end of book

9531— Mandrels (Expanding)

See also Arbors

Jersey City Machine Co., 113 Plymouth, Jersey City, N. J.
Le Count Wm. G., South Norwalk, Conn.
Manufacturers Equipment Co., Waller av & Fillmore, Chicago, Ill.
NICHOLSON W. H. & CO. (Lathe). Wilkes-Barre, Pa.
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*
Western Tool & Mfg. Co. ("Champion"), Springfield, O.

9532— Mandrels (Hardened & Ground)

Ampco Twist Drill & Tool Co., 18th & Howard, Detroit, Mich.
Standard Tool Co., 6700 Central av, Cleveland, O.

9533— Mandrels (Hub)

Defiance Machine Works, Defiance, O.

9534— Mandrels or Cones (Blacksmiths')

Illinois Iron & Bolt Co., Carpentersville, Ill.
Southern Skein & Foundry Co., Chattanooga, Tenn.
Swett A. L. Iron Works, Medina, N. Y.

9535— Mandrels (Saw)

American Woodworking Machy. Co., Rochester, N. Y.
Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Berry Machinery & Supply Co., 289 Santa Clara, San Jose, Cal.
Clizbe Bros. Mfg. Co., Plymouth, Ind.
Columbia Mfg. Co., Belleville, Ill.
Cordesman-Rechtin Co., Butler, Cincinnati, O.
Disston Hy. & Sons, Tacony, Phila., Pa.
Fay J. A. & Egan Co., Cincinnati, O.
Gerlach Peter Co., 1712H Winter, Cleveland, O.
Hoe R. & Co., 506 Grand, New York
Huther Bros. Saw Mfg. Co., Rochester, N. Y.
See adv index at end of book
Janney & Co., Montgomery, Ala.
Lippert E. T. Saw Co., Millvale, Pa.
National Woodworking Machine Co., Dover, N. H.
Ober Mfg. Co., Chagrin Falls, O.
Reed Hardware & Mfg. Co., Cairo, Ill.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Smith H. B. Machine Co., Smithville, N. J.
Southern Engine & Boiler Mfg. Co., Jackson, Tenn.
Southern Saw Works (Circular Saw), East Point, Ga.
Union Iron Works, Bangor, Me.
Wheland Co., East Point, Chattanooga, Tenn.

Mandrels (Taper)

See Mandrels

9536— Manganese

American Alloys Co., American bldg, Baltimore, Md.
Bauer Philip Co. (Imported), 53 Park pl, New York
Binswanger H. P., 7 W 16th, New York
CHRYSTAL CHAS. B. CO. INC. (Oxide, Borate, Resinate Recovered, Imp.), 13 Cliff, New York
See adv index at end of book
Cooper Chas. & Co., 194 Worth, New York
Doggett Stanley, 11 Cliff, New York
Foote Mineral Co., 109 N 19th, Phila., Pa.
Hardy Chas., Inc. (Broker), 1 Pershing sq, New York
Harshaw, Fuller & Goodwin Co. (Boats, Resinate pole and sulphate), Cleveland, Ohio
Innis, Speiden & Co., Inc., 46 Cliff, New York
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Lamson John S. & Bro. (Imptrs. & Dlrs.), 347 Madison av, New York
Lavino E. J. & Co. (Black Oxide, Dioxide, Lump & Ground), Bullitt bldg, Phila., Pa.
McKesson & Robbins (Imp), 91 Fulton, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
METAL & THERMIT CORP., 120 B'way, New York
Mitsui & Co. (Imp), 45 B'way, New York
National Paint & Manganese Co. (Miners & Grinder), Lynchburg, Va.
Pennsylvania Salt Mfg. Co. (Salt), Widener bldg, Phila., Pa.
Powers-Weightman Rosengarten Co. (Salts), 916 Parrish, Phila., Pa.
Roessler & Hasslacher Chemical Co. (Chloride, Oxide, Sulphate, etc.), 709 6th av, New York
See adv index at end of book
SAMUEL FRANK & CO., Harrison bldg, Phila. Pa. *See adv index at end of book*
Seaboard Steel & Manganese Corp. (Pig), Temple, Pa.
Staley's Creek Manganese & Iron Co., Marion, Va.
Tennant C. Sons & Co. of N. Y. (Imp), 19 W 44th, New York
Wiarda Jno. C. & Co. (Oxide Salts), 273 Greene, Brooklyn, N. Y.

9536a— Manganese Borate

Chrystal Chas. B. Co., Inc., 13 Cliff, New York
See adv index at end of book
Cooper Chas. & Co., 194H Worth, New York
Fergusson Alex. C. Jr., 474 Chestnut, Phila. Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Meyer J. & Sons, Bourse bldg, Phila., Pa.
Scheel Wm. H., 179 Water, New York
See adv index at end of book

9537— *Manganese-Boron

Metal & Thermit Corp., 120 B'way, New York

9537a—Manganese Carbonate

Cooper & Cooper Inc., 23H Cliff, New York
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Meyer J. & Sons, Bourse bldg, Phila., Pa.

9537b— Manganese Chloride

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

9538— Manganese Dioxide

American Alloys Co., American bldg, Baltimore, Md.
Carus Chemical Products Co. (Precipitated Blue Black, Specially Active Dryer), La Salle, Ill.
Chrystal Chas. B. Co., Inc., 13 Cliff, New York
See adv index at end of book
FOOTE MINERAL CO., 109 N 19th, Phila., Pa.
General Commercial Co., Ltd., of U. S. (Imp.), 90 W B'way, New York
Hardy Chas., Inc. (broker), 1 Pershing sq, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Lavino E. J. & Co., Bullitt bldg, Phila., Pa.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
Philipp Bros., Inc., 233 B'way, New York
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.

9538a—Manganese Linoleate

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Scheel Wm. H., 179 Water, New York
See adv index at end of book

9539— Manganese Metal

ELECTRO METALLURGICAL SALES CORP. (& Alloys, etc), Carbide & Carbon bldg, New York
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.

9539a— Manganese Ores

Chrystal Chas. B. Co., Inc., 13 Cliff, New York
See adv index at end of book
Foote Mineral Co., 109 N. 19th, Phila., Pa.

EDWIN A. JACKSON & BRO. Inc.

50 Beekman Street, New York,

MANUFACTURERS OF

Mantels, Grates, Franklin Stoves, Dampers, Andirons, Spark Screens and All Kinds of Fireplace Fixtures.

Foundry Manganese Co., Harrison bldg, Phila., Pa.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Meyer J. & Sons, Bourse bldg, Phila., Pa.
Vitro Manfg. Co., H Bessemer bldg, Pittsburgh, Pa.

Manganese Oxide

(See Oxide of Manganese)

9539b—Manganese Peroxide

American Metal Co., 61 B'way, New York
Chrystal Chas. B. Co., Inc., 13 Cliff, New York
See adv index at end of book
Foundry Manganese Co., Harrison bldg, Phila., Pa.
Lavino E. J. & Co. (Imp), Bullitt bldg, Phila., Pa.
Samuel Frank & Co., Harrison bldg, Phila. Pa. *See adv index at end of book*

9539c—*Manganese (Recovered)

9539d—Manganese Resinate

Harshaw, Fuller & Goodwin, 545 Hanna bldg, Cleveland, O.
See adv index at end of book
National Oil Products Co., Harrison, N. J.

9540—Manganese Steel Repair Parts

American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept. H, 14th & State, Chicago Heights, Ill.
Taylor-Wharton Iron & Steel Co. ("Tisco"), High Bridge, N. J.

9541—Manganese Steel Track Work

See also Frogs, Switches & Crossings

AM. FROG & SWITCH CO. ("American"), Hamilton, O.
See adv index at end of book
Barbour Stockwell Co., Cambridge, Mass.
Bethlehem Steel Co. ("Manard"), South Bethlehem, Pa.
Cleveland Frog & Crossing Co. ("C. F. C. & Co."), 6917 Bessemer av, Cleveland, O.
Conley Frog & Switch Co., S Memphis, Memphis, Tenn.
Frog-Switch & Mfg. Co., Carlisle, Pa.
Indianapolis Switch & Frog Co., Springfield, Ohio
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Ramapo Iron Works, Hillburn, N. Y.
St. Louis Frog & Switch Co., Chemical bldg, St. Louis, Mo.
WHARTON WM. JR. & CO., Inc. (For Electric, Steam & Industrial Railways), Easton, Pa.

9541a—Manganese Sulphate

CARUS CHEMICAL PRODUCTS CO., La Salle, Ill.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Hummel & Robinson, 90 West, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Powers - Weightman - Rosengarten Co., 916H Parrish, Phila., Pa.

9541b—*Manganese Titanium

Metal & Thermit Corp., 120 B'way, New York

9541c—Manganesite Compounds

WILLIAMS & WELLS CO. (Universal Jointing Compound for saturated and superheated steam, etc. Will stand highest pressures. Used same as red lead putty. Always ready for use, no waste. Used by the principal steamship, shipyard, railroad and power companies throughout the world), 263 Fulton, New York
See adv index at end of book

9542— Mangers (Feed)

Casey-Hedges Co. ("Chattanoogan"), 25th & Chestnut, Chattanooga, Tenn.
Cheney S. & Son (Horse), Manlius, N. Y.
Cowmatic Corp. ("Cowmatic"), Lynchburg, Va.
Dow Co., 201H N Buchanon, Louisville, Ky.
Indiana Foundry Co., Dept H, Indiana, Pa.
Londen Machinery Co., Fairfield, Iowa
Mullins Mfg. Co., Brillion, Wis.
Rockford Steel Fixture Co. ("Warren" All Steel Sanitary), Rockford, Ill.
Sanitary Co. (Iron), Linfield, Pa.
West Bend Barn Equipment Co., West Bend, Wis.

Mangles (Ironing)

See Laundry Machinery

9543— Manheads, Yokes, Etc. (Pressed Steel)

Central Iron & Steel Co., Harrisburg, Pa.
Glasgow Iron Co. ("Roe"), Pottstown, Pa.
Lukens Steel Co. ("Best Yet"), Coatesville, Pa.

Manholes (Flanged)

See Boiler Flue Holes & Manholes, Flanged

9543a— Manholes (Ship)

Thacher Propeller & Foundry Corp., Albany, N. Y.

9544— Manicure Sets

Acme Manicure & Novelty Co. (In Roll Ups), 49 Lishard, New York
Artistic Novelty Co., 60 W 37th, New York
Bates, C. J. & Son, Chester, Conn.
Bergner Fred & Co., Paca & Cross, Baltimore, Md.
Boker Cutlery & Hdwe Co. Inc. ("Tree Brand," Imported), 101 Duane, New York
Celluloid Co. (Celluloid), 36 Washington pl, New York
DU PONT E. I. DE NEMOURS & CO., INC., Pyralin Div. ("Pyralin." See Adv at Celluloid), Arlington, N. J.
See adv index at end of book
Florin, Philip, 465 Broome, New York
Graef & Schmidt ("Twin Brand," Imported), 107 Chambers, New York
Havell Mfg. Co., 284 Washington, Newark, N. J.
Henkel-Clauss Co., Fremont, O.
Jennings Silver Co., Irvington, N. J.
Klaas Max ("Crane"), 320 B'way, New York
Koch F. A. & Co., 524 B'way, New York
Korn Geo. W. Razor Mfg. Co., Little Valley, N. Y.
Manicure Novelty Mfg. Co., 358 5th av, New York
Pacific Novelty Co. (Ivory "Elpho"), 41 E 11th, New York
Parkesburg Stamping & Mfg. Co., Parkesburg, Pa.
Requa Mfg. Co., 1193 Atlantic av, Brooklyn, N. Y.
Ross Jos. & Co., Irvington, N. J.
Saart Bros Co. (Sterling Silver Mounted), Attleboro, Mass.
Schimper Wm. & Co. (and Fittings), 332-338 Ferry, Hoboken, N. J.
Schnefel Bros., 684 So 17th St., Newark, N. J.
Sperry & Alexander Co., 79 Chamber, New York
Ulery U. J. Co. ("Clauss"), 258 Broadway New York
United Novelty Co. Lancaster, Pa.
U. S. Specialty Co. ("Allwon" Buffer Sets), Middletown, Conn.
Yale Novelty Co. (French Ivory), Leominster, Mass.

9544a— Manicure Sets (Cased)

Parkesburg Stamping & Mfg. Co., Parkesburg, Pa.

9545— Manifolds

American Tube Bending Co. (Made from Brass, Copper & Steel Tubing), 5 Lawrence, New Haven, Conn.
Atlas Copper & Brass Mfg. Co. (Steel), 2736-44 High, Chicago, Ill.
Detroit Shipbuilding Co., Ft. Orleans, Detroit, Mich.
Flat Metal Mfg. Co. (Ignition), Roscoe & Racine, Chicago, Ill.
Hershey Machine & Foundry Co., Manheim, Pa.
Kent F. C. Co., Irvington, N. J.
OXWELD ACETYLENE CO. (Oxygen or Hydrogen), 30 E 42nd, New York
See adv index at end of book
Pacific Coast Sales Book Co., 261 N. Spring, Los Angeles, Cal.
Pomeroy Electric Co. ("Pomeroy"), 43 E Main, Rochester, N. Y.
Standard Metal Work Co. (For Airplane & Automobile Engines), Thompsonville, Conn.
Sweet & Doyle Fdry & Mach. Co. (For Automobiles), Dept. H, Green Island, N. Y.
Wolverine Tube Co. (Brass & Copper), 1411H Central, Detroit, Mich.

9546— Manometers

Bachrach Industrial Instrument Co., H Murtland & Bennett, Pittsburgh, Pa.
Eimer & Amend, 205 E 18th, New York
Precision Scientific Co., 820-822 S Tripp av, Chicago, Ill.
Simplex Valve & Meter Co., 110 N Broad, Phila., Pa.

9547—*Mantel, Grate & Tile Dealers

JACKSON EDWIN A. & BRO., (Inc.) (The "Jaxon" Ventilating Grate, Mantel Tiles, Fireplaces, etc.), 50 Beekman, New York
See adv index at end of book

9548— Mantels (Brick)

Fallston Fire Clay Co., Oliver bldg, Pittsburgh, Pa.
Fiske & Co. ("Tapestry"), 30 Franklin, Boston, Mass.
Hydraulic-Press Brick Co., ("Hy-tex"), National Bank bldg, St. Louis, Mo.
Lorenzen Chas. F. & Co., 521 W Monroe, Chicago, Ill.
Los Angeles Pressed Brick Co. (Or Tile), Los Angeles, Cal.
Shape Brick Co., 3952 14th av, Seattle, Wash.
Washington Brick, Lime & Sewer Pipe Co., Spokane, Wash.

Mantels (Faience)

See Architectural Faience

Mantels (Marble)

See Marble Interior Work

9549—Mantels (Marbleized Iron)

Bridgeford Co., Louisvelle, Ky.

9550—Mantels (Marbleized Slate)

Criterion Slate Co., Hydeville, Vt.
Excelsior Slate Co., Pen Argyle, Pa.
Hinchey Patrick F. & Co., Hydeville, Vt.
O'Day Bros., Hydeville, Vt.
Structural Slate Co., The, 101 Marietta (With Natural Slate Blackboard Co., Pen Argyl), Pen Argyl, Pa.
See adv index at end of book
Structural Stone Co., Hubbard, Ohio

9551— Mantels (Mosaic)

Giannini & Hilgart, 222 W Madison, Chicago, Ill.
Hawes & Dodd, 59 E Adams, Chicago, Ill.
Tiffany Studios, 361 Madison av, New York
Von Gerichten Art Glass Co., 557 So High, Columbus, O.

Mantels (Onyx)

See Onyx Workers

9552— Mantels (Slate)

See also Slate Mill Stock; also Mantels, Marbleized Slate

American Slate Co., Easton, Pa.
Auld & Conger Co., 942 Prospect, Cleveland, O.
Fair Haven Marble & Marbleized Slate Co., Fair Haven, Vt.
Hahn Granville, Walnut Port, Pa.
Hinchey Patrick F. & Co., Hydeville, Vt.
Monson Maine Slate Co., 112 Water, Boston, Mass.
Penrhyn Slate Co., Hydeville, Vt.
Structural Slate Co., The, 101 Marietta (With Natural Slate Blackboard Co., Pen Argyl), Pen Argyl, Pa.
See adv index at end of book
Structural Stone Co., Hubbard, Ohio

Mantels (Terra Cotta)

See Terra Cotta, Architectural

9553— Mantels (Wood)

American Sash & Door Co. (Wholesale Mfrs.), 16th & Bellefontaine, Kansas City, Mo.
Arnold & North, 124 E 41st, New York
Atkins C. B. Co. (Whol.), 812 S Gay, Knoxville, Tenn.
Bering Mfg. Co. (Whol. Mfrs.), Houston, Tex.
Bossert Louis & Son, 1335 Grand, Brooklyn, N. Y.
Brockway-Smith Corp. (Whol.), 93 Canal, Boston, Mass.
Capitol Lumber Co., 49th & Monon, Indianapolis, Ind.
Carr, Ryder & Adams Co. (Wholesale Mfrs.), Dubuque, Ia.
Carter Geo. H. Co., 460 Har. av, Boston, Mass.
Chas. F. Lorenzen & Co., 521 W Monroe, Chicago, Ill.
Chicago Millwork Supply Co. (whol mfrs), 1404 W 37th, Chicago, Ill.
Columbia Mantel Co. (Whol.), Louisville, Ky.
Cumberland Sash & Door Co. (Whol. Mfrs.), Cumberland, Md.
Curtis Bros. & Co. (Whol. Mfrs.), Clinton, Ia.
Curtis, Towle & Paine Co. (Whol.), Lincoln, Neb.
Curtis & Yale Co., Wausau, Wis.
Dawson Bros. (Wholesale Mfrs.), 523 N Halstead, Chicago, Ill.
Dixon Lumber & Millwork Co., Weldon, N. C.
East Tennessee Woodworking Co., Morristown, Tenn.
Enterprise Planing Mill Co., Hillsboro, O.
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Gordon Vantine Co., Davenport, Ia.
Hegan-Magruder Co., Louisville, Ky.
Hornet Mantel Co., 1112 Market, St. Louis, Mo.
Hyde-Murphy Co., Ridgeway, Pa.
Ironton Wood Mantel Co., Ironton, O.
Irving & Casson, 573 Boylston, Boston, Mass.
JACKSON EDWIN A. & BRO. (INC.), 50 Beekman, New York
See adv index at end of book
Jamestown Mantel Co., Falconer, N. Y.
Kertscher & Co., Elmira, N. Y.
Knoxville Furn. Co. (Whol.), 528 McGhee, Knoxville, Tenn.
Loetscher & Burch Mfg. Co., Des Moines, Ia.
Lorenzen Chas. F. & Co., 105 N Clark, Chicago, Ill.
Matthews Bros. Mfg. Co., 61 4th, Milwaukee, Wis.
Messer Joh. J. Co., 457 Central av, Newark, N. J.
Moline Furniture Works, Moline, Ill.
Morgan Co. (Wholesale Mfrs.), Oshkosh, Wis.
Munson & Johnson, Jamestown, N. Y.
Nalle & Co. (Whol. Mfrs.), Austin, Tex.
National Mantel Co., McKeesport, Pa.
National Sash & Door Co., N Dupre & Toulouse, New Orleans, La.
Newark Mantel Co., 222 Market, Newark, N. J.
Ostendorf W. G., 3126 N Broad, Phila., Pa.
Paine Furniture Co., 81 Arlington, Boston, Mass.
Paine Lumber Co. (Ltd.), (Whol. Mfrs.), Oshkosh, Wis.
Quincy Show Case Works, Quincy, Ill.
Richmond Wood Working Co., Richmond, Va.
Smith, T. G. & Sons, Topeka, Kansas.
STEARNS A. T. LUMBER CO., 100 Taylor, Boston, Mass.
See adv index at end of book
Taylor Wm. M. Mantel & Grate Co., 331 S High, Columbus, O.
Thauwald C. F. & Co., 1224 Harrison av Cincinnati, O.

9554— Mantles (Arc)

General Gas Light Co. ("Humphrey"), Kalamazoo, Mich.

9555-6—Mantles (Incandescent Gas)

See also Burners, Incandescent Gas
Alter Light Co., 2307 Archer av, Chicago, Ill.
AMERICAN GAS MACHINE CO. INC., ("Baby," "No. One X"), 78 Reade, New York
Aurora Mantle & Lamp Co., Aurora, Ill
Block Gas Mantle Co., Youngstown, O.
Block Co., Youngstown, O.
Buffalo Gas Mantle Co., 407 Master, Buffalo, N. Y.
Coleman Lamp Co., Dept. H, Wichita, Kans.
Eclipse Light Co. ("Rector," "Eclipse" & "Junior"), 583 Broadway, New New York
General Gas Mantle Co. ("Humphrey"), Camden, N. J.
Harris Wood Fibre Mantle Co. ("Harris"), 3805 Clark av, Cleveland, O.
Hickory Gas Mantle Mfg. Co., N W cor University & Griggs, St. Paul, Minn.
Liberty Incandescent Light Co., 468 W B'way, New York
Lindsay Light Co., 161 E Grand av, Chicago, Ill.
Mantle Lamp Co., 609-611 West Lake, Chicago, Ill.
Paragon Light Co., 141 Locust, Buffalo, N. Y.
Peerless Light Co. ("Flexo," "Peerless Indestructo"), 633 Washington, Chicago, Ill.
Phoenix Light Co., 525 Market, Milwaukee, Wis.
Smith F. A. Mfg. Co. ("Gasaver"), Rochester, N. Y.
Sunshine Mantle Co., Chanute, Kan.
Van Houten E. J. S., 290 B'way, New York
Welsbach Gas Lamp Co. ("Welsbach"), 392 Canal, New York

9557—Manufacturers' Distributors

American Sales Co., Explosives, Godchaux bldg, New Orleans, La.
Breslauer A. (Industrial Chemicals), American National Bank Bldg, San Francisco, Cal.
Crozier R. J. Co., 10 S 18th, Phila., Pa.
Ehrbar Edward, Inc., 270 West, New York
Jackson, J. M., 320 Market, San Francisco, Cal.
Jenkins V. S. Co., 301 Railroad av S, Seattle, Wash.
Manufacturers Agency, 317 Kittrell bldg., Shreveport, La.
Spencer L. E. Co., Stahlman bldg., Nashville, Tenn.

9558—Maple Sugar & Syrup Makers' Supplies

Bell C. S. Co., Hillsboro, O.
Champion Evaporator Co., Hudson, O.
Grimm G. H., Rutland, Vt.
Osborn J. M. & L. A. Co., Cleveland, O.
Pacific By-Products Co. (Sugar Clarifying Machinery), San Jose, Cal.

9559— Maps

Bradley Milton Co., Springfield, Mass.
Bullard A. G. Co., 1446 Tremt., Boston, Mass.
Clason Map Co. ("Clason" Road), 1515 Tremont, Denver, Colo.
Cram Geo F. Co., 107 N Market, Chicago, Ill.
Educational Exhibition Co., (& Graphic Charts), 26 Custom House, Providence, R. I.
Denny Edw. & Co., 333 Bush, San Francisco, Cal.
Geographical Publishing Co., 621 Plymouth, Chicago, Ill.
Gugler Lithograph Co., Milwaukee, Wis.
Hagstrom A. G., 116 Nassau, New York
Hammond C. S. & Co., 30 Church, New York
Hedenberg James W., 1461 Hollywood av, Chicago, Ill.
Iliff John W. & Co. ("Iliffle"), 54 W. Lake, Chicago, Ill.
Indianapolis Blue Print & Supply Co. (Printers), Century bldg, Indianapolis, Ind.
Judge W. Elliott, 24 California, San Francisco, Cal.
Matthews, Northup Works, 177 Washington, Buffalo, N. Y.
Mendenhall C. S., 406 Elm, Cincinnati, O.
National Map Co., 30 E. Georgia, Indianapolis, Ind.
Noll E. P. & Co., 21 N 7th, Phila., Pa.
Ogle Geo. A. & Co., 533 S Clark, Chicago, Ill.
Ohman Map Co., 253 B'way, New York
Rand-Avery Supply Co., 117 Franklin, Boston, Mass.
Rand McNally & Co., 533 S Clark, Chicago, Ill.
Sanborn Map Co., 11 B'way, New York
Scarborough Motor Guide Co., 225 N. Jersey, Indianapolis, Ind.
Smith J. L. Co., 27 S 6th, Phila., Pa.
Thomas Bros., 335 Montgomery, San Francisco, Cal.
Universal Co., 27 Barclay, New York
Walker Lithograph Publishing Co., 400 Newberry, Boston, Mass.
Williams Map & Guide Co., 325 Lafayette, New York
Woodward-Tierman Printing Co., 309 N 3d, St. Louis, Mo.

9560— Marble Altars

Andres Stone & Marble Co., Keefe av & Richards, Milwaukee, Wis.
Bernieri Ettore N., 703 Market, San Francisco, Cal.
Christa Marble Co., 1625 St. Aubin, Detroit, Mich.
Church Art Work Co., Mt. Vernon, N. Y.
Daprato Statuary Co., 766 W Adams, Chicago, Ill.
See adv index at end of book
Francini C., Lexington av & 35th, New York
Halgartner Marble Co., 223 N. Charles, Baltimore, Md.
Marthens Chester N. Marble Co., W 53rd & Wallace, Chicago, Ill.
Pickel Marble & Granite Co., 1901 N B'way, St. Louis, Mo.
Sibbel Jos., 214 E 26th, New York
Standard Marble Works, 706 Front, Cincinnati, O.
Theis' Peter Sons, 636 1st av, New York
Tiffany Studios, 341 Madison av, New York
Weiblen A. Marble & Granite Co., City Park av & St. Louis, New Orleans, La.

9561— Marble (Artificial)

Art Marble Co., 2883 Hillock av, Chicago, Ill.
California Scagliola Co., San Francisco, Cal.
Cassini Mosaic & Tile Co., 1027 B'way, Cincinnati, O.
Coast Art Marble Co., 68 Clara, San Francisco, Cal.
Cousins H. A. Co., 524 W 25th, New York
Henry Marble Co., 3208 Shields av, Chicago, Ill.
Klee-Thomson Co., 327 E 40th, New York
Raecolith Flooring Co., 2-8 Hanford, Seattle, Wash.
Scagliola Mfg. Co., 255 Lexington av, New York
Stone Products Co., Muskegon, Mich.

9562— Marble (Basseville)

Jackson C. D. & Co., (Imp), 140th & Locust av, New York
Maute J. & Sons, 23 Kane, Buffalo, N. Y.

9563— Marble (Carrara)

Jackson C. D. & Co., (Imp), 140th & Locust, New York
Schlichter P. M. & W., 636 1st av, New York
Tompkins Kiel Marble Co., 505 5th av, New York

9564—Marble (Colored, Foreign)

Jackson C. D. & Co., (Imp), 140th & Locust, New York
Tompkins Kiel Marble Co., 505 5th av, New York

Marble Columns (Artificial)

See Marble, Artificial

9565—Marble Columns (Monolithic)

Schlichter P. M. & W., 636 1st av, New York

9566—Marble, Crushed (Graded)

Conlin Marble Co., Tuckahoe, N. Y.
Hawkey Feldstone Co., Mead bldg, Spokane, Wash.
Kapallo Mfg. Co. Inc., 1 Pershing sq, New York
Rutland Fire Clay Co. ("Rutland"), Rutland, Vt.

9567— Marble Dust Mfrs.

Conlin Marble Co., Tuckahoe, N. Y.
French Samuel H. & Co., 4th & Callowhill, Phila., Pa.
Hammill & Gillespie (Jobbers), 240 Front, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Higginson Mfg. Co., Newburg, N. Y.
Hoosac Marble Co., North Adams, Mass.
Jackson C. D. & Co., 140th & Locust av, New York
Kapallo Mfg. Co. Inc., 1 Pershing sq, New York
Ohio Marble Co., Piqua, O.
Peoria Stone & Marble Works, Peoria, Ill.
Rutland Fire Clay Co. ("Rutland," Pulverized), Rutland, Vt.
Wagner Chas. & Co. Inc., 223 N Front, Phila, Pa.
White Marble & Terrazzo Co., Lee, Mass.
Whittaker, Clark & Daniels, Inc. (Jobbers), 250 Front, New York

Marble Electric Work

See Marble Interior Work

9568— Marble Exterior Work

Andres Stone & Marble Co., Keefe av & Richards, Milwaukee, Wis.
Beaver Dam Marble Co., Gunther bldg, Baltimore, Md.
Blue Ridge Marble Co. (Georgia Marble), Nelson, Ga.
Bradbury Marble Co., 4165 Duncan, St. Louis, Mo.
Bradley Wm. & Son, Vernon av, Long Island City, N. Y.
Buckeye Marble Co., Hamilton, O.
Carew Jos. F., Inc., Gerard & Mass. av, Boston, Mass.
Georgia Marble Co. ("Cherokee," "Creole," "Etowah," "Amicalola," "Spring White," "White Southern"), Tate, Ga.
Georgia Marble Finishing Works, Canton, Ga.
Gray Wm. & Sons Co., 30th bl Walnut, Philadelphia, Pa.
Rullman & Wilson, Lafayette E of Mt. Royal, Baltimore, Md.
Sisson Hugh & Sons, 21 N Liberty, Baltimore, Md.
Vermont Marble Co., Proctor, Vt.
Veiblen A. Marble & Granite Co., City Park av & St. Louis, New Orleans, La

Marble Flour

See Marble Dust

9569— Marble for Terrazzo

Cardiff Green Marble Co. (Granite), Cardiff, Md.

Hawkey Feldstone Co., Mead bldg, Spokane, Wash.
Italian Marble Mosaic Co., 431 Spruce, Phila., Pa.
Traitel Marble Co., Webster av & E. R. Long Island City, N. Y.
Willingham Stone Co. (White Granite), Healey bldg, Atlanta, Ga.

9570— Marble (Greek)

Jackson C. D. & Co. (Imp.), 140th & Locust av, New York
Zicha A. R. Marble Co., 813 Vernon av, Long Island City, N. Y.

9571— Marble (Green)

Cardiff Green Marble Co., Cardiff, Md.
Jackson C. D. & Co., 140th & Locust av, New York
Schweyer Henry A., Co. ("Sylvan Green"), Easton, Pa.
Tompkins Kiel Marble Co., 505 5th av, New York
Westfield Marble & Sandstone Co., Westfield, Mass.

9572— Marble Importers

See also Marble, Wholesale

Bernieri Ettore N., 703 Market, San Francisco, Cal.
Evans Marble Co., Ranstead Wharf, Baltimore, Md.
Francini C., Lexington av & 35th, New York
Hilgartner Marble Co., 223 N Charles, Baltimore, Md.
Jackson C. D. & Co., 140th & Locust av, New York
Musto Jos. Sons-Keenan Co., 535 North Point, San Francisco, Cal.
Pisani Bros., 815 Vernon av, Astoria, New York
Schlichter P. M. & W. (German & Italian), 636 1st av, New York
Standard Marble Wks, 706 Front, Cincinnati, O.
Taber & Co., 444 E 106th, New York
Tompkins Kiel Marble Co., 505 5th av, New York
Townsend, Townsend & Co., 453 W 21st, New York

9573—Marble Importers (Italian)

Jackson C. D. & Co., 140th & Locust av, New York
Pisani Bros., 815 Vernon av, Astoria, L. I., New York
Schlichter P. M. & W., 636 1st av, New York
Tompkins Kiel Marble Co., 505 5th av, New York

9574—Marble Interior Work

See also Plumbers' Marble Work; also Marble Producers

Aetna Marble Co., 322 W av 33rd, Los Angeles, Cal.
Aetna Marble Co., Inc., 976-8 Ninth av, Astoria, L. I., N. Y.
American Marble & Masonic Co., 25 Columbia Square av, San Francisco, Cal.
American Mosaic & Tile Co., Louisville, Ky.
Andres Stone & Marble Co., Knoxville, Tenn.
Back J. E. Co., 1533 San Bruno av, San Francisco, Cal.
Blue Ridge Marble Co. (Georgia & Tenn. Marble Only), Nelson, Ga.
Bradbury Marble Co., 4165 Duncan, St. Louis, Mo.
Bradley Wm. & Son, Vernon av., Long Island City, N. Y.
Bruner Marble & Tile Co. Inc., Marsh-Strong bldg, Los Angeles, Cal.
Buckeye Marble Co., Hamilton, O.
Cascio S. (Counter Work, Plumbers' Work Marble Top Table, Tiling, etc.), 1259 Flushing av, Brooklyn, N. Y.
Central Mosaic & Tile Co., 15 S 4th, Memphis, Tenn.
Christa Marble Co., 1625 St. Aubin, Detroit, Mich.
Clow Jas. B. & Sons, 534 S Franklin, Chicago, Ill.
Collins B. V., 1431 E 16th, Los Angeles, Cal.
Columbia Marble Co., Rialto bldg, San Francisco, Cal.
Cork & Zicha Marble Co., 813 Vernon av, Long Island City, N. Y.
DAPRATO STATUARY CO., 766 W Adams, Chicago, Ill
See adv index at end of book
Drake Marble & Tile Co., 58 Plato av, St. Paul, Minn.
Eckhardt Monumental Co., Toledo, O.
Eschmann B. & J., 268 47th, New York
Francini C., Lexington av & 35th, New York
Georgia Marble Co. ("Cherokee," "Creole," "Etowah," "Amicalola," "Spring White," "White Southern"), Tate, Ga.
Georgia Marble Finishing Works, Canton, Ga.
Gray Chas M. Marble & Slate Co., 709 Vernon av, Long Island City, N. Y.
Gray Wm. & Sons Co., 30 bl Walnut, Philadelphia, Wis.
Hilgartner Marble Co., 223 N Charles, Baltimore, Md.
Huber Victor Marble & Granite Co., Scott & St. Louis, New Orleans, La.
Jacoby & Son Co., 2025 Market, Phila., Pa.
Kemlein & Leahy, Onyx, Long Island City, N. Y.
Klaber S. & Co., 144 W. 55th, New York
Lautz Missouri Marble Co., Carthage, Mo.
McGratty & Sons, 213 Butler, Brooklyn, N. Y.
McLaury D. H. Tile Co., 881 E 141st, New York
Marthens Chester N. Marble Co., W 53d & Wallace, Chicago, Ill.
Milligard D. & Co., Colfax, Wash.
Mission Marble Works, 209 Mississippi, San Francisco, Cal.
Musto Jos. Sons-Keenan Co., 535 North Point, San Francisco, Cal.
National Mosaic Co., 338 Pennsylvania av, Washington, D. C.
Naughton Marble Co., 64 W Grand, Chicago, Ill.
Norcross Marble Co., Harvard & Jennings rd, Cleveland, O.
Northwestern Marble & Tile Co., 27th av & 27th, Minneapolis, Minn.
Peoria Stone & Marble Works, Peoria, Ill.
Pickel Marble & Granite Co., 1901 N B'way, St. Louis, Mo.
Ravenswood Co., Ravenswood, L. I., N. Y.
Reeves Marble Co., Atlanta, Ga.
Schanen N. A. Marble Wks., Macadam & Dakota, Portland, Ore.
Schlichter P. M. & W., 636 1st av, New York
Sisson Hugh & Sons, 21 N Liberty, Baltimore, Md.
Standard Marble Works, 706 Front, Cincinnati, O.
Structural Stone Co., Hubbard, Ohio
Theis' Peter Sons, 636 1st av, New York
Toscani John L. Co., 930 E 178th, New York
Traitel Marble Co., Webster av, Long Island City, N. Y.
Voska, Foelsch & Sidlo, 61 Mills, Astoria, L. I., N. Y.
Wege Marble & Tile Co., Central National Bank bldg, Columbus, O.
Weiblen A. Marble & Granite Co., City Park av & St. Louis, New Orleans, La.
Weinfenbach Geo., 145 W 35th, Los Angeles, Cal.
Weis & Jennett Marble Co., 3011 Missouri, St. Louis, Mo.
White Marble & Terrazzo Co., Lee, Mass.

Marble Mosaic

See Mosaics, Floor

Marble Mosaic Cube Importers

See Mosaic Cube Importers, Etc.

Marble (Plumbers')

See Plumbers' Marble Work

9575— Marble Producers

CALIFORNIA.

LOS ANGELES—American Carrara Marble Co.
Inyo Marble Co. of Cal., Hibernian bldg
SAN DIEGO—Southwest Onyx & Marble Co.
SAN FRANCISCO—Columbia Marble Co., Rialto bldg
Mission Marble Works, 209 Mississippi

GEORGIA.

ATLANTA — Atlanta Marble & Granite Works.
BALL GROUND—Consumers Marble Co.
Roberts Monument Co.
CANTON—Coggins Marble Co.
Continental Marble & Granite Co.
Georgia Marble Finishing Works
COLUMBUS — Elledge & Norman Marble Co.
MARIETTA—McNeel Marble Co.
NELSON—Blue Ridge Marble Co.
TATE—Georgia Marble Co. ("Cherokee," "Creole," "Kennesaw," "Etowah," "Silver Gray")
WHITESTONE—Whitestone Marble Co.

MARYLAND.

BALTIMORE—Beaver Dam Marble Co., Gunther bldg. Quarries, Cockeysville, Md.
Evans Marble Co., Ranstead Wharf
Sisson Hugh & Sons, 21 N Liberty

MASSACHUSETTS.

LEE—Gross W. H.
Lee Marble Works
White Marble & Terrazzo Co.
WESTFIELD—Westfield Marble & Sandstone Co.
WEST STOCKBRIDGE—West Stockbridge Marble Works

MICHIGAN.

DETROIT—Christa Marble Co., 1625 St. Aubin

MINNESOTA.

KASOTA—Kasota Marble & Tile Co. (Polished)

MISSOURI.

CARTHAGE—Carthage Marble Works
Carthage Marble & White Lime Co. (See St. Louis)
Carthage Stone Co.
Carthage Superior Marble & Limestone Co.
Consolidated Marble & Stone Co.
Kellogg Marble Co.
Lautz Missouri Marble Co.
Spring River Stone Co.
Steadley F. W. & Co., Dept H
KANSAS CITY—Phenix Marble Co., 19th & Olive
ST. LOUIS—Bradbury Marble Co., 4165 Duncan

NEW YORK.

BINGHAMTON—Lauder, Isaac & Son
CARTHAGE—Crooks & McLean Co.
GLEN FALLS—Finch, Pruyn & Co., Inc., (Black)
GOUVERNEUR—Gouverneur Marble Co.
Scholton D. G. (Wholesale)
St. Lawrence Quarries
Sullivan John J.
NEW YORK—Batterson & Eisele, 101 Park av
Tassini & Tassini, 44 Mangin

OHIO.

HAMILTON—Buckeye Marble Co.
Standard Marble Works, 706 W Front

PENNSYLVANIA.

CORRY—Starr Granite & Marble Wks.
GREENSBURG—Greensburg Granite & Marble Works
KING OF PRUSSIA—Schweyer Henry A. Co. (Blue & Dark Blue)
Schweyer Henry A. Co. ("Sylvan Green"). Quarries: Easton, Pa.
PHILADELPHIA—Peverley Bros., 1315 Filbert
WEST GROVE—Penna. Marble & Granite Co.

SOUTH CAROLINA.

SPARTANSBURG — Southern Marble & Granite Co.

TENNESSEE.

KNOXVILLE—Appalachian Marble Co. (Havlin Pink, Silver Gray, Dark Chocolate, Roseal, Dark Stainette Variegated), Middlebrook pk
Craig Jno. J., Office Vestal
Gray Eagle Marble Co. ("Gray Eagle")
Ross & Republic Marble Co. ("Royal"), McNutt bldg
Tennessee Producers' Marble Co. (Dark Cedar, McMullen Gray & (Bond Pink), University av
Victoria Marble Co. ("Victoria Pink," "Victoria Gray")

VERMONT.

BRANDON—Middlebury Marble Co.
BURLINGTON—Goodell Granite & Marble Co.
LEICESTER JUNCTION—Brandon Lime & Marble Co.
MANCHESTER CENTER—Bebee Wm. G.
PROCTOR—Vermont Marble Co.
RUTLAND—United Marble Companies
SWANTON—Barney Marble Works
WEST RUTLAND—Clarendon Marble Co.

VIRGINIA.

RICHMOND—Wray Andrew J., 328 S Cherry

WISCONSIN.

MILWAUKEE—Andres Stone & Marble Co., Keefe av & Richards

9576-7—Marble (Rosso Antico)

Farrington F. W. & Co., Henry bldg, Portland, Ore.
Jackson C. D. & Co., (Imp.), 140th & Locust av, New York
Jones Bros. Asbestos Supply Co., Inc. (Roofing Material), 512 2nd, San Francisco, Cal.
Mox Lumber & Wrecking Co., 175 E Jefferson
Spreckels Bros. Commercial Co., Citizens Bank bldg, Los Angeles, Cal.
Stark Davis Co., 188 4th, Portland, Ore.
Whiting-Mead Co., San Diego, Cal.

Marble Sawing Machines

See Stone Sawing Machines

9578— Marble (Serpentine)

Tompkins Kiel Marble Co., 505 5th av, New York
Westfield Marble & Sandstone Co. (Black & Green), Westfield, Mass.

9579— Marble Statuary

Bernieri Ettore N., 703 Market, San Francisco, Cal.
Church Art Work Co., Mt. Vernon, N. Y.
Daprato Statuary Co. (Metal & Composition), 766 W Adams, Chicago, Ill.
Francini C., Lexington av & 35th, New York

9580— Marble (Terrazzo)

Ballard Tile & Marble Co. (Bath Rooms & Sun Porches, etc.), Sioux Falls, S. D.
Tompkins Kiel Marble Co., 505 5th av, New York

9581— Marble (Tinos)

Jackson C. D. & Co. (Imp), 140th & Locust av, New York
Mesker Geo. L. & Co., Evansville, Ind.

9582—Marble (Vert D'Estours)

Jackson C. D. & Co. (Imp), 140th & Locust av, New York

9583— Marble (Wholesale)

See also Marble Importers

Bradbury Marble Co. (Georgia, etc), 4165 Duncan, St. Louis, Mo.
Evans Marble Co., Ranstead Wharf, Baltimore, Md.
Hilgartner Marble Co., 223 N Charles, Baltimore, Md.
Jackson C. D. & Co. (Imp.), 140th & Locust av, New York
Pisani Bros., 315 Vernon av, Astoria (Borough of Queens), New York
Musto Jos. Sons-Keenan Co., 535 North Point, San Francisco, Cal.
Schlichter P. M. & W., 636 1st av, New York
Taber & Co., 444 E 166th, New York
Temple Bros., Rutland, Vt.
Tompkins Kell Marble Co. ("Eastman's," Cream, Green & White), 505 5th av, New York
Vermont Marble Co., Proctor, Vt.

9584-5— Marbles (Playing)

Allbright J. E. Co., Ravenna, O.
Johnston & Sharp Mfg. Co. (Hollow Steel), Ottumwa, Ia.
Murphy Timothy Iron Works, Jacksonville, Fla.

9586—Marine Railway Builders

Devney H. J., Ashtabula, O.
Green Richard T. Co., Boston, 50, Chelsea District, Mass.
Laird & Sons, Ashtabula, O.
Mead-Morrison Mfg. Co., corner Prescott & Orleans, East Boston, Mass.
New London Marine & Iron Works, New London, Conn.

Marine Railways

See Dry Docks & Marine Railways

9587-8—Markers (Button & Button Hole)

Firsching Jos. A., Utica, N. Y.

Markers (Center)

See Punches, Center

9589— Markers (Clap-Board)

Goodell-Pratt Co., Greenfield, Mass.
Smith Otis A., Rockfall, Conn.
Stanley Rule & Level Co., New Britain, Conn.

9590—Markers (Engine & Tail)

Handlan-Buck Mfg. Co. ("Handlan"), 210-214 N 3rd, St. Louis, Mo.

9591—Markers (Poultry, Cattle Etc.)

Cadwallader Thos. ("Champion" Leg Bands), Salem, O.
Dana C. H. (Ear Tags), West Lebanon, N. H.
Keyes-Davies Co. Ltd. (Car Tags), Battle Creek, Mich.
Wilcox & Harvey (Car Tags), 564-572 W Randolph, Chicago, Ill.

9592— Markers (Stock)

Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Stearns E. C. & Co. (For Punching Live Stock), 450 Oneida, Syracuse, N. Y.

9593— Marline (Tarred)

See also Twines

American Mfg. Co., Noble & West, B'klyn, N. Y.
Columbian Rope Co., 3050 Genesee, Auburn, N. Y.
Hanover Cordage Co., Hanover, Pa.
Peter & Guckenberger, 1205 Budd, Cincinnati, O.

9553a— Marquises (Corrugated Wire Glass)

Pensylvania Wire Glass Co., Penna bldg, Philadelphia, Pa.

9594— Marquises (Metal)

Acme Fence & Iron Co., 3502H Lake av, Cleveland, O.
Badger Wire & Iron Works (Steel, Cast Iron), 25th av & Cleveland, Milwaukee, Wis.
Barnum E. T. Wire & Iron Works, 501-23 Cass av, Detroit, Mich.
See adv index at end of book
Bayer A. J. Co., Slauson & Santa Fe aves, Los Angeles, Cal.
Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, Ohio.
See adv index at end of book
Cincinnati Mfg Co., Cincinnati, O.
Crown Iron Wks. Co., 1229 Tyler, Minneapolis, Ind.
Dow Co., 201H N Buchanon, Louisville, Ky.
Ellison Brass Mfg. Co., Jamestown, N. Y.
Fiske J. W. Iron Works, 111 Park pl, New York
Flour City Ornamental Iron Co., 27th st & 27th av, Minneapolis, Minn.
Friedly Voshardt Co., 733H S Halsted, Chicago, Ill.
Gorham Co. Arch'l Bronze (Bronze), 5th av & 36th, New York
Gulfoy Cornice Works, 1234 Howard, San Francisco, Cal.
Halsted Jos. Co., 1233 W Randolph, Chicago
Henry-Bonnard Bronze Co. (Bronze & Iron), 20 Exchange pl, New York
Herzog Iron Works, St. Paul, Minn.
Holzer R. G. (Est. of), 317 Burgundy, New Orleans, La.
International Steel & Iron Co., 1243 Edgar, Evansville, Ind.
Lasar Mfg. Co., 1313 N 16th, St. Louis, Mo.
Mack Iron & Wire Wks., Sandusky, O.
Marshall Blow Pipe Co. (Special Exclusive Dept.) (Metal), 7431 Dubois, Detroit, Mich.
Mesker Geo. L. & Co., Evansville, Ind.
Meyers Fred J. Mfg. Co., Hamilton, O.
Milwaukee Corrugating Co. ("Milcor" All Metal), 35th & Burnham, Milwaukee, Wis.
Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, O.
See adv index at end of book
Pennsylvania Wire Glass Co., Penna. bldg, Phila. Pa. *See adv index at end of book*
Pitt Wm. R. Composite Iron Wks., (Iron & Glass), 548 W 27th, New York
Polachek John Bronze & Iron Co., 476H Hancock, Long Island City, N. Y.
Remppis W. F. Iron Works, 7th & Chestnut, Reading, Pa.
Republic Structural Iron Works Co., 135 E 53d, Cleveland, O.
Richey, Browne & Donald, Flushing av, Maspeth, N. Y.
Schrieber L. & Sons Co., 3869 Ivanhoe, Cincinnati, O.
Smith F. P. Wire & Iron Works, 2340-48 Clybourne av, Chicago, Ill.
See adv index at end of book
Smyser, Royer Co., York, Pa.
Sommerville Iron & Bronze Co., 5641 Butler, Pittsburgh, Pa.
Tiffany Studios, 361 Madison av, New York
TYLER W. S. CO., Marquies, Cleveland, O. *See adv index at end of book*
Verdeckberg Iron & Wire Works Co., 1109 California, Denver, Colo.
Wells Architectural Iron Co., River av & 151st, New York
Western Steel Products Co., Duluth, Minn.
West Side Structural Co., Troy, N. Y.
White J. H. Mfg. Co., 111 N 3rd, Brooklyn, N. Y.
Wis. Iron & Wire Wks. (Cast & Wrought Iron), 1660 Booth, Milwaukee, Wis.

9594a—Martingale Rings (Loops & Dies)

DU PONT E. I. DE NEMOURS & CO. INC., Poughkeepsie Plant (Pyralin), Poughkeepsie, N. Y.
See adv index at end of book
Rubber & Celluloid Products Co. (Celluloid), 56 Ferry, Newark, N. J.

9595— Mashers (Potato)

A. & J. Mfg. Co. ("A. & J."), Binghamton, N. Y.
Blakeslee G. S. & Co. ("Blakeslee"), W 19th & S 52nd av, Cicero, Ill.
Browne & Dowd Mfg. Co. ("Rapid," Masher & Beater), Meriden, Conn.
Cassady Fairbank Mfg. Co. (Perforated, "Buckeye," Wire Spring, etc), 6126 S La Salle, Chicago, Ill.
Estes E. B. & Con, 344 5th av, New York
See adv index at end of book
Goodell Co., Antrim, N. H.
Grey Iron Foundry Co., Reading, Pa.
Hamblin & Russell Mfg. Co. ("Crown," etc, Wire), Worcester, Mass.
Minerva Hardware Mfg. Co. ("3-in-1"), Minerva, O.
Parker Wire Goods Co. (Wire, Wood Handle), Worcester, Mass.
Prouty C. & Co., Eldred, Pa.
Standard Aluminum Co. (Aluminum), Two Rivers, Wis.
Streeter N. R. & Co. ("Sensible"), Rochester, N. Y.
Taplin Mfg. Co., New Britain, Conn.
Timberlake J. B. & Sons (Steel Wire), Jackson, Mich.
Troy Wire Goods Co., Troy, N. Y.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Washburn Co. (Wire Goods Div.) (Wire), 28 Union, Worcester, Mass.
Woods-Sherwood Co. (Wire, Wood Handle), 28 Union, Worcester, Mass.

9596—Mashers (Potato, Wooden)

Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
Chapman-Sargent Co., Piqua, O.
Munising Woodenware Co., Piqua, Ohio
Richardi & Bechtold, Bellaire, Mich.
Sommer John Faucet Co., 30 Morris av, Newark, N. J.

9596a—Masks (Acid or Gas)

AMERICAN LA FRANCE FIRE ENGINE CO., Elmira, N. Y.
American Atmos Corp. ("Atmos"), 105 W 40th, New York
Electric Arc Cutting & Welding Co. (Welding & Cutting), 152-156 Jelliff av, Newark, N. J.
See adv index at end of book
Siebe Gorman & Co. Ltd., Monadnock bldg, Chicago, Ill.
Multi Metal Co., 251 W 19th, New York
Wilson Goggles, Inc. (Acid, Dust & Metal), Reading, Pa.

9597-8—Masks (Base Ball)

Draper Maynard Co., Plymouth, N. H.
Goldsmith's P. Sons, John, Findlay & Charlotte, Cincinnati, O.
Hamblin & Russell Mfg. Co. ("H. & R."), Worcester, Mass.
Jarvis W. B. Co. ("Ty Cobb"), Grand Rapids, Mich.
King Julius Optical Co., 10 Maiden Lane, New York
Parker Wire Goods Co. (Steel Wire), Worcester, Mass.
Peach J. A. ("Peach," Electrically Welded), Gloversville, N. Y.
Rawlings Mfg. Co. ("Rawlings"), 23rd & Lucas av, St. Louis, Mo.
Reach A. J. Co., Tulip & Palmer, Phila., Pa.
Spalding A. G. & Bros., 126 Nassau, New York
Stall & Dean Mfg. Co., Brockton, Mass.
Victor Sporting Goods Co., Springfield, Mass.
Walker C. S. & Co. ("Quick & Easy"), 656 W 12th, Erie, Pa.
Western Sporting Goods Mfg. Co., 126 N Union av, Chicago, Ill.
Wright & Ditson, 344 Washington, Boston, Mass.

Masons' Leads

See Plumb Bobs

Masons' Lines

See Chalk & Masons' Lines

Masons & Builders

See Contractors, Building & General

9599—Masons' & Builders' Materials

For Manufacturers, Consult Index of Contents for Specific Article Required

ALABAMA.

ANNISTON—Paint, glass & Builders' Supply Co.
BIRMINGHAM—Baldwin J. Frank
Barnet Lumber Co.
Carolina Portland Cement Co.
Kirkpatrick Sand & Cement Co.
ENSLEY—Byrum Hardware Co.
HUNTSVILLE—Booth A. M.
Huntsville Lumber & Mfg. Co.
LONGVIEW—Longview Lime Works
MOBILE—Mobile Coal Co.
MONTGOMERY—Montgomery Lime & Cement Co.
MOORE—Handley Hardware Co., Alabama
Southern Building Supply Co.
SHEFFIELD—Marks H.
Sheffield Builder's Supply Co., 2nd & Frankfort av

ARIZONA.

DOUGLAS—Douglas Lumber Co.
PHOENIX—Halstead J. D. Lbr. Co.
Ryder H. W.
TUCSON—Tucson Lumber Co.

ARKANSAS.

FORT SMITH—Dyke Bros.
HELENA—Carvell Herman & Co.
JONESBORO—Barton Lbr. & Brick Co.
Stuck C. A. & Sons
LITTLE ROCK—Arkansas Brick & Mfg. Co.
Leiper G. A. & Co.
OLIVER—Thomas-Huycke Co.

CALIFORNIA.

ALAMEDA—Powell Bros., Inc., 2008 Pearl
Rhodes Jamieson Co.
BAKERSFIELD—Bakersfield Sandstone Brick Co., Sonora & Eureka
Moron Lumber Co., 33rd & Chester av
Pioneer Mercantile Co.
BERKELEY—Contra Costa Bldg. Material Co., Oregon & Shattuck av
Foss F. W. Co.
CHULA VISTA—Duralite Co., Inc.
DALY CITY—Smith Hugh H.
EUREKA—Bayside Lumber Co.
FRESNO—Deacon R. O., Inc., 1810 Los Angeles
Fresno Marble & Tile Co., 1357 J
Fresno Rock Products Co., Bank of Italy bldg
Grant Rock & Gravel Co., Cory bldg
Kellner M. & Sons, R & Ventura

King-Johnson Co. (Specialties), Brix bldg
Kyle & Co., Inc., 333 G
McMullin C. E., 165 B'way
Maisler Bros., 2244 Railroad av
Pierce C. S. Lumber Co.
Prescott Brick & Lumber Co., Rowell bldg
Routt Lumber Co., 2011 Tyler
Swatika Lumber Co., 102 O
Valley Lumber Co.
LONG BEACH—Dealherage & Lyon, 1190 Ocean av
LOS ANGELES—Bishopric Mfg. Co. of Cal., 614 E 62nd
Blue Diamond Materials Co. Inc. ("Blue Diamond"), 2200 E 16th
Brown H. W., 1200 E 28th
California Moulding Co., 1306 W 58th
California Panel & Veneer Co., 955 S Alameda
Cane Paint Co., 329 E 9th
Continental Building Specialties, Hibernian Bank bldg
Eastman Geo. L. Co., 1111 Highland av
Ganahl C. Lumber Co.
Grand Canyon Lime & Cement Co.
Graves F. Sash, Door & Mill Co., 2000 Pasadena av
Hammond Lumber Co., 2010 S Alameda
Holland-American Tile Co., 1660 E 38th
Koll H. W. & Co. (Wall Boards, Doors & Panels), 432 Clayton
Lea W. C. (Specialties), 653 S Clarence
Los Angeles Lime Co., 1522 Bay
Pacific Builders Supply, 331 E 4th
Pacific Plaster Co., 1701 W Slauson av
Patten & Davies Lumber Co., 521 E 5th
Peck Frank R. (Specialties), 308 E 4th
Plastone Co., 461 E 3rd, Los Angeles, Cal.
Union Rock Co., 1403 E 16th
Waterhouse-Wilcox Pacific Co. (Specialties), 331 E 4th
Whiting-Mead Co., 415 E 9th
MERCED—Merced Lbr. Co.
MODESTO—Modesto Lumber Co.
Stanislaus Lumber Co.
Ward Lumber Co.
OAKLAND—Builders Service & Supply Co., 306 13th
Contractors & Builders Supply Co., ("Zumbro"), 1403 5th
Fornercrete Aggregate Co., 4356 Clement
Rhodes-Jamieson & Co., Broadway Wharf
PASADENA—Blinn L. W. Lumber Co.
Kerckhoff—Cuzner Lumber Co.
Throop Geo. L. Co., 223 W Holly
Van Sittert Hardware Co., 33 S Raymond av
West & Co., 45 S Raymond av
PETALUMA—Kahn A.
RED BLUFF—Holt & Gregg Co.
RIVERSIDE—Cresmer Mfg. Co., Inc., 170 E 8th
Martin Karl & Co., 600 W 7th
Smith-Grubbs Co.
SACRAMENTO—Kreuzberger Bartie
SAN DIEGO—Bailey W. J. Co.
Schirm J. S. Commercial Co.
SAN FRANCISCO—Atlas Mortar Co., 58 Sutter
Builders Supply Depot, 42 Eighth
Cassaretto John, 345 Berry
Civic Center Supply Co., 603 Octavia
Coast Rock & Gravel Co., Call bldg
Cowell Henry Lime & Cement Co., 2 Market
Dolan Daniel J., 1643 Market
Fernald Co., 275 Natoma
Gillon Edward E., 3944 Geary
Golden Gate Bldg. Material Co., 540 8th
Hammond Lumber Co., 260H California
Hayden K. M., 22 Battery
Holmes Lime & Cement Co., Postal Tel. bldg
Jones Bros. Asbestos Supply Co., Inc. (Carey Products), 512 2nd
King Lumber Co., Merchants Exchange bldg
Lennon James E. Lime & Cement Co., 352 Church
Lomax, Walter B., Monadnock bldg
McNear Brick Agency, Monadnock bldg
Mushet W. E. Co., 700 2nd
National Fibreform Co., 16th & Arkansas
Niles Sand Gravel & Rock Co., 704 Market
Norris L. A. Co., 140 Townsend
Pacific Lime & Praster Co., 58 Sutter
Pacific Materials Co., 525 Market
Pratt Building Material Co., Hearst bldg
Wetenhall W. S. Co., 17th & Wisconsin
Pacific Portland Cement Co., Cons'd Pacific bldg
United Materials Co., H Sharon bldg
Valley Lumber Co., 110 Market
Western Builders' Supply Co., 135 2d
Western Fuel Co., 430 California
Western Lime & Cement Co., Postal Telegraph bldg
Waterhouse-Wilcox Co., 523 Market
Wetenhall W. S. Co., 17th & Wisconsin
SAN JOSE—Builders Service & Supply Co., Inc., 76 E San Fernando
McKee Geo. B. Co., 2nd & San Fernando
SANTA ANA—Pendleton Lumber Co.
SANTA BARBARA—Union Mill Co.
Eastman Geo. L. Co.
SANTA ROSA—Berka F.
STOCKTON—Ferrell F. E. & Co., 730 S California
Stockton Ice & Fuel Co., 33 S El Dorado
Yolland Ice & Fuel Co., El Dorado & Channel
WATSONVILLE—Pajaro Valley Mercantile Co.

COLORADO.

ASPEN—Tomkins Lewis H. Hardware Co.
DENVER—Barrows Geo. A. Lime Co., 1701 13th
Colorado Lime & Fluxing Co., 321 McPhee, Empire bldg
Fisher Francis J., 2363 Blake
Fleming Bros. Lumber Co., 735 B'way
Hallack & Howard Lumber Co.
McPhee & McGinnity Co.
Rocky Mountain Fuel Co., Temple Court bldg
Threewit Benj. F.
LEADVILLE—Harvey John Fuel & Feed Co.
Williams Lumber Co.
PUEBLO—Newton Lumber & Investment Co.
RED CLIFF—Fleming Lumber & Merc Co.
ROCKY FORD—English R. W. Lumber Co.
TRINIDAD—Davis O. L. Lumber Co.

CONNECTICUT.

BERLIN—Merwin C. P. Brick Co.
BRIDGEPORT—Burns Co., 480 Lindley
Hannan F. H. Supply Co., 310 Brnm av
Miller Frank Lumber Co., 156 E Washington av
Silliman & Godfrey Co.
Wheeler & Howes, Cong. St. Bridge
BRISTOL—Judd Coal Co.
Saxton & Strong
BROOKFIELD—New England Lime Co.
DANBURY—New England Lime Co.
Osborne A. C.
Peck-Burkett Lumber Co.
DANIELSON—Young Bros.
DERBY—Hollock F. Co.
GREENWICH—Brush Joseph
Maher Bros. Corp.
Putnam H. E.
JEWETT CITY—Chapman & Tripp
LAKEVILLE—Spurr E. W. Co
MERIDEN—Lines H. Wales Co.
Lyon & Billard Co.
MIDDLETOWN—Davis L. O. & E. S.
MILFORD—Smith D. E.
NEW BRITAIN—City Coal & Wood Co.
Hibbard B. H. Co.
NEW CANAAN—Weed & Duryea Co.
NEW HAVEN—Conn. Adamant Plaster Co., 10 River
Howard Co.
Warner-Miller Co., 135 S Front
NEW LONDON—Marquardt Bros.
NEW MILFORD—Beach C. M. Co.
Soule Turney
NORWALK—Bishop & Lymes
NORWICH—Chappel Edw. Co.
Peck, McWilliams & Co.
PORTLAND—Strong & Hale Lumber Co.
PUTNAM—Fox Jno. O. & Co.
Kinney Myron & Son
Wheaton Building Lumber Co.
ROCKVILLE—Hill Geo. W.
ROXBURY STATION—Hodge A. L. & Son
SEYMOUR—Beach A. Y.
Harris, William
Seymour Commercial Co.
SHELTON—Clark D. N.
SOUTHINGTON—Southington Lumber & Feed Co.
SOUTH NORWALK—Hatch & Bailey Co.
Meeker Coal Co.
SOUTHPORT—Northrop Bros.
STAMFORD—Bounty A. E. Co.
Stamford Masons' Supply Co.
TORRINGTON—Hotchkiss Bros. Co.
Torrington Building Co., Inc.
WALLINGFORD—Gallagher Bros.
Chatfield Geo. S. Co.
Chatfield & Chatfield
Gaffney John W. & Son
McManus Edw.
Tracy Bros. Co.
WATERTOWN—Atwood C. W.
WILLIMANTIC—Hillhouse & Taylor
Lincoln & Boss Lumber & Coal Co.
Willimantic Lumber & Coal Co.
WINDSOR LOCKS—Bidwell F. S. Co.
WINSTED—Bronson Bros.
Burwell J. C.

DELAWARE.

GEORGETOWN—Thoroughgood Co.
NEW CASTLE—Eliason J. T. & L. E.
NEWPORT—Justis J. G. Co.
WILMINGTON—Conly Bros.
Pyle Victor R. Co.
Warner Chas. Co. (Lime Mfrs., Wholesale & Retail), I. O. O. F. bldg.

DISTRICT OF COLUMBIA.

WASHINGTON—Barker Geo. M., 649 New York av, N W
Hartig Louis 1001 7th N W
Hughes Geo. J. & William, 2124 Eye NW
National Mortar Co., 101 M, N E
Pennsylvania Bldg. Supply Co., 2124 Eye NW

FLORIDA.

DAYTONA—Maley R. S.
EAU GAILLE—East Coast Lumber & Supply Co.
GAINESVILLE—Baird Hdw. Co.
JACKSONVILLE—Baker & Holmes Co.
Carolina Portland Cement Co.
Gill & Mulholland
Jacksonville Concrete Products Co., 630 Riverside av
Logan Coal & Supply Co.
Marshall & Spencer Co.
KEY WEST—Curry's Wm. Sons Co.
MIAMI—McDonald J. A. Co.
Tower Hardware Co. (Sash, Door, Blind, etc.)
ORLANDO—Bumby Jos. Hardware Co.
PALATKA—Kennerly Hdw. Co.
Merryday Grocery Co.
PENSACOLA—Cary & Co.
ST. AUGUSTINE—Hambien C. F.
TAMPA—Knight & Wall Co.
Phillips I. W. & Co.
WEST PALM BEACH—Dade Lumber Co.
Lainhart & Potter

GEORGIA.

ALBANY—Stokes W. A., 109H Pine
ATHENS—Athens Hardware Co.
ATLANTA—Carolina Portland Cement Co.
Kriegshaber V. P., 227 Peachtree
Pardee Robert McKnight, 140 Peachtree
Randall Bros. Peters bldg.
Sciple Sons
AUGUSTA—McDaniel A. H.
Peoples Lumber & Supply Co.
Toole W. B.
BRUNSWICK—Coney & Parker Co.
United Supply Co.
CARTERSVILLE—Ladd Lime & Stone Co.
CEDARTOWN—Hall & Barr
COLUMBUS—Beach Wm. Hardware Co.
Bush C. P. Hardware Co.
Cooper Lumber Co.
Dudley Sash, Door & Lumber Co.
Elledge & Norman Marble Co.
Harvey W. T. Lumber Co.
Philips Hdwe Co., Dept H.
COMER—Gholston Bros.
COMMERCE—Commerce Brick & Lumber Co.
CONYERS—Still W. R.
CORDELE—Cordele Sash, Door & Lumber Co.
Hutchinson Lumber & Supply Co.
CORNELIA—Ellard W. B.
CRAWFORDSVILLE—Golucke C. H. & Son
DALTON—Cherokee Mfg. Co.
Farrar Lbr. Co.
DAWSON—Shields-Geise Lumber Co.
FITZGERALD—Graham F. M. & Co.
FLOVILLA—Linch T. O.
HARTWELL—Alford D. C.
HAWKINSVILLE—Blount J. J.
LAWRENCEVILLE—Williams Lumber Co.
LITHONIA—Almond A. J.
McDONOUGH—Carmichael Lumber Co.
MACON—Builders' Lumber & Supply Co.
Burke T. C.
Elder W. F. Lumber Co.
Macon Supply Co., 7th & Mulberry
Massee & Felton Lbr. Co.
Willingham Sash & Door Co.
MANCHESTER—Corley J. P. Lumber Co.
MOUNTVILLE—Fuller J. D.
ROME—Marshall Mfg. Co.
ROYSTON—Jordan R. P. & Son
SASSER—Varner J. M.
Bremer W. J.
Butler J. G. Bldrs. Supply Co., 24 Congress W.
Chapman-Clark Co.
General Building Supply Co.
Neal-Blun Co.
STATESBORO—Franklin A. J.
THOMASVILLE—Dillon J. W.
Evans & Son
THOMSON—Kendrick J. H. & M. B.
United Supply Co.
WARRENTON—Morris J. T.
WESTPOINT—Batson-Cook Co.
WINDER—Young W. E.
WOODSTOCK—Robertson J. T.

IDAHO.

BOISE—Ridenbaugh W. H.
IDAHO FALLS—National Park Lumber Co.

ILLINOIS.

ALEDO—Carroll Guy H.
ALTON—Miller Lime & Cement Co.
ASHKUM—Comstock C. H. & Co.
AURORA—Aucutt Bros.
Brown H. D. & Co.
Dalton J. D. & Son
Hanna & Todd
McCredie James
Seamans S. D.
White & Todd
BARRINGTON—Lageschulte & Hager
Lamey & Co.
BATAVIA—Alexander Lumber Co.
Barker W. P.
BEAVERVILLE—Lambert H. Co.
BELLEVILLE—Blen & Peters
Reeb Bros.
BELVIDERE—Wright O. H. & Co.
BEMENT—Wilkinson A. L. & Co.

(Continued on following page)

Masons' & Builders' Materials—Cont.

ILLINOIS—Continued

BLOOMINGTON—Harwood W. S. Lumber & Coal Co.
Parker Bros.
White Sam'l R. Mfg. Co.
BUSHNELL—Simpson James C. & Co.
CAIRO—Halliday H. H.
Langan P. T. Lumber Co.
CARLINVILLE—Woodward C. T.
CARROLLTON—Widdowson J. M.
CARTHAGE—Helfrich N. J. & Co.
Lyon W. E. & Co.
CATLIN—Jones A. Sons
CHAMPAIGN—Stipes & Hecker
CHANDLERVILLE—Goodell Skiles Lumber Co.
CHARLESTON—Fuller Bros.
CHATSWORTH—Walter Geo. J.
CHICAGO—Artesian Stone & Lime Works Co., Grand & Campbell avs
Atlas Portland Cement Co. (Mfrs.), 134 N La Salle
Blocki-Brennan Refining Co., 3300 W 31st
Bonner & Marshall Brick Co., 133 W Washington
Calumet Coal & Teaming Co., 9022 Commercial av
Celite Products Co. (Insulating), 53 W Jackson blvd
Chicago Fire Brick Co., 133 W Washington
Chicago Portland Cement Co. (Cement Mfrs.), 111 W Washington
Chicago Union Lime Works Co., 1900 W 19th
Dee Wm. E Co. (Sewer Pipe), 30 N La Salle
Druecker N. J. & Co., 2634 N Artesian av
Frerk Henry Sons, 3135 Belmont av
Garden City Sand Co., Chamber of Commerce bldg
Hopkins H. H., 1720 Fulton
Marblehead Lime Co., 159 N State
Moulding Thos. Brick Co., 1203H Cham. of Commerce
Moustgaard M., 2016 N Kostner av
North West Material Co., 3690 Milwaukee, W
Richardson Sand Co., 133 W Washington
Rockwell Lime Co., 133 W Washington
Rosing Astrid S., 111 W Monroe
Standard Material Co., 607 W 66th
Stearns Lime & Stone Co., 105 S La Salle
Templeton Lime Co., 1019 N Homan av
Tobin T. M. & Bros. Co., 9326 S Chicago av
Universal Portland Cement Co. (Mfrs.), 208 S La Salle
Williams N. A. Co. (Sewer Pipe, etc), 133 W Washington
Wisconsin Lime & Cement Co., 133 W Washington
CHICAGO HEIGHTS—Leising Jos. F. & Co.
CICERO—Cicero Fuel & Building Material Co.
CLINTON—Kent E. & Co.
DANVILLE—Danville Lime & Cement Co.
Hill Frank L.
Holden N. E.
Swisher S. P.
Trent Bros.
DECATUR—Decatur Bldrs.' Supply Co.
Decatur Lumber & Mfg. Co.
Lyon G. S. & Sons Lumber & Mfg. Co.
Macknet Dan. C.
Swisher L. Lumber Co.
DIXON—Wilbur Lumber Co.
EAST ST. LOUIS—Flannery P. & Son, State & Belt Line
Hill-Thomas Lime & Cement Co.
EDWARDSVILLE—Hotz Lumber Co.
ELGIN—Adams Fred M.
Bosworth F. S. & Son
Geister Bros.
McBride T. & Son
EL PASO—McKinney & Co.
EVANSTON—Evanston Bldg. Matl. Co.
FAIRFIELD—Fairfield Lumber Co.
FLANAGAN—Litchfield Bros.
FREEPORT—Brubaker B. F.
FULTON—Snyder J. C.
GALESBURG—Hinchliff Lumber Co.
Simpson & McClure Lumber Co.
Terry W. E. Lumber Co.
GALVA—Houghton E. W. Lumber Co.
GRANITE CITY—Granite City Lime & Cement Co.
GRAYSLAKE—Wilbur F. C., Lumber Co.
GREENFIELD—Entrekin J. H.
GREENVIEW—Tripp Bros.
HAMPSHIRE—Kirchoff Bros.
HARVARD—Hall W. D.
Lake-Harris
HIGHLAND PARK—Middleton & Clark
HIGHWOOD—Highwood Mfg. Co.
HINCKLEY—Pogue Lumber Co.
HOOPESTON—Illinois Lumber, Grain & Coal Co.
HUME—Lyons Lumber Co.
JACKSONVILLE—Andrews Bros.
JOLIET—Buck Werden
Hayes A. W.
Patterson T. H. (Est. of)
KANKAKEE—Kankakee Tile & Brick Co.
Ruhle Christian
KEWANEE—Johnston Lumber Co.
KEYESPORT—Langham Wm.
LANARK—Wilbur Lumber Co.
LA SALLE—Elliott Hayden & Co.
Hunter, Stevens & Co.
LEMONT—Derby S. L.
LINCOLN—Spellman & Co.
LOAMI—Baker George W.
McLEAN—Dodgson L. P. & Son
MENDON—Nutt Walter J. Lumber Co.
METROPOLIS—Gibbons A. J.
MILFORD—Jones Bros.
MINONK—Kipp A. B. & Co.
MOLINE—Mueller Lumber Co.
Wood's Beder Sons Co.
MONMOUTH—McCullough Lumber & Coal Co.
MONTICELLO—Lodge W. F.
MORRISON—Potter M. H. & Sons
MOUNT CARROLL—Rhodes Bros.
MOUNT MORRIS—Clevidence A. E.
NASHVILLE—Welhe W. O.
NEWMAN—Thomas H. L.
NORTH CRYSTAL LAKE—Wilbur Lumber Co.
OAK PARK—Davis W. G. Coal Co.
Suburban Coal & Supply Co.
PARIS—Risser A. & Co.
Logan John A. & W. B.
Logan William S.
Propst Lumber Co.
PEKIN—Conklin Reuling Co.
Lampitt Ed. F.
PEORIA—Mackemer J. W. & Co.
Miller Jos. & Sons
Peoria Builders' Supply Co.
Peoria Fuel Co.
Wasson T. J.
PERU—Maze W. H. Co.
Zimmermann Christian & Co.
PONTIAC—Smith F. N.
PORT BYRON—Port Byron Lime Ass'n
PRINCETON—Davis & Hopkins Lumber Co.
QUINCY—Heidemann Lumber Co.
Meyer W. D.
Quincy Lumber Co.
ROCK FALLS—Johnston Lumber Co.
Smith & Grater
ROCKFORD—Bartlett A. L. Co.
Parsons Lumber Co.
Rockford Builders' Supply Co.
Rockford Lumber & Fuel Co.
Safford G. N. & Co.
Skandia Coal & Lumber Co.
ROCK ISLAND—Mueller Lumber Co.
Port Byron Material & Fuel Co.
Rock Island Sand & Gravel Co.
SANDWICH—Lindner P. S. & Co.
Mosher & Castle
SPRINGFIELD—Irwin H. C.
Schuck J. H. & Son
Vredenburgh Peter Lumber Co.
STERLING—Dillon Moses Co.
Simpson J. C. & Co.
Stoeckle W. A.
STREATOR—Ames J. C. Lumber Co.
Anthony Mark
Schlachter Phillips, Jr.
Streator Lumber Co.
Williams Hardware Co., 113H Vermillion
SYCAMORE—Holcomb Bros.
North Side Lumber Co.
URBANA—Huff S. E. & Co.
Stipes & Hecker
UTICA—Utica Hydraulic Cement Co.
VERMILION—Hornberger J. A. & Son
WARREN—Taylor C. F.
WATERMAN—Pogue Lumber Co.
WHEATON—Sutcliffe's John Sons
Wheaton F. E. & Son
WOODLAND—Anderson James E.

INDIANA.

ALEXANDRIA—Brannum Lumber Co.
ANDERSON—Bailey J. W. & Co.
Vernon E. G. & Son
ANGOLA—Shank Daniel Lumber Co.
AUBURN—Auburn Lumber Co.
Brandon Lumber Co.
BLOOMINGTON—Bloomington Coal Co.
Hughes Bros. Co.
BOONVILLE—White C. P. Lumber Co.
BRAZIL—Halsted J. N. Lumber Co.
BROOK—Brook Building & Supply Co.
BROOKVILLE—Masters J. H. & Son
CARLISLE—Risinger Thomas S.
CICERO—Cicero Lumber Co.
COLUMBIA CITY—Kessler S. E.
COLUMBUS—Dunlap & Co.
Hege & Co.
CRAWFORDSVILLE—Binford Joseph & Sons
DECATUR—Kirsch, Sellemeyer & Sons Co.
EARL PARK—Wilbur Lumber Co. (See Milwaukee, Wis.)
EAST CHICAGO—Flack Bros.
ELKHART—Consumers Coal & Supply Co
Godfrey B. C. & Sons
Sanders Coal Co.
ELWOOD—Winters Lumber Co., 220 N Water
EVANSVILLE—Baird's L. M. Sons
Sonntag Geo. W., 226 2nd av
FAIRMOUNT—Mercer, Brannun & Bevington Co.
FORT WAYNE—Baltes E. M. & Co.
Fort Wayne Builders' Supply Co.
Moellering's Wm. Sons
GOSHEN—Davis C. A. & Son
Neidig Chas. B.
GREENSBURG—Pulse & Porter
GUILFORD—Taylor T. S.
HAMLET—Dye Lumber Co.
HAMMOND—Beckman Supply Co.
Bieker Bros. Co.
HEBRON—Wilson John
HOBART—Bash C. E. & Co.
Shearer & Emery
HUNTINGTON—Bash C. E. & Co.
Ohio & Western Lime Co.
INDIANAPOLIS—Aldag F. W. Co., E Washington & Belt
Bennet W. S. & Co., 50th & Monon
Consolidated Indiana Coal Co., Merchants Bk. bldg.
Dell Frank M., 4285 N Meridian
Dunning Carl Supply Co.
General Builders Supply Co.
Goepper Fred, 343 N Holmes av
Indianapolis Coal Co., 234 Bankers Trust bldg
Indianapolis Mortar & Fuel Co., 407 Odd Fellow
Irvington Coal & Lime Co., 5643 Bonna av, Irvington
Keeport A. B. & Co., N Senate av
Meyer A. B. & Co., 1544 Hoyt av
Vonnegut Hardware Co. (Roofing & Paper), 120 E Washington
Wilkinson Allen A. Lumber Co.
KNOX—Long-Thompson Co.
KOKOMO—Ellis Bros.
Tate Geo. D. & Son
LAFAYETTE—Lyman Harry B.
LA GRANGE—Stroup P. N. & Co.
LAPORTE—Moore & Richter Lumber Co.
Van Kirke John P.
Wilson W. Lumber Co.
LAWRENCEBURG—Barrott E. & Son
Lawrenceburg Lumber Co.
LEWISVILLE—Smith R. R. Sons
LINTON—Wilkinson Allen A. Lumber Co.
New Union Lumber Co.
LOGANSPORT—Barnes Jas. I.
Dilley Clinton L. Co.
Stalnaker W. S.
LOWELL—Wilbur Lumber Co.
MADISON—Miller W. H. & Sons
MARION—Byrd Lumber Co.
Marion Hardware Co.
Simpson William S.
Southall Geo. A. & Co.
MARTINSVILLE—Rutledge Hugh E.
MICHIGAN CITY—Gotto O. W.
Michigan City Lumber & Coal Co.
MISHAWAKA—Lowe Lbr. Co., H. S. Main bldg
MITCHELL—Mitchell Lime Co.
MONROE—Berne Lumber Co.
MORGANTOWN—Mitchell W. H.
MUNCIE—Holderfield Supply Co.
Muncie Builders' Supply Co.
NEW ALBANY—Slider E. T.
NEW HAVEN—New Haven Lumber & Supply Co.
NORTH LIBERTY—North Liberty Lumber & Coal Co.
NORTH VERNON—N. V. Lumber Co.
PERU—Goodall J. B. & Sons Co.
Peru Lumber Co.
Wilkinson Pomeroy
PETERSBURG—Drof Peter
PLYMOUTH—Morris C. L.
O'Keefe Lumber Co.
RENSSELAER—Day Hiram
Rensselaer Lumber Co.
RICHMOND—Hackman, Klehfoth & Co.
Jones Hardware Co.
Mather Bros. Co.
ROCHESTER—Barcus G. F.
ROCKFIELD—Van Gundy & Thomas
ROCKPORT—Partridge C. M. & W. A.
ROCKVILLE—Dooley Hardware Co.
Roach Wm.
ROSEDALE—Ferguson & Hunt
SHELBYVILLE—Parrish J. O. Lumber Co.
SHERIDAN—Palmer George H.
SOUTH BEND—Defrees C. H.
Eckler Henry Mfg. Co.
Lontz S. C. & Sons
McErlain & Jackson Co.
Staples-Hildebrand Co.
SOUTH WHITLEY—Lee Geo.
SUMMITVILLE — Cartwright Thomas Edgar
Bray Bros.
Reiman Lime & Cement Co.
TOPEKA—Priest J. W.
UNION CITY—Fisher S. J.
Haselmire John J.
Interstate Building Material Co.
VALPARAISO—Dille & Harris
McFetrick Lumber & Coal Co.
VEVAY—Detraz Bros.
VINCENNES—Bosworth M. A. Lumber Co.
WABASH—Smith Hubbard Lumber Co.
Yarnelle Lumber & Coal Co.
WANATAH—Pash Martin
WARREN—Cline Lumber Co.
WINGATE—Hunter W. H.
WOODBURN—Woodburn Lumber Co.

IOWA.

ACKLEY—Frudden Lumber Co.
BURLINGTON—Ellis Lumber Co.
Phillips Lime & Coal Co.
Rand Lumber Co.
CEDAR RAPIDS—Fulkerson J. C.
Hawkeye Lumber & Coal Co.
Iowa Bldrs.' Supply Co., 710H Higley bldg.
Iowa Stone Co.
King's Crown Plaster Co.
Linn County Lumber & Coal Co.
CHARITON—Stewart G. J. & Co.
CHEROKEE—Weart & Lysaght Co.
CLARINDA—Richardson G. W.
COLUMBUS JUNCTION—Reaney & Ellason

COUNCIL BLUFFS—Bluffs City Lumber & Coal Co.
Hafer C. Lumber Co.
Hoagland Geo. A.
Quinn H. A. Lumber Co.
CRESTON—Green Bay Lumber Co.
DAVENPORT—Abel Lime & Cement Co.
Block W. G. Co.
Builders' Lime & Cement Co.
Denger Fred
Mueller Lumber Co.
Seiffert H. O. Lumber Co.
DES MOINES—Coon River Sand Co., 308 9th
Cram Frank & Sons
Des Moines Building Material Co.
Des Moines Fuel & Lime Co.
Green Bay Lumber Co.
Jewett Lumber Co.
FAIRFIELD—Cable G. W., Jr.
FORT DODGE—Conway Lumber Co.
Mason & O'Connell
Williams E. H. Lumber Co.
GRAND JUNCTION—Modern Constr. Co., Dept H.
IOWA CITY—Leinbaugh W. F.
IOWA FALLS—Miller-Lampert Co.
KEOKUK—Cameron's Jas. Sons
LE MARS—Moore M. A. Co.
LYONS—Disbraw M. A. & Co.
MARSHALLTOWN—Buchwald Chas. A. Lumber Co.
Citizens Lumber Co.
Gregory Coke Coal & Lime Co.
NEW HAMPTON—Bigelow, Donovan & Hettler
NEWTON—Jasper Lumber Co.
OSKALOOSA—Gilchrist M. D.
OTTUMWA—Tisdale Lumber Co.
SIOUX CITY—Everist L. C. Inc.
McNeil H. C. & Son
Webb Bros Co.
SPENCER—Floete Lumber Co.
WATERLOO—Bartlett & McFarlane
Bryant W. A. & Sons Co.
Canfield Lumber Co.
Chapman C. W. Lbr. Co.
Moore & Moore
Shepherd Lumber Co.
Waterloo Lbr. Co.
WEST UNION—Graham & Schenck

KANSAS.

ATCHISON—Carlisle-Pennel Lumber Co.
CLEBURNE—Toburen & Co.
ELLSWORTH—Lake Superior Lumber Co.
EMPORIA—Emporia Lumber & Coal Co.
FULTON—Fulton Lumber Co.
HAYS—Schwaller's C. Sons
HOLTON—Brown & Hedge
HUMBOLDT—Osborn J. H. Lumber Co.
HUTCHINSON—Hutchinson Lbr. & Planing Mill Co.
White L. J. Lbr. Co.
IOLA—Klein Paul
Northrup Lbr. Co.
JUNCTION CITY—Geary County Lumber Co.
Moses, Geo. C. & Son
KANSAS CITY—Badger Lumber Co.
Wyandotte Coal & Lime Co.
LEAVENWORTH—Geiger A. M. Cement Co.
McPHERSON—Lake Superior Lumber Co.
Sudendorf H. H.
NEWTON—Newton Lumber Co.
Swartz S. M. Lumber Co.
OBERLIN—Foster Lumber Co.
OLATHE—Hodge Bros.
OTTAWA—Halloren J. Lumber Co.
Harris M. R.
PARSONS—Clark & Bates Lumber Co.
PHILLIPSBURG—Smith Theo. & Son
SALINA—Eberhardt Lumber Co.
Leidigh & Havens Lumber Co.
Sudendorf H. H.
STERLING—Fair D. J. Lumber Co.
Quigley W. M.
TOPEKA—Capital City Vitrified Brick & Paving Co.
VALLEY FALLS—Legier, Mell & Son
WALTON—Moorhead A. R.
WAVERLY—Star Grain & Lumber Co.
WELLSVILLE—Star Grain & Lumber Co.
WICHITA—Rounds & Porter Co.
Turner J. H.

KENTUCKY.

ASHLAND—Ashland Cement Construction Co.
Ohio Valley Mill & Supply Co.
COVINGTON—Kenton Supply Co.
Spinks T. W. Co.
DAYTON—Walter Anton Supply Co.
GLASGOW—Dickinson Bros.
LEXINGTON—Des Cognets Louis & Co.
Hendricks-Moore Co.
Justice F. T. & Co.
LIVERMORE—Atherton G. W.
LONDON—London Mfg. Co.
LOUISVILLE—Bannon P. Pipe Co.
Kentucky Wall Plaster Co.
MADISONVILLE—Ruby Lumber Co.
NEWPORT—Allen M. M. Supply Co.
OWENSBORO—Guenther Hardware Co.
PADUCAH—Barry & Henneberger
Katterjohn F. W. Cons. Co.
SHELBYVILLE—Gruber & Doss
Hall & Chowning
Hall & Crume
VANCEBURG—Cox John & Son
VERSAILLES—Berryman C. M.
Wooldridge Bros.

LOUISIANA.

BOGALUSA—Bogalusa Mill & Supply Co.
BREAUX BRIDGE—Begnaud J. W.
BUNKIE—Haas W. D. & Co.
DONALDSONVILLE—Lemann B. & Bro.
HAMMOND—Spencer L. D.
JENNINGS—Clarke Chas. A.
LAFAYETTE—Mouton Lumber Co.
LAKE CHARLES—Buck H. E. Brick Mfg. Co.
LECOMPTE—Wiley E. W., Jr.
MONROE—Monroe Brick & Builders Supply Co.
Monroe Hardware Co., Ltd.
Southern Grocer Co. (Ltd.)
MORGAN CITY—Dalton Jno. Co. (Ltd.)
Loeb Leopold & Sons
NEW ORLEANS—Carolina Portland Cement Co., Clara & Erato
Clarke J. J. Co., Ltd., 1111 Julia
Demourelle Jas. & Sons, 1035 Toulouse
Feitel M. House Wrecking Co., 3700 Tulane av
Ford F. Codman, 733 Union
Garnier Emile, 1661 N Robertson
Jahncke Service, Inc., 814 Howard
Judlin Peter, 2331 N Ramport
Kearny J. Watts & Sons, 514 S Peters
Kracke & Flanders Co., 319 Julia
Orleans Demolishing Supply Co., 411 W Ramport
Prados Henry J. & Son, 1426 Hospital
Roca Joseph V. Lumber & Hardware Co., 1533 Carondelet Wlk
Thompson Edward, 916 Thayer
Tupper Allen, 625 S Peters
Woodward, Wight & Co. Ltd., Howard av & Constance
Zimmermann Building Specialty Co., (Ltd.), 2131 Magazine
SHREVEPORT—Ardis & Co. (Ltd.)
Builders Supply Co.
Henderson W. K. Iron Works & Supply Co.
Hicks Co. (Ltd.)
Lee Hardware Co. (Ltd.)

MAINE.

AUGUSTA—Purinton Bros. Co.
BANGOR—Cassidy Jno. & Son
Dunning R. B. & Co.
Eastern Cement Co.
BATH—Nichols Read Co.
BELFAST—Cooper & Co.
BENTON STATION—Brown, J. E.
BIDDEFORD—Banks Bros.
BLUE HILL—Westcott W. B.
CAMDEN—Camden Lumber Co.
CUMBERLAND MILLS—Goff E. W.
HALLOWELL—Wingate Frank S.
LEWISTON—Hall & Knight Hardware Co.
Hayes J. L. & Co.
OLDTOWN—Dickey H. M.
Old Town Supply Co.
PORTLAND—Chase Charles S. Co., 40 Union
ROCKLAND—Glover W. H. Co.
Spear F. R.
ROCKPORT—Bryant Edw. Co.
WATERVILLE—Flood Geo. S. & Co.
WESTBROOK—Brooks E. S.

MARYLAND.

ANNAPOLIS—Gardiner W. B. Co.
Martin C. W. Co.
Parlett & Partlett Co.
BALTIMORE—Bullock John S. Lime & Cement Co., Westwood & Whitmore av.
Eareckson Wm. M., 814 N Stricker
Eastern Supply Co., Phila. rd & 8th
Elenbrok Caroline, 2104 Fkd. av.
Franklin Contracting Co., 2425 Greenmount av
Gault Wm. A. & Son, 9 E Lexington
Green Robert S., 3232 Frkd. av ext
Hudson Cement & Supply Co., Westwood & Whitmore av.
National Building Supply Co., North av & Oak
N. Eastern General Supply Co., 1001 N Patterson-Park av
Shemer S., 1431 Eastern av
Spengemann Bros., 804 N Central av
BEL AIR—McComas Bros.
BROOKLYN—Geis Jno. H. & Co.
EASTON—Dixon Robert B. & Co.
ELLICOTT CITY—Talbott E. A.
FREDERICK—Maryland Brick & Supply Co.
HAGERSTOWN—Cushwa Victor & Sons
LAUREL—Shaffer C. F. Lumber Co.
Waters Geo. W. Co.
WILLIAMSPORT—Cushwa Victor & Sons

MASSACHUSETTS.

ARLINGTON—Pierce & Winn Co.
ATHOL—Paige C. F. & Co.
ATTLEBORO—Ashley M. F. & Co.
Carpenter Coal & Lumber Co.
BEVERLY—Harrigan John J.
New England Fuel & Transportation Co.
BOSTON—Berry & Ferguson, 159 Devonshire
Boston Building Materials Co., 370 Albany
Bryant Edw. Co., 23 Central
Curtis & Pope Lumber Co., 733 Massachusetts
Eastern Clay Goods Co., 141 Milk
Fiske & Co., 30 Franklin
Lewis D. W. Co., 120 Milk
Mullen W. B., 77 Sumner
Norcross W. C. Co., 486 Albany
O'Connell J. P. & Co., 174 Freeport
Portland Stone Ware Co., 49 Federal
Ramsay John W., 161 Devonshire
Rockland & Rockport Lime Co., 45 Milk
Spiers Brick Co., 79 Milk
Starrett, Fields Co., 49 Vassar
Stetson-Cutler & Co., 141 Milk
Waldo Bros. & Bond Co. ("Walbro"), 181 Congress
Weston W. M. Co., 80 Federal
Windsor Cement Co., 446 Albany
BROCKTON—Mitchell Isam & Co.
CAMBRIDGE—Clark Bros.
Mass. Lime & Cement Co.
CHELSEA—Chelsea Coal & Cement Co.
Phillips & Hodgdon
CLINTON—Fuller Wm. A.
DANVERS—Ropes Bros.
DEDHAM—Fisher, Churchill Co.
FALL RIVER—Borden, Guiney & Kendall Co.
Borden & Remington Co.
Neill J. O. Hardware Co.
Staples Coal Co.
Wilson Jas. H.
FITCHBURG—Dillon D. M. Steam Boiler Wks.
Fitchburg Hardware Co.
FRAMINGHAM—Framingham Coal Co.
Framingham Lumber Co.
Standard Coal Co.
Swan A. D.
FRANKLIN—Metcalf O. F. & Sons
GARDNER—Davis Hardware Co.
Favor Frank M.
GLOUCESTER—Cape Ann Lumber Co.
GREENFIELD—Webster F. I. Stearns Co.
Griffiin & Co.
Nauss L. B. Sons
HAVERHILL—Chase D. D. Lumber Co.
Taylor-Goodwin Co
HINGHAM—Kimball Geo. E.
Whitney Everett E.
HOLYOKE—Burnham C. G.
Lynch Bros. Brick Co.
McCormick David & Son
O'Connell's D. Sons
Prentiss, Brooks & Co.
Ranger Casper Lumber Co.
HUDSON—Robertson & Larkin
HYDE PARK—Darling F. W. Co.
LAWRENCE—Gage G. L., 263 Common
Hall Paint & Hdwe. Co.
Lawrence Lumber Co.
O'Mahoney M. Co.
Runnells O. E.
Treat Hdw. & Supply Co.
LEE—Heaphy Wm. A.
LOWELL—Barton Cyrus
Bennett Jno. C.
Cawley Edward
Mullin Jos.
Sherman-Moore Co.
Staples Bros.
Sullivan D. T.
Wilson E. A. & Co.
LUDLOW—Burr & Munsing
LYNN—Lamper J. B. & W. A.
Peoples Coal & Masons' Supply Co.
Whittredge W. C. & Co.
MALDEN—Jordan Lumber Co.
Kaulback W. S.
Locke Coal Co.
Malden City Lumber Co.
Neville Thos. J.
MARBLEHEAD—Martin J. S. Co.
MEDFORD—Cowin J. N. & Co.
MELROSE—Benson Coal Co.
Goss C. B. & F. H.
MILFORD—Curtiss Harold M. Coal Co.
NANTUCKET—Swain William T. & Co.
NATICK—Robinson & Jones Co.
Whitney E. & Co.
NEPONSET—(See Boston)
NEW BEDFORD—Denault Moses & T. Arthur
Greene & Wood
Paisler & Willis
NEWTONVILLE—Nonantum Coal Co.
NORTH ADAMS—Burlingame & Darbys Co.
NORTHAMPTON—Bailey A.
Sullivan J. A. & Co.
ORANGE—Orange Hdw. Co.
Potter A. D.
PITTSFIELD—Gamwell C. C.
Howard Frank
PLYMOUTH—Atwood Anthony
Atwood-Robbins Lumber Co.
Sampson Ernest L.
PROVINCETOWN—Days F. A. & Sons
Dyer B. H. & Co.
QUINCY—Crane F. H. & Sons
Richards A. J. & Son
READING—Bancroft, Wendell & Co.
ROCKLAND—Culver A. Co.
SALEM—Langmaid J. P. & Sons, 311 Derby
Waters & Brown
SHELBURNE FALLS—Newell H. & Co.
SOMERVILLE—Highland Coal Co.
Sparrow E. S. & Co.
SOUTHBRIDGE—Winter G. C.
SPRINGFIELD—Puffer H. C. Co., 138 Harrand
Shea T., 92 Cherry
Springfield Contractors' Supply Co., Napier
TAUNTON—Presbrey Stove Lining Co.
Sanders Lumber Co.
Staples Coal Co.
UXBRIDGE—Harris William M.
WAKEFIELD—Curley Bros.
Fendel H. A.
Knox W. E.
WALTHAM—Buttrick Lumber Co.
Carney J. Coal Co.
Waltham Coal Co.
WAREHAM—Greer Edwin M.
Gurney Ansel S. & Co.

(Continued on following page)

Masons' & Builders' Materials—Cont.

MASSACHUSETTS—Continued
WATERTOWN—Pevear W. H. & Co.
Watertown Lumber Co.
WESTFIELD—Gladwin & Lane
Mahoney P. J.
WEST NEWTON—Eddy C. F. Co.
WEST STOCKBRIDGE—Grangers Lime Co.
New England Lime Co.
Tobey Lime Co.
WINCHESTER—Blanchard George W. & Co.
WOBURN—Barker Lumber Co.
WORCESTER—Marsh B. F. Co., 25 Cresant
Powers Frank E. Co., 15 Federal
Smith Green Co., 25 Foster
Streeter & Sons Co., Glenwood

MICHIGAN.

ADRIAN—Matthes Bros.
Stevenson F. A.
ALBION—Gibbs & Sanders
ANN ARBOR—Rohde W. H. L.
BANGOR—Broadwell William M.
BATTLE CREEK—Kirkpatrick W. J.
Stiles I. H.
BAY CITY—Chute Coal & Supply Co.
Williams A. S. & Co.
BENTON HARBOR—Robbins W. P.
BESSEMER—Hansen Cornelius
BIG RAPIDS—Sloss Wm. J. & Son
BRIGHTON—Hyne F. T. & Son
CARO—Van Tine G. N.
CARSON CITY—Rockafellow Grain Co.
CASSOPOLIS—Hayden W. B. & Sons Co.
COLDWATER—Pollock S. & Son
COLEMAN—Simons T. B. Mercantile Co.
DEARBORN—Wallace M. B.
Calvert's J. Sons, McGraw bldg.
Cooper A. & W., 6526 Gratiot av
Dickinson H. H. Builders Supply Co., 5785 Hamilton
Goddard F. H., 2130 Franklin
Gregg Hardware Co., 124 Cadillac sq
Holmes F. B. & Co., 3rd & York
Kennedy J. D. & Co., Dime Bank bldg
Meyer R. M., 10108 Jefferson av W
Michigan Builders Supply Co., 208 E Hancock
Sibley F. M. Lumber Co., Kercheval & Beaufait
Stevens Frederic B., Inc., 3rd & Larned
See adv index at end of book
Thomas Bros. & Co., Ltd., 406 Empire
DOWAGIAC—Judd Wm. F.
EATON RAPIDS—Webster H. P. & Sons
ESCANABA—Nee Coleman
FLINT—Dain & Vermilya M.
Flint Coal Co.
Matthewson Fred G.
Randall Lumber & Coal Co.
FOWLERVILLE—Rounsville F. G.
GRAND LEDGE—Astley T. W.
Doty & Doty
GRAND RAPIDS—Battjes Fuel & Building Material Co.
Himes Albert Coal Co.
Home Fuel Co.
Hyde Albert & Son
Knowlson A. B. Co.
Morman S. A. & Co.
Wykes-Schroeder Co.
HILLSDALE—Aldrich G. A. & Co.
HOLLAND—Dunn W. E. Mfg. Co. ("Duntile"), 415 W 24th
HOLLY—Hudson M. M.
HOUGHTON—Van Orden Matthew Co.
HUDSONVILLE—Hughes B. & T. (Also Saw Mill)
IMLAY CITY—Walker Walter & Co.
IONIA—Page W. C. Wirtz Co.
IRON MOUNTAIN—Holfeitz J. R. Co.
ISHPEMING—Consolidated Fuel & Lbr. Co.
JACKSON—Bartlett J. E. Co.
Lake Robert Co.
Wilcox Stanley
KALAMAZOO—Darling Wm. P.
Dewing & Sons
Sales James A.
LAPEER—Cutting Frank R.
MANISTEE—Buckley & Douglass Lumber Co.
MANISTIQUE—White Marble Lime Co.
MARQUETTE—De Haas N. G. (wholesale jobbers)
MASON—Mickelson Carl P.
MENOMINEE—Lyon Bros.
MONROE—Hurd Geo. R. Co.
Radtke Lumber & Supply Co.
MOUNT CLEMENS—Paganetti J. S. Co.
Ullrich R. C. Hardware Co.
NEW BALTIMORE—Baker William
NILES—Smith C. R.
OTSEGO—Oliver Wm.
OWOSSO—Sturtevant & Blood Co.
PAW PAW—Waters H. C. & Co.
PONTIAC—Richmond-Dewey Co.
PORT HURON—Cruickshank A. G.
PORTLAND—Estep Chas. A. & Son
QUINCY—Kinyon E. H.
REED CITY—Welsh & Kerry Co.
SAGINAW—Remer Bros.
ST. JOSEPH—Wallace John Sons Co.
SEBEWAING—Sebewaing Sandstone Brick Co
SOUTH ROCKWOOD—Strong John Co.
TRAVERSE CITY—Hannah & Lay Mercantile Co.
TRENTON—Mans Nicholas A.
WALDRON—Abbaduska E. T.
WHITE PIGEON—Driesbach F. C. & Son
WYANDOTTE—Eberts Bros. Co.
YALE—Wharton & Co.
YPSILANTI—Thompson O. E. & Sons

MINNESOTA.

ADRIAN—Becker J. C.
BLOOMING PRAIRIE—Solberg A. Lumber Co.
DULUTH—Cutler Magner Co.
Dunlop-Moore Co.
LITCHFIELD—Ebjornsson John
MANKATO—Fowler & Pay
MILAN—Anderson T.
MINNEAPOLIS—Citizens' Lumber Co.
Fowler & Pay, Security Bank bldg
Landers, Morrison & Christenson Co., Builders Exchange
McDonald John F. Lumber Corp., Lumber Exchange
Red Diamond Lumber Co., 1200 Central av
Speakes P. G. Co., 2845 Second av, S
United States Gypsum Co., Lumber Exchange
Universal Portland Cement Co., 2d Bank bldg
NEW ULM—Bingham Bros.
NORTHFIELD—Reilly & Lathrop
PELICAN RAPIDS—Stenerson Bros.
ROCHESTER—Dodge Lumber & Fuel Co.
ST. CLOUD—Gruber & Co.
ST. PAUL—Capital City Lime & Cement Co., Starkey & Indiana
Lott K. F. & Co., 101 E 8th
Northwestern Lime Co., Ryan bldg
Pearce J. F. & Son, Ft. Eagle
St. Paul Lime & Cement Co., Ryan bldg
SHAKOPEE—Schroeder Brick & Lime Co.
STILLWATER—Consolidated Lumber Co.
Kilty Jno. J.
WARREN—Robertson Lumber Co.
WINDOM—Strunk Sherwin Co.
WINONA—O'Dea John
Standard Lumber Co.
Stevenson Coal Co.
Willis H. J.

MISSISSIPPI.

JACKSON—Jackson Lumber Co.
MERIDIAN—Acme Building Supply Co., Dept. H
VICKSBURG—Edwards C. J. Co.
Perry Grain & Cement Co.

MISSOURI.

BEVIER—Rowland Bros.
BOONVILLE—Burger Wm.
Lohse M. & Son
BUTLER—Wyatt H. S.
CARTHAGE—Home Lumber Co.
Thomas B. F. Lumber Co.
FARMINGTON—Lang & Bro., Mfg. & Mercantile Co.
Tetley-Klein Lumber Co.
FAYETTE—La Crosse Lumber Co.
FREDERICKTOWN—Fredericktown Lumber Co.
FULTON—Callaway Hardware Co.
HOLDEN—Starkey L. (Est. of)
JOPLIN—Chickering H. L.
KANSAS CITY—Brockett C. A. Cement Co., 2035 E 19th
Builders' Material Supply Co., 815 Continental bldg
Dickey W. S. Clay Mfg. Co., N. Y. Life bldg
Eadie Building Supply Co., Scarritt bldg
Lehigh Portland Cement Co., Commerce bldg
Leidigh & Haven Co., R. A. Long bldg
Westport Lime & Cement Co., 121 W 8th
LEXINGTON—Moorehead J. R. Lumber Co.
LOUISIANA—La Crosse Lumber Co.
NEOSHO—Briggs Hardware Co.
STE. GENEVIEVE—Ste. Genevieve Lime & Quarry Co.
Biles N. D. & Co.
Doughterty & Moss Lumber Co.
Mannan-Smith Supply Co.
Noid C. H. Lumber Co.
St. Joseph Lumber Co.
ST. LOUIS—Banner Coal & Sand Co., 4560 Audubon
Glencoe Lime & Cement Co., Syndicate Tr. bldg
Hunkins-Willis Lime & Cement Co. (Plastering Materials), Century bldg.
SEDALIA—Babcock Lumber Co.
Johns S. P. & Sons
Looney & Bloess Lumber Co.
Sturges Lumber Co.
SPRINGFIELD—Horton Stone Co.
Landers Lumber & Cement Co.
Springfield Pig. Mill, Lumber & Const. Co.
Springfield Stone & Fuel Co.
Williams T. E. Lumber & Mfg. Co.
TIPTON—Ferguson Wm. M.
Schmidt Wm. & Co.
WINDSOR—Hayden Hardware Co.

MONTANA.

ANACONDA—Anaconda Copper Mining Co.
Stagg J. P.
GREAT FALLS—Great Falls Lbr. Co.
Murphy-McClay Hardware Co.
HELENA—Holter A. M. Hdw. Co.
Sanford-Evans Co.

NEBRASKA.

BEATRICE—Von Steen J. H. Co. (Wholesale)
FAIRBURY—Fairbury Planing Mills, cor. C & 5th
FREMONT—Nye-Schneider-Fowler Co.
GENEVA—Koehler A. Co.
GOTHENBURG—West E. G.
GRAND ISLAND—Harrison W. H. Co.
HASTINGS—Western Brick & Supply Co.
HUMBOLDT—Philpot Lumber Co.
LAUREL—Johnson Evers & Co.
LINCOLN—Dierks Lumber & Coal Co.
Searle & Chapin Lumber Co.
Whitebreast Coal & Lumber Co.
NEBRASKA CITY—Bischof's Wm. Sons
NORFOLK—Chicago Lumber Co.
OMAHA—Adams & Kelly Co.
Cady H. F. Lumber Co.
Chicago Lumber Co.
Disbrow M. A. & Co.
Federal Lbr. Co., 40th & Leavenworth
Guiou Lumber Co.
Hampton Lumber Co.
Hoagland G. A. & Co.
Hull C. W. Co.
McCaffrey Bros. Co., 120 S 17th
Platner Bros., Mason & Bldrs.' Mfgs.
Sunderland Bros. Co.
Updike Lbr. & Coal Co., 4500 Dodge
SOUTH OMAHA—Bradford-Kennedy Co.
Bradford Louis Lumber Co.
Howland E. H. Lumber & Coal Co.
Watkins J. B. & Co.
TEKAMAH—Houston E. C. Lumber Co.

NEW HAMPSHIRE.

BRISTOL—Merrill C. N. & Son
CLAREMONT—Osgood E. B.
CONCORD—Dickerman & Co.
EXETER—Smith L. B. & Sons
FRANKLIN—Stevens C. P.
KEENE—Knowlton & Stone Co.
Spencer Hardware Co.
Woods C. E. & Son
LANCASTER—Moore L. F.
Smith Frank Co.
MANCHESTER—Muir John
NASHUA—Shedd W. A. & Co.
NEWPORT—Rowell F. P.
NORTH CONWAY—Gibson J. L.
PORTSMOUTH—Broughton J. H.
Walker C. E. & Co.
SOMERSWORTH—Somersworth Grain Co.
TROY—Kimball E. P. & Son

NEW JERSEY.

ASBURY PARK—Buchanon & Smock Lbr. Co.
Consumers' Coal & Supply Co.
Farmer Coal & Supply Co.
ATLANTIC CITY—Borton Coal & Trading Co.
Cunningham A. W. & Co.
BAYONNE—Booth A. W. & Bro.
Brady's James Sons Co.
Meyer & Ruh Co.
BLOOMFIELD—Bloomfield Coal & Supply Co.,
Ogden & Cadmus
BOONTON—Salmon Henry & Son
BORDENTOWN—Chamberlain John G.
Shreve W. A. & Co.
BOUNDBROOK—Cook L. D. Co.
BRIDGETON—Hankins H. H. & Bro.
CAMDEN—Camden Lime Co.
Justice Coal & Lime Co.
Taylor Bros.
CAPE MAY COURT HOUSE—Tyler W
COOKSTOWN—Hancock J. B.
CRESSKILL—Cresskill Lumber Co.
DOVER—Birch & Bassett
Dover Lumber Co.
EAST ORANGE—Builders' Material Supply Co.
Pierson James W. Co.
EGG HARBOR—Rupp Harry R.
ELIZABETH—**ANCHOR BUILDING CO.**
See adv index at end of book
Enterprise Coal & Supply Co.
Gold P. & Co.
Hall & Carlton
Mulford Coal & Lumber Co.
Neureitter & Horre
Sayre T. F. & H. C.
Smith Lime, Flour Co.
Thompson J. & S. S.
ENGLEWOOD—Payson George H
Prentice Co.
Tuttle Bros.
FAR HILLS—Ludlow L. V. & Co.
FREEHOLD—Statesir Lumber Co.
GLADSTONE—Tiger Ellis Co.
GLOUCESTER—Stinson & Dickinsheets
GUTTENBERG—Gardner & Meeks Co
HACKENSACK—Gardner L. E.
Hackensack Coal & Lumber Co.
HOBOKEN—Lehigh Coal & Supply Co.
Vanderbilt E. D. Co.
JAMESBURG—Perrine & Buckelow
JERSEY CITY—Baldwin Lumber Co., Garfield av
Conlon & Co., 270 Provost
Hall J. P., 588 Central av
O'Neill Lumber Co., Jersey av
Washburn Bros. Co., ft of Jersey av
KENVIL—Kenvil Lumber & Store Co.
LAKEWOOD—Larrabee Albert S. (Est.)
LAMBERTVILLE—Massey Geo. W.
LITTLE FALLS—Klotz E. L.
LONG BRANCH—Chandler & Maps
Lacour Crammer & Co.
MADISON—Bruen & Morris
Green & Pierson
Smith Joseph M. Co.
MANASQUAN—Vanleer E. S.
MATAWAN—Cartan & Delvin

METUCHEN—Edgar Chas. S.
Freeman Manning & Son
MILLVILLE—Kimball & Prince Lumber Co.
MONMOUTH JUNCTION—Stout A. F. & Son
Persons W. O.
MORRISTOWN—Ennis C. W. & Co.
NETCONG—Drake, Bostedo Co.
NEWARK—Abbey W. B., Essex bdg
Bowden Fred'k (Sewer Pipe, etc), 213 Orange
Builders' Material Supply Co., Center
Cook & Genung Co., 16 Jersey
Lenox Building Supply Co., 27 Clinton
Newark Sand Co., ft Center
Perry G. F. & Sons, 261 Fabyan pl
Reeve Abner S. & Sons, 952 Ogden
Reid A. S. & Co., 68 Clinton av
Sayre Jas. R. Jr. & Co., River
Tomkins Bros., 74 Passaic
Townley C. E. 149 Vernon av
Van Keuren & Son, 501 Passaic av
Wolf Chas., 204 Waverley av & Peshine
NEW BRUNSWICK—Howell Lumber Co.
Rolfe Building Materials Co.
Welsh P. M.
NEW DURHAM—Austin M. R. Co. (Roofing), 329 Hackensack Plank rd
NEWTON—Hopkins S. H.
ORANGE—Conover Bros.
OCEAN CITY—Shoemaker C. H. Lumber Co.
PALISADES PARK—Palisades Park Lumber & Supply Co.
Parkyn & Sons
PASSAIC—Anderson Lumber Co.
Campbell, Morrell & Co.
Union Building & Cons. Co.
PATERSON—Agnew John Co.
Rodrock E. M. Co.
Sharpe Jos. Construction Co.
Smith A. H.
Stiles E. M.
Trimble Coal Co.
PENNS GROVE—Barber, H. S.
PERTH AMBOY—Donnell W. J. Lumber Co.
Langan Thomas Lumber Co.
Robbins I. R.
PLAINFIELD—Boice, Runyon Co.
Loizeaux Joshua D. Lumber Co.
PLEASANTVILLE—Lake & Risley Co.
POINT PLEASANT—Vannote Lumber Co.
RAHWAY—Friese G. M.
RIDGEFIELD PARK—Brewster & Son, Dept H
RIVER EDGE—Bogert A. Z. & Bro.
RIVERSIDE—Zurbrugg August
RIVERTON—Evans Jos. T.
ROSELLE—Bachman-Veghte Co.
Ridgeway Wilbur J.
SALEM—Lippincott Clement G.
SECAUCUS—Schmitt Jacob
SOMERVILLE—Sargeant Bros.
SOUTH AMBOY—South Amboy Lumber & Supply Co.
SOUTH ORANGE—Halsey H. B. Co.
SOUTH RIVER—Clayton Lumber Co.
SUMMIT—Miller T. B. Co.
Muchmore George V.
Stephens Bros.
SWEDESBORO—McCullough H.
TENAFLY—Demarest Edwin
TOMS RIVER—Brant A. A. Lumber Co.
TRENTON—Heath Samuel Co.
Hunt James B. Mfg. Co.
Richardson Jos. B. & Sons
Richardson P. B.
VINELAND—Kimball & Prince Lumber Co.
WASHINGTON—Alleger's E. W. Son
WESTFIELD—Irving J. S.
Tuttle Bros.
WOODSTOWN—Hitchner & Bassett
Woodstown Ice & Cold Storage Co.

NEW MEXICO.

ALBUQUERQUE—Baldridge J. C. Lumber Co.

NEW YORK.

ADAMS CENTER—Maxson E. C. & Son
ALBANY—Batchelder R. C.
Blackburn J. T. D.
Dwight H. A.
Fuller & Co.
Helderberg Cement Co.
Leonard Co.
McCabe Peter
AMENIA—Wilson & Eaton Co.
AMSTERDAM—Grieme, H. C. Co. (Est. of)
ASTORIA—(See Long Island City, Borough of Queens)
ATHENS—Howland & Son
AUBURN—Clark Lumber Co.
McCarthy Bros.
Smith & Pearson, 102 Genesee
BALDWINSVILLE—Tappan W. H.
Voorhees J. S. & Co.
BARKER—Lum L. C.
BATAVIA—Dawson William E.
BATH—Bowes H. W.
BEACON—Davidson S. M. Co.
BINGHAMTON—Atlas Coal & Supply Co. (Brick, Cement, Sewer Pipe, etc)
Ballard J. W. Co.
Bartlett & Co.
BUFFALO—Black John H. Co. (Mfrs.' Agent), 2675 Main
Buffalo Cement Co., 110 Franklin
Buffalo Paragon Wall Plaster Co., 1336 Genesee
Carroll Bros. (Sand, etc), Ellicott sq
Carroll J. E. Sand Co., White bldg.
Empire Limestone Co., 19 Hudson
King J. B. & Co., 322 W Genesee
Lyth A. & Sons Co., 48 W Eagle
Reeb M. A. Corp., 599 Michigan av
Ross James H., 141 Erie
Thorn Cement Co., Prudential bldg
CANANDAIGUA—Davidson Alex.
Hollis A. M. & Co.
Thompson George T.
CATSKILL—Raynor A.
Timmerman P. V. R.
CHARLOTTE—Charlotte Coal & Supply Co.
CHATHAM—Boright John W. Lumber Co.
CLINTON—Allen H. J. (Est.)
CLYDE—Corrigan & John
COHOES—Dooley Jas. J. & Sons
COLLEGE POINT—(See New York City, Borough of Queens)
CORNING—Maltby W. H. & Sons
CORTLAND—Beers & Warfield
Maxson & Starin
CUTCHOGUE—Goldsmith & Tuthill
DUNKIRK—Hamilton S. M. Co.
EAST AURORA—Geib William H.
Griggs & Ball Co.
EAST HAMPTON—East Hampton Lumber & Coal Co.
EDEN—Redfield & Davis
ELMIRA—Contractors' Supply Co., Railroad av
Fisk H. A. & Co.
FAIRPORT—Fairport Lumber & Coal Co.
FAYETTEVILLE—Bangs-Gaynor Cement & Plaster Co.
FLORIDA—Roe Bros.
FLUSHING—(See New York City, Borough of Queens)
FREDONIA—Cobb John P.
Cooke F. E.
GENESEO—Neff N. W. & C. D.
GENEVA—Beard J. H.
Dwyer J. Frank
Ontario Coal Co.
Rogers R. J. Lumber Co.
GLEN COVE—Titus & Bowne
GOSHEN—Conklin & Cummins
GOUVERNEUR—Corbin W. S.
Noble H. H.
GOWANDA—Van Deusen J. E.
GREEN ISLAND—Smith M.
HASTINGS-UPON-HUDSON — Thompkin & Bevers
HAVERSTRAW—Allison & Vervalen Coal & Lumber Co.
Lane Charles R.
HEMPSTEAD—Mollineaux Bros.
HERKIMER—Palmer C. W. & Co.
Pelton Bros.
Snell C. R. & Sons Co.
HILLSDALE—Herrington Ed.
HOLLAND—Griggs Ichabod N. & Son
HOLLEY—Murphy John
HOMER—Maxson & Starin
HOPEWELL JUNCTION—Hopewell Lumber Co.
HORNELL—Hollands Stephen & Sons
HUDSON—Macy Charles W. Co.
HUNTER—Ham E. A.
HUNTINGTON—Wood W. Wilton
HURLEYVILLE—Prince W. J. & Son.
HYDE PARK—Van Wagner Geo. E. B.
IRONDEQUOIT—Irondequoit Coal & Supply Co.
ISLIP—Abrew John L.
ITHACA—Driscoll Bros. & Co. (Wholesale)
Edwards O. D.
JAMESTOWN—Chautauqua Refrigerating Co.
Jamestown Construction Co.
Johnson Ice Co.
Shedd L. F.
Van Dervoort Supply Co.
KINGSTON—Darling Walter S.
Gill David Jr.
Griffith Frank H.
LACKAWANNA—West Seneca Lumber Co.
LAKE PLACID—Lake Placid Lumber & Supply Co.
LAWRENCE—Wood John A. & Son Co.
LESTERSHIRE—Baldwin Edwin L.
LIMA—O'Neill Wm. A.
LOCKPORT—Crowe Michael J.
Stainthorpe C. N. & Co.
Whitmore C. B. Co.
LONG ISLAND CITY—(See New York City, Borough of Queens)
LYONS—Lockwood B. F.
MACEDON—Servoss Chas. J.
Moffatt, L.
MALONE—Thompson H. D. & Co.
MAMARONECK—Brewer R. G.
MATTITUCK—Penny George L.
MECHANICSVILLE—Robinson W. A.
MIDDLEBURG—Petchtle Emmet
MIDDLEPORT—Jackson Thomas W.
MIDDLETOWN—Ketchum D. A. (Est.)
MONTGOMERY—Vanderoef John J. & Son
Wait Charles D.
MONTICELLO—Osborn & Son
MOUNT KISCO—Young & Halstead Co.
MOUNT VERNON—Burton & Fenton
Wilson & Adams Co.
NEWARK—Bartle A. C. Lumber Co.
NEW BRIGHTON—(See New York City, Borough of Richmond)
NEWBURGH—Convery's John P. Sons
Harrison & Curtis
Wilson Samuel A.
NEW PALTZ—Le Fevre A. P.
NEW ROCHELLE—Mahlstedt J. A. Lumber & Coal Co.
New Rochelle Coal & Lumber Co.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Bannon P. & Sons (Sand, etc), 139 Richards
Castle Bros., Johnson pl
Clarke Audley Co., 527 Smith
Colyer Jos. H. & Son, 64½ Flatbush
Creamer F. D. & Co., 26 Court
Duffy J. P. Co., 51st & 2d av
Empire Brick & Supply Co., Morgan av
Morton's John Sons Co., 387 Carroll
Sullivan J. T., 2360 Fulton

Boroughs of Manhattan and Bronx.

NEW YORK—Anaconda Copper Mining Co., 25 B'way
Anderson Brick & Supply Co., Inc., 201 E 129th
Builders' Brick & Supply Co., 1363 Westchester av
Cable W. N., 200 5th av
Candee, Smith & Howland Co., ft E 26th
Darrow's Rufus Son, 618 W 49th
Empire Brick & Supply Co., 103 Park av
Fredenburg & Lounsbury (Front & Ornamental Brick & Cement), 381 4th av
Heaney P. J. Co., 1363 Westchester av
Hoag Wm. M., 120 Liberty
Kane John P. Co., 103 Park av
McCarthy John A. & Bro., 551 Exterior
Miller Clifford L. (West Stockbridge Lime; Dry Mixed Mortar; Cement; Plaster, etc), 280 Madison av
Morse Frank E. Co., Staten Island Ferry
Murtha & Schmoll Co., 314 E 14th
Palmer Lime & Cement Co., 103 Park av
Philbrick John A. & Bros., ft E 97th
Raymond G. B. & Co. (Clay Materials), 3060 Webster av
Smith Clarence L. Co., 52 Van av
Warner Chas. Co. (Wholesale), 18 E 41st
Wood Theo. C., 613 Greenwich

Borough of Queens.

COLLEGE POINT—Kraemer Bros.
FLUSHING—Copp C. W., James
Ryon Augustus M., 96 Main
JAMAICA—Syles Thos., 59 Flushing av
LONG ISLAND CITY—Clonin & Messenger, ft Camelia
Pfeffer Jacob, 10 Vernon av
Raymond G. B. & Co. (Clay Products), 293 Borden av
OCEANUS—Jamieson & Bond Co., Bond av
OZONE PARK—Reimer Jno. B.
RICHMOND HILL—Solms Geo. Co., Maure av

Borough of Richmond.

PRINCES BAY — Seguine-Runyon-Stiles Co., ft Main
STAPLETON—Thompson Jas. & Sons, Bay

(End of New York City)

NIAGARA FALLS—Humbert Wm. S.
Niagara Falls Builders' Supply Co.
NORTH TONAWANDA—Rose H. A. (Est. of)
NYACK—Gregory & Sherman
White W. H. Co.
OCEANUS—(See New York City, Borough of Queens)
OGDENSBURGH—Barr John
Britton W. D. Hardware Co.
Hackett P. Hardware Co.
OLEAN—Taylor B. U. Co.
OLEAN—Olean Builders Supply Co., Inc.
ONEIDA—Marcellus Geo. A.
Ruby R. B.
ONEONTA—Briggs Lumber Co.
Butts L. P.
OSSINING—Terwilliger's I Son
OSWEGO—Farwell J. B. & Co.
OWEGO—Farmers' & Builders' Supply Co.
Richardson F. W.
PATCHOGUE—Bailey E. & Sons
PEARL RIVER—Serven Lumber & Coal Co., Inc.
PEEKSKILL—Dains' N. Sons Co.
PELHAM—Pelham Builders Supply Co., Inc.
PERRY—Hawley Produce & Storage Co.
PHILADELPHIA—Clark Gardner
PIERMONT—Walsh & Reichling
PLATTSBURG—Purdy Frank M.
PLEASANTVILLE—Cornell Lumber Co.
PORTCHESTER—Ryan William Co.
Tibbits Charles H.
PORT JERVIS—Westbrook Edw. S. & Son
PORT RICHMOND—(See New York City, Borough of Richmond)
POTSDAM—Weed F. A. Hardware Co.
POUGHKEEPSIE—Arnold C. N. Co.
Lumb's Levi Son
McCann J. J.
Taylor Jas. L. Mfg. Co. (Steel Staging & Shingling Brackets)
Wilbur Co.
PRINCES BAY—(See New York City, Borough of Richmond)
RANDOLPH—Felt & Almy
RICHMONDVILLE—Harroway M. W.
RIPLEY—Crandall J. E.
RIVERHEAD—Corwin & Vail Lumber Co.
ROCHESTER—American Clay & Cement Corp., 1175 Main E
Building Specialties Co., Inc.
Oliver Thomas (Est. of)
Rochester Lime Co.
Whitmore, Rauber & Vicinus
ROCKVILLE CENTER—Combes G. D.
ROME—Wardwell Hardware Co.

(Continued on following page)

Masons' & Builders' Materials—Cont.

NEW YORK—Continued

SAG HARBOR—East Hampton Lumber & Coal Co.
SALEM—Dillon Jno. L.
SANDY HILL—Griffin Lumber Co.
Kenyon Lumber Co.
SARATOGA SPRINGS—Todd E. R.
SAUGERTIES—Saugerties Coal & Lumber Co.
SCHENECTADY—Crane-Veeder Co.
Devenpeck Coal Co.
Rankin Chas. F.
Winne & McKain Co.
SEA CLIFF—Parliman Lawrence E.
SENECA FALLS—Maier Fred & Sons
Palmer S. S.
SHERBURNE—Gaines Thos. P.
SKANEATELES—Carver Richard
Stuart William G.
SOUTHAMPTON—Hampton Lumber Co.
STONY BROOK—Bayles D. T. & Son
SUSPENSION BRIDGE—Haeberle Lumber Co.
Paragon Plaster Co., 300 W Water
Salisbury D. J., 206 St. Mark's av
Sullivan C. J., 126 S. Clinton
TARRYTOWN—Dinkel & Jewell Co.
Husted A. P. Co.
TICONDEROGA—Bascom D. C.
TOMPKINSVILLE—(See New York City, Borough of Richmond)
TOTTENVILLE—(See New York City, Borough of Richmond)
TROY—Grimm Max
Murray James T.
Rickerson Supply Co. Inc.
Smith Milo
TRUMANSBURG—Hasard Wm.
TULLY—Garrison J. H. (Est. of)
UTICA—American Hard Wall Plaster Co.
Conley Frank E. Stone Co.
Empire Wall Plaster Co.
McQuade & Bannigan
WALDEN—Dominick D. C. Co.
Hill C. W.
WARRENSBURG—Emerson A. C. & Co.
WARWICK—Conklin & Strong
WATERLOO—Terwillinger A. H. & Son
WATERTOWN—Johnson S. W.
Jones W. C.
White G. W. & Son
WATKINS—Durland L. H. Son & Co.
WELLSVILLE—Chamberlain F. R. & Co.
WEST WINFIELD—Weeks George S.
WHITEHALL—Sullivan J. H. (Est. of)
WHITE PLAINS—Young R. Bros. Lumber Co.
WHITESTONE—(See New York City, Borough of Queens)
WILLIAMSBRIDGE — (See New York City)
YONKERS—Lawrence Bros.
Yonkers Builders' Supply Co.

NORTH CAROLINA.

ASHEVILLE—Brown Hdwe. Co.
Citizens' Lumber Co.
Westall J. M. & Co.
Westall W. H. & Co.
CHARLOTTE—Carolina Lumber Mfg. Co.
Ward W. W. & Son
Wearn J. H. & Co.
Withers B. F.
CONCORD—Niblock F. C.
EDENTON—Brown M. G.
HICKORY—Ingold F. B.
RALEIGH—Raleigh Iron Works Co.
WILMINGTON—Moore's Rogers Sons & Co.
Thorp W. B. & Co., Dept. H, Water & Ann
WINSTON-SALEM—Fogle Bros. Co.
Orinoco Supply Co. (all Kinds), 147 N Main

NORTH DAKOTA.

DICKINSON—Walton & Davis Co.
FARGO—Leeby Victor H. Co.
GRAND FORKS—Dinnie J. A. Co.
Robertson Lumber Co.
HATTAN—Ness Lumber Co.
WAHPETON—Rischard John

OHIO.

ADA—Ada Coal & Lumber Co.
Akron Supply Co.
Botzum Bros. Co.
Pfarr & Hobart Co.
Wright W. E. Co.
ALLIANCE—Tolerton I. G. & Son
ANDOVER—Coulter D. & Son
Wood C. W.
ASHLAND—Ashland Hardware Co.
Boren William
Hoover Chas.
Palmer J. C.
ASHTABULA—Aten Volda B.
Robinson M. C. & Co.
Stockton W. H.
BEDFORD—Miller C. F.
BELLAIRE—Anderson & McGregor Co.
BOWLING GREEN—Hankey Lumber Co.
BROADWAY—Goff W. H.
BROOKVILLE—Detweiler Theo.
BUCYRUS—Smith J. M. & Fitzer Ryland B. L. & Son
BURTON—Crittenden B. D.
BYESVILLE—Witten B. V. & Sons
CADIZ—Long E. M. & Sons (Wholesale)
CAMBRIDGE — Orme-McMahon-Thompson Co.
CANFIELD—Neff C. H.
CAREY—Snyder William H.
CELINA—Desch J. W.
CHILLICOTHE—Chillicothe Coal Co.
Rutherford Chas. W.
Union Coal Co.
CINCINNATI—Chrispin Jas. G. Lime & Cement Co., 2117 Monroe av, Norwood
Cincinnati Clay Products & Supply Co.
Cincinnati Sewer Pipe Co., Elm & Water
Doermann-Roehrer Co., 333 Sycamore
Farrn M. B. Lumber Co., Station av & Winton pl
Huber Bldrs.' Material Co., 713 Main
Jacobs Julius, 276 W McMicken av
McCracken J. E. Supply Co., 629 E Front
Marsh-Murdock Co., Cor. Stanton av & Melish
Metcalfe L. A., 2433 Gilbert av
Moores-Coney Co., St. Paul bldg
Moss C. W., 218 Tennyson
Mueller John Co., 321 Wyoming av, Lockland
Pachoud A. L. & Co., 3459 Montgomery av
Patterson Alex., 791 Sedan
CLARINGTON—Rea John J.
CLEVELAND—Baldwin H. A. & Co., 14903 Saranac
Best Builders Supply Co., Marion bldg
Cleveland Bldrs.' Supply & Brick Co., H Leader News bldg.
Collinwood Lumber Co., 14902 Darwin av
Diamond Portland Cement Co. (Cement Mfrs.), 1313 Williamson
Donley Brothers Co. (The), 13935 Miles av
See adv index at end of book
Goff-Kirby Coal Co., Electric bldg
Kelley Island Lime & Transport Co. (Hydrated & Lime Lump), Leader News bldg
Lake Shore Sand & Gravel Co., Cuyahoga & W. 3d
Ohio Coal & Supply Co., Davis & Farley
Queisser R. L. Co., Schofield bldg
Sheets Elevator Co.
Shepard J. J., 1078 River av, N. W.
CLEVES—Caine Chas. W.
CLYDE—Forsythe James
Hurd T. P. & Son
COLLEGE CORNER—Stephens & Stewart
COLUMBUS—Builders' General Supply Co., Darby & Scott
Building Products Co., 67 E Long
Columbus Builders' Supply Co., 145 N Front
Columbus Coal & Lime Co., 307 S High
Columbus Fire & Face Brick Co., 16 S 3rd
Cussins & Fearn Co., 43 W Spring
Fifth Avenue Coal Co., 5th av & Big Four
Franklin Builders' Supply & Coal Co., 400 W Broad
Hamilton Parker Fuel & Supply Co., 491 Kilbourne
Murray City Coal Co., W Fifth av & H. V. Ry.
Rapp Jacob & Co., 375 S High
Schoedinger F. O., 346 Mt. Vernon av
West Side Lumber Co., Duerr rd
CONNEAUT—Pond Lumber Co.
CORNING—Rodgers D. M.
COSHOCTON—Thomson A. H. & Son
CRESTLINE—Weaver Bros. Co.
CROOKSVILLE—Pettit E. G.
CUMBERLAND—Dye Milton
DAYTON—Dayton Builders' Supply Co.
Eichelberger's T. D. Sons
King, Chas. S.
McGreevy & Ortman Co.
DEFIANCE—Gorman M. B. Co.
DELAWARE—Kissner R. D.
DELPHOS—Horine John T. & Sons
DESHLER—Lytle Lumber Co.
DILLONVILLE—Manifold J. H. C.
EAST LIVERPOOL—Enterprise Coal Co.
Nease C. Lumber Co.
EAST PALESTINE—Meek Lumber Co.
ELDORADO—Locke A. W. S.
ELYRIA—Elyria Concrete Co.
Heidmyer Hardware Co.
Murbach Coal Co.
FINDLAY—Hagerman & Phillips
Rhamy W. H.
FRANKLIN—Anderson's L. G. Sons
FREMONT—Price Lumber & Mfg. Co.
Riverside Fuel & Supply Co.
FUNK—Taylor Chas.
GALION—Bryan Coal Co.
Weaver Bros. Co.
GALLIPOLIS—Rue John C.
GARRETTSVILLE—Hatch J. E.
GENEVA—Cowdery Coal Co.
Geneva Milling Co.
King W. H.
GLENDALE—Freyhof John D.
GRAND RAPIDS—Miller Geo. H.
GREENVILLE—Mahar M. A.
HAMERSVILLE—Chatterton O. J.
HAMILTON—Cullen & Vaughn Co., 450 Dayton
HARRISON—Perrine Atwood
Vincent W. C. & Son
HILLSBORO—Whisler Chas F.
IRONTON—Central Hardware & Harness Co. (Roofing, etc)
Goldcamp Bros. & Co.
Ironton Lumber Co.
Ironton Portland Cement Co.
JACKSON—Buckeye Mill & Lumber Co.
Jackson Mill & Lumber Co.
Morgan & Horton
JEFFERSON—Douglass L. C. & Co.
KENTON—Callam John & Co.
Robinson-Gage Lumber Co.
LANCASTER—Orman Lumber Co.
LEAVITTSBURG—Doty A. M. & F. T.
LEETONIA—Mellinger I. F.
LEXINGTON—Kell Bros.
LIMA—Consumers' Fuel & Building Supply Co.
Fidelity Coal & Supply Co.
Watson Cement & Coal Co.
LINDEN HEIGHTS — Denune Builders' Supply Co.
Linden Lumber Co.
LISBON—Bean I. C. Co.
LOCKLAND—Lockland Lumber Co., Benson & Mill
LOGAN—Lumber & Supply Co.
LORAIN—Lorain Lumber & Mfg. Co.
McCUTCHENVILLE—Smith & Lawmaster
MANSFIELD—Branyon M. L. & Bro.
Kallmeren & Baer
Rusk Bros.
Voegele Bros.
MARION—King H. C. Lumber Co.
Ohio & Western Lime Co.
Price J. L. Co.
Prendergast Co.
MARYSVILLE—Conrad Wm. J.
Robinson & Curry Co.
MASSILLON—Atwater D. & Son
Clements A. J. & Son
MAUMEE—Koch C. L. Co.
MIDDLEFIELD—Patchin C. P. & Co.
MIDDLETOWN—Hatfield Coal Co.
MILFORD—Buckingham & Hair
Clark J. N.
MINERVA—Hart S. W. & Son
MOGADORE—Mogadore Lumber & Supply Co.
MOUNT GILEAD—Mount Gilead Lumber Co. (Br. J. S. Peck & Son, Bardington)
Wagner Bros.
MOUNT ORAB—Kibler Fred W.
MOUNT VERNON—Sanderson & McCreery (Also Slate)
MOWRYTOWN—Beucler L. A. & Co.
NAPOLEON—Johnson & Ritz
Thiesen & Hildred Co.
NEWARK—Montgomery Wesley
Smith's P. & Sons Lumber Co.
NEW BOSTON—Bahner Geo.
NILES—Eaton Builders' Supply Co.
NORWALK—Frey Joseph
Smith Monumental Works
OBERLIN—Cole S. M. Co.
OLMSTEAD FALLS—Stokes T. C.
ORRVILLE—Seas J. F. & Sons
OTTOVILLE—Lauer N.
OWENS—Owens John D. & Son Co.
PAINESVILLE—Callander G. F. & Son
McMillan Robert
Painesville Coal & Builders' Supply Co.
Truby Coal Co.
PAULDING—Paulding Lumber Co.
Southern Lumber & Supply Co.
PENINSULA—Bigelow F. A. & Son
PIQUA—Morrow & Licklider
Wood C. L.
Wright & Kuntz Lumber Co.
PLAIN CITY—Martin & Strickland
PLYMOUTH—Nimmons & Nimmons
POMEROY—Biggs B. F. Co.
PORTSMOUTH—Kaps Bros.
Hibbs Hardware Co.
Leet H. Lumber Co.
Reitz Bros Co.
RACINE—Hayman Jos. C.
RAVENNA—Bennett J. A.
Morgan E. E.
RITMAN—Hershey & Rohrer
ST. MARYS—McNally & Son
St. Marys Bldg. Supply & Coal Co.
SALEM—Peoples Lumber Co.
Satterthwait Edgar
SANDUSKY—Groch Fred'k Coal Co.
Homegardner Sand Co.
Kelley Island Lime & Transport Co.
Lake Erie Sand Co.
Nielsen C. A. Coal Co.
Peterson & Hiss Co.
Wagner Quarries Co.
SHELBY—Wiggins E. W.
Will & Kerr
SIDNEY—Farmers' Grain & Milling Co.
Heiser Jno. & Son
Klipstine Wm. Lumber Co.
Toy W. M. & Co., 10 E Shelby
SPENCERVILLE—Pickering Wm. H.
Reynolds W. A. Lumber Co.
SPRINGFIELD—Bauer Charles
Beckley & Myers Ice & Fuel Co.
Clark County Lumber Co.
Mills Bros.
Rawlins A. M.
Springfield Coal & Ice Co.
Taggart & Brown Co.
STEUBENVILLE—Alexander W. J.
Central Sewer Pipe & Supply Co.
McFeely Bros.
Ohio Valley Ice & Storage Co.
STONEY RIDGE—Shook Ira E.
STRUTHERS—Horne J. K. & Son
STRYKER—Stryker Builders' Supply Co.
SULLIVAN—Atyeo Bros.
TIFFIN—Crobaugh & Dahm Hardware Co.
O'Connell Louis Co.
Ohio & Western Lime Co.
TOLEDO—Acme Coal, Wood & Builders' Supply Co.
Buckeye Builders' Supply Co.
Building Products Co., Summit & Sandusky
Knopp Bros. Co.

Ohio Builders' Supply Co.
Superior Supply Co.
Toledo Building Products Co.
Toledo Builders' Supply Co., Spitzer bldg
Toledo Plaster & Supply Co., 515 Madison
Woodville Lime Products Co., 622 Madison av
TORONTO—Goodlin J. O. Son & Co.
TROY—Trojan Coal Co.
UHRICHSVILLE—Pearch J. Romig P. A.
URBANA—Heap Thomas
UTICA—Einsweiler C. W.
VAN WERT—Rupright Bros.
VAUGHNSVILLE—Risser D. R.
VERMILION—Decker C. F.
WADSWORTH—Dutt Feed & Supply Co.
WAPAKONETA—Brown M. Co.
Whitman Joseph L.
WARREN—Greenwood & Co.
Murray Thos.
Western Reserve Lumber Co.
Youngstown Pressed Steel Co.
See adv index at end of book
WASHINGTON C. H.—Coffman Mfg. Co.
WAUSEON—Williams H. H. & Co.
WELLSVILLE—Auginbaugh H. C.
Patterson Geo. B. Coal & Supply Co.
WEST MENTOR—Norton C. A.
WEST MILTON—Everett W. D. J.
WESTON—Oswald Bros.
WILLOUGHBY—Hill A. T. & Co.
Jenkins C. C.
WILMINGTON—Fisher Mfg. & Fuel Co.
WOOSTER—Gray & Son
XENIA—Thornhill Bros.
YOUNGSTOWN—Buehrle German B.
Concrete Stone & Sand Co. (Sand & Concrete)
Sharp Bros.
Youngstown Ice Co.
ZANESVILLE—Adams Bros. Contracting Co.
Harris Bros.
McIntire Coal & Bldrs. Supply Co.
Townsend F. M.
Zanesville Grain & Building Supply Co.

OKLAHOMA.

ALTUS—Rounds & Porter Co.
ARDMORE—Hudson-Houston Lumber Co.
STILLWATER—Bullen H. B. Lumber & Coal Co.
TULSA—Rounds & Porter Co.

OREGON.

PORTLAND—Bowman & Carson, Madison & E Water, Portland, Ore
Cherry P. L. Co., Porter bldg
Cress & Co. Inc., 96 Front
Fryer D. E. & Co., Exchange bldg
Heacock Sash & Door Co., 212 First
Insulite Products Co. Inc., 240 Salmon
McCracken-Ripley Co., 45 4th
Masons' Supply Co., Inc., 305 Madison
Nottingham & Co., 343 E Washington
Pacific Building Materials Co., 335 E Main
Portland Plumbing Supply Co., 192 1st
Rate G. B. & Co., Dekum bldg
Roberts-Landers-Finseth, Inc., 164 1st
Standard Brick & Tile Co., Worcester bldg
THE DALLES—Glenn Hugh & Co.
Wasco Warehouse Milling Co.

PENNSYLVANIA.

ALBION—Sergeant A. W.
ALLEGHENY—(See Pittsburgh)
Erich G. F. Co.
Kuder Millard A., 330 Gordon
Ochs Construction Co., 26 S 5th
ALTOONA—Altoona Concrete Construction & Supply Co.
Canan Building Supply Co.
Canan-Knox Supply Co.
Vipond Coal Co.
AMBLER—Craft J., Watson
ANNVILLE—Saylor D. L. & Son
ARDMORE—Smedley & Mehl
ASHLAND—Buck Peter E. & Sons
ATHENS—Kinter F. B.
AVONDALE—Pennock & Brosius
Williamson Frank & Co.
BANGOR—Bangor Lumber Mfg. Co.
Wise Lumber & Coal Co.
BEAVER—Cook Anderson Co.
BEAVER FALLS—Brierly Frank F. & Sons
Davidson Hdwe. Co., Dept. H.
Pearson & Son
Zimmerman R. E.
BELLEFONTE—McCalmont & Co.
BERWYN—Fritz W. H.
BLAIRSVILLE—Ray L. S. W.
BLOOMSBURG—Paragon Plaster & Supply Co.
BLOSSBURG—Clark Geo. D.
BLUE BELL—De Prefontaine Chas.
BOSTON—Harper C. M. C.
BRADDOCK—Braddock Lumber Co.
Crown Wall Plaster Co.
McCrady Bros. Co.
BRADFORD—Fischer L. A. & Co.
BRIDGEPORT—March's I. F. Sons
BRISTOL—Leedom W. F.
Peirce & Williams
BROOKVILLE—McKnight & Son
BUTLER—Niggel's J. Son
CANONSBURG—Elliott W. J.
CARBONDALE—Cavanaugh C.
Mills Bros.
CARLISLE—Bixler J. P. & Sons
Goodyear Bros.
CATASAUQUA—Deily G. B. F.
Schneller C. W.
CHAMBERSBURG—Hiteshaw & Co.
CHARLEROI—Mounster R. C.
CHESTER—Chester Lumber & Coal Co.
Wood, Lumber & Coal Co.
CHRISTIANA—Cooper Mark P.
CLEARFIELD—Fullington E. M.
COATESVILLE—Pownall Hardware Co.
CONNELLSVILLE—Fayette Lumber Co.
CONSHOHOCKEN—Jones Wm. Potts
CORAOPOLIS—Watson T. F. & Bro.
CORRY—Barlow Hardware Co.
Wales Hardware Co. (Ltd.)
CRAFTON—Crafton Lumber & Supply Co.
DANVILLE—Cole J. H.
Welliver W. W.
DARBY—Thurston Oscar
DEVON—Lobb C. A. & Sons
DOYLESTOWN—Barrett James & Son
Beidler Henry S.
Randall W. L.
DUBOIS—DuBois Jno. E.
Hibner-Hoover Hardware Co.
EASTON—General Supply Co.
Mason's Supply Co.
Messinger Teaming & Supply Co.
EAST STROUDSBURG—East Stroudsburg Lumber Co.
EMAUS—Brown Chas. D.
ERIE—Boyd & Schafer
Thayer O. C. & Son
ETNA—Stevenson Milford, Est. of
EVANS CITY—Burry & Markel Co.
EVERETT—Cottage Planing Mill Co.
FERNWOOD—Hoopes Rufus C.
FLEETWOOD—Schaeffer, Wanner & Co.
FRANKLIN—Franklin Lumber Co.
Howard Lumber & Coal Co.
James Lumber Co.
GLENOLDEN—Mitchell J. E.
GREENVILLE—Packward Hardware Co.
HAMBURG—Lenhart I. S.
HANOVER—Schmuck Co.
Kelley H. M. & Co.
HARRISBURG—Cowden & Co.
Kelley H. M. & Co.
HAZLETON—Frederick S. Y. & Son
Hazleton Machinery & Supply Co.
Schaub Justus
Wagner Bros. Hardware Co. (Paints)
HOLLIDAYSBURG—Condron J. B.
Law John H.
HOMESTEAD—Vallowe Bros.
HOOVERSVILLE—Meyers H. J. & W. A.
HUMMELSTOWN—Engle's Jno. S. Sons
Holler Chas.
HUNTINGDON—Miller C. H. Hdw. Co.
INDIANA—Stewart Jas. M. & Co.
JOHNSTOWN—Thomas-Kinzey Lumber Co.
Walters John W.
KINGSTON—Edwards & Co.
Roat A. J. Supply Co.
KITTANNING—McConnell & Watterson Co.
McCullough James Jr.
KUTZTOWN—Heffner Dietrich & Co.
LANCASTER—Lancaster Lime & Supply Co.
Penna. Stone, Cement & Supply Co.
Reilly Bros. & Raub
Sener G & Sons
Steinman Hardware Co.
LANSDALE—Brady James
LATROBE—Doherty Philip Hdw. & Supply Co.
McFeely Brick Co.
LEBANON—Granitine Wall Plaster Co
Krause George Hardware Co.
LEWISBURG—Dreisbach's C. Sons
LEWISTON—Franciscus Co.
LINWOOD STATION—Wood Bros.
LITITZ—Hershey-Leamon Co.
McKEESPORT—Bowman Bros. Co.
Hartman Hdw. Co.
Serena John Co.
Wishart A. & Sons Co.
McKEES ROCKS—Bluming P.
Young & Schmitt
MACUNGIE—Singmaster J & Co.
MANSFIELD—McDowell Chas.
MAUCH CHUNK—Neast Chas. & Co.
MEADVILLE—Harris C. P.
Smith Lumber Co.
MECHANICSBURG—Martin C. & Son
MEDIA—Williamson C. F.
MIDLAND—Marshall & Beglin
MIFFLIN—Manbeck W. H. & Co.
MONONGAHELA—Yohe Bros.
MONROETON—Cranmer H. A. & Sons
MONTROSE—Cooley & Son
MOORE—Moore G. W. & Co.
MOSCOW—Loveland J. E.
NAZARETH—Nazareth Coal & Lumber Co.
NEW BETHLEHEM—Anderson Hdw. Co.
Andrews Lumber Co.
NEW BRIGHTON—Martsolf Bros. Co.
Martsolf George W.
NEW CASTLE—Burns Bros.
Marshall Bros.
Ramsey D. G. & Sons
NEW FREEDOM—Bahn Walter D & Co.
NEW KENSINGTON—Klingensmith H. A. & Son
McKean J. S. & Sons Co. (Ltd.)
NEW SALEM—McCormick S. O.
NORRISTOWN—Evans B. & Bro.
Landis William G.
Quillman Benj. Hardware Co.
NORTH WALES—Leister Frank H.
OGONTZ—Nagle Louis A. & Co.
OIL CITY—Borland & Diamond Lumber Co.
Caldwell Lumber Co.
OLYPHANT—Lally Jas. H.
PEN ARGYL—Correll R. S.
PENNS STATION—Myers J. E.
PERRYOPOLIS—Perry Mfg. Co.
PHILADELPHIA—Ambler H. C. Contracting Co., 3717 Old York rd
Borgner Cyrus Co. (Distributors of Lehigh Portland Cement), Drexel bldg
Bowditch Walter, 5719 Gtn.
Bradley Walter T. Co., 9th & Thompson
Cox's C. A. Sons, 2139 American
Dobbs Samuel B. (Brick), 1213 Chestnut
Fairlamb P. H. Co., Bl. pkwy
Fitzgerald John J. & Co., 2d & Butler
France David Co., Tasker st. Wharf
Frankford Coal & Lime Co., 4430 Penn.
French, Samuel H. & Co., York av, 4th & Callowhill
Gilbert Harry W., Hutchinson & Venaugh
Hainsport Mining & Transportation Co., Beach & Berks
Housekeeper Benj. (Lime), 1526 N American
Kenderdine J. R., 200 N 3rd
Kerbaugh Lime Co., Wash'n av, c 15th
Keystone Plaster Co. (Adamant Wall Plaster), North American bldg
Knickerbocker Lime Co., 366 N 24th
Krause Wm., 1621 N 5th
Lukens & Yerkes, Stephen Girard bldg
McClemen H. A. & Bro., Shunk & 13th
Manayunk Coal & Lime Co., Main & Umbria
Meng Anthony & Co., 123 S Front
Sloan Burrows & Co. (Mfrs.' Agent), Real Estate Trust bldg
Smith Edwin A. & Son (Lime), 1617 Frankford av
Supplies Co. (General), Witherspoon bldg.
Warner Chas. Co. (Wholesale & Retail), Morris bldg
Wilson & Gardner Co., 5541 Lena Germantown
PITTSBURGH—Dela Clay Products Co., Westinghouse bldg
Duncan & Porter Co., 310 Mendota
Harbison-Walker Refractories Co. (Fire Brick), Farmers' Bank bldg
Heppenstall & Marquis, 32d
Houston Bros. Co., Chamber of Commerce bldg.
Jiles Jas. Co., Stayton
Keller Bros., 6347 Station
Kennedy D. J. Co., 6366 Frankstown av
Knox Strouss & Bragdon, 1725 Juniata
Leggett Wm. T. Co., 2621 Liberty
Miller & Coulson, 5743 Ellsworth av
Rodgers Sand Co., Wood & Water
Winfield Limestone Co., 2115 Oliver bldg
PITTSTON—Dershimer & Griffin
Patterson J. E. & Co.
PLATEA—Cook J. W. & Sons
POTTSTOWN—Baily Hardware Co.
Fegely J. & Son
Hallman Wm.
Halteman J. L.
Van Buskirk & Bro.
POTTSVILLE—Bright George Hardware Co.
Ryon John P.
PUNXSUTAWNEY—Brown Hardware Co.
Kurtz Coal Lumber & Supply Co., Dept. H.
QUAKERTOWN—Achey Benj.
Walp C. H. & Bro.
READING—Bard Hardware Co.
Bright & Co.
Fisher Chas. H.
Gring J. M. Co.
Reading Lumber Co.
Roth A. L. Co.
RIDGWAY—Hyde W. H. & Co.
ROCHESTER—McDonald & Hartman
ROYERSFORD—Buckwalter J. A.
RUSSELL—Reynolds A.
SAEGERTOWN—Peters Frank L.
SAINT MARYS—Ritter Leonard
SALTSBURG—Davis Bros. & Co.
SALUNGA—Hiestand & Co.
SCRANTON—Keller Luther
Maloney Oil & Mfg. Co.
Mason & Snowdon Lumber Co.
Paragon Plaster & Supply Co.
SEWICKLEY—Hays Alden F.
SHAMOKIN—Shamokin Lumber & Mfg. Co.
SHARON—McIntyre Wm. & Sons
Sharon Building Co. (Ltd.)
Wallis & Carley Co.
Wishart A. & Sons Co.
SHARPSBURG—Chalfant A. M.
SHARPSVILLE—Covert & Stewart
SLATINGTON—Dettmer & Handwerk
Fritzinger William A.
SOUDERTON—Moyer & Son
Souder & Crouthamel
SPRING CITY—Davis & Mowrey
STEELTON—Hess John
SUNBURY—Sunbury Supply Co.
Whitmer William & Sons Co.
SWARTHMORE—Ogden C. G. & Co.
TITUSVILLE—Edwards H. B.
Shank I. L.
Ward C. J.
TOWANDA—Myer Berlin F.
TROY—Spalding H. M. & Son
TUNKHANNOCK—Billings Paul & Sons
TYRONE—American Lime & Stone Co.
Beyer F. D. & Co.
Franciscus Hardware Co.
Grazier Bros.
UNION CITY—Union Coal & Supply Co.

(Continued on following page)

Masons' & Builders' Materials—Cont.

PENNSYLVANIA—Continued
WARREN—Pickett Hardware Co.
WASHINGTON—Paul & Post
WAYNE—Connor I. W. Co.
WAYNESBORO—Beck & Benedict
Eclipse Wall Plaster Co.
Newcomber J. M. & Co.
WEST CHESTER—Bennett & Lear
Hoopes Ralston R.
WEST GROVE—Chambers S. K. & Bro.
WILKES-BARRE—Eastern Penna. Supply Co.
Goff Lumber Co.
Henry Frank N.
Patterson James E. & Co.
Robbins Lumber Co.
Schmitt's John A. Sons
Wilkes-Barre Masons' Supply Co.
WILLIAMSPORT—Diamond Wall Cement Co.
Huffman W. H. C. Sons
Kline & Co.
Stuempfle's David Sons
YORK—Barnitz George A.
McClellan & Gotwalt Co. (Ltd.)
Small P. A. & S. Co.
York Valley Lime Co.
Zinn Bros.
ZELIENOPLE—Kennedy J. J.

RHODE ISLAND.

BRISTOL—Wardwell Lumber Co.
NEWPORT—Friend John M.
Hammet A. & H. G. Co.
PAWTUCKET—City Coal Co.
Cottrell J. T. Co.
Newell Coal & Lumber Co.
Olney & Payne Bros.
PROVIDENCE—Goff James C. Co., 31 Point
Harris Wm. M. Jr., 546 Atwells av
Horton H. R. Co., 459 S Water
McKendall Frank D., 519 Charles
Manchester & Hudson Co., 55 Point
Whaley J. A. & Co., 41 Smith
RIVER POINT—Potter Frank E.
WAKEFIELD—Wakefield Lumber Co.
WESTERLY—Kenyon H. T. & Co.
Sherman's R. A. & Sons Co.
WOONSOCKET—City Lumber Co.
Woonsocket Lumber Co.

SOUTH CAROLINA.

ANDERSON—Anderson O. D.
Brissey W. L. Lumber Co.
White & Co.
BEAUFORT—Christensen N. & Sons
CHARLESTON—Anderson Lumber Co.
Carolina Portland Cement Co.
Hughes Co.
Johnson Wm. & Co., Van Smith bldg
Material Co., 276 E Bay, Dept. H
COLUMBIA—Brown C. O. & Bro.
Lorick & Lowrance
Powell Fuel Co.
GAFFNEY—Builders' Supply Co.

SOUTH DAKOTA.

BELLEFOURCHE—Tri State Milling Co.
CHAMBERLAIN—Anderson J. F. Lumber Co.
MITCHELL—Anderson J. F. Lumber Co.
SIOUX FALLS—Ross H. W. Lumber Co.
Loonan Lumber Co.
Tuthill J. W. Lumber Co.
YANKTON—Loonan Lumber Co.

TENNESSEE.

BRISTOL—Mitchell-Powers Hardware Co.
Stone Lumber Co.
CHATTANOOGA—Chattanooga Builders' Supply Co.
Gager Lime & Mfg. Co., James bldg
Howard Park Brick Co., 706 E 9th
Sloan & Company, 706 E 9th
JACKSON—Central Lumber Co.
City Lumber Co.
Enochs Lumber Co.
KNOXVILLE—Chandler & Co., 426 W Depot
King, Mantel & Furn. Co., 306 S Gay
Knoxville Lumber & Mfg. Co., 612 E Depot
Tenn. Lime & Sand Co., Island Home pk
Wright Cruze Hardware Co., 318 S Gay
MEMPHIS—Cook A. J. & Co., 440 N Decatur
Crump Bros., Raleigh rd
Pidgeon Thomas Iron Co.
MORRISTOWN—Baylor C. E. Co.
NASHVILLE—Hardison W. T. & Co., ft. Shelby av
Herbert T. L. & Sons, 174 3rd av N
Kirkpatrick J. O. & Sons, 140 N 1st
Love, Boyd & Co., ft. of S 2nd
Nashville Builders' Supply Co., ft. of Fatherland
Norvell & Wallace, 601 Broad
Ransom J. B. & Co., 110 N 1st
Southern Door & Glass Co., 218 2nd av N
TULLAHOMA—Lawson T. D.

TEXAS.

ALBANY—Rockwell Bros. & Co.
AUSTIN—Austin White Lime Co.
Tips Walter Co.
BASTROP—Willbarger J. L.
BEAUMONT—Texas Bldrs' Supply Co.
CISCO—Burton-Lingo Co.
CLEBURNE—Burton-Lingo Co.
Wilson H. S.
COLORADO—Burton-Lingo Co.
CORPUS CHRISTI—Sidbury Lumber Co.
CORSICANA—Whitselle Brick & Lumber Co.
DALLAS—Fraser Brick Co.
Griffiths & Co.
Lyon-Gray Lbr. Co.
Moore & Co.
DENISON—Hanna Bros.
Lingo-Leeper Co.
DENTON—Wilson J. B. & Co.
EL PASO—Bassett O. T. & Co.
Courchesne A.
El Paso Lumber Co.
Santa Fe Fuel Co.
Sheehan-North Co., Dept. H
FORT WORTH—Burton-Lingo Co.
Cameron Wm. & Co.
Nash Hardware Co.
Owens B. W. Lumber Co.
Smith Cicero I. Co.
GALVESTON—Fowl & McVitie
Parr Wm. & Co.
GROESBECK—Walker & Sons
HOUSTON—Barthold & Builders Sup. Co.
Farrar Lumber Co., Dept. H, Texas & Dowling
Humphreville W. E.
Macatee W. L. & Sons
Walcott Frank B.
KERRVILLE—Schreiner Chas. Co.
LAREDO—Deutz A. & Bro.
Johnson S. N.
MASON—Grosse R. E.
NAVASOTA—Youens J. & Co.
ORANGE—Lutcher & Moore Lumber Co.
Miller-Link Lumber Co.
Sabine Supply Co.
PALESTINE—Broyles W. & G. D.
PARIS—Bettes H. S. Hardware Co.
SAN ANTONIO—Builders' Supply Co.
Dielmann Jno. C.
SCHULENBERG—Schaefer H. P.
SHERMAN—Fielder A. A. Lumber Co.
Wilson J. B. & Co.
TEMPLE—Campbell C. M. & Sons
Hollingsworth Joseph
TEXARKANA—Hoffman Hardware Co.
VICTORIA—Goldman A.
WACO—Brazelton-Lumber Co.
Nash-Robinson Co.

UTAH.

OGDEN—Eccles Lumber Co.
Lowe Geo. A. Co.
SALT LAKE CITY—Curtis C. E. & Co., Templeton bldg
Langston Lime & Cement Co.
Morris Elias & Sons Co.
Morrison, Merrill & Co.
Portland Cement Co. of Utah
SPANISH FORK—Jex Lumber Co.

VERMONT.

BRATTLEBORO—Morse W. A., Dept. H.
Robbins & Cowles
BURLINGTON—Burlington Grocery Co.
CAVENDISH—Robbins B. A. Lime Co.
FAIR HAVEN—Reed Coal Co.
NEWPORT—Macdiarmid & Co.
POULTNEY—Bixby E. M.
Ripley Lumber Co.
Sherman S. & Son
RANDOLPH—Lamson J. H. & Sons
RUTLAND—Burditt Bros.
Curtis S. P. & Son
Landon Walter C. & Co
ST. ALBANS—Bostwick Bros.
ST. JOHNSBURY — Caldbeck-Cosgrove Corp.
Ide E. T. & H. K.

VIRGINIA.

ALEXANDRIA—Robinson's Geo. H. Sons
Smoot W. A. & Co.
BERRYVILLE—Baker H. W.
BRISTOL—Virginia Woodworking Co.
CHARLOTTESVILLE—King Lumber Co.
Wood, Vest & Co.
CHASE CITY—Roberts B. A. Son & Co.
HAMPTON—Born L. & Son.
Heffelfinger Co.
LYNCHBURG—Adams Bros. Paynes Co.
De Witt H. E. Lumber Co.
Taylor W. O.
NEWPORT NEWS—Acme Supply Co.
Benson-Phillips & Co.
NORFOLK—Batchelder & Collins
Bayne C. M. & Co.
Building Supplies Corp.
Dixie Lime & Cement Corp.
Friebus G. S.
Gamage John O.
Jones & Co.
Nash C. A. & Son, 113 Atlantic
Nottingham & Wrenn Co.
NORTH HOLSTON—Southern Gypsum Co.
PETERSBURG—Friend & Co.
Stratton Supply Co.
PHOEBUS—Tennis Edgar M.
PORTSMOUTH—Oast Samuel P., 1101 Court
Portsmouth Contractors Supply Corp.
RICHMOND—Earnest Bros., 805 E Franklin
Hawes S. H. & Co., 1801 E Cary
Lathrop C. P. & Co., 1600 E Marshall
Moore, Warner & Co., 17th
Sitterding-Carneal-Davis Co., 1601 W Leigh
ROANOKE—Adams, Payne & Gleaves
Central Mfg. Co.
Exchange Lumber Co.
Virginia Lumber & Mfg. Co.
STAUNTON—Clem Bros.
SUFFOLK—Allen R. R.
Folk E. L. Co.
WARRENTON—Wood, P. D. & Co.
WINCHESTER—Glaize Bros.

WASHINGTON.

ANACORTES—Curtis Wharf Co.
BELLINGHAM—Cain-Grimshaw Co.
Morse Hardware Co.
CHELAN—Dunham H. E.
ELBERTON—Eitel H. C.
EVERETT—Builders Supply Co., 33nd & Hill av
Shaw Harry W.
KELSO—Remick A. R.
KETTLE FALLS—Richard D. M.
NORTH YAKIMA—Fosseen A. B. & Co.
ODESSA—Finney G. W. Lumber Co.
OKANOGAN—Dunham W. H.
OMAK—Omak Lumber Co.
SEATTLE—Balfour-Guthrie & Co.
Clay Products Delivery, 1546 Westlake
Crowe F. T. & Co.
Curtiss Wm. M. Co., 5016 20th, N W
Denison Interlocking Tile Corp., White bldg
Dudley G. S. & Sons
Elmer & Moody Co., 2229 1st av
Fryer David E. & Co.
Galbraith, Bacon & Co.
Kerr, Gifford & Co.
McMullen & Co.
Monks & Miller
Rodgers Chas. W. Co., Maritime bldg
Savage-Scofield Co., 1733 Westlake av N
Sherman A., 1265 1st av S
Spring Hill Fuel Co.
Te Roller, H., Pioneer bldg
SEDRO WOOLLEY—Skagit Commission Co.
SOUTH BEND—Rude C. O.
SPOKANE—Consolidated Supply Co., W 1310 Ide av
Empire Tile & Mantel Co., 1022 Sprague
Fryer D. E. & Co., H, Paulsen bldg
Idaho Lime Co.
Kilmer & Sons Co., 1001 1st av
Lanahan H. G. & Co., 316 N Division
Pearson-Mowbray Co., 131 E August av
Washington Brick Lime & Sewer Pipe Co.
SUMAS—Thomas Rees
TACOMA—Barlow C. S. & Sons Inc., 1715 Dock
Crowe F. T. & Co. (Complete Line)
Dower John Lumber Co., Tide Flats
Griffin Transfer Co.
Savage-Scofield Co., 1533 Dock
WALLA WALLA—Loney Samuel & Co.
Snell Geo. H.
WATERVILLE—Stevens Lumber Co.

WEST VIRGINIA.

BUCKHANNON—Alton Lbr. Co.
Drummond T. B. & Co.
CHARLESTON—Courtney Co.
Goshorn Hardware Co.
HUNTINGTON—Dickerson Lumber Co.
Miller Supply Co.
Minter Homes Corp. (Bldrs. Only), 300 3rd av
Mossman Bros. Co.
HURRICANE—McCallister Wm. H.
KEYSER—Liller W. A.
Steorts H. G.
MORGANTOWN—Morgantown Brick Co.
PARKERSBURG—Beckwith Joel
Niswander G. W. & Co.
Senseman J. M. Lumber Co.
Smith W. H. Hdwe. Co.
WHEELING—Chapman W. A. & Sons

WISCONSIN.

APPLETON—Marston Bros. Co.
Ideal Lumber & Coal Co.
ASHLAND—Ashland Lime, Salt & Cement Co.
BARABOO—Stewart & Alexander Lumber Co.
BEAVER DAM—Roedl & Jacobs Co.
BELOIT—Beloit Lumber Co.
Keeler Lumber & Fuel Co.
McGavock Bros.
Rock River Lumber Co.
Star Coal Co.
BERLIN—Wilbur Lumber Co.
BLACK EARTH—Mickelson A. A. & Son
BLACK RIVER FALLS—Black River Falls Lumber & Mercantile Assn
BOSCOBEL—Ruka Bros. Mfg. Co. (Ltd.)
BURLINGTON—Wilbur Lumber Co.
CHIPPEWA FALLS—Clark Grain & Fuel Co.
Coleman H. B.
EAU CLAIRE—Evans-Lee Co.
FORT ATKINSON — Zeugner-Hoffman Lumber Co.
FOUNTAIN CITY—Roettiger H. & F.
GRAND RAPIDS—Bossert Fred.
GREEN BAY—Barkhausen Henry A.
Flatley Bros. Co.
Killman & Challe
HARTFORD—Grimm John A.
HONEY CREEK—Wilbur Lumber Co.
JANESVILLE—Brittingham & Hixon Lumber Co.
Fifield Lumber Co.
Schaller-McKey Lumber Co.
KAUKAUNA—Kaukauna Lumber & Mfg. Co.
KENOSHA—Dunnebacke Co.
LA CROSSE—Colman C. L. Lumber Co.
Hart H. C. Implement Co.
Sobkowiak Frank
LAKE GENEVA—Durkee F. M. & Son
Wilbur Lumber Co.
MADISON—Britlingham & Hixon Lbr. Co.
Castle & Doyle.
Conklin & Sons Co.
Cooley C. F.
MANAWA—Little Wolf River Lumber Co.

MANITOWOC—Johnson J. G.
Manitowoc Land & Fuel Co.
MARINETTE—Ludington N. Co.
Lyon Bros.
MARSHALL—Wilbur Lumber Co.
MENASHA—Plummer H. H.
MILTON—Saunders T. A. & Son
MILWAUKEE—**Burnham Bros. Brick Co., 68 Wisconsin**
Cream City Sand Co., 601 Edison
Druecker Jos. Sons' Co., Atwater rd
Milwaukee Building Supply Co., 425 E Water
Milwaukee Falls Lime Co.
Milwaukee Sand & Gravel Co., 779 N Water
Moritz F. G., Pabst bldg
Pipkorn W. H. Co.
Ricketson & Schwarz, 432 B'way
Taylor, Button Fuel Co., Pt. Wash. rd
Waukesha Lime & Stone Co., 425 E Water
Western Lime & Cement Co., Pabst bldg
Wilbur Lumber Co., Pabst bldg
MONROE—**Becker Wm. A. Co.**
Dodge Lumber Co.
NEENAH—Twin City Fuel Co.
NORTH LAKE—Wilbur Lumber Co.
NORTH MILWAUKEE—Eggert Charles
OSHKOSH—Cook & Brown Lime Co.
Hollister, Amos & Co.
PORTAGE—Mohr C. F.
RACINE—Asdahl & Nelson
RHINELANDER—Brown Bros. Lumber Co.
Robbins Lumber Co.
RICHLAND CENTER—Krouskop A. H.
SAUK CITY—Lachmund Lumber & Coal Co.
SEYMOUR—Droeger Hardware Co.
Miller & Piehl
SHEBOYGAN—Ebenreiter Lumber Co.
SILVER LAKE—Wilbur Lumber Co.
SPRINGFIELD—Wilbur Lumber Co.
SULLIVAN—Collins Bros. Lumber Co.
WATERLOO—Wilbur Lumber Co.
WATERTOWN—Burns J. W.
Tetzlaff H.
WAUKESHA—Gittner Coal & Supply Co.
Palmetier & Abel Lumber Co.
Wilbur Lumber Co.
WAUPACA—Waupaca Sand & Gravel Co.
WAUSAU—Curtis & Yale Co.
Nickel Hardware & Supply Co.
Paff, Wm. A.
Stewart Alexander Lumber Co.
WEST ALLIS—Meigs H. G. Co.
Wilbur Lumber Co.
WESTFIELD—Cochrane T. H. Co.
WHITEWATER—Whitewater Lumber Co.

WYOMING.

LARAMIE—Holliday W. H. Co.

9600—Mast Arms (Arc Lamp, Etc.)

Brady Electric Mfg. Co., New Britain, Conn.
Buffalo Specialty Co. ("Duplex"), 375 Ellicott, Buffalo, N. Y.
Creaghead Engineering Co., 340 Main, Cincinnati
Cutter George Works of Westinghouse Elec. & Mfg. Co. ("Cutter"), South Bend, Ind.
Electric Railway Equipment Co., Cincinnati, O.
Fletcher Mfg. Co., Dayton, O.
Harrison Electric Co., 1088 De Kalb av, Brooklyn, N. Y.
Hubbard Co., 63rd & Butler, Pittsburgh, Pa.
Line Material Co., So. Milwaukee, Wis.
Lundin Electric & Machine Co., 10 Thatcher, Boston, Mass.
Pettingell Andrews Co. ("Philbrick"), 166 Pearl, Boston, Mass.
Philadelphia Electrical & Mfg. Co. ("Pemco," Made from Pipe), 1236 N 31st, Phila., Pa.

9601—Masticators (Rubber & Carbon)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
Bakers Sons J. & Perkins Co. Inc. ("Universal"), Dept. H, White Plains, N. Y.
FARREL FOUNDRY & MACHINE CO. (Rubber), 30 Main, Ansonia, Conn.
See adv index at end of book

9602— Masts & Spars

Boston Oregon Mast Co., 131 Coleridge, East Boston, Mass.
Endresen Spar & Timber Co., Hoquiam, Wash.
Hoskins J. S. Lumber Mfg. Co., 1400 Hearst Tower bldg, Baltimore, Md.
Lawley Geo. & Son Corp., Neponset, Boston, Mass.
Northwest Lumber Co., Seattle, Wash.
Ostrander Ry. & Timber Co., Ostrander, Wash.
Pacific Mutual Door Co., Tacoma, Wash.
Pigeon, Fraser Hollow Spar Co. (Clear White Spruce, Hollow & Solid Spars, 20 to 120 ft.), E Boston, Mass.
POLE & TUBE WORKS, INC. (Tubular Steel), Av D & Murray, Newark, N. J.
Pope & Talbot, ft. of 3d, San Francisco, Cal.
Puget Mill Co., Seattle, Wash. Mills: Port Gamble, Wash.
St. Paul & Tacoma Lumber Co., Tacoma, Wash.
Simmons John Co. (Tubular Steel, Flag & Radio Poles), 110 Centre, New York.
See adv index at end of book
Tacoma Mill Co., Tacoma, Wash.
Union Spar Co., Gloucester, Mass.
Woodall Wm. E. & Co., ft of Woodall, Baltimore, Md.

9602a— *Masts (Radio)

POLE & TUBE WORKS INC. (Tubular Steel), Ave D & Murray, Newark, N. J.
Royal Steel Products Co., 1440 Broadway, New York

9603— Match Mfrs.

Budde & Westermann ("Triangle" Brand Safety), 7th av & 29th, New York
Diamond Match Co., 111 B'way, New York
Fear Fred Match Co., Bloomsburg, Pa.
Huner John T., Evergreen, N. Y.
Indiana Match Corp., Crawfordsville, Ind.
Lion Match Co., Inc. (In safety book form), 250 W 57th, New York
Merkle-Wiley Broom Co., Paris, Ill.
Metropolitan Match Co., 503 Market, San Francisco, Cal.
Ohio Match Co., Wadsworth, O.
Penna. Match Co., Bellefonte, Pa.
Reliable Match Co., Ashland, O.
Sommers Bros. Match Co., Saginaw, Mich.
Union Match Co., Duluth, Minn.

9604—Mats (Asbestos Table)

Carey Philip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, Ohio
Chicago Asbestos Table Mat Co. ("Peerless" Dining Table), 2815 Irving Pk. blvd., Chicago, Ill.
Healey Geo. R. Mfg. Co., 848 Santer, Los Angeles, Cal.
Johns-Manville Inc., Madison av & 41st, New York
Keasbey & Mattison Co. ("Kaynum"), Ambler, Pa.
Kerney Mfg. Co., 148 W 62nd, Chicago, Ill.
Rishel J. K. Furniture Co., Williamsport, Pa.
Turner Asbestos Co. ("Bunker Hill"), Exeter, N. H.
U. S. Asbestos Co., 45 N Duke, Lancaster, Pa.

9605— Mats (Blasting)

Anchor Blasting Mat & Rope Co., 245 E 32nd, New York
Dienst A. P. & Co., 2604 3d av, New York

9606—Mats (Combination Cocoa & Steel)

Hinman D. A. & Co. ("Peerless" Door), Sandwich, Ill.

9607— Mats (Cork)

Armstrong Cork Co. (Bath & Table), 24th & A. V. R. R., Pittsburgh, Pa.
La Porte Mat & Mfg. Co. ("Dreadnaught") ("Foot") ("Steelbound"), La Porte, Ind.

9608—Mats (Felt, Steel Bound)

Carey Philip Mfg. Co. ("Carey Ezola"), 330 Wayne av, Lockland, Cincinnati, Ohio
La Porte Mat & Mfg. Co. ("Dreadnaught" Tread), La Porte, Ind.

9609— Mats (Hair)

Pacific Coast Beef & Provision Co., Los Angeles, Cal.
Wilson & Co., Union Stock Yards, Chicago, Ill.

9610—Mats (Leather Rolling)

Climax Motor Devices (Magneto & Generator Couplings), 5209 Prospect av, Cleveland, O.
Leather Mat Mfg. Co. Inc. ("Leathermat"), "Beatsall"), 340 Sansome, San Francisco, Cal.
Leathersteel Products Co. ("Leathersteel"), 73H Long Wharf, Boston 9, Mass.
Lynn Leather Washer & Mat Co., E Lynn, Mass.
Page Belting Co., Concord, N. H.
Salisbury W. H. & Co. (Leather Link), 308 N Madison, Chicago, Ill.

9611— Mats (Picture)

Chicago Mat Board Co., 664 Washington blvd, Chicago, Ill.
Mueller Bros. Art & Mfg. Co., 2641 Polk, Chicago, Ill.

9611a—*Mats (Press Cloth)

Oriental Textile Mills (Hair & Wool), Houston, Tex.

Mats (Rubber)

See Mats & Mattings, Steel Wire

Mats (Steel Wire)

See Mats & Mattings, Steel Wire

9612— Mats (Stove)

Keasbey & Mattison Co. (Asbestos), Ambler, Pa.
New Standard Hardware Works Inc., Mount Joy, Pa.
Peoria Can Co. (Asbestos), Peoria, Ill.

9613— Mats (Street Car)

See also Other Mat Classifications

Acme Steel Goods Co., 2834 Archer av, Chicago, Ill.
CARY MFG. CO. ("Cary" Flexible Steel), Nassau & Jay, Brooklyn, N. Y.
See adv index at end of book
Leathersteel Products Co., 73 Long Wharf, **Boston 9, Mass.**

9614— Mats (Switchboard)

Bryant Electric Co., 1421 State, Bridgeport, Conn.
Cincinnati Rubber Mfg. Co. (The), Norwood, Cincinnati, Ohio
See adv index at end of book
Consumers Rubber Co. ("Euclid"), 1302 Ontario, Cleveland, O.
Goodyear Tire & Rubber Co., Inc. ("Goodyear"), 1144 Market, Akron, O.
Mathias-Hart Co., 516 Atlantic av, Boston, Mass.
U. S. Rubber Co., 1790 Broadway, New York *See adv index at end of book*

"U. S." Switchboard MATS
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

9615— Mats (Wire Table)

Woods-Sherwood Co., Worcester, Mass.

9616— Mats (Wood)

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Modern Mfg. Co. ("Clean U. Well" Door), Hagerstown, Md.

9617— Mats (Wood Rolling)

See also Mats, Street Car

Keystone Wire Matting Co. ("Rolamat"), Beaver Falls, Pa.

9618—Mats & Matting (Cocoa)

Darragh Small Co., Ltd. (Calcutta & Domestic), 177 Water, New York
Eastmond & Co. (Imp.), 212 5th av, New York
Fels Fibre Fabric Co., Lowell, Mass.
Heywood Bros. & Wakefield Co., Gardner, Mass.
Lamond & Robertson Co., Paterson, N. J.
McCabe Benj. & Bro., 19 W 18th, New York
Pick Albert & Co., 212 W Randolph, Chicago, Ill.
Rancocas Mills ("Diamond J. D."), Trenton, N. J.
Wild Jos. & Co., 230 5th av, New York
WILLIAMS & WELLS CO. (Imp.), 253 Fulton, New York
See adv index at end of book

9619—Mats & Matting (Rattan, Etc.)

Heywood Bros. & Wakefield Co., Gardner, Mass.

"U. S." RUBBER MATS AND MATTING
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

9620—Mats & Matting (Rubber)

See also Tile, Rubber

American Abrasive Metals Co. ("Vulcalun"), 50 Church, New York
Acme Rubber Mfg. Co., Trenton, N. J.
Boston Belting Corp., 84 Linden Park, Boston, Mass.
Boston Woven Hose & Rubber Co. ("Bull Dog," "Tiger," "Standard," "Lenox," "Pyramid," "Lenox Bath"), Cambridge, Mass.
Cantslip Manufacturing Co. ("Cantslip"), 161 Cedar, New York
Cincinnati Rubber Mfg. Co. (Knob, Perforated, Corrugated Mats), Norwood, Cincinnati, Ohio
See adv index at end of book
Combination Rubber Mfg. Co., Bloomfield, N. J.
Continental Rubber Works ("Vitalic"), 19th & Liberty, Erie, Pa.

(Continued on following page)

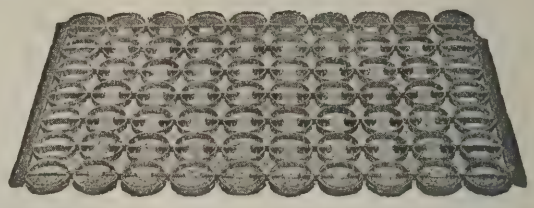
For Entrances, Corridors and Floor Spaces Exposed to Hard Service, Dirt or Wet

CARY'S EVERLASTING FLEXIBLE STEEL MAT

HAS A SCRAPING SURFACE IN ALL DIRECTIONS

SANITARY—SELF-CLEANING—RUST-PROOF
REVERSIBLE

MADE IN ROLLS AND TWELVE REGULAR SIZES
SPECIAL SIZES MADE TO ORDER



Patented in the United States and Foreign Countries

CARY MFG. CO., Nassau and Jay Sts., BROOKLYN, N. Y.

Branch Office and Warehouse, 1739 North Wells Street, Chicago, Ill.

Mats & Matting (Rubber)—Cont.

Cushion Pedal Co., 287 San Fernando rd, Los Angeles, Cal.
Darcoid Company, 1780 Broadway, New York *See adv index at end of book*
Empire Tire & Rubber Corp. (of Every Description), Trenton, N. J.
Essex Rubber Co. ("Pyramid"), Trenton, N. J.
Federal Rubber Co. The, Cudahy, Wis.
Goodrich B. F. Co., Akron, O.
Goodyear Rubber Co., 539 Mission,, San Francisco, Cal.
Goodyear Tire & Rubber Co., Inc. ("Goodyear" Corrugated, Perforated, Cuspidor, etc.), 1144 E Market, Akron, O.
Gutta Percha & Rubber Mfg. Co. (Perforated Door, Barber, Corrugated, Pitcher, Cuspidor Bottle, Diamond), 350 Madison av, New York
Hamilton Rubber Mfg. Co., Trenton, N. J.
Hewitt Rubber Co. ("Magnus," "Elmwood" Knot Corrugated & Alternate Design; also Perforated Mats), Buffalo, N. Y.
Home Rubber Co., Trenton, N. J.
Manhattan Rubber Mfg. Co., Passaic, N. J.
Mechanical Rubber Co., Cleveland, O.
Mercer Rubber Co., Hamilton sq, N. J.
Midwest Rubber Co. (Automobile), 1657 Doan, Cleveland, Ohio
National India Rubber Co. (Perforated Mould, etc), Bristol, R. I.
N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
N. Y. Belting & Packing Co., 91 Chambers, New York
Pennsylvania Rubber Co. (Corrugated, Cuspidor, Bath Tub, Perforated Pebble, Pressed, Automobile, etc), Jeannette, Pa.
Perrott Mfg. Co., Dept. H, Beaver Falls,
Pioneer Rubber Mills, 68 Sacramento, San Francisco, Cal.
Quabaug Rubber Co., North Brookfield, Mass.
Quaker City Rubber Co. ("Crown," "Hercules," "Quaker City"), 3927 Comly, Phila., Pa. *See adv index at end of book*
Republic Rubber Co., Youngstown, O.
Revere Rubber Co., Chelsea, Boston, Mass.
Rubtex Co. (Automobile), W 14th & N West, Indianapolis, Ind.
Salisbury W. H. & Co. ("Electric," "Perforate" & "Velvet"), 303 N Madison, Chicago, Ill.
Tyer Rubber Co. (Door, Pitcher, Coin & Barbers' Mats), Andover, Mass.
United & Globe Rubber Co., Trenton, N. J.
U. S. Rubber Co. ("U. S." Motomats, "U. S." Perforated Mats, "U. S." Metal Inserted), 1790 Broadway, New York *See adv index at end of book*

USCO Rubber STAIR TREADS
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

Universal Safety Tread Co. (Automobile), Waltham, Mass.
Victor Rubber Co., Springfield, O.
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
Western Rubber Co. (Door & Small Mats Only), Goshen, Ind.
Woven Steel Hose & Rubber Co., Trenton, N. J.

9621— Mats & Matting (Steel)

Acme Steel Goods Co. ("Acme" Flexible Reversible Steel Mats), 2834 Archer av, Chicago, Ill.
CARY MFG. CO. ("Cary" Everlasting Flexible), Nassau & Jay, Brooklyn, N. Y. *See adv index at end of book*
Cyclone Fence Co. (Sanitary Steel Door Mats), Waukegan, Ill.
Fernald Mfg. Co. ("Sleeth" Flexible), North East, Pa.
Hamblin & Russell Mfg. Co. (Elastic Steel Door Mats), Worcester, Mass.
Jencks E. Mfg. Co. (Elastic Steel Door Mats), Worcester, Mass.
Keystone Wire Matting Co. ("Keystone" Flexible), Beaver Falls, Pa.
LaPorte Mat & Mfg. Co. ("Hercules" Flexible), La Porte, Ind.
McKinney Mfg. Co., Liverpool & Metropolitan, Pittsburgh, Pa.
Pettler Wire Products Co. ("Cleanwell" Flexible Steel), Beaver Falls, Pa.
Smith F. P. Wire & Iron Works (Flexible, Flat Steel), 2340-48 Clybourne av, Chicago, Ill. *See adv index at end of book*
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

9622—Mats & Matting (Steel Wire)

Cyclone Fence Co., Waukegan, Ill.
Darby Edw. J. & Son, 319 Vine, Phila., Pa. *See adv index at end of book*
Keystone Wire Matting Co. ("Ideal"), Beaver Falls, Pa.
La Porte Mat & Mfg. Co. ("Eclipse," Door), La Porte, Ind.
LUDLOW-SAYLOR WIRE CO. (Sink), 600-640 S Newstead av, St. Louis, Mo. *See adv index at end of book*
McKinney Mfg. Co., Liverpool & Metropolitan, Pittsburgh, Pa.
Parker Wire Goods Co. (Flexible Wire Door Mats), Worcester, Mass.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
SMITH F. P. WIRE & IRON WORKS, 2340-48 Clybourn av, Chicago, Ill. *See adv index at end of book*
Smith T. S., 269 Pearl, New York
Standard Wire Co., New Castle, Pa.
U. S. Wire Mat Co. ("U. S. Flexible"), Decatur, Ill.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Williams Geo. A. & Son (("Keystone," Flexible), 85 Fulton, New York
Washburn Co. (Wire Goods Div.), 28 Union, Worcester, Mass.
Worth Wire Works, Kokomo. Ind.

9623— Matting (Aluminum)

ERDLE PERFORATING CO., 171 York, Rochester, N. Y. *See adv index at end of book*
Metallic Automobile Matting Co., 181 York, Rochester, N. Y.
Universal Safety Tread Co. (Automobile), Waltham, Mass.

9624—Matting (Electric Floor)

Partrick & Wilkins Co., 51 N 7th, Phila., Pa.

9625— Matting (Fibre)

Harvey Fibre Carpet Co. ("Kolorfast"), Trenton & Allegheny av, Phila., Pa.
New England Rug Co. ("Melrose"), Lawrence, Mass.
Plymouth Mills, 15 E 26th, New York

9626— Matting (Grass)

Brandenstein M. J. Co. (Imp.), 665 3d, San Francisco, Cal.
Crex Carpet Co. ("Crex"), 295 5th av, New York
Deltox Grass Rug Co. ("Deltox"), Oshkosh, Wis.
Jacob Chas. W. & Allison (Imp.), (Rafia Grass), 18 Cedar, New York
Waite Grass Carpet Co., Oshkosh, Wis.
Willow Grass Rug Co. (Rugs), Green Bay, Wis.

Matting (Insulating)

See Mats, Switchboard

9627— Mattocks

See also Picks, Mattocks & Grub Hoes

Hubbard & Co. (Asphalt, Brush, Nursery, Pick), 63d & Butler, Pittsburgh, Pa.
Warren Tool & Forge Co. (Pick), 145 Griswold, Warren, O. *See adv index at end of book*
Warwood Tool Co., 19th, Warwood, Wheeling, W. Va.

9628-9— Mattresses

Abbott J. G., Est of, Antrim, New Hampshire
Abernathy Furniture Co., 1515 W 9th, Kansas City, Mo.
Acme Bedding Co., 526 S Alameda, Los Angeles, Cal.
Acme Spring Bed & Mattress Co., Fort Smith, Ark.
Advance Bedding Co., La Crosse, Wis.
Akron Mattress Mfg. Co., Akron, O.
Alabama Broom & Mattress Co., Huntsville, Ala.
Albers & Lorenz, 635 E Water, Milwaukee, Wis.
American Bedding Co., Superior, Wis.
American Mattress, 294 Harrison av, Boston, Mass.
Anchor Spring & Bedding Co., 100 N 1st, Nashville, Tenn.
Anderson Mattress Co., Anderson, Ind.
Anderson Mattress & Spring Co., Anderson, S. C.
Angelus Furniture Mfg. Co. (Cotton, Felt & Kapok), 947 E Pico, Los Angeles, Cal.
Apex Bedding Co., 18th & Peralta, Oakland, Calif.
Aronauer Jos., 133 Chrystie, New York
Athens Mattress & Spring Co., Athens, Ga.
Augusta Bedding Co., Augusta, Ga.
Automatic Woven Wire Supply Co., Mangin & Delancey, New York
Avery Frank F., Framingham, Mass.
Bailey Schmitz Co., E 7th & Santa Fe av, Los Angeles, Cal.
Baker O. D. Co., 77 Washington N, Boston, Mass.
Balyeat Mfg. Co., Mansfield, O.
Barcalo Mfg. Co., Buffalo, N. Y.
Bedell Mfg. Co., 616 E N W., Washington, D. C.
Bellingham Bedding Co., Bellingham, Wash.
Bent G. W. Co., 112 Canal, Boston, Mass.
Berger Wm. & Co., 393 Florida, Milwaukee, Wis.
Bergstein Bros., 203 Plymouth av, Minneapolis, Minn.
Bernhard Mattress Co., 739 Mission, San Francisco, Cal.
Bernstein Mfg. Co., 3d & Allegheny av, Phila., Pa.
Billow-Firestone Co., Columbus, O.
Blackmore Co., 2108 Cass, St. Louis, Mo.
Bloom & Godley Co., Trenton, N. J.
Blystone F. M., Elmira, N. Y.
Blystone W. I. & Son, Jamestown, N. Y.
Bowles & Bals, Corry, Pa.
Brandwein A., 2341 State, Chicago, Ill.
Bryant Uph. Furniture Co., 1622 W 7th, Los Angeles, Cal.
Buffalo Mattress Co., 135 Church, Buffalo, N. Y.
Buelderick Fred E., Dempsey & C. H. & D. R. R., N. Fairmt, Ohio
Bunting J. R. Bedding Co., 1505 Wharton, Phila., Pa.
Burton, Dixie Corp. (Cotton Felt, Hair & Kopak), 2024 S Racine, Chicago, Ill.

California Wall Bed Co. ("Tie-End" mattresses for Wall Beds), 714 Market, San Francisco, Cal.
Cameron Bros., 822 Federal, Pittsburgh, Pa.
Canton Mattress Co., 704 Tuscarawas E, Canton, O.
Carr Loftus H. & Co., 288 Flushing av, Brooklyn, N. Y.
Carman Mfg. Co., H & 25th, Tacoma, Wash.
Carter Bros. Mattress Co., N Chattanooga, Chattanooga, Tenn.
Cashion J. B. & Sons, Cornelius, N. C.
Chandley Co., 274 Shrewsbury, Worcester, Mass.
Chattanooga Mattress Co., 1st & Market, Chattanooga, Tenn.
Chittenden & Eastman Co., Burlington, Ia.
Cincinnati Cushion Co., 116 Opera Pl., Cincinnati, O.
Classe F. M., 2727 S B'way, St. Louis, Mo.
Cleese John P. Co., 18th & York, San Francisco, Cal.
Coglan W. J., Kankakee, Ill.
Cohen Louis, 208 E 128th, New York
Colonial Bedding Co., Fredericksburg, Va.
Colorado Bedding Co., Pueblo, Colo.
Columbia Feather Co., 413 W Huron, Chicago, Ill.
Cooney & Smith, Saginaw, Mich.
Cooper Mfg. Co. (Mfg. & Jobbing—Wholesale Only), 916 S 9th, Waco, Tex.
Cooper Mattress Mfg. Co., Columbus, Ga.
Cream City Bedding Co., 3200 Fond du Lac av, Milwaukee, Wis.
Crescent Feather Co., 101 Kansas, San Francisco, Cal.
Danville Lounge & Mattress Co., Danville, Ill.
Davenport Bedding Co., Davenport, Ia.
Day H. L. Sons & Co., Bangor, Me.
Denver Bedding Co., 1300 Arapahoe, Denver, Colo.
Dixie Mattress Co., Hattiesburg, Miss.
Dodge-Dickinson Co., Bloomington, Ill.
Dougherty H. D. & Co., 17th & Indiana, Phila., Pa.
Doup L. G. Co., Omaha, Nebr.
Dow Co. (Woven Wire), 201H N Buchanon, Louisville, Ky.
DuBell Mfg. Co., Bath, N. Y.
Dubuque Mattress Factory, Dubuque, Ia.
Eau Claire Bedding Co., Eau Claire, Wis.
Eckerson Bedding Co., Mechanicsville, N. Y.
Electric City Bedding Co., 702 W Lacka av, Scranton, Pa.
Emmons Bros., Meridian, Miss.
Enterprise Mattress Co., 80 Traverse, Boston, Mass.
Evansville Mattress & Couch Co., 300 Cent. av, Evansville, Ind.
Empire Mattress Co. ("Centerfilled"), 2231 W. Madison, Chicago, Ill.
Ervin Mfg. Co., El Paso, Texas
Fahnstock & Miller, Chambersburg, Pa.
Fett John, 2715 S. Halsted, Chicago, Ill.
Fogg M. W., 202 Front, New York
Folding Mattress Co., 312 Oak, New Haven, Conn.
Fort Pitt Bedding Co., Liverpool & Preble, Pittsburgh, Pa.
Fort Worth Feather & Mattress Factory, Fort Worth, Texas
Foster Bros. Mfg. Co., 320 N Holliday, Baltimore, Md.
Garetson Mfg. Co., San Diego, Cal.
Gavin Joseph, 1133 S 8th, Phila., Pa.
Glen Nicholas T., Phila., Pa.
Globe Mattress Mfg. Co., 98 Friend, Boston, Mass.
Graham Mattress Co., Graham, Va.
Grand Rapids Bedding Co., Grand Rapids, Mich.
Greater New York Bedding Co., 39 East, New York
Grona A., San Antonio, Texas
Gross H. E. & Co., 819H Reedsdale, Pittsburgh, Pa.
Grossberg H. T. & Co., 4426 N Central pk av, Chicago, Ill.
Haggard & Marcusson Co., 1109 W 37th, Chicago, Ill.
Hall Frank A. & Sons, 120 Baxter, New York
Harbach's L. Sons Co., Des Moines, Ia.
Hard Mfg. Co., 117 Tonawanda, Buffalo, N. Y.
Hardock Benj., 531 N 2d, Phila., Pa.
Harmon F. S. & Co., 1933 Pacific av, Tacoma, Wash.
Hartford Mattress Co., Kilborn & blvd, Hartford, Conn.
Hartman Bros., Quincy, Ill.
Harvey Wm., Norristown, Pa.
Hasselbarth C. O., Albany, N. Y.
Hawkes L. W. & Co., Lowell, Mass.
Haynes Mattress Factory, Sealy, Texas
Heilring & Grim Co., 906 Washington av, St. Louis, Mo.
Hemenway Furniture Co., Alexandria, La.
Herr Mfg. Co., Lancaster, Pa.
Hess William T., York, Pa.
Hewitt L. & R. T., South Wethersfield, Conn.
Hinkle E. P. & Co., 433 Maine av, S W, Washington, D. C.
Hirschman J. C. Co., 1201 E Maryland, Indianapolis, Ind.
Hodges Frederick G., Reading, Pa.
Hoey John & Co., Inc. ("Hoey Never Spread," "Silkoline," "Feltex"), 200 Vermont, San Francisco, Cal.
Hoffman Furniture Co., 37 Market, Newark, N. J.
Holmes D. H. Co., 319 Canal, New Orleans, La.
Hotchkiss & Son, Lawrenceville, Pa.
Hullman, Israel J., Binghamton, N. Y.
Hunt M. A. Co., Dempsey & C H & D Ry, Cincinnati, O.
Hyman Frank, 1329 Clybourn av, Chicago, Ill.
International Bedding Co., Guilford & Charles av Baltimore, Md.
Isenberg Bedding Co., Wilmington, Del.
Ives D., Binghamton, N. Y.
James River Furniture & Mattress Co. (Combination), Richmond, Va.
Jamison Spring & Mattress Co., Nashville, Tenn.
Jenks & Muir Mfg. Co., 6441 Hastings, Detroit, Mich.
Johnson C. Upholstering Co., Youngstown, O.
Jonas J. H. & Sons, 5341 S Park av, Los Angeles, Cal.
Joppa Mattress Co., Little Rock, Ark.
Kaiser Jacob Mfg. Co., 3d & Elm, St. Louis, Mo.
Karcher Jacob, Castorland, N. Y.
Keith R. Furniture & Carpet Co., 11th & Grand av, Kansas City, Mo.
Kenyon Chas. F., Ocean Grove, N. J.
Kernan John F., Oswego, N. Y.
Kindel Bedding & Renovating Co., 2200 Zuni, Denver, Colo.
King Bedding Co., 2119-25 W Toronto, Phila., Pa.
King-Fisher Mattress Co. ("King-Fisher"), Portland, Ore.
Kleck J. W., San Antonio, Texas
Kronlund Mattress & Furniture Co., 405 E 25th, Seattle, Wash.
Lariew J. R., Elmira, N. Y.
Lasche Alfred C., 960 N 2nd, Phila, Pa.
Leak, Wall & McRae, Rockingham, N. C.
Lehigh Star Bedding Co., 345 Lehigh, Allentown, Pa.
Lears C. H. & Sons, 934 W Baltimore, Baltimore, Md.
Leath A. & Co., Elgin, Ill.
Lima Mattress Co., Lima, Ohio
Loeser John & Co., 1626 Wabash av, Chicago, Ill.
Little Rock Furniture Mfg. Co., Little Rock, Ark.
Little Rock Mattress Co., Little Rock, Ark.
Logan A. J. Co., 29th & Liberty, Pittsburgh, Pa.
Longview Mattress Co., Longview, Texas
Los Angeles Spring Bed Co., 730 E 60th, Los Angeles, Cal.
Lottman C. F. & Sons, Houston, Texas
Louisville Bedding Co., Louisville, Ky.
Lupfer George B. Co., Columbus, O.
Lycoming Bedding Co., Williamsport, Pa.
McEntire Brothers, Topeka, Kans.
McHose & Pardoe, Fargo, N Dak.
McRoskey & Co., 821 Mission, San Francisco, Cal.
Macon Mattress Mfg. Co., Macon, Ga.
Magarl Morris, 19 Moore, Brooklyn, N. Y.
Magee Mfg. Co., 1513 Tchoupitoulas, New Orleans, La.
Mahoney Wm. Mattress Co., Walpole, Mass.
Malden C. C. & Mattress Co., Malden, Mass.
Manne L., Upholstering & Carpet Cleaning Co., 2724 S Grand av, St. Louis, Mo.
Marion Mattress Works, Marion, Ind.
Martin W. H., Sioux Falls, S Dak.
Mebane Bedding Co., Mebane, N. C.
Meislahn C. F. & Co., 19 Clay, Baltimore, Md.
Memphis Mattress Co., 338 S 3rd, Memphis, Tenn.
Meridian Mattress Factory, Meridian, Miss.
Metropolitan Bedding Mfg. Co., 1017 Folsom, San Francisco, Cal.
Metropolitan Mattress Co., 34 Plympton, Boston, Mass.
Metzger Mattress Co., Atlanta, Ga.
Michigan Bedding Co., 262 Orleans, Detroit, Mich.
Michigan Felting Co., Kalamazoo, Mich.
Milwaukee Bedding Co., 292 4th Milwaukee, Wis.
Missouri Mattress & Glove Mfg. Co., Cape Girardeau, Mo.
Millholen B. D., Cedar Rapids, Ia.
Milwaukee Wadding & Comfort Mills, 416 3d av, Milwaukee, Wis.
Minneapolis Bedding Co., E Hennepin av, Minneapolis, Minn.
Mobile Mattress Co., Mobile, Ala.
Montana Mattress & Furniture Co., Butte, Mont.
Mount Vernon Mattress & Furniture Co., Mount Vernon, Ill.
Montgomery Mattress Factory, Montgomery, Ala.
Mulkey Mattress Co., 607 E 12th, Oakland, Cal.
Murdock & Wilcek ("Maiden Los Angeles), 1763 E 9th, Los Angeles, Cal.
Mutual Bedding Mfg. Co. ("Sandman"), 501 7th, San Francisco, Cal.
Myers-Spalti Mfg. Co., Houston, Tex.
Nashville Spring & Mattress Co., 810 8th av N, Nashville, Tenn.
National Bedding Co., Leavenworth, Kan.
National Bedding Co., Sou R. R., Memphis, Tenn.
National Mattress Co., Lynchburg, Va.
Nelson Bros., Wilkes-Barre, Pa.
Northwestern Bedding & Mfg. Co., Wyclif N cor Bradford, St. Paul, Minn.
Nelson M. Furniture Co., Astoria, Ore.
New York Bedding & Furniture Co., 1731 15th, San Francisco, Cal.
Newark Spring Mattress Co., 80 Madison, Newark, N. J.
New England Bedding Co., 321 Congress, Boston, Mass.
New York Mattress Co., 32 Green, Boston, Mass.
Norfolk Mattress Co. (Combination Straw & Cotton), Norfolk, Va.
Northwestern Bedding & Mfg. Co., Wyclif, N W cor Bradford, St. Paul, Minn.
Norton Mattress & Mfg. Co., Norton, Va.
Oates Mattress Co., Little Rock, Ark.
Ohio Spring Bed Co., 1231 E 38th, Cleveland, O.
Ohio Valley Mattress Co., Wheeling, W. Va.
Oklahoma Spring Bed Mfg. Co., Oklahoma, Okla.
Olive & Myers Mfg. Co., Dallas, Tex.
Onondaga Bed Mfg. Co., Syracuse, N. Y.
Orleans Felt Mattress Works, 512 Conti, New Orleans, La.
Orrville Bedding Co., Orrville, O.
Oshkosh Bedding & Couch Co., Oshkosh, Wis.
Osiason J., Fall River, Mass.
Ostermoor & Co., 116 Elizabeth, New York
Otis Bed Mfg. Co., 170 Florida, Buffalo, N. Y.
Paine C. S. Co., Grand Rapids, Mich.
Paine Furniture Co., 81 Arlington, Boston, Mass.
Payne Chas. T. Co., Lincoln, Neb.
Paetz Chas. H., St. Joseph, Mo.
Palmer Galvanic Bed Co., 231 E 9th, New York
Palmer & Hardin, Louisville, Ky.
Paris Mattress & Awning Co., Paris, Tex.
Parkersburg Mattress Co., Parkersburg, W. Va.
Parlor Furniture & Mattress Co., Fremont, Neb.
Patton-Black Mfg. Co., Jackson, Tenn.
Peerless Bedding Co., Bellefontaine, O.
Pensacola Mattress Co., Pensacola, Fla.
Peoria Lounge & Mattress Co., Peoria, Ill.
Perfection Mattress & Spring Co., Birmingham, Ala.
Petrik J. F. & Sons, Topeka, Kans.
Pettit Feather & Bedding Co., York & Guild, Portland, Ore.
Phillips & Osborn, 711 E 47th, Chicago, Ill.
Premier Bed & Spring Co. (Wire), 2401 17th, San Francisco, Cal.
Puritan Bed Spring Co., 902 Kentucky av, Indianapolis, Ind.
Queen City Mattress Co., 946 Betts, Cincinnati, O.
Raider David, 176 Mott, New York
Rehkopfs Mattress Co., Texarkana, Tex.
Renn-Davis & Co. (All Kinds), Portsmouth, Va.
Rhein Bros., 6011 S State, Chicago, Ill.
Richards Fred J., 32 Lakeside, Springfield, Mass.
Riverside Mfg. Co., Moultrie, Ga.
Roberts Bros. ("Sanotuf"), 1342 Long Beach av, Los Angeles, Cal.
Robinson-Roders Co., 27 N. J. R. R. av, Newark, N. J.
Rock River Cotton Co., Janesville, Wis.
Rogers Chas. P. & Co., 14 E 33d, New York
Rose Spring & Mattress Co., 767 Ky., Memphis, Tenn.
Royal Chair Co., Sturgis, Mich.
Royall & Borden, Goldsboro, N. C.
Rubenstein H. & Co., 670 W 14th, Chicago, Ill.
Rudge & Guenzel Co., Lincoln, Neb.
Runyon J. D. Mfg. Co., 190 1st, Jersey City, N. J.
Russell L. R., Bay City, Mich.
Russell & Russell, South Bend, Ind.
Sacramento Wire Mattress Co., Sacramento, Cal.
St. Louis Felt & Bedding Co., 208 S 17th, St. Louis, Mo.
Salem Mattress Co., Salem, Va.
Salisbury & Satterlee Co., 201 SE Main, Minneapolis, Minn.
Salt Lake Mattress & Mfg. Co., Salt Lake City, Utah
Sammet G. W. & Son Co., 8 Atlantic av, Boston, Mass.
Sanitary Feather Co., 422 S Canal, Chicago, Ill.
Sanitary Felting & Mattress Co., South Bend, Ind.
Sanitary Mattress Co., Youngstown, O.
Savage B. B. & Co., 3 Factry., New Haven, Conn.
Schaefer Joseph, Fort Wayne, Ind.
Schick Wm. Mfg. Co., Topeka, Kans.
Schmitt & Henry Mfg. Co., Des Moines, Ia.
Schmidt-Bedding Co., 966 30th, Milwaukee, Wis.
Schmitz Joseph, Lancaster, Pa.
Schultz & Hirsch Co., 1300 Fulton, Chicago, Ill.
Schuster & Co., 414 N Howard, Baltimore, Md.
Schwartz Abraham, 62 Bergen, Brooklyn, N. Y.
Scranton Bedding Co., 1031 Capouse av, Scranton, Pa.
Seattle Mattress & Uph. Co., Seattle, Wash.
Seeboth Albert G. Co., 230 Mineral, Milwaukee, Wis.
Sheboygan Mattress Co., Sheboygan, Wis.
Shephard Norwell Co., 30 Winter, Boston, Mass.
Shreveport Mattress Co., Shreveport, La.

(Continued on following page)

Mattresses—Continued

Sigmon Furniture Mfg. Co., Chickasha, Okla.
Simon Mattress Mfg. Co. ("Simon Pure"), 1900H 16th, San Francisco, Cal.
Sleepwell Mattress Co., 5226 Romaine av, Los Angeles, Cal.
Smith Bedding Co., Ogden, Utah
Smith Mattress Co., Marion, O.
Smith & Jones, 216 E 37th, New York
Somelastique Bedding Co. (Cotton, Hair, Wood, etc), 301 E 22d, New York
Southern Bagging Co., Norfolk, Va.
Southern Bedding Mfg. Co., Austin, Tex.
Southern Furniture Co., Texarkana, Tex.
Southern Mattress Co., 1109 Annunciation, New Orleans, La.
Southern Spring Bed Co., Atlanta, Ga.
Specialty Mattress Co., Huntington, West Va.
Springfield Mattress Co., Springfield, O.
Springfield Mattress Co., Springfield, Ill.
Standard Bedding Co., 113 Chicago, Milwaukee, Wis.
Star Mattress Factory, Clifton & Claremont, Oakland, Cal.
Stearns & Foster Co., Lockland, O.
Stengel Barney, 421 9th av, New York
Stockwell L. W. Co. ("Dixie No-Tuft" "Never Stretch"), 4th & S Alameda, Los Angeles, Cal.
Sumergrade N. & Son, 22 Jones, New York
Taylor Bedding Mfg. Co., Taylor, Texas
Taylor Mattress Co., Salisbury, N. C.
Taylor W. W. & Sons, Big Stone Gap, Va.
Terre Haute National Bedding Co., Terre Haute, Ind.
Threadcraft E. C., Norfolk, Va.
Tillman Brothers, La Crosse, Wis.
Toledo Mattress Factory, Toledo, O.
Towbin Louis, 296 Putnam av, Brooklyn, N. Y.
Trenton Spring Mattress Co., Trenton, N. J.
Trouton Mattress Co., Atlanta, Ga.
Troy Woven Wire Spring Co., Troy, N. Y.
Turner Bedding Factory, Pine Bluff, Ark.
Twin City Bedding Co., Marinette, Wis.
Tyler Mattress Co., H, E Common, Tyler, N. Y.
Union Mattress Co., Owosso, Mich.
U. S. Bedding Co., Memphis, Tenn.
United States Bedding Co., Arundel & Minnehaha, St. Paul, Minn.
Universal Mattress Mfg. Co., 1707 Howard, San Francisco, Cal.
Universal Safety Mattress Co., Baltimore, Md.
Utah Bedding & Mfg. Co., Salt Lake City, Utah
Utica Bedding Factory, Utica, N. Y.
Van Vorst C. B. Co., Los Angeles, Cal.
Vincent Frank J., Little Falls, N. Y.
Waco Mattress Factory, Waco, Texas
Wakeman R. & Son, Saugatuck, Conn.
Walsh M. S., Williamsport, Pa.
Warren Carpet Cleaning & Mattress Co., Malden, Mass.
Warshauer Alex., 124 Ralph av, Brooklyn, N. Y.
Washington Mattress Co., Seattle, Wash.
Waterbury Mattress Co., Waterbury, Conn.
Watertown Mattress Mfg. Co., Watertown, N. Y.
Wegman Wm. J. Co., Rochester, N. Y.
Weigell A. & Son, 320 Broadway, Milwaukee, Wis.
Weisberg Max, 100 Hoyt, Brooklyn, N. Y.
Welch Bedding Co., cor 5th & Ochoa, El Paso, Texas
Wessel Herman Mfg. Co., 624 Main, Cincinnati, O.
West End Mattress Co., 68 Pitts, Boston, Mass.
Western Furniture & Mfg. Co., Lincoln, Neb.
Western Mattress & Bedding Co., 1721 Linn, Cincinnati, Ohio
Wetterhold Geo., Wichita, Kans.
Wheeling Mattress Co., Wheeling, West Va.
Wichita Mattress Co., Wichita, Kans.
Wolf Paul E. Bedding Co., Fort Wayne, Ind.
Wolfberg Jacob, Altoona, Pa.
Wuest Adam, 2641 Dennis Con., Cincinnati, O.
Youngstown Mattress Co., Youngstown, O.
Ziegler Bedding Co., Calumet, Mich.

9630—Mattresses (Cotton Felt)

See also Mattresses

Acme Spring Bed & Mattress Co., Fort Smith, Ark.
Advance Bedding Co., La Crosse, Wis.
American Bedding Co., Superior, Wis.
Anchor Spring & Bedding Co., 100 N First, Nashville, Tenn.
Anderson Mattress Co., Anderson, Ind.
Angelus Furniture Mfg. Co., 947 E Pico, Los Angeles, Cal.
Athens Mattress & Spring Bed Co., Athens, Ga.
Bellingham Bedding Co., Bellingham, Wash.
Berger William & Co., 392 Florida, Milwaukee, Wis.
Bernstein Mfg. Co., 3d & Allegheny, Phila., Pa.
Buffalo Mattress Co., 135 Church, Buffalo, N. Y.
Colonial Bedding Co., Fredericksburg, Va.
Colorado Bedding Co., Pueblo, Colo.
Columbia Feather Co., 413 W Huron, Chicago, Ill.
Cream City Bedding Co., 3200 Fond du Lac av, Milwaukee, Wis.
Denver Bedding Co., 1300 Arapahoe, Denver, Colo.
Burton Dixie Corp., 1319 Michigan av, Chicago, Ill.
Dubuque Mattress Factory, Dubuque, Ia.
Eau Claire Bedding Co., Eau Claire, Wis.
Fort Pitt Bedding Co., Liverpool & Preble, Pittsburgh, Pa.
Foster Bros. Mfg. Co., 320 N Holiday, Baltimore, Md.
Graham Mattress Co., Graham, Va.
Hammond Bedding Co., Hammond, Ind.
Hard Mfg. Co., 117 Tonawanda, Buffalo, N. Y.
Haynes Mattress Factory, Sealy, Tex.
Hemenway Furniture Co., Alexandria, La.
Hoey John & Co. Inc., 200 Vermont, San Francisco, Cal.
International Bedding Co., Guilford & Charles av, Baltimore, Md.
James River Furniture & Mattress Co., Richmond, Va.
Joppa Mattress Co., Little Rock, Ark.
King Bedding Co., 2119-25 W Toronto, Phila., Pa.
King-Fisher Mattress Co., Portland, Ore.
Little Rock Mattress Co., Little Rock, Ark.
McRoskey & Co., 821 Mission, San Francisco, Cal.
Macon Mattress Mfg. Co., Macon, Ga.
Milwaukee Bedding Co., 292 4th, Milwaukee, Wis.
Montana Mattress & Furniture Co., Butte, Mont.
Mount Vernon Mattress & Furniture Co., Mount Vernon, Ill.
New England Bedding Co., 321 Congress, Boston, Mass.
Norfolk Mattress Co., Norfolk, Va.
Orleans Felt Mattress Works, 512 Conti, New Orleans, La.
Orrville Bedding Co., Orrville, O.
Oshkosh Bedding & Couch Co., Oshkosh, Wis.
Ostermoor & Co., 116 Elizabeth, New York
Paris Mattress & Awning Co., Paris, Texas
Parlor Furniture & Mattress Co., Fremont, Neb.
Queen City Mattress Co., 946 Betts, Cincinnati, O.
Raider David, 176 Mott, New York
Rock River Cotton Co., Janesville, Wis.
St. Louis Felt & Bedding Co., 208 S 17th, St. Louis, Mo.
Salt Lake Mattress & Mfg. Co., Salt Lake City, Utah
Sammet G. W. & Son Co., 8 Atlantic av, Boston, Mass.
Sanitary Felting & Mattress Co., South Bend, Ind.
Schaefer Joseph, Fort Wayne, Ind.
Scranton Bedding Co., 1031 Capouse av, Scranton, Pa.
Seattle Mattress & Uph. Co., Seattle, Wash.
Sleep Well Mattress Co., Los Angeles, Cal.
Somelastique Bedding Co., 301 E 22d, New York
Southern Bedding Mfg. Co., Austin, Texas
Southern Mattress Co., 1109 Annunciation, New Orleans, La.
Springfield Mattress Co., Springfield, Ill.
Stengel Barney, 421 9th av, New York
Stearns & Foster Co., Lockland, O.
Taylor Mattress Co., Salisbury, N. C.
Twin City Bedding Co., Marinette, Wis.
Turner Bedding Factory, Pine Bluff, Ark.
U. S. Bedding Co., 1047 Florida, Memphis, Tenn.
Vincent Frank J., Little Falls, N. Y.
Washington Mattress Co., Seattle, Wash.
Waterbury Mattress Co., Waterbury, Conn.
Western Furniture & Mfg. Co., Lincoln, Neb.
Youngstown Mattress Co., Youngstown, O.
Ziegler Bedding Co., Calumet, Mich.

9631—Mattresses (Excelsior)

Anderson Mattress Co., Anderson, Ind.
Buffalo Mattress Co., 135 Church, Buffalo, N. Y.
Hoey John & Co. Inc., 200 Vermont, San Francisco, Cal.
King Bedding Co., 2119-25, W Toronto, Phila., Pa.
Mount Vernon Mattress & Furniture Co., Mount Vernon, Ill.
Riverside Mfg. Co., Moultrie, Ga.

9632— Mattresses (Hair)

See also Mattresses

Augusta Bedding Co., Augusta, Ga.
Baker O. D. Co., 77 Washington N, Boston, Mass.
Berger William & Co., 392 Florida, Milwaukee, Wis.
Bernstein Mfg. Co., 3d & Allegheny, Phila., Pa.
Buffalo Mattress Co., 135 Church, Buffalo, N. Y.
Burton Dixie Corp., 2024 S Racine av, Chicago, Ill.
Colonial Bedding Co., Fredericksburg, Va.
Columbia Feather Co., 415 W Huron, Chicago, Ill.
Cudahy Packing Co., 111 W Monroe, Chicago, Ill.
Eau Claire Bedding Co., Eau Claire, Wis.
Graham Mattress Co., Graham, Va.
Hard Mfg. Co., 117 Tonawanda, Buffalo, N. Y.
Hoey John & Co. Inc., 200 Vermont, San Francisco, Cal.
Hunt M. A. Co., Dempsey & C. H. & D. Ry., Cincinnati, O.
International Bedding Co., Guilford & Charles av, Baltimore, Md.
Kindel Bedding & Renovating Co., 2200 Quinn, Denver, Colo.
King Bedding Co., 2119-25 W Toronto, Phila., Pa.
King Bedding Co., 2119-25 W Toronto, Dept. H, Phila., Pa.
McHose & Pardoe, Fargo, North Dak.
McRoskey & Co., 821 Mission, San Francisco, Cal.
Marion Mattress Co., Marion, Ind.
Mount Vernon Mattress & Furniture Co., Mount Vernon, Ill.
Nashville Spring & Mattress Co., 810 8th av N, Nashville, Tenn.
Orleans Felt Mattress Works, 512 Conti, New Orleans, La.
Orrville Bedding Co., Orrville, O.
Ostermoor & Co., 116 Elizabeth, New York
Paris Mattress & Awning Co., Paris, Texas
Parkersburg Mattress Co., Parkersburg, West Va.
Peerless Bedding Co., Bellefontaine, O.
Rose Spring & Matttress Co., 767 Ky., Memphis, Tenn.
Rudge & Guenzel Co., Lincoln, Neb.
St. Louis Felt & Bedding Co., 213 S 17th, St. Louis, Mo.
Salisbury & Satterlee Co., 201 S E Main, Minneapolis, Minn.
Salt Lake Mattress & Mfg. Co., Salt Lake City, Utah
Sammet G. W. & Son Co., 8 Atlantic av, Boston, Mass.
Sanitary Mattress Co., Youngstown, O.
Schaefer Joseph, Fort Wayne, Ind.
Schneidt-Aug. (Curled), Muskegon, Mich.
Schultz & Hirsch Co., 1300 Fulton, Chicago, Ill.
Schwartz Abraham, 62 Bergen, Brooklyn, N. Y.
Scranton Bedding Co., 1031 Capouse av, Scranton, Pa.
Seattle Mattress & Uph. Co., Seattle, Wash.
Sleep Well Mattress Co., Los Angeles, Cal.
Smith Mattress Co., Marion, O.
Somelastique Bedding Co., 301 E 22d, New York
Southern Mattress Co., 1109 Annunciation, New Orleans, La.
Specialty Mattress Co., Huntington, West Va.
Springfield Mattress Co., Springfield, Ill.
Stengel Barney, 421 9th av, New York
Taylor Mattress Co., Salisbury, N. C.
Turner Bedding Factory, Pine Bluff, Ark.
Twin City Bedding Co., Marinette, Wis.
Utah Bedding & Mfg. Co., Salt Lake City, Utah
West End Mattress Co., 68 Pitts, Boston, Mass.
Western Mattress & Bedding Co., 1721 Linn, Cincinnati, O.
Wheeling Mattress Co., Wheeling, W Va.
Woll Peter & Sons, Mascher & Berks, Philadelphia, Pa.
Wuest Adam, 2641 Dennis Con., Cincinnati, Ohio
Youngstown Mattress Co., Youngstown, Ohio

9633-4—Mattresses (Kapok)

See Also Mattresses

Advance Bedding Co., La Crosse, Wis.
Angelus Furniture Mfg. Co., 947 E Pico, Los Angeles, Cal.
Bernstein Mfg. Co., 3d & Allegheny av, Phila., Pa.
Buffalo Mattress Co., 135 Church, Buffalo, N. Y.
Colonial Bedding Co., Fredericksburg, Va.
Colorado Bedding Co., Pueblo, Colo.
Enterprise Mattress Co., 29 Beverly, Boston, Mass.
Hoey John & Co. Inc., 200 Vermont, San Francisco, Cal.
International Bedding Co., Guilford & Charles av, Baltimore, Md.
King Bedding Co., 2119-25 W Toronto, Phila., Pa.
McRoskey & Co., 821 Mission, San Francisco, Cal.
Milwaukee Bedding Co., 292 4th, Milwaukee, Wis.
Mutual Bedding Mfg. Co., Inc. ("Sandman"), 501 7th, San Francisco, Cal.
Norfolk Mattress Co., Norfolk, Va.
Orleans Felt Mattress Works, 512 Conti, New Orleans, La.
Orrville Bedding Co., Orrville, O.
Oshkosh Bedding & Couch Co., Oshkosh, Wis.
Robinson-Roders Co., 27 N. J. R. R. av, Newark, N. J.
Schwartz Abraham, 62 Bergen, Brooklyn, N. Y.
Simon Mattress Mfg. Co. ("Simon Pure"), 1900H 16th, San Francisco, Cal.
South Bend Foundry Co., South Bend, Ind
Sperry & Beale Co., 141 King, Brooklyn, N. Y.
Springfield Mattress Co., Springfield, Ill.
Stengel Barney, 421 9th av, New York
Taylor Mattress Co., Salisbury, N. C.
Twin City Bedding Co., Marinette, Wis.
Warren Carpet Cleaning & Mattress Co., Malden, Mass.
Wuest Adam, 2641 Dennis Con., Cincinnati, Ohio

9635— Mauls (Coal)

Beall Bros. (Long & Short), Alton, Ill.
Warren Tool & Forge Co., 145 Griswold, Warren, O. *See adv index at end of book*
Warwood Tool Co., 19th, Warwood, Wheeling, W. Va.

9636—Mauls (Post, Cast Iron, Etc.)

Barber Mfg. Co., Ashtabula, O.
Bosworth-Ard Machine & Foundry Co., Anniston, Ala.
Eagle Machine Co., Lancaster, O.
Fate-Root Heath Co., Plymouth, Ohio
Gowanda Agricultural Works, Gowanda, N. Y.
Indiana Foundry Co., Indiana, Pa.
Lyon Iron Works, Greene, N. Y.
McDowell Foundry Co., Chicago Heights Ill.
Munnsville Plow Co. (Also Stone Breaking), Munnsville, N. Y.
Quinn Wire & Iron Works, Boone, Ia.
Racine Malleable & Wrought Iron Co., Racine, Wis.
Rock Island Mfg. Co., Rock Island, Ill.
South Bend Foundry Co., South Bend, Ind.
Sperry D. R. & Co. (Pig, Metal & Wood Face), Batavia, Ill.
Swett A. L. Iron Works, Medina, N. Y.
Thayer Foundry Co., Atchison, Kans.
Wagner Mfg. Co., Sidney, O.
Wapak Hollowware Co., Wapakoneta, O.
Weller Hardware & Fdry. Co., Horseheads, N. Y.
Western Fdry. & Sash Weight Co., 2nd & Miller, St. Louis, Mo.
Western Implement Co., Port Washington, Wis.
Western Iron & Foundry Co., Wichita, Kans.

9637— Mauls (Post, Wooden)

Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Hellenberg J. B. Co. (Plumbers & Well Drillers), Coldwater, Mich.
Kohaut John C., 117 Green, Newark, N. J.
New York Mallet & Handle Wks., 742 E 11th, New York
Prouty C. & Co., Eldred, Pa.
Stossel Carl Sons & Co. (Boilermakers, etc), Front Royal, Va.
Tatem J. B. & Son (Heavy), Putnam, Conn.
Woodstock Mfg. Co., Charleston, S. C.

Mauls (Railroad or Spike)

See Mauls, Regular Line.

Mauls (Rawhide)

See Mallets, Rawhide

9638— Mauls (Regular Line)

See also Hammers, Heavy

Beall Bros., Alton, Ill.
Collins Co., Collinsville, Conn.
Economy Drawing Table & Mfg. Co., Adrian, Mich.
Evansville Tool Works, 701 W Md., Evansville, Ind.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Iron City Tool Works, Ltd., 3201 Smallman, Pittsburgh, Pa.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Klein-Logan Co. (Cast Steel), 13th & Breed, Pittsburgh, Pa.
Lehr Agricultural Co. (Wood Choppers Only), Fremont, Ohio
McInnes Steel Co. (Ltd.), (Wood Choppers), Corey, Pa.
Plumb Lafayette R. (Inc.), Tucker & James, Phila., Pa.
Prouty C. & Co. (Wood Choppers), Eldred, Pa.
Stanley Rule & Level Co. (Atha Division), New Britain, Conn.
Swett A. L. Iron Works, Medina, N. Y.
Verona Tool Works, Plum, Pittsburgh, Pa.
Warren Tool & Forge Co. (Woodchopper & Spike), 145 Griswold, Warren, O. *See adv index at end of book*
Warwood Tool Co., 19th, Warwood, Wheeling, W. Va.
Williams & Wells Co., 253 Fulton, New York. *See adv index at end of book*

9639— Mauls (Sewer)

Anderson W. H. Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Channon Jas. H. Mfg. Co. (Wood), 227 W Erie, Chicago, Ill.
Ransome Concrete Machinery Co. (Maple Iron Bound), Dunellen, N. J.
Stossell, Carr Sons & Co. ("Hickory Iron Bound"), Front Royal, Va.

Mauls (Ship or Top)

See Mauls, Regular Line

Mauls (Woodchoppers')

See Mauls, Regular Line

9640— Mauls (Wooden)

See also Mauls, Post, Wooden

Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
Economy Drawing Table & Mfg. Co., Adrian, Mich.
Estes E. B. & Son, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

Mausoleum Doors & Gates

See Bronze Doors

9641— Meal (Alfalfa)

Clinton Alfalfa Milling Co., Clinton, O.
Falls City Mill and Feed Co.
Hord T. S. Alfalfa Meal Co., Central City, Neb.
International Sugar Feed Co., 15 av S E & Rollins, Minneapolis, Minn.
Mitchell Alfalfa Milling & Light Co., Mitchell, Neb.
Omaha Alfalfa Milling Co., Omaha, Neb.
Pecos Valley Alfalfa Mill Co., Hagerman, New Mexico
Ryer Island Alfalfa Meal Co., 465 California, San Francisco, Cal.
Tioga Mill & Elevator Co., Waverly, N. Y.
Weiss Otto Milling Co., Wichita, Kans.
York Alfalfa Mills, York, Neb.

9642— Meal (Almond)

Freeman Perfume Co., Norwood & Linden avs, Cincinnati, Ohio
Holton & Adams, 29 E 22d, New York
Napier Chemical Co., 80 Pearl, New York
Peroxident Mfg. Co., 3007 Arsenal, St. Louis, Mo.
Salem Chemical & Supply Co., Salem, Mass.
Vail Bros., 2344 N 5th, Phila, Pa.

9643— Meal (Cottonseed)

Accidental Oil Mills, Belton, Texas
American Cotton Oil Co., 239 W 30th, New York
Amsler C. (Est. of), Hempstead, Tex.
Anderson Phosphate & Oil Co., Anderson, S. C.
Ashcraft, Wilkinson Co., Atlanta, Ga.
Atlanta Cotton Oil Co., Atlanta, Ga.
Austin Oil Mfg. Co., Austin, Tex.
Autauga Oil & Fertilizer Co., Prattville, Ala.
Bertie Cotton Oil Co., Aulander, N. C.
Blackshear Manufacturing Co., Blackshear, Ga.
Blossom Oil & Cotton Co., Blossom, Tex.
Blue Ridge Cotton Oil Co., Travelers Rest, S. C.
Boaz Cotton Oil Co., Boaz, Ala.
Bowie County Cotton Oil Co., New Boston, Tex.
Brenham Compress Oil & Mfg. Co., Brenham, Tex.
Brookhaven Cotton Oil & Fertilizer Co., Brookhaven, Miss.
Brownsville Cotton Oil & Ice Co., Brownsville, Tenn.
Bryan Cotton Oil & Fertilizer Co., Bryan, Tex.
Butler Cotton Oil Co., Albertville, Ala.
Caldwell Oil Mill Co., Caldwell, Tex.
California Cotton Oil Co. ("Calico"), 2201 E 52d, Los Angeles, Cal.
Cameron Oil Mill, Cameron, S. C.
Campobello Oil Mills, Campobello, S. C.
Canon Oil & Fertilizer Co., Canon, Ga.
Central Cotton Oil Co., Jackson, Miss.
Chatham Oil & Fertilizer Co., Pittsboro, N. C.
Cheraw Oil & Fertilizer Co., Cheraw, S. C.
Clarendon Cotton Oil Co., St. Paul, S. C.
Clay County Oil Mill & Fertilizer Co., Lineville, Ala.
Clayton Oil Mill, Clayton, N. C.
Clinton Oil Mills, Clinton, S. C.
Cochran Oil Mill & Ginnery, Cochran, Ga.
Columbia Cotton Oil Co., Magnolia, Ark.
Comer Oil Mill, Comer, Ga.
Commonwealth Cotton Oil Co., Cushing, Okla.
Concordia Oil Mills Co., Vidalia, La.
Consumers' Cotton Oil Mills, U. S. Yards, Chicago, Ill.
Coronaca Oil Mill, Coronaca, S. C.
Corsicana Cotton Mills, Corsicana, Tex.
Cotton Oil Co., Bamberg, S. C.
Cotton Oil & Ginning Co., Scotland Neck, N. C.
Coweta Cotton Oil Mill, Newnan, Ga.
Cross Anchor Oil Co., Cross Anchor, S. C.
Cuero Cotton Oil & Manufacturing Co., Cuero, Tex.
Cumming Oil & Fertilizer Co., Cumming, Ga.
Dadeville Cotton Oil Co., Dadeville, Ala.
Dallas Oil & Refining Co., Dallas, Tex.
Denmark Oil & Fertilizer Co., Denmark, S. C.
Deport Cotton Seed Oil Co., Deport, Tex.
De Soto Cotton Oil Co., Mansfield, La.
De Soto Oil Co., 998 Kansas, Memphis, Tenn.
Detroit Oil & Cotton Co., Detroit, Texas
Dixie Cotton Oil Mill, Little Rock, Ark.
Dodd City Oil Mill Co., Dodd City, Texas
Donalds Oil Mill Co., Donalds, S. C.
Donaldsonville Oil Mill, Donaldsonville, Ga.
Dunn Oil Mills Co., Dunn, N. C.
Easley Oil Mill Co., Easley, S. C.
Eastern Cotton Oil Co., Hertford, N. C.
Eastman Oil Mills, Jonestown, Miss.
Elba Manufacturing Co., Charlotte, N. C.
Elberton Oil Mills, Atlanta, Ga.
Elgin Cotton Oil Co., Elgin, Texas
Empire Cotton Oil Co., Bainbridge, Ga.
Enterprise Cotton Oil Co., Enterprise Ala.
Farmer's Cotton Oil Co., Farmersville, Texas
Farmer's Cotton Oil Co., La Grange, Ga.
Farmers' Cotton Oil Co., Wilson, N. C.
Farmer's Cotton Oil & Fertilizer Co., Toccoa, Ga.
Farmer's Cotton Seed Oil Mill, Martin, Ga.
Farmer's Oil Mill, Newberry, S. C.
Farmer's Oil Mill, Royston, Ga.
Farmville Oil & Fertilizer Co., Farmville, N. C.
Fayetteville Oil Co., Fayetteville, Ga.
Fitzgerald Cotton Oil Co., Fitzgerald, Ga.
Fletcher W. B. & J. A., McColl, S. C.
Florida Cotton Oil Co., Jacksonville, Fla.
Fork Township Oil Mill, Townville, S. C.
Forney Cotton Oil & Ginning Co., Forney, Texas
Fremont Oil Mill Co., Fremont, N. C.
Glen Allan Oil Mill, Glen Allan, Miss.
Globe Cotton Oil Mills, 907 E 3rd, Los Angeles, Cal.
Gonzales Cotton Oil & Mfg. Co., Gonzales, Texas
Grandview Cotton Oil Co., Grandview, Tex.
Hartsville Oil Mill, Hartsville, S. C.
Havens Oil Co., Washington, N. C.
Hazlehurst Oil Mill & Fertilizer Co., Hazlehurst, Miss.
Henderson Cotton Oil & Gin Co., Henderson, Texas
Hico Oil Mill, Hico, Texas
Highland Park Manufacturing Co., Charlotte, N. C.
Homer Cotton Oil Co., Homer, La.
Huntsville Cotton Oil Co., Huntsville, Texas
Huntsville Warehouse Co., Huntsville, Ala.
Independent Oil & Fertilizer Works, Columbus, Miss.
Indianola Cotton Oil Co., Indianola, Miss.
International Vegetable Oil Co., Atlanta, Ga.
Italy Cotton Oil Co., Italy, Texas
Jefferson Oil & Fertilizer Co., Jefferson, S. C.
Jersey Oil Mill Co., Jersey, Ga.
Jonesville Oil Mill, Jonesville, S. C.
Kerens Cotton Oil Co., Kerens, Texas
Kershaw Oil Mills, Kershaw, S. C.
Kings Mountain Cotton Oil Co., Kings Mountain, N. C.
Kyle Oil & Gin Co., Kyle, Texas
La Fayette Cotton Oil Mills, La Fayette, Ala.
Laurel Oil & Fertilizer Co., Laurel, Miss.
Laurinburg Oil Co., Laurinburg, N. C.
Leder Oil Co., Demopolis, Ala.
Leesville Oil Mill Co., Leesville, S. C.
Lester-Ricks Oil Co., Byromville, Ga.
Lockhart Oil & Gin Co., Lockhart, Texas
Logan County Cotton Oil Co., Paris, Ark.
Lone Oak Oil Mill Co., Lone Oak, Texas
Longview Cotton Oil Co., Longview, Texas
Lowndesville Cotton Oil Co., Lowndesville, S. C.
McDonald & Weaver, Cuthbert, Ga.
Macon County Oil Co., Tuskegee, Ala.
Mandeville Mills, Carrollton, Ga.
Mangum Cotton Oil Co., Mangum, O.
Manning Oil Mill, Manning, S. C.
Marion Cotton Oil Co., Marion, S. C.
Meridian Fertilizer Factory, Meridian, Miss.
Monroe Oil & Fertilizer Co., Monroe, Ga.
Montezuma Mfg. Co., Montezuma, Ga.
Morrilton Cotton Oil Co., Morrilton, Ark.
Morton Oil Mills, Millen, Ga.
Munger Oil & Cotton Co., Mexia, Texas
New Bern Cotton Oil & Fertilizer Mills, New Bern, N. C.
New Roads Oil Mill & Mfg. Co., New Roads, La.
Osceola Cotton Oil Co., Osceola, Ark.
Palmetto Oil Co., Bishopville, S. C.
Pauline Oil & Fertilizer Co., Pauline, S. C.
Pelham Oil & Fertilizer Co., Pelham, Ga.
Pendleton Oil Mill, Pendleton, S. C.
People's Cotton Oil Co., Selma, Ala.
Peoples' Oil & Fertilizer Co., Anderson, S. C.
Perkins Oil Co., Memphis, Tenn.
Phoenix Cotton Oil Co., Memphis, Tenn.
Pickens Oil & Fertilizer Co., Pickens, S. C.
Pilot Point Cotton Oil Mill Co., Pilot Point, Texas
Pine Level Oil Mills Co., Pine Level, N. C.
Pittsburg Cotton Oil Co., Pittsburg, Texas
Planters' Chemical Oil Co., Talladega, Ala.
Planters' Cotton Oil Co., Augusta, Ga.
Planters' Cotton Oil & Fertilizer Co., Rockymount, N. C.
Planters' Oil Co., Albany, Ga.
Planters' Oil Mill, Tunica, Miss.
Planters' Oil Mill & Gin Co., Kosciusko, Miss.
Pomaria Oil Manufacturing Co., Pomaria, South Carolina
Pontotoc Cotton Oil Co., Pontotoc, Miss.
Port Gibson Oil Works, Port Gibson, Miss.
Producers' Cotton Oil Co., Yazoo City, Miss.
Red River Oil Co., Alexandria, La.
Refuge Cotton Oil Co., Vicksburg, Miss.
Ridge Spring Oil Mill, Ridge Spring, South Carolina
Roanoke Oil Co., Roanoke, Ala.
Roberts Cotton Oil Co., Falls bl, Memphis, Tenn.
Rockwall Cotton Oil Co., Rockwall, Tex.
Rose City Cotton Oil Mill, Little Rock, Ark.
Rosebud Oil & Cotton Co., Rosebud, Texas
Rowesville Oil Co., Rowesville, South Carolina

(Continued on following page)

Meal (Cottonseed)—Continued

Roxton Cotton Oil Co., Roxton, Texas
Royse Oil Mill Co., Royse City, Texas
Rutledge Oil Co., Rutledge, Ga.
Ryan Cotton Oil Co., Ryan, Okla.
Schmidt G. L., Lincoln, Ala.
Sea Island Cotton Oil Co., Charleston, South Carolina
Senatobia Cotton Oil Co., Senatobia, Miss.
Seneca Oil Mills, Seneca, South Carolina
Seymour Cotton Oil Co., Seymour, Texas
Shelby Oil Co., Shelby, Miss.
Simpsonville Oil Mill, Simpsonville, South Carolina
Southern Cotton Oil Co. (& Peanut Cocoanut), 120 B'way, New York
Spring Hope Cotton Oil Co., Spring Hope, North Carolina
Stamford Oil Mill Co., Stamford, Texas
Standard Chemical & Oil Co., Troy, Ala.
Steinhardt & Co., 926 Gravier, New Orleans, La.
Strother & Phinney, West Union, South Carolina
Stroud Cotton Oil Co., Stroud, Okla.
Tallassee Oil & Gin Co., Tallassee, Ala.
Tar River Oil Co., Tarboro, North Carolina
Taylor Oil Mill, Taylor, Texas.
Tecumseh Oil & Cotton Co., Sherman, Tex.
Timmonsville Oil Co., Timmonsville, South Carolina
Tupelo Oil & Ice Co., Tupelo, Miss.
Tuscaloosa Cotton Seed Oil Co., Tuscaloosa, Ala.
Tiger-Shoals Milling Co., Wellford, S. C.
Tyler Cotton Oil Co., Tyler, Texas
Uniontown Cotton Oil Co., Uniontown, Ala.
Universal Oil Co., Wilmington, North Carolina
Upson County Oil Mills, Thomaston, Ga.
Valley Mills Cotton Oil Co., Valley Mills, Texas
Van Alstyne Cotton Oil Co., Van Alstyne, Texas
Verner Oil Co., Lattimore, North Carolina
Walker Bros. Co., Griffin, Ga.
Washington Cotton Oil Co., Dallas, Tex.
Westminster Oil & Fertilizer Co., Westminster, South Carolina
Whitewright Oil Mill Co., Whitewright, Texas
Wichita Cotton Oil Co., Wichita Falls, Tex.
Wilkinsville Cotton Oil Co., Wilkinsville, S. C.
Willmont Oil Mills, Pelzer, S. C.
Wills Point Cotton Oil Co., Wills Point, Tex.
Wilmot Oil Mills, Wilmot, Ark.
Winnsboro Cotton Oil Co., Winnsboro, Tex.
Winona Oil & Mfg. Co., Winona, Miss.
Woodbury Oil Mills, Woodbury, Ga.
Woodruff Oil & Fertilizer Co., Woodruff, S. C.
Yoakum Cotton Oil Co., Yoakum, Tex.
Yorktown Cotton Oil & Mfg. Co., Yorktown Tex.

9644— Meal (Polishing)

Peckham Mfg. Co. (Smooth Leather), Newark, N. J.

9645—Measures (Automobile Gasoline)

Dover Stamping & Mfg. Co., Cambridge, Mass.
Guarantee Liquid Measure Co. ("Guarantee Visible"), Rochester, Pa.
Iddings Co. ("Auto" Combination), Warren, O.
Kraft A. C., 323 W Lake, Chicago, Ill.
Louisiana Metal Cabinet Works (Also Oil), 1019 Bienville, New Orleans, La.
National Marine Lamp Co., Forestville, Conn.
Pacific Stove & Stamping Co., Idaho & Duwanish av, Seattle, Wash.
Vogel Wm. & Bros., 37 S 9th, Brooklyn, N. Y.

9646—Measures (Copper, Liquid, Etc.)

Kraft A. C., 323 W Lake, Chicago, Ill.
Ray Geo. A. Mfg. Co., 1495 Niagara, Buffalo, N. Y.

9647— Measures (Dry)

Acme Sheet Metal Co. ("McKim"), Martins Ferry, O.
Atlantic Stamping Co., 156-180 Anson, Rochester, N. Y.
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Richmond Cedar Works ("Anchor Brand," White Cedar & Cypress), Fulton, Richmond, Va.
Rochester Can Co. ("Iron Horse" Galvanized Iron), 89 Hague, Rochester, N. Y.
Strong Mfg. Co., Sebring, O.
Wheeling Corrugating Co., Wheeling, W. Va.

9648— Measures (End)

Slocomb J. T. Co., 35 Oxford, Providence, R. I.

9649—Measures (Family, Grocers', Etc.)

Central Stamping Co., 206 B'way, New York
National Enameling & Stamping Co., 411 5th av, New York

9650—Measures (Galvanized Iron)

Central Stamping Co., 206 B'way, New York
Crunden Martin Mfg. Co., 2nd & Gratiot, St. Louis, Mo.
Kraft A. C. (Liquid), 323 W Lake, Chicago, Ill.
Lisk Mfg. Co. (For Grain, etc), Canandaigua, N. Y.
National Enameling & Stamping Co., 411 5th av, New York
Rochester Can Co. ("Iron Horse" Dry), 89 Hague, Rochester, N. Y.

9651— Measures (Liquid)

(Names with * also manufacture Monel Metal)

*Beckley Perforating Co., Garwood, N. J.
Cordley & Hayes ("Fibrotta" Fibre), 32 Leonard, New York
See adv index at end of book
*Davidson Mfg. Co., Ltd., Thos., 187 Delisle, Montreal, Can.
*Emerson & Sack, 77 Haverhill, Boston, Mass.
*Everitt Co., 275 Franklin, Boston 9, Mass.
Fairbanks Co., 416 Broome, New York
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
*Giles Dyeing Machinery Co., North Philadelphia, Pa.
Guarantee Liquid Measure Co., Union Arcade bldg, Rochester, Pa.
*Gustafson & Schwartz, 39 Haverhill, Boston, Mass.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Kraft A. C. ("Oyl-Rye" Galv. Tin & Copper), 323 W Lake, Chicago, Ill.
*Koven & Bro. L. O., 154 Ogden av, Jersey City, N. J.
Lalance & Grosjean Mfg. Co. (Enameled Iron, Tin, etc), 299 B'way, New York
Liberty Coppersmithing Co., Philadelphia, Pa.
Mooers-Wright Co., 1400 B'way, New York
SCHAFFER POIDOMETER CO., formerly SCHAFFER ENGINEERING & EQUIPMENT CO., 2828 Smallman, Pittsburgh, Pa.
See adv index at end of book
*Schaefer Co. Emil, 1320 N 5th, Philadelphia, Pa.
*Sholes, Inc., 186 Lafayette, New York
*Smith, Drum & Co., Philadelphia, Pa.
*Standard Plating Works, 288 1st, San Francisco, Cal.
*Steel Products Co., Cicero, Ill.
*Wahmann Mfg. Co., Geo. H., Baltimore, Md.
Wizard Lamp Co. ("Quickflo" Oil), 947 Folsom, San Francisco, Cal.

9651a— Measures (Rule & Yard)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book.*
Estes E. B. & Sons (Wood), 364 5th av, New York *See adv index at end of book*
Schlafer Hardware Co. ("Appleton" for Paper Mills), 815 College av, Appleton, Wis.
Weber Co. F., 1220 Buttonwood, Philadelphia, Pa.
WESTCOTT RULE CO., Seneca Falls, N. Y.
See adv index at end of book

9652— Measures (Tin)

Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Sexton Can Co. (For Liquids, etc.), 128 Broad, Boston, Mass.
Sharlow Bros. Co. (Oil Tank Wagon), 442 W 42nd, New York

9653-4— Measures (Water)

Schaffer Poidometer Co., formerly Schaffer Engineering & Equipment Co., 2828 Smallman, Pittsburgh, Pa.
See adv index at end of book

9655— Meat Packers

ALABAMA.

BIRMINGHAM—Birmingham Packing Co.

CALIFORNIA.

EMERYVILLE—Golden West Meat & Packing Co.
Sunset Packing Co.
LOS ANGELES—Cudahy Packing Co.
Hauser Packing Co., 2300 E 9th
Pacific Coast Beef & Provision Co.,
MARYSVILLE—Valley Meat Co.
OAKLAND—Grayson-Owen Co.
Oakland Meat & Packing Co.
SACRAMENTO—Clauss & Kraus
Schmid & Parker Packing Co.
SAN FRANCISCO—Buttgenbach Jos. & Co., 336 4th
Heineman & Stern, 1040 McAllister
Kingan & Co. (Ltd.), 444 Drumm
McIntyre Packing Co., 805 Montgomery, San Francisco, Cal.
Miller & Flux Inc., 465 California
Nelson Meat Co., 780 Folsom
Rathjens & Kupfer, 1331 Pacific
Roth-Blum Packing Co., 1490 Fairfax
South San Francisco Packing & Provision Co., 407 Front
Virden Packing Co. ("Camp Fire" Brand) Alexander bldg
SOUTH SAN FRANCISCO—Western Meat Co.

COLORADO.

COLORADO SPRINGS—Smith Packing Co.
DENVER—Blayney-Murphy Co., 1540 Market
Burkhardt Packing & Provision Co., 46th & Washington
Colorado Packing & Provision Co.
K. & B. Packing & Provision Co., 1525 Blake
Standard Meat & Live Stock Co., Sand Creek
PUEBLO—Nuckolls Packing Co.

CONNECTICUT.

BRIDGEPORT—McNamara Thos. J. Co., 368 Clmn.
NORWICH—Davis C. H. & Co., Inc.

DELAWARE.

MOUNT CUBA—Hoopes Isaac W.
WILMINGTON—Mammele C. C. & Son

DISTRICT OF COLUMBIA.

BENNINGS—Loffler A. Provision Co.

FLORIDA.

JACKSONVILLE—Kingan & Co. (Ltd.)

GEORGIA.

ATLANTA—White Provision Co.
SAVANNAH—Savannah Abattoir & Packing Co.
South Atlantic Packing & Provision Co.

IDAHO.

BOISE—Boise Butcher Co., Ltd.
Idaho Provision & Packing Co.
EAGLE—Boise Valley Packing Co.
MOSCOW—Hagan & Cushing Co.

ILLINOIS.

ALTON—Luer Bros., Packing & Ice Co.
CAIRO—Bucher E. Packing Co.
CHICAGO—Acme Packing Co., 813 W 22nd
Agar Provision Co., 310 N Green
Anglo-American Provision Co., Union Stock Yards
Armour & Co., Dept. H, Union Stock Yards
Arnold Brothers, 660 West Randolph
Boyd, Lunham & Co., 208 S La Salle
Brennan Packing Co., 39th & Normal av
Chicago Butchers' Packing Co., 316 North Peoria
Chicago Packing Co., 4535 Gross av
Cudahy Packing Co., 111 W Monroe
Fulton Packing Co., 820 Fulton
Gabel Packing Co., 221 N Peoria
Guggenheim Brothers, 46th & Packers av
Hammond G. H. Co., Union Stock Yards
Hetzel & Co., 1743 Larrabee
Independent Packing Co., 41st & Halsted
Jourdan Packing Co. (Pork), 818 W Cullerton
Libby, McNeil & Libby, 300 W 8 Water
Miller & Hart, Inc., Un. Stock Yards
Morris & Co., Union Stock Yards
Morton Gregson Co., 80 E Jackson blvd
Omaha Packing Co., 2320 S Halsted
Pearse Howard, W 46th & Packers av
Pfaelzer L. & Sons, 3927 S Halsted
Pond E. K. Packing Co., 517 W 24th pl
Roberts & Oake, 45th & S Racine av
Swift & Co., Union Stock Yards
United Butchers' Packing Co., 1152 Fulton av
Vette & Zuncker, 220 N Green
Western Packing & Provision Co., 3854 S Morgan
Wilson & Co., Inc., Union Stock Yards
Zeiger G. W. Co., 517 W Chicago av
DANVILLE—Campbell Brothers Co.
DECATUR—Danzeisen Packing Co.
EAST ST. LOUIS—East Side Packing Co.
ELGIN—Kerber Packing Co.
JACKSONVILLE—Jacksonville Packing Co.
MATTOON—Steidl Brothers
PEORIA—Godel E. & Sons
Wilson Provision Co.
ROCKFORD—Carty-Dever Co.
Schmauss Co.
SPRINGFIELD—Franz Brothers Packing Co.
STEWARDSON—Stewardson Packing Co.

INDIANA.

EVANSVILLE—Evansville Packing Co., Morgan av
Schmadel Packing & Ice Co., Fulton av
FORT WAYNE—Eckart Fred Packing Co.
Laurents & Hartshorn Packing Co.
INDIANAPOLIS—Brown Brothers, 534 W Ray
Indianapolis Abattoir Co., W. Morris & White River
Kingan & Co., Ltd., West End, Maryland & Blackford sts
Meier Packing Co., 577 W Ray

LAFAYETTE—Dryfus Packing & Provision Co.
LOGANSPORT—Routh W. C. & Co.
MARION—Ballard Packing Co.
MUNCIE—Cavanaugh Packing Co.
Kuhner Packing Co.
RICHMOND—Stolle Anton & Sons
TERRE HAUTE—Ehrmann & Co.
Home Packing & Ice Co.

IOWA.

ALBIA—Albia Packing Co.
CEDAR RAPIDS—Sinclair T. M. & Co., Ltd.
DES MOINES—Iowa Packing Co.
DUBUQUE—Dubuque Packing Co.
Frith's Union Slaughter House
Rath Geo. C. & Sons
FORT MADISON—Schaper & Koch
MASON CITY—Decker Jacob E. & Sons
OTTUMWA—Morrell John & Co.
SIOUX CITY—Armour & Co.
Cudahy Packing Co.
WATERLOO—Rath Packing Co.

KANSAS.

ARKANSAS CITY—Henneberry & Co.
HUTCHINSON—Winchester Packing Co.
KANSAS CITY—Armour & Co.
Cochrane Packing Co.
Fowler Packing Co.
Morris & Co.
Swift & Company
LEAVENWORTH—Schalker Packing Co.
PITTSBURG—Hull & Dillon Packing Co.
TOPEKA—Wolff Chas. Packing Co.
WICHITA—Cudahy Packing Co.
Dold Jacob Packing Co.

KENTUCKY.

COVINGTON—Rice C. Packing Co.
LOUISVILLE—Armour & Co.
Bornwasser Louis P. Co.
Klarer Provision Co.
Louisville Provision Co.
Vissman C. F. & Co.

MAINE.

AUBURN—Merrow Packing Co.
Penley E. W.
Sutton John P. & Co.
BANGOR—Fickett O. A. Co.
Joy A. W. Co.
PORTLAND—Kern Jno. & Son, 901 Washington
ROCKLAND—Thorndike & Hix.

MARYLAND.

BALTIMORE—Armour & Co., 335 W Pratt
Corkran, Hill & Co., Union Stock Yards
Hohman C. & Sons, 2038 E Monument
Kriel Chas. G., 7 W Henrietta
Kurdle Thos. J., 3811 Eastern av
Kurrle Packing Co., 23 Taylor

MASSACHUSETTS.

BOSTON—Batchelder & Snyder Co., 55 Blackstone
Cunningham A. J. Co., 34 Blackstone
Cunningham Packing Co., 84 S Market
Morrell John & Co., 75 Commercial
New England Dressed Meat & Wool Co., 41 N Market
North Packing & Provision Co., 43 N Market
Squire J. P. & Co., 39 No Market
Sturtevant & Haley Beef & Supply Co., 40 F H Market
CAMBRIDGE—Squire J. P. & Co.
SOMERVILLE—New England Dressed Meat & Wool Co.
North Packing & Provision Co.
Sturtevant & Haley Beef & Supply Co.
SPRINGFIELD—Hunt A. C. & Co., 16 Synd
Springfield Provision Co., Plainfield
WORCESTER—White, Pevey & Dexter Co., Putman Lane

MICHIGAN.

DETROIT—Barlum Thomas & Sons, 354 Grand River
Hammond, Standish & Co., 20th & Standish
Parker, Webb & Co., 20th & Michigan av
Sullivan Packing Co., 2590 Beecher av
MENOMINEE—Twin City Packing Co.
MONROE—Schrauder & Co.
SAGINAW—Cornwell Co.
THREE RIVERS—Three Rivers Packing House

MINNESOTA.

ALBERT LEA—Albert Lea Packing Co., Inc.
AUSTIN—Hormel Geo. A. & Co.
DULUTH—Elliott & Co.
FAIRMONT—Ward & Co.
FERGUS FALLS—Fergus Packing Co.
ST. PAUL—Eisenmenger L. Meat Co.
Luley Abattoir Co.
McMillan J. T. Co.
Swift & Co.
WINONA—Interstate Packing Co.

MISSOURI.

CAPE GIRARDEAU—Hirsch Bros. Mercantile & Provision Co.
JACKSON—Mueller H. H.
KANSAS CITY—Cudahy Packing Co., Kansas av & Railroad
Dold Jacob Packing Co.
PERRYVILLE—Cissell J. R.
ST. JOSEPH—Hammond Packing Co.
Morris & Co.
Swift & Co.
ST. LOUIS—Carondelet Packing Co., 8000 Ivory av
Cox & Gordon, 1019 S. 3rd
Funk Joseph P. & Co., 1024 N Main
Heil Packing Co., 2216 La Salle
Kehr Packing Co., 3832 Cote Brillante av
Krey Packing Co., 21st & Bremen av
St. Louis Independent Packing Co., 3855 Chateau av
Sartorius Provision Co., 2734 Arsenal
Smith E. R., 2624 Montgomery
Sweet Charles A. Provision Co., 813 Spruce
Swift & Co., 3919 Papin
Waldeck Packing Co., Montrose & La Salle
WARRENSBURG—Roseland Farm & Mfg. Co.

MONTANA.

ANACONDA—Montgomery W. M. & Co.
GREAT FALLS—Great Falls Meat Co.
WALKERVILLE — Walkerville Dressed Meat Co.

NEBRASKA.

LINCOLN—Lincoln Packing Co.
NEBRASKA CITY—Morton-Gregson Co.
OMAHA—Armour & Co.
Cudahy Packing Co.
Morris & Co.
Swift & Company

NEVADA.

RENO—Nevada Packing Co.

NEW JERSEY.

CAMDEN—Helm's D. D. Sons
Schlorer & Son
JERSEY CITY—Armour & Co.
Brainard Bros., 15 Exchange pl
Nagle Packing Co., 27 Ward
Swift & Company
NEWARK—Bailey C. M. & Co., 99 S Orange av
Fink A. & Sons, 810 Frelinghausen
Newark Packing Co., 217 Astor
PATERSON—Fullerton D. & Co.
Muhs Pkg. Co.
PHILLIPSBURG—Shimer J. R. Co.
TRENTON—Taylor Provision Co.

NEW YORK.

ALBANY—Holland Bros.
Lester A. W.
Schwartz Geo. & Co.
BUFFALO—Danahy Packing Co., 25 Metcalfe
Dold Jacob Packing Co.
Empire Provision & Beef Co., 247 Lewis
Fuhrmann Louis P., 1010 Clinton
Kamman Henry A., 447 Bailey av
Klinck Bros., 588 Howard
Klinck C. Packing Co., 50 Depot
Moschel Jacob Sons, 153 Peckham
Sahlen Jos. Est. of, 310 Howard
CANAJOHARIE—Beechnut Packing Co.
HUDSON—Van Deusen C. A. Co.
LITTLE FALLS—Zoller Jacob Co.
MARATHON—Bouton C. H.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN — Bushwick Pork Packing Co., 29 Bushwick av
Dangles Jacob & Son, 722 Myrtle av
Figge Fred Co., 285 Atlantic av
International Provision Co., 33 Degraw
Meyer Louis Co., 374 Flushing av

Boroughs of Manhattan and Bronx.

NEW YORK—Ams Max, Inc., 373 Greenwich
Cudahy Packing Co., 454 W 14th
NEW YORK—New York City—continued
Ferris F. A. & Co., 262 Mott
Figge & Hutwelker Co., 621 W 40th
Heyer A. Lester, E 39th
Kern Geo. Inc., 349 W 38
Kingan Provision Co., 626 W 35th
N. Y. Butchers' Dressed Meat Co., 11th av & 39th
N. Y. Independent Meat Co., 12th av & 131st
Rohe & Bro., 527 W 36th
Stahl Otto, 2332 3d av
Stern Jos. & Sons, ft W 40th
Swift & Co., 448 Produce Exchange
United Dressed Beef Co. of New York, 1st av & 44th
Weisbecker Chas., 268 W 125th
(End of New York City)
RENSSELAER—Schwartz Frederick
SYRACUSE—Hofman A. C. & Sons
UTICA—Durr C. A. Packing Co.

OHIO.

AKRON—Scheil C. A. Provision Co.
Zimmerly Brothers Co.
ATHENS—Stedman F. C. & Co.
BELLEVUE—Zehner Brothers Packing Co.
CANTON—Canton Provision Co., Carnaham av N E
CINCINNATI—Bauer's Jacob Sons, 2932 Massachusetts, Camp Washington
Cincinnati Abattoir Co., Spring Grove av nr Stock Yds.
Freund Ernst, Bracken & Westwood
Haskins R. & Co., 2102 Dana av
Ideal Packing Co., Baymiller nr Central
Kahn's E. Sons Co., 519 Livingston
Lorey Packing Co., 2827 Massachusetts, Camp Washington
Maescher & Co., 1754 Central av
Meyer H. H. Packing Co., Central av & Linn
Roth John C. Packing Co., Spring Grove, Stk Yds
Sander A. Packing Co., 1026 Gest
Schlachter's Jacob Sons, 2839 Colerain av
Schroth J. & F. Packing Co., Cormany and Township av, Camp Washington
Severet J. A. & Co., 833 Dayton
Valley Packing Co., 3673 Colerain av
Vogel Jacob & Son, 2604 Colerain av
Ziegler & Co., Logan & Elder
CIRCLEVILLE—Groce Charles E.
CLEVELAND—Blumenstock & Reid Co., 3261 W 65th
Cleveland Provision Co., 2527 Canal rd
Hildebrandt Provision Co., 3620 Clark av
Lake Erie Provision Co., Clark av & C. C. C. & St. L. Ry.
Ohio Provision Co., Clark av & Big Four R. R.
Theurer-Norton Provision Co., 3136 W 53d
COLUMBUS—Blumer-Sartain Packing Co.
Columbus Packing Co.
Falter Herman
DAYTON—Baumheckel G. & O.
Focke's Wm. Sons Co.
Sucher Chas. Packing Co.
FOSTORIA—Fostoria Provision Co.
HAMILTON—Rupp Geo. Packing Co.
Slifer Packing Co.
LIMA—Lima Packing Co.
NEWARK—Miller C. W. & Co.
SANDUSKY—Bear & Ruth Co.
SPRINGFIELD—Springfield Abattoir Co.
TOLEDO—Folger Jacob
Zehner Bros. Packing Co.
URBANA—Urbana Packing Co.
YOUNGSTOWN—Simon Packing Co.

OKLAHOMA.

OKLAHOMA—Morris & Co.
TULSA—Independent Packing Co., Olympia & Katy

OREGON.

ALBANY—Nebergall D. E.
BAKER—Baker City Packing Co.
EUGENE—Eugene Packing Co.
NORTH PORTLAND—Union Meat Co.
PORTLAND—Boston Packing Co., 6 3rd
Sterrett Packing Co., Kenton
SALEM—Cross E. C. & Son
Steusloff Brothers, Inc.
Valley Packing Co.

PENNSYLVANIA.

ALLENTOWN—Arbogast & Bastian Co., 1 Hamilton
BLAIRSVILLE—Brown Packing Co.
BRIDGEPORT—March A. H. Packing Co.
CARNEGIE—Abbott Packing & Ice Co.
CHESTER—Buckley John J. Co.
COATESVILLE—Shallcross J. & Son
ERIE—Schaffner Bros.
LEHIGHTON—Obert Joseph Co.
McKEESPORT—Peters Packing Co.
MEDIA—Allen Clement E., Inc.
PHILADELPHIA—Burk Louis, Girard & 3d
Consolidated Dressed Beef Co., 30th & Race
Feiln Jno. J. & Co., Inc., 4142 Germantown
Kingan Provision Co., Callowhill & 8th
Moland's Wm. Sons, 120 Market
Penn Beef Co., 3919 Lancaster
Pfund G. F. & Son, 3945 Germantown av
Vogt Fred. G. & Sons, 30th & Race
Wilson-Martin Co., 30th & Market
PITTSBURGH—Denholm J. M. Bros. & Co., 5th & Frankstown avs
Dunlevy-Franklin Co. ("White Lily" Pork Products, Hams & Butter), Hamilton av & Enterprise
Fried & Reineman, Spring Garden av
Lohrey Henry, 2234 E, N Side
North Side Packing Co., 1443 Spring Garden av
Pittsburgh Provision & Packing Co., Herrs Island
Zoller Wm. Co., 343 Spring Garden av
POTTSTOWN—Keck & Co.
POTTSVILLE—Seltzer Packing Co.
Ulmer Jacob Packing Co.
Weissinger Geo. & Bro.
PRESTO—Klein Bros. Packing Co.
READING—Reading Abbattoir Co.
SHAMOKIN—Croninger Packing Co., Inc.
WASHINGTON—Washington Packing Co.
WILLIAMSPORT—Peters John

RHODE ISLAND.

CENTRAL FALLS—Colquhoun D. & Son
PAWTUCKET—Johnson H. S. Co.
PROVIDENCE—†Kimball & Colwell Co. 461 Washington
New England Supply Co., 15 Gordon av
Squire John P. & Co., 265 Canal

SOUTH DAKOTA.

RAPID CITY—Rapid City Packing Co., ("Pride of the Hills" Hams, Bacon, Lard & Sausages)
SIOUX FALLS—Morrell John & Co.

(Continued on following page)

Meat Packers—Continued

TENNESSEE.

CHARLESTON—Palmer J. C.
GREENEVILLE—Greeneville Packing Co.
KNOXVILLE—†East Tennessee Packing Co., 19 W Market sq
Knoxville Abattoir Co., Sharps Gap
NASHVILLE—Armour & Co., 617 2nd av N
Nashville Abatoir, Hide & Melting Assn., 1416 Adams
Neuhoff Abattoir & Packing Co.
Neuhoff Packing Co., 1308 Adams

TEXAS.

DALLAS—Armstrong Packing Co.
Hahn Max Packing Co.
FORT WORTH—Armour & Co.
Fort Worth Packing Co.
Swift & Co.
SAN ANTONIO—Union Meat Co.
TAFT—Taft Packing House

UTAH.

OGDEN—Ogden Packing & Provision Co.
Russell James Co.
PROVO—Provo Meat & Packing Co.
SALT LAKE CITY—Utah Packing & Provision Co.

VIRGINIA.

DANVILLE—Clement A. D.
NEWPORT NEWS—Levinson Packing Co.
NORFOLK—Banks Bros. Packing Co.
RICHMOND—Forbes W. S. & Co.
Kingan & Co., Ltd.
ROANOKE—Griggs Packing Co.
ROSSLYN—Rosslyn Packing Co.
SUFFOLK—Smithfield Packing Co., Inc.

WASHINGTON.

NORTH YAKIMA—Yakima Meat Co.
SEATTLE—Armour & Co., 310 Jackson
Barton & Co., Spokane & Wyoming
Carstens Packing Co., Western av & Marion
Cudahy Packing Co.
Frye & Co.
Henry James, 822 Western av
Swift & Co., 201 Jackson
SPOKANE—Carstens Packing Co., E B'way & Regal
Stanton E. H. Co.
TACOMA—Carstens Packing Co.
WALLA WALLA—Walla Walla Meat & Cold Storage Co.

WEST VIRGINIA.

WHEELING—Kalbitzer Packing Co.
Reymann Paul O. Co.
Schenk F. & Sons Co.
Wheeling Butchers' Assn.

WISCONSIN.

CUDAHY—Cudahy Bros. Co.
EAU CLAIRE—Drummond Packing Co.
GRAND RAPIDS—Relland Packing Co.
JEFFERSON—Stoppenbach's C. Sons
MILWAUKEE—Cudahy Bros. Co., 262 Jackson
Frank L. & Son Co., 644 Market
Gross F. C. & Bros. Co., Muskego av
Gumz R. & Co., Muskego av
Layton Co., Muskego av
Plankinton Packing Co., Muskego & Canal

WYOMING.

CHEYENNE—Hammond Packing Co.

9656— Mechanical Draft

American Blower Co., 6004 Russell, Detroit, Mich.
Buffalo Forge Co., 490 B'way, Buffalo, N. Y.
Engineer Co. (Balanced Draft), 17 Battery pl, New York
Green Fuel Economizer Co., Beacon, N. Y.
Mass. Blower Co., Watertown, Mass.
N. Y. Blower Co., Archer av & Canal, Chicago, Ill.
Parson Mfg. Co. ("Parson" System), 535 Livingston, New York
Steacy-Schmidt Mfg. Co. (Induced Draft Fans), York, Pa.
Sturtevant F. & Co. ("Sturtevant," Induced & Forced), 15 Damon, Hyde Park, Boston, Mass.

Mechanical Schools

See Engineering Schools & Colleges

9657— Mechanical Stokers

See also Furnaces, Smokeless
See also Stokers—various classifications

Am. Engng. Co. ("Taylor"), Dept. H, Aramingo & Cumberland, Phila., Pa.
Armstrong Mfg. Co., Springfield, O.
Barnett Oscar Foundry Co. ("Universal" Automatic Smokeless Traveling Chain Grate), Irvington, N. J.
Brady Jas. A. Foundry Co., 45th & Western blvd, Chicago, Ill.
Brightman Furnace Co., 2570 Broadway, Cleveland, O.
Clarage Fan Co. (Underfeed), North & Porter, Kalamazoo, Mich.
See adv index at end of book
Combustion Engng. Corp. ("Type E" Bituminous, "Coxe" Anthracite "Type H" Industrial & Heating), 43 Broad, New York
Detroit Stoker Co., 7342 Woodward av, Detroit, Mich.
Files Engineering Co. Inc. ("Files" Hand Overfeed), 75H Westminster, Providence, R. I.
Flynn & Emrich Co. ("Huber" Hand), 305 N Holliday, Baltimore, Md.
Illinois Stoker Co. (Chain Grate Stokers), Alton, Ill.
Laclede Christy Clay Products Co. Chain Grate & Automatic), Railway Exchange bldg, St. Louis, Mo.
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
Lehigh Stoker Co., Fullerton, Pa.
McClave-Brooks Co. ("McClave"), Poplar st, Scranton, Pa.
Moloch Co. (Underfeed), Kaukauna, Wis.
Murphy Iron Works, ft. Walker, Detroit, Mich.
Parson Mfg. Co. ("Parson's Automatic), 35 Nassau, New York
Power Turbo Blower Co., 350 Madison av, New York
Ridgway Mfg. Co. ("Elliott"), Ridgway, Pa.
Riley Sanford Stoker Co. ("Riley" Self-Dumping Underfeed), 228 West, Worcester, Mass.
Roach Stoker Co, ("Simplex"), 1713 Sansom, Phila., Pa.
Rosedale Foundry & Machine Co. ("Playford" Chain Grate Stoker), Columbus & Preble, Pittsburgh, Pa.
S. & S. Automatic Grate Co. (Automatic), 320 E No. Water, Chicago, Ill.
Thacher Propeller & Foundry Corp. ("Albany" Smokeless Furnace), Albany, N. Y.
Under Feed Stoker Co. of Am. ("Jones," "A. C.," "Standard" Underfeed), Book bldg, Detroit, Mich.
UNITED MACHINE & MFG. CO. ("Harrington" Traveling Grate), Canton, O.
Westinghouse Elec. & Mfg. Co. ("Roney" Chain Grate & Underfeed & Overfeed), East Pittsburgh, Pa.
See adv index at end of book
Wetzel Mechanical Stoker Co., Trenton, N. J.

9658—Mechanical Stokers (Chain Grate)

BABCOCK & WILCOX CO. (THE), 85 Liberty, New York
Barnet Oscar Foundry Co. ("Universal" Automatic Smokless Traveling), Irvington, N. J.
Brady Jas. A. Fdry. Co. (Traveling), 45th & Western blvd, Chicago, Ill.
Combustion Engng. Corp., 43 Broad, New York
Illinois Stoker Co., Alton, Ill.
Laclede-Christy Clay Products Co. (Automatic), Railway Ex. bldg, St. Louis, Mo.
Rosedale Foundry & Machine Co. ("Playford"), Columbus & Preble, Pittsburgh, Pa.
Westinghouse Electric & Mfg. Co., E. Pittsburgh, Pa. *See adv index at end of book*

9658a—Mechanical Stokers (Overfeed "Roney")

Combustion Engng. Corp., 43 Broad, New York
Westinghouse Electric & Mfg. Co., E. Pittsburgh, Pa. *See adv index at end of book*

9658b—Mechanical Stokers (Under Feed)

Detroit Stoker Co., 7342 Woodward av, Detroit, Mich.
Frederick Engineering Co., 61 B'way, New York
Riley Sanford Stoker Co. ("Riley"), 9 Neponset, Worcester, Mass.
UNITED MACHINE & MFG. CO. ("Industrial"), Canton, O.
Westinghouse Electric & Mfg. Co., E. Pittsburgh, Pa. *See adv index at end of book*

9659— Medals

Adams S. G. Stamp & Stationery Co. (Convention & Award), 413 N 6th, St. Louis, Mo.
American Railway Supply Co., 134 Charles, New York
Cruver Mfg. Co. (Celluloid), 2456H W Jackson blvd, Chicago, Ill.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa.
Moise-Klinkner Co., 369 Market, San Francisco, Cal.
Scovill Mfg. Co. (To Order Only), Waterbury, Conn.
See adv index at end of book
Waterbury Button Corporation (Metal), 831 S Main, Waterbury, Conn.
See adv index at end of book
Winship Chas. A. & Co., 159 N State, Chicago, Ill.

9659a— Medicinal Oxygen

Lennox Chemical Co., 1300 E 55th, Cleveland, O.

9660— Megaphone Mfrs.

Cowles C. & Co. (Electric Megaphone Speaking Tubes), New Haven, Conn.
Keennebunk Mfg. Co. ("Brownie," "Kemaco" Fibre), Milton, N. H.
Merriman Bros., 185 Jamaica Plain, Boston, Mass.
National Megaphone Co., Wakefield, Mass.
Rogers E. F. & Co., 410 Arch, Phila., Pa.

9661— *Melters (Metal)

Belmont Smelting & Refining Works Inc. (Belmont Brand—all metals), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book
GENERAL ELECTRIC CO. (Electric), Schenectady, N. Y.
See adv index at end of book
Sperry D. R. & Co. (Lead), Batavia, Ill.

9662— Memorial Windows

Bell Alfred M. Co., 70 Sudbury, Boston, Mass.
Bryant Bros. Co., 79 E Main, Columbus, O.
Bunce Art Glass Co., Richmond, Va.
Century Stained Glass Works (Ltd.), 212 S 11th, Phila., Pa.
Clinton Glass Co., 1000 W 21st, Chicago, Ill.
Dayton Art Glass Wks., Dayton, O.
Decorative Glass Co., 3248 Chestnut, Phila., Pa.
Decorative Glass Studios Inc., 628 W 24th, New York
Detroit Stained Glass Works, 4331 W Fort, Detroit, Mich.
Flagg L. G. & Co., 79 Sudbury, Boston, Mass.
Flanagan & Biedenweg Co., 312 W Illinois, Chicago, Ill.
Ford Bros. Glass Co., 207 Washington av, N Minneapolis, Minn.
Haskins Art Glass Co., Rochester, N. Y.
Heinigke & Smith, 24 E 13th, New York
Jacoby Art Glass Co., 2700 St. Vincent, St. Louis, Mo.
Kansas City Stained Glass Works Co., 1514 Wyandotte, Kansas City, Mo.
Lamb J. & R., 25 6th av, New York
Morgan John & Sons, 96 5th av, New York & 17 Union av, Brooklyn, N. Y.
O'Halloran's Thos. Sons, 410 Plane, Newark, N. J.
Payne Geo. Hardy, Paterson, N. J.
Phipps Horace J. & Co., 65 Bedford, Boston, Mass.
Quaker City Stained Glass Works, 532 N 6th, Phila., Pa.
Raby, Hinton & Co., Mechanicsburg, Pa.
Rae G. & Co., 173 Prince, New York
Righter & Kolb, 420 Madison av, New York
Riordan G. C. & Co., 313 Walnut, Cincinnati, O.
Spence Geo. W. Co., 90 Canal, Boston, Mass.
Spiers Richard N., 257 W 29th, New York
Thatcher-Kerwin Glass Co., 517 Spruce, St. Louis, Mo.
Tiffany Studios, 361 Madison av, New York
Von Gerichten Art Glass Co., 557 So. High, Columbus, O.
Wallis A. H., 3308 Easton, St. Louis, Mo.
Western Art Glass & Shade Works, 220 Turk, San Francisco, Cal.
Western Sand Blast Mfg. Co., 1453 W Kinzie, Chicago, Ill.
Wood Glass Co., Syracuse, N. Y.

9662a— *Memorials

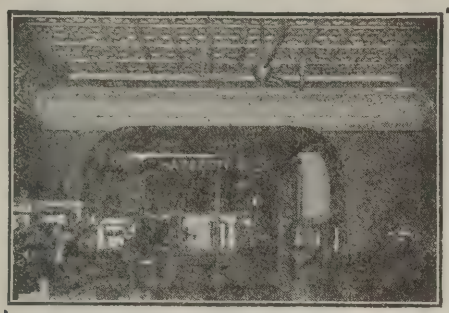
Daprato Statuary Co., 766 W Adams, Chicago, Ill.
See adv index at end of book

9663— Menders (Hose)

ALLEN W. D. MFG. CO. ("Gibbs"), 201-211 N Jefferson, Chicago, Ill.
See adv index at end of book
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
See adv index at end of book
Cassady Fairbank Mfg. Co. ("Samson"), 6126 S La Salle, Chicago, Ill.
Elkhart Brass Mfg. Co. (Iron), Elkhart, Ind.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, O.
Goodall Rubber Co., 11th & Arch, Phila., Pa.
Hamblin & Russell Mfg. Co. ("Magic" Garden), Worcester, Mass.
Hudson Parer Co. ("Hudson"), Leominster, Mass.
Knox Mfg. Co. (For Drill & High Pressure Hose), 321 Cherry, Phila., Pa.
Medina Stamping & Mach. Co., Medina, N. Y.
Nelson L. R. ("Perfect"), Peoria, Ill.
Peoria Can Co. ("Improved Perfect Clinching"), Peoria, Ill.
Rauch Manfg. Co., Galena, Kan.
Sherman H. B. Mfg. Co., Battle Creek, Mich.
Sommer John Faucet Co., 30 Morris, Newark, N. J.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*
Stulp Fred J., 320 Sanford, Muskegon, Mich.
Walsh Safety Lock Snap Co. ("Hose Patch," for Fire Hose), Bellevue, O.

9663a— Menthol

Cooper & Cooper Inc., 23H Cliff, New York
Fearon Brown Co. (Imp.), 96 Wall, New York
Fergusson Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*



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Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Morningstar Chas. & Co., Inc. (Imp.), 349 Broadway, New York
Mercoid Controls & Gauges, See Controls & Gauges (Mercoid)
RIDDLE CHEMICAL CO., 35 S Dearborn, Chicago, Ill.
See adv index at end of book

9663b— Mercury

See also Quicksilver

Atlas Powder Co. (Fulminate of), Wilmington, Del.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Krembs & Company, 667 W Ohio, Chicago, Ill.
Powers-Weightman-Rosengarten Co. (Distilled & Redistilled), 916H Parrish, Phila., Pa.
Riddle Chemical Co., 35 S Dearborn, Chicago, Ill.
See adv index at end of book

9663c—Mercury, Bichloride (Corrosive Sublimate)

Fergusson Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

9663d-e—*Mercury (Cyanide)

Cooper Chas. & Co., 194 Worth, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

9663f— Mercury (Iodide)

Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

9663g—Mercury (Ointment)

RIDDLE CHEMICAL CO., 35 S Dearborn, Chicago, Ill.
See adv index at end of book

9663h—Mercury (Redistilled)

RIDDLE CHEMICAL CO., 35 S Dearborn, Chicago, Ill.
See adv index at end of book

9663i— Mesothrium

C. P. Chemical & Drug Co. Inc., 114-118 Liberty, New York
Palo Co., 153 W 23rd, New York

9663j— Meta-Nitroanaline

DU PONT E. I. DE NEMOURS & CO. INC., Dyestuffs Dept., Wilmington, Del.
See adv index at end of book
National Aniline & Chemical Co., Inc., 40 Rector, New York

9663k—Meta-Toluylenediamine

DU PONT E. I. DE NEMOURS & CO. INC., Dyestuffs Dept., Wilmington, Del.
See adv index at end of book
National Aniline & Chemical Co. Inc., 21 Burling Slip, New York

9664—Metal (Acid Resisting)

Bario Metal Corp. ("Platno" & "Nilo"), 147 Varick, New York
Bethlehem Foundry & Machine Co., Bethlehem, Pa.
Damascus Bronze Co. ("Damascus"), N S, Pittsburgh, Pa.
Durion Casting Co., Dayton, O.
Keystone Bronze Co., 39th & A. V. L. R. R., Pittsburgh, Pa.
Lawrenceville Bronze Co. (For Tin Plate Machinery), Bessemer bldg, Pittsburgh, Pa.
Metal & Alloy Specialties Co., Inc., 1875 Elmwood av, Buffalo, N. Y.
Pacific Fdry. Co. ("Corrosiron"), H, Harrison & 18th, San Francisco, Cal.
Vanadium Metals Co., Vanadium bldg., Pittsburgh, Pa.
Williams & Co. Inc. (Monel), 901-937 Penna. av, Pittsburgh, Pa.

9664a—*Metal (Acid Resisting, Monel)

Williams & Co. Inc., 901-937 Penna. av, Pittsburgh, Pa.

9665— Metal (Britannia)

Belmont Smelting & Refining Works Inc. (Any formula, in any shape bar), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book
Hoyt Metal Co., Boatmans Bank bldg., St. Louis, Mo.
Standard Rolling Mills (Casting, Rolling & Refining), 363 Hudson av, Brooklyn, N. Y.
United Lead Co., 111 B'way, New York
White Metal Rolling & Stamping Corp., 314-16 Calyer, Bklyn., N. Y.

9665a— Metal Cabinets

See also Cabinets

DURABILT STEEL LOCKER CO., Aurora, Ill.
See adv index at end of book

9665b—Metal Ceilings & Walls

See also Ceilings, Sheet Steel

EDWARDS MFG. CO., 545-505 Eggleston av, Cincinnati, O.
See adv index at end of book
Moeschl-Edwards Corrugating Co., Box 564, X Cincinnati, O.
See adv index at end of book

9666-7—Metal (Cellular, for Fireproofing)

EDWARDS MFG. CO. ("Keyridge" Reinforcement Metal Lath & Stud Combined), 545-546 Eggleston av, Cincinnati, O. *See adv index at end of book*
Moeschl-Edwards Corrugating Co., Box 564, X Cincinnati, O.
See adv index at end of book

9668— Metal (Expanded)

See also Lath, Expanded Metal

Concrete Steel Co., 42 Broadway, New York
Consolidated Expanded Metal Co.'s, Rankin, Pa.
Corrugatd Bar Co., Mutual Life bldg, Buffalo, N. Y.
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
GENERAL FIREPROOFING CO. THE, 2308 Logan av, Youngstown, O.
See adv index at end of book
North Western Expanded Metal Co. ("Econo"), 1220 Old Colony bldg, Chicago, Ill.
YOUNGSTOWN PRESSED STEEL CO., ("Yps"), Warren, O.
See adv. index at end of book

9669— Metal (Extruded)

AMERICAN BRASS CO. (Brass & Bronze Rods & Special Shapes), Waterbury, Conn.
For branch offices see adv index at end of book
British Aluminum Co., Ltd. (Aluminum), 165 B'way, New York
Chase Metal Works, Div. Chase Co.'s, Inc. ("Chase"), Waterbury, Conn.
Chase Rolling Mills, Div. of Chase Companies, Inc. ("Chase"), Waterbury, Conn.
Scovill Mfg. Co. (Brass), Waterbury, Conn. *See adv index at end of book*

9670— Metal (Feralun)

American Abrasive Metals Co., 50 Church, New York

9671— Metal Grounds

Knapp Bros. Mfg. Co. ("Knapp System," Base), 2419 W 14th, Chicago, Ill.
Union Metal Corner Co. (For Base), 18 Heath, Boston, Mass.

9671a— Metal Lockers

See also Lockers

DURABILT STEEL LOCKER CO., Aurora, Ill.
See adv index at end of book

9671b— Metal (McAdamite)

McAdamite-Aluminum Co., Detroit, Mich.

9672— Metal (Monel)

Bennett Wire Co. Inc., 7th E & 42nd, New York
Eagle Brass Foundry Co. (Goods), Seattle, Wash.
Electrical Alloy Co. ("Elalco"), Morristown, N. J.
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
International Nickel Co., 67 Wall, New York
PRIER CO. WALTER H., 230 E Ohio, Chicago, Ill.
See adv index at end of book
Steel Sales Corp., 129 S Jefferson, Chicago, Ill.
Supplee-Biddle Hardware Co., 510 Commerce, Phila., Pa.
WHITEHEAD METAL PRODUCTS CO., 67-73 Washington, N Boston, Mass.
See adv index at end of book
Whitehead Metal Products Co. of N. Y., Inc., 261-7 Canal, New York & 43 N 7th, Phila., Pa.
See adv index at end of book
Williams & Co., Inc., 901-937 Pennsylvania av, Pittsburgh, Pa.

9673—Metal (Non-Corrosive)

American Brass Co., Waterbury, Conn.
For branch offices see adv index at end of book
Bario Metal Corp., 147 Varick, New York
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
International Nickel Co., 67 Wall, New York
Supplee-Biddle Hardware Co. (Monel Metal), 510 Commerce, Phila., Pa.
United Alloy Steel Corp. ("Enduro"), Canton, Ohio
Vanadium Metals Co., Vanadium bldg., Pittsburgh, Pa.
Williams & Co. Inc. (Non-Corrosive Monel), 901-937 Penna av. Pittsburgh, Pa.

9674—Metal (Non-Tarnishing)

Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book

(Continued on following page)

Metal (Non-Tarnishing)—Continued

Vanadium Metals Co., Vanadium bldg., Pittsburgh, Pa.
Williams & Co. Inc. (Monel), 901-937 Penna. av, Pittsburgh, Pa.

9675—Metal Novelties & Specialties

Acme Novelty Co., 4222 W Lake, Chicago, Ill.
Aluminum Container Corp. (Boxes, Cups, etc), Fulton, N. Y.
Aluminum Goods Mfg. Co. (Aluminum), Manitowoc, Wis.
American Automatic Device Co., 515 W Monroe, Chicago, Ill.
American Enamel Co., Providence, R. I.
American Pin Co. ("Ampinco" Stamped & Spun, Turned, from Rod, etc) Waterbury, Conn.
Ansonia Novelty Co., Ansonia, Conn.
Apollo Metal Works, La Salle, Ill.
Archibald Co., The, 667 Howard, San Francisco, Cal.
Art Metal Works, 7 Mulberry, Newark, N. J.
Autoyre Co., Oakville, Conn.
Baldwin C. S. Mfg. Co., Cherry, Milford, Conn.
Barrows Lock Co., Lockport, Ill.
Boehck-Lueck Co., 71 W Water, Milwaukee, Wis.
Boston Pressed Metal Co., 170 Union, Worcester, Mass.
Bridgeport Metal Goods Mfg. Co., Pine & Cherry, Bridgeport, Conn.
Bronson Homer D., Co. (From Brass, etc), Beacon Falls, Conn.
Carr M. W. & Co., West Somerville, Mass.
Chicago Metal Mfg. Co., 216 W Ontario, Chicago, Ill.
Childs S. D. & Co., 136 S Clark, Chicago, Ill.
Clark, Cadle, Harmon Corp. (Made from Brass & Steel Rods, etc.), Rochester, N. Y.
Clegg Mfg. & Tool Co., Attleboro, Mass.
Conlan Bernard & Co., 87 Hamilton, Newark, N. J.
Consolidated Fruit Jar Co., New Brunswick, N. J.
Continental Elec. Co. (For Telephones & Electric Instruments), 32 Warren, New York
Cook H. C. Co., 29H Beaver, Ansonia, Conn.
Corry-Jamestown Mfg. Corp. (Specialties), Corry, Pa.
Crellin Machine Co., 123 Llewellyn, Los Angeles, Cal.
Dazey Manufacturing Co. (The) ("Dazey" Flower Holders), 839-43 E 31st, Los Angeles, Cal.
Denning Mfg. Co., 1777H E 87th, Cleveland, Ohio
Domestic Novelty Co., 217 High, Newark, N. J.
Dowst Bros. Co., 124 N Ann, Chicago, Ill.
Duffy J. F., Jr. (Specialties), 563 Fulton, Chicago, Ill.
Fargo E. A. Co. (Aluminum), Taunton, Mass.
Ferre E. H. Co. (& Leather), Lockport, N. Y.
FISCHER CHAS. SPRING CO., 240 Kent av, Brooklyn, N. Y.
Friedley Voshardt Co., 733 S Halsted, Chicago, Ill.
Forsberg Mfg. Co. (Specialties), Bridgeport, Conn.
Gaynor Mfg. Co. (Special Sheet Metal Goods), Bridgeport, Conn.
Gem Stamped Steel Co., Chelsea, Mass.
Geuder, Paeschke & Frey Co. (To Order), 1314-1790 St. Paul av., Milwaukee, Wis. *See adv index at end of book*
Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.
Goertz Aug. & Co. (Fancy Metal Goods), 276 Morris av, Newark, N. J.
Goodell Jas. N., Jr., Inc., 150 N Loraine av, Chicago, Ill.
GRAMMES L. F. & SONS, 311 Union, Allentown, Pa. *See adv index at end of book*
Gray Iron Foundry Co., Reading, Pa.
Greist Mfg. Co. (Contract Manufacturers), New Haven, Conn.
Hall Wilbur B., Meriden, Conn.
Harris Bery Co., 229 Bowery, New York
Havell Mfg. Co. (Gilt, Silvered, Nickel Plated, Brass, Steel & Enameled), 284 Washington, Newark, N. J.
Heise Wm. F. Mfg. Co., 355 Union Park ct, Chicago, Ill.
Hero Mfg. Co. (Aluminum, etc), 1421 Chestnut, Phila., Pa.
Hess Wm. H. (Copper Brass & Aluminum), 60 Main, Onedia, N. Y.
Hill-Smith Metal Goods Co., 102 Brookline av, Boston, Mass.
Hubley Mfg. Co., Lancaster, Pa.
Illinois Pure Aluminum Co. (Aluminum Combs, Hair Pins, Thimbles, etc), Lemont, Ill.
John's Stamping & Machine Works Co., 1715 Leonard, Cleveland, O.
Kawneer Co. (Drawn Moldings in Copper, Brass, Aluminum & Steel), 1226 Front, Niles, Mich.
Keyes-Davis Co., Battle Creek, Mich.
King William P., Syracuse, N. Y.
Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cinn, O.
Logan Mach. & Mfg. Co., 126 S Clinton, Chicago
McMorran Edw. E. & Co. (To Order), 126 N Union, Chicago, Ill.
Matthews H. A. Mfg. Co., Seymour, Conn.
Mechanical Machine & Tool Works, 549 Fulton, Chicago, Ill.
Milwaukee Metal Working Co., 383 Clinton, Milwaukee, Wis.
Monarch Tool Co., 122 Opere pl, Cincinnati, O.
National Sheet Metal Co. ("Nicolene" Household, Comb Cases, Round & Oblong Trays, Comb Trays & Scrappers), Peru, Ill.
New Haven Plating & Novelty Co., 31 Artizan, New Haven, Conn.
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Norwalk Mfg. Co. (Specialties), E. Norwalk, Conn.
Novelty Mfg. Co. (Brass Mounting & Trimmings), Waterbury, Conn.
Oakville Co. (Brass & Steel Wire and Sheet Metal), Waterbury, Conn.
O'Neill & O'Neill (Fancy Metal Goods), Newark, N. J.
Osborn J. K. Mfg. Co., Harrison, N. J.
Parke Jno. Y. Co. (Dirs. Brass Goods for Hardware Trade), 27 N 7th, Phila., Pa.
Pick Albert & Co., 212 W Randolph, Chicago, Ill.
Poeter E. & Co. (Fancy Metal Goods), 1168 S Grove, Newark, N. J.
Precision Engineering Co., Jamestown, N.Y.
Precision Metal Workers, 3100 Carroll av, Chicago, Ill.
Pressed Steel Car Co. (Pressed Steel Specialties), 307 5th av, Pittsburgh, Pa.
R. & S. Engraving & Die Works, 617-631 W Jackson blvd, Chicago, Ill. *See adv index at end of book*
REED & SKEPPSTROM, 625 W Jackson blvd, Chicago *See adv index at end of book*
Regan H. & G. P. Inc., 40th av & E 10th, Oakland, Cal.
Reinforced Concrete Co., St. Louis, Mo.
Richmond Bros. Co., 177 Chestnut, Newark, N. J.
Riley-Klotz Mfg. Co. (Of All Kinds), 11 Mulberry, Newark, N. J.
Rome Mfg. Co., Inc. ("Rome" Assembled), Rome, N. Y.
Saal H. G. Co., 1800 Montrose av, Chicago Ill.
Salt Wm. B. Mfg. Co. (Steel, All Kinds), Aspenwall, Pa.
Sargeant Mfg. Co., 79 Summit, Newark, N. J.
Schroeder Brothers Mfg. Co., 111 Brook, Torrington, Conn.
Scovill Mfg. Co. (to Order Only), Waterbury, Conn. *See adv index at end of book*
Seymour Metal Goods Co. (Corset Trimmings), 14H Beecher, Seymour, Conn.
Smith Richardson Co., Attleboro, Mass.
Snow Albert E. & Co., 252 B'way, New York
Sterling Metal Novelty Mfg. Co., 174 Worth, New York
Stierlin Machine & Die Works, 625 W Jackson blvd, Chicago, Ill.
Stirrup Mfg. Co., Inc. (Fancy Metal Goods), Market, Newark, N. J.
Success Mfg. Co. (Ash Sifters, Roof Flanges, Traps, etc), Gloucester, Mass.
Thomas Mfg. Co. (Household Specialties), Dayton, O.
Tobman Mfg. Co. (Notion Specialties), 19 W 3rd, Boston, Mass.
Torrington Mfg. Co. (Brass & Iron), Torrington, Conn.
Troy Stamping Works (Novelties), Troy, N. Y.
Turner & Seymour Mfg. Co. (Of All Descriptions), Torrington, Conn.
Universal Mach. Wks., 1060H Germantown av, Phila., Pa.
Universal Toy & Novelty Mfg. Co., 824 Folsom, San Francisco, Cal. Newark, N. J.
Vogel Wm. & Bros., 37 S 9th, Brooklyn, N. Y.
Walstad Machine Co., 1005 East D, Tacoma, Wash.
Waterbury Brass Goods Corporation (Made from Brass), Waterbury, Conn.
WATERBURY BUTTON CORPORATION (Also Composition), Waterbury, Conn. *See adv index at end of book*
Waterbury Mfg. Co., Division Chase Companies, Inc. (Made from Brass), Waterbury, Conn.
WEBER BROS. METAL WKS., 122 N Jefferson, Chicago, Ill. *See adv index at end of book*
Western Steel Car Foundry Co. (Pressed Steel Specialties), 122 S Michigan, Chicago, Ill.
Wis. Iron & Wire Wks., 1660H Booth, Milwaukee, Wis.
Zinn, Simon, Inc. (Light Stamped Sheet Brass, Steel, Tin & Zinc), 210 11th av, New York

9676-7— Metal Polish

A-1 Manufacturing Co. ("A-1" Liquid & Paste), Front & Wharton, Phila., Pa.
A. B. Polish Co. ("A. B." "Brilliant King" Silver), 1515 Haddon av, Chicago, Ill.
Adams & Elting Co. ("Shi-Nite"), 1834 S Canal, Chicago, Ill.
Adro Co. ("Adro"), 247 Pearl, New York
Albion Mfg. Co., Seattle, Wash.
Alcemo Mfg. Co., 35 Bridge, Newark, N. J.
American Metal Polish Co. ("Puts Cream," "Universal Metal Puts Pomade," "Silva Puts" Liquid & Paste"), West Somerville, Mass.
American Motor Equipment Co. ("Dazzleine" & "Cinch"), 131 Massachusetts av, Boston, Mass.
Anchor Oil & Chemical Co. ("Anchor"), Cleveland, O.
Apothecaries Hall Co., Waterbury, Conn.
Arco Co., Euclid av & E 65th, Cleveland, O.
Armiger Chemical Co. ("Rex" Cream), 2155 Austin av, Chicago, Ill.
Arnold N. B., ("Silkup"), 1 Sigourney, Brooklyn, N. Y.
Arnstein Eugene ("Shineall"), 253 N Western, Chicago, Ill.
Babbitt B. T. (Inc.) ("Spic & Span"), 15 W 34th, New York
Baird Bros. & Co., 1435 W 10th, Cleveland, O.
BARKER BROS. INC., 327-329 Johnson, Brooklyn, N. Y. *See adv index at end of book*
Baum's Castorine Co. ("Quick Shine," "Rapid"), Rome, N. Y.
Beckley-Ralston Co. ("Carnation-Cream"), 1801 S Michigan av, Chicago, Ill.
Ben-Hur Metal Polish Co. ("Ben-Hur"), Crawfordsville, Ind.
Bennett E. W. & Co. ("Brilliantshine"), 2000 16th, San Francisco, Cal.
Bettes A. O. Mfg. Co. ("Ideal"), 1008 Union, Kansas City, Mo.
Black Silk Stove Polish Works, Sterling, Ill.
Blair J. T. Co. ("J. T."), 517 Commerce, Nashville, Tenn.
Bobrick Chemical Co. ("E. Z. Q."), Los Angeles, Cal.
Borsum Bros. ("Wonderful," "Trumpet," "Kaiser" Paste, etc), 227 Fulton, New York
Bosler Leather Goods Co., 1935 S Wabash av, Chicago, Ill.
Brewer & Co. ("Volki"), 35 Artic, Worcester, Mass.
Brillo Mfg. Co. ("Brillo" Aluminum), Pearl & Tillary, Bklyn., N. Y.
California Exterminating Co. Inc., 373 W 125th, New York
Certain-teed Products Corp., St. Louis, Mo.
Chemical Supply Co. ("Perfection"), 2450 Canal rd, Cleveland, O.
Cleaner Mfg. Co. ("Polishine," Liquid Paste & Powder), 2342 Olive, St. Louis, Mo.
Cleanola Co. ("Spe-De-Shyne"), Fulton bldg, Pittsburgh, Pa.
Colgan Mfg. & Supply Co. ("Peerless," "Crescent"), 113 Maiden la, New York
Connors Wm. Paint Mfg. Co. ("American Seal"), Troy, N. Y.
Converse W. W. & Co., Palmer, Mass.
Crowell Chemical Co., ("Oxford" & "Ajax" Liquid Paste & Brick & "Oxford" Nickel), Beverly, Mass.
Crown Chemical Co. ("Bailey's Crown"), Georgia & Penn, Indianapolis, Ind.
Cudahy Packing Co. ("Parrot"), 111 W Monroe, Chicago, Ill.
De Luxe Sales Co. ("De Luxe"), 621 Sacramento, San Francisco, Cal.
Detroit White Lead Works ("Rogers Auto Brass Shine"), 560 E Milwaukee, Detroit, Mich.
Dielectric Mfg. Co. ("Dielectric"), 224 S Vandeventer av, St. Louis, Mo.
Dilg Mfg. & Trading Co. ("Acme" plate), 27 E 125th, New York
Dunlap Mfg. Co. ("Oil of Gladness"), Bloomington, Ill.
Easterday Supply Co. ("Blue Cross"), 936 Howard, San Francisco, Cal.
Electro Silicon Co. (Silver Powder), 30 Cliff, New York
Endurance Autoil Co. ("Best Ever"), Muncie, Ind.
Ericka Mfg. Co. ("Shineaul"), 882 Liberty, Springfield, Mass.
Fairchild M. H. & Bro., 6 W Austin av, Chicago, Ill.
Flebing Chemical Co. ("Flebing's" "Lusterine"), 240 Reed, Milwaukee, Wis.
Forbes Benj. P. Co., 3736 W 36th, Cleveland, O.
Garratt-Callahan Co. ("Metalshine"), 30 Fremont, San Francisco, Cal.
General Utility Products Co. ("Lion Brand"), 407 Brannan, San Francisco, Cal.
Globe Polish Co. (Liquid & Paste), Lincoln N. J.
Golden Star Polish Mfg. Co. Inc. ("Golden Star"), 315 E 21st, Kansas City, Mo.
Grady Mfg. Co. ("Scouree," "U-No," "Putz," Glittershine," "Army & Navy," "National," "Compound") 250 Ely av, Brooklyn, N. Y.
Great Western Oil Co. ("G. W."), 234 E 37th, Cleveland, O.
Greene Mineral Paste Co., Keene, N. H.
Hall-Thompson Co. ("Wonder Worker"), 844 Windsor av, Hartford, Conn.
Harris A. W. Oil Co. ("Harris-Scouree"), 326 So Water, Providence, R. I.
Harvey Chemical Co. ("American" Liquid & Paste "Dissolvent"), Lafayette, Ind.
Hawkeye Oil Co. ("Faultless"), Waterloo, Iowa
Hazen-Brown Co. ("Monkey-Shine"), 727 Atlantic av, Boston, Mass.
Heaney Mfg. Co., 10 Ind. sq, Boston, Mass.
Hercules Chemical Wks., 5019 S State, Chicago, Ill.

Hinds & Coon ("Ruby-Rub"), 126 Pearl, Boston, Mass.
Hoffman Geo. W. Co. ("U. S." Infallible Paste, Powdered & Liquid, "Bar Keepers' Friend"), 557 E Washington, Indianapolis, Ind.
Hollingshead R. M. Co. ("Whiz," "Hollingshead," "Nu-Glass" Liquid & Paste), 112 N 9th, Camden, N. J.
Hoosier Mfg. Co. ("Hoosier"), 501H W. McCarthy, Indianapolis, Ind.
Idealo Co., Walnut La & Sarah, Phila., Pa.
International Metal Polish Co. ("Blue Ribbon"), Quill & Belt Ry, Indianapolis, Ind.
Justice A. R. Co. ("U-Kane Plate" Silver), 612 Chestnut, Phila., Pa.
Kimball C. M. Co. ("Kimball's Red Cap"), Winthrop, Mass.
Landers, Frary & Clark ("L. F. & C." Cleaning & Polishing Powder for Gold, Silver Plated Ware, etc), New Britain, Conn.
Le Doyen Frank J. Co. ("Varnoil"), 827 Mangold, Baltimore, Md.
Lincoln Fixture & Supply Co. ("Iwanta"), Lincoln, Neb.
Lord F. T. Polish Co. ("Lumino" & "Car-Brite"), Cambridge, Mass.
Lustre Creme Mfg. Co. ("Lustre Creme"), Rock Island, Ill.
McLean-Jones Oil & Supply Co., Inc. ("Swastika"), 40 Court, Boston, Mass.
Manufacturers' Oil Grease Co. ("Brass Bright"), Century bldg, Cleveland, O.
Manufacturers' Supplies Co. ("Velox") Juniper & Cherry, Phila., Pa.
Marshall Oil Co. of Iowa ("French"), Marshalltown, Ia.
Martin Martin ("E-Z" Liquid Paste, etc), 3005 Carroll, Chicago, Ill.
Matchless Metal Polish Co. ("Mexoline" Liquid Non-Inflammable, "Matchless" Paste), 151 Varick, New York
Mepham Geo. S. & Co., 20th & Lynch, E St. Louis, Ill.
Michigan Stove Co. ("Garland," Nickel), Adair & Jefferson, Detroit, Mich.
Millers' A. D. Sons Co. ("Appex Polishine"), Columbus & Preble, Pittsburgh, Pa.
Mills H. W. & Co. ("Croftstein"), Paterson, N. J.
Modoc Co. ("Modoc," Brass Polish), Fernwood, Phila., Pa.
Monroe Specialty Co. ("Meritorious"), 290 W 11th, New York
Moore E. C. & Son Co. ("Moore"), 11 Elizabeth av, Detroit, Mich.
Motor & Machinists Supply Co. ("M. & M. Diamond"), 1519 Grand, Kansas City, Mo.
Mutual Auto Accessories Co. of America ("Skidoo," "23" & Hand Soap), 47 W 63rd, New York
National Rubber & Specialties Co. ("Pioneer" Liquid), Winton pl, Cincinnati, O.
N. J. Paint Works ("New Jersey" & "Bertram"), Wayne, Jersey City, N. J.
Newman Mfg. Co., 420 Elm, Cincinnati, O.
Northwestern Chemical Co. ("Sil-ver-ol," "Pioneer"), Marietta, O.
Northwestern Mfg. Co., 725 E Vermont, Indianapolis, Ind.
Noxall Polish Mfg. Co. ("Noxall"), 1233 Belmont av, Phila., Pa.
Opie J. W. Brush Co. ("O P"), Kansas City, Mo.
Orona Sales Co. ("O. M. C. Alumishine"), 216 Mills, Boston, Mass.
Pacific Chemical Co. ("Metalsparkle"), 1421 N Main, Los Angeles, Cal.
Panama Oil & Grease Co. ("Panama" Liquid & Paste), 113 W 51th, New York
Parker Refining Co. ("Shine Bright"), 1307 W 11th, Cleveland, O.
Patterson Lubricating Co. ("Patterson Lustre"), 11 Storer, Boston, Mass.
Patton Paint Co. ("Sunbright"), Milwaukee, Wis.
Paul J. C. & Co. ("Burnshine"), Liquid, "Putz," Pomade, "Pride of the Bar Powder"), 930 Roscoe, Chicago, Ill.
Phoenix Chemical Co. ("Silver Cream"), 2804 16th, San Francisco, Cal.
Pickthall Supply Co., 321 Fremont, San Francisco, Cal.
Pride of the Kitchen Co. ("Peekay"), 400 Smith, Brooklyn, N. Y.
Providence Oil Co. ("Zone"), Massasoit av, Providence, R. I.
Pure Oil Co. ("Puritan"), 1st & 13th av, S, Minneapolis, Minn.
Puritan Oil Co. ("Gilsten"), 1244 W 70th, Cleveland, O.
Puritan Soap Co. ("Puritan," Liquid), 496 Exchange, Rochester, N. Y.
Reith Polish Co., 1626 N Sawyer av, Chicago, Ill.
Rexine Company ("Maxine"), Sheboygan, Wis.
Richmond Bros. ("Met-al-shine"), 616 Main, Cincinnati, Ohio
Rider-Upright Mfg. Co., Inc. ("R. & R."), 936 S Main, Los Angeles, Cal.
Rochester Chemical Co. ("Shinon"), Rochester, N. Y.
Rutland Fire Clay Co. ("Rutland"), Rutland, Vt.
St. Louis Surfacer & Paint Co., Arlington & Terminal & Belt Line, St. Louis, Mo.
Sawyer Howard B. Oil Co., ("Sawyer's"), 62 Long wharf, Boston, Mass.
Schlegel Oscar Mfg. Co. ("Lustreine" Liquid), 124 E 13th, New York
Sheppard W. S. ("Prestoshine"), 21 Lawrence, Newark, N. J.
Sherwin-Williams Co. ("Brassbrite"), Cleveland, O.
Solarine Co., 153 N Carpenter, Chicago, Ill., & Emerson bldg., Baltimore, Md.
Solshine Mfg. Co. ("Solshine"), 22 Custom House, Boston, Mass.
Sonneborn L. Sons ("Amalie" Paste, Liquid & Non-Burning), 262 Pearl, New York
Speare's Alden Sons Co., ("Speare's"), Cambridge, Mass.
Spicky Polish Corp. ("Spicky"), 214 Front, San Francisco, Cal.
Standard Chemical Co. ("Standard"), Houston, Texas
Stanley Jno. T. ("Hyglo"), 642 W 30th, New York
Star Oil Co., 348 N Irving av, Chicago, Ill.
Stevens Geo. I., Essex, Conn.
Stinson B. F. & Co. ("Easybright"), Buffalo, N. Y.
Superl Mfg. Co. ("Superl" for all metals), 414 N San Pedro, Los Angeles, Cal.
Suydam M. B. Co. ("Monarch"), 61st & Butler, Pittsburgh, Pa.
Sweet C. F. ("Sweet's Magic"), 151 Retreat, Hartford, Conn.
Tanite Co. ("Tanite" Polishing Paste), Stroudsburg, Pa.
Tarbox Mfg. Co., New London, Conn.
Texas Company The, Dept. D, 17 Battery pl, New York
See adv index at end of book
Thumb E. W. ("Sunshine" Brass Bed), 872 Orleans, Chicago, Ill.
Trafton F. M. Co. ("Brilliant"), 176 Federal, Boston, Mass.
Ulrich & Co. ("A-O-K," "Raydo" Liquid & Dry), 363 E North, Buffalo, N. Y.
Uno Mfg. Co. ("S & B," "Uno"), 1515 Carroll, Chicago, Ill.
U-Sav-Your Mfg. Co. ("U-Sav-Your" Automobile Dressing & Polish), Warren, Mass.
Utility Co. (Powder), 636 W 44th, New York
Van Tilburg Oil Co. ("Goldshine"), 2428 University av, S E, Minneapolis, Minn.
Van Winkle & Van Winkle, Ridgewood, N. J.
Wadsworth-Howland Co., ("Bay State"), 741 Federal, Boston, Mass.
Warren Refining & Chemical Co. ("Warren"), 9420 Meech av, Cleveland, O.
West Disinfecting Co. ("Kwyk"), 411 5th av, New York
See adv index at end of book
Western Robe Mills ("Allen's New Discovery" Powder "Western" Liquid), 162 N Des Plaines, Chicago, Ill.
Williams Mfg Co. Westerville, O
Winn Wm. R ("Moonshine"), 488 Cherry, New York
Woodtite Laboratories, Modesto, Cal.
Wright J. A. & Co. ("Wrights"), Keene, N. H.
Young Orlando W., 32 Ross, Newark, N. J.

9678—Metal Sash & Moldings

Biele Chas. F. & Sons Co. (Brass, Bronze, Copper, Nickel, Silver, Platinum, etc), 381 W 12th, New York
Braun J. G., 609 S Paulina, Chicago, Ill.
Cal. Fire Proof Door Co. (Metal Covered "Wilcox"), 1931 S Los Angeles, Cal.
Central Metal Products Co. ("C. M. P."), Canton, Ohio
Clason Architectural Metal Works (Metal Frames & Sashes Only). Works: 428 Kinsley av, Providence, R. I.
Curtain Supply Co. (Cars & Buses), 350 W Ontario, Chicago, Ill.
Dahlstrom Metallic Door Co., 413 Buffalo, Jamestown, N. Y.
See adv index at end of book
Friedly Voshardt Co., 733H S Halsted, Chicago, Ill.
Hunkins-Willis Lime & Cement Co. (Dirs. Metal Sash), Century bldg, St. Louis, Mo.
McCord Mfg. Co. (For Car Windows, etc.), 2587 E Grand blvd, Detroit, Mich.
National Metal Moldings Co. ("National"), 1110 Fulton bldg, Pittsburgh, Pa.
Zouri Drawn Metals Co., 1803 E End av, Chicago Heights, Ill.

9679— Metal (Silver)

Empire Metal Co. (For Bright Galvanizing), Syracuse, N. Y.
Round Mountain Mining Co., Montgomery, San Francisco, Cal.
Vanadium Metals Co., Vanadium bldg, Pittsburgh, Pa.

9679a— Metal (Small Wares)

Am. Brass Products Co., Pottstown, Pa.
Bass H. & Son, 434 Broadway, New York

9679b— *Metal (Sparking)

New Process Metal Co., 46-50 Center, Newark, N. J.

9679c— Metal (Thermostatic)

Blancke A. C. & Co., 602 W Lake, Chicago, Ill.
WILSON H. A. CO. ("Wilco"), 99 Chestnut, Newark, N. J.

9680—Metal Threshold (Air Tight)

Pittsburgh Air Tight Metal Door Sill Co., Liberty & Short, Pittsburgh, Pa.

9681-2—Metal (Yellow Muntz)

American Brass Co., Waterbury, Conn.
For branch offices see adv index at end of book
BALTIMORE TUBE CO. (Tubing, Pipe, Sheets & Condenser Tubes), Wicomico & Ostend, Baltimore, Md.
See adv index at end of book
Conklin T. E. Brass & Copper Co., 54-60 Lafayette, New York
See adv index at end of book
Detroit Copper & Brass Rolling Mills, Clark av, nr Wabash R. R., Detroit, Mich.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Merchant & Evans, Washington av & 21st, Phila., Pa.
Michigan Copper & Brass Co., 1611 W Jefferson av, Detroit, Mich.
Natl. Smelting Corpn., 554 Bryant, San Francisco, Cal.
Taunton-New Bedford Copper Co. (Sheets, Bars, etc.), Taunton, Mass.

9683— Metallic Sash Bars

Anderton E. K., 210 Grand, New York
Barnum E. T. Wire & Iron Works, 864 Woodward, Detroit, Mich.
Crown Iron Wks. Co., 1229 Tyler, Minneapolis, Minn.
Braun J. G., 609 S Paulina, Chicago, Ill.
Detroit Show Case Co., 1670H, Fort W., Detroit, Mich.
International Steel & Iron Co., Evansville, Ind.
Jones Trevor F. & Co., 374 W B'way, New York
National Metallic Sash Co. (Zinc), 406 N Leavitt, Chicago, Ill.
Rochester Show Case Works, Rochester, N. Y.
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.
Thorne Hold-Fast Metal Bar Co., Troy, N. Y.
Voltz Mfg. Co. ("Universal"), 914 Penn., St. Joseph, Mo.

9684—Metallurgical Research Apparatus

Holz & Co., Inc., 18 Madison av, New York

Metals (Anti-Friction)

See Babbitt Metal; also Bearings, Various Kinds

9685—Metals (Antimonial Lead)

Belmont Smelting & Refining Works Inc. (Belmont Brand—any formula), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book
Sandoval Zinc Co., 410 N Peoria, Chicago, Ill.

9686— Metals (Antimony)

Amalgamated Metals Selling Co., Ltd., 42 Broadway, New York
Belmont Smelting & Refining Works Inc. (All Brands—also Powder), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book
Birkenstein S. & Sons, 1055 W North av, Chicago, Ill.
Cooper Chas. & Co., 194 Worth, New York
Fuerst Bros. & Co. (Imported), 2 Stone, New York
Hendricks Bros., 49 Cliff, New York
Hiertz Theo. Metal Co., Alaska & Tesson, St. Louis, Mo.
Richards & Co., 192 Beverly, Boston, Mass.
Trotter Nathan & Co., 36 N Front, Philadelphia, Pa.
Union Smelting & Refining Co. ("Usarco"), St. Charles, Newark, N. J.
Weil Louis, 90 West, New York
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*
Wolff L. A. Metal Works, 1257 Harrison av, Cincinnati, O.

9687-8—Metals (Benedict Nickel)

AMERICAN BRASS CO., Waterbury, Conn.
For branch offices see adv index at end of book

Metals (Bearing)

See Babbitt Metal; also Bearings, various kinds.

9689— Metals (Copper)

Chase Metal Works, Div. Chase Co.'s, Inc. ("Chase"), Waterbury, Conn.
Chase Rolling Mills, Div. Chase Companies, Inc. ("Chase"), Waterbury, Conn.
Conklin Brass & Copper Co. T. E., 54-60 Lafayette, New York
See adv index at end of book
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Stamford Rolling Mills Co., Inc. (Sheets), Springdale, Conn.
Wolff L. A. Metal Works, 1257 Harrison av, Cincinnati, O.

9690—Metals (Cupro Nickel)

AMERICAN BRASS CO. (Sheets), Waterbury, Conn.
For branch offices see adv index at end of book
(Continued on following page)

Metals (Cupro Nickel)—Continued

Scovill Mfg. Co. (Products to Order Only), Waterbury, Conn.
See adv index at end of book
Stamford Rolling Mills Co. Inc. (Sheets), Springdale, Conn.

9690a— Metals (Die Casting)

BELMONT SMELTING & REFINING WORKS INC. (Belmont Brand—any formula), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book
Kramer H. & Co., Loomis & 21st pl, Chicago, Ill.
NEW JERSEY ZINC SALES COMPANY, THE ("Horse Head" and "Nassau" Brands Slab Zinc), 158 Front, New York
See adv index at end of book

HORSE HEAD SLAB ZINC
(HIGH GRADE)
The standard for Zinc base Die Castings
The New Jersey Zinc Co.
Products distributed by
THE NEW JERSEY ZINC SALES CO.

Union Smelting & Refining Co. ("Usarco"), St. Charles, Newark, N. J.

9691—Metals (Electrotype, Linotype, Monotype, Stereotype, Etc.)

Am. Smelting & Refining Co., 120 Broadway, New York
Atlas Brass Foundry Co., Columbus, O.
Belmont Smelting & Refining Works Inc. (Belmont Brand), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book

TYPE METALS
Electrotype—Linotype—Intertype
Monotype—Stereotype
and All Virgin Metals
Belmont Smelting and Refining Works, Inc.
General Office: 328 Belmont Ave., Brooklyn, N. Y.

Blatchford E. W. Co., 230 N Clinton, Chicago, Ill.
Eagle Picker Lead Co. The, 208 S La Salle, Chicago, Ill.
Eagle Smelting & Refining Works, 233 B'way, New York
Empire Metal Co., Syracuse, N. Y.
Finn John Metal Works, Seattle, Wash.
GARDINER METAL CO., 1364 W Lake, Chicago, Ill.
Gorman Metal Co. ("Gorco"), 735 Bryant, San Francisco, Cal.
Great Western Smelting & Refining Co., 4100 Wallace, Chicago, Ill.
Hiertz Theo. Metal Co., Alaska & Tesson St. Louis, Mo.
Hoyt Metal Co., Boatmen's Bank bldg, St. Louis, Mo.
Illinois Smelting & Refining Co., 410 N Peoria, Chicago, Ill.
Jacobson I. M. & Sons, 70 Catherine, Detroit, Mich.
Lee-Zurich Alleys Corp., 335 Calyer, Brooklyn, N. Y.
Lissberger, Marks & Son, 281 Borden av, Long Island City, New York
MERCHANT & EVANS CO. ("Spartan"), Washington av & 21st, Phila., Pa.
Michigan Smelting & Refining Co., 7881 Jos. Campau av, Detroit, Mich.
See adv index at end of book
Murphy Metal Co., 327 S La Salle, Chicago, Ill.
Nassau Smelting & Refining Works, 608 W 29th, New York
National Lead Co., 111 B'way, New York
North American Copper Co., 52 Vanderbilt av, New York
North American Smelting Co. ("Crescent," "Crown"), 9th & Thompson, Phila, Pa.
Northwestern Shot & Lead Works, 90 Fairfield av W, St. Paul, Minn.
Ohio Metal Co., 1137 N 4th, Columbus, O.
Pacific Metal Works, 153 First, San Francisco, Cal.
Peerless Alloy Co., 1409 Blake, Denver, Colo.
Pittsburgh White Metal Co., 3116 Penn av, Pittsburgh, Pa.
Union Smelting & Refining Co. ("Usarco"), St. Charles, Newark, N. J.
Union Smelting & Refining Trust, 648 Laura, Los Angeles, Cal.
United American Metals Corp., 192 Diamond, Brooklyn, N. Y.
United Lead Co., 111 B'way, New York
United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.
Wensley Metal Products Co., Denver, Colo.
Williams E. A. & Son, 109 Plymouth, Jersey City, N. J.
Wolff L. A. Metal Works, 1257 Harrison a, Cincinnati, O.

9691a— *Metals (General)

Belmont Smelting & Refining Works Inc. (Buyers & Sellers all metals), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book

Metals Brass and Bronze Ingot, Copper, Aluminum, Lead, Tin, Spelter, Solder, Babbitt, Type Metals.
New and Scrap Metals Bought and Sold
BELMONT SMELTING & REFINING WORKS, Inc.
Gen'l Office: 328 Belmont Ave., Brooklyn, N. Y.

9692— Metals (King)

Mohican Brass & Copper Works, 107 Liberty, New York
Patterson Bros., 277 Park Row, New York

9693— Metals (Magnesium)

American Magnesium Corp., Niagara Falls, N. Y.
Fuerst Bros. & Co. (Imported), 2 Stone, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Philipp Bros., Inc., 233 Broadway, New York
United Smelting & Aluminum Co., Inc, 183-189 Commerce, New Haven, Conn.

9694— Metals (Manganese)

Dow Chemical Co., Midland, Mich.
Metal & Thermit Corp., 120 B'way, New York
Philipp Bros., Inc., 233 Broadway, New York

9695— Metals (Nickel)

Belmont Smelting & Refining Works Inc. (Belmont Brand—all alloys), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book
BENSON ROLLING MILLS, INC., Glen Ridge, N. J.
Conklin Brass & Copper Co. T. E., 54-60 Lafayette, New York
See adv index at end of book
Drakenfeld B. F. & Co., Inc., 50 Church, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg., Cleveland, O.
See adv index at end of book
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
International Nickel Co., 67 Wall, New York
Merchant & Evans, Washington av & 21st, Phila., Pa.
Philipp Bros., Inc., 233 Broadway, New York
Steel Sales Corp., 129 S Jefferson, Chicago, Ill.
United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.
United States Nickel Co., New Brunswick, N. J.
Whipple & Choate, Bridgeport, Conn.
WILLIAMS & CO. (INC.) 901-927 Pennsylvania av, N. S.

9695a—Metals (Nickel Silver)

AMERICAN BRASS CO., Waterbury, Conn.
See adv index at end of book
Conklin T. E. Brass & Copper Co., 54-60 Lafayette, New York
See adv index at end of book
Conn. Brass & Mfg. Corp. (Thin Gauge Sheets), Watertown av, Waterbury, Conn.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Scovill Mfg. Co. (Specialties), Waterbury, Conn. *See adv index at end of book*

Metals (Old)

See Scrap Iron & Steel
See also Scrap Brass & Copper

9696— Metals (Perforated)

Allis Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Beckley Perforating Co. (For All Purposes), Garwood, N. J.
California Perforating Screen Co., 416 Harrison, San Francisco, Cal.
Central Stamping Co., 206 B'way, New York
Chicago Perforating Co., 208 S LaSalle, Chicago, Ill.
Cross Engineering Co., Carbondale, Pa.
Erdle Perforating Co., 171 York, Rochester, N. Y. *See adv index at end of book*

Erdle Perforating Co.
Manufacturers of
PERFORATED METALS
We carry in stock blank sheets of *Aluminum, Brass, Copper, Steel, Tin* and *Zinc,* and are able to give prompt service on your orders for *Screens for Threshing Machines, Fanning Mills, Pumping Machinery, Ventilators, Grilles, Electrical Devices,* etc.
Fifty years of progressive experience has made ERDLE SERVICE UNEQUALLED.
Let us have your specifications, and ask us for prices.
Erdle Perforating Co.
ROCHESTER, N. Y., U. S. A.

Everitt Co., 267 Franklin, Boston, Mass.
See adv index at end of book
HARRINGTON & KING PERFORATING CO., 5638 Fillmore, Chicago, Ill.
Hendrick Mfg. Co., Carbondale, Pa.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Johnston & Chapman Co., 2925 Carroll av, Chicago, Ill.
Laubenstein Mfg. Co., Ashland, Pa.
Littleford Bros., 444 E Pearl, Cincinnati, O.
See adv index at end of book
Manhattan Perforated Metal Co., 237 Centre, New York
Merchant & Evans Co. (Brass, Copper, Iron or Steel), Washington av & 21st, Phila., Pa.
Multi-Metal Separating Screen Co., 251 W 19th, New York
Mundt Charles & Sons, 53 Fairmount av, Jersey City, N. J.
NORTMANN-DUFFKE CO. (Perforated from all Metals), 1233 27th av, Milwaukee, Wis.
See adv index at end of book

NORTMANN-DUFFKE CO.
Manufacturers of
Perforated Metal Screens
and all types of
Perforated Metals
We solicit your inquiries
1233-27th Ave. Milwaukee, Wis.

Novelty Mfg. Co. (Also Embossed), Waterbury, Conn.
Seibel-Suessdorf Copper & Iron Mfg. Co., 2d & Lombard, St. Louis, Mo.
Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.
Toepfer W. & Sons Co., 80 Menomonee, Milwaukee, Wis.
WICKWIRE SPENCER STEEL CORP., 41 E 42nd, New York
See adv index at end of book

9697— Metals (Plated Sheet)

National Sheet Metal Works, (Nickel, Tin & Zinc, Bronzene, Brassene, Copperene, etc), Peru, Ill.

9698-9— Metals (Platers')

Connecticut Brass & Mfg. Corp. (Thin Gauges of Rolled Brass, Bronze, Nickel, Silver, Copper), Waterbury, Conn.
Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Winchester B. & C. Co. (Thin Gauges, Rolled Brass, Bronze & Copper), Winsted, Conn.

9700— Metals (Silicon)

Belmont Smelting & Refining Works Inc. (any formula), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book
Carborundum Co., Niagara Falls, N. Y.

9701— Metals (Silver)

Earle E. P., 165 Broadway, New York

9702— Metals (Terne)

Pittsburgh Smelting & Refining Co., Elizabeth & B. & O. R. R., Pittsburgh, Pa.

9703—*Metals (Tobin Bronze)

AMERICAN BRASS CO., Waterbury, Conn.
For branch offices see adv index at end of book
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York

9703a—Meter—Discs & Counters (Numbered)

Hanks F. W. ("Nowarp" Discs), 1064 St. Clair av, Cleveland, O.

9704— Meter Provers

American Meter Co., 17th & Clearfield, Phila., Pa.
Equitable Meter Co., 424 1st av, Pittsburgh, Pa.
Frontier Meter Works, Buffalo, N. Y.
McDonald D. & Co., Albany, N. Y.
Phoenix Meter Co., Camden, N. J
Pittsburgh Meter Co., East Pittsburgh, Pa.
Superior Meter Co., 167 41st, Brooklyn, N. Y.
Western Electro Mechanical Co., 465 2d, Oakland, Cal.

9705— Meter Seals

Amer. Casting & Mfg. Corp., 30 Main, Brooklyn, N. Y.
Books E. J. Co., 98 Park pl, New York
Eastern Specialty Co., 3310 Germantown, Phila., Pa.
International Seal & Knot Protector Co., 133 Mercer, New York
Keystone Seal & Press Co. ("Keystone"), 30 Main, Brooklyn, N. Y.
Lattimer-Stevens Co., 74 E Gay, Columbus, O.
Metropolitan Engineering Co. (Metal-Porcelain), 1250 Atlantic av, Brooklyn, N. Y.

9706— Meters (Acetylene)

Bachrach Industrial Instrument Co., H, Murtland & Bennett, Pittsburgh, Pa.
Cleveland Gas Meter Co., 2180 E. 65th, Cleveland, O.
Frontier Meter Works, Buffalo, N. Y.
Griffin J. J. & Co., 1513 Race, Phila., Pa.
Maryland Meter Works, North & Saratoga, Baltimore, Md.

9707— Meters (Air)

Bachrach Industrial Instrument Co., Dept. H, Murtland & Bennett, Pittsburgh, Pa.
Bailey Meter Co. ("Bailey"), E 46th at Euclid, Cleveland, O.
Builders Iron Foundry ("Venturi"), 9 Codding, Providence, R. I.
GENERAL ELECTRIC CO. (Flow), Schenectady, N. Y.
See adv index at end of book
Precision Scientific Co., 320-322 S Tripp av, Chicago, Ill.
Western Electro Mechanical Co. (Multiple Range A. C.), 465H 2d, Oakland, Cal.
Wissler A., B'way & Washington av, St. Louis, Mo.

9707a—*Meters (Air Speed, for Aeroplanes)

FOXBORO COMPANY THE ("Foxboro"), Foxboro, Mass.
See adv index at end of book

9708-9—Meters (Ampere Hour)

Sangamon Electric Co. ("Sangamo" Direct Current), Springfield, Ill.

Meters (Auto)

See Meters, Speed Indicating

9710— Meters (Boiler)

Bailey Meter Co. ("Bailey" For Rate of Flow, Steam, Air & Flue Gas Temperature), E 46th at Euclid, Cleveland, O.
Blanck W. A. & Co. (Efficiency), 155 N Clark, Chicago, Ill.
Esterline-Angus Co. (Concentration), Speedway City, Indianapolis, Ind.

9710a-b— Meters (Brine)

Builders Iron Foundry ("Venturi"), 9 Codding, Providence, R. I.
Phila. Meter Co., Real Estate Trust bldg, Phila., Pa.

9710c—Meters (By-Product Coke Oven Gas)

Bailey Meter Co. ("Bailey"), 2017 East 46th, Cleveland, O., & 139 Milk, Boston, Mass.
Builders Iron Foundry ("Venture"), Providence, R. I.
Cutler-Hammer Mfg. Co., Milwaukee, Wis.
See adv index at end of book

9710d—Meters (Chemical Solutions)

Builders Iron Foundry ("Venturi"), 9 Codding, Providence, R. I.

9711— Meters (Coal)

C. J. Mfg. Co. (For Stokers, etc), 3425 N 5th, Phila., Pa.
REPUBLIC FLOW METERS CO., 2200 Diversey pky, Chicago, Ill.

9712-3— Meters (Current)

See also Meters, Flow

Buff & Buff Mfg. Co., Jamaica Plain, Mass.
Gurley W. & L. E. ("Price," For Steam Gaging), Troy, N. Y.
Sangamo Electric Co. (Car, Street Railway & Motor Current), Springfield, Ill.
Simple Valve & Meter Co., 110 N Broad, Phila., Pa.
Western Electro Mechanical Co. ("Knopp" Load Tester), 465 2d, Oakland, Cal.

9714— Meters (Disc)

BUFFALO METER CO. ("American" & "Niagara"), 2921 Main, Buffalo, N. Y.
See adv index at end of book
Worthington Pump & Machy. Corp., 115 B'way, New York

9715-6—Meters (Distance Recording)

Du Vivier Ernest H. (Imp), 30 Church, New York
Elec. Tachometer Corp. ("Tetco" Electric Odometers, Speedometers, etc.), 310 North 11th, Phila., Pa.
Queen-Gray Co., 64-70H, W Johnson, Phila., Pa.
Sangamo Elec. Co., 1301 N 11th, Springfield, Ill.
Sibley Pitman Electrical Corp. ("Abell"), 190 6th av, New York
Standard Thermometer Co., 65 Shirley, Boston, Mass.
Stewart-Warner Speedometer Corp., 1326 Diversey Parkway, Chicago, Ill.
Veeder Mfg. Co. ("Veeder" Cyclometers, Hub Odometers), Hartford, Conn.

Meters (Electric)

See Wattmeters; also Ammeters & Voltmeters

9717—Meters (Feed Water)

American Liquid Meter Co. ("Bassler"), Chamber of Commerce bldg, Portland, Ore.
Bailey Meter Co. ("Bailey"), E 46th at Euclid, Cleveland, O.
Builders Iron Foundry ("Venturi"), 9 Codding, Providence, R. I.
Central Station Steam Co., 710 Woodbridge av, Detroit, Mich.
Hoppes Mfg. Co., Springfield, Ohio
Simplex Valve & Meter Co., 110 N Broad Phila., Pa.
Yarnall-Waring Co., Chestnut Hill., Phila., Pa.

9718— Meters (Flow)

Acme Pump & Tank Co., 19 W 44th, New York
American Liquid Meter Co. ("Bassler"), Chamber of Com. bldg, Portland, Ore.
Bailey Meter Co. ("Bailey"), 2017 E 46th, Cleveland, Ohio, & 139 Milk, Boston, Mass.
FOXBORO COMPANY, THE ("Foxboro," Steam, Water & Gas), Foxboro, Mass.
See adv index at end of book
GENERAL ELECTRIC CO. (For Air, Steam Water, Gas & Oil), Schenectady, N. Y. ***See adv index at end of book***
Leupold Voelpel & Co. ("Stevens"), 107 E 70th N, Portland, Ore.
See adv index at end of book
REPUBLIC FLOW METERS CO. (Steam), 2200 Diversey pky, Chicago, Ill.
Spray Engineering Co. ("Vaughan" Sight Indicating), 62 High, Boston, Mass.
See adv index at end of book

9719— Meters (Frequency)

Biddle James G. ("Frahm"), 1211 Arch, Phila., Pa.
BRISTOL CO. ("Bristol" Recording), Waterbury, Conn.
See adv index at end of book
Esterline-Angus Co. (Graphic), Speedway City, Indianapolis, Ind.
Holtzer-Cabot Electric Co., 125 Armory, Boston, Mass.
Kilbourne & Clark Mfg. Co., 101 Spokane, Seattle, Wash.
Lombard Governor Co. (Precision), Ashland, Mass.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book
Weston Electrical Instrument Co., Waverly Park, Newark, N. J.

9720— Meters (Fuel Gas)

American Meter Co., 17th & Clearfield, Phila., Pa.
Bachrach Industrial Instrument Co., Dept. H, Murtland & Bennett, Pittsburgh, Pa.
Builders Iron Foundry ("Venturi"), 9 Codding, Providence, R. I.
Equitable Meter Co. ("Emco"), 424H 1st av, Pittsburgh, Pa.
Pittsburgh Meter Co., East Pittsburgh, Pa.
Uehling Instrument Co., 71 B'way, New York

9721— Meters (Gas)

American Meter Co. (Wet & Dry), 17th & Clearfield, Phila., Pa.
Bachrach Industrial Instrument Co., H, Murtland & Bennett, Pittsburgh, Pa.
Bailey Meter Co. ("Bailey"), E 46th at Euclid, Cleveland, O.
Builders Iron Foundry ("Venturi"), 9 Codding, Providence, R. I.
Cleveland Gas Meter Co. (Also Cast Iron for Natural Gas), 2180 E 65th, Cleveland O.
Continental Supply Co., 1139 Olive, St. Louis, Mo.
CUTLER-HAMMER MFG. CO. (Electric, for Gas Plants), 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
Equitable Meter Co. ("Equitable," "Emco" Dry), 424 1st av, Pittsburgh, Pa.
Foxboro Co. The ("Foxboro" Orifice), Foxboro, Mass. *See adv index at end of book*
Gas Machinery Co. (Station), 1900 Euclid av., Cleveland, O.
GENERAL ELECTRIC CO. (Flow), Schenectady, N. Y.
See adv index at end of book
Griffin J. J. & Co., 1513 Race, Phila., Pa.
Helme & McIlhenny, 1339 Cherry, Phila., Pa.
INTERNATIONAL NICKEL COMPANY, THE, (Monel Metal), 67 Wall, New York. See insert under Monel Metal)
See adv index at end of book
Lambert Meter Co. (Monel Metal), Bush Terminal bldg, No. 4, Brooklyn, N. Y.
McDonald D. & Co., Albany, N. Y.
Phoenix Meter Co., Camden, N. J.
Pittsburgh Meter Co. ("Westinghouse" Gas & "Westinghouse" Proportional), East Pittsburgh, Pa.
Precision Scientific Co. ("Sargent"), 320-322 S Tripp av, Chicago, Ill.
REPUBLIC FLOW METERS CO., 2200 Diversey pky, Chicago, Ill.
Rotary Meter Co. (Rotary Meter), 52 Vanderbilt av, New York
Sprague Meter Co. (Cast Iron), Bridgeport, Conn.
Standard Meter & Mfg. Co. (Natural & Artificial Gas), 433 W 42d, New York
Superior Meter Co. (also Oxygen & Hydrogen & Anesthetic), 167 41st, Brooklyn, N. Y.
Tufts Nathaniel Meter Co., 455 Commercial, Boston, Mass.

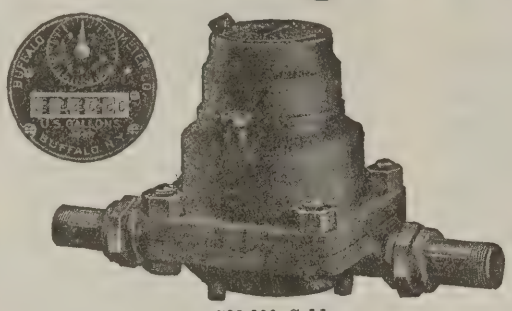
9722— Meters (Gasoline)

American Liquid Meter Co. ("Bassler"), Chamber of Com. bldg, Portland, Ore.
Bowser, S. F. & Co., Dept. H, Ft. Wayne, Ind.
BUFFALO METER CO. ("Niagara"), 2921 Main, Buffalo, N. Y.
See adv index at end of book
Great Western Meter Co., Powell & Beaudry, Oakland, Cal.
Phila. Meter Co., Real Estate Trust bldg, Phila., Pa.
Pittsburgh Meter Co. (Service Station), East Pittsburgh, Pa.

9723—Meters (Grade Indicating)

Adams Co. ("Gradometers"), Dubuque, Ia.
California Grademeter Co. ("California Standard"), Insurance Exchange bldg, San Francisco, Cal.
Wissler A., B'way & Wash av, St. Louis, Mo.

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9724— Meters (Hot Water)

Bailey Meter Co. ("Bailey"), E 46th at Euclid, Cleveland, O.
Buffalo Meter Co. ("Niagara"), 2921 Main, Buffalo, N. Y.
See adv index at end of book
Pittsburgh Meter Co., East Pittsburgh, Pa.
SIMPLEX VALVE & METER CO. ("Simplex Venturi"), 110 N Broad, Phila., Pa.
Worthington Pump & Machy. Corp., 115 B'way, New York

9724a— Meters (Irrigation)

Great Western Meter Co., Powell & Beaudry, Oakland, Cal.
Leupold Voelpel & Co. ("Stevens"), 107 E 70th N, Portland, Ore.
See adv index at end of book
Randall Control & Hydrometric Corp., Central bldg, Los Angeles, Cal.
SPARLING R. W. ("Sterling"), 945 N Main, Los Angeles, Cal.

9725—Meters (Lumber Measuring)

Adde & Co., 59 Kennebec, Portland, Me.
Tally-Meter Co. ("Tally-Meter"), Norwich, Conn.

9726— *Meters (Natural Gas)

Bailey Meter Co. ("Bailey"), E 46th at Euclid, Cleveland, O.
Pittsburgh Meter Co., East Pittsburgh, Pa.

9727— Meters (Oil)

American Liquid Meter Co. ("Bassler"), Chamber of Com. bldg, Portland, Ore.
Badger Meter Mfg. Co. (Monel Metal Fittings), Milwaukee, Wis.
Bailey Meter Co. (Monel Metal Fittings), Cleveland, O.
BUFFALO METER CO. (Niagara"), 2921 Main, Buffalo, N. Y.
See adv index at end of book
Builders Iron Foundry ("Venturi"), 9 Codding, Providence, R. I.
Bowser S. F. & Co., Dept. H, Ft. Wayne, Ind.
Cochrane Corp., H. S. B. W. (Monel Metal Fittings), Philadelphia, Pa.
Equitable Meter Co. (Monel Metal Fittings), Pittsburgh, Pa.
GENERAL ELECTRIC CO. (Flow), Schenectady, N. Y.
See adv index at end of book
Great Western Meter Co., Powell & Beaudry, Oakland, Cal.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Hyperbo-Electric Flow Meter Co. (Monel Metal Fittings), 207 S Green, Chicago, Ill.
Milwaukee Tank Works, Fratney & Becker, Milwaukee, Wis.
National Meter Co. (Monel Meter Fittings), 1st av, Brooklyn, N. Y.
National Supply Co. (Fuel Oil), 412 Orleans, Chicago, Ill.
Neptune Meter Co. (Monel Metal Fittings), Crane, Long Island City, N. Y.
Pittsburgh Meter Co., East Pittsburgh, Pa.
Phila. Meter Co., Real Estate Trust bldg, Phila., Pa.
Republic Flow Meters Co. (Monel Metal Fittings), 565 Washington blvd, Chicago, Ill.
Simplex Valve & Meter Co. (Monel Metal Fittings), Philadelphia, Pa.
Union Water Meter Co. ("Ball & Fitts"), Worcester, Mass.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.
Worthington Pump & Machy. Corp., 115 Broadway, New York
Yarnall-Waring Co. (Monel Metal Fittings), Philadelphia, Pa.

9728— Meters (Photometer)

American Meter Co., 17th & Clearfield, Phila., Pa.
Superior Meter Co., 167 41st, Brooklyn, N. Y.

9729— Meters (Pitot Tube)

Am. Blower Co., 6004 Russell, Detroit, Mich.
SIMPLEX VALVE & METER CO. ("Simplex"), 110 N Broad, Phila., Pa.

9730— Meters (Pocket)

Sterling Mfg. Co. ("Sterling" Battery), 2845 Prospect av, Cleveland, Ohio

9730a— Meters (Positive)

Pittsburgh Meter Co., E Pittsburgh, Pa.

Meters (Prepayment Gas)

See Meters, Gas

9731—Meters (Proportional Gas)

Equitable Meter Co. ("Emco," "Wylie"), 424 1st av, Pittsburgh, Pa.
Maryland Meter Works, North & Saratoga, Baltimore, Md.
Pittsburgh Meter Co. ("Westinghouse"), East Pittsburgh, Pa.

9732—Meters (Recording Complaint)

Maryland Meter Works, North & Saratoga, Baltimore, Md.

9732a— *Meters (Rope)

Gant E. M. Mfg. Co. Inc. ("Gant"), Ethridge, Tenn.

9733— Meters (Sewage)

Builders Iron Foundry ("Venturi"), 9 Codding, Providence, R. I.
Leupold-Voelpel & Co. ("Stevens"), 107 E 70th N, Portland, Ore.
See adv index at end of book

9734—Meters (Speed Indicating)

See also Indicators, Speed

CHICAGO PNEUMATIC TOOL CO. ("Boyer"), 6 E 44th, New York
See adv index at end of book
Jones Speedometer ("Jones"), 590 Jackson
Du Vivier Ernest H. (Imp), 30 Church,
Elgin National Watch Co., Elgin, Ill.
Esterline-Angus Co, (Graphic), Speedway City, Indianapolis, Ind.
Stewart-Warner Speedometer Corp. ("Warner" Auto Meters), 1826 Diversey Parkway, Chicago, Ill.
Veeder Mfg. Co. ("Veeder Speed Counter," also "Tachometer"), Hartford, Conn.
Westinghouse Electric Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

9735— Meters (Station)

American Meter Co., 17th & Clearfield, Phila., Pa.
Builders Iron Foundry ("Venturi"), 9 Codding, Providence, R. I.
Equitable Meter Co. ("Emco"), 424H 1st av, Pittsburgh, Pa.
Helme & McIlhenny, 1339 Cherry, Phila., Pa.
McDonald D. & Co. ("Hinman" Drum), Albany, N. Y.
Phoenix Meter Co., Camden, N. J.
Rotary Meter Co. (Rotary Meter), 52 Vanderbilt av, New York
Southern Saw Works, East Point, Ga.
Tufts Nathaniel Meter Co. ("Hinman"), 455 Commercial, Boston, Mass.

9736— Meters (Steam)

American District Steam Co. ("Holly," "Rotometer," "St. John" Steam and "Simplex" Condensation), N Tonawanda, N. Y.
Bailey Meter Co. ("Bailey" Steam Plow), E 46th at Euclid, Cleveland, O.
Builders Iron Foundry ("Venturi"), 9 Codding, Providence, R. I.
Central Station Steam Co. ("Detroit"), 710 Woodbridge, Detroit, Mich.
Cochrane, H. S. B. W. Corp. (Monel Metal Parts), Philadelphia, Pa.
GENERAL ELECTRIC CO. (Flow), Schenectady, N. Y.
See adv index at end of book
Hyperbo-Electric Flow Meter Co. (Monel Metal Parts), 207 S Green, Chicago, Ill.
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal Parts), 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Moore Brothers Co. (Monel Metal Parts), Elizabethport, N. J.
Pearce W. H. & Co. ("Crescent" Condensation), 115 S Dearborn, Chicago, Ill.
REPUBLIC FLOW METERS CO., 2200 Diversey pky, Chicago, Ill.
Sargent Steam Meter Co. ("Sargent"), 320 So Tripp, Chicago, Ill.

9737— Meters (Test)

American Meter Co., 17th & Clearfield, Phila., Pa.
BUFFALO METER CO. (For Testing Water Meters), 2921 Main, Buffalo, N. Y. *See adv index at end of book*
Equitable Meter Co. ("Emco"), 424H 1st av, Pittsburgh, Pa.
Esterline-Angus Co. (Graphic), Speedway City, Indianapolis, Ind.
GENERAL ELECTRIC CO. (Flow), Schenectady, N. Y.
See adv index at end of book
Phoenix Meter Co., Camden, N. J.
Reliance Instrument Co., 1135 W Van Buren, Chicago, Ill.
Western Electro Mechanical Co., 465 2d, Oakland, Cal.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

9738—Meters (Testing, Water Meter)

BUFFALO METER CO. ("American"), 2921 Main, Buffalo, N. Y.
See adv index at end of book

9738a— Meters (Torsion)

Cummings Ship Instrument Works ("Gary-Cummings"), 255 Atlantic av, Boston, Mass.
McNab Co. ("Hopkinson Thring"), Bridgeport, Conn.

9739—Meters (Turbine Water)

Worthington Pump & Machy. Corp., 115 B'way, New York

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Address and Local Distributors Section—

Beginning on page 7, gives the names and addresses of manufacturing and other concerns, with branch offices and local distributors of many advertisers.

Index to Classifications of Products—

Beginning on page 351, shows all items of Material, Supplies, Equipment, Machines, etc., indexed and cross indexed in the terms that come first to your mind. Thus "Dredging Buckets" are shown as "Buckets, Dredging," and as "Dredging Buckets." It is preferable, however, always to look for the NOUN.

Classified Products Section—

Beginning on page 501, lists under the name of the product the names of the manufacturers of this product. That those shown in black-faced type are especially equipped to quote is evidenced by their readiness to spend money to secure your inquiries—it will pay you to write them.

All Products are listed alphabetically according to the noun, excepting in the case of "Machinery" and "Textile Machinery," which for your convenience are brought together into two main groups, the former embracing classifications 7671 to 9499 and the latter embracing classifications 14993 to 15489; here the various kinds of machines and machinery are subclassified, each with its own classification number.

Sometimes a general classification, such as "Lumber," appears. Subclassifications appear immediately following the general list, however.

Various trades are listed, also, such as Architects and Contractors. In the larger lists the arrangement is geographical, for your more ready convenience. In the smaller lists the arrangement is alphabetical as to firm names.

Classification numbers, corresponding with the numbers in the Index to Classifications of Products, are shown above the outer column of each page.

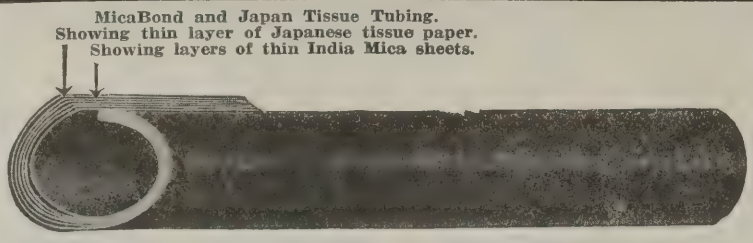
If you refer directly to the Classified Products Section, look for the NOUN, thus, "Wardrobes, Office," not "Office Wardrobes."

Tradename Section—

Beginning on page 2301, carries the trade-names of all articles in industrial use put out within the past twenty-five years. We have thousands of additional trade-names on file, however. If you know a trade-name but not the name of the manufacturer, use the Trade-name Section.

And Remember—

We have a Complete Service Department ready to give you any further information or assistance you may desire.



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Los Angeles, 310 E. 4th St.
Minneapolis, 917 A Marquette Ave.
New York, 305 Broadway.
Philadelphia, 927 Sansom St.
Pittsburgh, Oliver Bldg.
Rochester, N. Y., 730 Powers Bldg.
St. Louis, 601 Federal Reserve Bk. Bldg.
San Francisco, 171 Second St.
Salt Lake City, Dooly Bldg.
Seattle, Hinckley Bldg.
Toronto, 220 King St., W.

186 Campbell Street,
Valparaiso, Indiana

9739a— *Meters (V Notch)

Hoppes Mfg. Co., 19 Larch, Springfield, O.

9739b—Meters (Venturi Type)

Builders Iron Foundry ("Globe Special"), 9 Coddington, Providence, R. I.
Simplex Valve & Meter Co., 110 N Broad, Phila., Pa.

9740— Meters (Water)

Alberger Pump & Condenser Co. ("Hammond"), 140 Cedar, New York
Badger Meter Mfg. Co. (Disc), 841 30th, Milwaukee, Wis.
Bailey Meter Co. ("Bailey"), E 46th at Euclid, Cleveland, O.
BUFFALO METER CO. ("Buffalo," "Niagara," "American"), **2921 Main, Buffalo, N. Y.** *See adv index at end of book*
Builders Iron Foundry (Venturi for Hot & Cold Water, Brine, Chemical Solutions, Oil, Gas, Air & Steam), 9 Codding, Providence, R. I.
Cochrane Corp., H. S. B. W. (Monel Metal Fittings), Philadelphia, Pa.
Desper H. A., 40 Shelby, Worcester, Mass.
Equitable Meter Co. (Monel Metal Fittings), Pittsburgh, Pa.
Gamon Meter Co. ("Watch Dog"), Newark, N. J.
GENERAL ELECTRIC CO. (Flow), Schenectady, N. Y.
See adv index at end of book
Great Western Meter Co. ("Lyman" Acre-Foot Meter), Powell & Beaudry, Oakland, Cal.
Hoppes Mfg. Co., 19 Larch, Springfield, O.
Hydrometic Co., 953 N Main, Los Angeles, Cal.
Hyperbo-Electric Flow Meter Co. (Monel Metal Fittings), 207 S Green, Chicago, Ill.
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal Fittings), 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
National Meter Co. (Monel Metal Fittings), 1st av, Brooklyn, N. Y.
Neptune Meter Co. ("Trident"), 50 E 42d, New York
Phila. Meter Co., Real Estate Trust bldg, Phila., Pa.
Pittsburgh Meter Co. ("Eureka" & "Keystone"), East Pittsburgh, Pa.
Randall Control & Hydrometric Corp. ("Reliance" Irrigation), 533 Central bldg, Los Angeles, Cal.
REPUBLIC FLOW METERS CO., 2200 Diversey pky, Chicago, Ill.
SIMPLEX VALVE & METER CO. ("Simplex Venturi," "Pitot Tube," V Notch & Rectangular Weirs), **110 N Broad, Phila., Pa.**

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Philadelphia, Pa.

Sparling R. W. ("Sentinel"), **945 N Main, Los Angeles, Cal.**
Standard Meter & Mfg. Co., **433 W 42nd, New York**
Thomson Meter Co. ("Lambert"), **110 Bridge, Brooklyn, N. Y.**
Union Water Meter Co. ("King," "Union," "Columbia," "Nilo," "Nilo-Compound" "Union Compounding Valve"), **Worcester, Mass.**
Water Works Supply Co., Wright & Callender bldg, Los Angeles, Cal.
Worthington Pump & Machy. Corp., 115 B'way, New York
Yarnall-Waring Co. (Monel Metal Fittings), Philadelphia, Pa.

9741— Meters (Water-Cart)

Neptune Meter Co. ("Trident-Crest"), 50 E 42d, New York

Meters (Water Flow)

See Recorders, Water Flow

9742— Meters (Watthour)

Duncan Elec. Mfg. Co. ("Duncan"), Lafayette, Ind.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Sangamon Electric Co. (Integrating, Direct & Alternating Current, also Ampere Hour Meters), Springfield, Ill.
Westinghouse Electric & Mfg. Co. (Prepayment Recording), E Pittsburgh Pa. *See adv index at end of book*

9742a— Methyl Salicylate

Dow Chemical Co., Midland, Mich.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Heyden Chemical Works, 135 William, New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park pl, New York

9742a-1—Methyl Ethyl Ketones

DU PONT E. I. DE NEMOURS & CO. INC. (Special Products, Sec.), Wilmington, Del.
See adv index at end of book
Semet-Solvay Co., H. Milton av, Syracuse, N. Y.

9742b— Methyl Violet

American Aniline Products, Inc., 80 5th av, New York
Ciba Co. Inc., 134 Cedar, New York
Dicks David Co., Inc., Varick & No Moore, New York
Fergusson Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
National Aniline & Chemical Co., Inc., 40 Rector, New York

9742c— Methylene Blue

Ciba Co. Inc., 134 Cedar, New York
Collinsville Chemical Co., Collinsville, Ill.
Dicks David Co., Inc., Varick & No Moore, New York
Fergusson Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Holland Aniline Co., Holland, Mich.
Mallinckrodt Chemical Works., 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Marden, Orth & Hastings Co., 136 Liberty, New York
Metz H. A. & Co. Inc., 122 Hudson, New York
National Aniline & Chemical Co., Inc., 40 Rector, New York
National Gum & Mica Co., **59th & 11th av, New York**
Penchot A. (Importer), **469 W 35th, New York**

9743— Metric Packing

Metric Packing Co., Inc., **244 Kensington av, Buffalo, N. Y.**
See adv index at end of book

9744— Metronomes

Emerson Apparatus Co. (Baton), 171 Tremont, Melrose, Mass.
Thomas Seth Clock Co., Thomaston, Conn.

9744a— *Mica

CHICAGO MICA CO., Campbell, Valparaiso, Ind. *See adv index at end of book*

9745—Mica (Ground & Pulp)

See also Mica, Manufactured

American Mica Co., 52 B'way, New York
American Mica Products Co., 1015 N Halsted, Chicago, Ill.
Asheville Mica Co., Asheville, N. C.
Black Edw., Newdale, N. C.
CHICAGO MICA CO. (Ground, For Annealing & Lubricating Purposes), Campbell, Valparaiso, Ind.
See adv index at end of book
Dielectric Mfg. Co. (Compressed Sheet Mica), 224 Vanderbilt av, St. Louis, Mo.
English Mica Co., Insurance bldg, Williamsport, Pa.
Fergusson Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Fillian S. O. Inc., 68 Murray, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
McMeekan D. Mfg. Co. (Ground Mica & Mica Pulp), 1070 Pacific, Brooklyn, N. Y.
Macallen Co. (Compressed) (Macallen & Foundry), 16 Macallen, Boston, Mass.
Mica Products Co., 32 No Dearborn, Chicago, Ill.
Mikesell Bros. Co., Wabash, Ind.
See adv index at end of book
National Gum & Mica Co., 59th & 11th av, New York
New England Mica Co., Waltham, Mass.
New York
New York Mica & Mfg. Co., 33 Market, Auburn, N. Y.
Preston Co., Robt. K., 53 W Jackson, Chicago, Ill.
Richmond Mica Co., Richmond, Va.
Southern Coupon Co., Birmingham, Ala.
Storrs Mica Co., Owego, N. Y.
Tar Heel Co., Plumtree, N. C.
U. S. Mica Mfg. Co., 1531 Circle av, Forest Park, Ill.
United States Mica Mfg. Co., 14 E Jackson blvd, Chicago, Ill.
Vance D. T. (Ground), Plumtree, N. C.
Whittaker Clark & Daniels Inc. (Jobbers), 250 Front, New York

Mica Insulators

See Insulators

9746— Mica (Manufactured)

See also Mica, Ground & Pulp

American Mica Co. (Stove & Electrical), Newton Lower Falls, Mass.
American Mica Products Co. (Sheets & Stove Sets), 1015 N Halsted, Chicago, Ill.
American Trading Co., 25 Broad, New
New York Mica Products Co., 68 Murray, York
Asheville Mica Co. (Products), Asheville, N. C.

Binswanger H. P. (Sheet), 7 W 16th, New York
Burleson J. E. Mica Co., Spruce Pine, N. C.
Carolina Mineral Co. (Raw, Stove & Cut & Punched Mica), Penland, N. C.
CHICAGO MICA CO. (Moulding & Commutator Segment "V" Rings, Tubes, Troughs, & Special Moulded Pieces, Mica Flexible Cloth, Also Paper), Campbell, Valparaiso, Ind.
See adv index at end of book
Meirowsky Bros. ("Micadamite"), Tempered Mica), Jersey City, N. J.
Mica Insulator Co. ("Micanite"), 68 Church, New York
Mica Mfg. Co. (India, Amber & Domestic), 135 Johnson, Bklyn, N. Y.
Mikesell Bros. Co. (Washers, Plates, Sheets, Stove, etc.), Wabash, Ind.
See adv index at end of book
Mitchell-Rand Mfg. Co. (Cement, Cut & Uncut), 26 Veseey, New York
Munsell Eugene & Co., 68 Church, New York
New England Mica Co., Waltham, Mass.
North Carolina Mica Co., 80 North, Boston, Mass.
Richmond Mica Co., Richmond, Va.
U. S. Mica Mfg. Co. ("U. S." Annealing, Decorating, Concrete & Cement Facing), 1521 Circle av, Forest Park, Ill.
United States Mica Mfg. Co., 14 E Jackson blvd, Chicago, Ill.
Warner C. T., 906 S Bishop, Chicago, Ill.
Watson Bros., 170 Purchase, Boston, Mass.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

9747— Mica (Raw)

American Mica Products Co., 1015 N Halsted, Chicago, Ill.
Asheville Mica Co., Asheville, N. C.
Binswanger H. P. (Who. Dlr. & Sheet), 7 W 16th, New York
Burleson J. E. Mica Co., Spruce Pine, N. C.
CHICAGO MICA CO. (Cut & Uncut Sheet), Campbell, Valparaiso, Ind.
See adv index at end of book
Diamond Drill Carbon Co. (Rough, Brazilian), 59 Park Row, New York
Doggett Stanley (Dealers & Imp.), 11 Cliff, New York
Fillion S. O. (Cut & Uncut, Stove, Electrical), 68 Murray, New York
Marsily F. A. & Co. (Imp.), 25 Beaver, New York
Meirowsky Bros., Jersey City, N. J.
Mikesell Bros. Co., Wabash, Ind.
See adv index at end of book
Munsell Eugene & Co., 68 Church, New York
New England Mica Co., Waltham, Mass.
North Carolina Mica Co., 80 North, Boston, Mass.
Preston Robt. K. Co., 53 W Jackson, Chicago, Ill.
Richmond Mica Co., Richmond, Va.
Storrs Mica Co., Oswego, N. Y.
Tar Heel Mica Co., Plumtree, N. C.
Vance D. T., Plumtree, N. C.
Watson Bros., 170 Purchase, Boston, Mass.

9748— *"Micarta"

Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

9749— Micrometers

See also Gauges, Micrometer

Almond T. R. Mfg. Co. ("Almond"), Ashburnham, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I
Davis Mfg. Co., Milwaukee, Wis.
Delta Mfg. Co. (Paper), 858 3rd, Milwaukee, Wis.
Glogau & Co., Great Lakes bldg, Chicago, Ill.
Goodell-Pratt Co., Greenfield, Mass.
Lufkin Rule Co., Saginaw, Mich.
PRATT & WHITNEY CO. ("Super"), Hartford, Conn.
See adv index at end of book
Reed Small Tool Works, Worcester, Mass.
Sawyer Tool Mfg. Co., Ashburnham, Mass.
Slocomb J. T. Co., 29 Oxford, Providence, R. I.
Starrett L. S. Co. (Outside, Inside & Metric), Athol, Mass.
Syracuse Twist Drill Co., 936H Grape, Syracuse, N. Y.

Microphones

See Audiphones

9750— Microscopes

Bausch & Lomb Optical Co., Rochester, N. Y.
Brawn-Knecht-Heimann Co. (& Accessories), 576-584 Mission, San Francisco, Cal.
Eimer & Amend ("B. & L."), 205 3d av, New York
Framerican Industrial Development Corp. (Imptrs.), 21 E 40th, New York
Gundlach-Manhattan Optical Co., Rochester, N. Y.
Holz, Herman A., 16 Madison av, New York
Leitz Ernest (Metallurgical & Biological,
Queen-Gray Co., 64-70H W Johnson, Phila., Pa.
Sargent E. H. & Co., 155 E Superior, Chicago, Ill.
Sauveur & Boylston ("Sauveur" Metallurgical), Cambridge, Mass.
Scientific Materials Co., 717 Forbes, Pittsburgh, Pa.
Spencer Lens Co., Buffalo, N. Y.
Sussfeld, Lorsch & Co. (Imp.), 90 Malden Lane, New York
Thomas A. H. Co. (Dealers), W Washington sq., Phila., Pa.

9751-2-3— Microtomes

Bausch & Lomb Optical Co., Rochester, N. Y.
Eimer & Amend, 205 3d av, New York
Holz, Herman A., 16 Madison av, New York
Leitz Ernest (Imp.), 30 E 18th, New York
Spencer Lens Co., Buffalo, N. Y.

9754— Mill Boards

Ajax Metal Co. ("Ajax"), 46 Richmond, Phila., Pa.
Bond Foundry & Machine Co., Manheim, (Imp.), 30 E 18th, New York Pa.
Damascus Bronze Co. ("Damascus"), N. S. Pittsburgh, Pa.

9754a— Mill Boards Mfrs.

Union Paper & Twine Co., 125 St. Clair av, N W, Cleveland, O., & 538 Brisbane bldg., Buffalo, N. Y.
See adv index at end of book

9754b—Mill Remnants, Ends & Misprint Cloth

BAYLIS SANITARY SUPPLY CO., 340 W Superior, Chicago, Ill.
See adv index at end of book

Mill Stones

See Millstones

9755—Mill & Factory Supplies

Firms indicated by a Star (*) Manufacture Belting also
For Manufacturers of Mill & Factory Supplies, Consult Index of Contents for Specific Article Required

ALABAMA.

ANDALUSIA—Benson Hardware Co.
ANNISTON—Anniston Hardware Co.
BESSEMER—Long-Lewis Hardware Co.
BIRMINGHAM—Crane Co. (Mine Supplies), 2 S 20th
See adv index at end of book
Joubert & Goslin Machine & Foundry Co., 800 N 35th
McClary-Jemison Machinery Co.
Moore Handley Hardware Co.
Young & Vann Supply Co. (Also Mine)
BREWTON—Luttrell Hardware Co.
DOTHAM—Dotham Foundry & Machine Co.
GREENVILLE—Johnson Hardware & Implement Co.
MOBILE—Brown & Creary Supply Co., 8H St. Francis
Cunningham Hardware Co.
McGowin Lyons Hardware & Supply Co.
Reliance Equipment Co.
Standard Equipment Co.
Turner Supply Co. (also Railway)
MONTGOMERY—Alabama Machinery & Supply Co.
Barnett G. W., Hardware Co.
Janney & Co.
Lum Machinery & Supply Co.
Teague Hdwe. Co., Commerce
Tullis-Gamble Hardware Co.
OPELIKA—Phillips-Yarbrough Hdwre. Co.
SELMA—Bloch Bros.
Tissier Hardware Co.
Union Iron Works Co.
TALLADEGA—Michael Supply & Roofing Co.
TUSCALOOSA—Allen & Jemison Co.

ARIZONA.

NOGALES—Roy & Titcomb (Also Mine)
Mulrein J. H. Plumbing Supply Co.
Pratt-Gilbert Co.
PHOENIX—Arizona Iron Works
Mulrein J. H. Plumbing Supply Co.
Pratt-Gilbert Co.
Talbot & Hubbard, Inc.
Thayer Ezra W. (Also Mine)
PRESCOTT—Arizona Mine Supply Co. (& Mine)
TUCSON—Steinfeld Albert & Co. (Mine)

ARKANSAS.

FORT SMITH—Atkinson-Williams Hardware Co.
Ketcham Iron Co.
Meister Bros. Bracht Co.
Speer Hardware Co.
HELENA—Crum Lewis Co.
Lewis Mill Supply Co., Dept. H.
Tappan Hardware Co.
HOPE—Hope Hardware Co.
HOT SPRINGS—Hot Springs Plumbing & Machine Co.
JONESBORO—Jeter Hardware Co.
LITTLE ROCK—Central Supply Co.
Cox Thomas & Sons Machinery Co.
Crane Co., 515 E 2nd
See adv index at end of book
Fones Bros. Hardware Co.
Hollis & Co.
Kidd-Bossinger Hardware Co.
Rosenbaum C. E. Machinery Co.
Schaad Ben D. Machinery Co.
NEWPORT—Newport Foundry & Machine Co.
PINE BLUFF—Arkansas Mill Supply Co.
Fox Bros. Hardware Co.
Pine Bluff Iron Works
STUTTGART—National Sales Co.

CALIFORNIA.

BAKERSFIELD—California Nat'l Supply Co.
Fairbanks, Morse & Co.
Herron R. H. Co.
Pioneer Mercantile Co.
COALINGA—Baker Casing Shoe Co. (& Oil Wells)
California National Supply Co.
Lucey Mfg. Corp. (Oil Wells Supplies)
FRESNO—Barrett-Hicks Co.
Inland Iron Co.
Valley Fdry. & Mch. Co.
GRASS VALLEY—Alpha Hdw. & Supply Co
Grass Valley Hardware Co. (Also Mine)
LONG BEACH — American Wholesale Hardware Co., 1500 W Anaheim
LOS ANGELES—American Well & Prospecting Co., 407 E 3rd
Bennett & Robb Co. Inc. (Belting Jobbers & Mechanical Rubber Goods), 119H E 3d
Berger & Carter Co.
Bodinson Mfg. Co., 335 S San Pedro
Busch A. H. Co., 150 N Los Angeles
California Equipment & Supply Co., 205 N Los Angeles
California Hardware Co., 500 E 1st
California National Supply Co. (Mine), 149 N Los Angeles
Christie Frey Co., 417 E 3rd
Crane Co., 321 E 3rd
See adv index at end of book
De Long-Almquist Co., 502 E 3rd
Ducommun Hardware Co. (Also Mine), 219 S Central av
Eby Machinery Co., 453 E 3rd
Fairbanks, Morse & Co., 427 E 3rd
Forbes Bros. Co., 306 S Los Angeles
Haldeman Mel. O. Co. Inc., 1506 Santa Fe av
Harper & Reynolds Co., 152 N Main
Hartwell R. M. Co., 392 E 2d
Hatten T. B. Co. Inc., 1600 E Washington
Hendrie W. C. Co., 340 Crocker
Ketchum Bros. Inc., 1236 E 8th
Leland Bros. Co., 304 E 3rd
Llewellyn Iron Works, 1100 N Main
Los Angeles Heavy Hardware Co., 218 N Los Angeles
Los Angeles Rubber Co. (Mechanical Rubber Goods), 124 E 3rd
Meese & Gottfried Co., 400 E 3rd
Neilan Valve & Supply Co., 439 S San Pedro
Pacific Mill & Mine Supply Co. (Also Mine), 1122 Santa Fe av
Pacific Pipe & Supply Co., 1002 Santa Fe
Republic Supply Co., 2122 E 7th
Shaw Palmer Bakewell Co., 409-11 E 3rd
Smith-Booth-Usher Co. (Also Mine), 228 S Central
Smith E. M. Co., 612-40 S Clarence
Theriot Fred J., 5124-6 Moneta av
U. S. Rubber Co. of Cal., 923 S Los Angeles *See adv index at end of book*
Union Hardware & Metal Co., 411 E 1st
Warren & Bailey Co. (Belting, etc.), 214 E 3rd
Webster-Brinkley Co., 303 E 3d
Whiting-Mead Pottery Co., 415 E 9th
Wigmore Jno. & Sons Co., 401 E 4th
Willard John F., 306 E 4th
MARICOPA—Herron R. H. Co.
NEVADA CITY—Alpha Hdwe & Supply Co.
Miners' Fdry. & Supply Co.
Nevada City Hardware Co.
OAKLAND—American Machine Works, 518 4th
Crane Co.
See adv index at end of book
United Iron Works
Western Heavy Hardware & Iron Co.
REDDING—McCormick-Saeltzer Co.
RIVERSIDE—Stebler Parker Co., Inc., 171 9th
SACRAMENTO—Crane Co., 1227 Front,
See adv index at end of book
Hazard-Gould Co.
Sacramento Rubber Co., 719 J
SAN DIEGO—Machy. Pipe Supply Co., 200 9th
Mayer Sidney E. Co.
Western Metal Supply Co.
SAN FRANCISCO—Atkins E. C. & Co., 357 Mission
Bliss & Lyon, Rialto bldg

(Continued on following page)

Mill & Factory Supplies—Continued

CALIFORNIA—SAN FRANCISCO—Cont.

BODINSON MFG. CO., 11 Minna
Bullion Alfred H. Co., 660 Howard
Bunting Iron Wks., H 1st National Bank bldg.
*California Belting Co., 1459 Mission
California National Supply Co., Balboa bldg
California Saw Works, 721 Brannan
California Steam & Plumbing Supply Co., 671 5th
Carroll W. A. Co. (Emery Wheels Only)
Coast Supply Co., 590H Howard
*Cook H. N. Belting Co., 401 N Howard
Continental Steel & Supply Co., 529 Howard
Crandley Rubber & Supply Co., 315 Market
*Degen L. P. Belting Co., 258 Mission
Dibert L. C. Co., 35H Minna
Dick R. & J. Co., Inc., 58 Minna
Duebel Chas. & Co., 316 1st
Dunham, Carrigan & Hayden Co. (Also Mine), Kansas & Division
Eby Mchy. Co., 35 Main
Eichelberger Kirk W., Rialto bldg
Engineering Products Co., Rialto bldg
See adv index at end of book
Faget Engng. Co., 410 Beach
Fairbanks Morse & Co., Spear & Harrison
Foard-Barstow Ship Chandlery Co., 25 Drumm
Ford & Geirrine, 369 Pine
Garlock Packing Co., 671 Mission
General Equipment Co., 25 Minna
General Machinery & Supply Co., 89 Stevenson
Graton & Knight Mfg. Co., 247 Mission
See adv index at end of book
Great Western Supply Co., 948 Folsom
Harron, Rickard & McCone Co., 139 Townsend
Hendy Joshua Iron Works, 75 Fremont
Horsford Bros. Co., 235 Mission
Lyon H. F., 24 California
Marshall-Newell Supply, Spear & Mission
Martin J. C. & Co., Balboa bldg
Marwedel C. W., 76 1st
Mine & Smelter Supply Co. (also Mine), Mills bldg
Mines Supply & Machinery Co., 589 Bryant
Oriental Supply Syndicate, 688H Howard
Pacific Abrasive Supply Co. (Abrasives), 318 Mission
Pacific Coast Rubber Co., 316 Mission
Pacific Coast Supply Co. (Paper Mill Supplies), 335 Sacramento
Pacific Mill & Mine Supply Co. (Also Mine), 616 Mission
Pacific Pump & Supply Co., 420 Bryant
Peninsula Iron & Steel Co., 770 Folsom
Pickthall Supply Co., 321 Fremont
Plant Rubber & Supply Co., 537 Brannan
Porter R. C., 1 Drumm
Republic Supply Co., 670 2nd
Republic Well Supply Co., 1st National Bank bldg
San Francisco Engineering Co., 323 6th
San Francisco Mill Furnishing Co., 521 7th
Scovel Iron Store Co., 754 Howard
Simonds Mchy. Co., 117 New Montgomery
Simonds Saw & Steel Co., 12 Natoma
Sloss & Brittain (also Mine), N W cor 10th & Howard
Smith-Booth-Usher Co., 50 Fremont
Stallman F. O. Supply Co., 173 First
Tay Geo. H. Co., 165 8th
Trask Geo. H., 39 Natoma
United Commercial Co., 234 Steuart
U. S. Flexible Metallic Hose Co., 65 Main
U. S. Rubber Co. of Cal., 2nd & Folsom *See adv index at end of book*
Wagner Jos. Mfg. Co., 165 Beale
Ward Fred & Son, 170 1st
Wilson J. R., Inc., 133 Stewart
Woodin & Little, 33 Fremont
Wordin W. H. Co. (Also Mine), 126 Pine

SAN JOSE—Berry Machy. & Supply Co., 289 W Santa Clara av
San Jose Hardware Co.

SAN PEDRO—Marine Hardware Co.

SANTA MARIA—Fairbanks Morse & Co.

STOCKTON—Austin Bros.
Holt Mfg. Co.

TAFT—California Nat'l Supply Co.
Fairbanks Morse & Co.
Heron R. H. Co.
Republic Well Supply Co.
Woods & Hausen

COLORADO.

BLACK HAWK—Clark Hardware Co. (Also Mine)
Stroehle Mchy. & Supply Co.

BOULDER—McAllister Lumber & Supply Co
Wilson Hardware Co.

CENTRAL CITY—Jenkins-McKay Hdwe Co.

CRIPPLE CREEK—Cripple Creek Mine & Supply Co. (Also Mine)

DENVER—Card C. S. Iron Works Co., 2501 W 16th
Colorado Rubber Co., 1515 Wazee
Denver Engineering Works
Dillon Box Iron Works Co.
Dillon Hardware Co., 1520 15th
Fairbanks Morse & Co., 1735 Wazee
Garlock Packing Co., 1540 Cleveland pl
Hamburger Geo. Tool & Supply Co. 1253 Pearl
Hendrie & Bolthoff Mfg. & Supply Co. (Also Mine)
Mine & Smelter Supply Co. (Also Mine)
Morse Bros. Machinery & Supply Co., 1732 Wazee
Mountain States Rubber Co., 1238 B'way
National Rubber Supply Co., 1508 Cleveland
O'Fallon M. J. Supply Co.
Stearns-Roger Mfg. Co.
Wensley Metal Products Co.
William A. Box Iron Works Co., 3309 Blake

GRAND JUNCTION—Biggs Kurtz Hardware Co. (Mine)

FLORENCE—Oil Well Supply Co.

OURAY—Ouray Hardware & Supply Co.

PUEBLO—Nelson N. O. Mfg. Co.

TRINIDAD—Branson & Griswold Hardware Co.
Crancer Hdwe. Co.

TELLURIDE—Tomkins-Cristy Hardware Co.

CONNECTICUT.

BRIDGEPORT—Alling Rubber Co., 58 Fairfield
American Hardware Stores Inc., Fairfield av & Middle
Chapman & Bangs Co., 353 Water
Gledhill & Co., 19 Union sq
Hawley Hardware Co.
Hunter & Havens, 239 Water
*Palmer N. & Co.
Richardson J. H., 236 Stratford

BRISTOL—Weldon S. A. & Son

DANBURY—Danbury Hardware Co.
Hull F. A. & Son

DANIELSON—General Supply Co.
Jacobs E. H. Mfg. Co. (Textile)

DERBY—Hallock F. Co.

HARTFORD—Alling Rubber Co.
Blodgett & Clapp Co., 1417 Main
Clapp & Treat, 68 State
Cone J. H. & W. E.
Eastern Plumbing Supply Co., 80 Market
Ensworth L. L. & Son, 344 Front
Hartford Contractors' Supply Co., 409 Front
Hartford Mill Supply Co., 133 Walnut
Page Ralph E.
Plimpton & Hills Corp., 6 Ann
Purcell Cox Corp., 70 Trumbell
Purcell J. L., Inc. (Jobbers)
Purinton & Smith
Trant Thomas & Bros.
Tracy Robinson & Williams Co.

MERIDEN—Church & Morse

MIDDLETOWN—Noxon & Whitney Co.

NEW BRITAIN—Abbe Hardware Co.
Mills Herbert L.
Rackliffe Bros. Co. Inc.
Rapelye George

NEW HAVEN—Bushnell N. T. Co., 289 State
Coe & Brown, 204 George
Foskett & Bishop Co.
Guest & Co.
Griswold Geo. Machine Co., Dept. H, Brdly & William
Mersick C. S. & Co.
Page Steele & Flagg Co. (Factory), 219-221 Water
Spencer F. E. Co., 294-296 State
Standard Machinery Co., 419 Chapel

NEW LONDON—Darrow & Comstock Co.
Eaton & Wilson Co.
Williams G M. Co.

NORTH WINDHAM—Harston L. M. Co.

NORWALK—Hubbell & Staples Hdwe. Co.
McLellan Wm. L.

NORWICH—Carroll L. W. & Son
Eaton-Chase Co.
Norwich Belt Mfg. Co.
Norwich Plumbing Supply House
Preston Bros.

PUTNAM—Chandler & Morse
Putnam Hdwe. & Mill Supply Co.

SEYMOUR—Church Stephen B.

SHELTON—Clark D. N.

SOUTH MANCHESTER — Blish F. T. Hdw. Co.

STAMFORD—Cohn Wm.
Plimpton Truck Co.
Southwick Geo. W. Co.
Taylor Lincoln
Wilson James & Co.

TORRINGTON—Morrison W. H.

WALLINGFORD — Dickerman Hdw. & Supply Co.

WATERBURY—Barlow Bros. Co.
Connecticut Oil Co.
Daly M. J. & Sons Co. Inc. (Dlrs.), 555H Bank
Hamilton Hardware Corp.
Hotchkiss Co.
Templeton Charles A., Inc.

WILLIMANTIC—Buck E. A. & Co., Dept. H.
Hurley Grant Co.

WINSTED—Carroll Jos. L.
Merwin & Brown Co.

DELAWARE.

WILMINGTON—Delaware Electric & Supply Co.
Delaware Hardware Co.
Hudson Supply Co., Front & Market
Kent Lindley C. Co.
Peoples Alfred D.
Speakman Supply & Pipe Co.
Wilson Hardware Co.

DISTRICT OF COLUMBIA.

WASHINGTON—Carroll Electric Co., 714 12th N W
Kendall J. B. Co., 435 Missouri av
Latterner Arthur, 602 Pennsylvania av N W
National Electrical Supply Co., 1330 New York av, N W
Schafer E. G. & Co., 218 13th N W
Somerville Thos Co., 316 13th N W
Washington Rubber Co., 1000 F N W

FLORIDA.

APALACHICOLA—Grady J. E. & Co.

GAINESVILLE—Baird Hardware Co.

JACKSONVILLE—Cameron & Barkley Co.
Christopher J. G. Co.
Fairbanks Morse & Co.
Farquhar Machinery Co.
Florida Hardware Co.
Georgia Supply Co.
Hebb H. W. Supply Co. (& Rubber Specialties), 140 E Bay
Hubbard S. B. Co.
Malsby Mchy. Co.
Savannah Supply Co.

KEY WEST—Peacon Richard & Co.

LAKELAND—Pinch Co.

MIAMI—Cameron & Barkley Co.

MULBERRY—Mine & Mill Supply Co.

OCALA—Marion Hardware Co. (also Mine)
Ocala Iron Works

PENSACOLA—Avery A. M.
Gulf Machine Works
Ray W. A. Hardware Co.

ST. AUGUSTINE—Hamblen C. F.

TAMPA—Cameron & Barkley Co.
Coates Plumbing Supply Co.
Florida Auto & Gas Engine Co.
Knight & Wall Co.
Tampa Hardware Co.
Tampa Machinery Exchange

GEORGIA.

ALBANY—Albany Mill Supply Co.

AMERICUS—Harris J. W.
Sheffield Co.

ATLANTA—Alexander J. M. & Co.
Armstrong R. S. & Bros. (Used), 676H Marietta
Atkins E. C. & Co.
Avery & Co.
Bailey Burruss Mfg. Co.
Beck & Gregg Hdw. Co.
*Cotton States Belting & Supply Co. (Railway, Mill & Mach'y Supplies)
Crane Co., 1 Collins
See adv index at end of book
Crumley-Sharp Hardware Co.
Davidson & Kennedy Co., 872 N Ashley
Fairbanks Morse & Co.
Fulton Supply Co., 70 Nelson
General Fire Extinguisher Co.
Graton & Knight Mfg. Co.
See adv index at end of book
Lowry Co.
Malsby Co.
Pasco Tool Co.
Pennsylvania Oil & Grease Co.
Phenix Supply Co.
Southern Belting Co. (Cotton Mill Only)
Southern Mchy. Co.
Tull J. M. Rubber & Supply Co., 152 Marietta
Walraven Co. The, 36-38 W Alabama

AUGUSTA—Lombard Iron Works & Supply Co.
Tennent H. C. Supply Co.

BRUNSWICK—United Supply Co.
Wright & Gowan Co.

CATERSVILLE—Lumpkin Hardware Co.

COLUMBUS—Beach Wm. Hardware Co.
Bush C. P. Hardware Co.
Columbus Iron Works Co. (Jobbers), 9th
Pekor Iron Wks.
Philips Hardware Co.

CORDELE—Tomlin-Harris Mch. Co.
Watt & Holmes Hdwe. Co.

DALTON—Hardwick W. M.

FITZGERALD—Watt & Holmes Hardware Co.

FORT VALLEY—Eberhardt Mch. Works
Georgia Agr'l Works

GAINESVILLE—Gainesville Iron Works

GRIFFIN—Georgia Supply House

MACON—Corbin Supply Co. & Tools, 464-466H B'way
Schofield's J. S. Sons Co., Hammond & Edgewood av
Taylor Iron Works & Supply Co.

ROME—Battey Machinery Co. (Also Mine)
Rome Machine & Fdry. Co.

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Jarecki Mfg. Co.
Oil Well Supply Co.
BUSHNELL—Bushnell Pump Co.
CAIRO—McCarthy & Malinski
Reed Hardware & Mfg. Co.
Vulcan Iron Wks.
CASEY—Illinois Nat'l Supply Co.
Jarecki Mfg. Co.
Oil Well Supply Co.
CHICAGO—A. & J. Mfg. Co., 559 West Lake
A. O. K. Equipment Co., 549 W Washington blvd.
Adams Fred C. Co., 130 N Wells
Adkins, Young & Allen Co., 561 Wash.
Advance Packing & Supply Co., 808 W Washington
*ALLEN W. D. MFG. CO., 201-211 N Jefferson
See adv index at end of book
Atkins E. C. & Co., 64 E So Water
Barrett-Christie Co., 37 S Clinton
Besley Chas. H. & Co., 120 N Clinton
Biddle Purchasing Co., 208 S La Salle
Boiler & Radiator Sales Co., 126 W Kinzie
Brand S. H. Co., 559 W Lake
Caldwell H. W. & Son Co., 17th & Western av
CARPENTER GEO. B. & CO., 434 N Wells
See adv index at end of book
Castle A. M. & Co., 1132 Blackhawk
Channon H & Co., 339 W Randolph
Chicago Builders' Specialties Co., 11 S La Salle
Chicago Engineer Supply Co., 68 W Lake
Chicago House Wrecking Co., 35th & Iron
Chicago Pulley & Shafting Co., 29 N Desplaines
*Chicago Rawhide Mfg. Co., 1301 Elston av
Chicago Rubber Co., 428 W Washington
Chicago Tube & Iron Co., 1469 S Jefferson
Clark J. H. Hdwe. Co., 137 W Lake
Clow Jas. B. & Sons, Franklin & Harrison
Collins Wm. P & Co., 2619 Mary
Cook & Chick Co., 18 E Kinzie
Cramer & Willing (Mine), 53 W Jackson Blvd
Crane Co., 836 S Michigan av
See adv index at end of book
Crawford Co., 3220 W. 31st
Crown Rheostat & Supply Co., 17 S Desplaines
Crerar, Adams & Co., 259 E Erie
Curtis & Co. Mfg Co., 215 N Desplaines
Dale-Brewster Mchy. Co., 21 Washington blvd
Davies Supply Co., 412 W Ontario
Ellis R. E. Engineering Co. (Tools), 621 Washington blvd
Engineers' Equipment Co., 1951 Lawrence
Essley E. L. Mchy. Co., 555 Washington blvd
FABREEKA BELTING CO. (Complete stocks carried to take care of Middle Western requirements), 170 N Franklin
See adv index at end of book
Factory Supply Co. (Also Mine), 40 E Kinzie
Fairbanks Morse & Co., 900 S Wabash av
Fensholt & Fechner, 16 S Clinton
Garlock Packing Co., 600 W Jackson
Gollner Phillip Co., W 33d & Archer av
*Graton & Knight Mfg. Co., 32 S Jefferson
See adv index at end of book
Guiliott Metal Gasket & Supply Co., 24 S Clinton
Gump B. F. Co., 431 S Clinton
*Gutta-Percha & Rubber Mfg. Co., 301 W Randolph
*Hamilton Rubber Mfg. Co., 1229 S Michigan
Hammacher-Schlemmer & Co., 323 Polk
Harris Bros. Co., 35th & Iron
Harris Samuel & Co., 114 N Clinton
*Henion & Hubbel, 219 N Jefferson
Hill Clark & Co., 625 Washington blvd
Hodge & Homer Co., 549 W Madison
Hyland R. H. Co. (& Railroad), 221 W Huron
Illinois Malleable Iron Co., 1801 Diversey Blvd
See adv index at end of book
Iron & Steel Products Corp., 621 E 25th
*Jewell Belting Co., 2837 S La Salle
Keckley O. C. Co., 318 Washington av.
Kelly & Jones Co. The, 2436 W 15th
See adv index at end of book
Kraft A. C., 323 W Lake
Kraut & Dohnal, 325 S Clark
*Ladew Edw. (Est. of), 19 N Jefferson
Lavelle Rubber Co., 413 N Franklin
Lovejoy Tool Works, 319 W Ohio
See adv index at end of book
*Lynch Edw. & Co., 31 S Clinton
McMaster-Carr Supply Co., 174 N Market
Machinery Warehouse, 1405 W 37th
Machinists Supply Co., 19 N Jefferson
*Main Belting Co., 15 N Jefferson
Manning, Maxwell & Moore, 27 N Jefferson
See adv index at end of book
Marshall & Huschart Mchy. Co., 17 S Jefferson
Moloney Belting Co. ("Dynamo"), 130 N Franklin
Moninger John C. Co., 900 Blackhawk
*Page Belting Co., 624 Wash'n blvd
Peterson Clifford Tool Co., 606 W Randolph
Power Equipment Co., 343 S Dearborn
Pyott Co., 1401 W North av
Reeves Pulley Co., 39 S Clinton
*Revere Rubber Co., 158 W Lake
Rollins Supply Co. (Also Mine & Railroad), 17 W Kinzie
Salisbury W. H. & Co., 308 N Madison av
Scott Valve Co., 310 W Randolph
Seehausen-Wehrs & Co., 173 N Franklin
Sprague-Sells Corp. (All Kinds for Canners, etc.), 508 N Dearborn
Standard Sanitary Mfg. Co., 14 N Peoria
Stebbins Hdwe. Co., 15 W Van Buren
Sterling Products Co., Inc., 35 S Desplaines
Stocker-Rumeley-Wachs Co., 117 N Jefferson
Tierney D. J., 1717 W Lake
Union Asbestos & Rubber Co., 2334 Loomis
Wallbrum Kling & Co., 327 S Clark
Weller Mfg. Co., 1856 N Kostner av
Western Packing & Supply Co., 231 N Wells
Western Pipe & Supply Co., 2052 Fullerton
Western Plumbing Supply Co., 3223 Filmore
Western Roofing & Supply Co., 3611 Loomis
Whitaker Mfg. Co., 409 S Green
White A. D. Mchy Co., 108 N Jefferson
Williams I. B. & Sons, 14 N Franklin
Williamson R. & Co., 601 Washington blvd
Winne Howard B., 714 W Jackson blvd
Young H. P. (Mine), 20 W Jackson blvd
CHICAGO HEIGHTS—Gordon Supply Co.
DANVILLE—Conron Thos. Hardware Co.
Holmes Robt. & Bros. (Also Mine)
Inland Supply Co. (Also Mine)
DECATUR—Aultman & Taylor Machinery Co
Beall Improvements Co., Inc.
Field & Shorb Co.
Morehouse & Wells Co.
Threshers' & Millers' Supply Co.
Union Iron Works (Belting, etc.)
EAST ST. LOUIS—St. Louis Rail & Equipment Co., 3rd Nat'l Bank bldg
FREEPORT—Dorman & Co.
HARVEY—Eisener C. C.
JOLIET—Barrett Hardware Co.
KANKAKEE—Norris D. M. & Son
LAWRENCEVILLE—Illinois Nat'l Supply Co.
Jarecke Mfg. Co.
Oil Well Supply Co.
MOLINE—Barnard & Leas Mfg. Co.
Dunn Thos. & Sons
OTTAWA—Refior David L.
PEKIN—Velde, Roelfs & Co.
PEORIA—Bittel Wm
Clark-Smith Hdwe. Co.
Couch & Heyle
Cummings & Emerson
Dooley Bros. (Jobbers, Mine), 1301 S Washington
Hagerty Bros. Co. (Mine)
Ideal Tank & Supply Co., Inc.
Kinsey & Mahler Co.
Meyer F. & Bro. Co.
Nailon Bros. Co.
PRINCETON—Priestley Hardware Co.
QUINCY—Best E. Plumbing, Heating & Supply Co.
Hollister-Whitney Co.
Illinois Mfg. & Supply Co.
ROBINSON—Bradford Supply Co.
Illinois Nat'l Supply Co.
Jarecki Mfg. Co.
Oil Well Supply Co.
ROCKFORD—America Heating & Supply Co.
Crane Co., 636 Race
See adv index at end of book
Nat'l Lock Co.
Rockford Brass Works
Rockford Mitre Box Co., 252 Mill
ROCK ISLAND—Allen Myers & Co.
Channon & Dufva Co. (Factory & Steamboat)

Continued on following page)

Mill & Factory Supplies—Continued

ILLINOIS—Continued

SANDOVAL—Jarecki Mfg. Co.
SPRINGFIELD—Anseli Oscar & Son
Hudson J. L. & Co.
Miller W. B. & Son
STREATOR—Williams Hardware Co., 113H Vermillion

INDIANA.

ANDERSON—Kaufman Hardware Co.
May Supply Co.
AUBURN—Auburn Hardware Co.
Culbertson Hardware Co.
BRAZIL—Industrial Supply Co. (Also Mine)
CARLISLE—Risinger Thos. S.
COLUMBUS—Schwartzkopf's J. G. Sons
CONNERSVILLE—Stant Geo. Machine Works
ELKHART—Borneman & Sons
EVANSVILLE—Evansville Leather & Belting Co., 429 Syc.
Holtz F. Co., 18-30 3rd av
Laib Co.
Orr Iron Co. (Also Mine)
FORT WAYNE—Fort Wayne Iron Store Co.
Fort Wayne Oil & Supply Co.
Moseman Yarnelle & Co.
National Mill Supply Co.
Pfeiffer Henry & Son Co.
Schlatter C. C. & Co.
Wayne Belting & Supply Co.
GARY—Calumet Supply Co.
People's Hdwe. Co.
GOSHEN—Hawks Hardware Co.
GREENSBURG—Corbett & Rohe
Watson W. A.
INDIANAPOLIS—Atkins E. C. & Co.
Bock Equipts. Co., 1900 Northwestern & 2nd av
Central Rubber & Supply Co., 120 S Meridian
Hide, Leather & Belt Mfg. Co., 227 S Meridian
Holliday W. J. & Co., 1512 N Meridian
Indianapolis Belting & Supply Co., 32 S Capitol av
Kenney Machinery Co., 124 S Capitol av
Nordyke & Marmon Co., Kentucky av & Morris
Taylor Belting Co., 247 S Meridian
Van Camp Hdw. & Iron Co., 401 N Maryland
KENDALLVILLE—Flint & Walling Mfg. Co.
KOKOMO—Kokomo Hardware Co.
Kokomo Supply Co.
LAFAYETTE—Biggs Pump & Supply Co., Dept. H
Johnson Hardware Co.
Reule Fred'k
LA PORTE—Gangwer I. D. & Co.
LOGANSPORT—Ullery S. W. & Son
MADISON—Johnson Fdry. & Mch. Shops
Madison Mch. Co.
MARION—Hogin, McKinney & Co.
Marion Hdw. Co.
Marion Machine, Foundry & Supply Co.
MICHIGAN CITY—Bartholomew & Co.
MISHAWAKA—Dodge Sales & Engineering Co.
MUNCIE—Keiser Geo. & Co.
Scott R. Hardware Co
NOBLESVILLE—Clark's Supply House (Mill Supplies)
RICHMOND—Jones Hdw. Co.
SOUTH BEND—South Bend Supply Co.
TERRE HAUTE—Austin Hardware Co.
Freitag, Weinhardt & Co.
Power Supply Co.
UNION CITY—Knapp Supply Co.
VINCENNES—Weed W. H.
WABASH—Rettig F. J. & Sons

IOWA.

BONAPARTE—Blackford W. S. & A. V.
BURLINGTON—Stewart & Hayden Co.
CEDAR RAPIDS—Cedar Rapids Pump Co.
Fawcett C. E.
Iowa Wind Mill & Pump Co.
Larimer E. K. Hdwe. Co.
Messner & Co.
Orr Bros. Supply Co.
CLINTON—Iowa Mch. Wks.
DAVENPORT—Crane Co., 217 E 2nd
See adv index at end of book
Davenport Mch. & Fdry. Co.
Hanssen's Louis Sons
Red Jacket Mfg. Co.
Sickels & Preston Co.
Sieg Co. (Belting & Power Transmitting, etc)
DECORAH—Johnson Peter & Sons
DES MOINES—Baker Machinery Co.
Beckman Bros.
Crane Co., 1440 Walnut
See adv index at end of book
Globe Machy. & Supply Co.
Iowa Machy. & Supply Co.
DUBUQUE—Deckert W. D. Co.
Dubuque Rubber & Belting Co.
McDonald A. Y. Mfg. Co.
Marshall Wm. Co.
Voggenthaler, E. J.
FORT DODGE—Leighton Supply Co.
GREELEY—Hilsenbeck H. C.
IOWA CITY—Iowa City Iron Works
KEOKUK—Industrial Supply Co.
LE MARS—Pech Gustave Foundry & Mfg. Co.
MASON CITY—Hawkeye Supply Co.
NORTHWOOD—Tenold Hardware Co.
OSKALOOSA—Ideal Mfg. & Supply Co.
OTTUMWA—McDaniel C. E. Co.
SIOUX CITY—Crane Co., 223 Jackson
See adv index at end of book
McGraw Co.
Novelty Mfg. Co.
Sioux City Iron Co.
WATERLOO—Cutler Hardware Co.
Waterloo Mfg. Co. (Belting, Packing, etc.)

KANSAS.

ATCHISON—Blish Mize & Silliman Hdwe. Co.
Thayer Supply Co.
CHANUTE—Bradford Supply Co.
Frick-Reid Supply Co.
EL DORADO—Atlas Supply Co.
Frick Reid Supply Co.
Jarecki Supply Co.
Nat'l Supply Co.
Oil Well Supply Co.
ENTERPRISE—Barnard Machinery Co.
Ehrsam J. B. & Sons Mfg. Co.
FORT SCOTT—Penniman A. C. & Son Hardware Co.
HUTCHINSON—Graber Supply Co.
Nelson Mfg. & Supply Co.
INDEPENDENCE — Beeler & Campbell, Bovaird Supply Co.
JUNCTION CITY—Muenzenmayer J. J. & W. F.
LEAVENWORTH—Great Western Mfg. Co.
PITTSBURGH—General Mchy. & Supply Co.
TOPEKA—Bromich Jos.
Capital Iron Wks. Co.
Thompson W. A. L. Hardware Co.
Western Foundry & Machine Works
WICHITA—Crane Co., 135 N Water
See adv index at end of book
Martin Metal Mfg. Co.
Massey Iron Co.
Morton-Simmons Hdwe. Co.
Western Iron & Foundry Co.
White Star Co.
Wichita Supply Co.

KENTUCKY.

ASHLAND—Ashland Fdry & Machine Works
Williamson Ben & Co.
BOWLING GREEN—Bowling Green Mch. Co.
FRANKLIN—Franklin Hdwe. Co.
HAZARD—Mahan Co.
HENDERSON—Blackwell P. A. & Co.
HOPKINSVILLE—Metcalf J J.
LEXINGTON—American Metallic Packing Co.
Lexington Engine & Boiler Wks.
Smith-Watkins Co.
LOUISVILLE—Belknap Hardware & Mfg. Co., 2d & Washington
Brandeis Mchy. & Supply Co., 331 W Main
Caldwell W. E. Co.
Cowan Andrew & Co., 421 W Main
Fairbanks Morse & Co.
Falls City Plumbing Supply Co.
Graft-Pelle Co., 111 N 3d
Hite W. W. & Co., 523 W Main
Kentucky Saw Works, 1004 W Main
Laib Co., 1401 S 18th
Morton E. D. & Co., 516 W Main
Neill-La Vielle Supply Co., 505 W Main
Pyne Co.
Semple W. & A. C., Inc., 309 W Main
Standard Sanitary Mfg. Co., Ahrens & Ott, Div.
Todd-Donigan Iron Co., 813 W Main
Vogel P. A. & Sons, 121 W Main
Waters-Garland Co. (also Textile), 419 W Main
Whayne Roy C. Supply Co.
MIDDLEBORO—Hoe & Sons J. R. (Coal Mine Only)
Kentucky Mine Supply Co.
OWENSBORO—Guenther Hardware Co.
PADUCAH—Hank Bros.
Jackson Foundry & Machine Co.
Paducah Iron Co.
Peter H. A. Supply Co.
PIKEVILLE—Call Bros. Hardware Co.
WHITESBURGH—Mahan Co.
WINCHESTER—Mahan Co.

LOUISIANA.

ALEXANDRIA—Brown, Roberts Hardware & Supply Co. (Ltd.)
BATON ROUGE—Doherty Hardware Co. Ltd.
Fuqua Hardware Co.
DONALDSONVILLE—Lemann B. & Bro.
HAMMOND—Hammond Hardware & Supply Co. (Ltd.)
LAFAYETTE—Lacoste Hardware Co., Ltd.
LAKE CHARLES—Murray-Brooks Hdwe. Co., Ltd.
MONROE—Southern Hardware Co. (Ltd.)
Weaks Supply Co.
NEW IBERIA—Dallas & Bertram
NEW ORLEANS—Atkins E. C. & Co., 239 Canal
Baldwin A. & Co., Ltd., Camp & Common
Beacon Mfg. & Supply Co.
Boland Machine & Mfg. Co., 1006 Tchoupitoulas
Coe Belting & Supply Co., 317 Magazine
Coe Belting & Supply Co., 221 S Peters
Cudlipp Belting & Machinery Co., 317 Tchoupitoulas
Dibert, Bancroft & Ross Co., Ltd., Tulane & Hagan av
Dixie Mill Supply Co., 901 Tchoupitoulas
Fairbanks Co., 900 Camp
Fairbanks Morse & Co.
Globe Supply & Machinery Co., 627 S Peters
Hartwell C. C. Co., Ltd.
Kittredge-Waters Supply Co., Ltd., 422 Common
Lockett A. M. & Co., Ltd., 533 Baronne
Patterson C. T. Co. (Ltd.), 801 Tchoupitoulas
Plumbing & Mill Supplies Co., 840 Baronne
Reliance Machinery & Supply Co., 217 S Peters
Revere Rubber Co., 700 Baronne
Rowan P. Co., Ltd., 920 Peridido
Simonds Mfg. Co. (Ltd.), 420 Canal
Southern Belting Co. of New Orleans, La., 602 S Peters
Standard Sanitary Mfg. Co., 846 Baronne
Standard Supply & Hdwe. Co., 828H Tchoupitoulas
Stauffer, Eshleman & Co., Ltd., 511 Canal
Well-Gutmann Supply Co., 636 S Peters
Whitney Supply Co., 418 S Peters
Woodward, Wight & Co., Ltd., Howard av & Constance
SHREVEPORT—Gulf States Belting & Hose Co.
Henderson W. K. Iron Works, & Supply Co.
Lee Hardware Co. (Ltd.)
Nat'l Supply Co.
Oil City Iron Works
Oil Well Supply Co.
THIBODAUX—Planters' Hardware & Mill Supply Co., Ltd.

MAINE.

AUBURN—Elms James
AUGUSTA—Brooks Hardware Co.
Fifield Bros. Co.
BANGOR—Bragg H. H. & Sons
Dunning R. B. & Co.
Schwartz's M. Sons
Snow & Nealley Co.
Union Iron Works
BERWICK—Brackett Shaw & Lunt Co.
DEXTER—Fay & Scott
ELLSWORTH—Westcott H. F.
FORT FAIRFIELD—Cary L. K. Co.
GARDINER—Gardiner Hdwe. Co.
HOULTON—Watson John & Co.
LEWISTON—Carman-Thompson Co.
Hall & Knight Hdw. Co.
Smith John B. & Co.
Stetson J. H. Co.
Whitney Geo. A. Co.
MECHANIC FALLS—Penney J. W. & Sons Co.
PORTLAND—Adde & Co., 59 Kennebec
Blake W. L. & Co.
Corey E. & Co., 65 W Commercial
Edwards & Walker Co.
Emery-Waterhouse Co., 143 Middle
Portland Co.
Portland Rubber Co., 259 Middle
Smith & Abbott Co.
Talbot, Brooks & Ayre
ROCKLAND—Crie H. H. & Co.
WATERVILLE—Arnold W. B. & Co.
Claflin Machine Co.

MARYLAND.

BALTIMORE—Aumen Machinery Co., 109 E Lombard
Benson L. A., 8 E Lombard
Bolton Bros., 416 E Pratt
Carey Machinery & Supply Co., 119 E Lombard
Central Metal & Supply Co., 611 E Lombard
Clendenin Bros., 108 South av
Codd Tank & Specialty Co., 115 South av
Coggins & Owens, 19 S Charles
Crook H. E. Co., 28 Light
Crook-Horner Supply Co., 7 Balderson
Cuyler & Mohler, 611 William
Druid Oak Belting Co., 111 E. Lombard
Eastern Hardware Supply & Equipment, Lombard & Charles
Fairbanks Morse & Co., 115 E Lombard
Harvey Company, 113 South
Ives Mfg. Co., 203 Hanover
Jewel Supply & Equipment Co., 34 So. Calvert
Kessel Henry A. Co., 121 S Gay
Kries, Henry A. Sons Co., 8 W Lombard
McMeikan Robert & Son, 805 Light
Mallory Mchy. Corp., 522 Light
Maryland Equipment & Supply Co., 709 Equitable bldg
Matthesz Bros., 1222 Hill
MEYER HENRY H. CO., 110 S Howard
See adv index at end of book
Spedden Supply Co. (Marine Also), Boston & Kenwood av.
Starr, B. F. & Co., Guilford av & Center

Stebbins Wallace & Sons, 100 S Charles
Taylor Supply Co., 937 Fell
Walker James Co., 123 Light
Wallace & Gale (Oils, Coverings, Compounds, etc), 115 S Gay
Zies Chas & Sons Co., 320 S Fremont av

CUMBERLAND—Humbird Supply Co. (Mine)
McKaig Merwin (Also Mine)
Wilson & Pugh (Also Mine)

FREDERICK—Gomber John
Ox Fibre Brush Co.

HAGERSTOWN—Foltz Mfg. & Supply Co. (Wholesale)

POCOMOKE CITY—Pocomoke Fdry. & Machine Works

SALISBURY—Dorman & Smyth Hardware Co.
Grier Robt D & Sons Co.
Gunby L. W. Co.

TEXAS—*Maryland Belting & Packing Co.

MASSACHUSETTS.

ADAMS—Greylock Mill Supply Co., Inc.
Weston L. A.

AMESBURY—Fowler F. S.

ANDOVER—Morse Walter I.

ATHOL—Paige C. F. & Co.

AYER—Proctor E. O. Co.

BOSTON—American Shuttle Co., Exchange bldg
Anderson Geo. P. & Co., 207 Congress
Armstrong G. R. Mfrs' Supplies, Inc., 130 High
Barnes Henry K. Co., 234 Devonshire
*Bay State Belting Co., 349 Congress
Beal, Joseph & Co., 465 Atlantic av
Bigelow & Dowse Co., 229 Franklin
Blackburn S. P. & Co., 152 Border
Bond Harold L Co., 391 Atlantic av
Boston Belting Corp., 84 Linden Park
Boston Engineers' Supply Co., 159 Pearl
Boston Light & Supply Co., 219 Friend
Brackett, Shaw & Lunt Co., 1 Washington
Bradlee & Chatman Co., 53 State
Braman, Dow Co., 239 Causeway
Brigham Arthur A., 364 Atlantic av
Brown Wales C. Co., 489-C
Buerkel & Co., 24 Union Park
Byers & Smith, 105 Haverhill
Chandler & Farquhar Co., 250 Devonshire
Chesterton A. W. Co., 64 India
Church Stephen B., 210 Congress
Curry Bros. Oil Co., 253 Franklin
Cutter & Wood Supply Co., 274 Friend
Davis S. H. Co., 68 Portland
Dodge, Haley Co., 218 High
Eagle Oil & Supply Co., 45 India
Edelstone Wm. W., 65 Beverly
English C. R. Co., 69 Woolsey sq
Evans Mill Supply Co., 212 Summer
FABREEKA BELTING CO. (The Home of Fabreeka Belting), 120 High
See adv index at end of book
Fairbanks Co., 32 Pearl
Fairbanks Morse & Co., 47 Oliver
Federal Metallic Packing Co., 48 Hanover
Federal Steam & Gas Supply Co., 195 High
Field Wm. H. Co., 35 Washington, N.
Fitts Frank E. Mfg. & Supply Co., 88 Purchase
Fitz Dona & Co., 110 North
Fitzgerald W. H. J. & Co., 165 High
Freeman H. C. Co., 141 Milk
Gallison Wm. H. Co., 399 Atlantic av
Garlock Packing Co., 88 Broad
Gilchrist Geo. E. Co., 106 High
Globe Leather Belting Co., 185 Summer
Globe Rubber Wks., Inc., 45 High
Graton & Knight Mfg. Co., 34 South
See adv index at end of book
Harrington King & Co., 79 Commercial
Harris Alfred & Co. (Cotton & Wool Waste), 382 Summer
Hill Clark & Co., Inc 156 Oliver
Hinds & Coon, 126 Pearl
Hubbard W. B. & Sons Co., 176 Oliver
Ireson Chas. L., 221 High
Jager Chas. J. Co., 15 Custom House
Kessel Henry A. Co., 33 India
Knowlton Geo. W. Rubber Co., 60 Pearl
Ladew E. Co., 36 South
Livermore H. F., Inc., Cummington
Lumsden & Van Stone Co., 1 Dorchester
Lundin Elec. & Mch. Co., 10 Thatcher
Lunt Moss Co., 43 S Market
Lynd-Farquhar Co., 419 Atlantic av
McLean, John W. & Co., 31 Beverly
Machine Shop Equipment Corp., 170 Oliver
Manning, Maxwell & Moore, 10 High
See adv index at end of book
Mathias-Hart Co., 516 Atlantic av
Miller Joseph, 374 Atlantic av
Morse Andrew J. & Son Inc., 221 High
Morton A. M. & Co., 25 Washington
Myerson Joseph, 411 Atlantic av
Nightingale & Childs Co., 205 Congress
Niles-Bement-Pond Co. of Mass., 93 Oliver
*Page Belting Co., 60 Pearl
Patterson Lubricating Co., 11 Staser
Perrin Seamans & Co., 57 Oliver
Proctor, S. Eugene Co., 158 State
Rawles Jas. D. Co., 113 Broad
Reynolds Oil & Grease Co., 50 Long Wharf
Richards & Co. Inc., 192 Beverly
Shackley W. T. & Son Co., 49 High
Shawmut Co., 54 Canal
Sherburne & Co., 53 Oliver
Sherman G. N. B. & Son, Newton Hlds
Sherman G. B. & Co., 170 Summer
Simplex Tool & Supply Co., 127 Oliver
Speed Jas. & Co. (Texile), 170 Summer
Speare's Alden Sons Co., 156 Sixth
Summer & Dunbar, 287 Congress
Taylor Machy. Co., 78 Batterymarch
Tracy Lewis E. Co., 127 Broad
Underwood Mchy. Co., 177 High
U. S. Rubber Co., 284 Summer
See adv index at end of book
Wacco Supply Co., 30 Marginal E. Boston
Waldo Bros. & Bond Co., 181 Congress
Walker & Pratt Mfg. Co., 31 Union
Walworth Mfg. Co., 798 First
Webb F. W. Mfg. Co., 56 Elm
Wilkinson A. J. & Co., 184 Washington
Winther Chas. A. G. Co. Inc., 176 Congress
Wood W. A. Co., 373 Atlantic av

BROCKTON—Bostock Thos. & Sons.
Corcoran Supply Co.
Kimball Bros & Sprague
Noyes C. A. Co.

CAMBRIDGE—Central Sq. Hdwe. Co.
*Olmsted-Flint Co.

CLINTON—Pratt E. O.

DALTON—Glennon C. F., Dept. H.

EAST CAMBRIDGE—Edelstone, Wm. W., 25 Thorndike

EASTHAMPTON—Manchester & Forbes Co., Dept. H.
Ryan James P.

FALL RIVER—American Supply Co.
Anthony B. W. Co.
Borden, Jefferson & Son
Borden & Remington Co.
Congdon & Carpenter Co.
Covel & Osborn Co.
Davis N. Frank
Downey & Howland
Fall River Rubber Co.
Fall River Steam & Gas Pipe Co.
Fyans, Fraser & Blackway Co.
Johnson John F. Co.
Kilburn Lincoln Machine Co.
Miller Nathan & Sons, Ltd.
Slack James N.
Sterling Ring Traveler Co.
Toohey M. J. & Co.
Union Belt Co.
Waterman Supply Co.
Wetherell O. B. & Son Co.

FITCHBURG—Fitchburg Hardware Co.
Jennison Co.
Parks Cramer Co.
Savage W. H.

FRANKLIN—Hosie Horace W.
Milliken L. W. & Son

GARDNER—Davis Hardware Co.
Gardner Hdwe. Co.

GLOUCESTER—Andrews L. E. & Co.
Smith L. E. Co., Inc.
Stoddart A. P. & Co.

GREENFIELD—Allen's S. Sons
Webster F. I.

HAVERHILL—Busfield Machine Co.
Hanscom Hwde. Co.

HOLYOKE—Chase & Cooledge Co.
Holyoke Supply Co.
Holyoke Valve & Hydrant Co.
Pearson W. A.
Russell J. & Co.
Wells Hardware Co., Inc.

LAWRENCE—Austin M. E. & Co.
Barlow John W. Co.
Beals S. M. Estate
Blandin Co.
Bride Grimes & Co.
Hall Paint & Hardware Co.
Lawrence Rubber Co.
Robinson-Toohey Co.
Smart George B. & Co.
Stanchfield H. J. & Co.
Treat Hdw. & Supply Co.

LEICESTER—Watson L. S. Mfg. Co.

LEOMINSTER—Gavin Hardware Co.
Leominster Hardware Co.

LOWELL—Adams Hardware & Paint Co.
Bartlett W. T. S.
Bartlett & Dow Co.
Cady George L. & Sons
Coburn C. B. Co.
Hutchins Geo. E.
Knowles Scale & Supply Co.
Middlesex Machine Co.
Smith Ervin E. Co.
Thompson Hardware Co.
Turner J. S. Mfg. Co.
*Whiting Henry F.
Wright M. G. & Co.

LYNN—Harding J. W. & Co.
Howe Oliver B.
Trefethen F. L.

MANSFIELD—Fuller W. C. Co.

MATTAPOISETT—Dexter A. M. (Est. of)

MIDDLEBORO—Doane G. E.

MILFORD—Ellis, Clark & Sons
Staples & Gould

MILLBURY—Williams J. H. Co.

NEW BEDFORD—Babbitt Steam Specialty Co.
Dunham Crawford L.
Hillman F. G.
Knowles Wm. H. & Co.
Lowe S. C. Supply Co.
Manufacturers' Supply Co.
New Bedford Rubber Co.
Rankin & Arnold
Slocum & Kilburn (and Electrical Supplies), 23 No. Water
Watson-Penfield Corp., West W. R.

NEWBURYPORT—Russell, Albert & Sons Co.

NORTH ADAMS—Burlingame & Darbys Co.

NORTH CHELMSFORD—*North Chelmsford Machine & Supply Co.

ORANGE—Chase Turbine Mfg. Co.
Hunt Rodney Mach. Co.
Orange Hardware Co.

PALMER—Buck E .A. & Co.
Faulkner R. E., Dept. H.

PEABODY—Hamblet & Hayes Co.
Whidden A. H. & Son

PITTSFIELD—Barris-Geowey Co.
Berkshire Mill Supply Co.
Robbins Gamwell & Co.

QUINCY—Bradford Wm. A. Co., Chestnut

ROCKLAND—Hall & Torrey

SOUTH ATTLEBORO—Hopkins Harold V.

SOUTHBRIDGE—Winter G. C.

SPRINGFIELD—Alling Rubber Co., 261 Main
Carlisle Hardware Co., 324 Main
Crane Co., 62 Hampden
See adv index at end of book
Dexter & Bowles (Paper Makers), 317 Main
Foss W. J. Co.
Hannan & Finton Co.
Law J. Douglas Co., 203 Worthington
Lewis Chas C. Co.
Millar, Chas & Son Co.
Morris T. J., 584 State
Oliver & Howland Co., 240 Main
Russell Jno. W. & Sons Co.
Springfield Belting & Supply Co.
Springfield Contractors' Napier Supply Co.
Stacy E. S. Supply Co., 43 Taylor
United States Rubber Co., 101 Taylor
Wyckoff & Lloyd Co., 19-27 Worthington

TAUNTON—Park W. R. & Son
Pierce Hardware Co.

WALPOLE—Rooney Jno. B.

WALTHAM—Taylor & Percival

WARE—Sibley J. B. & Son

WESTFIELD—Bryan Hardware Co.
Mill Specialties Co.

WEST ROXBURY—McLaughlin W. T. Co.

WORCESTER—Brierly-Lombard Co., 663 Main
Burlingame A. Co., 147 Commercial
Central Supply Co., Foster sq
Duncan & Goodell Co.
*Graton & Knight Mfg. Co., 244 Franklin
See adv index at end of book
*Hudson Belting Co., 3 Eaton pl
Marble-Nye Co.
Mason Brush Works
Rider P. L., 317 Main
*Warren Belting Co., Dept. H.
Washburn-Garfield Co., Foster av
Wickwire Spencer Steel Corp.
See adv index at end of book
Willard W. H. & Co., 189 Commercial
Worcester Rubber Co., 302 Main

MICHIGAN.

ADRIAN—Wilcox Hdwe Co.

ALPENA—Kline Lewis T.

BATTLE CREEK—Brockett L. B. & Son
Galloup Pipe & Supply Co.

BAY CITY—Alert Pipe & Supply Co. (Also Mine)
Jennison Hardware Co.
Meister R. & Son
Styninger J. A.

BIG RAPIDS—Binney Machine Co.
Judson C. P. & Co.

CADILLAC—Cadillac Plumbing & Heating Co.
Drury & Kelley Hardware Co.

CALUMET—Carlton Hdw. Co. (Also Mining)
Keckonen Hdwe. Co.

CHEBOYGAN—Blake H. A. & Son
Post J. J. Hdw. Co. (Ltd.)

DETROIT—Anderson-Kenneth Co. (Packing, etc), 33 Atwater
Boyer-Campbell Co., Campbell bldg
Buhl Sons Co., 103-119 Woodbridge W
Central Distributing Co., 944H Harper av.
Coon-De Visser Co., 1772 W Lafayette blvd.
Crane Co., 150 Randolph
See adv index at end of book
*Detroit Oak Belting Co., 3362H Wight
Edwards H. D. & Co., 175 E Larned
English & Miller Mchy., Campbell bldg
Fairbanks Morse & Co., 1701 W Lafayette
Fales C. E. Mchy. Co., Kerr bldg
Gregg Hardware Co., 124 Cadillac sq
Harvey's A. Sons Mfg. Co.
Kerr Machy. & Supply Co., 100 Beaubien
Kimball Eisenberg Co., 153 E Jefferson av.
Ohio Rubber Co., 228 E. Jefferson
Palmer Bee Co., 2778 E Gd. Blvd
Penninsular Mchy Co., 279 E Jefferson

(Continued on following page)

Mill & Factory Supplies—Continued

MICHIGAN—DETROIT—Continued
Rayl T. B. Co., 236H W Congress
Riverside Mchy Depot, 17 St. Aubin av
Roehim & Davison 93 Woodbridge av
Schaefer Rubber Co., 1217 Griswold
Stickley E., B. Mchy Co., 217 E Cong.
Stone J. R. Tool & Supply Co., 997 Woodward
Taylor Supply Co., 164 Larned
Walker Mfg. & Supply Co., Shelby & Woodbridge
Wing J. T. & Co., 129 Woodward
DOWAGIAC—Owen Hardware Co.
ESCANABA—Delta Hardware Co.
FLINT—Hubbard Geo. W. Hardware Co.
Sterner Edwin Co.
GRAND RAPIDS—Alden & Judson
Barclay, Ayers & Bertsch Co.
Braudy M. & Sons
Hayden Supply Co.
Kellogg-Burlingame Co.
Leitelt Adolph Iron Works
McMullen Mchy. Co.
Raniville F. Co.
HANCOCK—Kerredge Wm.
HOUGHTON—Portage Lake Hdw. Co., (Ltd.) (Also Mine)
Swift I. E. Co. (Principally Mining)
IRON MOUNTAIN—Rundle A. J. (Also Mining)
IRONWOOD—Lesselyong Hardware Co. (Also Mine)
ISHPEMING—Eggan Fred. J.
JACKSON—Central Distributing Co.
Smith-Winchester Co.
KALAMAZOO—Bard Chas. G.
Bond Supply Co.
Edwards & Chamberlain Hardware Co.
Wheeler-Blaney Co.
LANSING—Michigan Supply Co.
Van Dervoort Hdwe. Co.
MANISTEE—Vincent-Wolters Co.
MARINE CITY—Zimmerman Bros.
MARQUETTE—Lake Shore Engine Wks.
Manhard M. R. & Son
MENOMINEE—Northern Hardware & Supply Co.
MUSKEGON—Howden J. J. Co.
Peoples Hardware Co.
Towner Hardware Co.
PAW PAW—Waters H. C. & Co.
PONTIAC—Hazleton-Fitch Co.
PORT HURON—Beard Campbell & Co.
Boyce Hdwe. Co.
Port Huron Engine & Thresher Co.
SAGINAW—Alert Pipe & Supply Co. (Also Mine)
Michigan Saw Co.
Morley Bros.
Saginaw Hardware Co.
Saginaw Mfg. Co. (Pulleys)
Sullivan Supply Co.
United States Graphite Co. (Mine)
ST. IGNACE—Kynoch Chas. & Co.
SAULT SAINTE MARIE—Soo Hardware Co.
SHELBY—Rankin A. J.
TECUMSEH—Satterthwaite Bros.
Whitenack D. L. & Co.
TRAVERSE CITY—Traverse City Iron Works
ZEELAND—DePree Wm. Co.

MINNESOTA.

DULUTH—Crane Co., 8 E Michigan
See adv index at end of book
Duluth Iron & Metal Co.
Kelley-How-Thomson Co.
Marshall-Wells Co. (Also Railway, Automobile, Electrical & Mining Supplies)
Northern Hardware Co.
MINNEAPOLIS—Central Supply Co., 312 S Third
Clark Geo. A. & Son, 901 N 3rd
Crane Co., 400 3rd av N
See adv index at end of book
Engineering & Steam Supplies Co., 1029 S 3rd
Gilmore D. M. Co., 515 S 3rd
Harris Machinery Co., Washington & University, S E
Herschel-Roth Mfg. Co.
Howell R. R. & Co., 31st av
Janney, Semple, Hill & Co., 1st av S & 2nd
Kelly H. & Co., Plymouth Bldg
Link Belt Supply Co. (Mill & Grain Elevator), 410 S 3d
Manufacturers' Supply Co., 2407 University av S E
Marshall-Wells Co., Lake av, S
Northern Machinery Co., 503 S 6th
*Nott W. S. Co., 2nd av N & 3rd
Plant Rubber Co., 322 1st av N
Power Equipment Co.
Sanford Chas. E. & Co. (Also Mine), 202 Wash'n av N
Satterlee F. E. Co., 120 Wash'n N
*Sikes S. R. Co., 1030 S 3rd
Simmons Hdwe. Co.
Strong-Scott Mfg. Co., 413 S 3rd
Warner Hdwe. Co., 13 S 6th
Zeigler Wm. H., 425 S 5th
ST PAUL—Cochran-Sargent Co., 132 E 6th
Crane Co., 356 B'way
See adv index at end of book
Decker Adam Hdwe. Co., 347 Jackson
Fairbanks Morse & Co.
Farwell Ozmun, Kirk & Co., 2d & Jackson
*Goodyear Rubber Co., 375 Sibley
Hildred John W. & Co.
Raymer Hdwe Co., 58 E 5th
Robinson Cary & Sands Co., 4th & Wasonta
United States Rubber Co.
Western Supply Co., Park Square
Whitacre R. B. & Co.
WINONA—Cone R. D. Co.

MISSISSIPPI.

CLARKSDALE—Clark Walter
Clarksdale Machinery Supply Mfg. Co.
Shelton J. R. Hdwe. Co.
Sommerse Hardware Co.
COLUMBUS—Banks Hdwe Co.
Jacobs F. M.
CORINTH—Adams W. T. Machine Co.
Cornith Machine Co.
GREENVILLE—Geise-Mann Hdwe Co.
HATTIESBURGH—Komp Machinery Co.
JACKSON—McCleland Thos., Hardware Co.
MERIDAN—General Supply & Machinery Co.
Hyde Chas. J.
Williams Cliff Machine Co.
NATCHEZ—Baker & McDowell Hdw. Co.
Feltus Bros.
Schwartz & Stewart
TUPELO—Trice & Raymond Hdwe. Co.
VICKSBURG—Robinson B. J.
Wright Bros. Hardware Co.
YAZOO CITY—Crane-Hamel Hdw. Co.

MISSOURI.

CARTHAGE—Joplin Supply Co.
JOPLIN—Joplin Machy & Renting Co.
Joplin Supply Co.
Landreth Mchy. Co.
McNeal Machinery Co.
United Iron Works Co. (Also Mine)
KANSAS CITY—Bonniwell-Calvin Iron Co.
Brunner H. J. Hardware & Machine Supply Co., 1512 Grand av
Bunting Hardware Co., 810 Walnut
Byrnes Belting Co., 1426 Grand av
Chandler Pump & Supply Co.
Elifeldt Hdwe. & Mcht's Supply Co., 1219 McGee
English Tool & Supply Co., 408 W 5th
Equipment Co. (R. R., etc.), 1531 Walnut
Faeth Iron Co., 1125 N. 8th
Fairbanks Morse & Co., 1218 Liberty
*Goodyear Rubber Co., 80 Baltimore av
Great Western Mfg. Co., 1400 W 12th
Gustin-Bacon Mfg. Co., 1604 W Grand
Harbison Mfg. Co., 1219 W 10th
Kansas City Pump Co., 1314 W 10th
Richards & Conover Hardware Co., 5th & Wyandotte
United Iron Works Co. (Mine)
U. S. Rubber Co. of Mechanical Goods Div., 1520 Main
U. S. Water & Steam Supply Co., 1315 W 12th
Williams H. R. Mill Supply Co., 103 Mass bldg
Young W. P. Supply Co., 208 Delaware av
MOBERLY—Faessler J. Mfg. Co.
POPLAR BLUFF—Holcomb W. A.
ST. JOSEPH—Howe W. B. Supply Co.
Jamieson Mch. Co.
ST. LOUIS—Barry-Wehmiller Machy. Co., 4660 Florissant
Blackman Machine Tool Co., 1513 W B'way
Brockman J. R. Mfg. Co., 617 N 2nd
Broderick & Bascom Rope Co. (Mine), 805 N Main
Brown-McDonald Machinery Co., 2323 N 9th
Byrnes Belting Co., 226 Plum
Cahill Swift Mfg. Co., 1112 Market
Colcord-Wright Mchy. & Supply Co., 1223 to 1229 N B'way
Continental Supply Co. (Mine), Post-Dispatch
Cornelius Mill Furnishing Co., 1119 N 6th
Crane Co., 30 S 16th
See adv index at end of book
Crescent Oil & Supply Co., 303 N Levee
Crockwell Mine & Mill Supply Co., Federal Reserve Bank bldg
Day Rubber Co., 415 N 4th
Dodge Sales & Engineering Co., 403 N 4th
Donovan Iron & Supply Co., 313 N Main
Essmueller Mill Furnishing Co., 1223 S 8th
Fisher & Davis Mfg. Co., 934 N 1st
Fritz Geo J. Fdry. & Mch. Co., 2013 S 3rd
Geller, Ward & Hasner Hardware Co., 414 N 4th
*General Mfg. Co., 1804H Pine
Graton & Knight Mfg. Co., 404 Barton
See adv index at end of book
Hall & Brown Woodworking Machine Co., 1911 N B'way
Handlan-Buck Mfg. Co., 210-14 N 3d
Jarecki Mfg. Co., Chemical bldg
Johnson Wm. C. Sons Mach. Co., 1001 N 6th
Kelly & Jones Co., 507 Laclede, Gas bldg *See adv index at end of book*
Leschen A. & Sons Rope Co. (Belting, Packing, etc), 920 N Main
Manning, Maxwell & Moore, R'way Exch. bldg
See adv index at end of book
Matthews Geo. T. & Co., 20 S Main
Nelson N. O. Mfg. Co., 10th & Chestnut
Ramming John Mch. Co., 300 S Main
Reeves & Skinner Mch. Co., 3211 Olive
Rubelmann Lucas Hdw. Co., 1939 N. B'way
St. Louis Belting & Supply Co., 509 So 4th
St. Louis Iron Store Co., 700 Cass av
St. Louis Machinists' Supply Co., 920 N. B'way
Schroeter Bros. Hdwe. Co., 810 Washington av
Shapleigh Hardware Co. (Also Miners'), 4th & Washington av
Sligo Iron Store Co., 6th & O'Fallon
Smith Geo. F., Franklin & Channing
Streett J. D. & Co. (Also Mine), 41st & Park
Teuscher & Son Machy. Supply Co., 801 N 2nd
Winchester-Simmons Co., 9th & Spruce
Zeinicker Walter A., Supply Co., 325 Locust
SEDALIA—Barley Thomas K.
SPRINGFIELD—McGregor-Noe Hardware Co.
WEBB CITY—Joplin Supply Co. (Mine)

MONTANA.

ANACONDA—Anaconda Copper Mining Co.
BILLINGS—Billings Hdwe. Co.
National Supply Co.
BOZEMAN—Power Implement Co.
BUTTE—Anaconda Copper Mining Co.
Butte Mchy. Co.
Montana Hardware Co.
Western Iron Works
GREAT FALLS—Crane Co., Great Northern Railway Yards
See adv index at end of book
HELENA—Helena Hdwe Co.
Holter A. M. Hardware Co.
KALISPELL—Kalispell Mercantile Co.
MISSOULA—Missoula Mercantile Co.

NEBRASKA.

ALLIANCE—Newberry's Hdwe. Co.
BEATRICE—Dempster Mill Mfg. Co.
GRAND ISLAND—McAllister R. H. Co.
LINCOLN—Western Supply Co.
OMAHA—Crane Co., 323 S 10th
See adv index at end of book
Day John Rubber & Supply Co.
Latshaw Belting & Supply Co.
McGraw Co.
Omaha Baum Iron Store Inc.
Omaha Sanitary Supply Co.
Sunderland Machinery & Supply Co.
U. S. Supply Co.
YORK—York Fdry. & Engine Works

NEVADA.

RENO—Bradley J. R. Co.
Nevada Mchy & Electric Co.

NEW HAMPSHIRE.

CLAREMONT—Rand, Ball & King Co.
CONCORD—Concord Pipe Co.
Page Belting Co.
Thompson & Hoague Co.
EXETER—Lane G. W. & C. A.
KEENE—Spencer Hardware Co.
LACONIA—Huse W. D. & Sons
Quinby A. T. & Son
LANCASTER—Morean J. J. & Son
Thompson Mfg. Co.
MANCHESTER—Cornish E. P.
Manchester Hardware Co.
Manchester Supply Co.
Varick Jno. B. Co.
MILFORD—French W. F.
NASHUA—Grover File Co.
Hill Hdwe. & Paint Co.
NEWFIELD—Pollard C. A. Co.
PETERBORO—Walbridge & Taylor
PORTSMOUTH—Chadwick & Trefethen
SOMERSWORTH—Brackett, Shaw & Lunt Co.
WHITFIELD—Stoughton Allen F.

NEW JERSEY.

ATLANTIC CITY—Allen E. Philip & Co
Currie Co.
BAYONNE—Bayonne Supply Co.
Meyer & Ruh Co.
CAMDEN—Cox Elmer E., 8th & Pine
DOVER—Berry S. H. Hdwe. Co.
ELIZABETH—Elizabeth Hardware Co.
GUTTENBURG—Herrmann F. W. Co.
HOBOKEN—Ross Francis J.
Standard Heating Co., 8th & Jefferson
JERSEY CITY—Gibbons Ernest A. Co., 27 Montgomery
Jersey City Supply Co., 12 Mercer
Perkins Arthur L. Co., 144 12th
Warren Plbg. Supply Co., 261 Warren
MADISON—Force Chas. C. & Son
NEWARK—Abrasive Machine Co. (Wholesale Abrasive Materials), 22H Prospect
Banister & Pollard Co. (Dirs.), 206 Market
Bridgman Co., 206H Frelinghuysen
Coe Jas. A. & Co., 106 Mulberry
Crabb Wm. & Co., 3d av, cor 4th

Crane Co., 86 Mechanic
See adv index at end of book
Crane & Milligan, 54 Mechanic
Essex Supply Co., 580 Market
Foster Bros., 293 Market
Ironbound Hardware & Supply House, 228 Ferry
Johnson-Mandeville Co., 496 Broad
Jones & Auerbacher, 26 Mechanic
Leonard E. B., 19 Lombardy
Ludlow & Squier, 97 Market
*Meier's Jos. Sons, 281 Market
Mutual Supply Co., 87 Penna av
Rising & Thorne, 475 Broad
Roe Wm. S., 15-31H River
Seither & Ellis, 61 Mechanic
Walker Chas W. Sons & Co., 288 Market

NEW BRUNSWICK—Beith & Reilly Co.
Strong Hardware Co.
Weigel Philip, Jr.

ORANGE—Lindsley Jno. H.
PASSAIC—Barton A. R. & Co., 195-197 Jefferson
Mills H. W. & Co.
New Jersey Engineering & Supply Co.
Passaic Plumbing Supply Co.

PATERSON—Ash Henry M.
Cleaver & Leather
Cleveland J. W. Hardware Co.
Cox Jas. T.
Cronin Jno. P.
Doremus John T. Co.
Frost Geo. T. & Sons
Gurney Wm. H.
Hall L. A. & Co. (Textile)
Hindley Edwin B. & Co.
Low F. Eliot & Co.
McNab & Harlin Mfg. Co.
Mills H. W. & Co.
Myers Geo. A. & Co.
National Mill Supply Co.
Paterson Reed & Harness Co. (Textile)
Paterson Supply Co. (Textile)
Quackenbush & Son
Quinn Bros.
Rigby H.
Royal Reed & Harness Co. (Textile Machinery Parts), 203 Paterson
Smith Abe
Ulrich Co.
Van Riper Mfg. Co. (Textile)
Van Winkle J. A. Co.
Walder Jacob (Textile)

PERTH AMBOY—Elizabeth Hardware Co.
McCormick W. H. & Son
Perth Amboy Hdwe. Co.

TRENTON—Ashton Jos. Jr., New York av & Spruce
Manufacturers Selling Co.
Piper Bros., 112 Brunswick av
Standard Supply & Equipment Co., 143 N Warren
Trenton Hardware Co., 35 E State

WEEHAWKEN—Berger Edw. W. & Bro.

NEW MEXICO.

ALBUQUERQUE—Mead Hardware Co. (Also Mine)

NEW YORK.

ALBANY—Albany Hdwe. & Iron Co.
Crane Co., N Broadway
See adv index at end of book
Fairbanks Co., 364 Broadway
Sager-Spuck Supply Co., Inc., 26-28 Beaver
Stoneman M. G. & Son
Wing Robert B. & Son, 385 B'way

AMSTERDAM—Gardiner E. W. (Textile)
Larrabee John E. Co. Inc.

AUBURN—Herron P. M. Hardware Co., 24 Genesee
Smith & Pearson

BATAVIA—Steel & Lorrance Co. Inc.
BATH—Gould & Nowlen

BINGHAMTON—Babcock, Hinds & Underwood
Gaylord & Eltapenc Co.
Millar, Chas. & Son Co.
Morse E. W. Co.
Runyon & Ogden
Shapley & Wells

BROOKLYN—(See N. Y. City, Borough of Brooklyn)

BUFFALO—Baker Howard H. & Co.
Beals, McCarthy & Rogers, 44 Terrace
*Bickford & Francis Belting Co., 36 Pearl
Brown Wm. H. H. Co.
Buffalo Belting Works, 18 Ellicott
Buffalo Mill Supply Co. Consolidated Inc., 210-212 Main
Buffalo Tool & Supply Co.
Buffalo Wholesale Hdw. Co., 317 Washington
Bushnell Clarence E.
Case W. A. & Sons Mfg. Co., 31 Main
Connelly Bros., 165 Ohio
Curtis Supply Co. Inc., 59H Main
Enos & Sanderson, 147 Bushnell
Frasse Peter A. Inc.
*Goodyear Tire & Rubber Co., 1013 Main
Hoffeld R. & Co., 61 Carroll
Kelly & Jones Co. The, 572 Ellicott sq. *See adv index at end of book*
Kemp Rubber Co., 246 Washington
Lenahan Frank & Son, 53 Fulton
Loegler & Ladd Inc., 104 Terrace av
McCutcheon C. H., 27 Washington
Mahoney Daniel & Sons, 17 Main
Mey Chain Belt Co.
Newman W. H. H. & Co., 70 Main
Osgood J. L. Tool Co., 45 Pearl
Peerless Belting Co., Indian Church rd
Peerless Mill Supply Co., 90 Pearl
Root Neal & Co., 178 Main
Ruckel J. H. & Son, 81 Main
Schaefer Pbig. Supply Co., 146H Clinton
Taylor H. D. Co., 103 Oak
U. S. Rubber Reclaiming Co., 724 Babcock
See adv index at end of book
Walbridge & Co., 392 Main
Warren & Dellwardt Co., 109 Seneca
Weed & Co., 95 Swan
Wright A. B. & Co., 230 Washington
Wright Harry S., 14 Elk

CANANDAIGUA—Peck Hdwe. Co.
CARTHAGE—Ryther & Pringle Co.
CATTARAUGUS—Oakes & Burger Co.
CLYDE—Wood S. W. Engine Co., Inc.
COHOES—Kavanaugh Geo. W.
Laughlin Edwin B.
Laughlin John
Sweet & Doyle

CORTLAND—Gallup Hardware Co.
McKee, J. L. Supply Co.

DUNKIRK—Armstrong & Fleischman
ELMIRA—Barker Rose & Clinton Co.
Booth Irving D. Inc.
Elmira Storage & Supply Co.
Hogg-Lynn Co. Inc.
Horton Machine Works
Swift Lubricator Co.

FORT EDWARD—Newton & Hill
GENEVA—Dorchester & Rose
Emig & Barth, Dept. H
GLENS FALLS—Kalbfleisch Theo. F.
Robinson Supply Co.

GLOVERSVILLE—Batcheller E. S. & Co.
Sowle J. E.

GREENE—Lyon Iron Works
HAVERSTRAW—Lane Chas. R.
Rose & Johnson
Straut W. H. Co.

HUDSON—Jones & Hardy
Parker Byron

ILION—Newth N. J. Hardware Co.
JAMESTOWN—Clark Hdw. Co.
Jamestown Hardware Co.
Lundquist C. A. & Co.
Underwood Mill Supply Corp., 57 Windsor

JOHNSTOWN—McGuire & Tymeson Co.
KINGSTON—Canfield Supply Co.
Johnson J. T.
Winne L. S. & Co.
LITTLE FALLS—Burney Bros.
Taylor Jno. R. & Co.
LOCKPORT—Trevor Mfg. Co.
LONG ISLAND CITY—(See N. Y. City, Borough of Queens)

MALONE—Hinds Thomas Co.
MECHANICSVILLE—Mechanicsville Specialty Supply Mfg. Co.
MOUNT VERNON—Fell Adolph
NEWBURGH—Lawson Hdwe. Co.
SMITH W. L.
NEW ROCHELLE—Dimock & Fink Co.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Brown Jas. H., 139 3d av
Colesman Chas., 953 3d av
Columbia Machine Wks. & Malleable Iron Co. (Rice), Atlantic av & Chestnut
Jacobs Geo. P. & Co., 276 S 9th
Johnson J. D. Co., 43 Boerum pl
Kasper & Koetzle Hardware Co., Inc., 565 Bushwick
Kiley Thos. W. & Co., 57 Grand
McElraevy & Hauck Co., 440 Broadway
Munkenbeck Bros. Inc., 88 Hamilton av
Scollay John A., Estate, 74 Myrtle av
Smyth-Donegan Co., 247 St. Marks av
Wickes John C. Co., 189 Montague
Wilfert John Co., 490 Brunswick av

Boroughs of Manhattan and Bronx.

NEW YORK—Allied Machinery Co. of America, 51 Chambers
Anaconda Copper Mining Co., 25 B'way
Atkins E. C. & Co., 50 Reade
Baker Carver & Morrell, 36 Water
Baldwin Frank & Son, 33 South
Behrer & Co., 81 Beekman
Behringer Edw. A., Inc., 98 Park pl
Beith & Reilly Co., Lincoln av. & 137th
Bernard-Greenwood Co., 20 Desbrosses
Bettes & Ebsen, 152 Chambers
Biddle Purchasing Co., 105 Chambers
Braunfels, Browning & Co., 1940 Park av
Burnet Co., 69 South
Callahan Geo. & Co., 218 Front
Campbell Supply Co., 570 Columbus av
Carter R. K. & Co., 66 Reade
Chatwin Alfred Supply Co. (Tools & Supplies), 426 Broome
Colonial Rubber Specialties Co., 35 Murray
Consolidated Packing & Supply Co., 21 Barclay
Cornell & Underhill, Greenwich & Spring
Croler Nat'l. Fire Prevention Engng. Co.
Curran Supply Co., 512 W 36th
Darcoid Company, 1780 B'way
See adv index at end of book
Dienst A. P. Co., 2604 3d av
Dill J. T. Co. (Pulleys, Hangers & Shafting), 90 Walker
Dimock & Fink Co., 220 E 125th
Dixon Wm., 119 Fulton
Dodge Mfg. Co., 53 Park pl
Dominion Asbestos & Rubber Corp., 1780 Broadway,
See adv index at end of book
Donegan & Swift, 6 Murray
Donovan R. J. Co. of N. Y., 217 Pearl
Du Bois F. N. & Co., 247 9th av
Dunham, Carrigan & Hayden Co., 137 Duane (Also Mine)
Eagle Pipe Supply Co., Inc., 233 B'way
Eberhart N. & Son Co., 401 E 76th
Endicott-Hammond Co., 155 Chambers
FABREEKA BELTING CO. (all sizes up to 16" carried in Fabreeka Belting stock), 523-29 Eighth av
See adv index at end of book
Fairbanks, Morse & Co., 30 Church
Federal Hardware Co., 447 Greenwich
Fitzgerald M. J. Co., 252 Lafayette
Fox Bros. & Co., 126 Lafayette
Fox & Engel, 233 Broadway
Frank Henry, Jr. (Wholesale), 374H Hudson
Franklin Hdwe. Co., Inc., 37 Howard
Frasse, Peter A. & Co. (Inc.), 417 Canal
Freidus Mchy. Co. Inc., 174 Centre
See adv index at end of book
Galban & Co., Inc. (For Export), 32 Beaver
Galbraith C. C. Son, 117H West
Garrett W. D. & Co., 118 E 28th
General Machy. & Supply Co., 136 Liberty
Giannini G. W., 437 W 42d
Giberson E. D. & Co., 44 Rector
Gladium Co., 34H Cliff
Glauber Sam S., 242 E 79th
Godfrey Keeler Co., 70 Warren
Grant Robert, 233 B'way
Graton & Knight Mfg. Co., 33 Warren
See adv index at end of book
Greason Mfg. Co., 108 W 99th
Greene, Tweed & Co., 109 Duane
Green G. S. Co. Inc., 74 Warren
Grob Hardware Corp., 36 Murray
Hall's Wm. A. Son, 111 Broad
Hamilton Co., 50 Church
Hammacher, Schlemmer & Co., 133 4th av
Hanner & Fredericks, 824 Amsterdam av
Hayward S. F. & Co., 250 W 54th
Hegeman & Ward, 43 South
Hemphill A. J. Co., Inc., 161 Washington
Hull Grippen & Co., 310 3d av
Hungerford U. T. Brass & Copper Co., 80 Lafayette
Hygrade Belting & Oil Co., 436 W B'way
Imperial Packing Corp., 73 W B'way
Independent Supply Co., 36 South
Industrial Supply Co., 25 Broadway
Irving Mfg. & Tool Co., 157 Chambers
Jones Packing Co., 50 Church
Kalb Adam, 162 Grand
Katzenstein Leopold & Co., 353 West
Keasbey Robt. A. Co., 445 West
Keating E. F. Co., 446 Water
Keating James A. Co., 105 Christopher
Kelly & Jones Co. The, 2509-12 Park row bldg
See adv index at end of book
Kessel Henry A. Co., 38 Pearl
Knickerbocker Supply Co., 149 Church
Lemkin S., 172 Centre
Lord & Burnham Co., 30 E 42d
McCabe J. J. Lathe & Machinery Corp., 149 B'way
McCoy Henry J., 25 Dey
McMann Supply Co., 319 Pearl
McMANN & TAYLOR CO. (Jobbers), 104 John. *See adv index at end of book*
McNab & Harlin Mfg. Co.
MacGovern & Co., Inc., 114 Liberty
Macwatty D. & Co., 97 Wooster
Manhattan Mchy. Exchange, 30 Church
MANNING MAXWELL & MOORE INC., 100 E 42nd
See adv index at end of book
Marine Mfg. & Supply Co., 158 South
Marine Metal & Supply Co., 100 Horatio
Markt & Schaefer Co., 193 West
Marlen Hdwe. Co., 110 Fulton
Martens R. & Co. Inc., 6 Hanover
Marx S. C. Co., 76 Dey
Miller & McLean, 120 Liberty
Mine & Smelter Supply Co. (Mine), 42 B'way
Mitchell-Bissell Co., 334 4th av
Montgomery & Co., 105 Fulton
Montrose Ernst, 149 Church
Mooney Douglas & Pearson, 57 Murray
Murray H. J., 85 Warren
Murray Jno. A. & Co., 310 W 39th
Nason Mfg. Co., 71 Fulton
See adv index at end of book
Neal B. B. Hardware Co., 235 Canal
Neal & Brinker Co., 78 Duane

(Continued on following page)

Mill & Factory Supplies—Continued

NEW YORK—NEW YORK—Continued
- *New York Belting & Packing Co. 91 Chambers
- New York Millwright Co., Inc. (Power Transmission Machy.), 86 Cortlandt
- Ogden J. Edward Co., 147 Cedar
- Oliver Bros., Inc., 71 Murray
- Olney & Warrin, 301 Lafayette
- O'Neil M. Supply Co., 25 Cliff
- Patterson Bros., 27 Park row
- Peck W. E. & Co., 25 Broadway
- Peerless Iron Pipe Exchange Inc., 396 B'way
- Pendleton W. S., Jr., & Co., 164 Front
- Pfaff George, 109 Lafayette
- Phelps Bros. & Co., 101 Beekman
- Pitts & Kitts Mfg. & Supply Co., 52H Park pl
- Pollock Alex. Co., 203 West
- Richard Frank & Gardner Co., 47 South
- Richards & Hirschfeld, Inc., 50 Church
- Robertson Jas. L. & Son, 78 Murray
- Rogers H. A. Co., 87 Walker
- Rumsey Pump & Machine Co., 75 Warren
- Saginaw Mfg. Co., 323 Greenwich
- *Schieren Charles A. Co., 30 Ferry
- *Schultz Belting Co. (of St. Louis, Mo.), 111 Chambers
- Schwenker W. M. Inc., 340 E 92d
- Secor A. W., 16 Reade
- Sharlow Bros. & Co., 442 W 42d
- Simmons Hdwe. Co., 17 Battery pl
- Standard Scale & Supply Co., 145 Chambers
- Stephens & Conrow Co., 98 Park pl
- Stroh & Wilson, 420 W 42d
- STRONG MACHINERY & SUPPLY CO., 292-294 Church
  See adv index at end of book
- Terminal Mch. Co., 182 Centre
- Tracy Bros., 22 Howard
- Tracy Frank, 202 Centre
- Tufts Walter B., 94 John
- Urquhart's Jno. S. Son & Co., 131 Liberty
- Van Vechten & Son, 18 Warren
- Walworth Mfg. Co., 19 Cliff
- Washington Hardware Co., Inc., 257 Greenwich
- Weiss H. & Co., 83 John
- Williams Wm. E., 62 Front
- Williams & Wells Co., 253 Fulton
  See adv index at end of book
- Wilson J. & R., Yonus Lane
- Wilson O. C. & K. R., 78 Dey
- Wilson, W. S., Corp., 155 Chambers
- Woodhouse Mfg. Co., 64 W B'way
- Young Wm., 129 Av D

Borough of Queens.

LONG ISLAND CITY—Brodie Wm., 307 Jackson av
- Long Island Hardware Co., 349-351 Jackson av
- Petry Jno. W. Co., 87 Fifth

Borough of Richmond.

WEST NEW BRIGHTON—Staten Island Supply Co., 398 Bay

(End of New York City)

NIAGARA FALLS—Elderfield-Hartshorn Hardware Co.

NORTH TONAWANDA—American District Steam Co.
- Cramer Hdwe. Co.

OGDENSBURG—Hackett Patrick, Hardware Co.
- Ogdensburg Machine Co.

OLEAN—Luther Mfg. Co.

ONEIDA—Ruby Geo. H. Hardware Co.
- Smith J. R. & Son Co., 55 Phelps

ONEONTA—Gorham H. E.

OSWEGO—Crawford M. B. & Son
- Dings Chas. W.
- Oswego Tool Co.
- Parson J. S.

PEEKSKILL—Naylor Bros.
- Wessells W. F.

PLATTSBURG—Plattsburg Foundry & Machine Co.

POTSDAM—Leete Chas. H.

ROCHESTER—Chamberlain Rubber Co.
- Cook Iron Store Co.
- *Cross Bros. & Co.
- Ernst Louis & Sons
- Forster John M. Co.
- Haverstick & Co. (Also Mine & R. R.)
- McManus J. E., 15H Andrews
- Roby, S. B. Co.
- Strong Homer
- U. S. Rubber Co., 67 Mortimer
  See adv index at end of book
- Weed & Co., 13 Exchange
- Wilson Mill Supply Co., 177 Front

ROME—Jackson Charles H.
- Townsend's Jno. Sons
- Wardwell Hdw. Co.

SCHENECTADY—Witbeck, Clark Co.

SYRACUSE—Barnes & Irving Inc., 565 S. Clinton
- Bates Edw. P. Co. Inc.
- Betts Supply Co., 406 So Franklin
- Burns Bros.
- Burhans & Black (Inc.)
- Case W. A. & Son Mfg. Co.
- Clancy Hdwe. Co.
- Grants Alexander Sons
- McCarty Chas. C., 200 W Water
- Miller Equipment Co., 212H E Washington
- Roberts Tool & Supply Co., H, W Fayette
- Strong Homer
- *Syracuse Supply Co.
- Wood C. H. Company

TROY—*Barnum Bros. Co.
- Blanchard Fred K.
- Cady A. J.
- Horan Jas. J. & Co.
- Interstate Machinery Co.
- *Troy Belting & Supply Co.
- Warren J. M. & Co.

UTICA—Bowman Geo. A.
- Bates, Edward P. Co., Inc.
- Dent Matthew F. Co., 7 Blandina
- Despard, F. F.
- Kavanaugh, Geo. W.
- Lawton, W. M.
- Millar Chas. & Son Co.
- Munson Mill Machinery Co. (Grist Mill Supplies)
- Roberts Hdwe. Co.
- Smyth-Despard Co.
- Utica Heater Co.
- Utica Novelty & Mill Specialty Co.

WATERTOWN—Avery M. E. Co.
- Bradley Thos. H.
- Conde W. W. Hardware Co.
- Hunting Co.
- Kalbfleisch Supply Co.
- Kamargo Supply Co.
- Stebbins, Wm. C.
- Weekes John & Son Co.

YONKERS—Barr A. B. & Co.
- Twine H. L.

NORTH CAROLINA.

ASHEVILLE—Carolina Machinery Co.

CHARLOTTE—Alexander & Garsed
- Charlotte Supply Co.
- Cramer Stuart W.
- General Fire Extinguisher Co.
- Liddell Co.
- Mecklenburg Iron Works
- Parks-Cramer Co.
- Textile Mill Supply Co.

DURHAM—Durham Iron Works Co.

ELIZABETH CITY—Elizabeth City Iron Works & Supply Co.
- Jones D. M. Co.

GOLDSBORO—Dewey Bros.

GREENSBORO—Clymer L. M.
- Odell Hardware Co.
- Odell Mill Supply Co.

HENDERSON—O'Neil M. J.

HERTFORD—Hertford Hdwe. & Supply Co.

HIGH POINT—Beeson Hdwe. Co.

LENOIR—Bernhardt-Seagle Co.

NEWBERN—Hyman Supply Co.
- Newburn Iron Wks.

RAEFORD—Raeford Hdw. Co.

RALEIGH—Dillon Supply Co.
- Raleigh Iron Works Co.

WADESBORO—Blalock-Allen Hdwe. Co.

WASHINGTON—Harris Hdwe. Co.
- McKeel-Richardson Hdw. Co.

WILMINGTON—Hyman Supply Co.
- Standard Supply Co.

WINSTON-SALEM—Brown-Rogers Co.
- Crawford Mill Supply Co.
- Kester Machinery Co., Box 1251

NORTH DAKOTA.

FARGO—Crane Co., 636 Northern Pacific av *See adv index at end of book*
- Harrington Hubert

JAMESTOWN—Chenery & Co.

OHIO.

AKRON—*Akron Belting Co. (Belting Hose, etc)
- Goodyear Tire & Rubber Co.
- Hardware & Supply Co., 21-29 W Market
- Hardware & Supply Co., 475-535 S High
- Manufacturers Rubber & Supply Co.
- Mill & Mine Supply Co. (& Mine Supplies)

ALLIANCE—Allot Hardware Co.

ASHTABULA—Dudley W. E.
- McKinnon Iron Works Co.
- Mitchell Hdwe. Co.
- Paine-Ford Co.
- Smith Homer P.
- Topky Bros.

BARBERTON—Miller, W. F.

BUCYRUS—Carroll Fdry & Mach. Co.
- Fischer & Flohr

CAMBRIDGE—Branthoover & Johnston Co. (Also Mine)

CANTON—Canton Hardware Co., 1221 3rd N E
- Canton Supply Co., 201 Buckeye pl S W
- Carpenter C. N. Supply Co., 316 2nd S W
- Kennedy W. A. Hdwe Co., 229 Tuscarawas E
- Scioto Valley Supply Co.
- Yohe Wm. S. Supply Co.

CHILLICOTHE—Chillicothe Hdwe. Co.

CINCINNATI—*American Oak Leather Co., Kenner Dalton & McLean avs
- Asbestos Supply & Mfg. Co., 57 Main
- Atlas Rubber & Belting Co., 312 Walnut
- Blaesi C. W. Co., 3rd & Sycamore
- Boebinger Hdwe. & Supply Co., 315 E Pearl
- Broadway Mchy Co., 236 B'way
- Burr Oak Belting Co., 1103 York
- Devou V. N. Supply Co., 506 Central av
- Dodge Mfg. Co., 128 W 3d
- Doermann-Roehrer Co. (Also Mine Supplies), 318 E 3rd
- Eagle Counter & Leather Co., Hulbert & Freeman
- Economy Machinery Co. (Jno. H. Flynn, Prop.), 428 E Pearl
- Fairbanks Morse & Co., 4th & Central av
- Fewlass Leen Brass & Iron Co., 215 Pike
- Flynn Wm. H. Machy. Co., 404 E 2nd
- Johnston Wm. T. Co., 3d & Vine
- Kelly & Jones Co. The, 1008 Sycamore
  See adv index at end of book
- King Walter E., 1273 Michigan
- Kinsey E. A. Co., 331 W 4th
- Kramig R. E. & Co., 8th & Eggleston av
- LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly *See adv index at end of book*
- Mechanical Supplies Co., 220 E 3rd
- Merkel Bros. Co., Canal & Jackson
- Morris E. K. & Co., 317 W 2d
- Murdock Mfg. & Supply Co., 426 Plum
- Nichol Thos. J. & Co., Pearl & Ludlow
- Nuhring Chas. & Bro., 1212 Walnut
- Ohio Rubber Co., 228 W 7th
- Pickering Hardware Co., 5th c Main
- Queen City Supply Co., Pearl & Elm
- Regal Belting Co., 2520 Spring Grove av
- Richter Brass Co., 210 E 9th
- Scallan Supply Co., 121-3 W 3rd
- Straub Machinery Co., 1230 Knowlton
- Uihlein Julius & Co., 208-14 Elm
- Vulcan Supply Co. (Also Mine, R. R., etc), 120 Sycamore
- Wirthlin-Mann Co. (Also Mine), Plum & Commerce

CLEVELAND—Allied Rubber & Mica Co., 1430 W 3rd av
- Biggs-Watterson Co., 1237 W 9th
- Bingham W. Co., 1278 W 9th
- Bliss Supply Co., 1277 W 9th
- Buckeye Belting & Supply Co., 1560 W 3rd
- Clark Machinery Co., 1235 St. Clair
- Cleveland Tool & Supply Co., 1427 W 6th
- Consumers' Rubber Co. (Rubber, etc), 1302 Ontario
- Cooperative Mchy. Co., 1227 W 9th
- Cray Bros., 1111 W 11
- Dennison A. D. & Co., 1020 Superior
- Duplex Mchy. Co., 1224 W 6th
- Fairbanks, Morse & Co., 1354 W 9th
- Forest City Rubber Co., 1276 Ontario av
- Freyman's Tool Co., 309 Prospect av
- Garlock Packing Co., Engineers' bldg
- Hayes Equipment Co., National bldg
- Ingraham Waste & Supply Co., 1240 W 4th
- Jacobson Supply Co., 18222 Oakview rd
- Luetkemeyer Co., 725 Superior av, N W
- Manning, Maxwell & Moore, Inc., Leader News bldg
  See adv index at end of book
- Mau-Sherwood Supply Co., 1616 W 3rd
- Morton-Petitt Co., 3951 St. Clair
- Motch & Merryweather Mchy. Co., 711 Lakeside av, N W
- Ohio Rubber Co., 725 St. Clair av, N E
- Ohio Supply Co., 226 Superior rd N W
- Pattison W. M. Supply Co., 777 Rockwell av
- Philpott Rubber Co., 1408 W 3d
- Rubber Sundries Co., 1387 W 9th
- Standard Sanitary Co., 4409 Euclid av
- Strong, Carlisle & Hammond Co., 336-344 Frankfort av, N W
- Union Engng Co., Cuyahoga & W 4th
- White Tool & Supply Co., 1313 W 6th N W
- Worthington Geo. Co., 802-832 St. Clair av, N W

COLUMBIANA—Enterprise Co. (Sawmill)

COLUMBUS—Columbus Belting & Supply Co., 195 H. E. Long
- Columbus Mill & Mine Supply Co. (Also Mine), 75 N Front
- Columbus Supply Co., 37 W Spring
- Franklin Bldrs. Supply & Coal Co., 400 W Broad
- Osborne & Sexton Machinery Co., 4th & Russell
- Plumbers' & Factory Supply Co., 33 E Spring
- Ross-Willoughby Co., 178 N 3rd
- Sackett Mine Supply Co. (Also Mine Supplies), 164 N 3d
- Scioto Valley Supply Co. (Also Mine) Gay & Front
- Smith Bros. Hdw. Co., 38 W Chestnut
- Tallmadge Hardware Co., 147 N High
- Westwater Supply Co. (Also Mine), 150 N 3rd

CONNEAUT—Mitchell Hardware Co.

COSHOCTON—Keagy & Lear Machine Co. (Also Mine)

DAYTON—Dayton Iron & Steel Co.
- Patterson Tool & Supply Co.

EAST LIVERPOOL—Milligan Hardware & Supply Co.

ELYRIA — Elyria Belting & Machinery Co.

FINDLAY—Buckeye Hdwe. Co.
- Ohio Pipe Co.
- Went C. H.

FREMONT—Winters Hdwe. Co.

GENEVA—Harley Bros.

HAMILTON—Hamilton Supply Co.
IRONTON—Central Hardware & Harness Co. (Belting, etc)
KENTON—Cantwell Hardware Co.
LANCASTER—Martens Hdwe. Co.
LIMA—Good Tool & Supply Co.
Jones Hardware Co.
MANSFIELD—Hughes Supply Co.
MARIETTA—Buckeye Supply Co.
Frick & Lindsay Co.
Producers Supply & Tool Co.
Seyler Hardware Co.
MARION—Haberman Hdwe. Co.
Oil Well Supply Co.
MILAN—Curtis Machine Co.
NEWARK—Universal Supply Co.
NEW PHILADELPHIA — Sharp Mfg. & Supply Co.
NORWALK—Gfell John H. & Co.
PIQUA—Angle Hardware Co.
Woodcox I. N. & Son
PORTSMOUTH—Hibbs Hardware Co.
Portsmouth Supply Co.
Standard Supply Co.
ST. MARYS—Jasperson Supply Co.
SALEM—Salem Hardware Co.
SANDUSKY—Rinkleff Geo. M.
SPRINGFIELD—Burton G. F. Co.
Lane, T. J. Equipment Co.
Ross-Willoughby Co.
Springfield Hdw. Co.
Vulcan Hardware Co.
STEUBENVILLE—Petroleum Supply Co.
Steubenville Hdwe. & Supply Co.
Thomas & Co.
TIFFIN—Crobaugh & Dahm H'dware Co.
TOLEDO—Auburndale Hardware Co.
Bostwick-Braun Co.
Hardy & Dischinger Co.
National Supply Co.
Ohio Plumbers' Supply Co.
Shaw Kendall Engng. Co.
Standard Sanitary Mfg. Co.
Stollberg Hardware & Paint Co.
Toledo Belting Co.
Toledo Hardware & Supply Co., 201-3 Vance
Toledo Rubber Co.
Toledo Saw & Supply Co.
Union Supply Co.
United States Rubber Co.
Wilcox M. I. Co.
UPPER SANDUSKY—Beidler F.
WARREN—Park Hdwe. Co.
Warren Hdwe. Co.
XENIA—Bocklett-King Co.
YOUNGSTOWN — Stambaugh Thompson Co.
Wilkins-Leonard Hardware Co.
ZANESVILLE—Clossman Hardware Co.
Rockel Co.

OKLAHOMA.

BARTLESVILLE—Atlas Supply Co.
Bartlesville Supply Co.
Jarecki Mfg. Co.
Oil Well Supply Co.
CLEVELAND—Jarecki Mfg. Co.
Oil Well Supply Co.
U. S. Supply Co.
CLINTON—Welch Wholesale Hardware Co.
COMMERCE—Joplin Supply Co.
Quapaw Supply Co.
CUSHING—Oil Well Supply Co.
DRUMRIGHT—Continental Supply Co.
Frick-Reid Supply Co.
Jarecki Mfg. Co.
Oklahoma Tool & Supply Co.
EL RENO—El Reno Foundry & Machine Co.
ENID—Young J. A. Machine & Supply Co.
McALESTER—Russell Hdwe. Co.
Union Iron Works
MUSKOGEE—Atlas Supply Co.
NOWATA—Nowata Hardware & Supply Co.
OKLAHOMA—Mideka Supply Co.
Boardman Co.
Corken Mchy. & Supply Co.
Mideke Supply Co.
Richards & Conover Hdwe. Co.
Sherman N. S. Machinery & Iron Wks.
Sherman N. S. Mchy. & Iron Co.
OKMULGEE—Oklahoma Tool & Supply Co.
PURCELL—Beringer Hardware Co.
SAPULPA—Bovaird Supply Co.
TAR RIVER—Joplin Supply Co.
TULSA—Bovaird Supply Co.
Hope Engng. Supply Co., 630 Mayo bl
Oil Well Supply Co.
Oklahoma Iron Works
Wait A. L.

OREGON.

ALBANY—Albany Iron Wks.
ASTORIA—Beebe Co.
BAKER—Basche-Sage Hardware Co.
EUGENE—Oregon Machinery Co.
GRANTS PASS—Grants Pass Hardware Co. (Also Mine)
Rogue River Hardware Co.
Woodin P. S.
PORTLAND—Atkins E. C. & Co., 75 1st
Avery & Co., 48 3rd
Barde M. & Sons Steel & Mach. Co., 240 Front
Beebe Co.
Clyde Equipment Co., 555 Thurman
Coast Steel & Machinery Co., 50 1st
Crane Co., 160 14th N
See adv index at end of book
General Rubber & Supply Co., 41 1st
Goodyear Rubber Co., 67 4th
Hammond Mfg. Co. (Also Mine), Kamm bldg
Honeyman Hdwe. Co., 9th & Hoyt
Jacobsen-Munro Co., 1 N Front
*Jones & Bruening Inc., 27 2d
Kline M. L. Co., 80 Front
Long A. G. Co., Inc., 249 N 16th
Manning Packing Co., 49 1st
Marshall Wells Hardware Co. (Also Mine), 15th & Lovejoy
Meese & Gottfried Co., 67 Front
Mitcheell Lewis & Stavoi Co., 330 E Morrison
Munnell & Sherrell, 94 1st
Northwestern Hdwe. & Steel Co., 48 N 14th
Ohlen-Bishop Co., 291 E Morrison
Pacific Asbestos & Supply Co., 315 Front
Pacific Machinery & Tool Steel Co., 44 1st
Pacific States Rubber Co., 51 1st
Peerless Pacific Co., 2nd & Stark
Portland Iron Works, 14th & Northrup
Portland Machinery Co., 62-66½ 1st
Portland Marine Supply Co.
Ross J. J. Mill Furnishing Co. (Flour Feed and Cereal Mill; Also Grain Elevator Equipments)
Sharp H. W., 68 1st
Simonds Saw & Steel Co.
Smith & Woodbury Co., 70 1st
Stewart Bros. Co.
Stewart Machy. Co., 13th & Raleigh
U. S. Rubber Co. of Cal., 111 N 6th
Webster - Brinkley Co., Lumbermens bldg
West Geo. C., 83 1st
Zimmerman-Wells-Brown Co., 76 1st

PENNSYLVANIA.

ALLENTOWN—Albright Son & Co., 128 N Front
Allentown Reed, Harness & Mill Supply Co., 387 Jordam
Bonney Forge & Tool Works, Tighman
Grammes L. F. & Sons, 311 Union
See adv index at end of book
Hersh F. Hardware Co.
Schelly C. Y. & Bro., 32 N. 7th
Taylor William H. & Co.
Young M. S. & Co.
ALTOONA—Altoona Pipe & Supply Co.
Stevens-Webb Co. Inc.
ASHLAND—Buck Peter E. & Sons (Also Mine)
BEAVER FALLS—Beaver Valley Mill Supply Co.
Brierly Frank F. & Sons
Davidson Hdwe Co., Dept. H, Beaver Falls, Pa.
Palmer Henry S. Supply Co.
Pettler P. & Son
BELLEFONTE—Potter-Hoy Hdwe. Co.
BETHLEHEM—Krause J. S, Hdwe. Co.
BRADFORD—Bovaird & Co.
Bradford Supply Co.
Emery Hardware Co.
Oil Well Supply Co.
BRIDGEPORT—Diamond State Fibre Co., Dept. 37
See adv index at end of book
BUTLER—Campbell J. G. & W.
Keystone Pipe & Supply Co.
Oil Well Supply Co.
Spang & Co.
CHESTER—Galey Hardware Co.
Harper Mfg. Co.
Howland Wm. O.
Riley Benj. F.
CHICORA—Johnson C. H.
CLEARFIELD—Clearfield Machine Shops
Clearfield Hdwe Co.
Dufton Hardware Co.
Powell Wm. F.
COATESVILLE—Pownall Hardware Co.
CONNELLSVILLE—Connellsville Mfg. & Mine Supply Co.
CORRY—Barlow Hardware Co.
DUBOIS—Dubois Iron Works (Also Mine)
Hibner-Hoover Hdwe Co.
Osborn Machine Co.
EASTON—Crowder H. N., Jr., Co.
General Supply Co.
Losey & Co., Inc.
Serfas Lumber Co. (Lumber only), Drake bldg
TYDEMAN W. A., INC., 129 Ferry
EAST STROUDSBURG — International Boiler Wks. Co.
ERIE—Erie Mfg. & Supply Co.
Jarecki Mfg. Co.
Mill Supply Co. of Erie
Palace Hardware House, 913 State
Standard Sanitary Mfg. Co.
Weller H. P. Supply Co.
FRANKLIN—Oil Well Supply Co.
Producers' Supply Co.
GREENSBURG—Kelly & Jones Co. The
See adv index at end of book
HARRISBURG—Appleby Bros. & Whitaker Co.
Gilbert H. & Son, 400 S 2nd
Mather E. Co.
HAZLETON—Hazleton Hdwe Co.
Hazleton Machinery & Supply Co. (Also Mine)
Woodring Jeremiah & Co. (Also Mine)
HUNTINGTON—Miller C. H. Hardware Co.
JOHNSTOWN—Swank Hardware Co.
KANE—Kane Supply Co.
Oil Well Supply Co.
KINGSTON—Roat A. J. Supply Co. (Also Mine)
LANCASTER—Cummings, Bevis & Levan
Herr & Co.
Raub Supply Co.
Reilly Bros. & Raub
Steinman Hdw. Co.
LATTIMER MINES—Lattimer Supply & Mchy Co.
LEBANON—Krause Geo. Hardware Co.
Lebanon Engineering & Supply Co.
MEADVILLE—Gill D. A.
Rhodes I. M. & Co.
MILTON—Buoy John Y. Co.
NEW BETHLEHEM—Anderson Hdwe Co.
NEW CASTLE—Dickson & Co.
Kirk Hutton & Co.
Smith C. E. Hardware Co.
NORRISTOWN—Quillman Benjamin Hdw. Co.
OIL CITY—Logan Robert
Oil Well Supply Co.
United Hdwe & Supply Co.
OSCEOLA MILLS—Stine S. B. (Mine)
PARKERS LANDING—Schenck Mfg. Co.
PATTON—Central Hdwe & Supply Co. (Also Mine)
PEN ARGYL—Correll R. S. (Also Mining)
PHILADELPHIA — Annear Wm., 511 N Holly
Belfield H. Co. 435 N Broad
Billington Jas. H. Co., 113 Chestnut
*Billington Jas. H. Co. (Textile Mach.), 113 Chestnut
Bond Chas. Co., 617-619 Arch
Brogan & Co., 810 Race
Casanave Supply Co. (Mine), 1933 Market
Consolidated Belting Co., Gtn & Berkly
Crane Co., 245 Master
See adv index at end of book
Crozier R. J. Co. (R.R. Mill & Mine), 10 S 18th
Devitt Paul J., 1101 S 2nd
Diamond Textile Machine Works, Harrison bldg
Dodge Mfg. Co., 217 Race
Drake Clifton B., 23H N 10th
Etsweiler Wm. (Leather, etc), 230 N 3d
FABREEKA BELTING CO., (Local Sales Office and Stock Room), 514 Arch
See adv index at end of book
Fairbank Co., 701 Arch
Fifer & Beatty, Front st & Lehigh av
Ford & Kendig Co., 1423H Callowhill
Gold Walter C., 235 Race
Graton & Knight Mfg. Co., 132 N 3d
See adv index at end of book
Haines, Jones & Cadbury Co., 1136 Ridge av
Hartman Co., 1231 N Front
Hodson G. & A., 226 Arch
Hogan & Donnelly, 319 Vine
*Houghton E. F. & Co. ("Vim," "Houghton" Oak), 240 W Somerset
Hunter & Dickson Co., 15 Washington av
Industrial Requirements Co., 2544 Germantown
Industrial Supply & Equipment Co., 407 Sansom
Jenkins Bros., 133 N 7th
See adv index at end of book
Keep Bros., 225 Sansom
Kessel Henry A. Co., 12 N Delaware
Keystone Supply & Mfg. Co., 917 N 9th
Koons E. W. & Co. 911 Filbert
Kinkerter & Sheppard Co., 4669 Frankford
*Ladew Edw. R. Co. (Est. of), 3rd & Cherry
Latimer R. L. & Co., 24 N Front
Levick's Richard Son & Co. (Rubber Belting, Hose, Packing, etc), 720 Chestnut
Lewis Steam Specialty & Valve Co., 5000 Parkside
Maddock & Co., 40 N 6th
*Main Belting Co., 1219 Carpenter
Maneely John, 247 N 12th
Manning, Maxwell & Moore, Fox bldg
See adv index at end of book
Manufacturers' Supplies Co., Juniper & Cherry
Mitchell F. A., 20th & Callowhill
Mitchell W. K. & Co. Inc., 2940 Ellsworth
Murta-Appleton & Co., 12th & Sansom
Nast D. Mchy Co., Bourse
Naumann Hdw. & Supply Co., 4324 Gtn av
O'Brien Mchy Co., 119 N 3rd
Pancoast Henry B. Co., 950 N Front
Paulus Jos. C. & Co., 2507 Potter
Pechin Belting Co., Orchard & Torsdle
Penn Engng. Co., 312 Cherry
Pa. Foundry Supply Co., Liberty bldg
Phila. Ship Supply Co., Passyunk & Wolf
Phila. Steam Heating Co., 3318 Lanchester
Potts Horace T. & Co., 316 W 3d
Powell Clouds & Co, 602 Arch
Powell, Clouds & Co. (Tools & Supplies), 602 Arch
Quaker City Rubber Co. (A full line; also Mfrs. of Packing), 672 Market
See adv index at end of book
Rainear C. J. & Co., 518 Arch
Restein Clement Co., 129 N 2d
Richards E. W. & Co., 2029 Frankford

(Continued on following page)

Mill & Factory Supplies—Continued

PENNSYLVANIA—PHILADELPHIA—Continued
- Sachs Wm. A., Germantown av & Girard
- Sanson & Rowlands, 505 Commerce
- Savill's Thos. Sons, 1310 Wallace
- Schade Valve Mfg. Co., 2528 N American
- *Schieren Chas. A. Co., 157 N 4th
- Shannon J. B. Hdw. Co., 816 Chestnut
- Sherritt & Stoer Co., Inc., 2006 Market
- Shipley W. E. Mchy Co., Morris bldg
- Shultz Belting Co., 149 N 4th
- Smith Jas. & Co., Harrison bldg
- Spaulding & Metcalf, 532 Arch
- Standard Supply & Equipment Co. (Also Mine), 1712 Market
- Swind Mchy Co., Widener bldg
- Toomey Frank, 127 N 3rd
- Vandyck Churchill Co., Widener bldg
- Watt Francis & Co., 149 S Front
- Webb E. & Sons Co., 136 S Front
- Winterer Herman L., 908 Beach
- Wolfenden Daniel (Textile), 48 N Front

PHILLIPSBURG—Gill Mfg. Co. (Mine)

PHOENIXVILLE—Benjamin Hdwe Co.

PITTSBURGH—Armstrong, Wolfe & Zimmerman (Mine), 1st av & Market
- Bailey Farrell Mfg. Co., S 20th & Sidney
- Bassett Rose Supply Co., 111 Market
- Best Co., Arrott bldg
- Biddle Purchasing Co., 546 2d av
- Bowman Supply & Mfg. Co., Inc., 890 Main
- Briggs Machy. Co., 124-6-8 2nd av
- Brown & Zortman Machy. Co., 325 Second av
- Carlin John H. Machine Co., 107H Lacock
- Carter R. K. & Co., 1304-6 Commonwealth bldg
- Chandler-Boyd Supply Co., 47 Terminal Way
- Childs H. L. & Co. (Also Mine), 249 Water
- Colonial Supply Co. (Also Mine), 414 1st av *See adv index at end of book*
- Contractors' Mchy & Supply Co., Wabash bldg
- Demmler Bros. Co., 109 Ross
- Dodge Mfg. Co., 337 2d av
- Fairbanks, Morse & Co., 427 Alice
- Foster-Songer Co., Park bldg
- FRICK & LINDSAY CO. (Also Mine Dealers), Sandusky & Robinson *See adv index at end of book*
- Garlock Packing Co., 100 Smithfield
- Garrity Ralph E. Co., 607H Wabash bldg.
- Green L. A., First Natl Bk bldg
- *Hartley-Rose Belting Co., 425 1st av
- Heeren, Bras & Co., Penn & 8th
- Hukill, Hunter Co., 35 Terminal Way
- Industrial Supply Co., Jenkins Arcade bldg
- Jarecki Mfg. Co., 311 First
- Johnston Morehouse & Dickey Co., 106H Market
- Kelly & Jones Co. The, 135 Water *See adv index at end of book*
- Kirk Supply Co., Farmers' Bank bldg
- Laughlin & Barney, Union Arcade
- Lindsay J. C. Hardware Co., 12 8th
- Logan-Gregg Hdw. Co., 121 9th
- McCormick J. S. Co., 25th & A. V. R. R.
- McDowell & Co., Galveston & Western
- McKenna Brass & Mfg. Co., 1st & Ross
- McKnight Samuel Hdwe Co., 225 Federal
- Machinists Supply Co., 325H 2nd av.
- Miller J. S. Mchy Co., 3 Wood
- Mine Safety Appliances Co., 909 Chamber of Commerce bldg.
- National Supply Co., Union Bk bldg
- Obermayer S. Co., 2835 Smallman
- Oil Well Supply Co. (Also Mine), 215 Water
- Penn Equipment Co. (Also Mine), Park bldg
- Penn Mill & Mine Supply Co., 523 1st av
- Phillips Mine & Mill Sup. Co., 2227 Jane
- Pittsburgh Gage & Supply Co. (Also Mine), 30th & Liberty av
- Pittsburgh Mchy & Equipment Co., Fulton bldg
- Pittsburgh Mch & Supply Co., 242 3rd
- Pittsburgh Piping & Equipment Co., 35th & Charlotte
- Pittsburgh Supply Co.
- Reineke-Wagner Pump & Supply Co., 416 First av
- Republic Supply Co., 123 Water
- Ross I Hardware & Plumbing Supply Co., 1810 Carson
- Ross Mechanical Supply Co., 2 Ross
- Somers, Fitler & Todd Co., 325 Water
- Speck, Marshall Co., 314 2d av
- Stamets Wm. K., Jenkins Arcade
- Standard Sanitary Mfg. Co. Bessemer bldg
- Standard Scale & Supply Co., 1631 Liberty av
- Standard Supply & Equip. Co. (Also Mine), 1207 Liberty av
- Tranter Mfg. Co., 105 Water
- Turner Chas. A. (Mill, Mine & Railroad Supplies), 3d av & Chancery
- U. S. Rubber Co., 110 7th *See adv index at end of book*
- Weber & Litten (Mfrs. Agents), Mfrs bldg
- Woodwell Jos. Co., 207 Wood

PLYMOUTH—Shawnee Supply Co.

POTTSTOWN—Fegely J. & Son

POTTSVILLE—Bright George Hardware Co.
- Pottsville Supply Co. (Principally Mine)
- Thompson Lewis C. Co.

PUNXSUTAWNEY—Punxsutawney Fdry. & Machine Co.

READING—Bard Hdwe. Co. (Factory Only), 800 Penn
- Berks Engineering Co.
- Bright & Co.
- Gretch Mch. Wks.
- Reading Engineering Wks., 116 Washington
- Reading Heater & Supply Co.
- Tragle Mfg. Co.
- Worley Hardware Co.

REYNOLDSVILLE—Herpel Bros.

RIDGWAY—Ridgway Mfg. Co.

ROUSEVILLE—Rouseville Supply Co.

SCRANTON — BITTENBENDER CO. (Mine), 126 Franklin av
- Case W. A. & Son Mfg. Co., 418 N 9th av
- Gaylord & Butler Co., Wyo. av & Gib.
- Maloney Oil & Mfg. Co.
- Potter L. B. & Co. (Also Mine), 424 6th av
- Scott Chas. B. Co., 119 Franklin av
- *Scranton Supply & Mach'y Co. (Also Mine)

SHAMOKIN—Hack W. C. Sons
- Jones Hardware Co. (Also Mine)

SHARON—Fruit-Ohl Co. (Also Foundry & Blast Furnace Supplies)

SOMERSET—Schell P. A. & Co.

SUNBURY—Sunbury Supply Co.

TITUSVILLE—Kernochan & Co.
- United Hardware & Supply Co.

TUNKHANNOCK—Billings Paul & Sons

UNIONTOWN—Uniontown Hdw. & Supply Co. (Also Mine)

WARREN—Bradford Supply Co.
- Pickett Hdw. Co.

WEST NEWTON—Fisher Mine Equipment Co.

WILKES-BARRE—Eastern Penna. Supply Co.
- Huntington Mchy. & Supply Co.
- Lewis & Bennett Hardware Co.

WILLIAMSPORT—Keeler E. Co., 238 West
- Kline & Co. (Also Mine)
- National Foundry Mfg. & Supply Co.

YORK—Duff William E. Co.
- Fulton Mehring & Hauser Co., 116 S George
- Mehring H. B. & Co.
- Motter's Geo. F. Sons
- Small P. A. & S. Co.

RHODE ISLAND.

CENTRAL FALLS—American Supply Co.

EAST PROVIDENCE—Humes Mfg. Co.

PAWTUCKET—Blackstone Reed & Harness Co., 41 Bayley
- Easton & Burnham Machine Co., Pine
- Edmands Arthur B. Co., Slater av
- Jackson Samuel Co.
- Narragansett Mch. Co.
- Thornley Supply Co.
- Toole W. K. Co., 180 Main

PROVIDENCE—Allen & Reed, 178 Dorrance
- *American Supply Co., 135 Washington
- B. & H. Supply Co., 115 Mathewson
- Barker, Chadsey & Co., 38 Westminster
- Brown Bros. Co., 62 Exchange pl
- Brownell Mchy. Co., 11 Eddy
- Chase F. A. & Co., 253 W Exchange
- Church, E. C. Co., 5 Eddy
- Cole John W., Grosvenor bldg
- Conlin J. C., 361 Washington
- Eddy E. A. Mchy. Co., 211 Eddy
- Fairbanks Co., 86 Ship
- Gilbert Mill Supply Co., 50 Exchange pl
- Grinnell Co., Inc., 275 W Exchange
- Hope Mill Supply Co., 18 Page
- Hope Rubber Co., 97 Westminster
- Jager Chas. J. Co.
- Parkinson Edward Mfg. Co., 84 Sprague
- Providence Mill Supply Co., 68 W Exchange
- Rhode Island Supply & Sprinkler Co., 156 W Exchange
- Spencer Wilton H., 274 Washington
- Standard Mill Supply Co., 39 Exchange pl
- Talcott W. O. & M. W., 91 Sabin
- Taylor Chas. F., 57 Weybosset
- Tierney James E., 131 Washington
- U. S. Oil & Supply Co., 20 Aborn

WOONSOCKET—Darling C. H.
- Farnum J. B. Co.
- Getchell Seth S. & Son
- Mailloux J. C. & Sons Co.
- Shambow Shuttle Co.
- Woonsocket Machine & Press Co.
- Woonsocket Supply Co.

SOUTH CAROLINA.

ANDERSON—Anderson Hdwe. Co.
- Sullivan Hdwe. Co.

BEAUFORT—Christensen N. & Sons

CHARLESTON—Bailey-Lebby Co.
- Bird W. M. & Co.
- Cameron & Barkley Co.
- Charleston Dry Dock & Machine Co.
- Franke C. D. & Co.
- Luden J. J. W. & Co.

COLUMBIA—Columbia Supply Co.
- Gibbes Machinery Co.
- Lorick Bros.
- Lorick & Lowrance
- Southern States Supply Co.

GEORGETOWN—Kaminski Hardware Co.

GREENVILLE—Carolina Supplyy Co.
- Greenville Textile Supply Co.
- Poe Hardware & Supply Co.

HARTSVILLE—Hartsville Supply Co.

SPARTANSBURG—Montgomery & Crawford
- Palmetto Hdwe. & Supply Co.

SUMTER—Sumter Railway & Mill Supply Co.

WOODRUFF—Westmoreland W. B. Co.

SOUTH DAKOTA.

ABERDEEN—Crane Co., 324 Railroad av S E *See adv index at end of book*

RAPID CITY—Duhamel Co.
- Sweeney Tom Hardware Co.

SIOUX FALLS—Dakota Iron Store
- Dempster Mill Mfg. Co.
- Plumbing Supply Co.

TENNESSEE.

BRISTOL—Interstate Hdwe. & Supply Co.
- Mitchell-Powers Hdwe. Co. (Also Mine)

CHATTANOOGA—Cantrell Fred Co. Inc., 607 Market
- Chattanooga Saw Works, 1512 William
- De Loach Mill Mfg. Co.
- James Supply Co.
- Mills & Lupton Supply Co. (Also Mine), 1146 Market
- Rogers-Bailey Hardware Co.
- Vance John C. Iron & Steel Co., 1108 Carter
- Wheland Co.

CLARKSVILLE—Elder-Conroy Hdw. Co.

CLEVELAND—Cleveland Machinery & Supply Co.

COVINGTON—Walker M. A. & Co.

HARRIMAN—Harriman Fdy. & Mach. Wks. (Mine)

JACKSON—Gooch-Edenton Hardware Co.
- Southern Engine & Boiler Mfg. Co.

JELLICO — McComb Supply Co. (Also Mine)

JOHNSON CITY—Summers Hdw. Co.

KNOXVILLE—Crane Co., 521 W Jackson av *See adv index at end of book*
- House-Hasson Hardware Co. Asylum (Also Mine)
- McClung C. M. & Co.
- Savage W. J. Co. (Also Mine)
- Tennessee Mill & Mine Supply Co.

MEMPHIS—Atkins E. C. & Co., 477 S Main
- Browne & Borum Co., 409 Madison
- Chickasaw Mch. & Fdry Co., 298 N 2nd
- Crane Co., 254 Court av *See adv index at end of book*
- Ellis Wm. C. & Sons Iron Works, 245 S Front
- Memphis Mch. Wks.
- Nelson N. O. Mfg. Co., 435 Madison
- Pidgeon-Thomas Iron Co. (Railroads, etc)
- *Reed & Duecker
- Riechman-Crosby Co.
- Standard Sanitary Mfg. Co.
- Stratton-Warren Hdwe Co. (Also Railroad)
- Towner & Co., 79 S 2nd

NASHVILLE—Bouchard John & Sons Co., 1024 Harrison
- Case W. A. & Son Mfg. Co.
- Dale John P. Machinery Co.
- Keith, Simmons & Co.
- Nashville Machine Co.
- Norton, North & Co., 103 Third av N

TULLAHOMA—Lawson T. D.

TEXAS.

AUSTIN—Gossard A. R.
- Heirman John & Son

BEAUMONT—Beaumont Iron Wks. Co.
- Norvell-Wilder Hdwe. Co.
- Oil Well Supply Co.
- Texas Supply Co.
- Wilson E. L. Hdwe. Co.

BROWNSVILLE—Valley Plumbing & Supply Co.

CORPUS CHRISTI—Caldwell E. H. & Son
- San Antonio Mch. & Supply Co.

CORSICANA—American Well & Prospecting Co.
- Oil City Iron Works
- Oil Well Supply Co.

CUERO—Runge H. & Co.

DALLAS—Briggs-Weaver Machinery Co.
- Continental Gin Co.
- Fairbanks, Morse & Co.
- Murray Co.
- Standard Sanitary Mfg. Co.

DENISON—Hall-Leeper Hardware Co.

EL PASO—El Paso Foundry & Machine Co. (Also Mine)
- Krakauer Zork & Moye's Successors (Also Mine)
- Mine & Smelter Supply Co.
- Momsen-Dunnegan-Ryan Co.

FORT WORTH—Axtell Co.
- Ft. Worth Well Mchy. & Supply Co.
- National Supply Co. of Texas
- Southern Trading Co.
- Standard Sanitary Mfg. Co.
- Texas Heavy Hdwe. Co.
- Texas Mfg. Co.
- Wagner Supply Co., Dept. H.

(Continued on page 1562)

FRICK & LINDSAY COMPANY

Sandusky and Robinson Streets North Side, Pittsburgh, Pa.

Manufacturers' Distributors and Dealers

in

Supplies, Equipment and Tools

for

Mines, Mills, Factories, Contractors, Railroad, Oil and Gas Wells and Pipe Lines

Oil Country Stores Located at Following Points:

Ashland, Ky.
Clarksburg, W, Va.
Bowling Green, Ky.
Junction City, Ohio
Winchester, Ky.
Pittsburgh, Pa.
Marietta, Ohio
Bradford, Pa.
Fort Recovery, Ohio

INDEX OF GOODS CARRIED IN STOCK—FRICK & LINDSAY CO., PITTSBURGH

Adzes
Anemometers
Anvils
Augers
Awls
Axes
Babbitt Metal
Bars—Steel, Crow, etc.
Batteries—Dry
Bellows—Foundry
Belting
Benders—Rail
Bibbs—Compression
Binders—Load
Bits—Auger, Mining Mach.
Blocks—Chain, Tackle
Blowers—Forge and Pressure
Board—Asbestos, Friction
Boilers
Bolts—Mach., Carriage and Track
Borers—Bunghole
Boxes—Mining Mach. Bit
Braces
Brooms
Brushes
Buckets
Burners
Cabinet—First Aid
Cans—Ash, Waste
Cards—File
Carriers—Oil
Casing—Line Pipe and Tubing
Cement—Smooth-on
Chain
Chalk
Charts—Recording
Checks—Brass
Chippers—Bit
Chisels
Chucks
Clamps
Cleaners—Flue
Clippers—Bolt and Nut
Clips—Wire Rope
Cloth—Brattice, Emery
Cocks
Collars—Mule
Come-a-Longs
Compounds—Boiler
Conveying Chain, J. D. Chain Attachments
Cord—Asbestos, Sash, Sisal and Telegraph
Cordage—Manilla
Cotters—Spring
Couplings—Shaft, Pipe, Hose
Crayon—Talc, Wax, Metal
Cups—Grease
Cutters—Pipe, Gauge Glass, Wire
Diggers—Post Hole
Discs—Valve
Dollies—Timber
Dressers—Emery Wheel
Dressing—Belt
Drilling Attachment
Drills—Twist, Post
Drivers—Screw
Ejectors—Engines, Steam and Gas
Expanders—Boiler Tube
Expansion Shield
Extinguishers
Extractors—Rivet
Faucets—Oil, Wagon, Tank
Figures—Steel
Files
Fillers—Oil Can
Fittings—Pipe
Flatters
Forges
Forks—Coal, Stone
Frames—Hack Saw
Fullers
Gates—Oil
Gauge—Electric
Gauges—Steam, Water, Track
Generators—Turbo
Glasses—Oil Cup
Globes—Lantern
Gloves—Canvas
Gongs—Steel Trip
Gouges
Governors
Graphite
Grease
Grindstones
Hammers
Handles
Hardies
Hasps & Staples
Hatchets
Heads—Coke Scraper
Hinges
Hoes
Holders—Tool
Hooks—Cant, Peavy
Hose—Water, Steam, Metal
Injectors
Inspirators
Insulators—Porcelain
Iron—Bar, Norway
Irons—Rig
Jacks
Joints—Expansion
Keys—Valve, Cock
Knives—Draw
Lace—Belt
Lacers—Clipper Bolt
Ladles
Lamps—Miners' Carbide
Lanterns
Latches—Night
Lead—Pig
Leather—Harness, Lace
Letters—Steel
Levels
Lines—Chalk
Links—Keystone
Locks—Pad, Rim Knob
Lubricant—Wire Rope
Lubricators
Mandrels—Blacksmith
Mattocks
Maul—Spike
Mixers—Gas
Nails—Wire, Horse Shoe, Cement Coated
Nippers—Horse Shoers
Nipples
Nozzles—Hose
Nuts
Oakum
Oilers
Packing
Paper—Sand, Tar
Parers—Horse Shoers
Paste—Soldering
Pinchers—Horse Shoers
Pins—Drift
Pipe
Pliers
Plugs—Fusible
Post—Drilling
Pots—Tallow, Melting
Pullers—Nail, Gauge Glass
Pulleys—Pressed Steel, High and Low
Pumps—Suction, Force, Pressure Water
Punches—Belt, Blacksmith, Screw
Pushers—Car
Rags—Wiping
Rakes—Road, Asphalt
Rasps
Ratchets
Reamers
Respirators
Rings—Stuffing Box
Rippers
Rivet Sets
Rivets—Belt, Iron
Rods—Welding, Pull Sucker
Rollers—Wood
Roofing—Prepared Roll
Rope—Manilla, Wire
Rules
Saddles—Pipe
Salamanders
Salts—Soldering
Saw Sets
Saws—Hand, Hack, Cross Cut
Scrapers—Drag, Flue
Screw Plates
Screws—Cap, Lag Set, Hollow Set
Shackles
Shafting
Sheaves—Wire Rope
Shoes—Horse and Mule
Shovels
Sledges
Sleeves—Drill
Snips—Tinners
Sockets—Drill
Sockets—Wire Rope
Solder
Spades
Spelter
Spikes—Railroad, Marlin, Wire
Spoons—Telegraph
Squares—Steel Carpenters'
Steel—Bars, Angle Tool
Stocks and Dies
Stoves
Strapping—Box
Straps—Pipe
Stretchers
Swages
Swedges
Swivels
Syphon—Steam Gauge
Tampers
Tanks—Oil, Pump, Steel and Wooden
Tape—Insulating, Friction
Tapes with Cases—Measuring
Taps—Mach. Hand, Pipe
Tempering
Thermometers
Thimbles—Rope
Tongs
Tools—Packing, Beading
Torches—Blow, Pyramid
Transmission—Pulleys, Hangers, Shafting, Couplings, Belting, Chain
Trolleys—I Beam
Trucks—Warehouse
Turbo Elec. Generators
Turnbuckles
Tuyere Irons
Valves
Vises
Washers, Wrought Iron, Gauge Glass, Cork, Axle Lock
Waste—Cotton, Wiping, Wool
Wedges—Stone
Wheelbarrows
Winches
Whistles with Valve
Wicking—Cotton, Asbestos
Wire—Black Annealed, Telegraph, Insulated, etc.
Wire Line Pumping Equip.
Wire Drilling Sand and Pumping Lines
Wrenches
Zinc—Pencil

Mill & Factory Supplies—Continued

TEXAS—Continued

GALVESTON—Black Hdwe. Co.
Shean Paul Co.
HENDERSON—Teller E. J. & Son
HOUSTON—Barden Electric & Machinery Co.
Bering-Cortes Hardware Co.
Girten Belting & Packing Co.
Heitmann F. W. Co.
Keithly Co.
National Supply Co.
Nelson N. O. Co.
Oil Well Supply Co.
Peden Iron & Steel Co.
Republic Supply Co.
Smith Howard & Co.
Southern Cons. & Mill Supply Co.
Standard Sanitary Mfg. Co., Ahrens & Ott Div.
JEFFERSON—Meyer Eugene
Torrans Mfg. Co. (Also Mine)
KINGSVILLE—Kingsville Lumber Co.
LUFKIN—Lufkin Foundry & Machine Co.
MARSHALL—Hayes E. B. Mchy. Co.
MERCEDES—Rio Grande Hdwe. & Mchy. Co.
ORANGE—Sabine Supply Co.
PALESTINE—Dilley George E. & Son
PARIS—Bettes H. S. Hardware Co.
Collins & Moore
Dulaney W. F. & Sons
SAN ANTONIO—Alamo Iron Works
Peden Iron & Steel Co.
San Antonio Foundry Co.
San Antonio Machine & Supply Co.
SHERMAN—Hardwick-Etter Co.
Roberts, Sanford & Taylor Co.
SWEETWATER—Western Windmill Co.
TYLER—Connally Walter & Co.
WACO—June D. Machinery Co.
McGhee Rubber Co.
McLendon Hardware Co.
Waco Machinery & Supply Co.
WICHITA FALLS—Continental Supply Co.

UTAH.

OGDEN—Lowe Geo. A. Co. (Also Mine)
SALT LAKE CITY—Fairbanks, Morse & Co.
Landes & Co.
Mine & Smelter Supply Co.
Mountain States Rubber Co.
Richmond F. C. Machinery Co.
Salt Lake Hdwe. Co. (Also Mine)

VERMONT.

BARRE—Phelps N. D. Co.
Reynolds & Son
Smith, Whitcomb & Cook Co.
Trow & Holden Co.
BARTON—Seaver H. T.
BELLOWS FALLS—Field & Lawrence
Howard Hdwe. Co.
Vermont Farm Machine Co.
BRATTLEBORO—Robins & Cowles
Stearns Joel M.
BURLINGTON—Blodgett G. S. Co.
Davis E. J. Mch. Wks.
Isham Hdwe. Co
Manson Hdwe. Co.
Strong Hdwe. Co.
DERBY LINE—Hunt R. J.
FAIRHAVEN—Norton Hdwe. Co.
NEWPORT—True & Blanchard
MONTPELIER—Deming Hdwe. Co.
Dwinell Hdwe. Co.
Peck Bros. Co.
RANDOLPH—Lamson J. H. & Sons
RUTLAND—Holmes Iron Co.
Lincoln Iron Works
Manning Mfg. Co.
Patch F. R. Mfg. Co.
ST. JOHNSBURY—Hooker O. V. & Son
SPRINGFIELD—La Fountain-Woolson Co.
STOWE—Miles McMahon & Son
WATERBURY—Smith & Somerville
WHITE RIVER JUNCTION—Shepard Co., Inc. (Pulleys), Belting, etc.

VIRGINIA.

BRISTOL—Mitchell-Powers Hdwe. Co.
CHARLOTTESVILLE — Charlottesville Hdwe. Co.
EMPORIA—Emporia Mch. Co., Inc.
LAWRENCEVILLE—Sledge & Barkley Co.
LYNCHBURG—Ainslie-Martin Co.
Barker-Jennings Hdwe. Corp.
NEWPORT NEWS—Kessel Henry A. Co.
Tidewater Supply Co.
Wilkins W. P. Co.
NORFOLK—Carlon F. K. Inc.
Dominion Asbestos & Rubber Corp.
See adv index at end of book
Empire Machinery & Sup. Corp.
Lum Hdwe. & Plumbing Supply Co.
Southern Supply Co. (Railroad & Steamboat)
Taylor-Parker Co. (Railroad & Steamboat)
Tidewater Supply Co.
Walke Henry Co. (Railroad, Mill & Steamboat)
Westbrook Jno. D., Inc.
Whaley W. M. & Co. (Also Steamboat)
Wilson J & R., Inc.
Winslow D. A. & Co.
PETERSBURG—Appomatox Iron Works & Supply Co.
Leonard Chas. Hardware Co.
Stockdell Myers Hardware Co.
PORTSMOUTH—Twin City Supply Co., 812 Crawford
PULASKI—Price Hardware Co. (Also Mine)
RICHMOND—Eastern Coal & Export Corp.
Frischkorn Hunter B. (Railroad & Mine), 801 E Cary
Gordon Metal Co., 14th & Dock
Lindsay J. L., 1321 E Main
McGraw James Inc., H, 10th & Cary
Morrison Co., Inc.
Smith Courtney Co.
Southern Asbestos Mfg. Co.
Southern Railway Supply Co. (Railroad), 1323 E Main
Victoria Metal Co.
Virginia Machinery & Well Co., 1319 E Main
ROANOKE—Nelson Hardware Co. (Also Mine)
Roanoke Hardware Co. (Also Mine)
Roanoke Iron Wks.
SALEM—Salem Foundry & Machine Works
SUFFOLK—Folk E. L. Co.
Thomas Hdwe. Co.

WASHINGTON.

ABERDEEN—Grays Harbor Hardware Co.
Isaacson L. G. Co.
BELLINGHAM—Morse Hardware Co.
Northwest Hdwe. Co.
EVERETT—Agnew Hdw. Co.
Bayside Iron Wks.
Lloyd Co., The
Pacific Hardware Co. (Also Mine)
Sumner Iron Works
Tolsma R. B.
SEATTLE—Albion Mfg. Co., 709 1st av
Atkins E. C. & Co., 510 1st av S
Barnhart W. C. Co., 224 Railway Exchange bldg
Berger & Carter Co.
Biegert J. C. Mch. Wks.
Brinkley Co., 651 Alaska
Broderick & Bascom Loggers Supply Co., 623 Western av
Campbell Hdwe. Co.
Castle A. M. & Co. of Washington, 32 W Connecticut
Clyde Equipment Co.
Cragin & Co., 932 1st av
Crane Co., 419 2nd av S.
See adv index at end of book
Curtiss Wm. M. Co., 5016 20th, N W
Dow David & Son, 1258 1st av S
Ernst Hdwre. Co., 6th & Pike
Fairbanks, Morse & Co
General Belting Co., Maritime bldg
Gray Bros.
Hallidie Machy Co., 300H 1st av S
Harden Chas. H. & Co., 108 Main
Hicks S. B. Co., 910 1st av S
Higgins Machy. Co., 309 1st av S
Link Belt Northwest Co.
Loosted C. M. & Co., 2214 1st av S.
Marine Supply Co.
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Seattle Machine Works, 51 W Lander
Simonds Mfg. Co., 402 Occidental av
Star Machinery Co., 1731 1st av S
Sunde & d'Evers Co.
Union Machinery & Supply Co., 500 1st av S.
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Whiton Hdwe. Co.
SPOKANE—Arnold-Evans Co.
Barnard Mfg. Co., N 1324 Ash
WASHINGTON—Spokane—continued
Crane Co., 126 S. Post
See adv index at end of book
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Nott-Atwater Co., 157 S. Monroe
Spokane Hardware Co.
United Iron Wks.
United States Rubber Co., 1011 1st
See adv index at end of book
Washington Mchy. & Supply Co.
See adv index at end of book
TACOMA—Crane Co., 1209 S A
See adv index at end of book
Hunt & Mottett Co.
Marion & Sunde Co., 1009 A
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Paramount Supply Co., 1936 Pacific av
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Sussman Frank & Co., 1730 Pacific av
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PARKERSBURG—Mountain Iron Supply Co.
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Parkersburg Machine Co.
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Zero Oil Co. (Also Mine)
ST. MARYS—Producers' Supply & Tool Co.
SALEM—Oil Well Supply Co.
SISTERVILLE—Jarecki Mfg. Co.
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WESTON—Danser Mfg. & Supply Co.
WHEELING—Berry Chas. H. Supply Co.
Ott-Heiskell Hardware Co.
Sands H. S. Electric & Mfg. Co.
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WILLIAMSON—Persinger Hdwe. & Furniture Co.
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WISCONSIN.

APPLETON—Appleton Car Mover Co., 547 Eldorado
Schlafer Hardware Co.
Tesch William
ASHLAND—Bretting C. G. Mfg. Co.
EAU CLAIRE—Hobbs W. H. Supply Co.
FOND DU LAC—Dallman & Cooper Supply Co.
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Fontaine B. Hdwe. Co.
Morley-Murphy Hdwe. Co.
Murphy Supply Co.
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Bicknell Mfg. & Supply Co.
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*Milwaukee Leather Belting Co., 146 W Water
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Rundle-Spence Mfg. Co., 63 2nd
Suelflohn & Sufeld, 45 2d
Trostel A. & Sons Co., 612 Commerce
United States Rubber Co., 41 Oneida
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Walsh M. J. Mchy. Co., 141 Sycamore
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Leavens Frank A. (Paper Mill)
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9756 — Milliameters

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Weston Electrical Instrument Co., Waverly pk, Newark, N. J.

9757—Mills (Adjustable, Hollow)

See also Mills, Hollow

Cleveland Twist Drill Co., 1 E 49th, Cleveland, Ohio *See adv index at end of book*
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Geometric Tool Co. ("Geometric"), New Haven, Conn.
Morse Twist Drill & Machine Co., New Bedford, Mass.
Rogers John M. Works, Gloucester City, N. J.
Standard Tool Co., 6900 Central av, Cleveland, O.

9758— Mills (Alfalfa)

Abbe Paul Co. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Gruendler Patent Crusher & Pulverizer Co., 982 N. Main, St. Louis, Mo.
See adv index at end of book
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
Pecos Valley Alfalfa Mill Co.
Superior Mfg. & Mill Co., Springfield, O.
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book
Wolf Co. ("Wolf"), Chambersburg, Pa.

9759— Mills (Attrition)

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See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*

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Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
Munson Mill Machinery Co., Utica, N. Y.
ROBINSON H. MFG. CO. ("Unique"), Muncy, Pa.
SPROUT, WALDRON & CO. ("Monarch"), Muncy, Pa.
See adv index at end of book

9760— Mills (Ball Porcelain)

ABBE PAUL O. INC. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Wolf Co. ("Jumbo" & "Wolf"), Chambersburg, Pa.

9761—Mills (Ball & Pebble)

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See adv index at end of book
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See adv index at end of book
Bethlehem Shipbuilding Corp., Ltd., 20th & Michigan, San Francisco, Cal.
Box Wm. A. Iron Works Co., 3309 Blake, Denver, Colo.
Braun Corp., 363 New High, Los Angeles, Cal.
Braun-Knecht-Heimann Co. (Laboratory), 576-584 Mission, San Francsico, Cal
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Day J. H. Co., Cincinnati, O.
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Eccleston Machinery Co., 152 S. Anderson, Los Angeles, Cal.
Fuller-Lehigh Co. (Ball), Fullerton, Pa.
See adv index at end of book
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Hardinge Co., 120 B'way, New York
Hassell Iron Works Co., Colorado Springs, Colo.
Herman John, 339 S. Los Angeles, Los Angeles, Cal.
KENNEDY VAN SAUN MFG. & ENG. CORP. (Wet & Dry Grinding & Air-swept), 50 Church, New York
See adv index at end of book
Manitowoc Engineering Works, Manitowoc, Wis.
Mine & Smelter Supply Co. ("Marcy" Ball), 42 B'way
Patterson Foundry & Machine Co. (Flint, Flour-spar, Quartz, Silex, etc), East Liverpool, O.
Prosser T. & Son ("The Krupp" Imp.), 15 Gold, New York
Smidth F. L. & Co., 50 Church, New York
Stearns-Roger Mfg. Co., Denver, Colo.
Townsend Foundry & Machine Shop Co. (Ball), Broadway & Rensselaer, Albany, N. Y. *See adv index at end of book*
Traylor Engng. & Mfg. Co., Allentown, Pa.
Worthington Pump & Machy Corp., 115 B'way, New York

9762— *Mills (Bar)

Mackintosh-Hemphill Co., 12th & Etna, Pittsburgh, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
Southwark Foundry & Machine Co. (Rolling, Iron, Steel), 1128 S 4th, Phila., Pa. *See adv index at end of book*
Treadwell Engineering Co., Easton, Pa.
See adv index at end of book

9763— Mills (Bark)

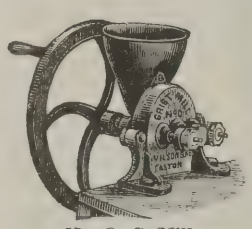
See also Grinders, Edging

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Barry & Zecher Co. ("Eureka"), Lancaster, Pa.
Bartley Wm. & Sons ("Shultis" Sectional), Bartley, N. J.
Bauer Bros. Co., Bauer bldg, Springfield, O.
Fyster, Weiser & Co. (Ltd.), York, Pa.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
Ott Benj. & Sons Co. ("Ott's" Bark Shaving), La Crosse, Wis.
Shapley & Wells, Binghamton, N. Y.
Stehling Chas. H. Co., 401 4th, Milwaukee, Wis.
Turner Tanning Mach'y Co. ("Turner" Disc Type), Peabody, Mass.
Waterville Foundry & Mfg. Co., Waterville, N. Y.
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book
Wilson Bros., Easton, Pa.
See adv index at end of book

9764— Mills (Barley)

Barnard & Leas Mfg. Co., Moline, Ill.
Bartlett & Snow Co. C. O., 6350 Harvard, Cleveland, O.
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Robinson H. Mfg. Co., Muncy, Pa.
Sprout, Waldron & Co., Muncy, Pa.
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Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book
Wilson Bros., Easton, Pa.
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Wolf Co., Chambersburg, Pa.

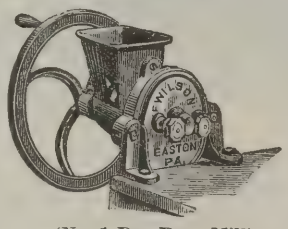
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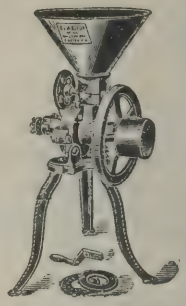
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Morgan Engineering Co., Alliance, O.
National Roll & Foundry Co., Avonmore, Pa.
Treadwell Engineering Co., Easton, Pa.
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9766— Mills (Blooming)

Mackintosh-Hemphill Co., 12th & Etna, Pittsburgh, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
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Morgan Engineering Co., Alliance, Ohio
Phila. Roll & Machine Co., 52d & Grays av, Phila., Pa.
TREADWELL ENGINEERING CO., Easton, Pa *See adv index at end of book*

9767— Mills (Bone & Shell)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
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ABBE ENGINEERING CO., 38 Church, New York *See adv index at end of book*
BARTLETT & SNOW CO. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Bauer Bros. Co., Bauer bldg, Springfield, O.
Bayley Wm. Co. ("Bayley" Hand Bone), Springfield, Ohio
Brown A. & F. Co. ("Cogswell"), 79 Barclay, New York.
Dempwolf C. H. & Co., York, Pa.
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Excel Mfg. Co., Pottersville, N. J.
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Hobart Mfg. Co. ("Hobart" Electric & Gasoline), Troy, Ohio
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Humphrey & Sons, Joliet, Ill.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
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Mann F. W. Co. ("Mann's"), Milford, Mass.
Messinger Mfg. Co. (Hand Bone), Tatamy, Pa.
Miller L. J. ("Nonpareil" Bone), 1421 State, Cincinnati, O.
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Mountville Mfg. Co. ("Reliable" Hand Bone), Mountville, Pa.
Oil & Waste Saving Machine Co. (Bone), Real Estate Trust bldg, Phila., Pa.
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Pennsylvania Crusher Co., Stephen Girard bldg, Phila., Pa.
Pratt Wm. E. Mfg. Co. ("Adams"), 35 W Lake, Chicago, Ill.
Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.
Sackett A. J. cor 4th av & 1st, Baltimore, Md.
Standard Bone Cutter Co., Milford, Mass.
Stearns E. C. & Co. ("Mann's Improved") ("Stearns"), 450 Oneida, Syracuse, N. Y.
Stratton Mfg. Co. ("Dandy"), Erie, Pa.
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book
WILSON BROS. (Hand & Power Bone), Easton, Pa. *See adv index at end of book*

Mills (Boring & Turning, Vertical)

See Boring & Turning Machines, Vertical

9768— Mills (Brass Cinder)

Sly W. W. Mfg. Co., 4720 Train av, Cleveland, O.
Standard Equipment Co., 63 Foote, New Haven, Conn.
Whiting Corp., Dept. H. Harvey, Ill.

9769— Mills (Buhr Stone)

Barnard & Leas Mfg. Co. (French Buhr), Moline, Ill.
BARTLETT & SNOW CO. C. O. (Vertical & Horizontal), 6350 Harvard, av, Cleveland, O.
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Blymyer Iron Works Co., Cincinnati, Ohio
Crossley Machine Co., State & Chestnut av, Trenton, N. J.
Ehrsam J. B. & Sons Mfg. Co. (Vertical), Enterprise, Kans.
Holmes & Blanchard Co., 928 Broadway, Boston, Mass.
International Harvester Co. ("Meadows Mills"), H, Harvester bldg, Chicago, Ill.
Kent Machine Works, 39 Gold, Brooklyn, N. Y.
Nordyke & Marmon Co. (French, "Nordyke" "Dixie" "Model" "Farm & Plantation"), Kentucky av & Morris, Indianapolis, Ind.
Patterson Foundry & Machine Co., East Liverpool, O.
Robinson H. Mfg. Co., Muncy, Pa.
Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.
Simpson-Orville Co., 1230 Knowlton, Cincinnati, Ohio
Sprout Waldron & Co., Muncy, Pa.
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Starr B. F. Co. (For Flour & Corn Mills), 445 Guilford av, Baltimore, Md.
Wagner J. Mfg. Co., 165 Beale, San Francisco, Cal.
Walker & Elliott, Wilmington, Del.

Mills (Car Wheel Boring)

See Boring Machines, Car Wheel

9770—Mills (Charcoal Grinding)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Brown A. & F. Co. ("Cogswell"), 79 Barclay, New York
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Gruendler Patent Crusher & Pulverizer Co., 982 N. Main, St. Louis, Mo.
See adv index at end of book
Pennsylvania Crusher Co., Stephen Girard bldg, Phila., Pa.
Robinson H. Mfg. Co., Muncy, Pa.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Straub A. W. Co., 3745H Filbert, Phila., Pa.
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book
Wilson Bros., Easton, Pa.
See adv index at end of book

9771— Mills (Chaser)

Hadfield-Penfield Steel Co. (The), Bucyrus, O. *See adv index at end of book*
National Engineering Co., 549 W. Washington blvd, Chicago, Ill.
Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.

9772— Mills (Chilian)

Allis Chalmers Mfg. Co. (Pulverizing), Milwaukee, Wis.
See adv index at end of book
Currier Cyrus & Sons, 365 Market, Newark, N. J.
Hallidie Co., Spokane, Wash.
National Engineering Co., 549 W. Washington blvd, Chicago, Ill.
Traylor Engineering & Mfg. Co., Allentown, Pa.
Wellman-Seaver-Morgan Co. ("Akron"), E. 70th & Central av, Cleveland, Ohio
William A. Box Iron Works Co., 3309 Blake, Denver, Colo.
Worthington Pump & Machy. Corp., 115 Broadway, New York

9773— Mills (Chlorination)

Allis Chalmers Mfg. Co. (Gold & Silver Mining), Milwaukee, Wis.
See adv index at end of book
Worthington Pump & Machy. Corp., 115 Broadway, New York

9774—Mills (Cider & Cider Presses)

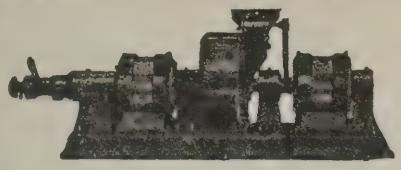
American Seeding Machine Co. ("Buckeye" Mills), Springfield, Ohio
Cevasco, Cavagnaro & Ambrette Inc. (Hand Presses Only), 156 6th, Brooklyn, N. Y.
Cutaway Harrow Co., Higganum, Conn.
Dunning & Boschert Press Co. Inc., 379 W. Water, Syracuse, N. Y.
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Eagle Machine Co. (Presses), Lancaster, O.
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Feed Mills, Complete
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Paint Grinding Machinery
Packers, Flour, Feed, Etc.
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Mills (Cinder)

See Mills, Water Cinder

9775— Mills (Cocoa)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Bauer Bros. Co., Bauer bldg, Springfield, O.

9776—Mills (Coffee or Spice)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Angildile Computing Scale Co., Elkhart, Ind.
Arcade Mfg. Co. ("Crystal" & 70 Other Varieties of Family Coffee Mills), Freeport, Ill.
Bauer Bros. (Spice Only), Bauer bldg, Springfield, O.
Bay Gottfried, 537 W 50th, New York
Braun Co. ("Coles," Coffee Electric), 1625 N 23rd, Phila., Pa.
Brecht Co. ("Brecht" Spice), 1201 Cass av, St. Louis, Mo.
Brown A. & F. Co. ("Cogswell," for Spices Only), 79 Barclay, New York.
Burdick M. S., 60 Tehama, San Francisco, Cal.
Burns Jabez & Sons (Grinders & Roasters), 11th av & 43rd, New York
Clawson Mach. Co., Flagtown, N. J.
Computing Scale & Fixture Co., 8 E Court, Cincinnati, O.
Deer A. J. Co. (Electric Coffee), Hornell, N. Y.
Enterprise Mfg. Co. (of Pa.), ("Enterprise" Hand & Electric Power), 3d & Dauphin, Phila., Pa.
Gruendler Patent Crusher & Pulverizer Co., 982 N. Main, St. Louis, Mo.
See adv index at end of book
Gump B. F. Co. (Power), 431H S Clinton, Chicago, Ill.
Hobart Mfg. Co. ("Hobart" Electric & Gasoline Coffee Mills), Troy, O.
Holwick B. C., 104 Market av S, Canton, O.
Howe Scale Co. (Electric), Rutland, Vt.
Huntley Mfg. Co., Silver Creek, N. Y.
Landers, Frary & Clark ("Crown," "Universal" & "Regal" Coffee Mills), New Britain, Conn.
Lane Bros. Co. ("Swift" Electric), Poughkeepsie, N. Y.
Louisville Machine Mfg. Co. (Electric), Louisville, O.
Master Cutter Mach. Co., North av, Oakley, Cincinnati, O.
National Specialty Mfg. Co., Lehigh av & 3d, Phila., Pa.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Parker Chas. Co. (Store & Household use), Meriden, Conn.
ROBINSON H. MFG. CO., Muncy, Pa.
Ross Chas. & Son Co. (Spice), 148 Classon av, Brooklyn, N. Y.
Silver & Co. ("Silver"), 304 Hewes, Brooklyn, N. Y.
Smith's Jno. E. Sons Co. (Spice Mills), Buffalo, N. Y.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Steiner Mfg. Co. ("Steiner" Electric), 4100 N 21st, St. Louis, Mo.
Stimpson Scale & Electric Co. (Grocers' Hand & Electric Power), Northville, Mich.
Straub A. W. Co., 374½H Filbert, Phila, Pa.
Sun Mfg. Co. ("Sun" Family Coffee Mills), Columbus, O.
Troemner Henry, 911 Arch, Philadelphia, Pa.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book
Wilson Bros., Easton, Pa.
See adv index at end of book
Woodruff & Edwards Co. ("Elgin National"), Elgin, Ill.
Wrightville Hardware Co. ("Premier," "Peerless," "Perfect," "Queen," "Diamond," "Acme," "American Beauty" & "Brighton Star," all one pound Wall Mills; also "Colonial," "Brighton," "Sterling," "Excelsior," "Century," "L & S," Side Mills; "Brighton," "Domestic" & "Monarch" Hand or Power Spice & Corn Mills), Wrightsville, Pa.

9777— Mills (Cold Rolling)

Blake & Johnson Co. (For Flattening Wire), 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
BLISS CO. E. W., 53d & 1st av, Brooklyn, N. Y.
See adv index at end of book
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Mackintosh-Hemphill Co. (Strip), 12th & Etna, Pittsburgh, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
National Roll & Foundry Co., Avonmore, Pa.
Standard Machinery Co., Providence, R. I.
Treadwell Engineering Co., Easton, Pa.
See adv index at end of book

Mills (Concentrating)

See Mills, Stamp

Mills (Conical)

See Mills, Grinding & Crushing

9778— Mills (Continuous)

See also Rolling Mills, Continuous
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book

9779— Mills (Cork Grinding)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Gruendler Patent Crusher & Pulverizer Co., 982 N. Main, St. Louis, Mo.
See adv index at end of book
Mitts & Merrill, 1939 S. Water, Saginaw, Mich.
ROBINSON H. MFG. CO., Muncy, Pa.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

9780— Mills (Corn & Cob)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Advance Rumley Co. ("Rainbow"), Madison & Lincoln Way, La Porte, Ind.
Allis Chalmers Mfg. Co. (Corn Mills), Milwaukee, Wis.
See adv index at end of book
Appleton Mfg. Co. ("American," "Tornado," "Cyclone"), Batavia, Ill.
Associated Mfrs. Co. ("Amanco"), Waterloo, Ia.
Baker Mfg. Co. ("Monitor"), Evansville, Wis.
Barnard & Leas Mfg. Co., Moline, Ill.
Barry & Zecher Co. ("B. & Z." "Eureka"), Lancaster, Pa.
BARTLETT & SNOW CO. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Bell C. S. Co. ("Omego" Power), Hillsboro, O.
Blymyer Iron Works Co., Cincinnati, O.
Bovee Furnace Works ("Four Burr"), Waterloo, Ia.
Bowsher N. P. Co. ("Bowsher" Combination) South Bend, Ind.
Brown A. & F. Co. ("Cogswell"), 79 Barclay, New York. Works: Elizabeth, N. J.
Burgess & Norton Mfg. Co. ("Kenyon" Corn Crushers), Geneva, Ill.
Challenge Co., Batavia, Ill.
Chapman H. L. Marcellus, Mich.
Cole R. D. Mfg. Co., Newman, Ga.
Dain Mfg. Co., Ottumwa, Ia.
De Loach Mill Mfg. Co., Chattanooga, Tenn.
Duplex Mfg. Co. ("Jewell," "Superior"), Superior, Wis.
Duplex Mill & Mfg. Co. ("Kelly," "Duplex," 2 to 20 H. P.), Springfield, O.
Engelberg Huller Co., Syracuse, N. Y.
Excel Mfg. Co., Pottersville, N. J.
Excelsior Foundry Co., Belleville, Ill.
Freeman Mfg. Co., Racine, Wis.
See adv index at end of book
Gade Bros. Mfg. Co. ("Rankin"), Iowa Falls, Ia.
Gray Iron Casting Co. ("Bayley"), Springfield, O.
Great Western Mfg. Co. (Corn Only), Leavenworth, Kans.
Gruendler Patent Crusher & Pulverizer Co., 982 N. Main, St. Louis, Mo.
See adv index at end of book
Gump B. F. Co. ("Bar Ninn"), 431H S Clinton, Chicago, Ill.
Harriman Mfg. Co., Harriman, Tenn.
International Harvester Company of America (Inc.) ("International"), Harvester Building, Chicago
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
Kingston Milling Co. (Corn), Kingston, Ark.
Lafayette Corn Flour Mills, Lafayette, Ind.
Lassiter C. J., Raleigh, N. C.
Letz Mfg. Co. ("Bull Dog" Combine), Crown Point, Ind.
Litchfield Mfg. Co., Waterloo, Ia.
Miller L. J. ("Nonpareil"), 1223 Harrison av, Cincinnati, O.
Munson Mill Machinery Co. (Corn), Utica, N. Y.
New Holland Machine Co. ("New Holland"), New Holland, Pa.
New Williams Mill Co., Inc., North Wilkesboro, N. C.
New Winona Mfg. Co. ("Diamond," "Big Iowa"), Winona, Minn.
Nordyke & Marmon Co. ("Harrison"), Kentucky av & Morris, Indianapolis, Ind.
Port Huron Engine & Thresher Co., Port Huron, Mich.
Robinson H. Mfg. Co. ("Iron Clad" Corn Ear Crusher), Muncy, Pa.
Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.
Sandwich Mfg. Co. ("Reliance"), Sandwich, Ill.
Savage W. J. Co., Knoxville, Tenn.
Smalley Mfg. Co., Manitowoc, Wis.
Spartan Mfg. Co. ("Corn Belt"), Pontiac, Ill.
Sprout, Waldron & Co. ("Monarch," All Kinds), Muncy, Pa.
See adv index at end of book
Squier Geo. L. Mfg. Co. (Belt Corn), B'way & Mortimer, Buffalo, N. Y.
Squibb-Carter-Squibb Co., Lawrenceburg, Ind.
Starr B. F. Co. ("Star" Corn), Guilford av & Center, Baltimore, Ind.

(Continued on following page)

Mills (Corn & Cob)—Continued

Sterling Mfg. Co. ("Sterling"), Sterling Ill.
Stover Mfg. & Engine Co. ("Ideal," Power Mills), Freeport, Ill.
Straub A. W. Co. ("Quaker City"), 3745H Filbert, Phila., Pa.
Strong-Scott Mfg. Co. ("Northway" Power), 413 S 3rd, Minneapolis, Minn.
Superior Mfg. & Mill Co., Springfield, O.
Turner Mfg. Co. ("Simplicity"), Port Washington, Wis.
Union Fdry. & Machine Co. ("Union Giant"), Ottawa, Kans.
U. S. Wind Engine & Pump Co. (Ultimatum), Batavia, Ill.
Whitehurst R. W. Mfg. Corp. (Corn), Norfolk, Va.
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book
WILSON BROS., Easton, Pa.
See adv index at end of book
Wolf & Co. ("Hercules," "Wolf," "Bison" & "Mammoth"), Chambersburg, Pa.

9780a—*Mills (Corn & Graham)

Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book
WILSON BROS. (Hand & Power), Easton, Pa. *See adv index at end of book*

9780b—Mills (Cottonseed & Linseed Grinding)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Gruendler Patent Crusher & Pulverizer Co., 982 N. Main, St. Louis, Mo.
See adv index at end of book
Robinson H. Mfg. Co., Muncy, Pa.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

9781— Mills (Cyanide)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Allis Chalmers Mfg. Co. (Gold & Silver Mining), Milwaukee, Wis.
See adv index at end of book
Arizona & Sonora Mfg. Co., Nogales, Ariz.
Chalmers-Williams Mfg. Co., 1461 Arnold, Chicago Heights, Ill.
Denver Engineering Works Co., Denver, Colo.
Kennedy Van Saun Mfg. & Eng. Corp., 50 Church, New York
See adv index at end of book
Moyle E. H. Engineering & Equipt. Co. ("Moyle"), 4824 S. Main, Los Angeles, Cal.
Traylor Engng. & Mfg. Co., Allentown, Pa.
Worthington Pump & Machy Corp., 115 B'way, New York

Mills (Disintegrating)

See Disintegrators

9782— Mills (Drug)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
ABBE ENGINEERING CO., 38 Church, New York *See adv index at end of book*
Bauer Bros. Co., Bauer bldg, Springfield, O.
Bay Gottfried, 537 W 50th, New York
Brown A. & F. Co. ("Cogswell"), 79 Barclay, New York
Crossley Machine Co., State & Chestnut av, Trenton, N. J.
Day J. H. Co., Cincinnati, O.
Enterprise Mfg. Co. of Pa., 3d & Dauphin, Phila., Pa.
Gruendler Patent Crusher & Pulverizer Co., 982 N. Main, St. Louis, Mo.
See adv index at end of book
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
Landers, Frary & Clark, New Britain, Conn.
Lane Bros. Co. ("Swift"), Poughkeepsie, N. Y.
MEAD & CO., 19th & M. C. M. R. R., Detroit, Mich.
National Specialty Mfg. Co., 3d & Lehigh av, Philadelphia, Pa.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Parker Chas. Co., Meriden, Conn.
Patterson Foundry & Machine Co., E Liverpool, O.
Prosser Thos. & Son ("Krupp" Imp) 15 Gold, New York
Robinson H. Mfg. Co., Muncy, Pa.
Ross Chas. & Son Co., 143 Classon av, Brooklyn, N. Y.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Stokes F. J. Machine Co., 6138 Tabor, Phila., Pa.
Straub A. W. Co., 3741 Filbert, Phila., Pa.
Waterville Fdry. & Mfg. Co., Waterville N. Y.
WILLIAMS PATENT CRUSHER & PULVERIZER CO., 707 Montgomery, St. Louis, Mo.
Wilson Bros. ("Assayers"), Easton, Pa.
See adv index at end of book

9783—Mills (Dry Color Grinding)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*

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National Engineering Co., 549 W. Washington blvd, Chicago, Ill.
Straub A. W. Co., 3745H Filbert, Phila., Pa.

9784— Mills (Dye Stuff)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Brown A. & F. Co. ("Cogswell"), 79 Barclay, New York
Excel Mfg. Co., Pottersville, N. J.
Ross Chas. & Son Co., 143 Classon av, Brooklyn, N. Y.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

9785— Mills (Emery Rock)

Abbe Paul O. Inc. ("Abbebilt" Grinding), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book

9786— Mills (End)

See also Cutters, Milling

Am. Twist Drill & Tool Co. (Steel & Taper Shank), W Jefferson av & 21st, Detroit, Mich.
Ampco Twist Drill & Tool Co., 18th & Howard, Detroit, Mich.
Barber-Colman Co., Rockford, Ill.
Brown & Sharpe Mfg. Co., Providence, R. I.
Clark Mesker Co., 18511 Euclid av, Cleveland, O.
Cleveland Cutter & Reamer Co. The, 7410 Madison, Cleveland, O.
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O. *See adv index at end of book*
Cowles Tool Co., 2086 W 110th, Cleveland, O.
Detroit Twist Drill Co., 555 Fort, Detroit, Mich.
Gale-Sawyer Co., 36 Oliver, Boston, Mass.
Gammons-Holman Co. "Gammons Helical," Manchester, Conn.
Ill. Tool Works, 2501 Keeler av, Chicago, Ill.
McCulloch Mfg. Co., 200 Old Colony av, Boston, Mass.
Morse Twist Drill & Machine Co. ("Morse" With Center Cut & With Spiral Flutes, etc), New Bedford, Mass.
NATIONAL TOOL CO., Cleveland, O.
See adv index at end of book
National Twist Drill & Tool Co. ("National," with Spiral Flutes, etc), Detroit, Mich.
Porter-Cable Machine Co. (The), 708 N. Salina, Syracuse, N. Y.
See adv index at end of book
Pratt & Whitney Co. (Center Cut, Shell & Taper Shank), Hartford, Conn.
See adv index at end of book
Reed-Prentice Co. (Spiral Fluted, etc.), 677 Cambridge, Worcester, Mass.
Shields Cutter Co., 18511 Euclid av, Cleveland, Ohio
Standard Tool Co. (Straight Fluted, Spiral & Center Cut), 6700 Central av, Cleveland, O.
Thurston Mfg. Co. ("Thurco"), 140 Benedict, Providence, R. I.
Union Twist Drill Co., Athol, Mass.
Watervliet Tool Co., Inc., Albany, N. Y.

9787—Mills (Exhaust Tumbling)

Central Foundry Supply Co., P. O. Box 945, Columbus, O.
Dayton-Dowd Co. ("Reliable"), Quincy, Ill.
Whiting Corp., Dept. H, Harvey, Ill.

9788— Mills (Fanning)

American Grain Separator Co. ("X-L."), Erie & S E Essex, Minneapolis, Minn.
Belcher & Taylor Agric. Tool Co. ("Johnson"), Chicopee Falls, Mass.
Brinly Hardy Co., Louisville, Ky.
Bristol & Gale Co. ("B & G"), 158 Carroll av, Chicago, Ill.
Buch's A. Sons Co. ("Pennsylvania"), Elizabethtown, Pa.
Cleland Mfg. Co. ("Cleland Special," "Expert"), 280 Washington av, N, Minneapolis, Minn.
Colfax Mfg. Co. ("Bull Dog"), 1701 N E Madison, Minneapolis, Minn.
Ferrell A. T. & Co. ("Clipper"), Saginaw, Mich.
Foster & Williams Mfg. Co. ("Badger State"), Racine, Wis.
Freeman Mfg. Co. ("Centennial"), Racine, Wis.
See adv index at end of book
Genesee Valley Mfg. Co., Mt. Morris, N. Y.
Harder Mfg. Co., Cobleskille, N. Y.
Harriman Mfg. Co., Harriman, Tenn.
Hirsch Bros. ("Webber"), 267 Reed, Milwaukee, Wis.
Huntley Mfg. Co., Silver Creek, N. Y.
Johnson & Field Mfg. Co. ("Canton," "Clipper," "Eclipse," "Excelsior," "Farmers' Favorite," "Mt. Hood," "Peerless," "Perfection," "Racine," "Little Giant," "Improved Excelsior," "Dickey," "Young Giant" & "Spotless"), Racine Wis.
Linihan M. E., Kalamazoo, Mich.
Messinger Mfg. Co., Tatamy, Pa.
Monmouth Plow Factory, Monmouth, Ill.
Nagley Mfg. Co. ("Lyons"), Lyons, N. Y.
New Liberty Washington Machine Co. ("New Fosston"), St. Paul, Minn.
Owatonna Fanning Mill Co. ("Owatonna"), Owatonna, Minn.
Owens J. L. Co. ("Champion," "Dakota," "New Superior"), Fulton & S E Huron, Minneapolis, Minn.
Red Cross Mfg. Co., Bluffton, Ind.
Rumley Leo Tractor Co. ("Rainbow"), La Porte, Ind.
Success Mfg. Co. ("Success"), 1027 E Marietta av, Spokane, Wash.
Twin City Separator Co. ("Hero"), 1701 N E Madison, Minneapolis, Minn.
Vaughn Mfg. Co., Morris, Minn.

9789— Mills (Fanning-Sieves & Screens)

Bennett Wire Co. Inc., 7 E 42nd, New York
Erdle Perforating Co., 171 York, Rochester, N. Y. *See adv index at end of book*
Gump B. F. Co., 431H S Clinton, Chicago, Ill.

9790-1—Mills (Feed Grinding)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Aermotor Co., 2500 W. Roosevelt rd, Chicago, Ill.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Althouse-Wheeler Co., Waupum, Wis.
Appleton Mfg. Co. ("Appleton," "Hero," "American"), Batavia, Ill.
Associated Mfrs. Co., Waterloo, Ia.
Baker Mfg. Co., Evansville, Wis.
Barnard & Leas Mfg. Co. ("Barnard's" Ball Bearing, Belt Power, etc.), 403 20th, Moline, Ill.
Bauer Bros. Co., Bauer bldg, Springfield, O.
Bayley Wm. Co., Springfield, Ohio
Beach-Russ Co. ("Abbe"), 38 Church New York *See adv index at end of book*
Bell C. S. Co. ("Power", "W. Lype", Ball Bearing), Hillsboro, Ohio
Blue Valley Mfg. Co., Manhattan, Kan.
Blymyer Iron Works Co., Cincinnati, Ohio
Bovee Furnace Works, Waterloo, Iowa
Bowsher N. P. Co. (Combination), South Bend, Ind.
Brinly Hardy Co., Louisville, Ky.
Bristol & Gale Co., 158 Carroll av, Chicago, Ill.
Brown A. & F. Co., 79 Barclay, New York.
Challenge Co. ("Challenge"), Batavia, Ill.
Chamberlain Machine Works, Waterloo, Ia.
Columbus Iron Works, Columbus, Ga.
Cooper A. A. Wagon & Buggy Co., Dubuque, Iowa
Currie Wind Mill Co., Topeka, Kans.
Dain Mfg. Co., Ottumwa, Iowa
Decatur Foundry, Furnace & Machine Co., Decatur, Ind.
Dempster Mill Mfg. Co., Beatrice, Neb.
Deshler Fdry. & Mch. Wks., Deshler, O.
Duplex Mfg. Co., Station "B," Superior, Wis.
Duplex Mill & Mfg. Co. ("Kelly," "Duplex" 2 to 20 H. P.), Springfield, O.
Dutton E. Q. & Co., Cato, N. Y.
Eagle Machine Co., Lancaster, Ohio
Elgin Wind Power & Pump Co., Elgin, Ill.
Eureka Fence Mfg. Co., Richmond, Ind.
Excel Mfg. Co., Pottersville, N. J.
Fairbanks Morse & Co., 900 S Wabash av, Chicago, Ill.
See adv index at end of book

Farmers' Cement Tile Machine Co., St. Johns, Mich.
Farquhar A. B. Co. Ltd., York, Pa.
Fort Worth Well Machy. & Supply Co., Fort Worth, Tex.
Globe Co., Sheboygan, Wis.
Great Western Mfg. Co., Leavenworth, Kans.
Gray Iron Casting Co., Springfield, Ohio
GRUENDLER PATENT CRUSHER & PULVERIZER CO., 982 N. Main, St. Louis, Mo. *See adv index at end of book*
Gump B. F. Co., 431H S Clinton, Chicago, Ill.
Hamachek Frank ("Giant"), Kewaunee, Wis.
Harriman Mfg. Co., Harriman, Tenn.
Heebner & Sons, Lansdale, Pa.
Hercules Mfg. Co., Centerville, Iowa
Howell R. R. & Co., 31st av, Minneapolis, Minn.
Hydraulic Press Mfg. Co., 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book
International Harvester Co., Harvester bldg, Chicago, Ill.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
Jenkins Hay Rake & Stacker Co., Chillicothe, Mo.
Kaestner & Hecht Co. (Inc.), 500 Throop, Chicago, Ill.
Kansas City Hay Press Co., ft. of 4th st Viaduct, Kansas City, Mo.
Keiser Geo. & Co., 516 S Walnut, Muncie, Ind.
Letz Mfg. Co., Crown Point, Ind.
Litchfield Mfg. Co., Waterloo, Iowa.
Martin Mfg. Co., St. Louis Park, Minn.
Messinger Mfg. Co., Tatamy, Pa.
Miller L. J., 1421 State, Cincinnati, Ohio
Moore Plow & Implement Co., Greenville, Mich.
Munson Mill Machinery Co., Utica, N. Y.
New Winona Mfg. Co. ("Diamond"), Winona, Minn.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Noye Bros. Co., 1447 Niagara, Buffalo, N. Y.
Patch A. H., Clarksville, Tenn.
Phelps & Bigelow Wind Mill Co., Kalamazoo, Mich.
Quick & Thomas Co., Auburn, N. Y.
Red Chief Mfg. Co. ("Red Chief"), Louisville, Ky.
Reschke Machine Works Co. ("Rescke"), Wichita, Kans.
Rippley Mfg. & Steel Boat Co., Grafton, Ill.
Roberts Thos., Springfield, O.
Robinson H. Mfg. Co., Muncy, Pa.
Rock Island Mfg. Co., Rock Island, Ill.
Romick Mill Furnishing Co., Niles, Ohio
Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.
Ross J. J. Mill Furnishing Co., 61 Front, Portland, Ore.
Sandwich Mfg. Co., Sandwich, Ill.
Sharp L. C. Mfg. Co., Plattsmouth, Neb.
Silver Mfg. Co. ("Silver"), Box 256, Salem, Ohio
Simpson-Orville Co., 1230 Knowlton, Cincinnati, O.
Smalley Mfg. Co., Manitowoc, Wis.
Smith & Pomeroy Windmill Co. ("Eureka"), Kalamazoo, Mich.
Spartan Mfg. Co. ("Corn-Belt"), Pontiac, Ill.
Sprout, Waldron & Co. ("Monarch," All Kinds), Muncy, Pa.
See adv index at end of book
Star Mfg. Co. (Sweep & Belt Power), New Lexington, Ohio
Starr B. F. Co. ("Star"), Guilford av & Center, Baltimore, Md.
Sterling Mfg. Co., Sterling, Ill.
Stover Mfg. & Engine Co. ("The Ideal," also with Horse Power Combined), Freeport, Ill.
Straub A. W. Co., 3741 Filbert, Phila., Pa.
Superior Mfg. & Mill Co., Springfield, Ohio
Swift Mfg. Co. ("Swift"), Waterloo, Iowa
Thornburgh Mfg. Co. (Triple Geared & Direct Acting Sweep), Bowling Green, Ohio
Turner Mfg. Co., Port Washington, Wis.
United Engine Co., Lansing, Mich.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Wagner J. Mfg. Co., 165 Beale, San Francisco, Cal.
Watts Mfg. Co., Jackson, Mich.
WILLIAMS PATENT CRUSHER & PULVERIZER CO., 707 Montgomery, St. Louis, Mo.
See adv index at end of book
WILSON BROS., Easton, Pa.
See adv index at end of book
Wisconsin Farm Implement Co. ("Wisconsin"), Beloit, Wis.
Wolf Co. ("Bowsher," "Jumbo," "Wolf" & "Tiger Combination"), Chambersburg, Pa.
Wood Walter A. Mowing & Reaping Machine Co., Hoosick Falls, N. Y.
Worthington Pump & Mach'y Corp, 115 B'way, New York
Ypsilanti Machine Works, Ypsilanti, Mich.

9792— Mills for Enamel

ABBE PAUL O. INC., 71A Murray, New York *See adv index at end of book*
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Ross Chas. & Son Co. ("Eccentric"), 148 Classon av, Brooklyn, N. Y.

9793-4—Mills for Grinding Chemicals

ABBE PAUL O., INC. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
ABBE ENGINEERING CO., 38 Church, New York. *See adv index at end of book*
BARTLETT & SNOW CO. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Gruendler Patent Crusher & Pulverizer Co., 982 N. Main, St. Louis, Mo.
See adv index at end of book
Gump, B. F. Co., 431 S Clinton, Chicago, Ill.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O
See adv index at end of book
Kent Mill Co. ("Maxecon"), 10H, Rapelyea, Brooklyn, N. Y.
MEAD & CO., 19th & M. C. M. R. R., Detroit, Mich.
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Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
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Wilson Bros., Easton, Pa.
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9795— Mills (Glaze)

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See adv index at end of book

9796— Mills (Glue Grinding)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
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Gruendler Patent Crusher & Pulverizer Co., 982 N. Main, St. Louis, Mo.
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Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
Robinson H. Mfg. Co., Muncy, Pa.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

9797—Mills (Grinding & Crushing)

See also Machinery, Pulverizing
ABBE PAUL O., INC. ("Abbebilt"), 71A Murray, New York
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Hadfield-Penfield Steel Co. (The) (Glaze & Color Grinding), Bucyrus, O.
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Hardinge Co., 120 B'way, New York
HYDRAULIC PRESS MFG. CO., 24 Lincoln av, Mt. Gilead, O.
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Ivens Wm. H. Sons Co. (for Terra Cotta, Pottery & Marble Workers, for Grinding Only), P. O. Box 647, Trenton, N. J.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
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Kent Machine Works, 39 Gold, Brooklyn, N. Y.
Kent Mill Co., 10 Rapelyea, Brooklyn, N. Y.
Lane G. W. & C. A., Exeter, N. H.
MEAD & CO., 19th & M. C. M. R. R., Detroit, Mich.
Midland Crusher Pulverizer Co. ("Brainard"), 37 W Vanburen, Chicago, Ill.
Miller L. J. (Bone, Grain, Salt, Oil Cake, etc.), 1421 State, Cincinnati, O.
Mine & Smelter Supply Co. ("Marcy"), 42H B'way, New York
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Pennsylvania Crusher Co., Stephen Girard bldg., Phila., Pa.
Prosser Thos. & Son ("Krupp" Imp.), 15 Gold, New York
Raymond Bros. Impact Pulverizer Co., 1346 N Branch, Chicago, Ill.
ROBINSON H. MFG. CO., Muncy, Pa.
Ross Chas. & Son Co. (French Buhr), 148 Classon av, Brooklyn, N. Y.
Ross E. W. Co. ("Superior Duplex" Grinding), Springfield, O.
Simpson-Orville Co., 1230 Knowlton, Cincinnati, O.
Smith Theo. & Sons Co., Ft. Essex, Jersey City, N. J.
Sprout, Waldron & Co., Muncy, Pa.
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Waterville Foundry & Mfg. Co. (Paint, etc, Hand & Power), Waterville, N. Y.
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book
WILSON BROS. (Bone), Easton, Pa.
See adv index at end of book
Wolf Co., Chambersburg, Pa.
Worthington Pump & Machy. Corp. (Machinery), 115 B'way, New York

9798—Mills (Grist, Hand Power)

Bayley Wm. Co., Springfield, O.
Bell C. S. Co. ("Model"), Hillsboro, Ohio
Fate-Root-Heath Co. ("Rapid" & "Korn King"), Plymouth, O.
See adv index at end of book
Maybro Co. ("Maybro"), 80H Exchange, Binghamton, N. Y.
Rock Island Mfg. Co., Rock Island, Ill.
Wilson Bros., Easton, Pa.
See adv index at end of book

9798a— Mills (Hammer)

WILLIAMS PATENT CRUSHER & PULVERIZER CO., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

Mills (Hay Grinding)

See Mills, Feed Grinding

9799— Mills (Hollow)

See also Mills, Adjustable Hollow

Brown & Sharpe Mfg. Co. (With Inserted Blades, etc.), Providence, R. I.
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O. *See adv index at end of book*
Geometric Tool Co. ("Geometric," "Adjustable"), New Haven, Conn.
Morse Twist Drill & Machine Co., New Bedford, Mass.
National Tool Co. (Adjustable Solid, Cleveland, O. *See adv index at end of book*
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Rogers Jno. M. Works, Gloucester City, N. J.
Standard Tool Co., 6700 Central av, Cleveland, O.

9800— Mills (Huntington)

Allis-Chalmers Mfg. Co. (Cyanide Mill Grinding Equipment), Milwaukee, Wis.
See adv index at end of book
Mine & Smelter Supply Co., 42 B'way, New York
Walker Mfg. Co., Denver, Col.

9801— Mills (Ink Grinding)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
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Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
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Day J. H. Co., Cincinnati, O.
Gruendler Patent Crusher & Pulverizer Co., 982 N. Main, St. Louis, Mo.
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Ross Chas. & Son, 148 Classon av, Brooklyn, N. Y.
Specialty Shop The, 251 Minna, San Francisco, Calif.

Mills (Iron Cinder)

See Mills, Water Cinder

9802— Mills (Jar)

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Robinson H. Mfg. Co., Muncy, Pa.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Stover Mfg. & Engine Co., Freeport, Ill.
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book
Wolf Co., Chambersburg, Pa.

9804— Mills (Laboratory)

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9805—Mills (Leather Grinding)

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9805a— Mills (Lime Grinding)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
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9806— Mills (Malt)

Barnard & Leas Mfg. Co., Moline, Ill.
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Kaestner & Hecht Co. ("Kaestner" Non-Explosive), 500 Throop, Chicago, Ill.
Meyer Geo. J. Malt & Grain Co., 1316 Niagara, Buffalo, N. Y.
New York Mills (Roasting), 458 Greenwich, New York
Schurill Albert & Co., Traders bldg, Chicago, Ill.

9807— Mills (Mustard)

Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Bay Gottfried, 537 W 50th, New York
Kelso & Co., 557 W Quincy, Chicago, Ill.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

9808— Mills (Nut Grinding)

Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Greenlee Bros. & Co., 12th, Rockford, Ill.
Straub A. W. Co., 3745H Filbert, Phila., Pa.
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

9809— Mills (Oil Cake)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
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Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
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Murray Co., Dallas, Texas
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9810— Mills (Ore Sampling)

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Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.
Walker Mfg. Co., Denver, Col.
William A. Box Iron Works Co., 3309 Blake, Denver, Colo.
Wilson Bros., Easton, Pa.
See adv index at end of book

Mills (Paint Grinding)

See Paint Grinding & Mixing Machinery

Mills (Pebble Tube)

See Mills, Ball & Pebble

9811— Mills (Plate Rolling)

Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Mackintosh-Hemphill Co., 12th & Etna, Pittsburgh, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
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Morgan Engineering Co., Alliance, O.
National Roll & Foundry Co., Avonmore, Pa.
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
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United Engineering & Foundry Co., Farmers Bk. bldg, Pittsburgh, Pa.

9812— Mills (Prospecting)

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Worthington Pump & Mach'y Corp., 115 B'way, New York

9813— Mills (Pug)

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Arbuckle & Co., Rushville, Ind.
Arnold-Creagor Co., New London, O.
Bonnot Co., 722 Mulberry rd E E, Canton, Ohio
Brewer H. & Co., Tecumseh, Mich.
Crossley Machine Co. (Sagger Presses), State & Chestnut av, Trenton, N. J.
Freese E. M. & Co., Galion, O.
Hadfield-Penfield Steel Co. (The), Bucyrus, O. *See adv index at end of book*
National Engineering Co., 549 W. Washington blvd, Chicago, Ill.
Phillips & McLaren, 24th & Smallman, Pittsburgh, Pa.
Potts C. & A. Co., Indianapolis, Ind.
Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.
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See adv index at end of book
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See adv index at end of book
Gruendler Patent Crusher & Pulverizer Co., 982 N. Main, St. Louis, Mo.
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9814— Mills (Quartz)

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Golding Sons Co., Trenton, N. J.
Hassell Iron Works Co., Colorado Springs, Colo.
Hendy Joshua Iron Works (Central Feed Centrifugal Boiler), 75 Fremont, San Francisco, Cal.
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9815— Mills (Rice)

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Excel Mfg. Co., Pottersville, N. J.
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Squier Geo. L. Mfg. Co. ("Buffalo"), 490 Broadway, Buffalo, N. Y.
Wagner J. Mfg. Co., 165 Beale, San Francisco, Cal.
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
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9816— Mills (Rice Chaff)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
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Bauer Bros. Co., Bauer bldg, Springfield, O.
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

9816a— Mills (Rod)

See also Mills, Ball & Pebble

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
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Mackintosh-Hemphill Co., 12th & Etna, Pittsburgh, Pa.
Traylor Engng. & Mfg. Co., Allentown, Pa.
TREADWELL ENGINEERING CO., Easton, Pa. *See adv index at end of book*

9817—Mills (Roller Grinding)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
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Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Allis Chalmers Mfg. Co., Milwaukee, Wis.
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Barnard & Leas Mfg. Co. ("Barnard-Moline"), 403 20th, Moline, Ill.
Excel Mfg. Co. (For Graham Flour, etc), Potterville, N. J.
Great Western Mfg. Co. (Also Roller Feed), Leavenworth, Kan.
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Robinson H. Mfg. Co., Muncy, Pa.
Hoagland's M. Sons Co., Rockaway, N. J.
Nordyke & Marmon Co. (Double Two Pair, High Six Roller, etc.), Kentucky av & Morris, Indianapolis, Ind.
Simpson-Orville Co. (Corn & Wheat), 1230 Knowlton, Cincinnati, O.
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Walker Mfg. Co. (Patent Grinding), Denver, Colo.
Wolf Co., Chambersburg, Pa.

9818-9— Mills (Rosin)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
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Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Barnett Oscar Foundry Co. (Automatic), Irvington, N. J.
Brown A. & F. Co. ("Cogswell"), 79 Barclay, New York
Gruendler Patent Crusher & Pulverizer Co., 982 N. Main, St. Louis, Mo.
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Mackintosh-Hemphill Co., 12th & Etna, Pitsburgh, Pa.
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MEAD & CO., 19th & M. C. M. RR, Detroit, Mich.
Sly W. W. Mfg. Co., 4700 Frain av, Cleveland, O.
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
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9820— Mills (Scroll)

Robinson H. Mfg. Co., Muncy, Pa.
Sprout, Waldron & Co., Muncy, Pa.
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Wolf Co. ("Draver" & "Mitchell"), Chambersburg, Pa.

9821— Mills (Sheet & Tin Plate)

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Mackintosh-Hemphill Co., 12th & Etna, Pittsburgh, Pa.
See adv index at end of book
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book

9822— Mills (Shell End)

Am. Twist Drill & Tool Co., W Jefferson av & 21st, Detroit, Mich.
Barber-Colman Co., Rockford, Ill.
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O. *See adv index at end of book*
Cowles Tool Co.,2086 W 110th, Cleveland, O.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
National Tool Co., Cleveland, Ohio
See adv index at end of book
Reed-Prentice Co., 677 Cambridge, Worcester, Mass.
Standard Tool Co., 6700 Central av, Cleveland, O.

9823— Mills (Slabbing)

Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Mackintosh-Hemphill Co., 12th & Etna, Pittsburgh, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
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Morgan Engineering Co., Alliance, O.

9823a— Mills (Snuff Grinding)

Abbe Paul O. Co., 71A Murray, New York
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Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.

9823b— Mills (Soap Powder)

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Gruendler Patent Crusher & Pulverizer Co., 982 N. Main, St. Louis, Mo.
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Houchin-Aiken Co., 113 53d, B'klyn, N. Y.
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Sowers Mfg. Co., 1320 Niagara, Buffalo, N. Y.
Sprout, Waldron & Co., Muncy, Pa.
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See adv index at end of book

9823c— Mills (Spheroidal)

Townsend Foundry & Machine Shop Co., Broadway & Rensselaer, Albany, N. Y.
See adv index at end of book

9823d— Mills (Spice Grinding)

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Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
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Wilson Bros., Easton, Pa
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9824— Mills (Stamp)

Allis Chalmers Mfg. Co., Milwaukee, Wis.
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Bethlehem Shipbuilding Corp., Ltd., 20th & Michigan, San Francisco, Cal.
Caird Engineering Works, Helena, Mont.
Chalmers-Williams Mfg. Co. (Stamp Batteries & Accessories), 1461 Arnold, Chicago Heights, Ill.
Colorado Iron Works Co., Denver, Colo.
Denver Engineering Works, Denver, Colo.
Hallidie Co., Spokane, Wash.
Hammond Mfg. Co., Kamm bldg, Portland, Ore.
Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.
KENNEDY-VAN SAUN MFG. & ENG. CORP., 50 Church, New York
See adv index at end of book
Lombard Iron Wks. & Supply Co., Augusta, Ga.
McFarlane-Eggers Machinery Co., Denver, Colo.
McFarlane Mfg. Co., Denver, Colo.
Mecklenburg Iron Works, Charlotte, N. C.
Mine & Smelter Supply Co., 42 B'way, New York
Moyle E. H. Engineering & Equipment Co. ("Moyle" Portable Heavy Duty), 508 E. 9th, Los Angeles, Cal.
Nordberg Mfg. Co., Chicago & Oklahoma, Milwaukee, Wis.
Portage Lake Fdry & Mach Co., Hancock, Mich.
Stearns-Roger Mfg. Co., Denver, Col.
Straub Mfg. Co., Dept. H, 5th & Chestnut, Oakland, Cal.
Traylor Engineering & Mfg. Co., Allentown, Pa.
Union Iron Works, Spokane, Wash.
Vulcan Iron Works, Francisco & Kearny, San Francisco, Cal.
Walker Mfg. Co., Denver, Col.
William A. Box Iron Works Co., 3309 Blake, Denver, Colo.
Worthington Pump & Mach'y Corp., 115 Broadway, New York

9825— Mills (Strip)

TREADWELL ENGINEERING CO., Easton, Pa.
See adv index at end of book

9826— Mills (Structural)

Alliance Structural Co., Alliance, O.
Mackintosh-Hemphill Co., 12th & Etna, Pittsburgh, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
Morgan Engineering Co., Alliance, O.

9827— Mills (Sugar Cane)

Bell C. S. Co. ("Western" Sweep & Power, "Poderoso", "America", "Delta", "Tropic", "Monitor", "Globe", "Globe Special", "Jumbo", "Climax", "Atlas", "Monarch", "Progress", "Trojan"), Hillsboro, O.
Birmingham Mach. & Fdry Co., Birmingham, Ala.
Blymyer Iron Works Co., Cincinnati, O.
Chattanooga Plow Co., Carter & Main, Chattanooga, Tenn.
Coldwell-Wilcox Co., Newburgh, N. Y.
Columbus Iron Works, Columbus, Ga.
Cook Cane Mill & Evaporator Co. (For Sorghum), 200 N 2d, St. Louis, Mo.
Dibert Bancroft & Ross Co. Ltd., Tulane & Hagan av, New Orleans, La.
Dyer Co., 2031 Euclid av, Cleveland, O.
Excelsior Foundry Co., Belleville, Ill.
FARREL FOUNDRY & MACHINE CO., 30 Main, Ansonia, Conn.
See adv index at end of book
Fulton Iron Works Co., 1259 Delaware av, St. Louis, Mo.
Golden's Fdry & Mach. Co., Columbus, Ga.
Haubtman & Loeb Co. Ltd., 618 Magazine, New Orleans, La.
Honolulu Iron Works Co., 233 Broadway, New York
Hooven Owens Rentschler Co. ("Hamilton"), Hamilton, Ohio
International Harvester Co. ("McCormick-Deering," "Chattanooga"), Harvester bldg, Chicago, Ill.
Janney & Co., Montgomery, Ala.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
Krajewski-Pesant Corp., 227 Fulton, New York
Lombard Iron Works & Supply Co., Augusta, Ga.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
Nazareth Foundry & Machine Co., Nazareth, Pa.
Pioneer Iron Works, 149 Pioneer, Brooklyn, N. Y.
Pratt Engineering & Machine Co., Atlanta, Ga.
Reading Iron Co., Reading, Pa.
Rourke John & Sons, Savannah, Ga.
Schofield's J. P. Sons Co., Macon, Ga.
Southern Plow Co. ("Columbus," "Standard," "Horizontal"), Columbus, Ga.
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book
Squier Geo. L. Mfg. Co., Buffalo, N. Y.
Sugar Machinery Co., 129 W 2nd, Los Angeles, Cal.
Swoop Julian M., 913 Girod, New Orleans, La.
Thomasville Iron Works, Inc., Thomasville, Ga.
Vulcan Iron Works, Wilkes-Barre, Pa.
Wayte W. J. Inc. (Dirs), 5844 Grand Central Terminal, New York
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

9828— Mills (Swing Hammer)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
GRUENDLER PATENT CRUSHER & PULVERIZER CO., 982 N. Main, St. Louis, Mo. *See adv index at end of book*
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

9828a—Mills (Talc Grinding)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Gruendler Patent Crusher & Pulverizer Co., 982 N. Main, St. Louis, Mo.
See adv index at end of book
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

9828b— Mills (Tire Turning)

Betts Machine Co., 420 Blossom rd, Rochester, N. Y.
Niles-Bement-Pond Co., 111 Broadway, New York *See adv index at end of book*

Mills (Tube)

See Mills, Ball & Pebble
Also Pipe & Tube Mills
Also Pipe & Tube Mill Machinery

9829-30—Mills (Tumbling & Rumbling)

Cleveland Nickel Wks. (Steel Exhaust; & water), 1167 W 67th, Cleveland, O.
Dayton-Dowd Co. ("Dayton-Dowd" & "Reliable"), Quincy, Ill.
Henderson Bros. Co., 133 S Leonard, Waterbury, Conn.
Illinois Mfg. & Supply Co. (Exhaust Steel), Quincy, Ill.
Sly W. W. Mfg. Co. (Exhaust Steel), Cleveland, Ohio

9831— Mills (Water Cinder)

Cleveland Nickel Wks., 1167 W 67th, Cleveland, O.
Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
Eastern Machinery Co. ("Hill"), New Haven, Conn.
Hydraulic Press Mfg. Co., Mt. Gilead, O.
Illinois Mfg. & Supply Co. (Iron & Brass), Quincy, Ill.
Sly W. W. Mfg. Co. ("Sly" for Separating Iron & Coke from Cupola Dump), 4720 Train av, Cleveland, Ohio
Standard Equipment Co. ("Standard"), 63 Foote, New Haven, Conn.
Vulcan Iron Works, 327 N. Irving av, Chicago, Ill.

9832—Mills (Water Polishing)

Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
Henderson Bros. Co., 133 S Leonard, Waterbury, Conn.
Sly W. W. Mfg. Co., 4700 Train av, Cleveland, O.

Mills (White Lead)

See White Lead Machinery

9833—Mills (Wire Flattening)

Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
Standard Machinery Co., Providence, R. I.
Torrington Mfg. Co., Torrington, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

9834— Millstones

Tobler & Co., Inc. (French Buhr Imported, 115 Broad, New York

9834a—Mine Exploration Work

Metals Exploration Co., Hobart bldg, San Francisco, Cal.

9835—Mine Rescue Apparatus

American Atmos Corp. ("Paul" & "Draeger"), 105 W. 40th, New York
Hayward S. F. & Co. ("Westfalia"), 250 W 54th, New York
Mine Safety Appliances Co., 909 Chamber of Commerce bldg, Pittsburgh, Pa.

Mine Supplies

See Firms in Mill & Factory Supplies, with the word Mine following name

9836—Mine Supplies (Electric)

American District Steam Co. ("Rotometer" "St. John" Steam & "Simplex" Condensation), N Tonawanda, N. Y.
Commercial Electrical Supply Co., B'way & Spruce, St. Louis, Mo.
Cooke Wilson Electric Supply Co. (Dirs.), Imperial Power bldg, Pittsburgh, Pa.
Doubleday-Hill Electric Co., 719 Liberty av, Pittsburgh, Pa.
Electrical Material Co., 618 W Jackson blvd, Chicago, Ill.
Electric Railway Equipment Co., Cincinnati, Ohio
Gee Electric Co., Wheeling, W. Va.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Iron City Electric Co., Pittsburgh, Pa.
Johns-Manville H. W. Co., Madison av & 41st, New York
Kester Electric Co., Terre Haute, Ind.
Lawrence F. D. Electric Co., 219 W 4th, Cincinnati, Ohio
MILL & MINE SUPPLY CO., P. O. Box 432, Akron, O.
See adv index at end of book
Ohio Brass Co., Mansfield, O.
Post Glover Electric Co., 308 W 4th, Cincinnati, O.
Ross-Willoughby Co., 178 N. 3rd, Columbus, Ohio
Sackett Mine Supply Co., 164 N 3d, Columbus, Ohio
Union Electric Co., 81 Terminal Way, Pittsburgh, Pa.
Wesco Supply Co., 7th & Clark, St. Louis, Mo.
Western Electric Co., 463 West, New York
Western Plumbing Supply Co., 3228 Fillmore, Chicago, Ill.
Westinghouse Electric Mfg. Co., East Pittsburgh, Pa.

9837— Mine Timbers (Steel)

Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
Fleming J. R. & Son, Co., Scranton, Pa.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
SERFAS LUMBER CO., (Wood Only), Drake bldg, Easton, Pa.

9838— Mineral Colza

Standard Oil Co. of N. Y., 555 W 25th, New York
Union Petroleum Co., Widener bldg, Phila., Pa.

9839— Mineral Wool Mfrs.

Acme Asbestos Covering & Flooring Co., 234 N Elizabeth, Chicago, Ill.
See adv index at end of book
Banner Rock Products Co., Alexandria, Ind.
Columbia Mineral Wool Co., 1149 E 51st, Chicago, Ill. Works: S Milwaukee, Wis.
Johns-Manville H. W. Co., Madison av & 41st, New York
Union Fibre Co. Inc., Winona, Minn.
United States Mineral Wool Co., 280 Madison av, New York

9840— Minerals (Rare)

See also Ores, Rare

Earle E. P., 165 B'way, New York
Philipp Brothers (Imp.), 29 B'way, New York

9841—Miners' Needles & Scrapers

Hardsocg Mfg. Co. (Steel & Copper), Ottumwa, Ia.
Hardsocg Martin Co., 922 South av, Pittsburgh, Pa.
Iron City Tool Works (Ltd.), 3201 Smallman, Pittsburgh, Pa.
Klein-Logan Co., 13th & Breed, Pittsburgh, Pa.
Leetonia Tool Co. (Steel & Copper), Leetonia, Ohio
Salem Tool Co. (Steel & Copper), Salem, Ohio
Warwood Tool Co., 19th, Warwood, Wheeling, W. Va.
What Cheer Tool Co., What Cheer, Ia.

9842— Minglers (Sugar)

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

9843—Mining Salt (Mixed Bromides & Bromates)

Cooper & Cooper Inc. (Bromides), 23H Cliff, New York
Dow Chemical Co., Midland, Mich.
Merck & Co., 45 Park pl., New York

9844-5— Minnows

Bonafide Mfg. Co. (Aluminum), Plymouth, Mich.
Detroit Rack Co., 2545 Elmwood av, Detroit, Mich.
Heddon Jas. & Son (Artificial), Dowagiac, Mich.

9845a— Mirror Mfrs.

Am. Mirror Wks. (Beveled, etc.), Butler, Pa.
Bendit, Drey & Co., Inc., 188 Franklin, New York
Borin Mfg. Co. (Framed), 837 S. Western av, Chicago, Ill.
Central Specialty Mfg. Co., 508 S Peoria, Chicago, Ill.
Clinton Glass Co., 1000 W 21st, Chicago, Ill.
Conant Bros. Co. ("Sanoid" Bath Room), Somerville, Mass.
Conroy-Prough Co. (Art, Fancy, Magnifying, Augmentative, Kitchen & Novelty), 1430 Western av, Pittsburgh, Pa.
Fiberloid Corp ("Rosemont"), Dept. H, Indian Orchard, Mass.
Fuller W. P. & Co. (Dirs.), Dept. H, Tacoma, Wash.
Madden Glass Co. (Beveled & Silvered), Aberdeen, S. D.
Nurre Mirror Plate Co. (Framed Mirrors), Bloomington, Ind.
Schiefer & Sons, 8th & J, San Diego, Cal.
Specialty Mfg. Co. ("Boilo" Dental & Surgical), 420 E 149th, New York
Standard Plate Glass Co., 30 Sudbury, Boston, Mass.
Vaughan Novelty Mfg. Co. (Metal Embossed), 711 Fulton, Chicago, Ill.

9846— Mirrors (Advertising)

Alpha Mirror Mfg. So., 115 Spring, New York
Bache, Semon & Co., 636 Greenwich, New York
Chicago Mirror & Art Glass Co., 216 N Clinton, Chicago, Ill.
JOHNSTON J. W. (Snow White Paint for lettering, etc.), Neu Artz bldg, Rochester, N. Y.
National Sheet Metal Co. (Hand, Pocket, etc), Peru, Ill.
Tarentum Beveling & Mirror Wks., Tarentum, Pa.
Vaughan Novelty Mfg. Co. (Metal Embossed), 711 Fulton, Chicago, Ill.

9847— Mirrors (Automobile)

Acme Specialty Mfg. Co., Toledo, Ohio
Ames, Bonner Co. ("A. B. C."), Toledo, O.
Alexander Mirroscope Co. ("Mirroscope"), Riverdale av, New York
Amesbury Bent Glass Co., Amesbury, Mass.
Ansonia Mfg. Co., Ansonia, Conn.
Auto Glass & Mirror Corp., 314 Jefferson av, Buffalo, N. Y.
Boston Mirror Co. (Frameless, etc.), 129 Portland, Boston, Mass.
Berger & Co. ("Cop-Spotter"), 1851 S Hope, Los Angeles, Cal.
Chicago Mirror & Art Glass Co., 216 N Clinton, Chicago, Ill.
Church C. F. Mfg. Co. ("White Pyralin"), Dept. H, Holyoke, Mass.
Columbus Brass Co., 538 Dublin av, Columbus, O. *See adv index at end of book*
Conroy-Prugh Co., 1430 Western av, Pittsburgh, Pa.
Cooke Jos. S., 20 Jacob, New York
Eustis J. P. Mfg. Co. (Brasscrafters), Cambridge, Mass.
Galard Co. ("Omaha"), 335 6th av, Newark, N. J.
Gallagher P. J., 24 New Chambers, New York
Hoeft & Co. ("Hoco"), 400 N Ashland av, Chicago, Ill.
Johnston Mfg. Co. ("Johnston"), 451 E Ohio, Chicago, Ill.
KALES STAMPING CO. ("Hindview"), 1680 W Lafayette blvd, Detroit, Mich. *See adv index at end of book*
Kaufman Chas. & Sons, 1623 E 1st, Santa Ana, Cal.
Kilbourne & Clark Mfg. Co., 101 Spokane, Seattle, Wash.
Liberty Works, Egg Harbor City, N. J.
Metal Crafters, East Stroudsburg, Pa.
Moswell Mfg. Co., 175 Grand, New York
Parker Chas. Co., Meriden, Conn.
Rosen A. W. & Co. ("Roscoe"), 610 B'way, New York
Standard Glass Specialty Co., Morgantown, W. Va.
Standard Plate Glass Co., 30 Sudbury, Boston, Mass.
Starr Bros. Bell Co., East Hampton, Conn.
Unbreakable Mirror Co. ("Reflecto"), Hackettstown, N. J.
Weber-Knapp Co. (Extension Bracket), Jamestown, N. Y.
Whitehouse E. A. Mfg. Co. ("Autoscope"), 44 Elm, Newark, N. J.
Wildenberg Bros. ("W.B."), 356 W 50th, New York

9848— Mirrors (Bath Room)

Alpha Mirror Mfg. Co., 115 Spring, New York
Chicago Mirror & Art Glass Co., 216 N Clinton, Chicago, Ill.
Columbus Brass Co., 620 Dublin av, Columbus, Ohio
See adv index at end of book
Conant Bros. Co. ("Sanoid"), Somerville, Mass.
Cowles C. & Co., New Haven, Conn.
Eustis J. P. Mfg. Co. ("Brasscrafters"), 16 Ames, Cambridge, Mass.
Kales Stamping Co. ("Hindrew"), 441 W Lafayette, Detroit, Mich.
See adv index at end of book
Riley-Klotz Mfg. Co., 17 Mulberry, Newark, N. J.
Searls Mfg. Co., 29 Mulberry, Newark, N. J.

9849— Mirrors (Hand)

Alpha Mirror Mfg. Co., 115 Spring, New York
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Celluloid Co. (Celluloid), 36 Washington pl, New York
Conroy-Prugh Co., 1430 Western av, Pittsburgh, Pa.
Dennins O. Sons, Troy, N. Y.
DU PONT E. I. DE NEMOURS & CO. INC., Pyralin Division ("Pyralin"—See Adv. at Celluloid), Arlington, N. J.
See adv index at end of book
Florence Mfg. Co. ("Florence"), Dept. H, Florence, Mass.
Grote F. & Hubbell Co., 82 4th av, New York
Liberty Mirror Works, 6615 Kelly, Pittsburgh, Pa.
Pacific Novelty Co. ("Elpho" Ivory), 41 E 11th, New York
Schimper William & Co., 332-338 Ferry, Hoboken, N. J.
Warren Mirror Works, Warren, Pa.

9850— Mirrors (Lamp)

Bausch & Lomb Optical Co., Rochester, N. Y.

9851— Mirrors (Mangin)

American Glass Co., 109 N Los Angeles, Los Angeles, Cal.

9852— Mirrors (Plate Glass)

American Mirror Co., 160 Reed, Milwaukee, Wis.
Am. Mirror Wks., Butler, Pa.
Anderson Geo. H. & Co., 1467 W Austin av, Chicago, Ill.
Bache, Semon & Co., 636 Greenwich, New York
Borin Mfg. Co., 837 S. Western av, Chicago, Ill.
Boston Mirror Co., 129 Portland, Boston, Mass.
Building Supplies Corp., Norfolk, Va.
California Glass Co., 510 Commercial, Los Angeles, Cal.
Central Door & Lumber Co., E. 24th & Holgate, Portland, Ore.
Central Glass Co., Inc., Evansville, Ind.
Chicago Mirror & Art Glass Co., 216 N Clinton, Chicago, Ill.
Cobbledick-Kibbs Glass Co., 3d & Washington, Oakland, Cal.
Conroy-Prugh & Co., 1430 Western av, Pittsburgh, Pa.
Denier's S. Son (French), 27 Bleecher, New York
Detroit Mirror Works, 2132 Baker, Detroit, Mich.
Dixon Glass Co., E 31st & Griffith, Los Angeles, Cal.
Donnelly J. R. Co., 54 Classon av, Brooklyn, N. Y.
Elias Joseph & Co., Inc., Jackson av, Long Island City, N. Y.
Falconer Mirror Co., Falconer, N. Y.
Hadley-Dean Glass Co., 11th & Lucas av, St. Louis, Mo.
Hart Mirror Plate Co., Grand Rapids, Mich.
Haskins Art Glass Co., Rochester, N. Y.
Hires, Turner Glass Co., 30th & Walnut, Phila., Pa.
Jackson Glass Works, Jackson, Mich.
Morgan Co., Oshkosh, Wis.
National Mirror Works (All Kinds), Rockford, Ill.
Oregon Mirror & Beveling Wks., 105 N 5th, Portland, Ore.
Pacific Glass Co., Inc., 721 E 61st, Los Angeles, Cal.
Paulsen-Brooks Mfg. Co., 766 E. 12th, Los Angeles, Cal.
Pioneer Plate & Window Glass Co., 1026 Mission, San Francisco, Cal.
Pittsburgh Plate Glass Co., Frick bldg, Pittsburgh, Pa.
Popper Leo & Sons, 143 Franklin, New York
Puget Sound Art Glass Co., 514 Westlake av N, Seattle, Wash.
Raphael Glass Co., 829 S Los Angeles, Los Angeles, Cal.
Saginaw Mirror Wks., Saginaw, Mich.
Schrenk & Co., Hoboken, N. J.
Schussler Bros. (Oriental & Period), 326 Grove, San Francisco, Cal.
Standard Art Glass Works, 3237 Adeline, Berkeley, Cal.
Standard Glass Specialty Co., Morgantown, W. Va.
Tyre Bros. Glass Co., 1314 B'way, Fresno, Cal.
Tyler & Hippach, 366 W Ohio, Chicago, Ill.
Von Gerichten Art Glass Co., 557 So High, Columbus, O.
Western Sand Blast Mfg. Co., 1458 W Kinzie, Chicago, Ill.
Williamsport Mirror & Glass Co., Williamsport, Pa.
Zahn & Bowly Co., Rutherford, N. J.

9853— Mirrors (Searchlight)

Bausch & Lomb Optical Co., Rochester, N. Y.

9854— Mirrors (Shaving)

Alpha Mirror Mfg. Co., 115 Spring, New York
Conroy-Prugh Co., 1430 Western av, Pittsburgh, Pa.
Franks Mfg. Co., Rock Island, Ill.
McLeod, Ward & Co., 430 11th av
Schimper William & Co., 332-338 Ferry, Hoboken, N. J.
Weber-Knapp Co. (Adjustable), Dept. H, Jamestown, N. Y.
Wilson Co. A. B., 1051 Power bldg, Cleveland, O.

9855— Mirrors (Shock)

Allison & Doughty, 559 W 37th, New York
Bache, Semon & Co., 636 Greenwich, New York
Standard Glass Specialty Co., Morgantown, W. Va.
Zahn & Bowly Co., Rutherford, N. J.

9856— Mirrorscopes

Novelty Mfg. Co. ("Bellamy"), Waterbury, Conn.

9857— Mitre Scales

Reeves Mfg. Co., Milford, Conn.

9858— Mitres (Copper)

Hussey C. G. & Co., 2850 2d av, Pittsburgh, Pa.
York Corrugating Co., York, Pa.

Mitts (Catchers)

See Gloves, Baseball, Boxing & Fencing

MIXERS

Mixing equipment of any design for paint works, chemical plants and other industries for mixing materials of any kind. Special types made to suit requirements. Also special tubs and tanks used in connection with standard type mixers.

L. O. KOVEN & BROTHER, Inc.
154 Ogden Avenue, Jersey City, N. J.

9859— Mixers (Air)

Combustion Utilities Corp., 8-10 Bridge, New York
Kemp C. M. Mfg. Co., 405 E Oliver, Baltimore, Md.
McRae & Roberts Co., 100 S Campbell, Detroit, Mich.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

9859a—Mixers (Aniline Colors)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Johnson John Co., 37th & 2nd av, Brooklyn, N. Y.
National Engineering Co., 549 W. Washington blvd, Chicago, Ill.
Robinson H. Mfg. Co., Muncy, Pa.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book

9860— Mixers (Asphalt)

Austin Machinery Corp., Door at Westwood av, Toledo, Ohio
Baker Iron Works, 950 N B'way, Los Angeles, Cal.

(Continued on following page)

Mixers (Asphalt)—Continued

Barber Asphalt Co. ("Iroquois"), Land Title bldg, Phila., Pa.
Cummer F. D. & Son Co., H, Hanna bldg, Cleveland, Ohio
East Iron & Machine Co. ("Merriman"),t 351 E Market, Lima, O.
Equitable Asphalt Maintenance Co. ("Equitable"), 1901 Campbell, Kansas City, Mo.
Erie Machine Shops, Erie, Pa.
Geiger Iron Works, Scott & Union, Stockton, Cal.
Hetherington & Berner, Indianapolis, Ind.
Madsen Iron Works, 5529 Bicket, Huntington Park, Cal.
Pioneer Iron Wks., 149 Pioneer, B'klyn, N. Y.
Rockwell L. A. Co., 430 Smith, Brooklyn, N. Y.

9861— Mixers (Bleach)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Johnson John Co., 37th & 2nd av, Brooklyn, N. Y.
Manitowoc Engineering Works, Manitowoc, Wis.

9862—Mixers (Bread & Cake)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Carpenter L. A., Press Metal Co. ("Economy"), Cambridge, Mass.
Central Stamping Co., 206 B'way, New York
Christiana Machine Co., Christiana, Pa
Fitchburg Machine Wks. ("Mixobeater" Machines), 64 Main, Fitchburg, Mass.
Gem Stamped Steel Co. ("Kned-Full"), Chelsea, Mass.
Hobart Mfg. So. (Electric Bread), Troy, Ohio
Landers, Frary & Clark ("Universal"), New Britain, Conn.
Manning, Bowman & Co. ("Eclipse"), Meriden, Conn.
Read Machinery Co. ("Read"), York, Pa.
Rockwell L. A. Co., 430 Smith, Brooklyn, N. Y.
Roseland Can & Specialty Co. ("American"), Rockford, Ill.
Triumph Mfg. Co., Cincinnati, Ohio

9863— Mixers (Cement)

Cardington Cabinet Co. ("Diamond"), Cardington, O.
Girnau Mfg. Co., Eau Claire, Wis.
Martin Iron Wks., 1222 E 28th, Los Angeles, Cal.
Sheldon Engine & Sales Co., Waterloo, Ia.
SMITH T. L. CO., 1151 32d, Milwaukee, Wis. *See adv index at end of book*
Southern Steel Products Co., H, Va. Railway & Power bldg, Richmond, Va.
Straub Mfg. Co., 5th & Chestnut, Oakland, Cal.
Wilson Machy. Co., 301H 35th, Chicago, Ill.

9864— Mixers (Chemical)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Day J. H. Co., 1144H Harrison av, Cincinnati, Ohio
Gedge-Gray Co., Dept. H, Lockland, Ohio
Ideal Concrete Machinery Co. (DUST-PROOF MIXERS. Hooded and drum type for mixing chemical powders and discharging directly into bins or baggage machines), 5007 Spring Grove av, Cincinnati, O.
National Engineering Co., 549 W. Washington blvd, Chicago, Ill.
See adv index at end of book
Robinson H. Mfg. Co., Muncy, Pa.
Sowers Mfg. Co. ("Dopp"), 1320 Niagara, Buffalo, N. Y.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.

9864a Mixers (Chocolate)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York
See adv index at end of book
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
East Iron & Machine Co., 351 E Market, Lima, O.
National Engineering Co., 549 W. Washington blvd, Chicago, Ill.
Racine Confectioners' Machinery Co., Racine, Wis.
Robinson H. Mfg. Co., Muncy, Pa.
Rockwell L. A. Co., 430 Smith, Brooklyn, New York
Sowers Mfg. Co. ("Dopp"), 1320 Niagara, Buffalo, N. Y.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book

9865— Mixers (Clay)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York
See adv index at end of book
Anderson Fdry. & Mach. Wks., Anderson, Ind.
Baker's Sons J & Perkins Co., Inc., White Plains, N. Y.
BARTLETT & SNOW CO. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Fernholtz Brick Machinery Co., Boyle & Vandeventer, St. Louis, Mo.
Industrial Supply Co., Keokuk, Ia.
Johnson John Co., 37th & 2nd av, Brooklyn, N. Y.
Manitowoc Engineering Wks., Manitowoc, Wis.
Marion Machine, Foundry & Supply Co. ("Rust"), Marion, Ind.
National Engineering Co., 549 W. Washington blvd, Chicago, Ill.
Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.
Straub Mfg. Co., 5th & Chestnut, Oakland, Cal.
Wilson Geo. B. Co., 308 E 3d, Los Angeles, Cal.

9865a— Mixers (Concrete)

See also Concrete Mixers

Austin Machinery Corp., Railway Exchange bldg, Chicago, Ill.
BROWN & SITES CO., 30 Church, New York
CHAIN BELT CO. ("Rex"), 746 Park, Milwaukee, Wis.
See adv index at end of book
Green L. A., First Nat'l. Bank bldg., Pittsburgh, Pa.
Koehring Company ("Dandie"), 31st & Concordia av, Milwaukee, Wis.
Lakewood Engng. Co., Cleveland, Ohio
Meyer Henry H. Co. (Dirs), 110 S Howard, Baltimore, Md.
See adv index at end of book
Ohio Machine & Boiler Co., 1510H University rd, Cleveland, Ohio
Smith T. L. Co. ("Smith"), 1151 32d, Milwaukee, Wis.
See adv index at end of book

9866— Mixers (Drink)

Arnold Electric Co. ("Arnold" Electric), Racine, Wis.
Electric Mfg. Co. ("Solar"), 966 Mission, San Francisco, Cal.
Fulton-Bell Co., 451 Greenwich, New York
Hamilton Beach Mfg. Co. ("Hamilton Beach," Electric), Racine, Wis.
Seilke H. A. & Co., San Francisco, Cal.
Shelton Elec. Co. (Electric), 16H E 42d, New York
White-Stokes Co. (Cream Whipper), 3615 Jasper pl, Chicago, Ill.
Wisconsin Electric Co., 1602 Junction av, Racine, Wis.

9867— Mixers (Feed)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Excel Mfg. Co. (Alfalfa & Molasses), Pottersville, N. J.
Howes S. Co., Silver Creek, N. Y.
Reynolds Electric Co., 2650 W Congress, Chicago, Ill.
ROBINSON H. MFG. CO., Muncy, Pa.
Savage W. J. Co., Knoxville, Tenn.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
WILSON BROS. (Hand & Power Bone, Grain), Easton, Pa.
See adv index at end of book

9868— Mixers (Fertilizer)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York. *See adv index at end of book*
Atlanta Utility Works (Rotary Batch Mixers), East Point, Ga.
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
BARTLETT & SNOW CO. C. O., 6350 Harvard av, Cleveland, Ohio
See adv index at end of book
Dempwolf C. H. & Co., York, Pa.
Dunning & Boschert Co., Inc., 379 W Water, Syracuse, N. Y.
See adv index at end of book
Lakewood Engineering Co., Cleveland, O.
POOLE ENGINEERING & MACHNE CO., Woodberry, Baltimore, Md.
See adv index at end of book
Ransome Concrete Machinery Co., Dunellen, N. J.
Sackett A. J., cor 4th av & 1st, Baltimore, Md.
Smith T. L. Co. (Silo), 1151 32nd, Milwau-Milwaukee, Wis.
See adv index at end of book
Social Circle Mfg. Co., Social Circle, Ga.
Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.
Sturtevant Mill Co., Clayton & Park, Dorchester, Boston, Mass.
Walker & Elliott, Wilmington, Del.

9869—Mixers (Flour & Baking Powder)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York. *See adv index at end of book*
Allis-Chalmers Mfg. Co. (Flour Mill), Milwaukee, Wis. *See adv index at end of book*
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Day J. H. Co., Cincinnati, O.
Dunning & Boschert Press Co., Inc., 379 W Water, Syracuse, N. Y.
See adv index at end of book
Howes S. Co. Inc., Silver Creek, N. Y.
Read Machinery Co. ("Three Speed"), York, Pa.
ROBINSON H. MFG. CO., Muncy, Pa.
Ross Chos. & Son Co., 148 Classon av, Brooklyn, N. Y.
Savage W. J. Co., Knoxville, Tenn.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book

Mixers (Foundry Sand)

See Sand Mixing Machines

9870— Mixers (Gas)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Combustion Utilities Corp., 8-10 Bridge, New York
Cullen & Atkinson Co. ("Monitor"), 122 Allyn, Hartford, Conn.
Detroit Brass & Malleable Works, 1117 Holden, Detroit, Mich.
Hays Mfg. Co., Erie, Pa.
See adv index at end of book
Johnson Gas Appliance Co. ("Johnson"), Dept. H, Cedar Rapids, Ia.
Kemp C. M. Mfg. Co. ("Climax"), 405 E Oliver, Baltimore, Md.
Meese & Gottfried Co., 19th & Harrison, San Francisco, Cal.
McRae & Roberts Co., 100 S Campbell av, Detroit, Mich.
SURFACE COMBUSTION CO., THE, 334 Gerard av, Bronx, New York
See adv index at end of book

9871— Mixers (Glass Batch)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Dixon H. L. Co., Rosslyn Rd., Carnegie, Pa.
Smith T. L. Co. ("Smith"), 1151 32nd, Milwaukee, Wis.
See adv index at end of book

9872— Mixers (Grout)

Binswanger & Co., Richmond, Va.
Lakewood Engineering Co., Cleveland, O.
National Engineering Co., 549M W. Washington blvd, Chicago, Ill.
Ransome Concrete Machinery Co. ("Caniff" Pneumatic), Dunellen, N. J.
Union Iron Works, Hoboken, N. J.

9872a—Mixers (Heavy Compound Kneaders)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
National Engineering Co., 549 W. Washington blvd, Chicago, Ill.

9873— Mixers (Hot Metal)

Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
Penna Engng. Works, New Castle, Pa.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
Variety Iron & Steel Wks. Co., Hamilton av & E 40th, Cleveland, O.

9874— Mixers (Ice Cream)

Creamery Package Mfg. Co. ("Wizard"), 61 W. Kinzie, Chicago, Ill.

9875— Mixers (Liquor)

New York Stamping Co., ("Empress"), N 11th & Berry, Brooklyn, N. Y.
Sweeney W. H. Mfg. Co., 30 Main, Brooklyn, N. Y.

9876—Mixers (Lubricating Compounds)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Baker's Sons J. & Perkins Co. Inc., White Plains, N. Y.

Ross, Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.
Sowers Mfg. Co., 1320 Niagara, Buffalo, N. Y.

9877— Mixers (Mayonnaise)

Fitchburg Machine Works ("Mixobeater" Machines), 64 Main, Fitchburg, Mass.
Landers, Frary & Clark ("Universal"), New Britain, Conn.

9878— Mixers (Mortar)

See also Concrete Mixers

Archer Iron Works, 2436 W 34th pl, Chicago, Ill.
Austin Machinery Corp., Dorr at Westwood av, Toledo, Ohio
Blystone Mfg. Co., Cambridge Springs, Pa.
C. H. & E. MFG. CO. (Engine Driven), 254 Mineral, Milwaukee, Wis.
See adv index at end of book
Conveyor Co., 140 W. Elmyra, Los Angeles, Cal.
Kent Machine Co., Kent, Ohio
Lakewood Engineering Co., Beren rd & Highland av, Cleveland, Ohio
Lansing Co., Lansing Mich.
Laun Machine Co., 541 W 43rd, Chicago, Ill.
Monighan Machine Co. ("Monighan"), 2032 Carroll av, Chicago, Ill.
National Engng. Co., 549 W Washington blvd, Chicago, Ill.
National Engineering Co., 549 W Washington blvd, Chicago, Ill.
Northfield Iron Co. ("Northfield"), Northfield, Minn.
Ransome Concrete Machinery Co., Dunellen, N. J.
Walker & Elliott, Wilmington, Del.

9878a—Mixers (Nitrotoluol or "T N T")

Luther Mfg. Co., Olean, N. Y.

9879— Mixers (Paint)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
BARTLETT & SNOW CO. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Conveyor Co. (Dry Color), 140 W Elmyra, Los Angeles, Cal.
Gedge-Gray Co., Lockland, O.
National Engng. Co., 549 W Washington blvd, Chicago, Ill.
Robinson H. Mfg. Co. (Dry Only), Muncy, Pa.
Sowers Mfg. Co., 1320 Niagara, Buffalo, N. Y.
Sprout Waldron & Co., Muncy, Pa.
See adv index at end of book

Mixers (Paint, Power)

See Paint Grinding & Mixing Machinery

9880— Mixers (Pan)

NATIONAL ENGINEERING CO., 549 W Washington blvd, Chicago, Ill.
Tropenas Converter Co., 2243 Nostrand av, Brooklyn, N. Y.

9881— Mixers (Paste)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
BARTLETT & SNOW CO. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
National Engineering Co., 549 W Washington blvd, Chicago, Ill.
Sowers Mfg. Co., 1320 Niagara, Buffalo, N. Y.
Stokes F. J. Machine Co., 6138 Tabor, Phila., Pa.

9881a— *Mixers (Paving)

SMITH T. L. CO., 1151 32nd, Milwaukee, Wis. *See adv index at end of book*

9882— Mixers (Plaster)

See also Mills, Grinding

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
BARTLETT & SNOW CO. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Day J. H. Co., Cincinnati, O.
Dunning W. D. ("Broughton"), Syracuse, N. Y.
Dunning & Boschert Press Co., Inc., 379 W Water, Syracuse, N. Y.
See adv index at end of book
Ehrsam J. B. & Sons Mfg. Co. ("Enterprise"), Enterprise, Kan.
National Engineering Co., 549 W Washington blvd, Chicago, Ill.
Northfield Iron Co. ("Northfield"), Northfield, Minn.
Ransome Concrete Machinery Co., Dunellen, N. J.
Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.

9882a— Mixers (Portable)

KOVEN L. O. & BRO. INC., 154 Ogden, Jersey City, N. J.

9883— Mixers (Poultry Food)

Excel Mfg. Co., Pottersville, N. J.

9883a— *Mixers (Road)

Smith T. L. Co., 1151 32nd, Milwaukee, Wis.
See adv index at end of book

9884— Mixers (Rubber)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Birmingham Iron Foundry ("Birmingham-Banbury" Enclosed), Derby, Conn.
Day J. H. Co. ("Day" "Imperial"), Harrison & Bogen, Cincinnati, Ohio
East Iron & Machine Co., 351 E Market, Lima, O.
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book

Mixers (Sand)

See Sand Mixing Machines

9885—Mixers (Sausage Meat)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Brecht Co., 1201 Cass av, St. Louis, Mo.
Smith's John E. Sons Co. ("Buffalo Silent"), 50H Broadway, Buffalo, N. Y.

9885a—Mixers (Steam Jacketed)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Day J. H. C., Cincinnati, O.
Gedge-Gray Co., Lockland, O.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Sowers Mfg. Co. ("Dopp"), 1320 Niagara, Buffalo, N. Y.
Stokes F. J. Machine Co., Phila., Pa.,
Straub Mfg. Co., 5th & Chestnut, Oakland, Cal.

9886— Mixers (White Lead)

See also Mixers, Paint

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
BARTLETT C. O. & SNOW CO., French, Cleveland, O.
See adv index at end of book
National Engng. Co., 549 W Washington blvd, Chicago, Ill.
POOLE ENGINEERING & MACHINE CO., Woodberry, Baltimore, Md.
See adv index at end of book
Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.

9887— Mixers & Sifters

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York
See adv index at end of book

MIXERS
NEW STYLE — EASILY CLEANED
ROLLER BEARING—EXTRA HEAVY
REMOVABLE AGITATOR
ABBÉ ENGINEERING CO.
38 CHURCH ST. PHONE
NEW YORK CORTLANDT 0055

Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Darby Edward J. & Son, 319 Vine, Phila., Pa. *See adv index at end of book*
Johnson John Co., 37th & 2nd av, Brooklyn, N. Y.
National Engng. Co., 549 W Washington blvd, Chicago, Ill.
Robinson H. Mfg. Co., Muncy, Pa.
Sprout Waldron & Co., Muncy, Pa.
See adv index at end of book

9888— Mocassins

Metz & Schloerb (Indian), Oshkosh, Wis.
Russell W. C. Mocassin Co., Berlin, Wis.

9889— Modelers & Sculptors (Architectural)

Architectural Decorating Co., 1600 S Jefferson, Chicago, Ill.
Church Art Work Co., Mt. Vernon, N. Y.
Decorators' Supply Co., Archer av & Lee, Chicago, Ill.
Dux Jos., 2112 W Van Buren, Chicago, Ill.
Emmel Chas. & Rose Co., 388 Albany, Boston, Mass.
Emmel Co., 81 Bristol, Boston, Mass.
Evans John & Co., 77 Huntington av, Boston, Mass.
Fischer & Jirouch Co., 4821 Superior av, Cleveland, O.
Francini C., Lexington av & 35th, New York
Haigermoser Jos., 7743 Canfield av, Detroit, Mich.
Harnisch Ad A., Syracuse, N. Y.
Klee-Thomson Co., 327 E 40th, New York
Koppe & Steinichen, Atlanta, Ga.
Lamb J. & R., 25 6th av, New York
Lombard & Ludwig, 309 14th N W, Washington, D. C.
Milwaukee Ornamental Carving Co., 423 Poplar, Milwaukee, Wis.
Nygard Alfred F., 290 Woodward, Detroit, Mich.
Piccirilli Bros., 467 E 142d, New York
Rackle Geo. & Sons Co. (Artificial Stone), A. B. C. Line, Cleveland, O.
Schneider F. H., 631 W Belden av, Syracuse, N. Y.
Seifert Frank A. Plastic Relief Co., 5137 Maple, St. Louis, Mo.
Shaw & Co., 864 N. Franklin, Phila., Pa.
Tiffany Studios, 361 Madison av, New York
Van Malderen F., 5th & Jurnonville, Pittsburgh, Pa.
Voigt Co., 1743-1749 N 12th, Phila., Pa.
Walter G. E., 157 E 44th, New York
Watkins Co., 2227 Maple av, Los Angeles, Cal.

9890—Models (School, Drawing & Geometrical—Wooden)

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

9891—Models & Experimental Work

See also Pattern & Model Makers

Acme Mfg. Co., 1647 Howard, Detroit, Mich.
Adams Campbell Co., 1730 S Los Angeles, Los Angeles, Cal.
Allen Wrench & Tool Co., 754 Eddy, Providence, R. I.
Atlas Indicator Works, 160H N Wells, Chicago, Ill.
Atlas Tool Works, 488 John, Bridgeport, Conn.
Baillard E. V. Co., 19 Roosevelt, New York
Baird Machine Co., Stratford av, Bridgeport, Conn.
Baldwin C. S. Mfg. Co., Cherry, Milford, Conn.
Bedford Aluminum & Specialty Co., 4 Reade, New York
Belcher George E. Machine Co., 12 North av, Wakefield, Mass.
Berggren & Pearson Machine Co., 221 Canal, New York
Bernard F. J., Stock Exchange bldg, Portland, Ore.
Binns Machine & Tool Works, 71 Perry, San Francisco, Cal.
Blount Engineering Co., 100 High, Boston, Mass.
Boucher H. E. Mfg. Co. (Models), 150 Lafayette, New York
Breul Fred G., 282 Kossuth, Bridgeport, Conn.
Carolus Mfg. Co., Sterling, Ill.
Cedar Tool & Gage Corp., 1862 State, Bridgeport, Conn.
Central Machine Works, Inc., 940 Santee, Los Angeles, Cal.
Central Tool & Mfg. Co., 2411 Whittier blvd, Los Angeles, Cal.
Cleveland Metal Stamping Co., Cleveland, Ohio
Cleverly Electric Wks., 17 N 7th, Phila., Pa.
Cochrane F. W. Mfg. Co., 1316 W Slauson, Los Angeles, Cal.
Colson F. A. Pattern Works, 91 Main, Buffalo, N. Y.
Commercial Model Machine Shop, 122 S Clark, Chicago, Ill.
Crellin Machine Co., 123 Llewellyn, Los Angeles, Cal.
Crescent Tool Mfg. Co., 1002 Cass av, St. Louis, Mo.
Crook H. E. Co., Inc., 28 Light, Baltimore, Md.

(Continued on following page)

Models & Experimental Work—Cont.

Dalmo Mfg. Co., 449 Bryant, San Francisco, Cal.
Delta Mfg. Co., 858 rd, Milwaukee, Wis.
Dittefsen Machine Wks., 1119 Pine, Seattle, Wash.
Dixie Brass & Foundry Co,, Birmingham, Ala.
Eagle Engineering Co., Springfield, O.
Economy Pattern Wks. & Mfg. Co., 2264 E 15th, Los Angeles, Cal.
Elec. Novelty Works, 965 Howard, San Francisco, Cal.
Electrical Appliances Mfg. Co., Waterbury, Conn.
Electrical Mechanical Specialties Co., 24 12th, San Francisco, Cal.
Estes E. B. & Sons (Drawing & Geometrical School Models), 364 5th av, New York *See adv index at end of book*
Fanning J. P. (Pattern Maker), 678 Jefferson av, Brooklyn, N. Y.
General Machine & Mfg. Co., 544 Irnston av, Bridgeport, Conn.
Globe Machine & Stamping Co., 1250 W 76th, Cleveland, Ohio
Goldenberg L., 2311 S Main, Los Angeles, Cal.
Gries Bros., 450 E 148th, New York
Griswold Geo. M. Machine Co., Bradley & William, New Haven, Conn.
Hahn Harry W. Mfg. Co., 629 W San Pedro, Los Angeles, Cal.
Hanson Tool & Die Co., 5736 12th, Detroit, Mich.
Harris Engineering Co., Bridgeport, Conn.
Hart Fred'k & Co., 837 Main, Poughkeepsie, N. Y.
Hartford Special Mach'y Co., Hartford, Conn.
Hassell Iron Works Co., Colorado Springs, Colo.
Hervey Machine Works, 209 Oak, Kansas City, Mo.
Hoeft & Co., 1600 W Kinzie, Chicago, Ill.
Hommel Leon Machine Works, 416 23rd, Oakland, Cal.
Howes Forrest E., 263 Northampton, Boston, Mass.
Indicating Calipers Corp., 506 E 19th, New York
See adv index at end of book

MODELS
Out of Metal, Wood and Other Materials
For Experimental Use
DEMONSTRATIONS & EXHIBITIONS
Miniature Reproductions a Specialty
Special Laboratory Equipment, Instruments and Tools
INDICATING CALIPERS CORP.
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Jaxon Co., 1010-12-14 Jackson, Toledo, O.
Jeppener Paul, 114 Center, New York
John's Engineering Co., 625 Champlain av, Cleveland, O.
Kohler Die & Specialty Co., De Kalb, Ill.
Krag Franz K., 542 W Jackson blvd, Chicago, Ill.
Kuhn & Jacob Machine & Tool Co. (For Hard Rubber), Trenton, N. J.
L. A. Utility Mfg. Co., 215 E Washington, Los Angeles, Cal.
Laganke Chas. F., 116 St. Clair av, N E, Cleveland, O.
Lees John, Indianapolis, Ind.
Levi, Benjamin, 355 W B'way, New York
Loafea S., 5740 Elizabeth, Oakland, Cal.
Lorentzen H. K., 60 Grand, New York
Losbough-Jordan Tool & Machine Co., Elkhart, Ind.
Lucas Charles H., 158 Adler, Waltham, Mass.
M. & N. Pattern & Model Works, 448 N Halsted, Chicago, Ill.
McCulloch Mfg. Co., 200 Old Colony av, Boston, Mass.
Maskell J. H. Machine & Mfg .Co., 1421 E 45th, Cleveland, O.
Maynard Mfg. Co., Waltham, Mass.
Milford Machine & Tool Co., H New Haven av, Milford, Conn.
Mitchell Malcolm E., 318 Harrison, Oakland, Cal.
Model Machine Works, 317 W Pico, Los Angeles, Cal.
Model Shop (Inventors' Models), 80 1st, San Francisco, Cal.
Monarch Tool & Mfg. Co., The, 122 Opera pl, Cincinnati, O.
Moore & Co., 305 W Grand av, Chicago, Ill.
Myer-Moran Co., 522-24 East, Baltimore, Md.
See adv index at end of book
National Stamping & Electric Works, 424 S Clinton, Chicago, Ill.
Nelson Tool Co., Inc., 781 E 142nd, New York
Nestor Mfg. Co. (Inc.), 40 W 13th, New York
Nilson A. H. Machine Co., 55 William, Bridgeport, Conn.
Nitz & Darkow, Akron, O.
Nobach W. J. Pattern Works, 411-413 S Clinton, Chicago, Ill.
Paramount Tool & Mfg. Co., 908 Thoma, Seattle, Wash.
Pedersen Mfg. Co., 236 Middle, Bridgeport, Conn.
Perfection Machine & Tool Works, 1568 E 32nd, Los Angeles, Cal.
Petersen Anker (Textile Machy.), 330 Atlantic av, Boston, Mass.
Poulsen & Nordou, 230 N Los Angeles, Los Angeles, Cal.
Precision Tool Co., 71 Columbia, Seattle, Wash.
Providence Mfg. & Tool Co., 17 Warren, Providence, R. I.
Reeves Mfg. Co., Milford, Conn.
Republic Tanning Co. (De Gras used by Tanners), 2301 S Paulina, Chicago, Ill.
Richter H. F. Mach. & Tool Works, 216 Aliso, Los Angeles, Cal.
S-P Manufacturing Co. (Automobile Motors), 872 E 72d, Cleveland, O.
Sandage Die & Tool Co., 409 S San Pedro, Los Angeles, Cal.
Sandenburg Ernest, 208 E 27th, New York
San Diego Machine Works, 739 4th, San Diego, Cal.
Saunders Co. (Metal), 1700 Brooklyn av, Kansas City, Mo.
Scalbom Mfg. Co., 11 S Desplaines, Chicago, Ill.
Scandia Mfg. Co., 103 Mechanic, Newark, N. J.
Sexton Machine Co., 308 Pearl, Hartford, Conn.
Shipman Machine Co., 218 Summer, Boston Mass.
Snedden Machine Works, 1972 S Los Angeles, Los Angeles, Cal.
Special Tool & Machine Co., 410H Dorchester av, Boston, Mass.
Spindler & Deringer, 243 Mercer, Jersey City, N. J.
Spokane Tool & Die Works, W 12 Sprague av, Spokane, Wash.
Spuck Iron & Foundry Co., 14th & Branch, St. Louis, Mo.
Standard Die Specialty Co. of Cal., 3103 San Pablo av, Oakland, Cal.
Standard Pattern Works, 5332 St. Clair av, Cleveland. O.
Stierlin Machine & Die Works, 625 W Jackson blvd, Chicago, Ill.
Superior Machine & Engng. Co., 51 E Fort, Detroit. Mich.
Tolhurst Machine Works, Troy, N. Y.
United Electric Apparatus Co., 1529 Columbus av, Boston, Mass.
Universal Machine Works, 209 N Los Angeles, Los Angeles, Cal.
Universal Tool & Die Shop, 109H New Montgomery, San Francisco, Cal.
Victor Mfg. Co., York, Pa.
Vogel William, 96 Warren, New York
Wagniere Mfg. Co., 1011 E Slauson av, Los Angeles, Cal.
Way A. F. Co. Inc., Dept. H, Hartford, Conn.
Weimann Bros. Mfg. Co. (Experimental), Derby, Conn.
West St. Louis Machine & Tool Co., 606 S Vandeventer av, St. Louis, Mo.
Western Iron & Foundry Co., Wichita, Kan.
Western Pattern & Mfg. Co., Moline, Ill.
White George, 22 Morris, Jersey City, N. J.
Willat Production Co., 1121 Howard, San Francisco, Cal.
Wright Traffic Signal Co., 844 W 6th, Cincinnati, Ohio
Zeidler William A. Co., 182 Locust av, New York
Zuhr, Henry, 489H Broome, New York

9891a— Moellons

Hunnell & Co. Inc., 136 Liberty, New York
National Oil Products Co., Harrison, N. J.

9892— Moisteners (Cigar)

Emmons Collins Machine Co. ("Electrohume"), Western Springs, Ill.
Eureka Blotter Bath Co. ("Eureka" Wall & Case), 3732 S Wallace, Chicago, Ill.
Stirrup Mfg. Co., Inc., Market, Newark, N. J.

9893—Moisteners (Envelope)

Eureka Blotter Bath Co. ("Eureka" & Stamp), 3732 S Wallace, Chicago, Ill.
Mohler A. ("So Easy"), 416 S Dearborn, Chicago, Ill.
Scattergood H. W. Co. ("Scattergood"), 1722 W Venango, Phila., Pa.
Sengbusch Self-Closing Inkstand Co. ("Ideal" Sanitary), Stroh bldg, Milwaukee, Wis.

9893a—Moisteners (Radiator Air)

Eureka Blotter Bath Co. ("Eureka" for the Home), 3732 S Wallace, Chicago, Ill.
Savo Mfg. Co. ("Savo"), 111 W Monroe, Chicago, Ill.
Specialty Mfg. Co., 2362 University av, St. Paul, Minn.

Moistening Apparatus

See Textile Machinery

9894— Molasses (Foundry)

Bridgeport Brass Co. (Brass Running Board & Windshield), Bridgeport, Conn.
Springfield Facing Co., 315 Main, Springfield, Mass.
See adv index at end of book

9894a— Molding Materials

BAKELITE CORP. (See Bakelite), 247 Park av, New York
See adv index at end of book

9894b—Moldings (Aluminum)

Aluminum Company of America, 2301 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book
Biele. Chas. F. & Sons Co., 381 W 12th, New York
British Aluminum Co., Ltd., 165 B'way, New York
Erdle Perforating Co., 171 York, Rochester, N. Y. *See adv index at end of book*
Livermore Homer F. Inc., 85 Pearl, Boston, Mass.
Metallic Automobile Matting Co., 181 York, Rochester, N. Y.

9894c—Moldings (Automobile & Carriage Door)

Aluminum Company of America, 2301 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book
Bridgeport Brass Co. (Brass Running Board & Windshield), Dept. H, Bridgeport, Conn.
Central Metal Products Corp., Canton, O.
Douglas & Lomason Co., 5836 Lincoln av, Detroit, Mich.
Jamestown Metal Desk Co., 104 Blackstone av, Jamestown, N. Y.
Metallic Automobile Matting Co., 181 York, Rochester, N. Y.
Niagara Insula-Bake Specialty Co., Albany, N. Y.
Paulsen-Brooks Mfg. Co., 766 E 12th, Los Angeles, Cal.

9894d—Moldings (Ball, Beaded & Piano)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
See adv index at end of book
Bounett Nicholas & Co., 619 W Adams, Chicago, Ill.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*

9894e— Moldings (Carved)

Chicago Millwork Supply Co. (For the Trade Only), 1404 W 37th, Chicago, Ill.
Dixon Lumber & Millwork Co., Weldon, N. C.
Doten S. H. & A. R., 494 Free, Portland, Me.
Dwight Lumber Co., River Rouge, Detroit, Mich.
Fritts D. H. & Co., 414 N Wood, Chicago, Ill.
Gould Mfg. Co. (For the Trade Only), Oshkosh, Wis.
Hyde-Murphy Co., Ridgway, Pa.
Indiana Moulding & Frame Co., La Porte, Ind.
Johnson & Tomek Co., 1855 W Lake, Chicago, Ill.
Klise' Mfg. Co., Grand Rapids, Mich.
McClelland T. W. Co., Davenport, Ia.
Moore Mfg. Co., Springfield, Ohio
Morgan Sash & Door Co., 2287 Blue Island av, Chicago, Ill.
N. Y. Carved Moulding Co., 3d av & 139th, New York
New York Wood Working Corp., 502 E 19th, New York
Pacific Mutual Door Co., Tacoma, Wash.
Peirce W. E. & Co., Milford, N. H.
Red River Lumber Co., 807 Hennepin av, Minneapolis, Minn.
Roberts Sash & Door Co. (For the Trade Only), 920 W 20th, Chicago, Ill.
Syracuse Ornamental Co., Syracuse, N. Y.
Waccamaw Lumber Co., Bolton, N. C.
Waddell Mfg. Co., Grand Rapids, Mich.
West Virginia Lumber Co., First National Bank bldg., Pittsburgh, Pa.
Western Builders' Supply Co. (Mgrs. agent), 135 Second, San Francisco, Cal.

9894f—Moldings (Cold Drawn Steel or Bronze)

American Motor Body Co., Dept. H, 18th & Leigh av, Phila., Pa.
Braun J. G., 609 S Paulina, Chicago, Ill.
California Fire Proof Door Co., 1931 S Los Angeles, Los Angeles, Cal.
Central Metal Products Corp., Canton, O.
DAHLSTROM METALLIC DOOR CO. (Approximately 2,000 Designs to Select from; Send for Catalogue), 413 Buffalo, Jamestown, N. Y.
See adv index at end of book
Jamestown Metal Desk Co., 104 Blackstone av, Jamestown, N. Y.
Kawneer Co. ("Kawneer," Also Aluminum), 1226 Front, Niles, Mich.
Lawton-Stephens Co., 427 Marcy av, Brooklyn, N. Y.
McCord Mfg. Co., 2587 E Grand Blvd, Detroit Mich.

9894g—Moldings (Copper, Brass & Bronze)

AMERICAN BRASS CO., Waterbury, Conn.
For branch offices see adv index at end of book
Biele Chas. F. & Sons Co. (Nickel Silver), 381 W 12th, New York
Bridgeport Brass Co. (Brass & Bronze Only), Dept. H, E Main, Bridgeport, Conn.
Braun J. G., 609 S Paulina, Chicago, Ill.
Cal. Fire Proof Door Co. 1933 S Los Angeles, Los Angeles, Cal.
Central Metal Products Co. ("C. M. P."), Canton, Ohio
Conklin T. E. Brass & Copper Co., 54-60 Lafayette, New York
See adv index at end of book
Cowles C. & Co. (Brass Door), New Haven, Conn.
Dahlstrom Metallic Door Co., 413 Buffalo, Jamestown, N. Y.
See adv index at end of book
Gorham Co. Arch'l Bronze, 5th av & 36th, New York; Works: Providence, R. I.
Hough W. S. Co., Dept. H, Attleboro, Mass.
Kawneer Co. ("Kawneer"), 1226 Front, Niles, Mich.
Manhattan Brass Co. (Brass & Bronze), 332 E 28th, New York
Rome Brass & Copper Co., Rome, N. Y.

9894h—Moldings (Electric Wiring)

American Circular Loom Co. ("Lutz" Metal), Chelsea, Mass.
American Conduit Mfg. Co., New Kensington, Pa.
American Metal Moulding Co., 145 New Jersey R. R. av, Newark, N. J.
Appleton Elec. Co. ("Pagrip"), Wellington & Paulina, Chicago, Ill.
Central Metal Products Co. ("C. M. P."), Canton, Ohio
Decker Moulding & Mfg. Co. (Armatures), 800 Mound, St. Louis, Mo.
Edwards & Co. (Stewart Fixings), 140th & Exterior, New York
Hitchner Wall Paper Co. ("Hold-Wire"), Camden, N. J.
National Metal Molding Co. (Metal), 1110 Fulton bldg, Pittsburgh, Pa.
Saulpaugh's J. M. Sons, 705 E 11th, New York
Sheip H. H. Mfg. Co., 6th & Columbia av, Phila., Pa.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book
Wright & Craycroft, 1448 W 21st, Chicago, Ill.

9894i—Moldings (Embossed)

American Sash & Door Co., 16th & Bellefontaine, Kansas City, Mo.
Bilek Stephen Co., 2117 S Troy, Chicago, Ill.
Central Wood Turning Co., 610 N E Main, Minneapolis, Minn.
Decker Moulding & Mfg. Co. (Show Case, etc.), 800 Mound, St. Louis, Mo.
Diebold Lumber & Mfg. Co., 93-99 Wabash av, Pittsburgh, Pa.
Fitzgerald, Speer Co., Pen Argyl, Pa.
Gauger John A. & Co., 1434 W 22d, Chicago, Ill.
Hyde-Murphy Co., Ridgway, Pa.
Koll A. J. Planing Mill Co., 421 Colyton, Los Angeles, Cal.
Kramer Bros. Co., Elizabeth City, N. C.
McKay Angus Co., 724 S Desplaines, Chicago, Ill.
Mertz's Geo. Sons, Port Chester, N. Y.
Morgan Sash & Door Co., 2287 Blue Island av, Chicago, Ill.
National Sash & Door Co., N Dupre & Toulouse, New Orleans, La.
New York Carved Moulding Co., 3d av & 139th, New York
Ohio Scroll & Lumber Co., Covington, Ky.
Rock Island Sash & Door Works, Rock Island, Ill.

9894j—Moldings (Metal Covered)

Cal. Fire Proof Door Co. ("Wilcox"), 1931 S Los Angeles, Los Angeles, Cal.
Chicago Metal Covering Co., 2835 Lake, Chicago, Ill.
Coburn Trolley Track Mfg. Co. ("Coburn"), P. O. Box 127, Holyoke, Mass.
Gould-Mersereau Co., 52 W 38th, New York
Newman Mfg. Co., 420 Elm, Cincinnati, O.

9894k—Moldings (Metal, for hanging Pictures)

Union Metal Corner Co. ("Outersite" Invisible), 18 Heath, Boston, Mass.

9894l—Moldings (Picture Frame)

Abbott D. E. & Co., Huntington, W. Va.
Cass B. T. & Co., 2057 Emerson av, Chicago, Ill.
Central Metal Products Co. ("C. M. P."), Canton, Ohio
Dahlstrom Metallic Door Co., 413 Buffalo, Jamestown, N. Y.
Harsha L. R. Mfg. Co., 2010 Carroll av, Chicago, Ill.
Illinois Moulding Co., 2411 W 23d, Chicago, Ill.
Indiana Moulding & Frame Co., La Porte, Ind.
Klicka Joseph Co., W 20th & S California av, Chicago, Ill.
Lippe & Co., 329 E 29th, New York
McKay Angus Co. (Raw or Finished), 724 S Desplaines, Chicago, Ill.
Oakland Frame & Moulding Co., 149 Franklin, Oakland, Cal.
Pape Bros. Moulding Co., Plum & Canal, Cincinnati, O.
Paulsen-Brooks Mfg. Co., 766 E 12th, Los Angeles, Cal.
Radford & Wright Co., Oshkosh, Wis.
Roper John L. Lumber Co., Norfolk, Va.
Schock Parlor Frame Co., Minneapolis, Minn.
Schussler Bros., 326 Grove, San Francisco, Cal.
Wood Products Co., 1612 Center, Tacoma, Wash.

9894m—Moldings (Rope & Twisted, Etc.)

American Wood Working Co., 4345 Wabansia av, Chicago, Ill.
Artistic Wood Turning Works, 515 N Halsted, Chicago, Ill.
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
See adv index at end of book
Central Wood Turning Co., 610 N E Main, Minneapolis, Minn.
Chicago Millwork Supply Co. (Wood) (For the Trade Only), 1404 W 37th, Chicago, Ill.
Dickey A. & Co., 37 Bristol, Boston, Mass.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Koll A. J. Planing Mill Co., 421 Colyton, Los Angeles, Cal.
Mertz's Geo. Sons, Port Chester, N. Y.
Morgan Co. (Hardwood & Soft Wood), Oshkosh, Wis.
National Sash & Door Co., N Dupre & Toulouse, New Orleans, La.
N. Y. Carved Moulding Co., 3d av & 139th, New York
Ohio Scroll & Lumber Co., Covington, Ky.
Paine Lumber Co. (Ltd.), (For the Trade Only), Oshkosh, Wis.
Roberts Sash & Door Co. (For the Trade Only), 920 W 20th, Chicago, Ill.
South Bend Dowel Co., South Bend, Ind.
See adv index at end of book
STEVENSON MFG. CO. (Wood), South Bend, Ind. *See adv index at end of book*
Waddell Mfg. Co., Grand Rapids, Mich.
Western Builders' Supply Co. (Mfrs. agents), 135 2nd, San Francisco, Cal.

9894n—Moldings (Sheet Metal)

American Motor Body Co., Dept. H, 18th & Leigh av, Phila., Pa.
Braun J. G., 609 S Paulina, Chicago, Ill.
Central Metal Products Corp., Canton, O.
Carter Sheet Metal Co., Omaha, Neb.
Chicago Metal Covering Co., 2835 Lake, Chicago, Ill.
Dahlstrom Metallic Door Co., 413 Buffalo, Jamestown, N. Y.
See adv index at end of book
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
Erdle Perforating Co. (Brass & Aluminum), 171 York, Rochester, N. Y.
See adv index at end of book
Friedley-Voshardt Co., 733 S Halsted, Chicago, Ill.
GENERAL FIREPROOFING CO. (THE), 2308 Logan av, Youngstown, O.
See adv index at end of book
Kawneer Co. ("Kawneer"), 1226 Front, Niles, Mich.
Lawton-Stephens Co. (Steel, Brass & Bronze), 427 Marcy av, Brooklyn, N. Y.
Manrow Sheet Metal Works, Goshen, Ind.
Miller & Doing, 60 York, Brooklyn, N. Y.
Milwaukee Corrugating Co., Milwaukee, Wis.
Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, O.
See adv index at end of book
Porter Iron Roofing & Corrugating Co., 418 Culvert, Cincinnati, O.
Scott Roofing & Mfg. Co., 408 Culvert, Cincinnati, O.
Souther E. E. Iron Co., Kienlin & Hamburger, St. Louis, Mo.

9894o-p—Moldings (Sheet Steel, Brass & Bronze)

American Motor Body Co., Dept. H, 18th & Leigh av, Phila., Pa
Braun J. G., 609 S Paulina, Chicago, Ill.
Central Metal Products Corp., Canton, O.
Dahlstrom Metallic Door Co., 413 Buffalo, Jamestown, N. Y.
See adv index at end of book
Kawneer Co. ("Kawneer"), 1226 Front, Niles, Mich.

9894q— Moldings (Steel)

American Motor Body Co., Dept. H, 18th & Leigh av, Phila., Pa.
Braun J. G. (For Store Fronts, Stairways, Elevator Enclosures, etc), 609 S Paulina, S Chicago, Ill.
Central Metal Products Corp., Canton, O.
Dahlstrom Metallic Door Co. (Smooth Surface for Electroplating), 413 Buffalo, Jamestown, N. Y.
See adv index at end of book
Fiat Metal Mfg. Co. (For Fenders, etc.), 223 W Huron, Chicago, Ill.
Kawneer Co. (Storefronts, Stairways, Elevators, "Kawneer," etc.), 1226 Front, Niles, Mich.
Solar Metal Products Co., Columbus, O.

9894r—Moldings (Steel Picture)

Braun J. G., 609 S Paulina, Chicago, Ill.
Central Metal Products Corp., Canton, O.

9895— Molds (Aluminum)

Vulcan Iron Works, 327 N Irving av, Chicago, Ill.

9896—Molds (Babbitt Metal & Solder)

Bernz Co. Inc. Otto, 17 Ashland, Newark, N. J.
See adv index at end of book
Fanning J. P., 678 Jefferson av, Brooklyn, N. Y.
Kupferle Jno. C. Foundry Co. (Solder Only), 1st & Wright, St. Louis, Mo.
Modern Iron Works (Half Round, etc.), Quincy, Ill.
Mott J. L. Iron Works, Trenton, N. J.
Paxson J. W. Co., Dept H, Nicetown la & D, Phila., Pa.
Schweizer Chas. K., 520 N 3rd, St. Louis, Mo.
Vulcan Iron Works, 327 N Irving av, Chicago, Ill.

9897— Molds (Babbitting)

Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.

9898—Molds (Bakers' & Confectioners')

American China Co. (Candy), Phillips bldg, Los Angeles, Cal.
Ben-Mohr Mfg. Co., 220 Brooklyn, N. Y.
Eppelsheimer & Co., 34 Hubert, New York
Maag August Co. (Easter Rabbit Cakes, etc), 509 W Lombard, Baltimore, Md.
Racine Confectioners' Machy. Co., Racine, Wis.
Watkins Jas. Y. & Son, 20 Catherine, New York

9899—Molds (Bar Lead, Buck Shot & Bullet)

Fanning J. P., 678 Jefferson av, Brooklyn, N. Y.
Vulcan Iron Works (Bar Lead), 327 N Irving av, Chicago, Ill.

9900-1— Molds (Brick)

Arnold-Creager Co. (Hand & Machine), New London, O.
Crorwell James Addison, Wallkill, N. Y.
Foote J. B. Foundry Co., Fredericktown, Ohio
Hadfield-Penfield Steel Co. (The), Bucyrus, O. *See adv index at end of book*
International Clay Machinery Co., Dayton, O.
Louisville Machine Co., Louisville, Ohio
Mentz Geo. B. Co., Wallkill, N. Y.
Potts C. & A. & Co., Indianapolis, Ind.
Wiles A. M. & W. H. Co., Grassy Point, N. Y.

9902— Molds (Butter)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
See adv index at end of book
Chapman-Sargent Co. (Round & Square), Piqua, O.
Creamery Package Mfg. Co., 61 W Kinzie, Chicago, Ill.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Hall Bros. Co., West Acton, Mass.
Richardi & Bechtold (All Kinds), Bellaire, Mich.
Rowe Henry Mfg. Co., Newaygo, Mich.
Simpson R. A., 4402 Market, Oakland, Cal.
Vermont Farm Machine Co., Bellows Falls, Vt.

9903— Molds (Button)

Atlas Tool Works, 488 John, Bridgeport, Conn.
BOGERT & HOPPER, INC. (Wooden), 57 Barclay, New York
See adv index at end of book
Defiance Button Machine Co. (Button Covering), 43 W 24th, New York
Empire Button Mold Mfg. Co., 722 E 11th, New York

(Continued on following page)

Molds (Button)—Continued

ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*
Frary Spool Co., Berlin, N. Y.
Hill Bros. & Co., Williamsburg, Mass.
Special Tool & Machine Co., 410H Dorchester av, Boston, Mass.
Rhodes Wm. H., Cold Brook, N. Y.
Stiles H. A. & Co. (Wood), 166-174 Portland, Boston, Mass.
See adv index at end of book
Terkelsen & Wennberg, 328A, Boston, Mass.

9904— Molds (Cake)

Chapman Co. ("Chapman"), Geneva, N. Y.

9905— Molds (Capsule)

Molds (Cement Post)

See Molds, Concrete; also Cement Post Machinery

Molds (Cigar)

See Cigar Makers' Supplies

9906— Molds (Concrete)

ANCHOR CONCRETE MACHINERY CO., 530 Dublin av, Columbus, O.
See adv index at end of book
Bichler Mfg. Co. (Sewer Pipe & File), St. Joseph, Mo.
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Bragstad Concrete Machy Co., Inc. (Slush), Canton, S. D.
Concrete Products Mould Co. ("Flam Wet Mix" System), Slauson av, cor. Iron, Los Angeles, Cal.
Co-Operative Concrete Construction Co. (For Stave Silos), Oskaloosa, Ia.
Deslauriers Column Mould Co. (Adjustable Steel), Woolworth bldg, New York
Dunn W. E. Mfg. Co., Holland, Mich.
Foote J. B. Foundry Co., Fredericktown, Ohio
Helm Brick Machine Co., Cadillac, Mich.
Hydraulic Pressed Steel Co.(Pressed Steel), 3152 E. 61st, Cleveland, O.
Ideal Concrete Machy. Co. (ORNAMENTAL MOLDS can be furnished for casting concrete porch columns, capitals, ballustrades, piers, flower vases, flower boxes, pots, sun-dials, bird baths, lawn benches and lighting standards), 5007 Spring Grove av, Cincinnati, O.
See adv index at end of book
Indiana Concrete Mold Co. (For Sidewalk, Curbs & Gutters), Peru, Ind.
Irey John H. (For Blocks), West Liberty, Iowa
Lansing Co. (For Cement Pipe, Columns, Lawn Vases, etc), Lansing, Mich.
Martin Iron Wks., 1222-36 E 28th, Los Angeles, Cal.
National Concrete Machinery Co. ("National"), Bank of Wis. bldg, Madison, Wis.
Northwestern Steel & Iron Works, Eau Claire, Wis.
Norwalk Mold Co. (Burial Vault), Norwalk, Ohio
Ohio Post Mold Co. (For Concrete Fence Posts), 622 Madison av, Toledo, O.
Raber & Lang Mfg. Co. ("Crescent" for Pipe & Tile), Kendallville, Ind.
Staple Post Mold Co. (Post Molds), Westerville, O.

Molds (Copper)

See Molds, Gold & Silver Bullion

9907— Molds (Cylinder)

Appleton Wire Works, Appleton, Wis.
Beloit Iron Works, Beloit, Wis.
Bigelow, Cheney Wire Works, 417 Liberty, Springfield, Mass.
Black-Clawson Co., Hamilton, O.
Clark H. C. & Son Mach. Co., Lee, Mass.
Dix Chas. B., Glens Falls, N. Y.
Eastwood Wire Mfg. Co., Belleville, N. J.
Emerson Mfg. Co., Lawrence, Mass.
Gleason Thos. E., East Newark, N. J.
Improved Paper Machinery Co., Nashua, N. H.
Marion Machine Foundry & Supply Co., Marion, Ind.
Smith & Winchester Mfg. Co., South Windham, Conn.

9908—Molds for Electrical Insulation Work

Atlas Tool Works, 488 John, Bridgeport, Conn.
Cedar Tool & Gage Corp., 1862 State, Bridgeport, Conn.
Columbus Die, Tool & Machine Co. (Hard Fibre, Bakelite, etc.), 955 Cleveland av, Columbus, O.
Special Tool & Machine Co., 410H Dorchester av, Boston, Mass.
Terkelsen & Wennberg, 328A, Boston, Mass

9909— Molds (Gagger)

Wadsworth Core Machine & Equipment Co. (For Foundry Use), 10 W Buchtel, Akron, O.

9910— Molds (Glass House)

Angelus Tool & Machine Co., 297 San Fernando rd, Los Angeles, Cal.
Ayars Machine Co., Salem, N. J.
Centre Foundry & Machine Co., Wheeling, W. Va.
Dixon H. L. Co. (Vanadium Steel, etc), Roslyn Road, Carnegie, Pa.
Early W. J. Sons Foundry Co. (Vanadium Steel, etc.), 812 Sarah, Pittsburgh, Pa.
Evans Mold & Foundry Co., Uniontown, Pa.
Fischer Foundry Co., 300 Onyx
Forger A. H. & Co., 2414 E 58th, Los Angeles, Cal.
Futrell Coupler Co., Inc., Streator, Ill.
Hintz Mfg. Co., 1108 S Kilbourn, Chicago, Ill.
Husted-Hall Mould Works, Bridgeton, N. J.
Indiana Mould & Machine Works, Muncie, Ind.
Kelly Nicholas & Son (Vanadium Steel, etc), 1704 Wharton, Pittsburgh, Pa.
Koeppen Mould Works, Marion, Ind.
Lenwood Specialty Works, 2235 E 38th, Los Angeles, Cal.
Maryland Mould & Foundry Co., Cumberland, Md.
Muncie Mould Works, Muncie, Ind.
Northrup B. D., Washington, Pa.
Olive Stove Works, Rochester, Pa.
Rochester Mould & Machine Co., Rochester, Pa.
Yockel Chas. & Sons, 1220 N Lawrence, Phila., Pa.
Zahniser Bros. & Stern (Vanadium Steel, etc), Washington, Pa.
Zanesville Mold Co., Zanesville, O.

9911—Molds (Gold & Silver Bullion)

KENNEDY-VAN SAUN MFG. & ENG. CORP., 50 Church, New York
See adv index at end of book
Vulcan Iron Works, 327 N Irving av, Chicago, Ill.

9912— Molds (Ingot)

Allis-Chalmers Mfg. Co. (Copper & Lead), Milwaukee, Wis.
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

INGOT MOULDS
BUFFOKAST
All Sizes
BUFFALO FOUNDRY & MACHINE CO.
65 Winchester Avenue, Buffalo, N. Y.

Campbell-Hausfeld Co., Harrison, O.
Columbiana Boiler Co., Columbiana, O.
Dixon Wm. (Jewelers), 119 Fulton, New York
Garwood Bronze & Iron Works, Garwood, N. J.
Hyde Park Foundry & Machine Co., Hyde Park, Pa.
Interstate Foundry Co., E 61st & Erie R. R., Cleveland, O.
McCormack J. S. Co., 25th & A. V. R. R., Pittsburgh, Pa.
McWilliams Mfg. Co., 237 Eddy, Providence, R. I.
Marshall Foundry Co. (Cast Iron), 28th & R. R., Pittsburgh, Pa.
National Roll & Foundry Co., Avonmore, Pa.
Paxson J. W. Co., Dept. H, Nicetown la & D, Phila, Pa.
Penn Mold & Mfg. Co., The, Works: Dover, O. Main Office, Wheeling Bank & Trust bldg., Wheeling, W. Va.
Sharon Foundry Co. (Steel), Wheatland, Pa.
Standard Machinery Co., Providence, R. I.
Valley Mould & Iron Corp., Sharpsville, Pa.

9913-4-5— Molds (Jelly)

Washburn Company, The, Cassady Fairbank Division (Aluminum), 6126 S. La Salle, Chicago, Ill.
Cassady Fairbank Division (Aluminum), 6126 S La Salle, Chicago, Ill.

9916—Molds (Lead Hammer)

Field Chas. H., 113 Point, Providence, R. I.
Hintz Mfg. Co., 1108 S Kilbourn, Chicago, Ill.
Horatt Jos. Mfg. Co., 417 Ferry, Lafayette, Ind.

9917— Molds (Maple Sugar)

Grimm G. H. ("Carleton"), Rutland, Vt.

9917a— Molds (Porcelain)

Colonial Sign & Insulator Co. (For Surgeon's Rubber Gloves), Akron, O.

9918— Molds (Pottery)

Cedar Tool & Gage Corp., 1862 State, Bridgeport, Conn.
Crossley Machine Co., State & Chestnut av, Trenton, N. J.
U. S. Gypsum Co. ("Ivory" Pottery Plaster), 205 W Monroe, Chicago, Ill.

9919— Molds (Rubber)

Adamson Machine Co., Akron, O.
Akron Equipment Co., Akron, O.
Akron Gear & Engng. Co., 54 E South, Akron, O.
Akron Standard Mold & Machine Co., Akron, O.
Akran Staudard Mold & Machine Co., Akron, O.
AMERICAN HOLLOW BORING CO., 1055 W 19th, Erie, Pa.
Angelus Tool & Machine Co., 297 San Fernando rd, Los Angeles, Cal.
Arnold W. E., Malden, Mass.
Atlas Tool Works (Hard & Soft), 488 John, Bridgeport, Conn.
Baker Wm. H., Trenton, N. J.
Baldwin C. S. Mfg. Co., Cherry, Milford, Conn.
Banner Machine Co., Columbiana, Ohio
Barbour Bros., Trenton, N. J.
Barbour Stockwell Co., Cambridge, Mass.
Bay State Iron Works, Erie, Pa.
Birmingham Iron Foundry, Derby, Conn.
Bogert & Hopper Inc (Balloon, Toys, etc), 57 Barclay, New York
See adv index at end of book
Bridgewater Machine Co., Akron, O.
Cedar Tool & Gage Corp., 1862H State, Bridgeport, Conn.
Cincinnati Rubber Co., The (Specialties of All Kinds), Norwood, Cincinnati, O.
See adv index at end of book
Crossley Machine Co. (Tire Moulds), State & Chestnut av, Trenton, N. J.
Eggers Wm. J., 294 Tafe pl, Brooklyn, N. Y.
Elmes Chas. F. Engineering Works, cor. Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Elyria Machine Co., Elyria, O.
Estes E. B. & Sons (Toy Balloon), 364 5th av, New York
See adv index at end of book
Goodyear Tire & Rubber Co., Akron, O.
Griffitts T. H. Machine Wks., 20 Clementina, San Francisco, Cal.
Harvey Machine Co., 1333 S Los Angeles, Cal.
Herman Mfg. Co., Lancaster, Pa.
Hintz Mfg. Co. (Mechanical), 1108 S Kilbourn, Chicago, Ill.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Hollander & Johnson, 8 Eden, Worcester, Mass.
Holmes Bros., 440 N Sacramento, Chicago, Ill.
Housatonic Machine & Tool Co., Bridgeport, Conn
Kuhlke Machine Co., Akron, O.
Kuhn & Jacob Machine & Tool Co. (For Soft Rubber), Trenton, N. J.
Logan Edw. Machine Co., Trenton, N. J.
McFarland Foundry & Machine Co., Trenton, N. J.
Mahlow & Wyckoff, Trenton, N. J.
Mechanical Mold & Machine Co., Akron, Ohio
Mueller Machine Co., Trenton, N. J.
Nelson Tool Co., Inc., 782 E 142nd, New York.
Nitz & Darkow, Akron, O.
Rainier Machine & Supply Co., 2462 1st av S, Seattle, Wash.
Special Tool & Machine Co., 410H Dorchester av, Boston, Mass.
Standard Tire & Rubber Mfg. Co., Willoughy, O.
Stiles H. A. (Toy Balloon), 166-174 Portland, Boston, Mass.
Stokes F. J. Machine Co. (For Making Triturate Tablets only), 6138 Tabor, Phila., Pa.
Terkelsen & Wennberg (For Heels & Soles), 328A, Boston, Mass.
Thropp Wm. R & Sons Co., Trenton, N. J.
Trager Chas., 2203 1st av, Seattle, Wash.
Wade Levi C., 645-653 Summer, Lynn, Mass.
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, O.
WILLIAMS FOUNDRY & MACHINE CO. Akron, O.
See adv index at end of book

9920— Molds (Rubber Tire)

Akron Gear & Engineering Co., 55 E South, Akron, O.
Akron Rubber Mold & Machine Co., Akron, O.
Bacon Vulcanizer Mfg. Co., Emeryville, Cal.
Bay State Iron Works, Erie Pa.
Caldwell L. L. Co. ("Hammar" and "Pacific Nu-Tred"), 2405 S Main, Los Angeles, Cal.
Dudley Tire Mold & Mfg. Co., 5615 Pacific blvd, Los Angeles, Cal.
Elmes Chas. F. Engineering Works, cor. Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Farrell-Cheek Steel Foundry Co. (Mold Rings), Sandusky, O.
King Tire & Rubber Co., Foothill blvd & Stanley rd, Oakland, Cal.

TO help users and prospective users in applying Monel Metal and Nickel to their individual problems and to assure them of sales service, exclusive distributors have been appointed by The International Nickel Company in each territory. Being the sole distributors in their respective territories, they stock and quote prices on the following mill forms:

Hot Rolled Sheets	Hot Rolled Rods	Tubing	Forgings
Cold Rolled Sheets	Cold Drawn Rods	Billets	Castings
Hot Rolled Plates	Hot Rolled Flats	Shot	Special Shapes

Distributors of Monel Metal

WHITEHEAD METAL PRODUCTS CO.
67 Washington Street North, Boston, Mass.
Maine, New Hampshire, Vermont, Rhode Island and Massachusetts (east of the Connecticut River)

WHITEHEAD METAL PRODUCTS CO. OF NEW YORK, INC.
261 Canal Street, New York
Branch Houses:
725 Arch Street, Philadelphia, Pa.
215 Frelinghuysen Ave., Newark, N. J.
Massachusetts (west of the Connecticut River), Connecticut, New York, New Jersey, Pennsylvania (east of Harrisburg), Delaware, Maryland (east of Hagerstown), District of Columbia, Virginia

WILLIAMS & COMPANY, INC.
901 Pennsylvania Avenue, Pittsburgh, Pa.
Pennsylvania (west of and including Harrisburg), Maryland (west of and including Hagerstown), West Virginia, Ohio and Kentucky

J. M. TULL RUBBER & SUPPLY CO.
150 Marietta Street, Atlanta, Ga.
North Carolina, South Caroilna, Georgia, Tennessee, Florida (east of the Appalachicola River), Alabama (north of Montgomery)

EDWARD SCHWARTZ MILL SUPPLY CO., INC.
520 Toulouse Street, New Orleans, La.
Florida (west of the Appalachicola River), Alabama (south of and including Montgomery), Mississippi, Louisiana and Texas

STEEL SALES CORPORATION
129 South Jefferson Street, Chicago, Ill.
Branch House, 843 Book Bldg., Detroit, Mich.
Michigan, Indiana, Wisconsin, Illinois, Minnesota, Iowa, Missouri, Arkansas, North and South Dakota, Nebraska, Kansas, Oklahoma, Montana, Wyoming, Colorado and New Mexico

EAGLE BRASS FOUNDRY COMPANY
21 Spokane Street, Seattle, Wash.
Idaho, Washington, Oregon

PACIFIC FOUNDRY COMPANY
Harrison and 18th Streets, San Francisco, Cal.
Utah, Arizona, Nevada, California, and Hawaiian Islands

ROBERT W. BARTRAM
129 Duke Street, Montreal, Province Quebec
Quebec, Maritime Provinces and Ontario (east of Brockville, excluding Ottawa)

PECKOVER'S LIMITED
Foot of West Market Street, Toronto, Ontario
Ontario (west of and including Brockville and Ottawa)

G. & J. WEIR, LTD.
Cathcart, Glasgow, Scotland
United Kingdom and Northern Europe

SOUTH AFRICAN GENERAL ELECTRIC COMPANY
Johannesburg, South Africa

Because of the Distributor's familiarity with the capacity of each manufacturer, they can be of definite assistance in securing the forms desired. Therefore, inquiries should be sent not only to the manufacturers listed under the heading in this register but also to your Distributor. For your convenience a special Monel Metal Buyers' Guide is published quarterly which includes all the Monel Metal listings in this register. Write for latest issue.

Send for "List B" of Monel Metal Literature

THE INTERNATIONAL NICKEL COMPANY
67 WALL STREET NEW YORK CITY

INCo Monel metal

Monel metal

Serves Where Stress and Corrosion Attack

¶So wide and varied are the applications of Monel Metal that practically every industry has utilized its unique combination of qualities to meet difficult conditions. Manufacturers have adopted it, knowing its strength and toughness, appreciating at the same time its resistance to corrosion, high temperature, oxidation and superheated steam. ¶The ease with which Monel Metal can be kept clean commends it to manufacturers, in whose appliances or equipment the utmost sanitation is required. It is the logical metal for the hospital, the kitchen, the soda fountain, or where beauty, as well as utility is permanently desired. ¶This versatile, durable metal is being used for light and heavy construction, exposed to extremes of cold and heat, and subject to moisture, acid, chemicals, etc. It is permanent and cannot rust. ¶The experience of thousands of users in many industries is at your disposal for the asking.

Physical Properties of Monel Metal

Color.....White
Melting Point.....1360° C. (2480° F.)
Specific Gravity.....8.80
Weight per Cubic Inch.....0.320 lbs.

Coefficient of Expansion:
(25° C.—100° C.).....0.000014 per 1° C.
(25° C.—300° C.).....0.000015 per 1° C.
(25° C.—600° C.).....0.000016 per 1° C.

Electrical Resistivity.....256 Ohms per Mil-Ft.
42.5 Michroms per Cm.
Coefficient of Electrical Resistivity: 0.0019 per ° C.
Electrical Conductivity .....4% of that of Copper
Optical Reflectivity.....60% of that of Silver
Heat Conductivity.....0.06 C. G. S. units
1/15 of that of Copper
Hardness Hot Rolled Rods: (Shore Sclerescope) 22—25

Hardness (Brinell, 3,000 Kg.)
Hot Rolled Rods.....144—162
Cold Drawn Rods.....180—200
Castings.....105—115

Modulus of Elasticity (Young's).....25,000,000
Specific Heat (20—1300° C.) 0.127 cal. per gram per ° C.

Magnetic Induction at 100 gausses
Cast Metal.....500 gausses
Rolled Metal.....1000—1500 gausses

Tensile Tests on Castings:
Yield Point.....30,000—40,000
Tensile Strength.....65,000—80,000
Elongation.....25—35%

Tensile Tests on Sheets (Hot Rolled):
Yield Point.....25,000—35,000 Lbs. per Sq. In.
Tensile Strength.....65,000—75,000 Lbs. per Sq. In.
Elongation.....35—45%

Tensile Tests on Sheets (Cold Rolled):
Yield Point.....90,000—110,000 Lbs. per Sq. In.
Tensile Strength...100,000—120,000 Lbs. per Sq. In.
Elongation.....1—2%

Tensile Tests on Hot Rolled Rods:

	Y.P.	T.S.	El.
Up to 1"	51,300	91,500	46%
1 1/16" to 1 11/16" inc.	59,600	93,200	37%
1 3/4" to 2 7/16" inc.	51,900	90,300	42%
2 1/2" to 3 1/2" inc.	41,800	88,900	46%
Over 3 1/2"	50,300	88,400	43%
Hexagons	60,600	92,300	38%
Rectangles	47,000	89,800	47%
Cold Drawn Rods	60,000 to 90,000	80,000 to 100,000	20% to 30%
Wire (Annealed)	25,000 to 30,000	65,000 to 75,000	20% to 30%
Wire (Drawn)	100,000 to 130,000	110,000 to 140,000	1% to 2%

Torsional Modulus.....9,500,000
Izod Test 100 ft.-lb. on standard specimen.

STANDARD IN EQUIPMENT

Power Plants
Commercial Laundries
Dyehouses
Chemical Plants
Restaurants & Cafeterias
Hospitals
Pickling Departments
Dairies & Creameries
Packing Houses
Canneries

HAS COMBINED PROPERTIES

Will Not Rust
Strong as Steel
Resists Corrosion
Resists Abrasion
Easily Kept Clean
Retains Strength at High Temperatures
Resists Superheated Steam
Does Not Contaminate Food or Product

The uses of Monel Metal and Nickel have been so extensive and so much data has been collected of its behavior under various conditions, that the experimental nature of any application has been reduced to a minimum. This is an important factor in determining a new use for Monel Metal and Nickel, and The International Nickel Company wants prospective users to call upon them for information and co-operation.

INCo MONEL METAL TRADE MARK

Monel Metal is a technically controlled Nickel-Copper alloy of high nickel content. It is mined, smelted, refined, rolled and marketed solely by The International Nickel Company. The name "Monel Metal" is a registered trade-mark.

INCo NICKEL TRADE MARK

THE INTERNATIONAL NICKEL COMPANY, 67 WALL STREET, NEW YORK CITY.

MONEL METAL PARTS FOR EVERY PURPOSE
AUTOSCREW CO. 356 WEST BROADWAY NEW YORK CITY
Castings and Forgings Machined
SCREWS AND NUTS IN STOCK
We have the facilities and experience to do the finest machine work in MONEL METAL

Kuhlke Machine Co., Akron, O.
Thropp Wm. R. & Sons Co., Trenton, N. J.
Williams Foundry & Machine Co., Akron, O. *See adv index at end of book*

Akron-Williams engineers have made rubber tire molds for most of the largest tire factories in the world. We make a complete line of vulcanizing equipment for rubber factories.
THE WILLIAMS FOUNDRY & MACHINE CO.,
Akron, Ohio, U. S. A.

9920a— Molds (Rubber, Turned Wood)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

9921— Molds (Soap)

G. & P. Engraving Co., Wollaston, Mass.

9922— Molds (Soft Metal)

Jeppener Paul (White Metal), 114 Center, New York

9923— Molds (Split)

Marshall Fdry. Co. (Cast Iron), 28th & R. R., Pittsburgh, Pa.

9924— Molds (Sugar)

Blymyer Iron Works Co., Cincinnati, O.

9925— Molds (Tack)

Peck Bros. & Co., New Haven, Conn.

9925a— Molds (Tassel)

Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Weber Chas. Estate, 2120 E York, Phila., Pa.

9925b— Molds (Wooden)

Baker-McMillen Co. (For Surgeons' Rubber Gloves), Akron, O.

9926—Molybdate of Ammonia

Mineral Product Mfg. Co., Wilmington, Del.

9927— Molybdenite

American Metal Co. (Ores), 61 B'way, New York
Ciba Co. Inc., 134 Cedar, New York
Foote Mineral Co., 109 N 19th, Phila., Pa.

Molybdenum

See Ferro-Molybdenum

9927a—Molybdenum (Metallic)

Foote Mineral Co., 107 N 19th, Phila., Pa.
Pfanstiehl Co., No. Chicago, Ill.

9927a1— Monel Metal

(An alloy of approximately 67% nickel, 28% copper and 5% other metals)
INTERNATIONAL NICKEL COMPANY, THE (Sole Producers—see opposite page for list of distributors), 67 Wall, New York.
See adv index at end of book

9927b—*Monel Metal Machine Work

AUTOSCREW CO. (Fine Machine Work of every description, Castings, Forgings, Stampings, Rods, Shafts, Gears, Tubes, Screws and Nuts in stock), 355 W Broadway, New York
See adv index at end of book

9927c—*Monel Metal Parts

AUTOSCREW CO. (Machine work of every description; Screws and Nuts in stock), 355 W Broadway, New York
See adv index at end of book
Bell David Co., Inc. (The), 1555 Fillmore av, Buffalo, N. Y.
See adv index at end of book

9927d— Monel Metal Scrap

Bers E. & Co., 10 Desbrosses, New York
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
Nelson Ira I., 10 High, Boston, Mass.
Union Chain & Mfg. Co., Sandusky, O.

9927e— Monobromobenzol

Dow Chemical Co., Midland, Mich.
Electro Bleaching Gas Co., 18 E 41st, New York
Hooker Electro Chemical Co., 25 Pine, New York
Hunnell & Co. Inc., 136 Liberty, New York

9927f— Monochlorobenzol

Dow Chemical Co., Midland, Mich.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Hooker Electro Chemical Co., 25 Pine, New York
Niagara Alkali Co., Niagara Falls, N. Y.

9927g— Monochlorobenzene

DU PONT E. I. DE NEMOURS & CO. INC., Dyestuffs Dept., Wilmington, Del.
See adv index at end of book
Semet-Solvay Co., H, Milton av, Syracuse, N. Y.

9927h—Monochloronaphthalene

Halowax Corp., 247 Park av, New York

9927i— *Monochrome

Innis Speiden & Co. Inc., 46 Cliff, New York

9928— Monograms

See also Name Plates

Acme Etched Products Co., 459 Brady, Detroit, Mich.
American Bronze Corp., Berwyn, Pa.
Blackinton V. H. & Co., Attleboro Falls, Mass.
Chicago Art Metal Works, 300 W Lake, Chicago, Ill.
Enterprise Mfg. Co. (Harness), Akron, O.
Fine Horace E. Co. (Brass), Trenton, N. J.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Greacen Walter & Co. (Harness), 480 Washington, Newark, N. J.
Grote F. & Hubbell Co. (Iron), 82 4th av, New York
Harris Benj. Co. (Automobile), 229 Bowery, New York
Kiamensi Clay Co. (Wood), Equitable bldg, Wilmington, Del.
Knight H. W. & Son (Brass or White Metal Monograms & Trade Marks), Seneca Falls, N. Y.
Matthews Jas H. & Co., 3942 Forbes, Pittsburgh, Pa. *See adv index at end of book*
Mulhaupt F. Jos. (Metal), Lafayette, Ind.
Schneider Louis (Pocket Book), 249 Market, Newark, N. J.
Spanjer Bros. (Wood), 198 Badger av, Newark, N. J.
Spencer S. M. Mfg. Co., 9 Cornhill, Bos-

9928a—Mono-Rail Systems (Trolley & Trolley Tracks)

Cameron Engineering Co., East Stroudsburg, Pa.
Cleveland Crane & Engineering Co., Dept. H, Wickliffe, O.
Coburn Trolley Track Mfg. Co., P. O. Box 127, Holyoke, Mass.
Euclid Crane & Hoist Co., Euclid, O.
See adv index at end of book

MONORAIL
SYSTEMS & HOISTS
THE EUCLID CRANE & HOIST CO.
EUCLID, OHIO

Harnischfeger Corp., Milwaukee, Wis.
See adv index at end of book
Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book

9928a-1—Mononitrotoluenes Mixed

DU PONT E. I. DE NEMOURS & CO. INC., Dyestuffs Dept., Wilmington, Del.
See adv index at end of book

9928b—Monorail Tracks (Hoists)

Cameron Engineering Co., E Stroudsburg, Pa.
Hoist & Crane Engineering Co. (The), Engineering bldg, Liberty, New York City
See adv index at end of book
Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book

9928c—Montejus (Automatic)

General Ceramics Co., 50 Church, New York
Lummus Walter E. Co. ("Metrolift"), 171 Milk, Boston, Mass.

9928d— Monuments

Ballards Monument Co. (Marble & Granite), Sioux Falls, S. D.
Consumers' Monument Co., Ball Ground, Ga.
Daprato Statuary Co., 766 W Adams, Chicago, Ill.
See adv index at end of book
Davis Brothers, Inc. (Granite), Riverton, Vt.
Lamb J. & R., 25 6th av, New York
McCormick David & Son, Holyoke, Mass.
Newman A. J. (Marble & Stone), Shreveport, La.
Raymond Granite Co. (Mfrs. & Designers), 3 Potrero av, San Francisco, Cal.

Monuments & Statuary (Bronze)

See Bronze Monuments & Statuary

9928e— Mooring Rings

Thacher Propeller & Foundry Corp., Albany, N. Y.

9929—Mop Sticks & Holders

See also Handles, Mop

Arcade Mfg. Co. ("Gem," "Freeport," "Arcade," "Standard," Screw, "Trojan"), Freeport, Ill.
Boyer A. Broom Co. ("Daisy" Spring Mop Sticks), Galesburg, Ill.
Cohankus Mfg. Co., Paducah, Ky.
Cupples Sam'l, Woodenware Co., 7th & Spruce, St. Louis, Mo.
Eagle Specialties Mfg. Co., Jamestown, N. Y.
Faultless Anchor & Mfg. Co., Centerbug, Ohio
FREEMAN MFG. CO. ("Chain Mop" Handle), 525 Market, San Francisco, Calif.
Haggiund H. E. ("New Departure"), 410 W Elm, Chicago, Ill.
Kautenberg W. E. Co., Freeport, Ill.
Parks & Parks ("Trojan" & "Taylor"), Troy, N. Y.
Perfection Machine & Tool Works, 1568 E 22nd, Los Angeles, Cal.
Rugg Mfg. Co., Greenfield, Mass.
Stover Mfg. & Engine Co. ("Trojan" & "Keene Pat'n"), Freeport, Ill.
Tichener-Diehl Co., 1844-48 W Austin av, Chicago, Ill.
Troy Wire Goods Co., Troy, N. Y.
Tucker Duck & Rubber Co. ("Peerless"), Ft. Smith, Ark.
U. S. Mop Co. ("Easy" Janitor Sticks), Toledo, O.

9930—Mops (Cloth, Combination Wringers, Etc.)

American Bread & Pastry-Board Co. ("Harris," Self-Wringing), Cambridge, O.
Atlanta Variety Works, Atlanta, Ga.
Auburn Brush Co., Auburn, Me.
Bay State Brush & Mop Co., Woburn, Mass.
Bay State Mop Co. (All Kinds), Woburn, Mass.
BAYLIS SANITARY SUPPLY CO., 340 W Superior, Chicago
See adv index at end of book
Brush Mop Co. ("Brush"), 419 Lafayette, New York
Cedar-Sweep Co. ("C. S. C." Dustless), Los Angeles, Cal.
Coffin Stanley H. ("Stanley"), 12 Pearl, Boston, Mass.
Dunlap Mfg. Co. ("Oil of Gladness"), Bloomington, Ill.

(Continued on following page)

Mops (Cloth, Combination Wringers, Etc.)—Continued

Eagle Woodenware Mfg. Co. ("Rex" Dish Mops, etc), Hamilton, O.
Ellert C. H. (Floor & Dish), 1200 S 1st, Evansville, Ind.
Erie Mop & Wringer Co., East Rochester, N. Y.
Five-In-One Mfg. Co. Inc. ("Five-In-One), 116H Exchange, Worcester, Mass.
Hamblin & Russell Mfg. Co. ("Champion" Self Wringing), Worcester, Mass.
Hoag Duster Co. ("Iowa" Salutary), Monticello, Ia.
Howard Dustless Duster Co. (Wet & Dry), 290 Franklin, Boston, Mass.
Imboden I. C. Mfg. Co. ("I. C. I." Easy Wringing), Cleona, Pa
Imperial Mfg. Co. ("Harris" Self Wringing), Cambridge, O.
Massasoit Mfg. Co., Fall River, Mass.
Meerse J. 2nd & John, Cincinnati, O.
Milton Chemical Co. ("B. B." Dustless, Floor & Dustless Dust Cloths, also Chemically Treated Cloth), 156 Sixth, Cambridge, Mass.
Mishler Mfg. Co. (Cotton & Linen Mop Cloths), Smithville, O.
Ohio Duster Co. ("Elite" Chemical), Cleveland, O.
Opie J. W. Brush Co. (Mop Wringers Only), Kansas City, Mo.
Plunkett Chemical Co. (Self-adjusting Handle), 2540 Cottage Grove av, Chicago, Ill.
Richards Fred J., 32 Lakeside, Springfield, Mass.
Sterling Mfg. Co., Reading, Mass.
Tate Mfg. Co. (Wet & Dry), 48 Hanover, Boston, Mass.
Toothey M. J. Co., Fall River, Mass.
U. S. Mop Co. ("E. Z.," "Sweater Knit," "Easy" Wringer Mop), Toledo, O.
Wizard Products Co. ("Wizard" Triangle Polish Dust Absorbing Mops), 1444 W 37th, Chicago, Ill.

9931— Mops (Cotton)

Alabama Broom & Mattress Co., Huntsville, Ala.
Am. Silk Mfg. Co., 4341 Orchard, Phila., Pa.
BAYLIS SANITARY SUPPLY CO., 340 W Superior, Chicago
See adv index at end of book
Blakely Jno. & Son, 1089 Gtn. av, Phila., Pa.
Bromwell Brush & Wire Goods Co., 612 W 6th, Cincinnati, O.
Burdett Mfg. Co., Independence rd & Belmont, Kansas City, Mo.
California Cotton Mills Co., Oakland, Cal.
Central Mills Co., Southbridge, Mass.
Chattanooga Broom & Mop Co., 13th & Cowt., Chattanooga, Tenn.
Cohankus Mfg. Co., Paducah, Ky.
Crunden Martins Mfg. Co. ("Hercules," "Navy"), 2nd & Gratiot, St. Louis, Mo.
Dale Margaret, Arlington, Mass.
Eagle Specialty Mfg. Co. ("Invincible Helper"), Jamestown, N. Y.
Ellert C. H. ("Home," "Eclipse," "Economy," "Diamond"), 1200 S 1st, Evansville, Ind.
Estes Mills ("O K" "Alpha," "Acme," "Slasher" & "Bee" Floor & Dish Mops), Fall River, Mass.
Five-In-One Mfg. Co. Inc., ("Five-In-One"), 116H Exchange, Worcester, Mass.
Hall, Lincoln & Co., 154 Milk, Boston, Mass.
Hall W. & Co., Lansdowne, Pa.
Hooper Sons Mfg. Co., Juniper & Cherry, Phila., Pa.
Maddock Textile Co., Milford Centre, O.
Massasoit Mfg. Co. ("Masco," "Lotus," "Lily," "Arctic," "Star," "Thread," "Eureka," "Daisy," "Dandy"), 136H Pocassit, Fall River, Mass.
Milton Chemical Co. ("B. B.") 156 Sixth, Cambridge, Mass.
Nawrath J. P. & Co., 109 Wooster, New York
O-So Ezy Products Co. (Dusting), 4501 S Western av, Chicago, Ill.
Pioneer Mfg. Co. ("Shino" Chemical Dust Mop), 3053 E 87th, Cleveland, O.
Richards Fred J., 32 Lakeside, Springfield, Mass.
Sanderson L. M. (Dish), Haydenville, Mass.
Silver-Chamberlin Co. ("Nibco" Dish), Clayton, N. J.
Southern Mills Corp'n, Oxford, Ala.
Tate E. H. Mop & Cordage Co. ("Best Quality"), 67 Sudbury, Boston, Mass.
Tate Mfg. Co., 48 Hanover, Boston, Mass.
Toohey M. J. & Co., Fall River, Mass.
Tucker Duck & Rubber Co. ("Peerless"), Ft. Smith, Ark.
Tuscaloosa Mills, Tuscaloosa, Ala.
Universal Brush Co. ("Champion" Dry Floor & National Wall & Ceiling), Freeport, Ill.
Whitaker Wm. D., Westmoreland & Emerald, Cedar Grove, Phila, Pa.
Yocona Mills, Water Valley, Miss.

9932— Mops (Polish)

Channell Chemical Co. ("O-Cedar"), 4501 Western blvd, Chicago, Ill.
Hayden E. W. Co., Toledo, O.
Lewis Samuel ("Wundermops"), 73 Barclay, New York
O-So Ezy Products Co., 4501 S Western av, Chicago, Ill.
Pioneer Mfg. Co. ("Shino" Chemical Dust), 3053H E 87th, Cleveland, Ohio
Restorall Products Co., 11 Moe., New York
Saal H. G. Co., 1800 Montrose av, Chicago, Ill.
Tate E. H. Mop & Cordage Co. ("Best Quality"), 67 Sudbury, Boston, Mass.
Tate Mfg. Co., 48 Hanover, Boston, Mass.
U. S. Mop Co. ("Easy"), Toledo, O.

9933— Mops (Roofing)

Barrett Co., 17 Battery pl, New York
Massasoit Mfg. Co., 136H Pocassit, Fall River, Mass.
Opie J. W. Brush Co., Kansas City, Mo.
Tate E. H. Mop & Cordage Co. ("Best Quality"), 67 Sudbury, Boston, Mass.

9934— Mordants

Providence Drysalters Co., East Greenwich, R. I.

9935— Morphine

McKesson & Robbins, 91 Fulton, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park pl, New York
New York Quinine & Chemical Works, 135 William, New York
Powers-Weightman-Rosengarten Co. (Sulphate & Other Salts), 916H Parrish, Phila., Pa.

9936— Mortar Color Mfrs.

Atlas Co., Lincoln, N. J.
Atlas Paint Co., Sharpsburg, Pa.
Cabot Samuel (Inc.), 141 Milk, Boston, Mass.
See adv index at end of book
Calvert Mortar Color Works, Warner & Wooster, Baltimore, Md.
Cambria Paint & Color Co. (Ltd.), Johnstown, Pa.
Cleveland Iron Ore Paint Co., Cleveland, O.
Clinton Metallic Paint Co. ("Clinton"), Clinton, N. Y.
Connors Wm. Paint Mfg. Co., Troy, N. Y.
Doggett Stanley, 11 Cliff, New York
Erwin Henry & Sons, Bethlehem, Pa.
French Saml. H. & Co., 4th & Callowhill, Phila., Pa.
Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Horn A. C. Co., Horn bldg, Long Island City, N. Y.
Imperial Paint Co. ("Imperial"), 80 10th, Long Island City, N. Y.
Jamestown Paint & Varnish Co., Jamestown, Pa.
Lancaster Paint & Glass Co., Lancaster, Pa.
Lookout Paint Mfg. Co., Chattanooga, Tenn.
Macneal James B. & Co., Warner & Wooster, Baltimore, Md.
Mepham G. S. & Co., 20th & Lynch, East St. Louis, Ill.
Miller & Coulson (Dealers), 5748 Ellsworth av, Pittsburgh, Pa.
Parker, Preston & Co., Norwich, Conn.
Peoora Paint Co., Sedgley av, Phila, Pa.
Prince Mfg. Co., 165 Broadway, New York
Ricketson Mineral Paint Works ("Red Brick"), South Bay, Milwaukee, Wis.
Roll Mfg. Co., Waterloo rd, Cleveland, O.
Toch Bros. ("Edinburgh"), 320 5th av, New York
Waldo E. M. & F. (Selling Agents), 11 Broadway, New York
Wells Jas. M. Co. ("Colorific"), Ogdensburg, N. Y.
Wilhelm A. Co., Reading Pa.
WILLIAMS C. K. & CO., Easton, Pa.
See adv index at end of book

9937—Mortar (Patent Soapstone)

American Soapstone Finsh Co., Chester Depot, Vt.

9938— Mortar (Prepared)

Higginson Mfg. Co. ("Higginson's," for Plastering & Finishing Walls), Newburgh, N. Y.

9939— Mortars (Crushing)

American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept H, 14th & State, Chicago Heights, Ill.
Atlas Mortar Co., 58 Sutter, San Francisco, Cal.

9940— Mortars (Drug)

Sperry D. R. & Co., Batavia, Ill.

9940a—Mortars (Turned Wood)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

9941—Mortisers (Chain Saw)

New Britain Machine Co. ("New Britain"), 190 Chestnut, New Britain, Conn.

Mortisers (Hollow Chisel)

See Hollow Chisel Mortising Machines

Mortisers (Sash Pulley)

See Pulley Mortising Machines

9942— Mosaic Cube Importers

Jackson C. D. & Co., 105th & E. R., New York
Pisani Bros., 815 Vernon av, Astoria (Boro. of Queens), N. Y.
Rossman Robt. Co., 154 W. 49th, New York
Tompkins, Kiel Marble Co., 505 5th av, New York
Toscani J. L. Co., 930 E 178th, New York

Mosaic Floors (Hardwood)

See Floors, Parquet

Mosaics (Ceramic)

See Mosaics, Floor

9943— Mosaics (Floor)

Alexander & Reid Co. (Circular), 355 W 36th, New York
American Marble Mosaic Co., 534 Market, Milwaukee, Wis.
Art Mosaic & Tile Co., Toledo, O.
Beifi Bros. & Co., 1933 Market, Phila., Pa.
Caretti John & Co., 53 Austin, Chicago, Ill.
Cassini Mosaic & Tile Co., 1027 B'way, Cincinnati, O.
Central Mosaic & Tile Co., 15 S 4th, Memphis, Tenn.
Church Art Work Co., Mt. Vernon, N. Y.
DAPRATO STATUARY CO. (Marble & Venetian), 766 W Adams, Chicago, Ill.
See adv index at end of book
Davia Bros. Marble Co., 2410 S La Salle, Chi., Ill.
Davis Marble Co., 80 E Jackson blvd, Chicago, Ill.
Drake Marble & Tile Co., 607 2nd av S, St. Paul, Minn.
Hawes & Dodd (& Wall), 59 E. Adams, Chicago, Ill.
Italian Marble Mosaic Co., 431 Spruce, Phila., Pa.
Italian Mosaic & Marble Co., 112 Church, Buffalo, N. Y.
Judson Studios, 200 E av 66, Los Angeles, Cal.
Keating M. & Son Co., 4046 Wentworth av, Chicago, Ill.
Kramig R. E. & Co., 8th & Eggleston av, Cincinnati, O.
Lage B. H., 484 Greenwich, New York
Lorenzen Chas. F. & Co., 105 N Clark, Chicago, Ill.
McLaury D. H. Marble Tile Corp., 881 E 141st, New York
Mart & Lawton, 286 5th av, New York
Martina Mosaics Co., 220 S Pearl, Cincinnati, O.
National Mosaic Co., 338 Pennsylvania av, Washington, D. C.
National Mosaic Tile Co., 2100 S Cicero av, Chicago, Ill.
Pickel Marble & Granite Co., 1901 N B'way, St. Louis, Mo.
Rinaldi Tile Co., 263 Atlantic av, Boston, Mass.
Roman Mosaic & Tile Co., Inc., 435 Green, Phila, Pa.
Rossman Robert Co., 154 W 49th, New York
Seifert Frank A. Plastic Relief Co., 5139 Maple, St. Louis, Mo.
Standard Mosaic Tile Co., 525 S Peoria, Chicago, Ill.
Tiffany Studios, 361 Madison av, New York
Toscani Jno. L. Co., 930 E 178th, New York
Traitel Marble Co., Webster av & E. R., Long Island City, N. Y.
Twin City Tiling Co., 16 W North av N S, Pittsburgh, Pa.
Venetian Marble Mosaic Art Co., 655 Monroe, Detroit, Mich.
Venetian Mosaic & Granitoid Co., 2241 Clark av, St. Louis, Mo.
Weary & Beck, 1732 S Michigan av, Chicago, Ill.

9944— Mosaics (Glass)

American Mosaic & Tile Co., Louisville, Ky.
Giannini & Hilgart, 222 W Madison, Chicago, Ill.
Tiffany Studios, 361 Madison av, New York
Toscani Jno. L. Co., 930 E 178th, New York

Mosaics (Marble)

See Mosaics, Floor

Mosaics (Roman & Venetian)

See Mosaics, Floor

9945— Moss

American Fibre Co., Jacksonville, Fla.
Boston Excelsior Co. (Upholstery), 11th av & 29th, New York
Landers Bros. Co. ("Pioneer"), Blucker & Buckingham, Toledo, O.
Payne & Co., Dayton, O.
Philadelphia Excelsior Co., 716 N 3d, Philadelphia, Pa.

9946— Moss (Irish)

Bird J. A. & W. & Co. (Imp. Unground & Ground), 348 Concord, Boston, Mass.
Lathrop H. R. & Co., 116 Beekman
Oxidite Mfg. Co., Arlington, Mass.
Riddle Chemical Co. (Bleached), 35 S Dearborn, Chicago
See adv index at end of book
Schwenker W. M., 342 E 92d, New York
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

9947— Moss (Peat)

Atkins & Durbrow ("O. K."), 157 Water, New York
Schellings C. J. & Co. (Imp), 175 Pearl, New York

9948— Moss (Sea)

AMERICAN FOREST PRODUCTS CO., 24th & Race, Philadelphia, Pa.
See adv index at end of book
ATLANTIC EXCELSIOR MFG. CO., 507-509 W 30th, New York.
See adv index at end of book
BOSTON EXCELSIOR CO. 562 W 29th, New York
Payne & Co., Dayton, O.
Philadelphia Excelsior Co., 716 N 3d, Philadelphia, Pa.
SELLE H. W. & CO., 1012 N Halsted, Chicago, Ill.
See adv index at end of book
Whitney H. W., 305 S La Salle, Chicago, Ill.

9949— Moss (Tree)

AMERICAN FOREST PRODUCTS CO., 24th & Race, Philadelphia, Pa.
See adv index at end of book
ATLANTIC EXCELSIOR MFG. CO., 507-509 W 30th, New York.
See adv index at end of book
Bach David & Co., 411 Decatur, New Orleans, La.
Borgwardt & Ernst Co., 1234 N Paulina av, Chicago, Ill.
Boston Excelsior Co., 562 W 29th, New York
Kohlmann Moss & Cotton Felt Co., 3101 Chartres, New Orleans, La.
Schloss E. (Est. of), Baton Rouge, La.
Schwing R. I. Co., Inc. (Cypress), Plaquemine, La.
SELLE H. W. & CO., 1012 N Halsted, Chicago, Ill.
See adv index at end of book
Snell Chas. W. Co. (Cypress), 321 Jefferson, Chicago, Ill.
Whitney H. W., 305 S La Salle, Chicago, Ill.

9949a—Motion Pictures (Educational & Industrial)

Atlas Educational Film Co., 29 E. Madison, Chicago, Ill.
Brinner Film Service, 1737 N Campbell av, Chicago, Ill.
Pathéscope Company of America, Inc. (The), Aeolian Hall, New York
Picture Service Corp., 208 S La Salle, Chicago, Ill.
Rothacker Film Mfg. Co., 1339 Diversey pkwy, Chicago, Ill.

9950— Motions (Reducing)

Bachrach Industrial Instrument Co., H Murtland & Bennett, Pittsburgh, Pa.

9951—Motor Boat, Launch & Yacht Builders

For Designers see Architects, Naval; see also Ship Builders

Abercrombie & Fitch Co. (Motor Canoes), Madison av & 45th, New York
Adams F. C., East Boothbay, Me.
Albany Boat Corp'n, Watervliet, N. Y.
American Boat Co. (Cat), Detroit, Mich.
Atlantic Boat Co., Amesbury, Mass.
Barbour Boat & Pattern Co. ("Shoal Eater" Launches), Valley Park, Mo.
Benton Electric Co. (Launches), La Crosse, Wis.
Bethlehem Shipbuilding Corporation Ltd. (Electric, Gasoline), Bethlehem, Pa.
Bridgeport Motor Co., 105 Kossuth, Bridgeport, Conn.
Berger Boat Co., Manitowac, Wis.
Burgess W. Starling Co. (Ltd.), (Yachts), Marblehead, Mass.
Camden Anchor-Rockland Machine Co., Camden, Me.
Cape Cod Ship Building Corp. (Cruisers, Dories, Fishing Boats, etc., from 10 to 20 ft.), Wareham, Mass.
Carleton Canoe Co. (Boats & Canoes), Old Town, Me.
Champaign Bros., Ithaca, N. Y.
Cooley Wright Mfg. Co., Waterbury, Vt.
Crowley Launch & Tugboat Co., Ft. 14th av, Oakland, Cal.
Cryer Wm., Foot of Dennison, Oakland, Cal.
Darrow F. H. Steel Boat Co., Albion, Mich.
De Foe Boat & Motor Works, Bay City, Mich.
Disappearing Propeller Boat Corp. of New York ("John Bull," "Uncle Sam," "Waterford"), North Tonawanda, N. Y.
Dunphy Boat Mfg. Co., Eau Claire, Wis.
Elco Co. ("Elco" Motor Boats, Launches & Yachts), Bayonne, N. J.
Electric Boat Co. (Submarine Boats), Groton, Conn.
Fay & Bowen Engine Co., Geneva, N. Y.
Fry L. E. & Co. (Boats), Clayton, N. Y.
Gas Engine & Power Co. & Chas. L. Seabury Co., Cons. (Naphtha, Alco-Vapor & Gasoline Auto Boats & Launches & Steam & Sail Yachts), Morris Heights, New York
Great Lakes Boat Building Corp., 333 Becher, Milwaukee, Wis.
Hacker John L. Boat Co., Watervliet, N. Y.
Herreshoff Mfg. Co. (Yachts, etc), Bristol, R. I.
Hodgdon Bros. (Boats), East Boothbay, Me
Holland Torpedo Boat Co., Groton, Conn.
Huff, Daland & Co., Inc., Dept H, Ogdensburg, N. Y.
Hunter-Everett Boat Co. (Motor Boats, Launches, etc), McHenry, Ill.
Jacob Robt. (Yachts), City Island, N. Y.
Kneass Geo. W., 18th & Illinois, San Francisco, Cal.
Lake Erie Drydock & Mill Co., Sandusky, O.
Lake Shore Engine Works (Motor Boats, Launches, etc), Marquette, Mich.
Lake Torpedo Boat Co. (Submarine Boats, Seaview, Bridgeport, Conn.
Lawley Geo. & Son Corp., Neponset, Boston, Mass.
Leyare Boat Works, Ogdensburg, N. Y.
Luders Marine Construction Co., Stamford, Conn.
Mathis Yacht Building Co., Camden, N. J.
Matthews Co., Port Clinton, O.
Michigan Steel Boat Co. (Steel Launches, Row Boats, Canoes, etc.), Kercheval & Connors, Detroit, Mich.
Miller Geo. H. (Yachts), Patchogue, N. Y.
Milton Boat Works (Boats, Yachts, etc.), Rye, N. Y.
Moore Sam'l L. & Sons, Elizabeth, N. J.
Mullins Body Corp. (Steel & Wood), 341 Franklin, Salem, O.
Murray & Tregurtha Co., Dept. H, Hancock, Quincy, Mass.
N. Y. Yacht, Launch & Engine Co., Morris Heights, N. Y.
Niagara Motor Boat Co., North Tonawanda, N. Y.
Nock F. S. (Boats, etc), East Greenwich, R. I.
Palmer Bros., Coscob, Conn.
Peo Leon L. & Co. (Launches, etc), Cape Vincent, N. Y.
Pioneer Boat & Pattern Co., Bay City, Mich.
Pusey & Jones Co. (Yachts), Wilmington, Del.
Racine Boat Co. (Gasoline & Steam Launches, Sailing Yachts, etc), Racine, Wis.
Ramaley Boat Co., Wayzata, Minn.
Raulf Mfg. Co. (Steel), 560 Vedder, Chicago, Ill.
Red Wing Motor Co., Red Wing, Minn.
Richardson Boat Co., No. Tonawanda, N. Y.
Rippley Mfg. & Steel Boat Co. (Steel), Grafton, Ill.
Rochester Boat Wks., Inc., Charlotte Station, Rochester, N. Y.
Ruddock Yacht Works (Auto Boats, Launches, etc), 213th & Harlem River, New York
Rushton J. H. (Boats, Canoes, etc), Canton, N. Y.
Schaefer Mfg. Co., Berlin, Wis.
Smith & Williams Co. (Boats), Salisbury, Md
Stamford Motor Co. (Launches, Motor Boats, etc), Stamford, Conn.
Stearns & McKay Co. (Launches, Yachts, etc), Marblehead, Mass.
Stone W. F. & Son, Kennedy & Boehmer, Oakland, Cal.
Swanson's Launch & Boat Works, Foot of 19th av, Oakland, Cal.
Toppan Boat Mfg. Co. (Dories, Launches, etc), 37 Washington No., Boston, Mass.
Twigg John & Sons, 694 Illinois, San Francisco, Cal.
Valley Boat Co., Saginaw, Mich.
Versoy Irving R., Morris Cove., 1285 blvd, New Haven, Conn.
Weller's Hiram Sons Co., Trenton, N. J.
White E. M. & Co. ("White" Motor Boats), Old Town, Me.
Winona Machine & Boat Works (Launches), Winona, Minn.
Wright U. G., Paulsboro, N. J.

9952— Motor Cloth

Boston Woven Hose & Rubber Co., ("Rubberized" "Twintite"), Cambridge, Mass.

9953— Motor Cycle Parts

Am. Tube & Stamping Co. (Pressed-Steel), Dept H, Bridgeport, Conn.
Brimm Leo J. Inc., 132 Church, New York
Detroit Screw Works., 348 Franklin, Detroit, Mich.
Ives Mfg. Co., Owego, N. Y.
Oakes Co (Stamped), Indianapolis, Ind
Otter Mfg. Co., Inc., 62 9th av, New York
Shaw Cycle Parts ("Shaw" Bicycle Motor Attachment), Galesburg, Kans.
Standard Turnbuckle Co., Corry, Pa.
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*
Zeigler Mfg. Co., Alexandria, Ind.

9953a—Motor Cycle Side Cars

Flexible Co., Dept H, Loudonville, O.
Harley-Davidson Motor Co., 3732H Chestnut, Milwaukee, Wis.
Hendee Mfg. Co. ("Indian" & Parcel Delivery Vans), Springfield, Mass.

9954— Motor Cycles

See also Bicycle Manufacturers

Cleveland Motor Cycle Mfg. Co. ("Cleveland' Light Weight), 7209 Platt av, Cleveland, O.
Cyclemotor Corp., 149 Cady, Rochester, N. Y.
Emblem Mfg. Co., Angola, N. Y.
Excelsior Motor Mfg & Supply Co. ("Excelsior," "Henderson"), 3701 Cortland, Chicago, Ill.
Harley-Davidson Motor Co., 3732 Chestnut, Milwaukee, Wis.
Hendee Mfg. Co. ("Indian"), Springfield, Mass.
Johnson's Iver Arms & Cycle Works ("Iver Johnson"), Fitchburg, Mass.
Miami Cycle & Mfg. Co. ("Flying Merkel"), Middletown, O.
Motorcycle Equipment Co. ("Marvel"), Hammondsport, N. Y.
Peerless Motorcar Co., Quincy av & E 93rd, Cleveland, O.
Reading Standard Co. ("R.-S."), Reading, Pa.
Schickel Motor Co., Stamford, Conn.
Shaw Mfg. Co. ("Shaw"), Galesburg, Kans.
Westfield Mfg. Co., Westfield, Mass.

9954a—Motor Generators (Battery Charging)

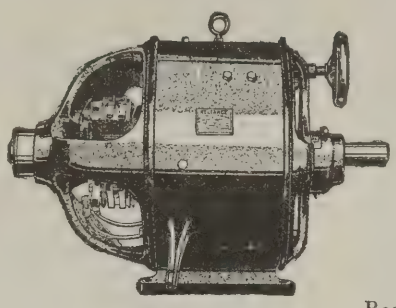
Allis Louis Co., 133 Stewart, Milwaukee, Wis. *See adv index at end of book*
BURKE ELECTRIC CO., Erie, Pa.
See adv index at end of book
Carter Electric Co., Atlanta, Ga.
Eck Dynamo & Motor Co., Belleville, N. J.
Electric Products Co., Clarkstone rd, Cleveland, O.
Fairbanks Morse & Co., 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Fidelity Electric Co., 330 N Arch, Lancaster, Pa.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Industrial Electric Co. ("Industrial"), 1215 Santa Fe av, Los Angeles, Cal.
Lincoln Electric Co., Cleveland, Ohio
Robbins & Myers, 1400 Lagonda av, Springfield, Ohio
Valley Electric Co., 3157H S. Kingshighway, St. Louis, Mo.

9955—*Motor High Speed Reducers

Foote Bros. Gear & Machine Co., 213 N Curtis, Chicago, Ill.
Palmer-Bee Co., 2778 E Grand blvd, Detroit, Mich.

9956—*Motor Speed Reduction

Foote Bros. Gear & Machine Co., 213 N Curtis, Chicago, Ill.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Palmer-Bee Co., 2778 E Grand blvd, Detroit, Mich.



Type A.S. Adjustable Speed
RELIANCE MOTORS

A direct current motor that runs at any speed and develops a constant horsepower output over ranges up to 1 to 10. Speed changes are obtained by simply shifting the motor armature.

No electric controller is needed.

Reliance Electric & Engineering Co., 1064 IVANHOE ROAD CLEVELAND OHIO

BRANCH SALES OFFICES:
Boston New York Philadelphia Pittsburgh Chicago Cincinnati Detroit

9957— Motor Starters

See also Rheostats

Allen-Bradley Co. ("Allen-Bradley" Automatic), 286 Greenfield av, Milwaukee, Wis.
Allis-Chalmers Mfg. Co. (Electric, Potential), Milwaukee, Wis.
See adv index at end of book
Atwater Kent Mfg. Co., 4951 Stenton av, Phila., Pa.
Condit Electrical Mfg. Co. ("Condit," Non-Resistance Motor Starters, Remote, Control Oil Break), 842 Summer, Boston, Mass.
CUTLER-HAMMER MFG. CO. (For All Purposes), 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
Electric Controller & Mfg. Co. (Hand & Automatic Push Buttons), Cleveland, Ohio *See adv index at end of book*
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Industrial Controller Co. ("I. C."), 890 Greenbush, Milwaukee, Wis.
Jewell Electric Co., 1423H Munsey bldg, Baltimore, Md.
Monitor Controller Co., 514 E Lombard, Baltimore, Md.
Motor Compressor Co. (Aeroplane), 52 Dickerson, Newark, N. J.
Owen-Dyneto Corp., 301 Wolf, Syracuse, N. Y.
Rowan Controller Co., 308 N Holliday, Baltimore, Md.
Sevison Electric Co., Elkhart, Ind.
Snow & Petrelli Mfg. Co. (Safety For Marine), ("Joes"), New Haven, Conn.
UNION ELECTRIC MFG. CO. ("Uemco"), 120 Reed, Milwaukee, Wis.
Wagner Elec. Mfg. Co., 6400 Plymouth, St. Louis, Mo.
Ward Leonard Electric Co., Mt. Vernon, N. Y.
WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa.
See adv index at end of book

9958-9—Motors (Adjustable Speed)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
ALLIS LOUIS CO., 133 Stewart, Milwaukee, Wis.
See adv index at end of book
Beal Joseph & Co. (Dealers), 465 Atlantic av, Boston, Mass.
BURKE ELECTRIC CO., Erie, Pa.
See adv index at end of book
Eck Dynamo & Motor Co., Belleville, N. J.
Fidelity Electric Co., 330 Arch, Lancaster, Pa.
Ideal Electric & Mfg. Co., Mansfield, O.
Imperial Electric Co., Akron, O.
REINHARDT ELECTRIC MOTOR CO. (THE), ("Reimo" Multispeed), 2517 E 79th, Cleveland, Ohio
See adv index at end of book
RELIANCE ELECTRIC & ENGINEERING CO., 1064 Ivanhoe rd, Cleveland, O.
See adv index at end of book

Motors (Aeronautical)

See Engines, Airplane

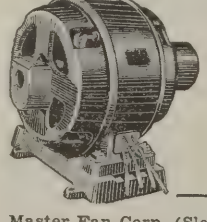
9960— Motors (Air)

Cleveland Pneumatic Tool Co., 6410 Hawthorne, Cleveland, Ohio
Dake Engine Co. (& Steam "Dake", Reversible), Grand Haven, Mich.
DETROIT HOIST & MACHINE CO., Detroit, Mich. *See adv index at end of book*
Independent Pneumatic Tool Co., 600 W Jackson blvd, Chicago, Ill.
Ingersoll-Rand Co. (Stationary), 11 Broadway, New York
See adv index at end of book
Lincoln Electric Co., E 38th & Kelly, Cleveland, O.
Roto Co. ("Roto"), 74 Union pl., Hartford, Conn.
Underwood H. B. Corp., 1025 Hamilton, Phila., Pa.
Universal Machinery Co., 734 30th, Milwaukee, Wis.

9961—Motors (Alternating Current)

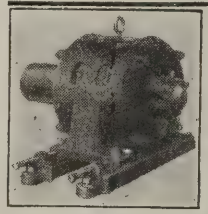
For Motors, Direct Current, see Firms in Dynamo & Motor Mfrs. with the word Direct following their name

Advance Electric Co., 6315 Maple, St. Louis, Mo.
Allis-Chalmers Co., Milwaukee, Wis.
See adv index at end of book
Allis Louis Co. (Multispeed & Polyphase), 133 Stewart, Milwaukee, Wis.
Bell Electric Motor Co., Garwood, N. J.
Bissell F. Co. (Small Motors), Toledo, O.
BURKE ELECTRIC CO., Erie, Pa.
See adv index at end of book
Century Electric Co., 19th & Pine, St. Louis, Mo.
Cleveland Electric Motor Co., 5313 Windsor, Cleveland, O.
Crocker-Wheeler Co., Ampere, N. J.
Dayton Fan & Motor Co., Dayton, O.
Diehl Mfg. Co. (Polyphase), Elizabeth, N. J.
Domestic Electric Co., H. E 73d & St. Clair, Cleveland, O.
Duquesne Elec & Mfg Co., Bessemer bldg, Pittsburgh, Pa.
Electric Controller & Mfg. Co., Cleveland, Ohio *See adv index at end of book*
Elec. Machy. Mfg. Co. (Synchronous Type 25 to 3,000 H. P.), 14th av & N E Tyler, Minneapolis, Minn.
Emerson Elec. Mfg. Co., 2024 Wash. av, St. Louis, Mo.
FAIRBANKS MORSE & CO., 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Fidelity Electric Co., 330 N Arch, Lancaster, Pa.
Fort Wayne Electric Works of General Electric Co., Ft. Wayne, Ind.
Fuerst Friedman Co. (New & Rebuilt), Hamilton av & E 53rd, Cleveland, O.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Globe Elec. Co. (Electric ¼ to 25 H.P.), 6340 Stony Island av, Chicago, Ill.
Holtzer-Cabot Electric Co., 125 Amory, Boston, Mass.
Ideal Electric & Mfg. Co., Mansfield, O.
Kan-Dor Electric Co. ("Kan-Dor" three phase), 1815 E 60th, Los Angeles, Cal.
Kimble Electric Co. ("Kimble"), 634 N Western av, Chicago, Ill.
Lincoln Electric Co., Cleveland, O.
Linzee Electric Motor Co., The, Mansfield, Ohio
See adv index at end of book



MOTORS OF QUALITY
Type LB
Ball Bearing
Type LS
Sleeve Bearing
The Linzee Electric Motor Co.
Mansfield, Ohio

Master Fan Corp. (Slow Speed), 1327 Channing, Los Angeles, Cal.
Myerson Joseph (Dirs.), 411 Atlantic, Boston, Mass.
Northwestern Mfg. Co., 482 Clinton, Milwaukee, Wis.
OHIO ELECTRIC & CONTROLLER CO., 5900 Maurice av, Cleveland, O.
See adv index at end of book
Pan Electric Mfg. Co., 735 S 4th, St. Louis, Mo.
Phoenix Electric Co., Mansfield, O.



REIMO
Ball Bearing
A.C. Motors
Manufactured by
The Reinhard Electric Motor Company
2517 East 79th Street, Cleveland, Ohio

Reinhard Electric Motor Co. (The), 2517 E 79th, Cleveland, O.
See adv index at end of book
RELIANCE ELECTRIC & ENGINEERING CO., 1064 Ivanhoe rd, Cleveland, O.
See adv index at end of book
Robbins & Myers Co. (Up to 50 Horse Power), 1400 Lagonda av, Springfield, Ohio.
Roth Bros. & Co., 1400 W Adams, Chicago, Ill.
Star Dynamo Works, Jefferson City, Mo.
Triumph Electric Co., Oakley, Cincinnati, Ohio
U. S. Electrical Mfg. Co. ("U. S."), 200 E Slauson av, Los Angeles, Cal.
Valley Electric Co., 3157H S. Kingshighway, St. Louis, Mo.
Wagner Electric Mfg. Co. (Single & Polyphase 1/20 to 300 H.P. "Wagner Quality"), 6400 Plymouth av, St. Louis, Mo.
Wesche B. A. Electric Co., 1628 Vine av, Cincinnati, O.

9961a—*Motors (Automobile Electric)

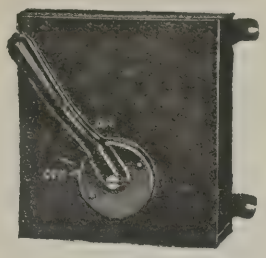
Continental Motor Corp ("Continental, Red Seal"), 12801H E Jefferson, Detroit, Mich.
GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book

9962-3—Motors (Battery or Toy)

Carlisle & Finch Co., 229 E Clifton av, Cincinnati, O.
H. K. Toy & Henley Skate Co. ("Toy Electric"), Richmond, Ind.
Interstate Electric Novelty Co., 60 Tillary, Brooklyn, N. Y.
Kendrick-Davis Co., ("Porter," "Ajax," "K.-D.," "Kent," "Tesla," "Rex," "Standard," "Manchester," "Juno"), Lebanon, N. H.
Knapp Electric & Novelty Co. ("Kenco," Little Hustler"), 130 W 42nd, New York
Master Electric Co., 440 First, Dayton, O.
Menominee Electric Mfg. Co. ("Days"), Menominee, Mich.
Ohio Electric & Controller Co. ("Albert"), 5900 Maurice av, Cleveland, O.
Rittenhouse A. E. Co., Honeoye Falls, N. Y.
Swope Henry R., 120 N 7th, Phila., Pa.

9964— Motors (Buffing)

Barker Bros. Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
Cushman Electric Co. ("Cushman," Buffing & Polishing), Concord, N. H.
Dilg Mfg. & Trading Co. ("Acme," for Polishing & Refinishing Silverware & other Metal Ware for Hotels, Clubs, etc), 27 E 125th, New York
Fidelity Electric Co., 330 N Arch, Lancaster, Pa.
Forbes & Myers ("Forbes & Myers"), 172 Union, Worcester, Mass.
Holtzer-Cabot Electric Co. (Electric Alternate Grinding & Buffing), 125 Amory, Boston, Mass.
Ideal Electric & Mfg. Co., Mansfield, O.



An enclosed manually-operated motor starter which affords protection to operator. (Bulletin 2111.)

C-H

Motor Starters and Speed Regulators

have been used for more than a quarter of a century. No matter what the type of motor—alternating current or direct current—or what sort of a machine the motor drives, there is a C-H Motor Controller which will enable you to get the most satisfactory service out of your motor driven equipment. Cutler-Hammer engineers will gladly assist you in selecting the right motor starter or speed regulator for your work.

THE CUTLER-HAMMER MFG. CO.
MOTOR CONTROL DEPARTMENT
25-27 Twelfth Street, Milwaukee, Wis.
Works: Milwaukee and New York



An automatic motor starter which provides convenient push button control. (Bulletin 6105.)

Northwestern Mfg. Co., 482 Clinton, Milwaukee, Wis.
Robbins & Myers Co., 1400 Lagonda av, Springfield, O.
U. S. Electrical Mfg. Co., 200 E Slauson av, Los Angeles, Cal.

9965—*Motors (Cement Mills)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Lincoln Electric Co., Cleveland, Ohio

9966— Motors (Dental)

Electro Dental Mfg. Co., 33d & Arch, Phila., Pa.
Fidelity Electric Co., 330 N Arch, Lancaster, Pa.
Holtzer-Cabot Elec. Co., 125 Amory, Boston, Mass.
Robbins & Myers Co. (Direct & Alternating Current), 1400 Lagonda av, Springfield, O.

Motors (Direct Current)

See Dynamo & Motor Manufacturers

9967—Motors (Direct Current Railway)

Calumet Motor Co. (¼ H.P., A.C. & D.C.), Lake Linden, Mich.
Duquesne Electric & Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Wald Electric Mfg. Corp. (165 H.P., D.C.), 248 N 10th, Brooklyn, N. Y.

9968— Motors (Electric)

See also Dynamo & Motor Manufacturers
Aaron Electric Co., 15 S Clinton, Chicago, Ill.
Advance Electrical Co. (& Repair), 611 W Adams, Chicago, Ill.
Advance Electric Co., 6315 Maple av, St. Louis, Mo.
Airway Electric Appliance Corp. ("Airway" Small), 618 B'way, Toledo, O.
ALLIS-CHALMERS MFG. CO., Milwaukee, Wis.
See adv index at end of book
Arnold Electric Co., Racine, Wis.
Azor Motor Mfg. Co. ("Azor" Small for Washing Machines), 5207 Prospect av, Cleveland, Ohio
Bell Electric Motor Co. (Single Phase Alternating & Direct), Garwood, N. J.
Benton Electric Co. ("Multi-Polar" & "Bi-Polar" Direct Current), La Crosse, Wis.
Bissell F. Co. ("Bissell"), Toledo, O.
Bodine Electric Co., 2254 W Ohio, Chicago, Ill.
Braun Electric Mfg. Co. (Fractional H. P. Universal Motors) Dover, Ohio
Burke Electric Co. ("Burke"), (Direct & Alternating), Erie, Pa.
Calm-Forster Electric Co. ("Crooker-Wheeler"), 209 15th, Denver, Colo.
Calumet Motor Co. (¼ H.P. Alternating & Direct), Lake Linden, Michigan.
Century Electric Co. ("Century" Single Phase & Polyphase), 19th & Pine, St. Louis, Mo.
Chicago Electric Construction Co. (New & Used), 740 W Van Buren, Chicago, Ill.
Cleveland Electric Motor Co., 5313 Windsor, Cleveland, O.
Cline Electric Mfg. Co. (For Printing Machy.), Fisher bldg, Chicago, Ill.
Clinton Supply Co., 117 S Clinton, Chicago, Ill.
Colonial Fan & Motor Co., Dept. H, Warren, O.
Crocker Wheeler Co., Ampere, N. J.
Cushman Elec. Co. ("Cushman" Variable Speed & Direct & Alternating Current), Concord, N. H.
Davis-Watkins Dairymen's Mfg. Co., Dept H, North Chicago, Ill.
Dayton Electrical Mfg. Co. (Up to ⅛ H. P.), Dayton, O.
Dayton Fan & Motor Co., Dayton, Ohio.
Diehle Mfg. Co. (Vehicle), Elizabeth, N. J.
Dilg Mfg. & Trading Co., 27 E 125th, New York
Dixon Wm. (Polishing Dirs.), 119 Fulton, New York
Dodge H. C. Inc. ("D. C. & A. C."), 48 Alger, Boston, Mass.
Duquesne Elec. & Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Eck Dynamo & Motor Co., Belleville, N. J.
Electric Controller & Mfg. Co., Cleveland, Ohio *See adv index at end of book*
Elec. Machy. Mfg. Co., 14th av & NE Tyler, Minneapolis, Minn.
Electro Dynamic Co., Bayonne, N. J.
Emerson Electric Mfg. Co., 2024 Washington av, St. Louis, Mo.
FAIRBANKS MORSE & CO. (Alternating & Direct Current), 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Fidelity Electric Co., 1-20 to 40 H.P.), 330 N Arch, Lancaster, Pa.
Fitzgerald Mfg. Co. (Universal Fractional H.P.), Dept. H ,Torrington, Conn.
Fort Wayne Electric Works of General Electric Co., Fort Wayne, Ind.
Fuerst Friedman Co. (New & Rebuilt), Hamilton av & E 53rd, Cleveland, O.
GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book
General Railway Signal Co. ("G. R. S."), Rochester, N. Y.
Globe Electric Co., 6340 Stony Island av, Chicago, Ill.
Great Lakes Elec. Mfg. Co. ("Glemco"). 11-17 S Desplaines, Chicago, Ill.
Green L. A. (Dealer), First Nat'l Bk. bldg, Pittsburgh, Pa.
Gregory Elec. Co., 1601 S. Lincoln, Chicago, Ill.
Guarantee Electric Co., 646 W Lake, Chicago, Ill.
H. K. Toy & Henley Skate Co. ("Toy Electric"), Dept. H, Richmond, Ind.
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Holt Electric Co. (Direct Current), 379 S Pierce, Milwaukee, Wis.
Howell Electric Motors Co. ("Howell Red Band"), Howell, Mich.
Ideal Electric & Mfg. Co. (Alternating Current, Single Phase Elevator, etc). Mansfield, O.
Indiana Air Pump Co., Indiana Pythian bldg, Indianapolis, Ind.
Jantz & Leist Electric Co. (Enclosed Type 1¾ to 100 H. P.), Cincinnati, O.
Jeannin Electric Co. (Single Phase Repulsion induction ¼ to 5 H.P.), Toledo, O.
Kan-Dor Electric Co. ("Kan-Dor" three phase), 1815 E 60th, Los Angeles, Cal.
Kendrick-Davis Co. (Small, A. C. & D. C.) Lebanon, N. H.
Kimble Electric Co. ("Kimble" Alternating), 634 North Western av, Chicago, Ill.
Lee & Hoff Mfg. Co., 65 E Water, St. Paul, Minn.

(Continued on following page)

MOTORS AND GENERATORS

Direct and Alternating Current for All Purposes

UNIVERSAL MOTORS ELECTRIC ARC WELDING OUTFITS

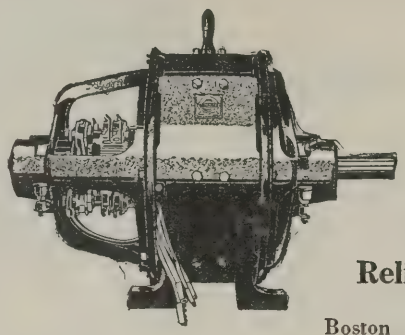
Burke Electric Company

Main Office and Works, Erie, Pa.

SERVICE—SALES OFFICES

BUFFALO CHICAGO CLEVELAND DETROIT
NEW YORK PHILADELPHIA PITTSBURGH

REPAIR PARTS AND SPARE PARTS FOR MACHINES FORMERLY BUILT BY C. & C. ELECTRIC & MFG. CO.



Type T Heavy Duty RELIANCE MOTORS Direct Current

General service motors designed for constant and adjustable speed duty.

(Speed adjustments by field resistance control)

Type T motors represent the combined experience of thirty-five prominent electrical engineers in the large steel mills and machine shops. They embody the combined ideas of men who have had unusual opportunities to learn the need for quality and strength in every motor detail.

Reliance Electric & Engineering Co., 1064 IVANHOE ROAD CLEVELAND, OHIO

BRANCH SALES OFFICES:

Boston New York Philadelphia Pittsburgh Chicago Cincinnati Detroit

Motors (Electric)—Continued

Leitelt Adolph Iron Works, Grand Rapids, Mich.
Leland Electric Co. ("Leland"), Dayton, O.
Lincoln Electric Co., Cleveland, O.
LINZEE ELECTRIC MOTOR CO., THE, Mansfield, O.
See adv index at end of book
McKeever Electric Co., 244 S High, Columbus, O.
Manhattan Electrical Supply Co. (Small, Current & Battery), 17 Park pl, New York
Manufacturers Selling Co. (New & Second Hand), Trenton, N. J.
Marble Card Electric Co., Gladstone, Mich.
Master Electric Co., 460H Bacon, Dayton, Ohio
Master Fan Corp. (Slow Speed), 1327 Channing, Los Angeles, Cal.
Myerson Joseph (Dirs.), 411 Atlantic av, Boston, Mass.
Northwestern Mfg. Co., 482 Clinton, Milwaukee, Wis.
Ohio Electric & Controller Co., 5900 Maurice av, Cleveland, O.
See adv index at end of book
Presque Isle Electrical Mfg. Co., 1021 W 19th, Erie, Pa.
Racine Electric Co., Racine, Wis.
Racine Universal Motor Co., 4642 Ravenswood, Chicago, Ill.
REINHARD ELECTRIC MOTOR CO. (THE), ("Reimo" Squirrel Cage, Slip Ring and Multispeed Motors), 2517 E 79th, Cleveland, O.
See adv index at end of book
RELIANCE ELECTRIC & ENGINEERING CO., ("Reliance") 1064 Ivanhoe rd, Cleveland, Ohio
See adv index at end of book
Reynolds Electric Co., 2650 W Congress, Chicago, Ill.
Robbins & Myers Co., 1400 Lagonda av, Springfield, O.
Roth Bros. & Co., 1400 W Adams, Chicago, Ill.
Seeger Machine Tool Co., 34 Forsyth, Atlanta, Ga.
Shepard Electric Crane & Hoist Co. (Back Geared), 406 Schuyler av, Montour Falls, N. Y.
See adv index at end of book
Slocum & Kilburn (Dirs. New & Used), Dept H, New Bedford, Mass.
Star Dynamo Works, Jefferson City, Mo.
Star Electric Motor Co. ("Star" A. C. & D. C. up to 40 H.P.), Miller & N. J. R.R. av, Newark, N. J.
Stow Mfg. Co. Inc. (Multi-Speed), Binghamton, N. Y.
See adv index at end of book
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Sunlight Electrical Mfg. Co. ("Sunlight" Fractional H.P.), Warren, O.
Temco Electric Motor Co. ("Temco"), Leipsic, O.
Titan Engineering Co. (A. C. & D. C.), Butler, Ind.
Triumph Electric Co., Oakley, Cincinnati, Ohio
United States Electrical Co. (New & Used), 703 Van Buren, Chicago, Ill.
U. S. Electrical Mfg. Co. ("U. S." Polyphase), 200 E Slauson av, Los Angeles, Cal.
Valley Electric Co., 3157H S. Kingshighway, St. Louis, Mo.
Virginian Electrical & Machinery Works, Charleston, W. Va.
Vonnegut Machinery Co., 43 S Meridian, Indianapolis, Ind.
Wagner Electric Mfg. Co. (Single Phase "Wagner Quality" & Polyphase, Alternating, etc.), 6400 Plymouth av, St. Louis, Mo.
Wesche B. A. Electric Co. ("Uniframe"), 1628 Vine av, Cincinnati, Ohio
Western Electric Co., 463 West, New York
Westinghouse Elec. & Mfg. Co., E Pittsburgh, Pa. *See adv index at end of book*
Wisconsin Electric Co. (Universal Type), 1602 Junction av, Racine, Wis.
Zelnicker Walter A. Supply Co. (Dealer), 325 Locust, St. Louis, Mo.

9969—Motors (Electric Crane)

Allis Louis Co., 133 Stewart, Milwaukee, Wis.
Bell Electric Motor Co., Garwood, N. J.
BURKE ELECTRIC CO., Erie, Pa.
See adv index at end of book
Crocker-Wheeler Co., Ampere, N. J.
Duquesne Elec. & Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Eck Dynamo & Motor Co., Belleville, O.
Ohio
GENERAL ELECTRIC CO., Schenectady N. Y. *See adv index at end of book*
Howell Electric Motors Co. ("Howell Red Band"), Howell, Mich.
Ideal Electric & Mg. Co., Mansfield, O.
Imperial Electric Co., Akron, O.
Lincoln Electric Co., Cleveland, O.
Pan Electric Mfg. Co., 735 S 4th, St. Louis, Mo.
Reinhard Electric Motor Co. (The), 2517 E 79th, Cleveland, O.
See adv index at end of book
Robbins & Myers, 1400 Lagonda av, Springfield, Ohio
Triumph Electric Co., Oakley, Cincinnati, Ohio
Wagner Electric Mfg. Co., ("Wagner Quality" Single & Polyphase Alternating Current), 6400 Plymouth av, St. Louis, Mo.

9970—Motors (Electric Elevator)

Allis Louis Co., 133 Stewart, Milwaukee, Wis.
Arvac Mfg. Co. ("Jenny"), Anderson, Ind.
Bell Electric Motor Co., Garwood, N. J.
BURKE ELECTRIC CO., Erie, Pa.
See adv index at end of book
Crocker-Wheeler Co., Ampere, N. J.
Eck Dynamo & Motor Co., Belleville, N. J.
Fidelity Electric Co., 330 Arch, Lancaster, Pa.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Howell Electric Motors Co. ("Howell Red Band"), Howell, Mich.
Ideal Electric & Mfg. Co. ("Ideal Special"), Mansfield, O.
Lincoln Electric Co., Cleveland, O.
Northwestern Mfg. Co., 482 Clinton, Milwaukee, Wis.
Pan Electric Mfg. Co., 735 S 4th, St. Louis, Mo.
Reinhard Electric Motor Co. (The), 2517 E 79th, Cleveland, O.
See adv index at end of book
Robbins & Myers Co. (For Freight Elevators, 1400 Lagonda av, Springfield, O.
Triumph Electric Co. ("Triumph"), Oakley, Cincinnati, O.
Wagner Electric Mfg. Co. (Single & Polyphase Alternating Current), 6400 Plymouth av, St. Louis, Mo.

9971—Motors (Electric Fan)

Airway Electric Appliance Corp., 618 B'way, Toledo, O.
Allis Louis Co. (Direct & Alternating Current), 133 Stewart, Milwaukee, Wis.
Century Electric Co., 19th & Pine, St. Louis, Mo.
Crocker-Wheeler Co., Ampere, N. J.
Eck Dynamo & Motor Co. ("Eck Hurricane"), Belleville, N. J.
Emerson Electric Mfg. Co., 2024 Washington av, St. Louis, Mo.
Fidelity Electric Co., 330 N Arch, Lancaster, Pa.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Menominee Electric Mfg. Co., Menominee, Mich.
Peerless Electric. Co. ("Peerless"), Warren, O.
Robbins & Myers Co., 1400 Lagonda av, Springfield, O.

9972—Motors (Electric, for Flexible Shafts)

Bell Electric Motor Co., Garwood, N. J.
Century Electric Co., 19th & Pine, St. Louis, Mo.
Eck Dynamo & Motor Co., Belleville, N. J.
Ideal Electric & Mfg. Co., Mansfield, O.
Robbins & Myers Co., 1400 Lagonda av. Springfield, O.
Stowe Flexible Shaft Co., 26th & Callowhill, Philadelphia, Pa.

9973— Motors (Electric, for Machine Tools)

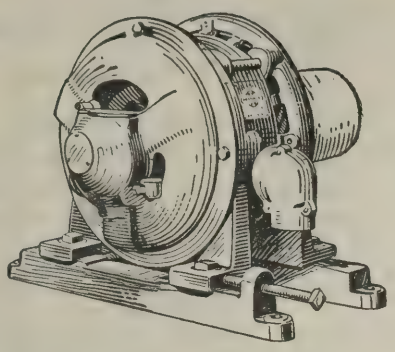
Advance Electric Co., 6315 Maple av, St. Louis, Mo.
Allis Louis Co., 133 Stewart, Milwaukee, Wis.
BURKE ELECTRIC CO., Erie, Pa.
See adv index at end of book
Century Electric Co., 19th & Pine, St. Louis, Mo.
Domestic Electric Co., E 73d & St. Clair, Cleveland, O.
Duquesne Electric & Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Eck Dynamo & Motor Co., Belleville, N. J.
Fidelity Electric Co., 330 N Arch, Lancaster, Pa.
Howell Electric Motors Co., ("Howell Red Band"), Howell, Mich.
Lincoln Electric Co., Cleveland, O.
LINZEE ELECTRIC MOTOR CO., THE, Mansfield, O.
See adv index at end of book
Reinhard Electric Motor Co. (The), 2517 E 79th, Cleveland, O.
See adv index at end of book
RELIANCE ELECTRIC & ENGINEERING CO., 1064 Ivanhoe rd, Cleveland, O.
See adv index at end of book
Robbins & Myers, 1400 Lagonda av, Springfield, Ohio
Triumph Electric Co., Oakley, Cincinnati, Ohio
U. S. Electrical Mfg. Co. ("U. S."), 200 E Slauson av, Los Angeles, Cal.

9974— Motors (Electric Mining)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Duquesne Electric & Mfg. Co., Bessemer bldg, Pittsburgh, Pa.

9975—Motors (Fractional Horse Power)

Century Electric Co., 19th & Pine, St. Louis, Mo.
BURKE ELECTRIC CO., Erie, Pa.
See adv index at end of book
Domestic Electric Co., E 73d & St. Clair, Cleveland, O.
Eck Dynamo & Motor Co., Belleville, N. J.
Fidelity Electric Co., 330 N Arch, Lancaster, Pa.



Type A-A RELIANCE Induction Motors

For 2 and 3 Phase Circuits. All standard voltages and frequencies. Squirrel cage and slip ring types.

The windings of Reliance Induction Motors receive such a thorough impregnation with a special insulating compound that they are rendered practically impervious to dust, oil, steam, solutions of salt, weak acids or alkalies.

Reliance Electric & Engineering Co., 1064 IVANHOE ROAD CLEVELAND, OHIO

BRANCH SALES OFFICES
BOSTON NEW YORK PHILADELPHIA PITTSBURGH CHICAGO CINCINNATI DETROIT

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Hamilton Beach Mfg. Co. ("Hamilton Beach"), Racine, Wis.
Holtzer Cabot Electric Co., 125 Amory, Boston, Mass.
Master Electric Co., 440 First, Dayton, O.
Ohio Electric & Controller Co., 5900 Maurice av, Cleveland, O.
See adv index at end of book
Owen-Dyneto Corp., 301 Wolf, Syracuse, N. Y.
Petersen A. H. Mfg. Co., 1614 Fratney, Milwaukee, Wis.
Reynolds Electric Co., 2650 W Congress, Chicago, Ill.
Robbins & Myers, 1400 Lagonda av, Springfield, Ohio
Sunlight Electrical Mfg. Co. ("Sunlight"), Warren, O.
Wisconsin Electric Co. ("Dumore" Electric), 1602 Junction av, Racine, Wis.

Motors (Gasoline)

See Engines, Automobile; also Engines, Gas & Gasoline; also Engines, Marine, Gasoline

9976— *Motors (Hoisting)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Lincoln Electric Co., Cleveland, O.
Reinhard Electric Motor Co. (The), 2517 E 79th, Cleveland, O.
See adv index at end of book

9977— Motors (Induction)

Advance Elec. Co., 6315 Maple av, St. Louis, Mo.
ALLIS-CHALMERS MFG. CO. (Single Phase & Polyphase), Milwaukee, Wis.
See adv index at end of book
Arvac Mfg. Co. ("Jenny" Constant & Variable Speed), Anderson, Ind.
Baldor Electric Co., 4353 Duncan av, St. Louis, Mo.
Bell Electric Motor Co., Garwood, N. J.
BURKE ELECTRIC CO., Erie, Pa.
See adv index at end of book
Century Electric Co. ("Century" Single Phase & Polyphase), 19th & Pine, St. Louis, Mo.
Cleveland Electric Motor Co., 5313 Windsor, Cleveland, O.
Crocker-Wheeler Co. (Alternating Current), Ampere, N. J.
Domestic Electric Co., E 73d & St. Clair, Cleveland, O.
Duquesne Elec. & Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Eager Electric Co., Watertown, N. Y.
Electric Controller & Mfg. Co., Cleveland, Ohio *See adv index at end of book*
Fairbanks Morse & Co., 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Fidelity Electric Co., 320 N Arch, Lancaster, Pa.
GENERAL ELECTRIC CO. (Alternating Current), Schenectady, N. Y.
See adv index at end of book
Ideal Electric & Mfg. Co., Mansfield, O.
Jeannin Electric Co. ("Jeannin" Single Phase, ¼ to 5 H.P.), Toledo, O.
Kimble Electric Co. ("Kimble" Two & Three Phase Constant Speed), 634 N Western av, Chicago, Ill.
Leland Electric Co. ("Leland"), Dayton, O.
Lincoln Electric Co., Cleveland, O.
LINZEE ELECTRIC MOTOR CO., THE, Mansfield, O.
See adv index at end of book
Ohio Electric & Controller Co., 5900 Maurice av, Cleveland, O.
See adv index at end of book

OHIO MOTORS

Fractional Sizes

The OHIO ELECTRIC & CONTROLLER CO.
5900 Maurice Ave., Cleveland, O.

Pan Electric Mfg. Co., 735 S 4th, St. Louis, Mo.
REINHARD ELECTRIC MOTOR CO. (THE), 2517 E 79th, Cleveland, O.
See adv index at end of book
RELIANCE ELECTRIC & ENGINEERING CO., 1064 Ivanhoe rd, Cleveland, O.
See adv index at end of book
Robbins & Myers Co. (Factory), 1400 Lagonda av, Springfield, O.
Triumph Electric Co., Oakley, Cincinnati, Ohio
Western Elec. Co., 463 West, New York

9978-9—Motors (Interpole Railway)

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*

9980—Motors (Locomobile Turntable)

Draper Mfg. Co. ("McGrath" Pneumatic), Port Huron, Mich.

9981— Motors (Multi Speed)

STOW MFG. CO., INC., Binghampton, N. Y.
See adv index at end of book

9982— Motors (Naphtha)

See also Engines, Naphtha; also Engines, Oil

Gas Engine & Power Co. & Chas. L. Seabury & Co. (2 & 4 Cycle), Morris Heights, N. Y.

9983— Motors (Organ)

See also Motors, Water

Bishop & Babcock Co., 1104 E 55th, Cleveland, O.
Eck Dynamo & Motor Co., Belleville, N. J.
Kipp Engine Works, Ossining, N. Y.
Organ Blowing Engng. Co., Fon du Lac, Wis.
Rhodes L. E. ("Spencer"), 107 Oak, Hartford, Conn.
Roberts Geo. J. Co., Dayton, O.
Ross Valve Mfg. Co. ("Ross" Water Engines), 9 Oakwood av, Troy, N. Y.
Spencer Turbine Cleaner Co. ("Spencer" Electric), 484 New Park av, Hartford, Conn.
Whitney F. H. Co. ("The Boston"), 65 Sudbury, Boston, Mass.

9984-5 — Motors (Organ Blowing, Electric)

Advance Electric Co., 6315 Maple av, St. Louis, Mo.
Bell Electric Motor Co., Garwood, N. J.
Century Electric Co., 19th & Pine, St. Louis, Mo.
Eck Dynamo & Motor Co., Belleville, N. J.
Ideal Electric & Mfg. Co., Mansfield, O.
Lincoln Electric Co., Cleveland, O.
Pan Electric Mfg. Co., 735 S 4th, St. Louis, Mo.
Racine Electric Co., Racine, Wis.
Reinhard Electric Motor Co. (The), 2517 E 79th, Cleveland, O.
See adv index at end of book
Robbins & Myers Co., 1400 Lagonda av, Springfield, O.
Wisconsin Electric Co., 1600 Junction av, Racine, Wis.

Motors (Pneumatic)

See Pneumatic Motors

9986—*Motors (Printing Press)

Eck Dynamo & Motor Co., Belleville, N. J.

9987-8— Motors (Pump)

Advance Electric Co., 6315 Maple av, St. Louis, Mo.
Allis-Chalmers Mfg. Co. (Centrifugal or Reciprocating Pump Drive), Milwaukee, Wis.
See adv index at end of book
Century Electric Co., 19th & Pine, St. Louis, Mo.
Eck Dynamo & Motor Co., Belleville, N. J.
Lincoln Electric Co., Cleveland, O.
LINZEE ELECTRIC MOTOR CO., THE, Mansfield, O.
See adv index at end of book
REINHARD ELECTRIC MOTOR CO. (THE), 2517 E. 79th, Cleveland, Ohio
See adv index at end of book
Robbins & Myers, 1400 Lagonda av, Springfield, Ohio
U. S. Electrical Mfg. Co. ("U. S."), 200 E Slauson av, Los Angeles, Cal.

9989—Motors (Rowboat, Detachable)

American Engine Co., 2nd and Amsterdam, Detroit, Mich.
Blakley Engine Co., Muskegon, Mich.
Caille Perfection Motor Co., 2nd and Amsterdam, Detroit, Mich.
Domestic Electric Co., E 73d & St. Clair, Cleveland, O.
Elto Outboard Moter Co. (Ole Evinrude, President), 62 Mason, Milwaukee, Wis.
Evinrude Motor Co., 27th & Florence, Milwaukee, Wis.
Johnson Motor Co. ("Johnson"), South Bend, Ind.
Koban Mfg. Co. ("Koban"), 241 S. Water, Milwaukee, Wis.
Lewis Moter Mfg. Co., Fostoria, O.
Lockwood Ash Motor Co., Jackson, Mich.
Manumotors Co. ("Manumotor" Manual), Manitowoc, Wis.
Spinaway Boat Motor Co. ("Spinaway" Detachable), Freeport, Ill.
Wisconsin Machinery & Mfg. Co., 51st & Burnham, Milwaukee, Wis.

9989a—Motors (Sewing Machine, Electric)

Bissel F. Co., Toledo, O.
Hamilton-Beach Mfg. Co. ("Hamilton Beach"), Racine, Wis.
Robbins & Myers, 1400 Lagonda av, Springfield, Ohio
Stecker Elec. & Mach. Co. (Small Motor), Dewey, Detroit, Mich.
Victor Elec. Corp. (Small), 226 S Robey, Chicago, Ill.
Western Elec. Co. (Portable Sewing Mach. Motor Unit), 463 West, New York
Wisconsin Elec. Co. ("Dumore"), 1600 Junction av, Racine, Wis.

Motors (Single Phase, Electric)

See Motors, Induction

9989b— Motors (Spring)

Elec. Novelty Works, 965 Howard, San Francisco, Cal.
General Phonograph Corp., 25 W 45th, New York

(Continued on following page)

Motors (Spring)—Continued

Hedason Mfg. Co. (Phonograph), 1041 State, New Haven, Conn.
National Vitaphone Corp., Plainfield, N. J.
Saal H. G. Co., 1800 Montrose av, Chicago, Ill.
United Mfg. & Distributing Co. ("United"), 536 Lake Shore Drive, Chicago, Ill.

9990— *Motors (Steel Mill)

Allis-Chalmers Mfg. Co. (Adjustable Speed Reversing & Blooming Mill Drive), Milwaukee, Wis.
See adv index at end of book
Lincoln Electric Co., Cleveland, O.

9991— Motors (Stoker)

Allis Louis Co., 133 Stewart, Milwaukee, Wis.
Union Steam Pump Co., Battle Creek, Mich.

9992— Motors (Synchronous)

ALLIS-CHALMERS MFG. CO. (Electric), Milwaukee, Wis.
See adv index at end of book
BURKE ELECTRIC CO., Erie, Pa.
See adv index at end of book
Elec. Machy. Mfg. Co., 14th av & N E Tyler, Minneapolis, Minn.
GENERAL ELECTRIC CO., Schenectady N. Y. *See adv index at end of book*
Lincoln Electric Co., Cleveland, O.
Pan Electric Mfg. Co., 735 S 4th, St. Louis, Mo.
Robbins & Myers, 1400 Lagonda av, Springfield, O.

9993—Motors (Talking Machine)

Airway Mfg. Co., 618 B'way, Toledo, O.
Arnold Electric Co., Racine, Wis.
Domestic Electric Co., E 73d & St. Clair, Cleveland, O.
General Phonograph Mfg. Co. (Spring), Elyria, O.
Jones-Motrola Co., 29 W 35th, New York
Saal H. G. Co., 1800 Montrose av, Chicago, Ill.
Shelton Elec. Co., 16H E 42d, New York
Thomas Mfg. Co., Dayton, O.
Tiffany Motor Co., West New York, N. J.

9994—Motors (Textile Machinery)

Allis-Chalmers Mfg. Co. (Spinning Frame & Loom Drive), Milwaukee, Wis.
See adv index at end of book
BURKE ELECTRIC CO., Erie, Pa.
See adv index at end of book
Eck Dynamo & Motor Co., Belleville, N. J.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Lincoln Electric Co., Cleveland, O.
Reinhard Electric Motor Co. (The), 2517 E 79th, Cleveland, O.
See adv index at end of book
Robbins & Myers, 1400 Lagonda av, Springfield, Ohio

9995-6— Motors (Tractor)

Davis Mfg. Co. (Gasoline & Kerosene), Milwaukee, Wis.
Doman H. C. Co., Oshkosh, Wis.
Hercules Motor Mfg. Co. (Gasoline), Canton, O.
Midwest Engine Co. ("Utilitor"), Dept H, Indianapolis, Ind.
Rutenber Motor Co. (Gasoline), Marion, Ind.

9997— Motors (Valve)

Eck Dynamo & Motor Co., Belleville, N. J.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Lincoln Electric Co., Cleveland, O.
Michigan Engine Valve Co. ("Michigan"), 437 Columbia, W, Detroit, Mich.
Reinhard Electric Motor Co. (The), 2517 E 79th, Cleveland, O.
See adv index at end of book
Smith A. P. Mfg. Co. (Hydraulic), E Orange N. J.

9998—Motors (Variable Speed)

Allis-Chalmers Mfg. Co. Milwaukee, Wis.
See adv index at end of book
Allis Louis Co., 133 Stewart, Milwaukee, Wis.
Arvac Mfg. Co. ("Jenny"), Anderson, Ind.
Bell Electric Motor Co., Garwood, N. J.
BURKE ELECTRIC CO., Erie, Pa.
See adv index at end of book
Crocker-Wheeler Co., Ampere, N. J.
Cushman Electric Co. ("Cushman"), Concord, N. H.
Eck Dynamo & Motor Co., Belleville, O.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Fuerst Friedman Co., Hamilton av & E 63rd, Cleveland, O.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Ideal Electric & Mfg. Co., Mansfield, O.
Kimble Electric Co. ("Kimble" Single Phase Alternating Current), 634 North Western av, Chicago, Ill.
Lincoln Electric Co., Cleveland, O.
Northwestern Electric Co. ("Northwestern"), 408 S Hoyne, Chicago, Ill.
RELIANCE ELECTRIC & ENGINEERING CO., 1064 Ivanhoe rd, Cleveland, O. *See adv index at end of book*
Robbins & Myers Co., 1400 Lagonda av, Springfield, O.
Triumph Electric Co., Oakley, Cincinnati, Ohio
Wagner Electric Mfg. Co. ("Wagner Quality"), 6400 Plymouth av, St. Louis, Mo.
Wesche B. A. Electric Co., 327 E 6th, Cincinnati, O.

9999-10017—Motors (Water)

Althouse-Wheeler Co. ("Waupun"), Waupun, Wis.
American Water Motor Co. ("American" Automatic), Columbus, O.
Am. Water Softener Co. ("American"), 4th & Lehigh, Phila, Pa.
Backus Water Motor Co., 172 Penna av, Newark, N. J.
Bowers Machine Co. (Dental),, Lancaster, Pa.
Bremer O. A. Co., Inc., 217 Division, Burlington, Iowa
Carlisle & Finch Co., 229 E Clifton av, Cincinnati, O.
Cleveland Specialty & Mfg. Co., Cleveland, Ohio
Divine Bros. Co. ("Divine," "Red Devil"), Utica, N. Y.
Douds Frank C. & Co. ("Douds" Plain & Equipped with Grinding Wheel), New Castle, Pa.
Gaylord & Eltapeno Co. ("Climax"), Binghamton, N. Y.
Globe Automatic Sprinkler Co. ("Globe"), 3035H Washington av, Phila., Pa.
Hunter Fan & Motor Co. ("Syracuse," "Tuerk"), Fulton, N. Y.
Hydraulic Engineering Works, 708 Fulton, Chicago, Ill.
Indiana Fan Co., 40 E South, Indianapolis, Ind.
Krott L. E. Apparatus Co. (1-6 H. P. with Countershaft Gear), 79 Amherst, Cambridge, Mass.
New Favorite Mfg. Co., 133 W Maple, Columbus, O.
Pelton Water Wheel Co., 19th & Harrison, San Francisco, Cal., & 90 West, New York
Roberts Geo. J. Co., Dayton, O.
Ross Valve Mfg. Co. (For Pumping Organs), 9 Oakwood av, Troy, N. Y.
Roto Co. ("Roto"), 74 Union pl, Hartford, Conn.
Rover A. B., Binghamton, N. Y.
Russell Jno. W. & Sons Co. ("Hercules"), Springfield, Mass.
Springfield Brass Co. ("Success"), Springfield, O.
Valle-Kilmes Co. ("V. & K." Automatic), Dayton, O.
Valley City Machine Works (For Washing Machines, etc), Grand Rapids, Mich.
Whitney F. E. Co., 65 Sudbury, Boston, Mass.
Yost Gearless Motor Co., Springfield, O.

Moulds

See Molds, Various Kinds

10018—Mountings (Automobile)

Attwood Brass Works, Grand Rapids, Mich.
Central Metal Products Co. ("C. M. P."), Canton, Ohio
Columbus Brass Co. (Dash & Foot Rails), 620 Dublin av, Columbus, Ohio
See adv index at end of book
Cowles C. & Co., New Haven, Conn.
E V B Mfg Co., New Haven, Conn.
Ellison Brass Mfg. Co., Jamestown, N. Y.
English & Mersick Co., New Haven, Conn.
Mt. Carmel Mfg. Co. (Door Handles With or Without Locks), Dept. H, Mt. Carmel, Conn.
Murdock W. Jas. Co. (Metal), 116 Opera pl, Cincinnati, O.
Oakes Co. The (Drawn Sheet Metal), Indianapolis, Ind.
Parry A. N. & Co. (Brass, Slate, etc), Amesbury, Mass.
Vanadium Metals Co., Vanadium bldg, Pittsburgh, Pa.
White Mfg. Co. (Mouldings), 155 Cannon, Bridgeport, Conn.
Wing Chas. Co., Amesbury, Mass.
Woodruff Walter W. & Sons Co., Mount Carmel, Conn.
Zeigler Mfg. Co., Alexandria, Ind.

10019— Mountings (Bag)

Conlan Bernard & Co. (For Belts, Buckles, Purses, Ornaments, etc), 57 Hamilton, Newark, N. J.
Gould's M. Sons & Co., 115 Lafayette, Newark, N. J.
Jenkinson R. C. & Co., 193 Washington, Newark, N. J.
Waterbury Button Corporation, 831 South Main, Waterbury, Conn.
See adv index at end of book

10020—Mountings (Umbrella & Parasol)

Novelty Mfg. Co., Waterbury, Conn.
Waterbury Button Corporation, 831 South Main, Waterbury, Conn.
See adv index at end of book
Woolson James B., Watertown, Conn.

10021—Mounts (Photographic)

Advertisers Printing Co. (for Dental X-Ray), 128 Halleck, San Francisco, Cal.
Angel H. Reeve & Co., Inc., 7 Spruce, New York
Dunkirk Corp. ("Dunco"), 12 E 2nd, Dunkirk, N. Y.
York Corrugating Co., York, Pa.

10021a—Mouthpieces for Various Purposes

Daly M. J. & Sons Inc. ("Daly Patent" for Power & Heating Boilers; Circulating Water), 555H Bank, Waterbury, Conn.
Lamprey Co. (Circulating Water), Westfield, Mass.
Standard Electric Mfg. Co., 925 Wrightwood av
Stiles H. A. & Co. (Novelty & Advertising), 166-174 Portland, Boston, Mass.
See adv index at end of book

10022—Movements (Clock, Gauge, Meter, Etc.)

Fiego Alex. J. R., Lynn, Mass.
New Haven Clock Co. (clocks only), New Haven, Conn.
PLUMB D. S., 73-77 Norfolk, nr Central av, Newark, N. J.
See adv index at end of book
Reeves Mfg. Co., Milford, Conn.
Waterbury Clock Co., Waterbury, Conn.

10023—*Movements (Recording & Scientific Instrument)

PLUMB D. S. (Also for Clocks, Meters, Gauges, etc), 73-77 Norfolk, nr Central av, Newark, N. J.
See adv index at end of book

10024—Mower & Reaper Sections

Henry & Allen, Auburn, N. Y.
Herschel R. Mfg. Co., Peoria, Ill.
Stevenson Mfg. Co. (Wooden), South Bend., Ind. *See adv index at end of book*
Whitaker Mfg. Co., 409 S Green, Chicago, Ill.
Wood Walter A. Mowing & Reaping Machine Co., Hoosick Falls, N. Y.

10025— Mowers

See also Agricultural Implements Mfrs., Harvesters, Reapers

Acme Harvesting Machine Co. ("Acme" Grass Mowers), Peoria, Ill.
Beatrice Iron Works, Beatrice, Neb.
Deere John Harvester Works, East Moline, Ill.
Emerson Brantingham Co. ("E. B." & "E. B. Osborne," "Standard"), Rockford, Ill.
Eureka Mower Co. ("Eureka"), 1005 Hickory, Utica, N. Y.
Granite State Mowing Machine Co., Hinsdale, N. H.
Independent Harvester Co. ("Independent"), Plano, Ill.
International Harvester Company of America (Inc.) ("Deering," "McCormick," "Milwaukee"), Harvester bldg, Chicago, Ill.
Massey Harris Harvester Co. ("Johnston"), Batavia, N. Y.
Messinger Mfg. Co., Tatamy, Pa.
Moline Plow Co. ("Adriance," "Buckeye," "Thomas Crown"), Moline, Ill.
Rawls Machine & Mfg. Co. ("Rawls" Track & Highway, for Railroads), 1412 N Halsted, Chicago, Ill.
Sandwich Mfg. Co., Sandwich, Ill.
Sieberling & Miller Co., Doylestown, O.
Thomas Mfg. Co. ("Thomas Crown" Regular & Changeable Speed & Ditch Bank), Springfield, O.
Wood W. A. Mowing & Reaping Machine Co. (Giant Admiral), Hoosick Falls, N. Y.

10026— Mucilage Mfrs.

See also Dextrine. Liquid Glue, Paste, etc

Arabol Mfg. Co., 100 William, New York
Bankers' Ink Co., Kansas City, Mo.
Berners E. C. ("Berners" Pencil), 1404H 15th, Two Rivers, Wis.
Carter's Ink Co. ("Great Stickest"), E Cambridge, Boston, Mass.
Continental Mfg. Co. ("Willstick," "Universal"), 4611 Girard, Phila., Pa.
Davids Thaddeus Ink Co., 97 Van Dam, New York
Davis Wm. A. Co. ("U. S. Treasury"), 40 Batterymarch, Boston, Mass.
Dennison Mfg. Co., S. Framingham, Mass.
Diamond Ink Co., 193 E Water, Milwaukee, Wis.

D. S. PLUMB,

Clock Work, Intricate Mechanical Instruments and Recording Devices.

73-77 NORFOLK ST. (Near Central Ave.) NEWARK, N. J.

Movements or Counters for Various Mechanical Purposes.
Movements for Steam Gauges, Pyrometers and Recording Instruments.
ESTABLISHED 1882. **Complete Instruments Manufactured to Order in Quantity.**

See Headings—CLOCK WORK, GEARS, INSTRUMENTS, MOVEMENTS, SPECIAL MACHINERY.

Edwards H. Mfg. Co. ("Edwards"), 20 Natoma, San Francisco, Cal.
Elwell B. F. Glue Co., Rockport, Mass.
Higgins Chas. M. & Co., 271 9th, Brooklyn, N. Y.
Ink Ribbon Mfg. Co. ("Quicksticker"), 635 Howard, San Francisco, Cal.
Keller Robt Ink Co., 1441 Bklyn, Detroit, Mich.
Kirk Harry D., 2316 W Harrison, Chicago, Ill.
Montebello Ink Co., 630 Clay, San Francisco, Cal.
Moore J. & I. E., Warren, Mass.
National Gum & Mica Co., 59th & 11th av, New York
Nicol J. M. & J. S., Hawthorne, N. J.
Pomeroy Ink Mfg. Co., 155 E Park, Newark, N. J.
Woodmansee F. A., 117 E Pearl, Cincinnati, O.

Mud Pumps

See Pumps (Sand & Dredging)

10026a— *Muddlers (Wooden)

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

Mudguards (Automobile)

See Fenders & Guards, Automobile.

10027—Muffle Furnace Fronts

Bethlehem Foundry & Machine Co. (For Chemical Mfrs., etc), South Bethlehem, Pa.

10028—Mufflers (Exhaust, Automobile)

Buffalo Pressed Steel Co. ("Bupresco"), 800 Kensington av, Buffalo, N. Y.
Emco Mfg. Co., 1H Starr av, Binghamton, N. Y.
Empire Metal Tank Works, E Rochester, N. Y.
Gem Stamped Steel Co. ("Gem" Exhaust), Chelsea, Mass.
Gemco Mfg. Co. ("Anti-Explo," "Milwaukee"), Milwaukee, Wis.
Geer Harry R. Co. (Motor Cycles), 858 McLaran av, St. Louis, Mo.
Geuder, Paeschke & Frey Co. (Exhaust), 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Gray-Hawley Mfg. Co. ("Gray"), 3123 E Jefferson, Detroit, Mich.
Hayes Mfg. Co., 455 Mayberry, Detroit, Mich.
Lawson F. H. Co. (For Fords), Evans & Whateley, Cincinnati, O.
Louisiana Metal Cabinet Works, 1919 Bienville, New Orleans, La.
Messenger & Parks Mfg. Co., Aurora, Ill.
Michigan Stamping Co., Mack & Outer Belt Line, Detroit, Mich.
Milwaukee Auto Engine & Supply Co., 341 29th, Milwaukee, Wis.
Milwaukee Motor Sales Co., 1802 North av, Milwaukee, Wis.
Mullins Body Corp., Salem, O.
Neustadt Auto & Supply Co., 3200 Locust, St. Louis, Mo.
Northway Motor & Mfg. Co., Mayberry & G. T. R. R., Detroit, Mich.
Oldberg Mfg. Co., 2661 E Grand blvd, Detroit, Mich.
Open Muffler Mfg. Co., 340 Azusa, Los Angeles, Cal.
Pettis W. W. Co., 416-417 First Nat'l Bank bldg, Cincinnati, O.
Powell Muffler Co., Utica, N. Y.
Powell Pressed Steel Co. ("Kemble" Truck), Hubbard, O.
Smith D. B. & Co. ("Yankee"), Utica, N. Y.
Troike Muffler & Mfg. Co. ("Troike"), Loraine, O.
Weeber C. F. Mfg. Works ("Weeber"), Albany, N. Y.
Weiss L. T., 286 Taaffe pl, Brooklyn, N. Y.
Willcox Engineering Co., 1525 Holland av, Saginaw, Mich.
Xardell Bros. Co. (Vacuum), Utica, N. Y.

10028a—*Mufflers (Gas Engine)

Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book

10028b—Mufflers (Marine)

Hydrex Silent Exhaust Works (Mfrs. & Patentees) ("Slexo"), Roslyn, Pa.
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Laughlin Thos. Co. ("Vapo"), 135 Fore, Portland, Me.
See adv index at end of book

10029—*Mufflers (Pop Valve)

LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
See adv index at end of book
MANNING MAXWELL & MOORE, INC. (Consolidated Safety Valve Co. Div.), 100 E 42nd, New York
See adv index at end of book

10030— Muffles

Baker & Co. (Platinum), 54 Austin, Newark, N. J.
Bishop J. & Co. Platinum Wks., Malvern, Pa.
Braun-Knecht-Heimann Co. (Colorado Clay), 576-584 Mission, San Francisco, Cal.
Carborundum Co. (Silfrox), Niagara Falls, N. Y.
Detroit Steel Casting Co., 4069H Michigan, Detroit, Mich.
Dixon Joseph Crucible Co., Jersey City, N. J.
McCullough-Dalzell Crucible Co., 36th & Av V. R. R., Pittsburgh, Pa.
Metals Production Equipment Co., Springfield, Mass.
Monarch Engineering Mfg. Co. (Annealing), American bldg, Baltimore, Md.
Thermal Syndicate, Ltd., 350 Madison av, New York
Vaughn Machinery Co. (Wire & Wire Discs), Cuyahoga Falls, O.
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.

10031—Muffles (Enameling)

Brooklyn Fire Brick Works, 88 Van Dyke, Brooklyn, N. Y.

10032— Mugs (Beer)

Central Glass Works, Wheeling, W. Va.
ERIE PUMP & ENGINE WORKS, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Monongah Glass Co., Fairmont, W. Va.
Rochester Tumbler Co., Rochester, Pa.

10033-4—Multi Stage, High Lift Centrifugal Pumps

Byron Jackson Iron Works, Sharon bldg, San Francisco, Cal.
Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
ERIE PUMP & ENGINE WORKS, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.

Muriate of Ammonia

See Sal-Ammoniac

Muriate of Potash

See Firms in Potash with the word "Muriate" following name.

Muriates of Tin

See Tin Crystals

10035—Music Holders or Racks

Riordan T. G. Mfg. Co., 3943 Lincoln av, Chicago, Ill.
Syracuse Wire Works (Wire, Piano Player Roll Racks, 101 University av, Syracuse, N. Y.

10036— Muslin (Varnished)

Dielectric Mfg. Co. (For Electrical Insulation), 224 S Vandeventer av, St. Louis, Mo.

10036a— Mutes (Violin)

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*

10037— Muzzles (Dog)

Bardall J. C. Co., Moundsville, W. Va.
Buchheimer Geo. H. (Leather), 1004 Rutland av, Baltimore, Md.
Graham & Berwin (Leather), 107 Lafayette, New York
Hamblin & Russell Mfg. Co., Worcester, Mass.
Meyers Fred J. Mfg. Co., Hamilton, O.
Stevens Walter B. & Son ("Happidog"), 107 Chambers, New York
Washburn Co. (Wire Goods Div.), 28 Union, Worcester, Mass.

10038—Muzzles (Horse & Ox)

Barbee Wire & Iron Works (Wire), Lafayette, Ind.
Buchheimer Geo. H., 508H Sann, Baltimore, Md.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Jelliff C. O. Mfg. Corp., Box 68, Southport, Conn.
Langstroth T. W. (Horse), 77 Warren, New York
Thrope F. M. Mfg. Co., Larmar, Mo.
Washburn Co. (Wire Goods Div.) (Japanned Wire, etc.), 28 Union, Worcester, Mass.

10039— Myrbane

Berlin Aniline Works, 313 Water, New York
Calco Chemical Co. (Oils, for Soap and Perfumery), Bound Brook, N. J.
Fergusson Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Magnus, Mabee & Reynard (Imp.), 257 Pearl, New York
National Aniline & Chemical Co., Inc., (Oil of), 40 Rector, New York

10040— Myrobalans

Carleton & Moffat (Imp.), 25 S William, New York
Fergusson Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Haley-Hammond Co., 129 Pearl, New York
Innis, Speiden & Co. Inc., 46 Cliff, New York
Klipstein A. & Co. (Imported), 644 Greenwich, New York
Marden, Orth & Hastings Co. (Imp.), 136 Liberty, New York
Worden Chemical Works (Imp.), 4 Cedar, New York

10041— Nail Sets

Braunsdorf-Mueller Co., Elizabeth, N. J.
Brown & Sharpe Mfg. Co., Providence, R. I.
Browne & Dowd Mfg. Co. (Knurled Cup Point), Meriden, Conn.
Buck Bros., Millbury, Mass.
Buell Bros., Clinton, Conn.
Buffum Tool Co. ("Swastika," Tinners), South Side, Louisiana, Mo.
Bullock Mfg. Associates, Springfield, Mass
Cronk & Carrier Mfg. Co., Elmira, N. Y.
Deuse J. S., Chester, Conn.
Goodell-Pratt Co., Greenfield, Mass.
Igoe Brothers (Nails in Packages), Canal & Lafayette, New York
See adv index at end of book
Jennings C. E. & Co. ("C. E. J. & Co.'s"), 71 Murray, New York
Johnson Wm. (Hedenberg Works), (Plain, Knurled Cup Points), Newark, N. J.
Kraeuter & Co., 583 18th av, Newark, N. J.
Lowentraut P. Mfg. Co., 36 Brenner ("U. S."), Newark, N. J.
Mayhew H. H. Co., Shelburne Falls, Mass.
Millers Falls Co. ("Easy Hold," "Won't Roll," "O. K."), West Haven Plant), Dept. H, Millers Falls, Mass.
Plumb Tool Mfg. Co., 2209 Santa Fe av, Los Angeles, Cal.
Sawyer Tool Mfg. Co., Ashburnham, Mass.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Smith H. D. & Co. ("Sharpenezy"), Plantsville, Conn.
Smith David H. & Sons, Foot of 51st, Brooklyn, N. Y.
See adv index at end of book
Smith & Hemenway Co., Inc. ("Red Devil"), 261 Broadway, New York & 130 H. Coit, Irvington, N. J.
See adv index at end of book
Snell Mfg. Co., Fiskdale, Mass.
Stanley Rule & Level Co., New Britain, Conn.
Starrett L. S. Co., Athol, Mass.
Steffen Gustave, 1934-38 N Reese, Philadelphia, Pa.
Stortz John & Son, 210 Vine, Phila, Pa.
Syracuse Twist Drill Co. ("Syracuse" & "Norol"), 936H Grape, Syracuse, N. Y.
Thayer Mfg. Co., Williamsburg, Mass.
TORRINGTON CO. (THE), Excelsior Plant, Torrington, Conn.
See adv index at end of book
Tuck Mfg. Co. (Plain, Corrugated, Knurled & Channel), Brockton, Mass.
Union Tool Co., Orange, Mass.
Vaughan & Bushnell Mfg. Co. ("V. & B."), 2114 Carroll av, Chicago, Ill.
Wells Corporation (The), 15 Arch, Greenfield, Mass.
See adv index at end of book
Williams William Jr., New Britain, Conn.

10042— Nails (Aluminum)

Hassall Jno. (Inc.), Clay & Oakland, Brooklyn, N. Y.
See adv index at end of book
Milwaukee Tack Co., 27th & Wahl av, Milwaukee, Wis.

10043—Nails (Aluminum Coated)

Wilder Metal Coating & Mfg. Co., Connellsville, Pa

10044— Nails (Barbed)

American Steel Co., Park bldg, Pittsburgh, Pa
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Angell Nail & Chaplet Co., 2657 E. 79th, Cleveland, O.
Belfont Iron Works Co., Ironton, O.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Gulf States Steel Co., Birmingham, Ala.
Keystone Steel & Wire Co., Peoria, Ill.
Kokomo Steel & Wire Co., Kokomo, Ind
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Norton Iron Works (Common & Car), Ashland, Ky.
Smith David H. & Sons, Foot of 51st, Brooklyn, N. Y.
See adv index at end of book
Townsend Co., New Brighton, Pa.
See adv index at end of book
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.
Washburn Co. (Wire Goods Div.), 28 Union, Worcester, Mass.
Youngstown Sheet & Tube Co. (Common & Car "Youngstown"), Youngstown, O.

Nails (Barrel)

See Nails, Box

10045— Nails (Basket)

American Steel Co., Park bldg, Pittsburgh, Pa.
American Steel & Wire Co., 208 La Salle, Chicago, Ill.
See adv index at end of book
Genesee Tack Co., Rochester, N. Y.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Independent Steel Corp., 111 Broad, New York
Laboratories (Liquid), 25 W. 45th, New York
Shelton Tack Co., Shelton, Conn.
Townsend Co., New Brighton, Pa.
See adv index at end of book
Wilson Steel Products Co., Dept H, 49th & Western av, Chicago, Ill.

10045a—Nails (Blue Lathed, Sanitary)

LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Youngstown Sheet & Tube Co. ("Youngstown), Youngstown, O.

10045b—*Nails (Boot & Shoe, Wire)

GRAMMES L. F. & SONS, 311 Union, Allentown, Pa.
See adv index at end of book

10046— Nails (Box)

See also Nails, Wire

American Steel Co., Park bldg, Pittsburgh, Pa.
AMERICAN STEEL & WIRE CO. (Barbed & Smooth), 208 S La Salle, Chicago, Ill. *See adv index at end of book*
Belfont Iron Works Co., Ironton, O.
Bethlehem Steel Co., Bethlehem, Pa.
Crawfordsville Wire & Nail Co. (Barbed), Crawfordsville, Ind.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Gulf States Steel Co., Birmingham, Ala.
Independent Steel Corp., 111 Broad, New York
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Kokomo Steel & Wire Co., Kokomo, Ind.
La Belle Iron Works, Steubenville, O.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Milwaukee Tack Co. (Berry Box, Basket etc), 27th & Wahl av, Milwaukee, Wis.
Norton Iron Works, Ashland, Ky.
Smith David H. & Sons, Foot of 51st, Brooklyn, N. Y.
See adv index at end of book
Stanley Geo. W. Co. (Barrel Only), Belleville, Ill.
Townsend Co., New Brighton, Pa.
See adv index at end of book
Tremont Nail Co. (Cut), West Wareham, Mass.
Van Alen & Co. (Cut), Northumberland, Pa.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.
Washburn Co. (Wire Goods Div.), 28 Union, Worcester, Mass.
Youngstown Sheet & Tube Co. ("Youngstown"), Youngstown, O

10047—Nails (Brass & Copper)

Angell Nail & Chaplet Co. (Copper), 2657 E. 79th, Cleveland, O.
Atlas Tack Co., Fair Haven, Mass.
Berbecker & Rowland Mfg. Co., Waterville, Conn
Clendenin Bros. (Copper), cor Central av & Fawn, Baltimore, Md.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Grand Crossing Tack Co., S Chicago av & E 79th, Chicago, Ill.
Hassall Jno. (Inc.), (Boat, Slating, etc), Clay & Oakland, Brooklyn, N. Y.
See adv index at end of book
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Mattatuck Mfg. Co. (Brass Furniture), Waterbury, Conn.
Milwaukee Tack Co., 27th & Wahl av, Milwaukee, Wis.
Penn Tack Co., Norristown, Pa.
Rome Brass & Copper Co. (Cut Copper), Rome, N. Y.
Shelton Tack Co., Shelton, Conn.
SMITH DAVID H. & SONS, Foot of 51st, Brooklyn, N. Y.
See adv index at end of book
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Taunton-New Bedford Copper Co. (Composition & Copper), Taunton, Mass.
Turner & Seymour Mfg. Co. (Fancy Brass), Torrington, Conn.
Wilson Steel Products Co. (Copper, Cobblers'), Dept H, 49th & Western av, Chicago, Ill.

10048— Nails (Broom)

American Steel Co., H Park bldg, Pittsburgh, Pa.
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Belfont Iron Works Co., Ironton, O.
Townsend Co., New Brighton, Pa.
Wickwire Spencer Steel Corp., 41 E 42nd, New York
See adv index at end of book
Wilson Steel Products Co. (Also Brush), Dept H, 49th & Western av, Chicago, Ill.

10048a— Nails (Car Lining)

Wilson Steel Products Co. (& Carriage), 49th & Western av, Chicago, Ill.

10049— Nails (Carpet)

AMERICAN STEEL & WIRE CO. ("Peerless," "American" Tacks), 208 S La Salle, Chicago, Ill.
See adv index at end of book
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Milwaukee Tack Co. ("Bonita," "Standard," "Leroy," etc), 27th & Wahl av, Milwaukee, Wis.
Penn Tack Co., Norristown, Pa.
Turner & Seymour Mfg. Co., Torrington, Conn.
Waterman R. C. & Co., S. Hanover, Mass.
Wilson Steel Products Co. (Also Stair), Dept H, 49th & Western av, Chicago, Ill.

10050— Nails (Casing)

American Steel Co., Park bldg., Pittsburgh, Pa.
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Belfont Iron Works Co., Ironton, O.
Bethlehem Steel Co., Bethlehem, Pa.
Crawfordsville Wire & Nail Co., Crawfordsville, Ind.
Gulf States Steel Co., Birmingham, Ala.
Kokomo Steel & Wire Co., Kokomo, Ind.
La Belle Iron Works, Steubenville, O.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Smith David H. & Sons, Foot of 51st, Brooklyn, N. Y.
See adv index at end of book
Townsend Co., New Brighton, Pa.
See adv index at end of book
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Wilson Steel Products Co., Dept H, 49th & Western av, Chicago, Ill.
Youngstown Sheet & Tube Co. (Casing & Smooth Box "Youngstown"), Youngstown, O.

10051—Nails (Cement Coated Wire)

American Steel Co., Park bldg, Pittsburgh, Pa.
Am. Steel & Wire Co., 208 S La Salle, Chicago, Ill. *See adv index at end of book*
Bethlehem Steel Co., Bethlehem, Pa.
Continental Steel & Supply Co., Fulton bldg, Pittsburgh, Pa.
Eastern Nail Co., Providence, R. I.
Illinois Nail Co., 826 Dix, Chicago, Ill.
Indiana Steel & Wire Co., Muncie, Ind.
Independent Steel Corp., 19 Moore, New York
Interstate Iron & Steel Co., 104 S Michigan av, Chicago, Ill.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book

J. K. LARKIN & CO.
253 Broadway
NEW YORK

Middleton Nail Works ("Midio" "Stickers"), 911 Callowhill, Phila., Pa.
Middleton Howard W. Co. ("Midco," "Stickers"), 911 Callowhill, Phila., Pa.
Townsend Co., New Brighton, Pa.
See adv index at end of book
Virginia Steel Supply Co., Inc. (Dlrs.), 17th & Dock, Richmond, Va.
Walton & Macke Nail Co., Kokomo, Ind.
Wheeling Corrugating Co. ("Wheeling"), Wheeling, W. Va.
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

10052— Nails (Cigar Box)

American Steel Co., H Park bldg, Pittsburgh, Pa.
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book

Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Hassall Jno. (Inc.), Clay & Oakland, Brooklyn, N. Y.
See adv index at end of book
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Milwaukee Tack Co., 27th & Wahl av, Milwaukee, Wis.
TOWNSEND CO., New Brighton, Pa.
See adv index at end of book
Waterman R. C. & Co., S. Hanover, Mass.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Wilson Steel Products Co., Dept H, 49th & Western av, Chicago, Ill.

10052a— Nails (Clamp)

Acme Steel Goods Co., 2834 Archer av, Chicago, Ill.

10053— Nails (Clinch)

American Steel Co., Park bldg, Pittsburgh, Pa.
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Baker Chas. F. & Co. (Wired), 48 Lincoln, Boston, Mass.
Belfont Iron Works Co., Ironton, O.
Bethlehem Steel Co., Bethlehem, Pa.
Crawfordsville Wire & Nail Co. (Barbed), Crawfordsville, Ind.
Gulf States Steel Co., Birmingham, Ala.
Kokomo Steel & Wire Co., Kokomo, Ind.
La Belle Iron Works, Steubenville, O.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
New York Iron Roofing & Corrugating Co., 94 1st, Jersey City, N. J.
Roberts G. G. Corp. ("Bull Dog"), Whitman, Mass.
Smith David H. & Sons, Foot of 51st, Brooklyn, N. Y.
See adv index at end of book
Townsend Co., New Brighton, Pa.
Van Alen & Co. (Cut), Northumberland, Pa.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.
Youngstown Sheet & Tube Co. ("Youngstown"), Youngstown, O.

Nails (Clout)

See Nails, Trunk, Clout & Finishing

10054— Nails (Clutch)

Acme Steel Goods Co., 2834 Archer av, Chicago, Ill.
CARY MFG. CO. ("Cary's Patented Protective Scale Seals), Nassau & Jay, Brooklyn, N. Y.
See adv index at end of book
De Haven Mfg. Co., 50 Columbia Heights, Brooklyn, N. Y.
Grammes L. F. & Sons, Allentown, Pa.
See adv index at end of book
Wilson Steel Products Co., Dept H, 49th & Western av, Chicago, Ill.

10055— Nails (Coated)

American Steel Co. (Cement), H, Park bldg, Pittsburgh, Pa.
Brower Roy L. Corp., 86 Front, New York
Independent Steel Corp., 19 Moore, New York
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Townsend Co., New Brighton, Pa.
See adv index at end of book
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.
Youngstown Sheet & Tube Co. ("Youngstown"), Youngstown, O.

10056— Nails (Corrugated)

Acme Steel Goods Co., 2834 Archer av, Chicago, Ill.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Penn Tack Co. (Brass, Cobblers', Headless Tapping), Norristown, Pa.
Phillips E. & Sons (Brass & Iron), South Hanover, Mass.
Rome Brass & Copper Co. (Brass Shoe), Rome, N. Y.
Townsend Co., New Brighton, Pa.
See adv index at end of book

10057— Nails (Cut)

Brooke E. & G. Iron Co. (Black & Galvanized, Iron or Steel), Birdsboro, Pa.
Eastern Nail Co., Providence, R. I.
Fisher C. W., 52H Broadway, New York
Holland Mfg. Co., Central av & Bank, Baltimore, Md.
Illinois Nail Co., 826 Dix, Chicago, Ill.
Iron Trade Products Co., **Farmers Bank bldg, Pittsburgh, Pa.**
Kelly Nail & Iron Co., Ironton, O.
La Belle Iron Works, **Steubenville, O.**
LARKIN & CO. J. K. (Iron & Steel), 253 Broadway, N. Y.
See adv index at end of book
Lessig Geo. B. Co. (Iron & Steel), Pottstown, Pa.
Malleable Iron Fittings Co. ("M. I. F. Co." Zinc Coated Iron), Branford, Conn.
Norton Iron Works, Ashland, Ky.
Penn Tack Co. (Blue & Tinned), Norristown, Pa.
Reading Iron Co., Baer bldg, Reading, Pa.
Smith David H. & Sons, foot of 51st, Brooklyn, N. Y.
See adv index at end of book
Stanley Geo. W. Co., Belleville, Ill.
Tremont Nail Co., West Wareham, Mass.
Van Alen & Co. (Iron & Steel), Northumberland, Pa.
Wheeling Steel Corp., Wheeling, W. Va.
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

10058—Nails (Double Headed)

LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Neider F. A. & Co. ("Economy"), Dept H, Augusta, Ky.
TOWNSEND CO., New Brighton, Pa.
See adv index at end of book

Nails (Electrotypers' & Engravers')

See Nails, Small

Nails (Finishing)

See Nails, Trunk Clout & Finishing

Nails (Floor)

See Nails, Trunk, Clout & Finishing

10059— Nails (Foundry)

American Steel Co., Park bldg, Pittsburgh, Pa.
Angell Nail & Chaplet Co., 2657 E 79th, Cleveland, O.
Bethlehem Steel Co., Bethlehem, Pa.
Brooke E. & G. Iron Co. (Iron), Birdsboro, Pa.
Gulf States Steel Co., Birmingham, Ala.
Kokomo Steel & Wire Co., Kokomo, Ind.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Smith David H. & Sons, Foot of 51st, Brooklyn, N. Y.
See adv index at end of book
Townsend Co., New Brighton, Pa.
See adv index at end of book
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.
Youngstown Sheet & Tube Co., Youngstown, O.

10060-1—Nails (Galvanized)

American Steel Co., Park bldg, Pittsburgh, Pa.
AMERICAN STEEL & WIRE CO., 208 S. La Salle, Chicago, Ill.
See adv index at end of book
Angell Nail & Chaplet Co., 2657 E. 79th, Cleveland, O.
Belfont Iron Works Co. (Wire), Ironton, O.
Brooke E. & G. Iron Co. (Cut), Birdsboro, Pa.
Eastern Nail Co., Providence, R. I.
Fisher C. W., 52H Broadway, New York
Globe Iron Roofing & Corrugating Co., Dept H, Newport, Ky.
Gulf States Steel Co., Birmingham, Ala.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Kokomo Steel & Wire Co., Kokomo, Ind.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book

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Malleable Iron Fittings Co. ("M. I. F. Co." Iron & Steel, Cut, Wire & Boat Nails, etc), Branford, Conn.
Newport Rolling Mill Co., Newport, Ky.
Pittsburgh Steel Co. ("Pittsburgh Perfect" Wire, All Kinds), 5th av & Grant, Pittsburgh, Pa.
Shelby Wire Co., Dept H, Shelby, O.
Smith David H. & Sons, Foot of 51st, Brooklyn, N. Y.
See adv index at end of book
Starke Adolph (Est. of), Dept. H, Columbia & Signourney, Brooklyn, N. Y.
Townsend Co., New Brighton, Pa.
See adv index at end of book
Tremont Nail Co. (Cut), West Wareham, Mass.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Wilcox, Crittenden & Co. Inc. (Cut, Boat & Wire), 444 S Main, Middletown, Conn. *See adv index at end of book*
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.
Youngstown Sheet & Tube Co. ("Youngstown"), Youngstown, O.

10062—Nails (Gilt, Furniture, Etc.)

American Steel Co., Park bldg, Pittsburgh, Pa.
Traut & Hine Mfg. Co., New Britain, Conn.
Turner & Seymour Mfg. Co., Torrington, Conn.
Wilson Steel Products Co., Dept H, 49th & Western av, Chicago, Ill.

10063—Nails (Hand Picked)

Hassall Jno. (Inc.) (For Machine Driving), Clay & Oakland, Brooklyn, N. Y.
See adv index at end of book
Townsend Co., New Brighton, Pa.
See adv index at end of book

10064— Nails (Hoop)

American Steel Co., Park bldg, Pittsburgh, Pa.
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Belfont Iron Works Co., Ironton, O.
Cleveland Tack Works, 1205 E 55th, Cleveland, O.
Genesee Tack Co., Rochester, N. Y.
Gulf States Steel Co., Birmingham, Ala.
Kokomo Steel & Wire Co., Kokomo, Ind.
La Belle Iron Works, Steubenville, O.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Milwaukee Tack Co., 27th & Wahl av, Milwaukee, Wis.
Norton Iron Works, Ashland, Ky.
Smith David H. & Sons, Foot of 51st, Brooklyn, N. Y.
See adv index at end of book
Superior Tack & Nail Co., Derby, Conn.
Tower Mfg. Co., Elm & Commerce, Cincinnati, O.
Townsend Co., New Brighton, Pa.
See adv index at end of book
Wilson Steel Products Co., Dept H, 49th & Western av, Chicago, Ill.

10065— Nails (Horse)

Ausable-Essex Horse Nail Co. ("Ausable," "American," "Clinton"), Keeseville, N. Y.
Capewell Horse Nail Co., Governor, Hartford Conn.
Essex Horse Nail Co. (Ltd.), Essex, N. Y.
Fowler & Union Horse Nail Co. Inc. ("Crown," "Northwestern," "Reliance," "Shamrock," "Union," "Vulcan"), 1006 Military rd, Buffalo, N. Y.
Standard Horse Nail Co. ("Brighton," "Russell," "Beaver," "Bright Shear Blue," "New Standard," "Leader"), New Brighton, Pa.

10066— Nails (Hub Band)

Atlas Tack Co., Fair Haven, Mass.
Townsend Co., New Brighton, Pa.
See adv index at end of book
Wilson Steel Products Co., Dept H, 49th & Western av, Chicago, Ill.

10067— Nails (Hungarian)

Genessee Tack Co., Rochester, N. Y.
Ripley & Bartlett, Plymouth, Mass.
Wilson Steel Products Co. (Iron), Dept H, 49th & Western av, Chicago, Ill.

10068— Nails (Insulated)

Eureka Supply Co., Sewell, N. J.

10069— Nails (Lead)

Hassall Jno. (Inc.), Clay & Oakland, Brooklyn, N. Y.
See adv index at end of book
Lampson Lumber Co., New Haven, Conn.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Smith David H. & Sons, Foot of 51st, Brooklyn, N. Y.
See adv index at end of book

10070— Nails (Mission)

Turner & Seymour Mfg. Co. (Cast Brass), Torrington, Conn.

(Continued on following page)

10070a—Nails (Monel Metal)

Atlas Tack Corp., Fairhaven, Mass.
Igoe Bros., 61 Metropolitan av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
John Hassall Inc., 402 Oakland, Brooklyn, N. Y.
Laidlaw Bale Tie Co., Hamilton, Ont.
Sholes, Inc., 186 Lafayette, New York
Steel Sales Corp., 129 S Jefferson, Chicago, Ill.
Townsend Co., New Brighton, Pa.
See adv index at end of book
United Shoe Machinery Corp., Boston, Mass.
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

10071—Nails (Nailing Machine)

Am. Steel Co., H Park bldg, Pittsburgh, Pa.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Hassall John (Inc.), Clay & Oakland, Brooklyn, N. Y.
See adv index at end of book
Townsend Co., New Brighton, Pa.
See adv index at end of book
Wilson Steel Products Co., Dept H, 49th & Western av, Chicago, Ill.

10072—Nails (Needle Point)

American Steel Co., Park bldg, Pittsburgh, Pa.
Angell Nail & Chaplet Co., 3657 E. 79th, Cleveland, O.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Townsend Co., New Brighton, Pa.
See adv index at end of book
Wilson Steel Products Co., Dept H, 49th & Western av, Chicago, Ill.

10072a—Nails (Nickel Silver)

Hassall John (Inc.), Clay & Oakland, Brooklyn, N. Y.
See adv index at end of book

10073— Nails (Numeral)

Berbecker & Rowland Mfg. Co., Waterville, Conn.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Turner & Seymour Mfg. Co., Torrington, Conn.

10074— Nails (Oxidized)

Baltimore Oxidized Nail Co., 215 S Central av, Baltimore, Md.

Nails (Photo Engravers)

See Nails, Electrotypers' & Engravers'

10075— Nails (Picture)

Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Parker Wire Goods Co. ("Crown" Brass Capped), Worcester, Mass.
Townsend Co., New Brighton, Pa.
See adv index at end of book
Turner & Stanton Co. (Gilt & Fancy), Norwich, Conn.
Wilson Steel Products Co., Dept H, 49th & Western av, Chicago, Ill.

10076—Nails (Roofing & Slating)

American Steel Co., Park bldg., Pittsburgh, Pa.
AMERICAN STEEL & WIRE CO. (Barbed, Felt, Slating, Shingle, etc.), 208 S La Salle, Chicago, Ill.
See adv index at end of book
Angell Nail & Chaplet Co., 2657 E 79th, Cleveland, O.
Atlas Tack Co., Fairhaven, Mass.
Belfont Iron Works Co., Ironton, O.
Bethlehem Steel Co., Bethlehem, Pa.
Cleveland Tack Works (Slating), 1205 E 55th, Cleveland, O.
Crawfordsville Wire & Nail Co. (Barbed), Crawfordsville, Ind.
Crescent Brass & Pins Co. ("Simplex" Roofing Only), 5766H Trumbull, Detroit, Mich.
Delphos Mfg. Co. (Roofing), 1st & Pierce, Delphos, O.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Gulf States Co., Birmingham, Ala.
Hassall Jno. (Inc.), (Copper Wire), Clay & Oakland, Brooklyn, N. Y.
See adv index at end of book
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Hussey C. G. & Co. (Slating Nails), 2850 2d av, Pittsburgh, Pa
Jones & Laughlin Steel Co., Ross, Pittsburgh, Pa.
Kokomo Steel & Wire Co., Kokomo, Ind.
La Belle Iron Works, Steubenville, O.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Malleable Iron Fittings Co. ("M. I. F. Co.," Zinc Coated Iron), Branford, Conn.
Miller's H. J. Sons (Weatherproof Shingle), Bridgewater, Mass.
Milwaukee Corrugating Co. (Jobbers), Milwaukee, Wis.
Milwaukee Tack Co., 27th & Wahl av, Milwaukee, Wis.
Norton Iron Works, Ashland, Ky.
Phillips E. & Sons, S Hanover, Mass.
Pittsburgh Steel Co. ("Pittsburgh Perfect" Large Head), 5th av & Grant, Pittsburgh, Pa.
Sherman H. B. Mfg. Co. ("Simplex" Roofing Nails), Battle Creek, Mich.
Smith David H. & Sons, ft. of 51st, Brooklyn, N. Y. *See adv index at end of book*
Taunton-New Bedford Copper Co., Taunton, Mass.
Tower Mfg. Co., Elm & Commerce, Cincinnati, O.
Townsend Co., New Brighton, Pa.
See adv index at end of book
Tremont Nail Co., West Wareham, Mass.
Van Alen & Co., Northumberland, Pa.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.
Washburn Co. (Wire Goods Div.) (Barbed), 28 Union, Worcester, Mass.
See adv index at end of book
Youngstown Sheet & Tube Co. (Slating & Barbed Roofing "Youngstown"), Youngstown, O.

10077—Nails (Rubber Headed)

Combination Rubber Mfg. Co., Bloomfield, N. J.
Elastic Tip Co., 370 Atlantic av, Boston, Mass.

10078— Nails (Rubber Heel)

Eastern Nail Co., Providence, R. I.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Townsend Co., New Brighton, Pa.
See adv index at end of book

10079—Nails (Saddle & Lining)

American Steel Co., Park bldg, Pittsburgh, Pa.
Atlas Tack Co., Fairhaven, Mass.
Enterprise Mfg. Co. ("Pfiueger" Harness Spots & Saddle Nails), Akron, O.
Kokomo Steel & Wire Co., Kokomo, Ind.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Shelton Tack Co. (Lining Only), Shelton, Conn.
Townsend Co., New Brighton, Pa.
See adv index at end of book
Wilson Steel Products Co., Dept H, 49th & Western av, Chicago, Ill.

Nails (Screen)

See Nails, Small

10080— Nails (Screw Head)

Hassall Jno. (Inc.), Clay & Oakland, Brooklyn, N. Y.
See adv index at end of book
Kokomo Steel & Wire Co., Kokomo, Ind.
Smith David H. & Sons, ft. of 51st, Brooklyn, N. Y. *See adv index at end of book*
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Townsend Co., New Brighton, Pa.
See adv index at end of book
Wilson Steel Products Co., Dept H, 49th & Western av, Chicago, Ill.

10081—Nails (Self-Clinching)

American Steel Co., Park bldg, Pittsburgh, Pa.
Smith David H. & Sons, ft. of 51st, Brooklyn, N. Y. *See adv index at end of book*
Townsend Co., New Brighton, Pa.
See adv index at end of book

10081a—Nails (Sheathing Iron)

LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book

10082— Nails (Sherardized)

Eastern Nail Co., Providence, R. I.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book

10083— Nails (Shingle)

American Steel Co., Park bldg, Pittsburgh, Pa.
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Angell Nail & Chaplet Co., 3657 E. 79th, Cleveland, O.
Bethlehem Steel Co., Bethlehem, Pa.
Crawfordsville Wire & Nail Co., Crawfordsville, Ind.
Jones & Laughlin Steel Co., Ross, Pittsburgh, Pa.
Kokomo Steel & Wire Co., Kokomo, Ind.
La Belle Iron Works, Steubenville, O.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Maze W. H. Co. (Solid Zinc), Peru, Ill.
Miller's H. J. Sons, Bridgewater, Mass.
Milwaukee Tack Co., 27th & Wahl av, Milwaukee, Wis.
National Sheet Metal Co. (Zinc), Peru, Ill.
Shelby Wire Co., Dept H, Shelby, O.
Townsend Co., New Brighton, Pa.
See adv index at end of book
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.
Youngstown Sheet & Tube Co. ("Youngstown"), Youngstown, O.

10084— Nails (Shoe)

Atlas Tack Co., Fairhaven, Mass.
Churchill & Allen, Lynn, Mass.
Clendenin Brothers (Brass & Brass Plated), 108 South, Baltimore, Md.
Cleveland Tack Works, 1205 E 55th (Also Shoe Tacks), Cleveland, O.
Cross W. W. & Co., Brockton, Mass.
Eastern Nail Co. (All Kinds), Providence, R. I.
Gurney D. B. Co., Whitman, Mass.
H. C. Tack Co., Cleveland, O.
Hassall Jno. Inc., Clay & Oakland, Brooklyn, N. Y. *See adv index at end of book*
Haverhill Tack Co., Haverhill, Mass.
Holland Mfg. Co., Central av. & Bank, Baltimore, Md.
Interstate Iron & Steel Co., 104 S Michigan av, Chicago, Ill.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Milwaukee Tack Co. (Iron, Steel & Zinc), 27th & Wahl av, Milwaukee, Wis.
Penn Tack Co., Norristown, Pa.
Phillips E. & Sons (Also Machine, Shoe, Brass & Copper Shoe), South Hanover, Mass.
Ripley & Bartlett, Plymouth, Mass.
Roberts G. G. Corp., Whitman, Mass.
Rome Brass & Copper Co. (Corrugated Brass), Rome, N. Y.
Shelton Tack Co., Shelton, Conn.
Stevens & Willis Co., South Braintree, Mass.
Tower Mfg. Co., Elm & Commerce, Cincinnati, O.
Townsend Co., New Brighton, Pa.
See adv index at end of book
United States Tack Co., Dept H, New Bedford, Mass.
Waterman R. C. & Co., So Hanover, Mass.
Wilson Steel Products Co., Dept H, 49th & Western av, Chicago, Ill.

10084a— *Nails (Side Pointed)

American Steel & Wire Co., 208 S La Salle, Chicago, Ill. ***See adv index at end of book***

10085— Nails (Small)

See also Tack Manufacturers

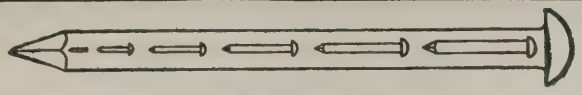
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Atlas Tack Co., Fairhaven, Mass.
Belfont Iron Works Co., Ironton, O.
Cleveland Tack Works, 1205 E 55th, Cleveland, O.
Fuller G. E. & A. I., Keene, N. H.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Gulf States Steel Co., Birmingham, Ala.
Hassall Jno. (Inc.), Clay & Oakland, Brooklyn, N. Y.
See adv index at end of book
Holland Mfg. Co., Central av & Bank, Baltimore, Md.
Milwaukee Tack Co., 27th & Wahl av, Milwaukee, Wis.
Phillips E. & Sons (Iron, Steel, Copper, Brass & Zinc), S Hanover, Mass.
Pig Tail Staple Co. ("Pigtail" Metal Furring Staples), 519 California, San Francisco, Cal.
See adv index at end of book
Rhodes M. M. & Sons Co. (Upholstery), Taunton, Mass.
Ripley & Bartlett, Plymouth, Mass.
Roberts G. G. Corp., Whitman, Mass.
Shelton Tack Co., Shelton, Conn.
Stanley Geo. W. Co., Belleville, Ill.
Torrington Mfg. Co. (Furniture), Torrington, Conn.
Tower Mfg. Co. (Basket Hoop, etc), Elm & Commerce, Cincinnati, O.
Townsend Co., New Brighton, Pa.
See adv index at end of book
Tremont Nail Co. (Cut), West Wareham, Mass.
Turner & Seymour Mfg. Co. (Furniture, etc), Torrington, Conn.



Rivets

Escutcheon Pins

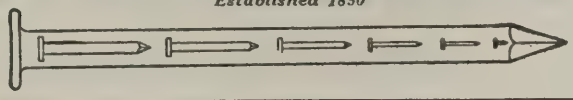
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Prompt Shipments



Waterman R. C. & Co., So Hanover, Mass.
Wilson Steel Products Co. (Screen), Dept H, 49th & Western av, Chicago, Ill.
York Tack & Nail Works (Cut), York, Pa.

10086—Nails (Socket Corner)

Berbecker & Rowland Mfg. Co., Waterville, Conn.

10087— Nails (Special)

American Steel Co., Park bldg, Pittsburgh, Pa.
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Angell Nail & Chaplet Co., 2657 E. 79th, Cleveland, O.
Belfont Iron Works Co., Ironton, O.
Bethlehem Steel Co., Bethlehem, Pa.
East Side Mfg. Co. ("Block Jack" Furring), 1367 E 12th, Oakland, Cal.
Economy Products Corp. ("Economy" Stucco Nails), 629 S San Pedro, Los Angeles, Cal.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Gulf States Steel Co., Birmingham, Ala.
HASSALL JNO. INC. (Also Plated), Clay & Oakland, Brooklyn, N. Y.
See adv index at end of book
Kokomo Steel & Wire Co., Kokomo, Ind.
La Belle Iron Works, Steubenville, O.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Pig Tail Staple Co. ("Pigtail" Metal Furring Staples), 519 California, San Francisco, Cal.
See adv index at end of book
Townsend Co., New Brighton, Pa.
See adv index at end of book
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

10088— Nails (Stay)

Brewer Bros. Co. (Wrought), 2743 N 2nd, Phila., Pa.
Hager C. & Sons, Hinge Mfg. Co. (Wrought Steel), St. Louis, Mo.

10089— Nails (Tie Dating)

American Steel & Wire Co. (Tie Pole or Marking), 208 So La Salle, Chicago, Ill.
See adv index at end of book
Kokomo Steel & Wire Co., Kokomo, Ind.
Smith David H. & Sons, ft. of 51st, Brooklyn, N. Y. *See adv index at end of book*
Track Specialties Co., Inc. (Dirs.), 2-4-6 Morris, New York
Western Railway Equipment Co., Central National Bank bldg, St. Louis, Mo.

10090—Nails (Tobacco Box)

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Bethlehem Steel Co., Bethlehem, Pa.
Gulf States Steel Co., Birmingham, Ala.
Kokomo Steel & Wire Co., Kokomo, Ind.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Norton Iron Works, Ashland, Ky.
Smith David H. & Sons, ft. of 51st, Brooklyn, N. Y. *See adv index at end of book*
Townsend Co., New Brighton, Pa.
See adv index at end of book
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.
Youngstown Sheet & Tube Co. ("Youngstown"), Youngstown, O.

10091—Nails (Trunk Clout & Finishing)

American Steel Co., Park bldg, Pittsburgh, Pa.
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Atlas Tack Co., Fair Haven, Mass.
Belfont Iron Works Co., Ironton, O.
Bethlehem Steel Co., Bethlehem, Pa.
Cleveland Tack Works, 1205 E 55th, Cleveland, O.
Crawfordsville Wire & Nail Co., Crawfordsville, Ind.
Genesee Tack Co., Rochester, N. Y.
Gulf States Steel Co., Birmingham, Ala.
Holland Mfg. Co., Central av & Bank, Baltimore, Md.
Kokomo Steel & Wire Co., Kokomo, Ind.
La Belle Iron Works, Steubenville, O.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Milwaukee Tack Co., 27th & Wahl av, Milwaukee, Wis.
Norton Iron Works, Ashland, Ky.
Penn Tack Co., Norristown, Pa.
Phillips E. & Sons, South Hanover, Mass
Shelton Tack Co., Shelton, Conn.
Somers Patrick E., 88 King, Worcester, Mass.
Smith David H. & Sons, ft. of 51st, Brooklyn, N. Y. *See adv index at end of book*
Stanley Geo. W. Co., Belleville, Ill.
Tower Mfg. Co., Elm & Commerce, Cincinnati, O.
Townsend Co., New Brighton, Pa.
See adv index at end of book
Van Alen & Co. (Cut), Northumberland, Pa.
Waterman R. C. & Co., So Hanover, Mass.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.
Washburn Co. (Wire Goods Div.), 28 Union, Worcester, Mass.
Youngstown Sheet & Tube Co. (Finishing "Youngstown"), Youngstown, O.

10091a— Nails (Wagon)

American Steel Co. (Hinge), Park bldg, Pittsburgh, Pa.
Smith David H. & Sons, ft. of 51st, Brooklyn, N. Y. *See adv index at end of book*
Townsend Co., New Brighton, Pa.
See adv index at end of book
Wilson Steel Products Co., Dept H, 49th & Western av, Chicago, Ill.

10092— Nails (Wire)

American Steel Co., Park bldg, Pittsburgh, Pa.
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Angell Nail & Chaplet Co., 2657 E. 79th, Cleveland, O.
Atlantic Steel Co., Atlanta, Ga.
Atlas Tack Co. (And Wire Tacks), Fairhaven, Mass.
Badger Mfg. Corp., 156 Clinton, Milwaukee, Wis.
Baker Chas. F. & Co., 42 Lincoln, Boston, Mass.
Belfont Iron Works Co., Ironton, O.
Bethlehem Steel Co., Bethlehem, Pa.
Black Steel & Wire Co., 21st & Manchester av, Kansas City, Mo.
Brower Roy L. Corp., 86 Front, New York
Cedarburg Wire & Wire Nail Co. (Sizes ¼ to 4 in.), Cedarburg, Wis.
Colorado Fuel & Iron Co., Denver, Colo.
Columbia Steel Corp., 351 California, San Francisco, Cal.
Continental Steel & Supply Co. (Cement Coated Common), Fulton bldg, Pittsburgh, Pa.
Corbin Screw Corporation (Steel), New Britain, Conn.
Crawfordsville Wire & Nail Co. (All Sizes), Crawfordsville, Ind.
Eastern Nail Co., Providence, R. I.
Fisher C. W., 52H Broadway, New York
Grammes L. R. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Gulf States Steel Co., Birmingham, Ala.
Gurney D. B. Co. (Sizes up to 20 Penny), Whitman, Mass.
HASSALL JNO. (INC,), Clay & Oakland, Brooklyn, N. Y.
See adv index at end of book
Illinois Nail Co., 826 Dix, Chicago, Ill.
Independent Steel Corp., 19 Moore, New York
Interstate Iron & Steel Co. (All Sizes), 104 S Michigan av, Chicago, Ill.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Jones & Laughlin Steel Co. (Steel), Ross, Pittsburgh, Pa.
Kelly Nail & Iron Co., Ironton, O.
Keystone Steel & Wire Co., Peoria, Ill.
Kokomo Steel & Wire Co., Kokomo, Ind.
LARKIN & CO. J. K. (Sheathing), 253 Broadway, New York
See adv index at end of book

J. K. LARKIN & CO.

253 Broadway
NEW YORK

Malleable Iron Fittings Co. ("M. I. F. Co," Zinc Coated), Branford, Conn.
Milwaukee Tack Co. (Small Only), 27th & Wahl av, Milwaukee, Wis.
National Screw & Mfg. Co., 2440 E 75th, Cleveland, O.
See adv index at end of book
Nichols Wire & Sheet Co., 21st & Baltimore, Kansas City, Mo.
Norton Iron Works, Ashland, Ky.
Parker Wire Goods Co., Worcester, Mass.
Pittsburgh Steel Co. ("Pittsburgh Perfect"), Pittsburgh, Pa.
Plymouth Mills (Small), Plymouth, Mass.
Shelby Wire Co., Dept H, Shelby, O.
Smith David H. & Sons, Inc., foot of 51st, Brooklyn, N. Y.
See adv index at end of book

DAVID H. SMITH & SONS, Inc.

Foot of 51st Street
BROOKLYN, N. Y.

Established 1893

Large and Complete Stocks

Immediate Shipments from Warehouse

Stanley Geo. W. Co. (Small), Belleville, Ill.
Topping Bros., 156 Varick, New York
See adv index at end of book
Townsend Co., New Brighton, Pa.
Veithardt Steel & Metal Corp., 15 Park row, New York
Virginia Steel Supply Co., Inc. (Dirs.), 17th & Dock, Richmond, Va.
Walton & Macke Nail Co. (Cement Coated), Kokomo, Ind.
Washburn Co. (Wire Goods Div.), 28 Union, Worcester, Mass.
Washburn Wire Co., Phillipsdale, R. I.
Waterman R. C. & Co. (Small), South Hanover, Mass.
Wheeling Corrugating Co. ("Wheeling"), Wheeling, W. Va.
Wheeling Steel Corp, Wheeling, W. Va.
Wickwire Bros., Cortland, N. Y.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Wilson Steel Products Co. (Oval & Blued), Dept H, 49th & Western av, Chicago, Ill.
Youngstown Sheet & Tube Co. ("Youngstown"), Youngstown, O.

10093—Nails (Yellow Metal)

Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Midwest Brass & Copper Co., Inc., 480 Broome, New York
Taunton-New Bedford Copper Co., Taunton, Mass.

ETCHED
ENAMELED
EMBOSSED
STAMPED

NAME PLATES

SEND FOR SAMPLES

Regular
and
Special
Finishes

THE CHANDLER CO. - SPRINGFIELD MASSACHUSETTS

10094-5—Nails (Zinc & Zinc Coated)

Angell Nail & Chaplet Co., 2657 E. 79th, Cleveland, O.

LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book

Malleable Iron Fittings Co. ("M. I. F. Co."), Branford, Conn.

10096— Name Plates

(Names with * also manufacture Monel Metal)

Abbott W. H., 46 Greenwich av, New York
Acme Etched Products Co., 459 Brady, Detroit, Mich.
Adams S. G. Stamp & Stationery Co. (Brass & Aluminum), 412 N 6th, St. Louis, Mo.

AMERICAN NAME PLATE MFG. CO. INC., 267 Wyckoff, Brooklyn, N. Y.

Art Metal Construction Co. (Bronze), Jamestown, N. Y.
Barshal Co., 2031 Euclid av, Cleveland, O.
*Beckley Perforating Co., Garwood, N. J.
Becker August Engraving Co. (Cast), 247 Atlantic av, Boston, Mass.
Blake Mfg. Co. (Bicycle, etc), 56 Taylor, Springfield, Mass.
Buckeye Iron & Brass Wks. (Brass), Dayton, O.
California Artistic Metal & Wire Co., 349 7th, San Francisco, Cal.

CHANDLER CO. (THE), Springfield, Mass. *See adv index at end of book*

*Cleveland Wire Cloth Co., Cleveland, O.
Columbus Brass Co. (Brass & Bronze), 620 Dublin av, Columbus, Ohio
See adv index at end of book
Continental Fibre Co. ("Bakelite-Delecto"), Newark, Del.
Corbin Cabinet Lock Co. (Wrought, Brass, etc), New Britain, Conn.
Crowe Name Plate & Engraving Co. (Etched, Stamped & Embossed), 1749 Grace, Chicago, Ill.
Cutlers Pearl Mfg. Co., 55 Commercial, Newark, N. J.
Dent Hardware Co. (Raised or Sunken Letter), Fullerton, Pa.
Detroit Name Plate Etching Co. (In Aluminum, Brass, Copper & Zinc), 684 E Congress, Detroit, Mich.
Dickey Grabler Works of the Bankers Savings & Credit System Co., W. Madison & 103rd, Cleveland, O.
Dow Co., 201H N Buchanon, Louisville, Ky.
Electro Chemical Engraving Co. (Inc.) (Etched), 450 19th, Brooklyn, N. Y.
Etching Company of America (Etched Brass & Aluminum), 1520H Montana, Chicago, Ill.
Everett A. & Son, Auburn, N. Y.
G. & V. Engraving Co., Wollaston, Mass.
General Etching & Mfg. Co., 312 S Hamilton av, Chicago, Ill.

GRAMMES L. R. & SONS, 311 Union, Allentown, Pa.
See adv index at end of book

GRAMMES
EST. 1875
NAME PLATES
"57" varieties of metals and finishes from the tiny plates on electric irons to the heavy machinery plate. Also makers of distinctive Signs and Tablets.
L. F. GRAMMES & SONS, INC.
365 Union Street Allentown, Pa.

HANSON C. H. CO., THE, 178 N. Clark, Chicago, Ill.

*Hendrick Mfg. Co., Carbondale, Pa.
Highton Wm. & Sons Co. (Automobile, etc), Nashua, N. H.
*Howard & Morse, 1197 DeKalb av, Brooklyn, N. Y.

IMPERIAL BRASS MFG. CO., 1200 W Harrison, Chicago, Ill.

INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book

Jelliff Mfg. Corp. C. O., Southport, Conn.
Kautz Fred C. & Co., 2633 W Lake, Chicago, Ill.
Kennedy Name Plate Co., 763 E 9th, Los Angeles, Cal.
Knight H. W. & Son, Seneca Falls, N. Y.
Kokomo Fence Machine Co. (Aluminum Only), Kokomo, Ind.
Konigslow E. Stamping & Tool Works, Cleveland, O.
Lee Bros. Foundry Co., Dept. H, Anniston, Ala.
Limerick J. Arthur Co., 960 N Howard, Baltimore, Md.
Los Angeles Rubber Stamp Co., 15th & S Los Angeles, Los Angeles, Cal.
*Magosy & Buscher, 232 Canal, New York
Matthews Jas. H. & Co. (Cast Bronze, Etched, Stamped & Enameled Iron), 3942 Forbes, Pittsburgh, Pa.
See adv index at end of book
Mayer Geo. J. & Co., 36 S. Meridian, Indianapolis, Ind.
Metallograph Corp., 1100 Brook av, New York
Meyer & Wenthe, 30 S Jefferson, Chicago, Ill.
Moise-Klinkner Co., 369 Market, San Francisco, Cal.
Mulhaupt F. Jos., Lafayette, Ind.
*Munning & Co. Q. P., Matawan, N. J.
Murdock W. Jas. Co., 116 Opera pl, Cincinnati, O.
Name Plate Co. (Etched Metal), 125H Fulton, New York
Napier-Browning Co. (Celluloid), 105 W 40th, New York
Newman Mfg. Co., 420 Elm, Cincinnati, O.
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Norwalk Lock Co., South Norwalk, Conn.
Pacific Rubber Stamp Co., 112 E 4th, Los Angeles, Cal.
Palm Bros. Decalcomania Co. (The), 3729 Spencer av, Cincinnati, Ohio
Pittsburgh Stamp Co., Inc., 817H Canal, Pittsburgh, Pa.
Premier Metal Etching Co., 14th, Long Island City, N. Y.
R. & S. Engraving & Die Works, 617-631 W Jackson blvd, Chicago, Ill.
See adv index at end of book
Reading Hardware Co., Reading, Pa.
Reed & Skeppstrom, 625 W Jackson blvd, Chicago
See adv index at end of book
Riley-Klotz Co., Mulberry, Newark, N. J.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Schmutz Mfg. Co., Inc., 17th & Walnut, Louisville, Ky.
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co. John P., New Haven, Conn.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Spencer S. M. Mfg. Co. 9 Cornhill, Boston, Mass.
Springfield Aluminum Plate & Castings Co. (Automobile), Springfield, Ohio
Stanley Mfg. Co., 46 Cannon, Dayton, Ohio.
*Steel Products Mfg. Co., Cicero, Ill.
Stimpson Edwin B. Co. (For Dog Collars, etc.), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
*Taylor Disc Co., Mansfield, O.
Torrey Roller Busning Works, Bath, Me.
Turner Brass Works (Brass, Bronze & Aluminum), Sycamore, Ill.
TYLER W. S. CO., Cleveland, O.
See adv index at end of book
Wadsworth Engraving Co., Springfield, O.
Western Brass Mfg. Works (In Different Names), Marshall blvd & W 21st, Chicago, Ill.
Withers Foundry & Machine Works, Atlanta, Ga.
Wolverine Brass Works, Grand Rapids, Mich.
Wood-Detroit Mfg. Co. (Bronze), Marquette bldg, Detroit, Mich.
Wright Greg. G. & Son, 119 Opera pl, Cincinnati, O.

10097—Name Plates (Cement Sidewalk)

Hanson C. H. Co., 178 N Clark, Chicago, Ill.
Knight H. W. & Son, Seneca Falls, N. Y.
Matthews Jas. H. & Co. (Brass), Pittsburgh, Pa.
Pittsburgh Stamp Co. Inc., 817H Canal, Pittsburgh, Pa.
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.

10097a—Name Plates (Decalcomania)

COMMERFORD CO, THE, 106 E 19th, New York
See adv index at end of book

QUICK DELIVERY—LOW PRICES
DECALCOMANIA
Guaranteed Quality
TRANSFER PRODUCTS FOR EVERY LINE OF BUSINESS
Self Affixing Name Plates, Signs, Etc.
THE COMMERFORD CO.
102 East 19th Street NEW YORK

DECALCO LITHO CO., INC., 615-617H Newark, Hoboken, N. J.
See adv index at end of book

NATIONAL DECALCOMANIA CO., 252 N 60th, Philadelphia, Pa.
See adv index at end of book

10097b—Name Plates (Radio)

CARTER RADIO CO., 209 S State, Chicago

10098—Name Plates (Telephone)

Electro Chemical Engraving Co. (Inc.) (Etched), 450 19th, Brooklyn, N. Y.
Shonk Chas. W. Co., Maywood, Ill.

10099—Naphtha (Coal Tar)

Barrett Co., 40 Rector, New York
Protexol Corp., 41 Barclay, New York
See adv index at end of book

10100— Naphtha Gas

Sun Co., Finance bldg, Philadelphia, Pa.

10101— Naphtha Refiners

Atlantic Refining Co., 3144 Passyunk av, Philadelphia, Pa.
Bethlehem Steel Co. (Light & Crude, Heavy Solvent), Bethlehem, Pa.

Cameron Refining Co., Ardmore, Okla.
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Clarendon Refining Co., Clarendon, Pa.
Cornplanter Refining Division, Warren, Pa.
Craig Oil Co., Toledo, Ohio
Emery Mfg. Co., Bradford, Pa.
Empire Oil Works, Oil City, Pa.
Great Western Oil Co., 2346 E 37th, Cleveland, O.
Gulf Refining Co. (Engines, Painters, etc), Frick bldg, annex, Pittsburgh, Pa.
Indian Refining Co., 244 Madison av, New York
Louisiana Oil Refining Co., Shreveport, La.
Miller's A. D. Sons Co., Columbus & Preble, Pittsburgh, Pa.
Mutual Refining Co. (Ltd.), Warren, Pa.
National Refining Co., Rose bldg, Cleveland, O.
Ohio Cities Gas Co., Columbus, O.
Paragon Refining Co., Toledo, O.
Penn American Refining Co., Oil City, Pa.
Pennsylvania Paraffine Works, Titusville, Pa.
Pennsylvania Refining Co., Karns City, Pa.
Pure Oil Co., Lafayette bldg, Phila., Pa.
Sloan & Zook, Bradford, Pa.
Standard Oil Co., 225 Bush, San Francisco, Cal.
Standard Oil Co. of N. J., 26 B'way, New York
Standard Oil Co. of N. Y. ("Socony"), 555 W 25th, New York
Sun Co. (56 Gravity Deodorized), Finance bldg, Phila., Pa.
Sunlight Oil & Gasoline Co., 49th & Gray's av, Phila., Pa.
Texas Company (The), Dept. D, 17 Battery pl, New York
See adv index at end of book
Union Petroleum Co., Widener bldg, Philadelphia, Pa.
Warren Refining Co., Warren, Pa.
Waverly Oil Works Co., 54th & A V R R, Pittsburgh, Pa.

10102— Naphtha (Solvent)

Barrett Co., 40 Rector, New York
Brewer & Co., (Solvor for Dirt on Textiles), 231 Commercial, Worcester, Mass.
Emery Mfg. Co., 43 Main, Bradford, Pa
JORDAN COAL TAR PRODUCTS CO. INC. (Coal Tar), 15 Cliff, New York
Koppers Products Co., 800 Union Arcade, Pittsburgh, Pa.
Semet-Solvay Co., Syracuse, N. Y.
United Gas Improvement Co., Broad & Arch, Phila., Pa.
Western Aniline Products Co., Hammond, Ind.

10103— Naphthalene

Agawam Chemical Works, (Dinitro), Grosvenor bldg, Providence, R. I.
American Tar Products Co. (Crude, Refined & Flaked), 208 S. La Salle, Chicago, Ill.
Barrett Co. (Refined & Crude), 40 Rector, New York
Bethlehem Steel Co. (Crude from Stills & Coolers), Bethlehem, Pa.
Briggs Chemical Works (Flake), Amherst, Ohio
Dana & Co., Inc., 111 B'way, New York
Fergusson Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Innis Speiden & Co., Inc., 46 Cliff, New York
JORDAN COAL TAR PRODUCTS CO. INC. (Crude & Refined), 15 Cliff, New York
Koppers Products Co., 800 Union Arcade, Pittsburgh, Pa.
Lewis F. J. Mfg. Co., Moline, Ill.
Protexol Corp., 41 Barclay, New York
See adv index at end of book
RIDDLE CHEMICAL CO. (Balls; Flake), 35 S Dearborn, Chicago, Ill.
See adv index at end of book
Roessler & Hasslacher Chemical Co. (Flake, Ball & Crystal), 709 6th av, New York
See adv index at end of book
Semet-Solvay Co. (Solvent), Syracuse, N. Y
Sergeant E. M. Co., 131 Cedar, New York
United Gas Improvement Co., No. Broad & Arch, Philadelphia, Pa.
White Tar Co., 21 Cliff, New York
White Tar Co. of N. J., Inc., 56 Vesey, New York

10104— Naphthol (Alpha)

Briggs Chemical Works, Amherst, O.
Central Dyestuff & Chemical Co., Newark, N. J.
Harmer Laboratories Co., 2 S 21st, Philadelphia, Pa.
Hord Color Products Co., Sandusky, O.
Hunnell & Co., Inc., 135 Liberty, New York

10105— Naphthol (Manufacturers & Importers)

Fergusson Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Montcalm Chemical Wks. (Beta), 220 No. Illinois, Indianapolis, Ind.
Sykes W. F. & Co., 3 Lispenard, New York

10105a—Naphthyl (Beta, Benzoate)

Ciba Co. Inc., 134 Cedar, New York
Florasynth Laboratories Inc., Olmstead & Starlingars, New York
Merck & Co., 45 Park pl, New York
Seydel Mfg. Co., 3 Forrest, Jersey City, N. J.

10105b— Naphthylamine (Beta)

National Aniline & Chemical Co., Inc., 40 Rector, New York
Montcalm Chemical Wks., 220 No. Illinois, Indianapolis, Ind.
Po Ambo Chemical Co., Matawan, N. J.

10105c— Naval Stores

Hercules Powder Co. (Naval Stores Div.), Wilmington, Del.
Industrial Chemical Co., 1414 Fifth Ave bldg, New York
See adv index at end of book
North Carolina Naval Stores Co., Wilmington, N. C.
Swett C. T. Co., Portland, Maine

10106— Nebulizers

Globe Mfg. Co., Battle Creek, Mich.
Whitall, Tatum Co., 410 Race, Phila., Pa.

10107— Neck Yokes

Adams E. B. & Son ("Adams" Safety), Racine, Wis.
Avery B. F. & Sons, Louisville, Ky.
Baltimore Hub-Wheel & Mfg. Co., Fallsway & Gy., Baltimore, Md.
Buckeye Handle, Gear & Bending Co., Alliance, O.
Burroughs-Ross-Colville Co., McMinnville, Tenn.
Campbell & Dann Mfg. Co., Tullahoma, Tenn.
Canfield Mfg. & Novelty Co., Canfield, O.
Columbiana Mfg. Co., Columbiana, O.
Covert Saddlery Works, Interlaken, N. Y.
Crane & MacMahon, Inc., St. Marys, Ohio
Crook Son & Co., Hicksville, O.
Fort Smith Rim & Bow Co., Fort Smith, Ark.
Graham Thos. & Co., Madison, Ind.
Hartwell C. L. & Co., Chicago Heights, Ill.
Harvey Spring & Forging Co. (Wagon & Plow), Racine, Wis.
Heider Mfg. Co., Carroll, Ia.
Heiser J. B., Atwater, O.
Herschel R. Mfg. Co., Peoria, Ill.
Imperial Bit & Snap Co., Racine, Wis.
Keller & Tamm Mfg. Co., Victor & Levee, St. Louis, Mo.
Lack Singletree Co., Paducah, Ky.
Lamb-Fish Lumber Co., Charleston, Miss
Lobzelter P. & Son Co., Lancaster, Pa.
Leonard F. B. & Co., Metropolis, Ill.
Lindsay Mfg. Co., Ottumwa, Ia.
Medina Bending Works, Medina, O.
Metropolis Bending Co., Metropolis, Ill.
Nixdorff, Krein Mfg. Co., 900 Howard, St. Louis, Mo.
Peterson Samuel, Warren, Pa.
Phipps J. H. Lumber Co., Fayetteville, Ark.
Prouty C. & Co. ("Jocky"), Eldred, Pa.
Racine General Mfg. Co. (Wagon Jobbers), Racine, Wis.
Racine Malleable & Wrought Iron Co., Racine, Wis.
Ransome Concrete Machinery Co., Dunellen, N. J.
Sequatchie Handle Works, Sequatchie, Tenn.
Sharon Steel Hoop Co. ("Danielson" Pressed Steel), Finance bldg, Sharon, Pa.
Sheldon Handle Co., Kinzua, Pa.
Shrauger & Johnson, Atlantic, Ia.
Shupp Homer A., Effort, Pa.
Sieg Co., Davenport, Ia.
Spencer Mfg. Co., Spencer, Ind.
Stevens A. E. & Co., 17 Union, Portland, Me.
Tanner D. F., Holland, N. Y.
Titusville Handle Co., Titusville, Pa.
Towers & Sullivan Mfg. Co., Rome, Ga.
Turnbull Motor Truck & Wagon Co. (Hickory Wagons Sets), Defiance, O.
Turner, Day & Woolworth Handle Co., Louisville, Ky.
Union Bending Works, Collins, O.
United States Pressed Steel Co. (Pressed Steel), Ypsilanti, Mich.
Vehicle Supply Co., Cairo, Ill.
Von Behren Mfg. Co., Evansvile, Ind.
Westwood Turning Co., Fremont, O.
Youngstown Pressed Steel Co., Warren, O.
See adv index at end of book

Needle Mfrs.

See also Needles, Various Kinds, under head of Textile Machinery, Supplies, etc.

10108—Needles (Bag or Sack)

Barr Bros. Co. (Hand Made), Oakland Cal.
Berbecker & Rowland Mfg. Co., Waterville, Conn.
Goodchild Tool Co. (Hand Made), Eugene, Ore.
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Werthan Bag Co., 12th & Clinton, Nashville, Tenn.

10108a—Needles (Belt Lacing Machine)

Simmons Mfg. Co., 77th & Lyons av, Philadelphia, Pa.

10109— Needles (Broom)

Berbecker & Rowland Mfg. Co., Waterville, Conn.
Hyde Mfg. Co., Southbridge, Mass.

10110— Needles (Carpet)

Barr Bros Co., Oakland, Cal.
Berbecker & Rowland Mfg. Co., Waterville, Conn.
United States Needle Concern, 912 W Madison, Chicago, Ill.

10111-2— Needles (Darning)

Berbecker & Rowland Mfg. Co., Waterville, Conn.
United States Needle Concern, 912 W Madison, Chicago, Ill.

10113—Needles (Harness)

Berbecker & Rowland Mfg. Co., Waterville, Conn.
United States Needle Concern, 912 W Madison, Chicago, Ill.

10114—Needles (Hypodermic, Dental, Etc.)

Banks F. S. & Co., 78 Reade, New York
Becton Dickinson & Co. ("Yale" Hypodermic), Rutherford, N. J.
National Thermometer Co., 125 E 23d, New York
Randall-Faichney Co. ("R. & B." "Climax." "Imperial"), Boston, Mass.
Tagliabue Chas. J. Mfg. Co., 18 33rd, Brooklyn, N. Y.
Weinhagen & Hespe, 159 Leonard, New York

10114a—Needles (Knitting, Wooden)

Bernheimer & Blumenthal Co., Inc. (Wood, Ivory, Silver & Gold), 138 W 14th, New York
Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 864 5th av, New York
See adv index at end of book

Needles (Mining)

See Miners' Needles & Scrapers

10115— Needles (Packing)

Berbecker & Rowland Mfg. Co., Waterville, Conn.
United States Needle Concern, 912 W Madison, Chicago, Ill.

Needles (Phonograph)

See Needles, Talking Machines

Needles (Sewing Machine)

For page of this trade see index of contents

10116—Needles (Talking Machine)

Bagshaw W. K. Co., H, Warren, Lowell, Mass.
Dean Jno. M. Corp., Putnam, Conn.
General Phonograph Corp., 25 W 45th, New York
Hall Mfg. Co. ("Hall" Fibre Needles), 33 W. Kinzie, Chicago, Ill.
Torrington Co. (The), Excelsior Plant, Torrington, Conn.
See adv index at end of book
United Music Stores ("Brilliantone"), 619H Cherry, Phila., Pa.
Victor Talking Machine Co., Camden, N. J.
Willat Production Co. ("Everplay"), 121 Howard, San Francisco, Cal.

10117—Needles (Upholsterers')

Barr Bros. Co., Oakland, Cal.
Berbecker & Rowland Mfg. Co., Waterville, Conn.
Bridgeport Coach Lace Co. ("Bridgeport" Dealers), 813H Wood av, Bridgeport, Conn.
United States Needle Concern, 912 W Madison, Chicago, Ill.

(Continued on following page)

10118— Neoarsaminol

Takamine Commercial Corp., 120 B'way, New York

Neon

See Gas (Neon)

Nets (Arc Globe)

See Guards, Electric Lamp

10118a— Nests

Cordley & Hayes, 32 Leonard, New York
See adv index at end of book
Hoeft & Co., 400 N Ashland av, Chicago, Ill.
Milwaukee Corrugating Co. ("Milcor"), 36th av & Burnham, Milwaukee, Wis.

10119—Nets (Fish Landing)

St. Charles Net & Hammock Co., St. Charles, Ill.
Young Carlos G. ("Barnes" Folding), 810 Market, San Francisco, Cal.

10119a—Nets (Gelatine & Glue)

INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
New Jersey Wire Cloth Co., Trenton, N. J.

10120— Nets (Life Saving)

Combination Ladder Co. ("Manhattan"), 381 Fountain, Providence, R. I.
Cory-Patterson Mfg. Co. ("Browder"), Greeenfield, O.
Hayward S. F. & Co. ("Hayward," "Atlas," "Bonner," "Empire"), 250 W 54th, New York
Hunter Malcolm, 32 Dutchkill
Woodhouse Mfg. Co., 64 W B'way, New York

10121— Netting (Mosquito)

Adams Mfg. Co., Shelton, Conn.
510 B'way, New York
Gage John S. (Head Nets for Mosquitoes), 510 B'way, New York
Leather Geo. E., 1301 Unity, Philadelphia, Pa.
Lindley Mfg. Co., Ontario & D, Philadelphia, Pa.
McLean Andrew Co., Passaic, N. J.
North Scituate Cotton Mills, N. Scituate, R. I.
Palmer I. E. Co. (Canopies), Middletown, Conn.
Thompson Jas. & Co., 112 Prince, New York
Westerly Textile Co., Westerly, R. I.

10121a— Netting (Wire)

(Names with * also manufacture Monel Metal)
Amalgamated Metals Selling Co., Ltd., 42 B'way, New York
*Beckley Perforating Co., Garwood, N. J.
California Wire Cloth Co., 1001H 32d av, Oakland Cal.
*Cleveland Wire Cloth Co., Cleveland, O.
Edwards E. H. Co. (for Fish Traps), South San Francisco, Cal.
*Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 DeKalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp. C. O., Southport, Conn.
Ludlow-Saylor Wire Co., 600-640 S Newstead av, St. Louis, Mo.
See adv index at end of book
*Magosy & Buscher, 232 Canal, New York
MICHIGAN WIRE CLOTH CO., 2100 Howard, Detroit, Mich.
See adv index at end of book
*Munning & Co. A. P., Matawan, N. J.
NEW JERSEY WIRE CLOTH CO. ("Jersey"), Trenton, N. J.
See adv index at end of book
Reinforced Concrete Co., St. Louis, Mo.
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co. John P., New Haven, Conn.
Smith T. S., 269 Pearl, New York
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co. W. S., Cleveland, O.
See adv index at end of book

10122—Neutralizer (Electric)

Chapman Electric Neutralizer Co. ("Chapman," to Remove Static Electricity) Portland, Me.
Portland Co. ("Chapman" Process), Portland, Me.
United Printing Machinery Co. ("Chapman," Sole U. S. Selling Agents), 87 Broad, Boston, Mass.

10123— Nickel (Aluminized)

New Era Mfg. Co., Kalamazoo, Mich.

10123a—Nickel Ammonium Sulphate

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

10123b— Nickel Bromide

Cooper Chas. & Co., 194 Worth, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

10123c— Nickel Carbonate

Drakenfeld B. F. & Co., Inc., 50 Murray, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

10124— Nickel Chloride

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Munning A. P. & Co., Mattawan, N. J.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

10125— Nickel (Electrolytic)

American Smelting & Refining Co., 120 B'way, New York
International Nickel Co. ("Inco"), 67 Wall, New York

10125a— Nickel Formate

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Klipstein A. & Co., 644 Greenwich, New York
Victor Chemical Co., Fisher bldg, Chicago, Ill.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

10126— Nickel Mfrs.

American Boron Products Co., Inc. (Boronic in Shot Form), Reading, Pa.
American Nickel Corp. ("American"), Clearfield, Pa.
Andrews Steel Co. (Chrome), Newport, Ky.
AUTOSCREW CO. (Machine work of every description on Nickel Parts), 855 W Broadway, New York
See adv index at end of book
Belmont Smelting & Refining Works, Inc. (Belmont Brand—any formula), 828 Belmont av, Brooklyn, N. Y.
See adv index at end of book
Brooks Clyde (Mfrs. Agent), Farmers Bank bldg, Pittsburgh, Pa.
Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
Driver-Harris Co. (Rod Sheet, Strip & Wire), Harrison, N. J.
See adv index at end of book
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
International Nickel Co. ("Inco"), 67 Wall, New York
Trotter Nathan & Co., 35 N. Front, Phila., Pa.
United Smelting & Aluminum Co., Inc. (Jobbers), 183-189 Commerce, New Haven, Conn.
United States Nickel Co. (Cube Nickel), New Brunswick, N. J.

10126a— Nickel Nitrate

Cooper Chas. & Co., 194H Worth, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

10126b— Nickel Oxide

Barker Bros., Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
DRAKENFELD B. F. & CO., INC. (Black, Green, Gray), 50 Murray, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Roessler & Hasslacher Chem. Co., 709 6th av, New York
See adv index at end of book
Vitro Mfg. Co. (Green & Black), H Bessemer bldg, Pittsburgh, Pa.
U. S. Nickel Co., New Brunswick, N. J.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

Nickel Salts (Double)

See Nickel Sulphate

Nickel Salts (Single)

See Nickel Sulphate

10126c— *Nickel Silver (Patent Leveled)

AMERICAN BRASS CO. ("Anaconda"), Waterbury, Conn.
For branch offices see adv index at end of book
Benson Rolling Mills Inc., Glen Ridge, N. J.
CONKLIN BRASS & COPPER CO., 54-60 Lafayette, New York
See adv index at end of book
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Seymour Mfg. Co. (For Soda Fountains, etc), Seymour, Conn.

10127— Nickel Sulphate

Barker Bros., Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
Cooper & Cooper Inc., 23H Cliff, New York
DRAKENFELD B. F. & CO., INC. (Single & Double), 50 Murray, New York
Fergusson Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
HARSHAW FULLER & GOODWIN CO., 545 Hanna bldg, Cleveland
See adv index at end of book
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Munning A. P. & Co. (Single & Double), Mattawan, N. J.
Philipp Bros., Inc., 233 Broadway, New York
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
U. S. Nickel Co., New Brunswick, N. J.
United States Metals Refining Co., 61 B'way, New York
WIARDA JOHN C. & CO. (Single Salts), 83 Provost, Brooklyn, N. Y.
See adv index at end of book

10127a— Nickel Zirconium

ELECTRO METALLURGICAL SALES CORP., Carbide & Carbon bldg, New York

10128—Nickeloid, Copperoid, Brassoid & Steeloid

American Nickeloid Co. (Nickelized Sheet Steel, Zinc, Copper, Brass, etc). Peru, Ill.

10129—Nicolene, Copperene, Brassene, Nickeltin, Brasstin & Coppertin

National Sheet Metal Co. (Nickelized Sheet Zinc, Tin Plate, Steel, Copper, Brass, etc), Peru, Ill.

10129a—Nicolene (Nickel Plated Zinc Sheets)

National Sheet Metal Co., Peru, Ill.

10130—Nicotine Solutions & Tobacco Extracts

Jacobs Chas. W. & Allison, 18 Cedar, New York
Kentucky Tobacco Product Co., Louisville, Ky.
Nicotine Production Corp., Clarksville, Tenn.

10130a—Niggers (Steam, Saw Mill)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.

10131— Nigrosine

American Synthetic Color Co., Stamford, Conn.
Fergusson Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Heller & Merz Co., 505 Hudson, New York
Jamaica Dyewood & Chemical Co., 59 Church, New York
Marden, Orth & Hastings Co., 136 Liberty, New York
National Aniline & Chemical Co., Inc., 40 Rector, New York

10132— Nippers (Bicycle)

Starrett L. S. Co. (Adjustable Jaw), Athol, Mass.
Utica Drop Forge & Tool Co., Utica, N. Y.

10133—Nippers (Blacksmiths')

Buffum Tool Co. ("Swastika" Hoof Paring, Nail Cutting etc), South Side, Louisiana, Mo.
Champion Tool Co., Meadville, Pa.

Heller Bros. Co., 870 Mt. Prospect av, Newark, N. J.
Smith H. D. & Co. ("W. D. W.", Drop Forged), Plantsville, Conn.
Starr-Nettleton Mfg. Co, East Hampton, Conn
Vaughan & Bushnell Mfg. Co., 2114 Carroll av, Chicago, Ill.
Washington Tool Co. ("Larsons"), Owatonna, Minn.

10134—Nippers (Champagne)

Osborne C. S. & Co., Box 183, Newark, N. J. *See adv index at end of book*

10135—Nippers (End Cutting)

See also Pliers

Bridgeport Hardware Mfg. Corp. ("Hercules"), 461 Irving av, Bridgeport, Conn.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Champion Tool Co. ("Champion"), Meadville, Pa.
Cronk & Carrier Mfg. Co., 150 Lake, Elmira, N. Y.
Dixon Wm. (Imp.), 119 Fulton, New York
Hotchkiss T. D. Co. ("Todd"), Deep River, Conn.
Irvington Mfg. Co., Irvington, N. J.
Jones Eli & Sons ("Jones" Hoof), Luverne, Minn
Lowentraut P. Mfg. Co., 86 Brenner, Newark, N. J.
OSBORNE C. S. & CO., Box 183, Newark, N. J. *See adv index at end of book*
Peck, Stow & Wilcox Co., Southington, Conn.
Scholhorn Wm. Co. ("Bernard"), 414 Chapel, New Haven, Conn.
Smith Otis A. (End Cutting), Rockfall, Conn.
SMITH & HEMENWAY CO., INC. ("Red Devil"), 261 B'way, New York; 180 Coit, Irvington, N. J. *See adv index at end of book*
Starr Bros. Bell Co. ("Nettleton" Reversible), East Hampton, Conn.
Starrett L. S. Co. (Adjustable Jaw), Athol, Mass.
Utica Drop Forge & Tool Co. ("Bull Dog," "Utica"), Utica, N. Y.
Williams A. C. Co., Ravenna, O.

10136-7— Nippers (Fruit)

Kraeuter & Co., 583 13th av, Newark, N. J.

Nippers (Hoof)

See Parers, Hoof

10138—Nippers (Tinners', Etc.)

See also Nippers, End Cutting

Hotchkiss T. D. Co. ("Todd's"), Deep River, Conn.
Osborne C. S. & Co., Box 183 Newark, N. J. *See adv index at end of book*
Smith Otis A., Rockfall, Conn.
SMITH & HEMENWAY CO., INC., 261 B'way, New York; 180 Coit, Irvington, N. J. *See adv index at end of book*
Starr-Nettleton Mfg. Co., East Hampton, Conn.
Wusterbarth Bros., Meriden, Conn.

10139— Nippers (Trout)

Marble Arms & Mfg. Co. ("Marble's"), Gladstone, Mich.

Nippers (Wire)

See Pliers & Nippers

10140—Nipple Threaders (Ceiling)

Armstrong Mfg. Co. ("Armstrong"), 378 Knowlton, Bridgeport, Conn.

10141— Nipples (Gun)

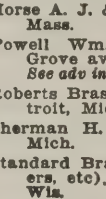
Schoverling, Daly & Gales (Dealer), 302 B'way, New York

10142-3— Nipples (Hose)

Acheson Mfg. Co., Rankin, Pa. *See adv index at end of book*
Allen Fire Dept. Supply Co., 159 Abora, Providence, R. I.
American Brass & Copper Co., 133 Lafayette, New York
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Safety Lamp & Mine Supply Co., 1327 Capouse av, Scranton, Pa.
Boston Woven Hose & Rubber Co., Cambridge, Mass.
Combustion Utilities Corp., 8-10 Bridge, New York
Crane Co., 836 S. Michigan av, Chicago, Ill. *See adv index at end of book*
Dallett Thos. H. Co. ("Dallett" Pneumatic), 1324 Federal, Phila., Pa.
Dayton Malleable Iron Co. (Air Brake), Dayton, O.
Detroit Brass & Malleable Works (Gas), 1117 Holder, Detroit, Mich.
Elkhart Brass Mfg. Co., Elkhart, Ind.
Exeter Brass Works, Exeter, N. H.
Goodall Rubber Co., 11th & Arch, Phila., Pa.
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
Haydenville Co., Haydenville, Mass.
Hayward S. F. & Co., 250 W 54th, New York
Howell F. R. Brass Works, 122 N Franklin, Phila., Pa.
Jiffy Fire Hose Rack Co., 133 W 52nd, New York
Josts' Edmunds Sons, 58 1st, Newark, N. J.
Knox Mfg. Co. (Pneumatic Hose), 321 Cherry, Philadelphia, Pa.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
McNab & Harlin Mfg. Co., Patterson, N. J.
McRae & Roberts Co., 227 Campbell av, Detroit, Mich.
McShane Bell Foundry Co., Harford av & B. & O. R. R., Baltimore, Md.
Medina Stamping & Mach. Co., Medina, N. Y.
Morse A. J. & Son, Inc., 221 High, Boston, Mass.
Powell Wm. Co. (Brass), 2525 Spring Grove av, Cincinnati, O. *See adv index at end of book*
Roberts Brass Mfg. Co., 1395 W Fort, Detroit, Mich.
Sherman H. B. Mfg. Co., Battle Creek, Mich.
Standard Brass & Iron Works (for Brewers, etc), 1820 St. Paul av, Milwaukee, Wis.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York *See adv index at end of book*
Union Brass & Metal Mfg. Co., Lawson & Mackubin, St. Paul, Minn.
Walworth Mfg. Co., Boston, Mass.
Wolverine Brass Works, Grand Rapids, Mich.

10144— Nipples (Pipe)

ACHESON MFG. CO. (Brass), Rankin, Pa. *See adv index at end of book*
ALLEN W. D. MFG. CO., 201-211 Jefferson, Chicago, Ill. *See adv index at end of book*


W. D. ALLEN MFG. CO.
Manufacturers of
PIPE NIPPLES
Address Inquiries Dept. R.
201 - 211 North Jefferson Street
CHICAGO

Buffalo Mill Supply Co. Consolidated Inc., 212 Main, Buffalo, N. Y.
Buffalo Nipple & Machine Co., Inc., 835 Glenwood av, Buffalo, N. Y.
BYERS A. M. CO. (Genuine Wrought Iron), 235 Water, Pittsburgh, Pa. *See adv index at end of book*
Campbell Lewis, Boyerstown, Pa.
Chicago Nipple Mfg. Co. (Wrought Iron), 908 W Lake, Chicago, Ill.
Clark Co., West Newton, Pa.
Crane Co., 836 S. Michigan av, Chicago, Ill. *See adv index at end of book*
CRESSMAN N. C. CO. (Brass, Steel & Iron), 111 S 5th, Phila., Pa.
EVERITT CO., 267 Franklin, Boston, Mass. *See adv index at end of book*
Fretz S. S. Jr., 23rd & Sedgley av, Philadelphia, Pa.
Gray Edmund A. Co., Inc., 2277 E 15th, Los Angeles, Cal.
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
Haverty Thomas Co., E 8th & Maple, Los Angeles, Cal.
Illinois Malleable Iron Co., (& Tank), 1801 Diversey blvd, Chicago, Ill. *See adv index at end of book*
Iroquois Nipple Works (Iron), 306 Genesee, Buffalo, N. Y.
Kelly & Jones Co. (Wrought Iron, Brass, etc), 125 Water, Pittsburgh, Pa.
Larkin J. K. & Co., 253 B'way, New York *See adv index at end of book*
Liberty Iron Pipe & Nipple Works, 62 Gruen, New York
Los Angeles Valve & Fittings Co. (Oil Well Casing), 2741 Compton, Los Angeles, Cal.
LUNKENHEIMER CO. (Brass), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McMann & Taylor Co., 104 John, New York *See adv index at end of book*
McNab & Harlin Mfg. Co., Paterson, N. J.
Morse A. J. & Son, Inc., 221 High, Boston, Mass.
Newark Tube & Metal Works (Small Sizes), 560 Ferry, Newark, N. J.
Pfaff & Kendall (Wrought Iron), 656 Ferry, Newark, N. J.
Pittsburgh Nipple & Mfg. Co., 30 Carson, Pittsburgh, Pa.
Powell Wm. Co. (Brass), 2525 Spring Grove av, Cincinnati, O. *See adv index at end of book*
Reading Iron Co., Baer bldg, Reading, Pa.
Rex-Harris Fire Appliance Co. (Brass), 310 W 39th, New York
Richardson Edro Brass Co. (Brass), 318 N Holliday, Baltimore, Md.
Schaad Paul (Brass, Copper & Iron), 179 Pearl, New York
Seiss Mfg. Co., Toledo, O.
Twin City Steel Mfg. Co., 2652H 39th av, S. Minneapolis, Minn.
Walworth Mfg. Co. ("Wrought Iron"), 82M Pearl, Boston, Mass.
Wilder Sidney & Co. (Brass), Hellaston, Mass.

10145—Nipples (Radiator)

Crane Co., 836 S. Michigan av, Chicago, Ill. *See adv index at end of book*
Everitt Co., 267 Franklin, Boston, Mass. *See adv index at end of book*
Flagg Stanley G. & Co., 1421 Chestnut, Phila., Pa.
Morse A. J. & Son, Inc., 221 High, Boston, Mass.
National Malleable Castings Co., 7706 Platt, S E, Cleveland, O.
National Radiator Co. (Non-Corrosive Malleable Iron Push), Johnstown, Pa.

10146— Nipples (Reducing)

Kelly & Jones Co., Greensburg, Pa. *See adv index at end of book*
Simmons Pipe Bending Works, 40 Mechanic, Newark, N. J.
Wolverine Brass Works, Grand Rapids, Mich.

10146a— Nipples (Spoke)

National Screw & Mfg. Co., The, 2440 E 75th, Cleveland, O. *See adv index at end of book*

10146b— *Nipples (Swage)

HARRISBURG PIPE & PIPE BENDING CO. Herr nr 10th, Harrisburg, Pa.

Nipples (Soldering)

See Unions & Nipples, Soldering

10147—Nipples (Zinc Coated, Steel Slip)

10148-52— Nitrate

Grace Wm. R. & Co., 7 Hanover sq, New York
Merrimac Chemical Co. (Iron & Copper), 148 State, Boston, Mass.
Seidner & Enequist (Iron), 36 Hausman, Brooklyn, N. Y.
Tennant C. Sons & Co. of New York (Imp.) (Ammonia & Lead, etc), 19 W 44th, New York
Wiarda John C. & Co. (Potash, Silver, Soda, etc., Jobbers), 82 Provost, Brooklyn, N. Y. *See adv index at end of book*

Nitrate of Aluminum

See Aluminum Nitrate

Nitrate of Copper

See Copper Nitrate

Nitrate of Iron

See Iron Nitrate

Nitrate of Lead

See Lead Nitrate

Nitrate of Nickel

See Nickel Nitrate

10153-4—Nitrate of Potassium (Saltpetre)

See also Saltpetre

Ashcraft Wilkinson Co., Atlanta, Ga.
Fergusson Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O. *See adv index at end of book*

(Continued on following page)

Nitrate of Silver—Continued

Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.

Stauffer Chemical Co. ("Rex"), 624 California

Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

Nitrate of Silver

See Silver Nitrate

10155-6— Nitrate of Soda

American Agricultural Chemical Co. (Imp.), 2 Rector, New York

Armour Fertilizer Works, 111 W Jackson, Chicago, Ill.

Ashcraft-Wilkinson Co., Atlanta, Ga.

Baker H. J. & Bro. (Imp.), 31 Fulton, New York

Balfour Guthrie & Co. (Imp.), 350 California, San Francisco, Cal.

Battelle & Kenwick (Refined), 80 Maiden lane, New York

Buffalo Fertilizer Works, Mutual Life bldg, Buffalo, N. Y.

Ducas B. P. Co. (Imp.), 25 S William, New York

DU PONT E. I. DE NEMOURS & CO., INC., Explosives & Smokeless Powder Depts. (Refined & Crude, see adv at Explosives), Wilmington, Del.
See adv index at end of book

Grace Wm. R. & Co. (Imp.), 7 Hanover sq. New York

Grasselli Chemical Co. (Exporters & Importers), Guardian bldg, Cleveland, O.

Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book

Hercules Powder Co. (Double Refined), Wilmington, Del.

Lang J. M. & Co. (Brokers), Savannah, Ga.

Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

Meyer, Wilson & Co., 435H California, San Francisco, Cal.

New Orleans Acid & Fertilizer Co., Gretna, La.

Nitrate Agencies Co. (Imp), 102 Pearl, New York

Royster F. S. Guano Co., Norfolk, Va.

Stauffer Chemical Co., 624 California, San Francisco, Cal.

Swift & Co., Union Stock Yards, Chicago, Ill.

Tennant C. Sons & Co. of N. Y. (Importers), 19 W 44th, New York

Tupelo Fertilizer Factory (Imported), Tupelo, Miss.

Virginia-Carolina Chemical Co., 11 S 12th, Richmond, Va.

Walter Edw. J. Co. (Brokers), American bldg, Baltimore, Md.

Wessel, Duval & Co. (Direct Importers), 25 Broad, New York

Nitrate of Sodium

See Sodium Nitrate, also Nitrate of Soda

Nitrate of Strontium

See Strontium Nitrate

10157— *Nitrators (Aniline)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

10158—Nitrators (Nitro-Glycerine)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

Luther Mfg. Co., Olean, N. Y.

10158a—*Nitrators (Picric Acid)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

10159— Nitre

Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book

Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y.
See adv index at end of book

10160— Nitre Cake

American Metal Co., 61 B'way, New York

Atlas Powder Co., Wilmington, Del.

Butterworth-Judson Corporation, 30 Church, New York

Contact Process Co., 351 Abbott av, Buffalo, N. Y.

Contact Process Co., Buffalo, N. Y.

DU PONT E. I. DE NEMOURS & CO., INC., Special Products Div. (Lump & Ground), Wilmington, Del.
See adv index at end of book

Fergusson Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*

Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book

Hercules Powder Co., Wilmington, Del.

Monsanto Chemical Works, 1800 S 2d, St. Louis, Mo.

Riverside Acid Works, Warren, Pa.

Victor Chemical Works, Dept. H, Fisher bldg, Chicago, Ill.

Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

10160a—Nitric Acid Apparatus

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

10160b— Nitrobenzene

DU PONT E. I. DE NEMOURS & CO., INC., Dyestuffs Dept., Wilmington, Del.
See adv index at end of book

National Aniline & Chemical Co., Inc., 40 Rector, New York

10161— Nitrobenzol

Calco Chemical Co., Bound Brook, N. J.

Chemical Co. of America (Mfrs.), 46 Murray, New York

Hercules Powder Co. (Wet with Water & Wet with Denatured Alcohol), Wilmington, Del.

Klipstein A. & Co. (Imported), 644 Greenwich, New York

Knight Maurice A. (Chemical Stoneware), Akron, Ohio.

Montcalm Chemical Wks., Indianapolis, Ind.

10162— Nitrocellulose

Am. Wood Preserving Co., 3743 N Marshfield av, Chicago, Ill.

Celluloid Zapon Co., 247 Park av, New York

Hercules Powder Co. (Wet with Water and Wet with Denatured Alcohol), Wilmington, Del.

Maas & Waldstein Co., 92 William, New York

10162a—Nitroglycerin (Solidified & Liquid)

Atlas Powder Co., Wilmington, Del.

DU PONT E. I. DE NEMOURS & CO., INC., Explosives & Smokeless Powder Depts., (see adv. at Explosives), Wilmington, Del.
See adv index at end of book

Hercules Powder Co. (In Alcohol), Wilmington, Del.

10163— Nitro-naphthalene

Agawam Chemical Wks., Grosvenor bldg, Providence, R. I.

Aniline Dyes & Chemicals, Inc., 134 Cedar, New York

Barrett Co., 17 Battery pl, New York

Newport Chemical Works, Milwaukee, Wis.

10163a— Nitrophenol (Ortho)

Harmer Laboratories Co., 2 S 21st, Phila., Pa.

10163b—Nitrosodimethylaniline

Chemical Co. of America, 28 Platt, New York

Dye Products & Chemicals Co., 200 5th av, New York

Marden, Orth & Hastings Co., 136 Liberty, New York

Montcalm Chemical Wks. (Mixed), 220 No. Illinois, Indianapolis, Ind.

National Aniline & Chemical Co., Inc. (Para & Base), 40 Rector, New York

Newport Chemical Wks., Inc., Milwaukee, Wis.

Western Aniline Products Co., Hammond, Ind.

10163c— Nitrotoluene

Hunnell & Co. Inc., 136 Liberty, New York

Montcalm Chemical Wks., Indianapolis, Ind.

National Aniline & Chemical Co., Inc., 40 Rector, New York

10163d— Nitroxylol

Indiana Dye & Chemical Co., Hammond, Ind.

10164-5— Notches (Cinder)

Keystone Bronze Co., 39th & A. V. R. R., Pittsburgh, Pa.

Novelties (Aluminum)

See Firms in Metal Novelties & Specialties with the Word Aluminum Following their Name

10166—Novelties (Silver & Silver Plated)

*Indicates Plated Ware

Baker-Manchester Mfg. Co., 100 Stewart, Providence, R. I.

Barrows H. F. & Co., North Attleboro, Mass.

***Bass E. & J. (Toilet), 610 B'way, New York**

Bassett Jewelry Co., 36 Garnet, Providence R. I.

Battin & Co., 3d av, Newark, N. J.

Bechard Mfg. Co., 706 Townsend, Chicago, Ill.

Blackinton R. & Co., North Attleboro, Mass.

***Bliss E. A. Co., Meriden, Conn.**

***Carr M. W. & Co., West Somerville, Mass.**

Carter, Gough & Co., 9 Maiden la, New York

Codding & Heilborn Co., North Attleboro, Mass.

Deitsch Bros., 135 Madison av, New York

Dominick & Haff, 545 W 23d, New York

Feeley W. J. Co., 169 S Angell, Providence, R. I.

Fessenden & Co., 32 Garnet, Providence, R. I.

Finch Charles N., Elizabeth, N. J.

***Fishel-Nessler Co., 184 5th av, New York**

Ford-Perry Co., 70 Ship, Providence, R. I.

Foster Theo. W. & Bro. Co., 100 Richmond, Providence, R. I.

Fradley J. F. & Co., 312 E 23d, New York

Hamilton & Hamilton Jr., Providence, R. I.

***†International Silver Co., Meriden, Conn.**

***Jennings Silver Co. (Toilet), Irvington, N. J.**

***Jones A. H. Co., Meriden, Conn.**

Kirk Samuel & Son Co., 108 E. Baltimore, Baltimore, Md.

La Pierre Mfg. Co., Newark, N. J.

Lederer S. & B. Co., 100 Stewart, Providence, R. I.

***Meriden Silver Plate Co. (Branch of International Silver Co.), Meriden, Conn.**

Ortner Jno. E. & Co. (Bag Frames), 18 S 20 Irving, Newark, N. J.

Oskamp Nolting Co., 26 W 7th, Cincinnati, Ohio

Park City Silverware Co., 22 Webster av, Bridgeport, Conn.

Paye & Baker Mfg. Co., North Attleboro, Mass.

Riley & French, North Attleboro, Mass.

Saart Bros. Co., Attleboro, Mass.

Schimper Wm. & Co., 322-338 Ferry, Hoboken, N. J.

Moore & Hoffmann, 407 Mulberry, Newark, N. J.

Shabeck John C. L., 236 Aborn, Providence, R. I.

Stern Louis & Co. (Bags), Metcalf bldg, Providence, R. I.

Strobell & Crane, 33 E Kinney, Newark, N. J.

Unger Bros., 50 Columbia, Newark, N. J.

Vanderbilt Clarence A., 132 W 14th, New York

Wallace R. & Sons Mfg. Co., Wallingford, Conn.

***Wallingford Co., Wallingford, Conn.**

Watson Co., Attleboro, Mass.

Webster Co. (Sterling Silver), North Attleboro, Mass.

***Weidlich Bros. Mfg. Co., Connecticut & Florence, Bridgeport, Conn.**

Wendell & Co., 618 W Jackson blvd, Chicago, Ill.

Whiting F. M. & Co., North Attleboro, Mass.

Whiting & Davis Co. (Mesh Bags), Plainville, Mass.

Woodside Sterling Co., 347 5th av, New York

10166a— Novelties (Wooden)

See also Advertising Novelties & Specialties

Adams S. S. Co. (Jokers Novelties, Puzzles, etc.), Plainfield, N. J.

American Automatic Device Co., 500 Throop, Chicago, Ill.

Atkinson Geo. F. (California), 1785 15th, San Francisco, Cal.

Basic Mfg. Co., Wilmington, Del.

Bogert & Hopper, Inc., 57 Barclay, New York
See adv index at end of book

Redwood Novelty Co., 976 12th, Oakland, Cal.

Stiles H. A. & Co. (Bead), 166-174 Portland, Boston, Mass.
See adv index at end of book

Universal Toy & Novelty Mfg. Co., 824 Folsom, San Francisco, Cal.

Winkler Mfg. Co., 29 Hydraulic av, South Bend, Ind.

10166b—Novelty Manufacturers' Materials

Kennebunk Mfg. Co. ("Kemace" Fibre), Milton, N. H.

10167— *Nozzles (Air)

BINKS SPRAY EQUIPMENT CO., 3129 Carroll av, Chicago, Ill.

LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
See adv index at end of book

10167a— Nozzles (Aerating)

COOLING TOWER CO., INC. (THE), 15 John, New York
See adv index at end of book

10167b—Nozzles (Air Dusting)

BINKS SPRAY EQUIPMENT CO., 3129 Carroll av, Chicago, Ill.

10168—Nozzles (Air Washing & Humidifying)

Anthony Co. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.

Badger, E. B. & Sons Co., 75a Pitts, Boston, Mass.
See adv index at end of book

BAYLEY MFG. CO., 66 Greenbush, Milwaukee, Wis.

BINKS SPRAY EQUIPMENT CO. ("Spray-rite" Nozzles), 3129 Carroll av, Chicago, Ill.

COOLING TOWER CO., INC. (THE), 15 John, New York
See adv index at end of book

Spray Engineering Co. ("Spraco"), 62 High, Boston, Mass.
See adv index at end of book

10169—Nozzles (Asphalt Spraying)

Binks Spray Equipment Co. ("Spra-Rite"), 3129 Carroll av, Chicago, Ill.

Morse A. J. & Son, Inc., 221 High, Boston, Mass.

Spray Engineering Co. ("Spraco"), 62 High, Boston, Mass.
See adv index at end of book

Nozzles (Black Lead)

See Nozzles, Plumbago

10170— Nozzles (Blast)

Schutte & Koerting Co. (For Chimneys, Steam Jet), 1251 N 12th, Phila., Pa.
See adv index at end of book

10171— Nozzles (Chemical)

Anthony Co. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.

Castle Jas. M., Inc., 1224 Arch, Phila., Pa.

Jones Jas. Co., 201 Leroy, Los Angeles, Cal.

Morse A. J. & Son, Inc., 221 High, Boston, Mass.

Rex-Harris Fire Appliance Co., 810 W 39th, New York

SCHUTTE & KOERTING CO., 1251 N 12th, Philadelphia, Pa.
See adv index at end of book

Spray Engineering Co. ("Spraco" Two Fluids), 62 High, Boston, Mass.
See adv index at end of book

10172—Nozzles (Fire Boat & Hose Wagon)

Castle Jas. M., Inc., 1224 Arch, Phila., Pa.

Jones Jas. Co., 201 Leroy, Los Angeles, Cal.

Loeffelholz Co., Milwaukee, Wis.

Elite Mfg. Co., Aldenville, Pa.

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

Morse A. J. & Son, Inc., 221 High, Boston, Mass.

Threaded Products Co., 8th & Carlton, Berkeley, Cal.

Universal Nozzle Co., 139 S East, Indianapolis, Ind.

Wheaton A. W. Brass Works ("Newark"), 110 Walnut, Newark, N. J.

10173—Nozzles (Flanged Boiler, Forged Steel)

AM. SPIRAL PIPE WORKS, Box 485, Chicago, Ill., & 50 Church, New York
See adv index at end of book

Kellogg M. W. Co., 90 West, New York
See adv index at end of book

Ryerson Jos. T. & Son, Inc. ("Horsley"), 2558 W 16th, Chicago, Ill.
See adv index at end of book

10174— Nozzles (Hose)

Acheson Mfg. Co. (Garden), Rankin, Pa.
See adv index at end of book

American Brass & Copper Co., 138 Lafayette, New York

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.

American Safety Lamp & Mine Supply Co., Scranton, Pa.

Anderson Coupling & Fire Supply Co. (Combination), Kansas City, Kans.

Anderson G. A. Mfg. Co. ("Anderson"), Bush & Russell, Baltimore, Md.

Beaton & Cadwell Mfg. Co. ("Gem"), New Britain, Conn.

Boston Coupling Co. ("Haley"), 156 Pearl, Boston, Mass.

Boston Woven Hose & Rubber Co. ("Boston," "Eclipse," "Stanley Jr.," "Fairy," "Daisy," "Deluge," "Hot House"), Cambridge, Mass.

Buckeye Iron & Brass Works, 322 E 3rd, Dayton, Ohio
See adv index at end of book

Buckner Mfg. Co., 95 Blackstone av, Fresno, Cal.

Castle Jas. M., Inc., 1224 Arch, Phila., Pa.

Clark W. J. Co., Salem, O.

Clay Jno. H., 1320 Ridge av, Phila., Pa.

Crane Co., 836 E Michigan av, Chicago, Ill.
See adv index at end of book

Eastman Samuel Co., East Concord, N. H.

Elkhart Brass Mfg. Co. ("Firearms Pet," "Elk," Shut-Off), Elkhart, Ind.

Fabric Fire Hose Co., 127 Duane, New York

Fries & Co., 91 Main, Buffalo, N. Y.

Goodall Rubber Co., 11th & Arch, Philadelphia, Pa.

Greenberg's M. & Son (Fire Hose), 225 Beale, San Francisco, Cal.

Grether Fire Equipment Co. (Dirs.), Dayton, O.

Hardware Supply Co., Grand Rapids, Mich.

Hartman W. E. & Sons (for Gasoline), 422 E 3rd, Los Angeles, Cal.

Haydenville Co., Haydenville, Mass.

Hayward S. F. & Co., 250 W 54th, New York

Hirsch F. S. & W. W., Inc. ("Metropolitan" Fire Hose), 845 E 6th, Los Angeles, Cal .

Howell F. R. Brass Works, 122 N Franklin, Phila., Pa.

Jones Jas. Co., 201 Leroy, Los Angeles, Cal.

Kelly & Jones Co., The, Greensburg, Pa.
See adv index at end of book

Knox Mfg. Co. (Malleable Iron), 821 Cherry, Philadelphia, Pa.

Landers, Frary & Clark ("Fairy" & "Climax"), New Britain, Conn.

Larkin Mfg. Co. (Shut-Off), Dayton, O.

Long A. G. Co., Inc., 249 N 16th, Portland, Ore.

Medina Stamping & Mach. Co., Medina, N. Y.

Morse Andrew J. & Son (Inc.), ("Mose," "Monitor"), 221 High, Boston, Mass.

Myers F. E. & Bro., 900 Fourth, Ashland, Ohio

Nelson L. R. ("Central," "Little Monitor," "Universal"), Peoria, Ill.

Neumeyer H. F. & Sons ("New"), Macungie, Pa.

Peck Bros. & Co., New Haven, Conn.

Seattle Brass Co., 4001 7th av S, Seattle, Wash.

Sherman H. B. Mfg. Co. ("Diamond"), Battle Creek, Mich.

Simmons John Co. ("C. L. E."), 110 Centre, New York
See adv index at end of book

Standard Brass & Iron Works (Heavy for Brewers, etc.), 1820 St. Paul av, Milwaukee, Wis.

Threaded Products Co., 8th & Carlton, Berkeley, Cal.

Wheaton A. W. Brass Works ("Newark" Turret Fire Hose), 110 Walnut, Newark, N. J.

Wolverine Brass Works, Grand Rapids, Mich.

10175—Nozzles (Hydraulic Mining)

AM. SPIRAL PIPE WORKS, Box 485, Chicago, Ill., & 50 Church, New York
See adv index at end of book

Universal Nozzle Co. ("Universal"), 139 S East, Indianapolis, Ind.

10175a—*Nozzles (Impact)

COOLING TOWER CO., INC., (THE), 15 John, New York
See adv index at end of book

10176— Nozzles (Irrigating)

Buckner Mfg. Co., 95 Blackstone av, Fresno, Cal.

Morse A. J. & Son, Inc., 221 High, Boston, Mass.

Spray Engineering Co. ("Spraco"), 62 High, Boston, Mass.
See adv index at end of book

10177—Nozzles (Oil Burner)

Anthony Co. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.

BINKS SPRAY EQUIPMENT CO., 3129 Carroll av, Chicago, Ill.

Engineer Co., 17 Battery pl, New York

Morse A. J. & Son, Inc., 221 High, Boston, Mass.

Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

10177a— Nozzles (Pipe)

Ballwood Co. (The), 30 Church, New York

Castle Jas. M., Inc., 1224 Arch, Phila., Pa.

10178— Nozzles (Plumbago)

McCullough-Dalzell Crucible Co. (For Bessemer & Open Hearth Furnaces), 36th & A. V. R. R., Pittsburgh, Pa.

Seidel B. (Inc.) (For All Purposes), 1322 Callowhill, Phila., Pa.

10179—Nozzles (Sand Blast)

Koven L. O. Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book

MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

10180— Nozzles (Spray)

(Names with * also manufacture Monel Metal)

Acheson Mfg. Co., Rankin, Pa.
See adv index at end of book

ALLEN W. D. MFG. CO. ("Allen," "Mystic," "Justrite," "Gibbs," "Magic"), 201-211 N Jefferson, Chicago, Ill.
See adv index at end of book

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.

American Safety Lamp & Mine Supply Co., 1327 Capouse av, Scranton, Pa.

Anthony Co. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.

Badger E. B. & Sons Co., 75a Pitts, Boston, Mass.
See adv index at end of book

Bean Spray Pump Co., San Jose, Cal.

Beaton & Cadwell Mfg. Co. ("Gem"), New Britain, Conn.

BINKS SPRAY EQUIPMENT CO., 3129 Carroll av, Chicago, Ill.

*Briggs Engineering Co., 227 24th, Brooklyn, N. Y.

Brown E. C. Co., 845 Maple, Rochester, N. Y.

Buffalo Forge Co. ("Buffalo"), 490 B'way, Buffalo, N. Y.

Castle Jas. M., Inc., 1224 Arch, Phila., Pa.

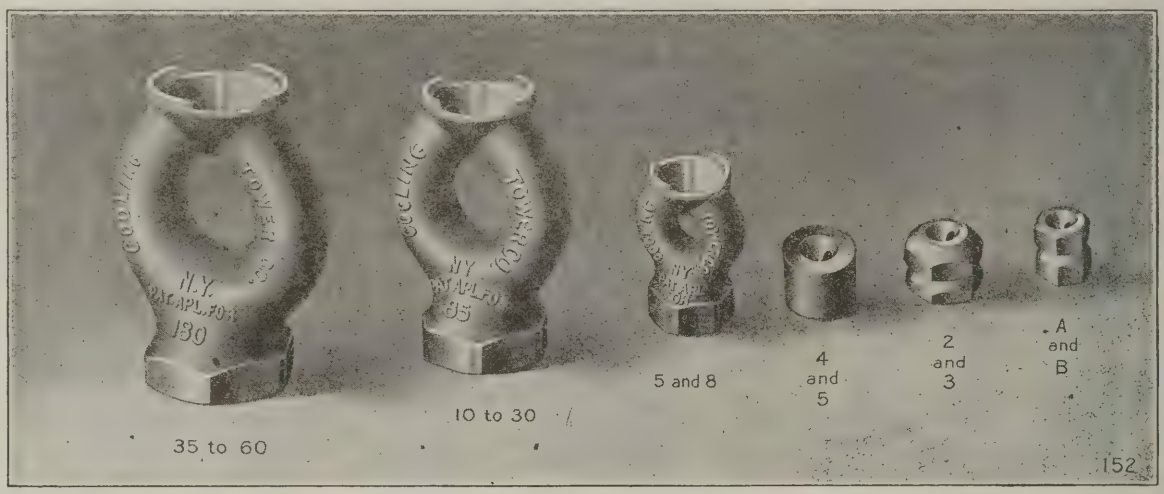
(Continued on following page)

SPRAY COOLING NOZZLES

For Saving Hot Water by Recooling

MONEY SAVERS IN POWER PLANTS AND A WIDE VARIETY OF INDUSTRIES

Used in connection with ammonia condensers, steam condensers, oil stills, gasoline and Diesel engines, electric transformers, syrup evaporators, steel quench tanks, etc.



THE NUMBERS UNDER EACH FIGURE INDICATE THE RANGE OF CAPACITIES AVAILABLE IN THE NOZZLES SHOWN, WHEN OPERATING AT SIX AND ONE-HALF POUNDS PRESSURE

Write for full information on Impact Sprays

THE COOLING TOWER COMPANY, INC., New York City

Manufacturers also of Water Cooling Towers and Air Washers

Nozzles (Spray)—Continued

COOLING TOWER CO., INC. (THE), (Water cooling), 15 John, New York
See adv index at end of book

DEMING CO. ("Acme," "Bordeaux," "Demorel," "Simplex," "Giant Simplex," "Vermorel"), Salem, O.
See adv index at end of book

Elkhart Brass Mfg. Co. ("Elkhart"), Elkhart, Ind.
Field Force Pump Co. ("Tiger"), Elmira, N. Y.
Friend Mfg. Co., Gasport, N. Y.
Fries & Co., 91 Main, Buffalo, N. Y.
Goulds Mfg. Co. ("Mistry"), 71 W Fall, Seneca Falls, N. Y.
See adv index at end of book
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.

INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book

Loeffelholz Co. ("Foley," Solid Stream, Shut-Off and Spray), Milwaukee, Wis.
•Monarch Mfg. Works, Inc., Philadelphia, Pa.
Morse A. J. & Son, Inc., 221 High, Boston, Mass.
Myers F. E. & Bro. ("Fembro," "New Way," "Bordeaux," "Vermorel," "Imperial," "Meyers"), 900 Orange, Ashland, O.
Niagara Sprayer Co. ("Scientific," for Spraying Trees, etc), Middleport, N. Y.
•Rockwood Sprinkler Co., Worcester, Mass.
Sandusky Fdry. & Machine Co., Sandusky, Ohio

SCHUTTE & KOERTING CO. (Atomizing "Koerting" for Mines, Chemicals, etc.), 1251 N 12th, Phila., Pa.
See adv index at end of book

Sherman H. B. Mfg. Co., Battle Creek, Mich.

SPRAY ENGINEERING CO. ("Spraco"), 62 High, Boston, Mass.
See adv index at end of book

Uehling Instrument Co., 473 Getty av, Paterson, N. J.

10181—Nozzles (Sprinkler for Sewage)

American Safety Lamp & Mine Supply Co., 1327 Capouse av, Scranton, Pa.
Priestman Albert ("Merritt"), 323 Chestnut, Phila., Pa.

10182— Nozzles (Standpipe)

Loeffelholz Co. (Combination & Judge Distributing), Milwaukee, Wis.
Morse A. J. & Son, Inc., 221 High, Boston, Mass.
Universal Nozzle Co. ("Universal"), 139 S East, Indianapolis, Ind.

10182a— Nozzles (Welded)

Adams S. G. Stamp & Stationery Co., 412 N 6th, St. Louis, Mo.
Ballwood Co., The, 30 Church, New York

Numbers & Letters (Decalcomania)

See Ornaments, Transfer

10183— Numbers & Letters (Metal)

See also Name Plates

Allen, Doane & Co., 29 Cornhill, Boston, Mass.
Aluminum Goods Mfg. Co. (Aluminum House), Manitowoc, Wis.
Arcade Mfg. Co. (House Numbers Only, no Letters, Brass & Aluminum), Freeport, Ill.
Borreson Mfg. Co. (Auto & House), St. Paul, Minn.
Brass Goods Mfg. Co., 345 Eldert, Brooklyn, N. Y.
Brim, A. W. (White & Brass), Seneca Falls, N. Y.
Cincinnati Mfg. Co., Cincinnati, Ohio

EDWARDS MFG. CO., 545 Eggleston av, Cincinnati, O.
See adv index at end of book

Enamel Products Co. (House Numbers), Eddy rd & Taft av, Cleveland, Ohio
Grammes L. R. & Sons, 311 Union, Allentown, Pa.
See adv index at end of book
Highton Wm. & Sons Co., Nashua, N. H.
Hoggson & Pettis Mfg. Co. ("Yale"), 161H Brewery, New Haven, Conn.
Ingram Richardson Mfg. Co. ("Ing.-Rich." Porcelain Enameled Iron Automobile Numbers, also House & Miscel. Numbers), Beaver Falls, Pa.
See adv index at end of book
Kienzle Wm. F., 4855 N Paulina, Chicago, Ill.
Knight H. W. & Son (House, etc.), Seneca Falls, N. Y.
Lorenzen & Co. Chas. F. (& Tile), 521 W Monroe, Chicago, Ill.
Louisiana Metal Cabinet Works, New Orleans, La.
Matthews Jas. H. & Co. (Brass & Aluminum & House), 3942 Forbes, Pittsburgh, Pa.
See adv index at end of book
Mayer Geo. J. & Co., 36 S Meridian, Indianapolis, Ind.
Miller J. Walter Co. (House), Lancaster, Pa.
Moise Klinkner Co., 369 Market, San Francisco, Calif.
Mulhaupt F. Jos., Lafayette, Ind.
Newman Mfg. Co. (Brass & Bronze), 420 Elm, Cincinnati, O.
Niagara Falls Metal Stamping Works (Copper Milk Can, Automobile, House, etc.), Niagara Falls, N. Y.
Nicol & Co. (House Numbers Only), 218 N. Jefferson, Chicago, Ill.
Norwalk Lock Co., South Norwalk, Conn.
Payson Mfg. Co. (House Numbers), 2918 W Jackson blvd, Chicago, Ill.
Penn Hardware Co., Reading, Pa.
Pioneer Corp. (House Numbers), 6309 Yale av, Chicago, Ill.
Providence Brass & Aluminum Foundry, (House Numbers), 460 Eddy, Providence, R. I.
Reading Hardware Co., Reading, Pa.
Rex-Harris Fire Appliance Co. (Aluminum Numbers), 310 W 39th, New York
Riley-Klotz Mfg. Co., 17 Mulberry, Newark, N. J.
Russell & Erwin Mfg. Co. (Steel), New Britain, Conn.
Sackman Mfg. Co. (Steel), Akron, Ohio
Shanafelt Mfg. Co. (Pattern, White Metal), Canton, Ohio
Smith F. P. Wire & Iron Works, 2340-48 Clybourn, Chicago, Ill.
See adv index at end of book
Smith R. H. Mfg. Co., Springfield, Mass.
Spokane Stamp Works, Spokane, Wash.
Steere Geo. (House, Sign, etc.), 432 S Dearborn, Chicago, Ill.
Taylor & Boggis Foundry Co. (House), Cleveland, Ohio
Turner & Seymour Mfg. Co. (House Numbers Only), Torrington, Conn.
Waterbury Button Corporation (Raised), 831 S Main, Waterbury, Conn.
See adv index at end of book
Western Brass Mfg. Works (Cast Brass & Bronze), Marshall blvd & W 21st, Chicago, Ill.
Whitlock Mfg. Co., 1506 W 112th, Cleveland, O.
Weiser Hdwe Mfg. Co., Inc., 5209 Pacific blvd, Los Angeles, Calif.
Wilcox, Crittenden & Co., Inc. (Brass), 444 S Main, Middletown, Conn.
See adv index at end of book
Ziegler Bros. Co., Elgin, Ill.

10184—Nut Crackers & Picks

Arcade Mfg. Co. ("Arcade," "Standard" & "Universal," Crackers Only), Freeport, Ill.
Browne & Dowd Mfg. Co. (Crackers Only), Meriden, Conn.
Cassady, Fairbank Mfg. Co. ("May Eureka," "Winchester," "Invincible Victor" & "Pride Standard"), 6126 S La Salle, Chicago, Ill.
Duebel Chas. & Co. (Also Hullers & Shellers—Almond), 316 1st, San Francisco, Cal.
Gray Iron Foundry Co. ("20th Century" Nut Crackers), Reading, Pa.
Grey Iron Casting Co. (Crackers Only), Mt. Joy, Pa.
Jennings Bros. Mfg. Co., 219 Elm, Bridgeport, Conn.
Landers, Frary & Clark, New Britain, Conn.
Meriden Cutlery Co. ("Anvil"), Meriden, Conn.
New Standard Hardware Works, Inc., Mount Joy, Pa.
Nicol & Co. ("N. & Co." Crackers Only), 218 N Jefferson, Chicago, Ill.
Osborne C. S. & Co. (Nut Crackers Only), Box 183, Newark, N. J.
See adv index at end of book
QUACKENBUSH H. M., Herkimer, N. Y.
Rollman Mfg. Co. (Ltd.) ("Rollman" Crackers), Mt. Joy, Pa.
Sargent & Co. (Crackers Only), New Haven, Conn.
Schroeter Bros. Hardware Co. (Home Nut Crackers), 810 Washington, St. Louis, Mo.
Stearns E. C. & Co. (Serrated Jaw Nut Crackers), 450 Oneida, Syracuse, N. Y.
Thurnauer G. M. Co., 6 E 20th, New York
Tri-angle Mfg Co. ("New Century"), Freeport, Ill.
Williams A. C. Co. (Crackers Only), Ravenna, O.
Woldert Ales Co. ("Squirrel" Crackers), Tyler, Tex.
Wrightsville Hardware Co. ("Brighton" Crackers), Wrightsville, Pa.

Nut Locks

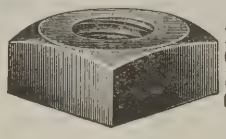
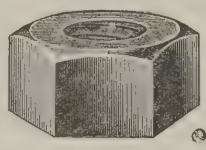
See Lock-Nuts & Washers

Nut Machinery

See Machinery, for Various Kinds of Nut Machinery

10185— Nut Manufacturers

Under this Head see Sub-classifications following
See also Bolt, Nut & Rivet Manufacturers
American Car & Foundry Co. (Square & Hexagon), Syndicate Trust bldg, St. Louis, Mo.
American Equipment Co., Norristown, Pa.
AMERICAN BOLT CORP., Whitehall bldg, New York
See adv index at end of book
American Screw Co. (Small), 21 Stevens, Providence, R. I.
Anchor Bolt & Nut Co., Poughkeepsie, N. Y.
Ansonia Mfg. Co. (Brass), H River rd, Ansonia, Conn.
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O.
Automatic Metal Products Co., Springfield, Ohio
Ballard Drop Forge Co. ("Ballard"), Seattle, Wash.
Berry Bros., Columbus, Ohio
Bethlehem Steel Co., So. Bethlehem, Pa.
BLAKE & JOHNSON CO. (All Metals), 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
Bourne-Fuller Co. (Upson Plant), H, Scranton av, Cleveland, Ohio
Bridgeport Brass Co. (Brass), Dept. H, E Main, Bridgeport, Conn.
Brightman Nut & Mfg. Co., Sandusky, O.
Camden Forge Co. (Large), Camden, N. J.
Champion Mfg. Co. 7332 Kimbark av, Chicago, Ill.
CHAPMAN MACHINE CORP. (Small), Terryville, Conn.
See adv index at end of book
Chicago Screw Co. Homan av & Fillmore, Chicago, Ill.
Clark Bros. Bolt Co., Milldale, Conn.
See adv index at end of book
Columbus Bolt Works Co., Columbus, O.
Continental Bolt & Iron Works, 2225 W 43rd, Chicago, Ill.
Coulter-Curtis Screw Co., Inc., 17H Gull, Buffalo, N. Y.
Delaware Marine Mfg. Co., Wilmington, Del.
Detroit Nut Co. (Steel, Brass & Bronze), Hubbard av & M. C. R. R., Detroit, Mich.
Dyson Jos. & Sons (Square & Hexagon), 5125 St. Clair av, Cleveland, O.
Eastern Bolt & Nut Co., E Providence, Providence, R. I.
Eberhard Mfg. Co., C. & P. Ry & Tennyson rd, Cleveland, O.
Foster Bolt & Nut Mfg. Co., Union av & E 72d, Cleveland, Ohio
Garland Mfg. Co., 1st National Bank bldg, Pittsburgh, Pa.
Gary Screw & Bolt Co., Gary, Ind.
Graham Nut Co., 1317 W Carson, Pittsburgh, Pa.
Grammes L. F. & Sons, 311 Union, Allentown, Pa.
See adv index at end of book
Greenlie Wyatt & Co., 499 Water, New York
Grip Nut Co., 59th & Western avs, Chicago, Ill.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hill-Smith Metal Goods Co. (For Automobiles only), 82 Brookline av, Boston, Mass.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Kirk-Latty Mfg. Co. (The), 8500 Madison av, Cleveland, O.
See adv index at end of book


Manufacturers of
Hex or Square Cold or Hot Pressed Nuts up to and including 1 inch diameter
NUTS
WRITE FOR OUR CATALOG
THE KIRK-LATTY MFG. CO.
8500 Madison Avenue
CLEVELAND, OHIO


Lake Erie Bolt & Nut Co., 915 E 63rd, Cleveland, O.
Lamson & Sessions Co., 2188 Scranton R. S. W., Cleveland, O.
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
Milton Mfg. Co., Milton, Pa.
Moore Franklin Co., Winsted, Conn.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
National Acme Co., 7500 Stanton av S E, Cleveland, O.
National Bolt & Nut Co., 62nd & A. V. R. R., Pittsburgh, Pa.
National Screw & Tack Co., Stanton av S E & C. P. Ry., Cleveland, O.
Neely Nut & Bolt Co., 26 S 22nd, Pittsburgh, Pa.
New Haven Screw Co., 199 Foster, New Haven, Conn.
See adv index at end of book
Nolte Screw Machine Products Co., 1536 Freeman av, Cincinnati, O.
Ohio Nut & Bolt Co., Berea, O.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Portland Bolt & Mfg. Co., 210 N 14th, Portland, Ore.
Rawles Jas. D. Co. (Brass), 113 Broad, Boston, Mass.
Reed & Prince Mfg. Co., Worcester, Mass.
Rhode Island Tool Co., Providence, R. I.
Rochester Machine Screw Co., Rochester, N. Y.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
Sandusky Nut Co., Sandusky, O.
Sherman Klove Co., 4649 W Harrison, Chicago, Ill.
Steel Car Forge Co., Frick bldg., Pittsburgh, Pa.
Western Automatic Machine Screw Co., Elyria, Ohio
Western Screw Mfg. Co., 4413-23H W Kinzie, Chicago, Ill.
Wood & Spencer Co., 1930 E 61st, Cleveland, O.
Youngstown Mfg. Co., Youngstown, O.
Ziegler Mfg. Co., Alexandria, Ind.

Nut Picks

See Nut Crackers & Picks

10186— Nutgalls

Innis, Speiden & Co., Inc. (Imp.), 46 Cliff, New York
Norden A. & Co. (Imp.), 60 Beaver, New York
Thurston & Braidich (Imp.), 27 Cliff, New York

10187— Nuts (A. L. A. M.)

Ansonia Mfg. Co. (Brass), H, River rd, Ansonia, Conn.
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O.
Hill Pump Valve Co. (Standard Plain & Castellated), 4601-21 Belmont av, Chicago, Ill.
Russell Burdsall & Ward Bolt & Nut Co., Dept. H, Port Chester, N. Y.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
Western Screw Products Co., 19 St. George, St. Louis, Mo.
Ziegler Mfg. Co., Alexandria, Ind.

10188—Nuts (Acorn Carriage)

Bossert Corp. (Differential Adjusting), cor Linden & West av, Utica, N. Y.
Dent Hardware Co., Fullerton, Pa.
Vahan Products Co., 73rd & St. Clair, Cleveland, Ohio.
Western Screw Products Co., 19 St. George, St. Louis, Mo.
Ziegler Mfg. Co., Alexandria, Ind.

10188a—Nuts (Automobile)

Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O.
Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
Clark Bros. Bolt Co., Milldale, Conn.
See adv index at end of book
Greer Frederic, 2608 Flournoy, Chicago, Ill.
Harper F. C. Screw Wks., 19 E 8th, Chicago, Ill.
KIRK-LATTY MFG. CO. (THE), 8500 Madison av, Cleveland, O.
See adv index at end of book
Lamson & Sessions Co., 2188H Scranton rd, Cleveland, O.
Larkin J. K. & Co., 253 B'way, New York
See adv index at end of book
Russell Burdsall & Ward Bolt & Nut Co., Dept. H, Port Chester, N. Y.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
Sandusky Nut Co., 122 Lawrence, Sandusky, O.
Western Screw Products Co., 19 St. George, St. Louis, Mo.
Zeigler Mfg. Co., Alexandria, Ind.

10189— Nuts (Bicycle)

Bourne Fuller Co., Hanna bldg, Cleveland, O.
Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
Clark Bros. Bolt Co., Milldale, Conn.
See adv index at end of book
Coulter-Curtis Screw Co. Inc., 17H Gull, Buffalo, N. Y.
National Acme Co., 7500 Stanton av S E, Cleveland, O.
Perry-Fay Mfg. Co., Elyria, O.
Russell, Burdsall & Ward Bolt & Nut Co., Portchester, N. Y.
Western Automatic Machine Screw Co., Elyria, O.
Western Screw Products Co., 19 St. George, St. Louis, Mo.
Zeigler Mfg. Co., Alexandria, Ind.

10190— Nuts (Brass Cap)

Ansonia Mfg. Co. (Brass), H River rd, Ansonia, Conn.
Continental Elec. Co., 82 Warren, New York
Corbin Screw Corporation (Acorn Cap or Blank Brass, Bronze, Iron or Steel), New Britain, Conn.
Coulter-Curtis Screw Co. Inc., 17H Gull, Buffalo, N. Y.
Detroit Screw Works (Brass & Steel Acorn Cap), 348 Franklin, Detroit, Mich.
EVERITT CO., 267 Franklin, Boston, Mass. *See adv index at end of book*
Greer, Frederic, 2608 Flournoy, Chicago, Ill.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
National Acme Co., 7500 Stanton av S E, Cleveland, O.
NEW HAVEN SCREW CO. (Plain, Hex. & Collar to Order), 199 Foster, New Haven, Conn.
See adv index at end of book
Reed & Prince Mfg. Co., Worcester, Mass.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.

(Continued on following page)

Nuts (Brass Caps)—Continued

Star Expansion Bolt Co. ("Star"), 147 Cedar, New York
Western Automatic Machine Screw Co., Elyria, O.
Western Screw Mfg. Co., 4413-23H W Kinzie, Chicago, Ill.
Western Screw Products Co., 19 St. George, St. Louis, Mo.
Zeigler Mfg. Co., Alexandria, Ind.

10191—Nuts (Brass, Hexagon)

Ansonia Mfg. Co. (Brass), H River rd, Ansonia, Conn.
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O.
Continental Elec. Co., 32 Warren, New York
Coulter-Curtis Screw Co. Inc., 17H Gull, Buffalo, N. Y.
EVERITT CO., 267 Franklin, Boston, Mass. *See adv index at end of book*
Greer, Frederic, 2608 Flournoy, Chicago, Ill.
Humason Mfg. Co., Forestville sta, Conn.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
National Acme Co., 7500 Stanton av S E, Cleveland, O.
Nolte Screw Machine Products Co., 1536 Freeman av, Cincinnati, O.
Peninsular Milled Screw Co., 4646 Lawton, Detroit, Mich.
Progressive Mfg. Co., Torrington, Conn.
Reed & Prince Mfg. Co., Worcester, Mass.
Russell Burdsall & Ward Bolt & Nut Co., Dept. H, Port Chester, N. Y.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
Waltham Screw Co., Waltham, Mass.
Western Screw Products Co., 19 St. George, St. Louis, Mo.
Zeigler Mfg. Co., Alexandria, Ind.

10192—Nuts (Brass & Copper)

American Pin Co. ("Ampinco" Brass Only), Waterbury, Conn.
American Safety Lamp & Mine Supply Co., 1327 Capouse av, Scranton, Pa.
Ansonia Mfg. Co. (Brass), H River rd, Ansonia, Conn.
Blake & Johnson Co. (To Order), 1500 Thomaston av, Waterbury, Conn. *See adv index at end of book*
Columbus Brass Co., 620 Dublin av, Columbus, Ohio *See adv index at end of book*
Continental Elec. Co., 32 Warren, New York
Corbin Screw Corp., New Britain, Conn.
Coulter-Curtis Screw Co. Inc., 17H Gull, Buffalo, N. Y.
Detroit Nut Co. (Brass & Bronze), Hubbard av & M. C. R. R., Detroit, Mich.
Detroit Screw Works, 348 Franklin, Detroit, Mich.
EVERITT CO., 267 Franklin, Boston, Mass. *See adv index at end of book*
Gaynor Mfg. Co. (Brass for Steam, Gas & Water Fittings), Bridgeport, Conn.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Hill-Smith Metal Goods Co., 102 Brookline av, Boston, Mass.
International Brass & Electric Co. (Brass Hexagon, Machine Made), 76 Beekman, New York
Little M. S. Mfg. Co. (Brass), 151H New Park av, Hartford, Conn.
Mutual Electric & Machine Co. (Copper), 233 Fort W, Detroit, Mich.
National Acme Co. (Brass Only), 7500 Stanton av S E, Cleveland, O.
Nolte Screw Machine Products Co., 1536 Freeman av, Cincinnati, O.
Pheoll Mfg. Co. (Brass), 5700 W 12th, Chicago, Ill.
Rawles Jas. D. Co., 113 Broad, Boston, Mass.
Reed & Prince Mfg. Co. (& Brass Cast), Worcester, Mass.
Rockford Bolt Co. (Brass), 60 Mill, Rockford, Ill.
Russell Burdsall & Ward Bolt & Nut Co., Dept. H, Port Chester, N. Y.
St. Louis Screw Co. (Also Bronze), Clarence av E, St. Louis, Mo.
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
Waterbury Mfg. Co., Division Chase Companies, Inc. (Brass), Waterbury, Conn.
Welch T. F. Co., 55 Sudbury, Boston, Mass.
Western Automatic Machine Screw Co., Elyria, O.
Western Screw Mfg. Co. (Brass Only), 4413-23H W. Kinzie, Chicago, Ill.
Western Screw Products Co. (Brass Only), 19 St. George, St. Louis, Mo.
Zeigler Mfg. Co., Alexandria, Ind.

10192a— Nuts (Carriage Bolt)

Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O.
Bourne Fuller Co., Hanna bldg, Cleveland, O.
Kirk-Latty Mfg. Co. (The), 8500 Madison av, Cleveland, O. *See adv index at end of book*
Lamson & Sessions Co., 2188H Scranton rd, Cleveland, O.
Reed & Prince Mfg. Co., Worcester, Mass.
Russell Burdsall & Ward Bolt & Nut Co., Dept. H, Port Chester, N. Y.

10193—Nuts (Case Hardened)

Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O.
Bethlehem Steel Co., So. Bethlehem, Pa.
Bourne Fuller Co., Hanna bldg, Cleveland, O.
Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
Cincinnati Screw Co., Twightwee, Cincinnati, O.
Corbin Screw Corporation, New Britain, Conn.
Coulter-Curtis Screw Co. Inc., 17H Gull, Buffalo, N. Y.
Detroit Screw Works, 348 Franklin, Detroit, Mich.
Garland Mfg. Co., 1st Nat'l Bk. bldg, Pittsburgh, Pa.
Gary Screw & Bolt Co. (Finished), Gary, Ind.
Graham Nut Co., 1317 W Carson, Pittsburgh, Pa.
Harper F. C. Screw Wks., 19 E 8th, Chicago, Ill.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Lamson & Sessions Co., 2188H Scranton rd, Cleveland, O.
Larkin J. K. & Co., 253 B'way, New York *See adv index at end of book*
Milton Mfg. Co. (Finished Hexagon), Milton, Pa.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
National Acme Co., 7500 Stanton av S E, Cleveland, O.
Neely Nut & Bolt Co., 26 S 22nd, Pittsburgh, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Peninsular Milled Screw Co., 4646 Lawton, Detroit, Mich.
Pittsburgh Screw & Bolt Co. (Finished), Preble av, Pittsburgh, Pa.
Reed & Prince Mfg. Co., Dept H, Worcester, Mass.
Rhode Island Tool Co. (Finished), Providence, R. I.
Sandusky Nut Co., 122 Lawrence, Sandusky, O.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
Standard Shop Equipment Co. Inc. ("Cad." Finished), Dept. H, 82 Lenicum, Phila., Pa.
Waltham Screw Co., Waltham, Mass
Western Screw Products Co., 19 St. George, St. Louis, Mo.
Western Automatic Machine Screw Co., Elyria, Ohio

10194— Nuts (Cast Iron)

Ladd W. C., Bristol, Conn.

10195— Nuts (Castellated)

Automatic Screw Mach. Products Co., 3425 W 31st, Chicago, Ill.
Bethlehem Steel Co., Bethlehem, Pa.
Brightman Mfg. Co., Columbus, O.
Brightman Nut & Mfg. Co., Sandusky, O.
Bourne Fuller Co., Hanna bldg, Cleveland, O.
Cincinnati Screw Co., Twightwee, Loveland & Maderia, Cincinnati, O.
Columbia Nut & Bolt Co., 1500 Railroad av, Bridgeport, Conn.
Coulter-Curtis Screw Co. Inc., 17H Gull, Buffalo, N. Y.
Greer, Frederic, 2608 Flournoy, Chicago, Ill.
Harper F. C. Screw Wks., 19 E 8th, Chicago, Ill.
Hill Pump Valve Co (also Plain), 4001-21 Belmont av, Chicago, Ill.
LARKIN & CO. J. K., 253 Broadway, New York *See adv index at end of book*
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
National Acme Co. (Iron & Steel), 7500 Stanton av. S E, Cleveland, O.
National Screw & Mfg. Co., The, 2440 E 75th, Cleveland, O. *See adv index at end of book*
Neely Nut & Bolt Co., 26 S 22nd, Pittsburgh, Pa.
New Haven Screw Co., 199 Foster, New Haven, Conn. *See adv index at end of book*
New London Screw & Nut Wks., New London, Ohio
Peninsular Milled Screw Co., 4646 Lawton, Detroit, Mich.
Russell Burdsall & Ward Bolt & Nut Co., Dept. H, Port Chester, N. Y.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
Sandusy Nut Co., 122 Lawrence, Sandusky, O.
Sherman-Klove Co., 4649 W. Harrison, Chicago, Ill.
Western Automatic Mach. Screw Co., Elyria, O.
Western Screw Products Co., 19 St. George, St. Louis, Mo.
Wood & Spencer Co., 1939 E. 61st, Cleveland, O.
Zeigler Mfg. Co., Alexandria, Ind.

10196— Nuts (Caster)

Bourne Fuller Co., Hanna bldg, Cleveland, O.
Russell, Burdsall & Ward Bolt & Nut Co., (Case Hardened), Port Chester, N. Y.

10197—Nuts (Castle, Semi-Finished)

Bethlehem Steel Co., Bethlehem, Pa.
Bourne Fuller Co., Hanna bldg, Cleveland, O.
Cleveland Wrought Products Co., The, 3400 W 58th, Cleveland, O. *See adv index at end of book*
Coulter-Curtis Screw Co. Inc., 17H Gull, Buffalo, N. Y.
Detroit Screw Works, (Also Polished, also "S. A. E."), 348 Franklin, Detroit, Mich.
Milton Mfg. Co., Milton, Pa.
Neely Nut & Bolt Co., 26 S 22nd, Pittsburgh, Pa.
Peninsular Milled Screw Co., 4646 Lawton, Detroit, Mich.
Russell Burdsall & Ward Bolt & Nut Co., Dept H, Port Chester, N. Y.
Sandusky Nut Co., 122 Lawrence, Sandusky, O.
Western Screw Products Co., 19 St. George, St. Louis, Mo.
Zeigler Mfg. Co., Alexandria, Ind.

10198—Nuts (Check & Jam)

Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O.
Bethlehem Steel Co., Bethlehem, Pa.
Bourne Fuller Co., Hanna bldg, Cleveland, O.
Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
Clark Bros. Bolt Co., Millidale, Conn. *See adv index at end of book*
Corbin Screw Corp., New Britain, Conn.
Coulter-Curtis Screw Co. Inc., 17H Gull Buffalo, N. Y.
Detroit Screw Works, 348 Franklin, Detroit, Mich.
Garland Nut & Rivet Co., Lawrence county, West Pittsburgh, Pa.
Gary Screw & Bolt Co. (Cold Punched & Semi-Finished), Gary, Ind.
Graham Nut Co., 1317 W Carson, Pittsburgh, Pa.
Harper F. C. Screw Wks., 19 E 8th, Chicago, Ill.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Kirk-Latty Mfg. Co. (The), 8500 Madison av, Cleveland, Ohio *See adv index at end of book*
Lake Erie Bolt & Nut Co., ft of E 63d, Cleveland, Ohio
Lamson & Sessions Co., 2188H Scranton, rd, Cleveland, O.
LARKIN & CO. J. K., 253 Broadway, New York *See adv index at end of book*
Milton Mfg. Co., Milton, Pa.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
National Acme Co., 7500 Stanton av, S. E., Cleveland, O.
National Screw & Mfg. Co., The, 2440 E 75th, Cleveland, O. *See adv index at end of book*
Neely Nut & Bolt Co., 26 S 22nd, Pittsburgh, Pa.
Peninsular Milled Screw Co., 4646 Lawton, Detroit, Mich.
Pittsburgh Screw & Bolt Co. (Cold Punched & Semi-Finished), Preble av, Pittsburgh, Pa.
Rhode Island Tool Co., Providence, R. I.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
Sandusky Nut Co., 122 Lawrence, Sandusky, O.
Western Automatic Machine Screw Co., Elyria, Ohio
Western Screw Products Co., 19 St. George, St. Louis, Mo.
Zeigler Mfg. Co., Alexandria, Ind.

10199— Nuts (Clevis)

Bonney Forge & Tool Wks., Tilghman, Allentown, Pa.
Bourne Fuller Co., Hanna bldg, Cleveland, O.
Cleveland City Forge & Iron Co., Cleveland, O.
LARKIN & CO. J. K., 253 Broadway, New York *See adv index at end of book*
MERRILL BROS., 3 Arnold, Maspeth (Borough of Queens), N. Y. *See adv index at end of book*
Russell Burdsall & Ward Bolt & Nut Co., Dept. H, Port Chester, N. Y.

10200— Nuts (Cold Drawn)

Ansonia Mfg. Co. (Brass), H River rd, Ansonia, Conn.
Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
Curtis Screw Wks., Buffalo, N. Y.
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.
Sandusky Nut Co., 122 Lawrence, Sandusky, O.
Western Screw Products Co., 19 St. George, St. Louis, Mo.

10201— Nuts (Cold Pressed)

American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
American Equipment Co., Norristown, Pa.
Ansonia Mfg. Co. (Brass), H River rd, Ansonia, Conn.
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio
Berry Bros., Columbus, O.
Bethlehem Steel Co., Bethlehem, Pa.
Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
Columbus Bolt Works Co., Columbus, O.
Crozier R. J. Co. (Dirs.), 10H S. 13th, Phila., Pa.
Foster Bolt & Nut Mfg. Co., Union av & E 72nd, Cleveland, O.
Kirk-Latty Mfg. Co. (The), 8500 Madison av, Cleveland, O.
See adv index at end of book
Lake Erie Bolt & Nut Co., 905 E 63rd, Cleveland, O.
Lamson & Sessions Co., 2188H Scranton rd, Cleveland, O.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
National Bolt & Nut Co., 62nd & A. V. R. R., Pittsburgh, Pa.
Neely Nut & Bolt Co., 26 S 22nd, Pittsburgh, Pa.
Reed & Prince Mfg. Co., Dept. H, Worcester, Mass.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
SMITH DAVID H. & SONS, foot of 51st, Brooklyn, N. Y.
See adv index at end of book
Western Screw Mfg. Co., 4413-23H W. Kinzie, Chicago, Ill.

10202—Nuts (Cold Punched)

American Equipment Co., Norristown, Pa.
Arghis M. J. & Co., 432 4th av, New York
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio
Ballard Drop Forge Co., Seattle, Wash.
Bethlehem Steel Co., So. Bethlehem, Pa.
Berry Bros., Columbus, O.
Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
Buffalo Bolt Co., Buffalo, N. Y.
Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
CLARK BROS. BOLT CO., Millidale, Conn.
See adv index at end of book
Columbus Bolt Works Co., Columbus, O.
Corbin Screw Corporation (Tapped, Square & Hexagon), New Britain, Conn.
Crozier R. J. Co. (Dirs.), 10H S 13th, Phila., Pa.
Foster Bolt & Nut Mfg. Co., Union av & E 72nd, Cleveland, O.
Garland Nut & Rivet Co., Lawrence county, West Pittsburgh, Pa.
Gary Screw & Bolt Co. (Chamfered & Trimmed), Gary, Ind.
Graham Nut Co., 1317 W Carson, Pittsburgh, Pa.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
KIRK-LATTY MFG. CO. (THE), 8500 Madison av, Cleveland, O.
See adv index at end of book
Lake Erie Bolt & Nut Co., ft of E 63d, Cleveland, O.
Lamson & Sessions Co. (Chamfered & Trimmed), 2188 Scranton rd, S W, Cleveland, O.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Lebanon Valley Iron & Steel Co., Lebanon, Pa.
Maryland Bolt & Forge Co., Mt. Washington, Baltimore, Md.
Milton Mfg. Co. (Chamfered & Trimmed), Milton, Pa.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
National Bolt & Nut Co., 6338 Butler, Pittsburgh, Pa.
National Screw & Mfg. Co., The, 2440 E 75th, Cleveland, O.
See adv index at end of book
Neely Nut & Bolt Co., 26 S 22nd, Pittsburgh, Pa.
Ohio Nut & Bolt Co., Berea, O.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Pittsburgh Screw & Bolt Co. (Chamfered & Trimmed), Preble av, Pittsburgh, Pa.
Progressive Mfg. Co., Torrington, Conn.
Reed & Prince Mfg. Co., Dept. H, Worcester, Mass.
Rhode Island Tool Co., Providence, R. I.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
Smith Thos. Co., Worcester, Mass.

10203— Nuts (Coupling)

Cleveland Punch & Shear Works Co., 3917 St. Clair av, N. E, Cleveland, O.
See adv index at end of book
Cleveland Steel Tool Co. (To Fit Any Punching Machine), 662 E 82nd,
See adv index at end of book
Russell Burdsall & Ward, Bolt & Nut Co., Dept H, Port Chester, N. Y.

10204—Nuts (Double Cupped)

Bourne Fuller Co., Hanna bldg., Cleveland, Ohio
Russell Burdsall & Ward, Bolt & Nut Co., Dept H, Port Chester, N. Y.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.

10204a— Nuts (Eye)

Hubbard & Co., 63d & Butler, Pittsburgh, Pa.

10205— Nuts (Forged)

American Equipment Co., Norristown, Pa.
Ames W. & Co., Jersey City, N. J.
Bethlehem Steel Co., So. Bethlehem, Pa.
Billings & Spencer Co., Hartford, Conn.
Bonney Forge Tool Works, Tilghman, Allentown, Pa.
Bourne Fuller Co., Hanna bldg., Cleveland, Ohio
Columbus Bolt Works, Columbus, O.
Dyson Jos. & Sons, 5125 St. Clair av, Cleveland, O.
Foster Bolt & Nut Mfg. Co., Union av & E 72nd, Cleveland, O.
Grip Nut Co. (Hot), 59th & Western aves, Chicago, Ill.
Johnston & Jennings Co., Addison rd & N. Y. C. R. R., Cleveland, O.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lamson & Sessions Co., 2188H Scranton rd, Cleveland, O.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
National Bolt & Nut Co. (Large), 62nd & A. V. R. R., Pittsburgh, Pa.
Neely Nut & Bolt Co., 26 S 22nd, Pittsburgh, Pa
Sizer Forge Co., 238 Larkin, Buffalo, N. Y.
Steel Car Forge Co., Frick bldg, Pittsburgh, Pa.
Tioga Steel & Iron Co., 52nd & Grays, Phila., Pa.
Titusville Forge Co., Titusville, Pa.

10205a— Nuts (Galvanized)

Hubbard & Co., 63d & Butler, Pittsburgh, Pa.

10205b—Nuts (Galvanized for Electric Conduit)

CLEVELAND WROUGHT PRODUCTS CO., THE, 3400 W 58th, Cleveland, O.
See adv index at end of book

10206— Nuts (Hot Pressed)

AMERICAN BOLT CORP., Whitehall bldg, New York
See adv index at end of book
American Equipment Co. ("U. S. Standard"), Norristown, Pa.
AMES W. & CO., Jersey City, N. J.
Ansonia Mfg. Co. (Brass), H River rd, Ansonia, Conn.
Arghis M. J. & Co., 432 4th av, New York
Ballard Drop Forge Co. ("Ballard"), Seattle, Wash.
Bethlehem Steel Co., So. Bethlehem, Pa.
Bourne-Fuller Co., Hanna bldg, Cleveland, O.
Buffalo Bolt Co., Buffalo, N. Y.
Cambria Steel Co., Widener bldg, Phila., Pa.
Clark Bros. Bolt Co., Millidale, Conn.
See adv index at end of book
Columbus Bolt Works Co., Columbus, O.
Crozier R. J. Co. (Dirs.), 10H S 13th, Phila., Pa.
Foster Boil & Nut Mfg. Co., Union av & E 72nd, Cleveland, O.
Gary Screw & Bolt Co., Gary, Ind.
Graham Nut Co., 1317 W Carson, Pittsburgh, Pa.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Kansas City Bolt & Nut Co., Kansas City, Mo.
KIRK-LATTY MFG. CO. (THE), 8500 Madison av, Cleveland, O.
See adv index at end of book
Lake Erie Bolt & Nut Co., ft of E 63d, Cleveland, O.
Lamson & Sessions Co., 2188 Scranton rd, S W, Cleveland, O.
Lanman, E. B., Co., E. Chicago, Ind.
Lanz, M. Bolt, Co., 2907H Carson, Pittsburgh, Pa.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Lebanon Iron Co., Dept. H Lebanon, Pa.
Maryland Bolt & Forge Co., Mt. Washington, Baltimore, Md.
Milton Mfg. Co. (Square & Hexagon), Milton, Pa.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
National Bolt & Nut Co., 6338 Butler, Pittsburgh, Pa.
Neely Nut & Bolt Co., 26 S 22nd, Pittsburgh, Pa.
New Haven Screw Co. (To Order), 191-193 Foster, New Haven, Conn.
See adv index at end of book
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Pottsville Bolt Co., Pottsville, Pa.
Republic Iron & Steel Co., Youngstown, O.
See Branch Offices Alphabetical Section
Rockford Bolt Co. (Square & Hexagon), 60 Mill, Rockford, Ill.
Russell Burdsall & Ward Bolt & Nut Co. (Jobbers), Dept H, Port Chester, N. Y.
St. Louis Screw Co. (Black & Galvanized), Clarence av E, St. Louis, Mo.
Scranton Bolt & Nut Co. (Square & Hexagon), Scranton, Pa.
Smith David H. & Sons, foot of 51st, Brooklyn, N. Y.
See adv index at end of book
Southern California Iron Steel Co., 4th & Mateo, Los Angeles, Cal.

10207— Nuts (Ivory)

Am. Trading Co., 25 Broad, New York
Calvet Pablo & Co., 99 Water, New York

10208— Nuts (Joint)

Bethlehem Steel Co., So. Bethlehem, Pa.
Bourne-Fuller Co., Hanna bldg, Cleveland, Ohio
Gary Screw & Bolt Co. (Cold Punched), Gary, Ind
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Milton Mfg. Co., Milton, Pa.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
Republic Iron & Steel Co., Youngstown, O.
See Branch Offices Alphabetical Section.
Rhode Island Tool Co., Providence, R. I.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.
Smith Thos. Co., Worcester, Mass.

10209— Nuts (Knurled)

Ansonia Mfg. Co. (Brass), H River rd, Ansonia, Conn.
Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
Corbin Screw Corporation (Thumb), New Britain, Conn.
Coulter-Curtis Screw Co. Inc., 17H Gull, Buffalo, N. Y.
Detroit Screw Works, 348 Franklin, Detroit, Mich.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Hill-Smith Metal Goods Co., 102 Brookline av, Boston, Mass.
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
New Haven Screw Co., 199 Foster, New Haven, Conn.
See adv index at end of book
Peninsular Milled Screw Co., 4646 Lawton, Detroit, Mich.
Rochester Machine Screw Co., 15 Caledonia av, Rochester, N. Y.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
Western Automatic Mach. Screw Co., Elyria, O.
Western Screw Products Co., 19 St. George, St. Louis, Mo.
Zeigler Mfg. Co., Alexandria, Ind.

10210— Nuts (Large)

Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
Johnston & Jennings Co., Addison rd & N. Y. C. R. R., Cleveland, O.
Lake Erie Bolt & Nut Co., 905 E 63rd, Cleveland, O.
Milton Mfg. Co. (For Heavy Steam, Electrical Machinery, Bridges, etc), Milton, Pa.
National Bolt & Nut Co., 6338 Butler, Pittsburgh, Pa.
Neely Nut & Bolt Co., 26 S 22nd, Pittsburgh, Pa.
Pollak Steel Co., Cincinnati, Ohio
Russell Burdsall & Ward Bolt & Nutt Co., Dept H, Port Chester, N. Y.

10211—Nuts (Machine Screw)

Ansonia Mfg. Co. (Brass), H River rd, Ansonia, Conn.
American Screw Co. (Tapped), 21 Stevens, Providence, R. I.
Atlas Bolt & Screw Co. (Brass & Iron), 1130 Ivanhoe rd, Cleveland, O.
Berry Bros., Columbus, O.
Bourne-Fuller Co., Hanna bldg, Cleveland, Ohio
Clark Bros. Bolt Co., Millidale, Conn.
See adv index at end of book
Corbin Screw Corporation, New Britain, Conn.
Detroit Screw Works, 348 Franklin, Detroit, Mich.
Greer, Frederic, 2608 Flournoy, Chicago, Ill.
Hartford Machine Screw Co., Hartford, Conn.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Ireland & Matthews Mfg. Co., Beard & Chatfield, Detroit, Mich.
Lake Erie Bolt & Nut Co., ft of E 63d, Cleveland, O.
Moore Franklin Co., Winsted, Conn.
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
NATIONAL SCREW & MFG. CO., THE, 2440 E 75th, Cleveland, O.
See adv index at end of book
New England Screw Co., 44 Farnsworth, Boston, Mass.
Pheoll Mfg. Co. (Brass, Copper, Iron, Steel & Zinc), 3700 W 12th, Chicago, Ill.
Progressive Mfg. Co., Torrington, Conn.
Reed & Prince Mfg. Co. (Iron & Brass, Square & Hexagon), Worcester, Mass.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
U. S. Automatic Co., Amherst, O.
Waltham Screw Co., Waltham, Mass.
Western Automatic Machine Screw Co., Elyria, O.
Western Screw Mfg. Co., 4413-23H West Kinzie, Chicago, Ill.

10211a— Nuts (Milled)

Everitt Co. ("U. S. Standard"), 267 Franklin, Boston, Mass.
See adv index at end of book
NEW HAVEN SCREW CO., 199 Foster, New Haven, Conn.
See adv index at end of book
Russell Burdsall & Ward, Bolt & Nut Co., Dept H, Port Chester, N. Y.
Western Screw Products Co., 19 St. George, St. Louis, Mo.
Zeigler Mfg. Co., Alexandria, Ind.

10211b—Nuts (Monel Metal)

Autoscrew Co., 355 W Broadway, N. Y.
American Bolt Corp., 17 Battery pl, New York
Atlas Bolt & Screw Co., Cleveland, O.
Bell Co., The, Buffalo, N. Y.
Brown McLaren Mfg. Co., Detroit, Mich.
Buffalo Bolt Co., N Tonawanda, N. Y.
Chicago Nut Mfg. Co., 2513 W 20th, Chicago, Ill.
Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
Champion Mfg. Co., 7332 Kimbark av, Chicago, Ill.
Clark Bros. Bolt Co., Millvale, Conn.
Eagle Brass Foundry Co., 21 Spokane, Seattle, Wash.
Everitt Co., 275 Franklin, Boston 9, Mass.
Gaskell & Son, Wm., Brooklyn, N. Y.
Haskell Mfg. Co., Wm., 50 Church, New York and Pawtucket, R. I.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Lamson & Sessions, Cleveland, O.
Merrill Bros., Maspeth, L. I., N. Y.
Morrow Screw & Nut Co., John, Ingersoll, Ontario, Can.
Pacific Foundry Co., Harrison — 18th, San Francisco, Cal.
National Acme Co., Cleveland, O.
Penn Tack Co. (Stud Bolts Only), Norristown, Pa.
Pittsburgh Screw & Bolt Co., Pittsburgh, Pa.
Progressive Mfg. Co., Inc., Torrington, Conn.
Russell, Burdsell & Ward Nut & Bolt Co., Port Chester, N. Y.
St. Louis Screw Co., St. Louis, Mo.
Schwartz Mill Supply Co., Inc., Edward, 520 Toulouse, New Orleans, La.
Sholes, Inc., 186 Lafayette, New York
Smith Co. Thomas, Worcester, Mass.
Steel Co. of Canada, Ltd., Swansea, Ont., and Montreal, Quebec
Steel Products Mfg. Co., Cicero, Ill.
Steel Sales Corp., 129 S Jefferson, Chicago, Ill.
Tull Rubber & Sup. Co. J. M., 150 Marietta, Atlanta, Ga.
Whitehead Metal Products Co., 67 Washington, N Boston, Mass.
Whitehead Metal Products Co. of New York, Inc., 261 Canal, New York
Williams & Co., Inc., 901 Pensylvania av, Pittsburgh, Pa.

10212— Nuts or Collars

Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
Coulter-Curtis Screw Co., Inc., 17H Gull, Buffalo, N. Y.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Precision Metal Workers ("Pull-Easy" Collar), 3100 Carroll av, Chicago, Ill.
Rhode Island Tool Co., Providence, R. I.
Rochester Machine Screw Co., 15 Caledonia av, Rochester, N. Y.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
Smith Thos. Co., Worcester, Mass.
Western Automatic Machine Screw Co., Elyria, O.
Western Screw Products Co., 19 St. George, St. Louis, Mo.
Zeigler Mfg. Co., Alexandria, Ind.

10213—Nuts (Phosphor Bronze)

Curtis Screw Wks., Buffalo, N. Y.
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Phosphor Bronze Smelting Co., 2202 Washington av, Phila., Pa.
Russell Burdsall & Ward Bolt & Nut Co., Dept H, Port Chester, N. Y.
Zeigler Mfg. Co., Alexandria, Ind.

10214— Nuts (Pipe Sleeve)

Bethlehem Steel Co., So. Bethlehem, Pa.

10215—Nuts (Planer Head Bolt)

Detroit Screw Works, 348 Franklin, Detroit, Mich.
Gary Screw & Bolt Co., Gary, Ind.
National Acme Co., 7500 Satonton av, S E, Cleveland, O.
Rochester Machine Screw Co., 15 Caledonia av, Rochester, N. Y.
Russell Burdsall & Ward Bolt & Nut Co., Dept H, Port Chester, N. Y.

10215a— Nuts (S. A. E.)

Ansonia Mfg. Co. (Brass), H River rd, Ansonia, Conn.
Atlantic Mfg. Co. (To Order), Milford, Conn.
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O.
Bourne Fuller Co., Hanna bldg., Cleveland, Ohio
Harper F. C. Screw Wks., 29 S Clinton, Chicago, Ill.
Hill Pump Valve Co. (Standard, Plain & Castellated), 4601-21 Belmont av, Chicago, Ill.
Lamson & Sessions Co., 2138H Scranton rd, Cleveland, O.
New Haven Screw Co., 199 Foster, New Haven, Conn.
See adv index at end of book
Reed & Prince Mfg. Co., Dept. H, Worcester, Mass.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
Sherman-Klove Co., 4649 W. Harrison, Chicago, Ill.
Western Screw Products Co., 19 St. George, St. Louis, Mo.
Zeigler Mfg. Co., Alexandria, Ind.

10216—Nuts (Semi-Finished)

Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O.
Bethlehem Steel Co., So. Bethlehem, Pa.
Bourne Fuller Co., Hanna bldg., Cleveland, Ohio
Brightman Nut & Mfg. Co., Sandusky, O.
Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
Cincinnati Screw Co., Twightwee, Cincinnati, O.
Clark Bros. Bolt Co., Millidale, Conn.
See adv index at end of book
Corbin Screw Corporation, New Britain, Conn.
Coulter-Curtis Screw Co. Inc., 17H Gull, Buffalo, N. Y.
Fischer & Hayes Rope & Steel Co., 816 W Erie, Chicago, Ill.
Garland Nut & Rivet Co., Lawrence county, West Pittsburgh, Pa.
Gary Screw & Bolt Co., Gary, Ind.
Graham Nut Co., 1317 W Carson, Pittsburgh, Pa.
Hartford Machine Screw Co., Hartford, Conn.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Lake Erie Bolt & Nut Co., ft of E 63d, Cleveland, O.
Lamson & Sessions Co., 2138H Scranton rd, Cleveland, O.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Milton Mfg. Co., Milton, Pa.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
National Bolt & Nut Co., 6338 Butler, Pittsburgh, Pa.
National Screw & Mfg. Co., The, 2440 E 75th, Cleveland, O.
See adv index at end of book
Neely Nut & Bolt Co., 26 S 22nd, Pittsburgh, Pa.
Niagara Screw Co., Buffalo, N. Y.
Nolte Screw Machine Products Co., 1536 Freeman av, Cincinnati, O.
Pawtucket Mfg. Co., Pawtucket, R. I.
Peerless Nut Co., 4300 Perkins av, Cleveland, O.
Peninsular Milled Screw Co., 4646 Lawton, Detroit, Mich.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Rhode Island Tool Co., Providence, R. I.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
Western Automatic Mach. Screw Co., Elyria, O.
Western Screw Products Co., 19 St. George, St. Louis, Mo.
Zeigler Mfg. Co., Alexandria, Ind.

10217— Nuts (Sleeve)

American Bridge Co., 30 Church, New York
Ansonia Mfg. Co. (Brass), H River rd, Ansonia, Conn.
Bethlehem Steel Co., So. Bethlehem, Pa.
Bourne Fuller Co., Hanna bldg., Cleveland, Ohio
Coulter-Curtis Screw Co. Inc., 17H Gull, Buffalo, N. Y.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Merrill Bros., 3 Arnold, Maspeth (Boro. of Queens), N. Y.
See adv index at end of book
Moran Bolt & Nut Mfg. Co., 1st & Florida St. Louis, Mo.
Republic Iron & Steel Co., Youngstown, O.
See Branch Offices Alphabetical Section
Rhode Island Tool Co., Providence, R. I.
Rochester Machine Screw Co., 15 Caledonia av, Rochester, N. Y.
Russell Burdsall & Ward Bolt & Nut Co., Dept H, Port Chester, N. Y.
Steel Car Forge Co. Frick bldg, Pittsburgh, Pa.
Western Screw Products Co., 19 St. George, St. Louis, Mo.

Nuts (Slotted)

See Nuts, Castellated

10217a—Nuts (Square & Hexagon)

Bourne Fuller Co., Hanna bldg., Cleveland, Ohio
Johnston & Jennings Co., Addison rd & N. Y. C. R. R., Cleveland, O.
Kirk-Latty Mfg. Co. (The), 8500 Madison av, Cleveland, O.
See adv index at end of book
Lake Erie Bolt & Nut Co., 905 E 63rd, Cleveland, O.
Lamson & Sessions Co., 2138H Scranton rd, Cleveland, O.
Lanz, M., Bolt Co., 2907H Carson, Pittsburgh, Pa.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Progressive Mfg. Co., Torrington, Conn.
Reed & Prince Mfg. Co., Dept. H, Worcester, Mass.
Russell Burdsall & Ward Bolt & Nut Co., Dept H, Port Chester, N. Y.
St. Louis Screw Co., Clarence & Butler avs, St. Louis, Mo.
Western Screw Products Co., 19 St. George, St. Louis, Mo.
Zeigler Mfg. Co., Alexandria, Ind.

10218—Nuts (Stove Bolt and Rod)

American Screw Co., 21 Stevens, Providence, R. I.
Atlas Bolt & Screw Co. (Stove Bolt), 1130 Ivanhoe rd, Cleveland, O.
See adv index at end of book
Berry Bros., Columbus, O.
Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
CLARK BROS. BOLT CO., Millidale, Conn.
See adv index at end of book
Corbin Screw Corporation, New Britain, Conn.
Kirk-Latty Mfg. Co. (The), 8500 Madison av, Cleveland, Ohio
See adv index at end of book
Lake Erie Bolt & Nut Co., 905 E 63rd, Cleveland, O.
Lamson & Sessions Co., 2138 Scranton rd, S. W.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
National Marine Lamp Co., Forestville, Conn.
National Screw & Mfg. Co., The, 2440 E 75th, Cleveland, O.
See adv index at end of book
Ohio Nut & Bolt Co., Berea, O.

Reed & Prince Mfg. Co., Worcester, Mass.
Republic Iron & Steel Co., Youngstown, O.
See Branch Offices Alphabetical Section
Russell Burdsall & Ward Bolt & Nut Co., Dept H, Port Chester, N. Y.

10219— Nuts (Tapped)

American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
American Equipment Co., Norristown, Pa.
Ames W. & Co., Jersey City, N. J.
Ansonia Mfg. Co. (Brass), H River rd, Ansonia, Conn.
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O.
Bethlehem Steel Co., So. Bethlehem, Pa.
Bourne Fuller Co., Hanna bldg., Cleveland, Ohio
Brightman Mfg. Co., Columbus, O.
Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
Colorado Fuel & Iron Co., Denver, Colo.
Columbus Bolt Works Co., Columbus, O.
Coulter-Curtis Screw Co. Inc., 17H Gull, Buffalo, N. Y.
Detroit Screw Works, 348 Franklin, Detroit, Mich.
Graham Nut Co., 1317 W Carson, Pittsburgh, Pa.
Harper F. C. Screw Wks, 19 E 8th, Chicago, Ill.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Kirk-Latty Mfg. Co. (The), 8500 Madison av, Cleveland, Ohio
See adv index at end of book
Lamson & Sessions, 2188 Scranton rd, S. W., Cleveland, O.
Lang, M., Bolt Co., 2907H Carson, Pittsburgh, Pa.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Lorain Steel Co., Johnstown, Pa.
Merrill Bros., 3 Arnold, Maspeth (Boro. of Queens), N. Y.
See adv index at end of book
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
National Acme Co., 7500 Stanton av S E, Cleveland, Ohio
National Bolt & Nut Co., 6338 Butler, Pittsburgh, Pa.
Neely Nut & Bolt Co., 26 S 22nd, Pittsburgh, Pa.
Ohio Nut & Bolt Co., Berea, O.
Oliver Iron & Steel Co., Youngstown, Pittsburgh, Pa.
Reed & Prince Mfg. Co., Duncan av, Worcester, Mass.
Republic Iron & Steel Co., Youngstown, Ohio
See Branch Offices Alphabetical Section
Rhode Island Tool Co., Providence, R. I.
Russell Burdsall & Ward Bolt & Nut Co., Dept H, Port Chester, N. Y.
Smith Thos. Co., Worcester, Mass.
Western Automatic Machine Screw Co., Elyria, O.
Western Screw Products Co., 19 St. George, St. Louis, Mo.
Zeigler Mfg. Co., Alexandria, Ind.

10220— Nuts (Telephone)

Greer, Frederic, 2608 Flournoy, Chicago, Ill.
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
Russell Burdsall & Ward Bolt & Nut Co., Dept H, Port Chester, N. Y.
Western Screw Products Co., 19 St. George, St. Louis, Mo.
Zeigler Mfg. Co., Alexandria, Ind.

10221—Nuts (Thumb or Wing)

American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
Am. Brass Products Co. (Wing), Pottstown, Pa.
Ansonia Mfg. Co. (Brass), H River rd, Ansonia, Conn.
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O.
Bethlehem Steel Co., So. Bethlehem, Pa.
Billings & Spencer Co., Hartford, Conn.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Bourne Fuller Co., Hanna bldg., Cleveland, Ohio
Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
Corbin Screw Corporation (Brass, Bronze, Iron & Steel), New Britain, Conn.
Coulter-Curtis Screw Co. Inc., 17H Gull, Buffalo, N. Y.
Detroit Screw Works, 348 Franklin, Detroit, Mich.
Devlin Thos. Mfg. Co., 3d & Lehigh, Phila., Pa.
Eberhard Mfg. Co., C. & P. Ry & Tennyson rd, Cleveland, O.
Garland Nut & Rivet Co., Lawrence county, West Pittsburgh, Pa.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Greer, Frederic, 2608 Flournoy, Chicago, Ill.
Harper F. C. Screw Wks., 19 E 8th, Chicago, Ill.
Harris Samuel & Co. ("Harris"), 114 N Clinton, Chicago, Ill.
Hartford Machine Screw Co., Hartford, Conn.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hill-Smith Metal Goods Co., 102 Brookline av, Boston, Mass.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Kirk-Latty Mfg. Co. (The), 8500 Madison av, Cleveland, Ohio
See adv index at end of book
Lamson & Sessions Co., 2188 Scranton rd, S W, Cleveland O.
Malleable Iron Fittings Co. ("M. I. F. Co." Malleable), Branford, Conn.
Miles Franklin S., 205 Quarry, Phila., Pa.
Moore Drop Forging Co., Springfield, Mass.
National Screw & Mfg. Co., The, 2440 E 75th, Cleveland, O.
See adv index at end of book
Page Storms Drop Forge Co. (Thumb, Drop Forged Steel), Chicopee, Mass.
Peninsular Milled Screw Co., 4646 Lawton, Detroit, Mich.
Petry N. A. Co., Inc. (Wing), 328-34 Randolph, Philadelphia, Pa.
Reed & Prince Mfg. Co. (Wing), Worcester, Mass.
Republic Iron & Steel Co., Youngstown, O.
See Branch Offices Alphabetical Section
Rockford Bolt Co. (Brass), 60 Mill, Rockford, Ill.
Russell Burdsall & Ward Bolt & Nut Co., Dept H, Port Chester, N. Y.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
Stowell Co., The, S. Milwaukee, Wis.
Welch T. F. Co. (Brass), 55 Sudbury, Boston, Mass.
Western Automatic Machine Screw Co., Elyria, O.
Williams J. H. & Co. ("Vulcan" Drop Forged), 400 Vulcan, Buffalo, N. Y.
Wrightsville Hardware Co., Wrightsville, Pa.

10222— Nuts (Tire Bolt)

American Screw Co., 21 Stevens, Providence, R. I.
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O.
Berry Bros., Columbus, O.
Bourne Fuller Co., Hanna bldg., Cleveland, Ohio
Clark Bros., Bolt Co., Milldale, Conn.
See adv index at end of book
Corbin Screw Corporation, New Britain, Conn.
Foster Bolt & Nut Mfg. Co., Union av & E 72nd, Cleveland, O.
Kirk-Latty Mfg. Co. (The), 8500 Madison av, Cleveland, O.
See adv index at end of book
Lamson & Sessions Co., 2188 Scranton rd, S W, Cleveland O.
National Screw & Tack Co., Stanton av av & C. & P. Ry, Cleveland, O.
Ohio Nut & Bolt Co., Berea, O.
Reed & Prince Mfg. Co., Worcester, Mass.
Republic Iron & Steel Co., Youngstown, O.
See Branch Offices Alphabetical Section
Rockford Bolt Co., 60 Mill, Rockford, Ill.
Russell Burdsall & Ward Bolt & Nut Co., Dept H, Port Chester, N. Y.

10223— Nuts (Top Prop)

Brewer-Titchener Corp., The ("Pioneer"), Cortland, N. Y.
Monarch Carriage Goods Co. ("Monarch"), Cincinnati, O.
Neider F. A. Co., Augusta, Ky.
Russell Burdsall & Ward Bolt & Nut Co., Dept H, Port Chester, N. Y.

10224— Nuts (Weldless Eye)

Billings & Spencer Co. ("B. & S." Drop Forged), Hartford, Conn.

Nuts (Wing)

See Nuts, Thumb or Wing

10225—*Nuts & Buttons (Leather)

Barwood L. J. Mfg. Co. ("Barwood" for Player Pianos), Stoneham 80, Boston, Mass. *See adv index at end of book*

10226— Oakum

American Mfg. Co., Noble & West, B'rklyn, N. Y.
Bishop Robert Mfg. Co., 157 W Sixth, South Boston, Mass.
Broderick & Bascom Rope Co. (Jobbers), 805 N. Main, St. Louis, Mo.
Carpenter & Co. Geo. B., 434 N Wells, Chicago, Ill.
See adv index at end of book
Chelsea Fibre Mills, 295 5th av, New York
Daniels C. R. Inc., 115 South, New York
Davey W. O. & Sons, 169 Laidlaw av, Jersey City, N. J.
Fitler Edwin H. Co., 517 Arch, Phila., Pa.
Hoffman-Corr Mfg. Co., 313 Market, Phila., Pa.
Hooven & Allison Co., Xenia, O.
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
Marine Mfg. & Supply Co., 158 South, New York
Meagher's Jas. Sons, 1625 San Bruno, San Francisco, Cal.
New York Cordage Co., 123 Front, New York
Peter & Guckenberger, 1305 Budd, Cincinnati, O.
Robinson & Jans, Winthrop, Minn.
Stratford Geo. Oakum Co., Cornelison av, Jersey City, N. J.
Upson-Walton Co., The, 1100 11th, Cleveland, Ohio
Wall Rope Work Inc., 48 South, New York
Winne F. W. & Son, 237 Market, Phila., Pa.
Woolford N. B. Oakum Co., 601 S Luzerne av, Baltimore, Md.

10227— Oars (Boat)

Allen Fred A. Sportsman's Specialty Co., (Bow Facing Oars), Monmouth, Ill.
ANCHOR SAW MILLS CO., 434 Washington, New York
Angley & Cole, Brewer, Me.
Bayless Mfg. Co. ("Arrow," "No. 1" Ash), 440 N Main, Memphis, Tenn
Brown W. F. & Sons, Denham Springs, La.
De Grauw Aymar & Co. ("Crown," Ash & Spruce), 34 South, New York
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Keenan Thos. R. (Spoon Oars), 249 Jefferson, San Francisco, Cal.
Lease, G. D. & W. J., Jeffersonville, Vt.
Moorman Eli S. & Son, Plaquemine, La.
New York Boat Oar Co. ("Ezekiel Page" Brand), 100 Washington, New York
Rushton, S. P., Canton, N. Y.
Strand Martin A., New Richmond, Wis.
Stryker Boat-Oar & Lumber Co., Stryker, O.
Upson-Walton Co. (Ash), 1294 W 11th, Cleveland, Ohio
Wilsey & Shaffer Mfg. Co., Vicksburg, Miss.

10228— Oatmeal

See also Food Cereal, Prepared, etc.

Corno Mills Co., International Life bldg, St. Louis, Mo.
H-O Cereal Co., 54 Fulton, Buffalo, N. Y.
Hecker-Jones-Jewell Milling Co., 48 Cortlears, New York
National Oats Co., Cedar Rapids, Ia.
Purity Oats Co., Keokuk, Ia.

10229— Oat Cleaners

Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Owens, J. L. Co., Fulton & S E Huron, Minneapolis, Minn.
Smith, F. P. Wire & Iron Works ("Higbie"), 2340-48 Clybourn av, Chicago, Ill. *See adv index at end of book*
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book

10230— Ochres

Cherokee Ochre Co., Cartersville, Ga.
Chrystal Chas. B. Co. Inc. (Imp.), 13 Cliff, New York *See adv index at end of book*
Fergusson Alex. C. Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
General Commercial Co. Ltd. of U. S. (Imp.), 90 W B'way, New York
Georgia-Peruvian Ochre Co. (Miners & Mfrs.), 165 B'way, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Lyons S. C. & Bros., Bennington, Vt.
Mepham Geo. S. & Co., 20th & Lynch, East St. Louis, Ill.
National Sales & Trading Co. (Yellow French), Cleveland, O.
New Riverside Ochre Co., Cartersville, Ga.
Osborn C. J. Co. (French Imported), 132 Nassau, New York
Patton Paint Co. (White, Gray, etc.), Milwaukee, Wis.
Reichard-Coulston Co. (Imp), 95 Madison av, New York
Smith J Lee & Co. (Golden & French), 19 Jacob, New York
Wilbur J. Co., Providence, R. I. Factory: E Tioga, Phila., Pa.
WILLIAMS C. K. & CO. ("Anchor Brand"), Easton, Pa.
See adv index at end of book

10231-2-3—Oculometroscopes

Meriden Optical & Jewelry Co., Meriden, Conn.
Spencer Optical Co., 5 Maiden la., New York

Odometers

See Meters, Distance Recording

Office Building Directories (Changeable)

See Building Directories, Changeable

10234— *Office Supplies

Grammes & Sons, Inc., L. F., 365 Union, Allentown, Pa.
See adv index at end of book



Everything from pins to filing cabinets, including Typewriter Supplies and Rubber Stamps. Also, Shipping, Factory and Warehouse Supplies. Ask for our catalog
L. F. GRAMMES & SONS, INC.
365 Union Street Allentown, Pa.

10235— Ohmeters

Biddle James G. ("Megger" Direct Reading, Imported), 1211 Arch, Phila, Pa.
Du Vivier Ernest H. (Imp.), 30 Church, New York
Leeds & Northup Co., 4901 Stenton av, Phila., Pa.
Roller-Smith Co. ("Roller-Smith"), 233 B'way, New York
Weston Electrical Instrument Co., Waverly Park, Newark, N. J.

10236— *Oil Airoilene

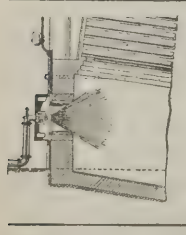
CHICAGO PNEUMATIC TOOL CO., 6 E 44th, New York
See adv index at end of book

Oil Board (Stencil)

See Boards (Stencil)

10236a—Oil Burning Systems

Bethlehem Shipbuilding Corporation, Ltd. (Bethlehem Dahl" Mechanical), Bethlehem, Pa.
Blue Flame Burner Co., 66½ 6th, Portland, Ore.
Burnett-Larsh Mfg. Co., Dayton, Ohio
Chicago Brick Machinery Co., 2825 W Harrison blvd, Chicago, Ill.
Coen Co. Inc. ("Coen" Mechanical), 112 Market, San Francisco, Cal.
Collar Oil Burner Co., 224 Webster, Oakland, Cal.
Engineer Co., 17 Battery pl, New York
Fess System Co., 222 Natoma, San Francisco, Cal.
INGLE MFG. CO. ("Valjean Process"), 643-49 G, San Diego, Cal.
JOHNSON S. T. CO. ("Johnson's" Low Pressure Air & Rotary Crude Oil Burners), 1337 Mission, San Francisco, Cal.
Leahy Mfg. Co., 1804 E 8th, Los Angeles, Cal.
National Air Oil Burner Co. (Equipment), 9th & Thompson, Phila., Pa.
Rainier Machine & Supply Co. ("Crombie"), 2462 1st av S, Seattle, Wash.
ROTARY MFG. CO. ("Rotary"), 1526 Santa Fe av, Los Angeles, Cal.
Schurs Oil Burner Co., 5332 Santa Fe av, Los Angeles, Cal.
SCHUTTE & KOERTING CO., 1251 N. 12th, Philadelphia, Pa.
See adv index at end of book


Complete equipment including Oil Heaters, Pumps, Strainers, Burners, etc. Several types to meet every requirement. *Catalog 16-O*
Schutte & Koerting Co.
1251 North 12th Street
Philadelphia, Pa.

STAPLES & PFEIFFER ("S. & P." Steam, Air & Mechanical Types), 528 Bryant, San Francisco, Cal.

10237— Oil Cloth Mfrs.

See also Linoleum Manufacturers

Bailey's C. M. Sons & Co. (Floor), Winthrop, Me.
Blabon Geo. W. Co. ("Var Cloth" Floor), 21st & Huntington pike, Philadelphia, Pa.
Certain-teed Products Co. ("Certain-teed"), Boatmans Bank bldg, St. Louis, Mo.
Chandler Oil Cloth & Buckram Co. (Table, Shelf & Enameled), Dept H, E Taunton, Mass.
Congoleum Co. (Floor Oil Cloth & Rugs), Morris bldg., Phila., Pa.
Dunn J. C. & Co. (Floor), Camden, N. J.
Goodlatte T. R. & Sons Inc., Delawanna av, Delawanna, N. J.
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa.
See adv index at end of book
Landers Bros. Co., Toledo, O.
Monarch Rubber & Oil Cloth Co. (Carriage), Drexel bldg, Philadelphia, Pa.
Nairn Linoleum Co. (Floor), Kearny, N. J.
O'Bannon Co. (The), 200 Fifth av, New York
Sampson, Alden & Sons (Floor), 320 B'way, New York
Standard Textile Products Co. ("Meritas" Table, Also Shelf, Stair & Carriage), 320 B'way, New York
Taunton Oil Cloth Co., Taunton, Mass.
Upson-Walton Co., The, 1100 W 11th, Cleveland, O.
Wadsworth & Woodman Co., Winthrop, Me.

10238—Oil Colors (Artists')

Devoe & Raynolds Co., Inc. (In Collapsible Tubes), 101 Fulton, New York
Ruxton Philip, Inc., 220 W 42nd, New York
Sartorius A. & Co. ("Oleo"), 32 Union sq, New York
WEBER F. CO., 1220 Buttonwood, Phila., Pa.
Winsor & Newton, 31 E 17th, New York

10238a—*Oil Conservator (Transformer)

GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book

10238b—*Oil Country Tubular Goods (Genuine Wrought Iron)

BYERS A. M. CO. (Line Pipe, Oil Well Casing, California XL Casing, Oil Well Tubing, External Upset Oil Well Tubing, Standard Drill Pipe, Special Rotary Drill Pipe, Interior Upset Rotary Drill Pipe, Standard Drive Pipe, California Drive Pipe), 235 Water, Pittsburgh, Pa.
See adv index at end of book

Oil Cups

See Lubricators, Oil & Grease Cup

10238c— Oil Cups, Glass, Sight Feed, Signal Stop

Diamond Specialty Supply Co., 15 N 6th, Phila., Pa.
LUNKENHEIMER CO. ("Cardinal," "Sentinel" & "Reserve"), Beekman & Waverly, Cincinnati, O.
See adv index at end of book
Nugent Wm. W. & Co., 416 N. Hermitage, Chicago, Ill.

Oil Duck

See Duck (Oiled)

10239— Oil Filters

Burt Mfg. Co., 40 Main, Akron, O.
See adv index at end of book
GENERAL ELECTRIC CO. (Transformer), Schenectady, N. Y.
See adv index at end of book
Nugent Wm. W. & Co., 416 N. Hermitage, Chicago, Ill.

10240—Oil Hole Covers & Cups

BAY STATE STAMPING CO. ("Bennett Handy" Self Closing"), 380 Chandler, Worcester, Mass.
See adv index at end of book
Bossert Corp., The (Hand), cor. Linden & West av, Utica, N. Y.
Bowen Corp. ("Winkley"), Detroit, Mich.
BOWEN PRODUCTS CORP. Divs. Auburn, N. Y.; Detroit, Mich.; Cleveland, O.; Minneapolis, Minn. & Windsor, Ont. Auburn, N. Y.
See adv index at end of book
Gits Bros. Mfg. & Spec. Co. ("Gits"), 1901 S Kilbourn, Chicago, Ill.
Harvard Electric Co., 2608 Flournoy, Chicago, Ill.
Osgood J. L. Tool Co., Buffalo, N. Y.
Tucker W. B. & C. E. ("Tucker two-piece), 191 Franklin, Hartford, Conn.

10240a— *Oil (Hydraulic)

Aldrich Pump Co., Allentown, Pa.
Elmes Chas. F. Engineering Works, cor. Fulton and Sangamon, Chicago, Ill.
See adv index at end of book

10240b— *Oil of Mirbane

DU PONT E. I. DE NEMOURS & CO., INC., Dyestuffs Dept., Wilmington, Del.
See adv index at end of book

10240c— *Oil-of-Salt

MOSSO C. A. LABORATORIES, INC. (Forty years ago we introduced OIL-OF-SALT to a few manufacturers. They used it, liked it, and bought more. Other manufacturers heard of it and likewise provided it for their factories. And so it grew in reputation. Today its use has spread to thousands of the largest manufacturers in the world, any of whom will testify to its merits as a practical, effective First Aid Dressing.
OIL-OF-SALT is harmless and non-irritating, yet offers every "First Aid" requirement in one bottle.
Use OIL-OF-SALT faithfully. Never neglect an injury of any character. The smallest cut, seemingly of little importance, is fully as treacherous as the deepest cut or the most serious injury. To understand that you have but to consider statistics, which prove that over 87% of all compensation paid by liability insurance companies is due directly to minor cuts, lacerations and similar injuries. Do not hesitate to use it for any condition. It is harmless and can be used with perfect safety.
OIL-OF-SALT is used with positive results by government, city, and fire department officials, and by hospital authorities in the general manufacturing and transportation fields.
A request on your letterhead will bring a sample free.) 214 S Leavitt, Chicago
See adv index at end of book

Oil of Vitriol

See Acid-Sulphuric

Oil Pumps

10241—Oil Reclaiming Systems

Bowser S. F. & Co., Ft. Wayne, Ind.
Nugent Wm. W. & Co., 416 N. Hermitage, Chicago, Ill.

See Pumps (Oil)

10242— Oil Refineries Complete (Constructors of)

Graver Corp., 4020 Todd av, E Chicago
See adv index at end of book
Southwestern Condenser Co., 606 S Hill, Los Angeles, Cal.
Treadwell H. M. Co., 140 Cedar, New York
WESTERN GAS CONSTRUCTION CO., 1431 Buchanan, Ft. Wayne, Ind.

10243— Oil-Soluble Colors

Behlen H. & Bro. (For Coloring Illuminating Oils & Greases, etc), 10 Christopher, New York
Metz H. A. & Co., Inc., 122 Hudson, New York

10244—Oil Spread & Hot Roller

Hvass Chas. & Co. (for Oiling Roads), 508 E 19th, New York

Oil Stains

See Wood Stains

Oil Stones

See Stones, Oil & Water

10245—Oil Storage Systems

Am. Oil Pump & Tank Co., Findley & Dalton, Cincinnati, O.
Bowser S. F. & Co. Inc., Fort Wayne, Ind.
Cincinnati Rubber Mfg. Co., Norwood, Cincinnati, O.
See adv index at end of book
Fabricated Steel Products Co., Leetonia, O.
Gilbert & Barker Mfg. Co., Cold Springs av, Springfield, Mass.
PETROLEUM IRON WORKS CO. OF OHIO, Sharon, Pa.
See adv index at end of book

10245a— Oil Well Explosives

Atlas Powder Co., Wilmington, Del.
Emsco Tool Co., 70th & Alameda, Los Angeles, Cal.
Giant Powder Co. Cons., San Francisco Cal.

10246—Oil & Gas Well Supplies

American Forge Works (Oil Well Tools), Denver, Colo.
Am. Iron & Supply Co., Marietta, Ohio
American Supply Co., Box 272, Ada, Okla.
American Well & Prospecting Co., Carsicana, Tex.
American Well Works, The, 110 N Broadway, Aurora, Ill.
Anniston Electric Steel Corp., Anniston.
Argo-Vines Mfg. Co., 2446 E 52nd, Los Angeles, Cal.
Armstrong Mfg. Co., Waterloo, Ia.

Associated Supply Co., 79 New Montgomery, San Francisco, Cal.
Associated Well Supply Co., Inc. (Jobbers), 19 Moore, New York
Atlas Supply Co., Muskogee, Okla.
Axelson Machine Co., Boyle av. & Randolph, Huntington Park, Los Angeles, Cal.
Baash-Ross Tool Co., 5512 Boyle av, Los Angeles, Cal.
Baker Casing Shoe Co. ("Baker"), Box 264, Huntington Park, Los Angeles, Cal.
Baker Iron Works, 950 N Broadway, Los Angeles, Cal.
Beeler & Campbell Sup Co., Independence, Kans.
Biggs Pump & Supply Co., Dept. H, Lafayette, Ind.
Boulter Williams & Co., 2316 E 52d, Los Angeles, Cal.
Bovaird Supply Co., Independence, Kans.
Bovaird & Co., Bradford, Pa.
Bovaird & Seyfang Mfg. Co., Bradford, Pa.
Bradford Motor Works, Bradford, Pa.
Bradford Supply Co., Bradford, Pa.
Branchland Supply Co., Huntington, W. Va.
Buck & Stoddard (Dirs.), 215 W 7th, Los Angeles, Cal.
Bunting Iron Wks., Dept. H, 1st National Bank bldg, San Francisco, Cal.
Busch Pipe & Supply Co., 1005 Mateo, Los Angeles, Cal.
California Machinery Co. (Dirs.), 5200 Santa Fe av, Los Angeles, Cal.
Cal. National Supply Co., 147 N Los Angeles, Los Angeles, Cal.
California Well Tool & Machine Works, 1033 Alhambra, Los Angeles, Cal.
Campbell J. G. & W., Butler, Pa.
Childs Jno. Sr., Smiths Ferry, Pa.
Cincinnati Rubber Mfg. Co. (Stuffing Box Rings, Swab Rubbers, etc.), Norwood, Cincinnati, Ohio
See adv index at end of book
Clampitt E. A. Co. (Used), 1037 N Alameda, Los Angeles, Cal.
Clark Supply House, Noblesville, Ind.
Clark & Norton Mfg. Co., Wellsville, N. Y.
Coast Oilfields Supply Co. ("Cosco" Replacement Parts), 822 E 60th, Los Angeles, Cal.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
COLUMBUS SUCKER ROD CO., THE, Columbus, O.
Corlett W. W., Knox, Pa.
Continental Supply Co., The, Post Dispatch bldg, St. Louis, Mo.
Craig Oil Tool Co. (Tool Joints & Drill Collars), Ft. Water, Long Beach, Cal.
Crane Co., 836 S. Michigan av, Chicago, Ill.
See adv index at end of book
Crowell Packer Co., 412 W 1st, Tulsa, Okla.
D. & B. Pump & Supply Co., 101 West av 26, Los Angeles, Cal.
Diamond Drill Contracting Co., 429 1st av, Spokane, Wash.
Dixie Mill Supply Co., 901 Tchoupitoulas, New Orleans, La.
Dresser S. R. Mfg. Co. (Specialties), Bradford, Pa.
Dunn Mfg. Co., Oxnard, Cal.
Dunham, Carrigan & Hayden Co., Kansas & Division, San Francisco, Cal
Emery L. Jr., Bradford, Pa.
Emsco Steel Products Co. ("Emsco"), 7111 S Alameda, Los Angeles, Cal.
Evans Mfg. Co. (Ltd.), Butler, Pa.
Frick-Reid Supply Co., Sandusky & Robinson, Pittsburgh, Pa.
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Grant Forge Shop, 2044 E Vernon av, Los Angeles, Cal.
Grant Tool Co., 1590 N Main, Los Angeles, Cal.
Greenspon's Jos. Sons Iron & Steel Co., 67 Branch, St. Louis, Mo.
Guiberson Corp. ("Guiberson-Crowell" Bottom Water Plug & "Guiberson-Richard" Tubing Catcher), Box 1106, Dallas, Texas
Harman W. E. & Sons, 422 E 3rd, Los Angeles, Cal.
Harper & Reynolds Co., 152 N Main, Los Angeles, Cal.
Hays E. F. & Sons, Chicora, Pa.
Heeter C. M. Sons & Co. Inc., Butler, Pa.
Heller, Aller & Co., Napoleon, O.
Henderson W. K. Iron Works & Supply, Spring & Commerce, Shreveport, La.
Herron R. H. Co. (Mfrs. & Jobbers), Los Angeles, Cal.
Hoch Bros., Chicora, Pa.
Hough Chas. N. Mfg. Co., Franklin, Pa.
Hughes Tool Co. (Rotary Drill Bits), Houston, Tex.
Illinois National Supply Co., Casey, Ill
Independent Steel Corp., 19 Moore, New York
Jarecki Mfg. Co., Erie, Pa.
Jones S. M. Co., Toledo, O.
Kane Supply Co., Kane, Pa.
Keiser Geo. & Co., Muncie, Ind.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Kesselman & Co., Butler, Pa.
Keystone Iron Works, 37th & Santa Fe av,
Keystone Pipe & Supply Co., Butler, Pa.
Keystone Tank & Boiler Works, Butler, Pa.
Los Angeles, Cal.
Larkin & Co., Butler, Pa.
Leidecker Tool Co., Marietta, O.
Leschen A. & Sons Rope Co., St. Louis, Mo.
LINK-BELT COMPANY (Chains & Wheels for Operating Drill), 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Lorraine Gas & Oil Separator Co., Washington bldg., Los Angeles, Cal.
Los Angeles Pump & Supply Co. ("Lapasco" Deep Well Cylinder), 511 E 11th, Los Angeles, Cal.
LUNKENHEIMER CO. Executive offices and factories, Beekman & Waverly, Cincinnati, O.
See adv index at end of book
McDonald A. Y. Mfg. Co., Dubuque, Ia.
Ia.
McDowell W. L., Knox, Pa.
McElwaine Mfg. & Auto Co., Bradford, Pa.
McEvoy J. H. & Co., Houston, Texas
McEvoy Wireless Well Strainer Co., Higgins bldg, Los Angeles, Cal.
McEwen Bros., Wellsville, N. Y.
Macksburg Tool Co., Macksburg, O.
Madsen Iron Works ("Smith & Hess Pitman"), 5529 Bicket, Huntington Park, Cal.
Magee Jno A. Co., Clarion, Pa.
Marion Machine, Foundry & Supply Co., Marion, Ind.
Masseth Packer & Machine Co., Butler, Pa
Midland Supply Co., Dept H, Pawhuska, Okla.
Mills Iron Works (Oil & Water Well), 927 N Main, Los Angeles, Cal.
Mills Machine Co., Vanburen, Ind.
Milton S. G. & Son ("Milton" Pulling Machine for Pulling Rods or Tubing from Wells & Replacing same Ready for Pumping), Franklin, Pa.
Mitchell H. B. & Co., Emlenton, Pa.
Moorhouse G. W., Kinzua, Pa.
Moser Mfg. Co., Kane, Pa.
Myrick Machine Co. (Pumping Machines), Olean, N. Y.
National Supply Co. of Texas, Fort Worth, Texas
National Supply Co., Toledo, O.
National Supply Co., Union Bank bldg, Pittsburgh, Pa.
Norris W. C., Tulsa, Okla.
Novis Bros., Robinson, Ill.
Nunger-Reese Co., Inc. (Jobbers), 811 Mateo, Los Angeles, Cal.
Ohio Pipe Co., Findlay, O
Oil City Engine & Power Co., 638 Seneca, Oil City, Pa.
Oil-Mining Equipment Co. (Dirs.), 2047 Santa Fe av, Los Angeles, Cal.
Oil Tool Service Mfg. Co., Anheim, Cal.
Oil Well Equipment Co., 4950 Santa Fe av, Los Angeles, Cal.
Oil Well Improvements Co. (Roller Oil Savers, Sand Line Caps & Solid Bit-Underreamer), Tulsa, Okla.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa
Okell Well Machinery Co., 151 N Los Angeles, Los Angeles, Cal.
Pacific Oil Tool Co. ("Crowell" Control Head Packer & Tubing Oil Saver), 1928 E 7th, Los Angeles, Cal.
Parkersburg Machine Co., Parkersburg, W Va
Parkersburg Rig & Reel Co., Parkersburg, W. Va.
Pattin Bros. Co., Marietta, O
Petroleum Equipment Co. (Dirs.), 1618 Santa Fe av, Los Angeles, Cal.
Petroleum Supply Co. (Dirs.), 25 W 43rd, New York
Pickett Hardware Co., Warren, Pa.
Picking R. O. Phelan bldg, San Francisco, Cal.
Pike Thos. H. Co., 1506 Santa Fe av, Los Angeles, Cal.
Pittsburgh Supply Co., Pittsburgh, Pa.
Prichard Supply Co., Mannington, W. Va.
Producers Supply & Tool Co., Marietta, O.
Ratigan J. P. (Sucker Rod Elevator, Beam Hangers, etc.), 1213 Santa Fe av, Los Angeles, Cal.
Reid Jos. Gas Engine Co., Oil City, Pa.
Regan Forge & Engineering Co. ("Wigle"), San Pedro, Cal.
Republic Supply Co., Houston, Tex.
Republic Supply Co. (Jobbers), 123 Water, Pittsburgh, Pa.
Rotary Disc Bit Co., 55th & Alameda, Los Angeles, Cal.
Rotary Supply Co. (Dirs.), 1226 E 8th, Los Angeles, Cal.
Rousseville Supply Co., Rousseville, Pa
Sehnerts, Inc. ("Caddo Special"), Shreveport, La.
Shenck Mfg. & Supply Co., Parkers Landing, Pa.
Spang & Co., Butler, Pa.
Specialties Mfg. Co., 2132 Sacramento, Los Angeles, Cal.
Stacy Eugene C. (Load Binders), Tiffin, O.
Stancliff Well Screen & Mfg Co., Houston, Tex.
Standard Pipe & Supply Co., 949 Date, Los Angeles, Cal.
Standard Slotted Pipe Co., Higgins bldg, Los Angeles, Cal.
Standard Supply Co., Scio, O.
Tay Geo. H. Co., 599 Mission, San Francisco, Cal.
Texas Mfg. Co., Fort Worth, Texas
Thompson & Co., Mt. Jewett, Pa.
Trumble Gas Trap Co., Higgins bldg, Los Angeles, Cal.
Tuna Iron & Steel Works, Bradford, Pa.
Union Tool Co. (Complete Equipment), Torrance, Cal.
United Iron Work Inc., Kansas City, Mo.
Wagner Supply Co., Dept. H, Ft. Worth, Texas
Warren Tool & Forge Co. (Oil Well Sucker Rod Elevator), 145 Griswold, **Warren, O.**
See adv index at end of book
Wigle & McBridge, Inc. ("Wigle" Pump Pistons Casing Heads & Sucker Rod Pullers), 41 American av, Long Beach, Cal.
Wilbert John Petroleum Center, Pa
Wilson E. L. Hardware Co., Beaumont, Texas
Wilson Oil Tools Corp., 2301 E Vernon, Los Angeles, Cal.
Wilson & Willard Mfg. Co., 2301 E Vernon av, Los Angeles, Cal.
Woods Chas. M. Co. (Dirss.), 215 W 7th, Los Angeles, Cal.
Wyssbrod E. V. & Co., Findlay, O.
Yeager S. Petrolia, Pa.
Youngstown Sheet & Tube Co. (The), Youngstown, O.
Zahniser Bros. & Sten, Washington, Pa.

10247—Oil & Grease Guns & Syringes

Ayner Raymond C. Co., Burlington, Wis.
Bell Pump & Mfg. Co. ("Bell"), 78 Fort, E., Detroit, Mich.
Bowen Products Corp., Divs.: Auburn, N. Y.; Detroit, Mich.; Cleveland, O.; Minneapolis, Minn.; Windsor, Ont., Can.
See adv index at end of book
Bridgeport Brass Co. (Guns), Dept. H, E Main, Bridgeport, Conn.
Delta Mfg. Co., 9 Delancy, Newark, N. J.
Edelmann E. & Co. ("Jumbo"), 2332 Logan blvd, Chicago, Ill.
Fowler Lamp & Mfg. Co. ("Fowler Yankee." Grease & Oil Guns), 59 E 24th Chicago, Ill.
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Hall Mfg. Co., Harrison, N. J.
Hancock Mfg. Co., Charlotte, Mich.
Haney J. H. & Sons, Omaha, Neb.
Harris D. P. Hdw. & Mfg. Co. ("Rollfast"), 99 Chambers, New York
Judd & Leland Mfg. Co., Clifton Springs, N. Y.
Keystone Engineering Co. ("W. C. L." Guns), 1442 S San Pedro, Los Angeles, Cal.
Knapp Mfg. & Supply Co. (Brass), 241 Water, New York
Korner Engineering Co. (with Meter), 1916 Santa Fe av, Los Angeles, Cal.
Middle States Oil Co., B of L E bldg, Cleveland, O.
Monarch Mfg. Co. ("Monarch" Lubricating), Council Bluffs, Ia
New England Tube & Stamping Co. Inc. ("Col. Stapley"), West Haven, Conn.
N. F. & N. J. Lubricant Co. ("N. F. O." Lubricating Oil Gun), 401 B'way, New York
Noera Mfg. Co., Waterbury, Conn.
Rose Frank Mfg. Co. ("Rose"), Hastings, Nebr.
Rose J. A. Mfg. Co., Hastings, Neb.
Royersford Foundry & Machine Co. ("Sells"), 52 N 5th, Philadelphia, Pa.
Sanford-Day Iron Wks., 612 Dale, Knoxville, Tenn.
Townsend S. P. & Co. ("Townsend"), Orange, N. J.
Western Pacific Sales Co. ("Rothweiler"), 2921 1st av S, Seattle, Wash.

10248— Oiled Silk

Chicago Mica Co. (Cambric Cloth, Oiled Canvas), Campbell, Valparaiso, Ind.
See adv index at end of book
Irvington Varnish & Insulator Co. ("Irvington" for Insulating Purposes), Irvington, N. J.

Oilers (Axle)

See Oilers, Engine and Machine

10249—Oilers (Car Journal Box)

Armstrong Oiler Co. (Automatic), Commonwealth bldg., Phila., Pa.
Fleming J. R. & Son Co., Scranton, Pa.
GEM MANUFACTURING CO. ("Gem" Heavy Welded Steel), Goebel, nr. Fulton, Pittsburgh, Pa.
See adv index at end of book
Handlan-Buck Mfg. Co. ("Aycock"), 210 N. 3rd, St. Louis, Mo.
St. Louis Car Co., 3000 N B'way, St. Louis, Mo.

10250— Oilers (Car Pit)

GEM MFG. CO. ("Gem." Heavy Brazed Steel), Goebel, nr. Fulton, N S, Pittsburgh, Pa. *See adv index at end of book*
Sanford-Day Iron Wks., 612 Dale, Knoxville, Tenn.

(Continued on following page)

Oilers (Car Pit)—Continued

Wall P. Mfg. Supply Co. (Brazed), 705 Preble av, N S, Pittsburgh, Pa.
Walters Mfg. Co., Fulton bldg., Pittsburgh, Pa.

10251— Oilers (Crank Pin)

ALLEN W. D. MFG. CO., 201-211 N Jefferson, Chicago, Ill.
See adv index at end of book
Detroit Lubricator Co. ("Detroit" "Genuine Detroit"), 5938 Trumbull, Detroit, Mich.
LUNKENHEIMER CO. Executive offices & factories, Beekman & Waverly, Cincinnati, O.
See adv index at end of book
Nugent Wm. W. & Co., 416 N. Hermitage, Chicago, Ill.

10252—Oilers (Cross Head Pin)

LUNKENHEIMER CO. ("H.-W."), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
See adv index at end of book
Nathan Mfg. Co., 21 E 40th, New York
Nugent Wm. W. & Co., 416 N. Hermitage, Chicago, Ill.
Powell Wm. Co., 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Richardson-Phenix Co., 331 2nd, Milwaukee, Wis.
Star Brass Mfg. Co. ("Star"), 108 E. Dedham, Boston, Mass.

10253—*Oilers (Eccentric)

LUNKENHEIMER CO. Executive offices & factories, Beekman & Waverly, Cincinnati, O.
See adv index at end of book
Nugent Wm. W. & Co., 416 N. Hermitage, Chicago, Ill.

10254—Oilers (Engine & Machine)

See also Cans, Oil, etc

ALLEN W. D. MFG. CO., 201-211 N Jefferson, Chicago, Ill.
See adv index at end of book
Ansonia Novelty Co. ("Richard" Solderless Bottom), Ansonia, Conn.
Bassick Co. ("Bassick"), 38H Austin, Bridgeport, Conn.
Beereis & Bassick Co., Div. of The Bassick Co., Bridgeport, Conn.
Bloomer R. E. ("Cannon"), Keithsburg, Ill.
Boesch Lamp Co., 962 Mission, San Francisco, Cal.
Boggs Auto Supply Co. ("Kup-Kan"), Fort Dodge, Ia.
Bowen Products Corp., Divs., Auburn, N. Y.; Detroit, Mich.; Cleveland, O.; Minneapolis, Minn. & Windsor, Ont., Can. Auburn, N. Y.
See adv index at end of book
Cannon Oiler Co., Keithsburg, Ill.
Commonwealth Brass Corp., 5781 Commonwealth av, & Ry, Detroit, Mich.
Consolidated Fruit Jar Co., New Brunswick, N. J.
Detroit Lubricator Co. ("Detroit" "Genuine Detroit"), 5938 Trumbull, Detroit, Mich.
Detroit Ship Building Co. (Brass Department), ft. Orleans, Detroit, Mich.
Deverall Perfection Mfg. Co. ("Deverell"), Caton av, Brooklyn, N. Y.
Dover Stamping & Mfg. Co. (Tin & Brass), Cambridge, Mass.
Eagle Mfg. Co. (Railroad, etc), Wellsburg, W. Va.
Essex G. B. Brass Co., 680 Franklin, Detroit, Mich.
GEM MFG. CO. ("Gem" & "Pyramid" Polished Brass & Steel, Bright Finish), Goebel, nr Fulton, N S, Pittsburgh, Pa. *See adv index at end of book*
GEUDER, PAESCHKE & FREY CO. (Pierced Tin & Galvanized Iron Bent & Straight Spout, also Spring Bottom Oilers), 1314-1790 St. Paul av, Milwaukee, Wis. *See adv index at end of book*
Huebel Mfg. Co. (Malleable Iron), 108 Monroe, Newark, N. J.
Ironsides Co. ("Tormay" for Mine Cars), Columbus, O.
Jackson J. W. ("Jackson" Tin Self Closing Engine Oiler), Sharpsville, Pa.
Johnson Mfg. Co., Urbana, O.
Knapp Mfg. & Supply Co. (Engineers' Brass Sets), 241 Water, New York
Lidseen, Gustave ("Lidseen" Positive Force Feed), 332 S. Central av, Chicago, Ill.
Lonergan J. E. Co., 211 Race, Phila., Pa.
Ludlow Mfg. Co., Ludlow, Ky.
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Malleable Iron Fittings Co. ("M. I. F. Co.") (Malleable Iron), Branford, Conn.
Manhattan Brass Co. (Brass & Zinc), 332 E 28th, New York
Mine & Smelter Supply Co. ("McVicar"), 42 B'way, New York
Mooers-Wright Co., 225 5th av, New York
National Enameling & Stamping Co., 411 5th av, New York
National Marine Lamp Co., Forestville, Conn.
Noera Mfg. Co. ("Noera," "Thompson," "Puritan" Brass & Steel, of All Kinds), Waterbury, Conn.
Nugent Wm. W. & Co., 416 N Hermitage, Chicago, Ill.
Pedersen Lubricator Co., 636 1st av, New York
Penberthy Injector Co., 346 Holden av, Detroit, Mich.
Penn Oiler Co. ("Penn." Spun Zinc & Brass), 250 Fulton, New York
Powell Wm. Co. (Glass, Plain & Sight Feed), 2525 Spring Grove av, Cincinnati, O. *See adv index at end of book*
Rich Mfg. Co. (Eccentric), 370 Atlantic av, Boston, Mass.
Richardson-Phoenix Co. (Crank Pin & Telescopic), 131 2nd, Milwaukee, Wis.
Sherwood Mfg. Co., 1709 Elmwood, Buffalo, N. Y.
Vogel Wm. & Bros. ("Metal Craft"), 37 S 9th, Bklyn., N. Y.
Wall P. Mfg. Supply Co. ("Wall's" Vent Pyramid, Steel & Spring Bottom), 705 Preble av, N S, Pittsburgh, Pa.
Walters Mfg. Co. ("M. & L" Sheet Steel), Fulton bldg., Pittsburgh, Pa.
Weaver Mfg. Co. ("Weaver"), Springfield, Ill.
Western Blower Co., 1800 9th av S, Seattle, Wash.
Wilkinson W. H. Co. Inc. (Gas & Steam Engine), West Medway,, Mass.

10255— Oilers (Felloe)

American Scale Co., 517 Delaware, Kansas City, Mo.
Foote J. B. Foundry Co., Fredericktown, Ohio
Gowanda Agricultural Works, Gowanda, N. Y.
Indiana Foundry Co., Indiana, Pa.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
Southern Skein & Fdy. Co., E Lake, Chattanooga, Tenn.
Wagner Mfg. Co., Sidney, O.

10256— Oilers (Felt)

BARWOOD V. H. MFG. CO. ("Barco"), Lynn, Mass.
BRAWLEY T. R., 270 20th, Brooklyn, N.Y.
See adv index at end of book
Continental Felt Co., 64-66 E 11th, New York. *See adv index at end of book*
Monarch Felt Works, 39-45H York, Brooklyn, N. Y.

10257— Oilers (Floor)

Garnet Geo. H. Co. ("Universal"), 911 N Lumber, Allentown, Pa.

10258— Oilers (Hog)

Health Hog Oiler Co., Kenton, Ohio
Hog-Joy System, Springfield, Ill.
Meyer Corporation, Morton, Ill.
Rowe Mfg. Co., Galesburg, Ill.
Shaw, Welsh & Co., Galesburg, Ill.
Sipe Conditioner Mfg. Co. ("Sipes"), 1053 St. Louis av, Kansas City, Mo.
Weldex Mfg. Co., Richmond, Ind.

10259-60—Oilers (Lawn Mower)

Ansonia Novelty Co. ("Richard" Oil), 285 Main, Ansonia, Conn.
Eureka Mfg. Co., Council Bluffs, Iowa
Galesburg Specialty Works, Galesburg, Ill.

10261—Oilers (Locomotive)

Boesch Lamp Co., 962 Mission, San Francisco, Cal.
Dressel Railway Lamp Works, 1360 Park av, New York
Eagle Mfg. Co., Wellsburg, W. Va.
Gem Mfg. Co. ("Gem" Welded Seam), Goebel nr. Fulton, N. S. Pittsburgh, Pa. *See adv index at end of book*
Gray Peter & Sons, Inc. (Engineers' Heavy), 286 3rd, East Cambridge, Mass.
Handlan-Buck Mfg. Co. ("Perfection" Valve), 210 14 N 3rd, St. Louis, Mo.
Jackson J. W. ("Jackson" Oil Can), Sharpsville, Pa.
Johnson Mfg. Co. ("The J," Long Spout), Urbana, O.
Knapp Mfg. & Supply Co., 241 Water, New York
Lidseen, Gustave (Welded Spouts & Handles), 332 S. Central av, Chicago, Ill.
Lonergan J. E. Co. (Piston Rod, Guide Valve, Steam Oilers, etc), 211 Race, Phila., Pa.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Noera Mfg. Co., Waterbury, Conn.
Penberthy Injector Co., 346 Holden av, Detroit, Mich.
Smith of N. Y. Co., 1 Franklin sq, New York
Vogel Wm. & Bros., 37 S 9th, Brooklyn, N. Y.
Wall P. Mfg. Supply Co., 705 Preble av, Pittsburgh, Pa.

10262—Oilers (Locomotive Flange)

Detroit Lubricator Co., ("Detroit" Automatic), 1178 Trumbull, Detroit, Mich.
Ohio Injector Co., 53 W. Jackson, Chicago, Ill.
Ohio Injector Co., Wadsworth, O.

10263-4—Oilers (Loose Pulley)

See also Lubricators

American Lubricator Co., ("American"), Summit & Wabash Ry., Detroit, Mich.
Biggar Brothers, Oneida, N. Y.
Brown Engineering Co. ("Brown"), 110 N. 3rd, Reading, Pa.
Lonergan J. E. Co., 211 Race, Phila., Pa.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McNab & Harlin Mfg. Co. ("Hodges"), Paterson, N. J.
Powell Wm. Co., 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Sexton Machine Co., 308 Pearl, Hartford, Conn.
Van Duzen E. W. Co., 428 E 2d, Cincinnati, O.

10265—Oilers (Mowing Machine)

AMERICAN CAN CO., 120 Broadway, New York *See adv index at end of book*
Ansonia Novelty Co. ("Richard"), 285 Main, Ansonia, Conn.
Eagle Mfg. Co., Wellsburg, W. Va.
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
National Enameling & Stamping Co., 411 5th av, New York
Noera Mfg. Co. ("Noera"), Waterbury, Conn.
Vogel Wm. & Bros., 37 S 9th, Brooklyn, N. Y.
Wall P. Mfg. Supply Co., 705 Preble av, N S, Pittsburgh, Pa.

Oilers (Multiple)

See Lubricators, Multiple Oiling

10265a— Oilers (Pump)

Cannon Oiler Co. ("Cannon"), Keithsburg, Ill.
Chapin R. E. Mfg. Wks., Batavia, N. Y.
Cincinnati Can Co., 426 Culvert, Cincinnati, O.
Delphos Mfg. Co., First & Pierce, Delphos, O.
Lidseen, Gustave, 332 S. Central av, Chicago, Ill.
Nat'l Enameling & Stamping Co., 411 Fifth ave, New York
Noerva Mfg. Co., Waterbury, Conn.

10266— Oilers (Ring)

Bailey-Burruss Mfg. Co., Atlanta, Ga.
BROWN ENGINEERING CO. ("Brown" for Loose Pulleys, etc), 110 N 3rd, Reading, Pa.

10267—Oilers (Self-Closing, Dustproof)

BOWEN PRODUCTS CORP., Divs. Auburn, N. Y., Detroit, Mich., Cleveland, O., Minneapolis, Minn. & Windsor, Ont., Can. *See adv index at end of book*
Brown Spring Oiler Co. ("Vizor"), 6911 Carnegie av S E, Cleveland, O.
LUNKENHEIMER CO. Executive offices & Factories, Beekman & Waverly, Cincinnati, O.
See adv index at end of book

10268—Oilers (Sewing Machines)

Boesch Lamp Co., 962 Mission, San Francisco, Cal.
Bridgeport Brass Co. ("Handy"), E Main, Bridgeport, Conn.
Consolidated Fruit Jar Co., New Brunswick, N. J.
Riley-Klotz Mfg. Co., 17 Mulberry, New ark, N. J.

10269—Oilers (Shaft, Safety)

Hall Mfg. Co., Harrison, N. J.
LUNKENHEIMER CO. Executive offices & factories, Beekman & Waverly, Cincinnati, O.
See adv index at end of book
Nugent Wm. W. & Co., 416 N. Hermitage, Chicago, Ill.
Ricker Mfg. Co. ("Rochester," Ashton Patent), Rochester, N. Y.
Strong, Carlisle & Hammond Co. ("Nugent"), 346 Frankfort av N W, Cleveland, O.

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Goebel, near Fulton Streets, N. S., Pittsburgh, Pa.

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Phillip Gross Hdwe. Co.
John Pritzlaff Hdwe. Co.
Western Iron Stores Co.

10270—Oilers (Spring Bottom)

Ansonia Novelty Co. ("Richard"), 285 Main, Ansonia, Conn.
Eagle Mfg. Co., Wellsburg, W. Va
Gem Mfg. Co. (Brass & Brazed Steel), Goebel nr. Fulton, N. S. Pittsburgh, Pa. *See adv index at end of book*
Wall P. Mfg. Supply Co., 705 Preble av, N S. Pittsburgh Pa.

10271—Oilers (Spring Leaf)

See also Oilers (Sewing Machine)

Brown Spring Oiler Co. ("Brown" & "Relio"), 6911 Carnegie av, S E, Cleveland, O.
Compton Spring Oiler Co., 29 B'way, New York
Jeavons A. N. (& Covers), 1603 Prospect av, Cleveland, O.
Spring Leaf Lubricator Co., Ann Arbor, Mich.

10272— Oilers (Windmill)

Red Cross Mfg. Co. (Automatic), Bluffton, Ind.

10273— Oilers (Zinc, Etc.)

AMERICAN CAN CO., 120 Broadway, New York *See adv index at end of book*
Eagle Mfg. Co., Wellsburg, W. Va.
Vogel Wm. & Bros., 27 9th, Brooklyn, N. Y.

10274— Oiling Devices

CHICAGO PNEUMATIC TOOL CO. (Pneumatic Tool), 6 East 44th, New York *See adv index at end of book*
LUNKENHEIMER CO. Executive offices & factories. Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Nugent Wm. W. & Co. ("Nugent"), 416 N Hermitage, Chicago, Ill.

10275—Oiling Sets (Engineers')

Boesch Lamp Co., 962 Mission, San Francisco, Cal.
Deverall Perfection Mfg. Co. ("Perfection"), Caton av, Brooklyn, N. Y.
Dressel Railway Lamp Works, 3860 Park av, New York
Eagle Mfg. Co., Wellsburg, W. Va.
Hall Mfg. Co., Harrison, N. J.
Knapp Mfg. & Supply Co., 241 Water, New York
Noera Mfg. Co., Waterbury, Conn.
Star Brass Mfg. Co., 53 Oliver, Boston, Mass.
Wall P. Mfg. Supply Co. ("Walls"), 705 Preble av, N S. Pittsburgh, Pa.

10276— Oiling System (Continuous)

Bowser S. F. & Co. (for Turbines), Dept H, Ft. Wayne, Ind.
BURT MFG. CO., 40 Main, Akron, O. *See adv index at end of book*

"BURT"—"WARDEN"
"AMERICAN"
"CROSS"
OIL FILTERS
The Burt Mfg. Co.
40 Main St., AKRON, OHIO

Commonwealth Brass Corp., 5781 Commonwealth av, & Ry, Detroit, Mich.
LUNKENHEIMER CO. Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Nugent Wm. W. & Co., 416 N. Hermitage, Chicago, Ill.
Oil City Boiler Works, Oil City, Pa.

10277—Oils (Acetone, Ketone)

Alcohol Products Co., Blanchard, Newark, N. J.
Cleveland Cliffs Iron Co., Rockefeller bldg, Cleveland, O.
Fergusson Alex. C. Jr., 474 Chestnut, Philadelphia, Pa. *See adv index at end of book*
Industrial Chemical Co., 1414 Fifth Ave bldg, New York *See adv index at end of book*

10277a— Oils (Alizarine)

National Oil Products Co., Harrison, N. J.
Protexol Corp., 41 Barclay, New York *See adv index at end of book*
Western Paper Makers Chemical Co., Kalamazoo, Mich.
Wolf, Jacques & Co., 309 Harrison, Pas-saic, N. J.

10277b— Oils (Almond)

RIDDLE CHEMICAL CO. (Sweet True), 35 S Dearborn, Chicago, Ill. *See adv index at end of book*

10278— Oils (Aniline)

Calco Chemical Co., Bound Brook, N. J.
Chemical Co. of America, 46 Murray, New York
Ciba Co., Inc., 134 Cedar, New York
Cooper & Cooper Inc., 23H Cliff, New York
Fergusson Alex. C. Jr., 474 Chestnut, Philadelphia, Pa. *See adv index at end of book*
Fulper Edw. B., Trenton, N. J.
Farbwerke-Hoechst Co., 122 Hudson, New York
Hunnell & Co. Inc., 136 Liberty, New York
Klipstein A. & Co. (Imp.), 644 Greenwich, New York
Montcalm Chemical Wks., 220 N Illinois, Indianapolis, Ind.
National Aniline & Chemical Co., Inc., 40 Rector, New York
National Sales & Trading Co., Cleveland, Ohio
Naugatuck Chemical Co., Naugatuck, Conn.
Petroleum Products Co., 3917 Neville, Pittsburgh, Pa.
Protexol Corporation (Anthracene), 41 Barclay, New York *See adv index at end of book*
Sergeant E. M. Co., 131 Cedar, New York
Sparks John C., 42 Warren, New York
Suter Eugene & Co., 160 B'way, New York
Western Aniline Products Co. (Also Para-Toluidine, Ortho-Toluidine), Hammond, Ind.

10279— Oils (Animal)

Baugh & Sons Co., 20 S Delaware av, Phila., Pa.
Cook & Swan Co. Inc., 148 Front, New York
Dold Jacob Packing Co., 745 Win, Buffalo, N. Y.
Greenewald Herbert Co. ("H. G."), 1300 Pine, Camden, N. J.
Hartmann Pacific Co. Inc. (Imp.), 80 Wall, New York
Houghton E. F. Co. ("C L."), 240H W Somerset, Phila., Pa.
Loos & Dilworth, 132-34H S. Front, Phila., Pa.
Morris & Co., Union Stock Yards, Chicago, Ill.

10280— Oils (Anti-Froth)

Paper Makers Chemical Co., Easton, Pa.
Providence Drysalters Co., East Greenwich, R. I.

10280a— Oils Aromatic

Industrial Chemical Co. (Cymene), 1414 Fifth Ave bldg, New York *See adv index at end of book*

10280a— Oils (Automobile)

See also Lubricating Oils & Greases

Atlantic Refining Co., 260 S Broad, Phila., Pa.
Auto Oil Co., Jackson, Mich.
Bayerson Oil Works ("Paroline" & "Auto-crat" Motor), Erie, Pa.
Cook & Swan Co. Inc., 148 Front, New York
Cook's Adam Sons ("Albany"), 708H Washington, New York
Emery Mfg. Co., 43 Main, Bradford, Pa.
Empire Oil Works ("Empire"), Oil City, Pa.
Franklin Oil Wks., Franklin, Pa.
Ironsides Co., H Hartman bldg., Columbus, Ohio
Pennsylvania Oil & Refining Co., Oil City, Pa.
Pennzoil Co., Oil City, Pa.
Pigot Sayre Co., 29 B'way, New York
Schilling, Frederick ("Paramount"), 617 Greenwich, New York
Sinclair Refining Co., Conway bldg., Chi-cago, Ill.
Standard Oil Co. ("Calso," "Carnadine," "Transco" & Zerolene"), 225 Bush, San Francisco, Cal.
Sun Co. ("Sunoco"), 1240H Finance bldg, Phila., Pa.
TEXAS OIL COMPANY, THE ("Texaco," the clean, clear, golden colored Motor Oil), Dept. D, 17 Battery pl, New York *See adv index at end of book*
Van Winkle & Van Winkle, Ridgewood, N. J.
Waverly Oil Works Co., 54th, Pittsburgh, Pa.

Oils (Automobile & Motorcycle)

See Lubricants, Automobile

Oils (Axle)

See Greases & Oils, Axle

10280b— Oils (Banana)

Cooper & Cooper Inc., 23H Cliff, New York
Kalbfleisch Corp., 200 5th av, New York
Van Schaack Bros. Chemical Wks., 2358 Avondale, Chicago, Ill.

10281—Oils (Bicycle & Sewing Machine)

Atlantic Refining Co., 3144 Passyunk av, Phila., Pa.
Baird Bros. & So., 1435 W 19th, Cleveland, O.
Borne-Scrymser Co., 17 Battery pl, New York
Cortland Specialty Co. (Dirs.), Cortland, N. Y.
Emery Mfg. Co., Bradford, Pa.
Empire Oil Works, Oil City, Pa. Works: Reno, Pa.
Franklin Oil Wks., Franklin, Pa.
Hollingshead R. M. Co. ("Whiz"), Camden, N. J.
Indian Refining Co., 244 Madison av, New York
National Refining Co., Rose bldg, Cleveland, O.
National Rubber & Specialties Co., Win-ton pl, Cincinnati, O.
Nye Wm. F., New Bedford, Mass.
Penn American Refining Co., Oil City, Pa.
Pennzoil Co., Oil City, Pa.
Pierce Oil Corp., Bank of Com. bldg, St. Louis, Mo
Pittsburgh Oil Refining Co., Pittsburgh, Pa
Pure Oil Co., Lafayette bldg, Phila., Pa.
Sinclair Refining Co., Conway bldg, Chi-cago, Ill.
Sonneborn L. Sons ("Amalie"), 114 5th av, New York
Standard Oil Co. (Sewing Machine), 225 Bush, San Francisco, Cal.
Swan & Finch Co. ("Bayway," "Excelsior," "Eagle"), 522 5th av, New York
Texas Company, The ("Texaco Home" Lubricant in the handy oiler), Dept. D, 17 Battery pl, New York *See adv index at end of book*
Warren Refining Co., Warren, Pa.
Waverly Oil Works Co., 54th & A. V. R. R., **Pittsburgh, Pa.**

10281a— Oils (Black)

Atlantic Refining Co., 260 S Broad, Phila., Pa.
Bell Oil Corp., 111 Broad, New York
Dick David Co., Varick & N Moore, 44 Watt, New York
Franklin Refining Co., Franklin, Pa.
National Gum & Mica Co., 12 West End av, New York
Pennzoil Co., Oil City, Pa.
Seydel Mfg. Co., 88 Forrest, Jersey City, N. J.
Standard Oil Co., 225 Bush, San Francisco, Cal.
Texas Company, The, Dept. D, 17 Battery pl, New York *See adv index at end of book*
Waverly Oil Works Co., 54th & A. V. R. R., Pittsburgh, Pa.

10281b— Oils (Bleaching)

Bosson & Lane, Atlantic, Boston, Mass.
Wolf Jacques & Co., 309 Harrison, Passaic, N. J.

10282— Oils (Boiler)

Pierce Oil Corp., Bank of Com. bldg, St. Louis, Mo.
Standard Oil Co., 225 Bush, San Fran-cisco, Cal.
Talmage Mfg. Co. ("Rubra," for Locomo-tives, etc), 1379 W 3rd, Cleveland, O.
Warren Refining Co., Warren, Pa.

10283— Oils (Butter)

Proctor & Gamble Co., Gwynne bldg., Cincinnati, O.
Southern Cotton Oil Co. ("Sooco"), 120 B'way, New York

10284— Oils (Car Cleaning)

Columbia Refining Co. ("Columbia" Var-nish Cleaner & Preserver), 90 West, New York
Sipe Jas. B. & Co., Dept. H, Bridgeville, Pa.
Texas Company, The, Dept. D, 17 Battery pl, New York *See adv index at end of book*

10285— Oils (Castor)

Adams Fred C. Co., 130 N Wells, Chicago, Ill.
Baker Castor Oil Co., 120 B'way, New York
Bosson & Lane, Atlantic, Mass.
Boyer Kienle Co. Inc., 90 West, New York
Canfield Oil Co. (Vegetable Lubricating), 3210 E 55th, Cleveland, O.
Cook & Swan Co. Inc. (Imported & Domes-tic Grades), 148 Front, New York
Cooper & Cooper Inc., 23H Cliff, New York
Eimer & Amend (Impt.), 205 E 18th, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa. *See adv index at end of book*
Fiebing Chemical Co. (Axle), 240 Reed, Milwaukee, Wis.
Foreign Crucibles Corp. Ltd. (Importers), 831 E 15th, Brooklyn, N. Y.
Fuerst Bros. & Co. (Imported), 2 Stone, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O. *See adv index at end of book*
Hunnell & Co., Inc., 136 Liberty, New York

Houghton E. F. & Co. ("Sulfol"), 240 W Somerset, Phila., Pa.
Kellogg Spencer & Sons, Niagara sq, Buffalo, N. Y.
Magnus, Mabee & Reynard, 257 Pearl, New York
Oil Seeds Co., 35 S William, New York
Pierce Oil Corp., Bank of Com. bldg, St. Louis, Mo.
Riddle Chemical Co. (AA), 35 S Dearborn, Chicago.
See adv index at end of book
Sinclair Refining Co. ("Four Bros"), Albany, N. Y.
Standard Oil Co., 225 Bush, San Francisco, Cal.
Takamine Commercial Corp. (Imp.), 120 B'way, New York
Webb A. L. & Sons, Maryland Trust bldg, Baltimore, Md.
Wolf Jacques & Co. (Selling Agents), Passaic, N. J.

10286—Oils (Castor Machine)

Atlantic Refining Co., 3144H Passyunk av, Phila., Pa.
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Frost F. W. & Co., Inc. (Imp.), 56 Beaver, New York
Indian Refining Co., 244 Madison av, New York
Natl. Refining Co., 1400 E. 9th, Cleveland, Ohio
Nye Wm. F. New Bedford, Mass.
Pennzoil Co., Oil City, Pa.
Pierce Oil Corp., Bank of Com. bldg, St. Louis, Mo.
Sinclair Refining Co., Conway bldg., Chicago, Ill.
Sonneborn L. Sons ("Amalie"), 114 5th av, New York
Standard Oil Co., 200 Bush, San Francisco, Cal.
Sullivan Oil Co. ("Sullivan's" Gumless), 413 N. Wells, Chicago, Ill.
Texas Company, The, Dept. D, 17 Battery pl, New York
See adv index at end of book
Waverly Oil Works Co., 54th & A. V. R. R., Pittsburgh, Pa.

10287—Oils (Cement Floor)

Natl. Refining Co., 1400 E. 9th, Cleveland, Ohio
Pennzoil Co., Oil City, Pa.
Sipe, Jas. B., & Co., Dept. H, Bridgeville, Pa.
Sonneborn L. Sons ("Amalie"), 114 5th av, New York
Texas Company, The, Dept. D, 17 Battery pl, New York
See adv index at end of book

10288—Oils (China Wood, Importers)

Adams Fred C. Co., 130 N Wells, Chicago, Ill.
American Trading Co., 25 Broad, New York
Am. Wood Preserving Co., 3743 N Marshfield av, Chicago, Ill.
Carleton & Moffat (Imp.), 91 Wall, New York
Clark Fred G. Co., 1081 W 11th, Cleveland, O.
Elbert & Co., 27 William, New York
Fearon, Brown Co., 96 Wall, New York
Frost F. W. & Co., Inc. (Imp.), 56 Beaver, New York
Gillespie L. C. & Sons, 8 Fletcher, New York
Gross Otto, 66 Beaver, New York
Hunnell & Co., 136 Liberty, New York
Jardine, Matheson & Co., 35 Madison av, New York
Klipstein A. & Co., 644 Greenwich, New York
Mitsui & Co., 65 B'way, New York
Oil Seeds Co., 35 S William, New York
Paterson, Boardman & Knapp, 10 Bridge, New York
Patterson G. W. S. & Co., 15 E 40th, New York
Peabody H. W. & Co., 17 State. New York
Portage Iron & Wire Co. (For Rubber Factories), 1131 Johnston, Akron, O.
Scheel Wm. H., 179 Water, New York
See adv index at end of book
Swan & Finch Co., 522 5th av, New York
Tappenbeck Wm., 82 Wall, New York
Winterbourne S. & Co., 212 Pearl, New York

10289— Oils (Cochin)

Francesconi J. C. & Co. (Imp), 23 Beaver, New York
Fuerst Bros. & Co. (Importer), 2 Stone, New York
Welch, Holme & Clark Co. ("East India"), 383 West, New York

10290— Oils (Cocoa)

American Trading Co. (Imp), 25 Broad, New York

10291— Oils (Cocoanut)

Adams Fred C. Co. (Ceylon & Cochin Oil), 130 N Wells, Chicago, Ill.
California Cotton Oil Co., 2301 E 52d, Los Angeles, Cal.
Cook & Swan Co. Inc., (Imp. Ceylon Cochin, Philippine Islands & Japan Grades), 148 Front, New York
Cooper & Cooper Inc., 23H Cliff, New York
Darragh Small & Co., Ltd. (Imported), 177 Water, New York
Drew E. F. & Co. (Imp), 88 Broad, Boston, Mass.
Eberhart J. P. & B. Co., 27 William, New York
Edible Products Co., 120 B'way, New York
Elbert & Co., 27H William, New York
El Dorado Oil Works ("Snowflake"), 210 California, San Francisco, Cal.
Fearon, Brown Co. (Imp), 96 Wall, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Francesconi J. C. & Co. (Imp.), 12 Water, New York
Frost F. W. & Co., Inc. (Imp.), 56 Beaver, New York
Fuerst Bros. & Co. (Imported), 2 Stone, New York
Globe Cotton Oil Mills, 907 E 3d, Los Angeles, Cal.
Hollingsworth & Peterson, Lafayette bldg, Phila., Pa.
Hunnell & Co. Inc., 136 Liberty, New York
Link David C. & Co. (Imp), Produce Exchange, New York
McKesson & Robbins (Imp), 91 Fulton, New York
Magnus, Mabee & Reynard (Inc.) (Imp), 257 Pearl, New York
Nucoa Butter Co., 297 4th av, New York
Oil Seeds Co., 35 S William, New York
Pacific Oil & Lead Works, 155 Townsend, San Francisco, Cal.
Paterson, Boardman & Knapp, 10 Bridge, New York
Philippine Refining Corp., 50 Broad, New York
Portland Vegetable Oil Mills Co. (Also Meal), 530 N Front, Portland, Ore.
Riddle Chemical Co. ("Cochin Type"), 35 S Dearborn, Chicago, Ill.
See adv index at end of book
Simon J. & Co. (Imported), 109 John, New York
Suter Eugene & Co., 160 B'way, New York
Swan & Finch Co., (Imptrs.), 522 5th av, New York
Takamine Commercial Corp. (Imp.), 120 B'way, New York
Tennant C. Sons & Co. of N. Y. (Imp.), 19 W 44th, New York
Welch, Holme & Clark Co., 383 West, New York
Winkler Isaac & Bro. Co., 1st Nat'l Bk. bldg., Cincinnati, O.

10292— Oils (Cod)

See also Oils, Fish

Cook & Swan Co. Inc. (Imp.), 148 Front, New York
Greenewald Herbert Co. ("H. G."), 1300 Pine, Camden, N. J.
Harvey & Outerbridge (Imp), 11 B'way, New York
Houghton E. F. Co., 240H W. Somerset, Phila., Pa.
Hunnell & Co., Inc., 136 Liberty, New York
McKesson & Robbins (Imp), 91 Fulton, New York
Norwood Jos. W., Gloucester, Mass.
Swan, Alden S., Co. (Imp.), 148H Front, New York
Swan & Finch Co. (N.F.), 522 5th av, New York
Takamine Commercial Corp. (Imp.), 120 B'way, New York
Young Frank L. Co. (Pure Cod), 111 Purchase, Boston, Mass.

10292a— Oils (Cod Liver)

Cook & Swan Co. Inc. (Imp. Medicinal Non-Freezing Norwegian Process Cod Liver Oils), 148 Front, New York
Hendey Chemical Co., Inc., 342 Madison av, New York
Lathrop H. R. & Co., 116 Beekman, New York
Magnus, Mabee & Reynard, 257 Pearl, New York
Riddle Chemical Co. (Newfoundland, Norwegian), 35 S Dearborn, Chicago, Ill.
See adv index at end of book
Scott & Bowne, Bloomfield, N. J.

10292b— Oils (Cold-Pressed)

Atlantic Refining Co., 260 S Broad, Phila., Pa.

10293— Oils (Core)

See also Compounds, Core

Am. Wood Preserving Co. (Fdry.), 3743 N Marshfield av, Chicago, Ill.
Barrett Co. ("Carbosota" Wood Preserving), 40 Rector, New York
BUCKEYE PRODUCTS CO., INC. ("Anchortite," "Buckey," "Hercules" & "Okay"), 915-917 W 5th, Cincinnati, O.
See adv index at end of book
Cook & Swan Co. Inc., 148 Front, New York
Damascus Mfg. Co., Cassius av, Cleveland, O.
Federal Foundry Supply Co., 2689 E. 79th, Cleveland, O.
Girard Chemical Co., 241 Maurice, Buffalo, N. Y.
Jamestown Paint & Varnish Co., Jamestown, Pa.
Kellogg, Spencer & Sons ("Kellogg" Linseed Base), Buffalo, N. Y.
McCormick J. S. Co., 25th & A. V. R. R. Pittsburgh, Pa.
Mills C. E. Oil Co., Syracuse, N. Y.
National Oil & Supply Co. ("Viscos") 180 Freylinghuysen av, Newark, N. J.
Natl. Refining Co., 1400 E. 9th, Cleveland, Ohio
Nubian Paint & Varnish Co., 1856 Leclaire av, Chicago, Ill.
Paxson J. W. Co., Dept. H, Nicetown lane & D, Phila., Pa.
Pittsburgh Oil Refining Co., Pittsburgh, Pa.
Sexo Specialty Co., 2860 E 84, Cleveland, O.
Sinclair Refining Co., Conway bldg, Cleveland, O.
Springfield Facing Co. ("Springfield Standard"), 315 Main, Springfield, Mass.
See adv index at end of book
Standard Linseed Co. (Linseed), Willey & Big 4 R. R., Cleveland, O.
Standard Oil Co. of N. Y. ("Sacony"), 555 W 25th, New York
Sterling Oil Co. ("Sterling"), Emlenton, Pa.
Stevens Frederic B., Inc., 3rd & Larned, Detroit, Mich.
See adv index at end of book
Sun Co., 1240H Finance bldg, Phila., Pa.
Swan & Finch Co. ("Victory," "Century"), 522 5th av, New York
Texas Company, The, Dept. D, 17 Battery pl, New York
See adv index at end of book
Thompson & Co. ("Lin-O-Core"), 857 W North av, Pittsburgh, Pa.

10294— Oils (Corn)

Adams Fred C. Co., 130 N Wells, Chicago, Ill.
American Hominy Co., 1857 Gent av, Indianapolis, Ind.
American Maize-Products Co., 203 E 12th, New York
Boyer Oil Company, Inc., 25 W B'way, New York
Cook & Swan & Co. Inc., 148 Front, New York
Cooper & Cooper Inc., 23H Cliff, New York
Corn Products Refining Co. ("Paragol" Unadulterated), 17 Battery pl, New York
Douglas Co., Cedar Rapids, Ia.
Eberhart J. P. & B. Co., 27 William, New York
Elbert & Co., 27 William, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Globe Cotton Oil Mills, 907 E 3rd, Los Angeles, Cal.
Hubinger J. C. Bros. Co., 840 Chapel, New Haven, Conn.
Hunnell & Co. Inc., 136 Liberty, New York
Oil Seeds Co., 35 S William, New York
Patent Cereals Co., Geneva, N. Y.
Staley A. E. Mfg. Co., Decatur, Ill.
Union Starch & Refining Co., Edinburg, Ind.
Welch, Holme & Clark Co., 383 West, New York

10295— Oils (Cottonseed)

Accidental Oil Mills, Belton, Texas
Adams Fred C. Co., 130 N Wells, Chicago, Ill.
American Cotton Oil Co. ("I X L"), 239 W 30th, New York
Americus Oil Co., Americus, Ga.
Arcadia Cotton Oil Mill & Mfg. Co., Arcadia, La.
Ashcraft Wilkinson Co., Atlanta, Ga.
Bastrop Cotton Oil Co., Bastrop, La.
Bowdon Oil & Fertilizer Co., Bowdon, Ga.
Boyce Cotton Oil & Mfg. Co., Ltd., Boyce, La.
Boyer Kienle Co. Inc., 90 West, New York
Brenham Compress Oil & Mfg. Co., Brenham, Texas
Brode F. W. & Co., 119 Madison, Memphis, Tenn.
Broussard Oil Mill Co., Ltd., Broussard, La.
Buckeye Cotton Oil Co., 419 E 2nd, Cincinnati, O.
California Cotton Oil Co., 2301 E 52d, Los Angeles, Cal.
Carthage Cotton Oil Co., Carthage, Texas
Coweta Cotton Oil Mill, Newnan, Ga.
Crescent Cotton Oil Co., 2105 Central, Memphis, Tenn.
Cuthbert Oil Co., Cuthbert, Ga.
Dallas Oil & Refining Co., Dallas, Tex.
Delta Oil Co., Greenville, Miss.
De Soto Oil Co., 998 Kansas, Memphis, Tenn.
Dixie Cotton Oil Co., Montgomery, Ala.
Dixie Cotton Oil Mill, Little Rock, Ark.
Donaldsonville Oil Mill, Donaldsonville, Ga.
East St. Louis Cotton Oil Co. ("Illinois"), East St. Louis, Ill.
Elbert & Co., 27 William, New York
Elberton Oil Mills, Atlanta, Ga.

(Continued on following page)

Oils (Cottonseed)—Continued

Empire Cotton Oil Co., Atlanta, Ga.
Eufaula Cotton Oil Co., Eufaula, Ala.
Farmers' Cotton Oil Co., Americus, Ga.
Farmers Cotton Oil Co., Madill, Okla.
Farmers' Cotton Oil & Fertilizer Co., Huntersville, Ala.
Farmers & Ginners' Oil Mill, Austin, Tex.
Farmers' Oil Mill, Royston, Ga.
Fayetteville Oil Co., Fayetteville, Ga.
Fergusson, Alex. C., Jr., 474 Chestnut Philadelphia, Pa.
See adv index at end of book
Field Julian & Co., Atlanta, Ga.
Florida Cotton Oil Co., Jacksonville, Fla.
Fort Valley Oil Co., Fort Valley, Ga.
Fulper Edw. B., Trenton, N. J.
Gayoso Oil Works, Porter pl, Memphis, Tenn.
Globe Soap Co., Walsh bldg, Cincinnati, O.
Gohlston Bros., Comer, Ga.
Grandview Cotton Oil Co., Grandview, Texas
Greenville Cotton Oil & Mfg. Co., Greenville, Ga.
Griffin Oil Mill, Griffin, Ga.
Hamilton Cotton Oil Mill, Hamilton, Tex.
Havens Oil Co., Washington, N. C.
Lange Soap Co., San Antonio, Texas
Lester-Ricks Oil Co., Byronville, Ga.
Magnus, Mabee & Reynard, 257 Pearl, New York
Mandeville Mills, Carrollton, Ga.
Mangum Cotton Oil Mill Co., Mangum, Okla.
Milledgeville Oil Mills, Atlanta, Ga.
Morrilton Cotton Oil Co., Morrilton, Ark.
Morton Oil Mills, Millen, Ga.
National Cotton Oil Co., Montgomery, Ala.
New Roads Oil Mill & Mfg. Co., Newroads, La.
Norden A. & Co. (Imp.), 60 Beaver, New York
Oil Seeds Co., 35 S William, New York
Peoples' Cotton Oil Co., Lafayette, La.
Perkins Oil Co., Memphis, Tenn.
Phoenix Cotton Oil Co., 60 S Front, Memphis, Tenn.
Planters' Chemical & Oil Co., Talladega, Ala.
Planters' Cotton Oil Co., Augusta, Ga.
Portsmouth Cotton Oil Refining Corp., Portsmouth, Va.
Proctor & Gamble Co., Gwynne bldg, Cincinnati, O.
Red River Oil Co., Alexandria, La.
Refuge Cotton Oil Co., Vicksburg, Miss.
Richland Cotton Oil Co., Richland Ga.
Riddle Chemical Co. (Winter Yellow), 35 S Dearborn, Chicago, Ill.
See adv index at end of book
Roberts Cotton Oil Co., Falls bl, Memphis, Tenn.
Rose City Cotton Oil Mill, Little Rock, Ark.
St. Landry Cotton Oil Co., Opelousas, La.
Southern Cotton Oil Co. (& Other Vegetable Oils), 120 B'way, New York
Statesville Cotton Oil Co., Statesville, N. C.
Summerville Cotton Oil Co., Summerville, Ga.
Suter Eugene & Co., 160 B'way, New York
Tennessee Cotton Oil Co., Memphis, Tenn.
Trinity Cotton Oil Co. ("Trinity" Salad Oil), Dallas, Tex.
Union Cotton Oil Co., Fitzgerald, Ga.
United Oil Mills, Hope, Ark.
Upson County Oil Mills, Thomaston, Ga.
Villa Rica Cotton Oil Co., Villa Rica, Ga.
Walker Bros. Co., Griffin, Ga.
Walterboro Cotton Oil Co., Walterboro, S. C.
Welch, Holme & Clark Co., 383 West, New York
Winder Oil Mill Co., Winder, Ga.
Winona Oil & Mfg. Co., Winona, Miss.

10296— Oils (Creosote)

Adams Fred C. Co., 130 N Wells, Chicago, Ill.
Alcatraz Co., Inc., 3200 Williamsburg av, Richmond, Va.
Am. Tar Products Co., 208 S La Salle, Chicago, Ill.
Am. Wood Preserving Co., 3743 N Marshfield av, Chicago, Ill.
Barrett Co. ("Barrett's"), 17 Battery pl, New York
Betts C. G. C., 1202 E Sprague, Spokane, Wash.
City Gas Co., Norfolk, Va.
Cleveland Cliffs Iron Co. (Wood), Rockefeller bldg., Cleveland, O.
Coal Tar Product Co. ("Stag" Brand), 570 Smith, Brooklyn, N. Y.
Compressed Wood Preserving Co., Spring Grove & Station avs, Winton pl, Cincinnati, Ohio
Florida Wood Products Co., Jacksonville, Fla.
General Naval Stores Co., 90 West, New York *See adv index at end of book*
Ga. Pine Turpentine Co. of N. Y., 158 Perry, New York
JORDAN COAL TAR PRODUCTS CO. INC. (& Flotation), 15 Cliff, New York
Klipstein A. & Co. (Imp.), 644 Greenwich, New York
Lewis, F. J., Mfg. Co., Moline, Ill.
Mashek Chemical & Iron Co., Wells, Mich.
Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.
Pacific Phenals Corp., 785 Market, San Francisco, Cal.
Pensacola Tar & Turpentine Co. (Wood), Gull Point, Fla.
Protexol Corp. ("Osco"), 41 Barclay, New York *See adv index at end of book*
REPUBLIC CREOSOTING CO., Merchants Bank bldg ("Kreodone"), Indianapolis, Ind. *See adv index at end of book*
Semet Solvay Co., Syracuse, N. Y.
Spirittine Chemical Co. ("Spirittine"), Wilmington, N. C.
United Gas Improvement Co., Broad & Arch, Phila., Pa.
White Tar Co. of N. J., 56 Vesey, New York
Wilckes, Martin, Wilckes Co., 135 William. New York

10297—Oils (Cutting, Drilling & Polishing)

See also Compounds

Atlantic Refining Co., 260 S Broad, Phila., Pa.
Barrett Co., 40 Rector, New York
Borne-Scrymser Co., 17 Battery pl, New York
Climax Refining Co. (& Soluble), Williamson bldg, Cleveland, O.
Cook & Swan Co. Inc., 148 Front, New York, N. Y.
Damascus Mfg. Co. ("Diamond"), Cassius av, Cleveland, O.
Emery Mfg. Co., Bradford, Pa.
Empire Oil Works, Oil City, Pa. Works: Reno, Pa.
Farr Mfg. Co. ("Landral"), No. Tonawanda, N. Y.
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Fiske Bros. Refining Co., 24 State, New York
Frontier Mfg. Co. ("Top"), Dept. H, North Tonawanda, N. Y.
Gulf Refining Co. (Drilling & Polishing), Frick bldg annex, Pittsburgh, Pa.
Haws Geo. A. ("Marnile"), 395 B'way, New York
Houghton E. F. & Co. ("Fileine," "Houghtolard"), 240 W Somerset, Phila., Pa.
Ironsides Co., H Hartman bldg., Columbus, Ohio
Indian Refining Co., 244 Madison av, New York
Kelmit Co., 445 E 3rd, Los Angeles, Cal.
Middle States Oil Co. (Cutting), Dept. H, B. of L. E. bldg., Cleveland, O.
National Oil Products Co., Harrison, N. J.
Natl. Refining Co., 1400 E. 9th, Cleveland, Ohio
Oil City Oil & Grease Co., Oil City, Pa.
Penn American Refining Co., Oil City, Pa.
Penn Oil & Supply Co., Ltd. ("Penn" Brand), Oil City, Pa.
Pennsylvania Paraffine Wks., Titusville, Pa.
Pierce Oil Corp., Bank of Com. bldg, St. Louis, Mo.
Pigot Sayre Co., 29 B'way, New York
Pittsburgh Oil Refining Co., Pittsburgh, Pa.
Pratt B. G. Co. ("Hydroil" Water Oil Cutting Compound), 50 Church, New York
Pure Oil Co., Lafayette bldg, Phila., Pa.
Sibley Soap Co., Franklin, Pa.
Sinclair Refining Co., Connors bldg, Chicago, Ill.
Smith E. A., Hamilton, O.
Sonneborn L. Sons ("Amalie"), 114 5th av, New York
Standard Oil Co. (Polishing), 225 Bush, San Francisco, Cal.
Standard Oil Co. of N. Y. ("Socony"), 555 W 25th, New York
Stevenson Bro. & Co., 110 Race, Phila., Pa.
Sullivan Oil Co. ("Sullivan's Cutting Compounds), 413 N. Wells, Chicago, Ill.
Swan & Finch Co. ("Bayway," "Excelsior" "Eagle"), 522 5th av, New York
Talley & Co. ("Talco"), New Richmond, O.
Texas Company, The, Dept. D, 17 Battery pl, New York
See adv index at end of book
Vacuum Oil Co. ("Gargoyle" & "Mobiloil"), 61 B'way, New York
Van Winkle & Van Winkle (Furniture), Ridgewood, N. J.
Warren Refining Co., Warren, Pa.
Waverly Oil Works Co., 54th & A. V. R. R., Pittsburgh, Pa.
White & Bagley Co. ("Minolard"), 100 Foster, Worcester, Mass.
Young Frank L. Co. ("Youkin"), 111th Purchase, Boston, Mass.
Zero Oil Co., Parkersburg, W. Va.

Oils (Cycle)

See Oils, Bicycle & Sewing Machine

Oils (Cylinder)

See Lubricating Oils & Greases

10298— Oils (Dead)

Protexol Corp., 41 Barclay, New York *See adv index at end of book*
United Gas Improvement Co., Broad & Arch, Phila., Pa.
Watson H. F. Co. (For Roofing), Erie, Pa.

10299— Oils (Degras)

Cook & Swan Co. Inc., 148 Front, New York, N. Y.
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Francesconi J. C. & Co. (Imp.), 12 Water, New York

10299a— Oils (Dip)

American Chemical & Mfg. Co., Inc., 617 Monticello av, Norfolk, Va.
Atlantic Refining Co., 260 S Broad, Phila., Pa.
Barrett Co., 17 Battery pl, New York
Chatfield Mfg. Co., Carthage, Cincinnati, Ohio
Illinois Oil Co. of Rock Island, Rock Island, Ill.
Texas Company, The, Dept. D, 17 Battery pl, New York
See adv index at end of book

Oils (Dustlaying)

See Road Binders & Preservatives

Oils (Dynamic)

See Lubricating Oils & Greases

10299b— Oils (Edible)

Edgertyn Aniline Corp., 119 William, New York

10300— Oils (Emulsion)

Atlantic Refining Co., 260 S Broad, Phila., Pa.
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Indian Refining Co., 244 Madison av, New York
Jamaica Dyewood & Chemical Co. ("Howell's No. 50"), 50 Church, New York
Neutrasol Products Corp., 41 Park Row, New York

Oils (Engine)

See Lubricating Oils & Greases

10301— Oils (Essential)

Apelt-Herrmann (Imp), 76 Wall, New York
Barrett M. L. & Co., 333 W Lake, Chicago, Ill.
Bauer Philip Co., 58 Park pl, New York
Brown, O. A., Co., Inc. (Imp.), 246H Pearl, New York
Bush W. J. & Co., 370 7th av, New York
Chiris Antoine Co. (Imported), 147 Waverly, New York
Coignet Chemical Products Co., 17 State, New York
Commonwealth Chemical Corp., 25 W. 43rd, New York
Dodge & Olcott Co. (Imported), 87 Fulton, New York
Eng. Skeel Co., 203 Mission, San Francisco, Cal.
Fritzsche Bros. (Imp.), 82 Beekman, New York
Fuerst Bros. & Co. (Imp.), 3 Stone, New York
Gross A. & Co., 90 West, New York
Gross G. V. & Co. (Imp.), 30 Old Slip, New York
Hartmann Pacific Co., Inc. (Imp.), 90 Wall, New York
Heine & Co. (Dirs.), 54 Cliff, New York
Horner, Jas. B. (Imp.), 3H Platt, New York
Hutchinson D. W. (Imp.), 94 John, New York
Hymes Bros. Co., 235 Pearl, New York
Innis, Speiden & Co., Inc. (Imp.), 46 Cliff, New York
Jordan W. H. & P. Jr., Inc. (Imp), 134 Water, New York
Lueders Geo. & Co., 427 Washington, New York
Lyon Julian W. (Imp), 75 Fulton, New York
McKesson & Robbins (Imp.), 91 Fulton, New York
Magnus, Mabee & Reynard, 257 Pearl, New York
Manheimer J., 271 Pearl, New York
Matheson & Atkinson, 120 B'way, New York
Orbis Products Trading Co., Inc., 212 Pearl, New York
Roure-Bertrand Fils, 461 4th av, New York
Stilwell Arthur A. & Co. (Imp.), 28 Cliff, New York
Suter Eugene Co., 160 B'way, New York
Todd A. M. Co., Kalamazoo, Mich.
Ungerer & Co. (Imp.), 124 W 19th, New York
Van Dyke & Co. (Imp.), 6H Platt New York
Wolmark Chemical Co., 17 E 14th, New York
Wyso Mfg. Co., 3840 20th, San Francisco, Cal.

10301a— Oils (Eucalyptus)

Binz Edw. G., 732 Ceres av, Los Angeles, Cal.
Breslauer A. (Industrial Chemicals), Am. National Bank bldg, San Francisco, Cal.
Riddle Chemical Co., 35 S Dearborn, Chicago, Ill.
See adv index at end of book

10301b— Oils (Fish)

See also Oils, Cod

Adams Fred C. Co., 130 N Wells, Chicago, Ill.
Alexander H. T. & Co., 17 Batery pl, New York
American Wood Preserving Co., 3748 N Marshfield av, Chicago, Ill.
Baltimore Oil Co., 106 N High, Baltimore, Md.
Boat James S. ("Hydroil C"), 117 1st, Boston, Mass.
Clark Fred G. Co., 1081 W 11th, Cleveland, Ohio
Cook & Swan Co. Inc. (Menhaden, Herring, Cod, Dog Fish, Tuna, Shark, etc.), 148 Front, New York, N. Y.
Doane & Bartlett Co., Beaufort, N. C.
Dodd A. W. & Co. (Menhaden), Gloucester, Mass.
Fearon, Brown Co. (Imp.), 96 Wall, New York
Frost F. W. & Co., Inc. (Imp.), 56 Beaver, **New York**
Fulghum & Co., 742 San Pedro, Los Angeles, Cal.
Greenewald Herbert Co. ("H. G."), 1300 Pine, Camden, N. J.
Hartmann Pacific Co., Inc. (Imp.), 80 Wall, New York
Hunnell & Co. Inc., 136 Liberty, New York
Jarecki Chemical Co., Sandusky, Ohio
Klipstein A. & Co., 644 Greenwich, New York
Malone Oil Co., 2197 E 18th, Cleveland, O.
Norwood Joseph W., Gloucester, Mass.
Nye Wm. F., New Bedford, Mass.
Robinson W. A. & Co. (Sperm, Whale, Menhaden, Sea Elephant, etc), **New Bedford, Mass.**
Rogers, Brown & Co., 77 Carew bldg, Cincinnati, O.
Stevenson Bro. & Co., 110 Race, Phila., Pa.
Swan, Alden S., Co., 148H Front, New York
Swan & Finch Co. (Sperm, Fish, Whale, Cod, Seal, etc.), **522 5th av, New York**
Takamine Commercial Corp. (Imp.) 120 B'way, New York
Tarr Geo. J. Co., Gloucester, Mass.
Texas Co., Dept. H.R., 17 Battery pl, New York
Wilbur Ellis Co. (Imp.), 311 California, San Francisco, Cal.
Winkler Isaac & Bro. Co., 1st National Bank bldg, Cincinnati, O.
Young Frank L. Co. ("Youkin"), 111 Purchase, Boston, Mass.

10302— Oils (Floor)

Antakwa Co. ("Antakwa"), 1329 Mohawk, Chicago, Ill.
Atlantic Refining Co., 260 S Broad, Phila., Pa.
Borne-Scrymser Co., 17 Battery pl, New York
Emery Mfg. Co., Bradford, Pa.
Empire Oil Works, Oil City, Pa. Works: Reno, Pa.
Fergusson, Alex. C., Jr., (Dust Absorbing), 474 Chestnut, Phila., Pa.
See adv index at end of book
Franklin Quality Refining Co., Franklin, Pa.
Hollingshead R. M. Co. ("Whiz"), Camden, N. J.
Houghton E. F. Co., 240H W Somerset, Phila., Pa.
Indian Refining Co., 244 Madison av, New York
Natl. Refining Co., 1400 E. 9th, Cleveland, Ohio
O'Kleen Products Co., 712 Madison av, Baltimore, Md.
Pacific Chemical Co., 1421 N Main, Los Angeles, Cal.
Pennsylvania Paraffine Wks., Titusville, Pa.
Pierce Oil Corp., Bank of Com. bldg, St. Louis, Mo.
Pittsburgh Oil Refining Co., Pittsburgh, Pa.
Pure Oil Co., Lafayette bldg, Phila., Pa.
Schilling Frederick ("Paramount"), 617 Greenwich, New York
Seattle Waxine Co. ("Amberine"), 104 Westlake av W, Seattle, Wash.
Sinclair Refining Co. ("Four Bros."), Albany, N. Y.
Sonneborn L. Sons ("Amalie"), 114 5th av, New York
Standard Oil Co., 225 Bush, San Francisco, Cal.
Sun Co., 1240H Finance bldg, Phila., Pa.
Texas Company, The, Dept. D, 17 Battery pl, New York
See adv index at end of book
Warren Refining Co., Warren, Pa.
Waverly Oil Works Co. (Dust Absorbing), 54th & A. V. R. R., Pittsburgh, Pa.
Zero Oil Co., Parkersburg, W. Va.

10302a— Oils (Flotation)

Barrett Co., 40 Rector, New York
DU PONT E. I. DE NEMOURS & CO., INC. (Special Products Section), Wilmington, Del.
See adv index at end of book
Florida Wood Products Co., Jacksonville, Fla.
Franco Am. Chemical Co., 97 York, New York
General Naval Stores Co. ("G. N. S."), 90 West, New York
Georgia Pine Turpentine Co. of N. Y., 158 Perry, New York
Gulf Naval Stores Supply Co., Whitney Central bldg, New Orleans, La.

HERCULES POWDER CO.
(Naval Stores Div.), Wilmington, Del.

Industrial Chemical Co., 1414 Fifth Ave bldg, New York
See adv index at end of book
Lewis, F. J., Mfg. Co., Moline, Ill.
Pacific Phenals Corp., 785 Market, San Francisco, Cal.
Pensacola Tar & Turpentine Co., Gull Point, Fla.
Spirittine Chemical Co. ("Spirittine"), Wilmington, N. C.

10303— Oils (Fusel)

Albany Chemical Co. (Refined), Albany, N. Y.
Alcohol Products Co., Blanchard, Newark, N. J.
Anderson Chemical Co. (Refined), Wallington, N. J.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Hummel & Robinson (Crude & Refined), 90 West, New York
INDUSTRIAL CHEMICAL CO., 1414 Fifth Ave bldg, New York
See adv index at end of book
Klipstein A. & Co. (Refined Imp.), **644 Greenwich, New York**
McKesson & Robbins (Imp.), 91 Fulton, New York
Maas & Waldstein, 92 William, New York
U. S. Industrial Chem. Co. (Crude & Refined), 110 E 42d, New York
Van Schaack Bros., Chemical Works, 443 3358 Avondale av, Chicago, Ill.
Wathen, R. E. & Co., Louisville, Ky.
Western Industries Co., 110 Sutter, San Francisco, Cal.
Wiarda John C. & Co. (Refined Jobbers), 83 Provost, Brooklyn, N. Y.
See adv index at end of book

10304— Oils (Gas & Fuel)

Asphaltum & Oil Refining Co., 2475 E 9th, Los Angeles, Cal.
Associated Oil Co. (Crude Fuel Oil), **79 New Montgomery, San Francisco, Cal.**
Atlantic Gulf Oil Corp., 25H B'way, New York
Atlantic Refining Co., 260 S Broad, Phila., Pa.
Bell Oil Corp., 11 Water, New York
Cabell Petroleum Co., 812 Oliver, St. Louis, Mo.
Cameron Refining Co., Ardmore, Okla.
Canfield Oil Co. (Gas), **3210 55th, Cleveland, O.**
Central Commercial Co. (Fuel), **111 N Market, Chicago, Ill.**
Central Refining Co., Lawrenceville, Ill.
Clarendon Refining Co., Clarendon, Pa.
Clark Fred G. Co., 1081 W 11th, Cleveland, O.
Clifford-Bell Petroleum Co. Inc., Wichita Falls, Tex.
Continental Mexican Petroleum Co., 25 Broadway, New York
Craig Oil Co., Toledo, O.
Emery Mfg. Co., Bradford, Pa .
Empire Oil Works, Oil City, Pa.
Franklin Quality Refining Co., Franklin, Pa.
Freedom Oil Works Co., Freedom, Pa.
General Petroleum Corp., Higgins bldg, Los Angeles, Cal.
Gulf Refining Co., Frick bldg annex, Pittsburgh, Pa.
Independent Refining Co. (Ltd.), **Oil City, Pa.**
Indian Refining Co., 244 Madison av, New York
Interocean Oil Co., 90 West, New York
Kendall Refining Co., Bradford, Pa.
Louisiana Oil Refining Co., Shreveport, La.
MacKormack Co. (Jobbers), **Roberts bldg, Tulsa, Okla.**
Maloney Oil & Mfg. Co., Scranton, Pa.
Mills C. E. Oil Co., Syracuse, N. Y.
Montrose Oil Refining Co. Inc., Ft. Worth, Tex.
Natl. Refining Co., 1400 E. 9th Cleveland, Ohio
Ohio Cities Gas Co., Columbus, O.
Penn American Refining, Co., 244 Madison av, Oil City, Pa.
Pennsylvania Oil & Refining Co., Oil City, Pa.
Pennsylvania Paraffine Works, Titusville, Pa.
Pennzoil Co., Oil City, Pa.
Pierce Oil Corp., Bank of Commerce bldg, St. Louis, Mo.
Pittsburgh Oil Refining Co., Pittsburgh, Pa.
Prairie Oil & Gas Co., Independence, Kans.
Prudential Oil Corp., 110 William, New York
Pure Oil Co., Lafayette bldg, Phila., Pa.
Sapulpa Refining Co., Tulsa, Okla.
Shell Co. of Cal., 343 Sansome, San Francisco, Cal.
Sinclair Refining Co., Conway bldg, Chicago, Ill.
Sloan & Zook, Bradford, Pa.
Standard Oil Co., 225 Bush, San Francisco, Cal.
Standard Oil Co. of N. J., 26 B'way, New York
Standard Oil Co. of N. Y. ("Socony"), 555 W 25th, New York
Sun Co., 1240H Finance bldg, Phila., Pa.
Texas Company, The, Dept. D, 17 Battery pl, New York
See adv index at end of book
Texhoma Oil & Refining Co. (Fuel), Wichita Falls, Tex.
Tidewater Oil Co., 11 B'way, New York
Union Oil Co. of Cal. (Fuel), **Union Oil bldg, Los Angeles, Cal.**
Vernon Oil Refining Co., 2500 E 26th, Los Angeles, Cal.
Warren Refining Co., Warren, Pa.
Waverly Oil Works Co., 54th & A. V. R. R., Pittsburgh, Pa.
Western Petroleum Co., 208 S La Salle, Chicago, Ill.
White Star Refining Co. (Fuel), **Avery & Grand Trunk R. R., Detroit, Mich.**
Wypssbrod E. V. & Co., Findlay, O.

Oils (Graphite)

See Lubricating Oils & Greases

10305— Oils (Harness)

See also Dressing

Atlantic Refining Co., 260 S Broad, Phila., Pa
Baum's Castorine Co. ("Castorine"), Rome, N. Y.
Climax Refining Co., Williamson Bldg, Cleveland, O.
Commercial Chemical Co. ("X L N C"), 212 Essex, Boston, Mass.
Fisher, Thorsen & Co. ("World's Best"), N 29th & Nicolai, Portland, Ore.
Frazer Lubricator Co., 3921 Normal av, Chicago, Ill.
Freedom Oil Works Co., Freedom, Pa.
Gulf Refining Co., Frick bldg annex, Pittsburgh, Pa.
Hollingshead R. M. Co. ("Hollingshead" Dipping & Blacking), **Camden, N. J.**
Indian Refining Co. 244 Madison av, New York
Miller Frank Co., 349 W 26th, New York
Natl. Refining Co., 1400 E. 9th, Cleveland, Ohio
Pennzoil Co., Oil City, Pa.
Pierce Oil Corp., Bank of Commerce bldg, St. Louis, Mo.
Pigot Sayre Co., 29 B'way, New York
Sinclair Refining Co. ("Four Bros."), Albany, N. Y.
Sonneborn L. Sons ("Amalie," also Grease), 114 5th av, New York
Standard Oil Co. ("Eureka"), 225 Bush, San Francisco, Cal.
Standard Oil Co. of N. Y. ("Eureka"), 555 W 25th, New York
Texas Company, The, Dept. D, 17 Battery pl, New York
See adv index at end of book
Vacuum Oil Co. ("Gargoyle," "Mobiloils," "Mobilubricant"), 61 B'way, New York
Waverly Oil Works Co., 54th & A. V. R. R., Pittsburgh, Pa.
World Refining Co., Easton, Pa.

10306— Oils (Headlight)

Atlantic Refining Co., 260 S Broad, Phila., Pa.
Crystal Oil Works, Oil City, Pa.
Emery Mfg. Co., Bradford, Pa.
Empire Oil Works, Oil City, Pa. Works: Reno, Pa.
Freedom Oil Works Co., Freedom, Pa.
Galena Signal Oil Co. ("Galena"), Franklin, Pa.
Gulf Refining Co., Frick bldg annex, Pittsburgh, Pa.
Indian Refining Co., 244 Madison av, New York
Natl. Refining Co., 1400 E. 9th, Cleveland, Ohio
Penn American Refining Co., Oil City, Pa.
Pennsylvania Paraffine Works, Titusville, Pa.
Pennzoil Co., Oil City, Pa.
Pierce Oil Corp., Bank of Commerce bldg, St. Louis, Mo.
Pittsburgh Oil Refining Co., Pittsburgh, Pa.
Pure Oil Co., Lafayette bldg, Phila., Pa.
Sinclair Refining Co., Conway bldg, Chicago, Ill.
Standard Oil Co. of N. Y. ("Socony"), 555 W 25th, New York

(Continued on following page)

Oils (Headlight)—Continued

Texas Company, The (There's a Texaco Burning Oil or Lubricant for every R. R. use), Dept. D, 17 Battery pl, New York
See adv index at end of book
Waverly Oil Works Co., 54th & A. V. R. R., Pittsburgh, Pa.

10307— Oils (Horse)

Cook & Swan & Co. Inc., 148 Front, New York

10307a— Oils (Hydrogenated)

American Oil Products Co., Logansport, Ind.
Boyer Kienle Co. Inc., 90 West, New York
Brown Co., Portland, Me.
Cudahy Packing Co., 111 W Monroe, Chicago, Ill.

10308-9— Oils (Illuminating)

American Oil Works (Ltd.), Titusville, Pa.
Atlantic Refining Co., 260 S Broad, Phila., Pa.
Bayerson Oil Works, Erie, Pa.
Bell Oil Corp., 11 Water, New York
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Clarendon Refining Co., Clarendon, Pa.
Continental Refining Co., Oil City, Pa.
Craig Oil Co., Toledo, O.
Crystal Oil Works, Oil City, Pa.
Emery Mfg. Co., Bradford, Pa.
Empire Oil Works, Oil City, Pa.
Galena-Signal Oil Co., Franklin, Pa.
Gulf Refining Co., Frick bldg annex, Pittsburgh, Pa.
Independent Refining Co. (Ltd.), Oil City, Pa.
Indian Refining Co., 244 Madison av, New York
Indian Territory Illuminating Oil Co., Bartlesville, Okla.
Island Petroleum Co., Neville Island, Pittsburgh, Pa.
Loos & Dilworth, 134 S Front, Phila., Pa.
Mills C. E. Oil Co., Syracuse, N. Y.
Mutual Refining Co. (Ltd.), Warren, Pa.
Natl. Refining Co., 1400 E. 9th, Cleveland, Ohio
Paragon Refining Co., Toledo, O.
Penn American Refining Co., Oil City, Pa.
Pennsylvania Paraffine Works, Titusville, Pa.
Pennsylvania Refining Co., Karns City, Pa.
Pennzoil Co., Oil City, Pa.
Pierce Oil Corp., Bank of Commerce bldg, St. Louis, Mo.
Pittsburgh Oil Refining Co., Pittsburgh, Pa.
Pure Oil Co., Lafayette bldg, Phila., Pa.
Sinclair Refining Co., Conway bldg, Chicago, Ill.
Sloan & Zook, Bradford, Pa.
Standard Oil Co. of N. J., 26 B'way, New York
Standard Oil Co. of N. Y. ("Socony"), 555H W. 25th, New York
Texas Company, The, Dept. D, 17 Battery pl, New York
See adv index at end of book
Tidewater Oil Co., 11 B'way, New York
Union Petroleum Co., Widener bldg, Philadelphia, Pa.
United Refining Co., Warren, Pa.
Warren Refining Co., Warren, Pa.
Waverly Oil Works Co., 54th & A. V. R. R., Pittsburgh, Pa.

10310— Oils (Kerosene)

American Oil Works (Ltd.), Titusville, Pa.
Associated Oil Co., 79 New Montgomery, San Francisco, Cal.
Atlantic Refining Co., 260 S Broad, Phila., Pa.
Bell Oil Corp., 11 Water, New York
Buck E. A. & Co., Willimantic, Conn.
Cabell Petroleum Co., 812 Oliver, St. Louis, Mo.
Cameron Refining Co., Ardmore, Okla.
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Central Refining Co., Lawrenceville, Ill.
Clarendon Refining Co., Clarendon, Pa.
Columbia Oil Co. of N. Y., 15 William, New York
Crystal Oil Works, Oil City, Pa.
Emery Mfg. Co., Bradford, Pa.
Empire Oil Works, Oil City, Pa. Works: Reno, Pa.
Franklin Quality Refining Co., Franklin, Pa.
Great Western Oil Co. ("Palacelite"), 2346 E. 37th, Cleveland, O.
Gulf Refining Co., Frick bldg annex, Pittsburgh, Pa.
Indian Refining Co., 244 Madison av, New York
Kendall Refining Co., Bradford, Pa.
Louisiana Oil Refining Co., Shreveport, La.
Montrose Oil Refining Co. Inc., Ft. Worth, Tex.
Natl. Refining Co., 1400 E. 9th, Cleveland, Ohio
Ohio Cities Gas. Co., Columbus, O.
Penn American Refining Co., Oil City, Pa.
Pennsylvania Paraffine Works, Titusville, Pa.
Pennsylvania Oil & Refining Co., Oil City, Pa.
Pennzoil Co., Oil City, Pa.
Pierce Oil Corp., Bank of Commerce bldg, St. Louis, Mo.
Pittsburgh Oil Refining Co., Pittsburgh, Pa.
Prudential Oil Corp., 110 William, New York
Pure Oil Co., Lafayette bldg, Phila., Pa.
Sapulpa Refining Co., Tulsa, Okla.
Sinclair Refining Co., Conway bldg, Chicago, Ill.
Sloan & Zook, Bradford, Pa.
Standard Oil Co. ("Elaine," "Eocene"), 225 Bush, San Francisco, Cal.
Standard Oil Co. of N. J. 26 B'way, New York
Standard Oil Co. of N. Y. ("Socony"), 555 W 25th, New York
Texas Company, The, Dept. D, 17 Battery pl, New York
See adv index at end of book
Tidewater Oil Co., 11 B'way, New York
Union Oil Co. of Cal., Union Oil bldg, Los Angeles, Cal.
Valley Oil Refinery, Stockton & Polhemus, San Jose, Cal.
Vernon Oil Refining Co., 2500 E 26th, Los Angeles, Cal.
Warren Refining Co., Warren, Pa.
Waverly Oil Works Co., 54th & A. V. R. R., Pittsburgh, Pa.
White Star Refining Co., Avery and Grand Trunk R. R., Detroit, Mich.

10311— Oils (Lard)

See also Lubricating Oils & Greases

Adams Fred C. Co., 130 N Wells, Chicago, Ill.
Alexander H. T. & Co., 17 Battery pl, New York
Baltimore Oil Co., 106 N High, Baltimore, Md.
Cook & Swan Co. Inc., 148 Front, New York, N. Y.
Cooper Sanitary Mfg. Co. (Blended), 34th & Chestnut, Phila., Pa.
Davies Young Soap Co., Dayton, O.
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Great Western Oil Co., 2346 E 37th, Cleveland, O.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Houghton E. F. Co. (for Wool), 240H W Somerset, Phila., Pa.
International Vegetable Oil Co., Atlanta, Ga.
Kingham & Co., Maryland & Blackford, Indianapolis, Ind.
Malone Oil Co., 2197 E 18th, Cleveland, O.
Middle States Oil Co., B. of L. E. bldg, Cleveland, O.
Mills C. E. Oil Co., Syracuse, N. Y.
National Oil & Supply Co. ("Viscos" Mineralized), 180 Freylinghuysen av, Newark, N. J.
Nye Wm. F., New Bedford, Mass.
Pacific Coast Beef & Provision Co., Los Angeles, Cal.
Pfau's Geo. Sons Co., Jeffersonville, Ind.
Pierce Oil Corp., Bank of Commerce bldg, St. Louis, Mo.
Riddle Chemical Co. (Prime Winter Strained, Extra Winter Strained), 35 S Dearborn, Chicago, Ill.
See adv index at end of book
Stevenson Bro. & Co., 110 Race, Phila., Pa.
Sullivan Oil Co., 413 N. Wells, Chicago, Ill.
Swan, Alden S., Co., 148H Front, New York
Wilson & Co., Union Stock Yards, Chicago, Ill.
Woodtite Laboratories, Modesto, Cal.

10312— Oils (Lawn Mower)

Emery Mfg. Co., Bradford, Pa.
Hollingshead R. M. Co. ("Whiz"), Camden, N. J.
Indian Refining Co., 244 Madison av, New York
Nye Wm. F. ("Nyoil"), New Bedford, Mass.
Pittsburgh Oil Refining Co., Pittsburgh, Pa.
Pure Oil Co., Lafayette bldg., Phila., Pa.
Sinclair Refining Co., Conway bldg, Chicago, Ill.
Sonneborn L. Sons ("Amalie"), 114 5th av, New York
Supplee-Biddle Hdw. Co. ("Pennsylvania"), 510 Commerce, Phila., Pa.
Texas Company, The ("Texaco Home" Lubricant in the handy oiler), Dept. D, 17 Battery pl, New York
See adv index at end of book
Waverly Oil Works Co., 54th & A. V. R. R., Pittsburgh, Pa.

10313— Oils (Leather)

See also Oils Harness, also Oils Neatsfoot, also Oils Tanners

Arabol Mfg. Co., 110 E 42d, New York
Atlantic Refining Co., 260 S Broad, Phila., Pa.
Boyer Kienle Co. Inc., 90 West, New York
Cook & Swan Co., Inc., 148 Front, New York
Emery Mfg. Co., 43 Main, Bradford, Pa.
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Fisher Thorsen & Co. ("Scandinavian" Wax Oil), Portland, Ore.
Greenewald Herbert Co. ("H. G." substitute), 1300 Pine, Camden, N. J.
Houghton E. F. & Co., 240 W Somerset, Phila., Pa.
National Oils Products Co., Harrison, N. J.
Waverly Oil Works Co., 54th, Pittsburgh, Pa.
Winkler Isaac & Bro. Co., 1st Nat'l Bank bldg, Cincinnati, O.

10313a— Oils—(Linseed)

See also Linseed Oil & Cake Mills

RIDDLE CHEMICAL CO. (Boiled & Raw Domestics), 35 S Dearborn, Chicago, Ill.
See adv index at end of book

Oils (Lubricating)

See Lubricating Oils & Greases

10314— Oils (Lustre)

Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Houghton E. F. & Co. (For Velvet & Plush Mfgs.), 240 Somerset, Phila., Pa.

10315—Oils (Medicinal Petroleum)

Canfield Oil Co., 3210 E 55th, Cleveland, O.
Schliemanns Oil Ousine Co. (White), 25 Beaver, New York
Sloan & Zook, Bradford, Pa.
Warren Refining Co., Warren, Pa.
Waverly Oil Works Co., 54th & A. V. R. R., Pittsburgh, Pa.

10316—Oils (Mineral Seal)

Atlantic Refining Co., 3144 Passyunk av, Philadelphia, Pa.
Bell Oil Corp., 11 Water, New York
Borne-Scrymser Co., 17 Battery pl, New York
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Emery Mfg. Co., Bradford, Pa.
Empire Oil Works, Oil City, Pa., Works, Reno, Pa.
Indian Refining Co., 244 Madison av, New York
Island Petroleum Co., Neville Island, Pittsburgh, Pa.
Malone Oil Co. (Imported Russian), 2197 E 18th, Cleveland, O.
Mutual Refining Co. (Ltd.), Warren, Pa.
Pierce Oil Corp., Bank of Com. bldg., St. Louis, Mo.
Sloan & Russel, Inc. (Lubricating), 198 Broadway, New York
Sloan & Zook, Bradford, Pa.
Standard Oil Co., 225 Bush, San Francisco, Cal.
Standard Oil Co. of N. Y. ("Socony"), 555 W 25th, New York
Tidewater Oil Co., 11 B'way, New York
Warren Refining Co., Warren, Pa.

10317—Oils (Miners' Torch)

Atlantic Refining Co., 260 S Broad, Phila., Pa.
Borne-Scrymser Co., 17 Battery pl, New York
Emery Mfg. Co., Bradford, Pa.
Empire Oil Works, Oil City, Pa. Works: Reno, Pa.
Gulf Refining Co., Frick bldg Annex, Pittsburgh, Pa.
Independent Refining Co. (Ltd.), Oil City, Pa.
Indian Refining Co., 244 Madison av, New York
National Refining Co., Rose bldg, Cleveland, O.
Pennsylvania Paraffine Wks., Titusville, Pa.
Pennzoil Co., Oil City, Pa.
Pittsburgh Oil Refining Co., Pittsburgh, Pa.
Sinclair Refining Co., Conway bldg, Chicago, Ill.
Sonneborn L. Sons ("Amalie"), 114 5th av, New York
Standard Oil Co. of N. Y. ("Miner's Sunshine"), 555 W 25th, New York
Texas Company, The, Dept. D, 17 Battery pl, New York
See adv index at end of book
Warren Refining Co., Warren, Pa.

10318— Oils (Monopole)

Wolf, Jacques & Co. Passaic, N. J.

10319— Oils (Neatsfoot)

Adams Fred C. Co., 130 N Wells, Chicago, Ill.
Baum's Castorine Co., Rome, N. Y.
Baltimore Oil Co., 106 N High, Baltimore, Md.
Consolidated Rendering Co., 40 N Market, Boston, Mass.
Cook & Swan Co. Inc., 148 Front, New York
Cooper's Peter Glue Factory, 11th av & 28th, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book

Fiebing Chemical Co. ("Fiebing's"), 240 Reed, Milwaukee, Wis.
Fisher Thorsen & Co., 29th & Nicolai, Portland, Ore.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Hollingshead R. M. Co. ("Hollingshead"), Camden, N. J.
Hunnell & Co. Inc., 136 Liberty, New York
Indian Refining Co., 244 Madison av, New York
Malone Oil Co., 2197 E 18th, Cleveland, O.
Northwestern Chemical Co. ("Norwesco"), Marietta, Ohio
Nye Wm. F., New Bedford, Mass.
Pacific Coast Beef & Provision Co., Los Angeles, Cal.
Pierce Oil Corp., Bank of Com. bldg, St. Louis, Mo.
Ricard-Brewster Oil Co., 110 Orange, Wilmington, Del.
Riddle Chemical Co. (Pure), 35 S Dearborn, Chicago, Ill.
See adv index at end of book
Sinclair Refining Co., Conway bldg, Chicago, Ill.
Swan, Aiden S., & Co., 148H Front, New York
Swan & Finch Co. (Dlrs.), 522 5th av, New York
Walton F. S. Co., Orthodox & Del., Phila., Pa.
Wilson & Co., Union Stocks, Chicago, Ill.
Woodtite Laboratories, Modesto, Cal.

10320— Oils (Neutral)

Atlantic Refining Co., 260 S Broad, Phila., Pa.
Bell Oil Corp., 11 Water, New York
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Emery Mfg. Co., Bradford, Pa.
Empire Oil Works, Oil City, Pa. Works: Reno, Pa.
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Franklin Quality Refining Co., Franklin, Pa.
Kendall Refining Co., Bradford, Pa.
Houghton E. F. Co. (Crude), 240H W Somerset, Phila., Pa.
Millers' A. D. Sons Co., Columbus,, O., & Preble, Pittsburgh, Pa.
Neutrasol Products Corp., 41 Park Row, New York
Muskogee Refining Co., Muskogee, Okla.
Pennsylvania Paraffine Wks., Titusville, Pa.
Pennzoil Co., Oil City, Pa.
Protexol Corp., 41 Barclay, New York
See adv index at end of book
Sinclair Refining Co., Conway bldg, Chicago, Ill.
Sloan & Zook, Bradford, Pa.
Standard Oil Co. of N. J., 26 B'way, New York
Texas Company, The, Dept. D, 17 Battery pl, New York
See adv index at end of book
Tidewater Oil Co., 11 B'way, New York
United Refining Co., Warren, Pa.
Warren Refining Co., Warren, Pa.
Waverly Oil Works Co., 54th & A. V. R. R., Pittsburgh, Pa.

10321— Oils (Oleo)

Consolidated Rendering Co., 40 No Market, Boston, Mass.
Kingham & Co., Maryland & Blackford, Indianapolis, Ind.
Pacific Coast Beef & Provision Co., Los Angeles, Cal.
Reardon John & Sons Co., Cambridge, Mass.
Wilson & Co., Union Stock Yards, Chicago, Ill.

10321a— Oils (Olive)

Boehm Fredk., Ltd., 45 Park pl, New York
Chiris Antoine Co., 147 Waverly, New York
Cook & Swan Co., Inc. ("Foots" Commercial), 148 Front, New York
Fuerst Bros & Co., 2 Stone, New York
Greek Products Impt. Co., 804 W Polk, Chicago, Ill.
Houghton E. F. Co. (for Batching Wool), 240H W. Somerset, Phila., Pa.
Hunnell & Co., 136 Liberty, New York
Lehn & Fink, 635 Greenwich, New York
Lueders Geo. & Co., 427 Washington, New York
McKesson & Robbins, 91 Fulton, New York
Magnus, Mabie & Reynard, 257 Pearl, New York
Oil Seeds Co., 35 S William, New York
Riddle Chemical Co. (Green Malaga, Yellow Malaga), 35 S Dearborn, Chicago, Ill.
See adv index at end of book
Rosenblum Co., 105 Hudson, New York
Strohmeyer & Arpe Co., 139 Franklin, New York
Swan & Finch Co., 522 5th av, New York

10322— Oils (Paint)

Akron Varnish Co., Akron, O.
Alcatraz Co., Inc. ("A. A."), 3200 Williamsburg av, Richmond, Va.
Atlas Paint Co., Sharpsburg, Pa.
Ball Chemical Co. ("Oxolin"), Fulton bldg, Pittsburgh, Pa.
Climax Refining Co., Williamson bldg, Cleveland, O.
Columbia Refining Co. ("Drithinol"), 90 West, New York
Cook & Swan Co. Inc., 148 Front, New York
De Bar Co., 58 Delevan, Brooklyn, N. Y.
Elastic Compound Paint Co. ("Elastic Compound"), 5131 Kershaw, Philadelphia, Pa.
Fort Pitt Oil & Paint Co., 3206 Penn av, Pittsburgh, Pa.
Greenewald Herbert Co. ("H. G."), 1800 Pine, Camden, N. J.
Guf Refining Co., Frick bldg Annex, Pittsburgh, Pa.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Hegeman-Castle Corp. ("Genesco"), 80 E Jackson, Chicago, Ill.
Holden & White ("Genesco"), 80 E Jackson, Chicago, Ill.
IMPERVIOUS VARNISH CO. ("Impervol"), 421 Wood, Pittsburgh, Pa.
Indian Refining Co., 244 Madison av, New York
Kay & Ess Co. ("Daytona"), Dayton, O.
Lewis Jno. T. & Bros. Co., Lafayette bldg., Phila., Pa.
Natl. Refining Co., 1400 E. 9th, Cleveland, Ohio
Pittsburgh Oil Refining Co., Pittsburgh, Pa.
Riesenman Mfg. Co., Franklin, Pa.
Pigot Sayre Co., 29 Broadway, New York
Sinclair Refining Co., Conway bldg, Chicago, Ill.
Sipe, Jas. B., & Co., Dept. H, Bridgeville, Pa.
Spirittine Chemical Co. ("Spirittine"), Wilmington, N. C.
Sun Co., 1240H Finance bldg, Phila., Pa.
Suydam M. B. Co., 61st & Butler, Pittsburgh, Pa.
Texas Company, The, Dept. D, 17 Battery pl, New York
See adv index at end of book
Viscol Co. (Condensed Paint & Varnish Oils), Cambridge, Mass.
Wilbur Ellis Co. (Imp.), 311 California, San Francisco, Cal.
Waverly Oil Works Co., 54th & A. V. R. R., Pittsburgh, Pa.
Weber Co. F., 1220 Buttonwood, Philadelphia, Pa.

10323— Oils (Palm)

Boyer Kienle Co. Inc., 90 West, New York
Cook & Swan Co. Inc., 148 Front, New York
Cooper & Cooper Inc., 23H Cliff, New York
Doggett Stanley (Imp), 11 Cliff, New York
Drew E. F. & Co. (Imp), 88 Broad, Boston, Mass.
Elbert & Co., 27 William, New York
Fuerst Bros. & Co. (Imp), 2 Stone, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Hunnell & Co., 136 Liberty, New York
Link David C. & Co. (Imp), Produce Exch, New York
Merchant & Evans Co. (Imp.), Washington av. & 21st, Philadelphia, Pa.
Oil Seeds Co., 35 S William, New York
National Sales & Trading Co. (Special), Cleveland, Ohio
Swan & Finch Co.(Imp.), 522 5th av, New York
Welch, Holme & Clark Co., 383 West, New York
Young Frank L. Co. ("Youkin"), 111 Purchase, Boston, Mass.

10324— Oils (Paraffine)

Atlantic Refining Co. (Pale Red), 260 S Broad, Phila., Pa.
Bell Oil Corp., 11 Water, New York
Borne-Scrymser Co., 17 Battery pl, New York
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Craig Oil Co., Toledo, O.
Emery Mfg. Co., Bradford, Pa.
FERGUSSON ALEX. C. JR., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Gulf Refining Co., Frick bldg annex, Pittsburgh, Pa.
Indian Refining Co., 244 Madison av, New York
Jacobs Chas. W. & Allison (Imp), (Russian & White), 18 Cedar, New York
Natl. Refining Co., 1400 E. 9th, Cleveland, Ohio
Pierce Oil Corp., Bank of Com bldg, St. Louis, Mo.
Pigot Sayre Co., 29 B'way, New York
Pure Oil Co., Lafayette bldg, Phila., Pa.
Sinclair Refining Co., Conway bldg, Chicago, Ill.
Sonneborn L. Sons ("Amalie"), 114 5th av, New York
Standard Oil Co., 225 Bush, San Francisco, Cal.
Standard Oil Co. of N. J., 26 B'way, New York
Standard Oil Co. of N. Y. ("Socony"), 555 W 25th, New York
Texas Company, The, Dept. D, 17 Battery pl, New York
See adv index at end of book
Tidewater Oil Co., 11 B'way, New York
Waverly Oil Works Co., 54th & A. V. R. R., Pittsburgh, Pa.

10324a— Oils (Peanut)

Adams Fred C. Co., 130 N Wells, Chicago, Ill.
Bleecker Rutger & Co. (Selling Agents), 80 Wall, New York
Boyer Kienle Co. Inc., 90 West, New York
Carthage Cotton Oil Co., Carthage, Tenn.
Cook & Swan Co. Inc. (Imported & Domestic), 148 Front, New York, N. Y.
Cooper & Cooper Inc., 23H Cliff, New York
Eufaula Cotton Oil Co., Eufaula, Ala.
Frost F. F. & Co., Inc. (Imp.), 56 Beaver, New York
Magnus, Mabee & Reynard, 257 Pearl, New York
Mitsui & Co. (Imp), 65 B'way, New York
Norden A. & Co. (Imp.), 60 Beaver, New York
Simmons Thos. W. & Co. (Imp), 240 California, San Francisco, Cal.
Southern Cotton Oil Co. ("Scoco"), 120 B'way, New York
Takamine Commercial Corp. (Imp.), 120 B'way, New York

10324b— Oils (Perilla)

Cook & Swan Co. Inc., 148 Front, New York.
Frost F. W. & Co. Inc. (Substitute for Linseed Oil Imp.), 56 Beaver, New York
Takamine Commercial Corp. (Imp), 20 B'way, New York

10325— Oils (Pine)

See also Oils, Wood

Adams Fred C. Co., 130 N Wells, Chicago, Ill.
Florida Wood Products Co., Jacksonville, Fla.
Forest Products Co. ("Pinoesote"), 1212 Whitney, New Orleans, La.
General Naval Stores Co., 90 West, New York
Georgia Pine Turpentine Co. of N. Y., 158 Perry, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book

HERCULES POWDER CO

Wilmington, Del.
INDUSTRIAL CHEMICAL CO., 1414 Fifth Ave. bldg, New York
See adv index at end of book

Magnus, Mabee & Reynard, 257 Pearl, New York
Mailliard & Schmiedell (Mfrs. Agts.), 208 California, San Francisco, Cal.
Millville Pulp & Products Co., Millville, N. J.
National Pulp & Turpentine Co., Green Grove Springs, Fla.
North Carolina Naval Stores Co., Wilmington, N. C.
Pensacola Tar & Turpentine Co., Gull Point, Fla.
Producers Turpentine Co., Dept. H, Elizabeth, La.
Spiritine Chemical Co. (Flotation), Wilmington, N. C.

10326—Oils (Pine, Creosote)

General Naval Stores Co., 90 West, New York

10327—Oils (Pipe Threading)

Atlantic Refining Co., 260 S Broad, Phila., Pa.
Climax Refining Co., Williamson bldg, Cleveland, O.
Cook & Swan Co. Inc., 148 Front, New York
Emery Mfg. Co., Bradford, Pa.
Empire Oil Works, Oil City, Pa.; Works: Reno, Pa.
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Hosmer G. A. Co., 601 Northland av, Buffalo, N. Y.
Miller's A. D. Sons Co., Columbus & Preble, Pittsburgh, Pa.
Pennsylvania Paraffine Wks., Titusville, Pa.
Pierce Oil Corp., Bank of Com bldg, St. Louis, Mo.
Pittsburgh Oil Refining Co., Pittsburgh, Pa.
Pure Oil Co., Lafayette bldg, Phila., Pa.
Sinclair Refining Co., Conway bldg, Chicago, Ill.
Standard Oil Co. of N. Y. ("Socony"), 555 W 25th, New York
Texas Company, The, Dept. D, 17 Battery pl, New York
See adv index at end of book
Waverly Oil Works Co., 54th & A. V. R. R., Pittsburgh, Pa.

10328— Oils (Pistonite)

Sonneborn L. Sons ("Amalie"), 114 5th av, New York

10328a— Oils (Putty)

Chicago White Lead & Oil Co., 1454 S Western av, Chicago, Ill.
Cook & Swan Co. Inc., 148 Front, New York
Crandall E. V. Oil & Putty Co., 1105 Metropolitan av, Brooklyn, N. Y.
Penn & Delaware Oil Co., 90 West, New York
Standard Oil Co., 225 Bush, San Francisco, Cal.
Underhay Oil Co., 73 Batterymarch, Boston, Mass.
Waverly Oil Works Co., 54th & A. V. R. R., Pittsburgh, Pa.

10329— Oils (Rapeseed)

Adams Fred C. Co., 130 N Wells, Chicago, Ill.
American Trading Co. (Imp.), 25 Broad, New York
Cook & Swan Co. Inc. (Importers French Burning, Double Refined, Blown & Crude Rapeseed), 148 Front, New York
Elbert & Co., 27 William, New York
Frost F. W. & Co., Inc. (Imp.), 56 Beaver, New York
Kellogg Spencer & Sons, Buffalo, N. Y.
Kuh E. S. & Valk Co. (Imported), Produce Exchange, New York
Norden A. & Co. (Imp.), 60 Beaver, New York
Oil Seeds Co., 35 S William, New York
Sheldon G. W. & Co. (Imported), 8 Bridge, New York
Swan, Alden S., & Co., 148H Front, New York
Swan & Finch Co., 522 5th av, New York
Takamine Commercial Corp. (Imp.), 120 B'way, New York
Vacuum Oil Co. (Imp.), 61 B'way, New York

10330— Oils (Red)

Adams Fred C. Co., 130 N Wells, Chicago, Ill.
Bell Oil Corp., 11 Water, New York
Bosson & Lane (Turkey Red), Atlantic, Mass.
Celina Stearic Acid Co., Celina, O.
Craig Oil Co., Toledo, O.
Cooper & Cooper Inc., 23H Cliff, New York
Darling & Co., 4201 S Ashland av, Chicago, Ill.
EMERY CANDLE CO. ("Elaine"), 115 E. 4th, Cincinnati, O.
Emery Mfg. Co., Bradford, Pa.
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Gross A. & Co., 90 West, New York
Gulf Refining Co., Frick bldg annex, Pittsburgh, Pa.
Harding & Fancourt (Turkey Red), 516 S Delaware av, Phila., Pa.
Harkness & Gowing Co., Murray, Cincinnati, O.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Herrick & Voight (Turkey Red), 99 John, New York
Hunnell & Co. Inc., 136 Liberty, New York
Klipstein A. & Co. (Imp.), 644 Greenwich, New York
Leyland Thos. & Co. (Turkey Red), Readville, Boston, Mass.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Natl. Refining Co., 1400 E. 9th, Cleveland, Ohio
Pierce Oil Corp., Bank of Com. bldg, St. Louis, Mo.
Pittsburgh Oil Refining Co., Pittsburgh, Pa.
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Riverside Mfg. Co., 4528 S Broadway, St. Louis, Mo.
Scholler Bros. Co. (Turkey Red), Amber & Westmoreland, Phila., Pa.
Sergeant E. M. Co., 131 Cedar, New York
Shaw John & Co. (Turkey Red), 15 Elkins, S. Boston, Mass.
Siegle G. Co. (Turkey Red, Imp.), Rosebank, S. I., N. Y.
Sinclair Refining Co., Conway bldg, Chicago, Ill.
Sonneborn L. Sons ("Amalie" Turkey Red), 114 5th av, New York
Standard Oil Co., 225 Bush, San Francisco, Cal.
Texas Company, The, Dept. D, 17 Battery pl, New York
See adv index at end of book
Tidewater Oil Co., 11 B'way, New York
Warren Refining Co., Warren, Pa.
Will & Baumer Co., Syracuse, N. Y.
Wilson-Martin Co., 30th & Market, Phila, Pa.
Wolf Jacques & Co. (Turkey Red), Passaic, N. J.

10330a—Oils (Refined Fusel, Aniline, Creosote, Acetone, Shingle, Dead & Flotation)

International Vegetable Oil Co. (Refined Fusel), Atlanta, Ga.
U. S. Industrial Chemical Co. (Acetone Oils), 110 E 42d, New York

10330b— Oils (Ricinola)

Klipstein A. & Co., 644 Greenwich, New York

Oils (Road)

See Road Binders & Preservatives

10331— Oils (Rosin)

Adams Fred C. Co., 130 N Wells, Chicago, Ill.
Casey Jno. A. Co., 50 Church, New York
Fulper Edw. B., Trenton, N. J.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Mills C. E. Oil Co., Syracuse, N. Y.
National Rosin Oil & Size Co., 90 West, New York
Peninsular Naval Stores Co., Jacksonville, Fla.
Pensacola Tar & Turpentine Co., Gulf Point, Fla.
Sinclair Refining Co. ("Four Bros."), Albany, N. Y.
Stevenson Bro. & Co., 110 Race, Phila., Pa.
Stoll Oil Refining Co., Louisville, Ky.
Willcox-Ives & Co., Savannah, Ga.

10332— Oils (Rubbing)

Atlantic Refining Co., 260 S Broad, Phila., Pa.
Indian Refining Co., 244 Madison av, New York
Sinclair Refining Co., Conway bldg, Chicago, Ill.
Swan & Finch Co. ("Bayway", "Excelsior", "Eagle"), 522 5th av, New York
Texas Company, The, Dept. D, 17 Battery pl, New York
See adv index at end of book
Waverly Oil Works Co., 54th & A. V. R. R., Pittsburgh, Pa.
Zero Oil Co., Parkersburg, W. Va.

10333—Oils (Safety Lamp)

Galena-Signal Oil Co., Franklin, Pa.
Sonneborn L. Sons ("Amalie"), 114 5th av, New York
Texas Company, The, Dept. D, 17 Battery pl, New York
See adv index at end of book
Waverly Oil Works Co., 54th & A. V. R. R., Pittsburgh, Pa.

Oils (Screw Cutting)

See Oils, Cutting & Polishing

10334— Oils (Sea Animal)

Cook & Swan Co. Inc. (Sperm Whale, Walrus, Sea Elephant, & Seal), 148 Front, New York

10335— Oils (Seal)

Cook & Swan Co. Inc. (Refined Water White Imp.), 148 Front, New York
Miller's A. D. Sons Co., Columbus & Preble, Pittsburgh, Pa.

10336— Oils (Sesame)

Globe Cotton Oil Mills, 907 E 3rd, Los Angeles, Cal.
Hunnell & Co. Inc., 136 Liberty, New York
Jacob Chas. W. & Allison (Imp.), 18 Cedar, New York
Klipstein A. & Co., 644 Greenwich, New York
Magnus Mabee & Reynard, 257 Pearl, New York
Norden A. & Co. (Imp.), 60 Beaver, New York
Oil Seeds Co., 35 S William, New York
Riddle Chemical Co., 35 S Dearborn, Chicago
See adv index at end of book
Simmons Thos. W. Co. (Imp), 240 California, San Francisco, Cal.

Oils (Sewing Machine)

See Oils, Bicycle & Sewing Machine

10337—Oils (Shingle Stain)

Barclay Naval Stores Co. (Jobbers), 56 Delevan, Brooklyn, N. Y.
Empire Oil Works, Oil City, Pa. Works, Reno, Pa.
General Naval Stores Co., 90 West, New York *See adv index at end of book*
Georgia Pine Turpentine Co. of N. Y., 158 Perry, New York
Humphrey's Paint Co., 244 South av, Rochester, N. Y.
PROTEXOL CORP., 41 Barclay, New York (Protexol Shingle Oils, pale & dark. The dark for making moss green, brush red, slate, etc. The pale a double refined oil for producing the very lightest shades, such as green, gray, etc)
See adv index at end of book
Standard Oil Co., 225 Bush, San Francisco, Cal.
Sonneborn L. Sons ("Amalie"), 114 5th av, New York

10338— Oils (Signal)

Associated Oil Co., 70 New Montgomery, San Francisco, Cal.
Borne-Scrymser Co., 17 Battery pl, New York
Emery Mfg. Co., Bradford, Pa.
Galena-Signal Oil Co. ("Galena"), Franklin, Pa.
Gulf Refining Co., Frick bldg annex, Pittsburgh, Pa.
Natl. Refining Co., 1400 E. 9th, Cleveland, Ohio
Pierce Oil Corp, Bank of Com. bldg, St. Louis, Mo.
Pittsburgh Oil Refining Co., Pittsburgh, Pa.
Sinclair Refining Co., Conway bldg, Chicago, Ill.
Sonneborn L. Sons ("Amalie"), 114 5th av, New York
Swan & Finch Co. ("Bayway", "Excelsior", "Eagle"), 522 5th av, New York
Texas Company, The, Dept. D, 17 Battery pl, New York
See adv index at end of book
Vacuum Oil Co. ("Gargoyle" "Mobiloils"), 61 B'way, New York
Warren Refining Co., Warren, Pa.

10339— Oils (Silk)

Atlantic Refining Co., 260 S Broad, Phila., Pa.
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Mills C. E. Oil Co., Syracuse, N. Y.
Neutrasol Products Corp. ("Neutrasol"), 41 Park Row, New York
Sonneborn L. Sons ("Amalie" for Textile Use), 114 5th av, New York

10340— Oils (Skid)

Du Pont E. I. de Nemours & Co., Inc., Special Products Sec., Wilmington, Del.
See adv index at end of book
Emery Mfg. Co., Bradford, Pa.
Warren Refining Co., Warren, Pa.

10341— Oils (Soluble)

American Oil Corp., Jackson, Mich.
Atlantic Refining Co., 260 S Broad, Phila., Pa.
Bayerson Oil Works ("Emulso" Cutting Oil), Erie, Pa.
Bosson & Lane, Atlantic, Mass.
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Cook & Swan Co. Inc., 148 Front, New York
Damascus Mfg. Co. ("Damascus"), Cassius av, Cleveland, O.
Detroit Soluble Oil Co., 6808 Goldsmith, Detroit, Mich.
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Fiske Bros. Refining Co., 24 State, New York
General Adhesive Mfg. Co., Inc. ("Dragon"), 469 Greenwich, New York
Greenewald Herbert Co. ("H. G."), 1300 Pine, Camden, N. J.
Harding & Fancourt, 516 S Delaware av, Phila., Pa.
Herrick & Voight, 99 John, New York
Houghton E. F. Co. (for Wool), 240H W Somerset, Phila., Pa.
Magnus, Mabee & Reynard, 257 Pearl, New York
Mass & Waldstein Co., 92 William, New York
Moore Oil Co., York & McLean av, Cincinnati, O.
National Aniline & Chemical Co., Inc., 40 Rector, New York
National Oil Products Co., Harrison, N. J.
National Oil & Supply Co. ("Viscos"), 174 Freylinghuysen av, Newark, N. J.
Neutrasol Products Corp., 41 Park Row, New York
Nicol J. M. & J. S., N Paterson, N. J.
Pawtucket Mordant Co., Pawtucket, R. I.
Pennzoil Co., Oil City, Pa.
Providence Drysalters Co., East Greenwich, R. I.
Shaw John & Co., 15 Elkins, S. Boston, Mass.
Sibley Soap Co., Franklin, Pa.
Sonneborn L. Sons ("Amalie"), 262 Pearl, New York
Standard Oil Co. of New York, 555 W 25th, New York
Standard Oil Co. ("Oronite"), 225 Bush, San Francisco, Cal.
Suter Eugene & Co., 160 B'way, New York
Swan & Finch Co. ("Bayway", "Excelsior", "Eagle"), 522 5th av, New York
Talley Co. ("Talco"), New Richmond, O.
Texas Company, The, Dept. D, 17 Battery pl, New York
See adv index at end of book
Thomsen Chemical Co., Race & Winder, Baltimore, Md.
Waverly Oil Works Co., 54th st & A. V. R. R., Pittsburgh, Pa.
Wolf Jacques & Co., Passaic, N. J.

10342— Oils (Soya Bean)

Adams Feed C. Co., 130 N. Wells, Chicago, Ill.
American Trading Co. (Imp.), 25 Broad, New York

American Wood Preserving Co., 8748 N. Marshfield av, Chicago, Ill.
Boyer Kienle Co. Inc., 90 West, New York
Carleton & Moffat (Imp.), 91 Wall, New York
Clark Fred G. Co. (Importers), 1031 W 11th, Cleveland, O.
Cook & Swan Co. Inc. (Imp.), 148 Front, New York
Cooper & Cooper Inc., 23H Cliff, New York
Eberhart J. P. & B. Co., 27 William, New York
Elbert & Co., 27 William, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Francesconi J. C. & Co. (Imp.), 12 Water, New York
Frost F. W. & Co., Inc. (Imp.), 56 Beaver, New York
Gillespie L. C. & Sons (Imp.), 6 Fletcher, New York
Greenewald Herbert Co. ("H. G."), 1300 Pine, Camden, N. J.
Gross Otto (Imp.), 66 Beaver, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Hunnell & Co. Inc., 136 Liberty, New York
Jardine, Matheson & Co. (Imp.), 25 Madison av, New York
Klipstein A. & Co. (Imp.), 644 Greenwich, New York
Link D. C. & Co. (Imp.), Produce Exchange, New York
Mitsui & Co. (Imp.), 65 B'way, New York
Norden A. & Co. (Imp.), 60 Beaver, New York
Oils Seeds Co., 35 S William, New York
Scheel Wm. H. (Imp.), 179 Water, New York *See adv index at end of book*
Simmons Thos. W. & Co. (Imp.), 240 California, San Francisco, Cal.
Swan, Alden S., & Co., 148H Front, New York
Swan & Finch Co. (Imp.), 522 5th av, New York
Tappenbeck W. (Imp.), 82 Wall, New York
Welch, Holme & Clarke Co., 383 West, New York

10343—Oils (Sperm & Whale)

See also Oils, Fish

Baltimore Oil Co., 106 N High, Baltimore, Md.
California Sea Products Co., Russ bldg, San Francisco, Cal.
Cook & Swan Co. Inc. (Imp.), 148 Front, New York
Dodd A. W. & Co., Gloucester, Mass.
Hunnell & Co. Inc., 136 Liberty, New York
Nye Wm. F., New Bedford, Mass.
Robinson W. A. & Co., New Bedford, Mass.
Swan & Finch Co. (Dirs.), 522 5th av, New York
Young Frank L. Co. ("Youkin"), 111 Purchase, Boston, Mass.

10343a— Oils (Sulphonated)

Anchor Color & Gum Wks., Dighton, Mass.
Apex Chemical Co., 461 8th av, New York
Atlantic Refining Co., 260 S Broad, Phila., Pa.
Bent James S. ("Hydroil C"), 117 1st, Boston, Mass.
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Clarendon Refining Co., Clarendon, Pa.
Cook & Swan Co. Inc., 148 Front, New York
Crew-Levick Co., Land Title bldg., Phila., Pa.
Crystal Oil Works, Oil City, Pa.
Emery Mfg. Co., Bradford, Pa.
Empire Oil Works, Oil City, Pa.
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Greenewald Herbert Co. ("H.G."), 1300 Pine, Camden, N. J.
Gulf Refining Co., Frick bldg annex, Pittsburgh, Pa.
Herrick & Voight, 99 John, New York
Hunnell & Co., 136 Liberty, New York
National Oil Products Co., Harrison, N. J.
Neutrasol Products Corp., 41 Park Row, New York
Paragon Refining Co., (Paragon Top Oil), Toledo, O.
Seydel Mfg. Co., 88 Forrest, Jersey City, N. J.
Shaw & Co., John, 15 Elkins, S Boston, Mass.
Sonneborn L. Sons, 114 5th av, New York
Sunbeam Chemical Co., 198 Pacific av, Jersey City, N. J.
Western Paper Makers Chemical Co., Kalamazoo, Mich.
Wolf Jacques & Co., 369 Harrison, Passaic, N. J.

10343b— Oils (Synthetic)

Halowax Corp. (For Rubber Manufacturing), 247 Park av, New York
National Aniline & Chemical Co., Inc., 40 Rector, New York
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.
Van Dyk & Co., 6 Platt, New York

10343c— Oils (Tallow)

See also Oils, Oleo

Armour & Co., 208 S La Salle, Chicago, Ill.
Burckardt & Co., Cincinnati, O.
Cook & Swan Co., Inc., 148 Front, New York
Cudahy Packing Co., 11 W Monroe, Chicago, Ill.
Morris & Co., U. S. Yards, Chicago, Ill.
National Oil Products Co., Harrison, N. J.
Swift & Co., Union Stock Yards, Chicago, Ill.

10344— Oils (Tanners')

Atlantic Refining Co., 260 S Broad, Phila., Pa.
Bradford Oil Co., Inc., Lynn, Mass.
Cook & Swan Co. Inc. (Imp.), 148 Front, New York
Emery Mfg. Co., 42 Main, Bradford, Pa.
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Greenewald Herbert Co. ("H.-G."), 1300 Pine, Camden, N. J.
Houghton E. F. & Co. ("C. L."), 240 W Somerset, Phila., Pa.
Indian Refining Co., 244 Madison av, New York
National Oil Products Co., Harrison, N. J.
Natl. Refining Co., 1400 E. 9th, Cleveland, Ohio
Ricard-Brewster Oil Co., 110 Orange, Wilmington, Del.
Sonneborn L. Sons ("Amalie" & Greases), 114 5th av, New York
Texas Company, The, Dept. D, 17 Battery pl, New York
See adv index at end of book
Vacuum Oil Co. ("Gargoyle" "Mobiloils" "Mobilubricant"), 61 B'way, New York
Warren Refining Co., Warren, Pa.

10345— Oils (Tar)

Adams Fred C. Co., 130 N. Wells, Chicago, Ill.
Florida Wood Products Co., Jacksonville, Fla.
Fuerst Bros. & Co. (Imp.), 2 Stone, New York
General Naval Stores Co., 90 West, New York
Georgia Pine Turpentine Co. of N. Y., 158 Perry, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Industrial Chemical Co. (Acid), 1414 Fifth Ave. bldg, New York
See adv index at end of book
Mailliard & Schmiedell (Mfrs. Agts.), 303 California, San Francisco, Cal.
Mills C. E. Oil Co., Syracuse, N. Y.
Natl. Refining Co., 1400 E. 9th, Cleveland, Ohio
North Carolina Naval Stores Co., Wilmington, N. C.
Pacific Phenols Corp., 785 Market, San Francisco, Cal.
Pensacola Tar & Turpentine Co., Gull Point, Fla.
Protexol Corp., 41 Barclay, New York
See adv index at end of book
Spirittine Chemical Co. ("Spirittine"), Wilmington, N. C.
Texas Company, The, Dept. D, 17 Battery pl, New York
See adv index at end of book

10346— Oils (Tempering)

Atlantic Refining Co., 260 S Broad, Phila., Pa.
Borne-Scrymser Co., 17 Battery pl, New York
Climax Refining Co., Williamson bldg, Cleveland, O.
Cook & Swan Co. Inc., 148 Front, New York
Emery Mfg. Co., Bradford, Pa.
Empire Oil Works, Oil City, Pa. Works: Reno, Pa.
Gulf Refining Co., Frick bldg annex, Pittsburgh, Pa.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Houghton E. F. & Co., 240 W Somerset, Phila., Pa.
Indian Refining Co., 244 Madison av, New York
Penn American Refining Co., Oil City, Pa.
Pennsylvania Paraffine Wks., Titusville, Pa.
Pittsburgh Oil Refining Co., Pittsburgh, Pa.
Pure Oil Co., Lafayette bldg, Phila., Pa.
Robinson W. A. & Co. (Sperm & Whale), New Bedford, Mass.
Russia Cement Co., Gloucester, Mass.
Sinclair Refining Co., Conway bldg., Chicago, Ill.
Sonneborn L. Sons ("Amalie"), 114 5th av, New York
Standard Oil Co., 225 Bush, San Francisco, Cal.
Swan & Finch Co. ("Bayway", "Excelsior", "Eagle"), 522 5th av, New York
Texas Company, The, Dept. D, 17 Battery pl, New York
See adv index at end of book
Warren Refining Co., Warren Pa.
Waverly Oil Works Co., 54th st & A. V. R. R., Pittsburgh, Pa.
Young Frank L. Co. ("Youkin"), 111 Purchase, Boston, Mass.
Zurn O. F. Co., Broad & Lehigh, Phila., Pa.

10346a— Oils (Textile)

Atlantic Refining Co., 260 S Broad, Phila., Pa.
Fiske Bros. Refining Co., 24H State, New York
Houghton E. F. Co., 240H W Somerset, Phila., Pa.
Loos & Dilworth, 132 & 134H S Front, Phila., Pa.
Moore Oil Refining Co., Dept. H, York and McLean av, Cincinnati, Ohio
National Oil Products Co., Dept. H, Harrison, N. J.
Neutrasol Products Corp., 41 Park Row, New York
Onyx Oil & Chemical Co., 18H Exchange pl, Jersey City, N. J.
Swan & Finch Co., 522H 5th av, New York

10347— Oils (Tinners')

Macneal Jas. B. & Co. ("Oriole"), Warner & Wooster, Baltimore, Md.

10348— Oils (Transformer)

Atlantic Refining Co., 260 S Broad, Phila., Pa.
Borne-Scrymser Co., 17 Battery pl, New York
Climax Refining Co., Williamson bldg, Cleveland, O.
Emery Mfg. Co., Bradford, Pa.
Franklin Quality Refining Co., Franklin, Pa.
GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book
Gulf Refining Co., Frick bldg annex, Pittsburgh, Pa.
Natl. Refining Co., 1400 E. 9th, Cleveland, Ohio
Pennsylvania Paraffine Wks., Titusville, Pa.
Pure Oil Co., Lafayette bldg, Phila., Pa.
Sinclair Refining Co., Conway bldg., Chicago, Ill.
Sonneborn L. Sons ("Amalie"), 114 5th av, New York
Sun Co., 1240H Finance bldg, Phila., Pa.
Texas Company, The (There's a Texaco Lubricant for Every Purpose), Dept, D, 17 Battery pl, New York
See adv index at end of book
Tidewater Oil Co., 11 Broadway, New York
Vacuum Oil Co. ("Gargoyle," "Mobiloils," "Mobilubricants"), 61 B'way, New York
Warren Refining Co., Warren, Pa.
Waverly Oil Works Co., 54th st & A. V. R. R., Pittsburgh, Pa.

10349—Oils (Turbine Engine)

Atlantic Refining Co. (Light Medium, Heavy, Extra Heavy), 260 S Broad, Phila., Pa.
Borne-Scrymser Co., 17 Battery pl, New York
Climax Refining Co., Williamson bldg, Cleveland, O.
Cook & Swan Co. Inc., 148 Front, New York
Emery Mfg. Co., Bradford, Pa.
Franklin Quality Refining Co., Franklin, Pa.
Galena-Signal Oil Co., Franklin, Pa.
Gulf Refining Co., Frick bldg annex, Pittsburgh, Pa.
Independent Refining Co. (Ltd.), Oil City, Pa.
Indian Refining Co., 244 Madison av, New York
Kellogg E. H. & Co. ("Anti-Friction"), 659 Water, New York
Natl. Refining Co., 1400 E. 9th, Cleveland, Ohio
Penn American Refining Co., Oil City, Pa.
Pennsylvania Paraffine Wks., Titusville, Pa.
Pennzoil Co., Oil City, Pa.
Pigot Sayre Co., 29 B'way, New York
Pittsburgh Oil Refining Co., Pittsburgh, Pa.
Pure Oil Co., Lafayette bldg, Phila., Pa.
Sinclair Refining Co., Conway bldg, Chicago, Ill.
Standard Oil Co., 225 Bush, San Francisco, Cal.
Stevenson Bro. & Co., 110 Race, Phila., Pa.
Swan & Finch Co. ("Bayway", "Excelsior", "Eagle"), 522 5th av, New York
TEXAS COMPANY, THE ("Texaco"—there's no better lubricant for turbines), Dept. D, 17 Battery pl, New York
See adv index at end of book
Tidewater Oil Co., 11 B'way, New York
Vacuum Oil Co. ("Gargoyle," "Mobiloils," "Mobilubricant"), 61 B'way, New York
Warren Refining Co., Warren, Pa.
Waverly Oil Works Co., 54th st & A. V. R. R., Pittsburgh, Pa.

10350— Oils (Typewriter)

Emery Mfg. Co., Bradford, Pa.
Heale J. A. & Co. ("H. & B."), 81 Chambers, New York
Indian Refining Co., 244 Madison av, New York
Miller-Bryant-Pierce Co. ("Diamond"), **Aurora, Ill.**
Natl. Refining Co., 1400 E. 9th, Cleveland, Ohio
Nye Wm. F. ("Nyoil"), New Bedford, Mass.
Pennzoil Co., Oil City, Pa.
Sinclair Refining Co., Conway bldg, Chicago, Ill.
Sonneborn L. Sons ("Amalie"), 114 5th av, New York
Texas Company, The ("Texaco Home" Lubricant), Dept. D, 17 Battery pl, New York
See adv index at end of book
Waverly Oil Works Co., 54th st & A. V. R. R., Pittsburgh, Pa.

10351— Oils (Valve)

Atlantic Refining Co., 260 S Broad, Phila., Pa.
Berne-Scrymser Co., 17 Battery pl, New York
Climax Refining Co., Williamson bldg, Cleveland, O.
Cook & Swan Co. Inc., 143 Front, New York
Emery Mfg. Co., Bradford, Pa.
Empire Oil Works, Oil City, Pa. Works, Reno, Pa.
Franklin Oil Wks., Franklin, Pa.
Galena-Signal Oil Co., Franklin, Pa.
Gulf Refining Co., Frick bldg annex, Pittsburgh, Pa.
Indian Refining Co., 244 Madison av, New New York
Penn American Refining Co., Oil City, Pa.
Pennsylvania Paraffine Wks., Titusville, Pa.
Pennzoil Co., Oil City, Pa.
Pittsburgh Oil Refining Co., Pittsburgh, Pa.
Pure Oil Co., Lafayette bldg, Phila, Pa.
Sinclair Refining Co., Conway bldg., Chicago, Ill.
Standard Oil Co., 225 Bush, San Francisco, Cal.
Texas Company, The (There's a Texaco Lubricant for Every Purpose), Dept. D, 17 Battery pl, New York
See adv index at end of book
Tidewater Oil Co., 11 B'way, New York
Vacuum Oil Co. ("Gargoyle," "Mobiloils," "Mobilubricant"), 61 B'way, New York
Waverly Oil Works Co., 54th st & A. V. R. R., Pittsburgh, Pa.

10352— Oils (Vegetable)

Alexander H. T. & Co., 17 Battery pl, New York
Cook & Swan Co. Inc. (Imp.), 143 Front, New York
Cooper & Cooper Inc., 23H Cliff, New York
Corn Products Refining Co. ("Globe," "Diamond," "Mazola" & "Argo"), 17 Battery pl, New York
Elbert & Co., 27 William, New York
Falkenburg Trading Co., 116 Yesler Way, Seattle, Wash.
Fearon Brown Co. (Imp.), 96 Wall, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Philadelphia, Pa.
See adv index at end of book
Francesconi J. C. & Co. (Imp.), 12 Water, New York
Fuerst Bros. & Co. (Imp.), 2 Stone, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Hartmann Pacific Co., Inc. (Imp.), 80 Wall, New York
Kirk, W. R., 327 S. La Salle, Chicago, Ill.
Knapp Edw. J. Candle Co. (Imp.), Syracuse, N. Y.
Loos & Dilworth, 132-34H S. Front, Phila., Pa.
Mitsui & Co. (Imptrs.), 65 B'way, New York
Nye Wm. F., New Bedford, Mass.
Oil Seeds Co., 35 S William, New York
Pierce Co., East Rochester, N. Y.
Portland Vegetable Oil Mills Co., 530 N Front, Portland, Ore.
Southern Cotton Oil Co., ("Scoco"), 120 B'way, New York
Stern D. S. Co. (Imp.), 46 Davis, San Francisco, Cal.
Suter Eugene & Co., 160 B'way, New York
Union Petroleum Co., Widener bldg, Phila., Pa.
Wilbur Ellis Co. (Imp.), 311 California, San Francisco, Cal.

10352a2— *Oils (Vitriol)

DU PONT E. I. de NEMOURS & CO., INC. (Lithopone, Pigments & Heavy Chemicals Div.), 3500 Grays Ferry rd, Phila., Pa. *See adv index at end of book*

10353—Oils (Waterproofing)

Cook & Swan Co. Inc., 143 Front, New York
Protexol Corp., 41 Barclay, New York
See adv index at end of book
Waverly Oil Works Co., 54th st & A. V. R. R., Pittsburgh, Pa.

10354— Oils (Water-White)

See also Oils, Kerosene

American Oil Works (Ltd.), Titusville, Pa.
Atlantic Refining Co., 260 S Broad, Phila., Pa.
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Clarendon Refining Co., Clarendon, Pa.
Crew Levick Co., 219 N. Broad, Phila., Pa.
Crystal Oil Works, Oil City, Pa.
Emery Mfg. Co., Bradford, Pa.
Empire Oil Works, Oil City, Pa.
Gulf Refining Co., Frick bldg annex, Pittsburgh, Pa.
Independent Refining Co., Ltd., Oil City, Pa.
Indian Refining Co., 244 Madison av, New York
Malone Oil Co. (Mineral), 2197 E 18th, Cleveland, O.
Mutual Refining Co. (Ltd.), Warren, Pa.
Natl. Refining Co., 1400 E. 9th, Cleveland, Ohio
Penn American Refining Co., Oil City, Pa.
Pennsylvania Paraffine Wks., Titusville, Pa.
Pennzoil Co., Oil City, Pa.
Pittsburgh Oil Refining Co., Pittsburgh, Pa.
Pure Oil Co., Lafayette bldg, Phila., Pa. York
Tidewater Oil Co., 11 Broadway, New York
Warren Refining Co., Warren, Pa.
Waverly Oil Works Co., 54th st & A. V. R. R., Pittsburgh, Pa.

10354a—Oils (Wintergreen)

Mallinckrodt Chemical Works, 2nd & Mallinkrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park pl, New York
Riddle Chemical Co. (Leaves [Gaulthera] Natural [Sweet Birch] Synthetic), 35 S Dearborn, Chicago
See adv index at end of book

10355-6— Oils (Wood)

See also Oils, Pine

Armiger Chemical Co. ("Rex"), 2155 Austin av, Chicago, Ill.
Fuerst Bros. & Co. (Imp.), 2 Stone, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Klipstein A. & Co. (Imp.), 644 Greenwich, New York
Marden, Orth & Hastings Co. (Imp. China), 126 Liberty, New York
Newton Chemical Co., Olean, N. Y.
Norden A. & Co. (Imp. China), 60 Beaver, New York
Paterson, Boardman & Knapp, 10 Bridge New York
Peabody Henry W. & Co., 17 State, New York
Sonneborn L. Sons ("Amalie"), 114 5th av, New York

10357—Oils (Wool & Cordage)

Arabol Mfg. Co., 110 E 42nd, New York
Atlantic Refining Co., 260 S Broad, Phila., Pa.
Bradford Oil Co., Inc., Lynn, Mass.
Central Refining Co. (Cordage), Lawrenceville, Ill.
Cook & Swan Co. Inc., 143 Front, New York
Crew-Levick Co., 219 N Broad, Phila., Pa.
Emery Mfg. Co., Bradford, Pa.
Fancourt W. F. & Co., Inc., 516 S. Delaware, Phila., Pa.
Gulf Refining Co. (Cordage), Frick bldg annex, Pittsburgh, Pa.
Houghton E. F. & Co. 240 W. Somerset, Phila., Pa.
National Oil Products Co. Harrison, N. J.
Neutrasol Products Corp. (Wool Only), 41 Park Row, New York
Penna. & Del. Oil Co. (Cordage), 90 West, New York
Pennsylvania Paraffine Wks., Titusville, Pa.
Pigot Sayre Co., 29 Broadway, New York
Seydel Mfg. Co., 88 Forrest, Jersey City, N. J.
Sinclair Refining Co., Conway bldg, Chicago, Ill.
Sonneborn L. Sons Inc., 114 5th av, New York.
Standard Oil Co. (Cordage), 225 Bush, San Francisco, Cal.
Swan & Finch Co. (Economic), 522 5th av, New York
Warren Refining Co., Warren, Pa.
Waverly Oil Works Co., 54th st & A. V. R. R., Pittsburgh, Pa.
Wolf Jacques & Co. 369 Harrison, Passaic, N. J.

10357a—Oils (Worm Gear)

Atlantic Refining Co., 260 S Broad, Phila., Pa.
Cook & Swan Co., Inc. ("N. B. C." Brand Castor Worm Gear), 143 Front, New York
Pigot Sayre Co., 29 B'way, New York
Standard Oil Co. (Elevator), 225 Bush, San Francisco, Cal.
Texas Company, The, Dept. D, 17 Battery pl, New York
See adv index at end of book
Waverly Oil Works Co., 54th st & A. V. R. R., Pittsburgh, Pa.

10358— Oleates

Harshaw, Fuller & Goodwin Co., 545 Hanna blvd, Cleveland, O.
See adv index at end of book
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
National Oil Products Co., Harrison, N. J.
Scheel Wm. H. (Imported), 179 Water, New York *See adv index at end of book*

10359— Oleine

Bosson & Lane, Atlantic, Mass.
Cooper & Cooper Inc., 23H Cliff, New York

10360— Oleum

Atlas Powder Co., Wilmington, Del.
Butterworth Judson Corp., 30 Church, New York
Century Gy. Pressure Concrete Co., 2516 5th, Berkeley, Cal.
Contact Process Co., 351 Abbott rd
Monsanto Chemical Works, 1300 S 2nd, St. Louis, Mo.
Southern Acid & Sulphur Co., Rialto bldg, St. Louis, Mo.
Stauffer Chemical Co., 624 California, San Francisco, Cal.

10361— Onyx Importers

Jackson C. D. & Co., Locust & 140th, New York
Southwest Onyx & Marble Co. ("Pedrara"), San Diego, Cal.
Tompkins, Kiel Marble Co., 505 5th av, New York

10362— Onyx Workers

Christa Marble Co., 1625 St. Aubin, Detroit, Mich.
Klaber S. & Co., 144 W 55th, New York
McGratty & Sons, 313 Butler, Brooklyn, N. Y.
Pickel Marble & Granite Co., 1901 N B'way, St. Louis, Mo.
Standard Marble Works, 706 Front, Cincinnati, O.
Theis Peter Sons, 636 1st av, New York

10363— Openers (Bottle)

Arcade Mfg. Co. ("Champion" Wire Cutter & Crown Seal Remover), Freeport, Ill.
Baldwin C. S. Mfg. Co. ("Milford"), Cherry, Milford, Conn.
Berk Bros. (Imp.), 543 Broadway, New York
Bulman E. O. Mfg. Co., Grand Rapids, Mich.
Farrell W. J., 78 Broad, New York
Flagg Stanley G. & Co., Morris bldg, Phila., Pa.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Jenkinson R. C. & Co. (Wire Bottle Cap Removers), 293 Washington, Newark, N. J.
K. & O. Company, 366 Butler, Brooklyn, N. Y.
Reading Saddle & Mfg. Co. (For Cap Bottles), Reading, Pa.
Stephens, Windsor & Co. ("Open Close," "Milk Bottle," "Open & Stopper," "Dainty" Cap Remover Handle), Waltham, Mass.
Titchener-Diehl Co., 1344-48 W Austin av, Chicago, Ill.
Vaughan Novelty Mfg. Co. ("Vaughan's Never Chip" and "Over the Top" Stationery Crown), 2309 Canal av, Chicago, Ill.
Wickwire Spencer Steel Corp. ("Eclipse"), 41 E 42nd, New York
See adv index at end of book

Openers (Box)

See Chisels, Box Openers

10364— Openers (Can)

American Cutlery Co. ("Ideal"), 764 Mather, Chicago, Ill.
Arcade Mfg. Co. (Steel Blade, Wood Handle), Freeport, Ill.
Baldwin C. S. Mfg. Co. ("Milford"), Cherry, Milford, Conn.
Berk Bros., 543 Broadway, New York
Bradley & Farnham ("Dandy," "Ever Ready," "Excelsior," "Hercules," "Little Giant," "Peerless"), Middlefield, Conn.

Browne W. G. Mfg. Co. ("Perfection," "The Best," "None Such," "I X L," "Shear Cut Clipper," "Keen-O," etc.), Kingston, N. Y.
Browne & Dowd Mfg. Co. ("Never-Slip," "XXX," "Diamond," "Crescent," "Sprague," "King" & "Star," with Corkscrew), Meriden, Conn.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Buhles W. C., 1540 San Pablo av, Oakland, Cal.
Bullock Mfg. Associates, Springfield, Mass.
Cassady Fairbank Mfg. Co. ("Supreme," "Buckeye," "Trinity"), 6126 S La Salle, Chicago, Ill.
Crescent Mfg. Co., Fremont, O.
Ellis Mfg. Co. ("Dandy," "Ever Ready," "Excelsior," "Hercules," "Little Giant"), Milldale, Conn.
Fletcher, Terry Co. ("Sprague"), Forestville, Conn.
Goodell Co. ("Goodell" & "Ferren" Machines), Antrim, N. H.
Graef & Schmidt ("Twin Brand"), 107 Chambers, New York
Graham John H. & Co. ("Peerless" "Delmonico"), 113 Chambers, New York
Grey Iron Casting Co., Mt. Joy, Pa.
Hamblin & Russell Mfg. Co. ("Ideal"), 28 Water, Worcester, Mass.
Handy Things Mfg. Co. ("Handy"), Ludington, Mich.
Hills Edward, Plainville, Conn.
Knickerbocker Mfg. Co. ("20th Century"), Belleville, N. J.
Kraeuter & Co., 583 18th av, Newark, N. J.
Landers, Frary & Clark, New Britain, Conn.
Lo Vis Co., Kalamazoo, Mich.
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Mapson Mfg. Co., 2931 Whittier bldg, Los Angeles, Cal.
Nicol & Co. ("I. X. L."), 218 N Jefferson, Chicago, Ill.
Ontario Knife Co., Franklinville, N. Y.
Osborne C. S. & Co., Box 183, Newark, N. J.
See adv index at end of book
Parker Wire Goods Co. ("Ideal"), Worcester, Mass.
Paschall Tool Co. ("Sur-Enuf"), 1401 W 7th, Long Beach, Cal.
Premier Machinery Co., 310 Sansome, San Francisco, Cal.
See adv index at end of book
Reading Saddle & Mfg. Co. ("Reading") Reading, Pa.
Richard Stephen Co. ("S. R."), South bridge, Mass.
Rockford Metal Specialty Co. (Rotary Circular), Rockford, Ill.
Rocky Hill Hardware Co., Rocky Hill, Conn.
Saal H. G. Co., 1800 Montrose av, Chicago, Ill.
Sargent & Co., 25 Water & Wallace, New Haven, Conn.
Southington Hardware Co., Southington, Conn.
Sperry & Alexander Co. ("Centaur" Openers & Key Hooks), 79 Chambers, New York
Sure Seal Bottle Capper Co. ("Industro"), 2650 Coyne, Chicago, Ill.
Tafo Mfg. Co. ("Easy Cutter"), 1451 Vista, Los Angeles, Cal.
Taplin Mfg. Co., New Britain, Conn.
Taylor Mfg. Co. ("Yankee," "Nifty" & "Little Gem" Can & Bottle Opener), 18 Asylum, Hartford, Conn.
Turner & Seymour Mfg. Co. ("Blue Streak"), Torrington, Conn.
Vaughan Novelty Mfg. Co., 711 Fulton, Chicago, Ill.
Washburn Co. (Andrews Division) ("Androck"), Preston, Rockford, Ill.
White Ira F. & Son ("Sure Cut", "Woods," "Midget," "Bull Dog" Can & Bottle), Bloomfield, N. J.
Wrightsville Hardware Co. ("Hopper"), Wrightsville, Pa.

10365—Openers (Casement)

Auer John Jr. (Wrought), 197 Middleton, Brooklyn, N. Y.
Ellison Brass Mfg. Co., Jamestown, N. Y.
MALLORY MANUFACTURING CO., Flemington Natl. Bank bldg, Flemington, N. J. *See adv index at end of book*

10366—Openers (Cigar Box)

Amer. Cutlery Co., 764 Mather, Chicago, Ill.
Arcade Mfg. Co., Freeport, Ill.
Duffy Mfg. Co., 214 W Grand av, Chicago, Ill.
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Nicol & Co., 218 N Jefferson, Chicago, Ill.
Osborne C. S. & Co., Box 183, Newark, N. J.
See adv index at end of book
Stortz John & Son, 210 Vine, Phila., Pa.
Vaughan Novelty Mfg. Co., 711 Fulton, Chicago, Ill.

Openers (Crate)

See Chisels, Box Openers

10367— Openers (Egg)

Taplin Mfg. Co. ("Champion"), New Britain, Conn.

Openers (Fruit Jar)

See Wrenches, Fruit Jar

10367a—Openers (Garage Door)

Allith Prouty Co. ("Electromatic"), Danville, Ill.
Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book

10368— Openers (Letter)

American Cutlery Co., 764 Mather, Chicago, Ill.
Atwater S. L., 101 Lafayette, New York
Bircher Co., Inc. ("Lightning"), 73 Exchange, Rochester, N. Y.
Celluloid Co., 36 Wash. pl, New York
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Hart H. C. Mfg. Co., Unionville, Conn.
Lightning Letter Opener Co. ("Lightning"), Rochester, N. Y.
Mihli & Allegretti, Geneva, N. Y.
Novelty Cutlery Co., Canton, O.
O. K. Mfg. Co. (Ries "O.K."), Oswego, N. Y.
Tiley, Pratt Co. (Bone), Essex, Conn.
Vaughan Novelty Mfg. Co., 711 Fulton, Chicago, Ill.
Wallace R. & Sons Mfg. Co., Wallingford, Conn.

10369—Openers (Sash Ventilator for Cars)

See also Adjusters, Casement

Wallace Supplies Mfg. Co., 1312 Diversey parkway, Chicago, Ill.

10369a—Openers (Spring Leaf)

Millers Falls Co. (West Haven Plant), ("West Haven"), Dept. H, Millers Falls, Mass.

10370—Opera Chairs & Assembly Seating

American Seating Co., 14 E Jackson blvd, Chicago, Ill.
Andrews A. H. Co., 107 S Wabash av, Chicago, Ill.
Cook Furniture & Equipment Co., Commercial Trust bldg., Phila., Pa.
Hardesty Mfg. Co., Dover, O.
Heywood Bros. & Wakefield Co., Gardner, Mass.
Moore Mfg. Co., Springfield, Mo.
Peabody School Furniture Co., North Manchester, Ind.
Readsboro Chair Co., Readsboro, Vt.
Rowles E. W. A. Co., 2345 S La Salle, Chicago, Ill.
Stafford E. H. Mfg. Co., 367 W Adams, Chicago, Ill.

10371— Ophthalmoscopes

Spencer Optical Co., 461 8th av, New York

10372—Optical Goods Mfrs.

See also Lenses

American Optical Co., Southbridge, Mass.
Bachmann Bros., 609 Commerce, Phila., Pa.
Bausch & Lomb Optical Co. (Ophthalmic Instruments & Ophthalmic Lenses), 637 St. Paul, Rochester, N. Y.
Bay State Optical Co. ("Besto" Gold Filled Eye Glass Frames, Eye Glass Chains, etc), Attleboro, Mass.
Brown D. V., 738 Sansom, Phila., Pa.
Central Optical Co., Southbridge, Mass.
Du Paul, Young Optical Co., Southbridge, Mass.
Empire Optical Co., Rochester, N. Y.
Gundlach-Manhattan Optical Co., Rochester, N. Y.
Hope Bros., 519 Gay, Knoxville, Tenn.
Johnston Optical Co., 1248 Washington blvd, Detroit, Mich.
Kirby G. J. Co., Willimantic, Conn.
Leominster Shell Goods Mfg. Co. (Celluloid), Leominster, Mass.
Lowres G. J. & Co. (Spectacle & Eye Glass Frames & Mountings), 344 Mulberry, Newark, N. J.
Martin-Copeland Co., 101 Salem, Providence, R. I.
Mayer Geo. & Co., 728 Sansom, Phila., Pa.
Michigan Optical Co., 625 Beacon, Detroit, Mich.
Mohr R. & Sons, San Francisco, Cal.
New Era Optical Co., 17 N Wabash av, Chicago, Ill.
New Jersey Optical Co., 91 Runyon, Newark, N. J.
Optical Specialty Mfg. Co., Southbridge, Mass.
Pennsylvania Optical Co. (Spectacles, etc.), Reading, Pa.
Reisner W. H. Mfg. Co. (Specialties), Hagerstown, Md.
Riggs Optical Co., Omaha, Neb.
Spencer Optical Co., 461 8th av, New York
Standard Optical Co., Geneva, N. Y.
White-Haines Optical Co., Columbus, O.
Williams, Brown & Earle, 918 Chestnut, Philadelphia, Pa.
Wollensack Optical Co., Rochester, N. Y.
Orange Box Strapping, see Strapping (Box), also Box Straps

10372a— Orange Mineral

Eagle Picher Lead Co. ("Picher"), 208 S La Salle, Chicago, Ill.

10373—Ordnance (Light & Heavy)

Bay City Forge Co., 1820 Cranberry, Erie, Pa.
Bethlehem Steel Co. (Of All Calibres), South Bethlehem, Pa.
Colts Patent Fire Arms Mfg. Co. (Rapid Fire Machine Guns), 17 Vandyke av, Hartford, Conn.
Driggs Ordinance & Mfg. Corp'n (Rapid Fire Machine Guns), New Haven, Conn.
General Ordnance Co., Derby, Conn.
Pacific Arms Corp. ("Pacific Arms"), 948 Market, San Francisco, Cal.
Savage Arms Co. ("Lewis" Machine Guns), 50 Church, New York
Watervliet Arsenal, Watervliet, N. Y.

10374— Ore (Emery)

Lavino E. J. & Co. (Imp.), Bullitt bldg, Phila., Pa.

Ore Trestles & Tipples (Steel)

See Tipples, Mine

10375— Ores (Aluminum)

Aluminum Ore Co., East St. Louis, Ill.
Earle E. P., 165 B'way, New York

10376— Ores (Antimony)

Earle E. P., 165 B'way, New York
Foote Mineral Co. (Imp.), 109 N 19th, Phila., Pa.
Fuerst Bros. & Co., 2 Stone, New York
General Commercial Co., Ltd., of U. S. (Imp.), 90 W Broadway, New York
Gross Otto (Imp.), 66 Beaver, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna blvd, Cleveland, O.
See adv index at end of book
International Minerals & Metals Corp., 61H Broadway, New York
Leavitt C. W. & Co., 34 Church, New York
See adv index at end of book
Philipp Bros., Inc., 233 B'way, New York

10377— Ores (Bauxite)

General Commercial Co., Ltd., of U. S. (Imp.), 90 W Broadway, New York

10378— Ores (Bismuth)

Earle E. P., 165 B'way, New York
Philipp Bros., Inc., 233 B'way, New York

10379— Ores (Chrome)

Foote Mineral Co., 109 N 19th, Phila., Pa.
Foundry Manganese Co., Harrison bldg, Phila., Pa.
Harbison-Walker Refractories Co. (For Basic Open-Hearth Furnaces, etc), Farmers' Bank bldg, Pittsburgh, Pa.
Hoff Magnesite Co., 333 Monadnock bldg., San Francisco, Cal.
Humphreys E. C. Co., 624 Penobscot, Detroit, Mich.
Iron Trade Products Co., Farmers Bank bldg., Pittsburgh, Pa.
Lavino E. J. & Co. (Imp.), Bullitt bldg, Phila., Pa.
Leavitt C. W. & Co., 34 Church, New York
See adv index at end of book
Mitsui & Co. (Imptrs.), 65 B'way, New York
National Sales & Trading Co., Cleveland, O.
Naylor & Co., 120 B'way, New York
Philipp Bros., Inc., 233 B'way, New York
Samuel Frank & Co., Harrison bldg, Phila., Pa. *See adv index at end of book*
Shimer & Co. Inc., Bullitt bl., Phila., Pa.
Standard Oil Co., 200 Bush, San Francisco, Cal.
Tennant C. Sons & Co. of N. Y. (Imp.), 19 W 44th, New York
U. S. Nickel Co. (New Caledonian Imptr), New Brunswick, N. J.

10380-1— Ores (Copper)

American Metal Co., 61 B'way, New York
Bell Copper Co., 681 Market, San Francisco, Cal.
Calumet & Hecla Mining Co., Calumet, Mich.
Ducktown Sulphur, Copper & Iron Co. (Mattes), Isabella, Tenn.
Earle E. P., 165 B'way, New York
General Commercial Co., Ltd., of U. S. (Imp.), 90 W Broadway, New York
Huff Electrostatic Separator Co. (With Heavy Ganguls), 60 India, Boston Mass.

(Continued on following page)

Ores (Copper)—Continued

International Mineral & Metals Co., 61H Broadway, New York
Irvington Smelting & Refining Works, Irvington, N. J.
Leavitt C. W. & Co., 34 Church, New York
See adv index at end of book
Mitsui & Co. (Imp.), 65 B'way, New York
North American Copper Co., 52 Vanderbilt av, New York
Philipp Bros., Inc., 233 B'way, New York
Tottenville Copper Co., Bedell, Tottenville, N. Y.
U. S. Metals Refining Co., 61 B'way, New York
United States Smelting, Refining & Mining Co., 55 Congress, Boston, Mass.
Vogelstein L. & Co., 42 B'way, New York

10382— Ores (Gold)

Irvington Smelting & Refining Works, Irvington, N. J.
Philipp Bros., Inc., 233 B'way, New York
Round Mountain Mining Co., Montgomery, San Francisco, Cal.
U. S. Metals Refining Co., 61 B'way, New York
United States Smelting, Refining & Mining Co., 55 Congress, Boston, Mass.

10383— Ores (Iron)

Addy Matthew Co., 1st Natl. Bank bldg, Cincinnati, O.
Allegheny Ore & Iron Co., Buena Vista, Va.
American Manganese Mfg. Co., Bullitt bldg., Phila., Pa.
Benson Mines Co. (Miners), Benson Mines, St. Lawrence Co., N. Y.
Bethlehem Steel Co., Bethlehem, Pa.
Biwabik Mining Co., Youngstown, O.
Brown Mining Co., Cardiff, Tenn.
Cheever Iron Ore Co., Port Henry, N. Y.
Citico Furnace Co., 42 Chamberlin bl., Chattanooga, Tenn.
Cleveland Cliffs Iron Co., Rockefeller bldg, Cleveland, O.
Cornwall Ore Bank Co. (Miners), Cornwall, Pa.
Davidson Ore Mining Co., White bldg, Buffalo, N. Y.
Debevoise-Anderson Co., 114 Liberty, New York
Dover Iron Co., Bear Spring, Tenn.
Earle E. P., 165 B'way, New York
Empire Steel & Iron Co., Catasauqua, Pa.
Florence Iron Co. of Wisconsin, 25 Broad, New York
Hanna M. A. & Co., Leader News bldg., Cleveland, O.
International Minerals & Metals Co., 61H Broadway, New York
Iron Trade Products Co., Farmers Bank bldg., Pittsburgh, Pa.
Iron & Ore Corp. (Imp.), 17 Broadway, New York
Lafollette Coal & Iron Co., Lafollette, Tenn.
Lake Erie Ore Co., Rockefeller bldg, Cleveland, O.
Leavitt C. W. & Co., 34 Church, New York
See adv index at end of book
Le Belle Iron Works, Steubenville, O.
Loretto Iron Co., 1400 Fulton, Chicago, Ill.
McKinney Steel Co., Perry Payne bldg, Cleveland, O.
Mineral Mining Co., Milwaukee, Wis.
Napier Iron Works, 4th & 1st bl., Nashville, Tenn.
Naylor & Co., 120 B'way, New York
Oglebay, Norton & Co., Wade bldg, Cleveland, O.
Pewabic Co., Milwaukee, Wis.
Pickands, Brown & Co., 332 S. Michigan av, Chicago, Ill.
Pickands, Mather & Co., Union Trust bldg, Cleveland, O.
Port Henry Iron Ore Co., 2 Rector, New York
Quinn Clement K. & Co., Alworth bldg., Duluth, Minn.
Rogers-Brown Iron Co., Erie County Bk. bldg, Buffalo, N. Y.
Samuel Frank & Co., Harrison bldg, Phila. Pa. *See adv index at end of book*
Shenango Furnace Co. (Bessemer & Non-Bessemer), Oliver bldg, Pittsburgh, Pa.
Shimer & Co. Inc. (Foreign & Domestic), Bullitt bl., Phila., Pa.
Snyder W. P. & Co. (Bessemer & Non-Bessemer), Oliver bldg, Pittsburgh, Pa.
Spring Valley Iron Co., Wellston, O.
Thomas Iron Co., Hokendauqua, Pa.
Tod-Stambaugh, Hanna bldg., Cleveland, Ohio
Witherbee Sherman & Co., 30 Church, New York
Wittman N. B. & Co. (Imp. of Spanish Ore), Commercial Trust bldg, Philadelphia, Pa.

10384— Ores (Lead).

Cerro Gordo Mines Co., 1st Natl. Bk. bldg, San Jose, Cal.
Eagle-Picher Lead Co., 208 S La Salle, Chicago, Ill.
Earle E. P., 165 B'way, New York
Irvington Smelting & Refining Works, Irvington, N. J.
Park & Williams, Inc., Real Estate Tr. bldg., Phila., Pa.
Philipp Bros., Inc., 233 B'way, New York
United States Smelting, Refining & Mining Co., 55 Congress, Boston, Mass.
Vogelstein L. & Co., 42 B'way, New York

10384a— Ores (Lithium)

Foote Mineral Co., 109 N 19th, Phila., Pa.
Philipp Bros., Inc., 233 B'way, New York

10385— Ores (Magnesite)

Foote Mineral Co., 109 N 19th, Phila., Pa.
Harbison-Walker Refractories Co., Farmers' Bank bldg, Pittsburgh, Pa.
Hoff Magnesite Co., 333 Monadnock bldg., San Francisco, Cal.
Humphreys E. C. Co., 624 Penobscot, Detroit, Mich.
Iron Trade Products Co., Farmers Bank bldg., Pittsburgh, Pa.
Lavino E. J. & Co., H Bullitt bldg., Phila., Pa.
Maltby C. S., 1300 Humboldt Bank bldg, San Francisco, Cal.
Sampson Magnesite Co., 351 California, San Francisco, Cal.
Sierra Magnesite Co., Balfour bldg., San Francisco, Cal.

10386— Ores (Manganese)

American Manganese Mfg. Co., H Bullitt bldg., Phila., Pa.
American Trading Co., 25 Broad, New York
Doggett Stanley (Jobbers), 11 Cliff, New York
Earle E. P., 165 B'way, New York
Foote Mineral Co. (Imp.), 109 N 19th, Phila., Pa.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Hoff Magnesite Co., 333 Monadnock bldg., San Francisco, Cal.
Humphreys E. C. Co., 624 Penobscot, Detroit, Mich.
International Minerals & Metals Co., 61H Broadway, New York
Iron & Ore Corp. (Imp.), 11 B'way, New York
Iron Trade Products Co., Farmers Bank bldg., Pittsburgh, Pa.
Lavino E. J. & Co. (Lump & Ground), Bullitt bldg, Phila., Pa.
Leavitt C. W. & Co., 34 Church, New York
See adv index at end of book
Marshall E. E., Bullitt bldg, Phila., Pa.
Naylor & Co., 120 B'way, New York
Philipp Bros., 233 B'way, New York
SAMUEL FRANK & CO., Harrison bldg, Phila. Pa. *See adv index at end of book*
Shimer & Co. Inc., Bullitt bl., Phila., Pa.
Stanby's Creek Manganese & Iron Co. (Miners), Marion, Va.
Tennant C. Sons & Co. of N. Y. (Imp.), 19 W 44th, New York

10387—Ores (Molybdenum)

Earle E. P., 165 B'way, New York
Foote Mineral Co., 109 N 19th, Phila., Pa.
Iron Trade Products Co., Farmers Bank bldg., Pittsburgh, Pa.
Lavino E. J. & Co., H Bullitt bldg., Phila., Pa.
Mineral Product Mfg. Co., Wilmington, Del.
Philipp Bros., Inc., 233 B'way, New York

10388— Ores (Platinum)

Irvington Smelting & Refining Works, Irvington, N. J.
Philipp Bros., Inc., 233 B'way, New York
Vogelstein L. & Co., 42 B'way, New York

10389— Ores (Purple)

Pennsylvania Salt Mfg. Co. (In Bulk, Free from Phosphorus, Nodulized Free from Phosphorus), Widener bldg, Phila., Pa.

10390— Ores (Pyrites)

Bethlehem Steel Co., Bethlehem, Pa.
Binswanger H. P., 7 W 16th, New York
Davis Sulphur Ore Co. (Imp.), 65 Wall, New York
Earle E. P., 165 B'way, New York
Grasselli Chem. Co., Guardian bldg, Cleveland, Ohio
International Silica Co., Cairo, Ill.
Lavino E. J. & Co. (Imp.), Bullitt bldg, Phila., Pa.
Naylor & Co., 120 B'way, New York
Northern Ore Co., Edwards, N. Y.
St. Lawrence Pyrites Co., De Kalb Junction, N. Y.

10390a— Ores (Rare)

See also Minerals, Rare

American Metal Co., 61 B'way, New York
Drakenfeld B. F. & Co., Inc. (Exp. & Imp.), 50 Murray, New York
Foote Mineral Co., 109 N 19th, Phila., Pa.
Willmarth O. Barlow (Radium & Carnolite), Montrose, Col.

10390b—*Ores (Rare & Semi-Rare)

Foote Mineral Co., 109 N 19th, Phila., Pa.

10391— Ores (Red)

Pennsylvania Salt Mfg. Co. (For Gas Purification), Widener bldg, Phila., Pa.

10392— Ores (Silica)

Hoff Magnesite Co., 333 Monadnock bldg., San Francisco, Cal.
International Silica Co., Cairo, Ill.
Palin & Son, 2101 Edison av, Tacoma, Wash.

10392a— Ores (Silver)

Cerro Gordo Mines Co., San Jose, Cal.
Foote Mineral Co. (Imp.), 109 N 19th, Phila., Pa.

10393— Ores (Sulphur)

Grasselli Chem. Co. ("Arminius"), Guardian bldg, Cleveland, Ohio
Ledoux Augustus D. (Imp.), 15 William, New York

10393a— Ores (Tantalum)

Foote Mineral Co. (Imp.), 109 N 19th, Phila., Pa.

10393b— Ores (Thorium)

Foote Mineral Co. (Imp.), 109 N 19th, Phila., Pa.

10393c— Ores (Titanium)

American Rutile Co., 622 F N W, Washington, D. C.
Foote Mineral Co. (Imp.), 109 N 19th, Phila., Pa.
Lavino E. J. & Co., H Bullitt bldg., Phila., Pa.

10394— Ores (Tungsten)

American Metal Co., 61 B'way, New York
American Trading Co., 25 Broad, New York
Atkins, Kroll & Co., 260 California, San Francisco, Cal.
Earle E. P., 165 B'way, New York
Foote Mineral Co. (Imp.), 109 N 19th, Phila., Pa.
Lavino E. J. & Co., H Bullitt bldg., Phila., Pa.
LEAVITT C. W. & CO., 34 Church, New York *See adv index at end of book*
Mineral Product Mfg. Co., Wilmington, Del.
Norden A. & Co. (Imp.), 60 Beaver, New York
Philipp Bros., Inc., 233 B'way, New York
Taborga Rafael (Miners & Imp.), 233 B'way, New York
Vogelstein L. & Co., 42 B'way, New York

10395— Ores (Uranium)

Earle E. P., 165 B'way, New York
Foote Mineral Co. (Imp.), 109 N 19th, Phila., Pa.
Philipp Bros. (Imp.), 29 B'way, New York
Willmarth O. Barlow, Montrose, Col.

10396— Ores (Vanadium)

Earle E. P., 165 B'way, New York
Foote Mineral Co. (Imp.), 109 N 19th, Phila., Pa.
Lavino E. J. & Co., H Bullitt bldg., Phila., Pa.
Philipp Bros., Inc., 233 B'way, New York
Willmarth O. Barlow, Montrose, Col.

10397— Ores (Zinc)

American Metal Co., 61 B'way, New York
American Zinc, Lead & Smelting Co., 331 Madison av, New York
Cerro Gordo Mines Co., San Jose, Cal.
Eagle-Picher Lead Co., 208 S La Salle, Chicago, Ill.
Earle E. P., 165 B'way, New York
International Minerals & Metals Co., 61H Broadway, New York
Northern Ore Co., Edwards, N. Y.

10398— Ores & Mattes

American Metal Co., 61 B'way, New York
Earle E. P., 165 B'way, New York
Philipp Bros., Inc. (Imp.), 233 B'way, New York
Vogelstein L. & Co., 42 B'way, New York

10399— Organs

Marked thus (*) indicates Pipe
Marked thus (‡) indicates Cabinet Reed

Adler Mfg. Co., Louisville, Ky.
‡Aeolin Co., 29 W 42d, New York
American Photo Player Co. ("Fotoplayer"), 109 Golden Gate av, San Francisco, Cal.
*Austin Organ Co. ("Austin"), Hartford, Conn.
Baldwin Co., 142 W 4th, Cincinnati, O.
*Bennett Organ Co., Rock Island, Ill.
‡Bent Geo. P. Co., 214 S Wabash, Chicago Ill.
‡Bilhorn Bros., 136 W Lake, Chicago, Ill.
‡Cable Co., 301 S Wabash av, Chicago, Ill.
*Casavant Bros., South Haven, Mich.
‡Chase A. B. Co., Norwalk, O.
Chute & Butler Co., Peru, Ind.

§Clough & Warren Co., 1510 Broadway, Detroit, Mich.
Coburn Organ Co. (Pipe), 220 N Washtenaw av, Chicago, Ill.
Cole James Co., Melrose, Mass.
•DeCourcy A. B. & Co., 634 Harrison av, Boston, Mass.
Elfert & Stochr, 920 2d av, Long Island City, N. Y.
•Elfer Christopher, Darby, Pa.
Estey Organ Co., Brattleboro, Vt.
Foley & Williams Piano Co., 19 W Jackson blvd, Chicago, Ill.
•Hausmann Otto & Co., 1208 Kinnekinnic, Milwaukee, Wis.
Hillgreen, Lane & Co., Alliance, O.
§Hinners Organ Co., Pekin, Ill.
•Hook & Hastings Co., Kendal Green, Mass.
Howard Emmons Organ Co., Westfield, Mass.
§Hughes & Son Piano Mfg. Co., Foxcroft, Me.
Jackson Organ Co., Burlington, Ia.
Jansen & Joosten, Flanagan, Ill.
•Jones David, Jersey City, N. J.
•Kilgen Geo. & Sons, 3325 Laclede av, St. Louis, Mo.
•§Kimball W. W. Co., 304 S Wabash av, Chicago, Ill.
•§Lyon & Healy, 245 S Wabash av, Chicago, Ill.
Marr-Colton Organ Co., Warsaw, N. Y.
*Midmer Reuben & Son, 222 127th, Brooklyn, N. Y.
§Miller Organ & Piano Co., Lebanon, Pa.
§Moller M. P., Hagerstown, Md.
Morey Clarence, E Utica, N. Y.
Needham Piano Co., 520 W. 43th, New York
§Newman Bros. Co., 806 Dix, Chicago, Ill.
•Odell J. H. & C. S. & Co., 409 W 42d, New York
•Odell Wm. H., 407 W 42d, New York
§Packard Piano Co., Fort Wayne, Ind.
Palm E. E., Mount Penn, Pa.
Peterson J. Co., Moline, Ill.
•Pilcher's Henry Sons, Louisville, Ky.
§Putnam W. W. & Co., Staunton, Va.
Reed Geo. W. & Son, West Boylston, Mass.
Robert-Morton Co. (Orchestral Pipe), 169 Golden Gate av, San Francisco, Cal.
Schaaf Adam, 321 S Wabash, Chicago, Ill.
Schantz A. J. Sons & Co., Orrville, O.
•Schoenstein Felix F. & Sons (Pipe), 2306 Bryant, San Francisco, Cal.
§Seybold Piano & Organ Co., Elgin, Ill.
Shipman Organ Co., High Point, N. C.
§Shoninger B. Co., 511 Chapel, New Haven, Conn.
•Smith Organ Co., North Tonawanda, N. Y.
•Steere John W. & Son Organ Co., Taylor, Springfield, Mass.
•Stein Adam, 5 N Green, Baltimore, Md.
•§Stevens Organ & Piano Co., Marietta, O.
Swan S. N. & Sons, Freeport, Ill.
•Tellers-Kent Organ Co., Erie, Pa.
•Van Dinter Louis H. & Son, Mishawaka, Ind.
Viner & Son, 1371 Niagara, Buffalo, N. Y.
§Votey Organ Co., 29 W 42d, New York
•Votteler Henry J. & Son, 37 Arcade, Cleveland, O.
White A. L. Mfg. Co., 215 Englewood av, Chicago, Ill.
Whitney & Currier Co., Toledo, O.
•Wicks Pipe Organ Co., Highland, Ill.
§Williams Piano & Organ Co., 1257 Fullerton av, Chicago, Ill.

10400—Organs (Mechanical)

Autophone Co., Ithaca, N. Y.

10401—Organs (Military Band)

Dentzel William H., 3641 Gtn av, Phila., Pa.
Niagara Musical Instrument Co. (Automatic), N Tonawanda, N. Y.
North Tonawanda Musical Instrument Wks., N Tonawanda, N. Y.
Parker C. W., Leavenworth, Kans.
Wurlitzer Rudolph Co., 117 E 4th, Cincinnati, O.

10402—Ornamental Brass & Bronze

BUFFALO WIRE WORKS CO., 453 Terrace, Buffalo, N. Y.
See adv index at end of book
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
Manton & Smith Co., 3333 W Grand av, Chicago, Ill.
Sutton W. A. & Co., 926 N 19th, Phila., Pa.
West Coast Wire & Iron Works, 861 Howard, San Francisco, Cal.

10403—Ornaments (Candy & Cake Box)

Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Ludwig A. & Co., 75 Spring, New York

10404—Ornaments (Clock)

Berbecker & Rowland Mfg. Co. (Brass), Waterville, Conn.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*

10405-6-7— Ornaments (Composition)

Architectural Decorating Co., 1600 S Jefferson, Chicago, Ill.
Decorators' Supply Co., Archer av & Leo, Chicago, Ill.
Detroit Decorative Supply Co., 4240 14th, Detroit, Mich.
Emmel Chas. & Rose Co. (Papier Mache Compo Staff, Plaster, etc), 383 Albany, Boston, Mass.
Emmel Company, 81 Bristol, Boston, Mass
Jennens W. H. Co., 2315 Harrison, Kansas City, Mo.
Meislahn C. F. & Co., 19 Clay, Baltimore, Md.
Morgan S. A., 3343 Whittier blvd, Los Angeles, Cal.
National Plastic Relief Co., 907 Evans, Cincinnati, O.
Oakland Ornamental Compo Works, 3544 Custer, Oakland, Cal.
Plastic Relief Mfg. Co., 1959 Fulton, Chicago, Ill.
Schneider F. H., 631 W Belden av, Syracuse, N. Y.
Seifert Frank A. Plastic Relief Co., 5139 Maple, St. Louis, Mo.
Walter G. E., 157 E 44th, New York
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
See adv index at end of book
Western Builders Supply Co. (Exterior), 135 2nd, San Francisco, Cal.

Ornaments (Fence)

See Rosettes & Pickets, Iron; also Rosettes & Pickets, Steel

10408—*Ornaments (Gable)

See also Ornaments, Sheet Metal
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book

10409—Ornaments (Harness)

Colgan J. W. Co., 4 Alden ct, Boston, Mass.
Duranoid Mfg. Co. (Rings, Rosettes, etc), 213 Chestnut, Newark, N. J.

10410— Ornaments (Lead)

National Lead Co., 111 B'way, New York

10411— Ornaments (Plastic)

Architectural Decorating Co., 1600 S Jefferson, Chicago, Ill.
Betkouskie Martin F., Los Angeles, Cal.
California Staff & Stone Co., 1302 Willow, Los Angeles, Cal.
Decorators' Supply Co., Archer av & Leo, Chicago, Ill.
Detroit Decorative Supply Co., 4240 14th, Detroit, Mich.
Dini Geo. L., 483 Baltic, Brooklyn, N. Y.
Duchemin Geo. W., 37 Wainwright, Newark, N. J.
Eastman Plastic Relief Co., 23rd & Dickson, St. Louis, Mo.
Emmel Chas. & Rose Co., 383 Albany, Boston, Mass.
Emmel Company, 101 Bristol, Boston, Mass.
Harnisch Adolph A. (Stucco), Syracuse, N. Y.
Jennens W. H. Co., 2315 Harrison, Kansas City, Mo.
Klee-Thomson Co., 327 E 40th, New York
National Plastic Relief Co., 907 Evans, Cincinnati, O.
Oakland Ornamental Compo. Works, 3544 Custer, Oakland, Cal.
Plastic Relief Mfg. Co., 1959 Fulton, Chicago, Ill.
Schneider F. H., 631 W Belden av, Syracuse, N. Y.
Seifert F. A. Plastic Relief Co., 5139 Maple, St. Louis, Mo.
Voigt Co., 1743-1749 N. 12th, Phila., Pa.
Walter G. E., 157 E 44th, New York
Western Builders Supply Co. (Fine), 135 2nd, San Francisco, Cal.

10412—Ornaments (Radiator)

Art Metal Works ("Ronson"), 7 Mulberry, Newark, N. J.

10413—Ornaments (Sheet Metal)

Braun J. G., 609 S Paulina, Chicago, Ill.
EDWARDS MFG. CO. (Stamped), 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
Fargo Cornice & Ornament Co., Fargo, N. D.
Foster Sheet Metal Co., Springfield, Ill.
Frand M. J. & Co., Camden, N. J.
Friedley-Voshardt Co. (Inc.), 733 S Halsted, Chicago, Ill.
Gara, McGinley Co., 23 S 17th, Phila., Pa.
Gerock Bros. Mfg. Co. (Zinc & Copper), 1252 S Vandeventer av, St. Louis, Mo.
Hergert Theo. E. (For Cornices, etc), 422 E 53rd, New York
Jones Thos. W., 153 Maiden Lane, New York
Kelly Wm. J., 446 Adelphi, Brooklyn, N. Y.
Manrow Sheet Metal Works, Goshen, Ind.
Michigan Hdw. Co., Grand Rapids, Mich.
Miller & Doing, 60 York, Brooklyn, N. Y.
Milwaukee Corrugating Co., Milwaukee, Wis.
Northwestern Roofing, Cornice & Stamping Works, 1111 S 5th, Minneapolis, Minn.
Penn Metal Co., 65 Franklin, Boston, Mass.
Phila. Metal Stamping Co., 107H Erie, Camden, N. J.
Porter Iron Roofing & Corrugating Co. (Stamped & Spun), 522 Culvert, Cincinnati, O.
St. Louis Lightning Rod Co. (For Lightning Rods), De Kalb & Trudeau, St. Louis, Mo.
Scott Roofing & Mfg. Co. (Standard & Spun), 408 Culvert, Cincinnati, O.
Thoresen Wm., 1916 W North av, Chicago, Ill.
Weimer C. A., Lorain, O.

10414— Ornaments (Shoe)

Drell Novelty Mfg. Co., 100 5th av, New York
Rhodes M. M. & Sons Co. (Hooks), Taunton, Mass.
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
See adv index at end of book

Ornaments (Transfer)

See Decalcomania; also see Transfers (Decalcomania); also see Name Plates (Decalcomania)

10415— Ornaments (Wood)

American Sash & Door Co. (Wholesale Mfrs.), 16th & Bellefontaine, Kansas City, Mo.
Bisch & Salzmann, 1337 E 16th, Los Angeles, Cal.
Bogert & Hopper, Inc. (Turned & Grilled Work), 57 Barclay, New York
See adv index at end of book
Carr, Ryder & Adams Co. (Wholesale Mfrs.), Dubuque, Ia.
Chicago Millwork Supply Co. (For the Trade Only), 1404 W 37th, Chicago, Ill.
Curtis Bros. & Co. (For the Trade Only), Clinton, Ia.
Curtis, Towle & Paine Co. (For the Trade Only), Lincoln, Neb.
Estes E. B. & Sons (Carved, Turned & Grille Works, etc.), 364 5th av, New York *See adv index at end of book*
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Hutting Mill Works Co., Kansas City, Mo.
Hyde-Murphy Co., Ridgway, Pa.
Morgan Co. (For the Trade Only), Oshkosh, Wis.
N. Y. Carved Moulding Co., 139th & 3rd av, New York
Ohio Scroll & Lumber Co., Covington, Ky.
Roberts Sash & Door Co. (For the Trade Only), 920 W 20th, Chicago, Ill.
Rowe Henry Mfg. Co. (Rosettes, Carvings, etc), Newaygo, Mich.
Spanjer Bros., 198 Badger av, Newark, N. J.
STEARNS, A. T., LUMBER CO., 100 Taylor, Boston, Mass.
See adv index at end of book
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Waddell Mfg. Co. (Rosettes, Carved, Grilles, etc), Grand Rapids, Mich.

10416—Ortho-Nitrotoluene

DU PONT E. I. de NEMOURS & CO., INC., Dyestuffs Dept., Wilmington, Del.
See adv index at end of book
Indiana Dye & Chemical Co., Hammond, Ind.
National Aniline & Chemical Co., Inc., 40 Rector, New York

10416a— Ortho-Toluidine

DU PONT E. I. de NEMOURS & CO., INC., Dyestuffs Dept., Wilmington, Del.
See adv index at end of book
Indiana Dye & Chemical Co. (Para Nitro), Hammond, Ind.
National Aniline & Chemical Co., Inc., 40 Rector, New York

10417— Oscillators

Wolf Co., Chambersburg, Pa.

10418— Oscillographs

Crane Harold G. ("Crane"), 322 Front, Adrian, Mich.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*

10419— Osmium

Baker & Co., 54 Austin, Newark, N. J.
Bishop J. & Co., Platinum Works, Malvern, Pa.
Foote Mineral Co., Phila., Pa.
Philipp Bros., 233 B'way, New York

10420-21—Outfits (Steel Etching)

Sawyer Tool Mfg. Co., Ashburnham, Mass.

LUEHRS ELECTRIC HEATING CO.

Luehrs Electrically Heated Bread Baking Ovens, Travelling and Peal Types. Close Automatic Control. Guaranteed Results.

Luehrs Oil Roasting Equipment for Deep Fat Frying of Doughnuts, Crullers, Potato Chips and Nuts.

118 St. Clair Ave. East **CLEVELAND, OHIO**

10422—Oven Builders (Brick & Portable)

Albrecht Francis J. (Brick, Inside Heating, also Continuous), 1146 Penn av, Pittsburgh, Pa.
American Oven & Machine Co. ("Peel," Brick), 111 W Washington, Chicago, Ill.
Bailey G. E. & Sons (Brick), Mansfield, Mass.
Baker's Sons J. & Perkins Co., Inc. (Steam Pipe Draw Plate), White Plains, N. Y
Blendinger Fred A., 824 Spring Garden av, Pittsburgh, Pa.
Blodgett G. S. Co. (Portable), Burlington, Vt.
Cass Mfg. Co., 332 S Spring, Los Angeles, Cal.
Chubbeck E. J. Co. ("Middleby-Marshall"), 731 Market, San Francisco, Cal.
City Cornice Co. ("Electr-Bake"), 3121 San Pablo av, Oakland, Cal.
City Iron & Oven Co., Inc. ("Dalton" Revolving), 1163 W. Ocean av, Long Beach, Cal.
Combustion Utilities Corp., 8-10 Bridge, New York
Crandall-Pettee Co. (Portable Reel), 144 Franklin, New York
Duhrkop Oven Co. (Brick), 15 Park Row, New York
Dumbleton Thos. & Son (Brick), 619 Carlton av, Brooklyn, N. Y.
Fish Rotary Oven Co. ("Fish" Rotary Brick & Portable Rotary), Walworth, Wis.
Griswold Mfg. Co. ("Bolo" Portable), 12th & Raspberry, Erie, Pa.
Hall S. L. Co. (Brick), 1757 Jarvis, Chicago, Ill.
Hubbard Portable Oven Co. (Portable Bakers, Hotels & Restaurants), 1130 Belden av, Chicago, Ill.
Ils John G. & Co., 839 Mission, San Francisco, Cal.
Ingle Mfg. Co. ("Ingle" Rotary Portable), 643-49 G, San Diego, Cal.
King Oven Co. (Portable), 740 E 3d, Los Angeles, Cal.
Keller A. E. (Portable), 214 Front, New York
Kosicky Patent Bake Oven Co. (Brick), 4437 Mt. Ell, Detroit, Mich.
McDowell Oven Co. (Portable), 27 Chambria, Boston, Mass.
Meek Mfg. Co. (Portable Reel), Westport, Conn.
Middleby-Marshall Oven Co. (Portable), 769 W Adams, Chicago, Ill.
Montague Range & Furnace Co., 380 6th, San Francisco, Cal.
Petersen Oven Co. (Bake Ovens Only), 137 N La Salle, Chicago, Ill.
Popple & Knowles Co. (Portable), 1019 Post, Seattle, Wash.
Rinck Chas. & Bro., 826 Oliver, Cincinnati, Ohio
Rinck Jno. G., John, Williams & Colerain, Cincinnati, O.
Roberts Portable Oven Co. ("Black Diamond"), 853 W North, Chicago, Ill.
Rockwell L. A. Co. (Mechanical Reel for Biscuits & Crackers), 430 Smith, Brooklyn, N. Y.
Standard Oven Co. (Brick), Oliver bldg, Pittsburgh, Pa.
Standard Refractories Co., Claysburg, Pa.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Varney, H. C. (Revolving Reel Bake Ovens), Leavenworth, Kas.
Walz Henry J. Co., 72 Huron, Buffalo, N. Y.
Watkins J. Y. & Son, 16 Catharine, New York
Western Range Co., 532 McAllister, San Francisco, Cal.
Wheeling Corrugating Co. ("Wheeling" Portable Steel), Wheeling, W. Va.
White-Warner Co. (Portable), Taunton, Mass.
Williams Oven Mfg. Co. ("Williams" Sectional Brick), 41 Park Row, New York
Young Bros. Co. (Portable Only), 6560H Mack av, Detroit, Mich.

Ovens (Annealing)

See Furnaces, Annealing & Case Hardening

10423— Ovens (Bread)

Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Blodgett G. S. Co., Burlington, Vt.
Cass Mfg. Co., 332 S Spring, Los Angeles, Cal.
Chubbeck E. J. Co. ("Middleby-Marshall"), 731 Market, San Francisco, Cal.
City Cornice Co., 3121 San Pablo av, Oakland, Cal.
City Iron & Oven Co., Inc. ("Dalton" Revolving), 1163 W. Ocean av, Long Beach, Cal.
Despatch Mfg. Co. (Electric), 120 1st av N, Minneapolis, Minn.
Electric Maid Bake Shops, Electric Maid bldg, St. Paul, Minn.
Ingle Mfg. Co. ("Ingle" Rotary Portable), 643-49 G, San Diego, Cal.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
King Oven Co., 740 E 3d, Los Angeles, Cal.
Lucas Chas. O. & Co. (Rotary), Dayton, O
LUEHRS ELECTRIC HEATING CO., 118 St. Clair av N E, Cleveland, O.
See adv index at end of book
*McDonald Co., Bruce, 2001 Washington, Kansas City, Mo.
Meek Mfg. Co. ("Meek" Gas), Westport, Conn.
Messenger & Parks Mfg. Co., Aurora, Ill.
Michigan Stove Co., The, Detroit, Mich.
Montague Range & Furnace Co. (Portable), 380 6th, San Francisco, Cal.
OVEN EQUIPMENT & MFG. CO., P. O. Box 1923, New Haven, Conn.
See adv index at end of book
Parker-Russell Mining & Mfg. Co., 3300 Morganford, St. Louis, Mo.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

THE SURFACE COMBUSTION CO.

Ovens that were designed and built under the supervision of a master baker and engineers experienced in handling of large quantities of material.

THE SURFACE COMBUSTION CO.
334 Gerard Avenue Bronx, N. Y.

Western Range Co., 532 McAllister, San Francisco, Cal.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
Young Bros. Co. (On Special Order), 6560 Mack av, Detroit, Mich.

10424—Ovens (By-Product, Coke & Gas)

American Coke & Chemical Co. ("Roberts" Coke), 208 S La SCalle, Chicago, Ill.
Koppers Co., The ("Koppers"), Union Arcade, Pittsburgh, Pa.
Semet-Solvay Co., Syracuse, N. Y.
Wiljutte Coke Oven Corp., 469 5th av, New York

10424a— Ovens (Cabinet)

Blodgett G. S. Co., Burlington, Vt.
Meek Mfg. Co. ("Meek"), Westport, Conn.
Roberts Portable Oven Co., 853 W North av, Chicago, Ill.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

10424b— Ovens (Conveyor)

MAEHLER PAUL CO., 2210 W. Lake, Chicago, Ill.
See adv index at end of book

10425—Ovens (Core Baking)

American Gas Furnace Co., Spring & Lafayette, Elizabeth, N. J.
Bookel Wm. & Co., 518 Vine, Phila., Pa.
Blodgett G. S. Co. (Portable, Galvanized Iron), Burlington, Vt.
Brass Founders' Supply Co. (For Brass Fdrs.), Wilson av, Newark, N. J.
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
BUCKEYE PRODUCTS CO., INC. ("Buckeye"), 915-971 W 5th, Cincinnati, O.
See adv index at end of book
Central Foundry Supply Co., P. O. Box 945, Columbus, O.
Cullen & Atkinson Co. (Revolving), 122 Allyn, Hartford, Conn.
Dempsey Furnace Co., 15 Park Row, New York *See adv index at end of book*

CORE OVENS

REEL TYPE
CAR TYPE
RACK TYPE
ANY FUEL

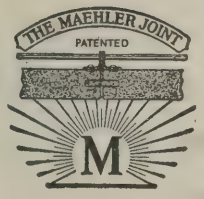


61 Cornelison Ave., Jersey City, N.J.

DeRemer Blatchford Co., Dept. H, Railway Exchange bldg, Chicago, Ill.
See adv index at end of book
Foundry Equipment Co. ("Coleman" Molds), 1333 Columbus av, Cleveland, Ohio
Haarman G. & Co., Inc., Holyoke, Mass.
Holcroft & Co. (Forced Draft Mold & Annealing), 6545H Epworth blvd., Detroit, Mich.
LUEHRS ELECTRIC HEATING CO., 118 St. Clair av N E, Cleveland, O.
See adv index at end of book
McCormick J. S. Co., 25th & A. V. R. R., Pittsburgh, Pa.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
MAEHLER PAUL O., 2210 W Lake, Chicago, Ill.
See adv index at end of book
Marshall Blow Pipe Co., 7431 Dubois, Detroit, Mich.
Meek Oven Mfg. Co. ("Meek"), Newburyport, Mass.
Meek Mfg. Co. ("Meek"), Westport, Conn.
Monarch Engineering & Mfg. Co. ("Monarch-Acme", "Monarch-Arundel" & "Monarch Junior"), American bldg., Baltimore, Md.
NORTHERN BLOWER CO. (THE), Denison & W 65th, Cleveland, Ohio
See adv index at end of book
Obermayer S. Co., 2563 W 18th, Chicago, Ill.
Ohio Body Blower Co., 9300 Detroit av, Cleveland, O.
OVEN EQUIPMENT & MFG. CO. ("Crawford" Sectional), P. O. Box 1923, New Haven, Conn.
See adv index at end of book
Paxsen J. W. Co., Dept H, Nicetown Lane & D, Phila., Pa.
Roberts Portable Oven Co. ("Black Diamond"), 853 W North av, Chicago, Ill.

INDUSTRIAL OVENS BUILT BY MAEHLER

Core Ovens
Enameling Ovens
Lacquering Ovens
Japanning Ovens
Tempering Ovens



Gas, electric or oil heat, automatically controlled and thoroughly insulated insuring uniform temperature and economical operation.

Ovens built by the Paul Maehler Company are specially designed and built to fit the particular products to be handled. Continuous conveyor ovens, "Multiple Pass" Ovens, truck, hand or rack loading type depending on product, plant and production schedule.

These ovens are installed complete with all accessory equipment for their efficient operation.

Descriptive catalog on request

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2204 West Lake Street **Chicago, Ill.**

Ryan F. J. & Co., Wesley bldg., Phila.
Sly W. W. Mfg. Co. ("Sly"), 4720 Train av, Cleveland, O.

STEVENS FREDERIC B., INC., 3rd & Larned, Detroit, Mich.
See adv index at end of book

SURFACE COMBUSTION CO., THE, 334 Gerard av, Bronx, New York
See adv index at end of book

Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.
Wadsworth Core Mach. & Equip Co., 10 W Buchtel, Akron, O.
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, O.
Whiting Corp., Harvey, Ill.
Woodison E. J. Co., 1621 St. Aubin, Detroit, Mich.
Young Bros. Co., 6560 Mack av, Detroit, Mich.

10425a— Ovens (Drying)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Despatch Mfg. Co. (Electric), 120 1st av N, Minneapolis, Minn.

MAEHLER PAUL CO., 2210 W Lake, Chicago, Ill.
See adv index at end of book
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Young Bros. Co., 6560H Mach av, Detroit, Mich.

10426— Ovens (Electric)

Braun-Knecht-Heimann Co. (Despatch), 576-584 Mission, San Francisco, Cal.
Campbell J. A. Co. ("Rainier"), 905 Western av, Seattle, Wash.
City Cornice Co. ("Electr-Bake"), 3121 San Pablo av, Oakland, Cal.
Consolidated Car Heating Co. (Japanning & Baking), Albany, N. Y.
Despatch Mfg. Co. (Bread Baking, Enamel Baking & Drying Processes of all Kinds), 120 1st av N, Minneapolis, Minn.
Elmer & Amend ("Freas" Electrically-Heated), 205 3d av, New York
Emerson Apparatus Co. (Conditioning), 171 Tremont, Melrose, Mass.
Gehnrich Indirect Heat Oven Co., Skillman av & Honeywell, Long Island City, N. Y.

GENERAL ELECTRIC CO. (Electrical Equipment only), Schenectady, N. Y.
See adv index at end of book

Hayes, C. I., 9 King av., Providence, R. I.
Ideal Electric Oven Co., Inc., 1346 7th, Oakland, Cal.
International Instrument Co., Cambridge, Mass.

LUEHRS ELECTRIC HEATING CO., 118 St. Clair av N E, Cleveland, O.
See adv index at end of book

MAEHLER PAUL CO., 2210 W Lake, Chicago, Ill.
See adv index at end of book
Majestic Elec. Appliance Co. ("Majestic"), 590 Folsom, San Francisco, Cal.

OVEN EQUIPMENT & MFG. CO. ("Crawford"), P O Box 1923, New Haven, Conn. *See adv index at end of book*
Prometheus Elec. Co., 511 W 42d, New York
Russell Electric Co. ("Hold-Heet" Toy), 340 W Huron, Chicago, Ill.
Ryan F. J. & Co., Wesley bldg, Phila., Pa.
Sargent & Co. E. H., 155 E Superior, Chicago, Ill.
Schaar & Co. ("Hexagon"), 556 W Jackson blvd, Chicago, Ill.
Serrell Electric & Appliance Corp. ("Serrell"), 36 W. 44th, New York
Simplex Elec. Htg. Co. (Bake), Cambridge, 39 Mass.
Steiner & Co. E. E., 20 Orange av, Newark, N. J.
Thermo Electric Instrument Co., 8H Johnson, Newark, N. J.
Westgate Metal Products Co. ("Westgate"), E 12th & 47th av, Oakland, Cal.
Westinghouse Electric Mfg. Co., East Pittsburgh, Pa. *See adv index at end of book*
Young Bros. Co., 6560 Mack av, Detroit, Mich.

10427— Ovens (Enameling)

American Enamel Co. ("Mascot"), Providence, R. I.
Blodgett G. S. Co. (Portable Galvanized Iron), Burlington, Vt.
Combustion Utilities Corp., 8-10 Bridge, New York
Cullen & Atkinson Co. (Gas or Gasoline), 122 Allyn, Hartford, Conn.
Despatch Mfg. Co. (Electric), 120-1st av N, Minneapolis, Minn.
Gehnrich Indirect Heat Oven Co. (Sectional Portable), Skillman av & Honeywell, Long Island City, N. Y.
Luehrs Electric Heating Co., 118 St. Clair av N E, Cleveland, O.
See adv index at end of book

MAEHLER PAUL CO., 2210 W Lake, Chicago, Ill.
See adv index at end of book
Monarch Engineering & Mfg. Co., American bldg, Baltimore, Md.

OVEN EQUIPMENT & MFG. CO. ("Crawford" Sectional), P. O. Box 1923, New Haven, Conn.
See adv index at end of book
Steiner E. E. & Co. (Gas), 20 Orange av, Newark, N. J.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
U. S. Gas Furnace Co. (Drying or Baking), 46 Clifford, Providence, R. I.
Van Dorn Iron Works Co. (Japan), 2700 E 79th, Cleveland, O.
Young Bros. (For Low Temperature Enamel), 6560 Mack av, Detroit, Mich.

10428—Ovens (Gas & Oil Stove)

Boston Stove Foundry Co., 210 Border, Boston, Mass
Brown Stamping Co., Toledo, O.
Central Oil & Gas Stove Co. ("Florence"), Gardner, Mass.
Clark Geo. M. & Co. ("Clark Jewel"), 179 N. Michigan av, Chicago, Ill.
Cleveland Metal Products Co. ("New Perfection" "Puritan"), 7609 Platt av, Cleveland, O.
Detroit Vapor Stove Co., Detroit, Mich.
Enterprise Mfg. & Cons. Co., 1706 Washington av, Kansas City, Mo.
Geisel A. Mfg. Co. ("Ideal," "New Century," "Ozark"), 219 S 2d, St. Louis, Mo.
Harris J. Co. (Cooking Acetylene), Cleveland, O.
Herbst Bros. ("Mission Maid"), 1939H Mission, San Francisco, Cal.
Howes S. M. Co. ("Daylight," Glass Door, "Boston"), 42 Union, Boston, Mass.
Huenefeld Co. ("Boss," with Glass Door), Cincinnati, O.
Kimball-Dietrich Hardware Co. ("Elgin"), Elgin, Ill.
Lawson F. H. Co., Cincinnati, O.

MAEHLER PAUL CO., 2210 W Lake, Chicago, Ill.
See adv index at end of book
Ohio State Stove Co. ("Efficient" Glass Door), Columbus, O.
Parker-Russell Mining & Mfg. Co., 3300 Morganford, St. Louis, Mo.
Reliable Stove Co. ("Reliable"), 1787 E 40th, Cleveland, O.
Savage Stanley Mfg. Co., 414 S Campbell, Chicago, Ill.
Silver & Co., 304 Hewes, Brooklyn, N. Y.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Washburn Co. (Andrews Division), Preston, Rockford, Ill.
Weiskittel A. & Son Co. ("Fire King" Gas), 12th & E Lombard, Baltimore, Md.
Western Steel Products Co., New Duluth, Minn.
Wheeling Stove & Range Co., Wheeling, W. Va.
Woolwine Metal Products Co., 2421 E 8th, Los Angeles, Cal.

10429—Ovens (Japanning or Baking)

Blodgett G. S. Co. (Portable Galvanized Iron), Burlington, Vt.
Breese Bros. Co., The, 2349 Reading road, Cincinnati, O.
See adv index at end of book
Combustion Utilities Corp., 8-10 Bridge, New York
Consolidated Car Heating Co. (Electric), Albany, N. Y.
Despatch Mfg. Co. (Electric), 120 1st av, N Minneapolis, Minn.

LUEHRS ELECTRIC HEATING CO.

Luehrs Electrically heated Stationary and Conveyor Type Core Baking Ovens.

Box and Conveyor Type Japan and Enamel Baking Ovens—Lithograph Ovens. Correct in Design and Construction. Economical to Operate—Guaranteed Results.

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THE OVEN EQUIPMENT & MFG. CO.

NEW HAVEN, CONN.

"CRAWFORD SECTIONAL" INDUSTRIAL OVENS Heated with Our ENCLOSED FLAME GAS BURNERS, ELECTRICITY or STEAM

Designed and Built to Meet Requirements of Manufacturers Builders of All-Steel Oven Trucks

Ovens (Japanning or Baking)—Cont.

Elgin Stove & Oven Co. ("Elgin"), Elgin, Ill.
Gehnrich Indirect Heat Oven Co. (Sectional Portable), Skillman av & Honeywell, Long Island City, N. Y.
Griswold Mfg. Co., Erie, Pa.
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Littleford Bros. (& Lacquering), 444 E Pearl, Cincinnati, O.
See adv index at end of book
LUEHRS ELECTRIC HEATING CO., 118 St. Clair av N E, Cleveland, O.
See adv index at end of book
Marshall Blow Pipe Co., 7431 Dubois, Detroit, Mich.
Meek Mfg. Co. ("Meek"), Westport, Conn.
Monarch Engineering & Mfg. Co., American bldg, Baltimore, Md.
National Oven Co. (Baking), Beacon, N. Y.
Northern Blower Co. (The), Denison & W 65th, Cleveland, O.
See adv index at end of book
OVEN EQUIPMENT & MFG. CO. ("Crawford" Sectional Ovens & Gas Burner, also Conveyor), P. O. Box 1923, New Haven, Conn.
See adv index at end of book
Steiner E. E. & Co. (Gas), So. Orange av, Newark, N. J.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
U. S. Gas Furnace Co., 46 Clifford, Providence, R. I.
Van Dorn Iron Works Co. (Japanning), 2700 E 79th, Cleveland, O.
Young Bros. Co., 6560 Mack av, Detroit, Mich.

10430—Ovens (Multiple Pass)

MAEHLER PAUL CO., 2210 W Lake, Chicago, Ill.
See adv index at end of book

10431—Ovens (Wire Bluing)

Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Vaughn Machinery Co. (& Pin Bakers), Cuyahoga Falls, O.
Young Bros. Co., 6560 Mack av, Detroit, Mich.

10432—Ovens (Wood Distillation)

Badger E. B. & Sons Co., 75A Pitts, Boston, Mass. *See adv index at end of book*
Struthers-Wells Co., Warren, Pa.

10432a— Overalls

ALABAMA.

BIRMINGHAM—Liberty Overall Co.
Philips-Lester Mfg. Co.
DOTHAN—Dothan Overall Factory
MOBILE—Kahn Mfg. Co.

ARKANSAS.

FORT SMITH—Fort Smith Garment Co.

CALIFORNIA.

OAKLAND—Sibbett Mfg. Co.
SAN FRANCISCO — Eloesser-Heynemann Co., 87 Battery
Goldstone Brad (& Shirts), 323 Market

CONNECTICUT.

NEW HAVEN—Setlow M. & Son, 232 George

FLORIDA.

JACKSONVILLE—Seminole Overall Mfg. Co.

GEORGIA.

ATLANTA—Carhartt Hamilton Cotton Mills of Georgia
Loeb Marcus & Co.
Monarch Overall Co., 39 S Forsyth
Nunnally & McCrea Co.
COLUMBUS—Southern Overall Co.
MACON—Happ Bros. Co. ("Hapgrade," B'way & Pine, also Shirts)
ROME—Harper Mfg. Co.
Rome Mfg. Co.
SAVANNAH—Alexander Bros. Co.

ILLINOIS.

BLOOMINGTON—Merwin L. B. & Co.
CAIRO—Marx D. L. & Co.
CHICAGO—Berger Overall Mfg. Co., 1315 W Congress
Berry & Benson (& Shirt), 709 Roosevelt
Levy Oscar & Co., 126 S Market
Lewin Louis Co., 127 S Market
Reliance Mfg. Co. (& Shirts), 212 W Monroe
Rubin Bros. (& Jackets), 561 W Roosevelt rd
Shaurer S. G. & Bro., 221 W Van Buren
GALESBURG—Gross Bros. Mfg. Co.
PEORIA—Bloom H. T. & Co. (& Shirts)
QUINCY—Noll-Hanworth Co.
Pierson Mfg. Co.
ROCKFORD—Rockford Overall Mfg. Co. (& Shirts),
Shamhouse W. & Sons (& Shirts)
Union Overalls Co. (& Shirts)

INDIANA.

COLUMBIA CITY—Superior Garment Co.
EVANSVILLE—Evansville Overall Co., 1001 W Franklin
FT. WAYNE—Wayne Overall Co.
INDIANAPOLIS—Cones C. B. & Son Mfg. Co. (& Clothing), 18 N Senate av
Jackson J. W. & Sons, 546 Meridian
Meier Lewis & Co., 1002 Central Co.

IOWA.

SIOUX CITY—Baker H. A. & Co.

LOUISIANA.

NEW ORLEANS—**Famous Mfg. Co., 210** Chartres
Katten Arthur A. (Inc.), 528 Beinville

MARYLAND.

BALTIMORE—Central Overall Co., 113 S Hanover
Feldman & Weinmann, 500 E Balto
Iron King Overall Co., 207 W Camden
Morris & Co., Eutaw & Franklin
Phoenix Mfg. Co., 1201 S Sharp
Rauneker S. H., 515 W Lombard
Rosenbloom Solomon, 12 N Paca
Southern Overall Co., 11 N Gay
Standard Overall Co., 701 W Pratt
Stuart Keith & Co., Fayette & Green
Suskin Louis B., 701 W Pratt
CUMBERLAND—Hirsch Mfg. Co.

MASSACHUSETTS.

BOSTON—Tri-Mount Overall Co., 217 Friend
SPRINGFIELD—Century Mfg. Co., 1015 Main
WORCESTER—Hildreth A. G., 25 Harmon

MICHIGAN.

DETROIT — Carhartt Hamilton Cotton Mills, Michigan av & 10th
Finck W. M. & Co., 3708 Gratiot
Larned Carter & Co., 1210 8th
Mohawk Overall Co., 222 Congress W
Willing H. L. Co., 212 Bates
GREENVILLE—Michigan Motor Garment Co.

MINNESOTA.

MINNEAPOLIS—Hopkins C. H., 112 S 5th
Johnson Bostwick & Co., 314 1st av N
Kurstin M. A. Co., 317 1st av N
Sapero Rabitshek Co., 121 Wash. av N
Twin City Mfg. Co., 237 1st av N
Western Mfg. Co., 810 Bassett pl
ST. PAUL—Klinkerfues Bros. Co.
Simon & Mogilmer
WINONA—Rosenberg Co.

MISSOURI.

CARTHAGE—Smith Bros. Mfg. Co.
JOPLIN—Rice-Oberman Co.
KANSAS CITY—Burlington Overall Mfg Co., 900 Washington
Southwest Overall Co., 819 Broadway
ST. LOUIS—Textile Products Co. ("Better Built"), 1332 Dolman

NEW HAMPSHIRE.

KEENE—New Brattleboro Overall Co.
NASHUA—Buxton Garment Mfg. Co.(Inc.)
Granite Overall Co.

NEW JERSEY.

DOVER—Peters H. S.
PATERSON—Simon & Cohn

NEW YORK.

BINGHAMTON—Smith-Kinney Co.
BUFFALO—Enterprise Mfg. Co., 83 Pearl
CORTLAND—Cortland Overall Co.
NEWBURGH—Cleveland & Whitehill Co.
NEW YORK—Nerenberg Louis, 98 Greene
Sweet-Orr & Co. (Inc.), 15 Union Sq.
OGDENSBURG—Robinson Pearson Co.
POUGHKEEPSIE—Dutchess Mfg. Co.

NORTH CAROLINA.

CHARLOTTE—Southern Mfg. Co. ("Cow Hide"), 19 E 3rd
DURHAM—Smith Mfg. Co.
GREENSBORO—Blue Bell Overall Co.

OHIO

ALLIANCE—Clarke Thomas Clarke Co.
BARNESVILLE—McClelland Mfg. Co.
CINCINNATI—Beirne M. J. & Co., Burbank & May
Cincinnati Overall Mfg. Co., Power bldg
Crown Overall Mfg. Co. (Workman's Shirts), 3rd & Plum
Globe Overall Co., 335 5th W
Ironall Factories Co., Powers bldg
Union Special Overall Co. (& Shirts & Coats), 14th & Plum
U. S. Overall Mfg. Co., 422 Pioneer
CLEVELAND—Cleveland Overall Co., 1257 W 6th
Euclid Mfg. Co. (& Shirts), 1285 W 6th
Witkowsky's A. Sons Co., Lakeside & W 3rd
FOSTORIA—Cory Mfg Co.
SPRINGFIELD — Ohio Garment Co. (& Shirts)
WOOSTER—Paumier Emil
YOUNGSTOWN—Moyer M.

PENNSYLVANIA

ALTOONA—Altoona Overall Factory
BRADFORD—Kohn Mfg. Co.
ERIE—Straus Mfg. Co.
NEW CASTLE—Fisher Bros.
PHILADELPHIA—Cohlman & Cutler, 28th & Fletcher
PITTSBURGH—Big Four Overall Co., 901 5th av
SCRANTON—Anthracite Overall & Hat Mfg. Co., 340 Pennsylvania av

TENNESSEE.

BRISTOL—Eagle Mfg. Co.
King Lockwood Co.
NASHVILLE—O'Bryan Brothers, 102 Public sq
Volunteer Mfg. Co., 103 9th av S

THE RED OXIDE BEST

Uniform Quality Guaranteed

JOSEPH A. McNULTY
Successor to
G. A. & E. MEYER
Established 1805
114 Liberty Street New York City
Exclusive Representative in the United States
LEACH NEAL & CO.'S RED OXIDES

TEXAS.

DALLAS—Miller Mfg. Co.
Rose-Rogers Co.
Tel-Tex Co. ("Shieldals"), 700 Elm
FORT WORTH—Kingsberry Mfg. Co.
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HOUSTON—Scott Cyrus W. Mfg. Co.
SAN ANTONIO—Amer. Overall Co.
Bexar Overall Mfg. Co.
SHERMAN—Sherman Overall Mfg. Co.
WACO—Sager Mfg. Co.

VERMONT.

BRATTLEBORO—Hooker Corser & Mitchell Co.
BURLINGTON—Hinds O. L. Co.
Mead Mfg. Co.
NEWPORT—Moore B. F.

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BRISTOL—Big Jack Co. (Inc.)
DANVILLE—Anderson Brass Consolidated Co.
Riverside Overall Co.
ROANOKE—Blue Ridge Overall Co.
STAUNTON—Fulton Witz & Co.

WASHINGTON.

SEATTLE—Black Mfg. Co., 165 Jackson

WEST VIRGINIA.

CHARLESTON—Charleston Mfg. Co.
HUNTINGTON—Blue Jay Mfg. Co.

WISCONSIN.

BELOIT—Rosenblatt H. & Sons
EAU CLAIRE—Horn & Blum Mfg. Co.
FOND-DU LAC—Badger Sewing Co.
GREENBAY—Greenbay Specialty Co.
JANESVILLE—Janesville Shirt & Overall Co.
MILWAUKEE—Abeles F. E. & Co. (& Trousers), 520 Prairie
Bender & Co., 503 E Water
OSHKOSH—Oshkosh Overall Co.
RACINE—Alshuler Charles Mfg. Co.
SHEBOYGAN—Holman H. J. & Son
Reliable Shirt & Overall Mfg. Co.

10433— Oxide of Iron

Behrend F., Inc., 170 Front, New York
BINNEY & SMITH CO. (Pure), 41 E 42nd, New York
Bowker Chemical Co. (For Gas Purification), 40 West, New York
CHRYSTAL CHAS. B. CO. INC. (Red Imp.), 13 Cliff, New York
See adv index at end of book
Fergusson Alex C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Foote Mineral Co., 109 N 19th, Phila., Pa.
General Commercial Co., Ltd., of U. S. (Imp.), 90 W Broadway, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Hummel & Robinson (Natural), 90 West, New York
Iron Hydroxide Co. (For Gas Purification) Phila., Pa.
McNULTY JOSEPH A. (Red), 114 Liberty, New York
See adv index at end of book
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Mepham Geo. S. & Co., 20th & Lynch, E St. Louis, Ill.
National Sales & Trading Co., Cleveland, Ohio
Osborn C. J. Co. (Reds, Imp), 132 Nassau, New York
Philipp Bros., Inc., 233 B'way, New York
Prince Mfg. Co., 165 B'way, New York
Reichard-Coulston Co. (Imp.), 95 Madison av, New York
Riches, Piver & Co. (Imp.), 80 Church, New York
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book
Scheel Wm. H. (Imp.), 179 Water, New York *See adv index at end of book*
Smith Alfred, 15 E 26th, New York
Smith J. Lee & Co. (Imp.), 19 Jacob, New York
Standard Silicon Co., Dept. H, Ridgeway, Pa.
Stauffer Chemical Co. (Red & Brown), 624 California, San Francisco, Cal.
Vitro Manfg. Co. (Red and Black), H Bessemer bldg, Pittsburgh, Pa.
Wagner Chas. A. Co. Inc., 810 Noble, Phila., Pa.
Waldo E. M. & F. ("Oximony") (Selling Agents), 11 B'way, New York
WESTMORELAND CHEMICAL & COLOR CO. (Pure), S E cor. 22nd & Westmoreland, Phila., Pa.
Wiarda John C. & Co. (Black & Red Powd.), 83 Provost, Brooklyn, N. Y.
See adv index at end of book
WILLIAMS C. K. & CO. ("Anchor Brand" Dry), Easton, Pa.
See adv index at end of book

Oxide of Lead

See Litharge

10434-5-6-7—Oxide of Manganese

Chrystal Chas. B. Co., Inc., 13 Cliff st, New York
See adv index at end of book

COLORS
PIGMENTS
Red Oxide, Manganese
French Ochre, China Clay
Umber, Terra Alba
Sienna, Magnesia
Whiting, Silex
Charles B. Chrystal Co., Inc.
13 Cliff St., New York Jersey City

Cooper & Cooper Inc., 23H Cliff, New York York
Drakenfeld B. F. & Co., Inc. (Black, Brown, Recovered), 50 Murray, New York
Fuerst Bros. & Co. (Imp.), 2 Stone, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Innis Speiden & Co., Inc., 46 Cliff, New York
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Meyer J & Sons, Bourse bldg, Phila., Pa.
Nat'l. Lead & Oil Co. (of Pa.), Commonwealth bldg, Pittsburgh, Pa.
Roessler & Hasslacher Chemical Co. (Black), 709 6th av, New York
See adv index at end of book
Scheel Wm. H. (Imp.), 179 Water, New York *See adv index at end of book*
Tennant C. Sons & Co. of N. Y. (Imp.), 19 W 44th, New York
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y.
See adv index at end of book

Oxide of Nickel

See Nickel Oxide

Oxide of Silver

See Silver Oxide

Oxide of Tin

See Tin Oxide

Oxide of Tin Substitute

See Tin Oxide Substitute

Oxide of Uranium

See Uranium Oxide

10438— Oxide of Zinc

American Metal Co., 61 B'way, New York
American Zinc Lead & Smelting Co., 331 Madison av, New York, & 55 Congress, Boston, Mass.
Ball Bros. Co., Munice, Ind.
Bird J. A. & W. & Co. ("Schmidt & Baus"), 348 Concord sq, Boston, Mass.
Chrystal Charles B Co., Inc. (Imp.), 13 Cliff, New York
See adv index at end of book
Cooper & Cooper Inc., 23H Cliff, New York
Doggett Stanley, 11 Cliff, New York
Drakenfeld B. F. & Co., Inc., 50 Murray, New York
Eagle-Picher Lead Co. ("A.A.A."), 208 S La Salle, Chicago, Ill.
Hammill & Gillespie (Imp.), 240 Front, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Innis Speiden & Co., Inc., 46 Cliff, New York
Mallinckrodt Chemical Wks, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
MASTER PAINTERS SUPPLY CO., 158 Front, New York
See adv index at end of book

MAPAZ
A PAINT PASTE
Green Seal French Process
Zinc Oxide 81%
Refined Linseed Oil 19%
And Nothing Else
MASTER PAINTERS SUPPLY CO.

Mineral Point Zinc Co., 140 S Dearborn, Chicago, Ill. Works: Mineral Point, Wis.
National Sales & Trading Co., Cleveland, O.
NEW JERSEY ZINC SALES COMPANY, THE, 158 Front, New York
See adv index at end of book

Pharmaceutical (U. S. P.)
French (Indirect) Process
White Seal, Green Seal, Red Seal
Highest Commercial Grade ZnO
American (Direct) Process
Horse Head (Lead Free) Brands
Special, Selected, XX Red, XX Leaded Brands
Standard 5% $PbSO_4$
Sterling 10% $PbSO_4$
Superior 20% $PbSO_4$
Lehigh 35% $PbSO_4$
Palmerton Process
Kadox Brands
Black Label, Blue Label, Red Label
Extremely Fine Particle Size
The New Jersey Zinc Co.
Products distributed by
THE NEW JERSEY ZINC SALES CO.

(Continued on following page)

LINDE OXYGEN

Largest Producer of Oxygen in the World

The Linde Air Products Company is constantly working to enlarge its usefulness and improve its service. This service to Linde users has resulted in Linde becoming the largest producer of oxygen in the world.

Well-Organized Delivery Service

Linde Oxygen is available in every manufacturing district in the country. A well-organized system of distributing stations provides dependable service to Oxygen users. Thirty-eight plants and seventy-seven warehouses make up this great service chain, every link of which has behind it the strength and facilities of the entire chain.

District Sales Offices

Correspondence regarding prices, terms, etc., should be addressed to the nearest District Sales Office. They will be glad to arrange to adequately take care of your oxygen needs, and to give helpful co-operation and advice on any matters involving the use of Oxygen. Linde District Sales Offices have behind them every resource of the entire Linde organization.

These offices are located as follows:

Atlanta	Dallas	Philadelphia
Baltimore	Detroit	Pittsburgh
Boston	Kansas City	St. Louis
Buffalo	Los Angeles	Salt Lake City
Chicago	Milwaukee	San Francisco
Cleveland	New Orleans	Seattle
	New York	

The Linde Air Products Company

Carbide and Carbon Bldg., 30 E. 42nd St., New York City

Oxide of Zinc—Continued

Ohio Zinc Co., Canon City, Col.
Philipp Bros., Inc., 233 Broadway, New York
See adv index at end of book

French Process Zinc Oxides

U. S. P.—White Seal—Green Seal—Red Seal
American Representatives
Societe de la Vieille Montagne
SPOT STOCKS CARRIED
PHILIPP BROTHERS, Inc.
233 Broadway, New York

Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Reichard-Coulston Co. (Imp.), 95 Madison av, New York
River Smelting & Refining Co., Florence, Col.
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book
Rolls, H. J., Ellicott bldg, Buffalo, N. Y.
Seamless Rubber Co., New Haven, Conn.
Sergeant E. M. Co., 131 Cedar, New York
Smith J. Lee & Co. (French Process, Imp), 19 Jacob, New York
Uhlich Paul & Co. (French Process Imp.), 11 Cliff, New York
Vitro Mfg. Co., H Bessemer bldg., Pittsburgh, Pa.
Wagner Chas. A. Co., Inc., 223 N Front, Phila., Pa.
Whittaker, Clark & Daniels, Inc. (Imp.), 250 Front, New York
WIARDA JOHN C. & CO., 83 Provost, Brooklyn, N. Y.
See adv index at end of book

10438a—Oxide of Zinc (U. S. P.)

NEW JERSEY ZINC SALES CO., THE (Strictly in accordance with the United States Pharmacoepia. Made in the U. S. A.), 158 Front, New York
See adv index at end of book

Oxide (Red)

See Litharge

10438b— Oxides (Spent)

Hunnell & Co., 136 Liberty, New York

10439— Oxone

Roessler & Hasslacher Chemical Co. (For Producing Oxygen), 709 6th av, New York
See adv index at end of book

10440— Oxy-Acetylene Equipment For Cutting & Welding

Advance Welding Machine Co., 111 N Desplaines, Chicago, Ill.
Armstrong Machine & Well Works, Welsh, La.
BASTIAN-BLESSING CO., 240 E Ontario st, Chicago, Ill.
See adv index at end of book
Burdett Mfg. Co., 309 S Johns ct, Chicago, Ill.
Brooks Machine Co. ("Brooks" and Torches), Wichita, Kansas
California Compressed Gas Co., 2311 E 52d, Los Angeles, Cal.
International Oxygen Co., 796 Frelinghuysen av, Newark, N. J.
MacLEOD CO., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Messer Welding Supply Corp., 126 10th, Brooklyn, N. Y.
Milburn Alexander Co., 1420 W. Baltimore, Baltimore, Md.
OXWELD ACETYLENE CO., 30 E 42nd st, New York
See adv index at end of book
Salter Motor Mfg. Co., 1516 Oakland av, Kansas City, Mo.
Stolz Jos. & Sons, Inc., 841 E. 136th, New York
Torchweld Equipment Co., 224 N Carpenter, Chicago, Ill.
Track Specialties Co., Inc. (Dirs.), 2-4-6 Morris, New York
Victor Oxy-Acetylene Equipment Co. ("Victor"), 844 Folsom, San Francisco, Cal.
See adv index at end of book

10440a—Oxy-Hydrogen Apparatus

Bastian-Blessing Co., 240 E Ontario st, Chicago, Ill.
See adv index at end of book
Burdett Mfg. Co., 309 St. John ct, Chicago, Ill.
Electrolabs Co. (Testing Meters & Gages), 2635 Penn av, Pittsburgh, Pa.
Messer Welding Supply Corp., 126 10th, Brooklyn, N. Y.

10441— Oxygen

Air Reduction Sales Co., 342 Madison av, New York
American Oxygen Ass'n, 134 Eliot, Boston, Mass.
Beseler Oxygen Co., 131 E 23d, New York
Bettendorf Oxygen-Hydrogen Co., Bettendorf, Ia.
Bolbach Co., Omaha, Neb.
Braun J. G., 609 S Paulina, Chicago, Ill.
Burdett Mfg. Co., 309 St. John ct, Chicago, Ill.
California Compressed Gas Co. ("Purox"), 2311 E 52d, Los Angeles, Cal.
Chicago Calcium Light Co., 2829 W Lake st, Chicago, Ill.
Chicago Oxygen Gas Co., 1046 W Van Buren, Chicago, Ill.
Clarke Chem. Co., Wickliffe, O.
Crane Oxygen Wks, 2 W 90th, New York

ELECTROLABS CO. (Generators Only), 2635 Penn. av, Pittsburgh, Pa.
See adv index at end of book

Fels & Co., 73rd & Woodland av, Phila, Pa.
French F. W. Oxygen Co., 305 26th, Oakland, Cal.
International Oxygen Co. (Also Hydrogen, "I. O. C." System), 796 Frelinghuysen av, Newark, N. J.
Kentucky Oxygen Hydrogen Co., 1416 Magazine, Louisville, Ky.
Lennoil Chemical Co., 1204 E 55th, Cleveland, O.

LINDE AIR PRODUCTS CO., THE, 30 E 42nd, New York
See adv index at end of book

Logansport Oxygen Co., Loganport, Ind.
Murray Oxygen Co., 449 W 53d, New York
National Oxygen Co., 105 W Monroe, Chicago, Ill.
Ohio Electrolytic Oxygen Co., 942 Kenyon av, Cincinnati, Ohio
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book
St. Louis Oxygen Co., 2500 Montgomery, St. Louis, Mo.
Southern Cotton Oil Co. ("Scoco"), 120 B'way, New York
Standard Gas Products Co., Inc. (Compressed), Atlanta, Ga.
Standard Oxygen Co., 216 E 42d, New York
Superior Oxygen Co., 113 Plum, St. Louis, Mo.
Swift & Co. (Oxygen Dept), Union Stock Yards, Chicago, Ill.
Tariff Oxygen & Chemical Co., Tariffville, Conn.
Universal Oxygen Co., Sheboygan, Wis.

Washington Compressed Gas Co., 2920 1st av S, Seattle, Wash.
Western Nitrous Oxide Co. (Dental & Medicinal), 10th & Folsom, San Francisco, Cal.
Western Oxygen Co. ("Westox"), 2417 E 58th, Los Angeles, Cal.
White S. S. Dental Mfg. Co., 211 S 12th, Phila., Pa.

Oxymuriate of Antimony

See Antimony Oxymuriate

10441a— *Oyster Washers

Koven & Brother, Inc., L. O., 154 Ogden av, Jersey City, N. J.
See adv index at end of book

Oyster Washers

"KOVEN"

Oyster Washers

Patented process for washing oysters with compressed air.

Ask for information

Oyster Strainers and Measures

L. O. KOVEN & BROTHER, Inc.
154 Ogden Avenue, Jersey City, N. J.

10442—Packages (Fruit & Vegetables)

Anderson Box & Basket Co., Henderson, Ky.
Angelo & Son (Tin Top & Berry Baskets), 398 Bay, San Francisco, Cal.
Anglers Co. (Frog Carrying), 1534 W Lake, Chicago, Ill.
Annett Box Co. ("Autex," "Fancy Round Baskets"), East Joffrey, N. H.
Barden & Robeson Corp., Penn Yan, N. Y.
Baumeister F. & Son, Rockwood, Mich.
Burlington Basket Co. (Double Covered), Burlington, Ia.
Bryant Mfg. Co. (Wooden), Springfield, O.
Butler Basket Co., (Bamboo, Splint, etc.), Butler, Ind.
California Barrel Co., Dept H, 22nd & Illinois, San Francisco, Cal.
Chehalis Box Basket & Veneer Co., Chehalis, Wash.
Colby-Hinkley Co. (Baskets & Veneers), Benton Harbor, Mich.
Coles & Co. (Jobbers), 230 West, New York
Cumberland Fruit Package Co. ("Ewald," Folding), Cumberland, Wis.
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Farmers Mfg. Co., Norfolk, Va.
Graham Mfg. Co., Longview, Texas.
Guile & Windnagle, Penn Yan, N. Y.
Hamper & Basket Mfg. Co., Bridgeton, N. J.
Huke Wm. Rattan & Willow Ware Mfg. Co., 1007 S 7th, St. Louis, Mo.
Los Angeles Basket Co., 774 Market, Los Angeles, Cal.
Mackall Paine Veneer Co. (Fruit Baskets), Vancouver, Wash.
Macon Crate & Basket Co., 10th & Oak, Macon, Ga.
Marvil Package Co., Laurel, Del.
New Vernon Basket Co. ("Tin Top"), 2339 E. 52d, Los Angeles, Cal.
Mullen Bros. Paper Co., St. Joseph, Mich.
New Albany Box & Basket Co. (Splint), New Albany, Ind.
Peru Basket Co. (Bamboo & Splint), Peru, Ind.
Planters Mfg. Co., Portsmouth, Va.
Portland Mfg. Co. (Berry Baskets), ft. Richmond, Portland, Ore.
Rast P. T. & Sons (Baskets), Swansea, S. C.
Redmon W. C. Sons & Co. ("Red Man" Fancy & Staple Baskets), Dept H, Peru, Ind.
Sanitary Metal Basket Co., Lafayette, Ind.
Standard Basket Mfg. Co., Guntersville, Ala.
Weber Supply & Specialty Co. (Jobbers, Baskets, Packages & Crates), 2250 So. Union av, Chicago, Ill.
Wells-Higman Co. (Also Crates), St. Joseph, Mich.
Weston Basket & Barrel Co., 813 Folsom, San Francisco, Cal.
Yates Lumber Co., Penn Yan. N. Y.

10442a—*Packages (Metal)

See also Cans and Containers
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book

Packers (Cement)

See Packing Machines; also Bag Filling Machines

Packers (Flour, Bran & Feed)

See Packing Machines; also Bag Filling Machines

10442b—Packers (Flour Mill)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book

10443—Packers (Linseed & Cottonseed Cake)

French Oil Mill Machinery Co., Piqua, O.
Southern Cotton Oil Co., 120 B'way, New York
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book

10444— Packers (Oil Well)

See also Rubber Goods, Mechanical
Baker Casing Shoe Co., Box 264 Huntington Park, Los Angeles, Cal.
Barwood L. J. Mfg. Co. ("Barwood" Leather), Stoneham 80, Boston, Mass.
See adv index at end of book
Barwood, V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book
Continental Supply Co., Post-Dispatch bldg, St. Louis, Mo.
Crowell Packer Co. ("Crowell," Also Casing & Tubing Oil Savers & Landing Heads), 412 W 1st, Tulsa, Okla.
Dresser S. R. Mfg. Co., Bradford, Pa.
Goodrich B. F. Co., Akron, O.
Herron R. H. Co., 934 N Alemeda, Los Angeles, Cal.
Hewitt Rubber Co. (Swab Rubbers), Buffalo, N. Y.
Kane Supply Co., Kane, Pa.
Larkin & Co., Butler, Pa.
Larkin J. J., Bartlesville, Okla.
McElwaine Mfg. & Auto Co., Bradford, Pa.
Masseth Packer & Machine Co. ("Masseth's"), Butler, Pa.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Pacific Oil Tool Co. ("Crowell"), 1928 E 7th, Los Angeles, Cal.
Pennsylvania Rubber Co., Jeannette, Pa.
Pierce Packer Co., Franklin, Pa.
Robinson Packer Co., Tulsa, Okla.
Spang & Co. Butler, Pa.
Wigle & McBride, Inc., 41 American av, Long Beach, Cal.

10445— Packers (Shingle)

De Loach Mill Mfg. Co., Chattanooga, Tenn.
Lane Mfg. Co., Montpelier, Vt.
Street Bros. Machine Works, Chattanooga, Tenn.
Sumner Iron Wks., Everett, Wash.
Trevor Mfg. Co., Lockport, N. Y.

10446—Packers (Sub-Surface)

Dunham Co. (Also Surface), Berea, O.
General Asbestos & Rubber Co., Charleston, S. C.

10446a— Packing (Acid)

Barwod V. H. Mfg. Co., Lynn, Mass.
See adv index at end of book
Brawley T. R. (Felt), 270 20th, Brooklyn, N. Y. ***See adv index at end of book***
Dominion Asbestos & Rubber Corp., 154 Nassau, New York
See adv index at end of book
Durabla Mfg. Co. ("Durabla"), 114 Liberty, New York
Goetze Gasket & Packing Co., 3 Allen av, New Brunswick, N. J.
See adv index at end of book
Goodall Rubber Co., 11th & Arch, Phila., Pa.
Hewitt Rubber Co., 246H Kensington av, Buffalo, N. Y.
Jenkins Bros., 80 White, New York
See adv index at end of book
Metric Packing Co., 244 Kensington av, Buffalo, N. Y. *See adv index at end of book*
Monarch Felt Works (Felt), 39-45H York, Brooklyn, N. Y.
U. S. RUBBER CO., 1790 B'way, New York
See adv index at end of book
Western Packing & Supply Co., 233 N Wells, Chicago, Ill.
See adv index at end of book

10447— Packing (Air)

Asbestos Materials Corp., Millington, N. J.
Barwood L. J. Mfg. Co. ("Barwood" Leather), Stoneham 80, Boston, Mass.
See adv index at end of book
Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book
Brawley T. R. (Compressor Felt), 270 20th, Brooklyn, N. Y.
See adv index at end of book
CHICAGO BELTING CO., 110 N Green, Chicago, Ill.
See adv index at end of book
CHICAGO RAWHIDE MFG. CO., THE, 1307 Elston av, Chicago, Ill.
See adv index at end of book
Continental Felt Co. (Felt), 64-66 E 11th, New York ***See adv index at end of book***
Crandall Packing Co., Dept H, Maple & Canal, Palmyra, N. Y.
Darcoid Company, 1780 B'way, New York
See adv index at end of book
Detroit Leather Specialty Co. (Inc.), ("Wear Well" Leather), 275 Beecher av, Detroit, Mich.
Durabla Mfg. Co. ("Durabla"), 114 Liberty, New York
Fischer & Hayes Rope & Steel Co., 742-744 W. Van Buren, Chicago, Ill.
General Asbestos & Rubber Co., Charleston, S. C.
Goetze Gasket & Packing Co. ("Goetze" & "Goetzerit"), New Brunswick, N. J.
See adv index at end of book
Goodall Rubber Co., 11th & Arch, Phila., Pa.
Greene Tweed & Co., 109H Duane, New New
Holmes Metallic Packing Co., 454 Clement, Wilkes-Barre, Pa.
Jenkins Bros., 80 White, New York
See adv index at end of book
McQuay-Norris Mfg. Co. ("Leakproof" Piston Head), Cooper & Southwest avs, St. Louis, Mo.
Martell Packings Co., Elyria, Ohio
See adv index at end of book
Mikesell Bros. Co., Wabash, Ind.
See adv index at end of book
Monarch Felt Works (Compressor Felt), 39-45H York, Brooklyn, N. Y.
Montgomery Bros., 45 S 2nd, Phila., Pa.
Niagara Falls Ont. Gasket & Packing Co., 831 E 15th, Brooklyn, N. Y.
Quaker City Rubber Co. ("P. P. P."), 3927 Comly st, Philadelphia, Pa.
See adv index at end of book
UNION ASBESTOS & RUBBER CO., 351 E. Ohio st, Chicago, Ill.
See adv index at end of book
Western Packing & Supply Co., 233 N Wells, Chicago, Ill.
See adv index at end of book

10447a—Packing (Air Brake)

Michigan Leather Packing Co., Inc., 618-620 St. Antoine, Detroit, Mich.
See adv index at end of book

10448—Packing (Air Compressor)

Barwood L. J. Mfg. Co. ("Barwood" Leather), Stoneham 80, Boston, Mass.
See adv index at end of book
Barwood, V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book
Chicago Rawhide Mfg. Co., The, 1307 Elston av, Chicago, Ill.
See adv index at end of book
Crandall Packing Co., Dept H, Maple & Canal, Palmyra, N. Y.
Darcoid Company, 1780 B'way, New York
See adv index at end of book
Durabla Mfg. Co. ("Durabla"), 114 Liberty, New York
General Asbestos & Rubber Co., Charleston, S. C.
Goodall Rubber Co., 11th & Arch, Phila., Pa.
Greene Tweed & Co., 109H Duane, New York
Holmes Metallic Packing Co., 45H Clement, Wilkes-Barre, Pa.
McQuay-Norris Mfg. Co. ("Leakproof"), Cooper & Southwest avs, St. Louis, Mo.
Martell Packings Co., The, Elyria, O.
See adv index at end of book
MICHIGAN LEATHER PACKING CO., INC., 618-620 St. Antoine, Detroit, Mich.
See adv index at end of book
Mikesell Bros. Co., Wabash, Ind.
See adv index at end of book
Montgomery Bros., 45 S 2nd, Phila., Pa.
Plant Rubber & Asbestos Works, 537H Brannan, San Francisco, Cal.
Quaker City Rubber Co. ("P. P. P."), 3927 Comly st, Philadelphia, Pa.
See adv index at end of book
Western Packing & Supply Co., 231 N Wells, Chicago, Ill.

10448a— Packing (Ammonia)

American Ice Co., Center bldg, Phila., Pa.
Asbestos Materials Corp., Millington, N. J.
Barwood L. J. Mfg. Co. ("Barwood"). Stoneham 80, Boston, Mass.
See adv index at end of book
Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book
Crandall Packing Co., Dept H, Maple & Canal, Palmyra, N. Y.
Dominion Asbestos & Rubber Corp., 154 Nassau, New York
See adv index at end of book
Durabla Mfg. Co. ("Durabla"), 114 Liberty, New York
General Asbestos & Rubber Co., Charleston, S. C.
GOETZE GASKET & PACKING CO., 3 Allen av, New Brunswick, N. J.
See adv index at end of book
Jenkins Bros., 80 White, New York
See adv index at end of book
Kneadable Metallic Packing Co. ("U-Knead-It"), 780 Bryant, San Francisco, Cal.

(Continued on following page)

UNION ASBESTOS & RUBBER CO.

MAKERS OF ASBESTOS PRODUCTS

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Boiler Insulation
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Packings for Every
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CHICAGO, ILL.

SALES OFFICE:
310 South Michigan Avenue
CHICAGO, ILL.

Packing (Ammonia)—Continued

Montgomery Bros., 45 S 2nd, Phila., Pa.
Quaker City Rubber Co. ("P. P. P."), 3927 Comly st, Philadelphia, Pa.
See adv index at end of book
Simmons John Co., 110 Centre, New York
See adv index at end of book
U. S. Rubber Co., 1790 B'way, New York
See adv index at end of book
Vilter Mfg. Co. 1046 Clinton, Milwaukee, Wis. *See adv index at end of book*
Walker James & Co., 46 West, New York
Western Packing & Supply Co., 233 N Wells, Chicago, Ill.
See adv index at end of book

10449— Packing (Asbestos)

American Asbestos Co. (Metallic Sheet, Asbestos Rod, Ring, Wick, Rope & Braided), Norristown, Pa.
American Brake-Lining Co. ("ABC" Sheet), Lansdale, Pa.
American Insulation Co., Nicetown, Phila., Pa. *See adv index at end of book*
Am. Steam Packing Co., 516 Atlantic av, Boston, Mass.
Anchor Packing Co. ("Ankorite"), 531 Market, Philadelphia, Pa.
Argus Asbestos Co., Inc., Port Chester, N. Y.
Asbestos Fibre Spinning Co., North Wales, Pa.
Asbestos Materials Corp., Millington, N. J.
Asbestos Textile Co., 18 E 41st, New York
Austin, Mason & Co., 15 Park row, New York
BARWOOD L. J. MFG. CO. ("Barwood"), Stoneham 80, Boston, Mass.
See adv index at end of book
Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book
Boonton Rubber Co. (Hard Rubber & Asbestos Rings), Boonton, N. J.
Carey Philip Mfg. Co. (Asbestos, Air, Ammonia, Hydraulic, Pump, Steam, etc), 330 Wayne av, Lockland, Cincinnati, O.
Cincinnati Rubber Mfg. Co. ("Royal Red" and "Black" wire interwoven), Norwood, Cincinnati, O.
See adv index at end of book
Clinton Mfg. Co., 83 Grand av, Brooklyn, N. Y.
Combination Rubber Mfg. Co. (High Pressure), Bloomfield, N. J.
Crandall Packing Co., Palmyra, N. Y.
Darcoid Company, 1780 B'way, New York
See adv index at end of book
Dealers Steam Packing Co., Palmyra, N. Y.
Durabla Mfg. Co. ("Durabla"), 114 Liberty, New York
Empire Tire & Rubber Corp. ("Duplex"), Trenton, N. J.
Essex Rubber Co., Trenton, N. J.
Fibre Rock Mfg. Co., 4566 Silverwood, Phila., Pa.
Franklin Mfg. Co. ("Franklin"), Franklin, Pa.
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Garlock Packing Co., Palmyra, N. Y.
GASKET SUPPLY CO. ("Right" Superhead Asbestos Metallic & Mill Board), 1927 Ludlow, Phila., Pa.
See adv index at end of book
General Asbestos & Rubber Co. ("Garco," "Fibro Metallic," "Valbestine"), Charleston, S. C.
Goetze Gasket & Packing Co. ("Goetzerit"), 3 Allen av, New Brunswick, N. J.
See adv index at end of book
Goodall Rubber Co., 11th & Arch, Phila., Pa.
Goodyear Tire & Rubber Co., Inc. ("Good Year"), 1144 E Market, Akron, O.
Greene Tweed & Co., 109H Duane, New York
Horton F. L. Corp. ("Elektra"), 36 Whittier Roxbury, Boston, Mass.
Janos Asbestos Co. ("Janos"), 26 Cortland, New York
Jenkins Bros., 80 White, New York
See adv index at end of book
Johns-Manville, Inc. ("Kearsarge" Asbestos Metallic Sheet), Madison av. & 41st, New York
Johns-Pratt Co. ("Vulcobeston" Red Fibre, Sheet), Hartford, Conn.
Keasbey & Mattison Co., Ambler, Pa.
Keystone Gasket Mfg. Co. (Asbestos Metallic & Mill Board), 829 N 4th st, Philadelphia, Pa.
See adv index at end of book
Metric Packing Co., 244 Kensington av, Buffalo, N. Y. *See adv index at end of book*
MIKESELL BROS. CO., Wabash, Ind.
See adv index at end of book
Montgomery Bros., 45 S 2nd, Phila., Pa.
National Asbestos Packing Mfg. Co., 30 Front, New York
New Jersey Asbestos Co., 1 Water, New York
Plant Rubber & Asbestos Works, 537H Brannan, San Francisco
Raybestos Co. ("Raybestos"), Bridgeport, Conn.
Smyth Rubber & Packing Co., 512 Mercer, Jersey City, N. J.
Springman Paper Products Co. ("Springoid"), 75 W Larned, Detroit, Mich.
Standard Asbestos Co., 69 Beekman, New York
Strong Machinery & Supply Co. ("Tisafine" Grapho Asbestos Valve & Piston Sheet), 292-294 Church, New York
See adv index at end of book
UNION ASBESTOS & RUBBER CO., 351 E Ohio st, Chicago, Ill.
See adv index at end of book
United Asbestos & Packing Co. ("Duraco," "Durabestos," "Unapac"), 619-629 Washington blvd., Chicago, Ill.
U. S. Asbestos Co. ("Usco," "Asbestolith"), 45 N Duke, Lancaster, Pa.
U. S. Rubber Co., 1790 B'way, New York
See adv index at end of book

UNITED STATES RUBBER COMPANY US RUBBER SYSTEM AND ASSOCIATED COMPANIES

"U. S." WIZARD
Asbestos Packing
Braided or Twisted
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

Watson H. F. Co., Erie, Pa.
Western Packing & Supply Co., 233 N Wells, Chicago, Ill.
See adv index at end of book
Wing J. T. & Co., 19 Woodward av, Detroit, Mich.
Woven Steel Hose & Rubber Co., Trenton, N. J.

10450—Packing (Asbestos, Metallic Cloth)

Acme Asbestos Covering & Flooring Co., 234 N. Elizabeth, Chicago, Ill.
See adv index at end of book
American Asbestos Co., Norristown, Pa.
Argus Asbestos Co., Inc., Port Chester, N. Y.
Asbestos Fibre Spinning Co., North Wales, Pa.
Asbestos Materials Corp., Millington, N. J.
Asbestos Textile Co., 18 E 42nd, New York
Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
Carey Phillip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, O.
Darcoid Company, 1780 B'way, New York
See adv index at end of book
Gasket Supply Co. ("Right"), 1927 Ludlow, Phila., Pa.
See adv index at end of book
General Asbestos & Rubber Co. ("Garco"), Charleston, S. C.
Goodall Rubber Co., 11th & Arch, Phila., Pa.
Johns-Manville, Inc., Madison av. & 41st, New York
Keasbey & Mattison Co., Ambler, Pa.
Keystone Gasket Mfg. Co., 829 N 4th st, Philadelphia, Pa.
See adv index at end of book
Mikesell Bros. Co., 156 N La Salle, Chicago, Ill. *See adv index at end of book*
Montgomery Bros., 45 S 2nd, Phila., Pa.
Plant Rubber & Asbestos Works, 537H Brannan, San Francisco, Cal.
Quaker City Rubber Co., 3927 Comly st, Philadelphia, Pa.
See adv index at end of book
U. S. Asbestos Co., Lancaster, Pa.
UNION ASBESTOS & RUBBER CO., 351 E Ohio st, Chicago, Ill.
See adv index at end of book
Watson H. F. Co., Erie, Pa.

10450a—Packing (Baling Press)

Michigan Leather Packing Co., Inc., 618-620 St. Antoine, Detroit, Mich.
See adv index at end of book

10451— Packing Box Mfrs.

ARKANSAS.

CALIFORNIA.

ALAMEDA—Central Box & Lumber Co., 2339 Blanding av
FRESNO—Fresno Flume & Lumber Co.
Mandary's Planing Mill, Inc., H & Santa Clara
LOS ANGELES—Harbor Box & Lumber Co., 1430 S Alameda
Miller Box Mfg. Co., 201 N av 18
Southern California Box Co., 2315 Santa Fe av
OAKLAND—Oakland Box Factory, 5th & Oak
PALO ALTO—Steere C. H. Mfg. Co.
SACRAMENTO—Capital Box Factory, 2nd & Q
SAN FRANCISCO—California Pine Box & Lumber Co., 1st Nat'l. Bk. bldg.
Mercantile Box Co., 318 Market
Pacific Box Factory, Beach nr Mason
Pacific Wirebound Box Co., 2665 Jones
Standard Box Co., Bryant & Beale
Wood E. K. Lumber Co., 1 Drumm
SAN JOSE—Chase S. H. Lumber Co.
Pacific Shingle & Box Co.

COLORADO.

DENVER—Hallack & Howard Lumber Co.

CONNECTICUT.

BRIDGEPORT—Hoffman H. C. & Co., 592 Atlantic
HARTFORD—Rockwell John W. & Sons Co., 639 Windsor
NEW HAVEN—Hubbell & Mervin Co.

FLORIDA.

JACKSONVILLE—Cummer Lumber Co.

GEORGIA.

ATLANTA—Hightower Box & Tank Co.
Union Box Mfg. Co.
SAVANNAH—Pierpont Mfg. Co.

ILLINOIS.

CHICAGO—Acme Box Co., 1401 W 21st pl
Consumers Box Mfg. Co. 925 N Halsted
Excelsior Box Co., 311 S Jefferson
Friedlander Box Co. (New & Second Hand), 1300 W Lake

Goodwillie Bros. (Also Wausau, Wis., & Manistique, Mich.), 1208 W 22nd
Goodwillie D. M. Co. (Pine & Hardwood), 22nd & Racine av
Herman K. I. Co., 211 W Washington
Illinois Packing Box Co., 925 W Halsted
Kurz Bros. Co., Blackhan & 1331 N Branch
McNeill, Lauff & McNeill, 925 N Halsted
Monarch Box Co., 925 N Halsted
National Box Co., 38th & Racine av
Rathborne, Hair & Ridgway Co., 2279 S Union av
Republic Box Co., 925 N Halsted
HOOPESTON—Moore & McFerren
KARNAK—Main Bros. Box & Lumber Co.
ROCKFORD—Green Bros. Box & Lumber Co.
SPRINGFIELD—Abbott Bros.

INDIANA.

CRAWFORDSVILLE—Crawfordsville Wire & Nail Co.
ELWOOD—Indiana Box Co.
INDIANAPOLIS—Dietz Fred Co., 1102 Madison av

KANSAS.

KANSAS CITY—Kansas City Packing Box Co.

KENTUCKY.

LOUISVILLE—Mengel Box Co.
MAYFIELD—Mayfield Planing Mills

LOUISIANA.

BONAMI—King-Ryder Lumber Co.
NEW ORLEANS—Alcus S. T. & Co. (Ltd.), Hagan av & New Basin
Pelican Box Factory, Mire & Julian

MAINE.

AUBURN—Conant F. R. Co.
Hutchins H. Wesley Co. (Veneer Boxes)
Page N. L. & Son Co.
BIDDEFORD—Deering J. G. & Son.

MARYLAND.

BALTIMORE—Asendorf Wm. H. & Co., Russell & Stockholm
Becker Bro. & Son, Lexington & Fkd.
Canton Box Co., 2515 Boston
Dreyer H. D. & Co., Aliceanna & Spring
Duker J. H. Box Co., Aliceanna, cor Eden
Louis Henry D., Leadenhall & B & & O RR
Radecke H. F. Sons, Bush & Ridgely
Southern Can Co., 717 S Wolfe
EAST BROOKLYN—East Brooklyn Box Co.
HURLOCK—Thompson G. A. & Sons

MASSACHUSETTS.

ACUSHNET—Acushnet Saw Mills Co.
AMHERST—Angus Nelson E.
BOSTON—Corcoran P. & Son, D. S.
Manwell F. P. & Co. (Dealers), 190 A
BROCKTON—Bonney E. L. Box Co.
Woodbridge F. L.
CAMBRIDGE—Page Geo. G. Box Co.
CHELSEA—Atwood & McManus Box Co.
Parsons Mfg. Co.
Varney Isaac & Sons Co.
FITCHBURG—Cook O. S. & Sons Co.
GLOUCESTER—Merchant Box & Cooperage Co.
Perkins Box Co.
GREENFIELD—New England Box Co.
See adv index at end of book
HAVERHILL—Haverhill Box Board Co.
Hayes C. H. Corporation
Island Box Co.
Owens John & Co.
Tapley L. W.
HOLYOKE—Merrick Lumber Co.
LAWRENCE—Dinsmoore Geo. W.
Lawrence Lumber Co.
Pingree D. W. Co.
LOWELL—Allen Otis & Son Co.
Cady Geo. L. & Sons
Cheney Frank P.
Davis & Sargent Lumber Co.
MEDWAY—Medway Box Co.
NATICK—Natick Box & Board Co.
NORTH ADAMS—Dibble S. B. Lumber Co.
OXFORD—Chaffee Bros. Co.
PETERSHAM—Carter J. A.
READING—Symonds O. P. & Sons
SOUTHBRIDGE—Ide Lumber Co.
SPRINGFIELD—West F. M. Box Co., 121 Lowell av
TULLY—Gale Conrad H.
WILLIAMSBURG—Bradford G. M.
WORCESTER—Baker Box Co., 84 Foster
Williams & Bridges Co., 74 Central

MICHIGAN.

BAY CITY—Bradley Miller & Co.
Foss E. B.
Handy Bros.
Nickless W. H.
Vance E. J. Box Co. Ltd.
DETROIT—Backus A. Jr., & Son, 393 Lafayette
Beyster John, 875 Wort W
Grigg-Hanna Co., 4086 Michigan av
Restrick Lumber Co., 1016 Vinewood av
MENOMINEE—Crawford Mfg. Co.
Fisher Box Co.
MUSKEGON—La Belle Box Co.
Langeland Mfg. Co.
SAGINAW—Mershon Eddy Parker Co.
WHITEHALL—Nufer Cedar Co. (Hardwood Boxes & Crates)

MINNESOTA.

DULUTH—Wallinder E. G.
Zenith Box & Lumber Co., 43rd av, W & Traverse
MINNEAPOLIS—Clark J. R. Co., 2d av N & Aldrich
Coffin's Box & Lumber Co., Nicollet Island
ST. PAUL—Minnesota Box Co., 827 Forest
Osgood & Blodgett Mfg. Co., Duluth av & E 7th
Villaume Box & Lumber Co., Chicago, Indiana avs. & Walter

MISSISSIPPI.

HATTIESBURG—Newman J. J. Lumber Co.
NATCHEZ—National Box Co.

MISSOURI.

KANSAS CITY—Chapman & Dewey Lumber Co., Rialto bldg
Forrester-Nace Box Co., 8th & Wyoming
Inman Box Co., 201 Delaware
United Box Mfg. Inc., Prospect & Guinotte av
ST. JOSEPH—Letts W. T. Box & Cooperage Co.
ST. LOUIS—Alt Box Mfg. Co., 174 Carroll
Chicago Mill & Lumber Co., 200 Chouteau av
Columbia Box Co., 19th & N Market
Fehlig Bros. Box Mfg. Co., 1909 Wash'n
Goessling Wm. F. Box Co., Blair av & Mullanphy
Loy-Lange Box Co., 3d & Russell
Mengel Box Co., Folsom & Lawrence
St. Louis Box Factory, 721 S 2d
Woods & Down, 13th & Mullanphy
SIKESTON—Baker-Matthews Mfg. Co.

NEBRASKA.

OMAHA—Omaha Box Co.

NEW HAMPSHIRE.

EAST JAFFREY—Stratton C. L.
KEENE—Fowler-Norwood Greene Co.
MANCHESTER—Fellows & Son
Hodge Jeremiah Co.
Smith Box & Lumber Co.
West Side Lumber Co.
NASHUA—American Box & Lumber Co.
ROCHESTER—Champlin Wm. H.
STATE LINE—Damon Walter S.

NEW JERSEY.

CAMDEN—Coles C. B. & Sons Co.
JERSEY CITY—Dodge & Bliss Co., W End
NEWARK—Ripley D. & Sons, 77 Commercial
Ripley D. & Sons, 77 Commercial

NEW YORK.

ALBANY—Romeyn T. F. Co.
BUFFALO—Buffalo Box Factory, Scoville
Elias G. & Bro., 965 Elk
Graves Manbert & George
MacLean Box Factory, 166 Elk
Montgomery Bros. & Co.
Niagara Box Co., 820 S Division
LESTERSHIRE—Lestershire Lumber & Box Co.
LOCKPORT—Cochran Box & Mfg. Co. Inc. ("Cochran")

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Bossert Louis & Son, 1335 Grand
Burdick L. N.
Eckert John A., 314 Pearl
Goodman & Gavin, 248 Metropolitan av
Haws William, 154 9th
Richards O. S., Inc., 87 34th
Smith E. C., 420 Oakland

Boroughs of Manhattan and Bronx.

NEW YORK—Armstrong Eliza J., 513 Greenwich
Atlantic Box & Lumber Co., 314 E 5th
Bieg Fred Box Co., 40 Gold
Buse Frederick, 1110 1st av
Carroll Box & Lumber Co., 629 E 18th
Dunbar Box & Lumber Co., 282 11th av
Dunning J. H. Corp., 53 Park pl
Eckert John A., 90 John
Epstein & Vollweiler, 314 E 5th
ESTES E. B. & SONS (Small), 364 5th av *See adv index at end of book*
Fagan James & Son, 204 W Houston
FitzGerald James H., 532 W 20th
Gerow Emma, 450 11th av
Gilmour J. A. Co., 23 Bond
Green A. H. Co., 103 Park av
Greenfield Box Co., 21 Gold
Kidney George, 7 Walker
Merrall F. R. & Co., 505 E 18th
Mitchell & Moffett, 54 Crosby
New England Box Co., 104 E 42nd
See adv index at end of book
O'Brien & Mosher, 223 Greene
Ryan Martin Packing Box Co., 18 Bethune
Ryan P., 556 Washington

(End of New York City)

NORTH TONAWANDA—Berry Geo. White, Gratwick & Mitchell
ROCHESTER—Rochester Box & Lumber Co.
Woodstock Mfg. Co. (Nailed or Dovetailed), Dept. H
SYRACUSE—Lyons John H., 548 Canal
Markert Mfg. Co.
TONAWANDA—Wilson Lumber & Box Co.

NORTH CAROLINA.

GOLDSBORO—Empire Mfg. Co. (Re-inforced 3-Ply Veneer)
Utility Mfg. Co. (Three-Ply Veneer)
HICKORY—Hutton & Bourbonnais Co.

OHIO.

BARNESVILLE—Hutchinson E. J.
CINCINNATI—Aman & Sandmann, 18 W McMicken av
Anchor Box Co., Beekman & Arlington & B. & O. R. R.
Conkling E. A. Box Co., 2001 Reading rd
Kenker Fred & Sons, 3904 North Bend rd, Cheviot
McWilliams & Schulte, McLean av & Richmond
Queen City Box Co., Wade, Flint & McLean
CLEVELAND—Acme Box & Lumber Co., 1900 W 3rd
American Box Co., 1900 W 3d
Dunn James Box Co., 1952 W 3d
Hahn J. N. Co., Cuyahoga & W 3d
Smeed Box Co., 1878 Scranton rd
Wiggins Fred B.
DAYTON—Gondert & Lienesch
LAGRANGE—Ryan H. J.
MARTINS FERRY—La Belle Box Co.
SANDUSKY—American Crayon Co., 1300 Hayes av
TOLEDO—Phoenix Box Factory
Western Manufacturing Co.

OREGON.

PORTLAND—Multnomah Lumber & Box Co., Ft. of Bancroft
Oregon Box & Mfg. Co., 1144 MacAdams
Standard Box & Lumber Co., 55 E Water
GRANT'S PASS—Pine Box Co.

PENNSYLVANIA.

ALLENTOWN—Allentown Packing Box Co., 243 Front
CHESTER—Hamilton James M.
HAWLEY—Atkinson Box & Lumber Co.
McKEES ROCKS—Russell W. L. Box & Lumber Co.
MONESSEN—Monessen Box Co.
PHILADELPHIA—Carnwath, Bell & Co., 613 Cherry
Datz Chas F. Co., Cabot & York
Davidson D. H., 2040 Fitzwater
Galbraith John (Est. of), 619 Commerce
Jones Samuel & Sons, 3207 Sp. Garden
Keystone Box Mfg. Co., Tioga & Memphis
Kugler Geo. W. & Sons Co. (Wholesale), 921H New Market
Martin John, 1835 E Ruan
Meisle G. & Bro., 217 New
Mench S. B. & Co., 2030 E Dauphin
Pearson Jos. T., & Sons Co., 1315 E Boston
Philadelphia Packing Box Co., 2624 American
Treen Box Co., Inc., Tioga & Memphis
PITTSBURGH—Keystone Box Co., 26th & Liberty av
Kress F. J. Box Co., 2930 Liberty av
READING—Deysher Abner S.
SCRANTON—Newman J. J. Lumber Co., Traders' Bank bldg

RHODE ISLAND.

PAWTUCKET—Polsey J. N. & Co.
PROVIDENCE—Darling C. P. Co., 415 Charles
Presbrey A. A. & Son Co., Summer
Providence Box & Lumber Co., 1102 Cranston

SOUTH CAROLINA.

CHARLESTON—Woodstock Mfg. Co.

TENNESSEE.

KNOXVILLE—Holston Box & Lumber Co., Mitchel
MEMPHIS—Anderson-Tully Co., N 2nd
Jorgensen-Bennett Mfg. Co., 7th
Moore & McFerren, Wolf River
NASHVILLE—Lieberman, Loveman & O'Brien, Chestnut

VERMONT.

BENNINGTON—Bingham J. B.
BURLINGTON—Crane W. & D. G. Co.
Hickok Horatio Co.
Robinson Edwards Lumber Co.
RICHMOND—Richmond Lumber Co.

VIRGINIA.

NORFOLK—American Box & Lumber Co.
Norfolk Veneer Co.
RICHMOND—Allegheny Box Co., 601 Byrd
Lea David M. & Co. (Pine), 1922 E Maine
Miller Mfg. Co., 7th & Stockton

WASHINGTON.

GOLDEN DALE—Cameron J. E.
SEATTLE—Bennett H. L. Box Factory
Seattle Box Co., 401 Spokane av
Stetson & Post Lumber Co.
SPOKANE—Hedlund Box & Lumber Co., N 802 Stone
Phoenix Lumber Co., N 348 Wall
Western Pine Mfg. Co., Ltd., Astor & Jackson
Wilson Cahill Box Co., N 2706 Morton
TACOMA—Pacific Box Co., Hylebos Way,

(Continued on following page)

Packing Box Mfrs.—Continued

WISCONSIN.

BEAVER DAM—Beaver Silo & Box Mfg. Co.
CATO—Killen W. N.
EAU CLAIRE — Lindermann Box & Veneer Co.
GRAND RAPIDS—Badger Box & Lumber Co.
JANESVILLE—Magee Bros.
MENASHA—Menasha Mfg. Co.
MANITOWOC—Drost H. Box Mfg. Co.
Schnorr Bros. Co.
MARINETTE—Republic Box Co.
Marinette & Menominee Box Co.
MILWAUKEE—Beck August C. Co., 1-30 East
Hays George W., 228 5th
Kieckhefer Box Co., 16th St. Viaduct
Mueller & Son Co., 361 Canal
OCONTO—Oconto Co.
SUPERIOR—Superior Box Co.
WASHBURN—Kenfield, Lamoreaux Co.
WATERLOO—Neupert & Budwig
WAUKESHA—Waukesha Mfg. Co.
WAUSAU—Goodwillie Bros.
Wausau Box & Lumber Co.
Wisconsin Box Co.

10452— Packing (Condenser)

Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book
Darcoid Company, 1780 B'way, New York
See adv index at end of book
Goetze Gasket & Packing Co., 3 Allen av, New Brunswick, N. J.
See adv index at end of book
Goodall Rubber Co., 11th & Arch, Phila., Pa.
Quaker City Rubber Co. ("Liberty Bell," "Dragon," "Uncle Sam," "Valley Forge," Flax), 3927 Comly st, Philadelphia, Pa.
See adv index at end of book
Wheeler Condenser & Engineering Co. ("Wheeler" Improvement), West Carteret, N. J.

10452a—Packing (Cotton Compress)

Michigan Leather Packing Co., Inc., 618-620 St. Antoine, Detroit, Mich.

10452b—Packing (Cotton Oil Mill)

Michigan Leather Packing Co., Inc., 618-620 St. Antoine, Detroit, Mich.

10452c—Packing Flange Joints

Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book
Crandall Packing Co., Dept. H, Maple & Canal, Palmyra, N. Y.
DARCOID COMPANY ("Darcoid," "Petrolite"), 1780 B'way, New York
See adv index at end of book
General Asbestos & Rubber Co., Charleston, S. C.
GOETZE GASKET & PACKING CO., 3 Allen av, New Brunswick, N. J.
See adv index at end of book
Janos Asbestos Co., 26 Cortlandt, New York
Jenkins Bros., 80 White, New York
See adv index at end of book
Montgomery Bros., 45 S 2nd, Phila., Pa.
WILLIAMS & WELLS CO., 253 Fulton, New York. *See adv index at end of book*

10453— Packing (Flax)

Am. Steam Packing Co., 516 Atlantic av, Boston, Mass.
Anchor Packing Co. ("Ankorite"), Lafayette bldg, Phila., Pa.
Barbour Flax Spinning Co., Paterson, N. J.
Chesterton A. W. Co. ("Egyptian," "Chesterton," "Boston," "Sterling," "Hydraulic"), 64 India, Boston, Mass.
Cincinnati Rubber Mfg. Co. (Square "Scioto"), Norwood, Cincinnati, O.
See adv index at end of book
Combination Rubber Mfg. Co. (Standard Square), Bloomfield, N. J.
Crandall Packing Co., Palmyra, N. Y.
Dealers Steam Packing Co., Palmyra, N. Y.
Dominion Asbestos & Rubber Corp., 1780 B'way, New York
See adv index at end of book
General Asbestos & Rubber Co. ("Gilt Edge," "Chicora," "Commercial," "Garco Waterproof," Charleston, S. C.
Goetze Gasket & Packing Co., 3 Allen av, New Brunswick, N. J.
See adv index at end of book
Goodall Rubber Co., 11th & Arch, Phila., Pa.
Greene Tweed & Co., 109H Duane, New York
Hollow Center Packing Co., 1968 E 66th st, Cleveland, Ohio
Home Rubber Co., Trenton, N. J.
Jackson Thos. & Son Co., Reading, Pa.
Janos Asbestos Co., 26 Cortlandt, New York
Johnson H. Co. (Beaver," "Merino"), ft. of Gates av, Jersey City, N. J.
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
Mikesell Bros. Co., Wabash, Ind.
See adv index at end of book
Montgomery Bros., 45 S 2nd, Phila., Pa.
National India Rubber Co., Bristol, **R. I.**
Plant Rubber & Asbestos Works, 537H Brannan, San Francisco, Cal.
Quaker City Rubber Co. ("Dragon," "Uncle Sam," "Valley Forge," "Liberty Bell"), 3927 Comly st, Philadelphia, Pa.
See adv index at end of book
Rauschenberger John Co., 87 W Water, Milwaukee, Wis.
Robinson & Jans, Winthrop, Minn.
Smith E. M. Co. ("Emsco"), 612-40 S Clarence, Los Angeles, Cal.
Smyth Rubber & Packing Co., 512 Mercer, Jersey City, N. J.
Strong Machinery & Supply Co., 292-294 Church, New York
See adv index at end of book
U. S. Rubber Co., ("Huron," "U. S. Peerless," "U. S. Royal"), 1790 B'way, New York *See adv index at end of book*

"U. S." Peerless Flax Packing
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

Western Packing & Supply Co., 231 N Wells, Chicago, Ill.
See adv index at end of book
Wing J. T. & Co., 19 Woodward av, Detroit, Mich.
Woven Steel Hose & Rubber Co., Trenton, N. J.

10454—Packing (Flexible Fibre)

Austin, Mason & Co., 15 Park Row, New York
Barwood L. J. Mfg. Co. ("Barwood"), Stoneham 80, Boston, Mass.
See adv index at end of book
Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book
Darcoid Company ("Darcoid," "Flangetite," "Grafite"), 1780 B'way, New York *See adv index at end of book*
Diamond State Fibre Co., Dept. 37, Bridgeport, Pa.
See adv index at end of book
Fibre Finishing Co. ("Vellumoid"), Tremont bldg, Boston, Mass.
Field R. B. & Co. ("Fieldco"), Worcester, Mass.
Gasket Supply Co. ("Right" Vello for Oils, Chemicals & Water), 1927 Ludlow, Phila., Pa.
See adv index at end of book
General Asbestos & Rubber Co., Charleston, S. C.
Goetze Gasket & Packing Co., New Brunswick, N. J.
See adv index at end of book
Goodall Rubber Co., 11th & Arch, Phila., Pa.
Greene Tweed & Co., 109H Duane, New York
Keystone Gasket Mfg. Co., 829 N 4th st, Philadelphia, Pa.
See adv index at end of book
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
Pacific Felt Cutting & Sewing Co., 26 Clementina, San Francisco, Calif.
Spaulding Fibre Company, Inc. (For Oils, Chemicals & Water), Tonawanda, N. Y.
See adv index at end of book
United States Asbestos Co. of Ill. ("Duroil," "Duraco"), 619-629 Washington blvd, Chicago, Ill.
U. S. Rubber Co., 1790 B'way, New York
See adv index at end of book

"U. S."
VANDA PACKING
COMPRESSED
FIBRE SHEET
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

Western Packing & Supply Co., 231 N Wells, Chicago, Ill.
See adv index at end of book

10454a—Packing (Gum Core)

Belmont Packing & Rubber Co., 133 N 2nd, Phila., Pa.
Quaker City Rubber Co. ("Egyptian," "Neptune," "Trojan"), 3927 Comly st, Phila. Pa. *See adv index at end of book*

Packing (Hard Fibre)

See Fibre, Hard

10455— Packing (Hemp)

Am. Steam Packing Co., 516 Atlantic av, Boston, Mass.
Barbour Flax Spinning Co., Paterson, N. J.
Chelsea Fibre Mills, 295 5th av, New York
Crandall Packing Co., Dept H, Maple & Canal, Palmyra, N. Y.
Darcoid Company, 1780 B'way, New York
See adv index at end of book
Dealers Steam Packing Co., Palmyra, N. Y.
Fitler Edwin H. Co., 517 Arch, Phila., Pa.
General Asbestos & Rubber Co., Charleston, S. C.
Goodall Rubber Co., 11th & Arch, Phila., Pa.
Greene Tweed & Co., 109H Duane, New York
Hoover & Allison Co., Xenia, O.
Jackson Thos. & Son Co., Reading Pa
Montgomery Bros., 45 S 2nd, Phila., Pa.
Peter & Guckenberger (American & Italian), 1205 Budd, Cincinnati, O.
Western Packing & Supply Co., 233 N Wells st, Chicago, Ill.
See adv index at end of book

10455a—Packing (High Pressure)

Am. Steam Packing Co., 516 Atlantic av, Boston, Mass.
Asbestos Materials Corp., Millington, N. J.
CHICAGO BELTING CO., 110 N Green st, Chicago, Ill.
See adv index at end of book
Dominion Asbestos & Rubber Corp., 154 Nassau, New York
See adv index at end of book
Durabla Mfg. Co. ("Durabla"), 114 Liberty, New York
General Asbestos & Rubber Co., Charleston, S. C.
GOETZE GASKET & PACKING CO., 3 Allen av, New Brunswick, N. J.
See adv index at end of book
Goodall Rubber Co., 11th & Arch, Phila., Pa.
Gould Packing Co. ("Hi Tite" Valve), Cambridge, Mass.
Greene Tweed & Co. 109H Duane, New York
Hewitt Rubber Co., 246H Kensington av, Buffalo, N. Y.
Jenkins Bros., 80 White, New York
See adv index at end of book
Mikesell Bros. Co., Wabash, Ind.
See adv index at end of book
Montgomery Bros., 45 S 2nd, Phila., Pa.
Pacific Mill & Mine Supply Co. ("Valqua"), 616 Mission, San Francisco, Cal.
Plant Rubber & Asbestos Works ("Fibestite," "Masco"), 537 Brannan, San Francisco, Cal.
Quaker City Rubber Co. ("P. P. P."), 3927 Comly st, Philadelphia, Pa.
See adv index at end of book
Smyth Rubber & Packing Co., 512 Mercer, Jersey City, N. J.
UNION ASBESTOS & RUBBER CO., 351 E Ohio st, Chicago, Ill.
See adv index at end of book
U. S. RUBBER CO. ("U. S. Rainbesto"), 1790 B'way, New York
See adv index at end of book
Walker James & Co., Ltd., 46 West, New York
Western Packing & Supply Co., 233 N Wells, Chicago, Ill.
See adv index at end of book
WILLIAMS & WELLS CO., 253 Fulton, New York. *See adv index at end of book*

10456— Packing (Hoof)

Atkins & Durbrow, 157 Water, New York
Hollingshead R. M. Co., 112 N 9th, Camden, N. J.

10457—Packing (Hydraulic)

Am. Steam Packing Co., 516 Atlantic av, Boston, Mass.
Anchor Packing Co. ("Ankorite" Waterproof, Flexible, Rubber Cushion, Metal Faced, etc), Lafayette bldg, Phila., Pa.
Asbestos Materials Corp., Millington, N.J.
Austin, Mason & Co., 15 Park Row, New York
Barwood L. J. Mfg. Co. ("Barwood" Leather), Stoneham 80, Boston, Mass.
See adv index at end of book
Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book
Boston Belting Corp., 84 Linden Park, Boston, Mass.
Chesterton A. W. Co. ("Chesterton Hydraulic Flax"), 64 India, Boston, Mass.
CHICAGO BELTING CO., 110 N Green st, Chicago, Ill.
See adv index at end of book
CHICAGO RAWHIDE MFG. CO., THE (Rawhide), 1307 Elston av, Chicago, Ill.
See adv index at end of book
CINCINNATI RUBBER MFG. CO. ("Puritan"), Norwood, Cincinnati, O.
See adv index at end of book
Combination Rubber Mfg. Co. (Hard & Semi-Hard Rings), Bloomfield, N. J.
Consolidated Belting Co., Germantown & Berkly, Philadelphia, Pa.
Crandall Packing Co., Dept H, Maple & Canal, Palmyra, N. Y.
Darcoid Company, 1780 B'way, New York
See adv index at end of book
Dealers Steam Packing Co., Palmyra, N. Y.
Detroit Leather Specialty Co. ("Wear Well" Leather), 275 Beecher av, Detroit, Mich.
Elmes Chas. F. Engineering Works, cor Fulton & Sangamon, Chicago, Ill.
See adv index at end of book

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We have been building hydraulic machinery for over 75 years and found early in our experience that a perfect packing could not be bought. We, therefore, experimented with various materials and designs in order to produce a satisfactory packing. These experiments have led to PAX-TITE packings, which we present to the trade with the assurance backed by our long business success that these packings are the best that perfect material plus careful workmanship has yet produced.

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Write for Bulletin A-1

W-S HYDRAULIC

THE WATSON-STILLMAN CO.
38 CHURCH STREET, NEW YORK
Chicago: McCormick Bldg. 440

Gasket Supply Co., 1927 Ludlow, Phila., Pa. *See adv index at end of book*
General Asbestos & Rubber Co. ("Garco," "Chicora," "Gilt Edge," "Garco Waterproof," "Commercial"), Charleston, S. C.
General Asbestos & Rubber Co., Charleston, S. C.
Goetze Gasket & Packing Co. ("Goetze"), 3 Allen av, New Brunswick, N. J. *See adv index at end of book*
Goodall Rubber Co., 11th & Arch, Phila., Pa.
Goodrich B. F. Co., Akron, O.
Greene Tweed & Co., 109H Duane, New York
Gutta Percha & Rubber Mfg. Co., 350 Madison av, New York
Hewitt Rubber Co. ("Pearl," "Magnus," "White Seal"), Buffalo, N. Y.
Hollow Center Packing Co., 1968 E 66th st, Cleveland, Ohio
Home Rubber Co., Trenton, N. J.
Houghton E. F. Co. ("Vim"), 240H W Somerset, Phila., Pa.
Imperial Packing Corp., 73 W B'way, New York
Johnson H. Co. ("Sable," "Johnson's," "Clay"), ft Gates av, **Jersey City,** N. J.
Kendrick Valve & Washer Co., Syracuse, N. Y.
Keystone Gasket Mfg. Co., 829 N 4th st, Philadelphia, Pa.
See adv index at end of book
McQuay-Norris Mfg. Co. ("Leakproof" Piston Head), Cooper & Southwest avs, St. Louis, Mo.
MABBS HYDRAULIC PACKING ("Mabbs"), 421 Manhattan bldg, Chicago, Ill.
MARTELL PACKINGS CO., THE (Metal), Elyria, O. *See adv index at end of book*
Michigan Leather Packing Co. (Jacks, Presses, etc.), 618-620 St. Antoine, Detroit, Mich.
See adv index at end of book
National Leather Mfg. Co. (Rawhide Leather), Niles, Mich.
New York Belting & Packing Co. ("Amazon" Waterproof), 91 Chambers, New York
Plant Rubber & Asbestos Works, 537H Brannan, San Frncisco, Cal.
Quaker City Rubber Co. ("Crown," "Hercules," "Quaker City," "Donkey"), 3927 Comly st, Philadelphia, Pa.
See adv index at end of book
Rauschenberger John Co., 87 W Water, Milwaukee, Wis.
Smyth Rubber & Packing Co., 512 Mercer, Jersey City, N. J.
Steel Mill Packing Co., 240 W. Jefferson, Detroit, Mich.
Strong Machinery & Supply Co. ("Aquaproof"), 292-294 Church, New York
See adv index at end of book
U. S. RUBBER CO. ("U. S. Honest John," "Revere"), 1790 B'way, New York
See adv index at end of book
Walker Chas. W. Sons & Co. (Leather), 274 Market, Newark, N. J.
WATSON-STILLMAN CO., 38 Church, New York *See adv index at end of book*
Western Packing & Supply Co., 233 N Wells, Chicago, Ill.
See adv index at end of book
Western Rawhide & Belting Co. (Rawhide), 600 So. Pierce, Milwaukee, Wis.
Whitehead Bros. Rubber Co., Trenton, N. J.
Williams & Wells Co., 253 Fulton, New York. *See adv index at end of book*
Woven Steel Hose & Rubber Co., Trenton, N. J.

10458—Packing (Hydraulic Metal)

Crandall Packing Co., Dept H, Maple & Canal, Palmyra, N. Y.
Goetze Gasket & Packing Co., 3 Allen av, New Brunswick, N. J.
See adv index at end of book
McQuay-Norris Mfg. Co. ("Leakproof" Piston Head), Cooper & Southwest avs, St. Louis, Mo.
MARTELL PACKINGS CO., Elyria, Ohio
See adv index at end of book
NIAGARA FALLS (ONT.) GASKET & PACKING CO., 831 E 15th, Bklyn, N. Y.
Plant Rubber & Asbestos Works, 537H Brannan, San Francisco, Cal.

10459—Packing (Journal Box)

Am. Steam Packing Co., 516 Atlantic av, Boston, Mass.
Austin, Mason & Co., 15 Park Row, New York
Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book
BRAWLEY T. R. ("Felt"), 270 20th, Brooklyn, N. Y.
See adv index at end of book
Continental Felt Co. (Felt), 64-66 E 11th, New York *See adv index at end of book*
Goodall Rubber Co., 11th & Arch, Phila., Pa.
Monarch Felt Works (Felt), 39-45H York, Brooklyn, N. Y.
Montgomery Bros., 45 S 2nd, Phila., Pa.
Plant Rubber & Asbestos Works, 537H Brannan, San Francisco, Cal.
Smyth Rubber & Packing Co., 512 Mercer, Jersey City, N. J.
Wyoming Yarn Co. ("Wypap," Woolen Yarn), **Wyoming, R. I.**

10460— Packing (Jute)

Allentown Spinning Co., 361 Gordon, Allentown, Pa.
American Mfg. Co., Noble & West, Brooklyn, N. Y.
Am. Steam Packing Co., 516 Atlantic av, Boston, Mass.
Barbour Flax Spinning Co., Paterson, N. J.
Chelsea Fibre Mills, 295 5th av, New York
Darcoid Company, 1780 B'way, New York
See adv index at end of book
Dealers Steam Packing Co., Palmyra, N. Y.
General Asbestos & Rubber Co., Charleston, S. C.
Goodall Rubber Co., 11th & Arch, Phila., Pa.
Hollow Center Packing Co., 1968 E 66th st, Cleveland, Ohio
Hooven & Allison Co., Xenia, O.
Jackson Thos. & Son Co., Reading, Pa
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
Montgomery Bros., 45 S 2nd, Phila., Pa.
Peter & Guckenberger, 1205 Budd, Cincinnati, O.
Rauschenberger John Co., 87 W Water, Milwaukee, Wis.
Schlichter Jute Cordage Co., 20 N Front, Phila., Pa.
Smyth Rubber & Packing Co., 512 Mercer, Jersey City, N. J.
Stratford Geo. Oakum Co., Cornelison av, Jersey City, N. J.
Strong Machinery & Supply Co. (Round Twist Jute), 292-294 Church, New York *See adv index at end of book*
Western Packing & Supply Co., 233 N Wells, Chicago, Ill.
See adv index at end of book
Winne F. W. & Son (Tarred & Untarred), 237 Market, Phila., Pa.

10461— Packing (Leather)

Auburn Leather Goods Co., Auburn, N. Y.
BARWOOD L. J. MFG. CO. ("Barwood"), Stoneham 80, Boston, Mass.
See adv index at end of book

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Moulded Leather Packings Our Specialty.
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Stoneham 80, BOSTON, MASS.

BARWOOD V. H. MFG. CO., Lynn, Mass.
CHICAGO BELTING CO., 110 N Green st, Chicago, Ill.
See adv index at end of book



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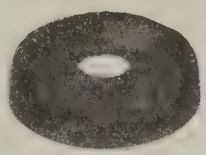
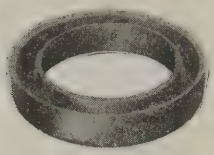
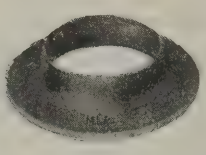
Chicago Belting Company
110 N. GREEN STREET, CHICAGO

Chicago Rawhide Mfg. Co., The, 1307 Elston av, Chicago, Ill.
See adv index at end of book

THE CHICAGO RAWHIDE MFG. CO.
1307 ELSTON AVE., CHICAGO, ILL.
Vulcanite Krome—Krome Oak Hydraulic-Pneumatic Rawhide—Oak Tanned

Darcoid Company, 1780 B'way, New York
See adv index at end of book
Detroit Leather Specialty Co. ("Wear Well," Hydraulic Leather), 275 Beecher av, Detroit, Mich.
Dragon Mfg. Co., Marietta, Ohio
Field R. B. & Co. ("Fieldco"), Worcester, Mass.
Goetze Gasket & Packing Co., New Brunswick, N. J.
See adv index at end of book
Graton & Knight Mfg. Co. (Worsted Mfrs.), 244 Franklin, Worcester, Mass.
See adv index at end of book
Houghton E. F. & Co. (Hydraulic "Vim"), 240 W Somerset, Phila., Pa.
Judd & Leland Mfg. Co., Clifton Springs, N. Y.
Kendrick Valve & Washer Co., Syracuse, N. Y.
Mabbs Hydraulic Packing Co. ("Mabbs"), 421 Manhattan bldg., Chicago, Ill.
MARSH CHAS. W. CO., Muskegon, Mich.
(Continued on following page)

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Packing (Leather)—Continued

MICHIGAN LEATHER PACKING CO. ("M. L. P."), 618-620 St. Antoine, Detroit, Mich.
See adv index at end of book

National Leather Mfg. Co. (Rawhide), Niles, Mich.

Niagara Falls (Ont.) Gasket & Packing Co., 831 E 15th, Brooklyn, N. Y.

Robertson Jno. & Co. (Hydraulic), 133 Water, Brooklyn, N. Y.

Southwark Foundry & Machine Co. (Hydraulic), 1128 S. 4th, Phila., Pa.
See adv index at end of book

Strong Machinery & Supply Co. ("Strong's"), 292-294 Church, New York
See adv index at end of book

WATSON-STILLMAN CO., 38 Church, New York *See adv index at end of book*

WESTERN PACKING & SUPPLY CO. ("W. P. S."), 231 N Wells, Chicago, Ill.
See adv index at end of book

10462—Packing (Locomotive Rod)

Asbestos Materials Corp., Millington, N. J.

Austin, Mason & Co., 15 Park Row, New York

Colossus Co., Inc., Shreveport, La.

Crandall Packing Co., Dept H, Maple & Canal, Palmyra, N. Y.

General Asbestos & Rubber Co., Charleston, S. C.

Goetze Gasket & Packing Co., New Brunswick, N. J.
See adv index at end of book

Goodall Rubber Co., 11th & Arch, Phila., Pa.

Greene Tweed & Co., 109H Duane, New York

Martell Packings Co., The, Elyria, O.
See adv index at end of book

MARTELL METALLIC PACKINGS
for Superheated Steam on Stationary, Marine or Locomotive Engines
THE MARTELL PACKINGS CO.
ELYRIA, OHIO

Montgomery Bros., 45 S 2nd, Phila., Pa.

Q. & C. Co., 90 West, New York

U. S. Rubber Co. ("U. S. Locomotive"), 1790 B'way, New York
See adv index at end of book

"U.S." Locomotive PACKINGS
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

10463— Packing Mfrs.

See also Belting & Belt Appliances; also Mill & Factory Supplies; also Mineral Wool; also Pipe & Boiler Coverings, various kinds; also Waste, Cotton & Wool Mfrs.

CALIFORNIA.

SAN FRANCISCO—Garratt-Callahan Co. ("Swart's"), 146 Spear
Kneadable Metallic Packing Co. ("U-Knead-It"), 780 Bryant
Pacific Coast Rubber Co., 316 Mission
Pioneer Rubber Mills ("Victor," "Sunset," "Bay City," "Red Diablo," "Native," "Guardian," "Victor." "Golden Gate," & "Skookum" Diagonal Cross Expansion Piston Rod), 68 Sacramento
Plant Rubber & Asbestos Works, 537H Brannan

CONNECTICUT.

HARTFORD—Johns-Pratt Co., The ("Vulcabeston," Round or Flat, for Steam, Water, Gas & Acids, "Vulcabeston," Asbestos Rope, "Vulcabeston Red Fibre" Asbestos, Air, Hot Water, Steam, Ammonia, Acid & Alkali)

DELAWARE.

WILMINGTON—**DELAWARE HARD FIBRE CO.** (Vulcanized Fibre). Works: Marshallton, Del.
See adv index at end of book
Wilmington Fibre Specialty Co.

GEORGIA.

ATLANTA—Dixie Packing Co.

ILLINOIS.

AURORA—Aurora Metal Co. (Metallic)

CHICAGO—Adkins, Young & Allan Co. ("A. Y. A."), 109 N Canal
Advance Packing & Supply Co. ("Flax" "Bestallic," "Adpasco," "Perfection," "Tenax"), 808 W Washington
ALLEN W. D. MFG. CO. ("Arrow," "Allenco," "Columbia," Emergency"), 201-211 W Jefferson
See adv index at end of book
Atlantic India Rubber Works, 1453 W Van Buren
Beltine Chemical & Mfg. Co., 6155 Wentworth av
Cassco Bar Metallic Packing Co. (Metallic), 3559 Lincoln av
Central Asbestos & Magnesia Co., 214 W Grand av
CHICAGO BELTING CO., 110 N Green st
See adv index at end of book
Chicago Engineer Supply Co. ("Salamander," "Boylston," "Graphobesto," "Casco"), 68 W Lake
CHICAGO RAWHIDE MFG. CO., THE, 1307 Elston av
See adv index at end of book
Continental Rubber Works (Of Erie, Pa.) ("Continental," "Tribune," "Liberty"), 180 N Market
CRANE CO. ("Granite" "CC"), 836 Michigan av
See adv index at end of book
Crane Packing Co. ("John Crane Flexible Metallic), 1800 Cuyler
High Speed Metallic Packing Co. (Metallic), 1218 W Grand av
Jerome-Edwards Metallic Packing Co. ("Jerome" Metallic Valve Steam Piston Rod), 30 N May
Mabbs Hydraulic Packing Co. ("Mabbs"), 421 Manhattan bldg
New York Asbestos Co., 203 Front, New York
Salisbury W. H. & Co. (Sheet), 308 N. Madison, Dept H
Swain Lubricator Co. (Metallic), 443 W. 37th
UNION ASBESTOS & RUBBER CO. ("Unarco" Rubber), 351 E Ohio st
See adv index at end of book
United States Asbestos Co. of Ill., 619-629 Washington blvd.
WESTERN PACKING & SUPPLY CO. ("W. P. S." & "Casco" Metallic), 233 N Wells
See adv index at end of book
Wilcox, E. A. Mfg. Co., 6630H Stony Island av.
Williams-Bowman Rubber Co., 1947 S 54th av

MAYWOOD—Goodsell Packing Co. ("Metalpac" Metallic)

INDIANA.

ANDERSON—Anderson Rubber Works (Rubber)

GOSHEN—Western Rubber Co. (Rubber Sheet)

HUNTINGTON—Schacht Rubber Mfg. Co. (Rubber)

INDIANAPOLIS—Pioneer Brass Works ("Deeds" Metallic)

NEW ALBANY—Bowman D. F. Co. (Railroad)

VALPARAISO—Fibroc Insulation Co. ("Fibroc")
See adv index at end of book

WABASH—Mikesell Bros. Co.
See adv index at end of book

KENTUCKY.

LEXINGTON—American Metallic Packing Co. (Metallic)

LOUISVILLE—Cook Lee C. Mfg. Co. ("Cook's" Piston Rod, etc)

MARYLAND.

TEXAS—Maryland Belting & Packing Co.

MASSACHUSETTS.

BOSTON—American Steam Packing Co. ("Diamond," "Smoky City" & "Favorite," "20th Century"), 516 Atlantic av
Anderson G. P. & Co. (Engine & Pump), 207 Congress.
Barwood L. J. Mfg. Co. ("Barwood" Leather Felt, Asbestos Cork & Paper), Stoneham 80
See adv index at end of book
Boston Belting Corp., Packing Mfrs. (Piston & Valve Rod, "Diagon," "Ammonia," "Noxall" "Forsyth Hollow Square," "Imperial" Round, "Red Core," "Excelsior," "Roxboro," "Pheonix," "Regular" Square Pump," "Rubber Back," 80 Elmwood
Chester Co., A. W., 64 India ("Metalbestas," "Lubrobestos," "Vaporite," "Rubberbestos," Redbestos," "Metal Asbestos," "Sunset," "Pressure proof," "Sectional," "Expansion," "Atlantic," "Combination," "High Pressure," "Line Steam," "Carson," "Perfection," "Russo," "Fiberite," "Metallo," "Monarch," "Bestallic," "Sterling," "India," "Square," "Hydraulic")
Curry Bros. Oil Co. ("Superba," "Mica Para," "Mica Asbestos"), 253 Franklin
Eagle Oil & Supply Co. ("Eagleine," Ring Square Flax, Hydraulic, etc), 104 Broad
Federal Metallic Packing Co. (Flexible Metallic Fibred Compound for Ammonia, Air, Steam, Truck Boxes, etc), 48 Hanover
Hart Packing Co. ("Hart" & "Demon" Sheet), 144 High
Ireson C. L. ("Blue Blood"), 221 High
Knowlton Geo. W. Rubber Co. ("Brassite," "G. W. K.," "Hub," "Knowlton," "Manila," "Fraser"), 60 Pearl
Lockwood Mfg. Co. ("Monteagle" Piston Packing), 44 N Market
Merrill Wm. B. & Co. ("Tripp" Metallic), Jamaica Plain
Trainer C. W. Mfg. Co. (Asbestos Metallic), 55 High

CAMBRIDGE—Boston Woven Hose & Rubber Co. (Rubber "Bull Dog," "Tiger," "Red Sheet")
Boston Woven Hose & Rubber Co.
Gould Packing Co. (Ring, etc.)

CHELSEA—Revere Rubber Co. ("Usudurian," "Red Crescent," "Black Hawk," "Samson." "Shawmut." "Beacon," "Giant," "Revere," "Black Cross," "Four Ace," "Harlem," "Hi-Heat," "Paramo" & "1100")

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Asbestos Goods—
Asbestos Gaskets—
Asbestos Brake Lining—
Ash Cans—
Asbestos Wicking—
Asbestos Piston Packing—
Automobile Polish—
Babbitt Metal—

Auto Lubricant—E-z-ee Slip—
Balata Belt—
Belt Couplings—Chase—
Belting—Leather—
Belting—Cotton—
Rattan, Mixed Brooms—
Canvas Hydraulic Packing—
Coal Scoops—Tisafine—
Diaphragms—Rubber—

Screw Drivers—Electric—
Waste Presses—Economy—
Metallic Ring Packing—
Flax Packing—
Packing Stocks—
Packing Hooks—
Scraping Tools—
Engineer's Caulking Chisels—
Filters—Strong's Improved—

Pump Valves—Strong's I. O. P.—
Hard Fibre Rings—Sheet, etc.—
Oil Packing—Strong's I. O. P.—
Steam Packing—Tisafine—
Flake Graphite—
Metal Hose—
Rubber Hose—
Valve Discs—
Wiper Towels—

When you think of packing, think of Strong of New York

STRONG MACHINERY & SUPPLY CO., 292-294 Church St., NEW YORK CITY

LYNN—Barwood V. H. Mfg. Co. ("Barco")
See adv index at end of book

V. H. Barwood Mfg. Co.
Manufacturers of
Leather Cardboard
Felt Fibre
Cork Paper
Asbestos Celluloid
BARCO
WASHERS GASKETS PACKINGS
117 Munroe Street, Lynn, Mass.

WORCESTER—Graton & Knight Mfg. Co.

MICHIGAN.

DETROIT—Detroit Leather Specialty Co. ("Wear Well" Hydraulic Leather), 275 Beecher av.
Detroit Leather Specialty Co. ("Wear Well" Hydraulic Leather), 275 Beecher av
Michigan Leather Packing Co. (Leather, "M. L. P."), 618-624 Antoine
See adv index at end of book
Steel Mill Packing Co. ("Safety" Plastic Metallic), 240 W. Jefferson
Wing J. T. & Co., 19 Woodward av
KALAMAZOO—New Era Mfg. Co. ("New Era" Compressible Self-Lubricating Metallic Engine Packing)
MUSKEGON—MARSH CHAS. W. CO. (Leather)
NILES—National Leather Mfg. Co. (Rawhide Leather, Self-Lubricating)

MINNESOTA.

ST. PAUL—Northern Metallic Packing Co. (Metallic), 253 E 8th
SOUTH STILLWATER—Ideal Metallic Packing Co. ("Ideal" Metallic)

MISSOURI.

KANSAS CITY—Kansas City Rubber & Belting Co., 710 Delaware
United States Rubber Co. (Rubber), Mechanical Goods Division, 1520 Main
ST. LOUIS—Hoyt Metal Co. (Metallic), Boatmans Bank bldg
McQuay-Norris Mfg. Co ("Leakproof"), Cooper & Southwest avs
Pilley Flue Brush Co. ("Pilley" Steam & Ammonia), 604 S 3rd

NEBRASKA.

OMAHA—Paxton-Mitchell Co. ("Mitchell," Metallic)

NEW HAMPSHIRE.

DOVER—Williams I. B. & Sons
NORTH ROCHESTER—Spaulding Fibre Company, Inc. (Fibre)
See adv index at end of book

NEW JERSEY.

BAYONNE—Hudson Packing Co. (Sheet), 67H E. 21st
BLOOMFIELD — Combination Rubber Mfg. Co. ("Dr. Braun's," "Bloomfield," "Indestructene," "Thermopok," also Cloth or Wire Insertion, Sheet, Ring, Round, Square, etc)
BOONTON—Boonton Rubber Co. (Hard Rubber & Asbestos Ring, etc)
CAMDEN—Wearwell Gasket & Packing Co. (Asbestos Sheet & Piston)
COLLINGSWOOD — Allen Packing Co. ("Monitor," "Bitous")
HAMILTON SQUARE—Mercer Rubber Co. ("Redbreast," Rubber, Plumbago, Oil Proof, Asbestos, etc)
HAWTHORNE—La Favorite Rubber Mfg. Co. ("Perry," "American," "Golden Rod," "White Deer")
JERSEY CITY—Johnson, Henry, Co. ("Phoenix," Ring Spiral, Hydraulic, Sheet, Square Flax, etc.), ft. Gates av
N. J. Car Spring & Rubber Co., 91 Brunswick
Smyth Rubber & Packing Co. (Fluke Mica), 512 Mercer
Voorhees Rubber Mfg. Co. ("Nubian," Sheet, "Long Life," "Red Sheets," "Grapho-Bestos," Cloth or wire Insertion Sheet, Spiral, Square Flax, Gum Core, Dry Dock, "Federal," "Union," "Corona," "Power," 18 Bostwick av
NEWARK—Ideal Automatic Governor Co. (metallic), 164 Emmet
NEW BRUNSWICK — Goetze Gasket & Packing Co. (All Kinds for All Purposes, "Goetze," "Goetzerit," "Brunswick," "Rex," "Devo," "No. 2 Elastic," "Stempak" & "Triumph"), 3 Allen av.
See adv index at end of book
PASSAIC—Manhattan Rubber Mfg. Co. ("White Enamel," "Kertlandt," "Magnet," "Mohican," "Viking," "Fulca," "Torpedo," "Headlight," "Golden Fleece," "Walrus," "Raven," "Delhi," "Carlissi," "Parenite," "Parenito," Sheet Rubber)
TRENTON—Acme Rubber Mfg. Co. ("Favorite," "Equality," "Durable," "Guarantee," "Acme," "Buffalo,"
Empire Tire & Rubber Corp. (Rubber, all kinds; "Alabama," "Amazon," "Monitor," "Merrimac," "Paragon," "Empire's Best," "Model," "Sterling," "Eagle," "Diamond," "Vulcan," "Reliance" and "Hercules")
Essex Rubber Co. (Rubber)
Hamilton Rubber Mfg. Co. (Rubber)
Home Rubber Co. ("O. I. M.", "Red Rose" & "N. B. O." Rubber)
United & Globe Rubber Co. (Rubber)
Whitehead Bros. Rubber Co. ("C. L.," "C. B. S." Rubber, Red Sheet)
Woven Steel & Rubber Co. ("Defender" Rubber, Asbestos, Flax, Hydraulic, Sheet, Diagonal Valve, etc.)
WESTFIELD—Vulcan Asbestos Mfg. Co. ("Vulcan" H. P. Piston Rod, etc.)
W North av

NEW YORK.

AUBURN—Keystone Leather Packing Co. (Leather), 38-40 Market
BUFFALO—Hewitt Rubber Co. ("Elmwood," "Glenwood" & "Hollywood" Rubber & Sheet)
Lake Erie Mfg. Co. ("Ideal" Pump Valves & Plunger)
CLIFTON SPRINGS—Judd & Leland Mfg. Co. (Leather)

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—American Mfg. Co. (Jute), Noble & West
Booth Felt Co., Inc., 473 19th
Brawley T. R. (Felt), 270 20th, Brooklyn, N. Y.
See adv index at end of book
Clinton Mfg. Co., 83 Grand av
Monarch Felt Works (Felt), 39-45H York
Niagara Falls (Ont.), Gasket & Packing Co., 831 E 15th

Boroughs of Manhattan and Bronx.

NEW YORK—American Huhn Metallic Packing Co. (Metallic), 1391 Sedgwick av
Austin, Mason & Co., 15 Park row, New York
Brandt Randolph ("Selden," Square Flap, "Enterprise," "Zena," "Magneto"), 70 Cortlandt
Channel Packing & Rubber Co. ("Seal Tite," "Wedgeset," "Squeegee"), 366H W. Broadway
Colgan Mfg. & Supply Co. ("Colgan," High Pressure & Sheet), 118 Maiden lane
Consolidated Packing & Supply Co. (Ammonia, Sheet, Steam & Water), 21 Barclay
Continental Felt Co., 64-66 E 11th, New York
See adv index at end of book
Cooley Mfg. Co. ("Omega"), 366 W Broadway
Darcoid Company ("Darcoid," "Rodtite," "Old Dominion," "Sovereign," "Regent," "Flangetite," "Squadron," "Grafite," "Metal," "Prince," "Fiberite," "Petrolite"), 1780 B'way
See adv index at end of book
Dominion Asbestos & Rubber Corp. ("Darcoid," "Rodtite," "Grafite," "Metal Prince," "Kid Skin," "Petrolite") 1780 Broadway
See adv index at end of book
Durabla Mfg. Co. ("Durabla," Sheet), 114 Liberty
Edgecumbe J. C. & Co. ("Edgecumbe" Elastic Metal), 149 B'way
Eureka Packing Co. ("Eureka," Rod, etc), 78 Murray
Excelsior Valve Co. (Water), 108 Fulton
Goodyear Rubber Co. & Rubber Clothing Co. ("Pioneer," "Red Wing," "Black Wing," "Everlast Asbestos" & "Gold Seal"), 787 B'way
Greene, Tweed & Co. ("Crescent," "Manhattan," "Palmetto," "Royal" & "Union"), 109 Duane
Gutta Percha & Rubber Mfg. Co. ("Triple Sheet" Pure Gum, Round, Square & Sheet, "Pyramid Blue Stone" & "Red Jacket" High Pressure & Wire Insertion), 350 Madison av
Imperial Packing Corp., 73 W B'way
Janos Asbestos Co. (Asbestos, Engines, Flex, High Pressure, Piston Steam, Superheat Sheet), 26 Cortland
Jenkins Bros. ("Jenkins 96," "Jenarco"), 80 White
See adv index at end of book
Johns-Manville, Inc. ("Vulcabeston," "Kearsarge," "Service," "Sea Ring," "Mogul," "Mobilene," "Hydro," "Liberty" Air Brake Ring, Metallic), Madison av. & 41st
Katzenstein Leopold & Co. (Metallic & Flexible Tubular Metallic), 358 West
Koebig, P. W. Estate of, 116 Broad
Magnolia Metal Co., 113 Bank
See adv index at end of book
Maguire Rubber Co., 200 5th av
New Jersey Asbestos Co. (Asbestos Ring, Spiral & Sheet), 1 Water
New York Asbestos Co., 394 Canal
NEW YORK BELTING & PACKING CO. (Pure Sheet, Cloth Insertion Sheet, "Ruby" Sheet, "Salamanda" Sheet, "Cobbs" Round, Square & Spiral Piston, "Vulcan," "Majic," "Double Diamond," "Tucks," "Karbonite," "Spider," "Firo," "Turxo" High Pressure, 91 Chambers
New York Insulated Wire Co. ("Lightning Non-Tubular"), 84 State, Boston, Mass.
Power Specialty Co. ("Duval" Metallic), 111 B'way
Standard Asbestos Co. (Asbestos & Metallic), 69 Beekman
STRONG MACHINERY & SUPPLY CO. (Steam, Ammonia, Hydraulic, Asbestos, etc., "Tisafine," "Dichtungssummi," "Grapho-Asbestos," "Cocheco," "Rivalite," "Wolverine," "Kingfisher-Hydraulic," "Crown" & "Bull Frog Rivalite," "Grapho-Rivalite," "Featherlite" Metallic, "Wearbest," "Silver Fox," "Avertex," "Pedal Hydraulic," 292-294 Church, New York *See adv index at end of book*

(Continued on following page)

Packing Mfrs.—Continued

NEW YORK—NEW YORK—Continued

U. S. Rubber Co. ("U. S. Eclipse," "Hyd-rex"), 1790 B'way
See adv index at end of book



"U. S."
PARAMO PACKING
OIL PROOF SHEET
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

Walker Jas. & Co., Ltd. ("Lion" Steam Metallic), 46 West
Williams & Wells Co., 253 Fulton
See adv index at end of book

(End of New York City)

PALMYRA—Crandall Packing Co. (All Kinds for All Purposes, "Hellos," "Helimoi," "Kymoi," "Lip," "Ethiopia" "Keeptite" "Hellos Stine" "Permabestos" "Safety" "Buckeye," "Climax" "Rex" "S.S.S." "W. P. H." "Southdown" "Motorite" "Blackthorne" "Regina"), Dept. H, Maple & Canal
Dealers Steam Packing Co. (Hemp & Flax
Garlock Packing Co. (All Kinds for All Purposes)
PORT CHESTER—Argus Asbestos Co., Inc., Dept. H
SYRACUSE—Kendrick Valve & Washer Co. (Leather)
TONAWANDA—Spaulding Fibre Company, Inc. (Fibre)
See adv index at end of book

OHIO.

AKRON—Akron Metallic Gasket Co. ("Fibrebestos" & "Valvetite" Metallic)
Goodrich B. F. Rubber Co. (Sheet, Piston & Valve Rod Packings in All Styles & Grades)
Goodyear Tire & Rubber Co., Inc., 1144 E Market
CINCINNATI—Cincinnati Rubber Mfg. Co. ("Old Crow" Piston & Rod, "Norwood" Cloth Inserted, "Norka" High Pressure Asbestos Spiral, "Scioto" Square Flax, "Sandow" Square Pure Gum, "Solace" Tubular Gaskets), Norwood
See adv index at end of book
Nuhring Chas. & Bro. ("I. X. L." Spiral, Square Ring, Piston & Sheet, etc.), 1212 Walnut
Peter & Guckenberger, 1205 Budd
CLEVELAND—Consumers' Rubber Co. ("Superior"), 1302 Ontario
Hollow Center Packing Co. ("Hopaco"), 1968 E 66th st
ELYRIA—Martell Packings Co., The ("Martell" Metallic Jar Superheated Steam)
See adv index at end of book

MARTELL
METALLIC PACKINGS
Approved by U. S. Naval Torpedo Station for 3500 lbs. Air Compressor Service.
THE MARTELL PACKINGS CO.
ELYRIA, OHIO

SPRINGFIELD—Victor Rubber Co. ("Viruco" Sheet, etc)
YOUNGSTOWN—Republic Rubber Corp., Dept. H

PENNSYLVANIA.

AMBLER—Keasbey & Mattison Co. (Cylinder & Steam Asbestos "Battle")
BRADDOCK—Jones Jno. C. Fremont
CHESTER—Harper Mfg. Co. ("Harper" Metallic)
ERIE—Continental Rubber Works ("Tribune," "Continental," "Liberty")
Watson H. F. Co. (Asbestos Braided, Piston Rod, Core Wicks, etc)
FRANKLIN—Franklin Mfg. Co. ("Perfection" Resilient Waste for Journal Box, Piston Rod, etc)
JEANNETTE—Pennsylvania Rubber Co. (White Sheet & Wire Insertion, Black Sheet; also Rubber Back Pure Sheet, Diaphragm, etc.)
LANCASTER—United States Asbestos Co. ("Usaco" Asbestos, "Asbestolith" Sheet & Metallic Sheet), 45 N Duke
NORRISTOWN—American Asbestos Co. (Asbestos Metallic Sheet, Asbestos Rod, Ring, Wick, Rope & Braided)
NORTH WALES—Asbestos Fibre Spinning Co. (Asbestos Rope, Wicks, Sheet, etc)
PHILADELPHIA—American Ice Co. (Ammonia Only), Center bldg
Anchor Packing Co. ("Ankorite," "Sedgley," "Allegheny," "Capstan," "Baldwin," "Brooks," "Hydrol"), 531 Market
Belmont Packing & Rubber Co. ("Belmont" Square Gum, Core, Air Pump, Throttle, Valve, etc.), 12th & Arch
Brown D. P. & Co. (Brown's Oil Proof Ring & Sheet, etc), 264 N 4th
Cancos Mfg. Co. ("Black Squadron" Metallic, "Rising Sun," "Globe," "White Squadron," "Pioneer"), Garden & Bridge
Fibre Rock Mfg. Co. (Asbestos), 4566 Silverwood
France Packing Co., Inc. ("France" Metallic Sheet & Bar), 6512 State rd
GASKET SUPPLY CO. ("Right" & "Gasco"), 1927 Ludlow
See adv index at end of book
Goodall Rubber Co., 11th & Arch
Houghton E. F. & Co. ("Vim," Leather), 240 W Somerset
Lehigh av & Mutter
Keystone Gasket Mfg. Co., 829 N 4th st,
See adv index at end of book
Montgomery Bros., 45 S 2d
Morris Metallic Packing Co. (Piston Rod & Valve Stem Packings),
Penna. Petroleum & Supply Co. ("Fibertan"), 113 Pine
Phila. Belting Co., 6th & Spring Garden
QUAKER CITY RUBBER CO. ("P. P. P.", "Ebonite," "Kaloric," "Valvolite," "Quaker City," "Crown," "Donkey," "Liberty Bell," "Shihi"), 3927 Comly st
See adv index at end of book
Ruwell Wm. F. (Cylinder), 719 Noble
Schlichter Jute Cordage Co. (Jute), 20 N Front
Skipton Valentie Co., 221 Arch
Underwood H. B. Corp. ("St. John" Self-Adjusting Cylinder Packing), 1025 Hamilton
U. S. Metallic Packing Co. ("King," Metallic Piston Rod & Valve Stem, etc), 221 N 13th
Walker Thos. & Sons (Metallic), 4619 Tacony, Fkd.
Walsh Packing Co. ("Black Jack," "W. D. M.," Metal Face, Steam & Water), 304 New
Watt's Jno. M. Sons ("Dirigo," "Nonpareil" & "Keystone"), 54 N 2d
Winne F. W. & Son (Tarred & Untarred Jute), 237 Market
PITTSBURGH—Chaplin-Futon Mfg. Co. ("Rogers"), 34 Penn av
Colonial Supply Co. ("Colonial," "Continental," "Yankee"), 217 Water
See adv index at end of book
Frick & Lindsay Co. (Dealers Only), Sandusky & Robinson, Pittsburgh, Pa. *See adv index at end of book*
Garratt L. W. (Mfrs. Agent), Union Arcade bldg
Pittsburgh Gage & Supply Co. ("Bestovall," "Fort Pitt" Sheet, "Fort Pitt" Spiral), 30th & Liberty av
VALLEY FORGE—Ehret Magnesia Mfg. Co.
WILKES-BARRE—Holmes Metallic Packing Co. (Metallic Piston Rod & Valve Stem)

RHODE ISLAND.

BRISTOL—National India Rubber Co. ("Bristol," "National," "Fidelity," "Narragansett," "Stanhope," "N. I. R." Rubber, etc.)
PROVIDENCE—MacWatty Belting Co., 7 Beverly
WYOMING—Wyoming Yarn Co. ("Wypap" Woolen Yarn for Journal Boxes)

SOUTH CAROLINA.

CHARLESTON—General Asbestos & Rubber Co. ("Chicaro" "Commercial" "Ideal" "Garco Waterproof" "Dixie" "Valbestine" "Semi-Bronze" "Morocco" "Sumter" "Gilt Edge" "Diagonal Expansion" "Hecla-Bronze" "Helicord")

VIRGINIA.

NORFOLK—Dominion Asbestos & Rubber Corp. ("Darcoid," "Rodtite," "Grafite," "Metal Prince," "Kid Skin," "Petrolite"), 8 Governor
See adv index at end of book
RICHMOND—Glacier Metal Co. ("Ribbonized," Metallic), Hull & 22d

WASHINGTON.

SEATTLE—Albion Mfg. Co. (Fibre & Metallic), 709 1st av

WISCONSIN.

CUDAHY—Federal Rubber Co., The (Rubber, all Grades)
MILWAUKEE—Hoyer Engineering Co. (Metallic), 281 Grove
Western Rawhide & Belting Co. (Rawhide) 600 So Pierce
OSHKOSH—Oshkosh Bottle Wrapper Co.
STEVENS POINT—Comee Metallic Packing Co. (Metallic)

10463a— Packing (Marine)

Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book
Chicago Rawhide Mfg. Co., The, 1307 Elston av, Chicago, Ill.
See adv index at end of book
Fibre Finishing Co., Tremont bldg, Boston, Mass.
Goetze Gasket & Packing Co., 3 Allen av, New Brunswick, N. J.
See adv index at end of book
Goodall Rubber Co., 11th & Arch, Phila., Pa.
Holmes Metallic Packing Co., 45H Clement, Wilkes-Barre, Pa.
Mabbs Hydraulic Packing Co. ("Mabbs"), 421 Manhattan bldg, Chicago, Ill.
Martell Packings Co., Elyria, Ohio
See adv index at end of book
Quaker City Rubber Co. ("P. P. P.," "Ebonestas"), 3927 Comly st, Phila., Pa.
See adv index at end of book
U. S. Metallic Packing Co., 429 N. 13th, Phila., Pa.
Western Packing & Supply Co., 233 N Wells, Chicago, Ill.
See adv index at end of book

10464— Packing (Metallic)

Advance Packing & Supply Co. ("Adpasco"), 808 W. Washington, Chicago, Ill.
Albion Mfg. Co., 709 1st av, Seattle, Wash.
American Asbestos Co. ("Ambesco" Sheets), Norristown, Pa.
American Huhn Metallic Packing Co. ("Huhn"), 1391 Sedgwick, New York
American Metallic Packing Co. (For Steam), Lexington, Ky.
Am. Steam Packing Co. (Asbesto Metallic), 516 Atlantic av, Boston, Mass.
Aurora Metal Co. ("Lewis & Kunzer" Piston), Aurora, Ill.
Austin, Mason & Co., 15 Park row, New York
Boston Belting Corp. ("Forsyth" Combination), 80 Elmwood av, Boston, Mass.
Callossus & Rhodes, 216½ Milton, Shreveport, La.
Cancos Mfg. Co. ("Black Squadron"), Garden & Bridge, Philadelphia, Pa.
Cassco Bar Metallic Packing Co., 3559 Lincoln av, Chicago, Ill.
Clinton Mfg. Co., 83 Grand av, Brooklyn, N. Y.
Colonial Supply Co. ("Colonial"), 414 1st av, Pittsburgh, Pa.
See adv index at end of book
Colossus Co., Inc., Shreveport, La.
Comee Metallic Packing Co., Stevens Point, Wis.
Cook C. Lee Mfg. Co. ("Cook's," Piston & Corliss Valve Stem, etc), Louisville, Ky.
Crane Packing Co. ("John Crane" Flexible Piston Rod), 1800 Cuyler, Chicago, Ill.
Detroit Leather Specialty Co. ("Wear-Well Regal"), 275 Beecher av, Detroit, Mich.
Edgecumbe J. C. & Co. ("Edgecumbe" Elastic), 149 B'way, New York
Eureka Packing Co. ("Ambest"), 76 Murray, New York
Federal Metallic Packing Co. ("Pactite" & Flexible Metallic Fibred Compound), 48 Hanover, Boston, Mass.
France Packing Co., Inc. ("France," "Tip Top" Shredded & Piston & Valve Rod, etc.), 6512 State rd., Phila., Pa.
Garlock Packing Co., Palmyra, N. Y.
General Asbestos & Rubber Co. ("Sumter," "Semi-Bronze"), Charleston, S. C.
GOETZE GASKET & PACKING CO. "Rex," "Goetze" for Saturated Steam, Cold & Hot Water & for Highest Steam & Water Pressures), 3 Allen av, New Brunswick, N. J.
See adv index at end of book
Goodsell Packing Co. ("Metalpac"), Maywood, Ill.
Hammett H. G. ("Trojan" for Piston Rods & Valve Stems), Troy, N. Y.
Harper Mfg. Co. ("Harper"), Chester, Pa.
Hartford Engine Works ("St. John" Self-Adjusting Cylinder), 233 Station, Hartford, Conn.
Hatch E. W. ("Hatch"), 14 L, Boston, Mass.
Hennebohle Frank, 31st & S Chicago av, Chicago, Ill.
Hewitt Co. (Standard Metal Rings), Railway Exchange bldg, Chicago, Ill.
High-Speed Metallic Packing Co. ("Perpetual" High Speed), 1218 W Grand av, Chicago, Ill.
Holmes Metallic Packing Co. (Piston Rod & Valve Stem), Wilkes-Barre, Pa.
Hoyer Engineering Co., 281 Grove, Milwaukee, Wis.
Ideal Metallic Packing Co., South Stillwater, Minn.
Jerome-Edwards Metallic Packing Co. ("Edwards," "Jerome"), 30 N May, Chicago, Ill.
Johnson H. Co. ("Johnson's" Asbestos Metallic Sheet, etc), ft Gates av, Jersey City, N. J.
Katzenstein Leopold & Co., 353 West, New York
Keckley O. C. Co. ("Endurance"), 318 Washington av., Chicago, Ill.
Kneadable Metallic Packing Co. ("U-Knead-It"), 780 Bryant, San Francisco, Cal.

Locomotive Finished Material Co. ("Pakring Metal"), Atchison, Kans.
Lubricating Metal Co. ("Noheet"), 2 Rector, New York
McQuay-Norris Mfg. Co. ("Leakproof" Piston Head), Cooper & Southwest avs, St. Louis, Mo.

MAGNOLIA METAL CO. ("Magnolia"), 113 Bank, New York
See adv index at end of book

Martell Packings Co., The ("Martell" for Hydraulic Service & Gas Engines), Elyria, O. *See adv index at end of book*

MARTELL METALLIC PACKINGS
insure continuous operation of plant
Made by
THE MARTELL PACKINGS CO.
ELYRIA, OHIO

Martin A. E. Foundry & Machine Co., 705 Park, Milwaukee, Wis.
Merrill Wm. B. & Co. ("Tripp" for Piston Rods, etc), Jamaica Plains, Boston, Mass.
Mikesell Bros. Co., Wabash, Ind.
See adv index at end of book
Montgomery Bros., 45 S 2d, Phila., Pa.
Morris Metallic Packing Co. (Piston Rod & Valve Stem), Lehigh av & Mutter, Phila., Pa.
National Supply Co., Union Bank bldg, Pittsburgh, Pa.
New Era Mfg. Co. ("New Era" Compressible Self-Lubricating Metallic Engine Packing), Kalamazoo, Mich.
Niagara Falls (Ont.) Gasket & Packing Co., 831 E 15th, Brooklyn, N. Y.
Northern Metallic Packing Co., 253 E 8th, St. Paul, Minn.
Pacific Coast Rubber Co. ("Chief's Ocean"), 316 Mission, San Francisco, Cal.
Paxton-Mitchell Co. ("Mitchell"), Omaha, Neb.
Power Specialty Co. ("Duval"), 111 B'way, New York
Revere Rubber Co. ("Giant" & "Samson," Spiral Piston, etc), Chelsea, Mass.

SMYTH RUBBER & PACKING CO., 512 Mercer, Jersey City, N. J.
Standard Asbestos Co., 69 Beekman, New York
Steel Mill Packing Co. ("Safety" Plastic Metallic), 240 W. Jefferson, Detroit, Mich.

STRONG MACHINERY & SUPPLY CO. ("Rivalite," "Shredded Wheat," "Featherleight" Metallic Loop & Semi-Metallic), 292-294 Church, New York
See adv index at end of book

Swain Lubricator Co. (For All Engines, Pumps, Superheated Steam, etc), 443 W 37th, Chicago, Ill.
Trainer C. W. Mfg. Co. ("Asbestos Metallic"), 55 High, Boston, Mass.
United Lead Co. ("Ulco" Lead Wool), 100 E 42nd, New York
U. S. Indestructible Gasket Co. ("Ames Alloy"), 831 E 15th, Brooklyn, N. Y.
See adv index at end of book
U. S. Metallic Packing Co. ("King" Piston Rod & Valve Stem, etc.), 429 N. 13th, Phila., Pa.
U. S. Rubber Co. ("Black Hawk"), 1790 B'way, New York
See adv index at end of book

"U. S." Black Hawk Hi-Heat Metallic Packing
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

Walker James & Co. (Ltd.), ("Lion"), 46 West, New York
Walker Thos. & Sons, 4619 Tacony, Fkd., Phila., Pa.
Walsh Packing Co., 304 New, Phila., Pa.
Warren & Bailey Co. ("Acme"), 214 E 3rd, Los Angeles, Cal.
Watson H. F. Co. (Asbestos), Erie, Pa.
Western Packing & Supply Co., 231 N Wells, Chicago, Ill.

W. P. S. LUBRA METALLIC PACKING
Made in Ring Form to Fit
A Proven Success for Valve Stems, Piston Rods, Header Valves, Expansion Joints, Dryers, Cookers, Mangles, Pump Rods, Air Compressors, Turbines, Rotary Valve Stems and Centrifugal Pumps.
WESTERN PACKING & SUPPLY CO.
233 No. Wells St. Chicago, Ill.

Williams & Wells Co., 253 Fulton, New York. *See adv index at end of book*
Winner Co., 30 Church, New York

10464a—Packing (Oil, Water & Gas)

Am. Steam Packing Co., 516 Atlantic av, Boston, Mass.
Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book
BRAWLEY T. R. (Oil, Felt), 270 20th, Brooklyn, N. Y.
See adv index at end of book
CHICAGO BELTING CO., 110 N. Green st, Chicago, Ill.
See adv index at end of book
Chicago Rawhide Mfg. Co., The (Oil & Gas), 1307 Elston av, Chicago, Ill.
See adv index at end of book
Continental Felt Co. (Oil Felt), 64-66 E 11th, New York
See adv index at end of book
Crandall Packing Co., Dept. H, Maple & Canal, Palmyra, N. Y.
Darcoid Company, 1780 Broadway, New York
See adv index at end of book
General Asbestos & Rubber Co., Charleston, S. C.
Goodall Rubber Co., 11th & Arch, Phila., Pa.
Greene Tweed & Co., 109H Duane, New York
Houghton E. F. Co. (Oil), 240H W Somerset, Phila., Pa.
Iten Fibre Co., 2358 E 67th, Cleveland, O.
See adv index at end of book
Jenkins Bros., 80 White, New York
See adv index at end of book
Kneadable Metallic Packing Co. ("U-Knead-It"), 780 Bryant, San Francisco, Cal.
Mabbs Hydraulic Packing Co. ("Mabbs" Oil & Water), 421 Manhattan bldg, Chicago, Ill.
Monarch Felt Works (Oil Felt), 39-45H York, Brooklyn, N. Y.
NIAGARA FALLS (ONT.) GASKET & PACKING CO. ("Niaquatite," & Sheet Packing for Oil, Water, Air, Gas, etc.), 831 E 15th, Brooklyn, N. Y.
Quaker City Rubber Co. ("P. P. P." & "Ebonite"), 3927 Comly st, Phila., Pa.
See adv index at end of book
UNION ASBESTOS & RUBBER CO., 351 E Ohio st, Chicago, Ill.
See adv index at end of book
Western Packing & Supply Co., 231 N Wells, Chicago, Ill.
See adv index at end of book

10465—Packing Pads (Excelsior)

See also Pads (Packing)

AMERICAN FOREST PRODUCTS CO., 24th & Race, Philadelphia, Pa.
See adv index at end of book
ATLANTIC EXCELSIOR CO., 507 W 30th, New York
See adv index at end of book
Boston Excelsion Co., 26 Canal, Boston, Mass.
EXCELSIOR WRAPPER CO., Sheboygan, Wis.
SELLE & CO. H. W., 1000-1020 N Halsted, Chicago
See adv index at end of book

10465a— Packing (Piston Rod)

See Packing, Metallic; also Packing Manufacturers

Am. Steam Packing Co., 516 Atlantic av, Boston, Mass.
Asbestos Materials Corp., Millington, N. J.
Chicago Rawhide Mfg. Co., The, 1307 Elston av, Chicago, Ill.
See adv index at end of book
Colossus Co., Inc. (Locomotive), Shreveport, La.
General Asbestos & Rubber Co., Charleston, S. C.
Goodall Rubber Co., 11th & Arch, Phila., Pa.
Goodyear Tire & Rubber Co., Inc. ("Good Year"), 1144 E. Market, Akron, Ohio
Greene Tweed & Co., 109H Duane, New York
Kneadable Metallic Packing Co. ("U-Knead-It"), 780 Bryant, San Francisco, Cal.
Mabbs Hydraulic Packing Co. ("Mabbs"), 421 Manhattan bldg, Chicago, Ill.
MARTELL PACKINGS CO. (THE), Elyria, Ohio *See adv index at end of book*
Mikesell Bros. Co., Wabash, Ind.
See adv index at end of book
Montgomery Bros., 45 S 2d, Phila., Pa.
Quaker City Rubber Co. ("Daniel's," "P. P. P.," "Quaker City," "Valvolite," "Holetite"), 3927 Comly st, Phila., Pa.
See adv index at end of book
Smith E. M. Co. ("Emsco"), 612-42 S Clarence, Los Angeles, Cal.
Smyth Rubber & Packing Co., 512 Mercer, Jersey City, N. J.
Strong Machinery & Supply Co. ("Veribest," "Edgeware," "Silver King," "Nufashond"), 292-294 Church, New York *See adv index at end of book*
U. S. Rubber Co., 1790 Broadway, New York *See adv index at end of book*

"U.S." PEERLESS PISTON PACKING
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

Western Packing & Supply Co., 233 N Wells, Chicago, Ill.
See adv index at end of book

10465b—Packing (Pneumatic Die Cushions

Michigan Leather Packing Co., Inc., 618-620 St. Antoine, Detroit, Mich.
See adv index at end of book

10466— Packing (Pump)

Am. Steam Packing Co., 516 Atlantic av, Boston, Mass.
Asbestos Materials Corp., Millington, N. J.
Barwood L. J. Mfg. Co. ("Barwood" Leather Felt & Fibre), Stoneham 80, Boston, Mass. *See adv index at end of book*
BARWOOD V. H. MFG. CO. ("Barco"), Lynn, Mass.
See adv index at end of book
Brawley T. R. (Felt), 270 20th, Brooklyn, N. Y. *See adv index at end of book*
CHICAGO BELTING CO., 110 N Green st, Chicago, Ill.
See adv index at end of book
Chicago Rawhide Mfg. Co., The, 1307 Elston av, Chicago, Ill.
See adv index at end of book
Clinton Mfg. Co., 83 Grand av, Brooklyn, N. Y.
Colossus Co., Inc. (Air for Locomotives), Shreveport, La.
Continental Felt Co. (Felt), 64-66 E 11th, New York *See adv index at end of book*
Delaware Hard Fibre Co. (Fibre), Wilmington, Del. *See adv index at end of book*
Dominion Asbestos & Rubber Corp., 1780 B'way, New York
See adv index at end of book
General Asbestos & Rubber Co., Charleston, S. C.
Goodall Rubber Co., 11th & Arch, Phila., Pa.
Greene Tweed & Co., 109H Duane, New York
Hewitt Rubber Co., 246H Kensington av, Buffalo, N. Y.
Mabbs Hydraulic Packing Co. ("Mabbs"), 421 Manhattan bldg, Chicago, Ill.
Martell Packings Co. (The), Elyria, Ohio
See adv index at end of book
MICHIGAN LEATHER PACKING CO., INC., 618-620 St. Antoine, Detroit, Mich.
See adv index at end of book
Mikesell Bros. Co., Wabash, Ind.
See adv index at end of book
Monarch Felt Works (Felt), 39-45H York, Brooklyn, N. Y.
Montgomery Bros. (Air), 45 S 2d, Phila., Pa.
NIAGARA FALLS (ONT.) GASKET & PACKING CO., 831 E 15th, Brooklyn, N. Y.
Quaker City Rubber Co. ("P. P. P."), 3927 Comly st, Philadelphia, Pa.
See adv index at end of book
Smyth Rubber & Packing Co., 512 Marcer, Jersey City, N. J.
U. S. Rubber Co., 1790 Broadway, New York *See adv index at end of book*

"U. S." PEERLESS SPECIAL CANVAS PUMP PACKING
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

Western Packing & Supply Co., 233 N Wells, Chicago, Ill.
See adv index at end of book

10467-8—Packing (Rawhide)

Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book
Brawley T. R., 270 20th, Brooklyn, N. Y.
See adv index at end of book
Chicago Rawhide Mfg. Co., The, 1301 Elston av, Chicago, Ill.
See adv index at end of book
Goetze Gasket & Packing Co., 3 Allen av, New Brunswick, N. J.
See adv index at end of book
Janesville Products Co., Janesville, Wis.

(Continued on following page)

Packing (Rawhide)—Continued

Mabbs Hydraulic Packing Co. ("Mabbs"), 421 Manhattan bldg, Chicago, Ill.



MABBS
RAWHIDE PACKING
Has No Equal

For handling any kind of cold liquids — It never becomes hard or glazed. Put up of any size in 5, 10, 25 and 50-lb. pails. Price $2.00 per lb.

MABBS HYDRAULIC PACKING CO.
421 Manhattan Building CHICAGO

National Leather Mfg. Co. (Self-Lubricating), Niles, Mich.
Niagara Falls (Ont.) Gasket & Packing Co., 831 E 15th, Brooklyn, N. Y.
See adv index at end of book
Strong Machinery & Supply Co. (Square-Plated Rawhide, "Western King," "Aquaproof," "Alpena"), 292-294 Church, New York
See adv index at end of book
Western Rawhide & Belting Co. (White Rope), 600 So Pierce, Milwaukee, Wis.

Packing (Red Sheet)

See Packing Sheet

10469—Packing (Resilient Waste)

Franklin Mfg. Co. ("Perfection, for Journal Box, Piston Rod, etc), Franklin, Pa.
Imperial Packing Corp, 73 W Broadway, New York

10470—Packing (Ring & Spiral)

American Asbestos Co. ("Ambesco" & Asbestos Metallic), Norristown, Pa.
Am. Steam Packing Co., 516 Atlantic av, Boston, Mass.
Anchor Packing Co. ("Senator"), 531 Market, Philadelphia, Pa.
Anderson G. P. & Co., 207 Congress, Boston, Mass.
Asbestos Materials Corp., Millington, N. J.
Boonton Rubber Co. (Hard Rubber & Asbestos), Boonton, N. J.
Boston Belting Corp., 84 Linden Park, Boston, Mass.
Brawley T. R. (Felt for Various Purposes), 270 20th, Brooklyn, N. Y.
See adv index at end of book
Brown D. P. & Co. (Brown's Oil Proof), 264 N 4th, Phila., Pa.
Cancos Mfg. Co. "Black Squadron"), Garden & Bridge, Phila., Pa.
Carpenter & Co., Geo. B., 434 N Wells st, Chicago, Ill.
See adv index at end of book
Chicago Rawhide Mfg. Co., The, 1301 Elston av, Chicago, Ill.
See adv index at end of book
CINCINNATI RUBBER MFG. CO. ("Norka" Red Gum Core), Norwood, Cincinnati, O.
See adv index at end of book

The Cincinnati Rubber Mfg. Co.
Cincinnati, Ohio
MECHANICAL & SPECIAL MOULDED RUBBER GOODS
Pacemaker Rubber Transmission Belting, Arno Conveyor Rubber Belting, Losant Hose for Steam, Water, Air, Norka Packing.
MECHANICAL RUBBER SPECIALTIES MADE TO ORDER

Clinton Mfg. Co., 83 Grand av, Brooklyn, N. Y.
Combination Rubber Mfg. Co. ("Indestructene," "Bloomfield" Sectional & Plain), Bloomfield, N. J.
Crandall Packing Co., Palmyra, N. Y.
Darcoid Company, 1780 Broadway, New York *See adv index at end of book*
Dealers Steam Packing Co. (Devil Skin" Superheated Steam), Palmyra, N. Y.
Durabla Mfg. Co. ("Durabla" Superheated Steam, Oil & Water), 114 Liberty, New York
Empire Tire & Rubber Corp., ("Empire's Best," "Model," "Sterling," "Reliance," "Hercules," "Eagle," "Diamond" & "Vulcan"), Trenton, N. J.
Ever-Tyte Piston Ring Division, Walter A. Zelnicker Supply Co. ("Ever-Tyte"), St. Louis, Mo.
Federal Metallic Packing Co. (Flexible Metallic), 48 Hanover, Boston, Mass.
Garlock Packing Co., Palmyra, N. Y.
General Asbestos & Rubber Co. ("Garco," "Helicord," "Semi-Bronze," "Hecla"), Charleston, S. C.
Goetze Gasket & Packing Co. ("Ideal"), 3 Allen av, New Brunswick, N. J.
See adv index at end of book
Goodall Rubber Co., 11th & Arch, Phila., Pa.
Gould Packing Co. ("Gould's Original Ring"), Cambridge, Mass.
Gutta Percha & Rubber Mfg. Co., 350 Madison av, New York
Hollow Center Packing Co., 1968 E 66th st, Cleveland, Ohio
Ideal Metallic Packing Co. ("Ideal," Metallic), S Stillwater, Minn.
Imperial Packing Corp., 73 W. Broadway, New York
Jenkins Bros., 80 White, New York
See adv index at end of book
Jerome-Edwards Metallic Packing Co., 30 N May, Chicago, Ill.
Johns-Manville Inc. (Wick & Rope), Madison av & 41st, New York
Johnson Henry Co. ("Alden," "Moreland," "Remora," " Waldo," "Sable," "Clay," "Johnson's"), ft. Gates av, Jersey City, N. J.
Knowlton Geo. W. Rubber Co. "G. W. K." (And Spiral, Square & Round), 60 Pearl, Boston, Mass.
McQuay-Norris Mfg. Co. ("Leakproof" **Piston Head), Cooper & Southwest avs, St. Louis, Mo.**
Martell Packings Co. (The), Elyria, Ohio
See adv index at end of book

MARTELL METALLIC PACKING RINGS
are all metal and cannot blow out or burn out
THE MARTELL PACKINGS CO.
ELYRIA, OHIO

Michigan Leather Packing Co. (Leather), 618-20 St. Antoine, Detroit, Mich.
See adv index at end of book
Monarch Felt Works (Felt for Various Purposes), 39-45H York, Brooklyn, N. Y.
National India Rubber Co., Bristol, R. I.
New Jersey Asbestos Co., 1 Water, New York
New York Belting & Packing Co. (Rubber), 91 Chambers, New York
Niagara Falls (Ont.) Gasket & Packing Co. (Ring), 831 E 15th, Brooklyn, N. Y.
Pacific Coast Rubber Co., 316 Mission, San Francisco, Cal.
Pilley Flue Brush Co., 604 S 3d, St. Louis, Mo.
Quaker City Rubber Co. ("Coronet," "Krusader," "Micado," "Crown"), 672 Market, Phila., Pa.
See adv index at end of book
Revere Rubber Co. ("Revere," Lubricated) Chelsea, Mass.
Smyth Rubber & Packing Co., 512 Mercer, Jersey City, N. J.
STRONG MACHINERY & SUPPPLY CO. "Veri-Best," Extra High Pressure, Piston & Valve Rod), 292-294 Church, New York *See adv index at end of book*
U. S. Metallic Packing Co., 429 N 13th, Phila., Pa.
U. S. RUBBER CO., 1790 Broadway, New York *See adv index at end of book*
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
Western Packing & Supply Co., 233 N Wells, Chicago, Ill.
See adv index at end of book
Wing J. T. & Co., 19 Woodward av, Detroit, Mich.
Young C. C. (Ring), Jersey Shore, Pa.

10471—Packing (Rod & Plunger)

Am. Steam Packing Co., 516 Atlantic av, Boston, Mass.
Barwood L. J. Mfg. Co. ("Barwood" Leather), Stoneham 80, Boston, Mass.
See adv index at end of book
Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book
CHICAGO BELTING CO., 110 N Green st, Chicago, Ill.
See adv index at end of book
Chicago Rawhide Mfg. Co., The, 1307 Elston av, Chicago, Ill.
See adv index at end of book
Crandall Packing Co., Dept. H, Maple & Canal, Palmyra, N. Y.
Darcoid Company, 1780 Broadway, New York *See adv index at end of book*
Dealers Steam Packing Co., Palmyra, N. Y.
Field, R. B. & Co. (" Fields "), Worcester, Mass.
General Asbestos & Rubber Co., Charleston, S. C.
Goetze Gasket & Packing Co., 3 Allen av, New Brunswick, N. J.
See adv index at end of book
Goodall Rubber Co., 11th & Arch, Phila., Pa.
Greene Tweed & Co., 109H Duane, New York
H. S. Motor Co. ("Shaws" Patented), 100 Farrell, San Francisco, Cal.
Hollow Center Packing Co., 1968 E 66th st, Cleveland, O.
Imperial Packing Corp., 73 W. Broadway, New York
Johns-Manville Inc. ("Sea Rings," "Mogul," "Kearsarge," "Universal"), Madison av & 41st, New York
Keckley O. C. Co. (Semi-Metallic Rod), 318 Washington, Chicago, Ill.
Kneadable Metallic Packing Co. ("U-Knead-It"), 780 Bryant, San Francisco, Cal.
Mabbs Hydraulic Packing Co. ("Mabbs"), 421 Manhattan bldg, Chicago, Ill.
MARSH CHAS. W. CO. (Leather), Muskegon, Mich.
MARTELL PACKINGS CO. (THE), Elyria, Ohio *See adv index at end of book*
Montgomery Bros., 45 S 2d, Phila., Pa.
QUAKER CITY RUBBER CO. ("Donkey," "P. P. P.," "Dragon," "Crown"), 3927 Comly st, Philadelphia, Pa.
See adv index at end of book
Smyth Rubber & Packing Co., 512 Mercer, Jersey City, N. J.
U. S. Rubber Co. ("U. S. Rainbesto"), 1790 Broadway, New York
See adv index at end of book

"U. S." Rain-Besto
HIGH PRESSURE ROD PACKING
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

Western Packing & Supply Co., 233 N Wells st, Chicago, Ill.
See adv index at end of book

10472— Packing (Sheet)

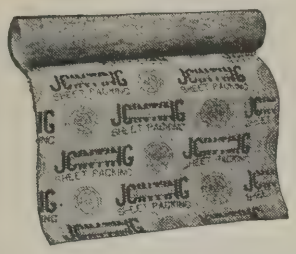
Adkins, Young & Allen Co. ("A. Y. A."), 109 N Canal, Chicago, Ill.
Advance Packing & Supply Co. ("Bestallic," "Tenax," "Adpasco," "Tanpac"), 808 W Washington, Chicago, Ill.
American Asbestos Co. ("Ambesco" & Asbestos Metallic), Norristown, Pa.
Am. Steam Packing Co., 516 Atlantic av, Boston, Mass.
Anchor Packing Co. (Hydroil "Tauril," "Ankorite," "Asbestine"), Lafayette bldg, Phila., Pa.
Argus Asbestos Co. Inc. ("Permanite"), Dept. H, Port Chester, N. Y.
Asbestos Fibre Spinning Co. ("Fibo" Asbestos Cloth & Brass Wire), North Wales, Pa.
Asbestos Materials Corp., Millington, N. J.
Austin, Mason & Co., 15 Park Row, New York
Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
Belmont Packing & Rubber Co. ("Belmont"), 12th & Arch, Philadelphia, Pa.
Boston Belting Corp. (" Roxboro," " Champion," "Crescent," "Nox-en-all," "Black Diamond," "Elmwood," "Phoenix," "Trimount," "Flexite," "Regular"), 84 Linden Park, Boston, Mass.
Brawley T. R. (Felt for Various Purposes), 270 20th, Brooklyn, N. Y.
See adv index at end of book
Burgmann Feodor (Janos"), 26 John, New York

Cloth Inserted
SHEET PACKING
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

Cancos Mfg. Co. ("Black" "Squadron," "Pyramid"), Garden & Bridge, Phila., Pa.
CARPENTER & CO., GEO. B., 434 N Wells st, Chicago, Ill.
See adv index at end of book
Chesterton A. W. Co. ("Redbestos," "Rubberbestos," "Vaporite," "Russo," "Fiberite" Metal Asbestos), 64 India, Boston, Mass.
CINCINNATI RUBBER MFG. CO. ("Wampus," "Sandow" Fibre, "Norka" Red Sheet, "Old Crow" Black Sheet, "Losant," "Sandow" Pure Gum Sheet, "Losant" Diaphragm), Norwood, Cincinnati, Ohio
See adv index at end of book

The Cincinnati Rubber Mfg. Co.
Cincinnati, Ohio
MECHANICAL & SPECIAL MOULDED RUBBER GOODS
Pacemaker Rubber Transmission Belting, Arno Conveyor Rubber Belting, Losant Hose for Steam, Water, Air, Norka Packing.
MECHANICAL RUBBER SPECIALTIES MADE TO ORDER

Clinton Mfg. Co., 83 Grand av, Brooklyn, N. Y.
Colonial Supply Co. ("Colonial," "Continental"), 217 Water, Pittsburgh, Pa.
See adv index at end of book
Combination Rubber Mfg. Co. ("Red Diamond," "Blue Diamond" & Wire Insertion, Diaphragm, etc), Bloomfield, N J.



DARCOID SHEET PACKING

The only packing for extreme conditions and the most economical and efficient for ordinary conditions. For superheat steam, air, acids, ammonia, alkalies, gas, oil, water. In sheets 40″ x 120″ and thicknesses 1/32″, 1/16″, 1/8″.

RODTITE No. 611
HIGH PRESSURE SPIRAL
Piston Rod and Valve Rod Packing for all high pressure steam service and for rods running in oil, grease or acids.

SOVEREIGN No. 627
Low Pressure Spiral
Piston Rod and Valve Rod Packing for medium or low pressure steam, hot or cold water.

DOMINION No. 666
CROSS EXPANSION SPIRAL
for Ammonia

DOMINION No. 825
WHITE FRICTION HYDRAULIC (TUCKS)
for inside packed plungers on hot water pumps

Wire Inserted Asbestos Gaskets—Darcoid Universal Valve Discs

THE DARCOID COMPANY, Incorporated, 1780 Broadway NEW YORK

Consolidated Packing & Supply Co. ("Adamite," "Consolco"), 21 Barclay, New York
Continental Rubber Works ("Tribune"), Erie, Pa.

DARCOID COMPANY ("Darcoid," "Sovereign," "Dominion," "Regent," "Old Dominion," "Domino," "Grafite," "Flangetite," "Petrolite," "Squadron"), 1780 Broadway, New York
See adv index at end of book

Dealers Steam-Packing Co., Palmyra, N. Y.
Durabla Mfg. Co. ("Durabla" Superheated Steam, Oil & Water), 114 Liberty, New York
Empire Tire & Rubber Corp. ("Alabama," "Amazon," "Merrimac," "Monitor" & "Paragon"), Trenton, N. J.
Essex Rubber Co., Trenton, N. J.
Eureka Packing Co., 78 Murray, New York
France Packing Co., 6510 State rd, Tacony, Phila., Pa.
Garlock Packing Co. ("Garlock"), Palmyra, N. Y.
Garratt-Callahan Co. ("Swart's"), 30 Fremont, San Francisco, Cal.

GASKET SUPPLY CO. ("Right" Cloth Inserted & Red Rubber & Oil-Proof), 1927 Ludlow, Phila., Pa.
See adv index at end of book

General Asbestos & Rubber Co. ("Aurora," Red "Morocco" Black, "Semi-Bronze" "Calibestos" "Pyroid" "Petrobestos"), Charleston S. C.

GOETZE GASKET & PACKING CO. ("Goetzerite"), 3 Allen av, New Brunswick, N. J.
See adv index at end of book

Goodall Rubber Co., 11th & Arch, Phila., Pa.
Goodrich B. F. Rubber Co., Akron, O.
Goodyear Tire & Rubber Co., Inc. ("Goodyearite," "Good Year"), 1144 E. Market, Akron, Ohio
Gould Packing Co. ("Gould's"), E. Cambridge, Mass.
Gutta Percha & Rubber Mfg. Co. (Red & Black Cloth Insertion & Pure Gum), 350 Madison av, New York
Hamilton Rubber Mfg. Co. ("Perfection"), Trenton, N. J.
Hart Packing Co. ("Demon"), 144 High, Boston, Mass.
Hewitt Rubber Co. ("Linwood" Self-Vulcanizing, "Red Skin," "Magnus," "Oriole" Red Sheet & "Hewitt" Black Sheet), Buffalo, N. Y.
Hollow Center Packing Co. ("Ovalpole"), 1968 E 66th st, Cleveland, Ohio
Home Rubber Co. ("Original Black," "N. B. O."), Trenton, N. J.
Hudson Packing Co., 67H E 21st, Bayonne, N. J.
Imperial Packing Corp., 73 W. Broadway, New York
Janos Asbestos Co., 26 Cortlandt, New York

JENKINS BROS. ("Jenkins 96" "Jenarco" "Oilite" Compressed Asbestos Magnolia, Black, Rubber, Campo & Red), 80 White, New York
See adv index at end of book

Johns-Manville Inc. ("Mobilene," "Kearsarge," "Liberty," "Vulcabeston"), Madison av & 41st, New York
Johns-Pratt Co. ("Vulcobeston" Red Fibre), Hartford, Conn.
Johnson H. Co. ("Brandon," "Black Jack," "Alligator," "Johnson's"), ft. Gates av, Jersey City, N. J.
Keckley O. C. Co. ("Pocahontas," "Triangle"), 318H Washington av, Chicago, Ill.
Keystone Gasket Mfg. Co., 829 N 4th, Philadelphia, Pa.
See adv index at end of book
Knowlton G. W. Rubber Co. ("G. W. K.," "Hub"), 60 Pearl, Boston, Mass.
Mercer Rubber Co. ("Redbreast," Asbestos, (Rubber with Cloth Insertion), Hamilton Sq., N. J.
Mikesell Bros. Co., Wabash, Ind.
See adv index at end of book
Montgomery Bros., 45 S 2d, Phila., Pa.
National India Rubber Co. ("N. I. R." Red), Bristol, R. I.
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
New Jersey Asbestos Co., 1 Water, New Jersey
New Jersey Car Spring & Rubber Co. ("Carspring," "Red Oak"), 91 Brunswick, Jersey City, N. J.
New York Belting & Packing Co. ("Salamanda," "Indestructible," "Karbonite," "Ruby"), 91 Chambers, New York
Niagara Falls (Ont.) Gasket & Packing Co., 831 E 15th, Brooklyn, N. Y.
Nuhring Chas. & Bros. ("I.X.L."), 1212 Walnut, Cincinnati, O.
Pacific Coast Rubber Co. ("Paxtite"), 316 Mission, San Francisco, Cal.
Pennsylvania Rubber Co. ("Century" White Pure Sheet Rubber, "Creole" Black Sheet, etc), Jeannette, Pa.
Pioneer Rubber Mills ("Native Wire Inserted," "Red Diablo," "Reliance," "Red Snookum," "Sunset"), 66 Sacramento, San Francisco, Cal.

QUAKER CITY RUBBER CO. ("Delta," "Ebonite," "Kaloric," "Plumcarbo," "Skihi," "Delta"), 3927 Comly st, Philadelphia, Pa.
See adv index at end of book

Republic Rubber Co. ("Invader"), Youngstown, O.
Revere Rubber Co. ("Black Cross," "Back Hawk," "Eagle," "Usurdurian," "Giant Red Crescent," "Paramo," "Revere"), Chelsea, Boston, Mass.
Salisbury W. H. & Co. ("Congo," "Malan Hevea," "Salisbury," "Royal-White"), 308 N Madison, Chicago, Ill.
Smith C. M. Co. ("Emsco"), 612-42 S Clarence, Los Angeles, Cal.

SMYTH RUBBER & PACKING CO., 512 Mercer, Jersey City, N. J.

STRONG MACHINERY & SUPPLY CO. ("Kingfisher," "Nonpareil," "Campo," "I. O. P.," "Dichtungsgummi"), 292-294 Church, New York
See adv index at end of book

Trainer C. W. Mfg. Co. ("Olympia," "Vulcanfibron"), 55 High, Boston, Mass.

UNION ASBESTOS & RUBBER CO. ("Unionite," "Union"), 351 E Ohio st, Chicago, Ill. *See adv index at end of book*

United States Asbestos Co. of Ill. "Durabestos" Auto), 619-629 Washington blvd, Chicago, Ill.
U. S. Rubber Co. ("U. S. Paramo," Oil-Proof, "U. S. Vanda," "Usudurian," "U. S. Wizard"), 1790 Broadway, New York *See adv index at end of book*

"U. S." Rainbow SHEET PACKING
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

United & Globe Rubber Co., Trenton, N. J.
Victor Rubber Co. ("Viruco"), Springfield, O.
Watts John M. Sons ("Dingo Red," "Watts Oil Proof"), 54 N 2d, Phila., Pa.

WESTERN PACKING & SUPPLY CO., 233 N Wells, Chicago, Ill.
See adv index at end of book

Western Rubber Co. ("C. I.," "C. B. S.," "C. O. S."), Goshen, Ind.
Whitehead Bros. Rubber Co., Trenton, N. J.
Williams & Wells Co., 253 Fulton, New York. *See adv index at end of book*
Woven Steel Hose & Rubber Co., Trenton, N. J.

10472a— Packing (Steam)

See also Packing Various kinds

Am. Steam Packing Co., 516 Atlantic av, Boston, Mass.
Channel Packing & Rubber Co. ("Seal Tite" "Squeegee" "Wedgeset"), 366 West B'way, New York
Consolidated Packing & Supply Co., 21 Barclay, New York
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book

DARCOID COMPANY (Rubber), 1780 Broadway, New York
See adv index at end of book

Durabla Mfg. Co. ("Durabla"), 114 Liberty, New York
Garrett Callahan Co., 146 Spear, San Francisco, Cal.
General Asbestos & Rubber Co., Charleston, S. C.

GOETZE GASKET & PACKING CO., 3 Allen av, New Brunswick, N. J.
See adv index at end of book

Goodall Rubber Co., 11th & Arch, Phila., Pa.
Greene Tweed & Co., 109H Duane, New York
Jenkins Bros., 80 White, New York
See adv index at end of book
Jones Packing Co., 50 Church, New York

MARTELL PACKINGS CO. (THE), (Steam, Engine, Metal), Elyria, Ohio
See adv index at end of book

Mikesell Bros. Co., Wabash, Ind.
See adv index at end of book
Montgomery Bros., 45 S 2d, Phila., Pa.
Mushet W. E. Co. ("Wemco" Dirs), 700 2d, San Francisco, Cal.

NIAGARA FALLS (ONT.) GASKET & PACKING CO. ("Klingtite"), 831 E 15th, Brooklyn, N. Y.

Pacific Coast Rubber Co. ("Hitest"), 316 Mission, San Francisco, Cal.

(Continued on following page)

Packing (Steam)—Continued

Quaker City Rubber Co. ("Crown," "P. P. P.," "Ebonite," "Hercules," "Regal," "Quaker City," "Skihi," "Standard," "Valvolite," "Delta," "Krusader"), 3927 Comly st, Philadelphia, Pa.
See adv index at end of book
Smith E. M. Co. ("Emsco"), 612-42 S Clarence, Los Angeles, Cal.
SMYTH RUBBER & PACKING CO., 512 Mercer, Jersey City, N. J.
UNION ASBESTOS & RUBBER CO., 351 E Ohio st, Chicago, Ill.
See adv index at end of book
U. S. Metallic Packing Co., 429 N 13th, Phila., Pa.
United States Rubber Co., 1790 Broadway, New York
See adv index at end of book
Western Packing & Supply Co., 233 N Wells, Chicago, Ill.
See adv index at end of book
WILLIAMS & WELLS CO., 253 Fulton, New York. *See adv index at end of book*

10473— Packing ("U" Cup)

See also Cups (Leather), also Gaskets (Leather)
Michigan Leather Packing Co., Inc., 618-620 St. Antoine, Detroit, Mich.

10473-4— Packing Sticks

Strong Machinery & Supply Co. ("Excelsior"), 292-294 Church, New York
See adv index at end of book

10475— Packing (Vulcanized Fibre)

Barwood L. J. Mfg. Co. ("Barwood"), Stoneham 80, Boston, Mass.
See adv index at end of book
Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book
General Asbestos & Rubber Co., Charleston, S. C.
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
Smyth Rubber & Packing Co., 512 Mercer, Jersey City, N. J.
U. S. Rubber Co., 1790 Broadway, New York *See adv index at end of book*

"U. S."
Usudurian Packing
SELF-VULCANIZING SHEET
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

10476—Packing (Weather Strip)

Bosley D. W. Co. (For Refrigerators, Ice Boxes, etc.), 122 S Michigan av, Chicago, Ill.
Brawley T. R. (Felt), 270 20th, Brooklyn, N. Y. *See adv index at end of book*
CONTINENTAL FELT CO. (Felt), 64-66 E 11th, New York
See adv index at end of book
Monarch Felt Works (Felt), 39-45H York, Brooklyn, N. Y.
U. S. RUBBER CO., 1790 Broadway, New York *See adv index at end of book*

10477—Packing (Wire Rope Pulley)

Boston Belting Corp., 84 Linden Park, Boston, Mass.
Montgomery Bros., 45 S 2d, Phila., Pa.

10478— Packing (Yarn)

Wyoming Yarn Co. ("Wypak" Woolen for Journal Boxes, etc.), Wyoming, R. I.

10479— Pad Screws

North & Judd Mfg. Co. ("Anchor Brand"), New Britain, Conn.
Pacific Pad Co., 157 7th, San Francisco, Cal.

10480— Padding (Table)

Knitted Padding Co. (Knitted Cotton), Canton Junction, Mass.

10481— Paddles (Beater)

Emery Mfg. Co., 43 Main, Bradford, Pa.
Menasha Wood Split Pulley Co., Menasha, Wis.

10482— Paddles (Canoe)

ANCHOR SAW MILLS CO., 434 Washington, New York
N. Y. Boat Oar Co., 69 West, New York

10483—Paddles (Mustard)

BOGERT & HOPPER, INC., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

Est. 1847 **E. B. ESTES & SONS** Mfrs. of
Mustard Paddles
Boxwood and Maple, Plain or Printed
Also Mustard Spoons
Automatic Lathe Turnings
364 Fifth Avenue New York City

Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book

Padlocks

See Locks, Padlocks

10484— Padlocks (Pole)

Fletcher Mfg. Co., Dayton, Ohio

10485— Pads (Calendar)

Elliott Chas H. Co., 17th & Lehigh av, Phila., Pa.
General Advertising Co., Reading, Pa.
Goes Lithographing Co., 42 W 61st, Chicago, Ill.
Kimpton Ed. Co., 18 Cliff, New York
National Art Works (Daily), Covington, Ky.
Southgate Press ("Acme"), 37 Broad, Boston, Mass.
Stern Edward & Co., 140 No 6th, Phila., Pa.
Sullivan Printing Works Co., 1054 Gilbert, Cincinnati, O.
Tower Mfg. & Novelty Co., 326 B'way, New York
Weeks Frank A. Mfg. Co., 93 John, New York

10486—Pads (Carriage Step)

Keystone Forging Co. (Wrought Iron), Northumberland, Pa.

10487— Pads (Chair)

Advance Felt & Cutting Co., 320H S Jefferson, Chicago, Ill.
Barwood L. J. Mfg. Co. ("Barwood"), Stoneham 80, Boston, Mass.
See adv index at end of book
Boston Excelsior Co., 562 W 29th, New York City
Brawley T. R. (Felt), 270 20th, Brooklyn, N. Y. *See adv index at end of book*
Continental Felt Co. (Felt), 64-66 E 11th, New York *See adv index at end of book*
Excelsior Wrapper Co., Sheboygan, Wis.
Fox Geo. E. Co. (Felt), 319 W Ohio, H, Chicago, Ill.
Grammes L. F. & Sons, Allentown, Pa.
Non Shine Pad Co. ("Non Shine"), 123 N 4th, Philadelphia, Pa.
Monarch Felt Works (Felt), 39-45H York, Brooklyn, N. Y.
Oshkosh Bottle Wrapper Co. (& Furniture Pads), Oshkosh, Wis.
Pacific Felt Cutting & Sewing Co., 26G Clementina, San Francisco, Cal.
Pacific States Mfg. Co., Inc., 60 Natoma, San Francisco, Cal.

10488— Pads (Coach)

Standard Coach Pad Co., Wooster, O.

10488a— Pads (Copying Book)

Brawley T. R. (Felt), 270 20th, Brooklyn, N. Y. *See adv index at end of book*
Continental Felt Co. (Felt), 64-66 E 11th, New York *See adv index at end of book*
Monarch Felt Works (Felt), 39-45H York, Brooklyn, N. Y.

10488b— Pads (Desk)

Advertising Printing Co. ("Cardoscope Jiffy Jot"), 128 Halleck, San Francisco, Cal.
Barwood L. J. Mfg. Co. ("Barwood"), Stoneham 80, Boston, Mass.
See adv index at end of book
Brawley T. R. (Felt), 270 20th, Brooklyn, N. Y. *See adv index at end of book*
Continental Felt Co. (Felt), 64-66 E 11th, New York *See adv index at end of book*
Dale Robert Co. ("Big Chief Desk Secretary"), 257 S Spring, Los Angeles, Cal.
Dawson Mfg. Co., 312 N 2nd, St. Louis, Mo.
Globe-Wernicke Co. (The), 25 Carthage av, Cincinnati, Ohio
See adv index at end of book
Monarch Felt Works (Felt), 39-45H York, Brooklyn, N. Y.
Pacific Pad Co., 157 7th, San Francisco, Cal.
Ravenswood Office Specialties Co. ("Ravenwood," "Rosco" Glass), 1800 Newport av, Chicago, Ill.
Stimpson Edwin B. Co. (Corners For), 353 Kent av, Brooklyn, N. Y.
See adv index at end of book

10488c—Pads (Excelsior Packing)

AMERICAN FOREST PRODUCTS CO., 24th & Race, Phila., Pa.
See adv index at end of book
ATLANTIC EXCELSIOR MFG. CO., 507-509 W 30th, New York
See adv index at end of book
BOSTON EXCELSIOR CO., 562 W 29th, New York
EXCELSIOR WRAPPER CO., Sheboygan, Wis.
See adv index at end of book
EXCELSIOR WRAPPER CO., Grand Rapids, Mich.
See adv index at end of book
EXCELSIOR WRAPPER CO., 224 W Kinzie, Chicago, Ill.
See adv index at end of book
SELLE H. W. & CO., 1012 N Halsted, Chicago, Ill. *See adv index at end of book*

10488d— Pads (Felt)

BARWOOD L. J. MFG. CO. ("Barwood"), Stoneham 80, Boston, Mass.
See adv index at end of book
Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book
Brawley T. R. (Felt), 270 20th, Brooklyn, N. Y. *See adv index at end of book*
Continental Felt Co., 64-66 E 11th, New York *See adv index at end of book*
Monarch Felt Works (Felt), 39-45H York, Brooklyn, N. Y.

10489—Pads (Horse Collar)

Am. Pad & Textile Co. ("Tapatco"), Greenfield, Ohio
Burlington Blanket Co. ("Ventiplex"), Burlington, Wis.
Curtis-Dexter Co. ("Boss" Zinc Lined, "Curtis" Leather), Madison, Wis.
Gall Cure Collar Pad Co. ("Gall-Cure"), North Baltimore, Ohio
Graton & Knight Mfg. Co. (The), 244 Franklin, Worcester, Mass.
See adv index at end of book
Harsh-Miller Mfg. Co. ("Wabash"), Wabash, Ind.
Meyer Corpn., The, Morton, Ill.
Perforated Pad Co., Woonsocket, R. I.
Perkins-Campbell Co., 622 B'way, Cincinnati, O.
Zink Collar Pad Co. ("Star" Zinc & Leather), Buchanan, Mich.

10490—Pads (Horse Shoe, Leather)

Barwood L. J. Mfg. Co. ("Barwood"), Stoneham 80, Boston, Mass.
See adv index at end of book
Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book

10491— Pads (Packing)

AMERICAN FOREST PRODUCTS CO., 24th & Race, Phila., Pa.
See adv index at end of book
ATLANTIC EXCELSIOR MFG. CO., 507-509 W 30th, New York
See adv index at end of book
Boston Excelsior Co., 562 W 29th, New York City
Brawley T. R. (Felt), 270 20th, Brooklyn, New York *See adv index at end of book*
Burrows R. N. (For Egg Crates), Petaluma, Cal.
Continental Felt Co., 64-66 E 11th, New York *See adv index at end of book*
EXCELSIOR WRAPPER CO., 224 W Kinzie, Chicago, Ill.
See adv index at end of book

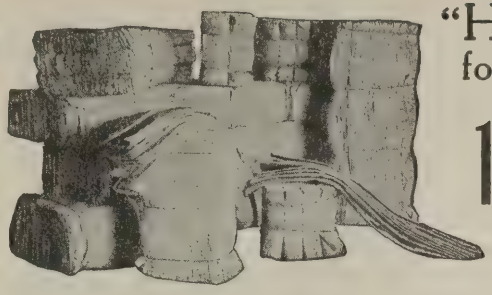
Excelsior Wrapper Co.
Baled Excelsior
Wood Wool
Pioneer Manufacturers of
Excelsior Packing Pads
224 WEST KINZIE STREET
CHICAGO, ILL.
Grand Rapids, Mich. Sheboygan, Wis.

Maish Chas. A. Co. (Furniture), 1125 Bank, Cincinnati, O.
Monarch Felt Works (Felt), 39-45H York, Brooklyn, N. Y.

EXCELSIOR

PACKING PADS

Baled Excelsior
Wood Wool Pads
Wood Wool



"Headquarters" for packing pads

12 SHIPPING OFFICES

One sure to be near you

Write, phone, or wire the nearest main office

Atlantic Excelsior Co.
507 W. 30th St.
New York

American Forest Prod. Co.
24th and Race Sts.
Philadelphia, Pa.

H. W. Selle & Co.
1000-1020 N. Halsted St.
Chicago, Ill.

Manufacturers—Not Jobbers

Oshkosh Excelsior Mfg. Co. (Furniture), Oshkosh, Wis.
Page Geo. G. Box Co. (Corrugating Packing), Cambridge, Mass.
Philadelphia Excelsior Co., 716 N 3rd, Phila., Pa.
Rochester Pad & Wrapper Co., Rochester, N. Y.
SELLE H. W. & CO. (Excelsior), 1000-1020 N. Halsted, Chicago, Ill.
See adv index at end of book
Sheboygan Pad Co. (Furniture), Sheboygan, Wis.

10492— Pads (Stamp)

Carter's Ink Co., E Cambridge, Boston, Mass.
Century Rubber Stamp Works, 551 Pearl, New York
Fulton Specialty Co., 128-142H Fulton, Elizabeth, N. J.
Jiffy Products Co., Inc. ("Jiffy" Mohair), 1240 S Main, Los Angeles, Cal.
Kee Lox Mfg. Co., Rochester, N. Y.
Laughton Pad Co., Westfield, Mass.
Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa.
See adv index at end of book
Moss Theo. Co., Inc. ("Themco"), 349 Adams, Brooklyn, N. Y.
Superb Stamp Pad Co., Auburn, N. Y.
Swisher R. D. Mfg. Co., 415H S Clinton, Chicago, Ill.
Volger B. G. Mfg. Co. ("Excelsior," "New Departure"), Passaic, N. J.

10493— Pads (Sweat)

American Pad & Textile Co., Greenfield, O.
Burlington Blanket Co. ("Ventiplex"), Burlington, Wis.
Powers Mfg. Co., Waterloo, Ia.
Schott J. B. Saddlery & Mfg. Co., Quincy, Ill.
Schwahn-Seybeth Mfg. Co., Eau Claire, Wis.
Southern Sweat Pad Co. (for Horses), 533 Park, Evansville, Ind.

10494— Pads (Telephone)

Atwater S. L. ("Ever Ready"), 101 Lafayette New York

10495— Pads (Tire Repair)

Burton-Wade Rubber Co., 1920 E Vernon, Los Angeles, Cal.
Empire Tire & Rubber Corp., Trenton, N. J.

10495a— Pads (Truss)

Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York.
See adv index at end of book
Estes E. B. & Sons (Wood), 364 5th av, New York *See adv index at end of book*

10496— Pads & Tablets

Adams, Cushing & Foster, 110 Federal, Boston, Mass.
Affleck Ruling & Stationery Co., Holyoke, Mass.
American Pad & Paper Co., Holyoke, Mass.
Am. Papeterie Co., Dept H, Albany, N. Y.
Bainbridge's Chas. T. Sons, 2 Cumberland, Brooklyn, N. Y.
Baughman Stationery Co., 1322 W Broad, Richmond, Va.
Bell Book & Stationery Co., 914 E Main, Richmond, Va.
Birnie Paper Co., Birnie av, Springfield, Mass.
Blade Printing & Paper Co., Toledo, O.
Blair J. C. Co., Huntingdon, Pa.
Blake-McFall Co., E 3rd & Ankeny, Portland, Ore.
Boorum & Pease Co., 84 Hudson av, Brooklyn, N. Y.
Central Paper & Tablet Co., 301 Railway av, Indianapolis, Ind.
Crunden-Martin Mfg. Co., 2d & Gratiot, St. Louis, Mo.
Cupples Samuel Envelope Co., 6th & Cerre, St. Louis, Mo.
De Pere Tablet Co., De Pere, Wis.
Earl M. J., Reading, Pa.
Eastern Tablet Co., Albany, N. Y.
Eaton, Crane & Pike Co., Pittsfield, Mass.
Eau Claire Book & Stationery Co., Eau Claire, Wis.
Essex Pad & Paper Co., Holyoke, Mass.
Fisher Bros. Paper Co., Fort Wayne, Ind.
Garden City Tablet Co., Elkhart, Ind.
Hartman E. F. Co., Springfield, Ill.
Highland Mfg. Co., Holyoke, Mass.
Holm G. A. & Bro., Mansfield, O.
Hopper Paper Co., Johnsonburg, Pa.
Hurd Geo. B. & Co., 425 Broome, New York
Illinois Printing Co., Danville, Ill.
Indiana Paper Co., Indianapolis, Ind.
Judd Paper Company, Holyoke, Mass.
Kalamazoo Stationery Co., Kalamazoo, Mich.
Ketcheson J. C., Leavenworth, Kan.
Kistler W. H. Stationery Co., 1636 Champa, Denver, Colo.
Lesh C. P. Paper Co., 121 Kentucky av, Indianapolis, Ind.
Leslie John Paper Co., 3rd av S & 5th, Minneapolis, Minn.
Longwell-Cummings Co., Loganport, Ind.
Lowman & Hanford Co., Seattle, Wash.
McClellan Paper Co., 700 S 4th, Minneapolis, Minn.
Mann Herbert R. & Co., Troy, N. Y.
Miller Fred R. Blank Book Co., Williamsport, Pa.
Minneapolis Paper Co., 4th av S & 5th, Minneapolis, Minn.
Montag Bros., Atlanta, Ga.
Myers R. M. & Co., Rochester, N. Y.
Osborn Paper Co., Marion, Ind.
Pantagraph Printing & Stationery Co., Bloomington, Ill.
Perkins Bros. Co., Sioux City, Ia.
Post Publishing Co., Appleton, Wis.
Powers Paper Co., Springfield, Mass.
Remington H. E. & Co., Fitchburg, Mass.
Reynolds & Reynolds Co., Dayton, O.
Roaring Spring Blankbook Co., Roaring Spring, Pa.
Roberts & Meck, Harrisburg, Pa.
Schmidtman's Theo. Sons Co., Manitowoc, Wis.
Smith Tablet Co., Holyoke, Mass.
Stowell Henry & Son, Troy, N. Y.
Taylor-Atkins Paper Co., Burnside, Conn.
Vernon S. E. & M., 65 Duane, New York
Ward Samuel Mfg. Co., 299 Atlantic av, Boston, Mass.
Wendt & Rausch Co., Toledo, O.
Western Tablet & Stationery Co., St. Joseph, Mo.
White & Wyckoff Mfg. Co., Holyoke, Mass.
Whiting Paper Co., Holyoke, Mass.

Pail Clasps

See Clasps (Pail)

10497— Pail Ears

Acklin Stamping Co., 1659 Dorr, Toledo, Ohio
Austin & Smith Co. (Wire), 164 Brewery, New Haven, Conn.
See adv index at end of book
Beehler Steel Products Co., 1449 N 13th, St. Louis, Mo.
See adv index at end of book
Berger Bros. Co. (Pail Ears, Pans, Kettles, etc.), 229 Arch, Phila., Pa.
Berger L. D. Co., 59 N. 2nd, Phila., Pa.
Bingham Stamping & Tool Co., Post & Albion, Toledo, Ohio
See adv index at end of book
Central Stamping Co., 206 B'way, New York
Dover Stamping & Mfg. Co., Cambridge, Mass.
Forsyth Metal Goods Co. (& Tub Ears), E Aurora, N. Y.
Holland Mfg. Co. (Pail & Tub), Central av. & Bank, Baltimore, Md.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Parker Wire Goods Co. (Wire Rail & Tub). Worcester, Mass.
Pratt Wm. E. Mfg. Co. (Tinned), 35 W Lake, Chicago, Ill.
Titchener E. H. & Co., Binghamton, N. Y.
Titchener-Diehl Co. (& Tub Ears), 1844-48 W Austin av, Chicago, Ill
Townsend Co., New Brighton, Pa.
Townsend G. G., Winchendon, Mass.
Troy Stamping Works, Troy, N. Y.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

10497a— Pails (Acid)

(Names with * also manufacture Monel Metal)

*Beckley Perforating Co., Garwood, N. J.
*Cleveland Wire Cloth Co., Cleveland, O.
*Davidson Mfg. Co., Ltd., Thos., 187 Delisle, Montreal, Canada
*Emerson & Sack, 77 Haverhill, Boston, Mass.
*Everitt Co., 275 Franklin, Boston 9, Mass.
*Geuder, Paeschke & Frey Co., Milwaukee, Wis.
*Giles Dyeing Machinery Co., N. Phila-delphia, Pa.
*Gustafson & Schwartz, 39 Haverhill, Boston, Mass.
*Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book

INCo
Monel metal
ACID PAILS
All Alkalis, most Acids, and many Chemicals can be handled to best advantage in these pails.
Write for details.
SEE OUR INSERT AT MONEL METAL
THE INTERNATIONAL NICKEL COMPANY
67 Wall Street New York, N.Y.

(Continued on following page)

Pails (Acid)—Continued

*Jelliff Mfg. Corp. C. O., Southport, Conn.
*Koven & Bro. L. O., 154 Ogden av, Jersey City, N. J.
*Liberty Coppersmithing Co., Philadelphia, Pa.
*Magosy & Buscher, 232 Canal, New York
*Munning & Co., A. P., Matawan, N. J.
*Schaefer Co. Emil, 1320 N 5th, Philadelphia, Pa.
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co., John P., New Haven, Conn.
*Smith, Drum & Co., Philadelphia, Pa.
*Standard Plating Works, 288 1st, San Francisco, Calif.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co. W. S., Cleveland, O.
*Wahmann Mfg. Co. Geo. H., Baltimore, Md.

10498— Pails (Aluminum)

Aluminum Goods Mfg. Co., Manitowoc, Wis.
Buckeye Aluminum Co. ("Real Solid"), Wooster, O.
Toledo Cooker Co. (Cooker), Toledo, O.

10498a—Pails (Butcher Supply)

Cordley & Hayes, 32 Leonard, New York
See adv index at end of book
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Johnson-Morse Can Co., Wheeling, W. Va.

10499— Pails (Candy)

See also Pails & Buckets, Wood; also Pails, Shipping

Bonsfield Wooden Ware Co., 2525 Marshall, Minneapolis, Minn.
California Barrel Co., 22d & Illinois, San Francisco, Cal.
Crunden, Martin Mfg. Co. (Galvanized), 2d & Gratiot, St. Louis, Mo.
Dunning J. H. Corp. ("D. V." Seamless), 53 Park pl, New York
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Great Northern Pail Co., Gillett, Wis.
Hall Bros. Co. (30 lbs. also Jelly), West Acton, Mass.
Lyman Mfg. Co., Warren, O.
Menasha Wooden Ware Co. (Wooden), Menasha, Wis.
New England Box Co., 104 E. 42nd, New York *See adv index at end of book*
Northwestern Wooden Ware Co., 2001 Dock, Tacoma, Wash.
Ohio Pail Co. (Wood), Middlefield, O.
Peoria Can Co. (Plain or Decorated), Peoria, Ill.
Richmond Cedar Works ("Anchor Brand," White Cedar & Cypress), Fulton, Richmond, Va.
Wheeling Corrugating Co., Wheeling, W. Va.

10500—Pails (Cement & Navy)

Fidelity Can Co., 600H S Caroline, Baltimore, Md.
McLaughlin Co., Inc. (Cement), Brockford, N. Y.
Wheeling Corrugating Co., Wheeling, W. Va.

10500a—*Pails (Collapsible)

(See also Buckets & Pails, Collapsible)

Stanley Wm. W. (For Automobiles), 62 White st, New York

10501-2— Pails (Commode)

See also Tinware Mfrs.

Central Stamping Co. ("Puritan"), 206 B'way, New York
Lalance & Grosjean Mfg. Co., 299 B'way, New York
National Enameling & Stamping Co., 411 5th av, New York
Northwestern Stamping Co. ("Pierce's" Sanitary), Burlington, Ia.
Rochester Can Co. ("Iron Horse" Galvanized), 89 Hague, Rochester, N. Y.
Rochester Stamping Co., Rochester, N. Y.
Teepe J. Chas., Inc., Mott & Vernon aves, Long Island City, N. Y.

10503— Pails (Dairy)

Atlantic Stamping Co. ("Atlantic" Tin), 156-180 Ames, Rochester, N. Y.
Brown Stamping Co., Toledo, O.
Buhl Stamping Co., Scotten & M C RR, Detroit, Mich.
Central Stamping Co. ("Puritan"), 172 Fulton, New York
Cordley & Hayes, 32 Leonard, New York
See adv index at end of book
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Lisk Mfg. Co. (Ltd.) ("Lisk" Anti Rust), Canandaigua, N. Y.
McLaughlin Co., Inc., Brockport, N. Y.
National Enameling & Stamping Co., 411 5th av, New York
Pacific Stove & Stamping Co., Idaho & Duwanish av, Seattle, Wash.
Peoria Can Co., Peoria, Ill.
Phillips & Buttorff Mfg. Co. ("Strainer"), Nashville, Tenn.
Rochester Can Co. ("Iron Horse" Galvanized), 89 Hague, Rochester, N. Y.
Rochester Stamping Co., Rochester, N. Y.

10504— Pails (Dinner, Etc.)

Atlantic Stamping Co., 156-180 Ames, Rochester, N. Y.
Behrens H. Mfg. Co., Winona, Minn.
Buckeye Aluminum Co. ("Real Solid" Aluminum Sectional), Wooster, O.
Central Stamping Co. ("U. S."), 206 B'way, New York
Dooley Bros. (Jobbers), 1201 S Washington, Peoria, Ill.
Lalance & Grosjean Mfg. Co. (Enameled Iron, Tin, etc), 299 B'way, New York
Leonard T. F. Co. ("Leonard"), 505 Lacawanna av, Scranton, Pa.
National Enameling & Stamping Co. ("Acme," "Aurora"), 411 5th av, New York
Peoria Can Co., Peoria, Ill.
Pittsburgh Tinware Mfg. Co. ("Tinco"), Bidwell, Pittsburgh, Pa.
Strong Mfg. Co. (Miners, etc), Sebring, O.
Sullivan-Geiger Co. ("IX," "Boss" Round Miners'), Indianapolis, Ind.

10505— Pails (Fibre)

Cordley & Hayes ("Fibrotta" Fire, Jelly, Mince Meat, Packing, Peanut Butter, Mustard, Pickle, Stable, Factory, Canners, Deck, Mill), 32 Leonard, New York
Fibre Corporation ("Fibrotta," "Lily Star"), Lockport, N. Y.
NATIONAL PAPER PRODUCTS CO. ("Purity" Oyster & Ice Cream), 528 Battery, San Francisco, Cal.
Toledo Fibre Package Co., Toledo, O.

10505a— Pails (Fire)

See also Buckets, Fire; Pails, Galvanized Iron; also Pails, Fibre

DIENER GEO. W. MFG. CO., 400-420 Monticello av, Chicago, Ill.
See adv index at end of book

10506— Pails (Foundry)

Osborn Mfg. Co., 5401 Hamilton av, Cleveland, O.
Richmond Cedar Works ("J. I. C.," Heavy Oak), Fulton, Richmond, Va.
Rochester Can Co. ("Iron Horse" Galvanized), 89 Hague, Rochester, N. Y.
Steel Basket Co. (Corrugated Steel), Cedar Rapids, Ia.

10507—Pails (Galvanized Iron)

AMERICAN CAN CO., 120 Broadway, New York
See adv index at end of book
Atlantic Stamping Co., 156-180 Ames, Rochester, N. Y.
Boyle Mfg. Co., 5100 Santa Fe av, Los Angeles, Cal.
Brown Stamping Co., Toledo, O.
Buhl Stamping Co., Scotten & M C RR, Detroit, Mich.
Central Stamping Co., 206 B'way, New York
Cincinnati Galvanizing Co., Chickering & Spring Grove, Cincinnati, O.
Clark W. J. Co., Salem, O.
Coonley Mfg. Co., Cicero, Ill.
Crunden-Martin Mfg. Co. (Fire, Water, Mule, etc), 2d & Gratiot, St. Louis, Mo.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Dressel Railway Lamp Works, 3860 Park av, New York
Dunlap John Co., Carnegie, Pa.
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Fitts Frank E. Mfg. & Supply Co. (Heavy), 88 Purchase, Boston, Mass.
GEUDER, PAESCHKE & FREY CO., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Hill Jas. Mfg. Co., 52 Westfield, Providence, R. I.
Kraft A. C., 323 W Lake, Chicago, Ill.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Lisk Mfg. Co. (Ltd.) ("Lisk" Aluminum Galvanized), Canandaigua, N. Y.
McLaughlin Co. Inc., Brockport, N. Y.
Metal Products Corp., 49 Chestnut, Weehawken, N. J.
National Enameling & Stamping Co., 411 5th av, New York
New England Enameling Co. (Water, Fire, etc), Middletown, Conn.
Pacific Stove & Stamping Co., Idaho & Duwanish av, Seattle, Wash.
Pritchard Stamping Co., Rochester, N. Y.
Republic Metalware Co., 100 Alabama, Buffalo, N. Y.
Rex Harris Fire Appliance Co., 310 W 39th, New York
Rochester Can Co. ("Iron Horse"), 89 Hague, Rochester, N. Y.
Rochester Stamping Co., Rochester, N. Y.
Sexton Can Co. (Fire, etc), 123 Broad, Boston, Mass.
Steel Basket Co., Cedar Rapids, Ia.
Wall P. Mfg. Supply Co., 705 Preble av, N S, Pittsburgh, Pa.
Wheeling Corrugating Co., Wheeling, W. Va.

10508-9— Pails (Garbage)

See also Cans, Ash & Garbage

AMERICAN CAN CO., 120 Broadway, New York
See adv index at end of book
Atlantic Stamping Co., 156-180 Ames, Rochester, N. Y.
Boyle Mfg. Co. ("Boyco"), 51st & Santa Fe av, Los Angeles, Cal.
Buhl Stamping Co., Scotten & M C RR, Detroit, Mich.
Central Stamping Co., 206 B'way, New York
Cincinnati Galvanizing Co. ("King" Corrugated), Chickering & Spring Grove, Cincinnati, O.
Cordley & Hayes, 32 Leonard, New York
See adv index at end of book
Dover Stamping & Mfg. Co. ("Galvanized"), Cambridge, Mass.
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
GEUDER PAESCHKE & FREY CO., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Kraft A. C., 323 W Lake, Chicago, Ill.
McLaughlin Co. Inc., Brockport, N. Y.
Metal Products Corp., 49 Chestnut, Weehawken, N. J.
National Enameling & Stamping Co., 411 5th av, New York
New England Enameling Co. (Galvanized), Middletown, Conn.
Pacific Stove & Stamping Co., Idaho & Duwanish av, Seattle, Wash.
Rochester Can Co. ("Iron Horse"), 89 Hague, Rochester, N. Y.
Rochester Stamping Co., 176 Anderson av, Rochester, N. Y.
Wheeling Corrugating Co., Wheeling, W. Va.
WITT CORNICE CO. ("Witt," "Brighton" Corrugated), 2118 Winchell av, Cincinnati, Ohio
See adv index at end of book

10510— Pails (Milk)

(Names with * also manufacture Monel Metal)

*Beckley Perforating Co., Garwood, N. J.
*Cleveland Wire Cloth Co., Cleveland, O.
Cordley & Hayes, 32 Leonard, New York
See adv index at end of book
Creamery Package Mfg. Co. ("Duro," "Ideal"), 61 W Kinzie, Chicago, Ill.
Dover Stamping & Mfg. Co. ("Sterilac"), Cambridge, Mass.
*Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp., C. O., Southport, Conn.
Lalance & Grosjean Mfg. Co. (Enameled Iron), 299 B'way, New York
*Magosy & Buscher, 232 Canal, New York
Menasha Woodenware Co. (Wooden), Menasha, Wis.
*Munning & Co., A. P., Matawan, N. J.
National Enameling & Stamping Co., 411 5th av, New York
Peoria Can Co. (Tin), Peoria, Ill.
Richmond Cedar Works ("Anchor Brand," White Cedar), Fulton, Richmond, Va.
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co., John P., New Haven, Conn.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co., W. S., Cleveland, O.

10511—Pails (Milk Strainer, Etc.)

Names with * also manufacture Monel Metal

Atlantic Stamping Co ("Atlantic" Sanitary Dairy, All Tin), 156-180 Ames, Rochester, N. Y.
*Beckley Perforating Co., Garwood, N. J.
Central Stamping Co. ("Puritan"), 206 B'way, New York
*Cleveland Wire Cloth Co., Cleveland, O.
*Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 DeKalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp. C. O., Southport, Conn.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Lisk Mfg. Co. (Ltd.) ("Lisk Anti-Rust"), Canandaigua, N. Y.
*Magosy & Buscher, 232 Canal St., New York
McLaughlin Co., Inc., Brockport, N. Y.
*Munning & Co. A. P., Matawan, N. J.
Peoria Can Co., Peoria, Ill.

Schlueter Mfg. Co., B'way & John av, St. Louis, Mo.
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co. John P., New Haven, Conn.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co. W. S., Cleveland, O.

10511a—*Pails (Miniature, Wooden)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

10512— Pails (Mortar)

Richmond Cedar Works ("Anchor Brand," Heavy Oak), Fulton, Richmond, Va.

10513— Pails (Paper)

Bloomer Bros. Co. (Ice Cream & Oyster), Newark, N. Y.
Dunning J. H. Corp. ("D. V. Seamless"), 53 Park pl, New York
NATIONAL PAPER PRODUCTS CO. ("Purity" Oyster & Ice Cream), 528 Battery, San Francisco, Cal. *See adv index at end of book*
O. K. Paper Pail Co. (Oyster, Ice Cream, etc), Middletown, O.

Pails (Rubber)

See Buckets, Fire, with the word Rubber following their name

10514— Pails (Sap)

Conneaut Can Co., Conneaut, O.
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Menasha Wooden Ware Co. (Wooden), Menasha, Wis.
Peoria Can Co., Peoria, Ill
Wheeling Corrugating Co., Wheeling, W. Va.

10515—Pails (Shipping & Packing)

Cordley & Hayes, 32 Leonard, New York *See adv index at end of book*
Crunden-Martin Mfg. Co. ("C. M." Metal Candy & Stock Food), 2d & Gratiot, St. Louis, Mo.
Menasha Wooden Ware Co. (Wood, for **Candy, Tobacco, Lard, Stock Food, Cocoanut, Pigs Feet, Pickles, Grease, Fish & Jelly Packages, Cheese Boxes,** etc), Menasha, Wis.
New England Box Co., 104 E 42nd, New York *See adv index at end of book*
Wheeling Corrugating Co., Wheeling, W. Va.

10516— Pails (Steel, Shop)

Breese Bros. Co., The, 2349 Reading road, Cincinnati, O. *See adv index at end of book*
Cleveland Wire Spring Co. (Sheet Steel), 1281 E 38th, Cleveland, O.
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis. *See adv index at end of book*
Kraft A. C., 323 W Lake, Chicago, Ill.
OHIO MFG. CO., P. O. Box 146, Painesville, O. *See adv index at end of book*
Steel Basket Co. (Corrugated), Cedar Rapids, Iowa

10517— Pails (Tar)

Clark W. J. Co., Salem, O.
Fidelity Can Co., 600H S Caroline, Baltimore, Md.

10518— Pails (Tin, Lard)

AMERICAN CAN CO., 120 B'way, New York *See adv index at end of book*
Brecht Co., 1201 Cass av, St. Louis, Mo.
Colonial Can Co., 120 Milk, Boston, Mass.
Conneaut Can Co., Conneaut, O.
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Johnson-Morse Can Co., Wheeling, W. Va.
Metal Package Corp. of New York, 509 5th av, New York *See adv index at end of book*
New Can Co., 326 A, Boston, Mass.
Pague Mfg. Co., 29th & Southwest blvd, Kansas City, Mo.
St. Louis Butchers' Supply Co., 1543 N 15th, St. Louis, Mo.
Sexton Can Co., 123 Broad, Boston, Mass.
U. S. Can Co. (Plain & Decorated), 2510 Highland av, Cincinnati, O.
Wheeling Corrugating Co., Wheeling, W. Va.

Pails (Waste)

See Cans, Waste

10518a— *Pails (Water)

See also Pails, Fibre; Pails, Galvanized Iron; also Pails & Buckets, Wood
Cordley & Hayes (Fire), 32 Leonard, New York
Pittsburgh Tinware Mfg. Co. ("Tinco"), Bidwell, Pittsburgh, Pa.
Rochester Can Co. ("Iron Horse" Galvanized), 89 Hague, Rochester, N. Y.

10519—Pails & Buckets (Tin)

Allnutt B. F., 127 S Green, Chicago, Ill.
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Franklinville Canning Co., Franklinville, N. Y.
Pittsburgh Tinware Mfg. Co. ("Tinco" Kitchen), Bidwell, Pittsburgh, Pa.

10520—Pails & Buckets (Wood)

Ashtabula Pail Co. (Basswood), Ashtabula, O.
Beaver Mills, Keene, N. H.
California Barrel Co., Dept. H, 22d & Illinois, San Francisco, Cal.
Carr Pail & Package Co., Ashby, Mass.
Corry Pail Co., Corry, Pa.
English Mfg. Co., Antigo, Wis.
Florida Woodenware Co., Palatka, Fla.
General Package Mfg. Co., Aberdeen, Wash.
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul, Milwaukee, Wis. *See adv index at end of book*
Hall Bros. Co., West Acton, Mass.
Keene Woodenware Co. (Wood Pails), Keene, N. H.
Lane C. L., East Swanzey, N. H.
Lown & Son ("J. I. C." Cedar), Poughkeepsie, N. Y.
McVoy Tub Pail & Package Co. (Lard, Candy, Pickle, etc., Tubs & Pails), 11th av, N E & Water, Minneapolis, Minn.
Menasha Wooden Ware Co. (Horse, Shipping, etc), Menasha, Wis.
Murdock E. Co. (Pails & Tubs), Winchendon, Mass.
New England Box Co. (For Candy, Lard, Stock-food, Cocoanut, Grease, Fish, Jelly, Spices & Mince Meat), 104 E 42nd, New York
Northwestern Wooden Ware Co., 2001 Dock, Tacoma, Wash.
Pierpont Mfg. Co. (Oyster Pails, Red Cedar & Cypress Water Pails), Savannah, Ga.
Richmond Cedar Works ("Anchor Brand," White & Red Cedar for Every Purpose), Fulton, Richmond, Va.
St. Louis Cooperage Co. ("J. I. C." Cedar), ft. of Arsenal, St. Louis, Mo.
Union Cooperage Co., 2d & Penrose, St. Louis, Mo.

10521—Pails & Cans (Syrup)

Am. Can Co. ("Record"), 120 B'way, New York *See adv index at end of book*
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Los Angeles Can Company, 303 San Fernando, Los Angeles, Cal. *See adv index at end of book*
Metal Package Corp. of N. Y., 110 E 42nd, New York *See adv index at end of book*
Peoria Can Co., Peoria, Ill.

10522— Paint (Anti-Stick)

Anti-Stick Co., Westerville, O.

10523— Paint Burners

American Stove Co. ("Reliable," "Quick Meal" Gasoline), 827 Chonteau av, St. Louis, Mo.
Ashton Mfg. Co., Newark, N. J.
Best Light Co., 477 2nd, N E, Canton, O.
Brand Chas. F., 16th & Jacob, Wheeling, W. Va.
Cambria Paint & Color Co., Johnstown, Pa.
Clayton & Lambert Mfg. Co., 1370-80 Beaubien, Detroit, Mich.
Macleod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Sun Vapor & Gas Street Light Co., Canton, O.
Turner Brass Works (Gasoline & Kerosene), Sycamore, Ill.

10524—Paint Grinders (Dry Material)

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York *See adv index at end of book*
National Engineering Co., 549 W Washington blvd, Chicago, Ill.
Sprout, Waldron & Co., Muncy, Pa. *See adv index at end of book*
U. S. Gutta Percha Paint Co., 12-30 Dudley, Providence, R. I.
Wilbur J. Co., Office: Providence, R. I. **Factory: Phila., Pa.**
Wilson Bros., Easton, Pa. *See adv index at end of book*

10525— Paint Mfrs.

For Special Kinds of Paints, see Sub-Classifications following this trade

ALABAMA.

BIRMINGHAM—Birmingham Paint & Glass Co.

CALIFORNIA.

BERKELEY—West Coast Kalsomine Co. ("Wesco"), 5th & Grayson
EMERYVILLE—*Sherwin-Williams Co. of Cal.
HUNTINGTON PARK—American Luminous Products Co. ("Radio"), Watts
LOS ANGELES—American Copper Products Co. ("Kopperall"), 606 S Hill
American Paint Products Co. ("Indian Chief"), 600 W Bellgrave
Avalon Paint Co., 2127 Santee
Bass-Hueter Paint Co., 117 Welhardt
Bohan E. R. & Co., 130 E 9th
Bradley-Wise Paint Co. ("Bradleys"), 49th & Pacific blvd.
Brininstool Co., 908 S Main
Cane Paint Co., 329 E 9th
Columbia Varnish Co., 2460 E 24th
Elaterite Varnish & Rubber Co. ("Elaterite"), 55th & Alameda
Fuller W. P. & Co., 135 N Los Angeles
Green-Marshall Co. ("Green-Marshall"), 1620 E 14th
Ironite Paint & Varnish Co. ("Ironite"), 2485 Hunter
Jefferson Paint Co., 116 E Jefferson
Kennedy L. C. Paint Co. ("Kenco"), 2426 E 15th
McGrew Paint Mfg. Co., 2324 E 37th
Mathews Paint Co., 219 S Los Angeles
Oakley Paint Mfg. Co., 727 Antonia
O'Brien Fred'k Varnish Works, 2010 E Slauson
Peck E. C., 1033 Mission rd
Prudential Paint & Color Co., 2460 E 24th
Remolite Paint Co., Inc., 2019 E 38th
Sarlow Paint & Varnish Co., 300 N Los Angeles
Scriver & Quinn, 2d & Main
Super-Test Products Co. ("Super-Test"), 2416 E 14th
T. O. Mfg. Corp., 534 Mateo
Tibbetts H. R. Paint Co., 1620 E 14th
Tibbetts-Westerfield Paint Co. ("T-W. P."), 2435 E 26th
MODESTO—Woodtite Laboratories
OAKLAND—California Paint Co. ("Cal-Pa-Co.," "12 Test"), 1797 12th
Fire Retardent Products Co. ("Retardo"), 2838 Hannah
Gibson Paint Co., 1645 E 12th
Horton A. L. Paint Co., 4453 E 14th
Liberty Auto Co. ("Ry-Namel"), 1750 E 12th
Sterling Paint Co.
SAN FRANCISCO—American Marine Paint Co. ("Cape Cod" & "Germicide Composition"), 311 California
Bass-Hueter Paint Co., 816 Mission
Biturine Co., 1 Drumm
Bredell Composition Co., 818 Mission
Certain-teed Products Corp., 305 Montgomery
De Boom Paint Co., 521 Commercial
Douglas L. A. ("Ivoroid" Auto Paint), 1288 Mission
Everard-Yates Paint Co., 470 Treat av
Fuller W. P. & Co., 301 Mission
Glidden Co. of California, 123 Hooper
Goldberg Garrett M. & Co. ("G. M. G."), 1019 Mission
Hill Hubbell & Co., 115 Davis
Hoff Magnesite Co., 333 Monadnock bldg
Magner Bros., 414 9th
Maher Dan P. Co. ("Mahers' "), 677 Folsom
Martin-Senour Co., 712 Sansome
Masury John W. & Son, 1062 Mission
Moran Paint & Oil Co., H, 383 Brannan
Nason R. N. & Co., 151 Potrero av
National Paint & Oil Co., 159 2nd
Pacific Oil & Lead Works, 155 Townsend
Paraffin Co.'s, Inc. ("Pabco" Paints) 475 Brannan
Patton-Pitcairn Division Pittsburgh Plate Glass Co., 965 Mission
Roman Paint Co. Inc. ("Roman"), H, Monadnock bldg
Sterling Paint Co., 118 1st
Supreme Paint Varnish & Enamel Co., 1375 Golden Gate av
Yates & Co., 762 Folsom
SAN JOSE—McKee Geo. B. Co. ("Balata"), 2d & San Fernando
STOCKTON—Stockton Paint Co. ("Old Mission"), 547 E Main
SUNNYVALE—Hydro Carbon Co.

COLORADO.

DENVER—McMurtry Mfg. Co., 1533 Arapahoe
McPhee & McGinnity Co
Reitze Wall Paper & Paint Co., 1725 Arapahoe
RUBEROID CO., THE (All forms of genuine Ruberoid, the original prepared roofing; Ruberoid Weatherproofing and Waterproofing Paints; Ruberoid Insulating Paints and Compounds; Ruberoid Roof Coatings), 1437 16th *See adv index at end of book*
Western Elaterite Roofing Co., Equitable bldg

CONNECTICUT.

BRIDGEPORT—Clapp Fire Resisting Paint Co., 886 Main
Crockett D. B. Co., 277 Mt. Grove
Voltax Co., 89H Reservoir av.
EAST BERLIN—Stanley Chemical Co.
HAZARDVILLE—Hazard Lead Works
NORWICH — Hammond Process Co. ("Ferox" Iron Oxide)
SOUTH NORWALK—Nash Engineering Co. ("Xyloform")
WATERBURY—Wright E. E. (Roof)

(Continued on following page)

Paint Mfrs.—Continued

DELAWARE.

WILMINGTON—Cartmell Thos. B. Paint & Glass Co.

FLORIDA.

JACKSONVILLE—Dozier & Gay Paint Co.

GEORGIA.

ATLANTA—Cooledge F. J. & Sons ("Southern Home")
Tripod Paint Co.
SAVANNAH—Butler J. C. Bldg Supply Co., Savannah, Ga.

ILLINOIS.

AURORA—Robinson Paint Co.
CHICAGO—Adams & Elting Co. ("Ad-elite"), 1835 Seward
Allen Paint & Putty Works, 334 N Ashland av
Alston Lucas Paint Co., 1029 Currier
American Wood Preserving Co., 3743 N Marshfield
Antakwa Co., 133 W Washington
Armstrong Paint & Varnish Works, 2502 S Paulina
Arnstein Eugene Paint Co., 253 N Western
Bradley & Vrooman Co., 2632 S Dearborn
Braithwaite C. W. Co. (Color Cards for Mixed Paint, etc.), 1218 W Van Buren
CHICAGO VARNISH WORKS, 2100 Elston av
Chicago White Lead & Oil Co., 1454 S Western av
Day Jas. B. & Co., 224 W. Superior
Devoe F. W. & C. T. Raynolds Co., 14 W Lake
Diamond Red Paint Co., 2750 N Lincoln
Elliott Varnish Co. (Roofing), 1013 S Kolmar av
Enterprise Paint Mfg. Co. ("Noxall" Fast Color), 333 S. Peoria
Ernecke & Salmstein Co., 944 W North av
Heath & Milligan Mfg. Co., 1832 Seward
Hockaday Co., 1831 Carroll
Hooker H. M. Glass & Paint Co. (Jobbers), 651 Washington blvd
Ind. Indestructible Paint Co., 1427 Belmont av
Inland White Lead Co., 741 Boston av
Martin-Senour Co., 2520 Quarry
Nubian Paint & Varnish Co., 1356 Leclaire av
Ohmlac Paint & Refining Co. ("Ohmlac"), 140 S. Dearborn
Olson & Tiligner Mfg. Co., 2280H Elston av
Otley Paint Mfg. Co. ("Eureka"), 1742 N Winchester av
Rosenbush & Solomon, Inc., 33rd & Shields av
RUBEROID CO., THE (All forms of genuine Ruberoid, the original prepared roofing; Ruberoid Weatherproofing and Waterproofing Paints; Ruberoid Insulating Paints and Compounds; Ruberoid Roof Coatings), 517 S Dearborn
See adv index at end of book
Vilas Bros., 717 S 5th av
Wadsworth-Howland Co., 225 N Carpenter
Watson Geo. E. Co., 62 W Lake
EAST ST. LOUIS—Mepham Geo. S. & Co., 20th & Lynch
Phelan-Faust Paint Mfg. Co.
JOLIET—Peeling Geo.
Star-Peerless Wall Paper Mills, 1314 Benton
MOLINE—Moline Paint Mfg. Co.

INDIANA.

EVANSVILLE—Red Spot Paint & Varnish ("Red Spot"), 1534 N 8th
HAMMOND—Hammond Asphalt Products Co.
HUNTINGTON—Flexible Paint Co.
INDIANAPOLIS—Advance Paint Co., 340 W Norwood
Burdsal A. Co., Capitol & Georgia
Indianapolis Paint & Color Co. ("Capital City"), 120 S Illinois
Sargent Paint Co., N. J. & Mass av
LIBERTY—Carter Paint Co.
MARION—Standard Paint Co.
SOUTH BEND—McHenry-Millhouse Mfg. Co.
TERRE HAUTE—Smith-Alsop Paint & Varnish Co.
VALPARAISO—Parker C. H. Co.
See adv index at end of book

IOWA.

DES MOINES—Elaterite Paint & Mfg. Co. ("Des Moines Elaterite")
FORT DODGE—Iowa Paint Mfg. Co.

KENTUCKY.

COVINGTON—Allen Anti-Rust Mfg. Co. (Roofing, Steel, Stack, Tanks, etc.), Dept H
Boehmer Albert L.
LOUISVILLE—Blatz Val Paint & Varnish Co.
Bridges-Smith & Co.
Kurfees J. F. Paint Co.
Long C. R., Jr., Co.
Louisville Lead & Color Co.
Louisville Paint Mfg. Co.
Peaslee-Gaulbert Co.
Sterling Paint & Color Co.
Strassel Gans Paint Co.

LOUISIANA.

NEW ORLEANS—American Paint Works, 428 Josephine
Bernhardt David Paint Co. (Ltd.), 321 Camp
Reeves Co., 805 Howard av

MAINE.

PORTLAND—Burgess Fobes & Co., 106 Commercial

MARYLAND.

BALTIMORE—Davis H. B. Co., Bayard & Severn
Hanline Bros., 25 S Howard
Hirshberg Paint Co., 106 W Pratt
Kaufman E. L. & Co., Liberty & Fayette
Macneal James B. & Co. (Dry Paints Only), Warner & Wooster
Miller & Graham, 21 S Gay
Murphy Chas. J. Paint Co., 406 N Calvert
National Bituminous Enamel & Paint Co., Key Highway at Lawrence, Baltimore, Md.
Popplein G. & N., 220 Guilford
Rubber Paint Co., c Warner & Wooster
Selm Henry & Co., Fayette & Howard

MASSACHUSETTS.

AMESBURY—Grieves C. S. Paint Co.
ARLINGTON—Oxidite Mfg. Co.
BOSTON—**CABOT SAMUEL, INC.** ("Flexiblac," "Blacquer" Black, "Double White" White), 141 Milk
See adv index at end of book
Carpenter-Morton Co., 77 Sudbury
Chadwick-Boston Lead Co.
Cook Paint & Varnish Co., 1319 Grand av
Davis S. H. Co. (Dlr.), 68 Portland
Dexter Bros. Co., 105 Broad
Gould & Cutler, 45 Sudbury
King E. & F. & Co., Inc., 367 Atlantic av
New England Oil, Paint & Varnish Co., Waters av
Polygon Products Co. ("Langon"), 141H Milk
Prince James H. Paint Co., 5 Lancaster
RUBEROID CO., THE (All forms of genuine Ruberoid; the original prepared Roofing; Ruberoid Weatherproofing and Waterproofing Paints; Ruberoid Insulating Paints and Compounds; Ruberoid Roof Coatings), 10 High
See adv index at end of book
Underhay Oil Co., 73 Batterymarch
Wadsworth, Howland & Co. ("Bay State"), 141 Federal
Wheeler Asahel Co., 53 High
CHELSEA—Nico Varnish Co.
EVERETT—Briggs Maroney Co. Inc. ("Champion," "Reflex," "Steel Gard"), 85 Paris
GLOUCESTER—Henderson & Johnson
Tarr Jas. H. Co. (Copper & Iron Marine)
Tarr & Wonson (Marine)
NEW BEDFORD—Brightman Bros.
Kirby Geo., Jr., Paint Co.
NORFOLK DOWNS—Means & Thatcher
SALEM—Philbrick L. B.
SPRINGFIELD—Hampden Paint & Chemical Co. ("Hampden," Green, etc)
WATERTOWN—Waterproof Paint Co.
WELLESLEY—Wood's Henry Sons Co.

MICHIGAN.

BELDING—Knapp E. J. & Co.
DETROIT—Acme White Lead & Color Works, 8250 St. Aubin
Boydell Bros. White Lead & Color Co. Industrial, Special, etc.), 432H E. Lafayette
Detroit Graphite Company, 518 12th
Detroit White Lead Works, 560 E Milwaukee
Dibble Color Co., 445 Larned
Ditzler Color Co., 40 Baltimore av W
Frazer Paint Co., Hubbard & M. C. R. R.
Insulating Materials Co., 805H Wesson av
Peninsular Paint & Varnish Co., St. Aubin & M C RR
Rinshed Gagnier Paint Co. (Industrial), 164 E. Congress, Dept H
Rinshed Mason Co. (Industrial Jobbers), Milford & P. M. R. R., Dept H.
Trus-con Laboratories, Caniff & Grant RR
FLINT—Flint Varnish & Color Works
HILLSDALE—O'Meara Bros.
HUDSON—Neptune Paint Co.
KALAMAZOO—Lakey A. L. Co. (Mixed)

MINNESOTA.

MINNEAPOLIS—Atlastic Paint Mfg. Co. ("Atlastic" Ready Mixed & Ground in Oils, "Snowhite" Undercoat), 1007 Marquette av
Conrad Wood Preserving Co. (Iron & Wood Bridge, Barn & Warehouse), 118 Plymouth av
Frost Paint & Oil Co., 1209-11 Tyer N E
Maire Paint Co. (Maire's Indestructible Roof Preserver), 329 Boston blk
Minn. Linseed Oil Paint Co., 1101 S 3rd
RUBEROID CO., THE (All forms of genuine Ruberoid; the original prepared Roofing; Ruberoid Weatherproofing and Waterproofing Paints; Ruberoid Insulating Paints and Compounds; Ruberoid Roof Coatings), 1146 Plymouth bldg
See adv index at end of book
ST. PAUL—Blood T. L. & Co., 413 Wacouta
Farwell, Ozmun, Kirk & Co., (Barn, House, etc.)
St. Paul White Lead & Oil Co. ("Lion" Brand), Water & Starkey
WINONA—Forster Paint & Mfg. Co.

MISSOURI.

CAPE GIRADEAU—Matteson Paint Co.
KANSAS CITY—Bettes A. O. Mfg. Co. ("Ideal" Gold & Aluminum), 1008 Union
Pittsburgh Plate Glass Co. (Also Whol. Dlrs), 5th & Wyandotte
Sewall Paint & Glass Co., 1009 W 8th
Southwestern Paint & Varnish Co., 610 B'way
ST. LOUIS—Becker-Moore Paint Co., 1608 S 2nd
Campbell Glass & Paint Co., 106 Gratiot
Certain-teed Products Co. ("Certain-teed" Porch, Deck, Auto, Garage, Wagon, Barn, Implements & Metal), Dept H, Boatman's Bank bldg
City Paint & Varnish Co., 1419 Franklin
Dixon Joseph Crucible Co. (of Jersey City, N. J.), Victoria bldg.
Eberson Lindsley Paint Co. (House & Barn), 1830 Morgan
Kent & Purdy Paint Co. (House & Barn), 307 N Main
Mar-Kay Mfg. Co., 2715 S 2nd
Mechanics Paint Co., 715 Franklin
Missouri Paint & Varnish Co., 514 De Sota
Mound City Paint & Color Co., 217 S Garrison
Phelan-Faust Paint Mfg. Co. (House & Barn), 1008 Pine
Platt & Thornburgh Paint Co. 620 Franklin
Rower-Beine Paint Mfg. Co., 1524 N 15th
RUBEROID CO., THE (All forms of genuine Ruberoid; the original prepared Roofing; Ruberoid Weatherproofing and Waterproofing Paints; Ruberoid Insulating Paints and Compounds; Ruberoid Roof Coatings), 7th & Pine
See adv index at end of book
St. Louis Surfacer & Paint Co. ("Metal-steel"), Arlington & Terminal & Belt Line
Vane-Calvert Paint Co., 1601 N B'way
Winchester-Simmons Co., 9th & Spruce

NEBRASKA.

LINCOLN—Nebraska Paint & Lead Co.

NEW JERSEY.

BRIDGETON—Shaw John P. & Co
CAMDEN—Clement Coverall Co. ("Coverall")
Waterall Wm. & Co.
GIBBSBORO—Lucas John & Co.
HOBOKEN—Hoboken White Lead & Color Works, Willow av & 14th
IRVINGTON—Rice S. E. M. Filler Co. "Superior" "Red Setter" Metallic Barn & Fence)
JERSEY CITY—Aspinwall Geo. H. (Inc.), Cornelison av
Aspinwall Geo. H. (Inc.), 134 Halliday
Bielenberg A. Co., 18-24 Ash
Dixon Joseph Crucible Co.
N. J. Paint Works, Wayne (Louderbough, Hy., Prop.)
Stowell Mfg. Co., 240 Culver av
Woolsey C. A. Paint & Color Co., 490 Grand

NEWARK—Armitage John L. & Co., 54 Dawson
Goheen Corp. of N. J. (Carbonizing Coating), 202 Emmett
Herrmann Morris & Co., 878 Mt. Prospect av
Hetzel J. G. (Est. of), 67 Main
Patton Paint Co., ft Chester av
Sherwin-Williams Co., Brown
Solar Compounds Corp. ("Soldura"), Stockton
NEW BRUNSWICK—Watson J. D. & Co.
PATERSON—Norwood & Berdau
RIDGEWOOD—Ever-Ready Oil Co. (Leak-Proof)
STEWARTSVILLE—North Jersey Paint Co.

NEW YORK.

ADAMS—Rice A. L.
AUBURN—Messenger F. H. Co.
BEACON—Hammond Benj.
BINGHAMTON—Haskell & Davids, 229 Water
BUFFALO—Beaver Board Companies (Interior), Beaver rd
Buffalo Oil Paint & Varnish Co, 24 Evans
Century Mfg. Co., 272 W Genessee
International Products Co., 272 Genessee
Mets P. A. Paint Co., 769 Clinton
Vulcanite Roofing Co. ("U. & P." Roofing), Beaver rd
CLINTON—Clinton Metallic Paint Co. ("Clinton"), Dept. H
COTTEKILL—NICHOLS GEO. W. PAINT CO. (Everything in Paint)
ELLENVILLE—Ulster Paint Works
FISHKILL ON THE HUDSON—Hammond Benjamin
FULTON—McHenry Millhouse Mfg. Co.
ITHACA—Driscoll Bros. & Co. (Distributors "Tower")
JAMESTOWN—Jamestown Wood Finishing Co.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Brown Chas. H. Paint Co., 262 Fulton
Cheesman-Elliot Co., Inc., 23 Flatbush av
Childs Chas. M. & Co. (Inc.), 43 Summit
Colonial Works, 233 Norman av
Continental Varnish Co., 133 Ingraham
Debevoise Company, 968 Grand
Devoe F. W. & C. T. Raynolds Co., 565 Smith
Eakins J. S. & W. R., 12 Wallabout
Eureka Chemical Co., 970 Grand av
Ingersoll O. W., 243 Plymouth
King Wm. H., 118 9th
Leavitt Louis, 454 Driggs av
Longman & Martinez, 231 N 9th
McCafferty Jas. A. & Sons Mfg. Co., 505 Driggs av
McNaughton Wm. D., 198 Lefferts pl
McQuade John & Co. (Stevens' Brick Reds, etc), 134 Clasn. av
Masury John W. & Son (Acid Resisting), 50 Jay
Montauk Paint Mfg. Co., 2nd av, cor 13th
Moore Benjamin & Co., 231 Front
Pierce F. O. Co., 30 Tiffany pl
Rosenson David, 407 Watkins
Smith J. Lee & Co., 700 Hicks
Stone Tar Products Co. (Cement) 116H S. 8th

Boroughs of Manhattan and Bronx.

NEW YORK—Abbe Paul O. Inc., 71A Murray *See adv index at end of book*
Apex Color Works, 50 W Broadway
Baer Bros., 438 W 37th
Barrett Co. (Asphalt, etc.), 40 Rector
Bredell's Composition Co., 521 Washington
Calman & Co., Emil, 100 William,
Chilton Paint Co., 81 Fulton
Devoe & Raynolds Co. Inc. ("Devoe" Lead & Zinc, Velour Finish, etc.), 101 Fulton
Dunham Thomas C., 68 Murray
Feigel M. & Bro., 185 Wooster

FOX M. EWING CO. (Water Paints & Calcimines), 241 E. 136th

Gimbel Geo. & Co. Inc., 24 Stone
Grote George W. & Co., 430 E 102d
Hemmerdinger L. & Co., 438 E 123d
Hildreth Varnish Co., 90 West
Ilsey, Doubleday & Co., 229 Front
International Composition Co. (Marine), 90 West
Leggett & Bro., 301 Pearl
Limbacher Paint & Color Works, 697 E 189th
Longman & Martines, 110 William
Manhattan Color Works ("Tem-Po-Va"), 1035 Kelly
Miller Clifford L. & Co. ("Minwax"), 280 Madison av
Minwax Co., Inc. (Technical), 18 E 41st
Morene Products Co. Inc. ("Likwid Sement" Brick), 245H W 28th
Moser Charles Co., 78 Murray
Mogul Co., 41 W 39th
Mott Haven Color Works, 395 Mott av
National Lead Co., 111 B'way
NEW JERSEY ZINC SALES CO., THE (40-40-20), 158 Front
See adv index at end of book

40-40-20
A NEW FIRST-GRADE EXTERIOR PAINT
Ask for Details of Manufacture from
The New Jersey Zinc Sales Co.

Paramount Brush & Broom Co., Inc., 100 Greenwich
Pierce F. O. Co., 12 West B'way
Prince Mfg. Co. (Double Label Mineral Brown), 165 Broadway
Reliance Paint Co., 25 Beaver
RUBEROID CO. ("Ruberoid Metal Wood & Belt Preservatives), 95 Madison av
See adv index at end of book

RU-BER-OID
Paints

Ruberoid Utility Paint
A black general purpose paint for wood, stone or metal adapted to exterior and interior work.

P & B Rapid Asphalt Paint
A quick-drying, black, acid-resisting paint for indoor or submerged work.

Ruberoid Boiler and Stack Paint
A protective and preservative paint for application to boiler fronts, metal stacks, steam pipes, etc.

Ruberoid Roof-coating
For beautifying or prolonging the life of composition roofings.

The RUBEROID Co.
95 Madison Avenue New York

Smith J. Lee & Co., 19 Jacob
Sonneborn L. Sons, 262 Pearl
Storm Waterproofing Corp., 417 5th av
Toch Bros., 320 5th av
Valentine Co., 456 Fourth av
Vulcanite Roofing Co., 110 E 42nd
Wailes Dove-Hermiston Co. ("Hermastic" Bitumastic), 17 Battery pl
Wilson J. G. Corp. (White Light Reflecting "Diffuslite"), 11 E 36th
Wix Charles & Co., 45 Vesey
Zinsser Wm. & Co., 195 William

Borough of Richmond.

NEW BRIGHTON—Muralo Company, Rich. Fer.

Borough of Queens.

LONG ISLAND CITY—Horn A. C. Co., Horn bldg
Imperial Paint Co. ("Impaco"), 80 10th
Smith Edw. & Co., 127 West av
Willey Charles A. Co., Hancock

(End of New York City)

NIAGARA FALLS—Acheson Graphite Co. (Graphite)
NORWICH—Stazon Paint Makers Inc ("Stazon")
OGDENSBURG—Rossie Iron Ore Paint Co. (Metallic)
PHELPS—Hicks A. P.
ROCHESTER—Clark Paint, Oil & Glass Humphrey's Paint Co., 24H South av
ROME—Betson Plastic Fire Brick Co. ("Hicarb")
Jones Paint Co. ("Roofcoat," "Stockote" & "Elastic Enamel," "Stopleak" & "Liquid Stopleak")
SYRACUSE—Colebrook W. H. & Sons, Semet-Solvay Co.
TONAWANDA—National Roofing Co.
TROY—Connors Wm. Paint Mfg. Co.
WAVERLY—Thomas A. H. Paint Co.

NORTH CAROLINA.

WILMINGTON—Spirittine Chemical Co. ("Spirittine")

OHIO.

AKRON—Reliance Paint Co.
CANTON—Arlington Mfg. Co. ("Richtone," "Quality," Carbonelastic"), Canton, O.
CINCINNATI—Black Diamond Mfg. Co. ("Vo-Ka-No" Black Breweries, Ice Can, etc.), 1219 Bank
Carey Philip Mfg. Co., 330 Wayne av, Lockland
Foy Paint Co., 230 E 5th
Johnston R. F. Paint Co., Pearl & Main
Kolbe John Co., 229 W 5th
Mamolith Carbon Paint Co., 2d & Main
Moser Chas. Co.
Richmond Bros., 114 W 5th
Wolf Leon L. Paint Co., 411 South Ohio Bk.
CLEVELAND—Arco Co. ("Arco Rays"), Euclid & E 65th
Billings-Chapin Co., 1163 E 40th
Bond Paint & Varnish Co., E 81st
Canfield Oil Co., 3210 E 55th
Continental Products Co., Quebec av
Eclipse Paint & Mfg. Co., 6408 Euclid
Federal Process Co.
Forest City Paint & Varnish Co., 3334 Lakeside av
Gibson Homans Co. ("Recco" Plaster), 2366 Woodhill rd, S E
Glidden Co., Madison av & Berea rd
Great Lakes Refining Co. ("Jet Black" elastic Roof & Metal), 5716 Euclid av
Hascall Paint Co., W 70th
Klein Mfg. Co., Am. Trust bldg
Lino Paint Co. ("Lino" Metal), 16908 Waterloo rd
McNairy A. B. & Co., 1163 E 40th
Manhattan Paint Co., 1348 W 70th
Monarch Paint Co., W 70th
Moore Benjamin & Co., E 71st
National Paint & Varnish Co., 8709 Kinsman rd
Patterson-Sargent Co. ("B. P. S.," "Nobrac"), 1325 E 38th
Pioneer Mfg. Co., 3053H E. 87th
Robertson Paint & Varnish Co., 9808 Meech av
Sherwin-Williams Co.
Standard Paint & Lead Wks.
Tropical Paint & Oil Co., W 70th
U. S. Refining Co., 1291 W. 11th
Vaughan Paint Co., Columbus & Big 4
Vortes Mfg. Co. ("Vorco"), W 77th
Warren Refining & Chemical Co., 9420 Meech av
COLUMBUS—Dean & Barry Co., Locust & Ludlow
Hanna Paint Mfg. Co. ("Green Seal" House Paint)
Shepard Paint Co., 19 E Long
Wrinkle Paint Mfg. Co.
DAYTON—Irvin, Jewell & Vinson Co. ("Anchor")
Kay & Ess Co.
Lowe Bros. Co.
HAMILTON—Reeder John S. (Cold Japan)
LOCKLAND—Carey Philip Mfg. Co., 330 Wayne av
MARIETTA—Marietta Paint & Color Co.
PLAINVILLE—Ferris O. J.
TOLEDO—Blayz Paint & Varnish Co. ("Blayz"), Spencer
Buckeye Paint & Varnish Co.
Dolphin White Lead & Color Works
Hardy Paint & Varnish Co. ("Har-Mountain Varnish & Color Works, Inc., Upton av
WARREN—Warren Paint Co.

OREGON.

PORTLAND—Carbolineum Wood Preserving Co., E Water & Salmon
Dunne David M. C. Co., 19th & Sherlock av
Fisher Thorsen & Co., N 29th & Nicolai
Gorton Co. ("Duralastic"), 513 N 29th
Miller Paint Co., 172 1st
Pittsburgh Plate Glass Co., 184 2nd
Portland Paint Co. ("Diamond"), 171 1st
Rasmussen Co., 2nd & Taylor

PENNSYLVANIA.

ALLENTOWN—Allentown Mfg. Co., 24 S 6th
BETHLEHEM—Bethlehem Paint Co.
Erwin Henry & Sons (Metallic)
BRIDGEVILLE—Sipe Jas. B. & Co., Dept. H
BOWMANSTOWN—Prince Mfg. Co.,
EASTON—WILLIAMS C. K. & Co. (Dry)
See adv index at end of book
FRANKLIN—Reisenman Mfg. Co. (Ltd.)
JAMESTOWN—Jamestown Paint & Varnish Co.
JOHNSTOWN—Cambria Paint & Color Co.
LANCASTER—Lancaster Paint & Glass Co.
Schroeder Paint Co.
McKEESPORT—Painter Joel T. Co.
MUNCY—Keystone Paint & Filler Co. ("Optimus")
PHILADELPHIA — American Chemical Paint Co. (Rust Proof), Liberty bldg
Bean Lewis U. Co., 922 Cherry

BINSWANGER B. & CO., 835 N 3d

Bridgeport Wood Finishing Works (Du Pont)
Day Light Co., 18 S 7th
Denny Hilborn & Rosenbach, 230 N 12th

(Continued on following page)

1793 · BORN WITH THE REPUBLIC · 1802

DU PONT

PAINTS AND VARNISHES

THE products of the Paint and Varnish Division of the du Pont Company represent a full line of products, including paints, stains, enamels, fillers, varnishes, colors, japans and driers.

These products are supplied for trade as well as industrial users, and represent a specialized development to meet individual requirements.

The du Pont line of Paints and Varnishes at present has been developed to the point of standardization where each product stands for highest quality for the purpose intended.

E. I. DU PONT DE NEMOURS & CO., Inc.

Paint and Varnish Division

3500 Gray's Ferry Road, Philadelphia, Pa.

2100 Elston Avenue, Chicago, Ill. Everett Station, No. 49, Boston, Mass.

Paint Mfrs.—Continued

PENNSYLVANIA—PHILADELPHIA—Continued

DU PONT E. I. DE NEMOURS & CO., INC., Paint & Varnish Dept. ("Du Pont." See Adjacent Adv), 3500 Grays Ferry rd
See adv index at end of book

Elastic Compound Paint Co., 5131 Kershaw
Felton, Sibley & Co., 136 N 4th
French Samuel H. & Co., 4th c Callowhill
Howell C. H. & Co., 212 Race
Keystone Albumen & Paint Co., 1346 N Marston
Lucas John & Co., 322 Race
Nice Eugene E., 272 S 2d
Pecora Paint Co. ("Pecora"), 4th & Sedgley av
Phoenix Paint & Varnish Co., 124 Market
Protectus Paint Company, North American bldg
Pyramid Paint Co., 133 N 23d
Rambo Theo. G., 981 N 2d
Rinald Bros., 1142 N Hancock
Schrack C. & Co., 152 N 4th
Shoemaker Robt. & Co., Inc. (Interior Wall & Wood Finishes), 4th & Race
Thomson Wood Finishing Co., 329 N Third *See adv index at end of book*
Weber Co., F., 1220 Buttonwood
Wetherill G. D. & Co., 114 N Front
Wetherill & Bro., 126 S 30th
Wilbur Job Co., ft. E Tioga
Yarnall Paint Co., 1026 Race

PITTSBURGH—Atlas Paint Co., Ltd. ("Atlasting," "Alastic," "Elasting," "Atalac"), 18th & W. P. R. R., Sharpsburg
Colonial Supply Co., 217 Water
See adv index at end of book
Eagle Paint & Varnish Co., 225 Galveston
Fort Pitt Oil & Paint Co., 3206 Penn av
Hommel O. Co., 209 4th av
Impervious Varnish Co., 421 Wood
Iron City Oil & Varnish Co., Franks-town & Inwood
Koppers Products Co. ("Koppax"), Union Arcade
Lawrence W. W. & Co. ("Lawrence," "Dresden," "Du-Kane," "Gold Star," "Norwood"), W. Carson
Nevin T. H. Co., Island & Preble
Pittsburgh Paint Supply Co., 617 Liberty
Pruett Schaffer Chemical Co., Tabor
Sterling Varnish Co. (Varnish), Fulton bldg
Suydam M. B. Co., 61st & Butler
Thompson & Co., 857 W North av
Union Paint Co., South av, & B. & O. R. R.

PULASKI—Reno Bros. Paint Co.
READING—Morgan Paint Co. Wilhelm A. Co.
SHAMOKIN—Zimmerman W. S.
SHARPSBURG—Atlas Paint Co.
SHIPPINSBURG—McPherson J. W. & Sons
SOUTH BEHLEHEM — Bethlehem Steel Co.
TULLYTOWN—Tully Paint & Varnish Co.
WASHINGTON—Capitol Paint & Varnish Co.
WILLIAMSPORT — Cheesman & Elliott (National Paint Works)
Globe Paint Co.
WYOMING—Wyoming Painting & Paint Mfg. Co.

RHODE ISLAND.

PROVIDENCE—Chaffee Thos. K. Co., 115 Wickendon
Johnson Oliver & Co., 24 Custom House
U. S. Gutta Percha Paint Co., 12-30 Dudley
Wilbur J. Co.

SOUTH CAROLINA.

CHARLESTON—Moore-Leland Paint & Oil Co.

TENNESSEE.

CHATTANOOGA—Lookout Paint Mfg. Co.
MEMPHIS—Bartholomew Roofing Co., 164 S 2nd
De Soto Paint Mfg. Co.
True-Tagg Paint Co.
NASHVILLE—Warren Paint & Color Co.

TEXAS.

DALLAS—Lincoln Paint & Color Co.
GALVESTON—Baulard V. L. & Co.
HOUSTON—Sherwin-Williams Co.
Kuhn's Paint & Varnish Works

UTAH.

SALT LAKE CITY—Carbon Paint Co. ("C. P. P." Hydro-Carbon), Felt bldg

VERMONT.

BRATTLEBORO—Morse W. A., Dept H

VIRGINIA.

LYNCHBURG—National Paint & Manganese Co.
NEWPORT NEWS—Gateways, Inc. ("Gateways"), 26th & Virginia av
NORFOLK—Jenkins Paint & Oil Co. ("Delhi")
RICHMOND—Alcatraz Co., Inc. (Roofing), 3200 Williamsburg av
Tanner W. S. Paint Co., 1303 E Main

WASHINGTON.

SEATTLE—Lion Varnish Mfg. Co., Inc. ("Excelite"), 3420 13th av S W
Masury John W. & Son, 5016 20th, N. W.
Preservative Paint Co., 5410 Duwamish av
Seattle Paint Co. ("Ironite"), 1023 1st av
Solastic Products Co., Inc., 9th S & Hanford
SPOKANE—Jones & Dillingham
TACOMA—Fuller W. P. & Co. (Dirs), Dept. H

WEST VIRGINIA.

WHEELING—Blue Ribbon Paint Co.
HUNTINGTON—Ashland Paint Co.

WISCONSIN.

IRON RIDGE—Winter's Metallic Paint Co.
MILWAUKEE—O'Neil Oil & Paint Co., 297 E Water
Patton-Pitcairn Division Pittsburgh Plate Glass Co., 965 Mission
Retardo Fire Proof Paint Co., 416 E North av
Ricketson Mineral Paint Works (Iron Ore), South Bay
Zummach Wm. F., 283 W Water
OSHKOSH—Parker Ira & Sons Co.
STEVENS POINT—Wisconsin Graphite Co.

10526—Paint Mfrs.' Color Cards

Adams & Elting Co., 1835 Seward, Chicago, Ill.
American Color Card Co., 1735 N Ashland av, Chicago, Ill.
Bradt Paint Specialty Co., Troy, N. Y.
Braithwaite C. W. Co., 1213 W Van Buren, Chicago, Ill.
Decora Mfg. Co., 201 Nevin av, Richmond, Cal.
Estes E. B. & Sons (Wood), 364 5th av, New York. *See adv index at end of book*
Morrison Chas. C. Co. (For Mixed Paint, etc), 15 S Clinton, Chicago, Ill.

10526a— Paint Paste

MASTER PAINTERS SUPPLY COMPANY ("Mapaz"—Green Seal French Process Zinc Oxide Ground in Refined Linseed Oil), 158 Front, New York
See adv index at end of book

10526b— Paint Sprayers

BINKS SPRAY EQUIPMENT CO., 3129 Carroll av, Chicago
Decora Mfg. Co., 201 Nevin, Richmond, Cal.
Dunns Paint Machine Co., 208 Mission, San Francisco, Cal.
Hayes Pump & Planter Co. ("Hayes" Compressed Air), Galva, Ill.
Holton B. E. & Co. ("Crown"), 1007 S Figueroa, Los Angeles, Cal.
L. A. Utility Mfg. Co., 215 E Washington, Los Angeles, Cal.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

For Oil Paints and Varnishes, using compressed air for atomizing. We also build Whitewash Sprayers.

MACLEOD CO., 2227 Bogen St., Cincinnati, O.

Paasche Air Brush Co. ("Paasche"), 109 Diversey P'kway, Chicago, Ill.
Rix Compressed Air & Drill Co. (Compressor Units), 400-404 Fourth, San Francisco, Cal.
SPRAY ENGINEERING CO. (Equipment For), 62 High, Boston, Mass.
See adv index at end of book



"SPRACO"

Pneumatic Painting Outfits save the labor of many men.

SPRAY ENGINEERING CO.

62 High St. Boston, Mass.

10526c—*Paint Spraying Equipment

BINKS SPRAY EQUIPMENT CO., 3129 Carroll av, Chicago

10527—Paint & Varnish Remover

Acme White Lead & Color Works ("Acme Quality"), St. Aubin & M. C. R. R., Detroit, Mich.
Adams & Elting Co. ("Ad-el-ite"), 1835 Seward, Chicago, Ill.
Albany Chemical Co. ("Albany" Paint & Varnish Remover), Albany, N. Y.
Arnstein Eugene Paint Co. ("Blitz"), 253 N Western, Chicago, Ill.
Atlantic Drier & Varnish Co. ("Takitof"), Meadow & Wolf, Phila., Pa.
Ball Chemical Co. ("Ball's"), Fulton bldg, Pittsburgh, Pa.
Berry Bros. ("Apex"), 211 Leib, Detroit, Mich.
Bird J. A. & W. & Co. ("Mistic"), 384 Concord sq, Boston, Mass.
Boston Varnish Co. ("Boston"), Everett Station, Boston, Mass.
Boyle A. S. Co. ("Var-ni-go"), 1934 Dana av, Cincinnati, O.
Bradley & Vrooman Co. ("Crown"), 2632 S Dearborn, Chicago, Ill.
Bridgeport Wood Finishing Works (Du Pont), ("Bridgeport Standard"), Philadelphia, Pa.
Brooklyn Varnish Mfg. Co. ("Peerless"), 35 Nostrand av, Brooklyn, N. Y.
Calman Emil & Co. ("Zymolite"), 106 William, New York
Campbell Glass & Paint Co. ("Cleanoff"), 106 Gratiot, St. Louis, Mo.
Century Mfg. Co., 272 W. Genessee, Buffalo, N. Y.
Certain-teed Products Co. ("Certain-teed"), Boatman's Bank bldg, St. Louis, Mo.

Chalmers Chemical Co. ("Phenoid"), 115 Chestnut, Newark, N. J.
Chicago White Lead & Oil Co. ("Magic"), 1454 S Western av, Chicago, Ill.
Crockett D. B. Co. ("E. Z."), 277 Mt. Grove, Bridgeport, Conn.
Day Jas. B. & Co. ("Kut-Kote"), 224 W. Superior, Chicago, Ill.
De Ronde Frank S. ("De Ronde"), 17 Battery pl, New York
Detroit White Lead Works ("Ab-lu-ent"), 560 E Milwaukee, Detroit, Mich.
DU PONT E. I. DE NEMOURS & CO., INC., Paint & Varnish Dept. (Liquid), 3500 Grays Ferry rd, Phila., Pa.
See adv index at end of book
Eberson Lindsley Paint Co. ("U. & P. Solvent"), 1830 Morgan, St. Louis, Mo.
Flint Varnish & Color Works ("Re-movit"), Flint, Mich.
Forest City Paint & Varnish Co. ("Forest City"), 3334 Lakeside av, Cleveland, O.
Fuller W. P. & Co. ("Conqueror"), 301 Mission, San Francisco, Cal.
Gillespie Chas. H. & Sons ("Monarch Bull Dog"), Dey, Jersey City, N. J.
Glidden Co. ("Glidden's"), Madison av & Berea rd, Cleveland, O.
Gould & Cutler ("Eclipse"), 45 Sudbury, Boston, Mass.
Heath & Milligan Mfg. Co., 1833 Seward, Chicago, Ill.
Hilo Varnish Corp. ("Hilo"), Marcy & Flushing av, Brooklyn, N. Y.
Indianapolis Paint & Color Co. ("Rapid"), 120 S Illinois, Indianapolis, Ind.
Johnson S. C. & Son ("Johnson's Electric Solvo"), Racine, Wis.
Keystone Varnish Co. ("23-Skiddo"), 71 Otsego, Brooklyn, N. Y.
Lawrence W. W. & Co. ("Dresden"), W Carson, Pittsburgh, Pa.
Lincoln Paint & Color Co. ("Lincoln"), Lincoln, Neb.
Lucas John & Co. ("Mirac"), 322 Race, Phila., Pa.
McAdam Charles Co. ("X-Cell-All"), 3167 Cottage Grove av, Chicago, Ill.
McPhee & McGinnity Co. ("Magic Solvent"), Denver, Colo.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Messenger F. H. Co., Auburn, N. Y.
Mudge & Co. ("Solvit"), Railway Exchange bldg, Chicago, Ill.
Nice Eugene E., 272 S 2d, Phila., Pa.
Palmer-Price Co. ("Eureka"), 270 Chestnut, Newark, N. J.
Parrott Varnish Co., ("Parrott"), Bridgeport, Conn.
Patterson-Sargent Co. ("B. P. S."), 1325 E 38th, Cleveland, O.
Patton Paint Co. ("Patton's"), Milwaukee, Wis.
Peninsular Paint & Varnish Co. ("Peninsular"), St. Aubin & M C RR, Detroit, Mich.
Perry-Austen Mfg. Co. ("Instint"), Grasmere, S. I., N. Y.
Pratt & Lambert ("Expedite"), Buffalo, N. Y.
Prince Jas. H. Paint Co. ("Zip"), 5 Lancaster, Boston, Mass.
Samoline Corp., Inc. ("Samoline" Cleaner), 1300 Fletcher, Chicago, Ill.
Sherwin-Williams Co. ("Taxite"), Cleveland, O.
Standard Varnish Wks. ("Klensa"), 443H 4th av, New York
Twin City Varnish Co. ("Kum-Off"), 531 Cleveland av, St. Paul, Minn.
Wadsworth-Howland Co. ("Jewel"), 225 N Carpenter, Chicago, Ill.
Wadsworth-Howland & Co. (Inc.), ("Magic"), 141 Federal, Boston, Mass.
Watson Geo. E. Co. ("Faultless"), 62 W Lake, Chicago, Ill.
Wilhelm A. Co. ("Meltaway"), Reading, Pa.
WILSON-IMPERIAL CO., Manufacturers ("Lingerwett" Liquid, "Wonderpaste" Semi-Paste), 115 Chestnut, Newark, N. J.

10527b— Painters' Outfits

BINKS SPRAY EQUIPMENT CO., 3129 Carroll av, Chicago

Painting Sprays (Compressed Air)

See Pneumatic Painting Machines; also Paint & Whitewash Spraying Machines

10528— Paints (Acid Proof)

Acme White Lead & Color Works, 3250 St. Aubin, Detroit, Mich.
Alcatraz Co., Inc., 3260 Williamsburg av, Richmond, Va.
Antakwa Co., 1329 Mohawk, Chicago, Ill.
Arco Co., Euclid av & E 65th, Cleveland, O.
Arlington Mfg. Co., Canton, O.
Atlas Paint Company, Ltd., 18th & W. P. R. R., Sharpsburg, Pittsburgh, Pa.
Barrett Co. ("Externum"), 40 Rector, New York
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
Becker-Moore Paint Co., 2nd & Soulard, St. Louis, Mo.
Bradford Jas. Co., Wilmington, Del.
Cabot Samuel (Inc.), 141 Milk, Boston, Mass.
See adv index at end of book
California Paint Company, 1797 12th, Oakland, Cal.
Cambria Paint & Color Co., Johnstown, Pa.
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Carbon Paint Co. ("C. P. P." & "Black Diamond"), Salt Lake City, Utah
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
Detroit Graphite Co. ("Degraco"), 518 12th, Detroit, Mich.
Doggett Stanley, 11 Cliff, New York
Elaterite Paint & Mfg. Co. ("Des Moines Elaterite"), Des Moines, Ia.
Federal Process Co., Cleveland, O.
Forest City Paint & Varnish Co., 3334
Horn A. C. Co., H Horn bldg, Long Island Lakeside av, Cleveland, O.
Fuller W. P. & Co. (Black Asphaltum), 301 Mission, San Francisco, Cal.
Glidden Co., Madison, av & Berea rd, Cleveland, O.
Globe Paint Co., Williamsport, Pa.
Hildreth Varnish Co., 90 West, New York City, N. Y.
Jones Paint Co., Rome, N. Y.
King-Karbo Products Corp., 825 Concord, Pittsburgh, Pa.
Koppers Products Co. ("Koppax"), Union Arcade, Pittsburgh, Pa.
Maire Paint Co., 329 Boston blk, Minneapolis, Minn.
Minwax Co., 18 E 41st ("Minwax"), New York
Mound City Paint & Color Co., 217 S Garrison, St. Louis, Mo.
National Roofing Co., Tonawanda, N. Y.
Ohmlac Paint & Refining Co., 140 S Dearborn, Chicago, Ill.
Patterson-Sargent Co., 1325 E 38th, Cleveland, O.
Patton Paint Co., Milwaukee, Wis.
Riesenman Mfg. Co., Ltd., Franklin, Pa.
Rinald Bros. Paint Works, Inc., Gray's Ferry rd & Grove, Phila., Pa.
Semet-Solvay Co. ("Solvay"), Syracuse, N. Y.
Sherwin-Williams Co. ("Ajax" Finishers), Cleveland, O.
Sipe Jas. B. & Co., Dept H, Bridgeville, Pa.
Sonneborn L. Sons ("Amalie"), 114 5th av, New York
Southern Cotton Oil Co. ("Scoco"), 120 B'way, New York
Southwestern Paint & Varnish Co., 610 B'way, Kansas City, Mo.
Stanley Chemical Co., East Berlin, Conn.
Suydam M. B. Co., 61st & Butler, Pittsburgh, Pa.
Vaughan Paint Co., Columbus & Big 4 R.R., Cleveland, Ohio
Voltax Co., 99 Reservoir av, Bridgeport, Conn.
Wailes Dove-Hermiston Co. ("Hermastic" "Bitumastic"), 17H Battery pl, New York
Western Elaterite Roofing Co. ("Elaterite"), Equitable bldg, Denver, Colo.

10528a—Paints (Alkali Resisting)

Atlas Paint Co., Ltd., 18th st & W. P. R. R., Sharpsburg, Pittsburgh, Pa.
Cambria Paint & Color Co., Johnstown, Pa.
Carbon Paint Co. ("C. P. P." & "Black Diamond"), Felt bldg, Salt Lake City, Utah
Jones Paint Co., Rome, N. Y.
Koppers Product Co. ("Koppax"), Union Arcade, Pittsburgh, Pa.
Standard Paint Co., 233 B'way, New York
Toch Bros., 320 5th av, New York

10529—Paints (Aluminum & Gold)

Acme White Lead & Color Works, 3250 St. Aubin, Detroit, Mich.
Adams & Elting Co. (Aluminum), 1835 Seward, Chicago, Ill.
Arlington Mfg. Co., Canton, O.
Arnstein Eugene Paint Co., 253 N Western, Chicago, Ill.
Atlas Paint Co., Ltd., 18th st & W. P. R. R., Sharpsburg, Pittsburgh, Pa.
Baer Bros., 438 W 37th, New York
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
Becker-Moore Paint Co., 2nd & Soulard, St. Louis, Mo
Berry Bros. ("Aluminum"), 211 Leib, Detroit, Mich.
Bettes A. O. Mfg. Co. ("Ideal"), 1008 Union, Kansas City, Mo.
BINSWANGER B. & CO., 835 N 3d, Phila., Pa.
Bronze Powder Works Co., Elizabeth, N. J.
Buffalo Oil, Paint & Varnish Co., 24 Evans, Buffalo, N. Y.
California Paint Company, 1797 12th, Oakland, Cal.
Certain-teed Products Co. ("Certain-teed"), Boatman's Bank bldg, St. Louis, Mo.
Chicago Gold Enamel Co. (Washable Gold), Monadnock blk, Chicago, Ill.
Connors Wm. Paint Mfg. Co. ("American Seal"), Troy, N. Y.
Day Jas. B. & Co., 224 W. Superior, Chicago, Ill.
Detroit White Lead Works, 560 E Milwaukee, Detroit, Mich.
Drakenfeld B. F. & Co., Inc., 50 Murray, New York
Forest City Paint & Varnish Co., 3334 Lakeside Ave., Cleveland, O.
French Sam'l H. & Co., 4th & Callowhill, Phila., Pa.
Fry Art Co. (Gold), Great Neck, New York
Fuller W. P. & Co. (Decoret), 301 Mission, San Francisco, Cal.
Gerstendorfer Bros. ("Sapolin"), 221 E 42d, New York
Glidden Co. ("Jap-a-lac"), Madison av & Berea rd, Cleveland, O.
Hasburg John W. Co. ("Phoenix" Gold), 1119 N La Salle, Chicago, Ill.
Heath & Milligan Mfg. Co., (Aluminum), 1833 Seward, Chicago, Ill.
Hemmerdinger L. & Co., 438 E 123d, New York
Hommel O. Co., 209 4th av, Pittsburgh, Pa.
Kay & Ess Co., Dayton, O.
Lawrence W. W. & Co. ("Lawrence," "Fort Pitt," "Royal"), W Carson, Pittsburgh, Pa.
Lincoln Paint & Color Co., Lincoln, Neb.
Martin-Senour Co. (Aluminum "Monarch"), 2520 Quarry, Chicago, Ill.
Montauk Paint Mfg. Co. ("Montauk," Aluminum & Silver & Gold), 2d av & 13th, Brooklyn, N. Y.
Moore Benjamin & Co., 231 Front, Brooklyn, N. Y
Moser Chas. Co., Cincinnati, O.
Mound City Paint & Color Co., 11th & Mullanphy, St. Louis, Mo.
National Roofing Co., Tonawanda, N. Y.
Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.
Nice Eugene E., 272 S 2d, Phila., Pa.
Nubian Paint & Varnish Co., 1856 Leciaire av, Chicago, Ill.
Patton Paint Co. (Alum.), Milwaukee, Wis.
Reusche L. & Co. ("Reusche" Gold), 34 Union sq, New York
St. Paul White Lead & Oil Co. ("Lion"), Water & Starkey, St. Paul, Minn.
Sartorius A. & Co., 32 Union sq, New York
Sherwin-Williams Co., Cleveland, O.
Sleeper Fred L. ("Sleeper"), 1510 Diversey pkwy, Chicago, Ill.
Tucker Mfg. Co., 17 E 137th, New York
Valentine Co., 456 Fourth av, New York
Wadsworth, Howland & Co., 141 Federal, Boston, Mass.
Woodtite Laboratories, Modesto, Cal.
Woolsey, C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.

10529a—Paints (Anti-Cyanide)

Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
Detroit Graphite Co., 10 12th, Detroit, Mich.
Toch Bros., 320 5th av, New York
Trus-Con Laboratories, Detroit, Mich.

10530— Paints (Asbestos)

Acme Asbestos Covering & Flooring Co., 234 N Elizabeth, Chicago, Ill.
See adv index at end of book
Acme White Lead & Color Works, St. Aubin & M C RR, Detroit, Mich.
American Roof Co., 15th & Blue River, Kansas City, Mo.
Arco Co., Euclid Ave. & E, 65th, Cleveland, O.
Atlas Paint Co., Ltd., 18th st & W. P. R. R., Sharpsburg, Pittsburgh, Pa.
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
Becker-Moore Paint Co., 2nd & Soulard, St. Louis, Mo.
Bradford Jas. Co., 8 E 3d, Wilmington, Del.
Cambria Paint & Color Co., Johnstown, Pa.
Ehret Magnesia Mfg. Co., Valley Forge, Pa.
Horn A. C. Co., H Horn bldg, Long Island City, N. Y.
Jones Paint Co., Rome, N. Y.
Keystone Roofing Mfg. Co., York, Pa.
National Roofing Co., Tonawanda, N. Y.
Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.
Paraffin Co.'s, Inc., 475 Brannan, San Francisco, Cal.
Patton Paint Co. ("Sun Proof"), Milwaukee, Wis.
Watson H. F. Co., Erie, Pa.

10531— Paints (Asphalt)

Arco Co., Euclid Ave. & E. 65th, Cleveland, O.
Armstrong Paint & Varnish Works ("Diamond Oil Black"), 2502 Paulina, Chicago, Ill.
Atlantic Refining Co., 260 S Broad, Phila., Pa.
Atlas Co., Lincoln, N. J.
Atlas Paint Co., Ltd., 18th st & W. P. R. R., Sharpsburg, Pittsburgh, Pa.
Barber Asphalt Co. ("Genasco"), Land Title bldg, Phila., Pa.
Barrett Co., 40H Rector, New York
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
Becker-Moore Paint Co., 2nd & Soulard, St. Louis, Mo.
Bradford Jas. Co., 8 E 3d, Wilmington, Del.
Cambria Paint & Color Co., Johnstown, Pa.
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Certain-teed Products Corp., Boatman's Bank bldg, St. Louis, Mo.
Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, O.
Fort Pitt Oil & Paint Co., 3206 Penn av, Pittsburgh, Pa.
Fuller W. P. & Co. (Asphaltum), 301 Mission, San Francisco, Cal.

(Continued on following page)

Paints (Asphalt)—Continued

Globe Paint Co., Williamsport, Pa.
Hammond Asphalt Products Co., Hammond, Ind.
Hill Hubbell & Co., 115 Davis, San Francisco, Cal.
Horn A. C. Co., H Horn bldg, Long Island City, N. Y.
Kay & Ess Co., Dayton, O.
Keystone Roofing Mfg. Co., York, Pa.
McHenry-Millhouse Mfg. Co., South Bend, Ind., & Fulton, N. Y.
Mound City Paint & Color Co., 217 S Garrison, St. Louis, Mo.
National Roofing Co., Tonawanda, N. Y.
Nice Eugene E., 272 S 2d, Phila., Pa.
Paraffin Co.'s, Inc. ("Pabco," "P. & B."), 475 Brannan, San Francisco, Cal.
Patton Paint Co., Milwaukee, Wis.
Preservative Paint Co., 5410 Duwanish av, Seattle, Wash.
RUBEROID CO., THE (Ruberoid Utility Paint, for all general purposes, wood or metal; P. & B. Rapid Asphalt Paint, rapid drying and acid-resisting; Ruberoid Boiler and Stack Paint, for metal stacks and other surfaces subjected to heat), 95 Madison av, New York
See adv index at end of book
Shaffer Color & Varnish Corp., Hoboken, N. J.
Southwestern Paint & Varnish Co., 610 B'way, Kansas City, Mo.
Stowell Mfg. Co., 240 Culver av, Jersey City, N. J.
Suydam M. B. Co., 61st & Butler, Pittsburgh, Pa.
Texas Company (The), Dept. D, 17 Battery pl, New York
See adv index at end of book
Trinidad Asphalt Mfg. Co., Title Guaranty Trust bldg, St. Louis, Mo.
Walters Mfg. Co., Fulton bldg, Pittsburgh, Pa.
Western Elaterite Roofing Co. ("Elaterite"), Equitable bldg, Denver, Colo.
Woolsey C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.

10532—Paints (Asphaltum)

Acme White Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
Alcatraz Co., Inc. ("Blackat"), 3200 Williamsburg av, Richmond, Va.
American Wood Preserving Co., 3743 N Marshfield, Chicago, Ill.
Arlington Mfg. Co., Canton, O.
Armstrong Paint & Varnish Works, 2502 S Paulina, Chicago, Ill.
ATLAS PAINT CO., LTD., 18th st & W. P. R. R., Sharpsburg, Pittsburgh, Pa.
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
Becker-Moore Paint Co., 2nd & Soulard, St. Louis, Mo.
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Certain-teed Products Corp., St. Louis, Mo.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
Climax Refining Co., Williamson bldg, Cleveland, O.
Continental Products Co., Quebec av, Cleveland, O.
Detroit White Lead Works, 560 E Milwaukee, Detroit, Mich.
Devoe & Raynolds Co., Inc., 101 Fulton, New York
Doggett Stanley, 11 Cliff, New York
Eagle Paint & Varnish Co., 225 Galveston, Pittsburgh, Pa.
French Samuel H. & Co., 4th & Callowhill, Phila., Pa.
Fuller W. P. & Co. (Asphaltum), 301 Mission, San Francisco, Cal.
Horn A. C. Co., H Horn bldg, Long Island City, N. Y.
Impervious Varnish Co., 421 Wood, Pittsburgh, Pa.
Jamestown Paint & Varnish Co., Jamestown, Pa.
Kay & Ess Co., Dayton, O.
Klein Mfg. Co., H American Trust bldg, Cleveland, Ohio
McHenry-Millhouse Mfg. Co., South Bend, Ind., & Fulton, N. Y.
Mackin J. A. Co., 77 King av, Columbus, Ohio
Masury Jno. W. & Son, 30 Jay, Brooklyn, N. Y.
Mitchell-Rand Mfg. Co., 26 Vesey, New York
National Roofing Co., Tonawanda, N. Y.
Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.
Nice Eugene Co., 272 S 2d, Phila., Pa.
Nubian Paint & Varnish Co., 1856 Leclaire av, Chicago, Ill.
Otley Paint Mfg. Co. ("Eureka"), 1742 N Winchester av, Chicago, Ill.
Paraffin Co.'s, Inc. ("Pabco," "P. & B."), 475 Brannan, San Francisco, Cal.
Parker C. H. Co., Valparaiso, Ind.
See adv index at end of book
Patterson-Sargent Co., 1325 E 38th, Cleveland, O.
Protexol Corp., 41 Barclay, New York
See adv index at end of book
Riesenman Mfg. Co. Ltd., Franklin, Pa.
St. Louis Surfacer & Paint Co., Arlington & Terminal & Belt Line, St. Louis, Mo.
Sipe Jas. B. & Co., Dept. H, Bridgeville, Pa.
Stanley Chemical Co., East Berlin, Conn.
Texas Company (The), Dept. D, 17 Battery pl, New York
See adv index at end of book
Thompson & Co., 837 W North av, Pittsburgh, Pa.
Voltax Co., 99 Reservoir av, Bridgeport, Conn.
Wadsworth, Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.
Wailes Dove-Hermiston Co. ("Hermastic" "Bitumastic"), 17H Battery pl, New York
Western Elaterite Roofing Co. ("Elaterite"), Equitable bldg, Denver, Colo.
Wilhelm A. Co., Reading, Pa.
Woolsey C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.

10532a—Paints (Automobile)

Acme White Lead & Color Wks., 8250 St. Aubin av, Detroit, Mich.
Arco Co., Euclid av & E 65th, Cleveland, Ohio
Ault & Wiborg Co., 7th & Culvert, Cincinnati, Ohio
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
Billings-Chapin Co., 1163 E 40th, Cleveland, Ohio
Buckeye Paint & Varnish Co., 15th & Lucas, Toledo, Ohio
Certain-teed Products Corp., Boatmen's Bank bldg, St. Louis, Mo.
Columbus Varnish Co., 262 Cozzens, Columbus, Ohio
Detroit White Lead Wks., 1960 Milwaukee av., Detroit, Mich.
Devoe & Reynolds Co. Inc. ("Devoe"), 101 Fulton, New York
Dibble Color Co., 445 Larned, Detroit, Mich.
Ditzler Color Co., 40 W Baltimore av, Detroit, Mich.
Douglas L. A. ("Ivoriod"), 1288 Mission, San Francisco, Cal.
Du Pont E. I. de Nemours & Co. Inc. (Sales Dept. Paint & Varnish Section), 3500 Grays Ferry rd, Phila., Pa.
See adv index at end of book
Flint Varnish & Color Wks., Flint, Mich.
Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, Ohio
French Samuel H. & Co., Callowhill & 4th, Phila., Pa.
Glidden & Co., Madison av & Berea rd, Cleveland, Ohio
Hardy Paint & Varnish Co., Oakwood av & M. C. RR., Toledo, Ohio
Johnston R. F. Paint Co., Pearl & Main, Cincinnati, Ohio
Keystone Paint & Filler Co., Munsey, Pa.
Lowe Bros. Co., Dayton, Ohio
Lucas John & Co., 322 Race, Phila., Pa.
Moore Benj. & Co., 231 Front, Brooklyn, N. Y.
Moser Chas. Co., 215 E 9th, Cincinnati, O.
Murphy Varnish Co., 224 McWhorter, Newark, N. J.
Nice Eugene E., 272 S 2nd, Phila., Pa.
Patterson-Sargent Co., 1325 E 38th, Cleveland, Ohio
Pierce F. O. Co., 12 West B'way, New York
St. Louis Surfacer Paint Co., Arlington Terminal & Belt Line, St. Louis, Mo.
Schrack C. & Co., 152 N 4th, Phila., Pa.
Sherwin-Williams Co., 601 Canal rd, Cleveland, Ohio
Smith Edw. & Co., 127 West av, Long Island City, N. Y.
Star-Peerless Wall Paper Mills, 1314 Benton, Joliet, Ill.
Valentine Co. ("Celox Primer," "Celox Surfacer"), 456 Fourth av, New York City
Wadsworth, Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.
Willey C. A. & Co., Hancock, Long Island City, N. Y.

10533-4— Paints (Barrel)

Acme White Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
Atlas Paint Co., Ltd., 18th st & W. P. R. R., Sharpsburg, Pittsburgh, Pa.
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
Becker-Moore Paint Co., 2nd & Soulard, St. Louis, Mo.
Butler J. G., Bldrs. Supply Co., 24 Congress W, Savannah, Ga.
California Paint Co., Oakland, Cal.
Cambria Paint & Color Co., Johnstown, Pa.
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, O.
French Sam'l H. & Co., 4th & Callowhill, Phila., Pa.
Fuller W. P. & Co. (Premier), 301 Mission, San Francisco, Cal.
Globe Paint Co., Williamsport, Pa.
Heller & Merz Co., 503 Hudson, New York
Horn A. C. Co., H Horn bldg, Long Island City, N. Y.
Klein Mfg. Co., H American Trust bldg, Cleveland, Ohio
Lawrence W. W. & Co., W Carson, Pittsburgh, Pa.
Lucas Jno. & Co., 322 Race, Phila., Pa.
Masury John W. & Son, 50 Jay, Brooklyn, N. Y.
Moser Chas. Co., Cincinnati, O.
Mound City Paint & Color Co., 217 S Garrison, St. Louis, Mo.
National Roofing Co., Tonawanda, N. Y.
Patterson-Sargent Co., Cleveland, O.
Pyramid Paint Co., 133 N 22d, Phila., Pa.
Riesenman Mfg. Co. (Ltd.), Franklin, Pa.
St. Paul White Lead & Oil Co. ("Lion"), Water & Starkey, St. Paul, Minn.
Sipe Jas. B. & Co., Dept H, Bridgeville, Pa.
Wadsworth, Howland & Co., ("Bay State"), 141 Federal, Boston, Mass.
Warren Paint Co., Warren, O.
Woolsey C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.
Voltax Co., 99 Reservoir av, Bridgeport, Conn.

Paints (Bath-Tub)

See Enamels, Bath Tub

10535—Paints (Blackboard)

Acme White Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
Cambria Paint & Color Co., Johnstown, Pa.
Fuller W. P. & Co., 301 Mission, San Francisco, Cal.
Globe Paint Co., Williamsport, Pa.
Moore Benjamin & Co., 231 Front, Brooklyn, N. Y.
Nice Eugene E., 272 S 2d, Phila., Pa.
Woolsey C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.

10536-7—Paints (Brick and Concrete)

Acme White Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
Adams & Elting Co. ("Ad-el-ite"), 1835 Seward, Chicago, Ill.
Allentown Mfg. Co., 24 S 6th, Allentown, Pa.
Antakwa Co., 133 W Washington, Chicago, Ill.
Arco Co., Euclid av & E 65th, Cleveland, O.
Arlington Mfg. Co., Canton, O.
Atlas Paint Co., Ltd., 18th st & W. P. R. R., Sharpsburg, Pittsburgh, Pa.
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
Becker-Moore Paint Co., 2nd & Soulard, St. Louis, Mo.
Billings-Chapin Co., 1163 E 40th, Cleveland, O.
California Paint Co., Oakland, Cal.
Cambria Paint & Color Co., Johnstown, Pa.
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Carbon Paint Co. ("C. P. P."), Felt bldg, Salt Lake City, Utah
Certain-teed Products Co. ("Certain-teed" Floor), Boatman's Bank bldg, St. Louis, Mo.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
Chilton Paint Co., College Point, L. I., N. Y.
CONCRETE WATERPROOF PAINT CO. ("Kling Koat"), 529 N 3rd, Phila., Pa.
See adv index at end of book
Cooledge F. J. & Sons, Atlanta, Ga.
Detroit Graphite Company, 518 12th, Detroit, Mich.
Durabla Mfg. Co. ("Comos"), 114 Liberty, New York
Elaterite Paint & Mfg. Co. ("Des Moines Elaterite"), Des Moines, Ia.
Federal Process Co., Cleveland, O.
Feigel M. & Bro. ("D. R. P."), 185 Wooster, New York
Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, O.
FOX M. EWING CO. ("Permanite" Water Paints), 241 E 136th, New York
French Samuel H. & Co., 4th & Callowhill, Phila., Pa.
Fuller W. P. & Co. (Blackboard Slating), 301 Mission, San Francisco, Cal.
Glidden Co. ("Alkali Proof Wall Size," "Concrete Floor Dressing," "Stucolor," "Liquid Cement Coating," "Liquid Cement Filler," "Waterproof White Finish," "Waterproof Flat Finish," "French Caen Stone Finish." "Transparent Waterproofing," "Liquid Concrete," "Liquid Rubber," "Liquid Rubber Cement," "Colorless Waterproofing," "White Cement Enamel." Daylite Mill White), Madison av & Berea rd, Cleveland, O.
Globe Paint Co., Williamsport, Pa.
Goheen Corp. of N. J., 202 Emmett, Newark, N. J.
Hanna Paint Mfg. Co., Columbus, O.
Heath & Milligan Mfg. Co., 1833 Seward, Chicago, Ill.
Hildreth Varnish Co., 90 West, New York
Horn A. C. Co., H Horn bldg, Long Island City, N. Y.
Imperial Paint Co. ("Impaco"), 80 10th Long Island City, N. Y.
Johnston R. F. Paint Co., Pearl & Main, Cincinnati, O.
Jones Paint Co., Rome, N. Y.
King-Karbo Products Corp., 825 Concord, Pittsburgh, Pa.
Klein Mfg. Co., H American Trust bldg, Cleveland, Ohio
Koppers Products Co. ("Koppax"), Union Arcade, Pittsburgh, Pa.
Lawrence W. W. & Co., W Carson, Pittsburgh, Pa.
Lucas Jno. & Co., 322 Race, Phila., Pa.
Masury Jno. W. & Son, 50 Jay, Brooklyn, N. Y.
Mathews Paint Co., 219 S Los Angeles, Los Angeles, Cal.
Moore Benjamin & Co., 231 Front, Brooklyn, N. Y.
Morene Products Co. Inc. ("Likwid Sement"), 245H W 28th, New York

National Roofing Co., Tonawanda, N. Y.
Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.
Nice Eugene Co., 272 S 2d, Phila., Pa.
Nubian Paint & Varnish Co., 1856 Leclaire av, Chicago, Ill.
Patterson-Sargent Co. ("B. P. S.") 1325 E 38th, Cleveland, O.
Patton Paint Co., Milwaukee, Wis.
Pecora Paint Co., 4th & Sedgley av, Phila., Pa.
Preservative Paint Co., 5410 Duwanish av, Seattle, Wash.
Protexol Corp., 41 Barclay, New York
See adv index at end of book
Pyramid Paint Co. ("Macnichols"), 133 N 22d, Phila., Pa.
Richmond Bros. ("Cemeline"), 114 W 5th, Cincinnati, O.
Rinald Bros. Paint Works, Inc., Gray's Ferry rd & Grove, Phila., Pa.
RUBEROID CO., THE (Ruberoid Dampproofing Paint for inside of brick and concrete walls before plastering; Ruberoid Masonry Finish for coating brick or cement walls, highly resistant to the weather), 95 Madison av, New York
See adv index at end of book
St. Paul White Lead & Oil Co., Water & Starkey, St. Paul, Minn.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Sipe Jas. B. & Co., Bridgeville, Pa.
Southwestern Paint & Varnish Co., 610 B'way, Kansas City, Mo.
Stanley Chemical Co., East Berlin, Conn.
Star-Peerless Wall Paper Mills, 1314 Benton, Joliet, Ill.
Stone Tar Products Co., 116 S 8th, Brooklyn, N. Y.
Storm Waterproofing Corp. ("Stormtite"), 417 5th av, New York
Thomson Wood Finishing Co. (Concrete Waterproof), 529 N 3rd, Phila., Pa.
See adv index at end of book
Toch Bros. ("R. I. W.," Interior, "Liquid Konkerit" Exterior), 320 5th av, New York
Tropical Paint & Oil Co. ("Cementkote," "Elastikote"), W 70th, Cleveland, O.
Truscon Laboratories ("Stantex," "Stucco Tex"), Caniff & G. T. R. R., Detroit, Mich.
U. S. Gutta Percha Paint Co., 1230 Dudley, Providence, R. I.
Vaughan Paint Co., Columbus & Big 4 R. R., Cleveland, Ohio
Vitrifyx Co., 2528 W Congress, Chicago, Ill.
Voltax Co., 99 Reservoir av, Bridgeport, Conn.
Vulcanite Roofing Co., 16th & Texas, San Francisco, Cal.
Wadsworth, Howland Co. ("Bay State"), 141 Federal, Boston, Mass.
Wailes Dove-Hermiston Corp ("Hermastic" "Bitumastic"), 17H Battery pl, New York
Warren Paint & Color Co., Nashville, Tenn.
Warren Refining & Chemical Co., 9420 Meech av, Cleveland, O.
Waterall Wm. & Co. ("Cementco"), Camden, N. J.
West Coast Kalsomine Co. ("Wesco"), 5th & Grayson, Berkeley, Cal.
Western Elaterite Roofing Co. ("Elaterite"), Equitable bldg, Denver, Colo.
Wilhelm A. Co., Reading, Pa.
Woolsey C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.

Paints (Bridge)

See Paints for Coating & Preserving Iron & Steel

10538— Paints (Carbon)

American Insulation Co., Nicetown, Phila., Pa.
See adv index at end of book
Antakwa Co., 133 W Washington, Chicago, Ill.
Arlington Mfg. Co., Canton, O.
Armstrong Paint & Varnish Works ("Karbon Kote"), 2502 S Paulina, Chicago, Ill.
Atlas Paint Co., Ltd., 18th st & W. P. R. R., Sharpsburg, Pittsburgh, Pa.
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
Becker-Moore Paint Co., 2nd & Soulard, St. Louis, Mo.
Cambria Paint & Color Co., Johnstown, Pa.
Certain-teed Products Co. ("Certain-teed" Black), Boatman's Bank bldg, St. Louis, Mo.
Cheesman Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
Connors Wm. Paint Mfg. Co., H River, Troy, N. Y.
Continental Products Co., Quebec av, Cleveland, O.
Elastic Compound Paint Co. ("Elastic Compound" Black), 5131 Kershaw, Phila., Pa.
Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, O.
Fuller W. P. & Co. (Pure Colors Drop Black), 301 Mission, San Francisco, Cal.
Gateways, Inc. ("Gateways"), 26th & Virginia av, Newport News, Va.
Horn A. C. Co., H Horn bldg, Long Island City, N. Y.
Moser Chas. Co. ("Durbon"), Cincinnati, Ohio
National Roofing Co., Tonawanda, N. Y.
Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.
Nice Eugene E., 272 S 2d, Phila., Pa.
Patterson-Sargent Co., 1325 E 38th, Cleveland, O.
Patton Paint Co., Milwaukee, Wis.
Richmond Bros., 114 W 5th, Cincinnati, O.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Sherwin-Williams Co., Cleveland, O.
U. S. Graphite Co., Saginaw, Mich.
Western Elaterite Roofing Co. ("Elaterite"), Equitable bldg, Denver, Colo.

Paints (Cement)

See Paints, Brick & Concrete

10538a—Paints (Coal Tar)

Acme White Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
Atlas Paint Co., Ltd., 18th st & W. P. R. R., Sharpsburg, Pittsburgh, Pa.
Fuller W. P. & Co. (Asphaltum), 301 Mission, San Francisco, Cal.
Horn A. C. Co., H Horn bldg, Long Island City, N. Y.
Jones Paint Co., Rome, N. Y.
National Roofing Co., Tonawanda, N. Y.
Protexol Corp., 41 Barclay, New York
See adv index at end of book
Semet-Solway Co., Syracuse, N. Y.
Stanley Chemical Co., East Berlin, Conn.
Trus-Con Laboratories, Detroit, Mich.

10539—Paints (Cold Japan)

Atlas Paint Co., Ltd., 18th st & W. P. R. R., Sharpsburg, Pittsburgh, Pa.
Bass-Hueter Paint Co. (Gold), 816 Mission, San Francisco, Cal.
Fuller W. P. & Co. (Gold Size), 301 Mission, San Francisco, Cal.
Horn A. C. Co., H Horn bldg, Long Island City, N. Y.
National Roofing Co., Tonawanda, N. Y.

10540—Paints (Cold Water)

See also Kalsomine Mfrs.

Acme Asbestos Covering & Flooring Co. ("Apex" Interior & "Bell" Fireproofing & Waterproof Exterior), 234 N. Elizabeth, Chicago, Ill.
See adv index at end of book
Acme White Lead & Color Works, St. Aubin & M C RR, Detroit, Mich.
Adams & Elting Co., 1835 Seward, Chicago, Ill.
American Dry Color Co., 687 Antonia, Los Angeles, Cal.
Arlington Mfg. Co., Canton, O.
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
Becker-Moore Paint Co., 2nd & Soulard, St. Louis, Mo.
Bird J. A. & W. & Co. ("Petrol," "Magnite," "Bird"), 384 Concord sq, Boston, Mass.
Brown Chas. H. Paint Co., 262 Fulton, Brooklyn, N. Y.
California Paint Co., Oakland, Cal.
Carey Philip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, O.
Columbia Refining Co. ("Aqualite" Fire & Weatherproof; also "Muraltint" & "White Rose"), 90 West, New York
Connors Wm. Paint Mfg. Co., Troy, N. Y.
De Soto Paint Mfg. Co. ("Memphi"), Memphis, Tenn.
Devoe & Reynolds Co. Inc. ("Devoe"), 101 Fulton, New York
Federal Asbestos Co., Milwaukee, Wis.
Flintkote Co. ("Magnite"), 88 Pearl, Boston, Mass.
FOX M. EWING CO. ("Permanite" Water Paints), 241 E 136th, New York
French Sam'l H. & Co., 4th & Callowhill, Phila., Pa.
Fuller W. P. & Co. ("Fuller's"), 301 Mission, San Francisco, Cal.
Gilman Paint & Varnish Co., 517 Market, Chattanooga, Tenn.
Hammond-Benjamin, Beacon, N. Y.
Hardie Mfg. Co. ("Stay There" Fire & Waterproof), Hudson, Mich.
Johns-Manville Inc., Madison av & 41st, New York
King Paint Mfg. Co. ("King's"), 449 Kent av, Brooklyn, N. Y.
Lawrence W. W. & Co., W Carson, Pittsburgh, Pa.
Mikesell Bros. Co., Wabash, Ind.
See adv index at end of book
Moser Chas. Co., Cincinnati, O.
Munns E. A. Kalsomine Co., 217 Fulton, Brooklyn, N. Y.
Muralo Co. ("Indelible"), Richmond Ter., New Brighton, Borough of Richmond, New York
Murphy Chas. J. Paint Co., 406 N Calvert, Baltimore, Md.
National Roofing Co., Tonawanda, N. Y.
Neptune Paint Co., Hudson, Mich.
Nice Eugene E., 272 S 2d, Phila., Pa.
Oxidite Mfg. o., Arlington, Mass.
Paragon Plaster Co., 300 W Water, Syracuse, N. Y.
Richmond Bros., 114 W. 5th, Cincinnati, O.
Star-Peerless Wall Paper Mills, 1314 Benton, Joliet, Ill.
Tucker Mfg. Co., 17 E 137th, New York
Warren Refining & Chemical Co., 9420 Meech av, Cleveland, O.
West Coast Kalsomine Co. ("Wesco" Velvet Tints & Wall Colors), 5th & Grayson, Berkeley, Cal.
Whittaker, Clark & Daniels, Inc., 250 Front, New York
Wilhelm A. Co., Reading, Pa.
Winn Wm. R. ("Winn"), 488 Cherry, New York
Woolsey C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.

10541— Paints (Copper)

See also Paints, Marine

Amalgamated Paint Co. ("Amalco," "Amalgamated"), Pier 11, North River, New York
American Copper Products Co. ("Kopperall"), 606 S Hill, Los Angeles, Calif.
American Marine Paint Co. ("Cape Cod"), 311 California, San Francisco, Cal.
Arlington Mfg. Co., Canton, O.
Armstrong Paint & Varnish Works ("Kopper-Kote"), 2502 S Paulina, Chicago, Ill.
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
BINSWANGER B. & CO., 835 N Third, Phila., Pa.
Bredell Composition Co., 818 Mission, San Francisco, Cal.
Briggs Maroney Co. Inc. ("Champion" Ready Mixed), 85 Paris, Everett, Mass.
Brown Chas. H. Paint Co. ("Statesman"), 262 Fulton, Brooklyn, N. Y.
California Paint Co., Oakland, Cal.
Chilton Paint Co., College Point, L. I., N. Y.
Debevoise Company (And Ship Composition), 968 Grand, Brooklyn, N. Y.
Devoe & Reynolds Co. Inc. ("Devoe"), 101 Fulton, New York
French Saml H. & Co., 4th & Callowhill, Phila., Pa.
Fuller W. P. & Co. ("Golden Gate" Ship Bottom), 301 Mission, San Francisco, Cal.
Gateways, Inc. ("Gateways"), 26th & Virginia av, Newport News, Va.
Henderson & Johnson, Gloucester, Mass.
Howell C. H. & Co., 212 Race, Phila., Pa.
Longman & Martinez, 110 William, New York
Lucas Jno. & Co., 322 Race, Phila., Pa.
Miller & Graham, 21 S Gay, Baltimore, Md.
Moore Benjamin & Co., 231 Front, Brooklyn, N. Y.
Mott Haven Color Works, 395 Mott av, New York
New Jersey Paint Works (H. Louderbough, Prop.), Wayne, Jersey City, N. J.
Nice Eugene E., 272 S 2d, Phila., Pa.
Pierce F. O., 12 West B'way, New York
Shaffer Color & Varnish Corp., Hoboken, N. J.
Sherwin-Williams Co., Cleveland, O.
Southwestern Paint & Varnish Co., 610 Broadway, Kansas City, Mo.
Star-Peerless Wall Paper Mills, 1314 Benton, Joliet, Ill.
Tarr Jas. H. Co. (Marine), Gloucester, Mass.
Tarr & Wonson, Gloucester, Mass.
Wadsworth Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.
Warren Paint & Color Co., Nashville, Tenn.
WOOLSEY C. A. PAINT & COLOR CO. ("Copper Best"), 490 Grand, Jersey City, N. J.

10542—Paints (Damp Resisting)

See also Paints, Brick & Concrete; also Waterproofing Materials

Acme White Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
Atlas Paint Co., Ltd., 18th st & W. P. R. R., Sharpsburg, Pittsburgh, Pa.
Barrett Co. ("Hydronon"), 40 Rector, New York
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
California Paint Co., Oakland, Cal.
Cambria Paint & Color Co., Johnstown, Pa.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, New York
Detroit Graphite Co. ("Degraco"), 518 12th, Detroit, Mich.
Fuller W. P. & Co., 301 Mission, San Francisco, Cal.
Garden City Sand Co., Chamber of Commerce bldg, Chicago, Ill.
Globe Paint Co., Williamsport, Pa.
Goheen Corp. of N. J. ("Comaco"), 202 Emmett, Newark, N. J.
Hildreth Varnish Co., 90 West, New York
Horn A. C. Co., H Horn bldg, Long Island City, N. Y.
Koppers Products Co. ("Koppax"), Union Arcade, Pittsburgh, Pa.
National Bituminous Enamel & Paint Co., Key Highway at Lawrence, Baltimore, Md.
National Roofing Co., Tonawanda, N. Y.
RUBEROID CO., THE ("Ruberoid"), 95 Madison av, New York
See adv index at end of book

RU-BER-OID
Damp-proofing Paint
Ruberoid Damp-proofing Paint
A black bituminous paint for damp-proofing foundation walls, floors or any masonry that may be exposed to moisture. It takes the place of furring and lath on inside brick walls.
The RUBEROID Co.
95 Madison Avenue New York

(Continued on following page)

Paints (Damp Resisting)—Continued

Shaffer Color & Varnish Corp., Hoboken, N. J.
Storm Waterproofing Corp. ("Stormtite"), 19 W 44th, New York
Truscon Laboratories ("Stone Tex"), Caniff & G. T. R. R., Detroit, Mich.
Wailes Dove-Hermiston Co. ("Hermastic" "Bitumastic"), 17H Battery pl, New York
Woolsey C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.

10543— Paints (Dipping)

Acme White Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
Antakwa Co. ("Antakwa"), 133 W Washington, Chicago, Ill.
Arco Co., Euclid av & E 65th, Cleveland, O.
Arlington Mfg. Co., Canton, O.
Atlas Paint Co., Ltd., 18th st & W. P. R. R., Sharpsburg, Pittsburgh, Pa.
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
Becker-Moore Paint Co., 2nd & Southard, St. Louis, Mo.
Cambria Paint & Color Co., Johnstown, Pa.
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Canton Paint & Glass Co., 324 Tuscarawas W, Canton, O.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, New York
Detroit White Lead Works, 560 E Milwaukee, Detroit, Mich.
French Sam'l H. & Co., 4th & Callowhill, Phila., Pa.
Fuller W. P. & Co. ("Fuller's"), 301 Mission, San Francisco, Cal.
Gilman Paint & Varnish Co., 517 Market, Chattanooga, Tenn.
Globe Paint Co., Williamsport, Pa.
Horn A. C. Co., H Horn bldg, Long Island City, N. Y.
Impervious Varnish Co., 421 Wood st, Pittsburgh, Pa.
Lehon Co. ("Mule-Hide"), 4451 S Oakley av, Chicago, Ill.
See adv index at end of book
Lowe Bros. Co., Dayton, O.
Moline Paint Mfg. Co., Moline, Ill
Mound City Paint & Color Co., 217 S Garrison, St. Louis, Mo.
National Roofing Co., Tonawanda, N. Y.
Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.
Nice Eugene E., 272 S 2d, Phila., Pa.
Patterson-Sargent Co., 1325 E 38th, Cleveland, O.
Pecora Paint Co., 4th & Sedgley av, Phila., Pa.
Riesenman Mfg. Co. (Ltd.), Franklin, Pa.
Rinald Bros. Paint Works, Inc., Gray's Ferry rd & Grove, Phila., Pa.
St. Paul White Lead & Oil Co., Water & Starkey, St. Paul, Minn.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Sherwin-Williams Co., Cleveland, O
Sipe Jas. B. & Co., Dept. H, Bridgeville, Pa.
Stanley Chemical Co., East Berlin, Conn.
Thomson Wood Finishing Co., 329 N 3rd, Phila., Pa. *See adv index at end of book*
United States Graphite Co., Saginaw, Mich.
U. S. Gutta Percha Paint Co., 12-30 Dudley, Providence, R. I.
Voltax Co., 99 Reservoir av, Bridgeport, Conn.
Wadsworth Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.
Western Elatorite Roofing Co., ("Elaterite"), Equitable bldg, Denver, Colo.
Woolsey C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.

10543a— Paints (Dry)

Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
Cambria Paint & Color Co., Johnstown, Pa.
Globe Iron Roofing & Corrugating Co., Dept H. Newport, Ky.
McNulty Joseph A., 116 Liberty, New York
See adv index at end of book
Newport Rolling Mill Co., Newport, Ky.

10544— Paints (Earth)

Fuller W. P. & Co., 301 Mission, San Francisco, Cal.
McNULTY JOSEPH A. (The finest type Dry Earth Reds. Uniform quality guaranteed). 116 Liberty, New York
See adv index at end of book

Paints (Enamel)

See Enamels

10545— Paints (Fireproof)

American Copper Products Co. ("Kopperall"), 606 S Hill, Los Angeles, Calif.
Atlas Paint Co., Ltd., 18th st & W. P. R. R., Sharpsburg, Pittsburgh, Pa.
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
Cabot Samuel, Inc. ("Anti-Pyre"), 141 Milk, Boston, Mass.
See adv index at end of book
Cambria Paint & Color Co., Johnstown, Pa.
Fire Retardent Products Co. ("Retardo"), Hoff Magnesite Co. ("Hoffite Asbestos"), 333 Monadnock bldg, San Francisco, Cal.
Horn A. C. Co., H Horn bldg, Long Island City, N. Y.
Ironsides Co., 395-7 Broad, Columbus, O.
King Karbo Prod. Corp., 825 Concord, Pittsburgh, Pa.
Voltax Co., 89H Reservoir av, Bridgeport, Conn.

10546—Paints (Fire Resisting)

Acme Asbestos Covering & Supply Co. (For Spray Pumps & Brushes), 234 N. Elizabeth, Chicago, Ill.
Arco Co., Euclid av & E 65th, Cleveland, O.
Arlington Mfg. Co., Canton, O.
Atlas Paint Co., Ltd., 18th st & W. P. R. R., Sharpsburg, Pittsburgh, Pa.
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
Becker-Moore Paint Co., 2nd & Soulard, St. Louis, Mo.
BINSWANGER B. & CO., 835 N Third, Phila., Pa.
Bradford Jas. Co., Wilmington, Del.
Cambria Paint & Color Co., Johnstown, Pa.
Canton Paint & Glass Co., 324 Tuscarawas W, Canton, O.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, New York
Chilton Paint Co., College Point, L. I., N. Y.
Detroit Graphite Co., 518H 12th, Detroit, Mich.
Devoe & Raynolds Co., Inc., 101 Fulton, New York
Elaterite Paint Mfg. Co. ("Des Moines Elaterite"), Des Moines, Ia.
Federal Asbestos Co., Milwaukee, Wis
Federal Process Co., Cleveland, O
Fire Retardent Products Co. ("Retardo"), 2838 Hannah, Oakland, Cal.
Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, O.
Fort Pitt Oil & Paint Co., 3206 Penn av, Pittsburgh, Pa.
FOX M. EWING CO. ("Permanite" Water Paint), 241 E 136th, New York
French Sam'l H. & Co., 4th & Callowhill, Phila., Pa.
Fuller W. P. & Co., 301 Mission, San Francisco, Cal.
Globe Paint Co., Williamsport, Pa.
Goheen Corp. of N. J. (Acid Heat Resisting), 202 Emmett, Newark, N. J.
Great Lakes Refining Co. ("Jet Black"), 5716 Euclid av, Cleveland, O.
Hildreth Varnish Co., 90 West, New York
Hoff Magnesite Co. ("Hoffite"), H Monadnock bldg, San Francisco, Cal.
Horn A. C. Co., H Horn bldg, Long Island City, N. Y.
Ironsides Co., Columbus, O.
Jones Paint Co. ("Roofcoat"), Rome, N. Y.
King-Karbo Products Corp., 825 Concord, Pittsburgh, Pa.
Koppers Products Co. ("Koppax"), Union Arcade, Pittsburgh, Pa.
Lowe Bros. Co., Dayton, O.
Lucas John & Co., 322 Race, Phila., Pa.
Maire Paint Co., 329 Boston blk, Minneapolis, Minn.
National Bituminous Enamel & Paint Co., Key Highway at Lawrence, Baltimore, Md.
Nice Eugene E., 272 S 2d, Phila., Pa.
Ohmlac Paint & Refining Co., 140 S Dearborn, Chicago, Ill.
Patterson-Sargent Co., 1325 E 38th, Cleveland, O.
Patton Paint Co. (Asbestos), Milwaukee, Wis.
Pecora Paint Co., 4th & Sedgley av., Phila., Pa.
Price Fire & Water Proofing Co. ("Fire Foe" For Wood & Interior Decoration), Poughkeepsie, N. Y.
Riesenman Mfg. Co. (Ltd.), Franklin, Pa.
Rinald Bros. Paint Works, Inc., Gray's Ferry rd & Grove, Phila., Pa.
Schlatter C. C. & Co. (Dirs.), Fort Wayne, Ind.
Semet-Solvay Co. ("Solvay"), Syracuse, N. Y.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Stanley Chemical Co., East Berlin, Conn.
Stowell Mfg. Co., 240 Culver av, Jersey City, N. J.
Suydam M. B. Co., 61st & Butler, Pittsburgh, Pa.
Toch Bros. ("199 C. W." Paint), 320 5th av, New York
U. S. Gutta Percha Paint Co., 12-30 Dudley, Providence, R. I.
U. S. Refining Co., 1291 W 11th, Cleveland, O.
Voltax Co., 99 Reservoir av, Bridgeport, Conn.
Wadsworth, Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.
Warren Refining & Chemical Co., 942 Meech av, Cleveland, O.
Watson H. F. Co., Erie, Pa.
Western Elaterite Roofing Co. ("Elaterite"), Equitable bldg, Denver, Colo.

10547— Paints (Flat Wall)

Acme White Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
Atlas Paint Co., Ltd., 18th st & W. P. R. R., Sharpsburg, Pittsburgh, Pa.
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
Bradley-Wise Paint Co. ("Bradleys"), 49th & Pacific blvd, Los Angeles, Cal.
Butler J. G., Bldrs'. Supply Co., 24 Congress W, Savannah, Ga.
California Paint Co., Oakland, Cal.
Cambria Paint & Color Co., Johnstown, Pa.
Certain-teed Products Co., Boatman's Bank bldg, St. Louis, Mo.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, New York
Connors Wm. Paint Co., H River, Troy, N. Y.
Continental Products Co., Quebec av, Cleveland, O.
Detroit Graphite Company ("Degreo-Tone"), 518 12th, Detroit, Mich.
Devoe & Raynolds Co., Inc. ("Devoe"), 101 Fulton, New York
Enterprise Paint Mfg. Co. ("Satin Finish"), 333 S. Peoria, Chicago, Ill.
Globe Paint Co., Williamsport, Pa.
Goheen Corp. of N. J., 202 Emmett, Newark, N. J.
Fuller W. P. Co., 301 Mission, San Francisco, Cal.
Heath & Milligan Mfg. Co., 1833 Seward, Chicago, Ill.
Horn A. C. Co., H Horn bldg, Long Island City, N. Y.
Lewis Jno. T. & Bro. Co., Lafayette bldg, Phila., Pa.
Matthews Paint Co., 219 S Los Angeles, Los Angeles, Cal.
National Roofing Co., Tonawanda, N. Y.
Nice Eugene Co., 272 S 2d, Phila., Pa.
Patton Paint Co., Milwaukee, Wis.
Pecora Paint Co., 4th & Sedgley av., Phila, Pa.
Rinald Bros. Paint Works, Inc. ("Uni-coat"), Gray's Ferry rd & Grove, Phila., Pa.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Southern Cotton Oil Co. ("Scoco"), 120 B'way, New York
Stanley Chemical Co., East Berlin, Conn.
Star-Peerless Wall Paper Mills, 1314 Benton, Joliet, Ill.
Thomson Wood Finishing Co. ("Sanotone"), 329 N 3rd, Phila., Pa.
See adv index at end of book
U. S. Gutta Percha Paint Co., 12-30 Dudley, Providence, R. I.
Vaughan Paint Co., Columbus & Big 4 R. R., Cleveland, Ohio
Voltax Co., 99 Reservoir av, Bridgeport, Conn.
WOOLSEY C. A. PAINT & COLOR CO. ("Menitone"), 490 Grand, Jersey City, N. J.

10547a— Paints (Floor Concrete)

Acme White Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
Atlas Paint Co., Ltd., 18th st & W. P. R. R., Sharpsburg, Pittsburgh, Pa.
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
Concrete Waterproof Paint Co., 529 N 3rd, Phila., Pa. *See adv index at end of book*
Fuller W. P. & Co., 301 Mission, San Francisco, Cal.
Globe Paint Co., Williamsport, Pa.
King Karbo Prod. Corp., 825 Concord, Pittsburgh, Pa.
National Roofing Co., Tonawanda, N. Y.
Stanley Chemical Co., East Berlin, Conn.
Toch Bros. ("R. I. W."), 320H 5th av, New York
Truscon Laboratories ("Color Tex"), Ca-niff & G. T. R. R., Detroit, Mich.
U. S. Gutta Percha Paint Co., 12-30 Dudley, Providence, R. I.
Vitrifyx Co., 2528 W Congress, Chicago, Ill.

10548—Paints for Coating & Preserving Iron & Steel

Acheson Graphite Co. (Graphite), Niagara Falls, N. Y.
Acme White Lead & Color Wks., 8250 St. Aubin, Detroit, Mich.
Adams & Elting Co. ("Ad-el-ite"), 1835 Seward, Chicago, Ill.
Alcatraz Co., Inc., 3200 Williamsburg av, Richmond, Va.
Allen Anti-Rust Mfg. Co., 107 Government pl, Covington, Ky.
American Tar Products Co., 208 S La Salle, Chicago, Ill.
Antakwa Co., 133 W Washington, Chicago, Ill.
Arco Co., Euclid av. & E 65th, Cleveland, O.
Arlington Mfg. Co. ("Carbonelastic" Coating), Canton, O.
ATLAS PAINT CO., LTD., 18th st & W. P. R. R., Sharpsburg, Pittsburgh, Pa.
Ball Chemical Co., Fulton bldg, Pittsburgh, Pa.
Barrett Co. ("Everjet"), 40 Rector, New York
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
Becker-Moore Paint Co., 2nd & Soulard, St. Louis, Mo.
Bethlehem Steel Co. ("Cunningham" Coal Tar), S Bethlehem, Pa.
Betts C. G. Co., E 1202 Sprague av, Spokane, Wash.
Billings-Chapin Co. ("Rustnought"), Cleveland, O.
BINSWANGER B. & CO. (M. P. Coating), 835 N Third, Philadelphia, Pa.

Black Diamond Mfg. Co., 1219 Bank, Cincinnati, O.
Blocki-Brennan Refining Co. ("Carboxide" Elastic Metal Preserver), 3300 W 31st st, Chicago, Ill.
Blood T. L. & Co., 413 Wacouta, St. Paul, Minn.
Bradford Jas. Co., Wilmington, Del.
Bradley-Wise Paint Co. ("Bradleys"), 49th & Pacific blvd, Los Angeles, Cal.
Brandes Chemical Co., 87 34th, Brooklyn, N. Y.
Buckeye Paint & Varnish Co., Toledo, O.
Buffalo Oil, Paint & Varnish Co., 24 Evans, Buffalo, N. Y.
Burgess Fobes & Co., 106 Commercial, Portland, Me.
Cabot Samuel (Inc.), 141 Milk, Boston, Mass.
See adv index at end of book
California Paint Co., Oakland, Cal.
Cambria Paint & Color Co. (Ltd.), Johnstown, Pa.
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Carbon Paint Co. ("C. P. P."), Felt bldg, Salt Lake City, Utah
Carey Philip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, O.
Certain-teed Products Co. ("Certain-teed"), Boatman's Bank bldg, St. Louis, Mo.
Chatfield Mfg. Co. ("Carbo" Black Enamel), Carthage, Cincinnati, O.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, New York
CHICAGO VARNISH WORKS, 2100 Elston av, Chicago, Ill.
Chilton Paint Co., College Point, L. I., N. Y.
Climax Refining Co., Williamson bldg, Cleveland, Ohio.
Clinton Metallic Paint Co. ("Clinton"), Dept. H, Clinton, N. Y.
Connors Wm. Paint Mfg. Co. ("American Seal" Anti-Rust), Troy, N. Y.
Conrad Wood Preserving Co., 118 Plymouth av, Minneapolis, Minn.
Continental Products Co., Quebec av, Cleveland, O.
Cooledge F. J. & Sons, Atlanta, Ga.
Debevoise Company, 968 Grand, Brooklyn, N. Y.
Detroit Graphite Co. ("Superior" Graphite), 518 12th, Detroit, Mich.
Detroit White Lead Works, 560 E Milwaukee, Detroit, Mich.
Devoe & Raynolds Co., Inc., 101 Fulton, New York
Dixon Joseph Crucible Co. ("Dixon's" Silica-Graphite), Jersey City, N. J.
Doggett Stanley, 11 Cliff, New York
DU PONT E. I. DE NEMOURS & CO., INC., Paint & Varnish Dept. (see adjacent adv), 3500 Grays Ferry rd, Philadelphia, Pa.
See adv index at end of book
Eagle Paint & Varnish Co. (Guaranteed Structural), 225 Galveston, Pittsburgh, Pa.
Elaterite Paint & Mfg. Co. ("Des Moines" Elaterite"), Des Moines, Ia.
Elaterite Varnish & Rubber Co. ("Elaterite"), 55th & Alameda, Los Angeles, Cal.
Eureka Chemical Co., 970 Grand av, Brooklyn, N. Y.
Federal Process Co., Cleveland, O.
Felton, Sibley & Co., 136 N 4th, Phila., Pa.
Flintkote Co. ("Rex"), 88 Pearl, Boston, Mass.
Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, O.
Fort Pitt Oil & Paint Co., 3206 Penn av, Pittsburgh, Pa.
Frazer Paint Co., Hubbard & M. C. R. R., Detroit, Mich.
French Samuel H. & Co., 4th & Callowhill, Phila., Pa.
Fuller W. P. & Co. ("Pioneer" Red Lead Premier Graphite Paint), 301 Mission, San Francisco, Cal.
Garden City Sand Co., Chamber of Commerce bldg, Chicago, Ill.
Glidden Co., Madison av & Berea rd, Cleveland, O.
Globe Paint Co., Williamsport, Pa.
Goheen Corp. of N. J. (Carbonizing Coating), 202 Emmett, Newark, N. J.
Great Lakes Refining Co. ("Jet Black"), 5716 Euclid av, Cleveland, O.
Hammond Process Co. ("Ferox" Iron Oxide), Norwich, Conn.
Hanna Paint Mfg. Co., Columbus, O.
Hardy Paint & Varnish Co., Toledo, O.
Hascall Paint Co., W 70th, Cleveland, O.
Heath & Milligan Mfg. Co., 1833 Seward, Chicago, Ill.
Hildreth Varnish Co., 90 West, New York
Hill Hubbell & Co. ("Biturine"), 115 Davis, San Francisco, Cal.
Horn A. C. Co., H Horn bldg, Long Island City, N. Y.
Imperial Paint Co. ("Impaco"), 80 10th, Long Island City, N. Y.
IMPERVIOUS VARNISH CO., 421 Wood st, Pittsburgh, Pa.
Iowa Paint Mfg. Co., Fort Dodge, Ia.
Ironsides Co., Columbus, O.
Jenkins Paint & Oil Co., Norfolk, Va.
Johnston R. F. Paint Co., Pearl & Main, Cincinnati, O.
Jones Paint Co. ("Elastic Enamel"), Rome, N. Y.
Kay & Ess Co., Dayton, O.
Keystone Albumen & Paint Co., 1346 N Marston, Phila., Pa.
Keystone Paint & Filler Co., Muncy, Pa.
Koppers Products Co. ("Koppax"), Union Arcade, Pittsburgh, Pa.
Lawrence W. W. & Co., W Carson, Pittsburgh, Pa.
Lewis Jno. T. & Bros. Co., Lafayette bldg, Phila., Pa.
Lincoln Paint & Color Co., Lincoln, Neb.
Long Chas. R., Jr., Co., Louisville, Ky.
Lowe Bros. Co., Dayton, O.
Lucas John & Co. ("Metafife"), 322 Race, Phila., Pa.
McNaughton Wm. D., 198 Lefferts pl, Brooklyn, N. Y.
Mamolith Carbon Paint Co., 2d & Main, Cincinnati, O.
Means & Thatcher ("Thermolin"), Norfolk Downs, Quincy, Mass.
Minwax Co., 18 E 41st, New York
Monarch Paint Co., W 70th, Cleveland, O.
Moore Benjamin & Co., 231 Front, Brooklyn, N. Y.
Moran Paint & Oil Co., H 383 Brennan, San Francisco, Cal.
Mound City Paint & Color Co., 217 S Garrison, St. Louis, Mo.
National Roofing Co. ("Egyptian," "Corporation," "Black Knight"), Tonawanda, N. Y.
Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.
Nice Eugene E., 272 S 2d, Phila., Pa.
Nubian Paint & Varnish Co. ("Carbonkote," "Brewice" for Ice Cans, Brine Tanks & Ammonia Pipes, etc.), 1856 Leclair av, Chicago, Ill.
Ohio Chemical Co., Findlay, O.
Ohmlac Paint & Refining Co., 140 S. Dearborn, Chicago, Ill.
Otley Paint Mfg. Co. ("Eureka" Graphite, etc), 1742 N Winchester av, Chicago, Ill.
Pacific Graphite Works, 40th & Linden, Oakland, Cal.
Paraffin Cos., Inc., 475 Brannan, San Francisco, Cal.
Parker C. H. Co., Valapariso, Ind.
See adv index at end of book
Patterson-Sergent Co. ("Nobrac"), 1325 E 38th, Cleveland, O.
Patton Paint Co. ("Ironhide"), Milwaukee, Wis.
Pecora Paint Co., 4th & Sedgley av., Phila., Pa.
Phelan-Faust Paint Mfg. Co. ("Edixo Metal Kote"), 1008 Pine, St. Louis, Mo.
Polygon Products Co. ("Langdon"), 141 Milk, Boston, Mass.
Popplein G. & N., 220 Guilford, Baltimore, Md
Preservative Paint Co., 5410 Duwanish av, Seattle, Wash.
Preservative Products Co. ("Esco"), 1133 B'way, New York
Prince James H. Paint Co., 5 Lancaster, Boston, Mass.
Prince Mfg. Co. (Double Label Mineral Brown), 165 B'way, New York
Protectus Paint Co., North American bldg, Phila., Pa.
PROTEXOL CORP., 41 Barclay, New York
See adv index at end of book
Pyramid Paint Co. ("Kant-Korod"), 133 N 22d, Phila., Pa.
Reeder Jno. S. (Cold Japan), Hamilton, O.
Reeves Co. ("Lone Star"), 805 Howard av, New Orleans, La.
Reiseman Mfg. Co. (Ttd.), ("Eclipse"), Franklin, Pa.
Reliance Paint Co., 357 Bond, Brooklyn, N. Y.
Rezilite Mfg. Co. ("Rezilite"), People's Gas bldg, Chicago, Ill.
Ricketson Mineral Paint Works, South Bay, Milwaukee, Wis.
Rinald Bros. Paint Wks. Inc. ("Bessemer" Rustproof), Gray's Ferry road & Grove Phila., Pa.
Rossie Iron Ore Paint Co., Ogdensburg, N. Y.
RUBEROID CO., THE ("Ruberoid"), 95 Madison av, New York
See adv index at end of book

RU-BER-OID
PAINTS
Ruberoid Utility Paint—A black paint for preserving metal or wood, adapted to use on piping, machinery, tanks, mine cars, trolley boxes, etc.
Ruberoid Boiler and Stack Paint—A paint for application to boiler fronts, metal stacks, steam pipes, radiators, etc., for protection against weather and corrosive fumes.
Special Asphalt Paint—A black, inexpensive, protective paint.
The RUBEROID Co., 95 Madison Ave., New York

Rubber Paint Co., cor Warner & Wooster, Baltimore, Md.
St. Louis Surfacer & Paint Co. ("Metalsteel"), Arlington & Terminal & Belt Line, St. Louis, Mo.
St. Paul White Lead & Oil Co., Water & Starkey, St. Paul, Minn.
Semet-Solvay Co. ("Crysolite"), Syracuse, N. Y.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Sherwin-Williams Co., Cleveland, O.
Shoemaker Robt. & Co., 4th & Race, Phila., Pa.
Sipe Jas. B. & Co., Dept. H, Bridgeville, Pa.
Smith Edw. & Co., 127 W av, Long Island City, N. Y.
Solar Compounds Corp. ("Soldura"), Stockton, Newark, N. J.
Sonneborn L. Sons ("Amalie"), 114 5th av, New York
Southern Cotton Oil Co. ("Scoco"), 120 B'way, New York
Southwestern Paint & Varnish Co., 610 Broadway, Kansas City, Mo.
Spirittine Chemical Co. ("Spirittine"), Wilmington, N. C.
Stanley Chemical Co., East Berlin, Conn.
Star-Peerless Wall Paper Mills, 1314 Benton, Joliet, Ill.
Sterling Varnish Co. (Black Iron Enamel), Fulton bldg, Pittsburgh, Pa.
Stowell Mfg. Co., 240 Culver av, Jersey City, N. J.
Superior Flake Graphite Co., 76 W Monroe, Chicago, Ill.
Suydam M. B. Co., 61st & Butler, Pittsburgh, Pa.
Swift Paint Co. ("Black Giant," Front End Enamel), 10550 Euclid av, Cleveland, O.
Thompson & Co. ("Diamond"), 857 W North, Pittsburgh, Pa.
Toch Bros. ("Tockolith" & "R. I. W."), 320 5th av, N S, New York
Tropical Paint & Oil Co. ("Elastikote" "Toco" Graphite), W 70th, Cleveland, Ohio
Trus-Con Laboratories, Caniff & Grant R R., Detroit, Mich.
Tucker Mfg. Co., 17 E 137th, New York
Tuco Products Corp. ("Tuco"), 30 Church, New York
Ulster Paint Works, Ellenville, N. Y.
United States Graphite Co., Saginaw, Mich.
U. S. Gutta Percha Paint Co., 12-30 Dudley, Providence, R. I.
United States Refining Co., 1291 W 11th, Cleveland, O.
Vitrifyx Co., 2528 W Congress, Chicago, Ill.
Voltax Co., 99 Reservoir av, Bridgeport, Conn.
Vulcanite Roofing Co. ("W. & P."), 16th & Texas, San Francisco, Cal.
Wadham's Oil Co., 359 Clinton, Milwaukee, Wis.
Wadsworth-Howland Co. ("Bay State" Steel & Protective Coating), 141 Federal, Boston, Mass.
Wailes Dove-Hermiston Corp. ("Hermastic" "Bitumastic"), 17H Battery pl, New York.
Warren Paint & Color Co., Nashville, Tenn.
Warren Refining & Chemical Co., 9420 Meech av, Cleveland, O.
Watson H. F. Co. (Red & Oxide Metallic), Erie, Pa.
Western Elaterite Roofing Co. ("Elaterite"), Equitable bldg, Denver, Colo.
Western Paint Co., 513 N 29th, Portland, Ore.
Wilhelm A. Co., Reading, Pa.
WOOLSEY C. A. PAINT & COLOR CO., 490 Grand, Jersey City, N. J.

10549— Paints (Freight Car)

Acme White Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
Atlas Paint Co., Ltd., 18th st & W. P. R. R., Sharpsburg, Pittsburgh, Pa.
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
Cambria Paint & Color Co., Johnstown, Pa.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
Clinton Metallic Paint Co. ("Clinton"), Dept. H, Clinton, N. Y.
Fuller W. P. & Co. ("Pioneer" Red Lead), 301 Mission, San Francisco, Cal.
Globe Paint Co., Williamsport, Pa.
Horn A. C. Co., H Horn bldg, Long Island City, N. Y.
Impervious Varnish Co., 421 Wood, Pittsburgh, Pa.
National Roofing Co., Tonawanda, N. Y.
Nice Eugene E., 272 S 2d, Phila., Pa.
Southern Cotton Oil Co. ("Scoco"), 120 B'way, New York
Voltax Co., 99 Reservoir av, Bridgeport, Conn.

10550— Paints (Fume Proof)

Atlas Paint Co., Ltd., 18th st & W. P. R. R., Sharpsburg, Pittsburgh, Pa.
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
Cambria Paint & Color Co., Johnstown, Pa.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
Hildreth Varnish Co., 90 West, New York
Horn A. C. Co., H Horn bldg, Long Island City, N. Y.
Jones Paint Co., Rome, N. Y.
King-Karbo Products Corp., 325 Concord, Pittsburgh, Pa.
Koppers Products Co. ("Koppax"), **Union Arcade, Pittsburgh, Pa.**
National Roofing Co., Tonawanda, N. Y.
Polygon Products Co. ("Langon"), 141 Milk, Boston, Mass.
Toch Bros., 320 5th av, New York
Trus-Con Laboratories, Detroit, Mich.
U. S. Gutta Percha Paint Co., 12-30 Dudley, Providence, R. I.
Voltax Co., 99 Reservoir av, Bridgeport, Conn.

Paints (Gold)

See Paints, Aluminum & Gold

10551— Paints (Graphite)

Acheson Graphite Co., Niagara Falls, N. Y.
Acme White Lead & Color Works, St. Aubin & M. C. R.R., Detroit, Mich.

(Continued on following page)

Paints (Gold)—Continued

Arco Co., Euclid av & E 65th, Cleveland, Ohio.
Arlington Mfg. Co., Canton, O.
Atlas Paint Co., Ltd., 18th st & W. P. R. R., Sharpsburg, Pittsburgh, Pa.
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
Becker-Moore Paint Co., 2nd & Soulard, St. Louis, Mo.
BINSWANGER B. & CO., 835 N 3rd, Philadelphia, Pa.
Blood T. L. & Co., 413 Wacouta, St. Paul, Minn.
Boydell Bros. White Lead & Color Co., 432 E Lafayette, Detroit, Mich.
Bradford Jas. Co., Wilmington, Del.
Brown Chas H. Paint Co., 262 Fulton, Brooklyn, N. Y.
Buckeye Paint & Varnish Co., Toledo, O.
Buffalo Oil, Paint & Varnish Co., 24 Evans, Buffalo, N. Y.
California Paint Co., Oakland, Cal.
Cambria Paint & Color Co. (Ltd.), Johnstown, Pa.
Carbon Paint Co. ("C. P. P."), Felt bldg, Salt Lake City, Utah
Certain-teed Products Corp, Boatmen's Bank bldg, St. Louis, Mo.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
CHICAGO VARNISH WORKS, 2100 Elston av, Chicago, Ill.
Chilton Paint Co., 81 Fulton, New York
Connors Wm. Paint Mfg. Co. ("American Seal"), Troy, N. Y.
Continental Products Co., Quebec av, Cleveland, O.
Cooledge F. J. & Sons, Atlanta, Ga.
Detroit Graphite Co. ("Superior" Graphite), 518 12th, Detroit, Mich.
Detroit White Lead Works, 560 E. Milwaukee, Detroit, Mich.
Devoe & Raynolds Co., Inc., 101 Fulton, New York
Dixon Joseph Crucible Co., Jersey City, N. J.
DU PONT E. I. de NEMOURS & CO., INC., Paint & Varnish Dept. (see adjacent adv), 3500 Grays Ferry rd, Phila., Pa.
See adv index at end of book
Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, O.
Fort Pitt Oil & Paint Co., 3206 Penn av, Pittsburgh, Pa.
French Sam'l H. & Co., 5th & Callowhill, Phila., Pa.
Fuller W. P. & Co., 301 Mission, San Francisco, Cal.
Globe Iron Roofing & Corrugating Co., Dept. H, Newport, Ky.
Globe Paint Co., Williamsport, Pa.
Goheen Corp. of N. J., 202 Emmett, Newark, N. J.
Hildreth Varnish Co., 90 West, New York
Impervious Varnish Co., 421 Wood, Pittsburgh, Pa.
Jones Paint Co., Rome, N. Y.
Kay & Ess Co., Dayton, O.
Lawrence W. W. & Co. ("Duquesne" & "Lawrence"), Pittsburgh, Pa.
Lincoln Paint & Color Co. ("Aztec"), Lincoln, Neb.
Lucas John & Co., 322 Race, Phila., Pa.
Miller & Graham, 21 S Gay, Baltimore,
Moore Benjamin & Co., 231 Front, Brooklyn, N. Y.
Moran Paint & Oil Co., H 383 Brannan, San Francisco, Cal.
Mound City Paint & Color Co., 217 S. Garrison, St. Louis, Mo.
National Roofing Co., Tonawanda, N. Y.
Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.
Newport Rolling Mill Co., Newport, Ky.
Nice Eugene E., 272 S 2d, Phila., Pa.
Otley Paint Mfg. Co. (Mixed in Oil), 1742 N Winchester av, Chicago, Ill.
Pacific Graphite Works, 40th & Linden, Oakland, Cal.
Patterson-Sargent Co., 1325 E 38th, Cleveland, O.
Patton Paint Co., Milwaukee, Wis.
Permatex Co. Inc. ("Permatex" Rim), Sheepshead Bay, N. Y.
Richmond Bros., 114 W 5th, Cincinnati, O.
Riesenman Mfg. Co. (Ltd.), Franklin, Pa.
Rinald Bros. Paint Wks. Inc., Gray's Ferry road & Grove, Philadelphia, Pa.
Robinson Paint Co., Aurora, Ill.
St. Louis Surfacer & Paint Co., Arlington & Terminal & Belt Line, St. Louis, Mo.
St. Paul White Lead & Oil Co. ("Lion"), Water & Starkey, St. Paul, Minn.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Sherwin-Williams Co., Cleveland, O.
Southern Cotton Oil Co. ("Scoco"), 120 B'way, New York
Stanley Chemical Co., East Berlin, Conn.
Star-Peerless Paper Mills, 1314 Benton, Joliet, Ill.
Superior Flake Graphite Co., 76 W Monroe, Chicago, Ill.
Suydam M. B. Co., 61st & Butler, Pittsburgh, Pa.
Thompson & Co., 857 W North av, Pittsburgh, Pa.
Tropical Paint & Oil Co. ("Toco"), W 70th, Cleveland, O.
United States Graphite Co., Saginaw, Mich.
Voltax Co., 99 Reservoir av, Bridgeport, Conn.
Wadsworth-Howland Co., 225 N Carpenter, Chicago, Ill.
Warren Paint Co., Warren, O.
Warren Refining & Chemical Co., 9420 Meech av, Cleveland, O.
Wilhelm A. Co., Reading, Pa.
Woodtite Laboratories, Modesto, Cal.
Woolsey C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.
Youngstown Sheet & Tube Co., Youngstown, Ohio

Paints (Heat Resisting)

See Paints, Fire Resisting

Paints (Hydraulic)

See Waterproofing Materials

10552— Paints (Ice Can)

Allen Anti-Rust Mfg. Co., 107 Government pl, Covington, Ky.
Arco Co., Euclid av & E 65th, Cleveland, Ohio.
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
Black Diamond Paint & Varnish Works ("Vol-Ka-No" Black), 1219 Bank, Cincinnati, O.
Cambria Paint & Color Co., Johnstown, Pa.
Federal Process Co., Cleveland, O.
Fuller W. P. & Co., 301 Mission, San Francisco, Cal.
Globe Paint Co., Williamsport, Pa.
Horn A. C. Co., H Horn bldg, Long Island City, N. Y.
Klein Mfg. Co., H American Trust bldg, Cleveland, Ohio
National Roofing Co., Tonawanda, N. Y.

10553— Paints (Insulating)

See also Varnishes, Insulating

Acme White Lead & Color Works, St. Aubin & M. C. R.R., Detroit, Mich.
Antakwa Co., 133 W Washington, Chicago, Ill.
Arco Co., Euclid av & E 65th, Cleveland, O.
Arlington Mfg. Co., Canton, O.
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
Becker-Moore Paint Co., 2nd & Soulard, St. Louis, Mo.
Cabot Samuel, Inc., 141 Milk, Boston, Mass. *See adv index at end of book*
California Paint Co., Oakland, Cal.
Cambria Paint & Color Co., Johnstown, Pa.
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
Chesapeake Oil Co., Ostend & Leadenhall, Baltimore, Md.
Chicago Mica Co. ("Champion"), Valparaiso, Ind.
Cochrane Chemical Co., 432 Danforth av, Jersey City, N. J.
Defiance Mfg. Co., 22 E 41st, New York
Devoe & Raynolds Co., Inc., 101 Fulton, New York
Dielectric Mfg. Co., 224 S Vandeventer av, St. Louis, Mo.
Elaterite Paint & Mfg. Co. ("Des Moines Elaterite"), Des Moines, Ia.
Flintkote Co. ("Rex"), 88 Pearl, Boston, Mass.
Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, O.
Fort Pitt Oil & Paint Co., 3206 Penn av, Pittsburgh, Pa.
Fuller W. P. & Co., 301 Mission, San Francisco, Cal.
General Electric Co., Schenectady, N. Y. *See adv index at end of book*
Glidden Co., Madison av & Berea rd, Cleveland, O.
Globe Paint Co., Williamsport, Pa.
Hanna Paint Mfg. Co., Columbus, O.
Horn A. C. Co., H Horn bldg, Long Island City, N. Y.
IMPERVIOUS VARNISH CO., 421 Wood, Pittsburgh, Pa.
Insulatine Co., 1 Broadway, New York
Insulating Materials Co., 805 Wesson av, Detroit, Mich.
Jamestown Paint & Varnish Co., Jamestown, Pa.
Lehon Co., 4451 South Oakley av, Chicago, Ill. *See adv index at end of book*
Mica Insulator Co. ("M. I. C.," "Linolac"), 68 Church, New York
Mitchell-Rand Mfg. Co., 26 Vesey, New York
National Bituminous Enamel & Paint Co., Key Highway at Lawrence, Baltimore, Md.
National Roofing Co., Tonawanda, N. Y.
Nice Eugene E., 272 S 2d, Phila., Pa.
Ohmiac Paint & Refining Co. ("Insulaterite"), 140 S Dearborn, Chicago, Ill.
Paraffin Cos., Inc. ("Pabco," "P. & B."), 475 Brannan, San Francisco, Cal.
Paragon Insulating Co., 5716 Euclid, Cleveland, O.
Patterson-Sargent Co., 1325 E 38th, Cleveland, O.
Patton Paint Co., Milwaukee, Wis.
Protectus Paint Co., North American bldg, Phila., Pa.
Riesenman Mfg. Co. (Ltd.), Franklin, Pa.
Robertson Chemical Co., 9808 Meech av, Cleveland, O.
RUBEROID CO., THE ("Ruberoid"), 95 Madison av, New York
See adv index at end of book

RU-BER-OID
Insulating Paints

P & B Rapid Asphalt Paint—An insulating compound, especially adapted to use on cables, switchboards, trolley boxes, shelves, conduit joints, etc.

P & B Insulating Varnish—A black, air-drying compound for all electrical construction and maintenance work. It is adapted to shop repair work as well as outside needs.

The RUBEROID Co., 95 Madison Ave., New York

Semet-Solvay Co. ("Solvay"), Syracuse, N. Y.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Sherwin-Williams Co., Cleveland, O.
Sipe Jas. B. & Co., Dept. H, Bridgeville, Pa.
Southwestern Paint & Varnish Co., 610 Broadway, Kansas City, Mo.
Standard Varnish Works, 90 West, New York.
Sterling Varnish Co., Fulton bldg, Pittsburgh, Pa.
Suydam M. B. Co., 61st & Butler, Pittsburgh, Pa.
Toch Bros. ("R. I. W."), 320 5th av, New York
U. S. Gutta Percha Paint Co., 12-30 Dudley, Providence, R. I.
Voltax Co., 99 Reservoir av, Bridgeport, Conn.
Wadsworth-Howland & Co., 141 Federal, Boston, Mass.

10554-5—Paints (Iron Oxide)

Acme White Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
Allentown Mfg. Co., 24 S 6th, Allentown, Pa.
Arlington Mfg. Co., Canton, O.
Armstrong Paint & Varnish Works ("Iron-ox"), 2502 S Paulina, Chicago, Ill.
ATLAS PAINT CO., THE, 18th st & W. P. R. R., Sharpsburg, Pittsburgh, Pa.
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
Becker-Moore Paint Co., 2nd & Soulard, St. Louis, Mo.
BINSWANGER B. & CO. ("Sanaloid"), 835 N 3rd, Philadelphia, Pa.
Cambria Paint & Color Co., Johnstown, Pa.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
Chilton Paint Co., College Point, L. I., N. Y.
Clinton Metallic Paint Co. ("Clinton"), Dept. H, Clinton, N. Y.
Devoe & Raynolds Co., Inc., 101 Fulton, New York
Elaterite Varnish & Rubber Co. ("Elaterite"), 55th & Alameda, Los Angeles, Cal.
Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, O.
Fort Pitt Oil & Paint Co., 3206 Penn av, Pittsburgh, Pa.
French Sam'l H. & Co., 4th & Callowhill, Phila., Pa.
Fuller W. P. & Co. (Red Oxide), 301 Mission, San Francisco, Cal.
Gateways, Inc. ("Gateways"), 26th & Virginia av, Newport News, Va.
Globe Paint Co., Williamsport, Pa.
Goheen Corp. of N. J., 202 Emmett, Newark, N. J.
Hammond Process Co. ("Ferox"), Norwich, Conn.
Hanna Paint Mfg. Co., Columbus, O.
Jamestown Paint & Varn. Co., Jamestown, Pa.
Kay & Ess Co., Dayton, O.
Lawrence W. W. & Co. ("Gold Star," "Lawrence," "Norwood," "Du-Kane" Red), W. Carson, Pittsburgh, Pa.
Lookout Paint Mfg. Co., Chattanooga, Tenn.
Lowe Bros. Co., Dayton, O.
Lucas John & Co., 322 Race, Phila., Pa.
National Roofing Co., Tonawanda, N. Y.
Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.
Nice Eugene E., 272 S 2d, Phila., Pa.
Paraffin Co.'s, Inc. ("Pabco," "P. & B."), 475 Brannan, San Francisco, Cal.
Patton Paint Co., Milwaukee, Wis.
Riesenman Mfg. Co. (Ltd.), Franklin, Pa.
Rossie Iron Ore Paint Co. ("Rossie" Red Oxide Ore), Ogdensburg, N. Y.
St. Louis Surfacer & Paint Co., Arlington & Terminal & Belt Line, St. Louis, Mo.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Sherwin-Williams Co., Cleveland, O.
Sipe Jas. B. & Co., Dept. H, Bridgeville, Pa.
Stanley Chemical Co., East Berlin, Conn.
Suydam M. B. Co., 61st & Butler, Pittsburgh, Pa.
Trus-Con Laboratories, Caniff & Grant R. R., Detroit, Mich.
U. S. Gutta Percha Paint Co., 12-30 Dudley, Providence, R. I.
Wilhelm A. Co., Reading, Pa.
Woolsey C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.

10556—Paints (Locomotive)

See also Paints for Coating & Preserving Iron & Steel

Atlas Paint Co., Ltd., 18th st & W. P. R. R., Sharpsburg, Pittsburgh, Pa.
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
California Paint Co., Oakland, Cal.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
Fuller W. P. & Co., 301 Mission, San Francisco, Cal.
Globe Paint Co., Williamsport, Pa.
Goheen Corp. of N. J., 202 Emmett, Newark, N. J.
Jones Paint Co., Rome, N. Y.
National Roofing Co., Tonawanda, N. Y.
Paraffin Co.'s, Inc. ("Pabco," "P. & B."), 475 Brannan, San Francisco, Cal.
Patton Paint Co., Milwaukee, Wis.
Stanley Chemical Co., East Berlin, Conn.
Voltax Co., 99 Reservoir av, Bridgeport, Conn.

10557—Paints (Machinery)

See also Paints for Coating & Preserving Iron & Steel

Acme White Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
ATLAS PAINT CO., LTD., 18th st & W. P. R. R., Sharpsburg, Pittsburgh, Pa.
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
BINSWANGER B. & CO., 835 N 3rd, Phila., Pa.
Bradley-Wise Paint Co. ("Bradleys"), 49th & Pacific blvd, Los Angeles, Cal.
Cambria Paint & Color Co., Johnstown, Pa.
Carbon Paint Co. ("C. P. P."), Felt bldg, Salt Lake City, Utah
Cheesman-Elliott Co., 23 Flatbush av, Brooklyn, N. Y.
Continental Products Co., Quebec av, Cleveland, O.
Detroit Graphite Co. ("Degraco"), 518 12th, Detroit, Mich.
Fuller W. P. & Co., 301 Mission, San Francisco, Cal.
Globe Paint Co., Williamsport, Pa.
National Roofing Co., Tonawanda, N. Y.
Patton Paint Co., Milwaukee, Wis.
Pecora Paint Co., 4th & Sedgley av, Phila., Pa.
PROCTOR & SCHWARTZ, INC. (Drying), 7th & Tabor rd, Phila., Pa.
Southern Cotton Oil Co. ("Scoco"), 120 B'way, New York
Stanley Chemical Co., East Berlin, Conn.
U. S. Gutta Percha Paint Co., 12-30 Dudley, Providence, R. I.
Voltax Co., 99 Reservoir av, Bridgeport, Conn.
WOOLSEY C. A. PAINT & COLOR CO., 490 Grand, Jersey City, N. J.

10558-9— Paints (Marine)

See also Paints, Copper

Acme White Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
Allentown Mfg. Co., 24 S 6th, Allentown, Pa.
Amalgamated Paint Co. ("Amalco," "Amalgamated," House & Structural), Pier 11, North River, New York
American Marine Paint Co. ("Cape Cod" & "Germicide Composition"), 311 California, San Francisco, Cal.
American Wood Preserving Co., 8743 N Marshfield, Chicago, Ill.
Antakwa Co., 133 W Washington, Chicago, Ill.
Arco Co., Euclid av & E 65th, Cleveland, Ohio
Arlington Mfg. Co., Canton, Ohio
Aspinwall Geo. H. (Inc.), Cornelison, Jersey City, N. J.
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
Billings-Chapin Co., 1163 E 40th, Cleveland, O.
BINSWANGER B. & CO., 835 N 3rd, Phila., Pa.
Bledell Composition Co., 813 Mission, San Francisco, Cal.
Bradley-Wise Paint Co. ("Bradleys"), 49th & Pacific blvd, Los Angeles, Cal.
Bredell's Composition Co., 521 Washington, New York
Buffalo Oil, Paint & Varnish Co., 24 Evans, Buffalo, N. Y.
Cambria Paint & Color Co., Johnstown, Pa.
California Paint Co., Oakland, Cal.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
Chicago Varnish Works, 2100 Elston av, Chicago, Ill.
Chilton Paint Co., 81 Fulton, New York
Connors Wm. Paint Mfg. Co., Troy, N. Y.
Continental Products Co., Quebec av, Cleveland, O.
Crockett D. B. Co., 277 Mt. Grove, Bridgeport, Conn.
Cuirass Products Ltd., 1123 World bldg, New York
Devoe & Raynolds Co., Inc., 101 Fulton, New York
Federal Composition & Paint Co., Ltd., 17 Battery pl, New York
Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, O.
French Saml. H. & Co., 4th & Callowhill, Phila., Pa.
Fuller W. P. & Co. ("Fullers" Marine Paints), 301 Mission, San Francisco, Cal.
Gateways, Inc. ("Gateways"), 26th & Virginia av, Newport News, Va.
Glidden Co., Madison av & Berea rd, Cleveland, O.
Hammond Process Co. ("Ferox" "Iron Oxide"), Norwich, Conn.
Hardy Paint & Varnish Co. ("Great Lakes"), Toledo, O.
Hill Hubbell & Co. ("Lighthouse"), 115 Davis, San Francisco, Cal.
International Composition Co., 90 West, New York
Koppers Products Co. ("Koppax"), Union Arcade, Pittsburgh, Pa.
Lawrence W. W. & Co., W Carson, Pittsburgh, Pa.
Lowe Bros. Co., Dayton, O.
Mamolith Carbon Paint Co., 2d & Main, Cincinnati, O.
Masury Jno. W. & Son, 50 Jay, Brooklyn, N. Y.
Moore, Benjamin & Co., 231 Front, Brooklyn, N. Y.
Mound City Paint & Color Co., 217 S Garrison, St. Louis, Mo.
National Bituminous Enamel & Paint Co., Key Highway at Lawrence, Baltimore, Md.
National Roofing Co., Tonawanda, N. Y.
Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.
Nice Eugene S., 272 S 2d, Phila, Pa.
Paraffin Co.'s, Inc. ("Pabco" Preservative), 475 Brannan, San Francisco, Cal.
Patterson-Sargent Co., 1325 E 38th, Cleveland, O.
Patton Paint Co., Milwaukee, Wis.
Phelan-Faust Paint Mfg. Co., 1008 Pine, St. Louis, Mo.
Preesrvative Paint Co., 5410 Duwanish av, Seattle, Wash.
Protectus Paint Co., N American bldg, Phila., Pa.
Reliance Paint Co., 357 Bond, Brooklyn, N. Y.
Riesenman Mfg. Co. (Ltd.), Franklin, Pa.
Rinald Bros., Paint Works Inc., Gray's Ferry road & Grove, Phila., Pa.
RUBEROID CO., THE (Ruberoid Utility Paint, for under-water metal or woodwork; P. & B. Rapid Asphalt Paint, quick drying, acid-resisting, unaffected by continued moisture), 95 Madison av, New York
See adv index at end of book
St. Louis Surfacer & Paint Co., Arlington & Terminal & Belt Line, St. Louis, Mo.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Sonneborn L. Sons ("Amalie"), 114 5th av, New York
Southern Cotton Oil Co. ("Scoco"), 120 B'way, New York
Standard Varnish Works, 90 West, New York
Star-Peerless Paper Mills, 1314 Benton, Joliet, Ill.
Thomson Wood Finishing Co., 329 N 3rd, Phila., Pa. *See adv index at end of book*
Toch Bros. ("R. I. W." & "Plastic Tockolith"), 326 5th av, New York
United States Graphite Co., Saginaw, Mich.
Valentine Co., 456 Fourth av, New York
Vaughan Paint Co., Columbus & Big 4 R. R., Cleveland, Ohio
Voltax Co., 99 Reservoir av, Bridgeport, Conn.
Wadsworth, Howland & Co., 141 Federal, Boston, Mass.
Walles Dove-Hermiston Corp. ("Hermastic" "Bitumastic"), 17H Battery pl, New York
Warren Paint Co., Warren, O.
Warren Refining & Chemical Co., 9420 Meech av, Cleveand, O.
Williams, William E. ("Websters"), 62 Front, New York
Winn Wm. R. (Spar, etc), 488 Cherry, New York
WOOLSEY C. A. PAINT & COLOR CO., 490 Grand, Jersey City, N. J.

10560— Paints (Metal)

Protexol Corp., 41 Barclay, New York
See adv index at end of book

Paints (Metal Protecting)

See Paints for Coating & Preserving Iron & Steel; also Paints, Iron Oxide; also Paints, Graphite

10561—Paints (Mill White)

Acme White Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
Atlas Paint Co., Ltd., 18th st & W. P. R. R., Sharpsburg, Pittsburgh, Pa.
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
BINSWANGER B. & CO., 835 N 3rd, Phila., Pa.
Bradley-Wise Paint Co. ("Bradleys"), 49th & Pacific blvd, Los Angeles, Cal.
Briggs Maroney Co. Inc., 85 Paris, Everett, Mass.
California Paint Company, 1797 12th, Oakland, Cal.
Cambria Paint & Color Co., Johnstown, Pa.
Certain-teed Products Co., Boatmans Bank bldg, St. Louis, Mo.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
Connors Wm. Paint Mfg. Co., H River, Troy, N. Y.
Continental Products Co., Quebec av, Cleveland, O.
Detroit Graphite Company ("Sta-White"), 518 12th, Detroit, Mich.
Du Pont E. I. de Nemours & Co., Inc., Paint & Varnish Dept. ("Du-Lite" Interior), 3500 Grays Ferry rd, Phila., Pa. *See adv index at end of book*
Fuller W. P. & Co., 301 Mission, San Francisco, Cal.
Globe Paint Co., Williamsport, Pa.
Hampden Paint & Chemical Co. ("Sunray"), 317 Main, Springfield, Mass.
Hardy Paint & Varnish Co. ("Har-dalite"), Oakwood av & M. C. RR., Toledo, Ohio
Hill-Hubbell & Co. ("Lighthouse"), 115 Davis, San Francisco, Cal.
Horn A. C. Co., H Horn bldg, Long Island City, N. Y.
Klein Mfg. Co., H American Trust bldg, Cleveland, Ohio
Moore, Benjamin & Co., 231 Front, Brooklyn, N. Y.
National Roofing Co., Tonawanda, N. Y.
Nice Eugene E., 272 S 2d, Phila., Pa.
Oxidite Mfg. Co., Arlington, Mass.
Pecora Paint Co., 4th & Sedgley av, Phila., Pa.
Phelan-Faust Paint Mfg. Co. ("Spredlite"), 1008 Pine, St. Louis, Mo.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Southern Cotton Oil Co. ("Scoco"), 120 B'way, New York
Stanley Chemical Co., East Berlin, Conn.
Thomson Wood Finishing Co., 329 N 3rd, Phila., Pa. *See adv index at end of book*
U. S. Gutta Percha Paint Co., 12-30 Dudley, Providence, R. I.
Voltax Co. ("Mill-Whitest," "Voltaflat-Whitest," "Voltaeggshell - Whitest," "Voltagloss-Whitest"), 99 Reservoir av, Bridgeport, Conn.
Woolsey C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.

10561a— Paints (Mineral)

Acme White Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
Adams & Elting Co., 1835 Seward, Chicago, Ill.
Alston Lucas Paint Co., 1029 Currier, Chicago, Ill.
Atlas Paint & Varnish Co., 1689 Park av, New York
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
Briggs Maroney Co. Inc., 85 Paris, Everett, Mass.
Butler J. G. Bldrs. Supply Co., 24 Congress W., Savannah, Ga.
Cambria Paint & Color Co., Johnstown, Pa.
Certain-Teed Products Corp., St. Louis, Mo.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
Erwin Henry & Sons, Bethlehem, Pa.
Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, O.
Fuller W. P. & Co., 301 Mission, San Francisco, Cal.
Globe Paint Co., Williamsport, Pa.
Hampden Paint & Chemical Co., Springfield, Mass.
Iowa Paint Mfg. Co., Fort Dodge, Ia.
Lookout Paint Mfg. Co., Chattanoga, Tenn.
Macneal Jas. B. & Co., Warner and Wooster, Baltimore, Md.
Moore, Benjamin & Co., 231 Front, Brooklyn, N. Y.
National Roofing Co., Tonawanda, New York
Prince Mfg. Co., Bowmanstown, Pa.
Ricketson Mineral Paint Works, South Bay, Milwaukee, Wis.
Robinson Paint Co., Aurora, Ill.
Rossie Iron Ore Paint Co., Ogdensburg, N. Y.
St. Louis Surface & Paint Co., Arlington & Terminal Belt Line, St. Louis, Mo.
Semet-Solvay Co., Syracuse, N. Y.
Stanley Chemical Co., East Berlin, Conn.
Westmoreland Chemical & Color Co., S E cor 22nd & Westmoreland sts, Phila., Pa.
Wilbur J. Co., Providence, R. I.

10562—Paints (Mixed for Export)

Acme White Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
Adams & Elting Co., 1835 Seward, Chicago, Ill.
Arco Co., Euclid av & E 65th, Cleveland, O
Arlington Mfg. Co., Canton, O.
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
Bradley-Wise Paint Co. ("Bradleys"), 49th & Pacific blvd, Los Angeles, Cal.
California Paint Co., Oakland, Cal.
Cambria Paint & Color Co., Johnstown, Pa.
Carrara Paint Co., Barberton, O.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
Devoe & Raynolds Co., 101 Fulton, New York
Eagle Paint & Varnish Co., 225 Galveston, Pittsburgh, Pa.
French Samuel H. & Co., 4th & Callowhill, Phila., Pa.

(Continued on following page)

Paints (Mixed for Export)—Cont.

Fuller W. P. & Co., 301 Mission, San Francisco, Cal.
Globe Iron Roofing & Corrugating Co., Dept. H, Newport, Ky.
King Paint Mfg. Co., 449 Kent av, Brooklyn, N. Y.
Lawrence W. W. & Co., W Carson, Pittsburgh, Pa.
Martin-Senour Paint Co., 2520 Quarry, Ill.
Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.
Patterson-Sargent Co., 1325 E 38th, Cleveland, O.
Rinald Bros. Paint Wks. Inc., Gray's Ferry road & Grove, Phila., Pa.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Sherwin-Williams Co., Cleveland, O.
Wadsworth, Howland & Co., 141 Federal, Boston, Mass.
WOOLSEY C. A. PAINT & COLOR CO. ("Peerless"), 490 Grand, Jersey City, N. J.

10563— Paints (Oil)

Acme White Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
Arlington Mfg. Co., Canton, O.
Atlas Paint Co., Ltd., 18th st & W. P. R. R., Sharpsburg, Pittsburgh, Pa.
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
Becker-Moore Paint Co., 2nd & Soulard, St. Louis, Mo.
BINSWANGER B. & CO., 835 N 3rd, Phila., Pa.
California Paint Co., Oakland, Cal.
Cambria Paint & Color Co., Johnstown, Pa.
Chicago Varnish Works, 2100 Elston av, Chicago, Ill.
Chicago White Lead & Oil Co., 1454 S Western av, Chicago, Ill.
Devoe & Raynolds Co. Inc. ("Devoe"), 101 Fulton, New York
Eagle Paint & Varnish Co., 225 Galveston, Pittsburgh, Pa.
French Samuel H. & Co., 4th & Callowhill, Phila., Pa.
Fuller W. P. & Co., 301 Mission, San Francisco, Cal.
Gateways, Inc. ("Gateways"), 26th & Virginia av, Newport News, Va.
Globe Paint Co., Williamsport, Pa.
Heath & Milligan Mfg. Co., 1333 Seward, Chicago, Ill.
Hildreth Varnish Co., 90 West, New York
Impervious Varnish Co., 421 Wood, Pittsburgh, Pa.
Lawrence W. W. & Co., W Carson, Pittsburgh, Pa.
Lincoln Paint & Color Co. ("Lincoln Climatic"), Lincoln, Neb.
Moore Benj. & Co. ("Sani-Flat" Oil), 231 Front, Brooklyn, N. Y.
Muralo Company, Rich. Ter., New Brighton, Borough of Richmond, New York
Neal Blun Co., 12-20 W Bay, Savannah, Ga.
Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.
Nice Eugene E., 272 S 2d, Phila., Pa.
Patton Paint Co., Milwaukee, Wis.
Prince James H. Paint Co., 5 Lancaster, Boston, Mass.
Pyramid Paint Co., 133 N 22d, Phila., Pa.
Riesenman Mfg. Co. (Ltd.), Franklin, Pa.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Spirittine Chemical Co. ("Spirittine"), Wilmington, N. C.
Stanley Chemical Co., East Berlin, Conn.
Star-Peerless Paper Mills, 1314 Benton, Joliet, Ill.
Ulster Paint Works, Ellenville, N. Y.
U. S. Gutta Percha Paint Co., 12-30 Dudley, Providence, R. I.
Valentine Co., 456 Fourth av, New York
Voltax Co., 99 Reservoir av, Bridgeport, Conn.
Warren Paint Co., Warren, O.
Warren Refining & Chemical Co., 9420 Meech av, Cleveland, O.
Weber Co., F., 1220 Buttonwood, Philadelphia, Pa.

10563a— Paints (Oxide)

Acme White Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
Atlas Paint Co., Ltd., 18th st & W. P. R. R., Sharpsburg, Pittsburgh, Pa.
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
Cambria Paint & Color Co., Johnstown, Pa.
Cheesman-Eliot Co., 23 Flatbush av, Brooklyn, N. Y.
Elastic Compound Paint Co. ("Elastic Compound," Red), 5131 Kershaw, Philadelphia, Pa.
Fuller W. P. & Co., 301 Mission, San Francisco, Cal.
Globe Paint Co., Williamsport, Pa.
McNulty Joseph A., 116 Liberty, New York
See adv index at end of book
Moore, Benjamin & Co., 231 Front, Brooklyn, N. Y.
Stanley Chemical Co., New Britain, Conn.
Voltax Co., 99 Reservoir av, Bridgeport, Conn.

10563b— Paints (Preservative Wood)

Acme White Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
Atlas Paint Co., Ltd., 18th st & W. P. R. R., Sharpsburg, Pittsburgh, Pa.
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
California Paint Company, 1797 12th, Oakland, Cal.
Carbolineum Wood Preserving Co., 84 Barclay, New York
Certain-teed Products Co. ("Certain-teed"), Boatman's Bank bldg, St. Louis, Mo.
Cheesman-Eliot Co., 23 Flatbush av, Brooklyn, N. Y.
CHICAGO VARNISH WORKS ("Dupont"), 2100 Elston av, Chicago, Ill.
Detroit Graphite Co. ("Degraco"), 518 12th, Detroit, Mich.
Fuller W. P. & Co., 301 Mission, San Francisco, Cal.
Globe Paint Co., Williamsport, Pa.
Horn A. C. Co., H Horn bldg, Long Island City, N. Y.
National Roofing Co., Tonawanda, N. Y.
Neal Blun Co., 12-20 W Bay, Savannah, Ga.
Protexol Corp., 41 Barclay, New York
See adv index at end of book
RUBEROID CO., THE (Ruberoid Utility Paint; P. & B. Rapid Asphalt Paint), 95 Madison av, New York
See adv index at end of book
Southern Cotton Oil Co. ("Scoco"), 120 B'way, New York

10563c—Paints (Preserving)

Atlas Paint Co., Ltd., 18th st & W. P. R. R., Sharpsburg, Pittsburgh, Pa.
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
Cambria Paint & Color Co., Johnstown, Pa.
Carbolineum Wood Preserving Co., 84 Barclay, New York
Carey Philip Mfg. Co. (Black), 33 Wayne av, Lockland, Cincinnati, O.
Cheesman-Eliot Co., 23 Flatbush av, Brooklyn, N. Y.
Paraffine Companies, Inc., The ("Pabco" Preservative Paints), 34 1st, San Francisco, Cal.
Protexol Corp., 41 Barclay, New York
See adv index at end of book
RUBEROID CO., THE ("Ruberoid"), 95 Madison av, New York
See adv index at end of book

RU-BER-OID
PAINTS
Ruberoid Utility Paint—A black paint which, when dry, forms an elastic, durable, lustrous, weatherproof coat which will not check, blister or peel.
Ruberoid Boiler and Stack Paint—A varnish-like preparation designed to withstand high temperatures, exposure to the weather and corrosive fumes.
P & B Rapid Asphalt Paint—One of the oldest and best known acid resisting paints on the market.
The RUBEROID Co., 95 Madison Ave., New York

Voltax Co., 99 Reservoir av, Bridgeport, Conn.

10563d—Paints (Ready Mixed & Household)

Acme White Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
Atlas Paint Co., Ltd., 18th st & W. P. R. R., Sharpsburg, Pittsburgh, Pa.
Atlastic Paint Mfg. Co. ("Atlastic" Ready Mixed Industrial), 1007 Marquette av, Minneapolis, Minn.
Bass Heuter Paint Co., 816 Mission, San Francisco, Cal.
Briggs Maroney Co. Inc., 85 Paris, Everett, Mass.
Cambria Paint & Color Co., Johnstown, Pa.
Cheesman-Elliott Co., 23 Flatbush av, Brooklyn, N. Y.
CHICAGO VARNISH WORKS, 2100 Elston av, Chicago, Ill.
Connors Wm. Paint Mfg. Co., H River, Troy, N. Y.
DU PONT E. I. de NEMOURS & CO., INC., Paint & Varnish Dept. (see adjacent adv), 3500 Grays Ferry rd, Philadelphia, Pa.
See adv index at end of book
Fuller W. P. & Co., 301 Mission, San Francisco, Cal.
Globe Paint Co., Williamsport, Pa.
Goheen Corp. of N. J., 202 Emmett, Newark, N. J.
Hammond Benj., Beacon, N. Y.
Haskell & Davids, 229 Water, Binghamton, N. Y.
National Roofing Co., Tonawanda, N. Y.
Newport Rolling Mill Co., Newport, Ky.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Shoemaker Robt. & Co. Inc. ("Imperial"), 4th & Race, Phila., Pa.
Stanley Chemical Co. (Ready Mixed), East Berlin, Conn.
Star-Peerless Paper Mills, 1314 Benton, Joliet, Ill.
Stazon Paint Makers Inc. ("Stazon"), Norwich, N. Y.
U. S. Gutta Percha Paint Co., 12-30 Dudley, Providence, R. I.
Vaughan Paint Co., Columbus & Big 4 R. R., Cleveland, Ohio
Voltax Co., 99 Reservoir av, Bridgeport, Conn.
Woolsey C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.

10564— Paints (Roofing)

Acme Asbestos Covering & Supply Co., 234 N Elizabeth, Chicago, Ill.
Acme White Lead & Color Works, St. Aubin & M. C. R. R., Detroit, Mich.
Adams & Elting Co., 1835 Seward, Chicago, Ill.
Albion Mfg. Co., 709 1st av, Seattle, Wash.
Alcatraz Co., Inc. ("Blackat"), 3200 Williamsburg av, Richmond, Va.
Allen Anti-Rust Mfg. Co., 107 Government pl, Covington, Ky.
American Insulation Co., Nicetown, Phila., Pa. *See adv index at end of book*
American Roof Co., 15th & Blue River, Kansas City, Mo.
Antakwa Co., 133 W Washington, Chicago, Ill.
Arco Co., Euclid av & E 65th, Cleveland, O.
Arlington Mfg. Co., Canton, O.
Armstrong Paint & Varnish Works ("Negrite"), 2502 S Paulina, Chicago, Ill.
ATLAS PAINT CO., LTD., 18th st & W. P. R. R., Sharpsburg, Pittsburgh, Pa.
Barrett Co., 40 Rector, New York
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
Becker-Moore Paint Co., 2nd & Soulard, St. Louis, Mo.
Betts C. G. Co., 1202 E Sprague, Spokane, Wash.
Billings-Chapin Co., 1163 E 40th, Cleveland, O.
BINSWANGER B. & CO., 835 N 3rd, Phila., Pa.
Black Diamond Mfg. Co., 1219 Bank, Cincinnati, O.
Blayz Paint & Varnish Co. ("Blayz"), Spencer, Toledo, Ohio
Boydell Bros. White Lead & Color Co., 432 E Lafayette, Detroit, Mich.
Bradford James Co., Wilmington, Del.
Bradley-Wise Paint Co. ("Bradleys"), 49th & Pacific blvd, Los Angeles, Cal.
Buckeye Paint & Varnish Co., Toledo, O.
Burton J. H., 344 1st, Portland, Ore.
California Paint Co., Oakland, Cal.
Cambria Paint & Color Co. (Ltd.), Johnstown, Pa.
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Carbon Paint Co. ("C. P. P."), Felt bldg, Salt Lake City, Utah
CAREY PHILIP MFG. CO., 330 Wayne av, Lockland, Cincinnati, Ohio
Certain-teed Products Corp. ("Certain-teed"), St. Louis, Mo.
Chatfield Mfg. Co. (Asphalt), Carthage, Cincinnati, O.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
Chilton Paint Co., College Point, L. I., N. Y.
Cleveland-Akron Bag Co., 1890 E 40th, Cleveland, Ohio
Cleveland Iron Ore Paint Co., Cleveland, Ohio
Clinton Metallic Paint Co. ("Clinton"), Dept. H, Clinton, N. Y.
Coal Tar Product Co. ("Stag" Brand), 570 Smith, Brooklyn, N. Y.
Colebrook's W. H. Sons ("Crown"), Syracuse, N. Y.
Connors Wm. Paint Mfg. Co. ("American Seal"), Troy, N. Y.
Continental Products Co., Quebec av, Cleveland, O.
Cooledge F. J. & Sons, Atlanta, Ga.
Debevoise Company, 968 Grand av, Brooklyn, N. Y.
Devoe & Raynolds Co. Inc. ("Devoe"), 101 Fulton, New York
Dixon Joseph Crucible Co., Jersey City, N. J.
Eagle Paint & Varnish Co., 225 Galveston, Pittsburgh, Pa.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
Ehret Magnesia Mfg. Co., Valley Forge, Pa.
Elaterite Paint & Mfg. Co. ("Des Moines Elaterite"), Des Moines, Iowa
Elliot Varnish Co. ("Asbestos"), 1012 S Kolmar av, Chicago, Ill.
Eureka Chemical Co., 970 Grand av, Brooklyn, N. Y.
Farwell, Ozmun, Kirk & Co., St. Paul, Minn.
Federal Process Co. ("Herm-I-Seal"), Cleveland, O.
Felton, Sibley & Co., 136 N 4th, Phila., Pa.
Fire Retardent Products Co. ("Retardo"), 2838 Hannah, Oakland, Cal.
Fisher Thorsen & Co. ("Black Hawk"), N 29th & Nicolai, Portland, Ore.
Flintkote Co. ("Rex"), 88 Pearl, Boston, Mass.
Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, O.
Fort Pitt Oil & Paint Co., 3206 Penn av, Pittsburgh, Pa.
French Saml. H. & Co., 4th & Callowhill, Phila., Pa.

Gateways, Inc. ("Gateways"), 26th & Virginia av, Newport News, Va.
Gibson-Homans Co., 2366 Woodhill rd, S E, Cleveland, O.
Glokner & Blue Co., 2472 3rd av, New York
Goheen Corp., 25 W 43rd, New York
Gorton Co. ("Duralastic"), 513 N 29th, Portland, Ore.
Great Lake Refining Co. ("Jet Black" Elastic), 5716 Euclid, Cleveland, O.
Great Western Oil Co., 2346 E 37th, Cleveland, O.
Hammond Asphalt Products Co., Hammond, Ind.
Hammond Process Co. ("Ferox" Iron Oxide), Norwich, Conn.
Hanna Paint Mfg. Co., Columbus, O.
Hascall Paint Co. ("Thermalite"), W 70th, Cleveland, O.
Heath & Milligan Mfg. Co., 1833 Seward, Chicago, Ill.
Heppes Roofing Division, The Richardson Co., Lockland, Ohio
Hetzel J. G., Est. of, 67 Main ("Rub on Paint"), Newark, N. J.
Horn A. C. Co., Horn bldg, Long Island City, N. Y.
Horton A. L. Paint Co., 4453 E 14th, Oakland, Cal.
Howell Chas. H. & Co., 212 Race, Phila., Pa.
Ilsley, Doubleday & Co., 229 Front, New York
Ironsides Co., Columbus, O.
JONES PAINT CO. ("Roofcoat" & "Liquid Stopleak"), Rome, N. Y.
Kay & Ess Co., Dayton, Ohio
Keystone Roofing Mfg. Co., York, Pa.
King-Karbo Products Corp., 825 Concord, Pittsburgh, Pa.
Klein Mfg. Co. ("Graphilatum"), American Trust bldg, Cleveland, O.
Knapp E. J. & Co., Belding, Mich.
Koppers Products Co. ("Koppax"), 800H Union Arcade, Pittsburgh, Pa.
Lawrence W. W. & Co. ("Lawrence"), W Carson, Pittsburgh, Pa.
Lehon Company ("Mule-Hide"), 4451 S Oakley av, Chicago, Ill.
See adv index at end of book
Lincoln Paint & Color Co. ("Paragon"), Lincoln, Neb.
Longman & Martinez, 110 William, New York
Lowe Bros. Co., Dayton, O.
Lucas John & Co., 322 Race, Phila., Pa.
McHenry-Millhouse Mfg. Co. ("Climax," "Etna"), South Bend, Ind. & Fulton, N. Y.
Maire Paint Co. (Maire's Indestructible Roof Preserver), 329 Boston blk, Minneapolis, Minn.
Mamolith Carbon Paint Co., 2d & Main, Cincinnati, O.
Means & Thatcher ("Everlasting"), Norfolk Down, Quincy, Mass.
Miller & Graham, 21 S Gay, Baltimore, Md.
Minwax Co., 18 E 41st, New York
Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, O.
See adv index at end of book
Monarch Paint Co. ("Hydro-Carbonite"), Market bldg, Gorden sq, Cleveland, O.
Moore, Benjamin & Co., 231 Front, Brooklyn, N. Y.
Moser Chas. Co., Cincinnati, O.
Mound City Paint & Color Co., 217 S. Garrison, St. Louis, Mo.
National Paint & Varnish Co. ("National Tinners Red"), 8709 Kinsman rd, Cleveland, O.
National Roofing Co. ("N.R.C." Protective Paint), Tonawanda, N. Y.
Neal Blun Co., 12-20 W Bay, Savannah, Ga.
Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.
Nice, Eugene E., 272 S 2nd, Phila., Pa.
Ohio Chemical Co., Findlay, O.
Ohmiac Paint & Refining Co., 140 S Dearborn, Chicago, Ill.
Otley Paint Mfg. Co. ("Eureka" & Mineral, 1742 N Winchester av, Chicago
Pacific Asbestos & Supply Co. ("Pasco"), 315 Front, Portland, Ore.
Parker C. H. Co., Valapariso, Ind.
See adv index at end of book
Patterson-Sargent Co., 1325 E 38th, Cleveland, O.
Patton Paint Co. (Asbestos), Milwaukee, Wis.
Pecora Paint Co., 4th & Sedgley av, Phila., Pa.
Polygon Products Co. ("Langon"), 141 Milk, Boston, Mass.
Preservative Paint Co., 5410 Duwanish av, Seattle, Wash.
Prince Mfg. Co. (Double Label Mineral Brown), 165 B'way, New York
Pyramid Paint Co., 133 N 22d, Phila., Pa.
Reeder Jno. S. (Cold Japan), Hamilton, O.
Reeves Co. ("Lone Star"), 805 Howard av, New Orleans, La.
Richmond Bros. ("O. K.," "Apex"), 114 W 5th, Cincinnati, O.
Ricketson Mineral Paint Works (Iron Ore), South Bay, Milwaukee, Wis.
Riesenman Mfg. Co. (Ltd.), Franklin, Pa.
Rinald Bros. Paint Wks. Inc., Gray's Ferry road & Grove, Phila., Pa.
Rossie Iron Ore Paint Co. ("Rossie" Iron Ore), Ogdensburg, N. Y.
Rubber Paint Co. (Rubber), cor Warner & Wooster, Baltimore, Md.
RUBEROID CO., THE ("Ruberoid"), 95 Madison av, New York
See adv index at end of book

RU-BER-OID
Roofing Paints

Ruberoid Roof-coating
A liquid preservative coating for composition and metal roofings. It is made of pure bituminous products.

Ruberoid Liquid Fibre-cement
For prolonging the life of roofs so badly worn as to require a heavier bodied material than liquid coating.

The RUBEROID Co.
95 Madison Avenue New York

St. Louis Surfacer & Paint Co., Arlington & Terminal Belt Line, St. Louis, Mo.
St. Paul White Lead & Oil Co. ("Lion"), Water & Starkey, St. Paul, Minn.
Servicised Products Co. ("Servicised"), First Natl. Bank bldg, Chicago, Ill.
Sherwin-Williams Co., Cleveland, O.
Sinclair Refining Co. ("Four Bros." Black), Albany, N. Y.
Sonneborn L. Sons ("Amalie"), 114 5th av, New York
Southern Cotton Oil Co. ("Scoco"), 120 B'way, New York
Southwestern Paint & Varnish Co., 610 Broadway, Kansas City, Mo.
Standard Oil Co. ("Oronite"), 225 Bush, San Francisco, Cal.
Star-Peerless Wall Paper Mills, 1314 Benton, Joliet, Ill.
Sterling Paint Co. ("Duralastic"), 513 N 29th, Portland, Ore.
Stowell Mfg. Co., 240 Culver av, Jersey City, N. J.
Super-Test Products Co. ("Super-Test"), 2416 E 14th, Los Angeles, Cal.
Suydam M. R. Co., 61st & Butler, Pittsburgh, Pa.
Toch Bros. ("R. I. W."), 320 5th av, New York
Tropical Paint & Oil Co. ("Elastikote" & "Tropical Rubber"), W 70th, Cleveland, O.
Trus-Con Laboratories, Caniff & Grant R. R., Detroit, Mich.
United States Graphite Co., Saginaw, Mich.
U. S. Gutta Percha Paint Co., 12-30 Dudley, Providence, R. I.
U. S. Refining Co. ("Everlasting Black"), 1291 W 11th, Cleveland, O.
Usona Mfg. Co. (Asphalt), Aurora, Ill.
Voltax Co., 99 Reservoir av, Bridgeport, Conn.
Vulcanite Roofing Co. ("U. & P."), Beaver rd, Buffalo, N. Y.
Wadsworth, Howland & Co. ("Bay State," Roof & Barn), 141 Federal, Boston, Mass.
Wadsworth-Howland Co., 225 N Carpenter, Chicago, Ill.
Warren Chemical & Mfg. Co., 17 Battery pl, New York
Warren Paint Co., Warren, O.
Warren Refining & Chemical Co., 9420 Meech av, Cleveland, O.
Watson H. F. Co. (Asbestos), Erie, Pa.
Western Elaterite Roofing Co. ("Elaterite"), Equitable bldg, Denver, Colo.
Wilhelm A. Co., Reading, Pa.
Woolsey C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.

10565— Paints (Rubber Tire)

Northwestern Chemical Co., Marietta, O.
Horn A. C. Co., H Horn bldg, Long Island City, N. Y.
Permatex Co. Inc. ("Permatex"), Sheepshead Bay, N. Y.
Stanley Chemical Co., East Berlin, Conn.
Valentine Co., 456 Fourth av, New York

10566—Paints (Rust Proof)

Allen Anti-Rust Mfg. Co. (Smokestack, Tanks, etc.), 107 Government pl, Covington, Ky.
American Chemical Paint Co. ("Deoxidine"), Liberty bldg, Phila., Pa.
Antakwa Co., 133 W Washington, Chicago, Ill.
Arco Co., Euclid av & E 65th, Cleveland,
Arlington Mfg. Co., Canton, O.
Atlas Paint Co., Ltd., 18th st & W. P. R. R., Sharpsburg, Pittsburgh, Pa.
Barrett Co., 40 Rector, New York
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
Becker-Moore Paint Co., 2nd & Soulard, St. Louis, Mo.
BINSWANGER B. & CO. (M. P. Coating), 835 N 3rd, Philadelphia, Pa.
Briggs Maroney Co. Inc. ("Steelgard"), 85 Paris, Everett, Mass.
California Paint Co., Oakland, Cal.
Cambria Paint & Color Co., Johnstown, Pa.
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Chatfield Mfg. Co. ("Carbo" Black Enamel), Carthage, Cincinnati, O.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
CHICAGO VARNISH WORKS ("Antoxide," "Dupont," "Ferro Keep"), 2100 Elston av, Chicago, Ill.
Conners Wm. Paint Mfg. Co., H River, Troy, N. Y.
Detroit Graphite Co. ("Superior" Graphite), 518 12th, Detroit, Mich.
Devoe & Raynolds Co., Inc., 101 Fulton, New York
Dielectric Mfg. Co. ("W. D. Paint"), 224 S Vandeventer av, St. Louis, Mo.
Dixon Joseph Crucible Co., Jersey City, N. J.
DU PONT E. I. de NEMOURS & CO., INC., Paint & Varnish Dept. ("Autoxide" & "Ferro Keep" (see adjacent adv), 3500 Grays Ferry rd, Philadelphia, Pa.
See adv index at end of book
Durabla Mfg. Co. ("Cosmos"), 114 Liberty New York
Elaterite Paint & Mfg. Co. ("Des Moines Elaterite"), Des Moines, Ia.
Elaterite Varnish & Rubber Co. ("Elaterite"), 55th & Alameda, Los Angeles, Cal.
Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveand, O.
Fort Pitt Oil & Paint Co., 3206 Penn av, Pittsburgh, Pa.
French Sam'l H. & Co., 4th & Callowhill, Phila., Pa.
Gateways, Inc. ("Gateways"), 26th & Virginia av, Newport News, Va.
Gelien & Co., 120 Liberty, New York
Glidden Co., Madison av & Berea rd, Cleveland, O.
Globe Paint Co., Williamsport, Pa.
Great Lakes Refining Co. ("Jet Black"), 5716 Euclid, Cleveland, O.
Hascall Paint Co., W 70th, Cleveland, O.
Hetzel J. G., Est. of, 67 Main, Newark, N. J.
Hildreth Varnish Co., 90 West, New York
Horn A. C. Co., H Horn bldg, Long Island City, N. Y.
Jones Paint Co., Rome, N. Y.
King-Karbo Products Corp., 825 Concord, Pittsburgh, Pa.
Koppers Products Co. ("Koppax"), Union Arcade, Pittsburgh, Pa.
Lino Paint Co., 16908 Waterloo rd, Cleveland, O.
Lowe Bros. Co., Dayton, O.
Lucas John & Co., 322 Race, Phila., Pa.
Monarch Paint Co., W 70th, Cleveland, O.
Mound City Paint & Color Co., 217 S Garrison, St. Louis, Mo.
National Bituminous Enamel & Paint Co., Key Highway at Lawrence, Baltimore, Md.
National Roofing Co., Tonawanda, N. Y.
Never Rust Mfg. Co., 30 Church, New York
Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.
Nice Eugene E., 272 S 2d, Phila., Pa.
Patton Paint Co., Milwaukee, Wis.
Prince Mfg. Co. (Double Label Mineral Brown), 165 B'way, New York
Polygon Products Co. ("Langon"), 141 Milk, Boston, Mass.
Rinald Bros. Paint Wks. Inc., Gray's Ferry road & Grove, Phila., Pa.
Ruberoid Co., The ("Ruberoid"), 95 Madison av., New York
See adv index at end of book

RU-BER-OID
RUST-PROOF PAINTS

Ruberoid Utility Paint—A black, general purpose paint for wood or metal adapted to exterior or interior work.

Ruberoid Boiler and Stack Paint—For application to boiler fronts, metal stacks, steam pipes, radiators, etc.

P & B Rapid Asphalt Paint—A quick-drying, acid-resisting paint for indoor or submerged work.

The RUBEROID Co., 95 Madison Ave., New York

Sherwin-Williams Co., Cleveland, O.
Sipe Jas. B. & Co., Dept. H, Bridgeville, Pa.
Southern Cotton Oil Co. ("Scoco"), 120 B'way, New York
Standard Varnish Works, 90 West, New York
Stanley Chemical Co., East Berlin, Conn.
Truscon Laboratories ("Bar-Ox"), Caniff & G. T. RR., Detroit, Mich.
United States Graphite Co., Saginaw, Mich.
U. S. Gutta Percha Paint Co., 12-30 Dudley, Providence, R. I.
Voltax Co., 99 Reservoir av, Bridgeport, Conn.
Wadsworth, Howland & Co., 141 Federal, Boston, Mass.
Walles Dove-Hermiston Corp. ("Hermastic" "Bitumastic"), 17H Battery pl, New York
Western Elaterite Roofing Co. ("Elaterite"), Equitable bldg, Denver, Colo.

10567-8-9—Paints (Sheep)

Acme Whie Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
Fuller W. P. & Co., 301 Mission, San Francisco, Cal.
Lincoln Paint & Color Co. ("Lincoln"), Lincoln, Neb.
St. Paul White Lead & Oil Co. ("Lion" for Sheep Branding), Water & Starkey, St. Paul, Minn.

Paints (Shingle)

See Shingle Stains

Paints (Smokestack)

See Paints for Coating & Preserving Iron & Steel, also Fire Resisting; also Rust Proof

Paints (Stack)

See Paints, Rust-Proof; also Paints for Coating & Preserving Iron & Steel

10570—Paints (Steam-Proof)

Arco Co., Euclid av & E 65th, Cleveland, O.
Arlington Mfg. Co., Canton, Ohio
Atlas Paint Co., Ltd., 18th st & W. P. R. R., Sharpsburg, Pittsburgh, Pa.
Barrett Co., 40H Rector, New York
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
Buckeye Paint & Varnish Co., Toledo, O.
Cambria Paint & Color Co., Johnstown, Pa.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
Devoe & Raynolds Co., Inc., 101 Fulton, New York
Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, O.
French Samuel H. & Co., 4th & Callowhill, Philadelphia, Pa.
Fuller W. P. & Co. (Engine Room), 301 Mission, San Francisco, Cal.
Jones Paint Co., Rome, N. Y.
Klein Mfg. Co., H American Trust bldg, Cleveland, Ohio
Koppers Products Co. ("Koppax"), Union Arcade, Pittsburgh, Pa.
Lowe Bros. Co., Dayton, O.
Lucas John & Co., 322 Race, Phila, Pa.
Minwax Co. ("Minwax"), 18 E 41st, New York
Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.
Patton Paint Co., Milwaukee, Wis.
Pyramid Paint Co. ("Kant-Korod"), 133 N 22d, Phila., Pa.
Riesenman Mfg. Co. (Ltd.), Franklin, Pa.
Rinaid Bros. Paint Works Inc., Gray's Ferry road & Grove, Phila., Pa.
RUBEROID CO., THE (P. & B. Rapid Asphalt Paint, quick drying and unaffected by continued moisture; Ruberoid Boiler and Stack Paint), 95 Madison av, New York
See adv index at end of book
Shaffer Color & Varnish Corp., Hoboken, N. J.
Sonneborn L. Sons ("Amalie"), 114 5th av, New York
Southwestern Paint & Varnish Co., 610 Broadway, Kansas City, Mo.
Suydam M. B. Co., 61st & Butler, Pittsburgh, Pa.
Toch Bros. ("R. I. W."), 320 5th av, New York
Trus-Con Laboratories, Caniff & Grant R. R., Detroit, Mich.
United States Graphite Co., Saginaw, Mich.
Voltax Co., 99 Reservoir av, Bridgeport, Conn.
Western Elaterite Roofing Co. ("Elaterite"), Equitable bldg, Denver, Colo.

Paints (Steel)

See Paints, Rust-Proof; also Paints for Coating & Preserving Iron & Steel

10570a—*Paints (Stop Leak)

Ruberoid Co., The ("Ruberoid"), 95 Madison av, New York
See adv index at end of book

RU-BER-OID
Stop Leak Paints
Ruberoid Liquid Fibre-cement
A compound which dries to a tough rubber-like consistency that is proof against sun, rain, sleet and snow.
Ruberoid Plastic
A compound for repairing leaky seams, cuts, rents, etc., in composition or metal roofs and for pointing up chimneys, flashings, etc.
The RUBEROID Co., 95 Madison Ave., New York

10571— Paints (Technical)

American Wood Preserving Co., 3743 N Marshfield, Chicago, Ill.
Bass Heuter Paint Co., 816 Mission, San Francisco, Cal.
Cambria Paint & Color Co., Johnstown, Pa.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
Debevoise Co., 968 Grand av, B'klyn, N. Y.
Globe Paint Co., Williamsport, Pa.
Goheen Corp. of N. J., 202 Emmett, Newark, N. J.
Lowe Bros. Co., Dayton, O.
National Roofing Co., Tonawanda, N. Y.
Ruberoid Co. ("Ruberoid"), 95 Madison av, New York
See adv index at end of book
Shaffer Color & Varnish Corp., Hoboken, N. J.
Stanley Chemical Co., East Berlin, Conn.
Toch Bros., 320 5th av, New York
Trus-Con Laboratories, Detroit, Mich.
Vaughan Paint Co., Columbus & Big 4 R. R., Cleveland, Ohio

10572—Paints (Teredo-Proof)

See also Wood Preservatives

American Marine Paint Co., 311 California, San Francisco, Cal.
Fuller W. P. & Co. (Copper), 301 Mission, San Francisco, Cal.
Woolsey C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.

10572a—Paints (Tree Wound)

Protexol Corp., 41 Barclay, New York
See adv index at end of book

10573—Paints (Trolley Pole)

See also Paints for Coating & Preserving Iron & Steel

American Tar Products Co., 208 S La Salle, Chicago, Ill.
Atlas Paint Co., Ltd., 18th st & W. P. R. R., Sharpsburg, Pittsburgh, Pa.
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
BINSWANGER B. & CO., 835 N 3rd, Philadelphia, Pa.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
Fuller W. P. & Co. (Premier Mach., 301 Mission, San Francisco, Cal.
Horn A. C. Co., H Horn bldg, Long Island City, N. Y.
National Roofing Co., Tonawanda, N. Y.
RUBEROID CO., THE (Ruberoid Utility Paint), 95 Madison av, New York
See adv index at end of book
Stanley Chemical Co., East Berlin, Conn.

10573a—Paints (Water Color—Toy & School)

Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
BINNEY & SMITH CO., 41 E 42nd, New York
Fuller W. P. & Co. (Distemper Colors), 301 Mission, San Francisco, Cal.
Insulating Materials Co., 805H Wesson av, Detroit, Mich.
Japanese Water Color Co. (Transparent), 31 Exchange, Rochester, N. Y.
Johnston, J. W. ("Snow White", Marking Fluid), New Arts bldg, Rochester, N. Y.
RUBEROID CO., THE (Ruberoid Utility Paint, P. & B. Rapid Asphalt Paint), 95 Madison av, New York
See adv index at end of book
Weber Co., F., 1220 Buttonwood, Philadelphia, Pa.
Winsor & Newton, 31 E 17th, New York

10573b—Paints (Wood Preserving)

Acme White Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
Atlas Paint Co., Ltd., 18th st & W. P. R. R., Sharpsburg, Pittsburgh, Pa.
Bass-Hueter Paint Co., 816 Mission, San Francisco, Cal.
Cabot Samuel, Inc., 141 Milk, Boston, Mass.
See adv index at end of book
Cambria Paint & Color Co., Johnstown, Pa.
Carbolineum Wood Preserving Co., 34 Barclay, New York
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
New York
Fuller W. P. & Co., 301 Mission, San Francisco, Cal.
Koppers Products Co. ("Koppax"), Union Arcade, Pittsburgh, Pa.
Protexol Corp., 41 Barclay, New York
See adv index at end of book
Ruberoid Co., The ("Ruberoid"), 95 Madison av, New York
See adv index at end of book
Semet-Solvay Co., Syracuse, N. Y.
Toch Bros. 320 5th av, New York
Voltax Co., 99 Reservoir av, Bridgeport, Conn.

10574— Palettes

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
New England Box Co., 104 E 42nd, New York *See adv index at end of book*
Stirrup Manfg. Co., Inc. ("Eclipse," "Ideal," "Duplex," "Gold" for China Painters), Market st, Newark, N. J.
Weber Co., F., 1220 Buttonwood, Philadelphia, Pa.

10575— Palladium

Foote Mineral Co., 109 N 19th, Phila., Pa.
Philipp Bros., Inc., 233 Broadway, New York.
WILSON H. A. CO. ("Wilco"), 99 Chestnut, Newark, N. J.

10576— Pallets (Brick)

American Pulley Co., 114 S Clinton, Chicago, Ill.
Fouts C. C. Co., 650 Woodlawn av, Middletown, O.
Globe Iron Roofing & Corrugating Co., Dept. H, Newport, Ky.
Mershon Eddy Parker Co. (Wood), Saginaw, Mich.
Newport Rolling Mill Co., Newport, Ky.
Ohio Galvanizing & Mfg. Co. (Steel), Niles, O.
Union Spring & Mfg. Co., New Kensington, Pa.
Vitreous Enameling Corp. (The), 6800 Grant av, Cleveland, Ohio
See adv index at end of book

10577— Pallets (Lettering)

Hickok W. O. Mfg. Co., Harrisburg, Pa.

10578— Palms (Sailors')

Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Stevens Walter B. & Son, 107 Chambers, New York
Union Hardware Co., Torrington, Conn.

Panel Boards

See Switchboards, Light & Power

10578a— Panels (Furniture)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*
Roddis Lumber & Veneer Co., Marshfield, Wis.

10578b—Panels (Motor Control)

GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book

10579— Panels (Protective)

Electric Controller & Mfg. Co., Cleveland, Ohio *See adv index at end of book*

10580— Panels (Rheostat)

Natl. Elec. Controller Co. (Storage Battery), 154H Whiting, Chicago, Ill.

10580a—Panels (Stove Door)

Corning Glass Works, Corning, N. Y.
INGRAM RICHARDSON MFG. CO. (Oven & Broiler Doors for Gas Ranges), Beaver Falls, Pa.
See adv index at end of book
Zeigler Mfg. Co., Alexandria, Ind.

10580b—Panels (V. T. Control)

Acme Apparatus Co., 186 Mass., Cambridge, Mass.
Adams Morgan Co., Upper Montclair, N. J.
Am. Brass Products Co., Pottstown, Pa.
Am. Radio & Research Corp. ("Amrad"), 203 College av, Medford Hillside, Mass.
Auth Electrical Specialty Co., 422 E 53d, New York
Bliss R. W. Co., Atlantic, Mass.
De Forest Tel. & Telg. Co., 1415 Franklin, Jersey City, N. J.
Duck Wm. B. Co., 244 Superior, Toledo, Ohio
Eastern Precision Electrical Instrument Co., Rockville Centre, New York
Eastern Radio Laboratories, Fort Lee, N. J.
Electric Machine Co., Pratt & Meridian, Indianapolis, Ind.
Firth John & Co., 18 B'way, New York
Freed-Eisemann Radio Corp., Sperry bldg, Brooklyn, New York
General Radio Co., Mass. av & Windsor, Cambridge, Mass.
Grebe A. H. & Co., Inc., 70 Van Wyck blvd, Jamaica, N. Y.
Hi Grade Wireless Instrument Co., Asheville, N. C.
Horne Mfg. Co., 243 Mercer, Jersey City, N. J.
Jones Radio Co., 384 Monroe, Brooklyn, N. Y.
Joy & Kelsey, 4021 W Kinzie, Chicago, Ill.
Kilbourne & Clark Mfg. Co. ("K&C"), 101 Spokane, Seattle, Wash.
Klaus Radio Co., Eureka, Ill.
Marshall Gerken Co. ("Thoroughbred"), 27 Ontario, Toledo, Ohio
Midwest Radio Co., 3423 Drury av, Cincinnati, Ohio
National Radio Co., Marshall, Minn.
Nola Radio Co., 134 Chartres, New Orleans, La.
Parkin Mfg. Co., San Rafael, Cal.
Quality Radio Shop, Richmond, Ind.
Penn. Wireless Mfg. Co., New Castle, Pa.
Precision Equipment Co., B. & O. R. R. & Blue Rock N S, Cincinnati, Ohio
Radio Instrument Co., Washington, D. C.
Radio Testing Station, Binghamton, N. Y.
Remler Radio Mfg. Co., 248 1st, San Francisco, Cal.
Ship Owners Radio Service (Dirs.), 90 Washington, New York
Signal Elec. Mfg. Co., Menominee, Mich.
Simplex Radio Co., 1013 Ridge av, Phila., Pa.
T. & H. Radio Co., Anthony, Kan.
Twentieth Century Radio Co., Greenville, Pa.
Waterbury Button Corp., 831 S Main, Waterbury, Conn.
See adv index at end of book
Westinghouse Elec. & Mfg. Co., E Pittsburgh, Pa.
See adv index at end of book
Wilcox Laboratories, 2208 E Mich. av, Lansing, Mich.
Wireless Improvement Co., 66 York, Jersey City, N. J.
Wireless Shop, 1262 W 2nd, Los Angeles, Cal.

10581— Panels (Veneer)

Algoma Panel Co., Algoma, Wis.
Buffelen Lumber & Mfg. Co., Tide Flats, Tacoma, Wash.
Cadwallader Gibson Co., 599 Brannan, San Francisco, Cal.
Carrom Co. (Plywood), Ludington, Mich.
Conway Veneeered Door & Mantel Co., 2019 St. Paul, Milwaukee, Wis.
Crandall Panel Co., Brockton, N. Y.
Elliott Bay Mill Co. ("Big Timber"), 600 W Spokane av, Seattle, Wash.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Great Eastern Veneer Panel Co. (Birch, Oak, Poplar, Mahogany, Walnut & Gum in All Widths, Lengths & Thicknesses), 47th & 1st av, Brooklyn, N. Y.
Indiana Veneer & Panel Co. (3 or 5 Ply Veneer Tops & Panels for All Purposes), New Albany, Ind.
Jamestown Panel Co., Jamestown, N. Y.
LARKIN & CO., J. K. (Bed), 253 Broadway, New York
See adv index at end of book
Morgan Co. (Built Up), Oshkosh, Wis.
Pacific Door & Sash Co., 3216 S Main, Los Angeles, Cal.
Portland Mfg. Co., ft Richmond, Portland, Ore.
Prever Lumber Co., 250-252 W 23d, New York
Robinson Mfg. Co., Everett, Wash.
Roddis Lumber & Veneer Co., Marshfield, Wis.
Stiles H. A. & Co. (Built up Wood), 166-174 Portland, Boston, Mass.
See adv index at end of book
U. S. Plywood Co., 314 W. 16th, New York
Waetjen Geo. & Co., 11th av nr Viaduct, Milwaukee, Wis.
Wheeler Osgood Co., Tide Flats, Tacoma, Wash.
White Brothers ("Wybro"), Dept. H, Fifth & Brannan, San Francisco, Cal.

10582— Pans (Acid)

Badger E. B. & Sons Co., 75A Pitts, Boston, Mass. *See adv index at end of book*
Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, Ohio.
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Graver Corp., 4020 Todd av, E. Chicago, Ind.
See adv index at end of book
Genesee Chemical Co., 104H Main, Batavia, N. Y.
Manitowoc Engineering Works, Manitowoc, Wis.
Moore Samuel L. & Sons, Elizabeth, N. J.
Pulaski Foundry & Mfg. Corp., 2424 Euclid av, Cleveland, O.
See adv index at end of book

Pans (Amalgamating)

See Amalgamating Pans & Barrels

10583— Pans (Annealing)

Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Breese Bros. Co., The, 2349 Reading road, Cincinnati, O.
See adv index at end of book
Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.
Columbiana Boiler Co., Columbiana, Ohio
DOVER BOILER WORKS, Sales Office: 40 Church, New York. Works, Dover, N. J. *See adv index at end of book*
Garwood Bronze & Iron Works, Garwood, N. J.
Hammond Iron Works, Warren, Pa.
See adv index at end of book
Heggie James G. & Sons, Inc., Joliet, Ill.
Littleford Bros., 444 E Pearl, Cincinnati, O.
See adv index at end of book
OHIO MFG. CO., P. O. Box 146, Painesville, O.
Manitowoc Engineering Works, Manitowoc, Wis.
Phila. Roll & Machine Co., 52d & Grays av, Phila., Pa.

10584—Pans (Automobile Dust)

Michigan Stamping Co., Mack & Outer Belt Line, Detroit, Mich.
Mullins Body Corp., 341 Franklin, Salem, Ohio
Niles Steel Products Co., Niles, Ohio
See adv index at end of book
Pettis W. W. Co., 416-417 First Nat'l Bank bldg, Cincinnati, Ohio
Zeigler Mfg. Co., Alexandria, Ind.

10585— Pans (Bed)

Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Parker, Stevens & Co. ("Alpha" Rubber), 286 Sheffield av, Brooklyn, N. Y.
Tyer Rubber Co. ("Tyrian"), Andover, Mass.

10586-7— Pans (Bread)

Bake-Rite Consolidated, 821 Howard, San Francisco, Cal.
Central Stamping Co. ("Puritan"), 206 B'way, New York
Favorite Stove & Range Co., Piqua, Ohio
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Gem Stamped Steel Co. (Deep Drop Side), Chelsea, Mass.
Katzinger Edward Co. (Sanitary Strapped), 1959 N Cicero, Chicago, Ill.
Lalance & Grosjean Mfg. Co. (Enameled Iron, Tin, etc.), 299 B'way, New York
Maag August Co., 509 W Lombard, Baltimore, Md.
National Enameling & Stamping Co., 411 5th av, New York
Parkersburg Iron & Steel Co., Parkersburg, W. Va.
Shaw M. E., 188 N Daly, Los Angeles, Cal.

10588— Pans (Cast Iron)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Devine J. P. Co., Buffalo, N. Y.
Kutztown Foundry & Machine Co., 1421 Chestnut, Phila., Pa.
See adv index at end of book
Sowers Mfg. Co. (Evaporating, etc.), 1320 Niagara, Buffalo, N. Y.
United States Cast Iron Pipe & Foundry Co., Burlington, N. J.
Wagner Mfg. Co. ("Wagner Ware"), Sidney, Ohio

10589— Pans (Cement)

Breese Bros. Co., The, 2349 Reading road, Cincinnati, O.
See adv index at end of book
Heltzel Steel Form & Iron Co., Warren, Ohio *See adv index at end of book*
Honhorst Joseph Co., 1016 W 6th, Cincinnati, O.

10590— Pans (Chemical)

American Welding Co. (Crystallizing, etc), Carbondale, Pa.
Bethlehem Shipbuilding Corporation, Ltd., Bethlehem, Pa.
Breese Bros. Co., The, 2349 Reading road, Cincinnati, O.
See adv index at end of book
Crysteel Works, of Benjamin Electric Mfg. Co., 847 W Jackson blvd, Chicago, Ill.
Duriron Castings Co. ("Duriron" Acid Proof), Dayton, O.
GEUDER PAESCHKE & FREY CO., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Graver Corp., 4020 Todd av, E. Chicago, Ind.
See adv index at end of book
Knight Maurice A., Kelly av, East Akron, O.
McCabe Boiler Works, 195 Commerce, Newark, N. J.
Manitowoc Engineering Works, Manitowoc, Wis.
Marshall Foundry Co. 28th & R. R., Pittsburgh, Pa.
National Engineering Co., 549 W Washington blvd, Chicago, Ill.
Pulaski Foundry & Mfg. Corp., 2424 Euclid av, Cleveland, O.
See adv index at end of book
Sowers Mfg. Co., 1320 Niagara, Buffalo, N. Y.
VITREOUS ENAMELING CORPORATION ("Vitreo" Enameled), 6800 Grant av, Cleveland, Ohio
See adv index at end of book

10591— Pans (Clean-Up)

KENNEDY-VAN SAUN MFG. & ENG. CORP., 50 Church, New York
See adv index at end of book

10591a—Pans (Concentrating)

Buffalo Foundry & Machine Co. (Sulphuric Acid), 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Pulaski Foundry & Mfg. Corp., 2424 Euclid av, Cleveland, Ohio
See adv index at end of book
Thermal Syndicate Ltd. (Fused Silica), 59 E 41st, New York

10591b— Pans (Copper)

Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
Bucyrus Copper Kettle Works Co. (The), Bucyrus, O.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
GERDES & CO., 42 Church, New York
See adv index at end of book
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Marshall Blow Pipe Co., 7431 Dubois, Detroit, Mich.
Metal Products Corp., 49 Chestnut, Weehawken, N. J.
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.

10591c—Pans (Crystallizing)

Beckley Perforating Co., Garwood, N. J.
Breese Bros. Co., The, 2349 Reading road, Cincinnati, O.
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Devine J. P. Co., Buffalo, N. Y.
Dover Boiler Works, 50 Church, New York
See adv index at end of book
General Ceramics Co. 50 Church, New York
Geuder, Paeschke & Frey Co. (Acid), 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Knight Maurice A., Akron, O.
Pfaudler Co. (Glass Enameled), Cutler bldg, Rochester, N. Y.
Scientific Utilities Co., 18 E 16th, New York
Struthers-Wells Co. Warren, Pa.
Tippett & Wood, Phillipsburg, N. J.
Valley Iron Works, 81 E Water, St. Paul, Minn. & Williamsport, Pa.
Vitreous Enameling Corporation, 6800 Grant av, Cleveland, Ohio
See adv index at end of book

10592— Pans (Drip)

Aldrich Mfg. Co. (Copper), 57 Illinois, Buffalo, N. Y.
Allsteelequip Co., Aurora, Ill.
Aurora Steel Products Co., 3d, Aurora, Ill.
Bernstein Mfg. Co., 3d & Allegheny, Phila., Pa.
Breese Bros. Co., The, 2349 Reading road, Cincinnati, O.
See adv index at end of book
Budke Stamping Co., Canonsburg, Pa.
Central Stamping Co., 174 Fulton, New York
Central Stamping Co., 206 B'way, New York
Connecticut Blower Co., Inc., 133 Sheldon, Hartford, Conn.
Cordley & Hayes (Fibre), 32 Leonard, New York *See adv index at end of book*
Dover Stamping & Mfg. Co., Cambridge, Mass.
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Graver Corp. (Jacketed Steam Salt), 4020 Todd av, E Chicago, Ind.
See adv index at end of book
Hall Mfg. Co., Harrison, N. J.
Hayes Mfg. Co., 480 Mayberry, Detroit, Mich.
Hibbs E. A., Bread & Quarry, Phila., Pa.
Ingram-Richardson Mfg. Co. (Dust or Scavenger, Enameled for Gas Range), Beaver Falls, Pa.
See adv index at end of book
King Stove & Range Co., Sheffield, Ala.
Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cincinnati, O.
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Kraft A. C., 323 W Lake, Chicago, Ill.
Lyon Metallic Mfg. Co. ("Lyon" Steel), Aurora, Ill.
Mullins Body Corp., Salem, O.
National Enameling & Stamping Co., 411 5th av, New York
New Britain Machine Co. ("New Britain"), 190 Chestnut, New Britain, Conn.
Parkersburg Iron & Steel Co., Parkersburg, W. Va.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Ray Geo. A. Mfg. Co., 1495 Niagara, Buffalo, N. Y.
Sanitary Co. (Gas), Dept. H, Linfield, Pa.
Scott Roofing & Mfg. Co., 408 Culvert, Cincinnati, O.
Sexton Can Co. ("Sexton's" Auto Safety), 123 Broad, Boston, Mass.
Tippett & Wood, Phillipsburg, N. J.
Vitreous Enameling Corporation ("Vitreo" Enameled), 6800 Grant av, Cleveland, Ohio *See adv index at end of book*
Wheeling Corrugating Co., Wheeling, W. Va.
YOUNGSTOWN PRESSED STEEL CO. (Automobile Oil), Warren, Ohio
See adv index at end of book

10593-4—Pans (Drip, Automobile)

Breese Bros. Co., The, 2349 Reading road, Cincinnati, O.
See adv index at end of book
Cleveland Wire Spring Co., 1281 E 38th, Cleveland O.
Gem Stamped Steel Co. (Galvanized), Chelsea, Mass.
Kirk & Blum Mfg. Co. (Sheet Steel), 2850 Spring Grove av, Cincinnati, O.
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Metal Products Corp., 49 Chestnut, Weehawken, N. J.
Niles Steel Products Co., Niles, Ohio
See adv index at end of book
Pettis W. W. Co., 416-417 First Nat. Bank bldg, Cincinnati, Ohio
Rochester Can Co. ("Iron Horse" Galvanized), 89 Hague, Rochester, N. Y.
Sayre Stamping Co. (Aluminum), Sayre, Pa.

10595— Pans (Dry)

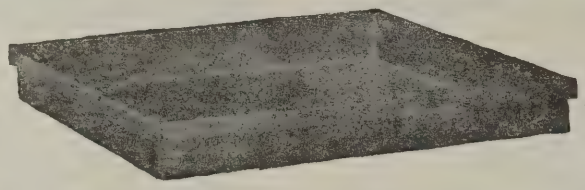
Anderson Foundry & Machine Works, Anderson, Ind.
Bonnot Co., The, 722 Mulberry rd S E, Canton, Ohio

(Continued on following page)

VITREO

ENAMELED STEEL EVAPORATING PANS

Made To Order In Any Size



Plain Or Perforated (Patented)

CHEMICAL-RESISTING NON-CORROSIVE DURABLE

THE VITREOUS ENAMELING CORPORATION CLEVELAND, O.

Pans (Dry)—Continued

Chisholm, Boyd & White Co. ("Boyd"), 57th & Wallace, Chicago, Ill.
Clearfield Machine Shops, Clearfield, Pa.
Eagle Iron Works ("Eagle"), Des Moines, Ia.
Fate-Root-Heath Co., Plymouth, O.
See adv index at end book
Fernholtz Brick Machinery Co. ("Eagle"), Boyle & Vandevent av, St. Louis, Mo.
Frost Mfg. Co., Galesburg, Ill.
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul, Milwaukee, Pa.
See adv index at end of book
Hadfield-Penfield Steel Co. (The) (Clay Grinding), Bucyrus, O.
See adv index at end of book
International Clay Machy. Co., Dayton, O.
Jackson & Church Co., Saginaw, Mich.
Patterson Foundry & Mach. Co., East Pennsylvania Crusher Co., Stephen Girard bldg, Phila., Pa.
Phillips & McLaren, 24th & Smallman, Pittsburgh, Pa.
Stevenson Co., Wellsville, O.
Taplin-Rice-Clerkin Co., Akron, O.
United Iron Works, Inc. Kansas City, Mo.
Worthington Pump & Machy. Corp., 115 B'way, New York

10595a— Pans (Drying)

(Names with * also manufacture Monel Metal)

*Beckley Perforating Co., Garwood, N. J.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
*Cleveland Wire Cloth Co., Cleveland, O.
*Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp., C. O., Southport, Conn.
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
*Magosy & Buscher, 232 Canal, New York
*Munning & Co., A. P., Matawan, N. J.
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co., John P., New Haven, Conn.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
Treadwell Constr. Co., Midland, Pa.
*Tyler Co., W. S., Cleveland, O.
Vitreous Enameling Corporation ("Vitreo" Enameling), 6800 Grant av, Cleveland, Ohio *See adv index at end of book*

10596— Pans (Dust)

AMERICAN CAN CO., 120 Broadway, New York *See adv index at end of book*
Atlantic Stamping Co., 156-180 Ames, Rochester, N. Y.
Brown Stamping Co., Toledo, O.
Central Stamping Co. (Steel Edge), 206 B'way, New York
Delphos Mfg. Co. ("Delphos" Long Handle), 1st & Pierce, Delphos, O.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Fernald Mfg. Co. ("Fernald"), North East, Pa.
Foster Sheet Metal Co., Springfield, Ill.
Fries Geo. Sons, 222 S Front, Phila., Pa.
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Higgins Mfg. Co. ("No Stoop"), Commercial bldg, Oakland, Cal.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
National Enameling & Stamping Co., 411 5th av, New York
Utility Mfg. Co., Sturgis, Mich.

10597— Pans (Evaporating)

See also Evaporators; also Stoneware, Chemical

Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
Bethlehem Foundry & Machine Co. (Cast Iron), South Bethlehem, Pa.
Breese Bros. Co., The, 2349 Reading road, Cincinnati, O.
See adv index at end of book
Bucyrus Copper Kettle Works Co. (The), Bucyrus, O.
See adv index at end of book
BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Camden Copper Works, 559 S 2nd, Camden, N. J.
Duriron Castings Co. ("Duriron," Acid Proof), Dayton, O.
Gerdes & Co., 42 Church, New York
See adv index at end of book
Griswold Mfg. Co. ("Griswold" Cast Iron & Aluminum), Erie, Pa.
Hammond Iron Works, Warren, Pa.
See adv index at end of book
Knight Maurice A. (Acid Proof), Akron, Ohio
Marshall Foundry Co., 28th & R. R., Pittsburgh, Pa.
New York Central Iron Works Co., Inc., Dept. H, Hagerstown, Md.
Oat Joseph & Sons, 28 Quarry, Phila., Pa.
Oakland Copper & Brass Wks. ("Zeithler"), Dept. H, 7th & Kirkham, Oakland, Cal.
Pulaski Foundry & Mfg. Corp., 2424 Euclid av, Cleveland, O.
See adv index at end of book
Southern Plow Co. ("Cook's"), Columbus, Ga.
Sowers Mfg. Co., 1320 Niagara, Buffalo, N. Y.
Stuart & Peterson Co., Burlington, N. J.
TOWNSEND FOUNDRY & MACHINE SHOP CO. (Cast Iron, for Chemical Mfrs., etc), Broadway & Rensselaer, Albany, N. Y.
See adv index at end of book
Vitreous Enameling Corporation ("Vitreo" Enameled), 6800 Grant av, Cleveland, Ohio *See adv index at end of book*

10597a—Pans (Foundry Grinding)

NATIONAL ENGINEERING CO., 549 W Washington blvd, Chicago, Ill.

10598— Pans (Fry)

AMERICAN GAS MACHINE CO. INC. (Folding Handles), 78 Reade, New York
Buckeye Aluminum Co. ("Real Solid" Aluminum), Wooster, O.
Cassady Fairbank Mfg. Co. (Double Folding, Aluminum or Steel), 6126 S La Salle, Chicago, Ill.
Central Stamping Co. ("Sterling" Enameled Ware), 206 B'way, New York
Griswold Mfg. Co. ("Griswold," Aluminum), Erie, Pa.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
National Enameling & Stamping Co. ("Nesco"), 411 5th av, New York
New England Enameling Co. ("Wont-Burn" Enameled Steel), Middletown, Conn.
New York Stamping Co. ("Acme," "Empire," "Brooklyn" Steel, Cold Handle), N 11th & Berry, Brooklyn, N. Y.
Northwestern Stamping Co. ("Hudson's," Double), Burlington, Ia.
Porcelain Enameling Ass'n of America ("Polar Brand," Enameled), Sheboygan, Wis.
Ray Geo. A. Mfg. Co. (Heavy Copper, etc.), 1495 Niagara, Buffalo, N. Y.
Republic Metalware Co., 100 Alabama, Buffalo, N. Y.
Royal Mfg. Co. ("Royal Corfe"), 406 Commerce, Phila., Pa.
Silver & Co., 394 Hewes, Brooklyn, N. Y.
Standard Aluminum Co. (Aluminum), Two Rivers, Wis.
Strong Mfg. Co., Sebring, O.
Wheeling Corrugating Co. (Steel), Wheeling, W. Va.

10599-600—Pans (Galvanizing)

Breese Bros. Co., The, 2349 Reading road, Cincinnati, O.
See adv index at end of book
Heggie James G. & Sons, Inc., Joliet, Ill.
Rectigraph Co., 307 St. Paul, Rochester, N. Y.
Treadwell Constr. Co., Midland, Pa.

10601— Pans (Gem)

Favorite Stove & Range Co., Piqua, Ohio
Indiana Hollow Ware Co. (Cast Iron), Jeffersonville, Ind.
Wagner Mfg. Co. ("Wagner Ware" Cast Aluminum & Cast Iron), Sidney, Ohio

10602— Pans (Gravel)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Heltzel Steel Form & Iron Co., Warren, Ohio *See adv index at end of book*
Hibbs E. A., Bread & Quarry, Phila., Pa.
Worthington Pump & Machy. Corp., 115 B'way, New York

Pans (Grinding)

See Pans, Dry; also Pans, Wet

10603— Pans (Lathe)

See also Pans, Drip

Allsteelequip Co., Aurora, Ill.
Bernstein Mfg. Co., 3d & Allegheny, Phila., Pa.
Breese Bros. Co., The, 2349 Reading road, Cincinnati, O.
See adv index at end of book

The Breese Bros. Company
SHEET METAL WORK
Sheet Steel Lathe Pans and Guards
Shop Racks, Stands
Oil Tanks & Shields
2347 Reading Rd., Cincinnati, Ohio

Clark W. J. Co., Salem, O.
Cleveland Wire Spring Co. (Sheet Steel), 1281 E 38th, Cleveland, O.
Hydraulic Pressed Steel Co. (Pressed Steel), 3152 E 61st, Cleveland, O.
Kilbourne & Jacobs Mfg. Co. (Welded Corners), Columbus, O.
Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cincinnati, O.
Kraft A. C., 323 W Lake, Chicago, Ill.
Littleford Bros. (Welded), 444 E Pearl, Cincinnati, O.
See adv index at end of book
Lyon Metallic Mfg. Co. ("Lyon" Steel), Aurora, Ill.
New Britain Machine Co. ("New Britain"), 190 Chestnut, New Britain, Conn.
OHIO MFG. CO. (Steel), P. O. Box 146, Painesville, O.
See adv index at end of book

10604— Pans (Lead)

Blaw-Knox, Freeport rd, Hoboken,, Pa.
Breese Bros. Co., The, 2349 Reading road, Cincinnati, O.
See adv index at end of book
Heggie James G. & Sons (Pressed Steel), Joliet, Ill.
Philadelphia Roll & Machine Co. (Annealing), 52d & Grays av, Phila, Pa.
Vaughn Machinery Co. (& Spelter Wire Galvanizing, Tinning & Annealing), Cuyahoga Falls, O.

10604a— Pans (Mixing)

Aufrichtig, Alois, Copper & Sheet Iron Wks., 900 S 3rd, St. Louis, Mo.
Baker Edw. J & Co., 608 Otis bldg, Chicago, Ill.
Bethlehem Foundry & Machine Co., Bethlehem, Pa.
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Littleford Bros. (& Chip), 444 E Pearl, Cincinnati, O.
See adv index at end of book
NATIONAL ENGINEERING CO., 549 W Washington blvd, Chicago, Ill.
Sowers Mfg. Co., 1320 Niagara, Buffalo, N. Y.
Stevenson & Co., Wellsville, O.
Townsend Foundry & Machine Shop Co., B'way & Rensselaer, Albany, N. Y.
See adv index at end of book

10604b— *Pans (Oil)

Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book

10604c— Pans (Platinum)

Baker & Co., 54 Austin, Newark, N. J.
Bishop J. & C. Platinum Works, Malvern, Pa.

10605— Pans (Refrigerator)

Atlantic Stamping Co. ("Atlantic" Galvanized Iron), 156-180 Ames, Rochester, N. Y.
Breese Bros. Co., The, 2349 Reading road, Cincinnati, O.
See adv index at end of book
Central Stamping Co. ("Puritan"), 206 B'way, New York
Cordley & Hayes (Fibre), 32 Leonard, New York *See adv index at end of book*
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Gem Stamped Steel Co., Chelsea, Mass.
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Kraft A. C., 323 W Lake, Chicago, Ill.
National Refrigerators Co., 827 Kolen av, St. Louis, Mo.
Peoria Can Co., Peoria, Ill.
Rochester Can Co. ("Iron Horse" Galvanized), 89 Hague, Rochester, N. Y.
Wheeling Corrugating Co., Wheeling, W. Va.

10606—Pans (Roasting & Baking)

Favorite Stove & Range Co. (Dutch Ovens), Piqua, Ohio
Griswold Mfg. Co. ("Griswold" Dutch Ovens), 12th & Raspberry, Erie, Pa.
Wheeling Corrugating Co., Wheeling, W. Va.

10607— Pans (Salt)

Bethlehem Fdry. & Machine Co., South Bethlehem, Pa.

10608— Pans (Shop)

All-Steel-Equip. Co., Aurora, Ill.
American Bridge Co., 30 Church, New York
Aurora Steel Products Co., 3d, Aurora, Ill.
Bernstein Mfg. Co., 3d & Allegheny, Phila., Pa.
Breese Bros. Co., The, 2349 Reading road, Cincinnati, O.
See adv index at end of book
Cleveland Wire Spring Co. (Sheet Steel), 1281 E 38th, Cleveland, O.
Connecticut Blower Co., Inc., 138 Sheldon, Hartford, Conn.
GEUDER PAESCHKE & FREY CO., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Kilbourne & Jacobs Mfg. Co. (Pressed Steel), Columbus, O.
Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cincinnati, O.
Kraft A. C., 323 W Lake, Chicago, Ill.
Lyon Metallic Mfg. Co. ("Lyon" Steel), Aurora, Ill.
Mullins Body Corp. (Steel), Dept. H, Salem, Ohio
New Britain Machine Co. ("New Britain") 190 Chestnut, New Britain, Conn.
OHIO MFG. CO., P. O. box 146, Painesville, O. *See adv index at end of book*

10608a—Pans (Special, Made to Order)

Alaskan Copper Works, 3000 E Marginal Way, Seattle, Wash.
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book

10608b—Pans (Steam Jacketed)

Badger E. B. & Sons Co., 75A Pitts, Boston, Mass. *See adv index at end of book*
Bethlehem Foundry & Machine Co., Bethlehem, Pa.
Breese Bros. Co., The, 2349 Reading road, Cincinnati, O.
See adv index at end of book
Bucyrus Copper Kettle Works Co. (The), Bucyrus, O.
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Sowers Mfg. Co., 1320 Niagara, Buffalo, N. Y.
Townsend Foundry & Machine Shop Co., Albany, N. Y.
See adv index at end of book

10609—Pans (Steam Revolving)

Bucyrus Copper Kettle Works Co. (The), Bucyrus, O.
Holmberg Chas. & Co., 1439 Austin av, Chicago, Ill.

10609a— *Pans (Steel Mortar)

Breese Bros. Co., The, 2349 Reading road, Cincinnati, O.
See adv index at end of book
Heltzel Steel Form & Iron Co. (The), Warren, Ohio
See adv index at end of book
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book

10609b— *Pans (Subliming)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Roos Chas. A., 429 E 91st, New York

10610—Pans (Sugar Coating)

Bucyrus Copper Kettle Works Co. (The), Bucyrus, O.
See adv index at end of book
Colton Arthur Co. (Revolving), 2600H E. Jefferson, Detroit, Mich.
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.
Wayte W. J. Inc., (Dlrs.), 5844 Grand Central Terminal, New York

10611—Pans (Sugar Cooling)

Blymer Iron Works Co., Cincinnati, O.
Breese Bros. Co., The, 2349 Reading road, Cincinnati, O.
See adv index at end of book
Kilbourne & Jacobs Mfg. Co. (For Refiners), Columbus, O.
Pulaski Foundry & Mfg. Corp., 2424 Euclid av, Cleveland, O.
See adv index at end of book
Von Pheel, Gilbert Co., Hibernia Bank bldg, New Orleans, La.

10612— Pans (Sweating)

Bethlehem Shipbuilding Corp., Ltd. (Paraffine Wax), Dept. H, Broadhead & Parker av, Bethlehem, Pa.
Hammond Iron Works, Warren, Pa.
See adv index at end of book

10613—*Pans (Taper, Steel)

ALL-STEEL-EQUIP. CO., Aurora, Ill.
Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, Ohio.
See adv index at end of book
OHIO MFG. CO., P. O. Box 146, Painesville, O. *See adv index at end of book*

10614— Pans (Vacuum)

Alaskan Copper Works, 3000 E Marginal Way, Seattle, Wash.
American Copper & Brass Works, Cincinnati, O.
Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
Aufruchtig A. Copper Iron Works, 900 S. 3rd, St. Louis, Mo.
BADGER E. B. & SONS CO., 75 Pitts, Boston, Mass.
See adv index at end of book
Baeuerle & Morris (For the Evaporation of Grain or Paste, etc), 932 N Front, Phila., Pa.
Bartlett-Hayward Co., Scott & McHenry, Baltimore, Md.
Birmingham Machine & Foundry Co., Birmingham, Ala.
Blymyer Iron Works Co., Cincinnati, O.
Boston Copper Works Co., E Boston, Mass.
Brecht Co. (Steam Jacketed), 1201 Cass av, St. Louis, Mo.
Bucyrus Copper Kettle Works Co. (The), Bucyrus, O.
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

VACUUM PANS

BUFFLOVAK

For evaporating and crystallizing liquids.
Built in standard sizes.

BUFFALO FOUNDRY & MACHINE CO.
65 Winchester Avenue, Buffalo, N. Y.

Camden Copper Works, 559 S 2nd, Camden, N. J.
Coldwell-Wilcox Co., Newburgh, N. Y.
Dibert Bancroft & Ross Co. Ltd., Tulane & Hagan av, New Orleans, La.
Dopp H. W. Co., 1300 Niagara, Buffalo, N. Y.
Duncan Stewart & Co. Ltd., Export Dept., 43 Cedar, New York
Dyer Co., 2031 Euclid av, Cleveland, O.
Elyria Enameled Products Co. (Glass Enameled), Eyria, O.
Flynn W. S., 76 Hudson, Jersey City, N. J.
Gerdes & Co., 42 Church, New York
See adv index at end of book
Guild & Garrison, 457 Kent av, Brooklyn, N. Y.
Hamler Boiler & Tank Co., Dept. H, W 66th & S 60th av, Chicago Ill.
Harris Arthur & Co. (Copper), 212 Curtis, Chicago, Ill.
Haubtman & Loeb Co. Ltd., 618 Magazine, New Orleans, La.
Hoffman-Ahlers Co, 828 E Pearl, Cinn., O.
Holmberg Chas. & Co. (Confectioners, etc), 1439 Austin av, Chicago, Ill.
Honolulu Iron Works Co., 233 Broadway, New York
Horstmann Mfg. Co., 932 Folsom, San Francisco, Cal.
Joubert & Goslin Mach. & Fdry. Co., 800 N 35th, Birmingham, Ala.
Kilby Mfg. Co. (Cast Iron & Steel), 4623 Lakeside av, Cleveland, O.
Krajewski-Pesant Mfg. Corp., 227 Fulton, New York
Kren Oscar Copper & Brass Works, 612 Bryant, San Francisco, Cal.
Laubenheimer Co. (Copper & Iron), 17 N La Salle, Chicago, Ill.
Manistee Iron Works Co. (For Salt), Manistee, Mich.
Manitowoc Engineering Works, Manitowoc, Wis.
Marshall Foundry Co., 28th & R. R., Pittsburgh, Pa.
Murphy John H, 643 Magazine, New Orleans, La.
Oat Joseph & Sons, 223 Quarry, Phila., Pa.
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.
Philadelphia Coppersmithing Co., 808 N Front, Phila., Pa.
Pioneer Iron Works, 149 Pioneer, Brooklyn, N. Y.
Premier Machinery Co., 310 Sansome, San Francisco, Cal.
See adv index at end of book
Pulaski Foundry & Mfg. Corp., 2424 Euclid av, Cleveland, O.
See adv index at end of book
Sowers Mfg. Co., 1320 Niagara, Buffalo, N. Y.
Sperry D. R. & Co. ("Sperry" Swing Kettle), Batavia, Ill.
Squier Geo. L. Mfg. Co., Buffalo, N. Y.
Sugar Machinery Co., Higgins bldg, San Francisco, Cal.
Turi Iron & Car Co., Inc., The, 50 Broad, New York. Works: Newburgh, N. Y.
Vitreous Enameling Corporation ("Vitreo" Enameled), 6800 Grant av, Cleveland, Ohio *See adv index at end of book*
Von Phul Gilbert D. (Also Multiple Effects), H, Hibernia Bank bldg, New Orleans, La.
Wood R. D. & Co., 400 Chestnut, Phila., Pa.
ZAREMBA CO., 505 Crosby bldg, Buffalo, N. Y. *See adv index at end of book*

10615— Pans (Wax)

Bethlehem Shipbuilding Corporation Ltd. (Sweating), Bethlehem, Pa.
Hammond Iron Works, Warren, Pa.
See adv index at end of book

10616— Pans (Weigh)

United Iron Works, Inc., Kansas City, Mo.

10617— Pans (Wet)

Clearfield Machine Shops, Clearfield, Pa.
Frost Mfg. Co. ("Frost"), Galesburg, Ill.
Jackson & Church Co., Saginaw, Mich.
National Engineering Co., 549 W Washington bldg, Chicago, Ill.
Pennsylvania Crusher Co., Stephen Girard bldg., Phila., Pa.
Phillips & McLaren, Pittsburgh, Pa.
United Iron Works, Inc., Kansas City, Mo.
Worthington Pump & Machinery Corp., 115 B'way, New York

10618— Pantographs

American Schaeffer & Budenberg Corp., Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book
Elliott B. K. Co., 126 6th, Pittsburgh, Pa.
Keuffel & Esser Co., Hoboken, N. J.
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.
Weber Co., F., 1220 Buttonwood, Philadelphia, Pa.

10619—Pantry Windows (Revolving)

Van Kannel Revolving Door Co., 250 W 54th, New York

10620— Paper (Absorbent)

Eaton-Dikeman Co. (All Grades), Lee, Mass.
Funke Ferdinand Sons, 1742 W Franklin, Evansville, Ind.
Hewitt C. B. & Bro., Inc., 20 Ferry, New York *See adv index at end of book*
Munroe Falls Paper Co., Masillon, O.

10621— Paper (Anti-Rust)

Brown Co., Fidelity bldg, Portland, Me.
Fox Paper Co., Lockland, O.
Robertson Paper Co., Montville, Conn.
UNION PAPER & TWINE CO., 128 St. Clair av N W, Cleveland O., & 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book
Waterproof Paper & Board Co., 427 E 6th, Cincinnati, Ohio

10622—Paper (Anti-Tarnish)

Adams Paper Co., Wells River, Vt.
Ashuelot Paper Co., Hinsdale, N. H.
Brown Co., Portland, Me.
Fox Paper Co., Lockland, O.
Greene Paper Co., 5014 Market, Phila., Pa.
Mohawk Valley Paper Co., Little Falls N.Y.

(Continued on following page)

Paper (Anti-Tarnish)—Continued

Sorg Paul A. Paper Co., Middletown, O.
Waterproof Paper & Board Co., 427 E 6th, Cincinnati, Ohio
Whittlesey F. H. Co. (Tissue), Windsor Locks, Conn.

10623— Paper (Bag)

Brown Co., Portland, Me.
Cheboygan Paper Co., Cheboygan, Mich.
Cleveland-Akron Bag Co., Cleveland, O.
Continental Paper & Bag Mills, 1 Pershing sq, New York
Crown Willamette Paper Co., San Francisco, Cal.
Cushnoc Paper Co., Augusta, Me.
DeGrasse Paper Co., Pyrites, N. Y.
Dexter Sulphite Pulp & Paper Co. Dexter, N. Y.
Eddy Paper Co., Three Rivers, Mich.
E-Z Opener Bag Co., Taylorville, Ill.
Fletcher Paper Co., Alpena, Mich.
Hartford City Paper Co. (Greaseproof & Glassine), Hartford City, Ind.
Hollingsworth & Whitney Co., 135 Devonshire, Boston, Mass.
Howland Pulp & Paper Corp., Howland, Me.
International Paper Co., Pershing Square bldg, New York
Island Paper Co., Carthage, N. Y.
Jaite Co., Jaite, O.
Lake Champlain Pulp & Paper Co., Plattsburgh, N. Y.
McDowell Paper Mills, Main & Levering, Phila., Pa.
Marseilles Wrapping Paper Co., Marseilles, Ill.
New York & Pennsylvania Co., 200 5th av, New York
Crono Pulp & Paper Co., Bangor, Me.
Raquette River Paper Co., Potsdam, N. Y.
Rogers J. & J. Co., Ausable Forks, N. Y.
Union Bag & Paper Corp., 253 Broadway, New York
Victoria Paper Mills Co., Fulton, N. Y.
Yellow Pine Paper Mill Co., Orange, Tex.

10624— Paper (Bank Note)

Brown L. L. Paper Co., Adams, Mass.
Crane & Co., Dalton, Mass.

10625—Paper (Bankers' Safety)

Hammermill Paper Co., Erie, Pa.
La Monte Geo. & Son ("National," "Bankers' Safety," "Safety Check," "Anchor"), 61 B'way, New York
Madden D. D. & Co., Inc., 287 Farragut, Portland, Ore.
Perfect Safety Paper Co., Holyoke, Mass.

10626— Paper (Bible)

Bardeen Paper Co., Otsego, Mich.
Hewitt C. B. & Bro., Inc., 20 Ferry, New York *See adv index at end of book*
Kimberly-Clark Co., Neenah, Wis.
Tileston & Hollingsworth Co., 49 Federal, Boston, Mass.

10627— Paper (Black)

Brown Co., Portland, Me.
Hewitt C. B. & Bro., Inc., 20 Ferry, New York *See adv index at end of book*
Kimberly-Clark Co., Neenah, Wis.
Lewis J. P. Co., Beaver Falls, N. Y.
Schmidt & Ault Paper Co., York, Pa.
Union Bag & Paper Corp., 253 Broadway, New York

10628—Paper (Black Coated)

American Writing Paper Co., Holyoke, Mass.
Watson H. F. Co. (Waterproof), Erie, Pa.

10629— Paper (Blasting)

Andrew Bros. Paper Co., Penn Yan, N. Y.
Atlas Paper Co., 400 S Meridian, Indianapolis, Ind.
Brown Co., Portland, Me.
Bloomsburg Paper Co. (Waterproof), Lightstreet, Pa.
Cupples Co. ("Keystone"), 401 S 7th, St. Louis, Mo.
Dooley Bros. (Jobbers), 1201 S Washington, Peoria, Ill.
Graham Paper Co., 11th & Spruce, St. Louis, Mo.
Hercules Powder Co., Wilmington, Del.
Herrlinger Paper Co., 211 Main, Cincinnati, O.
Megargee Bros. (Waterproof), 136 N Washington av, Scranton, Pa.
Paper Mfrs. Co. Inc., 5th & Willow, Phila., Pa.
Queen City Paper Co., 515 Eggleston av, Cincinnati, O.
UNION PAPER & TWINE CO., 128 St. Clair av N W, Cleveland, O., & 528 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book
Weston Paper & Mfg. Co., Dayton, O.

10630— Paper (Blotting)

Bardeen Paper Co. (Interleaving), Otsego, Mich.
Crocker, Burbank & Co., Fitchburg, Mass.
District of Columbia Paper Mfg. Co., 3255 K. N. W., Washington, D. C.
Eaton-Dikeman Co. ("Arlington," "Magnet," "Columbian," "Lenox"), Lee, Mass.
Gilbert Frank Paper Co., Waterford, N. Y.
Hampden Glazed Paper & Card Co. (Enameled, Glazed, Flint Finish, Surface Coated), Holyoke, Mass.
Hewitt C. B. & Bro., Inc., 20 Ferry, New York
See adv index at end of book
Parker Jos. & Son Co. ("Treasury," "Commercial," "Capitol"), Whalley av, New Haven, Conn.
Richmond Paper Co. ("Climax," "Star" & Enameled), Richmond, Va.
Standard Paper Mfg. Co. ("Sterling," & "Standard" Plain; "Royal Worcester" & "Defender" Enameled; "Curl-Curl," "Prismatic" & "Bankers" Linen Finish Embossed & "Super Plate," Halftone), Richmond, Va.

Standard Paper Mfg. Co.
RICHMOND, VA., U.S.A.
Makers of
REGISTERED Standard Blottings TRADE MARK

Vinton Wm. H. & Son, Brattleboro, Vt.
Wrenn Paper Co. ("Wrenn's Best," "Wrenn's Record," "Mosaic," "Miami," "Antlers," also "Porcelain" & "Competition" Enameled), Middletown, Ohio

10631—Paper (Blue Print) Mfrs.

See also Blue & Black Prints & Papers

New York Blue Print Paper Co. ("Superior," "Gold Seal," "Everite"), 96-102 Reade, New York
PEASE C. F. CO., 820 N Franklin, Chicago, Ill. *See adv index at end of book*

10632— Paper (Bogus)

Andrews Bros. Paper Co., Penn Yan, N. Y.
Harvey Paper Co., Wellsburg, W. Va.
Hammermill Paper Co. ("Hammermill"), Erie, Pa.
Hewitt C. B. & Bro., Inc., 20 Ferry, New York *See adv index at end of book*
Humphrey & Young, Napanoch, N. Y.
Lawless Paper Co., Rochester, N. Y.
Montville Paper Co., Montville, Conn.
Paraffine Cos. Inc. (Southern Board Mills), Vernon & Santa Fe avs, Los Angeles, Cal.
Richmond Robert P., Valatie, N. Y.
Robertson Paper Co., Montville, Conn.
Schmidt & Ault Paper Co., York, Pa.
Union Bag & Paper Corp., 253 Broadway, New York
Van de Carr Paper Co., Stockport, N. Y.
West Dudley Paper Co., West Dudley, Mass.

10633— Paper (Bond)

Aetna Paper Co., Dayton, O.
American Writing Paper Co., Holyoke, Mass.
Angel H. Reeve & Co., Inc., "Varsity," 7 Spruce, New York
Beckett Paper Co., Hamilton, O.
Brown Co. ("Nibroc"), Portland, Me.
Brown L. L. Paper Co., Adams, Mass.
Bryant Paper Co., Kalamazoo, Mich.
Carew Mfg. Co., South Hadley Falls, Mass.
Champion Coated Paper Co., Hamilton, O.
Chapin & Gould Paper Co., Springfield, Mass.
Chemical Paper Mfg. Co., Holyoke, Mass.
Crane & Co., Dalton, Mass.
Crocker-McElwain Co., Holyoke, Mass.
Dill & Collins Co., 112 N 12th, Phila, Pa.
East Hartford Mfg. Co., Burnside, Conn.
Eastern Mfg. Co., Bangor, Me.
Esleeck Mfg. Co. (Light Weight, Loft Dried), Turners Falls, Mass.
Everett Pulp & Paper Co., Everett, Wash.
Fox River Paper Co., Appleton, Wis.
Gilbert Paper Co., Menasha, Wis.
Hammermill Paper Co. ("Hammermill"), Erie, Pa.
Hampshire Paper Co., South Hadley Falls, Mass.
Hewitt C. B. & Bro., Inc., 20 Ferry, New York *See adv index at end of book*
International Paper Co., Pershing Square bldg, New York
Kalamazoo Paper Co., Kalamazoo, Mich.
Keith Paper Co., Turners Falls, Mass.
Kimberly-Clark Co., Neenah, Wis.
La Monte Geo. & Son ("Anchor," "La Monte" Safety), 61 B'way, New York
Lee Paper Co. (Loft Dried), Vicksburg, Mich.
Marathon Paper Mills Co., Rothchild, Wis.
Millers Falls Paper Co., Millers Falls, Mass.
Mountain Mill Paper Co., Lee, Mass.
Munising Paper Co., Munising, Mich.
Neenah Paper Co., Neenah, Wis.
Oglesby W. B. Paper Co. ("Corduroy"), Middletown, O.
Oregon Pulp & Paper Co., Salem & Paper Co., Northwestern Bank bldg, Portland, Ore.
Parsons Paper Co., Holyoke, Mass.
Peninsular Paper Co., Ypsilanti, Mich.
Rising B. D. Paper Co. ("Housatonic," "Barrington" & "Danish"), Housatonic, Mass.
Riverside Fibre & Paper Co., Appleton, Wis.
Seaman Paper Co., 410 N Michigan, Chicago, Ill.
Southworth Co., Mittineague, Mass.
Strathmore Paper Co., Mittineague, Mass.
Taylor-Atkins Paper Co., Burnside, Conn.
Taylor-Logan Co. ("Public Service"), Holyoke, Mass.
UNION PAPER & TWINE CO., 128 St. Clair av N W, Cleveland, O., & 528 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book
Valley Paper Co., Holyoke, Mass.
Weston Byron Co. ("B. W. Defiance"), Dalton, Mass.
Whiting Paper Co., Holyoke, Mass.
Whiting-Plover Paper Co., Stevens Point, Wis.
Worthy Paper Co. Assn., Mittineague, Mass.
Wroe W. E. & Co. (Construction Bond Special Water Marks for the Trade), 3630 Iron, Chicago, Ill.

10634— Paper (Book)

Advertisers Paper Mill, Holyoke, Mass.
Alexandria Paper Co., Alexandria, Ind.
American Writing Paper Co., Holyoke, Mass.
Amoskeag Paper Mill Co., Manchester, N. H.
Antietam Paper Co., Hagerstown, Md.
Bardeen Paper Co., Otsego, Mich.
Bare D. M. Paper Co., Roaring Spring, Pa.
Barnes Paper Mills, Rochester, Mich.
Bergstrom Paper Co. (Machine Finished & Super Calendered), Neenah, Wis.
Bryant Paper Co. (Super & Machine Finish), Kalamazoo, Mich.
Bulkley, Dunton & Co., 75 Duane, New York
Cantine Martin Co., Saugerties, N. Y.
Champion Coated Paper Co., Hamilton, O.
Champion International Co. (Enameled), Lawrence, Mass.
Chemical Paper Mfg. Co., Holyoke, Mass.
Contoocook Valley Paper Co., West Henniker, N. H.
Crocker, Burbank & Co., Fitchburg, Mass.
Curtis & Bro. (Rag), Newark, Del.
Dill & Collins Co., 112 N 12th, Phila, Pa.
District of Columbia Paper Mfg. Co. (All Rag Deckle Edge), 3255 K N W, Washington, D. C.
Emerson Paper Co., Sunapee, N. H.
Everett Pulp & Paper Co. (Machine Finished & Super Calendered), Everett, Wash.
Fitchburg Paper Co., Fitchburg, Mass.
French Paper Co., Niles, Mich.
Garrett C. S. & Son Co., 20 S Marshall, Phila., Pa.
Gilbert Frank Paper Co., Waterford, N. Y.
Glatfelter P. H. Co., Spring Grove, Pa.
Hamilton W. C. & Sons, Wm. Penn, Pa.
Harmon Paper Co., Brownville, N. Y.
Heer Peter Paper Box Co., 213 Institute pl, Chicago, Ill.
Hewitt C. B. & Bro., Inc., 20 Ferry, New York *See adv index at end of book*
Holden Paper Co., Newburgh, N. Y.
International Paper Co., Pershing Square bldg, New York
Jessup & Moore Paper Co., Commercial Trust bldg, Phila., Pa.
Kalamazoo Paper Co., Kalamazoo, Mich.
Kimberly-Clark Co., Neenah, Wis.
King Paper Co., Kalamazoo, Mich.
McDowell Paper Mills, Main & Levering, Phila., Pa.
Mead Pulp & Paper Co., Dayton, O.
Merrimac Paper Co. (Enameled), Lawrence, Mass.
Miamisburg Paper Co., Miamisburg, O.
Michigan Paper Co., Plainwell, Mich.
Millers Falls Paper Co., Millers Falls, Mass.
Monadnock Paper Mills, 261 Devonshire, Boston, Mass.
Monarch Paper Co., Kalamazoo, Mich.
Moorhouse R. T., 2655 Bridge, Phila., Pa.
Nashua River Paper Co., Pepperell, Mass.
New York & Pennsylvania Co., 200 5th av, New York
Oxford Paper Co., 200 Fifth av, New York
Patten Paper Co. (Ltd.), Appleton, Wis.
Peerless Paper Co., Dayton, Ohio
Peninsular Paper Co., Ypsilanti, Mich.
Poland Paper Co., Mechanic Falls, Me.
Reading Paper Mills, Reading, Pa.
Seaman Paper Co., 410 N Michigan, Chicago, Ill.
Strathmore Paper Co., Mittineague, Mass.
Taylor-Logan Co., Holyoke, Mass.
Ticonderoga Pulp & Paper Co., 200 5th av, New York. Mills: Ticonderoga, N. Y.
Tileston & Hollingsworth Co., 49 Federal, Boston, Mass.
Tomahawk Pulp & Paper Co., Tomahawk, Wis.
Warren S. D. Co., Inc., 101 Milk, Boston, Mass.
Watab Paper Co., Sartell, Minn.
Watervliet Paper Co., Watervliet, Mich.
Wheelwright Geo. W. Paper Co., 70 Franklin, Boston, Mass.
Whiting Geo. A. Paper Co., Menasha, Wis.

10635—Paper (Box Covering)

Acme Paper Co., 321 Greenwich, New York
District of Columbia Paper Mfg. Co., 3255 K, N.W., Washington, D. C.

Kimberly-Clark Co., Neenah, Wis.
Ryan J. D. Co. (Cigar), 735 Central av, Cleveland, O.
Tuttle Press Co., Appleton, Wis.
Union Bag & Paper Corp., 253 Broadway, New York
Walsh Paper Co., Cuyahoga Falls, O.

10636-7—Paper (Box Makers')

American Writing Paper Co., Holyoke, Mass.
Glens Falls Paper Products Co., 142 Maple, Glens Falls, N. Y.
Hampden Glazed Paper & Card Co. (Glazed, Flinted & Embossed), Holyoke, Mass.
Peerless Paper Box Mfg. Co., 1137 W 6th, Cleveland, O.
Schmidt & Ault Paper Co. (Chip), York, Pa.

10638—Paper (Butchers' Manila)

Andrew Bros. Paper Co., Penn Yan, N. Y.
Fox Paper Co., Lockland, O.
Humphrey & Young, Napanoch, N. Y.
International Paper Co., Pershing Square bldg, New York
Kieffer Paper Mills (Not Inc.), Brownstown, Ind.
Lawless Paper Co., Rochester, N. Y.
Lindsley Henry A. 1610 W 116th, Cleveland, O.
Marcellus Paper Co. (Waterproof), Syracuse, N. Y.
Seaman Paper Co., 410 N Michigan, Chicago, Ill.
Schmidt & Ault Paper Co., York, Pa.
UNION PAPER & TWINE CO., 128 St. Claire av N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book

10639— Paper (Carbon)

American Multigraph Sales Co., 1832 E 40th, Cleveland, Ohio
American Ribbon & Carbon Co. ("Eagle," "Onion Skin"), Rochester, N. Y.
American Sales Book Co., Ltd., Elmira, N. Y.
Apter Bros. Mfg. Co., 552 W Harrison, Chicago, Ill.
Ault & Wiborg Co., Cincinnati, O.
Brecher E. A. & Co. ("Peerless," "Unxld," "Merit"), 120 Walker, New York
Buckeye Ribbon & Carbon Co., Cleveland, Ohio
Carter's Ink Co. ("Ideal"), E Cambridge, Boston, Mass.
Carter's Ink Co. (Typewriter, Pen & Pencil), E Cambridge, Boston, Mass.
Columbia Carbon Co. ("Columbia," "Mineral Wax"), 21 E 4th, Dayton, Ohio
Columbia Ribbon & Carbon Mfg. Co. ("Columbia"), 69 Wooster, New York
Corona Supply Co. ("Corona" & "Iroquois"), Rochester, N. Y.
Crown Ribbon & Carbon Mfg. Co. ("Crown," "Globe," "Pioneer"), Rochester, N. Y.
De Fi Mfg. Co. ("De-Fi," "Solite"), 150 Nassau, New York
Foyer Chas. A. & Co. ("Foyer"), 1104 Prospect av, Cleveland, O.
General Manifold & Printing Co., Franklin, Pa.
Heale J. A. & Co. ("H.-B," "Crystal," "Rival," "Export," "Special"), 96 John, New York
Imperial Mfg. Co. ("Non-Smut"), 297 Washington, Newark, N. J.
INK RIBBON MFG. CO. ("Peacock" Silk Carbon Paper), 625 Howard, San Francisco, Cal.
International Carbon Paper Co., 100 Grand, New York
Kee Lox Mfg. Co. ("Kee Lox"), Rochester, N. Y.
Kruse Printing Ink Co., 437 Pearl, New York
Leonard C. R. Co., 424-25 Pioneer bldg, Seattle, Wash
Little A. P. ("Cobweb"), Rochester, N. Y.
Manifold Supplies Co. ("Panama"), 188 3d av, Brooklyn, N. Y.
Miller-Bryant-Pierce Co. ("Carnation," "Diamond," "Thin-O," "Clover," "Maple Leaf," "Aurora," "Special," "M. B. P."), Aurora, Ill.
Minford Ribbon & Carbon Co. ("Minford" & "Sea Bell"), 32 W 20th New York
Mittag & Volgar ("Eureka"), Park Ridge, N. J.
Monarch Supply Co., Inc., 390 E Main, Rochester, N. Y.
National Carbon Coated Paper Co., Sturgis, Mich.
Neidich Process Co., Burlington, N. J.
Non-Smut Carbon Mfg. Co. ("Attorney," "Standard"), Rochester, N. Y.
Old Town Ribbon & Carbon Co., 245 Centre, New York
Pacific Carbon & Ribbon Co., 1461 Harrison, San Francisco, Cal.
Pen Carbon Manifold Co. ("Non-Flake Typewriter Carbon"), New Brunswick, N. J.
Phillips Ribbon & Carbon Co. ("Philco"), 17H Elm, Rochester, N. Y.
Remington Typewriter Co., 374H B'way, New York
Republic-Dodge Mfg. Co. ("Du-Ra-Bul"), 188 3d av, Brooklyn, N. Y.
Rogers Manifold & Carbon Paper Co. ("Rogers"), 33 Sullivan, New York
Smith Paper Co., Lee, Mass.
Snelling & Son, 225 34th, Brooklyn, N. Y.
Stafford S. S., 609 Washington, New York
Stenno Carbon Paper Mfg. Co. ("Stenno"), 740 Sandy blvd, Portland, Ore.
Storms H. M. Co. ("American," "Triangle," "Smirchless"), 11 Vandewater, New York
Typeribbon Mfg. Co. ("Van-Sen"), 711 S Dearborn, Chicago, Ill.
Underwood Jno. & Co., 62 Park pl, New York
UNION PAPER & TWINE CO. ("Unico"), 128 St. Clair av N W, Cleveland, O, & 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book
Union Ribbon & Carbon Co. ("Summit"), 67 Laurel, Phila., Pa.
United States Typewriter Ribbon Mfg. Co. ("U. S."), 10th & Sansom, Phila., Pa.
Vacuo-Static Carbon Co. ("Smearless"), Rochester, N. Y.
Webster F. S. Co. ("Multe Kopy"), 340 Congregational, Boston, Mass.
Whitfield Carbon Paper Works ("Whitfield" Pencil & Typewriter), 33 Sullivan, New York
Wilson Carbon Paper Co., 618H S Spring, Los Angeles, Cal.

10640—Paper (Carbon Tissue)

Diamond Mills Paper Co., 53 Park pl, New York
French Process Cigarette Paper Mills Inc., 220 5th av, New York
Gandy Wm. H. (Estate), Lambertville, N. J.
Smith Paper Co., Lee, Mass.

10641—Paper (Carborundum)

Behr Herman & Co. ("Carbicon"), 33 Tiffany, Brooklyn, N. Y.
Carborundum Co. (Garnet Paper & Cloth & Aloxite Cloth, Niagara Falls, N. Y.

10642— Paper (Cartridge)

Brown Co., Portland, Me.
Bloomsburg Paper Co. (Waterproof), Lightstreet, Pa.
Cleveland-Akron Bag Co., Cleveland, O.
Everett Pulp & Paper Co., Everett, Wash.
Sorg Paul A. Paper Co., Middletown, O.
UNION PAPER & TWINE CO., 128 St. Clair av N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book

10643—Paper (Cash Register)

Burnham Asa C., Camden, N. Y.
Hartford City Paper Co., Hartford City, Ind.
Hewitt C. B. & Bro., Inc., 20 Ferry, New York *See adv index at end of book*
International Paper Co., Pershing Square bldg, New York
International Roll Paper Co., No. Manchester, Ind.
Kimberly-Clark Co., Neenah, Wis.
Paper Mfrs. Inc., 5th & Willow, Phila., Pa.
Perry Chas. E. Co., 77 Washington North, Boston, Mass.
Standard Cash Register Co. (Autographic), No. Manchester, Ind.

10643a— Paper (Cigarette)

American Writing Paper Co., Dept. H, Holyoke, Mass.
Diamond Mills Paper Co., 53 Park pl., New York
French Process Cigarette Paper Mills Inc., 220 5th av, New York
Smith Paper Co., Dept. H, Lee, Mass.
Waterproof Paper & Board Co., 427 E 6th, Cincinnati, Ohio

10644—Paper (Cloth Lined)

Cleveland-Akron Bag Co., (Poster), Cleveland, O.
Hewitt C. B. & Bro., Inc., 20 Ferry, New York *See adv index at end of book*
Le Fevre Edward Y., Fallsburg, N. Y.
Safe Pack Mills ("Safepack"), 727 Atlantic av, Boston, Mass.
UNION PAPER & TWINE CO., 125 St. Clair av, N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book

Paper (Coated)

See Paper, Surface Coated

10645-6—Paper (Condenser)

French Process Cigarette Paper Mills Inc., 220 5th av, New York
Smith Paper Co., Lee, Mass.

Paper (Copying & Manifold)

See Railroad Stationery, Blanks, Manifestos; also Paper, Manifold; also Paper, Railroad Manifold; also Paper, Railroad, Copying

10647— Paper (Cork)

Armstrong Cork Co., 24th & A. V. R. R., Pittsburgh, Pa.

10648— Paper (Corrugated)

Agar Mfg. Co., 167 41st, Brooklyn, N. Y.
Bicking S. Austin Mfg. Co., East Downingtown, Pa.
Clark Paper Mfg. Co., Rochester, N. Y.
FEDERAL CONTAINER CO., 56th & Paschall av, Phila., Pa.
Fenton Fibre Box Co., North Tonawanda, N. Y.
Fibre Package Co., 473 Clay, Detroit, Mich.
Fort Wayne Corrugated Paper Co., Fort Wayne, Ind.
Gair Robert Co., 350H Madison av, New York
Grand Corr Paper Co., 128 32d, Brooklyn, N. Y.
HINDE & DAUCH PAPER CO. (THE), (& Corrugated Paper Products), 253 Water, Sandusky, O.
See adv index at end of book

THE HINDE & DAUCH PAPER CO.
Corrugated Fibre Shipping Boxes and Packing Materials
253 Water St., SANDUSKY, OHIO

Hunt-Crawford Co., Coshocton, O.
Illinois Glass Co., Alton, Ill.
Illinois Pacific Glass Co., 15th & Folsom, San Francisco, Cal.
Interstate Corrugated Box Co., 75 Front, Brooklyn, N. Y.
Kress F. J. Co. (Products), 2930 Liberty, Pittsburgh, Pa.
Lawrence Paper Co. ("Jayhawk" Law-Double Face), 34 Greene, New York
MID-WEST BOX CO., 111 W Washington blvd, Chicago, Ill.
National Paper Products Co., 528 Battery, San Francisco, Cal.
See adv index at end of book
Nivison-Weiskopf Co., 318 Elm, Cincinnati, O.
Page Geo. G. Box Co., Cambridge, Mass.
Phillips Thos. Co., Akron, O.
Schmidt & Ault Paper Co., York, Pa.
Schmidt Lithograph Co., Dept. H, 2d & Bryant, San Francisco, Cal.
Sefton Mfg. Corp., 1301 W 35th, Chicago, Ill.
Thompson & Norris Co., The, 212 Concord, Brooklyn, N. Y.
Turner Bros. Co. ("Triangle Brand"), Terre Haute, Ind.
UNION PAPER & TWINE CO., 128 St. Clair av N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book
Warner & Childs, Co., Medford, Mass.

10649—Paper (Cotton Batting)

Robertson's Wm. Sons, Putney, Vt.

10650— Paper (Cover)

Advertisers Paper Mill, Holyoke, Mass.
American Writing Paper Co., Holyoke, Mass.
Bardeen Paper Co., Otsego, Mich.
Beckett Paper Co., Hamilton, O.
Bergstrom Paper Co., Neenah, Wis.
Case A. Willard Co., Manchester, Conn.
Chemical Paper Mfg. Co., Holyoke, Mass.
Curtis & Bro., Newark, Del.
Detroit Sulphite Pulp & Paper Co., 2607 W Jefferson, Detroit, Mich.
Dexter C. H. & Sons ("Princess," "Unique," "Levant"), Windsor Locks, Conn.
District of Columbia Paper Mfg. Co. (Plain & Fancy Patterns), 3255 K, N. W., Washington, D. C.
Gilbert Frank Paper Co., Waterford, N. Y.
Hampden Glazed Paper & Card Co. ("Sunburst," "Lodestone," "Algonkin" Embossed, Deckle Edge), Holyoke, Mass.
Hewitt C. B. & Bro., Inc., 20 Ferry, New York *See adv index at end of book*
International Paper Co., Pershing Square bldg, New York
Keith Paper Co., Turner Falls, Mass.
Kimberly-Clark Co., Neenah, Wis.
Knowlton Bros., Watertown, N. Y.
Lewis J. P. Co., Beaver Falls, N. Y.
McDowell Paper Mills, Main & Levering, Phila., Pa.
Marathon Paper Mills Co., Rothchild, Wis.
Millers Falls Paper Co., Millers Falls, Mass.
Monroe Bridge Paper Co., Monroe Bridge, Mass.
Moorhouse R. T. Paper Co., 2655H Bridge, Bridesburg, Phila., Pa.
New York-New England Co., Holyoke, Mass.
New York & Pennsylvania Co., 200 5th av, New York
Niagara Paper Mills, Lockport, N. Y.
Pejepscot Paper Co., 42 B'way, New York
Peninsular Paper Co., Ypsilanti, Mich.
Pioneer Paper Co., Ballston Spa, N. Y.

(Continued on following page)

Paper (Cover)—Continued

Seaman Paper Co., 410 N Michigan, Chicago, Ill.
Standard Paper Co., Kalamazoo, Mich.
Strathmore Paper Co., Mittineague, Mass.
Taylor Logan Co., Holyoke, Mass.
Worthy Paper Co. Assn. (Fancy & Deckle Edged), Mittineague, Mass.

10651— Paper (Crepe)

American Novelty Paper Co., Saugerties, N. Y.
Dennison Mfg. Co., 26 Franklin, Boston, Mass.
Japanese Tissue Mills, Holyoke, Mass.
Schmidt & Ault Paper Co. (Heavy), York, Pa.
Tuttle Press Co., Appleton, Wis.
United States Paper Mills, Chambersburg, Pa.

10651a— Paper (Detail)

Angel H. Reeve & Co. Inc. ("Elswick," "Berwick," "Carwick"), 7 Spruce, New York
Hewitt C. B. & Bro., Inc., 20 Ferry, New York *See adv index at end of book*
Winter, Martin, 216 W 18th, New York

10652— Paper (Document)

Detroit Sulphite Pulp & Paper Co., 2607 W Jefferson Detroit, Mich.
HEWITT C. B. & BROS. (Jobbers), 20 Ferry, New York
See adv index at end of book
Seaman Paper Co., 410 N Michigan, Chicago, Ill.
UNION PAPER & TWINE CO., 128 St. Clair av N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book

10653-4— Paper (Drawing)

American Writing Paper Co., Holyoke, Mass.
Angel H. Reeve & Co., Inc., 7 Spruce, New York
Bardeen Paper Co., Otsego, Mich.
sego, Mich.
Bedford Pulp & Paper Co., Richmond, Va.
Bryant Paper Co., Kalamazoo, Mich.
Chemical Paper Mfg. Co. (Manila), Holyoke, Mass.
Detroit Sulphite Pulp & Paper Co., 2607 W Jefferson, Detroit, Mich.
Dietzgen Eugene Co., 166 W Monroe, Chicago, Ill.
International Paper Co., Pershing Square bldg, New York
Keuffel & Esser Co., Hoboken, N. J.
Kimberly-Clark Co., Neenah, Wis.
Mason-Perkins Paper Co., Bristol, N. H.
Pease C. F. Co., 820 N Franklin pl, Chicago, Ill. *See adv index at end of book*
Schmidt & Ault Paper Co., York, Pa.
Seaman Paper Co., 410 N Michigan, Chicago, Ill.
UNION PAPER & TWINE CO., 128 St. Clair av N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book
Vincent Geo. (Mfr. "Victory" Vellum Tracing Paper), 649 W 43d, New York
Weber F. Co., 1220 Buttonwood, Phila., Pa.
WINTER, MARTIN, 216 W 18th, New York

Paper (Drawing, Tracing & Detail)

See Tracing Cloth & Paper

10655-6— Paper (Drug)

Bardeen Paper Co. (White & Grey), Ot-
Kimberly-Clark Co., Neenah, Wis.
McDowell Paper Mills, Main & Levering, Phila., Pa.
Union Bag & Paper Corp., 253 Broadway, New York
Wausau Paper Mills Co. (Bond), Brokaw, Wis.

Paper (Emery)

See Paper, Flint, Sand & Emery

10657— Paper (Enameled)

Bryant Paper Co. ("Radium," Enameled), Kalamazoo, Mich.
Cantine Martin Co., Saugerties, N. Y.
Riverview Coated Paper Co. (Book), Kalamazoo, Mich.
Seaman Paper Co., 201 S La Salle, Chicago, Ill.

10658— Paper (Envelope)

American Writing Paper Co., Holyoke, Mass.
Brown Co., Portland, Me.
Bryant Paper Co. (Rag & Wool), Kalamazoo, Mich.
Chemical Paper Mfg. Co., Holyoke, Mass.
Crocker-McElwain Co., Holyoke, Mass.
Curtis & Bros., Inc., Newark, Del.
Cushnoc Paper Co., (Manila), Augusta, Me.
Detroit Sulphite Pulp & Paper Co., 2607 W Jefferson, Detroit, Mich.
Dill & Collins Co., 112 N 12th, Phila, Pa.
Eastern Mfg. Co., Bangor, Me.
Howard Paper Co., Urbana, O. (See Dayton)
International Paper Co., Pershing Square bldg, New York
Kalamazoo Paper Co., Kalamazoo, Mich.
Kimberly-Clark Co., Neenah, Wis.
King Paper Co., Kalamazoo, Mich.
Lee Paper Co., Vicksburg, Mich.
Merrimac Paper Co., Lawrence, Mass.
Miamisburg Paper Co., Miamisburg, O.
Monadnock Paper Mills, 261 Devonshire, Boston, Mass.
Moore & Thompson Paper Co., Bellows Falls, Vt.
N. Y. & Penn. Co., 100 Fifth av, New York
Orono Pulp & Paper Co. (Manila), Bangor, Me.
Racquette River Paper Co., Potsdam, N. Y.
Robertson Paper Co. (Manila), Bellows Falls, Vt.
Rogers J. & J. Co. (Manila), Au Sable Forks, N. Y.
Seaman Paper Co., 410 N Michigan, Chicago, Ill.
Union Bag & Paper Corp., 253 Broadway, New York
Warren Mfg. Co. (Jute), 8 W 40th, New York
Watervliet Paper Co., Watervliet, Mich.

10659— Paper (Express)

Bardeen Paper Co., Otsego, Mich.
Cleveland-Akron Bag Co., Cleveland, O.
Clinton Paper Co. (No. 2), Clinton, Iowa
Crown Willamette Paper Co., San Francisco, Cal.
Eureka Paper Co., Fulton, N. Y.
E.-Z. Opener Bag Co., Taylorville, Ill.
Fox Paper Co., Lockland, O.
Gould Paper Co. (Drab), Port Leydon, N. Y.
Hewitt C. B. & Bro., Inc., 20 Ferry, New York *See adv index at end of book*
Howland Pulp & Paper Corp., Howland, Me.
International Paper Co., Pershing Square bldg, New York
Kieffer Paper Mills (Not Inc.) (No. 2 Red), Brownstown, Ind.
Kimberly-Clark Co., Neenah, Wis.
La Salle Paper Co., South Bend, Ind.
McDowell Paper Mills, Main & Levering, Phila., Pa.
Marcellus Paper Co., Syracuse, N. Y.
Marseilles Wrapping Paper Co. (Glazed) Marseilles, Ill.
Monroe Falls Paper Co., Massillon, O.
New York & Penna. Co., 200 Fifth av, New York
Onondaga Paper Co., Marcellus Falls, N. Y.
Racquette River Paper Co., Potsdam, N. Y.
Strange John Paper Co., Menasha, Wis.
Tarentum Paper Mills, 2d National Bank bldg, Pittsburgh, Pa.
Union Bag & Paper Corp., 253 Broadway, New York
Yellow Pine Paper Mill Co. (Drab), Orange, Texas
York Haven Paper Co. (Light & Dark), Land Title bldg, Phila., Pa.

10660— Paper (Fibre)

Ager C. L. J., Lyonsdale, N. Y.
American Writing Paper Co., Holyoke, Mass.
Analomink Paper Co., No. Water Gap, Pa.
Bedford Pulp & Paper Co., Richmond, Va.
Brownville Paper Co., Brownville, N. Y.
Carolina Fibre Co., Hartsville, S. C.
Central Paper Co., Muskegon, Mich.
Cherry River Paper Co., Pennsylvania bldg, Phila., Pa.
Continental Fibre Co., Newark, Del.
Continental Paper & Bag Mills, 1 Pershing sq, New York
Dells Paper & Pulp Co., Eau Claire, Wis.
Dexter Sulphite Pulp & Paper Co., Dexter, N. Y.
Diamond State Fibre Co. ("Diamond F"), Dept. 37, Bridgeport, Pa.
See adv index at end of book
Eureka Paper Co., Fulton, N. Y.
Falls Mfg. Co., Oconto Falls, Wis.
Fibre Corporation, Lockport, N. Y.
Fletcher Paper Co., Alpena, Mich.
Fibre Grand Co., Grand Rapids, Mich.
Garrett C. S. & Son Co., 20 S Marshall, Phila., Pa.
Glen Mills Paper Co., Drexel bldg, Phila., Pa.
Green Bay Paper & Fibre Co., Green Bay, Wis.
Groveton Paper Co., Inc., Groveton, N. H.
Hoboken Paper Mill Co., Hoboken, N. J.
Hollingsworth & Whitney Co., 185 Devonshire, Boston, Mass.
International Paper Co., Pershing Square bldg, New York
Island Paper Co. (Dry), Carthage, N. Y.
Island Paper Co., Menasha, Wis.
Kimberly-Clark Co., Neenah, Wis.
Lysle Wilson (Est. of), Landenberg, Pa.
McDowell Paper Mills, Main & Levering, Phila., Pa.
Malone Paper Co., Malone, N. Y.
Marcellus Paper Co., Syracuse, N. Y.
Marinette & Menominee Paper Co., Marinette, Wis.
Marshall Bros., Yorklyn, Del.
Moyer & Pratt, Lyons Falls, N. Y.
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
Nekoosa-Edwards Paper Co., Port Edwards, Wis.
New York & Pennsylvania Co., 200 5th av, New York
Onondaga Paper Co., Marcellus Falls, N. Y.
Parsons Pulp & Lumber Co., Finance bldg, Phila., Pa.
Racquette River Paper Co., Potsdam, N. Y.
Schmidt & Ault Paper Co., York, Pa.
Strange John Paper Co., Menasha, Wis.
Union Bag & Paper Corp., 253 Broadway, New York
Wausau Paper Mills Co., Brokaw, Wis.
Wilmington Fibre Specialty Co., Wilmington, Del.
Wolf River Paper & Fiber Co., Shawano, Wis.
Yellow Pine Paper Mill Co., Orange, Texas
York Haven Paper Co., Land Title bldg, Phila., Pa.

10661— Paper (Filter)

American Writing Paper Co., Holyoke, Mass.
Angel H. Reeve & Co., Inc., 7 Spruce, New York
Baker J. T. Chemical Co. ("Baker's" Ashless), Phillipsburg, N. J.
Daigger A. & Co. ("Celeritas"), 54 W Kinzie, Chicago, Ill.
Diamond State Fibre Co. ("Diamond F"), Dept. 37, Bridgeport, Pa.
See adv index at end of book
Elmer & Amend ("E. & A." & "S. & S." & "Whatman"), 205 E 18th, New York
Fougera E. & Co. ("Pratt-Dumas" Sole Agents), 90 Beekman, New York
HEWITT C. B. & BROS., INC. (Jobbers), 20 Ferry, New York
See adv index at end of book
Sargent E. H. & Co. ("J. H. Munktell's" Swedish), 155 E Superior, Chicago, Ill.
Scientific Materials Co. (All Kinds), 717 Forbes, Pittsburgh, Pa.
Wrenn Paper Co., Middletown, O.

10662— Paper (Fireworks)

Funke Ferdinand Sons (Feather Edge), 1742 W Franklin, Evansville, Ind.
Kimberly-Clark Co., Neenah, Wis.
Munroe Falls Paper Co., Massillon, O.

10662a— *Paper (Fish)

Chicago Mica Co. (& Mica), Campbell, Valparaiso, Ind.
See adv index at end of book
Diamond State Fibre Co., Dept. 37, Bridgeport, Pa.
See adv index at end of book

10663—Paper (Flint, Sand & Emery)

Adam & Elting Co., 726 Washington blvd, Chicago, Ill.
American Glue Co. ("Union" Flint, etc), 121 Beverly, Boston, Mass.
Armour Sandpaper Works ("Bull's Head") 1355 W 21st, Chicago, Ill.
Baeder, Adamson & Co., Richmond & Allegheny avs, Phila., Pa.
Behr Herman & Co. ("Brooklyn" & "Empire"), 33 Tiffany, Brooklyn, N. Y.
Carborundum Co., Niagara Falls, N. Y.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Dixon Wm., 119 Fulton, New York
Edison International Corp., 165 B'way, New York
Hammel Riglander Co., 47 Maiden lane, New York
Hemphill A. J., Inc., 733 Greenwich, New York
Hollingsworth & Vose Co., 141 Milk, Boston, Mass.
Kimberly-Clark Co., Neenah, Wis.
Manning Abrasive Co., Troy, N. Y.
Minnesota Mining & Mfg. Co. (Also Waterproof), 791 Forest, St. Paul, Minn.
Oliver Machy. Co., Grand Rapids, Mich.
Reardon Glue Mfg. Co., 2d & Clinton, Chicago, Ill.
Stiles H. A. & Co. (& Garnet), 166-174 Portland, Boston, Mass.
See adv index at end of book
Timmis & Clissold, Bound Brook, N. J.
U. S. Sand Paper Co., Williamsport, Pa.
Waddell R. J. & Co. ("National," "Metropolitan"), 52 Reekman, New York
Warren Mfg. Co., 233 B'way, New York
Wausau Abrasives Co., Wausau, Wis.
West Jersey Paper Mfg. Co. (Sand), Camden, N. J.
Wilhelm Henry Co., 136 10th, Pittsburgh, Pa.

10664— Paper (Fly)

Grand Rapids Sticky Fly Paper Co., Grand Rapids, Mich.
Kimberly-Clark Co., Neenah, Wis.
Massillon Paper Co., Massillon, O.
Munroe Falls Paper Co., Massillon, O.
National Fly Paper Co., Kenosha, Wis.
Seibert H. E. ("Seibert" Poison), 475 B'way, St. Paul, Minn.
Thum O. & W. Co. ("Tanglefoot"), Grand Rapids, Mich.
UNION PAPER & TWINE CO., 128 St. Clair av N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book

10665—Paper for Carbon Manifolding

See also Paper, Manifold

Dexter C. H. & Sons, Windsor Locks, Conn.

10666—Paper (Fourdrinier Tissue)

UNION PAPER & TWINE CO., 128 St. Clair av N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book

Paper (Garnet)

See Paper, Flint, Sand & Emery

10667— Paper (Glassine)

American Writing Paper Co., Holyoke, Mass.
Angel H. Reeve & Co., Inc., 7 Spruce, New York
Diamond State Fibre Co. ("Diamond F"), Dept. 37, Bridgeport, Pa.
See adv index at end of book
Hartford City Paper Co., Hartford City, Ind.
McDowell Paper Mills, Main & Levering, Phila., Pa.
Oregon Pulp Co., Salem, Ore.
Seaman Paper Co., 410 N Michigan, Chicago, Ill.
Warren Mfg. Co. (Riegel's "Jewel Brand"), 8 W 40th, New York

10668— Paper (Glazed)

Holyoke Card & Paper Co. (& Plated), Fiske av, Springfield, Mass.
National Coated Paper Corp. (Roll & Sheet), Pawtucket, R. I.
Riverview Coated Paper Co., Kalamazoo, Mich.

10669—*Paper Goods (Sanitary)

INDIVIDUAL DRINKING CUP CO. (Cups only, "Dixie" Drinking Cups"), Easton, Pa.

UNION PAPER & TWINE CO., 128 St. Clair av N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book

10670—*Paper (Grease Proof)

Diamond State Fibre Co. (Diamond F"), Dept. 37, Bridgeport, Pa.
See adv index at end of book
Ideal Foundry & Machinery Co., Beaver Falls, Pa.
McDowell Paper Mills, Main & Levering, Phila, Pa.
Union Bag & Paper Corp., 253 Broadway, New York

UNION PAPER & TWINE CO., 125 St. Clair av, N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book

10671— Paper (Gummed)

Crowell Corp., 34 35th, Brooklyn, N. Y.
Eisler Anthony & Co., 227 Canal, New York
Jones Samuel & Co. ("Jones Li Flat" Non-Curling), Dept. H, 47 McClellan, Newark, N. J.
Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.
McLaurin-Jones Co., Brookfield, Mass.
Metal Specialties Mfg. Co. (In Rolls), Dept. H, 338 N Kedzie av, Chicago, Ill.
National Paper Product Co., 1789H Montgomery, San Francisco, Cal.
Page Fred M. & Co. (For Paper Box Mfrs. & Sealing Machines; Sealing Tape), West Lynn, Mass.
Thomas Stationery Mfg. Co., Springfield, O.

10672—Paper (Ham Wrapping)

Bardeen Paper Co. (Antiseptic), Otsego, Mich.
Funke Ferdinand Sons (Common), 1742 W Franklin, Evansville, Ind.
Schmidt & Ault Paper Co., York, Pa.
Union Bag & Paper Corp., 253 Broadway, New York

10673-4—Paper (Hardware)

Bird & Son, East Walpole, Mass.
Case Mfg. Co., Unionville, Conn.
Fox Paper Co. (Black), Lockland, O.
International Paper Co., Pershing Square bldg, New York
Johns-Manville Inc. (Asbestos), Madison av & 41st, New York
Keystone Roofing Mfg. Co. ("Atlas," "Keystone" & "Conewago"), York, Pa.
Kimberly-Clark Co., Neenah, Wis.
Marcellus Paper Co., Syracuse, N. Y.
New York & Pennsylvania Co., 200 5th av, New York
Rogers J. J. & Co., Au Sable Forks, N. Y.
Schmidt & Ault Paper Co., York, Pa.
Union Bag & Paper Corp., 253 Broadway, New York

10675— Paper (Insulating)

See also Mica

American Mica Co. ("Puritan"), Newton Lower Falls, Mass.
American Vulcanized Fibre Co., 504 Equitable bldg, Wilmington, Del.
Barrett Co. (Also Insulatingg Rope), 17 Battery pl, New York
Bird & Son Cold Storage, East Walpole, Mass.
Bradley A. J. Mfg. Co. (Oil Stencil), 101 Beekman, New York
Cabot Samuel, Inc. ("Cabot's" Quilt), 141 Milk, Boston, Mass.
See adv index at end of book
Carey Philip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, O.
Case Bros (Boards, Any Size or Thickness) Highland Park, Conn.
Case & Risley Press Paper Co. (Fuller Board & Press Board), Oneca, Conn.
Certain-teed Products Corp., St. Louis, Mo.
Chatfield & Woods Co., 3rd & Plum, Cincinnati, O.
Chicago Mica Co. (Oiled & Treated Insulating), Campbell, Valparaiso, Ind.
See adv index at end of book
Continental Fibre Co. (Hard Fibre), Newark, Del.
Crane Bros. ("Linoid"), Westfield, Mass.
DELAWARE HARD FIBRE CO. (Hard Fibre), Wilmington, Del. Works: Marshallton, Del. *See adv index at end of book*
Dexter C. H. & Sons (Tissue, etc), Windsor Locks, Conn.
Dialectric Mfg. Co., 224 S Vandeventer, St. Louis, Mo.
Diamond State Fibre Co. (Hard Fibre), Dept. 37, Bridgeport, Pa.
See adv index at end of book
Flintkote Co. ("Rex"), 88 Pearl, Boston, Mass.
Ford Roofing Products Co., 2339 S La Salle, Chicago, Ill.
Franklin Mfg. Co. ("Franklin"), Franklin, Pa.
Hollingsworth & Vose Co. (All Grades for Insulating), 333 Washington, Boston, Mass.
Irvington Varnish & Insulator Co. ("Irvington"), Irvington, N. J.
Johns-Manville H. W. Co. (Asbestos), Madison av & 41st, New York
Keystone Roofing Co. ("Atlas," "Samson Elastic," "Keystone," "Conewago"), York, Pa.
Kingsley Paper Co., 321 St. Clair, N W, Cleveland, O.
Lehon Co. ("Per-Bona"), 4451 S Oakley av, Chicago, Ill.
See adv index at end of book
Manning John A. Paper Co., Troy, N. Y.
Meirowsky Bros. ("Excelsior"), Jersey City, N. J.
Merwin Paper Co. (Insulating Boards), Windsor, Conn.
Mica Insulator Co. ("M. I. C." "Linolac," "Micanite," "Empire," "Kablak"), 68 Church, New York
National Vulcanized Fibre Co. ("Peerless"), Beach & Maryland av, Wilmington, Del.
See adv index at end of book
Newton Paper Co., Holyoke, Mass.
Paraffin Co's., Inc., 475 Brannan, San Francisco, Cal.
Pioneer Paper Co., 247 S Los Angeles, Los Angeles, Cal.
Pittsburgh Insulating Co. (Electrical), 96-43 Pittsburgh, Pa.
Roeblings John & Sons Co., Trenton, N. J.
See adv index at end of book
Rogers Fibre Co. ("Leatheroid"), 121 Bead, Boston, Mass.
See adv index at end of book
Rogers Paper Mfg. Co. (Insulating Boards), South Manchester, Conn.
RUBEROID CO., THE ("Ruberoid Giant" & "Ruberoid Hercules"), 95 Madison av, New York
See adv index at end of book

RU-BER-OID
Insulating Papers
Giant Brand (saturated and coated on both sides).
Hercules Brand (saturated only).
These papers insulate perfectly and retain their insulating properties indefinitely. They will not absorb moisture or rot. They are unexcelled for use in refrigeration work.
The RUBEROID Co.
95 Madison Avenue New York

Single Jno. Paper Co., Syracuse, N. Y.
Standard Fibre Co., Miller st, Somerville, Mass.
Tarentum Paper Mills (Rope Paper for Insulating), 2d National Bank bldg, Pittsburgh, Pa.
Union Mills Paper Mfg. Co. (For Electric Light & Telephone Cables), New Hope, Pa.
UNION PAPER & TWINE CO., 128 St. Clair av N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book
Watson H. F. Co. (Asbestos & Rope), Erie, Pa.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book
West Va. Pulp & Paper Co., 200 5th av, New York
York Haven Paper Co. (Insulating Paper), Land Title bldg, Phila., Pa.

10676— Paper (Jute)

Hollingsworth & Vose Co., 333 Washington, Boston, Mass.
Kimberly-Clark Co., Neenah, Wis.
Seaman Paper Co., 410 N Michigan, Chicago, Ill.
Sorg Paul A., Paper Co., Middletown, O.
UNION PAPER & TWINE CO., 128 St. Clair av N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book
Wardlow-Thomas Paper Co., Middletown, Ohio
Warren Mfg. Co., 8 W 40th, New York

10677— Paper (Kraft)

Arrowhead Mills, Inc., Fulton, N. Y.
Brown Co. ("Nibroc"), Portland, Me.
Central Paper Co., Muskegon, Mich.
Cherry River Paper Mfg. Co., Board of Trade bldg, Scranton, Pa.
Claremont Paper Co., Claremont, N. H.
Continental Paper & Bag Mills, 18 E 40th, New York
Crown Willamette Paper Co., San Francisco, Cal.
Eastern Mfg. Co., Bangor, Me.
Falls Mfg. Co., Oconto Falls, Wis.
Fox Paper Co. (All Sulphate Swedish, White & Mitscherlich & Machine Glazed), Lockland, O.
Hewitt C. B. & Bro., Inc., 20 Ferry, New York *See adv index at end of book*
Hollingsworth & Whiting Co., 185 Devonshire, Boston, Mass.
Hoskin Morrainville Paper Co., Menominee, Mich.
International Paper Co., Pershing Square bldg, New York
Kimberly-Clark Co., Neenah, Wis.
McDowell Paper Mills, Main & Levering, Phila., Pa.
Menasha Paper Co., Ladysmith, Wis.
Moore & Thompson Paper Co., Bellows Falls, Vt.
Moorhouse R. T. Paper Co. (Specialties), 2655H Bridge, Bridesburg, Phila., Pa.
Mumford Paper Mills, Inc., Mumford, N. Y.
Munroe Felt & Paper Co., 79 Summer, Boston, Mass.
Newton Falls Paper Co., Watertown, N. Y.
New York & Pennsylvania Co., 200 5th av, New York
Orono Pulp & Paper Co., Bangor, Me.
Paper Products Co., 2405 W Franklin, Baltimore, Md.
Seaman Paper Co., 410 N Michigan, Chicago, Ill.
Southern Paper Co. ("Kreole"), Moss Point, Miss.
Strange John Paper Co., Menasha, Wis.
Union Bag & Paper Corp., 233 B'way, New York
Union Mill, Bancroft, Mass.
UNION PAPER & TWINE CO., 128 St. Clair av N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book
Wausau Sulphate Fibre Co., Mosinee, Wis.
West Va. Pulp & Paper Co., 200 5th av, New York
Yellow Pine Paper Mill Co., Orange, Tex.

10678— Paper (Label)

Bardeen Paper Co., Otsego, Mich.
Bryant Paper Co., Kalamazoo, Mich.
Everett Pulp & Paper Co., Lowell, Wash.
Ideal Foundry & Machinery Co., Beaver Falls, Pa.
Kimberly-Clark Co., Neenah, Wis.
King Paper Co., Kalamazoo, Mich.
Newton Paper Co., Holyoke, Mass.
New York & Pennsylvania Co., 200 5th av, New York
Oxford Paper Co., 200 5th av, New York
Seaman Paper Co., 410 N Michigan, Chicago, Ill.

10679— Paper (Lace)

Am. Lace Paper Co. (Shelf), 908 Chestnut, Milwaukee, Wis.
Kimberly-Clark Co., Neenah, Wis.
Milwaukee Lace Paper Co. ("Milapaco"), 052 Lee av, Milwaukee, Wis.
Royal Lace Paper Works, 842 Lorimer, Brooklyn, N. Y.

10680— Paper (Linen)

American Writing Paper Co. (Linen Finish), Holyoke, Mass.
Brown L. L. Paper Co., Adams, Mass.
Eastern Mfg. Co. (Linen Finish), Bangor, Me.
Eaton, Crane & Pike Co., Pittsfield, Mass.
Hewitt C. B. & Bro., Inc., 20 Ferry, New York *See adv index at end of book*
Keith Paper Co., Turner Falls, Mass.
Oglesby W. B. Paper Co., Middletown, O.
Whiting Paper Co., Holyoke, Mass.

10681— Paper (Linen Ledger)

American Writing Paper Co., Holyoke, Mass.
Beckett Paper Co., Hamilton, O.
Brown L. L. Paper Co., Adams, Mass.
Carew Mfg. Co. ("Vulcan"), S Hadley Falls, Mass.

(Continued on following page)

Paper (Linen Ledger)—Continued

Chemical Paper Mfg. Co., Holyoke, Mass.
Crane Bros. ("Gold Medal," "Japanese Linen" & All Linen Writing, etc), Westfield, Mass.
Eastern Mfg. Co., Bangor, Me.
Gilbert Paper Co., Menasha, Wis.
Hewitt C. B. & Bro., Inc., 20 Ferry, New York *See adv index at end of book*
Keith Paper Co., Turner Falls, Mass.
Oglesby W. B. Paper Co. ("White Rock"), Middletown, O.
Southworth Co., Mittineague, Mass.
Weston Byron Co. ("Weston"), Dalton, Mass.
Whiting Paper Co., Holyoke, Mass.
Whiting-Plover Paper Co., Stevens Point, Wis.

10682— Paper (Lining)

Arrowhead Mills., Inc., Fulton, N. Y.
Bardeen Paper Co. (Rag), Otsego, Mich.
Fox Paper Co. (Rag), Lockland, O.
Funke Ferdinand Sons, 1742 W Franklin, Evansville, Ind.
Gair Robert Co., 350H Madison av, New York
Hewitt C. B. & Bro., Inc., 20 Ferry, New York *See adv index at end of book*
Hoboken Paper Mill Co.,, Hoboken, N J.
International Paper Co., Pershing Square bldg, New York
Kieffer Paper Mills (Not Inc.), Brownstown, Ind.
Kimberly-Clark Co., Neenah, Wis.
La Salle Paper Co.(Rag), South Bend, Ind.
Mason-Perkins Paper Co. (Box), Bristol, N. H.
Monroe Paper Co. (Rag), Monroe, Mich.
Pairpoint Corp. (Cased), New Bedford, Mass.
Rochester Paper Products, Rochester, N. Y.
Schmidt & Ault Paper Co., York, Pa.
Seaman Paper Co., 410 N Michigan, Chicago, Ill.
Smeallie & Voorhees (Chip), Amsterdam, N. Y.
UNION PAPER & TWINE CO., 128 St. Clair av N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book
Waterproof Paper & Board Co., 427 E 6th, Cincinnati, Ohio
West Dudley Paper Co., West Dudley, Mass.

10683— Paper (Lithograph)

Am. Coating Mills, Elkhart, Ind.
Bardeen Paper Co., Otsego, Mich.
Bryant Paper Co., Kalamazoo, Mich.
Cantine Martin Co., Saugerties, N. Y.
Cleveland-Akron Bag Co. (Cloth Lined), Cleveland, O.
Curtis & Bro., Newark, Del.
Glatfelter P. H. Co., Spring Grove, Pa.
Kimberly-Clark Co., Neenah, Wis.
Merrimac Paper Co. (Coated), Lawrence, Mass.
N. Y. & Penn. Co., 200 5th av, New York
Riverview Coated Paper Co., Kalamazoo, Mich.
Seaman Paper Co., 410 N Michigan, Chicago, Ill.
Ticonderoga Pulp & Paper Co., 200 5th av, New York
Tileston & Hollingsworth Co., 49 Federal, Boston, Mass.

10684—Paper (Loose Leaf)

Brown L. L. Paper Co., Adams, Mass.
Clark Paper Mfg. Co. ("Sno-bak" Circles & Rolls), Dept. H, Rochester, N. Y.
Weston Byron Co. ("Weston" Patented), Dalton, Mass.

10685— Paper (Macaroni)

Fox Paper Co., Lockland, O.
Kimberly-Clark Co., Neenah, Wis.
Schmidt & Ault Paper Co., York, Pa.
Union Bag & Paper Corp., 253 Broadway, New York
UNION PAPER & TWINE CO., 128 St. Clair av N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book
Walsh Paper Co., Cuyanoga Falls, O.

10686— Paper (Manifold)

See also Paper, Railroad Manifolding; also Railroad Stationery, Blanks, Manifests, etc.
American Sales Book Co., Ltd., Elmira, N. Y.
Chemical Paper Mfg. Co., Holyoke, Mass.
Dexter C. H. & Sons (Linen, etc), Windsor Locks, Conn.
Esleeck Mfg. Co. (White & Colored), Turner Falls, Mass.
General Manifold & Printing Co., Franklin, Pa.
Hartford City Paper Co., Hartford City, Ind.
Mann Wm. Co., 529 Market, Phila., Pa.
Pacific Manifolding Book Co., Emeryville, Cal.
UNION PAPER & TWINE CO. ("Unico"), 128 St. Clair av N W, Cleveland,
See adv index at end of book
Whittelsey F. H. Co., Windsor Locks, Conn.

10687— Paper (Manila)

Adams Bag Co., 1900 Euclid av, Cleveland, O.
Adams Paper Co., Wells River, Vt.
Aldrich Paper Co., Watertown, N. Y.
Analomink Paper Co., North Water Gap, Pa.
Arrowhead Mills, Inc. (Light Weight), Fulton, N. Y.
Bardeen Paper Co. (Railroad), Otsego, Mich.
Blake & Higgins, Bellows Falls, Vt.
Case Mfg. Co., Unionville, Conn.
Central Paper Co., Muskegon, Mich.
Cherry River Paper Co., Pennsylvania bldg, Phila., Pa.
Claremont Paper Co., Claremont, N. H.
Cleveland-Akron Bag Co., Cleveland, O.
Continental Paper & Bag Mills, 1 Pershing sq, New York
Crown Willamette Paper Co., San Francisco, Cal.
Cushnoc Paper Co., Augusta, Me.
DeGrasse Paper Co., Pyrites, N. Y.
Dells Paper & Pulp Co., Eau Claire, Wis.
Eureka Paper Co., Fulton, N. Y.
Everett Pulp & Paper Co., Everett, Wash.
E-Z Opener Bag Co., Taylorville, Ill.
Falls Mfg. Co., Oconto Falls, Wis.
Fletcher Paper Co., Alpena, Mich.
Fox Paper Co., Lockland, O.
Gould Paper Co., Lyons Falls, N. Y.
Great Northern Paper Co., 342 Madisca av, New York
Groveton Paper Co., Inc., Groveton, N. H.
Harmon Paper Co., Brownville, N. Y.
Hawley Pulp & Paper Co. (All Grades), Oregon City, Ore.
Hennepin Paper Co., Plymouth bldg, Minneapolis, Minn.
Hewitt C. B. & Bro., Inc., 20 Ferry, New York *See adv index at end of book*
Hollingsworth & Vose Co. (Jute), 333 Washington, Boston, Mass.
Hollingworth & Whitney Co., 185 Devonshire, Boston, Mass.
Howland Pulp & Paper Corp., Howland, Me.
International Paper Co., Pershing Square bldg, New York
Island Paper Co., Carthage, N. Y.
Kieffer Paper Mills (Not Inc.), (No. 2), Brownstown, Ind.
Kimberly-Clark Co., Neenah, Wis.
Lake Champlain Pulp & Paper Co., Plattsburg, N. Y.
Lawless Paper Co., Rochester, N. Y.
LeFevre Edward Y., Fallsburg, N. Y.
Lincoln L. & Co., North Dighton, Mass.
Marathon Paper Mills Co., Rothschild, Wis.
Marinette & Menominee Paper Co., Marinette, Wis.
Montville Paper Co., Montville, Conn.
Moore & Thompson Paper Co., Bellows Falls, Vt.
Moorhouse R. T. Paper Co., 2655H Bridge, Bridesburg, Phila., Pa.
Moyer & Pratt, Lyonsdale, N. Y.
Nekoosa-Edwards Paper Co., Port Edwards, Wis.
Newton Falls Paper Co. (Sulphite), Watertown, N. Y.
Northwest Paper Co., Cloquet, Minn.
Onondaga Paper Co., Marcellus Falls N. Y.
Orono Pulp & Paper Co., Bangor, Me.
Pioneer Paper Co., Ballston Spa, N. Y.
Raquette River Paper Co. (Envelope & Printing), Potsdam, N. Y.
Reading Paper Mills, Reading, Pa.
Rogers J. & J. Co., Ausable Forks, N. Y.
Schmidt & Ault Paper Co., York, Pa.
Scottsville Paper Box Board Corp., Scottsville, N. Y.
Seaman Paper Co., 410 N Michigan, Chicago, Ill.
Taggarts Paper Co., Watertown, N. Y.
Ticonderoga Pulp & Paper Co. (White), 200 5th av, New York
UNION PAPER & TWINE CO., 128 St. Clair av N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book
Wardlow-Thomas Paper Co., Middletown Ohio
Warren Mfg. Co., 8 W 40th, New York
Wausau Paper Mills Co., Brokaw, Wis.
West Dudley Paper Co. (Board), West Dudley, Mass.
Wilf River Paper & Fiber Co., Shawano, Wis.
Yellow Pine Paper Mill Co. (No. 1), Orange, Tex.

10688— Paper (Map)

Bardeen Paper Co., Otsego, Mich.
Bryant Paper Co., Kalamazoo, Mich.
Cleveland-Akron Bag Co., Cleveland, O.
Chemical Paper Mfg. Co., Holyoke, Mass.
Educational Exhibition Co. ("Edexo"), 26 Custom House, Providence, R. I.
Fox River Paper Co., Appleton, Wis.
Kalamazoo Paper Co., Kalamazoo, Mich.
Kimberly-Clark Co., Neenah, Wis.
King Paper Co., Kalamazoo, Mich.
Seaman Paper Co., 410 N Michigan, Chicago, Ill.
Watervliet Paper Co., Watervliet, Mich.

10689—Paper (Mimeograph)

American Writing Paper Co., Holyoke, Mass.
Bardeen Paper Co., Otsego, Mich.
Bare D. M. Paper Co., Roaring Springs, Pa.
Dill & Collins Co., 112 N 12th, Phila., Pa.
Eaton Crane & Pike Co., Pittsfield, Mass.
International Paper Co., Pershing Square bldg, New York
Seaman Paper Co., 410 N Michigan, Chicago, Ill.
UNION PAPER & TWINE CO., 128 St. Clair av N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book

10690— Paper (Music)

Bardeen Paper Co., Otsego, Mich.
Dill & Collins Co., 112 N 12th, Phila, Pa.
International Paper Co., Pershing Square bldg, New York
Kimberly-Clark Paper Co., Neenah, Wis.
Merrimac Paper Co., Lawrence, Mass.
N. Y. & Penn. Co., 200 5th av, New York
Seaman Paper Co., 410 N Michigan, Chicago, Ill.
Ticonderoga Pulp & Paper Co., 200 5th av, New York

10691— Paper Napkins

American Novelty Paper Co., Saugerties, N. Y.
Burnitol Mfg. Co., Orient av, Everett sta, Boston, Mass.
Continental Paper & Bag Mills, 18 E 40th, New York
Dennison Mfg. Co., S Framingham, Mass
Erving Paper Mills, Erving, Mass.
Hoberg John Co., Green Bay, Wis.
Japanese Tissue Mills (Crepe), Holyoke, Mass.
Northern Paper Mills, Green Bay, Wis.
Paper Novelty Co., Green Bay, Wis.
Pick Albert & Co., 212 W Randolph, Chicago, Ill.
Royal Lace Paper Works, 842 Lorimer, Brooklyn, N. Y.
Stone & Forsyth Co., 67 Kingston, Boston, Mass.
Tuttle Press Co. ("Paris" Crepe), Appleton, Wis.

10692—Paper (Negative & Black Line)

Pease C. F. Co. (Mfrs.), 820 N Franklin, Chicago, Ill. *See adv index at end of book*
Weber Co., F., 1220 Buttonwood, Philadelphia, Pa.

10693— Paper (News)

Aldrich Paper Co., Watertown, N. Y.
Arrowhead Mills Inc., Fulton, N. Y.
Auglaize Box Board Co., St. Marys, O.
Barnes Paper Mills, Rochester, Mich.
Bedford Pulp & Paper Co., Richmond, Va.
Centralia Pulp & Paper Co., Centralia, Wis.
Champion Paper Co., Carthage, N. Y.
Cliff Paper Co., Niagara Falls, N. Y.
Combined Locks Paper Co. (Light Weight Catalog & Specialties), Combined Locks, Wis.
Consolidated Water Power & Paper Co., Grand Rapids, Wis.
Crown Willamette Paper Co., San Francisco, Cal.
Dells Paper & Pulp Co., Eau Claire, Wis.
Diana Paper Co., Watertown, N. Y.
Finch, Pruyn & Co. (Inc.), Glens Falls, N. Y.
Flambeau Paper Co., Park Falls, Wis.
Gilbert Frank Paper Co., Waterford, N. Y.
Gould Paper Co., Lyon Falls, N. Y.
Grandfather Falls Co., Merrill, Wis.
Great Northern Paper Co., 342 Madison av, New York
Harmon Paper Co., Brownville, N. Y.
Hawley Puly & Paper Co., Oregon City, Ore.
Hennepin Paper Co., Plymouth bldg, Minneapolis, Minn.
High Falls Pulp & Paper Co., Chateaugay, N. Y.
International Paper Co., Pershing Square bldg, New York
Itasca Paper Co., Grand Rapids, Minn.
Kimberly-Clark Co., Neenah, Wis.
Lake Champlain Pulp & Paper Co., Plattsburg, N. Y.
Malone Paper Co., Malone, N. Y.
Mason-Perkins Paper Co., Bristol, N. H.
Menasha Paper Co., Ladysmith, Wis.
Minnesota & Ontario Power Co., Andrus bldg, Minneapolis, Minn.
Moorhouse R. T. Paper Co., 2655H Bridge, Bridesburg, Phila., Pa.
Northwest Paper Co., Cloquet Minn.
Ohio Box Board Co., 1390 E 30th, Cleveland, O.
Oswego Falls Pulp & Paper Co., Fulton, N. Y.
Outagamie Paper Co., Kaukauna, Wis.
Patten Paper Co. (Ltd.), Appleton, Wis.
Pejepscot Paper Co., 42 B'way, New York
Pettebone-Cataract Paper Co., Niagara Falls, N. Y.
Remington Paper & Power Co., Watertown, N. Y.
Rhinelander Paper Co., Rhinelander, Wis.
St. Croix Paper Co., 244 Washington, Boston, Mass.
St. George Paper Co., Norwalk, Conn.
St. Regis Paper Co., Watertown, N. Y.
Schroon River Pulp & Paper Co., Warrensburg, N. Y.
Seaman Paper Co., 208 S La Salle, Chicago, Ill.

Taggait's Paper Co., Watertown, N. Y.
Washington Pulp & Paper Corp., Port Angeles, Wash.
Watab Paper Co., Sartell, Minn.
West End Paper Co., Carthage, N. Y.
Wisconsin River Paper & Pulp Co., Neenah, Wis.

Paper (Oiled)

See Paper (Insulating)

10694—Paper (Onion Skin)

Bryant Paper Co., Kalamazoo, Mich.
Chemical Paper Mfg. Co., Holyoke Mass.
Dexter C. H. & Sons ("Star"), Windsor Locks, Conn.
Esleeck Mfg. Co., Turners Falls, Mass.
Hartford City Paper Co., Hartford City, Ind.
Seaman Paper Co., 410 N Michigan, Chicago, Ill.
UNION PAPER & TWINE CO., 128 St. Clair av N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book

10695—Paper (Packing, Corrugated)

Agar Mfg. Co., 167 41st, Bklyn, N. Y.
American Tar Products Co. (Roofing), 208 S La Salle, Chicago, Ill.
Clark Paper Mfg. Co. ("Sno-bak" Circles & Rolls), Dept. H, Rochester, N. Y.
Gair Robert Co., 350H Madison av, New York
Interstate Corrugated Box Co., 75 Front, Brooklyn, N. Y.
Lawrence Paper Mfg. Co. ("Jayhawk"), Lawrence, Kans.
National Paper Products Co., 528 Battery, San Francisco, Cal.
See adv index at end of book
Nivison-Weiskopf Co., 318 Elm, Cincinnati, Ohio
Schmidt & Ault Paper Co., York, Pa.
Sefton Mfg. Corp., 1301 W 35th, Chicago, Ill.
Thompson & Norris Co., The, 212 Concord, Broklyn, N. Y.
UNION PAPER & TWINE CO., 128 St. Clair av N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book

10696— Paper (Papeterie)

American Papeterie Co., Albany, N. Y.
American Tar Products Co. (& Plain), 208 S La Salle, Chicago, Ill.
American Writing Paper Co., Holyoke, Mass.
Chemical Paper Mfg. Co., Holyoke, Mass.
Crunden, Martin Mfg. Co. (Tablet Form), 2nd & Gratiot, St. Louis, Mo.
Eastern Mfg. Co., Bangor, Me.
Eaton, Crane & Pike Co., Pittsfield, Mass.
Hurd Geo. B. & Co., 425 Broome, New York
Murphy John A. Co., 126 Commonwealth, Springfield, Mass.
National Papeterie Co., Holyoke, Mass.
New York-New England Co., Holyoke, Mass.
Powers Paper Co., Springfield, Mass.
Ward Marcus, Inc, Pearson & Creek, Long Island City, N Y
White & Wyckoff Mfg. Co., Holyoke, Mass.
Whiting & Cook, Inc., Holyoke, Mass.

10697— Paper (Parchment)

Angel H. Reeve & Co. (Belgian Vegetable Importer), 7 Spruce, New York
Bergstrom Paper Co., Neenah, Wis.
Brown L. L. Paper Co., Adams, Mass.
Crocker-McElwain Co., Holyoke, Mass.
Diamond State Fibre Co. ("Diamond F" Vegetable), Dept. 37, Bridgeport, Pa.
See adv index at end of book
East Hartford Mfg. Co., Burnside, Conn.
Greenwich, New York
Glen Mills Paper Co. (Vegetable), Drexel bldg, Phila, Pa.
Hartford City Paper Co. (Imitation), Hartford City, Ind.
International Paper Co., Pershing Square bldg, New York
Kalamazoo Vegetable Parchment Co. (Vegetable), Kalamazoo, Mich.
Mountain Mill Paper Co. (Grease Proof), Lee, Mass.
Paterson Parchment Paper Co. (Vegetable), Passaic, N. J.
Raquette River Paper Co., Potsdam, N. Y.
Taylor-Logan Co., Holyoke, Mass.
Union Bag & Paper Corp., 253 Broadway, New York
UNION PAPER & TWINE CO., 128 St. Clair av N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book
Warren Parchment Co., Dexter, N. Y.
Weber Co., F., 1220 Buttonwood, Philadelphia, Pa.
West Carrollton Parchment Co. ("Puritan" Vegetable, Printed & Plain). West Carrollton, O. (See Dayton)
Winter, Martin, 216 W 18th, New York

10698— Paper (Pattern)

Ashnelst Paper Co. (Tissue), Hinsdale, N. H.
Case Mfg. Co., Unionville, Conn.
Diamond Mills Paper Co., 53 Park pl, New York
Greene Paper Co., 5014 Market, Phila., Pa.
HEWITT C. B. & BROS., INC. (Jobbers), 20 Ferry, New York
See adv index at end of book
Hollingsworth & Vose Co., 333 Washington, Boston, Mass.
International Paper Co., Pershing Square bldg, New York
Kimberly-Clark Co., Neenah, Wis.
Lewis J. P. Co. (Black), Beaver Falls, N. Y.
Lincoln L. & Co., North Dighton, Mass.
Menasha Paper Co., Ladysmith, Wis.
Michigan Paper Co., Plainwell, Mich.
Mumford Paper Mills, Inc., Mumford, N. Y.
Niagara Paper Mills, Lockport, N. Y.
Schmidt & Ault Paper Co., York, Pa.
Union Bag & Paper Corp., 253 Broadway, New York
UNION PAPER & TWINE CO., 128 St. Clair av N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book
Walsh Paper Co., Cuyahoga Falls, O.
West Jersey Paper Mfg. Co., Camden, N. J.
Winter, Martin, 216 W 18th, New York

10699—Paper (Photographic)

American Photographic Paper Co., 2304 Washington, Boston, Mass.
American Writing Paper Co., Holyoke, Mass.
Ansco Co. ("Cyko"), Binghamton, N. Y.
Cramer G. Dry Plate Co. ("Alpha"), Shenandoah & Lemp avs, St. Louis, Mo.
Defender Photo Supply Co. ("Argo"), Rochester, N. Y.
Eastman-Kodak Co., Rochester, N. Y.
Haloid Co., Rochester, N. Y.
Lewis J. L. ("Seltona"), 132 W 32nd, New York
Lewis J. P. Co., Beaver Falls, N. Y.
Machine Mfg. & Engineering Co., Council Bluffs, Ia.
Rectigraph Company, Rochester, N. Y.
Straight Dry Plate Co. (Positive), Jamestown, N. Y.
Valley Paper Co., Holyoke, Mass.
Winter, Martin, 216 W 18th, New York

10700—Paper (Playing Card)

Kimberly-Clark Co., Neenah, Wis.
Oglesby W. B. Paper Co., Middletown, O.

10701—Paper (Railroad Copying)

Dexter C. H. & Sons ("Star" White & Manila), Windsor Locks, Conn.
Greene Paper Co. (Yellow Tissue), 5014 Market, Phila., Pa.
International Paper Co., Pershing Square bldg, New York
Kimberly-Clark Co., Neenah, Wis.
Mann Wm. Co. ("American Railroad," "Answell," "Old Reliable Parchment Paper," "Shen-King"), 529 Market, Philadelphia, Pa.
Rainbow Paper Mills, Rainbow, Conn.
Whittelsey F. H. Co. (Yellow), Windsor Locks, Conn.
Winter, Martin, 216 W 18th, New York

10702—Paper (Railroad Manifolding)

Hartford City Paper Co., Hartford City, Ind.
Reyburn RR. Mfg. Co., 32nd & Allegheny av, Phila., Pa.
Whittelsey F. H. Co., Windsor Locks, Conn.

10703—Paper (Railroad Manila & Writing)

See also Paper, Writing

Bardeen Paper Co., Otsego, Mich.
Brownville Paper Co., Brownville, N. Y.
Everett Pulp & Paper Co., Everett, Wash.
Hewitt C. B. & Bro., Inc., 20 Ferry, New York *See adv index at end of book*
Hollingsworth & Whitney Co., 185 Devonshire, Boston, Mass.
International Paper Co., Pershing Square bldg, New York
Kimberly-Clark Co., Neenah, Wis.
Moore & Thompson Paper Co., Bellows Falls, Vt.
New York & Penna. Co., 200 5th av, New York
Riverton Co., Riverton, Conn.
Robertson Paper Co., Bellows Falls, Vt.
Seaman Paper Co., 410 N Michigan, Chicago, Ill.
UNION PAPER & TWINE CO., 128 St. Clair av N W, Cleveland, O., and 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book

10704— Paper (Ribbon)

Natl. Refining Co., 1400 E 9th, Cleveland, O.

10705—Paper (Roofing, Saturated)

See also Paper, Roofing, Sheathing & Building

Asphalt Roofing Co., Saginaw, Mich.
Barber Asphalt Paving Co. ("Genasco"), Land Title bldg, Phila., Pa.
Barrett Co., 40 Rector, New York
Bird & Son ("Neponset Paroid"), East Walpole, Mass.
Chatfield & Woods Co., 3d & Plum, Cincinnati, O.
Cleveland-Akron Bag Co., 1890 E 40th, Cleveland, Ohio
Denver Gas & Electric Light Co., Denver, Colo.
Flinkote Co. ("Rex"), 88 Pearl, Boston, Mass.
Ford Roofing Products Co., 2339 S La Salle, Chicago, Ill.
Johns-Manville Inc. (Rosin Size), Madison av & 41st, New York
Kimberly-Clark Co., Neenah, Wis.
Lehon Co., 4451 S Oakley av, Chicago, Ill.
See adv index at end of book
National Roofing Co., Tonawanda, N. Y.
New England Felt Roofing Works, 101 Milk, Boston, Mass.
Pioneer Paper Co., 247 S Los Angeles, Los Angeles, Cal.
RUBEROID CO., THE ("Ruberoid"), 95 Madison av, New York
See adv index at end of book

RU-BER-OID
Roofing Papers
Ruberoid Roll-roofing—The pioneer composition roofing manufactured in two styles: Smooth-surfaced and Mineralized.
Giant Brand (saturated and coated on both sides).
Hercules Brand (saturated only)—These papers will not absorb moisture or rot. They are particularly valuable for laying under slate, tile or metal roofs.
The RUBEROID Co.
95 Madison Avenue New York

Safepack Mills ("Safekote"), 727 Atlantic av, Boston, Mass.
Stowell Mfg. Co., 240 Culver av, Jersey City, N. J.
Texas Company (The), Dept. D, 17 Battery pl, New York
See adv index at end of book
UNION PAPER & TWINE CO., 128 St. Clair av NW, Cleveland, O., and 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book
Vulcanite Roofing Co., 16th & Texas, San Francisco, Cal.
Weaver Roof Co. ("Weaver"), 339 E 2d, Los Angeles, Cal.
Western Roofing & Supply Co., 3611 Loomis, Chicago, Ill.
White A. H. Co., Ltd. ("Shellene"), Howard, Venus, Miro & Tonti, New Orleans, La.

10706—Paper (Roofing, Sheathing & Building)

See also Paper, Roofing Saturators

American Insulation Co., Nicetown, Phila., Pa. *See adv index at end of book*
Am. Tar Products Co., 208 S La Salle, Chicago, Ill.
Andrew Bros. Paper Co., Penn Yan, N. Y.
Arrowhead Mill Inc., Dept. H, Fulton, N. Y.
Asphalt Roof Coating Co., Ltd., 10 E 43rd, New York
Barber Asphalt Co. ("Genasco"), Land Title bldg, Phila., Pa.
Barnitz Geo. A., York, Pa.
Barrett Co. (Roofing Felt), 40 Rector, New York
Beloit Box Board Co. (Roofing & Building), Beloit, Wis.
Bicking S. Austin Mfg. Co. (Rosin-Sized Sheathing), East Downingtown, Pa.
Bird & Son ("Neponset"), (Roofing, also Sheathing & Building), East Walpole, Mass.
Brown Co. ("Bermico"), Portland, Me.
CABOT SAMUEL, INC. ("Cabot's" Sheathing & Deadening Quilt), 141 Milk, Boston, Mass.
See adv index at end of book
Certain-teed Products Corp. (Building, Ready Roofing, Saturating & Deadening Felts, Red & Gray Rosin, Sized), Boatman's Bank bldg, St. Louis, Mo.
Chapman & Soden, 150 Oliver, Boston, Mass.
Chatfield Mfg. Co., 298-302 State, Cincinnati, O.
Chatfield Paper Co. (Roofing & Building), New Haven, Conn.
Chatfield & Woods Co. (Building), 3d & Plum, Cincinnati, O.
Cleveland-Akron Bag Co., 1890 E 40th, Cleveland, O.
Diem & Wing Paper Co. (Roofing & Sheathing), Gilbert av, Cincinnati, O.
Dunton M. W. Co. (Red Paper), 150 Niagara, Providence, R. I.
Ehret Magnesia Mfg. Co., Valley Forge, Pa.
Federal Asbestos Co., Milwaukee, Wis.
Field & White Co. (Roofing & Building), 116 Nassau, New York
Flintkote Co. ("Rex" Black), 88 Pearl, Boston, Mass.
Ford Roofing Products Co., 2339 S La Salle, Chicago, Ill.
Fox Paper Co. (Building & Sheathing), Lockland, O.
Globe Iron Roofing & Corrugating Co. (Rosin Sized Sheathing), Dept. H, Newport, Ky.

(Continued on following page)

Paper (Roofing, Sheathing & Building)—Continued

Graham Paper Co. (Bldg, Water Proof, Asbestos, etc., Jobbers), 11th & Spruce, St. Louis, Mo.

HEWITT C. B. & BROS., INC. ("Oronoko" Jobbers), 20 Ferry, New York
See adv index at end of book

C. B. HEWITT & BROS., Inc.
20 FERRY ST., NEW YORK
Manufacturers, Importers and Dealers

Paper Pattern Papers, Detail and Tracing Papers, Flexible Papers, Backing Paper, Card Middles, Jute and Rope Manillas, Building Papers, Wrapping, Book, Bonds, Writing, Ledger. Special Papers made to order.

Boards Binders Boards, Trunk and Case Boards, Friction Boards, Leather Boards, Fibre Boards News and Press Boards, Box Boards, Straw Boards (Air and Steam Dried.) A.B.C. Pattern Boards a specialty.

Glue Foreign and Domestic, Hide and Bone Glues. Sheet, Broken and Ground, for Cabinet and Piano Work (joint and veneer), Paper Making, Straw Hat and Fabric and Kalsomine Sizing, Bindery, Furniture and Box Makers' Glues.

Gelatine Capsule Manufacturers, Pharmaceutical Preparation Makers, Confectioners, Jelly and Preserve Manufacturers, etc.

Hollingsworth & Vose Co. (Red Rope Roofing), 333 Washington, Boston, Mass.
Hollywell Mills (Dry Roofing, also Building), Chambersburg, Pa.
Johns-Manville Inc., Madison av & 41st, New York
Keystone Roofing Mfg. Co. ("Keystone" & "Samson Elastic"), York, Pa.
Kingston Paper Co., Inc. (Saturating & Deadening Felts, Roofing & Building), Little Falls, N. Y.
Lafian Paper Co. (Sheathing), York, Pa.
Lang Jno. Paper Co. (Roofing & Saturating & Deadening Felts), 24th & Vine, Phila., Pa.
Lewis F. J. Mfg. Co., 2513 S Robey, Chicago, Ill.
Lincoln L. & Co. (Sheathing), North Dighton, Mass.
Lockport Paper Co. (Roofing Felt, also Sheathing & Deadening), Lockport, N. Y.
Los Angeles Paper Mfg. Co. (Sheathing & Saturating & Deadening Felts), Los Angeles, Cal.
McHenry Millhouse Mfg. Co. (Roofing), South Bend, Ind.
Mac-Sim-Bar Paper Co. (Saturating Roofing & Building), Otsego, Mich.
Minneapolis Paper Co. (Roofing & Building), 4th av S & 5th, Minneapolis, Minn.
Mullen Bros. Paper Co. (Building & Sheathing), St. Joseph, Mich.
Munroe Felt & Paper Co. (Roofing), 79 Summer, Boston, Mass.
Nelson B. F. Mfg. Co. (Roofing, also Building), Minneapolis, Minn.
Newport Rolling Mill Co., Newport, Ky.
Newton Paper Co. ("Elephant Brand" Red Rosin Sized Sheathing), Holyoke, Mass.
Paraffine Companies, Inc., California Paper & Board Mills Div. (Sheating), San Francisco, Cal.
Paraffine Cos., Inc. (Southern Board Mills), Vernon & Santa Fe avs, Los Angeles, Cal.
Pioneer Paper Co. ("Pioneer Brand"), 247 S Los Angeles, Los Angeles, Cal.
Richardson Paper Co. (Roofing), Wyoming & Cooper avs, Lockland, O.
Roberts Jno. & Son Co. (Asbestos, Sheathing, etc), Waltham, Mass.
RUBEROID CO., THE ("Ruberoid"), 95 Madison av, New York
See adv index at end of book

RU-BER-OID
Sheathing Papers

Ruberoid Roll-roofing—The original ready-to-lay roofing with a service record of more than 30 years.

Giant Brand (saturated and coated on both sides).

Hercules Brand (saturated only)—These papers remain under floors or in walls indefinitely, practically unchanged. They resist acid and alkalis.

The RUBEROID Co.
95 Madison Avenue New York

Safepack Mills ("Safekote"), 727 Atlantic av, Boston, Mass.
Schmidt & Ault Paper Co. ("Codorus" Sheathing), York, Pa.
Servicised Products Co. ("Servicised"), First Natl. Bank bldg, Chicago, Ill.
Simplex Paper Co. (Sheathing), Palmyra, Mich.
Union Mills Paper Mfg. Co. (Building), New Hope, Pa.
UNION PAPER & TWINE CO., 128 St. Clair av, NW, Cleveland, O., and 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book
Wall J. F. & Son (Sheathing, Roofing & Waterproof Building), Walpole, Mass.
Weaver Roof Co. ("Weaver"), 339 E 2d, Los Angeles, Cal.
Watson H. F. Co., Erie, Pa.
York Haven Paper Co. (Roofing & Waterproof Building; also Prepared Roofing Paper), Land Title bldg, Phila., Pa.

10707— Paper (Rope)

American Writing Paper Co., Holyoke, Mass.
Baeder-Adamson Co., Richmond & Allegheny, Phila., Pa.
Case Mfg. Co., Unionville, Conn.
Case & Marshall, Burnside, Hartford, Conn.
Cleveland-Akron Bag Co., Cleveland, O.
Detroit Sulphite Pulp & Paper Co., 2607 W Jefferson, Detroit, Mich.
Eureka Paper Co., 265 W B'way, New York
George & Sherrard Paper Co., Wellsburg, W. Va.
Globe Paper Box Co. (Also Fibre & Kraft Papers), 223 W Huron, Chicago, Ill.
Harvey Paper Co., Wellsburg, W. Va.
HEWITT C. B. & BROS. INC. (Jobbers), 20 Ferry, New York
See adv index at end of book
Hollingsworth & Vose Co., 333 Washington, Boston, Mass.
Jaite Co., Jaite, O.
Manning John A. Paper Co., Troy, N. Y.
Marseilles Wrapping Paper Co., Marseilles, Ill.
Newton Paper Co., Holyoke, Mass.
Phillips Thos. Co. (Pure Rope Papers & Colored Rope Specialties), Akron, O.
Reading Paper Mills, Reading, Pa.
Reyburn Mfg. Co., 32nd & Allegheny av, New York
Sorg Paul A. Paper Co., Middletown, O.
Taggart Bros. Co., Watertown, N. Y.
Tarentum Paper Mills, 2nd National Bank bldg, Pittsburgh, Pa.
Union Mills Paper Mfg. Co. (Pure Rope Papers & Colored Rope Specialties), New Hope, Pa.
VALVE BAG CO. OF AMERICA, 3440-3444 Summit av, Toledo, O.
See adv index at end of book
Wardlow-Thomas Paper Co., Middletown, O.
Warren Mfg. Co., 8 W 40th, New York
West Jersey Paper Mfg. Co., Camden, N. J.

10708— Paper (Sack)

Cleveland-Akron Bag Co., Cleveland, O.
Hollingsworth & Vose Co., 333 Washington, Boston, Mass.
Newton Falls Paper Co., Watertown, N. Y.
Orono Pulp & Paper Co., Bangor, Me.
Schorsch & Co., 500 E 133d, New York

Paper (Sand)

See Paper, Flint, Sand & Emery

10709— Paper (Screening)

Fox Paper Co., Lockland, O.
Hoboken Paper Mill Co., Hoboken, N. J.
International Paper Co., Pershing & Square bldg, New York
Marcellus Paper Co., Syracuse, N. Y.
Onondaga Paper Co., Marcellus Falls, N.Y.
Parsons Pulp & Lumber Co., Finance bldg, Philadelphia, Pa.
Schmidt & Ault Paper Co., York, Pa.
Union Bag & Paper Corp., 253 Broadway, New York

10710—Paper (Silver Tissue)

Dexter C. H. & Sons ("Star" Grass Bleached), Windsor Locks, Conn.
Diamond Mills Paper Co., 53 Park pl, New York
Drakenfeld B. F. & Co., Inc., 50 Murray, New York
Whittelsey F. H. Co. (Grass Bleached), Windsor Locks, Conn.

10711—Paper (Soap Wrapping)

Hartford City Paper Co., Hartford City, Ind.
Tuttle Press Co., Appleton, Wis.
Union Bag & Paper Corp., 253 Broadway, New York
Whitaker Paper Co., Eggleston av, 6th & Lock, Cincinnati, O.

10712— Paper (Starch)

Walsh Paper Co., Cuyahoga Falls, O.

10713— Paper (Stencil)

BRADLEY A. J. MFG. CO., 101 Beekman, New York
DIAGRAPH STENCIL MACHINE CORP., DIV. AMERICAN BAKERS MACHINERY CO., 1600 S Kingshighway blvd, St. Louis, Mo.
See adv index at end of book
HEWITT C. B. & BROS. INC. (Jobbers), 20 Ferry, New York
See adv index at end of book
Ideal Stencil Machine Co., 42 Ideal Block, Belleville, Ill.
See adv index at end of book
UNION PAPER & TWINE CO., 128 St. Clair av, NW, Cleveland, O., and 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book
Universal Stamp Works, 285 Market, Newark, N. J.
Weber Co., F., 1220 Buttonwood, Philadelphia, Pa.
Winter, Martin, 216 W 18th, New York

10714—Paper (Stereotyping)

Drakenfeld B. F. & Co., Inc., 50 Murray, New York
Parker Jos. & Son Co., Whalley av, New Haven, Conn.

10715— Paper (Straw)

Coshocton Straw Paper Co. (For Corrugating Purposes, Coshocton, O.
Hagar Straw Board & Paper Co., Xenia, O.
Heffernan Jas. P. Paper Co., 25 Water, New York

10716—Paper (Surface Coated)

American Sales Book Co. ("Amsaboco"), Elmira, N. Y.
Bardeen Paper Co., Otsego, Mich
Bryant Paper Co., Kalamazoo, Mich.
Champion Coated Paper Co., Hamilton, O.
Cleveland-Akron Bag Co., Cleveland, O.
Continental Paper & Bag Mills, 1 Pershing sq, New York
Dill & Collins Co., 112 N 12th, Phila, Pa.
Ft. Orange Paper Co., Castleton-on-Hudson, N. Y.
Franklin Coated Paper Co., Franklin, O.
Hampden Glazed Paper & Card Co., Holyoke, Mass.
Hewitt C. B. & Bro., Inc., 20 Ferry, New York *See adv index at end of book*
Merrimac Paper Co., Lawrence, Mass.
National Coated Paper Corp., Pawtucket, R. I.
National Carbon Coated Paper Co., Sturgis, Mich.
Riverview Coated Paper Co., Kalamazoo, Mich.
Seaman Paper Co., 410 N Michigan, Chicago, Ill.
UNION PAPER & TWINE CO., 128 St. Clair av, NW, Cleveland, O., and 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book
Walther & Co., 72 Duane, New York
Watervliet Paper Co., Watervliet, Mich.

10717— Paper (Tag)

Campbell Tag Co. ("Campbell"), South Bend, Ind.
Cherry River Paper Co. (Manila), Pennsylvania bldg, Phila., Pa.
Detroit Sulphite Pulp & Paper Co., 2607 W Jefferson, Detroit, Mich.
Hollingsworth & Vose Co., 333 Washington, Boston, Mass.
International Paper Co., Pershing Square bldg, New York
Marathon Paper Mills Co., Rothschild, Wis.
Monroe Bridge Paper Co. (Manila Tag Board), Monroe Bridge, Mass.
National Coated Paper Corp., Pawtucket, R. I.

10718— Paper (Ticket)

Ft. Orange Paper Co., Castleton-on-Hudson, N. Y.
International Paper Co., Pershing Square bldg, New York
La Monte Geo. & Son ("National Safety," "Association"), 61 B'way, New York
Madden D. D. & Co., Inc. (Safety), 287 Farragut, Portland, Ore.
Monroe Bridge Paper Co. (Roll), Monroe Bridge, Mass.

10719— Paper (Tissue)

A. P. W. Paper Co., 1273 Broadway, Albany, N. Y.
Adams Paper Co. (Manila & Anti-Tarnish), Wells River, Vt.
Ancram Paper Mills, 150 W 22d, New York
Angel H. Reeve & Co., Inc. (Japanese), 7 Spruce, New York.
Ashuelot Paper Co., Hinsdale, N. H.
Blossvale Paper Co., Blossvale, N. Y.
Carthage Tissue Paper Mills (Packages & Rolls), Carthage, N. Y.
California-Oregon Paper Mills, E 55th & Alameda, Los Angeles, Cal.
Clayville Paper Mills Co., Clayville, N. Y.
Cole W. A. Paper Co. (Manila), Putney, Vt.
Consumers' Box Board & Paper Co. (Rolls Only), Lititz, Pa.
Continental Paper & Bag Mills (Manila, White & Colored Crash), 1 Pershing sq, New York

Crown Willamette Paper Co., San Francisco, Cal.
Crystal Paper Co., Middletown, O.
Detroit Sulphite Pulp & Paper Co., 2607 W Jefferson, Detroit, Mich.
Dexter C. H. & Sons ("Star," White & Colored), Windsor Locks, Conn.
Diamond Mills Paper Co., 53 Park pl, New York
Erving Paper Mills (Specialties), Erving, Mass.
Fisk Paper Co. (White & Manila), Hinsdale, N. H.
Flambeau Paper Co., Park Falls, Wis.
Flower City Tissue Mills Co., Rochester, N. Y.
Garrett Edwin & Son Co., Chester, Pa.
Greene Paper Co. (Pure Jute Manila), 5014 Market, Phila., Pa.
Hewitt C. B. & Bro., Inc., 20 Ferry, New York *See adv index at end of book*
Hoberg John Co., Green Bay, Wis.
Hoffman R. S. Co., Baldwinsville, N. Y.
Japanese Tissue Mills, Holyoke, Mass.
Kimberly-Clark Co., Neenah, Wis.
Lake Champlain Pulp & Paper Co., Plattsburg, N. Y.
Lawless Paper Co., Rochester, N. Y.
Le Fevre Edward Y., Fallsburgh, N. Y.
Little Falls Paper Co., Newburgh, N. Y.
McIntyre Bros. Paper Co., Inc., Fayetteville, N. Y.
Mumford Paper Mills, Inc. (Manila), Mumford, N. Y.
National Paper Products Co., 528 Battery, San Francisco, Cal.
See adv index at end of book
North End Paper Co., Fulton, N. Y.
Onondaga Paper Co., Marcellus Falls, N.Y.
Oregon Pulp & Paper Co., Northwestern Bk. bldg, Portland, Ore.
Orono Pulp & Paper Co., Bangor, Me.
Phoenix Toilet & Paper Mfg. Co., Phoenix, N. Y.
Pioneer Paper Co., Ballston Spa, N. Y.
Rainbow Paper Mills, Rainbow, Conn.
Ralston W. & Co., Inc. (Waxed), Niagara Falls, N. Y.
Robertson Bros. (Manila, White & Colored, in Rolls), Hinsdale, N. H.
Robertson E. C. & Son (Manila, White & Colored, in Rolls & Large Sheets), Hinsdale, N. H.
Robertson G. A. & Co. (Manila), Hinsdale, N. H.
Robertson Paper Co., Bellows Falls, Vt
Robertson's Wm. Sons (White & Colored), Putney, Vt.
Savage Mfg. Co., Skowhegan, Me.
Smith Paper Co. (Also Roll), Lee, Mass.
Sorg Paul A. Paper Co., Middletown, O.
Sweet Bros. Paper Mfg. Co., Phoenix, N. Y.
Thilmany Pulp & Paper Co., Wisconsin Tissue Div, Appleton, Wis.
UNION PAPER & TWINE CO., 128 St. Clair av, NW, Cleveland, O., and 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book
Union Waxed & Parchment Paper Co., 45 Cedar, New York
Victoria Mills Paper Co. (Also Roll), Fulton, N. Y.
Whittelsey F. H. Co. (White & Grass Bleached), Windsor Locks, Conn.

10720—Paper (Tissue, Manila)

A. P. W. Paper Co., 1273 Broadway, Albany, N. Y.
Adams A. L. Paper Co. (In Rolls for Toilet Paper, Baldwinsville, Mass.
Adams Paper Co., Wells River, Vt.
Ancran Paper Mills, 150 W 22d, New York
Ashuelot Paper Co., Hinsdale, N. Y.
Blossvale Paper Co., Blossvale, N. Y.
Carthage Tissue Paper Mills, Carthage, N. Y.
Cole W. A. Paper Co., Putney, Vt.
Continental Paper & Bag Mills, 1 Pershing sq, New York
Coy Paper Co., West Claremont, N. H.
Crescent Paper & Machine Co., Phoenix, N. Y.
Crystal Paper Co., Middletown, O.
Fisk Paper Co. (Inc.), Hinsdale, N. H.
Gandey W. H. (Est. of), Lambertville, N. J.
Garrett E. & Son Co., Chester, Pa.
Garrett E. T. Co., Lansdowne, Pa.
Hoberg John Co., Green Bay, Wis.
Hoffman R. S. Co. Baldwinsville, N. Y.
Ingersoll Paper Co., Troy, N. Y.
Jarvis Paper Mills, West Claremont, N. H.
Lawless Paper Co., Rochester, N. Y.
Little Falls Paper Co., Newburgh, N. Y.
Mason-Perkins Paper Co., Bristol, N. H.
Moyer & Pratt, Lyons Falls, N. Y.
Mumford Paper Mills, Inc., Mumford, N. Y.
North End Paper Co., Fulton, N. Y.
Northern Paper Mills, Green Bay, Wis.
Onondaga Paper Co., Marcellus Falls, N. Y.
Oswego River Paper Mills, Phoenix, N. Y.
Paper Converting Corp., Niagara Falls, N. Y.
Pequannock Valley Paper Co., Butler, N. J.
Robertson Bros., Hinsdale, N. H.
Robertson E. C. & Son, Hinsdale, N. H.
Robertson G. A. & Co., Hinsdale, N. H.
Robertson Paper Co., Bellows Falls, Vt.
Stevens & Thompson, North Hoosick, N. Y.
Sweet Bros. Paper Mfg. Co., Phoenix, N. Y.
Victoria Paper Mills Co., Fulton, N. Y.
Whittelsey F. H. Co., Windsor Locks, Conn.

10721—Paper (Tissue, Oiled)

Whittelsey F. H. Co., Windsor Locks, Conn.

10721a—*Paper (Tissue Stereotyping)

DRAKENFELD B. F. & CO., INC., 50 Murray, New York

10722—Paper (Tissue, White & Colored)

A. P. W. Paper Co., 1273 Broadway, Albany, N. Y.
Ancran Paper Mills, 150 W 22d, New York
Ashland Paper Co. (Colors), Ashland, Wis.
Ashuelot Paper Co. (White), Hinsdale, N. H.
Blossvale Paper Co., Blossvale, N. Y.
California-Oregon Paper Mills, E 55th & Alameda, Los Angeles, Cal.
Carthage Tissue Paper Mills, Carthage, N. Y.
Continental Paper & Bag Mills, 1 Pershing sq, New York
Crystal Paper Co., Middletown, O.
Dexter C. H. & Sons, Windsor Locks, Conn.
Fisk Paper Co. (Inc.), (White), Hinsdale, N. H.
Flower City Tissue Mills Co. (Light Weight), Rochester, N. Y.
French Process Cigarette Paper Mills, Inc., 220 5th av, New York
Hoberg John Co., Green Bay, Wis.
Hoffman R. S. Co. Nos. 1 & 2 (White) Baldwinsville, N. Y.
Japanese Tissue Mills, Holyoke, Mass.
Kimberly-Clark Co., Neenah, Wis.
Little Falls Paper Co., Newburgh, N. Y.
Moyer & Pratt (White), Lyons Falls, N. Y.
North End Paper Co. (Nos. 1 & 2 White), Fulton, N. Y.
Onondaga Paper Co. (White), Marcellus Falls, N. Y.
Pioneer Paper Co., Ballston Spa, N. Y.
Riverton Co., Riverton, Conn.
Robertson Bros. (Roll), Hinsdale, N. H.
Robertson E. C. & Son, Hinsdale, N. H.
Robertson's Wm. Sons, Putney, Vt.
Smith Paper Co., Lee, Mass.
Sweet Bros. Paper Mfg. Co., Phoenix, N. Y.
Three Rivers Paper Co. (No. 2 White), Phoenix, N. Y.
Tuttle Press Co., Appleton, Wis.
Victoria Paper Mills Co. (White, Sheets & Rolls), Fulton, N. Y.

10723— Paper (Tobacco)

International Paper Co., Pershing Square bldg, New York
Kimberly-Clark Co., Neenah, Wis.
Walsh Paper Co., Cuyahoga Falls, O.

10724— Paper (Toilet)

A. P. W. Paper Co. ("A. P. W.," "Bob White," "Cross Cut," "Fort Orange," "Onliwon," "Pure White"), 1273 B'way, Albany, N. Y.
Adams A. L. Paper Co., Baldwinsville, Mass.
Adams Paper Co., Wells River, Vt.
Ashuelot Paper Co. (Tissue in large rolls), Hinsdale, N. H.
Barth L. & Son (Dirs.), Cooper sq, New York
Carthage Tissue Paper Mills (Tissue), Carthage, N. Y.
Cole W. A. Paper Co. ("Eagle Mills"), Putney, Vt.
Continental Paper & Bag Mills, 1 Pershing sq, New York
Cremoline Distinfecting Co., 121 Main, St. Louis Mo.
Crescent Paper & Machine Co., Phoenix, N. Y.
Grunden Martin Mfg. Co., (Rolls, Packages), 2d & Gratiot, St. Louis, Mo.
Fisk Paper Co. (Package), Hinsdale, N. H.
Handifold Toilet Paper Co., Leominster, Mass.
Hoberg Jno. Co. (Roll & Package Tissue), Green Bay, Wis.
Hoffman R. S. Co. Baldwinsville, N. Y.
Ingersoll Paper Co., Troy, N. Y.
Jerome Paper Co., 314 W 53d, New Yorw
Johnson Geo. T. Co., 78 High, Boston, Mass.
Kimberly-Clark Co., Neenah, Wis.
Morgan Envelope Co., Harrison av, Springfield, Mass.
Mumford Paper Mills Inc., Mumford, N. Y.
National Paper Products Co. ("Tailtex," "Alpine," "Airedale," "Apartment," "No Waste"), 528 Battery, San Francisco, Cal.
See adv index at end of book
Northern Paper Mills (Tissue, Automatic Toilet Service, "Northern," Roll & Oval), Green Bay, Wis.
Oswego River Paper Mills (Package & Roll), Phoenix, N. Y.
Paper Novelty Co., Green Bay, Wis.
Peerless Mfg. Co., Norristown, Pa.
Phoenix Toilet & Paper Mfg. Co. (Tissue), Phoenix, N. Y.
Premier Paper Co., 260 W B'way, New York
Robertson G. A. & Co. (Rolls & Sheets), Hinsdale, N. H.
Sanitary Products Co., 2710 Lefevre, Phila., Pa.
Sauquoit Toilet Paper Co., New Hartford, N. Y.
Three Rivers Paper Co., Phoenix, N. Y.
Tuttle Press Co., Appleton, Wis.
UNION PAPER & TWINE CO. ("Maisa"), 128 St. Clair av N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book
United States Paper Mills, Chambersburg, Pa.
Vestal Chemical Co. ("No-Waste," Dirs.), 1128 Pine, St. Louis, Mo.
Victoria Paper Mills Co. (In Rolls & Packages), Fulton, N. Y.
Wortendyke Mfg. Co., Richmond, Va.

NO-WASTE
Toilet Tissue

A fine, soft, unglazed tissue, 4½x5. Is dispensed two sheets at a time from a patented nickel or enameled cabinet. Packed, ready for use, 1,000 sheets to the package.

TOILTEX
"Soft as Velvet"

A very high quality 10-lb. tissue. Most satisfactory for the home. Roll of 1,000 sheets.

National Paper Products Company
San Francisco, Stockton, Los Angeles, California
Carthage, N. Y. New York City

Paper (Tracing)

See Tracing Cloth & Paper

10724a—Paper (Trade Mark)

Acme Paper Co., 321 Greenwich, New York

10725— Paper (Train Order)

Whittlesey F. H. Co., Windsor Locks, Conn.

10727— Paper (Translucent)

Bardeen Paper Co., Otsego, Mich.
Riverview Coated Paper Co., Kalamazoo, Mich.
Winter, Martin, 216 W 18th, New York

10727a— Paper (Tumeric)

Cooper Chas. & Co., 194 Worth, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

10728— Paper (Typewriter)

See also Paper, Writing, Manufacturers
American Writing Paper Co., Holyoke, Mass.
Carew Mfg. Co., South Hadley Falls, Mass.
Dexter C. H. & Sons (Thin), Windsor Locks, Conn.
Diamond Mills Paper Co., 53 Park pl, New York
Eaton, Crane & Pike Co. ("Crane," "Berkshire"), Pittsfield, Mass.
Esleeck Mfg. Co., Turners Falls, Mass.
Fox River Paper Co., Appleton, Wis.
Hampshire Paper Co. ("Old Hampshire Bond"), So. Hadley Falls, Mass.
Kimberly-Clark Co., Neenah, Wis.
Mumford Paper Mills, Inc. Mumford, N. Y.
Remington Typewriter Co., 374H B'way, New York
Smith Paper Co., Lee, Mass.
Strathmore Paper Co., Mittineague, Mass.
Southworth Co., Mittineauge, Mass.
UNION PAPER & TWINE CO., 128 St. Clair av NW, Cleveland, O., and 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book
White & Wyckoff Mfg. Co., Holyoke, Mass.
Whittelsey F. H. Co., Windsor Locks, Conn.

10729—Paper (Water Proof)

Angier Corp. (("Innerstrung" & "Innercoat"), Dept. H, Framingham, Mass.
Brown Co. ("Wax & Kraft"), Portland, Me.
Case & Marshall, Burnside, Hartford, Conn.
Certain-teed Products Corp., Boatman's Bank bldg, St. Louis, Mo.
Cleveland Waterproof Paper Co., Cleveland, O.
Federal Asbestos Co., Milwaukee, Wis.
Flinkote Co. ("Rex" Black), 88 Pearl, Boston, Mass.
Hampden Glazed Paper & Card Co. (Coated & Embossed), Holyoke, Mass.
Hewitt C. B. & Bro., Inc., 20 Ferry, New York *See adv index at end of book*
Hollingsworth & Whitney Co. ("Dux de Lux"), 185 Devonshire, Boston, Mass.
Hydrex Asphalt Products Corp. ("Hydrex Novento" Sheathing), 120 Liberty, New York
Keystone Roofing Mfg. Co. (For Case Lining & Wrapping), York, Pa.
Kimberly-Clark Co., Neenah, Wis.

(Continued on following page)

Paper (Water Proof)—Continued

Lehon Co. ("Mule Hide," "Black Bear," "Seal Skin," "Nubian," "Lehons"), 4451 S Oakley av, Chicago, Ill.
See adv index at end of book
National Waterproofing Co., Drexel bldg, Phila., Pa.
Nekoosa-Edwards Paper Co., Port Edwards, Wis.
Ralston W. & Co., Inc. ("Drypack" Duplex, Cloth Lined), Niagara Falls, N.Y.
Safepack Mills ("Safepack"), 727 Atlantic av, Boston, Mass.
UNION PAPER & TWINE CO., 128 St. Clair av NW, Cleveland, O., and 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book
Waterproof Paper & Board Co., 427 E 6th, Cincinnati, Ohio
Watson H. F. Co., Erie, Pa.

10730—Paper (Waxed or Paraffine)

Bennington Wax Paper Co., Bennington, Vt.
California-Oregon Paper Mills, E 55th & Alameda, Los Angeles, Cal.
Cleveland Waterproof Paper Co., Cleveland, O.
Dragon Paper Mfg. Co., 484 Van Alst av, Long Island City, N. Y.
Hoffman R. S. Co., Baldwinsville, N. Y.
Hollingsworth & Whitney Co., 185 Devonshire, Boston, Mass.
Japanese Tissue Mills, Holyoke, Mass.
Kalamazoo Vegetable Parchment Co., Kalamazoo, Mich.
McDowell Paper Mills (Waxed) Main & Levering, Phila., Pa.
Menasha Printing & Carton Co., Menasha, Wis.
National Waterproofing Co., Drexel bldg, Phila., Pa.
National Wax & Paper Mfg. Co., 203 37th, Brooklyn, N. Y.
Newark Paraffine & Parchment Paper Co., 90 West, New York
Ohio Wax Paper & Printing Co., Columbus, O.
Orono Pulp & Paper Co., Bangor, Me.
Pioneer Paper Co., 247 S Los Angeles, Los Angeles, Cal.
Ralston W. & Co., Inc. (Waxed), Niagara Falls, N. Y.
Robertson Paper Co., Bellows Falls, Vt.
Seaman Paper Co., 410 N Michigan, Chicago, Ill.
Sterling Waxed Paper Mfg. Co., 245 South, Newark, N. J.
Union Bag & Paper Corp., 253 Broadway, New York
UNION PAPER & TWINE CO., 128 St. Clair av NW, Cleveland, O., and 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book
Union Waxed & Parchment Paper Co., Hamburg, N. J.
Waterproof Paper & Board Co., 427 E 6th, Cincinnati, O.
West Carrollton Parchment Co. ("Puritan" Printed & Plain), West Carrollton, Ohio
Wolverine Paper Co., Otsego, Mich.

10731— Paper Weights

Canton Glass Co., Marion, Ind.
Cruver Mfg. Co. (Glass), 2456 W Jackson blvd, Chicago, Ill.
Dean & Williams Co. ("Nestor"), 4317 Elston av, Chicago, Ill.
Smith L. E. Glass Co., Mt. Pleasant, Pa.
Sneath Glass Co., Hartford City, Ind.
Torsion Balance Co., 92 Reade, New York

10732—Paper (White Print)

A. P. W. Paper Co., 1273 Broadway, Albany, N. Y.
Andrews Bros. Paper Co., Penn Yan, N. Y.
Chatfield & Woods Co., 3d & Plum, Cincinnati, O.
International Paper Co., Pershing Square bldg, New York
Kimberly-Clark Co., Neenah, Wis.
Nekoosa-Edwards Paper Co., Port Edwards, Wis.

10733— Paper (Wrapping)

American Straw Board Co., B'way & 42d, New York
American Writing Paper Co., Holyoke, Mass.
Andrews John T. & Co., Penn Yan, N. Y.
Angier Corp. (Waterproof Cloth Lined, "Ripplekraft," Creped & "Keep Dry," String Inserted, Duplex & Tire), Framingham, Mass.
Angier Mills (Waterproof Cloth Lined), Ashland, Mass.
Ashland Paper Co. (Fruit), Ashland, Wis.
Bardeen Paper Co. (Rag), Otsego, Mich.
Barnes Paper Mills, Rochester, Mich.
Bedford Pulp & Paper Co., Richmond, Va.
Bicking S. Austin Mfg. Co., East Downington, Pa.
Bird & Son (Hardware), East Walpole, Mass.
Brown Co., Portland, Me.
Carolina Fibre Co. (Colored), Hartsville, S. C.
Chatfield & Woods Co., 3d & Plum, Cincinnati, O.
Chemical Paper Mfg. Co., Holyoke, Mass.
Continental Paper & Bag Mills (Manila, Fibre & Coated), 1 Pershing sq, New York
Crown Willamette Paper Co., San Francisco, Cal.
Cushnoc Paper Co., Augusta, Me.
Detroit Sulphite Pulp & Paper Co., 2607 W Jefferson, Detroit, Mich.
Dexter Sulphite Pulp & Paper Co., Dexter, N. Y.
Earl M. J., Reading, Pa.
Fox Paper Co., Lockland, O.
Hawley Pulp & Paper Co., Oregon City, Ore.
Hewitt C. B. & Bro., Inc., 20 Ferry, New York *See adv index at end of book*
Hollingsworth & Whitney Co., 185 Devonshire, Boston, Mass.
Humphrey & Young (Light & Heavy Bogus), Napanoch, N. Y.
International Paper Co., 30 Broad, New York
KEYSTONE ROOFING MFG. CO. (For Case Lining & Wrapping, Tire Wrapping), York, Pa.
Kimberly-Clark Co., Neenah, Wis.
La Salle Paper Co., South Bend, Ind.
Lockport Paper Co., Lockport, N. Y.
Los Angeles Paper Mfg. Co., Los Angeles, Cal.
McDowell Paper Mills, Main & Levering, Philadelphia, Pa.
Marathon Paper Mills Co. (Fibre), Rothschild, Wis.
Marcellus Paper Co., Syracuse, N. Y.
Moore & Thompson Paper Co., Bellows Falls, Vt.
Moorhouse R. T. Paper Co., 2655H Bridge, Bridesburg, Phila., Pa.
Minneapolis Paper Co., 4th av S & 5th, Minneapolis, Minn.
Nekoosa-Edwards Paper Co., Port Edwards, Wis.
Newton Paper Co. ("Elephant," "Tiger," "National" & "Seal" Manila Duplex), Holyoke, Mass.
Niagara Paper Mills (Watermarked), Lockport, N. Y.
Niles Board & Paper Co., Niles, Mich.
Oregon Pulp & Paper Co., Northwestern Bank bldg, Portland, Ore.
Orono Pulp & Paper Co., Bangor, Me.
Oxford Paper Co., 200 5th av, New York
Pejepscot Paper Co., 42 B'way, New York
Raquette River Paper Co. (Manila & Fibre), Potsdam, N. Y.
Ravenswood Paper Mill Co., Ravenswood, L. I., N. Y.
Richmond Robt. P., Valatie, N. Y.
Roberts John & Son Co., Waltham, Mass.
Robertson Paper Co., Montville, Conn.
Robertson's Wm. Sons (Tissue, for Fruit & Bottles), Putney, Vt.
Safepack Mills, 727 Atlantic av Boston, Mass.
Schmidt & Ault Paper Co., York, Pa.
Seaman Paper Co., 410 N Michigan, Chicago, Ill.
Smith Paper Co., Lee, Mass.
Tarentum Paper Mills, 2d National Bank bldg, Pittsburgh, Pa.
Thilmany Pulp & Paper Co., Kaukauna, Wis.
Tuttle Press Co. (Soap), Appleton, Wis.
Union Bag & Paper Corp., 233 B'way, New York.
UNION BAG & PAPER CORP. (Kraft & Sulphite), 233 Broadway, New York
UNION PAPER & TWINE CO., 128 St. Clair av, N W, Cleveland, O., and 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book
Van de Carr Paper Co. (Bogus), Stockport, N. Y.
Wall J. F. & Son, Walpole, Mass.
Walton D. S. & Co. ("Swedish Kraft"), 132 Franklin, New York
Waterproof Paper & Board Co., 427 E 6th, Cincinnati, Ohio
Whitaker Paper Co., Eggleston av, 6th & Lock, Cincinnati, O.
Wolf River Paper & Fiber Co., Shawano, Wis.
Wortendyke Mfg. Co., Richmond, Va.
Yellow Pine Paper Mill Co. (Soda Fibre), Orange, Tex.
York Haven Paper Co., Land Title bldg., Phila., Pa.

10734—Paper (Wrapping, in Rolls)

Boydell Bros. White Lead & Color Co. (Oil), 432 E Lafayette, Detroit, Mich.
Brown Co., Portland, Me.
Chatfield & Woods Co., 3rd & Plum, Cincinnati, O.
Fox Paper Co., Lockland, O.
HEWITT C. B. & BROS. INC. (Jobbers), 20 Ferry, New York
See adv index at end of book
Hollingsworth & Whitney Co., 185 Devonshire, Boston, Mass.
International Paper Co., Pershing Square bldg, New York
Nekoosa-Edwards Paper Co., Port Edwards, Wis.
Perry Chas. E. Co., 77 Washington, N, Boston, Mass.
Seaman Paper Co., 410 N Michigan, Chicago, Ill.
UNION BAG & PAPER CORP. (Kraft & Sulphite), 233 Broadway, New York
UNION PAPER & TWINE CO., 128 St. Clair av, NW, Cleveland, O., and 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book

10735—Paper (Wrapping, Rag)

Bardeen Paper Co., Otsego, Mich.
Brown Paper Co., Ft. Madison, Ia.
Clinton Paper Co., Clinton, Ia.
Fairfield Paper Co., Baltimore, O.
Fox Paper Co., Lockland, O.
Hewitt C. B. & Bro., Inc., 20 Ferry, New York *See adv index at end of book*
Kieffer Paper Mills (Not Inc.), Brownstown, Ind.
Marseilles Wrapping Paper Co., Marseilles, Ill.
Mitchell & Son Co. (Wholesale), Palmyra, Mich.
Mitchell & Son Co., Palmyra, Mich.
Monroe Paper Co., Monroe, Mich.
Munroe Falls Paper Co., Massillon, O.
Richardson Paper Co., Wyoming & Cooper avs, Lockland, O.
Schmidt & Ault Paper Co., York, Pa.
Terre Haute Paper Co., Terre Haute, Ind.
Van de Carr Paper Co., Stockport, N. Y.

10736—Paper (Wrapping, Straw)

American Straw Board Co., B'way & 42d, New York
Brown Paper Co., Fort Madison, Ia.
Carlyle Paper Co., Caryle, Ill.
Clinton Paper Co., Clinton Ia.
Fox Wm. H. & Sons, Penn Yan, N. Y.
Hagar Straw Board & Paper Co., Xenia, O.
Massillon Paper Co., Massillon, O.
Monroe Paper Co., Monroe, Mich.
Munroe Falls Paper Co., Massillon, O.
Richmond Robert P., Valatie, N. Y.
Rockford Paper Mills, Rockford, Ill.
Terre Haute Paper Co., Terre Haute, Ind.
Van de Carr Paper Co., Stockport, N. Y.

10736a—Paper (Wrapping, Tire or Wire)

Union Paper & Twine Co., 128 St. Clair av, N W Cleveland, O., and 528 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book

10737— Paper (Writing)

See also Paper, Railroad Manila & Writing
American Papeterie Co., Albany, N. Y.
American Writing Paper Co., Holyoke, Mass.
Angel H. Reeve & Co., Inc. (Selling Agents), 7 Spruce, New York.
Bardeen Paper Co., Otsego, Mich.
Beckett Paper Co., Hamilton, O.
Bryant Paper Co., Kalamazoo, Mich.
California-Oregon Paper Mills (Tissue, Fruit Wrappers & Waxing Papers), E 55th & Alameda, Los Angeles, Calif.
Carew Mfg. Co., South Hadley Falls, Mass.
Champion Coated Paper Co., Hamilton, Ohio
Chapin & Gould Paper Co., Springfield, Mass.
Chemical Paper Mfg. Co., Holyoke, Mass
Collins Mfg. Co., N Wilbraham, Mass.
Columbian Paper Co., Buena Vista, Va.
Crane Bros., Westfield, Mass.
Crane Z. & W. M., Dalton, Mass.
Crane & Co., Dalton, Mass.
Crocker, Burbank & Co., Fitchburg, Mass.
Crocker-McElwain Co., Holyoke, Mass.
Curtis & Bro., Newark, Del.
Cushnoc Paper Co., Augusta, Me.
Dill & Collins Co., 112 N 12th, Phila., Pa.
East Hartford Mfg. Co., Burnside, Conn.
Eastern Mfg. Co. (Linen Finished), Bangor, Me.
Eaton, Crane & Pike Co., Pittsfield, Mass.
Essex Pad & Paper Co., Holyoke, Mass.
Everett Pulp & Paper Co., Everett, Wash.
Fox River Paper Co., Appleton, Wis.
Gilbert Paper Co., Menasha, Wis.
Glatfelter P. H. Co., Spring Grove, Pa.
Hamilton W. C. & Sons, William Penn Pa.
Hammermill Paper Co., Erie, Pa.
Hewitt C. B. & Bro., Inc., 20 Ferry, New York *See adv index at end of book*
Hollingsworth & Whitney Co., 185 Devonshire, Boston, Mass.
Howard Paper Co., Urbana, O.
Hurd Geo. B., 425 Broome, New York
International Paper Co., Pershing Square bldg, New York
Kalamazoo Paper Co., Kalamazoo, Mich.
Keith Paper Co., Turners Falls, Mass.
Kimberly-Clark Co., Neenah, Wis.
King Paper Co., Kalamazoo, Mich.
Lee Paper Co., Vicksburg, Mich.
Mead Pulp & Paper Co., Dayton, O.
Merrimac Paper Co., Lawrence, Mass.
Nashua River Paper Co., Pepperell, Mass.
N. Y. & Pennsylvania Co.,, 200 5th av, New York
Oglesby W. B. Paper Co. ("Antique Club"), Middletown, O.
Old Berkshire Mills Co., Dalton, Mass.
Peninsular Paper Co., Ypsilanti, Mich.
Poland Paper Co., Mechanic Falls, Me.
Powers Paper Co., Springfield, Mass.
Seaman Paper Co., 410 N Michigan, Chicago, Ill.
Taylor-Atkins Paper Co., Burnside, Conn.
UNION PAPER & TWINE CO., 128 St. Clair av, NW, Cleveland, O., and 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book
Ward Marcus, Inc., Pearson & Creek, Long Island City, N. Y.
Watervliet Paper Co., Watervliet, Mich.

Whiting George A. Paper Co., Menasha, Wis.
Whiting Paper Co., Holyoke, Mass.
Whiting-Plover Paper Co., Stevens Point, Wis.
Winter, Martin, 216 W 18th, New York

10738— Paper & Pulp Mills

Star (*) Indicates Wood Pulp Mills
If the Main Office is not located at the Mill, the location of same follows after the Name

ALABAMA.

CRICHTON—Gulf Paper Mills Co.

CALIFORNIA.

LOS ANGELES—California-Oregon Paper Mills (Tissue Fruit Wrappers, & Waxing Papers) E 55th and Alameda
Los Angeles Paper Mfg. Co. (Sheathing, Deadening Felts & Wrapping), 1633H San Pablo
Paraffine Cos., Inc. (Southern Board Mills), (Boxboard, Bogus Pistols, Grained Board & Sheathing), Verner & Santa Fe av
SAN FRANCISCO—*Alaska Pulp & Paper Co., 110 Sutter
Crown Willamette Paper Co. (Manila, News, Express, Bag, Fruit, Kraft, Wrapping & Tissue, also Ground Wood, Sulphite & Kraft Fibres), Mills, West Linn & Lebanon, Ore., & Camas, Wash.
Mission Paper Board Mill (Heavy Card, Chip & Binder Board), 3074 17th
Paraffin Co.'s, Inc. (Straw Board Tag Mills), 475 Brannan

CONNECTICUT.

ANDOVER—Case Board Co. (Leather Board & Specialties)
BRIDGEPORT—Tait & Sons Paper Co. (Box Board), 1591 Railroad av
BURNSIDE — Case & Marshall. Office: Hartford, Conn.
East Hartford Mfg. Co. (Bonds, Linens, Parchment, Folding, Writing, etc)
Taylor-Atkins Paper Co. (Bonds, Linens, Vellums & Writing)
DANBURY—Beaver Brook Paper Mills (Mill Wrappers, etc.)
EAST HAMPTON—Brown Howerd Curtis (Estate) (Card Middles, Coating & Lithograph Papers)
GLASTONBURY—Naubuc Paper Co. (Box Cloth, Button, Leather, Mill, Trunk & Wrapping Boards)
Riverside Paper Mfg. Co. (Binders Board, etc)
HARTFORD — Case & Marshall (Rope, Board, Water Proof, Papers, etc), Mills: Burnside, Conn.
HIGHLAND PARK—Case Bros. (Press Board, Jacquard Cards, Insulating Board, etc)
HOP RIVER—Tolland Leather Board Co. (Leather Boards & Specialties)
MANCHESTER—American Writing Paper Co. (Writing Specialties in Paper, Fine Book, Cover & Plate Papers). Office: Holyoke, Mass.
Case A. Willard Co. (Imitation Press & Decorated Boards & Cover Papers, Poster & Mat Boards & Specialties)
Colonial Board Co. (Binders Board)
Foulds Wm. Co. (Button, Straw, Binders & Leather Board)
Lydall & Foulds Paper Co. (Chipped Plain & Mill Lined Straw Board)
MONTVILLE—Fort Griswold Paper Co.
Keyes Products Co. (Refined Wood), Office: New York
Montville Paper Co. (News Boards, Bogus & Manila Paper)
Robertson Paper Co., (Bogus Wrapping, Anti-Tarnish, Folding Box Boards, etc.)
Thames River Specialties Co. (Card Middles, Lithographing, Carton, etc)
NEW HAVEN—Parker Jos. & Son Co. (Blotting), Whalley av.
NORTH WESTCHESTER—Norton C. H. (Binders, Box Shoe & Trunk Board)
NORWICH—American Straw Board Co. (Box Board & Card Middles)
ONECO—Case & Risley Press Paper Co. (Rag Press Papers in All Colors & Hand Finished Boards)
POQUONOCK—Hartford Paper Co. (Book, Catalogue, French Folio & Colored Papers). Office: Hartford, Conn.
RAINBOW—Rainbow Paper Mills (Richard R. Vernon, Prop.) (R. R., Impression Paper, Tissue & Copying)
RIVERTON—Riverton Co. (Yellow Railroad Copying & Oil Tissue)
SCITICO—Stowe J. D. & Sons (Leather Boards)
SEYMOUR—Beach S. Y. Paper Co. (Colored Specialties)
SOUTH COVENTRY—South Coventry Paper Co. (Binders', Box & Leather Boards)
SOUTHFORD — Diamond Match Co. (Binders' Straw, Album & Manila Board). Office: Chicago, Ill.
SOUTH MANCHESTER—Brookside Paper Co. (Binders, Album & Trunk Board)
Case Bros. (Press Board, Jacquard Cards, Insulating Boards, etc)
Rogers Paper Mfg. Co. (Press, Insulating, Jacquard, Shield & Leather Boards)
UNCASVILLE—Thames River Specialties Co. (Folding Box Boards, Card Middles, Coated Boards, etc)
UNIONVILLE—Case Mfg. Co. (Colored, Hardware, Manila, Pattern & Rope)
VERSAILLES—Federal Paper Board Co., Inc. (Box Boards, Cracker Shell, Container Board & Specialties)
WESTPORT—Westport Paper Co. (Binders, Leather, Trunk & Box Board)
WESTVILLE — Parker Jos. & Son Co. (Blotting)
WINDSOR—Merwin Paper Co. (Insulating, Press & Shield Boards)
WINDSOR LOCKS—American Writing Paper Co. (Boards & Manila, Rope & Jute Manilas). Office: Holyoke, Mass.
Dexter C. H. & Sons (Cover Papers, Tissues & Specialties, Manifold Linen Typewriter, Grass-Bleached Silver Tissues, White & Colored Tissues, Copying, Bristols)
Whitteisey F. H. Co. (Yellow Way Bill, Manila, White & Parchment Copying, White & Colored Tissue, Manifold, Grass-Bleached, Typewriter, Anti-Tarnished, Oiled Tissue & Boards & Train Orders, etc.).

DELAWARE.

MARSHALLTON—Delaware Hard Fibre Co. (Rag Specialties). Office: Wilmington, Del.
See adv index at end of book
NEWARK—Curtis & Bro. (Rag Book, Envelope, Specialties & Writings)
WILMINGTON—*Jessup & Moore Paper Co. (Book, Paper & Soda Fibre). Office: Phila., Pa.
WOODDALE—Marshall & Mitchell (Special Paper for Making Vulcanized Fibre for Electrical & Mechanical Purposes)
YORKLYN—Marshall Bros. (Rag Papers for Vulcanized Fibre & Rag Specialties)

DISTRICT OF COLUMBIA.

WASHINGTON—District of Columbia Paper Mfg. Co., 3255 K, N. W.

GEORGIA.

GORDON—Pynetree Paper Co. (See New York City)

ILLINOIS.

ALTON—Alton Box Board & Paper Co. (Straw Box Board & Plain Chip Board), Dept. H.
Carlyle Paper Co.
ANDERSON—Patent Vulcanite Roofing Co. (Felt)
AURORA—Monroe Binder Board Co. (Fibre)
CARLYLE—Carlyle Paper Co. (Straw Wrapping, Carpet, Building & Deadening Felts)
CHICAGO—American Straw Board Co. (Straw Board, Mill Lined; Chip Paper Stock, News, Combination Board), 111 W Washington
Am. Tar Products Co., 203 S La Salle
Cornell Wood Products Co., 190 N State
Ford Roofing Products Co. (Boards, Express, Carpet Linings, Deadening Felts), 2339 S La Salle
Gair, Robert Co. (Chicago Coated Board Div.), 420 E North Water
Lewis F. J. Mfg. Co., 2513 Robey
Seaman Paper Co., 410 N Michigan
DECATUR—E. Z. Opener Bag Co.
MARSEILLES — Certain-teed Products Corp. (Building)
Crescent Paper Co. (Straw & Chip Board, Egg Case Fillers & Box Board, Manila Lined & Plain)
Marseilles Wrapping Paper Co. (Rope Papers, Glazed Express, Rag & Bag Papers)
MOLINE—Lewis F. J. Mfg. Co. (Roofing Felts)
MORRIS—Morris Paper Mill Co.
MOUNT CARMEL—United Paper Board Co. (Straw Board). Office: New York City
PEORIA—Barrett Co. (Roofing Felt) Office: New York City
Bemis Bro. Bag Co.
QUINCY—American Straw Board Co. Office: Chicago, Ill.
Weis Paper Mill Co.
ROCK FALLS—Central Box Board Co. Straw, Express, Ham & Rag Wrapping). Office: Chicago, Ill.
ROCKFORD—Rockford Paper Box Board Co. (Straw, Chip, Jute & Combination Boards)
Rockford Paper Mills (Straw Board & Straw Wrapping)
TAYLORVILLE—E-Z Opener Bag Co. (Bag, Express & Manila)
VANDALIA—Ford Mfg. Co. (Roofing & Deadening Felt, Bottle Wrapper & Carpet Lining). Office: Chicago, Ill.
WILMINGTON—American Straw Board Co. (Chip, Paper Stock, News & Combination Boards)

INDIANA.

ALBANY—Hart T. F. Paper Co.
ALEXANDRIA—Alexandria Paper Co. (Machine Finished Book & News)
ANDERSON—Patent Vulcanite Roofing Co. (Felt)
BROWNSTOWN—Kieffer Paper Mills (Not Inc.), (Rag, Lining, Corrugated Carpet & Packing Paper & Non-Absorbent Ham)
CARTHAGE—Carthage Board & Paper Co. (Binders' Board)
DELPHI—Delphi Straw Board Co.
EATON—Fort Wayne Corrugated Paper Co.
ELKHART—Wheat Paper Co.
EVANSVILLE—Funke Ferdinand Sons (Heavy Cloth Mill Wrapper Absorbent & Common Ham Wrapper & Feather Edge Fibre Work), 1742 W Franklin
FORT WAYNE—Fort Wayne Corrugated Paper Co.
HARTFORD CITY—Hartford City Paper Co. (Glassine, Greaseproof, Manifold, Embossed Parchmyn & Onion Skin Paper)
INDIANAPOLIS—Beveridge Paper Co. (White & Combination Boards, Bristols, Blanks & Silk Wrappers), 717 W Washington
KOKOMO—Mid-West Box Co.
LAFAYETTE—Lafayette Box Board & Paper Co. (Straw Board, Plain & Mill Lined Sheet)
MOUNT VERNON—Mount Vernon Straw Board Co. (Plain & Lined Straw Board)
MUNCIE—Hinde & Dauch Paper Co. (Chip & Jute Board). Office: Sandusky, O.
NOBLESVILLE—American Straw Board Co. Office: Akron, Ohio
PORTER—Sall Mountain Co. (Asbestos Paper & Boards, etc). Office: Chicago, Ill.
ROCKPORT—United Paper Board Co. (See New York City)
SOUTH BEND—La Salle Paper Co. (Express, Wrapping & Specialties)
TERRE HAUTE—Terre Haute Paper Co. Corrugating, Tube & Egg Case Boards, Straw and Rag Wrapping), Office: Dayton, O.
VINCENNES — Fort Wayne Corrugated Paper Co.
Indiana Board & Filler Co. (Plain & Mill Lined Straw Board)
WABASH—United Paper Board Co. (Straw Board, Doubled Straw & Paper Stock Boards, Chip, Paper, Stock, News & Combination Boards & Coated Box Boards). Office: New York City

IOWA.

CLINTON—Clinton Paper Co. (Straw & Rag Wrapping)
Ford Roofing Products Co. (Building Sheathing)
FORT MADISON—Brown Paper Co. (Straw & Rag Wrapping)
TAMA—Cherry J. G. Co. (Egg Case Fillers)

KANSAS.

HUTCHINSON—Hutchinson Box Board & Paper Co.
LAWRENCE—Lawrence Paper Mfg. Co. (Straw Wrapping, Board & Corrugated Packing)

LOUISIANA.

BOGALUSA—Great Southern Lumber Co (Fibre Board)
Louisiana Fibre Board Co.
BRAITHWAITE—E. Z. Opener Bag Co.

MAINE.

AUGUSTA—*Cushnoc Paper Co. (Envelope, Manila, Bag & Sack, Manila Wrapping, Yellow Writing, Laid & Wove, White Sulphite Papers, etc)
BANGOR—Eastern Mfg. Co. (Loft & Machine Dried Ledger Linen & Writing, Bond & Envelope, etc)
*Orono Pulp & Paper Co. (Bag, Coating, Manila, Envelope, Sulphite Fibre). Mills: Orono, Me.
BELFAST—Sherman & Co. (Leather Board)
BRUNSWICK—Pejepscot Paper Co. (News, Cover & Wrapping)
CHISHOLM—*International Paper Co., Office, New York City
CUMBERLAND MILLS—*Warren S. D. Co. (Book & Coated Paper & Soda Fibre), Office: Boston, Mass.
EAST MILLINOCKET—Great Northern Paper Co. (Ground Wood)
FAIRFIELD—United Paper Board Co. (Ground Wood), Office: New York City
GARDINER—*Hollingsworth & Whitney Co. (Manila, Writing & Railroad Manila & Ticket, Parchment, Waxed Manilas, Linings & Packers), Office: Boston, Mass.
Warren S. D. Co. (Copsecook Mill) Machine-Finished & Super-Calendered Book), Office: Boston, Mass.

(Continued on following page)

Paper & Pulp Mills—Continued

MAINE—Continued

GREAT WORKS—*Penobscot Chemical Fibre Co. (Soda Fibre), Office: Boston, Mass.

HOWLAND—*Howland Pulp & Paper Corp. (Sulphite Fibre)

LISBON FALLS—Pejepscot Paper Co. (Sulphite Fibre)

LIVERMORE FALLS — *International Paper Co. (Pulp Boards & Mill Wrappers & Ground Wood), Office: New York City

MADISON—*Great Northern Paper Co. (News & Manila Paper & Sulphite Fibre & Ground Wood), Office: New York City
Hollinsworth & Whitney Co.

MECHANIC FALLS—Poland Paper Co. (Book Writing & Lithograph)

MILLINOCKET—*Great Northern Paper Co. (News, also Ground Wood), Office: New York City

NEWHALL—*du Pont E. I. de Nemours Powder Co. (Ground Wood Flour), Office: Wilmington, Del.

OLDTOWN — *Nekonegan Paper Co. (Ground Wood)

ORONO—*International Paper Co. (News, also Ground Wood), Office: New York City
*Orono Pulp & Paper Co. (Bag, Coating, Manila & Envelope, also Sulphite Fibre), Office: Bangor, Me.

PORTLAND—Brown Co. (Bond, Kraft Wrapping, Sulphite Pulp, Sheathing, Carpet Lining, Mill Wrappers, Bleached & Unbleached, Sulphite Fibre, etc)

RILEY—*International Paper Co. (Ground Wood), Office: New York City.

RUMFORD — International Paper Co., (News, Manila, Bag, also Ground Wood & Sulphite Fibre), Office: New York City
*Oxford Paper Co., Office: New York City

SKOWHEGAN — *Riverside Pulp Co. (Ground Wood)
Savage Mfg. Co.
*Skowhegan Pulp Co. (Ground Wood)

SOLON—International Paper Co. (Ground Wood), Office: New York City

SOUTH BREWER—*Eastern Mfg. Co. (Bond, Ledger, Writing, Envelope; also Bleached Sulphite Fibre), Office, Bangor, Me.

SOUTH WINDHAM—*Androscoggin Pulp Co. (Wood Pulp Board, also Ground Wood), Office: Boston, Mass.

STEEP FALLS—Androscoggin Pulp Co., Office: Boston, Mass.

WEST ENFIELD—International Paper Co., Office, New York City

WINSLOW—*Hollingsworth & Whitney Co. (Manila Fibre & Waxed Manilas, Linings & Packers, Railroad Manila & Ticket, also Sulphite Fibre & Ground Wood), Office: Boston, Mass.

WOODLAND (Washington County)—*St. Croix Paper Co. (News, also Sulphite Fibre & Ground Wood), Office: Boston, Mass.

MARYLAND.

BALTIMORE — Chesapeake Paperboard Co., Woodall & Claggett

CHESTERTOWN — American Strawboard Co. (Straw Board, Plain, Mill Lined & Sheet Lined). Office: Chicago, Ill.

CHILDS—Marley Paper Mfg. Co.

HAGERSTOWN — Antietam Paper Co. Machine Finished & Super-Calendered Book)

LUKE—West Virginia Pulp & Paper Co. (Calender, Blankbook, Label, Writing, etc.), Office: N. Y. C.

WHITE HALL—Fibre Fabric Co.

MASSACHUSETTS.

ADAMS—Berkshire Hills Paper Co.
Brown L. L. Paper Co. (Linen Ledger & Record, All Linen, Bond, Bank Note, Parchment, etc.)

BALDWINSVILLE—Adams A. L. Paper Co. (Tissue)

BANCROFT—Union Mill (Office: Bulkley, Dunton & Co., 75 Duane, New York City)

BOSTON—Androscoggin Pulp Co., 50 State. Mills: South Windham & Steep Falls, Me.
Groton Leatherboard Co. (Heating & Counter Boards), 16 State, Mills: W. Groton, Mass.
Herkimer Fibre Co., 183 Essex. Mills: Herkimer, N. Y.
Hollingsworth & Vose Co. (Red Rope Roofing & Insulating; All & Part Rope Tag, Pattern Box Stay, Flour & Cement Sack & Specialties), 333 Washington
*Hollingsworth & Whitney Co. (Manila Writing & Railroad Manila & Ticket Parchment, Waxed Manilas, Lining & Packers, Manila Fibre, Sulphite Fibre & Ground Wood), 185 Devonshire, Mills: Gardiner, Me., & Winslow, Me.
Monadnock Paper Mills, 201 Devonshire
Munroe Felt & Paper Co. (Roofing Carpet Lining & Ingrain Hanging), 79 Summer, Mills: Lawrence, Mass.
Penobscot Chemical Fibre Co. (Soda Fibre), 211 Congress. Mills: Great-Works, Me.
*St. Croix Paper Co. (News, Sulphite Fibre & Ground Wood), 244 Washington. Mills: Woodland, Me.
Tileston & Hollingsworth Co. (Book, Lithograph, Card & Plate), 49 Federal, Mills: Hyde Park, Mass.
*Warren S. D. Co. Inc. (Book & Coated Paper, Soda Fibre, Machine Finished & Super-Calendered Book), 101 Milk. Mills: Cumberland Mills, Me., & Gardiner, Me.
Wheelwright Geo. W. Paper Co. (Coating & Book, Bristol Boards, White & Tinted Blanks, Music, etc), 70 Franklin. Mills: Fitchburg, Mass.; North Leominster, Mass., & Wheelwright, Mass.

BRIDGEWATER—Jenkins Geo. O. Co. (Leather & Heeling Boards) Office, Whitman, Mass.

DALTON—Crane Z. & W. M. (Extra Fine Writing)
Crane & Co. (Bank Note, Parchment & Bond)
Old Berkshire Mills Co. (Z. & W. Murray Crane, Props.) (Superfine Writings & Bristol Board)
Weston Byron Co. (Linen Ledger & Record)

EAST PEPPERELL—See Pepperell

EAST WALPOLE—Bird & Son ("Neponset" Roofing, Building, Sheathing, Hardware, Wrapping, Insulating & Special Waterproof Papers)
Hollingsworth & Vose Co. Office: Boston, Mass.

ERVING—Erving Paper Mills (Tissue Paper, Second Sheets, etc.)

FITCHBURG—Crocker, Burbank & Co. (Inc.), (Book, Bristol Board, Card, Blotting & Writing)
Fitchburg Paper Co. (Card, Coating, Book & No. 1 Hanging)

HAVERHILL—Haverhill Box Board Co. (Box Boards)

HOLYOKE—Advertisers Paper Mill (Covers, Texts & Vellum)
American Writing Paper Co. (Book, Envelope, Writing, Wedding, Calender Backs, High Plate Finish, Bond, Linen & Ledger, Government Bond & Record Ledger, Colored, Drawing & Mimeograph, White & Colored Bristols, Box Cover, Photo Mounts, Hard Fibre, Filter, Stained & Specialties.)
Chemical Paper Mfg. Co. (Tub-Sized Writing, Envelope, Papeterie, Bonds, Linens, Folding Box Boards, Silk Boards, Detail Drawing & Cover)
Crocker-McElwain Co. (Writings, Ledgers, Bonds & Card Index Bristols)
Franklin Paper Co. (White & Colored Bristol Boards, White Blanks & Index Bristols)
Japanese Tissue Mills (Crystal Crepe & Decorating Paper, Waxed Paper, Paper Napkins & Fancy Decorated Tissues)
Newton Paper Co. (Sheathing, Deadening Felt, Wool Felt, Heavy Wrappers, Jute & Rope Manila & Specialties, Corrugated Blue Carpet Lining Felt)
New York-New England Co. (Cover, Card Board, Photograph & Calender Mounting Boards)
Parsons Paper Co. (Bonds, Ledgers, Bristols & Linens)
Taylor-Logan Co. (Book, Cover, Bond, Envelope, Papeterie, Vellum & Special Finish Papers)
Valley Paper Co. (Bonds, Linens, Ledgers, Photographic Papers)
White & Wyckoff Mfg. Co. (Papeterie & Typewriter)
Whiting Paper Co. (Writing)
Whitmore Mfg. Co. (Surface Coated, Enameled Covers & Cardboard)

HOUSATONIC—Rising B. D. Paper Co. (Bond, Linen & Ledgers, Wedding & Index Bristols)

HUNTINGTON—American Writing Paper Co. (Writing). Office: Holyoke, Mass.

HYDE PARK—Tileston & Hollingsworth Co. (Book, Lithograph, Card & Plate). Office: Boston, Mass.

LAWRENCE—Champion International Co. (Soda & Sulphite Fibre)
Merrimac Paper Co. (Super-Calendered & Machine Finished & Enameled Book, Coated Lithograph, Writing, Music & Envelope)
Munroe Felt & Paper Co. (Roofing, Carpet Lining & Ingrain Hanging). Office: Boston, Mass.

LEE—Eaton-Dikeman Co. (Blotting & All Grades of Absorbent Papers)
Mountain Mill Paper Co. (High Grade Ledgers & Specialties)
Smith Paper Co. (Copying, Silver, Roll, Colored, Condenser, Typewriter, Wrapping & Carbon Tissues)

MILLERS FALLS—Millers Falls Paper Co. (Book, Cover, Index Bristol, Bond & Tinted Superfines)

MITTINEAGUE—American Writing Paper Co. (Writing, Bond, Russian Linen Ledger & Wedding Board), Office: Holyoke, Mass.
Southworth Co. (Bonds, Linens, Ledgers & Folded Papers)
Strathmore Paper Co. (Bond, Book, Cover, Drawing, Board, Wedding, Mounting, etc)
Worthy Paper Co. Ass'n (Bond, Ledger, Linen Fine, Superfine, Pasted Wedding Board & Fancy Covers, Deckle Edged)

MONROE BRIDGE—*Monroe Bridge Paper Co. (White & Colored Manila Bristol, Manila Tag Board, Duplex Board, Cover & Colored Specialties; also Ground Wood)

MOUNT TOM—*Mount Tom Sulphite Pulp Co. (Bleached Sulphite Fibre), Office: Boston, Mass.

NEW BEDFORD—Pairpoint Corporation (Straw Board, Heavy Baling & Case Lining Papers)

NEWTON LOWER FALLS—Crehore Chas. F. & Son (Press Board & Jacquard

NORFOLK—Wall J. F. & Son ("Juniper" Sheathing, Wrapping, Roofing, Building, etc)

NORTH DIGHTON—Lincoln L. & Co. (Manila, Sheathing, Tack & Tailors' Pattern)

NORTH LEOMINSTER — Wheelwright Geo. W. Paper Co. (Bristol Boards, White & Tinted Blanks, Coating & Book), Office: Boston, Mass.

NORTH WILBRAHAM—Collins Mfg. Co. (Writing)

OTTER RIVER—Otter River Board Co. (Binders & Trunk Boards)

PEPPERELL—Nashua River Paper Co. (Book, Lithograph, Coating & Writing)

PITTSFIELD—Eaton, Crane & Pike Co. (Bond & Writing, etc)

RUSSELL—Chapin & Gould Paper Co. (Bond Ledger & Writing), Office: Springfield, Mass.
Westfield River Paper Co.

SOUTH HADLEY—Japanese Tissue Mills (Fancy Colored Tissues, Waxed Paper, Crystals, Crepe Decorating Papers), Office: Holyoke, Mass.

SOUTH HADLEY FALLS—Carew Mfg. Co. (Ledgers, Bonds, Linens & Typewriter Papers)
Hampshire Paper Co. (Bond & Typewriter)

SOUTH LEE—American Writing Paper Co. (Writing), Office: Holyoke, Mass.

SPRINGFIELD—Chapin & Gould Paper Co. Mills: Russell, Mass.

TOWNSEND HARBOR—Spaulding Fibre Company, Inc. (Fibre Boards; Office: N Rochester, N. H.
See adv index at end of book

TURNERS FALLS—Esleeck Mfg. Co. (Onion Skin, Manifolding Typewriter, Bond & Linens)
International Paper Co. (High Grade Cotton Waste, News; also Ground Wood), Office: New York
Keith Paper Co. (Writing, Bond, Ledger, Wedding Bristols & Specialties)

WALTHAM—Roberts John & Son Co. (Asbestos, Sheathing & Wrapping)

WEST DUDLEY—West Dudley Paper Co. (Manila, Lining, Bogus & Specialties)

WESTFIELD—Crane Bros. (Linen Ledger, Linen Writing, Linenoid Goods)

WEST GROTON—Groton Leather Board Co. (Heeling & Counter Board), Office: Boston, Mass.
Hollingsworth & Vose Co. (Red Rope Roofing & Insulating, All & Part Rope Tag Pattern, Box Stay, Flour & Cement Sack & Specialties), Office: Boston, Mass.

WHEELWRIGHT—Wheelwright Geo. W. Paper Co. (Book Coating & Music), Office: Boston, Mass.

WORONOCO—Strathmore Paper Co. (Bond, Ledger, Bristol, Wedding, Typewriter, Cover, etc.)

MICHIGAN.

ALPENA—*Fletcher Paper Co. (Fibre, Bag & Manila, also Sulphite Fibre, Ground Wood)

BATTLE CREEK—Michigan Carton Co. (Box, Combination & Coated Boards)

CAPAC—Capac Paper Co. (Sanitary Fibre Products, Box Boards, etc.)

CHEBOYGAN—*Union Bag & Paper Corp. (Butchers, All Sulphite & Bag Paper) Office, New York City

CHILDSDALE — Childsdale Paper Co. (Straw, Chip, Colored & Pulp Boards)

CONSTANTINE—Constantine Board & Paper Co. (Express, Fibre, Ham & Box Board)

DETROIT—*Detroit Sulphite Pulp & Paper Co. (High Grade Envelope, Wrapping, Documents, Manila, Tag Board, Bristols, Cover & Specialties, also Sulphite Fibre), 2607 W. Jefferson

ESCANABA—*Escanaba Wood & Fibre Co.

GRAND RAPIDS—American Box Board Co. (High Grade Box & Corrugated Boards)

GROOS—*Escanaba Pulp & Paper Co.

JACKSON—Michigan Bag & Paper Co. (Bag Paper & "Ever-ready," Quick Opening Bags & Satchel Bottom & Square Bags)
KALAMAZOO—Bryant Paper Co. (Machine Finished & Super-Calendered Book, Map, Lithograph, Label, Music, Folder, Drawing, Rag & Wood Envelope, Tinted Laid Flats & Tub Engine-Sized Writings, French Folio & Specialties)
Hawthorne Paper Co. (Ledger, Bond & Writing)
Kalamazoo Paper Co. (Map, Writing, Envelope, Bond, Card & Coating, Book, Lithograph & Colored & Laid Flats)
Kalamazoo Vegetable Parchment Co. (Vegetable Parchment & Wax)
King Paper Co. (Book, Folder, Label, Lithograph, Map, Envelope & Writing)
Monarch Paper Co. (Machine Finished & Super-Calendered Book, Lithograph, Card, Coating, Folders & Tablet)
Rex Paper Co.
Riverview Coated Paper Co. (Coated Paper & Cardboard)
Standard Paper Co. (Card Middles & Box Boards)
Western Board & Paper Co.
MENOMINEE—Hoskin-Morrainville Paper Co. (Kraft)
Marinette & Menominee Paper Co. (See Marinette, Wis.)
MONROE—Boehme & Rauch Co. (Patent Coated & Combination Box Boards)
Monroe Binder Board Co. (Binders, Buggy & Backing Board)
Monroe Paper Co. (Straw, Rag, Wrapping & Lining Papers)
River Raisin Paper Co. (Folding Box Board, Shipping Cases, etc.)
MUNISING—*Munising Paper Co. (Bond, Fibre & Specialties, also Sulphite Pulp)
MUSKEGON—*Central Paper Co. (Fibre Manila, also Sulphite Fibre)
NILES—*French Paper Co. (Super-Calendered & Machine Finished Book)
*Niles Board & Paper Co. (Straw, Chip, Manila Lined & Colored Board, also Ground Wood)
OTSEGO—Bardeen Paper Co. (Book, Blotting, Cover, French Folio, Matrix, Map, Poster & Writing, Label, Ticket, Bible, Drug, Mimeograph, Parchment, Railroad Manila, Music, Paraffine, Coupon & Rag Papers, Felts, Ham, Express & Mill Wrappers)
Mac-Sim-Bar Paper Co. (Bristols, Sign Board, Saturating, Roofing & Deadening Felts, Card Middles, Document, Plain & Coated Box Boards, Plain & Duplex Bag, Tough Check, Rope & Fibre Papers, Cap, Wool, Building, Mill Wrappers, Corrugated Carpet Lining, Bottle Wrappers)
Wolverine Paper Co. (Waxed)
PALMYRA—Simplex Paper Co. (Sheathing & Mill Wrappers)
PLAINWELL—Michigan Paper Co. (Machine Finished Book, White & Colored French Folio, Catalogue, Pattern & Non-Fading Poster)
PORT HURON—Port Huron Sulphite & Paper Co. (Sulphite Papers & Light Weight Specialties)
ROCHESTER—Barnes Paper Mills (Book, News, Tobacco & Wrapping)
ST. JOSEPH—Mullen Bros. Paper Co. (Building & Specialties)
THREE RIVERS—Eddy Paper Co. (Card Middles, Bristols, Bogus Bristols, Bag & Specialties)
VICKSBURG—Lee Paper Co. (Bond, Ledger, Envelope, Plated & Linen Loft-Dried Papers)
WATERVLIET—Watervliet Paper Co. Surface Coated Jute, Container, News & Combination Boards)
WHITE PIGEON—Eddy Paper Co.
YPSILANTI—Peninsular Paper Co. (Bond, Cover, Flats & Specialties)

MINNESOTA.

BRAINERD—Northwest Paper Co. (Ground Wood)
CLOQUET—*Northwest Paper Co. (News & Manila, also Ground Wood)
GRAND RAPIDS—*Itasca Paper Co. (News, also Ground Wood)
INTERNATIONAL FALLS—Minnesota & Ontario Paper Co. (Sulphite)
LITTLE FALLS—*Hennepin Paper Co. (News, Manila, also Ground Wood), Office: Minneapolis, Minn.
MINNEAPOLIS—*Hennepin Paper Co. (News, Manila & Ground Wood), Plymouth bldg. Mills: Little Falls, Minn.
Minnesota & Ontario Power Co. (News), Andrus bldg
Nelson B. F. Mfg. Co., (Bldg. Paper, Box Board & Roofing)
SARTELL—Watab Paper Co. (News, also Ground Wood)

MISSISSIPPI.

MOSS POINT—Southern Paper Co. ("Kreole," Kraft & Wrapping)

MISSOURI.

ST. LOUIS—Certain-teed Products Corp., Ford Mfg. Co., Id & Biddle
St. Louis Tissue & Mfg. Co. (Toilet Paper, Paper Cans & Mailing Tubes), 3417 Chouteau av

NEW HAMPSHIRE.

BATH—Cushman & Rankin Co. (Fibre Leather Board)
BENNINGTON—Monadnock Paper Mills (Machine Finished & Super-Calendered Book, English Finish, Music, Lithographic, Envelope & Coating)
BERLIN—Brown Co. (Ground Wood, Bleached & Unbleached Sulphite Fibre), Office: Portland, Me.
International Paper Co. (News & Card Middles), Office: New York City
BRISTOL—*Mason-Perkins Paper Co. (News, Colored Poster & Box Lining, also Ground Wood)
CLAREMONT — Claremont Paper Co. (Drawing, Super-Coating, Book, Manila)
FRANKLIN—*International Paper Co. (News, No. 2 Book, Manila Specialties, also Ground Wood). Office: New York City
GROVETON—*Groveton Paper Co., Inc. (Fibre & Manila, also Sulphite Fibre)
HINSDALE—Ashuelot Paper Co. (Tissue, Yellow Copying & High Grade Tissues)
Fisk Paper Co. (White & Manila Tissue & Toilet Papers)
Robertson Bros. (White & Colored Tissue Manila in Rolls)
Robertson E. C. & Son (Aseptic Papers, Tissue Manila, White & Colored Tissue in Rolls & Large Sheets)
Robertson G. A. & Co. (Tissue Manila & Toilet, Rolls & Large Sheets)
MANCHESTER—Amoskeag Paper Mill Co. (Book Paper)
MILTON — Milton Leather Board Co. (Leather Board)
Spaulding Fibre Company, Inc.
See adv index at end of book
NORTH ROCHESTER—Spaulding Fibre Company, Inc. (Fibre Boards). Mills: Townsend Harbor, Mass.
See adv index at end of book
SUNAPEE—*Emerson Paper Co. (Book Paper, also Ground Wood)
WEST CLAREMONT—Coy Paper Co. (Tissue Manila)
Jarvis Paper Mills (Russell Jarvis, Prop.)
WEST HENNIKER—Contoocook Valley Paper Co. (Book, Card & Specialties in Strong Papers)
WEST HOPKINTON—Davis Paper Co.

NEW JERSEY.

BLOOMFIELD—Davey E. H. Co. (Trunk, Binders & Friction Boards, High Grade Tar Boards)
Diamond Mills Paper Co. (Copying, Carbon, Cigarette & Tissues). Office: New York City
BOGOTA—Bogota Paper & Board Co.
Continental Paper Co. (Box & Lithograph Boards, Card Middles & Coating Boards)
Federal Paper Board Co., Inc.
BOONTON—Field & White Co. (Roofing & Deadening Felts). Office: New York City
BUTLER—Pequannock Valley Paper Co. (Tissue Manila)
CAMDEN—*Mac Andrews & Forbes Co. (Box Board, etc.)
West Jersey Paper Mfg. Co. (Rope Manilas, All Grades)
CLIFTON—Clifton Paper Mills
ELIZABETH—Barrett Mfg. Co. (Roofing & Building)
GARFIELD—Hamersley Mfg. Co. (Waxed Papers & Tissues, Entire Product Consumed in Their Own Factory). Office: New York City
GLOUCESTER—Hinde & Dauch Paper Co. (Bogus, Felt, Chip & Indented Board). Office: Sandusky, O.
HAMBURG—Union Waxed & Parchment Paper Co. (Tissue & Waxed Papers)
HOBOKEN—Hoboken Paper Mill Co. (Lining, Manila, Building & Specialties)
JERSEY CITY—Boyle John F. Co. (News & Straw Boards), 500 Montgomery
Davey W. O. & Sons (Binders, Friction & Trunk Board), 169 Laidlaw av.
Leo Jas. Co. (Chip & Combination Box Boards), 251 Varick
LAMBERTVILLE—Bergen Paper Co. (Dry Saturated Felts)
Gandy Wm. H. (Est. of), (Tissue Manilla & Copying)
Mann Wm. Co. (Railroad Copying & Manifold Papers). Office: Phila., Pa.
LITTLE FERRY—Bergen Paper Co. (Deadening Felt)
MILFORD—Warren Mfg. Co. (Sand & Music Paper, Rope Tag & High Grade Specialties Made from Manila Fibre)
MILLBURN—Diamond Mills Paper Co. (Cigarette, Pattern, Copying & Tissue). Office: New York City
Fandango Mills (Binders Boards)
MORRISTOWN—Muir James A. (Binders' Board)
NEWARK—Albey Bros. (Box, Trunk Binders' & Boards), 149 Meeker av
Newark Boxboard Co., Blanchard
Waverly Paper Box Board Co. (Box Boards), Westorr av
NUTLEY—La Monte Geo. & Son (Safety Papers & Specialties, Bankers' Safety, Railroad Ticket, Writings & Animal-Sized Papers in Rolls, Quadrille)
PASSAIC—Paterson Parchment Paper Co.
RIEGELSVILLE—Bergen Paper Co. (Dry Saturated Felts)
Warren Mfg. Co. (Manila Jute & Rope, Rope Bristol in 15 Colors). Office: New York City
WHIPPANY—McEwan Bros. (News & Folding Paper Box Boards)
United Paper Board Co. (Patent News Board & Chipped Board). Office: New York City

NEW YORK.

ALBANY—A. P. W. Paper Co., 1273 Broadway
AMSTERDAM—Smeallie & Voorhees (Paper Board)
ANCRAM—Ancram Paper Mill (White, Colored, Manila & Anti-Rust Tissue & Specialties in Tissue). Office: New York City
AUSABLE FORKS—*Rogers J. & J. Co. (Bag, Envelope, Hardware & Manila, also Sulphite Fibre)
BALDWINSVILLE—Hoffman R. S. Co. (Tissue, Toilet & Waxed)
BALLSTON SPA—Ballston Fibre Products Co.
National Folding Box Co. (Manila, Board & Single & Double Lined Chip Box Board). Office: New Haven, Conn.
BATTENVILLE — Phoenix Paper Co. (White & Manila Tissue Sheets & Jumbo Rolls). Office: Greenwich, N. Y.
BEAVER FALLS—*Lewis J. P. Co. (Manila, Jute & Combination Boards, also Ground Wood)
*Lewis, Slocum & Lefevre Co. (Ground Wood)
BINGHAMTON—Bayless Pulp & Paper Co.
BLOSSVALE—Blossvale Paper Co. (White & Manila Tissue)
BROWNVILLE—*Brownville Board Co. (Tag Board, Document & Manila & Manila Folding Box Boards, also Ground Wood)
*Brownville Paper Co. (Railroad Manila, Colored Poster, Glazed Fibre & Colored Specialties, also Ground Wood)
*Harmon Paper Co. (Book, News, Manila & Colored Specialties, also Ground Wood)
CADYVILLE — International Paper Co. (Ground Wood)
CAMDEN—Burnham Asa C. (Cash Regis-
CANAAN—Heffermann Paper Co., Office: New York City
CARTHAGE—*Carthage Sulphite Pulp & Paper Co. (Sulphite Fibre)
*Carthage Tissue Paper Mills (Manila, White & Colored Tissue & Toilet Paper, Packages & Rolls)
*Champion Paper Co. (Manila, also Ground Wood)
*Island Paper Co. (Manila, Bag & Dry Fibre, also Ground Wood)
*West End Paper Co. (News)
CASTLETON—Ingalls & Co. (Binders Board)
CASTLETON-ON-HUDSON — Ft. Orange Paper Co. (Buckskin & Columbia Box Boards, Card Middles, Silk Wrappers, Jacquard Boards & Featherweight Textile Boards), Dept. H.
CHATEAUGAY—*Chateaugay Pulp Co. (Ground Wood)
*High Falls Pulp & Paper Co. (News, Hanging, also Ground Wood)
CLAYVILLE—Clayville Paper Mills Co. Tissue, Toilet)
COHOES—Gilbert Frank Paper Co.
Snyder W. W. Mfg. Co. (Straw Board)
CORINTH—International Paper Co. (News, Manilas, etc.)
ter Paper)
DE FERIET—*St. Regis Paper Co. (News, also Ground Wood & Sulphite Fibre). Office: Watertown, N. Y.
DEXTER—*Dexter Sulphite Pulp & Paper Co. (Fibre Wrapping & Bag Papers, also "Mitcherlich" Sulphite Fibre & Ground Wood)
Warren Parchment Co.
ELBRIDGE—Paddock Tube Paper Co. (Straw Boards)
FALLSBURG—Lefevre Edw. Y. (Cloth Lined Tissue, Crinkled & Light Weight Manila)
FAYETTEVILLE—Lawless Paper Co. (Manila & Tissue). Office: Rochester, N. Y.
McIntyre Bros. Paper Co., Inc. (Tissues)
FELTS MILLS—Lefebvre A. H. (Ground Wood)
FORESTPORT—*Pennington A. R. & Co. (Ground Wood)
FORT EDWARD—International Paper Co. (Sulphite Fibre), Office: New York City
FORT MILLER—*Fort Miller Pulp & Paper Co. (Hanging, also Ground Wood)

(Continued on following page)

Paper & Pulp Mills—Continued

MICHIGAN—Continued

FULTON—*Arrowhead Mills, Inc. (Light Weight Manilas, News, White Lining, Kraft Paper, Ground Wood & Sulphite Pulp)
Eureka Paper Co. (Rope, Fibre, Express, Manila & Saturating & Specialties)
North End Paper Co. (White Tissue)
*Oswego Falls Pulp & Paper Co. (News, Hanging, Wood Pulp & Combination Board)
Victoria Paper Mills Co. (Manila, Tissue Paper, Toilet Paper in Rolls & Packages, Tissue Specialties, Paper Bags)

GLENS FALLS—Finch, Pruyn & Co.(Inc.), News & Half Tone, also Ground Wood)
International Paper Co. (News & Hanging, also Ground Wood). Office: New York City

GOUVERNEUR—*Aldrich Paper Co. (Wood Pulp). Office: Watertown, N. Y.

GREAT BEND—*Taggarts Paper Co. (Hanging & Tablet). Office: Watertown, N. Y.

GREENWICH—*Blandy Paper Co. (Tag, Manila & Special Papers for Glazed Paper & Cardboard). Office: Schuylerville, N. Y.
Continental Paper Bag Co. Office: New York City
Mohican Pulp & Paper Co
Phoenix Paper Co.

HADLEY—*Union Bag & Paper Co. (Bag & Manila, also Ground Wood). Office: New York City

HARRISVILLE—*Diana Paper Co. (Tissue & Light Weight Colored, also Ground Wood)

HERKIMER—Herkimer Fibre Co. (Leather & Fibre Board). Office: Boston, Mass.

HINCKLEY—*Hinckley Fibre Co. (Sulphite Fibre)

HUDSON FALLS—*Union Bag & Paper Corp. (Pulp, Spruce, Groundwood, Unbleached Sulphite, Kraft, Screenings, Paper, Kraft & Dry Finished Sulphites). Offices: New York City

ITHACA—Brown Paper Co.
Empire Paper Co. (Tissue for Waxing)

LITTLE FALLS—Kingston Paper Co., Inc. (Roofing, Dry, Saturating & Deadening Felts, Building & Carpet Linings)
Mohawk Valley Paper Co.

LOCKPORT—Fibre Corporation (Indurated Ware & Ground Wood)
Lockport Paper Co. (Roofing Felt, Deadening, Sheathing & Heavy Wrapping)
Niagara Paper Mills (Covers & Fine Specialties)
United Paperboard Co. (Manila Coated & Combination Boards, Card Middles & Specialties), Offices: New York City

LYONSDALE—Ager C., Leonard J. (Straw & Shivy Fibre)
*Moyer & Pratt (Manila & Fibre, also Ground Wood)

LYONS FALLS—Gould Paper Co. (News, No. 2 Manila, also Sulphite Fibre & Ground Wood)
*Moyer & Pratt

McKEEVER—See Thomson, N. Y.

MALONE—*Malone Paper Co. (News, also Ground Wood)

MARCELLUS FALLS—Onondaga Paper Co. (Screening, Express, Fibre, Manila & White Tissue, Colored Specialties)
Marcellus Paper Co. (Express, Screenings, Mill Wrappers & Hardware), Office: Syracuse, N. Y.

MECHANICSVILLE—*West Virginia Pulp & Paper Co. (Machine Finished & Super-Calendered Book, Lithograph & Varnish Label, also Bleached Soda & Sulphite Fibre), Office: New York City

MELLENVILLE—Hallett Bros. Co. (Box Board, Wrapper, Card Middles, Lined & Unlined Folding Box Board)
Van Buren J. M. & Co. (Wrapping)

MIDDLE FALLS—*Stevens & Thompson Paper Co. (Tissue & Manila Tissue, also Ground Wood)

MUMFORD—Mumford Paper Mills, Inc. (Manila Tissue & Toilet)

NAPANOCH—Hoornbeck's John C. Sons (Wood Flour)
Humphrey & Young (Light & Heavy Bogus, Wrapping & Butchers' Manila)
Ulster Tissue Mills, Inc.

NATURAL DAM—Aldrich Paper Co. (Sulphite Fibre)

NEWBURGH—Holden Paper Co. (Book)
Little Falls Paper Co. (Tissue & Tissue Manila)

NEWTON FALLS—*Newton Falls Paper Co. (Sulphite Fibre), Office: Watertown, N. Y.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Thompson & Norris Co. (Straw & Fibre Paper for Corrugating & Corrugated Paper & Bottle Packing), 212 Concord. Mills: Brookville, Ind.
Tidewater Paper Mills Co. (News), 32-33d

Boroughs of Manhattan and Bronx.

NEW YORK—Ancram Paper Mills (White Colored, Manila & Anti-Rust Tissue & Specialties in Tissue), 150 W 22nd. Mills: Ancram, N. Y.
Barrett Co. (Roofing Felt), 40 Rector. Mills: Peoria, Ill.
Blauvelt Wiley Paper Mfg. Co., 132 King
Bulkley, Dunton & Co. (Card Middles, Book, etc.), 75 Duane
*Continental Paper & Bag Mills (High Grade White Colored & Manila Tissues, Toilet Paper, Light Weight Specialties, Kraft & Sulphite), 1 Pershing sq
Diamond Match Co. (White Coated, Colored & Manila Lined Board), 111 B'way; Mills: Southford, Conn.
Diamond Mills Paper Co. (Copying, Carbon, Pattern, Cigarette Tissues, Typewriter & Silver Tissue), 53 Park pl
Field & White Co. (Roofing & Deadening Felts), 116 Nassau
Fort Orange Paper Co. (Buckskin & Columbia Box Boards, Card Middles, Silk Wrappers, Jacquard Boards), 200 5th av
French Process Cigarette Paper Mills, Inc., 200H 5th av
*Great Northern Paper Co. (News & Manila Paper, Sulphite Fibre & Ground Wood), 342 Madison av. Mill: Madison, Me.
Heffernan James P. Paper Co., 25 Water. Mills: Canaan, N. Y.
*International Paper Co. (News, Manila, Fibre), Pershing Square bldg
Johns-Manville Inc. (Asbestos Paper & Mill Board), Madison av & 41st
La Monte Geo. & Son (Safety Paper), 61 B'way, New York
New York & Penna. Co. (Soda & Sulphite), 200 5th av
*Oxford Paper Co. (Machine Finish & Super-Calender Book, Lithograph, Varnished Label; also Soda & Sulphite Pulp), 200 5th av. Mills: Rumford Falls, Me.
Pejepscot Paper Co. (News, Cover & Wrapping), 42 Broadway. (See Brunswick, Me.)
Pynetree Paper Co. (Container Boards), 450 Pearl
Racich Asbestos Mfg. Co., 609 W 55th
*Ticonderoga Pulp & Paper Co. (Book, Writing, Magazine & Coating; also Soda Fibre), 200 5th av. Mills: Ticonderoga, N. Y.
*Union Bag & Paper Corp. (Blank Wall)
*Union Bag & Paper Corp. (Pulp:—Kraft, Unbleached Sulphite, Ground Wood. Paper:—Kraft and Unbleached Sulphites), 233 Broadway
United Paperboard Co., 171 Madison av
Voith J. M. Co. Inc., 30 Church
Walther & Co. (Surface Coated Paper), 72 Duane, New York
Warren Mfg. Co. (Manila, Jute & Rope, Rope Bristol in 15 Colors), 8 W 40th. Mills: Reigelsville, N. J.
Whitaker Paper Co., 48 Great Jones
York Haven Paper Co. (Colored Fibre, Express), 290 B'way. Mills: York Haven, Pa.

Borough of Queens.

LONG ISLAND CITY—Dragon Paper Mfg. Co. (Waxed), 484 Van Oist av
RAVENSWOOD, L. I.—Ravenswood Paper Mill Co. (Straw & Plain Colored Chip Board, Lined or Unlined)

(End of New York City)

NIAGARA FALLS—*Cliff Paper Co (News, Rolls, Sheets, Hanging; also Ground Wood)
Defiance Paper Co.
*International Paper Co. (News & Manilas), Office: New York
Lockport Paper Co. (Building, Roofing, Wrapping & Deadening Felts), Office: Lockport, N. Y.
*Niagara River Mfg. Co. (Ground Wood)
*Pettebone-Cataract Paper Co. (Roll & Sheet News; also Ground Wood)
Ralston W. & Co., Inc.

NORTH HOOSICK—Stevens & Thompson (Inc.) (Specialties in Colors)

NORWOOD—Martin Pulp & Paper Co.
Remington Paper & Power Co. (News Print Paper)

ORANGEBURG—Fibre Conduit Co. (Conduits Made from Wood Pulp)

PALMER—*International Paper Co. (Sulphite Fibre & Ground Wood), Branch of New York

PENFIELD—Lawless Paper Co. (Waterproof Bogus), Office: Rochester, N. Y.

PENN YAN—Andrew Bros. Paper Co. (Butchers, Manila, Bogus, Wrapping & Sheathing)
Fox W. H. & Sons (Straw Wrapping)

PHOENIX—Crescent Paper & Machine Co. (Tissue Manila)
Oswego River Paper Mills (Tissue for Toilet Papers, All Kinds of Packages & Roll Toilet Papers Our Specialty)
Phoenix Toilet & Paper Mfg. Co. (Manila Tissue & Toilet)
Sweet Bros. Paper Mfg. Co. (White, Colored & Manila Tissue)
Three Rivers Paper Co.

PIERCEFIELD—*International Paper Co. (Manila; also Ground Wood & Sulphite Fibre), Office: New York

PIERMONT—Piermont Paper Co. (Patent Coated Pulp Lined & Other Folding Box Boards & White Blanks)

PLATTSBURG—*Lake Champlain Pulp & Paper Co. (Bag, Hanging, News, Manila Tissue; also Ground Wood)
*Saranac Co. (Ground Wood)
Underwood Paper Mills, Inc.

PORT LEYDEN—Gould Paper Co. (Heavy Manila & Drab Express), Office: Lyon Falls, N. Y.
Johnston & Son

POTSDAM—Racquette River Paper Co. (Manilla & Fibre Wrapping, Envelope & Printed Manillas, Bag Papers, Colored Specialties, etc.)
Unity Paper Mills, Inc. (Book)

PYRITES—De Grasse Paper Co. (Sulphite Bag & Manila; also Ground Wood & Sulphite Fibre)

RAYMONDVILLE—Remington Paper & Power Co. (News Print Paper)

ROCHESTER—Eastman Kodak Co.
Flower City Tissue Mills Co. (White, Colored & Manila Tissue, All Grades of Fourdrinier White Tissues)
Lawless Paper Co. (Manila & Tissue, Waterproof)
Rochester Paper Products Co. (Cardboard Boxes, Lining Paper & Mailing Tubes)

ROCK CITY FALLS—Big Falls Paper Co. (Box Boards)
Brown E. M. Paper Co. (Card Middles, Coating, Manila & Duplex)

SAUGERTIES — Cantine, Martin Co., (Coated Lithograph, Plate & Enameled Book Papers)
Diamond Mills Paper Co. (Typewriter, Copying, Carbon, Silver Tissue & Cigarette). Office: New York City

SCHUYLERVILLE — *American Wood Board Co. (Tag Manila & Special Paper for Glazed Paper & Cardboard, also Ground Wood)
Blandy Paper Co. Mills: Greenwich, N. Y.

SCOTTSVILLE — Scottsville Paper Box Board Corp.

SKANEATELES—Skaneateles Paper Co. (Mill Wrappers & Machine Dried Boards)

SKANEATELES FALLS—Saxer Paper Mills (Office, Syracuse)

SOUTH EDWARDS—*Carthage Tissue Paper Mills (Ground Wood). Office: Carthage, N. Y.

STILLWATER—Pemble Wm. & Sons (Straw Board, Leather Board, Counter Board)

STOCKPORT—Van De Carr Paper Co. (Rag & Straw Wrapping & Common Bogus, No. 2 Straw, Cigarette & Carpet Lining)

SYRACUSE—Marcellus Paper Co. (Express, Screenings, Mill Wrappers & Hardware). Mills: Marcellus, N. Y.
Saxer Paper Mills

THOMSON—*Iroquois Pulp & Paper Co. (Hanging & News, also Ground Wood)

TICONDEROGA — *International Paper Co. (News, also Ground Wood). Office: New York City
*Ticonderoga Pulp & Paper Co. (Book, Magazine & Coating, also Soda Fibre). Office: New York City

TONAWANDA—Tonawanda Board & Paper Co. (Solid & Filled Jute Boards, Plain & White Pulp Lined Eureka Boards, Chipboards, Solid & Filled News Board, Solid & Filled Pulp Boards, Box & Barrel Layers, Combination Boards, Patent Coated Boards, Colored Boards, Trunk, Textile, Binders Cloth, Picture, Furniture & Buggy Back Boards Container Boards & Fibre Shipping Containers)

TROY—Manning John A. Paper Co. (Boot & Shoe Counters, Insulating Press Boards & Paper, Rope Manila Paper for Sand Poper)

UTICA—Foster Box Board Co. (Box Boards)
Mutual Box Board Co. (Box Boards)

VALATIE—Richmond Robert P. (Wrapping Paper)

WALLOOMSAC—Walloomsac Paper Co. (Colored Wall Papers, Ingrains & Specialties)

WARRENSBURG—*Schroon River Pulp & Paper Co. (News & Hanging, also Ground Wood)

WATERFORD—Gilbert Frank Paper Co. (Colored Specialties, Coating, Cover, Interleaving Blotting, Book, Tablet & News)

WATERTOWN—*Aldrich Paper Co. (News, Manila & Hanging, also Ground Wood)
Diana Paper Co.
*International Paper Co. (News, Manilas, also Sulphite Fibre & Ground Wood), Branch of New York City
Knowlton Bros. (Covers, etc)

*Newton Falls Paper Co. (Sulphite Papers, Bag, Wrapping, Sack & Kraft, Sulphite Fibre). Mills: Newton Falls, N. Y.
Remington Paper & Power Co., Inc.
*St. Regis Paper Co. (News, Ground Wood & Sulphite Fibre). Mills: De Ferlet, N. Y.
Taggart Bros. Co. (Manila, Rope, Papers, Flour & Cement Sacks)
Taggart's Paper Co.
WILLSBORO—New York & Penna. Co. (Soda Fibre Dry in Rolls, also Paper)

NORTH CAROLINA.

CANTON—*Champion Fibre Co. (Soda & Sulphite Fibre). Office: Hamilton, O.
ROANOKE RAPIDS—Halifax Paper Corp. (Butchers' Manila & Kraft Fibre). Office: Richmond, Va.

OHIO.

AKRON—Phillips Thos. Co. (Rope, Cement, Flour, Feed & Lime Sack Papers, Sand & Sign Paper)
BALTIMORE—Fairfield Paper Co. (Chip, Jute & Combination Board, Rag & Jute Wrapping)
BARBERTON—Lignistra Fibre Products Co.
BOSTON—Cleveland-Akron Bag Co. (Rope, Flour, Sack, etc.)
CEDARVILLE—Hagar Straw Board & Paper Co. (Light Straw Board & Wrapping, Tube Egg Case & Corrugating). Office: Xenia, O.
CHAGRIN FALLS—Adams Bag Co. (Manila Rope for Flour & Cement Sacks), 1900 Euclid av. Office: Cleveland, O.
CHILLICOTHE—*Mead Pulp & Paper Co. (Book, Lithograph & Writing, Enameline & Ivory Half-Tone in White & Colors). Office: Dayton, O.
CINCINNATI—Carey Philip Mfg. Co. (Asbestos Paper & Mill Board, Roofing Felt), 330 Wayne av, Lockland
Chesapeake Corp.
CIRCLEVILLE—American Straw Board Co. Office: Chicago, Ill.
CLEVELAND—Adams Bag Co. (Manila Rope Paper for Flour & Cement Sacks), 1900 Euclid av
Cleveland-Akron Bag Co. (Rope, Flour Sack & Manilas)
Cleveland Waterproof Paper Co. (Waxed)
Ohio Box Board Co. (Box Boards, Including Patent Coated, Jute, Manila Lined News, etc.), 1390 E 30th. Mills: Rittman, O.
COSHOCTON—Coshocton Straw Paper Co. (Straw Paper for Corrugating & Straw Wrapping)
CRESENTVILLE—Fox Paper Co. (See Lockland)
CUYAHOGA FALLS—Walsh Paper Co. (Milton, Starch, Macaroni, Tailors' Pattern & Colored Specialties)
DAYTON—Aetna Paper Co. (Bonds, Ledgers, Lining & Flats)
*Mead Pulp & Paper Co. (Book, Lithograph & Writing, Enameline & Ivory Half-tone in White & Colors). Mills: Chillicothe, O.
Peerless Paper Co. (Book)
DELPHOS—Hinde & Dauch Paper Co. (Straw Wrapping & Light Straw Board). Office: Sandusky, O.
FRANKLIN—American Writing Paper Co. (Writing). Office: Holyoke, Mass.
Franklin Board & Paper Co. (Patent Coated, News, Manila, Lined Chip, Paper Stock, Jute, Pulp & Combination Board)
Patent Vulcanite Roofing Co.
HAMILTON—Beckett Paper Co. (Colored Covers & Specialties)
Champion Coated Paper Co. (Book, Manila & Cardboard)
*Champion Fibre Co. (Fibre Board & Soda & Sulphite)
Sterling Paper Co. (Writing & Envelope Paper). Office: Dayton, O.
JAITE—Jaite Co. (Rope Specialties, Cement, Flour & Charcoal Bag Papers)
LANCASTER—Lancaster Board & Paper Co.
Lancaster Leather Co. (Leather Boards)
LOCKLAND—Carey Philip Mfg. Co. (Asbestos Mill Board & Roofing Felt), 330 Wayne av
Fox Paper Co. (Wrapping, etc.)
Richardson Paper Co. (Roofing, Fly & Specialties in Felt, Box & Other Boards), Wyoming & Cooper avs
MASSILLON—Massillon Paper Co. (Straw Wrapping)
Munroe Falls Paper Co. (Carpet Lining, Express, Straw & Rag Wrapping, Building, Absorbent, Fly Paper, Fireworks Paper, Deadening Felt & Roofing)
MAUMEE—Carney Paper Co.
MIAMISBURG—Miamisburg Paper Co. (Book, News, Envelope, Butchers' & No. 2 Manila)
Ohio Paper Co. (Bottle Wrappers, Carpet Lining & Saturating Felt)
MIDDLETOWN—Crystal Paper Co. (White, Colored & Manila Tissue & Wax Paper)
Gardner-Harvey Paper Co. (Box Boards)
Oglesby W. B. Paper Co. (Writing, Bond Ledger, etc.)
Sorg Paul A. Paper Co. (Jute & Manila Rope Specialties, Tissues & White Wax)
Wardlow-Thomas Paper Co. (Rope & Jute Manila)
Wrenn Paper Co. (Blotting)
MUNROE FALLS—Munroe Falls Paper Co. (Carpet Lining, Express & Fireworks Paper, Deadening Felt & Roofing). Office: Massillon, O.
PIQUA—American Strawboard Co. (Straw, Combination & Pulp Lined Board, News & Chip Board), Office: Chicago, Ill.
RITTMAN—Ohio Box Board Co. (Box Boards All Grades, Including Patent Coated, Jute, Manila Lined, News Board), Office: Cleveland, O.
ROCKDALE—Sall Mountain Co. (Asbestos Paper & Boards)
SAINT MARYS—Auglaize Box Board Co. (Straw Board, Chip, News, Light Weight Corrugating Paper, etc.)
SANDUSKY—HINDE & DAUCH PAPER CO. (THE) (Test Container Board & Light Strawboard), 253 Water
See adv index at end of book

THE HINDE & DAUCH PAPER CO.
Corrugated Fibre Shipping Boxes and Packing Materials
253 Water St., SANDUSKY, OHIO

STEUBENVILLE—*Hartje Paper Mfg. Co. (Manila, News, Fibres, Carpet Lining, Building Papers, Mill Wrappers, Straw, Chip & Pulp Board, Specialties; No. 1 & No. 2 Waterproof Fibres, Butchers' Fibre, Butchers' Waterproof, Manila & Rosin-Sized Sheathing, also Ground Wood & Sulphite Fibre), Office: Pittsburgh, Pa.
TIPPECANOE CITY—American Straw Board Co. (Steam-Dried Straw Board, Extra Smooth, Match Box Board; Pulp Lined Board), Office: Chicago, Ill.
TOLEDO—Valve Bag Co. of America, 3440-3444 Summit av
See adv index at end of book
URBANA—Howard Paper Co. (Writing, Ledger & Specialty Bond)
WEST CARROLLTON—Miami Paper Co.
West Carrollton Parchment Co. (Vegetable Parchment & Waxed Papers)
XENIA—Hagar Straw Board & Paper Co. (Light Straw Board, Straw Wrapping Tube, Egg Case & Corrugated), Mills, Cedarville, O.

OREGON.

LEBANON—Crown Willamette Paper Co.
OREGON CITY—Hawley Pulp & Paper Co. (Manila, Wrapping & News)
PORTLAND—Madden D. D. & Co., Inc. (Safety Check paper), 287 Farragut
Oregon Pulp & Paper Co. (Wrapping Paper, Apple Wrappers, Tissue, Board & Glassine Paper), North Western Bank bldg
WARRENDALE—*Crown-Willamette Paper)
Office: San Francisco, Cal.
WEST LINN — Crown Willamette Paper Co.

PENNSYLVANIA.

ATGLEN—Hults Ellsworth H., Jr. (Binders, Trunk, Box & Carriage Boards), Office: Phila., Pa.
AUSTIN—Bayless Mfg. Corp. (Pulp Paper)
BLOOMSBURG—Bloomsburg Paper Co.
BRIDGEPORT—Amboy Paper Co.
Diamond State Fibre Co. (Fibre Paper).
BUCK RUN—Nassau Mills Corp.
CHAMBERSBURG—United States Paper Mills.
CHESTER—Chester Paper Co. (Tissue)
Garrett E. & Son Co. (Fine Tissue, Manila, Colored)
CHESTERVILLE—See Landenburg, Pa.
COATESVILLE—Jessup & Moore Paper Co.
DOE RUN—Palmer Willis B. (Binders & Jacquard Boards)
DOWNINGTOWN—Gule Jas. & Sons (Mill (Wrappers)
EAST DOWNINGTOWN—Bicking S. Austin Mfg. Co. (Wrapping, Rosin-Sized Sheathing & Corrguated Wrapping)
Kerr Paper Mill Co. (Box, Binders & Tar Board)
EMIGSVILLE—National Roofing Co. (Roofing)
ERIE—*Hammermill Paper Co. (Bond Paper)
Watson H. F. Co. (Paper, Asbestos, etc.)
GLEN MILLS—Glen Mills Paper Co. (Vegetable Parchment, Music, Fibre & All Rag Specialties). Office: Phila., Pa.
HUNTINGTON MILLS—Mountain Paper Co. (See Wilkes-Barre)
JOHNSONBURG—*Highland Paper Co. (Dry Soda Fibre)
*New York & Pennsylvania Co. (Bond, White & Colored, Machine Finished & Super-Calendered Book, Cover, Envelope, Label, Lithograph, Railroad Manila & Writing, also Bleached Sulphite), Office: New York City
LANDENBERG—Lysle Wilson (Est. of) (Fibre Paper)
LANSDOWNE—Garrett Edwin T. Co. (Tissue, Manila & Railroad Copying)
LATROBE—Barrett Co. (Roofing & Sheathing)
LIGHTSTREET—Bloomsburg Paper Co. (Waterproof, Blasting & Cartridge Paper)
LITITZ—Consumers' Box Board & Paper Co. (Tissues, Sheets & Rolls)
LOCK HAVEN—*New York & Pennsylvania Co. (Bag, Express, Fibre, Hardware, Press Board, Writing Book, Parchment, Cover, Manila, Coating & Specialties, also Soda Fibre), Office: New York City
MODENA—Megargee Paper Mills (All Rag Waterleaf for Parchmentizing & Vulcanizing)
MONONGAHELA—Union Paper Mill Co.
NEW CASTLE—New Castle Paper Mills
NEW HOPE—Union Mills Paper Mfg. Co (Building & Manila Rope for Insulating)
NORRISTOWN—Norristown Magnesia & Asbestos Co. (Asbestos, Wool Felt & Sheathing)
NORTH WATER GAP—*Analomink Paper Co. (Manila, Fibre & Colored Specialties, also Ground Wood & Sulphite Fibre)
PENNSBURG—Perkiomen Paper Co. (Binders, Trunk & Box Boards)
PHILADELPHIA—Baeder Adamson & Co. (Manila for Own Use in Making Sand Paper), Richmond & Allegheny
Cherry River Paper Co. (Manila, White & Colored Specialties; also Sulphite Pulp), Penna. bldg. Mills: Richwood, W. Va.
*Dill & Collins Co. (Book & Surface Coated, High Grade Machine Finish, Super-Calendered Book & Surface Coated Papers for Printing from Half-Tone Engravings, Color Plates, Aluminum & Lithographic Stone), 112 N 12th
Garrett C. S. & Son Co. (Hanging, Card Middles & Fibre, Machine Finished Book), 20 S Marshall
Glen Mills Paper Co. (Vegetable Parchment, Music, Fibre and All Rag Specialties), Drexel bldg. Mills, Glen Mills, Pa.
Jessup & Moore Paper Co. (Book Paper & Soda Fibre), Commercial Trust bldg
Lang John Paper Co. (Roofing, Saturating & Deadening Felts), 24th & Vine
McDowell Paper Mills (Colored & Hercules Fibre, Drug, Book, Bag, Manifold, Heavy & Light Weight Colored Specialties of All Kinds), Main & Levering
Mann Wm. Co. (Railroad Copying & Manifold Papers), 529 Market. Mills, Lambertville, N. J.
Moorhouse R. T. Paper Co. (White & Colored Machine Finished & Super-Calendered Book Colored Cover, Manila Poster, News, Wrapping & Colored Specialties), 2655H Bridge, Bridesburg
*National Metal Edge Box Co. (Jute Folding Box Boards; also Ground Wood), 1217 Callowhill. Mills: Readsboro, Vt.
Parsons Pulp & Lumber Co., Finance bldg. Mills: Parsons, W. Va.
Philadelphia Paper Mfg. Co. (Box Boards), 416 Market
York Haven Paper Co., Land Title bldg. Mills: York Haven, Pa.
PITTSBURGH—Tarentum Paper Mills (Rope & Express Wrapping), 2d National Bank bldg, Mills, Tarentum, Pa.
PITTSTON—Lehigh Paper Mills, Inc.
READING—Reading Paper Mills (Book, Plate, Manila & Rope; Plate & Coated Papers, also Rope Papers for Paper Purposes)
ROARING SPRING—*Bare D. M. Paper Co. (Super-Calendered & Machine Finished Book, Lithograph, White Flats & Mimeograph; also Soda Fibre)
SCRANTON—Cherry River Paper Co., Board of Trade bldg
SPRING GROVE—*Glatfelter P. H. Co. (Machine Finished & Super-Calendered Book & Writing, Label, Bond & Blank Book Papers, Varnish Label Papers, Music, Writing & Blank Book Papers a Specialty; also Soda Fibre)
TARENTUM—Tarentum Paper Mills (Rope & Express Wrapping). Office: Pittsburgh, Pa.

(Continued on following page)

Paper & Pulp Mills—Continued

PENNSYLVANIA—Continued

TYRONE—*West Virginia Pulp & Paper Co. (Super-Calendered & Machine Finished Book, Lithograph & Varnish Label, White Writing, Blank Book Tablet, also Soda Fibre), Office: New York City

UPPER DARBY—Keystone Paper Mills Co.

WILLIAMSBURG—*West Virginia Pulp & Paper Co. (Writing, Book & Specialties, also Soda Fibre), Office: New York City

YORK—Schmidt & Ault Paper Co. (Manila, Sheathing, Carpet Lining & Bogus)
Springets Mills
York Paper Mfg. Co.

YORK HAVEN—*York Haven Paper Co. (Colored Fibre, Light & Dark Express, Waterproof Building, Roofing & Insulating & "X Loid" Prepared Roofing Paper, also Ground Wood & Sulphite Fibre), Office: Phila.

RHODE ISLAND.

PAWTUCKET—National Coated Paper Corp. (Surface Coated Paper, Cardboard, Glazed Paper, etc)

PHILLIPSDALE—Phillipsdale Paper Mill Co. (Roofing Paper)

SOUTH CAROLINA.

HARTSVILLE—*Carolina Fibre Co. (Colored Wrapping & Water Finish Fibre, also Ground Wood & Sulphite Fibre)

TENNESSEE.

MEMPHIS—Tennessee Fibre Co. (Cotton Hull Fibre, Dry), Linden & So. Ry.

TEXAS.

ORANGE—*Yellow Pine Paper Mill Co. (Fibre Hardware, Express, Colored & Bag, also Soda Fibre)

VERMONT.

BELLOWS FALLS—Blake & Higgins (Manila)
*International Paper Co. (News, Manila, Card Boards, Card Middles & Specialties, also Wood & Sulphite Fibre), Office: New York
Moore & Thompson Paper Co. (Manila Wrapping, Railroad Manila, Coating, Envelope & Wax)
Robertson Paper Co. (Envelope Manila, Railroad & Telegraph Writing, Parchment Writing & Waxed Manilas & Tissues, All Grades, Weights & Colors in Waxed Papers, Biscuit, Bakers' & Packers' Papers a Specialty)

BENNINGTON—Bennington Wax Paper Co. (Waxed Paper)

BRATTLEBORO—Vinton Wm. H. & Son (Blotting & Matrix)

EAST RYEGATE—*Ryegate Paper Co (News, also Ground Wood)

FITZDALE—Fitzdale Paper Co. (Newspaper, etc.)

MILTON — *International Paper Co. (Ground Wood)

NEWPORT—*Clyde River Pulp Co.

NORTH BENNINGTON—Stark Paper Co. (Hanging)

PASSUMPSIC—Passumpsic Fibre Leather Co. Leather (Heeling Board)

PUTNEY—Cole Wm. A. Paper Co. (Manila Tissue & "Eagle Mills" Brand of Tissue Toilet)
Robertson's Wm. Sons (White & Colored Tissues, Cotton Batting Paper, Napkin Paper, Fruit & Bottle Wrappers)

READSBORO—*National Metal Edge Box Co. (Jute Folding Box Boards, also Ground Wood), Office. Phila., Pa.

SHELDON SPRINGS—*Missisquoi Pulp & Paper Co. (Ground Wood)

WELLS RIVER—Adams Paper Co. (Manila Tissue, Anti-Tarnish Tissue & Toilet)

WILDER—*International Paper Co. (High Grade News, also Ground Wood) Office: New York City

WILMINGTON — *Deerfield Pulp Co (Ground Wood)

VIRGINIA.

BIG ISLAND—*Bedford Pulp & Paper Co. (Manila, News, Hanging, Drawing & Poster, also Ground Wood), Office: Richmond, Va.

BRISTOL—Columbian Paper Co. (Soda Fibre)

BUENA VISTA—*Columbian Paper Co. (Card for Coating & Lithographing & Flat Writing, also Soda Fibre)

COLEMANS FALLS—Bedford Pulp & Paper Co. (Ground Wood), Office: Richmond, Va.

COVINGTON—*West Virginia Pulp & Paper Co. (Super-Calendered & Machine Finished Book, Lithograph & Varnish Label, also Bleached Sulphite Fibre), Office: New York

HOPEWELL—Stampscott Co.

RICHMOND—Bedford Pulp & Paper Co. (Ground Wood)
Manchester Board & Paper Co. (Box Board & Mill Wrappers)
Richmond Paper Co. (Blotting, "Climax," "Star" & Enameled Blotting)
STANDARD PAPER MFG. CO. (Blotting Paper Only)

WEST POINT—Chesapeake Corp.

WINCHESTER—American Straw Board Co.

WASHINGTON.

CAMAS—Crown Willamette Paper Co.

EVERETT—*Everett Pulp & Paper Co. (Machine Finished & Super-Calendered Book, Varnish Label, Chemical, Railroad Writing, Bond & Cartridge, also Soda Fibre), Office: Lowell, Wash.

PORT ANGELES — *Washington Pulp & Paper Corp. (News Print)

STEILACOOM—Cascade Paper Co.

WEST VIRGINIA.

DAVIS—*West Virginia Pulp & Paper Co. (Bleached Sulphite Fibre), Office: New York City

HALLTOWN—Halltown Paper Board Co. (Chip Boards, Milled, Lined & Plain)

HARPERS FERRY—*Harpers Ferry Paper Co. (Ground Wood)
*Shenandoah Pulp Co. (Ground Wood)

PARSONS—*Parsons Pulp & Lumber Co. (Tag Stock, Silk Wrappers & Specialties, Bleached & Unbleached Sulphites), Office: Phila., Pa.

PIEDMONT—*West Virginia Pulp & Paper Co. (Ground Wood), Office: New York City

RICHWOOD—Cherry River Paper Co. (Manila, White & Colored Fibres & Specialties, also Sulphite), Office: Phila., Pa.

WELLSBURG George S .Co. (Paper & Cement, Flour & Lime Bags)
George & Sherrard Paper Co.
Harvey Paper Co., Rope, Jute & Bogus)

WISCONSIN.

APPLETON—Appleton Coated Paper Co.
Boyd C. Paper Co.
Fox River Paper oC. (Book, Bond, Linens, Lithograph, Typewriter, Superfine & Fine Writing & Engine-Sized Flats, No. 2 Ledger, Map, Drawing, Folded & Rule)
*Interlake Pulp & Paper Co. ("Mitscherlich" Process Sulphite Fibre & Ground Wood)
Kimberly-Clark Co. (Super-Calendered Book Manila & Fibre, Envelope, Writing & Railroad Manila), Office: Neenah, Wis.
*Patten Paper Co., Ltd. (Book & News, also Ground Wod)
Pulp Wood Co.
Riverside Fibre & Paper Co. (Bonds & Ledger, also Bleached & Unbleached Sulphite Fibre)
Thilmany Pulp & Paper Co., Wisconsin Tissue Div. (Light Weight)

ASHLAND—Ashland Paper Co. (Papers)
*Menasha Paper Co. (Sulphite Fibre), Office: Ladysmith, Wis.

BELOIT—Beloit Box Board Co. (Roofing, Building, Box & Straw Board)

BROKAW—*Wausau Poper Mills Co. (All Grades of Fibre & Manila, also Ground Wood & Sulphite Fibre)

COMBINED LOCKS—*Combined Locks Paper Co. (News, also Ground Wood & Sulphite Fibre)

CORNELL—Cornell Wood Products Co. (Wall Boards, etc.)

CRIVITZ—*Crivitig Pulp & Paper Co. (Ground Wood)

DE PERE—American Writing Paper Co. (Writing, Loft-Dried & Machine-Dried Bonds, Linens & Ledgers), Office: Holyoke, Mass.

EAU CLAIRE—*Dells Paper & Pulp Co. (Manila, Fibre, Novel & News, also Ground Wood & Sulphite Fibre)

GRAND RAPIDS—*Centralia Pulp & Water Paper Co. (News, also Ground Wood)
*Consolidated Water Power & Paper Co. (Lining, Novel, Special Print, Hanging, Book, Railroad Writing & Specialties, also Ground Wood & Sulphite Fibre)

GREEN BAY—*Green Bay Paper & Fibre Co. (Sulphite Fibre)
Hoberg John Co. (White, Manila & Colored Tissue, Paper Napkins, Fruit Wrappers, Roll & Package Toilet Paper, Cotton Batting, Excelsior Tissue Pads & Printed Tissues & White Sulphite Fibre Papers)
Northern Paper Mills (Toilet Tissue & Catalogue, Light Weight Book, Sanitary Automobile Toilet Service, "Northern" & "Pedro" Toilet Papers)

KAUKAUNA—*Kaukauna Pulp Co.
*Lindauer Pulp Co. (Ground Wood)
*Outagamie Paper Co. (No. 1 Rag Print, also Ground Wood)
*Thilmany Pulp & Paper Co. (Tissue, Poster, Catalogue, Pattern, Cover & Wrapping, also Ground Wood)
*Union Bag & Paper Corp. (Manila & Bag Paper, also Ground Wood), Office: New York City.

KIMBERLY—*Kimberly-Clark Co. (Book & Wrapping, also Sulphite Fibre), Office: Neenah, Wis.

LADYSMITH—Great Western Paper Co.
*Menasha Paper Co. (News, Manila, Catalogues; also Groundwood)

LITTLE RAPIDS — *Lindauer-O'Connell Co.

MARINETTE—*Marinette & Menominee Paper Co. (News & Minala, also Ground Wood & Sulphite Fibre)

MENASHA—Gilbert Paper Co. (Bond, Ledger & High Grade Writing)
*Island Paper Co. (White & Colored Fibre, also Sulphite Fibre)
Lakeside Paper Co. (High Grade Lightweight Specialties)
Menasha Printing Co. (Paper Mill)
Strange John Paper Co.
Whiting Geo. A. Paper Co. (Book, Colored Laid Writing, Telegraph & Parchment, Manila & Brench Folios, Antique Laid & Egg Shell)

MERRILL—*Grandfather Falls Co. (News, Hanging, Tablet & Novel, also Ground Wood)

MILWAUKEE—Hummel & Downing Co. (Combination Boards), N Cambridge av

MOSINEE—Wausau Sulphate Fibre Co. (Sulphite Fibre)

NEENAH—Bergstrom Paper Co. (Super-Calendered & Machine Finished Book & Cover)
Kimberly-Clark Co. (Colored Fibres, Book, Railroad Manilas & Book)
Lakeside Paper Co.
Neenah Paper Co. (Lofe Dried Bonds & Ledgers)
Wisconsin Pulp Wood Co.
Wisconsin River Paper & Pulp Co.

NEKOOSA—Nekoosa-Edwards Paper Co.

NIAGARA—*Kimberly-Clark Co. (News & Manila, also Ground Wood & Sulphite Fibre), Office: Neenah, Wis.

OCONTO FALLS—*Falls Mfg. Co. (Manila & Fibre, also Ground Wood & Sulphite Fibre)

PARK FALLS—*Flambeau Paper Co. (Hanging, No. 1 News & Novel, also Ground Wood)

PORT EDWARDS — Nekoosa-Edwards Paper Co. (News, Manila & Fibre; also Ground Wood & Sulphite Fibre)

RHINELANDER—*Rhinelander Paper Co. (News, also Ground Wood & Sulphite Fibre)

ROTHSCHILD—Marathon Paper Mills Co. (Fibre Wrapping, Tag, Manila, Bristols, Bonds, Machine Glazed Paper, also Specialties, Ground Wood, Sulphite & Bleached Sulphite Pulp)

SHAWANO—*Wolf River Paper & Fiber Co. (Fibre & Minila Wrapping, also Ground Wood & Sulphite Fibre)

STEVENS POINT—Whiting-Plover Paper Co. (Fine Writing Papers, etc.)
*Wisconsin River Paper & Pulp Co. (News & Hanging, also Ground Wood), Office: Neenah, Wis.

STILES—Edred Anson Co. (Ground Wood)

TOMAHAWK—*Tomahawk Pulp & Paper Co. (Roll News, also Ground Wood)

10739— Papier Mache Mfrs.

Amer. Art Papier Mache Wks., 345 W Austin av, Chicago, Ill.

Decorators' Supply Co., Archer av & Leo, Chicago, Ill.

Dini Geo. L., 483 Baltic, Brooklyn, N. Y.

Emmel Chas. & Rose Co. (Architectural), 383 Albany, Boston, Mass.

Emmel Co. (Architectural), 81 Bristol, Mass.

Klee-Thomson Co., 327 E. 40th, New York

Old King Cole Papier Mache Co. Inc., 920 Market av S, Canton, Ohio

Plastic Relief Mfg. Co., 1959 Fulton, Chicago Ill.

Thurnauer G. M. Co. (Trays), 6 E 20th, New York

Van Malderen F., 5th & Jumonville, Pittsburgh, Pa.

Voigt Co., 1743-1749 N 12th, Phila., Pa.

10739a—*Para-amido-phenol (Base)

Seydel Chemical Co., 86 Front, Jersey City, N. J.

10739a-1—Para-amino-phenol

Chemical Co. of America Inc., 46 Murray, New York

DU PONT E. I. DE NEMOURS & CO., INC., Dyestuffs Dept., Wilmington, Del.
See adv index at end of book

Seydel Chemical Co., 86 Front, Jersey City, N. J.

10739b— Paradichlorbenzol

Dow Chemical Co., Midland, Mich.

Hooker Electro Chemical Co., 25 Pine, New York

Maillilard & Schmiedell (Mfrs. Agts.), 203 California, San Francisco, Cal.

Niagara Alkali Co., Niagara Falls, N. Y.

10739c— Paraform

Roessler & Hasslecher Chemical Co., 709 6th Av., New York
See adv index at end of book

10739d— Paraformaldehyde

Cleveland-Cliffs Iron Co., Rockefeller bldg, Cleveland, O.
Gray Wm. S. & Co., 80 Maiden Lane, New York
Greeff R. W. & Co., 78 Front, New York
Hayden Chemical Works, Garfield, N. J.
Riddle Chemical Co., 35 S Dearborn, Chicago, Ill.
See adv index at end of book

10739e— Paraldehyde

Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park pl, New York
Shawinigan Products Corp. (Commercial), 110 William, New York

10740— Parallels (Planer)

Herlth O. B. Mfg. Co. Inc. ("Herlth" Adjustable), 983 Main, Hartford, Conn.
Starrett L. S. Co. (Adjustable), Athol, Mass.
Walker O. S. Co., Worcester, Mass.

10741— Para-nitraniline

Butterworth Judson Corp., 80 Church, New York
Chemical Co. of America (Mfrs.), 46 Murray, New York
DU PONT E. I. DE NEMOURS & CO., INC., Dyestuffs Dept., Wilmington, Del. Dyestuffs Dept., Wilmington, Del.
See adv index at end of book
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Montcalm Chemical Works, 320 No Illinois,, Indianapolis, Ind.
Sherwin-Williams Co., 610 Canal rd, N W, Cleveland, O.
Seydel Chemical Co., 120 Broadway, New York
White John J., Inc., New Brunswick, N. J.
Williamsburg Chemical Co., 230 Morgan av., Brooklyn, N. Y.

10741a-1—*Para-nitro-chlora-benzene

DU PONT E. I. DE NEMOURS & CO., INC., Dyestuffs Dept., Wilmington, Del.
See adv index at end of book

10741a— Para-nitro-phenol

Verona Chemical Co. Verona av, Newark, N. J.

10741b-1—*Para-nitro-toluene

DU PONT E. I. DE NEMOURS & CO., INC., Dyestuffs Dept., Wilmington, Del.
See adv index at end of book
National Aniline & Chemical Co., Inc., 40 Rector, New York

10741b—Para-phenylene-diamine

Chemical Co. of America (Mfrs.), 46 Murray, New York
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Seydel Chemical Co., 86 Front, Jersey City, N. J.

10741c-1—*Para-toluidine

DU PONT E. I. DE NEMOURS & CO., INC., Dyestuffs Dept., Wilmington, Del.
See adv index at end of book
National Aniline & Chemical Co., Inc., 40 Rector, New York
Seydel Chemical Co., 86 Front, Jersey City, N. J.

10741c— *Parcel Carriers

Estes, E. B. & Sons, 364 Fifth av, New York *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

10742—Parers (Fruit & Vegetable)

See also Apple Paring Machine

American Machinery Co. ("American," Vegetable), 330 N 12th, Phila., Pa.
Berk Bros., 543 B'way, New York
Blakeslee G. S. & Co. ("Blakeslee"), W 19th & S 52nd av, Cicero, Ill.
Boutell Mfg. Co., Rochester N. Y.
Brown W. G. Mfg. Co., Kingston, N. Y.
Central Stamping Co. (Apple), 206 B'way, New York
Getz M. & Co., 162 First, San Francisco, Cal.
Goodell Co. ("Bonanza," "Dandy," "Ranger," "Eureka," "Power," "New Century," "White Mountain," "98 Turntable," "Lightning," "Bay State"), Antrim, N. H.
Hamblin & Russell Mfg. Co. ("O. K.," "Quick," "Universal" for Apples, Potatoes, etc.), Worcester, Mass.
Houchin Thos. W. Co., 393 Broadway, New York
Hudson Parer Co. ("Little Star," "Rocking," "Daisy"), Leominster, Mass.
Kelso & Co. (Apple, etc.), 559 W Quincy, Chicago, Ill.
Parker Wire Goods Co. (Hand, Apple, Potato, etc.), Worcester, Mass.
Penn Hardware Co. ("Pen-Perfect" Apple), Reading, Pa.
Premier Machinery Co., Oakland, Cal.
Reinbold Mfg. Co., 693 E Palmer, Detroit, Mich.
Sayre L. A. Co. (Apple & Peach Rotary Knife), 332 Mulberry, Newark, N. J.
White Ira F. & Son Co. ("California," Potato, etc., with Eye Extractor), Bloomfield, N. J.

10743— Parers (Hoof)

Brooklyn Tool Co., Brooklyn, Ind.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Champion Tool Co. ("Champion," "Our Pride" Ball Bearing), Meadville, Pa.
Heller Bros. Co. ("Easy Cutting," etc.), 879 Mt. Prospect av, Newark, N. J.
Jones Eli & Sons ("Jones"), Luverne, Minn.
Leavitt Mfg. Co. ("Samson"), Urbana, Ill.
Lowe Mfg. Co. ("Wagner & Lowe"), Enderlin, N. D.
Smith & Hemenway Co., Inc. ("Red Devil"), 261 Broadway, New York & 130H Colt, Irvington, N. J.
See adv index at end of book
Stearns E. C. & Co., 450 Oneida, Syracuse, N. Y.

Paris Black

See Carbon Black Mfrs.

10744— Paris Green

Barry E. J. (Jobbers), 54 Fulton, New York
Corona Chemical Co., 213 Lake, Milwaukee, Wis.
Devoe & Raynolds Co., Inc., 101 Fulton, New York
Dodge H. B. & Co., 332 S Michigan av, Chicago, Ill.
Fergusson Alex. C. Jr., Chestnut, Phila., Pa. *See adv index at end of book*
Glidden Co., Madison av & Berea rd, Cleveland, O.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg., Cleveland, O.
See adv index at end of book
Lavanburg Fred L., 100 William, New York
Leggett & Bros., 301 Pearl, New York
Pfeiffer Color Co., 99 John, New York
RIDDLE CHEMICAL CO., 35 S Dearborn, Chicago, Ill.
See adv index at end of book

Paris White

See Whiting & Paris White Mfrs.

Park Furniture

See Settees, Various Kinds: also Fountains, Vases, Etc, also Rustic Work; also Swings, Lawn

10744a—*Parker Floor Varnish

See also Floor Finish

Cook Furniture & Equipment Co., 919 Commercial Trust bldg, Phila., Pa.
Parker C. H. Co., Valparaiso, Ind.
See adv index at end of book

10744b—Partitions (Fire-proof)

NATIONAL FIREPROOFING CO., 1100 Fulton bldg, Pittsburgh, Pa.
See adv index at end of book

Partitions (Flexible)

See Partitions, Wood Rolling

10744c—*Partitions (Folding)

Perkins Mfg. Co., 1821 University av, St. Paul, Minn.
See adv index at end of book
UNION BLIND & LADDER CO. INC. ("Acme" wood rolling), 3535 Peralta, Oakland, Cal.
See adv index at end of book

10745— *Partitions (Reinforcing Materials for)

Concrete Steel Co., 42 B'way, New York
KINNEAR MFG. CO., 716-766 Field av, Columbus, O. *See adv index at end of book*

10746— Partitions (Steel)

Amos Chas. & Co., Inc., 2990-3000 Hart av, Detroit, Mich.
Art Metal Construction Co. (Cage), Jamestown, N. Y.
Bogert & Carlough Co. ("Boca" Iron & Glass), Railroad av & Straight, Paterson, N. J.
Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Central Metal Products Corp., Canton, Ohio
Cyclone Fence Co., Waukegon, Ill.
DAHLSTROM METALLIC DOOR CO. (Hollow Metal "Dahlstrom" Quality, Artistically Finished, Sanitary & Fireproof), 413 Buffalo, Jamestown, N. Y.
See adv index at end of book
Detroit Steel Products Co., 2250 E Grand blvd, Detroit, Mich.
Dexter Metal Mfg. Co. (Tool Room), 93 Arch, Camden, N. J.
Dow Co., 201H N Buchanon, Louisville, Ky.
Empire Steel Partition Co., 3d av & 11th, College Point, N. Y.
Expanded Metal Safety Guard Co., 14th & Vernon av, Long Island City, N. Y.
Fiat Metal Mfg. Co., Roscoe & Racine, Chicago, Ill.
Hart & Hutchinson Co., Corbin av, New Britain, Conn.
Hauserman E. F. Co., Fenestra bldg, Cleveland, O.
Hughes-Keenen Co. (Pressed Steel Toilet Partitions), Mansfield, O.
Lupton's David Sons Co., Allegheny Av. and Tulip, Phila., Pa.
See adv at Shelving Steel
Lyon Metallic Mfg. Co. ("Lyon" Sectional Enclosure), Aurora, Ill.
Marshall Blow Pipe Co., 7431 Dubois, Detroit, Mich.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Mills Co. (The), ("Factrequipment"), 5322 St. Clair av, Cleveland, O.
See adv index at end of book

Skylights Shelving
MILLS METAL
PARTITIONS OFFICE—FACTORY TOILET
THE MILLS COMPANY, Cleveland, O.

Perkins Mfg. Co., 1821 University av, St. Paul, Minn. *See adv index at end of book*
Pomeroy S. H. Co., Inc., 282-96 E. 134th, New York
Sanymetal Products Co., 978H E 64th, Cleveland, O.
Solar Metal Products (Inc.), Columbus, O.
Tyler W. S. Co. (Also Wire), Cleveland, O.
See adv index at end of book
Wagner J. F. Sons Co., 1145 S 7th, Louisville, Ky.
Watson Mfg. Co., Jamestown, N. Y.
Weis Henry Cornice Co., Kansas City, Mo.
Wilson J. G. Corp., 11 E 36th, New York

10747—Partitions (Steel Rolling)

Dodge H. B. & Co., 332 S Michigan av, Chicago, Ill.
Empire Steel Partition Co., 3d av & 11th, College Point, N. Y.
KINNEAR MFG. CO., 716-766 Field av, Columbus, O. *See adv index at end of book*
Perkins Mfg. Co., 1821 University av, St. Paul, Minn. *See adv index at end of book*
Variety Fire Door Co. Inc., 2958H Carroll av, Chicago, Ill.
Wilson J. G. Corp., 8 W 40th, New York

10748—Partitions (Stock Room)

Cyclone Fence Co., Waukegan, Ill.
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Dow Co., 201H N Buchanon, Louisville, Ky.
Dufur & Co., 311 N Howard, Baltimore, Md.
Estey Bros. Co. (Wire), 270 Union av. Brooklyn, N. Y.
Expanded Metal Safety Guard Co., 14th & Vernon av, Long Island City, N. Y.
Knapp Fence Co., 152 E 134th, Cleveland, O.
Lyon Metallic Mfg. Co. ("Lyon" Steel), Aurora, Ill.
Mills Co. (The) ("Factrequipment"), 5322 St. Clair av, Cleveland, O.
See adv index at end of book
Shawmut Iron & Wire Works, Everett Mass.
Wrobbel-Maine Co., The, 3106 E 63rd, Cleveland, O.

10748a— Partitions (Toilet)

Hart & Hutchinson Co. ("H. & H." Steel), New Britain, Conn.
Manufacturing Equipt. & Engng. Co. (Steel), Framingham, Mass.
Vitrolite Co., Chamber of Commerce, Chicago, Ill.
Wis. Iron & Wire Wks., 1660H Booth, Milwaukee, Wis.

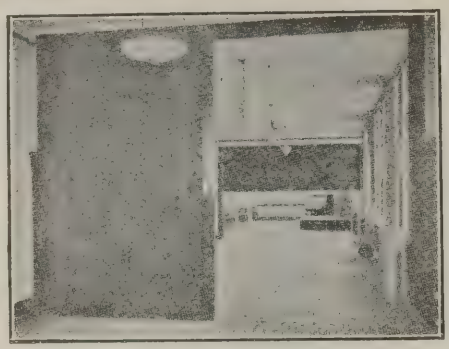
10748b— Partitions (Tool Room)

Barnes Wire Fence Co., 1930 Ferry Pk. av, Detroit, Mich.
Barnum E. T. Iron & Wire Wks., 4612 Woodward av, Detroit, Mich.
Estey Bros. Co. (Wire), 270 Union av, Brooklyn, N. Y.
Expanded Metal Safety Guard Co., 14th & Vernon av, Long Island City, N. Y.
Perkins Mfg. Co., 1821 University av, St Paul, Minn. *See adv index at end of book*

10748c— Partitions (Wire)

Acme Fancy Wire Wks., Dept. H, Canfield & Morgan, Detroit, Mich.
Badger Wire & Iron Works, 25th av & Cleveland, Milwaukee, Wis.
Barnes Wire Fence Co., 1930 Ferry Pk. av, Detroit, Mich.

(Continued on following page)



VERTICAL TYPE

ACME ROLLING WOOD PARTITIONS

Horizontal—Vertical

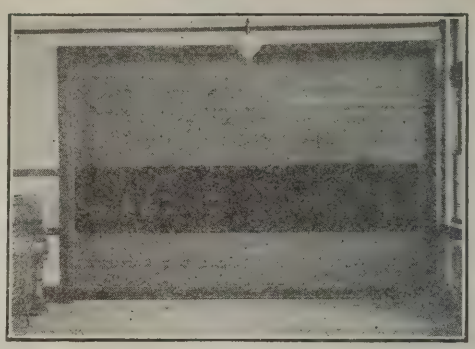
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Partitions (Wire)—Continued

Barnum E. T. Wire & Iron Works, 501-23 Cass av, Detroit, Mich.
DARBY EDWARD J. & SON ("Pennsylvania" Wire Mesh Partitions standardized for Stock Rooms, Tool Rooms, Locker Rooms, Offices, etc. Write for complete folder), 319 Vine, Phila., Pa.
See adv index at end of book
Dow Co. (& Sectional), 201H N Buchanon, Louisville, Ky.
Dufur & Co., 311 N Howard, Baltimore, Md.
Estey Bros. Co., 270 Union av, Brooklyn, N. Y.
Expanded Metal Safety Guard Co., 14th & Vernon av, Long Island City, N. Y.
MEYERS FRED J. MFG. CO., Hamilton, O.
Perkins Mfg. Co., 1821 University av, St. Paul, Minn. *See adv index at end of book*
Smith T. S., 269 Pearl, New York
Syracuse Wire Works, 101 University av, Syracuse, N. Y.
Tyler W. S. Co., Cleveland, O.
See adv index at end of book
West Coast Wire & Iron Works, 861 Howard, San Francisco, Cal.
Wisconsin Iron & Wire Wks., Milwaukee, Wis.

10749—Partitions (Wood, Rolling)

American Sash & Door Co., 16th & Bellefontaine, Kansas City, Mo.
Curtis Bros. & Co., Clinton, Ia.
Expanded Metal Safety Guard Co., 14th & Vernon av, Long Island City, N. Y.
Grant Pulley & Hardware Co. (Horizontal), 101 Park av, New York
Huttig Sash & Door Co., 1206 S Vandeventer av, St. Louis, Mo.
Kinnear Mfg. Co., 716-766 Field av, Columbus, O. *See adv index at end of book*
Monroe Screen Blind & Partition Co ("Monroe" Improved), Lima, O.
UNION BLIND & LADDER CO. ("Acme" wood rolling), 3535 Peralta, Oakland, Cal.
See adv index at end of book
Wilson J. G. Corp., 11 E 36th, New York

10750—Parts (Adding Machine)

Nichols W. H., Waltham, Mass.

10751— Paste

See also Soldering Paste, Salts & Sticks
Amer. Hominy Co. (Dry), 1857 Gent. av, Indianapolis, Ind.
American Printers' Roller Co., 314 W Grand av, Chicago, Ill.
Arabol Mfg. Co. ("Tinol" Bottlers, Canners, etc), 110 E 42nd, New York
Atlas Supply Co., 4537 High, Phila., Pa.
Bankers' Ink Co. (Library), 114 N 5th, Kansas City, Mo.
Behrend F., 170 Front, New York
Bloede Victor G. Co. (Paper Box), Caton av, Baltimore, Md.
Boston Paste Co. ("Noah's" Machine Paste), 82 Haverhill, Boston, Mass.
Bradley A. J. Mfg. Co. (Stencil & Marking), 101 Beekman, New York
Buckeye Paste Co. (Carriage Trimmers), 270 S Wall, Columbus, O.
Carter's Ink Co. ("Cico" Liquid, Office), E Cambridge, Boston, Mass.
Chapman & Smith Co. (Almond), 1017 Washington blvd, Chicago, Ill.
Clark Paper Mfg. Co. ("Tixet" Powdered, Liquid, etc.), Dept. H, Rochester, N. Y.
Climax Cleaner Mfg. Co., 2080 W 110th, Cleveland, O.
Commercial Paste Co., 504 Buttles, Hoster & High, Columbus, Ohio
Continental Mfg. Co. ("Willstick," Photographers "Continental" Brewers), 4611 Girard, Phila., Pa.
Davis Wm. A. Co. ("U. S. Treasury" Library), 40 Batterymarch, Boston, Mass.
Devoe & Raynolds Co. Inc. (Photographers), 101 Fulton, New York
Diamond Ink Co. (Office), 192 E Water, Milwaukee, Wis.
Edwards H. Mfg. Co. ("Edwards"), 20 Natoma, San Francisco, Cal.
Ernecke Salmstein Co. ("Chica", "Esco"), 944 North av, Chicago, Ill.
Fort Pitt Oil & Paint Co. (Anti-Rust), 3206 Penn, Pittsburgh, Pa.
FOX M. EWING CO., ("Foxpaste," in Dry Powder Form), 241 E 136th, New York
General Adhesive Mfg. Co., Inc. (Machine Label), 469 Greenwich, New York.
Glucol Mfg. Co., 2518 B'way, Cleveland, O.
Hercules Glue Co., 333 Folsom, San Francisco, Cal.
Higgins Chas. M. & Co. (Office), 271 9th, Brooklyn, N. Y.
Indianapolis Paste Co., Indianapolis, Ind.
Ink Ribbon Mfg. Co. ("Wetstick"), 635 Howard, San Francisco, Cal.
Keller Robt. Ink Co. (Office), 1441 Bklyn., Detroit, Mich.
Levison & Blythe Mfg. Co. (Library), 209 Locust, St. Louis, Mo.
Matthews Jas. H. & Co. (Stencil), 3942 Forbes, Pittsburgh, Pa.
See adv index at end of book
Michigan Paste & Mfg. Co. ("Perfection"), 2351 Fort W, Detroit, Mich.
Montebello Ink Co., 630 Clay, San Francisco, Cal.
National Gum & Mica Co. ("Yankee" Cold Water Paste Powder), 59th & 11th av, New York
National Insulating & Mfg. Co. ("Holdfast"), Indianapolis, Ind.
Northwest Chemical & School Supply Co. ("Mephisto"), E 724 Sprague av, Spokane, Wash.
Patent Cereals Co. ("Rex" Dry), Geneva, N. Y.
Pawtucket Mordant Co. (Textile Finishing), Pawtucket, R. I.
Pecora Paint Co., 4th & Sedgley av, Phila., Pa.
Phoenix Chemical Co., 2804 16th. San Francisco, Cal.
Pomeroy Ink Mfg. Co., 55 E Park, Newark, N. J.
Providence Drysalters Co. (Textile Finishing), 86 Weybosset, Providence, R. I.
Works: East Greenwich, R. I.
Quill & Co., 436 Aberdeen, Chicago, Ill.
St. Louis Glue Mfg. Co., 2125 Division, St. Louis, Mo.
Sanford Mfg. Co. ("Sanford," Office & Library), Congress & Peoria, Chicago, Ill.
Schmeer's Paper Box Co. ("Syracuse"), Syracuse, N. Y.
Schweitzer Samuel (Flour), 660 W Lake, Chicago, Ill.
Silberstein A. L. (Razor), 600 W 157th, New York
Stafford S. S. (Library), 609 Washington, New York
Starbuck R. M. & Sons (Plumbers), Hartford, Conn.
Swearingen J. C. Ink Co. (Library), 222 Wick, Pittsburgh, Pa.
Tacks Mfg. Co. (Bottlers, etc), Utica, N. Y.
Truscon Laboratories ("Truscon"), Caniff & G. T. R. R., Detroit, Mich.
Weil Samuel & Son, 194 Franklin, New York
WEIS MFG. CO. (Brush & Tube), Monroe, Mich.
See adv index at end of book
Williamson Glue & Gum Wks. (Vegetable), 220 W Huron, Chicago, Ill.
Wood & Selick (Almond), 36 Hudson, New York
Woodmansee F. A. ("Woodmansee." Office & Library), 117 E Pearl, Cincinnati, O.

10751a— Paste (Adhesive)

Arabol Mfg. Co., 110 E 42nd, New York
Clark Paper Mfg. Co., Rochester, N. Y.
National Gum & Mica Co., 59th & 11th av, New York

10752— Paste (Calking)

Asbestos Products Co. ("Triangle Brand"), E 1202 Sprague av, Spokane, Wash.
Weatherproof Calking Co. ("Hennen's" Elastic, for Calking Windows, etc in Houses), Minneapolis, Minn.

10753-4—Paste (Canners, etc.)

Arabol Mfg. Co. (Paste Powder & Tinnol Paste), 110 E 42nd, New York
Burt Machine Co., 403 E. Oliver, Baltimore, Md.
Clark Paper Mfg. Co., Rochester, N. Y.
Continental Mfg. Co. ("Continental"), 4611 Girard, Phila., Pa.
Indianapolis Paste Co., Indianapolis, Ind.
National Gum & Mica Co., 59th & 11th av, New York
Patent Cereals Co. ("Rex"), Geneva, N. Y.
Schweitzer Samuel, 660 W Lake, Chicago, Ill.
Stricker Henry H. & Co., 604 W Pratt, Baltimore, Md.
Tacks Mfg. Co., Utica, N. Y.

10755—Paste (Carriage Trimmers')

Buckeye Paste Co., 270 S Wall, Columbus, O.

10756— Paste (Emery)

Barker Bros., Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
Buchannan Thos. Co., 114 W Pearl, Cincinnati, Ohio
See adv index at end of book
Burns E. Reed, 27 Jackson, Brooklyn, N. Y.
Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Jackson Mills Co., Easton, Pa.
Munning A. P. & Co., Mattawan, N. J.

10757— Paste (Library)

Clark Paper Mfg. Co. ("Tixit"), Dept. H, Rochester. N. Y.
Higgins Chas. M. & Co., 271 9th, Bklyn., N. Y.
Dennison Mfg Co., S. Framingham, Mass.
National Gum & Mica Co., 59th & 11th av, New York.

10758— Paste (Pipe Joint)

Hosmer G. A. Co., 601 Northland av, Buffalo, N. Y.
Thread-Tight Co., 288 Bowery, New York

10759-60-1—Paste (Plumbers')

Levison & Blythe Mfg. Co., 209H Locust, St. Louis, Mo.
Starbuck R. M. & Sons, Hartford, Conn.

Paste (Soldering)

See Soldering Flux, Paste, etc.

10762—Pasteurizers (Milk, Etc.)

Burrell D. H. & Co., Inc. ("Burrell-Simplex"), Little Falls, N. Y.
Climax Machinery Co., 143 E Morris, Indianapolis, Ind.
Creamery Package Mfg. Co. ("Wizard"), 61 W Kinzie, Chicago, Ill.
Cherry J. G. Co., Cedar Rapids, Ia.
Davis-Watkins Dairymen's Mfg. Co. ("Commercial" Centrifugal), Dept. H, North Chicago, Illl.
Jensen Creamery Machy. Co., Nelson & Locust av, Bloomfield, N. J.

Kauffman Pasteurizer Co., Three Rivers Mich.
Krenz Oscar Copper & Brass Wks., 612 Bryant, San Francisco, Cal.
Ladd John W. Co. (For Milk), 2016H W Lafayette, Detroit, Mich.
Ladewig Stock Co., Waukesha, Wis.
Miller Pasteurizing Machine Co., Canton, Ohio
Mohr John & Sons, 96th & Calumet River, Chicago, Ill.
U. S. Bottlers' Machinery Co. ("U. S.," "Ideal" for Catsup, Tomato Pulp, etc.), 2511 Park av, Chicago, Ill.

10763—Pasteurizers (Portable)

Krenz Oscar Copper & Brass Wks., 612H Bryant, San Francisco, Cal.
U. S. Bottlers' Machinery Co. ("U. S.," "Ideal" for Catsup, Tomato Pulp, etc), 4015 N Rockwell, Chicago, Ill.

10764— Patches (Tube)

Acana Co. ("Acana" Cold), 613 W Market, Louisville, Ky.
Boyle John Jr., 801 G, N W, Washington, D. C.
Empire Tire & Rubber Co. ("Empire"), Trenton, N. J.
Keystone Rubber Mfg. Co. (Rubber, no cement), Erie, Pa.
Las-Stik Patch Mfg. Co. ("Las Stik"), Hamilton, Ohio
Peerless Products Co., 63 McAllister, San Francisco, Cal.
Phoenix Laboratories ("A-Pache"), 702H Polk, San Francisco, Cal.
Polson W. J. Co. ("W. J. Polsons" Blow Out), 18th & Indiana av, Kansas City, Mo.
Sta-Stuk Co., 139 S. Vermont, Los Angeles, Cal.
Universal Patch Co., 724 S San Pedro, Los Angeles, Cal.
Vulca Laboratories ("Vulca Patch"), 143 2d, San Francisco, Cal.

10765— Patent Attorneys

Bilyen Thos., Stevens bldg, Portland, Ore.
Brandenburg E. T., 902 F N W, Washington, D. C.
Evans & Co. Victor J., 724 Ninth N W, Washington, D. C.
See adv index at end of book

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HILLS CHAS. W., 1523-33 Monadnock bldg, Chicago, Ill.
Hines C. C., Washington Loan & Trust bldg, Washington, D. C.
Johnson Lincoln V., 57 Post, San Francisco, Cal.
Kimmel Geo. P., 517 Wash. Loan & Trust bldg, Washington, D. C.
Lacey & Lacey, 639H F, N W, Washington, D. C.
Lancaster & Allwine, 403 Oway bldg, Washington D. C.
MASON FENWICK & LAWRENCE, 600 F, N W, Washington, D. C.
Mida's Trade Mark & Patent Bureau, H, Ellsworth bldg, Chicago, Ill.
Parker C. L., 903 G, N W, Washington, D. C.
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Smith H. E., 333 Riverside av, Spokane, Wash.
Swift D. & Co., 303 7th, Washington, D. C.
Willson & Co., H. B., 711 8th, Washington, D. C.

10766— *Patented Articles

Myer-Moran Co., 522-24 East, Baltimore, Md.
See adv index at end of book
Zelnicker Walter Supply Co. (Dealer), 325 Locust, St. Louis, Mo.

10766a— *Patents

FISHER ADAM MFG. CO., No. 503, St. Louis, Mo.
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10767—Pattern Makers' Supplies

Brodin Pattern & Supply Works, 2420 W 16th, Chicago, Ill.
Bryan Pattern & Mach. Co., Bryan, O.
Butler A. G. Inc., 158 Chambers, New York

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Kindt-Collins Co., 1030 St. Clair av, Cleveland, O.
Oliver Machinery Co., Grand Rapids, Mich.
Paxson J. W. Co., 1021 N Delaware av, Phila., Pa.
Timmis & Clissold, Bound Brook, N. J.
Weliman Products Co., 1444 E 49th, Cleveland, O.
Winter, Martin, 216 W 18th, New York
Woodison E. J. Co., 7415 St. Aubin av, Detroit, Mich.

Pattern Plates

See Plates, Match

10768— Patterns (Metal)

See also Patterns & Models

Auburn Foundry Corp., Auburn, Ind.
Baker H. J. & Co., 101 N Jefferson, Chicago, Ill.
Barkay Co., Inc., 26 Institute, Jamestown, N. Y.
See adv index at end of book
Barum S. H., New Haven, Conn.
Bethlehem Shipbuilding Corporation Ltd. (Miscellaneous), Bethlehem, Pa.
Boettcher Pattern Co., 442 Peoria, Chicago, Ill.
Brost Pattern Wks., 1276 E 55th, Cleveland, O.
Bryan Pattern & Mach. Co., Bryan, O.
Champion Foundry & Machine Co., 2419 W 14th, Chicago, Ill.
CLEVELAND CASTINGS PATTERN CO., 1930 E 61st, Cleveland, O.
Commercial Model Machine Shop, 122 S Clark, Chicago, Ill.
Continental Machine Works, Oakland, Cal.
Corbett-Steeves Pattern Works (Foundry), Rochester, N. Y.
Economy Pattern Wks. & Mfg. Co., 2264 E 15th, Los Angeles, Cal.
Farrar & Trefts, Inc., Buffalo, N. Y.
Futrell Coupler Co., Inc., Streator, Ill.
GERDES & CO. INC., 42 Church, New York
See adv index at end of book
Hess & Sackett, Inc. (Aluminum), 601 W Belgrave av, Huntington Park, Cal.
Hines Pattern & Mfg. Co., 10103 Detroit, Cleveland, O.
Kimball F. J. Co., Inc., 1860 E 15th, Los Angeles, Cal.
Lebanon Gear & Machine Works, Lebanon, Pa.
Monarch Pattern Wks., 1426 Russel, Detroit, Mich.
Motor Patterns Co., E 61st & Waterman, Cleveland, Ohio
Nicholls Wm. H. Co., Inc., 2 College pl, Brooklyn, N. Y.
Nobach W. J. Pattern Works, 411-413 S Clinton, Chicago, Ill.
San Diego Machine Co., San Diego, Cal.
Scherer Wm. Mfg. Co., 1334 E 40th, Cleveland, O.
SPRINGFIELD ALUMINUM PLATE & CASTINGS CO., Springfield, Ohio
Standard Pattern Works, 5332 St. Clair av, Cleveland, O.
Sutton-Abramsen Engineering Co., 1309 Park bldg, Pittsburgh, Pa.
Wallace J. D. & Co., 1401 W Jackson blvd, Chicago, Ill.
Withers Foundry & Machine Works, Atlanta, Ga.
Youngstown Pattern Wks., Youngstown, O.

10769— Patterns (Shoe)

Bourque & Sears, Haverhill, Mass.
Brown & Hutchinson, Haverhill, Mass.
Hayden Samuel H., Haverhill, Mass.
Holden & Quick, 120 Centre, New York
Olden's Geoffrey J. Son, 16 Spruce, New York
Plumstead Harry T., Haverhill, Mass.

10770— Patterns & Models

Acme Pattern Works (Wood & Metal), 52 Porter, Detroit, Mich.
Acme Pattern & Machine Co., 1553 Niagara, Buffalo, N. Y.
Acme Steel & Malleable Iron Works, 245 Military rd, Buffalo, N. Y.
Adamson Machine Co., Akron, O.
Allen Geo. R. (Metal or Wooden, for Machine & Casting Works, 1214 Chestnut, Phila., Pa.
Allison R. W., Dayton, O.
American Pattern Foundry & Machinery Co., 82 Church, New York
American Pattern Mfg. Co., Youngstown, O.
Anderson Eric J., Hartford, Conn.
Austin F. A. Pattern Co., Syracuse, N. Y.
Baker H. J. & Co., 101 N Jefferson, Chicago, Ill.
Baker James M. (Wood), 114 W Exchange, Providence, R. I.
Barth Mfg. Co. (Metal), Milwaukee, Wis.
Barum S. H. (Wood), New Haven, Conn.
Bascom & Co. (Wood & Iron for Stoves & Heaters, also Machy. Patterns & Match Plates), Troy, N. Y.
Beach Fred F. (Wood & Metal), 105 Brooklawn, Bridgeport, Conn.
Belcher Malleable Iron Co. (Metal), Easton, Mass.
Bemis A. L., 72 Commercial, Worcester, Mass.
Bethlehem Shipbuilding Corporation Ltd. (Wood for Various Purposes), Bethlehem, Pa.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Bisch & Salzmann, 1837 E 16th, Los Angeles, Cal.
Blair Tool & Machine Works, 521 Greenwich, New York
Bogert & Hopper, Inc. (Wood for Various Purposes), 57 Barclay, New York
See adv index at end of book
Bosworth-Ard Machine & Foundry Co., Anniston, Ala.
Bridgeport Pattern & Model Co., Remer, Bridgeport, Conn.
Brost Pattern Works (Wood & Metal), 1276 E 55th, Cleveland, O.
Bryan Pattern & Mach. Co., Bryan, O.

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Buffalo Gear & Pattern Works (Gear Patterns Cut by Machinery), 18 Elk, Buffalo, N. Y.
Buffalo Pattern Works (Wood & Metal Patterns), 830 Hertel av, Buffalo, N. Y.
Butt Herbert G., 352 Atlantic av, Boston, Mass.
Cahill W. S. Co., Key Highway & Webster, Baltimore, Md.
Canton Malleable Iron Co. (Brass), Canton, O.
Canton Pattern & Mfg. Co. The (Metal & Wood), Andrew pl & W L E R R S W, Canton, Ohio
Carley C. R. (Patterns), 318 E Water, Syracuse, N. Y.
Carolus Mfg. Co., Sterling, Ill.
Central Machine Wks. Co. (Patterns), 1234 Central av, Minneapolis, Minn.
Cincinnati Pattern Works (Wood & Metal), Front & Lawrence, Cincinnati, O.
Cleveland Castings Pattern Co. (Wood & Metal), 1930 E 61st, Cleveland, O.

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Cleveland Metal Pattern Co. (Metal Patterns), 728 Frankfort av, Cleveland, O.
Cleveland Punch & Shear Works Co., 3917 St. Clair av, N E, Cleveland, O.
See adv index at end of book
Clyne R. G. Engineering Co., 12th & Taylor, St. Louis, Mo.
Cohoes Iron Foundry & Machine Co., Cohoes, N. Y.
Collamer Machine Works, 1620 Collamer, Cleveland, Ohio
Colson F. A. Pattern Works (Wood & Metal), 91 Main, Buffalo, N. Y.

(Continued on following page)

Patterns & Models—Continued

Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.
Commercial Model Machine Shop, 122 S Clark, Chicago, Ill.
Davison, Namack Foundry Co. (Wood & Metal), Ballston Spa, N. Y.
Detlaff A. J. Co., 121 E Lafayette, Detroit, Mich.
Detroit Pattern Works, 9 W Woolbridge, Detroit, Mich.
Dixie Brass & Foundry Co., Birmingham, Ala.
Duemer Louis, Hamilton, Ohio
Economy Pattern Wks. & Mfg. Co., 2264 E 15th, Los Angeles, Cal.
Ellison Brass Mfg. Co., Jamestown, N. Y.
Elmes Chas. F. Engineering Works Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Emmel Co., 81 Bristol, Boston, Mass.
Estes E. B. & Sons (Wood for Various Purposes), 364 5th av, New York
See adv index at end of book
Elnon-Evans Mfg. Co. (Patterns Only), N 15th & Clearfield, Phila., Pa.
Farrar & Trefts, Inc., Buffalo, N. Y.
Flint Electric & Mfg. Co., Denver, Colo.
Forster John G., 148 S Delaware, Indianapolis, Ind.
Frankham Wm. Brass & Bronze Works, (Metal), Canton, O.
Freeman Pattern Supply & Mfg. Co., Toledo, O.
Frisch Bros., Wilmington, Del.
Fritz Geo. E., 4 Howard, New York
Fritz Geo. J. Fdry. & Mach. Co. (Wood Patterns), 2018 3d, St. Louis, Mo.
G. & O. Pattern Works (Wood & Metal), 754 S Pierce, Milwaukee, Wis.
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Gard Pattern Co. (Patterns Only), 929 Lawrence, Denver, Colo.
Garvis Benj. E., 113-115 Mechanic, Newark, N. J.
Gem City Pattern Works (Wood & Metal), Dayton, O.
General Pattern & Model Co., 215 Centre, New York
GERDES & CO., 42 Church, New York
See adv index at end of book
Gillie Machine Co. (Wood & Metal), Tonawanda, N. Y.
Globe Malleable Iron & Steel Co., 101 Greenway av, Syracuse, N. Y.
Goodwin-Bradley Pattern Co. (Wood and Metal Patterns), 214 Oxford, Providence, R. I.
Greenberg's M. & Son, Folsom & Alice, San Francisco, Cal.
Hanson Clutch & Machy. Co., Tiffin, O.
Hartmann-Malcolm Co., 847 N Troy, Chicago, Ill.
Hines Pattern & Mfg. Co. (Hygrade Wood & Metal), 10108 Detroit, Cleveland, O.
Hoeft & Co. (Metal), 1600 W Kinzie, Chicago, Ill.
Huetter Machine & Tool Co., 545 Kentucky av, Indianapolis, Ind.
Huse W. D. & Sons, Laconia, N. H.
Indicating Calipers Corp., 506 E 19th, New York
See adv index at end of book
Jarvis Joseph T., 73 Haverhill, Boston, Mass.
Jessup Stephen C. Pattern Works (Wood & Metal), Salem, O.
John's Stamping & Machine Works Co., 1715 Leonard, Cleveland, O.
Johnston Pattern Co. (Wood), 820 Rex av S E, Canton, O.
Jurack Chas. (Wood & Metal), 201 Oregon, Milwaukee, Wis.
Kidder R. E. Co. (All Sizes), Worcester, Mass.
Kimball F. J. Co., Inc., 1860 E 15th, Los Angeles, Cal.
Krone Kreutz F Co. (Models), 204 1st, San Francisco, Cal.
Lancaster Structural & Foundry Wks. (Wood), Lancaster, Pa.
Lavelle Foundry Co., Anderson, Ind.
Leetsdale Fdry. & Mfg. Co. (Wood & Metal), Leetsdale, Pa.
Levi Benjamin, 355 W B'way, New York
Liberty Gauge & Instrument Co., 6545 Carnegie av, Cleveland, O.
Lipe, W. C., Syracuse, N. Y.
Loeffelholz Co. (Brass), Milwaukee, Wis.
Logan Edw. Machine Co., Trenton, N. J.
Loshbough-Jordan Tool & Machine Co., Elkhart, Ind.
Lutz Co. Inc., Dept. H, Morris & Bambrey, Phila., Pa.
M. & N. Pattern & Model Works (Architectural & Ornamental), 448 N Halsted, Chicago, Ill.
McClure John C. (Wood), 21 Hackett, Newark, N. J.
McFarland Foundry & Machine Co., Trenton, N. J.
McNamara-Koster Foundry Co. (Patterns & Models), Indianapolis, Ind.
Mahoming Pattern Co. (All Kinds of Patterns), Youngstown, O.
Mansfield Pattern Works, Mansfield, O.
Maryland Metal Products Co., Hagerstown, Md.
Merafelder's W. L. Pattern Works (Metal & Wood), Lawrence & Friendship, 219 Butler, Cincinnati, O.
Michigan Pattern & Machine Works, 8431 Jefferson av E, Detroit, Mich.
Modern Pattern Co. (Wood & Metal), 150 Clinton, Milwaukee, Wis.
Modern Pattern Co., Springfield, Ohio
Monarch Pattern Wks (Metal & Wood), 1426 Russel, Detroit, Mich.
Morner & Smith (Wood & Metal), Dayton, Ohio
Motor Patterns Co., East 61st & Waterman, Cleveland, Ohio
Mummert-Dixon Co., Hanover, Pa.
Munson E. G. (Wood & Iron), Utica, N. Y.
Murphy Foundry Co., Beaver Falls, Pa.
Nacke A. & Son (Metal), 1310 N Lawrence, Phila., Pa.
Neslage Herman F., St. Louis, Mo.
Nestor Mfg. Co., 40 W 13th, New York
New Britain Tool Co., New Britain, Conn.
New Brunswick Iron Works (Patterns Only), New Brunswick, N. J.
New Haven Pattern & Model Works, 68 Foote, New Haven, Conn.
Niagara Falls Metal Stamping Works (In Metal), Niagara Falls, N. Y.
Nicholls Wm. H. C. Inc., 2 College pl, Brooklyn, N. Y.
Niemeyer W. H. & Co., Bush & Severn, Baltimore, Md.
Nobach W. J. Pattern Works (Wood & Metal), 411-413 S Clinton, Chicago, Ill.

W. J. Nobach Pattern Works

411-413 S. Clinton St., Chicago, Ill.

PATTERNS

Patterns of Wood, Brass, Aluminum, match plates, stripper plates, machine mounted patterns and Production Equipment.

Octo Engineering Ass'n, Inc., Rochester, N. Y.
O'Gorman Thos. F., 114 Centre, New York
Ohio Pattern Works (Wood & Metal), 2780 Spring Grove av, Cincinnati, O.
Owren Casting Co. (Metal), Attleboro, Mass.
Parker W. T. Mfg. Co. (Wood & Metal), Springfield, O.
Pauly Bros., Springfield, O.
Philadelphia Roll & Machine Co. (Patterns), 52d & Grays av, Phila., Pa.
Phoenix Iron Works, Portland, Ore.
Plainfield Pattern Works, 509 Berckman, Plainfield, N. J.
Portland Iron Works, 14th & Northrup, Portland, Ore.
Price Bros., Frederick, Md.
Pulaski Foundry & Mfg. Corp. (Wood Only), 2424 Euclid av, Cleveland, O.
See adv index at end of book
Quincy Pattern Co. (Wood & Metal), Quincy, Ill.
Rabe Otto, 158 N Desplaines, Chicago, Ill.
Redkin Ekstrom & Co. (Wood & Metal), 1439 Railroad av, Rockford, Ill.
See adv index at end of book
Reliance Pattern Works (Wood), 3202 Smallman, Pittsburgh, Pa.
Reynolds Machine Co., Massilon, O.
Richmond Standard Mfg. Co., Richmond, Ind.
Riley John F. Fndry & Mach. Co., Charleston, S. C.
Roanoke Iron Works, Roanoke, Va.
Roovers Bros., 100 Schermerhorn, Brooklyn, N. Y.

ROOVERS BROS. TYPE EMBOSSING PRESSES

For making Raised Metal, Pattern, Letter and Figure Plates, Name Plates, Labels, Tags, Brands, etc.

100 Schermerhorn St. Brooklyn, N. Y.

San Diego Machine Co., San Diego, Cal.
Sawin L. H., Gardner, Mass.
Schraner A. P. (Wood & Metal), Payne av E 23rd, Cleveland, O.
Schwab R. J. & Sons Co. (Wood & Metal), 283 Clinton, Milwaukee, Wis.
Schwabe F. J. & Son, Ft. Wayne, Ind.
Shafer O. J. (Wood), 207 E 6th, Cincinnati, O.
Simplex Engineering Co., W Bancroft & Sylvan av, Toledo, Ohio
Sloan Novelty Mfg. Co., S W cor 20th & Wyandotte, Kansas City, Mo.
Soderstrom E. (Wood), Wichita, Kans.
Spanjer Bros. (Wooden), 193 Badger av, Newark, N. J.
Springfield Aluminum Plate & Castings Co. (Metal), Springfield, Ohio
Spuck Iron & Foundry Co., 14th & Branch, St. Louis, Mo.
Standard Cast Iron Pipe & Foundry Co., Bristol, Pa.
Standard Gas Engine Co., Dennison & King, Oakland, Cal.
Standard Pattern Co. (Patterns of All Kinds), 28th & Spruce way, Pittsburgh, Pa.
Standard Pattern Works Co. (Gear Patterns Specialty, Wood & Metal), 5332 St. Clair av, Cleveland, O.
Staunchwood Shops, 97 Lincoln, Flushing, N. Y.
Stearns E. C. Co. (Wood & Metal), 450 Oneida, Syracuse, N. Y.
Steiner Mfg. Works (Metal), Erie, Pa.
Stierlin Machine & Die Works, 625 W Jackson blvd, Chicago, Ill.
Strickland Pattern Works (Wood & Metal) Grove, Chattanooga, Tenn.
Stuart Foundry Co., 138 Junction, Detroit, Mich.
Superior Foundry Co. (Wood & Metal), 71st & W. & L. E. Ry., Cleveland, O.
Sutton-Abramsen Engineering Co., 1309 Park bldg, Pittsburgh, Pa.
Sweet & Doyle Foundry & Machine Co., Green Island, N. Y.
Taylor C. P., Rockford, Ill.
Tenney A. E. Mfg. Co., Pawtucket, R. I.
Townsend Foundry & Machine Shop Co., Broadway & Rensselear, Albany, N. Y.
See adv index at end of book
Trenton Pattern Works (Wood), Trenton, N. J.
Trumbull Mfg. Co. (Patterns), Warren, O.
Twentieth Century Brass Works Co. (Metal), 514 5th av, S Minneapolis, Minn.
United Engine & Machine Works, Inc., 507 Broadway, Fresno, Cal.
Universal Fdry. Co., Oshkosh, Wis.
Universal Mach. & Tool Co. The (Metal), 601 Mahoning rd N E, Canton, O.
Utica Steam Engine & Boiler Wks, Utica, N. Y.
Vedder Pattern Works (Wood & Iron for Stoves and Heaters), Troy, N. Y.
Walker R. W. (Wood & Metal), Lawrence, Mass.
Wallace J. D. & Co., 1401 W Jackson blvd, Chicago, Ill.
Washburn Lettic R. & Co. (Patterns & Models), New Bedford, Mass.
Weller Pattern Co. (Wood & Metal for Stove Furnace & Machy.), Quincy, Ill.
Wellman Products Co. (Large Patterns for Machines a Specialty), 1444 E 40th, Cleveland, O.
Western Foundry & Machine Works (Wood & Metal), Topeka, Kans.
Western Iron & Foundry Co. (Wood), Wichita, Kans.
Western Pattern & Mfg. Co. (Wood or Metal), Moline, Ill.
Weydell F. O., 12 S Clinton, Chicago, Ill.
White & Kilroy, 1303 Monadnock bldg, Chicago, Ill.
Worcester Pattern & Model Co., 93 Foster, Worcester, Mass.
York Pattern Works, York, Pa.

Paulins

See Tarpaulins; also Tents, Contractors'

10771-2—Paving Blocks (Asphalt)

Asphalt Block Pavement Co. (& Flooring), Toledo, O.
Atlantic Refining Co., 260 S Broad, Phila., Pa.
Barber Asphalt Paving Co., Land Title bldg, Phila., Pa.
Hastings Pavement Co., 25 Broad, New York
International Creosoting & Construction Co. (Creosoted), Galveston, Tex.; Works: Beaumont, Tex.
Taylor Ronald Co., 520 E 20th, New York
Texas Company (The), Dept. D, 17 Battery pl, New York
See adv index at end of book

Paving Blocks (Cedar)

See Paving Blocks, Wood

Paving Blocks (Creosoted)

See Paving Blocks, Wood

10773—Paving Blocks (Fire Clay)

See also Brick, Vitrified Paving

Cambria Clay Co., Patton, Pa.
West Virginia Fire Clay Mfg. Co., Diamond Bank bldg, Pittsburgh, Pa.

10774—Paving Blocks (Granite)

See also Granite Producers, Workers & Dealers

American Granite Co., 15th & Cleveland av, Milwaukee, Wis. Quarries: Granite Heights, Wis.
Bodwell Granite Co., Rockland, Me.
Booth Bros. & Hurricane Isle Granite Co., 208 B'way, New York
Booth & Flinn (Ltd.), 1942 Forbes av, Pittsburgh, Pa.
Flynt W. N. Granite Co., Monson, Mass.
French Greek Granite Co., St. Peters, Pa.
Guilford & Waltersville Granite Co., Law bldg., Baltimore, Md.
Hallowell Granite Works, Hallowell, Me.
Hildreth Granite Co., 31 State, Boston, Mass.
Leopold J. & Co., 233 B'way, New York

New England Granite Works, Westerly, R. I.
North Carolina Granite Corp., Mt. Airy, N. C.
Prout Bros., Quincy, Mass.
Rockport Granite Co., Rockport, Mass.
Skrainka Construction Co., Security bldg, St. Louis, Mo.
Swenson Jno. Granite Co., Concord, N. H.
Webb Granite & Const. Co., Mardborough, N. H.
Winnsboro Granite Corp., Rion, S. C.
Wisconsin Granite Co., 105 W Monroe, Chicago, Ill.

10775—Paving Blocks (Stone)

Kettle River Co., Madison, Ill.

Paving Blocks (Vitrified)

See Brick Manufacturers, Vitrified Paving; Indicated by a Star (*) in Front of Name

10776—Paving Blocks (Wood)

See also Creosoting Works

American Creosoting Co. (Creosoted), 17 Battery pl, New York. Works: Newark, N. J.
Am. Creosoting Co. (Creosoted), Bogalusa, La.
American Creosote Works, Southport, New Orleans, La.
Compressed Wood Preserving Co. (Creosoted), Spring Grove & Station avs, Winton pl, Cincinnati, O.
Creosoted Materials Co., Inc., Queen & Crescent bldg, New Orleans, La.
Gulfport Creosoting Co. (Creosoted), Gulfport, Miss.
Jennison-Wright Co. ("Kreolite" Wood Flooring), Broadway, Toledo, Ohio
Kettle River Co. (Creosoted), Madison, Ill.
Leopold J. & Co., 233 B'way, New York
Michigan Wood Preserving Co. ("Century" Creosoted), Century bldg, Pittsburgh, Pa.
National Lumber & Creosoting Co. (Creosoted), Texarkana, Ark.
Ohio Wood Preserving Co., The, Century bldg, Pittsburgh, Pa.
Pacific Creosoting Co., Seattle, Wash.
Pittsburgh Wood Preserving Co. ("Contury"), Century bldg, Pittsburgh, Pa.
Puget Sound Wood Preserving Co. (Creosoted), Lowell, Wash.
REPUBLIC CREOSOTING CO. (Creosoted), Merchants Bk. bldg, Indianapolis, Ind. *See adv index at end of book*
Southern Creosoting Co., Ltd. (Creosoted), Slidell, La.
SOUTHERN WOOD PRESERVING CO. (Creosoted), Atlanta, Ga. *See adv index at end of book*
Western Cedar Pole Preservers, Yardley, Spokane, Wash., and Sand Point, Idaho
Wyckoff Pipe & Creosoting Co. ("Wyckoff" Creosoted), 17H E 42d, New York
Paving Tools, See Tools (Paving)

Pea Fillers

See Can Filling Machines

10777— Peavies

See also Tools, Logging

American Logging Tool Co., Evart, Mich.
Columbus Handle & Tool Co., Columbus, Ind.
Concrete Machinery, Dunellen, N. J.
Gerlach Peter Co., 1712 Winter, Cleveland, Ohio
Prouty C. & Co. (Also Peavie Handles), Eldred, Pa.
Warren Axe & Tool Co., Warren, Pa.

10778—Pedals (Automobile Horn)

Western Brass Mfg. Wks., Marshall & 21st, Chicago, Ill.
Williams J. H. & Co. (Drop-Forged), 400 Vulcan, Buffalo, N. Y.

10779—Pedals (Bicycle & Motor Cycle)

Continental Rubber Works ("Vitalic"), Erie, Pa.
Persons Majestic Mfg. Co. (Bicycle), 54-72 Commercial, Worcester, Mass
Stevens & Co., 375 B'way, New York
TORRINGTON CO., Standard Plant, ("Torrington"), Torrington, Conn.
See adv index at end of book

Bicycle and Motorcycle

PEDALS

Bicycle and motorcycle pedals in a number of designs. Write for folder on our patented "Torrington" pedal—our latest and best model.

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STANDARD PLANT
TORRINGTON, CONN., U. S. A.

10780—Pedals (Muffler Cut-Out)

Am. Machine Products Co., Marshalltown, Iowa
Anderson Machine Works ("Simplex"), 444 23rd, Oakland, Cal.
Hill-Smith Metal Goods Co. ("H. S."), 82 Brookline av, Boston, Mass.
Petry N. A. Co. Inc., 325-34 N Randolph, Phila., Pa.

10781— Pedestals (Ornamental)

Burlington Willow Ware Shop (Basket), Burlington, Iowa
Lamson & Sessions Co., 2188H Scranton rd, Cleveland, O.
North Shore Ferneries Co., Beverly, Mass.

10782— Pedestals (Radiator)

Atlas Radiator Pedestal Co. ("Star," "Bicycle," "Standard," "Slip Axle," "Motor Cycle," "Bridgeport," "Standard" & "Pirate"), 102 William, Norwich, Conn.
Jennison Co. (Jennison Adjustable), Fitchburg, Mass.

10783— Pedestals (Sun Dial)

Hartmann Sanders Co., 2155 Elston av, Chicago, Ill.
Jones M. D. Co., Concord Junction, Mass.
North Shore Ferneries Co., Beverly, Mass.

10783a—Pedestals (Wooden)

Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Manchester Mfg. Co., 1210 S Vandeventer av, St. Louis, Mo.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

10784— Pedometers

Peelers (Fruit, etc.)

See Parers, Fruit & Vegetable

10784a— Pegs (Bluing)

Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

10784b— Pegs (Brush)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

10784c— Pegs (Clothes)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

10784d—*Pegs (Dental Polishing)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons (Wood), 364 5th av, New York *See adv index at end of book*

10784e— *Pegs (Hat)

Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

10785— Pegs (Husking)

Boss Mfg. Co., Kewanee, Ill.
Thomas R. N. Co., Shenandoah, Ia.

10785a— Pegs (Kindergarten)

Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

10786— Pegs (Shoe)

Crawford, McGregor & Canby Co., Dayton, O.
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Foster Jacob R., Plymouth, N. H.
Hale-Boardman John M., Inc., 120 Liberty, New York
Kearsarge Peg Co., Bartlett, N. H.
Kingsley E. B., Salisbury Center, N. Y.
Moore C. C., Lisbon, N. H.
Moore Peg Co., Lisbon, N. H.
Stiles H. A., 166-174 Portland, Boston, Mass. *See adv index at end of book*

10787— Pegs (Wood)

Basic Mfg. Co., Wilmington, Del.
Bogert & Hopper, Inc. (Hat, Clothes, Tent, Kindergarten, etc), 57 Barclay, New York *See adv index at end of book*
ESTES E. B. & SONS (Hat, Clothes, Shoe, Tent, Kindergarten, etc), 364 5th av, New York *See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*

10788— Pencil Timber

California Cedar Products Co. ("Duro"), Stockton, Cal.
Essex Lumber Co., North Sacramento, Cal.
F. & O. Cedar Works, Ltd., 40 Murray, New York
Germania Cedar Works, Christiana, Tenn.
Hudson Lumber Co., San Leandro, Cal.
Murfreesboro Mfg. Co. (Red Cedar Slats), Murfreesboro, Tenn.

10789—Pencils (Advertising)

Advertisers Printing Co., 128 Halleck, San Francisco, Cal.
Advertising Novelty Mfg. Co. (Lead), Newton, Iowa
Autopoint Company, 4619 Ravenswood av, Chicago
Eagle Pencil Co., 703 E 13th, New York
Erickson C. E. & Co., Des Moines, Ia.
General Pencil Co., 73 Fleet, Jersey City, N. J. *See adv index at end of book*

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Established 1889
Write for samples and quotations
GENERAL PENCIL COMPANY
MANUFACTURERS OF LEAD PENCILS
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Imprint Pencil Co., 530 B'way, New York
R. I. Advertising Lead Pencil Co., Rock Island, Ill.
Souvenir Lead Pencil Co., Cedar Rapids, Ia.
Standard Pencil Co., 1822 Locust, St. Louis, Mo.
Union Pencil Co. ("Union," Unipeco"), 33 Union sq, New York
Unique Novelty Co., Independence, Ia.

10790—Pencils (Camel's Hair)

Devoe & Raynolds Co., Inc. (Throat, Split Quills, Water Color, Japanners, etc), 101 Fulton, New York
Hanlon & Goodman Co., 270 Pearl, New York
Mayer Leopold, 83 Warren, New York
Weber Co., F., 1220 Buttonwood, Philadelphia, Pa.
Whiting J. L., Adams J. J. Co., 690 Harrison av, Boston, Mass.

10791—Pencils (Chalk, Mechanical)

Doggett Stanley, 11 Cliff, New York
Dow Louis F. Co., 831 Jackson, St. Paul, Minn.

10792—Pencils (Clutch or Mechanical)

American Lead Pencil Co., 225 Fifth av, New York
Autopoint Company, 4619 Ravenswood av, Chicago
Barnett Ira, 396 B'way, New York
Dollar Point Pencil Corp. ("Artpoint" and "Dollarpoint"), 1001 W 16th, Los Angeles, Cal.
Dow Louis F. Co., 831 Jackson, St. Paul, Minn.
Dunn & Rodenberg, Baker, Providence, R. I.
Eagle Pencil Co., 703 E 13th, New York
Hoge Mfg. Co. ("Modern"), 215 Fulton, New York
Jiffy Products Co. Inc. ("Jiffy" Automatic), 1240 S Main, Los Angeles, Cal.
Listo Pencil Corp. ("Listo" Center Turn), 1716 Park, Alameda, Cal.
Pencil Products Corp. ("Salrite"), 141 W 17th, New York
Salz Bros. ("Salz," "Stasharp"), 71H W 35th, New York
Shabeck John C. L., 236 Aborn, Providence, R. I.
Wahl Co., ("Eversharp"), 1800 Roscoe, Chicago, Ill.

10793-4-5—Pencils (Copying Ink)

American Lead Pencil Co., 220 5th av, New York
Barnett Ira., 396 B'way, New York
Dixon Joseph Crucible Co., Jersey City, N. J.
Eagle Pencil Co., 703 E 13th, New York
General Pencil Co., 73 Fleet, Jersey City, N. J. *See adv index at end of book*

Pencils (Crayon)

See Crayons & Pencils, Metal Workers

10796-7—Pencils (French Chalk)

Nevins Saml. Co., 143 N 4th, Phila., Pa.
Salomon L. A. & Bro., 216 Pearl, New York

10798— Pencils (Lead)

American Lead Pencil Co. ("Venus," "Velvet," "Childland," "Carbon," "Expert," "Classic Drawing," "Forum," "Indian," "Clover," "Premium," "Beats All Jr.," "Universal," "Scientific," "Dickens," "Senator," "Bonney Blue," "Charm," "Venus Everpointed," "Venus Thin Lead No. 38," Black & Colored), 225 5th av, New York
Autopoint Company, 4619 Ravenswood av, Chicago
Best Richard, 54 Lafayette, New York
Blaisdell Paper Pencil Co. (Paper), 141 Berkeley, Phila., Pa.
Dietzgen Eugene Co. (Drawing), 166 W Monroe, Chicago, Ill.
Dixon Joseph Crucible Co. ("Eldorado" Master Drawing & "Ticonderoga"), Jersey City, N. J.
Eagle Pencil Co., 703 E 13th, New York
Faber A. W. (Castell"), 41 Dickerson, Newark, N. J.
Faber Eberhard Pencil Co., 37 Greenpoint av, Brooklyn, N. Y.
GENERAL PENCIL CO. (Specialties for Advertising), 73 Fleet, Jersey City, N. J.
See adv index at end of book
Kanner Samuel ("Sterling"), 75 10th, Long Island City, N. Y.
Listo Pencil Corp. ("Listo" Center Turn), 1716 Park, Alameda, Cal.
PEASE C. F. CO., 820 N Franklin, Chicago, Ill. *See adv index at end of book*
Shanklin Mfg. Co. (Magazine), Springfield, Ill.
Standard Pencil Co., 1324 Locust, St. Louis, Mo.
Union Pencil Co. ("Union", "Unipeco"), 407 B'way, New York
Wahl Co. ("Eversharp"), 1800 Roscoe, Chicago, Ill.

10799— *Pencils (Lumber)

Eagle Pencil Co., 703 E 13th, New York
Weber Co., F., 1220 Buttonwood, Philadelphia, Pa.

10800— Pencils (Slate)

Doggett Stanley (Artificial), 11 Cliff, New York
Eagle Pencil Co., 703 E 13th, New York
Ilifelder B. & Co. (Artificial), 29 Union sq, New York
Steward D. M. Mfg. Co. ("Compo."), Chattanooga, Tenn.

10801-2—Pencils (Talc & Soapstone)

Adams D. C. Crayon Co. ("Adams"), 125 Market, St. Louis, Mo.
Cohutta Talc Co. (Soapstone; also Crayon), Dalton, Ga.
Dixon Joseph Crucible Co., Jersey City, N. J.
Doggett Stanley, 11 Cliff, New York
Georgia Talc Co., Asheville, N. C.
Steward D. M. Mfg. Co., Chattanooga, Tenn.

10803— Pendants (Wiring)

Fletcher Mfg. Co. ("Etheridge"), Dayton, O.

10804— Penetrometers

Braun-Knecht-Heimann Co. (N. Y. Testing Laboratory), 576-584 Mission, San Francisco, Cal.
Daigger A. & Co., 54 W Kinzie, Chicago, Ill.

10805— Penholders

Amer. Lead Pencil Co., 220 5th av, New York
Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
See adv index at end of book
Bradley C. E. Corp. ("Bradley"), Brattleboro, Vt.
Celluloid Co., 36 Washington pl, New York
Center Shaft Penholder Co., Hanover, Pa.
Dixon Joseph Crucible Co., Jersey City, N. J.
Estes E. B. & Sons, 364 5th av, New York. *See adv index at end of book*
Esterbrook Steel Pen Mfg. Co., Camden, N. J.
Faber Eberhard Pencil Co., 37 Greenpoint av, Brooklyn, N. Y.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book
Union Pearl Works (Pearl), 43 W 27th, New York. Works: Brooklyn, N. Y.
Union Pencil Co. (Advertising), ("Union," "Unipeco"), 407 B'way, New York

10806— Pennant Mfrs.

See also Flag Mfrs.

Annin & Co., 99 Fulton, New York
Art Graphic Co., 129 Fulton, New York
Beverly Mfg. Co., Staunton, Va.
Bradford & Co., St. Joseph, Mich.
Chicago Pennant Co., 6542 Cottage Grove Chicago, Ill.
Donaldson Art Sign Co., 21st & L. N. R. R. Cov, Cincinnati, O.
Emerson Mfg. Co., 161 Natoma, San Francisco, Cal.
Hoffmann-Corr Mfg. Co., 312 Market, Phila., Pa.
Pacific Pennant & Novelty Co., Los Angeles, Cal.
Sternthal F. Co. (Felt), 217 W Madison, Chicago, Ill.
Triangle Pennant Co., 110 S Wabash, Chicago, Ill.
Wheeler Mfg. Co., 2141 Milvia, Berkeley, Cal.

10806a— Pen Points

New York Blue Print Paper Co., 96-102 Reade, New York
Turner & Harrison Pen Mfg. Co., 1211H Spring Garden, Phila., Pa.
Weber Co., F., 1220 Buttonwood, Philadelphia, Pa.

10806b— Pens (Animal)

Crown Iron Works Co., 1229 Tyler, Minneapolis, Minn.

10807—Pens (Calf, Cow & Bull)

James Mfg. Co. ("James"), Ft. Atkinson, Wis.
Libbey C. A. Co. ("Libbey"), Marion & Jay, Oshkosh, Wis.
Louden Machinery Co., Fairfield, Ia.
Rassmann F. Mfg. Co., Beaver Dam, Wis.

Pens (Fountain)

See Fountain Pen Mfrs.

10808— Pens (Gold)

Acme Gold Pen Co., 17 Vandewater, New York
Atkin-Lambert Co., 3 Dey, New York
Barnett Ira, 396 B'way, New York
Gaydoul Gold Pen Co., 64 Fulton, New York
Hicks Wm. Mather, 235 Greenwich, New York
Horn M. T. Co., 114 Park pl, New York
Pearce F. T. Co., 35 Sprague, Providence, R. I.
Todd Edw. & Co., 1 W 34th, New York
Willard Pen Co., 324 W 39th, New York

10809— Pens (Gold Plated)

Hunt C. Howard Pen Co. (For Fountain Pens), Camden, N. J.
Turner & Harrison Pen Mfg. Co. (For Fountain Pens), 1211 Spring Garden, Phila., Pa.

10810— Pens (Ruling)

Alteneder Theo & Sons, 1217 Spring Garden, Phila., Pa.
Dredge A. Ruling Pen Co., 75 Gold, New York
Hickok W. O. Mfg. Co., Harrisburg, Pa.
Keuffel & Esser. Hoboken. N. J.
Weber Co., F., 1220 Buttonwood, Philadelphia, Pa.

10810a— Pens (Shading)

Newton Automatic Lettering Pen Co. ("Newton-Stoakes"), Pontiac, Mich.
New York Blue Print Paper Co., 102 Reade, New York
Weber Co., F., 1220 Buttonwood, Philadelphia, Pa.

10811—Pens (Show Card Lettering)

Keuffel & Esser Co. ("Payzant"), Hoboken, N. J.
Weber Co., F., 1220 Buttonwood, Philadelphia, Pa.

10812— Pens (Steel)

American Lead Pencil Co., 225 5th av, New York
Cocomatic Corp. ("Cocomatic"), Lynchburg, Va.
Eagle Pencil Co., 703 E 13th, New York
Esterbrook Steel Pen Mfg. Co., Camden, N. J.
Graff Geo. B. Co. ("Graffco Silver Steel"), 294 Washington, Boston, Mass.
Hunt C. Howard Pen Co., Camden, N. J.
Miller Bros. Cutlery Co., Meriden, Conn.
Spencerian Pen Co. ("Spencerian"), 349 B'way, New York
Turner & Harrison Pen Mfg. Co., ("Isaacs"), 1211 Spring Garden, Phila., Pa.

10812a— *Pensticks

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 Fifth av, New York. *See adv index at end of book*

10813— Penstocks

Atlantic Works, 30 Border, East B, Boston, Mass.
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book

CHICAGO BRIDGE & IRON WORKS (Large Riveted Steel), 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book

HORTON
Penstocks, manifolds and all plate work for power installations.
CHICAGO BRIDGE & IRON WORKS
Chicago, 2105 Old Colony Bldg.; New York, 3136 Hudson Terminal Bldg.; Dallas, 1600 Praetorian Bldg.; Atlanta, 1010 Healey Bldg.; San Francisco, 1030 Rialto Bldg.
HORTON STEEL WORKS, LIMITED
Toronto, Ont., 1408 Federal Bldg.; Montreal, Que., 1020 Bank of Toronto Bldg.; Bridgeburg, Ont., 118 Janet St.; Winnipeg, Man., 1209 Galt Bldg.

Connery & Co. Inc., 4000 N 2nd, Phila., Pa.
See adv index at end of book
Cox & Sons Co., 5th & Chestnut, Phila., Pa.
Dillon D. M. Steam Boiler Works, Fitchburg, Mass.
DOVER BOILER WORKS. Sales Offices: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Hammond Iron Works, Warren, Pa.
See adv index at end of book
HORTON STEEL WORKS, LTD., 118 Janet, Bridgeburg, Ont., Can.
Hunt Rodney Machine Co., Orange, Mass.
International Engineering Works, Framingham, Mass.
Kellogg M. W. Co. (Hydro-Electric Piping), 90 West, New York
See adv index at end of book
Kittoe Boiler & Tank Co. (Inc.), Canton, O.
Lancaster Iron Works, Lancaster, Pa.
Leslie Elliott & Co., Paterson, N. J.
McAleenan Bros. Co., 25th & G. V. R. R., Pittsburgh, Pa.
McNamara Bros. Co., Westport, Baltimore, Md.
Manitowoc Engineering Works, Manitowoc, Wis.
Mitchell, Tappen Co., 15 John, New York
Muskegon Boiler Works, Muskegon, Mich.
New England Iron Works Co., Summer, Boston, Mass.
New Haven Boiler Works, Inc., 37 Mill, New Haven, Conn.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
PETROLEUM IRON WORKS CO. OF OHIO, Sharon, Pa.
See adv index at end of book
Platt Iron Works Co., Dayton, O.
Pollock Wm. B. Co., Youngstown, O.
Portland Co., Portland, Me.
Presto Elec. Co., Inc. ("Presto" Electric), 703 Market, San Francisco, Cal.
Riter-Conley Co. (Steel only), Oliver bldg, Pittsburgh, Pa.
Scannell Boiler Works, Lowell, Mass.
Smith Co., S. Morgan (Steel plate), P. O. Box 667, York, Pa.
Smith Samuel & Son Co., Paterson, N. J.
Snow T. W. Construction Co. (Oil & Water), 117 N Dearborn, Chicago, Ill.
Stafford Wright & Son, Lawrence, Mass.
STEARNS A. T. LUMBER CO., 100 Taylor, Boston, Mass. *See adv index at end of book*
Stevens Tank & Tower Co. (Wood), Auburn, Me.
Tippett & Wood, Phillipsburg, N. J.
Tofte Boiler & Sheet Iron Works, Houston, Texas
Treadwell Constr. Co., Midland, Pa.
Treadwell M. H. Co., 140 Cedar, New York
U. S. Wind Engine & Pump Co., Batavia, Ill.
Walsh's Boiler & Iron Works, 221 Liberty, Springfield, Mass.
Walsh's Holyoke Steam Boiler Works, Holyoke, Mass.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Wolf Co. (Cast Iron & Steel Plate), **Chambersburg, Pa.**

10813a—*Perches (Bird Cage)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 Fifth av, New York. *See adv index at end of book*

10814—Perches (Examining)

PARKS & WOOLSON MACHINE CO., Springfield, Vt.
See adv index at end of book
Tillotson Humidifier Co., 73 Fountain, Providence, R. I.

10815—Percolators (Chemical Works)

Devine J. P. Co., Buffalo, N. Y.
Oat Joseph & Sons, 228 Quarry, Phila., Pa.
Philadelphia Coppersmithing Co., 808 N **Front, Phila., Pa.**
Stuart & Peterson Co., Burlington, N. J.
Young Bros. Co., 666 Mack, Detroit, Mich.

10816— Percolators (Coffee)

Aluminum Products Co. (Aluminum), La Grange, Ill.
Bowman Geo. H. Co. ("Bowman" Swissalu Aluminum), 224 Euclid av, Cleveland, O.
Buckeye Aluminum Co. ("Real Solid" Aluminum), Wooster, O.
Buffalo Mfg. Co., 1354 West av, Buffalo, N. Y.
Burritt O. W. & Bro. ("Harrington" Tea & Coffee), Weedsport, N. Y.
Edison Electric Appliance Co., Inc. (Hotpoint Division) ("El Perco" Electric), 5600 W Taylor, Chicago, Ill.
International Silver Co., Meriden, Conn.
Keyes-Davis Co., Battle Creek, Mich.
Landers, Frary & Clark ("Universal," "Thermax"), New Britain, Conn.
Lisk Mfg. Co. (Enameled), Canandaigua, N. Y.
Manning Bowman & Co., Meriden, Conn.
National Stamping & Electric Wks. (White-Cross Div.) ("White Cross" Electric), 3214 W Lake, Chicago, Ill.
New England Enameling Co. ("Ideal"), Middletown, Conn.
New York Stamping Co. ("Empress"), N 11th & Berry, Brooklyn, N. Y.
Prisk Wm. M. & Sons Mfg. Co., Yalesville, Conn.
Rochester Stamping Co. (Electric & Stove), 176 Anderson av, Rochester, N. Y.
Rome Mfg. Co., Rome, N. Y.
Russell Electric Co. ("Hold-Heet"), 340 W Huron, Chicago, Ill.
Silex Co. of Mass. ("Silex"), 926 Eastern av, Boston, Mass.
Silver & Co. ("Marion Harland"), 304 Hewes, Brooklyn, N. Y.
Standard Aluminum Co. (Aluminum), Two Rivers, Wis.
Sternau S. & Co., 9 E 37th, New York
Sweeney W. H. Mfg. Co. (Copper, Nickel & Aluminum), 30 Main, Brooklyn, N. Y.
Toledo Cooker Co. ("Ideal"), Toledo, O.
Waage Elec. Co. (Electric), 5100 Ravenswood av, Chicago, Ill.
Wagner Mfg. Co. ("Wagner Ware" Aluminum), Sidney, O.
West Bend Aluminum Co., West Bend, Wis.
Westinghouse Electric & Mfg. Co. (Electric), East Pittsburgh, Pa.
See adv index at end of book

10816a—*Percolators (For Oil & Grease Extraction)

BARTLETT & SNOW CO. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book

10816b— *Percolators (Garbage Grease, Etc.)

Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
KUTZTOWN FOUNDRY & MACHINE CO. (Rotary), 1421 Chestnut, Phila., Pa. *See adv index at end of book*

10817—Percolators (Pharmaceutical)

Stokes F. J. Machine Co., 6138 Tabor, Phila., Pa.

10818—Perforators (Postage Stamp)

American Perforator Co. ("American"), 625 W Jackson blvd, Chicago, Ill.
Stimpson Edwin B. Co. (& Checks, Stubs, etc.), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book

10819-20— Periscopes

Bausch & Lomb Optical Co., Rochester, N. Y.

Peroxide of Hydrogen

(See Hydrogen Peroxide)

Peroxide of Manganese

(See Manganese Peroxide)

Peroxide of Sodium

(See Sodium Peroxide)

10821— *Pestles

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

10822— Petrolatum

Associated Oil Co., 79 New Montgomery, San Francisco, Cal.
Atlantic Refining Co., 260 S Broad, Phila., Pa.
Bell Oil Corp., 11 Water, New York
Binghamton Oil Refining Co., Binghamton, N. Y.
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Chesebrough Mfg. Co. ("Vaseline"), 17 State, New York
Clarendon Refining Co., Clarendon, Pa.
Clark F. C., 1406 N Central, Chicago, Ill.
Clark Fred S. Co., 1081 W 11th, Cleveland, Ohio
Connewango Refining Co., Warren, Pa.
Crew Levick Co., 219 N Broad, Phila., Pa.
Daugherty W. H. & Son, Refining Co., Petrolia, Pa.
Fergusson Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Freedom Oil Works Co., Freedom, Pa.
Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Houghton E. F. Co., 240H W Somerset, Phila., Pa.
Kelmit Co., 445 E 3rd, Los Angeles, Cal.
Kendall Refining Co., Dept. H, Bradford, Pa.
Master Refining Co. ("Master Oils"), Hobart bldg, San Francisco, Cal.
Monitor Oil Co., Cleveland, O.
Pa. Oil & Refining Co., Oil City, Pa.
Pennsylvania Refining Co., Karns City, Pa.
Petrolia Refining Co., Petrolia, Pa.
Riddle Chemical Co. (Lily White, Pale Yellow, Snow White), 35 S Dearborn, Chicago, Ill.
See adv index at end of book
Standard Oil Co., 555 W 25th, New York
Texas Company (The), Dept. D, 17 Battery pl, New York
See adv index at end of book

10823—Petroleum & Its Products

Amalgamated Oil Co., Pacific Electric bldg., Los Angeles, Cal.
American Oil & Tank Line Co., St. Paul, Minn.
American Oil Works (Ltd.), Titusville, Pa.
American Petroleum Products Co., 196 Water, New York
Angeles Snowolen Refining Co. ("Peacock Quality"), 2101 E Florence av, Los Angeles, Cal.
Ardmore Refining Co., Ardmore, Okla.
Asiatic Petroleum Co. N. Y., Ltd., 65 Broadway, New York
Associated Oil Co., 79 New Montgomery, San Francisco, Cal.
Atlantic Gulf Oil Corp., 25H B'way, New York
Atlantic Refining Co., 3144 Passyunk av, Phila., Pa.
Bell Oil Corp., 11 Water, New York
Bessemer Refining Co., Titusville, Pa.
Bigheart Producing & Refining Co., Tulso, Okla.
Buffalo Refining Co., 158 Pearl, Buffalo, N. Y.
Cabell Petroleum Co., Arcade bldg, St. Louis, Mo.
Caddo Oil & Refining Co. of Louisiana
California Fresno Oil Co., Fresno, Cal.
Calumet Refining Co., 4323 S Western blvd, Chicago, Ill.
Camp Harry E., Bradford, Pa.
Canfield Oil Co., 3210 E 55th, Cleveland, O
Central Refining Co., Lawrenceville, Ill.
Clarendon Refining Co., Clarendon, Pa.
Clark Fred. G. Co., 1081 W 11th, Cleveland. O.
Clifford-Bell Petroleum Co, Inc., Wichita Falls, Tex.
Columbia Oil Co. of N. Y., 15 William, New York
Conewango Refining Co., Warren, Pa.
Constantin Refining Co., Tulsa, Okla.
Continental Petroleum Co., Sharon bldg, San Francisco, Cal.
Continental Refining Co., Oil City, Pa.
Cornplanter Refining Division, Warren, Pa.
Cosden & Co., Tulsa, Okla.
Crescent Refining & Oil Co. (Fuel Oils), 2460 E 28th, Los Angeles, Cal.
Crew Levick Co., 219 N Broad, Phila., Pa.
Crystal Oil Works, Oil City, Pa.
Cushing Refining Co., Cushing, Okla.
Dougherty W. H. & Son Refining Co., Petrolia, Pa.
Emery Mfg. Co., Bradford, Pa.
Emlenton Refining Co., Emlenton, Pa.
Empire Oil Works, Oil City, Pa.
Evansville Oil Grease Co. Inc. ("All Pennsylvania"), 1900 Division, Evansville, Ind.
Foco Oil Co. (Jobbers), Franklin, Pa.
General Petroleum Co., Alaska Commercial bldg, San Francisco, Cal.
Great Western Oil Co., 2846 E 37th, Cleveland, O.
Gulf Refining Co., Frick bldg. annex, Pittsburgh, Pa.
Harbor Refining Co., 2475 E 9th, Los Angeles, Cal.
Hercules Gasoline Co., 2411 E 30th, Los Angeles, Cal.
Independent Refining Co. (Ltd.), Oil City, Pa.
Indiahoma Refining Co., East St. Louis, Ill.
Indian Refining Co. (Crude Petroleum), 244 Madison av, New York
Indian Territory Illuminating Oil Co., Bartlesville, Okla.
Island Petroleum Co., Neville Island, Pittsburgh, Pa.
Jameson Oil Co., 2501 E 28th, Los Angeles, Cal.
Jordan Oil Co., E 28th, Los Angeles, Cal.
Kansas Co-Operative Refining Co., Kansas City, Mo.
Kendall Refining Co., Bradford, Pa.
Louisiana Oil Refining Co., Shreveport, La.
Magnolia Petroleum Co., Galveston, Tex.
Master Refining Co. ("Master Oils"), Hobart bldg, San Francisco, Cal.
Mexican Petroleum Co., Los Angeles, Cal.
Midwest Refining Co., Denver, Colo.
Miller's A. D. Sons Co., Columbus & Preble, Pittsburgh, Pa.
Muskogee Refining Co., Muskogee, Okla.
Mutual Oil Co., Mutual bldg, Kansas City, Mo.
Mutual Refining Co (Ltd.), Warren, Pa.
National Oil Refining & Mfg. Co., Bakersfield, Cal.
National Refining Co., Rose bldg., Cleveland, O.
Pacific American Petroleum Co., 28th & Santa Fe av, Los Angeles, Cal.
Pan-American Refining Co., Tulsa, Okla.
Paragon Refining Co., Toledo, O.
Pavania Oil Co., Warren, Pa.
Pennsylvania Oil Products Ref. Co., Eldred, Pa.
Pa. Oil & Refining Co., Oil City, Pa.
Pennsylvania Paraffine Wks., Titusville, Pa.
Penn American Refining Co., Oil City, Pa.
Petroleum Export Corp., 610 S Main, Los Angeles, Cal.
Petroleum Products Co., 3917 Nevile, Pittsburgh, Pa.
Petrolia Refining Co., Petrolia, Pa.
Phoenix Oil Co., 2554 W 5th, Cleveland, O.
Phoenix Refining Co., Tulsa, Okla.
Pierce Oil Corp., 111 Broadway, New York
Pinal Dome Refining Co., Santa Maria, Cal.
Pittsburgh Oil Refining Co., Pittsburgh, Pa.
Producers Refining Co., Bakersfield, Cal.
Producers Refining Co., Gainesville, Tex.
Puente Oil Co., Chino, Cal.
Pure Oil Co., Lafayette bldg, Phila., Pa.
Richfield Oil Co., Los Angeles, Cal.
Roxana Petroleum Corp., Arcade bldg, St. Louis, Mo.
Sapula Refining Co., Tulsa, Okla.
Seneca Oil Works, Warren, Pa.
Shell Co. of Cal., 343 Sansome, San Francisco, Cal.
Sinclair Refining Co., Conway bldg, Chicago, Ill.
Solar Refining Co., Lima, O.
Standard Oil Co., 225 Bush, San Francisco, Cal.
Standard Oil Co. (Medicinal), 910 S. Michigan av, Chicago, Ill.
Standard Oil Co. of La., Baton Rouge, La.
Standard Oil Co. of N. J., 26 B'way, New York
Standard Oil Co. of N. Y. ("Socony"), 555 W 25th, New York
Standard Oil Co. of Ohio, E Ohio Gas bldg., Cleveland, O.
Stebbins Oil & Gasoline Co. (Crude), Tulsa, Okla.
Sun Co., 1240 H. Finance bldg, Phila., Pa.
Superior Oil Works, Warren, Pa.
TEXAS COMPANY (THE) (There's a Texaco Lubricant for Every Purpose), Dept. D, 17 Battery pl, New York
See adv index at end of book
Tidewater Oil Co., 11 B'way, New York
Titusville Oil Works, Titusville, Pa.
Transcontinental Oil Co., Benedum Trees bldg, Pittsburgh, Pa.
Uncle Sam Oil Co., Kansas City, Kans.
Union Oil Co. of Cal., Union Oil bldg, Los Angeles, Cal.
Union Petroleum Co., Widener bldg, Phila., Pa.
United Refining Co., Warren, Pa.
Utah Oil Refining Co., Salt Lake City, Utah.
Valley Oil Refinery, Stockton & Palhemus, San Jose, Cal.
Van Tilburg Oil Co., 2428 University av, Minneapolis, Minn.
Ventura Refining Co., 454 S Spring, Los Angeles, Cal.
Vernon Oil Refining Co., 2500 E 26th, Los Angeles, Cal.
Warren Refining Co., Warren, Pa.
WAVERLY OIL WORKS CO., 54th & A V R R, Pittsburgh, Pa.
Webster Refining Co., Jennings, La.
White Eagle Oil & Refining Co., Federal Bank bldg, Kansas City, Mo.
Wilburine Oil Works (Ltd.), 765 B'way, New York
Wilhoit Refining Co., Springfield, Mo.
Wilshire Oil Co., 2455 E 27th, Los Angeles, Cal.
Yosemite Oil Refining Co., Cheney & Harriet, Los Angeles, Cal.

10824— Pew End Mfrs.

American Sash & Door Co., 16th & Bellefontaine, Kansas City, Mo.
Carr, Ryder & Adams Co. (Wholesale Mfrs.), Dubuque, Ia.
Carter Mfg. Co., Keokuk, Ia.
Dudman Drug & Chemical Co., 44 Cannon, Charleston, S. C.
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Tiffin Mfg. Co., Tiffin, O.

Phaetons

See Carriages

Pharmaceutical Apparatus

See Pharmaceutical Machinery; also Chemical Machinery

10824a— Pharmaceuticals

See also Chemicals
Ames M. Chemical Works, Glens Falls, N. Y.
Beebe Laboratories, Inc., 168 3rd, St. Paul, Minn.
Berry Demoville & Co., 174 2nd av N, Nashville, Tenn.

(Continued on following page)

Pharmaceuticals—Continued

Bittner G. C. Co., Toledo, Ohio
Cherox Co., Dept. H, Valparaiso, Ind.
Digestive Ferment Co., 920H Henry, Detroit, Mich.
Flint Eaton & Co., Decatur, Ill.
Lambert Chemical Co., St. Louis, Mo.
McKesson-Robbins, 91 Fulton, New York
Merrell W. S. Co., 6th & Pike, Cincinnati, Ohio
Monsanto Chemical Works, 1800 S 2nd, St. Louis, Mo.
Morgenstern & Co., 31 Park pl, New York
National Aniline & Chemical Co., Inc., 40 Rector, New York
Norwich Pharmacal Co. ("Unguentine" Ointment), Norwich, N. Y.
Parke Davis & Co., Detroit, Mich.
Parmele Pharmacal Co., 49 West, New York
RIDDLE CHEMICAL CO., 35 S. Dearborn, Chicago, Ill.
See adv index at end of book
Schering & Glatz, Inc., 150 Maiden, New York
Scott & Bowne, Bloomfield, N. J.
Seydel Mfg. Co., 88 Forrest, Jersey City, N. J.
Takamine Commercial Corp., 120 B'way, New York
Wag's Chemical Co., 521 S Gay, Knoxville, Tenn.
Zinsser & Co., Hastings-on-Hudson, N. Y.

10825— Pharyngoscopes

American Synthetic Color Co., Stamford, Conn.

10825a—*Phenol Apparatus

Semet-Solvay Co., Milton av, Syracuse, N. Y.

10825b— Phenol Resins

BAKELITE CORP., 247 Park av, New York
See adv index at end of book

10826— Phenolphthalein

Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Greeff R. W. & Co., 78 Front, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Monsanto Chemical Works, E St. Louis Plant, St. Louis, Mo.
New York Quinine & Chemical Works, 135 William, New York
Riddle Chemical Co. (Powder), 35 S Dearborn, Chicago, Ill.
See adv index at end of book

10826a—Phenylenediamine (Meta)

Ciba Co. Inc., 134 Cedar, New York
DU PONT E. I. DE NEMOURS & CO., INC., Dyestuffs Dept., Wilmington, Del.
See adv index at end of book
Grand Rapids Brass Co., Grand Rapids, Mich.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*

10826b—Phonograph Apparatus

See also Specific Heading

General Phonograph Corp., 15 W 18th, New York
GRAND RAPIDS BRASS CO., Grand Rapids, Mich. *See adv index at end of book*
Mutual Phono Parts Mfg. Corp. ("Mutual" Tone Arms & Reproducers only), 149 Lafayette, New York
Willat Production Co. ("Everplay" Repeater), 1121 Howard, San Francisco, Cal.

10827—Phonograph Reproducers

General Phonograph Corp., 15 W 18th, New York
Moore George W., 44H Farnworth, Boston, Mass.
Mutual Phono Parts Mfg. Corp., 149 Lafayette, New York
Thomas Mfg. Co., Dayton, Ohio

Phonographs

See Talking Machines

Phosphate of Ammonia

(See Ammonium Phosphate)

10828— Phosphate Rock

Alexander G. S. & Co., Inc., Savannah, Ga.
Am. Cyanamid Co., 511 5th av, New York
Arkansas Fertilizer Co. (Miners), Little Rock, Ark.
Baker H. J. & Bro. (Selling Agents), 81 Fulton, New York
Consolidated Phosphate Co., Columbia, Tenn.
Coronet Phosphate Co. (Miners), 99 John, New York
Cummer Lumber Co. (Miners), H, St. James bldg, Jacksonville, Fla.
Export Phosphate Co., 87 Milk, Boston, Mass.
Federal Chemical Co., Louisville, Ky.
Florida Phosphate Mining Corp., Bartow, Fla.
International Ag'l Corp. (Florida Land Pebble & Tennessee), 61 B'way, New York
Lang J. M. & Co., Savannah, Ga.
Marden, Orth & Hastings Co. (Miners), 136 Liberty, New York
Mutual Mining Co., Savannah, Ga.
Peters White & Co., 110 William, New York
Phosphate Mining Co. (Miners), 110 William, New York
Stauffer Chemical Co., 624 California, San Francisco, Cal.
Virginia-Carolina Chemical Co., Richmond, Va.
Williams Hardware Co. (Untreated Ground for Agricultural Purposes), 113 N Vermillion, Streator, Ill.

10829— Phosphine

Klipstein A. & Co. (Patent for Tanners), 644 Greenwich, New York

10830— Phosphor Bronze

Ajax Metal Co., 46 Richmond, Phila., Pa.
AMERICAN BRASS CO., Bridgeport, Conn.
For branch offices see adv index at end of book
American Manganese Bronze Co., Rhawn, Phila., Pa.
BENSON ROLLING MILLS, INC., Glen Ridge, N. J.
Birkenstein S. & Sons ("Wizard"), 1056 North av, Chicago, Ill.
Brady Brass Co., 170 14th, Jersey City, N. J.
Bunting Brass & Bronze Co., 738 Spencer, Toledo, O. *See adv index at end of book*
Conklin T. E. Brass & Copper Co., 54-60 Lafayette, New York

Phosphor Bronze Rolls
Nearly three-quarters of a century serving the trade.
LARGE ASSORTED STOCK FOR IMMEDIATE DELIVERY
T. E. Conklin Brass & Copper Co., Inc.
54-60 Lafayette Street, New York
Established 1860 Tel. Franklyn 2900

Damascus Bronze Co. ("Damascus"), N S, Pittsburgh, Pa.
Edna Brass Mfg. Co., Cincinnati, O.
Erie Bronze Co., 355 W 19th, Erie, Pa.
Gilbert A. & Sons Brass Fdry. Co. ("Velox"), 4019 Forest Pk. bldg, St. Louis, Mo.
Great Western Smelting & Refining Co., 4100 Wallace, Chicago, Ill.
Hungerford U. T. Brass & Copper Co. (Sheets, Rods, Wire, etc), 80 Lafayette, New York
Jacobson I. M. & Sons Co., 70 Catherine, Detroit, Mich.
Lumen Bearing Co., 200 Lathrop, Buffalo, N. Y. *See adv index at end of book*
Merchant & Evans, Washington av & 21st, Phila., Pa.
More-Jones Brass & Metal Co., B'way & Dock, St. Louis, Mo.
New Era Mfg. Co. (White), Kalamazoo, Mich.
PHOSPHOR BRONZE SMELTING CO., 2202 Washington av, Phila., Pa.
PRIER CO., WALTER H., 230 E Ohio, Chicago, Ill.
See adv index at end of book
Reeves Paul S. & Co., 1415 Catherine, Phila., Pa.
Riverside Metal Co., Riverside, N. J.
Titanium Bronze Co., Inc., Niagara Falls, N. Y.
Western Cartridge Co., East Alton, Ill.

10831—Phosphor Bronze Sheets

BENSON ROLLING MILLS, INC., Glen Ridge, N. J.
Hough W. S. Co., Dept. H, Attleboro, Mass.
Hungerford U. T. Brass & Copper Co. 80 Lafayette, New York
Merchant & Evans, Washington av & 21st, Phila., Pa.
Phosphor Bronze Smelting Co ("Elephant Brand"), 2202 Washington av, Phila., Pa.
Reeves Paul S. & Co., 1415 Catherine, Phila., Pa.
Riverside Metal Co., Riverside, N. J.
Stamford Rolling Mills Co. Inc., Springfield, Conn.
Whitehead Metal Products Co. of N. Y., Inc., 261-7 Canal, New York & 43 N 7th, Phila., Pa.
See adv index at end of book

10832— Phosphor Copper

Ajax Metal Co., 46 Richmond, Phila., Pa.
American Boron Products Co., Inc. (Boronic In Shot Form), Reading, Pa.
Crown Smelting Co., Chester, Pa.
Damascus Bronze Co. ("Damascus Guaranteed" 5%, 10%, 15%), N. S. Pittsburgh, Pa.
Eagle Smelting & Refining Works, 233 B'way, New York
Keystone Bronze Co. (5-10-15%), 39th & V. L. R. R., Pittsburgh, Pa.
Metal & Thermit Corp., 120 B'way, New York
More-Jones Brass & Metal Co., B'way & Dock, St. Louis, Mo.
Nassau Smelting & Refining Works, 607 W 29th, New York
North American Smelting Co., 9th & Thompson, Phila., Pa.
Richards & Company, Inc. ("Star"), 192 Beverly, Boston, Mass.
Riverside Metal Co., Riverside, N. J.
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book
United American Metals Corp. ("Stanley Process"), 192 Diamond, Brooklyn, N. Y.
United States Reduction Co., E. Chicago, Ind.

10833— Phosphor Tin

Ajax Metal Co., 46 Richmond, Phila., Pa.
Damascus Bronze Co. ("Damascus Guaranteed" 5%), N. S. Pittsburgh, Pa.
Eagle Smelting & Refining Works, 233 B'way, New York
Empire Metal Co., Syracuse, N. Y.
Jacobson I. M. & Sons Co., 70 Catherine, Detroit, Mich.
Metal & Thermit Corp., 120 B'way, New York
More-Jones Brass & Metal Co., B'way & Dock, St. Louis, Mo.
Nassau Smelting & Refining Works, 607 W 29th, New York
New Era Mfg. Co. (Improved Metallic Phosphoro), Kalamazoo, Mich.
North American Smelting Co., 9th & Thompson, Phila., Pa.
Ricards & Company, Inc. ("Star"), 192 Beerley, Boston, Mass.
Riverside Metal Co., Riverside, N. J.
United American Metals Corp. ("Stanley Process"), 192 Diamond, Brooklyn, N. Y.
United States Reduction Co., E Chicago, Ind.

10834— Phosphorizers

Bartley Jonathan Crucible Co., Trenton, N. J.
Dixon Joseph Crucible Co., Jersey City, N. J.
McCullough-Dalzell Crucible Co., 36th & A. V. R. R., Pittsburgh, Pa.

10835— Phosphorum Copper

Miller W. E. (Imported), 17 State, New York

10836— Phosphorus

Cooper & Cooper Inc, 23H Cliff, New York
Coignet Chemical Products Co., 17 State, New York
General Chemical Co., 40 Rector, New York
Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Takamine Commercial Corp. (Imp. Red & Yellow Stick), 120 B'way, New York

10836a—Phosphorus (Oxychloride)

Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Secaw Chemical Co., Irvington, N. J.
Warner Chemical Co., 52 Vanderbilt av, New York

10836b—Phosphorus (Trichloride)

Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Secaw Chemical Co., Irvington, N. J.
Warner Chemical Co. 52 Vanderbilt av, New York

10836c—Photo Engravers' Supplies

American Brass Co. (Photo-Engraving for Half Tone Work), Waterbury, Conn.
Branch offices, see adv index at end of book
Benson Rolling Mills, Inc. (Raw & Polished Sheets), Glen Ridge, N. J.
Dom G. C. Supply Co., 125 E Pearl, Cincinnati, Ohio
Rolled Plate Metal Co., 52 Van av, New York

10837—Photographers (Architectural)

Barnum Wm. T., 537 S Dearborn, Chicago, Ill.
Chicago Architectural Photographing Co., Marquette bldg, Chicago, Ill.
Rockwood Photo Studio, 1836 Amsterdam av, New York

10837a—Photographic & Photo Engraving Arc Lamps Mfgs.

PEASE C. F. CO., 820 N. Franklin, Chicago
See adv index at end of book

10838— Photol

Merck & Co., 45 Park pl, New York
Shimer & Co. Inc., 133H S 4th, Phila., Pa.

10839— Photometers

American Meter Co. (Jet, "Sugg-Letheby" Style "B," Closed & Portable), 2112 N 17th, Phila., Pa.
Bausch & Lomb Optical Co., 637 St. Paul, Rochester, N. Y.
Dwyer Machine Co., Lynn, Mass.
Foote-Pierson & Co. ("Matthews," "Sharp-Miller"), 160 Duane, New York
Leeds & Northrup Co. (Lamp Testing, "Reichsanstalt" Precision & Station), 4901 Stenton av, Phila., Pa.
Queen-Gray Co., 64-70H W Johnson, Phila., Pa.
Standard Calorimeter Co., East Moline, Ill.
Thompson-Levering Co. ("Peerless"), 325 Arch, Phila., Pa.

10840—Photo-Micrographic Apparatus

Bausch & Lomb Optical Co., Rochester, N. Y.
Elmer & Amend, 205 E 18th, New York
Leitz Ernest (Imp), 60 E 10th, New York

10840a—Phthalic Anthrydride

Ciba Co. Inc., 184 Cedar, New York
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Greeff R. W. & Co., 78 Front, New York
Walker Chemical Co., 804 Carson, Pittsburg, Pa.
Williamson & Co., 80 Church, New York
Youngstown Chemical Co., Youngstown, O.

10841—Physical Laboratory Apparatus

Elmer & Amend, 205 E 18th, New York
Griebel Instrument Co., Dept. H, Carbondale, Pa.
Knott L. E. Apparatus Co., 79 Amherst, Cambridge, Mass.
University Apparatus Co., 2229 McGee av, Berkeley, Cal.
Welch W. M. Scientific Co., 1516 Orleans, Chicago, Ill.

10842— Pianos

Marked thus * also make Player Pianos
Marked thus † make Player Pianos only
See also Organs

CALIFORNIA.

Coops & Sons Piano Co., 1180 S Fair Oaks av, Pasadena, Cal.
SAN FRANCISCO—Fay Robert, 567 Valencia
Pierce Walter S. Co., 691 14th

CONNECTICUT.

DERBY—*Sterling Company
NEW HAVEN—Mathushek Piano Mfg. Co., 193 Church
Shoninger B. Co., 511 Chapel
SHELTON—*Huntington Piano Co.
STAMFORD—Kroeger Piano Co.
WEST HARTLAND—Hall Organ Co.

ILLINOIS.

CHICAGO—Bauer Julius & Co., 305 S Wabash av
Bent Geo. P. Co., 214 S Wabash av
Brinkerhoff Piano Co., 209 S State
Bush & Gerts Piano Co., 1550 Dayton
*Cable Co., 301 S Wabash av
*Cable-Nelson Piano Co., 209 S State
Chickering Bros., 2250 S Park av
Clemons C. B. Co., 4240 Madison
*Decker Bros. Co., 1222 Miller
Detmer Henry, 1454 N Claremont
Gulbransen-Dickinson Co., 3232 W Chicago
*Kimball W. W. Co., 304 S Wabash av
*King Piano Co., 208 S La Salle
Leies J. & Son, 1956 Larrabee
*Lyon & Healy, 245 S Wabash av
*Marquette Piano Co., 2439 Wallace
Marshall Piano Co., 1510 N Dayton av
*Newman Brothers Co., 806 Dix
Operator's Piano Co. (Electric), 16 S Peoria
Price & Teeple Piano Co., 218 S Wabash av
*Reed & Sons Piano Mfg. Co., 1022 Wilson
Reichardt Piano Co., 1131 Milwaukee av
Schaeffer Piano Mfg. Co., 218 S Wabash av
Sherp B. & Sons, 2102 Clybourn av
Schulz M. Co. ("Schulz" & "Warner" Player), 711 Milwaukee av.
Seeburg J. P. Piano Co. ((Electric), 1510 Dayton
†Singer Piano Mfg. Co., 238 S Wabash
Smith, Barnes & Strohber Co., 1373 Clybourn av
†Star Music Co. (Coin Operated), 6027 Indiana av
Starck P. A. Piano Co., 308 S Wabash av
*Steger & Sons Piano Manfg. Co., 238 S Wabash av
*Story & Clark Piano Co., 317 S Wabash av
Tonk Mfg. Co., 1912 Lewis
Weber & Sons, 1256 Wellington av
Werner Piano Co., 1325 Milwaukee av
Williams Piano & Organ Co., 1257 Fullerton av
*Wurlitzer Rudolph Co., 329 S Wabash av
CHICAGO HEIGHTS—*Hamilton Organ Co. (See Baldwin Piano Co., Cincinnati, O.)
DE KALB — *Clark Melville Piano Co. (See Chicago, Ill.)
ELGIN—*Seybold Piano & Organ Co
GALESBURG—Wenzelman Gustave
KANKAKEE — *Schaeffer Piano Works (See Chicago, Ill.)
MOLINE—Peterson J. Co.
OREGON—*Schiller Piano Co.
OTTAWA—Johnson E. P. Piano Co.
ROCKFORD—*Haddorff Piano Co.
*Schumann Piano Co.
STEGER—Reed & Sons Piano Mfg. Co. (See Chicago, Ill.)

INDIANA.

BRAZIL—*Knight-Brinkerhoff Piano Co.
FORT WAYNE—Packard Piano Co.
HAMMOND—Straube Piano Co.
HUNTINGTON—*Schaff Bros. Co.
LA PORTE—*Cable Hobart M. Co.
MUNCIE—*Bell Bros. Piano Co.
NEW CASTLE—French Jesse & Sons Piano Co.
PERU—*Chute & Butler Co.
RICHMOND—*Starr Piano Co.

KENTUCKY.

DAYTON—*Harvard Piano Co. (See John Church Co., Cincinnati, O.)
LOUISVILLE—Adler Mfg. Co.
†Burke P. L & Co.
Pilcher's Henry Sons

MAINE.

FOXCRAFT—Hughes & Son Piano Mfg. Co.

MARYLAND.

BALTIMORE — Shaw Piano Co., 1640 Gorsuch av
*Stieff Chas. M., 9 N Liberty
*Decker & Son, 701 E 135th

MASSACHUSETTS.

AMESBURY—Bourne Wm. & Son Piano Co.
*Chickering & Sons, 791 Tremont
*Hallet & Davis Piano CUo., 146 Boylston
*Ivers & Pond Piano Co., 258 Boylston
*Kraft, Bates & Spencer, 80 Kingston
*McPhail A. M. Piano Co., 40 Waltham
Mason & Hamlin Co., 492 Boylston
*Miller Henry F. & Sons Piano Co., 395 Boylston
*National Piano Co., 661 Boylston
*Stieff Chas. M., 156 Boylston (See Baltimore)
*Vose & Sons Piano Co., 160 Boylston
CAMBRIDGE—Poole Piano Co.
FALL RIVER—Cote Piano Mfg. Co.
LEOMINSTER—*Jewett Piano Co.
*Webster Piano Co.
PITTSFIELD—†Telelectric Co. (See New York City)
WAKEFIELD—Miller Hy. F. & Sons Piano Co. (Trowbridge Dept.)
WORCESTER—†Simplex Player Action Co., 161 Summer

MICHIGAN.

ADRIAN—Clough & Warren Co.
DETROIT—Clough & Warren Co., 1510 Broadway
GRAND HAVEN—*Story & Clark Piano Co. (See Chicago, Ill.)
GRAND RAPIDS—Manville J. A. National Piano Mfg. Co. (Coin Operated)
HOLLAND—*Bush & Lane Piano Co.
MUSKEGON—*Chase-Hackley Piano Co.
SAGINAW—*Germain Piano Co.
SOUTH HAVEN—*Cable-Nelson Piano Co. (See Chicago, Ill.)
*Melin-Winkel Piano Co.

MINNESOTA.

FARIBAULT—Schimmel & Co.
MINNEAPOLIS—Holland Pianos Mfg. Co.
ST. PAUL—Dyer W. J. & Bro.
Raudenbush & Sons Piano Co.
*Wick P. S. Co.

NEBRASKA.

COLUMBUS—Fontein M. H. Piano Co.
OMAHA—Schmoller & Mueller Piano Co.

NEW HAMPSHIRE.

HAMPTON—Brown Moses W. & Co.

NEW JERSEY.

NEWARK—*Lauter Co., 593 Broad
PATERSON—Paterson Piano Case Co.
RAHWAY—†Regina Co.
WASHINGTON—Cornish Co.
*Florey Bros.
WEST HOBOKEN—*Ronchi & Son
WOODBURY—*Blasius Piano Co.

NEW YORK.

ALBANY—*Boardman & Gray
AUBURN—*Wegman Piano Co.
JAMESTOWN—*Ahlstrom Piano Co.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Sterling Piano Co., 81 Court
*Wissner & Sons Inc., 55 Flatbush av

Boroughs of Manhattan and Bronx.

NEW YORK—†Aeolian Co., 29 W 42d
*American Piano Co., 439 5th av
Archer Piano Co., 549 W 52d
†Autopiano Co., 629 W 50th
†Autotone Player Piano Co., 542 W 52d
Baldwin Piano Co., 58 W 40th
Baumeister Piano Co., 549 W 52d
*Becker Brothers, 767 10th av
Behning Piano Co., 306 E 133d
Biddle Piano Co., 107 E 128th
*Bjur Bros., Whitlock & Leggett avs
*Bogart Piano Co. ("Bogart"), Willow av & 135th
*Boilermann Arthur M., 337 E 133d
*Brambach Piano Co., 133 E 97th
Braumuller Piano Co., 334 W 42nd
*Byrne C. E. Piano Co., 136 E 41st
Cable & Sons, 550 W 38th
Cameron A. B. Piano Co., 267 E 133rd
Christman Piano Co., 597 E 137th
†Claviola Co., 520 W 48th
Connor Francis, 343 Lexington av
*Davenport-Treacey Piano Co., 626 W 51st
*Doll Jacob & Sons, 100 Southern blvd
Electrova Co., 117 Cypress av
Estey Piano Co., So. blvd & Lincoln av
*Fischer J. & C. ("Fischer"), 437 5th av
*Frederick Piano Co., 125 Cypress av
*Gabler Ernest & Bro., 132 W 42nd
*Gordon Piano Co., 709 Whitlock av
*Haines W. P. & Co., 113 E 138th
*Hardman, Peck & Co., 433 5th av
*Harrington E. G. & Co., 433 5th av
*Hazelton Bros., 637 W 55th
*Howard R. S. Co., 485 E 133d
Jacob Brothers Co., 539 W 39th
*James & Holmstrom, 25 W 57th
*Keller Henry & Sons, 758 Witlock av
*Kindler & Collins, 520 W 48th
*Kirchhoff Piano Co., 2777 3rd av
*Kohler & Campbell, 601 W 50th
*Krakauer Bros., 125 W 42d
*Kranich & Bach, 235 E 23d
*Laffargue Co., E 134th & Cypress av
Lawson Piano Co., 372 E 149th
*Lindeman & Sons Piano Co., 4 W 140th
*Ludwig & Co., 136th & Willow av
Lurch Piano Co., 108 Lexington
*Mansfield Piano Co., 751 E 135th
Mason & Hamlin Co., 313 5th av
*Mathushek & Son Piano Co., 37 W 37th
Mehlin Paul G & Sons, 509 5th av
*Milton Piano Co., 772 12th av
Newby & Evans Co., So. blvd near E 136th
*Pease Piano Co., 128 W 42nd
Pianista Piano Co., 614 W 51st
Radle F., 609 W 36th
Ricca & Son, 89 South blvd
Schencke Piano Co., 432 Austin pl
Schmidt-Daubert Co., 406 W 14th
Shoninger B Co., 749 E 135th
Smith F. G., 115 B'way, New York
Sohmer & Co., 31 W 57th
*Steck Geo. & Co., 605 E 132d
Steinway & Sons, 109 E 14th
*Stuyvesant Piano Co., 605 E 132d
Tonk Wm. & Bro., 456 10th av
*Waters Horace & Co., 134 5th av
*Weber Piano Co., 29 W 42d
Welte M & Sons, 667 5th av
*Weser Brothers, Inc., 524 W 43d
Weydig Piano Corp., 485 E 133rd
*Wheelock Piano Co., 605 E 132d
*Wing & Son 9th av & 13th
*Winter & Co., 863 E 141st
Winterroth & Co., 8 Union sq
*Wuertz O. W. Co., 1518 3d av
*Wurlitzer Rudolph Co. (Automatic), 120 W 42nd

(End of New York City)

NORTH TONAWANDA—*Wurlitzer Rudolph Mfg. Co.
POUGHKEEPSIE—Welte M. & Son
ROCHESTER—Gibbons & Stone
Ropelt & Pritchard
ST. JOHNSVILLE—*Englehardt Piano Co.
WALTON—Munn Piano Co.
YONKERS—Steadman Frank

OHIO.

CINCINNATI—*Baldwin Co., 142 W 4th
Baldwin Piano Co., Gilbert av
Church John Co., 109 W 4th
Ellington Piano Co., Gilbert av
Krell Piano Co., 9th & Harriet
Smith & Nixon Mfg. Co., 126 W 4th
Starr Piano Co., 27 W 4th
Steinway & Sons, 118 W 4th av
*Wurlitzer Rudolph Co., 121 E 4th av
COLUMBUS—Lindenberg Piano Co.
COSHOCTON—*Compton-Price Co.
MARION—*Ackerman Henry Piano Co.
MASSILLON—Bammerlin Oscar W.
Bammerlin Wm. A.
Meuser Brothers
NORWALK—*Chase A. B. Co.

OREGON

PORTLAND—Reed-French Piano Mfg. Co., 435 Washington

PENNSYLVANIA.

EASTON—Keller William H. & Son
Lehr H. & Co.
ERIE—Tellers-Kent Organ Co.
HAZLETON—Kellmer Piano Co.
LEBANON—Johnson, Kirk & Co.
Miller Organ & Piano Co.
LESTER—Lester Piano Co.

(Continued on following page)

Pianos—Continued
PENNSYLVANIA—Continued
PHILADELPHIA—*Blasius & Sons, 40 S 16th
*Cunningham Piano Co., 1101 Chestnut
Heppe Christopher J. & Sons, 1117 Chestnut
Lester Piano Co., 1308 Chestnut
Ludwig Piano Co., 1103 Chestnut
Nittinger S., 1204 N 5th
PORTLAND—Reed-French Piano Mfg. Co.
Schoenhut A. Co. (Toy), E Hagrt & Sepvia
Stetson N. & Co., 1111 Chestnut
PITTSBURGH—Frederick W. F. Piano Co., 635 Smithfield
WARREN—Warren Piano Co.
YORK—*Weaver Piano Co. (Also Player Piano)

WISCONSIN.
MARINETTE—Kreiter Mfg. Co. (See Milwaukee, Wis.)
MENOMONIE—Holland Piano Mfg. Co.
MILWAUKEE—Gram Edmund, 414 Milwaukee
Kreiter Mfg. Co., 1043 Winnebago
*Milwaukee Piano Mfg. Co., 270 W Water
Netzow C. F. Mfg. Co., 1st & Becker
*Waltham Piano Co., Becker av & 1st
SHEBOYGAN—*Miller S. W. Piano Co.

10843— Pickaroons

See also Tools, Logging

American Logging Tool Co., Evart, Mich.
Ransome Concrete Machinery Co., Dunellen, N. J.
Warren Axe & Tool Co., Warren, Pa.

10844— Pickers (Bean)

Bacon Mfg. Co., Pontiac, Mich.
Owens J. L. Co., Fulton & S E Huron, Minneapolis, Minn.

10845—Pickers (Coffee & Peanut)

Benthall Machine Co. (Peanut), 115 Shoop, Suffolk, Va.
Chattanooga Implement & Mfg. Co. (Peanut), Chattanooga, Tenn.
HEEBNER & SONS ("Little Giant" Peanut), Lonsdale, Pa.
Lambert Machine Co., Marshall, Mich.
Southern Implement Mfg. Co., Dept. H, Columbus, Ga.

Pickers (Corn)

See Pickers & Huskers, Corn

10846— Pickers (Fruit)

Automatic Fruit Collector Co. ("Creed Patent" Prune Picker), Monte Vista, Cal.
Darby Edw. J. & Son ("Pennsylvania"), 319 Vine, Phila., Pa.
See adv index at end of book
Hamblin & Russell Mfg. Co., Worcester, Mass.
Komada Bros., 1008 Vine, Phila., Pa.
Northwest Fence & Wire Works ("Bastian" Picker), E 11th & Flanders, Portland, Ore.
Parker Wire Goods Co. (Galvanized & Returned Wire), Worcester, Mass.
Royal Mfg. Co. 406 Commerce, Phila. Pa.
Wedmore D. A. & Co. ("Pennsylvania"), Camden, N. J.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Woods-Sherwood Co. ("Peerless," "Perfect," Wire), 281 Union, Worcester, Mass.

10847— Pickers (Pea)

Gordon L. S. Elizabeth City, N. C.

10848—Pickers & Huskers (Corn)

Appleton Mfg. Co. ("Appleton-Goodhue"), Batavia, Ill.
Clark R. F. Mfg. Co., 702 N Halsted, Chicago, Ill.
International Harvester Company of America (Inc.), ("Deering," "McCormick"), Harvester Building, Chicago, Ill.
Steiner August, Homewood, Ill.

10849— Pickets (Wire)

Cyclone Fence Co., Waukegon, Ill.
Stowell Co. The, Sc. Milwaukee, Wis.

10849a— Pickets (Wood)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*

Picks (Asphalt & Concrete)

See Picks, Mattocks & Grub Hoes

10850— Picks (Boiler)

Brewer Bros. Co. (Cast Steel), 2743 N 2nd, Phila., Pa.
Iron City Tool Works (Ltd.), 3201 Smallman, Pittsburgh, Pa.
Leetonia Tool Co., Leetonia, O.
Stanley Rule & Level Co. (Atha Division), New Britain, Conn.
Stortz John & Son, 210 Vine, Phila., Pa

Picks (Drifting)

See Picks, Mattocks & Grub Hoes

10851-2—Picks (Dutch Head & Point)

Hardsocg Mfg. Co., Ottumwa, Ia.

10853— Picks (Flax Tow)

Foster & Williams Mfg. Co., Racine, Wis.

10854— Picks (Hookaroon)

See also Tools, Logging

American Logging Tool Co., Evart, Mich.
Ransome Concrete Machinery Co., Dunellen, N. J.
Warren Axe & Tool Co. ("Bulldog"), Warren, Pa.

10855— Picks (Ice)

Arcade Mfg. Co. (Also Sliding Pick), Freeport, Ill.
Bodenstein J. G. & Co., Staatsburg, N. Y.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Browne W. G. Mfg. Co. ("Browne," Needle Pointed), Kingston, N. Y.
Browne & Dowd Mfg. Co., Meriden, Conn.
Briddell Chas. D., 820 W Main, Cristfield, Md.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Burgess & Norton Mfg. Co. ("Bur-Nor" Ice Pick & Shaver Combined), Geneva, Ill.
Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Deuse J. S., Chester, Conn.
Duffy Mfg. Co., 214 W Grand av, Chicago, Ill.
General Phonograph Corp., 15 N 18th, New York
Gilchrist Co., 236 Bank, Newark, N. J.
Goodell-Pratt Co., Greenfield, Mass.
Gray Iron Foundry Co., Reading, Pa.
Hills Edwin, Plainville, Conn.
Landers, Frary & Clark (Steel Blade), New Britain, Conn.
Mayhew H. H. Co., Shelburne Falls, Mass.
Nicol & Co. (White City"), 218 N Jefferson, Chicago, Ill.
Osborne C. S. & Co., Box 183, Newark, N. J.
See adv index at end of book
Parkinson Edw. Mfg. Co. ("Royal," "Old Doctor"), 84 Sprague, Providence, R. I.
Potter Mfg.Co. (Steel, Wood Handle), Geneva, O.
Robinson M. W. Co., 296 B'way, New York
Rocky Hill Hardware Co. (Awls, Chisels & Picks), Rocky Hill, Conn.
Sargent & Co., New Haven, Conn.
Snell Mfg. Co., Fiskdale, Mass.
Southington Hdwe. Co., Southington, Conn.
Stanley Rule & Level Plant ("Hurwood"), New Britain, Conn.
Stephens A. W. Mfg. Co. ("Acme"), Waltham, Mass.
Stevenson Mfg. Co. (Hickory Handle), South Bend, Ind.
See adv index at end of book
Stortz John & Son, 210 Vine, Phila., Pa.
Stover Mfg. & Engine Co. ("Ideal") Freeport, Ill.
Swan Jas. Co., Seymour, Conn.
Thayer Mfg. Co., Williamsburg, Mass.
Thomson Drop Forge Co., Plantsville, Conn.
Troy Wire Goods Co., 5 Front, Troy, New York
Tuck Mfg. Co. (Ice Awls), Brockton, Mass.
Vaughan Novelty Mfg. Co. ("Dandy" Steel), 711 Fulton, Chicago, Ill.
Wells Corporation (The) ("Williamsburg" & Bar), 15 Arch, Greenfield, Mass.
See adv index at end of book
White Ira F. & Son, Bloomfield, N. J.
Williams A. C. Co., Ravenna, O.
Wrightsville Hdwe. Co., Wrightsville, Pa.

Picks (Locomotive Coal)

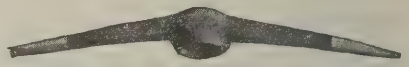
See Picks, Mattocks & Grab Hoes

10856—Picks, Mattocks & Grub Hoes

See also Picks, Mining

American Axe & Tool Co. (Adze Eye Pick, etc), Glassport, Pa.
Atlas Engineering Co., Lincoln, N. J.
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Beall Bros. (Solid Steel), Alton, Ill.
Boker Cutlery & Hardware Co. ("Alsteel"), 101 Duane, New York
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Bullock C. K. Co., 1357H Ridge av, Phila., Pa.
Colclesser Bros., El Dorado, Pa.
Collins Co., Collinsville, Conn.
Cronk & Carrier Mfg. Co. (Garden Mattocks & Grub Hoes Only), 150 Lake, Elmira, N. Y.
Cushman Auto Tool Co., Champaign, Ill.
Hardsocg Mfg. Co. ("Black Diamond"), Ottumwa, Ia.
Higgins John C. ("Higgins"), 1218 W Grand av, Chicago, Ill.
Hubbard & Co., 63d & Butler, Pittsburgh, Pa.
Iron City Tool Works (Ltd.), 3201 Smallman, Pittsburgh, Pa.
Jesup F. W. & Co., Inc., 90 W B'way, New York
Kalamazoo R'y Supply Co., Kalamazoo, Mich.
Kern, Fleetwood, Pa.
Klein-Logan Co., 13th & Breed, Pittsburgh, Pa.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Mohr E. H., Vera Cruz, Pa.
Moyle E. H. Engng. & Equipt. Co. ("Moyle"), 508 E. 9th, Los Angeles, Cal.
Oliver Iron & Steel Co. (Pick & Long & Short Cutter), S 10th & Muriel, Pittsburgh, Pa.
Plumb Fayette R. Inc., 4837 James, Phila., Pa.
Pollard Jos. G., 141 Raymond, Brooklyn, N. Y.
Sargent & Co., New Haven, Conn.
Sprout, Waldron & Co., Muncy, Pa.
Union Drop Forge Co., 358 W Grand av, Chicago, Ill.
Verona Tool Works, Plum, Pittsburgh, Pa.
Vulcan Tool Mfg. Co., Quincy, Mass.
Warren Tool & Forge Co, 145 Griswold, Warren, O. *See adv index at end of book*

PICKS



The Warren Tool & Forge Co.
145 Griswold St., Warren, Ohio, U. S. A.

WARWOOD TOOL CO., 19th, Warwood, Wheeling, W. Va.
Weston Thos. B., 708 Light, Baltimore, Md.
What Cheer Tool Co. ("What Cheer"), What Cheer, Ia.
Wyoming Shovel Wks., Wyoming, Pa.

Picks (Mill)

See Picks, Mattocks & Grub Hoes)

10857— Picks (Mining)

American Axe & Tool Co., Glassport, Pa.
American Mining Tool Co. ("Scott," Cutting & Mining), Ottumwa, Iowa
Beall Bros. (Inc.) (Solid Steel), Alton, Ill.
Dooley Bros. (Jobbers), 1201 S Washington, Peoria, Ill.
Gill Mfg. Co., Phillipsburg, Pa.
Hardsocg Mfg. Co. ("Black Diamond," Coal), Ottumwa, Ia.
Hardsocg Martin Co., 920 South av, Pittsburgh, Pa.
Ingersoll-Rand Co. (For Coal), 11 Broadway, New York
See adv index at end of book
Iron City Tool Works (Ltd.), 3201 Smallman, Pittsburgh, Pa.
Jesup F. W. & Co. Inc., 90 W B'way, New York
Klein-Logan Co., 13th & Breed, Pittsburgh, Pa.
Leetonia Tool Co. (Coal), Leetonia, O.
Oliver Iron & Steel Co. (Coal, etc.), S 10th & Muriel, Pittsburgh, Pa.
Pittsburgh Trolley & Forge Co., Pittsburgh, Pa.
Plumb Fayette R. Inc., 4837 James, Phila., Pa.
Salem Tool Co., Salem, Ohio
Union Drop Forge Co. (Solid Steel Forged), 358 W Grand av, Chicago, Ill.
Verona Tool Works, Oakmont, Pa.
Warren Tool & Forge Co., 145 Griswold, Warren, O. *See adv index at end of book*
Warwood Tool Co. ("Warwood" Coal Picks), 19th, Warwood, Wheeling, W. Va.
What Cheer Tool Co. ("What Cheer" Coal), What Cheer, Ia.
Wyoming Shovel Wks., Wyoming, Pa.

10858—Picks (Mining Machine)

Beall Bros., Alton, Ill.
Iron City Tool Works (Ltd.) (Coal or Puncher), 3201 Smallman, Pittsburgh, Pa.
Jesup F. W. & Co. Inc., 90 W B'way, New York
Klein-Logan Co., H, 13th & Breed, Pittsburgh, Pa.
Leetonia Tool Co. (Puncher), Leetonia, O.
Pittsburgh Knife & Forge Co. (Puncher Picks), Ridge & Chateau, Pittsburgh, Pa.
Pittsburgh Trolley & Forge Co., Pittsburgh, Pa.
Salem Tool Co. (Puncher), Salem, O.
Valley Forging Co. (Puncher Picks), Verona, Pa.
Warwood Tool Co., 19th, Warwood, Wheeling, W. Va.
Western Tool & Forge Co. (Puncher), Brackenridge, Pa.

10859— Picks (Peavey)

American Logging Tool Co., Evart, Mich.

10860—Pick-Ups (Trolley Wire)

Electric Service Supplies Co. ("Improved St. Louis"), 17th & Cambria, Phila., Pa.
Ohio Brass Co., Mansfield, O.

10861—*Picric Acid Apparatus

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Knight Maurice A., Akron, Ohio

10862—Picture Cable (Flexible Moving)

Driver-Harris Co., Harrison, N. J.
See adv index at end of book

10862a— Picture Frames

Borin Mfg. Co., 837 S Western av, Chicago, Ill.
DU PONT E. I. DE NEMOURS & CO., INC., Pyralin Div. ("Pyralin," See Adv. at Celluloid), Arlington, N. J.
See adv index at end of book
Leotaud A. B., 137H Glen, Glens Falls, N. Y.
Paulsen-Brooks Mfg. Co., 766 E 12th, Los Angeles, Cal.
ROYAL COMB CO. ("Pyroxolyn"), 180 Pond, Leominster, Mass.
Schussler Bros., 826 Grove, San Francisco, Cal.
Ullman Mfg. Co., 338 E 59th, New York

10862b—*Pieces (Wood Mouth)

Estes E. B. & Sons (Wood), 364 5th av, New York *See adv index at end of book*

10863— Piezometers

Simplex Valve & Meter Co., 110 N Broad, Phila., Pa.

Pig Aluminum

See Ingots, Aluminum

Pig Copper

See Ingots, Brass & Copper

10864— Pig Forceps

Leavitt Mfg. Co. ("Dr. Leavitt"), Urbana, Ill.
Pratt Wm. E. Mfg. Co. ("Dr. Mendenhall's"), 35 W Lake, Chicago, Ill.

Pig Iron Mfrs.

See Blast Furnaces

10865—Pig Iron & Coke Dealers

See also Blast Furnaces

Addy Matthew Co., 1st National Bank bldg, Cincinnati, O.
American Rolling Mill Co. (Low Sulphur Pig), Middletown, Ohio.
Balfour Guthrie & Co., Balfour bldg, San Francisco, Cal.
Berger Aiken Coal Co., H, Oliver bldg, Pittsburgh, Pa.
Bourne-Fuller Co., Hickox bldg, Cleveland, O.
Breen Wm. J. Co. ("Sloss-Sheffield" Brands), 84 State, Boston, Mass.
Brooks Clyde (Mfrs. Agent), Farmers Bank bldg, Pittsburgh, Pa.
Byrd John U., 814 Edwards, Cincinnati, O.
Casse Jos. (Imp.), 369 Pine, San Francisco, Cal.
Cox Justice, Jr., & Co., Land Title bldg, Phila., Pa.
Crocker Bros., 21 E 40th, New York
Debevoise-Anderson Co., 114 Liberty, New York
Domhoff & Joyce Co., 4th & Elm, Cincinnati, O.
Eaton, Rhodes & Co., 1st Nat. Bank bldg, Cincinnati, O.
Framerican Industrial Development Co., 21 E 40th, New York
Gano, Moore & Co., Land Title bldg, Phila., Pa.
Hammond Byrd Iron Co., Birmingham, Ala.
Hanna M. A. & Co., Leader News bldg., Cleveland, O.
Heyward Thos. R. Co., Farmers Bank bldg, Pittsburgh, Pa.
Horner W. S. & C., Oliver bldg, Pittsburgh Pa.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Iron & Ore Corp. (Imp.), 11 B'way, New York
Isham Phillips, 30 Church, New York
Key Jno. L., 14 New Montgomery, San Francisco, Cal.
Lavino M. J. & Co., H, Bullitt bldg, Phila., Pa.
Law Ernest & Co., Harrison bldg, Phila., Pa.
McKeefrey & Co., Leetonia, O.
Meyer Wilson & Co. (Importers), 435M Calif., San Francisco, Cal.
Moffat Frank D. & Co., 300 5th av, New York
Mohr J. J. & Son, Bullitt bldg, Phila., Pa.
Naylor & Co. (Pig Iron), 120 Broadway, New York
Oglebay, Norton & Co., Wade bldg, Cleveland, O.
Park & Williams Inc. (Pig Iron), Real Estate Tr. bldg, Phila., Pa.
Pickands, Brown & Co., 332 S Michigan av, Chicago, Ill.
Pickands, Mather & Co., Union Trust bldg, Cleveland, O.
Pierpiont, James & Sons Co., Franklin Trust bldg, Phila., Pa.
Rogers, Brown & Co., 77-78 Carew bldg, Cincinnati, O.
St. Louis Coke & Chemical Co., Boatmen's Bnk bldg, St. Louis, Mo.
Samuel Frank & Co., Harrison bldg, Phila., Pa. *See adv index at end of book*
Savage John A. & Co. (Pig Iron), 825 Dixie Terminal, Cincinnati, O.
Shimer & Co., Inc., 133H S 4th, Phila., Pa.
Shook & Fletcher Supply Co. (Pig Iron), Birmingham, Ala.
Snyder W. P. & Co., Oliver bldg, Pittsburgh, Pa.
Spreckels Bros. Commercial Co., Citizens Bank bldg, Los Angeles, Cal.
Squier Ed. E. Co. (Coke), Federal Reserve Bank bldg), St. Louis, Mo.
Stewart Furnace Co., Union Trust bldg, Cleveland, Ohio
Superior Charcoal Iron Co., Grand Rapids, Mich.
Tennant C. Sons & Co. of N. Y. ("Scotch" & "English" Pig Iron, Imp.), 19 W 44th, New York
Tutein E. A. Lnc., 200 Devonshire, Boston, Mass.
Walter-Wallingford & Co., Traction bldg,
WIEMAN & WARD CO., 555 Union Trust bldg, Pittsburgh, Pa.
Wittman N. B. & Co., Commercial Trust bldg, Phila., Pa.

10866— Pig Tails (Copper)

American Pig Tail Co., St. Marys, Pa.
Salem Electrical Supply Co., Salem, Mass.
Sofrancy H. Co., Allentown, Pa.

Pig Zinc

See Ingots, Zinc

Pigeons (Clay)

See Traps & Targets, Trap Shooting

10866a—*Pigeons (Wood-decoy)

Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

10867— Pigments

Acheson Graphite Co. (Graphite), Niagara Falls, N. Y.
Akron Pigment Co. (Alumina), Akron, O.
Doggett Stanley, 11 Cliff, New York
DU PONT E. I. DE NEMOURS & CO., INC., (Lithopone, Pigments & Heavy Chemicals Div.), 3500 Grays Ferry rd, Phila., Pa. *See adv index at end of book*
Industrial Chemical Co. (Black), 1414 Fifth Ave. bldg, New York
See adv index at end of book
International Silica Co., Cairo, Ill.
Krebs Pigment & Chemical Co. (Lithopone Only), Newport, Del.
Luning Mineral Products Co. (Red & Brown Metallic), Russ bldg, San Francisco, Cal.
Metals Extraction Corp., 5501 S Boyle av, Huntington Park, Los Angeles, Cal.
NEW JERSEY ZINC SALES CO., THE (Zinc Oxide & Lithopone), 158 Front, New York
See adv index at end of book

ALBALITH (Lithopone)
ZINC OXIDE
including KADOX
French, American and Palmerton Processes
The New Jersey Zinc Co.
Products distributed by
THE NEW JERSEY ZINC SALES CO.

Siegle G., Rosebank, N. Y.
Smith J. Lee & Co. (Turkey Umber), 19 Jacob, New York
Tamms Silica Co. (Paint), Tamms, Ill.
Titanium Pigment Co. ("Titanox" Paint Pigment) Niagara Falls, N. Y.

10868— Pigments (Rubber)

Doggett Stanley, 11 Cliff, New York.
Scheel Wm. H. (Imported), 179 Water, New York *See adv index at end of book*

10869— Pigs (Nitre)

Pratt Engineering & Machine Co., Atlanta, Ga.

10870— Pile Driver Fittings

Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Vulcan Iron Works, 327 N Irving av, Chicago, Ill.

Pile Drivers (Pneumatic)

See Pneumatic Pile Drivers

10871—Pile Drivers (Railroad Car)

Browning Co., E 162d & Waterloo rd, Cleveland, O.
Bucyrus Co. (Locomotive), South Milwaukee, Wis.
Industrial Works, Bay City, Mich.
Toledo Foundry & Machine Co., Toledo, O.

Pile Drivers (Sheet)

See Pneumatic Pile Drivers

Pile Driving Contractors

See Dock Builders

10872-3— Pile Shoe

Channon Jas. H. Mfg. Co. (Points or Shoes), 327 W Erie, Chicago, Ill.
Gracey R. & Sons Co., 115 1st av, Pittsburgh, Pa.
HARRY L. C. CO., 114 Liberty, New York
Hill Clutch Machine & Foundry Co., W 65th, Cleveland, Ohio
McGookin D. H. & Co., 1630 N 9th, Phila., Pa.
Vulcan Iron Works, 327 N Irving av, Chicago, Ill.

10874— Piles (Concrete)

Carey Construction Co. (Engineers & Contractors), Cleveland, O.
Chesley, Earl & Heimbach, 30 Breckenridge, Buffalo, N. Y.
Cummings Structural Concrete Co. (Reinforced), Benedum Trees bldg, Pittsburgh, Pa.
Electric Welding Co., Benedum Trees bldg, Pittsburgh, Pa.
Great Lakes Dredge & Dock Co., 104 S Michigan av, Chicago, Ill.
Hill Clutch Machine & Foundry Co., W 65th, Cleveland, Ohio
MacArthur Concrete Pile & Foundation Co., 55 John, New York
Massey Concrete Products Co., Peoples Gas bldg, Chicago, Ill.
Monks-Ripley Pile Co. ("Ripley" Combination Concrete & Wood), 438 B'way, New York
RAYMOND CONCRETE PILE CO., 140 Cedar, New York
SIMMONS JOHN CO. (Pile Casings "Simmons"), 110 Centre, New York
See adv index at end of book
Simplex Pile Foundation Co., H, Keystone bldg, Pittsburgh, Pa.
Smith & Brennan Pile Co. (Reinforced, Corrugated), 400 N 1st, St. Louis, Mo.
Underpinning & Foundation Co. ("Hercules" Steel), 342 Madison av, New York

Piles (Creosoted)

See Creosoting Works

10875—Piling (Interlocking Steel)

American Bridge Co., 30 Church, New York
Bethlehem Steel Co. ("Lackawanna"), Bethlehem, Pa.
BROWN & SITES CO., 30 Church, New York
Carnegie Steel Co. ("Friestedt" Interlocking Channel Bar, "United States"), Carnegie bldg, Pittsburgh, Pa.
Jones & Laughlin Steel Co. (Sheet), Ross, Pittsburgh, Pa.
Lackawanna Steel Co. ("Lackawanna"), Buffalo, N. Y.
Simplex Pile Foundation Co., H, Keystone bldg, Pittsburgh, Pa.
Wemlinger J. R. & Co. Inc., 149 B'way, New York
Zelnicker Walter A. Supply Co. (Sheet Dealer), 325 Locust, St. Louis, Mo.

Piling Lumber

See Ties, Poles & Posts

Piling (Sheet Steel)

See Piling, Interlocking Steel

10875a— *Pillars (Wood)

Bogert & Hopper Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

Pillows (Air, Rubber)

See Cushions, Beds & Pillows, Air, Rubber

10876-7— Pilocarpine

Hoffmann La Roche Chemical Works, 19 Cliff, New York

10878— Pincers

Arcade Mfg. Co. (Cast Iron), Freeport, Ill.
Buffum Tool Co. ("Swastika" Blacksmiths,' Carpenters,' Farriers,' Clinching, etc), South Bdg, Louisiana, Mo.

(Continued on following page)

Pincers—Continued

Champion Tool Co. ("Maude S," "Favorite" Farriers, "Our Pride" Hardware), Meadville, Pa.
Dicke Tool Co. (Farriers, etc), Downers Grove, Ill.
Emrich Phil (Tanners'), 824 Main, Cincinnati, O.
Enderes Inc. (10½", 8½" & 6½"), Albert Lea, Minn.
Gray Iron Foundry Co. (Plain & Nickel plated), Reading, Pa.
Grey Iron Casting Co., Mt. Joy, Pa.
Griffith Tool Works (Blacksmiths & Farriers, etc.), 521 Market, Phila., Pa.
Heller Bros. Co. (Blacksmiths & Farriers), 870 Mt. Prospect av, Newark, N. J.
Osborne C. S. & Co. (Saddlers), Box 183, Newark, N. J.
Reading Saddle & Mfg. Co. ("Reading" Household), Reading, Pa.
Sargent & Co. (Carpenters, Horse Shoeing), New Haven, Conn.
Smith H. D. & Co. ("S.," "H. D. & Co." Blacksmiths' Shoeing, Carpenters,' Farriers,' Drop Forged), Plantsville, Conn.
Smith & Hemenway Co., Inc. ("Red Devil" Carpenters), 261 Broadway, New York, & 130 Coit, Irvington, N. J.
See adv index at end of book
Stanley Rule & Level Co. (Atha Division), New Britain, Conn.
Star Heel Plate Co., Wilson av, Newark, N. J.
Vaughan & Bushnell Mfg. Co. ("V. & B."), Drop Forged, Carpenters', Blacksmiths' Farriers'), 2114 Carroll av, Chicago, Ill.
Washington Cutlery Co. ("Village Blacksmith," Blacksmiths & Farriers), Watertown, Wis.
Washington Tool Co. ("Larson" Combination, etc.), Owatonna, Minn.
Williams A. C. Co., Ravenna, O.
Wrightsville Hardware Co. (Carpenters, etc), Wrightsville, Pa.

10879—Pincers (Tanners' Tacking)

Emrich Phil., 824 Main, Cincinnati, O.
Osborn C. S. & Co., Box 183, Newark, N. J.
See adv index at end of book

10879a—*Pinion Rod (Hobbed)

MEISSELBACH-CATUCCI MFG. CO., 56 Stanton, Newark, N. J.
See adv index at end of book

M-C GEARS PINION ROD
Gear Hobbing Machines
Meisselbach-Catucci Mfg. Co.
56 Stanton St., Newark, N. J.

10879b— Pinions (Bevel)

CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Meachem Gear Corp., Syracuse, N. Y.
See adv index at end of book
Van Dorn & Dutton Co., 2978 Woodhill rd, Cleveland, O.

10880—Pinions (Car Motor)

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Milwaukee Forge & Machine Co. ("M. T."), 340 Oklahoma, Milwaukee, Wis.
Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.

10881— Pinions (Cut)

Gerdes & Co., Inc., 41 Church, New York
See adv index at end of book

GEARS - All Kinds
GERDES & CO., INC.
42 Church St., New York, N.Y.

MEISSELBACH - CATUCCI MFG. CO. (Small), 56 Stanton, Newark, N. J.
See adv index at end of book
Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.

Pinions (Electric Railway)

See Gears & Pinions

10882—Pinions (Jewelers' Scale)

Bracher Co., Belleville, N. J.

10883—*Pinions (Made to Order)

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.

10884—Pinions (Mine Motor)

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.

10885—*Pinions (Mining Machine)

Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.

10886—*Pinions (Pressed Steel)

Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.

Pinions (Rawhide)

See Gears & Pinions, Rawhide

Pinions (Rolling Mill)

See Gears, Mill

10886a— Pinions (Steel)

Atlantic Steel Casting Co., Chester, Pa.
Bethlehem Steel Co., Bethlehem, Pa.
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
FOOTE BROS. GEAR & MACHINE CO., 217 N Curtis, Chicago, Ill.
See adv index at end of book
Fulton Iron Works Co. (Also Iron), 1259 Delaware av, St. Louis, Mo.
GERDES & CO. INC., 42 Church, New York
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
MEACHEM GEAR CORP., Syracuse, N. Y.
See adv index at end of book
Pollak Steel Co., Cincinnati, O.

10887—Pins (Air Brake & Knuckle)

Bethlehem Steel Co., So Bethlehem, Pa.
Champion Rivet Co., Harvard av & E 108th, Cleveland, O.
Cleveland City Forge & Iron Co., Cleveland, O.
Etna Forge & Bolt Co., 808 House bldg, Pittsburgh, Pa.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Oliver Iron & Steel Co., S 10th & Murial, Pittsburgh, Pa.
Otis, Spencer & Co., 80 E Jackson blvd, Chicago, Ill.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
St. Louis Screw Co. (Knuckle Coupler & Pivot), Clarence av E, St. Louis, Mo.
Scranton Bolt & Nut Co., Scranton, Pa.
Steel Car Forge Co., Frick bldg., Pittsburgh, Pa.
Valley Forging Co., Verona, Pa.
Western Railway Equipment Co. (& Knuckle), Central Nat. Bank bldg, St. Louis, Mo.
Western Tool & Forge Co., Brackenridge, Pa.

10888— Pins (Belaying)

Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Laughlin Thos. Co. (Wood, Brass & Galvanized), 135 Fore, Portland, Ore.
See adv index at end of book
McMillan's W. H. Sons, 153 South, New York
Malleable Iron Fittings Co. ("M. I. F. Co."), Branford, Conn.
Marine Hardware-Euipment Co., South Portland, Me.
Wilcox Crittenden & Co. Inc., 444 S Main, Middletown, Conn.
See adv index at end of book

10889— Pins (Bending)

Bernz Co., Inc., Otto, 17 Ashland, Newark, N. J.
See adv index at end of book
Carver Tool Works, Spring Valley, N. Y.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Wolverine Brass Works, Grand Rapids, Mich.

10890— Pins (Blanket)

Consolidated Safety Pin Co., Bloomfield, N. J.
Kohler F. E. Co. ("Ideal"), Canton, O.
Oakville Co., Waterbury, Conn.

10891— Pins (Bowling)

See also Ten-Pins
Bogert & Hopper, 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Klumpp's John G. Sons, 13 Baxter, New York
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

10892— Pins (Brass, Dress, Etc.)

American Pin Co. ("Ampinco"), Waterbury, Conn.
Crescent Brass & Pin Co. (Bank & Office, Brass), 5766H Trumbull, Detroit, Mich.
National Pin Co. ("Captain"), Derby, Conn.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Oakville Co. ("Sovran"), Waterbury, Conn.
Star Pin Co. (Brass, Hair, etc), Derby, Conn.
Sterling Pin Co., Derby, Conn.

10893—Pins (Bricklayers' Line)

Brewer Bros. Co. (Wrought), 2743, N 2nd. Phila., Pa.
Stortz John & Son, 210 Vine, Phila., Pa.

10894—Pins (Butchers' Block)

Brecht Co., 1201 Cass av, St. Louis, Mo.
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book
Vaughan & Bushnell Mfg. Co. ("V. & B." (Wrought Steel), 2114 Carroll av, Chicago, Ill.

10895— Pins (Button Badge)

Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Oakville Co., Waterbury, Conn.

10896— Pins (Clamp)

Hubbard & Co. ("Peirce" for Crossarms), 63d & Butler, Pittsburgh, Pa.

10896a— *Pins (Clevis)

Townsend Co., New Brighton, Pa.
See adv index at end of book

10897— Pins (Clothes)

Bogert & Hopper Inc. (Wood), 57 Barclay, New York. *See adv index at end of book*
Campbell & Keppen, Lamont, N. Y.
Celluloid Co., 36 Washington pl, New York
Clark J. R. & Co. ("Hoyt's" Spring), 2d av N & Aldrich, Minneapolis, Minn.
Cupples Sam'l Woodenware Co., 7th & Spruce, St. Louis, Mo.
Demeritt Co. ("Hold Fast" Spring), Waterbury, Vt.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Mann Lewis M. & Son, West Paris, Me.
Munising Woodenware Co. (Hard Wood), Piqua, Ohio
National Spring Clip Co. ("Moore's" Spring), Montpelier, Vt.
Northern Woodenware Co., Island Falls, Me.
Oval Wood Dish Co., Tupper Lake, N. Y.
Richardi & Bechtold, Bellaire, Mich.
Richmond Cedar Wks. (Hardwood), Fulton, Richmond, Va.
Sonestown Mfg. Co., Williamsport, Pa.
Stiles H. A. & Co. (Ordinary), 166-174 Portland, Boston, Mass.
See adv index at end of book
Tennant Sherman (Est. of), Northville, N. Y.
Troy Wire Goods Co. (Spring), Troy, N. Y.
U. S. Clothespin Co. ("Bull Dog Grip," "U. S." & "Putnam" Spring), Montpelier, Vt.
Weston Paper & Mfg. Co., Dayton, O.

10897a— Pins (Cooperage)

Am. Steel Co., H, Park bldg, Pittsburgh, Pa.
Bogert & Hopper Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

10897b— Pins (Cotter)

See also Cotters & Keys, Spring
American Steel Co. ("Kelkotters"), Park bldg, Pittsburgh, Pa.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Williams J. H. & Co., 31 Richards, Brooklyn, N. Y.

Pins (Coupling)

See Links & Pins, Coupling

10898— Pins (Crank)

Bethlehem Steel Co. (Steel), Bethlehem, Pa.
Braeburn Steel Co., Braeburn, Pa.
Camden Forge Co. (Locomotive), Camden, N. J.
Carbon Steel Co., ft 32d, Pittsburgh, Pa.
Philadelphia Steel & Forge Co., 50 Church, New York
Pollak Steel Co., Cincinnati, Ohio.
Standard Forgings Co., 80 E Jackson, Chicago, Ill.

Pins (Curtain)

See Pins, Drapery

10899— Pins (Dowel)

See also Dowels, Various Kinds

AMERICAN STEEL & WIRE CO. (Barbed), 208 S La Salle, Chicago, Ill. *See adv index at end of book*

Atlas Tack Co., Fairhaven, Mass
Bethlehem Steel Co., Bethlehem, Pa.
Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York *See adv index at end of book*
Bowen Corp. ("Winkley" Brass for Pattern Makers), Detroit, Mich.
Chain Products Co. (Brass), 3924 Cooper av, Cleveland, O.
ESTES E. B. & SONS (Wooden), 364 5th av, New York *See adv index at end of book*
Federal Malleable Co. ("Fraser" Malleable Iron Pattern Makers), West Allis, Wis.
Grayling Dowel Co., Grayling, Mich.
Hardware Supply Co., Grand Rapids, Mich.
Hickson-Roger Mfg. Co., Paragould, Ark.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Interstate Iron & Steel Co., 104 S Michigan av, Chicago, Ill.
Kansas City Bolt & Nut Co. (Wrought Iron), Kansas City, Mo.
Keystone Friction Hinge Co., Williamsport, Pa.
Kokomo Steel & Wire Co. (Barbed), Kokomo, Ind.
LARKIN & CO. J. K., 253 Broadway, New York *See adv index at end of book*
Milwaukee Tack Co., 37th & Wahl av, Milwaukee, Wis.
MORSE, FRANK W. (Smooth Grooved & Threaded Brass), 289 Congress, Boston, Mass. *See adv index at end of book*
Norton Iron Works (Barbed), Ashland, Ky.
Oliver Machinery Co. (Brass), Grand Rapids, Mich.
Parker Wire Goods Co. (Barbed), Worcester, Mass.
Rowe Henry Mfg. Co. (Wood), Newaygo, Mich.
Shanafelt Mfg. Co. (Brass & Wood), Canton, O.
South Bend Dowel Co., South Bend, Ind. *See adv index at end of book*
STEVENSON MFG. CO. (Pointed & Spiral Grooved, etc), South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co. (Wood), 166-174 Portland, Boston, Mass. *See adv index at end of book*
Townsend Co., New Brighton, Pa. *See adv index at end of book*
Wellman Products Co. (Pattern Makers', Wood & Metal), 1444 E 49th, Cleveland, O.
Wickwire Spencer Steel Corp., 41 East 42nd, New York *See adv index at end of book*

10900— Pins (Drapery)

Berbecker & Rowland Mfg. Co., Waterville, Conn.
Gould-Mersereau Co., 52 W 38th, New York
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Judd H. L. Co., 87 Chambers, New York
Turner & Seymour Mfg. Co., Torrington, Conn.

10901— Pins (Drift)

Amalgamated Metals Selling Co., Ltd., 42 Bway, New York
Bogert & Hopper Inc. (Wood), 57 Barclay, New York. *See adv index at end of book*
Buffum Tool Co. ("Swastika," Plumbers') South Side, Louisiana, Mo.
Channon Jas H. Mfg. Co., 227 W Erie, Chicago, Ill.
Cleveland Punch & Shear Works Co. (Also Barrel, Flask, etc.), 3917 St. Clair av, N E, Cleveland, O. *See adv index at end of book*
Cleveland Steel Tool Co., 662 E 82nd, Cleveland, O. *See adv index at end of book*
Cleveland Wrought Products Co., The, 3400 W. 58th, Cleveland, O. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Iron City Tool Works (Ltd.), 3201 Smallman, Pittsburgh, Pa.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Leominster Shell Goods Mfg. Co. (Celluloid), Leominster, Mass.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pacific Novelty Co. (Also Ornaments), 41 E 11th, New York
Pittsburgh Knife & Forge Co. (Structural Workers), Ridge & Chateau, Pittsburgh, Pa.
Pittsburgh Trolley & Forge Co., Pittsburgh, Pa.
Plomb Tool Mfg. Co., 2209 Santa Fe av, Los Angeles, Cal.
Rice & Hochester (Tortoiseshell), 37 5th av, Chicago, Ill.
Stanley Rule & Level Co. (Atha Division), New Britain, Conn.
Stiles H. A. & Co. (Wood), 166-174 Portland, Boston, Mass. *See adv index at end of book*
Vichek Tool Co. ("Vichek"), 8701 Mt. Auburn av, Cleveland, O.
Vulcan Tool Mfg. Co., Quincy, Mass.

10902— Pins (Gauge)

10902a— Pins (Hair)

Allen McNerney & Co. (Horn), Attleboro, Mass.
Blodgett B. F. & Co. (Barrettes), Leominster, Mass.
Damon Co., (Horn), Leominster, Mass.
Earl W. D. & Co (Horn & Celluloid), Leominster, Mass.
Fitchburg Horn Goods Co. (Horn & Celluloid), Fitchburg, Mass.
Grote F. & Hubbell Co. (Ivory), 32 4th av, New York
Howe Comb Co. (Horn), Leominster, Mass.
Hump Hair Pin Mfg. Co., 1918 Prairie av, New York
Queen Hair Pin Co. (Horn), Leonminster,
Smith & Sons Co., 200 5th av, New York
Star Pin Co., Shelton, Conn.
Sterling Pin Co. (Wire), Derby, Conn.
Yale Novelty Co., Leominster, Mass.

10903— Pins (High Tension)

Fletcher Mfg. Co., Dayton, O.
Harrison Electric Co., 1088 DeKalb av, Brooklyn, N. Y.
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*

10904— Pins (Hinge)

Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio
Corbin Screw Corporation, New Britain, Conn.
Detroit Screw Works, 348 Franklin, Detroit, Mich.
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
Reed & Prince Mfg. Co., Worcester, Mass.
Western Automatic Machine Screw Co., Elyria, O.
Zeigler Mfg. Co., Alexandria, Ind.

Pins (Horse Blanket)

See Pins, Blanket

10905— Pins (Husking)

See also Huskers & Shredders, Corn

Clark R. F. Mfg. Co., 702 N Halsted, Chicago, Ill.
Decatur Novelty Wks. ("Hill"), Decatur, Ill.
Kees F. D. Mfg. Co., Beatrice, Neb.
Pratt Wm. E. Mfg. Co. ("The Pratt"), 35 W Lake, Chicago, Ill.

Pins (Insulator)

See Insulator Pins & Brackets

Pins (King)

See Bolts, King

10906— Pins (Knitting)

Estes E. B. & Sons (Wood), 364 5th av, New York *See adv index at end of book*

Pins (Knuckle)

See Pins, Air Brake & Knuckle

10907— Pins (Ox Bow)

Sawyer O. C. ("Varnam"), Sharon, Vt.

10908—Pins (Picket or Tent)

Bogert & Hopper Inc. (Wood), 57 Barclay, New York. *See adv index at end of book*
Niagara Falls Metal Stamping Works (Picket & Tent), Niagara Falls, N. Y.
Oliver Iron & Steel Co. (Straight or Spiral), S 10th & Muriel, Pittsburgh, Pa.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Stowell Co., The, So Milwaukee, Wis.

10909—Pins (Piston, Hardened & Ground)

Automotive Products Corp. ("Super-Quality"), Hazelton, Pa.
Bard Mfg. Co., Royersford, Pa.
Bliettner Geo. H. Co., 1841 W Jackson blvd, Chicago, Ill.
Burgess-Norton Mfg. Co. ("B-N"), 506 Peyton, Geneva, Ill.
Butler Mfg. Co., 3234 W Washington, Indianapolis, Ind.
Cleveland Piston Pin & Bolt Co., 5005 Euclid av, Cleveland, Ohio
Detroit Auto Piston Co., 1139 Baltimore av, Detroit, Mich.
Detroit Piston Pin & Mfg. Co., 5630 12th, Detroit, Mich.
Detroit Screw Works, 348 Franklin, Detroit, Mich.
Diederich Mfg. Co. ("Moto-Rite"), 6010 Woodward, Detroit, Mich.
Dyer Co., 155 Brookline, Cambridge, Mass.
Elgin Machine Works ("Quality"), Elgin, Ill.
Foreman W. D., 1803 Indiana, Chicago, Ill.
Fostoria Screw Co., Fostoria, Ohio
Fraser Warren F. Co. ("Mirra"), Westboro, Mass.
Frostholm Bros., 1009 S. Clinton, Syracuse, N. Y.
Gas Motor Parts Co. ("Star Gauge" Wrist), 53 Page, San Francisco, Cal.
Houpert Machine Co. ("Houpert"), Harris av & Marion, Long Island City, N. Y.
Inland Products Co. ("Inland"), 4515 Shaw, St. Louis, Mo.
Kauffman Metal Products Co. ("Precision"), Bellefontaine, Ohio
Lewis & Milligan, 2108 Boulevard pl, Indianapolis, Ind.
Livermore Homer F. Inc., 85 Pearl, Boston, Mass.
Lyon Edward F. Co., 1600 E Euclid av, Detroit, Mich.
McQuay-Norris Mfg. Co. of Ind. ("Wainwright," Grey Iron for Autos, Trucks, etc.), Connersville, Ind.
Machine Specialty Co., Ann Arbor, Mich.
Mann Mfg. Co. ("Mann Precision"), 454 Golden Gate av, San Francisco, Cal.
Marquette Metal Products Co., 16606 Waterloo rd, Cleveland, O.
Nelson-Miller Co. ("Flexo Hammered"), 50 13th, Hoboken, N. J.
Ohio Piston Co. ("Ohio" for Autos, Trucks, etc.), 5331 St. Clair av, Cleveland, Ohio
Park Mfg. Co., 47 Lagrange, Worcester, Mass.
Recording Devices Co., 584 W 5th, Dayton, Ohio
Reus Bros. Co. ("Rebco"), 150 W Mt. Royal av, Baltimore, Md.
Singer Joe Machine Works, 2116 S Los Angeles, Los Angeles, Cal.
Stafford Machine Works, 2630 Holmes, Kansas City, Mo.
Standard Gear Co., 2821 Brooklyn av, Detroit, Mich.
Standard Metal Goods Co. ("Hamilton"), 2080 E 30th, Cleveland, Ohio
Steel Products Co., 2196 Clarkwood av, Cleveland, O.
Trindl Co. ("Trindl"), Wabash av at 29th, Chicago, Ill.
Turner Machine & Mfg. Co., 31st & Genesee, Kansas City, Mo.
United Engine & Machine Co., Inc., 507 Broadway, Fresno, Cal.
United States Hammered Piston Ring Co., 1206 S Grove, Irvington, N. J.
Wilcox Motor Parts & Mfg. Co., Saginaw, Mich.
Willis Piston Co. ("Willis"), 676 W Grand blvd, Detroit, Mich.
Wisconsin Machinery & Mfg. Co., 51st & Burnham, Milwaukee, Wis.
Woodward Geo. W., 1455 Bush, San Francisco, Cal.

10909a— Pins (Pole Top)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

10910— Pins (Push)

Moore Push Pin Co. ("Moore"), H, 133 B'way., Phila., Pa.
Roeti-Hunt Corp. ("Hunt"), Putnam, Conn.

10911— Pins (Rawhide)

Chicago Belting Co., 125 N Green, Chicago, Ill.
Chicago Rawhide Mfg. Co., 1301 Elston av, Chicago, Ill.
Clipper Belt Lacer Co. (Twisted 12 inches long), 974 Front av N W, Grand Rapids, Mich.
Simmons Mfg. Co. ("Twisted"), 77 & Lyons av, Phila., Pa.

10912— Pins (Reach)

Harvey Spring & Forging Co., Racine, Wis.

10913— Pins (Rolling)

Bogert & Hopper Inc. (Wooden) (Bread & Cake, etc.), 57 Barclay, New York *See adv index at end of book*
Chapman-Sargent Co. (Solid Handle, Revolver, etc), Piqua, O.
Cummer Mfg. Co., Cadillac, Mich.
Cupples Samuel Woodenware Co., 7th & Spruce, St. Louis, Mo.
Estes E. B. & Sons (Wooden), 364 5th av, New York. *See adv index at end of book*
Imperial Mfg. Co. ("Imperial Crystal," "White Opalite"), Cambridge, Ohio
Munising Woodenware Co. (Hard Maple), Piqua, Ohio
Prouty C. & Co., Eldred, Pa.
Richardi & Bechtold, Bellaire, Mich.
Silver & Co., 208 Hewes, Brooklyn, N. Y.
Sommer Jno. Faucet Co. (Wooden), 30 Morris av, Newark, N. J.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Thurman Mfg. Co., Madera, Cal.

10914— Pins (Safety)

American Pin Co. ("Ampinco"), Waterbury, Conn.
Consolidated Safety Pin Co. ("Stewart," "Consapico," "Duplex"), Bloomfield, N. J.
Francis Mfg. Co., Niagara Falls, N. Y.
Judson Pin Co., Rochester, N. Y.
Kelly F. Co., Derby, Conn.
Oakville Co. ("Clinton," "Damascus," "Treasure," "Defender"), Waterbury, Conn.
Seymour Metal Goods Co. ("Nu-Guard," "Regal," "Hygrade," "Iris," "Lowell"), 14H Beecher, Seymour, Conn.

10915— Pins (Sash)

See also Nails, Wire

Western Brass Mfg. Works (Brass & Bronze), Marshall blvd & W 21st, Chicago, Ill.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Washburn Co. (Wire Goods Div.) (Barbed), 28 Union, Worcester, Mass.

10915a—*Pins (Shouldered)

Townsend Co., New Brighton, Pa.
See adv index at end of book

10916-7— Pins (Special)

Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O.
Blake & Johnson Co. (Aluminum & German Silver), 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
Rochester Machine Screw Co., 15 Caledonia av, Rochester, N. Y.
Tichener-Diehl Co. (Shelf), 1844-48 W Austin av, Chicago, Ill.
Townsend Co. (Special Headed), New Brighton, Pa.
See adv index at end of book
Zeigler Mfg. Co., Alexandria, Ind.

10918— Pins (T)

Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Oakville Co., Waterbury, Conn.

10919— Pins (Taper)

Armstrong G. R. Mfrs. Supplies, Inc., 130 High, Boston, Mass.
Babson Dow Mfg. Co., 60 Fulda, Boston, Mass.
Brown & Sharpe Mfg. Co. (Tool Steel), Providence, R. I.
Cassady Fairbank Mfg. Co., 6126 S. La Salle, Chicago, Ill.
Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
Cincinnati Screw Co., Twightwee, Cincinnati, O.
Corbin Screw Corporation, New Britain, Conn.
Detroit Screw Works, 348 Franklin, Detroit, Mich.
Harper F. C. Screw Wks., 19 E 8th, Chicago, Ill.
Hartford Machine Screw Co., Hartford, Conn.
Leard Wm. Co., 16th & 5th av, New Brighton, Pa.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
National Acme Co. (Standard Steel), 7500 Stanton av, S E, Cleveland, O.
National Sewing Machine Co., Belvidere, Ill.
Pawtucket Mfg. Co., Pawtucket, R. I.
Perry-Fay Mfg. Co., Elyria, O.
Pittsburgh Screw & Bolt Co. (Steel), Preble av, Pittsburgh, Pa.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
St. Louis Screw Co. (Steel), Clarence av E, St. Louis, Mo.
STANDARD GAUGE STEEL CO., Beaver Falls, Pa.
See adv index at end of book
Standard Tool Co., 6700 Central av, Cleveland, O.
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*
U. S. Automatic Co., Amherst, O.
Western-Automatic Machine Screw Co., Elyria, O.

10920— Pins (Telegraph)

Estes E. B. & Sons (Wooden), 364 5th av, New York. *See adv index at end of book*
Hubbard & Co. (Steel), 62rd & Butler, Pittsburgh, Pa.
Oliver Iron & Steel Co. (Steel), S 10th & Muriel, Pittsburgh, Pa.

10920a— Pins (Thole)

Bogert & Hopper Inc. (Wood), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

10921—Pins (Track & Interlocking Channel)

Bryant Zinc Co., 600 Orleans, Chicago, Ill.

10922—Pins (Trolley Wheel Axle)

American Safety Lamp & Mine Supply Co., Scranton, Pa.
Burch Plow Works Co., Dept. H, Crestline, O.

10923— Pins (Truss)

Electric Service Supplies Co. ("Keystone"), 17th & Cambria, Phila., Pa.

10924— Pins (Tub)

Bliss Bros., 170 Commercial, Boston, Mass.

10925— Pins (Turn)

Bogert & Hopper Inc. (Plumbers), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons (Wooden or Plumbers), 364 5th av, New York
See adv index at end of book
Frary Mfg. Co., Charlemont, Mass.
Standard Turning Works (Wooden), Cambridge, Mass.
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book
Stossel Carl Sons & Co., Front Royal, Va.

10925a— Pins (Wood)

Basic Mfg. Co., Wilmington, Del.
Bissell F. Co. (For Cross Arms), Toledo, O.
Bogert & Hopper Inc., 57 Barclay, New York *See adv index at end of book*
Carolina Cross Arm Co. Inc. (Locust & Oak), Elkin, N. C.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
SOUTH BEND DOWEL CO., South Bend, Ind. *See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book
Stiles H. A. & Co. (Locust), 166-174 Portland, Boston, Mass.
See adv index at end of book
Williams Mfg. Co. (Locust), Watertown, Tenn.

10926— Pins (Wool Comb)

Dean John M. Corp., Putnam, Conn.

10926a—Pins & Brackets (Insulator, Wood)

AMERICAN CROSSARM & CONDUIT CO. (Eight large mills, prompt shipment, standard stock, special to order), Room 93 W Broadway, New York
See adv index at end of book

10927— Pipe (Acid Proof)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Duriron Castings Co. ("Duriron"), Dayton, O.
General Ceramics Co., 50 Church, New York
General Phonograph Corp., 25 W 45th, New York
Knight Maurice A. (Acid Roof Stoneware), Akron, O.
Thermal Syndicate Ltd., 58 Schenectady, New York
United Lined Tube & Valve Co., 130 Franklin, Boston, Mass.

10927a— Pipe (Air Brake)

BYERS A. M. CO. (Genuine Wrought Iron), 235 Water, Pittsburgh, Pa.
See adv index at end of book
Reed Manfg. Co. ("Reed"), Dept. H, Erie, Pa.

Pipe (Aluminum)

See Tubing, Aluminum

10927b— Pipe (Ammonia)

BYERS A. M. CO. (Genuine Wrought Iron), 235 Water, Pittsburgh, Pa.
See adv index at end of book
Youngstown Sheet & Tube Co., Youngstown, Ohio

10928— Pipe (Asphalted)

Barber Asphalt Paving Co., Land Title bldg, Phila., Pa.
Kittoe Boiler & Tank Co. (Inc.), Canton, Ohio
National Tube Co. ("National"), Frick bldg, Pittsburgh, Pa.
Youngstown Sheet & Tube Co., Youngstown, Ohio

10929— Pipe Bends & Coils

Adams Pipe Works, 3025 Bay, Los Angeles, Cal.
Albright Son & Co. (Wrought Iron), Allentown, Pa.
ALUMINUM COMPANY OF AMERICA, 2301 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book
American Foundry & Construction Co., 2nd av & Longworth, Pittsburgh, Pa
American Tube & Pipe Bending Co., 880 E 72nd, Cleveland, O.
Armstrong Machinery Co., E 3201 Riverside av, Spokane, Wash.
See adv index at end of book
Atlas Copper & Brass Mfg. Co. (Copper Bends), 2736-44 High, Chicago, Ill.
Ballwood Co., 30 Church, New York
Boston Copper Works Co., E Boston, Mass.
Bucyrus Copper Kettle Works Co. (The), Bucyrus, O. *See adv index at end of book*
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
California Steel Products Co., 452H Bay, San Francisco, Cal.
Camden Copper Works (Copper & Brass), 559 S 2nd, Camden, N. J.
Casey-Hedges Co. ("Chattanoogan"), 25th & Chestnut, Chattanooga, Tenn.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Columbus Iron Works, Columbus, Ga.
Cornell & Underhill, Greenwich & Spring, New York
CRANE CO., 836 S Michigan av, Chicago, Ill. *See adv index at end of book*
Cressman N. C. Co., 111 S 5th, Phila., Pa.
DAHLQUIST MFG. CO., 40 W 3d, So Boston, Mass. *See adv index at end of book*
Detroit Shipbuilding Co. (Brass Dept.), (Copper), ft. Orleans, Detroit, Mich.
Deuel Chas. C. Co., 631 Jones, Detroit, Mich.
Dinsmore Wm. & Co., 912 Post, Seattle, Wash.
Dougherty M. J. Co., Dept. H, 26th & Washington av, Phila., Pa.
Edwards Ice Machine & Supply Co., 3622 E Marginal Way, Seattle, Wash.
Empire Pipe Corp. (Iron Pipe), 253 Park av, Brooklyn, N. Y.
Everitt Co., 267 Franklin, Boston, Mass.
See adv index at end of book
Faget Engng. Co., 410 Beach, San Francisco, Cal.
Fords & Kendig Co. (Dirs.), 1428 Callowhill, Phila., Pa.
Frick & Lindsay Co., Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Gay Engineering Corp., 2650 Santa Fe av, Los Angeles, Cal.
GERDES & CO. 42 Church, New York
See adv index at end of book



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Harris Pump & Supply Co., 318 Second av, Pittsburgh, Pa.
See adv index at end of book
HARRISBURG PIPE & PIPE BENDING CO. (Specialty Bends of Copper & Brass), Herr nr 10th, Harrisburg, Pa.
Hercules Steel Products Co., 227 Bay, San Francisco, Cal.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Imperial Brass Mfg. Co. (Brass & Copper), 1200 W Harrison, Chicago, Ill.
Industrial Steel Corp. (Dirs.), 2704 Granier, Chicago, Ill.
Industrial Welding Co., 307 Guilford av, Baltimore, Md.

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Langsenkamp F. H., 130 E Georgia, Indianapolis, Ind.
LARKIN & CO. J. K., 253 Broadway, New York *See adv index at end of book*
Lewis Joseph E., 1218 Warner, Baltimore, Md.
Limbert Geo. B. & Co., 558 Fulton, Chicago, Ill.
Los Angeles Valve & Fittings Co., 2741 Compton, Los Angeles, Cal.
Lumsden & Van Stone Co., Dorchester, Boston, Mass.
Miller H. G. & Co. Inc., E 2115 Riverside av, Spokane, Wash.
Mitchell W. K. & Co., 2940 Ellsworth, Phila., Pa.
Nason Mfg. Co., 71 Fulton, New York *See adv index at end of book*
National Pipe Bending Co. (Brass, Iron & Copper), New Haven, Conn.
National Valve & Mfg. Co., 31st & Liberty, Pittsburgh, Pa.
Pacific Pipe & Supply Co., 1002 Santa Fe av, Los Angeles, Cal.
Philadelphia Coppersmithing Co., 223 N Front, Phila., Pa.
Philadelphia Pipe Bending Co. (Coils), 4135 N 5th, Phila., Pa.
Pipe & Tube Bending Corp. of Am., 38H Grafton av, Newark, N. J.
Pittsburgh Gage & Supply Co., 30th & Liberty av, Pittsburgh, Pa.
Pittsburgh Piping & Equipment Co., 35th & Charlotte, Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co. (Bends), 26th & A. V. R. R., Pittsburgh, Pa.
POWER PIPING CO., Beaver & Western av, Pittsburgh, Pa.
Rempe Co. (Wrought Iron), 341 N Sacramento av, Chicago, Ill.
Shaw Benj. F. Co., Wilmington, Del.
Shaw-Kendall Engineering Co., Toledo, O.
SIMMONS JOHN CO. (Iron Coil & Brass & Copper), 110 Centre, New York *See adv index at end of book.*
Simmons Pipe Bending Works, Newark, N.J.
Skinner M. B. Co. ("Rex"), 562 W Washington, Chicago, Ill.
Stender Coppersmith Co. (The), 2930 Smallman, Pittsburgh, Pa. *See adv index at end of book*
Superheater Co. ("Elesco"), 17 E 42d, New York
Taylor Geo. Brass & Bronze Works, 22 Cherry, New York
Triumph Ice Machine Co. (Iron Coils), Oakley, Cincinnati, O.
U. S. Pipe Bending Co., 315 Howard, San Francisco, Cal.
Vilter Mfg. Co. (Iron Coils), 1046 Clinton, Milwaukee, Wis. *See adv index at end of book*
Vogt Henry Machine Co., Inc., Louisville, Ky.
Webster Mfg. Co., 1230 San Fernando rd, Los Angeles, Cal.
Whitlock Coil Pipe Co. (Iron, Brass & Copper), Hartford, Conn.
Winkelman Louis & Co., 213 Lawrence, Cincinnati, O.
Young Bros. Co., 666 Mack, Detroit, Mich.

10930— Pipe (Block Tin)

See also Lead Pipe & Sheet & Pig Lead
American Lead Co., 3116 Penn av, Pittsburgh, Pa.
Baker Lead Mfg. Co., 28 Cherry, Worcester, Mass.
Blatchford E. W. Co. 230 N Clinton, Chicago, Ill.
Chadwick-Boston Lead Co., Boston, Mass.
Eagle Picher Lead Co., The, 208 S. La Salle, Chicago, Ill.
Lissberger, Marks & Son, 231 Borden av, Long Island City, New York
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
Michigan Smelting & Refining Co., 7335 Jos Campaw, Detroit, Mich.
National Lead Co., 111 B'way, New York
National Lead & Oil Co. of Pa., Commonwealth bldg, Pittsburgh, Pa.
North American Smelting Co., 9th & Thompson, Phila., Pa.
Raymond Lead Works, 735 S Washtenaw av, Chicago, Ill.
Robertson James Lead Co., 827 S Howard, Baltimore, Md.
Rochester Lead Works, Rochester, N. Y.
Selby Smelting Works, 201 1st, San Francisco, Cal.
Standard Rolling Mills, 363 Hudson av, Brooklyn, N. Y.
United Lead Co., 111 B'way, New York
Wensley Metal Products Co., 2232 Blake, Denver, Colo.
Wheeler Condenser & Engng. Co., ("Crescent" Brand), W. Carteret, N. J.

10930a— Pipe (Brass)

AMERICAN BRASS CO., Waterbury, Conn. *For branch offices see adv index at end of book*
Am. Tube Works, 10 Oliver, Boston, Mass.
Bridgeport Brass Co. ("Plumrite"), E Main, Bridgeport, Conn.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y. *See adv index at end of book*
Cleveland Brass & Copper Mills, Inc., Euclid, Ohio
COLONIAL SUPPLY CO. (& Fibre, Iron, Steel, Wood Pipe), 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Conklin Brass & Copper Co., Inc., T. E., 54-60 Lafayette, New York *See adv index at end of book*

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Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa. *See adv index at end of book*
Klenke F. J. Co. ("Diamond K"), Sharon bldg, San Francisco, Cal.
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
Randolph-Clowes Co., Waterbury, Conn.
SCOVILL MFG. CO., Waterbury, Conn. *See adv index at end of book*
Wheeler Condenser & Engineering Co. ("Crescent" Brand), West Carteret, N. J.
Windsor Mfg. Co., 570 Clinton, Milwaukee, Wis.

10931—Pipe (Brass or Copper Lined)

Bridgeport Brass Co. (For Various Purposes), Dept. H, E Main, Bridgeport, Conn.
Chadwick-Boston Lead Co. (Iron), 162 Congress, Boston, Mass.
LARKIN & CO. J. K., 253 Broadway, New York *See adv index at end of book*
McMann & Taylor Co., 104 John, New York *See adv index at end of book*
United Lead Co., 111 B'way, New York
United Lined Tube & Valve Co. (Brass), 180 Franklin, Boston, Mass.

10931a—*Pipe (Butt-Welded Steel)

YOUNGSTOWN SHEET & TUBE CO. (THE), Youngstown, O.

Pipe (Cast Iron)

See Cast Iron Pipe Manufacturers, Gas & Water; also Cast Iron Soil Pipe Manufacturers

10932-3—Pipe (Cast Iron Drain or Culvert)

American Road Machinery Co., Kennett Square, Pa.
Galion Iron Works & Mfg. Co., Galion, O.

10934-5—Pipe (Cast Iron, Lock Joint)

American Casting Co. ("National"), Birmingham, Ala.

10936— Pipe (Cement)

California Corrugated Culvert Co., Berkeley & Los Angeles, Cal.
Century Gy. Pressure Concrete Co., 2516 5th, Berkeley, Cal.
Concrete Products Co., Diamond Bk. bldg, Pittsburgh, Pa.
Concrete Products Co., Everett, Wash.
Crane Co., 836 S Michigan av, Chicago, Ill. *See adv index at end of book*
LARKIN & CO., J. K. (Coated), 253 Broadway, New York *See adv index at end of book*
Massey Concrete Products Corp. (Reinforced, all Sizes), Peoples Gas bldg, Chicago, Ill.
Pacific Lock Joint Pipe Co., Westlake av N, 508 Seattle, Wash.
Pierce Mfg. Co., 785 Housatonoc av, Bridgeport, Conn.
Stroud Bros., Union av at Santa Fe, Bakersfield, Cal.
Twining Concrete Co., Fresno, Cal.

Pipe Coils

See Pipe Bends & Coils

10936a— Pipe Copper

AMERICAN BRASS CO., Waterbury, Conn. *For branch offices see adv index at end of book*
Badger E. B. & Sons Co., 75A Pitts, Boston, Mass. *See adv index at end of book*
BALTIMORE TUBE CO., Wicomico & Ostend, Baltimore, Md. *See adv index at end of book*

(Continued on following page)

Pipe (Copper)—Continued

Bridgeport Brass Co. (Brass & Copper), E Main, Bridgeport, Conn.
Hungerford U. T. Brass & Copper Co., 80 Lafayette, New York
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Roos Chas. A., 429 E 91st, New York
Scovill Mfg. Co., Waterbury, Conn.
See adv index at end of book
Simmons John Co., 110 Centre, New York
See Adv index at end of book
Stender Coppersmith Co. (The), 2930 Smallman, Pittsburgh, Pa.
See adv index at end of book
Wheeler Condenser & Engineering Co. ("Crescent" Brand), West Carteret, N. J.
Young Bros. Co., 6560H Mack av, Detroit, Mich.

Pipe Coverings

See Pipe & Boiler Coverings, Various Kinds

Pipe (Culvert, Metallic)

See Culverts, Road

10936b— Pipe (Culverts)

Albert & Davidson Pipe Corp., 256-264 Oakland, Brooklyn, N. Y.
See adv index at end of book
California Corrugated Culvert Co., Berkeley & Los Angeles, Cal.
Chattanooga Sewer Pipe Works, W 11th & Cross, Chattanooga, Tenn.
Columbus Sewer Pipe Co., Columbus, Ga.
Concrete Products Co., Diamond Bk. bldg., Pittsburgh, Pa.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Eugene Concrete Pipe Co., Eugene, Ore.
Fisher, C. U., 52H Broadway, New York
Fitz Water Wheel Co., Hanover, Pa.
Gelsen L. S. & Son, Fillmore, N. Y.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Lock Joint Pipe Co. (Reinforced Concrete), East Orange, N. J.
Macomb Sewer Pipe Works, Macomb, Ill.
Macon Sewer Pipe Works, Macon, Ga.
Massey Concrete Products Corp. (Concrete), Peoples Gas bldg, Chicago, Ill.
Brooklyn, N. Y.
Newport Culvert Co., Newport, Ky.
Ogden Sewer Pipe & Clay Co., Ogden, Utah
Republic Pipe & Iron Corp., 23 H Varick av, Brooklyn, N. Y.
See adv index at end of book
San Antonio Sewer Pipe Works, San Antonio, Texas
Southern Sewer Pipe Works, Birmingham, Ala.
Spokane Culvert & Tank Co., Spokane, Wash.
Standard Sewer Pipe Works, Rome, Ga.
Texarkana Pipe Works, Texarkana, Tex.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

10937— Pipe (Dredge & Pontoon)

Albert & Davidson Pipe Corp., 256-264 Oakland, Brooklyn, N. Y.
See adv index at end of book
Coast Culvert & Flume Co., cor. Blvd. & Derby, Portland, Ore.
Dixie Culvert & Metal Co., Atlanta, Ga.
Ellicott Machine Corp., 1111 Bush, Baltimore, Md. *See adv index at end of book*
Fitz Water Wheel Co., Hanover, Pa.
Hartley Boiler Works, Montgomery, Ala.
McNamara Bros. Co., Westport, Baltimore, Md.
Machold & Riddell, Stephen Girard bldg, Phila., Pa.
Montague Pipe & Steel Co., Hobart bldg, San Francisco, Cal.
New Bern Iron Works & Supply Co., New Bern, N. C.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
Republic Pipe & Iron Corp., 23 H Varick av, Brooklyn, N. Y.
See adv index at end of book
Southern Boiler & Tank Wks., 1275 Thomas, Memphis, Tenn.
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.
Union Construction Co., Balfour bldg, San Francisco, Cal.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

Pipe (Dredging, Lap Welded Steel)

See Pipe, Lap-Welded Steel

10938—Pipe (Dredging, Slip Joint)

KOVEN L. O. & BRO. INC., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

Pipe (Drive)

See Pipe & Tube Mills

10939— Pipe (Enameled Iron)

Central Tube Co., 1st National Bank bldg, Pittsburgh, Pa.
Mark Mfg. Co., Evanston, Ill.

10939a— *Pipe (Ensilage)

Robertson Bros. Mfg. Co., 5405 S Western blvd, Chicago, Ill.

10939b— Pipe (Fibre)

Chattanooga Sewer Pipe Works, Chattanooga, Tenn.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Columbus Sewer Pipe Co., Columbus, Ga.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Macomb Sewer Pipe Works, Macomb, Ill.
Macon Sewer Pipe Works, Macon, Ga.
Ogden Sewer Pipe & Clay Co., Ogden Utah
San Antonio Sewer Pipe Works, San Antonio, Tex.
Southern Sewer Pipe Works, Birmingham Ala.
Standard Sewer Pipe Works, Rome, Ga.
Texarkana Pipe Works, Texarkana, Ark.

10940—Pipe (Flange, Flexible Joint)

Fischer Chas. Spring Co., 240 Kent av, Brooklyn, N. Y.
United States Cast Iron Pipe & Foundry Co., Burlington, N. J.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Wood R. D. & Co., 400 Chestnut, Phila., Pa.

10941—Pipe (Flanged, for High Pressure)

Ballwood Co. (The), 30 Church, New York
Kellogg M. W. Co., 90 West, New York
See adv index at end of book
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
LARKIN & CO., J. K., 253 Broadway, New York. *See adv index at end of book*

J. K. LARKIN & CO.

253 Broadway
NEW YORK

Lynchburg Foundry Co., Lynchburg, Va.
National Supply Co., Union B'k bldg, Pittsburgh, Pa.
Pittsburgh Piping & Equipment Co., 35th & Charlotte, Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
POWER PIPING CO., Beaver & Western av, Pittsburgh, Pa.
Scranton Pump Co., Scranton, Pa.
South Park Fdry. & Machine Co., St. Paul, Minn.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Whitlock Coil Pipe Co. ("Whitlock" Double Lap Joint), Hartford, Conn.

Pipe (Flue)

See Pipe, Sewer

Pipe (Furnace)

See Furnace Pipe & Fixtures

Pipe (Galvanized Iron)

See Pipe & Tube Mills

10941a—Pipe (Gas, Water & Casing)

Albert & Davidson Pipe Corp., 256-264 Oakland, Brooklyn, N. Y.
See adv index at end of book
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Moser Mfg. Co. (Heads), Kane, Pa.
Reading Iron Co., Baer bldg, Reading, Pa.
Republic Pipe & Iron Corp., 23 H Varick av, Brooklyn, N. Y.
See adv index at end of book
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Youngstown Sheet & Tube Co., Youngstown, Ohio.

10941b—Pipe (Gas, Wrought Iron)

BYERS A. M. CO. (Genuine Wrought Iron), 235 Water, Pittsburgh, Pa.
See adv index at end of book
Fisher C. W., 52H Broadway, New York
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Youngstown Sheet & Tube Co., Youngstown, Ohio

10941c—Pipe (Glass Enameled)

See also Tubing (Glass)

Elyria Enameled Products Co., Elyria, O.

10941d— Pipe (Ground)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

10941e—Pipe Headers (Welded)

Ballwood Co., The. 30 Church, New York
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
GERDES & CO. INC. (Also Pipe Coils & Bends, Iron, Steel, Brass, Copper), 42 Church, New York
See adv index at end of book
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book

PIPE HEADERS

Cast Iron or Steel



Welded Wrot Pipe

THE KELLY & JONES CO.
GREENSBURG, PA.

LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
POWER PIPING CO., Beaver & Western av, Pittsburgh, Pa.

10941f—Pipe (High & Low Pressure Systems)

BYERS A. M. CO., 235 Water, Pittsburgh, Pa. *See adv index at end of book*
Pittsburgh Piping & Equipment Co., 35th & Charlotte, Pittsburgh, Pa.
Pittsburgh Valve Foundry & Constr. Co., 26th & A. V. R. R., Pittsburgh, Pa.
U S. Cast Iron Pipe & Foundry Co., Burlington, N. J.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

10942— Pipe (Hydraulic)

Albert & Davidson Pipe Corp., 256-264 Oakland, Brooklyn, N. Y.
See adv index at end of book
AMERICAN SPIRAL PIPE WORKS, Box 485, Chicago, Ill., & 50 Church, New York
See adv index at end of book
Ballwood Co. (The), (with Flanges), 30 Church, New York
Century Gy. Pressure Concrete Co. (Cement), 2516 5th, Berkeley, Cal.
Coast Culvert & Flume Co., col Blvd & Derby, Portland, Ore.
Fitz Water Wheel Co., Hanover, Pa.
FRICK & LINDSAY CO. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Hunt Rodney Mach. Co., Orange, Mass.
Lock Joint Pipe Co. (Reinforced Concrete), East Orange, N. J.
Manitowoc Engineering Works, Manitowoc, Wis.
Nason Mfg. Co., 71 Fulton, New York
See adv index at end of book
National Tube Co. ("National," for High Pressure, Oil & Natural Gas Lines), Frick bldg, Pittsburgh, Pa.
Pittsburgh Gage & Supply Co., 30th & Liberty av, Pittsburgh, Pa.
Pittsburgh Valve Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Republic Pipe & Iron Corp., 23 H Varick av, Brooklyn, N. Y.
See adv index at end of book

Union Iron Works, Spokane, Wash.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Youngstown Sheet & Tube Co. ("Youngstown"), Youngstown, O.

10943—Pipe (Hydraulic, Steel Riveted)

AMERICAN SPIRAL PIPE WORKS ("Taylor's"), Box 485, Chicago, Ill., & 50 Church, New York
See adv index at end of book
CHICAGO BRIDGE & IRON WORKS, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Coast Culvert & Flume Co., Col. blvd & Derby, Portland, Ore.
DOVER BOILER WORKS, Sales Office, 40 Church, New York; Works: Dover, N. J. *See adv index at end of book*
Graver Corp., 4020 Todd av, E Chicago, Ill. *See adv index at end of book*
Harrisburg Mfg. & Boiler Co., 15 Park row, New York
HORTON STEEL WORKS, LTD., 118 Janet, Bridgebury, Ont., Canada
Hunt Rodney Mach. Co., Orange, Mass.
National Blower Pipe Co., 1127 St. Paul av, Tacoma, Wash.
New England Sheet Metal Works, 311 Broadway, Fresno, Cal.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
Pennsylvania Furnace & Iron Co., 373 Pine, Warren, Pa.
See adv index at end of book
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
SCAIFE WM. B. & SONS CO., First National Bk bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
Shaw Benj. F. Co., Wilmington, Del.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

10943a—*Pipe (Iron & Steel—Jobbers)

Chandler Boyd Supply Co., 47H Terminal Way, Pittsburgh, Pa.
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book

PIPE
VALVES
FITTINGS

Carried in
PITTSBURGH
WAREHOUSE

Stock for
Prompt Shipment

Harris Pump & Supply Co.
316-320 Second Avenue
PITTSBURGH PENNSYLVANIA

Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
LARKIN & CO., J. K., 253 Broadway, New York. *See adv index at end of book*

J. K. LARKIN & CO.
253 Broadway
NEW YORK

10943b— Pipe (Irrigation)

Albert & Davidson Pipe Corp., 256-264 Oakland, Brooklyn, N. Y.
See adv index at end of book
American Steel Pipe & Tank Co., 608H S Main, Los Angeles, Cal.
American Wood Pipe Co., Tacoma, Wash.
Ames W. R. Co., 450H Irwin, San Francisco, Cal.
Cal. Brick Co., 604 Mission, San Francisco, Cal.
Chattanooga Sewer Pipe Works, W 11th & Cross, Chattanooga, Tenn.
Columbian Steel Tank Co., 1625 W 12th, Kansas City, Mo.
Columbus Sewer Pipe Co., Columbus, Ga.
Consolidated Pipe Co., 2440 E 9th, Los Angeles, Cal.
Continental Pipe Mfg. Co., 4519 14th av, N W, Seattle, Wash.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Erskine & Jessen, 706 Date, Los Angeles, Cal.
McLaughlin Sheet Metal Wks., 221 J, Sacramento, Cal.
McNamara Bros. Co., Westport, Baltimore, Md.
Macomb Sewer Pipe Works, Macomb, Ill.
Macon Sewer Pipe Works, Macon, Ga.
Madewell Pipe & Culvert Works, ("Madewell"), E 12th & 25th av, Oakland, Cal.
Ogden Sewer Pipe & Clay Co., Ogden Utah
Pacific Lock Joint Pipe Co., 508 Westlake av N, Seattle, Wash.
Republic Pipe & Iron Corp., 23 W Varick av, Brooklyn, N. Y.
See adv index at end of book
San Antonia Sewer Pipe Works, San Antonio, Texas
Shaw M. E., 183 N Daly, Los Angeles, Cal.
Southern Sewer Pipe Co., Birmingham, Ala.
Spokane Culvert & Tank Co., Spokane, Wash.
Standard Sewer Pipe Co., Rome, Ga.
Strangman Chas. J. Co., 137 Rose, Los Angeles, Cal.
Stroud Bros., Union av at Santa Fe, Bakersfield, Cal.
Texarkana Pipe Works, Texarkana, Tex.
Twining Concrete Co., Fresno, Cal.
Union Construction Co., Balfour bldg, San Francisco, Cal.
Union Tank & Pipe Co., 2801H Santa Fe av, Los Angeles, Cal.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Woolwine Metal Products Co., 2421 E 8th, Los Angeles, Cal.

Pipe Joint Paste

See Cements, Pipe Joint

10944—Pipe (Lap-Welded Steel)

Albert & Davidson Pipe Corp., 256-264 Oakland, Brooklyn, N. Y.
See adv index at end of book
AMERICAN SPIRAL PIPE WORKS ("American" 12 to 96 in. in diameter), Box 485, Chicago, Ill., & 50 Church, New York
See adv index at end of book
Ballwood Co., The, 30 Church, New York
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
KELLOGG M. W. CO. 90 West, New York
See adv index at end of book
Republic Pipe & Iron Corp., 23 H Varick av, Brooklyn, N. Y.
See adv index at end of book
Union Construction Co., Balfour bldg, San Francisco, Cal.
Viethardt Steel & Metal Corp., 15 Park row, New York
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
YOUNGSTOWN SHEET & TUBE CO. (Iron & Steel Pipe, from ⅛ to 20 in. Black & Galvanized Merchant, Oil Well Casing, Tubing, Drive Rotary Drill Line Pipe, Signal Pipe, etc., "Youngstown"), Youngstown, O.

10945— Pipe (Lead)

American Lead Co. (Also Antimonial), 3116 Penn av, Pittsburgh, Pa.
Baker Lead Mfg. Co., 28 Cherry, Worcester, Mass.
Blatchford E. W. Co., 230 N Clinton, Chicago, Ill.
Brooklyn Alloys Co., 17 Walton, Brooklyn, N. Y.
Charleston Lead Works, Charleston, S. C.
Detroit Lead Pipe Works, 1450 21st, Detroit, Mich.
Du Bois Fred'k N. & Co., 247 9th av, New York
Eagle Picher Lead Co., The, 208 S La Salle, Chicago, Ill.
Fleck Bros. Co., 44 N 5th, Phila., Pa.
Gardiner Metal Co., 1364 W Lake, Chicago, Ill.
Gibson & Price Co., Swetland bldg, Cleveland, O.
Hoyt Metal Co., Boatmans Bank bldg, St. Louis, Mo.
Johnson J. D. Co., 43 Boerum pl, B'klyn, N. Y.
Kahn Bros., 785 Humboldt, Brooklyn, N. Y.
LARKIN & CO., J. K., 253 Broadway, New York. *See adv index at end of book*
Lawrence Shot & Lead Co. ("Omaha"), Omaha, Neb.
Lissberger, Marks & Son, 281 Borden av, Long Island City, N. Y.
McDonald James & Sons Co., 9th & Sycamore, Cincinnati, O.
National Lead Co., 111 B'way, New York
Nelson N. O. Mfg. Co., 10th & Chestnut, St. Louis, Mo.
North American Smelting Co., 9th & Thompson, Phila., Pa.
Northwestern Shot & Lead Works, 90 Fairfield av, W. St. Paul, Minn.
Phillips Lead & Supply Co., 91 S Main, Providence, R. I.
Raymond Lead Wks., 735 S Washtenaw av, Chicago, Ill.
Robertson James Lead Co., 827 S Howard, Baltimore, Md.
Rochester Lead Works, Rochester, N. Y.
Rumsey L. M. Mfg. Co., 4372 Westminster, St. Louis, Mo.
Selby Smelting Works, 201 1st, San Francisco, Cal.
Tillinghast L. H. Supply Co., 162 Dorrance, Providence, R. I.
Union Smelting & Refining Co., Inc., St. Charles, Newark, N. J.
United Lead Co., 111 B'way, New York
Wensley Metal Products Co., 2232 Blake, Denver, Colo.
Windsor Mfg. Co., 570 Clinton, Milwaukee, Wis.

10946— Pipe (Lead Lined)

Badger E. B. & Sons Co., 75 A Pitts, Boston, Mass. *See adv index at end of book*
Brooklyn Alloys Co., 17 Walton, Brooklyn, N. Y.
Chadwick-Boston Lead Co. (Iron), 162 Congress, Boston, Mass.
Eugene Concrete Pipe Co., Eugene, Ore.
Lead Lined Iron Pipe Co. (Iron & Brass), Wakefield, Mass.
Scranton Pump Co., Scranton, Pa.

10947—Pipe (Lead, Tin Lined)

See also Lead Pipe & Sheet & Pig Lead
Brooklyn Alloys Co., 17 Walton, Brooklyn, N. Y.
Chadwick-Boston Lead Co., Boston, Mass.
National Lead Co., 111 B'way, New York
Rochester Lead Works, Rochester, N. Y.
United Lead Co., 111 B'way, New York

10948— Pipe (Lidded)

Bannon P. Pipe Co. ("Bannon's" for Steam Conduits), Louisville, Ky.

Pipe Line Supplies

See Specific Article Required

10948a— Pipe (Lined)

See also Pipe & Tube Mills
LARKIN & CO., J. K., 253 Broadway, New York. *See adv index at end of book*

10949—Pipe (Lock Bar, Steel)

Gillespie, T. A., 5 Dey, New York
Riter-Conley Co. (& Riveted Steel), Oliver bldg, Pittsburgh, Pa.

10950— Pipe (Lock Seam)

Robertson Bros. Mfg. Co. (2 in. to 16 in. diameter, 16 gauge & lighter, made round and uniform lengths, 10 ft. & shorter, slip joint or flanges), 5405 S Western av, Chicago, Ill.

10951— Pipe Lowerers, Lifters & Holders

Love M. A. Mfg. Co., Rockford, Ill.
Mark Mfg. Co., Evanston, Ill.
Trahern Pump Co., Rockford, Ill.
Ward Pump Co., Rockford, Ill.

10952—Pipe (Machine Riveted)

Robertson Bros. Mfg. Co. (Straight Riveted Pipe & Elbows, 4 to 15 inch in Diameter, in 10-foot lengths), 5401 S. Western av., Chicago, Ill.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.

10953— *Pipe (Plates)

LARKIN & CO., J. K., 253 Broadway, New York. *See adv index at end of book*

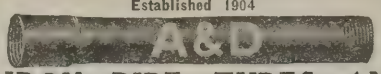
10954—Pipe (Punched & Formed Sheets)

Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, Ohio.
See adv index at end of book
Graver Corp., 4020 Todd av, E Chicago, Ill. *See adv index at end of book*
Toledo Metal Manufactures Co. (The), 983-1015 Front, Toledo, O.
See adv index at end of book

10955—Pipe (Reinforced Concrete)

Century Gy. Pressure Concrete Co., 2516 5th, Berkeley, Cal.
Concrete Products Co., Diamond B'k bldg, Pittsburgh, Pa.
Electric Welding Co., Benedum Trees bldg, Pittsburgh, Pa.
Gelsen L. S. & Son ("Gelsen"), Fillmore, New York
Jacksonville Concrete Products Co., 630 Riverside av, Jacksonville, Fla.
Lock Joint Pipe Co. (Lock-Joint" System of Continuous, 12 to 108 Inches), East Orange, N. J.
Western Pipe Steel Co., 444 Market, San Francisco, Cal.

(Continued on following page)

Established 1904
PIPE CUT TO SKETCH  It will pay to correspond with us.
WROUGHT IRON PIPE, TUBES AND FITTINGS
New and Second Hand—Thoroughly overhauled with new threads and couplings, in lengths of 16 feet and over. Guaranteed to give satisfaction.
ALBERT & DAVIDSON PIPE CORP. 256-64 Oakland St. BROOKLYN, N.Y.

Pipe (Reinforced Concrete)—Cont.

Western Reinforced Concrete Pipe Co., 6th & Utah, Los Angeles, Cal.
Weston & Brooker Co., Columbia, S. C.

10956-7-8—Pipe (Riveted Steel)

ABENDROTH & ROOT MFG. CO. (Straight Seam & "Root" Spiral), Newburgh, N. Y.
See adv index at end of book
Albina Marine Iron Works Inc., Lewis & Loring, Portland, Ore.
Am. Bridge Co., 71 B'way, New York
American Steel Pipe & Tank Co., 608 S Main, Los Angeles, Cal.
Baker Iron Wks., Los Angeles, Cal.
Bay City Iron Works, 1215 Harrison, San Francisco, Cal.
BIGGS BOILER WORKS CO., Case av, & Williams, Akron, O.
See adv index at end of book
Blaw Knox Co., Freeport rd, Hoboken, Pa.
Boiler Tank & Pipe Co., 4061 Hollis, Emeryville, Cal.
Breese Bros. Co., Inc., 2349 Reading rd, Cincinnati, Ohio.
See adv index at end of book

The Breese Bros. Company
SHEET METAL WORK
Riveted Welded Pipe
(Every Shape for Any Purpose)
ELBOWS, Ys, Ts, FAN DUCT, CYCLONE COLLECTORS
2347 Reading Rd.; Cincinnati, Ohio

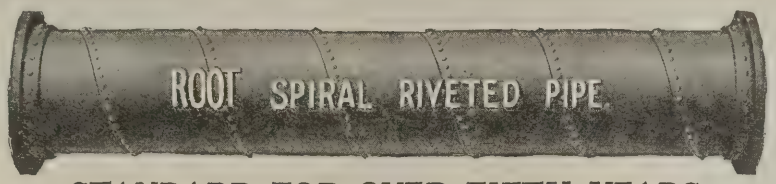
Chattanooga Boiler & Tank Co., 1011 E Main, Chattanooga, Tenn.
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Coast Culvert & Flume Co., Col. blvd & Derby, Portland, Ore.
Columbiana Boiler Co., Columbiana, O.
CONNERY & CO. INC., 4000 N 2nd, Phila., Pa. *See adv index at end of book*
Consolidated Pipe Co., Los Angeles, Cal.
Dollinger John Jr., Inc., Beaumont, Tex.
DOVER BOILER WORKS, Sales Offices: 40 Church, New York. Works: Dover,
Finn Bros. Pipe & Steel Works, 1303 N Spring, Los Angeles, Cal.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
Fitz Water Wheel Co., Hanover, Pa.
Gillespie T. A. Co., 5 Dey, New York
Graver Corp., 4020 Todd av, E Chicago, Ill. *See adv index at end of book*
Hamler Boiler & Tank Co., Dept. H, W 66th & 69th av, Chicago, Ill.
Hammond Iron Works (Over 20 inches Diameter), Warren, Pa.
See adv index at end of book
Harrisburg Mfg. & Boiler Co., Harrisburg, Pa.
Harrisburg Mfg. & Boiler Co., 15 Park row, New York
Heggie Jas. G. & Sons, Joliet, Ill.
Hodge Boiler Works, 99 Summer, E, Boston, Mass.
Horton Steel Works Ltd., 118 Janet, Bridgebury, Ont., Canada
Hydraulic Supply Mfg. Co. (For Mining, Irrigation & Power Plants), Seattle, Wash.
King Bridge Co., Cleveland, O.
Kittoe Boiler & Tank Co., Inc., Canton, O.
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Lacy Mfg. Co., Los Angeles, Cal.
Lancaster Iron Works, Lancaster, Pa.
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
Leffel Jas. & Co. (For Own Use), East St. Springfield, O.
Leslie, Elliott & Co., Paterson, N. J.
Littleford Bros. (& Iron), 444 E Pearl, Cincinnati, O.
See adv index at end of book
Los Angeles Mfg. Co. Inc., 2500 Lenard, Los Angeles, Cal.
McNamara Bros. Co., Westport, Baltimore, Md.
McNaull Boiler Mfg. Co., Toledo, O.
McNeil Jas. & Bro. Co., Pittsburgh, Pa.
Machold & Riddell, Stephen Girard bldg, Phila., Pa.
Manitowoc Engineering Works, Manitowoc, Wis.
Marinette Boiler Wks. (For Hydroelectric Plants), Marinette, Wis.
Meehan Boiler & Construction Co., Lowellville, O.
Michelmann Steel Construction Co., Quincy, Ill.
Minneapolis Steel & Machinery Co., 2354 Minnehaha av, Minneapolis, Minn.
Mitchell-Tappen Co., 15 John, New York
Montague Pipe & Steel Co., Hobart bldg, San Francisco, Cal.
New York Central Iron Works Co. Inc., Dept. H, Hagerstown, Md.
Novelty Steam Boiler Works, 917 S Howard, Baltimore, Md.
Ohio Machine & Boiler Co., 1510H University rd, Cleveland, O.
Pelton Water Wheel Co., 19th & Harrison, San Francisco, Cal., & 90 West, New York
Pennsylvania Furnace & Iron Co., 373 Pine, Warren, Pa.
See adv index at end of book
PETROLEUM IRON WORKS CO. OF OHIO, Sharon, Pa.
See adv index at end of book
Phoenix Iron Works Co., Meadville, Pa.
PITTSBURGH-DES MOINES STEEL CO., 304 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Pollock Wm. B. Co., Youngstown, O.
Quaker City Iron Works (Dredge & Pontoon), Tioga & Richmond, Phila., Pa.
Quintard Iron Works Co., 40 Wall, New York
Reeves Bros. Co., Alliance, O.
See adv index at end of book
Riter-Conley Co., Oliver bldg, Pittsburgh, Pa.
Sacramento Pipe Works, Sacramento, Cal.
San Francisco Bridge Co., Nevada Bank bldg, San Francisco, Cal.
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
Seattle Boiler Works, 1123 W 45th, Seattle, Wash.
Shaw Benj. F. Co., Wilmington, Del. land, Pa.
Smith S. Morgan Co., P. O. Box 667, York, Pa.
Southern Boiler & Tank Works, 1275 Thomas, Memphis, Tenn.
Spokane Culvert & Tank Co., Spokane, Wash.
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Steel Tank & Pipe Co., Corbin Station, Berkeley, Cal.
Struthers-Wells Co., Warren, Pa.
Tippett & Wood, Phillipsburg, N. J.
Tofte Boiler & Sheet Iron Works, Houston, Tex.
Toledo Metal Manufactures Co. (The), 983-1015 Front, Toledo, O.
See adv index at end of book
Treadwell Constr. Co., Midland, Pa.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
Trump Mfg. Co., Springfield, O.
Union Construction Co., Balfour bldg, San Francisco, Cal.
Union Iron Works, Hoboken, N. J.
Union Iron Works, Spokane, Wash.
Union Tank & Pipe Co., 2301H Santa Fe av, Los Angeles, Cal.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Warren City Tank & Boiler Co., Warren, O. *See adv index at end of book*
Weigele Wm. A., 3001 Larimer, Denver, Colo.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Willamette Iron & Steel Wks., ft. of Front, Portland, Ore.

10959— Pipe (Second Hand)

Adams Pipe Works, 2025 Bay, Los Angeles, Cal.
Albert & Davidson Pipe Corp., 256-264 Oakland, Brooklyn, N. Y.
See adv index at end of book
Carnick R., Franklin, Pa.
Davidson Pipe & Iron Co., 426 Kent av, Bklyn, N. Y.
Eagle Pipe Supply Co., 233 B'way, New York
Foster L. B. Co., Park bldg., Pittsburgh, Pa.
Green L. A., First Nat'l Bank bldg, Pittsburgh, Pa.
Greenspon's Jos. Sons Iron & Steel Co., 67 Branch, St. Louis, Mo.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Keystone Pipe & Supply Co., Butler, Pa.
McDowell & Co., Galveston & Western, Pittsburgh, Pa.
Marine Metal & Supply Co., 167 South, New York
Ohio Pipe Co. (New & Second Hand), Findlay, O.
Pacific Pipe Co. ("Pacific"), 201 Howard, San Francisco, Cal.
Perry, Buxton, Doane Co., First, Boston, Mass.
Phila. Second Hand Pipe Supply Co., 1003 N 7th, Phila., Pa.
Pipe & Contractors Supply Co., 8 Dover, New York
Pittsburgh Scrap Iron Co., S. 20th & Wharton, Pittsburgh, Pa.
Republic Pipe & Iron Corp., 23H Varick Brooklyn, N. Y.
See adv index at end of book
Schecter Pipe Works, 304H Howard, San Francisco, Cal.
Standard Pipe & Supply Co. (Oil Well Casing), 949 Date, Los Angeles, Cal.
Tierney A. L., Box 1649, Pittsburgh, Pa.
Zeinicker Walter A. Supply Co., 325 Locust, St. Louis, Mo.

10960— Pipe (Sewer)

Am. Clay & Cement Corp. (Dlrs.), 1175 Main, E Rochester, N. Y.
American Fire Brick Co. (Salt Glazed), 1102 Monroe, Spokane, Wash.
American Sewer Pipe Co., Akron, O.
Argillo Works, Rock Island, Ill.
Atlas Coal & Supply Co., Binghamton, N. Y.
Avon Milling & Mfg. Co., Avon, Ill.
Bannon P. Pipe Co. (Vitrified), Louisville, Ky.
Barnitz, Geo. A., York, Pa.
Berry & Ferguson, 159 Devonshire, Boston, Mass.
Berthelet H. Sewer Pipe Co., 4th & Montana av, Milwaukee, Wis.
Blackmer & Post Pipe Co. (Salt Glazed Vitrified), Boatman's Bank bldg, St. Louis, Mo.
Butte Sewer Pipe & Tile Co., Butte, Mont.
California Pottery Co., 579 Mills bldg, San Francisco Cal.
Cannelton Sewer Pipe Co., Cannelton, Ind.
Century Gy. Pressure Concrete Co., 2516 5th, Berkeley, Cal.
Chattanooga Sewer Pipe Wks. (Vitrified Glazed Clay), W 11th & Cross, Chattanooga, Tenn.
Chicago Fire Brick Co., 133 W Washington, Chicago, Ill.
Cincinnati Sewer Pipe Co., Elm & Water, Cincinnati, O.
Clark N. & Sons, 116 Natoma, San Francisco, Cal.
Clawson L. E. Co., 80 Page, San Francisco, Cal.
Clay Product Co., 133 W Washington, Chicago, Ill.
Clearfield Sewer Pipe Co., Clearfield, Pa.
Clermont Sewer Pipe Co., Clermont, Pa.
Columbus Fire & Fire Brick Co., 16 S 3rd, Columbus, Ind.
Columbus Sewer Pipe Co. (Vitrified Glazed Clay), Columbus, Ga.
De Haas G. (Wholesale Dealer), N Marquette, Mich.
Dee Wm. E. Co., 30 N La Salle, Chicago, Ill. Works: Mecca, Ind.
Delaware Clay Mfg. Co., Delaware, O.
Delta Cement Tile Co., Greenville, Miss.
Dennison Sewer Pipe Co., Dennison, O.
Denny-Renton Clay & Coal Co., Seattle, Wash.
Denver Sewer Pipe & Clay Co., Denver, Colo.
Dickey, W. S. Clay Mfg. Co. (Vitrified Glazed Clay), Kansas City, Mo.
East Ohio Sewer Pipe Co. (Vitrified Clay), Irondale, O.
Eastern Clay Goods Co., 80 Federal, Boston, Mass.
Edwards Vitrified Brick Co., Albion, Ill.
Eichelberger's T. D. Sons, Dayton, O.
Eugene Concrete Pipe Co., Eugene, Ore.
Evans Clay Mfg. Co., Uhrichsville, O.
Evens & Howard Fire Brick Co. (Up to 42 Inches), 920 Market, St. Louis, Mo.
Gelsen L. S. & Son, Fillmore, N. J.
Georgia Vitrified Brick & Clay Co., Augusta, Ga.
Gladding, McBean & Co. (For Irrigation), Crocker bldg, San Francisco, Cal. Works: Lincoln, Cal.
Granite Clay Co., Mogadore, O.
Great Northern Sewer Pipe Co., Empire, Ohio
Indiana Sewer Pipe Co., Mecca, Ind.
Iowa Pipe & Tile Co., Des Moines, Iowa
Junction City Sewer Pipe Co., Junction City, O.
Kaul Clay Mfg. Co., Toronto, O.
Kiamensi Clay Co., Newport, Del.
Laclede-Christy Clay Products Co., Railway Ex. bldg, St. Louis, Mo.
Lafond T. & Son, Kankakee, Ill.
LARKIN & CO., J. K., 253 Broadway, New York. *See adv index at end of book*
Lehigh Sewer Pipe & Tile Co., Fort Dodge, Ia.
Lyth A. & Sons Co., 48 W. Eagle, Buffalo, N. Y.
Lyth Tile Co., Mutual Life bldg, Buffalo, N. Y.
McNut Lewis (Also Fittings), Brazil, Ind.
McNutt & McConnell Co., Brazil, Ind.
Macomb Sewer Pipe Co. (Vitrified Glazed Clay), Macomb, Ill.
Macon Sewer Pipe Wks. (Vitrified Glazed Clay), Macon, Ga.
Medina Iron & Brass Co., Dept. H, East av at RR., Medina, N. Y.
Mason City Sewer Pipe Co., Mason City, Ia.



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Weight for weight, Root Spiral Riveted Pipe is the strongest, most durable pipe made, and the most economical in the long run. It is used for water supply, exhaust steam, condenser lines compressed air, fluid conveying of any kind, paper and pulp mill service, textile mills, dye works, ventilation, irrigation, hydraulic mining and in fact for any pipe service.

This pipe is furnished either asphalted or Galvanized and with Flanged, Bolted or Slip Joint. Made in all sizes, 3″ to 30″ diameter.

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Mushet W. E. Co. (Dirs.), 700 2d, San Francisco, Cal.
National Fireproofing Co., 1100 Fulton bldg, Pittsburgh, Pa.
See adv index at end of book
National Sewer Pipe Co., Webster City, Ia.
New York State Sewer Pipe Co., Rochester, N. Y.
Northwestern Clay Mfg. Co., Aledo, Ill.
Oconee Brick & Tile Co., Middledgeville, Ga.
Ogden Sewer Pipe & Clay Co. (Vitrified Glazed Clay), Ogden, Utah
Oakland Art Pottery, 2237 E 12th, Oakland, Cal.
Ohio Culvert Pipe Co., Tiffin, O.
Ohio River Sewer Pipe Co., Empire, O.
Owensboro Sewer Pipe Co., Owensboro, Ky.
Pacific Clay Products Co., 129 W 2nd, Los Angeles, Cal.
Pacific Sewer Pipe Co., Los Angels, Cal.
Patton Clay Mfg. Co. (Cambria Co.), Patton, Pa.
Pomona Terra Cotta Co. (Shade), Pomona, N. C.
Red Wing Sewer Pipe Co., Red Wing, Minn.
Robinson Clay Product Co., Akron, O.
Robinson T. & Co. (Terra Cotta), H, Real Estate Tr. bldg, Phila., Pa.
ville, O.
Robinson & Son Sewer Pipe Co., Uhrichs-
St. Marys Sewer Pipe Co. (3 to 36 inches), St. Marys, Pa.
Salt Lake Pressed Brick Co., Salt Lake City, Utah
San Antonio Sewer Pipe Works (Vitrified
Shawmut Clay Mfg. Co. ("Shawmut"), Drummond, Pa.
Somerville Thos. Co., 312 13th N W, Washington, D. C.
Glazed Clay), San Antonio, Tex.
Southern Sewer Pipe Co., Birmingham, Ala.
Standard Fire Brick Co., Pueblo, Colo.
Standard Sewer Pipe Works (Vitrified Glazed Clay), Rome, Ga.
Stoneware Pipe Co., East Alton, Ill.
Stratton Fire Clay Co., Empire, O.
Streator Clay Mfg. Co., Streator, Ill.
Texarkana Pipe Works (Vitrified), Texarkana, Tex.
Tropico Potteries, Inc., Glendale, Cal.
Twin City Fuel Co., Neenah, Wis.
Union Sewer Pipe Co., McKeesport, Pa.
Utah Fire Clay Co., Salt Lake City, Utah
Washington Brick, Lime & Sewer Pipe Co. (Vitrified), Spokane, Wash.
West Virginia Fire Clay Mfg. Co. (Fire Clay), Diamond Bank bldg, Pittsburgh, Pa.
White Hall Sewer Pipe & Stoneware Co., White Hall, Ill.
Williams N. A. Co., 133 W Washington, Chicago, Ill.
Winslow & Co. (Vitrified Salt Glazed), Portland, Me.
Zelnicker Walter A. Supply Co. (Dealer), 325 Locust, St. Louis, Mo.

10961—Pipe (Sewer, Cement)

Colorado Concrete Mfg. Co., Colorado Springs, Col.
Concrete Products Co., Diamond B'k bldg, Pittsburgh, Pa.
Concrete Products Co., Everett, Wash.
Connelly, Thomas, 118 N. La Salle, Chicago, Ill.
Rhode Island Cement Drain Pipe Co. (Cement), 500 Valley, Providence, R. I.

10962—Pipe (Sewer, Reinforced Concrete)

Lock Joint Pipe Co., East Orange, N. J.
Pacific Lock Joint Pipe Co., Seattle, Wash.
Stanley Reinforced Concrete Co., Centralia, Wash.
Western Reinforced Concrete Pipe Co., 6th & Utah, Los Angeles, Cal.

10962a— Pipe (Sheet Metal)

Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.

10963— Pipe (Signal)

BYERS A. M. CO. (Genuine Wrought Iron), 235 Water, Pittsburgh, Pa.
See adv index at end of book
Reading Iron Co., Baer bldg, Reading, Pa.
Spang, Chalfant & Co., 2003 Union Bank bldg, Pittsburgh, Pa.
Youngstown Sheet & Tube Co., Youngstown, Ohio

10964—Pipe (Spiral Lock Seam)

Lamb & Ritchie Co., Cambridge, Mass.
Robertson Bros. Mfg. Co., 5495 S Western blvd, Chicago, Ill.

10965— Pipe (Spiral Riveted)

ABENDROTH & ROOT MFG. CO. (For Pressures up to 200 lbs), Newburgh, N. Y. *See adv index at end of book*
AMERICAN SPIRAL PIPE WORKS ("Taylor's" Steel), Box 485, Chicago, Ill., & 50 Church, New York
See adv index at end of book
Colonial Supply Co., 217 Water, Pittsburgh, Pa.
See adv index at end of book
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
McMann & Taylor Co., 104 John, New York
See adv index at end of book
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
Moore Edgar M. & Co., (Dirs.), Farmers' Bank bldg, Pittsburgh, Pa.

10966— Pipe (Steel)

Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book

PIPE—Steel

Pipe made of sheet steel, plain or galvanized, riveted or welded, for conveying water, air or gases for water works, hydro-electric plants or industries of any kind.

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253 Broadway
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10967—Pipe (Steel Enameled)

Central Tube Co., 1st National Bank bldg, Pittsburgh, Pa.
Youngstown Sheet & Tube Co., Youngstown, Ohio

10968— Pipe (Suction)

Stein John J. (Spiral & Straight Riveted Flanged), 30 Clay, B'klyn, N. Y.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Western Railway Equipment Co. ("Linstrom," Non-Freezing, Central Nat'l Bank bldg, St. Louis, Mo.

10969— Pipe (Sulphite Mill)

Chadwick-Boston Lead Co. (Special Hard Lead), Boston, Mass.

10969a— Pipe (Terra Cotta)

Chattanooga Sewer Pipe Works, W 11th & Cross, Chattanooga, Tenn.
Columbus Sewer Pipe Co., Columbus, Ga.
Dickey W. S. Clay Co., Kansas City, Mo.
Macomb Sewer Pipe Works, Macomb, Ill.
Macon Sewer Pipe Works, Macon, Ga.
Ogden Sewer Pipe & Clay Co., Ogden, Utah.
Robinson T. & Co. (Sewer), H, Real Estate Tr. bldg, Phila., Pa.
San Antonio Sewer Pipe Works, San Antonio, Texas
Southern Sewer Pipe Works, Birmingham, Ala.
Standard Sewer Pipe Works, Rome, Ga.

10970—Pipe Thawing Apparatus

American Transformer Co., 178-182 Emmet, Newark, N. J.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*

10971—Pipe Threaders (Receding)

See Also Stocks & Dies

Borden Co., The ("Beaver"), Warren, O.
Greenfield Tap & Die Corp. ("G. T. D."), Greenfield, Mass.
Handy Mfg. Co. ("Beaver"), Bridgeport, Conn.
Hart Mfg. Co. ("Buckeye"), Cleveland, O.
Toledo Pipe Threading Machine Co., 1440 Summit, Toledo, O.
Oster Mfg. Co. ("Matchless"), 2057 E 61st pl, Cleveland, Ohio

10972— Pipe (Tin Lined)

Chadwick-Boston Lead Co. (Iron), 162 Congress, Boston, Mass.
Lead Lined Iron Pipe Co. (Iron & Brass), Wakefield, Mass.
Rochester Lead Works, 330 Exchange, Rochester, N. Y.

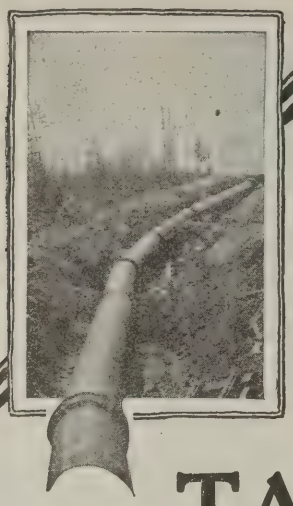
10972a— Pipe Tools

Greenfield Tap & Die Corp. (Stocks, Dies, Reamers, Taps, Cutters, Vises & Wrenches), Greenfield, Mass.
Reed Mfg. Co., Erie, Pa.
U. S. Wind & Engine Pump Co., Water, Batavia, Ill.

10973— Pipe (Tuyere)

Hartman Co. (For Blast Furnace), 1231 N Front, Phila., Pa.
National Tube Co. ("National"), Frick bldg, Pittsburgh, Pa.

(Continued on following page)



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Sizes 3 to 42 Inches

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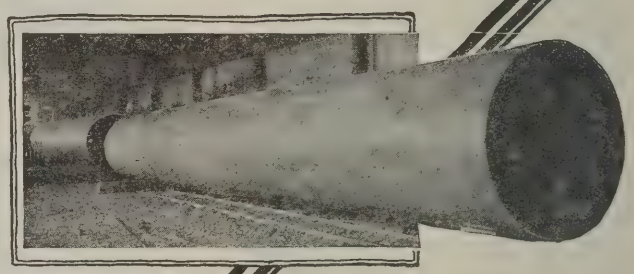
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Central Tube Co., 1st National Bank bldg, Pittsburgh, Pa.
Connery & Co. Inc., 4000 N 2nd, Phila., Pa.
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Continental Iron Works, West & Calyer, Brooklyn, N. Y.
Dollinger John Jr., Inc., Beaumont, Tex.
Hamler Boiler & Tank Co., Dept. H, W 66th & 60th av, Chicago, Ill.
KELLOGG M. W. CO., 90 West, New York
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Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
McNamara Bros. Co., Westport, Baltimore, Md.
Manitowoc Engng. Works, Manitowoc, Wis.
National Tube Co., Frick bldg, Pittsburgh, Pa.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
Novelty Steam Boiler Works, 917 S Howard, Baltimore, Md.
Pennsylvania Furnace & Iron Co., Warren, Pa. *See adv index at end of book*

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Shaw Benj. F. Co., Wilmington, Del.
Spokane Culvert Tank Co., Spokane, Wash.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Williamette Iron & Steel Works, ft. of Front, Portland, Ore.
Whitlock Coil Pipe Co., Hartford, Conn.
Youngstown Sheet & Tube Co., Youngstown, Ohio

10975— Pipe Welding

Ballwood Co., The, 30 Church, New York
METAL & THERMIT CORP., 120 Broadway, New York
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Rempe Co. (By Electricity), 341 N Sacramento av, Chicago, Ill.
Shaw Benj. F. Co., Wilmington, Del.
Union Tank & Pipe Co., 2801 Santa Fe av, Los Angeles, Cal.

10975a— Pipe (Well)

Chattanooga Sewer Pipe Works, W 11th & Cross, Chattanooga, Tenn.
Coast Culvert & Flume Co., Col. blvd & Derby, Portland, Ore.
Columbus Sewer Pipe Co., Columbus, Ga.
Consolidated Pipe Co., 2440 E 9th, Los Angeles, Cal.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Lacy Mfg. Co., 601 Washington bldg, Los Angeles, Cal.
Macomb Sewer Pipe Works, Macomb, Ill.
Macon Sewer Pipe Works, Macon, Ga.
Ogden Sewer Pipe & Clay Co., Ogden, Utah.
San Antonio Sewer Pipe Works, San Antonio, Texas
Southern Sewer Pipe Works, Birmingham, Ala.
Standard Sewer Pipe Works, Rome, Ga.
Texarkana Pipe Works, Texarkana, Tex.
Union Tank & Pipe Co., 2801 Santa Fe av, Los Angeles, Cal.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

10976— Pipe (Wood)

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Canal Lumber Co. ("Douglas" Fir staves), Seattle, Wash.
Cascade Pipe & Flume Co., 2839 W Florida, Seattle, Wash.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Continental Pipe Mfg. Co. (Stave, Plain & Creosoted: 2 in. to 20 ft. diameter for Water Works, Power, Irrigation, Sewer), 4519 14th av N W, Seattle, Wash.
Eagle Tank Co., 2423 N Crawford av, Chicago, Ill.
See adv index at end of book
Federal Pipe & Tank Co., 5332 24th av, N W, Seattle, Wash.
JOHNSON-PETER CO., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Michigan Pipe Co. ("Michigan" Combination Steel & Wood), Bay City, Mich.
PACIFIC TANK & PIPE CO. (Machine Banded), 320 Market, San Francisco, Cal., & 2 Rector, New York
Redwood Mfrs Co. ("Remco" continuous Wooden Stave & Machine Banded), H, Hobart bldg, San Francisco, Cal.
St. Helen's Creosoting Works, Yeon bldg, Portland, Ore.
Standard Wood Pipe Co., Williamsport, Pa.
Wyckoff A. & Son Co. (Stave), Elmira, N. Y.
Wyckoff Pipe & Creosoting Co. (Acid Proof), 552 5th av, New York

10977— Pipe (Wood Fibre)

Fibre Conduit Co., Orangeburg, N. Y.
Harris Pump & Supply Co., 316 2nd av, Pittsburgh, Pa.

10978—Pipe (Wooden Stave)

AMERICAN WOOD PIPE CO., Tacoma, Wash.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
Cascade Pipe & Flume Co., 2839 W Florida, Seattle, Wash.
Continental Pipe Mfg. Co., 4519 14th av N W, Seattle, Wash.
Eagle Tank Co., 2423 N Crawford av, Chicago, Ill.
See adv index at end of book
Federal Pipe & Tank Co., 5332 24th av, N W, Seattle, Wash.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
PACIFIC TANK & PIPE CO., 320 Market, San Francisco, Cal., and 2 Rector, New York
St. Helen's Creosoting Works, Yeon bldg, Portland, Ore.
Stearns A. T. Lumber Co., 100 Taylor, Boston, Mass.
See adv index at end of book

10979—Pipe (Wrought Iron, Genuine)

See also Pipe & Tube Mills
BYERS A. M. CO. (Standard, Extra Heavy & Double Extra Heavy), 235 Water, Pittsburgh, Pa.
See adv index at end of book

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UTICA
Charles Millar & Son Co.
WATERTOWN
Hunting Supply Corp.

NORTH CAROLINA
CHARLOTTE
General Fire Extinguisher Co.
GREENSBORO
Odell Mill Supply Company

OHIO
AKRON
Hardware & Supply Company
Standard Sanitary Mfg. Co.
CANTON
Standard Sanitary Mfg. Co.
CINCINNATI
The Merkel Brothers Co.
CLEVELAND
The Kennedy Company
W. M. Pattison Supply Co.
Standard Sanitary Mfg. Co.
COLUMBUS
Standard Sanitary Mfg. Co.
DAYTON
M. J. Gibbons Supply Co.
FINDLAY
Ohio Pipe Co.
LIMA
Crane Company
PORTSMOUTH
Standard Supply Company
TOLEDO
Standard Sanitary Mfg. Co.
YOUNGSTOWN
Stambaugh-Thompson Co.
ZANESVILLE
The Roekel Company

OKLAHOMA
MUSKOGEE
Crane Company
TULSA
Crane Company

PENNSYLVANIA
ALLENTOWN
Lehigh Valley Supply Co.
ALTOONA
Standard Sanitary Mfg. Co.
BRADFORD
Bradford Supply Co.
BUTLER
Keystone Pipe & Supply Co.
EASTON
Lehigh Valley Supply Co.
ERIE
Jarecki Mfg. Co.
Standard Sanitary Mfg. Co.
HARRISBURG
Appleby Bros. & Whittaker Co.
LANCASTER
Raub Supply Company
LATTIMER MINES
Lattimer Supply & Machinery Co.
PHILADELPHIA
H. Belfield Company
J. D. Johnson Co.
John Mancely Co.
H. B. Pancoast Company
McArdle & Cooney, Inc.
PITTSBURGH
Anchor Sanitary Mfg. Company
Bowman Supply Company
Chandler-Boyd Supply Co.
Colonial Supply Co.
Crane Company
Fort Pitt Supply Company
Frick & Lindsay Co.
Harris Pump & Supply Co.
Jarecki Mfg. Co.
Kelly & Jones Co.
Pittsburgh Gage & Supply Co.
Pittsburgh Supply Company
Somers, Fitler & Todd Co.
Standard Sanitary Mfg. Co.
Water Street Branch
East End Branch
C. A. Turner, Inc.
SCRANTON
W. A. Case & Son Mfg. Co.
SOUTH BROWNSVILLE
Ward Supply Company
TIDIOUTE
Bradford Supply Co.
WARREN
Bradford Supply Co.
WILKES-BARRE
J. D. Johnston Company

RHODE ISLAND
PROVIDENCE
Allen & Reed, Inc.

TENNESSEE
MEMPHIS
N. O. Nelson Mfg. Co.
NASHVILLE
Standard Sanitary Mfg. Co.

TEXAS
BEAUMONT
E. L. Wilson Hdwe. Co.
DALLAS
N. O. Nelson Mfg. Co.
Standard Sanitary Mfg. Co.
HOUSTON
Standard Sanitary Mfg. Co.
SAN ANTONIO
Standard Sanitary Mfg. Co.

VERMONT
BURLINGTON
G. S. Blodgett Company

VIRGINIA
NORFOLK
The Tomlinson Co.

WASHINGTON
SEATTLE
Crane Company

WEST VIRGINIA
CHARLESTON
Baldwin Supply Co.
HUNTINGTON
Banks Supply Company
Standard Sanitary Mfg. Co.
WHEELING
Standard Sanitary Mfg. Co.
Trimble & Lutz Supply Co.

WISCONSIN
MILWAUKEE
Robert Rom Company
Standard Sanitary Mfg. Co.
OSHKOSH
Crane Company

CANADA
MONTREAL, QUEBEC
Canadian Fairbanks-Morse Co.
TORONTO, ONT.
Canadian Fairbanks-Morse Co.
VANCOUVER, B. C.
Canadian Fairbanks-Morse Co.
VICTORIA, B. C.
Canadian Fairbanks-Morse Co.
WINNIPEG, MAN.
General Supply Company of Canada

CUBA
HAVANA
Purdy & Henderson Trading Co.

A. M. BYERS CO., *Established 1864* PITTSBURGH, PA.,

NEW YORK CITY
HOUSTON
ROCHESTER, N. Y.

BOSTON
PHILADELPHIA
LOS ANGELES

KANSAS CITY
CHICAGO
CINCINNATI

CLEVELAND
TULSA

McMANN & TAYLOR CO.

WROUGHT STEEL **PIPE** WROUGHT IRON

Boiler Tubes, Fittings, Valves, Etc.

104 & 106 JOHN STREET NEW YORK

Pipe (Wrought Iron, Genuine)—Continued

Cohoes Rolling Mill Co., Cohoes, N. Y.
bldg, Grand Rapids, Mich.
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book

J. K. LARKIN & CO.

253 Broadway
NEW YORK

Reading Iron Co., Baer bldg, Reading, Pa.
South Chester Tube Co., Chester, Pa.
Spang, Chalfant & Co., Union Bank bldg, Pittsburgh, Pa.
Steel & Tube Co., Conway bldg, Chicago, Ill.

Pipe (Wrought Iron Mfrs.)

See Pipe & Tube Mills

10980—Pipe (Wrought Iron, Jobbers)

See also Steam Fitters' Supplies; for Manufacturers, see Pipe & Tube Mills
ALBERT & DAVIDSON PIPE CORP., 256-264 Oakland, Brooklyn, N. Y.
See adv index at end of book
Baker-Payne-Voye Co., 1177 Adams, Boston 24, Mass.
Corneil & Underhill, Spring & Greenwich, New York
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Davidson Pipe & Iron Co., 436 Kent av, Brooklyn, N. Y.
Donovan R. J. Co., 217 Pearl, New York
FRICK & LINDSAY CO. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Johnson-Peters Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book

J. K. LARKIN & CO.

253 Broadway
NEW YORK

McMann James R. Co., 56 Gold, New York.
McMANN & TAYLOR CO., 104 John, New York *See adv index at end of book*
Mill & Mine Supply Co., P. O. Box 482, Akron, O.
See adv index at end of book

STEEL & IRON PIPE

All Sizes—Immediate Shipment

The Mill & Mine Supply Co.
Akron, Ohio

Moore Edgar M. & Co., Farmers Bank bldg, Pittsburgh, Pa.
Nason Mfg. Co., 71 Fulton, New York
See adv index at end of book
Oldenburg Arthur L. Co., 1447 E 39th, Cleveland, Ohio
O'Neil M., Supply Co., 25 Cliff, New York
Peerless Iron Pipe Exchange Inc., 238 Jackson av, Long Island City, N. Y.
Reenan W. F. & Bro., 120 Worth, New York
Republic Pipe & Iron Corp., 23H Varick av, Brooklyn, N. Y.
See adv index at end of book
Rownson, Drew & Clydesdale, Inc., 80 Wall, New York
SIMMONS JOHN CO., 110 Centre, New York *See adv index at end of book*
Shaw Benj. F. Co., Wilmington, Del.
Trimble & Lutz Supply Co. (Byers Pipe Distributor), Wheeling, W. Va.
Walraven Co., The, 36-38 W Alabama, Atlanta, Ga.

10981—Pipe & Boiler Covering Mfrs.

See Sub-classifications following

For Jobbers in these Goods, see Mill & Factory Supplies; also Steam Fitters' Supplies

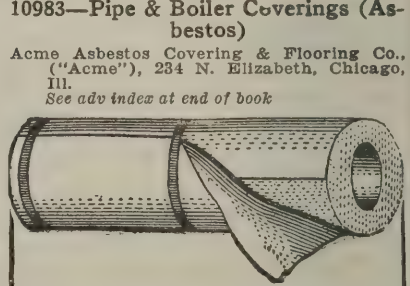
ACME ASBESTOS COVERING & FLOORING CO., 234 N Elizabeth, Chicago, Ill.
Arco Co. ("Dum-Dum"), Euclid Av. & E 65th, Cleveland, O.
Armstrong Cork & Insulation Co. ("Nonpareil"), 24th & A. V. R. R., Pittsburgh, Pa.
Asbestos & Magnesia Materials Co., 1143 W Madison, Chicago, Ill.
Barrett Co. (Plastic), 17 Battery pl, New York
Carey Philip Mfg. Co., 330 Wayne, Lockland, Cincinnati, O.
See adv index at end of book
Celite Products Co. ("Sil-o-cel"), 53 W Jackson blvd, Chicago, Ill.
Doggett Stanley (Raw Materials), 11 Cliff, New York
Federal Asbestos Co., Milwaukee, Wis.
Gillen-Cole Co., 60 N Front, Portland, Ore.
Humphrys' R. A. Sons (Cotton Only), 1026 Callowhill, Phila., Pa.
See adv index at end of book
Johns-Manville Inc., Madison av. & 41st New York
Johnson John Co., 305 Woodward, Detroit, Mich.
Keasbey & Mattison Co., Ambler, Pa.
McCleanahan Products Co. Inc. ("Mpco"), 112 Kearny, San Francisco, Cal.
Marsh Burnett Co. (Fire Clay), 1310 E 6th, Los Angeles, Cal.
MIKESELL BROS. CO., 156 N La Salle, Chicago, Ill. *See adv index at end of book*
National Magnesia Mfg. Co., 544 Market, San Francisco, Cal.
Nott W. S. Co., 2d av N & 3d, Minneapolis, Minn.
Paraffin Co.'s, Inc., 475 Brannan, San Francisco, Cal.
Pitts & Kitts Mfg. & Supply Co. ("Plastikote"), 342 Madison av, New York
Richards Mfg. Co., Grand Rapids, Mich.
Ric-Will Co. (Underground Pipe Covering), Cleveland, O.
Seattle Asbestos Factory, 1538 N Westlake av, Seattle, Wash.
Union Fibre Co. Inc. (Cold & Hot Pipe Covering Only), Winona, Minn.
U. S. Mineral Wool Co., (Mineral Wool), 280 Madison av, New York
Watson H. F. Co. (Asbestos), Erie, Pa.
Western Insulex Co. ("Insulex"), 4065 Hollis, Emeryville, Cal.

10982—Pipe & Boiler Coverings (Air Cell)

ACME ASBESTOS COVERING & FLOORING CO. (Asbestos), 234 N Elizabeth, Chicago, Ill.
See adv index at end of book
Albion Mfg. Co., 709 1st av, Seattle, Wash.
AMERICAN INSULATION CO. ("Amin-co"), Nicetown, Phila., Pa.
See adv index at end of book
Asbestos & Magnesia Materials Co., 1143 W Madison, Chicago, Ill.
Celite Products Co., 53 W Jackson blvd., Chicago, Ill.
Gillen-Cole Co., 60 N Front, Portland, Ore.
Franklin Mfg. Co. ("Franklin"), Franklin, Pa.
Keasbey & Mattison Co. (Wool, Felt, etc.), Amber, Pa.
Los Angeles Rubber Co., 124 E 3d, Los Angeles, Cal.
Mikesell Bros. Co., Wabash, Ind.
See adv index at end of book
Morgan C Stanley ("Morgan"), 445 Larned, Detroit, Mich.
National Air Cell Covering Co., 163 Henderson, Jersey City, N. J.
National Magnesia Mfg. Co., 544 Market, San Francisco, Cal.
Norristown Magnesia & Asbestos Co., Norristown, Pa.
Nott-Atwater Co., 157 S Monroe, Spokane, Wash.
Pacific Asbestos & Supply Co. ("Pasco"), 315 Front, Portland, Ore.
Plant Rubber & Asbestos Works, 537H Brannan, San Francisco, Cal.
Seattle Asbestos Factory, 1538 N Westlake av, Seattle, Wash.

10983—Pipe & Boiler Coverings (Asbestos)

Acme Asbestos Covering & Flooring Co., ("Acme"), 234 N. Elizabeth, Chicago, Ill.
See adv index at end of book



COVERINGS-ASBESTOS

ALL KINDS

ACME ASBESTOS COVERING AND FLOORING CO.

234 N. Elizabeth Street Chicago

Adams & Jewell, Rome, N. Y.
AMERICAN INSULATION CO ("Amin-co"), Nicetown, Phila., Pa.
See adv index at end of book
Asbestos Co. of Cal., 16H Natoma, San Francisco, Cal.
Asbestos Felting Wks., 105 John, New York

Asbestos & Magnesia Materials Co., 1148 W Madison, Chicago, Ill.
Brunett Frank O., 396 Hoyt, Brooklyn, N. Y.
CAREY PHILIP MFG. CO., 330 Wayne Lockland, Cincinnati, O.
Central Asbestos & Magnesia Co., 214 W Grand av, Chicago, Ill.
Chicago Asbestos Mfg. Co., 1909 W 22d pl, Chicago, Ill.
Clow Jas. B. & Sons (Steel or Wrought Iron, Threaded), 534 S Franklin, Chicago, Ill.
Ehret Magnesia Mfg. Co., Valley Forge, Pa.
Federal Asbestos Co., Milwaukee, Wis.
Franklin Mfg. Co. ("Franklin"), Franklin, Pa.
General Asbestos & Rubber Co., Charleston, S. C.
Hardy & Tierney, 410 E 23d, New York
Illinois Fire Proof Covering Co., 216 W Kinzie, Chicago, Ill.
Johns-Manville Inc., Madison av & 41st, New York
Keasbey Robt. A. Co., 445 West, New York
Keasbey & Mattison Co. (Moulded), Ambler, Pa.
Gillen-Cole Co., Front & Davis, Portland, Ore.
Los Angeles Rubber Co., 124 E 3d, Los Angeles, Cal.
Mikesell Bros. Co., Wabash, Ind.
See adv index at end of book
National Air Cell Covering Co., 163 Henderson, Jersey City, N. J.
Nightingale & Childs Co., 205 Congress, Boston, Mass.
Norristown Magnesia & Asbestos Co., Norristown, Pa.
Nott-Atwater Co., 157 S Monroe, Spokane, Wash.
Pacific Asbestos & Supply Co. ("Pasco"), 315 Front, Portland, Ore.
Plant Rubber & Asbestos Works, 537H Brannan, San Francisco, Cal.
Racich Asbestos Mfg. Co., 609 W 55th, New York
Rutland Fire Clay Co. ("Rutland"), Rutland, Vt.
Southern Asbestos Mfg. Co. Inc., Richmond, Va.
Special Service Flooring Corp., 2009 Grand Central, New York
Standard Asbestos Mfg. Co., 822 W Lake, Chicago, Ill.
Standard Pipe Covering Co., 3748 E 71st, Cleveland, O.
Trainer C. W. Mfg. Co., 55 High, Boston, Mass.
Union Asbestos & Rubber Co., 231 S Wells, Chicago, Ill.
See adv index at end of book
Watson H. F. Co. ("Imperial"), Erie, Pa.
Western Asbestos & Mfg. Co., 1219 Stout, Denver, Colo.

10984-5—Pipe & Boiler Coverings (Cement)

Acme Asbestos Covering & Flooring Co., 234 N Elizabeth, Chicago, Ill.
See adv index at end of book
AMERICAN INSULATION CO. ("Amin-co"), Nicetown, Phila., Pa.
See adv index at end of book
Atlas Co., Lincoln, N. J.
Ehret Magnesia Mfg. Co., Valley Forge, Pa.
Franklin Mfg. Co. ("Franklin"), Franklin, Pa.
Johns-Manville Inc., Madison av & 41st, New York
Jones Paint Co., Rome, N. Y.
Mikesell Bros. Co., Wabash, Ind.
See adv index at end of book
National Asbestos Mfg. Co., 193 Henderson, Jersey City, N. J.
National Magnesia Mfg. Co., 544 Market, San Francisco, Cal.
Plant Rubber & Asbestos Works, 537H Brannan, San Francisco, Cal.
Watson H. F. Co., Erie, Pa.

10986— Pipe & Boiler Coverings (Felt)

Acme Asbestos Covering & Flooring Co., 234 N Elizabeth, Chicago, Ill.
See adv index at end of book
Carey Philip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, O.
Ehret Magnesia Mfg. Co., Valley Forge, Pa.
Federal Asbestos Co., Milwaukee, Wis.
Franklin Mfg. Co. ("Franklin"), Franklin, Pa.
Hardy & Tierney (Hair Felt), 410 E 23d, New York
Johns-Manville Inc., Madison av & 41st, New York
Keasbey Robt. A. Co., 445 West, New York
Mikesell Bros. Co., Wabash, Ind.
See adv index at end of book
National Air Cell Covering Co. (Wood Felt), 163 Henderson, Jersey City, N. J.
Watson H. F. Co., Erie, Pa.

10987— Pipe & Boiler Coverings (Magnesia)

Acme Asbestos Covering & Supply Co., 234 N Elizabeth, Chicago, Ill.
See adv index at end of book
Albion Mfg. Co., 709 1st av, Seattle, Wash.
AMERICAN INSULATION CO. ("Amin-co"), Nicetown, Phila., Pa.
See adv index at end of book
American Magnesia & Covering Co., Plymouth Meeting, Pa.
Asbestos & Magnesia Materials Co., 1148 W Madison, Chicago, Ill.
CAREY PHILIP MFG. CO., 330 Wayne av, Lockland, Cincinnati, O.
Central Asbestos & Magnesia Co., 214 W Grand av, Chicago, Ill.
Ehret Magnesia Mfg. Co., Valley Forge, Pa.
Franklin Mfg. Co. ("Franklin"), Franklin, Pa.
Johns-Manville Inc. ("J. M." 85 per cent.) Madison av. & 41st, New York
Keasbey & Mattison Co. (Sectional), Ambler, Pa.
Mikesell Bros. Co., Wabash, Ind.
See adv index at end of book
National Magnesia Mfg. Co., 544 Market, San Francisco, Cal.
New York Asbestos Co., 394 Canal, New York
Norristown Magnesia & Asbestos Co. ("Diamond N"), Norristown, Pa.
Plant Rubber & Asbestos Works, 537H Brannan, San Francisco, Cal.

10988— Pipe & Boiler Coverings (Mineral Wool)

Acme Asbestos Covering & Flooring Co., 234 N Elizabeth, Chicago, Ill.
See adv index at end of book
Mikesell Bros. Co., Wabash, Ind.
See adv index at end of book
U. S. Mineral Wool Co., 280 Madison av, New York

10989— Pipe & Tube Mills

Albert & Davidson Pipe Corp. (Jobbers), 256-264 Oakland, Brooklyn, N. Y.
See adv index at end of book
Allegheny Steel Co. ("Reliance" Charcoal, Iron & Steel Boiler Tubes; "Reliance" Standard Extra Gauge Boiler Tubes), Oliver bldg, Pittsburgh, Pa. Works: Brackenridge, Pa.
Am. Hollow Boring Co. (Steel Pipe), Erie, Pa.
American Steel Pipe & Tank Co., 608 Los Angeles, Cal.
American Steel & Tube Co., Lorain, O.
BABCOCK & WILCOX TUBE CO., Beaver Falls, Pa.
BYERS A. M. CO. (Lap & Butt Welded, Genuine Wrought Iron Pipe Black & Galvanized ⅛ to 12 inches; also complete Line of Oil Country Tubular Goods), 235 Water, Pittsburgh, Pa.
See adv index at end of book
Cattle J. P. & Bro. (Galvanized), Gaul & E Letterly, Phila., Pa.
Central Tube Co. (Wrought Steel Rigid & **Flexible Conduits) 1st National Bank bldg, Pittsburgh, Pa.**
Chicago Metal Mfg. Co., 216 W Ontario, Chicago, Ill.
Cohoes Rolling Mill Co. (Wrought Iron Pipe), Cohoes, N. Y.
Colonial Supply Co. (Jobbers), 441 1st av, Pittsburgh, Pa.
See adv index at end of book
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
DELAWARE SEAMLESS TUBE CO., Auburn, Pa.
See adv index at end of book
Detroit Seamless Steel Tubes Co. (Cold Drawn Seamless Steel Boiler Tubes, Automobile Tubes, Stay Tubes, etc), W Warren & Wyoming, Detroit, Mich.
Duriron Castings Co. Inc. ("Duro"), Dayton, O.
Fords & Kendig Co. (Dirs.), 1428H Callowhill, Phila., Pa.
Frick & Lindsay Co. (Dealers), Sandusky & Columbus, Pittsburgh, Pa.
See adv index at end of book
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
GIBERSON E. D. & CO., INC. (Seamless, Tapwelded & Charcoal Iron Boiler Tubes; Seamless Steel Tubing, Welded Tubing, etc.), 44 Rector, New York
See adv index at end of book
Globe Seamless Steel Tubes Co. (Seamless Steel), Peoples Gas bldg, Chicago, Ill.
Gulf Pipe Line Co., Frik bldg annex, Pittsburgh, Pa.
Ill. Pipe Iron & Mfg. Co., 3465 S Lawndale av, Chicago, Ill.
Independent Steel Corp., 19 Moore, New York
JOHNSON-PETER CO., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Jones & Laughlin Steel Co., Ross, Pittsburgh, Pa.
Kellogg M. W. Co., 90 West, New York
See adv index at end of book
Keystone Tank & Boiler Works (Wrought Iron & Steel Dirs.), Butler, Pa.
Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cincinnati, O.
La Belle Iron Works (Black & Galvanized Steam, Gas & Water Pipe, Oil & Gas Line Pipe, Casing, Tubing & Drive Pipe, 1¼ to 13 Inches), Steubenville, O.
LARKIN J. K. & CO. (Wrought Iron & Steel Steam), 253 Broadway, New York
See adv index at end of book
McMann & Taylor Co., 104 John, New York.
See adv index at end of book
Mark Mfg. Co. (Black & Galvanized Wrought Iron & Steel Pipe, ⅛ to 20 inches, Boiler Tubes, Casing, Line & Drive Pipe), Evanston, Ill. Mills: Zanesville, O.
Monongahela Tube Co. (Iron & Steel Boiler Tubes), Ferguson bldg, Pittsburgh, Pa.
Moorehead Bros. & Co. (Iron Pipe, etc.), Sharpsburg, Pa.
National Tube Co. ("National" Spellerized Boiler Tubes, Lapweld & Buttweld, Pipe for Steam, Gas & Water, Black, Galvanized & Dipped, also for Oil Well Casing, Air Line, Brake Beam, Tuyere, Dry Kiln, Ammonia, Drive Signal, Conduit, etc.), Frick bldg, Pittsburgh, Pa.
Newark Tube & Metal Works (Small Sizes Steel Tubing), 569 Ferry, Newark, N. J.
Parkersburg Iron Co. (Charcoal Iron Boiler Tubes, Arch Pipe & Stay Tube), Parkersburg, Pa.
Pittsburg Tube Co. (Bedstead Tubing), Keystone bldg, Pittsburg, Pa.
Reading Iron Co. (Wrought Iron Pipe, Boiler Tubes, Oil Well Tubing & Casing ⅛ to 20 inches), Reading, Pa.
REPUBLIC IRON & STEEL CO. (Black Standard & Galvanized Line Pipe, Drive Pipe, Tubing & Casing), Youngstown, O.
See Branch Offices, Alphabetical Section
Republic Pipe & Iron Corp. (Jobbers' Steel), 23H Varick av, Brooklyn, N. Y.
See adv index at end of book
SELIKOWITZ S. D. (Mill Agent), 90 West, New York
SIMMONS JOHN CO. (Wrought Iron & Steel Steam), 110 Centre, New York
See adv index at end of book
South Chester Tube Co. (Wrought Iron Pipe), Chester, Pa.
Spang, Chalfant & Co. (Wrought Iron & Steel Pipe for Water, Gas, Steam & Oil ⅛ to 24 inches & Wrought Iron & Steel Boiler Tubes 1¼ to 13 inches), Union Bank bldg, Pittsburgh, Pa.
Stimpson Edwin B. Co., 352 Kent av, Brooklyn, N. Y.
See adv index at end of book
Tyler Tube & Pipe Co. (Knobbled Charcoal Iron & Algerite Iron Boiler Tubes), Washington, Pa.
Vogel H. G. Co. (Galvanized Pipe), 15 W 37th, New York
Weldless Tube Co., Wooster, Ohio
YOUNGSTOWN SHEET & TUBE CO THE ("Youngstown" Lap Welded & Butt-Welded Pipe & Tubes ⅛ inch to 20 in. diameter. Steel & Iron, Black & Galvanized, Line Pipe, Drive Pipe, Drill Pipe, Oil Well Casing, Ammonia Pipe, Signal Pipe, etc.), Youngstown, Ohio

10990—Pipes (Flush & Supply)

American Brass & Copper Co., 138 Lafayette, New York
Dearborn Brass Co., Cedar Rapids, Ia.
Edwardsville Brass Co., Edwardsville, Ill.
Frost Mfg. Co., Kenosha, Wis.
Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, O.
Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
Klipstein A. & Co. ("Bemanco" low down, tank, bath & basin supply), 644 Greenwich, N. Y.
Little M. S. Mfg. Co., 151H New Park av, Hartford, Conn.
Miller Chas. A. Co. (Low-Down Supply), Sturgis, Mich.
Milwaukee Brass Mfg. Co. (Bath & Basin Cock Supply Pipes, etc.), 251 Lapham, Milwaukee, Wis.
Motor Products Corp., Mack av & Outer Belt Line, Detroit, Mich.
Rundle Mfg. Co., 27th & Wahl, Milwaukee, Wis.
Salem Brass & Iron Mfg. Co., Salem, N. J.
Shwab Bros. Co. (Galvanized Steel), 311 E 9th, New York
Smith E. C. Mfg. Co., 900 W Jackson blvd, Chicago, Ill.
Standard Brass Mfg. Co., Utica, N. Y.
Trenton Brass & Machine Co., Trenton, N. J.
Watrous Co. ("Watrous" White Metal), 524 S Racine, Chicago, Ill.
Wise J. B. Inc., Watertown, N. Y.
Wolverine Brass Works, Grand Rapids, Mich.

10991—Pipes (Glass Blowers')

Speer W. B., 107 Carson, Pittsburgh, Pa.

10992— Pipes (Hawse)

Laughlin Thos. Co., 135 Fore, Portland, Me.
See adv index at end of book
Reed Geo. A. & Son, Gloucester, Mass.
Thacher Propeller & Foundry Corp., Albany, N. Y.
Turl Engng. Wks., Inc., 39 Cortlandt, New York

WILLIAM A. POPE, *CONTRACTOR*
POWER AND INDUSTRIAL **PIPING** FURNISHED AND ERECTED
SARGOL WELDED JOINTS
26 NORTH JEFFERSON STREET CHICAGO

10993— Pipes (Hose)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Goodall Rubber Co., 11th & Arch, Phila., Pa.
McNab & Harlin Mfg. Co., Paterson, N. J.

10994— Pipes (Organ)

Pierce Sam'l Organ Pipe Co., Reading, Mass.
White Fred I., Reading, Mass.

10995— Pipes (Play)

Gutta Percha & Rubber Mfg. Co. ("Maltese Cross" Flexible Rubber, etc.), 350 Madison av, New York

10996— Pipes (Smoking)

Akron Smoking Pipe Co. (Clay), Mogadore, Ohio
American Briar Pipe Co., 182 W Lake, Chicago, Ill.
De Muth W. & Co. (All Kinds), 230 5th av, New York
Ejecto Cigarette Holder Co., 1121 Howard, San Francisco, Cal.
Estes E. B. & Sons (Wood), 364 5th av, New York *See adv index at end of book*
Frank S. M. & Co., 133 5th av, New York
Frankau Adolph & Co. (Briar), 129 5th av, New York
Hirsch John, 524 S Spring, Los Angeles, Cal.
Hirschi & Benheim (Cob), Washington, Mo.
Hunter John S. V. (Clay), Camden, N. J.
Kaufmann Bros. & Bondy (All Kinds), 33 E. 17th, New York
Linkman M. & Co., 323 Wells, Chicago, Ill.
Missouri Meerschaum Co. (Cob), Washington, Mo.
National Cob Pipe Works (Cob), Union, Mo.
Phoenix American Pipe Works (Cob), Boonville, Mo.
Reiss-Premier Pipe Co. (Meerschaum), 40 S Clinton, Chicago, Ill.
Smith J. W. (Clay), Town of Union, N. J.
Springwells Clay Pipe Co., Orion, Mich.
Stehr C. (Meerschaum), 347 Broome, New York
Stiles, H. A. Co., (Stems) 166-174 Portland, Boston, Mass.
See adv index at end of book
Union Pipe Co. (Corncob), Owensville, Mo.
Utter W. H. & Son (Briar), Olean, N. Y.
Washington Cob Pipe Works, Washington, Mo.

10997— Pipes (Supply, for Gas Stoves)

CRESSMAN N. C. CO., 111 S 5th, Phila., Pa.
New York Nickel Plating & Mfg. Co., 327 E 63d, New York

Piping (Exhaust & Blow)

See Exhaust & Blow Piping

10998—Piping (High Pressure)

Almirall & Co., 66 W B'way, New York
American Fdry & Const. Co., 2nd av & Longworth, Pittsburgh, Pa.
American Machine & Mfg. Co., Atlanta, Ga.
Ballwood Co. (The), 30 Church, New York
Baltimore Dry Dock & Ship Building Co., H, East Fort av, Baltimore, Md.
Bowers W. A. Heating Co., 484 Market, Milwaukee, Wis.
Braman, Dow Co., 239 Causeway, Boston, Mass.
Bride, Grimes & Co., Lawrence, Mass.
Burlingame A. Co., 149 Commercial, Worcester, Mass.
Coffin Isaac Co., 52 Sudbury, Boston, Mass.
Crane Co. (Steam), 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Crane W. F. & Co., 149 B'way, New York
Crook H. E. Co., Inc., 28 Light, Baltimore, Md.
Danforth John W. Co., Buffalo, N. Y.
Daugherty, M. J. Co., Dept. H, 25th & Washington Ave., Phila, Pa.
Downey Heating & Supply Co., 615 Clybourn, Milwaukee, Wis.
Faith S. & Co., 2427 Penna. av, Phila., Pa.
Fords & Kendig Co. (Dirs), 1428 Callowhill, Phila., Pa.
Gaylard & Butler Co., Wyoming & Gibson, Scranton, Pa.
Kehm Bros. Co., 15 W Kinzie, Chicago, Ill.
KELLOGG M. W. CO., 90 West, New York
See adv index at end of book
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book

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Kries Henry A. & Sons Co., 8 W Lombard, Baltimore, Md.
Krooschell Bros. Co., 440 W Erie, Chicago, Ill.
Littleford Bros., 444 E Pearl, Cincinnati, Ohio.
See adv index at end of book
McLean & Cousens Co., 65 Chandler, Boston, Mass.
Merrill Co., 19 Pearl, Boston, Mass.
Mitchell W. K. & Co., 2940 Ellsworth, Phila., Pa.
National Valve & Mfg. Co., 3101 Liberty av, Pittsburgh, Pa.
Parks G. M. Co., Fitchburg, Mass.
Pittsburgh Gage & Supply Co., 30th & Liberty av, Pittsburgh, Pa.
Pittsburgh Piping & Equipment Co., 35th & Charlotte, Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
POPE WILLIAM A., 26 N Jefferson, Chicago, Ill.
See adv index at end of book
POWER PIPING CO., Beaver & Western av, Pittsburgh, Pa.
Riggs, Distler & Stringer (Contractors), 25 Light, Baltimore, Md.
Robbins, Gamwell & Co., Pittsfield, Mass.
Shaw Benj. F. Co., Wilmington, Del.
Shaw, Kendall Engineering Co., Toledo, O.
Webb, F. W. Mfg. Co., 56 Elm, Boston, Mass.
York Engineering Co. (Inc.), (For Steam, Hydraulic & Electric Plants, etc., District Steam & Underground Piping a Specialty), York, Pa.

10999— Piping Systems

Dougherty, M. J. Co., Dept. H, 25th & Washington Ave., Phila. Pa.
Fulton Iron Works Co. (Sugar House), St. Louis, Mo.
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Limbert Geo. B. Co. ("Vaustone"), 553 Fulton, Chicago, Ill.
Pittsburgh Piping & Equipment Co., 35th & Charlotte, Pittsburgh, Pa.
Pittsburgh Valve Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Royal Steam Heater Co. (Factory & Power), Gardner, Mass.

10999a—*Pistols (Automatic, Toy)

EDWARDS MFG. CO. (Repeating Paper Cap), 545-565 Eggleston av, Cincinnati, O. *See adv index at end of book*

10999b—Pistols (Firearms)

Colts Patent Fire Arms Mfg. Co. (Automatic), 17 Van Dyke av, Hartford, Conn.
Davis-Warner Arms Co. ("Warner" Automatic), 96 Chambers, New York
Harrington & Richardson Arms Co., 320 Park av, Worcester, Mass.
Pacific Arms Corp. ("Pacific Arms"), 948 Market, San Francisco, Cal.
Remington Arms Co., Inc., 233 B'way, New York
Savage Arms Co. ("Savage" Automatic), 50 Church, New York
Stevens J. Arms Co., Chicopee Falls, Mass.

10999c—*Pistols (Repeating Paper Cap)

EDWARDS MFG. CO., Cincinnati, O.
See adv index at end of book

10999d—*Pistols (Toy, Wood)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

10999e—Piston & Valve Rod Plunger

DARCOID COMPANY ("Rodtite," "Dominion"), 1780 Broadway, New York
See adv index at end of book

11000— Pistons (Engine)

Advance Machine Works Inc. ("Advancmetal"), 1210 S Hope, Los Angeles, Cal.
Allan A. & Son ("Allan"), Dept. H, 6th & Bergen, Harrison, N. J.
Aluminum Mfrs. Inc. ("Lynite"), 2810 Harvard av, Cleveland, Ohio
American Engine & Airplane Co. ("Rite-Wate"), 2869 W Pico, Los Angeles, Cal.
American Piston & Machine Co. (Auto.), 1834 Garfield av, Detroit, Mich.
Ampeco Sales Co. ("Ampeco"), Marshalltown, Ia.
Atlas Machine Works, 1516 S Grand av, Los Angeles, Cal.
Auto Engine Works, University av & Griggs, St. Paul, Minn.
Blettner Geo. H., 1841 W Jackson blvd, Chicago, Ill.
Butler Mfg. Co. ("Bu-Nite"), 3234 W Washington, Indianapolis, Ind.
Capitol Foundry Co., Hartford, Conn.
Central Machine Works, 930 N Howard, Spokane, Wash.
Dall Motor Parts Co. ("Dall" for all makes of cars), P. O. Station D, Cleveland, O.
Detroit Auto Piston Co., 1139 Baltimore av, Detroit, Mich.
Diederich Mfg. Co. ("Moto-Rite"), 6010 Woodward, Detroit, Mich.
Double Seal Ring Co., 2335 S Michigan av, Chicago, Ill.
Du Bois Foundry Co., Cold Spring, N. Y.
Dyer Co., 155 Brookline, Cambridge, Mass.
Electric Machine Corp. ("Elmco Pearlite"), Pratt & Meridian, Indianapolis, Ind.
Evarts Machine Co., 17 Francis av, Hartford, Conn.
Ferro Machine & Foundry Co., E 66th & Hubbard, Cleveland, Ohio
Foster-Johnson Reamer Co., 1082 Beardsley av, Elkhart, Ind.
Green Engineering Co., S Main & Burns av, Dayton, Ohio
Hill-Smith Metal Goods Co. ("H. S." Automobile), 82 Brookline av, Boston, Mass.
Houpert Mach. Co., Harris av & Marion, Long Island City, N. Y.
Ideal Bronze Co. ("Vita-Lite"), 1265 E 55th, Cleveland, Ohio
Interstate Foundry Co., E 61st & Erie R. R., Cleveland, O.
Jahns W. H. ("Jahn's Quality"), 2662 Lacy, Los Angeles, Cal.
Kant-Shore Piston Co. ("Kant-Shore" Aluminum), Spring Grove av, Cincinnati, Ohio
Keuka Industries, Inc. ("Kilkorps"), Hammondsport, N. Y.
Lake Union Foundry Co., Inc., 1703 Westlake av, N, Seattle, Wash.
Levett-Walker M. Co. ("Magnalite" Aluminum), 417 E 23rd, New York
Long E. C. ("E. C. L. Non X"), 6335 E Palmer, Detroit, Mich.
McCadden Machine Works, 316 6th av, N St. Cloud, Minn.
McQuay-Norris Mfg. Co. ("McQuay-Norris Wainwright"), Cooper & Southwest av, St. Louis, Mo.
McQuay-Norris Mfg. Co. of Ind. ("Wainwright"), Connersville, Ind.
Manufacturers Foundry Co., Waterbury, Conn.

Martin Iron Wks., 1222 E 28th, Los Angeles, Cal.
Merritt S. W. Co., 699 W 133rd, New York
Miller Harry A. Mfg. Co. ("Alloyanium"), 2652 Long Beach av., Los Angeles, Cal.
Modern Electric & Machine Co., 936 Fort Wayne av, Indianapolis, Ind.
Muncie Foundry & Machine Co., Muncie, Ind.
Muskegon Motor Specialties Co., Muskegon, Mich.
Noonan D. R., 219 W Court, Paris, Ill.
Ohio Piston Co. ("Ohio"), 5331 St. Clair av, Cleveland, O.
Parker-Street Castings, Co., P. O. Station D, Cleveland, Ohio
Pasadena Piston Co., S Raymond av, Pasadena, Cal.
Perfection Auto Parts Co. ("Ferrolyte"), 410 Lakeside av, Cleveland, Ohio
Pollak Steel Co., Cincinnati, O.
Pondelick Bros. ("Pondalloy"), Leavitt & Jackson blvd, Chicago, Ill.
Precision Products Co., 243 W Congress, Detroit, Mich.
Reliance Foundry Co., Richmond, Ind.
Reliance Mfg. Co., Cedar Rapids, Iowa
Reus Bros. Co. ("Rebco"), 150 W Mt. Royal av, Baltimore, Md.
Rich Steel Products Co. (Vacuum Head, "R.S.P."), Dept H, Battle Creek, Mich.
Schnerr J. J. Co., 799 Golden Gate av, San Francisco, Cal.
Spencer-Smith Machine Co., Howell, Mich.
Storm Mfg. Co., 406 6th av, Minneapolis, Minn.
Swartz Mfg. Co., Freeport, Ill.
Taylor Mfg. Co. ("Taylor Tite"), 10 Portland, Cambridge, Mass.
Trindl Co., 2917 Wabash av, Chicago, Ill.
Tsungani Piston Co. ("Tsungani" Aluminum Alloy), 625 E 11th, Tacoma, Wash.
Underwood H. B. Corp., 1025 Hamilton, Phila., Pa.
United Engine & Machine Co., Inc. ("Silv-O-Lite"), 507 Broadway, Fresno, Cal.
Wadell Motor Corp., 671 Freylinghuysen av, Newark, N. J.
Waterbury Welding Co., Waterbury, Conn.
Weeks-Howe-Emerson Co., 90 Market, San Francisco, Cal.
Weems M. K., Quincy, Ill.
Willis Piston Co. ("Willis"), 676 W Grand blvd, Detroit, Mich.
Wilson Foundry & Machine Co., Pontiac, Mich.
Wisconsin Machinery & Mfg. Co., 51st & Burnham, Milwaukee, Wis.
Wood & Safford Machine Works, Great Falls, Mont.
Woodward Geo. W., 1455 Bush, San Francisco, Cal.
Wright Mfg. Co. ("Ritefit"), 11 2nd, Minneapolis, Minn.

11001— Pistons (Pneumatic Hammer)

Cleveland Punch & Shear Works Co., 3917 St. Clair av, N E, Cleveland, O.
See adv index at end of book
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Wilson-Martin Co. (Animal), 30th & Market, Phila., Pa.

11001a— Pitch

Certain-teed Products Co., Boatmans Bank bldg, St. Louis, Mo.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Protexol Corp., 41 Barclay, New York
See adv index at end of book

11002— Pitch (Asphalt)

Carey Philip Mfg. Co. 330 Wayne av, Lockland, Cincinnati, O.
Chatfield Mfg. Co., Carthage, Cincinnati, O.
Warren Chemical & Mfg. Co., 17 Battery pl, New York
Watson H. F. Co., Erie, Pa.
Western Elaterite Roofing Co. ("Elaterite"), Equitable bldg, Denver, Colo.

11003— Pitch (Brewers')

American Pitch Co. ("Red Star"), 139 E Water, Cincinnati, O.
Bishopric Mfg. Co. ("Bishopric"), 5 Este av, Cincinnati, Ohio
Casey John A. Co. (Jobbers), 50 Church, New York
National Rosin, Oil & Size Co., 90 West, New York
Rauh Robert, Inc., 310 Elizabeth av, Newark, N. J.
Zobel Ernest Co., 112 2d av, Brooklyn, N. Y.

11004— Pitch (Burgundy)

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Kitz Joseph, 333 Jefferson, Hoboken, N. J.
McKesson & Robbins, 91 Fulton, New York
National Rosin Oil & Size Co., 90 West, New York
Riddle Chemical Co., 35 S Dearborn, Chicago, Ill.
See adv index at end of book
Scheel Wm. H., 179 Water, New York
See adv index at end of book
West H. T. Co., 148 State, Boston, Mass.

11005— Pitch (Coal Tar)

Barrett Co., 40 Rector, New York
Betts C. G. Co., 1202 E Sprague, Spokane, Wash.
Certain-teed Products Corp., Boatman's Bank bldg, St. Louis, Mo.
Chatfield Mfg. Co., Carthage, Cincinnati, O.
City Gas Co., Norfolk, Va.
Coal Tar Product Co. ("Stag" Brand), 570 Smith, Brooklyn, N. Y.
Larendon M. W. & Co. (Jobbers, Spirits), 82 Wall, New York
Lewis F. J. Mfg. Co. (Refined), Moline, Ill.
New Haven Gas Light Co., New Haven, Conn.
Protexol Corporation, 41 Barclay, New York *See adv index at end of book*
Semet-Solvay Co., Syracuse, N. Y.
Watson H. F. Co., Erie, Pa.

11006—Pitch (Paving & Roofing)

See also Coal Tar Products

Alcatraz Co., Inc., 3200 Williamsburg av, Richmond, Va.
American Tar Products Co. ("A. T. P." Old Style), 208 S La Salle, Chicago, Ill.
Armitage Mfg. Co., Richmond, Va.
Atlantic Refining Co. (Petroleum), 3144 Passyunk av, Phila., Pa.
Barrett Co., 40 Rector, New York
CABOT SAMUEL, INC. ("Turtle Brand"), 141 Milk, Boston, Mass.
See adv index at end of book
Carey Philip Mfg. Co. (Asbestos Roofing), 330 Wayne av, Lockland, Cincinnati, O.
Casey John A. Co. (Jobbers, Roofing), 50 Church, New York
Certain-teed Products Corp., Boatman's Bank bldg, St. Louis, Mo.
Chatfield Mfg. Co., Carthage, Cincinnati, O.
Chatfield & Woods Co. (Mfrs.), 3rd & Plum, Cincinnati, O.
Coal Tar Product Co., 570 Smith, Brooklyn, N. Y.
Ehret Roofing & Mfg. Co. ("Ehro"), Park av & Cumberland, Phila., Pa.
Feld Geo. A. Co., 162 E 129th, New York
Ford Roofing Products Co., 2339 S La Salle, Chicago, Ill.
Lamson John S. & Bro., 347 Madison av, New York
Larendon M. W. & Co. (Roofing, Jobbers), 82 Wall, New York
Lewis F. J. Mfg. Co. ("Lewis" special creosoted woodblock), Moline, Ill.
Protexol Corp., 41 Barclay, New York
See adv index at end of book
Trinidad Asphalt Mfg. Co., Title Guaranty Trust bldg, St. Louis, Mo.
Walters Mfg. Co., Fulton bldg., Pittsburgh, Pa.
Watson H. F. Co., Erie, Pa.

11007— Pitch (Pine)

Barclay Naval Stores Co., 56 Delevan, Brooklyn, N. Y.
Chilean Commercial Bureau Inc. (Exp.), 165 B'way, New York
Florida Wood Products Co. (Navy Pitch), Jacksonville, Fla.
General Naval Stores Co., 90 West, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg., Cleveland, Ohio
See adv index at end of book
Larendon M. W. & Co. (Jobbers), 82 Wall, New York
Mailliard & Schmiedell (Mfrs. Agts), 262 California, San Francisco, Cal.
National Rosin, Oil & Size Co., 90 West, New York
North Carolina Naval Stores Co. (Calking & Navy Pitch), Wilmington, N. C.
Pensacola Tar & Turpentine Co., Gull Point, Fla.

11008— Pitch (Ship)

National Rosin, Oil & Size Co., 90 West, New York
Williams & Wells Co., 253 Fulton, New York. *See adv index at end of book*
Zobel Ernst Co., 112 2d av, Brooklyn, N. Y.

11009— Pitch (Stearine)

Emery Candle Co., 115 E 4th, Cincinnati, O.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Fuerst Bros. & Co. (Imp), 2 Stone, New York
Jacob Chas. W. & Allison (Imp), 18 Cedar, New York
Marden, Orth & Hastings Co., 136 Liberty, New York
Moore & Munger ("Calaria" Imp), 29 B'way, New York
Scheel Wm. H. (Jobbers), 179 Water, New York *See adv index at end of book*
SMITH & NICHOLS, INC., 121 Maiden Lane, New York
Southern Cotton Oil Co. ("Scoco"), 120 B'way, New York

Pitchers (Acid)

See Stoneware, Chemical

11010-1— Pitometers

Pitometer Co. Portable for Measuring & Recording the Flow of Water in Pipes), 50 Church, New York
Simplex Valve & Meter Co., 110 N Broad, Phila., Pa.

11012— Pivots (Floor)

Bommer Spring Hinge Co., 263 Classen av, Brooklyn, N. Y.

11013—Pivots (Steel, for Scientific Instruments)

Wennstrom's John Sons Co., Suffern, N. Y.

11014— Pivots (Window)

Detroit Works, 238 E Larned, Detroit, Mich.
Steiner & Voegtly Hardware Co., 230 Diamond, Pittsburgh, Pa.

11014a— *Placques (Wood)

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

Planer Grooving Attachments

See Grooving Attachments (Planer)

11014b— Planers

See also sub-classifications following; also Machinery, Planing
Automatic Machine Co. ("Coulter" Shaping), Bridgeport, Conn.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
FLORY S. MFG. CO. (Slate Only), Bangor, Pa.
Gray Fndry., Poultney, Vt.
Liberty Machined Tool Co. ("Liberty"), Hamilton, O.
Morley Machine Corp. ("Wilson" Belt or Motor Driven), 814 St. Paul, Rochester, N. Y.
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*
Reed-Prentice Co. ("Whitcomb"), 677 Cambridge, Worcester, Mass.
Seeger Machine Tool Co., 34 S Forsyth, Atlanta, Ga.
Simmons Machine Co., 987 B'way, Albany, N. Y.
Smith H. B. Machine Co., Smithfield, N. J.
Wright David A., Inc., 601 W Monroe, Chicago, Ill.

11015—Planers (Barrel Head)

Gerlach Peter Co., 1708 Columbus, Cleveland, O.
U. S. Bottlers' Machinery Co. ("Electric," "U. S."), 4015 N. Rockwell, Chicago, Ill.

11015a— Planers (Bevel Gear)

GLEASON WORKS, 1000 University av, Rochester, N. Y.
See adv index at end of book

11016-7—Planers (Emery)

Tanite Co. ("Newman"), Stroudsburg, Pa.

11018—Planers (Ice, Elevator)

Bodenstein J. G. & Co., Staatsburg, N. Y.

11019— Planers (Mitre)

Millers Falls Co., Dept H, Millers Falls, Mass.

11020— Planers (Road)

Western Wheeled Scraper Co., Farnsworth, Aurora, Ill.
Winchester Repeating Arms Co., 275 Winchester, New Haven, Conn.

11021— Planes

Buckeye Mfg. & Fdry. Co. ("Buckeye"), 2046 W 55th, Cleveland, O.
Cassady Fairbank Mfg. Co. (Block & Jack), 6126 La Salle, Chicago, Ill.
Chapin-Stevens Co. (Bench, Ship Moulding & Grooving), Pine Meadow, Conn.
Consolidated Tool Works, 296 B'way, New York
Gage Tool Co. (Self-Setting), Vineland, N. J.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Sandusky Tool Co. (Bench, etc), Sandusky, Ohio
Sargent & Co. (Iron & Wood Bottom Combination "U. S." Wooden Bench, Nosing or Step, Dado, Fillester, Rabbit, Match, Sash Moulding, "Kenewa" Bench), Water & Walce, New Haven, Conn.
Smith Otis A. ("Fales" Patent Bench), Rockfall, Conn.
Stanley Rule & Level Plant ("Bailey" Adjustable Iron & Wood "Bed Rock"), New Britain, Conn.
Union Mfg. Co. ("Union," Iron & Wood), 300 Church st, New Britain, Conn.

11022—Planes (Belt Makers')

Manufacturers Belt Hook Co. ("L.-X."), 1321 W Congress, Chicago, Ill.

11023— Planes (Core Box)

Gray Iron Casting Co. (For Wooden Pattern Makers), Springfield, O.
Stanley Rule & Level Plant, New Britain, Conn.

11024— Planimeters

Aloe A. S. Co., 513 Olive, St. Louis, Mo.
American Schaeffer & Budenberg Corp., Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book
BRISTOL CO. ("Bristol's" for Circular Charts), Waterbury, Conn.
See adv index at end of book
Crosby Steam Gage & Valve Co. ("Crosby"), 49 Central, Boston, Mass.
Du Vivier Ernest H. (Imp.), 30 Church, New York
Elliott B. K. Co., 126 6th, Pittsburgh, Pa.
Gurley W. & L. E. (Polar), Troy, N. Y.
Keuffel & Esser Co., Hoboken, N. J.
MANNING, MAXWELL & MOORE, INC. (Ashcroft Mfg. Co., Div.) ("Ashcroft"), 100 E 42nd, New York
See adv index at end of book
Robertson Jas. L. & Son ("The Willis"), 78 Murray, New York
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.
Trill Indicator Co. ("Trill"), Corry, Pa.
Weber Co., F., 1220 Buttonwood, Philadelphia, Pa.

11025— Plank Drawer

Pollard Jos. G. (Steel), 141 Raymond, Brooklyn, N. Y.

11026— Planks (Extension)

Bery John Mfg. Co., 5001 S Wells, Chicago, Ill.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

11026a—*Planks (Steak & Fish, Wood)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 264 5th av, New York
See adv index at end of book

11027—Planters (Bean & Pea)

Allen S. L. & Co. ("Planet Jr."), 5th & Glenwood, Phila., Pa.
Bateman Mfg. Co. ("Iron Age"), Grenloch, N. J.
Caledonia Bean Harvester Works (Bean), Caledonia, N. Y.
Campbell-Hausfeld Co., Harrison, O.
Deere & Co., Moline, Ill.
Gale Mfg. Co. (Bean & Pea), Albion, Mich.
Janesville Machine Co., Janesville, Wis.
McWhorter Mfg. Co. (Bean), Riverton, N. J.
Moline Plow Co. ("Boston" & "Flying Dutchman," "Gretchen"), Moline, Ill.
Ohio Rake Co. (One Row, "Ohio 40," "Ohio 41 C. & C.," "Dayton C. & C."), Dayton, O.
Parlin & Orendorff Co. ("P. & O."), Canton, Ill.
Potato Implement Co. (Hand Bean), Traverse City, Mich.
Superior Churn & Mfg. Co., Northville, Mich.
Wiard Plow Co. (Bean), Batavia, N. Y.

11028— Planters (Beet)

Allen S. L. & Co., Inc. ("Planet Jr."), 5th & Glenwood, Phila., Pa.
Bateman Mfg. Co. ("Iron Age"), Grenloch, N. J.
Gale Mfg. Co., Albion, Mich.
Thomas Mfg. Co. ("Thomas"), Springfield, O.

11029—Planters (Broom Corn)

Gale Mfg. Co., Albion, Mich.

11030— Planters (Corn)

American Seeding Machine Co. ("Simplex" & "Superior"), Springfield, O.
Avery B. F. & Sons, Louisville, Ky.
Avery Co. (Meter Corn Cultivators), Peoria, Ill.
Ayers J. R., Petersburg, Va.
Belcher & Taylor Agr. Tool Co., Chicopee Falls, Mass.
Blount Plow Works, 1128 E Illinois, Evansville, Ind.
Brinley Hardy Co. ("Letz"), Louisville, Ky.
Campbell-Hausfeld Co. ("Campbell"), Harrison, O.
Cardwell Machine Co. ("Eureka," "Cardwell," "Smith"), 1900 E Cary, Richmond, Va.
Case J. I. Plow Works (Power Drive Runner (2 Row) Power Drive Disc (2 Row) Corn & Bean Check Power & Drill), Racine, Wis.
Chattanooga Plow Co., Carter & Main, Chattanooga, Tenn.
Cole Mfg. Co. (Comb Seed Dropper, etc), Charlotte, N. C.
Collins Plow Co., Quincy, Ill.
Cooper A. A. Wagon & Buggy Co., Dubuque, Ia.
Deere & Co., Moline, Ill.
Donaldson Bros. ("King"), Mt. Clemens, Mich.
Emerson-Brantingham Co. ("E-B"), Rockford, Ill.
Eureka Mower Co. (1 & 2 Row), 1005H Hickory, Utica, N. Y.
Farquhar A. B. Co. Ltd. ("Keystone," Also with Fertilizer Attachment), York, Pa.
Gale Mfg. Co. (One & Two Horse Planter & Fertilizers; also Riding; also with Disk), Albion, Mich.
Hayes Pump & Planter Co. ("Hayes" Riding & Walking), Galva, Ill.
Hench & Dromgold ("Daisy," "York"), York, Pa.
Hughes & Smythe, Galena, O.
International Harvester Co. ("International," "C.B.&Q." "P.&O." "Hoosier"), H, Harvester bldg, Chicago, Ill.
Janesville Machine Co., Janesville, Wis.
Le Roy Plow Co., Le Roy, N. Y.
Letz Mfg. Co., Crown Point, Ind
Luthy & Co., Peoria, Ill.
Madison Plow Co., Madison, Wis
Messinger Mfg. Co., Tatamy, Pa.
Moline Plow Co. ("Champion," Single & Double & Three Row), Moline, Ill.
Mountville Mfg. Co. (Single & Double Row), Mountville, Pa.
Ohio Cultivator Co., Bellevue, O.
Ohio Rake Co. ("Sure Drop"), Dayton, O.
Oliver Chilled Plow Works ("Oliver," "Black Hawk"), South Bend, Ind.
Orndorff O. F., Council Bluffs, Ia.
Peru Plow & Wheel Co., Peru, Ill.
Peters Pump Co., Kewanee, Ill.
Potato Implement Co., Traverse City, Mich.
Racine-Sattley Co. ("Sattley No. 1," "Sattley No. 6," "New Yay"), Springfield, Ill.
Rock Island Plow Co. (Double & Single Row), Rock Island, Ill.
Sechler D. M. Implement & Carriage Co. "Black Hawk"), Moline, Ill.
South Bend Chilled Plow Co., South Bend, Ind.
Southern Plow Co., Dallas, Tex.
Sterling Mfg. Co., Sterling, Ill.
Superior Churn & Mfg. Co., Northville, Mich.
Wayne Works, Richmond, Ind.
Weaver & Co. ("Root"), New Oxford, Pa.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.
Wiard Plow Co. (Automatic), Batavia, N. Y.
Wistrant Mfg. Co. ("Blue Star"), Galva, Ill.

11031—Planters (Corn, Hand)

Donaldson Bros. ("King"), Mt. Clemens, Mich.
Eagle Machine Co., Lancaster, O.
Eureka Fence Mfg. Co., Richmond, Ind.
Eureka Mower Co., 1005H Hickory, Utica, N. Y.
Hughes & Smythe, Galena, O.
James Mfg. Co. ("Kent," "Triumph"), Ft. Atkinson, Wis.
Kohler F. E. Co. ("Eclipse" Rotary), Canton, O.
Potato Implement Co. ("Acme"), Traverse City, Mich.
Sheffield Mfg. Co. ("American," "Standard," "Old Reliable"), Burr Oak, Mich.
Wabers Mfg. Co. ("U. S."), Racine, Wis.

11032— Planters (Cotton)

Avery B. F. & Sons, Louisville, Ky.
Avery Co. (Steel, Motor Cotton Planters), Peoria, Ill.
Blount Plow Works, 1128 E Illinois, Evansville, Ind.
Brinly Hardy Co., Louisville, Ky.
Campbell-Hausfeld Co. ("Campbell"), Harrison, O.
Case J. I. Plow Works ("Lone Star," "Cell Drop" & "Pitman Drive"), Racine, Wis.
Chattanooga Plow Co., Carter & Main, Chattanooga, Tenn.
Cole Mfg. Co., Charlotte, N. C.
Deere & Co., Moline, Ill.
Emerson-Brantingham Co. ("Emerson," Combined Cotton & Corn, Single & Double Row), Rockford, Ill.
Farquhar A. B. Co. (Ltd.), York, Pa.
Gale Mfg. Co. (Daisy, One & Two Row, Riding), Albion, Mich.
Gantt Mfg. Co., Macon, Ga.
Harriman Mfg. Co., Harriman, Tenn.
International Harvester Co. ("International" "P.&O."), H, Harvester bldg., Chicago, Ill.
Moline Plow Co. ("Champion" Single & Double Row A-1 & Gearless), Moline, Ill.
Ohio Cultivator Co. ("Ohio" Sulky, etc), Bellevue, O.
Ohio Rake Co., Dayton, O.
Oliver Chilled Plow Works ("Oliver"), South Bend, Ind.
Racine-Sattley Co. ("Sattley No. 7"), Springfield, Ill.
Rock Island Plow Co. (Double & Single Row), Rock Island, Ill.
Sechler D. M. Implement & Carriage Co., Moline, Ill.
South Bend Chilled Plow Co. (Cotton & Corn), South Bend, Ind.
Southern Plow Co., Columbus, Ga.
Southern Plow Co., Dallas, Tex.
Towers & Sullivan Mfg. Co ("Dow Law"), Rome, Ga.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.

11033— Planters (Peanut)

Ayers J. R. ("Ayers," Single-Row-One-Horse), Petersburg, Va.
Campbell-Hausfeld Co. ("Campbell"), Harrison, O.
Champion Potato Machine Co., Hammond, Ind.
McWhorter Mfg. Co. ("McWhorter," Single-Row-Wheel-Hand & Two-Row-One-Horse), Riverton, N. J.
Whitehurst R. W. Mfg. Corp. ("Excelsior" Single-Row-One-Horse), Norfolk, Va.

11034— Planters (Potato)

American Seeding Machine Co. ("Evans," Single-Row; also with Fertilizer Attachment), Springfield, O.
Aspinwall Mfg. Co. ("Aspinwall," Single Row; also with Bean & Pea Planter Attachment; also with Fertilizer Attachment), Jackson, Mich.
Bateman Mfg. Co. ("Robbins," "Iron Age Single Row; also with Bean & Pea Planter Attachment; also Fertilizer Attachment), Grenlock, N. J.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Brown-Manly Plow Co. ("Malta"), Malta, Ohio
Champion Potato Machine Co. ("O. K. Champion"; also with Fertilizer Attachment), Hammond, Ind.
Emerson-Brantingham Co. ("E-B"), Rockford, Ill.
Eureka Mower Co. (One & Two Row; also with Fertilizer Attachment), 1006H Hickory, Utica, N. Y.
Fetzer & Co. ("McSherry" & "Fetzer"), Springfield, Ill.
Granger Co., A. D., 17 Park Row, New York
See adv index at end of book
Greenville Implement Co. (Hand), Greenville, Mich.
Hirsch Bros. ("Spalding" Single Row), 267 Reed, Milwaukee, Wis.
Hoover Mfg. Co., Avery, O.
McWhorter Mfg. Co. ("McWhorter" Single Row; also with Fertilizer Attachment), Riverton, N. J.
Messinger Mfg. Co. (With Fertilizer Attachment), Tatamy, Pa.
Ohio Rake Co. ("Dayton"), Dayton, O.
Peek's S. H. Sons ("Perfection"), East Aurora, N. Y.
Platt Addison J., Sterling, Ill.
Potato Implement Co. ("Segment," "Eureka," "Acme," "Peerless," "Tubular," "Swan," "Pingree" & "Dewey" Hand), Traverse City, Mich.
Sheffield Mfg. Co. ("Sheffield" Hand), Burr Oak, Mich.
Splittostoser Mfg. Co., North Branch, Minn.
Springer Bros. Mfg. Co. (Two Row, Check or Drill), Edwardsville, Ill.
Stevens Mfg. & Foundry Co. ("Stevens" Single Row), Decatur, Ill.
Towers & Sullivan Mfg. Co. ("Towers"), Rome, Ga.
Wabers Mfg. Co. ("Invincible" Hand), Racine, Wis.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.

11035—Plaster Boards, Slabs, Etc.

See also Wall Boards

A. B. Fireproofing Co., 64 W. Randolph, Chicago, Ill.
Alpine Cement & Plaster Co. Inc., Douglas bldg, Los Angeles, Cal.
American Cement Plaster Co., Military rd & City Line, Buffalo, N. Y.
Barrett Co. (Blue Plaster Boards), 17 Battery pl, New York
Bell W. H. Co., 2532 Park av, New York
Bishopric Mfg. Co. ("Bishopric" Stucco & Plaster Bases), 5 Este av, Cincinnati, Ohio
Buttonlath Mfg. Co. ("Buttonlath"), Vernon & Boyle av, Los Angeles, Cal.
Buttress Mfg. Co., 7110 S Alameda, Los Angeles, Cal.
Cal. Cedar Products Co. ("Duro"), Stockton, Cal.
Cardiff Gypsum Plaster Co. (Boards), Ft Dodge, Ia.
Certain-teed Products Corp. (Blue, Tarred, Wood Fibre Wall Board, etc), Boatman's Bank bldg, St. Louis, Mo.
Consolidated Plaster Lath & Wall Board Co., 5329 Compton av, Los Angeles, Cal.
Duffy J. P. Co. ("Duffy" Wall Board), 207 E 138th, New York
Federal Cement Tile Co. (Slabs), 608 S Dearborn, Chicago, Ill.
Ford Roofing Products Co. ("Pyramid" Blue), 2339 S La Salle, Chicago, Ill.
Fowler & Pay ("Sackett's"), Mankato Minn.
Glokner & Blue Co. ("Plasterite"), 2472 3rd av, New York
Grand Rapids Plaster Co. (Boards), Grand Rapids, Mich.
Granitite Mfg. Co., National City, Cal.
Hicks Dovetail Lath Co., Inc. ("Dovetail"), San Fernando bldg, Los Angeles, Cal.
Key-Hold Lath Co., 148 Hooper, San Francisco, Cal.

Klinch Lath Corp., 1861 E 53rd, Los Angeles, Cal.
National Mill & Lbr. Co. ("Pacific Five "Ply" Wood Core), 320 Market, San Francisco, Cal.
New Jersey Adamant Mfg. Co., Harrison, N. J.
Niagara Gypsum Co., 597 Michigan, Buffalo, N. Y.
Plastone Co. ("Plastone"), 461 E 3rd, Los Angeles, Cal.
Reinforced Concrete Roof Co. (Reinforced Concrete), Youngstown, O.
Rubens Paint & Glass Co., Inc. (Boards), Richmond, Va.
Ruberoid Co. ("Cosmos"), 95H Madison, New York
Schumacker Wall Board Co. ("S. W. B."), 5302 S San Pedro, Los Angeles, Cal.
Southern Gypsum Co., North Holston, Va.
United States Gypsum Co. ("Sackett" & "Adamant"), 205 W Monroe, Chicago, Ill.
UPSON CO., Lockport, N. Y.
See adv index at end of book
Washington Building Products Co. ("Washington"), 6851 E Marginal Way, Seattle, Wash.
Western Wallboard Co. ("Perfection"), 4527 9th av S, Seattle, Wash.
Wotherspoon Plaster Mills, 725 Vernon av, Long Island City, N. Y.

11036—Plaster Mfrs. (Asbestos)

Rutland Fire Clay Co. ("Rutland," Flexible), Rutland, Vt.
United States Gypsum Co. (Wall), 205 W Monroe, Chicago, Ill.

11037—Plaster Mfrs. (Calcined)

American Cement Plaster Co., Military rd & City Line, Buffalo, N. Y.
Alabastine Co. (Also Land Plaster), Grand Rapids, Mich.
American Cement Plaster Co., Lawrence, Kan.
American Gypsum Co., Cleveland, O.
Bangs-Gaynor Cement & Plaster Co. (Land Plaster), Fayetteville, N. Y.
Bay City Wood Plaster Co., Bay City, Mich.
Conn. Adamant Plaster Co., 10 River, New Haven, Conn.
French Sam'l H. & Co., 4th & Callowhill, Phila., Pa.
Gilmore S, Indian Falls, N. Y.
Grand Rapids Plaster Co. ("Acorn," "Hoveys Eagle," "Green A," & "H. R. M."), Grand Rapids, Mich.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Higginson Mfg. Co., Newburgh, N. Y.
Lycoming Calcining Co., Williamsport, Pa.
Miller Clifford L. & Co. (White), 280 Madison av, New York
Newark Plaster Co. ("Newark Pottery"), 65 Bridge, Newark, N. J.
Niagara Gypsum Co., 597 Michigan, Buffalo, N. Y.
Pacific Portland Cement Co. Consol., Pacific bldg, San Francisco, Cal.
Rock Plaster Mfg. Co. ("Riverside"), Erie Railroad and 150th, New York
Southern Gypsum Co., North Holston, Va.
Standard Gypsum Co., Sharon bldg, San Francisco, Cal.
United States Gypsum Co., 205 W Monroe, Chicago, Ill.
Wotherspoon Plaster Mills, 725 Vernon av, Long Island City, N. Y.

11038—Plaster Mfrs. (Dental)

Acme Cement Plaster Co. ("Apex," "Mission"), Frisco bldg, St. Louis, Mo.
American Cement Plaster Co., Military rd & City Line, Buffalo, N. Y.
French Sam'l H. & Co., 4th & Callowhill, Phila., Pa.
Great Western Gypsum Co. ("Crystalite"), 1701 Downey blvd, Los Angeles, Cal.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Pacific Portland Cement Co. Consol., Pacific bldg, San Francisco, Cal.
Odontographic Mfg. Co., 211 W 126th, New York
United States Gypsum Co., 205 W Monroe, Chicago, Ill.
Wagner Chas. A. Co., Inc., 810 Noble, Phila., Pa.

11039—Plaster Mfrs. (Fibrous & Staff)

American Cement Plaster Co., Military rd & City Line, Buffalo, N. Y.
Emmel Chas. & Rose Co., 382 Albany, Boston, Mass.
Grand Rapids Plaster Co., Grand Rapids, Mich.
Harnisch Ad A., Syracuse, N. Y.
Jennens W. H., 2315 Harrison, Kansas City, Mo.
MacGruer & Simpson, 266 Tehama, San Francisco, Cal.
Pacific Portland Cement Co. Consol., Pacific bldg, San Francisco, Cal.
United States Gypsum Co., 205 W Monroe, Chicago, Ill.

11040—Plaster Mfrs. (Wall)

See also Stucco Manufacturers

ARIZONA.

DOUGLAS—Arizona Gypsum Plaster Co.

CALIFORNIA.

LOS ANGELES—Alpine Cement & Plaster Co. Inc. (for Reinforced Steel Studding), Douglas bldg
Blue Diamond Materials Co., Inc., ("Blue Diamond"), 2200 E 16th
Great Western Gypsum Co. ("Great Western"), 1701 Downey blvd
Monolith Portland Cement Co., 215 W 7th
White Star Plaster Co. ("Arrowhead"), 606 S Hill
SAN FRANCISCO—Pacific Portland Cement Co. Cons'd ("Empire," "Reno"), Pacific bldg
Standard Gypsum Co., Sharon bldg

COLORADO.

DENVER—Colorado Portland Cement Co. ("Ideal")
United States Gypsum Co., Ideal bldg
LOVELAND—Loveland Plaster & Mfg. Co.
PORTLAND — Colorado-Portland Cement Co., Ideal Bldg. (See Denver, Colo.)

CONNECTICUT.

NEW HAVEN — Connecticut Adamant Plaster Co., 10 River

ILLINOIS.

CHICAGO—American Cement Plaster Co., 111 W Washington
Garden City Sand Co., Chamber of Comm. bldg
United States Gypsum Co. ("Alabaster," "Baker," "Big Four," "Eldorado," "Flint," "Granite," "Imperial," "Ivory," "O. K.," "Pyramid," "Rock," "Zenith," Cement; "Adamant," "Alabaster," "Baker," "Big Four," "Diamond," "Fitzgerald," "Flint," "Granite," "Imperial," "Ivory," "Rock," "Zenith," Prepared; "Alabaster," "Baker," "Flint," "Granite," "Imperial," "Ivory," "Rock," "Zenith," Wood Fibre), 205 W. Monroe

INDIANA.

INDIANAPOLIS—Keeport A. B. & Co., 620 N Senate av
NEW ALBANY—New Albany Wall Plaster Co. ("Star" & Wood Fibre)

IOWA.

CEDAR RAPIDS—King's Crown Plaster Co (Wood Fibre)
FORT DODGE—American Cement Plaster Co. (See Lawrence, Kans.)
Cardiff Gypsum Plaster Co. ("Kaloite")
Plymouth Gypsum Co. ("Plymouth," "Hardernell," "Iowa" Special, Cement & Wood Fibre)
Wasem Plaster Co. ("Monarch")

KANSAS.

BLUE RAPIDS—American Cement & Plaster Co. (See Lawrence, Kans.)
United States Gypsum Co. (See Chicago, Ill.)
MEDICINE LODGE—Best Bros. Keen's Cement

KENTUCKY.

LOUISVILLE—Atlas Wall Plaster Co.
Kentucky Wall Plaster Co.

MICHIGAN.

ALABASTER—U. S. Gypsum Co. (See Chicago)
BAY CITY—Bay City Wood Plaster Co. (Fibre)
DETROIT—U. S. Gypsum Co., 1410 E Atwater
GRAND RAPIDS—Alabastine Co. (Plasticon Hard Wall)
American Cement Plaster Co. (See Lawrence, Kans.
Grand Rapids Plaster Co.
United States Gypsum Co., 1462 Penobscot bldg (See Chicago)

MINNESOTA.

MANKATO—Fowler & Pay ("Jasper")
MINNEAPOLIS—U. S. Gypsum Co., Lumber Exchange (See Chicago)

MISSOURI.

KANSAS CITY—U. S. Gypsum Co., Lathrop bldg
ST. LOUIS—Acme Cement Plaster Co. ("Laramie Standard" & "Royal" Cement & Wood Fibre), Frisco bldg
Glencoe Lime & Cement Co.

NEVADA.

LUDWIG—Standard Gypsum Co.
MOAPA—White Star Plaster Co.

NEW MEXICO.

ACME—Acme Cement & Plaster Co. (See St. Louis, Mo.)

NEW YORK.

AKRON—American Cement Plaster Co.
American Gypsum Co. (See Rochester, N. Y.)
BUFFALO—American Cement Plaster Co. ("Crystal Rock," "Akron," "Great Western," "Agatite," "Sampson," "American," "Eagle," "Eureka," "Peerless," "Wayne," "White Rock," "Fishack," "Krisolite," "Buffalo" Wood Fibre), Military rd & City Line Buffalo Paragon Wall Plaster Co., Elliott sq
Niagara Gypsum Co. ("Niagara" Brand), 597 Michigan
United States Gypsum Co., Ellicott sq (See Chicago, Ill.)
FAYETTEVILLE—Bangs-Gaynor Cement & Plaster Co.
Sheedy Thos. W.
GARBUTT—Diamond Wall Cement Co.
Empire Gypsum Co. (Wall Plaster Sanded & Wood Fibre Plaster) (See Rochester, N. Y.)
Lycoming Calcining Co. (See Williamsport, Pa.
United States Gypsum Co. (See Chicago)
INDIAN FALLS—Gilmore S.
NEWBURGH—Higginson Mfg. Co.

NEW YORK CITY.

Boroughs of Manhattan and Bronx.

NEW YORK—King C. Volney, 517 West
Miller Clifford L. & Co., 280 Madison av
Rock Plaster Mfg. Co. ("Rock," Blue Seal Rock," Wall), Erie Railroad & 150th
United States Gypsum Co., 1170 B'way (See Chicago)

Borough of Queens.

LONG ISLAND CITY—Wotherspoon Plaster Mills, 725 Vernon av

Borough of Richmond.

NEW BRIGHTON—King J. B. & Co., 576 Rich Ter. (See New York City)

(End of New York City)

OAKFIELD—Niagara Gypsum Co. (See Buffalo, N. Y.)
United States Gypsum Co. (See Chicago)
ROCHESTER—Empire Gypsum Co. ("Empire," "Cement," "Reliance" Wood Fibre, "Excelsior" Sanded)
ROSLYN—King J. B. & Co. (See N. Y. City)
SYRACUSE—Paragon Plaster Co., 300 W Water
Syracuse Wall Plaster Co.
UTICA—American Hard Wall Plaster Co.
Empire Wall Plaster Co.
WHEATLAND — Consolidated Wheatland Plaster Co. (See Calendonia, N. Y.)
Empire Gypsum Co. (See Rochester, N. Y.)

OHIO.

CLEVELAND—Cleveland Builders' Supply Co., Leader-News bldg
Kelley Island Lime & Transport Co. ("Tiger" Hydrated Finishing Lime) Leader News bldg
United States Gypsum Co., Shoefield bldg (See Chicago)
COLUMBUS — Hamilton Parker Fuel & Supply Co., 491 Kilbourne
GYPSUM—American Cement Plaster Co.
United States Gypsum Co. (See Chicago)
PORT CLINTON—American Gypsum Co.
TOLEDO—Toledo Builders Supply Co. ("Cresceus"), 424 Spitzer bldg
Toledo Plaster & Supply Co., 515 Madison
Woodville Lime Products Co. ("Alca" Lime), 622 Madison av
YOUNGSTOWN—Sharp Bros.

OKLAHOMA.

BICKFORD—Roman Nose Gyp. Co. ("Chief")
CEMENT—Acme Cement Plaster Co. (See St. Louis, Mo.)
ELDORADO—U. S. Gypsum Co. (See Chicago)
MARLOW—Acme Cement Plaster Co. (See St. Louis, Mo.)
Acme Cement Plaster Co.
OKLAHOMA—Texas Cement Plaster Co.

OREGON

PORTLAND—Acme Cement Plaster Co. (Plant Gypsum Oregon), 335 E Main

PENNSYLVANIA.

BRADDOCK—Crown Wall Plaster Co.
LEBANON—Granitine Wall Plaster Co.
NEW BRIGHTON—New Brighton Plaster Co.
NEW CASTLE—New Castle Elastic Pulp Plaster Co. (Pulp)
NEW KENSINGTON—New Kensington Fibre Plaster Co. (Fibre)
PHILADELPHIA—Baugh & Sons Co., 20H S Delaware av
French Sam'l H. & Co., 4th & Callowhill
PITTSBURGH—Miller & Coulson (Dealer), 5743 Ellsworth av
SCRANTON—Paragon Plaster & Supply Co.
SPEERS—Charleroi Hard Wall Plaster Co.
WILLIAMSPORT—Diamond Wall Cement Co.
Lyconoming Calcining Co.

Plaster Mfrs. (Wall)—Continued

SOUTH DAKOTA.

BLACK HAWK—Dakota Plaster Co. (See Rapid City, S. D.)
RAPID CITY—Dakota Plaster Co.
United States Gypsum Co. (See Chicago)

TEXAS.

ACME—Acme Cement Plaster Co. (See St. Louis, Mo.)
American Cement Plaster Co. (See Lawrence, Kan.)
HAMLIN—Texas Cement Plaster Co.

UTAH.

NEPHI—Nephi Plaster & Mfg. Co. (See Salt Lake City, Utah)
SALT LAKE CITY—American Keene Cement Co. (See Sigurd, Utah)
Nephi Plaster & Mfg. Co.
SIGURD—Jumbo Plaster & Cement Co.

VERMONT.

RUTLAND—Rutland Fire Clay Co. ("Rutland," Flexible Asbestos)

VIRGINIA.

NORTH HOLSTON—Southern Gypsum Co., ("Cherokee," "King's Mountain," "Boone," "Carara" Cement & Wood Fibre)
PLASTERCO—U. S. Gypsum Co. (See Chicago)
RICHMOND—Moore, Warner & Co., 17th

WASHINGTON.

TACOMA—Pacific Coast Gypsum Co. (Plaster of Paris, Hard Wall, Land Plaster, etc)

WISCONSIN.

MILWAUKEE—U. S. Gyp. Co., Grove & Oregon (See Chicago)
SUPERIOR—U. S. Gypsum Co. (See Chicago)

WYOMING.

LARAMIE—Acme Cement Plaster Co. See St. Louis, Mo.)
Overland Cement Plaster Co.

11041—Plaster Mfrs. (White Trowel Finishing)

Detroit Brass & Malleable Works (Floors Only), 1177 Holden, Detroit, Mich.
U. S. Gypsum Co. ("Adamant No. IXXX," "Imperial," "Ivory," "Rock," "Universal"), 205 W Monroe, Chicago, Ill.

11042—Plaster Mfrs. (Wood Fibre)

Rutland Fire Clay Co. ("Rutland"), Rutland, Vt.
U. S. Gypsum Co. ("Alabaster," "Baker," "Big Four," "Flint," "Granite," "Imperial," "Ivory," "Rock," "Zenith"), 205 W Monroe, Chicago, Ill.

Plaster of Paris Mfrs.

See Plaster Manufacturers, Calcined

11043—Plaster Products for Paper Trade

Keystone Plaster Co., Chester, Pa.
U. S. Gypsum Co., 205 W Monroe, Chicago Ill.

11044— Plasterers' Steel Corner Beads

Berger Mfg. Co., 1038 Belden av, Canton, Ohio
Boston Metal Ceiling & Mfg. Co., 27 Haymarket sq, Boston, Mass.
Bostwick Steel Lath Co. ("The Bostwick" Hot Galvanized), Niles, O.
Braun J. G., 609 S Paulina, Chicago, Ill.
Capitol Art Metal Co. Inc., 1135 Howard, San Francisco, Cal.
Central Metal Products Co. ("C. M. P."), Canton, Ohio
Church Appliance Mfg. Co. ("La Salle"), La Salle, Ill.
Consolidated Expanded Metal Co.'s ("Steelcrete"), Braddock, Pa.
Concrete Steel Co., 42 Broadway, New York
Dexter Metal Mfg. Co. (Also Metal), 93 Arch, Camden, N. J.
Dowman-Dozier Mfg. Co., Atlanta, Ga.
GENERAL FIREPROOFING CO. (THE), 2308 Logan av, Youngstown, Ohio
See adv index at end of book
Hastings Foundry & Iron Works (Expanded Metal), Hastings, Neb.
Igoe Brothers, 61-73 Metropolitan av, Brooklyn, N. Y.
See adv index at end of book
Knapp Bros. Mfg. Co. (Bull-Nose), 2419 W 14th, Chicago, Ill.
Milwaukee Corrugating Co., Milwaukee, Wis.
North Western Expanded Metal Co. ("Nemco"), 1220 Old Colony bldg, Chicago, Ill.
Penn Metal Ceiling & Roofing ((Ltd.), 23d & Hamilton, Phila., Pa.
PENN METAL CO. ("Penco"), 65 A Franklin, Boston, Mass.
Prescott J. B. & Son ("Prescott"), Webster, Mass.
St. Paul Roofing, Cornice & Ornament Co. ("Pruden"), St. Paul, Minn.
Sykes Metal Lath & Roofing Co., Niles, O.
Truscon Steel Co., Youngstown, O.
Union Metal Corner Co. ("Hannon," "Hospital," "Union," "Hub" & "G. S.,") 18 Heath, Boston, Mass.
Wheeling Corrugating Co., Wheeling, W. Va.
Wicks M. O. Mfg. Co., Glen Cove, N. Y.
Yager Sheet Metal Co., 3509 Chestnut, Oakland, Cal.
Youngstown Pressed Steel Co. ("Youngstown"), Warren, O.
See adv index at end of book

11045— Plastering (Fibre)

American Fibre Co., Jacksonville, Fla.
Boston Excelsior Co., 562 W 29th, New York
California Waste Co., 2417 E 23rd, Los Angeles, Cal.
Fernald Co. ("Giant"), 275 Natoma, San Francisco, Cal.
Hoffman-Corr Mfg. Co., 312 Market, Phila., Pa.
Meagher's James Sons, 1623 San Bruno av, San Francisco, Cal.
San Francisco Fibre & Cordage Co. ("Hercules"), 223 San Bruno av, San Francisco, Cal.
Whiting E. B. & A. C. Co., Burlington, Vt.

11046— Plastering (Hair)

Armour Curled Hair & Felt Works, 3131 Benson, Chicago, Ill.
Bickta Chas. F., Wilmington, Del.
French Sam'l H. & Co., 4th & Callowhill, Phila., Pa.
Grover John D. & Son, Somerset & Tulip, Phila., Pa.
Hoffman-Corr Mfg. Co., 312 Market, Phila., Pa.

11047—Plasters (Medical & Surgical)

Asceptic Products Co., 237 Borden av, Long Island City, N. Y.
Johnson & Johnson, New Brunswick, N. J.
Lewis Mfg. Co. ("Curity"), Walpole, Mass.
Seabury & Johnson, 87 Maiden la, New York
Seamless Rubber Co. (Adhesive), New Haven, Conn.
U. S. Gypsum Co. ("Quality" Orthopedic), 205 W Monroe, Chicago, Ill.

11048— Plate (Aluminum)

Aluminum Company of America, 2301 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book
Amalgamated Metals Selling Co. Ltd., 120 E 16th, New York

11049— Plate (Armor)

Bethlehem Steel Co. (Forged, etc), South Bethlehem, Pa.
Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.

11050-1—Plateaux (Mirror)

Rich-Alloy Co., 13223 Euclid av, Cleveland, Ohio

11052— Platens (Typewriter)

Ames & Filstead Co., 607 S Dearborn, Chicago, Ill.
Goodrich B. F. Co., Akron, O.

11053— Platers' Sponge

Kendrick-Davis Co. ("K-D"), Lebanon, N. H.

11054—Platers' & Polishers' Supplies

See also specific article required

Apothecaries Hall Co., Waterbury, Conn.
Barker Bros., Inc., 6 Leo Pl., Brooklyn, N. Y.
See adv index at end of book

Platers' and Polishers' Supplies



Headquarters for everything from a burnishing ball to an entire plant.

Barker Bros., Inc.
6 Leo Pl., Brooklyn, N. Y.

Bennett-O'Connell Co., 3600 S Morgan, Chicago, Ill.
Bennett & Seeley Inc., 823 Railroad av, Bridgeport
Buchanan Thos. Co., The, 114 W Pearl, Cincinnati, O.
See adv index at end of book
Burns E. Reed Supply Co., 25 Jackson, Brooklyn, N. Y.
Cleveland Tool & Supply Co., 1427 W 6th, Cleveland, O.
Clinton Supply Co., 117 S. Clinton, Chicago, Ill.
Coxsackie Wheel & Mfg. Co., Coxsackie, N. Y.
Cutter & Wood Supply Co., 274 Friend, Boston, Mass.
Day S. A. Mfg. Co., 1483 Niagara, Buffalo, N. Y.
Electric Smelting & Aluminum Co., Lockport, N. Y.
Fansher Bros., Dayton, O.
Flavin W. H. & Co., 313 E 22nd, New York
General Supply Co., 1314 St. Clair av, Cleveland, O.
Gold Walter C., 235 Race, Philadelphia, Pa.
Hanson & Van Winkle Co., 269 Oliver, Newark, N. J.
Hoosier Supply Co., 148 S Delaware, Indianapolis, Ind.
Industrial Supply Co., 1647 St. Clair av, Cleveland, O.
L'Hommedieu Chas. F. & Sons, 4521 Ogden av, Chicago, Ill.
Lyman John R. Co., 95 Liberty, Springfield, Mass.
Munning A. P. & Co., Matawan, N. J.
New York Buff Co., 110 E 42nd, New York
Pacific Tool & Supply Co. (Owned by Berger & Carter Co.), Freemont & Mission, San Francisco, Cal.
Rich-Alloy Co., 13223 Euclid av, Cleveland, Ohio
Scobell Chemical Supply Co. Inc., 131H Railroad, Rochester, N. Y.
Stevens Frederic B., Inc., 3rd & Larned, Detroit, Mich.
See adv index at end of book

FREDERIC B. STEVENS

Manufacturer

Foundry Facings and Supplies

Importer of Plumbago.

Corner Larned and Third Sts.

DETROIT, MICH.

All Telephones Main 2470

Woodison E. J. Co., 1621 St. Aubin, Detroit, Mich.
Yorkville Mfg. Co., 35 B'way, Brooklyn, N. Y.

11054a—Plates (Aluminum Pattern)

Economy Pattern Wks. & Mfg. Co., 2264 E 15th, Los Angeles, Cal.
Hines Pattern & Mfg. Co., 10108 Detroit av, Cleveland, O.
Nicholls Wm. H. Co. Inc., 2 College pl, Brooklyn, N. Y.
Springfield Aluminum Plate & Castings Co., Springfield, Ohio

11055—Plates (Amalgamating)

San Francisco Plating Works ("Silver" Plated Copper), 1349 Mission, San Francisco, Cal.

11056—Plates (Angle, Adjustable)

Boston Scale & Machine Co. (Universal), 190 Ruggles, Boston, Mass.
Frederick Machine Works, Norwalk, O.
Milliken Machine Wks., West Newton, Mass.

11057— Plates (Baffle)

Bossert Corp., The, cor Linden & West av, Utica, N. Y.
Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Engineer Co. ("Turner"), 17 Battery pl., New York
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
Youngstown Pressed Steel Co., Warren, O.
See adv index at end of book

11058— Plates (Base)

Illinois Steel Co., 208 S La Salle, Chicago, Ill.
Withers Foundry & Machine Works, Atlanta, Ga.
Wood's T. B. Sons Co., Chambersburg, Pa.

11059—Plates (Baseball Shoe)

Parker Wire Goods Co., Worcester, Mass.
Spalding A. G. & Bros., 126 Nassau, New York

11060— Plates (Battery)

Bear State Battery & Eq. Co., 1244 San Fernando rd, Los Angeles, Cal.
Braun-Knecht-Heimann Co. (Cooper), 576-584 Mission, San Francisco, Cal.
Hobbs Battery Co., 2019 Bay, Los Angeles, Cal.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Mathews Bros., 1663 W Washington, Los Angeles, Cal.
National Carbon Co. (Carbon), Thompson av & Orton, Long Island City, N. Y.
United Lead Co. (Lead), 111 B'way, New York

11061— Plates (Boiler Arch)

Bethlehem Steel Co., Bethlehem, Pa.
Downey T. F. Boiler Wks., 2600 W Grand av, Chicago, Ill.
Janney & Co., Montgomery, Ala.
Lamprey Co., Westfield, Mass.
Marsh-Burnett Co., 1310 E 16th, Los Angeles, Cal.
RYERSON JOS. T. & SON, INC., 2558 W 16th, Chicago, Ill.
See adv index at end of book

11062—Plates (Bolster & Transom)

Cheney S. & Co. (Bolster Only), Manlius, N. Y.
Harvey Spring & Forging Co., Racine, Wis.

11063— Plates (Bosh)

Dixie Brass & Foundry Co., Birmingham, Ala.
Keystone Bronze Co., 39th & A. V. R. R., Pittsburgh, Pa.
Lawrenceville Bronze Co., Bessemer bldg, Pittsburgh, Pa.
New Process Copper Casting Co., 5323H Butler, Pittsburgh, Pa.
Smeeth-Harwood Co., 2401 W 22d, Chicago, Ill.

11064—Plates (Box Printing)

Houchin, Aiken Co., 37 53d, Brooklyn, N. Y.
Matthews Jas. H. & Co. (Brass & Rubber), 3942 Forbes, Pittsburgh, Pa.
See adv index at end of book
Schmutz Mfg. Co., Inc., 17th & Walnut, Louisville, Ky.

11064a—Plates (Brass & Bronze Door)

Conklin T. E. Brass & Copper Co., 54-60 Lafayette, New York
See adv index at end of book

11065— Plates (Brazing)

Phillips-Laffitte Co. ("Laffitte"), Penna. bldg, Phila., Pa.

11066— Plates (Buckle)

Am. Bridge Co., 71 B'way, New York
Glasgow Iron Co., Pottstown, Pa.
Kansas City Bolt & Nut Co., Kansas City, Mo.

11067-8— Plates (Bumper)

Ireland & Matthews Mfg. Co. (For Plumbers' Wood Work), Beard & Chatfield, Detroit, Mich.
Kansas City Bolt & Nut Co. (Wrought Iron), Kansas City, Mo.
Republic Structural Iron Works Co., 1350 E 53d, Cleveland, Ohio

Plates (Card & Label)

See Holders, Card & Label

11069—Plates (Cast Iron Stack)

KUTZTOWN FOUNDRY & MACHINE CO., 1421 Chestnut, Phila., Pa.
See adv index at end of book
Littleford Bros., 444 E Pearl, Cincinnati, Ohio *See adv index at end of book*
Standard Tank Co., 15 Park Row, New York
Traylor Engineering & Mfg. Co., Allentown, Pa.

11070— Plates (Center)

Columbia Machine Works & Malleable Iron Co. (Rust Proof & Oil Lubricated), Atlantic av & Chestnut, Brooklyn, N. Y.
Gould Coupler Co., 30 E 42d, New York
Hamilton Wm. Sons Car Co., Newark, O.
Hegeman-Castle Corp. ("Hartman" Centering Bearings), Fisher bldg, Chicago, Ill.
Holden & White ("Hartman" Centering Bearings), 343 S Dearborn, Chicago, Ill.
Kansas City Bolt & Nut Co. (Forged), Kansas City, Mo.
National Car Coupler Co., 332 S Michigan av, Chicago, Ill.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Republic Railway Equipment Co., Inc. ("Hartman" Ball Bearing), 4052 Princeton av, Chicago, Ill.
Standard Car Truck Co. ("Barber" Roller Bearing), 332 S Michigan av, Chicago, Ill.
Standard Forgings Co., 80 E Jackson, Chicago, Ill.
Steel Car Forge Co. (Drop Forged), Frick bldg, Pittsburgh, Pa.
Symington T. H. Co., 233H B'way, New York
Transue & William Steel Forging Corp., Alliance, O.
Western Steel Car & Foundry Co., Farmers Bk. bldg, Pittsburgh, Pa.

11071— Plates (Cesspool)

Casey-Hedges Co., Chattanooga, Tenn.
Cheney S. & Son, Manlius, N. Y.
Fee & Mason, 81 Beekman, New York
Glenn Fred. E., St. Charles, Ill.
Jones Hollow Ware Co., 1012 Ashland av, Baltimore, Md.
Sanitary Co., Dept. H, Linfield, Pa.

11072—Plates (Chandelier Shower)

Friedley-Voshardt Co. (Brass & Copper), 733 S Halsted, Chicago, Ill.

11073— Plates (Check)

Am. Bridge Co., 71 B'way, New York
Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
Turl Engng. Co., 39 Cortlandt, New York

11074—Plates (Chrome Steel)

Chrome Steel Works (Also Welded), Chrome, N. J.

11074a—*Plates (Church Offertory & Collection)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa.
See adv index at end of book

11075— Plates (Chute)

American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept. H, 14th & State, Chicago Heights, Ill.
Wood Alan Iron & Steel Co., Widener bldg, Philadelphia, Pa.
See adv index at end of book

11076—Plates (Condenser & Supporting)

AMERICAN BRASS CO. (Tobin Bronze), Waterbury, Conn.
For branch offices see adv index at end of book
Everitt Co., 267 Franklin, Boston, Mass.
See adv index at end of book
Taunton-New Bedford Copper Co. (YeHow Metal), Taunton, Mass.

11077— Plates (Copper)

AMERICAN BRASS CO., Waterbury, Conn.
For branch offices see adv index at end of book
BALTIMORE TUBE CO., Wicomico & Ostend, Baltimore, Md.
See adv index at end of book
BENSON ROLLING MILLS, INC. (for photo and card plate engraving), Glen Ridge, N. J.
Childs S. D. & Co., 136 S Clark, Chicago, Ill.
Dallas Brass & Copper Co., 820 Orleans, Chicago, Ill.
National Brass & Copper Co., Lisbon, O.
Taunton-New Bedford Copper Co., Taunton, Mass.

11078— Plates (Core)

Advance Engineering Co., Metta av, Cleveland, O.
Wadsworth Core Machine & Equipment Co., 10 W Buchtel, Akron, O.

11079— Plates (Crusher)

American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept. H, 14th & State, Chicago Heights, Ill.
Bethlehem Steel Co. (Cement Grinding Mill), Bethlehem, Pa.
Central Fdry Co., Joplin, Mo.
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Philadelphia Roll & Machine Co. (Chilled), 52nd & Grays av, Phila., Pa.
Traylor Engng. & Mfg. Co., Allentown, Pa.

11080— Plates (Damper)

Parker Supply Co., 785 E 135th, New York

11081— Plates (Deck)

Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
National Marine Lamp Co., Forestville, Conn.
Sands A. B. & Son Co., 32 Vesey, New York
Seattle Brass Co., 4001 7th av S., Seattle, Wash.
Wilcox Crittenden & Co. Inc., 444 S Main, Middletown, Conn.
See adv index at end of book
Wood Alan Iron & Steel Co., Widener bldg, Philadelphia, Pa.
See adv index at end of book

11082—Plates (Diamond Draw)

American Electrical Works, Philipsdale, R. I.
Balloffet-Baszanger Die Co. (Steel Set), 108 Fulton, New York

11083—Plates (Die, Adjustable)

Armstrong Mfg. Co. ("Armstrong"), 305 Knowlton, Bridgeport, Conn.
Borden Co., 508 Dane av, Warren, O.
Hart Mfg. Co. ("Duplex"), Cleveland, O.
Western Wheeled Scraper Co., Farnsworth, Aurora, Ill.

11084— Plates (Dry)

American Dry Plate Co., 75 Mill, Worcester, Mass.
Central Dry Plate Co. (X-Ray), Orchard & McLaren, St. Louis, Mo.
Cramer G. Dry Plate Co. (Photographic), Dept. H, Shenandoah & Lemp avs St. Louis, Mo.
Defender Photo Supply Co. ("Defender Orthochromatic"), Rochester, N. Y.
Eastman Kodak Co. ("Seeds," "Velox"), Rochester, N. Y.
Hammer Dry Plate Co., Ohio av & Miami, St. Louis, Mo.
Phenix Plate Co., 287 Park av, Worcester, Mass.
Shepard Mfg. Co., 10 Rockdale, Worcester, Mass.
Straight Dry Plate Co., Jamestown, N. Y.

11085— Plates (End Gate)

Griffin Mfg. Co., Erie, Pa.

11086—Plates (Engravers' Metal)

(Names with * also manufacture Monel Metal)

AMERICAN BRASS CO., Waterbury, Conn.
For branch offices see adv index at end of book
American Steel & Copper Plate Co. (Steel, Copper, Brass & Zinc), 101 Fairmont av, Jersey City, N. J.
*Beckley Perforating Co., Garwood, N. J.
Benson Rolling Mills, Inc., Glen Ridge, N. J.
*Cleveland Wire Cloth Co., Cleveland, O.
Edes Mfg Co., Plymouth, Mass.
*Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp., C. O., Southport, Conn.
*Magosy & Buscher, 232 Canal, New York
*Munning & Co. A. P., Matawan, N. J.
North American Copper Co., 52 Vanderbilt av, New York
N. Y. Steel & Copper Plate Co., 61 Chymer, Brooklyn, N. Y.
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co. John P., New Haven, Conn.
Snyder William H. Co., 67 Springfield, New York
*Star Plate Corp., 16 Steuben, Brooklyn, N. Y.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co. W. S., Cleveland, O.

11087— Plates (Expansion)

Beaton & Cadwell Mfg. Co. ("Perfection"), New Britain, Conn.
Grabler Mfg. Co. (Steel), Cleveland, O.
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
Hoffman B. Mfg. Co. (Hook & Expansion Plates), 257 6th, Milwaukee, Wis.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Newbury Jas. H., Goshen, N. Y.
Walworth Mfg. Co., Boston, Mass.

11088— Plates (Felloe)

American Mfg. Co., Chestnut & Water, Chattanooga, Tenn.
American Shovel & Stamping Co., Lorain, Ohio
Clark W. J. Co., Salem, O.
Columbus Bolt Works Co., Columbus, O.
Hager C. & Sons Hinge Mfg. Co. (Wrought Steel), St. Louis, Mo.
Johnson & Walters Mfg. Co., 101 Baltimore av, Detroit, Mich.
McKinley Mfg. Co. (Wrought Steel), Liverpool & Metropolitan, Pittsburgh, Pa.
Sessions J. H. Son, Bristol, Conn.
Union Spring & Mfg. Co., New Kensington, Pa.
Woodruff W. W. & Sons Co., Mt. Carmel, Conn.
Wrought Washer Mfg. Co., Milwaukee, Wis.
YOUNGSTOWN PRESSED STEEL CO. Warren, O. *See adv index at end of book*
Zeigler Mfg. Co., Alexandria, Ind.

Alan Wood Iron and Steel Co.

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BOSTON
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PIG IRON—BILLETS, BLOOMS AND SLABS
SHEARED PLATES
ROLLED STEEL FLOOR PLATES
BLUE ANNEALED STEEL SHEETS

11089— Plates (Filter Press)

Allbright-Nell Co., 5315 Western av, Chicago, Ill.
American Mfg. Co., Chestnut & Water, Chattanooga, Tenn.
Bethlehem Shipbuilding Corp. Ltd., Dept. H, Broadhead & Parker av, Bethlehem, Pa.
General Filtration Co. Inc. (Acid Proof), Dept. H, Rochester, N. Y.
Jackson & Church Co., Saginaw, Mich.
Johnson John Co., 37th & 2nd av, Brooklyn, N. Y.
Moore Sam'l L. & Sons, Elizabeth, N. J.
Mundt Chas. & Sons, 53 Fairmount av, Jersey City, N. J.
Provost Engng. Corp. ("Provo"), 50 Church, New York
Pusey & Jones (Cast Iron), H, Poplar, Wilmington, Del.
Shriver T. & Co., Harrison, N. J.
Superior Fdry. Co., Dept. H, E 71st & W. & L. E. Ry, Cleveland, O.

11090—Plates (Flat & Curved)

Disston Hy & Sons (For Scoring, Cutting & Creasing Presses), Tacony, Phila., Pa.
Union Spring & Mfg. Co., New Kensington, Pa.
Wood Alan Iron & Steel Co., Widener bldg, Philadelphia, Pa.
See adv index at end of book

11091—Plates (Floor, Iron & Steel)

American Abrasive Metals Co. ("Feralun"), 50 Church, New York
American Pressed Steel Co., Commercial Trust bldg, Phila., Pa.
Booth J. B. Co., 216 E Robinson, Pittsburgh, Pa.
Bourne Fuller Co., Hanna bldg., Cleveland, Ohio
Carnegie Steel Co. (Steel), Carnegie bldg, Pittsburgh, Pa.
Casey-Hedges Co. ("Chattanooga"), 25th & Chestnut, Chattanooga, Tenn.
Castle A. M. & Co. (Diamond or Ribbed Rolled Steel), 1132 Blackhawk, Chicago, Ill.
Creamery Package Mfg. Co., 61 W Kinzie, Chicago, Ill.
Decker O. S. & Co. (Diamond Ribbed & Checkered), H, House bldg., Pittsburgh, Pa.
Froment & Co., 150 Bank, New York
Hotchkiss Steel Products Co., Inc., Binghamton, N. Y.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Keystone Steel Co. ("Kesco" Open Hearth Wrought Steel, Diamond, Ribbed & Checkered Pattern, H, Commercial Trust bldg, Phila., Pa.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Littleford Bros., 444 E Pearl, Cincinnati, Ohio
See adv index at end of book
Lukens Steel Co., Coatesville, Pa.
Moorhead Bros. & Co., Sharpsburg, Pa.
Ogden & Wallace (Never Slip Wrought Steel), 577 Greenwich, New York
Republic Structural Iron Works Co (Pressed Steel), 1350 E 53d, Cleveland, O.
RYERSON JOS. T. & SON, INC., 2558 W 16th, Chicago, Ill.
See adv index at end of book
Selikowitz S. D. (Mill Agent), 90 West, New York
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
Smith David H. & Sons, Foot of 51st, Brooklyn, N. Y.
See adv index at end of book

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Townsend Foundry & Machine Shop Co. (Cast Iron Only), Broadway & Rensselaer, Albany, N. Y.
See adv index at end of book
Waterbury Foundry Co., Waterbury, Conn.
WOOD ALAN IRON & STEEL CO. ("A. W." Diamond & Ribbed Pattern Rolled Steel), Widener bldg, Phila., Pa.

Plates (Floor, Wrought Steel)

See Plates, Floor, Iron & Steel

11092—Plates (Floor & Ceiling)

Beaton & Cadwell Mfg. Co. ("Perfection"), New Britain, Conn.
Beaton & Corbin Mfg. Co. ("Wells," "B. & C."), Southington, Conn.
Boekel Wm. & Co., 518 Vine, Phila., Pa.
Clarke Robt., 93 Schermerhorn, Brooklyn, N. Y.
Crane Co., 836 S Michigan av, Chicago, Ill. *See adv index at end of book*
Creamery Package Mfg. Co. ("Daniels" Floor), 61 Kinzie, Chicago, Ill.
Crescent Brass & Pin Co., 1150 Trumbull, Detroit, Mich.
Crescent Mfg. Co., Bristol, Conn.
Cryer T. B. Co. ("O. K"), 249 High, Newark, N. J.
Davies & Thomas Co. (Cast Iron, Diamond & Checkered), Catasauqua, Pa.
Detroit Brass & Malleable Works, 1177H Holden, Detroit, Mich.
Devlin Thos. Mfg. Co., 3d & Lehigh av, Phila, Pa.
Eriez Stove & Mfg. Co., Erie, Pa.
Exeter Brass Works, Exeter, N. H.
Fee & Mason, 81 Beekman, New York
Fords & Kendig Co. (Dirs.), 1428H Callowhill, Phila., Pa.
Fort Pitt Malleable Iron Co., Thompson & Crawford, Pittsburgh, Pa.
Glenn Mfg. Co., St. Charles, Ill.
Grabler Mfg. Co. (Cold Rolled Steel, Brass, Cast Iron, etc), Cleveland, O.
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
Hays Mfg. Co., Erie, Pa.
See adv index at end of book
Illinois Malleable Iron Co., 1301 Diversey blvd, Chicago, Ill.
See adv index at end of book
Ireland & Matthews Mfg. Co. (Spun Brass), Beard & Chatfield, Detroit, Mich.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Littleford Bros. (Iron & Steel), 444 E Pearl, Cincinnati, O.
See adv index at end of book
McNab & Harlin Mfg. Co., Paterson, N. J.
Magee Steam Specialty Corp. ("Jumbo"), 50 Vesey, New York
Modern Iron Works, Quincy, Ill.
Nason Mfg. Co., 71 Fulton, New York
See adv index at end of book
Nelson N. O. Mfg. Co. ("Vosberg" Thimble), 10th & Chestnut, St. Louis, Mo.
Newbury Jay H., Goshen N. Y.
Newbury Mfg. Co., Monroe, N. Y.
Norman C. Irwin & Co. ("Cenco"), 18 W Kinzie, Chicago, Ill.
Parker Wire Goods Co. ("H. & B." Perfection), Worcester, Mass.
Perkes Chas. (Est. of), 627 Arch, Phila., Pa.
Ravena Iron Co., Ravena, N. Y.
Russell W. A. & Co. ("Imperial," "Ajax"), Grand Central Terminal, New York
Rutzler Enoch Co., 404 E 49th, New York
Schweitzer C. & R., 849 Center, Chicago, Ill.
Simmons John Co. ("Simmons"), 110 Centre, New York
See adv index at end of book
Stearns E. C. & Co. (Ceiling), 450 Oneida, Syracuse, N. Y.
Walworth Mfg Co., Boston, Mass.
Wolverine Brass Works, Grand Rapids, Mich.

11092a—Plates (Flush Switch)

American Pin Co., Waterbury, Conn.
Arrow Electric Co., Hartford, Conn.
Brascolite Co. (Porcelain-Enameled), Jefferson & Washington av, St. Louis, Mo.
BRYANT ELECTRIC CO., 1421 State, Bridgeport, Conn.
Chattanooga Stamping & Enameling Co. (Porcelain & Enameled), N. C. Chattanooga, Tenn.
Connecticut Elec. Mfg. Co. (Brass), Conn. av, Bridgeport, Conn.
Connecticut Telephone & Elec. Co., 70 Britannia, Meriden, Conn.
Gillinder & Sons, Inc. (Glass), State & Deverlaux, Phila., Pa.
Hart & Hegeman Mfg. Co., Capitol av, Hartford, Conn.
Hubbell Harvey (Aligning), Bridgeport, Conn.
Keil Francis & Son (Steel), 401 E 162d, New York
Lovell F. H. Co., Arlington, N. J.
Metropolitan Elec. Mfg. Co., 14th, Long Island City, N. Y.
Pioneer Corp., 1249 W 65th, Chicago, Ill.
Union Electric Co., Trenton, N. J.
United States Glass Co., S 9th & Bingham, Pittsburgh, Pa.

11093— Plates (Follower)

Allegheny Forging Co., Keenan bldg, Pittsburgh, Pa.
Etna Forge & Bolt Co., House bldg, Pittsburgh, Pa.
Kansas City Bolt & Nut Co. (For Car Builders), Kansas City, Mo.
Pittsburgh Forge & Iron Co., Chamber of Commerce bldg, Pittsburgh, Pa.
Steel Car Forge Co., Frick bldg, Pittsburgh, Pa.
Union Spring & Mfg. Co., New Kensington, Pa.

11093a— Plates (Ground)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

11094— Plates (Gusset)

Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Commercial Shearing & Stamping Co., Youngstown, Ohio
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book

Republic Structural Iron Works Co., 1350 E 53d, Cleveland, O.
Wrought Washer Mfg. Co., Milwaukee, Wis.

11095—Plates (Gutter Crossing)

Canton Foundry & Machine Co., Canton, O.
See adv index at end of book
Crescent Tool Mfg. Co., 1002 Cass av, St. Louis, Mo.
South Bend Foundry Co. (Cast Iron Corrugated), South Bend, Ind.

11096— Plates (Hame Tug)

Frazer & Jones Co. ("Advance"), Syracuse, N. Y.
North & Judd Mfg. Co. ("Perfection"), New Britain, Conn.

11097— Plates (Heel)

Aluminum Castings Co. ("Alcasco"), 1700 N Spring, Los Angeles, Cal.
Cushion Pedal Co., 287 San Fernando rd, Los Angeles, Cal.
Fate-Root-Heath Co. ("Universal," "Lion," "R-H"), Plymouth, Ohio
See adv index at end of book
Laing, Harrar & Chamberlin ("Giles"), 43 N 3rd, Phila., Pa.
National Shoe Plate Mfg. Co., Cleveland, Ohio
Plymouth Stamped Metal Co., Galion, O.
Republic Auto Parts Co. (For Ford Cars), 31 10th, Long Island City, N. Y.
Riley-Klotz Mfg. Co., 17 Mulberry, Newark, N. J.
Sacks Louis, Inc. ("Star," "Boston"), Wilson av, Newark, N. J.
Stimpson Edwin B. Co., 352 Kent av, Brooklyn N. Y.
See adv index at end of book
United Shoe Machinery Co., 205 Lincoln, Boston, Mass.

11098— Plates (Hinge)

Auer John Jr. (Wrought), 197 Middleton, Brooklyn, N. Y.
Bethlehem Steel Co., Bethlehem, Pa.
Corbin P. & F., New Britain, Conn.
Penn Hardware Co., Reading, Pa.

11099—Plates (Hot-Electric, Gas, etc.)

Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Central Scientific Co., 460 E Ohio, Chicago, Ill.
Daigger A. & Co., 54 W Kinzie, Chicago, Ill.
Electric Heating Apparatus Co., 121 Sussex av, Newark, N. J.
Elgin Stove & Oven Co. ("Elgin" Gas), Elgin, Ill.
Estate Stove Co. ("Estate" Electric), Hamilton, O.
Hoskins Mfg. Co., 453 Lawton, Detroit, Mich.
Liberty Gauge & Instrument Co. ("Liberty" Electric), 6545 Carnegie, Cleveland, O.
Odin Stove Mfg. Co. ("Odin"), Erie, Pa.
Rogers Electric Laboratories Co., 2015 E 65th, Cleveland, O.
Russell Electric Co. ("Hold-Heet" Electric), 340 W Huron, Chicago, Ill.
Scientific Utilities Co., Inc., 18 E 16th, New York
Union Mfg. Co. Inc. (Gas Only), Boyertown, Pa.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book
Wonder Electric Mfg. Co. ("Wonder"), 487 N 29th, Portland, Ore.

11100— Plates (Index)

Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
Brown & Sharpe Mfg. Co., Providence, R.I.
Rich Steel Products Co. ("R. S. P." Vacuum Head), 3055 Santa Fe av, Los Angeles, Cal.

11100a—Plates (Iron & Steel)

See also Iron & Steel Boiler & Tank Plate; also Rolling Mills, Iron & Steel; also Steel Fire Box Plate
American Sheet & Tin Plate Co., Frick bldg, Pittsburgh, Pa.
Bethlehem Steele Co., Bethlehem, Pa.
Cambria Steel Co., Widener bldg, Phila., Pa.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Commercial Shearing & Stamping Co., Youngstown, Ohio
Eddystone Steel Co., Crum Lynne, Pa.
Glasgow Iron Co., Pottstown, Pa.
Illinois Steeel Co., 208 S La Salle, Chicago, Ill.
Inland Steel Co., 38 S Dearborn, Chicago, Ill.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Lukens Steel Co., Coatesville, Pa.
Marks & Fiske (All Sizes & Gauges), 1316 Dime Hand bldg., Detroit, Mich.

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Moltrup Steel Products Co. (Engraving), 127H N Period, Beaver Falls, Pa.
Naylor & Co. (Dirs.), 120 Broadway, New York
Pidgeon-Thomas Iron Co., Memphis, Tenn.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Simonds Mfg. Co., Lockport, N. Y.
SMITH DAVID H. & SONS, Foot of 51st, Brooklyn, N. Y.
See adv index at end of book
Stolz Jos. & Son Inc., Commerce av & 170th, New York
Treadwell M. H. Co., 140 Cedar, New York
Union Spring & Mfg. Co., New Kensington, Pa.
Warren Iron & Steel Co. (Alloy Steel), Box 396, Warren, O.
Wheeling Steel Corp. (For Stamping & Drawing), Wheeling, W. Va.
WOOD ALAN IRON & STEEL CO., Widener bldg., Phila., Pa.
Worth Steel Co., Claymont, Del.
Youngstown Sheet & Tube Co., Youngstown, Ohio

11101— Plates (Joint)

Colorado Fuel & Iron Co., Denver, Col.

11102—Plates (Kick & Push)

Allith-Prouty Co. ("Prouty" Push), Danville. Ill.
Aluminum Casting Co. ("Alcasco"), 1700 N Spring, Los Angeles, Cal.
American Safety Lamp & Mine Supply Co., 1327 Capouse av, Scranton, Pa.
Axford & De Shields, Chestnut & University, San Jose, Cal.
Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
Champion Hardware Co., Geneva, O.
Cincinnati Mfg. Co., Cincinnati, O.
Colonial Fireplace Co. (Brass & Iron), 4631 W 12th, Chicago, Ill.
Columbus Brass Co., 620 Dublin av, Columbus, Ohio
See adv index at end of book
Conklin T. E. Brass & Copper Co. (Brass & Bronze, Door), 54-60 Lafayette, New York
Corbin P. & F., New Britain, Conn.
Dahlstrom Metallic Door Co., 413 Buffalo, Jamestown, N. Y.
See adv index at end of book
Enterprise Hardware Mfg. Co., Frederick, Md.
Golden Gate Brass Mfg. Co., 1239 Sutter, San Francisco, Cal.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Griffin Mfg. Co., Erie, Pa.
Hungerford U. T. Brass & Copper Co., 80 Lafayette, New York.
Illinois Bronze & Stamping Co., 917 Keeler av, Chicago, Ill.
Imperial Brass Mfg. Co., 1200 W Harrison, Chicago, Ill.
Janusch Mfg. Co. (Brass & Bronze), 290 E 135th, New York
Kawneer Co., 1226 Front, Niles, Mich.
Kingman Mfg. Co., 2201 S Main, Los Angeles, Cal.
Meyers Fred. J. Mfg. Co., Hamilton, O.
Newman Mfg. Co., 420 Elm, Cincinnati, O.
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Oxford & De Shields, Chestnut & University, San Jose, Cal.
Painesville Metallic Binding Co. (Brass & Galv. Iron), Painesville, O.
Payson Mfg. Co. (Kick), 2918 W Jackson blvd, Chicago, Ill.
Penn Hardware Co., Reading, Pa.
Pittsburgh Brass Mfg. Co. (Brass), Penn & 32nd, Pittsburgh, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sager Lock Co. (Door), North Chicago, Ill.
Sargent & Co., New Haven, Conn.
Shelby Metal Products Co., Shelby, Ohio
Shelby Spring Hinge Co. (Steel, Solid Bronze & Brass), Shelby, O.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Stover Mfg. & Engine Co., Freeport, Ill.
Taylor & Boggis Foundry Co. (Push), Cleveland, O.
Turner Brass Works, Sycamore, Ill.
Twentieth Century Brass Works, 514 5th av S, Minneapolis, Minn.
Western Brass Mfg. Works (Brass or Bronze), Marshall blvd & W 21st, Chicago, Ill.
Western Cartridge Co., East Alton, Ill.
Wis. Iron & Wire Wks. (Brass & Bronze), 1660 Booth, Milwaukee, Wis.
Youngstown Pressed Steel Co., Warren, O.
See adv index at end of book

11103—Plates (Leather Embossing)

Fleissner Chas., 801 Market, Newark, N. J.
Schmutz Mfg. Co., Inc., 17th & Walnut, Louisville, Ky.
Spence Embossing Co., Inc. (Electro Embossing & Graining), 25 Margaretta, Newark, N. J.

11104— Plates (Letter Drop)

Ajax Hardware Mfg. Co. ("Ajax"), 854 Ellicott, Buffalo, N. Y.
Corbin P. & F., New Britain, Conn.
Eagle Lock Co., Terryville, Conn.
Nicol & Co., 218 N Jefferson, Chicago, Ill.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Reading Saddle & Mfg. Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.

11105— Plates (License)

Dorman J. T. W. Co. (Dog & Wagon), 526 N Calvert, Baltimore, Md.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Irwin-Hodson Co., 115 N 15th, Portland, Ore.
Kittle Mfg. Co., 643 Santa Fe av, Los Angeles, Cal.
Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, P. *See adv index at end of book*
Meyers Elwood Co. (Automobile), Springfield, O.
Niagara Falls Metal Stamping Works Niagara Falls, N. Y.
R. & S. Engraving & Dye Works, 617-631 W Jackson blvd, Chicago, Ill.
See adv index at end of book
Reed & Skeppstrom, 625 W Jackson blvd, Chicago, Ill.
See adv index at end of book
Schmutz Mfg. Co., Inc., 17th & Walnut, Louisville, Ky.
Swisher R. D. Mfg. Co., 415H S Clinton, Chicago, Ill.

11106—Plates (Lock Deck)

Durkee Chas. D. & Co., 2 South, New York
Whitall Tatum Co., 48 Barclay, New York
Wilcox, Crittenden & Co., Inc. ("Hurlburt," "Hanson" Patterns), 444 S Main, Middletown, Conn.
See adv index at end of book

11107-8—Plates (Lock Nut)

Simmons John Co., 110 Centre, New York
See adv index at end of book

11109—Plates (Manganese Steel)

Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.

11110— Plates (Match)

Andes E. B. & Co. (Aluminum), Lancaster, Pa.
Ashland Brass Foundry, Ashland, Ohio
British Aluminum Co. Ltd. (Aluminum), 165 B'way, New York
CLEVELAND CASTINGS PATTERN CO. (Aluminum), 1930 E 61st, Cleveland, O.
Economy Pattern Wks. & Mfg. Co., 2264 E 15th, Los Angeles, Cal.
Goodale Co., Kalamazoo, Mich.
Haldeman & Son, Wrightsville, Pa.
Hines Pattern & Mfg. Co. (Cast Aluminum), 10108 Detroit, Cleveland, O.
Jurack Chas., 201 Oregon, Milwaukee, Wis.
Middleditch Benjamin, Detroit, Mich.
Moltrup Steel Products Co., 127H N Peroid, Beaver Falls, Pa.
Moser Pattern & Foundry Co. (Aluminum), Newark, O.
National Alumnium Co., Racine, Wis.
Nicholls Wm. H. Co. Inc., 2 College pl, Brooklyn, N. Y.
Owren Casting Co., Attleboro, Mass.
Springfield Aluminum Plate & Castings Co., Springfield, Ohio

THE SPRINGFIELD ALUMINUM PLATE & CASTINGS CO.

Makers of

Guaranteed Match Plates

and

Aluminum Castings

SPRINGFIELD, OHIO

Turner Machine Co. (Aluminum), 3632 N Lawrence, Phila., Pa.
U. S. Match Plate Co., Holyoke, Mass.

11111— Plates (Mending)

Auer John Jr., (Wrought), 197 Middleton, Brooklyn, N. Y.
Aurora Door Hanger & Spec. Co., Aurora, Ill.
Brewer Bros. Co. (Wrought), 2742 N 3rd av, Phila., Pa.
Griffin Mfg. Co., Erie, Pa.
Hager C. & Sons Hinge Mfg. Co. (Wrought Steel), St. Louis, Mo.
National Mfg. Co. (Wrought Steel), Sterling, Ill.
Richards-Wilcox Mfg. Co., Aurora, Ill.
Stanley Works (Wrought Steel), New Britain, Conn.

11112—Plates (Number & Letter)

Eagle Lock Co., Terryville, Conn.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Ingram Richardson Mfg. Co. (Metal "Ingrich" Porcelain Enameled Iron, Automobile numbers, also House & Misc. Numbers), Beaver Falls, Pa.
See adv index at end of book
Matthews Jas. H. & Co. (Number), 3942 Forbes, Pittsburgh, Pa.
See adv index at end of book
Moise-Klinkner Co., 369 Market, San Francisco, Cal.
Roovers Bros., 100 Schermerhorn, Brooklyn, N. Y.
Schmutz Mfg. Co., Inc., 17th & Walnut, Louisville, Ky.
Wilcox Mfg. Co. W. W., 566 W Randolph, Chicago

Plates (Paper)

See Dishes, Plates, etc, Paper

11113— Plates (Perch, Reach & Evener)

Harvey Spring & Forging Co., Racine, Wis.

11114— Plates (Pew)

Everett A. & Son, Auburn, N. Y.
Knight H. W. & Son (Number), Seneca Falls, N. Y.
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.

11115— Plates (Piano)

Davenport John Co., Stamford, Conn.
Fairbanks Co., Springfield, O.
Kelly O. S. Co., Springfield, O.
Paragon Foundries Co., Oregon, Ill.
Shriver T. & Co., Harrison, N. J.
Superior Foundry Co., 71st & W. & L. E. Ry., Cleveland, O.
Wenzelman Mfg. Co., Galesburg, Ill.
Wickham Piano Plate Co., Springfield, Ohio

11116— Plates (Pie)

McAleer E. J. & Co., 1422 N 8th, Phila., Pa.
National Enameling & Stamping Co. ("Ezeout" & Cake), 411 5th av, New York
Richardson Mfg. Co. ("Perfection" Tin), Bath, N. Y.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

11117-8—Plates (Pie, Wood)

Oval Wood Dish Co., Delta, O.
Standard Rope Co., Drexel bldg, Phila., Pa.

11119-20-1—Plates (Press)

Carondelet Planing Mill Co. (Wood & Frames for Filter Presses), 5826H S B'way, St. Louis, Mo.
Continental Fibre Co. (Fibre), Newark, Del.
DELAWARE HARD FIBRE CO. (Hard Fibre for Powder Mills, etc), Wilmington, Del. Works: Marshalton, Del. *See adv index at end of book*

11122— Plates (Rail Joint)

Lackawanna Steel Co. ("Abbott"), Buffalo, N. Y.

11123— Plates (Rapping)

(For Foundry Use)

Brodin Pattern & Supply Works, 2420 W 16th, Chicago, Ill.
Diamond Clamp & Flask Co., Richmond, Ind.
Everett A. & Son, Auburn, N. Y.
Federal Malleable Co. ("Fraser"), West Allis, Wis.
Knight H. W. & Son ("Acme"), Seneca Falls, N. Y.
McCormick J. S. Co., 25th & A. V. R. R., Pittsburgh, Pa.
Oliver Machinery Co., Grand Rapids, Mich.
Shanafelt Mfg. Co., Canton, O.
Timmis & Clissold (Malleable Iron), Bound Brook, N. J.
Wellman Products Co., 1444 E 49th, Cleveland, O.

11124— Plates (Screen)

American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept H, 14th & State, Chicago Heights, Ill.
Bethlehem Shipbuilding Corp., Ltd., 20th Michigan, San Francisco, Cal.
Fox River Screen Plate Co., Appleton, Wis.
Hardy Wm. A. & Sons Co. ("Hardy & Pinder"), Fitchburg, Mass.
Johnston & Chapman Co., 2925 Carroll av, Chicago, Ill.
Judson & Williams, Holyoke, Mass.
Neenah Brass Works, Neenah, Wis.
Rice Barton & Fales Inc., 65 Taintor, Worcester, Mass.
Union Iron Works Co., 20th & Michigan San Francisco, Cal.
Union Screen Plate Co., Fitchburg, Mass.

11125— Plates (Sheared)

Allegheny Steel Co. (Steel), Oliver bldg, Pittsburgh, Pa.
Bethlehem Steel Co., (Steel), Bethlehem, Pa.
Bourne Fuller Co., Hanna bldg., Cleveland, Ohio
BREESE BROS. CO. (THE), 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Carbon Steel Co. (Open Hearth Steel), ft 32d. Pittsburgh, Pa.
Carnegie Steel Co. (Open Hearth Steel), Carnegie bldg, Pittsburgh, Pa.
Central Iron & Steel Co., Harrisburg, Pa.
Chrome Steel Works (Acid & Basic Open Hearth Steel), Chrome, N. J.
Glasgow Iron Co., Pottstown, Pa.
Horner W. S. & Co., Oliver bldg, Pittsburgh, Pa.
Illinois Steel Co. (Open Hearth Steel), 208 S La Salle, Chicago, Ill.
Jones & Laughlin Steel Co. (Steel), Ross, Pittsburgh, Pa.
La Belle Iron Works (Basic Open Hearth Steel), Steubenville, O.
LARKIN & CO. J. K. (Steel), 253 Broadway, New York
See adv index at end of book
Lukens Steel Co. (Open-Hearth Steel), Coatesville, Pa.
McInnes Charles E. & Co., Mariner & Merchants bldg., Phila., Pa.
REPUBLIC IRON & STEEL CO., Youngstown, O.
See Branch Offices Alphabetical Section
Tennessee Coal, Iron & Railroad Co. (Open-Hearth Steel), Birmingham, Ala.
Wheeling Steel Corp., Wheeling, W. Va.
WOOD ALAN IRON & STEEL CO., H, Widener bldg, Phila., Pa.
Youngstown Sheet & Tube Co. (Bessemer & Open Hearth Steel), Youngstown, O.

11125a— Plates (Ship)

Carnegie Steel Co., Carnegie bldg, Pittsbugh, Pa.
Mobile Steel Co., Knox & Conception, Mobile, Ala.
Phillips F. R. & Sons Co., N W Cor 15th & Chestnut, Phila., Pa.
Wood Alan Iron & Steel Co., Widener bldg, Phila., Pa.

11126—Plates (Sill, Carriage)

Bossert Corp., The (Door), cor Linden & West av, Utica, N. Y.
Searls Mfg. Co., 29 Mulberry, Newark, N. J.

11127— Plates (Splice)

Bethlehem Steel Co., S. Bethlehem, Pa.

11128— Plates (Spring)

American Shovel & Stamping Co. (For Car Tracks), Lorain, O.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Union Spring & Mfg. Co., New Kensington, Pa.
Western Steel Car & Foundry Co., Farmers Bk. bldg, Pittsburgh, Pa.

11129— Plates (Stair)

Cheney S. & Son, Manlius, N. Y.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Lukens Steel Co., Coatesville, Pa.
Painesville Metallic Binding Co., Painesville, Ohio
Wood Alan Iron & Steel Co., Widener bldg, Philadelphia, Pa.
See adv index at end of book
Zenite Metal Co., Indianapolis, Ind.

Plates (Steel)

See Plates, Iron & Steel

11130—Plates (Steel Buckled)

Glasgow Iron Co. (For Bridges, Buildings, etc), Pottstown, Pa.

11131—Plates (Steel Etching)

Lippert E. T. Saw Co. (Used in Glass Houses for Decorating Glassware), Millvale, Pa.

11132— Plates (Strain)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Lanz M. Bolt Co. (For Telegraph Poles), 2907H Carson, Pittsburgh, Pa.

11133— Plates (Suction Box)

Union Screen Plate Co. (Bronze), Fitchburg, Mass.

11134— Plates (Surface)

Bilton Machine Tool Co. ("Bilton"), 990 Housatonic av, Bridgeport, Conn.
Brown & Sharpe Mfg. Co., Providence, R. I.
Harbor Machine Co. 183 High, Boston, Mass.
Hub Machine Welding & Contracting Co. ("Acme"), 450 N 12th, Phila., Pa.
Milliken Machine Co., West Newton, Mass.
Thurston Mfg. Co. ("Thurco" For Lapping Dies), 140 Benedict, Providence, R. I.
UNITED MACHINE & MFG. CO. (Standard Cast Iron), Canton, O.

11135-6— Plates (Switch)

Altoona Iron Co. (Padded), Altoona, Pa.
Arrow Electric Co. Hartford, Conn.
Art Work Shop ("Superior"), 828 E Ferry, Buffalo, N. Y.
Bethlehem Steel Co. ("Neverslip" Interlocking), S. Bethlehem, Pa.

11137—Plates (Tie, Railroad)

Atlas Railway Supply Co. ("Atlas"), 431 S Dearborn, Chicago, Ill.
Bethlehem Steel Co., S Bethlehem, Pa.
Central Frog & Switch Co., Cincinnati, O.
Cincinnati Frog & Switch Co., Madison rd & B. & O. R. R. Oakley, Cincinnati, O.
Cleveland Railway Supply Co. ("Clary"), Swetland bldg, Cleveland, O.
Continental Fibre Co. ("Continental-Bakelite"), Newark, Del.
Delaware Hard Fibre Co. (Hard Fibre), Wilmington, Del.
See adv index at end of book
Dilworth Porter & Co. (Rail Braces, "Gledon" Flange), 4th & Bingham, Pittsburgh, Pa.
Easton Car & Construction Co. (Industrial), 36 Holley, Easton, Pa.
See adv index at end of book
Elyria Iron & Steel Co. (Rolled Steel Flanged Shoulder), 232 E 131st, Cleveland, O.
Fishel & Marks Co., Ft. of Krakow av, Cleveland, O.
See adv index at end of book
Illinois Steel Co. (Bessemer Steel), 208 S La Salle, Chicago, Ill.
Inland Steel Co., 38 S Dearborn, Chicago, Ill.
Interstate Iron & Steel Co., 104 N Michigan av, Chicago, Ill.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
National Malleable Castings Co., 7706 Platt av S. E., Cleveland, O.
New Era Mfg. Co. (Rail Clamp & Rail Brace, Anti-Creeper Combined), Kalamazoo, Mich.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pittsburgh Forge & Iron Co., Chamber of Commerce bldg, Pittsburgh, Pa.
Pratt & Letchworth Co., 189 Tonawanda, Buffalo, N. Y.
Railroad Supply Co., ("R.R.S." Shoulder Flange Flat Bottom Combination), 203H S Dearborn, Chicago, Ill.
Scullin Steel Co., 6700 Manchester, St. Louis, Mo.
Sellers Mfg. Co. ("Sellers" Anchor Bottom), 332 S Michigan av, Chicago, Ill.
Steel Car Forge Co. (Rail Brace), Frick bldg, Pittsburgh, Pa.
Track Specialties Co. Inc., ("Trasco"), 2-4-6 Morris, New York
Weir Frog Co. (Foreign Dept.), 48 Cedar, New York
Western Railway Equipment Co. ("Hoerr," Fish Hook), Central Natl. Bank bldg. St. Louis, Pa.
Wharton Wm. Jr. & Co., Easton, Pa.

11138—Plates (Tie, Reversible)

New Era Mfg. Co. (Anti-Tip & Anti-Creeper), Kalamazoo, Mich.

11139—*Plates (Tobin Bronze)

AMERICAN BRASS CO., Waterbury, Conn.
For branch offices see adv index at end of book

11139a— Plates (Tunnel)

Chicago Bridge & Iron Wks., 2105 Transportation bldg., Chicago, Ill.
See adv index at end of book

11140— Plates (Turn)

Starr Bros. Bell Co. (Wrought Bronze), East Hampton, Conn.

11141— Plates (Universal)

Bourne Fuller Co., Hanna bldg., Cleveland, Ohio
Carbon Steel Co. (Open Hearth Steel), ft. 32d, Pittsburgh, Pa.
Carnegie Steel Co. (Open Hearth Steel), Carnegie bldg, Pittsburgh, Pa.
Central Iron & Steel Co. (Steel Bridge & Structural), Harrisburg, Pa.
Glasgow Iron Co., Pottstown, Pa.
HARRISBURG PIPE & PIPE BENDING CO. (Narrow Steel), Herr St. N 10th, Harrisburg, Pa.
Illinois Steel Co. (Bessemer & Open Hearth Steel), 208 S La Salle, Chicago, Ill.
Inland Steel Co. (Open Hearth Steel), 1st Nat. Bank bldg, Chicago, Ill.
La Belle Iron Works (Basic Open Hearth Steel), Steubenville, O.
Lackawanna Steel Co. (Bessemer & Open Hearth Steel), Buffalo, N. Y.
Lukens Steel Co. (Open Hearth Steel Plates of All Kinds), Coatesville, Pa.
McInnes Charles E. & Co., Mariner & Merchants bldg, Phila., Pa.
Sharon Steel Hoop Co., Dept H, Sharon, Pa.
United Alloy Steel Corp. (Basic Open Hearth Steel), Canton, O.
Youngstown Sheet & Tube Co. (Bessemer & Open Hearth Steel, "Youngstown"), Youngstown, O.

11142— Plates (Welding)

Blaw-Knox Co., Freeport rd, Hoboken, Pa.
Century Tool & Metal Co. ("Delmas"), 180 N Market, Chicago, Ill.
Chicago Metal Reduction Co. ("Delmar"), 20 W Jackson blvd, Chicago, Ill.
Phillips-Laffitte Co. ("Laffitte" Chemically Weld Iron & Steel), Penna. bldg, Phila., Pa.

11143—Plates (Wire Drawing)

Baker H. & Co., Inc., 101 Duane, New York
Dixon Wm. (Imp.), 119 Fulton, New York
Vianney Wire Die Works (Sapphire), 100 5th av, New York

11143a— Plates (X-Ray)

Cramer G. Dry Plate Co., Dept. H, Shenandoah & Lemp avs, St. Louis, Mo.

11144— Plates (Zinc)

Am. Zinc Products Co. (Rolled Zinc), Greencastle, Ind.
Ball Bros. Co., Muncie, Ind.
Edes Mfg. Co., Plymouth, Mass.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Matthiessen & Harper Zinc Co. (Rolled), La Salle, Ill.
Phillips Ezra & Sons (Pure Rolled, for Boilers), South Hanover, Mass.

11145—Plates & Screws (Leveling)

Golden Gate Brass Mfg. Co., 1239 Sutter, San Francisco, Cal.
Wolf Co., Chambersburg, Pa.

11145a—Plates & Treads (Step & Running Board)

Ashland Brass Foundry (Automobile), Ashland, Ohio
AUTOMATIC TRANSPORTATION CO., THE, 2939 Main, Buffalo, N. Y.
See adv index at end of book
Columbus Brass Co. (Aluminum for Autos), 620 Dublin av, Columbus, Ohio
See adv index at end of book
Elwell-Parker Electric Co. (The), 4205 St. Clair av, Cleveland, Ohio.
See adv index at end of book
Heller P. A. & Sons, 213 State, Detroit, Mich.
Wood Alan Iron & Steel Co., Widener bldg, Philadelphia, Pa.
See adv index at end of book
Youngstown Pressed Steel Co., Warren, O.
See adv index at end of book

11145b—Platforms (Lifting Truck)

Barrett-Cravens Co., 1328 W Monroe, Chicago, Ill.
Commercial Shearing & Stamping Co., Youngstown, Ohio
LEWIS-SHEPARD CO., 577 E 1st, Boston, Mass.
See adv index at end of book
McMyler-Interstate Co. (The) (Pressed Steel for Elevating Trucks), Cleveland, Ohio
See adv index at end of book
Standard Pressed Steel Co. ("Hallowell" Steel), Jenkintown, Pa.
Zering H. Mfg. Co. ("Zering" Live Platforms), B. & O. Ry. & Hickory, Cincinnati, O. *See adv index at end of book*

11146—Platforms (Steel Car)

Commonwealth Steel Co., Pierce bldg, St. Louis, Mo.
Heller P. A. & Sons, 213 State, Detroit, Mich.
Gould Coupler Co., 30 E 42d, New York
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
Standard Coupler Co. ("Standard"), 30 Church, New York; Works: Bridgeport, Conn.

11147— Plating Apparatus

Bennett & Seeley, Inc., Bridgeport, Conn.
Cutter & Wood Supply Co. (All Metals), 274 Friend, Boston, Mass.
Easton Polishing Supply Co., Easton, Pa.
Hanson & Van Winkle Co., 269 Oliver, Newark, N. J.
U. S. Electro Galvanizing Co. (Complete Plants), 36 Stockton, Brooklyn, N. Y.

11148— Plating Works

Aetna Plating Wks. (Jobbers), 126 S Clinton av, Chicago, Ill.
Alloy Steel & Plating Co. (Nickel & Copper), 1629 Chestnut, Phila., Pa.
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Nickel Works (Nickel), 1201 Cortland, Chicago, Ill.
American Nickeloid Co. (Zinc Sheets & Tin Plates), Peru, Ill.
American Tube & Stamping Co. (Nickel, Brass & Copper), Bridgeport, Conn.
Arcade Mfg. Co. (Nickel), Freeport, Ill.
Artistic Bronze Co. (All Kinds), Bridgeport, Conn.
Bastian Bros. Co. (Gold, Silver), Rochester, N. Y.
Biddle Gaumer Co. (Electro, Gold, Silver, Nickel, Copper, etc), 3846 Lancaster av, Phila., Pa.
Bliss A. H. & Co. (Nickel & Brass), N. Attleboro, Mass.
Bossert Corp., The, cor. Linden & West av, Utica, N. Y.
Boston Brass Co. (Nickel), 135 Beacon, Waltham, Mass.
Boston Nickel Plating Co. (Gold, Silver, Brass, Bronze, Black Nickel & Nickel), 160 Portland, Boston, Mass.
Brown Bros. (Brass, Copper & Nickel), 46-48 Garden, Stamford, Conn.
See adv index at end of book

BROWN BROS.
Brass Foundry and Electro Plating
46-48 Garden St. Stamford, Conn.
Electro Plating, Brass Finishers, Specialty Manufacturers, Die Castings, Nickel Plated, etc. Brass and Copper Plating.
Polishers and Finishers of All Metals.

California Plating Works, 143 W Fremont, Stockton, Cal.
Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Chicago Hardware Foundry Co., 546 W Washington, N Chicago, Ill.
Cincinnati Mfg. Co. (All Kinds), Cincinnati, O.
Coast Plating & Enameling Works, 4069 Hollis, Emeryville, Cal.
Connecticut Web & Buckle Co. (Nickel), Bridgeport, Conn.
D. H. M. Plating & Enameling Wks., 2207 S Main, Los Angeles, Cal.
Dayton Plating & Mfg. Co., Dayton, O.
Delaware Marine Mfg. Co. (Brass & Bronze), Wilmington, Del.
Detlaff A. J. Co., 121 E Lafayette, Detroit, Mich.
Domestic Plating Works Co., 1121 Washington blvd, Chicago, Ill.
Drapery Hardware Mfg. Co., 210 13th, Long Island City, N. Y.
Economy Lamp Co. (Brass & Copper), 1701 Washington, Kansas City, Mo.
Edstrand & Olson (Nickel, etc), 159 N Jefferson, Chicago, Ill.
Edwardsville Brass Co. (Nickel, Electro, etc), Edwardsville, Ill.
Empire Nickel Plating Works, Troy, N. Y.
Enterprise Brass & Plating Co., 6th & Baymiller, Cincinnati, O.
Excelsior Brass Works (Gold, Silver, Brass, Nickel, Copper & Oxidizing), Reading, Pa.
Excelsior Nickel Plating Works (Nickel, Brass & Copper), 40 Clifford, Providence, R. I.
Flavin W. H. & Co. (Nickel & Brass), 313 E 22nd, New York
Frazer & Jones Co. (Nickel, Brass & Copper), Syracuse, N. Y.
Fries A. G. Plating Co. (Plating & Polishing), 154 Terrace, Buffalo, N. Y.
Fries & Co., 91 Main, Buffalo, N. Y.
G. G. G. Metal Stamping Co. (Brass & Nickel), Warren, Pa.
Giles & Nielsen Nickel Works (Nickel, Copper, Brass & Silver), Troy, N. Y.
Globe Machine & Stamping Co. (Nickel, Brass, Copper, Zinc, Silver, etc), 1250 W 76th, Cleveland, O.
Globe Nickel Plating Co. (Nickel), 62 Sudbury, Boston, Mass.
Gray Iron Foundry Co. (All Kinds), Reading, Pa.
Greenberg's M. & Son (Nickel), Folsom & Alice, San Francisco, Cal.
Harry Bros. Mfg. Co., 282 Woodbridge, E Detroit, Mich.
Hassall (John (Inc.), (Nickel, Brass, Copper, Silver, etc.), Clay & Oakland, Brooklyn, N. Y.
See adv index at end of book
Haws' Plating Works, 1808 Harmon, Berkeley, Cal.
Haws Sanitary Drinking Faucet Co., 1808 Harmon, Berkeley, Cal.
Hopson & Chapin Mfg. Co., New London, Conn.
Howard Jas. L. & Co. (Brass, Bronze), Hartford, Conn.
Imperial Brass Mfg. Co. (Gold, Nickel, Silver, etc.), 1200 W Harrison, Chicago, Ill.
Ingraham A. S. Co. (Gold, Silver, Nickel, etc.), Attleboro, Mass.
Kalamazoo Plating Works (Copper, Brass & Nickel), Kalamazoo, Mich.
Kienzle Wm. F. (Gold, Silver, Oroide, Brass & Nickel), 4855 N Paulina, Chicago, Ill.
Kleeman L. F. Mfg. Co. (Nickel, etc), 1923 Central, Kansas City, Mo.
Konigslow E Stamping & Tool Works (Electro Nickel, Copper, Brass, Bronze), Cleveland, O.
Loeffelholz Co. (Silver & Nickel), Milwaukee, Wis.
Matthews H. A. Mfg. Co. (Nickel, Copper & Brass, Seymour, Conn.
Matthews Mfg. Co. (Brass, Copper & Nickel), 104 Gold, Worcester, Mass.
Maynard Mfg. Co. (Nickel, etc.), Waltham, Mass.
Mechanical Plating Wks., 616 W Monroe, Chicago, Ill.
Miller J. Walter Co., Lancaster, Pa.
Mills Wm. J. (Gold, Silver & Nickel Plating), 25 Bainbridge, Brooklyn, N. Y.
National Mfg. & Electro Plating Co. (All Metals), 16 Calender, Providence, R. I.
Naugatuck Mfg. Co. (Copper Depositing), Naugatuck, Conn.
Nehls Barney, 248 Brush, Detroit, Mich.
New Acme Plating Co. (Gold, Silver, Nickel, Brass & Copper), 59 Page, Providence, R. I.
Newman Mfg. Co., 420 Elm, Cincinnati, O.
New York Nickel Plating & Mfg. Co. (Nickel, Brass, Bronze & Copper), 327 E 63d, New York
Nicol & Co., 218 N Jefferson, Chicago, Ill.
North & Judd Mfg. Co. (Gold, Silver, Brass, Copper & Nickel), New Britain, Conn.
North Star Spinning & Mfg. Co., St. Paul, Minn.
Norwich Nickel & Brass Co. (Nickel, Copper & Silver), Norwich, Conn.
Pacific Enameling & Plating Co., 17th & Los Angeles, Los Angeles, Cal.
Philadelphia Hardware & Malleable Iron Yorks, 9th & Jefferson, Phila., Pa.
Phoenix Metal Stamping Co. (Nickel, Brass & Copper), 2827H W Fletcher, Phila., Pa.
Progressive Plating & Enameling Works, 880 27th, Oakland, Cal.
Providence Electrotyping & Plating Works (Gold, Brass, Silver, Copper & Nickel), 73 Friendship, Providence, R. I.
Racine Malleable & Wrought Iron Co. (Nickel, etc.), Racine, Wis.
Railroad Supply Co. ("R.R.S." Tie Plates), 203 S Dearborn, Chicago, Ill.
Reed & Prince Mfg. Co. (Nickel), Brass & Copper), Worcester, Mass.
Republic Brass & Mfg. Co., 1931 Violet, Los Angeles, Cal.
Rockford Metal Specialty Co., Rockford, Ill.
Roesch Bros. Plating Works (Nickel, Brass & Copper), Belleville, Ill.
Royal Plating Works, 140 W 17th, Los Angeles, Cal.
Seneca Brass & Plating Works, Utica, N. Y.
Sharp W. H. Mfg. Co., 41 Wall, Binghamton, N. Y.
Sievering Philip (Nickel, Copper & Brass), 199 Lafayette, New York
Snow Wire Works Co., Rochester, N. Y.
Southern Brass Mfg. & Plating Co., Houston, Tex.
Spencers' I. S. Sons Inc. (Nickel, Brass, etc.), Guilford, Conn.
Standard Plating Works, York, Pa.
Standard Plating Works Inc., 268 First, San Francisco, Cal.
Star Nickel Plating Works, Maschr. & Turner, Phila., Pa.
Strater Herman & Sons (Gold, Silver & Nickel), 74 Sudbury, Boston, Mass.
Turner Brass Works, Sycamore, Ill.
Two Rivers Plating Works, Two Rivers, Wis.
Union Polishing & Plating Co., Rochester, N. Y.
Union Spinning & Plating Co., 67 Sudbury, Boston, Mass.
U. S. Electro Lead Plating Co., 1930 W 77th, Cleveland, O.
Weiskittel A. & Son Co. (Nickel Platers, Enamelers, etc.), 12th & E Lombard, Baltimore, Md.
Whiting-Mead Pottery Co. (Plumbers' Goods), 415 E 9th, Los Angeles, Cal.
Wisconsin Foundry & Steel Works (Nickel & Copper), Cedar Grove, Wis.

11149—Platinoid (Non-Fusing)

Manhattan Dental Co., Times bldg, New York

11150— Platinum

American Platinum Works (Specialties), 231 N J R R av, Newark, N. J.
Austin John & Son (Refined), 74 Clifford, Providence, R. I.

(Continued on following page)

Platinum—Continued

Baker Geo. M. Co. (Refiners), 91 Page, Providence, R. I.
Baker & Co. (Special Shape), 54 Austin, Newark, N. J.
Balbach Smelting & Refining Co., 280 Broadway, New York
Bishop J. & Co. (Refiners & Melters, Wire, Plate, Tubes & Special Shapes), Malvern, Pa.
C. P. Chemical & Drug Co. Inc., 114-118 Liberty, New York.
Goldsmith Bros. Smelting & Refining Co., Heyworth bldg, Chicago, Ill.
Guiterman, Rosenfeld & Co. (Imp.), 35 S William, New York
Gracier S. B. Co. Inc., 608 Commercial, San Francisco, Cal.
KASTENHUBER & LEHRFELD, 24 John, New York
See adv index at end of book

KASTENHUBER & LEHRFELD
Smelters and Refiners
PLATINUM
24 John Street New York, N. Y.
Cable Address, Kasfeld, New York
Telephone COR tland 5737

Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Pacific Platinum Works, Inc., 814 S Spring, Los Angeles, Cal.
Philipp Bros., Inc., 233 Broadway, New York
Platt Co. Charles S., 101 Park av, New York
Roessler & Hasslacher Chemical Co. (Jobbers), 709 6th av, New York
See adv index at end of book
South American Gold & Platinum Co. (Miners & Imp.), 61 B'way, New York
Whipple & Campbell Co., 22 Conduit, Providence, R. I.
Wildberg Bros., 742 Market, San Francisco, Cal.
WILSON H. A. CO. ("Wilco"), 99 Chestnut, Newark, N. J.
Zimmerman Process Syndicate, 221 E 28th N, Portland, Ore.

11151— Platinum Chloride

Am. Platinum Works, 231 N. J. R. R. av, Newark, N. J.
Bishop J. & Co., Dept H, Malvern, Pa.
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Pacific Platinum Works, Inc., 814 S Spring, Los Angeles, Cal.

11152—Platinum Crucibles & Dishes

American Platinum Works, Oliver & N J R R av, Newark, N. J.
Bishop J. & Co., Malvern, Pa.
Braun-Knecht-Heimann Co. (Sugar Dishes & Water Analysis Dishes), 576-584 Mission, San Fransisco, Cal.

11153— Platinum Foil

American Platinum Works (Very Soft), 231 N J R R av, Newark, N. J.
Bishop J. & Co., Dept H, Malvern, Pa.

11154— Platinum Gauze

American Platinum Works, 231 N J R R av, Newark, N. J.
Bishop J. & Co., Dept H, Malvern, Pa.

11155— Platinum (Imitation)

Bario Metal Corp. ("Platno," Platinum Substitute), 147 Varick, New York
Manhattan Dental Co. ("Platinoid"), Times bldg, New York

11156—Platinum-Iridium Balls

American Platinum Works, 231 N J R R av, Newark, N. J.
Bishop J. & Co., Dept H, Malvern, Pa.

11157— Platinum Melting Outfits (Jewelers' & Refiners')

Jewelers' Technical Advice Co., 22 Albany, New York

11157a— *Platinum Refiners

Kastenhuber & Lehrfeld, 24 John, New York

11158—Platinum Sheet & Wire

Amalgamated Metals Selling Co. Ltd., 120 E 16th, New York
American Platinum Works (Soft & Hard), 231 N J R R av, Newark, N. J.
Baker & Co. (Also Iridio Platinum), 54 Austin, Newark, N. J.
Bishop J. & Co., Malvern, Pa.
Gracier S. B. Co., Inc., 608 Commercial, San Francisco, Cal.
Pacific Platinum Works, Inc., 814 S Spring, Los Angeles, Cal.
Philipp Bros., Inc., 233 Broadway, New York
Wildberg Bros., 742 Market, San Francisco, Cal.
WILSON H. A. ("Wilco"), 99 Chestnut, Newark, N. J.

11158a—*Platinum (Wedding Ring)

WILSON H. A. CO. ("Wilco" Seamless Blanks), 99 Chestnut, Newark, N. J.

11159—Playground & Gymnasium Equipment

Cullum & Boren Co., Dallas, Texas.
Everwear Mfg. Co., Springfield, O.
Health Merry Go-Round Co., Quincy, Ill.
Hellenberg J. B. Co. (Indoor Wood Sporting Goods), Coldwater, Mich.
Medart Fred Mfg. Co., St. Louis, Mo.
Narragansett Machine Co. ("Standard"), Providence, R. I.
Parker C. W., Leavenworth, Kans.
Patterson-Williams Mfg. Co., San Jose, Cal.
Safety First Supply Co. ("Diamond"), 107 Third av, Pittsburgh, Pa.
Spalding A. G. & Bros., 105 Nassau, New York
Tothill W. S., 1815 Webster av, Chicago, Ill.
Welch W. M. Scientific Co., 1516 Orleans, Chicago, Ill.
Wilson Thos. E. & Co., 727 N Sangamon, Chicago, Ill.
Zieg F. B. Mfg. Co., Frederickstown, O.

11160— Playing Card Mfrs.

Dougherty Andrew, 432 4th av, New York
New York Consolidated Card Co., 4th & Webster av, Long Island City, N Y.
Russell Playing Card Co. ("Blue Ribbon," "Aristocrat," "Rustlen"), 200 5th av, New York
Standard Playing Card Mfg. Co. ("Standard"), 412 Orleans, Chicago, Ill.
U. S. Playing Card Co. ("Bicycle," "Congress"), Park av, Norwood, Cincinnati, O.

11160a—Pliers (Bar, Billet & Strip)

Treadwell Engineering Co., Easton, Pa.
See adv index at end of book

11161— Pliers (Belt)

Manufacturers' Belt Hook Co. ("L-X"), 1321 W Congress, Chicago, Ill.

11162— Pliers (Burner)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Danielson J. P. & Co., Jamestown, N Y.

11162a— Pliers (Combination)

See also Pliers & Nippers

Alvord Reamer & Tool Co., Dept H, Millersburg, Pa.
Bonney Forge & Tool Works, Telghman, Allentown, Pa.
Chicago Tool & Kit Co., 160 Whiting, Chicago, Ill.
Danielson J. P. & Co. Inc., Jamestown, N. Y.
Erie Tool Works, Erie, Pa.
Gray Iron Foundry Co., Reading, Pa.
Herbrand Co., Fremont, O.
Hjorth Tool Corp., 28 Taylor, Jamestown, N. Y.
Lakeside Forge Co., Erie, Pa.
Reed Mfg. Co., Erie, Pa.
Syracuse Twist Drill Co. ("Hero" & Syracuse"), 936H Grape, Syracuse, N. Y.
Vichek Tool Co. ("Vichek"), 3000 E 87th, Cleveland, O.

11163— Pliers (Expansion)

Starrett L. S. Co. ("Starret" Drop Forged), Athol, Mass.

11164— Pliers (Fencing)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Cronk & Carrier Mfg. Co. ("Cronk's" Staple Puller), 150 Lake, Elmira, N. Y.
Irvington Mfg. Co., Irvington, N. J.
Kilborn & Bishop Co. ("K. & B."), 194 Chapel, New Haven, Conn.
Peck Stow & Wilcox Co. ("Pexto"), Southington, Conn.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
SMITH & HEMENWAY CO. INC. ("Red Devil," Drop Forged), 261 H. B'way, New York; 130 H. Coit, Irvington, N. J.
See adv index at end of book
Utica Drop Forge & Tool Co. ("Utica"), Utica, N. Y.
Vaughan & Bushnell Mfg. Co., 2114 Carroll av, Chicago, Ill.

11165— Pliers (Gas)

Barcalo Mfg. Co. (Combination), Buffalo, N. Y.
Barnett Oscar Foundry Co. ("Barnett"), Irvington, N. J.
Bridgeport Hardware Mfg. Corp., 461 Irving av, Bridgeport, Conn.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Chicago Tool & Kit Co., 160 Whiting, Chicago, Ill.
Cronk & Carrier Mfg. Co., 150 Lake, Elmira, N. Y.
Erie Tool Works (Combination), Erie, Pa.
Gray Iron Foundry Co., Reading, Pa.
Grey Iron Casting Co., Mt. Joy, Pa.
Herbrand Co., Fremont, O.
Irving Mfg. & Tool Co., 157 Chambers, New York
Kraeuter & Co., 533 13th av, Newark, N. J.
OSBORNE C. S. CO. (& Burner), Box 133, Newark, N. J.
See adv index at end of book
Peck Stow & Wilcox Co. ("Pexto"), Southington, Conn.
Reading Saddle & Mfg. Co. ("Reading" Household), Reading, Pa.
Rocky Hill Hardware Co., Rocky Hill, Conn.
Schollhorn Wm. Co., 414 Chapel, New Haven, Conn.
SMITH & HEMENWAY CO. INC. ("Red Devil" Drop Forged), 261H B'way, New York, 130H Coit, Irvington, N. J.
See adv index at end of book
Standard Shoe Machinery Co., Lawrence, Mass.
Syracuse Twist Drill Co. ("Hero" & "Syracuse"), Borden av, Syracuse, N. Y.
Utica Drop Forge & Tool Co., Utica, N. Y.
U. S. Lock & Hardware Co., Columbia, Pa.
Vaughan & Bushnell Mfg. Co. ("V. & B." Center), 2114 Carroll av, Chicago, Ill.
Walworth Mfg. Co., 793 1st, Boston, Mass.
Washington Tool Co., Owatonna, Minn.
Williams A. C. Co., Ravenna, O.

11166—Pliers (Glass Cutters')

Kraeuter & Co., 533 13th av, Newark, N. J.
Peck, Stow & Wilcox Co., Southington, Conn.
SMITH & HEMENWAY CO. INC., 261H B'way, New York, 130H Coit, Irvington, N. J.
See adv index at end of book
Stortz Jno & Son, 210 Vine, Phila., Pa.

11167—Pliers (Lead Pipe Expanding)

Anderson Wrench Co., Portland, Conn.

11168— Pliers (Lineman's)

Buhrke R. H. Co. (Pocket), 1250H Fullerton av, Chicago, Ill.
Columbus Handle & Tool Co., Columbus, Ind.
Cronk & Carrier Mfg. Co. (Insulated & Non-Insulated), 150 Lake, Elmira, New York
Dicke Tool Co., Downers Grove, Ill.
Irving Mfg. & Tool Co., 157 Chambers, New York
Irvington Mfg. Co., Irvington, N. J.
Klein, Mathias & Sons, 3200 Belmont av, Chicago, Ill.
Mathias-Hart Co. (Insulated), 516 Atlantic av, Boston, Mass.
Peck Stow & Wilcox Co. (Mica Handle "Pexto"), Southington, Conn.
Ransom Concrete Machinery Co., Dunellen, N. J.
Robinson M. W. Co. ("Klein" Pattern), 296 B'way, New York
Schollhorn Wm. Co. ("Bernard's"), 414 Chapel, New Haven, Conn.
SMITH & HEMENWAY CO. INC. ("Red Devil," Drop Forged), 261H B'way, New York, 130H Coit, Irvington, N. J.
See adv index at end of book
Utica Drop Forge & Tool Co. ("Utica"), Utica, N. Y.

11169-70-1—Pliers (Piano Makers')

Kraeuter & Co., 533 13th av, Newark, N. J.

Pliers (Pressed Steel)

See Pliers & Nippers

11172— Pliers & Nippers

See also Clinchers; also Pliers, Gas

Barcalo Mfg. Co. (Adjustable Combination Pliers), Buffalo, N. Y.
Barnett Oscar Foundry Co. (Combination Pliers, etc), Irvington, N. J.
Bergman Tool Manufacturing Co. (Pliers Only, Combination), Buffalo, N. Y.
Bernz Co., Inc., Otto (Cutting, Combination, etc), 17 Ashland, Newark, N. J.
Billings & Spencer ("B. & S." Cutting Combination, Gas, Pliers, etc.), Hartford, Conn.
Bonney Forge & Tool Works (Combination Pliers), Telghman, Allentown, Pa.
Bridgeport Hardware Mfg. Corp. ("No. 118 Universal," Side Cutting Pliers, "132" End Cutting Nippers), 461 Irving, Bridgeport, Conn.
Brimm Leo J. Inc., 119 W 63rd, New York
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Bunce Metal Products, 2652 Long Beach av, Los Angeles, Cal.
Champion Hdwe. Co., Geneva, Ohio

Crescent Tool Co. ("Crescent," "Simplex," "Motor Kit," & "Cutuco" Slip Joint Pliers), 200 Harrison, Jamestown, N. Y.
Cronk & Carrier Mfg. Co. (Combination Pliers), 150 Lake, Elmira, N. Y.
Cushman Auto Tool Co. (Combination Pliers), Champaign, Ill.
Danielson J. P. & Co. (Side Cuting Combination Pliers Only), Jamestown, N. Y.
Dicke Tool Co. (Combination, Wireman's, etc), Downers Grove, Ill.
Dudley Tool Co., Menominee, Mich.
Erie Tool Works, Erie, Pa.
Forged Products Co. ("Gibraltar") Conway bldg, Chicago, Ill.
Gleason James & Co. (Chain), 515 W Jackson blvd., Chicago, Ill.
Goodell-Pratt Co. (Combination Pliers), Greenfield, Mass.
Grey Iron Casting Co. (Auto & Gas Pliers & Wire Nippers, etc), Mt. Joy, Pa.
Herbrand Co. (Combination Pliers, Wire Cutter & Screw Drivers), Fremont, O.
Higganum Hdw. Co. ("Acme"), Higganum, Conn.
Hjorth Tool Corp. ("Hjorth" Bent Nose Pliers), 28 Taylor, Jamestown, N. Y.
Irving Mfg. & Tool Co. ("Button's" Combination Pliers), 157 Chambers, New York
Irvington Mfg. Co. ("Irvington" & "Red Devil"), Irvington, N. J.
Kilhorn & Bishop Co. (Forged Combination & Gas Pliers), 194 Chapel, New Haven, Conn.
Klein Mathias & Sons, 3200 Belmont av, Chicago, Ill.
Kraeuter & Co. (Combination), 583 18th av, Newark, N. J.
McKaig Hatch, Inc., Ontario & Skillen, Buffalo, N. Y.
Mathias Hart Co., 516 Atlantic av, Boston, Mass.
Mechanics Tool Co., Rockford, Ill.
Montgomery & Co., 64 Reade, New York
Neversiip Works, The ("Neversiip" Side Cutting Pliers), New Brunswick, N. J.
Osborne C. S. & Co. (Gas, Saddlers', etc.), Box 183, Newark, N. J.
See adv index at end of book
Peck Stow & Wilcox Co. (Round & Flat Nose, "Pexto," etc.), Southington, Conn
Porter H. K., Union Bk. bldg, Everett, Mass.
Robinson M. W. Co. ("Klein" Pattern), 296 B'way, New York
Sayre L. A. Co. ("Hercules," "Champion" Fence Pliers), 332 Mulberry, Newark, N. J.
Schollhorn Wm. Co. ("Bernard's," "Paragon," Pliers & Nippers Combined), 414 Chapel, New Haven, Conn.
Schriver O. P. Co. ("I.X.L." Chain Pliers), 621 E Pearl, Cincinnati, O.
Smith H. D. & Co. ("Enchased Joint," Slotcutting Pliers), Plantsville, Conn.
Smith Otis A. (Side Cutting), Rockfall, Conn.
SMITH & HEMENWAY CO., INC. ("Red Devil," Drop Forged), 261H B'way, New York, 130H Coit, Irvington, N. J.
See adv index at end of book



"Red Devil" Pliers

comprise a complete line for Linemen, Electricians and all mechanics. Made of highest grade drop-forged steel and unconditionally guaranteed.

Smith & Hemenway Co., Inc.

N.Y. Sales and Export Office: 261H Broadway, New York City
Factory: 130H Coit Street, Irvington, N. J.

Manufacturers of "Red Devil" Glass Cutters, Bits, Hack Saws, Snips, Screwdrivers, etc.

Send for Tool Booklet

Standard Shoe Machinery Co., Lawrence, Mass.
Syracuse Twist Drill Co. ("Hero" & "Syracuse" Combination), Borden av, Syracuse, N. Y.
Thomson Drop Forge Co. (Combination Pliers, etc), Plantsville, Conn.
U. S. Lock & Hardware Co. (Adjustable), Columbia, Pa.
Utica Drop Forge & Tool Co. ("Utica" Cutting, etc.), Utica, N. Y.
Vande Water Mfg. Co., Newburgh, N. Y.
Vaughan & Bushnell Mfg. Co., 3114 Carroll av, Chicago, Ill.
Walworth Mfg. Co. (Gas, etc), **Boston,** Mass.
Williams A. C. Co., Ravenna, O.
Winchester Repeating Arms Co. ("Winchester"), New Haven Conn.
Wrightsville Hardware Co. (Gas & Nose Pliers), Wrightsville, Pa.

11172a— Plodders (Soap)

Houchin Aiken Co., 113 53rd, B'klyn, N. Y.
Sowers Mfg. Co., 1320 Niagara, Buffalo, N. Y.

11173— Plow Beams (Steel)

Buffalo Steel Co. (Bessemer), Tonawanda, N. Y.
Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
Empire Plow Co., 3140 E 65th, Cleveland, O.
Harriman Mfg. Co., Harriman, Tenn.
Illinois Steel Co., 208 S La Salle, Chicago, Ill.
Jones & Laughlin Steel Co., Ross, Pittsburgh, Pa.
Republic Iron & Steel Co., Youngstown, O.
See Branch Offices Alphabetical Section
Shunk Mfg. Co., Bucyrus, O.

11174—Plow Beams (Wood)

Galloway Kennedy Co., Clarendon, Ark.
Peckinpaugh, Harrison & Co., Alton, Ind.

11175— Plow Coulters

Avery B. F. & Sons ("Moon" Knife & Rolling), **Louisville, Ky.**
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Brinly Hardy Co. (Rolling), **Louisville, Ky.**
Case J. I. Plow Works, Racine, Wis.
Collins Plow Co., Quincy, Ill.
Empire Plow Co., 3140 E 65th, Cleveland, O.
Gale Mfg. Co. ("Gale"), **Albion, Mich.**
Galesburg Coulter Disc Co. ("Sandoval," "Gaylord"), **Galesburg, Ill.**
Hartman Mfg Co. ("Acme" Jr., "Acme Improved" & Sr.), **Vincennes, Ind.**
Hench & Dromgold Co., York, Pa.
Herschel R. Mfg. Co., Peoria, Ill.
La Crosse Plow Co. ("La Crosse," "Jointer"), **La Crosse, Wis.**
Mason F. C. & Co., St. Johns, Mich.
Moline Plow Co. ("New Universal" Roller), **Moline, Ill.**
Moore, C. H. Toledo, O.
Noll Bros., 349 Allis, Milwaukee, Wis.
Ohio Cultivator Co. ("Bissell," "Ohio"), Bellevue, O.
Oliver Chilled Plow Works, South Bend, Ind.
Owensboro Shovel & Tool Co., Owensboro, Ky.
Racine-Sattley Co. ("Sattley"), **Springfield, Ill.**
Rock Island Plow Co. ("Universal," "Rock Island"), Rock Island, Ill.
South Bend Chilled Plow Co., South Bend, Ind.
Sparta Plow Works ("Crothers," "Adjustable"), Sparta, Ill.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Thompson Plow & Engine Works, Beloit, Wis.
Wills Mfg. Co., Mendota, Ill.

11176— Plow Jointers

Noll Bros., 349 Allis, Milwaukee, Wis.
Oliver Chilled Plow Works, South Bend, Ind.

11177— Plow Mfrs.

Adams S. & Son, Rome, N. Y.
Allen Chas. G. Co., Barre, Mass.
American Road Machinery Co., Kennett Sq., Pa.
Arnold's G. W. Son, Ionia, Mich.
Avery B. F. & Sons (Chilled Steel), Louisville, Ky.
Babcock Mfg. Co., Leonardsville, N. Y.
Bailey E. M. & Son, Leraysville, Pa.
Barnes Mfg. Co., Lanesboro, Pa.
Becholt Geo. E., Urbana, O.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Billups C. Son & Co. "Champion," "Climax," "New Era"), Norfolk, Va.
Blount Plow Works, 1128 E Illinois, Evansville, Ind.
Bostick Stove Co., Lapeer, Mich.
Bradley P. & Sons, Harrisonburg, Va.
Brillion Iron Works, Brillion, Wis.
Brinly Hardy Co. (Hand Welded Steel Point), Louisville, Ky.
Bronson Wm. & Hy. ("Roxbury," "Southbury" Walking), Roxbury, Conn.
Brooks John E., Taylor & Aurora, Stockton, Cal.
Brown-Manly Plow Co., Malta, O.
Brown Mfg. Co., Zanesville, O.
Bucher & Gibbs Plow Co. ("Imperial" Chilled Steel Combination), 800-36 2nd S E, Canton, O.
Burch Plow Works Co. (Wood Beam Steel Road), Crestline, O.
Cal. Plow Co., 140H Polhenus, San Jose, Cal.
Call-Watt Co. ("Watt"), Richmond, Va.
Case J. I. Plow Works, Racine, Wis.
Caward R. S., Cresco, Iowa
Chattanooga Implement & Mfg. Co., Office E. C. Chattanooga, Tenn.
Chattanooga Plow Co. ("Chattanooga" Chilled), Carter & Main, Chattanooga, Tenn.
Collins Co. (Gang & Wheel Walking), Collinsville, Conn.
Collins Plow Co., (Walking or Riding), Quincy, Ill.
Columbia Plow Works (Chilled), Copake Falls, N. Y.
Cutaway Harrow Co., Higganum, Conn.
Deere & Co., Moline, Ill.
Disc Grader and Plow Co., 400 N E Pierce, Minneapolis, Minn.
Donaldson Bros. (Steel & Wood Rim), Mount Clemens, Mich.
Dutton E. Q. & Co. (Walking), Cato, N. Y.
Eddy W Plow Co, Greenwich, N Y.
Emerson-Brantingham Co. ("E.-B."), Rockford, Ill.
Empire Plow Co. (Middleburster & Planter Bottom), **3140 E 65th, Cleveland, O.**
Evans B. A., Hammond, N. Y.
Fair Geo. & Son, Blaine, Mich.
Fairfield Plow Works, North Fairfield, O.
Fonda F. A., East Galway, N. Y.
Fresno Agricultural Works, Fresno, Cal.
Gale Mfg. Co. (3-Wheel Sulky, 3-Wheel Gang, Riding, & One, Two & Three-Horse Walking), Albion, Mich.
Gantt Mfg. Co., Macon, Ga.
Glasow Fred, Fond Du Lac, Wis.
Godfrey H. M. (Walking), Jonesburg, Mo.
Good Roads Machinery Co., Kenneth sq, Pa.
Gowanda Agricultural Works (Steel), Gowanda, N. Y.
Grand Detour Plow Co. (Listing), Dixon, Ill.
Greenville Implement Co., Greenville, Mich.
Hackley H. B. Equipment Co. ("Rubottom"), 625 Market, San Francisco, Cal.
Hall Jas. H. Plow Co., Maysville, Ky.
Hamachek Frank, Kewaunee, Wis.
Hamburg Plow Works, Hamburg, Pa.
Hapgood Plow Co., Alton, Ill.
Harriman Mfg. Co., Harriman, Tenn.
Hartig W. F. Plow Co., 2200 1st av, Evansville, Ind.
Holt Mfg. Co. ("Caterpillar"), **S Aurora,** Stockton, Cal.
Hunter Chas. E., Farmers' Friend Plow Works, Fredericksburg, Va.
Hussey Plow Co., N. Berwick, Me.
International Harvester Co. ("McCormick-Deering," "P. & O.," "Chattanooga"), Harvester bldg, Chicago, Ill.
Janesville Machine Co., Janesville, Wis.
Kaster P. M., Rimersburg, Pa.
Kelly G. A. Plow Co., Longview, Tex.
Kennehan P. E. Son & Co. Brasher, Fonda, N. Y.
Kerns T. A., Sutherlin, Va.
Knapp Plow Co., Inc. ("Knapp"), San Jose, Cal.
La Crosse Plow Co., La Crosse, Wis.
Leader Plow Co., Staunton, Va.
Leroy Plow Co., Leroy, N. Y.
Logan Foundry & Machine Co., Logan, O.
Lynchburg Foundry Co. (Chilled Walking), Lynchburg, Va.
Lyon Iron Works, Greene, N. Y.
Madison Plow Co., Madison, Wis.
May Wm. H. & Son, Alexandria, Va.
Moline Plow Co., Moline, Ill.
Monmouth Plow Factory, Monmouth, Ill.
Moore Plow & Implement Co. (Walking), Greenville, Mich.
Munnsville Plow Co., Munnsville, N. Y.
Murkland John W. Co., Barton, Vt.
Northfield Iron Co., Northfield, Minn.
Ohio Cultivator Co., Bellevue, O.
Oliver Chilled Plow Works (Chilled & Walking), South Bend, Ind.
Painter & Frankland, Albion, Ill.
Parlin & Orendorff Co. ("P. & O. Canton"), Canton, O.
Pattee Plow Co., Monmouth, Ill.
Peek's S. H. Sons (Steel), East Aurora, N. Y.
Peppler Thos. Son & Co. ("Riggs" Improved), Hightstown, N. J.
Peru Plow & Wheel Co., Peru, Ill.
Racine-Sattley Co., Springfield, Ill.
Rimple-Morgan Plow Co., San Jose, Cal.
Ripson Wm. & Son, Youngstown, N. Y.
Rockford Mfg. Co., Rockford, Ill.
Rock Island Plow Co. (Chilled & Steel), Rock Island, Ill.
Rowell I. B. Co. (Riding or Walking), Waukesha, Wis.
Sargent, Osgood & Roundy Co., Randolph, Vt.
Shaw H. C. Co., Stockton, Cal.
Shunk Plow Co., Bucyrus, O.
Smalley Mfg. Co., Manitowoc, Wis.
Smith & Sons Mfg. Co., Kansas City, Mo.
South Bend Chilled Plow Co. (Chilled), South Bend, Ind.
Southern Plow Co. (New Ground), Columbus, Ga.
Southern Plow Co., Dallas, Tex.
Sparta Plow Works, Sparta, Ill.
Spinner Ed. F., Ava, Ill.
STARKE'S DIXIE PLOW WORKS, INC. ("Dixie" & "Boy Dixie"), 1518 E. Cary, Richmond, Va.
Stoughton Wagon Co., Stoughton, Wis.
Stroker Fritz C. & Son, Olney Mo.
Stroud & Co. ("Stroud"), Omaha, Neb.
Sturgis W. B. & Sons, Shelbyville, Ill.
Swanson Plow Co., Muskogee, Okla.
Swinton & Co., Port Jervis, N. Y.
Syracuse Chilled Plow Co. (Chilled), Syracuse, N. Y.
Thornburgh Mfg. Co., Bowling Green, O.
Towers & Sullivan Mfg. Co., Rome, Ga.
Vulcan Plow Co. (Chilled & Steel), **Evansville, Ind.**
Watt Plow Co., Richmond, Va.
Wayne Agricultural Works, Goldsboro, N. C.
Western Wheeled Scraper Co., Aurora, Ill.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.
Wiard Plow Co. (Chilled & Steel) Batavia, N. Y.
Wilder-Strong Implement Co, Monroe, Mich.
Woodward Co. (Vineyard), Kearn & G., Fresno, Cal.
Yuba Mfg. Co., Marysville, Cal. & 433 California, San Francisco, Cal.

11177a— Plow Stocks

Atlanta Plow Co., Atlanta, Ga.
Avery B. F. & Sons, Louisville, Ky.
Brinly-Hardy Co., Louisville, Ky.

(Continued on following page)

Plow Stocks—Continued

Brown-Manly Plow Co., Malta, O.
Brown Mfg. Co., Zanesville, O.
Emerson-Brantingham Co., Rockford, Ill.
Empire Plow Co., 3140 E 65th, Cleveland, O.
Farquhar A. B. Co. (Ltd.), York, Pa.
Gantt Mfg. Co., Macon, Ga.
Harriman Mfg. Co., Harriman, Tenn.
Kelly G. A. Plow Co. (Wood & Steel), Longview, Tex.
Ohio Cultivator Co., Bellevue, O.
Parlin & Orendorff Co., Canton, Ill.
Rock Island Plow Co., Rock Island, Ill.
South Bend Chilled Plow Co., South Bend, Ind.
Southern Plow Co. (Wood & Steel Beam), Columbus, Ga.
Swanson Plow Co., Muskogee, Okla.
Towers & Sullivan Mfg. Co., Rome, Ga.

11178— Plows (Asparagus)

Wyckoff Bros., Hightstown, N. J.

11179—Plows (Auto or Motor)

Boenker H. H. Motor Plow Co., St. Charles, Mo.
Denning Tractor Co., Cedar Rapids, Ia.
Hackney Mfg. Co., St. Paul, Minn.

Plows (Ballast)

See Ballast Loaders & Unloaders

11180— Plows (Beet)

Oliver Chilled Plow Works, South Bend, Ind.

11181— Plows (Breaking)

American Road Machinery Co., Kennett Square, Pa.
Avery B. F. & Sons, Louisville, Ky.
Brinly Hardy Co., Louisville, Ky.
Brown-Manly Plow Co., Malta, O.
Burch Plow Works Co., Crestline, O.
Case J. I. Plow Works (Black & Sand Land, Turf & Stubble, Brush & Prairie Breakers), Racine, Wis.
Chattanooga Plow Co., Carter & Main, Chattanooga, Tenn.
Deere & Co., Moline, Ill.
Emerson-Brantingham Co. ("E.B." Walking & Riding Engine), Rockford, Ill.
Gale Mfg. Co., Albion, Mich.
Grand Detour Plow Co., Dixon, Ill.
Hackley P. B. Equipment Co. ("Rubottom"), 625 Market, San Francisco, Cal.
Hapgood Plow Co., Alton, Ill.
Hench & Dromgold Co., York, Pa.
Knapp Plow Co. Inc. ("Knapp"), San Jose, Cal.
La Crosse Plow Co., La Crosse, Wis.
Lee Bros., Watertown, S. Dak.
Madison Plow Co., Madison, Wis.
Messinger Mfg. Co., Tatamy, Pa.
Moline Plow Co. ("Moline," "Scotch Clipper"), Moline, Ill.
Oliver Chilled Plow Works, South Bend, Ind.
Peru Plow & Wheel Co., Peru, Ill.
Racine-Sattley Co. ("Sattley"), Springfield, Ill.
Rock Island Plow Co., Rock Island, Ill.
Schuerenberg F. W. (Also Wagons), Brenham, Tex.
Shunk Plow Co. (Steel, Street, etc), Bucyrus, O.
South Bend Chilled Plow Co., South Bend, Ind.
Southern Plow Co. (Steel), Columbus, Ga.
Sparta Plow Works, Sparta, Ill.
Vulcan Plow Co., Evansville, Ind.

11182— Plows (Clay)

Fernholtz Brick Machinery Co., Boyle & Vandeventer av, St. Louis, Mo.

11183— Plows (Contractors')

Acme Road Machinery Co., Frankfort, N. Y.
American Road Machinery Co., Kennett Square, Pa.
American Steel Scraper Co., Sidney, Ohio
Avery B. F. & Sons, Louisville, Ky.
Blount Plow Works (Railroad), 1128 E Illinois, Evansville, Ind.
Brinly Hardy Co., Louisville, Ky.
Bucher & Gibbs Plow Co., 800-36 2nd S E, Canton, O.
Chattanooga Plow Co., Carter & Main, Chattanooga, Tenn.
Collins Plow Co. ("Boss," "Giant," "District," 2 to 12 Horses), Quincy, Ill.
Deere & Co., Moline, Ill.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y.
See adv index at end of book
Fresno Agricultural Works, Fresno, Cal.
Good Roads Machinery Co., Kennett Square, Pa.
Gowanda Agricultural Works (Grading), Gowanda, N. Y.
Gruendler Patent Crusher & Pulverizer Co., 982 N Main, St. Louis, Mo.
See adv index at end of book
Hackley P. B. Equipment Co. ("Rubottom", Reversible Combination Plow & Scraper), 625 Market, San Francisco, Cal.
Jeschke Edw. ("Cyclone Jr."), Bellevue, O.
Kilbourne & Jacobs Mfg. Co., Columbus, Ohio
Knapp Plow Co., Inc. ("Knapp"), San Jose, Cal.
Le Roy Plow Co., Le Roy, N. Y.
Lyle Culvert & Road Equipment Co. ("Lyle"), 171 27th av S E, Minneapolis, Minn.
Meyer Henry H. Co. (Dirs.), 110 S Howard, Baltimore, Md.
See adv index at end of book
Moline Plow Co., Moline, Ill.
Munnsville Plow Co. ("Hercules"), Munnsville, N. Y.
Oliver Chilled Plow Works, South Bend, Ind.
Phoenix Mfg. Co., Eau Claire, Wis.
Rock Island Plow Co., Rock Island, Ill.
Russell Grader Mfg. Co. (Road), 2005 Univ. av, S E, Minneapolis, Minn.
Shunk Plow Co., Bucyrus, O.
Sidney Steel Scraper Co. ("Sidney" All Steel Rooter), Sidney, O.
Slusser-McLean Scraper Co. ("Early Bird"), Sidney, O.
Smith & Sons Mfg. Co., Kansas City, Mo.
South Bend Chilled Plow Co., South Bend, Ind.
Stroud & Co., Omaha, Neb.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Thompson Plow & Engine Works, Beloit, Wis.
Vulcan Plow Co. (Road), Evansville, Ind.
Wensel L., 5210 Pacific blvd., Los Angeles, Cal.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.
Wiard Plow Co., Batavia, N. Y.
Woodhouse J. S. Co., 256 West, New York

11184— Plows (Corn)

De Shay D. H. (Arch Top Double), Elysburg, Pa.
La Crosse Plow Co., La Crosse, Wis.
Lean Roderick Mfg. Co. ("Roderick Lean" Riding & Walking), Mansfield, Ohio
Oliver Chilled Plow Works, South Bend, Ind.
Rock Island Plow Co. ("Climax"), Norfolk,

11185— Plows (Cotton)

Billups C Son & Co. ("Climax"), Norfolk, Va.

11186—Plows (Disc or Rotary)

Avery B. F. & Sons, Louisville, Ky.
Cal. Plow Co., 10H Polhenus, San Jose, Cal.
Chattanooga Implement & Mfg. Co., Office E. C., Chattanooga, Tenn.
Chattanooga Plow Co., Carter & Main, Chattanooga, Tenn.
Cutaway Harrow Co. (Disc Sulky), Higganum, Conn.
Deere John Plow Works, Moline, Ill.
Disc Grader & Plow Co., 400 N E Pierce, Minneapolis, Minn.
Emerson - Brantingham Co. ("E - B") Rockford. Ill.
Fresno Agricultural Works, L. & Tulare, Fresno, Cal.
Grand Detour Plow Co., Dixon, Ill.
Holt Mfg. Co. ("Caterpillar"), S Aurora, Stockton, Cal.
Knapp Plow Co., Inc. ("Knapp"), San Jose, Cal.
La Crosse Plow Co., La Crosse, Wis.
Moline Plow Co. (Rotary), Moline, Ill.
Oliver Chilled Plow Works, South Bend, Ind.
Racine-Sattley Co. ("Sattley," "Hancock Jr."), Springfield, Ill.
Rimple-Morgan Plow Co., San Jose, Cal.
Rock Island Plow Co., Rock Island, Ill.
South Bend Chilled Plow Co., South Bend, Ind.
Stroud & Co. (For Elevating Graders), Omaha, Neb.
Syracuse Chilled Plow Co., Syracuse, N. Y.

Plows (Ditching)

See Plows, Contractors'

11187— Plows (Gang)

Avery B. F. & Sons, Louisville, Ky.
Avery Co. ("Avery"), Peoria, Ill.
Bucher & Gibbs Plow Co., 800-36 2nd S E, Canton, O.
Collins Co., Collinsville, Conn.
Collins Plow Co., Quincy Ill.
Cutaway Harrow Co. (Disc), Higganum, Conn.
Deere & Co. (Disc), Moline, Ill.
Emerson - Brantingham Co. ("E - B") Orchard & Vineyard, Rockford, Ill.
Gale Mfg. Co. ("Gale"), Albion, Mich.
Grand Detour Plow Co., Dixon, Ill.
Greenville Implement Co. (Walking), Greenville, Mich.
Hapgood Plow Co., Alton, Ill.
Janesville Machine Co., Janesville, Wis.
Knapp Plow Co. Inc., San Jose, Cal.
La Crosse Plow Co., La Crosse, Wis.
Moline Plow Co. ("Little Dutchman" Engine, Moldboard & Disc), Moline, Ill.
Monmouth Plow Factory, Monmouth, Ill.
Moore Plow & Implement Co., Greenville, Mich.
Oliver Chilled Plow Works, South Bend, Ind.
Peppler Thomas, Son & Co., Hightstown, N. J.
Peru Plow & Wheel Co., Peru, Ill.
Racine-Sattley Co. ("Sattley," "Stawana" "Hummer"), Springfield, Ill.
Rockford Mfg. Co. ("Farm Queen," "Rockford"), Rockford, Ill.
Rock Island Plow Co. ("Rock Island"), Rock Island, Ill.
Rowell I. B. Co. (Riding & Walking), Waukesha, Wis.
Shaw H. C. Co. ("Stockton"), Stockton, Cal.
South Bend Chilled Plow Co. ("Casady," High Lift Tractor Plows, "New South Bend," "Captor" Horse & Power), South Bend, Ind.
Sparta Plow Works, Sparta, Ill.
Swanson Plow Co., Muskogee, Okla.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Wilder-Strong Implement Co., Monroe, Mich.

Plows (Gang, Steam)

See Plows, Gang, Traction Engine

11188—Plows (Gang, Traction Engine)

Advance Rumley Co. ("Rumley"), Madison & Lincoln Way, La Porte, Ind.
Avery Co. ("Avery"), Peoria, Ill.
Brooks John E., Aurora & Taylor, Stockton, Cal.
Case J. I. Threshing Machine Co. ("Case"), Racine, Wis.
Deere & Co., Moline, Ill.
Emerson-Brantingham Co. ("E.-B." Disc & Mold Board, Plain & Power Lift), Rockford, Ill.
Holt Mfg. Co. ("Caterpillar"), S Aurora, Stockton, Cal.
Knapp Plow Co. Inc., San Jose, Cal.
La Crosse Plow Co., La Crosse, Wis.
Moline Plow Co. ("Flying Dutchman"), Moline, Ill.
Oliver Chilled Plow Works, South Bend, Ind.
Peru Plow & Wheel Co., Peru, Ill.
Reschke Machine Works, Wichita, Kans.
Rimple-Morgan Plow Co., San Jose, Cal.
Shaw H. C. Co., 503 E Weber, Stockton, Cal.
Syracuse Chilled Plow Co., Syracuse, N. Y.

11189—Plows (Gang, Wheel)

Avery B. F. & Sons, Louisville, Ky.
Bucher & Gibbs Plow Co.,800-36 2nd S E, Canton, O.
Case J. I. Plow Works ("New Foot Lift" Medium & Heavy Duty Power Lift for Tractors), Racine, Wis.
Deere & Co., Moline, Ill.
Donaldson Bros., Mt. Clemens, Mich.
Hapgood Plow Co., Alton, Ill.
Janesville Machine Co., Janesville, Wis.
La Crosse Plow Co., La Crosse, Wis.
Moline Plow Co. ("Best Ever" & "Good Enough"), Moline, Ill.
Moore Plow & Implement Co., Greenville, Mich.
Oliver Chilled Plow Works, South Bend, Ind.
Racine-Sattley Co., Springfield, Ill.
Rock Island Plow Co., Rock Island, Ill.
Rowell I. B. Co., Waukesha, Wis.
Shaw H. C. Co. ("Stockton" Reversible), Stockton, Cal.
South Bend Chilled Plow Co. ("Captor," "New South Bend," "Casaday" Horse & Power), South Bend, Ind.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Wiard Plow Co., Batavia, N. Y.

11190-1-2—Plows (Garden)

Akron Cultivator Co., Akron, O.
Alexander Mfg. Co., Ames, Ia.
Allen S. L. & Co., 5th & Glenwood, Phila., Pa.
American Fork & Hoe Co., Swetland bldg, Cleveland, Ohio
Avery B. F. & Sons, Louisville, Ky.
Bacon Mfg. Co., Pontiac, Mich.
Bateman Mfg. Co. ("Iron Age"), Grenloch, N. J.
Bridgewater Plow Corp. ("Superior"), Bridgewater, Va.
Brinly Hardy Co., Louisville, Ky.
Brown Mfg. Co., Zanesville, O.
Burch Plow Works Co., Crestline, O.
Case J. I. Plow Works, Racine, Wis.
Crescent Forge & Shovel Co. (Wheel), Havana, Ill.
Deere & Co., Moline, Ill.
Dutton E. Q. & Co., Cato, N. Y.
Empire Plow Co., 3140 E 65th, Cleveland, O.
Gale Mfg. Co., Albion, Mich.
Greenville Implement Co., Greenville, Mich.
Harriman Mfg. Co., Harriman, Tenn.
Herschel R. Mfg. Co., Peoria, Ill.
Hobson & Co., Easton, Pa.
Knapp Plow Co. Inc., San Jose, Cal.
Leader Plow Co., Staunton, Va.
Lean Roderick Mfg Co. ("Roderick Lean"), Mansfield, O.
Madison Plow Co., Madison, Wis.
Moore Plow & Implement Co., Greenville, Mich.
Norcross C. S. & Sons, Bushnell, Ill.
Oliver Chilled Plow Works, South Bend Ind.
South Bend Chilled Plow Co., South Bend, Ind.
Southern Plow Co., Columbus, Ga.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Thornburgh Mfg. Co. ("Climax"), Bowling Green, O.

Towers & Sullivan Mfg. Co. ("Jewel," Safety"), Rome, Ga.
Whitaker Mfg. Co., 409 S Green, Chicago, Ill.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.
Wiard Plow Co., Batavia, N. Y.

11193— Plows (Grooving)

Sandusky Tool Co. (Panel Plows, Plow Arms, etc), Sandusky, O.

11194— Plows (Hop)

Adams S. & Son, Rome, N. Y.
Dutton E. Q. & Co., Cato, N. Y.
Gale Mfg. Co., Albion, Mich.
Gowanda Agricultural Works, Gowanda, N. Y.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.

11195— Plows (Ice)

Bodenstein J. G. & Co., Staatsburg, N. Y
Dernell H. F. Co., Athens, N. Y.
Gifford-Wood Co., Hudson, N. Y.
Gruman Ice Tool Works, Branchville, Conn.
Pray W. H. Clove, N. Y.
Woodhouse J. S. Co., 256 West, New York

11196— Plows (Locomotive)

Western Wheeled Scraper Co., Aurora, Ill

11197— Plows (Potato)

Brinly Hardy Co., Louisville, Ky.
Deere & Co., Moline, Ill.
Gale Mfg. Co., Albion, Mich.
Hartig W. F. Plow Co., Evansville, Ind.
La Crosse Plow Co., La Crosse, Wis.
Oliver Chilled Plow Works, South Bend, Ind.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.

Plows (Road)

See Plows, Contractors'

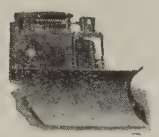
11198— Plows (Shovel)

Akron Cultivator & Mfg. Co., 3144 E 65th, Cleveland, O.
Avery B. F. & Sons (With Jumping Coulters), Louisville, Ky.
Belcher & Taylor Agrl. Tool Co., Chicopee Falls, Mass.
Blount Plow Works, 1128 E Illinois, Evansville, Ind.
Brinly Hardy Co., Louisville, Ky.
Bristol & Gale Co., 158 Carroll av, Chicago, Ill.
Brown-Manly Plow Co., Malta, O.
Brown Mfg. Co., Zanesville, O.
Bucher & Gibbs Plow Co., 800-36 2nd S E, Canton, O.
Burch Plow Works, Crestline, O.
Chattanooga Plow Co., Carter & Main, Chattanooga, Tenn.
Davidson-Dietrich Plow Co., 402 1st av, Evansville, Ind.
Donaldson Bros., Mount Clemens, Mich.
Dutton E. Q. & Co., Cato, N. Y.
Eddy W. Plow Co., Greenwich, N. Y.
Emerson - Brantingham Co. ("E. - B." Double Shovel), Rockford, Ill.
Empire Plow Co., 3140 E 65th, Cleveland, O.
Eureka Mower Co., 1005H Hickory, Utica, N. Y.
Everts Mfg. Co. Meridian, N. Y.
Farquhar A. B. Co. (Ltd.), York, Pa.
Fetzer & Co. ("Fetzer," "McSherry"), Springfield, Ill.
Gale Mfg. Co. ("New Era," "Gale," Single & Double Shovel, also Wing Shovel), Albion, Mich.
Gowanda Agricultural Works, Gowanda, N. Y.
Grand Detour Plow Co., Dixon, Ill.
Greenville Implement Co., Greenville, Mich
Hartig W. F. Plow Co., 2200 1st av, Evansville, Ind.
Hench & Dromgold Co. (Inc.), York, Pa.
La Crosse Plow Co. La Crosse, Wis.
Lean Roderick Mfg. Co. ("Roderick Lean") Mansfield, O.
Lehr Agricultural Co., Fremont, O.
Le Roy Plow Co., Le Roy, N. Y.
Moline Plow Co. (Single & Double), Moline, Ill.
Moore Plow & Implement Co., Greenville, Mich.
Munnsville Plow Co. (One, Two, Three & Five Shovel), Munnsville, N. Y.
Ohio Cultivator Co., Bellevue, O.
Oliver Chilled Plow Works, South Bend, Ind.
Peek's S. H. Sons, East Aurora, N. Y.
Rock Island Plow Co. (Single & Double), Rock Island, Ill.
Sargent, Osgood & Roundy Co., Randolph, Vt.
South Bend Chilled Plow Co. South Bend, Ind.
Southern Plow Co., Columbus, Ga.
Sparta Plow Works, Sparta, Ill.
Swanson-St. Joseph Plow Co. St. Joseph, Mo.
Syracuse Chilled Plow Co. (Blades & Wings of Steel), Syracuse, N. Y.
Vulcan Plow Co., Evansville Ind.
Woodhouse J. S. Co., 256 West, New York

11199— Plows (Snow)

See also Snow Brooms & Sweepers, Street Railway; also Street Railway Sweeping Machines

Am. Locomotive Co. (Rotary), 30 Church, New York
BAKER MFG. CO. (THE) ("Baker" for Trucks & Tractors), 555 Stanford av, Springfield, Ill.
See adv index at end of book

BAKER
Snow Plows
For Motor Trucks and Tractors

Send for our big catalog
THE BAKER MFG. CO.
555 Stanford Ave., SPRINGFIELD, ILL.

Bloomsburg Car Mfg. Co., Bloomsburg, Pa.
Bradley Osgood Car Co., West Boylston, Worcester, Mass.
Brill J. G. Co. ("Brill" Electric Ry), 62nd & Woodland av, Phila., Pa.
Dyar Supply Co. ("Wheeler"), 66 Broadway, Cambridge, Mass.
Grothe John J. (Electric Ry.), Woburn, Mass.
Holt Mfg. Co. ("Caterpillar"), S Aurora, Stockton, Cal.
Kalamazoo Railway Supply Co. ("Root" Scraper), Kalamazoo, Mich.
McGuire-Cummings Mfg. Co. (Street Railways), Harris Trust & Savings bldg, Chicago, Ill.
Q. & C. Co., 90 West, New York.
Russell Car & Snow Plow Co., Ridgway, Pa.
Russell Grader Mfg. Co. ("Russell" all Steel Sidewalk), 2005 Univ. av S E, Minneapolis, Minn.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Toy W. M. Co., 10 E Selby, Sidney, O.
Woodhouse J. S. Co. (Sidewalks), 256 West, New York

11200— Plows (Sub-Soil)

Avery B. F. & Sons, Louisville, Ky.
Blount Plow Works, 1128 E Illinois, Evansville, Ind.
Brinly Hardy Co., Louisville, Ky.
Bucher & Gibbs Plow Co., 800-36 2nd S E, Canton, O.
California Plow Co., 140H Polhenus, San Jose, Cal.
Chattanooga Plow Co., Carter & Main, Chattanooga, Tenn.
Deere & Co., Moline, Ill.
Grand Detour Plow Co., Dixon, Ill.
Hackley P. B. Equipment Co. ("Rubottom"), 625 Market, San Francisco, Cal.
Hall Jas. H. Plow Co., Maysville, Ky.
Killefer Mfg. Co. ("Killefer"), Box 270, Huntington Park Cal.
Knapp Plow Co., Inc. ("Knapp"), San Jose, Cal.
Madison Plow Co., Madison, Wis.
Moline Plow Co. (Walking), Moline, Ill.
Oliver Chilled Plow Works, South Bend, Ind.
South Bend Chilled Plow Co., South Bend, Ind.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Wiard Plow Co., Batavia, N. Y.

11201—Plows (Sulky, Reversible)

Belcher & Taylor Agrl. Tool Co., Chicopee Falls, Mass.
Chattanooga Plow Co., Carter & Main, Chattanooga, Tenn.
Cutaway Harrow Co. (Disc), Higganum, Conn.
Deere & Co., Moline, Ill.
Eddy W. Plow Co., Greenwich, N. Y.
Le Roy Plow Co., Le Roy, N. Y.
Oliver Chilled Plow Works, South Bend, Ind.
Racine-Sattley Co. ("Sattley"), Springfield, Ill.
Sargent, Osgood & Roundy Co., Randolph, Vt.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Wiard Plow Co., Batavia, N. Y.

11202-3—Plows (Sulky, Riding or Wheel)

Avery B. F. & Sons (Sulky, etc), Louisville, Ky.
Belcher & Taylor Agricultural Tool Co., Reversible Sulky), Chicopee Falls, Mass.
Blount Plow Works (Sulky), 1128 E Illinois, Evansville, Ind.
Brinly Hardy Co., Louisville, Ky.
Bucher & Gibbs Plow Co., 800-36 2nd S E, Canton, O.
Case J. I. Plow Works, (New Foot Lift "Harmer Boy," "Leader," "Two Way"), Racine, Wis.
Chattanooga Plow Co., Carter & Main, Chattanooga, Tenn.
Collins Plow Co., Quincy, Ill.
Deere John Plow Works, Moline, Ill.
Eddy W. Plow Co., Greenwich, N. Y.
Emerson - Brantingham Co. ("E. - B.") Rockford, Ill.
Gale Mfg. Co, Albion, Mich
Grand-Detour Plow Co., Dixon, Ill.
Hapgood Plow Co., Alton, Ill.
Hench & Dromgold Co. (Inc.), York, Pa.
Janesville Machine Co., Janesville, Wis.
La Crosse Plow Co., La Crosse, Wis.
Le Roy Plow Co., Le Roy, N. Y.
Luthy & Co., Peoria, Ill.
Madison Plow Co. ("New Eclipse"), Madison, Wis.
Moline Plow Co. ("Best Ever," "Good Enough"), Moline, Ill.
Monmouth Plow Factory, Monmouth, Ill.
Ohio Cultivator Co., Bellevue, O.
Oliver Chilled Plow Works, South Bend, Ind.
Peru Plow & Wheel Co., Peru, Ill.
Racine-Sattley Co. ("Sattley," "Hummer," "Royal," "New Way"), Springfield, Ill.
Rockford Mfg. Co. ("Farm King," "Rockford," "Rockford, Jr," "Rockford King"), Rockford, Ill.
Rock Island Plow Co. ("Rock Island"), Rock Island, Ill.
Rowell I. B. Co., Waukesha, Wis.
South Bend Chilled Plow Co. ("Pilot," "Casady" Foot Lift), South Bend, Ind.
Sparta Plow Works, Sparta, Ill.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Vulcan Plow Co. (Sulky), Evansville, Ind.
Wiard Plow Co., Batavia, N. Y.

11204—Plows (Swivel Reversible & Hillside)

Avery B. F. & Sons, Louisville, Ky.
Belcher & Taylor Agricultural Tool Co. ("Arlington"), Chicopee Falls, Mass
Brinly Hardy Co. (Hillside), Louisville, Ky.
Bucher & Gibbs Plow Co. (Hillside & Reversible), 800-36 2nd S E, Canton, O.
Columbia Plow Works, Copake Falls, N. Y.
Eddy W. Plow Co. (Hillside & Swivel), Greenwich, N. Y.
Emerson-Brantingham Co. ("E-B" Hillside), Rockford, Ill.
Gowanda Agricultural Works, Gowanda, N. Y.
Hackley P. B. Equipment Co. ("Rubottom"), 625 Market, San Francisco, Cal.
Hall J. H. Plow Co. (Hillside), Maysville, Ky.
Hench & Dromgold Co. (Inc.) (Hillside), York, Pa.
Knapp Plow Co., Inc., San Jose, Cal.
Leroy Plow Co. (Hillside & Flatland), Leroy, N. Y.
Moline Plow Co. ("Moline Two Way"), Moline, Ill.
Munnsville Plow Co., Munnsville, N. Y.
Oliver Chilled Plow Works, South Bend Ind.
South Bend Chilled Plow Co. (Reversible, Hillside, etc), South Bend, Ind.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Vulcan Plow Co. (Hillside), Evansville, Ind.
Wiard Plow Co. (Hillside), Batavia, N. Y.

11205— Plows (Traction)

Advance-Rumely Co. ("Rumely"), La Porte, Ind.
Deere John Plow Works, Moline, Ill.
Empire Plow Co., 3140 E 65th, Cleveland, Ohio
Grand Detour Plow Co., Dixon, Ill.
Holt Mfg. Co. ("Caterpillar"), S Aurora, Stockton, Cal.
International Harvester Co. ("McCormick-Deering," "P. & O."), Harvester bldg, Chicago, Ill.
Knapp Plow Co. Inc., San Jose, Cal.
Lawtor Tractor Co., St. Marys, O.
Oliver Chilled Plow Works (Disc & Mouldboard), South Bend, Ind.

Plows (Unloading)

See Ballast, Loaders & Unloaders

11206—Plows (Wheel Walking)

Collins Co., Collinsville, Conn.
Deere John Plow Works, Moline, Ill.
Emerson-Brantingham Co. ("E-B"), Rockford, Ill.
Hench & Dromgold Co. (Inc.), York, Pa.
International Harvester Co. ("McCormick-Deering," "P. & O." "Chattanooga"). Harvester bldg, Chicago, Ill.
Madison Plow Co., Madison, Wis.
Messinger Mfg. Co., Tatamy, Pa.
Mountville Mfg. Co., Mountville, Pa.
Racine-Sattley Co. ("Wonder"), Springfield, Ill.
Rock Island Plow Co., Rock Island, Ill.
Syracuse Chilled Plow Co. (Chilled), Syracuse, N. Y.
Wake Forest Fdry. Co., Wake Forest, N. C.
Wayne Agricultural Works, Goldsboro, N. C.

11206a— Plugs (Acid)

Duriron Casting Co., Dayton, O.
General Ceramic Co., 50 Church, New York
Knight-Maurice A, Akron, O.

11207-8—Plugs (Attachment)

Arrow Electric Co. ("Standard"), Hartford, Conn.
Benjamin Electric Mfg. Co. (Two-Way, with Rotary Sleeve, etc), 120 S Sangamon, Chicago, Ill.
BRYANT ELECTRIC CO., 1421 State, Bridgeport, Conn.
Chelten Electric Co., Stenton & Rockland, Phila., Pa.
Chicago Elec. Mfg. Co. (Auto Lamps), 2317H S Halsted, Chicago, Ill.
Connecticut Electric Mfg. Co., Bridgeport, Conn.
Crouse-Hinds Co., Syracuse, N. Y.
Cutler-Hammer Mfg. Co., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
Esler Electric Mfg. Co. ("Esler" Two-Way & "Jiffy" Double Duty), Marion, Ind.
Freeman E. H. Electric Co., Trenton, N. J.
Gleason James & Co. (One-Piece), 515 W Jackson blvd, Chicago, Ill.
Hart & Hegeman Mfg. Co. ("Pushin"), 342 Capital av, Hartford, Conn.
Hubbell Harvey Inc. ("Hubbell" Cartridge Fuse), Dept. H, Bridgeport, Conn.
Hyman Henry & Co. Inc. ("Best"), 476 B'way, New York
Magnus Electric Co., Inc. ("Add-On," "Magnus" Non-Separable & Separable), 451 Greenwich, New York
Manhattan Electric Supply Co., 17 Park pl, New York
Pass & Seymour ("P. & S."), Solvay, N. Y.
Perkins Electric Switch Mfg. Co., Bridgeport, Conn.
Peru Electric Co., Peru, Ind.
Richards Geo. & Co. ("Hemco Twin-Lite"), 557 W Monroe, Chicago, Ill.
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*
Trumbull Electric Mfg. Co., Plainville, Conn.
Union Electric Co., Trenton, N. J.
WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa.
See adv index at end of book

11209—Plugs (Bath & Basin)

American Pin Co. ("Ampinco"), Waterbury, Conn.
Bird-Archer Co. ("B.-A. Co."), 83 Rector, New York
Bridgeport Brass Co. (& Sink), Dept. H, E Main, Bridgeport, Conn.
Central Brass Mfg. Co., 6206 Cedar, Cleveland, O.
Detroit Sanitary Supply Co., 1191 2nd, Detroit, Mich.
Exeter Brass Works, Exeter, N. H.
Federal-Huber Co., 234 N Halsted, Chicago, Ill.
Frost Mfg. Co., Kenosha, Wis.
Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, O.
Hall Mfg. Co., Harrison, N. J.
Haydenville Co., Haydenville, Mass.
Hoffmann & Billings Mfg. Co., 100 2nd, Milwaukee, Wis.
Jenkins Mfg. Co. ("Rex"), Bloomfield, N. J.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
Murdock Mfg. & Supply Co., 426 Plum, Cincinnati, O.
Murphy Specialty Co., 90 2d, Milwaukee, Wis.
Park & McKay, 55 Bagley av, Detroit, Mich.
Peck Bros. & Co., New Haven, Conn.
Perkes, Chas. (Est. of), 627 Arch, Phila., Pa.
Richardson Edro Brass Co., 318 N Holliday, Baltimore, Md.
Schacht Rubber Mfg. Co. ("Daisy" Rubber), Huntington, Ind.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Stebbins E. Mfg. Co., 16 Belvidere, Springfield, Mass.
Sterling & Skinner Mfg. Co., 2672 E Gd. blvd, Detroit, Mich.
Street & Kent Mfg. Co., 549 Fulton, Chicago, Ill.
Trenton Brass & Machine Co., Trenton, N. J.
Union Metal Works, Chelsea, Mass.
Wise J. B. Inc., Watertown, N. Y.
Wolff Mfg. Co., 255 N Hoyne av Chicago, Ill.

11210-1— Plugs (Boiler Flue)

Bonney Forge & Tool Works, Telghman, Allentown, Pa.
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, O. *See adv index at end of book*
New Haven Screw Co. (Taper Boiler), 199 Foster, New Haven, Conn.
See adv index at end of book
Webb Elisha & Son Co. ("Handy"), 136 S Front, Phila., Pa.

11212— Plugs (Brass)

American Brass & Copper Co. (Basin Wash Tray, etc), 123 Lafayette, New York
American Injector Co., 173 14th av, Detroit, Mich.
Belfield H. Co., 435 N Broad, Phila., Pa.
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, O. *See adv index at end of book*
Detroit Screw Works, 348 Franklin, Detroit, Mich.
Exeter Brass Works, Exeter, N. H.
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
See adv index at end of book
Hoffmann & Billings Mfg. Co., 100 2nd, Milwaukee, Wis.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Kokomo Brass Works (Brass Cleanout), Kokomo, Ind.
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
See adv index at end of book
McDonald A. Y. Mfg. Co., Dubuque, Ia.
McRae & Roberts Co., 100 S Campbell av, Detroit, Mich.
Muller H. Mfg. Co. (Cleanout), Decatur, Ill.
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
Powell Wm. Co., 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Richardson Edro Brass Co., 318 N Holliday, Baltimore, Md.
Sherman H. B. Mfg. Co., Battle Creek, Mich.
Sterling & Skinner Mfg. Co., 2672 E Gd. blvd, Detroit, Mich.
Trenton Brass & Machine Co. ("Trenton" Wash Tray), Trenton, N. J.
Walworth Mfg. Co., Boston, Mass.
Williams D. T. Valve Co., Cincinnati, O.
Wolverine Brass Works, Grand Rapids, Mich.
Zeigler Mfg. Co., Alexandria, Ind.

11212a— *Plugs (Brush)

Bogert & Hopper Inc. (Wood), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

11212b—Plugs (Carriage Body)

Bogert & Hopper Inc. (Wood), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

11213— Plugs (Cast Iron)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Crane Co., 836 S Michigan av, Chicago, Ill. *See adv index at end of book*
Grinnell Co., 275 W Exchange, Providence, R. I.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
McNab & Harlin Mfg. Co., Paterson, N. J.
Newbury Mfg. Co., Monroe, N. Y.
Parker-Street Castings Co., P. O. Station D, Cleveland, O.
Pittsburgh Valve & Fittings Co., Frick bldg, Pittsburgh, Pa.
Sanitary Co., Dept. H, Linfield, Pa.
Walworth Mfg. Co., Boston, Mass.

11214—Plugs (Conduit Sealing)

American Wood Working Co., 4365 Wabansia av, Chicago, Ill.
Austin M. B. & Co. (Wood), 706 Jackson blvd, Chicago, Ill.
Bogert & Hopper Inc. (Wood), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons (Wood), 364 5th av, New York *See adv index at end of book*
Fralick & Co. S. R. ("Kwikon"), 15 S Clinton, Chicago, Ill.
Menasha Wood Split Pulley Co., Menasha, Wis.
Misener & Irving Mfg. Co., 812 E Genesee, Syracuse, N. Y.
Phila. Electrical & Mfg. Co. ("Phila."), 1236 N 31st, Phila., Pa.
Stiles H. A. & Co. (Wood), 166-174 Portland, Boston, Mass.
See adv index at end of book
Thomas & Betts, 63 Vesey, New York
Trumbull Elec. Mfg. Co., Woodford av, Plainville, Conn.
Wolf J. C. (Wood), Westville, N. J.

Plugs (Cooperage)

See Plugs, Wood

11214a— Plugs (Core Expansion)

Bogert & Hopper Inc. (Wood), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Hubbard Spring Works, Pontiac, Mich.
Laughlin Thos. Co., 135 Fore, Portland, Me.
See adv index at end of book
Nashua Spool & Bobbin Co. (White Pine), Haverhill Natl. Bank bldg, Haverhill, Mass.
Redlich Mfg. Co., 637-647 W Oak, Chicago, Ill.
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book

11214b— Plugs (Deck)

Nashua Spool & Bobbin Co. (White Pine), Haverhill Natl. Bank bldg, Haverhill, Mass.

11215— Plugs (Drift)

Bernz Co., Inc., Otto, 17 Ashland, Newark, N. J.
See adv index at end of book
Bogert & Hopper Inc. (Wood), 57 Barclay, New York
See adv index at end of book
Buffum Tool Co. ("Swastika," Plumbers' Wooden), South Side, Louisiana, Mo.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book

11216— *Plugs (Edi-Swan)

MORSE FRANK W. ("Morse" S. C. & D. C., also Foreign), 289 Congress, Boston, Mass. *See adv index at end of book*

11216a—Plugs (Fireworks)

BOGERT & HOPPER INC., 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book

Plugs (Electric Attachment)

See Plugs Attachment

11217—Plugs (Flush & Receptacle)

Adam Frank Electric Co., 904-14 Pine, St. Louis, Mo.
Arrow Electric Co. ("Midget," "Standard," "Combination"), Hartford, Conn.
BRYANT ELECTRIC CO. ("Chapman"), 1421 State, Bridgeport, Conn.
Central Electric Co., 316 S Wells, Chicago, Ill.
Chelten Electric Co., Stenton & Rockland, Phila., Pa.
Clancy J. R., Syracuse, N. Y.
Conduit Elec'l Mfg. Co., 1st & L, Boston Mass.
Crouse-Hinds Co., Syracuse, N. Y.
Cutter Electrical & Mfg. Co., Dept. H, 19th & Hamilton, Phila., Pa.
Dale Lighting Fixture Co., 107 W 13th New York
General Elec. Co., Schenectady, N. Y.
Gleason J. L. & Co., 241 Franklin, Boston, Mass.
HART MFG. CO. ("Diamond H"), 230 Hamilton, Hartford, Conn.
See adv index at end of book
Hart & Hegeman Mfg. Co. ("H. & H." & "Fielding"), 342 Capital av, Hartford, Conn.
Hatzell & Buehler ("H. & B."), 373 4th av, New York
Hubbell Harvey (Inc.), Bridgeport, Conn.
Irish W. F. Electric Supplies ("Shamrock," Floor), 130 W 32d, New York
Loeffelholz Co. ("Gibbs," for Cars), Milwaukee, Wis.
Magnus Electric Co., Inc. (Flush), 451 Greenwich, New York
Manhattan Electrical Supply Co. ("Mesco"), 17 Park pl, New York
Novelty Electric Co. (Fibre), 50 N 4th Phila., Pa.
Pringle Electrical Mfg. Co., 1906 N 6th, Phila., Pa.
Russell & Stoll Co., 17 Vandewater, New York
Steel City Electric Co. ("Campbell" Receptacle), 1207 Columbus av, Pittsburgh, Pa.
Trumbull Electric Mfg. Co., Plainville, Conn.

11217a— Plugs (Fuse)

Arrow Electric Co., Hartford, Conn.
BRYANT ELECTRIC CO. ("Pyrotite"), 1421 State, Bridgeport, Conn.
Bussman Mfg. Co., 3819 W 23d. St. Louis, Mo.
Chicago Fuse Mfg. Co., 1014 W Congress, Chicago, Ill.
D. & W. Fuse Co., Providence, R. I.
Daum A. F. ("Daum"), 1157 Hodgkins, Pittsburgh, Pa.
ECONOMY FUSE & MFG. CO., Greenview av at Diversey Park, Chicago, Ill.
See adv index at end of book
GENERAL ELECTRIC CO., Schnectady, N. Y.
See adv index at end of book
Hart & Hegeman Mfg. Co., 342 Capitol av, Hartford, Conn.
Killark Elec. Mfg. Co., 3940 Easton av, St. Louis, Mo.
Lewis A. L. Co. ("U-See-It"), Crane bldg, Canton, O.
Metropolitan Device Corp., 1250 Atlantic av., Brooklyn, N. Y.
Moss-Schury Mfg. Co., 446H E Woodbridge, Detroit, Mich.
Union Electric Co., Trenton, N. J.
Waterbury Button Corporation (Protex), 831 S Main, Waterbury, Conn.
See adv index at end of book

11217b—Plugs (Fuse Hole)

Bogert & Hopper Inc. (Hardwood), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Lestershire Spool Mfg. Co., Lestershire, N. Y.
Nashua Spool & Bobbin Co. (Maple), Grove Hall Sta., Boston, Mass.
Stevenson Mfg. Co. (Wood, Threaded & Plain), South Bend, Ind.
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book

11218— Plugs (Fusible)

Am. Injector Co., 1463 14th av, Detroit, Mich.
American Safety Lamp & Mine Supply Co., 1327 Capouse av, Scranton, Pa.
Belknap Mfg. Co., 800 Union av, Bridgeport, Conn.
Boston Brass Co. ("Massachusetts Standard" also Short Pattern), 135 Bacon, Waltham, Mass.
BUCKEYE IRON & BRASS WORKS, 322 E 3rd, Dayton, O.
See adv index at end of book
Chicago Fuse Mfg. Co. ("Chicago"), Laflin & 15th, Chicago, Ill.
See adv index at end of book
Crane Co., 836 S Michigan av, Chicago, Ill. *See adv index at end of book*
Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
Detroit Lubricator Co. ("Detroit," "Genuine Detroit"), 5933 Trumbull, Detroit, Mich.
Duluth Brass Works, Duluth, Minn.
Exeter Brass Works, Exeter, N. H.
Farnan Brass Works Co., 1105 Center, Cleveland, O.
Fewlass-Leen Brass & Iron Co., 610 E Front, Cincinnati, O.
Garratt, W. T. & Co., 299 Fremont, San Francisco, Cal.
Glasgow Iron Works & Supply Co. ("Phillips"), 28 West, New York
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
Haydenville Co., Haydenville, Mass.
Hills-McCanna Co. (Boiler & Marine), 2025 Elston av, Chicago, Ill.
Hoffman B. Mfg. Co., 257 6th, Milwaukee, Wis.
Ingersoll-Rand Co. (Signal), 11 B'way, New York *See adv index at end of book*
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Kinsey & Mahler Co., Peoria, Ill.
LUNKENHEIMER CO., Executive Offices & Factories; Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McNab & Harlin Mfg. Co., Paterson, N. J.
McRae & Roberts Co., 109 S Campbell av, Detroit, Mich.
National Supply Co., Toledo, O.
Ohio Injector Co., Wadsworth, O.
Powell Wm. Co., 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Sherman H. B. Mfg. Co., Battle Creek, Mich.
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.
Tranter Mfg. Co., 105 Water, Pittsb'gh, Pa.
Van Duzen E. W. Co., 428 E 2d, Cincinnati, O.
Walworth Mfg. Co. (Fusible Boiler), Boston, Mass.

11219—Plugs (Gas & Water Main)

Behringer Edw. A. Inc. (Rubber Service), 98 Park Row, New York
Kemp C. M. Mfg. Co. ("Climax"), 405 E Oliver, Baltimore, Md.
Norwood Engineering Co. ("Streeter"), Florence, Mass.

11220— Plugs (Indicator)

Buckeye Iron & Brass Works, Dayton, O.

11221-2—Plugs (Laundry Tray)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Andrews Thos. G. & Co., 30-32 Wendell, Boston, Mass.
Central Brass Mfg. Co., 6206 Cedar av, Cleveland, O.
Dearborn Brass Co., Cedar Rapids, Iowa
Empire Brass Mfg. Co., 10301 Berea rd, Cleveland, O.
Exeter Brass Works, Exeter, N. H.
Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
Haydenville Co., Haydenville, Mass.
Motor Products Corp., Mack av & Outer Belt Line, Detroit, Mich.
Salem Brass & Iron Mfg. Co., Salem, N. J.
Trenton Brass & Machine Co., Trenton, N. J.
Union Metal Works, Chelsea, Mass.
Weiverine Brass Works, Grand Rapids, Mich.

11223-4— Plugs (Nailing)

American Steel Band Co., 338 Progress, Pittsburgh, Pa.

11225— Plugs (Paper Roll)

See also Plugs, Wood

BOGERT & HOOPER INC (Wood), 57 Barclay, New York
See adv index at end of book
Boltz B. F. Mfg. Co., Winchester, Ind.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Menasha Wood Split Pulley Co., Menasha, Wis.
Munsing Woodenware Co. (For Counter Rolls), Piqua, Ohio
Nashua Spool & Bobbin Co., Haverhill National Bank bldg, Haverhill, Mass.
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

11226— Plugs (Pipe)

Allen Mfg. Co., 133 Sheldon, Hartford, Conn. *See adv index at end of book*
ALLEN W. D. MFG. CO., 201-211 N Jefferson, Chicago, Ill.
See adv index at end of book


W. D. ALLEN MFG. CO.
Manufacturers of
PIPE PLUGS
Send Specifications to Dept. R.
201-211 North Jefferson Street
CHICAGO

Casey-Hedges Co. ("Chattanoogan"), 25th & Chestnut, Chattanooga, Tenn.
Detroit Brass & Malleable Works (Cast & Malleable Iron), 1117 Holden, Detroit, Mich.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
LUNKENHEIMER CO., Excutive Offices & Factories: Beekman & Waverley, Cincinnati, Ohio
See adv index at end of book
NEW HAVEN SCREW CO., 199 Foster, New Haven, Conn.
See adv index at end of book
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book
Townsend Co., New Brighton, Pa.
See adv index at end of book
Walworth Mfg. Co., 323 Pearl, Boston, Mass.

11226a—Plugs (Plumbers Sand)

Bogert & Hopper Inc. (Wood), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

11227— Plugs (Radiator)

Detroit Screw Works, 348 Franklin, Detroit, Mich.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Walworth Mfg. Co., 32H Pearl, Boston, Mass.

11228—Plugs (Roll Turners')

Tinker P. & Sons Co., 5637 Butler, Pittsburgh, Pa.

11229-30—Plugs (Seamless Tube Rolling)

Pittsburgh Iron & Steel Foundries Co., H. Oliver bldg, Pittsburgh, Pa.

11231—Plugs (Smoke Testing)

Blake Specialty Co., Rock Island, Ill.
Kemp C. M. Mfg. Co. ("Climax"), 405 E Oliver, Baltimore, Md

11232—Plugs (Soil Pipe Testing)

Blake Specialty Co., Rock Island, Ill.
Garrison Brass & Machine Wks., 107 W 13th, New York
Hessler H E. Co. ("Star"), Syracuse, N. Y.
Illinois Malleable Iron Co., 1801 Diversey blvd, Chicago, Ill.
See adv index at end of book
Kemp C. M. Mfg. Co. ("Climax"), 405 E Oliver, Baltimore, Md.
Mechanicsville Specialty Supply Co., Mechanicsville, N. Y.
Metropolitan Device Corp., 1250 Atlantic av, Brooklyn, N. Y.
Sanitary Co., Dept. H, Linfield, Pa.
Smith A. P. Mfg. Co., East Orange, N. J.
Walworth Mfg. Co., Boston, Mass.
Wolverine Brass Works, Grand Rapids, Mich.

11233— Plugs (Spark)

Air-Friction Carburetor Co., Dayton, O.
Akar Ignition Co. ("Akar"), 149 W Berkley av, Phila., Pa.
Atlas Railway Supply Co. ("F. I. R. O. L."), 431 S Dearborn, Chicago, Ill.
Auburn Ignition Mfg. Co. ("Electric," "Auburn No. 2" Porcelain, "Cayuga" Mica), Auburn, N. Y.
Automobile Equipment Co. ("L. X. V."), 330 E Congress, Detroit, Mich.
Axwell Equipment Co. ("Axwell"), 208 Wood, Pittsburgh, Pa.
Beckley-Ralston Co. (Dirs.), 1301 S Michigan av, Chicago, Ill.
Belvidere Screw & Machine Co., Belvidere, Ill.
Benford Auto Products Inc. ("Golden Giant"), Mt. Vernon, N. Y.
Benton L. F. Co., Vergennes, Vt.
Bosch Magneto Service, 250 W 54th, New York
Bradley C. E. Motor Co., 268 Diamond, Phila, Pa.
Brockett-Gorham Co. ("Bro-Gar"), Marion, Ohio
Brown Bag Filling Machine Co. ("B. B."), Fitchburg, Mass.
Brown Co. ("Brown" Quick Detachable), Syracuse, N. Y.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Byrne Kingston Co. ("Kingston,")' Kokomo, Ind.
Day Geo. F. ("Day"), 21 Haverhill, Boston, Mass.
Dow Mfg. Co., Braintree, Mass.
Eclipse Mfg. Co. ("Hercules"), 424 Meridian, Indianapolis, Ind.
Express Spark Plug Co., 1367 Pennsylvania, Washington, D. C.
F. A. B. Mfg. Co., 1856 7th, Oakland, Cal.
Fan Flame Spark Plug Co., Yonkers, N. Y.
Faw I. H. Inc. ("Fawsco"), 27 Warren, New York
Fulton Co., 742 75th av, Milwaukee, Wis.
Geer Harry R. Co., 858 McLaren av, St. Louis, Mo.
Guarantee Tire & Rubber Co. ("Long Distance," "Hot Spark"), 211 S Illinois, Indianapolis, Ind.
Hampshire Mfg. Co. ("Wizard," "Rival"), Hatfield, Mass.
Hartford Machine Screw Co. ("Master," "H. M. S. Bull Dog"), Hartford, Conn.
Heinze Electric Co. ("Heinze," "Heco"), Lowell, Mass.
Janesville Products Co., Janesville, Wis.
Jefferson Electric Mfg. Co., 426 S Green, Chicago, Ill.
K-W Ignition Co. ("Hot Shot," "Vim"), Chester av & E 30th, Cleveland, O.
Kokomo Electric Co. ("Kingston"), Kokomo, Ind.
Legnard A B Co., Waukegan, Ill.
Leich Elect. Co., Genoa, Ill.
Lemke Electric Co. (Mica & Porcelain), 509 Cedar, Milwaukee, Wis.
Lockwood Ash Motor Co. ("Never-Miss," "Sterling"), Jackson, Mich.
Long Bros. ("Leader," "Ramble"), Kokomo, Ind.
Long Distance Spark Plug Co. ("Long Distance," A Size & Style for Every Motor), Birmingham, Ala.
Louisville Auto Supply Co. ("Lasco"), Louisville, Ky.
Manhattan Electrical Supply Co. ("Mesco"), 17 Park pl, New York
Michigan Motor Specialties Co. ("Becco"), 26 Dubois, Detroit, Mich.
Miller Mfg. Co., Peekskill, N. Y.
Milwaukee Auto Specialty Co. ("Centerfire," "Victor"), 711 Chestnut, Milwaukee, Wis.
Morgan Mfg. Co., Inc. ("Morgan"), Keene, N. H.
Mosler A. R. & Co. ("Spit-Fire," "Triumph," "Breech-Block," "Vesuvius," "Beat-M-All Ramrod"), Mt. Vernon, N. Y.
Motor Car Supply Co. ("M. C. S."), 1453 Michigan av, Chicago, Ill.
New York Mica & Mfg. Co. ("Wright" Mica "Auburn"), Auburn, N. Y.
Oakes & Dow Co. ("Comet," "Sootless"), 311 Atlantic av, Boston, Mass.
Pettingell-Andrews Co. ("O. K"), 511 Atlantic, Boston, Mass.
Post & Lester Co. ("E. I. C."), 112 Allyn, Hartford, Conn.
Rajah Auto Supply Co., Bloomfield, N. J.
Randall-Faichney Co. ("Mac-Kas Blitz"), Boston, Mass.
Reflex Ignition Co. ("Reflex," "Lightning," "Arrow," "Baby," "Kid"), 3066 W 106th, Cleveland, O.
Rex Ignition Mfg. Co. ("Rex"), 250 W 54th, New York
Rosen A. W & Co., 610 B'way, New York
Schug Elect. Mfg. Co., 253 E. Larned, Detroit, Mich.
Sharp Spark Plug Co. ("Sharp Spark," "Fire Fly"), C. A. C. bldg, Cleveland, Ohio
Splitdorf Electrical Co., (Green Jacket), 98 Warren, Newark, N. J.
Stitt Ignition Co., 16 E First, Columbus, O.
Stonebridge C. H. Mfg. Co. (Lock Valve), 38 Warren, New York
Superior Motor Power Co. ("Su-Dig" Two Plug Ignition, "Twin-Tact" Double Plug), 75 Spring, New York
Szel Import & Export Co. ("Anchor"), 893 B'way, New York
Tungsten Mfg. Co. ("Tungsten"), Marshalltown, Ia.
Utility Co. ("Utility" & "Uko"), 630 W 44th, New York
Vital Mfg. Co. ("Vital," "Leader"), Cleveland, O.

(Continued on following page)

Plugs (Spark)—Continued

Washington Auto Supply Co. ("Washington" & "Wasco"), Washington, Ill.
Wells, R. C. Mfg. Co., Fon-du-lac, Wis.
Wesco Supply Co., 7th & Clark av, St. Louis, Mo.
Williams E. Q., Syracuse, N. Y.
Wollo Ignition Products Co. ("Wollo"), 3328 Olive, St. Louis, Mo.

11234—Plugs (Stage & Receptacle)

Adam Frank Electric Co., 904-14 Pine, St. Louis, Mo.
Bryant Elec. Co., 1421 State, Bridgeport, Conn.
Central Electric Co. ("Ralco" Receptacles), 302 S 5th av, Chicago, Ill.
Chicago Electric Mfg. Co. ("Handy"), 2817 S Halsted, Chicago, Ill.
Clancy J. R., Syracuse, N. Y.
Condit Electrical Mfg. Co., ("Cushing" Sole Selling Agents for Chase-Shawmut Co.), 1st & L, Boston, Mass.
Drendell Electrical & Mfg. Co., 1345 Howard, San Francisco, Cal.
Electric Apparatus Co., 704 N Halsted, Chicago, Ill.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Magnus Electric Co., Inc., 451 Greenwich, New York
Manhattan Electrical Supply Co., 17 Park pl, New York
Russell & Stoll Co., 17 Vandewater, New York
Stanley & Patterson ("Fielding"), 23 Murray, New York
UNIVERSAL ELECTRIC STAGE LIGHTING CO., INC. (KLIEGL BROS.), ("Kliegl"), 321 W 50th, New York

11235—Plugs ("Standard" Separable, Swivel & Non-Separable)

GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book

11235a—Plugs (Steel Barrel)

Kennedy-Reiter Mfg. Co., Niles, Ohio
Warren Tool & Forge Co., 145 Griswold, Warren, Ohio


PLUGS for Steel Barrels
The Warren Tool & Forge Co.
145 Griswold Street, WARREN, OHIO

11235b—Plugs (Still, Cast & Forged)

(Names with * also manufacture Monel Metal)
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Pacific Foundry Co., Harrison & 18th, San Francisco, Cal.
*Power Specialty Co., 111 Broadway, New York
*Sholes, Inc., 186 Lafayette, New York
*Steel Improvement & Forge Co., Cleveland, O.

11236— *Plugs (Switch)

DELAWARE HARD FIBRE CO. (Fibre, Electric), Wilmington, Del.
See adv index at end of book
Diamond State Fibre Co., Dept. 37, Bridgeport, Pa.
See adv index at end of book
Magnus Electric Co., Inc. ("Plugall" Heater Cord), 451 Greenwich, New York

11237— Plugs (Tap)

Ruggles Horace F., 80 South, New York
Wolverine Brass Works ("Wolverine"), Grand Rapids, Mich.

11237a—Plugs (Telephone)

Adams Morgan Co., Upper Montclair, N. J.
Air-Way Elec. Appliance Corp., 618 B'way, Toledo, O.
Ajax Electric Co., Ajax bldg, St. Louis, Mo.
Albert & J. M. Anderson Mfg. Co. ("Anderson"), 289 A, Boston, Mass.
Am. Electric Co., 6401 S State, Chicago
Am. Radio & Research Corp., 203 College, Medford Hillside, Mass.
Auth Electrical Specialty Co., 422 E 53d, New York
Barnes The Wallace Co., Bristol, Conn.
See adv index at end of book
CARTER RADIO CO., 209 S State, Chicago
Chapman Machine Corp., Terryville, Conn.
See adv index at end of book
Colburn Gear & Mfg. Co., 1 Woodworth, Dorchester, Boston 22, Mass.
Conn. Tel. & Elec. Co., Meriden, Conn.
Corwin A. H. & Co., 4 W Park, Newark, N. J.
Federal Tel. & Tel. Co. ("Federal"), 1738 Elmwood, Buffalo, N. Y.
Freed-Eisemann Radio Corp. ("F-E"), Sperry bldg, Brooklyn, N. Y.
Frost Herbert H. ("Frost Radio"), 15H Lake, Chicago, Ill.
HOWARD RADIO CO. INC., 451-469 E Ohio, Chicago
See adv index at end of book
Kellogg Switchboard & Supply Co., 1066 W Adams, Chicago, Ill.
Kilbourne & Clark Mfg. Co. ("K. & C."), 101 Spokane, Seattle, Wash.
Magnus Electric Co., Inc., 451 Greenwich, New York
Pacent Elec. Co. ("Universal"), 22 Park pl, New York
Radio Specialty Co., 96 Park pl, New York
Rhamstine J. Thos., 2152 E Larned, Detroit, Mich.
Ship Owners Radio Service (Dirs.), 80 Washington, New York
Stanley Patterson ("De Veau"), West & Hubert, New York
STROMBERG CARLSON TEL. MFG. CO., 1050 University av, Rochester, N. Y.
Turney Eugene T. Laboratories ("Turney"), 351 6th av, Newark, N. J.
WATERBURY BUTTON CORP. (Radio), 831 S Main, Waterbury, Conn.
See adv index at end of book
Western Elec. Co., 195 B'way, New York
Wilcox Laboratories, 2208 E Michigan av, Lansing, Mich.
Wireless Improvement Co., 66 York, Jersey City, N. J.

11238— Plugs (Test)

Norwood Engineering Co. ("Streeter"), Florence, Mass.

11239— Plugs (Tie)

Bogert & Hopper Inc. (Wood), 57 Barclay, New York
See adv index at end of book
ESTES E B. & SONS, 364 5th av, New York *See adv index at end of book*
Goldie Wm. Jr., Bay City, Mich.

11239a—Plugs—Transit (for Shrapnel)

Bogert & Hopper Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

11239b—Plugs (Varnish Can)

BOGERT & HOPPER INC., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book

11240-1— Plugs (Wall)

American Steel Band Co., 886 Progress, Pittsburgh, Pa.
Am. 3-Way Prism Co. (Metal), Cicero, Ill.
Bostwick Steel Lath Co. ("Bostwick" Galvanized), Niles, O.
Church Appliance Mfg. Co. ("Boss"), La Salle, Ill.
Donley Bros. Co. (The), 3625 E 34th, Cleveland, O.
See adv index at end of book
Dowman-Dozier Mfg. Co., Atlanta, Ga.
Hastings Foundry & Iron Works, Hastings, Neb.
Hubbell Harvey (Inc.), Bridgeport, Conn.
Menasha Wood Split Pulley Co., Menasha, Wis.
Merwin Mfg. Co., "Yankee" (Galvanized), Erie, Pa.
Niagara Falls Metal Stamping Works (Galvanized), Niagara Falls, N. Y.
Prescott J. B. & Son ("Rutty" Metal), Webster, Mass.
Wicks M. O. Mfg. Co., Glen Cove, N. Y.

11242— Plugs (Wooden)

See also Bungs, Barrel
Bachelder A. & Co., 234 Mt. Vernon, Lowell, Mass.
BOGERT & HOPPER INC. (For various purposes), 57 Barclay, New York
See adv index at end of book
Boltz B. F. Mfg. Co., Winchester, Ind.
Central City Bung Co., Huntington, W. Va.

Paper Plugs
Varnish Can Plugs
Spools or Cores for Adding Machine Paper
Bungs, all kinds of Lathe Turnings
MANUFACTURED BY
E. B. ESTES & SONS
364 Fifth Avenue New York
"World's Largest Woodturners"—Estab. 1847

ESTES E. B. & SONS (Fluing, Carriage Body, Conduit, Deck, Drift, Oval, Paper Roll, Plumbers' Sand, Tile, Varnish, Can., etc.), 364 5th av, New
See adv index at end of book
Nashua Spool & Bobbin Co. (Paper Rolls, up to 5 in. in diam., Deck, etc.), Grove Hall Station, Boston, Mass.
Peirce W. E. & Co., Milford, N. H.
Peters' Jno. M. Sons, Bleecker, N. Y.
Redlich Mfg. Co. (All Kinds), 637 W Oak, Chicago, Ill.
Rowe Henry Mfg. Co., Newaygo, Mich.
Russ Co., 5700 Walworth av, Cleveland, O.
Sommer Jno. Faucet Co., 30 Morris av, Newark, N. J.
South Bend Dowel Co., South Bend, Ind.
See adv index at end of book
Standard Turning Works, Cambridge, Mass.
STEVENSON MFG. CO., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co. (For Various Purposes), 166-174 Portland, Boston, Mass.
See adv index at end of book
U. S. Bung Mfg. Co., 48 S 2d, Brooklyn. N. Y.

11243— Plugs & Feathers

Auer John, Jr. (Steel, Stone Hoisting) 197 Middleton, Brooklyn, N. Y.
Channon Jas. H. Mfg. Co. (Stone Hoisting, etc.), 227 W Erie, Chicago, Ill.

11244—Plugs & Patches (Tire Repair)

See also Cement
Anderson Rubber Works, Anderson ,Ind.
Braender Rubber & Tire Co. (Cementless), Rutherford, N. J.
Continental Rubber Works ("Vitalic"), 19th & Liberty, Erie, Pa.
Durkee-Atwood Co., 40 Wilder, Minneapolis, Minn.
Empire Tire & Rubber Corp., Trenton, N. J.
Firestone Tire & Rubber Co. ("Firestone"), Akron, O.
Fisher Mfg. Co. ("Fisher"), Lincoln, Neb.
Goodrich B. F. Co., Akron, O.
Goodyear Tire & Rubber Co., Akron, O.
Keystone Rubber Mfg. Co. (Rubber, no Cement), Erie, Pa.
Locktite Patch Co. ("Locktite"), 4196 Bellevue, Detroit, Mich.
Michelin Tire Co. (Patches and Sleeves for Repairing Automobile Tires & Inner Tubes), Milltown, N. J.
Morgan & Wright, 6600 E Jefferson, Detroit, Mich.
Parker-Stearns & Co. ("Alpha"), 286 Sheffield av, Brooklyn, N. Y.
Perfection Tire & Rubber Co., Fort Madison, Iowa
Wood W. C. Co. ("Wood"), 528 University av S E, Minneapolis, Minn.

11244a—Plugs & Receptacles (Battery Charging)

Anderson Albert & J. M. Mfg. Co. ("Anderson," For Electric Vehicle & Railway Coaches, Power Circuit Connections A. C. & D. C.), 289A, Boston, Mass.
Consolidated Car Heating Co., Albany, N. Y.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

11245— Plumb Bobs

Bergman Tool Mfg. Co. (Steel, Hexagon & Round), Buffalo, N. Y.
Braunsdorf-Miller Co., Elizabeth, N. J.
Brown & Sharpe Mfg. Co. ("Mercury"), Providence, R. I.
Chapin-Stephens Co., Pine Meadow, Conn.
Crescent Tool Mfg. Co. (Lead), 1002 Cass av, St. Louis, Mo.
Dikeman Mfg. Co. ("Cant-Roll"), Norwalk, Conn.
Fuerst Bros. & Co. (Imp), 3 Stone, New York
Goodell-Pratt Co., Greenfield, Mass.
Huebel Mfg. Co. (Bronze), 103 Monroe, Newark, N. J.
Jennings C. E. & Co., 71 Murray, New York
Keuffel & Esser Co., Hoboken, N. J.
Lamp & Miller Mfg. Co., 332 44th, Milwaukee, Wis.
Leistner Paul Sons Mfg. Co. (Common Sense & Reversible), St. Charles, Mo.
Peck, Stow & Wilcox Co., Southington, Conn.
Reading Hardware Co., Reading, Pa.
Ridgely-Trimmer Co., Springfield, O.
Sargent & Co. (Brass, Lead, Wired, Iron, Adjustable Top), Water & Walce, New Haven, Conn.
Stanley Rule & Level Co. (Adjustable), New Britain, Conn.
Starrett L. S. Co. (Mercury Steel), Athol, Mass.
Union Hardware Co., Torrington, Conn.

Welch T. F. Co., 55 Sudbury, Boston, Mass.
Wrightsville Hardware Co., Wrightsville, Pa.

11246-7-8— Plumbago

Buckeye Products Co., Inc. ("Buckeye"), 915-917 W 5th, Cincinnati, O.
See adv index at end of book
Dixon Joseph Crucible Co. ("Dixon's"), Jersey City, N. J.
Doggett Stanley Inc., 11 Cliff, New York
Federal Foundry Supply Co., 2639 E 79th, Cleveland, O.
Frost F. W. & Co. Inc. (Imp.), 56 Beaver, New York
Fuerst Bros. & Co. (Imp), 2 Stone, New York
Gross Otto (Imp), 66 Beaver, New York
HILL & GRIFFITH CO., 1248 State av, Cincinnati, O.
See adv index at end of book
Ilsley Doubleday & Co., 229 Front, New York
Kelly T. P. & Co. (Inc.), (Imp. "Ceylon"), 355 W 26th, New York
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
McCormick J. S. Co. ("Extra Ceylon" & "Colomobo"), 25th & A. V. R. R. Pittsburgh, Pa.
McCullough-Dalzell Crucible Co., 36th & A. V. R. R., Pittsburgh, Pa.
Midvale Mining & Mfg. Co., Central Natl. Bank bldg, St. Louis, Mo.
Obermayer S. Co., 2563 W 18th, Chicago, Ill.
Paterson-Boardman & Knapp, 10 Bridge, New York
PETTINOS CHAS. (Refiners & Grinders), 25 Church, New York
Salomon L. A. & Bro., 216 Pearl, New York
Smith Facing & Supply Co. ("Corona"), 1857 Carter rd, Cleveland, O.
Springfield Facing Co., 315 Main, Springfield, Mass.
See adv index at end of book
Stevens Frederic B., Inc. (East India Flake), 3rd & Larned, Detroit, Mich.
See adv index at end of book
Taunton Crucible Wks. (Pure Ceylon Graphite for Stove Dealers' Use), Taunton, Mass.
Tennant C. Sons & Co. of N. Y. (Imp.), 19 W 44th, New York
United States Graphite Co., Saginaw, Mich.
Woodison E. J. Co. (Ceylon & East India), 1621 St. Aubin, Detroit, Mich.

11249—Plumbers' Charts & Estimate Books

Starbuck R. M. & Sons, Hartford, Conn.

11250—Plumbers' Marble Work

See also Marble Interior Work

Bradbury Marble Co., 4165 Duncar, St. Louis, Mo.
Butler Philip H. & Co., 197 B S Boston, Mass.
Cascio S., 1259 Flushing av, Brooklyn, N. Y.
Christie Marble Co., 1625 St. Aubin, Detroit, Mich.
Clow James B. & Sons, Franklin & Harrison, Chicago, Ill.
Eschmann B. & J., 268 47th, Brooklyn, N. Y.
Evans Marble Co., Ranstead Wharf, Baltimore, Md.
Fair Haven & Marbleized Slate Co., Fair Haven, Vt.
George Marble Co. ("Cherokee," "Creole," "Etowah," "Amicalola," "Spring White," "White Southern"), Tate, Ga.
Georgia Marble Finishing Works, Canton, Ga.
Hilgartner Marble Co., 223 N Charles, Baltimore, Md.
Jacoby & Son Co., 2025 Market, Phila., Pa.
Klaber A. & Son, 211 Vernon av, Long Island City, N. Y.
McGratty & Sons, 313 Butler, Brooklyn, N. Y.
McLaury Marble & Tile Corp., 881 E 141st, New York
Marthens Chester N., Marble Co., W 53d & Wallace, Chicago, Ill.
Northwestern Marble & Tile Co., 27th av S & 27th, Minneapolis, Minn.
Peoria Stone & Marble Works, Peoria, Ill.
Pickel Marble & Granite Co., 1901 N B'way, St. Louis, Mo.
Savannah Supply Co., Jacksonville, Fla.
Speakman Co., Wilmington, Del.
Standard Marble Works (John M. Mueller, Jr., Prop.), 706 W Front, Cincinnati, O.
Troy Bros. & Co., 975 Mass av, Rox., Boston, Mass.
Vermont Marble Co., Proctor, Vt.

Plumbers' Porcelain Ware Mfrs.

See Bath Tubs, Porcelain

11251—Plumbers' Rubber Goods

See also Rubber Manufacturers

Akron Rubber Mold & Machine Co., Akron, Ohio
Anderson Rubber Works (Valve Seats & Cups), Anderson, Ind.
B. B. Specialty Co., 441H Liberty av, Pittsburgh, Pa.
Canfield H. O. Co., 191 Housatonic av, Bridgeport, Conn.
Canfield Rubber Co. ("Redtex," "Blackrock"), 708 Railroad, Bridgeport, Conn.
Cigol-Behrens Rubber Co., Lodi, N. J.
Consolidated Rubber Co., Trenton, N. J.
Elkhart Rubber Works, Elkhart, Ind.
Empire Tire & Rubber Corp., Trenton, N. J.
Essex Rubber Co., Trenton, N. J.
Goodrich B. F. Co., Akron, O.
Hamilton Rubber Mfg. Co., Trenton, N. J.
Indiana Rubber & Insulated Wire Co., P. O. Box 192, Jonesboro, Ind.
Manhattan Rubber Mfg. Co., Passaic, N. J.
New York Belting & Packing Co., 91 Chambers, New York
Pennsylvania Rubber Co., Jeannette, Pa.
Republic Rubber Co., Youngstown, O.
Revere Rubber Co., Chelsea, Mass.
Robinson Plumbing Supply Co. (Jobber), St. Paul, Minn.
Schacht Rubber Mfg. Co., Huntington, Ind.
U. S. RUBBER CO., 1790 B'way, New York
See adv index at end of book
Western Rubber Co., Goshen, Ind.

11252-3—Plumbers' Sanitary Earthenware Mfrs.

Abingdon Sanitary Mfg. Co., Abingdon, Ill.
Acme Sanitary Pottery Co., Trenton, N. J.
American Sanitary Works ("B. O. T."), Washington, N. J.
Bellmark Co., Trenton, N. J.
Bowers Pottery Co., Mannington, W. Va.
Buffalo Wash Tray Works (Enameled Concrete Toilet Tanks), 601 Tonawanda, Buffalo, N. Y.
Camden Pottery Co., Camden, N. J.
Cochran, Drugan & Co., Trenton, N. J.
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Douglas John Co., Poplar & Baymiller, Cincinnati, O.
Ebinger D. A. Sanitary Mfg. Co. ("Ebco"), 181 Lucas, Columbus, O.
Economy Pottery Co., Trenton, N. J.
Elite Pottery Co., Trenton, N. J.
Eljer Co., Ford City, Pa.
Florentine Pottery Co., Cambridge, Ohio.
Ford's Porcelain Works, Perth Amboy, N. J.
Helfrich Pottery Co., Evansville, Ind.
Ironsides Pottery Co., Bordentown, N. J.
Kalamazoo Sanitary Mfg. Co., Kalamazoo, Mich.
Keystone Pottery Co., Trenton, N. J.
Kokomo Sanitary Mfg. Co., Kokomo, Ind.
Maddock John & Sons, Trenton, N. J.
Maddock's Thos. Sons Co., Trenton, N. J.
Mercer Pottery Co., Trenton, N. J.
Monument Pottery Co., Trenton, N. J.
National Pottery Co., 1318 St. Joseph, Evansville, Ind.
N. J. China Pottery Co. ("Codru"), Trenton, N. J.
Pacific Sanitary Mfg. Co. ("Pacific"), 67 New Montgomery, San Francisco, Cal.
Resolute Pottery Co., Trenton, N. J.
Sanitary Earthenware Specialty Co. ("Sesco" Vitreous), Trenton, N. J.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Standard Sanitary Pottery Co., Elizabeth, N. J.
Structural Stone Co., Hubbard, Ohio
Trenton Fire Clay & Porcelain Co., Trenton, N. J.
Trenton Potteries Co., Trenton, N. J.
Universal Sanitary Mfg. Co. (Vitreous China Tanks, Closets, Urinals, etc), New Castle, Pa.
West Coast Porcelain Mfrs. ("West Coast"), Millbrae, Cal.
Wheeling Sanitary Mfg. Co., Wheeling, W. Va.

Plumbers' Slate Work

See Slate Urinals, Slabs, etc; also Laundry Tubs, Slate.

11254— Plumbers' Soil

Colebrook's W. H. Son ("Colebrook's"), Syracuse, N. Y.
Johnson Wm. (Hedenberg Works), Newark, N. J.
Thomson Diggs Co., 3d & R, Sacramento, Cal.

11255—Plumbers' Supplies, Jobbers

See also Steam Fitters' Supplies, etc.

For the manufacturers of all kinds of Plumbing Specialties, see the Specific Article Required

ALABAMA.

BIRMINGHAM — Jefferson Plumbers' & Mill Supply Co.

ARIZONA.

PHOENIX—Mulrein J. H. Plumbing Supply Co.

ARKANSAS.

FT. SMITH—Meister Bros.-Bracht Co. & Machine Co.
HOT SPRINGS—Hot Springs Plumbing

CALIFORNIA.

FRESNO—Fresno Plumbing Supply Co.
Mark-Lally Co.
Midstate Plp & Supply Co., 316 O
GLENDALE—California Plumbing Supply Co., 714 S. Brand blvd
Valley Plumbing Supply Co., 610 S Brand blvd
LONG BEACH—Crane Co., 764 W Anaheim
Pacific Pipe & Supply Co., 1112 W Ocean av
Seaport Pipe & Supply Co., 1415 Lewis
LOS ANGELES—A-One Mfg. Co. (Brass & Rubber Specialties), 304 E 2d
Bell Specialty Co., 835 Central av
Benchas Supply Co., 621 E 12th
Busch Pipe & Supply Co., 1005 Mateo
Central Specialty Co., 902 E 8th
Coony & Winterbottom, 1400 Santa Fe av
Granich Fred Co., 908 W 37th pl
Grinnell Co., 520 Mateo
Haldeman Mel. O. Co. Inc., 1506 Santa Fe av
Harper & Reynolds Co., 152 N Main
Haverty Thomas Co., E 8th & Maple
Hornby Specialty Co, Inc., 246 S Central av
Mark-Lally Co., Santa Fe av & E 37th
Munger-Reese Co., Inc., 811 Mateo
Pacific Pipe & Supply Co., 1002 Santa Fe av
Peerless Plumbing Supply Co., 1107 Highland av
Pettis John R., 853 E 31st
Republic Supply Co., 2122 E 7th
Richmond Sanitary Mfg. Co., 2135 Bay
Shinn-Holt-Lyon Co., 2130 E 7th
Silver Plumbing Co., 1276 E Slauson av
§Southern Plumbing Supply Co., Inc., 832 Wilson av
Turner G. H. Co., 600 S San Pedro
Weil A. B. & Co, Inc., 1923 E 7th
West Coast Plumbing Supply Co., 831-37 S Alameda
Whiting-Mead Pottery Co., 415 E 9th
OAKLAND—Crane Co. (of Chicago)
Kinney R. W. Co.
Mark-Lally Co., 291 10th
Oakland Plumbing Supply Co., 640 B'way
Stulsaft M. Co., 339 13th
Tay Geo. H. Co., 10th & Harrison
SACRAMENTO—Stutsaft M. & Co., 111 I St.
Sacramento Plumbing Supply Co., 515 J
Thompson-Diggs Co., 3rd & R
SAN DIEGO—Machy. Pipe Supply Co., 200 9th
Western Metal Supply Co.
Whiteing-Mead Commercial Co., 415 E 9th
SAN FRANCISCO — California Steam & Plumbing Supply Co., 671 5th
Dalziel-Moller Co., 556 Mission
Dunham Carriagan & Hayden Co., Kansas & Division
Garratt W. T. Co., 299 Fremont
General Machinery & Supply Co., 39H Stevenson
Great Western Supply Co., 948 Folsom
Greenberg's M. & Son, Folsom & Alice
Grinnell Co. of the Pacific (Pipe & Fittings), 453 Mission
Haines, Jones & Cadbury Co. (of Phila., Pa.), 351 Folsom
Holbrook, Merrill & Stetson, 6th & Bluxome
Kinney R. W. Co.
Mark-Lally Co., 2d & Tehama
Mulrein J. H., 1345 Howard
O'Hair P. E. & Co., 857 Mission
Pacific Sanitary Mfg. Co., 67 New Montgomery
Paine & Co., 144 2nd
Ralph Co., The (Mfrs. Agts.), Hawley Terminal bldg
Republic Supply Co., 670 2d
Richmond Sanitary Co., 10th & Division
San Francisco Plumbing Supply Co.
Saul E. C. (Mfrs. Agents), Monadnock bldg
Standard Sanitary Mfg. Co., 149 Bluxconde
Stulsaft M. Co., 647 Mission
Tay G. H. Co., 165 8th
Weeks-Howe-Emerson Co., 90 Market
Western Plumbing Supply Co., Dept. H, Mission & 9th
STOCKTON—Mark-Lally Co., San Joaquin & Hazelton
Stockton Plumbing Supply Co., 327 E Miner av

COLORADO.

DENVER—Hedges-Atkins Supply Co., 1780 Blake
O'Fallon M. J. Supply Co.
Wolff L. Mfg. Co. (of Chicago), 1624 Wazee

CONNECTICUT.

BRIDGEPORT — Bridgeport Brass Co., Dept. H, E Main
Central Plumbing Supply Co.
DANBURY—Hull F. A. & Son
EAST NORWALK—Norwalk Mfg. Co.
HARTFORD — Eastern Plumbing Supply Co., 80 Market
Little M. S. Mfg. Co., 151 New Park av
Plimpton & Hills Corp., 6 Ann
Purcell-Cox Corp.
Purcell J. L., 70 Trumbull
Trant Thomas & Bro.
Starbuck R. M. & Sons
MT. CARMEL—Mt. Carmel Mfg. Co., 2994H Whitney av
NEW HAVEN—Mersick C. S. & Co.
New Haven Plumbing Supply Co., 209 Meadow
Peck Bros. & Co.

Plumbers' Supplies, Jobbers—Cont.

CONNECTICUT—Continued
NORWICH — Norwich Plumbing Supply House
STAMFORD—Cohn Wm.
WATERBURY—American Pin Co. ("Ampinco")
Daly Bros. Supply & Engng. Co.
Daly M. J. & Sons

DELAWARE.

WILMINGTON—Delaware Electric & Supply Co.
Speakman Co.

DISTRICT OF COLUMBIA.

WASHINGTON — Cunningham Plumbing Supply Co., 1234 Pennsylvania av, N W
Latterner Arthur, 602 Penna. av, N W
Messer Jas. A. Co., Inc.
Schafer E. G. & Co., 218 13th, N W
Somerville Thos. Co., 312 14, N W

FLORIDA.

JACKSONVILLE—Cameron & Barkley Co.
Hubbard S. B. Co.
KEY WEST—Peacon Richard & Co.
Savannah Supply Co.
MIAMI—Cameron & Barkley Co.
PENSACOLA—Born Chas. A.
TAMPA—Coates Plumbing Supply Co.
Florida Auto & Gas Engine Co.

GEORGIA.

ATLANTA—General Supply Co.
Lowry Co.
AUGUSTA—McAuliffe T. G.
COLUMBUS—Columbus Iron Works
ROME—Rome Supply Co.
SAVANNAH—Haines, Jones & Cadbury Co. (of Phila., Pa.)
McKenna Jas. H.
Weed J. D. & Co. (Pipe & Fittings)

ILLINOIS.

BLOOMINGTON—Keiser-Van Leer Co.
Block Mandel & Co., 1151 W 12th
CHICAGO—Block Mandel & Co., 1151 W Roosevelt
Chicago Millwork Supply Co., 1401 W 37th
Chicago Plumbing Supply Co., 726 W Grand av
Clow Jas. B. & Sons, Franklin & Harrison
Crane Co., 836 S Michigan av
See adv index at end of book
Davies Supply Co., 412 W Ontario
Deschauer Co., 1345 Blue Island av
Ellis Sol, 2114 S State
Enterprise Plumbing Supply Co., 10 E Kinzie
Federal-Huber Co. (Mfrs.), 234 N Halsted
Fulton Supply Co., 1600 Fulton
Goetz Brass Co., 620 N Franklin
Gollner Phillip Co., W 33d & Archer av
Hardin-Lavin Co., 4543 Cottage Grove av
Henion & Hubbell, 219 N Jefferson
Hoelscher Bros., 1301 W Division
Illinois Malleable Iron Co., 1801 Diversey blvd
See adv index at end of book
Karol B. & Sons Co., 800 S Kedzie av
Kelly & Jones Co. The, 2436 W 15th
See adv index at end of book
Kellogg, Mackay Co., 419 W 18th
Kulp Chas. P. & Co., 202 S State
Lavell Rubber Co., 413 N Franklin
Levinthal Plumbing Supply Co., 1637 W Div
Levy M. & Co., 2125 S State
McMaster-Carr Supply Co., 174 N Market
Mid City Plumbing Supply Co., 1115 S Western
Mott J. L. Iron Wks., 104H S Michigan av
National Plumbing & Heating Supply Co., E 63rd & Prairie
Peoples Plumbing & Heating Supply Co., 490 Milwaukee
Plumbing Sales Co., 835 W Lake
Quinn Supply Co., 29 South Western av
Schlangen Brothers Co., 2435 Irving Park blvd
Shane & Co., 2304 Wentworth
Superior Mfg. Co., 5723 W Huron
Weil Bros., 651 W Lake
Weir & Craig Co., 150 W 61st
Western Plumbing Supply Co., 2223 Fillmore
Whitney & Ford, 4315 Cottage Grove av
Wolff Mfg. Co., 355 N Hoyne av
Zwick R., 1247 Blue av
DANVILLE—Inland Supply Co.
DECATUR—Field & Shorb Co.
PEORIA—Ideal Tank & Supply Co.
Kinsey & Mahler Co.
Nation Bros. Co.
ROCKFORD—Rockford Brass Works
ST. CHARLES—Glenn Mfg. Co. (Iron Goods)

INDIANA.

ANDERSON—May Supply Co.
EVANSVILLE—Wooley John E. & Son, 122 Main
FORT WAYNE—National Mill Supply Co.
INDIANAPOLIS—Buschmann August & Sons, Inc., Buschmann bldg
Central Supply, 210 S. Capitol av
Jackson Supply Co., 333 W Ohio
Van Camp Hardware & Iron Co., 401 W Maryland
KOKOMO—Kokomo Hardware Co.
LAFAYETTE—Biggs Pump & Supply Co., Dept. H
LOGANSPORT—Baker Specialty & Sup. Co.
MICHIGAN CITY—Weil-McLain Co.
MUNCIE—Keiser Geo. & Co.
NOBLESVILLE—Clark's Supply House
PERU—Moseley Supply Co.
UNION CITY—Knapp Supply Co.
Union Sanitary Supply

IOWA.

CEDAR RAPIDS—Cedar Rapids Pump Co.
Chandler Pump Co.
DES MOINES—Beckman Bros.
Globe Machinery & Supply Co.
Kurtz L. H. Co.
DUBUQUE—Kretschmer Mfg. Co.
McDonald A. Y. Mfg. Co. (Mfrs.)
FORT DODGE—Leighton Supply Co.
MARSHALLTOWN—Fisher Governor Co.
MASON CITY—Hawkeye Supply Co.
OSKALOOSA—Ideal Mfg. & Supply Co.
SIOUX CITY—Wigman-Curtis Co.
WATERLOO—Waterloo Mfg. Co.

KANSAS.

ATCHISON—Thayer Supply Co.
EL DORADO—Gaylord Sanitary Mfg. Co.
HUTCHINSON—Nelson Mfg. & Supply Co.
WICHITA—Martin Metal Mfg. Co.

KENTUCKY.

LOUISVILLE—Laib Co., Inc.
Standard Sanitary Mfg. Co. (Ahrens & Ott Div)
Vogel P. A. & Sons, 121 W Main

LOUISIANA.

NEW ORLEANS—Dixie Mill Supply Co. Inc., 901 Tchoupitoulas
Fairbanks Co., Camp & St. Joseph (of New York City)
Manion & Co., 618 Baronne
Plumbing & Mill Supply Co., 840 Baronne
Standard Sanitary Mfg. Co., 846 Baronne
Standard Supply & Hdwe Co., 823H Tchoupitoulas

MAINE.

BANGOR—Dunning R. B. & Co.
PORTLAND—Blake W. L. & Co.
Smith & Abbott Co.

MARYLAND.

BALTIMORE—Central Metal & Supply Co., 611 E Lombard
Crook-Horner Supply Co., 7 Balderson
Cuyler & Mohler, 611 William
Herman B. C. Co., 1441 E Baltimore
Lit-Silver Plumbing Supply Co., 109 Fallsway
Neser & Quinn Co., Lexington & Green
Robertson Jas. Mfg. Co., 103 Hopkins pl
Southern Supply Co., Calvert & Sara
Star Plumbing Supply Co., 919 E Lombard
Young, Klotsch & Appel, Inc. (Brass & Copper), 634 W Calvert
CUMBERLAND—McKaig Merwin
HAGERSTOWN—Ditto E. W.
Reichard Supply Co.

MASSACHUSETTS.

BOSTON—Barrett Jas. Mfg. Co., 117 Pearl
Boston Pipe & Fittings Co., 273 Congress
Boston Plumbing & Lighning Supply Co.
Bradlee & Chatman, 53 State
Braman, Dow & Co., 239 Causeway
Brown Wales Co., 489 C.
Butler Edmund F. & Co., 80 Pearl
Carpenter & Paterson, 16 India
Dalton-Ingersoll Mfg. Co., 365 Atlantic av
Daly Plumbing Supply Co., 93 Cummings
Dececo Co., 157 High
Estabrook's R. Sons, 202 1st
Gallison Wm. H. Co., 401-399 Atlantic av
Gilchrist, Geo. E Co., 234 Congress
Hubbard W. B. & Sons Co., 176 Oliver
Locke, Stevens & Co., 94 Warrenton
Martin Thos. F.
Sanitary Fixtures Co., 114 W Second
Sanitas Mfg. Co., 105 Washington
Sullivan Daniel P Jr., 1140 Harrison
Sumner Dunbar, 287 Congress
Thompson Durkee Co., 93 High
Wacco Supply Co., 30 Marginal East
Webb F. W. Mfg. Co., 56 Elm
Whitehead Metal Products Co. (Brass Plumbing Supplies), 67-78 Washington, North
See adv index at end of book
Young Jos. H. Co., 82 High
BROCKTON—Corcoran Supply Co.
CAMBRIDGE—Cambridge Plumbing Supply Co.
Corcoran Supply Co., 63 Albany
FALL RIVER—Fall River Steam & Gas Pipe Co.
FITCHBURG—Parks & Cramer Co.
HOLYOKE—Holyoke Supply Co.
LOWELL—Hobson & Lawler Co.
LYNN—Bourneuf Louis Corp.
NEW BEDFORD—Watson-Penfield Corp.
Wood, Brightman & Co.
PITTSFIELD—Robbins Gamwell & Co.
SALEM—Salem Plumbing & Lightning Supply Co.
SOMERFIELD—Ideal Supply Co.
SPRINGFIELD—New England Plumbing Supply Co.
Oliver & Howland Co., 240 Main
WALTHAM—Maynard Mfg. Co.
WORCESTER—Baker Lead Mfg. Co., 28 Cherry
Desper H. A. (Specialties), 40 Shelby
Central Supply Co., Foster sq

MICHIGAN.

BAY CITY—Aladdin Co.
Alert Pipe & Supply Co.
CADILLAC—Cadillac Plumbing Heating Co., Dept. H
DETROIT—Detroit Lead Pipe Works, 1450 21st
Harvey's A. Sons Mfg. Co., 210 1st
Kimball Eisenberg Co., 153 E Jefferson av
Lukomski Bros. Co., 2430 E Grant blvd
McCormick Plumbing Supply Co., 179 Baker
McRae & Roberts Co.
Park & McKay, 55 Bagley av
Walker Mfg. & Supply Co., Shelby & Woodbridge
GRAND RAPIDS—Ferguson Supply Co.
JACKSON—Central Distributing Co.
LANSING—Michigan Supply Co.
MUSKEGON—Howden J. J. Co.
SAGINAW—Alert Pipe & Supply Co.

MINNESOTA.

DULUTH—Duluth Plumbing Supplies Co.
MINNEAPOLIS—Central Supply Co., 212 S 3rd
Gilmore D. M. Co., 515 S 3d
National Mfg. & Supply Co., 250 3d av
Roberts-Hamilton Co., 412 S 4th
Rollins Sim D., Sec bldg
ST. PAUL—Cochran-Sargent Co., 182 E 6th
Robinson Plumbing Supply Co.
Twin City Plumbing Specialty Co., 374 Rice
Union Brass & Metal Mfg. Co., Lawson & Mackubin
Western Supply Co., Park Square

MISSOURI.

JOPLIN—Plumbers Supply Co.
KANSAS CITY—Kansas City Pump Co., 1214 W 10th
Kellogg Mackay Co., 2020 Walnut
Reeves Supply Co., 1304 McGee
United States Water & Steam Supply Co.
Young W. B. Supply Co.
ST. JOSEPH—Howe W. B. Supply Co.
ST. LOUIS—Cahill-Swift Mfg. Co.
Central Hdwe Co.
Nelson N. O. Mfg. Co. ("Nonco" Mfrs.), 10th & Chestnut
SPRINGFIELD—Cooper Harry Supply Co.
Springfield Plumbing Co.

NEBRASKA.

LINCOLN—Western Supply Co.
OMAHA—Hause Chas. F. Mfg. Co.
Omaha Sanitary Supply Co.
United States Supply Co.
Wolff Mfg. Co.

NEW HAMPSHIRE.

CONCORD—Concord Pipe Co.
Page Belting Co., Inc.
MANCHESTER—Manchester Supply Co.
Trudell Geo. E. Co.

NEW JERSEY.

ATLANTIC CITY—Atlantic City Plumbing Supply Co.
BAYONNE—Bayonne Supply Co.
BELMAR—Belmar Supply Co.
BOGOTA—Bogota Plumbing Supply Co.
ELIZABETH—Elizabeth Hardware Co.
Hemmendinger S.
GUTTENBERG—Herrmann F. W. Co.
HACKENSACK—Howell E. F. Mfg. Co.
JERSEY CITY—Jersey City Supply Co., 12 Mercer
Letcher R. J. & Son, 191 Morgan
Perkins Arthur L., 144 13th
Warren Plbg Supply Co., 261 Warren
NEWARK—Angster-Stringer Co., 220 Badger av
Birdsall W. A. & Co., 44 Mechanic
Bridgman Co., 206 Frelinghusen av
Egbert W. V. & Co., 35 Mechanic
Hedges Bros., Inc., 107 South
Howard Plumbing Supply Co., 183 Howard
Johnson J. D. Co., 54 Fulton
Kantor Bros., 134 Little
Leonard E. B., 19 Lombardy
Morris D. H. Co., 279H Central av
O'Loughlin & Co., 11 Camp pl
Plumbers Supply Co., 291 Halsey
Roe Wm. S., 15-21H River
Service Plumbing Supply Co., 156H Central av
NEW BRUNSWICK—Beith & Reilly Co.
PASSAIC—Friedman A. J. Co.
Friedman Bros.
Mills H. W. & Co., 215H Washington pl

Passaic Plumbing Supply Co.
Ral Plumbing Supplies
PATERSON—McNab & Harlin Mfg. Co.
Mills H. W. & Co., 59H Washington
Quinn Bros.
Smith Abe
TRENTON—Standard Supply & Equipment Co., 143 W Warren
Trenton Hardware Co., 35 E State
Warren, Balderston & Co.
WEEHAWKEN—Berger Edw. W. & Bro.

NEW YORK.

ALBANY—Albany Hdwe. & Iron Co., Dept. H
Delehanty's M. Son
Hoy & Co.
AUBURN—Donovan D. A.
Smith & Pearson
BINGHAMTON—Millar Chas. & Son Co.
Prescott Supply Co.
BUFFALO—Alert Plumbing Supply Co., Inc., 788 Seneca
Buffalo Plumbing Supply Co., 665 Fillmore av
Bushnell Clarence E.
Case W. A. & Sons Mfg. Co., 31 Main
Dixon & Ballou, 321 Ellicott
Schaefer Plbg. Supply Co., 146H Clinton
Warren & Dellwardt Co., 109 Seneca
ELMIRA—Le Valley-McLeod-Kinkaid Co.
Sweet A. L. Iron Works (Castings), 141 Glenwood av
KINGSTON—Canfield Supply Co.
LOCKPORT—M. A. Connor (Specialties)
MEDINA—Swett A. L. Iron Works (Castings), 145 Glenwood av
NEW ROCHELLE—Dimock & Fink Co.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Albert & Davidson Pipe Corp., 256-264 Oakland
See adv index at end of book
American Plumbing Mfg. Co., 349 Adams
De Laney Thos. M., 576 Atlantic av
Gasner Simon & Sons Co., Inc., 447 Sutter av
Jacobs Geo. P. & Co., 274 S 9th
Johnson J. D. Co., 43 Boerum pl
McElraevy & Hauck Co., 440 B'way
Republic Pipe & Iron Corp., 23H, Varick av
See adv index at end of book
Smyth-Donegan Co., 247 St. Marks av
Thill A. P. Co., 1035 Putnam av
Williamsburg Tinsmith Supply Co., 514 Broadway

Boroughs of Manhattan and Bronx.

NEW YORK—Adee Fred Co., 3 Cliff
Associated Mfrs. Co. of N. Y., 103 Varick
Behrer Arnold & Sons, 273 Pearl
Behrer & Co., 81 Beekman
Beith & Reilly Co., Lincoln av & 137th
Campbell Supply Co., 570 Columbus av
Central Plumbers Supply Co., 252 Pearl
Charyn Al., 43H W B'way
Chelsea Mfg. Suply Co., 236 W 20th
Cornell & Underhill, Greenwich & Spring
Crane Co., 494 Cherry
See adv index at end of book
Dimock & Fink Co., 220 E 125th
Driggs C. V., Inc., 160 E 56th
Du Bois F. N. & Co., 247 9th av
Durst Mfg. Co. ("Dumaco"), 105 Chambers
Efron Jacob, 233 Broome
Garrison Brass & Machine Wks., 107 W 13th
Glauber Sam S., 515 E 79th
Greenbaum I., 64 E 116th
H. & M. Plumbers' Supply Co., 217 E 58th
Heiland Geo. W., 107 W 13th
Heiland Geo. W., 107 W 13th
Hess Chas. Co., 175 Water
Hungerford U. T. Brass & Copper Co., 80 Lafayette
Hussey W. H. & Son, 233 W 35th
Interboro Plumbing Supply Co., 3923 3d av
Keating E. F. Co., 446 Water
Keating James A. Co., 105 Christopher
McMann & Taylor Co., 104 John
See adv index at end of book
McShane Bell Fdy. Co., 48 E 41st
Meyer F. & J. (For Export), 115 Broad
Meyer-Sniffin Co., 11 W 36th
Murray Jno. A. & Co., 310 W 39th
New York Plumbers' Specialty Co., 334 E 98th
Oliver Bros Inc., 71 Murray
Peck Bros. & Co. (of New Haven, Conn.), 219 W 49th
PIERCE BUTLER & PIERCE MFG. CORP., 41 E 42d
Royal Plumbing & Roofing Supply Co., 430 W 125th
Schlossman M. & Son, 545 3rd av
Seed Filter & Mfg. Co., 73 Franklin
Seidenberg J. M. & Co., Inc., 254 W 34th
SIMMONS JOHN CO., 110 Centre
See adv index at end of book
Standard Plumbing Supply Co., St. Anns av & 159th
Stein Henry (Mfrs.' Agent), 48 Cliff
United Plumbers' Supply Co., 1468 Exterior
Whitehead Metal Products Co. of N. Y., Inc. (Brass Plumbing Supplies), 261-7 Canal
See adv index at end of book
End of New York City

ONEIDA—Smith J. R. & Son Co., 55 Phelps
ROCHESTER—Barr & Creelman Co., 74H Exchange
Hunting Co.
Sloan Samuel & Co.
TROY—Aird-Don Co.
Cole Geo. H. Supply Co., 399H River
UTICA—Millar Chas. & Son Co.
Smyth Despard Co.
Utica Plumbing Supply Co.
WATERTOWN—Hunting Co.
Weekes Jno. & Son Co.
Wise J. B. Inc. ("Wisco" Mfrs.)
YONKERS—Yonkers Plumbing Supply Co.

NORTH CAROLINA.

ASHEVILLE—Union Plumbing Co., 23H B'way
CHARLOTTE—Parks-Cramer Co.
Whitman-Douglas Co.
WINSTON-SALEM—Crawford Mill Supply Co.

OHIO.

AKRON—Hardware & Supply Co., 475-535 S High
Mill & Mine Supply Co., P. O. Box 432
See adv index at end of book
CANTON—Chapman Plumbing Supply Co., 204-208 W 3rd S W
CINCINNATI—Douglas Jno. Co., Carthage
Kelly & Jones Co. The, 1008 Sycamore
See adv index at end of book
King Walter E. Co., 1273 Michigan
McDonald Jas. & Sons Co.
Merkel Bros. Co., Canal & Jackson
Murdock Mfg. & Supply Co., 426 Plum
CLEVELAND—Best Mfg. Co., 4610 St. Clair av
Cassidy Mfg. Co., 1396 E 65th
Cuyahoga House Wrecking Co., 6311 Kinsman rd
Federal Brass Mfg. Co. (Also Mfg. Brass Goods), 1761 E 27th
Kennedy Co., Euclid av
Modern Mfg. Co., 4734 Hough
Oldenburg Arthur L. Co., 1447 E 39th
Paramount Brass & Mfg. Co. (Specialties), 2187 E 2d
Rivitz Chas. & Co., 2003 St. Clair
Rivitz Hiram & Co., 1640 E 40th
Welker Supply Co., 6504 Carnegie av, S E
Worthington Geo. Co., 802-832 St. Clair av N W
COLUMBUS—Ascher Supply Co., 236 N 3d
Columbus Supply Co., 37 W Spring
Cussins & Fearn Co., 38-54H W Spring
Plumbers' & Factory Supply Co., 33 E Spring
Scioto Valley Supply Co., Gay & Front
Westwater Supply Co., 150 N 3d
DAYTON—Dayton Supply Co.
Gibbons M. J. Supply Co.
Kiefaber W. H. Co.
GREENVILLE—Treaty Co.
LIMA—Good Tool & Supply Co.
MANSFIELD—Hughes Supply Co.
Humphryes Mfg. Co.
NEWARK—Universal Supply Co.
NEW PHILA—Sharp Mfg. & Supply Co.
NORWALK—Gfell Jno. H. & Co.
PORTSMOUTH—Portsmouth Supply Co.
Standard Supply Co.
ST. MARY'S—Jasperson Supply Co.
TIFFIN—Crobaugh & Dahm Hardware Co.
TOLEDO—American Plumbers' Supply Co.
Federal Pipe & Supply Co., Jackson
Grosswiller Jos. F. Co., 430 Huron
Ohio Plumbers' Supply Co.
Shaw-Kendall Engineering Co.
XENIA—Parker Supply Co.
ZANESVILLE—Roekel Co.

OKLAHOMA.

MUSKOGEE—Atlas Supply Co.
OKLAHOMA—Mideke Supply Co.

OREGON.

PORTLAND—Jacobsen-Munro Co., 1 N Front
Kline M. L. & Co., 80 Front
Marshall-Wells Co., 15th & Lovejoy
Peerless Pacific Co., 2nd & Stark
Stone Supply Co., 64 Grand av
Stutsaft M. & Co., 270 11th, Oakland, Cal.
Walworth Oregon Co., 12th & Everett

PENNSYLVANIA.

BEAVER FALLS—Beaver Valley Mill Supply Co.
BRADFORD—Bradford Supply Co., 130 Main
CHESTER—Bridgman Co.
Turner Supply Co.
CONSHOHOCKEN—Case W. A. & Son Mfg. Co.
Conshocken Stone Quarry
DALTON—Dalton Supply Co.
GREENSBURG—Kelly & Jones Co. The
See adv index at end of book
HARRISBURG—Appleby Bros. & Whittaker Co.
Gilbert H. & Son, 400 S 2nd
Mather E. Co.
HAZELTON—Wagner Bros. Hardware Co.
LANCASTER—Pontz Fred D.
Raub Supply Co.
PHILADELPHIA—Blessing C. A., 516 Montgomery av
Bridgman Co., 120 S 30th
Butterworth Supply Co. (Sundries), 4200 Kensington av
Cooper Sanitary Mfg. Co., 34th & Chestnut
Fleck Bros. Co., 44 N 5th
Fords & Kendig Co. (Dlrs.), 1428 Callow Hill
Froelich Bros., 142 N 7th
Haines Jones & Cadbury Co., 1136 Ridge av
Hydraulic Specialty Co., 427 Walnut
Keystone Supply & Mfg. Co., 917 N 9th
McCambridge Co., 315 No 20th
MacMullen & Co., 1122 Callowhill
Mott Co. of Pa., 1006 Filbert
Perkes Chas. Co., 627 Arch
Rainear C. J. & Co., 518 Arch
Savill's Thos. Sons, 1310 Wallace
Shuster Plumbing Supply Co., Willow & Franklin
Standard Supply & Equipment Co., 1712 Market st
Walls, Owen & Stambach Co., 11th & Ridge
Whitehead Metal Products Co. of N. Y., Inc. (Brass Plumbing Supplies), 43 N 7th
See adv index at end of book
Woodward Wanger Co., 1106 Spring
PITTSBURGH—Anchor Sanitary Co., 123 3d av
Anchor Sanitary Co., 123 3d av
B. B. Specialty Co., 433 Liberty av
Bailey Farrell Mfg. Co., S 20th & Sidney
Bowman Supply & Mfg. Co., 890 Progress
Colonial Supply Co., 217 Water
See adv index at end of book
Fort Pitt Supply Co., 332 2d av
Kelly & Jones Co. The, 135 Water
See adv index at end of book
Manufacturers Distributing Co., 325 Penn. av
Pittsburgh Plumbing & Heating Co., 6310 Penn
Plumbers Supply Co., 433 Liberty av
Ross Hdwe & Plumbing Supply Co., 6322 Frankstone av
Standard Sanitary Mfg. Co., H Bessemer bldg
Standard Supply & Equipment Co., 29 & Smallman
Tri-State Plumbing Supply Co., 75 S 17th
POTTSTOWN—Fegely J. & Son
POTTSVILLE—Bright Geo. Hardware Co.
READING—Bright & Co.
Reading Foundry & Supply Co.
SCRANTON—Gunster Bros.
Scott Chas. B. Co., 119 Franklin av
Weeks R. E. Co.
SHAMOKIN—Sanner Hardware Co.
TITUSVILLE—Kernochan & Co.
WILKES-BARRE—Eastern Pennsylvania Supply Co.
Wyoming Valley Supply & Mfg. Co.
YORK—Small P. A. & S. Co.
YOUNGWOOD—Robertshaw Mfg. Co.

RHODE ISLAND.

PROVIDENCE—Phillips Lead & Supply Co., 91 S Main
Providence Plumbing Supply Co., 47 Pine
Rhode Island Supply & Sprinkler Co., 156 West Exchange
Tillinghast L. H. Supply Co., 162 Dorrance

SOUTH CAROLINA.

CHARLESTOWN—Bailey-Lebby Co.
Cameron & Barkley Co.
Franke C. D. & Co.
COLUMBIA—Southern States Supply Co.

SOUTH DAKOTA.

SIOUX FALLS—Plumbing Supply Co.
WATERTOWN—Crane & Ordway Co.

TENNESSEE.

CHATTANOOGA—James Supply Co., 1104 Market
Mills & Lupton Supply Co., 1146 Market
KNOXVILLE—McClung C. M. & Co.
MEMPHIS—Cronin, Baker & Trindal, 339 Madison
NASHVILLE—Case W. A. & Son Mfg. Co., 170 2nd av

TEXAS.

DALLAS—Wolff L. Mfg. Co.
EL PASO—Momsen-Dunnegan-Ryan Co.
FORT WORTH—Axtell Co.
HOUSTON—Keithly Co.
Nelson N. O. Co.
PARIS—Collins & Moore
SAN ANTONIO—Standard Sanitary Mfg. Co. (Ahrens & Ott Div.)

UTAH.

SALT LAKE CITY—Nelson Jos. Supply Co.

VERMONT.

RUTLAND—Lincoln Iron Works
ST. JOHNSBURY—Goss Supply Co.
WHITE RIVER JUNCTION—Shepard, Co., Inc.

VIRGINIA.

CHARLOTTESVILLE—Thomas R. L. & Co., Inc.
HAMPTON—Booker H. R. & Co.
NEWPORT NEWS—Noland Co.
NORFOLK—Seaboard Supply Co.
Virginia-Carolina Supply Co.
RICHMOND—McGraw-Yarbrough Co.
Virginia-Carolina Supply Co.
PETERSBURG—Stratton Supply Co., 121 Bollingsbrook

(Continued on following page)

Plumbers' Supplies, Jobbers—Cont.

WASHINGTON.

SEATTLE—Northwest Plumbing Supply Co., 320 Terry av N
Palmer Supply Co., 222 Westlake av N
Seattle Plumbing Supply Co., 576 1st av S
Walworth Mfg. Co., 414 1st av S (Br. of Boston)
SPOKANE—Hughes & Co.
TACOMA—American Plumbing & Steam Supply Co., 1908H Pacific av

WEST VIRGINIA.

CHARLESTON—Meyers Bros.
CLARKSBURG—Williams Hardware Co.
WHEELING—Trimble & Lutz Supply Co.

WISCONSIN.

GRAND RAPIDS—Hayden Supply Co.
GREEN BAY—Murphy Supply Co.
LA CROSSE—La Crosse Plumbing Supply Co.
Roosevelt W. A. Co.
MILWAUKEE—Dengel F. R. Mfg. Co., Fisher Specialty Co., 326 Ogden av
Hoffmann & Billings Mfg. Co., 100 2nd
McNally C. W. Co., 199 E Water
Rom Robt. Co., 1023 St. Paul av
Rundle-Spence Mfg. Co., 63 2d
Wisconsin Plumbing & Heating Supply Co., 298 Reed
WAUSAU—Wisconsin River Supply Co.

11256—Plumbers' Wood Work

For Jobbers of this Trade see Plumbers' Supplies, Jobbers

Albright Mfg. Co. ("Albright") Rural Hall, N. C.
American Woodwork Mfg. Co. (White & Varnished), 701 W Pennsylvania, Evansville, Ind.
B R E Mfg. Co. ("B R E" Closet Seats & Tanks), Hyde Park, Mass.
Becker Mfg. Co., The ("Hercules" Seat), Marietta, O.
Berglas M. P. Mfg. Co., 10 Fulton, Brooklyn, N. Y.
Budde Mfg. Co., 4 Summer, San Francisco, Cal.
Burlington Venetian Blind Co., Burlington, Vt.
Church C. F. Mfg. Co. ("White Pyralin"), Holyoke, Mass.
Columbus Brass Co. (Fibre Seats & "Simplex" Tanks), 620 Dublin av, Columbus, O. *See adv index at end of book*
Concord Woodworking Co., Concord, N. H.
Coyne & Delany Co., 832 Kent av, Brooklyn, N. Y.
Douglas Jno. Co., Carthage, Cincinnati, O.
Eichman J. C. Mfg. Co. ("Hammerlock"), Bush & Wicomico, Baltimore, Md.
Emery Wm. S. ("Non-Split"), 118 E 28th, New York
Federal-Huber Co., 234 N Halsted, Chicago, Ill.
Ferguson Supply Co., Grand Rapids, Mich.
Heap Wm. & Sons (Seats, Tanks, Low-down Tanks, Export English Pattern), Grand Haven, Mich.
Knott Mfg. Co., Tell City, Ind.
Leclaire Cabinet Works, Edwardsville, Ill.
Leclaire Mfg. Co., Edwardsville, Ill.
McLane Mfg. Co., Milford, N. H.
Miller Chas. A. Co. (Seats & Tanks) Sturgis, Mich.
Never-Split Seat Co. ("Never-Split" Closet Seats), Evansville, Ind.
Olmstead-Thomson Mfg. Co., New Britain, Conn.
Park & McKay, 55 Bagley av, Detroit, Mich.
Peerless Tank & Seat Works, Evansville, Ind.
Pfau Mfg. Co., Mentor & Huston, Norwood, Cincinnati, O.
Philadelphia Sheet Metal & Wood Works, 1824 E Clearfield
Plumbers' Woodwork Co. ("Badger"), Algoma, Wis.
Plymouth Mfg. Co., Plymouth, Ind.
Sherwood Brass Works ("Climax" Lock Joint), 6331 Jefferson E, Detroit, Mich.
Shwab Bros. Co. ("Never-Break"), 311 E 9th, New York
Silicocks-Miller Co. ("Celluvarno"), South Orange, N. J.
Standard Sanitary Mfg. Co. (Celluloid Covered & Plain Seats), Bessemer bldg, Pittsburgh, Pa.
Swain-Carpenter Co., 7th & Morris, Phila., Pa.
Thompson Mfg. Co., Holland, Mich.
Van Arnam Mfg. Co., Fort Wayne, Ind.

11256a—*Plumbing (Marine)

Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book

11256b— Plumbing Parts

Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Waterbury Mfg. Co., Division Chase Companies, Inc., Waterbury, Conn.

11257—Plumes (Horse Hair)

Bevin Bros. Mfg. Co., E. Hampton, Conn.
Gem Hammock & Fly Net Co., 326 Florida, Milwaukee, Wis.
Rauschenberger John Co., 87 W Water, Milwaukee, Wis.
Wallace F. J. Co. (For Sleighs), Meriden, Conn.

11258— Plungers (Lime)

Emrich Phil., 824 Main, Cincinnati, O.

11259— Plungers (Pump)

Birdsboro Steel Foundry & Machine Co. (Chilled Iron, Ground & Finished), Birdsboro, Pa.
Chicago Belting Co. ("Chibeco" Flat), 125 N Green, Chicago, Ill.
Early W. J. Fdry. Co., 812H Sarah, S S, Pitsburgh, Pa.
Keystone Driller Co., Beaver Falls, Pa.
See adv index at end of book
Pollak Steel Co., Cincinnati, Ohio
Smith Jas. & Son (Leather), 40 Franklin av, Brooklyn, N. Y.
Stein John J. (Leather), 30 Clay, B'klyn, N. Y.

11260— Plushes

American Velvet Co. (Silk), Stonington, Conn.
Astoria Silk Works (Silk), 727 Steinway av, Long Island City, N. Y.
Baker A. T. & Co. (Cotton & Mohair), Main & Cotton, Philadelphia, Pa.
Baxter, Kelley & Faust (Cotton), 29 E 19th, New York
Blumenthal Sidney & Co. (Silk, Cotton & Mohair), Shelton, Conn.
Brookside Mills, on K. & O. Ry., Knoxville, Tenn.
Chase L. C. & Co. ("Goat" Brand Mohair Velvets), 89 Franklin, Boston, Mass.
Cheney Bros. (Silk Dress), So. Manchester, Conn.
CHICAGO BELTING CO., 110 N Green, Chicago, Ill.
See adv index at end of book
Contrexeville Mfg. Co. (Cotton, Flax & Jute), Manville, R. I.
Dobson J. & J. (Velvet, Silk, Mohair, Seal & Cotton Plushes), 809 Chestnut, Philadelphia, Pa.
Eagle Mills (Cotton), Woonsocket, R. I.
Holyoke Plush Co., Holyoke, Mass.
Lees Daniel (Estate of) (Cotton Upholstery Velours), Glen Riddle, Pa.
Mass. Mohair Plush Co. (Mohair Car & Furniture), 200 Devonshire, Boston, Mass.
Mianus Mfg. Co. (Woolen for Cloakings, Shoes, Gloves, etc.), Coscob, Conn.
Pearson Fred & Co. (Verona Upholstery, Drapery, etc), Leverington & Wilde, Phila., Pa.
Peerless Plush Mfg. Co. (Cotton & Silk Upholstery, Mohair & Seal Mantile Plushes), 25 Madison av, New York
Salt's Textile Mfg. Co. (Silk, Seal, Upholstery & Mohair), Kossuth av, Bridgeport, Conn.
Sanford Mills (Mohair, Furniture, Car, etc), Sanford, Me.
Simon R. & H. Co. (Silk Dress), Town of Union, N. J.
Stroock Plush Co. (Moquettes & Plain Plush), Newburgh, N. Y.
Tingue Mfg. Co. (Mohair), Seymour, Conn.
Victoria Plush Mills (Silk), Swarthmore, Pa.

11260a—Plywood (Waterproof)

Haskelité Mfg. Corp., Chamber of Commerce bldg, Chicago, Ill.
Pacific Mutual Door Co., Tacoma, Wash.

Pneumatic Air Hoists

See Pneumatic Hoists

11261— Pneumatic Ash Handling System

Stephen-Adamson Mfg. Co. ("S-A"), Aurora, Ill.
Vacuum Ash & Soot Conveyor Co. Inc. ("Vasco"), H. Wilson av, Newark, N. J.

11262—Pneumatic Baby Drillers

Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.

11263—Pneumatic Beading Hammers

CHICAGO PNEUMATIC TOOL CO. ("Boyer," "Keller"), 6 E 44th, New York *See adv index at end of book*
Cleveland Pneumatic Tool Co. ("Cleveland"), 3734 E 78th, Cleveland, O.
See adv index at end of book
Dayton Pneumatic Tool Co. ("Green" & "Dayton"), Dayton, O.
Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.
Independent Pneumatic Tool Co. ("Thor"), 600 W Jackson blvd, Chicago, Ill.
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
Keller Pneumatic Tool Co., Fond du Lac, Wis.
King Pneumatic Tool Co., 1736 Armitage av, Chicago, Ill.
See adv index at end of book
Oldham Geo. & Son Co., 200H Scott, Baltimore, Md.

11263a—*Pneumatic Boiler Makers' Hammers

Helwig Mfg. Co., 422 E 7th, St. Paul, Minn.
Independent Pneumatic Tool Co., 600H W Jackson blvd, Chicago, Ill.
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
King Pneumatic Tool Co., 1736 Armitage av, Chicago, Ill.
See adv index at end of book

11264—Pneumatic Boiler Riveters

Allen John F. Co. (Percussion & Compression), 370 Gerard av, New York
Chicago Pneumatic Tool Co., 5 East 44th, New York. *See adv index at end of book*
Hanna Engineering Works ("Hanna"), 1764 Elston av, Chicago, Ill.
King Pneumatic Tool Co., 1736 Armitage av, Chicago, Ill.
See adv index at end of book

11265—Pneumatic Boiler Scaler

Dallett Thos. H. Co. ("Dallett"), 1324 Federal, Phila., Pa.

11266—Pneumatic Bolt Nippers

CHICAGO PNEUMATIC TOOL CO., 6 E 44th, New York
See adv index at end of book
Helwig Mfg. Co. ("Helwig" Portable), St. Paul, Minn.

11267-8-9—Pneumatic Breast Drills

CHICAGO PNEUMATIC TOOL CO. ("Little Giant"), 6 E 44th, New York
See adv index at end of book
Cleveland Pneumatic Tool Co. ("Cleveland"), 3734 E 78th, Cleveland, O.
See adv index at end of book
Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.
Independent Pneumatic Tool Co. ("Thor"), 600 W Jackson blvd, Chicago, Ill.
INGERSOLL-RAND CO., 11 B'way, New York *See adv index at end of book*
King Pneumatic Tool Co., 1736 Armitage av, Chicago, Ill.
See adv index at end of book

Pneumatic Casting Cleaners

See Pneumatic Scaling Hammers

Pneumatic Chain Hoists

See Pneumatic Hoists

11270—Pneumatic Chipping & Calking Hammers

CHICAGO PNEUMATIC TOOL CO. ("Boyer"), 6 E 44th, New York
See adv index at end of book
Cleveland Pneumatic Tool Co. ("Cleveland"), 3734 E 78th, Cleveland, O.
See adv index at end of book
Dayton Pneumatic Tool Co. ("Green" & "Dayton"), Dayton, O.
Hardsocg Wonder Drill Co. ("Wonder"), Ottumwa, Ia.
Helwig Mfg. Co. ("Helwig" & Beading), St. Paul, Minn.
Independent Pneumatic Tool Co. ("Thor"), 600 W. Jackson blvd, Chicago, Ill.
INGERSOLL-RAND CO., 11 B'way, New York *See adv index at end of book*
Keller Pneumatic Tool Co., Fond du Lac, Wis.
KING PNEUMATIC TOOL CO., 1736 Armitage av, Chicago, Ill.
See adv index at end of book
Oldham Geo. & Son Co., 200H Scott, Baltimore, Md.
Providence Press Machinery Co., Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*

11270a—Pneumatic Chisel Blanks

Chicago Pneumatic Tool Co., 6 East 44th, New York. *See adv index at end of book*
Duke Steel Co. Inc., 191 Pearl, New York
Helwig Mfg. Co., 422 E 7th, St. Paul, Minn.
King Pneumatic Tool Co., 1736 Armitage av, Chicago, Ill.
See adv index at end of book
Marchant Geo. F. Co., 1420 S Rockwell, Chicago, Ill.

11271—Pneumatic Compression Riveters

Allen John F. Co., 370 Gerard av, New York
Baird Pneumatic Tool Co. (Portable Punch), 432 Rialto bldg, Kansas City, Mo.
Hanna Engineering Works, 1764 Elston av, Chicago, Ill.
Slocomb F. F. & Co. ("Caskey"), 14th & Poplar, Wilmington, Del.
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book

Pneumatic Concrete Rammers

See Pneumatic Sand Rammers

11272—Pneumatic Corner Drills

CHICAGO PNEUMATIC TOOL CO. ("Little Giant"), 6 E 44th, New York
See adv index at end of book

Cleveland Pneumatic Tool Co., 3734 E 78th, Cleveland, O.
See adv index at end of book

Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.

Independent Pneumatic Tool Co., 600H W Jackson blvd, Chicago, Ill.

Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book

11273—*Pneumatic Crane Motors

See also Pneumatic Motors

Chicago Pneumatic Tool Co., 6 East 44th, New York. *See adv index at end of book*

Pneumatic Despatch Tubes

See Pneumatic Tubes

11274—Pneumatic Drift Bolt Drivers

CHICAGO PNEUMATIC TOOL CO. ("Boyer"), 6 E 44th, New York
See adv index at end of book

Cleveland Pneumatic Tool Co., 3734 E 78th, Cleveland, O.
See adv index at end of book

11275-8— Pneumatic Drills

Canton Pneumatic Co., 1716 9th S W, Canton, O.

CHICAGO PNEUMATIC TOOL CO. ("Little Giant," "Boyer"), 6 E 44th, New York
See adv index at end of book

CLEVELAND PNEUMATIC TOOL CO. (Compound Geared), 3734 E 78th, Cleveland, O. *See adv index at end of book*

Dallett Thos. H. Co. ("Dallett"), 1324 Federal, Phila., Pa.

Delaware Tool Co., Wilmington, Del.

Denver Rock Drill Mfg. Co. ("Waugh"), Denver, Colo.

Helwig Mfg. Co. ("Helwig," Reversible), St. Paul, Minn.

Independent Pneumatic Tool Co. ("Thor"), 600 W Jackson blvd, Chicago, Ill.

INGERSOLL-RAND CO., 11 B'way, New York *See adv index at end of book*

Keller Pneumatic Tool Co., Fond du Lac, Wis.

Livingston Mfg. Co., Rockland, Me.

McKiernan Terry Drill Co., 17 Park Row, New York

Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*

Pneumatic Feather Drills

See Pneumatic Plug Drillers

11279—Pneumatic Flue Rollers

Chicago Pneumatic Tool Co., 6 East 44th, New York *See adv index at end of book*

Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.

Independent Pneumatic Tool Co. ("Thor" Reversible), 600 W Jackson blvd, Chicago, Ill.

Keller Pneumatic Tool Co., Fond du Lac, Wis.

11280—Pneumatic Flue Welders

See also Flue Welding Machines

Draper Mfg. Co. ("Draper Improved"), Port Huron, Mich.

MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

Pneumatic Forges

See Forges, Pneumatic

11281—Pneumatic Forging Hammers or Machines

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

Nazel Engineering & Machine Wks. ("Nazel"), 4049 N 5th, Phila., Pa.

Providence Press Machinery Co., Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*

Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*

Pneumatic Foundry Rammers

See Pneumatic Sand Rammers

Pneumatic Granite Cutters' Tools

See Pneumatic Stone Cutters' Tools

11282—Pneumatic Hammer Drills

Chicago Pneumatic Tool Co., 6 East 44th, New York. *See adv index at end of book*

Cleveland Pneumatic Tool Co., 3734 E 78th, Cleveland, O.
See adv index at end of book

Denver Rock Drill Mfg. Co. ("Waugh"), Denver, Colo.

Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.

INGERSOLL-RAND CO. ("Jackhamer," "Leyner-Ingersoll," "Jackstoper," "Butterfly"), 11 B'way, New York
See adv index at end of book

Sullivan Machinery Co. ("Sullivan"), Peoples Gas bldg, Chicago, Ill.

11283— Pneumatic Hammers

Canton Pneumatic Co., 1716 9th S W, Canton, O.

CHICAGO PNEUMATIC TOOL CO. ("Boyer," "Keller" Riveting & Chipping), 6 E 44th, New York
See adv index at end of book

CLEVELAND PNEUMATIC TOOL CO., 3734 E 78th, Cleveland, O.
See adv index at end of book

Dallett Thos. H. Co. ("Dallett" Stone Workers), 1324H Federal, Phila., Pa.

Dayton Pneumatic Tool Co. ("Green" & "Dayton," "Greater Dayton," Dayton, O.

Helwig Mfg. Co. ("Helwig," for Chipping, Calking & Riveting), St. Paul, Minn.

Independent Pneumatic Tool Co. ("Thor"), 600 W Jackson blvd, Chicago, Ill.

INGERSOLL-RAND CO., 11 B'way, New York *See adv index at end of book*

KING PNEUMATIC TOOL CO., 1736 Armitage av, Chicago, Ill.
See adv index at end of book

Nazel Engineering Works ("Nazel"), 4049 No. 5th, Phila., Pa.

Oldham Geo. & Son Co. (For Stone, Marble & Granite), 200H Scott, Baltimore, Md.

Pittsburgh Pneumatic Co., Canton, O.

PROVIDENCE PRESS MACHINERY CO. INC. ("Master"), Room 610, 110 W 40th, New York
See adv index at end of book

Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*

Shaw C. H. Pneumatic Tool Co., Denver, Colo.

Williams, White & Co. ("Yeakley"), 301 8th, Moline, Ill.

11284— Pneumatic Hoists

Abell-Howe Co., 53 W Jackson, Chicago, Ill.

CHICAGO PNEUMATIC TOOL CO. (Geared & Trolley Combined), 6 E 44th, New York
See adv index at end of book

Curtis & Co. Mfg. Co. (Vertical, Horizontal Traveling, etc), 1571 Kienlen av, St. Louis, Mo.

Dake Engine Co. (Chain or Wire Rope, Hook Type & Trolley Type), Grand Haven, Mich.

DETROIT HOIST & MACHINE CO., Detroit, Mich. *See adv index at end of book*

Hanna Engng. Wks. ("Q. M. S."), 1764 Elston, Chicago, Ill.

Independent Pneumatic Tool Co., 600 W Jackson blvd, Chicago, Ill.

INGERSOLL-RAND CO. ("Little Tugger"), 11 B'way, New York
See adv index at end of book

Kennedy Van Saun Mfg. & Eng. Corp., 50 Church, New York
See adv index at end of book

Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book

Northern Engineering Works, 210H Cheney, Detroit, Mich.

Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book

Ridgway Craig & Son Co.

Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*

Smith, Drum & Co. (Traveling & Stationery), Allegheny av & 5th, Phila., Pa.

Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.

Yale & Towne Mfg. Co., Dept. H, Stamford, Conn.

11285-6—Pneumatic Hose Couplings

CHICAGO PNEUMATIC TOOL CO. ("Chicago-Universal"), 6 E 44th, New York
See adv index at end of book

Clark W. J. Co. ("Quick-As-Wink"), Salem, O.

Cleveland Pneumatic Tool Co. ("Bowes"), 3734 E 78th, Cleveland, O.
See adv index at end of book

Curtis & Co. Mfg. Co. ("Curtis"), 1502 Kienlen av, St. Louis, Mo.

Dallett Thos. H. Co. ("Dallett' Automatic), 1324 Federal, Phila., Pa.

Edwards H. D. & Co. ("Joy" Automatic), 175 E Larned, Detroit, Mich.

Goodall Rubber Co., 11th & Arch, Phila., Pa.

Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.

Howell F. R. Brass Works, 122 N Franklin, Phila., Pa.

Hunt C. B. & Sons, McKinley av, Salem, O.
See adv index at end of book

Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book

Keller Pneumatic Tool Co. ("Thompson"), Fond du Lac, Wis.

King Pneumatic Tool Co., 1736 Armitage av, Chicago, Ill.
See adv index at end of book

Knox Mfg. Co., 821 Cherry, Phila., Pa.

Moran Flexible Steam Joint Co. (All Metal Flexible; also for Steam or Liquid), Louisville, Ky.

Morse A. J. & Son Inc., 221 High, Boston, Mass.

Mulconroy Co. ("Mulconroy" Couplings & Nipple), 54th & Jefferson, Phila., Pa.

Osgood J. L. Tool Co., 45 Pearl, Buffalo, N. Y.

Rauch Mfg. Co. ("Eureka," "Reliable"), Galena, Kansas

Wood Drill Works ("Wood"), Paterson, N. J.

11287—Pneumatic Jam Riveters

CHICAGO PNEUMATIC TOOL CO. ("Boyer"), 6 E 44th, New York
See adv index at end of book

Cleveland Pneumatic Tool Co., 3734 E 78th, Cleveland, O.
See adv index at end of book

Hanna Engineering Works ("Hanna"), 1764 Elston av, Chicago, Ill.

INGERSOLL-RAND CO. ("Little David"), 11 B'way, New York
See adv index at end of book

11288— Pneumatic Motors

CHICAGO PNEUMATIC TOOL CO. ("Little Giant"), 6 East 44th, New York
See adv index at end of book

Cleveland Pneumatic Tool Co. ("Cleveland"), 3734 E 78th, Cleveland, O.
See adv index at end of book

Dake Engine Co. (Reversible), Grand Haven, Mich.

DETROIT HOIST & MACHINE CO., Detroit, Mich. *See adv index at end of book*

Draper Mfg. Co. ("McGrath" for R. R. Turntables, etc), Port Huron, Mich.

Helwig Mfg. Co. ("Helwig" Reversible, Both End & Central Spindle for Metal & Wood Boring), St. Paul, Minn.

Independent Pneumatic Tool Co. ("Thor"), 600 W Jackson blvd, Chicago, Ill.

INGERSOLL-RAND CO. ("Little Tugger"), 11 B'way, New York
See adv index at end of book

11289-90—*Pneumatic Motors and Geared Pneumatic Hoists

CHICAGO PNEUMATIC TOOL CO., 6 E 44th, New York
See adv index at end of book

DETROIT HOIST & MACHINE CO., Detroit, Mich. *See adv index at end of book*

--PNEUMATIC MOTORS--
—AND—
Geared Pneumatic Hoists
DETROIT HOIST & MACHINE CO.
DETROIT, MICH.

Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book

11291—Pneumatic Pile Drivers

Browning Co. (Railroad Car), E 162d & Waterloo rd N E, Cleveland, Ohio

INGERSOLL-RAND CO. (Sheet), 11 B'way, New York
See adv index at end of book

McKiernan-Terry Drill Co., 17 Park row, New York

McMyler-Interstate Co. (The), Cleveland, Ohio *See adv index at end of book*

Pile Drivers
THE McMYLER INTERSTATE CO.
CLEVELAND
Sales offices in all principal cities

STANDARD CONVEYOR CO. ("Auto-Piler" Self Propelled Inclined), N St. Paul, Minn. *See adv index at end of book*

11292—Pneumatic Piston Drills

CHICAGO PNEUMATIC TOOL CO. ("Little Giant"), 6 East 44th, New York
See adv index at end of book

(Continued on following page)

Pneumatic Piston Drills—Continued

Cleveland Pneumatic Tool Co. ("Cleveland"), 3734 E 78th, Cleveland, O.
See adv index at end of book
Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.
Independent Pneumatic Tool Co. ("Thor" Air), 600 W Jackson blvd, Chicago, Ill.
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book

11293—Pneumatic Plug Drillers

Chicago Pneumatic Tool Co., 6 East 44th, New York. *See adv index at end of book*
Cleveland Rock Drill Co., 3734 E 78th, Cleveland, O.
Dallett Co. Thos. H. ("Dallett" Automatic), 1324 Federal, Phila., Pa.
Denver Rock Drill Mfg. Co. ("Waugh"), Denver, Colo.
Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.
Independent Pneumatic Tool Co., 600H W Jackson blvd, Chicago, Ill.
INGERSOLL-RAND CO. ("Butterfly," "Imperial," "Jackhamer"), 11 B'way, New York *See adv index at end of book*
Livingston Mfg. Co., Rockland, Me.
Shaw C. H. Pneumatic Tool Co., Denver, Colo.

11294—Pneumatic Presses

Providence Press Machinery Co. Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*
Slocomb F. F. & Co. ("Caskey"), 14th & Poplar, Wilmington, Del.
Southwark Foundry & Machine Co., 1128 S. 4th, Phila., Pa.
See adv index at end of book
Springfield Machine Tool Co. (Intensifying), Springfield, O.

11295—Pneumatic Pumping Systems

See also Pneumatic Water Supply System; also Pumps, Pneumatic

Chicago Pneumatic Tool Co., 6 East 44th, New York *See adv index at end of book*
Erwin & Co., 3736 Cottage Grove av, Chicago, Ill.
INGERSOLL-RAND CO. (Air Lift & Return-Air), 11 B'way, New York
See adv index at end of book
Van Nouhuys Mach'ne Works, Albany, N. Y.

11296— Pneumatic Punches

Hanna Engineering Works (Portable), 1764 Elston av, Chicago, Ill.
Slocomb F. F. & Co. ("Caskey" Portable), 14th & Poplar, Wilmington, Del.

11297—Pneumatic Reaming & Tapping Drills

CHICAGO PNEUMATIC TOOL CO., ("Little Giant"), 6 E 44th, New York
See adv index at end of book
Cleveland Pneumatic Tool Co. ("Cleveland"), 3734 E 78th, Cleveland, O.
See adv index at end of book
Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.
Independent Pneumatic Tool Co. ("Thor" Reversible), 600 W Jackson blvd, Chicago, Ill.
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book

11298—Pneumatic Reaming & Tapping Motors

Chicago Pneumatic Tool Co., 6 East 44th, New York *See adv index at end of book*
Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.
Keller Pneumatic Tool Co., Fond du Lac, Wis.

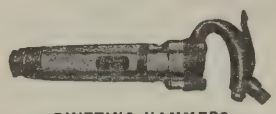
11299—Pneumatic Rivet Holder-On

CHICAGO PNEUMATIC TOOL CO., ("Boyer"), 6 E 44th, New York
See adv index at end of book
Cleveland Pneumatic Tool Co. ("Cleveland"), 3734 E 78th, Cleveland, O.
See adv index at end of book
Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.
Independent Pneumatic Tool Co., 600H W Jackson blvd, Chicago, Ill.
INGERSOLL-RAND CO., 11 B'way, New York *See adv index at end of book*
Pittsburgh Pneumatic Co., Canton, O.

11300— Pneumatic Rivet Sets

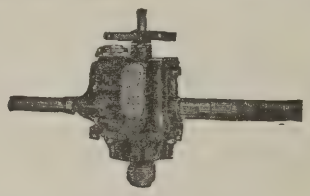
California Tool Works, 181 Beale, San Francisco
Chicago Pneumatic Tool Co., 6 East 44th, New York. *See adv index at end of book*
Cleveland Punch & Shear Works Co., 3917 St. Clair av, N E Cleveland, O.
See adv index at end of book
Cleveland Steel Tool Co., 660 E 82nd, Cleveland, O.
Helwig Mfg. Co., 422 E 7th, St. Paul, Minn

PNEUMATIC TOOLS



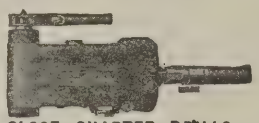
RIVETING HAMMERS

Distinctive in design and with superior power and ability to resist abuse. Built in suitable sizes—with inside or outside triggers, for all grades of work, and with or without safety rivet set retainers. Spend more time at work and less time in the repair shop than any other hammer.



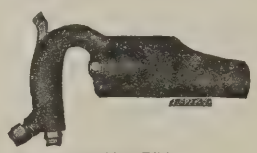
PNEUMATIC DRILLS

Reversible and Non-Reversible. For drilling, reaming, tapping, flue-rolling, running down screws, wood boring, etc. Built in a complete range of sizes and gearing combination—a tool for every grade of work. Without equal in simplicity and sturdiness of construction and economical operation.



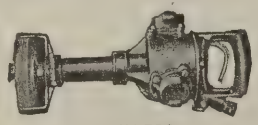
CLOSE QUARTER DRILLS

A special design pneumatic drill for work in corners and places where other drills cannot be used. Very simple and rugged construction with half the number of parts of any other tool for the same use. Develop fifty per cent more power than any similar size drill. Built in two sizes.



CHIPPERS

Built in nine types and sizes. With features different from any other chipper. Handle is securely bolted to barrel, overcoming troublesome features in previous types of chippers. Unequalled in low cost of maintenance.



GRINDERS

Especially designed for grinding work and operating at high speeds. Not an adaptation of another type tool. Built in three types and sizes. They are light in weight, high powered, free from vibration and stand up to the severest of grinding work.

AIR MOTOR HOISTS

Built in five sizes, capacities ½ to 5 tons. Consist of high-duty air motor geared to hoisting drum and very efficient in operation. Features are safety, perfect control, no vibration and cannot be injured by overloading.

SAND RAMMERS

Both Floor and Bench Types. Ingersoll-Rand Rammers have been standard sand rammers in majority of air equipped foundries for over twenty years. Known for their ability to turn out most work at least cost. Also used for backfill ramming.

Ingersoll-Rand
11 Broadway, New York City

King Pneumatic Tool Co., 1736 Armitage av, Chicago, Ill.
See adv index at end of book
Scully Steel & Iron Co., New Continental & Commercial Bank bldg, Chicago, Ill.
Ward Tool & Forging Co., Latrobe, Pa.

11301— Pneumatic Riveters

See also Hammers, Riveting

ALLEN JNO. F. CO. (Percussion & Compression), 370 Gerard av, New York
Bethlehem Steel Co., Bethlehem, Pa.
Canton Pneumatic Co., 1716 9th S W, Canton, O.
Chambersburg Engineering Co. (Heavy), Chambersburg, Pa.
CHICAGO PNEUMATIC TOOL CO. ("Boyer"), 6 E 44th, New York
See adv index at end of book
CLEVELAND PNEUMATIC TOOL CO. ("Cleveland"), 3734 E 78th, Cleveland, Ohio *See adv index at end of book*
Dayton Pneumatic Tool Co., Dayton, O.
Grant Mfg. & Machine Co. ("Grant"), Bridgeport, Conn.
Hanna Engineering Works ("Hanna," Hydro-Pneu & Plain Toggle), 1764 Elston av, Chicago, Ill.
Hardsocg Wonder Drill Co. ("Wonder" for Boilers, Tanks, etc), Ottumwa, Ia.
Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.
Independent Pneumatic Tool Co. ("Thor"), 600 W Jackson blvd, Chicago, Ill.
INGERSOLL-RAND CO. ("Little David," "Imperial" & "Crown"), 11 B'way, New York *See adv index at end of book*
Keller Pneumatic Tool Co., Fond du Lac, Wis.
KING PNEUMATIC TOOL CO., 1736 Armitage av, Chicago, Ill.
See adv index at end of book
Oldham Geo. & Son Co., 200 Scott, Baltimore, Md.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Slocomb F. F. & Co. ("Caskey"), 14th & Poplar, Wilmington, Del.
SOUTHWARK FOUNDRY & MACHINE CO., 1128 S 4th, Phila., Pa.
See adv index at end of book
Watson-Stillman Co., 38 Church, New York *See adv index at end of book*

11302—Pneumatic Rock Drills

See also Pneumatic Plug Drillers

CHICAGO PNEUMATIC TOOL CO. ("C. P."), 6 E 44th, New York
See adv index at end of book
Cleveland Pneumatic Tool Co., 3734 E 78th, Cleveland, O.
See adv index at end of book
Cleveland Rock Drill Co., 3734 E 78th, Cleveland, O.
Cochise Machine Co., Los Angeles, Cal.
Denver Rock Drill Mfg. Co. ("Waugh"), Denver, Colo.
Hardsocg Wonder Drill Co. ("Hardsocg," "Wonder"), Ottumwa, Ia.
Helwig Mfg. Co., 422 E 7th, St. Paul, Minn.
INGERSOLL-RAND CO. ("Sergeant," "Butterfly," "Leyner-Ingersoll"), 11 B'way, New York
See adv index at end of book
Mine & Smelter Supply Co. ("Holman"), 42 B'way, New York
Wickes Machinery Co. ("Murphy's" Little Champion), Jersey City, N. J.
Wood Drill Works, Paterson, N. J.

11303—Pneumatic Rotary Drills

Chicago Pneumatic Tool Co., 6 East 44th, New York *See adv index at end of book*
CLEVELAND PNEUMATIC TOOL CO. ("Cleveland"), 3734 E 78th, Cleveland, Ohio *See adv index at end of book*
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book

11304-5—Pneumatic Sand Rammers

See also Rammers, Foundry

CHICAGO PNEUMATIC TOOL CO. ("Boyer" & "Keller"), 6 East 44th, New York *See adv index at end of book*
Cleveland Pneumatic Tool Co. (Bench & Floor), 3734 E 78th, Cleveland, Ohio
See adv index at end of book
Dayton Pneumatic Tool Co., Dayton, O.
Independent Pneumatic Tool Co. ("Thor"), 600 W Jackson blvd, Chicago, Ill.
INGERSOLL-RAND CO., 11 B'way, New York *See adv index at end of book*
Keller Pneumatic Tool Co., Fond du Lac, Wis.
Pittsburgh Pneumatic Co., Canton, O.

Pneumatic Sand Sifters

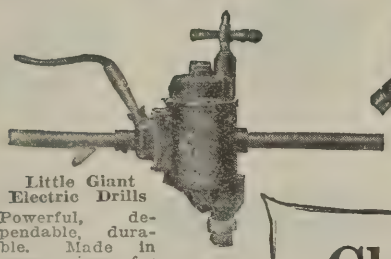
See Sifters, Sand, with the Word "Pneumatic" Following the Names

11306—Pneumatic Scaling Hammers

For Scaling Castings, Etc

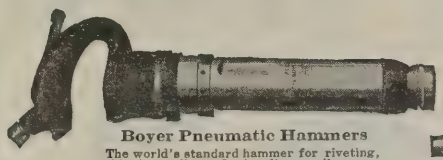
CHICAGO PNEUMATIC TOOL CO. ("Boyer," "Keller"), 6 E 44th, New York *See adv index at end of book*
Cleveland Pneumatic Tool Co. ("Cleveland"), 3734 E 78th, Cleveland, O.
See adv index at end of book
Detroit Steel & Casting Co., 4069H Michigan, Detroit, Mich.
Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.
Independent Pneumatic Tool Co. ("Thor"), 600 W Jackson blvd, Chicago, Ill.
INGERSOLL-RAND CO., 11 B'way, New York *See adv index at end of book*

(*Continued on page* 1716)



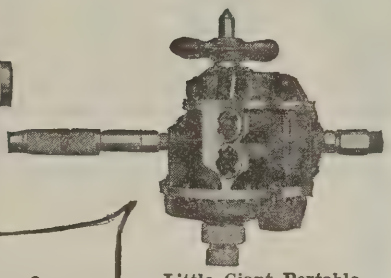
Little Giant Electric Drills

Powerful, dependable, durable. Made in many sizes for operation on A. C., D. C. or "Universal" current.



Boyer Pneumatic Hammers

The world's standard hammer for riveting, chipping, calking, flue beading, scaling, etc.



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Made in a complete line for drilling, reaming, tapping, screw and bolt setting, wood boring, etc.

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Burners—Oil
Chisel Blanks
Chucks—Drill
Chucks—Vacuum
Circuit Breakers—Electric
Clay Diggers—Pneumatic
Compressors—Air, Portable and Stationary (oil, gas, gasoline, steam, electric motor and belted types)
Couplings—Hose
Drift-Bolt Drivers—Air
Drills—Air, Coal
Drills—Air, Close-Quarters
Drills—Air, Rock
Drills—Air and Electric Wood-boring
Drills—Air, Portable
Drills—Electric—Portable—Direct, Alternating and Universal Current
Drills—Electric, Coal
Drills—Electric, Hammer
Drills—Electric, Track
Drilling Stands—Electric
Engine—Gas, Oil (Semi-Diesel)
Grinders—Pneumatic, Portable
Grinders—Electric, Portable
Grinders—Electric, Precision
Grinders—Electric, Tool-Post
Hammers—Pneumatic, Beading
Hammers—Pneumatic, Calking
Hammers—Pneumatic, Chipping
Hammers—Pneumatic, Riveting
Hammers—Pneumatic, Scaling
Hoists—Air, Combination
Hoists—Air, Geared
Hoists—Air, Mine
Hoists—Air, Universal
Holder-Ons—Pneumatic
Hose—Air
Hose Couplings
Lubricants—Pneumatic Tools
Motors—Air
Multiblasters—Sand and Paint
Pumps, Vacuum
Rammers—Air, Sand and Back-fill
Receivers—Air
Recorders—Speed (Railway)
Rivet Busters
Rivet Cutters
Rivet Sets
Riveters—Jam
Riveters—Pedestal
Riveters—Shell
Riveters—Staybolt
Riveters—Yoke
Stone Tools—Pneumatic
Winches—Air (Portable)

Bulletins descriptive of any of the foregoing will be furnished upon request.

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(For list see Index to Advertisers)

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Easy to handle and control, economical to operate. Made in a complete line.



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A light weight machine (118 lbs.) that equals the performance of 35 to 60 lb. heavier drifters, with an easier operation, longer wearing ability and lower maintenance.



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Made in capacities from 1 to 10 tons, both portable and trolley mounted types.



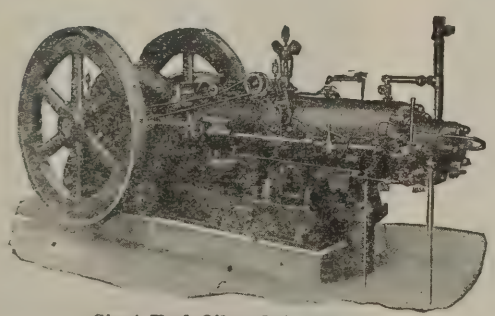
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Depth, 10-16 feet. Their light weight, operating economy, reliability and high drilling speed have made them a success wherever used.

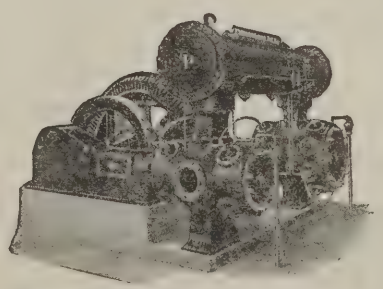


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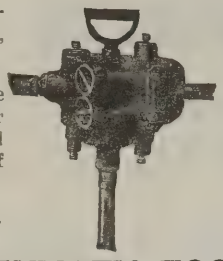
CLEVELAND AIR TOOLS



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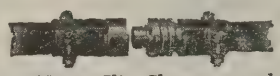


Style A.

Style R. A.

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The Bowes is instantly connected or disconnected.



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Pneumatic Scaling Hammers—Cont.

Keller Pneumatic Tool Co., Fond du Lac, Wis.
King Pneumatic Tool Co., 1736 Armitage av, Chicago, Ill.
See adv index at end of book

11307—Pneumatic Staybolt Breakers

Chicago Pneumatic Tool Co., 6 East 44th, New York *See adv index at end of book*
King Pneumatic Tool Co., 1736 Armitage av, Chicago, Ill.
See adv index at end of book

11308—Pneumatic Staybolt Clippers

Chicago Pneumatic Tool Co., 6 East 44th, New York *See adv index at end of book*
Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.

11309-10—Pneumatic Staybolt Cutters

See also Cutters, Staybolt

Baird Pneumatic Tool Co. (Portable Punch & Riveter), 432 Rialto bldg, Kansas City, Mo.
CHICAGO PNEUMATIC TOOL CO., 6 E 44th, New York
See adv index at end of book
Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.
King Pneumatic Tool Co., 1736 Armitage av, Chicago, Ill.
See adv index at end of book

11311—Pneumatic Stone Carving Tools

CHICAGO PNEUMATIC TOOL CO. ("Boyer"), 6 E 44th, New York
See adv index at end of book
Dallett Thos. H. Co. ("Dallett"), 1324H Federal, Phila., Pa.
Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
Oldham Geo. & Son Co., 200 Scott, Baltimore, Md.
Trow & Holden Co., Barre, Vt.

11312—Pneumatic Stone Cutters' Tools

CHICAGO PNEUMATIC TOOL CO. ("Keller"), 6 E 44th, New York
See adv index at end of book
Dallett Thos. H. Co. ("Dallett"), 1324 Federal, Phila., Pa.
Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
Oldham Geo. & Son Co., 200 Scott, Baltimore, Md.
Trow & Holden Co. ("Barre"), Barre, Vt.

11313—Pneumatic Stone Surfacing Machines

CHICAGO PNEUMATIC TOOL CO. ("Boyer"), 6 E 44th, New York
See adv index at end of book
Dallett Thos. H. Co. ("Dallett"), 1324 Federal, Phila., Pa.
Livingston Mfg. Co., Rockland, Me.
Oldham Geo. & Son Co., 200 Scott, Baltimore, Md.
Trow & Holden Co., Barre, Vt.

11314—*Pneumatic Tool Appliances

CHICAGO PNEUMATIC TOOL CO., 6 E, 44th, New York
See adv index at end of book
King Pneumatic Tool Co., 1736 Armitage av, Chicago, Ill.
See adv index at end of book

11315—Pneumatic Tool Lubricants

Chicago Pneumatic Tool Co., 6 East 44th, New York *See adv index at end of book*
Cleveland Pneumatic Tool Co. ("Cleveland"), 3734 E 78th, Cleveland, O.
See adv index at end of book
Houghton E. F. & Co., 240 W. Somerset, Phila, Pa.
King Pneumatic Tool Co., 1736 Armitage av, Chicago, Ill.
See adv index at end of book
Zurn O. F. Co. ("Pneuoxyum"), Broad & Lehigh, Phila., Pa.

11316—Pneumatic Tool Lubricators

American Electric Air Pump Co. ("Pittsburgh"), Penn & Barbeau, Pittsburgh, Pa.
CHICAGO PNEUMATIC TOOL CO., 6 E, 44th, New York
See adv index at end of book

11317— Pneumatic Tools

Atlas Engng. Co., Lincoln, N. J.
Canton Pneumatic Co., 1716 9th S W., Canton, O.
CHICAGO PNEUMATIC TOOL CO., 6 E, 44th, New York
See adv index at end of book
Cleveland Pneumatic Tool Co. (We manufacture and carry in stock a complete assortment of sizes of Cleco Ball Bearing Air Drills, both plain and compound geared, Corner Drills, Breast Drills, etc., also Sand Rammers for Floor, Flask, Bench and Core Ramming, Portable Ball Bearing Air Grinders for medium and heavy grinding, Pocket-in-Head Riveting Hammers, Chipping, Calking and Scaling Hammers. We carry in stock a complete line of Cleco Pressure-Seated Air Valves—a valve that requires no packing, springs or discs, but is made tight by air pressure; also a complete line of Bowes quick detachable Hose Couplings. Write for further particulars), 3734 E 78th, Cleveland, Ohio
See adv index at end of book
Dallett Thos. H. Co. ("Dallett"), 1324 Federal, Phila., Pa.
Dayton Pneumatic Tool Co. ("Green" & "Dayton"), Dayton, O.
Dopp J. W. & Co. (Dealers), 18 W Columbia, Detroit, Mich.
Essley E. L. Machinery Co. (Brass & Iron Working), 555 Washington blvd, Chicago, Ill.
Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.
Independent Pneumatic Tool Co. ("Thor"), 600 W Jackson blvd, Chicago, Ill.
INGERSOLL-RAND CO., 11 B'way, New York *See adv index at end of book*
Keller Pneumatic Tool Co., Fond du Lac, Wis.
KING PNEUMATIC TOOL CO., 1736 Armitage av, Chicago, Ill.
See adv index at end of book
Kotten Machine Co., Bergen & Kearney av, Jersey City, N. J.
Liberty Tool Mfg. Co., Hagerstown, Md.
Livingston Mfg. Co. (Carving), Rockland, Me.
Manitowoc Ship Bldg Co. ("Gunnell" Holder Ons.), Manitowoc, Wis.
Oldham Geo. & Son Co., 200 Scott, Baltimore, Md.
Rix Compressed Air & Drill Co., 219 E 3rd, Los Angeles, Cal.
Schramm Chris. D. & Sons Inc., 709 Arch, Phila., Pa.
Slocomb F. F. & Co. (Punches and Riveters), 14th & Popular), Wilmington, Del

11318— Pneumatic Tubes

American Pneumatic Service Co., 82 Ames bldg, Boston, Mass.
American Tube Works (Seamless Drawn Brass & Copper), 10 Oliver, Boston, Mass.
Double Fabric Tire Co., Dept. H, Auburn, Ind.
Lamson Co., Inc., Syracuse, N. Y.
Perfection Tire & Rubber Co. (Tire), Fort Madison, Ia.
STANDARD CONVEYOR CO. (Tube Systems), N. St. Paul, Minn.
See adv index at end of book
Universal Tube Co., 120 N May, Chicago, Ill.

11319—Pneumatic Tubes & Caissons for Bridge Piers

Builders Iron Foundry ("Builders"), 9 Codding, Providence, R. I.
National Supply & Mfg. Co., 2362 Palm, St. Louis, Mo.

11320—Pneumatic Water Supply Systems

See also Pneumatic Pumping Systems

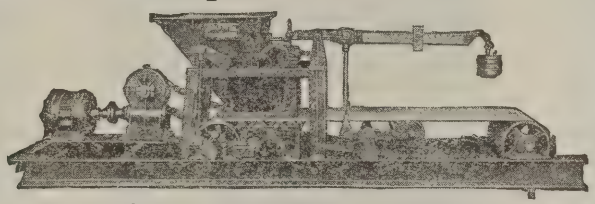
Andrews Heating Co. ("Andrew's Air Pressure, Minneapolis, Minn.
Aldrich Pump Co., ft. of Pine, Allentown, Pa.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
Bennett Bros. Co. ("Ideal"), Lowell, Mass.
Butler Co., Butler, Ind.
California Pump Co., 568 Howard, San Francisco, Cal.
Carter Ralph B. Co., 152 Chambers, New York
Celina Mfg. Co., Celina, O.
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Chicago Pneumatic Tool Co., 6 East 44th, New York *See adv index at end of book*
DEMING CO. (Hydro-pneumatic), Salem, Ohio
See adv index at end of book
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Fleck Bros. Co. ("Neptune"), 44 N 5th, Phila., Pa.
Flint & Walling Mfg. Co. ("Hoosier"), Kendallville, Ind.
Goulds Mfg. Co., Seneca Falls, N. Y.
Heller-Aller Co., Napoleon, O.
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Ingersoll-Rand Co. (Air Lift), 11 B'way, New York *See adv index at end of book*
Leader Iron Works ("Leader" Water Systems), Decatur, Ill.
Luitwieler Pumping Engine Co., Rochester, N. Y.
Lunt-Moss Co., 43 So Market, Boston, Mass.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
Murphy & Walsh, Pekin, Ill.
National Steel Tank & Mfg. Co. ("National"), Bradford, Ill.
New York Central Iron Wks. Co., Inc., Dept. H, Hagerstown, Md.
Pacific Pump & Supply Co. (Jobbers), 853 Folsom, San Francisco, Cal.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Quick & Thomas Co., Auburn, N. Y.
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11321-2—Pneumatic Winches

CHICAGO PNEUMATIC TOOL CO. (Air Operated), 6 E 44th, New York
See adv index at end of book

11323—Pneumatic Wood Boring Machines

CHICAGO PNEUMATIC TOOL CO. ("Little Giant"), 6 E 44th, New York
See adv index at end of book
Cleveland Pneumatic Tool Co. ("Cleveland"), 3734 E 78th, Cleveland, O.
See adv index at end of book
Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.
Independent Pneumatic Tool Co. ("Thor" Reversible), 600 W Jackson blvd, Chicago, Ill.
INGERSOLL-RAND CO., 11 B'way, New York *See adv index at end of book*
Keller Pneumatic Tool Co., Fond du Lac, Wis.

11324—Pneumatic Wood Carving Tools

CHICAGO PNEUMATIC TOOL CO. ("Boyer"), 6 E 44th, New York
See adv index at end of book
Dallett Thos. H. Co. ("Dallett"), 1324 Federal, Phila., Pa.

11325—Pneumatic Yoke Riveters

CHICAGO PNEUMATIC TOOL CO., 6 E 44th, New York
See adv index at end of book
Hanna Engineering Works ("Hanna" Plain Toggle), 1764 Elston av, Chicago, Ill.

11326— Poachers (Egg)

Columbian Enameling & Stamping Co., Terre Haute, Ind.
Lalance & Gosjean Mfg. Co., 299 B'way, New York
Republic Metalware Co. ("Buffalo" Steam), 100 Alabama, Buffalo, N. Y.
Silver & Co., 304 Hewes, Brooklyn, N. Y.
Wolverine Supply & Mfg. Co., Page & Fontella, Pittsburgh, Pa.

11327—Pocket Book & Bag Frames

Carr M. W. & Co., West Somerville, Mass.
Diffany & Co. (Silver), 436 Mulberry, Newark, N. J.
Eastern Tool & Mfg. Co. (Hand-Bag Trimmings), Bloomfield av, Bloomfield, N. J.
Goertz Aug. & Co., 276 Morris av, Newark, N. J.
Havell Mfg. Co., 284 Washington, Newark, N. J.
Mergott J. E. Co., 366 Jelliff av, Newark, N. J.
Osborn J. K. Manfg. Co., Harrison, N. J.
ROYAL COMB CO. ("Pyroxolyn"), 180 Pond, Leominster, Mass.
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
See adv index at end of book
Zinn Simon, Inc., 25th & 11th av, New York

11328— Pockets (Coal)

Bergen Point Iron Wks., Bayonne, N. J.
CRAINE SILO CO., INC., 27 Sheldon st, Norwich, N. Y.
See adv index at end of book
Crane Co., 836 S. Michigan av, Chicago, Ill. *See adv index at end of book*
Dempcy Degener Co., 708 Penn av, Pittsburgh, Pa.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Hendrick Mfg. Co., Carbondale, Pa.
Howe Scale Co. of Illinois, 1222 S Wabash, Chicago, Ill.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Mobile Steel Co., Mobile, Ala.
Polk Genung Polk Co. (Concrete), Dept. H, Fort Branch, Ind.
Schlichter E. F. Co., 10 S 18th, Phila., Pa.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
WOOLFORD G. WOOD TANK MFG. CO., 72d & Woodland, Phila., Pa.
See adv index at end of book

11329—Pockets (Cotton Waste)

Knapp Mfg. & Supply Co., 241 Water, New York

11330— Pockets (Draw Bar)

Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.

11331-2— Pockets (Drip)

Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.

11333— Pockets (Stake)

Richards-Wilcox Mfg. Co. ("Richards" Steel), Aurora, Ill.
See adv index at end of book
St. Louis Hardware Mfg. Co., 1509 W 18th, St. Louis, Mo.

11333a— Pockets (Wall)

American Wall Pocket Mfg. Co., 1019 Main, Buffalo, N. Y.
Hagelberg W., Inc., 514 Broadway, New York
Harder & Boesenberg, 377 B'way, New York
Metropolitan Imptg. & Mfg. Co., 423 W 55th New York
Osterman H. G. Co., 29 B'way, New York
U. S. Wall Pocket Mfg. Co., 423 W 55th, New York
Walcutt Bros. Co., 141-155 E 25th, New York

11333b—*Poidometer Mfrs.

Harder Ad & Bresenberg, 377 B'way, New York
SCHAFFER POIDOMETER CO., FORMERLY SCHAFFER ENGINEERING & EQUIPMENT CO., 2828 Smallman, Pittsburgh, Pa.
See adv index at end of book

11334—*Pointers (Blackboard)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*

11335— Pointers (Dowel)

Braunsdorf-Mueller Co., Elizabeth, N. J.
Cincinnati Tool Co. ("Hargrave"), Main & Waverly av, Cincinnati, Ohio

11336— Pointers (Spoke)

See also Trimmers, Spoke

Buckeye Mfg. & Fdy. Co., 2046 W 55th, Cleveland, O.
Cincinnati Tool Co. ("Hargrave"), Main & Waverly av, Cincinnati, Ohio
Southington Mfg. Co., Southington, Conn.
Swan Jas. Co., Seymour, Conn.
Wood A. A. & Sons Co., Atlanta, Ga.

11337— Pointers (Wire)

Magnus Electric Co., Inc., 451 Greenwich, New York
Vaughn Machinery Co., Cuyahoga Falls, Ohio
Welch T. F. Co., 55 Sudbury, Boston, Mass.

11337a—Points Burning (Monel Metal)

American Bolt Corp., 17 Battery pl, New York
Drew & Co. C., Kingston, Mass.
Duff Mfg. Co., Pittsburgh, Pa.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Steel Improvement & Forge Co., Cleveland, O.
Steel Sales Corp., 129 S Jefferson, Chicago, Ill.

Points (Carbon)

See Tools, Diamond

11337b—Points (Contact & Sparking)

American Platinum Works ,Platinum for Spark Coils), 231 & N. J. R. R. av, Newark, N. J.
Baker & Co (Platinum for Gas & Gasoline Engines), 54 Austin, Newark, N. J.
Brown & Caine ("Bee Cee"), 2317 Calumet av, Chicago, Ill.
Eby H. H. Mfg. Co., 40 S. 7th, Phila., Pa.
Fansteel Products Co., Inc. (Tungsten), No. Chicago, Ill.
K. W. Ignition Co. ("K-W," "Sparkite"), Chester av & E. 35th, Cleveland, O.
Magnus Electric Co., Inc. ("Magnus"), 451 Greenwich, New York
Marshall-Gerken, 27 Ontario, Toledo, O.
Niehoff Paul G. & Co., 232 E Ohio, Chicago, Ill.
Pfanstiehl Co. (Tungsten & Molybdenum), No. Chicago, Ill.
Rich-Alloy Co., 13223 Euclid av, Cleveland, O.
WILSON H. A. CO. ("Wilco" Platinum & Silver), 99 Chestnut, Newark, N. J.
Woodside Electric'l Shops Co., Metuchen, N. J.

11338— Points (Cultivator)

See also Points, Plow

Bethlehem Steel Co., Bethlehem, Pa.
Henry & Allen, Auburn, N. Y.
Mason F. C. & Co. (Spring Tooth, Single & Double Pointed), St. Johns, Mich.

11338a—*Points (Dental Polishing)

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

11339— Points (Drill)

Chicago Expansion Bolt Co. ("Chicago"), 324 W Washington, Chicago, Ill.
Goodell-Pratt Co. (Plain or Fluted Shank), Greenfield, Mass.
Hubbard & Co., 63d & Butler, Pittsburgh, Pa.
Millers Falls Co. (For Hand Drills), Millers Falls, Mass.
Union Twist Drill Co. (Guiding Drill Points), Athol, Mass.

11340— Points (Drive Well)

Flint & Walling Mfg. Co., Kendallville, Ind.
Gowanda Agricultural Works, Gowanda, N. Y.
McEvoy J. H. & Co., Houston, Tex.
Mark Mfg. Co., Evanston, Ill.
Stancliff Well Screen & Mfg. Co., Houston, Texas
Walworth Mfg. Co., 82H Pearl, Boston, Mass.

11341— Points (Glazier's)

Atlas Tack Co., Fairhaven, Mass.
Austin & Eddy ("Peerless"), 117 Broad, Boston, Mass.
Dreer Henry A. ("Dreer's Peerless"), 1304 Spring Garden, Philadelphia, Pa.
Holland Mfg. Co. (Zinc), Central av & Bank, Baltimore, Md.
Hubbard & McClary, Windsor, Vt.
Maze W. H. Co. ("Zinc City"), Peru, Ill.
National Sheet Metal Co. (Zinc & Galvanized), Peru, Ill.
Penn Tack Co., Norristown, Pa.
Phillips E. & Sons, South Hanover, Mass.
Shelton Tack Co., Shelton, Conn.

11342— Points (Grain Drill)

Bethlehem Steel Co., Bethlehem, Pa.
Crescent Forge & Shovel Co., Havana, Ill.
Empire Plow Co., 3140 65th, Cleveland, O.
Herschel R. Mfg. Co., Peoria, Ill.
Mason F. C. & Co., St. Johns, Mich.
Noll Bros., 849 Allis, Milwaukee, Wis.

11343-4— Points (Harrow)

American Knife Co. (Reversible & Detachable), Baldwinsville, N. Y.
Henry & Allen (Harrow Teeth Reversible), Auburn, N. Y.

11345-6—Points (Linoleum)

Maze W. H. Co. ("Zinc City" Steel), Peru, Ill.

11347-8—Points (Picture Frame)

Interstate Corrugated Box Co., 75 Front, Brooklyn, N. Y.
Maze W. H. Co. (Steel), Peru, Ill.
Parker Wire Goods Co., Worcester, Mass.
Shelton Tack Co., Shelton, Conn.
Thompson & Norris Co., The (Corrugated), 212 Concord, Brooklyn, N. Y.

11349— Points (Plow)

See also Points, Cultivator

McMaster R. C., Adamsville, Pa.
Moore Plow & Implement Co. ("Moore"), Greenville, Mich.

11350— Points (Seeder)

Noll Bros., 849 Allis, Milwaukee, Wis.

11351— Points (Switch)

Bethlehem Steel Co. ("Manard"), S Bethlehem, Pa.
Cincinnati Frog & Switch Co., Madison rd & B. & O. O., Okley, Cincinnati, O.
EBY H. H. MFG. CO., 40 S. 7th, Phila., Pa.
Frog Switch & Mfg. Co. (Open Hearth), Carlisle, Pa.
Wharton Wm. Jr. & Co., Inc. (Plain & "Tisco" Manganese, Steel Tipped), Easton, Pa.

11352— Points (Trammel)

Disston Henry & Sons, Tacony, Phila., Pa.
Goodell-Pratt Co., Greenfield, Mass.
Stanley Rule & Level Co., New Britain, Conn.
Starrett L. S. Co., Athol, Mass.

11353— Poker Chips

Bechtold E. E. ("Diamond" Nolaeless Paper), 1928 Wabash av, Chicago, Ill.
Celluloid Co. (Celluloid), 36 Washington pl, New York
Dennison Mfg. Co., So. Framingham, Mass.
DU PONT E. I. de NEMOURS & CO., INC., Poughkeepsie Plant, Poughkeepsie, N. Y.
See adv index at end of book
Electrose Mfg. Co. ("Electrose"), 70 Washington, Brooklyn, N. Y.
Goodrich B. F. Co. (Soft Rubber), Akron, Ohio
Kyoto Mfg. & Trading Co., 31 E 17th, New York
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
See adv index at end of book

11354— Pokers (Stove)

Adams Co. (& Furnace), Dubuque, Ia.
Arcade Mfg. Co. ("Siberian" & "Serpentine"), Freeport, Ill.
Auer John, Jr. (Wrought), 197 Middleton, Brooklyn, N. Y.
Cassady Fairbank Mfg. Co. ("Star," Perforated Handle; also Wire & Wood Handles), 6126 S La Salle, Chicago, Ill.
Central Stamping Co., 208 B'way, New York
Dover Stamping & Mfg. Co., Cambridge, Mass.
Fanner Mfg. Co. ("Arctic," Wire & Loop Handle), Cleveland, O.
Ireland & Matthews Mfg. Co., Beard & Chatfield, Detroit, Mich.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Lynd L. E. Mfg. Co. ("Zero"), Mechanicsville, N. Y.
Pfeifer John & Co. (Ltd.), 222 Race, Phila., Pa.
Stover Mfg. & Engine Co. ("Ideal" Wire Handle; also Furnace Pokers), Freeport, Ill.
Troy Nickel Works, Albany, N. Y.
Wehrle Co., Newark, O.
Wickwire Spencer Steel Corp. ("Eclipse"), 41 E 42nd, New York
See adv index at end of book
Washburn Co. (Wire Goods Div.), 28 Union, Worcester, Mass.

11355-6-7—Pokes (Animal)

Ely Theo. J. Mfg. Co. (Horse), Girard, Pa.
Hudson Mfg. Co., 324 3d av N, Minneapolis, Minn.
Hughes & Smythe ("Galena," "Never-Fail," "Victor"), Galena, O.
Lansing Co. ("Herbert" Horse), Lansing, Mich.
Osmundson Spade Mfg. Co. ("Norwegian" Steel), Perry, Ia.
Weathers Poke Co., Windsor, Mo.
Washburn Co. (Wire Goods Div.), 28 Union, Worcester, Mass.

Pole-Crabs

See Crabs (Pole)

11358—Poles (Awning, Tent, Etc.)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Empire Ladder & Pole Co., 154 1st, Newark, N. J.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Humphrys' R. A. Sons (Iron & Steel), 1026 Callowhill, Phila., Pa.
See adv index at end of book
Stevenson Mfg. Co. (Wood), South Bend, Ind. *See adv index at end of book.*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book

11359— Poles (Barbers')

Barker Jas., 6th & Cayuga, Phila., Pa.
Chisholm Co., 178 Center, New York
Koken Barbers' Supply Co., Sidney & Texas, St. Louis, Mo.
Schunk & Ogg, 115 4th av, New York

11360—Poles (Cement & Concrete)

Chicago Concrete Post Co., 4727 N Lamon, Chicago, Ill.
Edgcumbe-Parks Co., Benton Harbor, Mich.
Great Lakes Dredge & Dock Co. (Concrete Poles), 104 S Michigan av, Chicago, Ill.
Massey Concrete Products Co. (Telegraph), H People's Gas bldg, Chicago, Ill.
Valentine J. E., Abilene, Kans.

11360a— Poles (Clothes)

Cincinnati Iron Fence Co., 3312 Spring Grove av, Cincinnati, Ohio
See adv index at end of book
Pfaff & Kendall ("Wash Day"), 655 Ferry, Newark, N. J.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Teepe J. Chas., Inc., Mott & Vernon avs, Long Island City, N. Y.

11361— Poles (Cross Span)

Archbold-Brady Co. (For Electric Railways), Syracuse, N. Y.
Electric Railway Equipment Co., Cincinnati, Ohio

11362— Poles (Curtain)

Berbecker & Rowland Mfg. Co. (Brass, also Trimmings), Waterville, Conn.
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons (Wood), 364 5th av, New York *See adv index at end of book*
Gravely B. F. & R. P. (Wood), Martinsville, Va.
Judd H. L. Co. (Wood), 87 Chambers, New York
Kolar Bros. (Wood), 9 Baxter, New York
Kroder Jno. & Henry, Reubel Co. (Brass & Wood Poles & Trimmings), 107 E 17th, New York
Roos Mfg. Co. (Wood), 967 W 20th, Chicago, Ill.
Stewart G. S. Co. (Wood), Norwalk, O.
Webb Mfg. Co. (Wood), Brookville, Pa.

11363— Poles (Engine Push)

Ransome Concrete Machinery Co., Dunellen, N. J.

11364— Poles (Fishing)

See also Rods, Fishing

Benneche Edw. & Bro. (Bamboo & Cane), 563 Broadway, New York
Frazar & Co. (Japan Bamboo), 30 Church, New York
Maus Geo. H. (Japan Bamboo), Amsterdam, N. Y.
Pollak Steel Co. (Oil Well), Cincinnati, O.

11365—Poles (Flag, Iron & Steel)

CHICAGO STEEL POST CO. (Transmission), 209 N Michigan av, Chicago, Ill.
Crown Iron Works Co., 1229 Tyler, Minneapolis, Minn.
Dow Co., 201H N Buchanon, Louisville, Ky.
Flour City Ornamental Iron Co., 27th & 27th av, Minneapolis, Minn.
Greenlie-Halliday Co. (Dirs.), 499 Water, New York
Humphrys' R. A. Sons, 1026 Callowhill, Phila. Pa. *See adv index at end of book*
Jones Thomas W. (Fittings Only), 153 Maiden lane, New York
Meyers Fred J. Mfg. Co., Hamilton, O.
Milliken Bros., Staten Island, N. Y.
National Tube Co., Frick bldg, Pittsburgh, Pa.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
POLE & TUBE WORKS INC., av D & Murray, Newark, N. J.
Republic Structural Iron Works (Dirs.), 1350 E 53d, Cleveland, O.
St. Louis Car Wheel Co., St. Louis, Mo.
SIMMONS JOHN CO., 110 Centre, New York *See adv index at end of book*
TYLER W. S. CO., Cleveland, O.
See adv index at end of book
Van Dorn Iron Works Co. (The), 2700 E 79th, Cleveland, Ohio
See adv index at end of book

11366— Poles (Flag, Wood)

Bolander, L. Ph. & Son, 954 Bryant, San Francisco, Cal.
Boston Oregon Mast Co., 131 Coleridge, E Boston, Mass.
Brinser E. C. Sons, Richmond, Va.
Chesebro, Whitman Co., 1167 1st av, New York
Corbett & Co., 429 E 109th, New York
Empire Ladder & Pole Co., 154 1st, Newark, N. J.
Humphrys' R. A. Sons, 1026 Callowhill, Phila. Pa. *See adv index at end of book*
Kolar Bros., 9 Baxter, New York
National Mill & Lbr. Co., 20 Market, San Francisco, Cal.
Portland Extension Ladder Co. (and Steel), 130 Orange, Newark, N. J
Reilley Bros. Ladder Co., 324 W 41st, New York
Sanders Bros. Mfg. Co., Ottawa, Ill.
Serfas Lumber Co., Drake bldg, Easton, Cal.
Union Spar Co., Gloucester, Mass.
Welch W. M. Scientific Co., 1516 Orleans, Chicago, Ill.
Wilcox Crittenden & Co. Inc. (With Elec. Lights for Launches), 444 S Main, Middletown, Conn.
See adv index at end of book

11367— Poles (Iron & Steel)

For Street Railways & Electric Lights; see also Posts, Arc Lamp; for Wooden Poles, see Ties, Poles & Posts
American Bridge Co., 30 Church, New York
Bates Expanded Steel Truss Co. (Steel), 208H S La Salle, Chicago, Ill.
Blaw-Knox Co., Freeport rd, Hoboken, Pa.
Brady Electric Mfg. Co. (Ornamental Arc Lamp with Gooseneck), New Britain, Conn.
Carbo Steel Products Co. (Steel Angle), 2600 W 111th Morgan Park Station, Chicago, Ill.
Chicago Steel Post Co. (Transmission), 208 209 N Michigan av, Chicago, Ill.
Coombs R. D. & Co. (Steel Only), 30 Church, New York
Creaghead Engineering Co., 340 Main, Cincinnati, O.
Electric Railway Equipment Co. (Wire Locked" Swedged Joint Tubular), 2900 Cormany av, Cincinnati, Ohio
Lundin Electric & Machine Co. (Ornamental Goose Neck), 10 Thatcher, Milwaukee, Wis.
Mott J. L. Iron Works (Ornamental), Trenton
National Tube Co., Frick bldg, Pittsburg, Pa.
PITTSBURGH-DES MOINES STEEL CO., 304 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
POLE & TUBE WORKS INC., av D & Murray, Newark, N. J.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
Serfas Lumber Co. (Wood Only), Drake bldg, Easton, Pa.
Vulcan Mfg. Co., 1200 4th av, S Seattle, Wash.

11368— Poles (Pike)

See also Tools, Logging
American Logging Tool Co., Evart, Mich.
Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.
Bolander L. Ph. & Son, 954 Bryant, San Francisco, Cal.
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Columbus Handle & Tool Co. ("Never Break"), Columbus, Ind.
Davenport Ladder Co. (Fire, etc.), Davenport, Ia.
Dicke Tool Co., Downers Grove, Ill.
Ellingwood Turning Co., West Paris, Me.
Empire Ladder & Pole Co., 154 1st, Newark, N. J.
Klein Mathias & Sons (Guarded or Plain), 562 W Van Buren, Chicago, Ill.
Warren Axe & Tool Co., Warren, Pa.

11369— Poles (Rug)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Nashua Spool & Bobbin Co. (Wooden & Bamboo), Haverhill National Bank bldg, Haverhill, Mass.

11370— Poles (Torch)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

11371— Poles (Tree Pruner)

Piqua Handle & Mfg. Co., P. O. Box 307, Piqua, O.

11372— Poles (Trolley Car)

Columbia Machine Works & Malleable Iron Co. (Made of Steel Tubing), Atlantic av & Chestnut, Brooklyn, N. Y.
Electric Railway Equipment Co., Cincinnati, Ohio
Morris E. K. & Co., 317 W 2d, Cincinnati, Ohio
National Tube Co. ("Shelby" Seamless Steel), Frick bldg, Pittsburgh, Pa.
Nuttall R. D. Co., McCandliss & Harrison av, Pittsburgh, Pa.
Wallace Supplies Mfg. Co., 1312 Diversey parkway, Chicago, Ill.

11373—Poles (Trolley, Reinforced)

(Old Worn Out Trolley Poles Reinforced)
Bates Expanded Steel Truss Co., 208H S La Salle, Chicago, Ill.
Electric Railway Equipment Co. (Steel, Tubular), 2900 Cormany av, Cincinnati, Ohio

11374—Poles (Trolley Street)

See also Poles, Iron & Steel
American Bridge Co. ("Shiffer"), 30 Church, New York
Bates Expanded Steel Truss Co. (Electric), 208H S La Salle, Chicago, Ill.
Carbo Steel Products Co., 2600 W 111th, Morgan Park Station, Chicago, Ill.
COOK TIE & POLE CO., 919 Commercial Trust bldg, Phila., Pa.
Electric Railway Equipment Co. ("Elreco" Lighting Iron Steel), 2900H Cormany av, Cincinnati, Ohio
Electrical Material Co. (Seamless Steel Tubing), 618 W Jackson blvd, Chicago, Ill.
Hartwell Handle Co. (Wood), Harvey, Ill.
Holden & White, 80 E Jackson, Chicago, Ill.
National Tube Co. ("Shelby"), Seamless Steel), Frick bldg., Pittsburgh, Pa.
Serfas Lumber Co., Drake bldg, Easton, Cal.
Valley Forging Co. ("Pittsburgh Standard" Trolley Poles, Butt Welded & "Verona" Seamless Poles), Verona, Pa.

11375— Poles (Vaulting)

Spalding A. G. & Bros., 105 Nassau, New York
Wilson Thos. E. & Son, 727 N Sangamon, Chicago, Ill.

11375a— Poles (Western & Northern Cedar)

Bell Lumber Co., Security bldg, Minneapolis, Minn.
See adv index at end of book

NORTHERN BELL WESTERN
CEDAR POLES
BUTT TREATING, OPEN TANK METHOD
Send for Catalogue
BELL LUMBER CO., Minneapolis Minn.

Joslyn Mfg. & Supply Co., 133 W Washington, Chicago, Ill.
Lindsley Bros. Co., The (Western Red Cedar Only), 611 Peyton bldg, Spokane, Wash.
McFarland L. D. ("Service" Brand), Sand Point, Idaho
Partridge T. M. Lumber Co. (Cedar), 731 Lumber Exchange, Minneapolis, Minn.
Serfas Lumber Co., Drake bldg, Easton, Cal.

11376—Poles (Window Pull-Down)

Empire Ladder & Pole Co., 154 1st, Newark, N. J.
Houchin Thomas W. Co. (Oak), 36 E 12th, New York
Piqua Handle & Mfg. Co., P. O. Box 307, Piqua, O.

11376a— Polish

Baum Bros. Co. (Brass), Denver, Colo.
California Exterminating Co., Inc. (Autobody, Floor, Furniture, Metal, etc), 373 W 125th, New York
Camden Chem. Mfg. Co. ("Greyhound" Automobile Body), 1800 Muckle, Camden, N. J.
Damon Specialty Co. (Automobile), 516 E 9th, Los Angeles, Cal.
Durkee Atwood Co., 40 Wilder, Minneapolis, Minn.
Flash Chemical Co. ("Flash," Silver), 160 2d, Cambridge, Mass.
General Platers' Supply Co., Inc. (Metal), 103 Grand, Brooklyn, N. Y.
See adv index at end of book
Hall-Thompson Co. ("Wonder Worker"). Hartford, Conn.
NICHOLS GEO. W. ("I-D-A Lemon Oil"), Binnewater, N. Y.
Oleum Products Co., 1129 Capouse av, Scranton, Pa.
Samoline Corp. Inc. ("Uncle Sam's" Wax Oil), 1300 Fletcher, Chicago, Ill.
Special Service Flooring Corp., 2009 Grand Central Terminal, New York
Super-Glos Mfg. Co. ("Super-Glos"), 710 Van Ness av, San Francisco, Cal.
Texas Company, The ("Texaco Qckwork"), Dept. HR, 17 Battery pl, New York
See adv index at end of book
U-Sav-Your Mfg. Co. ("U-Sav-Your" Furniture & auto), Warren, Mass.
Wondermist Co. (Automobile), 261 Franklin, Boston, Mass.
Worth-More Polish Co., Inc., 1306-08 N Wells, Chicago, Ill.

11376b—Polish (Automobile)

A. B. Polish Co., 1515 Haddon av, Chicago, Ill.
Acme White Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
Bar-Lac Co. ("Body-Tone"), 3318 Foothill blvd, Oakland, Cal.
Certain-teed Products Co. ("Certain-teed"), Boatmans Bank bldg, St. Louis, Mo.
Durkee Atwood Co., 40 Wilder, Minneapolis, Minn.
Everbright Mfg. Co. ("Everbright"), 409 Golden Gate av, San Francisco, Cal.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Golden Star Polish Mfg. Co., Inc. ("Golden Star"), 815 E 21st, Kansas City, Mo.
Imperial Auto Products Co., 946 S Flower, Los Angeles, Cal.
Kellermann I., 674 9th av, New York
King-Karbo Products Corp., 825 Concord, Pittsburgh, Pa.
Lacko Specialty Co. ("Lacko"), 824 Montgomery, San Francisco, Cal.
Oleum Products Co., 1129 Capouse av, Scranton, Pa.
Permatex Co., Inc. ("Permatex" Body), Sheepshead Bay, N. Y.
Standard Oil Co., 225 Bush, San Francisco, Cal.
Super-Glos Mfg. Co. ("Super-Glos"), 710 Van Ness av, San Francisco, Cal.
Texas Company, The, Dept. D, 17 Battery pl, New York
See adv index at end of book
U-Sav-Your Mfg. Co. ("U-Sav-Your"), Warren, Mass.
Victor Chemical Co. ("Victor"), 1953 S Los Angeles, Los Angeles, Cal.
Western Chemical Product Co. ("Vonca"), 2436 E 8th, Los Angeles, Cal.
Woodtite Laboratories, Modesto, Cal.

11377— Polish (Cutlery)

Dilg Fleet Mfg. Co., Inc., The ("Dilg," "Defiance" & "Acme" Plate & Steel Polish), 27 E 125th, New York
Hollingshead R. M. Co. ("Whiz" Silver Paste & Powder), 112 N 9th, Camden, N. J.
Tanite Co. ("Tanite" Mills), Stroudsburg, Pa

11378— Polish (Floor)

See also Floor Polish (Hard Wax)
Butcher Polish Co. ("Butchers Boston Polish for Hardwood), 245 State, Boston, Mass.
California Exterminating Co., Inc., 373 W 125th, New York
Channel Chemical Co. ("O-Cedar"), 4501 Western blvd, Chicago, Ill.
Elite Polish Co., New Kensington, Pa.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Lacko Specialty Co. ("Lacko"), 824 Montgomery, San Francisco, Cal.
O-So Ezy Products Co., 4501 S Western av, Chicago, Ill.
Texas Company, The ("Texaco" Liquid Wax—it waxes and polishes), Dept. D, 17 Battery pl, New York
See adv index at end of book
Wondermist Co., 30 Kilby, Boston, Mass.
Worth-More Polish Co., Inc., 1306-08 N Wells, Chicago, Ill.

11379— Polish (Furniture)

A B Polish Co. ("A B"), 1515 Haddon av, Chicago, Ill.
Acme White Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
Adams & Elting Co. ("Hy-Pol"), 1838 Seward, Chicago, Ill.
Alder Chemical Co., Mount Vernon, N. Y.
Aquart Mfg. Co., Chemical bldg, St. Louis, Mo.
Armiger Chemical Co., 2155 Austin av, Chicago, Ill.
Baum Bros. Co. ("New Finish"), Denver, Colo.
Better A. O. Mfg. Co. ("Ideal"), 1208 E 12th, Kansas City, Mo.
Bradley & Vrooman Co., 2632 S Dearborn, Chicago, Ill.
Buffalo Specialty Co. ("Liquid Veneer"), 375 Ellicott, Buffalo, N. Y.
California Exterminating Co., Inc., 373 W 125th, New York
Cedarine Co., Clinton, N. Y.
Certain-teed Products Co. ("Certain-teed"), Boatmans Bank bldg, St. Louis, Mo.
Channell Chemical Co. ("O-Cedar" & "Cedarine"), 4501 Western blvd, Chicago, Ill.
Chief Kokomoko Specialty Co., Kokomo Ind.
Cleaner Mfg. Co. ("Polishine"), 2342 Olive, St. Louis, Mo.
Cleanola Co. ("Cleanola," for All Varnish Surfaces), Fulton bldg, Pittsburgh, Pa.
Conners Wm. Paint Mfg. Co. ("American Seal"), 1543 Van Buren, Troy, N. Y.
Continental Mfg. Co. ("Magic"), 1543H Van Buren, Indianapolis, Ind.
Dittman Mfg. Co., 917 Western av, Seattle, Wash.

(Continued on following page)

Polish (Furniture)—Continued

Easterday Supply Co. ("Blue Cross"), 936 Howard, San Francisco, Cal.
Elite Polish Co., New Kensington, Pa.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Franche C. E. & Co., 440 Orleans, Chicago, Ill.
Gerstendorfer Bros. ("Sapolin"), 221 E 42d, New York
Gold Medal Polish Co. ("Gold Medal"), Racine, Wis.
Golden Star Polish Mfg. Co., Inc. ("Golden Star"), 815 E 21st, Kansas City, Mo.
Great Western Oil Co. (Wax), 2846 E 37th, Cleveland, Ohio
Hayden C. W. Co., Toledo, O.
Heath & Milligan Mfg. Co., 1833 Seward, Chicago, Ill.
Hoosier Mfg. Co. ("Hoosier"), 501H W McCarthy, Indianapolis, Ind.
Imperial Polish Co., 120 Walnut, Phila., Pa.
Indian Refining Co., 244 Madison av, New York
Keep Bros. ("Nonequal"), 225 Sansom, Phila., Pa.
Kellermann I., 674 9th av, New York
Lacko Specialty Co. ("Lacko"), 824 Montgomery, San Francisco, Cal.
Lawrence W. N. & Co., W Carson, Pittsburgh, Pa.
Lewis Samuel ("Alpine"), 73 Barclay, New York
Lustre Mfg. Co., 16 W Kinzie, Chicago, Ill.
Lyknu Polish Mfg. Co. ("Lyknu"), 916 Forbes, Pittsburgh, Pa.
Marshall Oil Co. of Iowa ("Marshall"), Marshalltown, Ia.
Martin-Senour Co., 2520 Quarry, Chicago, Ill.
Martin & Martin ("E-Z"), 3005 Carroll av, Chicago, Ill.
Montauk Paint Mfg. Co. ("Montauk"), 2d av, cor. 13th, Brooklyn, N. Y.
Moser Chas. Co., Cincinnati, O.
Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.
New England Oil, Paint & Varnish Co., Waters av, Boston, Mass.
Northwest Chemical & School Supply Co. ("Cypress-O"), E 724 Sprague av, Spokane, Wash.
Northwestern Chemical Co. (Automobile) ("Norwesco"), Marietta, Ohio
Northwestern Mfg. Co., Indianapolis, Ind.
No Xal Polish Mfg. Co. ("No Xal"), 1238 Belmont av, Phila., Pa.
Nubian Paint & Varnish Co. ("Re-Vi-Var"), 1856 Leclaire av, Chicago, Ill.
O'Kleen-O Products Co., 712 Madison av, Baltimore, Md.
Oleum Products Co., 1129 Capouse av, Scranton, Pa.
O-So Ezy Products Co., 4501 S Western av, Chicago, Ill.
Pacific Chemical Co. ("Bohemic"), 1421 N Main, Los Angeles, Cal.
Patton Paint Co. ("Sunbright"), Milwaukee, Wis.
Plunkett Chemical Co., 2540 Cottage Grove av, Chicago, Ill.
Pratt B. G. Co. ("Hydro wax" for Cleaning & Polishing), 50 Church, New York
Puritan Soap Co. ("Varnisheen," "Puritan"), 496 Exchange, Rochester, N. Y.
Rochester Chemical Co. ("Shinon"), Rochester, N. Y.
Samoline Corp., Inc. ("Pullman"), 1300 Fletcher, Chicago, Ill.
Sani-Mist Co., New London, Conn.
Sherwin-Williams Co., Cleveland, O.
Sonneborn L. Sons ("Amalie" Oil for Piano Furniture, Carriage Body, etc), 114 5th av, New York
Southern Calif. Disinfecting Co., 2521 S Main, Los Angeles, Cal.
Standard Chemical Co. ("Cedro" Oil), Houston, Texas
Standard Oil Co., 225 Bush, San Francisco, Cal.
Standard Oil Co. of N. Y. ("Matchless Liquid Gloss"), 555 W 25th, New York
Staples H. F. & Co. ("Staples Bee-Hive"), Medford, Mass.
Super-Glos Mfg. Co. ("Super-Glos"), 710 Van Ness av, San Francisco, Cal.
Talley Co. ("Talco"), New Richmond, O.
TEXAS COMPANY, THE ("Texaco" Liquid Wax polishes and preserves), Dept. D, 17 Battery pl, New York
See adv index at end of book
Three-In-One Oil Co. ("Three-in-One"), 165 B'way, New York
Thumb E. W. ("Sunshine"), 872 Orleans, Chicago, Ill.
Ulrich E. W. ("A-O-K"), 363 E North, Buffalo, N. Y.
U-Sav-Your Mfg. Co. ("U-Sav-Your"), Warren, Mass.
Van Tilburg Oil Co. ("Waxit"), 2428 University av, Minneapolis, Minn.
Wadsworth - Howland Co. ("Jewell," "Liquid"), 225 N Carpenter, Chicago, Ill.
Wightman Geo. E. Co. ("Pol-O-Creme"), 90 11th, Portland, Ore.
Wondermist Co., 30 Kilby, Boston, Mass.
World Polish Mfg. Co. ("Japanese"), York, Pa.
Worth-More Polish Co., Inc., 1306 N Wells, Chicago, Ill.

11380— Polish (Glass)

Cleaner Mfg. Co. ("Polishine"), 2482 Olive, St. Louis, Mo.
Forbes Benj. P. Co. ("Glasbrite"), 3736 W 36th, Cleveland, O.
Hollinshead R. M. Co. ("Whiz"), Camden, N. J.

11380a—Polish (Hard Rubber)

Barker Bros., Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book

11380b—Polish (Prepared Wax)

CHICAGO VARNISH WORKS, 2100 Elston av, Chicago, Ill.
DU PONT E. I. DE NEMOURS & CO., INC., Paint & Varnish Dept., 3500 Grays Ferry rd, Phila., Pa.
See adv index at end of book
TEXAS COMPANY, THE ("Texaco" Liquid Wax—it waxes and polishes), Dept. D, 17 Battery pl, New York
See adv index at end of book

11381— Polish (Soap)

Cudahy Packing Co. ("Gibson's"), 111 W Monroe, Chicago, Ill.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Flash Chem. Co., 160 2nd, Cambridge, Mass.
Monaham Antiseptic Co. (Silk Olive Oil), 166 N Curtis, Chicago, Ill.
Waverly Oil Works Co., 54th & A. V. R. R., Pittsburgh, Pa.

11382—Polishers (Electric)

GEM MFG. CO. ("Gem," Flexible Shaft for Garages), Goebel, nr. Fulton, N. S., Pittsburgh, Pa.
See adv index at end of book
Wisconsin Electric Co. ("Dumore" Floor & Stone), 1602 Junction av, Racine, Wis.
Wisconsin Fdry. & Mach. Co. (Floor & Stone), Madison, Wis.

11383— Polishers (Nail)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Celluloid Co., 36 Washington pl, New York
DU PONT E. I. DE NEMOURS & CO., INC., Pyralin Div. ("Pyralin." See Adv at Celluloid), Arlington, N. J.
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

11384— Pontoons

Matthews Bros. Mfg. Co. (Aeroplane), 61 4th, Milwaukee, Wis.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
Palmer-Simpson Co., Saranac Lake, N. Y.
Welen Marine Equipment Co., 305 Vernon av, Long Island City, N. Y.

11385— Poppers (Corn)

Bromwell Brush & Wire Goods Co., 612 W 6th, Cincinnati, O.
Brook Novelty Co., Brook, Ind.
Copeland G. T., Gloversville, N. Y.
Cretors C. & Co., 620 W 22d, Chicago, Ill.
Delphos Mfg. Co. ("Delphos" Sheet Iron), 1st & Pierce, Delphos, O.
Dorr Chas. M. Co. ("Hoosie"), Hoosick Falls, N. Y.
Elec. Machine Co., New Albany, Ind.
Gabel Mfg. Co. Hawkeye, Ia.
Gier Pressed Steel Co. ("Lansing." "Crown Top"), Lansing, Mich.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Holcomb & Hoke Mfg. Co., Indianapolis, Ind.
Kingery Mfg. Co. ("Kingery's), 420 E Pearl, Cincinnati, O.
Meyers Fred J. Mfg. C. ("No Fault," "Perfection"), Hamilton, Ohio
Parker Wire Goods Co. (Reversible), Worcester, Mass.
Reynolds Wire Co., Dixon, Ill.
Shotwell Mfg. Co., 3457 Potomac, Chicago, Ill.
Success Mfg. Co., Gloucester, Mass.
Utility Mfg. Co. ("Utility"), **Sturgis, Mich.**
Wickwire Bros., Cortland, N. Y.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Washburn Co. (Wire Goods Div.), 28 Union, Worcester, Mass.
Woods-Sherwood Co. ("Sherwood," with Sliding Cover), 28 Union, Worcester, Mass.

11386— Porcelain Enameling

Benjamin Electric Mfg. Co., 120 S Sangamon, Chicago, Ill.
Buffalo Porcelain Enameling Corp., 1927 Elmwood av, Buffalo, N. Y.
Chicago Hardware Foundry Co. (Grey Iron), North Chicago, Ill.
Cleveland Metal Products Co., Platt & C. & P. R. R. R., Cleveland, O.
Erie Enameling Co., Erie, Pa.
Ferro Enameling Co., 4150 E 56th, Cleveland, O.
General Porcelain Enameling & Mfg. Co., 4101-35 Parker av, Chicago, Ill.
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Humphryes Mfg. Co., Mansfield, O.
Ingram Richardson Mfg. Co. (Shades, Reflectors, etc.), Beaver Falls, Pa.
See adv index at end of book
Vitreous Enameling Corporation, 6800 Grant av, Cleveland, Ohio
See adv index at end of book

GENUINE VITREOUS PORCELAIN ENAMELED
Wash Tub Covers—Table Tops
Stove Parts—Railway Signals
Reflectors—Developing Trays
Vitreous Enameling Corporation
6800 Grant Ave. Cleveland, O.

Wheeler Reflector Co., 275 Congress, Boston, Mass.

11387—Porcelain Specialties (Electrical, Mechanical, Etc.)

Adamant Porcelain Co. (Hold Knob), East Liverpool, O.
Adapti Mfg. Co. ("Adapti" Bushings), 2990 E 72d, Cleveland, O.
Akron Smoking Pipe Co., Mogadore, O.
Am. Porcelain Co. (Standard & Special Shape), East Liverpool, O.
Benjamin Electric Mfg. Co., 847 W Jackson blvd, Chicago, Ill.
Brunt Porcelain Co. ("Brunt" Cleats, Knobs & Tubes), Chaseland, Columbus, Ohio
Bryant E. R., 183 Congress, Boston, Mass.
Bryant Electric Co. (Bushings), 1421 State, Bridgeport, Conn.
Burgess & Co. ("Porcelava"), East Liverpool, O
Carey Ohio Porcelain Co. (Knobs, Cleats, Tubes, etc.), Carey, Ohio
Champion Porcelain Co., 8525 Butler, Detroit, Mich.
Cook Pottery Co., Trenton, N. J.
Davidson & Stevenson Porcelain Co. (Standard & Special Shapes), East Liverpool, O.
Electrical Porcelain Works, 2416 6th, Berkeley, Cal.
Electric Porcelain & Mfg. Co., Trenton, N. J.
Empire China Works, 156 Greene, Brooklyn, N. Y.
Engelhard Chas. Inc. (Impervite Hard Tubes), 30H Church, New York
Federal Porcelain Co. ("Fedco"), Carey, Ohio
Findlay Electric Porcelain Co., Findlay, O.
Fletcher Mfg. Co. (Insulated Racks & Wire Holders), Dayton, O.
Freeman E. H. Electric Co., Trenton, N. J.
Frenchtown Porcelain Co. ("775"), Trenton, N. J.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
General Porcelain Co. (Standard & Special Shape), Parkersburg, W. Va.
Globe Porcelain Co., Trenton, N. J.
Harter Mfg. Co. (Bushings), 524 Clinton, Chicago, Ill.
Hartford Faience Co. (Electrical), Hartford, Conn.
Illinois Electric Porcelain Co., Macomb, Ill.
Imperial Porcelain Works, Trenton, N. J.
Killoch David Co. ("KKK" bushings), 57 Murray, New York
Locke Insulator Mfg. Co. (Electric), Victor, N. Y.
Mesa Fernando C. Co., Dept. H, Coit & Chancellor av, Irvington, N. J.
Michigan Porcelain Insulator Co. (Knobs & Cleats), Hastings, Mich.
Multi Electrical Mfg. Co. ("Multi" Bushings, 1848 W 14th, Chicago, Ill.
National Electric Porcelain Co., Carey, O.
National Porcelain Co., Trenton, N. J.
National Tile Supply Co. (C. B. Knobs), 5100 Superior, Cleveland, Ohio
New Brunswick Porcelain Co., New Brunswick, N. J.
Ohio Pottery Co. ("Ohio" Pottery), Zanesville, O.
Paragon Elec. Co. ("Paragon" Self Tying Knobs), 37 W Van Buren, Chicago, Ill.
Pass & Seymour (Electrical Only), Solvay, N. Y.
Peru Electric Co. (Electrical Only), Peru, Ind.
Pittsburgh High Voltage Insulator Co. (Porcelain Insulators, Wall Bushings, Tubing, etc.), Derry, Pa.
Snyder-Hunt Co. (Insulators), Belle Plaine, Ia.
Standard Porcelain Co. (Glazed & Unglazed Nail Knobes), E Liverpool, Ohio
Star Metal Box Co., 509 W 19th, New York
Star Porcelain Co., Trenton, N. J.
Thomas R. & Sons Co., East Liverpool, O.

Trenle Porcelain Co., E Liverpool, O.
Trenton Porcelain Co., Trenton, N. J.
Union Electrical Porcelain Works, Trenton, N. J.
Westinghouse Electric Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book
Wheeling Tile Co., Wheeling, W Va.
Woolley Douglas W. (Porcelain Switches), 1170 B'way, New York

11388— Port Lights (Ship)

Delaware Marine Mfg. Co., Wilmington, Del.
Doud-MacFarlane Machy. Co., 1501 Dock, Tacoma, Wash.
Gibson & Kirk Co., 217 Key Highway, Baltimore, Md.
Kingwell Bros. California Brass Wks., 444H Natoma, San Francisco, Cal.
Laughlin Thos. Co. ("Hudson," "Inside," "Octagon," "Oval," "Perfection," "Round Frame," "Standard," "Steel Hull," "Storm Shutter," "Three Screw"), 135 Fore, Portland, Me.
See adv index at end of book
Marine Hardware Co., Peabody, Mass.
Marine Mfg. & Supply Co., 158 South, New York
Mercantile Specialties Corp., 11 B'way, New York
Sands A. B. & Son Co., 22 Vesey, New York
Torrey Roller Bushing Works, Bath, Me.
Watson Mfg. Co. (Screen Only), Jamestown, N. Y.
Wilcox Crittenden & Co., Inc., 444 S Main, Middletown, Conn.
See adv index at end of book
Williams & Wells Co., 253 Fulton, New York. *See adv index at end of book*

11388a—*Portable Belt Conveyors

GIFFORD-WOOD CO., Hudson, N. Y.

Portable Buildings

See Buildings, Portable

11388b—*Portable Flight Conveyors

GIFFORD-WOOD CO., Hudson, N. Y.

Portable Garages

See Garages, Portable

11389—Portable Gravel Loaders & Screening Outfits

CALDWELL & SON CO. H. W., 1700 S Western av, Chicago, Ill.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Russell Grader Mfg. Co., 2301 University av, Minneapolis, Minn.
Western Wheeled Scraper Co., Farnsworth, Aurora, Ill.

11390—*Portable Steel Buildings

BAKER EDW. J. & CO., 608 Otis bldg, Chicago, Ill.

11390a—*Portable Steel Filling Stations

BAKER EDW. J. & CO., 608 Otis bldg, Chicago, Ill.

11390b—*Portable Steel Garages

BAKER EDW. J. & CO., 608 Otis bldg, Chicago, Ill.

11390c—*Portable Steel Sheds

BAKER EDW. J. & CO., 608 Otis bldg, Chicago, Ill.

11390d—*Portable Steel Storage Houses

BAKER EDW. J. & CO., 608 Otis bldg, Chicago, Ill.

11391— Portables (Electric)

See also Lights, Desk, also Lamps, Incandescent Portable, Electric

Adjustable Fixture Co. (Dresser Light), 305 Mfrs. Home, Milwaukee, Wis.
Almar Mfg. Co., 206 5th av, New York
Almond T. R. Mfg. Co., Ashburnham, Mass.
Amboy Works, Perth Amboy, N. J.
American Brass & Coppper Co., 133 Lafayette, New York
Amron Mfg. Co., 506 S Wells, Chicago, Ill.
Art Lamp Mfg. Co., 1433 S Wabash av, Chicago, Ill.
Art Metal Works, Mulberry, Newark, N. J.
Art Shade Co., 224 N Des Plaines, Chicago, Ill.
Art Wares Mfg., Indianapolis, Ind.
Bayley & Sons, 105 Vandeveer, Brooklyn, N. Y.
Beardslee Chandelier Mfg. Co., 237-39 S Jefferson, Chicago, Ill.
Bergen Co., J. D., Meriden, Conn.
Berger Mfg. Co. (Wood), 516 W 25th, New York
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Brown W. B. Co. (Wood), Bluffton, Ind.
Caldwell Elec. Corp., Champaign, Ill.
Central Cut Glass Co., 1114 E 63rd, Chicago, Ill.
Central Tel. & Elec. Co., 310 N 11th, St. Louis, Mo.
Chicago Lamp & Fixture Co., 1516 S La Salle, Chicago, Ill.
Chicago Reed Ware Co., 1523 Carrol av, Chicago, Ill.
Coffin Valve Co. ("Neponset," Portable Flood), Neponset, Boston, Mass.
Conneaut Metal Works, Conneaut, O.
Crescent Brass Products Co., 3410H Lake av, Cleveland, Ohio
Crucet Mfg. Co., 256 W 28th, New York
Daggett & Curry, Waltham, Mass.
Dale Lighting Fixture Co., 107 W 13th, New York
Edwards Ltg. Fixture o., 20 E Lake, Chicago, Ill.
Empire Lamp Mfg. Co., 1214 W Madison, Chicago, Ill.
Farber S. W., 147 S 5th, Brooklyn, N. Y.
Faries Mfg. Co. (Adjustable), Decatur, Ill.
Franks Mfg. Co., Rock Island, Ill.
Friedlaender Inc. Oscar O. (Imp. Alabaster), 40 Murray, New York
Frink I. P., Inc., 239 10th av, New York
Gosnen Novelty & Lamp Co., Goshen, Ind.
Gracie Chas. R., 309 W 41st, New York
Gudeman & Co., 30 Irving pl, New York
Handel Co., Meriden, Conn.
Hersey & Co., A. H., Newark, O.
Heywood Bros & Wakefield Co., 516 W 34th, New York
Ideal Lamps Mfg. Co., Faribault, Minn.
Imperial Brass Mfg. Co., 1200 W Harrison, Chicago, Ill.
Jefferson Co., Tollansbee, W. Va.
Keith Mfg. Co., Clinton, New York
Khouri Amin N., 11 W 30th, New York
Kittinger Furniture Co. (Wood Standards), 1893 Elmwood av, Buffalo, N. Y.
Kraushaar Brass Mfg. Co. (Adjustable; also Newels or Portables), 919 Pine, St. Louis, Mo.
Lamb Bros. & Greene (Metal & Wood), Nappanee, Ind.
Lauzon Furniture Co., Grand Rapids, Mich.
Lehman Bros., 197 Grand, New York
McKenny & Waterbury Co., 181 Franklin, Boston, Mass.
McLeod, Ward & Co., 430 11th av, New York
Manhattan Distributing Corp., 603 S Dearborn, Chicago, Ill.
Miller Edw. & Co., Meriden, Conn.
Mountain Community, 159 E 51st, New York
National Metalizing Co., 236 5th av, New York
National X-Ray Reflector Co., 233 W Jackson blvd, Chicago, Ill.
New England Brass & Fixture Co., 77 Summer, Boston, Mass.
Noe Wm. R. & Sons, 43 E 10th, New York
Oberbeck Co., 416 Oswego, Chicago, Ill.
Ornate Mfg. Co., 110 W 34th, New York
Pairpoint Corp. (Glass), New Bedford, Mass.
Paragon Elec. Co., 37 W Van Buren, Chicago, Ill.
Parker Chas. Co., Meriden, Conn.
Peerless Light Co., 663 W Washington blvd, Chicago, Ill.
Pettingell-Andrews Co., 166 Pearl, Boston, Mass.
Phoenix Glass Co., 230 5th av, New York
Pittsburgh Lamp Brass & Glass Co., Liverpool & River, Pittsburgh, Pa.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Porter Company, 241 Water, New York
Quaker City Brass Works, 336 N 3d, Phila., Pa.
Rockford Peerless Furniture Co. (Wood), Rockford, Ill.
Rose Bro. & Co., Lancaster, Pa.
Royal Lamp Shade Co. (Wood), 38 W 21st, New York
Schwartz S. Robert & Bro. ("Esrobert"), 729 B'way, New York
Shapiro & Aronson, 20 Warren, New York
Supreme Lamp Co., 136 W 52d, New York
Tulper Pottery Co., Flemington, N. J.
Unique Art Glass & Metal Co., 105 Vanderveer, Brooklyn, N. Y.
Universal Electric Stage Lighting Co. Inc. (Kliegl Bros.) (Garage), 321 W 50th, New York
Van Briggle Tile & Pottery Co., Colorado Springs, Colo.
Waldman John J. (Desk & Bed), 64 Murray, New York
Warner C. B. & J., 469 7th av, New York
Warshavsky, 187 B'way, Brooklyn, N. Y.
Weidlich Bros. Mfg. Co., Conn. & Florence, Bridgeport, Conn.
Western Elec. Co., 463 West, New York
White O. C. Co. (Adjustable Floor, Desk, etc), 17 Hermon, Worcester, Mass.
Will & Baumer Co., Syracuse, N. Y.
Williamson R. & Co., Washington & Jefferson, Chicago, Ill.
Wirt Co. ("Dim-A-Lite"), 5221-7 Greene, Phila, Pa.
Wizard Elec. Lamp. Co., (Vacuum Cup Mir-O-Lite folding), San Francisco, Cal.
Young & Russell, 410 E Mechanic, Phila., Pa.
Ypsilanti Reid Furniture Co., Ionia, Mich.

11391a— Porte-Cocheres

Tyler W. S. Co., Cleveland, Ohio.
See adv index at end of book

11391b— *Portfolios

Buhrke R. H. Co., 1250 Fullerton av, Chicago, Ill.
Chicago Case Mfg. Co., 213H N Morgan, Chicago, Ill.
Globe-Wernicke Co. (The) (Desk), 25 Carthage av, Cincinnati, Ohio
See adv index at end of book

11392—Ports (Open Hearth Furnace)

Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book

11393— Post Caps & Bases

Canton Fdry. & Mach. Co., Canton, Ohio
See adv index at end of book
Castle A. M. & Co. ("Castle," "Star" "Atlas" Steel Post Caps), 1132 Blackhawk, Chicago, Ill.
Cheney S. & Son ("Zimmerman" Patent Iron Base), Manlius, N. Y.
Clark W. J. Co., Salem, O.
Covert H. W. Co. (Porch Columns), 137 E 46th, New York
Creswell Samuel J. Iron Works, 23d & Cherry, Phila., Pa.
Crown Iron Wks. Co., 1229 Tyler, Minneapolis, Minn.
Decatur Cornice & Roofing Co., New Decatur, Ala.
Duplex Hanger Co. ("Duplex"), E 53d & Lakeside av, Cleveland, O.
Electric Railway Equipment Co., 2900H Cormany av, Cincinnati, Ohio
Gehret Bros., Bridgeport, Pa.
Goetz Box Anchor, New Albany, Ind.
Hastings Foundry & Iron Works, Hastings, Neb.
Heughes F. L. & Co. ("Heughes"), Rochester, N. Y.
Ideal Hanger Co. ("Ideal"), Cleveland, O.
Indiana Foundry Co., Dept. H, Indiana, Pa.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Londelius C. A. & Sons Co., 847 W 63d, Chicago, Ill.
Milford Iron Foundry, Milford, Mass..
Mullins Body Corp., Dept. H, Salem, O.
Republic Structural Iron Works Co., 1350 E 53d, Cleveland, O.
Ritter Emil W. Co. ("Atlas"), 223 W Austin av, Chicago, Ill.
Smith A. L. Iron Wks. ("A. L. S. I. W. O."), Chelsea, Mass.
SMITH F. P. WIRE & IRON WORKS, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Truscon Steel Co. ("Kahn" System), Youngstown, O.
Van Dorn Iron Works Co. ("Van Dorn" Iron & Steel), 2700 E 79th, Cleveland, O.
See adv index at end of book
Western Builders Supply Co. (Steel Caps), 135 2nd, San Francisco, Cal.
Withers Foundry & Machine Works, Dept. H, Atlanta, Ga.

11394—Post Cards (Advertising)

Kropp E. C. & Co. (and Folders), Milwaukee, Wis.
Teich Curt & Co. (Also Local View Cards), 1745 Irving Park blvd, Chicago, Ill.

11395—Post Office Equipment

Albertype Co., 250 Adams, Brooklyn, N. Y.
American Post Office Equipment Co., 343 S Dearborn, Chicago, Ill.
Art Metal Construction Co., Jamestown, N. Y.
Auburn Post Card Mfg. Co., Auburn, Ind.
Bamforth & Co., 96 Warren, New York.
Blanchard Co., Aurora, Ill.
Columbia Postal Supply Co. ("Columbia" Postmarking Machinery & "Jiffy" Postmarking Device), Silver Creek, N. Y.
Detroit Publishing Co., 3925 Vermont, Detroit, Mich.
Federal Equipment Co., Carlisle, Pa.
Gibson Art Co., 416 Elm, Cincinnati, Ohio.
Henderson Lithograph Co., Main av, Cincinnati, O.
International Art Publishing Co., 1301 Race, Phila., Pa.
Keyless Lock Co., Indianapolis, Ind.
McLane Mfg. Co., Milford, N. H.
Reinthal & Newman, 57 W 19th, New York
Shults H. H. Co., Gowanda, N. Y.
Stecher Lithographic Co., Rochester, N. Y.
Tuck Raphael & Sons Co., 347 5th av, New York
Waddell Co. (Routing Tables, Distributing Cases, etc.), Greenfield, O.
Yale & Towne Mfg. Co., "Yale," Stamford, Conn.

11396— Posting Trays

Globe-Wernicke Co., The, 25 Carthage av, Cincinnati, O.
See adv index at end of book

Posts (Arc Lamp)

See Posts, Lamp, Arc & Tungsten

11397— Posts (Binding)

American Pin Co. ("Ampinco"), Waterbury, Conn.
Am. Radio & Research Corp. ("Amrad"), Medford Hillside, Mass.
Ansonia Mfg. Co., River rd, Ansonia, Conn.
BARNES, THE WALLACE CO. ("Barnes-Made," Special), 13 Wallace, Bristol, Conn. *See adv index at end of book*
Bridgeport Brass Co. (Electric), Dept. H, E Main, Bridgeport, Conn.
Bunnell J. H. & Co., 32 Park pl, New York
Continental Elec. Co., 117 E 129th, New York
Corbin Screw Corporation, New Britain, Conn.
Doron Bros. Elec. Co., 325 N B, Hamilton, Ohio
Eby H. H. Mfg. Co., 40 S 7th, Philadelphia, Pa.
See adv index at end of book

STANDARDIZE *with*
EBY BINDING POSTS
They Are Now America's Standard
The H. H. Eby Mfg. Co., Philadelphia, Pa.


Fahnestock Electro Co. (Spring), Meadow, Long Island City, N. Y.
Foote, Pierson & Co., 160 Duane, New York
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Hartford Machine Screw Co., Hartford, Conn.
International Brass & Electric Co. (Brass, etc), 76 Beekman, New York
International Insulating Corp., 25 W 45th, New York
Kellogg Switchboard & Supply Co., 1066 W Adams, Chicago, Ill.
Knott L. E. Apparatus Co. (High Grade for Scientific Work), 79 Amherst, Cambridge, Mass.
Lee Electric & Mfg. Co. ("Lemco"), 220 8th, San Francisco, Cal.
Magnus Electric Co., Inc. ("Magnus"), 451 Greenwich, New York
Manhattan Electrical Supply Co., 17 Park pl, New York
Marshall-Gerken ("Readem"), 27 Ontario, Toledo, O.
Menominee Electric Mfg. Co., Menominee, Mich.
MORSE FRANK W. (Brass & Insulated), 289 Congress, Boston, Mass.
See adv index at end of book
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
New Haven Screw Co., 199 Foster, New Haven, Conn.
Ostrander W. R. & Co., 371 B'way, New York
Partrick & Wilkins Co., 51 N 7th, Phila., Pa.
Porcelain Binding Post Co., Jersey City, N. J.
Railroad Supply Co., 203 S Dearborn, Chicago, Ill.
Royal Telephone Co., Milford, Ind.
Snow Albert E. & Co. (Radio), 252 B'way, New York
Springfield Machine Co., 20 Cypress, Springfield, Mass.
Trumbull Electric Mfg. Co., Plainville, Conn.
Waltham Screw Co., Waltham, Mass.
Waterbury Button Corporation (Character & Plain), 831 S Main, Waterbury, Conn.
See adv index at end of book
Welch T. F. Co., 55 Sudbury, Boston, Mass.
Work Rite Mfg. Co., 1812 E 30th, Cleveland, Ohio

11398—Posts (Car Bumping)

American Bridge Co., 30 Church, New York
Buda Co., Harvey, Ill.
Fox Bros. & Co., 126 Lafayette, New York
Mechanical Mfg. Co. ("Ellis"), 1 Pershing rd & Loomis, Chicago, Ill.
Scott John M. & Sons ("Hercules"), Racine, Wis.

11399— Posts (Concrete)

Colorado Concrete Mfg. Co., Colorado Springs, Colo.
Electric Welding Co. (Fence), Benedum Trees bldg, Pittsburgh, Pa.
Marbelite Corp. of Am. ("Marbelite" Electrolier), 3248 Long Beach av, Los Angeles, Cal.
Massey Concrete Products Co. (Fence), Dept. H, Peoples Gas bldg, Chicago, Ill.
Pettyjohn Co. (& Cement), 603 N 6th Terre Haute, Ind.

11400— Posts (Desk)

Berbecker & Rowland Mfg. Co. (Polished Brass), Waterville, Conn.
Dow Co. (Newell), 201H N Buchanon, Louisville, Ky.

11400a—Posts (Drilling-Old Man)

Armstrong Bros. Tool Co. ("Armstrong" Old Man for Ratchet Drills, etc.), 339 N Francisco av, Chicago, Ill.
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Irving Mfg. & Tool Co., 157 Chambers, New York
Keystone Mfg. Co. ("Keystone"), Buffalo, N. Y.
King A. R. Mfg. Co., Kingston, N. Y.
Lovejoy Tool Works ("Lovejoy" Base or Double Jaw), 319 W Ohio, Chicago, Ill.
See adv index at end of book
Lutz Co. Inc., Morris & Bambrey, Phila., Pa.

11400b— Posts (Fence)

See also Posts (Iron and Steel)

Am. Creosoting Co. (Creosoted), Bogalusa, La.
Anchor Post Iron Works, 50 Church, New York. *See adv index at end of book*
Bell Lumber Co., Security bldg, Minneapolis, Minn.
See adv index at end of book
Bethlehem Fence Wks. (Iron), Bethlehem, Pa.
Calumet Steel Co. (Steel), 208 S La Salle, Chicago, Ill.
Carbo Steel Products Co. ("Torsion System"), 2600 W 111th, Chicago, Ill.
Darby Edward J. & Son, 319 Vine, Phila., Pa. *See adv index at end of book*
IGOE BROTHERS (Steel), 61-73 Metropolitan av, Brooklyn, N. Y.
See adv index at end of book
Janesville Fence & Post Co., 326 S Franklin, Janesville, Wis.
King Mfg. Co. (Entrance), Dept. H, St. Joseph, Mo.
North Shore Ferneries Co., Beverly, Mass.
Page & Hill (Cedar), Plymouth bldg, Minneapolis, Minn.
Partridge T. M. Lumber Co. (Cedar), 731 Lumber Exchange, Minneapolis, Minn.
Republic Iron & Steel Co. (Niles Wks.), Niles, O.
Robertson Bros. Mfg. Co., 5405 S Western blvd, Chicago, Ill.
Structural Slate Co., The, 101 Marietta, Pen Argyl, Pa. (With Natural Slate Blackboard Co., Pen Argyl)
See adv index at end of book
Walworth Mfg. Co., 82H Pearl, Boston, Mass.

11401— Posts (Hitching)

See Posts, Iron & Steel

Adams Wm. Foundry Co., 960 N 9th, Phila., Pa.
Amos Chas. & Co., Inc., 3000 Hart av, Detroit, Mich.
Bloomfield Mfg. Co., Bloomfield, Ind.
Carbo Steel Products Co., 2600 W 111th, Morgan Park Station, Chicago, Ill.
Cincinnati Iron Fence Co., 3312 Spring Grove av, Cincinnati, Ohio
See adv index at end of book
Creswell Samuel J. Iron Works, 23d & Cherry, Phila., Pa.
Cyclone Fence Co. (Iron), Waukegan, Ill.
Decatur Cornice & Roofing Co., Decatur, Ill.
Dempster Mill Mfg. Co. (Cast Iron), Beatrice, Neb.
Donaldson Bros., Mount Clemens, Mich.
Dutton E. Q. & Co. (Cast Iron), Cato, N. Y
Enterprise Iron Works, Indianapolis, Ind.
Gehret Bros., Bridgeport, Pa.
Gowanda Agricultural Works (Cast Iron), Gowanda, N. Y.
Hoosier Fence Co. (Cast Iron Horse Head, etc), Frankton, Ind.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Kokomo Fence Machine Co., Kokomo, Ind.
Lyon Iron Works, Greene, N. Y.
Meyers Fred. J. Mfg. Co., Hamilton, O.
Mostberger Iron Co., 873 S Division, Buffalo, N. Y.
Novelty Iron Works, Sterling, Ill.
Peter F. N. & Bro., Newside, Pa.
Pettler Steel Mat & Mfg. Co. (Wrought Steel), Beaver Falls, Pa.
Pfaff & Kendall (Iron), 655 Ferry, Newark, N. J.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Sterling Foundry Co. ("Best"), Sterling, Ill.
Weller Hardware & Foundry Co. (Cast Iron), Horseheads, N. Y.
Western Iron & Foundry Co., Wichita, Kans.
Woonsocket Machine & Press Co. (Cast Iron), Woonsocket, R. I.

11402— Posts (Indicator)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Bourbon Copper & Brass Works, Cincinnati, O.
Chapman Valve Mfg. Co. ("Chapman"), Indian Orchard, Mass.
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Darling Valve & Mfg. Co., Williamsport, Pa.
Eddy Valve Co., Waterford, N. Y.
Flower-Stephen Mfg. Co., 201 Clayton, Detroit, Mich.
Glamorgan Pipe & Foundry Co., Lynchburg, Va.
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
Kelly & Jones Co., The Greensburg, Pa.
See adv index at end of book
KENNEDY VALVE MFG. CO., Elmira, N. Y. *See adv index at end of book*
Ludlow Valve Mfg. Co. (For Sprinkling Plants), ft of Adams, Troy, N. Y.
McNab & Harlin Mfg. Co., Paterson, N. J.
Pratt & Cady Co. ("P. & C."), Hartford, Conn.
Rensselaer Valve Co., Dept. H, Troy, N. Y.
Walworth Mfg. Co., 82H Pearl, Boston, Mass.
Wood R. D. & Co., 400 Chestnut, Phila., Pa.

Posts (Iron Railing)

See Posts, Iron & Steel

11403— Posts (Iron & Steel)

See also Posts (Fence)

AMERICAN STEEL & WIRE CO. (Steel only—Fence), 208 S La Salle, Chicago
See adv index at end of book
Amos Chas. & Co., Inc., 3000 Hart av, Detroit, Mich.
ANCHOR POST IRON WORKS ("Anchor Post"), 50 Church, New York
See adv index at end of book
Bayley Wm. Co., Springfield, O.
Bethlehem Fence Wks. (Iron), Bethlehem, Pa.
Bloomfield Mfg. Co., Bloomfield, Ind.
Bond Steel Post Co. (Steel Fence), Adrian, Mich.
Buffalo Steel Co. ("Quick-Set," Steel Fence), Tonawanda, N. Y.
Calumet Steel Co., 208 S La Salle, Chicago, Ill.
Carbo Steel Products Co. (Steel Fence), 2600 W 111th Morgan Park Station, Chicago, Ill.
CHICAGO STEEL POST CO. (Steel Fence Post & Wire Stays), 209 N Michigan Chicago, Ill.
Cincinnati Iron Fence Co., 3312 Spring Grove av, Cincinnati, Ohio
See adv index at end of book
Cutter, Geo. Co. (Ornamental Iron), South Bend, Ind.
Cyclone Fence Co., Waukegan, Ill.
Donley Bros. Co. (The) (Clothes Posts), 13935 Miles av, Cleveland, O.
See adv index at end of book
Electric Railway Equipment Co., 2900H Cermany av, Cincinnati, Ohio
Enterprise Iron Works, Indianapolis, Ind.
Fort Wayne Iron Steel Rolling Mills, W Taylor, Fort Wayne, Ind.
Gamewell Fire Alarm Tel. Co. (Street for Fire & Police Systems), Newton, Lipper Falls, Mass.
Harmon Ed. F. (Steel), Rosewood, O.
Heltzel Steel Form & Iron Co., Warren, O.
Hoosier Fence Co. (Cast Iron Fence), Frankton, Ind.
Hunt, Helm, Ferris & Co. (Fence), Harvard, Ill.
Inland Steel Co. (Rail Carbon Steel Fence), 38 S Dearborn, Chicago, Ill.
Kitselman Bros. (Metal Fence), Muncie, Ind.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Metal Post & Culvert Co. (Metal Fence Posts), Niles, C.
Mostberger Iron Co. (Clothes Posts), 873 S Division, Buffalo, N. Y.
National Tube Co. (Fence Tubular Steel), Frick bldg, Pittsburgh, Pa.
Peter F. N. & Bro., Newside, Pa.
Pittsburgh-Des Moines Steel Co. (Lintels), 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Pressed Steel Car Co. (Pressed steel, Side, End, Door & Window), 307 5th av, Pittsburgh, Pa.
Red Top Steel Post Co., 38 S Dearborn, Chicago, Ill.
Reder Foundry Co. (Cast Iron Fence, etc), 3536 S. Oakley av, Chicago, Ill.
Republic Iron & Steel Co. (Niles Wks.), Niles, O.
Republic Iron & Steel Co., Youngstown, O.
For branch offices see Alphabetical Section
ST. PAUL FOUNDRY CO., Como av & Mackubin, St. Paul, Minn.
See adv index at end of book
Smith F. P. Wire & Iron Works ("Hercules," "Supreme" Fence), 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Spuck Iron & Foundry Co., 14th & Branch, St. Louis, Mo.
Taylor & Co., 680 Morgan av, Brooklyn, N. Y.
United Iron Works Inc., Kansas City, Mo.
Western Steel Car & Foundry Co. (Pressed Steel Side, End, Door & Window), Farmers' Bank bldg, Pittsburgh, Pa.
Wright Metal Mfg. Co. (Fence), Anderson, Ind.

11404— Posts (Lamp)

Allen D. E., Yonkers, N. Y.
Aylward Sons & Co., Neenah, Wis.
Brady Elec. Mfg. Co., New Britain, Conn.

Brascolite Co., Jefferson & Washington av, St. Louis, Mo.
Cabaret Paul E. & Co. (Bronze), 412 E 125th av, New York
Caldwell & Drake Iron Wks. ("Columbian," "Columbian Jr."), "Manhattan," "Manhattan II.," "Ajax"), Dept. H, Columbus, Ind.
Casey-Hedges Co. (Electric & Gaslight), Chattanooga, Tenn.
Central Elec. Co., 320 S. 5th av, Chicago, Ill.
Clow Jas. B. & Sons, Franklin & Harrison, Chicago, Ill.
Concord Foundry & Machine Co., Concord, N. H.
Creswell Samuel J. Iron Works, 23d & Cherry, Phila., Pa.
Cutter Geo. & Co. (Ornamental Iron), So. Bend, Ind.
Davies & Thomas Co. (Cast Iron), Catasauqua, Pa.
Davis & Farnum Mfg. Co., Waltham, Mass.
Dearborn Fdry & Co., 345 W 23rd, Chicago, Ill.
Donaldson Iron Co., Emaus, Pa.
Eisenberg M. & Son, 224 Centre, New York
Electric Railway Equipment Co. (Ornamental Street Electric Lamp Posts), 2900H Cormany av, Cincinnati, Ohio
Fargo Fdry. Co., Fargo, N. Dak.
FISKE J. W. IRON WORKS, 111 Park pl, New York
Flour City Ornamental Iron Co. (Street, Ornamental Iron), 27th st & 27th av, Minneapolis, Minn.
Hastings Foundry & Iron Works, Hastings, Neb.
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
Hecla Iron Works, 118 N 11th, Brooklyn, Ornamental Iron), 11 B'way, New York
Heughes F. L. & Co., Rochester, N. Y.
Independent Foundry Co., 743 York, Portland, Ore.
Kramer Bros. Foundry Co., Dayton, O.
MARBELITE CORP. OF AMERICA ("Marbelite"), 3248 Long Beach av, Los Angeles, Cal.
Marty Fdry Co., Meridian, Miss.
Massey Concrete Products Corp. ("Hollowspun" Concrete), Peoples Gas bldg, Chicago, Ill.
Mesker Geo. L. & Co. (Cast Iron), Evansville, Ind.
Minneapolis Steel & Machinery Co. (Ornamental), 29th & Minnehaha, Minneapolis, Minn.
Modern Iron Works, Quincy, Ill.
Mott J. L. Iron Works, Trenton, N. J.
National Tube Co. (Electric), Frick bldg, Pittsburgh, Pa.
Olympic Foundry Co. (Ornamental Cast Iron), Seattle, Wash.
Parsons Co., Newton, Ia.
Paxton & Vierling Iron Works (Ornamental), Omaha, Neb.
Penna. Globe Gas Light Co., 1934 Market, Phila., Pa.
Pevey Foundry Co., Lowell, Mass.
Phila. Electric & Mfg. Co., 1236 N 31st. Phila., Pa.
Polachek John Bronze & Iron Co., 476H Hancock, Long Island City, N. Y.
Richey, Browne & Donald, Flushing av, Maspeth, N. Y.
St. Paul Fdry Co., St. Paul, Minn.
See adv index at end of book
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Smith G. W. & F. Iron Co., Gerard, Rox., Boston, Mass.
Smyser, Royer Co., York, Pa.
Spuck Iron & Foundry Co. (Cast Iron), 14th & Branch, St. Louis, Mo.
Sterling Foundry Co. ("Best"), Sterling, Ill.
Sun Vapor & Gas Street Light Co., Canton, O.
Tyler W. S. Co., Cleveland, O.
See adv index at end of book
Union Metal Mfg. Co. (Pressed Steel), Canton, O.
United Iron Works Inc., Kansas City, Mo.
Wallace Machine & Foundry Co. (Ornamental), Lafayette, Ind.
Wells Architectural Iron Co., River av & 151st, New York

11405—Posts (Lamp, Arc & Tungsten)

Adams-Bagnall Electric Co. ("Jandus Luxolabora"), Platt av, Cleveland, O.
Allen D. E., Yonkers, N. Y.
American Bridge Co., 30 Church, New York
Aylward Sons & Co., Neenah, Wis.
Bates Expanded Steel Truss Co. (Steel), 2031 S La Salle, Chicago, Ill.
Brady Elec. Mfg. Co., New Britain, Conn.
Brascolite Co., Jefferson & Washington av, St. Louis, Mo.
Caldwell & Drake Iron Wks. ("Columbian," "Columbian Jr.," "Manhattan," "Manhattan II.," "Ajax"), Dept. H, Columbus, Ind.
Casey-Hedges Co., Chattanooga, Tenn.
Central Elec. Co., 320 S 5th av, Chicago, Ill.
Cutter Geo. Co. (Ornamental Iron), South Bend, Ind.
Davenport Mach. & Fdry Co., Davenport, Ia.
Dearborn Fdry. & Co., 345 W 23rd, Chicago, Ill.
Eisenberg M. & Son, 224 Centre, New York
Electric Railway Equipment Co., Cincinnati. O.
Fargo Fdry. Co., Fargo, N. Dak.
Ferro-Studio, Inc., 228 E 150th, New York
Flour City Ornamental Iron Co., 27th st & 27th av, Minneapolis, Minn.
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
Hecla Iron Works, 118 N 11th, Brooklyn, N. Y.
Herzog Iron Works, St. Paul, Minn.
Hessler Foundry & Mfg. Co., Oswego, N. Y.
Kramer Brothers Foundry Co., Dayton, O.
Line Material Co., South Milwaukee, Wis.
Lundin Elec. & Machine Co., 16 Thatcher, Boston, Mass.
Manton & Smith Co., 3333 W Grand av, Chicago, Ill.
Marty Fdry. Co., Meridian, Miss.
Meyers Fred'k J. Mfg. Co., Hamilton, O.
Minneapolis Steel & Machine Co., 2854 Minnehaha av, Minneapolis, Minn.
Mott J. L. Iron Works, Trenton, N. J.
Paxton & Vierling Iron Works, Omaha, Neb.
Phila. Electric & Mfg. Co., 1236 N 31st, Phila., Pa.
St. Paul Fdry. Co., St. Paul, Minn.
See adv index at end of book
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Smyser, Royer Co., York, Pa.
Southern Wheel Co., Railway Exch. bldg, St. Louis, Mo.
Spuck Iron & Foundry Co., 14th & Branch, St. Louis, Mo.
Thomasville Iron Works Inc., Thomasville, Ga.
Union Foundry Co., Fitchburg, Mass.
Union Metal Mfg. Co. ("Union," Cast Iron Base Pressed Steel or Copper Shaft), Canton, O.
United Iron Works Inc., Kansas City, Mo.
Wallace Machine & Foundry Co., Lafayette, Ind.
Westinghouse Elec. & Mfg. Co., E. Pittsburgh, Pa. *See adv index at end of book*
Withers Fndry & Mach. Wks. (Ornamental), Atlanta, Ga.
Wrobbel Machine Co., The, 3106 E 63rd, Cleveland, O.

11406— Posts (Mooring)

American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
HARRY L. C. CO., 114 Liberty, New York
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book

11407—Posts (Pawl, for Tugs)

Superior Iron Works Co. (For Power), Superior, Wis.

11408— Posts (Railing, Brass & Bronze)

American Safety Lamp & Mine Supply Co., 1327 Capouse av, Scranton, Pa.
California Artistic Metal & Wire Co., 349 7th, San Francisco, Cal.
Gorham Co. Arch'l Bronze, 5th av & 36th, New York. Works: Providence, R. I.
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
Newman Mfg. Co., 420 Elm, Cincinnati, O.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book

11409— Posts (Stanchion)

Donley Brothers Co., The, 13935 Miles av, Cleveland, O.
See adv index at end of book
Laughlin Thos. Co., 135 Fore, Portland, Me.
See adv index at end of book
Wilcox Crittenden & Co., Inc., 444 S Main, Middletown, Conn.
See adv index at end of book

11410— Posts (Sunning)

11411— *Posts (Tennis Net)

Anchor Post Iron Works, 50 Church, New York. *See adv index at end of book*

Posts (Tungsten Lamp)

See Posts, Lamps, Arc & Tungsten

11412— Potash

Adams Fred C. Co. (Caustic), 130 N Wells, Chicago, Ill.
American Agricultural Chemical Co. (Imp), 2 Rector, New York
American Trona Corp. ("Kempert"), I. W. Helman bldg, Los Angeles, Cal.
Ashcraft Wilkinson Co., Atlanta, Ga.
Baker H. J. & Bro. (Imp. Alsation Salts, & Muriate Sulphate), 81 Fulton, New York
Bauer Philip Co., 53 Park pl, New York
Baugh & Sons Co. (Dealers), 20 S Delaware av, Phila., Pa.
Coplay Cement Mfg. Co. (Flue Dust Potash & For Commercial Purposes), Coplay, Pa.
Daigger A. & Co., 511 W Kinzie, Chicago, Ill.
Grasselli Chemical Co. (Salts, Muriate, etc, imported), Guardian bldg, Cleveland, O.
Griffiths K. F. & Co., 110 E 42nd, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Indigo Blueing Co., 2604 18th, San Francisco, Cal.
Innis, Speiden & Co., Inc. (Importers of All Kinds), 46 Cliff, New York
International Agricultural Corp. (Salts), 61 B'way, New York
Inyo Chemical Co., Santa Fe bldg, San Francisco, Cal.
Jones Enos F. Chemical Co. (Pearl Ash), 51 Jay, New York
Klipstein A. & Co. (Carbonate Caustic, etc, Imp), 644 Greenwich, New York
McKesson & Robbins (Imp, Salts, Cyanide, etc) 91 Fulton, New York
Mason By-Products Co. (Salts), 2 Pine, San Francisco, Cal.
Mallinckrodt Chemical Works (Caustic), 2d & Mallinckrodt, St. Louis, Mo.
Mechling Bros. Mfg. Co. (Granulated (Caustic), Camden, N. J.
Michigan Electrochemical Co., Menc, Mich. York.
National Electrolytic Co. ("Niag Chlorate), Niagara Falls, N. Y.
Natural Products Refining Co. (Bichromates), 902 Garfield av, Jersey City, N. J.
New Orleans Acid & Fertilizer Co. (Muriate, Sulphate, etc.), Gretna, La.
Niagara Alkali Co. (Electrolytic Caustic), Niagara Falls, N. Y.
Nitrate Agencies Co. (Muriate, Sulphate, etc, Imp), 102 Pearl, New York
North American Chemical Co. (Chlorate, etc), Bay City, Mich.
Ohio Salt Co. (Chlorate), Wadsworth, O.
Passolt Henry Co., Saginaw, Mich.
Penn Chemical Works (Powdered Caustic), 1332 Washington av, Phila., Pa.
Peters-White & Co. (Caustic, Imported), 110 William, New York
Powers - Weightman - Rosengarten Co., 916 Parrish, Phila., Pa.
RIDDLE CHEMICAL CO., 35 S Dearborn, Chicago
See adv index at end of book
Riker J. L. & D. S. (Caustic, Imp), 19 Cedar, New York
Roessler & Hasslacher Chemical Co. (Prussiate, Carbonate, Caustic, Chlorate, etc), 709 6th av, New York
See adv index at end of book
Takamine Commercial Corp. (Imp. Chlorate, Muriate & Caustic), 120 B'way, New York
Tupelo Fertilizer Factory (Importers Muriate of Potash), Tupelo, Miss.
Utah Salduro Co. ("U. S." Muriate), Salt Lake City, Utah
Virginia-Carolina Chemical Co., 11 S 12th, Richmond, Va.
Walter Edw. J. Co. (Salts, Brokers), American bldg, Baltimore, Md.
Welch, Holme & Clark Co. (Caustic & First Sorts), 383 West, New York
Western Industries Co. (Salts), 110 Sutler, San Francisco, Cal.
White Thos. H. & Co. (Muriate, etc), 11 S Gay, Baltimore, Md.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

Potash (Bicarbonate)

(See Potassium Bicarbonate)

Potash (Bichromate)

(See Potassium Bichromate)

11413— Potash (Caustic)

Cooper & Cooper, Inc., 23H Cliff, New York
Daigger A. & Co., 54 W Kinzie, Chicago, Ill.
Fergusson Alex. C. Jr., 474 Chestnut st, Phila., Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Innis Speiden & Co., Inc. (Broken Sticks, All Tests), 46 Cliff, New York
Isco Chemical Co., 46 Cliff, New York
Mailliard & Schmiedell (Mfrs. Agts.), 203 California, San Francisco, Cal.
Niagara Alkli Co., Niagara Falls, N. Y.
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Riddle Chemical Co., 35 S Dearborn, Chicago
See adv index at end of book
Semet-Solvay Co., H Melton av, Syracuse, N. Y.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

Potash (Permanganate)

(See Potassium Permanganate)

11413a— Potassium Aluminum Sulfate

Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y.
See adv index at end of book

11414—Potassium Bicarbonate

Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*

(Continued on following page)

Potassium Bicarbonate—Continued

Klipstein & Co., 644 Greenwich, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Mutual Chem. Co. of America, 110 William, New York
Riddle Chemical Co., 35 S Dearborn, Chicago
See adv index at end of book
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

11415—Potassium (Bichromate)

Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Klipstein A. & Co., 644 Greenwich, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Mutual Chemical Co. of America, 110 William, New York
National Electrolytic Co. Inc. ("Niagara"), Niagara Falls, N. Y.
Natural Products Refining Co. ("Naproco") 902 Garfield av, Jersey City, N. J.
Riddle Chemical Co., 35 S Dearborn, Chicago
See adv index at end of book
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book
Sergeant E. M. Co., 131 Cedar, New York
Takamine Commercial Corp. (Imp.), 120 B'way, New York
Vitro Manfg. Co., H, Bessemer bldg, Pittsburgh, Pa.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

11415a—Potassium (Binoxalate)

American Alkali & Acid Co., Bradford, Pa.
Cooper Chas. & Co., 194 Worth, New York
Dissosway Chemical Co., Inc. (Sal Acetosella), 55-63 Eckford, Brooklyn, N. Y.
Hummel & Robinson, 90 West, New York
Riverside Mfg. Co., 4528 S B'way, St. Louis, Mo.
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

11416— Potassium Bromide

C. P. Chemical & Drug Co., Inc., 114-118 Liberty, New York
Dissosway Chemical Co., Inc. ("U. S. P."), 55-63 Eckford, Brooklyn, N. Y.
Dow Chemical Co. (Granular & Crystals), Midland, Mich.
Greeff R. W. & Co., 78 Front, New York
Halogen Chemical Co., Bay City, Mich.
Mallinckrodt Chemical Works, 2d & Mallinkrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park pl, New York
New York Quinine & Chemical Works, 135 William, New York
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.

Potassium Carbonate

(See Carbonate of Potash)

11416a—Potassium (Carbonate Calcined)

Cooper & Cooper, Inc., 23H Cliff, New York
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book

11416b—Potassium (Chlorate)

Cooper Chas & Co., 194 Worth, New York
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Innis, Speiden & Co., Inc., 46 Cliff, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Monmouth Chemical Co. ("Four Arrow"), 128 Front, New York
National Electrolytic Co. Inc. ("Niagara"), Niagara Falls, N. Y.
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book
Sergeant E. M. Co., 131 Cedar, New York
Takamine Commercial Corp., 120 B'way, New York
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

11416c—Potassium (Chloride)

American Trona Corp. ("Kemfert"), I. W. Hellman bldg, Los Angeles, Cal.
Ashcraft Wilkinson Co., Atlanta, Ga.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Innis, Speiden & Co., Inc., 46 Cliff, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

11416c1—Potassium (Chromate)

Cooper Chas. & Co., 194 Worth, New York
Klipstein A. & Co., 644 Greenwich, New York
Merck & Co., 45 Park pl, New York
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.
Squibb E. R. & Sons, 23 Vine, Brooklyn, N. Y.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

11416d— Potassium (Cyanide)

Cooper Chas. & Co., 194 Worth, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Mine & Smelter Supply Co., Denver, Colo.
Philipp Bros., Inc., 233 B'way, New York
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y.
See adv index at end of book

11416e—Potassium-Ferri Cyanide

Harshaw Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

11416f—Potassium-Ferro Cyanide

Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

11416g— Potassium (Iodide)

Cooper Chas. & Co. (U. S. P.), 194 Worth, New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park pl, New York
N. Y. Quinine & Chemical Wks., 152 William, New York
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Squibb E. R. & Sons, 80 Beekman, New York
Seydel Mfg. Co., 88 Forrest, Jersey City, N. J.
Takamine Commercial Corp., 120 B'way, New York

11417—Potassium Metabisulphite

C. P. Chemical & Drug Co., 114-118 Liberty, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

Potassium Nitrate

(See Nitrate of Potassium)

11417a— Potassium (Oxalate)

Cooper Chas. & Co., 194 Worth, New York
Dissosway Chemical Co., Inc. (Neutral), 55-63 Eckford, Brooklyn, N. Y.
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book

11417b—Potassium Permanganate

CARUS CHEMICAL PRODUCTS CO. (U. S. P. and tedinical, special needle crystals or powdered), La Salle, Ill.
Cooper & Cooper, Inc., 23H Cliff, New York
Daigger A. & Co., 54 W Kinzie, Chicago, Ill.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Niagara Alkali Co., Niagara Falls, N. Y.
Riverside Mfg. Co., 4528 S B'way, St. Louis, Mo.
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book
Sergeant E. M. Co. (Powdered & Dry), 131 Cedar, New York
Takamine Commercial Corp. (Imp.), 120 B'way, New York

11417c—Potassium Sulphate

Ashcraft Wilkinson Co., Atlanta, Ga.
Baker H. J. & Bro., 81 Fulton, New York
Cooper Chas. & Co. (Dirs.), 194 Worth, New York
Hunnell & Co., 136 Liberty, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park pl, New York
Santa Cruz Portland Cement Co., Crocker bldg, San Francisco, Cal.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

11417d—Potassium (Sulphuret)

Cooper Chas. & Co., 194 Worth, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Klipstein A. & Co., 644 Greenwich, New York
Krembs & Co., 667 W Ohio, Chicago, Ill.
Merck & Co., 45 Park pl, New York
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y.
See adv index at end of book

11418—Potato Coverers & Hillers

Allen S. L. & Co. ("Planet, Jr."), 5th & Glenwood, Phila., Pa.
Caledonia Bean Harvester Works, Caledonia, N. Y
Champion Drill Co., Avon, N. Y.
Eddy W. Plow Co. (Coverer), Greenwich, N. Y.
Empire Plow Co., 3140 E 65th, Cleveland, Ohio
Everts Mfg. Co., Meridian, N. Y.
Hirsch Bros. (Hiller), 267 Reed, Milwaukee, Wis.
Le Roy Plow Co., Le Roy, N. Y.
Munnsville Plow Co., Munnsville, N. Y.
Sargent, Osgood & Roundy Co. (Hiller), Randolph, Vt.
Syracuse Chilled Plow Co., Syracuse, N. Y.

11418a— Potato Flour

Arabol Mfg. Co., 110 E 42nd, New York
Innis, Speiden & Co., Inc., 46 Cliff, New York
Pollack Weeks Co., Inc. (Imp.), 147 Hudson, New York
Rutger Bleecker, 87 Wall, New York
Seydel Mfg. Co., 88 Forrest, Jersey City, N. J.

11419— Potentiometers

Cutler-Hammer Mfg. Co., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
HOWARD RADIO CO., INC., 451-469 E Ohio, Chicago, Ill.
See adv index at end of book
Leeds & Northrup Co., 4901H Stenton av, Phila., Pa.
Queen-Gray Co., 64-70H W. Johnson, Phila., Pa.
Radio Corp. of Am. (Radio), 64 Broad, New York

11419a— Potentiostats

U. S. E. M. Co., 301 W 37th, New York

11419b— Pothead Supports

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

11420— Potheads & Sleeves

Bissell F. Co., Toledo, O.
Brady Electric Mfg. Co., New Britain, Conn.
Colonial Sign & Insulator Co. ("Colonial" All Porcelain, Potheads), Akron, O.
Cook Frank B. Co., 326 W Madison, Chicago, Ill.
Electrical Development & Machine Co., 221 N 23rd, Phila., Pa.
Electrical Engineers Equipment Co., 711 Meridian, Chicago, Ill.
G. & W. Electric Specialty Co. ("G. & W." Detachable Porcelain), 7440 S Chicago av, Chicago, Ill.
Metropolitan Device Corp., 1250 Atlantic av, Brooklyn, N. Y.
Mineralac Electric Co., 1045 Washington blvd, Chicago, Ill.
Moon Mfg. Co. (Self Soldering), 122 N Jefferson, Chicago Ill.
Okonite Co. ("Candee"), Passaic, N. J.
Protective Elect'l Supply Co., Fort Wayne, Ind.
Standard Underground Cable Co., 17th & Pike, Pittsburgh, Pa.

11421— Pots (Acid)

Devine J. P. Co., 1372 Clinton, Buffalo, N. Y.
Duriron Castings Co., Dayton, O.
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Knight, Maurice A., Akron, Ohio

11422— Pots (Annealing)

Blaw-Knox Co., Freeport rd., Hoboken, Pa.
Bethlehem Shipbuilding Corporation, Ltd., Bethlehem, Pa.
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Continental Iron Works, West & Calyer, Brooklyn, N. Y.
Eclipse Fuel Engineering Co. (Pressed Steel), Rockford, Ill.
Egan Rogers Steel & Iron Co., Crum Lynne, Pa.
Globe Malleable Iron & Steel Co., 101 Greenway av, Syracuse, N. Y.
Heggie James G. & Sons, Inc., Joliet, Ill.
Mackenzie's Duncan Sons Co., Trenton, N. J.
Morgan Construction Co., Worcester, Mass.
Penn Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.
Philadelphia Roll & Machine Co. (For Wire, Steel & Iron), 52d & Grays av, Phila., Pa.
PRESSED STEEL TANK CO. (Seamless, Steel), 58th & Greenfield av, Milwaukee, Wis.
See adv index at end of book
Smith Geo. H. Steel Casting Co. (Steel), 500 Clinton, Milwaukee, Wis.
Strong, Carlisle & Hammond Co., 336-344 Frankfort av, N W, Cleveland, O.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.

11423—Pots (Asphalt & Mastic)

Barber Asphalt Paving Co., Land Title bldg, Phila., Pa.
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Evans F. H. (Est. of), 31 Hewes, Brooklyn, N. Y.
New York Central Iron & Wks. Co. Inc., Dept. H, Hagerstown, Md.

11424— Pots (Bean)

Dorchester Pottery Works, 9 Preston, Boston, Mass.
Farber S. W., 147 S 5th, Brooklyn, N. Y.
Wingender Chas. & Bros., Haddonfield, N. J.

11424a— Pots (Bleach)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Duriron Castings Co., Dayton, O.

Pots (Burnishing)

See Stoneware, Chemical

11425—Pots (Case Hardening)

Egan Rogers Steel & Iron Co., Crum Lynne Pa.
Wharton Wm. Jr. & Co., Inc. (Cast Steel), Easton, Pa.

11425a— *Pots (Caustic)

See also Pots, Chemical

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.

CAUSTIC POTS

BUFFLOKAST

Constructed of special metal composition to resist the combined action of caustic and high temperature.

BUFFALO FOUNDRY & MACHINE CO.
65 Winchester Avenue, Buffalo, N. Y.

11426— Pots (Chemical)

Bethlehem Shipbuilding Corporation, Ltd. (Cast Iron), Bethlehem, Pa.
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Devine J. P. Co., 1372 Clinton, Buffalo, N. Y.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Egan Rogers Steel & Iron Co., Crum Lynne, Pa.
FARRAR & TREFTS, INC., Buffalo, N. Y.
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Fulton Fdry. Co., 1209 Marquett av, Cleveland, O.
Glamorgan Pipe & Foundry Co., Lynchburg, Va.
Knight Maurice A. (Stoneware), Akron, O.
Kutztown Foundry & Machine Co., 1421 Chestnut, Phila., Pa.
See adv index at end of book
Marshall Foundry Co., 28th & RR, Pittsburgh, Pa.
Moore, Sam'l L. & Sons, Elizabeth, N. J.
Sowers Mfg. Co., 1300 Niagara, Buffalo, N. Y.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Withers Foundry & Machine Works, Atlanta, Ga.

11427— Pots (Cinder)

Bethlehem Shipbuilding Corporation, Ltd., Bethlehem, Pa.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Valley Mould & Iron Corp., Sharpsville, Pa.

Pots (Decanting)

See Stoneware, Chemical

Pots (Dross)

See Kettles, Dross

11428— Pots (English)

Birmingham Stove & Range Co. (Cast Iron), Birmingham, Ala.
Glascock Stove & Mfg. Co., Greensboro, N. C.
Indiana Hollow Ware Co. (Cast Iron), **Jeffersonville, Ind.**

11429— Pots (Fire)

See also Furnaces, Gasoline Blast; also Furnaces, Soldering

Ashton Mfg. Co. ("Red Hot" Gasoline), 184 Emmet, Newark, N. J.
Berger Bros. Co., 229 Arch, Phila., Pa.
Bernz Co., Inc., Otto, 17 Ashland, Newark, N. J.
See adv index at end of book
Best Light Co., 477 Second N E, Canton Ohio
Canedy-Otto Mfg. Co. ("Royal" Needs No Clay), Chicago Heights, Ill.
Clayton & Lambert Mfg. Co. (Gasoline Soldering, Kerosene, Canners', Electricians' & Lineman's, Plumbers' & Tinners', etc.), 10565 Knodell av, Detroit, Mich.
Combustion Utilities Corp.. 8-10 Bridge, Boston, Mass.
DIENER GEO. W. MFG. CO. ("Torrid"), 400 Monticello av, Chicago, Ill.
See adv index at end of book
Double Blast Mfg. Co. ("Lundy Double Blast"), North Chicago, Ill.
Globe Gas Light Co. ("Barthel"), 25 Union, Boston, Mass.
Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
Kemp C. M. Mfg. Co. ("Climax," Gas), 405 E Oliver, Baltimore, Md.
Niagara Machine & Tool Wks. (Charcoal), **Buffalo, N. Y.**
Orleans Steel Products Co., Inc., 1021 Brenville, New Orleans, La.
Reliable Stove Co., 1787 E 40th, Cleveland, O.
Tirrill Gas Mach. Lighting Co., 50H Church, New York
Turner Brass Works, Sycamore, Ill.
Vaughn Machinery Co., Cuyahoga Falls, O.
Welded Steel Barrel Corp., Hart & Charlevoix av, Detroit, Mich.

11430— Pots (Flower)

Bauer J. A. Pottery Co., 415 W av 33, Los Angeles, Cal.
Bird & Son ("Neponset" Waterproof Paper), East Walpole, Mass.
Cambridge Tile Mfg. Co., Covington, Ky.
Cordley & Hayes ("Fibrotta" Fibre), 32 Leonard, New York
See adv index at end of book
Findlay Clay Pot Co., Findlay, O.
Goodwin Bros. Pottery Co., Elmwood, Conn.
Hall Concrete Products Co. ("Artcrete"), Grassland, Pa.
Hews A. H. & Co., Cambridge, Mass.
Hilfinger Bros., Fort Edward, N. Y.
Ionia Pottery Co., Ionia, Mich.
Keller Pottery Co., Norristown, Pa.
Louisville Pottery Co., Floyd & Bloom av, Louisville, Ky.
Mott J. L. Iron Works, Trenton, N. J.
National Pottery Co., Rossville, Ohio
Pacific Stoneware Co., Inc., 695 S Sherlock av, Portland, Ore.
Peters & Reed Pottery Co. (Also Jardineres), **Zanesville, O.**
Pfaltzgraff Pottery Co., York, Pa.
Rochelle F. W. & Sons (Paper), **Chester, N. J.**
Shaw M. E. (Cemetery), **188 N Daly, Los Angeles, Cal.**
Springfield Clay Mfg. Co., Springfield, O.
Syracuse Pottery, 713 E Division, Syracuse, N. Y.
Uhl Pottery Co., Evansville, Ind.
Utah Fire Clay Co., Salt Lake City, Utah
Washington Brick, Lime & Sewer Pipe Co., Spokane, Wash.
Whilldin Pottery Co., 713 Wharton, Phila., Pa.

Pots (Galvanizing)

See Kettles, Galvanizing

Pots (Glass Melting)

See Glass House Clay Supplies

11431— Pots (Glue)

See also Heaters, Glue

American Electrical Heater Co. ("American Beauty"), 6125 Woodward, Detroit, Mich.
Beck Chas. Machine Co., 607 Chestnut, Phila., Pa.
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Black Bros. Co. (The), Inc., Mendota, Ill.
See adv index at end of book
Indiana Hollow Ware Co., Jeffersonville, Ind.
GENERAL ELECTRIC CO. (Electric) Schenectady, N. Y.
See adv index at end of book
Grammes L. F. & Sons, 311 Union, Allentown, Pa.
See adv index at end of book
Hulburt Electro-Steam Mfg. Co. ("Hulburt" Electro Steam), 76H Tehama, San Francisco, Cal.
Knowlton M. D. & Co., 26 Elizabeth, Rochester, N. Y.
Kraft A. C., 323 W Lake, Chicago, Ill.
Nason Mfg. Co., 71 Fulton, New York.
See adv index at end of book
New Advance Machine Co., Van Wert, O.
Reading Saddle & Mfg. Co. ("Home," Household), Reading, Pa.
Russell Elect. Co. ("Hold-Heet" Electric), 340 W. Huron, Chicago, Ill.
Scattergood H. W. Co. ("Scattergood Mucilage), 1722 W Venango, Phila., Pa.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Wallace J. D. & Co., 134 S Calif. av, Chicago, Ill.
Westinghouse Electric Mfg. Co. (Electric), **East Pittsburgh, Pa.**
See adv index at end of book

11432— Pots (Lead)

Egan Rogers Steel & Iron Co., Crum Lynne, Pa.
McAleenan Bros. Co., 25th & A. V. R. R., Pittsburgh, Pa
Sperry D. R. & Co. (For Mixing White Lead & Oil, etc.), **Batavia, Ill.**

11433— Pots (Marking)

AMERICAN CAN CO., 120 Broadway, New York *See adv index at end of book*
Atlanta Rubber Stamps & Stencil Works, Atlanta, Ga.
Binney & Smith Co. (Cylinder), **41 E 42d, New York**
Bradley A. J. Mfg. Co. ("Bradley" Combination, Ball Marking & Stencil), 101 Beekman, New York
Central Stamping Co., 206 B'way, New York
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Geuder, Paeschke & Frey Co. (Pieced Tin), 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Ideal Stencil Machine Co., 42 Ideal block, Belleville, Ill.
Kraft A. C., 323 W Lake, Chicago, Ill.
Matthews Jas. H. & Co. (Ink, Stencil), **3942 Forbes, Pittsburgh, Pa.**
National Enameling & Stamping Co., 411 5th av, New York
Sexton Can Co., 123 Broad, Boston, Mass.
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.
Sullivan-Geiger Co., Indianapolis, Ind.

11434— Pots (Melting)

American Fdry. & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Welding Co. (For Lead, etc.), **Carbondale, Pa.**
Bethlehem Shipbuilding Corporation, Ltd., Bethlehem, Pa.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Campbell-Hausfeld Co., Harrison Ohio
Canton Foundry & Machine Co. (Cast Iron), **Canton, O.**
See adv index at end of book
Crane Wm. M. Co. ("Vulcan"), 18 E 41st, New York
Francis Charles E. Co., Rushville, Ind.
Garwood Bronze & Iron Works, Garwood, N. J.
Glenn Fred. E., St. Charles, Ill.
Gwynn-Bacon Vulcanizer Co., 2502 Cass, St. Louis, Mo.
International Elec. Co., Indianapolis, Ind.
Mabey's Elec. Mfg. Co., 968 Ft. Wayne, Indianapolis, Ind.
Monarch Engineering & Mfg. Co., American bldg, Baltimore, Md.
Mullins Body Corp. (Pressed Steel), **Salem, Ohio**
Philadelphia Roll & Machine Co. (Steel & Iron), **52d & Grays av, Phila., Pa.**
STEVENS FREDERIC B., INC. (Babbitt Metal), **3rd & Larned, Detroit, Mich.**
See adv index at end of book
Strong, Carlisle & Hammond Co., 336-344 Frankfort av N W, Cleveland, O.
Union Iron Works (Lead Melting), **Hoboken, N. J.**
United States Hdwre. & Mfg. Co., 16H Warren av, Pawtucket, R. I.
Vulcan Elec. Htg. Co., 107 W 13th, New York
Wilfong Millard F. Iron Works Co., 52d & Gray's av, Phila., Pa.

11435— Pots (Mixing)

Bethlehem Foundry & Machine Co., So Bethlehem, Pa.
Graham Chas. Chemical Pottery Works (Stoneware), 986 Met av, Brooklyn, N. Y.
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
New York Central Iron Wks. Co., Inc., Dept. H., Hagerstown, Md.

Pots (Nitre)

See Pots, Chemical

11436— Pots (Paint)

Sexton Can Co. ("Sexton's" Tapering Iron), 123 Broad, Boston, Mass.

11437—Pots (Pouring, Asphalt, Etc.)

Barber Asphalt Co. ("Iroquois"), Land Title bldg, Phila., Pa.
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book

11438— Pots (Salinometer)

National Gauge Co., 300 Pacific, Brooklyn, N. Y.
Star Brass Mfg. Co., 53 Oliver, Boston, Mass.

11439— Pots (Saturating)

BIGGS BOILER WORKS CO. (For Rubber Mills), **Case av & Williams, Akron, O.** *See adv index at end of book*

11440— Pots (Slag)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Farrar & Trefts, Inc., Buffalo, N. Y.
Kennedy Van Saun Mfg. & Eng. Corp., 50 Church, New York
See adv index at end of book
Marshall Foundry Co., 28th & R. R., Pittsburgh, Pa.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
Worthington Pump & Machinery Corp., 115 B'way, New York

11441— Pots (Smudge)

American Can Co., 120 Broadway, New York City
See adv index at end of book
American Steel Pipe & Tank Co. ("Coe" Smokeless), Los Angeles, Cal.

11442— Pots (Solder)

American Fdry. & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Ashton Mfg. Co. ("Red Hot" Metal), 184 Emmet, Newark, N. J.
Best Light Co., 477 Second N E, Canton, O.
Bignall Co., Medina, N. Y.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Casey-Hedges Co., Chattanooga, Tenn.
Central Foundry Co., 41 E 42d, New York
Clayton & Lambert Mfg. Co. (Metal, Plumbers), 1370-80 Beaubien, Detroit, Mich.
Glenn Fred E., St. Charles, Ill.
Hollands Mfg. Co., 352 E 18th, Erie, Pa.
Indiana Hollow Ware Co., Jeffersonville, Ind.
Jones Hollow Ware Co., 1012 Ashland av, Baltimore, Md.
Kupferle Jno. C. Fdry. Co., 1st & Wright, St. Louis, Mo.
Modern Iron Works, Quincy, Ill.
Mott J. L. Iron Works, Trenton, N. J.
Osborne C. S. & Co., Box 183, Newark, N. J. *See adv index at end of book*
Russell Elect. Co. ("Hold-Heet" Electric), 340 W Huron, Chicago, Ill.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Sperry D. R. & Co., Batavia, Ill.
Stortz John & Son, 210 Vine, Phila., Pa.
Stuart & Peterson Co., Burlington, N. J.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Swett A. L. Iron Works, Medina, N. Y.
Turner Brass Works, Sycamore, Ill.

Pots (Sprinkling)

See Pots, Watering

Pots (Stencil Marking)

See Pots, Marking

11442a—*Pots (Sulphonation)

Buffalo Foundry & Machine Co. (Phenol & Picric Acid), 65 Winchester av, Buffalo, N. Y. *See adv index at end of book*

11443— Pots (Tallow)

Eagle Mfg. Co., Wellsburg, W. Va.
GEM MANUFACTURING CO. ("Gem" Heavy Welded Steel, Copper, Plated & Polished Steel), Goebel, nr. Fulton, Pittsburgh, Pa.
See adv index at end of book
Johnson Mfg. Co., Urbana, O.
Noera Mfg. Co. (Nickel Plated Steel), Waterbury, Conn.
Wall P. Mfg. Supply Co., 705 Preble av, N S, Pittsburgh, Pa.

Pots (Tea & Coffee)

See Copper Ware, Stamped, Plated, etc.; also Enameled Ware Mfrs.; also Tinware Mfrs.; also Hollow Ware Mfrs.; also Aluminum Hollow Ware; also Percolators, Coffee

11444— Pots (Tempering)

Garwood Bronze & Iron Works, Garwood, N. J.
Egan Rogers Steel & Iron Co., Crum Lynne, Pa.
National Tube Co. ("Shelby" Seamless Steel Tubing), Frick bldg, Pittsburg, Pa.
Wharton Wm. Jr. & Co., Inc. (Cast Steel), Easton, Pa.

11445-6— Pots (Tinning)

Millers Falls Co. (West Haven Plant) (Machine Turned, Highly Polished), Dept. H, West Haven, Conn.
Phila. Roll & Machine Co., 52d & Grays av, Phila., Pa.
Treadwell Construction Co., Midland, Pa.

11447— Pots (Watering)

See also Enameled Ware Mfrs.; also Tinware Mfrs.
Atlantic Stamping Co. ("Atlantic," Sprinkling, Galvanized Iron), 156-180 Ames, Rochester, N. Y.
Central Stamping Co. ("Central" & "Newark"), 206 B'way, New York
Consolidated Fruit Jar Co. (Flower Sprinklers), New Brunswick, N. J.
Crunden-Martin Mfg. Co. (Galvanized), 2d & Gratiot, St. Louis, Mo.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Geuder, Paeschke & Frey Co. (Galvanized Iron), 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Lisk Mfg. Co. (Ltd.), ("Lisk" Galvanized Iron), Canandaigua, N. Y.
National Enameling & Stamping Co., 374 B'way, New York
Rochester Can Co. ("Iron Horse" Galvanized Sprinkling Cans), 89 Hague, Rochester, N. Y.
Schlesinger Leo. & Co., 537 Greenwich, New York

11448— Potteries

Abingdon Sanitary Mfg. Co., Abingdon, Ill.
Acme Sanitary Pottery Co., Trenton, N. J.
Acton Tile & Pottery Co., 2117-23 Reading road, Cincinnati, Ohio
American Clay Products Mfg. Co., Stillwater, Minn.
American Sanitary Works, Washington, N. J.
Anchor Pottery, Trenton, N. J.
Baker Charles, Rockville, Ind.
Baldoser & Pace Pottery Co., Roseville, O.
Bangor Stoneware Co., Bangor, Me.
Bauer J. A. Pottery Co., 415 W av 33rd, Los Angeles, Cal.
Bellmark Co., Trenton, N. J.
Bennett Edwin Pottery Co., Eden & Fleet, Baltimore, Md.
Bohemian Pottery Co., Zanesville, O.
Bowers Pottery Co., Mannington, W. Va.
Brush-McCoy Pottery Co., Zanesville, O.
Buffalo Pottery Co., 1456 Seneca, Buffalo, N. Y.
Burley & Winter Pottery Co., Crooksville, O.
California Pottery Co., 579 Mills bldg, San Francisco, Cal.
Camden Pottery Co., Camden, N. J.
Cannelton Stoneware & Pottery Co., Cannelton, Ind.
Canonsburg Pottery Co., Canonsburg, Pa.
Carrollton Pottery Co., Carrollton, O.
Cartwright Bros. Co. (Druggists), East Liverpool, O.
Clark Bros. Pottery Co., Cannelton, Ind.
Claycraft Potteries, 3101 San Fernando rd, Los Angeles, Cal.
Cochran, Drugan & Co., Trenton, N. J.
Cook Bros. Pottery Co., Gadsden Ala.
Crooksville China Co., Crooksville O.
Crooksville Pottery Co., Crooksville, O.
Crown Potteries Co., 2800 Division, Evansville, Ind.
Dailey Clay Products Co., Warrenton, Oreg.
Dalton Pottery Co., Dalton, O.
Dedham Pottery Co. (Blue Vitreous, Decoration), East Dedham, Mass.
Dickey W. S. Clay Mfg. Co., N. Y. Life bldg, Kansas City, Mo.
Douglas John Co., Carthage, Cincinnati, O.
Dunlop & Lisk Pottery Co., Matawan, N. J.
East Liverpool Potteries Co. (Decorated), East Liverpool, O.
Economy Pottery Co., Trenton, N. J.
Elite Pottery Co., Trenton, N. J.
Eljer Co., Ford City, Pa.
Fearon Brown Co. (Imp.), 96 Wall, New York
Florentine Pottery Co., Cambridge, Ohio
Ford Porcelain Works, Perth Amboy, N. J.
French China Co. (Dinner, Toilet), Sebring, O.
Fulper Pottery Co. (Stone Liquor Jugs), Flemington, N. J.
Galloway Terra Cotta Co. (Garden), 3216 Walnut, Phila., Pa.
Garden City Pottery Co. San Jose, Cal.
Gladding, McBean & Co., Crocker bldg., San Francisco, Cal.
Goodwin Bros. Pottery Co., Elmwood, Conn.
Graham Chas. Chemical Potter Wks. (Acid Proof Chemical), 986 Metropolitan av, Brooklyn N. Y.
Greenwood China Co., Trenton, N. J.
Greenwood Pottery Co., Trenton, N. J.
Guernsey Earthenware Co., Cambridge, O.
Hampshire Pottery, Inc. ("Hampshire" Artistic), Keene, N. H.
Harker Pottery Co. (Decorated), East Liverpool O.
Hawthorn Pottery Co., Hawthorn, Pa.
Helfrich Pottery Co., Evansville, Ind.
Hews A. H. & Co., Cambridge, Mass.
Hilfinger Bros., Fort Edward, New York
Hull A. E. Pottery Co. Crooksville, O.
Hyssong C. A., Bloomsburg, Pa.
International Pottery Co. (Decorated, Semi-vitreous), Trenton, N. J.
Ionia Pottery Co., Ionia, Mich.
Keller George Pottery Co., 2618 Herndon, Chicago, Ill.
Keller Pottery Co., Norristown, Pa.
Keystone Pottery Co., Trenton, N. J.
Knight M. A. (Acid-proof Chemical Stoneware), Akron, O.
Knowles Homer Pottery Co., Santa Clara, Cal.
Knowles Taylor & Knowles Co. (Decorated, Semi-vitreous), East Liverpool, O.
Lambertville Pottery Co., Lambertville, N. J.
Laughlin Homer China Co., East Liverpool, O.
Lavey James B., Milan, O.
Limoges China Co. (Table), Sebring, O.
Logan Pottery Co., Logan, O.
Louisville Pottery Co. (Mfrs.), Floyd & Bloom av, Louisville, Ky.
Lowry Curtis W, Roseville, O.
Lowry F. S. Pottery Co., Roseville, O.
Lyons Stoneware & Pottery Co., Lyons, N. Y.
McCoy-Nelson Sanitary Stoneware Co., Roseville, O.
McDade Pottery, McDade, Tex.
McNicol D. E. Pottery Co. (Decorated), East Liverpool, O.
Maddock John & Sons, Trenton, N. J.
Maddock's Thos. Sons Co., Trenton, N. J.
Mercer Pottery Co. (Decorated, White), Trenton, N. J.
Midland Pottery Co., Zanesville, O.
Missouri Pottery & Mfg. Co., 1228 W 8th, Kansas City, Mo.
Mohawk Clay Products Co. ("Moco"), Perrysville, O.
Monument Pottery Co. (Majolica), Trenton, N. J.
Morris China Co., Trenton, N. J.
National China Co., Salineville O.
National Pottery Co., Roseville, Ohio
New Jersey China Pottery Co., Trenton, N. J.
Niloak Pottery, Benton, Ark.
Ohio China Co. (Decorated), East Palestine, O.
Ohio Pottery Co., Zanesville, O.
Onondaga Pottery Co., Syracuse, N. Y.
Owen China Co. (All Kinds), Minerva, O.
Owens J. B. Floor & Wall Tile Co. (Art), Zanesville, O.
Pace Bros. & Son, Roseville, O.
Pacific Coast Pottery & Terra Cotta Co., San Jose, Cal.
Pacific Stoneware Co., Inc., 695 Sherlock av, Portland, Ore.
Paden City Pottery Co. (Fireproof Cooking Ware), Paden City, W. Va.
Paducah Pottery Co., Paducah, Ky.
Patterson Bros. (Decorated), Wellsville, O.
Peerless Statuary Co., Rahway, N. J.
Perine M. & Sons 1009 W Baltimore, Baltimore, Md.
Peters & Reed Pottery Co., Zanesville, O.
Pewabic Pottery Co., 10125 Jefferson, Detroit, Mich.
Pfaltzgraff Pottery Co. (Stoneware), York, Pa.
Pierron Pottery Co., 31 Johnson, Milwaukee, Wis.
Potters Co-operative Co. (Decorated), East Liverpool, O.
Poxon Pottery, 2300 E 52nd, Los Angeles, Cal.
Ransbottom Bros. Pottery Co., Roseville, O.
Rapp Bros., Morton, Ill.
Resolute Pottery Co., Trenton, N. J.
Ritger Excelsior Pottery Co., 495 5th, Newark, N. J.
Robinson Clay Product Co., Akron, O.
Roseville Pottery Co., Zanesville, O.
Royal China Co., Sebring, O.
Sanitary Earthenware Specialty Co., Trenton, N. J.
Sebring E. H. China Co., Sebring, O.
Shenango Pottery Co., New Castle, Pa.
Smith-Phillips China Co. (Decorated), East Liverpool, O.
South Carolina Pottery Co., North Augusta, S. C.
Southern Potteries, Inc. ("Clincfield"), China, Erwin, Tenn.
Standard Pottery Co. (Decorated), East Liverpool, O.

Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Standard Sanitary Pottery Co., Elizabeth, N. J.
Star Stoneware Co., Crooksville, O.
Steubenville Pottery Co. (Tableware), Steubenville, O.
Stevens Bros. Co., Stevens Pottery, Ga.
Stine C. W. Pottery Co., White Cottage, O.
Summit China Co., Akron, O.
Swope George A., Lancaster, Pa.
Syracuse Pottery (Flower Pots), 713 E Division, Syracuse, N. Y.
Thompson C. C. Pottery Co. (All Kinds), East Liverpool, O.
Trenton Fire Clay & Porcelain Co., Trenton, N. J.
Trenton Potteries Co. (Decorated), Trenton, N. J.
Union Clay Products Co., Bloomingdale, Ind.
Universal Sanitary Mfg. Co., New Castle, Pa.
Van Briggle Tile & Pottery Co., Colorado Springs, Colo.
Van Pottery Co., Trenton, N. J.
Vodrey Pottery Co. (Decorated), East Liverpool, Ohio
Volkmar Kilns, Metuchen, N. J.
Warwick China Co. (Decorated), Wheeling, W. Va.
Weaver Pottery Co., Catlettsburg, Ky.
Weller S. A. (Faience), Zanesville, O.
Wellsville China Co. (Decorated), Wellsville, O.
West End Pottery Co. (Decorated), East Liverpool, O.
Western Pottery Co., 1575 Alcott, St. Louis, Mo.
Wheeling Sanitary Mfg. Co., Wheeling, W. Va.
White Hall Pottery Works, White Hall, Ill.
Winfield Pottery Co., Winfield, Tex.
Wingender Charles & Bro., Haddonfield, N. J.
Woodbridge Pottery Co., Woodbridge, N. J.
Zanesville Art Pottery Co. (Pitchers), Zanesville, O.
Zanesville Stoneware Co. (Tableware), Zanesville, O.

11449— Potters' Supplies

Burgess & Co., East Liverpool, O.
Fuerst Bros. & Co., 2 Stone, New York
Golding Sons Co. (Clays, Feldspar, etc), Trenton, N. J.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Milligan Hardware & Supply Co. (Brushes, Magnets & Vails), East Liverpool, O.
Mountford & Son, East Liverpool, O.
Potters Mining & Milling Co., East Liverpool, O.
Potters Supply Co., East Liverpool, O.
Sant Jno. & Sons Co., East Liverpool, O.

11450— Pouches (Mail)

Canvas Leather Specialty Co. (Leather), 757 Cass, Trenton, N. J.
Humphrys' R. A. Sons, 1026 Callowhill, Phila. Pa. *See adv index at end of book*

11451— Poultry Supplies

Barnes Bros., Wellsville, N. Y.
Marble Cliff Quarries Co. (Poultry Grit), Columbus, O.
O. K. Company, 157 Water, New York

11452— Pounders (Steak)

Arcade Mfg. Co. (Or Meat), Freeport, Ill.
Grey Iron Casting Co. ("Mt Joy," etc), Mt. Joy, Pa.
Nicol & Co. ("Star," Ice Pick & Steak Pounder), 213 N Jefferson, Chicago, Ill.
Stover Mfg. & Engine Co., Freeport, Ill.
Wagner Mfg. Co. ("Daisy"), Cedar Falls, Ia.
White Ira F. & Son Co., Bloomfield, N. J.
Williams A. C. Co., Ravenna, O.
Wrightsville Hardware Co., Wrightsville, Pa.

11453—*Pounders (Steak, Spice, etc.)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons (Meat), 364 5th av, New York *See adv index at end of book*

11454— Powder Mfrs.

American Luminous Products Co. ("Radio"), Hunting Park, Cal.
American Powder Mills ("Dead Shot" Black & Smokeless), Board of Trade bldg, Boston, Mass.
American Smokeless Powder Co. (Smokeless), 1005 Bd. of Trade bldg, Boston, Mass.
Atlas Powder Co. ("Atlas" & "Atlas Farm"), Wilmington, Del.
Austin Powder Co., 1229 Rockefeller bldg, Cleveland, O.
Black Diamond Powder Co., Pittston, Pa.
Cameron Powder Mfg. Co., Emporium, Pa.
Cressona Powder Co. (Blasting), Pottsville, Pa.
Diamond Pointed Tool Co. (Diamond), 101H Beekman, New York
Dittmar Powder Works, 102 W 130th, New York
DU PONT E. I. de NEMOURS & CO. INC. ("Ballistite" Smokeless Shotgun, "Du-Pont" Smokeless Shotgun, "Du Pont No. 1" Rifle Smokeless, "Du Pont Pistol Powder No. 5." "Du Pont R. R. P.," "Gallery Rifle Powder No. 75," "Hazard Kentucky" Rifle, "Improved Military Rifle Powders Nos. 15, 16, 18, 20," "Tesmok" Rifle, "Pacific" Stumping, "Schuetzen" Rifle Smokeless, 'Schultze" Smokeless Shotgun, "Sporting Rifle Powder No. 80," Black, Cannon, Explosives, Blasting & Fuse Powder. See Adv at Explosives), Explosives & Smokeless Powder Depts., Wilmington, Del.
See adv index at end of book

DU PONT

Sporting and Military Powders

for

Shotguns, Rifles and Revolvers

Smokeless Shotgun Powders

The du Pont Company manufactures five brands of smokeless shotgun powders: Du Pont (Bulk), Schultze (Bulk), Ballistite (Dense), Du Pont Oval, Du Pont No. 2.

Du Pont No. 2 is sold only to the loading companies.

Black Sporting Powders

For shotgun, rifle, pistol and revolver ammunition. Brands: Du Pont Rifle, Hazard Kentucky Rifle.

These are reliable, uniform powders, in granulations Fg, FFg, FFFg.

Rifle and Pistol Powders

Rifle Smokeless Powders—(Bulk) Du Pont No. 1 Rifle Smokeless; Gallery Rifle Powder No. 75; Sporting Rifle Powder No. 80; Schuetzen Rifle Smokeless; Blank Fire Powder.

Dense Military Rifle Powders—Improved Military Rifle Powders Nos. 15, 15½, 16, 17½, 18—super-high velocity powders.

Du Pont Pistol Powder No. 5—A dense, smokeless pistol powder.

All Du Pont Smokeless Rifle and Pistol Powders are of the nitrocellulose type.

Smokeless Powder Dept.

E. I. du Pont de Nemours & Company

(Incorporated)

Wilmington, Delaware

See Advertisement at Explosives
See list of branch offices in Address and Local Distributors Section

Egyptian Powder Co., East Alton, Ill.
Equitable Powder Mfg. Co., East Alton, Ill.
Giant Powder Co., Cons. ("Giant" Blasting, Stumping, Non-Freezing, "Eureka" Stumping & "Judson"), First National Bank bldg, San Francisco, Cal.
Grasselli Powder Co. (Blasting), Guardian bldg, Cleveland, O.

HERCULES POWDER CO.

(Black Sporting, Blasting, etc., Fireworks, Fuse, Gun, Military Revolver Smokeless, Rifle Smokeless, Sporting Black & Smokeless), Wilmington, Del.
King Powder Co. ("King" Smokeless, "F. F. G." Semi Smokeless), First Nat. Bank bldg, Cincinnati, O.
McAbee G. R. Powder & Oil Co. ("Tanenelite" Safety for coal mining), Oliver bldg, Pittsburgh, Pa.
Miller Jas. S., Sumneytown, Pa.
Nixon Nitration Wks. (Smokeless), New Brunswick, N. J.
Nitro Powder Co. (Gun Powder, Black), Kingston, N. Y.
Puget Sound & Alaska Powder Co. ("Vulcan"), 307 Pioneer bldg, Seattle, Wash.
Rendrock Powder Co. ("Rack-a-Rock"), 128 Front, New York
Roberts Powder Co., Shenandoah, Pa.
Rockdale Powder Co., York, Pa.
Shamokin Powder Co. (Blasting), Shamokin, Pa.
Trojan Powder Co. ("Trojan" Non-Freezing), Jordan Sta., Allentown, Pa.
United States Powder Co. (Explosive), Terre Haute, Ind.
Western Powder Mfg. Co., East Alton, Ill.

11455—*Powder (Stumping)

DU PONT E. I. DE NEMOURS & CO., INC. Explosives & Smokeless Powder Depts., (See Adv at Explosives), Wilmington, Del.
See adv index at end of book
Giant Powder Co., Cons. ("Giant," "Eureka"), First National Bank bldg, San Francisco, Cal.
Trojan Powder Co., Jordan Sta., Allentown, Pa.

11456— Powder Thawers

Atlas Powder Co. ("Atlas," "Atlas Farm," "Forcite," "Giant," "Rendite"), Wilmington, Del.
Rundle A. J. ("Rundle's"), Iron Mountain, Mich.

Powder (Washing)

See Powders, Soap

11457-8— Powdered Coal Installation

Allis-Chalmers Mfg. Co. (Pulverizers, Dryers, Ejectors, etc), Milwaukee, Wis.
See adv index at end of book

Powders (Aluminum)

See Bronze Powders

11459— Powders (Bleaching)

See also Chloride of Lime

Arnold Hoffman & Co., 55 Canal, Providence, R. I.
Babbitt, B. F., Inc. ("Acme"), 15 W 34th, New York
Champion Chemical Works (Chloride of Lime), 19 W Austin av, Chicago, Ill.
Clark Fred G. Co., 1081 W 11th Cleveland, O.
Dow Chemical Co., Midland, Mich.
Drackett P. W. & Sons Co., 3426 Edwards, Cincinnati, O.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Fuerst Bros. & Co. (Imported), 2 Stone, New York
Graesselli Chemical Co., Guardian bldg, Cleveland, O.
Great Western Electro-Chemical Co. ("Bear"), 9 Main, San Francisco, Cal.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Hollingsworth & Peterson, Lafayette bldg, Phila., Pa.
Hooker Electro Chemical Co., 25 Pine, New York
Innis Speiden & Co. Inc. ("Isco"), 46 Cliff, New York
Isco Chemical Co., 46 Cliff, New York
Klipstein A. & Co. (Imp.), 644 Greenwich, New York
MATHIESON ALKALI WORKS, 25 W 43d, New York
See adv index at end of book
Michigan Electrochemical Co., Menominee, Mich.
Niagara Alkali Co., Niagara Falls, N. Y.
North Coast Soap Co., 6317 17th av, S. Seattle, Wash.
Pennsylvania Salt Mfg. Co., Widener bldg, Phila., Pa.
Riker J. L. & D. S. (Imp. & Mfrs. Agts.), 19 Cedar, New York
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book
Sergeant E. M. Co., 131 Cedar, New York
Tennant C. Sons & Co. of N. Y. (Imp), 19 W 41st, New York

11460—Powders (Carbonating)

Church & Dwight Co. ("Zenith"), 27 Cedar, New York
Fergusson Alex. C. Jr., 474 Chestnut Phila., Pa. *See adv index at end of book*

11461—Powders (Flattening)

Scheel Wm. H. (Imported), 179 Water, New York *See adv index at end of book*

11462—Powders (Hardening)

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Scheel Wm. H. (Imp.), 179 Water, New York *See adv index at end of book*

Powders (Insect)

See Insecticides

11462a— Powders (Scouring)

California Soap Co., 2437 E. 9th, Los Angeles, Cal.
Domestic Soap Mfg. Co., 113 6th, Long Island City, N. Y.
Fergusson Alex. C. Jr., 474 Chestnut Phila., Pa. *See adv index at end of book*
Hunnewell Soap Co., 312 Genesee, Cincinnati, Ohio.
Kenny J. T. & Co. ("Kennys"), St. Paul, Minn.
Larkin Co., 680 Seneca, Buffalo, N. Y.
Lever Bros. Co. ("Brooks Crystal"), Cambridge, Mass.
Strunz S. & Son, 708 Bingham, Pittsburgh, Pa.
United States Chemical Co. ("Bull Dog"), 3115 Maple av, Los Angeles, Cal.
Vestal Chemical Co. ("Millionite"), 1128 Pine, St. Louis, Mo.

11463— Powders (Soap)

Allison Bros., Middletown, Conn.
American Soap & Washoline Co., Cohoes, N. Y.
Babbitt B. T. Inc. ("Babbitt 1776"), 15 W 34th, New York
Beach Soap Co. ("World"), Lawrence, Mass.
Bon Ami Co. (Selling Agents), Battery pl, New York
California Master Products Corp. ("Master"), Alameda, at Slauson av, Los Angeles, Cal.
California Soap Co., 1923 Santa Fe av, Los Angeles, Cal.
Citrus Soap Co. ("Citrus"), 301 W Market, San Diego, Cal.
Climalene Chemical Co., 1022 9th S W, Canton, O.
Colgate & Co. ("Fab"), 105 Hudson, Jersey City, N. J.
Creta Creme Co., 520 27th, New York
Daggitts' Wm. H. Sons, 383 W 12th, New York City
Devillers Soap Co. ("National"), 95 Cliff, New York
Eavenson J. & Sons ("Matchless"), Camden, N. J.
Electric Compound Co., 211 W 16th, Los Angeles, Cal.
Electric Smelting & Aluminum Co. ("Alumina-Soapalite"), Lockport, N. Y.
Elkonite Soap Co. ("Elkonite"), 3d & Center, Oakland, Cal.
Fairbank N. K. Co. ("Gold Dust"), 1525 Newberry, Chicago, Ill.
Ferguson Alex. C., Jr., 474 Chestnut, Phila. Pa. *See adv index at end of book*
Fichtenberg Hans E., 216 W Water, Milwaukee, Wis.
Flavell Co. (Wire Drawing), Asbury Park, N. J.
Globe Soap Co., Walsh bldg, Cincinnati, O.
Hoosier Mfg. Co. 521H W McCarthy, Indianapolis, Ind.
Household Necessity Co. ("Wash-White"), 228 Commercial, San Francisco, Cal.
Hunnewell Soap Co. ("Crown"), 312 Genesee, Cincinnati, O.
India Alkali Works ("Savogran"), 28 India Wharf, Boston, Mass.
Insto Co. ("Insto"), 110 Center, Los Angeles, Cal.
Jidas J. D. Bros. & Co., 874 W North av, Chicago, Ill.
Kalamazoo Soap Co., Kalamazoo, Mich.
Kemp Lysander & Sons, Inc., Cambridge, Mass.
Kendall Mfg. Co., 90 Friendship, Providence, R. I.
Kendall Products Corp., 709 6th av, New York
Kenny J. T. & Co. ("Submarine"), St. Paul, Minn.
Kirkman & Son, 215 Water, Brooklyn, N. Y.
Klean-Wel Mfg. Co. ("Klean-Wel"), Superior Viaduct, Cleveland, O.
Lautz Bros. & Co., Ellicott sq, Buffalo, N. Y.
Lever Bros. Co. ("Rinso"), Cambridge, Mass.
Los Angeles Soap Co. ("White King"), 633 E 1st, Los Angeels, Cal.
Modoc Co., Fernwood, Pa.
North Coast Soap Co., 6317 17th av, S. Seattle, Wash.
Orford Soap Co., Manchester, Conn.
Pacific Chemical Co. ("Blanco"), 1421 N Main, Los Angeles, Cal.
Pacific Silicate Co. ("Lavarine"), Balfour bldg, San Francisco, Cal.
Pennsylvania Soap Co., Lancaster, Pa.
Pride of the Kitchen Co., 400 Smith, Brooklyn, N. Y.
Puritan Soap Co., ("Puritan"), 496 Exchange, Rochester, N. Y.
Robertson Theo. B. Products Co. ("Robertson's" Dish Washing), 700 W Division Chicago, Ill.
Royal Chemical Co., Phenix, R. I.
Schalk Chemical Co. ("Hydro Pura"), 351 E 2d, Los Angeles, Cal.
Sibley Soap Co., Franklin, Pa.
Smith C. A. ("Index"), Hamilton, Ohio
Standard Chemical & Supply Co., 160 Second, Boston, Mass.
Strunz S. & Son, 708 Bingham, Pittsburgh, Pa.
Tomson P. C. & Co., 29 Washington av., Philadelphia, Pa.
Vera Chemical Co., No. Milwaukee, Wis.; Stoneham, Mass.; Burlington, Ont., Canada
Wayne Soap Co., Copeland & M. C. RR. Detroit, Mich.
Western Soap Co. ("Western Maid"), Spokane, Wash.
Wilson & Co. (Washing), Union Stock Yards, Chicago, Ill.
Wrisley Allen B. Co., 923 Wells, Chicago, Ill.

Powders (Sweeping)

See Compounds, Sweeping

11464— Powders (Tire)

U. S. Mica Mfg. Co. ("U. S. Original"), 1521 Circle av, Forest Park, Ill.
Van Cleef Bros. (Mica), 7722 Woodlawn av, Chicago, Ill.

11464a— Power Equipment

Columbus Conveyor Co., W. Goodale, Columbus, Ohio
Hooven Owens Rentschler Co. (Heavy Castings, Compressors, Couplings & Engines), Hamilton, Ohio
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

11465—Powers (Dog, Sheep, Etc.)

Gowanda Agricultural Works, Gowanda, N. Y.
McDermaid J., Rockford, Ill.
Vermont Farm Machine Co., Bellows Falls, Vt.

11465a—*Precipitation (Electric Equipment)

GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book

11466— Preheaters

Combustion Utilities Corp., 8-10 Bridge, Boston, Mass.
Davis-Watkins Dairymen's Mfg. Co., No. Chicago, Ill.
Hauck Mfg. Co., 136 10th, Brooklyn, N. Y.
See adv index at end of book

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Kentucky Oxygen-Hydrogen Co. (For Ovens & Torches), 1416 Magazine, Louisville, Ky.
Millburn Alexander Co., 1428 W Baltimore, Baltimore, Md.
Rauch Henry & Son ("Universal" for Removing Old Pitch from Cooperage), Mt. Vernon, N. Y.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

11466a—Preservatives (Hide & Skin)

American Trading Co., 25 Broad, New York
Chipman Chemical Engng. Co. Inc. ("Atlas S" for Cutting), 136 Liberty, New York
Fearon Brown Co., 96 Wall, New York

11467—Press Attachments for Preventing Accidents

Benjamin Electric Mfg. Co., 120 S Sangamon, Chicago, Ill.
Geuder Paeschke & Frey Co. ("G. P. & F." Automatic Accident Preventor), 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
H. & A. Lock Co. (Punch Press Safety Appliance), 243 44th, Brooklyn, N. Y.
Hardware Supply Co., Grand Rapids, Mich.
Walsh Press & Die Co., 4709 W Kinzie, Chicago, Ill.

11468— Press-Board

Case A. Willard Co. (Imitation), Manchester, Conn.
Case Bros., Highland Park, Conn.
Case & Risley Press Paper Co., Oneco, Conn.
Chicago Mica Co. (Also Fullerboard & Leatheroid), Campbell, Valparaiso, Ind. *See adv index at end of book*
Crehore Chas. F. & Son, Newton, Lower Falls, Mass.
Diamond State Fibre Co., Dept. 37, Bridgeport, Pa.
See adv index at end of book
Manning, John A., Paper Co., Troy, N. Y.
Merwin Paper Co., Windsor, Conn.
New York & Penna Co., 200 5th av, New York
Rogers Paper Mfg. Co., South Manchester, Conn.
Youngstown Pressed Steel Co. (Bookbinders), Warren, O.
See adv index at end of book

11469— *Press Clippings

Fuller's Press Clipping Bureau, Pacific bldg., Seattle, Wash.

11470—Pressed Steel Specialties

See also Steel, Pressed

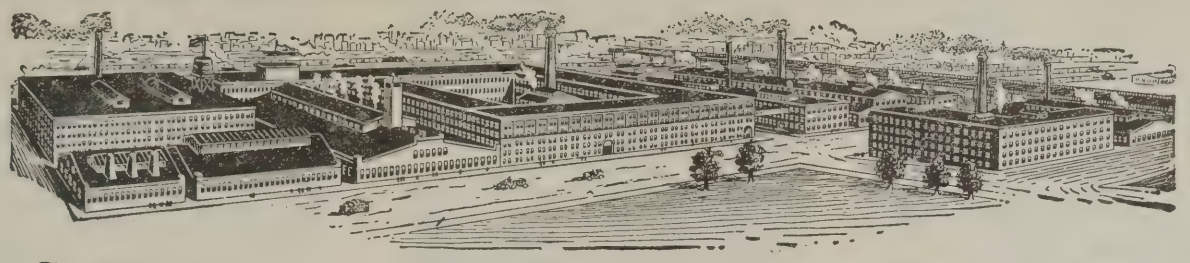
Blaw-Knox Co. (Also Welded), Freeport, Rd, Hoboken, Pa.
Bossert Corporation, The, cor. Linden & West av, New York
Boston Pressed Metal Co., 170 Union, Worcester, Mass.
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Central Metal Products Corp., Canton, O.
Dahlstrom Metallic Door Co., 413 Buffalo, Jamestown, N. Y.
See adv index at end of book
Detroit Pressed Steel Co., 6660 Mt. Elliott, Detroit, Mich.
Detroit Stamping Co., 3445 W Fort, Detroit, Mich.
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Federal Pressed Steel Co., Keefe av & N Pierce, Milwaukee, Wis.
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Gier Pressed Steel Co., Lansing, Mich.
Glasgow Iron Co., Pottstown, Pa.
Globe Machine & Stamping Co., (To Order), 1250 W 76th, Cleveland, O.
Heggie Jas. G. & Sons, Joliet, Ill.
HENSON-BLAIR MFG. CO., 2828 Emerald, Philadelphia, Pa.
Hydraulic Pressed Steel Co. (House Forms, etc), 3152 E 61st, Cleveland, O.
KALES STAMPING CO., 1680 W Lafayette blvd, Detroit, Mich.
See adv index at end of book
McDOWELL MFG. CO. (THE) (Millvale Sta.), Pittsburgh, Pa.
See adv index at end of book
Maryland Metal Products Co., Hagerstown, Md.
Michigan Pressed Steel Co., 329 Artillery, Detroit, Mich.
Mossberg Frank Co. (Parts for Guns, Automobile, Typewriter Machines, etc), Attleboro, Mass.
Motor Wheel Corp. ("Gier," General & Automobile), 701-735 E Saginaw, Lansing, Mich.
See adv index at end of book
New England Pressed Steel Co., Natick, Mass.
Niles Steel Products Co., Niles, Ohio
See adv index at end of book
Pressed Steel Co. (Heavy Stamping, Auto Truck Parts), Wilkes-Barre, Pa.
PRESSED STEEL TANK CO., 58th & Greenfield av, Milwaukee, Wis.
PREST-O-LITE CO., INC., THE, 30 E 42d, New York
See adv index at end of book
Quinsigamond Pressed Steel Co., 62 Jackson, Worcester, Mass.
Standard Pressed Steel Co., Jenkintown, Pa.
Transue & Williams Steel Forging Corp., Alliance, O.
VAN DORN IRON WORKS CO. (THE) (Steel Factory Work), 2700 E 79th, Cleveland, O. *See adv index at end of book*
Wilcox W. W. Co., 1735 Armitage av, Chicago, Ill.
WORCESTER PRESSED STEEL CO., Worcester, Mass.
See adv index at end of book
Youngstown Pressed Steel Co. (To Order), Warren, O. *See adv index at end of book*
Zeigler Mfg. Co., Alexandria, Ind.

11471— Pressers (Cork)

Phoenix Hardware Mfg. Co., Homer, N. Y.

11472— Presses (Arbor)

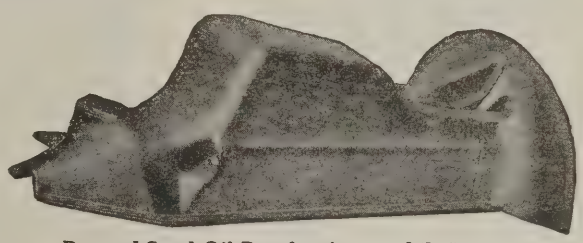
Atlas Press Co., 323 N Park, Kalamazoo, Mich.
Barnes W. F. & Jno. Co., Rockford, Ill.
Bartlett Edwin E. ("Greenerd"), 41 Crown, Nashua, N. H.
Bethlehem Steel Co., Bethlehem, Pa.
Chambersburg Engineering Co., Chambersburg, Pa.
Elmes Chas. F. Engineering Works, Cor. Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Geier P. A. Co., Cleveland, O.
Hydraulic Press Mfg. Co. (Hydraulic "H. P. M."), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book



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Kimmerle Bros. ("Kimkin"), 226 11th, San Francisco, Cal.
Lelin Mfg. Co., 73 N 10th, Portland, Ore.
LOURIE HYDRAULIC PRESS CO., Springfield, Ill. *See adv index at end of book*
Lucas Machine Tool Co. ("Lucas," Power), 524 E 99th, Cleveland, O.
Manley Mfg. Co. ("Long Range"), York, Pa.
Manufacturers Equipment Co. (Air Operated), Waller av & Fillmore, Chicago
Metalwood Mfg. Co., Dept. H, Leib & Wight, Detroit, Mich.
Myers Machine Tool Corp. ("Myers"), Columbia, Pa.
Nicholson W. H. & Co., Wilkes-Barre, Pa.
Sharp L. C. Mfg. Co. (Hydraulic), Plattsmouth, Neb.
SOUTHWARK FOUNDRY & MACHINE CO., 1128 S 4th, Phila., Pa. *See adv index at end of book*
Weaver Mfg. Co., Springfield, Ill.
Wells Corp., The ("Broachwell"), 15 Arch, Greenfield, Mass. *See adv index at end of book*
Wilson K. R., 10 Lock, Buffalo, N. Y.

11472a— Presses (Arch)

Ams Max Machine Co., 101 Park av, New York *See adv index at end of book*
BLAKE & JOHNSON CO., 1500 Thomaston av, Waterbury, Conn.
BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y. *See adv index at end of book*
Niagara Machine & Tool Works, Buffalo, N. Y.
Swaine Fred J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.
Toledo Machine & Tool Co., Dorr & N. Y. C. R. R., Toledo, O.

11473-4—Presses (Armature & Field Coil Segments)

BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y. *See adv index at end of book*
DUNNING & BOSCHERT PRESS CO., 379 W Water, Syracuse, N. Y. *See adv index at end of book*
Ferracute Machine Co., Bridgeton, N. J.
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa. *See adv index at end of book*
Swaine Fred J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.

11474a—*Presses (Auto Tire Forcing)

Dunning & Boschert Press Co., Inc., 379 W Water, Syracuse, N. Y. *See adv index at end of book*
Hydraulic Press Mfg. Co., 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*
Lourie Hydraulic Press Co., Springfield, Ill. *See adv index at end of book*

11474b—Presses (Auto Truck Tire Forcing)

Dunning & Boschart Press Co., Inc., 379 W Water, Syracuse, N. Y. *See adv index at end of book*
Elmes Chas. F. Engineering Works, Cor. Fulton & Sangamon, Chicago, Ill. *See adv index at end of book*

(Continued on following page)

YPS Products for Manufacturer and Builder YPS

AGRICULTURAL
Tool and Weight Boxes, Seats, Lever Latches, Furrow and Gong Wheels, Harrowtooth Clamps, Cultivator Shields, Land Roller Heads.

AUTOMOTIVE
Radiator Shells, Crank Cases, Housing Covers, Brake Drums, Clutch Discs, Step Hangers, Hub Flanges.

GENERAL
Lift Truck Platforms, Tank Heads, Industrial Car Wheels, Wheel Discs, Hatch Cleats, Barrel Heads, Compound Boxes.

FIREPROOFING
Machine Guard and Factory Partition Material, Cold Formed Channels and Angles, both Heavy and Light, Youngstown and Parker Corner Bead, Sharon Base Bead, Expanded Metal, Mahoning, Zee and Ideal Rib Metal Lath, Y P S Coal Doors, Y P S Steel Basement Windows.

THE YOUNGSTOWN PRESSED STEEL COMPANY
Main Office and Factories: WARREN, OHIO
DISTRICT OFFICES—New York: 50 East 42d St. Chicago: 1644 Straus Building. Philadelphia: 917 Crozer Building. Detroit: 901 Dime Bank Building.

Presses (Auto Truck Tire Forcing)—Continued

Hydraulic Press Mfg. Co. (Hydraulic "H. P. M."), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book

Lourie Hydraulic Press Co., Springfield, Ill. *See adv index at end of book*

11475—Presses (Automatic, Disc Notching)

Ams Max Machine Co. ("Ams"), 101 Park av, New York
See adv index at end of book

BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book

Henry & Wright Mfg. Co. ("Wright"), 760 Windsor, Hartford, Conn.

Swaine Fred J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.

11476-7—Presses (Automatic Gang)

Adriance Machine Works, Inc., 80 Richards, Brooklyn, N. Y.

Ams Max Machine Co. ("Ams"), 101 Park av, New York
See adv index at end of book

BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book

Henry & Wright Mfg. Co. ("Wright"), 760 Windsor, Hartford, Conn.

Hydraulic Press Mfg. Co., 24 Lincoln av, Mount Gilead, O.
See adv index at end of book

Williams, White & Co., 301 8th, Moline, Ill.

11478—Presses (Automobile Body)

Chambersburg Engineering Co., Chambersburg, Pa.

ELMES CHAS. F. ENGINEERING WORKS (Metal Body Making), cor Fulton & Sangamon, Chicago, Ill.
See adv index at end of book

Hydraulic Press Mfg. Co. ("H. P. M."), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book

Southwark Foundry & Machine Co. (Hydraulic), 1128 S. 4th, Phila., Pa.
See adv index at end of book

Williams, White & Co., 301 8th, Moline, Ill.

11479—Presses (Automobile Tire, Hydraulic)

Defiance Machine Works, Defiance, O.

DUNNING & BOSCHERT PRESS CO., INC., 379 W Water, Syracuse, N. Y.
See adv index at end of book

Hydraulic Press Mfg. Co., Mt. Gilead, O.
See adv index at end of book

Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book

SOUTHWARK FOUNDRY & MACHINE CO., 1128 S 4th, Phila., Pa.
See adv index at end of book

WOOD R. D. & CO., 400 Chestnut, Phila., Pa.

11479a—Presses (Bakelite)

Dunning & Boschert Press Co., Inc., 379 W Water, Syracuse, N. Y.
See adv index at end of book

ELMES CHAS. F. ENGNG. WKS., Fulton & Sangamon, Chicago, Ill.
See adv index at end of book

HYDRAULIC PRESS MFG. CO. ("H. P. M."), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book

Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book

11480—Presses (Baling, Barrel Heading)

Rochester Barrel Machine Works, Rochester, N. Y.

11481—Presses (Baling, Broom Corn)

Chattanooga Implement & Mfg. Co., Chattanooga, Tenn.

Shaw, Welsh & Co. ("Galesburg"), Galesburg, Ill.

11481a—Presses (Baling, Cotton & Wool)

Dunning & Boschert Press Co., Inc., 379 W Water, Syracuse, N. Y.
See adv index at end of book

Economy Baler Co., Ann Arbor, Mich.

Franklin Machine Co., Providence, R. I.
See adv index at end of book

GALLAND-HENNING MFG. CO., 26th av & Montana, Milwaukee, Wis.
See adv index at end of book

HYDRAULIC PRESS MFG. CO. ("H. P. M."), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book

Southwark Foundry & Machine Co. (Continuous), 1128 S 4th, Phila., Pa.
See adv index at end of book

11482—Presses (Baling, Metal Scrap)

Bethlehem Steel Co. (Hydraulic), S Bethlehem, Pa.

Davenport Mfg. Co. ("Schick" All Steel), State & Bettendorf, Bettendorf, Iowa

Davis Mfg. Co., 137 Freeman, Brooklyn, N. Y.

DUNNING & BOSCHERT PRESS CO., 379 W Water, Syracuse, N. Y.
See adv index at end of book

Galland-Henning Mfg. Co., 26th & Montana, Milwaukee, Wis.
See adv index at end of book

Hydraulic Compresses
FOR BALING
Scrap Steel—Copper—Brass
Aluminum—Metal Stampings
Etc.
GALLAND-HENNING MFG. CO.
Montana and 26th Ave., Milwaukee, Wis.

Hydraulic Press Mfg. Co. ("H. P. M."), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book

H-P-M HYDRAULIC SCRAP METAL BALING PRESSES

HYDRAULIC PRESS MFG. CO.
24 Lincoln Avenue Mount Gilead, Ohio

Logemann Bros. Co., 3130 Burleigh, Milwaukee, Wis.

WATSON-STILLMAN CO. (Hydraulic), 38 Church, New York
See adv index at end of book

11482a—Presses (Baling, Paper)

See also Presses, Baling & Hay; also Presses, Baling Waste

ALSTEEL MFG. CO., Battle Creek, Mich.

Cardwell Machine Co., 1900 E Cary, Richmond, Va.

COLONIAL SUPPLY CO., 217 Water, Pittsburgh, Pa.
See adv index at end of book

GALLAND-HENNING MFG. CO., 26th av & Montana, Milwaukee, Wis.
See adv index at end of book

WASTE PAPER BALERS
HAND—BELT—ELECTRIC
AND
HYDRAULIC
Galland - Henning Mfg. Co.
Montana and 26th Ave., Milwaukee, Wis.

Hydraulic Press Mfg. Co. ("H. P. M."), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book

Thomas Albright Co., Dept. H, Goshen, Ind.

United Steel & Wire Co. ("Pak-Tite"), 327 Fonda, Battle Creek, Mich.

11483—Presses (Baling, Waste)

Alsteel Mfg. Co. ("Alsteel" Paper), Battle Creek, Mich.

Cardwell Machine Co., 1900 E Cary, Richmond, Va.

Clintonville Baler Co., Clintonville, Wis.

Davenport Mfg. Co. ("Schicks" All Steel), State & Bettendorf, Bettendorf, Iowa

Davis Mfg. Co., 137 Freeman, Brooklyn, N. Y.

DUNNING & BOSCHERT PRESS CO., INC., 379 W Water, Syracuse, N. Y.
See adv index at end of book

Economy Baler Co. ("Economy" Steel Frame, Paper, etc), Ann Arbor, Mich.

Ertel Geo. Co. (For Waste Paper, etc.), Quincy, Ill.

Famous Mfg. Co. (Paper), E Chicago, Ind.

Franke Fred & Co., Louisville, Ky.

GALLAND-HENNING MFG. CO., 26th av & Montana, Milwaukee, Wis.
See adv index at end of book

Grammes L. F. & Sons, 311 Union, Allentown, Pa.
See adv index at end of book

Haugh J. G. & Co. (Paper), Bascom, O.

Hazen Mfg. Co. ("Hudson"), Hudson, Mich.

Hobson & Co., Easton, Pa.

Logemann Bros. Co. (All Kinds Waste Materials), 3130 Burleigh, Milwaukee, Wis.

Minnich Machine Works ("Minnich" Steel Hand & Power), Landsville, Pa.

Pick Albert & Co. (Paper), 212 W Randolph, Chicago, Ill.

Ripley Foundry & Machine Co. ("Sampson" Paper), Ripley, O.

Smith Philip Mfg. Co. (Paper), Sidney, O.

Weber Supply & Specialty Co. (Paper), 2250 So. Union av., Chicago, Ill.

Wenzelman G., Galesburg, Ill.

11483a—Presses (Baling—Yarn, Hair & Hemp)

ALSTEEL MFG. CO., Battle Creek, Mich.

DUNNING & BOSCHERT PRESS CO., INC., 379 Water, Syracuse, N. Y.
See adv index at end of book

Franklin Machine Co. (Yarn), Providence, R. I. *See adv index at end of book*

GALLAND-HENNING MFG. CO., 26th av & Montana, Milwaukee, Wis.
See adv index at end of book

Hydraulic Press Mfg. Co., 24 Lincoln av, Mount Gilead, O.
See adv index at end of book

11484-5—Presses (Baling & Hay)

See also Presses, Cotton

Admiral Hay Press Co, ("Admiral"), 1216 W 8th, Kansas City, Mo.

Alamo Iron Works (Hay), San Antonio, Tex.

Ann Arbor Machine Co. ("Ann Arbor"), Shelbyville, Ill.

Auto Fedan Hay Press Co. (Auto Self Feed Hay Press), Frisco Track & Wash., Kansas City, Mo.

Buckeye Baler Co., Findlay, O.

Burkett Mfg. Co. (Hay), 162 W Spring, Columbus, O.

Business Men's Paper Press Co., Wayland, Mich.

Cardwell Machine Co. (Hydraulic Baling), 1900 E Cary, Richmond, Va.

Case J. I. Threshing Mach. Co. ("Case"), Racine, Wis.

Chattanooga Implement & Mfg. Co. (Hay), Office E C, East Chattanooga, Tenn.

Chattanooga Plow Co. (Hay & Straw), Carter & Main, Chattanooga, Tenn.

Collins Plow Co. (Hay, "Eli," "Noxall," "Excelsior"), Quincy, Ill.

Dain Mfg. Co. (Hay, Horse Power & Motor), Ottumwa, Ia.

Davenport Mfg. Co., State & Bettendorf, Bettendorf, Iowa

Davis Mfg. Co., 137 Freeman, Brooklyn, N. Y.

Dennis John Machine Co., Lowell, Mass.

Elmes Chas. F. Engng Wks. (Baling Only for Paper, Wood), Fulton & Sangamon, Chicago, Ill.
See adv index at end of book

Emerson Brantingham Implement Co. ("Reeves" Geiser," "Peerless," "E. B. Geiser," Hay), Rockford Ill.

Ertel Geo. Co. ("Victor" & "Gem" Hay, Straw, Waste Paper, etc.), Quincy, Ill.

Famous Mfg. Co. ("Champion" & "Famous"), East Chicago, Ind.

Hampton Ralph L. (Hay), Honeybrook, Pa.

Hasard Wm. (Hay), Trumansburg, N. Y.

Hobson & Co., Easton, Pa.

Home Mfg. Co., Mattoon, Ill.

Hydraulic Press Mfg. Co. (For Cloth, Cotton, etc), Mount Gilead, O.
See adv index at end of book

Indianapolis Excelsior Machinery Co. (For Excelsior), Indianapolis, Ind.

Junior Monarch Hay Press Co. ("Junior Monarch," "Little Giant"), (Straw, etc), San Leandro, Cal.

Kansas City Hay Press Co. ("Lightning" Combination Straw, etc), Foot of 4th st viaduct, Kansas City, Mo.

Kline Lewis T., Alpena, Mich.

Lombard Iron Wks. & Supply Co., Augusta, Ga.

Maytag Co. ("Buffalo" Hay), Newton, Ia.

Modern Equipment Co., Lockport, N. Y.

New Winona Mfg. Co. ("New King" Horse & "Diamond" Steam Power), Winona, Minn.

Ohio Cultivator Co. ("Ohio"), Bellevue, O.

Port Huron Engine & Thresher Co., Port Huron, Mich.

Poston Baler Co., Chillicothe, O.

Sandwich Mfg. Co. (Hay), Sandwich, Ill.

Shaw, Welsh & Co., Galesburg, Ill.

Smith, Philip Mfg. Co. (Paper Balers), Sidney, O.

Smith & Sons Mfg. Co. (Hay), Kansas City, Mo.
Southern Plow Co. ("Cumming"), Columbus, Ga.
Spencer J. A. (Hay, "Favorite Alligator," "Hercules," "Perpetual"), Dwight, Ill.
Stopple W. H. ("Easy" Hand Power & Motor Power), Dallas, Tex.
Strait H. N. Mfg. Co., Kansas City, Kans.
Swanson Plow Co. (Hay, etc.), Muskogee, Okla.
Swayne, Robinson & Co. ("Money-Maker"), Richmond, Ind.
Thomas Albright Co., (Hydraulic, for Paper Stock, Yarns, Rags, Hair, Waste, etc), Goshen, Ind.
Waterville Foundry & Mfg. Co., Waterville, N. Y.
WATSON-STILLMAN CO. (Hydraulic Baling), 38 Church, New York
See adv index at end of book
Weber Supply & Specialty Co. (Jobbers), 2250 So. Union av., Chicago, Ill.
Whitehurst R. W. Mfg. Corp. (Hay), Norfolk, Va.
Williams Mfg. Co. (Hay), Macon, Ga.
Wirtz & Hernlen (Hay), Augusta, Ga.
Ypsilanti Hay Press Co. ("Wolverine" Hay), Ypsilanti, Mich.

11486—Presses (Banding)

Elmes Chas. F. Engng. Works, cor Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Hydraulic Press Mfg. Co. ("H. P. M."), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book
Modern Broom Machy. Co., Dept. H, Davenport, Ia.
Southwark Foundry & Machine Co., 1128 S. 4th, Phila., Pa.
See adv index at end of book

11487-8—Presses (Beet Pulp)

Hydraulic Press Mfg. Co., 24 Lincoln av, Mount Gilead, O.
See adv index at end of book
Jackson & Church Co., Saginaw, Mich.
KUTZTOWN FOUNDRY & MACHINE CO., 1421 Chestnut, Phila., Pa.
See adv index at end of book

11489— Presses (Belting)

Chambersburg Engineering Co. (Leather), Chambersburg, Pa.
Dunning & Boschert Press Co., Inc., 379 W Water, Syracuse, N. Y.
See adv index at end of book
ELMES CHAS. F. ENGINEERING WORKS (Leather), cor. Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Hydraulic Press Mfg. Co. ("H. P. M."), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Southwark Foundry & Machine Co. (Leather), 1128 S 4th, Phila., Pa.
See adv index at end of book

11490— Presses (Bench)

See also Presses, Power

Ams Max Machine Co. ("Ams"), 101 Park av, New York
See adv index at end of book
Baird Machine Co., Stanford av, Bridgeport, Conn.
BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Ferracute Machine Co., Bridgeton, N. J.
High Speed Hammer Co., Inc. (Sensitive & Motor Driven Drills), 313 Norton, Rochester, N. Y.
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Manville E. J. Machine Co., Waterbury, Conn.
Meriden Press & Drop Co. ("Merriman"), Meriden, Conn.
Niagara Machine & Tool Works, Buffalo, N. Y.
Perkins Machine Co., Warren, Mass.
Providence Press Machinery Co., Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*
Rockford Iron Works, Race, Rockford, Ill.
Rowbottom Machine Co. ("Rowbottom Yankee"), Waterbury, Conn.
Springfield Machine Tool Co. (Straightening, etc), Springfield, O.
Stoll D. H. Co., 30 Lansing, Buffalo, N. Y.
See adv index at end of book
Swaine F. J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.

11491-2— Presses (Bending)

Adriance Machine Works, Inc., 80 Richards, Brooklyn, N. Y.
Alliance Machine Co., Alliance, O.
Bethlehem Steel Co. (Hydraulic), South Bethlehem, Pa.
BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Chambersburg Engineering Co. (Shell & Spring), Chambersburg, Pa.
Dreis & Krump Mfg. Co., 7420 S Loomis, Chicago, Ill. *See adv index at end of book*
Elmes Chas. F. Engineering Works, cor. Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Ferracute Machine Co., Bridgeton, N. J.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
General Mfg. Co., 6430 Farmsworth av, Detroit, Mich.
Henry & Wright Mfg. Co. ("Wright"), 760 Windsor, Hartford, Conn.
HYDRAULIC PRESS MFG. CO. (Hydraulic), 24 Lincoln av, Mount Gilead, O.
See adv index at end of book
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
MORGAN ENGINEERING CO. (Plate Bending, etc.), Alliance, O.
Niagara Machine & Tool Works, Buffalo, N. Y.
Slaysman & Co., 801 E Pratt, Baltimore, Md.
SOUTHWARK FOUNDRY & MACHINE CO., 1128 S 4th, Phila., Pa.
See adv index at end of book
Swaine Fred J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.
WATSON-STILLMAN CO., 38 Church, New York *See adv index at end of book*
Williams, White & Co., 301 8th, Moline, Ill.

Presses (Bicycle Chain)

See Presses, Power

11493-4—*Presses (Binders' Board)

DUNNING & BOSCHERT PRESS CO. (INC.), 379 W Water, Syracuse, N. Y.
See adv index at end of book

Presses (Blanking)

See Presses, Power

11495—*Presses (Book Binders')

DUNNING & BOSCHERT PRESS CO. (INC.), 379 W Water, Syracuse, N. Y.
See adv index at end of book
Thomas Albright Co., Dept. H, Goshen, Ind.

11496— Presses (Box)

Chase Turbine Mfg. Co. (Automatic), Orange, Mass.
Covey Automobile Mach. Works, 8th & Orange, Riverside, Cal.
Cutler Mfg. Co. ("Cutler" & "Pogue" Lidding), 352 E 10th, Portland, Ore.
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
North Machine Co. ("Acme" Automatic), 324 Main, San Francisco, Cal.
Success Mfg. Co. ("Success"), Dept. H, Spokane, Wash.

Presses (Brick)

See Machines, Brick Press

Presses (Briquetting)

See Briquetting Machinery

11497—Presses (Broaching)

American Broach & Machine Co. ("American"), Ann Arbor, Mich.
BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Chambersburg Engineering Co., Chambersburg, Pa.
DUNNING & BOSCHERT PRESS CO. (INC.), 379 W Water, Syracuse, N. Y.
See adv index at end of book
Elmes Chas. F. Engineering Works, cor Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Ferracute Machine Co., Bridgeton, N. J.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
General Mfg. Co. ("Flexible"), 6430 Farmsworth av, Detroit, Mich.
Henry & Wright Mfg. Co. ("Wright"), 760 Windsor, Hartford, Conn.
Hercules Machinery Co. ("Hercules"), 446 E Woodridge, Detroit, Mich.
HYDRAULIC PRESS MFG. CO. ("HPM"), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Lucas Machine Tool Co. (Vertical), 524 E 99th, Cleveland, O.
Metalwood Mfg. Co., Dept. H, Leib & Wight, Detroit, Mich.
Oilgear Co., 655-667 Park, Milwaukee, Wis.
Perkins Machine Co., Warren, Mass.
Providence Press Machinery Co., Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*
SOUTHWARK FOUNDRY & MACHINE CO., 1128 S 4th, Phila., Pa.
See adv index at end of book
WATSON-STILLMAN CO., 38 Church, New York *See adv index at end of book*
Wells Corporation, The ("Broachwell"), 15 Arch, Greenfield, Mass.
See adv index at end of book

11498— Presses (Bumping)

Providence Press Machinery Co., Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*
Swaine F. J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.
Wold, Torris & Co., 240 N Ashland av, Chicago, Ill.

11498a— Presses (Bushing)

Chambersburg Engineering Co. (Hydraulic), Chambersburg, Pa.
HYDRAULIC PRESS MFG. CO. (Hydraulic, "H. P. M."), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*
Pottstown Machine Co. (Automatic for Bushings & Plugs), Pottstown, Pa.
Southwark Foundry & Machine Co. (Hydraulic), 1128 S 4th, Phila., Pa.
See adv index at end of book

11499—Presses (Cabbaging)

Famous Mfg. Co. (For Pressing Scrap Brass, etc), E. Chicago, Ind.
Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn.
See adv index at end of book
GALLAND-HENNING MFG. CO. (For Scrap Copper & Brass), 26th av & Montana, Milwaukee, Wis.
See adv index at end of book
Logemann Bros. Co. (For Brass & Copper Scrap), 3130 Burleigh, Milwaukee, Wis.
Providence Press Machinery Co., Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*

11500— Presses (Cage)

Callahan W. P. Co., Dayton, O.
Platt Iron Works Co., Dayton, O.
Shriver T. & Co., Harrison, N. J.

11501—Presses (Cam Drawing)

See also Presses, Drawing; also Presses, Power

Adriance Machine Works Inc., 80 Richards, Brooklyn, N. Y.
BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Ferracute Machine Co., Bridgeton, N. J.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Niagara Machine & Tool Works, Buffalo, N. Y.
Providence Press Machinery Co. Inc. ("Master"), Room 610, 110 W 40th, New York
See adv index at end of book
Rockford Iron Works, Race, Rockford, Ill.
Standard Machinery Co., Providence, R. I.

11502— Presses (Car Seal)

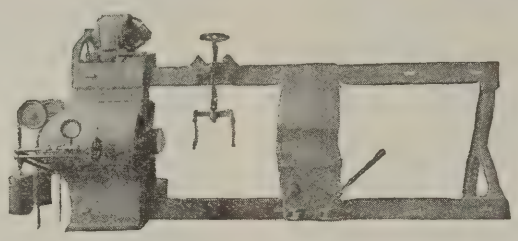
Handlan-Buck Mfg. Co. ("Handlan"), 210-14 N 3d, St. Louis, Mo.

11503—Presses (Car Wheel)

See also Presses, Hydrostatic Wheel
Bethlehem Steel Co. (Hydraulic), Bethlehem, Pa.

(Continued on following page)

Much Less Expensive Than You Think



The CALDWELL WHEEL PRESS

Any Desired Size and Capacity
Most Popular Press on the Market

ASK YOUR DEALER

E. R. CALDWELL & CO. **Bradford, Pa.**

11503—Presses (Car Wheel)—Cont.

CALDWELL E. R. & CO., Bradford, Pa.
See adv index at end of book
Chambersburg Engineering Co., Chambersburg, Pa.
Dudgeon Richard, 24 Columbia, New York
Elmes Chas. F. Engng. Wks., Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Hydraulic Press Mfg. Co., 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book

H-P-M HYDRAULIC WHEEL PRESSES
for Car and Locomotive Shops
HYDRAULIC PRESS MFG. CO.
24 Lincoln Avenue Mount Gilead, Ohio

Lake Shore Engine Works, Marquette, Mich.
Lobdell Car Wheel Co., Wilmington, Del.
LOURIE HYDRAULIC PRESS CO., Springfield, Ill.
See adv index at end of book
McCall Machine Works ("Schaffer," Hydraulic), Rochester, N. Y.
MANNING MAXWELL & MOORE INC. (Car Wheel Press), 100 E 42nd, New York
See adv index at end of book
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*
SOUTHWARK FOUNDRY & MACHINE CO., 1128 S 4th, Phila., Pa.
See adv index at end of book
Thomasville Iron Works Inc., Thomasville, Ga.
Tomlin-Harris Machine Co., Cordele, Ga.
WATSON-STILLMAN CO., 38 Church, New York *See adv index at end of book*
WOOD R. D. & CO., 400 Chestnut, Phila., Pa.

11503a— Presses (Carbon Slug Molding)

Dunning & Boschert Press Co., Inc., 379 W Water, Syracuse, N. Y.
See adv index at end of book
Elmes Chas. F. Engineering Works, cor. Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Providence Press Machinery Co. Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*

Presses (Card Cutting)

See Card Cutting Machines

11504—Presses (Card Printing)

Automatic Printing Devices Co., 95 Minna, San Francisco, Cal.
Buffum Tool Co. ("Buffum" Automatic), South Side, Louisiana, Mo.

11504a—*Presses-Casket (Metallic)

Elmes Chas. F. Engng Wks., Fulton & Sangamon, Chicago, Ill.
See adv index at end of book

11505—Presses (Chamfering)

Pawtucket Mfg. Co. (Automatic), Pawtucket, R. I.
Providence Press Machinery Co. Inc. ("Master"), Room 610, 110 W. 40th, New York *See adv index at end of book*

11506— Presses (Cheese)

Burrell D. H. & Co., Inc. ("Sprague" Adjustable Continuous Pressure Gang Presses & Hoops), Little Falls, N. Y.
Creamery Package Mfg. Co. ("Fraser," "Victor"), 61 W Kinzie, Chicago, Ill.
Dairy Specialty Co., West Chester, Pa.
Gowanda Agricult'l Works Co., Gowanda, N. Y.
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Oakes & Burger Co., Cattaraugus, N. Y.

11507— Presses (Chemists' Laboratory)

DUNNING & BOSCHERT PRESS CO. (INC.), 379 W Water Syracuse, N. Y.
See adv index at end of book
Hydraulic Press Mfg. Co. ("H. P. M."), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book
Providence Press Machinery Co. Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*

Presses (Cider)

See Mills, Cider & Cider Presses

11508—Presses (Cigar Packers')

Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Miller, Du Brul & Peters Mfg. Co., Norwood, Cincinnati, Ohio

Presses (Cloth Cutting)

See Cloth Cutting Machines in Textile Machinery & Supplies

11509—Presses (Cloth Finishing)

Dunning & Boschert Press Co. (Inc.), 379 W Water, Syracuse, N. Y.
See adv index at end of book
Hydraulic Press Mfg. Co. (London Shrinking "H. P. M."), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book

11510— Presses (Coil)

Electrical Mfrs. Equipment Co., 712 Postal Telegraph bldg, Chicago, Ill.
Oliver Elec. & Mfg. Co. ("Precision"), 4221 Forest Park, St. Louis, Mo.

Presses (Coining)

See Coining Machines

11511-12—Presses (Cold Punched Nut)

Henry & Wright Mfg. Co. ("Wright"), 760 Windsor, Hartford, Conn.
Loshbough Jordan Tool & Machine Co., Elkhart, Ind.
Pawtucket Mfg. Co., Pawtucket, R. I.

Presses (Concrete)

See Concrete Building Block Machinery

11513—*Presses (Continuous)

ANDERSON V. D. CO. ("Anderson" Expellers for Oil or Moisture), W 96th, Cleveland, O.
See adv index at end of book

11514—Presses (Continuous Roller)

KUTZTOWN FOUNDRY & MACHINE CO. ("Edgerton" for Abbatoirs, etc), 1431 Chestnut, Phila., Pa.
See adv index at end of book

11515—Presses (Copper Plate)

Modern Die & Plate Press Mfg. Co., Belleville, Ill.
Providence Press Machinery Co. Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*
San Diego Machine Wks., 739 4th, San Diego, Cal.

11516— Presses (Copying)

Bailey Mfg. Co., Berlin, Conn.
Chicago Scale Co., 7740 S Chicago av, Chicago, Ill.
Howe Scale Co., Rutland, Vt.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Racine Malleable & Wrought Iron Co., Racine, Wis.
Regina Co. ("Victoria" Rotary), 103 E 125th, New York
Roneo Co. ("Roneo" Rotary Automatic Copying), 392 B'way, New York
Yawman & Erbe Mfg. Co. ("Rapid Roller Copier"), Rochester, N. Y.

11517— Presses (Cork)

Davis Mfg. Co. (Cork Scrap), 127 Freeman, Brooklyn, N. Y.
DUNNING & BOSCHERT PRESS CO. (INC.), 379 W Water Syracuse, N. Y.
See adv index at end of book
Enterprise Mfg. Co. of Pa., 3rd & Dauphin, Phila., Pa.
Hydraulic Press Mfg. Co. ("H. P. M."), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book

11518— Presses (Cotton)

Adams W. T. Machine Co., Corinth, Miss.
Attalla Foundry & Machine Co., Attalla, Ala.
Cardwell Machine Co. ("Little Giant" Hydraulic), 1900 E Cary, Richmond, Va.
Charleston Dry Dock & Machine Co., Charleston, S. C.
Continental Gin Co., Birmingham, Ala.
Famous Mfg. Co., East Chicago, Ind.
Georgia Agricultural Works, Fort Valley, Ga.
Hobson & Co., Easton, Pa.
Hyde Chas. J., Meridian, Miss.
Hydraulic Press Mfg. Co. (H. P. M."), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book
Liddell Co., Charlotte, N. C.
Logemann Bros. Co., 3130 Burleigh, Milwaukee, Wis.
Lombard Iron Works & Supply Co., Augusta, Ga.
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Mecklenburg Iron Works, Charlotte, N. C.
Murray Co., Dallas, Texas
Southwark Foundry & Machine Co. (Compress), 1128 S 4th, Phila., Pa.
See adv index at end of book
Standard Metal Work Co., Thompsonville, Conn.
West Point Iron Works, West Point, Ga.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.

11519—Presses (Cotton Seed Hull)

Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Charleston Dry Dock & Machine Co., Charleston, S. C.
Famous Mfg. Co., East Chicago, Ind.
Murray Co., Dallas, Tex.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.

11520—Presses (Cotton Seed Oil)

ANDERSON V. D. CO. ("Anderson"), W 96th, Cleveland, O.
See adv index at end of book
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, Ohio
See adv index at end of book
Callahan W. P. Co. (Hydraulic), Dayton, Ohio
Cardwell Machine Co. (Hydraulic), 1900 E Cary, Richmond, Va.
French Oil Mill Machinery Co., Piqua, O.
Hydraulic Press Mfg. Co. ("H. P. M."), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book

11521—Presses (Crank Pin)

Alliance Machine Co., Alliance, O.
BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Chambersburg Engineering Co. (Hydraulic), Chambersburg, Pa.
Dudgeon Richard, 24 Columbia, New York
Elmes Chas. F. Engineering Works, cor. **Fulton & Sangamon, Chicago, Ill.**
See adv index at end of book
Hydraulic Press Mfg. Co. ("H. P. M."), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.
Perkins Machine Co., Warren, Mass.
Providence Press Machinery Co. Inc. ("Master"), 23d & 11th av, New York
See adv index at end of book
Rockford Iron Works, Race, Rockford, Ill.
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book
V. & O. Press Co. ("V. & O."), Dry Hrbr. rd, Glendale Station, L. I., N. Y.
WATSON-STILLMAN. CO., 38 Church, New York *See adv index at end of book*

11521a— Presses (Cupping)

Elmes Chas. F. Engineering Works, cor. Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Providence Press Machinery Co., Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*

Presses (Cutting)

See Presses, Power

11522-3— Presses (Cutting Glove Makers')

Curtin Hebert Co. (For Leather, Canvas or Silk Gloves), Gloversville, N. Y.

11524— Presses (Dental)

Hydraulic Press Mfg. Co. ("H. P. M."), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book
Providence Press Machinery Co. Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*

11524a— *Presses (Dial)

See Also Presses, Power
Ams Max Machine Co. ("Ams"), 101 Park av, New York
See adv index at end of book
BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book

11525— Presses (Dial Feed)

Adriance Machine Works Inc., 80 Richards, Brooklyn, N. Y.
BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Henry & Wright Mfg. Co. ("Wright"), 760 Windsor, Hartford, Conn.
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.

11526— Presses (Die)

Adriance Machine Works Inc., 80 Richards, Brooklyn, N. Y.
American Can Co., 104 S Michigan av, Chicago, Ill. *See adv index at end of book*
BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Chambersburg Engineering Co., Chambersburg, Pa.
DREIS & KRUMP MFG. CO., 7420 S Loomis, Chicago, Ill.
See adv index at end of book
Ferracute Machine Co., Bridgeton, N. J.
Henry & Wright Mfg. Co. ("Wright"), 760 Windsor, Hartford, Conn.
Hydraulic Press Mfg. Co. ("H. P. M."), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book
Kane & Roach, Syracuse, N. Y.
Kidder R. E. Co. (For Envelopes), Worcester, Mass.
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.
Loshbough Jordan Tool & Machine Co., Elkhart, Ind.
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Modern Die & Plate Press Mfg. Co., Belleville, Ill.
Niagara Machine & Tool Wks., Buffalo, N. Y.
Perkins Machine Co., Warren, Mass.
Providence Press Machinery Co., Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*
Rockford Iron Works, Race, Rockford, Ill.
Seelye Mfg. Co., 118 South, Boston, Mass.
Seybold Machine Co., Dayton, O.
Sheridan T. W. & C. B. Co. (Bookbinders), 401 B'way, New York
Slaysman & Co., 801 E Pratt, Baltimore, Md.
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book
Swaine F. J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.
Thomas Albright Co. (Hydraulic), Goshen, Ind.
WATSON-STILLMAN CO., 38 Church, New York *See adv index at end of book*

11527—Presses (Die Cutting)

BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Chambersburg Engineering Co., Chambersburg, Pa.
Logemann Bros. Co., 3130 Burleigh, Milwaukee, Wis.
Parsons Machinery Co., Marlboro, Mass.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Providence Press Machinery Co., Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*
Slaysman & Co., 801 E Pratt, Baltimore, Md.

11527a—*Presses (Die Sinking)

Chambersburg Engineering Co., Chembersburg, Pa.
Elmes Chas. F. Engineering Works, cor. Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
HYDRAULIC PRESS MFG. CO. ("H. P. M."), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book
Providence Press Machinery Co., Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*

11528—Presses (Disc Notching)

Adriance Machine Works Inc., 80 Richards, Brooklyn, N. Y.
Ams Max Machine Co. ("Ams"), 101 Park av, New York
See adv index at end of book
BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Henry & Wright Mfg. Co. ("Wright"), 760 Windsor, Hartford, Conn.
Providence Press Machinery Co. Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*
Swaine Fred J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.
Williams White & Co., 301 8th, Moline, Ill.

11528a—Presses (Doll Forming)

Providence Press Machinery Co. Inc. ("Master"), 23d & 11th av, New York
See adv index at end of book

11529— Presses (Drawing)

See also Sheet Metal Workers' Machines & Tools
Adriance Machine Works Inc., 80 Richards, Brooklyn, N. Y.
Ams Max Machine Co. ("Ams"), 101 Park av, New York
See adv index at end of book
Baird Machine Co., Stanford av, Bridgeport, Conn.
BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Chambersburg Engineering Co. (Hydraulic), Chambersburg, Pa.
Elmes Chas. F. Engineering Works, cor. Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Ferracute Machine Co., Bridgeton, N. J.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Henry & Wright Mfg. Co. ("Wright"), 160 Windsor, Hartford, Conn.
Hydraulic Press Mfg. Co. ("H. P. M."), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book
Kane & Roach, Syracuse, N. Y.
Leffler Charles & Co. (Sheet Metal, etc), 59 Clymer, Brooklyn, N. Y.
Loshbough Jordan Tool & Machine Co., Elkhart, Ind.
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Massillon Foundry & Machine Co. ("Massillon"), Massillon, O.
Meriden Press & Drop Co. ("Merriman," Cut & Draw), Meriden, Conn.
Michigan Press Co., Ypsilanti, Mich.
Morgan Engineering Co., Alliance, O.
NIAGARA MACHINE & TOOL WORKS, Buffalo, N. Y.
Perkins Machine Co., Warren, Mass.
Providence Press Machinery Co., Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*
Richard Mfg. Co., Bloomsburg, Pa.
Rockford Iron Works, Race, Rockford, Ill.
Slaysman & Co., 801 E Pratt, Baltimore, Md.
SOUTHWARK FOUNDRY & MACHINE CO., 1128 S 4th, Phila., Pa.
See adv index at end of book
Standard Machinery Co., Providence, R. I.
STOLL D. H. CO., 30 Lansing, Buffalo, N. Y. *See adv index at end of book*
Swaine F. J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.
Toledo Machine & Tool Co. ("Toledo"), Toledo, O.
V. & O. Press Co., Dry Harbor rd, Glendale Station, N. Y.
Walsh Press & Die Co. (For Drawn Shellac, etc), 4709 W Kinzie, Chicago, Ill.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
WATSON-STILLMAN CO., 38 Church, New York *See adv index at end of book*
Williams White & Co., 301 8th, Moline, Ill.
Woonsocket Machine & Press Co., Woonsocket, R. I.
Zeh & Hehnemann Co. (Double Acting), Vanderpool, Newark, N. J.

Presses (Drill)

See Drilling Machines

11530— Presses (Drop)

See also Hammers, Drop
BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Canton Foundry & Machine Co. ("Universal" for Metal Ceilings)), Canton, O.
See adv index at end of book
Chambersburg Engineering Co., Chambersburg, Pa.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Ferracute Machine Co., Bridgeton, N. J.
Heartley Machine Variety Iron & Tool Works, 900 Summit, Toledo, O.
Leffler Chas. & Co. (Sheet Metal, Can Makers, etc), 59 Clymer, Brooklyn, N. Y.
McWilliams Mfg. Co., 237 Eddy, Providence, R. I.
Merrill Bros., 3 Arnold (Queens Boro), Maspeth, L. I., N. Y.
See adv index at end of book
Miner & Peck Mfg. Co. ("Peck"), Derby, Conn.
Niagara Machine & Tool Wks. (Bench, Poppet, etc), Buffalo, N. Y.
Ohl Geo. A. & Co., 159 Oraton, Newark, N. J.
Oliver W. W. Mfg. Co. (Jewelers, etc.), 1483 Niagara, Buffalo, N. Y.
Perkins Machine Co., Warren, Mass.
PROVIDENCE PRESS MACHINERY CO., INC. ("Master"), Room 610, 110 W 40th, New York
See adv index at end of book
Robinson J. M. Mfg. Co., 106 Carolina, Cincinnati, O.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Swaine Fred. J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.
Toledo Machine & Tool Co. ("Toledo"), Toledo, O.
United Engineering & Foundry Co., Farmers Bk. bldg, Pittsburgh, Pa.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Williams White & Co. (& Forging), 301 8th, Moline, Ill.

11531— Presses (Embossing)

Adriance Machine Works Inc., 80 Richards, Brooklyn, N. Y.
AMS MAX MACHINE CO. ("Ams"), 101 Park av, New York
See adv index at end of book
Automatic Printing Devices Co., 95 Minna, San Francisco, Cal.
Beck Chas. Machine Co., 607 Chestnut, Phila., Pa.
BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Carver C. R. Co., 20th & Clearfield, Phila., Pa.
Chambersburg Engineering Co., Chambersburg, Pa.
Currier Cyrus & Sons, 365 Market, Newark, N. J.
DUNNING & BOSCHERT PRESS CO., 379 W Water, Syracuse, N. Y.
See adv index at end of book
Elmes Chas. F. Engineering Works, cor. Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Ferracute Machine Co. (Sheet Metal), Bridgeton, N. J.
Heartley Machine Variety Iron & Tool Works, 900 Summit, Toledo, O.
Henry & Wright Mfg. Co. ("Wright"), 760 Windsor, Hartford, Conn.
Hickok W. O. Mfg. Co. (For Bookbinders), Harrisburg, Pa.
Hydraulic Press Mfg. Co. ("H. P. M."), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book
Logemann Bros. Co. (Leather), 3130 Burleigh, Milwaukee, Wis.
Loshbough Jordan Tool & Machine Co., Elkhart, Ind.
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Loy & Nawrath Co., 25 Runyon, Newark, N. J.
Manville E. J. Machine Co., Waterbury, Conn.
Meriden Press & Drop Co., Meriden, Conn.
Niagara Machine & Tool Wks., Buffalo, N. Y.

(Continued on following page)

Presses (Embossing)—Continued

Ohl Geo. A. & Co. (Metal), 157 Oraton, Newark, N. J.
Oliver Machinery Co., Grand Rapids, Mich.
Perkins Machine Co., Warren, Mass.
PROVIDENCE PRESS MACHINERY CO., INC. ("Master"), Room 610, 110 W 40th, New York
See adv index at end of book
Rockford Iron Works, Race, Rockford, Ill.
ROOVERS BROS. (For Metal Name Plates, Pattern Letter Plates, Tags, Labels, etc.), 100 Schermerhorn, Brooklyn, N. Y.
Sheridan T. W. & C. B. Co. (Embossing & Graining for Leather, etc), 401 B'way, New York
SOUTHWARK FOUNDRY & MACHINE CO. (Hydraulic), 1128 S 4th, Phila., Pa. *See adv index at end of book*
Standard Machinery Co., Mystic, Conn.
STOLL D. H. CO., 30 Lansing, Buffalo, N. Y. *See adv index at end of book*
Swaine F. J. Mfg. Co. (Sheet Metal), 7th & O'Fallon, St. Louis, Mo.
Toledo Machine & Tool Co. ("Toledo"), Toledo, O.
Traud Alex. & Sons (For Leather), 124 Polk, Newark, N. J.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
WATSON-STILLMAN CO., 38 Church, New York *See adv index at end of book*
Williams White & Co., 301 8th, Moline, Ill.

11532—Presses (Emery Wheel)

DUNNING & BOSCHERT PRESS CO. (INC.), 779 W Water, Syracuse, N. Y.
See adv index at end of book
HYDRAULIC PRESS MFG. CO. ("H. P. M." Hydraulic), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book

11533—Presses (Engravers' Transfer)

Chapman W. H. (For Bank Notes, etc), 229 Mulberry, Newark, N. J.
Currier Cyrus & Sons, 365 Market, Newark, N. J.
San Diego Machine Wks., 739 4th, San Diego, Cal.

11533a—Presses (Extruding)

Hydraulic Press Mfg. Co. (Hydraulic "H. P. M."), 24 Lincoln av, Mt. Gilead, O. *See adv index at end of book*
Royle John & Son, Paterson, N. J.
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book

Presses (Excelsior Baling)

See Presses, Baling & Hay

11534—Presses (Fertilizer)

California Press Mfg. Co., 1800 Folsom, San Francisco, Cal.
DUNNING & BOSCHERT PRESS CO. (INC.), 379 W Water, Syracuse, N. Y.
See adv index at end of book
Elmes Chas. F. Engineering Works, cor. Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Hiller Stanley, Inc., 369 Pine, San Francisco, Cal.
Hydraulic Press Mfg. Co. ("H. P. M." Hydraulic), 24 Lincoln av, Mt. Gilead, O. *See adv index at end of book*
KUTZTOWN FOUNDRY & MACHINE CO., 1421 Chestnut, Phila., Pa.
See adv index at end of book
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book

11535—Presses (Fibre Board)

DUNNING & BOSCHERT PRESS CO. (INC.), 379 W Water, Syracuse, N. Y.
See adv index at end of book
Hydraulic Press Mfg. Co., Mt. Gilead, O.
See adv index at end of book
Lobdell Car Wheel Co., Wilmington, Del.

11536— Presses (Filter)

Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Allbright-Nell Co. (For Packing Houses), 5315 Western av, Chicago, Ill.
Bay City Iron Co., Bay City, Mich.
BEACH-RUSS CO., 38 Church, New York
See adv index at end of book
Bethlehem Shipbuilding Corp. Ltd. (Experimental), Dept. H, Broadhead & Parker av, Bethlehem, Pa.
Blymyer Iron Works Co., Cincinnati, O.
Bonnot Company, 722 Mulberry rd S E, Canton, O.
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Carbondale Machine Co., Carbondale, Pa.
CAVAGNARO JOHN J. (For Manufacturing Celluloid), Harrison, N. J.
Colorado Iron Works Co. ("Portland"), Denver, Colo.
Crossley Machine Co., State & Chestnut av, Trenton, N. J.
Dibert, Bancroft & Ross Co., Ltd., Tulane & Hagan av, New Orleans, La.
Duncan Stewart & Co. Ltd., Export Dept. 43 Cedar, New York
Dyer Co., 2031 Euclid av, Cleveland, O.
Eastwood Benj. Co., Paterson, N. J.
Elmes Chas. F. Engineering Works, cor. Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Erhart Chris, 954 Cleveland, Cincinnati, O.
Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn.
See adv index at end of book
Hadfield-Penfield Steel Co. (The), (Clay), Bucyrus, O.
See adv index at end of book
Hiller Stanley, Inc., 369 Pine, San Francisco, Cal.
Honolulu Iron Works Co., 233 Broadway, New York
Hydraulic Press Mfg. Co. ("H. P. M." Hydraulic), 24 Lincoln av, Mt. Gilead, O. *See adv index at end of book*
Ivens Wm. H. Sons Co., P. O. Box 647, Trenton, N. J.
Johnson John Co. (All Sizes & Types of Filter Presses in Iron, Bronze, Aluminum, Lead & Wool), 37th & 2nd av, Brooklyn, N. Y.
Krajewski-Pesant Corp., 227 Fulton, New York
Love Bros., Aurora, Ill.
Merrill Co., 121 2d, San Francisco, Cal.
Oliver Continuous Filter Co., 503 Market, San Francisco, Cal., & 33 W 42d, New York
Patterson Foundry & Machine Co., East Liverpool, O.
Perrin Wm. R. & Co. (For Chemicals, Oils, Sugar, Starch, Dry Colors, Varnish, etc), 343 S Dearborn, Chicago, Ill.
Platt Iron Works Co. (For Chemicals, Oils Sugar, Starch, Varnish, etc), Dayton, Ohio
Provost Engng. Corp. ("Provo"), 50 Church, New York
Pusey & Jones Co., Wilmington, Del.
Shriver T. & Co., Harrison, N. J.
Sperry D. R. & Co., Batavia, Ill.
Squier Geo. L. Mfg. Co., Buffalo, N. Y.
Superior Fdry. Co., Dept H, E. 71st & W. & L. E. Ry, Cleveland, O.
Traud Alex. & Sons, 124 Polk, Newark, N. J.
United Filters Corp. (Self-Dumping Filters), 25 Broadway, New York
Worthington Pump & Machy. Corp. ("Berrigan," Patents for Sugar Houses, Mining Plants, etc.), 115 B'way, New York

11537—Presses (Filter. Laboratory)

Hiller Stanley, Inc., 369 Pine, San Francisco, Cal.
Johnson John Co., 37th & 2nd av, Brooklyn, N. Y.
Perrin W. R. & Co., 343 S Dearborn, Chicago, Ill.
Sperry D. R. & Co., Batavia, Ill.

11538— Presses (Fish Oil)

California Press Mfg. Co., 1800 Folsom, San Francisco, Cal.
Cardwell Machine Co., 1900 E Cary, Richmond, Va.
DUNNING & BOSCHERT PRESS CO., INC., 379 W Water, Syracuse, N. Y.
See adv index at end of book
Hiller Stanley, Inc., 369 Pine, San Francisco, Cal.
Hydraulic Press Mfg. Co. ("H. P. M." Hydraulic), 24 Lincoln av, Mt. Gilead, O. *See adv index at end of book*
Western Steel & Engineering Co. ("Giant"), 1535 Chestnut, San Francisco, Cal.

11539— Presses (Flanging)

Aldrich Pump Co., Allentown, Pa.
Bethlehem Steel Co., Bethlehem, Pa.
Chambersburg Engineering Co. (Hydraulic), Chambersburg, Pa.
DREIS & KRUMP MFG. CO., 7420 S Loomis, Chicago, Ill.
See adv index at end of book
ELMES CHAS. F. ENGINEERING WKS., (INC.), cor Fulton & Sangamon, Chicago, Ill. *See adv index at end of book*
Ferracute Machine Co., Bridgeton, N. J.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Hydraulic Press Mfg. Co. ("H. P. M." Hydraulic), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book
Joubert & Goslin Mch. & Fdy Co., Birmingham, Ala.
Kiefer Karl Machine Co. (For Laboratory Use), 919 Martin, Cincinnati, O.
Kilby Mfg. Co., 4623 Lakeside av, Cleveland, O.
KOVEN, L. O. & BRO., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Krajewski-Pesant Corp., 50 Broad, New York
Louisville Drying Machine Co., Louisville, Ky.
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Love Bros. (For Glucose), Aurora, Ill.
Merrill Metallurgical Co. (Slime), 121 2d, San Francisco, Cal.
Moore Filter Co. ("Moore," Slime Process), 50 E 42d, New York
Moore Sam'l L. & Sons (Hydraulic), Elizabeth, N. J.
Morgan Engineering Co. ("Morgan" Hydraulic), Alliance, O.
Nelson Alfred W., 183 Snyder av, Brooklyn, N. Y.
Perkins Machine Co. (For Heavy Flanging), Warren, Mass.
Providence Press Machinery Co., Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*
Ryerson Joseph T. & Son, 2558 W. 16th, Chicago, Ill. *See adv index at end of book*
SOUTHWARK FOUNDRY & MACHINE CO., 1128 S 4th, Phila., Pa.
See adv index at end of book
V. & O. Press Co. ("V. & O."), Dry Harbor rd, Glendale Station, N. Y.
Wickes Bros., Saginaw, Mich.
See adv index at end of book
Wood Wm. H. (Sectional), Media, Pa.

11540—Presses (Folding & Seaming)

Adriance Machine Works Inc., 80 Richards, Brooklyn, N. Y.
Providence Press Machinery Co., Inc. ("Master"), Room 610, 110 W 40th, New York
See adv index at end of book
Slayman & Co. ("Slayman" Duplex, for Can Makers), 801 E Pratt, Baltimore, Md.

11541— Presses (Foot)

Adriance Machine Works Inc., 80 Richards, Brooklyn, N. Y.
Ayars Machine Co. (For Can Making, etc), Salem, N. J.
Baird Machine Co., Stanford av, Bridgeport, Conn.
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Chapman W. H. (Jewelers), 229 Mulberry, Newark, N. J.
Cook Thos. W. G., 83 Walker, New York
Draher John, Waterbury, Conn.
Ferracute Machine Co., Bridgeton, N. J.
Heartley Machine, Variety Iron & Tool Works, 900 Summit, Toledo, O.
Leffler Chas. & Co. (Toggle Lever, Sheet Metal, etc), 59 Clymer, Brooklyn, N. Y.
Loyd John Co., 1 Franklin, New York
Manville E. J. Machine Co. (Single), Waterbury, Conn.
Meriden Press & Drop Co. ("Merrimac"), Meriden, Conn.
Michigan Press Co., Ypsilanti, Mich.
Myers Machine Tool Corp., Columbia, Pa.
NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y.
Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.
Partridge E. O., 2039 W Lake, Chicago, Ill.
See adv index at end of book
Perkins Machine Co., Warren, Mass.
Providence Press Machinery Co., Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*
Quadriga Mfg. Co., 23 W Grand av, Chicago, Ill. *See adv index at end of book*
Rockford Iron Works (Inclinable), Rockford, Ill.
Rowbottom Machine Co. ("Rowbottom"), Waterbury, Conn.
Royersford Foundry & Machine Co., Royersford, Pa.
Ryerson Joseph T. & Son, Inc., 2558 W 16th, Chicago, Ill.
See adv index at end of book
Seattle Astoria Iron Wks. (Die Press for Salmon Canneries), 601H Myrtle, Seattle, Wash.
SHUSTER F. B. CO. (Toggle, Double & Pendulum Lever), Cedar Hills, New Haven, Conn. *See adv index at end of book*
Slaysman & Co. (Can Makers', etc.), 801 E Pratt, Baltimore, Md.
Standard Machinery Co., Providence, R. I.
Stoll D. H. Co., 30 Lansing, Buffalo, N. Y.
See adv index at end of book
Swaine F. J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.
Taylor & Fenn Co. (Spring), 57 Arch, Hartford, Conn.
Toledo Machine & Tool Co. ("Toledo"), Toledo, O.
V. & O. Press Co. ("V. & O."), Dry Harbor rd, Glendale Station, N. Y.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Zeh & Hahnemann Co., Vanderpool, Newark, N. J.

11542—Presses for Lining Service Pipe with Cement

Union Water Meter Co., Worcester, Mass.

11543— Presses (Forcing)

Chambersburg Engineering Co., (Hydraulic & Power), Chambersburg, Pa.

Elmes Chas. F. Engineering Works, cor Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
General Mfg. Co., 6430 Farmsworth av, Detroit, Mich.
HYDRAULIC PRESS MFG. CO. ("H. P. M." Hydraulic), 24 Lincoln av, Mount Gilead, O.
See adv index at end of book
Kimmerle Bros. ("Kimkin"), 226 11th, San Francisco, Cal.
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Lucas Machine Tool Co. ("Lucas"), 524 E 99th, Cleveland, O.
Providence Press Machinery Co., Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*
SOUTHWARK FOUNDRY & MACHINE CO., 1128 S 4th, Phila., Pa.
See adv index at end of book
WATSON-STILLMAN CO., 38 Church, New York *See adv index at end of book*
Weaver Mfg. Co. ("Weaver"), Springfield, Ill.

Presses (Forging)

See Presses, Drop; Presses, Hydraulic; Presses, Power; Hammers, Drop; Forging Machines

11544—Presses (Forging, Steam-Hydraulic)

Bethlehem Steel Co., Bethlehem, Pa.
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
Morgan Engineering Co., Alliance, O.
United Engineering & Foundry Co. ("Davy Bros." High Speed), Farmers' Bank bldg, Pittsburgh, Pa.

11545— Presses (Forming)

Adriance Machine Works Inc., 80 Richards, Brooklyn, N. Y.
Chambersburg Engineering Co., Chambersburg, Pa.
Dreis & Krump Mfg. Co., 7420 S Loomis, Chicago, Ill.
See adv index at end of book
Elmes Chas. F. Engineering Works, cor Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Ferracute Machine Co. ("Ferracute"), Bridgeton, N. J.
Henry & Wright Mfg. Co. ("Wright"), 760 Windsor, Hartford, Conn.
Hydraulic Press Mfg. Co. ("H.P.M." Hydraulic), 24 Lincoln av, Mount Gilead, Ohio *See adv index at end of book*
Loshbough Jordan Tool & Machine Co., Elkhart, Ind.
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Rockford Iron Works, Race, Rockford, Ill.
Southwark Foundry & Machine Co., 1128 S. 4th, Phila., Pa.
See adv index at end of book
Toledo Machine & Tool Co. ("Toledo"), Toledo, Ohio
Verdin, Kappes & Verdin Co., Cincinnati, Ohio
Williams, White & Co., 301 8th, Moline, Ill.

11546— Presses (Friction, Dial Feed)

Ams Max Machine Co. ("Ams"), 101 Park av, New York
See adv index at end of book
BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.

11547— Presses (Fruit)

See also Presses, Wine & Cider

Anderson-Barngrover Mfg. Co., 333 W Julian, San Jose, Cal.
Bianchi's Machine Shop, 221 Bay, San Francisco, Cal.
California Press Mfg. Co., 1800 Folsom, San Francisco, Cal.
Cevasco, Cavagnaro & Ambrette, Inc. (Hand Presses Only), 156 6th, Brooklyn, N. Y.
DUNNING & BOSCHERT PRESS CO., INC., 379 W Water, Syracuse, N. Y.
See adv index at end of book
Eddy & Sherman Mfg. Co., 633 Randolph, Huntington Park, Cal.
Enterprise Mfg. Co. of Pa., 3rd & Dauphin, Phila., Pa.
Fanner Mfg. Co. ("Arctic," Hand), Cleveland, O.
Gray Iron Foundry Co., Reading, Pa.
Griswold Mfg. Co., Erie, Pa.
Hydraulic Press Mfg. Co. ("Mount Gilead"), 24 Lincoln av, Mount Gilead, Ohio *See adv index at end of book*
Independent Register & Mfg. Co., Perry Payne bldg, Cleveland, Ohio
Klotz Machine Co. (Grape, Hand), Sandusky, Ohio
Landers, Frary & Clark ("Universal"), New Britain, Conn.
New Standard Hardware Works, Inc., Mount Joy, Pa.
Rebizzo M. & Co., 414 Broadway, San Francisco, Cal.
Red Cross Mfg. Co., Bluffton, Ind.
Schriver O. P. & Co., 621 E Pearl, Cincinnati, O.
Silver & Co. ("Henis"), 304 Hewes, Brooklyn, N. Y.
Smith Mfg. Co. Inc., Stockton & Alameda, San Jose, Cal.
Teller R. K. (Hand, Fruit, Vegetable, etc.), Unadilla, N. Y.
Thurnauer G. M. Co. (For Family Use), 6 E 20th, New York
Wagner Mfg. Co., Sidney, Ohio
Western Steel & Engineering Co. ("Giant"), 1535 Chestnut, San Francisco, Cal.
Wrightsville Hardware Co. ("Brighton" for Family Use), Wrightsville, Pa.

11548—Presses (Gang Tool)

Ferracute Machine Co., Bridgeton, N. J.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Perkins Machine Co., Warren, Mass.

11549— Presses (Garbage)

DUNNING & BOSCHERT PRESS CO., INC., 379 W Water, Syracuse, N. Y.
See adv index at end of book
Hydraulic Press Mfg. Co. ("H.P.M" Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*
KUTZTOWN FOUNDRY & MACHINE CO., 1421 Chestnut, Phila., Pa.
See adv index at end of book
Thomas Albright Co., Dept. H, Goshen, Ind.

11550— Presses (Gilding)

Hickok W. O. Mfg. Co., Harrisburg, Pa.

11551— Presses (Glass)

Miller Machine & Mould Works (Automatic). Columbus, O.
Providence Press Machinery Co., Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*
Sommerfeld Machine & Mfg. Co., 216 2nd av, Pittsburgh, Pa.
Yockel Chas. & Sons, 1220 N Lawrence, Phila., Pa.

11552—— Presses (Glue)

DUNNING & BOSCHERT PRESS CO., INC., 379 W Water, Syracuse, N. Y.
See adv index at end of book
Hydraulic Press Mfg. Co. ("H.P.M" Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*

11553— Presses (Grease)

Dunning & Boschert Press Co., Inc., 379 W Water, Syracuse, N. Y.
See adv index at end of book
Elmes Chas. F. Engineering Works, cor Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Hydraulic Press Mfg. Co. ("H.P.M" Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book

11553a— Presses (Gun Powder)

HYDRAULIC PRESS MFG. CO. ("H.P.M." Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book
WATSON-STILLMAN CO., 38 Church, New York *See adv index at end of book*

11554— Presses (Ham)

Wolf, Sayer & Heller ("Victor"), Fulton & Peoria, Chicago, Ill.

11555— Presses (Hand)

Alsteel Mfg. Co. (Baling Waste, etc), Battle Creek, Mich.
Ferracute Machine Co. (For Sheet Metal), Bridgeton, N. J.
Holmes Bros., 440 N. Sacramento, Chicago, Ill.
Hydraulic Press Mfg. Co. ("H.P.M" Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*
Logemann Bros. Co. (Baling for Rags, Waste Paper, etc). 3130 Burleigh, Milwaukee, Wis.
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Perkins Machine Co., Warren, Mass.
V. & O. Press Co. ("V. & O."), Dry Harbor rd, Glendale Station, N. Y.

11556—Presses (Hand, for Rubber Mfrs.)

DUNNING & BOSCHERT PRESS CO., INC. (also Power), 379 W Water, Syracuse, N. Y.
See adv index at end of book
Williams Foundry & Machine Co., Akron, Ohio *See adv index at end of book*

11557—Presses (Hand Screw)

Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Disston Hy. & Sons (For Punching, Slotting, Shearing, etc), Tacony, Phila., Pa.
Elmes Chas. F. Engineering Works, cor Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Providence Press Machinery Co., Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*

11558—Presses (Harness & Saddlers')

Osborne C. S. & Co., Box 183, Newark, N. J. *See adv index at end of book*

Presses (Hay)

See Presses, Baling & Hay

11559— Presses (Hogshead)

Cardwell Machine Co. (Power-Screw), 1900 E Cary, Richmond, Va.

11560— Presses (Hop)

DUNNING & BOSCHERT PRESS CO., INC., 379 W Water, Syracuse, N. Y.
See adv index at end of book
Hydraulic Press Mfg. Co. ("H.P.M" Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*

11561— Presses (Horizontal)

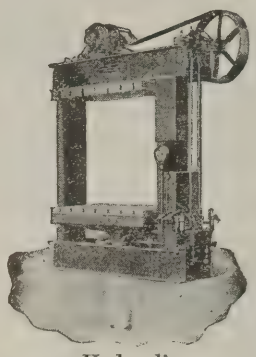
Adriance Machine Works Inc., 80 Richards, Brooklyn, N. Y.
BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Chambersburg Engineering Co., Chambersburg, Pa.
DUNNING & BOSCHERT PRESS CO., INC., 379 W Water, Syracuse, N. Y.
See adv index at end of book
Ferracute Machine Co., Bridgeton, N. J
Hydraulic Press Mfg. Co., 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Perkins Machine Co., Warren, Mass.
Toledo Machine & Tool Co. ("Toledo"), Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Williams, White & Co., 301 8th, Moline, Ill.

11562— Presses (Horn)

Ams Max Machine Co., 101 Park av, New York *See adv index at end of book*
BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
DUNNING & BOSCHERT PRESS CO., INC., 379 W Water, Syracuse, N. Y.
See adv index at end of book
Ferracute Machine Co., Bridgeton, N. J.
Hydraulic Press Mfg. Co., 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Morey & Co. Inc. (Dirs), 410 Broome, New York
Niagara Machine & Tool Wks., Buffalo, N. Y.
Rockford Iron Works, Race, Rockford, Ill.
Swaine Fred J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.

11563—Presses (Horning & Wiring)

Ams Max Machine Co. ("Ams"), 101 Park av, New York
See adv index at end of book
BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Cleveland Punch & Shear Works, 3917 St. Clair av, Cleveland, O.
See adv index at end of book
Ferracute Machine Co., Bridgeton, N. J.
Heartley Machine, Variety Iron & Tool Works, 900 Summit, Toledo, O.
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.
Morey & Co., Inc., 410 Broome, New York
Niagara Machine & Tool Wks., Buffalo, N. Y.
Perkins Machine Co., Warren, Mass.
Rockford Iron Works, Race, Rockford, Ill.
Slaysman & Co. (For Can Makers), 801 E Pratt, Baltimore, Md.
Stecher Chas. Co., 1580 Crossing, Chicago, Ill.
STOLL D. H. CO., 30 Lansing, Buffalo, N. Y. *See adv index at end of book*
Swaine F. J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.
Toledo Machine & Tool Co. ("Toledo"), Toledo, O.
Wold, Torris & Co., 240 N. Ashland av, Chicago, Ill.
Zeh & Hahnemann Co., Vanderpool, Newark, N. J.


Hydraulic

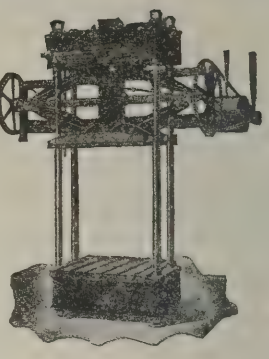
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11564— Presses (Hot Plate)

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Gerdes & Co., 42 Church, New York
See adv index at end of book
HYDRAULIC PRESS MFG. CO. ("H.P.M." Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Providence Press Machinery Co., Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*
Smith Drum & Co. (For Hosiery & Underwear), Allegheny av & 5th, Phila., Pa.
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book
Turner Tanning Machy. Co. ("Turner" Power), Peabody, Mass.

11564a— Presses (Hot & Cold)

Elmes Chas. F. Engineering Works, cor Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Hydraulic Press Mfg. Co. ("H.P.M" Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Providence Press Machinery Co., Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*
Southwark Foundry & Machine Co. (Hydraulic), 1128 S. 4th, Phila., Pa.
See adv index at end of book

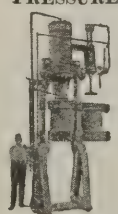
11565-6—Presses (Hydraulic)

Adamson Machine Co., (For Rubber Mfrs.), Akron, Ohio
Aldrich Pump Co., Allentown, Pa.
Alliance Machine Co., Alliance, O.
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Bethlehem Steel Co. (Of All Descriptions), South Bethlehem, Pa.
Birdsboro Steel Foundry & Machine Co. (To Specifications), Birdsboro, Pa.
Birmingham Iron Foundry, Derby, Conn.
Buckeye Iron & Brass Works (Oil Mill), 322 E 3rd, Dayton, Ohio
See adv index at end of book
CALDWELL E. R. & CO., Bradford, Pa.
See adv index at end of book
California Press Mfg. Co., 1800 Folsom, San Francisco, Cal.
Callahan W. P. Co., Dayton, O.
Carbondale Machine Co., Carbondale, Pa.
Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Carver Fred S, 8 W 40th, New York
Cavagnaro John J., Harrison, N. J.
Chambersburg Eng. Co., Chambersburg, Pa.
Currier Cyrus & Sons, 365 Market, Newark, N. J.
Davidson & Kennedy Co. (For Cotton Seed Oil, Peanuts, Copra), 872 Ashley, Atlanta, Ga.
Defiance Machine Works (Hub, Flange & Wheel), Defiance, O.
Dennis John Machine Co. (For Hot Pressing), Lowell, Mass.
Dudgeon Richard, 24 Columbia, New York
DUNNING & BOSCHERT PRESS CO., INC., 379 W Water, Syracuse, N. Y.
See adv index at end of book
ELMES CHAS. F. ENGINEERING WKS. (Belt Chain or Steam Driven), cor. Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Excelsior Tool & Machine Co., 32nd & Ride, East St. Louis, Ill.
Falls Clutch & Machinery Co., Cuyahoga Falls, O.
Famous Mfg. Co., East Chicago, Ind.
Farquhar A. B. Co., Ltd. (Cider, Veneer & Special & "Farquhar"), York, Pa.
French Oil Mill Machinery Co., Piqua, O.

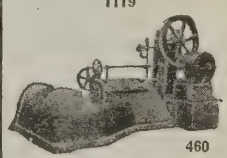

1302
PUMPS
PRESSURES UP TO 10,000 LBS. ANY DESIRED CAPACITY

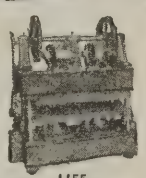


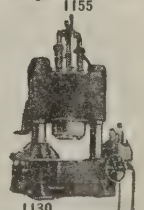
19
GAUGES
FITTINGS
PACKINGS
FOR HIGH PRESSURES


1110
PASTE GOODS
MACHINERY;
PRESSES, MIXERS, KNEADERS


1119


460


1155


1130


648


712


1245


656

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1441


292

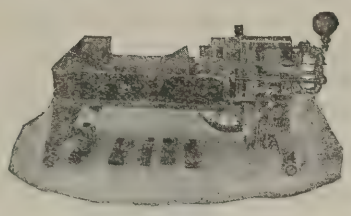

1334


1690
ACCUMULATORS
TANK, RING OR PLATFORM WEIGHTED. HIGH OR LOW PRESSURE. ANY CAPACITY


639
VALVES
QUICK ACTION HIGH OR LOW PRESSURES. AUTOMATIC OR HAND OPERATED FOR ALL PURPOSES


371
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UP TO 1000 TONS

CHARLES F. ELMES ENGINEERING WORKS
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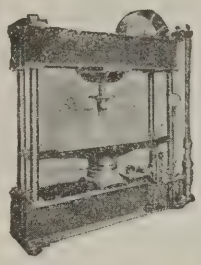
LOURIE HYDRAULIC PRESSES

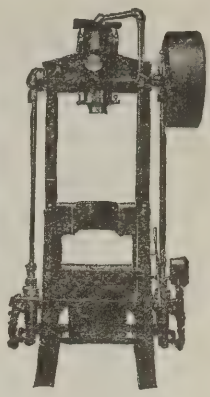
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See adv index at end of book

Grote F. Mfg. Co. (For Tobacco), 120 3rd av, Evansville, Ind.

Hennebohle Frank, 31st & S Chicago av, Chicago, Ill.

Holmes Bros., 440 N Sacramento, Chicago, Ill.

Holyoke Machine Co., Holyoke, Mass.

Hydraulic Engineering Works, 708 Fulton, Chicago, Ill.

HYDRAULIC PRESS MFG. CO. ("HPM"), 24 Lincoln av, Mount Gilead, Ohio
See adv index at end of book

Illinois Iron & Bolt Co. (For Wagon or Carriage Mfrs.), Carpentersville, Ill.

Jenkins Machine Co. (Steam Heated, Bending for Wood), Sheboygan, Wis.

Kane & Roach, Syracuse, N. Y.

Kilby Mfg. Co., 4623 Lakeside av, Cleveland, O.

Lobdell Car Wheel Co., Wilmington, Del.

Logemann Bros. Co. ("Logemann"), 3130 Burleigh, Milwaukee, Wis.

LOURIE HYDRAULIC PRESS CO. Springfield, Ill. *See adv index at end of book*

McCall Machine Works, Rochester, N. Y.

H-P-M HYDRAULIC PRESSES



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HYDRAULIC PRESS MFG. CO.
24 Lincoln Avenue Mount Gilead, Ohio

McLauthlin Geo. T. Co., 120 Fulton, Boston, Mass.

Mackintosh-Hemphill Co. (Heavy), 12th & Etna, Pittsburgh, Pa.

Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book

Metalwood Mfg. Co., Lieb & Wight, Detroit, Mich.

Monarch Mfg. Co. ("Monarch" for Transmission Grease), Council Bluffs, Ia.

Morgan Engineering Co., Alliance, O.

Nashua Steam Press & Boiler Wks., Nashua, N. H.

NILES-BEMENT-POND CO., 111 Broadway, New York
See adv index at end of book

Oilgear Co. (& Assembling), 655-667 Park, Milwaukee, Wis.

Perrin W. R. & Co., 343 S Dearborn, Chicago, Ill.

Phila. Drying Machinery Co., 3351 Stok-

Platt Iron Works Co. (For Oils, Castor Bean, Corn Oil, Hard Wax, etc), Dayton, O.

Progress Mach. Works, 512 N. La Salle av, Chicago, Ill.

PROVIDENCE PRESS MACHINERY CO., INC. ("Master"), Room 610, 110 W 40th, New York
See adv index at end of book

Riehle Bros. Testing Machine Co., 1424 N 9th, Phila., Pa.

Robertson John & Co. (For Making Lead Pipe, Block Tin Pipe, Solder Wire, Trap & Bends, Lead Incasing Electric Conductors, Silversmiths & Jewelers' Use, Automobile Metal, Body Presses, Phonograph Record Presses, etc), 133 Water, Brooklyn, N. Y.

Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*

SOUTHWARK FOUNDRY & MACHINE CO., 1128 S 4th, Phila., Pa.
See adv index at end of book

Thomas Albright Co. (For Tankage, Tallow, Leather, etc), Goshen, Ind.

(Continued on following page)

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278

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Traylor Engineering & Manufacturing Co., Allentown, Pa.
Treadwell Engineering Co., Easton, Pa.
See adv index at end of book
United Engineering & Foundry Co., Farmers' Bank bldg, Pittsburgh, Pa.
United Roll & Foundry Co., Ravenna, O.
Van Atta & Co., Inc., Olean, N. Y.
Vaughn Machinery Co. (For Rubber Mfrs.), Cuyahoga Falls, Ohio
Vulcan Iron Works (Portable, for Pressing on & off Cranks, Crank Pins, Car Wheels, etc), 327 N Irving av, Chicago, Ill.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Watson Machine Co. (For Silk, Cotton & Rubber), Paterson, N. J.
WATSON-STILLMAN CO., 38 Church, New York *See adv index at end of book*
Westbrook Elevator Mfg. Co., Danville, Va.
Western Steel & Engineering Co. ("Giant"), 1535 Chestnut, San Francisco, Cal.
Williams Foundry & Machine Co. (For Rubber Goods), Akron, Ohio
See adv index at end of book
Williams, White & Co. (For Gun, Carriages & Other Work), 301 8th, Moline, Ill.

11567—Presses (Hydraulic Banding & Stripping, Combined)

Hydraulic Press Mfg. Co. ("H.P.M."), 24 Lincoln av, Mount Gilead, Ohio
See adv index at end of book
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book

11568—Presses (Hydraulic Crank Pin)

Hydraulic Press Mfg. Co. ("H.P.M."), 24 Lincoln av, Mount Gilead, Ohio
See adv index at end of book
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
WATSON-STILLMAN CO., 38 Church, New York *See adv index at end of book*

11569—Presses (Hydraulic Flanging)

See also Flanging Machines

Aldrich Pump Co., Allentown, Pa.
Alliance Machine Co., Alliance, O.
Bethlehem Steel Co., South Bethlehem, Pa.
Chambersburg Engineering Co., Chambersburg, Pa.
Hydraulic Press Mfg. Co. ("H.P.M."), 24 Lincoln av, Mount Gilead, Ohio
See adv index at end of book
LOURIE HYDRAULIC PRESS CO., Springfield, Ill. *See adv index at end of book*
Morgan Engineering Co., Alliance, O.
Niles-Bement-Pond Co., 111 B'way, New York
See adv index at end of book
PROVIDENCE PRESS MACHINERY CO. INC. ("Master"), Room 610, 110 W 40th, New York
See adv index at end of book
SOUTHWARK FOUNDRY & MACHINE CO., 1128 S 4th, Phila., Pa.
See adv index at end of book
Traylor Engineering & Manufacturing Co., Allentown, Pa.
WOOD R. D. & CO., 400 Chestnut, Phila., Pa.

11570—Presses (Hydraulic Forcing)

See also Presses, Forcing

Chambersburg Engineering Co. (For Bushings, etc.), Chambersburg, Pa.
Hydraulic Press Mfg. Co. ("H.P.M."), 24 Lincoln av, Mount Gilead, Ohio
See adv index at end of book
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Niles-Bement-Pond Co., 111 B'way, New York *See adv index at end of book*
Providence Press Machinery Co., Inc., ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*
Southwark Foundry & Machine Co., 1128 S. 4th, Phila., Pa.
See adv index at end of book
Treadwell Engineering Co., Easton, Pa.
See adv index at end of book
WOOD R. D. & CO., 400 Chestnut, Phila., Pa.

11571—Presses (Hydraulic Forging)

See also Forging Machines

Aldrich Pump Co., Allentown, Pa.
Alliance Machine Co., Alliance, O.
Bethlehem Steel Co., South Bethlehem, Pa.
Chambersburg Engineering Co., Chambersburg, Pa.
Elmes Chas. F. Engng. Wks., Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Hydraulic Press Mfg. Co. ("H.P.M."), 24 Lincoln av, Mount Gilead, Ohio
See adv index at end of book
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
Morgan Engineering Co., Alliance, O.
Niles-Bement-Pond Co., 111 B'way, New York
See adv index at end of book
Providence Press Machinery Co., Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*
Southwark Foundry & Machine Co., 1128 S. 4th, Phila., Pa.
See adv index at end of book
Treadwell Engineering Co., Easton, Pa.
See adv index at end of book
Union Switch & Signal Co., Swissvale, Pa.
United Engineering & Foundry Co. ("Davy Bros" Patent High-Speed Steam-Hydraulic for Forging, Shearing & Pressing), Keenan bldg, Pittsburgh, Pa.
WATSON-STILLMAN CO., 38 Church, New York *See adv index at end of book*

11572-3—Presses (Hydraulic, Four Column)

Dunning & Boschert Press Co., Inc., 379 W Water, Syracuse, N. Y.
See adv index at end of book
Hydraulic Press Mfg. Co. ("H.P.M."), 24 Lincoln av, Mount Gilead, Ohio
See adv index at end of book
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
WOOD R. D. & CO., 400 Chestnut, Phila., Pa.

11574—Presses (Hydraulic Leather Belting)

DUNNING & BOSCHERT PRESS CO. INC., 379 W Water, Syracuse, N. Y.
See adv index at end of book
Hydraulic Press Mfg. Co. ("H.P.M."), 24 Lincoln av, Mount Gilead, Ohio
See adv index at end of book
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book
Thomas Albright Co., Goshen, Ind.

11575—*Presses (Hydraulic Macaroni)

DUNNING & BOSCHERT PRESS CO. INC., 379 W Water, Syracuse, N. Y.
See adv index at end of book
Elmes Chas. F. Engineering Works, cor. Fulton & Sangamon, Chicago, Ill.
See adv index at end of book

11576—Presses (Hydraulic Pipe Bending)

Hydraulic Press Mfg. Co. ("H.P.M."), 24 Lincoln av, Mount Gilead, Ohio
See adv index at end of book
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Southwark Foundry & Machine Co., 1128 S. 4th, Phila., Pa.
See adv index at end of book
WOOD R. D. & CO., 400 Chestnut, Phila., Pa.

11577—Presses (Hydraulic Portable)

Aldrich Pump Co., Allentown, Pa.
DUNNING & BOSCHERT PRESS CO. INC., 379 W Water, Syracuse, N. Y.
See adv index at end of book
Elmes Chas. F. Engineering Works, cor. Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Hydraulic Press Mfg. Co. ("H.P.M."), 24 Lincoln av, Mount Gilead, Ohio
See adv index at end of book
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book
Vulcan Iron Works, 327 N Irving av, Chicago, Ill.
WOOD R. D. & CO., 400 Chestnut, Phila., Pa.

11578—Presses (Hydraulic Pulley)

Bethlehem Steel Co., South Bethlehem, Pa.
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book

11579—*Presses (Hydraulic Pulling)

Elmes Chas. F. Engineering Works, cor Fulton & Sangamon, Chicago, I..
See adv index at end of book
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book

Presses (Hydraulic Rubber Vulcanizing)

See Presses, Vulcanizing

11580—Presses (Hydraulic Spring Bending)

Hydraulic Press Mfg. Co. ("H.P.M."), 24 Lincoln av, Mount Gilead, Ohio
See adv index at end of book
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
WOOD R. D. & CO., 400 Chestnut, Phila., Pa.

Presses (Hydraulic Wheel)

See Presses, Car Wheel

11581—Presses (Hydrostatic Wheel)

Bethlehem Steel Co., South Bethlehem, Pa.
Chambersburg Eng. Co., Chambersburg, Pa.
DUNNING & BOSCHERT PRESS CO. INC., 379 W Water, Syracuse, N. Y.
See adv index at end of book
Elmes Chas. F. Engineering Works, cor Fulton & Sangamon, Chicago, I..
See adv index at end of book
Filer & Stowell Co. (Hydraulic), Milwaukee, Wis.

HYDRAULIC PRESS MFG. CO. ("HPM"), 24 Lincoln av, Mount Gilead, Ohio
See adv index at end of book

Lobdell Car Wheel Co., Wilmington, Del.
Logemann Bros. Co., 3130 Burleigh, Milwaukee, Wis.
McCall Machine Works, Rochester, N. Y.
Niles-Bement-Pond Co., 111 B'way, New York
See adv index at end of book
Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.
SOUTHWARK FOUNDRY & MACHINE CO., 1128 S 4th, Phila., Pa.
See adv index at end of book
WATSON-STILLMAN CO., 38 Church, New York *See adv index at end of book*

11582— Presses (Inclinable)

Adriance Machine Works Inc., 80 Richards, Brooklyn, N. Y.
Ams Max Machine Co. ("Ams"), 101 Park av, New York
See adv index at end of book
BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Chambersburg Engineering Co., Chambersburg, Pa.
Cleveland Punch & Shear Works, 3917 St. Clair av, Cleveland, O.
See adv index at end of book
Ferracute Machine Co., Bridgeton, N. J.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Loshbough Jordan Tool & Machine Co., Elkhart, Ind.
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Meriden Press & Drop Co., ("Merriman"), Meriden, Conn.
Michigan Press Co., Ypsilanti, Mich.
NIAGARA MACHINE & TOOL WORKS (Power), Buffalo, N. Y.
Perkins Machine Co., Warren, Mass.
Providence Press Machinery Co., Inc., Room 610, 110 W 40th, New York
See adv index at end of book
Rockford Iron Works ("Rockford"), Rockford, Ill.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill.
See adv index at end of book
Standard Machinery Co., Providence, R. I.
Swaine F. J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.
V. & O. Press Co. ("V. & O."), Dry Harbor rd, Glendale Station, N. Y.
Wold, Torris & Co. (Power, for Can Makers, etc), 240 N Ashland av, Chicago, Ill.

11582a—*Presses (Indenting)

Elmes Chas. F. Engineering Works, cor Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
YUBA MFG. CO. ("Yuba Ball Tread," "Ball Tread"), 433 California, San Francisco, Cal.

11582b—Presses (Insulation Material)

Elmes Chas. F. Engineering Works, cor Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Hydraulic Press Mfg. Co. ("H.P.M."), 24 Lincoln av, Mount Gilead, Ohio
See adv index at end of book
Providence Press Machinery Co. Inc. ("Master"), 23d & 11th av, New York
See adv index at end of book

11583— *Presses (Jute)

DUNNING & BOSCHERT PRESS CO. INC., 379 W Water, Syracuse, N. Y.
See adv index at end of book

Presses (Knit Goods & Hosiery)

See Clothes Pressing Machines

11584—Presses (Knock Screw)

Farrel Foundry & Machine Co., 20 Main, Ansonia, Conn.
See adv index at end of book
Thropp Wm. R. & Sons Co., Trenton, N. J.

11585—Presses (Knuckle Joint)

Ams Max Machine Co. ("Ams"), 101 Park av, New York
See adv index at end of book
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
DUNNING & BOSCHERT PRESS CO. INC., 379 W Water, Syracuse, N. Y.
See adv index at end of book
Ferracute Machine Co., Bridgeton, N. J.
Perrin W. R. & Co., 343 S Dearborn, Chicago, Ill.
Standard Metal Work Co., Thompsonville, Conn.
Toledo Machine & Tool Co. ("Toledo"), Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

11586— Presses (Knurling)

V. & O. Press Co. ("V. & O."), Dry Harbor rd, Glendale Station, N. Y.

11587— Presses (Laboratory)

Chambersburg Engineering Co., Chambersburg, Pa.
Dunning & Boschert Press Co., Inc., 379 Water, Syracuse, N. Y.
See adv index at end of book
ELMES CHAS. F. ENGINEERING WKS., cor Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Hydraulic Press Mfg. Co. ("H.P.M." Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*
PROVIDENCE PRESS MACHINERY CO. INC. ("Master"), Room 610, 110 W 40th, New York
See adv index at end of book

11588—Presses (Lard & Tallow)

Allbright-Nell Co. (For Lard & Oil Refining), 5315 Western av, Chicago, Ill.
ANDERSON V. D. CO. ("Anderson"), W 96th, Cleveland, O.
See adv index at end of book
Brecht Co. (Hydraulic Tankage), 1201 Cass av, St. Louis, Mo.
California Press Mfg. Co., 1800 Folsom, San Francisco, Cal.
Donaldson Bros., Mount Clemens, Mich.
DUNNING & BOSCHERT PRESS CO. INC., 379 W Water, Syracuse, N. Y.
See adv index at end of book
Enterprise Mfg. Co. of Pa., N 3d & Dauphin, Phila., Pa.
Griswold Mfg. Co. (Lard Only), Erie, Pa.
Hydraulic Press Mfg. Co. ("H.P.M." Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*

H-P-M HYDRAULIC PRESSES



Curb, Tankage, etc., for Butchers and Packers

HYDRAULIC PRESS MFG. CO.
24 Lincoln Avenue Mount Gilead, Ohio

Landers, Frary & Clark ("Universal"), New Britain, Conn.
Lansing Co. (Hand), Lansing, Mich.
OIL & WASTE SAVING MACHINE CO., Real Estate Trust bldg, Phila., Pa.
See adv index at end of book
Schriver O. P. & Co., 621 E Pearl, Cincinnati, O.
Silver Mfg. Co. (Lard), No. 256, Salem, O.
Thomas Albright Co. (Hydraulic), Goshen, Ind.
Wagner Mfg. Co., Sidney, Ohio
Wrightsville Hardware Co., Wrightsville, Pa.

11588a— Presses (Lead)

Elmes Chas. F. Engineering Works, cor Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Hydraulic Press Mfg. Co. ("H. P. M." Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*

11588b—Presses (Lead Molding)

HYDRAULIC PRESS MFG. CO., 24 Lincoln av, Mount Gilead, O.
See adv index at end of book
Southwark Foundry & Machine Co. (Lead Pipe, etc.), 1128 S. 4th, Phila., Pa.
See adv index at end of book

11588c—*Presses (Lead Seal)

MORRILL CHAS., INC. ("Apex." For seals not over ⅜" diameter or ⅜" thick. Interchangeable dies), 94 Lafayette, New York
See adv index at end of book
Porter Safety Seal Co., 163H W. Harrison, Chicago, Ill.

11589— Presses (Leather)

DUNNING & BOSCHERT PRESS CO. INC., 379 W Water, Syracuse, N. Y.
See adv index at end of book
Elmes Chas. F. Engineering Works (Leather Stretching), cor Fulton & Sangamon, Chicago, Ill. *See adv index at end of book*
Hydraulic Press Mfg. Co. ("H. P. M." Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Quirin Leather Press Co., Olean, N. Y.
Randall J. D. Co. (For Harness & Horse Collar Mfrs., etc.), 510 W Court, Cincinnati, O.
Sheridan T. W. & C. B. Co., 434 B'way, New York
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book
Thomas Albright Co. (Hydraulic for Pressing Out Moisture), Goshen, Ind.

11590-1— Presses (Lever)

BLISS CO. E. W. (Foot), 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Ferracute Machine Co. (For Sheet Metal), Bridgeton, N. J.
Leffler Chas. & Co. ("On Table," Toggle Lever Foot), 59 Clymer, Brooklyn, N. Y.
Niagara Machine & Tool Wks., Buffalo, N. Y.
Perrin W. R. & Co., 343H S Dearborn, Chicago, Ill.
SHUSTER F. B. CO., Cedar Hills, New Haven, Conn. *See adv index at end of book*
Stoll D. H. Co., 30 Lansing, Buffalo, N. Y.
See adv index at end of book
Swaine F. J. Mfg. Co. 7th & O'Fallon, St. Louis, Mo.
Woonsocket Machine & Press Co., Woonsocket, R. I.

11592—Presses (Linseed Oil)

ANDERSON V. D. CO. ("Anderson"), W 96th, Cleveland, O.
See adv index at end of book
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, Ohio
See adv index at end of book
Chambersburg Engineering Co., Chambersburg, Pa.
Elmes Chas. F. Engineering Works, cor Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
French Oil Mill Machinery Co., Piqua, O.
Hydraulic Press Mfg. Co. ("H. P. M." Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*
Platt Iron Works Co., Dayton, O.

11593—Presses (Lithographers')

Babcock Printing Press Mfg. Co., New London, Conn.
Cottrell C. B. & Sons Co., Westerly, R. I.
Fuchs & Lang Mfg. Co., 119 W 40th, New York
Hall Printing Press Co., Dunellen, N. J.
Harris Automatic Press Co. (Rotary Off Set), E 71st, Cleveland, O.
Hoe R. & Co., 504 Grand, New York
Premier & Potter Printing Press Mfg. Co., Shelton, Conn.
Providence Press Machinery Co. Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*
Scott Walter & Co. (Offset), Plainfield, N. J.
Wagner Chas. Machy. Co., Inc., 587 Hudson, New York

11593a— Presses (Machine)

Providence Press Machinery Co. Inc. ("Master"), 23d & 11th av, New York
See adv index at end of book
Terkelsen & Wennberg ("T. W." Seine-Automatic for Molding Electrical Insulation), 328A Boston, Mass.

Presses (Mandrel)

See Presses, Arbor

11594—Presses (Meat Juice)

DUNNING & BOSCHERT PRESS CO. INC., 379 W Water, Syracuse, N. Y.
See adv index at end of book
Hydraulic Press Mfg. Co. ("H. P. M." Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*
OSBORNE C. S. CO. ("Osborne"), Box 183, Newark, N. J.
See adv index at end of book
Providence Press Machinery Co. Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*

11594a— Presses (Metal Drawing)

BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Elmes Chas. F. Engineering Works, cor Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Hydraulic Press Mfg. Co. ("H. P. M." Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*
Loshbough Jordan Tool & Machine Co., Elkhart, Ind.
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Niagara Machine & Tool Wks., Buffalo, N. Y.
Providence Press Machinery Co. Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*
Rockford Iron Works, Race, Rockford, Ill.
Swaine Fred J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.
Williams, White & Co., 301 8th Moline, Ill.

11595— Presses (Mica)

DUNNING & BOSCHERT PRESS CO. INC., 379 W Water, Syracuse, N. Y.
See adv index at end of book

(Continued on following page)

Presses (Mica)—Continued

ELMES CHAS. F. ENGINEERING WKS., cor Fulton & Sangamon, Chicago, Ill.
See adv index at end of book

Hydraulic Press Mfg. Co. ("H. P. M." Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*

11596— Presses (Moisture)

ANDERSON V. D. CO. ("Anderson"), W 96th, Cleveland, O.
See adv index at end of book

Chambersburg Engineering Co., Chambersburg, Pa.

Presses (Molding)

See Molding Machines, Foundry

11597—Presses (Multiple Punching)

Adriance Machine Works Inc., 80 Richards, Brooklyn, N. Y.

BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book

Chambersburg Engineering Co., Chambersburg, Pa.

Ferracute Machine Co., Bridgeton, N. J.

Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.

Michigan Press Co., Ypsilanti, Mich.

Niagara Machine & Tool Wks., Buffalo, N. Y.

Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book

Williams, White & Co., 301 8th, Moline, Ill.

11597a—*Presses (Nosing)

Elmes Chas. F. Engineering Works, cor Fulton & Sangamon, Chicago, Ill.
See adv index at end of book

Hydraulic Press Mfg. Co., 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book

Providence Press Machinery Co. Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*

11598— Presses (Oleo)

Albright-Nell Co., 5315 Western av, Chicago, Ill.

Cardwell Machine Co., 1900 E. Cary, Richmond, Va.

DUNNING & BOSCHERT PRESS CO. INC., 379 W Water, Syracuse, N. Y.
See adv index at end of book

Hydraulic Press Mfg. Co. ("H. P. M." Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*

11599— Presses (Olive Oil)

Bianchi's Machine Shop, 221 Bay, San Francisco, Cal.

California Press Mfg. Co., 1800 Folsom, San Francisco, Cal.

DUNNING & BOSCHERT PRESS CO INC., 25 B'way, Syracuse, N. Y.
See adv index at end of book

Hydraulic Press Mfg. Co. ("H. P. M." Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*

Rebizzo M. & Co., 414 Broadway, San Francisco, Cal.

11600—Presses (Paper Box Cutting & Creasing)

Beck Chas Machine Co., 607 Chestnut, Phila., Pa.

Ferracute Machine Co., Bridgeton, N. J

Meisel Press Mfg. Co., 942 Dorchester av, Boston, Mass.

11601—Presses (Peanut Oil)

ANDERSON V. D. CO. ("Anderson"), W 96th, Cleveland, O.
See adv index at end of book

Buckeye Iron & Brass Works, Dayton, O.

Cardwell Machine Co., 1900 E. Cary, Richmond, Va.

Hydraulic Press Mfg. Co. ("H. P. M." Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*

11602— Presses (Perforating)

Adriance Machine Works Inc., 80 Richards, Brooklyn, N. Y.

Ams Max Machine Co. ("Ams"), 101 Park av, New York
See adv index at end of book

BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book

Ferracute Machine Co., Bridgeton, N. J.

Henry & Wright Mfg. Co. ("Wright"), 760 Windsor, Hartford, Conn.

Meriden Press & Drop Co. ("Merriman"), Meriden, Conn.

Niagara Machine & Tool Wks., Buffalo, N. Y.

Providence Press Machinery Co. Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*

Slaysman & Co., 801 E Pratt Baltimore, Md.

Swaine Fred J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.

Williams, White & Co., 301 8th, Moline, Ill.

11603— Presses (Pickeye Forging)

BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book

California Tool Works, 181 Beale, San Francisco, Cal.

Providence Press Machinery Co. Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*

11604—Presses (Pipe Straightening)

Hydraulic Press Mfg. Co. ("H. P. M." Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*

Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book

Southwark Foundry & Machine Co. (Hydraulic), 1128 S 4th, Phila., Pa.
See adv index at end of book

United Engineering & Foundry Co. (For 6 to 12 inch Pipe), Farmers' Bank bldg, Pittsburgh, Pa.

11605— Presses (Platen)

BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book

DUNNING & BOSCHERT PRESS CO., 379 W Water, Syracuse, N. Y.
See adv index at end of book

Hydraulic Press Mfg. Co. ("H. P. M." Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*

Lobdell Car Wheel Co., Wilmington, Del.

Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book

Loyster James A., 20 Church, Casenovia, N. Y.

McCall Machine Works, Rochester, N. Y.

Miller Saw Trimmer Co. ("Miller" Automatic Cylinder Feeders), Point bldg, Pittsburgh, Pa.

Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book

11605a—*Presses (Playing Card)

Adriance Machine Works, Inc., 80 Richards, Brooklyn, N. Y.

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

11605b—*Presses (Pneumatic Hydraulic)

PROVIDENCE PRESS MACHINERY CO. INC. ("Master"), Room 610, 110 W 40th, New York
See adv index at end of book

11606— Presses (Potato)

Silver & Co. ("Silver"), 304 Hewes, Brooklyn, N. Y.

11607—Presses (Pottery Printing)

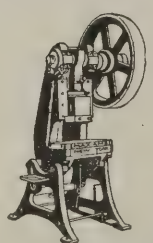
Logan Edw. Mach. Co. (Hand), Trenton, N. J.

11608— Presses (Power)

Adriance Machine Works (Sheet Metal, etc.), 80 Richards, Brooklyn, N. Y.

Alliance Machine Co. (Armature, Forging, Punching, etc), Alliance, O.

AMS MAX MACHINE CO. ("Ams") 101 Park av, New York
See adv index at end of book



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Branches: Chicago and London

Anderson Machine & Foundry Co., Anderson, S. C.

ANDERSON V. D. CO. ("Anderson"), W 96th, Cleveland, O.
See adv index at end of book

Automatic Machine Co., 113 E Wash., Bridgeport, Conn.

Ayars Machine Co. (For Can Making, etc), Salem, N. J.

Baird Machine Co., Stratford av, Bridgeport, Conn.

Bauroth E. F., Toledo, O.

Bertsch & Co. (Geared Punch, etc), Cambridge City, Ind.

Bethlehem Steel Co., South Bethlehem, Pa.

Birch & Birch (Blanking for Sheet Metal), Crawfordsville, Ind.

Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.

BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book

Brown F. S. & G. L. Machine Co., 26 E. Fort av, Baltimore, Md.

Buffalo Forge Co. (Shearing Metal), 490 B'way, Buffalo, N. Y.

Cady Machine Co., Cleveland, O.

Chambersburg Engineering Co., Chambersburg, Pa.

Cleveland Punch & Shear Works Co., 3917 St. Clair, Cleveland, O.
See adv index at end of book

Cleveland Stamping & Tool Co., E 53d & Hamilton, Cleveland, O.

Coulter & McKenzie Machine Co., 771 Water, Bridgeport, Conn.

Curtis & Marble Machine Co., Worcester, Mass.

Draher John, Waterbury, Conn.

Dreis & Krump Mfg. Co., 7420 S Loomis, Chicago, Ill.
See adv index at end of book

Dunning & Boschert Press Co. (Inc.), 379 W Water, Syracuse, N. Y.
See adv index at end of book

Excelsior Tool & Machine Co., 32d & Ridge, E St. Louis, Ill.

Falstrom & Tornquist Co. (For Corrugating Sheet Metal), Passaic, N. J.

Ferracute Machine Co., Bridgeton, N. J.

Garrison A. Foundry Co. (For Rolling Mills, etc), 901 Bingham, Pittsburgh, Pa.

General Mfg. Co. ("Flexible" Bending, Straightening, Forcing & Broaching), 6430 Farmsworth av, Detroit, Mich.

Gilro Machine Co., 2915 Ford, Oakland, Cal.

Grote F. Co. (For Tobacco), 120 3rd av, Evansville, Ind.

Heartley Machine, Variety Iron & Tool Works, 900 Summit, Toledo, O.

Henry & Wright Mfg. Co., 760 Windsor, Hartford, Conn.

Kane & Roach, Syracuse, N. Y.

Leffler Chas. & Co. (Sheet Metal Cans, Tinware, etc., in Ten Sizes), 59 Clymer, Brooklyn, N. Y.

Lippert & Rhenstrom, Kenosha, Wis.

Littell F. J. Machine Co. (Attachments for), 4125-7 Ravenswood av, Chicago, Ill.

Logemann Bros. Co. (Cutting), 3130 Burleigh, Milwaukee, Wis.

Loshbough Jordan Tool & Machine Co., Elkhart, Ind.

Loshbough & Jordan Tool & Machine Co., Elkhart, Ind.

LOURIE HYDRAULIC PRESS CO., Springfield, Ill. *See adv index at end of book*

Loyd John Co., 1 Franklin, New York

Lucas Machine Tool Co. ("Lucas" Power Forcing), 524 E 99th, Cleveland, O.

McDonald Machine Co., 3207 Shields av, Chicago, Ill.

Magutchan Roller Bearing Co., 35 W Lake, Chicago, Ill.

Manville E. J. Machine Co. (Single & Double Acting), Waterbury, Conn.

Marquette Tool & Mfg. Co., 321 W Ohio, Chicago, Ill.

Massilon Foundry & Machine Co. ("Massilion"), Massilion, O.

Meriden Press & Drop Co. ("Merriman" Punching), Meriden, Conn.

Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book

Michigan Press Co., Ypsilanti, Mich.

Mitchell Jno. R. Co., 702 S Washington, Baltimore, Md.

National Roll & Foundry Co., Avonmore, Pa.

New Doty Mfg. Co., Janesville, Wis.

NIAGARA MACHINE & TOOL WKS., ("Niagara"), Buffalo, N. Y.

Nilson A. H. Mach. Co., 525 Railroad av, Bridgeport, Conn.

Ohl Geo. A. & Co. (For Sheet Metal Workers), 159 Oraton, Newark, N. J.

Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.

Pawtucket Mfg. Co., Pawtucket, R. I.

PELS HENRY & CO., INC., 90 West, New York *See adv index at end of book*

Perkins Machine Co. ("Perkins" Punching, Forging, Dial, etc.), Warren, Mass.

Perrin Wm. R. & Co., 37 W Van Buren, Chicago, Ill.

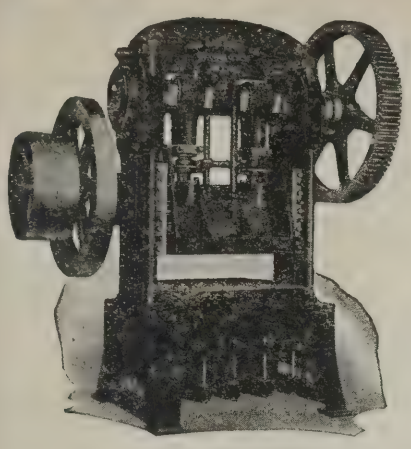
Pratt Wm. E. Mfg. Co., 15 W Lake, Chicago, Ill.

PROVIDENCE PRESS MACHINERY CO. INC. ("Master"), Room 610, 110 W 40th, New York
See adv index at end of book

Richard Mfg. Co., Bloomsburg, Pa.

Robinson J. M. Mfg. Co., 100 Carolina Ft., Cincinnati, O.

Rockford Iron Works ("Rockford," High Duty), Rockford, Ill.



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Seattle Astoria Iron Wks. (Die Presses for Salmon Canneries), 601H Myrtle, Seattle, Wash.
Seeger Machine Tool Co., 34 S Forsyth, Atlanta, Ga.
Sheridan T. W. & C. B. Co. (Cutting), 401 B'way, New York
Slaysman & Co. (Can Makers, etc), 801 E Pratt, Baltimore, Md.
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book
Springfield Machine Tool Co., Springfield, Ohio
Standard Machinery Co. (Single & Double Acting), Providence, R. I.
Standard Metal Work Co., Thompsonville, Conn.
STOLL D. H. CO. (For Sheet Metal, etc.), 30 Lansing, Buffalo, N. Y.
See adv index at end of book
Streine Tool & Mfg. Co. (Sheet Metal), New Bremen, Ohio
Strong, Carlisle & Hammond Co., 336-344 Frankfort av, N. W., Cleveland, O.
Swaine Fred J. Mfg. Co. (Punching), 7th & O'Fallon, St. Louis, Mo.
Toledo Foundry & Machine Co., Dept H, Toledo, O.
Toledo Machine & Tool Co. ("Toledo"), (Double Geared), Toledo, O.
Torrington Mfg. Co. (Single or Double Action Cam or Crank), Torrington, Conn.
United Engineering & Foundry Co., Farmers' Bank bldg, Pittsburgh, Pa.
V. & O. Press Co., Dry Harbor rd, Glendale Sta., N. Y.
Verdin, Kappes & Verdin Co. (Safety Clutch Control Devices), 108-110 W 2d av, Cincinnati, Ohio
Walsh Press & Die Co. (Double Crank Dies & Inclinable Open Back), 4709 W Kinzie, Chicago, Ill.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Wells Frank L. Co. (Multiple Power Punching), Kenosha, Wis.
Western Steel & Engineering Co. ("Giant"), 1535 Chestnut, San Francisco, Cal.
Wilcox Mfg. Co. (Horn Punch), 4824 W Lake, Chicago, Ill.
Williams, White & Co., 301 8th, Moline, Ill.
Zeh & Hahnemann Co. (Inclinable, Straight sided, etc), Vanderpool, Newark, N. J.

11609-10—Presses (Power Forcing)

See also Presses, Forcing

General Mfg. Co., 6430 Farmsworth av, Detroit, Mich.
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Lucas Machine Tool Co. ("Lucas"), 524 E 99th, Cleveland, O.
Providence Press Machinery Co. Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*

11611—Presses (Printers' Proof)

Chandler & Price Co. (Galley), 6000 Carnegie av, Cleveland, O.
Curie Mfg. Co., Inc., 429 Sacramento, San Francisco, Cal.
Damon Geo. & Sons, 44 Beekman, New York
Premier & Potter Printing Press Co. ("Potter" "Poco"), Shelton, Conn.

Presses (Printing)

See Printing Presses & Machinery

11612—Presses (Printing & Embossing)

National Machine Co. ("Hartford," Cutting & Creasing & "Hartford" Embossing), Church & Wthrsfld., Hartford, Conn.

11613—Presses (Projectile or Shell Banding, Hydraulic)

Hydraulic Press Mfg. Co. ("H. P. M."), 24 Lincoln av, Mount Gilead, Ohio
See adv index at end of book
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
Providence Press Machinery Co. Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*

11613a— Presses, (Proof)

Challenge Machinery Co. ("Challenge"), Grand Haven, Mich.

Presses (Punching)

See Presses, Power

11614—Presses (Punching, Hand Power)

Braun J. G., 609 S Paulina, Chicago, Ill.
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book

11615—Presses (Rail Straightening)

Alliance Machine Co., Alliance, O.
Chambersburg Engineering Co., Chambersburg, Pa.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Hydraulic Press Mfg. Co. ("H. P. M." Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*
Kane & Roach, Syracuse, New York
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Mackintosh-Hemphill Co., 12th & Etna, Pittsburgh, Pa.
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book
United Engineering & Foundry Co. ("Davy Bros."), Farmers Bank bldg, Pittsburgh, Pa.
Williams, White & Co., 301 8th, Moline, Ill.

11616— Presses (Reducing)

Adriance Machine Works Inc., 80 Richards, Brooklyn, N. Y.
Ams Max Machine Co., 101 Park av, New York *See adv index at end of book*
BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Chambersburg Engineering Co., Chambersburg, Pa.
Ferracute Machine Co., Bridgeton, N. J.
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.
NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y.
Perkins Machine Co., Warren. Mass.
Rockford Iron Works, Race, Rockford, Ill.
Standard Machinery Co., Providence, R. I.
Stoll D. H. Co., 30 Lansing, Buffalo, N. Y.
See adv index at end of book
V. & O. Press Co. ("V. & O."), Dry Harbor rd, Glendale Station, N. Y.
Williams, White & Co., 301 8th, Moline, Ill.
Zeh & Hahnemann Co., Vanderpool, Newark, N. J.

11617— Presses (Riveting)

Alliance Machine Co., Alliance, O
BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Chambersburg Engineering Co., Chambersburg, Pa.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Ferracute Machine Co., Bridgeton, N. J.
Hanna Engineering Works, 1764 Elston av, Chicago, Ill.
Hartley Machine, Variety Iron & Tool Works, 900 Summit, Toledo, O.
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Niagara Machine & Tool Wks., Buffalo, N. Y.
Perkins Machine Co., Warren. Mass.
Rockford Iron Works, Race, Rockford, Ill.
SOUTHWARK FOUNDRY & MACHINE CO. (Hydraulic & Pneumatic), 1128 S. 4th, Phila., Pa.
See adv index at end of book
Toledo Machine & Tool Co. ("Toledo"), Toledo, O.
Williams, White & Co. (Horizontal), Moline, Ill.

11618— Presses (Roll Feed)

Adriance Machine Works Inc., 80 Richards, Brooklyn, N. Y.
BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Henry & Wright Mfg. Co. ("Wright"), 760 Windsor, Hartford, Conn.
Leffler Chas & Co., 59 Clymer, Brooklyn, N. Y.

11619— Presses (Rotary)

Kidder Press Co. (All Kinds), Dover, N. H.
Stokes & Smith Co., Summerdale, Phila., Pa.

11620— Presses (Rubber)

Blymyer Iron Works Co. (For Pressing Crude Rubber Boles), Cincinnati, O.
Camden Iron Wks., Camden, N. J.
Chambersburg Engineering Co., Chambersburg, Pa.
Dunning & Boschert Press Co., Inc., 379 W Water, Syracuse, N. Y.
See adv index at end of book
HYDRAULIC PRESS MFG. CO. ("H. P. M." Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*
Southwark Foundry & Machine Co. (Hydraulic), 1128 S. 4th, Phila., Pa.
See adv index at end of book
Vaughn Machinery Co., Cuyahoga Falls, O

11621—Presses (Salt Compressing)

Bethlehem Steel Co., Bethlehem, Pa.
California Press Mfg. Co., 1800 Folsom, San Francisco, Cal.
Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Dunning & Boschert Press Co., Inc., 25 B'way, Syracuse, N. Y.
See adv index at end of book
HYDRAULIC PRESS MFG. CO. ("H. P. M." Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book

11622—Presses (Scrap Metal)

See also Presses, Baling, Metal Scrap
Bethlehem Steel Co. Bundling), Bethlehem, Pa.

(Continued on following page)

Presses (Scrap Metal)—Continued

DUNNING & BOSCHERT PRESS CO., 371 W Water, Syracuse, N. Y.
See adv index at end of book

Famous Mfg. Co. (Pressed into Cubes), East Chicago, Ind.

GALLAND-HENNING MFG. CO., 26th av & Montana, Milwaukee, Wis.
See adv index at end of book

HYDRAULIC PRESS MFG. CO., 24 Lincoln av, Mount Gilead, O.
See adv index at end of book

Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book

11623— Presses (Screw)

American Process Co. (Automatic, Continuous), 68 William, New York

Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.

Barnes W. F. & John Co. ("Barnes" Adjustable for Machine Shops), Rockford, Ill.

Bates Elevator Co., 211 Preston, Baltimore, Md.

BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book

California Press Mfg. Co., 1800 Folsom, San Francisco, Cal.

Cardwell Machine Co., 1900 E Cary, Richmond, Va.

Dennis John Machine Co. (For Hot Pressing), Lowell, Mass.

DUNNING & BOSCHERT PRESS CO. INC. (Power), 25 Broadway, Syracuse, N. Y. *See adv index at end of book*

Elmes Chas. F. Engng. Wks., Fulton & Sangamon, Chicago, Ill.
See adv index at end of book

Ferracute Machine Co., Bridgeton, N. J.

Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.

General Mfg. Co., 6430 Farmsworth av, Detroit, Mich.

Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.

Kimmerle Bros. ("Kimkin"), 683 Golden Gate av, San Francisco, Cal.

Leffler Chas. & Co. (Sheet Metal), 59 Clymer, Brooklyn, N. Y.

Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book

Lovewell-Henrici Co., Chelsea, Mass.

Loyd Jno. Co., 1 Franklin, New York

Manley Mfg. Co., York, Pa.

Nashua Steam Press & Boiler Wks., **Nashua, N. H.**

New Doty Mfg. Co., Janesville, Wis.

Niagara Machine & Tool Wks., Buffalo, N. Y.

Perkins Machine (Hand & Power), Warren, Mass.

Perrin W. R. & Co., 343 S Dearborn, Chicago, Ill.

Philadelphia Drying Machinery Co. ("Hurricane," Power), 3351 Stokley, Phila., Pa.

Providence Press Machinery Co. Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*

Renneburg E. & Sons Co. (Continuous), 2639 Boston, & Lakewood, Baltimore, Md.

Robinson J. M. Mfg. Co., 106 Carolina Ft, Cincinnati, O.

Smith, Drum & Co. (Power), Allegheny av & 5th, Phila., Pa.

Standard Machinery Co., Providence, R. I.

Standard Metal Work Co., Thompsonville, Conn.

Steeher Chas. Co. (Arch Screw for Testing Out All Kinds of Cutting, Stamping, Embossing & Forming Dies), 1530 Crossing, Chicago, Ill.

Stoll D. H. Co., 30 Lansing, Buffalo, N. Y.
See adv index at end of book

Swaine F. J. Mfg. Co. (Arch, etc.), 7th & O'Fallon, St. Louis, Mo.

Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

Western Steel & Engineering Co. ("Giant"), 1535 Chestnut, San Francisco, Cal.

11624— Presses (Seal)

American Stamp Mfg. Co., 85 John, New York

Ashbery Henry C., 285 Washington, Buffalo, N. Y.

Century Rubber Stamp Works, 551 Pearl, New York

Dickey Grabler Works, W Madison & 103rd, Cleveland, Ohio

Fairmount Tool & Forging Co., 10611 Quincy, Cleveland, Ohio

Gibson A. C. Co. (Car, Corporation, Notary, etc.), 340 Washington, Buffalo, N. Y.

Handlan-Buck Mfg. Co. ("Handlan"), 210-14 N 3d, St. Louis, Mo.

Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa.
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Moise-Klinckner Co., 369 Market San Francisco, Cal.

MORRILL CHAS., INC. ("Morrill" & "Apex" for Impressing Lead Seals "not over 9/16" diameter or ⅜" thick, Interchangeable dies"), 94 Lafayette, New York *See adv index at end of book*

Moss Samuel H., 36 E 23d, New York

Moss Theo. Co., Inc. ("Themco"), 349 Adams, Brooklyn, N. Y.

Murdock W. Jas. Co., 116 Opera pl, Cincinnati, O.

Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.

Porter Safety Seal Co. (For Bag & Packing), 163H W. Harrison, Chicago, Ill.

Schwerdtle Stamp Co., 43 Cannon, Bridgeport, Conn.

Sigwalt Mfg. Co. ("Sigwalt," "Star," "Maas," "Lion Head," "Long Reach," "County," "Consular," "Jewell"), 3658 Armitage, Chicago, Ill.

Smith R. H. Mfg. Co. ("Bay State"), Springfield, Mass.

Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.

Spokane Stamp Works, Spokane, Wash.

Stewart R. A. & Co., 80 Duane, New York

Universal Stamp Works, 285 Market, Newark, N. J.

Utica Drop Forge & Tool Co., Utica, N. Y.

Presses (Sewer Pipe)

See Sewer Pipe Machinery

11625—Presses (Shaft Straightening)

See also Shaft Straightening Machines
Also Presses, Straightening

Brightman Mfg. Co., Columbus, O.

General Mfg. Co., 6430 Farmsworth av, Detroit, Mich.

Hydraulic Press Mfg. Co. ("H. P. M." Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*

Logemann Bros. Co. (Also Pipe & Bar), 3130 Burleigh, Milwaukee, Wis.

Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book

Metalwood Mfg. Co., Leit & Wright, Detroit, Mich.

Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book

11626— Presses (Sheepskin)

DUNNING & BOSCHERT PRESS CO. INC., 379 W Water, Syracuse, N. Y.
See adv index at end of book

Hydraulic Press Mfg. Co. ("H. P. M." Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*

Thomas Albright Co. (Hydraulic), Goshen, Ind.

11627—Presses (Sheet Metal Working)

See also Sheet Metal Workers' Machines & Tools

Adriance Machine Works Inc., 80 Richards, Brooklyn, N. Y.

AMS MAX MACHINE CO. ("Ams"), 101 Park av, New York
See adv index at end of book

BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book

Chambersburg Engineering Co., Chambersburg, Pa.

Ferracute Machine Co., Bridgeton, N. J.

Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.

Gilro Machine Co., 2915 Ford, Oakland, Cal.

Henry & Wright Mfg. Co. ("Wright"), 760 Windsor, Hartford, Conn.

Hydraulic Press Mfg. Co., 24 Lincoln av, Mount Gilead, Ohio
See adv index at end of book

Leffler Chas. & Co. (Power), 59 Clymer, Brooklyn, N. Y.

Loshbough Jordan Tool & Machine Co., Elkhart, Ind.

Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book

Meriden Press & Drop Co. ("Merriman"), Meriden, Conn.

Niagara Machine & Tool Wks., Buffalo, N. Y.

Perkins Machine Co., Warren, Mass.

Providence Press Machinery Co., Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*

Rockford Iron Works, Race, Rockford, Ill.

Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*

Slaysman & Co., 801 E Pratt, Baltimore, Md.

Southwark Foundry & Machine Co., 1128 S. 4th, Phila., Pa.
See adv index at end of book

Swaine Fred J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.

Zeh & Hahnemann Co., Vanderpool, Newark, N. J.

11628— Presses (Shook)

Chase Turbine Mfg. Co. (Power Driven for Driving Together the Mortised Edges of Shooks on Boxes), Orange, Mass.

11629— Presses (Signature)

Hickok W. O. Mfg. Co., Harrisburg, Pa.

Sheridan T. W. & C. B. Co., 401 Broadway, New York

11630—*Presses (Silver Refiners')

Elmes Chas. F. Engineering Works, cor Fulton & Sangamon, Chicago, Ill.
See adv index at end of book

Providence Press Machinery Co., Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*

11631— Presses (Skein)

Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book

Williams, White & Co., 301 8th, Moline, Ill.

11632—Presses (Soap Makers')

See also Soap Makers' Machinery

Brown & Patterson, 38 Marcy av, Brooklyn, N. Y.

Houchin Aiken Co., 118 53d, Brooklyn, N. Y.

Hydraulic Press Mfg. Co. ("H. P. M." Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*

Sowers Mfg. Co., 1320 Niagara, Buffalo, N. Y.

11633-4— *Presses (Solder)

Donoghue James, Cleveland, O.

ELMES CHAS. F. ENGINEERING WKS., cor. Fulton & Sangamon, Chicago, Ill.
See adv index at end of book

Presses (Sprue)

See Cutters, Sprue, Foot & Power

11635— Presses (Stamping)

Adriance Machine Works ("Adriance"), 80 Richards, Brooklyn, N. Y.

Aldrich Pump Co., Allentown, Pa.

AMS MAX MACHINE CO. ("Ams"), 101 Park av, New York
See adv index at end of book

Baird Machine Co., Stratford av, Bridgeport, Conn.

BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book

Carver C. R. Co., 20th & Clearfield, Phila., Pa.

Chambersburg Engineering Co., Chambersburg, Pa.

East Iron & Machine Co., 351 E Market, Lima, O.

Ferracute Machine Co., Bridgeton, N. J.

Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.

Henry & Wright Mfg. Co. ("Wright"), 760 Windsor, Hartford, Conn.

Hickok W. O. Mfg. Co., Harrisburg, Pa.

Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y.

Logemann Bros. Co., 3130 Burleigh, Milwaukee, Wis.

Loshbough Jordan Tool & Machine Co., Elkhart, Ind.

Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book

Michigan Press Co., Ypsilanti, Mich.

Niagara Machine & Tool Wks., Buffalo, N. Y.

Octigan Drop Forge Co. ("Octigan"), 2428 Lowe av, Chicago, Ill.

Providence Press Machinery Co., Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*

Rockford Iron Works, Race, Rockford, Ill.

Slaysman & Co., 801 E Pratt, Baltimore, Md.

Southwark Foundry & Machine Co., 1128 S. 4th, Phila., Pa.
See adv index at end of book

STOLL D. H. CO., 30 Lansing, Buffalo, N. Y. *See adv index at end of book*

Swaine F. J. Mfg. Co. (Sheet Metal), 7th & O'Fallon, St. Louis, Mo.

Toledo Machine & Tool Co. ("Toledo" Sheet Metal), Toledo, O.

Traylor Engineering & Manufacturing Co., Allentown, Pa.

Williams, White & Co., 301 8th, Moline, Ill.

Zeh & Hahnemann Co., Vanderpool, Newark, N. J.

11636— Presses (Starch)

DUNNING & BOSCHERT PRESS CO. INC., 379 W Water, Syracuse, N. Y.
See adv index at end of book

Elmes Chas. F. Engng. Wks., Fulton & Sangamon, Chicago, Ill.
See adv index at end of book

Thomas Albright Co. (Hydraulic, for Lump Starch), Goshen, Ind.

11637—Presses (Stationers' Embossing)

See also Presses, Embossing

Carver C. R. Co., 20th & Clearfield, Phila., Pa.

11638-9—Presses (Steam, Hydraulic)

Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book

Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book

Southwark Foundry & Machine Co., 1128 S. 4th, Phila., Pa.
See adv index at end of book

United Engineering & Foundry Co., Farmers' Bank bldg, Pittsburgh, Pa.

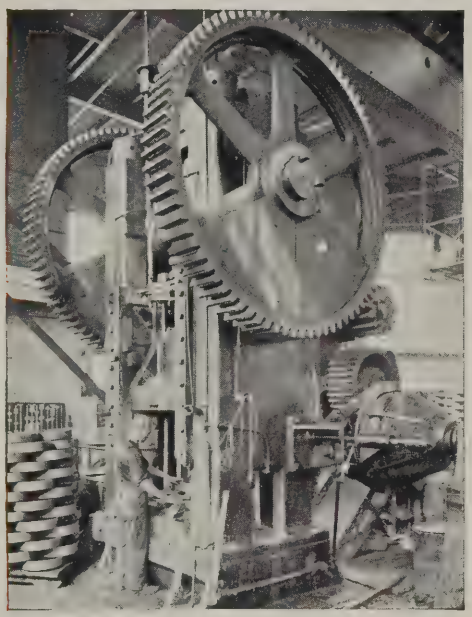
POWER "BLISS" PRESSES

DIES—SHEARS DROP HAMMERS

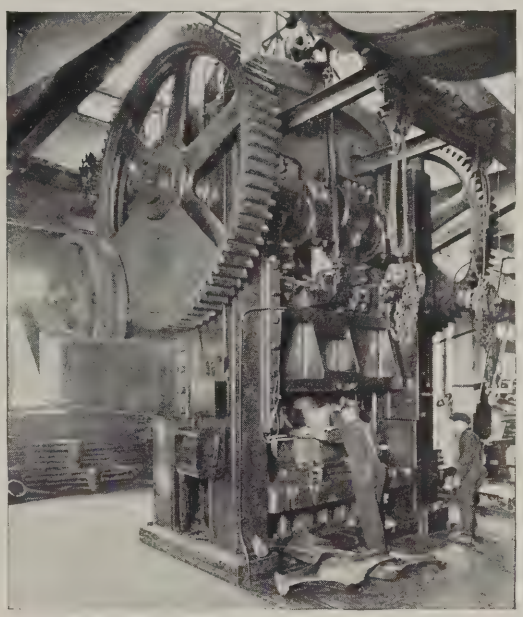
SHEET METAL WORKING MACHINERY

NAIL MACHINERY—ROLLING MILLS—SPECIAL MACHINERY
CAN MAKING MACHINERY

BLISS 1857

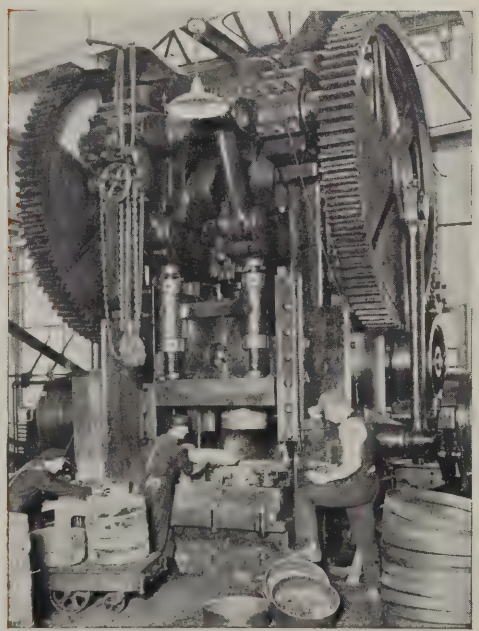


"BLISS" STRAIGHT SIDE PRESSES—Built in a large number of sizes with solid or tie rod frames, and weighing from 1,500 to 450,000 lbs. For heavy stamping, punching, cutting, piercing and trimming.



"BLISS" DOUBLE CRANK PRESSES—Built in over 150 types and sizes. Weights range from 3,000 to 600,000 lbs. Adapted for heavy stamping, punching, cutting, piercing and trimming of large dimensions.

BLISS 1925



"BLISS" TOGGLE DRAWING PRESSES—Built in over 20 sizes, weighing from 5,600 to 300,000 lbs. For drawing shells from all kinds of sheet metal.



Patented

"BLISS" DOUBLE-CRANK TOGGLE DRAWING PRESSES—Built in 40 sizes, adapted for heavy drawing and forming of large articles. Weights, 15,000 to 550,000 lbs.

BLISS 1857

E. W. BLISS CO. MAIN OFFICE AND WORKS 53d STREET AND BLISS AVENUE BROOKLYN, N. Y., U. S. A.

SALES OFFICES DETROIT Dime Bank Bldg. | CLEVELAND Cleve. Disc. Bldg. | CHICAGO London Guar. & Acc. Bldg. | PITTSBURGH Oliver Bldg. | CINCINNATI Union Trust Bldg. | NEW HAVEN 2nd Nat'l Bank Bldg. | ROCHESTER Times Union Bldg. | PHILA. Pa. Bldg.

American Factories: BROOKLYN, N. Y. HASTINGS, MICH. CLEVELAND, OHIO SALEM, OHIO

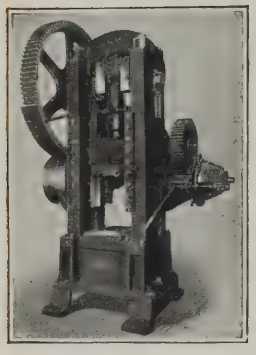
FOREIGN SALES OFFICES AND FACTORIES

ENGLAND, Pocock St., Blackfriars Rd., S. E., London | ITALY, 345 Via Nizza, Turin | FRANCE, 54 Blvd. Victor-Hugo, St. Ouen, sur Seine, Paris

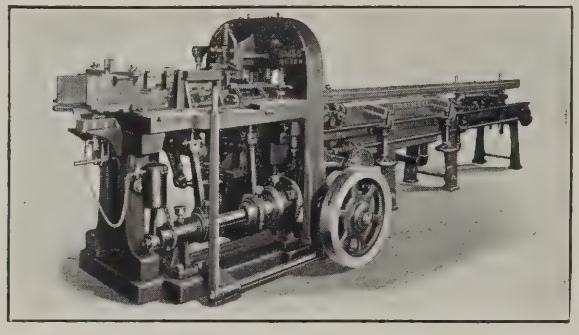
POWER "BLISS" PRESSES

DIES—SHEARS DROP HAMMERS

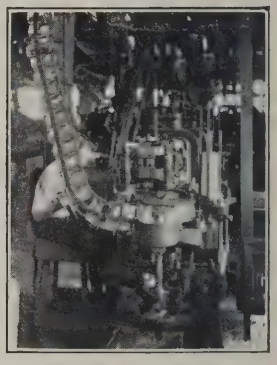
SHEET METAL WORKING MACHINERY
ROLLING MILLS—NAIL MACHINERY
CAN MAKING MACHINERY
SPECIAL MACHINERY



"BLISS" REDUCING PRESSES — For reducing cups or shells previously cut and formed in double-action presses, and for drawing and forming. Many sizes.



"BLISS" AUTOMATIC CAN BODY-MAKERS—Shown with Precision Feed and Roll Solder attachment. One of a number of types and sizes covering a wide range for Sanitary Can production.



"BLISS PACIFIC"—No. 81 Double Seamer. Speed, 165 cans per minute. Correctly designed, rigidly constructed, absolutely dependable.

Catalogues on Request

1857

Section

1. Clutches and Slide Connections.
2. "Bliss" Inclinable Power Presses.
3. Overhanging and Arch Power Presses.
4. Horning, Wiring and Lock-Seaming Presses.
5. "Stiles" Punching Presses.
6. Straight-Side, Embossing and Reducing Presses.
7. Trimming Presses—Single- and Double-Crank Straight-Side and Overhanging.

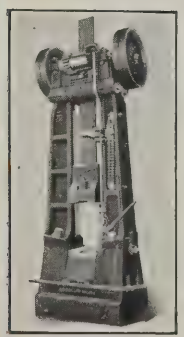
Section

8. Drop Hammers.
9. Double-Crank Presses.
10. Perforating Presses and Multiple Punches.
11. Cam and Toggle-Drawing Presses and Spinning Lathes.
12. Automatic Feeds and Presses with feeds.
13. Foot and Screw Presses.
14. Trimming, Beading, Wiring, Flanging and Thread-Rolling Machines.

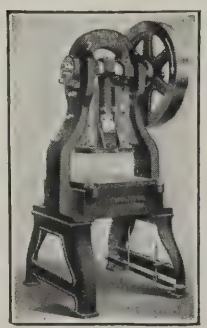
Section

15. Double-Seaming Machines.
16. Shears and Slitters.
17. Horse - Shoe Machinery. Double - Edging Machines, Wire-Ring Machines, Smoothing Rolls, Formers and Beaders, Special Machinery.
18. Automatic Can - Making Machinery.
19. Petroleum Can Machinery.

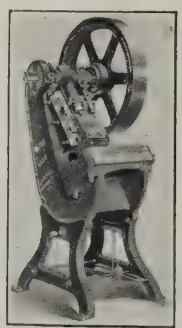
1925



"BLISS" DROP HAMMERS — Built with either geared or gearless lifters. Weights of hammer heads 100 to 3,000 pounds.



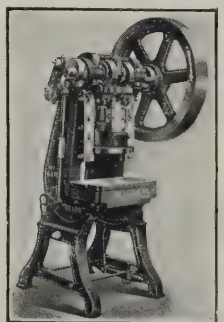
"BLISS" POWER PRESSES — Weighing from 3,000 to 5,400 lbs., also built with gearing. Adapted for many operations in the manufacture of pieced tinware, ironware, etc.



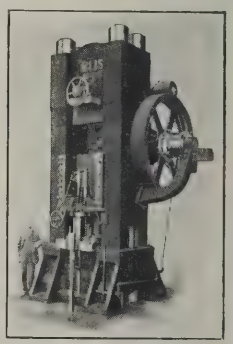
"BLISS" INCLINABLE POWER PRESSES —18 sizes, weighing from 500 to 8,000 lbs. Adapted for tin, sheet-brass, sheet-steel work, etc.



"STILES" PUNCHING PRESSES—11 sizes, weighing from 550 to 13,000 lbs. Adapted for the manufacture of general hardware, electrical goods, etc.



"BLISS" DOUBLE-ACTION PRESSES—Built in 20 sizes, weighing from 750 to 32,000 lbs. Used in cutting and drawing shells in tin, brass, zinc, copper, aluminum, and steel.



"BLISS" KNUCKLE JOINT EMBOSSING PRESSES—Built in 9 sizes for pressures from 100 to 1,500 tons. One-piece frames on smallest sizes. Built up, tie-rod frames on largest.

E. W. BLISS CO. MAIN OFFICE AND WORKS 53d STREET AND BLISS AVENUE BROOKLYN, N. Y., U. S. A.

SALES OFFICES DETROIT, Dime Bank Bldg. · CLEVELAND, Cleve. Disc. Bldg. · CHICAGO, London Guar. & Acc. Bldg. · PITTSBURGH, Oliver Bldg. · CINCINNATI, Union Trust Bldg. · NEW HAVEN, 2nd Nat'l Bank Bldg. · ROCHESTER, Times Union Bldg. · PHILA., Pa. Bldg.

American Factories: BROOKLYN, N. Y. HASTINGS, MICH. CLEVELAND, OHIO SALEM, OHIO

FOREIGN SALES OFFICES AND FACTORIES

ENGLAND, Pocock St., Blackfriars Rd., S. E., London · ITALY, 345 Via Nizza, Turin · FRANCE, 54 Blvd. Victor-Hugo, St. Ouen, sur Seine, Paris

11640—Presses (Stearic Acid)

DUNNING & BOSCHERT PRESS CO. INC., 25 Broadway, Syracuse, N. Y.
See adv index at end of book

Hydraulic Press Mfg. Co. ("H. P. M." Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*

11641— Presses (Stearine)

DUNNING & BOSCHERT PRESS CO. INC., 379 W Water, Syracuse, N. Y.
See adv index at end of book

Platt Iron Works Co. (Hydraulic), Dayton, Ohio

11642—Presses (Steel Forming)

Detroit Steel Casting Co., 4069H Michigan, Detroit, Mich.

DREIS & KRUMP MFG. CO., 7420 Loomis st, Chicago, Ill.
See adv index at end of book

Elmes Chas. F. Eng. Wks. Inc., cor. Fulton & Sangamon, Chicago, Ill.
See adv index at end of book

Henry & Wright Mfg. Co. ("Wright"), 760 Windsor, Hartford, Conn.

Providence Press Machinery Co. Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*

Williams, White & Co., 301 8th, Moline, Ill.

11642a—*Presses (Straight Sided)

Cleveland Punch & Shear Works, 3917 St. Clair av, Cleveland, O.
See adv index at end of book

11643—Presses (Straightening)

Bethlehem Steel Co., Bethlehem, Pa.

Chambersburg Engineering Co. (Hydraulic), Chambersburg, Pa.

Continental Auto Parts Co. ("Continental), 2207 E 17th, Columbus, Ind.

Elmes Chas. F. Engng. Wks., Fulton & Sangamon, Chicago, Ill.
See adv index at end of book

Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.

Geier P. A. Co. ("Geier" Bench Sstraightening Press & Centers), Cleveland, O.

General Mfg. Co., 6430 Farmsworth av, Detroit, Mich.

HYDRAULIC PRESS MFG. CO. ("H. P. M." Hydraulic), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book

Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book

Morse Twist Drill & Machine Co. ("Morse") (For Round or Flat Stock), New Bedford, Mass.

Noyes B. B. Co. ("Little Giant" Bench Hand Power), Greenfield, Mass.

Southwark Foundry & Machine Co. (Rail Axle, Shaft, etc., Hydraulic), 1128 S. 4th, Phila., Pa.
See adv index at end of book

Springfield Machine Tool Co. (Bench Straightening), Springfield, O.

WATSON-STILLMAN CO. (Hydraulic), 38 Church, New York
See adv index at end of book

Williams, White & Co., 301 8th, Moline, Ill.

11643a— *Presses (Sub)

BLAKE & JOHNSON CO., 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book

Presses (Sugar Filtering)

See Filters, Mechanical

11644— Presses (Tan Bark)

Turner Tanning Machinery Co. ("Turicer" for Tanneries), Peabody, Mass.

11645— Presses (Tankage)

Chambersburg Engineering Co., Chambersburg, Pa.

DUNNING & BOSCHERT PRESS CO. INC., 25 Broadway, Syracuse, N. Y.
See adv index at end of book

Hydraulic Press Mfg. Co. ("H. P. M." Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*

Thomas Albright & Co., Dept. H, Goshen, Ind.

11646—Presses (Ticket Printing)

Kidder Press Co. (Flat & Rewound Delivery), Dover, N. H.

Meisel Press Mfg. Co. (Transfers, Strip or Mileage), 941 Dorchester av, Boston, Mass.

Rand, McNally & Co., 538 S Clark, Chicago, Ill.

Wrigley Thos. Co. ("Wrigley" Patent Local), 504 Sherman), Chicago, Ill.

11647—Presses (Tile & Porcelain)

Elmes Chas. F. Engng. Wks., Fulton & Sangamon, Chicago, Ill.
See adv index at end of book

HYDRAULIC PRESS MFG. CO. ("H. P. M." Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*

Mueller Machine Co., Trenton, N. J.

Providence Press Machinery Co. Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*

Southwark Fdry. & Mach. Co. (Tile). 1128 S 4th, Phila., Pa.
See adv index at end of book

11648— Presses (Tincture)

DUNNING & BOSCHERT PRESS CO. INC., 25 Broadway, Syracuse, N. Y.
See adv index at end of book

Enterprise Mfg. Co. of Pa., 3d & Dauphin, Phila., Pa.

11649— Presses (Tin Printing)

Hoe R. & Co., 504 Grand, New York

Premier & Potter Printing Press Mfg. Co. (Rotary), Shelton, Conn.

11649a—Presses (Tip Printing & Embossing)

Rau Enamel, 30 Church, New York

11649b— Presses (Tire Applying)

Dunning & Boschert Press Co., Inc., 379 W. Water, Syracuse, N. Y.
See adv index at end of book

HYDRAULIC PRESS MFG. CO. ("H. P. M." Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*

Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book

Southwark Foundry & Machine Co. (Hydraulic), 1128 S 4th, Phila., Pa.
See adv index at end of book

Williams Foundry & Machine Co., Akron, O. *See adv index at end of book*

11649c— Presses (Tire Forcing)

Aldrich Pump Co., ft of Pine, Allentown, Pa.

California Press Mfg. Co., 1800 Folsom, San Francisco, Cal.

Dunning & Boschert Press Co., Inc., 379 W. Water, Syracuse, N. Y.
See adv index at end of book

Elmes Chas. F. Engng. Wks., Fulton & Sangamon, Chicago, Ill.
See adv index at end of book

Hydraulic Press Mfg. Co., 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book

H-P-M HYDRAULIC TRUCK TIRE FORCING PRESSES



Heavy Duty Types

HYDRAULIC PRESS MFG. CO.
24 Lincoln Avenue Mount Gilead, Ohio

Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book

Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book

Presses (Tire Welding)

See Tire Welding Machines

Presses (Tissue Paper Printing)

See Presses, Wrapping & Tissue Paper Printing

11650— Presses (Tobacco)

Cardwell Machine Co., 1900 E Cary, Richmond, Va.

Cutaway Harrow Co., Higganum, Conn.

Grote F. Mfg. Co. ("Grote"), 120 3rd av, Evansville, Ind.

Hydraulic Press Mfg. Co. ("H. P. M." Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*

Lacy Jas. C. Co. (Screw), Block & Wills, Baltimore, Md.

Nagley Mfg. Co., Lyons, N. Y.

Ripley Foundry & Machine Co. ("Parker" Portable, "Russell" Split Nut Hand Power & Hydraulic Hogshead), Ripley, O.

11651— Presses (Toggle)

Ams Max Machine Co. ("Ams"), 101 Park av, New York
See adv index at end of book

BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book

DUNNING & BOSCHERT PRESS CO. INC., 25 Broadway, Syracuse, N. Y.
See adv index at end of book

Ferracute Machine Co., Bridgeton, N. J.

King R. D. (Attachments), 51 W Jackson, Chicago, Ill.

Niagara Machine & Tool Wks. (Toggle Draw), Buffalo, N. Y.

Poorman O. O. Co., New Bremen, O.

Providence Press Machinery Co. Inc. ("Master"), 23d & 11th av, New York
See adv index at end of book

STOLL D. H. CO. (Double Crank), 38 Lansing, Buffalo, N. Y.
See adv index at end of book

Toledo Machine & Tool Co. ("Toledo"), Toledo, O.

Turner Tanning Machinery Co. ("Turner"), (For Belt Mfrs., Hand & Belt Power), Peabody, Mass.

11652— Presses (Toggle Drawing)

See also Presses, Drawing; also Presses, Power

BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book

Niagara Machine & Tool Wks., Buffalo, N. Y.

Providence Press Machinery Co. Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*

Toledo Machine & Tool Co., Dorr & N. Y. C. R. R., Toledo, Ohio

11653— Presses (Trap)

Elmes Chas. F. Engng. Wks., Fulton & Sangamon, Chicago, Ill.
See adv index at end of book

11654— Presses (Treadle)

BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book

Ferracute Machine Co. (Sheet Metal), Bridgeton, N. J.

Providence Press Machinery Co. Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*

Rockford Iron Works, Race, Rockford, Ill.

Slaysman & Co. (Can Makers), 801 E Pratt, Baltimore, Md.

11655— Presses (Trimming)

Adriance Machine Works, 80 Richards, Brooklyn, N. Y.

Ams Max Machine Co., 101 Park av, New York

Baird Machine Co., Stratford av, Bridgeport, Conn.

Billings & Spencer Co. ("B. & S."), Hartford, Conn.

BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book

Chambersburg Engineering Co., Chambersburg, Pa.

Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book

Danville Iron & Steel Co. (Alligator), Danville, Pa.

Ferracute Machine Co. (For Sheet Metal), Bridgeton, N. J.

Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.

Heartley Machine, Variety Iron & Tool Works, 900 Summit, Toledo, O.

KLING BROS. ENGINEERING WORKS, 1300 N Kostner av, Chicago, Ill.
See adv index at end of book

Massilon Fdry. & Machine Co. ("Massillon"), Massilon, Ohio

Meriden Press & Drop Co. ("Merriman" for Forging & Hot Trimming), Meriden, Conn.

MERRILL BROS., 3 Arnold, Maspeth, Boro. of Queens, New York
See adv index at end of book

Niagara Machine & Tool Wks., Buffalo, N. Y.

Pawtucket Mfg. Co. (Automatic), Pawtucket, R. I.

Perkins Machine Co. (For Drop Forgings, etc), Warren, Mass.

Rockford Iron Works, Race, Rockford, Ill.

Southwark Foundry & Machine Co., 1128 S. 4th, Phila., Pa.
See adv index at end of book

Toledo Machine & Tool Co. ("Toledo" Power), Toledo, O.

United Engineering & Foundry Co., Keenan bldg, Pittsburgh, Pa.

Waterbury Farrel Foundry & Machine Co. (Punching & Trimming), Waterbury, Conn.

Williams, White & Co., 301 8th, Moline, Ill.

11655a— *Presses (Trunk)

Elmes Chas. F. Engng. Wks., Fulton & Sangamon, Chicago, Ill.
See adv index at end of book

11656— Presses (Tufting)

Hydraulic Press Mfg. Co. (For Carriage Mfrs.), 24 Lincoln av, Mount Gilead, Ohio *See adv index at end of book*

11657—Presses (Type Embossing)

Oliver Machinery Co., Grand Rapids, Mich.

Roovers Bros. ("Roovers," for Pattern Letter Plates, Tags, Labels, etc), 100 Schermerhorn, Brooklyn, N. Y.

Presses (Unbaling)

See Presses, Tie Removing.

11658— Presses (Veneer)

American Woodworking Machinery Co., Rochester, N. Y.

Black Mfg. Co. (Power), Mendota, Ill.

(Continued on following page)

Presses (Veneer)—Continued

Chambersburg Engineering Co., Chambersburg, Pa.
DUNNING & BOSCHERT PRESS CO. INC., 25 Broadway, Syracuse, N. Y.
See adv index at end of book
Elmes Chas. F. Engng. Wks., Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn.
See adv index at end of book
Francis Chas. E. Co. (Hydraulic & Screw), Rushville, Ind.
Gerdes & Co., 42 Church, New York
See adv index at end of book
Handy Mfg. Co., 29 E Madison, Chicago, Ill.
Hydraulic Press Mfg. Co., 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book

H-P-M HYDRAULIC VENEER PRESSES



Open End or Side Types
HYDRAULIC PRESS MFG. CO.
24 Lincoln Avenue Mount Gilead, Ohio

Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Kline Lewis T., Alpena, Mich.
Merritt Mfg. Co., Lockport, N. Y.
Smith H. B. Machine Co., Smithville, N. J.
Towsley John T. Mfg. Co., Cincinnati, O.

11659—Presses (Vulcanizing)

Allen Machine Co. (Hydraulic), Erie, Pa.
Chambersburg Engineering Co., Chambersburg, Pa.
Crossley Machine Co., State & Chestnut av, Trenton, N. J.
DUNNING & BOSCHERT PRESS CO. (INC.), 379 W Water, Syracuse, N. Y.
See adv index at end of book
Elmes Chas. F. Engineering Works (Hydraulic), cor. Fulton & Sangamon, Chicago, Ill. *See adv index at end of book*
Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn.
See adv index at end of book
HYDRAULIC PRESS MFG. CO. ("H. P. M." Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*
Logemann Bros. Co., 3130 Burleigh, Milwaukee, Wis.
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Metalwood Mfg. Co., Dept H, Leib & Wight, Detroit, Mich.
Perrin W. R. & Co. (Hydraulic), 343 S Dearborn, Chicago, Ill.
SOUTHWARK FOUNDRY & MACHINE CO., 1128 S 4th, Phila., Pa.
See adv index at end of book
Thropp Wm. R. & Sons Co. (Hydraulic), Trenton, N. J.
Vaughn Machinery Co. (Hydraulic Rubber), Cuyahoga Falls, Ohio
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, Ohio
Williams Foundry & Machine Co. (Hydraulic "Akron-Williams"), Akron, Ohio *See adv index at end of book*

Akron-Williams Vulcanizing Presses are made in standard sizes or of special design. Furnished with or without hydraulic principle. Write for complete rubber factory equipment catalog.

THE WILLIAMS FOUNDRY & MACHINE CO.,
Akron, Ohio, U. S. A.

WOOD R. D. & CO., 400 Chestnut, Phila., Pa.

11660— Presses (Warp)

Liddell Co., Charlotte, N. C.

11661—Presses (Waste Oil)

Strong Machinery & Supply Co. ("Economy" & "Eclipse"), 292-294 Church, New York *See adv index at end of book*

11662—Presses (Watch & Clock Makers')

Blake & Johnson Co. (Arch or Pillar), 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Providence Press Machinery Co. Inc. ("Master"), Room 610, 110 W 40th, New York *See adv index at end of book*

11663—Presses (Wax Testing)

Bethlehem Shipbuilding Corp., Ltd. (& Molding), Dept H, Broadhead & Parker av, Bethlehem, Pa.
Moore Sam. L. & Sons, Elizabeth, N. J.

Presses (Wheel)

See Presses, Hydrostatic Wheel

11664— Presses (Wheelbox)

Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book

11665—Presses (Wood Pulley Glueing)

DUNNING & BOSCHERT PRESS CO. (INC.), 379 W Water, Syracuse, N. Y.
See adv index at end of book
Hydraulic Press Mfg. Co. (Hydraulic), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book

11666—Presses (Wood Pulp)

DUNNING & BOSCHERT PRESS CO. INC., 25 Broadway, Syracuse, N. Y.
See adv index at end of book
Hydraulic Press Mfg. Co. ("H. P. M." Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book
Standard Metal Work Co., Thompsonville, Conn.

11667—Presses (Wrapping & Tissue Paper Printing)

Kidder Press Co. (Combination Rotary), Dover, N. H.
Meisel Press Mfg. Co. (Sheet or Flat Delivery), 942 Dorchester av, Boston, Mass.

11668— Presses (Yarn)

Dunning & Boschert Press Co. (Inc.) (Baling), 379 W Water, Syracuse, N. Y. *See adv index at end of book*
Liddell Co., Charlotte, N. C.

Pressure Gauges (Bourdon)

See Gauges, Steam

11669— Preventers (Smoke)

See also Furnaces Smokeless

Climax Smoke Preventer Co., 261 Franklin, Boston, Mass.
Diamond Power Specialty Co., Oakland & Caniff, Detroit, Mich.
Scharf Smoke Preventer Co., Ypsilanti, Mich.

11670—Priers (Automobile Tire)

Prime Movers

See Dynamo & Motor Mfrs., Engines, Various Kinds; Generators, Various Kinds; Motors, Various Kinds; Turbines, Various Kinds; Windmills

11670a—Primers (Automobile Motor)

PREST-O-LITE CO., INC., THE (Acetylene), 30 E 42nd st, New York
See adv index at end of book

11671— Primers (Cartridge)

See also Ammunition

California Cap Co., 1540H San Pablo av, Oakland, Cal.
DU PONT E. I. de NEMOURS & CO., INC. (see adv at Explosives), Explosives & Smokeless Powder Depts., Wilmington, Del.
See adv index at end of book
Peters Cartridge Co., First Nat'l Bank bldg, Cincinnati, O.
Remington Arms Company Inc. ("U. M. C."), 233 B'way, New York
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

11671a—Primers (Gasoline Engine)

Bay State Pump Co. ("Copley"), 564 E 1st, S Boston, Mass.
Carleton Co. ("Carleton"), 170 Summer, Boston, Mass.
Imperial Brass Mfg. Co., 1200 W. Harrison, Chicago, Ill.
Master Primer Co. ("Master"), 137 E Woodbridge, Detroit, Mich.
Peru Brass & Mfg. Co., Peru, Ind.

11672-3—Primers (Wood & Metal)

Atlas Railway Supply Co., 431 S Dearborn, Chicago, Ill.
Ditzler Color Co. (For Automobiles), 40 Baltimore av W, Detroit, Mich.
Lehon Company ("Mule Hide" Concrete), 4451 S Oakley av, Chicago, Ill.
See adv index at end of book
Murphy Varnish Co., 224 McWhorter, Newark, N. J.
Valentine & Co. ("Celox"), 456 4th av, New York

Printers (Railroad)

See Railroad Stationery, Blanks, Manifests, etc.; also Loose Leaf Devices

Printers Rubber Blankets

See Blankets Printers & Lithographers

11674— *Printers (Toy)

DECALCO LITHO CO., 615 H Newark, Hoboken, N. J.

11675-6—Printers' Furniture

American Type Founders Co., Communipaw av, Jersey City, N. J.
Carrom Co., Ludington, Mich.
Damon Geo. & Sons, 44 Beekman, New York
Hamilton Mfg. Co., Two Rivers, Wis.
Printing Machinery Co., 412 E Sixth, Cincinnati, O.
Zimmer Mfg. Co., 59 Beekman, New York

11677—Printing (Advertising)

BUCKLEY, DEMENT & CO., 300 Throop, corner Jackson blvd, Chicago

Printing Machines

Consult Index to Classifications for number of classification descriptive of the kind of Printing Machines required

Printing Presses

See Classification 8851

11678-9—Printing Presses (Milk Bottle Caps)

Meisel Press Mfg. Co., 942 Dorchester av, Boston, Mass.

11680—Pritchels (Blacksmiths' & Farriers')

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Heller Bros. Co., 870 Mt. Prospect av, Newark, N. J.

11680a— *Profile Papers

Weber Co. F., 1220 Buttonwood, Philadelphia, Pa.

11681— *Projectile Bands

American Brass Co., Waterbury, Conn.
For branch offices see adv index at end of book

11682— Projectiles (Steel)

Bethlehem Steel Co., South Bethlehem, Pa.
Brenbunfus Engineering Co., Lorain, O.
Firth-Sterling Steel Co., McKeesport, Pa.
Johnson Isaac G. & Co., Spuyten Duyvil, New York City, N. Y.

11683— Projection Apparatus

Bausch & Lomb Optical Co. (Balopticons), Rochester, N. Y.
Brenkert Light Protection Co. (Lantern Slides for all Purposes), 49 Cortlandt av, Detroit, Mich.
Knott L. E. Apparatus Co. ("Sonograph" for Graphic Analysis of Sound Waves), 79 Amherst, Cambridge, Mass.
Leitz Ernest (Universal Imp.), 60 E 10th, New York
McIntosh Stereopticon Co., 30 E Randolph, Chicago, Ill.
Spencer Lens Co., 442 Niagara, Buffalo, N. Y.
Welch W. M. Scientific Co., 1516 Orleans, Chicago, Ill.

11683a— Projectors (Electric Lights)

Am. La France Fire Engine Co., Elmira, N. Y.
Boesch Lamp Co., 962 Mission, San Francisco, Cal.
Brascelite Co., Jefferson & Washington av, St. Louis, Mo.
Brenkert Light Projection Co., 49 Cortlandt, Detroit, Mich.
Crouse-Hinds Co., Syracuse, N. Y.
Cutter Co., 415 Notre Dame, So Bend, Ind.
Grether Fire Equipt. Co., Dayton, O.
Harter Mfg. Co., 522 Clinton, Chicago, Ill.
National X-Ray Reflector Co., 233 W Jackson blvd, Chicago, Ill.
Penfield Mfg. Co., Meriden, Conn.
Pittsburgh Metal Spinning & Stamping Co., 400 Duquesne
Universal Electric Stage Lighting Co., Inc. (Kliegl Bros.), 321 W 50th, New York
Western Elec. Co., 463 West, New York
Wheeler Reflector Co., 275 Congress, Boston, Mass.

TO USE THIS BOOK EFFICIENTLY

Read This Page NOW—and Save Your Time When You Are BUSIER

Address and Local Distributors Section—

Beginning on page 7, gives the names and addresses of manufacturing and other concerns, with branch offices and local distributors of many advertisers.

Index to Classifications of Products—

Beginning on page 351, shows all items of Material, Supplies, Equipment, Machines, etc., indexed and cross indexed in the terms that come first to your mind. Thus "Dredging Buckets" are shown as "Buckets, Dredging," and as "Dredging Buckets." It is preferable, however, always to look for the NOUN.

Classified Products Section—

Beginning on page 501, lists under the name of the product the names of the manufacturers of this product. That those shown in black-faced type are especially equipped to quote is evidenced by their readiness to spend money to secure your inquiries—it will pay you to write them.

All Products are listed alphabetically according to the noun, excepting in the case of "Machinery" and "Textile Machinery," which for your convenience are brought together into two main groups, the former embracing classifications 7671 to 9499 and the latter embracing classifications 14993 to 15489; here the various kinds of machines and machinery are subclassified, each with its own classification number.

Sometimes a general classification, such as "Lumber," appears. Subclassifications appear immediately following the general list, however.

Various trades are listed, also, such as Architects and Contractors. In the larger lists the arrangement is geographical, for your more ready convenience. In the smaller lists the arrangement is alphabetical as to firm names.

Classification numbers, corresponding with the numbers in the Index to Classifications of Products, are shown above the outer column of each page.

If you refer directly to the Classified Products Section, look for the NOUN, thus, "Wardrobes, Office," not "Office Wardrobes."

Tradename Section—

Beginning on page 2301, carries the trade-names of all articles in industrial use put out within the past twenty-five years. We have thousands of additional trade-names on file, however. If you know a trade-name but not the name of the manufacturer, use the Trade-name Section.

And Remember—

We have a Complete Service Department ready to give you any further information or assistance you may desire.

Projectors (Electric Sign)

See Flashers, Electric Sign

11683b—Projectors (Floodlight)

Brenkert Light Protection Co., 49 Cortlandt av, Detroit, Mich.
Brascolite Co., Jefferson & Washington av, St. Louis, Mo.
Crouse-Hinds Co., Syracuse, N. Y.
Cutter Geo. Co., South Bend, Ind.
Electric Service Supplies Co., 17th & Cambria, Phila., Pa.
GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book
Harter Mfg. Co. ("Nitrolites," "Deluxlites"), 524 S Clinton, Chicago, Ill.
McIntosh Stereopticon Co., 30 E. Randolph Chicago, Ill.
National X-Ray Reflector Co., 220 S State, Chicago, Ill.
Universal Electric Stage Lighting Co., Inc. (Kliegl Bros.), 321 W 50th, New York
Wheeler Reflector Co., 275 Congress, Boston, Mass.

11683c—Projectors (Motion Picture)

Atlas Educational Film Co., 29 E Madison, Chicago, Ill.
Baird C. R. Co., 24 E 23d, New York
Bell & Howell Co., 1801 Larchmont av, Chicago, Ill.
De Vry Corp. (Portable), 1248 Marianna, Chicago, Ill.
Enterprise Optical Mfg. Co., 560 W Randolph, Chicago, Ill.
General Electric Co. (Incandescent Lamp), Schenectady, N. Y.
See adv index at end of book
McIntosh Stereopticon Co., 30 E Randolph, Chicago, Ill.
Movette Inc. (Hand, Motor Driven & Industrial), 295 State, Rochester, N. Y.
Precision Machine Co. Inc., 319 E 34th, New York
Victor Animatograph Co. ("Victor"), Davenport, Ia.

11684—Projectors or Search Lights

See also Projectors, Electric Light

Baird C. R. Co., 24 E 23d, New York
Bogue Chas. J. Electric Co., 513 W 29th, New York
Brenkert Light Projection Co., Inc., 49 Cortlandt av, Detroit, Mich.
Brilliant Searchlight Mfg. Co. ("Brilliant" Searchlight), 529 S Dearborn, Chicago, Ill.
Campbell A. S. Co. ("Cello" Searchlights for Automobiles & Motor Boats), 161H Prescott, Boston, Mass.
Carlisle & Finch Co., 229 E Clifton av, Cincinnati, O.
Crouse-Hinds Co., Syracuse, N. Y.
Engberg Electric & Mechanical Works, St. Joseph, Mich.
Enterprise Optical Mfg. Co., 564 W Randolph, Chicago, Ill.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Graphoscope Co., 712 11th N W, Washington, D. C.
Movette, Inc. (Hand, Motor Driven & Industrial for Motion Pictures), 295 State, Rochester, N. Y.
National Marine Lamp Co. (Searchlight), Forestville, Conn.
Niagara Searchlight Co., Niagara Falls, N. Y.
Pathescope Co. of America, 35 W 42nd, New York
Pyle National Co., 1334 N Kostner av, Chicago, Ill.
Rateau, Battu Smoot Co. (Electric), 90 West, New York
Rex-Harris Fire Appliance Co., 310 W 39th, New York
S. & M. Lamp Co. ("S & M" Automobile), 118 W 36th, Los Angeles, Cal.
Sperry Gyroscope Co. ("Sperry" High Intensity), 40 Flatbush av, Brooklyn, N. Y.
Stewart-Warner Speedometer Corp., ("Stewart V Ray"), 1826 Diversey Parkway, Chicago, Ill.
Thompson A. T. & Co., 15 Tremont pl, Boston, Mass.
Vesta Battery Corp. ("Vesta"), 2100 Indiana av, Chicago, Ill.
Victor Animatograph Co. ("Victor" Projector With Electric Arc for Non-Transparencies), Davenport, Ia.
Wood Mfg. Co. (Electric), Fairfield, Conn.

11685— Prongs (Valve)

Hays Mfg. Co. (Brass), Erie, Pa.

11686—Propellers (Aeroplane)

Am. Propeller & Mfg. Co., Covington & Gittings, Baltimore, Md.
Am. Sash & Door Co., Kansas City, Mo.
Doyle W. A., Trenton, N. J.
Hartzell Walnut Propeller Co., Piqua, O.
Jacuzzi Bros. Inc., 1450 San Pablo av, Berkeley, Cal.
L-W-F Engineering Co., College Point, L. I., N. Y.
Matthews Bros. Mfg. Co., 61 4th, Milwaukee, Wis.
N. & S. Engine Co. Inc. (Reversible), 1144 Elliott av W, Seattle, Wash.
Standard Steel Propeller Co., Vanadium bldg, Pittsburgh, Pa.
Steres Ed. & Sons, San Antonio, Tex.

11686a—Propellers (Ship & Boat)

AMERICAN MANGANESE BRONZE CO., 3501 Rhawn, Phila., Pa.
Bethlehem Shipbuilding Corporation Ltd. (& Blades), Bethlehem, Pa.
Columbian Bronze Corp. ("Columbian" Bronze & Motor Boat), 522 5th av, New York
Coolidge L. H. Co., 66 W Marion, Seattle, Wash.
Laughlin Thos. Co. ("Atlantic" "Eclipse"), 135 Fore, Portland, Ore.
See adv index at end of book
Oregon Brass Works (Manganese Bronze), 73 No 2nd, Portland, Ore.
Reeves Paul S. & Co. ("Tubal" Manganese Bronze), 1415 Catharine, Phila., Pa.
Staten Island Shipbuilding Co., 3075H Richmond Terrace, Mariners Harbor, Staten Island, N. Y.
Thacher Propeller & Foundry Corp., Albany, N. Y.

11687—Props (Carriage Top)

Cowles C. & Co. ("Thomas"), New Haven, Conn
Monarch Carriage Goods Co. ("Monarch"), 2842 Spring, Cincinnati, O.
Searls Mfg. Co. ("Thomas" Mal, "Searls-Thomas"), 29 Mulberry, Newark, N. J.

11688— Props (Mine)

HYMAN-MICHAELS CO. (Rails of all weights cut to length on order for mine use and for reinforcing work), 122 S Michigan av, Chicago, Ill.
See adv index at end of book

11689— Props (Sash)

Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.

11690—Protectors (Book Corner)

Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*

11691— Protectors (Boot)

Channon Jas. H. Mfg. Co. ("Union" for Trench & R. R. Work, etc), 227 W Erie, Chicago, Ill.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Horstmann Wm. H. Co. (For Foundry Men), 5th & Cherry, Phila., Pa.

Protectors (Catchers' Body)

See Base Ball Body Protectors

Protectors (Check)

See Check Protectors

11692— *Protectors (Crusher)

DINGS MAGNETIC SEPARATOR CO., 616 Smith, Milwaukee, Wis.
See adv index at end of book
Magnetic Mfg. Co. (Magnetic), 279 23d av, Milwaukee, Wis.
See adv index at end of book

11693-4—Protectors (Electric)

Central Tel. & Electric Co., 310 N 11th, St. Louis, Mo.
Cook Frank B. Co. ("Cook," Terminal), 2700 Southport, Chicago, Ill.
D & W Fuse Co., Hathaway, Providence, R. I.
Fibre Corporation, Lockport, N. Y.
GENERAL ELECTRIC CO. (A-C Network), Schenectady, N. Y.
See adv index at end of book
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Metropolitan Engineering Co. (Network for Transformers), 1250 Atlantic av, Brooklyn, N. Y.
Trio Mfg. Co. ("Tornquist"), Rock Island, Ill.

11695—Protectors (Lubricator)

Sargent Co. ("Ironclad," for Locomotives), 625 W Jackson blvd., Chicago, Ill.

11696—Protectors (Milk Bottle)

Burgess & Norton Mfg. Co. ("Grant's"), Geneva, Ill.

11697— Protectors (Pole)

Hallett Iron Works ("Hallett"), Harvey, Ill.
Lanz, M. Bolt Co. (Protection Strip), 2907H Carson, Pittsburgh, Pa.

11698—Protectors (Rail Bond)

Mailliard & Schmiedel (Mfrs. Agts.), 203 California, San Francisco, Cal.
P. & M. Co., The (Wire), 80 E Jackson blvd, Chicago, Ill.

11699—Protectors (Roll & Fabric)

Fabric Roll Protector Co., South Bend, Ind
WEST VA. PULP & PAPER CO. (Pulp Products Dept.), (Fibre protectors for use on roll ends, packages and corners), 200 Fifth av, New York
See adv index at end of book

11700— Protectors (Smoke)

Hayward S. F. & Co., 250 W. 4th, New York

11701— Protectors (Switch)

Lord Mfg. Co. ("Leco"), 105 W 40th, New York
Mead-Morrison Mfg. Co., Prescott & Orleans E, Boston, Mass.

11702—Protectors (Thermometer Bulb)

Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book

11702a—Protectors (Thread)

Colona Mfg. Co., Vandergrift bldg, Pittsburgh, Pa.

11703— Protectors (Tire)

Britcson Mfg. Co., Brookings, S. D.
Empire Tire & Rubber Corp., Trenton, N. J.
Kimball Tire Case Co. (Steel), Council Bluffs, Ia.
Leather Tire Goods Co. ("Woodworth" Treads), Niagara Falls, N. Y.
20th Century Tire Protector Co. ("20th Century"), Midlothian, Tex.
Universal Tire Protector Co., Angola, Ind.

11704— Protractors

Banks F. S. & Co., 149 Church, New York
Crookston Tool Co., Crookston, Minn.
Brown & Sharpe Mfg. Co. (Draughtsmen's), Providence, R. I.
Goodell-Pratt Co. (Arc & Draughtsman), Greenfield, Mass.
Gurley W. & L. E., Troy, N. Y.
Keuffel & Esser Co., Hoboken, N. J.
Sawyer Tool Mfg. Co., Ashburnham, Mass.
Starrett L. S. Co. (Bevel Draughtsman), Athol, Mass.
Weber Co., F., 1220 Buttonwood, Philadelphia, Pa.

Pruners (Tree)

See Shears, Pruning

Prussian Blue

See Blue, Prussian

11704a—Prussiate of Potash

Fergusson, Alex. C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Takamine Commercial Corp (Imp of Red & Yellow), 120 B'way, New York

11704b—Prussiate of Soda

Bower Henry Chemical Mfg. Co. (Yellow & Red), 29th & Gray's Ferry av, Phila., Pa.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Semet-Solway Co. (Yellow), Syracuse, N. Y.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

11705— Psychrometers

Foxboro Company The ("Foxboro"), Foxboro, Mass. *See adv index at end of book*
Green Henry J., 1191 Bedford av, Brooklyn, N. Y.
Tagliabue C. J. Mfg. Co., 18 23d, Brooklyn, N. Y.
Taylor Instrument Co., 95 Ames, Rochester, N. Y.

11706—Publications (Trade) & Publishers

Acetylene Journal Publishing Co., 53 W Jackson, Chicago, Ill.
Advertising & Selling Magazine, Grand Central Terminal, New York
American Architect & Architectural Review (Professional), 243 W 39th, New York
Am. Artisan & Hardware Record, 616 S. Michigan av, Chicago, Ill.
American Blacksmith Co., 775 Main, Buffalo, N. Y.
Am. Builder, 1827 Prairie av, Chicago, Ill.
Am. Carpet & Upholstery Journal, Drexel bldg, Phila., Pa.
American City Magazine, 443 4th av, New York
American Contractor Publishing Co., 131 N Franklin, Chicago, Ill.

AMERICAN DIRECTORY OF THE KNITTING TRADE (Bragdon, Lord & Nagle Co., Pub.), 334 4th av, New York

American Exporter (The), 370 7th av, New York

American Fertilizer, 1010 Arch, Phila., Pa.

Am. Funeral Director, Grand Rapids, Mich.

American Gas Journal, 53 Park pl, New York

American Grocer, 90 W B'way, New York

American Hardware Jobbers Directory (Edward G. Baltz, pub.), 1701 Arch, Philadelphia, Pa.

American Hatter, 1225 B'dway, New York

Am. Industries, 50 Church, New York

Am. Lumberman, 431 S Dearborn, Chicago, Ill.

American Machinist, 10th av & 36th, New York

American Paint Journal, Pontiac bldg., St. Louis, Mo.

American Paint & Oil Dealer, Pontiac bldg, St. Louis, Mo.

American Printer, 231 W 39th, New York

Am. Shoemaking, 212 Essex,, Boston, Mass.

American Silk Journal, 373 4th av, New York

American Sports Publishing Co., 45 Rose, New York

Am. Stationer & Office Outfitter, 10 E. 39th, New York

American Stone Trade, 537 S Dearborn, Chicago, Ill.

American Thresherman, Madison, Wis.

American Wool & Cotton Reporter, 530 Atlantic av, Boston, Mass.

Architect (The), 245 Mission, San Francisco, Cal.

Architect & Engineer, 68 Post, San Francisco, Cal.

Architectural Record, 119 W 40th, New York

Architecture, 597 5th av, New York

Architecture & Building, 23 Warren, New York

Automobile Blue Book Publishing Co. The, 239 W 39th, New York

Automobile Journal Publishing Co., Pawtucket, R. I.

Automobile Topics, 1790 B'way, New York

Automotive Industries (Industrial), 239 W 39th, New York

Automotive Manufacturers, 153 Waverly pl, New York

Aviation & Aircraft Journal, 225 4th av, New York

Bakers' Helper Co., 431 S Dearborn, Chicago, Ill.

Bakers' Review, 25 W B'dway, New York

Bakers' Weekly, 41 W 45th, New York

Barbers' Journal, 1400 B'dway, New York

Barrel & Box, 360 N Michigan, Chicago, Ill.

Belting & Transmission, Monadnock bldg., Chicago, Ill.

Billboard Publication Co., 25 Opera pl, Cincinnati, O.

Black Diamond Co., 431 S Dearborn, Chicago, Ill.

Blacksmith & Wheelwright, 132 W 43d, New York

Blast (The) Furnace & Steel Plant, 108 Smithfield, Pittsburgh, Pa

Boiler Maker, 30 Church, New York

Boot & Shoe Recorder, 207 South, Boston, Mass.

BRAGDON, LORD & NAGLE CO., 334 4th av, New York

Brass World Publishing Co., 153 Waverly pl, New York

Brewers' Journal, 1 Hudson, New York

Brick & Clay Record (Industrial Publications), 408 S Dearborn, Chicago, Ill.

Broom Corn Review, Wichita, Kan.

Brooms, Brushes & Handles, Milwaukee, Wis

Builders' Guide (Building News Publication Co.), Dept H, Perry bldg, Phila., Pa.

Building Age Publication Corp., 239 W 39th, New York

Building News Pub. Co., Perry bldg, Phila., Pa.

Building Review, 50 Main, San Francisco, Cal.

Building Supply News (Industrial Publications, Inc.), 407 S Dearborn, Chicago, Ill.

Building & Engrg. News, 818 Mission, San Francisco, Cal.

Bunting Publications (Inc.), 9 S Clinton, Chicago, Ill.

Butchers' Advocate Co., 1328 B'way, New York

California Lumber Merchants, Fay bldg, Los Angeles, Cal.

California Oil World, 339 San Fernando bldg, Los Angeles, Cal.

Canning Trade, 107 S Frederick, Baltimore, Md.

Cement & Engineering News, 130 N Wells, Chicago, Ill.

Cement, Mill & Quarry, Monadnock blk., Chicago, Ill.

Chemical Age, 381 Fourth av, New York

Chem. & Metallurgical Engng., 10th av. at 36th, New York

Chilton Tractor Journal, 56th & Chestnut, Phila., Pa.

Class (Crain G. D. Jr. Pub.), 537H S Dearborn, Chicago, Ill.

Clayworker (T. R. Randall & Co.), 211 Hudson, Indianapolis, Ind.

Clothier & Furnisher, 13 Astor pl, New York

Coal Age, 10th av & 36th, New York

Coal Industry, 108 Smithfield, Pittsburgh, Pa.

Coal Trade Bulletin, Park bldg, Pittsburgh, Pa.

Coal Trade Journal, 20 Vesey, New York

Coast Shoe Reporter, Pacific bldg, San Francisco, Cal.

Color Trade Journal Inc., 103 Park av, New York

Commercial Car Journal, 56th & Chestnut, Phila., Pa.

Commercial Journal, 628 Chestnut, Philadelphia, Pa.

Concrete-Cement Age Publishing Co., New Telegraph bldg, Detroit, Mich.

Concrete Products, Monadnock blk, Chicago, Ill.

Confectioner's Gazette, 366 B'way, New York

Confectioners Journal Publishing Co., 411 Walnut, Phila., Pa.

Contractors' & Engineers' Monthly, 443 4th av, New York

Cordage Trade Journal, 81 Fulton, New York

Cotton (W. R. C. Smith Pub. Co.), 1017 Grand bldg., Atlanta, Ga.

Cotton Manual Publishing Co., Atlanta, Ga.

Daily Iron Trade & Metal Market Report, Penton bldg, Cleveland, O

Daily Pacific Builder, 818 Mission, San Francisco, Cal.

Directory of the Architectural & Building Trades, Perry bldg, Phila., Pa.

DIRECTORY OF TEXTILE MERCHANDISE (Bragdon, Lord & Nagle Co., Pub.), 334 4th av, New York

Dockham Publishing Co., 46 Cornhill, Boston, Mass.

Dodge F. W. Co., 119 W 40th, New York

Domestic Engineering, 1900 Prairie, Chicago, Ill.

Drug & Chemical Markets, 3 Park pl, New York

Druggists' Circular, 100 William, New York

Dry Goods Economist, 239 W 39th, New York

Dry Goods Reporter, 215 So. Market, Chicago, Ill.

Electric Railway Journal, 10th av & 36th, New York

Electrical Merchandising, 10th av & 36th, New York

Electrical Record, 461H 8th av, New York

Electrical Review, Monadnock blk, Chicago, Ill.

Electrical World, 10th av & 36th, New York

ENGINEERING NEWS-RECORD, 10th av at 36th, New York
See adv index at end of book

Engineering World, Monadnock blk, Chicago, Ill.

Engineering & Contracting, 221 E Cullerton, Chicago, Ill.

Engineering & Mining Journal, 10th av & 36th, New York

Explosives Engineer, Crocker bldg, San Francisco, Calif.

Export & Shipping Journal, Graphic Arts bldg, Portland, Ore.

Exportador Americano, 370 7th av, New York

Exporters & Importers' Journal, 17 State, New York

Factory Magazine of Management, Cass, Huron & Erie, Chicago, Ill

Farm Implement News Co., 431 S Dearborn, Chicago, Ill.

Farm Implements Publishing Co., 1018 Lumber Exchange, Minneapolis, Minn.

Farm Machinery-Farm Power, 806 Pine, St. Louis, Mo.

Feedingstuffs, 25 W Broadway, New York

Fibre & Fabric, 465-75 Main, Cambridge, Boston (39), Mass.

Fire Service, 155 Waverly pl, New York

Fire & Water Engng., 318 W 39th, New York

Florists' Exchange, 448 W 37th, New York

Foundry (The), E 12th & Chester av, Cleveland, O.

Fur Trade Review, 43 W 29th, New York

Furniture Journal, 537 S Dearborn, Chicago, Ill.

Furniture Mfg. & Artisan, Grand Rapids, Mich.

Furniture Record, Grand Rapids, Mich.

Furniture Reporter, 180 New Montgomery, San Francisco, Cal.

Furniture World, 15 W 38th, New York

Gas Age, 52 Vanderbilt av, New York

Geyer's Stationer, 949 B'way, New York

Glass Industry Publication Co., 50 Church, New York

Good Furniture, Grand Rapids, Mich.

Good Roads, 50 Church, New York

Gulf Coast Lumberman, Houston, Texas

Hardware Age, 239 W 39th, New York

Hardware Dealers Magazine, Penn. Terminal bldg, Broadway, New York

Hardware News, 602 Wesley bldg, 17th & Arch, Phila., Pa.

Hardwood Record, 537 S Dearborn, Chicago, Ill.

Hay Trade Journal Publishing Co., Canajoharie, N. Y.

Heating & Ventilating Magazine, 1123 B'way, New York

Hide & Leather, 136 W Lake, Chicago, Ill.

Highway Engineer & Contractor, Monadnock blk, Chicago, Ill.

Horseshoers' Journal, 39 State, Detroit, Mich.

Hospital Management (Crain G. D., Jr., Pub.), 537H S Dearborn, Chicago, Ill.

House Furnishing Journal, 156 5th av, New York

Howe C. E. Addressing & Printing Co. (Directories & Mailing Lists Only), 1710-12 Market, Phila., Pa.

Ice Cream Trade Journal, 171 Madison av, New York

Ice & Refrigeration, 5707 W Lake, Chicago, Ill.

Illustrated World, 58th & Drexel, Chicago, Ill.

Implement Trade Journal Co., Graphic Arts bldg, Kansas City, Mo.

Improvement Bulletin, 215 S 6th, Minneapolis, Minn.

India Rubber World, 25 W 45th, New York

Industrial Management (The Engineering Magazine), 116 W 32d, New York

Inland Printer, 632 Sherman, Chicago, Ill.

International Trade Developer, 168 N Michigan av, Chicago, Ill.

International Trade Press, Inc., Monadnock bldg, Chicago, Ill.

Iron Age, 239 W 39th, New York

Iron Trade Review, 1213 W 3rd, Cleveland, O.

Isolated Plant Publishing Co., 280 Madison av, New York

Jewelers' Circular, 11 John, New York

Journal of Electricity, Rialto bldg, San Francisco, Cal.

Kelly's Directory of Merchants, Manufacturers & Shippers of the World, 70 5th av, New York

Keramic Studio Pub. Co., Syracuse, N. Y.

Lubrication World, Monadnock blk, Chicago, Ill.

Lumber World Review, 608 S Dearborn, Chicago, Ill.

Machinery, 140 Lafayette, New York

Mac Rae's Blue Book, 18 E Huron, Chicago, Ill.

Manufacturers' Record, Water & Commerce, Baltimore, Md.

Marine Journal Co., 115 Broadway, New York

Marine News, 26 Water, New York

Marine Review, Penton bldg, Cleveland, O.

Men's Wear Co., 83 13th, New York

Metal Industry 99 John, New York

Mining & Metallurgy, 29 W 39th, New York

Modern Hospital, 22 E. Ontario, Chicago, Ill.

Modern Miller, Insurance Exchange, Chicago, Ill.

Mosby C. V. Co. (Medical), Metropolitan bldg, St. Louis, Mo.

Motion Picture News, 729 7th av, New York

Motor Age, 5 S Wabash, Chicago, Ill.

Motor Boat, 10 E 39th, New York

Motor Boating, 119 W 40th, New York

Motor Record (Monthly), 90 West, New York

Motor Service, 549 W Washington blvd, Chicago, Ill.

Motor Truck, Pawtucket, R. I.

Motor World, 239 W 39th, New York

Moving Picture World, 516 5th av, New York

Municipal Journal & Engineer, 239 W 39th, New York

Munn & Co. (Scientific American), 699 Woolworth bldg, New York

Music Trade Review, 383 Madison av, New York

National Builder, 542 S Dearborn, Chicago, Ill.

National Cleaner & Dyer, 124 N Ann, Chicago, Ill.

National Coopers' Journal, 820H Witherspoon bldg., Phila., Pa.

National Druggist, Century bldg, St. Louis.

National Engineer, 417 S Dearborn, Chicago, Ill.

National Hardware Bulletin, Argos, Ind.

National Laundry Journal, 124 N Ann, Chicago, Ill.

Natl. Petroleum News, Canton bldg, Cleveland, O.

National Provisioner, 15 Park Row, New York

Nautical Gazette, 20 Vesey, New York

Northwestern Tractor & Truck Dealer, 213 S 6th, Minneapolis, Minn.

Office Appliances Magazine, 417 S Dearborn, Chicago, Ill

OFFICIAL AMERICAN TEXTILE DIRECTORY (Bragdon, Lord & Nagle Co., Pub.), 334 4th av, New York

Oil News, 14 E. Jackson blvd, Chicago, Ill.

Oil, Paint & Drug Reporter, 100 William, New York

Oil Trade Blue Book, 140 S Dearborn, Chicago, Ill.

Oil Trade Journal, 350 Madison av, New York

Oil Weekly, Houston, Texas

Oil & Gas Journal, Tulsa, Okla.

Oildom Magazine, 680 Ave. E, New York

Operative Miller, 721 S Wood, Chicago, Ill.

Optical Journal & Review, 11 John, New York

Pacific Bottler, 57 Post, San Francisco, Cal.

Pacific Builder & Engineer, Seattle, Wash.

Pacific Coast Merchant, 423 Sacto, San Francisco, Cal.

Pacific Engineer, 517 I. W. Hellman bldg, Los Angeles, Cal.

Pacific Factory Developer, Call bldg, San Francisco, Cal.

Pacific Fisherman, 71 Columbia, Seattle, Wash.

(Continued on following page)

Publications (Trade) & Publishers—Continued

Pacific Hardware Journal, 112 Market, San Francisco, Cal.
Pacific Laundry Journal (Western Trade Press Corp.), 417 Montgomery, San Francisco, Cal.
Pacific Marine Review, 576 Sacramento, San Francisco, Cal.
Pacific Motorboat, 71 Columbia, Seattle, Wash.
Pacific Ports, Wilcox bldg, Los Angeles, Cal.
Pacific Street & Road Builder, Call bldg, San Francisco, Cal.
Packages Pub. Co., Montgomery bldg, Milwaukee, Wis.
Painters Magazine, 100 William, New York
Paper Inc., 1480 Broadway, New York
Paper Mill, 154 Nassau, New York
Paper Trade Journal, 10 E 39th, New York
Petroleum Age, 28 E Jackson, Chicago, Ill.
Pharmaceutical Era, 3 Park pl, New York
Pit & Quarry, 538 S Clark, Chicago, Ill.
Pocket List of Railroad Officials, 424 W 33d, New York
Popular Mechanics Magazine, 200 E Ontario, Chicago, Ill.
Power, 10th av & 36th, New York
Power Boating E 12th & Chester, Cleveland, O.
Power Farming, St. Joseph, Mich.
Power Farming Dealer, St. Joseph, Mich.
Power Plant Engineering, 537 S Dearborn, Chicago, Ill.
Printers Ink, 185 Madison av, New York
Printing, 38 Park row, New York
Purchasing Agent Co., 53 Park pl, New York
Railway Age, 30 Church, New York
Railway Electrical Engineer, Woolworth bldg., New York
Railway Maintenance Engineer, 30 Church, New York
Railway Mechanical Engineer, 30 Church, New York
Railway Purchases & Stores, 95 Clinton, Chicago, Ill.
Railway Review (Railway & Engineering), 537 S Dearborn, Chicago, Ill.
Railway Signal Engineer, 30 Church, New York
Record & Guide, 119 W 40th, New York
Refrigerating World, 25 W Broadway, New York
Retail Coalman, Monadnock blk, Chicago, Ill.
Retail Druggist, 254 W Lafayette blvd, Detroit, Mich.
Retail Lumberman Publishing Co., Gates bldg, Kansas City, Mo.
Roadmaker, 53 W Jackson blvd, Chicago, Ill.
Rock Product, 542 S Dearborn, Chicago, Ill.
Rubber Age, 225 4th av, New York
Rudder Publishing Co., 9 Murray, New York
Safety Engineering Magazine, 119 Nassau, New York
Sampson & Murdock Co., 246 Summer, Boston, Mass.
Sanitary & Heating Engineering, 15 E 40th, New York
Scientific American, Woolworth bldg, New York
Sewing Machine Times, 106 E 19th, New York
Sheet Metal Worker, 45 W 45th, New York
Shoe & Leather Reporter, 166 Essex, Boston, Mass.
Shoe Retailer, 166 Essex, Boston, Mass.
Southern Engineer, 1017 Grant bldg, Atlanta, Ga.
Southern Lumberman, 150 4th av N, Nashville, Tenn.
Southwest Builder & Contractor, 156 S Hill, Los Angeles, Cal.
Southwestern Purchasing Agent, 514 I. W. Hallman bldg, Los Angeles, Cal.
Spice Mill Publishing Co. Inc., 97 Water, New York
Spokesman Publishing Co., 128 Opera pl, Cincinnati, O.
Sporting Goods Sales Journal, 10 W 28th, New York
Stanley Journal of Machinery, 1206 S Hill, Los Angeles, Cal.
Starchroom Publishing Co., 415 Pioneer, Cincinnati, O.
Stirring Rod, 57 Post, San Francisco, Cal.
Sugar Magazine, 153 Waverly pl, New York
Sweet's Catalogue, 119 W 40th, New York
System Magazine, 2 N Wabash av, Chicago, Ill.
Talking Machine World, 383 Madison av, New York
Tea & Coffee Trade Journal, 79 Wall, New York
Telegraph & Telephone Age, 253 B'way, New York
Telephony Publishing Co., 115 S Michigan av, Chicago, Ill.
TEXTILE ADVANCE NEWS (Bragdon, Lord & Nagle Co., Pub.), 334 4th av, New York
TEXTILE WORLD (Bragdon, Lord & Nagle Co., Pub.), 334 4th av, New York & 111 Summer, Boston, Mass.
Timberman, The (An International Lumber Journal, Geo. M. Cornwall, pub.), 616 Spalding bldg, Portland, Ore.
Tobacco Leaf Publishing Co., 140 Front, New York
Tobacco World, 236 Chestnut, Phila., Pa.
Toys & Novelties, 215 S. Market, Chicago, Ill.
Trade Mark Record, 31 Nassau, New York
Traffic World, 418 S Market, Chicago, Ill.
Upholsterer, 373 4th av, New York
Walker Frank R. Co., 536 Lake Shore Drive, Chicago, Ill.
Warm Air Heating & Sheet Metal Journal, 608 Chestnut, Phila., Pa.
Waste Trade Journal, 150 Lafayette, New York
Welding Engineer, 608 S Dearborn, Chicago, Ill.
West Coast Lumberman, Henry bldg, Seattle, Wash.
Western Architect, 215 S Market, Chicago, Ill.
Western Baker (Western Trade Press Corp.), 417 Montgomery, San Francisco, Cal.
Western Confectioner, 57 Post, San Francisco, Cal.
Western Construction News, 24 California, San Francisco, Cal.
Western Contractor, 521 Locust, Kansas City, Mo.
Western Machinery World, 576 Sacramento, San Francisco, Cal.
Western Plumber (Western Trade Press Corp.), 417 Montgomery, San Francisco, Cal.

11707—Pullers (Automobile Wheel)

Benford Mfg. Co., Mt. Vernon, N. Y.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Cantrell-Miller Mfg. Co. ("C. & M."), 1246H Larkin, San Francisco, Cal.
Coombs C. B., Walker & State, Indianapolis, Ind.
Cooper Mfg. Co., Marshalltown, Ia.
Dyer Co., 155 Brookline, Cambridge, Mass.
Empire Wheel Works, Utica, N. Y.
Greb Co. ("Greb"), 173 State, Boston, Mass.
Kimmerle Bros. ("Kimkin"), 226 11th, San Francisco, Cal.
Lashbaugh & Jordan Tool & Machine Co., Elkhart, Ind.
Lelin Mfg. Co., 73 N 10th, Portland, Ore.
Motor Specialties Co. ("Mosco"), Waltham, Mass.
Polson Mfg. Co., 1754 Main, Buffalo, N. Y.
Premier Electric Co. ("Little Giant"), 1123 S Wabash, Chicago, Ill.
Presbrey E. H. Co., 150 Broadway, New York
Standard Auto Accessory Co. ("Standard"), Leipsic, O.
Weeber C. F. Mfg. Works ("Weeber," for Removing Rear Wheels of Automobiles), Albany, N. Y.

11708-9— Pullers (Belt)

Brillion Iron Works, Brillion, Wis.
Bucher & Gibbs Plow Co., Canton, O.
Deere & Co. ("Jno. Deere"), Moline, Ill.
Donaldson Bros. ("Donaldson," "Valley"), Mt. Clemens, Mich.
Gale Mfg. Co. ("Gale"), Albion, Mich.
Moline Plow Co. ("Moline"), Moline, Ill.
Ohio Cultivator Co. ("Famous Ohio"), Bellevue, O.
Parlin & Orendorff Co. ("P. & O."), Canton, Ill.
Rowell I. B. Co., Waukesha, Wis.

11710— Pullers (Car)

See also Car Movers & Pushers

Barnard & Leas Mfg. Co. ("Moline"), 403 20th, Moline, Ill.
CALDWELL & SON CO H. W., 1700 S Western av, Chicago, Ill.
See adv index at end of book
DRAKE ENGINE CO. (Steam & Electric), Grand Haven, Conn.
See adv index at end of book
Fitzpatrick Products Corp., 98 Pine, New York
Gifford-Wood Co., Hudson, N. Y.
Great Western Mfg. Co., Leavenworth, Kans.
Howe Scale Co. of Illinois, 1222 S Wabash av, Chicago, Ill.
Hunt C. W. Co., West New Brighton, N. Y. *See adv index at end of book*
JONES W. A. FOUNDRY & MACHINE CO., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
LINK-BELT COMPANY ("Safety"), 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.
National Hoisting Engine Co., 325 Manor av, Harrison, N. J.
See adv index at end of book
Nordyke & Marmon Co., (Power), Kentucky av & Morris, Indianapolis, Ind.
Stephens-Adamson Mfg. Co. ("S.-A." Safety), Aurora, Ill.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.
Whiting Corp., Dept H, Harvey, Ill.

11710a— Pullers (Core Rod)

11711-2— Pullers (Cork)

See also Cork Screws

Arcade Mfg. Co. ("Champion," "Triumph," "Standard," "Favorite," "Daisy" & "Phoenix"), Freeport, Ill.
Cassady Fairbank Mfg. Co. ("Trinity"), 6126 S La Salle, Chicago, Ill.
Gilchrist Co. ("Yankee"), 236 Bank, Newark, N. J.
Hawley Mfg. Co. ("Quick-as-a-Wink"), Stepney, Conn.
Warner Hammer Co. ("Quick-as-a-Wink"), Cromwell, Conn.

Pullers (Cotter Pin)

See Extractors, Cotter Pin

11713-4—Pullers (Fence Staple Bar)

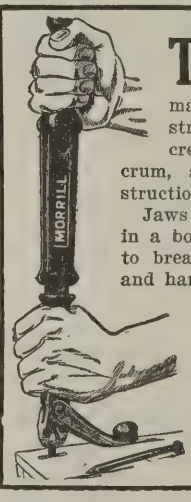
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.

Pullers (Gear)

See Pullers, Wheel

11715— Pullers (Nail)

See also Pullers, Tack; also Pullers, Staple
Belden Machine Co. ("Diamond-B," "Never Slip"), Tyron, New Haven, Conn.
Bradley & Farnham ("E. Z."), Middlefield, Conn.
Bridgeport Hardware Mfg. Corp. ("Tiger," "Sure Grip," "Jumbo," "Rex," "Red Bull," Nail Puller, Box Opener & Hammer), 461 Irving av, Bridgeport, Conn.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Dudley Tool Co., Menominee, Mich.
Goodell Pratt Co., Greenfield, Mass.
Grammes L. F. & Sons ("Bull Dog," "Samson"), 311 Union, Allentown, Pa.
See adv index at end of book
Landers, Frary & Clark ("Universal"), New Britain, Conn.
Lowentraut P. Mfg. Co. ("Montgomery"), 36 Brenner, Newark, N. J.
Mellor Box Opener Co. ("Mellor" Box Opener, Nail Puller & Hammer Combined), Sedalia, Mo.
Millers Falls Co. ("Pelican," "Miller's Falls"), Miller's Falls, Mass.
Moore Drop Forging Co. ("Gem"), Springfield, Mass.
MORRILL CHAS., INC. ("Morrill" & "Apex" Brands), 94 Lafayette, New York
See adv index at end of book



THE Longest lived, easiest and fastest Nail Puller on the market, because of its straight arm pull, increased rolling fulcrum, and scientific construction.

Jaws mounted together in a box joint, no springs to break, and has handle and hand guard.

Interchangeable throughout. Shank and Foot drop forged steel with polished tempered Jaws.

CHAS. MORRILL Inc.
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New York

Page Storms Drop Forge Co. ("Gem"), Chicopee, Mass.
Richard Stephen Co. (For Cobblers), Southbridge, Mass.
SMITH & HEMENWAY CO., INC. ("Giant," "Diamond B" & "Red "Devil"), 261H B'way, New York, & 130H Colt, Irvington, N. J.
See adv index at end of book
Snow & Petrelli Mfg. Co. "Crown," 152 B'way, New Haven, Conn.
Union Hardware Co. ("Cyclops"), Torrington, Conn.
Vaughan Novelty Mfg. Co., 711 Fulton, Chicago, Ill.
Warner Hammer Co. ("Common-Sense"), Cromwell, Conn.

11716— Pullers (Onion)

Bateman Mfg. Co. ("Iron Age"), Grenloch, N. J.

11717— Pullers (Piling)

Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Fitzpatrick Products Corp., 98 Pine, New York



Jones Solid Pulley

Jones

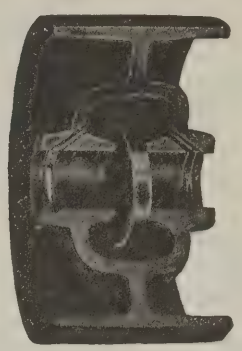
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Solid or split, in diameters up to 12 feet, faces as wide as 72 inches, for any shaft diameter. Large or small orders executed promptly.

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11718— Pullers (Pinion)

(For Pulling Pinions from Armatures)

Columbia Machine Works & Malleable Iron Co. ("Columbia," Any Type & Repair Parts), Atlantic av & Chestnut, Brooklyn, N. Y.
Dover Geo. W. Inc. ("Dover"), 1012 Eddy, Providence, R. I.

11719— Pullers (Plank)

Anderson W. H. Tool & Supply Co., 184 Bush, Detroit, Mich.

11720— Pullers (Spike)

See also Bars, Pinch

Hardsocg Martin Co., 922 South av, Pittsburgh, Pa.
Hubbard & Co., 63d & Butler, Pittsburgh, Pa.
Iron City Tool Works (Ltd.), 3201 Smallman, Pittsburgh, Pa.
MORRILL CHAS., INC. ("Pearson Cyclone"), 94 Lafayette, New York
See adv index at end of book

11721— Pullers (Staple)

Bicknell Mfg. & Supply Co., Janesville, Wis.
Cheney Henry Hammer Co., Little Falls, N. Y.
Cronk & Carrier Mfg. Co., 150 Lake, Elmira, N. Y.
Osmundson Spade Mfg. Co. ("Buffalo"), Perry, Ia.
Plomb Tool Mfg., 2209 Santa Fe av, Los Angeles, Cal.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
SMITH & HEMENWAY CO., INC. ("Red Devil"), 261H B'way, New York, & 130H Colt, Irvington, N. J.
See adv index at end of book
Utica Drop Forge & Tool Co., Utica, N. Y.
Warren Specialty Mfg. Co., West Farmington, Ohio

11722— Pullers (Stump)

Aumond Stump Machine Co. (Steel), Cedar Springs, Mich.
Bacon & Matheson Forge Co. ("Atlas"), 17H W. Lander, Seattle, Wash.
Bennet H. L. & Co. ("Bennet" Cable, "Bennet" Screw, "Bennet" Hand Power), Westerville, O.
Butterworth & Lowe, Grand Rapids, Mich.
Caward R. S. ("Faultless"), Cresco, Ia.
Clyde Iron Works Sales Co. ("Clyde"), Duluth, Minn.
See adv index at end of book
Dow David & Son (Hand Power), 1258 1st av S, Seattle, Wash.
Edwards C. D. ("Climax," "Jumbo," "Chief"), Albert Lea, Minn.
Fitzpatrick Products Corp., 98 Pine, New York
Hercules Mfg. Co. ("Hercules"), Centerville, Ia.
Kansas City Hay Press Co. ("Lightning"), Foot of 4th st viaduct, Kansas City, Mo.
Kirstin A. J. Co. ("One Man"), Escanaba, Mich.
La Plant-Choate Mfg. Co., Cedar Rapids, Ia.
Milne Mfg Co. ("Hawkeye," "I. & L.," "Iron Giant," "Milne"), Monmouth, Ill.
Mohr Steel Co. ("Bull Dog" Hand & Horse Power), Pacific bldg, San Francisco, Cal.
National Iron Co., Duluth, Minn.
S. & H. Iron Works ("Johnson" Power), 2930 Grand av, Everett, Wash.
Scott Hay Press Co. ("O-K"), 13 W 12th, Kansas City, Mo.
Smith Mfg. Co., La Crosse, Wis.
Sparta Iron Works Co., Sparta, Wis.
Sumner Iron Works, 41st & 3rd, Everett, Wash.
Swenson Grubber Co. ("Swenson" Malleable Iron), Cresco, Ia.
Zimmerman Steel Co. ("Zimmerman Monarch" Steel), Bettendorf, Ia.

Pullers (Tack)

See Claws or Pullers, Tack

11723— Pullers (Wheel)

See also Pullers, Automobile Wheel

Coombs C. B., Walker & State, Indianapolis, Ind.
Crane Puller Co., Arlington, Mass.
Greb Co., Inc. ("Greb" & Gear), 173 State, Boston, Mass.

11724— Pullers (Wire)

Browne & Dowd Mfg. Co. ("Yankee"), Meriden, Conn.
Dicke Tool Co. ("The Imperial"), Downer Grove, Ill.

11725— Pulley Covering

Baerti Anti-Slip Cement Co. ("Baerti"), 97 Water, New York
Boston Woven Hose & Rubber Co. ("Milo" Stitched Canvas), Cambridge, Mass.
Chemical & Engineering Co. ("Red Dragon" Power Saving), Watertown, N. Y.
Chicago Rawhide Mfg. Co., The, 1307 Elston av, Chicago, Ill.
See adv index at end of book
Eclipse Pulley Covering Co. (Canvas), 537 S Dearborn, Chicago, Ill.
Fansher Bros. ("Anti-Slip" Pulley Dressing), Dayton, O.
Kantslip Co. ("Kantslip"), Freeport, Mich.
Onward Mfg. Co. ("O. C. Little"), Menasha, Wis.
Raymond W. S. ("Washington Superior"), Dept H, Niles, Mich.
Shackley W. T. & Son (Canvas), 523 Atlantic, Boston, Mass.
Shultz Belting Co. ("Shultz Patent"), Fourth & Barton, South St. Louis, Mo.
Turner J. S. Mfg. Co., Lowell, Mass.
U. S. Pulley Covering Co. ("Solvonon"), 166 Reade, New York
Warren Co. ("Warren's"), Niles, Mich.

11726—Pulleys (Anti-Friction, Dumbwaiter)

Stowell Co., The, South Milwaukee, Wis.

11727— Pulleys (Arc Lamp)

Abbott Samuel (Awning), Cleveland, O.
Creaghead Engineering Co., 340 Main, Cincinnati, O.
Cutter Geo. Co. ("Cutter's" Supporting), South Bend, Ind.
Forged Products Co. ("Gibraltar"), Con-
Fletcher Mfg. Co. (Automatic Suspension, Sleet Proof), Dayton, O.
Fort Wayne Electric Works of General Electric Co., Fort Wayne, Ind.
Lime Material Co., South Milkaukee, Wis.
Marine Hardware-Equipment Co., South Portland, Me.
Ney Mfg. Co., Canton, O.
Reading Hdwe. Co. (Electric Light), Reading, Pa.
Wilcox Crittenden & Co., Inc., 444 S Main, Middletown, Conn.
See adv index at end of book
Williams A. C. Co., Ravenna, O.
Wrightsville Hardware Co., Wrightsville, Pa.

11727a—Pulleys (Ball Bearing)

JONES W. A. FOUNDRY & MACHINE CO., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book

11728— Pulleys (Bell Cord)

Brady Electric Mfg. Co. (Sleet Proof), New Britain, Conn.
Brill J. G. Co. (Also Register Cord), 62nd & Woodland av, Phila., Pa.
Creamer W. G. & Co., 96 John, New York
Dayton Mfg. Co., Dayton, Ohio

11728a—Pulleys (Belt Conveyor)

JONES W. A. FOUNDRY & MACHINE CO., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book

11729— Pulleys (Cast Iron)

See also Machinery, Power Transmitting

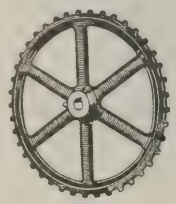
Allis Chalmers Mfg. Co. (Iron & Steel Machinery), Milwaukee, Wis.
See adv index at end of book
American Tool & Machine Co., (Up to 120 in. diameter), 10 High, Boston, Mass.
Bailey Burruss Mfg. Co., Atlanta, Ga.
Barnard Mill Furnishing Co., N 1324 Ash, Spokane, Wash.
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Birkie Machine Works, 128 S Clinton, Chicago, Ill.
Bond Foundry & Machine Co., Penn, Manheim, Pa.
Brinkley Co., 651 Alaska, Seattle, Wash.
Brown A. & F. Co., 79 Barclay, New York.
Brown Clutch Co., Sandusky, O.
Buckeye Iron & Brass Works, Dayton, O.
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago, Ill.
Caldwell W. E. Co., Louisville, Ky.
Carey W. W. Co., Lowell, Mass.
Chain Belt Co., Milwaukee, Wis.
See adv index at end of book
CHICAGO PULLEY & SHAFTING CO., 29 N Desplaines, Chicago, Ill.
Christiana Machine Co., Christiana, Pa.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Cork Insert Co. ("Cork Insert"), 164 Federal, Boston, Mass.
Cresson-Morris Co., Allegheny & 18th, Phila., Pa.
Dodge Mfg. Corp., Mishawaka, Ind.
Dunning W. D., Syracuse, N. Y.
Eastwood Benj. Co., Paterson, N. J.
Fales & Jenks Machine Co., Pawtucket, R. I.
Falls Clutch & Machinery Co., Cuyahoga Falls, O.
Farnsworth Electrical Works, 549H Mission, San Francisco, Cal.
Fay J. A. & Egan Co., Cincinnati, O.
Filer & Stowell Co., Milwaukee, Wis.
Fitchburg Foundry Co., Fitchburg, Mass.
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Fulton Machine Co., Canal Fulton, O.
Galena Iron Works Corp., Galena, Ill.
Gillie Machine Co., Tonawanda, N. Y.
Goldens' Foundry & Machine Co., Columbus, Ga.
Grant Pulley & Hardware Co., 101 Park av, New York
Great Western Mfg. Co., Leavenworth, Kans.
Hanson Clutch & Machinery Co., Tiffin, O
Hardie-Tynes Mfg. Co. (Heavy), Birmingham, Ala.
Henderson W. K. Iron Works & Supply Co., Shreveport, La.
Hesse-Ersted Iron Wks., E 8th & Taylor, Portland, Ore.
Hess-Snyder Co., Massillon, O.
Hill Clutch Machine & Foundry Co., W 65th, Cleveland, O.
Holyoke Machine Co., Holyoke, Mass.
Howard Iron Works, Buffalo, N. Y.
Hunt Rodney Machine Co., Orange, Mass.
Hunter Jas. Machine Co., North Adams, Mass.
Janney & Co., Montgomery, Ala.
JONES W. A. FOUNDRY & MACHINE CO. (Solid and Split), 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book
Kaestner & Hecht Co., 500 Throop, Chicago, Ill.
Klotz Machine Co., Sandusky, O.
Lane Mfg. Co., Montpelier, Vt.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Mecklenburg Iron Works, 510H W Trade, Charlotte, N. C.
MEDART COMPANY THE, 3500 De Kalb, St. Louis, Mo.
See adv index at end of book

(Continued on following page)

Pyott Foundry Co.

Fly Wheels Sheave Wheels Hangers Couplings Collars
Sprocket Wheels Gears Clutches Shafting
Gear Blanks Castings

REDFACE PULLEYS



CAST IRON PULLEYS

in all sizes from 3″ dia. to 144″ dia. and from 1″ to 60″ face.
Pulleys up to 24″ dia. in stock.

Branch
100 Greenwich St.
N. Y. City

Pyott Foundry Co.
324 N. Sangamon St., Chicago, Ill.
Rep. Palmer Bee Co., Detroit, Mich.

Branch
301 Jackson Bldg.
Buffalo, N. Y.



Pulleys (Cast Iron)—Continued

Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.
Minster Machine Co., Minster, O.
Nordeen Foundry Co., Everett, Wash.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Plamondon A. Mfg. Co., 5315 S Western blvd, Chicago, Ill.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Pusey & Jones (Cast Iron, Tapered Cone, Expanding), H, Poplar, Wilmington, Del.
PYOTT FOUNDRY CO., 324 N Sangamon, Chicago, Ill.
See adv index at end of book
Rhode Island Supply & Sprinkler Co. (Jobbers), 156H W. Exchange, Providence, R. I.
Santa Fe Foundry Co., Richmond, Cal.
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
Smith Co., S. Morgan, P. O. Box 667, York, Pa.
Smith H. B. Machine Co., Smithville, N. J.
Smith Winfield H., 14 Lock, Buffalo, N. Y.
Southern Engine & Boiler Mfg. Co., Jackson, Tenn.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Standard Pulley Co., 1738 Power, Cincinnati, O.
Stover Mfg. & Engine Co., Freeport, Ill.
Stephens-Adamson Mfg. Co., Aurora, Ill.
Strait H. N. Mfg. Co., Kansas City, Kans.
Toledo Foundry & Machine Co., Toledo, O.
Union Iron Works, Decatur, Ill.
United Iron Works Inc., Kansas City, Mo.
Walker Mfg. Co., 2156 15th, Denver, Colo.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.
Withers Foundry & Machine Works, Atlanta, Ga.
Western Iron & Foundry Co., Wichita, Kans.
Wolf Co., Chambersburg, Pa.
Wood's T. B. Sons Co., Chambersburg, Pa.
Woonsocket Machine & Press Co., Woonsocket, R. I.

11730— Pulleys (Ceiling)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Palmer I. E. Co., Middletown, Conn.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Smith Winfield H., 14 Lock, Buffalo, N. Y.
Stover Mfg. & Engine Co., Freeport, Ill.
Stowell Co., The, South Milwaukee, Wis.

11731—Pulleys (Clothes Line, Cast Iron)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Browne & Dowd Mfg. Co., Meriden, Conn.
Clough John H., Corry, Pa.
Corbin P. & F. ("Corbin"), Dept. H, New Britain, Conn.
Gray Iron Foundry Co. (Galvanized), Reading, Pa.
Irwin-Hodson Co., 115 N 15th, Portland, Ore.
Peck, Stow & Wilcox ("Knot Passing"), Southington, Conn.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Reading Saddle & Mfg. Co. ("Sure Grip"), Reading, Pa.
S. R. Mfg. Co., Schenectady, N. Y.
Sargent & Co., New Haven, Conn.
Stover Mfg. & Engine Co., Freeport, Ill.
Susquehanna Casting Co., Wrightsville, Pa.
Williams A. C. Co., Ravenna, O.
Wrightsville Hardware Co. ("Brighton"), Wrightsville, Pa.

11732—Pulleys (Clothes Line, Steel)

Corbin P. & F. ("Corbin"), Dept. H, New Britain, Conn.
New York Stamping Co. ("Acme" Stamped Steel, Porcelain Wheel), N 11th & Berry, Brooklyn, N. Y.

11733—Pulleys (Clothes Line, Wooden)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
ESTES E. B. & SONS, 364 5th, New York *See adv index at end of book*
Richardi & Bechtold, Bellaire ,Mich.
Selb Bros. Co. (Iron), 100 Boyd av, Jersey City, N. J.

11734— Pulleys (Cone)

Bailey Burruss Mfg. Co., Atlanta, Ga.
Brown A. & F. Co., 79 Barclay, New York.
Caldwell W. E. Co., Louisville, Ky.
Christiana Mach. Co. (Taper & Step), Dept. H, Christiana, Pa.
Cork Insert Co. ("Cork Insert"), 164 Federal, Boston, Mass.
Cressen-Morris Co., Allegheny & 18th, Phila., Pa.
Dodge Mfg. Corp., Mishawaka, Ind.
Eastwood Benj. Co., Paterson, N. J.
Evans Friction Cone Co. (Countershaft, Variable Speed), Newton Center, Mass.
Hartford Machine Screw Co., Hartford, Conn.
Hill Clutch Machine & Foundry Co., W 65th, Cleveland, O.
Holyoke Machine Co Worcester, Mass.
Howard Iron Works, Buffalo, N. Y.
JONES W. A. FOUNDRY & MACHINE CO., 4442 W Roosevelt rd, Chicago, Ill. *See adv index at end of book*
Lane Mfg. Co., Montpelier Vt.
Medart Company The, 3500 De Kalb, St. Louis, Mo.
See adv index at end of book
Menasha Wood Split Pulley Co. ("Menasha"), Menasha, Wis.
S. C. Regulator Mfg. Co. (Wood), Fostoria, Ohio
Saginaw Mfg. Co., Saginaw, Mich.
Stephens-Adamson Mfg. Co. ("S.-A."), Aurora, Ill.
Wolf Co., Chambersburg, Pa.
Wood's T. B. Sons Co. (Step Taper, etc), Chambersburg, Pa.
Woonsocket Machine & Press Co., Woonsocket, R. I.

11735—Pulleys (Cork Insert)

American Pulley Co., 114 S Clinton, Chicago, Ill.
Cork Insert Co., 164 Federal, Boston, Mass.
Wood's T. B. Sons Co., Chambersburg, Pa.

Pulleys (Electric Lamp)

See Pulleys, Arc Lamp

11736— Pulleys (Fibre)

Diamond State Fibre Co., Dept. 37, Bridgeport, Pa. *See adv index at end of book*

11737— Pulleys (Flanged)

American Pulley Co., 114 S Clinton, Chicago, Ill.
Bailey Burruss Mfg. Co., Atlanta, Ga.
Bond Foundry & Machine Co., Penn, Manheim, Pa.
Brown A. & F. Co., 79 Barclay, New York
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago, Ill.
Caldwell W. E. Co., Louisville, Ky.
Christiana Mach. Co., Dept. H, Christiana, Pa.
Cork Insert Co. ("Cork Insert"), 164 Federal, Boston, Mass.
Cresson-Morris Co., Allegheny & 18th, Phila., Pa.
Dodge Mfg. Corp., Mishawaka, Ind.
Eastwood Benj. Co., Paterson, N. J.
Erie Clutch & Machine Co., Cuyahoga Falls, Ohio
Golden's Foundry & Machine Co., Columbus, Ga.
Hanson Clutch & Machinery Co., Tiffin, O.
Hill Clutch Co., W 65th, Cleveland, O.
Holyoke Machine Co, Holyoke, Mass.
Howard Iron Works, Buffalo, N. Y.
Hunt Rodney Mach. Co., Orange, Mass.
Jones W. A. Foundry & Machine Co., 4401 W 12th, Chicago, Ill.
Link-Belt Company, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
PYOTT FOUNDRY COMPANY, 324 N Sangamon st, Chicago
See adv index at end of book
Saginaw Mfg. Co., Saginaw, Mich.
Standard Pulley Co., 1738H Power, Cincinnati, O.
Stephens-Adamson Mfg. Co. ("S.-A."), Aurora, Ill.
Union Iron Works, Decatur, Ill.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Wolf Co., Chambersburg, Pa.
Wood's T. B. Sons Co., Chambersburg, Pa.
Woonsocket Mach. & Press Co., Woonsocket, R. I.

11738—Pulleys (Friction Clutch)

See also Clutches, Friction

Allis Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Bailey Burruss Mfg. Co., Atlanta, Ga.
Bauroth Bros., Springfield, O.
Bond Foundry & Machine Co., Penn, Manheim, Pa.
Brown A. & F. Co., 79 Barclay, New York
Brown & Sharpe Mfg. Co. (Self-Oiling), Providence, R. I.
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago, Ill.
Caldwell W. E. Co., Louisville, Ky.
Carrouthers & Fithian Clutch Co., Grove City, Pa.
Cedar Rapids Foundry & Machine Co., Cedar Rapids, Ia.
Chain Belt Co., Milwaukee, Wis.
Chamberlain Machine Works (For Cream, Separators), Waterloo, Ia.
CHICAGO PULLEY & SHAFTING CO. (Also Loose Ball Bearing), 29 N Desplaines, Chicago, Ill.
Christiana Mach. Co., Dept. H, Christiana, Pa.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
CONWAY CLUTCH CO., 1960 W 6th, Cincinnati, O. *See adv index at end of book*
Cresson-Morris Co., Allegheny & 18th, Phila., Pa.
Delaware Hard Fibre Co. ("Egyptian" Fibre), Wilmington, Del.
See adv index at end of book
Diamond Iron Works, 2d & 18th av, N, Minneapolis, Minn.
Dissinger C. H. A. & Bro. Co. ("Capital"), Wrightsville, Pa.
Dodge Mfg. Corp., Mishawaka, Ind.
Eastern Machinery Co., New Haven, Conn.
Edgemont Machine Co., Dayton, O.
Fairbanks, Morse & Co. ("Eclipse"), 900 S Wabash av, Chicago, Ill.
Falls Clutch & Machinery Co., Cuyahoga Falls, O.
Garland M. Co. (Clutch), Bay City, Mich.
Great Western Mfg. Co., Leavenworth, Kans.
Hanson Clutch & Machy. Co., Tiffin, O.
Havana Mfg. Co. (Double Grip), Havana, Ill.
Hess, Snyder Co., Massillon, O.
HILL CLUTCH MACHINE & FOUNDRY CO. (Solid & Split), W 65th, Cleveland, Ohio
Holyoke Machine Co., Worcester, Mass.
Hunt Rodney Machine Co., Orange, Mass.
Hunter Jas. Machine Co., North Adams, Mass.
Johnson Carlyle Machine Co. ("Johnson"), Manchester, Conn.
JONES W. A. FOUNDRY & MACHINE CO., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book

Lasure Friction Clutch Co., Watertown, Wis.
LINK-BELT COMPANY ("Caldwell," "Disk" & "Twyncone"), 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
McMahon & Co. ("McMahon"), Water cor Ledge, Worcester, Mass.
Mason Volney W. & Co., 2 Lafayette, Providence, R. I.
Medart Company, The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.
Minster Machine Co. ("Herken" for Gas Engines), Minster, O.
Moore-Master Mfg. Co., 3445 N Western av, Chicago, Ill.
Moore & White Co., N 15th & Lehigh av, Phila., Pa.
O. K. Clutch & Machinery Co. ("O. K."), Columbia, Pa.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Plamondon A. Mfg. Co., 12 N Clinton, Chicago, Ill.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Pusey & Jones Co., Wilmington, Del.
PYOTT FOUNDRY COMPANY, 324 N Sangamon st, Chicago
See adv index at end of book
Sandy Hill Iron & Brass Works ("Hercules"), Hudson Falls, N. Y.
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
Sly W. W. Mfg. Co., 4700 Train av, Cleveland, O.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Standard Pulley Co. ("Standard-Baechle"), 1738 Power, Cincinnati, O.
Stephens-Adamson Mfg. Co. ("S-A" Steel Plate), Aurora, Ill.
Union Iron Works, Decatur, Ill.
Walker Mfg. Co. (Patent Balanced), 2156 15th, Denver, Colo.
WEBSTER MFG. CO., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Weller Engineering Co., Elyria, O.
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, Ohio
WESTERN ENGINEERING & MFG. CO. ("Cleveland"), 2604 Irving Park blvd, Chicago, Ill. *See adv index at end of book*
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book
Wolf Co., Chambersburg, Pa.
Wood's T. B. Sons Co., Chambersburg, Pa.
Yocom Jas. & Son, 145 N 2d, Phila., Pa.

11739— Pulleys (Galvanized)

Barry Mfg. Co., 901 E 4th, Muscatin, Ia.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Stover Mfg. & Engine Co., Freeport, Ill.

11740— Pulleys (Governor)

Holland Engine Co. ("Parker"), Holland, Mich.
Iowa Steel & Iron Works, Cedar Rapids, Iowa
PYOTT FOUNDRY COMPANY, 324 N Sangamon st, Chicago
See adv index at end of book
Wisconsin Farm Implement Co. ("Wisconsin"), Beloit, Wis.
Wood's T. B. Sons Co., Chambersburg, Pa.

11741— Pulleys (Grooved)

Boston Gear Works ("Boston") (Brass & Cast Iron), Norfolk Downs, Quincy, Mass. *See adv index at end of book*
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago, Ill.
Caldwell W. E. Co., Louisville, Ky.
Christiana Mach. Co., Dept. H, Christiana, Pa.
Eastwood Benj. Co., Paterson, N. J.
Hill Clutch Machine & Foundry Co., W 65th, Cleveland, Ohio
Hunter James Machine Co., N Adams, Mass.
Jones W. A. Foundry & Machine Co., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Menasha Wood Split Pulley Co. ("Menasha"), Menasha, Wis.
PYOTT FOUNDRY COMPANY, 324 N Sangamon st, Chicago
See adv index at end of book
Saginaw Mfg. Co., Saginaw, Mich.
Stephens-Adamson Mfg. Co. ("S.-A." Rope), Aurora, Ill.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Wood's T. B. Sons Co., Chambersburg, Pa.

11742— Pulleys (Guide)

Brown A. & F. Co., 79 Barclay, New York.
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago, Ill.
Cresson-Morris Co., Allegheny & 18th, Phila. Pa.
Dodge Mfg. Corp., Mishawaka, Ind.
Falls Clutch & Machinery Co., Cuyahoga Falls, O.
Hanson Clutch & Machinery Co., Tiffin, O.
Hill Clutch Machine & Foundry Co., W 65th, Cleveland, O.
Hunt Rodney Mach. Co., Orange, Mass.
Hunter Jas. Machine Co., North Adams, Mass.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Myers F. E. & Bro. ("Myers O. K." "Meyers" "Reed" "Sure Grip" & "Faultless," also "Meyers Universal" Reversible & "Meyers" Self Locking Sling Pulleys), 900 Orange, Ashland, O.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Stover Mfg. & Engine Co., Freeport, Ill.
Toledo Foundry & Machine Co., Toledo, O.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Wolf Co., Chambersburg, Pa.
Wood's T. B. Sons Co., Chambersburg, Pa.

11743— Pulleys (Hay Fork)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Cheney S. & Son (Scoville's), Manlius, N. Y.
Colebrookdale Iron Co., Pottstown, Pa.
Goshen Mfg. Co., Goshen, Ind.
Hunt, Helm, Ferris & Co. (Star," "O K.," "Peerless"), Harvard, Ill.
Louden Machinery Co. ("Louden"), Fairfield, Ia.
Mason F. C. & Co., St. Johns, Mich.
Milwaukee Hay Tool Co. ("Milwaukee"), Layton Park, Milwaukee, Wis.
Myers F. E. & Bro. ("Myers O. K.," "Myers," "Reed," "Sure Grip" & "Faultless;" also "Myers Universal" Reversible & "Myers" Self-Locking Sling Pulleys), 950 Orange, Ashland, Ohio *See adv index at end of book*
Ney Mfg. Co., Canton, O.
Ney V. L. Hay Tool Co. (Wood & Metal), Canton, O.
Penn Hardware Co., Reading, Pa.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Porter J. E. Co. ("Porter," "Self-Locking Sling," "Sling-Binding"), Ottawa, Ill.
Ricker Mfg. Co., Rochester, N. Y.
Stowell Co., The, ("Stowell," Anti-Friction & Common), South Milwaukee, Wis.
Strickler Hay Tool Co. ("Strickler") Janesville, Wis.
Susquehanna Casting Co., Wrightsville, Pa.
Swineford G. A. Co., Canton, O.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Weller Hardware & Foundry Co., Horseheads, N. Y.
Wrightsville Hardware Co., Wrightsville, Pa.

11744— Pulleys (Iron, Split)

Badger Gas & Gasoline Engine Co., Kansas City, Kans.
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Bond Foundry & Machine Co., Penn, Manheim, Pa.
Brown A. & F. Co., 79 Barclay, New York
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago, Ill.
Caldwell W. E. Co., Louisville, Ky.
Chain Belt Co., Milwaukee, Wis.
See adv index at end of book
Christiana Mach. Co., Dept. H, Christiana, Pa.
Cork Insert Co. ("Cork Insert"), 164 Federal, Boston, Mass.
Dodge Mfg. Corp., Mishawaka, Ind.
Eastwood Benj. Co., Paterson, N. J.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Golden's Foundry & Machine Co., Columbus, Ga.
Hanson Clutch & Machinery Co., Tiffin, O.
Henderson W. K. Iron Works & Supply Co., Shreveport, La.
Hill Clutch Machine & Foundry Co., W 65th, Cleveland, O.
Holyoke Machine Co., Worcester, Mass.
Howard Iron Works, Buffalo, N. Y.
Hunter James Machine Co., N Adams, Mass.
JONES W. A. FOUNDRY & MACHINE CO., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
PYOTT FOUNDRY COMPANY, 324 N Sangamon st, Chicago
See adv index at end of book
Roanoke Iron Works, Inc., Roanoke, Va.
Salem Foundry & Machine Works, Salem, Va.
Smith Co., S. Morgan, P. O. Box 667, York, Pa.
Standard Pulley Co., 1738H Power, Cincinnati, O.
Stephens-Adamson Mfg. Co. ("S.-A."), Aurora, Ill.
Union Iron Works, Decatur, Ill.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Wolf Co., Chambersburg, Pa.
Wood's T. B. Sons Co., Chambersburg, Pa.

11745—Pulleys (Leather Rim)

Buffalo Pulley & Caster Co., Inc., 182 Breckenridge, Buffalo, N. Y.

11746— Pulleys (Loose)

American Pulley Co., 4200 Wissahickon av, Phila., Pa.
Atlas Ball Co., N American & Glenwood, Phila, Pa.
Bailey Burruss Mfg. Co., Atlanta, Ga.
Barnard & Leas Mfg. Co., 403 20th, Moline Ill.
Bond Foundry & Machine Co., Penn, Manheim, Pa.
Brown A. F. Co., 79 Barclay, New York.
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago, Ill.
Caldwell W. E. Co., Louisville, Ky.
Chain Belt Co., Milwaukee, Wis.
See adv index at end of book
CHICAGO PULLEY & SHAFTING CO. (Ball Bearing Dlrs.), 29 N Desplaines, Chicago, Ill.
Christiana Mach. Co., Dept. H, Christiana, Pa.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Dodge Mfg. Corp., Mishawaka, Ind.
Eastwood Benj. Co., Paterson, N. J.
Golden's Foundry & Machine Co., Columbus, Ga.
Hanson Clutch & Machinery Co., Tiffin, O.
Hill Clutch Machine & Foundry Co., W 65th, Cleveland, O.
Holyoke Machine Co., Worcester, Mass.
Howard Iron Works, Buffalo, N. Y.
Hunt Rodney Mach. Co., Orange, Mass.
Hunter James Machine Co., N Adams, Mass.
JONES W. A. FOUNDRY & MACHINE CO. (Ring Oiling), 4442 W Roosevelt rd, Chicago, Ill. *See adv index at end of book*
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
McMaster-Carr Supply Co. ("Maymont," Self-Oiling), 174 N Market, Chicago, Ill.
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Menasha Wood Split Pulley ("Menasha"), Menasha, Wis.
Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.
Nordyke & Marmon Co. (Also Tight), Kentucky av & Morris, Indianapolis, Ind.
PYOTT FOUNDRY COMPANY, 324 N Sangamon st, Chicago
See adv index at end of book
S. C. Regulator Mfg. Co. (Wood), Fostoria, Ohio
Saginaw Mfg. Co., Saginaw, Mich.
Standard Pressed Steel Co. (Tight & Loose), Jenkintown, Pa.
Standard Pulley Co., 1738H Power, Cincinnati, O.
Transmission Ball Bearing Co., 1056 Military rd, Buffalo, N. Y.
Union Iron Works, Decatur, Ill.
Walker Mfg. Co., Denver, Colo.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
WILMARTH & MORMAN CO. ("Nelson"), 1174 Monroe av, Grand Rapids, Mich. *See adv index at end of book*
Wolf Co., Chambersburg, Pa.
Wood's T. B. Sons Co. (Also Light), Chambersburg, Pa.

11747—Pulleys (Machine Moulded)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Bond Foundry & Machine Co., Penn, Manheim, Pa.
Brown A. & F. Co., 79 Barclay, New York.
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago, Ill.
Caldwell W. E. Co., Louisville, Ky.
Chain Belt Co., Milwaukee, Wis.
See adv index at end of book
Cork Insert Co. ("Cork Insert"), 164 Federal, Boston, Mass.
Covel Mfg. Co., Benton Harbor, Mich.
Dodge Mfg. Corp., Mishawaka, Ind.
Goldens' Foundry & Machine Co., Columbus, Ga.
Great Western Mfg. Co., Leavenworth, Kans.
Hanson Clutch & Machinery Co., Tiffin, O.
Hill Clutch Machine & Foundry Co., W 65th, Cleveland, O.
Holyoke Machine Co., Worcester, Mass.
Howard Iron Works, Buffalo, N. Y.
JONES W. A. FOUNDRY & MACHINE CO., 4442 W Roosevelt rd, Chicago Ill. *See adv index at end of book*
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

(Continued on following page)

Pulleys (Machine Moulded)—Cont.

McLagon Foundry Co., New Haven, Conn.
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Mobile Stock & Pulley Mfg. Co., Mobile, Ala.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Standard Pulley Co., 1738H Power, Cincinnati, O.
Stephens-Adamson Mfg. Co., Aurora, Ill.
Union Iron Wks., Decatur, Ill.
Walker Mfg. Co., Denver, Colo.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Wood's T. B. Sons Co., Chambersburg Pa.

11747a—Pulleys (Magnetic)

Cutler-Hammer Mfg. Co., 12th & St. Paul, av, Milwaukee, Wis. *See adv index at end of book*
DINGS MAGNETIC SEPARATOR CO., 616 Smith, Milwaukee, Wis. *See adv index at end of book*
MAGNETIC MFG. CO. (High Duty), 279 23d av, Milwaukee, Wis. *See adv index at end of book*

11748— Pulleys (Paper)

Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*

11748a— Pulleys (Plow)

Fraser & Jones Co., Syracuse, N. Y.
Stowell Co., The, So. Milwaukee, Wis.

11749—Pulleys (Pressed Steel)

American Pulley Co. (Split Belt for Power Transmission), 4200 Wissahickon av, Phila., Pa.
Barry Mfg. Co., 901 E 4th, Muscatine, Ia.
Chicago Pulley & Shafting Co. (Dirs.), 40 S Clinton, Chicago, Ill.
Cork Insert Co. ("Cork Insert"), 164 Federal, Boston, Mass.
Cresson-Morris Co., 18th & Allegheny, Phila., Pa.
MEDART COMPANY THE (Steel Rim), 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Porter Machine Co., Wooster, O.
Standard Pressed Steel Co., Jenkintown, Pa.
WORCESTER PRESSED STEEL CO. (Flat Crown Face & Split), Worcester, Mass. *See adv index at end of book*

11749a—Pulleys (Ring Oiling)

JONES W. A. FOUNDRY & MACHINE CO., 4442 W Roosevelt rd, Chicago, Ill. *See adv index at end of book*

11750— Pulleys (Sash)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Pulley Co. ("American," "Eagle" Pressed Steel Electrically Welded), 4200 Wissahickon av, Phila., Pa.
Austin & Eddy, 117 Broad, Boston, Mass.
Chantrell Hardware & Tool Co., Reading, Pa.
Clarkson Mfg. Co. (Ball Bearings), Lancaster & Dallas, Baltimore, Md.
Coleman Hdwe. Co. ("Coleman"), 952 N Michigan av., Chicago, Ill.
Columbian Hardware Co., Cleveland, O.
Corbin P. & F., New Britain, Conn.
Grand Rapids Hdwe Co. ("Grand Rapids," "Bridgeport" All Steel Ball Bearings), Grand Rapids, Mich.
Grant Pulley & Hardware Co. ("Grant" Overhead & "American" Steel), 101 Park av, New York
Johnston & Sharp Mfg. Co. ("Ottumwa" Ball Bearing Steel), Ottumwa, Ia.
Kline Hardware Co, Allentown, Pa.
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Los Angeles Weightless Sash Pulley Co., 1049 E Slauson, Los Angeles, Cal.
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co. ("Penn-Titian," "Penn - Vulcan," "Penn - Spartan"), Reading, Pa.
Riverside Foundry Co., Wrightsville, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., Water & Walce, New Haven, Conn.
Seidel Mfg. Co. ("Seidel" Noiseless), Boatmen's Bank bldg, St. Louis, Mo.
Sloan Frank B. & Co. ("Norris," "National"), 530 St. Paul, Baltimore, Md.
Smith Frank F. Hardware Co. ("Smith's Improved "Overhead"), 81H Clay, Newark, N. J.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Stover Mfg. & Engine Co. ("Ideal"), Freeport, Ill.

11751— Pulleys (Screw)

Corbin P. & F. ("Corbin"), Dept. H, New Britain, Conn.
Judd H. L. Co., 87 Chambers, New York
Ney Mfg. Co., Canton, O.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., Water & Walce, New Haven, Conn.
Stover Mfg. & Engine Co., Freeport, Ill.
Wrightsville Hardware Co., Wrightsville, Pa.

11752—Pulleys (Self-Oiling)

Brown A. & F. Co., 79 Barclay, New York
Brown Engineering Co. ("Brown"), 100 N 3rd, Reading, Pa.
Caldwell W. E. Co., Louisville, Ky.
Hanson Clutch & Machinery Co., Tiffin, O.
Holyoke Machine Co., Worcester, Mass.
Jones W. A. Foundry & Machine Co., 4442 W Roosevelt rd, Chicago, Ill. *See adv index at end of book*
Luther B. G. Co., 91 Foster, Worcester, Mass.
McMaster-Carr Supply Co. ("Maymont" Loose), 174 N Market, Chicago, Ill.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
PYOTT FOUNDRY COMPANY, 330 N Sangamon st, Chicago *See adv index at end of book*
Susquehanna Casting Co., Wrightsville, Pa.
Walker Mfg. Co., 2156 15th, Denver, Colo.
WILMARTH & MORMAN CO. ("Nelson"), 1174 Monroe av, Grand Rapids, Mich. *See adv index at end of book*
Wood's T. B. Sons Co., Chambersburg, Pa.
Wrightsville Hdw. Co. ("Niagara," "Star," "Acme," "Gem" & "Empire" for Auger Mortises), Wrightsville, Pa.

11753—Pulleys (Show Case)

Grant Pulley & Hardware Co., 101 Park av, New York
Penn Hardware Co., Reading, Pa.

Pulleys (Sleet Proof)

See Pulleys, Arc Lamp

Pulleys (Speed Changing)

See Variable Speed Transmission

11754—Pulleys (Steel Split)

American Machinery Co. ("American"), 103 W Water, Milwaukee, Wis.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Dodge Mfg. Corp., Mishawaka, Ind.
Hunt Rodney Mach. Co., Orange, Mass.
Medart Company The (Steel Rim), 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
PYOTT FOUNDRY COMPANY, 330 N Sangamon st, Chicago *See adv index at end of book*
Standard Pressed Steel Co., Jenkintown, Pa.
Stephens-Adamson Mfg. Co. ("S.-A."), Aurora, Ill.

Pulleys (Well)

See Wheels, Well

11755—Pulleys (Wire Tightening)

Smith Otis A. (Pulley & Eccentric Clamp Attached for Wire Fence & Telephone Wire, etc), Rockfall, Conn.

11755a— Pulleys (Wood)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Reeves Pulley Co. ("Reeves"), Dept. H, Columbus, Ind.

11756—Pulleys (Wood Rim)

Carey W. W. Co., Lowell, Mass.
Cork Insert Co. ("Cork Insert"), 164 Federal, Boston, Mass.
Dodge Mfg. Corp., Mishawaka, Ind.
Lane Mfg. Co., Montpelier, Vt.
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Menasha Wood Split Pulley Co. ("Menasha"), Menasha, Wis.
S. C. Regulator Mfg. Co., Fostoria, O.
Saginaw Mfg. Co., Saginaw, Mich.

11757— Pulleys (Wood Split)

Burlingame A. Co., 149 Commercial, Worcester, Mass.
Compressed Spruce Products Co., 1010 East E, Tacoma, Wash.
Chicago Pulley & Shafting Co. (Jobbers), 29 N Desplaines, Chicago, Ill.
Dodge Mfg. Corp., Mishawaka, Ind.
Eclipse Wood Pulley Co., Berlin, Pa.
Excelsior Pulley Co. ("Excelsior"), Cuba, N. Y.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Forster John M. Co., Rochester, N. Y.
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Menasha Wood Split Pulley Co. ("Lawson"), Menasha, Wis.
Ohio Valley Pulley Works (Limestone), Maysville, Ky.
Oneida Wood Pulley Co. ("Oneida"), Oneida, N. Y.
PYOTT FOUNDRY COMPANY, 330 N Sangamon St., Chicago
Reading Wood Pulley Co. (Wood Rim & Wood Centre & Wood Rim & Iron Centre), Reading, Pa.
Roanoke Iron Works, Roanoke, Va.
S. C. Regulator Mfg. Co., Fostoria, Ohio
Saginaw Mfg. Co. ("Gilbert"), Saginaw, Mich.
Salem Foundry & Machine Works, Salem, Va.
Strong, Carlisle & Hammond Co. ("Reeves"), 336-344 Frankfort av, N W, Cleveland, O.
Woonsocket Machine & Press Co., Woonsocket, R. I.

11758—Pulleys (Wrought Steel)

American Pulley Co. ("American" Whole Steel), 4200 Wissahickon av, Phila., Pa.
Chicago Pulley & Shafting Co. (Dirs.), 29 N Desplaines, Chicago, Ill.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book.*
Cork Insert Co. ("Cork Insert"), 164 Federal, Boston, Mass.
Dick R. & J. Ltd. ("Barry Steel Split Pulley"), Passaic, N. J.
Frick & Lindsay Co., Sandusky & Robinson, Pittsburgh, Pa. *See adv index at end of book*
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
MEESE & GOTTFRIED CO. (Steel Rim), 19th & Harrison San Francisco, Cal.
Rhode Island Supply & Sprinkler Co. ("Keystone," Jobbers), 156H W. Exchange, Providence, R. I.
Strong, Carlisle & Hammond Co. ("American"), 336-344 Frankfort av, N W, Cleveland, O.
New York

11759— Pulls (Box)

Berbecker & Rowland Mfg. Co. (Brass), Waterville, Conn.
Ludwig A. & Co., 75 Spring, New York

11760— Pulls (Closet)

American Brass & Copper Co., 138 Lafayette, New York
Bernz Co., Inc., Otto, 17 Ashland, Newark, N. J. *See adv index at end of book*
Boekel Wm. & Co., 518 Vine, Phila., Pa.
Bogert & Hopper, Inc., Wooden), 57 Barclay, New York *See adv index at end of book*
Church C. F. Mfg. Co. ("White Pyralin"), Holyoke, Mass.
Coyne & Delany Co., 322 Kent av, Brooklyn, N. Y.
ESTES E. B. & SONS (Wooden), 364 5th av, New York *See adv index at end of book*
Ireland & Matthews Mfg. Co. (Metal), Beard & Chatfield, Detroit, Mich.
Maddock John & Sons (Porcelain), Trenton, N. J.
Meyer-Sniffen Co., 11 W 48th, New York
Mott J. L. Iron Works (Porcelain), Trenton, N. J.
Russell J. M. Mfg. Co., Naugatuck, Conn.
Silicocks-Miller Co. ("Celluvarno"), South Orange, N. J.
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Stratton Mfg. Co., Stratton, Me.
Trenton Potteries Co. (Porcelain), Trenton, N. J.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Wolverine Brass Works, Grand Rapids, Mich.

11761— Pulls (Door)

Allith-Prouty Co. ("Prouty"), Danville, Ill.
Arcade Mfg. Co., Freeport, Ill.
Art Brass & Plating Works, 539 1st av, S Seattle, Wash.
Aurora Door Hanger & Specialty Co., Aurora, Ill.
Axford & De Shields, Chestnut & University, San Jose, Cal.
Bogert & Hopper, Inc.(Wood), 57 Barclay, New York *See adv index at end of book*
Brainerd Mfg. Co., East Rochester, N. Y.
Brewer Bros. Co. (Wrought), 2743 N 2nd, Phila., Pa.
Brey & Krause Mfg. Co., 244 N Front, Allentown, Pa.
Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Champion Hardware Co. ("Champion"), Geneva, O.
Cheney S. & Son, Manlius, N. Y.
Columbian Hardware Co. ("Columbian" & "Gem"), Cleveland, O.
Columbus Brass Co., 620 Dublin av, Columbus, Ohio *See adv index at end of book*
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Dent Hardware Co., Fullerton, Pa.
Earle Hardware Mfg. Co., 2369 E 51st, Los Angeles, Cal.
Estes E. B. & Sons (Wood), 364 5th av, New York. *See adv index at end of book*
Fernald Mfg. Co., North East, Pa.
Frantz Mfg. Co., Sterling, Ill.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Grey Iron Casting Co. (Plain & Fancy), Mt. Joy, Pa.
Griffin Mfg. Co., Erie, Pa.
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Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
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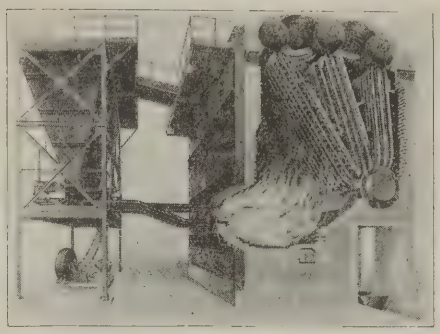
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Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

11762-3— Pulls (Drawer)

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Allith-Prouty Co. ("Prouty"), Danville, Ill.
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Arcade Mfg. Co., Freeport, Ill.
Berbecker & Rowland Mfg. Co. (Cast & Wrought Brass Ring, Drop), Waterville, Conn.
Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
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Columbian Hardware Co., Cleveland, O.
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Corbin P. & Y., New Britain, Conn.
Dent Hardware Co. (Plain, Ornamental, Escutcheons & Druggists', etc), Fullerton, Pa.
Eagle Lock Co., Terryville, Conn.
Earle Hardware Mfg. Co., 2369 E 51st, Los Angeles, Cal.
Ellis Mfg. Co., Milldale, Conn.
Estes E. B. & Sons (Wood), 364 5th av, New York. *See adv index at end of book*
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Harry Bros. Mfg. Co. (Polished Brass), 282 Woodbridge E, Detroit, Mich.
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Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Sharon Hardware Mfg. Co. (All Steel), Sharon, Pa.
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Shelby Spring Hinge Co. (Steel, Bronze or Brass Metal, Polished), Shelby, O.
Stanley Works, New Britain, Conn.
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*
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See adv index at end of book
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Taylor & Boggis Foundry Co. (Drop), Cleveland, O.
Technical Glass Co., Inc. ("Tegco"), 2740 Compton av, Los Angeles, Cal.
Washburn Co. (Wire Goods Div.), 28 Union, Worcester, Mass.
Weber-Knapp Co., Jamestown, N. Y.
Western Brass Mfg. Works (Cast Brass or Bronze), Marshall blvd & W 21st, Chicago, Ill.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Wilcox Mfg. Co., 4324 West Lake, Chicago, Ill.
Wrightsville Hardware Co., Wrightsville, Pa.

11764— Pulls (Screen Door)

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Brooks M. S. & Sons (Also Ring Shade Pulls), Chester, Conn.
Columbian Hardware Co., Cleveland, O.
Corbin P. & F., New Britain, Conn.
Grey Iron Casting Co., Mt. Joy, Pa.
Griffin Mfg. Co., Erie, Pa.
Hunt, Helen, Ferris & Co. ("Star," "Handy"), Harvard, Ill.
Ives H. B. Co., New Haven, Conn.
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Penn Hardware Co., Reading, Pa.
Shelby Spring Hinge Co., Shelby, O.
Stanley Works, New Britain, Conn.
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*
Stover Mfg. & Engine Co., Freeport, Ill.

Pulls (Tank)

See Pulls, Closet

11765— Pulp (Wood)

Champion Fibre Co. (Soda & Sulphite), Hamilton, O.
UNION BAG & PAPER CORP. (Spruce-Kraft, Unbleached Sulphite & Ground Wood), 233 Broadway, New York

11766— Pulpit & Altar Rails

Columbus Brass Co., 620 Dublin av, Columbus, Ohio
See adv index at end of book
Crescent Art Metal Co., Bridgeton, N. J.
Hyde-Murphy Co., Ridgway, Pa.
Imperial Brass Mfg. Co., 1200 W. Harrison, Chicago, Ill.
Newman Mfg. Co., 420 Elm, Cincinnati, Ohio
Wis. Iron & Wire Works, 1660 Booth, Milwaukee, Wis.

11767—*Pulpits (Marble & Composition)

Daprato Statuary Co., 766 W Adams, Chicago, Ill.
See adv index at end of book

11767a— Pulsometers (Acid)

Pulsometers Steam Pump Co., 220 W. 42d, New York

11767b—Pulverized Coal Burning Equipment

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Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Amsler-Morton Co. ("Amsler"), Fulton bldg, Pittsburgh, Pa.
Bonnot Co., 722 Mulberry rd S E, Canton, Ohio
Combustion Engng. Corp. ("Lopulco"), 43 Broad, New York
FULLER LEHIGH CO., Fullerton, Pa.
See adv index at end of book
Grindle Fuel Equipment Co., Harvey, Ill.

Pulverizers

See Crushers, various kinds; also Pulvering Machinery; also Mills, Grinding

11767c—Pulverizers (Air Separation)

Aero Pulverizer Co., 165 B'way, New York
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Kent Mill Co., 10 Rapelyea, Br'klyn, N. Y.
Raymond Bros., Impact Pulverizer Co., 1346 N Branch, Chicago, Ill.
Stroud E. H. & Co., 928 Fullerton av, Chicago, Ill.
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

11768—Pulverizers (Cement)

See also Cement Machinery

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Am. Pulverizer Co., 1729 Austin, St. Louis, Mo.
Bonnot Co., 722 Mulberry rd S E, Canton, O.
FULLER-LEHIGH CO., Fullerton, Pa.
See adv index at end of book
JEFFREY MFG. CO., 961 N Fourth, Columbus, O.
See adv index at end of book

(Continued on following page)

Pulverizers (Cement)—Continued

K. B. Pulverizer Co., Inc., 92 Lafayette, New York
Standard Equipment Co. ("Standard"), 63 Foote, N. Y.
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

11769— Pulverizers (Clay)

See also Crushers, Clay

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
American Pulverizing Co., 1729H Austin, St. Louis, Mo.
Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Bonnot Co., 722 Mulberry rd S E, Canton, O.
Crossley Machine Co., State & Chestnut av, Trenton, N. J.
Fernholtz Machinery Co., 2053 E 38th, Los Angeles, Cal.
See adv index at end of book
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
Mead & Co., Detroit, Mich.
Mine & Smelter Supply ("Masso"), 42 B'way, New York
Raymond Bros. Impact Pulverizer Co. 1346 N Branch, Chicago, Ill.
Stroud E. H. & Co., 928-934 Fullerton av Chicago, Ill.
United Iron Works, Inc., Kansas City, Mo.
WILLIAMS PATENT CRUSHER & PULVERIZER CO., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

11770— Pulverizers (Coal)

See also Crushers, Coal & Coke

ABBE PAUL O. INC. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
ABBE ENGINEERING CO., 38 Church, New York *See adv index at end of book*
Aero Pulverizer Co., 165 B'way, New York
Allis Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Am. Pulverizer Co., 1729 Austin, St. Louis, Mo.
Bonnot Co., 722 Mulberry rd S E, Canton, O.
Erie City Iron Works, Erie, Pa.
Fernholtz Machinery Co., 2053 E 38th, Los Angeles, Cal.
See adv index at end of book
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See adv index at end of book
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
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Lehigh Car Wheel & Axle Works, Catasauqua, Pa.
Mead-Morrison Mfg. Co., cor. Prescott & Orleans, East Boston, Mass.
Standard Equipment Co. ("Standard"), 63 Foote, New Haven, Conn.
Stroud E. H. & Co., 928-934 Fullerton av, Chicago, Ill.
United Iron Works, Inc., Kansas City, Mo.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book
WILLIAMS PATENT CRUSHER & PULVERIZER CO., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

11771— Pulverizers (Disc)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
California Plow Co., 140 Polhemus, San Jose, Cal.
Denver Fire Clay Co., Denver, Colo.
Iler Foundry & Mfg. Co., 6605 St. Clair, Cleveland, O.
Mead & Co., Detroit, Mich.

11772— Pulverizers (Emery)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Am. Pulverizer Co., 1729 Austin, St. Louis, Mo.

11772a—Pulverizers (Gypsum)

WILLIAMS PATENT CRUSHER & PULVERIZER CO., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

11773—Pulverizers (Laboratory)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Allis Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Braun Corp. ("Braun"), 363 New High, Los Angeles, Cal.
Fulton Drop Forge Co., Canal, Fulton, O.
Iler Foundry & Mfg. Co., 6605 St. Clair, Cleveland, O.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
Mead & Co. (Dry Colors & Dye Stuffs), Detroit, Mich.
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

11774—Pulverizers (Lime & Limestone)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Pulverizer Co., 1729 Austin, St. Louis, Mo.
Bartlett & Snow Co C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Bonnot Co., Canton, O.
Fernholtz Machinery Co., 2053 E 38th, Los Angeles, Cal.
See adv index at end of book
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
WILLIAMS PATENT CRUSHER & PULVERIZER CO., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

11775 —Pulverizers (Soil)

Dayton-Dowd Co., Quincy, Ill.
See adv index at end of book
Dunham Co. ("Culti-Packers"), Berea, O.

11776— Pulverizers (Stone)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
ABBE ENGINEERING CO., 38 Church, New York *See adv index at end of book*
Acme Road Machinery Co., All Kinds (Limestone), Frankfort, N. Y.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Pulverizer Co., 1729 Austin, St. Louis, Mo.
Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Fernholtz Machinery Co., 2053 E 38th, Los Angeles, Cal.
See adv index at end of book
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Hardinge Co. ("Hardinge"), 120 B'way, New York
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
New Holland Machine Co. (Limestone), New Holland, Pa.
Pennsylvania Crusher Co. ("Pennsylvania" Hammer Pulverizer), Stephen Girard bldg, Phila., Pa.
Raymond Bros. Impact Pulverizer Co ("Raymond"), 1346 North Branch, Chicago, Ill.
Standard Equipment Co. ("Standard"), 63 Foote, New Haven, Conn.
Stroud E. H. & Co., 928-934 Fullerton av Chicago, Ill.
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

11777— Pulverizers (Sugar)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
Mead & Co., 19th & M. C. R. R., Detroit, Mich.
ROBINSON H. MFG. CO., Muncy, Pa.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

11778— Pulverizers (Wood)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
Mitts & Merrill (For Extracting Turpentine, Tannin, Dye Woods & Essential Oils), 1939 S Water, Saginaw, Mich.
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

11779— Pumice Brick

Chrystal Chas. B. Co. Inc. (Imp.), 13 Cliff, New York
See adv index at end of book
Doggett Stanley (Imp., Purified), 11 Cliff, New York.
Rhodes James H. & Co. ("Rhodes" Bimsstein Fabrik), 2810 S Albany, Chicago, Ill.
Waddell R. J. & Co. (Imp), 52 Beekman, New York

11780— Pumice (Domestic)

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Kerner W. R. & Co. ("Kerner's Work-Rite" Lump & Powdered, 1329 Thorndale av, Chicago, Ill.

11781—Pumice Stone Importers

See also Rotten Stone

Barker Bros., Inc. (Powdered & Lump), 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
Behrend F., 170 Front, New York
CHRYSTAL CHAS. B. CO. INC. (Powdered, Lump & Brick), 13 Cliff, New York *See adv index at end of book*

Pumice Stone
(ITALIAN)
POWDERED and LUMP
Charles B. Chrystal Co., Inc.
13 Cliff St., New York Jersey City

Doggett Stanley (Imp.), 11 Cliff, New York
Fuerst Bros. & Co. (Imp.), 2 Stone, New York
Hammill & Gillespie, 240 Front, New York
Hanson & Van Winkle Co., 269 Oliver, Newark, N. J.
Harrison Supply Co. (Selected Lump), 209 Washington, Boston, Mass.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Kerner W. R. & Co. ("Kerner's Work-Rite" Lump & Powdered, 1329 Thorndale av, Chicago, Ill.
See adv index at end of book
New England Quartz Co. of N. Y., 150 Nassau, New York
Penna-Keystone Co., 300 Madison av, New York
Rhodes Jas. H. & Co. (Grinders of Italian), 157 W Austin av, Chicago, Ill.
Riddle Chemical Co. (Powdered & Lump), 35 S Dearborn, Chicago, Ill.
See adv index at end of book
Thurston F. W. Co. (Powdered & Lump), 1832 S Clark, Chicago, Ill.
Van Amringe Theo. & Son, 171 William, New York
Waddell R. J. & Co., 52 Beekman, New York
Wagner Charles A. Co. Inc., 222H No Front, Phila., Pa.
WIARDA JOHN C. & CO. (F-FF-FFF), 83 Provost, Brooklyn, N. Y.
See adv index at end of book

11781a— *Pump Parts

INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book

INCO
Monel metal
PUMP PARTS
1—Strong and Tough As Steel.
2—Cannot Rust or "Freeze."
3—Outwear Bronze — Twice As Strong.
4—Non-Corroding in Oil, Chemicals, Salt Water, etc.
Are YOU using Monel Metal Pump Rods?
SEE OUR INSERT AT MONEL METAL
THE INTERNATIONAL NICKEL COMPANY
67 Wall Street New York, N.Y.

11781b— Pump Primers

Harris Pump & Supply Co. (Mfg.), 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Schutte & Koerting Co., 1251 N 12th, Phila., Pa. *See adv index at end of book*

11781c— *Pump Repairs

Eimes Chas. F. Engineering Works, cor Fulton & Sangamon, Chicago, Ill.
See adv index at end of book

Pump Starters (Automatic)

See Self Starters

11781d—*Pump Valves & Seats (Rubber)

Darcoid Company, 1780 Broadway, New York *See adv index at end of book*
Harris Pump & Supply Co. (Dealers), 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Schacht Rubber Mfg. Co., Huntington, Ind.

11782—Pump & Engine (Combined)

Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book

Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Novo Engine Co., Lansing, Mich.
Van Nouhuys Mach. Kks., Albany, N. Y.

Pumping Machinery

See Machinery, Pumping; also Pumps, Various Kinds

11783—Pumping Outfits (Complete)

FAIRBANKS, MORSE & CO., 900 S Wabash av, Chicago, Ill.
See adv index at end of book

11784—Pumping Outfits (Horse Power)

Myers F. E. & Bro. Co., 950 Orange, Ashland, O. *See adv index at end of book*
Quimby Wm. E. Inc., 5 av C, Newark, N. J.
U. S. Wind Engine & Pump Co., Batavia, Ill.

11785—Pumping Outfits (Odorless)

Carter Ralph B. Co. ("Humdinger"), 152 Chambers, New York
Edson Mfg. Co. ("Edson"), 257 Atlantic av, Boston, Mass.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Novo Engine Co., Lansing, Mich.
Van Nouhuys Mach. Wks., Albany, N. Y.

11786—Pumping Systems (Fuel Oil)

Johnson S. T. & Co., 1337 Mission, San Francisco, Cal.
Wilgus Mfg. Co. ("Wilgus" for Steam Plants), Los Angeles, Cal.

11787—*Pumping Systems (Return Air)

Chicago Pneumatic Tool Co., 6 East 44th, New York *See adv index at end of book*
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
Ingersoll-Rand Co. (Air Lift), 11 B'way, New York
See adv index at end of book

11788— Pumping Units

Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Gardner Governor Co., 23 Williams, Quincy, Ill.
Moore Samuel L. & Sons (Pump & Oil Engine Combined), Elizabeth, N. J.
Moser Mfg. Co. (Oil & Gas Countay Type), Kane, Pa.
Novo Engine Co., Lansing, Mich.
Van Nouhuys Mach. Wks., Albany, N. Y.

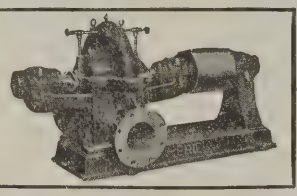
11789— Pumps (Acid)

(Names with * also manufacture Monel Metal)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Aldrich Pump Co., ft. of Pine, Allentown, Pa.
American Steam Pump Co., Battle Creek, Mich.
American Well Works, The, 110 N Broadway, Aurora, Ill.
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Barker Bros., Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
Beach-Russ Co., 38 Church, New York
See adv index at end of book

ACID PUMPS
MADE OF
HARD LEAD AND ANTIMONY
MONEL METAL—GOV'T BRONZE
Aluminum—Special Alloys
BEACH-RUSS COMPANY
38 Church Street New York City

*Beckley Perforating Co., Garwood, N. J.
Buffalo Steam Pump Co., Buffalo, N. Y.
Byron Jackson Iron Works, Sharon bldg, San Francisco, Cal.
CHEMICAL EQUIPMENT CO. ("Ceco"), 2457 S Western av, Chicago, Ill.
Chicago Pump Co., 2342 Wolfram, Chicago, Ill.
*Cleveland Wire Cloth Co., Cleveland, O.
Davidson M. T. Co., 154 Nassau, New York
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
DEMING CO., Salem, O.
See adv index at end of book
Devine J. P. Co., 1372 Clinton, Buffalo, N. Y.
D'Olier Centrifugal Pump & Machine Co., 165 B'way, New York
Duriron Castings Co. ("Duriron" Acid Proof), Dayton, O.
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, Inc., 149 Glenwood av, Medina, N. Y.
See adv index at end of book

ERIE

PUMPS
CENTRIFUGAL PUMPS
DREDGE PUMPS
STEAM ENGINES
ERIE PUMP & ENGINE WORKS
149 GLENWOOD AVE.
MEDINA, N. Y.

Farrar Pump & Mach. Co., Granite bldg, St. Louis Mo.
Foster Pump Works Inc., 37 Bridge, Brooklyn, N. Y.
Gardner Governor Co., 23 Williams, Quincy, Ill.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Hayton Pump & Blower Co., Appleton, Wis.
*Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 DeKalb av, Brooklyn, N. Y.
Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp. C. O., Southport, Conn.
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
Johnson John Co., 37th & 2nd av, Brooklyn, N. Y.
Lobee Pump & Machinery Co., Est., Buffalo, N. Y.
*Magosy & Buscher, 232 Canal, New York
Midwest Engine Co., Indianapolis, Ind.
Morris Machine Works, Baldwinsville, N. Y.
*Munning & Co. A. P., Matawan, N. J.
Nash Engineering Co. ("Nash," Hydro-Turbine), South Norwalk, Conn.
National Foundry & Machine Co., Louisville, Ky.
National Transit Pump & Machine Co., Oil City, Pa.
See adv index at end of book
Oliver Continuous Filter Co., 503 Market, San Francisco, Cal. & 33 W 42d, New York
Oliver Mfg. Co., 4th & Madison, Oakland, Cal.
Pacific Foundry Co. ("Corrosiron" Acid Proof), 18th & Harrison, San Francisco, Cal.
Penna. Pump & Compressor Co., Easton, Pa.
See adv index at end of book
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Schutte & Koerting Co. (Lead), 1251 N 12th, Phila., Pa.
See adv index at end of book
Sherwood Oliver Co., 503H Market, San Francisco, Cal.
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co. John P., New Haven, Conn.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co. W. S., Cleveland, O.
Union Steam Pump Co., Battle Creek, Mich.
Vogt Bros. Mfg. Co., Louisville, Ky.
Wagener Steam Pump Co., Canton, O.
Worthington Pump & Machy. Corp., 115 B'way, New York
Yeomans Bros. Co., 1436 Dayton, Chicago, Ill. *See adv index at end of book*
YOUNG PUMP CO., 230 E Ohio, Chicago, Ill.

11790—Pumps (Acid, Hard Rubber)

Aldrich Pump Co., ft. of Pine, Allentown, Widener bldg, Phila., Pa.
American Hard Rubber Co. (& Pipes & Fittings), 9 Mercer, New York
Barker Bros., Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
Chemical Equipment Co., 2457 S Western av, Chicago, Ill.

11791—Pumps (Acid Metal)

Aldrich Pump Co., ft. of Pine, Allentown, Pa.
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Barker Bros., Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
Boyts, Porter & Co., Dept. H, Connellsville, Pa.
Chemical Equipment Co., 2457 S Western av, Chicago, Ill.
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
Hayton Pump & Blower Co., Appleton, Wis.
Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*
Johnson John Co., 203 37th, B'klyn, N. Y.
Nassau Valve & Pump Co., Inc., Rockville Center, L. I., N. Y.
NATIONAL TRANSIT PUMP & MACHINE CO., Oil City, Pa.
See adv index at end of book
Pacific Foundry Co. ("Corrosiron" Acid Proof), 18th & Harrison, San Francisco, Cal.
Penna. Pump & Compressor Co., Easton, Pa. *See adv index at end of book*
Sherwood Oliver Co., 503H Market, San Francisco, Cal.
Traylor Engineering Manufacturing Co., Allentown, Pa.

11791a—Pumps (Acid Proof)

Aldrich Pump Co., ft. of Pine, Allentown, Pa.
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Chemical Equipment Co., 2457 S Western av, Chicago, Ill.
Chemical Pump & Valve Co., The (Pumps & Valves Made of All Kinds of Acid Resisting Material), 327 Gifford, Perth Amboy, N. J.
Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Hayton Pump & Blower Co., Appleton, Wis.
Johnson John Co., 37th & 2nd av, Brooklyn, N. Y.
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Sherwood Oliver Co., 503H Market, San Francisco, Cal.
Traylor Engineering Manufacturing Co., Allentown, Pa.

11792— Pumps (Air)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
ALLEN & BILLMYRE CO. INC., Grand Central Palace, New York
See adv index at end of book
Allis Chalmers Mfg. Co. (Steam Power), Milwaukee, Wis.
See adv index at end of book
American Electric Air Pump Co. (Electric), Penn & Barbeau, Pittsburgh, Pa.
American Steam Pump Co., Battle Creek, Mich.
Asbell S. J. Co. (Hand), Paterson, N. J.
Baker-Hansen Mfg. Co., 1900-1912 Park, Alameda, Cal.
Barnes Mfg. Co. (Hydro-Pneumatic), 700H N Main, Mansfield, Ohio
Beach-Russ Co. (For Agitating), 38 Church, New York
See adv index at end of book
Bethlehem Shipbuilding Corp., Ltd. (Monotype, Marine & Land), Dept. H, Broadhead & Parker av, Bethlehem, Pa.
Bishop & Babcock Co. (Hand & Electric Automatic), 1204 E 55th, Cleveland, Ohio
Black & Decker Mfg. Co., E Penn av, Baltimore, Md.
Blakeslee Mfg. Co., Du Quoin, Ill.
BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Buffalo Steam Pump Co. (Hand Circulating), Buffalo, N. Y.
Burton & Johnson Co., 2301 Center av, Cleveland, O.
Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Chicago Pump Co., 2342 Wolfram, Chicago, Ill.

(Continued on following page)

Pumps (Air)—Continued

Chicago Pneumatic Tool Co., 6 East 44th, New York *See adv index at end of book*
Comstock A. S. (Motor Driven), Evanston, Ill.
Connellsville Foundry Machine & Steel Casting Co., Connellsville, Pa.
Crowell Mfg. Co., 321 Franklin av, Brooklyn, N. Y.
See adv index at end of book
Dart, E. M., Mfg. Co. (Unions), 134 Thurbers av, Providence, R. I.
Davidson M. T. Co. (Single & Twin Cylinder, etc), 154 Nassau, New York
DEMING CO., Salem, O.
See adv index at end of book
Devine J. P. Co., 1372 Clinton, Buffalo, N. Y.
Dow Pump & Diesel Engine Co. ("Dow"), Alameda, Cal.
Economy Pumping Machy. Co. (Electric or Power), 100-126 N Curtis, Chicago, Ill. *See adv index at end of book*
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Flint & Walling Mfg. Co., Kendallville.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
Fritz Geo. J. Foundry & Machine Co. (Brewers' Steam), 2018 S 3rd, St. Louis, Mo.
Gardner Governor Co., 23 Williams, Quincy, Ill.
Garratt W. T. & Co., 299 Fremont, San Francisco, Cal.
Garrison Brass & Machine Works, 107 W 13th, New York
Globe Mfg. Co., Battle Creek, Mich.
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Humphryes Mfg. Co. (Hand), Mansfield, O.
Indiana Air Pump Co., Indianapolis, Ind.
Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*
Knott L. E. Apparatus Co. (For School Demonstration), 79 Amherst, Cambridge, Mass.
Manistee Iron Works Co., Manistee, Mich.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
MYERS F. E. & BRO. CO. (Hydro-Pneumatic "Century" Low-Down & "Bulldozer" "Electric Automatic"), 950 Orange, Ashland, Ohio
See adv index at end of book
Nash Engineering Co. ("Nash" Hydro-Turbine, South Norwalk, Conn.
National-Standard Co., Box 211 Niles, Mich.
National Transit Pump & Machine Co., Oil City, Pa.
See adv index at end of book
N. Y. Air Brake Co., 165 B'way, New York
Pattin Bros. Co., Marietta, O.
Penna. Pump & Compressor Co., Easton, Pa.
See adv index at end of book
Powell Wm. Co., 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Schramm Inc., West Chester, Pa.
Strater Herman & Sons (Beer), 74 Sudbury, Boston, Mass.
Sullivan Machinery Co., Peoples Gas bldg. Chicago, Ill.
Union Iron Works Co. (And Condenser), 20th & Michigan, San Francisco, Cal.
Union Steam Pump Co. (Direct Acting), Battle Creek Mich.
United States Electrical Tool Co., Cincinnati, Ohio
Vogt Bros. Mfg. Co., Louisville, Ky.
Ward-Love Pump Corp. ("Warlo"), 716 Race, Rockford, Ill.
Warren Steam Pump Co. (And Condenser), Warren, Mass.
Wheeler C. H. Mfg. Co. ("Mullen" Suction Valveless "Pratt Rotex" "Radojet" Ejector Thyssen Entrainment), Dept. H, 18th & Lehigh, Phila., Pa.
Wheeler Condenser & Engineering Co. ("Wheeler-Edwards" Suction Valveless, "Wheeler" Rotative Dry Vacuum, "Wheeler" Turbo Air Pump, "Wheeler" Steam Jet Air), West Carteret, N. J.
Worthington Pump & Machy. Corp., 115 B'way, New York
YOUNG PUMP CO. (Electric), 230 E Ohio, Chicago, Ill.

11792a—*Pumps (Air Chamber)

DEMING CO., Salem, O.
See adv index at end of book

11793—*Pumps (Air, Exhausters)

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Allen & Billmyre Co. Inc., Grand Central Palace, New York
See adv index at end of book

Multi-stage Centrifugal Air Pumps and Exhausters
Rotary air pumps of efficient design and high grade construction.
ALLEN & BILLMYRE CO., Inc.
Engineers—Manufacturers
Grand Central Palace New York

Beach-Russ Co., 38 Church, New York
See adv index at end of book

11794— Pumps (Air Lift)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
American Steam Pump Co., Battle Creek, Mich.
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Chicago Pneumatic Tool Co., 6 East 44th, New York *See adv index at end of book*
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
Gardner Governor Co., 23 Williams, Quincy, Ill.
Hall Steam Pump Co. ("Hall"), 213 Galveston, Pittsburgh, Pa.
Indiana Air Pump Co., Indianapolis, Ind.
Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*
Kimball Frank J. Co. ("Kimball"), 1860 E 15th, Los Angeles, Cal.
Latta-Martin Pump Co., Hickory, N. C.
Nash Engineering Co. ("Nash," Hydro-Turbine), South Norwalk, Conn.
Pennsylvania Pump & Compressor Co., Easton, Pa.
See adv index at end of book
Schramm Inc., West Chester, Pa.
Union Steam Pump Co., Battle Creek, Mich.
Worthington Pump & Machy. Corp., 115 B'way, New York

11795—Pumps (Air Line, Vacuum Heating)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Beach-Russ Co., 38 Church, New York
See adv index at end of book

PUMPS for HEATING SYSTEMS
AIR LINE VACUUM PUMPS
CONDENSATION PUMP & RECEIVER
RETURN LINE PUMPS
BEACH-RUSS COMPANY
38 Church Street New York City

Chicago Pump Co., 2342 Wolfram, Chicago, Ill.
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
Gardner Governor Co., 23 Williams, Quincy, Ill.
McAlear Mfg. Co. (Electric & Steam), 1901 So. Western av, Chicago, Ill.
Union Steam Pump Co., Battle Creek, Mich.
Worthington Pump & Machy. Corp., 115 Broadway, New York

11796— Pumps (Air, Tire)

Albert Lea Sprayer Co., Albert Lea, Minn.
American Electric Air Pump Co. (Electric for Garages), Penn & Barbeau, Pittsburgh, Pa.
Ansonia Mfg. Co., Ansonia, Conn.
Anthony Co. ("Anthony"), 138H West av, Long Island City, N. Y.
Apex Elec. Mfg. Co. ("Yankee"), 1410 W 59th, Chicago, Ill.
Baker-Hansen Mfg. Co., 1900-1912 Park, Alameda, Cal.
Bay State Pump Co. ("Crane" Gasoline Power), 564 E 1st, S. Boston, Mass.
Beckley-Ralston Co., 1801 S Michigan av, Chicago, Ill.
Bell Pump & Mfg. Co. ("Bell"), 534 E Fort, Detroit, Mich.
Binks Spray Equipt. Co. ("Binks" Electric), 3129 Carroll, Chicago, Ill.
Bishop & Babcock Co., 1204 E 55th, Cleveland, O.
Black & Decker Mfg. Co. ("Lectrofiater"), E Penn av, Baltimore, Md.
Bridgeport Brass Co. ("Bridgeport," "Stapley," "Aeolus," "Atlas," "Windjammer," "Crown"), Dept. H, E Main, Bridgeport, Conn.
Brown Co. ("Brown," "Virtue"), Syracuse, N. Y.
Byrne, Kingston & Co. ("Kingston" Special), Kokomo, Ind.
Central Brass & Fixture Co., Springfield, Ohio
Central Machine Works, Inc. (Inflators), 940 Santee, Los Angeles, Cal.
Cleveland Faucet Co. ("Champion"), 1396 E 9th, Cleveland, O.
Codman & Shurtleff ("C. & S."), 535 Albany, Boston, Mass.
Dudely Tool Co., Menominee, Mich.
Fero Elec. Air Pump Co., Wilkinsburg, Pa.
Gant E. M. Mfg. Co., Inc. (Hand), Ethridge, Tenn.
Gardner Governor Co., 23 Williams, Quincy, Ill.
Gleason-Peters Air Pump Co. ("G.-P."), 384 Classon av, Brooklyn, N. Y.
Globe Mfg. Co. ("Dead Easy"), Battle Creek, Mich.
Hancock Mfg. Co., Charlotte, Mich.
Haney J. H. & Sons ("Rose"), Omaha, Neb.
Hartford Machine Screw Co., Hartford, Conn.
Hill Pump Valve Co. ("Utility"), 4601-21 Belmont av, Chicago, Ill.
Imperial Brass Mfg. Co. ("Imperial"), 1200 W Harrison, Chicago, Ill.
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
Jensen-Kohlert Mfg. Co., St. Charles, Ill.
Judd & Leland Mfg. Co. ("Eureka," "Triplex," "Columbia," "Hill," "Leland," "Tornado," "Cyclone," "Bonham," "Perfection," "Telescope," "Excelsior," "Victor," "J. & L. Special"), Clifton Springs, N. Y.
Kellogg Mfg. Co., 97 Humboldt, Rochester, N. Y.
Kokomo Electric Co. ("Kingston"), Kokomo, Ind.
Krahn Mfg. Co., 598 Clinton, Milwaukee, Wis.
Lake Erie Mfg. Co. ("Gatling"), 198 Chicago, Buffalo, N. Y.
Lapoint J. N. Co. ("Arnold"), New London, Conn.
Lipman Refrigerator Car & Mfg. Co., Beloit, Wis.
Livermore Homer F. ("Austin" Bicycle & Motorcycle), 85 Pearl, Boston, Mass.
Manzel Bros. Co. (Auto Engine Driven), 815 Babcock, Buffalo, N. Y
Motor Car Supply Co. ("Windejammer"), 1453 Michigan av, Chicago, Ill.
Motor Starter & Air Pump Co. ("Long Stroke"), 52-56 Dickerson av, Newark, N. J.
New England Tube & Stamping Co., Inc. (Hand "Whirlwood," "Little Giant," "Coe-Stapley" Special), West Haven, Conn.
Noera Mfg. Co., Waterbury, Conn..
Petry N. A. Co., Inc., 328-34 N Randolph, Phila., Pa.
Post & Lester Co., 112 Allyn, Hartford, Conn.
Rome Bicycle Mfg. Co. (Bicycle), Rome, N. Y.
Romort Mfg. Co. (Inflator), Main & Hubbard, Oakfield, Wis.
Rose Frank Mfg. Co. ("Rose"), Hastings, Neb.
Rose J. A. Mfg. Co., Hastings, Nebr.
Schrader A. & Son (Inflator), 470 Vanderbilt, Brooklyn, N. Y.
Shawver Co. ("Springfield"), Springfield, O.
Stevens & Co. ("Ultra"), 373 B'way, New York
Troy Auto Specialty Co. ("Hanna" Power), Troy, N. Y.
Turner Brass Works ("Turner" Pressure Floor Pump), Sycamore, Ill.
Union Steam Pump Co. (Air Feed), Battle Creek, Mich.
United States Electrical Tool Co., Cincinnati, O.
Ward-Love Pump Corp., 716 Race, Rockford, L. I.
Wissler A. ("E-Z," Automatic Automobile), B'way & Wash. av, St. Louis, Mo.

11797—Pumps (Air & Water Combined)

Allen & Billmyre Co. Inc., Grand Central Palace, New York.
See adv index at end of book
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Barnes Mfg. Co., 700H N Main, Mansfield, Ohio
California Pump & Machine Corp., 2668 Long Beach av, Los Angeles, Cal.
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
Myers F. E. & Bro. Co. ("Myers" Cog Gear), 950 Orange, Ashland, O.
See adv index at end of book
Quimby, Wm. E., Inc., 209 Parkhurst, Newark, N. J.
Union Steam Pump Co., Battle Creek, Mich.
Vogt Bros. Mfg. Co., Louisville, Ky.
Ward-Love Pump Corp., 716 Race, Rockford, Ill.

11798— Pumps (Alcohol)

Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book

Automatic Centrifugal Vacuum and Boiler Feed Pumps



Fig. 2234
Capacities from 2500 to 100,000 square feet radiation.

Centrifugal Pumps For All Purposes.
Both Single Side Suction and Double Suction Types.

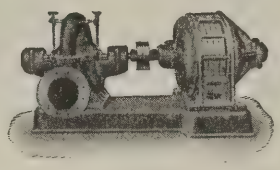


Fig. 2235
Capacities from 5 gallons per minute up.

Automatic Condensation Pumps and Receivers

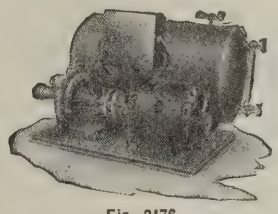


Fig. 2176
Capacities 1000 to 100,000 square feet radiation.

Automatic Sump Pumps, Cellar Drainers And Sewage Ejectors.
Single or Duplex



Fig. 2104
Capacities 7 gallons per minute to 3000 gallons per minute.

ECONOMY PUMPING MACHINERY CO., 100 to 126 North Curtis St., Chicago, Illinois

Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Northern Fire Apparatus Co., 2422 Univ. av S E, Minneapolis, Minn.
Tokheim Mfg. Co., Cedar Rapids, Ia.

11799— Pumps (Ale & Beer)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
Aldrich Pump Co., ft. of Pine, Allentown, Pa.
American Steam Pump Co., Battle Creek, Mich.
Berner H. D. & Winterbauer Co., 444 Lafayette, New York
Bishop & Babcock Co., 1204 E 55th, Cleveland, O.
Eagle Beer Pump Co., 17 New Chambers, New York
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Federal Brass Works, 3100 S Kedzie, Chicago, Ill.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
Gardner Governor Co., 23 Williams, Quincy, Ill.
Janette Mfg. Co. (Automatic Electric), 566 W Monroe, Chicago, Ill.
Lobee Pump & Machinery Co., Est., Buffalo, N. Y.
McGowan John H. Co., 2nd & Central av, Cincinnati, Ohio
Mager C., 314 W 39th, New York
Mutual Beer Pump Co., 232 E 47th, New York
Noe C., 492 E 167th, New York
Northern Fire Apparatus Co., 2422 Univ. av, S. E., Minneapolis, Minn.
Ohio Pump & Brass Co. ("Triumph"), Columbus, O.
Pennsylvania Pump & Compressor Co., Easton, Pa.
See adv index at end of book
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Quimby Wm. E., Inc., 209 Parkhurst, Newark, N. J.
Russ Co. ("Cleveland"), 5700 Walworth av, Cleveland, O.
Schneible C. A., 132 E 121st, New York
Strater Herman & Sons, 74 Sudbury, Boston, Mass.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Union Steam Pump Co., Battle Creek, Mich.
Varwig Mfg. Co. ("Electric"), 120 Opera pl, Cincinnati, O.

11800— Pumps (Aluminum)

Boyts, Porter & Co., Dept. H, Connellsville, Pa.
Chemical Equipment Co., 2457 So Western av, Chicago, Ill.
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg., St. Louis, Mo.
Humphryes Mfg. Co., Mansfield, O.

11801— Pumps (Ammonia)

See also Pumps, Steam

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
American Steam Pump Co., Battle Creek, Mich.
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Boyts, Porter & Co., Dept H, Connellsville, Pa.
Chicago Pump Co., 2342 Wolfram, Chicago, Ill.
Columbus Iron Works, Columbus, Ga.
CROWELL MFG. CO. ("Crowell"), 319-321 Franklin av, Brooklyn, N. Y.
See adv index at end of book
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg., St. Louis, Mo.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
Gas Machinery Co., 1900 Euclid av, Cleveland, O.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
GUILD & GARRISON, 463 Kent av, Bklyn., N. Y.
Hayton Pump & Blower Co., Appleton, Wis.
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
National Foundry & Machine Co., Louisville, Ky.
Pennsylvania Pump & Compressor Co., Easton, Pa.
See adv index at end of book
Union Steam Pump Co., Battle Creek, Mich.
Vogt Bros. Mfg. Co., Louisville, Ky.
Wagener Steam Pump Co., Canton, O.
Worthington Pump & Machy. Corp., 115 B'way, New York
Yeomans Bros. Co., 1436 Dayton, Chicago, Ill. *See adv index at end of book*

11802—Pumps (Artesian Well)

Aldrich Pump Co., ft. of Pine, Allentown, Pa.
American Steam Pump Co., Battle Creek, Mich.
American Well Works, Aurora, Ill.
Boyts, Porter & Co., Dept. H, Connellsville, Pa.
Cook August D., Lawrenceburg, Ind.
Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
Davidson M. T. Co. (Horizontal & Vertical), 154 Nassau, New York
DEMING CO., Salem, O.
See adv index at end of book
Fairbanks, Morse & Co. (Gas, Gasoline & Oil), 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Flint & Walling Mfg. Co., Kendallville, Ind.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
Gardner Governor Co., 23 Williams, Quincy, Ill.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Humphryes Mfg. Co., Mansfield, O.
Ingersoll-Rand Co., 11 Broadway, New York. *See adv index at end of book*
KEYSTONE DRILLER CO., ("Downie"), Beaver Falls, Pa.
See adv index at end of book
Luitwieler Pumping Engine Co., Rochester, N. Y.
Midwest Engine Co., Indianapolis, Ind.
National Steam Pump Co., Upper Sandusky, O.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Price G. W. Pump & Engine Co., 1350 Folsom, San Francisco, Cal.
Rider-Ericsson Engine Co., 20 Murray, New York
Rumsey Pump Co., Box J, Seneca Falls, N. Y. *See adv index at end of book*
Standard Pump & Engine Co., Akron, O.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Union Steam Pump Co., Battle Creek, Mich.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Worthington Pump & Machy. Corp., 115 Broadway, New York

11803— Pumps (Automatic)

ABBE PAUL O. INC. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Allen & Billmyre Co. Inc., Grand Central Palace, New York
See adv index at end of book
American Steam Pump Co., Battle Creek, Mich.
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Barnes Mfg. Co., 700H N Main, Mansfield, Ohio
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Blake Pump & Condenser Co. (Automatic
Boyts, Porter & Co., Dept. H, Connellsville, Pa.
Chicago Pump Co., 2342 Wolfram, Chicago, Ill.
Davidson M. T. Co., 154 Nassau, New York
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
Decatur Pump & Mfg. Co. (and Elec.), Decatur, Ill.
DEMING CO., Salem, O.
See adv index at end of book
ECONOMY PUMPING MACHY. CO. (& Electric), 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Fairbanks G. L. & Son, 166 Union, Worcester, Mass.
Farrar Pump & Mach. Co., Granite bldg., St. Louis, Mo.
Foster Pump Works, Inc., 37 Bridge. Brooklyn, N. Y.
Gardner Governor Co., 23 Williams, Quincy, Ill.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, **N. Y.** *See adv index at end of book*
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
Hartford Machine Screw Co. ("Master" Garage Power Tire), Hartford, Conn.
Hayton Pump & Blower Co., Appleton, Wis.
Luitwieler Pumping Engine Co., Rochester, N. Y.
McGowan John H. Co., 2nd & Central av, Cincinnati, O.
Midwest Engine Co., Indianapolis, Ind.
MYERS F. E. & BRO. CO., 950 Orange, Ashland, O.
See adv index at end of book
Nash Engineering Co. ("Nash" Hydro-Turbine), South Norwalk, Conn.
National Transit Pump & Machine Co. (Automatic Pumps & Receivers), Oil City, Pa. *See adv index at end of book*
National Water Lift Co. ("National" for Residential Purposes), Kalamazoo, Mich.
PLATT IRON WORKS, Dayton, O.
See adv index at end of book
Quimby Wm. E. (Inc.), 209 Parkhurst, Newark, N. J.
Standard Pump & Engine Co., Akron, O.
Twinvolute Pump & Mfg. Co. ("Twinvolute"), 55 William, New York

(Continued on following page)

Pumps (Automatic)—Continued

Union Steam Pump Co., Battle Creek, Mich.
Worthington Pump & Machy. Corp. (Automatic Feed Pumps & Receivers), 115 B'way, New York
Yeomans Bros. Co., 1436 Dayton, Chicago, Ill. *See adv index at end of book*

11804— Pumps (Automobile)

See also Pumps, Air, Tire; also Pumps, Circulating

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
American Electric Air Pump Co. (Garage Air), Penn & Barbeau, Pittsburgh, Pa.
American Steam Pump Co., Battle Creek, Mich.
Anthony ("Anthony"), 138 H. West av, Long Island City, N. Y.
Apex Elec. Mfg. Co. ("Liberty") (Foot), 1410 W 59th, Chicago, Ill.
Atlas Brass Foundry Co. ("Atlas Water & Oil Circulating for Autos), Columbus, O.
Bridgeport Brass Co., Dept H, Bridgeport, Conn.
Brown Co., Syracuse, N. Y.
Cincinnati Lubricant Pump Co., Blanchester, O.
DEMING CO., Salem, O.
See adv index at end of book
DUNNING & BOSCHERT PRESS CO., INC., 379 W Water, Syracuse, N. Y.
See adv index at end of book
Erie Pump & Engine Works (Circulating), 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Hill Pump Valve Co. (Tire, "Utility"), Archer av, Canal & 23d, Chicago, Ill.
Howell W. H. Co., Geneva, Ill.
Lobee Pump & Machinery Co., East Buffalo, N. Y.
LUNKENHEIMER CO. Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Luther Grinder Mfg. Co. ("Flood"), 285 S Water, Milwaukee, Wis.
Manzel Bros. Co. (Auto Engine Driver), 315 Babcock, Buffalo, N. Y.
Moon Bros. Mfg. Co. (Tire), 4900 McKissock, St. Louis, Mo.
Morgan Mfg. Co. ("Morgan"), Court, Keene, N. H.
National Gauge & Equipment Co. ("National"), La Crosse, Wis.
New England Tube & Stamping Co., Inc., West Haven, Conn.
Noera Mfg. Co., Waterbury, Conn.
Oberdorfer M. L. Brass Co., 810 E Water, Syracuse, N. Y.
Rose J. A. Mfg. Co., Hastings, Neb.
Schramm, Inc., West Chester, Pa.
Union Steam Pump Co. (Air Feed), Battle Creek, Mich.
Ward Pump Co. ("Ward" Double Cylinder Air), Rockford, Ill.

11805—*Pumps (Ball Valve)

National Transit Pump & Machine Co., Oil City, Pa. *See adv index at end of book*
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Union Steam Pump Co., Battle Creek, Mich.

11806— Pumps (Ballast)

Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Bethlehem Shipbuilding Corporation, Ltd., Bethlehem, Pa.
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
Dow Pump & Diesel Engine Co. ("Dow"), Alameda, Cal.
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
McGowan John H. Co., 2nd & Central av, Cincinnati, O.
National Transit Pump & Machine Co., Oil City, Pa.
See adv index at end of book
Northern Fire Apparatus Co., 2422 Univ. av, S. E., Minneapolis, Minn.
Platt Iron Works, Dayton, Ohio.
See adv index at end of book
Worthington Pump & Machy. Corp., 115 B'way, New York

11807— Pumps (Barrel)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Albert Lea Sprayer Co., Albert Lea, Minn.
Aldrich Mfg. Co. (All Copper), 57 Illinois, Buffalo, N. Y.
Barnes Mfg. Co., 700 N Main, Mansfield, O.
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Beman Automatic Oil Can Co. ("Beman" Rotary, for transferring oil from barrel to tank), Box 375, Meadville, Pa.
Brown, E. C., Co., Rochester, N. Y.
DEMING CO., Salem, O.
See adv index at end of book
F. A. B. Mfg. Co. ("Fabco."), 1856 7th, Oakland, Cal.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
Friend Mfg. Co., Gasport, N. Y.
Monarch Mfg. Co., Council Bluffs, Ia.
Myers F. E. & Bro. Co., 950 Orange, Ashland, Ohio
See adv index at end of book
Ray Geo. A. Mfg. Co. (All Copper), 1495 Niagara, Buffalo, N. Y.
Sexton Can Co. ("Sexton" Rotary), 123 Broad, Boston, Mass.
Trahern Pump Co. (Rotary), Rockford, Ill.
U. S. Bottlers' Machinery Co. ("U. S." Hand), 4015 N Rockwell, Chicago, Ill.
Ward-Love Pump Corp., 716 Race, Rockford, Ill.
Western Pacific Sales Co. ("Rothweiler"), 2921 1st av S, Seattle, Wash.

Pumps (Beer)

See Pumps, Ale & Beer

11808—Pumps (Belt-Driven)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Acme Pump & Tank Co. (Rotary), 19 W 44th, New York
Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
Allis-Chalmers Mfg. Co. (Centrifugal), Milwaukee, Wis.
See adv index at end of book
Aldrich Pump Co., ft. of Pine, Allentown, Pa.
American Steam Pump Co., Battle Creek, Mich.
American Well Works, The, 110 N Broadway, Aurora, Ill.
AURORA PUMP & MFG. CO., Aurora, Ill.
See adv index at end of book
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Boyts Porter Co., Dept H, Connellsville, Pa.
Carbondale Machine Co., Carbondale, Pa.
Cardwell Machine Co., 1900 E. Cary, Richmond, Pa.
Columbiana Pump Co., Columbiana, O.
Crowell Mfg. Co. (Air Only), 321 Franklin av, Brooklyn, N. Y.
See adv index at end of book
Davidson M. T. Co., 154 Nassau, New York
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
DEMING CO., Salem, O.
See adv index at end of book
Du Bois Iron Works, Du Bois, Pa.
Earle Gear & Machine Co., Stenton, Phila., Pa.
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
FAIRBANKS, MORSE & CO., 900 S Wabash av, Chicago, Ill.
See adv index at end of book
French Oil Mill Machinery Co., Piqua, O.
Gardner Governor Co., 23 Williams, Quincy, Ill.
Godfrey Keeler Co., 70 Warren, New York
Gould's Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
Hayes Pump & Planter Co. ("Hayes") Galva, Ill.
Hayton Pump & Blower Co., Appleton, Wis.
Herron, R. H. Co., 934H N. Alameda, Los Angeles, Cal.
Hydraulic Press Mfg. Co. (Hydraulic), Mt. Gilead, O.
See adv index at end of book
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
Kewanee Private Utilities Co. ("Kewanee"), West Side, Kewanee, Ill.
Kinney Mfg. Co., 3541 Washington, Boston, Mass.
Lobee Pump & Machinery Co., East Buffalo, N. Y.
McGowan John H. Co., 2nd & Central av, Cincinnati, O.
Menge Pump & Machy Co., 862H Tchoupitoulas, New Orleans, La.
Myers F. E. & Bro. Co. ("Bulldozer"), 950 Orange, Ashland, Ohio
See adv index at end of book
Nash Engineering Co. ("Nash" Hydro-Turbine), South Norwalk, Conn.
National-Standard Co., Box 211, Niles, Mich.
National Transit Pump & Machine Co., Oil City, Pa. *See adv index at end of book*
Northern Fire Apparatus Co., 2422 Univ. av, S. E., Minneapolis, Minn.
Pioneer Iron Works, 149 Pioneer, Brooklyn, N. Y.
PLATT IRON WORKS, Dayton, Ohio
See adv index at end of book
Pusey & Jones (Sizes 3 " to 10 " inclusive), Dept. H, Poplar & Front, Wilmington, Del.
Quimby Wm. E. (Inc.), 209 Parkhurst, Newark, N. J.
Rumsey Pump Co. (Ltd), Box J, Seneca Falls, N. Y.
See adv index at end of book
San Diego Machine Co., San Diego, Cal.
Standard Pump & Engine Co., Akron, O.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Union Steam Pump Co., Battle Creek, Mich.
Wood R. D. & Co., 400 Chestnut, Phila., Pa.
Worthington Pump & Machy. Corp., 115 B'way, New York

Pumps (Bicycle)

See Pumps, Air Tire

11809— Pumps (Bilge)

Abendroth & Root Mfg. Co. (Spiral or Straight Riveted), Newburgh, N. Y.
See adv index at end of book
Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
Aldrich Pump Co., ft. of Pine, Allentown, Pa.
American Well Works, The, 110 N Broadway, Aurora, Ill.
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Barnes Mfg. Co., 700H N. Main, Mansfield, Ohio
Bethlehem Shipbuilding Corporation, Ltd., Bethlehem, Pa.
Bishop's Wm. Sons (Brass & Copper), 18 James, New York
Blackmer Rotary Pump Co., Petoskey, Mich.
Blakeslee Mfg. Co., Du Quoin, Ill.
Boyts Porter Co., Dept H, Connellsville, Pa.
C. H. & E. MFG. CO. ("C. H. & E." Portable Driven Bilge), 254 Mineral, Milwaukee, Wis.
See adv index at end of book
Carpenter & Co. Geo. B., 434 N Wells, Chicago, Ill.
See adv index at end of book
Chicago Automatic Switch Co. (Float), 212 N Peoria, Chicago, Ill.
CHICAGO PUMP CO. (Automatic, Electric), 2342 Wolfram, Chicago, Ill.
Davidson M. T. Co., 154 Nassau, New York
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
DEMING CO., Salem, O.
See adv index at end of book
Durkee Chas. D. & Co. ("Crescent"), 2 South, New York
ECONOMY PUMPING MACHY. CO., 110-126 N Curtis, Chicago, Ill.
See adv index at end of book
Edson Mfg. Corp. ("Edson"), 375 B'way, Boston, Mass.
Emerson Pump & Valve Co. ("Emerson"), Dept. H, Alexandria, Va.
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Fairbanks, Morse & Co. (Diaphragm), 900 S. Wabash av, Chicago, Ill.
Farrar Pump & Mach. Co., Granite Bldg., St. Louis, Mo.
Gould's Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Hayton Pump & Blower Co., Appleton, Wis.
Humphryes Mfg. Co., Mansfield, O.
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
Kinney Mfg. Co. ("Kinney"), 3541 Washington, Boston, Mass.
Klingbell & Oetinger, 30 Front, Portland, Laughlin, Thos. Co. (& Yacht), 135 Fore, Portland, Me.
See adv index at end of book
Lobee Pump & Machinery Co., East Buffalo, N. Y.
McGowan John H. Co., 2nd & Central av, Cincinnati, O.
Monarch Valve Co. ("Monarch" Rotary), 112 Front, B'klyn, N. Y.
Moran Mfg. Co., ("Moran" Centrifugal) 2761 1st av, S, Seattle, Wash.
Morris Machine Works, Baldwinsville, N. Y.
Myers F. E. & Bro. Co. ("Myers" Low Down"), 950 Orange, Ashland, Ohio
See adv index at end of book
National Transit Pump & Machine Co., Oil City, Pa. *See adv index at end of book*
Northern Fire Apparatus Co., 2422 Univ. av, S. E., Minneapolis, Minn.
Penna Pump & Compressor Co., Easton, Pa.
See adv index at end of book
Platt Iron Works, Dayton, Ohio
Quimby Wm. E., Inc., 209 Parkhurst, Newark, N. J.

RUMSEY PUMPS

RUMSEY PUMP CO., LTD. (Ships, Main & Bilge), P. O. Box J, Seneca Falls, N. Y. *See adv index at end of book*
Sands Alfred B. & Son Co., 20 Vesey, N. Y.
Sharlow Bros. Co., 442 W 42d, New York
Steam John J. (Spiral & Straight Seam), 30 Clay, Brooklyn, N. Y.
Stein John J. (Spiral & Straight Seam), 30 Clay, Brooklyn, N. Y.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Trimount Rotary Power Co. ("Trimount" Rotary Hand), 286 Whiting av, Boston, Mass.
Twinvolute Pump & Mfg. Co. ("Twinvolute"), 55 William, New York
Union Steam Pump Co., Battle Creek, Mich.
Wagener Steam Pump Co., Canton, O.
WILCOX CRITTENDEN & CO., INC., ("Pequot" Power Driven, "Nut-meg" & "Driboat" Power Driven), 444 S Main, Middletown, Conn.
See adv index at end of book
Worthington Pump & Machy. Corp., 115 B'way, New York
YEOMANS BROS. CO., 1436 Dayton, Chicago, Ill. *See adv index at end of book*

11810—Pumps (Boiler Feed)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Aldrich Pump Co., ft. of Pine, Allentown, Pa.
American Steam Pump Co., Battle Creek, Mich.
American Well Works, The, 110 N Broadway, Aurora, Ill.
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Berry Engineering Co. ("Berry"), Chester, Pa.
Bethlehem Shipbuilding Corp., Ltd. (Locomotive), Dept H, Broadhead & Parker av, Bethlehem, Pa.
Binghamton Mach. Works, Binghamton, N. Y.
Bishop's Wm. Sons (Brass & Copper), 18 N. Y.
Blake Pump & Condenser Co. ("Duplex" & Single), Fitchburg, Mass.
Blakeslee Mfg. Co., Du Quoin, Ill.
Boyts, Porter & Co. (Double Plunger), Connellsville, Pa.
Buffalo Steam Pump Co., Buffalo, N. Y.
Burton & Johnson Co., 2301 Center av, Cleveland, O.
Charleston Iron Works, Charleston, S. C.
CHICAGO PUMP CO., 2342 Wolfram, Chicago, Ill.
Connor W. B. Inc., 223 W 33rd, New York
Coppus Engng. & Equipment Co., 344 Park, Worcester, Mass.
Crawford & McCrimmon Co., Brazil, Ind.
Creamery Package Mfg. Co., 61 W Kinzie, Chicago, Ill.
Davidson M. T. Co., 154 Nassau, N. Y.
DAYTON-DOWD CO. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
Decatur Pump & Mfg. Co., Decatur, Ill.
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
DEMING CO. (Hand and Power), **Salem, O.** *See adv index at end of book*
Douglas W. & B., Middletown, Conn.
Dow Pump & Diesel Engine Co. ("Dow"), Alameda, Cal.
Du Bois Iron Works, Du Bois, Pa.
Earle Gear & Machine Co., 4707 Stenton, Phila., Pa.
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
See adv index at end of book
Evans C. H. & Co. ("Thomson & Evans"), 187 Fremont, San Francisco, Cal.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill
Farnsworth Co., Norristown, Pa.
Farrar Pump & Machinery Co., Granite bldg, St. Louis, Mo.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
Gardner Governor Co., 23 Williams, Quincy, Ill.
Garratt, W. T. & Co., 277H Fremont, San Francisco, Cal.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Great Lakes Engineering Works, Real Estate Exchange bld, Detroit, Mich.
Hall Steam Pump Co. ("Hall"), 213 Galveston, Pittsburgh, Pa.
Hayton Pump & Blower Co., Appleton, Wis.
Herron R. H. Co., 934H N Alameda, Los Angeles, Cal.
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
Jamieson M. W. & Co., Warren, Pa.
Leader-Trahern Co. ("Leader"), 707 S Main, Rockford, Ill.
Luitwieler Pumping Engine Co., Rochester, N. Y.
McGowan John H Co., 2nd & Central av, Cincinnati, O.
Mackintosh-Hemphill Co., 12th & Etna, Pittsburgh, Pa.
Manistee Iron Works Co., Manistee, Mich.
Midwest Engine Co., Indianapolis, Ind.
Moffatt Machinery Mfg. Co., Charlotte, N. C.
Myers F. E. Bro. Co. ("Myers"), 950 Orange, Ashland, Ohio
See adv index at end of book
Nash Engineering Co. ("Nash," Hydro-Turbine), South Norwalk, Conn.
National Foundry & Machine Co., Louisville, Ky.
National Steam Pump Co., Upper Sandusky, O.
NATIONAL TRANSIT PUMP & MACHINE CO., Oil City, Pa.
See adv index at end of book
Northern Fire Apparatus Co., 2422 Univ. av, S. E., Minneapolis, Minn.
North Star Iron Works Co., Owatonna, Minn.
Noye Bros. Co. (Run by Belt), 1447 Niagara, Buffalo, N. Y.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Oram John S. Co., 5240 Hamilton, Cleveland, Ohio
Pattin Bros. Co., Marietta, O.
Pennsylvania Pump & Compressor Co., Easton, Pa.
See adv index at end of book
PLATT IRON WORKS, Dayton, Ohio
See adv index at end of book
Pratt & Cady Co., Inc., Hartford, Conn.
Pratt Engineering & Machine Co., Atlanta, Ga.
Quimby Wm. E., Inc., 209 Parkhurst, Newark, N. J.
Rock River Machine Co., Janesville, Wis.
RUMSEY PUMP CO., LTD., P. O. Box J, Seneca Falls, N. Y.
See adv index at end of book
Scranton Pump Co., Scranton, Pa.
Stewart Heater Co., N Tonawanda, N. Y.
Trahern Pump Co (On Bed Plate), Rockford, Ill.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Union Steam Pump Co., Battle Creek, Mich.
Vogt Bros. Mfg. Co., Louisville, Ky.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Warren Steam Pump Co., Warren, Mass.
Weinman Pump Mfg. Co., 30C Spruce, Columbus, O.
Westinghouse Electric & Mfg. Co. (Centrifugal) East Pittsburgh, Pa.
See adv index at end of book
Wilson-Snyder Mfg. Co., 1st & Talbot, Braddock, Pa.
Witt G. E. Co., 862 Howard, San Francisco, Cal.
Worthington Pump & Machy. Corp., 115 B'way, New York
Yeomans Bros. Co., 1436 Dayton, Chicago, Ill. *See adv index at end of book*
YOUNG PUMP CO., 230 E Ohio, Chicago, Ill.

11811—Pumps (Boiler Testing)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
American Steam Pump Co., Battle Creek, Mich.
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Ruckeye Iron & Brass Works (Hydraulic), Dayton, O.
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
Dake Engine Co., Grand Haven, Mich.
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
DEMING CO., Salem, O.
See adv index at end of book
Douglas W. & B., Middletown, Conn.
Dudgeon Richard (Hydraulic), 24 Columbia, New York
Farrar Pump & Mach. Co., Granite Bldg., St. Louis, Mo.
Garratt W. T. & Co., 277H Fremont, San Francisco, Cal.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Hayton Pump & Blower Co., Appleton, Wis.
Henderer's A. L. Sons, Wilmington, Del.
Hills McCanna Co. (Portable), 2025 Elston av, Chicago, Ill.
Leader-Trahern Co. ("Leader"), 707 S Main, Rockford, Ill.
Lovejoy Tool Works, 319 W Ohio, Chicago, Ill.
See adv index at end of book
Penna Pump & Compressor Co., Easton, Pa.
See adv index at end of book
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Rumsey Pump Co. (Ltd.), P. O. Box J, Seneca Falls, N. Y.
See adv index at end of book
Union Steam Pump Co., Battle Creek, Mich.

11812— Pumps (Bracket)

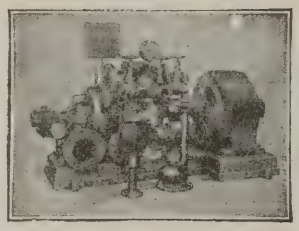
Davis-Hansen Co., Oshkosh, Wis.
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind
Ward-Love Pump Corp., 716 Race, Rockford, Ill.

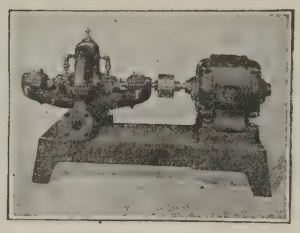
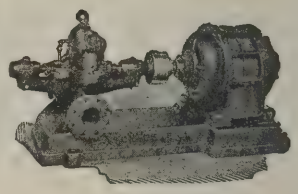
11813— Pumps (Brass)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Barnes Mfg. Co., Mansfield, O.
Beach-Russ Co., 38 Church, New York.
See adv index at end of book
Bishop's Wm. Sons, 18 James, New York
Boyts Porter Co., Dept H, Connellsville, Pa.
Bridgeport Brass Co. (Auto, Bicycle, Motorcycle), Dept. H, E Main, Bridgeport, Conn.
Brown, E. C., Co., Rochester, N. Y.
Chemical Equipment Co., 2457 S Western av, Chicago, Ill.

(Continued on following page)

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FOR EVERY PUMPING SERVICE



Approved Underwriters Fire Pump | Type CSU Multi-Stage Pump | Type CST Tank Filling Pump | Type CS Double-Suction Pump

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Pumps (Brass)—Continued

Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
DEMING CO. (Also Iron), Salem, O.
See adv index at end of book
Douglas W. & B., Middletown, Conn.
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y.
See adv index at end of book
Hayton Pump & Blower Co., Appleton, Wis.
Humphryes Mfg. Co., Mansfield, O.
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
Lobee Pump & Machinery Co., East Buffalo, N. Y.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
Midwest Engine Co., Indianapolis, Ind.
Morris Machine Works, Baldwinsville, New York
Myers F. E. & Bro., 950 Orange, Ashland, Ohio
See adv index at end of book
Nash Engineering Co. ("Nash," Hydro-Turbine), South Norwalk, Conn.
Northern Fire Apparatus Co., 2422 Univ. av, S. E., Minneapolis, Minn.
Pennsylvania Pump & Compressor Co., Easton, Pa.
See adv index at end of book
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Quimby, Wm. E., Inc., 209 Parkhurst, Newark, N. J.
Rumsey Pump Co. (Ltd.), P. O. Box J, Seneca Falls, N. Y.
See adv index at end of book
Union Steam Pump Co., Battle Creek, Mich.
Vogt Brothers Mfg. Co., Louisville, Ky.
Yeomans Bros. Co., 1436 Dayton, Chicago, Ill. *See adv index at end of book*

11814— Pumps (Brewery)

See also Pumps, Steam

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
Aldrich Pump Co., ft. of Pine, Allentown, Pa.
American Steam Pump Co., Battle Creek, Mich.
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Beach-Russ Co., 38 Church, New York.
See adv index at end of book
Boyts Porter & Co., Dept H, Connellsville, Pa.
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite Bldg., St. Louis, Mo.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
Gardner Governor Co., 23 Williams, Quincy, Ill.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Ingersoll-Rand Co., 11 Broadway, New York
See adv index at end of book
Lobee Pump & Machinery Co., East Buffalo, N. Y.
McGowan John H. Co., 2nd & Central av, Cincinnati, O.
Northern Fire Apparatus Co., 2422 Univ. av, S. E., Minneapolis, Minn.
Northwestern Copper & Brass Works, 59 W 3d, St. Paul, Minn.
Pennsylvania Pump & Compressor Co., Easton, Pa.
See adv index at end of book
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Pulsometers Steam Pump Co., 220 W 42nd, New York
Quimby, Wm. E., Inc., 209 Parkhurst, Newark, N. J.
Taber Pump Co. ("Taber" Centrifugal), 291 Elm, Buffalo, N. Y.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Union Steam Pump Co., Battle Creek, Mich.

11815— Pumps (Brine)

See Also Pumps, Steam

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
Aldrich Pump Co., ft. of Pine, Allentown, Pa.
American Steam Pump Co., Battle Creek, Mich.
American Well Works, The, 110 N Broadway, Aurora, Ill.
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Beach-Russ Co., 38 Church, New York
See adv index at end of book

PUMPS for AIR AGITATION in RAW WATER ICE PLANTS
Simple in Construction—Silent in Operation
NO VALVES SPRINGS OR GEARS
Also Brine Pumps
BEACH-RUSS COMPANY
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Bethlehem Shipbuilding Corporation, Ltd., Bethlehem, Pa.
Boyts Porter & Co., Dept H, Connellsville, Pa.
Buffalo Steam Pump Co., 490H B'way, Buffalo, N. Y.
Chicago Pump Co., 2342 Wolfram, Chicago, Ill.
Creamery Package Mfg. Co., 61 W Kinzie, Chicago, Ill.
Davidson M. T. Co., 154 Nassau, New York
Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
See adv index at end of book
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
DEMING CO., Salem, O.
See adv index at end of book
Earle Gear & Machine Co., 4707 Stenton, Phila., Pa.
ECONOMY PUMPING MACHY. CO., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Farrar Pump & Mach. Co., Granite Bldg., St. Louis, Mo.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
Gardner Governor Co., 23 Williams, Quincy, Ill.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Hayton Pump & Blower Co., Appleton, Wis.
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
Jensen Creamery Machy. Co., Nelson & Locust av, Bloomfield, N. J.
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
Lobee Pump & Machinery Co., East Buffalo, N. Y.
McGowan John H. Co., 2nd & Central av, Cincinnati, O.
Moran Mfg. Co., ("Moran" Certrifugal") 2761 1st Ave., S, Seattle, Wash.
Morris Machine Works, Baldwinsville, N. Y.
National Transit Pump & Machine Co., Oil City, Pa. *See adv index at end of book*
Northern Fire Apparatus Co., 2422 Univ. av, S. E., Minneapolis, Minn.
Pennsylvania Pump & Compressor Co., Easton, Pa.
See adv index at end of book
Platt Iron Works, Dayton, Ohio
Price G. W. Pump & Engine Co., 1350 Folsom, San Francisco, Cal.
Quimby Wm. E. (Circulating), 209 Parkhurst, Newark, N. J.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Twinvolute Pump & Mfg. Co. ("Twinvolute"), 55 William, New York
Union Steam Pump Co., Battle Creek, Mich.
Vogt Bros. Mfg. Co., Louisville, Ky.
Worthington Pump & Machy. Corp., 115 B'way, New York
Yeomans Bros. Co. (1436 Dayton, Chicago, Ill. *See adv index at end of book*

11816— Pumps (Bucket)

Albert Lea Sprayer Co., Albert Lea, Minn.
Barnes Mfg. Co., 700-H N. Main, Mansfield, Ohio.
Brown, E. C., Co., Rochester, N. Y.
Butler Mfg. Co., 1228 Eastern av, Kansas City, Mo.
Cedar Rapids Pump Co., Cedar Rapids, Ia.
Cincinnati Pump Co., Liberty & Clay, Cincinnati, O.
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
Hayes Pump & Planter Co., ("Hayes") Galva, Ill.
Star Bucket Pump Co. ("Star"), 1218 N 15th, St. Louis, Mo.

11817— Pumps (Cam)

Luitwieler Pumping Engine Co., Rochester, N. Y.
Northern Fire Apparatus Co., 2422 Univ. av, S. E., Minneapolis, Minn.
Trimount Rotary Power Co. ("Trimount" Rotary), 286 Whiting av, Boston, Mass.

11818— Pumps (Centrifugal)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
ALLIS-CHALMERS MFG. CO. ("Allis-Chalmers" Single & Multi-Stage), Milwaukee, Wis.
See adv index at end of book
American Steam Pump Co. ("American-Marsh"), Battle Creek, Mich.
American Well Works, Aurora, Ill.
Appleton Machine Co., Appleton, Wis.
Atlas Engng. Co., 3009 Lisbon av, Milwaukee, Wis.
AURORA PUMP & MFG. CO. Aurora, Ill.
See adv index at end of book

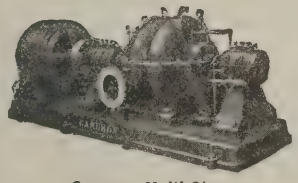
Cameron Pumps



Cameron Piston Pump.



Cameron Plunger Pump.



Cameron Multi-Stage Motor Driven Pump.

Cameron Pumps are built in direct-acting or centrifugal types and in sizes suitable for every fluid handling problem. They are simple in design, sturdy in construction and every pump is thoroughly tested so as to exactly fit it to meet the conditions for which it was sold.

The direct-acting Pumps can be operated either by compressed air or steam. The Centrifugal Pumps can be either belt, electric motor or turbine driven, or can be arranged for direct-connection to gasoline, oil or gas engine.

Cameron Piston Pumps are especially adapted for general service, boiler feeding or mine work. The water cylinders are made with fixed or loose lining, or entirely of our special acid resisting metal. Built in capacities from 10 G.P.M. to 1000 G.P.M.

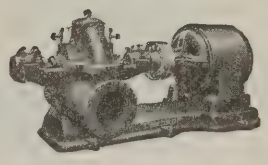
Cameron Plunger Pump has all the economical operating features of the piston type, but is especially adapted to handling gritty water. The water end has no wearing parts, except the packing in the stuffing boxes, which can be instantly adjusted from the outside. Built in capacities from 10 G.P.M. to 1200 G.P.M.

Cameron Double Suction Volute Pumps are built in single units for heads up to 230 feet. Arranged in series, these pumps are satisfactory for heads as high as 460 feet. These pumps have capacities ranging from 90 to 20,000 gallons per minute.

Cameron Multi-Stage Pumps are built for pumping against heads as high as 1400 feet. They have from 2 to 6 stages in a single casing and twelve stages where two pumps are arranged in series. Their capacities range from 125 to 11,000 gallons per minute.

Cameron open-impeller, single-stage, double suction, Volute Pump is particularly adaptable to service in the pulp, paper and sugar industries, and also for handling sewerage because of the special double suction open impeller encased by shrouds.

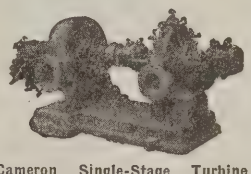
A new Cameron turbine-driven Boiler Feeder is designed for boiler plants having up to 2000 B.H.P. and using steam pressure of 150 lbs. or less. The entire unit is simple and compact.



Cameron Double Suction Motor Driven Pump.



Cameron Multi-Stage Turbine Driven Pump.



Cameron Single-Stage Turbine Driven Pump.

Ingersoll-Rand

11 Broadway, New York City

Barnes Mfg. Co., Mansfield, O.

BEACH-RUSS CO., 38 Church, New York
See adv index at end of book

Bean Spray Pump Co., San Jose, Cal.
Berry Machy. & Supply Co., 289 W Santa Clara av, San Jose, Cal.
Bethlehem Shipbuilding Corp., Ltd. (For Marine Condensers), Dept H, Broadhead & Parker av, Bethlehem, Pa.
Bingham Pump Co. ("Bingham"), 481 Hawthorne av, Portland, Ore.
Black-Clawson Co., Hamilton, O.
Bowser S. F. & Co., Fort Wayne, Ind.
Brainard Bros. ("Pioneer"), 126 O, Sacramento, Cal.
Bucyrus Co. (Dredging), S Milwaukee, Wis.
Buffalo Steam Pump Co., Buffalo, N. Y.
Byron Jackson Iron Works, Sharon bldg, San Francisco, Cal.
C. H. & E. Mfg. Co. ("C. H. & E." Mounted Complete, Direct Connected), 254 Mineral, Milwaukee, Wis.
Camden Iron Works, Camden, N. J.
Centrifugal Pump Co., 434 Canal, New York
Channon H. Co. ("Channon"), 150 N Market, Chicago, Ill.
Chemical Equipment Co., 2457 S Western av, Chicago, Ill.
CHICAGO PUMP CO., 2342 Wolfram, Chicago, Ill.
Commercial Iron Works of L. A., 2424 Porter, Los Angeles, Cal.
Coppus Engineering & Equipment Co., (High Pressure), 344 Park, Worcester, Mass.
DAYTON-DOWD CO. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
DE LAVAL STEAM TURBINE CO. (Centrifugal), E Trenton, N. J.
See adv index at end of book

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Single stage and multistage, with horizontal or vertical shaft, and for electric motor, steam turbine, gas engine, or belt drive. All heads and deliveries.

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and principal cities

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Domestic Engine & Pump Co., Dept. H, Shippensburg, Pa.
Douglas W. & B., Middletown, Conn.
Dow Pump & Diesel Engine Co. ("Dow"), Alameda, Cal.
Dudley Ed. Pump House, 220 B'way, Fresno, Cal.
Duriron Castings Co. ("Duriron" Acid Metal), Dayton, O.
Earle Gear & Machine Co., 4707 Stenton, Philadelphia, Pa.

The Index to Trades is the key to the vast stores of information in

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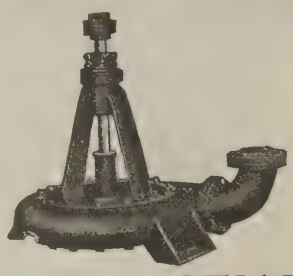
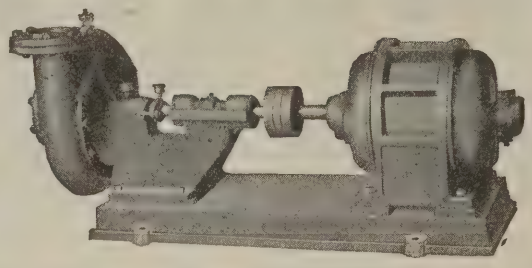
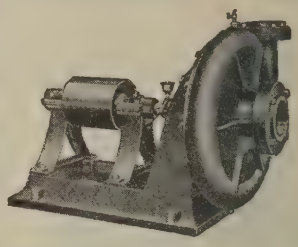
ECONOMY PUMPING MACHY. CO (Belted or Electric Driven), 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Ellicott Machine Corp., 1111 Bush, Baltimore, Md.
See adv index at end of book
Elmore, G. H. (Acid Proof), Wesley bldg, Phila., Pa.
Emerson Mfg. Co., Lawrence, Mass.
ERIE PUMP & ENGINE WORKS ("Erie") 149 Glenwood Ave., Medina, N. Y. *See adv index at end of book*
Erwin & Co., 3736 Cottage Grove av, Chicago, Ill.
FAIRBANKS, MORSE & CO., 900 S Wabash av, Chicago, Ill.
See adv index at end of book

Farrar Pump & Mach. Co., Granite Bldg., St. Louis, Mo.
Frederick Iron & Steel Co., Frederick, Md.
Fresno Agricultural Works, Fresno, Cal.
Fulton Mach. & Vise Co. ("Fulton," Belt & Motor Driven), Lowville, N. Y.
Galena Iron Works Corp., Galena, Ill.
Garratt W. T. & Co., 299 Fremont, San Francisco, Cal.
Gayette Edwin J. Mach. Co. ("Air-Go"), 1727 Jones av, Oakland, Cal.
Georgia Iron Works (Mining), Augusta, Ga.
Golden West Pump Co., 311H Harriet, San Francisco, Cal.
GOULDS MFG. CO., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Great Lakes Engineering Works (Large Capacity), Real Estate Exchange bldg, Detroit, Mich.
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Hayton Pump & Blower Co., ("Hayton") Appleton, Wis.
Humphryes Mfg. Co., Mansfield, O.
Hunt Rodney Machine Co., Orange, Mass.
Imperial Brass Mfg. Co. (Circulating), 1200 W Harrison, Chicago, Ill.
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
Jackson-Church Pump Works, 731 N Spring, Los Angeles, Cal.
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
Johnston Pump Co., 407 E 3rd, Los Angeles, Cal.
Kansas City Hay Press Co. ("Lightning"), foot of 4th st. viaduct, Kansas City, Mo.
Kelly Derby Co. (Dirs.), 321 N Crawford, Chicago, Ill.
KEYSTONE DRILLER CO. ("Downie"), Beaver Falls, Pa.
See adv index at end of book
Keystone Iron Works, 37th & Santa Fe av, Los Angeles, Cal.
Kiefer Karl Machine Co. (Bronze), 919 Martin, Cincinnati, O.
Kingsford Foundry & Machine Works, Oswego, N. Y.
Krogh Pump & Machy. Co., 147 Beale, San Francisco, Cal.

(Continued on following page)

We build Centrifugal Pumps for any requirement

VERTICAL BELT OR MOTOR DRIVEN — HORIZONTAL MOTOR DRIVEN OR BELT DRIVEN

SWABY MANUFACTURING COMPANY

2010-20 MARSHALL BOULEVARD CHICAGO, ILLINOIS

Pumps (Centrifugal)—Continued

LAWRENCE MACHINE CO. ("Lawrence" Single and Multi-Stage Direct Connected), 42 Market, South Lawrence, Mass. *See adv index at end of book*

Lawrence Pump & Engine Co. ("Vortex," Single & Multiple Stage Electric, Engine & Belt Driven), Lawrence, Mass.

Layne & Bowler Corp. ("Layne"), 900 Santa Fe av, Los Angeles, Cal.

Lea-Courtenay Co., 5 Main, Newark, N. J.

Lipman Refrigerator Car & Mfg. Co., Beloit, Wis.

Lobee Pump & Machinery Co., East Buffalo, N. Y.

McGowan John H. Co., 2nd & Central av, Cincinnati, Ohio

Manistee Iron Works Co. ("Roturbo"), Manistee, Mich.

Meyer Geo. J. Mfg. Co. ("Meyerbilt"), 598 Clinton, Milwaukee, Wis.

Midwest Engine Co. (Vertical Thrust), Indianapolis, Ind.

Mills Machine Co., Lawrence, Mass.

Monarch Foundry Co. ("Monarch"), Stockton, Cal.

Moore & White Co., N 15th & Lehigh, Phila., Pa.

Moran Mfg. Co. ("Moran"), 2761 1st av S, Seattle, Wash.

Morris I. P. Co., Richmond & Norris, Phila., Pa.

MORRIS MACHINE WORKS, Baldwinsville, N. Y.

Nash Engineering Co., South Norwalk, Conn.

Norbom Engng. Co., 5th & P R R, Phila., Pa.

Novo Engine Co. ("Novo"), Lansing, Mich.

Oliver Mfg. Co., 4th & Madison, Oakland, Cal.

Pacific Engineering Co. ("Peco"), 938 23d av, Oakland, Cal.

Patterson Foundry & Machine Co., East Liverpool, O.

Peerless Pump Co. ("Peerless"), 826 Santa Fe av, Los Angeles, Cal.

Pelton Water Wheel Co., 19th and Harrison, San Francisco, Cal.

Pennsylvania Pump & Compressor Co. ("Pennsylvania"), Easton, Pa.
See adv index at end of book

PENNSYLVANIA
CENTRIFUGAL PUMPS
Single and Multi-Stage for all Services
PENNSYLVANIA PUMP AND COMPRESSOR COMPANY
MAIN OFFICES AND WORKS EASTON, PA.

Phila. Drying Machinery Co., 3351 Stokley, Phila., Pa.

PLATT IRON WORKS, Dayton, Ohio
See adv index at end of book

Portage Lake Foundry & Machine Co. (For Mines), Hancock, Mich.

Potts C. & A. & Co., Indianapolis, Ind.

PRICE G. W. PUMP & ENGINE CO., 1350 Folsom, San Francisco, Cal.

Pusey & Jones, H Poplar, Wilmington, Delaware

Quimby, Wm. E., Inc., 209 Parkhurst, Newark, N. J.

Quintard Iron Works Co., 40 Wall, New York

Rider-Ericsson Engine Co. ("Recco," Electric), 20 Murray, New York

RUMSEY PUMP CO., LTD., P. O. Box J, Seneca Falls, N. Y.
See adv index at end of book

Ryan M. J. & Co., 941 L, Fresno, Cal.

Sacramento Pump Mfg. & Supply Co., 1800 R, Sacramento, Cal.

San Antonio Machine & Supply Co. ("Samsco"), San Antonio, Tex.

San Diego Machine Co., San Diego, Cal.

San Joaquin Pump Co. ("Wilson Packless"), 2232 Railroad av, Fresno, Cal.

Scranton Pump Co., Scranton, Pa.

Southwark Foundry & Machine Co. (Large), 1128 S. 4th, Phila., Pa.
See adv index at end of book

Strait H. N. Mfg. Co., Kansas City, Kans.

Staten Island Shipbuilding, 3075H Richmond Terrace, Mariners Harbor, Staten Is., N. Y.

Sterling Pump Works ("Sterling"), 646 S California, Stockton, Cal.

Superior Mfg. Co., Inc., Lodi, Cal.

SWABY MFG. CO., 2010 Marshall blvd, Chicago, Ill.

Taylor Machine Works, Battle Creek, Mich.

Termaat & Monahan Mfg. Co. (Gasoline or Kerosene Direct Connected), Oshkosh, Wis.

Tips Engine Works, Austin, Tex.

Toledo Foundry & Machine Co. (Sand), Toledo, O.

Union Steam Pump Co., Battle Creek, Mich.

United Iron Works ("Eclipse" & Step Pressure), Oakland, Cal.

United Iron Works Co. ("United"), Kansas City, Mo.

Valley Foundry & Machine Works, 710H, Fresno, Cal.

Vans Mfg. Co. ("Van's"), 519 N Church, Lodi, Cal.

Weinman Pump Mfg. Co., 300 Spruce, Columbus, O.

WESTINGHOUSE ELECTRIC & MFG. CO. (High & Low Head), East Pittsburgh, Pa. *See adv index at end of book*

Wheeler Condenser & Engineering Co. ("Wheeler"), West Carteret, N. J.

Wilson-Snyder Mfg. Co., 1st & Talbot, Braddock, Pa.

Worthington Pump & Machy. Corp., 115 B'way, New York

YEOMANS BROS. CO., 1436 Dayton, Chicago, Ill. *See adv index at end of book*

YUBA MFG. CO., 433 California, San Francisco, Calif.

Zelnicker Walter Supply Co. (Dealer), 325 Locust, St. Louis, Mo.

11819—Pumps (Centrifugal, Deep Well)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book

AURORA PUMP & MFG. CO., Aurora, Ill.
See adv index at end of book

Byron Jackson Iron Works, Sharon bldg, San Francisco, Cal.

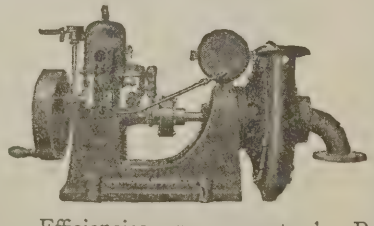
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book

Farrar Pump & Mach. Co., Granite Bldg., St. Louis, Mo.

Gayette Edwin J. Mach Co. ("Air-Go"), 1727 Jones av, Oakland, Cal.

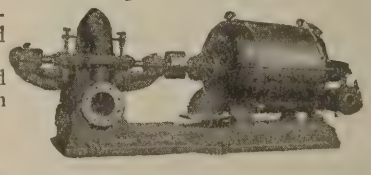
Indiana Air Pump Co., Indiana Pythian bldg, Indianapolis, Ind.

KEYSTONE DRILLER CO. ("Downie"), Beaver Falls, Pa.
See adv index at end of book



LAWRENCE CENTRIFUGAL PUMPS

are built for all classes of service, all capacities, and all heads. They are built both single-stage and multi-stage and with vertical and horizontal shafts, and are so constructed that all internal parts are accessible for inspection or replacement upon lifting the casing cover, and without disturbing discharge or suction connections. All parts subject to wear are made to limit gages, on an interchangeable basis, and are easily and quickly renewable.



Efficiencies are guaranteed. Pumps for specific conditions are tested before leaving the factory, and when requested purchaser is supplied with copy of test report.

LAWRENCE MACHINE CO.

42 Market Street South Lawrence, Mass.

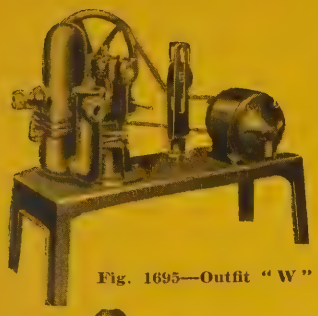


Fig. 1695—Outfit "W"

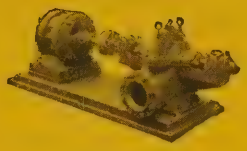
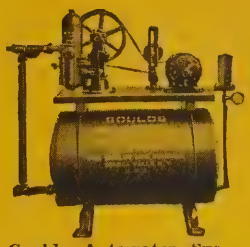


Fig. 3065



Goulds Autowater System (Outfit "X")



Fig. 1687

GOULDS PUMPS

THE GOULDS MANUFACTURING CO.

SENECA FALLS, N. Y.

BRANCHES

Boston 58 Pearl St.	New York 16 Murray St.	Philadelphia 111 No. Third St.	Chicago 12-14 S. Clinton St.
Pittsburgh 636 Henry W. Oliver Bldg.	Atlanta Citizens & Southern Bank Bldg.	Houston 1001 Second Nat'l Bldg.	Washington, D. C. 725 Transportation Bldg.



Fig. 1531
Form "Q" Drive



Fig. 3300

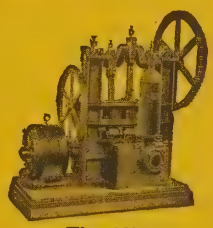


Fig. 1696
Form "C" Drive



Fig. 297



Fig. 562



Fig. 1702



Fig. 3000

A Few of the Many Services for Which GOULDS PUMPS Are Built

- Feeding Boilers, Pumping Sumps
- Operating Hydraulic Elevators
- Municipal Water Works
- Refrigerating Systems
- House Service in Hotels, Apartment Houses and Office Buildings
- Handling Milk, Cider, Vinegar, Wines and Other Liquid Products
- Filling Thresher Tanks
- Overhead Sprinkler Systems
- Pneumatic and Gravity Water Supply Systems
- Tank Pumping in Mills, Bleacheries, Dyehouses, Tanneries, Refineries, Breweries, etc.
- Oil Pipe Lines
- Fire Service
- Irrigation
- Emptying and Filling Oil Tank Cars
- Handling Heavy Liquids, such as Tar, Soap, Mud, Tan Liquors, Chemicals, Sewage, etc.
- Circulating Brine
- Circulating Hot Water in Heating Systems
- Unwatering Mines
- Pumping Bilge
- Handling Pulp and Stuff in Paper Mills
- Pumping Size in Textile Mills
- Vacuum Heating Systems
- Booster Service
- Hydraulic and Filter Presses
- Pumping out Excavations

Being the world's largest manufacturers of pumps for *every service*, we are able to supply you with the best pump for *each* service, and to guarantee that pump to do satisfactorily the work for which we sell it.



Fig. 1185½

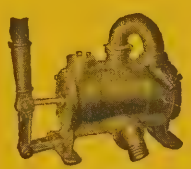


Fig. 1465



Fig. 205½



Fig. 1580



Fig. 1654



Fig. 1440



Fig. 1718



Fig. 1409

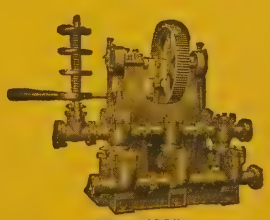


Fig. 1585

TO USE THIS BOOK EFFICIENTLY

Read This Page NOW—and Save Your Time When You Are BUSIER

Address and Local Distributors Section—

Beginning on page 7, gives the names and addresses of manufacturing and other concerns, with branch offices and local distributors of many advertisers.

Index to Classifications of Products—

Beginning on page 351, shows all items of Material, Supplies, Equipment, Machines, etc., indexed and cross indexed in the terms that come first to your mind. Thus "Dredging Buckets" are shown as "Buckets, Dredging," and as "Dredging Buckets." It is preferable, however, always to look for the NOUN.

Classified Products Section—

Beginning on page 501, lists under the name of the product the names of the manufacturers of this product. That those shown in black-faced type are especially equipped to quote is evidenced by their readiness to spend money to secure your inquiries—it will pay you to write them.

All Products are listed alphabetically according to the noun, excepting in the case of "Machinery" and "Textile Machinery," which for your convenience are brought together into two main groups, the former embracing classifications 7671 to 9499 and the latter embracing classifications 14993 to 15489; here the various kinds of machines and machinery are subclassified, each with its own classification number.

Sometimes a general classification, such as "Lumber," appears. Subclassifications appear immediately following the general list, however.

Various trades are listed, also, such as Architects and Contractors. In the larger lists the arrangement is geographical, for your more ready convenience. In the smaller lists the arrangement is alphabetical as to firm names.

Classification numbers, corresponding with the numbers in the Index to Classifications of Products, are shown above the outer column of each page.

If you refer directly to the Classified Products Section, look for the NOUN, thus, "Wardrobes, Office," not "Office Wardrobes."

Tradename Section—

Beginning on page 2301, carries the trade-names of all articles in industrial use put out within the past twenty-five years. We have thousands of additional trade-names on file, however. If you know a trade-name but not the name of the manufacturer, use the Trade-name Section.

And Remember—

We have a Complete Service Department ready to give you any further information or assistance you may desire.

Monarch Foundry Co. ("Monarch"), Sacramento & Oak, Stockton, Cal.
Peerless Pump Co. ("Peerless"), 826 Santa Fe av, Los Angeles, Cal.
Price G. W. Pump & Engine Co., 1350 Folsom, San Francisco, Cal.
San Diego Machine Co., San Diego, Cal.
Union Steam Pump Co., Battle Creek, Mich.
Western Well Works, Inc., 452 W Santa Clara av, San Jose, Cal.

11820—Pumps (Centrifugal, Water Tank)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Well Works, The, 110 N Broadway, Aurora, Ill.
AURORA PUMP & MFG. CO., Aurora, Ill.
See adv index at end of book
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Brown & Sharpe Mfg. Co., Providence, R. I.
Byron Jackson Iron Works, Sharon bldg, San Francisco, Cal.
Dayton-Dowd Co. ("Dayton-Dowd"), 865 Yorke, Quincy, Ill.
See adv index at end of book
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite Bldg., St. Louis, Mo.
Hopedale Mfg. Co., Roper Dept. ("Roco"), Milford, Mass.
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
Lawrence Machine Co. ("Lawrence"), 42 Market, South Lawrence, Mass.
See adv index at end of book
Lawrence Pump & Engine Co. ("Vortex"), Lawrence, Mass.
Monarch Foundry Co. ("Monarch"), Sacramento & Oak, Stockton, Cal.
San Diego Machine Co., San Diego, Cal.
Pelton Water Wheel Co., 19th & Harrison, San Francisco, Cal.
Pennsylvania Pump & Compressor Co., Easton, Pa.
See adv index at end of book
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Price G. W. Pump & Engine Co., 1350 Folsom, San Francisco, Cal.
Union Steam Pump Co., Battle Creek, Mich.
Yeomans Bros. Co., 1436 Dayton, Chicago, Illinois *See adv index at end of book*

11821— Pumps (Chain)

Bushnell Pump Co., Bushnell, Ill.
Butler Mfg. Co., 1228 Eastern av, Kansas City, Mo.
Cedar Rapids Pump Co., Cedar Rapids, Ia.
Ferguson Mfg. Co. ("Kegler" Anti-Freezing), Dubuque, Ia.
Pfender Bros., 804 3rd av, Evansville, Ind.
Rich Pump Co., South & Depot, Cincinnati, O.
Star Bucket Pump Co., 1218 N 15th, St. Louis, Mo.
Wyckoff A. & Son Co., Elmira, N. Y.

11822—Pumps (Chemical Plant)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Aldrich Pump Co., foot of Pine, Allentown, Pa.
American Well Works, The, 110 N Broadway, Aurora, Ill.
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Byron Jackson Iron Works, Sharon bldg, San Francisco, Cal.
Chemical Equipment Co., 2457 S Western av, Chicago, Ill.
CROWELL MFG. CO. ("Crowell" Rotary), 321 Franklin av, Brooklyn, N. Y.
See adv index at end of book
Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
Earle Gear & Machine Co., 4707 Stenton, Phila., Pa.
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite Bldg., St. Louis, Mo.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
Harris Pump & Supply Co., 318 2nd, Pittsburgh, Pa.
See adv index at end of book
Hayton Pump & Blower Co., Appleton, Wisconsin
Johnson John Co., 37th & 2nd av, Brooklyn, N. Y.
KRUGER & BLIND CO., 511 Master, Phila., Pa.
Lummus Walter E. Co., 171 Milk, Boston, Mass.
Midwest Engine Co., Indianapolis, Ind.
McGowan John H. Co., 2nd & Central av, Cincinnati, O.
Pennsylvania Pump & Compressor Co., Easton, Pa.
See adv index at end of book
Traylor Engineering & Manufacturing Co. Allentown, Pa.
Union Steam Pump Co., Battle Creek, Mich.
Yeomans Bros. Co., 1436 Dayton, Chicago, Illinois *See adv index at end of book*

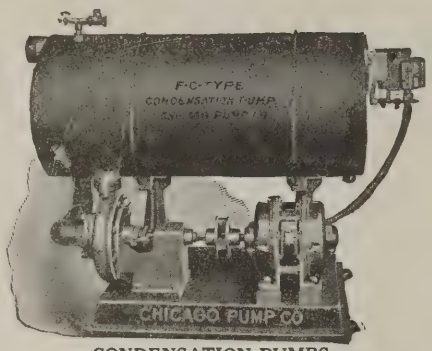
11823— Pumps (Circulating)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Allis-Chalmers Mfg. Co. (Centrifugal or Reciprocating), Milwaukee, Wis.
See adv index at end of book
American Steam Pump Co., Battle Creek Mich.
American Well Works, The, 110 N Broadway, Aurora, Ill.
Atlas Brass Foundry Co., The ("Atlas" Water & Oil Circulating for Autos) Columbus, O.
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Bethlehem Shipbuilding Corp., Ltd. (For Marine Condensers), Dept H, Broadhead & Parker av, Bethlehem, Pa.
Bowser S. F. & Co., Ft. Wayne, Ind.
Boyts Porter & Co., Dept H, Connellsville, Pa.
Bremer O. A. Co., Inc., 215-217 Division, Burlington, Iowa
Brennan Motor Mfg. Co., Syracuse, N. Y.
Brown & Sharpe Mfg. Co., Providence, R. I.
Buffalo Steam Pump Co., Buffalo, N. Y
Byrne Kingston & Co. ("Kingston"), Kokomo, Ind.
Byron Jackson Iron Works, Sharon bldg San Francisco, Cal.
California Pump & Mach. Corp., 2668 Long Beach av, Los Angeles, Cal.
Camden Iron Works, Camden, N. J.
CHICAGO PUMP CO., 2342 Wolfram, Chicago, Ill.
Cincinnati Lubricant Pump Co., Blanchester, O.
Cleveland Universal Parts Co. ("Viking" Oil Circulation for Automobiles), 7320 Madison av, Cleveland, O.
Connor W. B. Inc., 223 W 33rd, New York
Cramer Mfg. Co. ("Milwaukee"), 387 10th, Milwaukee, Wis.
Davidson M. T. Co., 154 Nassau, New York
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
De Laval Steam Turbine Co. (Centrifugal) East Trenton, N. J.
DEMING CO., Salem, O.
See adv index at end of book
Du Bois Iron Works, Du Bois, Pa.
Earle Gear & Machine Co., 4707 Stenton, Phila., Pa.
ECONOMY PUMPING MACHY. CO., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Essex G. B. Brass Co., 480 Franklin, Detroit, Mich.
Evans C. H. & Co. ("Thomas & Evans" Combined Air & Circulating), 189 Fremont, San Francisco, Cal.
F. A. B. Mfg. Co. ("Waterpul," "Kooluit"), 1856 7th, Oakland, Cal.
Fairbanks, Morse & Co., 900 S Wabash av Chicago, Ill.
See adv index at end of book
Foster Pump Works, Inc., 37 Bridge, Brooklyn N. Y.
Fulflo Specialties Co. ("Fulflo," "Lubricating," "Coolant" and "Volume") Blanchester, Ohio
Gardner Governor Co., 23 Williamson, Quincy, Ill.
GOULDS MFG. CO., 71 W Fall, Seneca Falls, New York
See adv index at end of book
Griffith Machine Works ("Sta-Kool" for Fords), 1008 Santee, Los Angeles, Cal.
Hayton Pump & Blower Co., Appleton, Wisconsin
Hopedale Mfg. Co. Roper Dept. ("Roco"), Milford, Mass.
Humphryes Mfg. Co., Mansfield, O.
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
Kingsford Foundry & Machine Works. Owego, N. Y.
LAWRENCE MACHINE CO. ("Lawrence" Centrifugal), 42 Market, South Lawrence, Mass.
See adv index at end of book
Lawrence Pump & Engine Co. ("Vortex"), Lawrence, Mass.
Leader-Trahern Co. ("Trahern"), Rockford, Ill.
Lipman Refrigerator Co. & Mfg. Co., Beloit, Wis.
Lobee Pump & Machinery Co., East Buffalo, N. Y.
Luitwieler Pumping Engine Co., Rochester, N. Y
McGowan John H. Co., 2nd & Central av, Cincinnati, O.
Mackintosh-Hemphill Co., 116 Nassau, Pittsburgh, Pa.
Midwest Engine Co., Indianapolis, Ind.
Milwaukee Auto Engine & Supply Co., 841 29th, Milwaukee, Wis.
Milwaukee Motor Sales Co., 1802 North av, Milwaukee, Wis.
MORRIS MACHINE WORKS, Baldwinsville, N. Y.
Myers F. E. & Bro. Co. ("Myers"), 950 Orange, Ashland, O.
See adv index at end of book
National Transit Pump & Machine Co., Oil City, Pa. *See adv index at end of book*
Nims Pump Co. (for Fords & Fordsons), 444 N Madison, Stockton, Cal.
Northern Fire Apparatus Co., 2422 Univ. av, S. E., Minneapolis, Minn.
Oberdorfer M. L. Brass Co., 810 E Water, Syracuse, N. Y.
Pennsylvania Pump & Compressor Co., Easton, Pa.
See adv index at end of book
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Polar Bear Pump Co. (Auto), 1030 S Grand, Los Angeles, Cal.
Quimby Wm. E., Inc., 204 Parkhurst, Newark, N. J.
Schurs Oil Burner Co. ("Injecto" for Fords), 5332 Santa Fe av, Los Angeles, Cal.
Taylor Machine Works (Water), Battle Creek, Mich.
Twinvolute Pump & Mfg. Co., ("Twinvolute"), 55 William, New York
Union Steam Pump Co., Battle Creek, Mich.
Union Tool Co., H Union Oil Bldg., Torrance, Cal.
Vogt Bros. Mfg. Co., Louisville, Ky.
Wagener Steam Pump Co., Canton, O.
Ward-Love Pump Corp., 716 Race, Rockford, Ill.
Wheeler Condenser & Engineering Co., W. Carteret, N. J.
Worthington Pump & Machy. Corp. (Air & Circulating Combined), 115 B'way, New York
Yeomans Bros. Co., 1436 Dayton, Chicago, Illinois *See adv index at end of book*

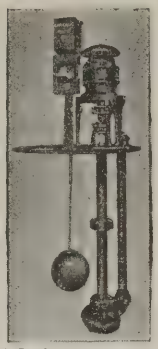
11824— Pumps (Cistern)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Aermotor Co., 2500 W Roosevelt rd, Chicago, Ill.
Althouse-Wheeler Co. (Close Top, Pitcher Spout), Waupun, Wis.
Athol Pump Co., Athol, Mass.
Barnes Mfg. Co., Mansfield, O.
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Beckman Bros. ("B-H"), Des Moines, Ia.
Boyts Porter & Co., Dept H, Connellsville, Pa.
Cedar Rapids Pump Co., Cedar Rapids, Ia.
Columbiana Pump Co., Columbiana, O.
Davis-Hansen Co., Oshkosh, Wis.
Decatur Pump & Mfg. Co., Decatur, Ill.
DEMING CO., Salem, O.
See adv index at end of book
Douglas W. & B., Middletown, Conn.
Duro Pump & Mfg. Co., Dayton, Ohio
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite Bldg., St. Louis, Mo.
Field & Shorb Co. ("F. & S. Ideal"), Decatur, Ill.
Flint & Walling Mfg. Co. ("Hoosier"), Kendallville, Ind.
Fort Wayne Engng. & Mfg. Co., Fort Wayne, Ind.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
Garrison Brass & Machine Works, 107 W 13th, New York
Goulds Mfg. Co., 71 W Fall, Seneca Falls, **N. Y.** *See adv index at end of book*
Hayes Pump & Planter Co. ("Hayes"), Galva, Ill.
Hayton Pump & Blower Co., Appleton, Wisconsin
Hess, Snyder Co. ("Novelty"), Massillon, O.
Humphryes Mfg. Co., Mansfield, O.
Leader-Trahern Co. ("Trahern"), Rockford, Ill.
Love M. A. Mfg. Co. (Force, etc), Rockford, Ill.
Myers F. E. & Bro. ("Myers" Cog Gear), 900 Orange, Ashland, Ohio
Peters Pump Co., Kewanee, Ill.
Rumsey Pump Co. (Ltd.), P. O. Box J, Seneca Falls, N. Y.
See adv index at end of book
Trahern Pump Co., Rockford, Ill.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Ward-Love Pump Corp., 716 Race, Rockford, Ill.
Ward Pump Co. (Force, etc), Rockford, Ill.
Wilder, Sidney & Co., Holliston, Mass.
Wistrand Mfg. Co. ("Blue Star"), Galva, Ill

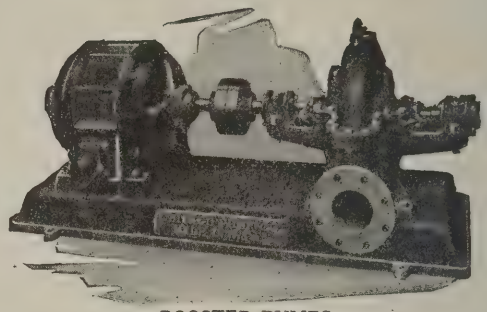
PUMPS PUMPS PUMPS



CONDENSATION PUMPS
VACUUM PUMPS



BILGE PUMPS
SEWAGE EJECTORS



BOOSTER PUMPS
CIRCULATING PUMPS

ALSO FIRE PUMPS AND PNEUMATIC SYSTEMS

CHICAGO PUMP CO. 2342 WOLFRAM STREET
CHICAGO - U.S.A.

11825—Pumps (Combined Air & Circulating)

Abbe Paul Co. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite Bldg., St. Louis, Mo.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
Hayton Pump & Blower Co., Appleton, Wisconsin
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
Pagel Rotary Pump Mfg. Co. 613-17 Washington av, S, Minneapolis, Minn.
Union Steam Pump Co., Battle Creek, Mich.
Vogt Brothers Mfg. Co., Louisville, Ky.
Worthington Pump & Machy. Corp., 115 B'way, New York

11826— Pumps (Compound)

Beach-Russ Co. (For High Vacuum), 38 Church, New York
See adv index at end of book



HIGH VACUUM
COMPOUND PUMPS

1/10 inch of Barometer

Air Compressors

Pumps for Acid, Heavy Liquids and Vacuum Heating

BEACH-RUSS COMPANY
38 CHURCH ST., NEW YORK CITY

Davidson M. T. Co., 154 Nassau, New York
Farrar Pump & Mach. Co., Granite Bldg., St. Louis, Mo.
McGowan John H. Co., 2nd & Central av, Cincinnati, O.
National Transit Pump & Machine Co., Oil City, Pa. *See adv index at end of book*
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Union Steam Pump Co., Battle Creek, Mich.

11827—Pumps (Compression Tank)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Deming Co., Salem, Ohio
See adv index at end of book
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Farrar Pump & Mach. Co., Granite Bldg., St. Louis, Mo.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Myers F. E. & Bro. Co., 950 Orange, Ashland, Ohio
See adv index at end of book
Northern Fire Apparatus Co., 2422 Univ. av, S. E., Minneapolis, Minn.

11828—Pumps (Condensation)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Allis-Chalmers Mfg. Co. (Centrifugal & Reciprocating), Milwaukee, Wis.
See adv index at end of book
American Steam Pump Co., Battle Creek, Mich.
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Beach-Russ Co. (With Receivers), 38 Church, New York
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
CHICAGO PUMP CO. ("Sure Return" Automatic Electric), 2342 Wolfram, Chicago, Ill.
Davidson & Kennedy Co., 872 N Ashley, Atlanta, Ga.
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
Decatur Pump & Mfg. Co., Decatur, Ill.
Du Bois Iron Works, Du Bois, Pa.
Farrar Pump & Mach. Co., Granite Bldg., St. Louis, Mo.
ECONOMY PUMPING MACHY. CO. (& Receiver), 100-126 N Curtis, Chicago, Ill. *See adv index at end of book*
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
Gardner Governor Co., 23 Williamson, Quincy, Ill.
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Hayton Pump & Blower Co., Appleton, Wisconsin.
McGowan John H. Co., 2nd & Central av, Cincinnati, O.
Nash Engineering Co. ("Nash" Hydro-Turbine), South Norwalk, Conn.
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Quimby Wm. E. Inc., 209 Parkhurst, Newark, N. J.
Union Steam Pump Co., Battle Creek, Mich.
Wheeler Condenser & Engineering Co., W. Carteret, N. J.
Yeomans Bros. Co., 1436 Dayton, Chicago, Illinois *See adv index at end of book*

Pumps (Condenser)

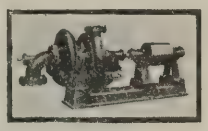
See Condensers, Steam

11829—Pumps (Contractors', for Sewers & Foundations)

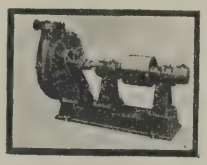
American Cement Machine Co., Keokuk, Ia.
American Well Works, Aurora, Ill.
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Barnes Mfg. Co., 700H N Main, Mansfield, Ohio
Boyts Porter & Co., Dept H, Connellsville, Pa.
C. H. & E. MFG. CO. ("C. H. & E." Portable Driven Bilge), 254 Mineral, Milwaukee, Wis.
See adv index at end of book
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
DEMING CO., Salem, O.
See adv index at end of book
Douglas W. & B., Middletown, Conn.
ECONOMY PUMPING MACHY. CO., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Edson Mfg. Co. ("Edson"), 375H Broadway, Boston, Mass.
Ellicott Machine Corp., 1111 Bush, Baltimore, Md.
See adv index at end of book
Emerson Pump & Valve Co., Alexandria, Va.
Erie Pump & Engine Works ("Erie"), 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Farrar Pump & Mach. Co., Granite Bldg., St. Louis, Mo.
Garrison Brass & Machine Wks., 107 W 13th, New York
GOULDS MFG. CO., 71 W Fall, Seneca, Falls, N. Y. *See adv index at end of book*
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Hayton Pump & Blower Co., Appleton, Wisconsin
Humphryes Mfg. Co. (Porcelain Enameled), Mansfield, O.
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
LAWRENCE MACHINE CO. ("Lawrence" Centrifugal, Gas, Steam or Motor **South Lawrence, Mass.**
See adv index at end of book
Lawrence Pump & Engine Co. ("Vortex"), Lawrence, Mass.
Midwest Engine Co., Indianapolis, Ind.
MORRIS MACHINE WORKS, Baldwinsville, New York
Myers F. E. & Bro. Co. ("Myers") Low Down), 950 Orange, Ashland, Ohio
See adv index at end of book
Novo Engine Co. ("Novo"), Lansing, Mich.
Nye Steam Pump & Machinery Co., 701 N Western av, Chicago, Ill.
Parker A. A. (Mud, Sand, etc), Waterford, N. Y.
Penna Pump & Compressor Co., Easton, Pa.
See adv index at end of book



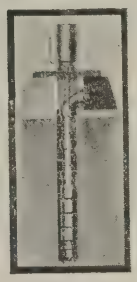
TYPE OMB
Horizontally-split double-suction, pump.



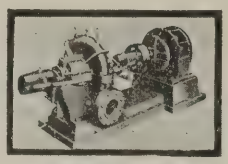
TYPE HH



TYPE GG
Belted, open impeller type.



TYPE T



TYPE AMD
2-stage, horizontal, for heads up to 400 ft.

Let our Engineering Department Solve your Pump Problems.

We Manufacture Pumps to meet all conditions.

Aurora Pump & Mfg. Co.
Aurora, Ill.



TYPE PED
Multi-stage, diffuser type.



TYPE GMD
Single-stage, open impeller type.



TYPE KMB



Figure 100-D
Power head.

Price G. W. Pump & Engine Co., 1350 Folsom, San Francisco, Cal.
Pulsometer Steam Pump Co., 220 W 42nd, New York
RUMSEY PUMP CO., LTD., P. O. Box J, Seneca Falls, N. Y.
See adv index at end of book
Schramm Inc., West Chester, Pa.
Union Steam Pump Co., Battle Creek, Mich.
Waldo Bros. & Bond Co. ("Atlantic" Portable), 181 Congress, Boston, Mass.
Ward-Love Pump Corp., 716 Race, Rockford, Ill.

11830-1— Pumps (Copper)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Athol Pump Co., Athol, Mass.
BEACH-RUSS CO., 38 Church, New York
See adv index at end of book
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
Morris Machine Works, Baldwinsville, Neew York
Sands Alfred B. & Son Co., 20 Vesey, New York
Wilder, Sidney & Co. (Force), Holliston, Mass.

11832— Pumps (Cornish)

Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
See adv index at end of book
Griffith & Wedge Co., Zanesville, O.
Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.
Portage Lake Foundry & Machine Co., Hancock, Mich.
Union Iron Works Co., 20th & Michigan, San Francisco, Cal.

11832a—Pumps (Cotton Seed Oil)

Aldrich Pump Co., foot of Pine, Allentown, Pa.
Buckeye Iron & Brass Works, 322 East Third, Dayton, O.
See adv index at end of book
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Union Steam Pump Co., Battle Creek, Mich.
Yeomans Bros. Co., 1436 Dayton, Chicago, Ill. *See adv index at end of book*

11833—Pumps (Crank & Fly Wheel)

Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Evans C. H. & Co., 189 Fremont, San Francisco, Cal.
GUILD & GARRISON (Fly Wheel), 463 Kent av, Brooklyn, N. Y.
Lobee Pump & Machinery Co., East Buffalo, N. Y.
Midwest Engine Co., Indianapolis, Ind.
National Transit Pump & Machine Co., Oil City, Pa. *See adv index at end of book*
Union Steam Pump Co., Battle Creek, Mich.

11834— Pumps (Creamery)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
BEACH-RUSS CO., 38 Church, New York
See adv index at end of book
Creamery Package Mfg. Co., 61 W Kinzie, Chicago, Ill.
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
DEMING CO., Salem, O.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
Lobee Pump & Machy. Co., Buffalo, N. Y.
McGowan John H. Co., 2nd & Central av, Cincinnati, Ohio
Nash Engineering Co. ("Nash" Hydro-Turbine), South Norwalk, Conn.
Northern Fire Apparatus Co., 2422 Univ. av S E, Minneapolis, Minn.
Trahern Pump Co. (Rotary), Rockford, Ill.
Union Steam Pump Co., Battle Creek, Mich.

Pumps (Deck)

See Pumps, Ship & Deck

11835— Pumps (Deep Well)

Acme Pump Co., H52nd & Santa Fe av, Los Angeles, Calif.
Adrian Mfg. Co., 41 Wilson, San Jose, Cal.
Aldrich Pump Co., foot of Pine, Allentown, Pa.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Steam Pump Co., Battle Creek, Mich.
American Well Works, The, 110 N Broadway, Aurora, Ill.
AURORA PUMP & MFG. CO., Aurora, Ill.
See adv index at end of book
Barnes Mfg. Co., 700H N Main, Mansfield, O.
Bean Spray Pump Co., San Jose, Cal.
Boyts, Porter & Co. (Vertical), Connellsville, Pa.
Byron Jackson Iron Works, Sharon bldg, San Francsico, Cal.
Century Pump Co., 719 6th, Brooklyn, N. Y.
Columbiana Pump Co., Columbiana, O.
Cook August D. (Steam, Belt & Electric Driven), Lawrenceburg, Ind.
Cooper R. J. ("Hart"), Monadnock bldg, San Francisco, Cal.
Corcoran A. J. (Inc.), 745 Jersey av, Jersey City, N. J.
See adv index at end of book
Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
Davidson M. T. Co., 154 Nassau, New York
Davis-Hanson & Co., Harrison, Oshkosh, Wis.
Dayton Pump & Mfg. Co., Dayton, Ohio
Decautur Pump & Mfg. Co. (Noisless Geared), Decatur, Ill.
DEMING CO. (Hand and Power), Salem, O. *See adv index at end of book*
Dorward Pump Co., 417 Market, San Francisco, Cal.
Douglas W. & B., Middletown, Conn.
Duro Pump & Mfg. Co., Dayton, O.
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Evans C. H. & Co. ("Thomson & Evans" Bucket Plunger, Double Acting & Power), 187 Fremont, San Francisco, Cal.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Fort Wayne Engineering & Mfg. Co., Ft. Wayne, Ind.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
Gardner Governor Co., 23 Williams, Quincy, Ill.
Garratt W. T. & Co., 299 Fremont, San Francisco, Cal.
GOULDS MFG. CO., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Guarantee Engng. & Mach. Co. ("G. E. & M. Co."), 1001H N Main, Los Angeles, Cal
Hadfield-Penfield Steel Co. (The) (Portable Hand Power with Tank), Bucyrus, O.
See adv index at end of book
Hall Steam Pump Co. ("Hall"), 213 Galveston, Pittsburgh, Pa.
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book

PUMPS PIPE

WHEN YOU WANT PUMPS CALL HARRIS

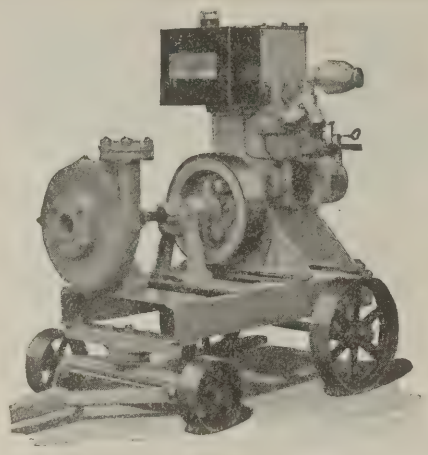
PUMPS
of All Kinds

Air Compressors
Motors, Engines
Water Supply Systems

Harris Pump & Supply Co.
316-320 Second Avenue
PITTSBURGH PENNSYLVANIA

Hayes Pump & Planter Co. ("Hayes"), Galva, Ill.
Herron R. H. ("Oilwell"), 934H N Alameda, Los Angeles, Cal.
Hess-Snyder Co. ("Novelty"), Massillon, O.
Hubbard Machine Co., 615H Howard, San Francisco, Cal.
Humphreys Mfg. Co. ("Monitor" Belt Power or Direct Connected), Mansfield, O.

(Continued on following page)

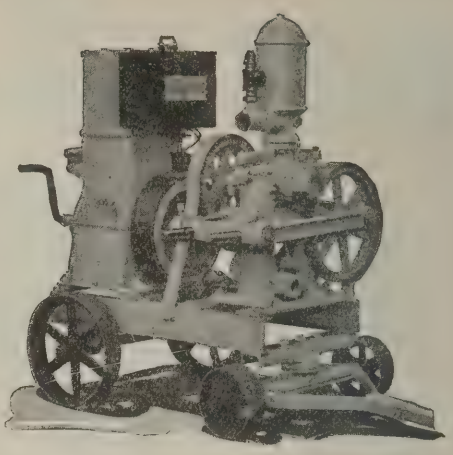


C. H. & E.

Pumps, Saw Rigs
Hoists, Elevators
Mortar Mixers
Compressors

Write for Catalog

C. H. & E. Manufacturing Co.
254 Mineral St., Milwaukee, Wis.



Pumps (Deep Well)—Continued

Indiana Air Pump Co. (Air Lift), Indianapolis, Ind.
Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*
Johnston Pump Co., 407 E 3rd, Los Angeles, Cal.
Kewanee Private Utilities Co. ("Kewanee"), Kewanee, Ill.
KEYSTONE DRILLER CO. ("Downie"), Beaver Falls, Pa.
See adv index at end of book
Kimball Frank J. Co., Inc., 1860 E 15th, Los Angeles, Cal.
Kingwell Bros. California Brass Wks., 444H Natoma, San Francisco, Cal.
Layne & Bowler Corp., 900 Santa Fe av, Los Angeles, Cal.
Luitwieler Pumping Engine Co. ("Luitwieler" Non-Pulsating), 123 Ames, Rochester, N. Y
Manistee Iron Works Co., Manistee, Mich.
Mast-Foos & Co., Springfield, O.
Midland Brass Works Inc. ("Boicourt" Double Stroke), Fort Worth, Texas.
Midwest Engine Co., Indianapolis, Ind.
MYERS F. E. & BRO. CO. ("Myers" Cog Gear Branch Pipe, "Ashland," "Imperial"), 950 Orange, Ashland, O.
See adv index at end of book
National Steam Pump Co., Upper Sandusky, Ohio
Novo Engine Co. ("Novo"), Lansing, Mich.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Peerless Pump Co. ("Peerless"), 826 Santa Fe av, Los Angeles, Cal.
Peters Pump Co., Kewanee, Ill.
Pomona Mfg. Co., Pomona, Cal.
Price Pump & Engine Co. G. W., 1350 Folsom, San Francisco, Cal.
Red Jacket Mfg. Co. ("Red Jacket," Detached Cylinder, etc), Davenport, Ia.
Rumsey Pump Co. (Ltd.), Box J, Seneca Falls, New York
See adv index at end of book
San Diego Machine Co., San Diego, Cal.
Standard Deep Well Pump Co., 1318 Santa Fe av, Los Angeles, Cal.
Standard Pump & Engine Co., Akron, O.
Stearns Gas Engine Wks., 1003 N Main, Los Angeles, Cal.
Sterling Pump Works, Inc. ("Sterling"), 646 S California, Stockton, Cal.
Superior Mfg. Co. Inc., Lodi, Cal.
Trahern Pump Co. (Single & Double Acting, Hand, etc), Rockford, Ill.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Union Machine Works, 9344 Brannan, San Francisco
Union Steam Pump Co., Battle Creek, Mich.
United Iron Wks. ("Pomona"), Ridge Arcade bldg, Kansas City, Mo.
Vaile-Kimes Co. ("V. & K."), Dayton, O.
Warren Steam Pump Co., Warren, Mass.
Weinman Pump Mfg. Co. (Electric & Belt Driven), 300 Spruce, Columbus, O.
West Coast Gas Eng. Co., 321 W Market, San Diego, Cal.
Wilder, Sidney & Co., Holliston, Mass.
Worthington Pump & Machy. Corp., 115 Broadway, N. Y.

11836— Pumps (Diaphragm)

American Cement Machine Co., Keokuk, Ia.
Barnes Mfg. Co., Mansfield, O.
C. H. & E. MFG. CO. (Portable Gasoline Engine Driven), 254 Mineral, Milwaukee, Wis.
See adv index at end of book
Carter Ralph B. Co. ("Humdinger"), 152 Chambers, New York
Construction Machinery Co., 113 Vinton, Waterloo, Iowa.
DEMING CO., Salem O.
See adv index at end of book
Domestic Engine & Pump Co., Dept. H, Shippensburg, Pa.
Douglas W. & B. ("Acme," "Ajax"), Middletown, Conn
Edson Mfg. Co. ("Edson" French Force & Lift), 375H B'way, Boston, Mass.
Fairbanks, Morse & Co. (Trench), 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Garfield & Co., 1323 Hearst bldg, San Francisco, Cal.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y
See adv index at end of book
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Hinman D. A. & Co. ("Sandwich"), Sandwich, Ill.
Humphryes Mfg. Co. (Hand or Power), Mansfield, O.
Johnson John Co., 37th & 2nd av, Brooklyn, N. Y.
Laughlin Thos. Co., 135 Fore, Portland, Me. ***See adv index at end of book***
Neptune Hardware Mfg. Co., 80 Warren, New York
Novo Engine Co. ("Novo"), Lansing, Mich.
Pulsometer Pump Co., 220 W 42nd, New York
Rumsey Pump Co. (Ltd.), Box J, Seneca Falls, New York
See adv index at end of book
Schramm Inc., West Chester, Pa.
Van Nouhuys Mach. Works ("Cascade"), Albany, N. Y.
Waldo Bros. & Bond Co. ("Atlantic Portable), 131 Congress, Boston, Mass.

11837— Pumps (Distillers)

Aldrich Pump Co., foot of Pine, Allentown, Pa.
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Boyts Porter Co., Dept H, Connellsville, Pa.
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*
McGowan John H. Co., 2nd & Central av, Cincinnati, Ohio
Northern Fire Apparatus Co., 2422 Univ. av S E, Minneapolis, Minn.
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Union Steam Pump Co., Battle Creek, Mich.
Vogt Bros. Mfg. Co., Louisville, Ky.

11838—Pumps (Double-Acting)

Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Barnes Mfg. Co., 700H N Main, Mansfield, O.
Boyts Porter Co., Dept H, Connellsville, Pa.
Clark Keefe & Co., 1301 Larrabee, Chicago, Ill.
Davis-Hansen Co., Oshkosh, Wis.
Douglas W. & B. (Hand or Power), Middletown, Conn.
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erwin & Co., 3736 Cottage Grove av, Chicago, Ill.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Flint & Walling Mfg. Co. ("Fast Mail" Force), Kendallville, Ind.
Gardner Governor Co., 23 **Williams, Quincy, Ill.**
Garratt W. T. & Co. ("Hooker" Miner's Station), 299 Fremont, **San Francisco,** Cal.
Guarantee Engng. & Mach. Co. ("G. E. & M. Co."), 1001H N Main, Los Angeles, Cal.
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Hayes Pump & Planter Co. ("Hayes"), Galva, Ill.
Hayton Pump & Blower Co. ("Sandusky" Triplex), Appleton, Wis.
Leader Iron Works, Decatur, Ill.
Love M. A. Mfg. Co. ("Western," Hand or Windmill), Rockford, Ill.
Midwest Engine Co., Indianapolis, Ind.
Myers F. E. & Bro. Co., 950 Orange, Ashland, O.
See adv index at end of book
Peters Pump Co. ("Peters" Electric), Kewanee, Ill.
San Diego Machine Co., San Diego, Cal.
Trahern Pump Co. (Hand or Windmill), Rockford, Ill.
Turner Brass Works ("Turner" Floor), Sycamore, Ill.
Union Steam Pump Co., Battle Creek, Mich.
Vogt Bros. Mfg. Co., Louisville, Ky.
Ward-Love Pump Corp., 716 Race, Rockford, Ill.

11839— Pumps (Drain)

Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Kimball Frank J. Co., Inc., 1860 E 15th, Los Angeles, Cal.
Union Steam Pump Co., Battle Creek, Mich.
Yeomans Bros Co., 1436 Dayton, Chicago, Ill. ***See adv index at end of book***

11840— Pumps (Drainage)

See also Hydraulic Rams

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
American Well Works, Aurora, Ill.
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Barnes Mfg. Co., 700H N Main, Mansfield, O.
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
ELLICOTT MACHINE CORP., 1111 Bush, Baltimore, Md.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Harris Pump & Supply Co., 318 2nd **av,** Pittsburgh, Pa.
See adv index at end of book

(*Continued on page* 1768)

KEYSTONE DRILLER COMPANY

TRADE MARK DOWNIE REGISTERED U. S. PATENT OFFICE

Manufacturers of "Downie" Pumps
Deep Well and Centrifugal
BEAVER FALLS, PA.

Makers of Keystone Excavators and Well Drills

Cable Address
"DRILLER", Beaver Falls, Pa.

BRANCH OFFICES
170 Broadway, New York
Monadnock Block, Chicago
Joplin, Mo.

PRODUCTS

"Downie" deep well plunger pumps, single and double stroke, steam and geared. Described in Catalog No. 6.

"Downie" Centrifugal Pumps, single and multi-stage, horizontal and vertical. Described in Bulletin No. 801.

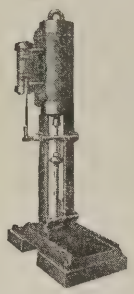
TRADE MARK DOWNIE REGISTERED U. S. PATENT OFFICE

"DOWNIE" DEEP WELL PUMPS

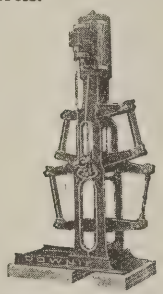
These pumps are built in a great variety of types and sizes to meet every deep well pumping condition where steam or any form of driving power is available. Capacities range from 85,000 gals. per hour using 18" dia. Working Barrel, down to 250-600 gals. per hour using 1¾" dia. Working Barrel. They are designed and constructed according to the highest standards of engineering practice, incorporating only accepted scientific principles of operation, and to obtain the highest degree of efficient, reliable and satisfactory operation with minimum cost of maintenance. The power heads can be furnished with any form of drive, belt, rope, chain, gear, or direct drive, from any type of driver.

"Downie" Single Stroke Deep Well Pumps, Steam and Geared—Are suitable for pumping moderate quantities of water from a given size well, and where power economy is not so important as it is to keep the initial cost of equipment at a minimum for reliable operation. Guaranteed efficiency on "Downie" Single Stroke Pumps—over 55%.

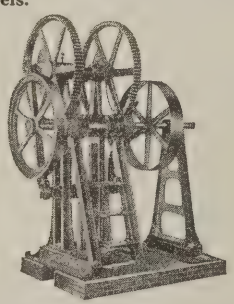
"Downie" Double Stroke Deep Well Pumps, Steam and Geared—Should be used where a maximum quantity of water is wanted from a given size well, and where the highest possible degree of power economy is desired. These pumps produce an absolutely steady flow of water at the pump discharge. The guaranteed efficiency of "Downie" Double Stroke Pumps is over 80%.



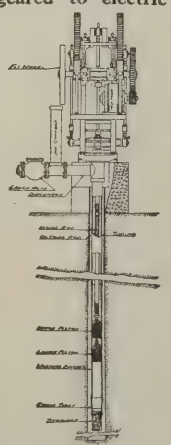
Downie Class "B" Single Stroke Steam Pump Head—24-inch Stroke for use with Single Plunger Working Barrels.



Downie Class "G" Double Stroke Steam Deep Well Pump Head for use with two plunger working barrels.



Downie Class "A" Double Geared Single Stroke Deep Well Pump Head, belt drive, for use with single plunger working barrels. Can be direct geared to electric motor.



Typical Installation of Downie Double Stroke Geared deep well pump, direct geared to motor, showing two plunger working barrel in the well.

ENGINEERING SERVICE

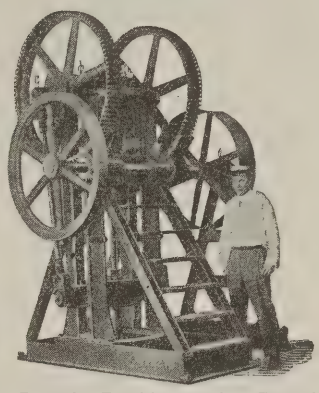
An Engineering Service Department is maintained by the **Keystone Driller Co.** which is especially prepared to assist in the selection of equipment to fulfill any condition of requirements in the most economical, reliable and satisfactory manner. Those contemplating the installation of deep well pumping equipment are invited to present their problems. This service is free and carries no obligation. In presenting these problems, if the following information is given as far as possible in first communication, it will save time and correspondence:-

1. Quantity it is desired to pump, per minute, per hour, or per day of so many hours. 2. Pumping depth below ground surface (or mouth of well) when pumping the desired quantity. Note: If unable to give No. 2, state, if possible, the natural standing depth of water below ground surface, and how much it lowered when pumping any given quantity, stating quantity. 3. Vertical lift required above surface (if any), or pressure per sq. inch, into pressure tanks or mains. 4. Dia. of well, down to where it is likely necessary to set Working Barrel, also state total depth of well. 5. State kind of power available and form of drive preferred. Also whether driving power is to be included with pump, and if electric, state voltage if direct current, and cycles and phase and voltage if alternating current.

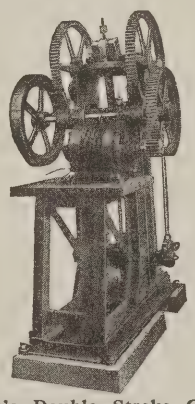
TRADE MARK DOWNIE REGISTERED U. S. PATENT OFFICE

CENTRIFUGAL PUMPS

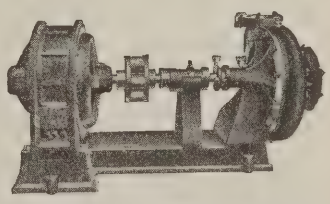
These pumps include a great variety of types and sizes from 1" to 15" inclusive for capacities ranging from 15 to 10,000 gals. per minute, and to operate against total heads up to 500 ft. or 215 lbs. pressure. They are particularly noted for their ruggedness, simplicity, and exceptionally high degree of economical operation. They can be furnished with any form of drive, belt, rope, chain, gear, or direct drive, from any type of driver. Guaranteed efficiency of "Downie" Centrifugal Pumps—50% to 80%, varying according to size and operating conditions.



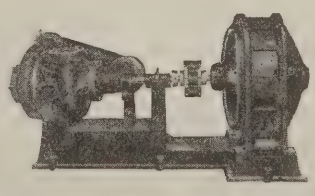
Downie Double Stroke Geared Deep Well Pump Head for heavy duty with two plunger working barrel. Cut shows belt drive type. Can be direct geared to motor or fitted for any other form of drive.



Downie Double Stroke Geared Deep Well Pump Head direct geared to electric motor, for use with two plunger working barrels.



Models "AM" and "BM" Single Stage Downie Centrifugal Pump direct connected to motor, for heads up to 125 ft. Sizes 1-inch to 12-inch discharge.



Models "AAM" and "BBM" Downie Two-Stage Centrifugal Pump, Direct-Connected to Motor, for Heads 125 to 250 Feet. Sizes 1-inch to 12-inch discharge.

Pumps (Drainage)—Continued

Hayton Pump & Blower Co., Appleton, Wis.
Ingersoll-Rand Co., 11 Broadway, New New York *See adv index at end of book*
Jennings Pump & Dredge Co., 180 Dearborn, Chicago, Ill.
LAWRENCE MACHINE CO. ("Lawrence" Centrifugal), 42 Market, South Lawrence, Mass. *See adv index at end of book*
Lawrence Pump & Engine Co. ("Vortex"), Lawrence, Mass.
Layne & Bowler Corp., 900 Santa Fe av, Los Angeles, Cal.
See adv index at end of book
Link-Belt Company, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Menge Pump & Machy Co., 862H Tchoupitoulas, New Orleans, La.
Midwest Engine Co., Indianapolis, Ind.
Morris Machine Works, Baldwinsville, New York
Myers F. E. & Bro. Co. ("Myers"), 950 Orange, Ashland, O.
See adv index at end of book
Novo Engine Co. ("Novo"), Lansing, Mich.
Peerless Pump Co. ("Peerless"), 826 Santa Fe av, Los Angeles, Cal.
Penna Pump & Compressor Co., Easton, Pa.
See adv index at end of book
Price G. W. Pump & Engine Co., 1350 Folsom, San Francisco, Cal.
Quimby Wm. E., Inc., 209 Parkhurst, Newark, N. J.
Union Steam Pump Co., Battle Creek, Mich.
Vans Mfg. Co. ("Vans"), 519N Church, Lodi, Cal.
Vogt Bros. Mfg. Co., Louisville, Ky.
Worthington Pump & Machy. Corp., 115 B'way, New York
Yeomans Bros. Co., 1436 Dayton, Chicago, Ill. *See adv index at end of book*

11840a—*Pumps (Dredging)

See Also Pumps, Sand & Dredging
ELLICOTT MACHINE CORP., 1111 Bush, Baltimore, Md.
See adv index at end of book

11840b— Pumps (Duplex)

See also Pumps, Compound, also Pumps, Steam
Boyts Porter Co., Dept H, Connellsville, Pa.
Buffalo Steam Pump Co., Buffalo, N. Y.
Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Erwin & Co., 3736 Cottage Grove av, Chicago, Ill.
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
Gardner Governor Co., 23 Williams, Quincy, Ill.
Goulds Mfg. Co., Seneca Fall, N. Y.
See adv index at end of book
Haubtman & Loeb Co., Ltd., 618 Magazine, New Orleans, La.
Herren R. H. Co., 934H N Alameda, Los Angeles, Cal.
McGowan John H. Co., 2nd & Central av, Cincinnati, O.
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Union Steam Pump Co., Battle Creek, Mich.

11841— Pumps (Electric)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Acme Pump & Tank Co. (Gasoline), 19 W 44th, New York
Aldrich Pump Co. ("Aldrich"), foot of Pine, Allentown, Pa.
Allen & Billmyre Co. Inc., Grand Central Palace, New York
See adv index at end of book
Allis-Chalmers Mfg. Co. (Motor Driven), Milwaukee, Wis.
See adv index at end of book
Amer Electric Air Pump Co. (Vacuum), Pittsburgh, Pa.
American Steam Pump Co., Battle Creek, Mich.
American Well Works, The, 110 N Broadway, Aurora, Ill.
See adv index at end of book
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Automatic Rotary Pump Co, Bible House, New York.
Barnes Mfg. Co., 700H N Main, Mansfield, O.
BEACH-RUSS Co., 38 Church, New York
See adv index at end of book
Bleyle Electric Co. ("Economic"), 84 Cortlandt, New York
Bowser S. F. & Co., Ft. Wayne, Ind.
Boyts, Porter & Co., Connellsville, Pa.
Buffalo Steam Pump Co., Buffalo, N. Y.
Byron Jackson Iron Works, Sharon bldg, San Francisco, Cal.
Centrifugal Pump Co., 455 Canal, New York
Century Pump Co., 719 6th, Brooklyn, N. Y.
CHICAGO PUMP CO., 2342 Wolfram, Chicago, Ill.
Columbiana Pump Co., Columbiana, O.
Commercial Iron Works of L. A., 2424 Porter, Los Angeles, Cal.
Connellsville Foundry Machine & Steel Casting Co., Connellsville, Pa.
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
Dayton Pump & Mfg. Co., Dayton, Ohio
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
DEMING CO., Salem, O.
See adv index at end of book
D'Olier Centrifugal Pump & Mach. Co., 165 B'way, New York
Douglas W. & B., Middletown, Conn.
Du Bois Iron Works, Du Bois, Pa.
See adv index at end of book

Steam and Electric Pumps
Grey Iron Castings
and
Sash Weights
DU BOIS IRON WORKS
Du Bois, Pa.

DUNNING & BOSCHERT PRESS CO., INC., 379 W Water, Syracuse, N. Y.
See adv index at end of book
Duro Pump & Mfg. Co., Dayton, O.
Earle Gear & Machine Co., 4707 Stenton, Phila., Pa.
ECONOMY PUMPING MACHY. CO., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Ellicott Machine Corp., 1111 Bush, Baltimore, Md.
See adv index at end of book
ERIE PUMP & ENGINE WORKS ("Erie"), 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Erwin & Co. (Automatic), 3736 Cottage Grove av, Chicago, Ill.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Fort Wayne Engng. & Mfg. Co. ("Paul"), Fort Wayne, Ind.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
French Oil Mill Machinery Co., Piqua, O.
Gardner Governor Co., 23 Williams, Quincy, Ill.
GOULDS MFG. CO., 71 W Fall, Seneca Falls, N. Y.
See adv index at end of book
Harris Electric Pump Co. ("H & K"), Suite 506, Educational bldg, New York
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
Hayton Pump & Blower Co., Appleton, Wis.
Holland Machine Co., 71 8th av, New York
Humphryes Mfg. Co., Mansfield, O.
Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*
Ives Mfg. Co., 203 Hanover, Baltimore, Md.
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
Johnson John Co., 37th & 2nd av, Brooklyn, N. Y.
Kewanee Private Utilities Co. (For Pumping Water Supply, etc), Kewanee, Ill.
LAWRENCE MACHINE CO. ("Lawrence"), 42 Market, South Lawrence, Mass. *See adv index at end of book*
Lawrence Pump & Engine Co. ("Vortex"), Lawrence, Mass.
Lipman Refrigerator Car & Mfg. Co., Beloit, Wis.
Lobee Pump & Machinery Co., East Buffalo, N. Y.
Lunt-Moss Co., 43 S Market, Boston, Mass.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
McGowan John H. Co., 2nd & Central av, Cincinnati, O.
Midwest Engine Co., Indianapolis, Ind
Monarch Engineering Co., 230 E First Dayton, O.
Morris Machine Works, Baldwinsville New York
MYERS F. E. & BRO. CO. ("Myers" Bulldozer, "Myers" Automatic), 950 Orange, Ashland, O.
See adv index at end of book
Nash Engineering Co. ("Nash," Hydro-Turbine), South Norwalk, Conn.
National Transit Pump & Machine Co., Oil City, Pa. *See adv index at end of book*
N. Y. Air Brake Co., 165 B'way, New York
Northern Fire Apparatus Co., 2422 Univ. av S E, Minneapolis, Minn.
Nugent Wm. W. & Co., 416 N Hermitage, Chicago, Ill.
Pelton Water Wheel Co., Dept. H, 19th & Harrison, San Francisco, Cal.
Pennsylvania Pump & Compressor Co., Easton, Pa.
See adv index at end of book
Peters Pump Co. ("Peters" Double-Acting), Kewanee, Ill.
PLATT IRON WORKS, Dayton, Ohio
See adv index at end of book
Prescott Co., Menominee, Mich.
Quimby Wm. E., Inc. (Direct Connected), 209 Parkhurst, Newark, N. J.
Rider-Ericsson Engine Co. ("Reeco"), Walden, N. Y.
Roberts Geo. J. Co., Dayton, O.
Roots P. H. & F. M. Company, Connersville, Ind.
RUMSEY PUMP CO. (Ltd.) Box J, Seneca Falls, New York
See adv index at end of book
San Diego Machine Co., San Diego, Cal.
Scranton Pump Co., Scranton, Pa.
Standard Pump & Engine Co., Akron, O.
Taber Pump Co. (Portable), 291 Elm, Buffalo, N. Y.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Twinvolute Pump & Mfg. Co. ("Twinvolute"), 55 William, New York
Union Steam Pump Co., Battle Creek, Mich.
Valle-Kimes Co. ("V. & K."), Dayton, O.
Varwig Mfg. Co., 120 Opera pl, Cincinnati, O.
Victor Elec. Corp., 236 S Robey, Chicago, Ill.
Vogt Bros. Mfg. Co., Louisville, Ky.
Weiman Pump Mfg. Co., 300 Spruce Columbus, O.
Wheeler Condenser & Engineering Co. (Motor Drive), W. Carteret, N. J.
Wood R. D. & Co., 400 Chestnut, Phila., Pa.
Worthington Pump & Machy. Corp., 115 Broadway, New York
YEOMANS BROS. CO., 1436 Dayton, Chicago, Ill. *See adv index at end of book*
YOUNG PUMP CO., 230 E Ohio, Chicago, Ill.

11842—Pumps (Electric Air)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Allen & Billmyre Co. Inc. (Air Compressors and Vacuum Pumps) Grand Central Palace, New York
See adv index at end of book
Allis-Chalmers Mfg. Co. (Motor Driven), Milwaukee, Wis.
See adv index at end of book
American Electric Air Pump Co., Penn & Ia.
American Steam Pump Co., Battle Creek, Barbeau, Pittsburgh, Pa.
Black & Decker Mfg. Co., Dept. H, E Penn av, Baltimore, Md.
Chicago Pump Co., 2342 Wolfram, Chicago, Ill.
Cleveland Faucet Co. ("Champion" Automatic), 1396 E 9th, Cleveland, O.
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
GALLAND-HENNING MFG. CO., 26th av & Montana, Milwaukee, Wis.
See adv index at end of book
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Ives Mfg. Co., 203 Hanover, Baltimore, Md.
Lipman Refrigerator Car & Mfg. Co., Beloit, Wis.
Nash Engineering Co. ("Nash" Hydro-Turbine), South Norwalk, Conn.
Union Steam Pump Co., Battle Creek, Mich.

11843—Pumps (Electric House)

Abbe Paul O. Inc. ("Abbebilt"), 924 Johnston bldg, New York
See adv index at end of book
Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
American Steam Pump Co., Battle Creek, Mich.
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Barnes Mfg. Co., 700H N Main, Mansfield, O.
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Byron Jackson Iron Works, Sharon bldg, San Francisco, Cal.
Chicago Pump Co., 2342 Wolfram, Chicago, Ill.
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
Duro Pump & Mfg. Co., Dayton, O.
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Flint & Walling Mfg. Co. ("F & W" & "Hoosier"), Kendallville, Ind.
Fort Wayne Engng. & Mfg. Co., Fort Wayne, Ind.

Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Hayton Pump & Blower Co., Appleton, Wis.
Ives Mfg. Co., 203 Hanover, Baltimore. Md
Leader Iron Works ("Leader"), Decatur, Ill.
Lourie Hydraulic Press Co., Springfield, Ill. *See adv index at end of book*
McGowan John H. Co., 2nd & Central av, Cincinnati, O.
Myers F. E. & Bro. Co. ("Myers" Automatic Control "Myers" Hydro-Pneumatic), 950 Orange, Ashland, O.
See adv index at end of book
Northern Fire Apparatus Co., 2422 Univ. av S E, Minneapolis, Minn.
Quimby Wm. E. Inc., 209 Parkhurst, Newark, N. J.
Roberts, Geo. J. Co. ("Gem"), Dayton, O.
Union Steam Pump Co., Battle Creek, Mich.
Ward-Love Pump Corp., 716 Race, Rockford, Ill.
YEOMANS BROS. CO., 1436 Dayton, Chicago, Ill. *See adv index at end of book*

11844—Pumps (Electric Pressure)

Aldrich Pump Co., foot of Pine, Allentown, Pa.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Barnes Mfg. Co., 700H N Main, Mansfield, O.
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
DUNNING & BOSCHERT PRESS CO., INC., 379 W Water, Syracuse, N. Y.
See adv index at end of book
Economy Pumping Machy. Co., 100-126 N curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Gardner Governor Co., 23 Williams, **Quincy, Ill.**
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Lipman Refrigerator Car & Mfg. Co., Beloit, Wis.
Luitwieler Pumping Engine Co., Rochester, N. Y.
McGowan, John H. Co., 2nd & Central av, Cincinnati, O.
Northern Fire Apparatus Co., 2422 Univ. av S E, Minneapolis, Minn.
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Quimby Wm. E., Inc., 209 Parkhurst, Newark, N. J.
Roberts Geo J. Co. ("Gem"), Dayton, O.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Union Steam Pump Co., Battle Creek, Mich.
Yeomans Bros. Co., 1436 Dayton, Chicago, Ill. *See adv index at end of book*

11845— Pumps (Elevator)

Aldrich Pump Co., foot of Pine, Allentown, Pa.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Steam Pump Co., Battle Creek, Mich.
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Blake Pump & Condenser Co., Fitchburg, Mass.
Blakeslee Mfg. Co., Du Quoin, Ill.
Buffalo Steam Pump Co., Buffalo, N. Y.
Burton & Johnson Co., 2301 Center av, Cleveland, O.
Butler Mfg. Co., 1228 Eastern av, Kansas City, Mo.
Byron Jackson Iron Works, Sharon bldg, San Francisco, Cal.
California Pump & Machine Corp., 2608 Long Beach av, Los Angeles, Cal.
Chicago Pump Co., 2342 Wolfram, Chicago, Ill.
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
Douglas W. & B., Middletown, Conn.
Earle Gear & Machine Co., 4707 Stenton, Phila., Pa.
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
Gardner Governor Co., 23 **Williams, Quincy, Ill.**
Garratt W. T. & Co., 299 Tremont, San Francisco, Cal.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y.
See adv index at end of book
Hall Stearn Pump Co. ("Hall"), 213 Galveston, Pittsburgh, Pa.
Hayton Pump & Blower Co., Appleton, Wis.
McGowan John H. Co., 2nd & Central av, Cincinnati, O.
National Transit Pump & Machine Co., **Oil City, Pa.** *See adv index at end of book*
Northern Fire Apparatus Co., 2422 Univ. av S E, Minneapolis, Minn.
Pennsylvania Pump & Compressor Co., Easton, Pa.
See adv index at end of book
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Price G. W. Pump & Engine Co., 1350 Folsom, San Francisco, Cal.
Quimby Wm. E., Inc., 209 Parkhurst, Newark, N. J.
Rumsey Pump Co. (Ltd.), Box J, Seneca Falls, New York
See adv index at end of book
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Twinvolute Pump & Mfg. Co. ("Twinvolute"), 55 William, New York
Union Steam Pump Co., Battle Creek, Mich.
Worthington Pump & Machy. Corp., 115 B'way, New York
Yeomans Bros. Co., 1436 Dayton, Chicago, Ill. *See adv index at end of book*

11845a— Pumps, Engines, etc.

See also Headings under Pumps, Engines, etc
Aldrich Pump Co., foot of Pine, Allentown, Pa.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
DARCOID COMPANY ("Rodtite," "Dominion," "Cable Prince"), 1780 Broadway, New York
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Michigan Machine Co. ("Pollway"), 85 Porter, Detroit, Mich.
Montpelier Mfg. Co. ("Page" Adjustable Pumps & Drilling Engines), Montpelier, Ind.
Novo Engine Co. ("Novo"), Lansing, Mich.

11845b—Pumps (Evaporator Feed)

Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
GRISCOM-RUSSELL CO., 92 West, New York *See adv index at end of book*
Union Steam Pump Co., Battle Creek, Mich.

11846—Pumps (Fan & Stuff)

Aldrich Pump Co., foot of Pine, Allentown, Pa.
Beloit Iron Works (Stuff), Beloit, Wis.
Black-Clawson Co. ("B-C-Co Fan"), Hamilton, O.
Clark H. C. & Son Machine Co., Lee, Mass.
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
DEMING CO. (Duplex & Triplex), Salem, O. *See adv index at end of book*
Dilion Machine Co. ("Duplex" & "Triplex" Stuff), Lawrence, Mass.
Economy Pumping Machy Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Emerson Mfg. Co., Lawrence, Mass.
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Goulds Mfg. Co. (Stuff only), 71 W Fall, Seneca Falls, N. Y.
See adv index at end of book
Hayton Pump & Blower Co. ("Sandusky" Triplex), Appleton, Wis.
Jolly J. & W. Inc., Holyoke, Mass.
Mills Machine Co., Lawrence, Mass.
National Transit Pump & Machine Co., Oil City, Pa. *See adv index at end of book*
Noble & Wood Machine Co., Hoosick Falls, N. Y.
Pulsometer Steam Pump Co. (Stuff for Pulp Mills), 220 W 42nd, New York
Pusey & Jones Co. (Heavy Triple Stuff, 8" to 10"), Dept. H, Popular & Front, Wilmington, Del.
Rice, Barton & Fales Inc., 65 Taintor, Worcester, Mass.
Sandy Hill Iron & Brass Works, Hudson Falls, N. Y.
Shartle Bros. Machine Co. (Multiple Fan), Middletown, O.
Union Steam Pump Co., **Battle Creek,** Mich.
Worthington Pump & Machy. Corp., 115 B'way, New York

11847—Pumps (Filter Press)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Aldrich Pump Co., foot of Pine, Allentown, Pa.
American Steam Pump Co., Battle Creek, Mich.
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Buffalo Steam Pump Co., Buffalo, N. Y.
Chemical Equipment Co., 2457 S Western av, Chicago, Ill.
Davidson M. T. Co., 154 Nassau, New York
De Laval Steam Turbine Co. (Centrifugal), E Trenton, N. J.
See adv index at end of book
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
Gardner Governor Co., 23 **Williams, Quincy, Ill.**
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Guild & Garrison, 457 Kent av, Brooklyn, N. Y.
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Hydraulic Press Mfg. Co. ("Mt. Gilead"), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book
Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*
Johnson John Co., 37th & 2nd av, Brooklyn, N. Y.
McGowan John H. Co., 2nd & Central av, Cincinnati, O.
Nash Engineering Co. ("Nash" Hydro-Turbine), South Norwalk, Conn.
National Transit Pump & Machine Co., Oil City, Pa. *See adv index at end of book*
Pennsylvania Pump & Compressor Co., Easton, Pa.
See adv index at end of book
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Provost Engng. Corp., 50 Church, New York
Shriver T. & Co., Harrison, N. J.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Union Steam Pump Co., Battle Creek, Mich.
Wagener Steam Pump Co., Canton, O.
Worthington Pump & Machy. Corp., **115** B'way, New York

11848— Pumps (Fire)

See also Pumps, Steam
Allis-Chalmers Mfg. Co. (Underwriters', Single or Multi-Stage), Milwaukee, Wis.
See adv index at end of book
American Steam Pump Co., Battle Creek, Mich.
American Well Works (Centrifugal), Aurora, Ill.
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Buffalo Steam Pump Co., Buffalo, N. Y.
Byron Jackson Iron Works, Sharon bldg, San Francsico, Cal.
Chicago Pump Co., 2342 Wolfram, Chicago, Ill.
DAYTON-DOWD CO. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
Dow Pump & Diesel Engine Co. ("Dow") Alameda, Cal.
Earle Gear & Machine Co., 4707 Stenton, Phila., Pa.
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Evans C. H. & Co. ("Thomson & Evans"), 189 Fremont, San Francsico, Cal.
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foamite-Childs Corporation, 101 Turner, Utica, N. Y.
Gardner Governor Co., 23 **Williams, Quincy, Ill.**
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
Hale Fire Pump Co. ("Young Giant"), Conshohocken. Pa.
Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*
Mackintosh-Hemphill Co., 116 Nassau, Pittsburgh, Pa.
Midwest Engine Co., Indianapolis, Ind.
Moran Mfg. Co. ("Moran" Centrifugal), 2761 First av, S, Seattle, Wash.
Myers F. E. & Bro. Co., 950 Orange, Ashland, O.
See adv index at end of book
Northern Fire Apparatus Co., 2422 Univ. av S E, Minneapolis, Minn.

(Continued on following page)

Pumps (Fire)—Continued

Penna. Pump & Compressor Co., Easton, Pa.
See adv index at end of book
Quimby Wm. E., Inc., 209 Parkhurst, Newark, N. J.
Roberts Geo. J. Co. ("Gem"), Dayton, O.
Seagrave Co., Columbus, O.
Twinvolute Pump & Mfg. Co. ("Twinvolute"), 55 William, New York
Union Steam Pump Co., Battle Creek, Mich.
Worthington Pump & Machy. Corp., 115 Broadway, New York

11849—Pumps (Fire, Hand)

DEMING CO., Salem, O.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y.
See adv index at end of book
Humphreys Mfg. Co., Mansfield, O.
Myers F. E. & Bro. Co., 950 Orange, Ashland, O.
See adv index at end of book

11850—Pumps (Fire Protection)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Allis-Chalmers Mfg. Co. (Underwriters'), Milwaukee, Wis.
See adv index at end of book
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Brown E. C. Co., Rochester, N. Y.
Byron Jackson Iron Works, Sharon bldg, San Francisco, Calif.
Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
See adv index at end of book
DEMING CO., Salem, O.
See adv index at end of book
ECONOMY PUMPING MACHY CO., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foamite-Childs Corporation, 101 Turner Utica, N. Y.
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn.
Quimby Wm. E. Inc., 209 Parkhurst, Newark, N. J.
Yeomans Bros. Co., 1436 Dayton, Chicago, Ill. ***See adv index at end of book***

11851—Pumps (Foam Fire-Fighting)

Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
NATIONAL TRANSIT PUMP & MACHINE CO., Oil City, Pa.
See adv index at end of book
Northern Fire Apparatus Co., 2422 Univ. av S E, Minneapolis, Minn.
Union Steam Pump Co., Battle Creek, Mich.

11851a—Pumps for Chemical Solutions

Aldrich Pump Co., foot of Pine, Allentown, Pa.
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Chemical Equipment Co., 2457 S Western av, Chicago, Ill.
Chemical Pump & Valve Co., The (Pumps & Valves Made of All Kinds of Acid Resisting Material), 327 Gifford, Perth Amboy, N. J.
ECONOMY PUMPING MACHY. CO., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Lummus Walter E. Co. ("Metrolift" Automatic), 171 Milk, Boston, Mass.
Union Steam Pump Co., Battle Creek, Mich.
Yeomans Bros. Co., 1436 Dayton, Chicago, Ill. ***See adv index at end of book***

11852—Pumps for Gasoline Lighting Systems

Dean Bros. Steam Pump Works, 327 W 10th. Indianapolis, Ind.
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Leader-Trahern Co., 707 S Main, Rockford, Ill.

11853—Pumps (Force, Horizontal)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Barnes Mfg. Co., 700H N Main, Mansfield O.
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Humphryes Mfg. Co. ("Monitor" Belt Power & Direct Connected), Mansfield, Ohio

11854—Pumps (Force & Lift)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Althouse-Wheeler Co. (Hand Force), Waupun, Wis.
American Steam Pump Co., Battle Creek, Mich.
American Well Works (Power), Aurora, Ill.
Athol Pump Co., Athol, Mass.
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Baker Mfg. Co., Evansville, Wis.
Barnes Mfg. Co., Mansfield, O.
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Beckman Bros. ("B-B"), Des Moines, Ia.
Blymyer Iron Works Co. ("Crown," "Star" Hand & Power Double Acting), Cincinnati, O.
Bushnell Pump Co. (Iron, also House & Air Pressure Force Pumps), Bushnell, Ill.
Carpenter & Co. Geo. B., 434 N Wells, Chicago, Ill.
See adv index at end of book
Coleman Allan J. ("Improved Suction"), 208 N Wabash av, Chicago, Ill.
Columbiana Pump Co., Columbiana, O.
Davis-Hansen Co. (Windmill), Oshkosh, Wis.
Decatur Pump & Mfg. Co., Decatur, Ill.
DEMING CO., Salem, O.
See adv index at end of book
Domestic Engine & Pump Co., Dept. H, Shippensburg, Pa.
Douglas W. & B. (("Hector" Long Fulcrum), Middletown, Conn.
Du Bois Iron Works, Du Bois, Pa.
Duplex Mfg. Co., Superior, Wis.
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Edson Mfg. Co. ("Edson"), 257 Atlantic av, Boston, Mass.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Flint & Walling Mfg. Co. ("Hoosier"), Kendallville, Ind.
Fort Wayne Engineering & Mfg. Co., Fort Wayne, Ind.
Garrison Brass & Machine Works, 107 W 13th, New York
Gould Mfg. Co., 71 W Fall, Seneca Falls, N. Y. ***See adv index at end of book***
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Hayes Pump & Planter Co. (House Windmill, etc), Galva, Ill.
Hess-Snyder Co. ("Novelty"), Massillon, O.
Humphryes Mfg. Co., Mansfield, O.
Ives Mfg. Co. (Electric), 203 Hanover, Baltimore, Md.
Kennedy J. E. ("Little Giant" Household for Cleaning Waste Pipes, etc), 30 E 42d, New York
Klotz Machine Co. ("Waldkircher's" Oscillating Force Pumps), Sandusky, O.
Laughlin Thos. Co. ("Wurkeze"), 135 Fore, Portland, Me.
See adv index at end of book
Lobee Pump & Machinery Co., East Buffalo, N. Y.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
Mast-Foos & Co. ("Buckeye"), Springfield, Ohio.
Midwest Engine Co., Indianapolis, Ind.
MYERS F. E. & BRO. CO. ("Myers" Submerged Cylinder, Branch Pipe "Gusper" Cog Gear, "Ashland" Ratchet Handle, Tubular Well, "Imperial" Siphon House Force "New Century," Low Down & "Faultless" Bulldozer "Defiance"), 950 Orange, Ashland, O.
See adv index at end of book
Newark Brass Works ("Lawless," Force for Water Mains), 22 Lawrence, Newark, N. J.
Novo Engine Co. ("Novo"), Lansing, Mich.
Penna. Furnace & Iron Co. (Plumbers' Force), 373 Pine, Warren, Pa.
See adv index at end of book
Peters Pump Co., Kewanee, Ill.
Pittsburgh Pump Co., 20 Fancourt, Pittsburgh, Pa.
Powell Wm. Co. ("Speedy" & "Rapid"), 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Red Cross Mfg. Co., Bluffton, Ind.
Red Jacket Mfg. Co. ("Red Jacket" Single & Double Acting, "So-Easy-To-Fix" "Never Fail"), East 3rd, Davenport, Ia.
Roberts Geo. J. Co. ("Gem"), Dayton, O.
Rumsey Pump Co. (Ltd.), Box J, Seneca Falls, N. Y.
See adv index at end of book
San Diego Machine Co., San Diego, Cal.
Trahern Pump Co (Iron Hand & Windmill Force, etc.), Rockford, Ill.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Ward-Love Pump Corp. ("Warlo," Iron Hand & Windmill Force, etc.), 716 Race, Rockford, Ill.
Wilder, Sidney & Co., Holliston, Mass.
Wistrand Mfg. Co. ("Blue Star," Well, House & Windmill), Galva, Ill.
Yeomans Bros. Co., 1436 Dayton, Chicago, Ill. ***See adv index at end of book***

11855— Pumps (Fuel Oil)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Aldrich Pump Co., foot of Pine, Allentown, Pa.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Barnes Mfg. Co., 700H N Main, Mansfield, O.
Beach-Russ Co., 38 Church, New York
See adv index at end of book
California Pump & Machine Corp., 2668 Long Beach av, Los Angeles, Cal.
Chicago Pump Co., 2342 Wolfram, Chicago, Ill.
Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
See adv index at end of book
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
DEMING CO., Salem, O.
See adv index at end of book
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
McGowan John H. Co., 2nd & Central av, Cincinnati, O.
NATIONAL TRANSIT PUMP & MACHINE CO., Oil City, Pa.
See adv index at end of book
Northern Fire Apparatus Co., 2422 Univ. av S E, Minneapolis, Minn.
Penna. Pump & Compressor Co., Easton, Pa.
See adv index at end of book
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Quimby Wm. E., Inc., 209 Parkhurst, Newark, N. J.
Tate-Jones & Co. Inc., Pittsburgh, Pa.
Trahern Pump Co. (Rotary), Rockford, Ill.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Union Steam Pump Co., Battle Creek, Mich.
Vogt Bros. Mfg. Co., Louisville, Ky.
Worthington Pump & Machy. Corp., 115 Broadway, New York
Yeomans Bros. Co., 1436 Dayton, Chicago, Ill. ***See adv index at end of book***

11856—Pumps (Galvanized Steel)

Chemical Equipment Co., 2457 S Western av, Chicago, Ill.

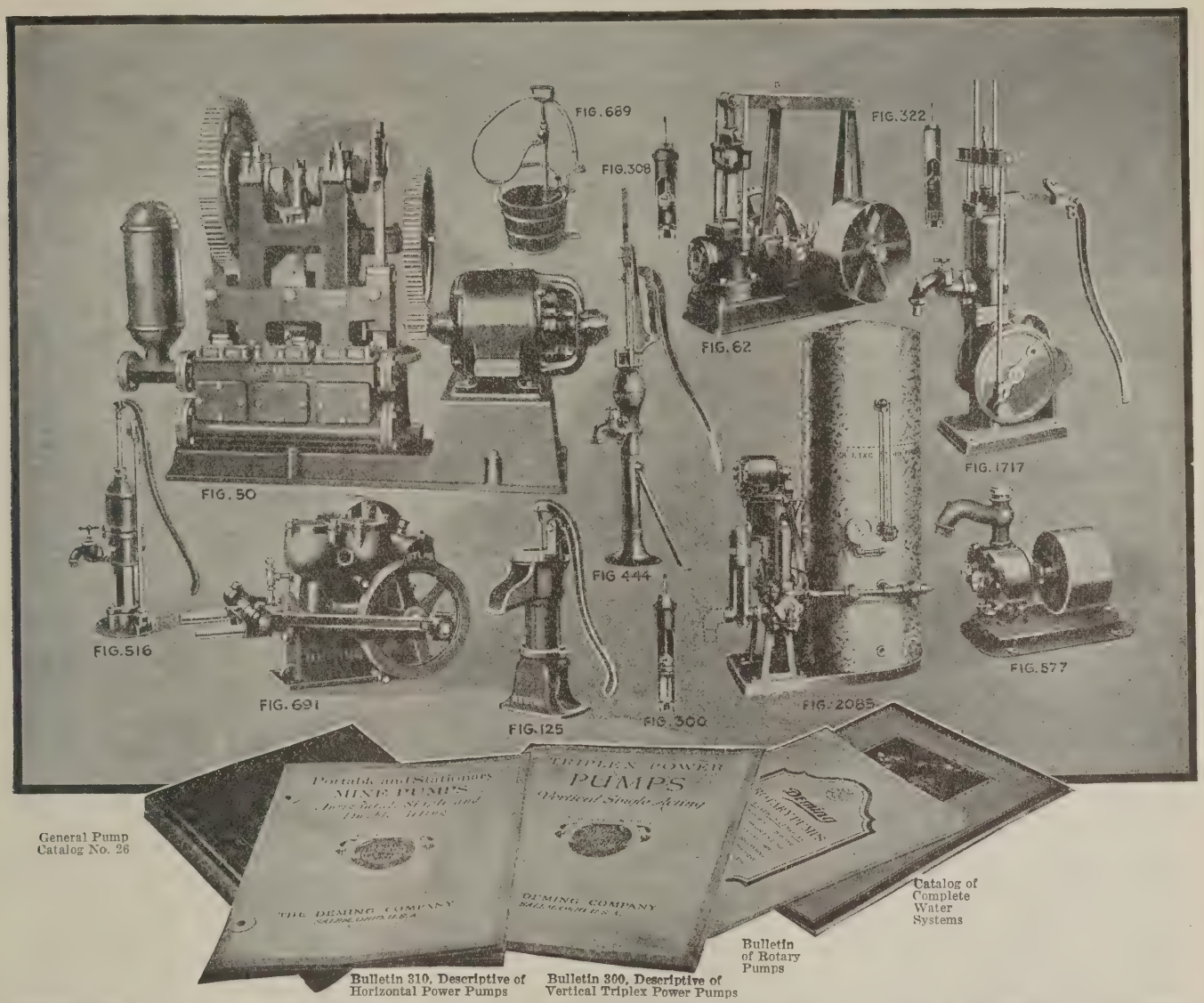
11857—Pumps (Gas Compressing)

See also Pumps, Gas Main Force
Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Allen & Billmyre Co. Inc. (Multi-Stage Centrifugal Blowers), Grand Central Palace, New York
See adv index at end of book
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Beach-Russ Co., 38 Church, New York
See adv index at end of book

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BEACH-RUSS COMPANY
38 Church Street New York City

Combination Engine & Compressor Co., Bradford, Pa.
CROWELL MFG. CO. ("Crowell" Rotary), 321 Franklin av, Brooklyn, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
Lipman Refrigerator Car & Mfg. Co., Beloit, Wis.
Nash Engineering Co. ("Nash," Hydro-Turbine), South Norwalk, Conn.

(*Continued on page* 1772)



General Pump Catalog No. 26

Catalog of Complete Water Systems

Bulletin of Rotary Pumps

Bulletin 310, Descriptive of Horizontal Power Pumps

Bulletin 300, Descriptive of Vertical Triplex Power Pumps

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DETROIT, MICH.	Kerr Machinery Corp.
DENVER, COLO.	Hendrie & Bolthoff Mfg. & Supply Co.
KANSAS CITY, MO.	English Tool & Supply Co.
LOUISVILLE, KY.	Laib Co.
MINNEAPOLIS, MINN.	Central Supply Co.
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PHILADELPHIA, PA.	W. P. Dallet Co.
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RICHMOND, VA.	Syndor Pump & Well Co.
SAN FRANCISCO, CAL.	Crane Co.

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HAND AND POWER PUMPS FOR ALL USES

Pumps (Gas Compressing)—Cont.

National Fdry & Mach. Co., Louisville, Ky.
National Transit Pump & Machine Co., Oil City, Pa. *See adv index at end of book*
Roots P. H. & F. M. Co., Connersville, Ind.
Superior Gas Engine Co., Springfield, O.

11858—Pumps (Gas Engine Cooling)

Barnes Mfg. Co., 700H N Main, Mansfield, O.
DEMING CO., Salem, O.
See adv index at end of book
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
McGowan John H. Co., 2nd & Central av, Cincinnati, O.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
See adv index at end of book

11859—Pumps (Gas Engine Driven)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Barnes Mfg. Co., 700H N Maine, Mansfield, Ohio
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Gardner Governor Co., 23 Williams, Quincy, Ill.
McGowan John H. Co., 2nd & Central av, Cincinnati, O.
Menge Pump & Machy. Co. (Jobbers), 826 Tchupitoulas, New Orleans, La.
National Transit Pump & Machine Co., Oil City, Pa. *See adv index at end of book*
Northern Fire Apparatus Co., 2422 Univ. av S E, Minneapolis, Minn.
Novo Engine Co. ("Novo"), Lansing, Mich.
Pelton Water Wheel Co., Dept. H, 19th & Harrison, San Francisco, Cal.
Platt Iron Works, Dayton, Ohio
See adv index at end of book
San Diego Machine Co., San Diego, Cal.
Schramm Inc., West Chester, Pa.
Standard Pump & Engine Co., Akron, O.
Traylor Engng. & Mfg. Co., Allentown, Pa.
Union Steam Pump Co., Battle Creek, Mich.
Yeomans Bros. Co., 1436 Dayton, Chicago, Ill. *See adv index at end of book*

11860—Pumps (Gas Engine Starting)

Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
CALDWELL E. R. & CO., Bradford, Pa.
See adv index at end of book
DEMING CO., Salem, O.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Gardner Governor Co., 23 Williams, Quincy, Ill.
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Midwest Engine Co., Indianapolis, Ind.
Union Steam Pump Co., Battle Creek, Mich.

11861—Pumps (Gas Fitters' Proving)

Boekel Wm. & Co., 518 Vine, Phila., Pa.
DEMING CO., Salem, O.
See adv index at end of book

11862-3—Pumps (Gas Main, Force)

Abbe Paul O. Inc. ("Abbebilt"), 924 Johnston bldg, New York
See adv index at end of book
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Bernz Otto, 17-37 Ashland, Newark, N. J.
Garrison Brass & Machine Wks., 107 W 13th, New York
Humphrey Gas Pump Co., 401 S. A. & K. bldg, Syracuse, N. Y.
Simmons John Co., 110 Centre, New York
See adv index at end of book

11864— Pumps (Gasoline)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
York *See adv index at end of book*
Acme Pump & Tank Co. (Self-Measuring), 19 W 44th, New York
Am. Tank & Pump Co., 404 Golden Gate, San Francisco, Cal.
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Barnes Mfg. Co., Mansfield, O.
BEACH-RUSS CO., 38 Church, New York
See adv index at end of book
Blackmer Rotary Pump Co., Petoskey, Mich.
Bowser S. F. & Co. ("Red Sentry," "Chief Sentry," "Pacemaker"), Fort Wayne, Ind.
Boyle-Dayton Co. (Measuring), 52nd & Sante Fe, Los Angeles, Cal.
Butler Mfg. Co., 1228 Eastern av, Kansas City, Mo.
Channon Jas. H. Mfg. Co. (For Auto Garage), 227 W Erie, Chicago, Ill.
Clear Vision Pump Co., Wichita, Kan.
Columbian Steel Co., 1625 W 12th, Kansas City, Mo.
Connersville Blower Co., Dept. H, Connersville, Ind.
Davis-Hansen Co., Oshkosh, Wis.
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
Dayton Pump & Mfg. Co., Dayton, O.
DEMING CO., Salem, O.
See adv index at end of book
Domestic Engine & Pump Co., Shippinsburg, Pa.
Douglas W. & B., Middletown, Conn.
E. A. B. Mfg. Co., 582 Market, San Francisco, Cal.
Eastern Oil Tank Co. ("Leader," Self-Measuring for Garages), Lowell, Mass.
Edson Mfg. Corp. ("Edson"), 375 H Broadway, Boston, Mass.
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Erwin & Co., 3736 Cottage Grove av, Chicago, Ill.
F. A. B. Mfg. Co., 1856 7th, Oakland, Cal.
Farr Hydraulic Systems Inc., 111 B'way, New York
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Field & Shorb Co. ("F. & S. Ideal"), Decatur, Ill.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
Gilbert & Barker Mfg. Co. ("Gilbert & Barker" Self & Non-Measuring), Springfield, Mass.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Groetken Pump Co., 177 S River, Aurora, Ill.
Guarantee Liquid Measure Co., Union Arcade, Rochester, Pa.
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Hayes Pump & Planter Co. ("Hayes" House Windmill, etc.), Galva, Ill.
Joy Mfg. Co., Inc. (Self Measuring, Air Lift), 545 Pico, Long Beach, Cal.
Keesee Mfg. Co., Inc. ("Keesee Visible"), 731 W Belgrave av, Huntington Park, Cal.
Kewanee Private Utilities Co. (For Pumping Water Supply), West Side, Kewanee, Ill.
Keystone Iron & Steel Wks. ("Keystone" Visible Vendor), 37th & Santa Fe av, Los Angeles, Cal.
Kraft A. C. ("Bools," "Coco," "Gross," "Heft," "Stuhl" & "Walker"), 159 W Lake, Chicago, Ill.
Leader Iron Wks. ("Leader"), Decatur, Ill.
Lipman Refrigerator Car & Mfg. Co. (Hand), Beloit, Wis.
Milwaukee Tank Wks. (Gasoline & Oil Portable Measuring), Fratney & Becker, Milwaukee, Wis.
National Recording Pump Co., Penn. av, Dayton, O.
Novo Engine Co. ("Novo" Direct Connected), Lansing, Mich.
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Quimby Wm. E., Inc. 209 Parkhurst, Newark, N. J.
Roberts Geo. J. Co. ("Gem"), Dayton, O.
Tokheim Oil Tank & Pump Co., Ft. Wayne Ind.
Trahern Pump Co. (Hand Rotary), Rockford, Ill.
Trimount Rotary Power Co. ("Trimount" Rotary Hand), 286 Whiting av, Boston, Mass.
Vonde's Visible Pump Co., 2248 E 37th, Los Angeles, Cal.
Ward-Love Pump Corp., 716 Race, Rockford, Ill.
Yeomans Bros. Co., 1436 Dayton, Chicago, Ill. *See adv index at end of book*

Pumps (Gauge Testing)

See Gauge Testing Apparatus

11865— Pumps (Geared)

Aldrich Pump Co., foot of Pine, Allentown, Pa.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Steam Pump Co., Battle Creek, Mich.
Barnes Mfg. Co., 700H N Main, Mansfield, O.
Boyts, Porter Co., Dept. H, Connellsville, Pa.
DUNNING & BOSCHERT PRESS CO., INC., 379 W Water, Syracuse, N. Y.
See adv index at end of book
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Gardner Governor Co., 23 Williams, Quincy, Ill.
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Leader-Trahern Co. ("Trahern"), Rockford, Ill.
Lipman Refrigerator Car & Mfg. Co., Beloit, Wis.
McGowan John H. Co., 2nd & Central av, Cincinnati, O.
Midwest Engine Co., Indianapolis, Ind.
Myers F. E. & Bro. Co. ("Bulldozer"), 950 Orange, Ashland, O.
See adv index at end of book
National Transit Pump & Machine Co., Oil City, Pa. *See adv index at end of book*
Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn.
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Union Steam Pump Co., Battle Creek, Mich.
Viking Pump Co., Cedar Falls, Ia.

11866—Pumps (Geared, Oil or Water)

For Milling Gear & Chucking Machines, etc
Abbe Paul Co. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Barnes Mfg. Co., 700H N Main, Mansfield, O.
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Boyts, Porter & Co., Dept. H, Connellsville, Pa.
Brown & Sharpe Mfg. Co. (For Oil Supply, to Cutting Tools on Lathes, Screw Machines, etc), Providence, R. I.
Cincinnati Lubricant Pump Co., Blanchester, O.
DEMING CO., Salem, O.
See adv index at end of book
Doehler Die Casting Co., Court & 9th, Brooklyn, N. Y.
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
Gardner Governor Co., 23 Williams, Quincy, Ill.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Hopedale Mfg. Co., Roper Dept. ("Roco"), Milford, Mass.
KEYSTONE DRILLER CO. ("Downie"), Beaver Falls, Pa.
See adv index at end of book
Lipman Refrigerator Car & Mfg. Co., Beloit, Wis.
McGowan John H. Co., 2nd & Central av, Cincinnati, O.
Matson Machine Co., Concord, N. H.
Myers F. E. & Bro. Co., 950 Orange, Ashland, O.
See adv index at end of book
Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn.
Oberdorfer M. L. Brass Co., 810 E Water, Syracuse, N. Y.
Quimby Wm. E., Inc., 209 Parkhurst, Newark, N. J.
Ward-Love Pump Corp., 716 Race, Rockford, Ill.

11866a—Pumps (General Service)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Bethlehem Shipbuilding Corp., Ltd., Dept. H, Broadhead & Parker av, Bethlehem, Pa.
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
PLATT IRON WORKS, Dayton, Ohio
See adv index at end of book
Quimby Wm. E., Inc., 209 Parkhurst, Newark, N. J.
Union Steam Pump Co., Battle Creek, Mich.
Yeomans Bros. Co., 1436 Dayton, Chicago, Ill. *See adv index at end of book*

11867—Pumps (Ham Preserving)

Silver Mfg. Co., No. 256, Salem, O.

11868— Pumps (Hand)

Barnes Mfg. Co., 700H N Main, Mansfield, O.

Beach-Russ Co., 38 Church, New York
See adv index at end of book



Barrel and Hand Pumps
Reversible can be used for Filling or Emptying Barrels, 10 gallons per Min. at 75 R.P.M.
BEACH-RUSS COMPANY
38 Church St., N. Y. City

Bowser S. F. & Co., Ft. Wayne, Ind.
Buffalo Steam Pump Co., Buffalo, N. Y.
Butler Co., Butler, Ind.
Cardwell Machine Co, 1900 E Cary, Richmond, Va.
Cedar Rapids Pump Co., Cedar Rapids, Ia.
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Decatur Pump & Mfg. Co., Decatur, Ill.
DEMING CO., Salem, O.
See adv index at end of book
Detroit Lubricator Co. ("Detroit" Genuine Detroit), 5938 Trumbull, Detroit, Mich.
Domestic Engine & Pump Co., Dept. H, Shippensburg, Pa.
Edson Mfg. Corp. ("Edson"), 375 Broadway, Boston, Mass.
Fairbanks Morse & Co. ("Eclipse"), 900 S Wabash av, Chicago, Ill.
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Flint & Walling Mfg. Co., Kendallville, Ind.
Garrott W. T. & Co. ("Garrott," Horizontal), 299 Fremont, San Francisco, Cal.
GOULDS MFG. CO., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Hayes Pump & Planter Co. ("Hayes"), Galva, Ill.
Henion & Hubbell, 219 Jefferson, Chicago, Ill.
Hills-McCanna Co. (Marine Oil), 2025 Elston av, Chicago, Ill.
Humphryes Mfg. Co., Mansfield, O.
Kewanee Private Utilities Co., West Side, Kewanee, Ill.
Lobee Pump & Machinery Co., East Buffalo, N. Y.
LUNKENHEIMER CO. ("Alpha," "Universal"). Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Lunt Moss Co., 43 S Market, Boston, Mass.
Milwaukee Tank Wks. (Gasoline & Oil), Fratney & Becker, Milwaukee, Wis.
Myers F. E. & Bro. Co. ("Myers" & "Ashland" Cog Gear), 950 Orange, Ashland, O.
See adv index at end of book
National Marine Lamp Co., Forestville, Conn.
Pacific Pump & Supply Co. (Jobbers), San Francisco, Cal.
Peters Pump Co. ("Peters"), Kewanee, Ill.
Rich Pump Co., South & Depot, Cincinnati, O.
Sherwood Mfg. Co., 1709 Elmwood, Buffalo, N. Y.
Trahern Pump Co. (& Hand Force), Rockford, Ill.
Trimount Rotary Power Co. ("Trimount" Rotary), 286 Whiting av, Boston, Mass.
U. S. Wind & Engine Pump Co., Water, Batavia, Ill.
Ward-Love Pump Corp. (Force), 716 Race, Rockford, Ill.
WATSON-STILLMAN CO., 38 Church, New York *See adv index at end of book*
Wilkinson W. H. Co. Inc., (Oil), West Medway, Mass.

11869—Pumps (High Pressure, Oil)

Aldrich Pump Co., foot of Pine, Allentown, Pa.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Engineering Co. ("Hele-Shaw"), Aramingo & Cumberland, Phil., Pa.
American Well Works, The, 110 N Broadway, Aurora, Ill.
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Hydraulic Press Mfg. Co. ("H. P. M." Hydraulic), 24 Lincoln av, Mt. Gilead, Ohio *See adv index at end of book*
McGowan John H. Co., 2nd & Central av, Cincinnati, O.
NATIONAL TRANSIT PUMP & MACHINE CO., Oil City, Pa.
See adv index at end of book
Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn.
Quimby Wm. E., Inc., 209 Parkhurst, Newark, N. J.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Union Steam Pump Co., Battle Creek, Mich.

11869a—Pumps (High Service)

Aldrich Pump Co., foot of Pine, Allentown, Pa.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.

11870—Pumps (High Vacuum, for Packing Houses)

Allen & Billmyre Co. Inc., Grand Central Palace, New York
See adv index at end of book
Beach-Russ Co., 38 Church, New York
See adv index at end of book



HIGH VACUUM PUMPS
Guaranteed Vacuum 1/10" (2½ M.M.) of Barometer
Capacities 6 to 1000 cu. ft. per minute
Silent in operation
Simple in construction
BEACH-RUSS COMPANY
38 Church Street New York City

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
CROWELL MFG. CO. ("Crowell" Rotary), 321 Franklin av, Brooklyn, N. Y.
See adv index at end of book
Pennsylvania Pump & Compressor Co., Easton, Pa.
See adv index at end of book
Union Steam Pump Co., Battle Creek, Mich.

Pumps (Hot Air)

See Engines, Pumping, Hot Aair

11871— Pumps (Hot Well)

Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*
Nash Engineering Co. ("Nash" Hydro-Turbine), South Norwalk, Conn.
Union Steam Pump Co., Battle Creek, Mich.

11872— Pumps (Household)

Abbe Paul O. Inc., 71A Murray, New York
See adv index at end of book
American Well Works, Aurora, Ill.
Aurora Pump & Mfg. Co., Aurora, Ill.
Barnes Mfg. Co., 700H N Main, Mansfield, O.
Centrifugal Pump Co., 455 Canal, New York
Chicago Pump Co., 2342 Wolfram, Chicago, Ill.
Decatur Pump & Mfg. Co. (Elect. & Gasoline), Decatur, Ill.
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Fort Wayne Engng. & Mfg. Co., Fort Wayne, Ind.
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Hayes Pump & Planter Co. ("Hayes"), Galva, Ill.
Jarvis Engine & Machine Wks., Lansing, Mich.
Kennedy J. E. ("Little Giant" Lift & Force for Cleaning Waste Pipes, etc), 30 E 42d, New York
Midwest Engine Co., Indianapolis, Ind
Monarch Engineering Co., 230 E First, Dayton, O.
MYERS F. E. & BRO. CO. ("Myers" Cog Gear), 950 Orange, Ashland, O.
See adv index at end of book
Rider-Ericsson Engine Co., 20 Murray, New York
Roberts Geo. J. Co. ("Gem"), Dayton, O.
Standard Pump & Engine Co, Akron, O.
Valle-Kimes Co., Dayton, O.
Viking Pump Co., Cedar Falls, Ia.
Weinman Pump Mfg. Co., 300 Spruce, Columbus, O.
Yeomans Bros. Co., 1436 Dayton, Chicago, Ill. *See adv index at end of book*

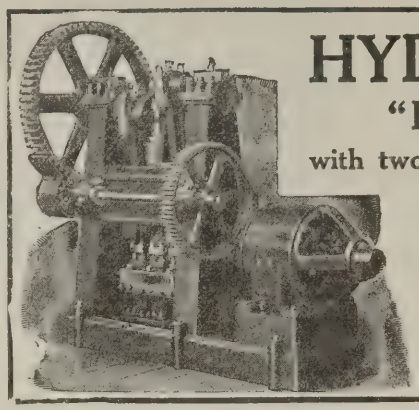
11873—Pumps (House Tank)

Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Barnes Mfg. Co., 700H N Main, Mansfield, O.
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
Economy Pumping Machy Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Hayes Pump & Planter Co. ("Hayes"), Galva, Ill.
McGowan John H. Co., 2nd & Central av, Cincinnati, O.
Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn.
Union Steam Pump Co., Battle Creek, Mich.
Yeomans Bros. Co., 1436 Dayton, Chicago, Ill. *See adv index at end of book*

11874-5—Pumps (Hydraulic)

Adamson Machine Co., Akron, O.
Aldrich Pump Co., foot of Pine, Allentown, Pa.
Allis-Chalmers Mfg. Co. (Municipal, Industrial or Private Water Supply, Hydraulic, Pressure, etc), Milwaukee, Wis.
See adv index at end of book
American Engineering Co. ("Hele-Shaw"), Aramingo & Cumberland, Phila., Pa.
American Well Works, The, 110 N Broadway, Aurora, Ill.
American Steam Pump Co., Battle Creek, Mich.
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Bethlehem Steel Co., South Bethlehem, Pa.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Bishop & Babcock Co. ("B & B" Vacuum for Heating Systems), 1204 E 55th, Cleveland, O.
Blake Pump & Condenser Co., Fitchburg, Mass.
Blakeslee Mfg. Co., Du Quoin, Ill.
Boyts Porter & Co., Connellsville, Pa.
Buckeye Iron & Brass Works, Dayton, O.
Buffalo Steam Pump Co., Buffalo, N. Y.
Byron Jackson Iron Works, Sharon bldg, San Francisco, Calif.
CALDWELL E. R. & CO. (Up to 200 Tons), Bradford, Pa.
See adv index at end of book
Cardwell Machine Co. (For Oil Mills) 1900 E Cary, Richmond, Va.
Chambersburg Engineering Co. (Pressure, Steam or Motor Driven), Chambersburg, Pa.
Davidson & Kennedy Co., 872 N Ashley, Atlanta, Ga.
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
Defiance Machine Works (Double Plunger), Defiance, O.
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
Douglas W. & B. (up to 300 lbs. pressure), Middletown, Conn.
Dow Pump & Diesel Engine Co., Dept. H, Alameda, Cal.
Dudgeon Richard, 24 Columbia, New York

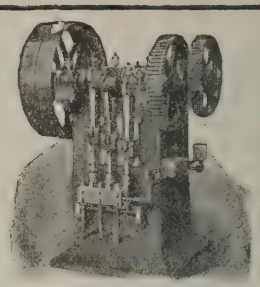
(Continued on following page)



HYDRAULIC PUMPS
"BUILT FOR SERVICE"

with two, three, four or six plungers, belt driven or direct motor driven—any size, and for any pressure; also Hydraulic Presses, Accumulators, Valves, Fittings, Etc.

Ask us to tell you more about them



DUNNING & BOSCHERT PRESS CO., INC.

379 West Water St. *Established 1872* SYRACUSE, N. Y.

Pumps (Hydraulic)—Continued

DUNNING & BOSCHERT PRESS CO INC., 379 W Water, Syracuse, N. Y.
See adv index at end of book

ELLICOTT MACHINE CORP. (Dredging), 1111 Bush, Baltimore, Md.
See adv index at end of book

Elmes Chas. F. Engng. Wks. (Belt, Chain or Steam Driven), Fulton & Sangamon, Chicago, Ill.
See adv index at end of book

Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book

Erwin & Co., 3736 Cottage Grove av, Chicago, Ill.

Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill

Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.

Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn.
See adv index at end of book

Federal Brass Works, 3100 S Kedzie, Chicago, Ill.

Foster Pump Works, Inc., 37 Bridge Brooklyn, N. Y.

French Oil Mill Machinery Co., Piqua, O.

Fulton Iron Works Co., 1259 Delaware av, St. Louis, Mo.

Galland-Henning Mfg. Co., 26th av & Montana, Milwaukee, Wis.
See adv index at end of book

HYDRAULIC PUMPS
High Pressure
Vertical—Horizontal—Triplex
Single and Double Pressure
GALLAND-HENNING MFG. CO.
Montana and 26th Ave., Milwaukee, Wis.

Gardner Governor Co., 23 Williams, Quincy, Ill.

Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*

Hall Steam Pump Co. ("Hall"), 213 Galveston, Pittsburgh, Pa.

Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book

Hayton Pump & Blower Co., Appleton, Wis.

Henderer's A. L. Sons, Wilmington, Del.

Holyoke Machine Co. ("Hercules), Holyoke, Mass.

Hydraulic Engng. Works, 708 Fulton, Chicago, Ill.

HYDRAULIC PRESS MFG. CO. ("H. P. M." Hydraulic), 24 Lincoln av, Mt. Gilead, O. *See adv index at end of book*

H-P-M HIGH PRESSURE HYDRAULIC PUMPS
Hand, Belt, Motor or Steam Driven
HYDRAULIC PRESS MFG. CO.
24 Lincoln Avenue Mount Gilead, Ohio

Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*

Jenkins Machine Co. (For Operating Bending Presses), Sheboygan, Wis.

Jennings Pump & Dredge Co., 180 Dearborn, Chicago, Ill.

Johnston Pump Co., 407 E 3rd, Los Angeles, Cal.

Kilby Mfg. Co., 4623 Lakeside av, Cleveland, O.

LAWRENCE MACHINE CO. ("Lawrence" Centrifugal), 42 Market, South Lawrence, Mass. *See adv index at end of book*

Layne & Bowler Corp., 900 Santa Fe av, Los Angeles, Cal.

Logemann Bros. Co. **("Logemann" High Pressure, Triple Compound), 3130 Burleigh, Milwaukee, Wis.**

LOURIE HYDRAULIC PRESS CO., Springfield, Ill.
See adv index at end of book

McGowan John H. Co., 2nd & Central av, Cincinnati, Ohio

Metalwood Mfg. Co., Lieb & Wight, Detroit, Mich.

Midwest Engine Co., Indianapolis, Ind.

Morris Machine Works, Baldwinsville, New York

National Foundry & Machine Co., Louisville, Ky.

National Gauge Co., 300 Pacific, Brooklyn, N. Y.

National Steam Pump Co., Upper Sandusky, O.

National Transit Pump & Machine Co., Oil City, Pa. *See adv index at end of book*

Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn.

Oilgear Co. (Variable Delivery), 655-667 Park, Milwaukee, Wis.

Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.

Peerless Pump Co. ("Peerless"), 826 Santa Fe av, Los Angeles, Cal.

Penna. Pump & Compressor Co., Easton, Pa.
See adv index at end of book

Perrin W. R. & Co., 343 S Dearborn, Chicago, Ill.

Platt Iron Works, Dayton, Ohio
See adv index at end of book

Price G. W. Pump & Engine Co., 1350 Folsom, San Francisco, Cal.

Quimby Wm E., Inc., 209 Parkhurst, Newark, N. J.

Riehle Bros. Testing Machine Co., 1424 N 9th, Phila., Pa.

Roberts Geo. J. Co. ("Gem") Dayton, O.

Robertson Jno. & Co., 133 Water, Brooklyn, N. Y.

RUMSEY PUMP CO., LTD., P. O. Box J, Seneca Falls, N. Y.
See adv index at end of book

Schramm, Inc., West Chester, Pa.

Southwark Foundry & Machine Co. (For Various Purposes), 1128 S. 4th, Phila., Pa. *See adv index at end of book*

Thomas Albright Co., Dept. H, Goshen, Ind.

Tranter Mfg. Co. ("McFeely" & "Sheriff"), 105 Water, Pittsburgh, Pa.

Union Steam Pump Co., Battle Creek, Mich.

Vogt Bros. Mfg. Co., Louisville, Ky.

Wagener Steam Pump Co., Canton, O.

Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

WATSON-STILLMAN CO., 38 Church, New York *See adv index at end of book*

Weir & Craig Mfg. Co., 6316 Wentworth av, Chicago, Ill.

Westbrook Elevator Mfg. Co., Danville, Va.

Wilson-Snyder Mfg. Co., 1st & Talbot, Braddock, Pa.

Wood R. D. & Co., 400 Chestnut, Phila., Pa.

Wood Wm. H. Media, Pa.

Pumps (Hydraulic Dredging)
See Pumps, Sand & Dredging

11876—Pumps (Hydraulic, Elevator Service)

Aldrich Pump Co., foot of Pine, Allentown, Pa.

Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book

Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book

De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.

DEMING CO., Salem, O.
See adv index at end of book

Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book

Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.

Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book

Hayton Pump & Blower Co., Appleton, Wis.

Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*

McGowan John H. Co., 2nd & Central av, Cincinnati, Ohio

Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn.

Pennsylvania Pump & Compressor Co., Easton, Pa.
See adv index at end of book

Platt Iron Works, Dayton, Ohio
See adv index at end of book

Price G. W. Pump & Engine Co., 1350 Folsom, San Francisco, Cal.

Quimby Wm E., Inc., 209 Parkhurst, Newark, N. J.

Traylor Engineering & Manufacturing Co., Allentown, Pa.

Union Steam Pump Co., Battle Creek, Mich.

Worthington Pump & Machy. Corp., 115 Broadway, New York

11876a—Pumps (Hydraulic-Pneumatic

Barnes Mfg. Co., 700H N Main, Mansfield, O.

Davis-Hansen Co., Oshkosh, Wis.

Decatur Pump & Mfg. Co., Decatur, Ill.

DEMING CO., Salem, O.
See adv index at end of book

11877—Pumps (Hydraulic Pressure)

Aldrich Pump Co., foot of Pine, Allentown, Pa.

Allis-Chelmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book

American Engineering Co. ("Hele-Shaw"), Aramingo & Cumberland, Phila., Pa.

American Steam Pump Co., Battle Creek, Mich.

Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book

Cardwell Machine Co., 1900 E Cary, Richmond, Va.

Dayton Dowd Co. ("Dayton Dowd"), Quincy, Ill.
See adv index at end of book

De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book

DEMING CO., Salem, O.
See adv index at end of book

DUNNING & BOSCHERT PRESS CO. INC., 379 W Water, Syracuse, N. Y.
See adv index at end of book

Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book

Fairbanks Morse & Co., 900 S Wabash av, Chicago, Ill.

Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.

French Oil Mill Machinery Co., Piqua, O.

Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book

Hayton Pump & Blower Co., Appleton, Wis.

Hydraulic Press Mfg. Co. ("H. P. M."), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book

Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*

LOURIE HYDRAULIC PRESS CO., Springfield, Ill.
See adv index at end of book
McGowan John H. Co., 2nd & Central av, Cincinnati, Ohio
Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn.
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Price G. W. Pump & Engine Co., 1350 Folsom, San Francisco, Cal.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Union Steam Pump Co., Battle Creek, Mich.
Worthington Pump & Machy. Corp., 115 Broadway, New York

11878-9-80-1—Pumps (Hydraulic) Proving)

DEMING CO., Salem, O.
See adv index at end of book
Goulds Mfg. Co. 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Lourie Hydraulic Press Co., Springfield, Ill. *See adv index at end of book*
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Union Steam Pump Co., Battle Creek, Mich.

11882— Pumps (Injection)

Bingham Pump Co. ("Bingham"), 481 Hawthorne av, Portland, Ore.
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
Hayes Pump & Planter Co. ("Hayes"), Galva, Ill.

11883— Pumps (Irrigating)

Acme Pump Co. ("Acme"), H52nd & Santa Fe av, Los Angeles, Calif.
Aermotor Co., 2500 W. Roosevelt rd, Chicago, Ill.
Aldrich Pump Co., foot of Pine, Allentown, Pa.
Allis Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Well Works, The, 110 N Broadway, Aurora, Ill.
AURORA PUMP & MFG. CO., Aurora, Ill.
See adv index at end of book
Barnes Mfg. Co., Mansfield, O.
Barnes & Fisher Mfg. Co., 2931 First av. S, Seattle, Wash.
Blakeslee Mfg. Co., Du Quoin, Ill.
Buffalo Steam Pump Co., Buffalo, N. Y.
Byron Jackson Iron Works, Sharon bldg, San Francisco, Calif.
California Pump & Machine Corp., 2668 Long Beach av, Los Angeles, Cal.
Challenge Co., Batavia, Ill.
Charter Gas Engine Co., Sterling, Ill.
Chicago Pump Co., 2342 Wolfram, Chicago, Ill.
Cooper R. J. ("Hart"), Monadnock bldg, San Francisco, Cal.
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
DEMING CO., Salem, O.
See adv index at end of book
Dow Pump & Diesel Engine Co. ("Dow"), Alameda, Cal.
Earle Gear & Machine Co., 4707 Stenton, Phila., Pa.
Economy Pumping Machine Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
ELLICOTT MACHINE CORP., 1111 Bush, Baltimore, Md.
See adv index at end of book
Emerson Pump & Valve Co. ("Emerson"), Dept. H, Alexandria, Va.
Erie Pump & Engine Works ("Erie" Mounted Portable), 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Fairbanks, Morse & Co., 900 S Wabash av, Chicago Ill.
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Flint & Walling Mfg. Co. ("Hoosier"), Kendallville, Ind.
Garratt W. T. & Co. ("Hooker" Double Acting), 277 Fremont, San Francisco, Cal.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Hayton Pump & Blower Co., Appleton, Wis.
Hubbard Machine Co., 615H Howard, San Francisco, Cal.
Humphryes Mfg. Co. ("Monitor"), Mansfield, O.
Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
Johnston Pump Co., 407 E 3rd, Los Angeles, Cal.
Kimball Frank J. Co., Inc., 1360 E 15th, Los Angeles, Cal.
Kingsford Foundry & Machine Works, Oswego, N. Y.
Krogh Pump & Machy. Co., 147 Beale, San Francisco, Cal.
Lawrence Machine Co. ("Lawrence" Centrifugal), 42 Market, South Lawrence, Mass. *See adv index at end of book*
Lawrence Pump & Engine Co. ("Vortex"), Lawrence, Mass.
Layne & Bowler Corp., 900 Santa Fe av, Los Angeles, Cal.
Leader-Trahern Co., 707 S Main, Rockford, Ill.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Luitweiler Pumping Engine Co., Rochester, N. Y.
McGowan John H. Co., 2nd & Central av, Cincinnati, Ohio
Mast Foos & Co., Springfield, O.
Menge Pump & Machy. Co., 862H Tchoupitoulas, New Orleans, La.
Midwest Engine Co., Indianapolis, Ind.
Monarch Foundry Co. ("Monarch"), Sacramento & Oak, Stockton, Cal.
Moran Mfg. Co. ("Moran" Centrifugal), 2761 First av, S, Seattle, Wash.
Morris Machine Works, Baldwinsville, New York
Myers F. E. & Bro. Co. ("Myers" Bulldozer), 950 Orange, Ashland, O.
See adv index at end of book
Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn.
Novo Engine Co. ("Novo"), Lansing, Mich.
Peerless Pump Co. ("Peerless"), 826 Santa Fe av, Los Angeles, Cal.
Pelton Water Wheel Co., Dept. H, 19th & Harrison, San Francisco, Cal.
Pennsylvania Pump & Compressor Co., Easton, Pa.
See adv index at end of book
PRICE G. W. PUMP & ENGINE CO., 1350 Folsom, San Francisco, Cal.
Pulsometer Steam Pump Co., 220 W 42nd, New York
Roots P. H. & F. M. Co. (Rotary Pressure), Connersville, Ind.
Rumsey Pump Co., Ltd., P. O. Box J, Seneca Falls, N. Y.
See adv index at end of book
San Diego Machine Co., San Diego, Cal.
Sterling Pump Works ("Sterling"), 646 S California, Stockton, Cal.
Trahern Pump Co., Rockford, Ill.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Twinvolute Pump & Mfg. Co., ("Twinvolute"), 55 William, New York
Union Steam Pump Co., Battle Creek, Mich
United Iron Works, Oakland, Cal.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Vulcan Iron Works, Denver, Col.
Vans Mfg. Co. ("Vans"), 519 N Church, Lodi, Cal.
Wagener Steam Pump Co., Canton, O.
Ward-Love Pump Corp. ("Warlo"), 716 Race, Rockford, Ill.
Wheeler Condenser & Engineering Co., W. Carteret, N. J.
Wood R. D. & Co., 400 Chestnut, Phila., Pa.

11884— Pumps (Jet)

See also Injectors & Ejectors, Boiler

Aldrich Pump Co., foot of Pine, Allentown, Pa.
Am Injector Co., 1469 14th av, Detroit, Mich.
Crane Co., 836 S. Michigan av, Chicago, Ill.
See adv index at end of book
Douds Frank C. & Co., New Castle, Pa.
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Hennebohle Frank, 81st & S Chicago av, Chicago, Ill.
Roberts Geo. J. Co. ("Gem"), Dayton, O.
Pranter Mfg. Co. ("Defiance"), 105 Water, Pittsburgh, Pa.
Worthington Pump & Machy. Corp., 115 B'way, New York

11885— Pumps (Juice)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Aldrich Pump Co., foot of Pine, Allentown, Pa.
Allis-Chalmers Mfg. Co., Milwaukee, Co.
See adv index at end of book
American Steam Pump Co., Battle Creek, Mich.
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Blymyer Iron Works Co. (Hand or Power), Cincinnati, O.
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
DEMING CO., Salem, O.
See adv index at end of book
DUNNING & BOSCHERT PRESS CO. INC., 379 W Water, Syracuse, N. Y.
See adv index at end of book
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foster Pump Works Inc., 37 Bridge, Brooklyn, N. Y.
Gardner Governor Co., 23 Williams, Quincy, Ill.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Honolulu Iron Works Co., 233 Broadway, New York
Hydraulic Press Mfg. Co. (Cider, Grape, Vinegar, etc. "Mt. Gilead"), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book
Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*
Los Angeles Valveless Pump Co., 316 E 3rd, Los Angeles, Cal.
McGowan John H. Co., 2nd & Central av, Cincinnati, O.
Midwest Engine Co., Indianapolis, Ind.
Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn.
Pennsylvania Pump & Compressor Co., Easton, Pa.
See adv index at end of book
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Squier Geo. L. Mfg. Co. (Power & Hand), Buffalo, N. Y.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Union Steam Pump Co., Battle Creek, Mich
Yeomans Bros. Co., 1436 Dayton, Chicago, Ill. *See adv index at end of book*

11886—Pumps (Laboratory Vacuum)

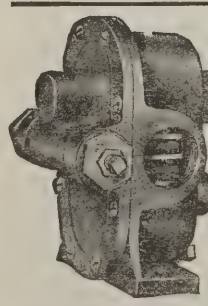
Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Aldrich Pump Co., foot of Pine, Allentown, Pa.
Allen & Billmyre Co. Inc., Grand Central Palace, New York
See adv index at end of book
Beach-Russ Co., 38 Church, New York
See adv index at end of book
CROWELL MFG. CO. ("Crowell" Rotary), 321 Franklin av, Brooklyn, N. Y.
See adv index at end of book
Devine J. P. Co., Buffalo, N. Y.
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Kruger & Blind Co., 511 Master, Phila., Pa.
Nash Engineering Co. ("Nash" Hydro-Turbine), South Norwalk, Conn.
Pennsylvania Pump & Compressor Co., Easton, Pa.
See adv index at end of book
Schutte & Koerting Co., 1251 N 12th, Phila, Pa.
See adv index at end of book
Union Steam Pump Co., Battle Creek, Mich.
YOUNG PUMP CO., 230 E Ohio, Chicago, Ill.

11886a— Pumps (Lime)

Chemical Equipment Co., 2457 So. Western av, Chicago, Ill.
De Laval Steam Turbine Co. (Centrifugal), E. Trenton, N. J.

11887— Pumps (Liquid)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Aldrich Pump Co., foot of Pine, Allentown, Pa.
Allis-Chalmers Mfg. Co., Milwaukee, Wis
See adv index at end of book
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Beach-Russ Co., 38 Church, New York
See adv index at end of book


Bronze Liquid Pumps
For pumping all Liquids 1 to 17 gallons per Min.
BEACH-RUSS COMPANY
38 Church St.
New York
Phone:
Cortlandt 0055

Central Stamping Co., 206 B'way, New York
De Laval Steam Turbine Co., East Trenton, N. J.
See adv index at end of book
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book

(Continued on following page)

Pumps (Liquid)—Continued

Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
Gardner Governor Co., 23 Williams, Quincy, Ill.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Judd & Leland Mfg. Co. ("Tornado" Beer), Clifton Springs, N. Y.
McGowan John H. Co., 2nd & Central av, Cincinnati, O.
National Enameling & Stamping Co., 411 6th av, New York
Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn.
Pennsylvania Pump & Compressor Co., Easton, Pa.
See adv index at end of book
Premier Machinery Co., 310 Sansome, San Francisco, Cal.
See adv index at end of book
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Union Steam Pump Co., Battle Creek, **Mich.**

11888—Pumps (Low Service)

Aldrich Pump Co., foot of Pine, Allentown, Pa.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Byron Jackson Iron Works, Sharon bldg, San Francisco, Calif.
Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
See adv index at end of book
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*
McGowan John H. Co., 2nd & Central av, Cincinnati, Ohio
National Transit Pump & Machine Co., Oil City, Pa. *See adv index at end of book*
Pennsylvania Pump & Compressor Co., Easton, Pa.
See adv index at end of book
Platt Iron Works, Dayton, O.
See adv index at end of book
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Union Steam Pump Co., Battle Creek, Mich.
Vogt Bros. Mfg. Co., Louisville, Ky.

Pumps (Lubricator)

See Lubricators, Oil Pump

11888a— Pumps (Maceration)

De Laval Steam Turbine Co. (Centrifugal), E. Trenton, N. J.
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Platt Iron Works, Dayton, Ohio
See adv index at end of book

11889— Pumps (Magma)

Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
GUILD & GARRISON, 463 Kent av., Brooklyn, N. Y.
Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*
McGowan John H. Co., 2nd & Central av, Cincinnati, O.
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Union Steam Pump Co., Battle Creek, Mich.

11890—Pumps (Manhole & Pile)

Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Edson Mfg. Corp. ("Edson"), 375H B'way, Boston, Mass.
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Union Steam Pump Co., Battle Creek, Mich.

11891—Pumps (Marine, Power)

Bethlehem Shipbuilding Corporation Ltd., Bethlehem, Pa.
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
DEMING CO., Salem, O.
See adv index at end of book
Dow Pump & Diesel Engine Co. ("Dow"), Alameda, Cal.
Edson Mfg. Co. ("Edson"), 375 B'way, Boston, Mass.
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*
Myers F. E. Bro. Co. ("Handy Bill;" Self-Oiling & Self-Lubricating), 950 Orange, Ashland, O.
See adv index at end of book
NATIONAL TRANSIT PUMP & MACHINE CO., Oil City, Pa.
See adv index at end of book
Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Union Steam Pump Co. ("Union"), Battle Creek, Mich.
Worthington Pump & Machy. Corp., 115 Broadway, New York

Pumps (Marine, Steam)

See Pumps, Steam

Pumps (Measuring)

See Pumps, Oil, Self-Measuring

11892— Pumps (Milk)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Burrell D. H. & Co., Inc. (Sanitary), Little Falls, N. Y.
Creamery Package Mfg. Co. ("Davis"), 61 W Kinzie, Chicago, Ill.
Davis-Watkins Dairymen's Mfg. Co. "Commercial"), Dept. H, North Chicago, Ill.
Davidson M. T. Co., 154 Nassau, New York
Elmes, Chas. F. Engineering Works, Cor. Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foster Pump Works Inc., 37 Bridge, Brooklyn, N. Y.
Jensen Creamery Machy. Co., Nelson & Locust av, Bloomfield, N. J.
Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn.
Union Steam Pump Co., Battle Creek, Mich.

11893— Pumps (Mine)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Aldrich Pump Co. ("Aldrich," Triplex or Quintuplex, Cement Lined Electric), foot of Pine, Allentown, Pa.
ALLIS-CHALMERS MFG. CO., Milwaukee, Wis.
See adv index at end of book
American Steam Pump Co., Battle Creek, Mich.
American Well Works, Aurora, Ill.
See adv index at end of book
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Barnes Mfg. Co., 700H N Main, Mansfield, O.
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Blakeslee Mfg. Co., Du Quoin, Ill.
Boyts Porter & Co. (Duplex Electric, Wood & Lead Lined), Connellsville, Pa.
Buffalo Steam Pump Co., Buffalo, N. Y.
Burton & Johnson Co., 2301 Center av, Cleveland, O.
Byron Jackson Iron Works, Sharon bldg, San Francisco, Calif.
Chicago Pump Co., 2342 Wolfram, Chicago, Ill.
Connellsville Machine & Car Supply Co., Connellsville, Pa.
Crawford & McCrimmon Co. (Lead Lined, Acid Proof), Brazil, Ind.
DAYTON-DOWD CO. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
DEMING CO., Salem, O.
See adv index at end of book
D'Olier Centrifugal Pump & Mach. Co., 165 B'way, New York
Dow Pump & Diesel Engine Co. ("Dow"), Alameda, Cal.
Dubois Iron Works, Dubois, Pa.
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Edson Mfg. Co. ("Edson" & Prospecting), 375H B'way, Boston, Mass.
Ellicott Machine Corp., 1111 Bush, Baltimore, Md.
See adv index at end of book
Emerson Pump & Valve Co. ("Emerson"), Dept. H, Alexandria, Va.
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Fairbanks-Morse & Co., 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Fairmont Mining Machy. Co., Fairmont, W. Va.
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Frenier & Son, Rutland, Vt.
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Gardner Governor Co., 23 Williamson, Quincy, Ill.
Garrett W. T. & Co., 299 Fremont, San Francisco, Cal.
Garrity Ralph E. Co., 607H Wabash, Pittsburgh, Pa.
Georgia Iron Works (Phosphate), Augusta, Ga.
GOULDS MFG. CO., 71 Wall, Seneca Falls, **N. Y.** *See adv index at end of book*
Goyne Steam Pump Co. (Goyne Bros. Props.) Works: Ashland, Pa.
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Hall Steam Pump Co. ("Hall"), 213 Galveston, Pittsburgh, Pa.
Hayton Pump & Blower Co., Appleton, Wis.
Hydraulic Engineering Works, 708 Fulton, Chicago, Ill.
Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
Kimball Frank J. Co., Inc., 1860 E 15th, Los Angeles, Cal.
Kingsford Foundry & Machine Works, Oswego, N. Y.
Krough Pump & Machy Co., 147 Beale, San Francisco, Cal.
Layne & Bowler Corp., 900 Santa Fe av, Los Angeles, Cal.
Lucas-Miner Tool & Production Co., 427 Valley, Dayton, O.
McGowan John H. Co., 2nd & Central av, Cincinnati, Ohio
Mackintosh-Hamphill Co., 116 Nassau, Pittsburgh, Pa.
Manistee Iron Works Co., Manistee, Mich.
Midwest Engine Co., Indianapolis, Ind.
Mine & Smelter Supply Co., 42 B'way, New York
MORRIS MACHINE WORKS, Baldwinsville, N. Y.
Mount Carmel Iron Works, Mount Carmel,
Myers F. E. Bro. Co. ("Myers" & "New Century" Bulldozer), 950 Orange, Ashland, O.
See adv index at end of book
National Foundry & Machine Co. ("Springer"), Louisville, Ky.
National Steam Pump Co., Upper Sandusky, O.
Norberg Mfg. Co., Chicago & Oklahoma av, Milwaukee, Wis.
Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn.
Novo Engine Co. ("Novo"), Lansing, Mich.
Nye Steam Pump & Machinery Co., 701 N Western av, Chicago, Ill.
Peerless Pump Co. ("Peerless"), 826 Santa Fe av, Los Angeles, Cal.
Pennsylvania Pump & Compressor Co. (Centrifugal), Easton, Pa.
See adv index at end of book
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Pittsburgh Machine Tool Co. ("Curtis" Rotary), Braddock, Pa.
Platt Iron Works Co., Dayton, O.
Pneumelectric Machine Co., Syracuse, N. Y.
Pomona Mfg. Co., Pomona, Cal.
Pulsometer Steam Pump Co., 220 W 42nd, New York
RUMSEY PUMP CO., LTD., P. O. Box J, Seneca Falls, N. Y.
See adv index at end of book
Scranton Pump Co., Scranton, Pa.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Twinvolute Pump & Mfg. Co. ("Twinvolute"), 55 William, New York
Union Steam Pump Co., Battle Creek, Mich.
United Iron Wks., Kansas City, Mo.
Virginia Electric & Machine Works ("V. E. M. W." Rotary), Charleston, W. Va.
Vogt Bros. Mfg. Co., Louisville, Ky.
Wagener Steam Pump Co., Canton, O.
Weinman Pump Co., 300 Spruce, Columbus, O.
Wilson-Snyder Mfg. Co., 1st & Talbot, Braddock, Pa.
Worthington Pump & Machy. Corp., 115 Broadway, New York
Yeomans Bros. Co., 1436 Dayton, Chicago, Ill. *See adv index at end of book*

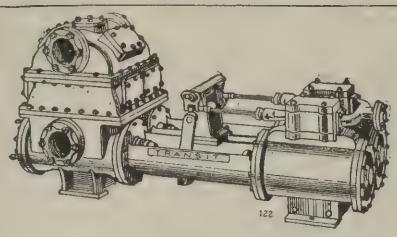
11893a— Pumps (Molasses)

Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foster Pump Works Inc., 37 Bridge, Brooklyn, N. Y.
McGowan John H. Co., 2nd & Central av, Cincinnati, O.
Northern Fire Apparatus Co., 2422 Union av, Minneapolis, Minn.
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Quimby Wm E., Inc., 209 Parkhurst, Newark, N. J.
Ruggles Horace F., 80 South, New York
Union Steam Pump Co., Battle Creek, Mich.

TRANSIT PUMPS

Types

STEAM
POWER
HORIZONTAL
VERTICAL
PISTON
PLUNGER



IF you demand of your pumping equipment the same uninterrupted, trouble-free service that is a necessity in refinery and pipe line work, see that you get TRANSIT PUMPS.

A large stock of all types listed, is maintained at conveniently located points
Your "conditions" will bring our "proposal." Bulletins on request.

For

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REFINERY
MARINE
BOILER FEED
GENERAL SERVICE
HIGH PRESSURE

Gas Engines—Oil Engines
Tools for Pipe Line Construction

NATIONAL TRANSIT PUMP & MACHINE CO., Oil City, Pa.
Cleveland Tulsa Denver and Houston New York Philadelphia Pittsburgh

11893b—Pumps (Monel Metal Trimmed)

See also Pumps—various classifications

INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book

11893c— Pumps (Naphtha)

Farrar Pump & Mach. Co., Granite bldg, St, Louis, Mo.
Foster Pump Works Inc., 37 Bridge, Brooklyn, N. Y.
National Transit Pump & Machine Co., Oil City, Pa. *See adv index at end of book*
Union Steam Pump Co., Battle Creek, Mich.

11894— Pumps (Oil)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Acme Pump & Tank Co. (Self-Measuring), 19 W 44th, New York
Aldrich Pump Co., foot of Pine, Allentown, Pa.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Steam Pump Co., Battle Creek, Mich.
Barnes Mfg. Co., Mansfield, O.
BEACH-RUSS CO., 38 Church, New York
See adv index at end of book
Bethlehem Shipbuilding Corp. (Cargo), Dept. H, Broadhead & Parker av, Bethlehem, Pa.
Blackmer Rotary Pump Co., Petoskey, Mich.
Blanke W. F. Can & Mfg. Co., 116 Pine, St. Louis, Mo.
Bowser S. F. & Co., Ft. Wayne, Ind.
Boyle-Dayton Co., 5190 Santa Fe av, Los Angeles, Cal.
Buffalo Steam Pump Co., Buffalo, N. Y.
Bunting Iron Wks., Dept. H, First Nat. Bk. buldg, San Francisco, Cal.
Butler Mfg. Co., 1228 Eastern av, Kansas City, Mo.
Chalmers Pump & Mfg. Co., Lima, Ohio
Davidson M. T. Co. (For Light Service), 154 Nassau, New York
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
Detroit Lubricator Co. ("Detroit" "Genuine Detroit"), 5928 Trumbull, Detroit, Mich.
DEMING CO., Salem, O.
See adv index at end of book
Dow Pump & Diesel Engine Co. ("Dow"), Alameda, Cal.
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
F. A. B. Mfg. Co. 1856 7th, Oakland, Cal.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foster Pump Works Inc., 37 Bridge, Brooklyn, N. Y.
Fulflo Specialties Co. ("Fulflo" "Lubricating" "Coolant" & "Volume"), Blanchester, O.
Gardner Governor Co., 23 Williams, Quincy, Ill.
Gas Machinery Co., 1900 Euclid av, Cleveland, O.
Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Hayton Pump & Blower Co., Appleton, Wisconsin
Hills McCanna Co. (Marine Hand), 2025 Elston av, Chicago, Ill.
Holzer R. G. (Est. of), 317 Burgundy, New Orleans, La.
Hopedale Mfg. Co., Roper Dept., Milford, Mass.
Huyette Paul B. Co. ("Manzel" Sight Feed), 5H S 18th, Phila., Pa.
Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
Keystone Iron & Steel Wks. (Keystone Visible Vendor), 37th & Santa Fe av, Los Angeles, Cal.
Kraft A. C. ("Aztec," "Bools," "Coco," "Gross," "Heft," "Midget," "Stuhl," "Walker," "W. & E." & "Zetroc"), 159 W Lake, Chicago, Ill.
Lobee Pump & Machinery Co., East Buffalo, N. Y.
LUNKENHEIMER CO. ("Alpha," "Imperial," "Universal," "Invincible," "Marvel"), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
See adv index at end of book
McCullough Lubricator Mfg. Co. (Lubricators), 2636 Central av, Minneapolis, Minn.
See adv index at end of book
McDonald A. Y. Mfg. Co. (Kerosene & Gasoline Pumping Systems), Dubuque, Ia.
McGowan John H. Co., 2nd & Central av. Cincinnati, Ohio
Michigan Lubricator Co. (Hand), 3643 Beaubien, Detroit, Mich.
Morris Mach. & Tool Co., Court & Harriet, Cincinnati, Ohio
NATIONAL TRANSIT PUMP & MACHINE CO., Oil City, Pa.
See adv index at end of book
New Liberty Washing Machine Co. (Force Feed), St. Paul, Minn.
Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn.
Nugent Wm. W. & Co., 416 N Hermitage, Chicago, Ill.
Oberdorer M. L. Brass Co., 810 E Water, Syracuse, N. Y.
Paro H. G. Co. ("O'Brien" heavy duty), 1414 So. Michigan blvd, Chicago, Ill.
Pennsylvania Pump & Compressor Co. (Centrifugal), Easton, Pa.
See adv index at end of book
Pittsburgh Gage & Supply Co., 30th & Liberty av, Pittsburgh, Pa.
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Powell Wm. Co., 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Quimby Wm E., Inc., 209 Parkhurst, Newark, N. J.
Reed-Prentice Co. ("Becker" for Machine Tools), 677 Cambridge, Worcester, Mass.
Rumsey Pump Co. (Ltd.), Box J, Seneca Falls, N. Y.
See adv index at end of book
Sharlow Bros. Co. (Tin), 442 W 42nd, New York
Tate-Jones & Co. Inc., Pittsburg, Pa.
Tokheim John J., Cedar Rapids, Ia.
Tokheim Oil Tank & Pump Co. Fort Wayne, Ind.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Union Steam Pump Co., Battle Creek, Mich.
Vogt Bros. Mfg. Co., Louisville, Ky.
Ward-Love Pump Corp., 716 Race, Rockford, Ill.
Wilson-Snyder Mfg. Co., 1st & Talbot, Braddock, Pa.
Witt G. E. Co. ("Duplex"), 862 Howard, San Francisco, Cal.
Worthington Pump & Machy. Corp., 115 Broadway, New York
Yeomans Bros. Co., 1436 Dayton, Chicago, Ill. *See adv index at end of book*

11895— Pumps (Oil Burning Outfits)

CROWELL MFG. CO. ("Crowell" Rotary), 321 Franklin av, Brooklyn, N. Y.
See adv index at end of book
Erwin & Co., 3736 Cottage Grv. av, Chicago, Ill.
McGowan John H. Co., 2nd & Central av, Cincinnati, Ohio
National Transit Pump & Machine Co., Oil City, Pa. *See adv index at end of book*

11896— Pumps (Oil Line)

Aldrich Pump Co., foot of Pine, Allentown, Pa.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Well Works, The, 110 N Broadway, Aurora, Ill.
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
Dow Pump & Diesel Engine Co. ("Dow"), Oak & Clement, Alameda, Cal.
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Gardner Governor Co., 23 Williams, Quincy, Ill.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*
Jamieson M. W. & Co., Warren, Pa.
McGowan John H. Co., 2nd & Central av, Cincinnati, Ohio
See adv index at end of book
Norris W. C., Tulsa, Okla.
NATIONAL TRANSIT PUMP & MACHINE CO., Oil City, Pa.
See adv index at end of book
Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn.
Union Steam Pump Co., Battle Creek, Mich.
Ward-Love Pump Corp., 716 Race, Rockford, Ill.

(Continued on following page)

Pumps (Oil Line)—Continued

Worthington Pump & Machy. Corp., 115 B'way, New York

11897—Pumps (Oil, Motor Cycle)

Imperial Brass Mfg. Co., 1200 W Harrison, Chicago, Ill.

11898—Pumps (Oil or Gas Well)

American Steam Pump Co., Battle Creek, Mich.
Axelson Machine Co. ("Axelson"), Boyle av & Randolph, Los Angeles, Cal.
Bakersfield Iron Works, 24th & M, Bakersfield, Cal.
Bole Pump Co., 2708 Santa Fe av, Los Angeles, Cal.
CALDWELL E. R. & CO., Bradford, Pa.
See adv index at end of book
Chambersburg Engineering Co., Chambersburg, Pa.
D. & B. Pump & Supply Co., 301 W av, 26th, Los Angeles, Cal.
Gardner Governor Co., 23 Williams, Quincy, Ill.
Herron R. H. Co. ("Oilwell"), 934H N Alameda, Los Angeles, Cal.
Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*
Kimball, Frank J. Co., Inc., 1860 E 15th, Los Angeles, Cal.
Larkin & Co., Butler, Pa.
Masseth Packer & Mach. Co., Butler, Pa.
Nash Engineering Co. ("Nash" Hydro-Turbine), So. Norwalk, Conn.
National Supply Co., Union Bk bldg, Pittsburgh, Pa.
National Transit Pump & Machine Co., Oil City, Pa.
See adv index at end of book
Pacific Oil Tool Co. ("P. & T."), 1928 E 7th, Los Angeles, Cal.
Sprague Bros., Bakersfield, Cal.
Union Steam Pump Co., Battle Creek, Mich.

11899—Pumps (Oil Refinery)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Aldrich Pump Co., foot of Pine, Allentown, Pa.
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Bethlehem Shipbuilding Corporation, Ltd., Bethlehem, Pa.
California Pump & Machine Corp., 2668 Long Beach, av, Los Angeles, Calif.
DAYTON-DOWD CO. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*
Johnson John Co., 37th & 2nd av, Brooklyn, N. Y.
Los Angeles Valveless Pump Co., 316 E 3rd, Los Angeles, Cal.
Mosher Steel & Machinery Co., Dallas, Texas
NATIONAL TRANSIT PUMP & MACHINE CO., Oil City, Pa.
See adv index at end of book
Northern Fire Apparatus Co., 2422 Univ. av, S E. Minneapolis, Minn.
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Quimby Wm E., Inc., 209 Parkhurst, Newark, N. J
Union Steam Pump Co., Battle Creek, Mich.
Wilson-Snyder Mfg. Co., 1st & Talbot, Braddock, Pa.
Yeomans Bros. Co., 1436 Dayton, Chicago, Ill. *See adv index at end of book*

11900—Pumps (Oil Rotary)

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Barnes Mfg. Co., 700H N Main, Mansfield, Ohio
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Beman Automatic Oil Can Co. (Ltd.) ("Beman" Rotary Force for Oil & Other Liquids), Meadville, Pa.
Bowser S. F. & Co., Dept H, Ft. Wayne, Indiana
California Pump & Machine Corp., 2668 Long Beach av, Los Anegeles, Cal.
DEMING CO., Salem, O.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foster Pump Works Inc., 37 Bridge, Brooklyn, N. Y.
Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Herron R. H. Co. ("Oilwell"), 934H N Alameda, Los Angeles, Cal.
Lobee Pump & Machinery Co., East Buffalo, N. Y.
McGowan John H. Co., 2nd & Central av, Cincinnati, O.
Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis. Minn.
Nugent Wm. W. & Co. (Plunger & Electric),416 N Hermitage, Chicago, Ill.
Oberdorfer M. L. Brass Co., 810 E Water, Syracuse, N. Y.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Quimby Wm. E., Inc., 209 Parkhurst, Newark, N. J.
Taber Pump Co., 291 Elm, Buffalo, N. Y.
Tokheim Oil Tank & Pump Co., Fort Wayne, Ind.
Ward-Love Pump Corp., 716 Race, Rockford, Ill.
Wilgus Mfg. Co. ("Wilgus"), Los Angeles, Cal.
Witt G. E. Co., 862 Howard, San Francisco, Cal.

11901—Pumps (Oil, Self-Measuring)

American Oil Pump & Tank Co., Findlay & Dalton, Cincinnati, O.
Beman Automatic Oil Can Co. (Ltd.) ("Beman"), Meadville, Pa.
Bowser S. F. & Co., Fort Wayne, Ind.
Boyle-Dayton Co. (Gasoline), 52nd & Santa Fe, Los Angeles, Cal.
Chapin R. E. Mfg. Works ("Guthrie"), Batavia, N. Y.
Columbian Steel Tank Co., New England bldg, Kansas City, Mo.
Dayton Pump & Mfg. Co., Dayton, O.
Eastern Oil Tank Co. (Chas. E. Gee, Prop.), Lowell, Mass.
Enterprise Mfg. Co. of Pa., 3d & Dauphin, Phila., Pa.
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Freeland B. F. Sons Co., Sturgis, Mich.
Gilbert & Barker ("Gilbert & Barker" and Non Measuring Power & Hand Driven), Dept H, Springfield, Mass.
Jones Automatic Measuring Pump Co., Shelbyville, Ind.
Keesee Mfg. Co., Inc. ("Keesee Visible"), 731 W Belgrave av, Huntington Park, Cal.
Keystone Iron & Steek Wks. ("Keystone" Visible Vendor), 37th & Santa Fe av, Los Angeles, Cal.
Kraft A. C., 159 W Lake, Chicago, Ill.
Marvel Equipment Co. ("Marvel"), 8300 Harvard, Cleveland, Ohio
Milwaukee Tank Works ("Milwaukee"), Fratney & Becker, Milwaukee, Wis.
Richardson-Phenix Co., 131 2nd, Milwaukee, Wis.
San Diego Machine Co. (For Sardine Canning), San Diego, Cal.
Shotwell Pump & Tank Co. (Visible & Blind), 21 N Alabama, Indianapolis, Indiana
Tokheim John J. (For Gasoline, Lubricating & Paint Oils), Cedar Rapids, Iowa
Tokheim Oil Tank & Pump Co., Fort Wayne, Ind.
Vac Liquid Equipment Co. ("Vac"), Cedar Rapids, Ia.
Western Oil Pump & Tank Co., 2437 Koschusko, St. Louis, Mo.
Wilson F. Cortez Co., 159 W Lake, Chicago, Ill.

11902—Pumps (Oil, Tin & Galvanized)

AMERICAN CAN CO., 120 Broadway, New York *See adv index at end of book*
Chapin R. E. Mfg. Works ("Eclipse," "Ideal," "Handy"), Batavia, N. Y.
Delphos Mfg. Co., 1st & Pierce, Delphos, O.
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Gordon-Lawless Co., Omaha, Neb.
Hemp & Co., Vandeventer nr. Shaw, St. Louis, Mo.
Kraft A. C., 159 W Lake, Chicago, Ill.
National Enameling & Stamping Co., 411 5th av, New York

11903—Pumps (Outside Packed)

Aldrich Pump Co., foot of Pine, Allentown, Pa.
Barnes Mfg. Co., 700H N Main, Mansfield, Ohio
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*
McGowan John H. Co., 2nd & Central av, Cincinnati, Ohio
National Transit Pump & Machine Co., Oil City, Pa. *See adv index at end of book*
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Union Steam Pump Co., Battle Creek, Mich.
Vogt Bros. Mfg. Co., Louisville, Ky.

11904—Pumps (Packing House)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Aldrich Pump Co., foot of Pine, Allentown, Pa.
American Steam Pump Co., Battle Creek, Mich.
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Boyle-Dayton Co. (Gasoline), 52nd & Santa Fe, Los Angeles, Cal.
California Pump & Machine Corp., 2668 Long Beach av, Los Angeles, Calif.
Chalmers Pump & Mfg. Co., Lima, Ohio
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
ECONOMY PUMPING MACHY. CO., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foster Pump Works Inc., 37 Bridge, Brooklyn, N. Y.
Gardner Governor Co., 23 Williams, Quincy, Ill.
Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*
McGowan John H. Co., Cincinnati, O.
Midwest Engine Co., Indianapolis, Ind.
Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn.
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Union Steam Pump Co., Battle Creek, Mich.

11905—Pumps (Paper Maker's Fan)

Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 141 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Hayton Pump & Blower Co., Appleton, Wisconsin
Jennings Pump & Dredge Co., 150 N Dearborn, Chicago, Ill.
Morris Machine Works, Baldwinsville, New York

11906— Pumps (Paper Mill)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Aldrich Pump Co., foot of Pine, Allentown, Pa.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Steam Pump Co., Battle Creek, Mich.
AMERICAN WELL WORKS, Aurora, Ill.
See adv index at end of book
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
BEACH-RUSS CO. 38 Church, New York
See adv index at end of book
Boyts Porter Co., Dept H, Connellsville, Pa.
Buffalo Steam Pump Co., Buffalo, N. Y.
Byron Jackson Iron Works, Sharon bldg, San Francisco, Cal.
California Pump & Machine Corp., 2668 Long Beach av, Los Angeles, Calif
Chicago Pump Co., 2342 Wolfram, Chicago, Ill.
DAYTON-DOWD CO. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
DEMING CO., Salem, O.
See adv index at end of book
Earle Gear & Machine Co., 4707 Stenton, Phila., Pa.
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foster Pump Works Inc., 37 Bridge, Brooklyn, N. Y.
Frederick Iron & Steel Co., Frederick, Md.
Gardner Governor Co., 23 Williams, Quincy, Ill.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*

Hayton Pump & Blower Co., Appleton, Wisconsin
Ingersoll-Rand Co., 11 Broadway, New York
See adv index at end of book
Jennings Pump & Dredge Co., 180 Dearborn, Chicago, Ill.
Kingsford Fdry. & Mach. Works, Oswego, New York
Kinney Mfg. Co. ("Kinney"), 3541 Washington, Boston, Mass.
McGowan John H. Co., 2nd & Central av, Cincinnati, Ohio
Moore & White Co., N 15th & Lehigh av, Phila., Pa.
MORRIS MACHINE WORKS, Baldwinsville, New York
Nash Engineering Co. ("Nash" Hydroturbine), South Norwalk, Conn.
National Transit Pump & Machine Co., Oil City, Pa. *See adv index at end of book*
Pennsylvania Pump & Compressor Co., Easton, Pa.
See adv index at end of book
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Rice Barton & Fales Inc., 65 Taintor, Worcester, Mass.
Smith & Winchester Mfg. Co., S Windham, Conn.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Twinvolute Pump & Mfg. Co. ("Twinvolute"), 55 William, New York
Union Steam Pump Co., Battle Creek, Mich.
Worthington Pump & Machy. Corp., 115 Broadway, New York

11907—Pumps (Paper Mill Suction Box Vacuum)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Aldrich Pump Co., foot of Pine, Allentown, Pa.
Allen & Billmyre Co. Inc., Grand Central Palace, New York
See adv index at end of book
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Hayton Pump & Blower Co., Appleton, Wisconsin
Nash Engineering Co. ("Nash" Hydro-Turbine), South Norwalk, Conn.

11907a— Pumps (Pipe Line)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foster Pump Works Inc., 37 Bridge, Brooklyn, N. Y.
NATIONAL TRANSIT PUMP & MACHINE CO., Oil City, Pa.
See adv index at end of book
Union Steam Pump Co., Battle Creek, Mich.
Wilson-Snyder Mfg. Co., 1st & Talbot, Braddock, Pa.

11908—Pumps (Pitcher Spout)

Barnes Mfg. Co., 700H N Main, Mansfield, Ohio
Columbiana Pump Co., Columbiana, O.
Davis-Hansen Co., Oshkosh, Wis.
DEMING CO., Salem, O.
See adv index at end of book
Douglas W. & B., Middletown, Conn.
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Flint & Walling Mfg. Co. ("Hoosier"), Kendillville, Ind.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Hayes Pump & Planter Co. ("Hayes"), Galva, Ill.
Humphreys Mfg. Co. (Lined, Iron or Brass), Mansfield, Ohio
Love M. A. Mfg. Co., Rockford, Ill.
MYERS F. E. & BRO. CO. ("Myers" Brass Cylinder Cog Gear), 950 Orange, Ashland, Ohio
See adv index at end of book
Peters Pump Co., Kewanee, Ill.
Red Jacket Mfg. Co. ("Red Jacket"), Davenport, Ia.
Rumsey Pump Co. (Ltd.), Box J, Seneca Falls, N. Y.
See adv index at end of book
Trahern Pump Co., Rockford, Ill.
Ward Lowe Pump Co., Rockford, Ill.

11909— Pumps (Plantation)

Aldrich Pump Co., foot of Pine, Allentown, Pa.
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
DEMING CO., Salem, O.
See adv index at end of book
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Ellicott Machine Corp., 1111 Bush, Baltimore, Md.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*
Menge Pump & Machy Co. (For Irrigating), 862H Tchoupitoulas, New Orleans, La.
Midwest Engine Co., Indianapolis, Ind.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Union Steam Pump Co., Battle Creek, Mich.

11910— Pumps (Plumbers')

Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Barnes Mfg. Co., Mansfield, O.
Darling O. J. & Co., 372 Kirby av, W Detroit, Mich.
DEMING CO., Salem, O.
See adv index at end of book
Douglas W. & B., Middletown, Conn.
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Garrison Brass & Machine Wks., 107 W 13th, New York
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Kirkup Robert & Co., 616 Lodge, Cincinnati, O.
Knapp Mfg. & Supply Co., 241 Water, New York
Rumsey Pump Co. (Ltd.), P. O. Box J, Seneca Falls, N. Y.
See adv index at end of book
Wolverine Brass Works ("Plumbers' Friend"), Grand Rapids, Mich.

11911—Pumps (Plumbers' Force)

Barnes Mfg. Co., 700H N Main, Mansfield, Ohio
Bernz Co., Inc., Otto, 17 Ashland st, Newark, N. J.
See adv index at end of book
Boekel Wm. & Co. (Inclined Air), 518 Vine, Phila., Pa.
DEMING CO., Salem, O.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Garrison Brass & Machine Wks, 107 W 13th, New York
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Kennedy J. E. ("Big Giant" for Water closets & "Little Giants" lift and force), 30 E 42nd, New York
Penna. Furnace & Iron Co., 373 Pine, Warren, Pa.
See adv index at end of book
Perkes Chas. (Est. of), 625 Arch, Phila., Pa.
Rumsey Pump Co. (Ltd.), P. O. Box J, Seneca Falls, N. Y.
See adv index at end of book

11912— Pumps (Plunger)

Aldrich Pump Co., foot of Pine, Allentown, Pa.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Steam Pump Co., Battle Creek, Mich.
Barnes Mfg. Co., 700H N Main, Mansfield, Ohio
Bowser S. F. & Co., Ft. Wayne, Ind.
Boyts Porter & Co. ("Yough" Wood & Lead Lined), Dept H, Connellsville, Pa.
DUNNING & BOSCHERT PRESS CO., INC., 379 W Water, Syracuse, N. Y.
See adv index at end of book
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Gardner Governor Co., 23 Williams, Quincy, Ill.
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Hayes Pump & Planter Co. ("Hayes"), Galva, Ill.
Herron R. H. Co., 934H N Alameda, Los Angeles, Cal.
Hydraulic Press Mfg. Co. ("H P M" High Pressure Hydraulic), 24 Lincoln av, Mount Gilead, Ohio
See adv index at end of book
Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*
Kimball Frank J. Co., Inc., 1860 E 15th, Los Angeles, Cal.
Kinney Mfg. Co. ("Kinney" Rotating for Heating Plants), 3541 Washington, Boston, Mass.
Laughlin Thos. Co. ("Russell"), 135 Fore, Portland, Me.
See adv index at end of book
Leckenby Fred, Tide Flats, Tacoma, Wash.
McGowan John H. Co., 2nd & Central av, Cincinnati, Ohio
Mackintosh-Hemphill Co., 12th & Etna, Pittsburgh, Pa.
Mauch Chunk Iron Works, Mauch Chunk, Pa.
Midwest Engine Co., Indianapolis, Ind.
Myers F. E. & Bro. Co. ("Myers"), 950 Orange, Ashland, O.
See adv index at end of book
NATIONAL TRANSIT PUMP & MACHINE CO., Oil City, Pa.
See adv index at end of book
Nugent Wm. W. & Co., 416 N Hermitage, Chicago, Ill.
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Pomona Mfg. Co., Pomona, Cal.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Union Steam Pump Co., Battle Creek, Mich.
Vogt Bros. Mfg. Co., Louisville, Ky.
Ward-Love Pump Corp., 716 Race, Rockford, Ill.

11913— Pumps (Pneumatic)

See also Pneumatic Pumping Systems
Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Allen & Billmyre Co., Inc., Grand Central Palace, New York
See adv index at end of book
Barnes Mfg. Co., 700H N Main, Mansfield, Ohio
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Chicago Pump Co. (Water Supply), 2342 Wolfram, Chicago, Ill.
Curtis & Co. Mfg. Co., 1571 Kienlen av, St. Louis, Mo.
Davis-Hansen Co., Oshkosh, Wis.
See adv index at end of book
DEMING CO., Salem, O.
See adv index at end of book
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erwin & Co., 3736 Cottage Grove av, Chicago, Ill.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Harris Brockman Mfg. Co. ("Harris"), Greer, S. C.
Kimball Frank J. Co., Inc., 1860 E 15th, Los Angeles, Cal.
Lunt Moss Co., 43 S Market, Boston, Mass.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
Merritt Hydraulics Co., 110 N Broad, Phila., Pa.
MYERS F. E. & BRO. CO., 950 Orange, Ashland, O.
See adv index at end of book
Nash Engineering Co. ("Nash" Hydro-Turbine), South Norwalk, Conn.
Peters Pump Co., Kewanee, Ill.
Roberts Geo. J. Co. ("Gem"), Dayton, O.
Schramm, Inc., West Chester, Pa.
Worthington Pump & Machinery Corp., 115 B'way, New York
Yeomans Bros. Co., 1436 Dayton, Chicago, Illinois *See adv index at end of book*

11914—Pumps (Pneumatic Displacement)

Allen & Billmyre Co., Inc., Grand Central Palace, New York
See adv index at end of book
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Latta-Martin Pump Co., Hickory, N. C.
Schramm, Inc., West Chester, Pa.
Yeomans Bros. Co., 1436 Dayton, Chicago, Illinois *See adv index at end of book*

11915— Pumps (Power)

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Aldrich Pump Co., foot of Pine, Allentown, Pa.
Allen & Billmyre Co., Inc., Grand Central Palace, New York
See adv index at end of book
Allis Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Cement Machine Co., Keokuk, Ia.
American Steam Pump Co., Battle Creek, Mich.
American Well Works, The, 110 N Broadway, Aurora, Ill.
See adv index at end of book
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Barnes Mfg. Co., 700H N Main, Mansfield, Ohio
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Bessemer Gas Engine Co., Grove City, Pa.
Bowser S. F. & Co., Fort Wayne, Ind.
Boyts Porter Co., Dept H, Connellsville, Pa.
Buffalo Steam Pump Co., Buffalo, N. Y.
Byron Jackson Iron Works, Sharon bldg, San Francisco, Cal.
Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Carlin John H. Machine Co. (& Steam), Pittsburgh, Pa.

(Continued on following page)

Pumps
Centrifugal
Power
Steam
Pumping Units
Motors
Generators
Railway
Equipment
Coaling Stations
Cars
Hand
Motor
Velocipede

FAIRBANKS, MORSE & CO.

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Home Light Plants
Feed Grinders
Windmills
Gasoline Engines
Kerosene Engines
Oil Engines
Stationary
Marine
Scales
Trucks

Pumps (Power)—Continued

Carpenter & Co. Geo. B., 434 N Wells, Chicago, Ill.
See adv index at end of book
Challenge Co., Batavia, Ill.
Chalmers Pump & Mfg. Co., Lima, Ohio
Columbiana Pump Co., Columbiana, O.
Connersville Blower Co., Connersville, Ind.
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
Dayton Pump & Mfg. Co., Dayton, O.
Decatur Pump & Mfg. Co. (Elect. & Gasoline Engine), Decatur, Ill.
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
DEMING CO. ("Oil-Rite"), Salem, O.
See adv index at end of book
DEMING CO., Salem, O.
See adv index at end of book
Douglas W. & B., Middletown, Conn.
Du Bois Iron Works (High Duty), Du Bois, Pa.
DUNNING & BOSCHERT PRESS CO. INC., 379 W Water, Syracuse, N. Y.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Evans C. H. & Co., 187 Fremont, San Francisco, Cal.
FAIRBANKS, MORSE & CO., 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Flint & Walling Mfg. Co. ("Hoosier"), Kendallville, Ind.
Ft. Wayne Engineering & Mfg. Co., Ft. Wayne, Ind.
Foster Pump Works Inc. (Electric & Belt Driven), 37 Bridge, Brooklyn, N. Y.
French Oil Mill Machinery Co. (High & Low Pressure for Cottonseed & Linseed Oil Mills, etc), Piqua, O.
Fulton Machine & Vise Co., Lowville, N. Y.
Gardner Governor Co., 23 Williams, Quincy, Ill.
GOULDS MFG. CO., 71 W Fall, Seneca
See adv index at end of book
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
Hayes Pump & Planter Co. ("Hayes" Triple Cylinder), Galva, Ill.
Hayton Pump & Blower Co., Appleton, Wisconsin
Henion & Hubbell, 219 N Jefferson, Chicago, Ill.
Humphryes Mfg. Co. (For Contractors' Use), Mansfield, O.
Hydraulic Press Mfg. Co. ("H P M" Hydraulic), 24 Lincoln av, Mount Gilead, Ohio
See adv index at end of book
Indiana Air Pump Co., Indiana Pythian bldg, Indianapolis, Ind.
Ingersoll-Rand Co., 11 Broadway, New York
See adv index at end of book
Jarvis Engine & Machine Works ("Jarvis"), Lansing, Mich.
Layne & Bowler Corp., 900 Santa Fe av, Los Angeles, Cal.
See adv index at end of book
Leader-Trahern Co., 707 S Main, Rockford, Ill.
Lobee Pump & Machinery Co., East Buffalo, N. Y.
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Lucas Tool & Production Pump Co. ("Lucas" Double Acting Triplex), 427 Valley, Dayton, Ohio
McDonald A. Y. Mfg. Co. (Air & Water), Dubuque, Ia.
McGowan John H. Co., 2nd & Central av, Cincinnati, Ohio
Mast, Foos & Co. ("Buckeye" Force), Springfield, O.
Midland Brass Works (Well Double Stroke), Dept H, Fort Worth, Tex.
Midwest Engine Co., Indianapolis, Ind.
Milwaukee Air Power Pump Co., 886 3d, Milwaukee, Wis.

MYERS F. E. & BRO. CO. ("Myers" Bulldozer Hydro-Pneumatic Imperial, Self-Oiling & Self-Lubricating), 950 Orange, Ashland, Ohio
See adv index at end of book

Nash Engineering Co. ("Nash" Hydro-Turbine., South Norwalk, Conn.
National-Standard Co., Box 211, Niles, Mich.

NATIONAL TRANSIT PUMP & MACHINE CO., Oil City, Pa.
See adv index at end of book

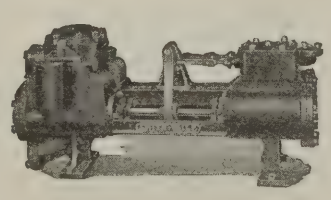
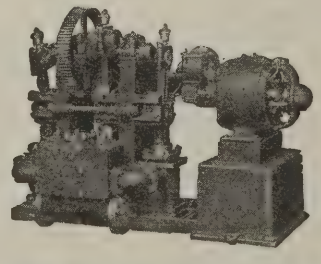
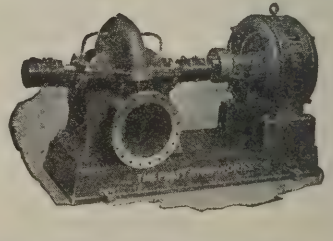
Northern Fire Apparatus Co. 2422 Univ. av, S E, Minneapolis, Minn.
Novo Engine Co. ("Novo"), Lansing, Mich.
Ohio Valley Supply Co., Marietta, O.
Oliver Continuous Filter Co., 503 Market, San Francisco, Cal., & 33 W 42d, New York
Pacific Pump & Supply Co. (Jobber), 853 Folsom, San Francisco, Cal.
Peerless Pump Co. ("Peerless"), 826 Santa Fe av, Los Angeles, Cal.
Peters Pump Co., Kewanee, Ill.

PLATT IRON WORKS, Dayton, O.
See adv index at end of book

Pratt & Cady Co., Inc. (Triplex "Davis Duplex"), Hartford, Conn.
Price G. W. Pump & Engine Co., 1350 Folsom, San Francisco, Cal.
Quimby Wm. E., Inc., 209 Parkhurst, Newark, N. J.
Roberts Geo. J. Co., ("Gem"), Dayton, O.
Roots P. H. & F. M. Company, Connersville, Ind.

RUMSEY PUMP CO., LTD., P. O. Box J, Seneca Falls, N. Y.
See adv index at end of book

San Diego Machine Co., San Diego, Cal.
Scranton Pump Co., Scranton, Pa.
Smedley Pump Co., Dubuque, Ia.
Stewart Heater Co., N Tonawanda, N. Y.
Tokheim John J. (For Gasoline Lubricating & Paint Oils), Cedar Rapids, Ia.
Traylor Engng. & Mfg. Co., Allentown, Pa.
Trimount Rotary Power Co. ("Trimount" Rotary), 286 Whiting av, Boston, Mass.
Union Steam Pump Co., Battle Creek, Mich.
Vogt Bros. Mfg. Co., Louisville, Ky.
Walker Mfg. Co. (Up to 1,000,000 Gallons Daily), Fenton, Mich.
Ward-Love Pump Corp. (Horizontal), 716 Race, Rockford, Ill.
Warren Steam Pump Co., Warren, Mass.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Weinman Pump Mfg. Co. (Geared, Electric, Belt Driven, etc), 300 Spruce, Columbus, O.
Wheeler Condenser & Engineering Co., W. Carteret, N. J.
Worthington Pump & Machy. Corp., 115 Broadway, New York
Yeomans Bros. Co., 1436 Dayton, Chicago, Illinois *See adv index at end of book*
Zelnicker Walter Supply Co., (Dir.), 825 Locust St. Louis, Mo.

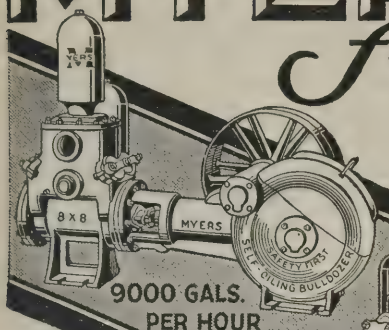
PLATT IRON WORKS, DAYTON, OHIO

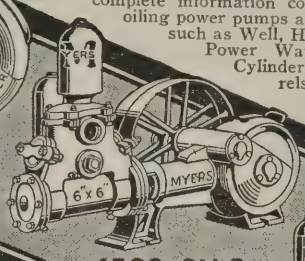
"PLATT" and "SMITH-VAILE" PUMPS

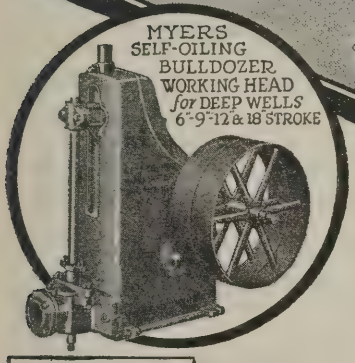
STEAM and POWER PUMPING MACHINERY

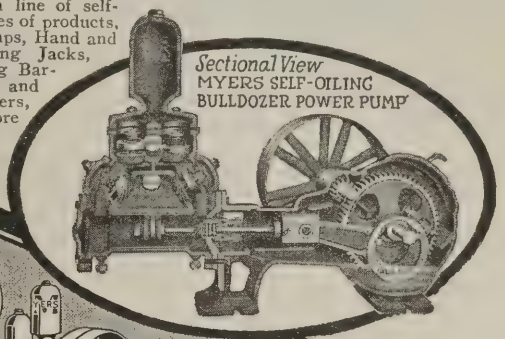
MYERS SELF-OILING (A REGISTERED TRADE NAME) BULLDOZER POWER PUMPS for General Service

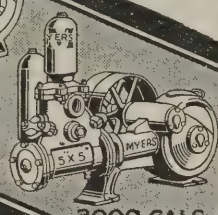
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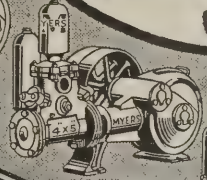


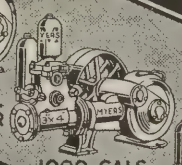


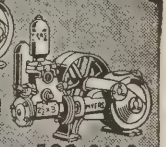












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11915a—Pumps (Power Spray)

MYERS F. E. & BRO. CO. ("Myers," "Automatic," "Self-Oiling"), 950 Orange, Ashland, O.
See adv index at end of book

Pumps (Pressure)

See Pumps, Steam

11916—Pumps (Pressure Tank)

Aldrich Pump Co., Allentown, Pa.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Barnes Mfg. Co., 700H N Main, Mansfield, Ohio
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
Boyts Porter Co., Dept H, Connellsville, Pa.
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Midwest Engine Co., Indianapolis, Ind.
MYERS F. E. & BRO. CO., 950 Orange, Ashland, O.
See adv index at end of book
National Transit Pump & Machine Co., Oil City, Pa. *See adv index at end of book*
Northern Fire Apparatus Co. 2422 Univ. av, S E, Minneapolis, Minn.
Price G. W. Pump & Engine Co., 1350 Folsom, San Francisco, Cal.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Yeomans Bros. Co., 1436 Dayton, Chicago, Illinois *See adv index at end of book*

11917—Pumps (Private Water Works)

Aldrich Pump Co., foot of Pine, Allentown, Pa.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Barnes Mfg. Co., 700H N Main, Mansfield, Ohio.
Bingham Pump Co. ("Bingham"), 481 Hawthorne av, Portland, Ore.
Byron Jackson Iron Works, Sharon bldg, San Francisco, Cal.
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
DEMING CO., Salem, O.
See adv index at end of book
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Fort Wayne Engng. & Mfg. Co., Ft. Wayne, Ind.
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Hayton Pump & Blower Co., Appleton, Wisconsin
Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*
Keystone Driller Co., Beaver Falls, Pa.
See adv index at end of book
Lawrence Machine Co. ("Lawrence" Centrifugal), 42 Market, So. Lawrence, Mass. *See adv index at end of book*
Lawrence Pump & Engine Co. ("Vortex"), Lawrence, Mass.
Layne & Bowler Corp., 900 Santa Fe av, Los Angeles, Cal.
See adv index at end of book
McGowan John H. Co., 2nd & Central av, Cincinnati, Ohio
Northern Fire Apparatus Co. 2422 Univ. av, S E, Minneapolis, Minn.
Peerless Pump Co. ("Peerless"), 826 Santa Fe av, Los Angeles, Cal.
Penna Pump & Compressor Co., Easton, Pa.
See adv index at end of book
Price G. W. Pump & Engine Co., 3150 Folsom, San Francisco, Cal.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Union Steam Pump Co., Battle Creek, Mich.
Vans Mfg. Co. ("Vans"), 519 N Church, Lodi, Cal.

11918— Pumps (Propeller)

Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Morris Machine Works, Baldwinsville, N. Y.
Union Steam Pump Co., Battle Creek, Mich.

11919—Pumps (Pulp Grinder)

Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
DEMING CO., Salem, O.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Gardner Governor Co., 23 Williams, Quincy, Ill.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Hayton Pump & Blower Co., Appleton, Wisconsin
Sterling Pump Works, Inc. ("Sterling"), 646 S California, Stockton, Cal.
Yeomans Bros. Co., 1436 Dayton, Chicago, Illinois *See adv index at end of book*

11920— Pumps (Quarry)

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Aldrich Pump Co., foot of Pine, Allentown, Pa.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Well Works, The, 110 N Broadway, Aurora, Ill.
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Boyts Porter Co., Dept H, Connellsville, Pa.
Byron Jackson Iron Works, Sharon bldg, San Francisco, Cal.
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
DEMING CO., Salem, O.
See adv index at end of book
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Ellicott Machine Corp., 1111 Bush, Baltimore, Md.
See adv index at end of book
Emerson Pump & Valve Co. ("Emerson"), Dept H, Alexandria, Va.

(Continued on following page)

Pumps (Quarry)—Continued

Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Fairbanks Morse & Co., 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*
McGowan John H. Co., 2nd & Central av, Cincinnati, Ohio
Novo Engine Co. ("Novo"), Lansing, Mich.
Pennsylvania Pump & Compressor Co., Easton, Pa.
See adv index at end of book
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Union Steam Pump Co., Battle Creek, Mich.
Vogt Bros. Mfg. Co., Louisville, Ky.
Worthington Pump & Machy. Corp., 115 B'way, New York
Yeomans Bros. Co., 1436 Dayton, Chicago, Illinois *See adv index at end of book*

11921— Pumps (Railroad Force)

Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
DEMING CO., Salem, O.
See adv index at end of book
Northern Fire Apparatus Co. 2422 Univ. av, S E, Minneapolis, Minn.
U. S. Wind Engine & Pump Co. ("Curtis" Double Acting), Wilson & River, Batavia, Ill.

11921a— Pumps (Receiver)

ECONOMY PUMPING MACHY. CO., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Yeomans Bros. Co., 1436 Dayton, Chicago, Illinois *See adv index at end of book*

11922—Pumps (Reciprocating)

Allen & Billmyre Co. Inc. (Vacuum Pumps), Grand Central Palace, New York
See adv index at end of book
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Boyts Porter & Co., Dept H, Connellsville, Pa.
Buffalo Steam Pump Co., 490H B'way, Buffalo, N. Y.
Dorward Pump Co. (Deep Well), 417 Market, San Francisco, Cal.
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Fort Wayne Engng. & Mfg. Co., Ft. Wayne, Ind.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Hayton Pump & Blower Co., Appleton, Wisconsin
Hubbard Machine Co., 615H Howard, San Francisco, Cal.
Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*
McGowan John H. Co., 2nd & Central av, Cincinnati, Ohio
Midwest Engine Co., Indianapolis, Ind.
Plant Engng. & Equipt. Co., Inc., 11 John, New York
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Vogt Bros. Mfg. Co., Louisville, Ky.

11923—Pumps (Reclamation)

Aldrich Pump Co., foot of Pine, Allentown, Pa.
American Well Works, Aurora, Ill.
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
See adv index at end of book
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
Ellicott Machine Corp., 1111 Bush, Baltimore, Md.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*
Keystone Driller Co., Beaver Falls, Pa.
See adv index at end of book
Kimball Frank J. Co., Inc., 1860 E 15th, Los Angeles, Cal.
Pennsylvania Pump & Compressor Co., Easton, Pa.
See adv index at end of book
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Traylor Engineering & Manufacturing Co., Allentown, Pa.

11924—Pumps (Return Line Vacuum Heating)

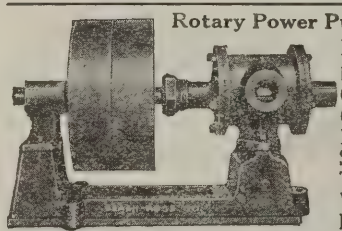
Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Beach-Russ Co., 38 Church, New York
See adv index at end of book
CROWELL MFG. CO. ("Crowell"), 321 Franklin av, Brooklyn, N. Y.
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foster Pump Works Inc., 37 Bridge, Brooklyn, N. Y.
Northern Fire Apparatus Co., 2422 Univ. av S E, Minneapolis, Minn.
Union Steam Pump Co., Battle Creek, Mich.
Vogt Bros. Mfg. Co., Louisville, Ky.

11925— Pumps (Rotary)

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Acme Pump & Tank Co., 19 W 44th, New York
ALLEN & BILLMYRE CO., INC., Grand Central Palace, New York
See adv index at end of book


Rotary Air Pumps of advanced design
Also Multi-stage Centrifugal Blowers and Exhausters.
ALLEN & BILLMYRE CO., Inc.
Engineers—Manufacturers
Grand Central Palace New York

Anniston Electric Steel Corp., Anniston, Ala.
Bagley & Sewall Co. (And Reciprocating), Watertown, N. Y.
Barnes & Fisher Mfg. Co. ("Typhon"), 2931 1st av S, Seattle, Wash.
Barnes Mfg. Co., Mansfield, O.
BEACH-RUSS CO., 38 Church, New York
See adv index at end of book


Rotary Power Pumps
For pumping Gasoline Oils Lard Soap Tar White Lead
BEACH-RUSS COMPANY
38 Church St. N. Y. City
Phone 0055 Cortland

Bingham Pump Co. ("Bingham"), 481 Hawthorne av, Portland, Ore.
Blackmer Rotary Pump Co., Petoskey, Mich.
California Pump & Machine Corp., 2668 Long Beach av, Los Angeles, Cal.
Century Pump Co., 719 6th, Brooklyn, N. Y.
Chemical Equipment Co., 2457 So. Western av, Chicago, Ill.
Chicago Pump Co., 2342 Wolfram, Chicago, Ill.
Connersville Blower Co. (Positive Pressure Gas), Dept. H, Connersville, Ind.
DEMING CO., Salem, O.
See adv index at end of book
Diamond Machine Co., Monongahela, Pa.
Douglas W. & B., Middletown, Conn.
Dow-Herriman Co. ("Roplex"), H Rialto bldg, San Francisco, Cal.
FAIRBANKS, MORSE & CO. (Force, etc.), 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foster Pump Works Inc. (Also Rotary Handle), 37 Bridge, Brooklyn, N. Y.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Henion & Hubbell, 219 N Jefferson, Chicago, Ill.
Holyoke Machine Co., Holyoke, Mass.
Humphryes Mfg. Co. (Garage), Mansfield, Ohio
Hunt Rodney Mach. Co. (Fire), Orange, Mass.
Hydraulic Press Mfg. Co. (Hydraulic), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book
Leader-Trahern Co. ("Trahern"), Rockford, Ill.
Lipman Refrigerator Car & Mfg. Co., Beloit, Wis.
Lobee Pump & Machine Co., East Buffalo, N. Y.
McGowan John H. Co., 2nd & Central av, Cincinnati, Ohio
Nash Engineering Co. ("Nash" Hydro-Turbine), South Norwalk, Conn.
Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn.
Pittsburgh Machine Tool Co. ("Curtis" Mine), Braddock, Pa.
Premier Machinery Co., 310 Sansome, San Francisco, Cal.
See adv index at end of book
Quimby Wm. E., Inc., 209 Parkhurst, Newark, N. J.
Rose, Bateman Pump Co., 414 Bulard bldg, Los Angeles, Cal.
Ross Chas. & Son Co. ("Ross" for White Lead & Putty), 148 Classon av, Brooklyn, N. Y.
Rumsey Pump Co. (Ltd.) (Force, Fire & Oil Service), P. O. Box J, Seneca Falls, N. Y. *See adv index at end of book*
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book
Taber Pump Co. (Beer Circulating & Racking, etc), 291 Elm, Buffalo, N. Y.
Trimount Rotary Power Co. ("Trimount" Hand & Power), 286 Whiting av, Boston, Mass.
Twinvolute Pump & Mfg. Co. ("Twinvolute"), 55 William, New York
Union Tool Co., Torrane, Cal.
U. S. Bottlers' Machinery Co. ("U. S." Bronze), 4015 N Rockwell av, Chicago, Ill.
Ward-Love Pump Corp., 716 Race, Rockford, Ill.
YEOMANS BROS. CO., 1436 Dayton, Chicago, Ill. *See adv index at end of book*

Pumps (Rotary Oil)

See Pumps, Oil Rotary

11926—Pumps (Rotative Dry Vacuum)

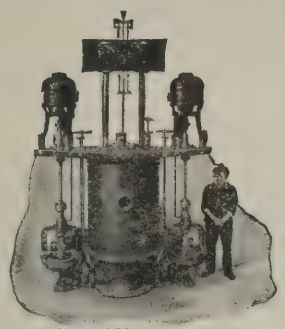
Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Allen & Billmyre Co. Inc., Grand Central Palace, New York
See adv index at end of book
Beach-Russ Co., 38 Church, New York
See adv index at end of book
CROWELL MFG. CO. ("Crowell"), 321 Franklin av, Brooklyn, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Union Steam Pump Co., Battle Creek, Mich.
Worthington Pump & Machy. Corp., 115 B'way, New York

11927—Pumps (Sand Feed, Stone Sawing)

Frenier & Son, Rutland, Vt.

11928—Pumps (Sand & Dredging)

Aldrich Pump Co., ft. of Pine, Allentown, Pa.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Well Works, The, 110 N Broadway, Aurora, Ill.
See adv index at end of book
Bennett. W H K., 20 E Jackson blvd, Chicago, Ill.
Buffalo Steam Pump Co., Buffalo, N. Y.
Byron Jackson Iron Works, Sharon bldg, San Francisco, Cal.
California Pump & Machine Corp., 2668 Long Beach av, Los Angeles, Cal.
ELLICOTT MACHINE CORP., 1111 Bush, Baltimore, Md.
See adv index at end of book
ERIE PUMP & ENGINE WORKS ("Erie") 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Fort Worth Well Machy. & Supply Co. (Sand for Cleaning Out), Fort Worth, Tex.
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Hendy Joshua Iron Works (Spiral Sand Pumps), 75 Fremont, San Francisco, Cal.
Jennings Pump & Dredge Co., 130 N Dearborn, Chicago, Ill.
Kansas City Hay Press Co. ("Lightning" Pump, Sand Only), ft. of 4th St. Viaduct, Kansas City, Mo.



YEOMANS EJECTOR

SEWAGE EJECTORS and PUMPING MACHINERY

YEOMANS Centrifugal Ejectors, Bilge Pumps, House Pumps, Condensation Return Pumps.
Shone Pneumatic Ejector.
Sewage Pumping Plants for Municipalities, City Buildings, Subways, Industrial Plants.
Recent Installations: Illinois Merchants Bank Building, Straus Bldg., Union Station, Chicago; City of Milwaukee, Wis.; New York Stock Exchange, N. Y.; City of Cleveland, Cleveland, Ohio.



SHONE EJECTOR

YEOMANS BROS. CO., 1436 Dayton St., Chicago

Send for Bulletins

Kingsford Foundry & Machine Works (Belt of Engine Driven, etc), Oswego, N. Y.
Krogh Pump & Machinery Co., 147 Beale, San Francisco, Cal.
Larkin & Co. ("Palm's" Combination Sand Pump & Butler, "Larkin" Improved Sand Pump), Butler, Pa.
Lawrence Pump & Engine Co. ("Vortex" Belt & Engine Driven), Lawrence, Mass.
Midwest Engine Co., Indianapolis, Ind.
MORRIS MACHINE WORKS, Baldwinsville, N. Y.
Norbom Engineering Co. (Dredging), 5th & P. R R, Phila., Pa.
Nye Steam Pump & Machinery Co., 701 N Western av, Chicago, Ill.
Penna. Pump & Compressor Co., Easton, Pa.
See adv index at end of book
PRICE G. W. PUMP & ENGINE CO., 1350 Folsom, San Francisco, Cal.
Pulsometer Steam Pump Co., 220 W 42nd, New York
Schramm, Inc., West Chester, Pa.
Strait H. N. Mfg. Co., Kansas City, Kans.
Taylor-Wharton Iron & Steel Co. (Hydraulic), High Bridge, N. J.
Traylor Engng. & Mfg. Co., Allentown, Pa.
Union Steam Pump Co., Battle Creek, Mich.
United Iron Works, Oakland, Cal.
Van Wie Pump Co., 715 W Fayette, Syracuse, N. Y.
YUBA MFG. CO., 433 California, San Francisco, Calif.

11929— Pumps (Screw)

Allis Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Byron Jackson Iron Works, Sharon bldg, San Francisco, Cal.
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Midwest Engine Co., Indianapolis, Ind.
Wis.
Quimby, Wm. E. Inc., 209 Parkhurst, Newark, N. J.

Pumps (Self-Measuring)

See Pumps, Oil, Self-Measuring

11930—Pumps (Service & Drip)

American Steam Pump Co. ,Battle Creek, Mich.
Economy Pumping Machine Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Gardner Governor Co., 23 Williams, Quincy, Ill.
Phoenix Meter Co., Camden, N. J.
Yeomans Bros. Co., 1436 Dayton, Chicago, Illinois *See adv index at end of book*

11931— Pumps (Sewage)

Advance Jump & Compressor Co., Flint & Division Battle Creek, Mich.
Aldrich Pump Co., ft. of Pine, Allentown, Pa.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Cement Machine Co., Keokuk, Ia.
American Well Works, The, 110 N Broadway, Aurora, Ill.
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Barnes Mfg. Co., 700H N Main, Mansfield, Ohio
Buffalo Steam Pump Co., Buffalo, N. Y.
Byron Jackson Iron Works, Sharon bldg, San Francisco, Calif.
CHICAGO PUMP CO., 2342 Wolfram, Chicago, Ill.
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
DEMING CO., Salem, O.
See adv index at end of book
Du Bois Iron Works, Du Bois. Pa.
Earle Gear & Machine Co., 4707 Stenton, Phila., Pa.
ECONOMY PUMPING MACHY. CO., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Edson Mfg. Co. ("Edson"), 257 Atlantic av, Boston, Mass.
ELLICOTT MACHINE CORP., 1111 Bush, Baltimore, Md.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
Latta-Martin Pump Co., Hickory, N. C.
Lobee Pump & Machinery Co., East Buffalo, N. Y.
McGowan John H. Co., 2nd & Central av, Cincinnati, Ohio
Midwest Engine Co., Indianapolis, Ind.
Morris Machine Works, Baldwinsville, N. Y.
Novo Engine Co. ("Novo"), Lansing, Mich.
Pennsylvania Pump & Compressor Co., Easton, Pa.
See adv index at end of book
Price G. W. Pump & Engine Co., 1350 Folsom, San Francisco, Cal.
Priestman Albert ("Priestman"), 328 Chestnut, Philadelphia, Pa.
Quimby Wm. E., Inc., 209 Parkhurst, Newark, N. J.
Traylor Engng. & Mfg. Co., Allentown, Pa.
Twinvolute Pump & Mfg. Co. ("Twinvolute"), 55 William, New York
Union Steam Pump Co., Battle Creek, Mich.
Worthington Pump & Machy. Corp., 115 Broadway, New York
YEOMANS BROS. CO., 1436 Dayton, Chicago
See adv index at end of book

11932—Pumps (Ship & Deck)

American Steam Pump Co., Battle Creek, Mich.
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Barnes Mfg. Co., Mansfield, O.
Bethlehem Shipbuilding Corporation, Ltd., (and yacht), Bethlehem, Pa.
Bishop's Wm. Sons (Brass Deck Fire), 18 James, New York
Columbiana Pump Co., Columbiana. O.
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
DEMING CO. ("Triumph"), Salem, O.
See adv index at end of book
Douglas W. & B., Middletown, Conn.
Edson Mfg. Corp. ("Edson"), 375H Broadway, Boston, Mass.
Emerson Pump & Valve Co. ("Emerson"), Dept H, Alexandria, Va.
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foster Pump Works Inc., 37 Bridge, Brooklyn, N. Y.
Garrott W. T. & Co. ("Hooker"), 299 Fremont, San Fransisco, Cal.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Humphryes Mfg. Co., Mansfield, O.
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
McGowan John H. Co., 2nd & Central av, Cincinnati, Ohio
Marine Mfg. & Supply Co, 158 South, New York
Midwest Engine Co. (& Yacht) Indianapolis, Ind.
Murray Bros. Machine Works, 231-233 Folsom, San Francisco, Cal.
Myers F. E. & Bro. Co. (Century Defiance Handy Bill"), 950 Orange, Ashland, Ohio
See adv index at end of book
Northern Fire Apparatus Co., 2422 Univ. av S E, Minneapolis, Minn.
Price G. W. Pump & Engine Co., 1350 Folsom, San Francisco, Cal.
Rumsey Pump Co. (Ltd.), Box J, Seneca Falls, N. Y.
See adv index at end of book
Sands Alfred B. & Son Co., 20 Vesey, New York
Union Steam Pump Co., Battle Creek, Mich.
Van Duzen, E. W. Co (Steam Jet), 428 E 2d, Cincinnati, O.
Vogt Bros. Mfg. Co., Louisville, Ky.

11933— Pumps (Sinking)

Aldrich Pump Co. (Electrical, Vertical, Triplex, etc.), ft. of Pine, Allentown, Pa.
American Steam Pump Co., Battle Creek, Mich.
American Well Works, The, 110 N Broadway, Aurora, Ill.
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Boyts, Porter & Co., Connellsville, Pa.
Buffalo Steam Pump Co., Buffalo, N. Y.
Byron Jackson Iron Works, Sharon bldg, San Francisco, Calif.
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
ECONOMY PUMPING MACHY. CO., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Garrott W. T. & Co. ("Garrott" Jack Head Plunger for Pumps), 299 Fremont, San Francisco, Cal.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Hall Steam Pump Co. ("Hall"), 213 Galveston, Pittsburgh, Pa.
Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.
Ingersoll-Rand Co., 11 Broadway, New *See adv index at end of book*
Krogh Pump & Machy Co., 147 Beale, San Francisco, Cal.
Layne & Bowler Corp., 900 Santa Fe av, Los Angeles, Cal.
See adv index at end of book
Luitwieler Pumping Engine Co., Rochester, N. Y.
National Steam Pump Co., Upper Sandusky, O.
Peerless Pump Co. ("Peerless"), 826 Santa Fe av, Los Angeles, Cal.

(Continued on following page)

Pumps (Sinking)—Continued

Penna. Pump & Compressor Co., Easton, Pa.
See adv index at end of book
Price G. W. Pump & Engine Co., 1350 Folsom, San Francisco, Cal.
Traylor Engng. & Mfg. Co., Allentown, Pa.
Union Iron Works Co., 20th & Michigan, San Francisco, Cal.
Union Steam Pump Co., Battle Creek, Mich.
Vogt Bros. Mfg. Co., Louisville, Ky.

11934— Pumps (Size)

Cohoes Iron Foundry & Machine Co., Cohoes, N. Y.
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Jolly J. & W., Inc., Holyoke, Mass.
Saco-Lowell Shops (Hydraulic), 77 Franklin, Boston, Mass.

11935— Pumps (Slip)

Crossley Machine Co., (For Clay, etc), State & Chestnut av, Trenton, N. J.
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.

11936— Pumps (Slurry)

Aldrich Pump Co., ft. of Pine, Allentown, Pa.
Allis Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Traylor Engng. & Mfg. Co., Allentown, Pa.

11937— Pumps (Slush)

Aldrich Pump Co. (Electric, Vertical, Triplex, etc), ft. of Pine, Allentown, Pa.
Cincinnati Rubber Mfg. Co. (Sleeves), Norwood, Cincinnati, Ohio
See adv index at end of book
ECONOMY PUMPING MACHY. CO., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foster Pump Works Inc., 37 Bridge, Brooklyn, N. Y.
Herron R. H. Co., 934H N Alameda, Los Angeles, Cal.
Kimball Frank J. Co., Inc., 1860 E 15th, Los Angeles, Cal.
NATIONAL TRANSIT PUMP & MACHINE CO., Oil City, Pa.
See adv index at end of book
Okell Well Machinery Co. (Oil Well), 151 N Los Angeles, Los Angeles, Cal.
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Traylor Engng. & Mfg. Co., Allentown, Pa.
Union Steam Pump Co., Battle Creek, Mich.
Union Tool Co. ("Ideal"), Torrance, Cal.
Vogt Bros. Mfg. Co., Louisville, Ky.
Worthington Pump & Machinery Corp., 115 B'way, New York
Yeomans Bros. Co., 1436 Dayton, Chicago, Illinois *See adv index at end of book*

11938— Pumps (Soapmakers')

American Steam Pump Co., Battle Creek, Mich.
Chemical Equipment Co., 2457 So Western av, Chicago, Ill.
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foster Pump Works Inc., 37 Bridge, Brooklyn, N. Y.
Lobee Pump & Machy. Co. ("Lobee"), Buffalo, N. Y.
Northern Fire Apparatus Co., 2422 Univ av S E, Minneapolis, Minn.
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Quimby, Wm. E. Inc., 209 Parkhurst, Newark, N. J.
Union Steam Pump Co., Battle Creek, Mich.
Vogt Brothers Mfg. Co., Louisville, Ky.
Yeomans Bros. Co., 1436 Dayton, Chicago, Illinois *See adv index at end of book*

11938a— Pumps (Soda)

De Laval Steam Turbine Co. (Centrifugal) E. Trenton, N. J.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Hayton Pump & Blower Co., Appleton, Wisconsin
Yeomans Bros. Co., 1436 Dayton, Chicago, Illinois *See adv index at end of book*

11939— Pumps (Spray)

Albert Lea Sprayer Co., Albert Lea, Minn.
Allen & Billmyre Co. Inc., Grand Central Palace, New York
See adv index at end of book
American Steam Pump Co., Battle Creek, Mich.
Baltimore Cooperage Co., Ostend & Leadenhall, N. Baltimore, Md.
Barnes Mfg. Co., 700H N Main, Mansfield, Ohio
Bateman Mfg. Co. ("Iron Age"), Grenloch, N. J.
Bean Spray Pump Co., W Julian, San Jose, Cal.
BINKS SPRAY EQUIPMENT CO., 3129 Carroll av, Chicago, Ill.
Brown E. C. Co. ("Auto Spray"), Rochester, N. Y.
Bushnell Pump Co., Bushnell, Ill.
Campbell-Hausfield Co. ("Paragon"), Harrison, Ohio
Columbiana Pump Co., Columbiana, O.
Dayton Mfg. Co., Dayton, O.
DEMING CO. (Cart, Tank & Power Spray Pumps), Salem, O.
See adv index at end of book
Douglas W. & B., Middletown, Conn.
Eureka Mower Co., 1005H Hickory, Utica, N. Y.
FAIRBANKS, MORSE & CO. ("Typhoon"), 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Field Force Pump. Co. ("Empire King," "Garfield," "Knapsack," "Wooster," "New Watson," "Yellow Jacket," "Red Jacket," "Empire Leader," "Junior Leader," "Senior Leader," "Royal Leader" Potato Sprayer), Dept. H, Elmira, N. Y.
Fitzhenry-Guptill Co. (Power), 135 1st, Cambridge, Mass.
Flater H. & Son, Findlay, O.
Friend Mfg. Co. (Hand), Gasport, N. Y.
Gardner Governor Co., 23 Williams, Quincy, Ill.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Guarantee Engng. & Mach. Co. ("G. E. & M. Co."), 1001H N Main, Los Angeles, Cal.
Hardie Mfg. Co., Hudson, Mich.
Hayes Pump & Planter Co. ("Hayes" Hand & Power), Galva, Ill.
Hess, Snyder Co. ("Novelty"), Massillon, Ohio
Hudson Mfg. Co. 324 3rd av N, Minneapolis, Minn.
Humphryes Mfg. Co., Mansfield, O.
Judd & Leland Mfg. Co. ("Cyclone," "Little Wonder," "Tornado," "Little Grand"), Clifton Springs, N. Y.
Koenigkramer F. F. (For Trees, Whitewashing & Water Painting), 1906 Kox, Cincinnati, Ohio
Latham & Co., Sandusky, O.
Lauson-Lawton Co., De Pere, Wis.
LAWRENCE MACHINE CO. ("Lawrence" Centrifugal), 42 Market, South Lawrence, Mass.
See adv index at end of book
Lawrence Pump & Engine Co. ("Vortex"), Lawrence, Mass.
Lowell Specialty Co., Lowell, Mich.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
Mast, Foos & Co. ("Buckeye"), Springfield, O.
Morrill & Morley Mfg. Co. ("Eclipse" & "Eureka"), Benton Harbor, Mich.
Myers F. E. & Bro. Co. ("Little Giant," "Imperial," Cog Gear Bucket, "Myers Improved," "Myers Mandy," "Myers O. K.," "Myers Panama," "Myers Perfect," "Myers," whitewashing or painting machine, "Myers" Hydraulics, "Myers" Cog Chain, "Myers Century," "Myers Pitman" Power, "Myers" Back Geared, "Myers" Fountain, "Myers Faultless," "Defiance" Double Cylinder & Cog Gear, "Duplex" & Triplex Automatic), 950 Orange, Ashland, O.
See adv index at end of book
New Favorite Mfg. Co. ("Favorite"), 183 W Maple, Columbus, O.
Niagara Sprayer Co., Middleport, N. Y.
Northern Fire Apparatus Co., 2422 Univ. av, Minneapolis, Minn.
Orchard Machinery Mfg. Co. ("Gamo Triplex" Orchard), Gasport, N. Y.
Peppler Thos. Son & Co. ("Perfection" Sprayers), Hightown, N. J.
Pontiac Tractor Co. (Power), Pontiac, Mich.
Potato Implement Co. (Knapsack Sprayers Atomizers & Powder Guns), Traverse City, Mich.
Red Cross Mfg. Co., Bluffton, Ind.
Rippley Mfg. & Steel Boat Co. (Sprayers), Grafton, Ill.
Rochester Spray Pump Co. ("W. & R."), Rochester, N. Y.
Rome Bicycle Mfg. Co., Rome, N. Y.
Rumsey Pump Co. (Ltd.), (Force), Box J, Seneca Falls, N. Y.
See adv index at end of book
Smith D. B. & Co., Utica, N. Y.
Stahl Wm. Sprayer Co. ("Excelsior" Gas Engine Power), Quincy, Ill.
Standard Stamping Co., 1st & 7th av, Huntington, W. Va.
Termaat & Monahan Mfg. Co. (Spraying Outfits), Oshkosh, Wis.
Union Steam Pump Co. (Fruit Spraying), Battle Creek, Mich.
Ward-Love Pump Corp. ("Warlo" Orchard Power Sprayers), 716 Race, Rockford, Ill.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

11940—Pumps (Spray, Barrel)

Barnes Mfg. Co., Mansfield, O.
Bateman Mfg. Co. ("Iron Age"), Grenloch, N. J.
Bean Spray Pump Co., San Jose, Cal.
Bushnell Pump Co., Bushnell, Ill.
Campbell-Hausfeld Co. ("Paragon"), Harrison, Ohio
Columbiana Pump Co., Columbiana, O.
DEMING CO. ("Captain," "Century," "Major"), Salem, O.
See adv index at end of book
Douglas W. & B. ("Arlington," "Saybrook"), Middletown, Conn.
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Field Force Pump Co. ("Empire King," "Junior Empire"), Elmira, N. Y.
Friend Mfg. Co., Gasport, N. Y.
Goulds Mfg. Co. ("Fruitall," "Pomena"), 71 W Fall, Seneca Falls, N. Y.
See adv index at end of book
Hardie Mfg. Co., Hudson, Mich.
Hayes Pump & Planter Co. ("Hayes"), Galva, Ill.
Humphryes Mfg. Co., Mansfield, O.
Hudson Mfg. Co., 324 3rd av N, Minneapolis, Minn.
LeRoy Plow Co., LeRoy, N. Y.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Mast, Foos & Co. ("Buckeye"), Springfield, O.
Morrill & Morley Mfg. Co., Benton Harbor, Mich.
MYERS F. E. & BRO. CO. ("Myers," "Century," Perfect" Cog Gear), 950 Orange, Ashland, Ohio
See adv index at end of book
Rochester Spray Pump Co., Rochester, N. Y.
Rumsey Pump Co. (Ltd.) Box J, Seneca Falls, N. Y.
See adv index at end of book
Smith D. B. & Co. ("Lightning" & "Yankee"), Utica, N. Y.
Stahl Wm. Sprayer Co. ("Excelsior"), Quincy, Ill.
Ward-Love Pump Corp., 716 Race, Rockford, Ill.

11941—Pumps (Spray, Bucket)

Barnes Mfg. Co. ("Perfection"), Mansfield, O.
Bateman Mfg. Co. ("Iron Age"), Grenloch, N. J.
Bushnell Pump Co., Bushnell, Ill.
DEMING CO. ("Perfect Success," "Prize," "Success"), Salem, O.
See adv index at end of book
Douglas W. & B. ("Aquapeller," "Aqua Jack," "Gardener," "Aquapult," "Aquarius"), Middletown, Conn.
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Goulds Mfg. Co. ("Bordeau"), 71 W Fall, Seneca Falls, N. Y.
See adv index at end of book
Hardie Mfg. Co., Hudson, Mich.
Humphryes Mfg. Co., Mansfield, O.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
MYERS F. E. & BRO. CO. ("Defiance," Imperial," "Little Giant," "Perfect" Cog Gear Lever), 950 Orange, Ashland, Ohio
Rochester Spray Pump Co., Rochester, N. Y.
Smith D. B. & Co. ("Lightning"), Utica, N. Y.
Stahl Wm. Sprayer Co. ("Excelsior"), Quincy, Ill.

11942— Pumps (Station)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Boyts Porter & Co., Dept. H, Connellsville, Pa.
California Pump & Machine Corp., 2668 Long Beach av, Los Angeles, Cal.
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foster Pump Works Inc., 37 Bridge, Brooklyn, N. Y.
Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*
Northern Fire Apparatus Co., 2422 Univ. av S E, Minneapolis, Minn.
Pennsylvania Pump & Compressor Co., Easton, Pa.
Union Steam Pump Co., Battle Creek, Mich.
See adv index at end of book
Vogt Bros. Mfg. Co., Louisville, Ky.
Yeomans Bros. Co., 1436 Dayton, Chicago, Illinois *See adv index at end of book*

11943— Pumps (Steam)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.

Allis-Chalmers Mfg. Co. (Municipal, Industrial or Private Water Supply, Hydraulic Pressure, etc.), Milwaukee, Wis.
See adv index at end of book
American Steam Pump Co., Battle Creek, Mich.
Amer. Well & Prospecting Co., Corsicana, Tex.
American Well Works, Aurora, Ill.
Anderson Mach. & Fdry. Co., Anderson, S. C.
Bethlehem Shipbuilding Corporation, Ltd., Bethlehem, Pa.
Blake & Knowles Steam Pump Wks., 115 B'way, New York
Blakeslee Mfg. Co., DuQuoin, Ill.
Boyts Porter & Co. ("Yough"), Connellsville, Pa.
Buffalo Steam Pump Co., Buffalo, N. Y.
Burton & Johnson Co., 2301 Center av, Cleveland, O.
Byron Jackson Iron Works, Sharon bldg, San Francisco, Calif.
Cardwell Machine Co., 1900 E. Cary, Richmond, Va.
Chalmers Pump & Mfg. Co., Lima, Ohio
Connellsville Machine & Car Supply Co. ("Lafayette"), Connellsville, Pa.
Connersville Blower Co., Dept. H, Connersville, Ind.
Cook August D. (Deep Well), Lawrenceburg, Ind.
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Crawford & McCrimmon Co., Brazil, Ind.
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
Dow Pump & Diesel Engine Co., Dept H, Alameda, Cal.
Du Bois Iron Works ("Simplex"), Du Bois, Pa.
Edwards Jos. & Co., 827 E. 9th, New York
Emerson Pump & Valve Co. ("Emerson" Steam Vacuum), Alexandria, Va.
Evans C. H. & Co. ("Thomson & Evans"), 187 Fremont, San Francisco, Cal.
FAIRBANKS, MORSE & CO., 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foster Pump Works Inc., 37 Bridge, Brooklyn, N. Y.
Fritz Geo. J. Foundry & Machine Co. (Brewers' Steam Air), 2018 S 3d, St. Louis, Mo.
Furness Bros. Co., 1613 Walnut, Chicago, Ill.
Gardner Governor Co., 23 Williams, Quincy, Ill.
Garratt W. T. & Co., 299 Fremont, San Francisco, Cal.
GODFREY KEELER CO., 70 Warren, N. Y.
Goyne Steam Pump Co., Ashland, Pa.
Grant Iron Works, Mahanoy City, Pa.
Great Lakes Engng. Works, Real Estate Exch bldg, Detroit, Mich.
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
GUILD & GARRISON, 463 Kent av, Brooklyn, N. Y.
Hall Steam Pump Co. ("Hall"), 213 Galveston, Pittsburgh, Pa.
Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.
Henion & Hubbell, 219 N. Jefferson, Chicago, Ill.
Herron R. H. Co., 934H N Alameda, Los Angeles, Cal.
Hooker Steam Pump Wks., 318 Granite bldg, St. Louis, Mo.
Hydraulic Press Mfg. Co. ("H. P. M." High Pressure Hydraulic), 24 Lincoln av, Mount Gilead, Ohio
See adv index at end of book
Indiana Air Pump Co., Indiana Pythian bldg, Indianapolis, Ind.
Ingersoll-Rand Co., 11 Broadway, New York
See adv index at end of book
Jamieson M. W. & Co., Warren, Pa.
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
Jersey City Machine Co., 113 Plymouth, Jersey City, N. J.
Johnson John Co., 37th & 2nd av, Brooklyn, N. Y.
KEYSTONE DRILLER CO. ("Downie"), Beaver Falls, Pa.
See adv index at end of book
Keystone Iron Works, 37th & Santa Fe av, Los Angeles, Cal.
Kinsford Foundry & Machine Wks., Oswego, N. Y.
Luitwieler Pumping Engine Co., Rochester, N. Y.
McGowan John H. Co., 2nd & Central av, Cincinnati, Ohio
Mackintosh-Hemphill Co., 12th & Etna, Pittsburgh, Pa.
Manistee Iron Works Co. (Marine), Manistee, Mich.
Metalwood Mfg. Co., Lieb & Wight, Detroit, Mich.
Midwest Engine Co. (High Duty), Indianapolis, Ind.
MORRIS MACHINE WORKS, Baldwinsville, N. Y.
Mt. Carmel Iron Works, Mt. Carmel, Pa.
National Foundry & Machine Co. ("Reilly"), Louisville, Ky.
National Steam Pump Co. (High Duty), Upper Sandusky, O.
NATIONAL TRANSIT PUMP & MACHINE CO., Oil City, Pa.
See adv index at end of book
Norbery Mfg. Co., Chicago & Oklahoma, Milwaukee, Wis.
Northwestern Iron Works (Marine), Seattle, Wash.
Nye Steam Pump & Machinery Co., 701 N Western av, Chicago, Ill.
Ocean Shore Iron Wks., 550 8th, San Francisco, Cal.
Pattin Bros. Co., Marietta, O.
Penna. Pump & Compressor Co., Easton, Pa.
See adv index at end of book
Plant Engineering & Equipment Co. Inc. ("Wagener"), 192H B'way, New York
PLATT IRON WORKS, Dayton, Ohio
See adv index at end of book
Pratt Engineering & Machine Co., Atlanta, Ga.
Prescott Co., Menominee, Mich.
Prescott Fred M. Steam Pump Co., 115 B'way, New York
Pulsometer Steam Pump Co., 220 W 42nd, New York
Quimby, Wm. E. Inc., 209 Parkhurst, Newark, N. J.
Reilly Steam Pump Works, Louisville, Ky.
Rodgers Iron Mfg. Co., Muskegon, Mich.
Schramm, Inc., West Chester, Pa.
Scranton Pump Co., Scranton, Pa.
Smedley Pump Co., Dubuque, Ia.
Southwark Fdry. & Mach. Co., 1128 S 4th, Phila., Pa.
See adv index at end of book
Union Iron Works Co., 20th & Michigan, San Francisco, Cal.
Union Steam Pump Co. ("Moore," "Burnham," "Union"), Battle Creek Mich.
Van Duzen E. W. Co. (Jets), 428 E 2d, Cincinnati, O.
Virginia Foundry & Machine Co. ("Osborn"), Virginia, Minn.
Vogt Bros. Mfg. Co., Louisville, Ky.
Wagener Steam Pump Co., Canton, O.
Walker Mfg. Co., Fenton, Mich.
Warren Steam Pump Co., Warren, Mass.
Weinman Pump Mfg. Co., 300 Spruce, Columbus, O.
Wheeler C. H. Mfg. Co., Lehigh & N. 18th, Phila., Pa.
Wheeler Condenser & Engineering Co., W Carteret, N. J.
Worthington Pump & Machy. Corp. (High or Low Pressure), 115 Broadway, New York
Zelnicker Walter Supply Co. (Dealer), 325 Locust, St. Louis, Mo.

11944—Pumps (Steam Turbine)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Byron Jackson Iron Works, Sharon bldg, San Francisco, Cal.
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
DE LAVAL STEAM TURBINE CO. (Centrifugal), East Trenton, N. J.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Hayton Pump & Blower Co., Appleton, Wisconsin
Northern Fire Apparatus Co., 2422 Univ. av S E, Minneapolis, Minn.
Pennsylvania Pump & Compressor Co., Easton, Pa.
See adv index at end of book
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Union Steam Pump Co., Battle Creek, Mich.
Wheeler Condenser & Engineering Co. (Drive), West Carteret, N. J.

Pumps (Stuff)

See Pumps, Fan & Stuff

11945—Pumps (Suction Box)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Allen & Billinyre Co. Inc. (Rotary & Centrifugal types), Grand Central Palace, New York
See adv index at end of book
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Nash Engineering Co. ("Nash" Hydro-Turbine), South Norwalk, Conn.
Worthington Pump & Machy. Corp., 115 B'way, New York

11946-7—Pumps (Sugar House)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
Aldrich Pump Co., ft. of Pine, Allentown, Pa.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Steam Pump Co., Battle Creek, Mich.
American Well Works, The, 110 N Broadway, Aurora, Ill.
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Byron Jackson Iron Works, Sharon bldg, San Francisco, Cal.
Chalmers Pump & Mfg. Co., Lima, Ohio
Dayton-Dowd Co. ("Dayton-Dowd") Quincy, Ill.
See adv index at end of book
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
DEMING CO., Salem, O.
See adv index at end of book
Du Bois Iron Works, Du Bois, Pa.
ECONOMY PUMPING MACHINE CO., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foster Pump Works Inc., 37 Bridge, Brooklyn, N. Y.
Fulton Iron Works Co., 1259 Delaware av, St. Louis, Mo.
Gardner Governor Co., 23 Williams, Quincy, Ill.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
GUILD & GARRISON, 463 Kent av, Brooklyn, N. Y.
Haubtman & Loeb Co., Ltd., 618 Magazine, New Orleans, La.
Ingersoll-Rand Co., 11 Broadway, New York
See adv index at end of book
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
Krajewski-Peasant Corp., 227 Fulton, New York
Leader Trahern Co. ("Trahern"), Rockford, Ill.
Lobee Pump & Machinery Co., East Buffalo, N. Y.
Los Angeles Valveless Pump Co., 316 E 3rd, Los Angeles, Cal.
McGowan John H. Co., 2nd & Central av, Cincinnati, Ohio
Mackintosh-Hemphill Co., 12th & Etna, Pittsburgh, Pa.
Midwest Engine Co., Indianapolis, Ind.
Morris Machine Works, Baldwinsville, N. Y.
Northern Fire Apparatus Co., 2422 Univ. av S E, Minneapolis, Minn.
Pennsylvania Pump & Compressor Co., Easton, Pa.
See adv index at end of book
Pioneer Iron Wks., 149 Pioneer, Bklyn, N. Y.
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Roots P. H. & F. M. Company, Connersville, Ind.
Rumsey Pump Co. (Ltd.), Box J, Seneca Falls, N. Y.
See adv index at end of book
Squier Geo. L. Mfg. Co., Buffalo, N. Y.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Union Steam Pump Co., Battle Creek, Mich.
Vogt Bros. Mfg. Co., Louisville, Ky.
Worthington Pump & Machy. Corp., 115 Broadway, New York
Yeomans Bros. Co., 1436 Dayton, Chicago, Illinois *See adv index at end of book*

Pumps (Sulphur Fume)

See Pumps, Centrifugal

11948— Pumps (Syphon)

Barnes Mfg. Co., Mansfield, O.
Challenge Co., Batavia, Ill.
Chaplin-Fulton Mfg. Co., 34 Penn av, Pittsburgh, Pa.
DEMING CO., Salem, O.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Flint & Walling Mfg. Co., Kendallville, Ind.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Humphryes Mfg. Co., Mansfield, O.
Myers F. E. & Bro. Co., ("Myers"), 950 Orange, Ashland, Ohio
See adv index at end of book
Schutte & Koerting Co., 1251 N 12th, Phila., Pa. *See adv index at end of book*

11949— Pumps (Syrup)

Aldrich Pump Co., ft. of Pine, Allentown, Pa.
California Pump & Machine Corp., 2668 Long Beach av, Los Angeles, Cal.
Chalmers Pump & Mfg. Co., Lima, Ohio
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
ECONOMY PUMPING MACHY. CO., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book

(Continued on following page)

Pumps (Syrup)—Continued

Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foster Pump Works Inc., 37 Bridge, Brooklyn, N. Y.
Gardner Governor Co., 23 Williams, Quincy, Ill.
McGowan John H. Co., 2nd & Central av, Cincinnati, Ohio
Northern Fire Apparatus Co., 2422 Univ. av S E, Minneapolis, Minn.
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Premier Machinery Co., 310 Sansome, San Francisco, Cal.
See adv index at end of book
Quimby, Wm. E., Inc., 209 Parkhurst, Newark, N. J.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Union Steam Pump Co., Battle Creek, Mich.
Vogt Bros. Mfg. Co., Louisville, Ky.

11950— Pumps (Tail)

Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
McGowan John H. Co., 2nd & Central av, Cincinnati, Ohio
Worthington Pump & Machy. Corp., 115 Broadway, New York

11951— Pumps (Tank)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Advance Pump & Compressor Co., **Flint** & Division, Battle Creek, Mich.
Aldrich Pump Co., ft. of Pine, Allentown, Pa.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Well Works, The, 110 N Broadway, Aurora, Ill.
American Steam Pump Co., Battle Creek, Mich.
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
Barnes Mfg. Co., Mansfield, O.
BEACH-RUSS Co., 38 Church, New York
See adv index at end of book
Blake Pump & Condenser Co., Fitchburg, Mass.
Blakeslee Mfg. Co., Du Quoin, Ill.
Bowser S. F. & Co., **Fort Wayne, Ind.**
Boyts Porter & Co., **Connellsville, Pa.**
Buffalo Steam Pump Co., 490H B'way, Buffalo, N. Y.
Bushnell Pump Co. (Tubular Well), Bushnell, Ill.
Butler Co., Butler, Ind.
Cedar Rapids Pump Co., Cedar Rapids Ia.
Chicago Pump Co., 2342 Wolfram, Chicago, Ill.
Columbiana Pump Co., Columbiana, O.
Davidson M. T. Co. 154 Nassau, New York.
Davis-Hansen Co., Oshkosh, Wis.
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
DEMING CO., Salem, O.
See adv index at end of book
Dempster Mill Mfg. Co., Beatrice, Neb.
Douglas W. & B., Middletown, Conn.
Du Bois Iron Works, Du Bois, Pa.
ECONOMY PUMPING MACHY. CO., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Flint & Walling Mfg. Co. ("Hoosier" Double Acting), Kendallville, Ind.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
Friend Mfg. Co., Gasport, N. Y.
Gardner Governor Co., 23 Williams, Quincy, Ill.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Hayes Pump & Planter Co. ("Hayes'), Galva, Ill.
Heller-Aller Co., Napoleon, O.
Humphryes Mfg. Co., Mansfield, O.
Ingersoll-Rand Co., 11 Broadway, New York
See adv index at end of book
Jennings Pump & Dredge Co, 180 N. Dearborn, Chicago, Ill.
Leader-Trahern Co. ("Trahern"), 707 S Main, Rockford, Ill.
Los Angeles Valveless Pump Co., 316 E 3rd, Los Angeles, Cal.
Love M. A. Mfg. Co. (Thresher, etc), Rockford Ill.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
McGowan John H. Co., 2nd & Central av, Cincinnati, Ohio
Mackintosh-Hemphill Co., 12th & Etna, Pittsburgh, Pa.
Manistee Iron Works Co., Manistee, Mich.
Mast, Foos & Co. ("Buckeye"), Springfield, O.
Midwest Engine Co., Indianapolis, Ind.
Morris Machine Works, Baldwinsville, N. Y.
Myers F. E. & Bro. Co. ("Myers" Low Down, "Myers Century" Low Down, "Myers Cog Gear Low Down, "Myers" Faultless Low Down and "Myers" Geared), 950 Orange, Ashland, Ohio
See adv index at end of book
National Steam Pump Co. (Low Duty), Upper Sandusky, O.
NATIONAL TRANSIT PUMP & MACHINE CO. ("Transit"), Oil City, Pa.
See adv index at end of book
Nott W. S. Co., 3d av N & 3d, Minneapolis, Minn.
Pennsylvania Pump & Compressor Co., Easton, Pa.
See adv index at end of book
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Price G. W. Pump & Engine Co., 1350 Folsom, San Francisco, Cal.
Quimby Wm. E., Inc., 209 Parkhurst, Newark, N. J.
Red Cross Mfg. Co., Bluffton, Ind.
Red Jacket Mfg. Co. ("Red Jacket" Double Acting Force, Etc., "So-Easy-To-Fix," "Never-Fail"), E 3rd, Davenport, Iowa
Rumsey Pump Co., Ltd., P. O. Box J, Seneca Falls, N. Y.
See adv index at end of book
Stewart Heater Co., N Tonawanda, N. Y.
Tokheim Oil Tank & Pump Co., Fort
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Twinvolute Pump & Mfg. Co. ("Twinvolute"), 55 William, New York
Union Steam Pump Co., Battle Creek, Mich.
Vogt Bros. Mfg. Co., Louisville, Ky.
Wagener Steam Pump Co., Canton, O.
Ward Pump Co. (Thresher, etc.), Rockford, Ill.
Wheeler Condenser & Engineering Co., W. Carteret, N. J.
Worthington Pump & Machy. Corp., 115 B'way, New York
Yeomans Bros. Co., 1436 Dayton, Chicago, Illinois *See adv index at end of book*

11952— Pumps (Tannery)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
Aldrich Pump Co., ft. of Pine, Allentown, Pa.
American Steam Pump Co., Battle Creek, Mich.
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Chicago Pump Co., 2342 Wolfram, Chicago, Ill.
Davidson M. T. Co., 154 Nassau, New York.
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
DEMING CO., Salem, O.
See adv index at end of book
Du Bois Iron Works, Du Bois, Pa.
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Edson Mfg. Corp. ("Edson"), 375H Broadway, Boston, Mass.
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
Lobee Pump & Machinery Co., East Buffalo, N. Y.
McGowan John H. Co., 2nd & Central av. Cincinnati, Ohio
Morris Machine Works, Baldwinsville, N. Y.
National Transit Pump & Machine Co., Oil City, Pa. *See adv index at end of book*
Pennsylvania Pump & Compressor Co., Easton, Pa.
See adv index at end of book
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Taber Pump Co., 291 Elm, Buffalo, N. Y.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Turner Tanning Machy. Co. ("Turuer," Rotary Liquor), Peabody, Mass.
Union Steam Pump Co., Battle Creek, Mich.
Vogt Bros. Mfg. Co., Louisville, Ky.
Worthington Pump & Machy. Corp., 115 B'way, New York

11953— Pumps (Tar)

Advance Pump & Compressor Co., Flint & Division, Battle Ceeek, Mich.
Aldrich Pump Co., ft. of Pine, Allentown, Pa.
American Steam Pump Co., **Battle Creek,** Mich.
California Pump & Machine Corp., 2668 Long Beach av, Los Angeles, Cal.
Davidson M. T. Co., 154 Nassau, New York.
DEMING CO., Salem, O.
See adv index at end of book
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
Gardner Governor Co., 23 Williams, Quincy, Ill.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, New York *See adv index at end of book*
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
Kinney Mfg. Co., 3529 Washington, Boston, Mass.
Kerr Turbine Co. ("Turbodrive"), Wellsville, N. Y.
McGowan John H. Co., 2nd & Central av, Cincinnati, O.
Northern Fire Apparatus Co., 2422 Univ. av S E, Minneapolis, Minn.
Penna. Pump & Compressor Co., Easton, Pa.
See adv index at end of book
Platt Iron Works, Dayton, Ohio
See adv index at end of book
Union Steam Pump Co., Battle Creek, Mich.

11954— Pumps (Test)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich .
American Schaeffer & Budenberg Corp. (Inspectors, Portable), Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book
American Steam Pump Co., Battle Creek, Mich.
Belfield H. Co., 435 N Broad, Phila., Pa.
Boekel Wm. & Co. (Gas Fitters), 518 Vine, Phila., Pa.
Cleveland Steam Gauge Co., 1108 W 9th, Cleveland, O.
Crosby Steam Gage & Valve Co. ("Crosby") 40 Central, Boston, Mass.
DEMING CO., Salem, O.
See adv index at end of book
Douglas W. & B., Middletown, Conn.
Dudgeon Richard (Hydraulic), 24 Columbia, New York
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
FOXBORO COMPANY, THE ("Foxboro"), Foxboro, Mass.
See adv index at end of book
Garrison Brass & Machine Works, 107 W 13th, New York
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Henderer's A. L. Sons (Boiler Makers), Wilmington, Del.
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
National Gauge Co., 300 Pacific, Brooklyn, N. Y.
Perkes Chas. (Est. of), 627 Arch, Phila., Pa.
Price G. W. Pump & Engine Co., 1350 Folsom, San Francisco, Cal.
Rumsey Pump Co. (Ltd.), Box J, Seneca Falls, N. Y.
Schutte & Koerting Co., 1251 N 12th, Phila., Pa.
See adv index at end of book
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.
Union Steam Pump Co., Battle Creek, Mich.

Pumps (Tire)

See Pumps, Air, Tire

11955— Pumps (Tower)

Aldrich Pump Co., ft. of Pine, Allentown, Pa.
Dayton Dowd Co. ("Dayton Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
ECONOMY PUMPING MACHY. CO., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Hudson Mfg. Co., 324 3rd av N, Minneapolis, Minn.

11955a— Pumps (Track)

Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Worthington Pump & Machy. Corp., 115 B'way, New York

Pumps (Trench)

See Pumps, Diaphragm

11956— Pumps (Triplex)

Aldrich Pump Co., ft. of Pine, Allentown, Pa.
Boyts Porter & Co., Dept. H, Connellsville, Pa.
C. H. & E. MFG. CO. (Portable Gasoline Engine Driven), 254 Mineral, Milwaukee, Wis.
See adv index at end of book
DEMING CO., Salem, O.
See adv index at end of book
Dow-Herriman Co., H Rialto bldg, San Francisco, Cal.
Dudgeon Richard (Hydraulic), 24 Columbia, New York
DUNNING & BOSCHERT PRESS CO. INC., 379 W Water, Syracuse, N. Y.
See adv index at end of book
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erwin & Co., 3736 Cottage Grove av, Chicago, Ill.
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
Garratt W. T. & Co., 277H Fremont, San Francisco, Cal.
GOULDS MFG. CO., 71 W Fall, Seneca Falls, N. *See adv index at end of book*
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Hayes Pump & Planter Co. ("Hayes"), Galva, Ill.
Hayton Pump & Blower Co., Appleton, Wisconsin
Kewanee Private Utilities Co. ("Kewanee" Long Stroke), West Side, Kewanee, Ill.
Leckenby Fred, Tide Flats, Tacoma, Wash.
Luitwieler Pumping Engine Co., Rochester, N. Y.
NATIONAL TRANSIT PUMP & MACHINE CO., Oil City, Pa.
See adv index at end of book
PLATT IRON WORKS, Dayton, Ohio
See adv index at end of book
Rumsey Pump Co., (Ltd.), Box J, Seneca Falls, N. Y.
See adv index at end of book
Scranton Pump Co., Scranton, Pa.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Union Steam Pump Co., Battle Creek, Mich.
Worthington Pump & Machy. Corp., 115 B'way, New York
Yeomans Bros. Co., 1436 Dayton, Chicago, Ill. *See adv index at end of book*

11957— Pumps (Turbine)

Acme Pump Co. (Marine High Duty), 52nd & Santa Fe av, Los Angeles, Cal.
Adrian Mfg. Co., 41 Wilson, San Jose, Cal.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Well Works, The, 110 N Broadway, Aurora, Ill.
AURORA PUMP & MFG. CO., Aurora, Ill.
See adv index at end of book
Bean Spray Pump Co., W Julian, San Jose, Cal.
Bethlehem Shipbuilding Corporation, Ltd., Bethlehem, Pa.
Buffalo Steam Pump Co., Buffalo, N. Y.
Byron Jackson Iron Works, Sharon bldg, San Francisco, Cal.
Chicago Pump Co. (Electric Driven Multi-Stage), 2342 Wolfram, Chicago, Ill.
Cooper R. J., Monadnock bldg, San Francisco, Cal.
Coppus Engng. & Equipment Co. (Feed), 344 Park, Worcester, Mass.
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
D'Olier Centrifugal Pump & Mach. Co., 165 Broadway, New York.
Earle Gear & Machine Co., 4707 Stenton, Phila., Pa.
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farmers Job Shop, W Julian & Pleasant, San Jose, Cal.
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
GOULDS MFG. CO., 71 W Fall, Seneca Falls, N. Y.
See adv index at end of book
Hayton Pump & Blower Co., Appleton, Wisconsin
Hunt Rodney Machine Co., Orange, Mass.
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
Jackson Church Pump Works, 731 N Spring, Los Angeles, Cal.
Johnston Pump Co., 407 E 3rd, Los Angeles, Cal.
Kerr Turbine Co., Wellsville, N. Y.
Kimball Frank J. Co. (Direct Flow), 1860 E 15th, Los Angeles, Cal.
Kingsford Foundry & Machine Works (Motor Driven), Oswego, N. Y.
Krogh Pump & Machy. Co. (For High Lifts), 147 Beale, San Francisco, Cal.
LAWRENCE MACHINE CO. ("Lawrence" Steam & Motor Driven, etc.), 42 Market, South Lawrence, Mass.
See adv index at end of book
Lawrence Pump & Engine Co. "Vortex" Steam & Motor Driven, etc), Lawrence, Mass.
Layne & Bowler Co., 900 Santa Fe av, Chicago, Ill.
See adv index at end of book
Lea-Courtenay Co., 5 Main, Newark, N. J
Midwest Engine Co. Indianapolis, Ind.
Nash Engineering Co. ("Nash," Hydro Turbine), South Norwalk, Conn.
Peerless Pump Co. ("Peerless"), 826 Santa Fe av, Los Angeles, Cal.
Pelton Water Wheel Co., Dept H, 19th & Harrison, San Francisco, Cal.
Penna. Pump & Compressor Co., Easton, Pa.
See adv index at end of book
Power Turbo Blower Co., 350 Madison av, New York
PRICE G. W. PUMP & ENGINE CO., 1350 Folsom, San Francisco, Cal.
Standard Deep Well Pump Co., 1318 Santa Fe av, Los Angeles, Cal.
Sterling Pump Works ("Sterling"), 646 S California, Stockton, Cal.
Superior Mfg. Co., Inc., Lodi, Cal.
Twinvolute Pump & Mfg. Co. ("Twinvolute"), 55 William, New York
Union Engineering Co. ("Dayton"), Cuyahoga & W 4th, Cleveland, O.
Union Steam Pump Co., Battle Creek, Mich.
Victory Mfg. Co., Niles, Cal.
West Coast Gas Eng. Co., 321 W Market, San Diego, Cal.
Western Well Works, Inc., 452 W Santa Clara av, San Jose, Cal.
Worthington Pump & Machy. Corp. (Also Centrifugal), 115 B'way, New York

11958—Pumps (Underground Force)

Boyts Porter & Co., Dept. H, Connellsville, Pa.
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Hayes Pump & Planter Co. ("Hayes"), Galva, Ill.
Leader Trahern Co. ("Trahern"), Rockford, Ill.
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book
Ward Love Pump Co., Rockford, Ill.

11959—Pumps (Underwriters')

American Well Works, The, 110 N Broadway, Aurora, Ill.
DAYTON-DOWD CO. ("Dayton-Dowd") 365 Yorke, Quincy, Ill.
See adv index at end of book
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
Earle Gear & Machine Co., 4707 Stenton, Phila., Pa.
ECONOMY PUMPING MACHY. CO., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
Worthington Pump & Machy. Corp., 115 B'way, New York

11960— Pumps (Vacuum)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Aldrich Pump Co., Foot of Pine, Allentown, Pa.
ALLEN & BILLMYRE CO., INC. (Centrifugal rotary and reciprocating pumps), Grand Central Palace, New York
See adv index at end of book

ABCO Rotary and Multi-stage
Centrifugal Vacuum Pumps
Reciprocating Pumps
ALLEN & BILLMYRE CO., Inc.
Engineers Manufacturers
Grand Central Palace New York

American Air Compressor Works, 558 Hamilton av, New York
American Compressor & Pump Co., 801 E Pratt, Baltimore, Md.
American Electric Air Pump Co. (Small), Penn & Barbeau, Pittsburgh, Pa.
American Steam Pump Co., Battle Creek, Mich.
Astle H. J. & Co. ("Boland," Noiseless, Positive), 118 Orange, Providence, R. I.
Baker-Hansen Mfg. Co., 1900-1912 Park, Alameda, Cal.
BEACH-RUSS CO., 38 Church, New York
See adv index at end of book
Bethlehem Shipbuilding Corporation, Ltd., Bethlehem, Pa.
Bishop & Babcock Co. ("B. & B." Automatic Hydraulic, for Heating Systems), 1204 E 55th, Cleveland, O.
Blake Pump & Condenser Co., Fitchburg, Mass.
Blakeslee Mfg. Co., Du Quoin, Ill.
Braun-Knecht-Heimann & Co., 576-584 Mission, San Francisco, Cal.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

BUFFLOVAK
VACUUM PUMPS
Wet and Dry Vacuum Types
Single and Two Stage.
Steam, Belt and Power Driven
BUFFALO FOUNDRY & MACHINE CO.
65 Winchester Avenue, Buffalo, N. Y.

Buffalo Steam Pump Co. (Crank & Flywheel & Single Cylinder), Buffalo, N. Y.
Burrell D. H. & Co., Inc. (Milk), Little Falls, N. Y.
Bury Compressor Co., 1200 W 17th, Erie, Penna.
Chalmers Pump & Mfg. Co., Lima, Ohio
CHICAGO PNEUMATIC TOOL CO., 6 E 44th, New York, N. Y.
See adv index at end of book
CHICAGO PUMP CO. ("Cond-Vac"), 2342 Wolfram, Chicago, Ill.
Connorsville Blower Co., Connorsville, Ind.
Continental Supply Co., Post Dispatch bldg, St. Louis, Mo.
CROWELL MFG. CO. ("Crowell"), 321 Franklin av, Brooklyn, N. Y.
See adv index at end of book
Davidson M. T. Co. (Air & Vacuum), 154 Nassau, New York.
DEMING CO., Salem, O.
See adv index at end of book
Devine J. P. Co. ("Emil Passburg" System), 1372 Clinton, Buffalo, N. Y.
ECONOMY PUMPING MACHY. CO. (for Heating), 100-126 N Curtis, Chicago, Ill. *See adv index at end of book*
Eimer & Amend ("Kraus"), 205 E 18th, New York
Emerson Pump & Valve Co. ("Emerson" Steam), Alexandria, Va.
Fairbanks, Morse & Co., 900 S. Wabash av, Chicago, Ill.
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
Gardner Governor Co., 23 Williams, Quincy, Ill.
Gen'l Compressed Air & Vacuum Machy. Co., St. Louis, Mo.
GENERAL ELECTRIC CO. ("Langmaur" Condensation for High Vacuum), Schenectady, N. Y.
See adv index at end of book
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
GUILD & GARRISON, 463 Kent av, Brooklyn, N. Y.
Hall Steam Pump Co., ("Hall"), 213 Galveston, Pittsburgh, Pa.
Harris Pump & Supply Co., 318 Second av, Pittsburgh, Pa.
See adv index at end of book
Hayton Pump & Blower Co., Appleton, Wisconsin
Hubbard's Norman Sons ("Niagara" "Improved Packard"), 603 Dean, Brooklyn, N. Y.
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book

VACUUM PUMPS
Ingersoll-Rand straight-line and duplex belt and steam driven vacuum pumps for condensing, evaporator pan or other service. Built in capacities ranging from 10.2 to 5571 cu. ft. per minute.
They embody the most modern design in vacuum pump construction and have large capacity per unit floor space.
Ingersoll-Rand
11 Broadway, New York City

Kinney Mfg. Co. ("Kinney" for Condensers, Evaporation, etc), 3541 Washington, Boston, Mass.

(Continued on following page)

Pumps (Vacuum)—Continued

Kruger & Blind Co. (Low Vacuum Only), 511 Master, Phila., Pa.
LEBRAN BLOWER FACTORY ("Lebran" Low Vacuum Only), 511 Master, Phila., Pa.

Vacuum Pumps

For Low Vacuum up to 10"

LEBRAN BLOWER FACTORY
511 Master St. PHILA., PA.

Leiman Bros., 60-62 Lispenard, New York
Lobee Pump & Machinery Co., East Buffalo, N. Y.
McGowan John H. Co., 2nd & Central av, Cincinnati, O.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
Nash Engineering Co. ("Nash" Hydro-Turbine), South Norwalk, Conn.
National Foundry & Machine Co., Louisville, Ky.
National Steam Pump Co. ("National"), Upper Sandusky, O.
New York Air Brake Co., 165 B'way, N. Y.
Oliver Continuous Filter Co. ("Oliver"), 503 Market, San Francisco, Cal., & 33 West 42nd, New York
Oliver Mfg. Co., 4th & Madison, Oakland, Calif.
PENNSYLVANIA PUMP & COMPRESSOR CO., Easton, Pa.
See adv index at end of book
Plant Engng. & Equipt. Co., Inc., 11 John, New York
Powers Regulator Co., 5 S Wabash av, Chicago, Ill.
See adv index at end of book
Provost Engng. Co., 50 Church, New York
Roots P. H. & F. M. Company ("Root's" Small Power Blower), Connersville, Ind.
Schutte & Koerting Co., 1251 N 12th, Phila., Pa. *See adv index at end of book*
Scranton Pump Co., Scranton, Pa.
Sleeper O. S. & Co., Inc., White bldg, Buffalo, N. Y.
Stokes F. J. Machine Co., 6138 Tabor, Phila., Pa.
Sullivan Machinery Co., 122 S Michigan av, Chicago, Ill.
Trimount Rotary Power Co. ("Trimount," Rotary), 286 Whiting av, Boston, Mass.
Union Steam Pump Co., Battle Creek, Mich.
Vogt Bros. Mfg. Co., Louisville, Ky.
Wagener Steam Pump Co., Canton, O.
Weinman Pump Mfg. Co., 300 Spruce, Columbus, O.
West St. Louis Machine & Tool Co., 606 Vandeventer av, St. Louis, Mo.
Wheeler C. H. Mfg. Co.("Pratt," "C. H Wheeler-Thyssen"), Lehigh av & N 18th, Phila., Pa.
Wheeler Condenser & Engineering Co. ("Wheeler-Edwards" Suction Valve-Less, "Wheeler" Rotative Dry Vacuum, "Wheeler" Turbo Air, "Wheeler" Steam Jet Air), West Carteret, N. J.
Wilbraham-Green Blower Co., Pottstown, Pa.
Worthington Pump & Machy. Corp. (Hydraulic), 115 B'way, New York.
York Elec. & Mach. Co., York, Pa.
YOUNG PUMP CO., 230 E Ohio, Chicago

11961— Pumps (Vacuum Cleaning)

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
ALLEN & BILLMYRE CO., INC. (Complete line. Several types), Grand Central Palace, New York
See adv index at end of book
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.

11962— Pumps (Vacuum Distillation)

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Allen & Billmyre Co., Inc., Grand Central Palace, New York
See adv index at end of book
Beach-Russ Co., 38 Church, New York
See adv index at end of book
CROWELL MFG. CO. ("Crowell" Rotary), 321 Franklin av, Brooklyn, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book

11963—Pumps (Vacuum, Dry & Wet)

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Allen & Billmyre Co., Inc., Grand Central Palace, New York
See adv index at end of book
American Well Works (Wet Geared Type, Steam Turbine Driven), Aurora, Ill.
Beach-Russ Co., 38 Church, New York
See adv index at end of book
BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Chicago Pump Co., 2342 Wolfram, Chicago, Ill.
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
Oliver Continuous Filter Co. (Dry), 503 Market, San Francisco, Cal., & 33 W 42nd, New York.
Pennsylvania Pump & Compressor Co. (Dry), Easton, Pa.
See adv index at end of book
Union Steam Pump Co., Battle Creek, Mich.
Vogt Bros. Mfg. Co.. Louisville, Ky.
Worthington Pump & Machinery Corp., 115 B'way, New York
YOUNG PUMP CO., 230 E Ohio, Chicago

11964— Pumps (Vacuum for Vacuum Heating)

Abbe Paul O., Inc., 924 Johnston bldg, New York *See adv index at end of book*
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Chicago Pump Co., 2342 Wolfram, Chicago, Ill.
DAYTON-DOWD CO. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Union Steam Pump Co., Battle Creek, Mich.

11965-6— Pumps (Volute)

Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Byron Jackson Iron Works, Sharon bldg, San Francisco, Calif.
Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
See adv index at end of book
ECONOMY PUMPING MACHY. CO., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Hayton Pump & Blower Co., Appleton, Wisconsin
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
Midwest Engine Co. Indianapolis, Ind.
Pelton Water Wheel Co., Dept H, 19th & Harrison, San Francisco, Cal.
Platt Iron Works, Dayton, O.
See adv index at end of book
Price G. W. Pump & Engine Co., 1350 Folsom, San Francisco, Cal.
Quimby Wm. E., Inc., 209 Parkhurst Newark, N. J.
Union Steam Pump Co., Battle Creek, Mich.
Worthington Pump & Machy. Corp., 115 B'way, New York
Yeomans Bros. Co., 1436 Dayton, Chicago, Illinois *See adv index at end of book*

11967— Pumps (Water)

Aldrich Pump Co., Foot of Pine, Allentown, Pa.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Aurora Pump & Mfg. Co., Aurora, Ill.
See adv index at end of book
Barnes Mfg. Co., 700H N Main, Mansfield, Ohio
Bethlehem Shipbuilding Corporation, Ltd., Bethlehem, Pa.
Blackmer Rotary Pump Power & Mfg. Co., Petoskey, Mich.
Boyts Porter & Co., Dept. H, Connellsville, Pa.
Bremer O. A. Co., Inc., 215-217 Division, Burlington, Iowa
Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
See adv index at end of book
Dissinger C. H. A. & Bro. Co. ("Capital"), Wrightsville, Pa.
ECONOMY PUMPING MACHY. CO., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Earle Gear & Machine Co., 4707 Stenton, Phila. Pa.
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Fairbanks G. L. & Son (Autom, etc.), 166 Union, Worcester, Mass.
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Fort Wayne Engng. & Mfg. Co., Ft. Wayne, Ind.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
Harris Brockman Mfg. Co. ("Harris"), Greer, S. C.
Hunt Rodney Mach. Co. (Farm), Orange, Mass.
Keystone Driller Co., Beaver Falls, Pa.
See adv index at end of book
McGowan John H. Co., 2nd & Central av, Cincinnati, O.
Menge Pump & Machy Co., 862H Tchoupitoulas, New Orleans, La.
Morris Mach. Tool Co., Court & Harriet, Cincinnati, Ohio
Northern Fire Apparatus Co., 2422 Univ. av, S. E., Minneapolis, Minn.
Pacific Pump & Supply Co., (Jobbers), 853 Folsom, San Francisco, Cal.
Platt Iron Works, Dayton, O.
See adv index at end of book
Price G. W. Pump & Engine Co., 1350 Folsom, San Francisco, Cal.
Roberts Geo. J. Co. ("Gem"), Dayton, O.
San Diego Machine Co, San Diego, Cal.
Taylor Machine Works (Circulating), Battle Creek, Mich.
Traylor Engineering & Manufacturing Co. Allentown, Pa.
Union Steam Pump Co., Battle Creek, Mich.
Union Tool Co., H Union Oil bldg, Torrance, Cal.
United Pump & Power Co., Belleview pl & Larkin, Milwaukee, Wis.
Yeomans Bros. Co., 1436 Dayton, Chicago, Illinois *See adv index at end of book*

11968—Pumps (Water Motor)

Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Pelton Water Wheel Co., Dept H 19th & Harrison, San Francisco, Cal.
Valle-Kimes Co. ("V. & K."), Dayton, O.

11969—Pumps (Water Works)

Aldrich Pump Co., Foot of Pine, Allentown, Pa.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Steam Pump Co., Battle Creek, Mich.
American Well Works, The, 110 N Broadway, Aurora, Ill.
AURORA PUMP & MFG. CO., Aurora, Ill.
See adv index at end of book
Barns & Fisher Mfg. Co., 2931 1st av S, Seattle, Wash.
Boyts, Porter & Co., Dept. H, Connellsville, Pa.
Buffalo Steam Pump Co., Buffalo, N. Y.
Byron Jackson Iron Works, Sharon bldg, San Francisco, Calif.
Dayton-Dowd Co. ("Dayton-Dowd"), 365 Yorke, Quincy, Ill.
See adv index at end of book
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
DEMING CO., Salem, O.
See adv index at end of book
Earle Gear & Machine Co., 4707 Stenton, Philadelphia, Pa.
ECONOMY PUMPING MACHY. CO., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Edson Mfg. Co. ("Edson"), 375H Broadway, Boston, Mass.
ERIE PUMP & ENGINE WORKS, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
Gardner Governor Co., 23 Williams, Quincy, Ill.
GOULDS MFG. CO., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Hayton Pump & Blower Co., Appleton, Wisconsin
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
Jennings Pump & Dredge Co, 180 N Dearborn, Chicago, Ill.
Johnston Pump Co., 407 E 3rd, Los Angeles, Cal.
Keystone Driller Co., Beaver Falls, Pa.
See adv index at end of book
Kimball Frank J. Co., Inc., 1860 E 15th, Los Angeles, Cal.
Lawrence Machine Co. ("Lawrence" Centrifugal), 42 Market, South Lawrence, **Mass.** *See adv index at end of book*
Lawrence Pump & Engine Co. ("Vortex"), Lawrence, Mass.
McGowan John H. Co., 2nd & Central av, Cincinnati, O.
Midwest Engine Co. Indianapolis, Ind.
Morris Machine Works, Baldwinsville, New York
Myers F. E. & Bro. Co. ("Myers" Bulldozer), 950 Orange, Ashland, Ohio
See adv index at end of book
National Steam Pump Co., Upper Sandusky, O.
Northern Fire Apparatus Co., 2422 Univ. av, S. E., Minneapolis, Minn.
Novo Engine Co. ("Novo"), Lansing Mich.
Peerless Pump Co. ("Peerless"), 826 Santa Fe av, Los Angeles, Cal.
Pennsylvania Pump & Compressor Co., Easton, Pa.
See adv index at end of book

Platt Iron Works, Dayton, O.
See adv index at end of book
PRICE G. W. PUMP & ENGINE CO., 3150 Folsom, San Francisco, Cal.
Roots P. H. & F. M. Company (Rotary Pressure), **Connersville, Ind.**
Rumsey Pump Co. (Ltd.), **Box J, Seneca Falls, N. Y.**
See adv index at end of book
Strait H. N. Mfg. Co., Kansas City, Kans.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Twinvolute Pump & Mfg. Co. ("Twinvolute"), 55 William, New York
Union Steam Pump Co., Battle Creek, Mich.
Wagener Steam Pump Co., Canton, O.
Wood R. D. & Co., 400 Chestnut, Phila., Pa.
Worthington Pump & Machy. Corp., 115 B'way, New York
Yeomans Bros. Co., 1436 Dayton, Chicago, Illinois *See adv index at end of book*

11970—Pumps (Water Works, Vacuum for Priming)

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
York *See adv index at end of book*
Beach-Russ Co., 38 Church, New York
See adv index at end of book
ECONOMY PUMPING MACHY. CO., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Northern Fire Apparatus Co., 2422 Univ. av, S. E., Minneapolis, Minn.

11971— Pumps (Windmill)

See also Windmills

Aermotor Co., 2500 W Roosevelt rd, Chicago, Ill.
Althouse-Wheeler Co., Waupun, Wis.
Baker Mfg. Co., Evansville, Wis.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
Barnes Mfg. Co., Mansfield, O.
Beckman Bros. ("B-B"), Des Moines, Ia.
Bushnell Pump Co., Bushnell, Ill.
Butler Co., Butler, Ind.
Butler Mfg. Co., 1228 Eastern av, Kansas City, Mo.
Challenge Co., Batavia, Ill.
Cedar Rapids Pump Co., Cedar Rapids, Ia.
Celina Mfg. Co., Celina, O.
Challenge Co., Batavia, Ill.
Columbiana Pump Co., Columbiana, O.
Cook August D. (Force), Lawrenceburg, Ind.
Davis-Hansen Co. (Force & Lift), Oshkosh, Wis.
DEMING CO., Salem, O.
See adv index at end of book
Douglas W. & B., Middletown, Conn.
Duplex Mfg. Co., Superior, Wis.
Evans C. H. & Co., 189 Fremont, San Francisco, Cal.
Fairbanks, Morse & Co. ("Fairbanks Morse" & "Eclipse"), 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Flint & Walling Mfg. Co. ("Hoosier"), Kendallville, Ind.
Garratt W. T. & Co., 277H Fremont, San Francisco, Cal.
General Engines Corp. ("Carlson"), 967 Howard, San Francisco, Cal.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Hayes Pump & Planter Co. ("Hayes"), Galva, Ill.
Humphryes Mfg. Co. ("20th Century"), Mansfield, O.
Iowa Wind Mill & Pump Co., Cedar Rapids, Ia.
Leader Trahern Co. ("Trahern"), Rockford, Ill.
Mast, Foos & Co., Springfield, O.
Myers F. E. & Bro. Co. ("Imperial" Regulator & Syphon, "Branch Pipe," "Three-Way" & "Defiance" Ashland Century Cog Gear), 950 Orange, Ashland, O.
See adv index at end of book
Novo Engine Co. ("Novo"), Lansing, Mich.
Pacific Pump & Supply Co., (Jobber), 851 Folsom, San Francisco, Cal.
Peters Pump Co., Kewanee, Ill.
Red Cross Mfg. Co., Bluffton, Ind.
Red Jacket Mfg. Co. ("Red Jacket," Force), Davenport, Ia.
Rumsey Pump Co. (Ltd.), Box J, Seneca Falls, N. Y.
See adv index at end of book
U. S. Wind Engine & Pump Co., Batavia, Ill
Ward Love Pump Co., Rockford, Ill.
Woodmanse Mfg. Co., Freeport, Ill.

11971a— Pumps (Wine)

Aldrich Pump Co., Foot of Pine, Allentown, Pa.
ECONOMY PUMPING MACHY. CO., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
Hydraulic Press Mfg. Co. ("Mount Gilead"), 24 Lincoln av, Mount Gilead, O.
See adv index at end of book
Klotz Machine Co., Sandusky, Ohio
Platt Iron Works, Dayton, O.
See adv index at end of book
Pulsometer Steam Pump Co., Irvington, N. J.
Traylor Engineering & Manufacturing Co., Allentown, Pa.

11972— Pumps (Wood)

Althouse-Wheeler Co., Waupun, Wis.
Biggs B. F. Pump Co., Lafayette, Ind.
Boyts, Porter & Co., Dept. H, Connellsville, Pa.
Bushnell Pump Co., Bushnell, Ill.
Cedar Rapids Pump Co., Cedar Rapids, Ia.
Chandler Pump Co., Cedar Rapids, Ia.
Cincinnati Pump Co., Liberty & Clay, Cincinnati, O.
Dempster Mill Mfg. Co., Beatrice, Neb.
Farrar Pump & Mach Co., Granite bldg, St. Louis, Mo.
Florence Table & Lumber Co., Memphis, Tenn.
Hill W. C., Brasher Falls, N. Y.
Knecht & Thomas Pump Co., Union City, Ind.
Rich Pump Co., South & Depot, Cincinnati, O.
Saco Mfg. Co., Saco, Me.
West Wm. S. & Son, Chillicothe, O.

11973— Pumps (Wrecking)

Blakeslee Mfg. Co., DuQuoin, Ill.
Buffalo Steam Pump Co., 490H B'way, Buffalo, N. Y.
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
See adv index at end of book
ECONOMY PUMPING MACHY. CO., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Emerson Pump & Valve Co. ("Emerson"), Dept H, Alexandria, Va.
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
Kingsford Fdry. & Mach. Wks., Oswego, N. Y.
Midwest Engine Co., Indianapolis, Ind.
Morris Machine Works, Baldwinsville, N. Y.
Nye Steam Pump & Machinery Co., 701 N Western av, Chicago, Ill.
PRICE G. W. PUMP & ENGINE CO., 3150 Folsom, San Francisco, Cal.
Swenson J., ft. of Warren, Jersey City, N. J.
Worthington Pump & Machy. Corp., 115 B'way, New York

11974-5—Pumps & Boilers (Combined)

Blakeslee Mfg. Co., Du Quoin, Ill.
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Farrar Pump & Mach. Co., Granite bldg, St. Louis, Mo.
Hall Steam Pump Co. ("Hall"), 213 Galveston, Pittsburgh, Pa.
Murphy Timothy Iron Works, Jacksonville, Fla.
Toomey Frank, Inc. (Dealers), 127 N 3rd, Phila., Pa.
Union Steam Pump Co., Battle Creek, Mich.
Vogt Bros. Mfg. Co., Louisville, Ky.
Worthington Pump & Machy. Co. (Receivers), 115 B'way, New York

Punch Sleeves

See Sleeves Drill & Punch

11976— Punch Stems

Cleveland Steel Tool Co., 662 E 82nd, Cleveland, Ohio
See adv index at end of book

11977—Punch & Shear Combined (Hand Power)

Armstrong-Blum Mfg. Co. ("Marvel," also I Beam Punch & Slitting Shear), 337 N Francisco av, Chicago, Ill.
Bertsch & Co., Cambridge City, Ind.
Braun J. G., 609 S Paulina, Chicago, Ill.
Canedy-Otto Mfg. Co., Chicago Heights, Ill.
Clark Foundry Co. ("Jarrell"), Rumford, Me.
Cleveland Punch & Shear Works, 3917 St. Clair av, Cleveland, Ohio
See adv index at end of book
Coulter & McKenzie Machine Co., 771 Water, Bridgeport, Conn.
Custer W. F. & Son ("Custer"), Summitville, Ind.
Excelsior Tool & Machine Co., 32nd & Ridge, East St. Louis, Ill.
Hendley & Whittemore Co. ("Beloit"), Beloit, Wis.
Kidder J. F. Mfg. Co. ("Little Blacksmith," Deep Throat), Burlington, Vt.
Little Giant Punch & Shear Co. ("Little Giant" Lever), Sparta, Ill.
Long & Alstatter Co. (The), Hamilton, O.
See adv index at end of book
Luther Mfg. Co. ("Black Giant" for Tire Upsetting, etc.), Dept. H, Olean, N. Y.
PELS HENRY & CO., INC., 90 West, New York
See adv index at end of book
Rock River Machine Co., Janesville, Wis.
Ryerson Joseph T. & Son, 2558 W 16th, Chicago, Ill.
See adv index at end of book
Schatz Mfg. Co., Poughkeepsie, N. Y.
Sproul Matt Co., Sparta, Ill.
Union Mfg. Co. ("Union" Combined Punch, Shear & Rod Cutter), 300 Church, New Britain, Conn.
Weiss H. & Co. ("Little Blacksmith" Punch, Shear & Bender Combined), 83 John, New York
Whiting Geo. Co., 1719 Elston av, Chicago, Ill.

11978—Punch & Straightener Combined

Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
United Engineering & Foundry Co., Farmers Bk. bldg, Pittsburgh, Pa.

11979— Punches (Arch)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Osborne C. S. Co., Box 183, Newark, N. J.
See adv index at end of book

Punches (Backing-out)

See Punches, Pin

11980— *Punches (Beam)

See also Punches for Ornamental Iron Work
Chambersburg Engineering Co., Chambersburg, Pa.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Long & Alstatter Co. (The), Hamilton, O.
See adv index at end of book
Pels Henry & Co., Inc., 90 West, New York
See adv index at end of book

11981—Punches (Belt & Saddlers', Drive)

Atkins E. C. & Co. ("Rogers" Belt), 402 S Illinois, Indianapolis, Ind.
Bemis & Call Hdw. & Tool Co. (Steel Belt), 983 S Main, Springfield, Mass.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Buck Bros., Millbury, Mass.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Bullock Mfg. Associates, Springfield, Mass.
Cleveland Punch & Shear Works, 3917 St. Clair av, Cleveland, Ohio
See adv index at end of book
Eyelet Tool Co., 190 Dorchester av, Boston, Mass.
Goodell-Pratt Co. (Knurled), Greenfield, Mass.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Kraeuter & Co., 583 18th av, Newark, N. J.
Long & Alstatter Co. (The), Hamilton, O.
See adv index at end of book
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Manufacturers Belt Hook Co. ("L-X"), 1321 W Congress, Chicago, Ill.
Mayhew H. H. Co., Shelburne Falls, Mass.
Millers Falls Co. (West Haven Plant) ("Easy Hold," "Won't Roll" Drive), Dept. H, Millers Falls, Mass.
OSBORNE C. S. & CO., Box 183 Newark, N. J. *See adv index at end of book*

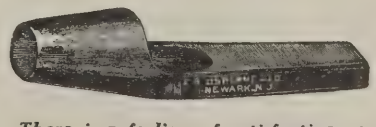
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(Continued on following page)

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Punches (Belt & Saddlers', Drive)—Continued

Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Schollhorn Wm. Co. ("Bernard's"), 414 Chapel, New Haven, Conn.
Smith Otis A., Rockfall, Conn.
Smith & Egge Mfg. Co. ("S. & E. M. Co."), Bridgeport, Conn.
Standard Shoe Machinery Co., Lawrence, Mass
Stortz John & Son, 210 Vine, Phila., Pa.
Syracuse Twist Drill Co. ("Syracuse"), Borden av, Syracuse, N. Y.
Tuck Mfg. Co., Brockton, Mass.
Van Doren Mfg. Co. ("Vandor"), Chicago Heights, Ill.
Vaughan & Bushnell Mfg. Co. ("V. & B." Solid Steel), 2114 Carroll av, Chicago, Ill.

11982—Punches (Belt & Saddlers', Revolving, Etc.)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Kraeuter & Co., 583 18th av, Newark, N. J.
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
OSBORNE C. S. & CO., Box 183, Newark, N. J. *See adv index at end of book*

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Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Stearns E. C. & Co. (Revolving Spring), 450 Oneida, Syracuse, N. Y.
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book

11983— Punches (Bench)

American Lock Nut & Tool Co. ("Lightning"), Oregon, Ill.
Braun J. G., 609 S Paulina, Chicago, Ill.
Buffalo Forge Co., 490 Broadway, Buffalo, N. Y.
Butts & Ordway Co. ("B & O." "Easy"), 33 Purchase, Boston, Mass.
Chandler & Farquhar Co. ("Federal"), 250 Devonshire, Boston, Mass.
Cleveland Punch & Shear Works Co., 3921 St. Clair av, N E, Cleveland, O.
Goodell-Pratt Co., Greenfield, Mass.
Hendley & Whitmore Co. ("Beloit" Band), Beloit, Wis.
Little Giant Punch & Shear Co., Sparta, Ill.
Pels Henry & Co., Inc. (Hand Power), 90 West, New York
See adv index at end of book
Rock River Machine Co., Janesville, Wis.
Schatz Mfg. Co., Poughkeepsie, N. Y.

11984—Punches (Blacksmiths')

Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.
Atha Tool Co., Chapel, Newark, N. J.
Beall Bros., Alton, Ill.
Bicknell Mfg. & Supply Co., Janesville, Wis.
Blum Julius & Co. (Imp.), 540 W 22nd, New York
Braun J. G., 609 S Paulina, Chicago, Ill.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Canedy-Otto Mfg. Co., Chicago Heights, Ill.
Champion Blower & Forge Co. ("Champion" Steel), Lancaster, Pa.
Champion Tool Co. ("Champion" Hand & Eye), Meadville, Pa.
Cleveland Punch & Shear Works, 3917 St. Clair av, Cleveland, Ohio
See adv index at end of book
CLEVELAND STEEL TOOL CO., 662 E 82nd, Cleveland, O.
See adv index at end of book
Dreis Ed. J. Co., 200 2d, San Francisco, Cal.
Heller Bros. Co., 879 Mt. Prospect av, Newark, N. J.
Imperial Machine Co., 1611 Central av, Minneapolis, Minn.
Iron City Tool Works (Ltd.), 3201 Smallman, Pittsburgh, Pa.
Klein-Logar. Co., 13th & Breed, Pittsburgh, Pa.
Long & Alstatter Co. (The), Hamilton, O.
See adv index at end of book
Pels Henry & Co., Inc., 90 West, New York
See adv index at end of book
Richards I. P. Co. ("U. S. Standard"), 23 Pemberton, Providence, R. I.
Rock River Machine Co., Janesville, Wis.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Schatz Mfg. Co., Poughkeepsie, N. Y.
Van Doren Mfg. Co. ("Vandor"), Chicago Heights, Ill.
Vaughan & Bushnell Mfg. Co. ("V. & B." Center), 2114 Carroll av, Chicago, Ill.
Verona Tool Works, Plum, Pittsburgh, Pa.
Whiting Geo. Co., 1719 Elston av, Chicago, Ill.

11985-6—Punches (Boilermakers' Screw)

See also Punching Machines, Boilermakers'
Bertsch & Co., Cambridge City, Ind.
Braun J. G., 609 S Paulina, Chicago, Ill.
Bullock C. K. Co., 1357H Ridge av, Phila., Pa.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Canedy-Otto Mfg. Co., Chicago Heights, Ill.
Channon Jas. H. Mfg. Co. (Screw, Also With Ratchet Handle), 227 W Erie, Chicago, Ill.
Cleveland Punch & Shear Works, 3917 St. Clair av, Cleveland, Ohio
See adv index at end of book
CLEVELAND STEEL TOOL CO., 662 E 82nd, Cleveland, O.
See adv index at end of book
Dudgeon Richard (Hydraulic), 24 Columbia, New York
Henderer's A. L. Sons (Hydraulic), Wilmington, Del.
Hendley & Whittemore Co. ("Beloit" Lever), Beloit, Wis.
King A. R. Mfg. Co., Kingston, N. Y.
Loveloy Tool Works (Screw, Also With Ratchet Attachment), 319 W Ohio, Chicago, Ill.
See adv index at end of book
Manitowoc Ship Building Co. ("Gunnell" Portable), Manitowoc, Wis.
Oswego Tool Co., Oswego, N. Y.
Pels Henry & Co., Inc., 90 West, New York
See adv index at end of book
Richards I. P. Co., 23 Pemberton, Providence, R. I.
Ryerson Joseph T. & Son, 2558 W 16th, Chicago, Ill.
See adv index at end of book
Schatz Mfg. Co., Poughkeepsie, N. Y.
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book
WATSON-STILLMAN CO. (Hand & Hydraulic), 38 Church, New York
See adv index at end of book

Punches (Bull)

See Rings & Ringers, Hog & Bull

11987—Punches (Butchers' Saw Etc.)

Goodell-Pratt Co., Greenfield, Mass.
Thompson H. G. & Son Co. ("Thompson's"), New Haven, Conn.

11988—Punches (Button Hole)

Kraeuter & Co., 583 18th av, Newark, N. J.

11989— Punches (Carvers)

Buck Bros., Millbury, Mass.

11990—Punches (Center & Prick)

Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.
Bagshaw & Field, 445 N 5th, Phila., Pa.
Beall Bros., Alton, Ill.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Brown & Sharpe Mfg. Co., Providence, R. I.
Browne & Dowd Mfg. Co. (Knurled), Meriden, Conn.
Buck Bros. (And Solid), Millbury, Mass.
Bullock Mfg. Associates, Springfield, Mass.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Carver Tool Works, Spring Valley, N. Y.
Chicago Tool & Kit Co., 160 Whiting, Chicago, Ill.
Cincinnati Tool Co. (Pin or Clearance), Main & Waverly av, Cincinnati, Ohio
Cleveland Punch & Shear Works, 3917 St. Clair av, Cleveland, Ohio
See adv index at end of book
Cleveland Steel Tool Co., 662 E 82nd, Cleveland, Ohio
See adv index at end of book
Cornwell Quality Tools Co., Dept H, Cuyahoga Falls, Ohio
Crescent Tool Mfg. Co., 1002 Cass av, St. Louis, Mo.
Cronk & Carrier Mfg. Co., 150 Lake, Elmira, N. Y.
Drew C. & C. Co., Kingston, Mass.
Enderes, Inc., Albert Lea, Minn.
Goodell Mfg. Co., Greenfield, Mass.
Goodell-Pratt Co. (Knurled), Greenfield, Mass.
Jennings C. E. & Co., 71 Murray, New York
Johnson Wm. (Hedenberg Works), Newark N. J.
Kraeuter & Co., 583 18th av, Newark, N. J.
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Mayhew H. H. Co., Shelburne Falls, Mass.
Millers Falls Co. (West Haven Plant) ("Easy Hold," "Won't Roll"), Dept H, Millers Falls, Mass.
Nicol & Co., 218 N Jefferson, Chicago, Ill.
Osborne C. S. & Co. (Prick), Box 183 Newark, N. J.
See adv index at end of book
Peck, Stow & Wilcox Co., Southington, Conn.
Plomb Tool Mfg. Co., 2209 Santa Fe av, Los Angeles, Cal.
Roberts Tool Co., Irvington N. J.
Sawyer Tool Mfg. Co., Ashburnham, Mass.
Sayre A. Co., 332 Mulberry, Newark, N. J.
Snell Mfg. Co., Fiskdale, Mass.
Stanley Rule & Level Co., New Britain, Conn.

Starrett L. S. Co. (Machinists Center, etc.), Athol, Mass.
Syracuse Twist Drill Co. ("Syracuse" Knurled Octagon Prick, Center & Rivet), Borden av, Syracuse, N. Y.
Tuck Mfg. Co., Brockton, Mass.
Union Tool Co., Orange, Mass.
Vaughan & Bushnell Mfg. Co. ("V. & B." Tinners), 2114 Carroll av, Chicago, Ill.
Vichek Tool Co. ("Vichek"), 8701 Mt. Auburn av, Cleveland, O.
Warner Hammer Co., Cromwell, Conn.
Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.
Wells Corporation, The ("Williamsburg"), 15 Arch, Greenfield, Mass.
See adv index at end of book

11991— Punches (Conductors' Tickets, Etc.)

American Railway Supply Co., 134 Charles, New York
Bonney-Vehslage Tool Co., 61 N. J. R. R. av, Newark, N. J.
Bridgeport Hardware Mfg. Corp. ("Trump" Reservoir, etc), 461 Irving av, Bridgeport, Conn.
Cincinnati Mfg. Co., Cincinnati, O.
Crocker L. O., Jr., East Braintree, Mass.
Exell Mfg. Co. ("XL"), New Haven, Conn.
Hoggson & Pettis Mfg. Co. ("Excel"), 161H Brewery, New Haven, Conn.
International Register Co., 15 Throop, Chicago, Ill.
Kraeuter & Co., 583 18th av, Newark, N. J.
Lord Mfg. Co., 105 W 40th, New York.
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
McGill Metal Products Co. ("McGill," for Tickets, Notch Cutters, Cardboards, etc.), 1649 Walnut, Chicago, Ill.
Mac-Mieth Co., 146 Lafayette, Newark, N. J.
Matthews Jas. H. & Co., 8942 Forbes, Pittsburgh, Pa.
See adv index at end of book
Meyers Fred J. Mfg. Co., Hamilton, O.
Moise-Klinkner Co., 369 Market, San Francisco, Cal.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Scholihorn Wm. Co. ("Bernard's"), 414 Chapel, New Haven, Conn.
Sperry & Alexander Co., 79 Chambers, New York
Wilcox W. W. Co., 1735 Armitage av, Chicago, Ill.

11992— Punches (Coopers')

Buck Bros., Millbury, Mass.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Stortz John & Son, 210 Vine, Phila., Pa.

11993— Punches (Drift)

Cincinnati Tool Co., Main & Waverly av, Cincinnati, Ohio
Plomb Tool Mfg. Co. (Long Taper), 2209 Santa Fe av, Los Angeles, Cal.
Vichek Tool Co. ("Vichek"), 8701 Mt. Auburn, Cleveland, O.

11994— Punches (Drive)

See also Punches, Belt & Saddlers' Drive
Chicago Tool & Kit Co., 160 Whiting, Chicago, Ill.
Cleveland Punch & Shear Works, 3917 St. Clair av, Cleveland, Ohio
See adv index at end of book
Cleveland Steel Tool Co., 662 E 82nd, Cleveland, Ohio
See adv index at end of book
Osborne C. S. Co., Box 183, Newark, N. J.
See adv index at end of book
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Smith & Egge Mfg. Co. (Chain & Punches), Bridgeport, Conn.
Syracuse Twist Drill Co. ("Syracuse"), Borden av, Syracuse, N. Y.
Williams William, Jr., New Britain, Conn.

11995— Punches (Ear Tag)

Wilcox W. W. Co., 1735 Armitage av, Chicago, Ill.

11996-7— Punches (Eyelet)

Eyelet Tool Co., 190 Dorchester av, Boston, Mass.
Grammes L. F. & Sons (& Paper), 311 Union, Allentown, Pa.
See adv index at end of book
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book

11998—Punches (Flue Shearing)

Cleveland Punch & Shear Works, 3917 St. Clair av, Cleveland, Ohio
See adv index at end of book
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Long & Alstatter Co. (The), Hamilton, O.
See adv index at end of book
Richards I. P. Co., 23 Pemberton, Providence, R. I.
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book

11999-12000-1—Punches for Ornamental Iron Work

Bethlehem Steel Co., Bethlehem, Pa.
Blum Julius & Co. (Imp.), 540 W 22nd, New York
Braun J. G., 609 S Paulina, Chicago, Ill.
Lewthwaite T. H. Machine Co. (Power, Hand and Foot), 413 E 31st, New York
Long & Alstatter Co. (The), Hamilton, O.
See adv index at end of book
PELS HENRY & CO., INC., 90 West, New York
See adv index at end of book
Richards I. P. Co., 23 Pemberton, Providence, R. I.
Schatz Mfg. Co., Poughkeepsie, N. Y.

Punches (Gang)

See Punching Machines, Multiple

12002—Punches (Guide or Slotting)

Cleveland Steel Tool Co., 662 E 82nd, Cleveland, O.
See adv index at end of book

12003— Punches (Hand)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Cleveland Steel Tool Co., 662 E 82nd, Cleveland, O.
See adv index at end of book
Cornwell Quality Tools Co., Dept. H, Cuyahoga Falls, O.
Danzer Metal Works ("Handy"), Hagerstown, Md.
Dikeman Mfg. Co. (For Butchers' Blades, etc), Norwalk, Conn.
Helwig Mfg. Co., 422 E 7th, St. Paul, Minn.
Hubbard & Co., 63d & Butler, Pittsburgh, Pa.
Klein-Logan Co., H, 13th & Breed, Pittsburgh, Pa.
Machine Appliance Corp., 351 Jay, Brooklyn, N. Y.
MORRILL CHAS., INC. ("Morrill" & "Apex" "Hercules" Metal. "No. 1 perforates ¼" thickness paper or similar material. Sizes ⅛" to ¼" by 32nds. "Hercules' makes ¼" hole through No. 18 iron or equivalent. Sizes ⅛" to ⅜" by 32nd"), 94 Lafayette, New York
See adv index at end of book
Mossberg Frank Co., Attleboro, Mass.
Niagara Machine & Tool Wks., Buffalo, N. Y.
Pels Henry & Co., Inc., 90 West, New York *See adv index at end of book*
Smith & Hemenway Co., Inc. ("Red Devil"), 261 B'way, New York & 130H Colt, Irvington, N. J.
See adv index at end of book
Southwark Foundry & Machine Co. (or Lever Power), 1128 S 4th, Phila., Pa.
See adv index at end of book
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Union Mfg. Co. ("Union"), 300 Church, New Britain, Conn.
Van Doren Mfg. Co. ("Vandor"), Chicago Heights, Ill.
Vaughan & Bushnell Mfg. Co. ("V. & B."), 2114 Carroll av, Chicago, Ill.
Vichek Tool Co. ("Vichek"), 8000 E 87th, Cleveland, O.
Whitaker Mfg. Co. ("Triple Diamond"), 409 S Green, Chicago, Ill.

12004—Punches (Hand Power)

American Lock Nut & Tool Co. ("Lightning," For Punching Holes in Angles, Flanges, Tank Heads, etc), Oregon, Ill.
Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.
Armstrong-Blum Mfg. Co., 337 N Francisco av, Chicago, Ill.
Baker Wm. H., Trenton, N. J.
Bertsch & Co., Cambridge City, Ind.
Bicknell Mfg. & Supply Co., Janesville, Wis.
Braun J. G., 609 S Paulina, Chicago, Ill.
Buffalo Forge Co., 490 B'way, Buffalo, N.Y.
Bullock Mfg. Associates, Springfield, Mass.
California Tool Works, 181 Beale, San Francisco, Cal.
Cleveland Punch & Shear Works, 3917 St. Clair av, Cleveland, Ohio
See adv index at end of book
Evansville Tool Works, 201 W Maryland, Evansville, Ind.
Excelsior Tool & Machine Co. ("Little Giant" Portable), 32nd & Ride, E St. Louis, Ill.
Heartley Machine Variety Iron & Steel Works, 900 Summit, Toledo, O.
Hendley & Whittemore Co., Beloit, Wis.
Kane & Roach, Syracuse, N. Y.
Keene Geo. C. & Co., 2327 Florence av Cincinnati, O.
Kidder J. F. Mfg. Co. ("Little Blacksmith"), Burlington, Vt.
Klemm E. R., 1453 Austin av, Chicago, Ill
Lewthwaite T. H. Machine Co., 413 E 31st New York
Little Giant Punch & Shear Co. ("Little Giant"), Sparta, Ill.
Loyd John Co., 1 Franklin, New York
New Doty Mfg. Co., Janesville, Wis.
Niagara Machine & Tool Works, Buffalo, N. Y.
PELS HENRY & CO., INC., 90 West, New York
See adv index at end of book
Perkins Machine Co. (Metal), Warren, Mass.
Redin-Ekstrom & Co., 1439 Railroad av, Rockford, Ill.
See adv index at end of book
Richards I. P. Co. ("U. S. Standard" Punches for Punching Iron & Steel), 23 Pemberton, Providence, R. I.
Rock River Machine Co. ("Badger" Boilermakers, Tinners, etc), Janesville, Wis.
Ryerson Jos. T. & Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Schatz Mfg. Co., Poughkeepsie, N. Y.
Strait H. N. Mfg. Co. (For Cooperage Mfrs.), Kansas City, Kans.
Union Mfg. Co. ("Union"), 300 Church, New Britain, Conn.
WATSON-STILLMAN CO., 38 Church, New York *See adv index at end of book*
Weiss H. & Co., 83 John, New York
Whitney Metal Tool Co. ("Whitney," "Uncle Sam's," "The Use's Pride" Portable), Rockford, Ill.

12005—Punches (Hand & Tube Hole)

Cleveland Punch & Shear Works, 3917 St. Clair av, Cleveland, Ohio
See adv index at end of book
CLEVELAND STEEL TOOL CO., 662 E 82nd, Cleveland, O.
See adv index at end of book
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Long & Allstatter Co., Hamilton, O.
See adv index at end of book
New Doty Mfg. Co., Janesville, Wis.
Richards I. P. Co., 23 Pemberton, Providence, R. I.
Rock River Machine Co., Janesville, Wis.

12006-7-8—Punches (Hollow)

Buffum Tool Co. ("Swastika" Tinners), South Side, Louisiana, Mo.
Niagara Machine & Tool Works, Buffalo, N. Y.
Osborne C. S. Co., Box 183, Newark, N. J.
See adv index at end of book
Peck, Stow & Wilcox Co., Southington, Conn.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Stortz John & Son, 210 Vine, Phila., Pa.
Syracuse Twist Drill Co. ("Syracuse"), Borden av, Syracuse, N. Y.

Punches (Horizontal)

See Punching Machines, Horizontal; also Machinery, Punching & Shearing

Punches (Hydraulic)

See Punching Machines, Hydraulic; also Machinery, Punching & Shearing

12009— Punches (Lever)

Hendley & Whittemore Co. ("Beloit"), Beloit, Wis.
Niagara Machine & Tool Works, Buffalo, N. Y.
Pels Henry & Co., Inc., 90 West, New York *See adv index at end of book*
Rock River Machine Co., Janesville, Wis.
Schatz Mfg. Co., Poughkeepsie, N. Y.

12010-11—Punches (Machine)

Imperial Machine Co., 1611 Central av, Minneapolis, Minn.
Pels, Henry & Co., Inc., 90 West, New York
See adv index at end of book
Richards I. P. Co. ("U. S. Standard"), 23 Pemberton, Providence, R. I.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Smith R. G. Tool & Mfg. Co., 249 N. J. R. R. av, Newark, N. J.
Stanley Rule & Level Co. (Atha Division), New Britain, Conn.

12012— Punches (Paper)

Benton Mfg. Co., 9 Bethune, New York
Globe-Wernicke Co. (The) ("Globe"), 25 Carthage av, Cincinnati, Ohio
See adv index at end of book
Grammes L. F. & Sons ("Keystone"), 311 Union, Allentown, Pa.
See adv index at end of book
Latham Machinery Co. ("Monitor"), 1153 Fulton, Chicago, Ill.
MORRILL CHAS., INC. ("Morrill" & "Apex" Brands, perforates ¼" thickness. Sizes ⅛" to ¼" by 32nds), 94 Lafayette, New York
See adv index at end of book
Proudfit Loose Leaf Co. ("Proudfit," Hand), Grand Rapids, Mich.
Tatum Sam'l C. Co., Office & Factory, 2062 Reading, Cincinnati, O.

12013— Punches (Pin)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Chicago Tool & Kit Co., 160 Whiting, Chicago, Ill.
Cincinnati Tool Co., Main & Waverly av, Cincinnati, Ohio
Cleveland Steel Tool Co., 662 E 82d, Cleveland, O.
See adv index at end of book
Cornwall Quality Tools Co., Dept. H, Cuyahoga Falls, O.
Enderes, Inc., Albert Lea, Minn.
Goodell-Pratt Co., Greenfield, Mass.
Hubbard & Co., 63d & Butler, Pittsburgh, Pa.
Syracuse Twist Drill Co. ("Syracuse"), Borden av, Syracuse, N. Y.
Tuck Mfg. Co., Brockton, Mass.

Punches (Pneumatic)

See Pneumatic Punches

12014— Punches (Portable)

American Lock Nut & Tool Co. ("Lightning" Hand for Punching Holes in Angle Iron, etc), Oregon, Ill.
Armstrong-Blum Mfg. Co. ("Marvel," All Steel), 337 N Francisco av, Chicago, Ill.
Braun J. G., 609 S Paulina, Chicago, Ill.
Chambersburg Engineering Co., Chambersburg, Pa.
Cleveland Punch & Shear Works, 3917 St. Clair av, Cleveland, Ohio
See adv index at end of book
Danzer Metal Works ("Danzer-Handy"), Hagerstown, Md.
Excelsior Tool & Machine Co. ("Little Giant"), 32d & Ridge, East St. Louis, Ill.
Kidder J. F. Mfg. Co. ("Little Blacksmith"), Burlington, Vt.
Little Giant Punch & Shear Co., Sparta, Ill.
Pels Henry & Co., Inc., 90 West, New York *See adv index at end of book*
Rock River Machine Co., Janesville, Wis.
Schatz Mfg. Co., Poughkeepsie, N. Y.
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book
Whitney Metal Tool Co. ("Whitney," Hand Angle Iron, etc), Rockford, Ill.

Punches (Power)

See Machinery, Punching & Shearing.

Punches (Revolving)

See Punches, Belt & Saddlers', Revolving, etc.

12015—Punches (Rivet Hole)

CLEVELAND STEEL TOOL CO., 662 E 82nd, Cleveland, O.
See adv index at end of book
Helwig Mfg. Co., 422 E 7th, St. Paul, Minn.
Richards I. P. Co. ("U. S. Standard"), 23 Pemberton, Providence, R. I.
Roberts Tool Co., Irvington, N. J.

12016—Punches (Rolled Head)

Cleveland Steel Tool Co., 662 E 82nd, Cleveland, O.
See adv index at end of book

Punches (Round or Saddlers')

See Punches, Belt & Saddlers', Drive

12017— Punches (Saw)

Disston Henry & Sons ("Midget"), Tacony, Phila., Pa.
Goodell-Pratt Co., Greenfield, Mass.

Punches (Screw)

See Punches, Boilermakers', Screw

12018— Punches (Scroll)

Little Giant Punch & Shear Co., Sparta, Ill.

12019—Punches (Sheet Metal)

Chambersburg Engineering Co., Chambersburg, Pa.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Excelsior Tool & Machine Co., 32nd & Ride, E. St. Louis, Ill.
Helwig Mfg. Co., 422 E 7th, St. Paul, Minn.
John's Stamping & Machine Works Co., 1715 Leonard, Cleveland, O.
Kautz Fred C. & Co. (Letter & Figure), 2633 W Lake, Chicago, Ill.
Pels Henry & Co., Inc., 90 West, New York *See adv index at end of book*
Richards I. P. Co. ("U. S. Standard"), 23 Pemberton, Providence, R. I.
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book

12020— Punches (Solid)

See also Punches, Tinners', Solid Drive
Anderson W. H. Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Bullock Mfg. Co., Springfield, Mass.
Cincinnati Tool Co., Main & Waverly av, Cincinnati, Ohio
Enderes, Inc. (Round & Square Point), Albert Lea, Minn.
Plomb Tool Mfg. Co., 2209 Santa Fe av, Los Angeles, Cal.
Richards I. P. Co. ("U. S. Standard"), 23 Pemberton, Providence, R. I.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Syracuse Twist Drill Co ("Syracuse"), 936H Grape, Syracuse, N. Y.
Vichek Tool Co. ("Vichek"), 3000 E 87th, Cleveland, O.

12021— Punches (Spiral, Spring Center)

Cleveland Steel Tool Co. (Adjustable, Extension & Reducing), 662 E 82nd, Cleveland, O.
See adv index at end of book

12022— Punches (Spring)

Exell Mfg. Co. ("XL"), New Haven, Conn.
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Meyers Fred J. Mfg. Co., Hamilton, O.
Osborne C. S. & Co., Box 183 Harrison, N. J.
See adv index at end of book
Sacks Louis, Wilson av, Newark, N. J.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Schollhorn Wm. Co. ("Lodi"), New Haven, Conn.
Springfield Machine Co., 20 Cypress, Springfield, Mass.

12023—Punches (Square End)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.

Punches (Ticket)

See Punches, Conductors' Ticket

12024—*Punches (Tie Plate)

Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Long & Alstatter Co. (The), Hamilton, O.
See adv index at end of book

12024a—Punches (Tie Plug)

Hubbard & Co., 63d & Butler, Pittsburgh, Pa.

12025—Punches (Tinners', Solid Drive)

Bagshaw & Field, 445 N 5th, Phila., Pa.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Browne & Dowd Mfg. Co., Meriden, Conn.
Buck Bros., Millbury, Mass.
Cleveland Steel Tool Co., 662 E 82nd, Cleveland, O.
See adv index at end of book
Cronk & Carrier Mfg. Co., 150 Lake, Elmira, N. Y.
Goodell-Pratt Co. (Knurled), Greenfield, Mass.
Kraeuter & Co., 583 18th av, Newark, N. J.
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Mayhew H. H. Co., Shelburne Falls, Mass.
Merchant & Evans Co., Washington av & 21st, Philadelphia, Pa.
Niagara Machine & Tool Works, Buffalo, N. Y.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Smith H. D. & Co. ("Sharpenezy"), Plantsville, Conn.
Snell Mfg. Co., Fiskdale, Mass.
Stortz Jno. & Son, 210 Vine, Phila., Pa.
Syracuse Twist Drill Co. ("Syracuse" Solid & Self Centering Sheet Metal), Borden av, Syracuse, N. Y.
Tuck Mfg. Co., Brockton, Mass.
Vaughan & Bushnell Mfg. Co., 2114 Carroll av, Chicago, Ill.
Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.
Williams William, Jr., New Britain, Conn.

12026— Punches (Track)

Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.
Beall Bros., Alton, Ill.
Evansville Tool Works, 201 W Maryland, Evansville, Ind.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Iron City Tool Works (Ltd.), 3201 Smallman, Pittsburgh, Pa.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Klein-Logan Co., 13th & Breed, Pittsburgh, Pa.
KLING BROS. ENGINEERING WORKS, 1300 N Kostner av, Chicago, Ill.
See adv index at end of book
Richards I. P. Co. ("U. S. Standard"), 23 Pemberton, Providence, R. I.
Schatz Mfg. Co., Poughkeepsie, N. Y.
Verona Tool Works, Plum, Pittsburgh, Pa.
Warwood Tool Co., 19th, Warwood, Wheeling, W. Va.
WATSON-STILLMAN CO. (Hydraulic), 38 Church, New York
See adv index at end of book
Western Tool & Forge Co., Brackenbridge, Pa.

12026a—Punches & Dies (Boilermakers)

Richards I. P. Co. ("U. S. Standard"), 23 Pemberton, Providence, R. I.
Wickes Bros., 512 N Tilden, Saginaw, Mich.
See adv index at end of book

Punching & Shearing Machinery

See Machinery, Punching & Shearing

12026b— *Punts

Fulton Iron Works Co. (Cane), St. Louis, Mo.

12027—Purifiers (Feed Water)

See also Heaters, Feed Water; also Filters, Feed Water
Am. Water Softener Co. ("American"), 4th & Lehigh, Phila., Pa.
Bates Machine Co. ("Cookson" System), Joliet, Ill.
Berry Engineering Co. ("Berry" "Monograph"), Chester, Pa.
Dodge Mfg. Corp., Mishawaka, Ind.
Frost Mfg. Co. ("Continental"), Galesburg, Ill.
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Graves & Marshall Co., Dayton, O.
Griscom-Russell Co. ("Massillon" Open Feed Water Heater, Purifier & Oil Extractor, "Stratton" and "Bundy" & "Russell" Separators and Reilly Multiscreen Filters), 92 West, New York
See adv index at end of book
Harrisburg Pipe & Pipe Bending Co., Herr nr 10th, Harrisburg, Pa.
Hoppes Mfg. Co., Springfield, O.
Horstman F. W. Co., Irvington, N. J.
Liberty Mfg. Co., Pittsburgh, Pa.
Linton Machine Co., 101 Park av, New York
Loomis-Manning Filter Distributing Co., 1421 S 37th, Phila., Pa.
Milwaukee Reliance Boiler Works ("Perfection," Heater & Purifier), 1102 32d, Milwaukee, Wis.
Parsons J. H. Chemical Co. ("A. B. C."), 140 N Dearborn, Chicago, Ill.
Patterson Kelley Co. ("Patterson," "Berryman"), 804 Architects bldg, New York *See adv index at end of book*
Pittsburgh Water Heater Co., Jenkins bldg, Pittsburgh, Pa.
Platt Iron Works Co., Dayton, O.
Power Plant Specialty Co. ("Vater"), 53 W Jackson blvd, Chicago, Ill.
Pratt & Cady Co., Inc. ("Beryman" & Gleaner" Heater & Purifiers), Hartford, Conn.
Reiter E. H., Elgin, Ill.
Ross Mfg. Co., Northville, Mich.
Ross Valve Mfg. Co. ("Railton Campbell"), 6H Oakwod av, Troy, N. Y.
SCAIFE WM. B. & SONS CO. ("Scientific"), First National Bank bldg, Pittsburgh, Pa. & 26 Cortlandt, New York. *See adv index at end of book*
Sharkey & Peck ("Colles" Automatic Live Steam Filter & Purifier), 2433 W 18th Chicago, Ill.
Standard Water Systems Co. ("Tripure"), Hampton, N. J.
Stewart Heater Co. (Feed Water Purifying Apparatus), N Tonawanda, N. Y.
Tracy Engineering Co., 486 6th, San Francisco, Cal.
United Iron Works, Inc., Kansas City, Mo.
Webster Warren & Co. (Chemical Feed Water), Camden, N. J.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Whitlock Coil Pipe Co., Hartford, Conn.

12028—Purifiers (Flour & Meal)

Allis Chalmers Mfg. Co. (Flour Mill), Milwaukee, Wis.
See adv index at end of book
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Great Western Mfg. Co., Leavenworth, Kan.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Robinson H. Mfg. Co., Muncy, Pa.
Sprout Waldron & Co., Muncy, Pa.
See adv index at end of book

12029—Purifiers (Middlings)

Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Wolf Co., Chambersburg, Pa.

Purifiers (Oil)

See Filters, Oil

12030—Purifiers & Scrubbers (Gas)

See also Gas Works Apparatus & Construction; also Gas Works Machinery, etc.

Bartlett Hayward Co. (Centrifugal), Scott & McHenry, Baltimore, Md.
Columbiana Boiler Co., Columbiana, O.
Cruse-Kemper Co., Ambler, Pa.
Dover Boiler Works. Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Flinn & Dreffein Co., 431 S Dearborn, Chicago, Ill.
Freyn Brassert & Co., 310 S Michigan av, Chicago, Ill.
Gas Engineering Co., Trenton, N. J.
Gas Machinery Co. (Rotary), 1900 Euclid av, Cleveland, O.
Glamorgan Pipe & Foundry Co., Lynchburg, Va.
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Holly Pneumatic Systems, Inc., 145H W 45th, New York
Isbell-Porter Co. (Rotary Ammonia & Shaving), 46 Bridge, Newark, N. J.
Lummus Walter E. Co., 171 Milk, Boston, Mass.
Meehan Boiler & Cons. Co., Lowellville, O.
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del. *See adv index at end of book*
Quintard Iron Works Co., 40 Wall, New York
Riter-Conley Co., Oliver bldg., Pittsburg, Pa.
SMITH GAS ENGINEERING CO., Dayton, Ohio *See adv index at end of book*
Stacey Bros. Gas Constr. Co., 5535 Carthage pike, Cincinnati, O.
Stacey Mfg. Co. ('Cholfar's" System of Gas Purification), Big Four RR Township av, Elmwood, Cincinnati, O.
Steere Engineering Co., General Motors bldg, Detroit, Mich.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.
WOOD R. D. & CO., 400 Chestnut, Phila, Pa.

12031— Push Button Centers

Auburn Button Works, Inc., Auburn, N. Y.
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Hemming Mfg. Co., Garfield, N. J.
Scranton Button Co. (Lacanite), Scranton, Pa.
Waterbury Button Corp., 831 S Main, Waterbury, Conn. *See adv index at end of book*

12032— Push Buttons

For Other Electrical Specialties, See Index of Contents
American Hard Rubber Co., 9 Mercer, New York
Ansonia Electrical Co., Ansonia, Conn.
Auth Elec. Specialty Co., 422H E 53rd, New York
Benjamin Electric Mfg. Co. ("Tip-Top"), 120 S Sangamon, Chicago, Ill.
Bogert & Hopper, Inc. (Electric Wood), 57 Barclay, New York *See adv index at end of book*
BRYANT ELECTRIC CO. (Automobile Horn, Desk, Wall), 1421 State, Bridgeport, Conn.
Bunnell J. H. & Co., 32 Park pl, New York
Cleverly Electrical Works, 17 N 7th, Phila., Pa.
Consolidated Car Heating Co., Albany, N. Y.
Continental Fibre Co. (Fibre), Newark, Del.
Corbin P. & F. ("Corbin" Electric), Dept. H, New Britain, Conn.
Couch S. H. Co. ("Workrite," "Pushrite"), Quincy, Mass.
CUTLER HAMMER MFG. CO., 12th St. Paul av, Milwaukee, Wis. *See adv index at end of book*
DELAWARE HARD FIBRE CO., Wilmington, Del. *See adv index at end of book*
Edwards & Co. ("Midget," "Dixie," "New Mite") Exterior av & 140th, New York
Electric Controller & Mfg. Co., Cleveland, O. *See adv index at end of book*
Electrical Sales Co. (Auto Horn Floor), 176 Federal, Boston, Mass.
ESTES E. B. & SONS (Electric, Wood), 364 5th av, New York *See adv index at end of book*
Fitzgerald Mfg. Co. ("Clero"), Torrington, Conn.
Francis-Rand Co., Erie Bldg, Cleveland, O.
General Phonograph Mfg. Co. (Auto Horn) Elyria, O.
Giant Mfg. Co., Council Bluffs, Ia.
Hemming Mfg. Co., Garfield, N. J.
Holtzer-Cabot Electric Co., 125 Amory, Boston, Mass.
International Insulating Corp. (Rubber & Elborine), 25 W 45th, New York
Keil Francis & Son ("Anti-Wood," "Anti-Screw Midget"), 401 E 163d, New York
Knickerbocker Annunciator Co., 116 West, New York
Lovell F. H. & Co. ("Double Eagle"), Arlington, N. J.
Manhattan Electrical Supply Co. (Automobile Metal Navy Standard & Watertight), 17 Park pl, New York
Minerallac Elec. Co. (Portable desk), 1045 Washington blvd, Chicago, Ill.
MORSE FRANK W. ("Workrite"), 239 Congress, Boston, Mass. *See adv index at end of book*
Murdock W. J. Co., Chelsea, Mass.
Napier-Browning Co. (Celluloid), 105 W 40th, New York
Ostrander W. R. & Co., 371 Broadway, New York
Partrick & Wilkins Co., 51 No. 7th, Phila, Pa.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Russell Elec Co. (Auto Horn), Danbury, Conn.
Russell & Erwin Mfg. Co., New Britain, Conn.
Samson Electric Co., 237 Washington, Canton, Mass.
Sargent & Co., Water & Walce, New Haven, Conn.
Schwarze Electric Co., Adrian, Mich.
Seng Auto Device Co. (Auto Horn), 1452 Dayton, Chicago, Ill.
Spencer's I. S. Sons, Inc. (Ordinary), Guilford, Conn.
Stanley & Patterson ("Devean"), 23 Murray, New York
Starr Bros. Bell Co., East Hampton, Conn.
Stevenson Mfg. Co. (Wood), South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Taylor & Boggis Foundry Co., Cleveland, Ohio
Union Hardware Co. (Wood), Torrington, Conn.
Wadsworth Novelty Mfg. Co., Wadsworth, O.
Walsh Owen Mfg. Co., 225 6th av, New York
Western Electric Co., 463 West, New York

12033—Push Plates (Plate Glass)

Anderson Geo. H. & Co., 1467 W Austin av, Chicago, Ill.
Champion Hardware Co., Geneva, O.
Tru Lite Mfg. Co. ("Tru-Lite"), Dept. H, Bradford, Pa.

Pushers (Car)

See Car Movers or Pushers

12034— Pushers (Coke)

Alliance Machine Co. (Combined Pusher & Leveler), Alliance, O.
ATLAS CAR & MFG. CO. (Electric), Cleveland, O. *See adv index at end of book*
Gas Machinery Co., 1900 Euclid av, Cleveland, O.
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, O.

12034a— Pushers (Pipe)

Giant Mfg. Co., Council Bluffs, Ia.

12035— Putty (Calking)

Armstrong Co., South & Post av, Detroit, Mich.
Asbestos Products Co. ("Triangle Brand"), E 1202 Sprague av, Spokane, Wash.
Pecora Paint Co. ("Rhino"-brand calking & Glazing compound), 4th & Sedgley av, Philadelphia, Pa.
Weatherproof Calking Co. ("Hennen" Elastic, for Walls, etc), Minneapolis, Minn.

12036—Putty (Glaziers' & Painters')

Acme White Lead & Color Works, St. Aubin & M. C. R. R., Detroit, Mich.
Asbestos Products Co. ("Triangle Brand"), Spokane, Wash.
Allen Paint & Putty Works, 334 N Ashland ave, Chicago, Ill.
Allentown Mfg. Co., 24 S 6th, Allentown, Pa.
Armstrong Co. ("Tharco" Stove, Boiler, Metal Sash, etc.), 226H Post ac, Detroit, Mich.
Belknap Moran Allen Co., 5 Ainslie, Brooklyn, N. Y.
Briggs Maroney Co. Inc. ("Peerless"), 85 Paris, Everett, Mass.
California Paint Company, 1797 12th, Oakland, Cal.
Chicago White Lead & Oil Co., 1454 S Western av, Chicago, Ill.
Colebrook's W. H. Sons, Syracuse, N. Y.
Connors Wm. Paint Mfg. Co. ("American Seal" White Lead), Troy, N. Y.
Crandall E. V. Oil & Putty Mfg. Co., 1105 Metropolitan av, Brooklyn, N. Y.
Devoe & Raynolds Co., Inc., 101 Fulton, New York
Dicks-Pontius Co., Dayton, O.
Felton, Sibley & Co., 136 N 4th, Phila., Pa.
French Samuel H. & Co., 4th & Callowhill, Phila., Pa.
Gibson Paint Co., 1645 E 12th, Oakland, Cal.
Globe Paint Co., Williamsport, Pa.
Glokner & Blue Co., 2472 3rd av, New York
Grote Geo. W. & Co, 430 E 102d, New York
Hammond Benjamin, Beacon, N. Y.
Hetzel J. G. (Est of), (Plumbers'), 67 Main, Newark, N. J.
Jacobs S. & Sons, 1365 Flushing av, Brooklyn, N. Y.
Kent & Purdy Paint Co. ("K. & P."), 307 N Main, St. Louis, Mo.
Lancaster Paint & Glass Co., Lancaster, Pa.
Louisville Lead & Color Co., Louisville, Ky.
Lucas John & Co., 322 Race, Phila., Pa.
Mound City Pant & Color Co., 11th & Mullanphy, St. Louis, Mo.
Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.
Patton Paint Co., Milwaukee, Wis.
Pecora Paint Co., 4th & Sedgley ave, Phila, Pa.
Ruth B. F. & Co., Reading, Pa.
Rutland Fire Clay Co. ("Rutland"), Rutland, Vt.
Tucker Mfg. Co., 17 E 137th, New York
Underhay Oil Co., 73 Batterymarch, Boston, Mass.
Weatherproof Calking Co. ("Hennen's" Weatherproof), Minneapolis, Minn.
Wilhelm A. Co., Reading, Pa.

12037— Putty (Greenhouse)

Hitchings & Co., Dept. H, Spring, Elizabeth, N. J.
Patton Paint Co. (Liquid), Milwaukee, Wis.

12038—Putty Mfrs. (Stovemakers')

Armstrong Co. ("Tharco" Asbestos), 226H Post av, Detroit, Mich.
Cleveland Stone Co., 1836 Euclid av, Cleveland, O.
Colebrook's W. H. & Sons ("Colebrook Crown"), Syracuse, N. Y.
Connors Wm. Paint Mfg. Co., Troy, N. Y.
Pecora Paint Co., 4th & Sedgley av, Phila., Pa.
Rutland Fire Clay Co. ("Rutland"), Rutland, Vt.
Tucker Mfg. Co., 17 E 137th, New York

Putty Ornaments

See Ornaments, Composition

12039— Putty Powder

Chrystal Chas. B. Co. Inc. (Jobbers), 13 Cliff, New York *See adv index at end of book*
Doggett Stanley, 11 Cliff, New York
Drakenfeld B. F. & Co., Inc. (Sales Agts), 50 Murray, New York
Harrison Supply Co., 209 Washington, Boston, Mass.
Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O. *See adv index at end of book*
Johnston & Jennings Co. (All Grades), Addison rd & N. Y. C. R. R., Cleveland, O.
Kerner W. R. & Co., 1329 Thorndale av, Chicago, Ill.
Pittsburgh Crushed Steel Co., 61st & A. V. R. R., Pittsburgh, Pa.
Rhodes Jas. H. & Co. (Green & White), 2810 S Albany, Chicago, Ill.
Thurston F. W. Co. ("Fil-Tite," a Granite Hard Cold Water Crack Filler), 1833 S Clark, Chicago, Ill.
Wiarda John C. & Co. (Tin Oxide), 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

12040— Putty (Roof)

Armstrong Co., 226 Post av, Detroit, Mich.
French Samuel H. & Co., 4th & Callowhill, Phila., Pa.
Johns-Manville Inc. (Asbestos), Madison av & 41st, New York
Milwaukee Corrugating Co. (Jobbers), Milwaukee, Wis.

12040a— *Pyralin

DU PONT E. I. de NEMOURS & CO. INC. Pyralin Div. (Sheeting, Tubing, Rods & Toilet Articles. See Adv at Celluloid), Arlington, N. J. *See adv index at end of book*

12041— Pyretometers

Randall-Faichney Co. ("R. & B."), Boston, Mass.

12042— Pyridine

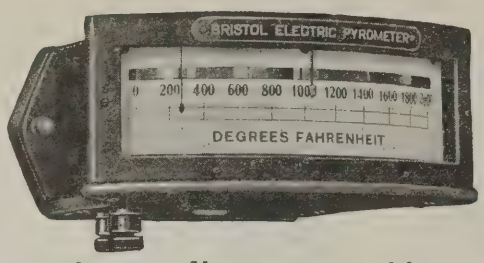
Barrett Co., 17 Battery pl, New York
INDUSTRIAL CHEMICAL CO., 1414 Fifth Ave bldg, New York *See adv index at end of book*
Jordan Wm. E. Bro., 15 Cliff, New York
National Ammonia Co., Van Kirk, Phila. & St. Louis
Riddle Chemical Co. (For Denaturing), 35 S Dearborn, Chicago, Ill. *See adv index at end of book*

Pyrites of Iron

See Ores, Pyrites

Pyrolusite

See Oxide of Manganese



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12043— Pyrometers

Albrecht Francis J. (For Baker's Ovens), 1146 Penn av, Pittsburgh, Pa.
Beighley Electric Co. (Compensated Recording), 1988 E 66th, Cleveland, O.
Braun-Knecht Heimann Co. (Recording), 576-584 Mission, San Francisco, Cal
BRISTOL CO., ("Bristol's" Indicating Electric, Recording Electric & Combination Indicating & Recording), Waterbury, Conn.
See adv index at end of book
BROWN INSTRUMENT CO. ("Brown," Electric Recording, etc), 4522 Wayne av, Phila., Pa.
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
Denver Fire Clay Co., 1746 Champa, Denver, Col.
Du Vivier Ernest H. (Imp), 30 Church, New York
Engelhard Charles ("Engelhard Le Chatelier"), 30 Church, New York
FOXBORO COMPANY, THE ("Foxboro"), Foxboro, Mass.
See adv index at end of book
Frink Pyrometer Co. ("Frink"), Lancaster, O.
Hoskins Mfg. Co. ("Thermo-Electric"), 4435 Lawton, Detroit, Mich.
Leeds & Northrup Co. (Electric Resistance Potentiometer, Type & Optical), 4901H Stenton av, Phila., Pa.
National Gauge Co. ("National"), 300 Pacific, Brooklyn, N. Y.
Oelschlaeger Bros. (Importers), 226 E 23d, New York
Pelton & Crane Co., 632 Harper, Detroit, Mich.
Phila. Thermometer Co., 9th & Arch, Phila., Pa.
Precision Thermometer & Instrument Co., 1435 Brandywine, Phila., Pa.
Price Electric Co., 12369 Euclid av, Cleveland, O.
Pyrolectric Instrument Co. ("Northrup Pyrovolter"), Trenton, N. J.
Queen & Co., 618 Chestnut, Phila, Pa.
Queen-Gray Co., 64-70H W Johnson, Phila., Pa.
REPUBLIC FLOW METERS CO. (Recording and Indicating), 2200 Diversey pky, Chicago, Ill.
Sander C. O., Irvington, N. J.
Scientific Instrument Co., Marquette bldg, Detroit, Mich.
Scientific Materials Co. ("Scimatco," Optical), 717 Forbes, Pittsburgh, Pa.
SHORE INSTRUMENT & MFG. CO., THE ("Pyroscope" Optical Pyrometers for High Temperatures), Jamaica, N. Y.
Stupakoff S. H. ("Le Chatelier"), 6639 Hamilton av, Pittsburgh, Pa.
Superheater Co., 17 E 42d, New York
Tagliabue Chas. J. Mfg. Co. (Maximum 1000°F), 18 33d Brooklyn, N. Y.
Taylor Instrument Companies ("Fery" Radiation, etc.; also "Tycos"), Rochester, N. Y.
Thompson-Levering Co. ("Peerless" Jobbins), 325 Arch, Phila., Pa.
Thwing Instrument Co. (Indicating & Recording Electric Resistance & Radiation), 3339 Lancaster av, Phila., Pa.
Uehling Instrument Co. ("Pneumatic"), (Pneumatic Recording), 71 Broadway, New York
Weinhagen & Hecke, 159 Leonard, New York
WILSON-MAEULEN CO. ("Tapalog," "Monopivot"), 383 Concord av, New York
Zaubitz August (Smokestack; Up to 3000 Degrees Fahr), 95 Cliff, New York

12043a— Pyroxylin Plastics

DU PONT E. I. DE NEMOURS & CO., INC., Pyralin Div. (See Adv at Celluloid. See also Sheeting Pyralin, Tubing Pyralin and Toilet Articles), Arlington, N. J.
See adv index at end of book
Fiberloid Corp., Dept. H, Indian Orchard, Mass.
Sergeant E. M. Co., 131 Cedar, New York

12044—Pyroxylin Solutions

Alcohol Products Co., Blanchard, Newark N. J.
Celluloid Zapon Co., 247 Park av, New York
Nixon Nitration Wks, New Brunswick, N. J.

12044a— Pyxol

Barrett Co., 17 Battery pl, New York

Quarries

See Cement Manufacturers; Granite Producers, etc.; Lime Manufacturers, Marble Producers; Roofing Slate Manufacturers; Stone Producers

12044b—Quarry Equipment & Supplies

Albert & Davidson Pipe Corp., 256-264 Oakland, Brooklyn, N. Y.
See adv index at end of book
Penn Foundry & Mfg. Co. (Cars & Buckets), Reading, Pa.
Republic Pipe & Iron Corp., 23H Varick av, Brooklyn, N. Y.
See adv index at end of book

Quarry Hoists & Machinery

See Hoists of Various Kinds; Cranes of Various Kinds; Drills, Rock; Derricks; Engines, Hoisting, etc.

12044c— Quarry Powder

Atlas Powder Co., Wilmington, Del.
Giant Powder Co., Cons., San Francisco, Cal.
McAbee G. R. Powder & Oil Co., Oliver bldg, Pittsburgh, Pa.
Trojan Powder Co., Jordan Station, Allentown, Pa.

12045— Quartz

Adams Enos Co., Bennington, Vt.
Carolina Mineral Co., Penland, N. C.
Chrystal Chas. B. C. Inc. ('Imp.), 13 Cliff, New York
See adv index at end of book
Garden City Sand Co., **Chamber of Commerce**, Chicago, Ill.
GENERAL ELECTRIC CO. (Cleared Fused), Schenectady, N. Y.
See adv index at end of book
Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
New England Quartz Co. of N. Y. (Granulated), 150 Nassau, New York
NEW YORK PYRITES CO., INC., 25 Broad, New York
Product Sales Co., Equitable bldg, Baltimore, Md.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Thermal Syndicate, Ltd., 58 Schenectady, New York
Vitro Manfg. Co., H, Bessemer bldg, Pittsburgh, Pa.
Wausau Quartz Co. (Miners & Crushers of White Quartz & Flint), Wausau, Wis.
WEDRON SILICA CO., 36 S Dearborn, Chicago, Ill.
Wiarda John C. & Co. (Jobbers), 82 Provost, Brooklyn, N. Y.
See adv index at end of book

12046— Quartz (Glass)

Engelhard Chas. (Transparent), (Selling Agent), 30 Church, New York
HANOVIA CHEMICAL & MANUFACTURING CO., 100 Chestnut, Newark, N. J.
Thermal Syndicate, Ltd., 58 Schenectady, New York

12047— Quenchers (Coke)

Gas Machinery Co., 1900 Euclid, Cleveland, O.

12048— Quicksilver

Atkins Kroll & Co., 260 California, San Francisco, Cal.
Chisos Mining Co., 61 Exchange, Portland, Me.
Gould H. W., Hobart bldg, San Francisco, Cal.
Haas Bros. (American & Imported), 120 B'way, New York
International Minerals & Metals Corp., 61H Broadway, New York
McKesson & Robbins (Imp.), 91 Fulton, New York
New Almedan Quicksilver Co., Kohl bldg, San Francisco, Cal.
Taft J. H. Co. (Imp.), 100 William, New York
Vogelstein L. & Co., 42 B'way, New York

12049— Quinine

Cooper & Cooper Inc. (Sulphate), 23H Cliff, New York
Greeff R. W. & Co., 80 Maiden Lane, New York
Hunnell & Co., 136 Liberty, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
New York Quinine & Chemical Works, 152 William, New York
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.
Riddle Chemical Co. (Sulphate), 35 S Dearborn, Chicago, Ill.
See adv index at end of book
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book
Takamine Commercial Corp., 120 Broadway, New York

Quoits (Rubber)

See Dumb Bells & Quoits

12050-1— Rabbitts (Iron)

Illinois Iron & Bolt Co., Carpentersville, Ill.

12052— *Rabble Blades

AMERICAN ABRASIVE METALS CO. (Wear & Acid Resisting "Feralun," "Plumbalun"), 50 Church, New York

12053— Racks (Baggage)

Adams & Westlake Co., 319 W Ontario, Chicago, Ill.
Boyle Mfg. Co., 5100H Santa Fe av, Los Angeles, Cal.
Corry-Jamestown Mfg. Co., Corry, Pa.
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J
Howard Jas. L. & Co., Hartford, Conn.
Kales Stamping Co., 1680 W Lafayette blvd, Detroit, Mich.
See adv index at end of book

Rostand Mfg. Co. ("McCarthy's" Hat & Baggage Racks for Cars), Milford, Conn.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.

12054— Racks (Bar Steel)

Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
BROWN ENGINEERING CO., 110 N 3rd, Reading, Pa.
Durand Steel Locker Co., 76 W Monroe, Chicago, Ill.
LUPTON'S DAVID SONS CO., Allegheny av & Tulip, Phila., Pa.
See adv at Shelving Steel
Medart Fred Mfg. Co., St. Louis, Mo.
Pekor Iron Works, Columbus, Ga.
Polland Brothers, 4040 N Tripp av, Chicago
REVOLVATOR CO. ("Revolvator"), 395 Garfield av, Jersey City, N. J.
See adv index at end of book

12054a— *Racks (Barrel)

Heller P. A. & Sons, 213 State, Detroit, Mich.
REVOLVATOR CO., 395 Garfield av, Jersey City, N. J.
See adv index at end of book



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12054b— *Racks (Basket)

DURABILT STEEL LOCKER CO., Aurora, Ill.
See adv index at end of book

Racks (Bicycle)

See Stands, Bicycle

12055—Racks (Book & Catalogue)

Art Metal Construction Co. (Steel & Map), Jamestown, N. Y.
Bogert & Hopper, Inc. (Wood), 47 Barclay, New York
See adv index at end of book
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Durand Steel Locker Co., 76 W Monroe, Chicago, Ill.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Fall Creek Mfg. Co., Mooreville, Ind.
GLOBE-WERNICKE CO., THE, 25 Carthage av, Cincinnati, O.
See adv index at end of book
Rostand Mfg. Co. ("Rostand"), Milford, Conn.
Watson Mfg. Co., Jamestown, N. Y.

Racks (Broom)

See Racks, Display

12056— Racks (Cable)

Cook Frank B. Co., 2700 Southport, Chicago, Ill.
Cope T. J. ("Cope's"), 2112 Sansom, Phila., Pa.
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Efficiency Elec. Co. & Wall, East Palestine, O.
Hubbard & Co. (Underground), 63rd & Butler, Pittsburgh, Pa.
Lanz M. Bolt Co. (For Manholes), 2907H Carson, Pittsburgh, Pa.
Metropolitan Device Corp. (For Subway Cable), 1250 Atlantic av, Brooklyn, N. Y.
Standard Underground Cable Co., 17th & Pike, Pittsburgh, Pa.

12057— Racks (Car)

Dayton Mfg. Co. (Car Basket Racks), Dayton, O.
Wallace Supplies Mfg. Co. ("Wallace" Parcel, etc), 412 Orleans, Chicago, Ill.

12058—Racks (Card, Wire)

Parker Wire Goods Co. (Wire Folding), Worcester, Mass.
Progressive Wire Goods Co., Williamstown, Pa.
Wickwire Spencer Steel Corp. (Adjustable Folding Racks), 41 E 42nd, New York
See adv index at end of book
Woods, Sherwood Co. ("Sherwood's Spiral Wire), 28 Union, Worcester, Mass.

12059— Racks (Chair Rod)

Berbecker & Rowland Mfg. Co. (Brass), Waterville, Conn.

12060— Racks (Core)

Allsteelequip Co., Aurora, Ill.
Bernstein Mfg. Co., 3d & Allegheny, Phila., Pa
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Durand Steel Locker Co., 76 W Monroe, Chicago, Ill.
Heller P. A. & Sons, 213 State, Detroit, Mich.
Lyon Metallic Mfg. Co. ("Lyon" Steel), Aurora, Ill.
Medart Fred Mfg. Co., St. Louis, Mo.
Young Bros. Co., 6560 Mack av, Detroit, Mich.

12061— Racks (Cut)

Blount Engineering Co., 100 High, Boston, Mass.
Boston Gear Works ("Boston") (Brass & Steel), Norfolk Downs, Quincy, Mass.
See adv index at end of book
Brown A. & F. Co., 79 Barclay, New York
Crofoot Gear Co. Inc., Readville, Mass.
Fawcus Machine Co., 2818 to 2828 Smallmann, Pittsburgh, Pa.
See adv index at end of book
FOOTE BROS. GEAR & MACHINE CO. (Machine), 217 N Curtis, Chicago, Ill.
See adv index at end of book
FOOTE GEAR WORKS, 430 N Oakley blvd, Chicago, Ill.
See adv index at end of book
GANSCHOW WM. CO., 1017 Washington blvd, Chicago, Ill.
See adv index at end of book
Horsburgh & Scott Co., 5110 Hamilton av, Cleveland, O.
JAMES D. O. MFG. CO., 14-20 W Monroe, Chicago, Ill.
See adv index at end of book
Jones W. A. Foundry & Machine Co., (Spur Gear, etc.), 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Massachusetts Gear & Tool Co., Woburn, Mass.
Meacham Gear Corp., Syracuse, N. Y.
See adv index at end of book
Meisel Press Mfg. Co., 942 Dorchester av, Boston, Mass.
Newark Gear Cutting Machine Co., 69 Prospect, Newark, N. J.
Nuttall R. D. Co. (Machine Cut, Steel), McCandless & Harrison av, Pittsburgh, Pa.
Philadelphia Gear Works (Brass, etc.), E Vine, Philadelphia, Pa.
Simonds Mfg. Co., Liberty & 25th, Pittsburgh, Pa.
STANDARD GAUGE STEEL CO. (Finished Cut Steel), Beaver Falls, Pa.
See adv index at end of book

12062— Racks (Desk)

Berbecker & Rowland Mfg. Co. (Brass), Waterville, Conn.

12063— Racks (Display)

Acme Level & Mfg. Co. (For Tools, etc.), Archbald, Ohio
Acme Woodworking Co., 514 W 46th, New York
Angle Steel Stool Co., Otsego, Mich.
Best John H. ("Best" Revolving Whip Rack & Display Stand, Also Robe Blanket, Linoleum, Lace Curtain, Drapery, Rug, etc), Galva Ill.
Bowser R. M. & Son ("Bowser" Wire Cloth), Renfrew, Pa.
Brager B. (Wood & Metal), 85 5th av, New York
Bryan Novelty Mfg. Co. (Also Newspaper, Oilcloth, etc), Bryan, O.
California Form & Fixture Co., 1618 San Pablo av, Oakland, Cal.
Dreyer H. G. & Son Co. (Saddlery, etc), Cleveland, O.
Federal Steel Fixture Co., Wrigley bldg, Chicago, Ill.
Fischer Chas. Spring Co., 240 Kent av, Brooklyn, N. Y.
Flanders A. F. Mfg. Co. ("Schilling" Adjustable), White bldg, Buffalo, N. Y.
Globe Mfg. Co. (For Handles), Perry, Ia.
Goldberg Display Fixtures Co., 135 W 23rd, New York
Heitlerkurt 221 4th av, New York
Lyon Metallic Mfg. Co., Aurora, Ill.
Mosher F. M. (Adjustable Tool, Shovel, etc), Canton, Ill.
Multiplex Display Fixture Co., 918 N 10th, St, Louis, Mo.
Nicol & Co. (Broom), 218 N Jefferson, Chicago, Ill.
Peerless Wire Goods Co., Lafayette, Ind.
Pioneer Wire Works, 133-135 Federal st, Camden, N. J.
See adv index at end of book
Reed Evan L. Mfg. Co., Tipton, Danville, Ill.
Searles Electric Welding Wks., 821 W Washington blvd, Chicago, Ill.
Swift Stanley C. Mfg. Co. ("Perfection" Linoleum, etc), Cuba, N. Y.
Thorpe F. M. Mfg Co., Lamar, Mo.
Timberlake J. B. & Sons (Plate Bowl, Folding, etc), Jackson, Mich
Trimble F. H. Mfg. Co., 216 W 3d, Los Angeles, Cal.
Twentieth Century Brass Works (Display Fixtures), 514 Fifth av S, Minneapolis, Minn.
United Steel & Wire Co. (for Groceries), 327 Fonda av, Battle Creek, Mich.
Universal Fixture Corp., 133 W 23d, New York, N. Y.
Weston Paper & Mfg. Co .("Climax," "Ideal," "National," "Royal"), Dayton, O.
Wickwire Spencer Steel Corp., 41 E 42nd, N. Y.
See adv index at end of book

12064—Racks (Drill, Reamer, Tap)

Durand Steel Locker Co., 76 W Monroe, Chicago, Ill.
Medart Fred Mfg. Co. (Steel), St. Louis, Mo.

12065— Racks (Filing)

Art Metal Construction Co. (Steel), Jamestown, N. Y.
Durand Steel Locker Co., 76 W Monroe, Chicago, Ill.
Kohlhaas Co., 183 N Dearborn, Chicago, Ill.
Medart Fred Mfg. Co., St. Louis, Mo.

12066—Racks (Folding Clothes)

Cassady Fairbank Mfg. Co. ("Federal," "Monarch"), 6126 S La Salle, Chicago, Ill.
Reading Saddle & Mfg. Co. ("Reading") Reading, Pa.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Teepe J. Chas., Inc., Mott & Vernon aves, Long Island City, N. Y.

12067—Racks for Cold Storage Rooms

Koch Butcher Supply Co., 519 Wyandotte, Kansas City, Mo.
Littleford Bros., 444 E Pearl, Cincinnati, O.
See adv index at end of book
Market Forge Co. (Galvanized Iron Coin), **Garvey, Everett, Mass.**
Oakland Refrigerator & Butchers Supply Co., 1616 E 12th, Oakland, Cal.

12067a— Racks (Fruit Can)

See also Canning Apparatus

Andrews Wire & Iron Works ("Andrews"), Rockford, Ill.
Hamblin & Russell Mfg. Co. ("Flanders"), 28 Water, Worcester, Mass.
Kerr Wire Products Co. ("Handy"), 325 W Randolph, Chicago, Ill.
Parker Wire Goods Co. ("Parker No. 2"), Worcester, Mass.
Union Steel Products Co. (Nos. 4 & 8), Albion, Mich.
Wickwire Spencer Steel Corp. (For Family Use), 41 E 42nd, New York
See adv index at end of book

12068—Racks (Garden Hose)

Specialty Mfg Co. ("Handy" Hose Rack & Carrier), **2362 University av., St. Paul, Minn.**

12068a—*Racks (Gymnasium)

DURABILT STEEL LOCKER CO. (Equipment includes specially designed wire baskets, basket separators, number plates, padlock hasps and steel shelving, preferably of open "skeleton" type, because of maximum allowance for air circulation), 560 Arnold av, Aurora, Ill.
See adv index at end of book

12069—Racks (Hat & Coat)

American Mfg. Co., Chestnut & Water, Chattanooga, Tenn.
Baker J. R. & Sons Co., Kendallville, Ind.
California Form & Fixture Co., 1618 San Pablo av, Oakland, Cal.
Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Champion Hardware Co., Geneva, O.
Dennis W. J. & Co., 2120 W Lake, Chicago, Ill.
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Durand Steel Locker Co., 76 W Monroe, Chicago, Ill.
Erie Art Metal Co., (Metal Only) Erie, Pa.
Horst Bros., 139 N 6th, Phila., Pa.

(Continued on following page)

Racks (Hat & Coat)—Continued

McKenna Brass & Mfg. Co., Inc. (Brass), 1st av & Ross, Pittsburgh, Pa.
McLaren Iron Works Co., Cleveland, O.
Medart Fred Mfg. Co., St. Louis, Mo.
Parks & Parks, Troy, N. Y.
Reading Saddle & Mfg. Co. ("Reading"), Reading, Pa.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Tucker & Dorsey Mfg. Co. (Wood), Indianapolis, Ind.

12070—Racks (Hay, Wire & Iron)

Barnum E. T. Wire & Iron Works, 864 Woodward, Detroit, Mich.
Cheney S. & Son, Manlius, N. Y.

12071—Racks (Hay & Stock)

Barber Mfg. Co., Ashtabula, O.
Burnham Mfg. Co., Charles City, Ia.
Clippinger A. B. & Son Mfg. Co., Kansas City, Kan.
Dow Co., 201H N Buchanan, Louisville, Ky.
Dutton E. Q. & Co. (Corner Hay), Cato, N. Y.
Harriman Mfg. Co., Harriman, Tenn.
Harris Mfg. Co. ("Warren" Automatic Hay), Salem, O.
James Mfg. Co. ("James" Steel), Ft. Atkinson, Wis.
Patterson Mfg. Co., Holly, Mich.
Rockford Steel Fixture Co., Rockford, Ill.
Sanitary Co., Dept. H, Linfield, Pa.
Sargent, Osgood & Roundy Co. (Corner), Randolph, Vt.
Schairer Geo. E., Saline, Mich.
Stoughton Wagon Co., Stoughton, Wis.
True Mfg. Co., Eaton Rapids, Mich.

12072— Racks (Insulated)

Fletcher Mfg. Co. ("Fletcher"), Dayton, Ohio

12073— Racks (Kitchen Cabinet)

American Mfg. Co., Chestnut & Water, Chattanooga, Tenn.
Pioneer Wire Works, 133-135 Federal st, Camden, N. J.
See adv index at end of book

Racks (Machine)

See Racks, Cut

12074-5—Racks (Mail Pouch)

Shults H. H. Co., Gowanda, N. Y.

12076— Racks (Milk Bottle)

Pioneer Wire Works, 133-135 Federal st, Camden, N. J.
See adv index at end of book
Smith John P. & Co., New Haven, Conn.

12077-8—*Racks (Mining Machine)

Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.

12079— Racks (Oven)

American Mfg. Co. ("No-Rust"), Chestnut & Water, Chattanooga, Tenn.
Bake-Rite Consolidated, 821 Howard, San Francisco, Cal.
Barbee Wire & Iron Wks., Lafayette, Ind.
Peerless Wire Goods Co., Lafayette, Ind.
Planett Mfg. Co., 1111 E 12th, Oakland, Cal.
Searles Electric Welding Wks, 821 W Washington blvd, Chicago, Ill.
Union Steel Products Co. (Ltd.), Albion, Mich.
United Steel & Wire Co., 327 Fonda av, Battle Creek, Mich.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Young Bros. Co., 6500 Mack av, Detroit, Mich.

12080— Racks (Pattern Storage)

Durand Steel Locker Co., 76 W Monroe, Chicago, Ill.
LUPTON'S DAVID SONS CO. (Steel), Allegheny av & Tulip, Phila., Pa.
See adv at Shelving Steel
Medart Fred Mfg. Co., St. Louis, Mo.
R. & S. Engraving & Die Works, 617-631 W Jackson blvd, Chicago, Ill.
See adv index at end of book
Terrell's Equipment Co., Grand Rapids, Mich.

12081— Racks (Pew)

Estes E. B. & Sons (Cards & Books), 364 5th av, New York
See adv index at end of book
Wrightsville Hardware Co. (Card & Book), Wrightsville, Pa.

12082— Racks (Pipe)

Bernstein Mfg. Co., 2d & Allegheny, Phila., Pa.
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Grabler Mfg. Co. (For Heavy Pipe), Cleveland, O.
United States Hdwe. & Mfg. Co. (Also for Shafting-Bar Iron, etc.), 16H Warren av, Pawtucket, R. I.
Walworth Mfg. Co., 82H Pearl, Boston, Mass.
See adv index at end of book

12082a—Racks (Poker Chips)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

12083—*Racks (Portable Forge)

Medart Fred Mfg. Co., St. Louis, Mo.

12084— Racks (Postal Bag)

Keyless Lock Co., Indianapolis, Ind.

12085— Racks (Pot Cover)

Racine Iron & Wire Works, Racine, Wis.
Wolverine Mfg. Co. ("Wolverine"), Page & Fontella, Pittsburgh, Pa.

12085a—Racks (Printing Stamp)

Hill Independent Mfg. Co., Emerald & Adams, High & P. & R. R., Phila., Pa.
Smith R. H. Mfg. Co. ("Bay State"), Springfield, Mass.
Swisher R. D. Mfg. Co., 415H S Clinton, Chicago, Ill.

Racks (Rug)

See Exhibitors, Rug

12086—Racks (Rubber Stamp)

American Stamp Mfg. Co., 85 John, New York
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*

12086a—Racks (Secondary)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

12087— Racks (Shoe)

Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Dexter Metal Mfg. Co. (Also Boots), 93 Arch, Camden, N. J.
Zering H. Mfg. Co. (Shoe Factory), B. & O. Ry & Hickory, Oakley, Cincinnati, O.
See adv index at end of book

12088—Racks (Steel Storage)

Art Metal Construction Co., Jamestown, N. Y.
Durand Steel Locker Co. ("Durand"), 76 W Monroe, Chicago, Ill.
LEAKE A. G. ERECTING CO. INC (THE), Ash & Holland av, Bridgeport, Conn.
LUPTON'S DAVID SONS CO., Allegheny av & Tulip, Phila., Pa.
See adv at Shelving Steel
Medart Fred Mfg. Co., St. Louis, Mo.
Mills Co. (The), 5322 St. Clair av, Cleveland, O.
See adv index at end of book
Pollard Brothers, 4040 N Tripp av, Chicago
Portage Iron & Wire Co. (For Rubber Factories), 1131 Johnson, Akron, O.
Smith A. L. Iron Wks., Dept. H, Chelsea, Mass.
VAN DORN IRON WORKS CO. (THE), 2700 E 79th, Cleveland, Ohio
See adv index at end of book

12089—Racks (Stock Room)

Brown Engineering Co. (For Bar Iron, Steel Pipe, etc.), 110 N 3rd, Reading, Pa.
Durand Steel Locker Co., 76 W Monroe, Chicago, Ill.
Manufacturing Equipment & Engraving Co., ("Meco") Framingham, Mass.
Medart Fred Mfg. Co., St. Louis, Mo.
Mills Co. (The), 5322 St. Clair av, Cleveland, O.
See adv index at end of book
Shults H. H. Co., Gowanda, N. Y.
Yohe Wm. S. Supply Co. (For Shafting Round Bars, etc.) Canton, Ohio.

12089a—Racks (Telephone Distribution)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

12090— Racks (Test Tube)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

12091— Racks (Ticket, Metal)

California Tool Works, 181 Beale, San Francisco, Cal.
National Ticket Case Co., 842 W 35th, Chicago, Ill.

12092— Racks (Tool)

Acme Level & Mfg. Co. (For Displaying Tools), Archbald, Ohio
Allsteelequip Co. (Stationary & Portable), Aurora, Ill.
Angle Steel Tool Co. ("Ideal"), Ostego, Mich.
Berger Mfg. Co., 1038 Belden N E, Canton, Ohio
Bernstein Mfg. Co., 2d & Allegheny, Phila., Pa.
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Cleveland Wire Spring Co. (Sheet Metal), Cleveland, O.
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Durand Steel Locker Co., 76 W Monroe, Chicago, Ill.
Federal Steel Fixture Co., Wrigley bldg, Chicago, Ill.
Keighley S. Metal Ceiling & Mfg. Co. (Steel Shell), 124 3d av, Pittsburgh, Pa.
Keyless Lock Co., Indianapolis, Ind.
La Porte Mat & Mfg. Co. ("Hercules"), La Porte, Ind.
Littleford Bros. (Shop, Factory, etc.), 444 E Pearl, Cincinnati, O.
See adv index at end of book
Lyon Metallic Mfg. Co. ("Lyon" Steel Portable, Revolving & Stationary), Aurora, Ill.
Manufacturing Equipment & Engineering Co., (Steel), Framingham, Mass.
Medart Fred Mfg. Co., St. Louis, Mo.
Mills Co. (The), 5322 St. Clair av, Cleveland, O.
See adv index at end of book
Mosher F. M. ("Mosher," Adjustable), Canton, Ill.
New Britain Machine Co. ("New Britain," Portable), 190 Chestnut, New Britain, Conn.
OHIO MFG. CO., P. O. Box 146, Painesville, O. *See adv index at end of book*
Terrell's Equipment Co., (Metal), Grand Rapids, Mich.
Tucker & Dorsey Mfg. Co. ("Danhour's"), Indianapolis, Ind.
Willcox Engineering Co., 1525 Holland av, Saginaw, Mich.
Wisconsin Foundry & Machine Co. (Portable Steel), Madison, Wis.

12092a—Racks (Tooth Brush)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
See adv index at end of book

12093— Racks (Towel)

See also Rods, Towel

Beaton & Cadwell Mfg. Co., 185 Main, New Britain, Conn.
Bernstein Mfg. Co., 2d & Allegheny, Phila., Pa.
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
See adv index at end of book
Borroughs Additional Towel System, 28th & Filbert, Oakland, Cal.
Browne & Dowd Mfg. Co., Meriden. Conn.
Buffalo Mfg. Co., 1354 Westover, Buffalo, N. Y.
Cassady Fairbank Mfg. Co. (Racks & Rollers), 6126 La Salle, Chicago, Ill.
Central Specialty Mfg. Co. (Ring), 508 S Peoria, Chicago, Ill.
Chapman-Sargent Co. (Ring Roller, Towel Arms, etc), Piqua, O.
Church C. F. Mfg. Co. ("White Pyralin" Rollers), Holyoke, Mass.
Columbus Brass Co., 620 Dublin av, Columbus, Ohio
See adv index at end of book
Dryite Co. of Cal., Inc. ("Dryite" Cabinet), Chancery bldg, San Francisco, Cal.
Eagley Morrison Co., North Girard, Pa.
Ely Theo. J. Mfg. Co., Girard, Pa.
Estes E. B. & Sons (Wooden), 364 5th av, New York. *See adv index at end of book*
Fernald Mfg. Co., North East, Pa.
Forsythe Metal Goods Co., E. Aurora, N. Y.
Hopkins L. Mfg. Co., North Girard, Pa.
Horst Bros., 139 N 6th, Phila., Pa.
Jamestown Curtain Rod Co. (Metal), Jamestown, N. Y.
Landers, Frary & Clark (Polished, Solid Brass), New Britain, Conn.
McKenna Brass & Mfg. Co., Inc., 1st av & Ross, Pittsburgh, Pa.
Novelty Mfg. Co. ("Wilwear," Arm Swinging), Waterbury, Conn.
Parker Wire Goods Co. ("Perfection" Three Arm), Worcester, Mass.
Penn Mfg. Co., North Girard, Pa.
Queen Mfg. Co. ("Queen"), 1647 N Winchester, Chicago, Ill.
Reading Saddle & Mfg. Co. ("Reading"), Reading, Pa.
Rocky Hill Hardware Co. (Towel & Clothes), Rocky Hill, Conn.
Silicocks-Miller Co. ("Celluvarno"), South Orange, N. J.
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Stokes Wm. A. & Co. (Arm & Rollers), 50 Howard, New York
Taplin Mfg. Co. ("Ideal"), New Britain, Conn.
Tucker & Dorsey Mfg. Co., Indianapolis, Ind.

Western Brass Mfg. Wks., Marshall blvd W 21st, Chicago, Ill.
Washburn Co. (Wire Goods Div.) ("Ideal"), 28 Union, Worcester, Mass.

12094-5—Racks (Trunk, Automobile)

Ajax Trunk & Sample Case Co., 6 La Salle, New York
Farnham & Nelson Co., 47 Union av, Jamaica pl, Boston, Mass.
Highton Wm. & Sons Co., Nashua, N. H.
Koniglow Otto Mfg. Co., 3506 Perkins av, Cleveland, O.
Kraft A. C., 323 W Lake, Chicago, Ill.
Kreidler Auto Top Co., Trenton, N. J.
Milwaukee Auto Specialty Co. ("Masco"), 711 Chestnut, Milwaukee, Wis.
Motor Car Supply Co. ("Cradle"), 1453 Michigan av, Chicago, Ill.
Reliance Engineering Co., Lansing, Mich.
Republic Auto Parts Co. (For Ford Cars) 81 10th, Lon Island City, N. Y.
Sargent & Ham Co. ("A-1"), 28 Scotia, Boston, Mass.
Smith H. Lund, Paterson, N. J.
Sterling Top & Equipment Co., 518 W 57th, New York
Sutherland F. L. Co., 743 Beaubien, Detroit, Mich.
Wilson F. Cortez Co., 159 W Lake, Chicago, Ill.
Winship W. W., 71 Summer, Boston, Mass.

Racks (Umbrella)

See Stands, Umbrella

12096— Racks (Wooden)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Bundy W. H. Recording Co. (Time Card), 69 Cortlandt, New York
Davis Mfg. Co. ("Yankee" Wall), Clinton, Maine
ESTES E. B. & SONS (Book, Poker Chip, Communion Cup, Test Tube, Pen, Pew Book, Tooth Brush, etc), 264 5th av, New York
See adv index at end of book
Hopkins L. Mfg. Co., North Girard, Pa.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

Radiator Bronze

See Bronze Powders

12097—Radiator Dust Catchers

Hawkins Rollyn, 914 Elin, Indianapolis, Ind.

Radiator Guards (Wire)

See Radiator Shields

Radiator Screens

See Radiator Shields

12098— Radiator Shields

Acme Fancy Wire Works (Also Guards), Canfield & Moran, Detroit, Mich.
America Heating & Supply Co., Rockford, Ill.
Betz Frank S. Co., Hammond, Ind.
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Buffalo Wire Works Co. (Also Guards), 453 Terrace, Buffalo, N. Y.
See adv index at end of book
Darby Edward J. & Son (also Guards), 319 Vine, Phila., Pa.
See adv index at end of book
Decatur Cornice & Roofing Co. ("Perfect"), Decatur, Ill.
Dufur & Co., 311 N Howard, Baltimore, Md.
Estey Bros. Co. (Motor Truck Guards), 270 Union av, Brooklyn, N. Y.
Estey Wire Works Co. (Also Guards), 34 Cliff, New York
Expanded Metal Safety Guard Co., 14th & Vernon av, Long Island City, N. Y.
Foster Sheet Metal Co., Springfield, Ill.
Gerkin J. D. & Co. ("Perfect"), Toledo, O.
Hawkins Rollyn, 914 Elin, Indianapolis, Ind.
Howard & Morse (Also Guards), 45 Fulton, New York
Johnson W. H. & Son Co. ("Acme" & Register), 330 St. Joseph, Indianapolis, Ind.
Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cincinnati, O.
Kraft A. C., 323 W Lake, Chicago, Ill.
Mansfield Steel Corp. (Also Guards), 288 E Milwaukee, Detroit, Mich.
Meyers Fred J. Mfg. Co., Hamilton, O.
Monash-Younker Co. ("Dixon" & "Monash"), 1407 W Jackson blvd, Chicago, Ill.
Prentice L. H. Co., 330 Sherman, Chicago, Ill.
Rutherford J. & Son ("Star"), Akron, O.
St. John & Barquist, Des Moines, Ia.
Schueler Ventilation Co., Bloomington, Ill.
Sodemann Heat & Power Co. ("Shapco"), 2506 Morgan, St. Louis, Mo.
Syracuse Wire Works, 101 University av, Syracuse, N. Y.
Tuttle & Bailey Mfg. Co. (Ornamental Cast Iron or Bronze), 52 Vanderbilt av, New York
Wrobbel-Maine Co. (The), 3106 E 63rd, Cleveland, O.

Radiator Valves (Automatic)

See Valves (Air)

12099—Radiators (Aeroplane)

Bush Mfg. Co., 100 Wellington, Hartford, Conn.
English & Mersick, Winchester av, New Haven, Conn.
Fedders Mfg. Co., 57 Tonawanda, Buffalo, N. Y.
Flexo Mfg. Co. ("Flexo"), 1313 E 12th, Los Angeles, Cal.
G. & O. Mfg. Co., New Haven, Conn.
Liberty Radiator Core Mfg. Co., 30 Rose av, San Francisco, Cal.
McCord Radiator Mfg. Co. (Tubular & Cellular Type Cores), 2587E Gd. Blvd, Detroit, Mich.
Rome-Turney Radiator Co., Rome, N. Y.

Radiators (Automobile)

See Radiators, Water Cooling

12100— Radiators (Electric)

Adams Bros. Mfg. Co. Inc., Fayette & Chateau, Pittsburgh, Pa.
American Electrical Heater Co. (Luminous & Non-Luminous), Detroit, Mich.
CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
Despatch Mfg. Co., 120 1st av, Minneapolis, Minn.
Edison Elec. Appliance Co., 5600 Taylor, Chicago, Ill.
Electric Heating & Mfg. Co. ("Apfel's"), Dept. H, Westlake & Republic, Seattle, Wash.
Estate Stove Co., Hamilton, O.
FAIRFACTS CO., INC. (Bathroom), 234-236 W 14th, New York
See adv index at end of book
Landers Frary & Clark, New Britain, Conn.
Majestic Elec. Appliance Co. ("Majestic"), 590 Folsom, San Francisco, Cal.
Peloms Mfg. Co., 232 E Ohio, Chicago, Ill.
Prometheus Electric Co. (Air Heaters), 358 W 13th, New York
Quick Elec. Heater Co., Madle, 12 E Circle, Cincinnati, O.
Rathbone Mfg. Co., Grand Rapids, Mich.
Russell Electric Co., 340 W Huron, Chicago, Ill.
Rutenber Elec. Co., Marion, Ind.
S. P. Store Co., Wilmetti, Ill.
Scheeline Mfg. Co. ("Hulbert"), 76H Tehama, San Francisco, Cal.
Sharp C. H. Mfg. Co., 315 W 5th, Los Angeles, Cal.
Simplex Electric Heating Co. ("Simplex"), Cambridge, Mass.
Waldman John J., 164 Murray, New York
Westinghouse Electric Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book
Willis Elect. Co., 4140 Euclid av, Cleveland, O.

Radiators (Electric Car)

See Heaters, Electric Car

12101— Radiators (Gas)

American Industrial Development Co. ("Success Vented"), 85 2d, San Francisco, Cal.
American Stove Co. ("Reliable," "Clark," "Quick Meal," "Dangler," "National," "Standard"), 827 Chouteau, St. Louis, Mo.
Braasch A. J. Heater Co., 1041 Orange Drive av, Los Angeles, Cal.
Cain W. H. Gas Radiator Co. ("Cain Jet Systems," "Radiant Heats"), 5217 Moneta av, Los Angeles, Cal.
Clow J. B. & Sons ("Gastream" & "Gaswater") 544 S Franklin, Chicago, Ill.
Combustion Utilities Corp., 8-10 Bridge, New York
Crown Gas Radiator Co., 1206 E Colorado, Pasadena, Cal.
Dangler Stove Co. (Branch), 5017 Perkins av, Cleveland, O.
Detroit Heating & Lighting Co., Liebs & Wight, Detroit, Mich.
Eriez Stove & Mfg. Co. ("Eriez"), Erie, Pa.
Hugo Mfg. Co., Duluth, Minn.
Kieghler Gas Heated Steam Radiator Co., 707 N 1st, San Jose, Cal.
McCorkle D. H. Mfg. Co., 319 12th, Oakland, Cal.
Pacific Gas Heating Co. ("Marcell" & "Marvel"), 439 Sutter, San Francisco, Cal.
Pacific Gas Radiator Co. ("Pacific"), 1740 W Washington, Los Angeles, Cal.
Pacific Heating Co. ("Diablo"), 321 13th, Oakland, Cal.
Potter Radiator Corp., 5956 Pasadena av, Los Angeles, Cal.
Reliable Stove Co. ("Reliable"), 1737 E. 40th, Cleveland, O.
Schmitt Geo. P. ("Duplex"), 624 Franklin, Oakland, Cal.
Scientific Heater Co., 2104 Superior Via., Cleveland, Ohio
Southard Robertson Co. (Magnetic), 259 Water, New York
Union Stove Works ("Grand"), 70 Beekman, New York
Watt Robt. Mfg. Co. ("Watt" Gas & Steam), 1701 N 20th, Phila., Pa.
Weiskittel A. & Son Co. ("Fire King"), 12th & E Lombard, Baltimore, Md.

12102—Radiators (Hot Water & Steam)

Am. Radiator Co. ("Arcola," "Corto," "American," "Peerless,"), 816 Michigan av, Chicago, Ill.
Atlantic Radiator Co., Huntingdon, Pa.
Buckingham Routh Co. ("Gold" Sheet Iron), 64 Grove, New Haven, Conn.
Case W. A. & Sons Mfg. Co. ("Matchless"), Buffalo, N. Y.
Central Radiator Co. ("Radio" with Open Fireplace for Cellarless Houses," "Rode" Magazine Feed & "Lansdale"), 41 E 42nd, New York
Clow Jas. B. & Sons ("Gasteam"), 534 S Franklin, Chicago, Ill.
Dennison Fdry & Mach. Co., Dennison, O.
Fowler & Wolfe Mfg. Co. ("Wall Radiators), Phila. Bourse, Phila., Pa.
Gibson Iron Works ("Exeter"), Gibson City, Ill.
Gurney Heater Mfg. Co. ("Gurney" 1, 2, 3 & 5 Column Wall, Indirect), 93-97 Oliver, Boston, Mass.
Hudson Boiler Mfg. Co., 359 W 42d, New York
Hulbert Electro-Steam Mfg. Co. ("Hulbert" Electro Steam), 76H Tehama, San Francisco, Cal.
Kieghler Gas Heated Steam Radiator Co., 707 N 1st, San Jose, Cal.
Kewanee Boiler Co., Kewanee, Ill.
Lober Radiator & Mfg. Co., 128 11th, Toledo, O.
Logansport Radiator & Equipment Co. ("Logan"), Logansport, Ind.
Monitor Bi-Loop Radiator Co. ("Co. ("Bi-Loop"), Lancaster, Pa.
NASON MFG. CO. (High Pressure for marine and plant pressure service), 71 Fulton, New York
See adv index at end of book
National Radiator Co. ("Novus," "Premo"), Johnstown, Pa.
New York Radiator Co., Utica, N. Y.
Page Wm. H. Boiler Co., 58 W 40th, New York
PIERCE BUTLER & PIERCE MFG CORP., 41 E 42d, New York
Richmond Radiator Co. ("Richmond" Direct & Indirect & Wall), 1480 B'way, New York
Smith H. B. Co. ("Princess," "Princess Wall," "Smith Hot Blast," "Sovereign," "Gold Pin," "School Pin," "Aerial," "W 17," "Beckenridge," "Menlo," "Merco," "Mills," "H. B." Steam, "Smith" Combination, etc.), Westfield, Mass.
South Park Foundry & Machine Co. ("Simplex"), St. Paul, Minn.
Standard Heater Co., Williamsport, Pa.
Union Radiator Co. ("Concord"), Johnstown, Pa.
U. S. Radiator Corp. ("Florentine," "Triton"), 133 E Grand River av, Detroit, Mich.
Utica Heater Co., Utica, N. Y.
Williamsport Radiator Co., ("Norka") Williamsport, Pa.

12103—Radiators (Stove Pipe)

Cole Mfg. Co., 3218 S Western av, Chicago, Ill.
Excelsior Stove & Mfg. Co. (Heating), Quincy, Ill.
Hemp & Co., Vandeventer nr Shaw, St. Louis, Mo.
Independent Register & Mfg. Co., 717 Frankfort, Cleveland, O.

12104—Radiators (Tractor)

Chicago Mfg. Co. ("Chicago"), 1464 S Michigan av, Chicago, Ill.
G. & O. Mfg. Co., New Haven, Conn.
Jamestown Car Parts Mfg. Co., Jamestown, N. Y.
McCord Radiator Mfg. Co. (Tubular & Cellular Type Cores), 2587 E Gd. blvd, Detroit, Mich.
Perfex Radiator Co., Racine, Wis.
Rome-Turney Radiator Co., Rome, N. Y.
Standard Radiator Co., Inc., Springville, N. Y.

12104a—Radiators (Transformer, Cooling)

Aeroiox Corp., 343 Front, San Francisco, Cal.
Jamestown Car Parts Mfg. Co., Jamestown, N. Y.
Pressed Metal Radiator Co. ("Presto"), Oliver bldg, Pittsburgh, Pa.
Rome-Turney Radiator Co., Rome, N. Y.

12104b—Radiators (Water Cooling)

Auto Lamp & Radiator Co., 1614 Prospect, Cleveland, O.
Bauer Jos. Fergus Falls, Minn.
Bellingham Sheet Metal Wks., Bellingham, Wash.
Borbein Auto Co., 2109 N 9th, St. Louis, Mo.
Bowerbank Expansion Radiator Co., 1012 S Los Angeles, Los Angeles, Cal.
Cartridge Mechanical Corp., 219 W 12th, Los Angeles, Cal.

(Continued on following page)

Neutrodyne Receivers

4-TUBE
5-TUBE

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Guaranteed Parts

Rheostats
Potentiometers
Sockets
Phone Plugs
Fixed Condensers

Radiators (Water Cooling)—Cont.

Cartridge Radiator Core Co., 919 Folsom, San Francisco, Cal.
Corcoran Mfg. Co., Norwood, Foraker av, Cincinnati, O.
Detroit Auto Specialty Co. ("Honeycomb"), 909 Greenwood av, Detroit, Mich.
English & Mersick Co., New Haven, Conn.
Fedders Mfg. Co. ("Honeycomb"), 57 Tonawanda, Buffalo, N. Y.
Flexo Mfg. Co. ("Flexo"), 1312 E 12th, Los Angeles, Cal.
G. & O. Mfg. Co., New Haven, Conn.
Harrison Radiator Corp., Lockport, N. Y.
Hayes Mfg. Co., 480 Mayberry, Detroit, Mich.
Jamestown Car Parts Mfg. Co. ("Jamestown") Jamestown, N. Y.
Kurtzner Radiator Co., 7512 Carnegie av, Cleveland, O.
Lawson F. H. Co. (For Fords), Evans & Whateley, Cincinnati, O.
Liberty Radiator Core Mfg. Co., 30 Rose av, San Francisco, Cal.
Livingston Radiator Corp., 75th & Amsterdam av, New York
Long Mfg. Co., 2768 E Gd. blvd., Detroit, Mich.
McCord Radiator Mfg. Co. (Tubular & Cellular Type Cores), 2587E Gd. blvd, Detroit Mich.
Messenger & Parks Mfg. Co. (Shells), Aurora, Ill.
Motor Products Corp, Mack & Onter Belt Line, Detroit, Mich.
Nathan Novelty Mfg. Co. (For Fords) 55 5th av., New York.
National Can Corporation, Detroit, Mich.
Niles Steel Products Co., Niles, O.
See adv index at end of book
Rome-Turney Radiator Co., Rome, N. Y.
Standard Radiator Co., Inc., Springfield, N. Y.
Stolp Co., Dept. H, Geneva, N. Y.
Terwedo Mfg. Co., Oshkosh, Wis.
Western Mechanical Works ("Staggard"), 520 W Pico, Los Angeles, Cal.
York Corrugating Co., Adams & W. M. R. R., York, Pa.

12104d— Radio Parts

Acme Apparatus Co., 186 Mass. av, Cambridge, Mass.
Adams Morgan Co., Upper Montclair, N. J.
Air-Way Elec. Appliance Corp. (Condensers), 618 B'way, Toledo, O.
Am. Electric Co., 6401 S State, Chicago, Ill.
Am. Radio & Research Corp., ("Amrad" Binding Posts, Switches, Knobs,, Dials), 203 College av, Medford Hillside, Mass.
Andrea Frank A. D. ("Fada"), 1581 Jerome av, New York
Ansonia Mfg. Co. (Turned & Sheet Brass), River rd, Ansonia, Conn.
Atwater Kent Mfg. Co., 4937 Stenton av, Phila., Pa.
Auth Electrical Specialty Co., 422 E 53d, New York
Autoscrew Co., 356 W B'way, New York
See adv index at end of book
BALDWIN C. S. MFG. CO., Cherry, Milford, Conn. *See adv index at end of book*
Banister & Pollard Co. (Dirs.), 206 Market, Newark, N. J.
Barnes The Wallace Co., Bristol, Conn.
See adv index at end of book
Bissell F. Co., 812 Lafayette, Toledo, O.
Bliss R. W., Atlantic, Mass.
Bremer-Tully Mfg. Co., 532 S Canal, Chicago
Bronx Radio Equipment Co. (Binding Post sets), 687 Courtland av, New York
Bunnell J. H. Co., 32 Park pl, New York
Cardwell Allen D. Mfg. Co., 81 Prospect, Brooklyn, N. Y.
Chandler & Farquhar Co., 250 Devonshire, Boston, Mass.
Chapman Machine Corp., Terryville, Conn.
See adv index at end of book

ACCURATE
Screw Machine Work
From Our Own Make
Automatic Machines
RADIO PARTS
Hex Nuts, Binding Posts, Switch Levers and Points, Crystal Detectors, etc.
Products up to 5/8" Diam.
CHAPMAN MACHINE CORPN.
Terryville, Conn.

Chelsea Radio Co. (Dials & Knobs), 150 5th, Chelsea, Mass.
Clapp-Eastham Co. (Dials & Knobs), 139 Main, Cambridge, Mass.
Colburn Gear & Mfg. Co. (Binding Posts), Woodworth, Boston, 22 Mass.
Crocker Wheeler Co., Ampere, N. J.
De Forest Radio Tel. & Telg. Co. (Knobs, Dials, Coils, Mountings), 1415 Franklin, Jersey City, N. J.
Detroit Mfg. Co. (Dials & Knobs), 5850 Marshall, Oakland, Cal.
Doron Bros. Elec. Co. (Binding Posts, etc.), 325 North, Hamilton, Ohio
DOYLE-DA COSTA MFG. CO. (Coils), Easton, Pa.
Duck Wm. B. Co., 224 Superior, Toledo, O.
EASTON COIL CO. (Coils only), Centre & Mauch Chunk, Easton, Pa.
Eastern Precision Electrical Co., Rockville Centre, New York
Eby H. H. Mfg. Co., 40 S 7th, Phila., Pa.
Elec. Machine Co., Pratt & Meridian, Indianapolis, Ind.
Estes E. B. & Sons (Wood), 364 5th av, New York *See adv index at end of book*

E. B. ESTES & SONS *Established 1847*
Manufacturers of
WOODEN RADIO PARTS
Rotors, Stators, Rotor Balls and Blocks, Turning Coil Bases, Blocks and Heads, Crystal Boxes, Dits and Tuning Slide Knobs and Radio Cabinets
364 5th AVENUE NEW YORK CITY
"World's Largest Woodturners"

Fischer Chas. Spring Co., 240 Kent av, Brooklyn, N. Y.
Freed-Eisemann Radio Corp., Sperry bldg, Brooklyn, N. Y.
Gasket Supply Co. (Stamped), 1927 Ludlow, Phila., Pa.
See adv index at end of book
General Electric Co., Schenectady, N. Y.
See adv index at end of book
General Insulate Co. ("Insulate" Knobs, Binding Posts), 1008 Atlantic av, Brooklyn, N. Y.
General Radio Co., Mass. av & Windsor, Cambridge, Mass
General Wireless Corp. (Condensors, headsets, variocouplers & Complete sets), 25 W 45th, New York
Gilfillian Bros., Inc., 1819 W 16th, Los Angeles, Cal.
Grammes L. F. & Sons, 311 Union, Allentown, Pa.
See adv index at end of book
Gray & Danielson Mfg. Co., 250 1st, San Francisco, Cal.
Heints & Kohlmoos, Inc., 223 Natoma, San Francisco, Cal.
Herrold Laboratories ("Herrold" Involute Inductance), 4678 1st, San Jose, Cal.
Heslar Radio Corp., 1140 S Division, Indianapolis, Ind.
Horne Mfg. Co., 243 Mercer, Jersey City, N. J.
HOWARD RADIO CO., INC., 451-469 E Ohio, Chicago, Ill.
See adv index at end of book
International Insulating Corp. (Dials, Knobs, etc.), 25 W 45th, New York
Iten Fibre Co. (Fibre), 2358 E 67th, Cleveland, O.
See adv index at end of book
Keystone Radio Co., Greenville, Pa.
Kilbourne & Clark Mfg. Co. ("K. & C."), 101 Spokane, Seattle, Wash.
Kuebler Radio Co., 24 Boody bldg, Toledo, Ohio
Magnavox Co. ("Amplivox" "Electrovox" "Radiovox"), 2725 E 14th, Oakland, Cal.
Magnus Electric Co., Inc. ("Magnus" Knobs & Dials), 451 Greenwich, New York
Man-Day Radio Corp. ("Man-Day"), 135 W 33d, New York
Manhattan Electric Supply Co. Inc. (Binding Posts, Buzzers, Cords, etc.), 17 Park pl, New York
Manhattan Electrical Supply Co., 112 S Wells, Chicago
Marshall German Co. ("Thoroughbred" Binding Posts), 27 Ontario, Toledo, Ohio
Morse Frank W. (Binding Posts, Contact Points, Knobs, Handles, Dials, Terminals Slides, Switches, Plugs, Sockets & Adapters, Rheostats, Variometers, 4 in 1 Phone Connector, Polarize Battery Plug), 289 Congress, Boston, Mass.
See adv index at end of book
Mt. Vernon Die Casting Corp. (Castings only), Mt. Vernon, N. Y.
See adv index at end of book
National Radio Co., Marshall, Minn.
National Radio Co., 50 Union sq, New York
New Haven Screw Co. (Posts & Condenser Points), 199 Foster, New Haven, Conn. *See adv index at end of book*
Newmann Stern Co., E 12th & Walnut, Cleveland, Ohio
Parkin Mfg. Co., San Rafael, Cal.
Patton MacGuyer, Providence, R. I.
Peck Spring Co. (Springs), Plainville, Conn. *See adv index at end of book*
Penn. Wireless Mfg. Co. (Dials), New Castle, Pa.
Precision Equipment Co., 2437 Gilbert, Cincinnati, Ohio
Quality Radio Corp., Richmond, Ind.
Radio Corp. of America, 233 Broadway, New York
Radio Electric Co., 1927 Liberty av, Pittsburgh, Pa.
Radio Specialty Co. (Knobs, Posts, etc.), 96 Park pl, New York
Radio Tel. & Mfg. Co., 150 Chambers, New York
Radio Testing Station ("R.T.S."), 25 Sturgis, Binghamton, N. Y.
Rauland Mfg. Co., 2650 Coyne, Chicago
Remler Radio & Mfg. Co., 248 1st, San Francisco, Cal.
Scheib Elec. Radio Co. ("Serco"), 6243 Station, Pittsburgh, Pa.
SCOVILL MFG. CO. (Binding Posts, Battery Nuts, Condenser Plates, Vacuum Tubes, etc)
See adv index at end of book
Ship Owners Radio Service (Dirs), 80 Washington, New York

RADIO PARTS

Variometers
Vari-couplers
Condensers
V. T. Sockets
U. V. 199 Sockets
Peanut Tube Sockets
Triple V. T. Sockets
Rotors and Stators
Jack Plugs

Transformers
Dials (All Sizes)
Knobs (Asst. Sizes)
Switch Assemblies
Bezels or Ventilators
Vernier Attachment
Insulators (3″, 5″, 10″)
Binding Posts (Plain & Marked)
Ribbon Aerials

Panel Braces and Brackets
Terminals (All Kinds)
Reducing Bushings
Screw Drivers
Battery Clips
Radio Hardware
Phone Adapters
Special Moulded or Metal Parts to Order

WATERBURY BUTTON CORPORATION

Manufacturers Since 1812 WATERBURY, CONNECTICUT

Signal Elec. Mfg. Co., Menominee, Mich.
Snow Albert E. & Co., 252 B'way, New York
Somerville Radio Laboratory, 43 Cornhill, Boston, Mass.
Standard Player Hdwe. Co., 512 W 36th, New York
Standard Radio & Equipment Co., 477 S 10th, Newark, N. J.
Stanley & Patterson ("De Veau"), West & Hubert, New York
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*
Stiles H. A. (Wooden), 166-174 Portland, Boston, Mass.
See adv index at end of book
Stimpson Edw. B. Co. (Condenser Radio Plates), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Stine Screw Holes Co. (Screw Holes), 200 Grand, Waterbury, Conn.
Stow Mfg. Co., Binghamton, N. Y.
See adv index at end of book
STROMBERG-CARLSON TELEPHONE MFG. CO., 1050 University av, Rochester, N. Y.
T. & H. Radio Co. ("D.&K." Rubber Knob Posts), Anthony, Kan.
Thomberg Electric Works (Dials), 158 1st, San Francisco, Cal.
Tuska C. D. (Dials, Knobs), 24 Hoadley pl, Hartford, Conn.
Union Construction Co., Balfour bldg, San Francisco, Cal.
United Mfg. & Distributing Co., 9705 Cottage Grove, Chicago, Ill.
WATERBURY BUTTON CORP., 831 S Main, Waterbury, Conn.
See adv index at end of book
Wireless Improvement Co., 66 York, Jersey City, N. J.
Wireless Shop, 1262 W 2d, Los Angeles, Cal.
Wisconsin Radio Corp., Madison, Wis.
WORCESTER PRESSED STEEL CO., Worcester, Mass.
See adv index at end of book
Work Rite Mfg. Co. (Binding Posts, Hydrometers, Dials), 5518 Euclid av, Cleveland, Ohio
Wright H. Earl Co. (Socket Adjusters, Battery Adapters, etc.), 123-9 2d, San Francisco, Cal.

12104d1— *Radio Pyrite

Foote Mineral Co., 109 N 19th, Phila., Pa.

12105— Radium

American Luminous Products Co., (Radium Enamel) Huntington Park, Cal.
Fuerst Bros. & Co., 2 Stone, New York
Radium Chemical Co. (Distributors Only & Luminous Compounds), 3530 Forbes, & 4 Meyrau av, Pittsburgh, Pa.
Radium Limited, U. S. A., 2 W. 45th New York.
Radium Luminous Material Corp. ("Undark" Luminous & Salts), 30 Church, New York
Standard Chemical Co. (Salts & Radium Preparations), Vanadium bldg, Pittsburgh, Pa.

Radium Compounds

See Compounds, Luminous

12105a—Radius Planer Attachments

Underwood H. B. Corp., 1025 Hamilton, Phila., Pa.

12106—Raffia Grass Importers

Jacob Chas. W. & Allison, 18 Cedar, New York

Rags (Wiping)

See Wipers, Machine

Rail Bond Testers

See Instruments, Electrical Testing & Measuring

12107— Rail Bonds

Am. Mine Door Co., Dept. H, 2037 Dueber av S W, Canton, O.
AMERICAN STEEL & WIRE CO. ("United States," "Crown," Twin Terminal, "Triplex" "Arc Weld," Flame Weld, 208 S La Salle, Chicago, Ill.
See adv index at end of book
Electric Railway Improvement Co. (Copper, Electrically Welded & Electrically Braized), 2070 E. 61st pl, Cleveland, O.
Electric Service Supplies Co. ("Protected"), 17th & Cambria, Phila., Pa.
GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book
Holden & White, 80 E Jackson, Chicago
Johns-Manville Inc., Madison av & 41st, New York
Lord Mfg. Co. ("Thomas" Laminated Soldered), 105 W 40th, New York
Metal & Thermit Corp. ("Thermit," Welded), 120 B'way, New York
Ohio Brass Co. ("OB"), Mansfield, Ohio
Rail Welding & Bonding Co. of Am., 2400 Woodland av, Cleveland, O.
Railroad Supply Co., 203 S Dearborn, Chicago, Ill.
Union Electric Co. ("Union"), 31 Terminal way, Pittsburgh, Pa.

12108— Rail Joints

Ames W. & Co., Jersey City, N. J.
Atlas Railway Supply Co. ("Atlas," for Tee or Girder Rails), 431 S Dearborn, Chicago, Ill.
Bethlehem Steel Co., S. Bethlehem, Pa.
Bossert Corp., The (Collar), cor. Linden st & West av, Utica, N. Y.
Carnegie Steel Co. ("Duquesne", "Braddock"), Carnegie bldg, Pittsburgh, Pa.
Colorado Fuel & Iron Co., Denver, Colo.
Fishel & Marks Co., Ft. of Krakow av, Cleveland, Ohio
See adv index at end of book
Illinois Steel Co., 208 S La Salle, Chicago, Ill.
Industrial Supply & Equipment Co. ("Manhattan," Rolled Steel Standard Joint), 4th & Vine, Phila., Pa.
Lackawanna Steel Co., Buffalo, N. Y.
Marburg Bros., 90 West, New York
METAL & THERMIT CORP. ("Thermit" Welded), 120 B'way, New York
Ohio Brass Co. (Electrically Welded), Mansfield, O.
Rail Joint Co. (Continuous "Weber," "Wolhaupter" & "100 per cent."), 61 B'way, New York
Rail Joint Co., Penn bldg., Philadelphia, Pa.
Rail Welding & Bonding Co. of Am., 2400 Woodland av, Cleveland, O.
Ramapo Iron Works, Hilburn, N. Y., & Niagara Falls, N. Y.
Reading Specialties Co. (Compromise), Reading, Pa.
Reinforced Rail Joint Co. ("Roach" Reinforced), Syndicate Trust bldg, St. Louis, Mo.
Track Specialties Co., Inc. ("Superior"), 2-4-6 Morris, New York
Wilmington Malleable Iron Works of Eastern Malleable Iron Co., Wilmington, Del.
Zelnicker Walter A. Supply Co. (Dealer), 325 Locust, St. Louis, Mo.

12110—Rail Mills (Iron & Steel)

(This List Contains Only the Mills that Roll Rails; see also Rails, Steel)
American McKenna Process Co. ("McKenna" Process Renewed Steel Rails), 373 Broadway, Milwaukee, Wis.
Bethlehem Steel Co. (Standard Sections, Open Hearth, Open Hearth Nickel Steel & Nickel Chrome Steel Rails), South Bethlehem, Pa.
Brooke E. & G. Iron Co., Dept. H, Birdsboro, Pa.
Buckeye Rolling Mill Co. (Light Rails, 12-16-20-25-30-35 & 40 lbs.), Steubenville, O. Mills: Newark, O.
Carnegie Steel Co. (Bessemer Standard Sections of Steel Rails, 50 lbs. & Heavier & Light Sections under 50 lbs.), Carnegie bldg, Pittsburgh, Pa.
Colorado Fuel & Iron Co. (Standard Sections of Bessemer & Open Hearth Steel Rails & Light Mine Rails), Denver, Colo.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Illinois Steel Co. (Steel Only), 208 S La Salle, Chicago, Ill.
INLAND STEEL CO. (Standard Tie Rails, Basic Open Hearth Steel), 38 S Dearborn, Chicago, Ill.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Knoxville Iron Co. (Light Iron T Rails, 12 to 30 lbs.; also Street Rails), Knoxville, Tenn.
Lackawanna Steel Co. (Bessemer & Open Hearth Standard Sections of Steel Rails; also Light Steel Rails, 12 to 65 lbs.), Buffalo, N. Y.
Lorain Steel Co. (Girder & High Tee), Johnstown, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
Sherwood E. C., 50 Church, New York
Smith David H. & Sons, Foot of 51st, Brooklyn, N. Y.
See adv index at end of book
Sweets Steel Co., Williamsport, Pa.
Tennessee Coal Iron & Railroad Co. (Standard Sections of open Hearth, Rails & Light Rails), Birmingham, Ala.
United States Rail Co. (Renewed Steel Rails 8 to 40 lbs.), Cumberland, Md.
West Va. Rail Co. (8 to 50 lbs. Light Steel Rails), Huntington, W. Va.

12110a— Rail Welding

Metal & Thermit Corp., 120 B'way, New York

Railings (Altar)

See Brass Altar Rails & Pulpits

Railings (Brass)

See Bank & Office Railings

12111— Railings (Iron, Brass & Bronze Pipe)

Acme Fence & Iron Co., 8502H Lake av, Cleveland, Ohio
American Safety Lamp & Mine Supply Co., 1327 Capouse av, Scranton, Pa.
Anchor Post Iron Works ("Electric Weld"), 50 Church, New York
See adv index at end of book
Art Metal Construction Co., Jamestown, N. Y.
Barnum E. T. Iron & Wire Wks., 501-23 Cass av, Detroit, Mich.
Beckley Perforating Co. (Iron Only), Garwood, N. J.

(Continued on following page)

Railings (Iron, Brass & Bronze Pipe)—Continued

Beere Geo. W. (Iron), 451 Jefferson av, Brooklyn, N. Y.
Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y. *See adv index at end of book*
California Artistic Metal & Wire Co., 349H 7th, San Francisco, Cal.
Cincinnati Mfg. Co., Cincinnati, O.
COLUMBUS BRASS CO. (Brass & Bronze), 620 Dublin av, Columbus, Ohio
See adv index at end of book
Dow Co., 201H N Buchanon, Louisville, Ky.
Dufur & Co., 311 N Howard, Baltimore, Md.
Gorham Co. Arch'l Bronze (Brass & Bronze Only), 5th av & 36th, New York. Works: Providence, R. I.
Heath-Johnson Co., 300 W Ontario, Chicago, Ill.
Hecla Iron Works, 118 N. 11th, Bklyn, N. Y.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Illinois Malleable Iron Co., 1801 Diversey blvd, Chicago, Ill.
See adv index at end of book
IMPERIAL BRASS MFG. CO., 1200 W Harrison, Chicago, Ill.
Kain Fixture & Brass Works, 113 W Ann, Los Angeles, Cal.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Lasar Mfg. Co., 16th O'Farlon, St. Louis, Mo.
McKenna Brass & Mfg. Co., Inc., 1st av & Ross, Pittsburgh, Pa.
Mack Iron & Wire Wks, Sandusky, O.
Marshall Blow Pipe Co., 7431 Dubois, Detroit, Mich.
NEWMAN MFG. CO., 420 Elm, Cincinnati, Ohio
Ornamental Foundry Co. (Iron), Anniston, Ala.
Pipe Railing Construction Co., 79 6th, Long Island City, N. Y.
Republic Structural Iron Works Co. (Iron), 1350 53d, Cleveland, O.
Scranton Iron & Steel Co. (Iron Only), 1335 Capouse av, Scranton, Pa.
SIMMONS JOHN CO. (Iron Pipe of All kinds), 110 Centre, New York
See adv index at end of book
SMITH F. P. WIRE & IRON WORKS, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Southwest Wire & Iron Works Co., 1722 Tracey, Kansas City, Mo.
Stewart Iron Works Co., Inc., 238 Stewart blk, Cincinnati, O.
See adv index at end of book
TYLER W. S. CO., Cleveland, O.
See adv index at end of book
Voltz Mfg. Co., 914 Penn., St. Joseph, Mo.
Vulcan Rail & Construction Co., 35 Meserole av, Brooklyn, N. Y.
West Coast Wire & Iron Works, 861 Howard, San Francisco, Cal.
Western Brass Mfg. Wks. (Brass Tube), Dept. H, Marshall blvd & 21st, Chicago, Ill.
Wheeler Condenser & Engng. Co. ("Crescent Brand"), W. Carteret, N. J.
Wickwire Spencer Steel Corp. (& Fixtures), 41 E. 42nd, New York.
See adv index at end of book
Wilkins J. D., 204-6 W Lee, Greensboro, N. C.

12112—Railings (Tool Room)

American Safety Lamp & Mine Supply Co., 1327 Capouse av, Scranton, Pa.
Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y. *See adv index at end of book*
Dufur & Co., 311 N Howard, Baltimore, Md.
Guiberson Corp., Box 1106, Dallas, Texas.
Scranton Iron & Steel Co., 1335 Capouse av, Scranton, Pa.
SMITH F. P. WIRE & IRON WORKS, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Stewart Iron Works Co., Inc., 238 Stewart blk, Cincinnati, O.
See adv index at end of book
Wrobbel-Maine Co. (The), 3106 E 63rd, Cleveland, O.

12113— Railings (Vault)

American Safety Lamp & Mine Co., Co., 1327 Capouse av, Scranton, Pa.
Anchor Post Iron Works, 50 Church, New York. *See adv index at end of book*
Ferro-Studio Inc., 228 E 150th, New York
Scranton Iron & Steel Co., 1335 Capouse av, Scranton, Pa.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Stewart Iron Works Co., Inc., 238 Stewart blk, Cincinnati, O.
See adv index at end of book
TYLER W. S. CO., Cleveland, O.
See adv index at end of book
Wrobbel-Maine Co. (The), 3106 E 63rd, Cleveland, O.

12114— Railroad Curves

American Frog & Switch Co., Hamilton, O.
See adv index at end of book
Keuffel & Esser Co., Hoboken, N. Y.
Wharton Wm. Jr. & Co., Inc., Easton, Pa.

12114a—Railroad Equipment (For Narrow Gauge)

American Frog & Switch Co., Hamilton, O.
See adv index at end of book

AMERICAN FROG & SWITCH CO.
HAMILTON, OHIO

Central Frog & Switch Co., Cincinnati, Ohio
Cincinnati Frog & Switch Co., Madison rd & B. & O. R. R., Okley, Cincinnati, O.
Light Railway Equipment Co., 526 Commercial Trust bldg, Phila., Pa.
Villa Vincente B. & Co., 165 B'way, New York

12115—Railroad Equipments (Second Hand)

Acar Mfg. Co., 30 Church, New York.
Albert & Davidson Pipe Corp., 256-264 Oakland, Brooklyn, N. Y.
See adv index at end of book
Apex Equipment Co., 63 Wall, New York
Atlanta Locomotive & Equipment Co., Palmer bldg, Atlanta, Ga.
Barry Bert B., 30 N Michigan av, Chicago, Ill.
Birmingham Rail & Locomotive Co. (Locomotives, Relaying Rails, Frogs, Switches, etc), Birmingham, Ala.
Brady M. F. Equipment Co., 486 N 22nd, Portland, Ore.
Carey Thomas F. Co., 120 Liberty, New York
Clyde Equipment Co., 555 Thurman, Portland, Ore.
Crozier R. J. Co., 10 S 18th, Phila., Pa.
Dooley-Killian Co., Inc. (Rails), 26 Cortlandt, New York
Duluth Iron & Metal Co., Duluth, Minn.
Dunkle Arthur J. Co., 15 Park Row, New York
Engineering Products Co., Rialto bldg, San Francisco, Cal.
See adv index at end of book
Fishel & Marks Co., Ft. of Krakow av, Cleveland, Ohio
See adv index at end of book
Foster H. M. Co. (Relaying Rails), Continental bldg, Baltimore, Md.
Foster L. B. Co. (Steel & Relaying Rails), Park bldg, Pittsburgh, Pa.
Frank M. K. (Relaying Rails, etc), Frick bldg, Pittsburgh, Pa.
General Equipment Co. (Locomotives, Cars, Relaying Rails, etc.), 342 Madison av, New York
Gerson L. & Son, Toledo, O.
Green L. A., 1st Natl. Bk. bldg, Pittsburgh, Pa.
Greenspon's Jos. Sons Iron & Steel Co. (Relaying Rails, etc.), 67 Branch, St. Louis, Mo.
Hofius Steel & Equip. Co., L. C. Smith bldg, Seattle, Wash.
Hubbard-Floyd Co., Inc., 452 Lexington av, New York
HYMAN-MICHAELS CO. (Relaying Rails), 122 S Michigan av, Chicago, Ill.
See adv index at end of book
Inter-State Car Co. (Freight Cars Only), Indianapolis, Ind.
Jamison E. P. Co., Stuart bldg, Seattle, Wash.
Jardine Machinery Co., 115 Main, San Francisco, Cal.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Jones J. B. & Co. (Relaying Rails), 718 Lacock, Pittsburgh, Pa.
Joseph Isaac Iron Co., 528 Reading rd, Cincinnati, O.
Joseph, Joseph & Bro. Co., Cincinnati, O.
KLEINHANS H. CO., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Knight Iron & Metal Co. (Relaying Rails, etc.), 27th to 28th & 1st av, Birmingham, Ala.
Lambert H T. Co. (Relaying Rails) Huntington, W. Va.
Lawson F. A., 525 Market, San Francisco, Cal.
Leaf E. B. Co. (Cars, Locomotives, Rails etc), 50 Church, New York
LEVIS HENRY & CO. (Rails, Cars, etc.), 303 Commercial Trust bldg, Phila., Pa.
Lines, Flynn Co., 30 Church, New York
MacCleary J. H. (Locomotives Cars, etc.), Suffolk, Va.
Males Co. (Locomotives, Cars, Rails, Steam Shovels, etc.), 2226 Fulton av, Cincinnati, O.,
Merchants Steel & Supply Co. (Relaying Rails, etc), 208 S La Salle, Chicago, Ill.
Mitshun M. Co., 985 Dix, Detroit, Mich.
Morrison & Risman, 1437 Bailey av, Buffalo, N. Y.
Ohio Iron & Metal Co., 38 S Dearborn, Chicago, Ill.
Pacific Car & Fdry Co., Seattle, Wash.
Porter H. K. Co., Union bank bldg, Pittsburgh, Pa.
Railway Equipment Co., 104 First, Portland, Ore.
Railway Supply & Mfg. Co., 1234 Harrison, Cincinnati, O.
Republic Pipe & Iron Mfg. Co., 23H Varick av, Brooklyn, N. Y.
See adv index at end of book
Richardson & Co., Inc. (Relaying Rails, etc.), 518 Oliver bldg, Pittsburgh, Pa.
Sabel Bros. (Relaying Rails), Jacksonville, Fla.
San Francisco Iron & Metal Co., 2301 Stockton, San Francisco, Cal.
Sherwood E. C., 50 Church, New York
Shook & Fletcher Supply Co. (Relaying Rails), Birmingham, Ala.
Sonken-Golamba Iron & Metal Co. (Relaying Rails), N 2nd, Kansas City, Kans.
SOUTHERN IRON & EQUIPMENT CO., (Locomotives, Rails etc), Atlanta, Ga.
Standard Railway Euipment Co., 20 W Jackson blvd, Chicago, Ill.
Steel Rail Supply Co. (Relaying & Scrap Rails, Spikes, etc.), 47 West, New York
Tillery J. F. Iron Co., Knoxville, Tenn.
Union Iron Works Co., Selma, Ala.
United Commercial Co., 234H Steuart, San Francisco, Cal.
Voegtly Wm. N. Jr., 625 Market, San Francisco, Cal.
Warner P. B. Sedamsville, Barkley av & Liston, Cincinnati, O.
Watson John B. Co. (Locomotives, Cars, etc), Witherspoon bldg, Philadelphia, Pa.
Western Railway Supply Co., 15th & Johnson, Portland, Ore.
Wilson E. H. & Co. (Locomotives, Coaches, Rails, etc), **Commercial Trust bldg,** Phila., Pa.
Zelnicker Walter A. Supply Co. (Rails, Locomotives, Rolling Stock, etc.), 325 Locust, St. Louis, Mo.

12116—Railroad Portable Lights

MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Milburn Alex. Co. ("Milburn" Self-Contained Acetylene), 1426 W Baltimore, Baltimore, Md.

12117—Railroad Stationery, Blanks, Manifests, Etc.

See also Paper, Railroad, Manila & Writing
Allen Lane & Scott (Printers), 1211 Clover, Phila., Pa.
Armstrong H. J. & Co., 538 S Clark, Chicago, Ill.
Autographic Register Co. ("Shoups" Manifold Books), Hoboken, N. J.
Baker-Vawter Co. (Manifold Shipping Banks), Benton Harbor, Mich.
Barlow Bros. (Manifold Shipping Blanks), Grand Rapids, Mich.
Boorum & Pease Co. (Manifold Books), 84 Hudson av, Brooklyn, N. Y.
Conolly Hy Co., Rochester, N. Y.
Curran Con P. Printing Co., Dept. H, 8th & Walnut, St. Louis, Mo.
Dexter C. H. & Sons, Windsor Locks, Conn.
Diamond Mills Paper Co. (Manifests & Copying papers), 53 Park pl, New York
Fleet-McGinley Co. (Printers), cor South & Water, Baltimore, Md.
General Manifold & Printing Co. (Manifold), Franklin, Pa.
Hall J. C. Co. (Manifold Books, etc), 63 W Exchange, Providence, R. I.
Hamilton Autographic Register Co. (Manifold Shipping Blanks), Hamilton, O.
Johnston Wm. G. Co. (Manifolds, Bills of Lading, Blanks, etc.), 429 Wood. Pittsburgh, Pa.
Mann Wm. Co. (Copying Paper, etc.), 261 Broadway, New York
Monarch Manifold Book Co., West & Hubert, New York
Rand McNally & Co. (Railroad Printing), 538 S Clark, Chicago, Ill.
Rogers Manifold & Carbon Paper Co. (Manifold Books & Carbon Paper), 33 Sullivan, New York
Union Mills Paper Mfg. Co. (Copying Paper), New Hope, Pa.
Ward John & Son, 115 Cedar, New York
Whitmore Mfg. Co. (Railroad Blanks), Holyoke, Mass.
Whittelsey Frank H. Co. (Railroad Manifest Impression Paper, Train Order Blanks, etc), Windsor Locks, Conn.

12117a— Railroad Supplies

Acar Mfg. Corp. (Dirs), 30 Church, New York
Allied Machinery Co., 459 E 3rd, Los Angeles, Cal.

Brady M. F. Equipment Co., 486 N 22nd, Portland, Ore.
Bulotti C. F. Machy. Co., 71 Main, San Francisco, Cal.
Carey G. H. (Comm.), 1H B'way, New York
Carpenter Geo. B. & Co., 434 N Wells, Chicago
See adv index at end of book
Castle A. M. & Co. of Wash., 32 W Connecticut, Seattle, Wash.
Chilean Commercial Bureau Inc. (Export to Chile Only), 165 B'way, New York
Climax Locomotive Co., 623 Western av, Seattle, Wash.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Cotton States Belting & Supply Co., Dept. H, Atlanta, Ga.
Crozier R. J. Co., 10 S 18th, Phila., Pa.
Dodge Haley Co. (Dlrs.), 218 High, Boston, Mass.
Duner Co. ("Duner" Car Water Closets, Railroad Closets), 101 S Clinton, Chicago, Ill.
See adv index at end of book
Dunham Carrlahan & Hayden Co., Dept. H, Kansas & Division, San Francisco, Cal.
Eccles & Davies, 320 S San Pedro, Los Angeles, Cal.
Engineering Products Co., Rialto bldg, San Francisco, Cal.
Equipt. Co., 1531H Walnut, Kansas City, Mo.
Euler Harry M., 46 Front, Portland, Ore.
Frischkorn Hunter B., 801 E Cary, Richmond, Va.
Fortier J. A., 1029 6th av S, Seattle, Wash.
Garrison Brass & Machine Wks., 107 W 13th, New York
Haverstick & Co., 45 Ford, Rochester, N. Y.
Hayes Equipment Co., National bldg, Cleveland, Ohio
Hayes Track Appliance Co., Richmond, Ind.
Hegeman Castle Corp. ("Drew"), Fisher bldg, Chicago, Ill.
Hoffus Steel & Equipment Co., L. C. Smith bldg, Seattle, Wash.
Holden & White ("Drew"), 343 S Dearborn, Chicago, Ill.
HYMAN-MICHAELS CO. (Dealers), 122 S Michigan av, Chicago
See adv index at end of book
Iron & Ore Corp. (Imp), 11 B'way, New York
Jamison E. P. Co., Stuart bldg, Seattle, Wash.
Jamison Robt. W., 1637 Mission, San Francisco, Cal.
Loosted C. M. & Co., 2214 1st av S, Seattle, Wash.
McMaster-Carr Supply Co., 174 N Market, Chicago, Ill.
Maintenance Equipment Co., (Dlrs), Railway Exchange bldg, Chicago, Ill.
National Malleable Castings Co. (Malleable Castings), H Quincy, Cleveland, O.
Pidgeon-Thomas Iron Co., Dept. H, Memphis, Tenn.
Railroad Accessories Corp., 43 Church, New York
Railroad Wheel Dog Co. ("Stockwell-Gerrish" Wheel Dog), Providence bldg, Tacoma, Wash.
Schaefer Equipment Co., Oliver bldg, Pittsburgh, Pa.
Southern Ry. Supply Co., 1323H E Main, Richmond, Va.
Stacy E. S Supply Co., 43 Taylor, Springfield, Mass.
Standard Car Truck Co., McCormick bldg, Chicago, Ill.
Standard Stoker Co. (Stokers Only), Grand Central Terminal, New York
Stratton Warren Hdwe. Co., Dept. H, Memphis, Tenn
Sumter Ry. & Mill Supply Co., Dept. H, Sumter, S. C.
Taylor-Parker Co., Dept. H, Norfolk, Va.
Track Specialties Co., Inc. (Dlrs.), 2-4-6 Morris, New York
Turner Supply Co., Dept. H, Mobile, Ala.
U. S. Wind Engine & Pump Co. (Water), Dept. H, Wilson & River, Batavia, N. Y.
Vissering Harry & Co. ("Viloco"), 14 E Jackson blvd, Chicago, Ill.
Walker Henry Co., Dept. H, Norfolk, Va.
Western Railway Supply Co., 175 N 15th, Portland, Ore.

12118— Rails (Barn Door)

Allith-Prouty Co., Danville, Ill.
Aurora Door Hanger & Specialty Co., Aurora, Ill.
Bethlehem Steel Co., Bethlehem, Pa.
Brewer Bros. Co. (Wrought), 2nd & Somerset, Phila., Pa.
Hunt, Helm. Ferris & Co. ("Harvard" Steel), Harvard, Ill.
Lawrence Bros., Sterling, Ill.
Myers F. E. & Bro. Co. (Myers "O. K.," "New Way," "Giant," "Hercules," "Faultless"), 950 Orange, Ashland, O.
See adv index at end of book
National Mfg. Co., Sterling, Ill.
Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book
Stowell Co., The (Parlor Door & Hay Carrier), South Milwaukee, Wis.

12119— Rails (Carriage, Etc.)

Searls Mfg. Co., 23 Mulberry, Newark, N. J.

12120—Rails (Coat, Robe, Etc.)

Attwood Brass Works, Grand Rapids, Mich.
Bridgeport Coach Lace Co. (Dlrs), 813 Wood av, Bridgeport, Conn.
Dependable Mfg. Co. ("Dependable"), 806H E Main, Streator, Ill.
Douglas & Lomason Co. (Robe), 5836 Lincoln av, Detroit, Mich.
Flat Metal Mfg. Co., 223 W Huron, Chicago, Ill.
Gemco Mfg. Co. ("Gemco" Robe, Foot, etc.), Milwaukee, Wis.
Highton Wm. & Sons Co. (Robe, etc), Nashua, N. H.
Novelty Mfg. Co. (Robe, Foot, Coat), Waterbury, Conn.
Republic Auto Parts Co., 81 10th, Long Island City, N. Y.

12121— Rails (Door)

Aurora Door Hanger & Specialty Co., Aurora, Ill.
Bridgeport Brass Co. (and Barn), Dept. H, Bridgeport, Conn.
Bryant Electric Co., 1421 State, Bridgeport, Conn.
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
Imperial Brass Mfg. Co. (Bronze), 1200 W Harrison, Chicago, Ill.
Newman Mfg. Co. (Guard Rails), 420 Elm, Cincinnati, O.
Reading Hardware Co., Reading, Pa.
Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book
Rome Brass & Copper Co. (Brass), Rome, N. Y.
Stanley Works (Wrought Steel), New Britain, Conn.
Stowell Co., The (Steel), South Milwaukee, Wis.
Waterbury Brass Goods Corp'n, Waterbury, Conn.

12122—Rails (Girder & High Tee)

See also Rail Mills, Iron & Steel

Bethlehem Steel Co., Bethlehem, Pa.
Cleveland Frog & Crossing Co., 6917 Bessemer rd, Cleveland, O.
Lorain Steel Co., Johnstown, Pa.

12123— Rails (Guard)

American Frog & Switch Co., Hamilton, O.
See adv index at end of book
Bethlehem Steel Co. (Railroad), Bethlehem, Pa.
Central Frog & Switch Co., Cincinnati, Ohio
Cincinnati Frog & Switch Co., Madison rd & B. & O. R. R., Okley, Cincinnati, O.
Cleveland Frog & Crossing Co., 6917 Bessemer av, Cleveland, O.
Cleveland Railway Supply Co., Swetland bldg, Cleveland, O.
Columbus Brass Co., 620 Dubin av, Columbus, Ohio
See adv index at end of book
Cope T. J. ("Copes"), 2112 Sansom, Phila., Pa.
Imperial Brass Mfg. Co., 1200 W Harrison, Chicago, Ill.
Knapp Fence Co., 152 E 134th, Cleveland, Ohio
Louisville Frog & Switch Co., Louisville, Ky.
Newman Mfg. Co., 420 Elm, Cincinnati, O.
Pa. Construction Co., Marietta, O.
Pettibone Mulliken Co., 140 S Dearborn, Chicago, Ill.
Reading Specialties Co. (One Piece), Reading, Pa.
Weir Frog Co., Foreign Dept. 43 Cedar, New York
Wharton Wm. Jr., & Co., Inc. (Standard & "Tisco" Manganese Steel), Easton, Pa.
Wrobbel-Maine Co. (The), 3106 E 63rd, Cleveland, O.

12124-5—Rails (Hand & Foot)

American Bridge Co., 30 Church, New York
Badger Wire & Iron Works (Brass), 25th av & Cleveland, Milwaukee, Wis.
Bigelow Cheney Wire Works, Springfield, Mass.
Braun J. G., 609 S Paulina, Chicago, Ill.
Central Specialty Mfg. Co. (Brass Nickel Plated Crystal & Opal Glass Hand), 404 S Kolmer av, Chicago, Ill.
Dahlstrom Metallic Door Co. (Bridge Hand Rails), 413 Buffalo, Jamestown, N. J.
See adv index at end of book
Detroit Shipbuilding Co. (Brass Dept.), ft. Orleans Detroit, Mich.
Douglas & Lomason Co. (Foot), 5836 Lincoln av, Detroit, Mich.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Newman Mfg. Co., 420 Elm, Cincinnati, O.
Republic Structural Iron Works Co., 1350 E 53d, Cleveland, O.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Western Brass Mfg. Works (Brass & Bronze), Marshall blvd & W 21st, Chicago, Ill.
Wis. Iron & Wire Works, 1660 Booth, Milwaukee, Wis.

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Rails (Light)

See Rail Mills, Iron & Steel; also Rails, Steel

12126—Rails (Manganese Steel)

Brady M. F. Equipment Co., 486 N 22nd, Portland, Ore.
Wharton Wm. Jr., & Co., Inc. (Cast "Tisco"), Easton, Pa.

12126a—Rails (New & Relaying)

Briggs & Turivas, 110 S Dearborn, Chicago, Ill.
Clyde Equipment Co., 555 Thurman, Portland, Ore.
Cohen Louis & Son, Wilkes-Barre, Pa.
Engineering Products Co., Rialto bldg, San Francisco, Cal.
See adv index at end of book
Fechheimer D., 20 E Jackson blvd, Chicago, Ill.
FISHEL & MARKS CO., ft of Krakow av, Cleveland, O.
See adv index at end of book
Fortier J. A., 1029 6th av S, Seattle, Wash.
Foster L. B. Co., Park bldg, Pittsburgh, Pa.
Frank M. K., Frick bldg, Pittsburgh, Pa.
Green L. A., First Nat'l Bank bldg, Pittsburgh, Pa.
Hofius Steel & Equipment Co., L. C. Smith bldg, Seattle, Wash.
HYMAN-MICHAELS CO. (We have on hand at all times large tonnages of all weights of No. 1 Steel Relaying Rails), 122 S Michigan av, Chicago, Ill.
See adv index at end of book
Iron Trade Products Co. (New), Farmers Bank bldg, Pittsburgh, Pa.
Jamison E. P. Co., Stuart bldg, Seattle, Wash.
Joseph David J. Co., 1234 Harrison, Cincinnati, Ohio
Key Jno. L., 74 New Montgomery, San Francisco, Cal.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Levis Henry & Co., 303 Commercial Trust bldg, Phila., Pa.
See adv index at end of book

New & Relaying Rails
Railway Equipment
HENRY LEVIS & CO.
303 Commercial Trust Bldg., Philadelphia
Yard—Chester, Pa.

Marks & Fiske, 2507 24th, Detroit, Mich.
National Steel Rail Co. (Relaying), 408 Pine, St. Louis, Mo.
Richardson & Co., Inc., 518 Oliver bldg, Pittsburgh, Pa.
Robinson & Orr, 419 Wood, Pittsburgh, Pa.
San Francisco Iron & Metal Co., 2301 Stockton, San Francisco, Cal.
Scott, Sugden & Lamont, Monadnock bldg., San Francisco, Cal.
Seattle Frog & Switch Co., L. C. Smith bldg, Seattle, Wash.
Smith-McCrea Co., 1003H House bldg, Pittsburgh, Pa.
Track Specialties Co., Inc. (Dirs.), 2-4-6 Morris, New York
UNITED COMMERCIAL CO., 234 Steuart, San Francisco, Cal.
Voegtly Wm. N. Jr., 625 Market, San Francisco, Cal.
Watson John B., 25th & Dickenson, Philadelphia, Pa.
Western Railway & Supply Co., 175 N 15th, Portland, Ore.
White W. F. & Co., Linden, Clarksburg, W. Va.
Wilkoff Co., Youngstown, O.
Zelnicker Walter Supply Co. (Dealer) 325 Locust, St. Louis, Mo.

12126b— Rails (Relaying)

See also Railroad Equipments, Second Hand

Benjamin Harry Equipment Co., H Central Natl. Bank bldg, St. Louis, Mo.
Engineering Products Co., Rialto bldg, San Francisco, Cal.
See adv index at end of book
FISHEL & MARKS CO., ft of Krakow av, Cleveland, O.
See adv index at end of book
Foster H. M. Co., Continental bldg, Baltimore, Md.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Marks & Fiske (Dirs.), 2507 24th, Detroit, Mich.
MOTLEY JAMES M. (Exporter), 43 Cedar, New York
Sherwood E. C. (R. R. Equipment S. H.), 50 Church, New York
Standard Rail & Steel Co., H Boatmen's Bank bldg, St. Louis, Mo.
White W. F. & Co., Linden, Clarksburg, W. Va.
Wilkoff Co., Youngstown, O.
Zelnicker Walter Supply Co. (Dealer), 325 Locust, St. Louis, Mo.

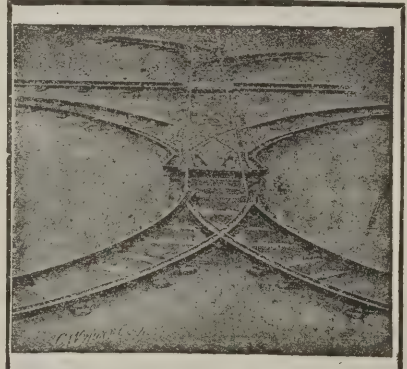
12127—Rails (Sliding Door)

Brewer Bros. Co. (Wrought), 2nd & Somerset, Phila., Pa.
Myers F. E. & Bro. Co. ("Myers"), 950 Orange, Ashland, O.
See adv index at end of book
Penn Hardware Co., Reading, Pa.

12128— Rails (Steel)

For Mills that Manufacture Steel Rails, see Rail Mills, Iron & Steel

Bethlehem Steel Co., Bethlehem, Pa.
Dunning Car Supply Co., United bldg, Indianapolis, Ind.
Easton Car & Construction Co., 36 Holley, Easton, Pa.
Frank M. K., H, Frick bldg, Pittsburgh, Pa.
Froment & Co., 150 Bank, New York
Hunt C. W. Co. (Industrial), West New Brighton, N. Y.
See adv index at end of book
Illinois Steel Co., 208 S La Salle, Chicago, Ill.
Inland Steel Co., 38 S Dearborn, Chicago, Ill.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Lambert H. T. & Co. (Light Dirs), H, 1st Natl. Bank bldg, Huntington, W. Va.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Levis Henry & Co., 303 Commercial Trust bldg, Phila., Pa.
National Sales & Trading Co. (All Sizes), Cleveland, O.
Naylor & Co. (Dirs.), 120 Broadway, New York
Pidgeon Thomas Iron Co., Memphis, Tenn.
Railway & Mine Supply Co., McCormick bldg, Chicago, Ill.



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Sherwood E. C., 50 Church, New York
Soule Edw. L. Co. (Iron & Steel Products of all kinds), Rialto bldg, San Francisco, Cal.
SWEETS STEEL CO. (Light), Williamsport, Pa.
WEIR FROG CO., Foreign Dept. 43 Cedar, New York
Youngstown Steel Car Co., Niles, O.
Zelnicker Walter Supply Co. (Dealer), 325 Locust, St. Louis, Mo.

Rails (Steel Renewed)

See Rail Mills Iron & Steel, with the Word Renewed following their Names

Rails (Tram)

See Rail Mills, Iron & Steel

12129—Railway Supplies (Electric)

See also Trolley Line Materials; also Electrical Supplies

Anderson Albert & J. M. Mfg. Co., 289 A, Boston, Mass.
Barbour Stockwell Co., Cambridge, Mass.
Bissell F. Co., Toledo, O.
Boston Armature Wks., N Washington, Boston, Mass.
Burnet Co., 69 South, New York
Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.
Columbus Mill & Mine Supply Co., 75 N. Front, Columbus, O.
Commercial Electrical Supply Co., B'way & Spruce, St. Louis, Mo.
Cotter G. F. Supply Co., Houston, Tex.
Creaghead Engineering Co., 340 Main, Cincinnati, O.
Dayton Mfg. Co., Dayton, O.
Dodge Haley Co., 218H High, Boston, Mass.
Drew Electric & Mfg. Co., Callamer av, Cleveland, O.
Eccles & Smith Co., 71 1st, San Francisco, Cal.
Electric Service Supplies Co. ("Keystone"), 17th & Cambria, Phila., Pa.
Electrical Material Co., 618 W Jackson blvd, Chicago, Ill.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Handlan-Buck Mfg. Co., 210-14 N 3d, St. Louis, Mo.
Harvey Co., 113 South, Baltimore, Md.
Hegeman-Castle Corp. ("Drew"), 80 E Jackson, Chicago, Ill.
Hofins Steel & Equipment Co. (Switch Material), L. C. Smith bldg, Seattle, Wash.
Holden & White ("Drew"), 80 E Jackson blvd, Chicago, Ill.
Hyman-Michaels Co. (Dealers), 122 S Michigan av, Chicago
See adv index at end of book
Industrial Supply Co., 25 Broad, New York
Johns-Manville Inc., Madison av. & 41st, New York
Marshall Wells Co., Duluth, Minn.
Miller Trolley Shoe Co. (Trolley Shoe), West Newton, Mass.
Nuttall R. D. Co. (Trolley Bases Harps Wheels Gears Pinions, etc.), McCandless & Harrison av, Pittsburgh, Pa.
Ohio Brass Co., Mansfield, Ohio
Post Glover Electric Co., 308 W 4th, Cincinnati, O.
Q. & C. Co., 90 West, New York
Railway Equipment Co., 104 First, Portland, Ore.
Ridlon Frank Co. (Of Every Description), 251 A, Boston, Mass.
Roberts H. C. Electric Supply Co., 11th & Race, Phila., Pa.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Semple W. & A. C., 309 W Main, Louisville, Ky.
Sherburne & Co., 53 Oliver, Boston, Mass.
Somers Fitler & Todd Co., 325 Water, Pittsburgh, Pa.
Star Brass Works (Trolley Wheels), Kalamazoo, Mich.
Symington T. H. Co., 233 B'way, New York
Union Electric Co., 31 Terminal-Way, Pittsburgh, Pa.
Waston John B. Co., 25th & Dickson, Philadelphia, Pa.
Wesco Supply Co., 7th & Clark, St. Louis, Mo.
Westinghouse Electric Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book
Wood Chas. N. Co., 948 Old South bldg, Boston, Mass.

12129a— Railways (Automatic)

Haiss Geo. Mfg. Co., Mott Haven, N. Y.
Hunt C. W. Co., West New Brighton, N. Y.
See adv index at end of book
Mead Morrison Mfg. Co., Prescott & Orleans, East Boston, Mass.

12130— Railways (Gravity)

Hunt C. W. Co., West New Brighton, N. Y.
See adv index at end of book

Railways (Incline)

See Stairways, Moving

12131—Railways (Industrial & Portable)

AM. FROG & SWITCH CO. ("American" Track Work), Hamilton, Ohio
See adv index at end of book
Atlas Car & Mfg. Co., Cleveland, O.
& Malleable Iron), 150 Lake, Elmira,
See adv index at end of book
Bethlehem Steel Co., Bethlehem, Pa.
Central Frog & Switch Co., Cincinnati, O.
Chase Foundry & Mfg. Co. The, 2700 S Parsons av, Columbus, O.
See adv index at end of book
Cincinnati Frog & Switch Co., Madison rd & B. & O. R. R., Okley, Cincinnati, O.
Easton Car & Construction Co., 36 Holley, Easton, Pa.
Engineering Products Co., Rialto bldg., San Francisco, Cal.
See adv index at end of book
Exeter Machine Works, Pittston, Pa.
Fox Bros. & Co., 126 Lafayette, New York
GENERAL ELECTRIC CO. (Equipment), Schenectady, N. Y.
See adv index at end of book
Howe Scale Co. of Illinois, 1222 S Wabash **av, Chicago, Ill.**
HUNT C. W. CO. (Industrial), West New Brighton, N. Y.
See adv index at end of book
Indianapolis Switch & Frog Co., Springfield, O.
Insley Mfg. Co., 3500 E St. Clair, Indianapolis, Ind.
Light Railway Equipment Co., 526 Commercial Trust bldg, Phila., Pa.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Mead-Morrison Mfg. Co., Cor. Prescott & Orleans, East Boston, Mass.
Ramapo Iron Works (Portable Track Switches, etc), Hilburn, N. Y.
Seattle Frog & Switch Co., L. C. Smith bldg, Seattle, Wash.
Signal Accessories Corp., Utica, N. Y.
Treadwell M. H. Co., 140 Cedar, New York
Treadwell M. H. Co. of Ill. ("Tread-Kill"), **208 S La Salle, Chicago, Ill.**
Turi Iron & Car Co., Inc., The, 50 Broad, New York. Works: Newburgh, N. Y.
Union Iron Works, Hoboken, N. J.
United Commercial Co., 234H Steuart, San Francisco, Cal.
WEIR FROG CO., Foreign Dept., 43 Cedar, New York
Western Wheeled Scraper Co., Farnsworth, Aurora, Ill.
WHARTON WM. JR. & CO. INC. (Industrial), Easton, Pa.
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.

12132—Raisers (Carriage Top)

Murray P. A. & Co. ("Murray"), Newton, Mass.

12133—Rakes (Asphalt or Tar)

American Fork & Hoe Co. ("True Temper" Steel); Swetland bldg., Cleveland, O.
Barber Asphalt Co. ("Iroquois" Asphalt), Land Title bldg, Phila., Pa.
Littleford Bros., 444 E Pearl, Cincinnati, Ohio *See adv index at end of book*
Union Fork & Hoe Co., Columbus, O.

12134— Rakes (Bean)

Emerson-Brautingham Co., ("E. B." also Peas & Peanuts) Rockford, Ill.

12135— Rakes (Drag)

Foster & Williams Mfg. Co., Racine, Wis.
trial Only), Easton, Pa

12136—Rakes (Garden or Lawn, Etc.)

Alexander G. E. & Son, Sunapee, N. H.
American Fork & Hoe Co., ("True Temper") Swetland bldg., Cleveland, O.
Bartlett L. D. & Son, South Tamworth, N. H.
Brinser E. C. Sons (White Ash & Hickory) Richmond, Va.
Cheesebrough Thos. E. (Wood), Freeport, Mich.
Cronk & Carrier Mfg. Co. ("Queen City," "Jumbo," "Cronk's," "Elmira Steel Bow," "Champion," "Ideal," "Bow Ideal," "Victor" Brace Wrought Steel & Malleable Iron), 150 Lake, Elmira, N. Y.
Derby & Ball, Bellows Falls, Vt
Kohler F. E. Co. (Steel Garden Only), Canton, O.
Ney Mfg. Co. (Automatic Self-Cleaning Lawn), Canton, O.
Piqua Handle & Mfg. Co. (Malleable Iron, Garden & "Ole Olsen" Wood Lawn), P O Box 307, Piqua, O.
Rogers Rake Co., New Hartford, Conn.
Specialty Device Co. ("Standard" "Oblique Tooth"), 196 W 3d, Cincinnati, O.
Stedman M. W., Tyringham, Mass.
Swineford G. A. Co. ("Gibbs Auto Cleaner," Wire & Automatic, etc.), Canton, O.
Union Fork & Hoe Co. ("Union" Bow & Single Shank Steel, Wire Lawn, "Old Hickory" etc). Columbus, O.
Updyke & Updyke ("Namco" Japanese Split Bamboo Dirs), 316 Washington, Bristol, Pa.
Wallingford Mfg. Co., Wallingford, Vt
Worthington A. P. ("Lawn Cleaner"), 700 N Main, Los Angeles, Cal.

12137— Rakes (Gas Retort)

American Fork & Hoe Co., Swetland bldg., Cleveland, O.
McIntyre C. F., Maine, N. Y.
Rogers Rake Co., New Hartford, Conn.

12138— Rakes (Hay Hand)

Rugg Mfg. Co. (Also Drag & Toy), Greenfield, Mass.
Stedman M. W., Tyringham, Mass.
Swineford G. A. Co., Canton, O.

12139—Rakes (Hay Revolving)

Herschel R. Mfg. Co., Peoria, Ill.
Hughes & Smythe, Galena, O.
Ohio Rake Co. ("Bob White," "Huber"), Dayton, O.
Wayne Works, Richmond, Ind.

12140—Rakes (Hay, Side Delivery)

Acme Harvesting Machine Co., Peoria, Ill.
Dain Mfg. Co., Ottumwa, Iowa
Emerson-Brantingham Co., ("E. B.") Rockford, Ill.
Hocking Valley Mfg. Co. ("Lancaster"), Lancaster, O.
International Harvester Co. ("International"), Harvester bldg, Chicago, Ill.
Massey-Harris Harvester Co., Batavia, N. Y.
Moline Plow Co. ("Flying Dutchman," "Moline" Cylinder), Moline, Ill.
Ohio Rake Co. ("Hays-Dayton" Steel Frame), Dayton, O.
Rock Island Plow Co. ("C. B. & Q." Tedder & Cylinder), Rock Island, Ill.
Sandwich Mfg. Co., Sandwich, Ill.
Sterling Mfg. Co., Sterling, Ill.
Thomas Mfg. Co. ("Thomas" Cylinder Side Delivery Rake & Tedder), Springfield, Ohio
Wood Walter A. Mowing & Reaping Machine Co., Hoosick Falls, N. Y.

12141— Rakes (Hay, Sulky)

Acme Harvester Machine Co. ("Lark"), Peoria, Ill.
Albright Jas. H. & Sons, Mifflinburg, Pa.
Allen Chas. G. Co., Barre, Mass.
Bateman Mfg. Co. ("New York Champion," "Iron Age"), Grenloch, N. J.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Deere John Harvester Works, East Moline, Ill.
Emerson-Brantingham Co. ("E. B." B. Osborne" Rockford, Ill.
Fleming & Sons' Mfg. Co., Huntsville, Mo.
Gale Mfg. Co., Albion, Mich.
Hocking Valley Mfg. Co., Lancaster, O.
International Harvester Company of America (Inc.), Deering-McCormick-Milwaukee, Harvester bldg, Chicago, Ill.
Messinger Mfg. Co. ("Steel King" Self-Dumping), Tatamy, Pa.
Moline Plow Co. ("Adriance"), Moline, Ill.
Shaw H. C. Co., Stockton, Cal.
Smith & Sons Mfg. Co. (2 & 3-Wheel Sweep), Kansas City, Mo.
Sterling Mfg. Co., Sterling, Ill.
Thomas Mfg. Co. "Reliable." "Orchard," "Thomas Alfalfa," Springfield, O.
Van Brunt Mfg. Co., Horicon, Wis.
Wiard Plow Co., Batavia, N. Y.
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12142— Rakes (Stacker, for Threshers)

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Port Huron Engine & Thresher Co., Port Huron, Mich.

12143— Rakes (Stalk)

Acme Harvesting Machine Co., Peoria, Ill.
Peoria Drill & Seeder Co. ("Glendale"), Peoria, Ill.
Sheer E., Lincoln, Ill.

12144— Rakes (Sweep)

Acme Harvesting Machine Co. (Hay), Peoria, Ill.
Anderson Co., 2324 University av, St. Paul Minn.
Barley Thos. K., Sedalia, Mo.
Clippinger A. B. & Son Mfg. Co., Kansas City, Kan.
Dain Mfg. Co. (Automatic Stackers, also Side Rakes), Ottumwa, Ia.
Emerson-Brantingham Co., ("E. B.") Two, Three & Four Wheeled & Power Lift), Rockford, Ill.
Famous Mfg. Co. (Peerless Sweep Champion Buck), East Chicago, Ind.
Fleming & Sons Mfg. Co., Huntsville, Mo.
Grand Detour Plow Co., Dixon, Ill.
International Harvester Co. ("McCormick-Deering), Harvester bldg, Chicago, Ill.
Jackson Byron Iron Works (Sweep), Berkeley, Cal.
Jenkins Hay Rake & Stacker Co., Chillicothe, Mo.
Kansas City Hay Press Co. (Stacker & Rake), Kansas City, Mo.
Louden Machinery Co. (Rickers), Fairfield, Ia.
Plattner-Yale Mfg. Co., Lincoln, Neb.
Superior Hay Stacker Mfg. Co., Linneus, Mo.
Wyatt F. Mfg. Co. ("Jayhawk"), Salina, Kan.

12145—Rammers (Cement or Dirt)

Anderson W. H. Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Ransome Concrete Machinery Co., Dunellen, N. J.

12146— Rammers (Foundry)

See also Pneumatic Sand Rammers

Barnett Oscar Fdry. Co. (Bench & Floor), Irvington, N. J.
Brown & Sharpe Mfg. Co. (Rubber Tipped), Providence, R. I.
CHICAGO PNEUMATIC TOOL CO. (Air), 6 E 44th, New York, N. Y.
See adv index at end of book
Cleveland Pneumatic Tool Co., 3734 E 78th, Cleveland, O.
See adv index at end of book
Hellenberg J. B. Co. (Moulders' Bench), Coldwater, Mich.
Independent Pneumatic Tool Co., 600H W Jackson blvd, Chicago, Ill.
Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*
Osborne Mfg. Co., 5401 Hamilton av, Cleveland, O.
Pollard Jos. G. (Cast Iron Ash Handle), 141 Raymond, Brooklyn, N. Y.
Prouty C. & Co., Eldred, Pa.
Stossel Carl Sons & Co., Front Royal, Va.

12147— Rammers (Pavers')

Stortz John & Son (Stone Paving, etc), 210 Vine, Phila., Pa.

Rammers (Sand)

See Rammers, Foundry

12147a— Ramps

Ramp Buildings Corp., 4 E 40th, New York

12148— Rams (Hydraulic)

See also Hydraulic Rams

RIFE HYDRAULIC ENGINE MFG. CO., 90 West, New York

12149— Range Finders

Bausch & Lomb Optical Co. (For Battle Ships, Coast Defense, etc), Rochester, N. Y.
Leupold-Voelpel & Co. ("Osborne" for locating forest fires), 107 E 7th N, Portland, Ore.
See adv index at end of book

Ranges (Acetylene)

See Stoves, Acetylene

12150— Ranges (Electric)

See Also Stoves, Electric

Allmur Mfg. Co., Marion, Ind.
Buzzini Walter J., 505 W 21st, New York
Cadillac Mfg. Co., Cadillac, Mich.
Despatch Mfg. Co., 120 1st av, Minneapolis, Minn.
Edison Elec. Appliance Co., 5666 Taylor, Chicago, Ill.
Estate Range Co. ("Estate"), Hamilton, Ohio
Estate Stove Co., Hamilton, O.
Globe Stove & Range Co., Kokomo, Ind.
Good Housekeeping Cooker Co, Berkeley, Cal.
Hughes Electric Heating Co. ("Hughes"), 5660 W Taylor, Chicago, Ill.
Landers, Frary & Clark, New Britain, Conn.
Majestic Elec. Appliance Co. ("Majestic"), 590 Folsom, San Francisco, Cal.
Michigan Stove Co., Adair & Jefferson, Detroit, Mich.
Rathbone, Sard & Co. ("Acorn"), Albany, N. Y.
Ringen Stove Co., 827 Choutcan av, St. Louis, Mo.
Roper Geo. D. Corp., 707 S Main, Rockford, Ill.
Rutenber Electric Co. ("Rutenber") Marion, Ind.
S. P. Stove Co., Wilmette, Ill.
Simplex Electric Htg. Co., Cambridge, Mass.
Standard Electric Stove Co., 1720 N 12th, Toledo, O.
Simplex Electric Heating Co. ("Simplex"), Cambridge, Mass.
Westgate Metal Products Co. ("Westgate"), E 12th & 47th av, Oakland, Cal.

(Continued on following page)

Ranges (Electric)—Continued

Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

12150a—Ranges (Hotel & Restaurant)

Bramhall Deane Co., 261 W 36th, New York
Buell B. B. & Co., Maritime bldg., Seattle, Wash.
Cass Mfg. Co., 332 S Spring, Los Angeles, Cal.
Clad Victor V. Co., 119 S 11th, Phila., Pa.
Combustion Utilities Corp., 8-10 Bridge, New York
Duncan John M. Co., 1729 Mission, San Francisco, Cal.
Graham Jas. Mfg. Co. ("Wedgwood"), 695 Bryant, San Francisco, Cal.
Hoos Jno. Co. (Dirs.), 308 S Hanover, Baltimore, Md.
INGLE MFG. CO. ("Ingle," Oil Gas, Coal or Wood), 643 49 G, San Diego, Cal.
Madsen Iron Works, 5529 Bicket, Huntington Park, Cal.
Malleable Iron Range Co. ("Monarch"), Beaver Dam, Wis.
Mangrum & Otter Inc., 827 Mission, San Francisco, Cal.
Montague Range & Furnace Co., 380 6th, San Francisco, Cal.
Pick Albert & Co., 212 W Randolph, Chicago, Ill.
Ray W. S. Mfg. Co., 120 New Montgomery, San Francisco, Cal.
Western Range Co., 532 McAllister, San Francisco, Cal.

12151— Ranges (Kettle)

Weaver & Co. ("Perfection"), New Oxford, Pa.

Ranges (Portable & Stationary)

See Stove Manufacturers; also Ranges, Steel; also Cooking Apparatus

12152— Ranges (Steel)

See also Stoves; also Cooking Apparatus
A. & J. Mfg. Co., Gadsden, Ala.
Allen Mfg. Co. ("Princess"), 300 10th av, N Nashville, Tenn.
American Stove Co. ("Quick Meal" Coal & Wood, "Quick Comfort" & "National"), 927 Chouteau av St. Louis, Mo.
Art Stove Co., Russell & Milwaukee, Detroit, Mich.
Bardes E. H. Range & Foundry Co., 2619 Colerain, Cincinnati, O.
Belleville Stove & Range Co., Belleville, Ill.
Berghofer Mitchell Co., Quincy, Ill.
Born Steel Range Co., 3945 W 25th, Cleveland, Ill.
Bostick Stove Co. ("Banner"), Lapeer, Mich.
Bramhall Deane Co., 261 W 36th, New York
Bridgeford Co. (Wrought Steel), Louisville, Ky.
Burton Range Co., 7th & Sycamore, Cincinnati, O.
Buzzini Walter J., 505 W 21st, New York
Comstock-Castle Stove Co., Quincy, Ill.
Co-Operative Foundry Co. ("Red Cross" Combination Coal & Gas), Rochester, N. Y.
Copper Clad Malleable Range Co., Wainwright bldg, St. Louis, Mo.
Crane Wm. M. Co. ("Vulcan"), 18 E 41st, New York
Cribben & Sexton Co., 680 N Sacramento blvd, Chicago, Ill.
Culter & Proctor Stove Co., Peoria, Ill.
Decker Adam Hardware Co., 347 Jackson, St. Paul, Minn.
Detroit Stove Wks. ("Detroit Jewel"), 6900 East Jefferson av, Detroit, Mich.
Duparquet, Huot & Moneuse Co., 110 W 22d, New York
Eclipse Stove Co. ("Eclipse"), Mansfield, Ohio
Ettinger J. M. ("Lily"), 70 W Lake, Chicago, Ill.
Excelsior Stove & Mfg. Co. (Wrought Steel), Quincy, Ill.
Faultless Iron Works ("Faultless," "Fearless" Malleable Iron), St. Charles, Ill.
Fischer Wm. G. Stove & Range Co., 326 McFarland, Cincinnati, O.
Folsom C. G. Mfg. Co. ("Folsom"), South Bend, Ind.
Fuller & Warren Co. (Hotel), Troy, N. Y.
Galusha Stove Co. ("Norman"), Rochester, N. Y.
Glascock Stove & Mfg. Co. ("Carolina"), Greensboro, N. C.
Globe Stove & Range Co., Kokomo, Ind.
Gohman Bros. & Kahler Co., New Albany, Ind.
Graham Jas. Mfg. Co. ("Wedgewood" for Gas, Coal & Wood), 695 Bryant, San Francisco, Cal.
Gray & Dudley Hardware Co., (Washington" "Black Imp" "Our Clipper" "Hermitage" Steel and Gray Iron Stoves and Ranges), Nashville, Tenn.
Hammer-Bray Co., Dept. H, 26th av & E 12th, Oakland, Cal.
Hardwick Stove Co. ("Sunny South"), Cleveland, Tenn.
Haswell Steel Range & Furnace Co., Circleville, O.
Hess, Snyder Co. ("Boomer"), Massillon, O.
Home Stove Co., 501 Kentucky av, Indianapolis, Ind.
Hutchinson Bros., 5 S Howard, Baltimore, Md.
Ils John G. & Co., 839 Mission, San Francisco, Cal.
Imperial Steel Range Co., 2900 Detroit av, Cleveland, O.
Independent Stove Co. (Steel & Cast Iron), Owosso, Mich.
Joesting & Schilling Co., 379 Sibley, St. Paul, Minn.
Johnston-Slocum Co. ("Perfection" Fireless), Caro, Mich.
Lehigh Stove & Mfg. Co. ("Lehigh Cabinet"), Lehighton, Pa.
Mahoney Daniel & Sons ("McBean"), 17 Main, Buffalo, N. Y.
Majestic Mfg. Co., 2134 Morgan, St. Louis, Mo.
Malleable Steel Range Mfg. Co., (For Family, Hotel & Marine Use), South Bend, Ind.
Manning Mfg. Co., Inc. (Oil), 60 6th, Portland, Ore.
Michigan Stove Co. ("Garland") Adair & Jefferson, Detroit, Mich.
Miller Wm. Range & Furnace Co. (Portable), 7th & Broadway, Cincinnati, O.
Mission Foundry & Stove Wks. ("Hollywood"), 557 Treat av, San Francisco, Cal.
Mississippi Valley Stove Works, Fulton, Ill.
Monitor Stove Co., C. H. & D. Ry, av, nr Gest, Cincinnati, O.
Montag Stove Works ("Colonial"), Kenton Station, 101 W Columbia blvd, Portland, Ore.
Montague Range & Furnace Co., 380 6th, San Francisco, Cal.
Morandi-Proctor Co., 86 Washington, Boston, Mass.
Mountain City Stove & Mfg. Co. ("Southern Queen"), Chattanooga, Tenn.
National Stove Co. (Am. Stove Co.) (Gas for Fuel), Lorain, O.
Orbon Stove & Range Co., Belleville, Ill.
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Perfect Stove & Mfg. Co., Belleville, Ill.
Phillips & Buttorff Mfg. Co. (Also Cast), Nashville, Tenn.
Portsmouth Stove & Range Co., Portsmouth, O.
Prizer Painter Stove Co. ("Prizer"), Reading, Pa.
Pueblo Brass & Iron Foundry ("Regent"), Pueblo, Colo.
Ray W. S. Mfg. Co. (Also Ship Ranges), 120 New Montgomery, San Francisco, Cal.
Richmond Stove Co., Dept. H, 2506 E Main, Richmond, Va.
Ricketts & Bartlett Range Co., 25 W Illinois, Chicago, Ill.
Rock Island Stove Co. ("Riverside"), Rock Island, Ill.
Schill Bros. Co., Crestline, O.
Sexton S. B. Stove & Mfg. Co. (Also Cast Iron), 500 W Conway, Baltimore, Md.
Smith & Anthony Co. ("Hub"), 52 Union, Boston, Mass.
Standard Foundry & Mfg. Co., 2717 E. 75th, Cleveland, O.
Steiger & Kerr Stove & Foundry Co. ("Occidental"), 2201H Folsom, San Francisco, Cal.
Sterling Range & Furnace Corp. (Combination Coal, Heating & Cooking), 524 Oak, Rochester, N. Y.
Summit Foundry Co., Geneva, N. Y.
Taplin-Rice-Clerkin Co. ("Climax"), Akron, O.
Tennessee Stove Co. ("Volunteer"), Main & Belt Ry., Chattanooga, Tenn.
Tinnerman Stove & Range Co. ("Ohio" Wrought Steel), 2038 Fulton rd, Cleveland, O.
Toledo Stove & Range Co. ("Gem"), Toledo, O.
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Vesta Gas Range & Mfg. Co. ("Vesta"), 110 Cathrn, Chattanooga, Tenn.
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Wisconsin Fdry. & Steel Works ("Truestyle," "Queen's Best," "Queen Bird"), Cedar Grove, Wis.
Wolterstorff Range Co. (Wrought Steel), 66 E 3rd, St. Paul, Minn.
Wrought Iron Range Co., 5661 Natural Bridge av, St. Louis, Mo.

12153—Rapping Plates & Lifting Screws

Am. Sheet & Tin Plate Co. (Steel Only), H, Frick bldg, Pittsburgh, Pa.
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Combined Supply & Equipment Co. Inc., 766-772 Grant av, Buffalo, N. Y.
Federal Malleable Co. ("Frazer"), West Allis, Wis.
Shanafelt Mfg. Co., (Lifting Screws), Dept. H, Canton, O.
Timmis & Clissold, Bound Brook, N. J.

12154— Rasps (Horse)

See also File & Rasp Mfrs.
Disston Henry & Sons, Tacony, Phila., Pa.
Heller Bros. Co., 879 Mt. Prospect av, Newark, N. J.
NICHOLSON FILE CO. ("Nicholson," "Superior"), Providence, R. I.
Stokes Bros. Mfg. Co. ("St. Crispen"), Freehold, N. J.
Westfahl File Co. ("Westfahl"), 467 31st, Fence), 621 E Pearl, Cincinnati, O.

12155-6-7-8— Ratchets

Boston Gear Works, Norfolk Downs, Quincy, Ill. *See adv index at end of book*
Diefendorf Gear Corp., Syracuse, N. Y.
Mass. Gear Tool Co., Woburn, Mass.
Phila. Gear Wks., 1123 Vine, Phila., Pa.
See adv index at end of book
Stevenson Gear Co., 1019 Cornell, Indianapolis, Ind.

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Novelty Mfg. Co., Jackson, Mich.
Schriver O. P. & Co. ("I. X. L." Wire Fence), 621 E Pearl, Cincinnati, O.
Sterling Foundry Co. ("Best"), Sterling, Ill.
Wickwire Spencer Steel Corp. ("Excelsior"), 41 E 42nd, New York
See adv index at end of book
Wrightsville Hardware Co. ("Brighton"), Wrightsville, Pa.

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American Rattan & Reed Mfg. Co. (Car Seating, Webbing, etc), 268 Norman av, Brooklyn, N. Y.
Hartshorn C. H., Gardner, Mass.
Heywood Bros. & Wakefield Co., Gardner, Mass.
Huke Wm. Mfg. Co. (Jobbers), 4311 Grand,
Jenkins-Phipps Co., Wakefield, Mass.
Mas. Art Basket Works Inc. 2001 E 14th, Oakland, Cal.
Rattan & Cane Co., 16 Hudson, New York
Specialty Reed Works, Spartanburg, S. C.
United States Rattan Co., Hoboken, N. J.

12166—Rattans; Reed & Chair Cane

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12167— Rattlers (Brick)

United Iron Works, Inc., Kansas City, Mo.

12168— Rattlers (Flue)

Baird Pneumatic Tool Co., 432 Rialto bldg, Kansas City, Mo.

12169— Rattlers (Foundry)

Dayton-Dowd Co. ("Dayton-Dowd") Quincy, Ill.
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United Iron Works, Inc., Kansas City, Mo.
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.

12170— Rattlers (Nail)

Miller's H. J. Sons, Bridgewater, Mass.
Perkins Henry Co., Bridgewater, Mass.
Vaughn Machinery Co., Cuyahoga Falls, O.

12171— Rattles (Wooden)

Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Kirby Mfg. Co., Middletown, Conn.

12172— Rawbone (Boiled)

Cooper's Peter Glue Factory, 11th av & 28th, New York

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See also Bone Black

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12175— Razor Mfrs.

Boker Cutlery & Hardware Co., Inc. ("Tree Brand," Imported), 101 Duane, New York
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Cattaraugus Cutlery Co., Little Valley, N. Y.
Challenge Cutlery Corp., 58 Seym av, Bridgeport, Conn.
Christy Co., Fremont, O.
Clark Bros. Cutlery Co., 926 B'way, Kansas City, Mo.
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Clauss Shear Co., Fremont, O.
Compton W. H. Shear Co., 314 Camden, Newark, N. J.
Droescher S. R. ("Comfort" Imp.), 79 Warren, New York
Empire Knife Co., Winsted, Conn.
Geneva Cutlery Corp, Geneva, N. Y.
Globe Razor Co., Fremont, O.
Graef & Schmidt ("Twin Brand," Imported), 107 Chambers, New York
Hessenbruch H. Co., 8 N 5th, Phila., Pa.
Hollinger Cutlery Co., Fremont, O.
Kastor Adolph & Bros. ("Wade & Butchers," Imported), 109 Duane, New York
Klaas Max, 320 Broadway, New York
Klauberg C. & Bros. (Imp. "Masterpiece," "Damascene"), Woolworth bldg, New York
Koch F. A. & Co., 524 B'way, New York
Korn Geo. W. Razor Mfg. Co., Little Valley, N. Y.
Landers, Frary & Clark ("Universal"), New Britain, Conn.
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Schrade Cutlery Co., Walden, N. Y.
Shumate Razor Co. ("Shumate"), 706 Chestnut, St. Louis, Mo.
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Sperry & Alexander Co. ("Centaur," Imported), 79 Chambers, New York
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Unsinger Razor Blade Co., Fremont, O.
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Winchester Repeating Arms Co. ("Winchester"), 275 Winchester, New Haven, Conn.
Wiss J. & Sons Co., 31 Littleton av, Newark, N. J.
Witte, Alexis Cutlery Co., 36 Erasmus, Bklyn, N. Y.
Wostenh lm Geo. & Son ("I. X. L." Imp.), 258 Broadway, New York

12176-7—Razor Mfrs. (Safety)

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Auto Strop Safety Razor Co., 345 5th av, New York
Bedford Safety Razor Co., Bedford, Mass.
Burham Safety Razor Co. ("Burham"), 388 Hudson, New York
Christy Co., Fremont, O.
Clark Blade & Razor Co. ("King," "Clark"), 119 Sussex av, Newark, N. J.
Clauss Shear Co. ("Clauss"), Fremont, O.
Crescent Mfg. Co., Tremont, O.
Durham Duplex Razor Co., Jersey City, N. J
Eagle Safety Razor Co., 66 West B'way, N. Y.
Enders Sales Co. ("Enders"), 105 W 40th, New York
Gem Cutlery Co. ("Gem"), 303 Jay, Brooklyn, N. Y.
Geneva Cutlery Corp, Geneva, N. Y.
Gillette Safety Razor Co. ("Gillette"), 41 W First, Boston, Mass.
Hart H. C. Mfg. Co. ("Finney"), Unionville, Conn.
Herbrand Co., Fremont, Ohio
International Safety Razor Corp., Bloomfield, N. J.
Kirtland Bros. & Co., 96 Chambers, N. Y.
Korn Geo. W. Razor Mfg. Co. ("Real"), Little Valley, N. Y.
Odell Mfg. Co. ("Odell"), 343 S Dearborn, Chicago, Ill.
Osbbrn J. K. Mfg. Co., Harrison, N. J.
Pall Mall Electric Co. ("Dr. Scott"), 51 W. 39th, New York
Poughkeepsie Cutlery Wks, Inc., Poughkeepsie, N. Y.
Roberts Numbering Machine Co., 706 Jamaica av, Brooklyn, N. Y.
Roberts Safety Razor Co., 706 Jamaica av, Brooklyn, N. Y.
Safege Co. ("Safege"), Geneva, N. Y.
Sall Mountain Co. ("Reliance"), 305 S La Salle, Chicago, Ill.
Silberstein A. L. ("Griffin"), 600 W 157th, New York
Traut & Hine Mfg. Co., New Britain, Conn.
Ulery U. J. Co. ("Clauss"), 258 Broadway, New York
Unsinger Razor Blade Co. ("Curbo"), Fremont, O.
Weck Edward & Son ("Sextoblade"), 148 Fulton, New York
Winchester-Simmons Co. ("Keen Kutter"), 9th & Spruce, St. Louis, Mo.

12178— Razzle Dazzles

Herschell-Spillman Co., No. Tonawanda, N. Y.

12179—Re-Agents (Chemical)

Barrett Co. (Flotation), 17H Battery pl, New York
General Chemical Co., 40 Rector, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
Merck & Co. ("Merck's" Blue Label), 45 Park pl, New York
Thomas A. H. Co. (Dlrs.), W Washington sq., Phila., Pa.

12180— Reamers (Adjustable)

See also Reamers, Expansion

Alvord Reamer & Tool Co. ("X-Cel"), Millersburg, Pa.
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Bilton Machine Tool Co. ("Bilton"), 990 Housatonic av, Bridgeport, Conn.
Brady F. A. Inc., 30 Church, New York
Cashman Tool Co. (Shell), Waynesboro, Pa.
Cleveland Cutter & Reamer Co. (The), 7410 Madison, Cleveland, O.
CLEVELAND TWIST DRILL CO. ("Paradox" "Quick-Set"), 1 E 49th, Cleveland, O. *See adv index at end of book*
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General Mach. Wks. ("G.M."), York, Pa.
Gisholt Machine Co. (¾ in. to 6½ in. Solid Adjustable of the Shell, Hand or Chucking Type), 1315 E Washington, Madison, Wis.
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NATIONAL TOOL CO., Cleveland, Ohio *See adv index at end of book*
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Smith & Hemenway Co., Inc. ("Red Devil"), 261 B'way, New York & 130H Colt, Irvington, N. J. *See adv index at end of book*
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Wells Corporation, The, 15 Arch, Greenfield, Mass. *See adv index at end of book*

12185—Reamers (Bit Stock)

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Ampco Twist Drill & Tool Co. ("Ampco"), 18th & Howard, Detroit, Mich.
Brady F. A., Inc., 30 Church, New York
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O. *See adv index at end of book*
Keystone Reamer & Tool Co., Millersburg, Pa.
Millersburg Reamer & Tool Co., Dept. H, Millersburgh, Pa.
Moore & Moore Inc. (Dlrs), H Colonial Trust bldg, Reading, Pa.
Reiff & Nestor Co., Lykens, Pa.
Whitman & Barnes Mfg. Co., Akron, O. *See adv index at end of book*

Established 67 Years
The Whitman & Barnes Mfg. Co.
TRADE W&B MARK AKRON, OHIO TRADE W&B MARK
TWIST DRILLS—REAMERS—FOR EVERY INDUSTRY

12186-7—Reamers (Bridge)

Alvord Reamer & Tool Co., Millersburg, Pa.
Ampco Twist Drill & Tool Co. ("Ampco"), 18th & Howard, Detroit, Mich.
Arrow Tool & Reamer Co., 334 Artillery av, Detroit, Mich.
Boker H. & Co., Inc. (Builders), 101 Duane, New York
Brady F. A. Inc., 30 Church, New York
Brubaker W. L. & Bros., Millersburg, Pa.
Buck Bros., Milbury, Mass.
Buckeye Twist Drill Co. (Boiler), Alliance, Ohio.
Butterfield & Co., Derby Line, Vt.
Chapin Skelton Corpn., 406 E Ash, Syracuse, N. Y.
Cleveland Cutter & Reamer Co. (The), 7410 Madison, Cleveland, O.
CLEVELAND TWIST DRILL CO., 1 E 49th, Cleveland, Ohio
See adv index at end of book
Cruban Machine & Steel Corp., 60 Varick, New York
Greenfield Tap & Die Corp. ("G. T. D." Spiral Fluted Taper, Squared & Taper Shanks), Greenfield, Mass.
Ketler-Elliott Co. ("Ketoco"), 31st & California, Chicago, Ill.
Keystone Reamer & Tool Co., Millersburg, burg, Pa.
Latrobe Tool Co. ("Latrobe" & Car), Dept. H, Latrobe, Pa.
Mayhew H. H. Co., Shelburne Falls, Mass.
Millersburg Reamer & Tool Co., Dept. H, Millersburgh, Pa.
Moore & Moore Inc. (Dirs), H Colonial Trust bldg, Reading, Pa.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
National Twist Drill & Tool Co. ("National"), Detroit, Mich.
Polk A. J. & Son Co., Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Reiff & Nestor Co., Lykens, Pa.
Rich Steel Products Co. ("R.S.P."), Battle Creek, Mich.
Standard Tool Co., 6700 Central av, Cleveland, O.
Swan Jas. Co., Seymour, Conn.
Tuck Mfg. Co., Brockton, Mass.
Watervliet Tool Co., Inc. (Carbon or High Speed), Albany, N. Y.
WAYNE TOOL MFG. CO. ("Wayne"), Waynesboro, Pa.
Whitman & Barnes Mfg. Co., Akron, O.
See adv index at end of book

12188— Reamers (Burring)

Alvord Reamer & Tool Co., Millersburg, Pa.
Ampco Twist Drill & Tool Co. ("Ampco"), 18th & Howard, Detroit, Mich.
Buck Bros., Millbury, Mass.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Butterfield & Co., Derby Line, Vt.
Chapin Skelton Corpn., 406 E Ash, Syracuse, N. Y.
Greenfield Tap & Die Corp. ("G. T. D." Spiral Fluted, Straight Fluted), Greenfield, Mass.
Keystone Reamer & Tool Co., Millersburg, burg, Pa.
Lord L. L. (Spiral Fluted), Meadville, Pa.
Mayhew H. H. Co., Shelburne Falls, Mass.
Millersburg Reamer & Tool Co., Dept. H, Millersburgh, Pa.
Moore & Moore Inc. (Dirs), H Colonial Trust bldg, Reading, Pa.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
Standard Tool Co., 6700 Central av, Cleveland, O.
Swan Jos. Co., Seymour, Conn.
Tuck Mfg. Co., Brockton, Mass.
Wells Corporation, The, 15 Arch, Greenfield, Mass. *See adv index at end of book*

12188a— Reamers (Carbon)

Alvord Reamer & Tool Co., Dept. H, Millersburg, Pa.
Ampco Twist Drill & Tool Co. ("Ampco"), 18th & Howard, Detroit, Mich.
Brady F. A. Inc., 30 Church, New York
Chapin Skelton Corpn., 406 E Ash, Syracuse, N. Y.
Keystone Reamer & Tool Co., Millersburg, Pa.
Millersburg Reamer & Tool Co., Dept. H, Millersburg, Pa.
Watervliet Tool Co., Inc., Dept. H, Albany, N. Y.
Wayne Tool Mfg. Co., Waynesboro, Pa.
Whitman & Barnes Mfg. Co., Akron, O.
See adv index at end of book

12189— Reamers (Center)

Alvord Reamer & Tool Co., Dept. H, Millersburg, Pa.
Ampco Twist Drill & Tool Co. ("Ampco"), 18th & Howard, Detroit, Mich.
Brady F. A. Inc., 30 Church, New York
Butterfield & Co., Derby Line, Vt.
Card S. W. Mfg. Co., Mansfield, Mass.
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O. *See adv index at end of book*
Detroit Twist Drill Co., 2108 W Fort, Detroit, Mich.
Gale-Sawyer Co., 255 Atlantic av, Boston, Mass.
Greenfield Tap & Die Corp. ("G. T. D."), Greenfield, Mass.
Keystone Reamer & Tool Co., Millersburg, Pa.
Millersburg Reamer & Tool Co., Dept. H, Millersburgh, Pa.
Moore & Moore Inc. (Dirs), H Colonial Trust bldg, Reading, Pa.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
National Twist Drill & Tool Co., Detroit, Mich.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Standard Tool Co., 6700 Central ave, Cleveland, O.
Whitman & Barnes Mfg. Co., Akron, O.
See adv index at end of book

12190— Reamers (Chucking)

Alvord Reamer & Tool Co., Millersburg, Pa.
Am. Twist Drill & Tool Co., W Jefferson av & 21st, Detroit, Mich.
Ampco Twist Drill & Tool Co. ("Ampco"), 18th & Howard, Detroit, Mich.
Arrow Tool & Reamer Co., 334 Artillery av, Detroit, Mich.
Brady F. A. Inc., 30 Church, New York
Brubaker W. L. & Bros. (Rose Fluted), Millersburg, Pa.
Buckeye Twist Drill Co. (Machine), Alliance, O.
Cleveland Cutter & Reamer Co. (The), 7410 Madison, Cleveland, O.
CLEVELAND TWIST DRILL CO., 1 E 49th, Cleveland, O.
See adv index at end of book
Detroit Twist Drill Co. (Fluted & Three Groove; also Rose Chucking), 2108 W Fort, Detroit, Mich.
Gale-Sawyer Co., 255 Atlantic av, Boston, Mass.
Gammons-Holman Co. ("Gammons Helical"), Manchester, Conn.
Gisholt Machine Co. (Solid Adjustable), Madison, Wis.
Greenfield Tap & Die Corp. ("G. T. D." Spiral Fluted & Chucking Rose), Greenfield, Mass.
Keystone Reamer & Tool Co., Millersburg, burg, Pa.
McCrosky Tool Corp., Dept. H, Meadville, Pa.
Millersburg Reamer & Tool Co., Dept. H, Millersburgh, Pa.
Moore & Moore Inc. (Dirs), H Colonial Trust bldg, Reading, Pa.
Morse Twist Drill & Machine Co. ("Morse") (Fluted Rose & Three Groove), New Bedford, Mass.
National Twist Drill & Tool Co. ("National" Rose Fluted), Detroit, Mich.
New Process Twist Drill Co. (Four Groove), Taunton, Mass.
Polk A. J. & Son Co. (Fluted, etc), Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Reiff & Nestor Co., Lykens, Pa.
Rogers John M. Works, Gloucester City, N. J.
Standard Tool Co., 6700 Central av, Cleveland, O.
Tool Salvage Co. (Restored to Original Diameter), 6522 Brush, Detroit, Mich.
Watervliet Tool Co., Inc, Dept. H, Albany, N. Y.
WHITMAN & BARNES MFG. CO., Akron, O.
See adv index at end of book

12190a—Reamers (Chucking, Rose)

Ampco Twist Drill & Tool Co. ("Ampco"), 18th & Howard, Detroit, Mich.
Brubaker W. L. & Bros., Millersburg, Pa.
Detroit Twist Drill Co., 2108 Fort W, Detroit, Mich.
Morse Twist Drill Co. ("Morse" Fluted), New Bedford, Mass.
National Twist Drill & Tool Co. ("National" Fluted), 6522 Brush, Detroit, Mich.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Reiff & Nestor Co., Lykens, Pa.

12190b—Reamers (Chucking, Three & Four Groove)

Ampco Twist Drill & Tool Co, ("Ampco"), 18th & Howard, Detroit, Mich.
Detroit Twist Drill Co. (Three Groove), 555 Fort, Detroit, Mich.
Morse Twist Drill Co. ("Morse" Three Groove), New Bedford, Mass.
New Process Twist Drill Co. (Four Groove), Taunton, Mass.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Reiff & Nestor Co. (Three Groove Only), Lykens, Pa.

12191-2—Reamers (Conduit Pipe)

Keystone Reamer & Tool Co., Millersburg, Pa.
Steel City Electric Co. ("Thompson"), 1207 Columbus av, Pittsburgh, Pa.

12193—Reamers (Electrical, Portable)

American Electric Tool Co. ("Carver"), West Newton, Mass.
Cincinnati Electrical Tool Co., Cincinnati, Ohio.
Hisey-Wolf Machine Co., Cincinnati, O.

12194—Reamers (Expansion)

Alvord Reamer & Tool Co., Dept. H, Millersburg, Pa.
Ampco Twist Drill & Tool Co. ("Ampco"), 18th & Howard, Detroit, Mich.
Bickford-Switzer Co. ("Cutwell"), 50 Norwood, Greenfield, Mass.
Bilton Machine Tool Co. ("Bilton"), 990 Housatonic av, Bridgeport, Conn.
Brady F. A. Inc., 30 Church, New York
Chadwick & Trefethen ("Critchley's"), Portsmouth, N. H.
Cleveland Cutter & Reamer Co. (The), 7410 Madison, Cleveland, O.
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O. *See adv index at end of book*
Cutter & Wood Supply Co. ("Critchley's Improved," "Super Six" Aligning), 274 Friend, Boston, Mass.
Gale-Sawyer Co., 255 Atlantic av, Boston, Mass.

EXPANSION HAND REAMERS
with SPIRAL FLUTES!



The valuable feature of hand expansion permits adjustment for oversize reaming. A locknut holds the size; a safety stop indicates positively when maximum limit has been reached and prevents over-expansion.

The spiral flutes of this new P. & W. Reamer permit clean, free cutting action on all work and are of special advantage in reaming holes with keyways in them.

Where a straight flute reamer would chatter, the spiral flutes pass safely over the recess and give a smooth hole true to size.

We make Small Tools of all kinds in all sizes for every purpose. Fully described in Catalogue No. 11

PRATT & WHITNEY CO.
WORKS—HARTFORD, CONN.
General Offices—111 Broadway, New York

General Mach. Wks., York, Pa.
Gisholt Machine Co. (Solid Adjustable), Madison, Wis.
Greenfield Tap & Die Corp., Greenfield, Mass.
Hjorth Lathe & Tool Co. ("B-ver"), 10 Tremont, Boston, Mass.
Kelly Reamer Co., 3705H W 73d, Cleveland, Ohio
McCrosky Tool Corp., Dept. H, Meadville, Pa.
Millersburg Reamer & Tool Co. ("Smooth-Kut"), Millersburg, Pa.
Moback Tool & Machine Mfg. Co. ("Moback" Inserted), 330 Atlantic av, Boston, Mass.
Moore & Moore Inc. (Dlrs), H Colonial Trust bldg, Reading, Pa.
Morse Twist Drill & Machine Co. ("Morse" Fluted), New Bedford, Mass.
New Britain Tool & Mfg. Co., New Britain, Conn.
Polk A. J. & Son Co., Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Reiff & Nestor Co., Lykens, Pa.
Schellenbach-Hunt Tool Co. ("Acme"), Murdock bldg, Cincinnati, O.
Standard Tool Co., 6700 Central ave, Cleveland, O.
Taft-Pierce Mfg. Co., Woonsocket, R. I.
Watervliet Tool Co. Inc., 1031 B'way, Albany, N. Y.
Wetmore Reamer Co., 60H 27th, Milwaukee, Wis.
Whitman & Barnes Mfg. Co., Akron, O.
See adv index at end of book

12194a—*Reamers for Cylinders (Roughing & Finishing)

Gale-Sawyer Co., 36 Oliver, Boston, Mass.
Kelly Reamer Co., 3705 W 73d, Cleveland, Ohio
Wetmore Reamer Co., 60th-27th, Milwaukee, Wis.

12195-6— Reamers (Hand)

Alvord Reamer & Tool Co., Dept H, Millersburg, Pa.
Ampco Twist Drill & Tool Co. ("Ampco"), 18th & Howard, Detroit, Mich.
Arrow Tool & Reamer Co., 334 Artillery av, Detroit, Mich.
Brady F. A. Inc., 30 Church, New York
Brubaker W. L. & Bros., Millersburg, Pa.
Buckeye Twist Drill Co., Alliance, O.
Cleveland Cutter & Reamer Co. (The), 7410 Madison, Cleveland, O.
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O. *See adv index at end of book*
Curban Machine & Steel Corp., 60 Varick, New York
Cutter & Wood Supply Co. ("Critchley Improved"), 274 Friend, Boston, Mass.
Detroit Twist Drill Co., 2108 W Fort, Detroit, Mich.
Dyer G. H. Co. (For Ford Cars Only), Cambridge, Mass.
Gale-Sawyer Co., 36 Oliver, Boston, Mass.
General Mach. Wks., York, Pa.
Gisholt Machine Co. (Solid Adjustable), Madison, Wis.
Greenfield Tap & Die Corp. ("G. T. D." Spiral Fluted), Greenfield, Mass.
Keystone Reamer & Tool Co., Millersburg, Pa.
Krueter & Co., 582 18th av, Newark, N. J.
McCrosky Tool Corp. ("McCrosky"), Dept. H, Meadville, Pa.
Mergenthaler Co., 118 Hollingsworth, Baltimore, Md.
Millersburg Reamer & Tool Co., Dept H, Millersburg, Pa.
Moore & Moore Inc. (Dlrs), H Colonial Trust bldg, Reading, Pa.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
Plomb Tool Mfg. Co. (Tinners), 2209 Santa Fe av, Los Angeles, Cal.
Polk A. J. & Son Co., Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Reiff & Nestor Co., Lykens, Pa.
Ryerson Jos. T. Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Schellenback-Hunt Tool Co. ("Rex" Expansion), Murdock bldg, Cincinnati, Ohio
Standard Tool Co., 6700 Central av, Cleveland, O.
Taft-Pierce Mfg. Co., Woonsocket, R. I.
Ward Tool & Forging Co., Latrobe, Pa.
Watervliet Tool Co., Inc., Dept. H, Albany, N. Y.
WHITMAN & BARNES MFG. CO., Akron, O. *See adv index at end of book*

12197-8—Reamers (High Speed Steel)

Alvord Reamer & Tool Co., Dept. H, Millersburg, Pa.
Am. Twist Drill & Tool Co., W Jefferson av & 21st, Detroit, Mich.
Ampco Twist Drill & Tool Co. ("Ampco"), 18th & Howard, Detroit, Mich.
Bickford-Switzer Co. ("Cutwell"), 50 Norwood, Greenfield, Mass.
Brady F. A. ("Fabrady"), 30 Church, New York
Buckeye Twist Drill Co., Alliance, Ohio
Chapin Skelton Corpn., 406 E Ash, Syracuse, N. Y.
Cleveland Cutter & Reamer Co., The, 7410 Madison, Cleveland, O.
Cleveland Cutter & Reamer Co., The, 1619 Merwin av, Cleveland, O.
CLEVELAND TWIST DRILL CO., 1 E 49th, Cleveland, Ohio
See adv index at end of book
Detroit Reamer & Tool Co., 302 E. Congress, Detroit, Mich.
Gale-Sawyer Co., 255 Atlantic av, Boston, Mass.
Keystone Reamer & Tool Co., Millersburg, Pa.
Ketler-Elliott Co. ("Ketoco" Spiral Fluted"), 31st & California, Chicago, Ill.
Latrobe Tool Co., Latrobe, Pa.
McCrosky Tool Corp., Dept. H, Meadville, Pa.
Millersburg Reamer & Tool Co., Dept. H, Millersburg, Pa.
Moore & Moore Inc. (Dlrs), H Colonial Trust bldg, Reading, Pa.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
Ward Tool & Forging Co., Latrobe, Pa.
Watervliet Tool Co. Inc ("Watervliet"), Dept. H, Albany, N. Y.
Wayne Tool Mfg. Co., Waynesboro, Pa.
WHITMAN & BARNES MFG. CO., Akron, O. *See adv index at end of book*
Wilkins Geo. H. ("Keystone"), 130 N. Market, Chicago, Ill.

12199— Reamers (Hub)

Brady F. A. Inc., 30 Church, New York
Keystone Reamer & Tool Co., Millersburg, Pa.

12199a— Reamers (Jobbers)

Ampco Twist Drill & Tool Co. ("Ampco"), 18th & Howard, Detroit, Mich.
Mills Thomas & Brother (Electrically Driven), Cor. Thompson & Eighth, Philadelphia, Pa.

(Continued on following page)



Reamers (Jobbers)— Continued

Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Reiff & Nestor Co., Lykens, Pa.

12200—Reamers (Lemon & Orange)

Whitman & Barnes Mfg. Co. (or Rod), Akron, O. *See adv index at end of book*

12201—Reamers (Locomotive)

Ampco Twist Drill & Tool Co. ("Ampco"), 18th & Howard, Detroit, Mich.
Arrow Tool & Reamer Co., 334 Artillery av, Detroit, Mich.
Brady F. A. Inc., 30 Church, New York
Greenfield Tap & Die Corp. ("G. T. D." Square Shank), Greenfield, Mass.
Kelly Reamer Co., 3705H W 73d, Cleveland, Ohio
Moore & Moore Inc. (Dlrs), H Colonial Trust bldg, Reading, Pa.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Reiff & Nestor Co., Lykens, Pa.
Watervliet Tool Co. Inc., 1031 B'way, Albany, N. Y.
Wayne Tool Mfg. Co., Waynesboro, Pa.

12202— Reamers or Tap Borers (Lead Pipe)

See also Borers, Tap

Enterprise Mfg. Co. of Pa., 3rd & Dauphin, Phila., Pa.
Lowentraut P. Mfg Co., 36 Brenner, Newark, N. J.
Osborne C. S. & Co., Box 183, Newark, N. J. *See adv index at end of book*
Defiance Machine Works, Defiance, O.

12203— Reamers (Pin)

Alvord Reamer & Tool Co., Dept. H, Millersburg, Pa.
Ampco Twist Drill & Tool Co. ("Ampco"), 18th & Howard, Detroit, Mich.
Brady F. A. Inc., 30 Church, New York
Brubaker W. L. & Bros., Millersburg, Pa.
Buckeye Twist Drill Co., Alliance, Ohio
Chapin Skelton Corpn., 406 E Ash, Syracuse, N. Y.
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O. *See adv index at end of book*
Detroit Reamer & Tool Co., 302 E Congress, Detroit, Mich.
Gale & Sawyer Co., 36 Oliver, Boston, Mass.
Gammons-Holman Co. ("Gammons Helical" Taper), Manchester, Conn.
Greenfield Tap & Die Corp. ("G. T. D." Taper Spiral Fluted), Greenfield, Mass.
Keystone Reamer & Tool Co., Millersburg, Pa.
Millersburg Reamer & Tool Co., Dept. H, Millersburg, Pa.
Moore & Moore Inc. (Dlrs), H Colonial Trust bldg, Reading, Pa.
Screw Machine Products Corp. (Taper), 1012 Eddy, Providence, R. I.
Watervliet Tool Co. Inc., Dept. H, Albany, N. Y.

Reamers (Pipe)

See Taps & Reamers, Pipe

Reamers (Pneumatic)

See Pneumatic Reaming & Tapping Drills

12204— Reamers (Radial)

Hanna Engineering Works ("Hanna," for Bridge & Structural Shops), 1764 Elston av, Chicago, Ill.

12205—Reamers (Rivet Hole)

Buckeye Twist Drill Co., Alliance, O.
Moore & Moore Inc. (Dlrs), H Colonial Trust bldg, Reading, Pa.
Standard Tool Co., 6700 Central av, Cleveland, O.
Watervliet Tool Co. Inc., Dept. H., Albany, N. Y.
Wayne Tool Mfg. Co., Waynesboro, Pa.

12206— Reamers (Set)

Alvord Reamer & Tool Co., Dept. H, Millersburg, Pa.
Ampco Twist Drill & Tool Co. ("Ampco"), 18th & Howard, Detroit, Mich.
Brady F. A. Inc., 30 Church, New York
Buffum Tool Co. ("Swastika," Conduit & Iron Pipe), South Side, Louisiana, Mo.
Dixon Wm. (Jewelers & Silversmiths "Damascus"), 119 Fulton, New York
Keystone Reamer & Tool Co., Millersburg, Pa.
Moore & Moore Inc. (Dlrs), H Colonial Trust bldg, Reading, Pa.

12207— Reamers (Shell)

Alvord Reamer & Tool Co., Millersburg, Pa.
Ampco Twist Drill & Tool Co. ("Ampco"), 18th & Howard, Detroit, Mich.
Brady F. A. Inc., 30 Church, New York
Brubaker W. L. & Bros., Millersburg, Pa.
Buckeye Twist Drill Co., Alliance, O.
Cashman Tool Co. (Adjustable), Waynesboro, Pa.
Cleveland Cutter & Reamer Co. (The), 7410 Madison, Cleveland, O
Cleveland Twist Drill Co., 1 E 49th, Cleveland, Ohio
See adv index at end of book
Detroit Reamer & Tool Co., 302 E. Congress, Detroit, Mich.
Detroit Twist Drill Co. (also Rose Shell), 2108 Fort W, Detroit, Mich.
Gale-Sawyer Co., 36 Oliver, Boston, Mass.
Gisholt Machine Co. (Solid Adjustable), Madison, Wis.
Greenfield Tap & Die Corp. ("G. T. D." Rose Straight & Spiral Fluted), Greenfield, Mass.
Keystone Reamer & Tool Co., Millersburg, Pa.
McCrosky Tool Corp. ("McCrosky" Adjustable), Dept. H, Meadville, Pa.
Millersburg Reamer & Tool Co., Dept. H, Millersburg, Pa.
Moore & Moore Inc. (Dlrs), H Colonial Trust bldg, Reading, Pa.
Morse Twist Drill & Machine Co. ("Morse" Adjustable & Rose), New Bedford, Mass.
National Twist Drill & Tool Co. ("National" Fluted), Detroit, Mich.
Polk A. J. & Son Co., Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn.
Reiff & Nestor Co. (Millimeter Sizes), Lykens, Pa.
Rogers John M. Works, Gloucester City, N. J.
Standard Tool Co., 6700 Central av, Cleveland, O.
Watervliet Tool Co. Inc., Dept. H., Albany, N. Y.
Wetmore Reamer Co., 60th 27th St., Milwaukee, Wis.
WHITMAN & BARNES MFG. CO., Akron, O. *See adv index at end of book*

12208—Reamers (Special Design)

Alvord Reamer & Tool Co., Dept. H, Millersburg, Pa.
American Tool & Mfg. Co., Urbana, O.
Ampco Twist Drill & Tool Co. ("Ampco"), 18th & Howard, Detroit, Mich.
Brady F. A. Inc., 30 Church, New York
Chapin Skelton Corpn., 406 E Ash, Syracuse, N. Y.
Cleveland Cutter & Reamer Co. (The), 7410 Madison, Cleveland, O.
Keystone Reamer & Tool Co., Millersburg, Pa.
McCrosky Tool Corp., Dept H, Meadville, Pa.
Millersburg Reamer & Tool Co., Dept. H, Millersburg, Pa.
Moore & Moore Inc. (Dlrs), H Colonial Trust bldg, Reading, Pa.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Reiff & Nestor Co., Lykens, Pa.
Watervliet Tool Co. Inc., Dept. H., Albany, N. Y.

12208a—Reamers (Spiral Fluted)

Ampco Twist Drill & Tool Co. ("Ampco"), 18th & Howard, Detroit, Mich.
Greenfield Tap & Die Corp. ("G. T. D."), Greenfield, Mass.
Ketler-Elliott Co. ("Ketoco"), 31st & California, Chicago, Ill.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Reiff & Nestor Co. (Boiler), Lykens, Pa.
Wells Corporation, The ("Cutwell"), 15 Arch, Greenfield, Mass.
See adv index at end of book

12209— Reamers (Square)

Alvord Reamer & Tool Co., Dept H, Millersburg, Pa.
Bagshaw & Field, 445 N 5th, Phila., Pa.
Buck Bros., Millbury, Mass.
Goodell Pratt Co., Greenfield, Mass.
Jennings C. E. & Co., 71 Murray, New York
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Snell Mfg. Co., Fiskdale, Mass.
Syracuse Twist Drill Co. ("Syracuse"), Syracuse, N. Y.
Tuck Mfg. Co. (Also Half Round), Brockton, Mass.
Vaughan & Bushnell Mfg. Co., 2114 Carroll av, Chicago, Ill.

12210— Reamers (Taper)

Alvord Reamer & Tool Co., Millersburg, Pa.
Am. Twist Drill & Tool Co., W Jefferson av at 21st, Detroit, Mich.
Ampco Twist Drill & Tool Co. ("Ampco"), 18th & Howard, Detroit, Mich.
Arrow Tool & Reamer Co., 334 Artillery av, Detroit, Mich.
Brady F. A. Inc., 30 Church, New York
Brown & Sharpe Mfg. Co. ("Standard"), Providence, R. I.
Brubaker W. L. & Bros., Millersburg, Pa.
Buck Bros., Millbury, Mass.
Buckeye Twist Drill Co., Alliance, O.
Butterfield & Co., Derby Line, Vt.
Chapin Skelton Corpn., 406 E Ash, Syracuse, N. Y.
Chicago Screw Co. (Taper Pin), Homan av & Fillmore, Chicago, Ill.
Cleveland Cutter & Reamer Co. (The), 7410 Madison, Cleveland, O.
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O. *See adv index at end of book*
Corbin Screw Corporation (Pin), New Britain, Conn.
Curban Machine & Steel Corp., 60 Varick, New York
Detroit Twist Drill Co. (Also Taper Pin), 2108 Fort W, Detroit, Mich.
Gale & Sawyer Co., 36 Oliver, Boston, Mass.
Gammons-Holman Co. ("Gammons Helical" Pin), Manchester, Conn.
Greenfield Tap & Die Corp. ("G. T. D." "Morse" Roughing & Finishing), Greenfield, Mass.
Holland Mfg. Co., 352 E 18th, Erie, Pa.
Keystone Reamer & Tool Co., Millersburg, Pa.
Millersburg Reamer & Tool Co., Dept H, Millersburg, Pa.
Moore & Moore Inc. (Dlrs.), H Colonial Trust bldg, Reading, Pa.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
National Twist Drill & Tool Co. ("National" Taper Pin, etc), Detroit, Mich.
Polk A. J. & Son Co., Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Reiff & Nestor Co., Lykens, Pa.
Rich Steel Products Co. ("R.S.P."), Battle Creek, Mich.
Rogers John M. Works (Solid & Adjustable), Gloucester City, N. J.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Standard Tool Co., 6700 Central av, Cleveland, O.
Stowe Flexible Shaft Co. (Long Taper), N 26th & Callowhill, Phila., Pa.
Syracuse Twist Drill Co. ("Syracuse" Square), 936H Grape, Syracuse, N. Y.
Ward Tool & Forging Co., Latrobe, Pa.
Watervliet Tool Co. Inc., Dept. H., Albany, N. Y.
Wayne Tool Mfg. Co., Waynesboro, Pa.
Whitman & Barnes Mfg. Co., Akron, O.
See adv index at end of book
Yonts C. H. & Co. (For Bit Brace, Paper Reamer & Ratchet Combination; also Spiral Fluted), Meadville, Pa.

12210a—Reamers (Taper Pin)

Ampco Twist Drill & Tool Co. ("Ampco"), 18th & Howard, Detroit, Mich.
Chicago Screw Co., Homan, av & Fillmore, Chicago, Ill.
Detroit Twist Drill Co., 555 Fort, Detroit, Mich.
Greenfield Tap & Die Corp. ("G.T.D."), Greenfield, Mass.
National Twist Drill & Tool Co. ("National"), 6522 Brush, Detroit, Mich.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Reiff & Nestor Co., Lykens, Pa.
Screw Machine Products Corp., 1012 Eddy, Providence, R. I.
Wells Corporation, The ("Cutwell"), 15 Arch, Greenfield, Mass.
See adv index at end of book

12211— Reamers (Turret Lathe)

Cleveland Twist Drill Co., 1 E 49th, Cleveland, O. *See adv index at end of book*
Kelly Reamer Co., 3705 W 73rd, Cleveland, O.

12212— Reamers (Under)

Grant Tool Co. ("Grant"), 1590 N Main, Los Angeles, Cal.
Oil Well Improvements Co. (Solid Bit), Tulsa, Okla.
Wilson & Willard Mfg. Co. ("Perfection"), 2301 E Vernon av, Los Angeles, Cal.

12213—Reamers (Valve Reseating)

Alvord Reamer & Tool Co., Dept H, Millersburg, Pa.
Ampco Twist Drill & Tool Co. ("Ampco"), 18th & Howard, Detroit, Mich.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Frick & Lindsay Co. (Dlrs.), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Hoerner Mfg. Co. ("Hoerner's" Adjustable Valve Seat Facer), 3929 Moneta av, Los Angeles, Cal.
Kelly Reamer Co., 3705 W 73rd, Cleveland, Ohio
Keystone Reamer & Tool Co., Millersburg, Pa.
Millersburg Reamer & Tool Co. Dept H, Millersburg, Pa.
Wayne Tool Mfg. Co., Waynesboro, Pa.

12214— Reapers

See also Agricultural Implements; Harvesters; Mowers

Emerson-Brantingham Co., ("E. B. Osborne") Rockford, Ill.
International Harvester Co. of America (Inc.) (Deering, McCormick, Milwaukee), Harvester bldg, Chicago, Ill.
Massey Harris Harvester Co. ("Johnston Continental"), Batavia, N. Y.
Messinger Mfg. Co. (Empire"), Tatamy, Pa.
Moline Plow Co. ("Adriance"), Moline, Ill.
Seiberling & Miller Co. ("Empire"), Doylestown, O.
Wood Walter A. Mowing & Reaping Machine Co. ("Walter A. Wood"), Hoosick Falls, N. Y.

12214a— Receivers (Acid)

Duriron Castings Co., Dayton, O.
General Ceramics Co., 50 Church, New York:
Knight Maurice A., Akron, O.
Steel Tank & Pipe Co., H Corbin Station, Berkeley, Cal.
Thermal Syndicate, Ltd., 58 Schenectady av, New York

12215— Receivers (Air)

Boyle Mfg. Co., 5100 Santa Fe, Los Angeles, Cal.
Buckeye Boiler Co., Dayton, O.
Bury Compressor Co., 1200 W 17th, Erie, Pa.
California Steel Products Co., 452H Bay, San Francisco, Cal.
Case W. A. & Sons Mfg. Co., 31 Main, Buffalo, N. Y.
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
CHICAGO PNEUMATIC TOOL CO., 6 E 44th, New York
See adv index at end of book
Coast Culvert & Flume Co., Col. blvd & Derby, Portland, Ore.
Columbian Steel Tank Co., 1625 W 12th, Kansas City, Mo.
Columbiana Boiler Co., Columbiana, O.
Continental Iron Works, West & Calyer, Brooklyn, N. Y.
Devine J. P. Co., Buffalo, N. Y.
Dundon Iron Works, 225 Folsom, San Francisco, Cal.
Graver Corp., 4020 Todd av, E Chicago, Ind.
See adv index at end of book
Hamburg Boiler Works, Hamburg, Pa. York
Hamler Boiler & Tank Co., Dept. H, W 66th & S 60th av, Chicago, Ill.
Heil Co. ("Quality"), 1270-1300 26th av, Milwaukee, Wis.
Hercules Steel Products Co., 227 Bay, San Francisco, Cal.
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
INGERSOLL-RAND CO., 11 B'way, New York. *See adv index at end of book*
IRON & STEEL CONTRACTING CO., 215 San Bruno av, San Francisco, Cal.
Kellogg M. W. Co. (Welded), 90 West, New York *See adv index at end of book*
Kewanee Boiler Co., Kewanee, Ill.
Kraft A. C., 323 W Lake, Chicago, Ill.
Leader Iron Works, Decatur, Ill.
McAleenan Bros. Co., 25th & A. V. R. R., Pittsburgh, Pa.
Munroe R. & Sons Mfg. Corp'n (Also Gas), 23rd & Smallman, Pittsburgh, Pa.
Murphy & Walsh, Pekin, Ill.
Ocean Shore Iron Wks., 550 8th, San Francisco, Cal.
Oil City Boiler Wks., Oil City, Pa.
Oliver Continuous Filter Co., 503 Market, San Francisco, Cal., & 33 W 42d, New York
Pennsylvania Boiler Wks., Export Dept., 43 Cedar, New York
Petroleum Iron Works Co. of Ohio, Sharon, Pa.
See adv index at end of book
Phoenix Iron Wks. Co., Meadville, Pa.
PRESSED STEEL TANK CO., 58th & Greenfield av, West Allis, Milwaukee, Wis.
See adv index at end of book
SCAIFE WM. B. & SONS CO., First National Bank bldg., Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
United Iron Works, Inc., Kansas City, Mo.
Vulcan Iron Works, Wilkes-Barre, Pa.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.
Wilks S. Mfg. Co., 3517 Shields av, Chicago, Ill.
Worthington Pump & Machy. Corp., 115 B'way, New York

12216—Receivers (Ammonia)

American Welding Co. (Seamless Lap Welded), Carbondale, Pa.
Austin Welding Works, 555 W Quincy, Chicago, Ill.
California Steel Products Co., 452H Bay, San Francisco, Cal.
Columbus Iron Works, Columbus, Ga.
Reading Iron Co., Baer bldg, Reading, Pa.
Whitlock Coil Pipe Co., Hartford, Conn.

12216a—Receivers (Feed Water)

Triumph Elec. Co., Dept. H., Oakley, Cincinnati, O.

12217— Receivers (Garbage)

Colonial Fireplace Co. ("Bestovall"), 4619H Roosevelt rd, Chicago, Ill.
COVERT H. W. CO. (Built in Kitchen Only), 137 E 46th, New York
Donley Bros. Co. (The) ("Donley" Underground & In Wall), 13935 Miles av, Cleveland, O.
See adv index at end of book
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Majestic Co. (Built-In Kitchen, Apartment & Underground), Huntington, Ind.
Sexton Can Co. ("Sexton Sanitary" Underground), 123 Broad, Boston, Mass.
Stephenson C. H. ("Stephenson," "Standard," & "Unit," also Street Sweeping. Ash, Refuse, etc), Lynn, Mass.

12217a— Receivers (Hair)

DU PONT E. I. de NEMOURS & CO., INC. Pyralin Div. ("Pyralin," see adv at Celluloid), Arlington, N. J.
See adv index at end of book

12217b—Receivers (Milk & Package)

DONLEY BROS. CO., THE (& Bottle), 13935 Miles av, Cleveland, O.
See adv index at end of book
Majestic Co., Huntington, Ind.

12218— Receivers (Pipe)

American District Steam Co. ("Adsco"), North Tonawanda, N. Y.

12219—Receivers (Rotary Underground Ash)

Gunster Bros. (Underground & Elevator for Heaters & Boilers), Scranton, Pa.
Sharp Rotary Ash Receiver Co., 309 Bridge, Springfield, Mass.

12220—Receivers & Amplifiers (Radio)

Acme Apparatus Co. ("Acmefone") 186 Mass. av, Cambridge, Mass.
Adams Morgan Co., Upper Montclair, N. J.
Aervox Corp., 343 Front, San Francisco, Calif.
Airway Electric Appliance Corp. ("Airway"), 618 Broadway, Toledo, Ohio
Am. Radio & Research Corp. ("Amrad Ampliform"), 203 College av, Medford Hillside, Mass.
Andrea Frank A. D., 1581 Jerome av, New York
Atwater Kent Mfg. Co., 4937 Stenton av, Phila., Pa.
Bliss R. W. Co., Atlantic, Mass.
Boissonnault G. Co., 26 Cortlandt, New York
Cardwell Allen O. Mfg. Co., Prospect, Bklyn., N. Y.
Chicago Radio Laboratories ("Zenith"), 332 S Michigan av, Chicago, Ill.
Cino Radio Mfg. Co. ("Cino"), 218 W. 12th, Cincinnati, Ohio
Clapp-Eastham Co., 139 Main, Cambridge, Mass.
Conn. Tel. & Elec. Co. ("Connecticut"), Meriden, Conn.
Coto-Coil, 87 Willard, Providence, R. I.
Crescent Radio Mfg. Co., 130 Lexington, New York
Crocker Wheeler Co., Ampere, N. J.
Crosley Mfg. Co., Cincinnati, Ohio
Cutting & Washington Radio Corp., 35 Water, New York
De Forrest Tel. & Telg. Co., 1415 Franklin, Jersey City, N. J.
Doron Bros. Elec. Co., 325 North B, Hamilton, Ohio
Duck Wm. B. (Amplifiers), 224 Superior Toledo, Ohio
Dx Radio Co. ("Dx"), Summit, Ill.
Electric Machine Co., Pratt & Meridian, Indianapolis, Ind.
Electrical Mechanical Specialty Co., Inc., 24 12th, San Francisco, Cal.
Elwood Electric Co., Bridgeport, Conn.
Federal Tel. & Tel. Co., ("Federal"), 1738 Elmwood, Buffalo, N. Y.
Firth John & Co. "Firco"), 1 Pershing sq, New York
Freed-Eisemann Radio Corp. ("Marvel") 255 Fourth, New York
Frost Herbert H., 154 W. Lake, Chicago, Ill.
Gardner Laboratories, 511 E 9th, Los Angeles, Cal.
General Insulate Co., 1008 Atlantic av, Brooklyn, N. Y.
General Radio Co., Mass. av & Windsor, Cambridge, Mass.
Gilbert A. C. & Co. ("Gilbert A. C."), New Haven, Conn.
Gled Radio ("Gled"), 1212 Arch, Phila., Pa.
Grebe A. H. & Co., Inc. ("Grebe"), 70 Van Wyck blvd, Jamaica, N. Y.
Hi-Grade Wireless Inst. Co., Ashville, N. C.
Horne Mfg. Co. ("Horne") 243 Mercer, Jersey City, N. J.
HOWARD MFG. CO. (The Howard Five-Tube Neutrodyne is unequaled for distance, selectivity and ease of operation. The greatest care has been exercised in the selection of all materials and nearly every important piece of apparatus in this receiver is manufactured in the Howard plant under the most exacting standards of workmanship. We also make the Howard Four-Tube Neutrodyne and the Howard Console Five-Tube Neutrodyne), 451-469 E Ohio st, Chicago, Ill.
See adv index at end of book
Hy-Tone Radio Corp. ("Hy-Tone Radiophone"), 865 Market, San Francisco, Calif.
Jones Electric & Radio Mfg. Co., 120 E Lexington, Baltimore, Md.
Jones Radio Co. ("Jones"), 384 Monroe, Brooklyn, N. Y.
Joy & Kelsey ("J-K"), 542 W Parkside av, Chicago, Ill.
Karlowa Radio Co., Rock Island, Ill.
Kennedy Co. Colin B. ("Kennedy Equipment"), Rialto bldg, San Francisco, Calif.
Kilbourne & Clark Mfg. Co. ("K & C"), 101 Spokane, Seattle, Wash.
King Amplitone, 32 Church, New York
Klaus Radio Co., Eureka, Ill.
Koch John R., 200 Capitol, Charleston, W. Va.
Lamsam Electric Co. ("Lamsam Baby"), 124 Fifth, New York
Laughter V. H., Memphis, Tenn.
Lee Electric & Mfg. Co. ("Lemco"), 220 8th, San Francisco, Cal.
Magnavox Co. ("Magnavox" "Telephonograph"), 2725 E. 14th, Oakland, Calif.
Magnus Electric Co., Inc., 451 Greenwich, New York
Marshall-Gerken, Toledo, O.
Michigan Radio Corp., 21 Ottawa, Grand Rapids, Mich.
Murad Laboratories Inc., Asbury Park, N. J.
Murdock Wm. J. Co., Everett av, & Carter, Chelsea, Mass.
National Airphone Corp., 20 Hudson, New York
National Radio Co., 100 Chambers, Marshall, Minn.
Nola Radio Co. (Amplifiers), 134 Chartres New Orleans, La.
Northwest Radio Service, 1638 Westlake av, Seattle, Wash.
Omnigraph Mfg. Co., 16 Hudson, New York
Penn. Wireless Mfg. Co. ("Penn-C"), New Castle, Pa.
Perfection Radio Co., 468 B'way, New York
Pinkerton Electric Equipment Co. ("Pink-A-Tone" Crystal Receivers), 1834 B'way, New York
Pollard Brothers, 4040 N Tripp av, Chicago
Precision Equipment Co. ("Ace"), B. & O. R. R. & Blue Rock N S, Cincinnati, O.
Premier Radio Corp of America, 78 Fifth av, New York
Quality Radio Shop, Richmond, Ind.
Radio Corp. of Am. ("Radiola"), 64 Broad, New York
Radio Instrument Co., Washington, D. C.
Radio Shop, The ("Echophone"), Sunnyvale, Cal.
Radio Specialty Co., 96 Park pl, New York
Radio Supply Co., 5607 Santa Fe av, Los Angeles, Calif.
Radio Testing Station, Binghampton, N. Y.
Radioland Co., Jamaica, N. Y.
Rauland Mfg. Co., 2650 Coyne, Chicago
Remler Radio Mfg. Co., 248 First, San Francisco, Calif.
Robin Radio Mfg. Co., 47 Warren, New York
Roller-Smith Co. ("Universal"), 233 B'way, New York
Samson Elec. Co., 227 Washington, Canton, Mass.
Ship Owners Radio Service (dlrs), 80 Washington, New York
Sidbenel Radio Mfg. Co. ("Sidbenel"), 1663 Jerome av, New York
Signal Electric Mfg. Co., Menominee, Mich.
Simplex Radio Co., 1013 Ridge, Phila., Pa.
Steinmetz Wireless Mfg. Co., 5706 Penn. av, Pittsburgh, Pa.
STROMBERG - CARLSON TELEPHONE MFG. CO., 1050 University av, Rochester, N. Y.
T. & H. Radio Co., Anthony, Kan.
Telephone Maintenance Co., 20 S Wells, Chicago, Ill.
Turney Laboratories E. T., 351 6th av, Newark, N. J.
Twentieth Century Radio Co., Greenville, Pa.
Union Construction Co., Balfour bldg, San Francisco, Cal.
Universal High Power Tel. Co. ("Wonderphone"), Carleton & Eddey, Seattle, Wash.
Victory Radio-Electro Co. ("Victory Grantone"), 559 Howard, San Francisco, Cal.
Waterbury Button Corp., 831 S Main, Waterbury, Conn.
See adv index at end of book
Westinghouse Elec. & Mfg. Co. ("Westinghouse," "Aeriola"), East Pittsburgh, Pa.
See adv index at end of book
Westinghouse Union Battery Co., Swissvale, Pa.
Wilcox Laboratories ("Wilcox"), 2208 E Michigan av., Lansing, Mich.
Wilson McGuire Co. Inc., 1004 Treat av, San Francisco, Cal.
Wireless Improvement Co., 66 York, Jersey City, N. J.
Wireless Specialty Apparatus Co., 76 Atherton, Boston, Mass.
Woodside Elec. Shops Co., Homer pl, Metuchen, N. J.
Wright H. Earl Co., 123-9 2nd, San Francisco, Cal.

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Connecticut Elec. Mfg. Co., Bridgeport, Conn.

GENERAL ELECTRIC CO. (Concealed, Moulding, Conduit, Box, Sign, Miniature & Candelebra), Schenectady, N. Y.
See adv index at end of book

Mesa Fernando C. Co., Dept. H., Coit & Chancellor av, Irvington, N. J.

12222—Receptacles (Conduit Box)

BRYANT ELECTRIC CO., 1421 State, Bridgeport, Conn.

Connecticut Elec. Mfg. Co., Bridgeport, Conn.

Gleason J. L. & Co., 241 Franklin, Boston, Mass.

Mesa Fernando C. Co., Dept. H, Coit & Chancellor av, Irvington, N. J.

Newgard Hy. & Co. ("Newgard"), 947 Washington blvd., Chicago, Ill.

Quadrangle Mfg. Co., 553 W. Monroe, Chicago, Ill.

12222a—*Receptacles (Edi-Swan & Candelabra)

Bryant Electric Co., 1421 State, Bridgeport, Conn.

MORSE FRANK W. ("Morse," Flush & Surface), 289 Congress, Boston, Mass.
See adv index at end of book

12223— Receptacles (Flush)

Arrow Electric Co. ("Arrow E," "Standard") (For Attachment Plugs), Hartford, Conn.

BRYANT ELECTRIC CO., 1421 State, Bridgeport, Conn.

Connecticut Elec. Mfg. Co., Bridgeport, Conn.

Fralick S. R. & Co. ("Kwikon"), 15 S Clinton, Chicago, Ill.

Hart & Hegeman Mfg. Co. ("Paiste," "Fielding," Dirs.), 342 Capital av, Hartford, Conn.

HART MFG. CO. ("Diamond H"), **230 Hamilton, Hartford, Conn.**
See adv index at end of book

Hubbell Harvey Inc., Bridgeport, Conn.

Machen Electric Mfg. Co. ("No-Lus-plug"), 4639 E Thompson, Phila., Pa.

Magnus Electric Co., Inc., 451 Greenwich, New York

Manhattan Electrical Supply Co. (also Plug & Miniature Socket), 17 Park pl, New York

Mesa Fernando C. Co., Dept. H, Coit & Chancellor av, Irvington, N. J.

12224—Receptacles for Chemical Works

Baeuerle & Morris, 932 N Front, Phila., Pa.

12225— Receptacles (Hard Fibre)

Baeuerle & Morris, 932 N Front, Phila., Pa.

DIAMOND STATE FIBRE CO. (Standard sizes and designs or made to specifications. Send for special catalog), Dept. 37, Bridgeport, Pa.
See adv index at end of book

Wilson Co., Greenville, S. C.

Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.

12225a—*Receptacles (Metal Sheet & Porcelain)

GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book

Geuder Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book

12226—Receptacles (Ordinary & Sign)

See also Plugs, Attachment; also Sockets

Appleton Electric Co., Wellington & Paulina, Chicago, Ill.

Arrow Electric Co. ("Arrow E," "Mogul," "Standard" Candelabra & Miniature), Hartford, Conn.

Benjamin Electric Mfg. Co. (Electric Sign), 120 S Sangamon, Chicago

BRYANT ELECTRIC CO. ("Spartan" & "D. D." Electric), 1421 State, Bridgeport, Conn.

Chelten Electric Co., Stenton & Rockland, Phila., Pa.

Connecticut Electric Mfg. Co., Bridgeport, Conn.

Crouse-Hinds Co. ("Norbitt" & "Condu-letto"), Syracuse, N. Y.

Federal Sign System (Outlet Box), 8700 S State, Chicago, Ill.

Freeman E. H. Electric Co. ("Russell" Sign, Porcelain for Metal Faced Signs), Trenton, N. J.

Hart & Hegeman Mfg. Co., 342 Capital av, Hartford, Conn.

Hubbell Harvey (Floor), Bridgeport, Conn.

Johns-Pratt Co. (Moulded Mica, Waterproof Sockets & Receptacles), Hartford, Conn.

Machen Electric Mfg. Co. ("Machen"), 4639 E Thompson, Phila., Pa.

Mesa Fernando C. Co., Dept. H, Coit & Chancellor av, Irvington, N. J.

National Metal Moulding Co. (For Metal Moulding), 1110 Fulton bldg, Pittsburgh, Pa.

Pass & Seymour ("P. & S." Waterproof, etc), Solvay, N. Y.

Paulding John I., New Bedford, Mass.

Peru Electric Co., Peru, Ind.

Phila. Elecl. Mfg. Co., 1236 N 31st, Phila., Pa.

Russell & Stoll Co., 17 Vandewater, New York

Stanley & Patterson ("Newcode"), 33 Murray, New York

Trumbull Electric Mfg. Co., Plainville, Conn.

Union Electric Co., Trenton, N. J.

V. V. Fittings Co., 711 Cherry, Phila., Pa.

12226a—Receptacles (Three Fuse 600 Volt)

DELTA-STAR ELECTRIC CO., 2437 Fulton, Chicago, Ill.

12226b—Rechargers for Fire Extinguishers

Castle Jas. M. Inc., 1224 Arch, Phila., Pa.

Foamite-Childs Corporation, 101 Turner, Utica, N. Y.

Fyr-Fyter Company (The), 454 Crane, Dayton, O.

Globe Automatic Sprinkler Co. (Globe"), 2035 Washington av, Phila., Pa.

Harker Mfg. Co. (Chemical), 121-123 W 3d, Cincinnati, O.

Miller-Peerless Mfg. Co., 325 N Curtis, Chicago, Ill.

NIAGARA SMELTING CORP., Niagara Falls, N. Y. *See adv index at end of book*

Pyrene Mfg. Co., 520 Belmont av, Newark, N. J.

Safety Fire Extinguisher Co., 295 7th av, New York

12226c—*Reclaiming Apparatus

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

12227—Record Holders (Wire Phonograph)

Syracuse Wire Works (Wire & Steel), 101 University av, Syracuse, N. Y.

12227a— Recorders (Co_2)

Brown Instrument Co., 4522 Wayne av, Philadelphia, Pa.

12228— Recorders (Cash)

Hough Cash Recorder Co. ("Security"), Indian Orchard, Mass.

12229— Recorders (Coasting)

Railway Improvement Co. (For Electric Railways), 111 Park av, New York

12230—Recorders (Combustion)

FOXBORO COMPANY (THE) ("Foxboro Heath"), Foxboro, Mass.
See adv index at end of book

Huyette Paul B. Co., 5 S 18th, Phila., Pa.

REPUBLIC FLOW METERS CO. (Co. 2), 2200 Diversey pkwy, Chicago

Sarco Co. Inc. ("Sarco"), 14 Park pl, New York

Uehling Instrument Co., 473 Getty av, Paterson, N. J.

Yarnall Waring Co., Chestnut Hill, Phila., Pa.

12231—Recorders (Continuous Feed & Resetting)

Brown Instrument Co., Wayne & Windrim, Phila., Pa.

Recorders (Differential)

See Gauges Differential Recording

12232—Recorders (Elevator Travel)

Dwight Mfg. Co., 565 W Washington blvd, Chicago, Ill.

Elevator Supplies Co., Hoboken, N. J.

12233—Recorders (Flue Gas Temperature)

Bailey Meter Co. ("Bailey"), 2017 E 46th, Cleveland, O. & 139 Milk, Boston, Mass.

Brown Instrument Co., 4522 Wayne av, Phila., Pa.

Dwight Mfg. Co., 565 W Washington blvd, Chicago, Ill.

12233a—Recorders (Machine)

Brown Instrument Co., Wayne & Windrim, Phila., Pa.

12234—Recorders (Pressure & Speed)

American Schaeffer & Budenberg Corp. (Also Temperature), Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book

Brown Instrument Co., 4522 Wayne av, Phila., Pa.

Combustion Utilities Corp., 8-10 Bridge, Boston, Mass.

Du Vivier Ernest H. (Imp.), 30 Church, New York

Esterline Angus Co. ("Esterline-Angus" speed), Speedway City, Indianapolis, Ind.

FOXBORO COMPANY, THE ("Foxboro," also Temperature), Foxboro, Mass.
See adv index at end of book

Tagliabue C. J. Mfg Co. (Pressure Only), 18 33d, Brooklyn, N. Y.

Uehling Instrument Co., 473 Getty av, Paterson, N. J.

12235—Recorders (Railway Speed)

Brown Instrument Co., 4522 Wayne av, Phila., Pa.

CHICAGO PNEUMATIC TOOL CO., 6 E 44th, New York
See adv index at end of book

12236— Recorders (Smoke)

Scientific Instrument & Elect. Mach. Co., Mechanicsburg, Pa.

12237—Recorders (Sunshine)

Green Henry J., 1191 Bedford av, Brooklyn, N. Y.

12237a—Recorders (Temperature)

American Schaeffer & Budenberg Corp., Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book

Bristol Co., Waterbury, Conn.
See adv index at end of book

Brown Instrument Co., 4522 Wayne av, Phila., Pa.

Ford Electric & Mfg. Co., 138 W 17th, Los Angeles, Calif.

Foxboro Co., Foxboro, Mass.
See adv index at end of book

Hoskins Mfg. Co., 453 Lawton, Detroit, Mich.

Leeds & Northrup Co., 4901H Stenton av, Phila., Pa.

Thwing Instrument Co., 33rd & Lancaster, Phila., Pa.

Uehling Instrument Co., 473 Getty av, Paterson, N. J.

12238— Recorders (Time)

See also Clocks (Time Recording System), also Clocks (Watchman's)

American Watchman's Clock Co., 150 Nassau, New York

AUTOMATIC TIME STAMP CO. ("Automatic" Time Register, "Duragraph" Elapsed Time Recorder), 164 Congress, Boston, Mass.

Bishop Calculating Recorder Co. ("Bishop" Calculating), 233 B'way, New York

BRISTOL CO. ("Bristol's" Electric & Mechanical), Waterbury, Conn.
See adv index at end of book

BROWN INSTRUMENT CO., 4522 Wayne av, Philadelphia, Pa.

Brown Traflog Co. ("Traflog" for Trucks, Wagons, etc.), 6538H Carnegie av, Cleveland, O.

BRYANT ELECTRIC CO., 1421 State, Bridgeport, Conn.

Bundy W. H., Recording Co. ("Bundy"), 135 5th av, New York

Calculagraph Co. (Elapsed Time Recorder), 30 Church, New York

Cincinnati Time Recorder Co., 1733 Central av, Cincinnati, Ohio

Cleveland Magneto Watchman's Clock Co., 150 Nassau, New York

Computing Tabulating Recording Co., 50 Broad, New York

Costmeter Co. ("Costmeter" Industrial Interlocking Identification), 1000 Washington, Boston, Mass.

DETEX WATCHCLOCK CORP., 4147 Ravenswood av, Chicago
See adv index at end of book

ECO CLOCK CO., 197 Congress, Boston, Mass.
See adv index at end of book

Efficiency Meters Co. (Dredge Click Meter), 719 J, Sacramento, Cal.

Follett Time Recording Co., 98 Park pl, New York

FOXBORO COMPANY, THE ("Foxboro"), Foxboro, Mass.
See adv index at end of book

Gisholt Machine Co. ("Periodograph"), Madison, Wis.

HOWARD E. CLOCK CO., Bromfield & Washington, Boston, Mass.

Imhauser E. Co. ("Watchman's"), 212 B'way, New York

International Time Recorder Co. ("Rochester," "Chicago" & "International Card"), 50 Broad, New York

Kastens Henry, 418 W. 27th New York

Magneta Co., 12 John, New York

Monitor Time Clock Co., Syracuse, N. Y.

NEWMAN CLOCK CO., 428 Broadway, New York
See adv index at end of book

PETTES & RANDALL CO. (Employers), 150 Nassau, New York

Recording Devices Co., Dayton, O.

Service Recorder Co. (Travel Recorders), 2344 E 105th, Cleveland, O.

Silberberg M. J. Co. (Time Study Instruments), 120 S Michigan av, Chicago

Simplex Time Recorder Co., Gardner, Mass.

Stromberg Electric Co., 223 W Erie, Chicago, Ill.

12239-40—Recorders (Time, Cost Keeping)

Costmeter Co. ("Costmeter"), 1000 Washington, Boston, Mass.

International Time Recording Co., 50 Broad, New York

Simplex Time Recorder Co., Gardner, Mass.

STROMBERG ELECTRIC CO., 223 W Erie, Chicago, Ill.

Time Register Repair & Supply Co. (Rebuilt), Canastota, N. Y.

12241—Recorders (Traffic Time)

Brown Traflog Co., 6538H Carnegie av, Cleveland, O.

12241a—Recorders (Vacuum)

See also Gauges

American Schaeffer & Budenberg Corp., Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book

Uehling Instrument Co., 473 Getty av, Paterson, N. J.

12242—Recorders (Water Flow)

Bailey Meter Co. ("Bailey" for Water and all Fluids), E 46th at Euclid, Cleveland, O.

Leupold-Voelpel & Co. ("Stevens"), 107 E 7th N, Portland, Ore.
See adv index at end of book

Yarnall Waring Co. ("Lea" V Notch Meters for Measuring Boiler Feed, Acid, Chemical Solutions, etc.), Chestnut Hill, Phila., Pa.

12243—Recorders (Water Level)

Brown Instrument Co., 4522 Wayne av, Phila., Pa.

Du Vivier Ernest H. (Imp), 30 Church, New York

FOXBORO COMPANY, THE ("Foxboro"), Foxboro, Mass.
See adv index at end of book

Gurley W. & L. E. (Automatic Self-Recording), Troy, N. Y.

Leupold Voelpel & Co. ("Stevens"), 107 E 70th N, Portland, Ore.
See adv index at end of book

"STEVENS"
Continuous Water Level Recorders and Indicators for Water Power Plants, Irrigation, City Water Supply and Sewers.
Let "Stevens" Recorders Plot Your Hydrograph
LEUPOLD, VOELPEL & CO.
107 E. 70th St., N. Portland, Ore.

Lombard Governor Co., Ashland, Mass.

SPARLING R. W. ("Sterling," "Sentinel"), 945 N Main, Los Angeles, Cal.

Tagliabue C. J. Mfg. Co., 18 33d, Brooklyn, N. Y.

12244— Recorders (Weir)

Bailey Meter Co. ("Bailey"), E 46th at Euclid, Cleveland, O.

Leupold-Voelpel & Co. ("Stevens"), 107 E 7th N, Portland, Ore.
See adv index at end of book

Simplex Valve & Meter Co., 5718 Case, Phila., Pa.

Sparling R. W. ("Sterling"), 945 N Main, Los Angeles, Cal.

12245—*Recording Devices For the Trade

PLUMB D. S., 73-77 Norfolk near Central av, Newark, N. J.
See adv index at end of book

12245a— Records (Disc)

Columbia Grafonola Shop, 4 W 37th, New York

Edison Thomas A., Orange, N. J.

Federal Record Corp., Albany, N. Y.

General Phonograph Corp ("Okeh"), 15 W 18th, New York

Harris Record Co., Inc. ("Hollywood"), 6725 Santa Monica blvd, Los Angeles, Cal.

United Music Stores ("Grey Hull" Foreign Languages), 619 Cherry, Phila., Pa.

United Phonograph Corp., Sheboygan, Wis.

Victor Talking Machine Co., Camden, N. J.

12245b—*Records (Visible System)

Ross-Gould Co., 390 N 10th st, St. Louis, Mo.
See adv index at end of book

12246—Rectifiers (Alternating Current)

Beacon Rectifier, Inc. (For Charging Storage Batteries), Hyde Park, Mass.

Carter Electric Co., Atlanta, Ga.

Edison Thomas A. (For Charging Storage Batteries), Orange, N. J.

Hobart Bros. Co., Troy, N. Y.

Valley Electric Co., 3157 S Kingshighway, St. Louis, Mo.

12247—Rectifiers (Automobile Electric Lighting)

Hobart Bros. Co., Troy, N. Y.

12247a—Rectifiers (Battery Charging)

GENERAL ELECTRIC CO. ("Tungar"), Schenectady, N. Y.
See adv index at end of book

12248—Rectifiers (For Changing Alternating to Direct Current)

Am. Battery Co. ("American" Electrolytic), 2055 N Racine av, Chicago, Ill.

France Mfg. Co., 10360 Berea rd., Cleveland

Hobart Bros. Co., Troy, N. Y.

Imperial Elec. Co., Union City, Ind.

Krott L. E. Apparatus Co., 79 Amherst, Cambridge, Mass.

Lincoln Electric Co., Cleveland, O.

Meyer Wm. Co., 1644 Girard, Chicago, Ill.

Ruprecht Electrical Co., Cleveland, O.

Stahl Rectifier Co., 1454 W Congress, Chicago, Ill.

Standard Metal Mfg. Co., 237 Chestnut, Newark, N. J.

United Elec. Apparatus Co., 1529 Columbus av, Boston, Mass.

Westinghouse Electric Mfg. Co. ("Cooper-Hewitt"), East Pittsburgh, Pa.
See adv index at end of book

12248a—*Rectifiers (High Voltage D-C)

GENERAL ELECTRIC CO. ("Kenotron"), Schenectady, N. Y.
See adv index at end of book

12249—Rectifiers (Mercury Arc)

GENERAL ELECTRIC CO., Schnectady, N. Y. *See adv index at end of book*

Westinghouse Electric Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

12250— Rectigraphs

Rectigraph Co., Rochester, N. Y.

12250a— *Redmanol

BAKELITE CORP. (See Bakelite), 247 Park av, New York
See adv index at end of book

12251— Reds (Indian)

Chrystal Chas. B. Co. Inc., 13 Cliff, New York *See adv index at end of book*

Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*

Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book

McNULTY JOSEPH A., 114 Liberty, New York
See adv index at end of book

Smith J. Lee & Co. (Imp), 19 Jacob, New York.

Westmoreland Chemical & Color Co., S E Cor. 22nd & Westmoreland, Phila., Pa.

12251a— Reds (Turkey)

Cooper & Cooper (Oils), 23H Cliff, New York

Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*

McNULTY JOSEPH A., 114 Liberty, New *See adv index at end of book*

Smith J. Lee & Co. (Imp), 19 Jacob, New York

12251b— Reds (Tuscan)

Fergusson Alex C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*

Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book

McNulty Joseph A., 114 Liberty, New York
See adv index at end of book

Smith J. Lee & Co. (Imp), 19 Jacob, New York

12252— Reds (Venetian)

Cambria Paint & Color Co. (Ltd.), Johnstown, Pa.

Chrystal Chas. B. Co. Inc., 13 Cliff, New York *See adv index at end of book*

FERGUSSON ALEX. C. JR., 474 Chestnut, Phila., Pa.
See adv index at end of book

Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book

McNulty Joseph A., 114 Liberty, New York
See adv index at end of book

Macneal James B. & Co. (American & English), Warner & Wooster, Baltimore, Md.

Mepham Geo. S. & Co., 20th & Lynch, East St. Louis, Ill.

Osborn C. J. Co. (Imp.), 132 Nassau, New York

Prince Mfg. Co., Bowmanstown, Pa.

Smith J. Lee & Co. (Imp.), 19 Jacob, New York

Westmoreland Chemical & Color Co., S E Cor. 22nd & Westmoreland, Phila, Pa.

WILLIAMS C. K. & CO. ("Anchor Brand"), Easton, Pa.
See adv index at end of book

12252a—*Reducers (Aniline)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

12253—Reducers (Closet Spud)

Trenton Brass & Machine Co., Trenton, N. J.

12254— Reducers (Hose)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.

American Safety Lamp & Mine Supply Co., 1327 Capouse av, Scranton, Pa.

Anderson W. H. Tool & Supply Co. (Hydrant), Franklin & Dubois), Detroit, Mich.

Boston Woven Hose & Rubber Co., Cambridge, Mass.

Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book

Simmons John Co., 110 Centre, New York
See adv index at end of book

Reducers (Speed)

See Speed Reducers

12255—Reducers (Stove Pipe)

LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book

Osborn J. M. & L. A. Co., Cleveland, O.

12256—Reeds (Car Seat, Chair, Etc.)

Heywood Bros. & Wakefield Co., Gardner, Mass.

National Patent Reed Co., Unionville, Conn.

12256a—Reels (Automatic)

Cincinnati Specialty Mfg. Co. ("Autex" Auto Reel), 1905 Powers, Cincinnati, O.

Hayward Co. (For Handling Electric Cables for Overhead & Locomotive Cranes), 50 Church, New York
See adv index at end of book

HAYWARD BUCKETS
DIGGING MACHINERY
THE HAYWARD COMPANY
50 CHURCH STREET NEW YORK

Pusey & Jones Co., Dept. H. Poplar & Front, Wilmington, Del.

12257— Reels (Belt)

Turner Tanning Machinery Co. ("Turner" for Belt Mfrs.), Peabody, Mass.

12258—Reels (Blasting Cable)

Grasselli Powder Co., Guardian bldg, Cleveland, O.
Hercules Powder Co., Wilmington, Del.

12259— Reels (Bolting)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Allis-Chalmers Mfg. Co. (Flour, Chemicals, etc.), Milwaukee, Wis.
See adv index at end of book
Gump B. F. Co., 413 S Clinton, Chicago, Ill.
Noye Bros. Co., 1447 Niagara, Buffalo, N. Y.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
ROBINSON H. MFG. CO., Muncy, Pa.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Wolf Co., Chambersburg, Pa.

12259a— Reels (Braid)

Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York. *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book

12260— Reels Centrifugal)

Abbe Paul O. Inc., 924 Johnston bldg, New York. *See adv index at end of book*
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Allis-Chalmers Mfg. Co. (Flour, Chemicals, Etc.), Milwaukee, Wis.
See adv index at end of book
Barnard & Leas Mfg. Co. (Bolting), 403 20th, Moline, Ill.
Bauer Bros. Co., Bauer bldg., Springfield, O.
Gump B. F. Co. ("Ideal"), 431H S Clinton, Chicago, Ill.
Robinson H. Mfg. Co., Muncy, Pa.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Wolf Co., Chambersburg, Pa.

12260a— Reels (Chalk & Masons' Line)

Beall Bros., Alton, Ill.
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
See adv index at end of book
Stanley Rule & Level Co., New Britain, Conn.
Union Hardware Co., Torrington, Conn.

12261— Reels (Clothes Line)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Bogert & Hopper Inc., 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons (Wood), 364 5th av, New York. *See adv index at end of book*
Forsyth Metal Goods Co., E. Aurora, N. Y.
Gehl Bros. Mfg. Co., West Bend, Wis.
Gem Mfg. Co. (Also Tighteners), North Girard, Pa.
Johnson Elec. Washer Co. ("Common Sense"), 40th & Adeline, Oakland, Cal
Klaue Mfg. Co., Dubuque, Ia.
Little Giant Co. ("Little Giant"), Mankato, Minn.
Loetscher-Ryan Mfg. Co. (Revolving Iron Centers), Dubuque, Ia.
Patent Novelty Co. (Kitchen), Fulton, Ill.
Queen Mfg. Co. ("Queen"), 1647 N Winchester, Chicago, Ill.
Sanitary Appliance Co., Neenah, Wis.
Sommer John Faucet Co., 30 Morris av, Newark, N. J.
Swett A. L. Iron Works, Medina, N. Y.
Waterhouse Mfg. Co. ("Waterhouse"), 2500 McPherson, Los Angeles, Cal.

12261a—Reels Dyeing Machines (Monel Metal)

Beckley Perforating Co., Garwood, N. J.
Giles Dyeing Machinery Co., North Philadelphia, Pa.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Liberty Coppersmithing Co., Philadelphia, Pa.
Rodney Hunt Machine Co., Orange, Mass.
Schaefer Co., Emil, 1322 N 5th, Philadelphia, Pa.
Sholes, Inc., 186 Lafayette, New York

12261b— Reels (Film)

Niles Steel Products Co. (Moving Picture), Niles, O.
See adv index at end of book
Sharlow Bros. Co., 442 W. 42nd, New York

Reels (Fire Hose)

See Reels & Racks, Fire Hose

12262— Reels (Fishing)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
See adv index at end of book
Enterprise Mfg. Co. ("Pflueger"), Akron, Ohio
Estes E. B. & Sons, 364 5th av, New York. *See adv index at end of book*
Greer Frederic, 525 W Van Buren, Chicago, Ill.
Horrocks-Ibbotson Co. ("Y. & E." Automatic), Utica, N. Y.
Martin Automatic Fishing Reel Co. ("Martin", Mohawk, N. Y.
Meisselbach A. F. Mfg. Co., Inc. ("Okeh," "Takapart," "Tripart," "Rainbow," "Neptune," "Triton," "Surf"), 140 Thomas, New York
Milam B. C. & Son, Frankfort, Ky.
Montague City Rod Co., Montague City, Mass.
Orvis Chas. F. Co., Manchester, Vt.
Perfection Specialty Co. ("Perfection" Reel Seat), 425 E Washington, Los Angeles, Cal.
Redifor Rod & Reel Co. ("Redifor"), Warren, O.
Sommer John Faucet Co., 30 Morris av, Newark, N. J.
South Bend Bait Co. (Anti-Back Lash), South Bend, Ind.
United Iron Wks., Kansas City, Mo.
Vom Hofe Edward & Co., 112 Fulton, New York
Vom Hofe Julius, 351 S 5th, Brooklyn, N. Y.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

12263—Reels (Garden Hose)

Am. Fork & Hoe Co. ("Reel Eezy"), Swetland bldg, Cleveland, Ohio
Cardington Cabinet Co. ("Ideal" Steel, "Buckeye" & "Cardington" Metal, "Ohio," "Sterling," "Crescent," "Perfection," "Excelsior," "Acme" Wood), Cardington, O.
Celina Specialty Co. (Wooden) Celina, O.
Chattanooga Wheelbarrow Co., 1300 E 14th, Chattanooga, Tenn.
Goodall Rubber Co., 8th & Locust, Philadelphia, Pa.
Independent Register & Mfg. Co. (Metal), 713 Frankfort, Cleveland, O.
McKinnon Dash Co. (All Steel),, 252 Amherst, Buffalo, N. Y.
Majestic Co., Huntington, Ind.
Specialty Mfg. Co. (Detachable), 2362 University av, St. Paul, Minn.
Steele-Alderfer Co., Cuyahoga Falls, O.
Steinfeld Bros. (Wood), 116 W 22d, New York
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book
Toledo Metal Wheel Co. (Metal), Toledo, Ohio
Union Mfg. & Lumber Co. (Wooden), Northville, Mich.
Whitehurst R. W. Mfg. Corp. (Wooden), Norfolk, Va.
Wirt & Knox Mfg. Co. ("Wirt's"), 23d & York, Phila., Pa.

12264— Reels (Hexagon)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Robinson H. Mfg. Co., Muncy, Pa.
Sprout Waldron & Co., Muncy, Pa.
See adv index at end of book
Wolf Co., Chambersburg, Pa.

12265—Reels (Leading Wire)

Cincinnati Specialty Mfg. Co. ("Autex" Auto Reel), 1905 Powers, Cincinnati, O.

12266— Reels (Leather)

Stehling Chas. H. Co., 401 4th, Milwaukee Wis.

12267— Reels (Paper)

Clark H. C. & Son Machine Co., Lee, Mass.
Mossberg Frank Co. ("Mossberg," All Steel for Paper Mfrs), Attleboro, Mass.

12268—Reels (Payout & Take-Up)

Columbus Handle & Tool Co., Columbus, Ind.
Dicke Tool Co. ("Wassen"), Downers Grove, Ill.
Kierulff C. R. & Co. ("Eickhoff"), 757 S Los Angeles, Los Angeles, Cal.
Meckel Fred L., 11 E 13th, Chicago, Ill.
Ransome Concrete Machinery Co., Dunellen, N. J.
Robinson H. Mfg. Co., Muncy, Pa.
Sprout Waldron & Co., Muncy, Pa.
See adv index at end of book
U. S. Bobbin & Shuttle Co., 57 Eddy, Providence, R. I.
Waldman John J., 64 Murray, New York
Wasson Reel Co., Clinton, Ill.

12269—Reels (Pressed Steel)

American Pulley Co. (With Steel Head & Barrel), 4200 Wissahickon av, Phila., Pa.
Mossberg Frank Co. (For Wire & Chain Manufacturers), Attleboro, Mass.
Zeigler Mfg. Co., Alexandria, Ind.

12269a— Reels (Rope)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons (Wood), 364 5th av, New York
See adv index at end of book
Paige Motor, Antrim. N. H.

12270— Reels (Sand)

Chrisman Foundry Co. (Iron & Wood), Morgantown, W. Va.
Masseth Packer & Machine Co. ("Jackson"), Butler, Pa.
Union Tool Co., H, Union Oil bldg, Torrance, Cal.

12271— Reels (Scalping)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Barnard & Leas Mfg. Co., Moline, Ill.
Robinson H. Mfg. Co., Muncy, Pa.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book

12272—Reels (Sheet Steel)

Stirrup Mfg. Co. (For Moving Picture Machines), 397-403 Market, Newark, N. J.

12273—Reels (Sifter Bolting)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Allis-Chalmers Mfg. Co. (Flour, Chemicals, etc.), Milwaukee, Wis.
See adv index at end of book
Barnard & Leas Mfg. Co., Moline, Ill.
Brown A. & F. Co., 79 Barclay, New York
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Sprout Waldron & Co., Muncy, Pa.
See adv index at end of book
Wolf Co., Chambersburg, Pa.

12273a— Reels (Stock)

Littell F. J. Machine Co. (for punch press work), 4127 Ravenswood av, Chicago, Ill.

12273b—Reels (Surveyors' Tape)

AMERICAN SAFETY LAMP & MINE SUPPLY CO., 1327 Capouse av, Scranton, Pa.
Weber Co., F., 1220 Buttonwood, Philadelphia, Pa.

12274—Reels (Tennis Post)

Spaulding A. G. & Bros., 105 Nassau, New York

12275— Reels (Wire)

Avoca Mfg. Co., Avoca, N. Y.
Cincinnati Specialty Mfg. Co. Inc. ("Autex" Extension), 1907 Powers, Cincinnati, O.
Dicke Tool Co., Downers Grove
Kierulff C. R. & Co. ("Eichhoff"), 757 S Los Angeles, Los Angeles, Cal.
Koegel Chas. & Sons, Holyoke, Mass.
Ladel Mfg. Co., New Phila., O.
La Fayette Engrg Co. (Cable & Const. Trucks), La Fayette, Ind.
Leahy John J., 48 Dey, New York
Meckel Fred L., 11 E 13th, Chicago, Ill.
Minneapolis Electric & Constr. Co., 80 S 12th, Minneapolis, Minn.
Moser Mfg. Co., Kane, Pa.
Mossberg F. Co., Attleboro, Mass.
Nashua Spool & Bobbin Co., Grove Hall Station, Boston, Mass.
Nilson A. H. Machine Co. (Tilting & Stationery), 55 William, Bridgeport, Conn.
Oshkosh Mfg. Co., 558 S. High, Oshkosh, Wis.
Parks M. H. & Co., Winchendon, Mass.
Standard Mechanical Equipt. Co., Dallas, Tex.
Waldman John J., 64 Murray, New York
Wasson Reel Co. ("Wasson"), Clinton, Ill.

12276—Reels (Wire Mill)

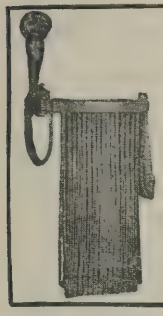
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
Morgan Construction Co., Worcester, Mass.
Mossberg Frank Co. ("Bossberg" Stamped Steel), Attleboro, Mass.
Nilson A. H. Machine Co., 55 William, Bridgeport, Conn.
Vaughn Machinery Co. (Double Deck Galvanized Equipment), Cuyahoga Falls, Ohio

12277— Reels (Wood)

Estes E. B. & Sons (Braid, Clothes Line, Rope, etc.), 364 5th av, New York
See adv index at end of book
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

12278—Reels & Racks (Fire Hose)

Allen W. D. Mfg. Co. ("Bowes" "Yale" "Dewey"), 201-211 N Jefferson, Chicago, Ill.
See adv index at end of book


W. D. ALLEN MFG. CO.
Interior
Fire Protection
Equipment
Sole Makers of
Bowes Hose Racks
(Patented)
Write for Catalog H1925
201-211 North Jefferson Street
CHICAGO

American Fire Apparatus Co., 30 E 42d, New York
American Rubber Mfg. Co. ("Lightning"), Emeryville, Cal.
Castle Jas. M., Inc., 1224 Arch, Phila., Pa.
Celina Specialty Co., Celina, O.
Clay John H. (Swinging), 1320 Ridge av, Phila., Pa.
Cliff & Guibert Co. ("A. B. C.," "Guibert"), 460 W. B'way, New York
Elkhart Brass Mfg. Co. ("Elk," Hose Racks, "Elkhart" Swinging Hose Reels, Elkhart, Ind.
Goodall Rubber Co., 8th & Locust, Phila., Pa.
HARKER MFG. CO. ("Queen"), 121-123 W 3d, Cincinnati, O.
Hayward S. F. & Co. (Fire Hose), 250 W. 54th, New York
Howard H. J. M. Mfg. Co. ("Howard," "Peerless," Swinging), 150 Pierce, N W, Washington, D. C.
Jiffy Fire Hose Rack Co. ("Jiffy" Fire Hose Racks), 133 W 52nd, New York
Manhattan Rubber Mfg. Co. (Swinging), Passaic, N. J.
Nuhring Chas. & Bro. ("2 in 1," "Cabinet" & "E-Z" Swinging & Automatic Racks), 1212 Walnut, Cincinnati, O.
Plant Rubber & Asbestos Works ("Prasco"), 537 Brannan, San Francisco, Cal.
Prospect Mfg. Co., Prospect, O.
Revere Rubber Co. ("Schenck"), Chelsea, Mass.
Rex-Harris Fire Appliance Co., 310 W 39th, New York
Safety Fire Extinguisher Co., 295 7th av, New York
Simmons John Co., 110 Centre, New York
See adv index at end of book
Southwestern Condenser Co., 606 S Hill, Los Angeles, Cal.
Steam Supply & Rubber Co. ("Yates Perfect"), 308 1st av, S, Seattle, Wash.
Teepe J. Chas., Inc., Mott & Vernon aves, Long Island City, N. Y.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.
Wirt & Knox Mfg. Co. ("Hump" "Royal" Eclipse" "Angle" Racks & "Wirts" Reels), 23rd & York, Phila., Pa.

12278a— Refinery Equipment

Baker Iron Works, 950 N B'way, Los Angeles, Cal.
Continental Supply Co., Post Dispatch bldg, St. Louis, Mo.
Graver Corp., 4020 Todd av, East Chicago, Ind.
See adv index at end of book
Honolulu Iron Works Co., 233 Broadway, New York
Koven L. O. & Bro. Inc., 154 Ogden, Jersey City, N. J.
PETROLEUM IRON WORKS CO. OF OHIO (Oil), Sharon, Pa.
See adv index at end of book
Reid Jos. Gas Engine Co., Oil City, Pa.
Treadwell Constr. Co. (Oil & Sugar), Midland, Pa.

12279--Reflectors (Enameled Iron)

Baltimore Enamel & Novelty Co., 4 E Redwood, Baltimore, Md.
Enamel Products Co. (Electric Reflectors), Eddy rd & Taft av, Cleveland, O.
Geuder, Paeschke & Frey Co. (Also Japanned), 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Harter Mfg. Co., 524 S Clinton, Chicago, Ill.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

12280—Reflectors (Enameled Steel)

Benjamin Electric Mfg. Co., 120 S Sangamon, Chicago, Ill.
Cutter Geo. C. (Porcelain), South Bend, Ind.
Dunlap John Co., Carnegie, Pa.
National Screw & Mfg. Co., The, A B Products Division (Porcelain), 2442 E 75th, Cleveland, O.
Vitreous Enameling Corporation (Steel), 6800 Grant av, Cleveland, Ohio
See adv index at end of book

12281—Reflectors for Churches, Halls, Etc.

American Reflector & Lighting Co., 517 W Jackson blvd, Chicago, Ill.
Boesch Lamp Co., 962 Mission, San Francisco, Cal.
Dayton Mfg. Co., Dayton, O.
Erikson L. Elec. Co., 6 Portland, Boston, Mass.
Frank I. P. Inc. ("Frink"), 239 10th av, New York
Frink I. P., Inc., 10th av & 24th, New York
Gillinder & Sons (Glass), State & Devereaux, Philadelphia, Pa.
Holophane Glass Co., 340 Madison av, New York
Hubbell Harvey Inc., Bridgeport, Conn.
Kraushaar Brass Mfg. Co., 919 Pine, St. Louis, Mo.
Mitchell Vance Co., 507 W 24th, New York
National X-Ray Reflector Co., 220 S State, Chicago, Ill.
Novelty Brass Works, 3775 Moneta av, Los Angeles, Cal.
Pittsburgh Reflector & Illuminating Co., Pittsburgh, Pa.
Sunlight Reflector Co., 226 Pacific, Brooklyn, N. Y.

Reflectors (Glass & Porcelain)

See Shades & Reflectors, Glass & Porcelain

12282—Reflectors (Half Incandescent Lamp)

National Metal Stamping & Mfg. Co., 494 Mulberry, Newark, N. J.

Reflectors (Metallic)

See Shades & Reflectors, Metallic

Reflectors (Mirror)

See Shades & Reflectors, Mirror

12283—Reflectors (Show Case)

Benjamin Electric Mfg. Co., 120 S Sangamon, Chicago, Ill.
Erickson L. Electric Co., 6 Portland, Boston, Mass.
Frink I. P. Inc., 239 10th av, New York
National X-Ray Reflector Co. (Glass Silver Mirror), 220 S State, Chicago, Ill.
Ill.
Reflector & Hardware Specialty Mfg. Co., 2235 S Western av, Chicago, Ill.

12284—Reflectors (Signboard)

Frink I. P. Inc., Dept. H, 12th av & 24th, New York
Reynolds Electric Co. ("Reco" & Billboard), 2650H W Congress, Chicago, Ill.

12286—Reflectors (Window)

Bright Light Reflector Co., 494 Gates av, Brooklyn, N. Y.
Erickson L. Electric Co., 6 Portland, Boston, Mass.
Frink I. P. Inc., 239 10th av, New York
Holophane Glass Co., 340 Madison av, New York
National X-Ray Reflector Co. (Glass Silver Mirrored), 220 S State, Chicago, Ill.
Pittsburgh Reflector & Illuminating Co. ("Pittsburgh"), 3d av & Ross, Pittsburgh, Pa.

12287— Reflectoscopes

Thompson Albert T. & Co., 15 Tremont pl, Boston, Mass.

12288— Refractometers

Bausch & Lomb Optical Co., 637 St. Paul, Rochester, N. Y.
Eberbach & Son Co., Ann Arbor, Mich.
Spencer Lens Co., 444 Niagara, Buffalo, N. Y.

12289—Refrigerating Apparatus (Electric)

Armstrong Machinery Co., E 3201 Riverside av, Spokane, Wash.
See adv index at end of book
AUDIFFREN REFRIGERATING MACHINE CO. ("Audiffren"), 2211 West St. bldg, New York
See adv index at end of book
Bell Ice Machine & Refrigerator Co., 1032 E Alder, Portland, Ore.
Brunswick Refrigerating Co., New Brunswick, N. J.
California Refrigeration Mfg. Co. ("Zero-Air"), 2009 San Fernando rd, Los Angeles, Cal.
Crescent Mfg. & Bldg. Co., 1318 Belmont, Portland, Ore.
Frigidaire Corp., 2435 Scotten av, Detroit, Mich.
Lipman Refrigerator Car & Mfg. Co., Beloit, Wis.
Pa. Engng. Co., 1119H N Howard, Phila., Pa.
Schwenker W. M., 342 E 92d, New York
Voigt Bros. Mfg. Co., Louisville, Ky.

12290— Refrigerators

Alaska Refrigerator Co. ("Ford" Opal Glass, etc), Muskegon, Mich.
Alexander & Cox Co., 2358 Ogden, Chicago, Ill.
Arlington Refrigerator Co. ("Arco" & "Berkshire"), Arlington, Vt.
Baldwin Refrigerator Co., Burlington, Vt.
Banta Refrigerator Co., Clearfield, Pa.
Banta & Bender Co., Ligonier, Ind.
Barth L. & Son (Dlrs.), Cooper sq, New York
Belding-Hall Co., Belding, Mich.
Bohn W. G., 273 Hawthorne av, Portland, Ore.
Bohn Refrigerator Co., 1350 University av, St. Paul, Minn.
Bouchard John & Sons Co., 1024 Harrison, Nashville, Tenn.
Brecht Co., 1201 Cass av, St. Louis, Mo.
Brunswick-Balke-Collender Co., 629 South Wabash av, Chicago, Ill.
California Refrigerating Co. (Also cold storage counters), 2615 Short, Oakland, Cal.
Carstens Bros. ("Economy" Iceless), Ackley, Ia.
Challenge Refrigerator Co. ("Challenge Porcelain," "Triumph," "Grand"), Grand Haven, Mich.
Chryster & Koppin, 819 Warren av, Detroit, Mich.
Cincinnati Butchers' Supply Co. (Chinalin-Lined), 2008 Central av, Cincinnati, O.
Cincinnati Cement Products Co. (Window), 2020 Dana av, Cincinnati, O.
City Refrigerator Co., E 37th & S Alameda, Los Angeles, Cal.
Cleveland Store Fixture Co., 1305 E 40th, Cleveland, O.
Coast Refrigerator Co., Fell & Gough, San Francisco, Cal.
Cold Storage Refrigerator Co., Eau Claire, Wis.
Commercial Fixture Co., 914 S. Alameda, Los Angeles, Cal.
Cooper & McKee, 110 Lorimer, Brooklyn, N. Y.
Copeland Products, Inc., Flint, Mich.
Dealers Refrigerator Co., 446 6th, San Francisco, Cal.
Dillingham Mfg. Co., Sheboygan, Wis.
Dry Kold Refrigerator Co., Niles, Mich.
Dry Zero Insulation Co., Balfour bldg, San Francisco, Cal.
Eddy D. & Sons Co., 336 Adams, Boston, Mass.
Ehrlich H. & Sons, St. Joseph, Mo.
Ehlers Robt. J. Co., 469 7th av, New York
Enamel Products Co., Eddy rd & Taft av, Cleveland, O.
Eureka Refrigerator Co., Owen Sound, Ont., Can.
Excelsior Stove & Mfg. Co., (Also Ice Chests), Quincy, Ill.
Frantz Refrigeration Co. (Iceless), 406-16 N Front, Reading, Pa.
Fremont Mfg. Co., Fremont, Neb.
Fresno Show Case & Fixture Co., 1805 Anna, Fresno, Cal.
Gibson Refrigerator Co., Greenville, Mich.
Giusti S. A., 1111 Sansome, San Francisco, Cal.
Grand Rapids Refrigerator Co. ("Leonard"), Grand Rapids, Mich.
Gurney Refrigerator Co. ("Athermos" All-Steel), Fond du Lac, Wis.
Hansen, Niels Mfg. Co., 2222 2nd av, Seattle, Wash.
Heinz & Munschauer ("Zero," "Buffalo," "Polar"), Buffalo, N. Y.
Herrick Refrigerator & Cold Storage Co. (Grocery, Hotel, Restaurant & Florists) Waterloo, Ia.
Hermann H. Furniture Co., 527 W 34th, **New York**
Hill C. V. & Co. (For Butchers, Grocers, Marine, Hotels, Restaurants & Florists), 360H Pennington, Trenton, N. J.
Hussman Harry L. Refrigerator Co., 911 N. B'way, St. Louis, Mo.
Icicle Refrigerator Co. ("Icicle"), 963 N Main, Los Angeles, Cal.
Illinois Refrigerator Co., Morrison, Ill.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Jewett Refrigerator Co., 27 Chandler, Buffalo, N. Y.
Knoell John & Sons, 179 Jefferson, Phila., Pa.

(Continued on following page)

Refrigerators—Continued

Koch Butcher Supply Co., 519 Wyandotte, Kansas City, Mo.
Koehler & Hinrichs, St. Paul, Minn.
Kries Henry A. & Sons Co. (Dirs.), 8 W Lombard, Baltimore, Md.
Ligonier Refrigerator Co., Legonier, Ind.
Liver C. B. & Co., Omaha, Neb.
Lorillard Refrigerator Co., S R. R. av & Mechanic, New York
McCray Refrigerator Co. ("McCray" Porcelain, Glass, Wood & Enamel Lined), 2360 Lake, Kendallville, Ind.
McKee Refrigerator Co., 119 Lorimer, Brooklyn, N. Y.
Mace L. H. & Co., 55 E 150th, New York
Maine Mfg. Co., Nashua, N. H.
Metal Stamping Co. (Metal), Jackson, Mich.
Modern Refrigerator Works, 416 E 9th, Los Angeles, Cal.
Mowat Refrigerator Co., 25 Oak Grove, San Francisco, Cal.
Murray Cabinet & Show Case Co., 1225 E, Fresno, Cal.
National Refrigerators, 827 Koeln av, St. Louis, Mo.
Newman's Merchandise Dispenser Co. (Self Help), 2901 San Pablo av, Oakland, Cal.
Niagara Refrigerator Works ("Niagara," "Erie"), 20 Superior, Buffalo, N. Y.
Northern Refrigerator Co. ("Glacier," "Furniture City"), Grand Rapids, Mich
Northey Mfg. Co., Waterloo, Ia.
Oakland Refrigerator & Butchers' Supply Co., 1616 E 12th, Oakland, Cal.
Odoriess Refrigerator Co., Chattanooga, Tenn.
Omaha Fixture & Supply Co., Omaha, Neb.
Pacific Butchers Supply Co. ("Hoffman"), 211 4th, San Francisco, Cal.
Pacific Refrigerator Co., 431 Gough, San Francisco, Cal.
Pick Albert & Co., 212 W Randolph, Chicago, Ill.
Ranney Refrigerator Co., Greenville, Mich.
Rhinelander Refrigerator Co. ("Xyno," Stone Lined), Rhinelander, Wis.
Russ Co. (Beer & Liquor), 5700 Wolworth av, Cleveland, O.
Rutland Mfg. Co., Rutland, Vt.
Schiefer & Sons, Eighth & J, San Diego, Cal.
Schmidt Co. C., John & Livingston, Cincinnati, O.
Seegar Refrigerator Co. ("Segar" Dry Air Siphon System), Arcade & Wells, St. Paul, Minn.
Seidel Furniture Mfg. Co., 516 Barracks, New Orleans, La.
Shirk Refrigerator Co., 210 N Wabash av, Chicago, Ill.
Steinfeld Bros., 116 W 32nd, New York
Stevens Benj. A. Co., Toledo, O.
Success Mfg. Co. (All Steel), Gloucester, Mass.
Vogt Peter A. Mfg. Co., 24 Evans, Buffalo, N. Y.
Walrus Mfg. Co., Decatur, Ill.
Ward Refrigerator Co., 6801 S Alameda, Los Angeles, Cal.
Western Cabinet & Fixture Mfg. Co. (Commercial), 1000 E 21st, Kansas City, Mo.
White Frost Refrigerator Co., Jackson, Mich.
Williams C. H. Co., 537 S Los Angeles, Los Angeles, Cal.
Wisconsin Refrigerator Co., Eau Claire, Wis.
X. L. Refrigerating Co., 1540 W 62nd, Chicago, Ill.

12291—Refrigerators (Dining Car, Etc.)

Bohn Refrigerator Co. ("Bohn"), 1350 University av, St. Paul, Minn.
Herrick Refrigerator & Cold Storage Co., Waterloo, Ia.
Johnson Washer Co. ("Common Sense"), 40th & Adeline, Oakland, Cal.
Seeger Refrigerator Co. ("Seeger" Dry Air Siphon System), Arcade & Wells. St. Paul, Minn.

12292—Refrigerators (Iceless)

AUDIFFREN REFRIGERATING MACHINE CO., 2211 West St. bldg, New York *See adv index at end of book*

Bohn W. G., 273 Hawthorne av, Portland, Ore.
Carstens Bros. ("Economy"), Ackley, Ia.
Central States Steel Equipment Co. ("Better-Bilt" & "Central States Window Sill"), Center & Allen, Joliet, Ill.
Coast Culvert & Flume Co., Col. blvd & Derby, Portland, Ore.
Delco Light Co. Div. General Motors Co. ("Frigidaire"), Dayton, O.
Frantz Refrigeration Co., 406-416 N Front, Reading, Pa.
Hammer-Bray Co., Dept. H, 26th av & E 12th, Oakland, Cal.
Metal Barrel Co. ("W.-M."), Galesburg. Ill.
Rochester Can Co., 89 Hague, Rochester, N. Y.

Refrigerators (Metal)

See Refrigerators, etc.

12293—Refrigerators (Nursery)

Chandlee H. P. Sons Co., 114 W Lombard, Baltimore, Md.
McAleer E. J. & Co. ("McAleer"), 1422 N 8th, Phila., Pa.

Refrigerators (Steel)

See Refrigerators, etc.

12294— Refrigerators & Cooling Rooms

Alaska Refrigerator Co., Muskegon, Mich.
Baldwin Refrigerator Co., Burlington, Va.
Bentz Engineering Corp., 90 West, New York
Bohn Refrigerator Co. ("Bohn Syphon" System for Refrigerator & Dining Cars), 1350 University av, St. Paul, Minn.
Brecht Co. (Portable), 1201 Cass av, St. Louis, Mo.
California Refrigerating Co. (Also cold storage counters), 2615 Short, Oakland, Cal.
City Refrigerator Co., E 37th & S Alameda, Los Angeles, Cal.
Coast Refrigerator Co., Fell & Gough, San Francisco, Cal.
Commercial Fixture Co., 914 S Alameda, Los Angeles, Cal.
Cooper Madison Co. (Refrigerating Architects & Engineers), Calcium, N. Y.
Cooper & McKee, 110 Lorimer, Brooklyn, N. Y.
Crescent Mfg. & Bldg. Co., 1318 Belmont, Portland, Ore.
Dealers Refrigerator Co., 446 6th, San Francisco, Cal.
Dry Zero Insulation Co., Balfour bldg, San Francisco, Cal.
Ehrlich H. & Sons Mfg. Co. (Butchers), St. Joseph, Mo.
Elkins Refrigerator & Fixt. Co., Elkins, W. Va.
Fresno Show Case & Fixture Co., 1805 Anna, Fresno, Cal.
Gay Engineering Corp., 2650 Santa Fe av, Los Angeles, Cal.
Ginsti S. A., 1111 Sansome, San Francisco, Cal.
Grand Rapids Refrigerator Co., Grand Rapids, Mich.
Gurney Refrigerator Co., Fond du Lac, Wis.
Hansen Niels Mfg. Co., 2222 2d av, Seattle, Wash.
Harris Ice Machine Co., 174 E Water, Portland, Ore.
Heinz & Munschauer, Buffalo, N. Y.
Hill C. V. & Co., 360H Pennington, Trenton, N. J.
Illinois Refrigerator Co., Morrison, Ill.
Jewett Refrigerator Co., 27 Chandler, Buffalo, N. Y.
Krotzer & Olin, 547 4th, San Diego, Cal.
Lorillard Refrigerator Co., S. R. R. av & Mechanic, New York
Lorillard Refrigerator Co., 409 Madison av, New York
McCray Refrigerator Co. ("McCray"), 2360 Lake, Kendallville, Ind.
Marshall James I. Mfg. Co., 450-52 Hoyt, Portland, Ore.
Maine Mfg. Co., Nashua, N. H.
Modern Refrigerator Works, 416 E 9th, Los Angeles, Cal.
Mowat Refrigerator Co., 25 Oak Grove av, San Francisco, Cal.
National Refrigerators Co. ("Aartite"), 827 Koeln av, St. Louis, Mo.
Northey Mfg. Co., Waterloo, Ia.
Oakland Refrigerator & Butchers Supply Co., 1616 E 12th, Oakland, Cal.
Pacific Butchers Supply Co. ("Hoffman"), 211 4th, San Francisco, Cal.
Pacific Refrigerator Co., 431 Gough, San Francisco, Cal.
Ranney Refrigerator Co., Greenville, Mich.
Ridway Refrigerator Co., 3519 N Lawrence, Phila., Pa.
St. Louis Butchers' Supply Co., 1543 N 15th, St. Louis, Mo.
Schwenger-Klein Co., 515 Woodland av, Cleveland, O.
Shaw Show Case Co., 235 5th N, Seattle, Wash.
Stevens Benj. A. Co., Toledo, O.
Union Insulating & Construction Co., 20 W Jackson blvd, Chicago, Ill.
Union Refrigerator Co., 608 S Dearborn, Chicago, Ill.
Ward Refrigerator Co., 6801 S. Alameda, Los Angeles, Cal.
Western Butchers' Supply Co., 156 4th, San Francisco, Cal.
Western Dairy Supply Co., 729 E Washington, Los Angeles, Cal.
Williams C. H. Co., 537 S Los Angeles, Los Angeles, Cal.
Wisconsin Refrigerator Co., Eau Claire, Wis.
Wolf, Sayer & Heller, Fulton & Peoria, Chicago, Ill.

12295—Refrigerators & Cooling Rooms (Glass Lined)

Alaska Refrigerator Co., Muskegon, Mich.
Baldwin Refrigerator Co., Burlington, Vt.
Bouchard John & Sons Co., 1024 Harrison, Nashville, Tenn.
Brecht Co., 1201 Cass av, St. Louis, Mo.
Cooper & McKee (Opalite), 110 Lorimer, Brooklyn, N. Y.
Heinz & Munschauer, Buffalo, N. Y.
Herrick Refrigerator & Cold Storage Co. (Family), Waterloo, Ia.
Hill C. V. & Co., 360H Pennington, Trenton, N. J.
Jewett Refrigerator Co., 27 Chandler, Buffalo, N. Y.
Lorillard Refrigerator Co., S. R. R. av & Mechanic, New York
McCray Refrigerator Co. ("McCray" Opal Glass Lined), 2360 Lake, Kendallville, Ind.
Northey Mfg. Co., Waterloo, Ia.
Oakland Refrigerator & Butchers Supply Co., 1616 E 12th, Oakland, Cal.

12296— Refrigerators & Cooling Rooms (Tile Lined)

Bouchard John & Sons Co., 1024 Harrison, Nashville, Tenn.
Brecht Co., 1201 Cass av, St. Louis, Mo.
Northey Mfg. Co., Waterloo, Ia.
White Enamel Refrigerator Co., St. Paul, Minn.

12297—Regenerators (Ammonia)

VILTER MFG. CO., 1046 Clinton, Milwaukee, Wis. *See adv index at end of book*

12298—Regenerators (Steam)

Kellogg M. W. Co. (Welded Steel), 90 West, New York
See adv index at end of book
Rateau Steam Regenerator Co. ("Rateau"), 90 West, New York
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book

12299—Registers (Autographic)

American Sales Book Co., Ltd. ("Amsaboco," "Wiz"), Elmira, N. Y.
Costmeter Co. ("Costmeter"), 1000 Washington, Boston, Mass.
Donnell A. I. Register & Printing Co. ("Fair Fold"), 268 Market, San Francisco, Cal.
Egry Register Co., Dayton, O.
Globe Register Co., 2412 Reading rd, Cincinnati, O.
Hamilton Autographic Register Co., Hamilton, O.
International Time Recording Co. of New York, Endicott, N. Y.
Krauth & Benninghofen, Hamilton, O.
McCaskey Register Co., Alliance, O.
Pacific Manifoldng Book Co. ("Wiz"), Stanford av, Emeryville, Cal.
Standard Register Co., Dayton, O.
United Autographic Register Co., Chicago, Ill.

12300— Registers (Car Fare)

See Also Boxes, Fare

Benton Mfg. Co., 9 Bethune, New York
Dayton Fare Recorder Co., Dayton, O.
International Register Co. (Single & Double), 15 Throop, Chicago, Ill.
Mechanical Accountant Co., 17 Warren, Providence, R. I.
Ohmer Fare Register Co., Dayton, Ohio
Perey Mfg. Co., Inc., 30 Church, New York
See adv index at end of book
Recording & Computing Machines Co., Dayton, O.
Rooke Automatic Register Co. ("Rooke," Automatic Hand), 17 Warren, Providence, R. I.

12301— Registers (Cash)

Brandt-Dent Co., Watertown, Watertown, Wis.
Michigan Cash Register Co., 85 Porter, Detroit, Mich.
Michigan Machine Co. ("Michigan"), 85 Porter, Detroit, Mich.
National Cash Register Co., Dayton, O.
Remington Arms Co., Inc., 25H Broadway, New York
Remington Cash Register Works, 385 Madison av, New York
St. Louis Cash Register Co., 908 N Broadway, St. Louis, Mo.
Standard Cash Register Co. (Autographic), North Manchester, Ind.
Sundstrand Adding Machine Co., Rockford, Ill.

12302— Registers (Cash & Credit Autograph)

McCaskey Register Co., Alliance, Ohio

12303— *Registers (Engine)

American Schaeffer & Budenberg Corp. (Round Case), Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book

12304— Registers (Grain)

Advance Rumely Thresher Co., La Porte, Ind.
Huber Mfg. Co., Marion, O.
Nichols & Shepard Co., Battle Creek, Mich.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Port Huron Engine & Thresher Co., Port Huron, Mich.

12305—Registers (Hand Tally)

Adde & Co., 59 Kennebec, Portland, Me.
Benton Mfg. Co., 9 Bethune, New York

12306— Registers (Hospital)

Universal Register Co., 226 W Ontario, Chicago, Ill.

12307— Registers (Hot Air)

Atlas Heating & Ventilating Co. (Jobbers), 72 Freelon, San Francisco, Cal.
Auer Register Co., 3600 Payne av, Cleveland, O.
Barber Mfg. Co., Ashtabula, O.
Best Register Co., 15th & Oklahoma av, Milwaukee, Wis.
Buckeye Blower Co., 425 W Town, Columbus, Ohio
See adv index at end of book
Chicago Hdw. Fdry. Co., 546 W Washington, N Chicago, Ill.
Columbian Hardware Co. ("Columbian" Wrought Steel), Cleveland, O.
Detroit Register Co., 530 W Jefferson av, Detroit, Mich.
Devlin Thos. Mfg. Co., Lehigh av & 3d, Phila., Pa.
Excelsior Steel Furnace Co., 118 S Clinton, Chicago, Ill.
Grey Iron Casting Co., Mt. Joy, Pa.
Hart & Cooley Co., Inc., (Wrought steel floor, sidewall and baseboard), Corbin av & W Main, New Britain, Conn.
Hess-Snyder Co. ("Snyder's"), Massillon, O
Highton Wm. & Sons Co. ("Highton," "O. K.," "New Sanitary," "Keystone"), Nashua, N. H.
Independent Register & Mfg Co., Perry Payne bldg, Cleveland, Ohio
Keith Furnace Co., Des Moines, Ia.
Landers W. H. Co., 104 E. Willow, Syracuse, N. Y.
Merchant & Evans, Washington av & 21st, Phila., Pa.
Mueller L. J. Furnace Co. (Steel & Cast Iron, Wall & Floor), Milwaukee, Wis.
Osborn J. M. & L A Co., Cleveland, O
Phila. Hdw. & Mail. Iron Works ("Colonial"), 9th & Jefferson, Phila., Pa.
Portland Stove Foundry Co., Portland, Me.
Quaker Mfg. Co., 180 N Dearborn, Chicago, Ill.
Rhodes Mfg. Co., Grand Rapids, Mich.
Rock Island Register Co. ("Burgess"), Rock Island, Ill.
Royal Heating Co., 230 Minna, San Francisco, Cal.
Standard Fdry. & Mfg. Co., 2717 E 75th, Cleveland, O.
Stearns Register Co., 617 Fort, E. Detroit, Mich.
Symonds Register Co. ("Symonds"), (Wall) 3117 Minnesota, St. Louis, Mo.
Syracuse Wire Works (Wire), 101 University av, Syracuse, N. Y.
Tuttle & Bailey Mfg. Co. (Cast Iron, also Wrought Steel), 2 W 45th, New York
Union Furnace Mfg. Co., Union Furnace, Pa
U. S. Register Co., Ltd. ("Jones" Side Wall Ventilating, "National," "U. S." Wood), Battle Creek, Mich.
Walworth Run Foundry Co. (Semi-Steel), 2488 W 27th, Cleveland, O.
Waterloo Register Co., Waterloo, Ia.
Westwick John & Son, Galena, Ill.

12308—Registers (Hot Water)

Atlas Heating & Ventilating Co. (Jobbers), 72 Freelon, San Francisco, Cal.
Excelsior Steel Furnace Co., 118 S Clinton, Chicago, Ill.

12310—Registers (Rain, Sewer & Depth)

Ulmer J. C. Co., 1791 E 38th, Cleveland, O.

12311-2—Registers (Stove Pipe)

Adams Co., Dubuque, Ia.

Registers (Water Stage)

See Recorders, Water Level

12313— Regulators (Air)

Atlas Valve Co., 282 South, Newark, N. J.
Hennebohle Frank (Automatic), 81st & S Chicago av, Chicago, Ill.
Lytton Mfg. Corp. ("Lytton"), Franklin, Va.
Mason Regulator Co. ("Mason"), 1192 Adams, Boston, Mass.
Mueller Co., Decatur, Ill.
Try-Me Mfg. Co. (Pressure), Westfield, Mass.

12313a—Regulators (Air Pressure)

BINKS SPRAY EQUIPMENT CO., 3129 Carroll av, Chicago

Regulators (Automatic Electric Heat)

See Regulators, Heat

12314—Regulators (Blower)

Cash A. W. Company, Dept. H, P. O. Box 135, Decatur, Ill.
See adv index at end of book

12315—Regulators (Blower, Electric)

CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book
Minneapolis Heat Regulator Co. ("Minneapolis"), 2802 4th av S, Minneapolis, Minn.
Westinghouse Electric & Mfg. Co., E Pittsburgh, Pa. *See adv index at end of book*

Regulators (Boiler Feed)

See Regulators, Feed Water

12316—Regulators (Carbonic Gas)

Bastian-Blessing Co. (High & Low Pressure), 240 E Ontario, Chicago, Ill.
See adv index at end of book

12317— Regulators (Cold)

Baker Ice Machine Co. (For Regulating Cold Storage Room Temperatures), Omaha, Neb.
Minneapolis Heat Regulator Co. ("Minneapolis"), 2802 4th av S, Minneapolis, Minn.
POWERS REGULATOR CO. (Temperature Control for Refrigeration & Cold Storage Rooms), 2773 Greenview av, Chicago
See adv index at end of book

12318—Regulators (Compressor Electric)

CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*

12318a—*Regulators (Constant Current)

Westinghouse Electric & Mfg. Co., E Pittsburgh, Pa. *See adv index at end of book*

12319—Regulators (Controller Electric Railway)

Lord Mfg. Co. ("Con-tre-la-tor"), 105 W burgh, Pa.
Westinghouse Electric & Mfg. Co., E Pittsburgh, Pa.
See adv index at end of book

12320—Regulators (Damper)

See also Regulators, Furnace; also Regulators, Pressure

American District Steam Co., North Tonawanda, N. Y.
Atlas Valve Co., 282 South, Newark, N. J.
Atwood & Morrill ("XX Century"), 48 Loring av, Salem, Mass.
Berry Engineering Co. ("Berry"), Chester, Pa.
Bishop-Babcock Co., ("Bishop-Babcock"), 1204 E 55th, Cleveland, Ohio
Burrows F. A. Mfg. Co. (Automatic), York, Pa.
Bushnell John S. & Co. ("Bushnell"), 146 Liberty, New York
CASH A. W. CO. ("Craig"), Dept. H, P. O. Box 135, Decatur, Ill.
See adv index at end of book

CRAIG DAMPER REGULATORS

Control draft over the fire; by reducing gas velocity and minimizing air leakage give highest CO_2 and make great coal savings; reduce setting maintenance.
A. W. Cash Co., Dept. H. Decatur, Ill.

Coppus Engineering & Equipment Co. ("Coppus"), 344 Park, Worcester, Mass.
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Deegan E. J. Mfg. Co., The, 291 E 134th, New York
D'Este Julian Co. ("Curtis"), 26 Canal, Boston, Mass.
Diamond Power Specialty Co. ("Diamond"), Oakland & Caniff, Detroit, Mich.
Ford Thos. P. Co., 407 Broome, N. Y.
Foskett & Bishop Co. ("Clark"), New Haven, Conn.
Fulton Co. ("Ideal Sylphon"), Knoxville, Tenn.
Garrett W. D. & Co. ("Locke," "Spencer" Type), 118 E 28th, New York
GODFREY KEELER CO., 70 Warren, New York
Hennebohle Frank, 81st & S Chicago av, Chicago, Ill.
Hess & Barker ("Kellum" Improved), 312 S Darien, Phila., Pa.
Highton Wm. & Sons Co., Nashua, N. H.
Hoffmann B. Mfg. Co., 257 6th, Milwaukee, Wis.
Honeywell Heating Specialty Co. ("Honeywell," Automatic), Wabash, Ind.
Huyette Paul B Co., 5 S 18th, Phila., Pa.
Keeble Alex. K., Lawrence, Mass.
Kellogg-Mackay Co. (For Steam & Hot Water), 403 W 18th, Chicago, Ill.
Kelly & Jones Co. (Low Pressure & "Clarks" High Pressure), 135 Water, Pittsburgh, Pa.
See adv index at end of book
Kieley & Mueller (Improved, "Climax"), 34 W 13th, New York
Kipp S. C. Jr. & Son, Ossining, N. Y.
Kitts Mfg. Co. (Steam Boilers), Oswego, N. Y.
Kitts Steam Specialty Co., Oswego, N. Y.
Klipfel Mfg. Co., K. & T., 2651 W Harrison, Chicago, Ill.
Lawler Regulator Co. (Hot Water), 453 North R. R. av, New York
Lawler Water Feed & Damper Regulator, 435 N Railroad av, Mt. Vernon, N. Y.
Locke Regulator Co., Salem, Mass.
McAlear Mfg. Co., 1901 S Western av, Chicago, Ill.
McDonough Automatic Regulator Co. ("McDonough" Automatic High & Low Pressure), 716 Grand River, Detroit, Mich.
McNab & Harlin Mfg. Co. (Low Pressure), Paterson, N. J.
Mason Regulator Co. ("Mason"), 1192 Adams, Boston, Mass.
Minneapolis Heat Regulator Co. ("Minneapolis"), 2802 4th av S, Minneapolis, Minn.
Nason Mfg. Co. (Low Pressure), 71 Fulton, New York
See adv index at end of book
National Regulator Co. ("Metaphram"), 2301 Knox av, Chicago, Ill.
Newbury J. H. (Low Pressure), Goshen, N. Y.
Newbury Mfg. Co. (Low Pressure), Monroe, N. Y.
Parker-Kalon Corp, ("Parker-Kalon"), 362 W 13th, New York
Parker Supply Co. (Damper Quadrant), 785 E 135th, New York
Pitts & Kitts Mfg. & Supply Co., 342 Madison av, New York
Power Turbo Blower Co., 350 Madison av, New York
POWERS REGULATOR CO., 2773 Greenview av, Chicago
See adv index at end of book
Robertson Jas. L. & Son, 78 Murray, New York
Ruggles-Klingemann Mfg. Co. ("R-K"), Salem, Mass.
Rutzler Enoch Co. ("Clarke's" Pressure), 404 E 49th, New York
Spencer Regulator Co., Salem, Mass.
Staples & Pfeiffer ("S. & P." for Oil Burners), 528 Bryant, San Francisco, Cal.
Stillman Carmichael Co. ("Stillman-Carmichael"), 56 Pearl, Boston, Mass.
Taylor Instrument Cos. ("Tycos"), Rochester, N. Y.
Turner Heating Co., 143 Eddy, Providence, R. I.
Watts Regulator Co. ("The Watts Lawrence"), Lawrence, Mass.
Wing L. J. Mfg. Co. ("Wydawake"), 352 W 13th, New York

12321—*Regulators (Dynamo Field)

CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
Westinghouse Electric & Mfg. Co., E Pittsburgh, Pa. *See adv index at end of book*

12322—Regulators (Electric Fan)

CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
Nason Mfg. Co., 71 Fulton, New York
See adv index at end of book
UNION ELECTRIC MFG. CO., 120 Reed, Milwaukee, Wis.
Westinghouse Electric & Mfg. Co., E Pittsburgh, Pa. *See adv index at end of book*

Regulators (Electric Pump)

See Governors, Electric Pump

12323—Regulators (Exhaust Pressure)

LUNKENHEIMER CO. Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Mason Regulator Co. ("Mason"), 1192 Adams, Boston, Mass.
Tagliabue C. J. Mfg. Co., 20H 33rd, B'klyn, N. Y.

12324—Regulators (Fan Engine)

Atlas Valve Co., 282 South, Newark, N. J.
Atwood & Morrill ("XX Century"), 48 Loring av, Salem, Mass.

(Continued on following page)

Regulators (Fan Engine)—Continued

CASH A. W. CO., Dept. H, P. O. Box 135 Decatur, Ill.
See adv index at end of book

CASH STANDARD FAN ENGINE REGULATORS

Control the speed of steam driven fan engines; highly sensitive; leakage eliminated; iron or bronze body; sizes ¾" to 3". Description and catalog on request.

A. W. Cash Co., Dept. H. Decatur, Ill.

Foster Engineering Co., 109 Monroe, Newark, N. J.
Garrett W. D. & Co., 118 E 28th, New York
Mason Regulator Co. ("Mason"), 1192 Adams, Boston, Mass.
Nason Fred W. Co., 105 W 40th, New York
Nason Mfg. Co., 71 Fulton, New York
See adv index at end of book
Ruggles-Klingemann Mfg. Co. ("R-K"), H Foster ct, Salem, Mass.
Standard Regulator Co. ("Victor"), 282 South Newark, N. J.
Strong Carlisle & Hammond Co. ("Strong"), 336 Frankfort av N W, Cleveland, O.
Watson & McDaniel Co. (For Steam, Water & Air), 146 N 7th, Phila., Pa.
Watts Regulator Co. ("Watts"), Lawrence, Mass.
Ziermore Regulator Co. ("Ziermore"), Johnsonburg, Pa.

12325—Regulators (Feed Water)

See also Governors, Pump

AMERICAN SAFETY LAMP & MINE SUPPLY CO. ("Economy"), 1327 Capouse av, Scranton, Pa.
Berry Engineering Co. ("Berry"), Chester, Pa.
Blundell & Son ("Blundell Automatic"), 601 E 3rd, Los Angeles, Calif.
Bordo L. J. Co. ("Bordo" Feed Water Governor), 12th & Thompson, Phila., Pa.
Burrows F. A. Mfg. Co. ("Burrows"), York, Pa.
Chaplain-Fulton Mfg. Co. ("Vigilant"), 34 Penn av, Pittsburgh, Pa.
Cleveland Feed Water Regulator Co., Tennyson rd, Cleveland, O.
Colles Heater & Specialty Co., 549 W Washington blvd, Chicago, Ill.
Defender Automatic Regulator Co., Howard bldg, St. Louis, Mo.
Edward Valve & Mfg. Co., East Chicago, Ind.
Erie Pump & Equipment Co. ("Copes" Boiler Feed), Erie, Pa.
Fogarty James H. ("Fogarty-Thoens"), 95 Liberty, New York
Ford Thos. P. Co., 407 Broome, New York
Foster Engineering Co. (Automatic), 109 Monroe, Newark, N. J.
Indiana Mach. Co., (Automatic First Break Feed Governors) Hagerston, Ind.
Kitts Mfg. Co. (Safety), Oswego, N. Y.
Lawler Water Feed & Damper Regulator Co., 435 N Railroad av, Mt. Vernon, New York
Locke Regulator Co., Salem, Mass.
McDonough Automatic Regulator Co. ("McDonough" Auxiliary & Safety), 716 Grand River, Detroit, Mich.
Northern Equipment Co. ("Copes" Boiler Feed), 111 W 11th, Erie, Pa.
POWERS REGULATOR CO. (Temperature), 2773 Greenview av, Chicago, Ill.
See adv index at end of book
S. C. Regulator Mfg. Co. ("S. C." feed water regulators continued), Fostoria, Ohio
Squires C. E. Co., 3934 Kelly av, Cleveland, O.
Steigert L. Co. (Automatic), Logan & Elder, Cincinnati, O.
Strong Carlisle & Hammond Co., 1394 W 3rd, Cleveland, O.
Tagliabue C. J. Mfg. Co., 18 33d, Brooklyn, N. Y.
Watts Regulator Co. ("Watts"), Lawrence, Mass.
Weld Geo. A. Co., 79 Milk, Boston, Mass.
Williams Gauge Co. ("Williams." Automatic Safety), 543 4th av, Pittsburgh, Pa.
Wiltbonco Mfg. Co., 24 Porter, Boston, Mass.
Witt G. E. Co., 862 Howard, San Francisco, Cal.
Wright-Austin Co. ("Murray"), 315H Woodbridge, W., Detroit, Mich.
Ziermore Regulator Co. ("Ziermore"), Johnsonburg, Pa.

12326—*Regulators (Feeder Voltage)

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Westinghouse Electric & Mfg. Co., E Pitts-Pittsburgh, Pa.
See adv index at end of book

12327—Regulators (Flush Tank)

Modern Iron Works ("IXL" "M. I. W.") Quincy, Ill.

12328—Regulators (Fuel, Oil or Gas)

Atlas Valve Co., 282 South, Newark, N. J.
Chaplain-Fulton Mfg. Co. (Boiler Fuel), 34 Penn av, Pittsburgh, Pa.
Luther Mfg. Co., Olean, N. Y.
Mason Regulator Co. ("Mason"), 1192 Adams, Boston, Mass.
Minneapolis Heat Regulator Co. ("Minneapolis"), 2802 4th av S, Minneapolis, Minn.
POWERS REGULATOR CO. (Temperature), 2773 Greenview av, Chicago, Ill.
See adv index at end of book
STAPLES & PFEIFFER ("S. & P."), 528 Bryant, San Francisco, Cal.
Wilgus Mfg. Co., 1722 E 16th, Los Angeles, Cal.
Ziermore Regulator Co. ("Ziermore"), Johnsonburg, Pa.

12329—*Regulators (Fuel, Pulverized Coal)

Kennedy-Van Saun Mfg. & Eng. Corp., 50 Church, New York
See adv index at end of book

12330—Regulators (Furnace)

Atlas Valve Co., 282 South, Newark, N. J.
BRISTOL CO. ("Bristol" Gas, Oil & Electric), Waterbury, Conn.
See adv index at end of book
Farquhar Furnace Co. ("Farquhar"), Wilmington, O.
Hart & Cooley Co., Inc., Corbin av & W Main, New Britain, Conn.
Kees F. D. Mfg. Co. ("Kees," "Fuelsaver"), Beatrice, Neb.
Lawler Regulator Co., 453 North R. R. av, New York
Minneapolis Heat Regulator Co. ("Minneapolis"), 2802 4th av S, Minneapolis, Minn.
POWERS REGULATOR CO., 2773 Greenview av, Chicago, Ill.
See adv index at end of book
Puffer W. E. & Sons, 234 Water, New York
Quaker Mfg. Co. (Furnace Time Regulators, 140 N. Dearborn, Chicago, Ill.
Ridgeway Furnace Co., 80 Beverly, Boston, Mass.
Riverside Mfg. Co., 162 Riverside av, Newark, N. J.
Rowe L. L., 74 Portland, Boston, Mass.
Witt G. E. Co., 862 Howard, San Francisco, Cal.
Woodward Frank E. & Co. ("Fowler," Automatic Draft Regulator for Furnaces, Heaters, etc), 19 Friend, Boston, Mass.

12330a— *Regulators (Gas)

Cash A. W. Company (Also Compressed Gas), Dept. H, P. O. Box 135, Decatur, Ill. *See adv index at end of book*

12331—Regulators (Gas Burner)

Brand Chas. F., 16th & Jacob, Wheeling, W. Va.
Ofeldt Gas Fired Boiler Co., Inc. ("Automatic"), Nyack, N. Y.
Peck & Young Mfg. Co., Station Bristol, Forestville, Conn.
POWERS REGULATOR CO., 2773 Greenview av, Chicago
See adv index at end of book
Tagliabue C. J. Mfg. Co., 20H 33rd, B'klyn, N. Y.

12332—Regulators (Gas Pressure)

Bacharach Herman, Pittsburgh, Pa.
Bastian-Blessing Co., 240 E Ontario, Chicago, Ill.
See adv index at end of book
Baylis Co. ("Colonial"), Bloomfield, N. J.
Bishop & Babcock Co. (Carbonic Acid) 1204 E 55th, Cleveland, O.
Brand Chas. F., 16th & Jacob, Wheeling, W. Va.
Bryant Heater & Mfg. Co. ("Bryant"), 952 E 72nd, Cleveland, O.
Caldwell L. L. Co., 2405 S Main, Los Angeles, Cal.
Chaplin-Fulton Mfg. Co. ("Fulton"), 34 Penn av, Pittsburgh, Pa.
Chowning Regulator Corp., Corning, N. Y.
Combustion Utilities Corp., 8-10 Bridge, New York
Continental Supply Co., Post Dispatch bldg, St. Louis, Mo.
Equitable Meter Co. ("Crawford" Sensitive), 424 1st av, Pittsburgh, Pa.
Foster Engineering Co., 109 Monroe, Newark, N. J.
Gas Consumers' Assn. ("Standard Automatic"), 467 O'Farrell, San Francisco, Cal.
Gilfillian F. C., Ebenezer, N. Y.
Hennebohle Frank, 81st & S. Chicago av. Chicago, Ill.
Hugo Mfg. Co., Duluth, Minn.
Hy-Lo Unit Heating Co., 961 S Fair Oaks av, Pasadena, Cal.
Illinois Engineering Co. ("Eclipse"), W. 21st & S Racine avs, Chicago, Ill.
Imperial Brass Mfg. Co., 1200 W Harrison, Chicago, Ill.
Jacobson Machine Mfg. Co., Warren, Pa.
Komp Machinery Co., Hattisburg, Miss.
Luther Mfg. Co., Olean, N. Y.
Lytton Mfg. Corp. ("Lytton"), Franklin, Va.
Mason Regulator Co. ("Mason"), 1192 Adams, Boston, Mass.
Milburn Alexander Co., 1428 W Baltimore, Md.
Mueller H. Mfg. Co., Decatur, Ill.
See adv index at end of book
National Gas Governor Co., 475 7th av, New York
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Perfect Gas Controller & Fixture Co., 10103 Perfect av, Chicago, Ill.
POWERS REGULATOR CO., 2773 Greenview av, Chicago, Ill.
See adv index at end of book
Reliance Mfg. Co., 1020 S Broadway, Pasadena, Cal.
Reynolds Gas Regulator Co. (Low Pressure for Natural Gas), Anderson, Ind.
Sprague Meter Co., Bridgeport, Conn.
SURFACE COMBUSTION CO., THE, 334 Gerard av, Bronx, New York
See adv index at end of book
Tagliabue C. J. Mfg. Co., 20H 33rd, B'klyn N. Y.
Try Me Mfg. Co. ("Try Me"), Westfield, Mass.
Union Water Meter Co., Worcester, Mass.
Victor Oxy-Acetylene Equipment Co., 844 Folsom, San Francisco, Cal.
See adv index at end of book
Witt G. E. Co., 862 Howard, San Francisco, Cal.
Wright Geo. W. Lapel, Ind.
Ziermore Regulator Co. ("Ziermore"), Johnsonburg, Pa.

12333—*Regulators (Generator Voltage)

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*

12334— Regulators (Heat)

See also Thermostats

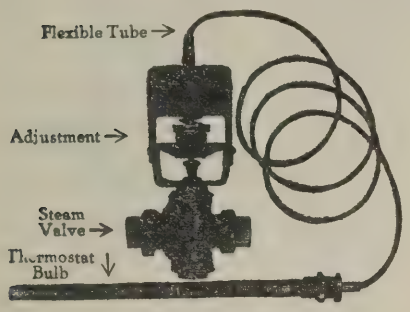
American Stove Co. ("Lorain" for Gas Ovens), 827 Chouteau av, St. Louis, Mo.
American Thermostat Co. ("Marvel"), 226 Jeliff av, Newark, N. J.
Atwood & Morrill ("XX Century"), 48 Loring av, Salem, Mass.
BRISTOL CO. ("Bristol," Automatic High Temperature), Waterbury, Conn.
See adv index at end of book
Claus Automatic Gas Cock Co. (gas only), Becker & Booth, Milwaukee, Wis.
Combustion Utilities Corp., 8-10 Bridge, New York
D'Este Julian Co. ("Curtis for Steam"), 26 Canal, Boston, Mass.
Engineer Co. ("Enco"), 17 Battery pl, New York
Ford Electric & Mfg. Co., 138 W 17th, Los Angeles, Calif.
Fulton Co. ("Sylphon"), Knoxville, Tenn.
Homan J. & E., 435 W B'way, New York
Jewell Mfg. Co., Auburn, N. Y.
JOHNSON SERVICE CO. ("Johnson" System of Temperature Regulation), 157 Michigan, Milwaukee, Wis.
See adv index at end of book
Klipfel Mfg. Co. ("Swan"), 2651 W Harrison, Chicago, Ill.
Lawler Regulator Co., 453 N R. R. av, New York
Leeds & Northrup Co., 4901 Stenton av, Phila., Pa.
Locke Regulator Co. ("Locke's" Office Heating), Salem, Mass.
Mack Automatic Heat Regulator Co. (Automatic), 313 Bates, Detroit, Mich.
Mason Regulator Co. ("Mason"), 1192 Adams, Boston, Mass.
Minneapolis Heat Regulator Co. ("Minneapolis"), 2802 4th av S, Minneapolis, Minn.
National Regulator Co. (For Control of Dampers & Valves in a Heating Apparatus), 2301 Knox av, Chicago, Ill.
POWERS REGULATOR CO., 2773 Greenview av, Chicago, Ill.
See adv index at end of book
Ruggles-Klingemann Mfg. Co., 10 High, Salem Mass.
SARCO CO., INC. ("Sarco"), 14 Park pl, New York
Scientific Instrument Co. (Automatic), Marquette bldg, Detroit, Mich.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Tagliabue C. J. Mfg. Co., 20H 33rd, Brooklyn, N. Y.
Taylor Instrument Cos. ("Tycos"), Rochester, N. Y.
Tepco Mfg. Co., 244 Hawthorne av, Portland, Ore.
Thermograde Valve Co., 247 Atlantic av, Boston, Mass.
Watts Regulator Co. ("Watts") Lawrence, Mass.
Weld Geo. A. Co., 79 Milk, Boston, Mass
Wilson H. A. Co. ("Wilco"), 99 Chestnut, Newark, N. J.
Woodward Frank E. & Co. ("Fowler" Automatic Draft Regulator), 19 Friend, Boston, Mass.

THE POWERS REGULATOR CO.

34 Years of Specialization in the Manufacture of Temperature, Pressure and Humidity Controllers

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No. 11 Regulator

Controls temperature of liquids in Tanks, Vats, Condensers, Kettles, etc. Self-operating—needs no compressed air or electricity. Easy to install. Can be had for any temperature between 90° and 275° F. Range of adjustment 40° F. Gives years of accurate, dependable control. Valve is of the double-seated balanced type which insures greater accuracy and durability. Bulletin No. 129 gives full information and prices.

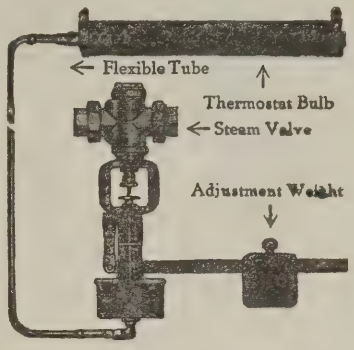
This Engineering Service Free

34 years of specialization in Automatic Temperature Control has given us a wealth of knowledge and experience which is at your command without cost or obligation. Consultation with our engineers may result in suggestions which will save you a great deal of trouble and expense.

Products

Shown here are only 7 of the more than 50 types of regulators which we have perfected to control the temperature and pressure of Liquids, Gases, and Air. We do not attempt to make a few devices fit a wide variety of conditions. Let us study your requirements and suggest the particular type of regulator which will give the *best results* at the *lowest cost.*

Absolute reliability of apparatus is of paramount importance in automatic temperature control. The adoption of Powers equipment by the leaders of American industry (list upon request) is strong indication of the prestige that our apparatus has acquired.



No. 15 Regulator

Controls temperature of air in Drying Processes, Kilns, Smoke Houses, etc. Entirely self-operating. Is easy to install. Can be had for any temperature between 60° and 275° F.; range of adjustment 60° F. Gives years of accurate, dependable control. Valve is of the double-seated balanced type, which insures greater accuracy and durability. Bulletin No. 138 gives full information and prices.



Dial Thermometer

Designed particularly for use where poor light and inaccessibility make the ordinary thermometer hard to read. Ruggedly built; accurate and dependable. Reasonably priced. Can be had with horizontal or vertical rigid stem or flexible extension stem up to 100 ft. in length. Dials are white, 4-in. diameter, with large, readable figures in black. The cases are brass, nickel plated. Can be had for various ranges of temperature. Write for booklet on Industrial Thermometers.

Temperature and Humidity Control for Factories, Offices, etc.

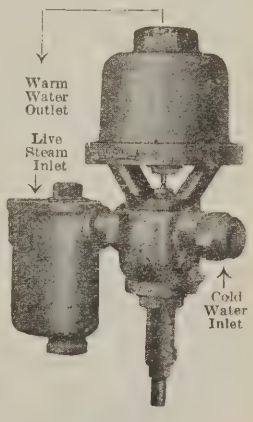

Powers K Thermostat

The chief savings of room temperature control are increased production and improved health of workers, reduction in the number of accidents, and a fuel saving of 20 to 48 per cent. These claims are substantiated by many tests conducted by impartial and recognized authorities. (We shall be glad to submit proof of claims made.)

For more than 30 years, Powers Systems of Temperature Control have eliminated overheating in all kinds of buildings, and with our large organization, we are able to render our clients the best of service.

Full description of our apparatus, list of prominent users, and installations which have been giving accurate, dependable control for 20 to 25 years, will be found in our book, "The Elimination of Heat Waste."

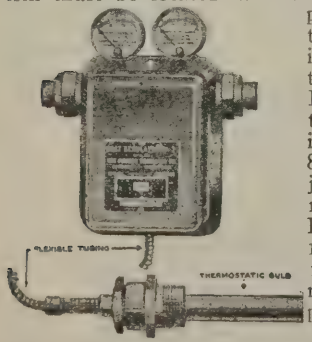
Instantaneous Water Heater



A steam and water mixer. It heats water with high pressure steam. Simple in construction and easily installed. A big money saver when used to heat water for Factory Washrooms, and on all industrial processes where an instantaneous, economical supply of warm water is desired. Absolutely safe against overheated water. Bulletin No. 137 shows application, prices, and full information.

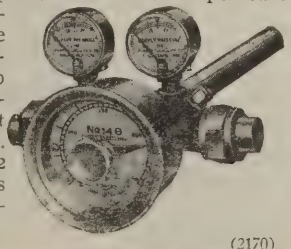
No. 21 Regulator

Designed for exceedingly accurate control of air, gas, or liquid temperatures of heating and cooling mediums. Compressed air operated. Sensitive to a fraction of a degree. For use where adjusting mechanism must be located at a distance from point where temperature is to be controlled. Range of temperature is Zero to 800° F.; adjustment range 100°. Bulletin No. 147 gives full information and prices.



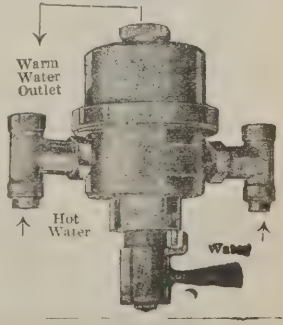
No. 14-B Regulator

Gives exceedingly accurate control of air, gas, or liquid temperatures. Compressed air operated. Designed for conditions where the adjusting mechanism is located at the point where the temperature is to be controlled. Range of temperature is Zero to 800° F.; adjustment range 200°. Bulletin 132 gives prices and particulars.



Thermostatic Water Controller

Mixes hot and cold water. Accurately delivers warm water at any desired temperature. Maximum temperature 135° F. Comes with variable or locked adjustment. Capacities up to 100 gallons per minute. Bulletin No. 124 shows applications, prices, and full particulars.



(2170)

12334a—*Regulators (High Air Pressure)

Cash A. W. Company, Dept. H, P. O. Box 135, Decatur, Ill.
See adv index at end of book

12335—Regulators (Hot Water)

Atlas Valve Co., 282 South, Newark, N. J.
Bishop & Babcock Co., 1204 E 35th, Cleveland, Ohio
D. & T. Mfg. Co., 3001 La Salle, St. Louis, Mo.
Fulton Co. ("Sylphon"), Knoxville, Tenn.
Heim H. E. ("Heim" Hot Water Equalizer), 312 Pine, Portland, Ore.
Honeywell Heating Specialty Co., Wabash, Ind.
JOHNSON SERVICE CO. ("Johnson"), 157 Michigan, Milwaukee, Wis.
See adv index at end of book
Kittoe Boiler & Tank Co. (Inc.), Canton, Ohio
Lawler Regulator Co., 453 N R. R. av, New York
Minneapolis Heat Regulator Co. ("Minneapolis"), 2802 4th av S, Minneapolis, Minn.
National Regulator Co. ("National" Hydraulic), 2301 Knox av, Chicago, Ill.
POWERS REGULATOR CO. (Temperature), 2773 Greenview av, Chicago, Ill.
See adv index at end of book
Robertshaw Mfg. Co. (Tank), Youngwood, Pa.
Sarco Co., Inc. ("Sarco"), 14 Park pl, New York
Standard Regulator Co. ("Victor"), 282 South, Newark, N. J.
Tagliabue C. J. Mfg. Co., 20H 33rd, Brooklyn, N. Y.
Watts Regulator Co. ("Watts") Lawrence, Mass.
Weld Geo. A. Co. ("Weld," for Hot Water Tanks & Feed Water Heaters, etc). 79 Milk, Boston, Mass.
Winner Co., 30 Church, New York
Witt G. E. Co., 862 Howard, San Francisco, Cal.

12335a—Regulators (Humidity)

Carrier Engineering Corp, 750 Frelinghuysen av, Newark, N. J.
Fleisher W. L. & Co., Inc., 31 Union sq., W, New York
Foxboro Co., Foxboro, Mass.
See adv index at end of book
Grinnell Co., Inc. ("Grinnell"), 275 W. Exchange, Providence, R. I.
JOHNSON SERVICE CO., 157 Michigan, Milwaukee, Wis.
See adv index at end of book
Parks G. M. Co., Fitchburg, Mass.
POWERS REGULATOR CO., 2773 Greenview av, Chicago
See adv index at end of book
Standard Dry Kiln Co., Harding & Belt, Indianapolis, Ind.
Tagliabue C. J. Mfg. Co., 20H 33rd, Brooklyn, N. Y.

12336—Regulators (Hydraulic)

Atlas Valve Co., 282 South, Newark, N. J.
Cash A. W. Company, Dept. H, P. O. Box 135, Decatur, Ill.
See adv index at end of book
D'Este Julian Co., 26 Canal, Boston, Mass
Heller-Aller Co., Napoleon, O.
Hennebohle Frank, 31st & S Chicago av, Chicago, Ill.
JOHNSON SERVICE CO. ("Johnson" Thermostat), 157 Michigan, Milwaukee, Wis. *See adv index at end of book*
Locke Regulator Co., Salem, Mass.
Mason Regulator Co. ("Mason"), 1192 Adams, Boston, Mass.
Tagliabue C. J. Mfg. Co., 20H 33rd, Brooklyn, N. Y.
Waters Governor Co., 141 Milk, Boston, Mass.
Witt G. E. Co., 862 Howard, San Francisco, Cal.

12336a—*Regulators (Load)

GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book

12337—Regulators (Motor Speed)

CUTLER-HAMMER MFG. CO, 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book
Monitor Controller Co., 514 E. Lombard, Baltimore, Md.
UNION ELECTRIC MFG. CO., 120 Reed, Milwaukee, Wis.
WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa.
See adv index at end of book
Wirt Co. (Toy), 5221 Greene Grtn., Phila., Pa.

12338-9—Regulators (Oil)

Fess Rotary Oil Burner, Inc. (Automatic, for Oil Burners), 100 Boylston, Boston, Mass.
Lewis Auto Positive Oil Burner Control, 1107 Dock, Tacoma, Wash.
Minneapolis Heat Regulator Co. ("Minneapolis"), 2802 4th av S, Minneapolis, Minn.
See adv index at end of book
Mueller H. Mfg. Co., Decatur, Ill.
See adv index at end of book
Phila. Roll. & Machine Co. (Steel & Iron), 52d & Grays av, Phila., Pa.
POWERS REGULATOR CO. (Temperature), 2773 Greenview av, Chicago
See adv index at end of book
Pulaski Foundry & Mfg. Corp., 2424 Euclid av, Cleveland, O.
See adv index at end of book
Staples & Pfeiffer ("S. & P."), 528 Bryant, San Francisco, Cal.
Witt G. E. Co., 862 Howard, San Francisco, Cal.

12340—Regulators (Oxy-Acetylene)

Bastian-Blessing Co., 240 E Ontario, Chicago, Ill.
See adv index at end of book
Burdett Mfg. Co., 309 St. John's Court, Chicago, Ill.
Cash A. W. Company, Dept. H, P. O. Box 135, Decatur, Ill.
See adv index at end of book
Modern Engng. Co., 23rd & Walnut, St. Louis, Mo.
National Welding Equipment Co., 223 Main, San Francisco, Cal.
See adv index at end of book
OXWELD ACETYLENE CO., 30 E 42nd, New York
Tolman Mfg. Co. ("Tolman" Safety Automatic), 19 W 3rd, Boston, Mass.
VICTOR OXY-ACETYLENE EQUIPMENT CO., 844 Folsom, San Francisco, Cal.
See adv index at end of book

12341— Regulators (Power, for Looms)

Thompson, Richard & Co. ("Thompson" Combination Damper & Pressure Regulator), 146H Liberty, New York.
Tillotson Humidifier Co. ("Gilson"), 78 Fountain, Providence, R. I.

12342—Regulators (Pressure)

Alliance Controller Co., Alliance, Ohio
Allis Chalmers Mfg. Co. (For Hydraulic Turbines), Milwaukee, Wis.
See adv index at end of book
American District Steam Co. (Steam), North Tonawanda, N. Y.
Atlas Valve Co., 282 South, Newark, N. J.
Bastian-Blessing Co., 240 E Ontario, Chicago, Ill.
See adv index at end of book
Belfield H. Co. (High & Low Pressure), 435 N. Broad, Phila., Pa.
Boylston Steam Specialty Co. ("Boylston"), 116 W Illinois, Chicago, Ill.
Buckeye Iron & Brass Works, Dayton, O.
Burrows F. A. Mfg. Co., York, Pa.
Burton & Johnson Co., 2301 Center av, Carbic Mfg. Co. (High Pressure Oxygen), Cleveland, O.
Duluth, Minn.
CASH A. W. CO., Dept. H, P. O. Box 135, Decatur, Ill.
See adv index at end of book
Chaplin-Fulton Mfg. Co., 34 Penn av, Pittsburgh, Pa.
Chicago Automatic Switch Co. (also vacuum), 900 W Lake, Chicago, Ill.
Combustion Utilities Corp., 8-10 Bridge, New York
CRANE CO. (For Steam, Air & Water), 836 S Michigan av, Chicago, Ill.
See adv index at end of book
CUTLER-HAMMER MFG. CO. (Electrically Operated Pressure Regulators for Use in Connection with Motor Driven Pumps & Air Compressors), 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
DAVIS G. M. REGULATOR CO., 434 Milwaukee av, Chicago, Ill.
D'Este Julian Co. ("Curtis" Steam), 26 Canal, Boston, Mass.
Dow Pump & Diesel Engine Co., 311 California, San Francisco, Cal.
Federal Brass Works, 3100 S. Kedzie, Chicago, Ill.
Foster Engineering Co. (For Air, Ammonia, Steam, Gas, Oil, etc), 109 Monroe, Newark, N. J.
Foxboro Co., Foxboro, Mass.
See adv index at end of book
Fulton Iron Works Co., 1259 Delaware av, St. Louis, Mo.
Garrett W. D. & Co. (Steam & Water), 118 E. 28th, New York
Gilchrist Geo. E. Co. ("The Boston"), 234 Congress, Boston, Mass.
Hall Mfg. Co. ("Atlas"), Harrison, N. J.
Hennebohle Frank (For Steam, Gas & Air, Hydraulic), 31st & S Chicago av, Chicago, Ill.
Hoffman B. Mfg. Co., 257 6th, Milwaukee, Wis.
Ideal Automatic Governor Co., 164 Emmet, Newark, N. J.
Illinois Engineering Co., W 21st & S Racine aves, Chicago, Ill.
Janette Mfg. Co., 566 W Monroe, Chicago, Ill.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Kieley & Mueller (Steam), 34 W 13th, New York.
Kipp S. C. Jr. & Son, Ossining, N. Y.
Kitts Mfg. Co. (Steam Pressure), Oswego, N. Y.
Klipfel Mfg. Co. ("K. & T."), 2651 W Harrison, Chicago, Ill.
Lawler Regulator Co., 55 W Houston, New York
Leslie Co. ("Leslie"), Lyndhurst, N. J.
Locke Regulator Co. ("New Era," Steam), Salem, Mass.
Lummus Walter E Co. (For Control of Pressure in Distilling Apparatus), 171 Milk, Boston, Mass.
Luther Mfg. Co. (Gas Only), Olean, N. Y.
Lytton Mfg. Corp. ("Lytton," for High & Low Pressure), Franklin, Va.
Marsh Valve Co., Dunkirk, N. Y.
Mason Regulator Co. ("Mason"), 1192 Adams, Boston, Mass.
MINNEAPOLIS HEAT REGULATOR CO. ("Minneapolis"), 2802 4th av S, Minneapolis, Minn.
See adv index at end of book
Mueller H. Mfg. Co. (Water, Steam, Gas, Air, etc.), Decatur, Ill.
See adv index at end of book
Nageldinger J. & Son, 407 E. 91st, New York
Nason Fred W. Co., 105 W 40th, New York
Nason Mfg. Co. ("Nason"), 71 Fulton, New York *See adv index at end of book*
POWERS REGULATOR CO., 2773 Greenview av, Chicago, Ill.
See adv index at end of book
PREST-O-LITE CO., INC., THE (Automatic Acetylene), 30 E 42nd, New York
See adv index at end of book
Ross Valve Mfg. Co. ("Trojan" Air, Steam & Water), 9 Oakwood av, Troy, N. Y.
Ruggles-Klingemann Mfg. Co. ("R-K"), H Foster ct, Salem, Mass.
Scientific Instrument Co. (Automatic), Marquette bldg, Detroit, Mich.
Spencer Regulator Co. ("Spencer"), Salem, Mass.
Standard Regulator Co. ("Victor"), 282 South, Newark, N. J.
Strong Carlisle & Hammond Co. ("Strong"), 1394 W 3rd, Cleveland, O.
Sundh Electric Co. ("Sundh," for Control of Pressure in Tanks, Reservoirs, etc. by Motor Driven Apparatus), 5 Av C, Newark, N. J.
Tagliabue Chas. J. Mfg. Co. (Automatic), 13 23d, Brooklyn, N. Y.
Taylor Instrument Companies ("Tycos"), Rochester, N. Y.
Try-Me Mfg. Co. ("Try-Me" Water, Air & Gas), Westfield, Mass.
Union Water Meter Co., Worcester, Mass.
UNION ELECTRIC MFG. CO., 120 Reed, Milwaukee, Wis.
Victor Oxy-Acetylene Equipment Co., 844 Folsom, San Francisco, Cal.
See adv index at end of book
Waters Governor Co., 141 Milk, Boston, Mass.
Watson & McDaniel Co. ("Watson" for Steam, Water & Gas), 146 N 7th, Philadelphia, Pa.
Watts Regulator Co. ("Watts"), Lawrence, Mass.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.
Witt G. E. Co., 862 Howard, San Francisco, Cal.
Ziermore Regulator Co. ("Ziermore" Pressure Controlling), Johnsonburg, Pa.

12343—Regulators (Pressure, for Cane Mills)

Regulators (Pump)

See Governors, Pump

12344—Regulators (Rheostat)

CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
UNION ELECTRIC MFG. CO., 120 Reed, Milwaukee, Wis.
Ward Leonard Electric Co., Mt. Vernon, N. Y.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

12345-6—Regulators (Slasher)

Atwood & Morrill ("XX Century"), 48 Loring av, Salem, Mass.
Locke Regulator Co., Salem, Mass.
Mason Regulator Co. ("Mason"), 1192 Adams, Boston, Mass.
POWERS REGULATOR CO. (Temperature & Pressure), 2773 Greenview av, Chicago, Ill.
See adv index at end of book

Regulators (Speed)

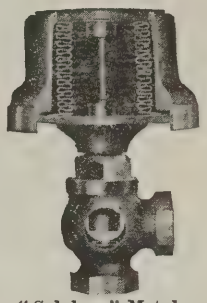
See Controllers, Various Kinds; also Indicators, Various Kinds



Pneumatic Insertion Thermostat

JOHNSON SERVICE COMPANY

Temperature Regulation and Humidity Control



"Sylphon" Metal Diaphragm Valve

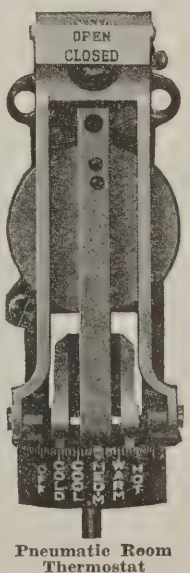
Factory and Main Office

MILWAUKEE, WISCONSIN

Branches in all large cities in the United States and Canada

PRODUCTS AND SERVICES

Manufacturers of Thermostats and Other Apparatus for the Control of Temperature and Humidity, including:
Pneumatic Room and Insertion Thermostats and Humidostats.
Electric Room and Insertion Thermostats and Humidostats.
"Sylphon" Metal Diaphragm and Rubber Diaphragm Valves.
Low Pressure, Limited Capacity, Electric Air Compressors.
Low Pressure, Limited Capacity, Hydraulic Air Compressors.
Air and Water Reducing Valves.
Pneumatic Switches or Push Buttons.
Engineers and Contractors for the Control of Temperature or Humidity for any purpose and over every range used in manufacturing purposes or buildings, furnishing and installing:
Temperature Controlling Apparatus for any and all kinds of heating and ventilating systems.
Temperature Controlling Apparatus for any industrial process requiring the medium of heat.
Control of Humidity in Industrial processes requiring artificial humidity.
Temperature Control of hot water tanks and all liquids.
Control of Temperatures of refrigerating and cold storage plants.
Thermostatic Control of electric motors on automatic refrigerating.



Pneumatic Room Thermostat



Electric Inserted Thermostat

Specific Applications of Temperature Control

Bake ovens for enamels, japans, etc.
Core drying ovens.
Drying room for paint, varnish, patent leather, etc.
Storage room for tobacco, rubber or similar goods.
Cold storage rooms, fur vaults, etc.
Canning machinery, cookers, exhausters, processors.
Corn and oats drying apparatus.
Fruit drying apparatus.

The Johnson Electric Thermostats and Electric Relays for the control of motors operating refrigerating machinery, large and small, and for operating electric heaters, have proven, after numerous tests, very superior to anything else of this kind on the market and are the only reliable and durable apparatus for that purpose.

Regulators (Steam Engine)

See Governors, Steam Engine

12347—Regulators (Steam Heat, for Train Service)

Foster Engineering Co., 109 Monroe, Newark, N. J.
Garrett W. D. & Co. (Steam & Water), 118 E 28th, New York
Locke Regulator Co., Salem, Mass.
Mason Regulator Co. ("Mason"), 1192 Adams, Boston, Mass.

Regulators (Tank, Hot Water)

See Regulators, Hot Water

12348—Regulators (Temperature)

See Also Regulators, Heat

American Radiator Co. ("Arco"), 820 S Michigan av, Chicago, Ill.
American Thermostat Co., 226 Jeliff av, Newark, N. J.
Atlas Valve Co., 282 South, Newark, N. J.
Bishop & Babcock Co. ("B & B"), 1204 E 35th, Cleveland, Ohio
Elec. Automatic Appliance Co., 1749 Arapahoe, Denver, Colo.
Ford Electric & Mfg. Co., 522 S Soto, Los Angeles, Cal.
FOXBORO COMPANY, THE ("Foxboro"), Foxboro, Mass.
See adv index at end of book
Fulton Co. ("Sylphon" for air & liquids), Knoxville, Tenn.
Gold Car Htg. & Ltg. Co., 17 Battery Pl, New York
Honeywell Htg. Specialties Co., Wabash, Ind.
Jewell Mfg. Co., Auburn, N. Y.
JOHNSON SERVICE CO., 153 Michigan, Milwaukee, Wis.
See adv index at end of book
Minneapolis Heat Regulator Co. ("Minneapolis"), 2802 4th av S, Minneapolis, Minn.
POWERS REGULATOR CO., 2773 Greenview av, Chicago, Ill
See adv index at end of book
Railway Utility Co., 151 W 22nd, Chicago, Ill.
SARCO CO., INC. ("Sarco"), 14 Park pl, New York
Standard Dry Kiln Co., Harding & Belt, Indianapolis, Ind.
Standard Thermometer Co., 65 Shirley, Boston, Mass.
Tagliabue C. J. Mfg. Co., 18 33d, Brooklyn, N. Y.
Taylor Instrument Companies, Rochester, N. Y.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.
Witt G. E. Co., 862 Howard, San Francisco, Cal.
Wolverine Temperature Regulator Co., Marshall, Mich.
Yoder Thos. Mfg. Co., Engineers bldg, 5510 Walworth, Cleveland, O.

12348a—Regulators (Vacuum)

Cash A. W. Company, Dept. H, P. O. Box 135, Decatur, Ill.
See adv index at end of book

12349—Regulators (Voltage)

Gold Car Heating & Lighting Co., 220 36th, Brooklyn, N. Y.
Portland Co. ("W. U. C.") Portland, Me.
Watson Thos. S. Co., 537 Hartford, Milwaukee, Wis.
Westinghouse Electric & Mfg. Co., E Pittsburgh, Pa. *See adv index at end of book*

12350— Regulators (Water)

Am. Radiator Co. ("Syphon," "Ideal Syphon"), 816 Michigan av, Chicago, Ill.
See adv index at end of book
CASH A. W. CO. (Ammonia Controlled), Dept. H, P. O. Box 135, Decatur, Ill.
See adv index at end of book

Cash Standard Ammonia Controlled Water Regulators

Control flow of water over condenser coils; maintain even flow of water; conserve amount used; resist action of ammonia; sizes ¼" to 2". Ask for description and catalog.

A. W. Cash Co., Dept. H. Decatur, Ill.

Hennebohle Frank (Also Steam, Gas & Air), 71st & S Chicago av, Chicago, Ill.
Mueller H. Mfg. Co., Decatur, Ill.
See adv index at end of book
Nason Mfg. Co. ("Multiservis"), 71 Fulton, New York
See adv index at end of book
Kieley & Mueller, 34 W 13th, New York
Ofeldt Gas Fired Boiler Co., Inc. (Automatic), Nyack, N. Y.
Strong, Carlisle & Hammond Co., ("Strong"), 336 Frankfort av N W, Cleveland, O.
Witt G. E. Co., 862 Howard, San Francisco, Cal.

12351—Regulators (Water Pressure)

Atlas Valve Co., 282 South, Newark, N. J.
Atwood & Morrill ("X X Century"), 48 Loring av, Salem, Mass.; & New York
Bishop & Babcock Co., 1204 E 55th, Cleveland, O.
Chapin-Fulton Mfg. Co., 34 Penn av, Pittsburgh, Pa.
Clow Jas. B. & Sons, Franklin & Harrison, Chicago, Ill.
Cooper Sanitary Mfg. Co., 34th & Chestnut, Phila., Pa.
Davis G. M. Regulator Co., 434 Milwaukee av, Chicago, Ill.
D'Este Julian Co. ("Curtis"), 26 Canal, Boston, Mass.
Ford Thos. P. Co., 407 Broome, New York
Foster Engineering Co., 109 Monroe, Newark, N. J.
Garrett, W. D. & Co., 118 E. 28th, New York
Kieley & Mueller, 34 W 13th, New York
Locke Regulator Co. ("New Era"), Salem, Mass.
Mason Regulator Co. ("Mason"), Dorchester Center, Boston, Mass.
Mueller H. Mfg. Co., Decatur, Ill.
See adv index at end of book
POWERS REGULATOR CO., 2773 Greenview av, Chicago, Ill.
See adv index at end of book
Ross Valve Mfg. Co., 9 Oakwood av, Troy, N. Y.
Try-Me Mfg. Co. ("Try-Me"), Westfield, Mass.
Union Water Meter Co., Worcester, Mass.
Watts Regulator Co. ("Watts"), Lawrence, Mass.
Witt G. E. Co., 862 Howard, San Francisco, Cal.

Regulators (Water Wheel)

See Governors, Water Wheel

12352—Regulators (Windmill)

Aermotor Co., 2500 West 12th, Chicago, Ill.
Althouse-Wheeler Co., Waupun, Wis.
Baker Mfg. Co. ("Baker"), Evansville, Wis
Celina Mfg. Co., Celina, O.
Challenge Co., Batavia, Ill.
Chicago Hardware Foundry Co., 546 W Washington, N Chicago
DEMING CO., Salem, O.
See adv index at end of book
Flint & Walling Mfg. Co. ("Hoosier"), Kendallville, Ind.
Heller, Adler & Co. (Hydraulic), Napoleon, Ohio
Hunt, Helm, Ferris & Co. ("Star" & "Champion"), Harvard, Ill.
Myers F. E. & Bro. Co. (Myers), 950 Orange, Ashland, O.
See adv index at end of book
Red Jacket Mfg. Co. Davenport, Ia.
Stover Mfg. & Engine Co., Freeport, Ill.
Woodmanse Mfg. Co., Freeport, Ill.

12353—Regulators (Window)

Liberty Works Mfrs. (For Autos), Egg Harbor City, N. J.
Perfect Window Regulator Co. ("Perfect" for Autos, Carriages, Motor Boats, etc), 20 Exchange pl, New York

12354-5— Reheaters (Air)

Buckwalter Jn. S. Co. ("Buckwalter" Aligning Device), 413 N Mary, Lancaster, Pa.
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
Wheeler Condenser & Engineering Co. ("Wheeler" Improved) W Carteret, N. J.

Reinforcement (Concrete)

See Concrete Reinforcing Bars, Iron & Steel; also Concrete Reinforcing Materials

12356—Relays for Electrical Contact

Brown & Pengilly Inc. ("Merco" overload), 2114 E 9th, Los Angeles, Cal.
Butte Electric & Mfg. Co., 956 Folsom, San Francisco, Cal.
Condit Electric Mfg. Co. ("Condit"), 842 Summer, Boston, Mass.
Consolidated Car Heating Co., Albany, N.Y.
General Railway Signal Co., Rochester, N. Y.
Minneapolis Heat Regulator Co. ("Minneapolis"), 2802 4th av S, Minneapolis, Minn.
See adv index at end of book
Sangamo Electric Co., Springfield, Ill.
Schweitzer & Conrad, Inc. (Protective), 4431 Ravenswood av, Chicago, Ill.
Western Electro-Mechanical Co., 461 2nd Oakland, Cal.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

12357— *Relays (Magnetic)

HART MFG. CO. ("Diamond H"), 230 Hamilton, Hartford, Conn.
See adv index at end of book

12359—Reliners (Automobile)

Ideal Machinery Co. Inc. (Brake & Clutch), 1530 Broadway, Seattle, Wash.
K. & W. Rubber Co., Ashland, O.
Keystone Rubber Mfg. Co., Erie, Pa.
Polson W. J. Co. ("W. J. Polsons"), 18th & Indiana av, Kansas City, Mo.
Storm King Mfg. Co. ("Storm King" Ford Door), Winneconne, Wis.

12360— *Reloaders (Coal)

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

12361— Remelters (Soap)

Houchin-Aiken Co., 113 53d, B'klyn, N. Y.

12362-5—Reminders (Household)

Kohler Die & Specialty Co. ("Deaton"), De Kalb, Ill.

12366—Removers (Paint & Varnish)

CHICAGO VARNISH WORKS, 2100 Elston av, Chicago
Wilson-Imperial Co. ("Lingerwett"), 115 Chestnut, Newark, N. J.
See adv index at end of book

"LINGERWETT"

PAINT and VARNISH REMOVER



Quick Acting—Deep Cutting. Standard for many years in Railroad Shops and Auto Refinishing Shops and used daily by thousands of House Painters and Decorators.

WILSON-IMPERIAL CO.

Manufacturers

115 Chestnut St., NEWARK, N. J.

Removers (Crown Seal)

See Openers, Bottle

12367— Replacers (Car)

Aldon Co. ("Aldon" Car & Locomotive), 3338 W Ravenswood av, Chicago, Ill.
Alexander Car Replacer Mfg. Co., 2398 Mears bldg, Scranton, Pa.
Buda Co. ("Buda"), Harvey, Ill.
Fox Bros. & Co., 126 Lafayette, New York.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Q. & C. Co., 90 West, New York
Reading Specialties Co., Reading, Pa.
Sargent Co. ("Sargent Berailer"), 625 W Jackson blvd, Chicago, Ill.
Seattle Frog & Switch Co., Smith bldg, Seattle, Wash.
Track Equipment Co., Huntington, W. Va.
Track Specialties Co., Inc. (Dirs.), 2-4-6 Morris, New York

12368-9—Replacers (Incandescent Lamp)

Latham E. B. & Co., 550 Pearl, New York
McGill Mfg. Co. ("Adaptable Incandescent), 77 Oak, Valparaiso, Ind.

12370—Re-Railer (Mine Car)

American Mine Door Co., Canton, O.

12371— Research Apparatus

American Radio & Research Corp. ("Twin R"), 203 College av, Medford Hillside, Mass.

12372—*Reservoirs (Air & Storage)

Chicago Bridge & Iron Works (Air), 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Horton Steel Works Ltd., 118 Janet, Bridgeburg, Ont., Canada.
KOVEN L. O. & BRO. INC., 154 Ogden, Jersey City, N. J.
See adv index at end of book

12373— Reservoirs (Stove)

Indiana Hollow Ware Co. (Enameled Iron), Jeffersonville, Ind.

12374— Resins (Oleo)

Bush W. J. & Co., 370 7th av, New York
Chiris Antoinine Co., 147 Waverly, New York

12375— Resistance Grids

Columbia Machine Wks. & Malleable Iron Co. (Complete for 2 or 4 Motor Equipments—Repair Parts for All Types), Atlantic & Chestnut, Brooklyn, N. Y.
Consolidated Iron & Steel Mfg. Co., 1290 E 53rd, Cleveland, O.
CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

12376—*Resistance Rods & Carbons

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Westinghouse Air Brake Co., East Pittsburgh, Pa.

12377— Resistance Units

Allen-Bradley Co. ("Allen-Bradley") 286 Greenfield av., Milwaukee, Wis.
Brach L. S. Supply Co., 129 Sussex av., Newark, N. J.
Chicago Railway Signal & Supply Co., 122H S Michigan av, Chicago, Ill.
Consolidated Car Heating Co., Dept. H, Albany, N. Y.
CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
Dover Mfg. Co., Dover, O.
Electric Controller & Mfg. Co., Cleveland, Ohio *See adv index at end of book*
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Industrial Controller Co. ("I. C."), 890 Greenbush, Milwaukee, Wis.
Nichols-Lintern Co., 8404 Lorain av, Cleveland, O.
Railroad Supply Co., 203 S. Dearborn, Chicago, Ill.
Railway & Industrial Engineering Co., Dept. H, Greensburg, Pa.
Ward Leonard Electric Co., Mount Vernon, N. Y.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book
Wirt Co. ("Di-El-Ite"), Germantown Phila., Pa.

12378— Resistors (Carbon)

Carbon Products Co. (Granular), Lancaster, Ohio
National Carbon Co., Thompson av & Orton, Long Island City, N. Y.
Republican Carbon Co. (Granular) Niagara Falls, N. Y.

12379—Resistors (Standard)

Consolidated Car Heating Co., Dept. H, Albany, N. Y.
CUTLER-HAMMER MFG. CO., (Arc Lamp), 12th & St. Paul av, Milwaukee, Wis. *See adv index at end of book*
Industrial Controller Co. ("I. C."), 890 Greenbush, Milwaukee, Wis.
Queen-Gray Co., 64-70H W Johnson, Phila, Pa.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book
Wirt Co. ("Di-el-ite"), 5221-7 Greene, Gtn., Phila., Pa.

12379a— Resorcinol

American Synthetic Color Co., Stamford, Conn.
Dissosway Chemical Co. Inc. (U. S. P.), 55-63 Eckford, Brooklyn, N. Y.
Mallinckrodt Chem. Wks., 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park pl, New York
National Aniline & Chemical Co., Inc., 40 Rector, New York

12380— Respirators

See also Helmets, Smoke & Ammonia

American Atmos Corp., Wilkinsburg Station, Pittsburgh, Pa.
AMERICAN LA FRANCE FIRE ENGINE CO. INC., Elmira, N. Y.
American Thermo-Ware Co. (Of Rubber Metal), 16 Warren, New York
Barnard Machinery Co. (Automatic), Enterprise, Kan.
Chicago Eye Shield Co. ("Chicago," "Spencerian," "Universal"), 2300 Warren av, Chicago, Ill.
General Scientific Equip. Co., Inc., North Phila., Pa.
Goodyear Tire & Rubber Co., Inc. ("Goodyear"), 1144 E. Market, Akron, Ohio
Goodrich B. F. Co. (Rubber), Akron, O.
Hayward S. F. & Co. ("Westfalia" Automatic), 250 W 54th, New York
Improved Aluminum Gasco Protector Co. ("Gasco" Safety Devices for Gas, Smoke, Ammonia, etc), 1103 North av, Waukegan, Ill.
Life Saving Devices Co. ("Lungmotor" Mechanical), 710 W Madison, Chicago, Ill.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Multi Metal Separating Screen Co. ("Pulmosan"), 801 E 139th, New York
Safety First Supply Co., 107 Third av, Pittsburgh, Pa.
Schwenker W. M., 342 E 92d, New York
Wilson Goggles Inc., Reading, Pa.

12381—Restaurant & Cafeteria Equipment

(General Equipment—Bain Marie Pans; Cabinets; Canopies, Curtains & Hoods; Cereal Cookers; Combination Drink Coolers; Condiment Stands; Counters (display lunch and service); Cutlery Boxes; Garde Manger; Oyster Bars; Shelving; Soda Fountains; Steam Tables & Insets; Steamers (vegetables); Tables & Bins (bakers', vegetables, cooks', work, dish, etc.); Urn Stands; Warmers (cup, plate, roll, food); Water Coolers; etc.)

Aldrich Mfg. Co., Inc., 55 Illinois, Buffalo, N. Y.
American China & Glass Co., 39 E Court, Cincinnati, Ohio
American Hotel & Restaurant Supply Company, 348 Canal, New York
American Oven Co., 1506 Fulton, Chicago
American Sheet Metal Works, Seattle, Wash.
American Slicing Machine Co., 209 S State, Chicago, Ill.
A. & S. Restaurant Supply Co., 84 Bowery, New York
Arkay Co., The, 282 9th av, New York
Arwe Mfg. Co. Carl H., 1348 DeKalb av, Brooklyn, N. Y.
Banta Refrigerator Co., Clearfield, Pa.
Barth & Son L., 32 Cooper sq, New York
Bell, James, 2244 San Pablo av, Oakland, Cal.
Berla, Elias, 232 Mulberry, Newark, N. J.
Berle Mfg. Co., 503 Kahl bldg, Davenport, Iowa
Birkmayer, Rodimich & Showel Co., Toledo, Ohio
Blakeslee Co. G. S., Cicero, Ill.
Blakeway John, 105 Beale, San Francisco, Cal.
Bluemle R. H., Los Angeles, Cal.
Bolton & Hay, 216 4th, Des Moines, Iowa
Bramhall-Deane Co., 261 W 36th, New York
Bucks Stove & Range Co., St. Louis, Mo.
Budde & Westerman, 7th av & 29th, New York
Burton Range Co., Cincinnati, O.
Buzzini Walter J., Inc., 516 W 21st, New York
Buzzini John S. Corp., 226 E 42nd, New York
Canadian Hotel Supplies, Ltd., Winnipeg, Manitoba, Can.
Canada Scale & Slicer Co., Ltd., Toronto, Ontario, Can.
Century Machine Co., Cincinnati, Ohio
Chicago Range Co., 128 W Kinzie, Chicago, Ill.
Clad Co. Victor V., The, 119 S 11th, Philadelphia, Pa.
Cleveland Range Co., 519 Huron rd, Cleveland, Ohio
Coco Brothers, Inc., 11 Baxter, New York
Colorado Range Co., Denver, Colo.
Cooke-Stubinger Co., St. Louis, Mo.
Crane Co., 836 S Michigan av, Chicago, Ill.
Crescent Washing Machine Co., New Rochelle, N. Y.
Crist & Schilken, Pittsburgh, Pa.
Curtis, Espy & Co., 546 Washington blvd, Chicago, Ill.
Day Co. J. H., Cincinnati, Ohio
Dayton Scale Co., Dayton, Ohio
Davidson Mfg. Co., 187 Delisle, Montreal, Que.
Deixler M., 25 Cooper sq, New York
Demmler & Schenk Co., Pittsburgh, Pa.
Dohrmann Co. Nathan, Geary & Stockton, San Francisco, Cal.
Dougherty W. F. & Sons, Inc., 1009 Arch, Philadelphia, Pa.
Drinkwater Co., 389 Rider av, New York
Duckworth Ernest, 106 N 3rd, Phila., Pa.
Dulin & Martin, Washington, D. C.
Duparquet, Huot, Moneuse & Co., 110 W 22nd, New York; 290 North, Boston, Mass.; 312 W Ontario, Chicago, Ill.
Eberhardt Range Co. C. M., 345 W Austin, Chicago, Ill.
Electric Maid Bake Shops, Electric Maid bldg, St. Paul, Minn.
Elkay Mfg. Co., 606 N Sangamon, Chicago
Ellerbrock Lawrence, Inc., 29 S Frederick, Baltimore, Md.
Elsinghorst Bros., 138 Broadway, Buffalo, N. Y.
Ely-Burgoyne Co. J. B., Boston, Mass.
Emerson & Sacks (Sinks), Boston, Mass.
Eureka Refrigerator Co., Owen Sound, Ontario, Can.
Fearless Dishwasher Co., Rochester, N. Y.
Food Appliance Mfg. Corp., Lockport, N. Y.
Ford Hotel Supply Co., 921 N Broadway, St. Louis, Mo.
Gloekler Co. The Bernard, Pittsburgh, Pa.
Great Western Store & Repair Co., Minneapolis, Minn.
Gurney Foundry Co., Ltd., Toronto, Ont., Canada
Hamilton Low Co., The, 62 Van Winkle av, Jersey City, N. J.
Hill & Co. C. V., Trenton, N. J.
Hoos Co., Inc., The John, Baltimore, Md.
Huey & Philip Hardware Co., Dallas, Tex.
Hutchinson Bros., 5 S Howard, Baltimore, Md.
Illinois Range Co., 169 Ann, Chicago, Ill.
Ils John G. Company, 839 Mission, San Francisco, Cal.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book



Janows-Kramer Range Co., 640 W Randolph, Chicago, Ill.
Joesting & Schilling, St. Paul, Minn.
Jewett Refrigerator Co., Buffalo, N. Y.
Karle Co. D., Detroit, Mich.
Kiefer Co. A. L., Milwaukee, Milwaukee, Wis.
Kieffer Bros., Inc., 218 N Salina, Syracuse, N. Y.
Knox Products Co., Imperial Powder bldg., Pittsburgh, Pa.
Kronman, Inc., E., 211 W 19th, New York
La Haye Mfg. Co., 1516 Folsom, San Francisco, Cal.
Lewis Mfg. & Supply Co., 505 W Liberty, Louisville, Ky.
Loehr A. H., 20 Kneeland, Boston, Mass.
McDonald Co., Bruce, 2001 Washington, Kansas City, Mo.
Majestic Mfg. Co., 2134 Morgan, St. Louis, Mo.
Marine Works, The, 31 Coentes Slip, New York
McCray Refrigerator Co., Kendallville, Ind.
McClary Mfg. Co., London, Conn.
McFarlane-Douglas Co., Montreal, Que., and Ottawa, Ont.
Merz Sheet Metal Works, Seattle, Wash.
Michigan Stove Company, The, Detroit, Mich.
Mitchell Co., Ltd., The Robert, 64 Belair av, Montreal, Quebec
Montague Range & Furnace Co., 826 Mission, San Francisco, Cal.
Morandi-Proctor Co., 86 Washington, Adams sq, Boston, Mass.
Morse Bros., Boston, Mass.
Musgrove, Inc., E. F., 622 W 47th, New York
M. & H. Plating Works, 717 Market, San Francisco, Cal.
National Store Fixture Co., 1428 Larimer, Denver, Colo.
Nelson James A., Inc., 10th & Howard, San Francisco, Cal.
Nelson Metal Works, 115 Boerum pl, Brooklyn, N. Y.
Newman Manufacturing Co., 416 Elm, Cincinnati, Ohio
New York French Range Co., 188 Chambers, New York
Odorless Refrigerator Co., Chattanooga, Tenn.
Omaha Fixtures & Supply Co., 11th & Douglas, Omaha, Neb.
Parmelee-Dohrmann Co., Los Angeles, Cal.
Perfect Automatic Egg Timer & Mfg. Co., 1600 Fulton, Chicago, Ill.
Philips & Buttorff Mfg. Co., Nashville, Tenn.
Pick Albert & Co., 212 W Randolph, Chicago, Ill.
Popple & Knowles Co., Post & Spring, Seattle, Wash.
Prometheus Electric Co., The, 511 W 42nd, New York
Prowse Range Co., Ltd., Geo. R., Montreal, P. Q., Can.

(Continued on following page)

Restaurant & Cafeteria Equipment—Continued

Ransom-Barton Co., Philadelphia, Pa.
Ray Mfg. Co. Geo. A., Buffalo, N. Y.
Read Machinery Co., York, Pa.
Regal Kitchens, Ltd., 85 Park av, Montreal, P. Q., Can.
Restaurant Equipment Co., Inc., 2322 1st av, Seattle, Wash.
Roper Corp. Geo. D., Rockford, Ill.
Rotisserie Range Company (Rotisseries), 26 Sullivan, New York
Ruslander & Son A. S., 214-16 Terrace, Buffalo, N. Y.
Russ Mfg. Co., W 58th & Walworth avs, Cleveland, Ohio
Russell & Watson, 94-6 Pearl, Buffalo, N. Y.
Schmidt Co. C., John & Livingston, Cincinnati, Ohio
Sexton Stove & Mfg. Corp. S. B., Baltimore, Md.
Sholes, Inc., 186 Lafayette, New York
Simplex Electric Heating Co., Cambridge, Mass.
Smith, St. John Mfg. Co., 1408 Walnut, Kansas City, Mo.
Soda Service Corp., Kansas City, Mo.
Sparrow & Co. George, 119 Church, Toronto, Ontario, Can.
Standard Furnace & Range Co., Louisville, Ky.
Stearnes Co., The, 133 W Lake, Chicago, Ill.; 1117 Farnam, Omaha, Neb.
Straus Co., The, 1004-8 E Cary, Richmond, Va.
Texas Hotel Supply Company, 1111 Franklin av, Houston, Tex.
Thompson Blacklow Co., Boston, Mass.
Traster & Sons L., 8 Friend, Boston, Mass.
Trotter & Son C. W., 35 Elm, Rochester, N. Y.
Union Spinning & Plating Co., Boston, Mass.
U. S. Slicing Machine Co., La Porte, Ind.
Van Range Co., The John, Cincinnati, O.
Van Range Co. John, The, 130 W Jefferson, Detroit, Mich.
Wahmann Mfg. Co. Geo. H., 520 W Baltimore, Baltimore, Md.
Walrous Mfg. Co., Decatur, Ill.
Watkins & Sons, Inc., Jas. Y., 16-20 Catharine, New York
Western Glass & China Company, 263 W Water, Milwaukee, Wis.
Western Range Co., 532 McAllister, San Francisco, Cal.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
Wilcox-Anderson Co., 1735 E 12th, Cleveland, O.
Wolff D., 192 West, New York
Wrought Iron Range Co., 6 Portland, Boston, Mass.
Wrought Iron Range Co. (Culver Bros.), St. Louis, Mo.
Wrought Iron Range Co., Ltd., Toronto, Ontario, Can.
Zahner Mfg. Co., Kansas City, Mo.
Zeyn Chas. & Son Mfg. Co., Kansas City, Mo.

12382— Rests (Bow)

Backstay Machine & Leather Co., Union City, Ind.
Cowles C. & Co., New Haven, Conn.
Detroit Socket Co., 2744 W Jefferson, Detroit, Mich.
Eberhard Mfg. Co., C. & P. Ry. & Tennyson rd, Cleveland, O.
Essex Brass Foundry Co, Cambridge, Mass.
Gilliam Co., 820 Savannah av, N E, Canton, O.
Highton Wm. & Sons Co., Nashua, N. H.
Jonah & George, Merrimac, Mass.
Keeler Brass Co., Grand Rapids, Mich.
North & Judd Mfg. Co. ("Anchor Brand"), New Britain, Conn.
O'Brien Jos. F. Mfg. Co., 391 B'way, New York
Perkins-Campbell Co., 622 B'way, Cincinnati, O.
Smith Jos. N. & Co., 2461 E Grand blvd, Detroit, Mich.
Thomson Mfg. Co. ("Bow Hold Fast"), Watertown, Mass.
Western Brass Mfg. Works, Marshall blvd & W 21st, Chicago, Ill.
Woodruff Walter W. & Sons Co. Mt. Carmel, Conn.

12383— Rests (Pipe)

Blake Specialty Co. ("Fits Em-All"), Dept. H, 16th & Mill, Rock Island, Ill.
Casey-Hedges Co. ("Chattanooga"), 25th & Chestnut, Chattanooga, Tenn.
Grabler Mfg. Co., Cleveland, O.
Modern Iron Works(Soil Pipe), Quincy, Ill.
Oberle J. F., 238 E 42nd, New York

12384—Rests (Violin Chin)

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

12385— Retainers (Ball)

AETNA BALL BEARING MFG. CO., 2743 High, Chicago, Ill.
See adv index at end of book
Bearings Co. of America ("Star" Thrust Magnet, Cup & Cone Type), Lancaster, Pa.
Bossert Corp. (The), cor. Linden & West av, Utica, N. Y.
Crosby Co., 183 Pratt, Buffalo, N. Y.
Hill-Smith Metal Goods Co. ("H. S." for Automobiles), 82 Brookline av, Boston, Mass.
Konigslow Otto Mfg. Co., 3506 Perkins av, Cleveland, O.
New England Pressed Steel Co., Natick, Mass.
Nice Ball Bearing Co., 30th & Nicetown, Phila., Pa.
Worcester Pressed Steel Co., Worcester, Mass. *See adv index at end of book*
Zeigler Mfg. Co., Alexandria, Ind.

12385a—*Retainers for Veneers (Patented)

Black Bros. Co. Inc. (The), Mendota, Ill.
See adv index at end of book
Elmes Chas. F. Engineering Works, cor Fulton & Sangamon, Chicago, Ill.
See adv index at end of book

12386—Retarders (Railroad Car)

Fairmont Mining Machy. Co., Fairmont, W. Va.
Webster Mfg. Co., 4500 Cortland, Chicago, Ill. *See adv index at end of book*

12387— Retorts (Cannery)

Baker Iron Wks., Los Angeles, Cal.
Dundon Iron Works, 225 Folsom, San Francisco, Cal.
Premier Machinery Co., 310 Sansome, San Francisco, Cal.
See adv index at end of book
Seattle Astoria Iron Wks., 601H Myrtle, Seattle, Wash.
Vance & Baker Mfg. Co. (for Fish, Cereals, Fruits, Vegetables, etc), Muscatine, Ia.

12388— Retorts (Cast Iron)

BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
DAVIES & THOMAS CO., Catasauqua, Pa.
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Phila. Roll & Machine Co. (Steel & Iron), Dept. H, 52nd & Grays av, Phila., Pa
Pulaski Foundry & Mfg. Corp., 2424 Euclid av, Cleveland, O.
See adv index at end of book
Sperry D. R. & Co., Batavia, Ill.

12389— Retorts (Chemical)

Bay State Crucible Co., Taunton, Mass.
Bethlehem Fdry. & Mach. Co., S Bethlehem, Pa.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Devine J. P. Co., Buffalo, N. Y.
Finch Mfg. Co., Scranton, Pa.
Foreign Crucibles Corp., Ltd. (Importers Graphite for Zinc), 831 E 15th, Brooklyn, N. Y.
Fulton Fdry. Co., 1209 Marquette av, Cleveland, O.
General Ceramics Co. (Stoneware), 50 Church, New York
Hamler Boiler & Tank Co., Dept. H, W 66th & 60th av, Chicago, Ill.
Laclede-Christy Clay Prod. Co., Railway Ex. bldg, St. Louis, Mo.
Lummus Walter E. Co., 171 Milk, Boston, Mass.
Pulaski Foundry & Mfg. Corp., 2424 Euclid av, Cleveland, O.
See adv index at end of book
Struthers-Wells Co., Warren, Pa.
Stuart & Peterson Co. (Cast Iron), Burlington, N. J.
Thermal Syndicate Ltd., 58 Schenectady av, New York
United States Stoneware Co. (Glazed Stoneware), Akron, Ohio

12389a— Retorts (Copper)

Buffalo Foundry & Machine Co., Winchester av, Buffalo, N. Y.
See adv index at end of book

12389b—Retorts (For Oil Shale)

KENNEDY-VAN SAUN MFG. & ENG. CORP., 50 Church, New York

12390— Retorts (Gas)

Borgner Cyrus Co., Drexel bldg, Philadelphia, Pa.
Chicago Retort & Fire Brick Co., Ottawa, Ill.
Gardner Jas. Jr. Co., Lockport Station, Pa.
Gas Machinery Co., 1900 Euclid av, Cleveland, O
Gautier J. H. & Co. (Clay), 1 Greene, Jersey City, N. J.
Harbison-Walker Refractories Co. ("H. W. Ricon," High Silica for Coal Gas Benches & Water Gas Plants, etc); Also Fire Clay Shapes for Regenerators, Fixers, Carburetors & Checkers), Farmers' Bank bldg, Pittsburgh, Pa.
Kreischer Brick Mfg. Co., Kreischerville, S. I., N. Y.
Laclede-Christy Clay Prod. Co., Manchester & Sulphur avs, St. Louis, Mo.
Louisville Fire Brick Works, Highland Park, Louisville, Ky.
Missouri Fire Brick Co. (Fire Clay & Silica), Security bldg, St. Louis, Mo.
Parker-Russell Mining & Mfg. Co., 3300 Mayonford rd, St. Louis, Mo.
Phila. Fire Brick Works, 2306 Vine, Phila., Pa.

12390a—*Retorts (Gold and Silver Melting)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Bethlehem Shipbuilding Corp., Ltd., 20th & Michigan, San Francisco, Cal.
KENNEDY-VAN SAUN MFG. & ENG. CORP., 50 Church, New York
See adv index at end of book

12390b—Retorts (Nitric Acid)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
General Ceramics Co., H Hudson Terminal bldg, New York
Stevens Bros., 149 B'way, New York
Superior Fdry. Co., Dept. H, E 71st & W. & L. E. Ry., Cleveland, Ohio.

12391— Retorts (Platinum)

Bishop J. & Co., Malvern, Pa.

12392—Retorts (Turpentine)

Lummus Walter E. Co., 171 Milk, Boston, Mass.
Struthers-Wells Co. (Also Wood & Alcohol), Warren, Pa.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.

12393—Retorts (Wood Bending)

IGOE BROTHERS, 61-73 Metropolitan av, Brooklyn, N. Y.
See adv index at end of book
Perfection Wood-Steaming Retort Co., Parkersburg, W. Va.

12393a— Revivifiers (Sand)

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

12394— Revolver Mfrs.

Ames Sword Co. ("Protector"), Chicopee, Mass.
Colt's Patent Fire Arms Mfg. Co., 17 Van Dyke av, Hartford, Conn.
Davis-Warner Arms Co., 96 Chambers, New York
Harrington & Richardson Arms Co. ("H. & R." Self-Loading, Automatic), Worcester, Mass.
Hopkins & Allen Arms Co. ("H. & A."), (Br. of Marlin-Rockwell Corp.), Norwich, Conn.
Johnson's Iver Arms & Cycle Works ("Iver Johnson," "Hammer the Hammer"), Fitchburg, Mass.
Pacific Arms Corp. ("Pacific Arms"), 948 Market, San Francisco, Cal.
Savage Arms Corp., Utica, N. Y.
Sedgley R. F. ("Baby" Hammerless), 2311 N 16th, Phila., Pa.
Smith Otis A., Rockfall, Conn.
Smith & Wesson, Stockbridge, Springfield, Mass.

12395— Rheostats

Allen-Bradley Co. ("Allen-Bradley" Motor, Starting Speed Regulator, Battery, Charges, Lamp Dimmers, Field & Laboratory Rheostats, etc), 495 Clinton, Milwaukee, Wis.
Atlas Powder Co., Wilmington, Del.
Automatic Switch Co., 154 Grand, New York
Barker Bros. Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
Bennett-O'Connell Co., 3600 So. Morgan, Chicago, Ill.
Biddle Jas. C., 1211 Arch, Phila., Pa.
Campbell Elec. Co., 17 Stewart, Lynn, Mass.
Crown Rheostat & Supply Co., 15 S Desplaines, Chicago, Ill.
Cushman Electric Co. (Compound Starting & Regulating), Concord, N. H.
CUTLER-HAMMER MFG. CO. (For all Purposes), 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
D. & D. Elec. Co., 53 W 3rd, New York
Darrin D. H. ("The Whittingham"), 4 White, New York

DU PONT E. I. DE NEMOURS & CO. INC., Explosive & Smokeless Powder Depts. ("Du Pont" Blasting Machine Testers) (See Adv. at Explosives), Wilmington, Del.
See adv index at end of book

Electric Controller & Mfg. Co., Cleveland, Ohio *See adv index at end of book*

Giant Powder Co., Cons. San Francisco, Cal.

Hercules Powder Co. (Blasting Machine Tester), Wilmington, Del.

Industrial Controller Co. ("I. C.," Motor Starting, etc.), 890 Greenbush, Milwaukee, Wis.

International Instrument Co. (Water), 23 Church, Cambridge, Mass.

Jewell Elec. Co., Munsey Bldg., Baltimore, Md.

Knoeller Electric Co., De Pere, Wis.

Knott L. E. Apparatus Co. (Lamp Resistance with Units, also Plug Resistance Boxes), 79 Amherst, Cambridge, Mass.

Leonard Electric Mfg. Co., 390H Perkins av, Cleveland, O.

Lincoln Electric Co., Cleveland, O.

Lockport Chemical Works (Crown), Lockport, Ill.

Monitor Controller Co. (Automatic Motor Starting), 514 E Lombard, Baltimore, Md.

National Electric Controller Co. ("National"), 154 Whiting, Chicago, Ill.

Northern Eng'ng Works, 30 Church, New York

ROBERTSON LEO F. INC., 540 W 22nd, New York

Rowan Controller Co., 308 N Holliday, Baltimore, Md.

Schaefer Bros. Co., 1059 W 11th, Chicago, Ill.

Sundh Electric Co., 5 av C, Newark, N. J.

Taigman M., 462 W Broadway, New York

Troy Electrical Co., Troy, N. Y.

Union Elec. Mfg. Co. ("Uemco"), 110 Reed, Milwaukee, Wis.

Valley Electric Co., 3157H S Kingshighway, St. Louis, Mo.

Vesta Battery Corp. ("Vesta" Charging for Automobiles), 2100 Indiana av, Chicago, Ill.

Ward Leonard Electric Co., Mount Vernon, N. Y.

Western Electro Mechanical Co., 465 2nd, Oakland, Cal.

Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

12396—Rheostats (Battery Charging)

Allen-Bradley Co. ("Allen-Bradley"), 286 Greenfield av, Milwaukee, Wis.

CUTLER-HAMMER MFG. CO., 12th & St. St. Paul av, Milwaukee, Wis.
See adv index at end of book

Electric Products Co. ("Wotton"), Clarkstone rd, Cleveland, Ohio

Enterprise Optical Mfg. Co. (For Moving Pictures), 564 W Randolph, Chicago, Ill.

Fairbanks-Morse Electrical Mfg. Co., 139 S Meridian, Indianapolis, Ind.

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*

Hallberg J. H. (Economizer for Moving Pictures), 25 W 4th, New York

Leonard Electric Mfg. Co., 3907H Perkins av, Cleveland, O.

Union Elec. Mfg. Co. ("Uemco"), 110 Reed, Milwaukee, Wis.

Ward Leonard Electric Co., Mount Vernon, N. Y.

WESTBURG ENGNG. CO., 57 W Jackson blvd, Chicago, Ill.

Western Electric Co., 463 West, New York

Western Electro Mechanical Co., Oakland, Cal.

Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

12397— Rheostats (Field)

CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*

National Electric Controller Co. ("National"), 154H Whiting, Chicago, Ill.

Union Elec. Mfg. Co. ("Uemco"), 110 Reed, Milwaukee, Wis.

Ward Leonard Electric Co. (Generator), Mount Vernon, N. Y.

Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

12398—*Rheostats (Meter Testing)

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*

12399—Rheostats (Motor Charging, Starting & Speed Controlling)

See also Rheostats

Allen-Bradley Co. ("Allen-Bradley"), 495 Clinton, Milawukee, Wis.

Automatic Switch Co. ("Whittingham"), 154 Grand, New York

Barkelew Electric Mfg. Co., Middletown, Ohio

ELECTRIC CONTROLLER & MFG. CO., Cleveland, O.
See adv index at end of book

Industrial Controller Co., 890 Greenbush, Milwaukee, Wis.

Lincoln Electric Co., Cleveland, O.

Monitor Controller Co., 514 E Lombard, Baltimore, Md.

New York Electric Controller Co., 35 Rose, New York

Reno-Kaetker Electric Co. ("Reliance"), 701 Gerke bldg, Cincinnati, O.

Schaefer Bros. Co., 1059 W 11th, Chicago, Ill.

Triumph Electric Co., Oakley, Cincinnati, Ohio

UNION ELECTRIC MFG. CO. ("Uemco"), 120 Reed, Milwaukee, Wis.

Ward Leonard Electric Co., Mount Vernon, N. Y.

WESTBURG ENGNG. CO., 57 W Jackson blvd, Chicago, Ill.

Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

12399a— Rheostats (Radio)

Acme Apparatus Co., 186 Mass. av, Cambridge, Mass.

Adams Morgan Co. ("Paragon"), Upper Montclair, New Jersey

Air-Way Elec. Appliance Corp., 618 B'way, Toledo, O.

Ajax Electric Co. ("Ajax"), Palmer, Cambridge, Mass.

Allen Bradley Co. ("Bradleystat" & "Bradleyometer"), 286 Greenfield av, Milwaukee, Wis.

Am. Radio & Research Corp. ("Amrad"), 203 College av, Medford Hillside, Mass.

Am. Radio Sales & Service Co. ("Atlas"), Mansfield, O.

Andrae F.-A. Frank A. D. ("Fada"), 1882 Jerome, New York

Atwater Kent Mfg. Co. ("Atwater Kent"), 4937 Stenton av, Philadelphia, Pa.

Barnes The Wallace Co., Bristol, Conn.
See adv index at end of book

Bliss R. W. Co., Atlantic, Mass.

Bunnell J. H. & Co., 32 Park pl, New York

Cardwell Allen D. Mfg. Co., 81 Prospect, Brooklyn, N. Y.

CARTER RADIO CO., 209 S State, Chicago, Ill.

Clapp-Eastham Co., 139 Main, Cambridge, Mass.

Colburn Gear & Mfg. Co., 1 Woodworth, Dorchester, Boston, 22, Mass.

Conn. Tel. & Elec. Co., Meriden, Conn.

Crocker-Wheeler Co., Ampere, N. J.

Crosley Mfg. Co. ("Crosley"), Cincinnati, Ohio

Cutler-Hammer Mfg. Co., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book

De Forest Radio Tel. & Telgr. Co., 1415 Franklin, Jersey City, N. J.

Doron Bros. Elec. Co., 325 North B, Hamilton, O.

Duck Wm. B. (Battery), 224 Superior, Toledo, O.

Electric Machine Co., Pratt & Meridian, Indianapolis, Ind.

Electric Service Supplies Co., 17th & Cambria, Phila., Pa.

Freed-Eisemann Radio Corp. ("F-E"), 251 Fourth av, New York

General Apparatus Co., 88 Park, New York

General Radio Co., Mass. av & Windsor, Cambridge, Mass

Grebe A. H. & Co., Inc., 70 Van Wyck blvd, Jamaica, N. Y.

Horne Mfg. Co. ("Horne"), 243 Mercer, Jersey City, N. J.

HOWARD RADIO CO. INC., 451-469 E Ohio, Chicago, Ill.
See adv index at end of book

Joy & Kelsey, 4021 W Kinzie, Chicago, Ill.

Keystone Radio Co., Greenville, Pa.

Kilbourne & Clark Mfg. Co. ("K&C"), 101 Spokane, Seattle, Wash.

King Radio Co., Century bldg, Pittsburgh, Pa.

Klosner Improved Apparatus Co. ("Klosner"), 2404 Crotona av, New York

Marshall-Gerken Co. ("Thoroughbred"), 27 Ontario, Toledo, O.

Murdock Wm. J., Everett av & Carter, Chelsea, Mass.

National Radio Co., Marshall, Minn.

Newman Stern Co., E 12th & Walnut, Cleveland, O.

Pacent Electric Co., 22 Park pl, New York

Parkin Mfg. Co., Grand av, San Rafael, Calif.

Precision Equipment Co., B. & O R. R. & Blue Rock N S, Cincinnati, O.

Quality Radio Shop, Richmond, Ind.

Radio Corp. of America, 60 Broad, New York

Radio & Scientific Apparatus Co. ("Rasac Clearstone"), 616 Mission, San Francisco, Calif.

Radio Service & Mfg. Co., 110 W 40th, New York

Remler Radio Mfg. Co. (Battery), 248 1st, San Francisco, Calif.

Seiss Mfg. Co., Phillips av & N. Y. C. R. R., Toledo, O.

Ship Owners Radio Service (Dirs.), 80 Washington, New York

Signal Elec. Mfg. Co., Menominee, Mich.

Snow Albert E. & Co., 252 B'way, New York

Tesco Radio Co., Boston, Mass.

Waterbury Button Corp., 831 S Main, Waterbury, Conn.
See adv index at end of book

Westinghouse Elec. & Mfg. Co., E Pittsburgh, Pa. *See adv index at end of book*

Wilcox Laboratories, 2208 E Michigan av, Lansing, Mich.

Wireless Improvement Co., 66 York, Jersey City, N. J.

Wireless Shop, 1262 W 2nd, Los Angeles, Calif.

WorkRite Mfg. Co., 1812 E 30th, Cleveland, O.

Wright H. Earl Co., 131 8th, San Francisco, Cal.

12400—Rheostats (Stage Dimming)

Allen-Bradley Co., 495 Clinton, Milwaukee, Wis.

Cutler-Hammer Mfg. Co., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book

Universal Electric Stage Lighting Co. Inc. (Kliegl Bro.), ("Kliegl"), 321 W 50th, New York

Ward Leonard Electric Co., Mt.. Vernon, N. Y.

Westburg Engng. Co. (Inc.), 53 W Jackson blvd, Chicago, Ill.

12401— Rhodium

Baker & Co., 54 Austin, Newark, N. J.

Bishop J. & Co., Platinum Works, Malvern, Pa.

Foote Mineral Co., Inc., Phila., Pa.

12402—Ribbon Cutting Machines

Artos Engineering Co., 306 Milwaukee, Milwaukee, Wis.

12402a—Ribbon (Resisting Nickel & Nickel Alloy)

Electrical Alloy Co. ("Lucero"), Morristown, N. J.

Steel Sales Corp., 129 S Jefferson, Chicago, Ill.

12403— Ribbon (Sash)

Caldwell Mfg. Co. ("Acme" Aluminum, Brass Bronze & Steel), Rochester, N. Y.

12404-5— Rice Mills

ARKANSAS.

CARLISLE—Carlisle Rice Mill Co.

DE WITTE—We Witt Rice Mill Co.

LONOKE—Lonoke Rice Mill Co.

STUTTGART—Stuttgart Rice Mill Co.

CALIFORNIA.

COLUSA—Rosenberg Bros. & Co.

GUDLEY—Rosenberg Bros. & Co.

SACRAMENTO—National Rice Mills

SAN FRANCISCO—Brandenstein M. J. & Co., 665 3rd

Dupont Carleton & Co., 24 Bluxone

Grosjean C. E. Rice Milling Co., 3230 20th

Growers Rice Milling Co., 465 California

Rosenberg Bros. & Co., 334 California

Union Rice Mills, 707 Battery

LOUISIANA.

ABBEVILLE—Steen Rice & Cotton Mill Co.

United Irrigation & Rice Milling Co. (See New Orleans)

CROWLEY—American Rice Milling Co.

Louisiana State Rice Milling Co.

Standard Rice Co., Inc.

ESTERWOOD—United Irrigation & Rice Milling Co. (See New Orleans, La.)

GUEYDAM—United Irrigation & Rice Milling Co. (See New Orleans, La.)

IOTA—La. State Rice Milling Co. (See New Orleans, La.)

LAKE ARTHUR—La. State Rice Milling Co. (See New Orleans, La.)

LAKE CHARLES—Lake Charles Rice Milling Co. (of Louisiana)

Wall Rice Packing Co. Ltd. (See New Orleans, La.)

NEW ORLEANS—Empire Rice Milling Co., Ltd., 1676 Tchoupitoulas

La. State Rice Milling Co., Montegut & Chartress. Works: Lake Arthur, La.

Rickert's Rice Mills, 210 Girod

Socola Rice Milling Co., 600 Decatur

Southern Rice Milling Co., 325 N Peters

SOUTH CAROLINA.

CHARLESTON—West Point Mill Co.

TENNESSEE.

MEMPHIS—Memphis Rice Mill, New S Memphis

(Continued on following page)

Rice Mills—Continued

TEXAS.

BAY CITY—Bay City Rice Milling Co.
BEAUMONT—Atlantic Rice Mills Co.
Beaumont Rice Mills
McFaddin Rice Milling Co.
EAGLE LAKE—International Rice Mills Co.
GALVESTON—Seaboard Rice Milling Co.
HOUSTON—Industrial Rice Mill Co.
Pritchard Rice Milling Co.
Texas State Rice Milling Co.
ORANGE—Orange Rice Mill Co.

12406—Rice Shoes (Brewers')

Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.

Rickerts (Hay)

See Rakes, Sweep, etc.

12407— Riddles (Foundry)

See also Riddles & Sieves

Berkshire Mfg. Co. ("Berkshire" Rotary), Whitney Power bldg, Cleveland, O.
Buckeye Products Co., Inc. ("Buckeye"), 915-917 W 5th, Cincinnati, Ohio
See adv index at end of book
BUFFALO WIRE WORKS CO., 453 Terrace, Buffalo, N. Y.
See adv index at end of book
Champion Foundry & Machine Co., ("Champion" Electric Sand), 3018 W 21st pl, Chicago, Ill.
Combined Supply & Equipment Co., 766-772 Grant av, Buffalo, N. Y.
DARBY EDW. J. & SON, 319 Vine, Phila., Pa. *See adv index at end of book*
Federal Foundry Supply Co., 2639 E 79th, Cleveland, O.
Great Western Mfg. Co. ("Combs" Gyratory), Leavenworth, Kans.
Hall-Holmes Mfg. Co. ("Grand"), Jackson, Mich.
Hanna Engineering Works ("Hanna"), 1764 Elston av, Chicago, Ill.
Jelliff C. O. Mfg. Corp., Box 68, Southport, Conn.
Ludlow-Saylor Wire Co., 600-640 S Newstead av, St. Louis, Mo.
See adv index at end of book
Morss & Whyte Co., Sidney & Pilgrim, Cambridge, Mass.
Newark Wire Cloth Co., 357-371 Verona av, Newark, N. J.
Obermayer S. Co., 2563 W 18th, Chicago, Ill.
Paxson J. W. Co., Dept. H, Nicetown Lane & D, Phila., Pa.
SMITH F. P. WIRE & IRON WORKS, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Smith John P. & Co., New Haven, Conn.
Stevens Frederic B., Inc., 3rd & Larned, Detroit, Mich.
See adv index at end of book
Taylor & Dean, Penn av & 25th, Pittsburgh, Pa.
TYLER W. S. CO., Cleveland, O.
See adv index at end of book
Waterbury Welding Co. ("A I C"), Waterbury, Conn.
Woodison E. J. Co., 1621 St. Aubin, Detroit, Mich.
Worthington Pump & Machy. Corp., 115 Broadway, New York

12408— Riddles (Miners')

Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y. *See adv index at end of book*
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Ludlow-Saylor Wire Co. (Coal), 600-640 S Newstead av, St. Louis, Mo.
See adv index at end of book
TYLER W. S. CO., Cleveland, O.
See adv index at end of book

12409— Riddles & Sieves

Brand S. H. Co. (Nickel Plate), 559 W Lake, Chicago, Ill.
Buckeye Products Co., Inc. ("Buckeye"), 915-917 W 5th, Cincinnati, Ohio
See adv index at end of book
Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y. *See adv index at end of book*
DARBY EDW. J. & SON ("Pennsylvania" Heavy Duty Riddles and Sieves for Mines, Mills, and Foundries. Steel, Galvanized, Brass and Copper—Wood or Metal Rim), 319 Vine, Phila., Pa.
See adv index at end of book
Dufur & Co., 311 N Howard, Baltimore, Md.
Erdle Perforating Co., 171 York, Rochester, N. Y. *See adv index at end of book*
Estey Wire Works Co., 34 Cliff, New York
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Howard & Morse, 45 Fulton, New York
Jelliff C. O. Mfg. Corp., Box 68, Southport, Conn.
Kraft A. C., 323 W Lake, Chicago, Ill.
LUDLOW-SAYLOR WIRE CO. (Wire Riddles), 600-640 S Newstead av, St. Louis, Mo. *See adv index at end of book*
Meyers Fred J. Mfg. Co., Hamilton, O.
Morss & Whyte Co., Sidney & Pilgrim, Cambridge, Mass.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, Ohio
Phoenix Wire Works, Kirby & Dequindre, Detroit, Mich.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Taylor & Dean, Penn av & 25th, Pittsburgh, Pa.
Tessmer Mach. & Tool Co. (Sand Electric), 1425 Rivard, Detroit, Mich.
Tristram Jas. J., Rockville Centre, N. Y.
TYLER W. S. CO., Cleveland, O.
See adv index at end of book
Wickwire Spencer Steel Corp. ("Excelsior" Steel Brass, etc.), 41 E 42nd, New York *See adv index at end of book*

12410—Ridge Roll (Plain or Corrugated)

Berger Mfg. Co. (Also Ornamental), 1038 Belden av, N E, Canton, O.
Canton Art Metal Co., Canton, O.
Conner Chas. H. & Co., Louisville, Ky.
Decatur Cornice & Roofing Co., New Decatur, Ala.
Dowman-Dozier Mfg. Co., Atlanta, Ga.
Florida Metal Products Co., Jacksonville, Fla.
Gedge Bros. Iron Roofing Co., Anderson, Ind.
Globe Iron Roofing & Corrugating Co., Newport, Ky.
Holzer R. G. (Est. of), 817 Burgundy, New Orleans, La.
Kanneberg Roofing & Ceiling Co., Canton, O.
Klauer Mfg. Co., Dubuque, Ia.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Lupton's David Sons Co., Allegheny av & Tulip, Phila., Pa.
See adv at Shelving Steel
Lyon Conklin & Co., Inc. (Plain), Race & McComas, Baltimore, Md.
Messenger Parks Mfg. Co., Aurora, Ill.
New Orleans Roofing & Metal Co. ("Nola"), Cortez & Orleans, New Orleans, La.
Newport Rolling Mill Co., Newport, Ky.
Nichols Wire & Sheet Co., 21st & Baltimore, Kansas City, Mo.
Ohio Corrugating Co., Warren, O.
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Pacific Stove & Stamping Co., Idaho & Duwanish av, Seattle, Wash.
Reeves Mfg. Co., Dover, O.
Tiffin Art Metal Co., 20 Broad, Tiffin, O.
Trumbull Steel Co., Warren, O.
Wheeling Corrugating Co., Wheeling, W. Va
York Corrugating Co., York, Pa.

12411—Ridgers (Asparagus)

Bateman Mfg. Co. ("Iron Age" Riding), Grenloch, N. J.

12412— Rifflers

See Also File & Rasp Mfrs.

Disston Henry & Sons, Tacony, Phila., Pa.
Dixon Wm., 119 Fulton, New York
Montgomery & Co. ("Grobet," Imp.), 64 Reade, New York

12413— Rifles (Air)

Benjamin Air Rifle Mfg. Co. ("Benjamin"), 613 N B'way, St. Louis, Mo.
Daisy Mfg. Co. ("Daisy"), Plymouth, Mich.
Jenkins Bros., 80 White, New York
See adv index at end of book
Kohler Die & Specialty Co., De Kalb, Ill.
Markham Air Rifle Co. ("King"), Plymouth, Mich.
Quackenbush H. M., Herkimer, N. Y.

12413a—Rifles (Automatic Toy)

EDWARDS MFG. CO. (Repeating Paper Cap), 545-565 Eggleston av, Cincinnati, O. *See adv index at end of book*

12413b— Rifles (Dummy)

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

12414— Rifles, Guns, Etc.

Ames Sword Co. ("Protector" Revolvers), Chicopee, Mass.
Baker Gun & Forging Co., Batavia, N. Y.
Bay City Forge Co., 1820 Cranberry, Erie, Pa.
Butler Mfg. Co., Indianapolis, Ind.
Colt's Pateent Fire Arms Mfg. Co. (Automatic Pistols, Rapid Fire Machine Guns & "Bene-Mercier" Rifles), 17 Vandyke av, Hartford, Conn.
Crescent Fire Arms Co. (Single & Double Barrel Shot Guns), Norwich, Conn.
Davis-Warner Arms Co. ("Davis" Shot Guns), 96 Chambers, New York
Detroit Auto Piston Co., 285 W Baltimore, Detroit Mich.
Driggs Ordnance & Mfg. Corp. (Rapid Fire Machine Guns), New Havene, Conn.
Folsom H. & D. Arms Co. (Shot Guns, Rifles, etc.), 314 B'way, New York
Fox A. H. Gun Co. ("Fox Proof" Guns), 4700 N 18th, Phila., Pa.
General Ordnance Co. (Aeroplane), Derby, Conn.
Hamilton C. J. & Son (22 Powder Guns), Plymouth, Mich.
Harrington & Richardson Arms Co. (Guns & Pistols), 320 Park av, Worcester, Mass.
Hopkins & Allen Arms Co. (Br. of Marlin-Rockwell Corp.) (Revolvers, Rifles & Shot Guns), Norwich, Conn.
Hunter Arms Co. ("L. C. Smith," "Smith," "Fulton" Shot Guns, Hammerless & Hammer Breech Loading Guns), 50 Church, New York
Ithaca Gun Co. ("Ithaca" Hammer & Hammerless Double Shot Guns), Ithaca, N. Y.
Johnson's Iver, Arms & Cycle Works, Fitchburg, Mass.
Marble Arms & Mfg. Co. ("Marble's" Game Getter), Gladstone, Mich.
Marlin Firearms Corp. ("Marlin"), 85 Willow, New Haven, Conn.
New England Westinghouse Co., Chicopee, Mass.
Pacific Arms Corp. ("Pacific Arms"), 948 Market, San Francisco, Cal.
Panzer H. J. & Co., 99 John, New York
Parker Bros. ("Parker" Shot Guns), Meriden, Conn.
Parker Chas. Co. ("Parker Bros." Shot Guns), Dept. H, Meriden, Conn.
Remington Arms Co. Inc. ("Remington"), 25 B'way, New York
Savage Arms Corp. (Also Mfrs. "Lewis" Machine Guns & "Savage" Automatic Pistol), Utica, N. Y.
Sedgley R. F., 2311 N 16th, Phila., Pa.
Stevens J. Arms Co. (Rifles, Pistols, Shot Guns, etc.), Chicopee Falls, Mass.
Winchester Repeating Arms Co. ("Winchester"), 275 Winchester, New Haven, Conn.

12415— Rifles (Scythe)

Emmons E. G., West Morris, Conn.

12416—Rig Irons (Oil & Gas Well)

Bakersfield Iron Works, 24th & M, Bakersfield, Cal.
Chrisman Foundry Co., Morgantown, W. Va.
Herron R. H. Co., 934 N Almeda, Los Angeles, Cal.
Keystone Driller Co., Beaver Falls, Pa.
See adv index at end of book
Keystone Iron & Steel Wks. ("Ross" Bull & Calf Wheels), 37th & Santa Fe av, Los Angeles, Cal.
Marion Machine Foundry & Supply Co., Marion, Ind.
National Iron Works, Ft. 7th, San Diego, Cal.
National Supply Co., Union Bank bldg, Pittsburgh, Pa.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Okell Well Machinery Co., 151 N Los Angeles, Los Angeles, Cal.
Parkersburg Rig & Reel Co., Parkersburg, W. Va.
Union Tool Co. ("Ideal"), H Union Oil bldg, Torrance, Cal.

12416a— Rigging (Ship)

Am. Steel & Wire Co. (Guy Ropes), 208 S La Salle, Chicago, Ill.
See adv index at end of book
Crook H. E. Co., 28 Light, Baltimore, Md.
Durable Wire Rope Co., 93 Pearl, Boston, Mass.
Goss J. C. Co. (Yachts), 3 E Woodbridge, Detroit, Mich.
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
Williams & Wells Co., 253 Fulton, New York. *See adv index at end of book*

12417— Rims (Automobile)

American Tube & Stamping Co. (Cylinder, etc.), Bridgeport, Conn.
Canton Rim Co. ("Kanton"), Dept. H, Louisville, O.
Eberly & Orris Mfg. Co., Mechanicsburg, Pa.
Eureka Bending & Wheel Works, York, Pa.
Firestone Steel Products Co., South Akron, Ohio
Firestone Tube & Rubber Co. ("Firestone" Automobile Truck), Akron, O.
General Rim Co., St. Mary's, Pa.
Graham Thos. & Co. (Hickory & Oak), Madison, Ind.
Hinkel J. K. Mfg. Co., Mechanicsburg, Pa.
Jaxon Steel Products Corp., Horton, Jackson, Mich.
K. & C. Mfg. Co. (Wood), Henniker, N. H.
Kirke & Blum Mfg. Co., 2850 Spring Grove av, Cincinnati, O.
Lebzelter P. & Son Co. (Hickory, Oak & Ash), Lancaster, Pa.
Michelin Tire Co., Milltown, N. J.
Minton T. W. & Son, Barbourville, Ky.
Mott Wheel Works, Jackson, Mich.
Mull Woodwork Co., Sidney, O.
National Collapsible Rim Corp. ("National"), 152 W 42nd, New York
Smith Erwin & Co., York, Pa.
Standard Wheel Co., Terre Haute, Ind.
Weston-Mott Co., Flint, Mich.
Williams Steel Wheel & Rim Co., Utica, N. Y.

12418—Rims (Bicycle & Motor Cycle)

American Wood Rim Co. ("Lobdell" Wood Rim), Onaway, Mich.
Mull Woodwork Co., Sidney, O.
Williams Steel Wheel & Rim Co., Utica, N. Y.

12419— Rims (Mirror)

National Sheet Metal Co. ("Nicolene"), Peru, Ill.

12420—Rims (Motor Truck)

Canton Rim Co., Dept. H, Louisville, O.
Mansfield Steel Corp., 288 E Milwaukee av, Detroit, Mich.

12421—Rims (Sieve & Riddle)

Beverstock O. D. Co., Keene, N. H.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Michigan Bent Rim & Basket Mfg. Co., Lowell, Mich.

12422— Rims (Wood)

For Bicycle, Motor Cycles, Aeroplanes, etc.
American Wood Rim Co., Onaway, Mich.
La Pierre H. M. Co. ("Dudie"), 1314 W 21st, Chicago, Ill.
Moul Mfg. Co., Hanover, Pa.
Mull Woodwork Co., Sidney, O.
Rastetter Louis & Sons (Bicycle & Auto Steering Wheels), Ft. Wayne, Ind.

12423—Rims & Felloes (Carriage & Wagon Wheel)

Abeles & Taussig Lumber & Tie Co. (White oak & cypress poles), Commercial bldg, St. Louis, Mo.
Ames Bending Co., Celina, O.
Avoca Wheel Co., Avoca, N. Y.
Baltimore Hub-Wheel Mfg. Co., Fallsway & Gay, Baltimore, Md.
Breece Mfg. Co., Portsmouth, O.
Browne J. A. & Co., North Manchester, Ind.
Campbell & Dann Mfg. Co. (& Automobile), Tullahoma, Tenn.
Campbell M. R., Tullahoma, Tenn.
Carrier Lumber & Mfg. Co., Sardis, Miss.
Chancellor S. D., Wilmington, O.
Coopersburg Bending Works, Coopersburg, Pa.
Crane & MacMahon, Inc. ("Star"), St. Marys, Ohio
Dann Bros. & Co., New Haven, Conn.
Delphos Bending Co., Delphos, Ohio
Doles Edwin E., Greensburg, Ind.
Donges John & Co., Hamilton, O.
Eberly & Orris Mfg. Co., Mechanicsburg, Pa.
Empire Bending Works, Lancaster, Pa.
Eureka Bending & Wheel Works, York, Pa.
Fort Smith Rim & Bow Co., Fort Smith, Ark.
Fuss J. C., Kauffman, Pa.
Galloway Kennedy Co., Clarendon, Ark.
Gillette, E. A. & Sons, Charlestown, Boston, Mass.
Graham Thos. & Co., Madison, Ind.
Hanover Bending & Mfg. Co., Hanover, Pa.
Hartzell Geo. W., Dayton, O.
Heiser J. B. (Buggy), Atwater, O.
Hice Mfg. Co., Johnson City, Tenn.
Hinkel J. K. Mfg. Co. (Carriage, Truck & Auto), Mechanicsburg, Pa.
Holt Bros. Mfg. Co., Concord, N. H.
Hoopes Bro. & Darlington, West Chester, Pa.
Jones Phineas & Co., 305 Market, Newark, N. J.
K. & C. Mfg. Co., Henniker, N. H.
Kerr, L. S. D., Frenchtown, N. J.
Kohler F. F., South Zanesville, O.
Koller J. B. & Co., Mechanicsburg, Pa.
Lamb-Fish Lumber Co., Charleston, Miss.
Lebzelter Philip & Son Co., Lancaster, Pa.
Leippe's Jacob A. Sons, Reading, Pa.
Look & Lincoln, Marion, Va.
Manchester Mfg. Co., Manchester, Tenn.
Medina Bending Works, Medina, O.
Ness Bros. & Co., York, Pa.
Ohio Spoke & Bending Co., Botkins, O.
Petersburg Rim & Veneer Co., Petersburg, Va.
Phipps J. H. Lumber Co., Fayetteville, Ark.
Pioneer Pole & Shaft Co., Piqua, O.
Shepard H. G. & Sons, James & River, New Haven, Conn.
Silgo Iron Stove Co., 6th & O'Fallon, St. Louis, Me.
Smith, Ervin & Co., York, Pa.
Southern Wheel Stock Co., Ironton, O.
Standard Wheel Co., Terre Haute, Ind.
Stevens A. E. & Co., Portland, Me.
Syze J. F., Yorktown Heights, N. Y.
Turnbull Motor Truck & Wagon Co. (Wagon Wheels), Defiance, O.
Union Bending Works, Collins, O.
Union Spoke & Bending Co., Union City, Ind.
Vehicle Supply Co., Cairo, Ill.
Von Behren Mfg. Co., Evansville, Ind.
West Falmouth Mfg. Co., West Falmouth, Me.
Wheel & Wood Bending Co., 241 John, Bridgeport, Conn.
Winchester Lumber Co., Winchester, O.

12424—Rims & Rings (Pan Grinder)

Railway Steel Spring Co. ("Muller"), 30 Church, New York

12425— Ringers (Bell)

Beacon Rectifier, Inc. (For Operating Signalling Systems from Alternating or Direct Current), Hyde Park, Mass.
Westinghouse Elec. & Mfg. Co., E Pittsburgh, Pa. *See adv index at end of book*

12426— Ringers (Fire Bell)

Gamewell Fire Alarm Telegraph Co., Newton Upper Falls, Mass.
Walsh Safety Lock Snap Co. ("O'Brien," Foot Power, for Fire Apparatus), Bellevue, O.

12427-8— Ringers (Hog)

See also Rings, Hog & Bull

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Decker Mfg. Co. ("Hill's," "Brown's"), Keokuk, Ia.
Fischer & Flohr, Bucyrus, O.
Heesen Bros. Co. ("Wolverine"), Tecumseh, Mich.
Landers, Frary & Clark, New Britain, Conn.
Pratt Wm. E. Mfg. Co. ("Perfect"), 35 W Lake, Chicago, Ill.
Smith F. P. & Co. ("Hill," "Blair"), Sharon Hill, Pa.
Stearns E. C. & Co. ("Stearns" Perfect Pat'n), 450 Oneida, Syracuse, N. Y.
Williams A. C. Co., Ravenna, O.

12429—Rings (Air Brake)

Johns-Manville, Inc. (Expander), Madison av & 41st, New York

12430-1— Rings (Arcing)

Locke Insulator Mfg. Co. ("Nicholson"), Victor, N. Y.

12432— Rings (Band)

Grabler Mfg. Co., Cleveland, O.

12433—Rings (Beer Keg Washer)

Gutta Percha & Rubber Mfg. Co., 350 Madison av, New York

12434—Rings (Beetle Post, Etc.)

Columbus Anvil & Forging Co., Columbus, Ohio
Martin Sam'l Co., 81 Adams, B'klyn, N. Y.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.

12435-6— Rings (Binder)

Heinn Co. ("Badger"), 354 Florida, Milwaukee, Wis.
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book
STIMPSON EDWIN B. CO. ("D," Oblong, Rectangular, Square, etc.), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

12437— Rings (Brass)

AM. MANGANESE BRONZE CO. (Centrifugally Cast), 3501 Rhawn, Phila., Pa.
American Ring Co., Waterbury, Conn.
Bridgeport Brass Co., Dept. H, E Main, Bridgeport, Conn.
HENDRYX A. B. CO., 86 Audubon, New Haven, Conn.
See adv index at end of book
Laughlin Thos. Co., 135 Fore, Portland, Me.
See adv index at end of book
STIMPSON EDWIN B. CO. (Round, Brazed & Hollow), 852 Kent av, Brooklyn, N. Y. *See adv index at end of book*
Turner & Seymour Mfg. Co., Torrington, Conn.
U. S. Indestructible Gasket Co. (Also Copper), 831 E 15th, Brooklyn, N. Y.
See adv index at end of book
Waterbury Button Corp., 831 South Main, Waterbury, Conn.
See adv index at end of book

Rings (Breeching)

See Rings, Harness

12438— Rings (Bridle)

Brooks M. S. & Sons, Chester, Conn.
Carroll Chain Co., Columbus, O.
See adv index at end of book
Chicago Expansion Bolt Co. ("Chicago"), 5 S Clinton, Chicago, Ill.
DIAMOND EXPANSION BOLT CO. ("Standard" & "D-X"), 89 West, New York *See adv index at end of book*
Hubbard & Co., German Bank bldg, Pittsburgh, Pa.
Judd H. L. & Co., 87 Chambers, New York
Parker Wire Goods Co. (Or Distributing), Worcester, Mass.
Petingell-Andrews Co., 511 Atlantic, Boston, Mass.
Star Expansion Bolt Co., 147 Cedar, New York

Rings (Carbon Packing)

See Carbon Mfrs.

12439-40—Rings (Chemical)

See also Stoneware Chemical

Laclede-Christy Clay Products Co., Railway Ex. bldg, St. Louis, Mo.

12441— Rings (Clinch)

Eberhard Mfg. Co., C. & P. Ry & Tennyson rd, Cleveland, O
Fisher C. W., 52F, Broadway, New York
Galbraith C. C Sons, 117H West, New York
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Laughlin Thos. Co., 135 Fore, Portland, Me.
See adv index at end of book
Malleable Iron Fittings Co. ("M. I. F. Co."), Branford, Conn.
Marine Hardware & Equipment Co., S Portland, Me.
Neptune Hardware Mfg. Co., 80 Warren, New York
Rhode Island Tool Co., Providence, R. I.
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
Starke Adolph (Est. of), Dept. H, Columbia & Signourney, Brooklyn, N. Y.
Wilcox, Crittenden & Co. (Wrought & Malleable), 444 S Main, Middletown, Conn. *See adv index at end of book*

12442—Rings (Commutator)

Chicago Mica Co. (Mica V & Special Shapes), Campbell, Valparaiso, Ind.
See adv index at end of book
Continental Fibre Co. (Fibre), Newark, Del.
Electric Service Co. ("Formica")', 12th & Madison, Cincinnati, O.
Hemming Mfg. Co., Garfield, N. J.

12442a—Rings (Concentric)

INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall, New York.
(See insert under Monel Metal)
See adv index at end of book

12443— Rings (Crusher)

Standard Steel Works Co., Morris bldg, Phila., Pa.

12444—Rings (Curtain & Drapery Pole)

American Ring Co., Waterbury, Conn.
Berbecker & Rowland Mfg. Co. (Brass Curtain Fixtures), Waterville, Conn.
Bogert & Hopper, Inc., 57 Barclay, New clay, New York
See adv index at end of book
Estes E. B. & Sons (Wood), 364 5th av, New York. *See adv index at end of book*
Hobbs Mfg. Co., 26 Salisbury, Worcester, Mass.
Judd H. L. Co., 87 Chambers, New York
Parker Wire Goods Co. (Brass), Worcester, Mass.
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Toledo-Reynolds Mfg. Co., West Toledo, O.
Turner & Seymour Mfg. Co. (Brass), Torrington, Conn.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

12445— Rings (Distributing)

Hallett Iron Works ("Hallett" Pole), Harvey, Ill.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.

12446—Rings (Electric Lamp Socket)

Bryant Electric Co., 1421 State, Bridgeport, Conn.
Goodrich B. F. Co. (Rubber), Akron, O.
Hemming Mfg. Co., Garfield, N. J.
International Insulating Corp., 25 W 45th, New York
Waterbury Mfg. Co., Division Chase Companies, Inc., Waterbury, Conn.

12446a—*Rings (Embroidery)

Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

12447— Rings (Filter Press)

Bethlehem Shipbuilding Corp. Ltd., Dept. H., Broadhurst & Parker av, Bethleham, Pa.
Moore S. L. & Sons, Elizabeth, N. J.

12448— Rings (Flush)

Brass Goods Mfg. Co. (Cast Brass), 345 Eldert, Brooklyn, N. Y.
Corbin P. & F. ("Corbin"), Dept. H, New Britain, Conn.
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Peck, Stow & Wilcox Co. (Cast Brass), Southington, Conn.
Reading Hardware Co. (Cast Brass), Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co. (Cast Brass & Bronze), New Haven, Conn.
Stanley Works (Drawer), New Britain, Conn. *See adv index at end of book*

Rings (Fruit Jar)

See Rubbers, Fruit Jar

12449-50—Rings (Furnace Casing)

XXth Century Htg. & Ventg. Co., Akron, Ohio
Walworth Run Foundry Co. ("Never-Break," Steel), 2488 W 27th, Cleveland, Ohio

12451— Rings (Grommet)

Grammes L. F. & Sons, Allentown, Pa.
Laughlin Thos. Co., 135 Fore, Portland, Me.
Marine Hardware Equipment Co. ("Acme" & "Merco"), South Portland, Me.
Read A. P. Co., 568 W Washington, Chicago, Ill.
STIMPSON EDWIN B. CO., 852 Kent av, Brooklyn, N. Y. *See adv index at end of book*
Wilcox, Crittenden & Co., Inc. (Malleable Iron Galvanized), 444 S Main, Middletown, Conn. *See adv index at end of book*

12452—Rings (Gymnasium)

Auer John, Jr. (Wrought), 197 Middleton, Brooklyn, N. Y.
Bogert & Hopper Inc., 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Wilcox Crittenden & Co. Inc., 444 S Main, Middletown, Conn. *See adv index at end of book*

12452a— Rings (Harness)

Bogert & Hopper Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Carroll Chain Co., 265H Hosack, Columbus, O. *See adv index at end of book*
Elbel Co. Canton, O.
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Fitchener-Diehl Co., 1844-48 W Austin av, Chicago, Ill.

12453—Rings (Harness, Bone)

Kyoto Mfg. & Trading Co., 31 E 17th, New York

12454—Rings (Harness, Composition)

Duranoid Mfg. Co., 213 Chestnut, Newark, N. J.
North & Judd Mfg. Co. ("Anchor Brand"), New Britain, Conn
Rogers & Hubbard Co. Middletown, Conn.

12455—Rings (Harness, Iron)

American Mfg. Co., Chestnut & Water, Chattanooga, Tenn.
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Covert Saddlery Works, Interlaken, N. Y.
Hobbs Mfg. Co., 26 Salisbury, Worcester, Mass.
North & Judd Mfg. Co. ("Anchor Brand," Iron, Steel & Brass), New Britain, Conn.
Sargent & Co., New Haven, Conn.

12456—Rings (Harness, Rubber)

Rubber & Celluloid Products, 56 Ferry, Newark, N. J.

12457— Rings (Hatch)

Superior Iron Works Co., Superior, Wis.

12458— Rings (Hinge)

Grabler Mfg. Co. (Extension, etc), Cleveland, O.

12459— Rings (Hitching)

Auer Jno. Jr. (Wrought), 197 Middleton, Brooklyn, N. Y.
Brewer Bros. Co. (Wrought, Screw, Drill or Lead, etc), 2743 N 2nd, Phila., Pa.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Jencks E. Mfg. Co. (Wrought), 28 Union, Worcester, Mass.
Landers, Frary & Clark, New Britain, Conn.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Parker Wire Goods Co. (Also on Plate & with Bolt & Nut), Worcester, Mass.
Peck, Stow & Wilcox Co. (Wrought), Southington, Conn.
Sargent & Co. (Wrought), New Haven, Conn.
Swett A. L. Iron Works, Medina, N. Y.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Washburn Company (Wire Goods Div.) (Wrought), 28 Union, Worcester, Mass.

12460— Rings (Hog & Bull)

See also Ringers, Hog

Chambers, Baring Quinlan Co. ("Browns"), Decatur, Ill.
Decker Mfg. Co. ("New Idea" Self-Piercing), Keokuk, Ia.
Fischer & Flohr, Bucyrus, O.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Heesen Bros. Co. ("Hills," "Blair," "Major," "Wolverine" Hog), Tecumseh, Mich.
Landers, Frary & Clark (Copper Bull Only), New Britain, Conn.
Pratt Wm. E. Mfg. Co. ("Perfect," "Hill," "Blair," "Brown," "Major," "Wolverine," "Rea's" Self-Piercing Bull), 35 W Lake, Chicago, Ill.
Sargent & Co., New Haven, Conn.
Smith F. P. & Co. ("Hill," "Blair," Copper & Galvanized, Cast & Malleable Iron), Sharon Hill, Pa.
Smith Seymour & Son (Bull Only), Oakville, Conn.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

12460a— *Rings (Hoist)

Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

12461—Rings (Hollow Screw)

Berbecker & Rowland Mfg. Co. (Brass), Waterville, Conn.

12462— Rings (Key)

Boettiger Louis A. Co., 48 Leonard, New York
BRIDGEPORT CHAIN CO. ("Rex," "Security" Wire), 1000 Crescent av, Bridgeport, Conn. *See adv index at end of book*
Browne & Dowd Mfg. Co. ("Reliable" Puzzle, Clasp, "Joker"), Meriden, Conn.
Coe Mfg. Co. (Steel Ball Key Rings), 35 Warren, New York
Graham & Berwin (Imported), 451 Greenwich, New York
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Hammond E. L. & Son, Sayre, Pa.
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Matthews Jas. H. & Co. (Balls Split for Tool Checks), 3942 Forbes, Pittsburgh, Pa. *See adv index at end of book*
Morden Mfg. Corporation ("Morden Perfect"), Waterbury, Conn.
Niagara Falls Metal Stamping Works (Flexible, Split Steel), Niagara Falls, N. Y.
Smith & Egge Mfg. Co. (Chain & Ring), Bridgeport, Conn.
Snow & Petrelli Mfg. Co., 152 Broadway, New Haven, Conn.
Spaulding D. S. (Silver), Mansfield, Mass.
Vaughan Novelty Mfg. Co. ("Vaughan's Individual" Chain), 3209 Carroll av, Chicago, Ill.
Waterbury Button Corporation, 831 South Main, Waterbury, Conn. *See adv index at end of book*
Williamson C. T. Wire Novelty Co., Badger av, Newark, N. J.

12463— Rings (Lap)

Carroll Chain Co., 265H Hosack, Columbus, O. *See adv index at end of book*
Columbus Handle & Tool Co. (Lap Links & Rings), Columbus, Ind.

12464—Rings (Leather Shafting)

Chicago Rawhide Mfg. Co., The, 1307 Elston av, Chicago *See adv index at end of book*
Graton & Knight Mfg. Co. ("G. & K."), 244 Franklin, Worcester, Mass. *See adv index at end of book*

12465— Rings (Locker)

Jencks E. Mfg. Co., 28 Union, Worcester, Mass.
Laughlin Thos. C., 135 Fore, Portland, Me. *See adv index at end of book*
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

12467— Rings (Napkin)

Bogert & Hopper Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Celluloid Co., 36 Washington pl, New York
Estes E. B. & Sons (Wood), 364 5th av, New York *See adv index at end of book*
Hall Wilbur B. (Silver Plated), Meriden, Conn.

12468— *Rings (Neck Yoke)

Carroll Chain Co., 265H Hosack, Columbus, O. *See adv index at end of book*
Columbus-McKinnon Chain Co., Columbus, O. *See adv index at end of book*

12469— Rings (Net)

Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*

12470— Rings (Open)

Carroll Chain Co., 265H Hosack, Columbus, O. *See adv index at end of book*
Nilson-Miller Co. ("Flexo Hammered"), 50 13th, Hoboken, N. J.

Rings (Packing)

See Packing, Ring or Spiral

12471— Rings (Piston)

(Names with * also manufacture Monel Metal)

American Automotive Parts Co. ("Bessinger"), 707 Canal rd, Cleveland, O.
American Engine Aeroplane Co., 2869 W Pico, Los Angeles, Cal.
Am. Hammered Piston Ring Co., Bush & Hamburg, Baltimore, Md.
American Metal Parts Co. ("Precision"), 8 Decatur, Boston, Mass.
Auto Diesel Piston Ring Co. ("J. E. M." Wiper, "Megson" Piston), 163 Brewery, New Haven, Conn.
Auto Engine Works, University av & Griggs, St. Paul, Minn.
Automobile Construction & Engineering Co. ("Perfection"), 53 Lansdown, Phila., Pa.
Baker Valve Co., 1855 E 28th, Minneapolis, Minn.
Barker Jas. (Semi-Finished), Dept. H, 6th & Cayuga, Phila, Pa.
Blake Piston Ring Co. ("Blake" Yellow Metal), 1111 E Pike, Seattle, Wash.
Blettner Geo. H. Co., 1841 W Jackson blvd, Chicago, Ill.
Bonds Piston Ring Co., 444 23rd, Oakland, Cal.
Bridgeport Piston Ring Co., Third av, Bridgeport, Conn.
Brooks Piston Ring Co. ("Brooks"), 5430 St. Clair av, Cleveland, Ohio
Burd High-Compression Ring Co. ("Burd" High Compression), Rockford, Ill.
Butler Mfg. Co. ("Bu-nite"), 3234 W Washington, Indianapolis, Ind.
Capitol Foundry Co. (Vanadium Cast Iron), Hartford, Conn.
Chambersburg Engineering Co. (Hammers), Chambersburg, Pa.
Chance Co. ("Gas-Tite" & "D. O. S."), Centralia, Mo.
Clark Tool Works, Inc. ("20th Century"), Belmont, N. Y.
Cleveland Hammered Piston Ring Co. ("Cleveland"), 2108 Superior av, Cleveland, Ohio
Cohagan Patent Piston Ring Corp., 958 Cherokee, Denver, Colo.
Continental Piston Ring Co. ("Hi-Comp"), 276 Walnut, Memphis, Tenn.
Detroit Piston Ring Co., 7401 Richmond, Detroit, Mich.
*Dixon Forge & Supply Co., 3301 Penn av, Pittsburgh, Pa.
Double Seal Ring Co., 2335 S Michigan av Chicago, Ill.
Dubois Foundry Co. (Vanadium Iron), Cold Springs, N. Y.
Dubois Machine Co., 118 Hudson av, Albany, N. Y.
Dyer Co. ("Dyer"), 155 Brookline, Cambridge, Mass.
Eco Mfg. Co. "Eco Nuprocess" Eccentric, "Eco Numethod" Concentric & "Eco" Oil Control), 23 Wormwood, Boston, Mass.
Evarts Machine Co., 17 Francis av, Hartford, Conn.
Ever-Tyte Piston Ring Division, Walter A. Zelnicker Supply Co. ("Ever-Tyte"), St. Louis, Mo.
Everyday Piston Ring Co., Inc. ("Everyday"), East Rochester, N. Y.
Foster Merriam & Co. ("Bear Tite"), Meriden, Conn.
Frostholm Bros., 1009 S Clinton, Syracuse, N. Y.
Gill Mfg. Co. ("Gill"), 8300 S Chicago av, Chicago, Ill.
Goshen Specialty Mfg. Co. ("Z. E."), Goshen, Ind.
Green Engineering Co., Dayton, Ohio
Hangliter & Storrs ("H. & S."), 983 S Raymond av, Pasadena, Cal.
Harward Mfg. Co., 3939 Magnolia av, St. Louis, Mo.
Hastings Mfg. Co. ("Hastings"), 36 E Mill, Hastings, Mich.
Hebert Mfg. Co. ("Hebert"), Franklin, N. H.
Hewitt Co., H Railway Exchange bldg, Chicago, Ill.
Hill-Smith Metal Goods Co. ("H. S."), 82 Brokline av, Boston, Mass.
Hoess Bros., Hammond, Ind.
Hope Machine Co. ("Eclipse"), 2310 N. 2nd, Phila., Pa.
Horatt Jos. Mfg. Co. (Tight "Wad" for Ford Cars), 417 Ferry, Lafayette, Ind.
Houpert Machine Co., Harris av & Marion, Long Island City, N. Y.

Indiana Piston Ring Co. ("Perfection Circle," "Teeter" Compression & Oil Regulating), Hagerstown, Ind.
Inland Machine Works, 17th & Locust, St. Louis, Mo.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Interstate Foundry Co., E 61st & Erie R. R., Cleveland, O.
Johnston Piston & Ring Co., 514 E Pike, Seattle, Wash.
Keys Piston Ring Co. ("K-P"), 3049 Olive, St. Louis, Mo.
Krasberg Piston Ring Works, 117 N Jefferson, Chicago, Ill.
Leesberg Machine & Mfg. Co., Fostoria, Ohio
McCadden Machine Works ("McCadden" Leakless), St. Cloud, Minn.
McQuay-Morris Co. ("Leak-Proof," "Superoyl," "Jiffy Grip," "Snap"), Cooper & Southwest, St. Louis, Mo.
McQuay-Norris Mfg. Co. of Ind., Connersville, Ind.
*McWilliams & Sons, John, 934 West Side av, Jersey City, N. J.
Manufacturers' Foundry Co., Waterbury, Conn.
Marburg Bros., 90 West, New York
Martin Iron Wks., 1222 E 28th, Los Angeles, Cal.
Merritt S. W. Co. ("D.-I-E Cast" Iron), 699 W 133d, New York
Mid-West Piston Ring Co., 1309 Pine, St. Louis, Mo.
Miles Piston Ring Co. ("Miles" One-Piece Triple Seal), 1631 W 74th, Chicago, Ill.
Miller Engine & Foundry Works, ("Miller"), 2652 Long Beach av, Los Angeles, Cal.
Miller H. H. Industries Corp., Canton, O.
Morgan Mfg. Co., Inc., Keene, N. H.
Muncie Foundry & Machine Co. (Also for Cycle Cars), Muncie, Ind.
National Motor Castings Co., South Haven, Mich.
Nilson-Miller Co. ("Flexo Hammered"), 50 13th, Hoboken, N. J.
No-Leak-O Piston Ring Co., 824 W North av, Baltimore, Md.
Oil-Stopper Piston Ring Corp. ("Oil Stopper"), Muskegon, Mich.
P. R. Piston Ring Co., Eau Claire, Wis.
Panyard Machine & Mfg. Co., Beaubien, Mich.
Park Mfg. Co. ("Park" for Fords), 47H Lagrange, Worcester, Mass.
Peerless Piston Ring Mfg. Co., 3846 N Clark, Chicago, Ill.
Pennsylvania Piston Ring Co. ("Pepco"), 203 St. Clair av N E, Cleveland, O.
Piston Ring Co. ("Quality"), Muskegon, Mich.
Pondelick Piston Ring Co., Leavitt & Jackson blvd, Chicago, Ill.
Pressure Proof Piston Ring Co., Boston, Mass.
Reliance Foundry Co., Richmond, Ind.
Richmond Piston Ring Co., Richmond, Ind.
Ringleader Mfg. Co., Richmond, Ind.
St. Louis Piston Ring Corp. ("Tell-Tale" & "Kwik-Seat"), 1301 S 2nd, St. Louis, Mo.
Salt Wm. B. Mfg. Co., Aspinwall, Pa.
Schaap Co., 344 Cumberland, Brooklyn, N. Y.
Schmidt Chas. D. Co., 267 Canal, New York
Seal-Tite Piston Ring, Inc. ("Seal-Tite"), 1704 E Lake, Minneapolis, Minn.
Sheeler-Hemsher Co., (50-50 Castings), 811 Fairmont av, Phila., Pa.
Spacke Machine & Tool Co., Indianapolis, Ind.
Splitdorf Electrical Co. ("Munger"), 98 Warren, Newark, N. J.
Spyroseal Mfg. Co. ("Thermoseal"), 1926 Gravois av, St. Louis, Mo.
Standard Metal Goods Co. ("Hamilton"), 2080 E 30th, Cleveland, Ohio
Standard Piston Ring Co. ("Shurfit," "Thinwall"), 1306 Commonwealth av, Boston, Mas.
Sterling Products Corp. ("Sterling"), 2918 N Market, St. Louis, Mo.
Super Auto Products Co. ("Shur Seal"), 104 Olive, San Francisco, Cal.
Superior Piston Ring Co., Inc., 226 Bates, Detroit, Mich.
Tes-Tite Corp., Freeport, N. Y.
Trindl Co. ("Trindl"), Wabash av at 29th, Chicago, Ill.
Trump Mfg. Co., Crown Point, Ind.
Underwood H. B. & Co., 1025 Hamilton, Phila., Pa.
Underwood H. B. Corp., 1025 Hamilton, Phila., Pa.
Unico Motor Products Corp., 4969 St. Louis av, St. Louis, Mo.
United States Hammered Piston Ring Co., Irvington, N. J.
U. S. Piston Ring Co., 2108 Superior av, Cleveland, Ohio
Universal Machine Co., 501 E Preston, Baltimore, Md.
Universal Circular Gauge Co., (Oil Ring), 448 Larkin, San Francisco, Cal.
Vacuum Groove Piston Ring Corp., 3109 Adeline, Oakland, Cal.
Vapor Tight Ring Co., 1855 E 28th, Minneapolis, Minn.
Vulcan Auto Parts Co., 2126 Race, Phila., Pa
Valley City Welding & Mfg. Co. (Groove Tight), Valley City, N. Dak.
Wasson Piston Ring Co. ("Wasson"), Plainfield, N. J.
Waterbury Welding Co., Waterbury, Conn.
*Weldless Rolled Ring Co., 10022 Detroit av, Cleveland, Ohio
Welever Piston Ring Co. ("Wel-Ever"), 1713 Canton, Toledo, Ohio
White Machine Works ("Superior"), Eau Claire, Wis.
Wilcox Motor Parts & Mfg. Co., Saginaw, Mich.
Wilkening Mfg. Co. ("Pedrick True Fit"), 15th & Mt. Vernon, Phila., Pa.
Wilson Foundry & Machine Co., Pontiac, Mich.
Wisconsin Machinery & Mfg. Co., 51st & Burnham, Milwaukee, Wis.
Wood & Safford Mach. Wks., Great Falls, Mont.
Yale Piston Ring Co., Boonton, N. J.

12472—Rings (Plumbers' Testing)

Empire Tire & Rubber Corp., Trenton, N. J.

12473— Rings (Pole)

Bethlehem Steel Co., So Bethlehem, Pa.
Berbecker & Rowland Mfg. Co. (Brass), Waterville, Conn.
Bissell F. Co. ("Security"), Toledo, O.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
New England Bolt Co., Everett, Mass.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Strieby & Foote Co., 301 Ogden, Newark, N. J.
Turner & Seymour Mfg. Co., Torrington, Conn.

12474— Rings (Rubber)

See also Rubber Mfrs., Mechanical
Acme Rubber Mfg. Co. (Jar), Trenton, N. J.
Boston Belting Corp., 84 Linden Park, Boston, Mass.
Boston Woven Hose & Rubber Co., Cambridge, Mass.
Cincinnati Rubber Mfg. Co., Norwood, Cincinnati Ohio
See adv index at end of book
Combination Rubber Mfg. Co., Bloomfield, N. J.
Continental Rubber Works, Erie, Pa.
Davol Rubber Co. (Umbrella, etc), 69 Point, Providence, R. I.
Empire Tire & Rubber Corp., Trenton, N. J.
Goodrich B. F. Co., Akron, O.
Gutta Percha & Rubber Mfg., 350 Madison av, New York
Home Rubber Co. Trenton, N. J.
New York Belting & Packing Co., 91 Chambers, New York
New York Rubber Co., 291 Broadway, New York *See adv index at end of book*
Parker-Stearns & Co. (Umbrella, Invalid Teething, etc), 286 Sheffield av, Brooklyn, N. Y.
Pennsylvania Rubber Co. (For Unions, Pumps, Lubricators, Gauge Glass, Packing, etc), Jeannette, Pa.
Quaker City Rubber Co., 672 Market, Phila., Pa.
See adv index at end of book
Schacht Rubber Mfg. Co., Huntington, Ind.
Tyer Rubber Co. (Umbrella, Teething), Andover, Mass.
U. S. RUBBER CO. (For All Purposes), 1790 Broadway, New York
See adv index at end of book

12475— Rings (Screw)

American Ring Co., Waterbury, Conn.
Brooks M. S. & Sons (Brass), Chester, Conn.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Parker Wire Goods Co., Worcester, Mass.
Turner & Seymour Mfg. Co., Torrington, Conn.

12476—Rings (Shower Bath)

Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book

12477— Rings (Shutter)

Brooks M. S. & Sons, Chester, Conn.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Jencks E. Mfg. Co., 28 Union, Worcester, Mass.
Johnson John Co., 37th & 2nd av, Brooklyn, N. Y.
Parker Wire Goods Co. (Tinned Wire), Worcester, Mass.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

Rings (Socket)

See Rings, Electric Lamp Socket

12477a— Rings (Spiral)

Chemical Construction Co., Charlotte, N. C.

12477b— *Rings (Spring)

Fischer Chas. Spring Co., 240 Kent av, Brooklyn, N. Y.
Titchener-Diehl Co. (Automobile Lamp), 1844-48 W Austin av, Chicago, Ill.

12478— Rings (Steel)

Auburn Ball Bearing Co. (Hardened Tool Steel), 26 Elizabeth, Rochester, N. Y.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Bridgeport Chain Co., Bridgeport, Conn.
See adv index at end of book
Chain Products Co., H E Cooper av, Cleveland, O.
Chrome Steel Works (Rolled Chrome Steel), Camden, N. J.
Commercial Shearing & Stamping Co., Youngstown, Ohio
Duke Steel Co. Inc., 191 Pearl, New York
Hobbs Mfg. Co., 26 Salisbury, Worcester, Mass.
Hope Forge & Machine Co. (& Bands), Mt. Vernon, O.
King Fifth Wheel Co. (Forged for any Purpose), 5027H Beaumont av, Phila, Pa.
KROPP FORGE CO. (Solid Forged), 5301 Roosevelt, Chicago, Ill.
See adv index at end of book
Landers, Frary & Clark, New Britain, Conn.
Littleford Bros., 444 E Pearl, Cincinnati, Ohio
See adv index at end of book
Millersburg Fifth Wheel Co. (Iron & Steel Rings, Bands, Ovals, Flanges, etc), Millersburg, Pa.
Ohio Forge Co. (Forged), Cleveland, O.
Oliver & Williams (Solid Forged), 39 Pitts, Boston, Mass.
Racine Malleable & Wrought Iron Co. Racine, Wis.
Railway Steel Spring Co. (Heavy), 30 Church, New York
Standard Steel Works Co., Morris bldg, Phila., Pa.
Tioga Steel & Iron Co. (Forged), 52nd & Grays, Phila., Pa.
U. S. Indestructible Gasket Co., 831 E E 15th, Brooklyn, N. Y.
See adv index at end of book
Weldless Rolled Ring Co. (The), 10022 Detroit av, Cleveland, O.
Wharton Wm. Jr. & Co., Inc. (Forged) Easton, Pa.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

12479—Rings (Steel Piston)

Ever-Tyte Piston Ring Div., Walter A. Zelnicker Supply Co. (For Steam & Pneumatic Hammers, Channeling Machines, etc.), St. Louis, Mo.
Salt Wm. B. Mfg. Co. (For Steam Hammers, Engines, etc.), Aspinwall, Pa.

12479a— Rings (Teething)

DU PONT E. I. DE NEMOURS & CO. INC., Poughkeepsie Plant (Pyralin), Poughkeepsie, N. Y.
See adv index at end of book
Rubber & Celluloid Products Co., Newark, N. J.
Celluloid Co., 36 Washington pl, New York

12480— Rings (Timer)

Continental Fibre Co. (Fibre), Newark, Del.
Delaware Hard Fibre Co. ("Egyptian" Fibre), Wilmington, Del.
See adv index at end of book
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book

12481— Rings (Tool Post)

Page Storms Drop Forge Co., Chicopee, Mass.
Williams J. H. & Co. ("Vulcan" Drop-Forged), 400 Vulcan, Buffalo, N. Y.

12481a— *Rings (Towel)

Estes E. B. Sons, 364 5th av, New York
See adv index at end of book

12482— Rings (Trap Door)

Champion Hardware Co. (Flush), Geneva, Ohio
Klauer Mfg. Co., Dubuque, Ia.
Peck Stow & Wilcox Co. (Flush), Southington, Conn.

(Continued on following page)

Rings (Trap Door)—Continued

Penn Hardware Co., Reading, Pa.
Sargent & Co. (Flush), New Haven, Conn.
Stanley Works, New Britain, Conn.
See adv index at end of book
Stover Mfg. & Engine Co., Freeport, Ill.

Rings (Trapeze)

See Rings, Gymnasium

12483-4— Rings (Umbrella)

Davol Rubber Co., 69 Point, Providence, R. I.

STIMPSON EDWIN B. CO. (Also Caddy Bags), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book

12485— Rings (Welded)

(Name with * also manufacture Monel Metal)

Allegheny Forging Co., Keenan bldg, Pittsburgh, Pa.
American Mfg. Co., Chestnut & Water, Chattanooga, Tenn.
*Beckley Perforating Co., Garwood, N. J.
Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Carroll Chain Co., Columbus, O.
See adv index at end of book
*Cleveland Wire Cloth Co., Cleveland, O.
Hammond & Irving, Auburn, N. Y.
*Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp. C. O., Southport, Conn.
*Magosy & Buscher, 232 Canal, New York
*Munning & Co. A. P., Matawan, N. J.
SEARLES ELECTRIC WELDING WKS., 821 W Washington blvd, Chicago, Ill.
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co. John P., New Haven, Conn.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co. W. S., Cleveland, O.
Weldless Rolled Ring Co., The, 10022 Detroit av, Cleveland, O.

12486— Rings (Weldless)

Allegheny Forging Co., Keenan bldg, S Dearborn, Chicago, Ill.
Allison & Co., Chester, Pa.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Camden Forge Co., Camden, N. J.
Duke Steel Co. Inc., 191 Pearl, New York
Dyson Jos. & Sons, 5125 St. Clair av, Cleveland, O.
Hammond Steel Co., Inc., The (Forged Steel), Solvay, N. Y.
Irving Robert M., 310 E Genesee, Syracuse, N. Y.
Johnston & Jennings Co., Addison Rd. & N. Y. C. R. R., Cleveland, O.
Ladish Drop Forge Co., Cudahy, Wis.
Lake Erie Forge & Machine Co., Cleveland, O.
Midvale Co., Nicetown, Phila., Pa.
Ohio Forge Co. (Forged), Cleveland, O.
Penna. Forge Co., Ash & Bath, Phila., Pa.
Pollak Steel Co., Cincinnati, Ohio
Railway Spring Steel Co., 30 Church, New York
Standard Steel Works Co. (For Crushing Machinery, etc.), Morris bldg, Phila., Pa.
Vulcan Steam Forging Co., 251 Rano, Buffalo, N. Y.
Weldless Rolled Ring Co. (The), 10022 Detroit av, Cleveland, O.

12487— Rings (Wire)

American Mfg. Co., Chestnut & Water, Chattanooga, Tenn.
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Eastern Tool & Mfg. Co., Bloomfield av, Bloomfield, N. J.
Jenkinson R. C. & Co., 293 Washington, Newark, N. J.
North & Judd Mfg. Co. ("Anchor Brand" Steel), New Britain, Conn.
Parker Wire Goods Co., Worcester, Mass.
STIMPSON EDWIN B CO. (&Stamped, Umbrella, Crochet, "D" Round, Oblong & Square), 852 Kent av, Brooklyn, N. Y. *See adv index at end of book*
Titchener-Diehl Co., 1844-48 W Austin av, Chicago, Ill.
Titchener E. H. & Co., Binghamton, N. Y.
U. S. Hame Co., 35 Tonawanda, Buffalo, N. Y.
U. S. Indestructible Gasket Co., 313 E 15th, Brooklyn, N. Y.
See adv index at end of book
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

12488— Rings with Staples

Auer John Jr. (Wrought Trap Door, etc.), 197 Middleton, Brooklyn, N. Y.
Landers, Frary & Clark (Wrought), New Britain, Conn.

12489— Rings (Wood)

Bogert & Hopper Inc., 57 Barclay, New York. *See adv index at end of book*
ESTES E. B. & SONS (Embroidery, Exercising, Towel, Harness, etc.), 364 5th av, New York
See adv index at end of book
Nashua Spool & Bobbin Co., Haverhill National Bank bldg, Haverhill, Mass.
Peters' John M. Sons, Bleecker, New York
Piqua Handle & Mfg. Co., P. O. Box 307, Piqua, O.
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

12490— Rings (Worm Gear)

Anderson Rolled Gear Co. ("Anderson" Rough Rolled Steel for Auto Worm Drive Rear Axles, etc.), Berea rd & L. S. & M. S. Ry, Cleveland, O.
FOOTE BROS. GEAR & MACHINE CO., 217 N Curtis, Chicago, Ill.
See adv index at end of book
FOOTE GEAR WORKS (Bronze), 430 N Oakley blvd, Chicago
See adv index at end of book
Weldless Rolled Ring Co. (The), 10022 Detroit av, Cleveland, O.

12491— Ripeners (Cream)

Creamery Package Mfg. Co., 61 W Kinzie, Chicago, Ill.
Jensen Creamery Machy. Co., Nelson & Locust av, Bloomfield, N. J.
Reid A. H. Creamery & Dairy Supply Co., 69th & Haverford, Phila., Pa.

12492— Rivet Busters

American Bolt Corp., Whitehall bldg, New York
See adv index at end of book
Cleveland Punch & Shear Works Co., 3917 St. Clair av N E, Cleveland, O.
See adv index at end of book
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
KING PNEUMATIC TOOL CO., 1736 Armitage av, Chicago, Ill.
See adv index at end of book
Reschke Machine Works Co., Wichita, Kan.

12492a—*Rivet Heaters (Electric)

American Car & Foundry Co., 165 B'way, New York
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*

12493— Rivet Mfrs.

AMERICAN BOLT CORP., Whitehall bldg, New York
See adv index at end of book
American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O.
Atlas Tack Co., Fairhaven, Mass.
Baker & Co. (Platinum), 54 Austin, Newark, N. J.
Ballard Drop Forge Co. ("Ballard"), Seattle, Wash.
Berry Bros., Columbus, O.
Bethlehem Steel Co., So. Bethlehem, Pa.
Blake & Johnson Co. (Iron, Steel, Brass & Copper), 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
Brainerd J. W. Steel Co., Warren, Ohio
Bridgeport Screw Co., Union av, Bridgeport, Conn.
Burden Iron Co., Troy, N. Y.
Butler Bolt & Rivet Co., Butler, Pa.
Carlin Anthony Co., 2717 E 7th, Cleveland, O.
Champion Rivet Co., Harvard av & E 108th, Cleveland, O.
Chicago Rivet & Spec. Co. ("C. R. & S."), 4842 W Kinzie, Chicago, Ill.
CLARK BROS. BOLT CO., Milldale, Conn.
See adv index at end of book
Cobb & Drew, Plymouth, Mass.
Coe Brass Branch, Torrington, Conn.
Columbus Bolt Works Co., Columbus, O.
Eyelet Tool Co., 190 Dorchester av, Boston, Mass.
FOSTER MFG. & SUPPLY CO., 20th & Venango, Philadelphia, Pa.
Froment & Co., 150 Bank, New York
Garland Mfg. Co., 1st National Bank bldg, Pittsburgh, Pa.
Gary Screw & Bolt Co., Gary, Ind.
Gem Stamped Steel Co., Chelsea, Mass
General Mfg. Co. (From All Metals), Waterbury, Conn.
Grammes L. F. & Sons, 311 Union, Allentown, Pa.
See adv index at end of book
Grant Mfg. & Machine Co. ("Grant"), N. W. Station, Bridgeport, Conn.
Greenlie-Halliday Co., 499 Water, New York
Harrison Bolt & Nut Co., Harrison, N. J.
Hartley Screw Products Co., Poinier, Newark, N. J.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Hungerford U. T. Brass & Copper Co. ("Anvil," "Star"), 86 Lafayette, New York
Interstate Iron & Steel Co., 104 S Michigan av, Chicago, Ill.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Kirk-Latty Mfg. Co., 1971 W 85th, Cleveland, O.
Lamson & Sessions Co., 2188 Scrandon rd, S W, Cleveland, O.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
LARKIN & CO., J. K. (Iron & Steel for General Purposes), 253 Broadway, New York *See adv index at end of book*
Linton Mill Co., Linton, Ind.
Milwaukee Tack Co. (Small), 27th & Wahl av, Milwaukee, Wis.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
National Screw & Mfg. Co., The, 2440 E 75th, Cleveland, O.
See adv index at end of book
Nelson Rivet Co. (Small Brass, Copper & Iron), Taunton, Mass.
Newark Rivet Works, 262 Lafayette, Newark, N. J.
New England Bolt Co., Everett, Mass.
North & Pfeiffer Mfg. Co., Hartford, Conn.
O'Brien John Boiler Works Co., 11th & Mullanphy, St. Louis, Mo.
Ohio Nut & Bolt Co., Berea, O.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pacific Coast Forge Co., 3800 Iowa, Seattle, Wash.
Pittsburgh Rivet Co., 38th & Junction R. R., Pittsburgh, Pa.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Plume & Atwood Mfg. Co. (Brass, etc.), Waterbury, Conn.
Plymouth Mills, Plymouth, Mass.
Portland Bolt & Mfg. Co., 210 N 14th, Portland, Ore.
Probst C. F. Mfg. Co., 530 Watertown av, Waterbury, Conn.
Progressive Mfg. Co. (To Order Only), Torrington, Conn.
Reed & Prince Mfg. Co., Worcester, Mass.
Rome Brass & Copper Co. (Brass & Copper), Rome, N. Y.
Russell Burdsall & Ward Bolt & Nut Co., Dept. H, Port Chester, N. Y.
Scovill Mfg. Co. (Brass, Bronze, Iron, Steel & Special to Order Only), Waterbury, Conn. *See adv index at end of book*
Sessions J. H. & Son, Bristol, Conn.
Severence S. Mfg. Co., 3d, Pittsburgh, Pa.
Standard Rivet Co., 41 Lincoln, Boston, Mass.
Steel Car Forge Co., Pittsburgh, Pa.
Sterling Bolt Co. (Jobbers), 707 W Van Buren, Chicago, Ill.
STIMPSON EDWIN B. CO. ("Split," Drilled, Bifurcated, Forked, Brake-bound, etc.), 852 Kent av, Brooklyn, N. Y. *See adv index at end of book*
Thompson Judson L. Mfg. Co., Waltham, Mass.
Topping Bros., 156 Varick, New York
See adv index at end of book
Tower Mfg. Co., Elm & Commerce, Cincinnati, O.
Townsend Co., New Brighton, Pa.
See adv index at end of book

TOWNSEND COMPANY
Manufacturers of
Rivets, Special Nails
Cold Finished Steel
Screw Stock, Wire & Wire Products
NEW BRIGHTON, PA.

Townsend G. G., Winchendon, Mass.
Tubular Rivet & Stud Co., 87 Lincoln, Boston, Mass.
Ulster Iron Works, Dover, N. J.
Waltham Screw Co., Waltham, Mass.
Wilson Steel Products Co. (Agricultural), Dept. H, 49th & Western av, Chicago, Ill.

12494— Rivet Sets

American Die & Tool Co. (Air Hammer, etc.), Reading, Pa.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Cleveland Punch & Shear Works Co. (Handle, Pneumatic), 3917 St. Clair av, Cleveland, O.
See adv index at end of book
Cleveland Steel Tool Co., 660 E 82nd, Cleveland, O.

CLEVELAND WROUGHT PRODUCTS CO., THE (Made from special analysis vanadium steel, accurately heat-treated in electrical furnaces, insuring uniform quality. Will submit free samples for test purposes), 3400 W 58th, Cleveland, Ohio
See adv index at end of book

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Will submit free samples for test purposes

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Davidson Tool Mfg. Corp., 12 Maiden lane, New York
Drew C. & Co. (Coopers), Kingston, Mass.
Eyelet Tool Co., 40 Lincoln, Boston, Mass.
Henderer's A. L. Sons, Wilmington, Del.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Hungerford U. T. Brass & Copper Co. ("Anvil," "Star"), 86 Lafayette, New York
Hunter Saw Machine Co. ("Hunter" Pneumatic Hammer), 57th & Butler, Pittsburgh, Pa.
Independent Pneumatic Tool Co., 600 W Jackson blvd, Chicago, Ill.
Iron City Tool Works, Ltd. (Sheeters), 3201 Smallman, Pittsburgh, Pa.
Irvington Mfg. Co., Irvington, N. J.
Johnson Wm. (Hedenberg Works), Newark, N. J.
Ketler-Elliott Co. ("Ketoco"), 31st & California, Chicago, Ill.
KING PNEUMATIC TOOL CO., 1736 Armitage av, Chicago, Ill.
See adv index at end of book
Kraeuter & Co., 583 18th av, Newark, N. J.
Laughlin Thos. Co. (Oyster Tongs), 135 Fore, Portland, Me.
See adv index at end of book
Lovejoy Tool Works, 319 W Ohio, Chicago, Ill.
See adv index at end of book
Lowentraut P. Mfg. Co. ("W. S."), 86 Brenner, Newark, N. J.
Marchant Geo. F. Co. ("New Process," "Marco-Vanadium," "Vanadium" Air Hammer), 1420 S Rockwell, Chicago, Ill.
Niagara Machine & Tool Works, Buffalo, N. Y.
Octigan Drop Forge Co. ("Octigan"), 2425 Lowe av, Chicago, Ill.
Osborne C. S. & Co. (Harness Makers, Tinners, etc.), Box 183, Newark, N. J.
See adv index at end of book
Peck, Stow & Wilcox Co., Southington, Conn.
Plomb Tool Mfg. (Tinners), 2209 Santa Fe av, Los Angeles, Cal.
Rich Tool Co. ("Red Head"), H Railway Exchange bldg, Chicago, Ill.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
SMITH & HEMMINGWAY CO., INC., ("Red Devil" Drop Forged), 261H B'way, New York & 130H Colt, Irvington, N. Y.
See adv index at end of book
Stanley Rule & Level Co. (Atha Division), New Britain, Conn.
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Stortz Jno. & Son, 210 Vine, Phila., Pa.
Van Doren Mfg. Co. ("Vandor" Rivet Sets & Headers, Tinners' Pattern & Farmers'), Chicago Heights, Ill.
Vaughan & Bushnell Mfg. Co., 2114 Carroll av, Chicago, Ill.

12495—Riveters (Belting & Harness Repairing, Etc.)

See Also Riveting Machines, Hand

Arcade Mfg. Co. ("Arcade" Belting & Harness), Freeport, Ill.
Buffum Tool Co. ("Swastika"), South Side Louisiana, Mo.
Fate-Root-Heath Co. ("Ideal"), Plymouth, Ohio
See adv index at end of book

Riveters (Pneumatic Compression)

See Pneumatic Compressing Riveters

12496—Riveters (Steam Hydraulic)

Chambersburg Engineering Co., Chambersburg, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book
WOOD R. D. & CO., 400 Chestnut, Phila., Pa.

12497—Riveters & Punches (Combined)

Hanna Engineering Works, 1764 Elston av, Chicago, Ill.

Riveting Machines

See Machinery; also Pneumatic Riveters

12498— Rivets (Aluminum)

Aluminum Company of America, 2301 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book
Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
Gem Stamped Steel Co., Chelsea, Mass.
Hassall Jno. (To Order), Clay & Oakland, Brooklyn, N. Y.
See adv index at end of book
Hungerford U. T. Brass & Copper Co. ("Star," "Anvil"), 86 Lafayette, New York
Phoenix Specialty Mfg. Co., Inc., 48 Duane, New York
Probst C. F. Mfg. Co. (To Order), 530 Watertown av, Waterbury, Conn.
STIMPSON EDWIN B. CO., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Townsend Co., New Brighton, Pa.
Waterbury Brass Goods Corp. (Small), Waterbury, Conn.

12499— Rivets (Barrel)

Atlas Bolt & Screw Co., 1130 Ivanhoe rd., Cleveland, Ohio
Garland Nut & Rivet Co., Lawrence County, West Pittsburgh, Pa.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Reading Screw Co., Norristown, Pa.
Russell Burdsall & Ward Bolt & Nut Co., Dept H, Port Chester, N. Y.
STIMPSON EDWIN B. CO., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Townsend Co., New Brighton, Pa.
See adv index at end of book
Townsend G. G., Winchendon, Mass.
Wilson Steel Products Co., Dept. H, 49th & Western av, Chicago, Ill.

12500—Rivets (Belt & Hose)

American Brass Co., Waterbury, Conn.
See adv index at end of book
Atlas Tack Co. (Copper), Fairhaven, Mass.
Bourne-Fuller Co., Hanna bldg, Cleveland, Ohio
Falls Rivet Co., Kent, Ohio
Garland Nut & Rivet Co., Lawrence County, West Pittsburgh, Pa.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Hassall Jno. (Inc.) (To Order), Clay & Oakland, Brooklyn, N. Y.
See adv index at end of book
Hungerford U. T. Brass & Copper Co. ("Star," "Anvil"), 86 Lafayette, New York
Interstate Iron & Steel Co., 104 S Michigan av, Chicago, Ill.
Plume & Atwood Mfg. Co. ("Eagle," Copper), Waterbury, Conn.
Probst C. F. Mfg. Co., 530 Watertown av, Waterbury, Conn.
Reed & Prince Mfg. Co., Worcester, Mass.
Rome Brass & Copper Co., Rome, N. Y.
Russell Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
STIMPSON EDWIN B. CO., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Tower Mfg. Co. (Tinned & Coppered Iron Burrs & Rivets), Elm & Commerce, Cincinnati, O.
Townsend Co. (Belt Only), New Brighton, Pa.
See adv index at end of book
Wilson Steel Products Co., 49th & S Western av., Chicago, Ill.

12500a— *Rivets (Boiler)

LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Smith David H. & Sons, Foot of 51st, Brooklyn, N. Y.
See adv index at end of book

DAVID H. SMITH & SONS, Inc.

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TOWNSEND CO., New Brighton, Pa.
See adv index at end of book

12501—Rivets (Boiler & Tank)

American Bolt Corp., Whitehall bldg., New York *See adv index at end of book*
American Equipment Co., Norristown, Pa.
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio
Atlas Tack Co., Fairhaven, Mass.
Bethlehem Steel Co., So Bethlehem, Pa.
Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
Burden Iron Co. (Iron), Troy, N. Y.
Carlin Anthony Co. ("Perfection"), 2717 E 75th, Cleveland, O.
Champion Rivet Co., Harvard av & E 108th, Cleveland, O.
Cleveland Wrought Products Co., W 58th & West L. E. Belt Line, Cleveland, O.
Falls Rivet Co., Kent, O.
Garland Nut & Rivet Co., Lawrence County, West Pittsburgh, Pa.
Gary Screw & Bolt Co., Gary, Ind.
Hanna Engineering Wks. (Truck Frame Pneumatic), 1764 Elston av, Chicago, Ill.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Inland Steel Co., 38 S Dearborn, Chicago, Ill.
Interstate Iron & Steel Co., 104H So Michigan av, Chicago, Ill.
Judson Mfg. Co. 819 Folsom, San Francisco, Cal.
Kansas City Bolt & Nut Co., Kansas City, Mo.
LARKIN J. K. & CO. (Iron & Steel), 253 Broadway, New York
See adv index at end of book
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
National Bolt & Nut Co., 62nd & A. V. R. R., Pittsburgh, Pa.
National Screw & Mfg. Co., The, 2440 E 75th, Cleveland, O.
See adv index at end of book
New England Bolt Co., Inc., Everett, Mass.
Oliver Iron & Steel Co., S 10th & Muriel, **Pittsburgh, Pa.**
Pittsburgh Rivet Co., 38th & Junction RR, Pittsburgh, Pa.
Pittsburgh Screw & Bolt Co., Preble av Pittsburgh, Pa.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
RYERSON JOS. T. & SON, INC., 2558 W. 16th, Chicago, Ill.
See adv index at end of book
Scott, Suydan & Lamont, Monadnock Bldg, San Francisco, Cal.
Severence S. Mfg. Co., 3d, Pittsburgh, Pa.
Smith David H. & Sons, Foot of 51st, Brooklyn, N. Y.
See adv index at end of book
Southern California Iron & Steel Co., E 4th & Mateo, Los Angeles, Cal.
Steel Car Forge Co. ("Xcelsior"), Frick Bldg, Pittsburgh, Pa.
STIMPSON EDWIN B. CO., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Townsend Co., New Brighton, Pa.
See adv index at end of book
Ulster Iron Works, Dover, N. J.
Wilson Steel Products Co., Dept. H, 49th & Western av, Chicago, Ill.

12501a—Rivets (Brake Band)

Grammer L. F. & Sons, 311 Union, Allentown, Pa.
Hungerford U. T. Brass & Copper Co. ("Star," "Anvil"), 86 Lafayette, New York
Pheoli Mfg. Co., 5700 W 12th, Chicago, Ill.
STIMPSON EDWIN B. CO., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book

12502—Rivets (Brass & Copper)

Atlas Tack Co. (Rivets & Burrs), Fairhaven, Mass.
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
Champion Brass Wks., Coldwater, Mich.
Chicago Rivet & Spec. Co. ("C. R. & S" Tubular Brass Split), 4842 W Kinzie, Chicago, Ill.
Clendenin Bros. (Copper Rivets & Burrs), 108 South, Baltimore, Md.
Cobb & Drew, Plymouth, Mass.
Falls Rivet Co., Kent, O.
Gem Stamped Steel Co., Chelsea, Mass.
General Mfg. Co., Waterbury, Conn.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Hartley Screw Products Co., Polnier, Newark, N. J.
HASSALL JNO. (INC), Clay & Oakland, Brooklyn, N. Y.
See adv index at end of book
Hungerford U. T. Brass & Copper Co. ("Star," All Sizes & Styles), 80 Lafayette, New York
Manufacturers Belt Hook Co., 1321 W Congress, Chicago, Ill.
Merchant & Evans Co. (Jobbers), Washington av & 21st, Phila., Pa.
Mutual Electric & Machine Co. (Copper), 232 Fort, W. Detroit, Mich.
Nelson Rivet Co., Taunton, Mass.
Newark Rivet Works, 262 Lafayette, Newark, N. J.
North American Copper Co., 52 Vanderbilt av, New York
Pheoll Mfg. Co., 5700 W 12th, Chicago, Ill.
Phoenix Specialty Mfg. Co., Inc., 48 Duane, New York
Plume & Atwood Mfg. Co. (Copper Trunk, Braziers', Brass Jacket, etc), Waterbury, Conn.
Probst C. F. Mfg. Co., 530 Watertown av, Waterbury, Conn.
Progressive Mfg. Co. (To Order Only), Torrington, Conn.
Reed & Prince Mfg. Co., Worcester, Mass.
Rome Brass & Copper Co., Rome, N. Y.
Rotax Co. (Brass Split), 171 Broadway, New York, and 24 Bathgate pl, Newark, N. J.
Russell Burdsall & Ward Bolt & Nut Co., Dept H, Port Chester, N. Y.
Scovill Mfg. Co. (orders only), Waterbury, Conn. *See adv index at end of book*
STIMPSON EDWIN B. CO., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Taunton Rivet Works (Copper Rivets & Burrs), Taunton, Mass.
Thomson Judson L. Mfg. Co. (Coppered Slotted Clinch), Waltham, Mass.
Townsend Co. (Brass Only), New Brighton, Pa.
See adv index at end of book
Waltham Screw Co., Waltham, Mass.
Waterbury Brass Goods Corp., Waterbury, Conn.
Waterbury Mfg. Co., Division Chase Companies, Inc., Waterbury, Conn.
Wilson Steel Products Co., Dept. H, 49th & Western av, Chicago, Ill.

12503— Rivets (Braziers')

AMERICAN BRASS CO., Waterbury, Conn.
See adv index at end of book
Hendricks Bros., 49 Cliff, New York
Hungerford U. T. Brass & Copper Co. ("Star," "Anvil"), 86 Lafayette, New York
Plume & Atwood Mfg. Co. (Copper), Waterbury, Conn.
Probst C. F. Mfg. Co., 530 Watertown av, Waterbury, Conn.
Rome Brass & Copper Co., Rome, N. Y.
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Townsend Co., New Brighton, Pa.
See adv index at end of book

12504—Rivets (Bridge & Structural)

AMERICAN BOLT CORP., Whitehall bldg, New York
See adv index at end of book
Am. Bridge Co., 71 B'way, New York
American Equipment Co., Norristown, Pa.
Bethlehem Steel Co., So Bethlehem, Pa.
Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
Carlin Anthony Co. ("Perfection"), 2717 E 75th, Cleveland, Ohio
Champion Rivet Co., Harvard av & E 108th, Cleveland, O.
Cleveland Wrought Products Co., W 58th & W. & L. E. Belt Line, Cleveland, Ohio
Falls Rivet Co., Kent, Ohio
Foster Bolt & Nut Co., Union av & E 72d, Cleveland, O.
Garland Nut & Rivet Co., Lawrence County, West Pittsburgh, Pa.
Gary Screw & Bolt Co., Gary, Ind.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Inland Steel Co., 38 S Dearborn, Chicago, Ill.
Interstate Iron & Steel Co., 104H So Michigan av, Chicago, Ill.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
LARKIN J. K. & CO. (Iron & Steel), 253 Broadway, New York
See adv index at end of book
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
National Bolt & Nut Co., 62nd & A. V. R. R., Pittsburgh, Pa.
New England Bolt & Nut Co., Everett, Mass.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pittsburgh Rivet Co., 38th & Junction RR, Pittsburgh, Pa.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
RYERSON JOS. T. & SON, INC., 2558 W 16th, Chicago, Ill.
See adv index at end of book
Severence S. Mfg. Co., 3d, Pittsburgh, Pa.
SMITH DAVID H. & SONS, Foot of 51st, Brooklyn, N. Y.
See adv index at end of book
Southern California Iron & Steel Co., E 4th & Mateo, Los Angeles, Cal.
Steel Car Forge Co., Frick bldg, Pittsburgh, Pa.
Townsend Co., New Brighton, Pa.
See adv index at end of book
Viethardt Steel & Metal Corp. (Mill Rep-Row, New York
Wilson Steel Products Co., Dept. H, 49th resentatives, Steel Only), 15 Park & Western av, Chicago, Ill.

12505— Rivets (Button)

American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Hassall Jno. (Inc), Clay & Oakland, Brooklyn, N. Y.
See adv index at end of book
Interstate Iron & Steel Co., 104H So Michigan av, Chicago, Ill.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book

J. K. LARKIN & CO.

253 Broadway
NEW YORK

National Screw & Mfg. Co., The, 2440 E 75th, Cleveland, O.
See adv index at end of book
Probst C. F. Mfg. Co., 530 Watertown av, Waterbury, Conn.
Smith David H. & Sons, Foot of 51st, Brooklyn, N. Y.
See adv index at end of book
Southern California Iron & Steel Co., Dept H E 4th & Mateo, Los Angeles, Cal.
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book

12506— Rivets (Car)

American Bolt Corp., Whitehall bldg., New York *See adv index at end of book*
American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
American Equipment Co., Norristown, Pa.
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio
Bethlehem Steel Co., So Bethlehem, Pa.
Cleveland Wrought Products Co., W 58th & W. & L. E. Belt Line, Cleveland, Ohio
Columbus Bolt Works Co., Columbus, O.
Garland Nut & Rivet Co., Lawrence County, West Pittsburgh, Pa.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Interstate Iron & Steel Co., 104H So Michigan av, Chicago, Ill.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
National Bolt & Nut Co., 62nd & A. V. R. R., Pittsburgh, Pa.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Pittsburgh Rivet Co., 38th & Junction R. R., Pittsburgh, Pa.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Severence S. Mfg. Co., 3d, Pittsburgh, Pa.
Southern California Iron & Steel Co., Dept H, E 4th & Mateo, Los Angeles, Cal.
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
TOWNSEND CO., New Brighton, Pa.
See adv index at end of book
Wilson Steel Products Co., Dept. H, 49th & Western av, Chicago, Ill.

12507-8—Rivets (Clinch, Bifurcated)

Hungerford U. T. Brass & Copper Co. ("Star," "Anvil"), 86 Lafayette, New York
Manufacturers' Belt Hook Co. ("20 Century" Brass Brake Band & Tubular Harness), 1321 W Congress, Chicago, Ill.
Standard Rivet Co., 41 Lincoln, Boston, Mass.
STIMPSON EDWIN B. CO. ("Split"), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Thomson Judson L. Mfg. Co., Waltham, Mass.
Tubular Rivet & Stud Co., 87 Lincoln, Boston, Mass.

Rivets (Clinch, Slotted)

See Rivets, Slotted Clinch

12509-10— Rivets (Coopers')

American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O.
Berry Bros., Columbus, O.
Bourne-Fuller Co., Hanna bldg, Cleveland, Ohio
Brainerd J. W. Steel Co., Warren, Ohio
Falls Rivet Co., Kent, Ohio
Garland Nut & Rivet Co., Lawrence County, West Pittsburgh, Pa.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Interstate Iron & Steel Co., 104H So Michigan av, Chicago, Ill.
Lamson & Sessions Co., 2188 Scranton rd S W, Cleveland, O.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
National Screw & Tack Co., Stanton av, S. E. & C. & P. Ry, Cleveland, O.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Reading Screw Co., Norristown, Pa.
Reed & Prince Mfg. Co., Worcester, Mass.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
Tower Mfg. Co. (Countersunk, etc), Elm & Commerce, Cincinnati, O.
TOWNSEND CO., New Brighton, Pa.
See adv index at end of book
Wilson Steel Products Co., Dept. H, 49th & Western av, Chicago, Ill.
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

12511— Rivets (Draw Bar)

Bethlehem Steel Co., Bethlehem, Pa.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.

12512-3—Rivets (Galvanized)

Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O.
Interstate Iron & Steel Co., 104H So Michigan av, Chicago, Ill.
Kansas City Bolt & Nut Co., Kansas City, Mo.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
National Screw & Mfg. Co., The, 2440 E 75th st, Cleveland, O.
See adv index at end of book
Reed & Prince Mfg. Co., Dept. H, Worcester, Mass.
Rockford Bolt Co. (For Corrugated Culverts, etc), 60 Mill, Rockford, Ill.
Russell Burdsall & Ward Bolt & Nut Co., Dept H, Port Chester, N. Y.
STIMPSON EDWIN B. CO., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Townsend Co., New Brighton, Pa.
See adv index at end of book
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

12514— Rivets (Hame)

Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O.
Garland Nut & Rivet Co., Lawrence County, West Pittsburgh, Pa.
Hassall Jno. (Inc), Clay & Oakland, Brooklyn, N. Y.
See adv index at end of book
Interstate Iron & Steel Co., 104H So Michigan av, Chicago, Ill.
National Screw & Tack Co., Stanton av, S. E. & C. & P. Ry, Cleveland, O.
Reading Screw Co., Norristown, Pa.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
Standard Rivet Co., 41 Lincoln, Boston, Mass.
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book

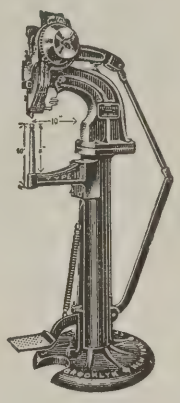


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852 Kent Avenue
BROOKLYN, N. Y. U. S. A.

All Styles and Sizes From Any Metal Large Stocks

Improved Machines for Attaching



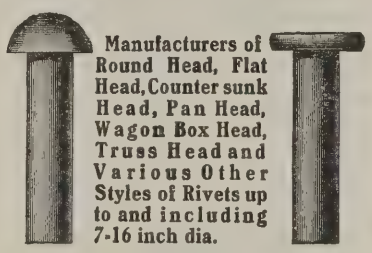
Thomson Judson L. Mfg. Co., Waltham.
Tower Mfg. Co., Elm & Commerce, Cincinnati, O.
Townsend Co., New Brighton, Pa.
See adv index at end of book
Wilson Steel Products Co., Dept. H, 49th & Western av, Chicago, Ill.

12515— Rivets (Hinge)

Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O.
Garland Nut & Rivet Co., Lawrence County, West Pittsburgh, Pa.
HASSALL JNO. (INC.), Clay & Oakland, Brooklyn, N. Y.
See adv index at end of book
Reed & Prince Mfg. Co., Dept. H, Worcester, Mass.
Russell Burdsall & Ward Bolt & Nut Co., Dept H, Port Chester, N. Y.
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Townsend Co., New Brighton, Pa.
See adv index at end of book
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

12515a— Rivets (Iron)

Bethlehem Steel Co., Bethlehem, Pa.
Blake & Johnson Co., 1500 Thamaston av, Waterbury, Conn.
See adv index at end of book
Burden Iron Co., Troy, N. Y.
Champion Rivet Co., Hartford av & E 108th, Cleveland, Ohio
Cobb & Drew, Plymouth, Mass.
HASSALL JOHN, INC., Clay & Oakland, Brooklyn, N. Y.
See adv index at end of book
Interstate Iron & Steel Co., 104 S Michigan av, Chicago, Ill.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
Kirk-Latty Mfg. Co. (The), 8500 Madison av, Cleveland, O.
See adv index at end of book
LARKIN J. K. & CO., 253 Broadway, New York. *See adv index at end of book*
Manufacturers Iron & Steel Co., New Brunswick, N. J.
National Screw & Mfg. Co., The, 2440 E 75th, Cleveland, O.
See adv index at end of book
Nelson Rivet Co, Taunton, Mass.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pittsburgh Rivet Co., 38th & Junction R. R., Pittsburgh, Pa.
Plymouth Mills, Plymouth, Mass.
Progressive Mfg. Co. (To Order Only), Torrington, Conn.
Scovill Mfg. Co. (To Order Only), Waterbury, Conn. *See adv index at end of book*
STIMPSON EDWIN B. CO., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Tower Mfg. Co., Madison, Ind.
Townsend Co., New Brighton, Pa.
See adv index at end of book
Upham V. B. & Bro., 30 Hudson av, Brooklyn, N. Y.
Wilson Steel Products Co. (Bed Spring), Dept. H, 49th & Western av, Chicago, Ill.



12515b—Rivets (Monel Metal)

American Bolt Corp., 17 Battery pl, New York
Atlas Bolt & Screw Co., Cleveland, Ohio
Blake & Johnson Co., The, Waterbury, Conn.
Central Screw Co., 3500 Princeton av, Chicago, Ill.
Clendennin Brothers, Baltimore, Md.
Eagle Brass Foundry Co., 21 Spokane, Seattle, Wash.
General Mfg. Co., Waterbury, Conn.
Giles Dyeing Machinery Co., North Philadelphia, Pa.
Gloekler & Co., Bernard, Pittsburgh, Pa.
Harvey Hubbell, Inc., Bridgeport, Conn.
Hassall, Ind., John, 402 Oakland, Brooklyn, N. Y.
Igoe Bros., 25 Canal, New York
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Lamson & Sessions Co., 2188 Scranton rd, S W, Cleveland, Ohio
Pacific Foundry Co., Harrison & 18th, San Francisco, Cal.
Progressive Mfg. Co., Inc., Torrington, Conn.
Reed & Prince, Worcester, Mass.
Schwartz Mill Sup. Co., Inc., Edward, 520 Toulouse, New Orleans, La.
Scovill Mfg. Co., Waterbury, Conn.
Sholes, Inc., 186 Lafayette, New York
Steel Products Mfg. Co., Cicero, Ill.
Steel Sales Corp., 129 S Jefferson, Chicago
Stimpson Co., Edwin B., 68 Franklin av, Brooklyn, N. Y.
Townsend Co., New Brighton, Pa.
Tull Rubber & Sup. Co., J. M., 150 Marietta, Atlanta, Ga.
Whitehead Metal Products Co., 67 Washington, N. Boston, Mass.
Whitehead Metal Products Co. of New York, Inc., 261 Canal, New York
Williams & Co., Inc., 901 Pennsylvania av, Pittsburgh, Pa.
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

12515c—Rivets (Nickel Silver)

Blake & Johnson, 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
HASSALL JNO. (INC), Clay & Oakland, Brooklyn, N. Y.
See adv index at end of book
Hungerford U. T. Brass & Copper Co., 80 Lafayette, New York
Nelson Rivet Co., Taunton, Mass.
Probst C. F. Mfg. Co. (To Order), 530 Watertown av, Waterbury, Conn.
Progressive Mfg. Co. (To Order Only), Torrington, Conn.
Reed & Prince Mfg. Co., Dept. H, Worcester. Mass.
STIMPSON EDWIN B. CO., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Waltham Screw Co., Waltham, Mass.
Waterbury Brass Goods Corp. (Small), Waterbury, Conn.

12516—Rivets (Norway Iron)

Atlas Tack Co., Fair Haven, Mass.
Bourne-Fuller Co., Hanna bldg, Cleveland, Ohio
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Newark Rivet Works (Black, Coppered & Tinned), 262 Lafayette, Newark, N. J.
STIMPSON EDWIN B. CO., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book

12517—Rivets (Phosphor Bronze)

New England Tank & Tower Co., 43 Main, Everett, Mass.
STIMPSON EDWIN B. CO., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book

12518— Rivets (Platinum)

American Platinum Works (For Spark Coils), 231 N. J. R. R., Newark, N. J.
Baker & Co., 54 Austin, Newark, N. J.

(Continued on following page)

Rivets (Platinum)—Continued

Probst C. F. Mfg. Co. (To order), 530 Watertown av, Waterbury, Conn.
R. & H. Platinum Works ("Iridio"), 709 6th av, New York City
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
WILSON H. A. CO. (& Silver, "Wilco"), 99 Chestnut, Newark, N. J.

12519— Rivets (Pronged)

Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Standard Rivet Co. (For Fastening Leather, Cloth, etc), 41 Lincoln, Boston, Mass.
STIMPSON EDWIN B. CO., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book

12519a— Rivets (Ship)

See also Rivets, Boiler & Tank

American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
Bethlehem Steel Co. (Iron & Steel), Bethlehem, Pa.
Carlin Anthony Co., 2717 E 75th, Cleveland, Ohio
Fisher C. U., 52H Broadway, New York
Interstate Iron & Steel Co., 104H So Michigan av, Chicago, Ill.
LARKIN & CO., J. K. (Iron & Steel), 253 Broadway, New York
See adv index at end of book
Townsend Co., New Brighton, Pa.
See adv index at end of book
Wilson Steel Products Co. (Iron & Steel Boat), Dept. H, 49th & Western av, Chicago, Ill.

12520— Rivets (Shovel)

American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio
Berry Bros., Columbus, O.
Garland Nut & Rivet Co., Lawrence County, West Pittsburgh, Pa.
Interstate Iron & Steel Co., 104H So Michigan av, Chicago, Ill.
Kirk-Latty Mfg. Co. (The), 8500 Madison av, Cleveland, O.
See adv index at end of book
Reading Screw Co., Norristown, Pa.
Reed & Prince Mfg. Co., Dept. H, Worcester, Mass.
Russell Burdsall & Ward Bolt & Nut Co., Dept H, Port Chester, N. Y.
Townsend Co., New Brighton, Pa.
See adv index at end of book
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

12521—Rivets (Slotted Clinch)

STIMPSON EDWIN B. CO. ("Split"), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Thomson Judson L. Mfg. Co., Waltham, Mass.

12522— Rivets (Soft Metal)

Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio
Cleveland Wrought Products Co., W 58th & W. & L. E. Belt Line, Cleveland, Ohio
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Peck E. E. & Co. (For Mending Enameled Ware, etc.), Batavia, N. Y.
Probst C. F. Mfg. Co., 530 Watertown av, Waterbury, Conn.
Reed & Prince Mfg. Co., Dept. H, Worcester, Mass.
Sessions J. H. & Son, Bristol, Conn.
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Townsend Co., New Brighton, Pa.
See adv index at end of book
Wilson Steel Products Co., Dept. H, 49th & Western av, Chicago, Ill.

12522a— Rivets (Special)

American Bolt Corp., Whitehall bldg., New York *See adv index at end of book*
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O.
Bethlehem Steel Co., Bethlehem, Pa.
Fall Rivet Co., Kent, Ohio
HASSALL JNO. (INC.), Clay & Oakland, Brooklyn, N. Y.
See adv index at end of book
Hungerford U. T. Brass & Copper Co. ("Star," "Anvil"), 86 Lafayette, New York
Interstate Iron & Steel Co., 104H So Michigan av, Chicago, Ill.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
KIRK-LATTY MFG. CO. (THE), 8500 Madison av, Cleveland, O.
See adv index at end of book
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
National Screw & Mfg. Co., The, 2440 E 75th, Cleveland, O.
See adv index at end of book
Reed & Prince Mfg. Co., Dept. H, Worcester, Mass.
Russell Burdsall & Ward Bolt & Nut Co., Dept H, Port Chester, N. Y.
Sessions J. H. & Son, Bristol, Conn.
Southern California Iron & Steel Co., Dept H E 4th & Mateo, Los Angeles, Cal.
STIMPSON EDWIN B. CO., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
TOWNSEND CO., New Brighton, Pa.
See adv index at end of book

Rivets (Split)

See Rivets (Pronged), also see Rivets (Slotted Clinch)

12522b— Rivets (Steel)

See also Rivet Mfrs.

American Bolt Corp., Whitehall bldg., New York *See adv index at end of book*
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio
Bethlehem Steel Co., Bethlehem, Pa.
Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
Columbia Steel Co., 503 Market, San Francisco, Cal.
Interstate Iron & Steel Co., 104H So Michigan av, Chicago, Ill.
Kirk-Latty Mfg. Co. (The), 8500 Madison av, Cleveland, O.
See adv index at end of book
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Reed & Prince Mfg. Co., Dept. H, Worcester, Mass.
Russell Burdsall & Ward Bolt & Nut Co., Dept H, Port Chester, N. Y.
Smith David H. & Sons, Foot of 51st, Brooklyn, N. Y.
See adv index at end of book
STIMPSON EDWIN B. CO., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Townsend Co., New Brighton, Pa.
See adv index at end of book
Wilson Steel Products Co., Dept. H, 49th & Western av, Chicago, Ill.

12523— Rivets (Stove)

Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio
Berry Bros., Columbus, O.
Garland Nut & Rivet Co., Lawrence County, West Pittsburgh, Pa.
Ireland & Matthews Mfg. Co., Beard & Chatfield, Detroit, Mich.
Interstate Iron & Steel Co., 104H So Michigan av, Chicago, Ill.
Lamson & Sessions Co., 2188 Scranton Rd S W, Cleveland, O.
National Screw & Mfg. Co., The, 2440 E 75th, Cleveland, O.
See adv index at end of book
Ohio Nut & Bolt Co., Berea, O.
Reading Screw Co., Norristown, Pa.
Reed & Prince Mfg. Co., Dept. H, Worcester, Mass.
Russell Burdsall & Ward Bolt & Nut Co., Dept H, Port Chester, N. Y.
Southern California Iron & Steel Co., Dept H E 4th & Mateo, Los Angeles, Cal.
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Townsend Co., New Brighton, Pa.
See adv index at end of book
Wilson Steel Products Co., Dept. H, 49th & Western av, Chicago, Ill.

12523a—*Rivets (Structural)

LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Smith David H. & Sons, Foot of 51st, Brooklyn, N. Y.
See adv index at end of book
TOWNSEND CO., New Brighton, Pa.
See adv index at end of book

12523b— *Rivets (Tank)

TOWNSEND CO., New Brighton, Pa.
See adv index at end of book

12523c— Rivets (Tinned)

Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio
Interstate Iron & Steel Co., 104H So Michigan av, Chicago, Ill.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
STIMPSON EDWIN B. CO., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Townsend Co., New Brighton, Pa.
See adv index at end of book

12524— Rivets (Tinners')

American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio
Atlas Tack Co., Fairhaven, Mass.
Berry Bros., Columbus, O.
Bourne-Fuller Co., Hanna bldg, Cleveland, Ohio
Central Stamping Co., 206 Broadway, New York
Cleveland Wrought Products Co., W 58th & W. & L. E. Belt Line, Cleveland, Ohio
Cobb & Drew, Plymouth, Mass.
Foster Bolt & Nut Co., Union av & E 72d, Cleveland, O.
Garland Nut & Rivet Co., Lawrence County, West Pittsburgh, Pa.
Gem Stamped Steel Co., Chelsea, Mass.
Globe Iron Roofing & Corrugating Co., Dept. H, Newport, Ky.
Hassall Jno. (Inc), Clay & Oakland, Brooklyn, N. Y.
See adv index at end of book
Hungerford U. T. Brass & Copper Co. ("Star," "Anvil"), 86 Lafayette, New York
Interstate Iron & Steel Co., 104 S Michigan av, Chicago, Ill.
Ireland & Matthews Mfg. Co., Beard & Chatfield, Detroit, Mich.
Lamson & Sessions Co., 2188 Scranton rd S W, Cleveland, O.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Merchant & Evans Co. (Black & Tinned), Washington av & 21st, Phila., Pa.
Milwaukee Tack Co. (Flat Head), 27th & Wahl av, Milwaukee, Wis.
National Screw & Tack Co., Stanton av, S. E. & C. & P. Ry, Cleveland, O.
Nelson Rivet Co. (Small), Taunton, Mass.
Ohio Nut & Bolt Co., Berea, O.
Plume & Atwood Mfg. Co. (& Burs), Waterbury, Conn
Reading Screw Co., Norristown, Pa.
Reed & Prince Mfg. Co., Worcester, Mass.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
RYERSON JOS. T. & SON, INC., 2558 W 16th, Chicago, Ill.
See adv index at end of book
Smith David H. & Sons, foot of 51st, Brooklyn, N. Y.
See adv index at end of book
Stanley Geo. W. Co., Belleville, Ill.
STIMPSON EDWIN B. CO., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Taunton Rivet Works, Taunton, Mass.
Tower Mfg. Co., Elm & Commerce, Cincinnati, O.
TOWNSEND CO., New Brighton, Pa.
See adv index at end of book
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

12525— Rivets (Tire)

Bourne-Fuller Co., Hanna bldg, Cleveland, Ohio
Columbus Bolt Works Co., Columbus, O.
Eagle Bolt & Forging Co., 1435 E 45th, Cleveland, O.
Falls River Co., Kent, Ohio
Garland Nut & Rivet Co., Lawrence County, West Pittsburgh, Pa.
Interstate Iron & Steel Co., 104H So Michigan av, Chicago, Ill.
Lamson & Sessions Co., 2188 Scranton rd S W, Cleveland, O.
National Screw & Mfg. Co., The, 2440 E 75th, Cleveland, O.
See adv index at end of book
Ohio Carriage Mfg. Co., S High, Columbus, O.
Skelly Thos. P. Bolt Co., 24th & Carlton, Phila., Pa.
Wilson Steel Products Co., Dept. H, 49th & Western av, Chicago, Ill.

12526— Rivets (Trunk)

Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio
Cleveland Wrought Products Co., W 58th & W. & L. E. Belt Line, Cleveland, Ohio
Hassall Jno. (Inc), Clay & Oakland, Brooklyn, N. Y.
See adv index at end of book
Hungerford U. T. Brass & Copper Co. ("Star," "Anvil"), 86 Lafayette, New York
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
Plume & Atwood Mfg. Co. (Oval Head, Copper), Waterbury, Conn.
Russell Burdsall & Ward Bolt & Nut Co., Dept H, Port Chester, N. Y.
STIMPSON EDWIN B. CO. (and suit case),
Kirk-Latty Mfg. Co. (The), 8500 Madison av, Cleveland, O.
See adv index at end of book
Townsend Co., New Brighton, Pa.
See adv index at end of book
Wilson Steel Products Co. (& Suit Case), Dept. H, 49th & Western av, Chicago, Ill.

12527— Rivets (Tubular)

Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Hungerford U. T. Brass & Copper Co. ("Star," "Anvil"), 86 Lafayette, New York
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Manufacturers Belt Hook Co. (& Bifurcated), 1321 W Congress, Chicago, Ill.
Thomson Judson L. Mfg. Co., Waltham, Mass.
Tubular Rivet & Stud Co., 87 Lincoln, Boston, Mass.

12528— Rivets (Wagon Box)

American Bolt Corp., Whitehall bldg., New York *See adv index at end of book*
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio
Berry Bros., Columbus, O.
Bourne-Fuller Co., Hanna bldg, Cleveland, Ohio
Clark Bros. Bolt Co., Milldale, Conn.
See adv index at end of book
Cleveland Wrought Products Co., W 58th & W. & L. E. Belt Line, Cleveland, Ohio
Columbus Bolt Works Co., Columbus, O.
Garland Nut & Rivet Co., Lawrence County, West Pittsburgh, Pa.
Interstate Iron & Steel Co., 104H So Michigan av, Chicago, Ill.
Kirk Latty Co. (The), 8500 Madison av, Cleveland, Ohio
See adv index at end of book
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Townsend Co., New Brighton, Pa.
See adv index at end of book
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

12529— Rivets (Wire)

Cleveland Wrought Products Co., W 58th & W. & L. E. Belt Line, Cleveland, Ohio
Gem Stamped Steel Co., Chelsea, Mass.
Interstate Iron & Steel Co., 104H So Michigan av, Chicago, Ill.
National Screw & Mfg. Co., The, 2440 E 75th, Cleveland, O.
See adv index at end of book
Probst C. F. Mfg. Co., 530 Watertown av, Waterbury, Conn.
Reed & Prince Mfg. Co., Worcester, Mass.
Russell Burdsall & Ward Bolt & Nut Co., Dept H, Port Chester, N. Y.
STIMPSON EDWIN B. CO., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Townsend Co., New Brighton, Pa.
See adv index at end of book
Wilson Steel Products Co., Dept. H, 49th & Western av, Chicago, Ill.

Rivets & Burrs (Brass & Copper)

See Rivets, Brass & Copper

12530— Road Binders & Preservatives

Amies Road Co. ("Amiscite" auto proof & Non-Slippery Asphaltic Concrete Compounds), Easton, Pa.
Atlantic Refining Co., 260 S Broad, Phila., Pa.
Atlantic Refining Co., 3144 Passyunk av, Phila., Pa.
Barber Asphalt Co. ("Barber" Brand Liquid — "Bermudez" Road Asphalt), Land Title bldg, Phila., Pa.
Barrett Co. ("Tarvia" for Macadam & Gravel Roads), 40 Rector, New York
Cahell Petroleum Co., 812 Oliver, St. Louis, Mo.
Central Commercial Co., 111 N Market, Chicago, Ill.
Chatfield Mfg. Co. ("Tarcote"), Carthage, Cincinnati, O.
Clarendon Refining Co., Clarendon, Pa.
Dustoline For Roads Co. ("Dustoline" for Road), Summit, N. J.
Emery Mfg. Co., Bradford, Pa.
Empire Oil Works, Oil City, Pa. Works: Reno, Pa.
Gulf Refining Co. ("Asphatoil"), Frick bldg annex, Pittsburgh, Pa.
Headley Good Roads Co. ("Biconac"), Franklin Terminal bldg, Phila., Pa.
Indian Refining Co. (For Macadam & Gravel Roads), 244 Madison av, New York
King Refining Co. (Oil), 58 Sutter, San Francisco, Cal.
Lewis F. J. Mfg. Co. ("Lewis's" Road Tar), 2513 S Robey, Chicago, Ill. Works: Moline, Ill.
National Refining Co., Rose bldg, Cleveland, O.
National Refining Co., Cleveland, O.
Pennsylvania Paraffine Wks., Titusville, Pa.
Pierce Oil Co., Bank of Com. bldg., St. Louis, Mo.
Pure Oil Co. ("Roadoil"), Lafayette bldg, Phila., Pa.
Sinclair Refining Co., Conway bldg, Chicago, Ill.
Solvay Process Co. ("Solvay" Granulated Calcium Chloride), Syracuse, N. Y.
Speare's Alden Sons Co. ("Tascoil"), Cambridge, Mass.
Standard Asphalt & Rubber Co. ("Sarco"), 208 S LaSalle, Chicago, Ill.
Standard Oil Co., 225 Bush, San Francisco, Cal.
Standard Oil Co. of N. J. (Road Oils), 26 Broadway, New York
Standard Oil Co. of N. Y. ("Standard" Asphalt, Emulsifying Macadam Binders & Road Oils), 555 W 25th, New York
Sun Co., 1240 H Finance bldg, Phila., Pa.
United Gas Improvement Co. ("Ugite"), Broad & Arch, Phila., Pa.
U. S. Asphalt Refining Co. ("Aztec" Road Binder), 90 West, New York
Wadsworth Stone & Paving Co. ("Kentuck" Road Asphalt for Macadam & Gravel Roads), Lambert & P. R. R., Pittsburgh, Pa.
Warren Refining Co., Warren, Pa.
Waverly Oil Works Co., 54th & A. V. R. R., Pittsburgh, Pa.

12531— Road Levelers

Acme Road Machinery Co., Frankfort, N. Y.
American Road Machinery Co., Kennett sq, Pa.
Clausmeier E. F., 222 E Columbia, Ft. Wayne, Ind.
Elkhart Bridge & Iron Co., Elkhart, Ind.
Glide Road Machine Co., 501 S E Huron, Minneapolis, Minn.
Gruendler Patent Crusher & Pulverizer Co., 982 N Main, St. Louis, Mo.
See adv index at end of book
Haynes M. ("Universal"), 4045 E 12th, Oakland, Cal.
Kilbourne & Jacobs Mfg. Co., Columbus, Ohio
Midwest Engine Co. (Small), 19th & Martindale av, Indianapolis, Ind.
Ohio Road Machinery Co. ("Shuart" Land & "Little Yankee," Contractors' Sub-Grade), Oberlin, O.
Pittsburgh-Des Moines Steel Co., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Schmeiser Mfg. Co., Davis, Cal.
Sidney Steel Scraper Co. (Tongue Scraper, Leveler & Ditcher), Sidney, O.
Spears-Wells Machy. Co. ("Spearwell"), 1832 9th, Oakland, Cal.
Stroud & Co. ("Stroud"), Omaha, Neb.
Western Wheeled Scraper Co., Farnsworth, Aurora, Ill.

12532—Road Machines & Graders

Acme Road Machinery Co. (Reversible), Frankfort, N. Y.
Adams J. D. & Co., 217 S Belmont, Indianapolis, Ind.
American Road Machinery Co., Kennett Square, Pa.
Austin Bros., Atlanta, Ga.
Austin Mfg. Co., 400 N Michigan av, Chicago, Ill.
Baker Mfg. Co. ("Baker"), 555 Stanford av, Springfield, Ill.
See adv index at end of book
Beach Mfg. Co., Charlotte, Mich.
Buckeye Traction Ditcher Co., Findlay, Ohio
Case J. I. Threshing Machine Co., ("Case" Grades), Racine, Wis.
Clausmeier E. F., 222 E Columbia, Ft. Wayne, Ind.
Davis Morris K. ("20th Century" Road Machines), 400 7th, San Francisco, Cal.
Deere & Co. (Graders), Moline, Ill.
Detroit Steel Casting Co., 4069H Michigan, Detroit, Mich.
Dunn Road Machinery Co., Conneaut, Ohio
Edwards C. D., Albert Lea, Minn.
Feenaughty Machine Co., Portland, Oregon.
Galion Iron Wks. & Mfg. Co. ("Galion," "Ideal," "Premium"), Galion, O.
Glide Road Machine Co., 501 S. E. Huron, Minneapolis, Minn.
Good Roads Machinery Co. ("Climax"), Kennett sq, Pa.
Gruendler Patent Crusher & Pulverizer Co., 982 N Main, St. Louis, Mo.
See adv index at end of book
Hadfield-Penfield Steel Co. (The), Bucyrus, Ohio *See adv index at end of book*

One Man Grader for FORDSON
Grades Ditches, Scoops, Scrapes, Scarifies, Rolls —Cuts grading cost 75 per cent—Put on or taken off in 60 minutes. Cheapest snow remover.
The Hadfield-Penfield Steel Co.
Bucyrus, Ohio

Haynes M. ("Universal"), 4045 E 12th, Oakland, Cal.
Horst & Stricter (Winchell Roller Attachment for Fordson), Davenport, Ia.
International Ditching & Road Machinery Co. ("Martin"), Owensboro, Ky.
Little Giant Co. ("Little Giant"), Mankato, Minn.
Littleford Bros. (Portable Repair Machinery), 444 E Pearl, Cincinnati, Ohio
See adv index at end of book
Lyle Culvert & Road Equiptment Co., 171 27th av South East, Minneapolis, Minn.
Marion Steam Shovel Co., P. O. Box 505, Marion, O.
Monroe N. S. & Sons, Arthur, Ill.
Midwest Engine Co. (Small), 19th & Martindale av, Indianapolis, Ind.
Northfield Iron Co., Northfield, Minn.
Northwestern Sheet & Iron Wks., Wahpeton, N. D.
Ohio Road Machinery Co. ("Shuart," "Ohio," Reversible "Little Yankee," Land Graders), Oberlin, O.
Osgood Co., Marion, O.
Owensboro Ditcher & Grader Co., Owensboro, Ky.
Philip Rossman, Stockport, N. Y.
Pittsburgh-Des Moines Steel Co., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Port Huron Engine & Thresher Co., Port Huron, Mich.
Russell Grader Mfg. Co. ("Simplex Russell" Reversible & Elevating Graders), 2005 Univ. av, S E Minneapolis, Minn.
Scholl Julian Co., 17 W 60th, New York
Simplex Farm Ditcher Co. ("Simplex"), Owensboro, Ky.
Smith & Sons Mfg. Co., Kansas City, Mo.
Spears-Wells Machy. Co. ("Spearwell"), 1832 9th, Oakland, Cal.
Spokane Culvert & Tank Co., Spokane, Wash.
Stockland Road Machinery Co., 2653 34th av, Minneapolis, Minn.
Stroud & Co. (Elevating Graders), Omaha, Neb.
Western Wheeled Scraper Co., Aurora, Ill.

12533—Road Oilers, or Distributors

American Road Machinery Co., Kennett sp, Pa.
Austin Mfg. Co., 400 N Michigan av, Chicago, Ill.
Burlingame A. Co. (For Hot Asphaltic Oils), Worcester, Mass.
Cressy Walter ("Pillsbury"), Gloucester, Mass.
Etnyre E. D. & Co. ("Etnyre"), Oregon, Ill.
French Walter S., Moorestown, N. J.
International Motor Co., 25H Broadway, New York
Irish Wm. F., Elec. Supplies ("Johnson"), 130 W 32nd, New York
Kinney Mfg. Co., 3529 Washington, Boston, Mass.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Spears-Wells Machy. Co. ("Spearwell"), 1832 9th, Oakland, Cal.
Studebaker Corp., South Bend, Ind.
Union Iron Works ("Eldus" Hand Drawn), N. J.
Universal Road Machy. Co ("Reliance"), Kingston, N. Y.
Van Dorn Iron Works Co. (For Oiling Streets), 2700 E 79th, Cleveland, O.

12534— Road Scarifiers

Acme Road Machinery Co., Frankfort, N. Y.
American Road Machinery Co., Kennett Square, Pa.
Austin Mfg. Co., 910 S Michigan av, Chicago, Ill.
Barber Asphalt Paving Co. ("Iroquois"), Land Title bldg., Philadelphia, Pa.
Buffalo Springfield Roller Co., Springfield, Ohio.
Denver Fire Clay Co., Denver, Colo.
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Galion Iron Works & Mfg. Co., Galion, O.
Russel Grader Mfg. Co., 2005 University av, Minneapolis, Minn.
Gruendler Patent Crusher & Pulverizer Co., 982 N Main, St. Louis, Mo.
See adv index at end of book
Haynes M. ("Universal"), 4045 E 12th, Oakland, Cal.
Heil Henry Chemical Co., St. Louis, Mo.
Huber Mfg. Co., Marion, O.
Hvass Chas. & Co., 508 E. 19th, New York
Ohio Road Machinery Co., Oberlin, O.
Port Huron Engine & Thresher Co. ("Port Huron"), Port Huron, Mich.
Spears-Wells Machy. Co. ("Spearwell"), 1832 9th, Oakland, Cal.
Universal Road Machinery Co. ("Porcupine"), Kingston, N. Y
Western Wheeled Scraper Co., Farnsworth, Aurora, Ill.

12535—Road Scrapers (Drag & Wheel)

Acme Road Machinery Co. (Drag & Wheel), Frankfort, N. Y.
Adrian Mfg. Co. ("Adrian" Rotary Scraper), 41 Wilson, San Jose, Cal.
American Road Machinery Co., Kennett sq. Pa.
American Steel Scraper Co. ("American," "Banner," "Climax," "Triumph," "Victor," "Contractors Special"), Sidney, Ohio
Baker Mfg. Co. ("Baker Maney" 4 Wheel Scraper), 1000 Stanford av, Springfield, Ill.
Beach Mfg. Co., Charlotte, Mich.

(Continued on following page)

Road Scrapers (Drag & Wheel)—Continued

Beaumont R. H. ("Beaumont"), 393 Arch, Phila., Pa.
Chattanooga Wheelbarrow Co. ("Southern" Drag), 1300 E 14th, Chattanooga, Tenn.
Donaldson Bros. (Drag), Mount Clemens, Mich.
Fresno Agricultural Work ("Fresno-Fresno" Drag), L. & Tulare, Fresno, Cal.
Gallon Iron Works & Mfg. Co. ("Universal," "Standard," "Ideal," "Competition," Adjustable Road Drag), Gallon, Ohio.
Good Roads Machy. Co., Kennett sq. Pa.
Gowanda Architectural Works (Drag Only), Gowanda, N. Y.
GRUENDLER PATENT CRUSHER & PULVERIZER CO., 982 N Main, St. Louis, Mo. *See adv index at end of book*
Hackley P. B. Equipment Co., 625 Market, San Francisco, Cal.
Herschel R. Mfg. Co., Peoria, Ill.
Holt Mfg. Co. (Drag), Stockton, Cal.
Jackson Mfg. Co. ("Jackson," Drag Only), 4th & Boyd, Harrisburg, Pa.
See adv index at end of book
Jory, C, & Sons, Taylor & Aurora, Stockton, Cal.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Kilbourne & Jacobs Mfg. Co. (Pressed Bowl Drag & Wheel), Columbus, O.
Lansing Co. (Steel), Lansing, Mich.
Lehr Agricultural Co. (Drag), Fremont, O.
Lyle Culvert & Road Equipt. Co., 171 27th av South East, Minneapolis, Minn.
Mechanical Mfg. Co. ("Stubbs" Wheeled), N Pershing rd & Loomis, Chicago, Ill.
Meyer, Henry H. Co. (Dirs.), 110 S Howard, Baltimore, Md.
See adv index at end of book
Midwest Engine Co. (Small), 19th & Martindale av, Indianapolis, Ind.
Pittsburgh-Des Moines Steel Co., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Road Supply & Metal Co. (Adjustable Road Drag & Stationary), Topeka, Kans.
Russell Grader Mfg. Co. (Road Drags), 2005 Univ av, S E. Minneapolis, Minn.
Sherwin E. C. & Son, Brandon, Wis.
Sidney Steel Scraper Co. ("Haslup," "Sidney," "Dreadnaught," "Ground Hog," "Vulcan," "S. S. S.," Square Back, & Great Western"), Sidney, Ohio
Skow Mfg. Co. ("Newton" Drag), Newton, Ia.
Slusser-McLean Scraper Co. ("Leader"), Sidney, O.
Smith & Sons Mfg. Co. ("Royal" Drag & Wheel), Kansas City, Mo.
Solano Iron Works (" Benicia"), Berkeley, Cal.
Spears-Wells Machy. Co. ("Spearwell"), 1832 9th, Oakland, Cal.
Stockland Road Machy. Co., 2653 34th av, Minneapolis, Minn.
Stroud & Co., Omaha, Neb.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Toledo Wheelbarrow Co. ("Bull Frog," "Buckeye" & "Maumee"), 2400 B'way, Toledo O.
Western Wheeled Scraper Co. ("Illinois," "Western" drag & wheel), Aurora, Ill.
Wilder-Strong Implement Co. (Drag), Monroe, Mich.
Wyatt F. Mfg. Co. ("Jayhawk" Drags), Salina, Kans.

12535a—*Road Storage Bins & Measuring Device

Erie Steel Construction Co. ("Aggremeter"), Erie, Pa.

12536—Roasters (Coffee & Peanut)

See also Coffee, Peanut & Cocoa Bean Roasting Machines

Atsatt Bros. ("Acme"), Mattapoisett, Mass.
Bartholomew Co. ("Stunner," "Rival," "Ripper," "Nichel Mint" & "Boss" Peanut), Peoria, Ill.
Bay Gottfried, 537 W 50th, New York
Burns Jabez & Sons (C), 567 11th av, New York
Combustion Utilities Corp., 8-10 Bridge, New York
Crandall-Pettee Co., 144 Franklin, New York
Cretors C. & Co. (Peanut), 620 W 22nd, Chicago, Ill.
Deer A. J. Co. ("Royal"), Hornell, N. Y.
Dunbar & Co. ("Chicago"), 2652 W Lake, Chicago, Ill.
Hart Wm., 34 Catherine, New York
Hilbert Machine Co. (P), 2116 Colerain av, Cincinnati, O.
Holcomb & Hoke Mfg. Co., Indianapolis, Ind.
Hubbard S. B. Co., Jacksonville, Fla.
Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.
Kingery Mfg. Co. (Peanut Only), 420 E Pearl, Cincinnati, O.
Lally M. & Co. ("Peerless"), 29 W 3rd, Cincinnati, Ohio
Lambert Machine Co. (C. & P.), ("Lambert"), Marshall, Mich.
Long W. Z. Co., Springfield, O.
LUEHRS ELECTRIC HEATING CO., 118 St. Clair av, N E, Cleveland, Ohio
See adv index at end of book
Mills Thos. & Bro., Thompson & 8th, Phila., Pa.
Originator Manufacturing Co. ("Wheatcraft" Package & Roaster), 302 B'way, New York
Phillips & Buttorff Mfg. Co. (Peanut Only) Nashville, Tenn.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

12537—Roasters & Baking Pans

American Stamping & Enameling Co. ("Corona" Enameled Roasters) Bellaire, O.
Griswold Mfg. Co. (Aluminum), 12th & Raspberry, Erie, Pa.
National Enameling & Stamping Co. ("Nesco" Empire Pat'n), 411 5th av, New York
Republic Metalware Co. ("Savory"), 100 Alabama, Buffalo, N. Y.
Silver & Co. ("Royal"), 304 Hewes, Brooklyn, N. Y.
Toledo Cooker Co. ("Ideal"), Toledo, O.
Wagner Mfg. Co. ("Wagner Ware," Oval & Round Cast Aluminum & Cast Iron), Sidney, O.
Wheeling Corrugating Co., Wheeling, W. Va.

12538—Robes (Carriage & Lap)

Ayres Wm. & Sons (Automobile & Carriage), 3rd & Cumberland, Phila., Pa.
Beckman N. O. Company (Wood Carriage & Automobile), Fulton rd, N W, Cleveland, O.
Burlington Blanket Co. ("Sho-Fur"), Burlington, Wis.
Chase L. C. & Co., 89 Franklin, Boston, Mass.
Comfort Auto Robe Co., Inc. ("Comfort" Shoulder Protecting, Automobile Robes & Weather-Proof Vests), Waterloo, N. Y.
Curtis & Van Bernuth Mfg. Co. (Carriage), 88 W B'way, New York
Draper Bros. Co. (Waterproof Automobile & Carriage), Canton, Mass.
Esmond Mills, Esmond, R. I.
Eugen Woolen Mill Co., Eugene, Ore.
Golden State Woolen Mills, Long Beach, Cal.
Goodyear Rubber Co. & Rubber Clothing Co. (Lap), 787 B'way, New York
Gordon J. P. Co. (Radiator & Engine), Columbus, O.
Hodgman Rubber Co. ("Hodgman"), 8 W 40th, New York
Hoenigsberger A. ("Perfection" Automobile Shawl, Plush, Cloth, Silk, Fur), 16 S Market, Chicago, Ill.
Holyoke Plush Co. (Plush), Holyoke, Mass.
Huyck F. C. & Sons ("Kenwood"), Albany, N. Y.
Kay Thos. Woolen Mill Co., Salem, Ore.
Kroh C. Z. Mfg. Co. ("Kroh" Storm), Toledo, Ohio
Mianus Mfg. Co. (Plush Lap), Coscob, Conn.
Newichawanick Co. (Carriages), South Berwick, Me.
New York Lap Rope Co., 219 Greene, New York
Oregon City Mfg. Co. (Woolen Carriage), Oregon City, Ore.
Roy Woolen Co., Watervliet, N. Y.
Sanford Mills (Plush), Sanford, Me.
Shayne C. C. & Co. (Fur), 126 W 42nd, New York
Stafford's James Sons, Krams av, Phila., Pa.
Stroock Plush Co. (Plush), Newburgh, N. Y.
Wallace Hugh Co. ("Motorwear" Cloth & Fur Carriage Robes), 2616 E Grand blvd, Detroit, Mich.

12539— Robes (Motor Car)

Chase L. C. & Co., 89 Franklin, Boston, Mass.
Hoenigsberger A. ("Perfection"), 16 S Market, Chicago, Ill.
North Star Woolen Mill Co. (and Steamer). 228 S 2nd, Minneapolis, Minn.

12540— Rock Salt Mfrs.

Ratsof Mining Co., 2 Rector, New York
Wadsworth Salt Co., Wadsworth, O.

Rock Wool

See Mineral Wool

12540a— Rockers (Blotter)

American Car & Foundry Co., 165 Broadway, New York
Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*

12541— Rockers (Carboy)

Barker Bros., Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
Elmer & Amend ("E. & A."), 205 E 18th, New York
McCord Horace M. & Co. ("Union"), Lbr. Exchange, Minneapolis, Minn.
Safety First Supply Co., 107H Third av, Pittsburgh, Pa.

12541a—Rod Heaters (Electric)

American Car & Foundry Co., 165 B'way New York

12541b— *Rod Mills

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
KENNEDY-VAN SAUN MFG. & ENG. CORP., 50 Church, New York
See adv index at end of book

Rods (Aluminum)

See Aluminum, Sheets & Rods

12542—Rods (Anchor or Guy)

American Equipment Co., Norristown, Pa.
Amos Chas & Co., Inc., 3000 Hart av, Detroit, Mich.
Bacon & Matheson Forge Co. (Anchor), 17H W Lander, Seattle, Wash.
Bethlehem Steel Co., So Bethlehem, Pa.
Bonney Forge & Tool Works, (Tilghman), Allentown, Pa.
Cleveland City Forge & Iron Co., Cleveland, O.
Galvanized Products Co., Phillipsburgh, N. J.
Graham Nut Co., 1317 W Carson, Pittsburgh, Pa.
Hallett Iron Works ("Hallett"), Harvey, Ill.
Hubbard & Co. (Drop Forged & Welded Eyes), 63d & Butler, Pittsburgh, Pa.
Joslyn Mfg. Co. & Supply Co., Chamber of Com. bldg, Chicago, Ill.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Line Material Co., South Milwaukee, Wis.
Merrill Bros., 3 Arnold, Maspeth (Boro of Queens), N. Y.
See adv index at end of book
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
Oliver Iron & Steel Co., S. 10th & Muriel, Pittsburgh, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Pittsburgh Knife & Forgee Co., Ridge & Chateau, Pittsburgh, Pa.
Pittsburgh Rivet Co., 38th & Junction R. R., Pittsburgh, Pa.
Republic Iron & Steel Co., Youngstown, O.
See Branch Offices Alphabetical Section
Republic Structural Iron Works Co., 1350 E 53d, Cleveland, O.
St. Louis Screw Co. (Guy Black & Galvanized), Clarence av E, St. Louis, Mo.
Smith Thos. Co., 288 Grove, Worcester, Mass.
Upson-Walton Co., The, 1100 W 11th, Cleveland, O.
Wrought Washer Mfg. Co., Milwaukee, Wis.

12543— Rods (Awning)

Cattie J. P. & Bro. (Galvanized), Gaul & E Letterly, Phila., Pa.
Fageol-Moss Shock Absorber Co. ("Moss"), 3512 Piedmont av, Oakland, Cal.
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
Oliver Iron & Steel o., S 10th & Muriel, Pittsburgh, Pa.

12543a— Rods (Bessemer)

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Frasse Peter A. & Co., Inc., 417 Canal, New York Works: Hartford, Conn.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Livermore, Homer F., Inc., 85 Pearl, Boston, Mass.

12544—Rods (Bessemer Coppered)

LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Washburn Wire Co., Phillipsdale, R. I.
Youngstown Sheet & Tube Co., Youngstown, O.

12545— Rods (Black Steel)

Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Kidd Drawn Steel Co., Aliquippa, Pa.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Youngstown Sheet & Tube Co., Youngstown, Ohio

12546— Rods (Brace)

American Equipment Co., Norristown, Pa.
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Pittsburg Knife & Forge Co. (Car Frame), Ridge & Chateau, Pittsburgh, Pa.
Wrought Washer Mfg. Co., Milwaukee, Wis.

12547—Rods (Brake Lever Connecting)

Bethlehem Steel Co., So. BethleLem, Pa.
Buckeye Forging Co., 10249 Harvard av, Cleveland, Ohio
Cleveland City Forge & Iron Co., Cleveland, O.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Michigan Electric Welding Co. (Automobile Assemblies), 514 Hart, Detroit, Mich.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Western Steel Car & Foundry Co., Farmers Bk. bldg, Pittsburgh, Pa.

12548—Rods (Brass & Copper)

AMERICAN BRASS CO., Waterbury, Conn.
For branch offices see adv index at end of book
Bridgeport Brass Co., E Main, Bridgeport, Conn.
Chase Metal Works, Div. Chase Co.'s, Inc. ("Chase"), Waterbury, Conn.
Chase Rolling Mills, Div. Chase Companies, Inc. ("Chase" also Bronze), Waterbury, Conn.
Conklin T. E. Brass & Copper Co. (Door), 54-60 Lafayette, New York
See adv index at end of book

Rods—Brass & Copper
Nearly three-quarters of a century serving the trade.
LARGE ASSORTED STOCK FOR IMMEDIATE DELIVERY
T. E. Conklin Brass & Copper Co., Inc.
54-60 Lafayette Street, New York
Established 1860 Tel. Franklyn 2900

Continuous Rolling Mills, Inc., Garwood, N. J.
Cramp Wm. & Sons Ship & Engine Bldg. Co. ("Cramps"), Richmond & Norris, Phila., Pa.
Dallas Brass & Copper Co., 225 N Jefferson, Chicago, Ill.
Detroit Copper & Brass Rolling Mills (also Bronze), Clark av, nr Wabash R. R., Detroit, Mich.
Dow Co. (Brass, Screen Door & Push), 201H N Buchanon, Louisville, Ky.
Eagle Tank Co., 2443 N Crawford av, Chicago
See adv index at end of book
Electric Materials Co., North East, Pa.
French Mfg. Co. (Irregular Shapes & Solid Drawn), Waterbury, Conn.
Gardner B. M. Co., Guardian bldg, Cleveland, O.
Hough W. S. Co., Dept H, Attleboro, Mass.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Livermore Homer F., Inc., 85 Pearl, Boston, Mass.
McKenna Brass Mfg. Co. (Jobbers), 1st av & Ross, Pittsburgh, Pa.
Manhattan Brass Co., 332 E 38th, New York
Marwedel C. W. (Jobbers), 76 1st, San Francisco, Cal.
MERCHANT & EVANS CO., Washington av & 21st, Philadelphia, Pa.
Michigan Copper & Brass Co., 5841 W Jefferson av, Detroit, Mich.
Mueller Metals Co. (Brass), Port Huron, Mich.
National Brass & Copper Tube Co., Inc., 639 Mission, San Francisco, Cal.
National Conduit & Cable Co. (Copper), Hastings-on-Hudson, N. Y.
New Jersey Tube Co. (Brass Only), Harrison, N. J.
North American Copper Co., 52 Vanderbilt av, New York
Philadelphia Brass Co., East Downingtown, Pa.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Randolph-Clowes Co. (Brass Only), Waterbury, Conn.
Rathbone A. B. & J. (Pinion Brass & Copper), Palmer, Mass.
Riverside Metal Co. (Red & Yellow Brass, Brass Only), Rivereside, N. J.
Rome Brass & Copper Co. ("Rome Quality"), Rome, N. Y.
Rome Wire Co. ("Rome Wire" & Bronze), Rome, N. Y.
See adv index at end of book
SCOVILL MFG. CO (Brass Only), Waterbury, Conn. *See adv index at end of book*
Standard Underground Cable Co., 17th & Pike, Pittsburgh, Pa.
Stimpson, Edwin B. Co. (Flat & coiled), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Taunton-New England Copper Co. (Copper Only), Taunton, Mass.
United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.
Waterbury Rolling Mills, Waterbury, Conn.
Western Steel Car & Foundry Co., 122 S Michigan, Chicago, Ill.
WHITEHEAD METAL PRODUCTS CO., 67-73 Washington North, Boston, Mass.
See adv index at end of book
Whitehead Metal Products Co. of N. Y., Inc., 261-7 Canal, New York & 43 N 7th, Phila., Pa.
See adv index at end of book
Williams & Co. Inc., 901-937 Penna. av, Pittsburgh, Pa.

12549—Rods (Bridge & Roof)

American Bolt Co., Birmingham, Ala.
American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
American Equipment Co., Norristown, Pa.
Bethlehem Steel Co., So Bethlehem, Pa.
Builders' Iron & Steel Co., 25 Garvey, Boston, Mass.
Cleveland City Forge & Iron Co., Cleveland, O.
Dependable Mfg. Co. ("Dependable" rear axle truss), 806H E Main, Streator, Illinois
Frelinger J. G. Iron Works, 115 W 2d, Cincinnati, O.
Gary Screw & Bolt Co., Gary, Ind.
Graham Nut Co., 1317 W Carson, Pittsburgh, Pa.
Hastings Foundry & Iron Works, Hastings, Neb.
Hedden Iron Construction Co., Lyons Farms, Newark, N. J.
Hoopes & Townsend Co., Broad & Bottonwood, Philadelphia, Pa.
Kansas City Bolt & Nut Co., Sheffield Station, Kansas City, Mo.
Lake Erie Bolt & Nut Co., ft of E 63rd, Cleveland, O.
Lanz M. Bolt C., 2907H Carson, Pittsburgh, Pa.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Lebanon Valley Iron & Steel Co., Lebanon, Pa.
Maryland Bolt & Forge Co., Mt. Washington, Baltimore, Md.
Merrill Bros., 3 Arnold, Maspeth (Boro of Queens), N. Y.
See adv index at end of book
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
New England Bolt Co., Everett, Mass.
Old Dominion Iron & Steel Corp., Belle Isle, Richmond, Va.
Pawtucket Mfg. Co., Pawtucket, R. I.
Payne's Bolt Works, 133 Howard, San Francisco, Cal.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Pittsburgh Forge & Iron Co., Chamber of Commerce bldg, Pittsburgh, Pa.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Pittsburgh Rivet Co., 38th & Junction R. R., Pittsburgh, Pa.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Preble Edw., 103 Sumner, E B, Boston, Mass.
Republic Auto Parts Co. (For Ford Cars), 81 Tench, Long Island City, New York
Republic Iron & Steel Co., Youngstown, O.
See Branch Offices Alphabetical Section
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
Scranton Bolt & Nut Co., Scranton, Pa.
Smith A. L. Iron Wks, Chelsea, Mass.
Smith Thos. Co., 288 Grove, Worcester, Mass.
Walker Mfg. Co., Racine, Wis.
Wendt Albert H., 329 Wash. Newport, Cincinnati, Ohio
Wilkins J. D., 204-6 West Lee, Greensboro, N. C.
Worden-Allen Co., Pt Washington rd, Milwaukee, Wis.

12550— Rods (Bronze)

See also Rods, Manganese Bronze
AMERICAN BRASS CO., Waterbury, Conn.
For branch offices see adv index at end of book
Bridgeport Brass Co., E Main, Bridgeport, Conn.
Chase Metal Works, Div. Chase Co.'s, Inc. ("Chamet"), Waterbury, Conn.
CONKLIN T. E. BRASS & COPPER CO., 54-60 Lafayette, New York
See adv index at end of book
Continuous Rolling Mills, Inc., Garwood, N. J.
Cramp Wm & Sons Ship & Engine Bldg. Co. ("Cramps"), Richmond & Norris, Phila., Pa.
Fischer-Sweeney Bronze Co., Hoboken, N. J.
Gardner B. M. Co., Guardian bldg, Cleveland, O.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Livermore Homer F., Inc., 85 Pearl, Boston, Mass.
National Brass & Copper Tube Co., Inc., 639 Mission, San Francisco, Cal.
North American Copper Co., 52 Vanderbilt av, New York
Randolph-Clowes Co. (Marine, for Pistons, Shafting & Forging Stock), Waterbury, Conn.
Riverside Metal Co., Riverside, N. J.
Scovill Mfg. Co., Waterbury, Conn.
See adv index at end of book
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Taunton New Bedford Copper Co., 267 W Water, Taunton, Mass.
Titan Metal Co., Bellefonte, Pa.
United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.
Vanadium Metals Co., Vanadium bldg, Pittsburgh, Pa.

12551-2— Rods (Camber)

Bethlehem Steel Co., So Bethlehem, Pa.

Rods (Carbon)

See Carbon Mfrs.

12553— Rods (Chair)

Corbin Screw Corp., New Britain, Conn.
KIRK-LATTY CO. (THE), 8500 Madison av, Cleveland, O.
Lamson & Sessions Co., 2188 Scranton rd, S W, Cleveland, O.
National Screw & Tack Co., Stanton av, S. E. & C. P. Ry., Cleveland, O.
Reed & Prince Mfg. Co. (Wood Screw Point), Worcester, Mass.
Russell Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
SHEET METAL MFG. CO. (THE), Box 508, Youngstown, O.
Townsend Co., New Brighton, Pa.
See adv index at end of book

12553a— Rods (Conductor)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Lanz M & Sons, 2907 Carson, Pittsburgh, Pa.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.

12554—Rods (Conduit Wiring & Cleaning)

Bissell F. Co. ("Security," Which Joint & Unjoint), Toledo, O.
Cleverly Electrical Wks, 17 N 17th, Phila. Pa.
Cope T. J. ("Cope's"), 2112 Sansom, Phila., Pa.
DIAMOND EXPANSION BOLT CO. ("Empire," "Go-Easy," "Trident"), 89 West, New York
See adv index at end of book
Meckel Fred L., 11 E 13th, Chicago, Ill.
National Metal Molding Co. (Automobile & Metallic), 1110 Fulton bldg, Pittsburgh, Pa.
Standard Underground Cable Co. ("Empire"), 17th & Pike, Pittsburgh, Pa.
Waldo Bros. & Bond Co. ("Felton"), 181 Congress, Boston, Mass.

12555— Rods (Connecting)

American Forge Works, 1428 13th, Denver, Colo.
Anderson Forge & Machine Co., Detroit, Mich.
Bay City Forge Co., 1820 Cranberry, Erie, Pa.
Bethlehem Steel Co., South Bethlehem, Pa.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Boston Forge Co., E Boston, Mass.
Brylgon Steel Casting Co. (Cast Steel), New Castle, Pa.
Camden Forge Co. (Pump), Camden, N. J.
Carnegie Steel Company, Carnegie bldg, Pittsburgh, Pa.
Chester Steel Castings Co., 407 Sanson, Phila., Pa.
Cleveland City Forge & Iron Co., Cleveland, O.
Columbus Anvil & Forging Co., Columbus, O.
Crucible Steel Co. of America (Forge), 17 E 42nd, New York
Driggs-Seabury Ordnance Co., Sharon, Pa.
Ellwood City Forge Co., Ellwood City, Pa.
Erie Forge Co. (Forged), Erie, Pa.
Ferry Cap & Set Screw Co., 2149 Scranton rd, Cleveland, O.
Graham Nut Co., 1317 W Carson, Pittsburgh, Pa.
Hill-Smith Metal Goods Co. ("H. S."), 82 Brookline av, Boston, Mass.
Ingalls-Shepard Division, Wyman-Gordon Co., Harvey, Ill.
Ives Mfg. Co. (Ford), Oswego, N. Y.
Joliet Forge Co., Irving & Franklin, Joliet, Ill.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Kelter-Elliott Co. ("Ketoco"), 31st & California, Chicago, Ill.
Kropp Forge Co., 5301 W Roosevelt, Chicago, Ill.
Laclede Steel Co., Arcade bldg, St. Louis, Mo.

(Continued on following page)

Rods (Connecting)—Continued

Ladish Drop Forge Co., Cudahy, Wis.
Lansing Forge Co., Lansing Mich.
Leard Wm. Co., 16th & 5th av, New Brighton, Pa.
Legler-Ellerman Co., Dayton, O.
Mesta Mach. Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
Modern Die & Drop Forge Co., H, 139th, Blue Island, Ill.
Ohio Forge Co. (Forged), Cleveland, O.
Pennington Geo. W. Sons, Inc., 1699 Montgomery, San Francisco, Cal.
Pettibone, Mulliken & Co., 14 S Dearborn, Chicago, Ill.
Phila. Steel & Forge Co., 50 Church, New York
Pittsburgh Knife & Forge Co. (Brake Lever), Ridge & Chateau, Pittsburgh, Pa.
Pittsburgh Rivet Co., 38th & Junction RR, Pittsburgh, Pa.
Pollak Steel Co., Cincinnati, O.
Pratt & Letchworth Co., 189 Tonawanda, Buffalo, N. Y.
Richmond Forgings Corp. (Drop Forged), Richmond, Va.
Sizer Forge Co., 238 Larkin, Buffalo, N. Y.
Standard Forgings Co., 80 E Jackson, Chicago, Ill.
STANDARD GAUGE STEEL CO., Beaver Falls, Pa.
See adv index at end of book
Steel Products Co., 2206 Clarkwood av, S E, Cleveland, O.
Tiffany Mfg. Co. ("Seco"), 50H Spring
Tindel-Morris Co., Eddystone, Pa.
Titusville Forge Co., Titusville, Pa.
Transue & Williams Steel Forging Corp. (Drop Forged), Alliance, O.
Union Drop Forge Co. (Drop Forged), 358 W Grand av, Chicago, Ill.
Union Switch & Signal Co., Swissvale, Pa.
Vulcan Steam Forging Co., 251 Rano, Buffalo, N. Y.
Western Drop Forge Co. (Drop Forged), P. O. Box 386, Marion, Ind.
Western Tool & Forge Co. (Automobile), Breckenridge, Pa.
Williams J. H. & Co., 400 Vulcan, Buffalo, N. Y.
Wood & Spencer Co., 1930 E 61st, Cleveland, Ohio

12556— Rods (Core)

Advance Engineering Co., Metta av, Cleveland, O.
Fishel & Marks Co., Ft. of Krakow av, Cleveland, Ohio
See adv index at end of book
Franklin Core Rod & Gagger Co., Franklin, Pa.
Marks & Fiske, 2507 24th, Detroit, Mich.

12557— Rods (Curtain)

American Ring Co., Waterbury, Conn.
Berbecker & Rowland Mfg. Co. (& Brass Curtain Fixtures), Waterville, Conn.
Crandall Machine Works (Fixtures), 1359 S Main, Los Angeles, Cal.
Embro Manufacturing Co. (Curved, Flat), Canton, Ohio
Estes E. B. & Sons (Wooden), 364 5th av, New York *See adv index at end of book*
Fowler & Co. (adjustable, self supporting), Vine, Worcester, Mass.
Gould-Mesereau Co. (Extension), 52 W 38th, New York
Henry C. P. Novelty Co. (Extension), 184 Early, Providence, R. I.
Jamestown Curtain Rod Co. ("Anchor"), Jamestown, N. Y.
Kenny Mfg. Co., 609 Wellington av, Auburn, R. I.
Kirsch Mfg. Co., Sturgis, Mich.
Newell Mfg. Co. (Brass, Steel & Brass Plated Extension), Ogdensburg, N. Y.
Parker Wire Goods Co. (Sash & Drapery Extension), Worcester, Mass.
Richards Benj. & Co., Winsted, Conn.
Turner & Seymour Mfg. Co. ("Curvex" & "T. & S."), Torrington, Conn.
Western Newall Mfg. Co. (Extension), Freeport, Ill.
Wickwire Spencer Steel Corp. ("Fowler"), 41 E 42nd, New York
See adv index at end of book
Washburn Co. (Wire Goods Div.), 28 Union, Worcester, Mass.

12558— Rods (Dock)

American Equipment Co., Norristown, Pa.
Cleveland City Forge & Iron Co., Cleveland, O.
Continental Bolt & Iron Works, 2225 W 43rd, Chicago, Ill
Harry L. C. Co., 114 Liberty, New York
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Pittsburgh Rivet Co., 38th & Junction RR, Pittsburgh, Pa.

12558a— Rods (Dowel)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
SOUTH BEND DOWEL CO., South Bend, Ind *See adv index at end of book*
Stiles, H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book

Est. 1847 **E. B. ESTES & SONS**
Manufacturers of
White Birch and Hardwood
DOWEL RODS
Grooved and Pointed Furniture Dowel Pins, Beaded and Rope Twist Dowels, Spindles, Knobs.
Betwells and Automatic Lathe Work for Furniture Factories
364 5th AVENUE NEW YORK CITY
"World's Largest Woodturners"

12559— Rods (Drill)

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Boker H. & Co., Inc., 101 Duane, New York
Carpenter Steel Co., River rd & Exeter, Reading, Pa.
Century Steel Co. of Am., Poughkeepsie, N. Y.
Colonial Steel Co., 324 4th av, Pittsburgh, Pa.
Crucible Steel Co. of America (Polished, Scoured, Lime-Finished, High Speed Steel), 17 E 42d, New York
Duke Steel Co. Inc., 191 Pearl, New York
Frasse Peter A. & Co. (Inc.), ("Brunton's"), Also High Speed), 417 Canal, New York
Globe Wire Co. (Ltd.) (Polished), Sharpsburg, Pa.
Greaves Robt. K. & Co., 1336 W Washington blvd, Chicago, Ill.
Halcomb Steel Co. (Crucible Steel), Syracuse, N. Y.
Kidd Drawn Steel Co. (Polished, Square & Special), Aliquippa, Pa.
Lancaster Steel Products Co., Lancaster, Pa.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
National Tube Co. ("Shelby" Seamless Steel Tubing), Frick bldg, Pittsburgh, Pa.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Pittsburgh Tool Steel Wire Co. ("Monaca," "Champion"), Monaca, Pa.
Potts Horace T. & Co., Erie & Wood, Philadelphia, Pa.
Swedish Steel Sales Co., Suite 1420, Grand Central Terminal bldg, New York
WETHERELL BROS. CO., 251 Albany, Cambridge, Mass.
See adv index at end of book
Wickwire Spencer Steel Corp. (High Speed Steel), 41 E 42nd, New York
See adv index at end of book

12560—Rods (End Measuring)

Brown & Sharpe Mfg. Co., Providence, R. I.
Slocomb Co., J. T., 35 Oxford, Providence, R. I.

12561— Rods (Eye)

See also Bolts, Hook & Eye

American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
Anderson Forge & Machine Co., Detroit, Mich.
Bethlehem Steel Co., So. Bethlehem, Pa.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Cleveland City Forge & Iron Co., Cleveland, O.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
Merrill Bros., 3 Arnold, Maspeth (Boro of Queens), N. Y.
See adv index at end of book
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Pittsburgh Rivet Co., 38th & Junction R. R., Pittsburgh, Pa.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
Scranton Bolt & Nut Co., Scranton, Pa.

Rods (Fibre)

See Fibre, Hard

12562— Rods (Fishing)

American Display Co. ("Stubby" Steel), 508 Canby bldg, Dayton, Ohio
American Fork & Hoe Co., Keith bldg, Cleveland, O.
Bogert & Hooper, Inc. (Wooden), 57 Barclay, New York
See adv index at end of book
Divine Fred D. Co., Utica, N. Y.
Estes E. B. & Sons (Wooden), 364 5th av, New York. *See adv index at end of book*
Heddon Jas. & Son ("Dowagiac"), Dowagiac, Mich.
Horrocks-Ibbotson Co., Utica, N. Y.
Horton Mfg. Co. ("Bristol," "Rainbow," "Luckie" Steel), Bristol, Conn.
Montague City Rod Co., Montague City, Mass.
Orvis Chas. F. Co. (Split Bamboo), Manchester, Vt.
Payne E. F. & Son, Highland Mills, N. Y.
Pepper John, Sr., Rome, N. Y.
Thomas Rod Co. ("Thomas" Split Bamboo), Bangor, Me.
Union Hardware Co. (Steel), Torrington, Conn.
Van Doren Mfg. Co. ("Champion" Steel), Chicago Heights, Ill.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

12563— Rods (Free Cutting)

AMERICAN BRASS CO., Waterbury, Conn. For Branch Offices, see adv index at end of book

12564—Rods (Gauging & Wantage)

Kraft A. C. (Barrel), 323 W Lake, Chicago, Ill.
Lufkin Rule Co., Saginaw, Mich.
Redlich Mfg. Co., 637-647 W Oak, Chicago, Ill.
Stanley Rule & Level Plant, New Britain, Conn.
Tagliabue Chas. J. Mfg. Co., 18 33d, Brooklyn, N. Y.

Rods (Glass)

See Tubing, Glass

12564a— Rods (Ground)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

Rods (Gun Cleaning)

See Tools, Gun Cleaning & Reloading

Rods (Hard Fibre)

See Fibre, Hard

12565—Rods (Hollow Drill)

Crucible Steel of America (Steel), 17 E 42nd, New York
Duke Steel Co. Inc., 191 Pearl, New York
Swedish Steel Sales Co., Ltd., 5111 2nd av, Brooklyn, N. Y.

12566— Rods (Hydrant)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Hays Mfg. Co., Erie, Pa.
See adv index at end of book
Salem Brass & Iron Mfg. Co., Salem, N. J
Sanitary Co., Dept. H, Linfield, Pa.

12567— Rods (Leveling)

Buff & Buff Mfg. Co., 98 Green, Jamaica Plains, Boston, Mass.
Chicago Steel Tape Co., 6231 Cottage Grove av, Chicago, Ill.
Gurley W. & L. E. (& Stadia Rods), Troy, N. Y.
Keuffel & Esser Co., Hoboken, N. J.
Weber Co., F., 1220 Buttonwood, Philadelphia, Pa.

12568-9—Rods (Manganese Bronze)

American Manganese Bronze Co., 3501 Rhawn, Philadelphia, Pa.
Cramp Wm. & Sons Ship & Engine Bldg. Co. ("Parsons"), Richmond & Norris, Phila., Pa.
Economy Welding Machine Co. ("Economy"), Kansas City, Mo.
Lumen Bearing Co., 200 Lathrop, Buffalo, N. Y.
See adv index at end of book
Reeves Paul S. & Co. (Rolled), 1415 Catharine, Phila., Pa.
Riverside Metal Co., Riverside, N. J.
Taunton New Bedford Copper Co., 267 W Water, Taunton, Mass.

12570— Rods (Measuring)

Aloe A. S. Co., 513 Olive, St. Louis, Mo.
Brown & Sharpe Mfg. Co., Providence, R. I.
Elliott B. K. Co. (Level & Mine), 126 6th, Pittsburgh, Pa.
Keuffel & Esser Co., Hoboken, N. J.
Pratt Engineering & Machine Co. (Acid), Atlanta, Ga.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Scott Olin (Est. of) (U. S. Standard), Bennington, Vt.
Slocomb J. T. Co., 35 Oxford, Providence, R. I.
Weber Co., F., 1220 Buttonwood, Philadelphia, Pa.

12571— Rods (Mitre)

Disston Henry & Sons (Masons), Tacony, Phila., Pa.

12572— Rods (Monel Metal)

Autoscrew Co., 355 W Broadway, New York *See adv index at end of book*
Driver-Harris Co., Harrison, N. J.
See adv index at end of book

Eagle Tank Co., 2443 N Crawford av, Chicago
See adv index at end of book
Electrical Alloy Co. (Round, Flat & Special Shapes), Morristown, N. J.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
Steel Sales Corp., 129 S Jefferson, Chicago, Illinois
WHITEHEAD METAL PRODUCTS CO., 67-73 Washington, N, Boston, Mass.
See adv index at end of book
Whitehead Metal Products Co. of N. Y., Inc., 261-7 Canal, New York, & 43 N 7th, Phila., Pa.
See adv index at end of book
Williams & Co. (Inc.), 901-937 Pennsylvania av, Pittsburgh, Pa.

12573—Rods (Morris Chair)

Berbecker & Rowland Mfg. Co. (Brass), Waterville, Conn.

12574—*Rods (Naval Bronze)

AMERICAN BRASS CO., Waterbury, Conn.
For branch offices see adv index at end of book
Conklin T. E. Brass & Copper Co., 54-60 Lafayette, New York
See adv index at end of book

Rods—Naval Bronze
Nearly three-quarters of a century serving the trade.
LARGE ASSORTED STOCK FOR IMMEDIATE DELIVERY
T. E. Conklin Brass & Copper Co., Inc.
54-60 Lafayette Street, New York
Established 1860 Tel. Franklyn 2900

12574a— Rods (Nickel)

Alloy Metal Wire Co., Moore, Pa.
See adv index at end of book
Am. Nickel Corp. (Malleable), Clearfield, Pa.
International Nickel Co., 67 Wall, New York
Steel Sales Corp., 129 S Jefferson, Chicago, Ill.
Williams & Co. (Inc.), 901-937 Pennsylvania av, Pittsburgh, Pa.

12574b— Rods (Nickel Silver)

AMERICAN BRASS CO. (& "Ambrac" Metal), Waterbury, Conn.
For branch offices see adv index at end of book
Besly Chas. H. & Co. (Jobbers), 120 E Clinton, Chicago, Ill.
CONKLIN T. E. BRASS & COPPER CO., 54-60 Lafayette, New York
See adv index at end of book

Nickel Silver—Rods
Nearly three-quarters of a century serving the trade.
LARGE ASSORTED STOCK FOR IMMEDIATE DELIVERY
T. E. Conklin Brass & Copper Co., Inc.
54-60 Lafayette Street, New York
Established 1860 Tel. Franklyn 2900

Hough W. S. Co., Dept H, Attleboro, Mass.
North American Copper Co., 52 Vanderbilt av, New York
Plume & Atwood Mfg. Co., Waterbury, Conn.
Reeves Paul S. & Co., 1415 Catharine, Phila., Pa.
Riverside Metal Co., Riverside, N. J.
SCOVILL MFG. CO., Waterbury, Conn.
See adv index at end of book
Seymour Mfg. Co., Seymour, Conn.
Shimer, McGlynn & Co., 19th & Washington av, Phila., Pa.
Stimpson Edwin Co. (Flat & Coiled), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Whitehead Metal Products Co. of N. Y., Inc., 261-7 Canal, New York, & 43 N 7th, Phila., Pa.
See adv index at end of book

12575—Rods (Phosphor Bronze)

AMERICAN BRASS CO., Waterbury, Conn.
For branch offices see adv index at end of book
Conklin T. E. Brass & Copper Co., 54-60 Lafayette, New York
See adv index at end of book
Cramp Wm. & Sons Ship & Engine Bldg. ("Cramps"), Richmond & Norris, Phila., Pa.
Hough W. S. Co., Dept H, Attleboro, Mass.
Hungerford U. T. Brass & Copper Co., 56 Lafayette, New York
Livermore Homer F., Inc., 85 Pearl, Boston, Mass.
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
North American Copper Co., 52 Vanderbilt av, New York
PHOSPHOR BRONZE SMELTING CO., 2202 Washington av, Phila., Pa.
Reeves Paul S. & Co. (Rolled), 1415 Catharine, Phila., Pa.
Riverside Metal Co., Riverside, N. J.
Seymour Mfg. Co., Seymour, Conn.
Whitehead Metal Products Co., 67-73 Washington, North, Boston, Mass.
See adv index at end of book
Whitehead Metal Products Co. of N. Y., Inc., 261-7 Canal, New York & 43 N 7th, Phila., Pa.
See adv index at end of book

12575a— Rods (Pinion)

American Brass Co., Waterbury, Conn.
For branch offices see adv index at end of book
Boston Gear Works (Brass & Steel), Norfolk Downs, Quincy, Mass.
See adv index at end of book
Meisselbach-Catucci, Mfg. Co., 56 Stanton, Newark, N. J.
See adv index at end of book

12576— Rods (Piston)

American Brass Co., Waterbury, Conn. For Branch Offices, see adv index at end of book
American Car & Foundry Co., Syndicate **Trust bldg, St. Louis, Mo.**
American Forge Works, 1428 13th, Denver, Colo.
American Hollow Boring Co., 1055 W 19th, Erie, Pa.
Bay City Forge Co., 1820 Cranberry, Erie, Pa.
Bethlehem Steel Co., South Bethlehem, Pa.
Boston Forge Co. (Steel), E Boston, Mass.
Braeburn Steel Co. (Steel), Braeburn, Pa.
Brightman Mfg. Co., Columbus, O.
Camden Forge Co. (Locomotive), Camden, N. J.
Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
Chambersburg Engng Co. (Hammers), Chambersburg, Pa.
Columbia Steel & Shafting Co., Carnegie, Pa.
Crucible Steel Co. of America, 17 E 42nd, New York
Driggs-Seabury Ordnance Co., Sharon, Pa.
Electric Steel & Forge Co., 6603 Grant av, Cleveland, O.
Erie Forge Co. (Heads, Hollow Bored or Solid), Erie, Pa.
Igoe Brothers (In Rolls, Plain & Slate Surface), 61-73 Metropolitan av, Brooklyn, N. Y. *See adv index at end of book*
Jones & Laughlin Steel Co. (Cold Rolled Steel), Ross, Pittsburgh, Pa.
Kropp Forge Co., 5301 Roosevelt rd, Chicago
See adv index at end of book
Laclede Steel Co., Arcade bldg (Drop Steam Hammers), Federal Bank bldg, St. Louis, Mo.
Leard Wm. Co., 16th & 5th av, New Brighton, Pa.
Midvale Co., Nicetown, Phila., Pa.
National Forge & Tool Co., Irvine, Pa.
Penna. Forge Co., Ash & Bath, Phila., Pa.
Phila. Steel & Forge Co., 50 Church, New York
Phosphor Bronze Smelting Co., 2202 Washington av, Phila., Pa.
Reeves Paul S. & Co. (Red & Yellow Brass, Bronze, also "Tubal" Manganese, Phosphor & Acid Resisting Bronze), 1415 Catharine, Phila., Pa.
Republic Iron & Steel Co. (Cold Drawn Polished Steel), Youngstown, O.
See Branch Offices Alphabetical Section
Riverside Metal Co. (Red & Yellow Brass, Bronze, Manganese Bronze, Phosphor & Acid Resisting Bronze), Riverside, N. J.
Standard Forgings Co., 80H E Jackson, Chicago, Ill.
Standard Steel Wks. Co., Morris bldg, Phila., Pa.
Taunton-New Bedford Copper Co. (Yellow Metal), Taunton, Mass.
Titusville Forge Co., Titusville, Pa.
Union Drawn Steel Co. (Cold Drawn Steel), Beaver Falls, Pa.
See adv index at end of book
Withers Foundry & Machine Works, Atlanta, Ga.

Rods (Platinum)

See Platinum, Sheet & Wire

12577— Rods (Pump)

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
American Well Works, Aurora, Ill.
Bethlehem Steel Co., Bethlehem, Pa.
Hess & Laughlin, Harvey, Ill.
COLUMBUS SUCKER ROD CO. THE, Columbus, O.
Cook August D., Lawrenceburg, Ind.
Fitzsimons Co. (Polished Steel), Wilson av, Youngstown, Ohio
See adv index at end of book
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book

INCO Monel metal
PUMP RODS
1—Outwear Bronze and Steel.
2—Become Polished in Service, Preserving Packing and Conserving Power.
3—U. S. Navy, Oil Producers, Power Plants, etc., Have Standardized on Monel Metal Pump Rods.
4—You Can Save Money This This Way Also!
SEE OUR INSERT AT MONEL METAL
THE INTERNATIONAL NICKEL COMPANY
67 Wall Street New York, N.Y.

Jones & Laughlin Steel Co. (Cold Rolled Steel), Ross, Pittsburgh, Pa.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Norris W. C., Tulsa, Okla.
Reeves Paul S. & Co. (Red & Yellow Brass, Bronze, also "Tubal" Manganese, Phosphor & Acid Resisting Bronze), 1415 Catharine, Phila., Pa.
Republic Iron & Steel Co. (Cold Drawn Polished Steel), Youngstown, O.
See Branch Offices Alphabetical Section
Riverside Metal Co. (Red & Yellow Brass), Phosphor Bronze, Manganese & Acid Resisting Bronze), Riverside, N. J.
ROEBLING'S JOHN A. SONS CO., Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book
Taunton-New Bedford Copper Co. (Yellow Metal), Taunton, Mass.
Union Drawn Steel Co. (Cold Drawn Steel), Beaver Falls, Pa.
See adv index at end of book
Williams & Co. (Inc.), 901-937 Pennsylvania av, Pittsburgh, Pa.

12577a—*Rods ("Pyralin")

DU PONT E. I. DE NEMOURS & CO. INC., (See Adv. at Celluloid), Pyralin Div., Arlington, N. J.
See adv index at end of book

12578— Rods (Radius)

Bear Mfg. Co., Dept. H, Rock Island, Ill.
Bridgers J. D. Co., Dept. H, Florence, S. C.
Burgess-Norton Mfg. Co., Dept. H, Geneva, Ill.
Central States Steel Equipment Co. ("Better-Bilt" & "Central States"), Center & Allen, Joliet, Ill.
Cincinnati Ball Crank Co. ("Balcrank"), N Oakley, Cincinnati, Ohio
Dependable Mfg. Co. ("Dependable" Supports), 806H E Main, Streator, Ill.
Frazier W. S. & Co. (For Fords), Dept. H, Aurora, Ill.
G. B. Garage & Mfg. Co., Dept. H, Hempstead, N. Y.
Green Bay Drive Calk Co., Dept. H, Green Bay, Wis.
Hudson Motor Specialties Co., 21st & Market, Phila., Pa.
Niagara Motors Corp., Dept H, Dunkirk, N. Y.
Prescott J. B. & Son, Dept. H, Webster, Mass.
Republic Auto Parts Co., Inc., Dept. H, Vernon av & 10th, Long Island City, N. Y.
Standard Steel Tube Co., Dept. H, Toledo, Ohio
Steel Products Co., 2206H Clarkwood av, Cleveland, O.

12578a—Rods (Reinforcing, Twisted Squares)

Igoe Bros., Av A & Poinier, Newark, N. J.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book

12579— *Rods (Resistance)

Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

12580— Rods (Rivet)

Bethlehem Steel Co., Bethlehem, Pa.
Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
Carnegie Steel Co. (Open Hearth Steel), Carnegie bldg, Pittsburgh, Pa.

12581—Rods (Roller Bearings)

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book

Union Drawn Steel Co. (Cold Drawn High Carbon Steel), Beaver Falls, Pa.
See adv index at end of book

Washburn Wire Co., Philipsdale, R. I.

Rods (Rubber)

See Rubber Rods & Sheets

12582—Rods (Sash Curtain)

Res Mfg. Co. ("Res"), 2907 Meinecke av, Milwaukee, Wis.

Turnere & Seymour Mfg. Co., Torrington, Conn.

Wickwire Spencer Steel Corp., 41 E 42nd, New York
See adv index at end of book

Williams White Co. (Straight), Moline, Ill.

Washburn Co. (Wire Goods Div.) (Adjustable), 28 Union, Worcester, Mass.

12583— Rods (Screw)

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book

Bethlehem Steel Co. (Steel & Iron), Bethlehem, Pa.

Disston Henry & Sons, Tacony, Phila., Pa.

Eagle Tank Co., 2443 N Crawford av, Chicago
See adv index at end of book

Fitzsimons Co. (Polished Steel), Wilson av, Youngstown, Ohio
See adv index at end of book

Jones & Laughlin Steel Co. (Steel Bessemer), Ross, Pittsburgh, Pa.

LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book

Parker Chas. Co., Meriden, Conn.

Peck, Stow & Wilcox Co. ("Samson"), Southington, Conn.

12583a— Rods (Seat)

Reed & Prince Mfg. Co., Worcester, Mass.

12584— Rods (Sewer)

Bissell F. Co. ("Security," Which Joint & Unjoint With Attachable Tools), Toledo, O.

Diener Geo. W. Mfg. Co., 40 Monticello Co., Chicago, Ill.

Healey P. J., 26 Cortlandt, New York

Hungerford U. T. Brass & Copper Co. ("Star," "Anvil"), 86 Lafayette, New York

Waldo Bros. & Bond Co. ("Felton"), 181 Congress, Boston, Mass.

12585— Rods (Side)

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.

Camden Forge Co. (Locomotive), Camden, N. J

Carbon Steel Co., ft. 32nd, Pittsburgh, Pa.

Erie Forge Co. (For Brick Machines), Erie, Pa.

Laclede Steel Co., Arcade bldg, St. Louis, Mo.

Leard Wm. Co., 16th & 5th av, New Brighton, Pa.

McMyler-Interstate Co. (The) (Locomotive), Cleveland, Ohio
See adv index at end of book

Standard Forgings Co., 80H E Jackson, Chicago, Ill.

Standard Steel Works Co. Morris bldg, Phila., Pa.

Williams White & Co. (Straight), 301 8th, Moline, Ill.

12586— Rods (Silo)

American Equipment Co., Norristown, Pa.

Hamilton Wm. Sons Car Co., Newark, O.

Inland Steel Co. (Open Hearth Steel), 38 S Dearborn, Chicago, Ill.

Irving Robert M., Syracuse, N. Y.

Kansas City Bolt & Nut Co., Kansas City, Mo.

Laclede Steel Co., Arcade bldg, St. Louis, Mo.

Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.

St. Louis Screw Co., Clarence av E, St. Louis, Mo.

12587— Rods (Stair)

Berbecker & Rowland Mfg. (Brass Plated), Waterville, Conn.

Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

Judd H. L. Co., 87 Chambers, New York

Kroder John & Hy. Reubel Co. (Wood, etc.), 107 E. 17th, New York

12588— Rods (Steel)

Bethlehem Steel Co. (Bolt), Bethlehem, Pa.

Columbia Steel Co., 503 Market, San Francisco, Cal.

Fort Wayne Iron Steel Rolling Mills, W Taylor, Ft. Wayne, Ind.

LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book

J. K. LARKIN & CO.

253 Broadway
NEW YORK

Washburn Wire Co., Phillipsdale, R. I.

Wheeling Steel Corp., Wheeling, W. Va.

Wickwire Spencer Steel Corp., 41 E 42nd, New York
See adv index at end of book

Rods (Steel Hammer)

See Rods & Rams, Steel Hammer

12589— Rods (Stove)

Adams Company (Jobbers), (Slotted Heads), Dubuque, Ia.

American Screw Co., 21 Stevens, Providence, R. I.

Berry Bros. (And Seat), Columbus, O.

Boston Forge Co. (Steel), E, Boston, Mass.

Braeburn Steel Co. (Steel), Braeburn, Pa.

Brightman Mfg. Co., Columbus, O.

Carbon Steel Co., ft. 32d, Pittsburgh, Pa.

Columbia Steel & Shafting Co., Carnegie, Pa.

Corbin Screw Corporation, New Britain, Conn.

Crucible Steel Co. of America, 17 E 42nd, New York

Driggs-Seabury Ordnance Corp., Sharon, Pa.

Fanner Mfg. Co., Cleveland, O.

Ireland & Matthews Mfg. Co., Beard & Chatfield, Detroit, Mich.

KIRK-LATTY MFG. CO. (THE), 8500 Madison av, Cleveland, O.
See adv index at end of book

Lamson & Sessions Co., 2188 Scranton rd, S W, Cleveland, O.

Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.

National Screw & Tack Co., Stanton av S E & C. & P. Ry, Cleveland, O.

Ohio Nut & Bolt Co., Berea, O.

Reed & Prince Mfg. Co., Worcester, Mass.

Russell, Burdall & Ward Bolt & Nut Co., Port Chester, N. Y.

Troy Nickel Works, Albany, N. Y.

Washburn Wire Co., Phillipsdale, R. I.

Wehrle Co., Newark, O.

12590— Rods (Sucker)

American Well Works, Aurora, Ill.
See adv index at end of book

Axelson Machine Co. ("Axelson" Oil Well), Boyle av, Los Angeles, Cal.

Bradford Supply Co., Bradford, Pa.

COLUMBUS SUCKER ROD CO. THE, Columbus, O.

Cook August D. (Wood), Lawrenceburg, Ind.

D. & B. Pump & Supply Co., 301 W av 26, Los Angeles, Cal.

Kansas City Bolt & Nut Co., Kansas City, Mo.

Keystone Driller Co., Beaver Falls, Pa.
See adv index at end of book

Marion Machine Foundry & Supply Co., Marion, Ind.

Norris W. C., Tulsa, Okla.

Oil Well Supply Co., 215 Water, Pittsburgh, Pa.

St. Louis Screw Co., Clarence av E, St. Louis, Mo.

Vogan J. P., Franklin, Pa.

Weinman Pump Mfg. Co. (Wood), 300 Spruce, Columbus, O.

12591— Rods (Threaded)

American Equipment Co., Norristown, Pa.

Austin & Smith Co. (5/32" to ½"), 164 Brewery, New Haven, Conn.
See adv index at end of book

Bethlehem Steel Co., Bethlehem, Pa.

Eagle Tank Co., 2443 N Crawford av, Chicago
See adv index at end of book

LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book

Pawtucket Mfg. Co., Pawtucket, R. I.

Pheoll Mfg. Co., 3700 W 12th, Chicago, Ill.

St. Louis Screw Co., Clarence av E, St. Louis, Mo.

Townsend Co., New Brighton, Pa.
See adv index at end of book

12592— Rods (Tie)

American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*

American Bridge Co. (For Steel Railways, Roofs, etc), 30 Church, New York

American Equipment Co., Norristown, Pa.

Ames W. & Co., Woodward, Jersey City, N. J.

Bacon & Matheson Forge Co., 17H W Lander, Seattle, Wash.

Bethlehem Steel Co., So. Bethlehem, Pa.

Chicago Railway Signal & Supply Co., 122H So Michigan av, Chicago, Ill.

Cincinnati Ball Crank Co. ("Balcrank"), N Oakley, Cincinnati, Ohio

Cleveland City Forge & Iron Co., Cleveland, O.

Crown Iron Wks. Co., 1229 Tyler, Minneapolis, Minn.

Eagle Tank Co., 2443 N Crawford av, Chicago
See adv index at end of book

Easton Car & Construction Co., 36 Holley, Easton, Pa.
See adv index at end of book

Foster Mfg. & Supply Co., 20th & Venango, Phila., Pa.

Harrison Bolt & Nut Co., Harrison, N. J.

Hubbard & Co., 63d & Butler, Pittsburgh, Pa.

Illinois Car & Mfg. Co., Hammond, Ind.

Interstate Bridge Forge & Mfg. Co., 30 Clinton, Newark, N. J.

Kansas City Bolt & Nut Co., Kansas City, Mo.

Kirk-Latty Mfg. Co. (The), 8500 Madison av, Cleveland, O.
See adv index at end of book

Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.

Lebanon Valley Iron & Steel Co., Lebanon, Pa.

Maryland Bolt Co., Continental bldg, Baltimore, Md.

Maryland Bolt & Forge Co., Mt. Washington, Baltimore, Md.

Merrill Bros., 3 Arnold, Maspeth (Boro of Queens), N. Y.
See adv index at end of book

Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.

Mulvey Chas. Iron Works, 1840 Carroll av, Chicago, Ill.

Pawtucket Mfg. Co., Pawtucket, R. I.

Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.

Republic Iron & Steel Co., Youngstown, O.
See Branch Offices Alphabetical Section

Republic Structural Iron Works Co., 1350 E 53d, Cleveland, O.

St. Louis Screw Co. (Switch), Clarence av E, St. Louis, Mo.

Scranton Bolt & Nut Co., Scranton, Pa.

Starke Adolph (Est of), Dept H Columbia & Sigourney, Brooklyn, N. Y.

Steel Car Forge Co. (Upset or Plain Threaded), Frick bldg, Pittsburgh, Pa. Works: Ellwood City, Pa.

Western Tool & Forge Co., Brackenridge, Pa.

Williams White & Co., 301 8th, Moline, Ill.

Witherow Steel Co., Keystone bldg, Pittsburgh, Pa.

12593—* Rods ("Tobin" Bronze & Copper)

AMERICAN BRASS CO., Waterbury, Conn.
See adv index at end of book

12594— Rods (Towel)

See also Racks, Towel

American Tube & Stamping Co. (Removable, Adjustable, Can Be Made Any Length), Bridgeport, Conn.

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*

Estes E. B. & Sons (Wooden), 364 5th av, New York *See adv index at end of book*

South Bend Dowel Co., South Bend, Ind.
See adv index at end of book

Stephenson C. H. ("Stephenson" Glass & Metal), Lynn, Mass.

Wickwire Spencer Steel Corp., 41 E 42nd, New York
See adv index at end of book

12594a— *Rods (Umbrella)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York

Estes E. B. & Sons (Wood), 364 5th av, New York *See adv index at end of book*

12595— Rods (Upset)

AMERICAN BOLT CORP., Whitehall bldg, New York
See adv index at end of book

American Bridge Co., 30 Church, New York

Bethlehem Steel Co., So. Bethlehem, Pa.

Bonney Forge & Tool Works, Tilghman, Allentown, Pa.

Cleveland City Forge & Iron Co., Cleveland, O.

Continental Bolt & Iron Works, 2225 W 43d, Chicago, Ill.

Gary Screw & Bolt Co. (With Upset or Plain Ends), Gary, Ind.

Hamilton Wm. Sons Car Co., Newark, Ohio

Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.

Illinois Car & Mfg. Co., Hammond, Ind.

Kansas City Bolt & Nut Co., Kansas City, Mo.

Kirk-Latty Mfg. Co. (The), 8500 Madison av, Cleveland, O.
See adv index at end of book

LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book

O'Leary Arthur J. & Son Co., 65th & So. 57th av, Chicago, Ill.

Old Dominion Iron & Steel Corp., Belle Isle, Richmond, Va.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Pittsburgh Rivet Co., 38th & Junction R. R., Pittsburgh, Pa.
Pittsburgh Screw & Bolt Co. (With Upset or Plain Ends), Preble av, Pittsburgh, Pa.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.

ST. PAUL FOUNDRY CO., Como av & Mackubin, St. Paul, Minn.
See adv index at end of book
Steel Car Forge Co., Frick bldg, Pittsburgh, Pa.
Townsend Co., New Brighton, Pa.
See adv index at end of book
Upson-Walton Co. (The), 1100 N 11th, Cleveland, Ohio
Valley Forging Co., Verona, Pa.

12597—Rods (Vulcanized Fibre)

See also Fibre, Hard

Continental Fibre Co. ("Bakelite Dilecto" & "Continental Bakelite"), Newark, Del.

DELAWARE HARD FIBRE CO., Wilmington, Del. Works: Marshallton, Del. *See adv index at end of book*

National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book

12598— Rods (Welding)

Admiral Welding Mach. Co., 1607 Locust, Kansas City, Mo.
AMERICAN BRASS CO. (Non-Ferrous), Waterbury, Conn. For Branch Offices
See adv index at end of book
Am. Steel & Wire Co., 208 S La Salle, Chicago, Ill. *See adv index at end of book*
Atlas Foundry Co., Lyons av & Colt, Irvington, N. J.
Bierman-Everett Foundry Co., Irvington, N. J.
Cramp Wm. & Sons Ship & Engine Bldg. ("Cramps"), Richmond & Norris, Phila., Pa.
Carbic Mfg. Co. (Oxy-Acetylene), Duluth, Minn.
Connecticut Electric Steel Co., Inc. (Arc & Gas for Steel, Gas for Iron), Hartford, Conn.
Economy Welding Machine Co. (Aluminum, Brass, Cast Iron, Phosphor Bronze, Steel & Swedish Wire), Kansas City, Mo.

ELECTRIC ARC CUTTING & WELDING CO. (Flux Coated & Covered), 152-156 Jelliff av, Newark, N. J.
See adv index at end of book

INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book



MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Metalweld Service Corp., ("Metalweld"), 2617 Hunting pk, Phila., Pa.
National Aluminum Co., Racine, Wis.
Ohio Electrolytic Oxygen Co. ("Armco"), 942 Kenyon av, Cincinnati, O.

OXWELD ACETYLENE CO., 30 E 42nd, New York
See adv index at end of book

Page Steel & Wire Co., Grand Central Terminal, New York
Pal-Weld Mfg. Co., Inc. ("Pal-Weld" Aluminum), 1207 Pine, Seattle, Wash.
Steel Sales Corp. (Nickel), Jefferson & Adams, Chicago, Ill.
Swedish Steel Sales Co., Suite 1420, Grand Central Terminal bldg, New York
Townsend Co., New Brighton, Pa.
See adv index at end of book

WELDING MATERIALS CO., 116 Liberty, New York

12599—Rods (White Metal)

Riverside Metal Co., Riverside, N. J.
Seymour Mfg. Co., Seymour, Conn.

12600— Rods (Wire)

ALLOY METAL WIRE CO., Moore, Pa.
See adv index at end of book
Am. Rolling Mill Co., Middletown, Ohio

AMERICAN STEEL & WIRE CO. (Of Open Hearth & Bessemer Steel), 208 S La Salle, Chicago, Ill.
See adv index at end of book

Ashland Steel Co. (Bessemer Steel, Ashland, Ky.
Atlantic Steel Co. (Open Hearth Steel), Atlanta, Ga.
Carpenter Steel Co., Reading, Pa.
Colorado Fuel & Iron Co., Denver, Colo.
Gulf States Steel Co., Birmingham, Ala.
Illinois Steel Co. (Consumed by Corpn.), 208 S La Salle, Chicago, Ill.
Interstate Iron & Steel Co. (Open Hearth), 104 S. Michigan av, Chicago, Ill.
Kokomo Steel & Wire Co. (Small), Kokomo, Ind.

LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book

McInnes Charles E. & Co., Mariner & Mchts. bldg, Phila., Pa.
Page Steel & Wire Co., Grand Central Terminal, New York
Phillips F. R. & Sons Co., NW Cor. 15th & Chestnut, Phila., Pa.
Pittsburgh Steel Co., 5th av & Grant, Pittsburgh, Pa.

ROME WIRE CO., Rome, N. Y.
See adv index at end of book

Standard Underground Cable Co. (Copper Wire Only), Westinghouse bldg, Pittsburgh, Pa.
Swedish Steel Sales Co., Suite 1420, Grand Central Terminal bldg, New York
Washburn Wire Co., Phillipsdale, R. I.
Wheeling Steel Corp., Wheeling, W. Va.
Wickwire Bros., Cortland, N. Y.
Wickwire Spencer Steel Corp., 41 E 42nd, New York
See adv index at end of book
Wilson Steel Products Co., Dept. H, 49th & Western av, Chicago, Ill.

12601— Rods (Wood Saw)

Disston H. & Sons, Tacony, Phila., Pa.
Sargent & Co. ("Ajax"), New Haven, Conn.

12602—Rods (Yellow Metal)

AMERICAN BRASS CO., Waterbury, Conn.
For branch offices see adv index at end of book
Taunton New Bedford Copper Co., 267 W Water, Taunton, Mass.

12603— Rods (Zinc)

Edes Mfg. Co., Plymouth, Mass.
North American Copper Co., 52 Vanderbilt av, New York
Stimpson Edwin B. Co. (Flat & Coils), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book

12604—Rods & Rams (Steel Hammer)

AMERICAN HOLLOW BORING CO., 1055 W 19th, Erie, Pa.
Bay City Forge Co., 1826 Cranberry, Erie, Pa.
Bethlehem Steel Co., South Bethlehem, Pa.
Titusville Forge Co., Titusville, Pa.

12605—Roll Bars & Bed Plates (Paper Mill Engine)

American Knife Co., Baldwinsville, N. Y.
Anderson Knife & Bar Co., Anderson, Ind.
Bolton John W. & Sons, Inc., Lawrence, Mass.
Clark H. C. & Son Machine Co., Lee, Mass.

DAYTON BEATER & HOIST CO., 24 N Canal, Dayton, O.

Dillon Machine Co., Lawrence, Mass.
Dilts Machine Works (Special Alloy Roll Bars for Beating Engines), 15 Park Row, New York
Dowd R. J. Knife Works, Beloit, Wis.
Eagle Knife & Bar Co., Lawrence, Mass.
Hankey A. & Co., Rochdale, Mass.
Holyoke Bar Co., Holyoke, Mass.
Horne J. H. & Sons Co., Lawrence, Mass.
Mills Machine Co., Lawrence, Mass.
Noble & Wood Machine Co., Hoosic Falls, N. Y.
Shartle Bros. Machine Co., Middletown, O.
Simonds A. A. & Son Co., Dayton, O.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Taylor, Stiles & Co., Riegelsville, N. J.

12606—Roll Grinding & Corrugating

Acme Mill Works, Greensboro, N. C.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Am. Metallic Packing Co., Lexington, Ky.
Barnard Mfg. Co., N 1324 Ash, Spokane, Wash.
Barnard & Leas Mfg. Co., Moline, Ill.
Barry-Wehmiller Machinery Co., 4660 Florissant, St. Louis, Mo.
Beaton & Corbin Mfg. Co., Southington, Conn.
Buffalo Engine Co., Buffalo, N. Y.
Caldwell W. E. Co., Louisville, Ky.
Cornelius Mill Furnishing Co., 11119 N 6th, St. Louis, Mo.
Harrisburg Roll Grinding & Corrugating Co., Harrisburg, Pa.
Nashville Machine & Supply Co., 123 3rd av N, Nashville, Tenn.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Noye Bros. Co., 1447 Niagara, Buffalo, N. Y.
Reilly A. E., 10 Cherry, Buffalo, N. Y.
Robinson Mfg. Co., Muncy, Pa.
Rochester Roll Grinding & Corrugating Co., Rochester, N. Y.
Salem Foundry & Machine Works, Salem, Va.
Salt Lake Iron & Steel Co., Salt Lake City, Utah
Simpson-Orville Co., 1230 Knowlton, Cincinnati, O.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Starr B. F. Co., 445 Guilford av, Baltimore, Md.
Strong-Scott Mfg. Co., 413 S 3rd, Minneapolis, Minn.
Western Foundry & Machine Works, Topeka, Kans.
Wolf Co., Chambersburg, Pa.

12607— Roller Coasters

Phila. Toboggan Co. (& Water Rides), 130H E Duval, Germantown, Phila., Pa.
Woodstock Mfg. Co., Dept. H, Rochester, N. Y.

Roller Mills

See Mills, Roller Grinding

12608— Roller Skate Parts

Westport Mfg. Co., Fall River, Mass.
Worcester Pressed Steel Co., Worcester, Mass. *See adv index at end of book*

12609—Roller & Pulverizer Combined

Bucher & Gibbs Plow Co., 800-36 2nd S E, Canton, O.
Crookston Mfg. Co., Crookston, Minn.
Dunham Co. ("Dunham"), Berea, O.
Fulton Machine Co. ("The Cyclone"), Canal, Fulton, O.
Ohio Cultivator Co. (Sizes 6, 7½, 9, 12 ft.), Bellevue, O.
Peterson Mfg. Co., Kent, O.
Sterling Mfg. Co., Sterling, Ill.

12610— Rollers (Awning)

Columbia Mills, Inc., 225 5th av, New York
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Stevenson Mfg. Co. (Wood), South Bend, Ind. *See adv index at end of book*

12611— Rollers (Barn Door)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Arnold Co., Norwalk, Conn.
Cheney S. & Son, Manlius, N. Y.
Hunt, Helm, Ferris & Co., Harvard, Ill.
Lawrence Bros., ("Union," "Faultless"), Sterling, Ill.
National Mfg. Co., Sterling, Ill.
Ney Mfg. Co., Canton, O.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book
Sargent & Co., New Haven, Conn.
Swineford G. A. Co., Canton, O.
Wrightsville Hardware Co., Wrightsville, Pa.

12612—Rollers (Barn Door, Stay)

Aurora Door Hanger & Specialty Co., Aurora, Ill.
Frantz Mfg. Co. ("Glide"), Sterling, Ill.
Myers F. E. & Bro. Co., 950 Orange, Ashland, Ohio
See adv index at end of book
National Mfg. Co., Sterling, Ill.
Penn. Hardware Co., Reading, Pa.
Richards-Wilcox Mfg. Co. ("Richards-Wilcox"), Aurora, Ill.
See adv index at end of book
Sargent & Co., New Haven, Conn.
Stowell Co., The, Se. Milwaukee, Wis.

12613— Rollers (Cable)

(For Pulling in Cables)

Bissell F. Co., Toledo, O.
Fairmount Electric & Mfg. Co., 59th & Woodland av, Phila., Pa.
Specialty Device Co. ("Bierce"), 106 W 3rd, Cincinnati, O.

Rollers (Car Curtain)

See Rollers & Fixtures, Car Curtain

12614—Rollers (Car Door Lumber)

American Logging Tool Co., Hvart, Mich.
Zelnicker Walter A. Supply Co. ("Zelnicker"), 325 Locust, St. Louis, Mo.

12614a— Roller (Caster)

Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
See adv index at end of book
Delaware Hard Fibre Co. (Hard Fibre "Egyptian"), Wilmington, Del.
See adv index at end of book
Estes E. B. & Sons (Wood), 364 5th av, New York. *See adv index at end of book*
Stiles H. A., 166-174 Portland, Boston, Mass. *See adv index at end of book*

12615— Rollers (Concrete)

Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Buffum Tool Co. ("Swastika," Bush Hammer, Indentation, etc.), South Side, Louisiana, Mo.
Crescent Tool Mfg. Co. ("Crescent," also fancy rollers for Walls & Walks, Bronze & Iron, 1002 Cass av, St. Louis, Mo.
Heltzel Steel Form & Iron Co. (The) (Road), Warren, Ohio
See adv index at end of book
Kramer Bros. Foundry Co. ("Gem" Hand Rollers for Cement Sidewalks), Dayton, O.
Ransome Concrete Machinery Co., Dunellen, N. J.

Rollers (Copper Printing)

See Textile Machinery, Etc.

12616—Rollers (Drawer, Ball Bearing)

12617— Rollers (Fibre)

Diamond State Fibre Co., Dept. 37, Bridgeport, Pa.
See adv index at end of book
Iten Fibre Co., 2358 E 67th, Cleveland, O.
See adv index at end of book
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
SPAULDING FIBRE COMPANY, INC. (Hard Fibre), Tonawanda, N. Y.
See adv index at end of book

Rollers (Flue)

See Expanders, Tube

12618—*Rollers (Four Cylinder Gasoline Road)

Acme Road Machy. Co., Frankfort, N. Y.

12619—Rollers (House Movers)

Bolander, L. Ph. & Son, 954 Bryant, San Francisco, Cal.
Brunner & Lay (also Machinery Movers'), 570 W Polk, Chicago, Ill.
La Plant-Choat Mfg. Co. (also machinery movers), Cedar Rapids, Ia.
Nashua Spool & Bobbin Co. (Drag Line, Quarry, etc.), Haverhill Natl. Bank bldg, Haverhill, Mass.
Ransome Concrete Machinery Co. (Also Machinery), Dunellen, N. J.

12620— Rollers (Incline)

Gustafson Mfg. Co., 211 W 26th, Chattanooga, Tenn.

12621—Rollers (Land & Field)

American Bell & Foundry Co., Northville, Mich.
American Road Machinery Co., Kennett sq, Pa.
American Scale Co., 517 Delaware, Kansas City, Mo.
Arnold's W. G. Son, Ionia, Mich.
Avery B. F. & Sons, Louisville, Ky.
Barley Thos. K., Sedalia, Mo.
Beatrice Iron Works, Beatrice, Neb.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Brillion Iron Works, Brillion, Wis.
Bucher & Gibbs Plow Co. (Steel, T-Bar, Tubular, Clod Crushers & Pulverizers), 800-36 2nd S E, Canton, O.
Buch's A. Sons Co., Elizabethtown, Pa.
California Plow Co., 140 Polhenus, San Jose, Cal.
Conner J. W. & Son (Cast-Head & Bolted Plank), Orangeville, Pa.
Dayton-Down Co., Quincy, Ill.
Deats Hiram Jr., Pittstown, N. J.
Donaldson Bros. (Iron & Wooden), Mount Clemens, Mich.
Duisdieker Foundry & Mfg. Co. (Clod Crushers), Pekin, Ill.
Dunham Co. ("Water-Weight"), Berea, O.
Everts Mfg. Co., Meridian, N. Y.
Gale Mfg. Co. (Steel or Wooden Frame), Albion, Mich.
Genesee Valley Mfg. Co., Mount Morris, N. Y.
Gowanda Agricultural Works, Gowanda, N. Y.
Greenville Implement Co., Greenville, Mich.
Harder Mfg. Co., Cobleskill, N. Y.
Harriman Mfg. Co., Harriman, Tenn.
Heebner & Sons, Lansdale, Pa.
Imboden Harrow & Roller Co., Cleona, Pa.
King Drill Mfg. Co., Nebraska City, Nebr.
Lehr Agricultural Co. (Steel Shell), Fremont, O.
Massey-Harris Harvester Co., Batavia, N. Y.
Messinger Mfg. Co., Tatamy, Pa.
Mountville Mfg. Co. ("Superior"), Mountville, Pa.
Munnsville Plow Co. (Steel or Wood), Munnsville, N. Y.
Ohio Cultivator Co., Bellevue, O.
Patterson Mfg. Co., Holly, Mich.
Peek's S. H. Sons, East Aurora, N. Y.
Peterson Mfg. Co., Kent, O.
Ripson Wm. & Son, Youngstown, N. Y.
Sheer E., Lincoln, Ill.
Sherwin E. C. & Son, Brandon, Wis.
Tanner D. F., Holland, N. Y.
Thornburgh Mfg. Co. ("Champion" & "National"), Bowling Green, O.
Topeka Foundry & Iron Works (For Packing Soil), Topeka, Kans.
Weaver & Co. ("Ideal"), New Oxford, Pa.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.
Wilder-Strong Implement Co., Monroe, Mich.
Yorks Henry (Machinists'), Honeoye Falls, N. Y.

Rollers (Lawn Mower)

See Rollers, Wood

12622—Rollers (Lawn & Garden)

American Road Machinery Co., Kennett sq, Pa.
Buch's A. Sons Co. ("Keystone"), Elizabethtown, Pa.
Buffalo Springfield Roller Co. (Landscape Only, Steam & Gasoline), Springfield, O.
Donaldson Bros. Mount Clemens, Mich.
Dunham Co. ("Water Weight" Cast Iron & Steel), Berea, O.
Gowanda Agricultural Works, Gowanda, N. Y.
Harriman Mfg. Co. ("Keystone"), Harriman, Tenn.
Lansing Co., Lansing, Mich.
Messinger Mfg. Co., Tatamy, Pa.
Mott J. L. Iron Works, Trenton, N. J.
Supplee-Biddle Hardware Co., 510 Commerce, Philadelphia, Pa.
Swett A. L. Iron Works, Medina, N. Y.
Whitehurst R. W. Mfg. Corp. ("Boss"), Norfolk, Va.
Wilder-Strong Implement Co., Monroe, Mich.

12623— Rollers (Lumber)

American Logging Tool Co., Evart, Mich.
Basic Mfg. Co., Wilmington, Del.
Ransome Concrete Machinery Co. (Double Extension), Dunellen, N. J.

12624— Rollers (Mangle)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
Coudersport-Mangle Roller Mfg. Co., Coudersport, Pa.
Estes E. B. & Sons, 364 5th av, New York.
See adv index at end of book
Nashua Spool & Bobbin Co. (Wooden), Haverhill National Bank bldg, Haverhill, Mass.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

12624a— Rollers (Map)

Estes E. B. & Sons, 364 5th av, New York.
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

12625— Rollers (Mine)

COLONIAL SUPPLY CO. ("Colonial"), 217 Water, Pittsburgh, Pa.
See adv index at end of book
Hardwood Mine Roller Co., Punxsutawney, Pa.
Nashua Spool & Bobbin Co. (Gum, All Sizes), Haverhill National Bank bldg, Haverhill, Mass.
Sanford-Day Iron Works, 612 Dale, Knoxville, Tenn.

12626—Rollers (Paper Hangers')

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Bullock Mfg. Associates, Springfield, Mass.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book
Stortz Jno. & Son, 210 Vine, Phila., Pa.

12627—Rollers (Paper Machine)

Boston Belting Corp., 84 Linden Park, Boston, Mass.
Empire Tire & Rubber Corp., Trenton, N. J.
Goodrich B. F. Co., Akron, O.
Gutta Percha & Rubber Mfg. Co., 350 Madison av, New York
Home Rubber Co., Trenton, N. J.
Manhattan Rubber Mfg. Co., Passaic, N. J.
Revere Rubber Co., Chelsea, Mass.
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.

12628— Rollers (Pipe)

Dunham Co. (Also Tee Bar Rollers), Berea, O.
Falls Rivet Co., Kent, O.
Grabler Mfg. Co. (Cast Iron, also Roller Hangers & Bolts, etc.), Cleveland, O.
Pittsburgh Valve Foundry & Construction Co., 26th & A. V. RR., Pittsburgh Pa.
Stevenson Mfg. Co. (Wood), South Bend, Ind. *See adv index at end of book*
Walworth Mfg. Co., 82H, Pearl, Boston, Mass.

12629— Rollers (Printers')

Bingham Bros. Co., 406H Pearl, New York
California Ink Co., Inc., 3rd & Camelia, Berkeley, Cal.
Goodrich B. F. Rubber Co. ("One-Set" Automatic Suction Rubber Covered), 586 S Main, Akron, O.
Hart Wm. C. Co. Inc. ("Hart"), 137H Greene, New York
Maigne O. J. Co., 356 Pearl, New York
National Roller Co., 307H Pearl, New York
Printers' Roller Co., 97H Cliff, New York
Vogt Mfg. Co., Louisville, Ky.

12630— Rollers (Puddling)

Buffalo Springfield Roller Co., Springfield, Ohio
Universal Road Machinery Co. ("Universal" for Reservoir & Embankment Work), Kingston, N. Y.

12630a— Rollers (Pulley)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes, E. B. & Sons (Wood), 364 5th av New York. *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

12631—Rollers (Reversible Road)

American Road Machinery Co., Kennett Sq, Pa.
Enterprise Co., Columbiana, O.
Gruendler Patent Crusher & Pulverizer Co., 982 N Main, St. Louis, Mo.
See adv index at end of book

12632—Rollers (Road, Horse Power)

Acme Road Machinery Co., Frankfort, N. Y.
American Road Machinery Co., Kennett sq, Pa.
Elkhart Bridge & Iron Co., Elkhart, Ind.
Enterprise Co., Columbiana, O.
Galion Iron Works & Mfg. Co., Galion, O.
Gruendler Patent Crusher & Pulverizer Co., 982 N Main, St. Louis, Mo.
See adv index at end of book

12633—Rollers (Road, Kerosene & Gasoline)

Acme Road Machinery Co., Frankfort, N. Y.
Buffalo Springfield Roller Co. (and gasoline) ("Kelly-Springfield"), Springfield, O.
Dissinger C. H. A. & Bro. Co. ("Capital"), Wrightsville, Pa.
Gruendler Patent Crusher & Pulverizer Co., 982 N Main, St. Louis, Mo.
See adv index at end of book
Horst & Stricter ("Winchell" attachment for Fordson tractor), Davenport, Ia.
Northwest Engineering Works (Gasoline), Green Bay, Wis.

12634—Rollers (Rubber Covered)

Boston Belting Corp., 84 Linden Park, Boston, Mass.
Cigol-Behrens Rubber Co., Lodi, N. J.
Cincinnati Rubber Mfg. Co., Cincinnati, O.
Continental Rubber Works, Erie, Pa.
Empire Tire & Rubber Corp., Trenton, N. J.
Federal Rubber Co., The, Cudahy, Wis.
Goodrich B. F. Rubber Co., Akron, O.
Goodyear Tire & Rubber Co., Inc., 1144 E Market, Akron, Ohio
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Home Rubber Co., Trenton, N. J.
Manhattan Rubber Mfg. Co., Passaic, N. J.
Miller Rubber Co., Akron, O.
N. J. Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
Plymouth Rubber Co., Canton, Mass.
Republic Rubber Co., Youngstown, O.
Revere Rubber Co., Chelsea, Mass.
U. S. Rubber Co., 1790 Broadway, New York
See adv index at end of book
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.

12635-6— Rollers (Sash)

Corbin P. & F., New Britain, Conn.
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Peck, Stow & Wilcox Co., Southington, Conn.
Reading Hardware Co., Reading, Pa.
Sargent & Co., New Haven, Conn.

12637— Rollers (Shade)

Allen Shade Holder Co. Inc., 116 Washington, Boston, Mass.
Am. Shade Roller Co. ("O'Reilly Self-Acting), 151 33rd, Brooklyn, N. Y.

Am. Tube & Stamping Co. (Pressed-Steel Parts), Dept. H, 471 Hancock, Bridgeport, Conn.
Bailey & Weston, 81 Washington N, Boston, Mass.
Columbia Mills Inc. ("Quaker"), 225 5th av, New York
Cowles C. & Co. (Carriage, etc), New Haven, Conn.
Haviland Shade Roller Co., 380 Lafayette, New York
Standard Shade Roller Co. (Also Accessories), Ogdensburg, N. Y.
Vermont Shade Roller Co., Burlington, Vt.

12637a— Rollers (Skate)

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Zeigler Mfg. Co., Alexandria, Ind.

12638—Rollers (Sliding Door)

Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book

12639—Rollers (Steam, Asphalt)

Acme Road Machinery Co., Frankfort, N. Y.
Barber Asphalt Co. ("Iroquois"), Land Title bldg., Phila., Pa.
Buffalo Springfield Roller Co. (Steam & Gasoline), Springfield, O.
Erie Machine Shops, Dept. H, Erie, Pa.
Pioneer Iron Works, 149 Pioneer, Brooklyn, N. Y.
Universal Road Machinery Co., Kingston, N. Y.

12640—Rollers (Steam, Golf Course)

Barber Asphalt Paving Co. ("Iroquois"), Land Title Bldg., Phila., Pa.
Buffalo Springfield Roller Co. (Steam & Gasoline), Springfield, O.

12641—Rollers (Steam, Road)

American Road Machinery Co. ("Monarch"), Kennett Square, Pa.
Austin Mfg. Co., 910 S Michigan av, Chicago, Ill.
Baker A. D. Co., Swanton, O.
Barber Asphalt Co. ("Iroquois" Tandem), Land Title bldg., Phila., Pa.
Buffalo Springfield Roller Co. ("Buffalo-Pitts"), Springfield, O.
Davis Norris K. ("20th Century"), 400 7th San Francisco, Cal.
Galion Iron Works & Mfg. Co., Galion, O.
Green L. A., First Natl. Bank bldg, Pittsburgh, Pa.
Gruendler Patent Crusher & Pulverizer Co., 982 N Main, St. Louis, Mo.
See adv index at end of book
Huber Mfg. Co. ("New Huber" Comb. Road Roller & Traction Engine), Marion, O.
Port Huron Engine & Thresher Co., Port Huron, Mich.

Rollers (Towel)

See Racks, Towel

12642— *Rollers (Trolley)

See also Fibre, Hard

Continental Fibre Co. ("Bakelite-Dilecto" Hard Fibre), Newark, Del.
DELAWARE HARD FIBRE CO. (Hard Fibre). Wilmington, Del. Works: Marshallton, Del.
See adv index at end of book

12643— Rollers (Wood)

Anchor Saw Mills Co., 434 Washington, New York
Bogert & Hopper (Caster, Lawn Mower, Map, Pulley, Skate, etc), 57 Barclay, New York *See adv index at end of book*
ESTES E. B. & SONS (Caster, Mangle, Massage, Paperhangers', Lawn Mower, Map, Pulley, Skate, etc), 364 5th av, New York *See adv index at end of book*

Wooden Rollers

For Casters, Pulleys, etc. All Kinds of Wood Turnings, in Enameled, Polished or Plain Finish

MANUFACTURED BY

E. B. ESTES & SONS

364 Fifth Avenue NEW YORK

"World's Largest Woodturners." Est. 1847

Nashua Spool & Bobbin Co. (Stone Machinery & House Moving), Grove Hall Station, Boston, Mass.
Piqua Handle & Mfg. Co., P. O. Box 307, Piqua, O.
Southern Roller, Stave & Heading Co. (Black Gumwood), Elizabeth City, N. C.
Stevenson Mfg. Co. (Lawn Mower, etc), South Bend, Ind.
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book

12644—Rollers & Fixtures (Car Curtain)

St. Louis Car Co., 8000 N B'way, St. Louis, Mo.

12645— Rollers & Pinions

Chester Steel Casting Co., Chester, Pa.
Erie Forge Co., Erie, Pa.
Newell Mfg. Co., 149 B'way, New York
Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.

12646—Rollers & Print Blocks for Wall Paper, Etc.

Bay, Gottfried (Oil Cloth, etc), 537 W 50th, New York

12647—Rolling Mills (Brass & Copper)

See also Rolling Mills, Iron & Steel

AMERICAN BRASS CO., Waterbury, Conn. For Branch Offices.
For Branch Offices see adv index at end of book
Baltimore Copper Smelting & Rolling Co., Canton, Baltimore, Md.
BALTIMORE TUBE CO., Baltimore, Md.
See adv index at end of book
Benson H. K. & F. S., Glen Ridge, N. J.
Benson Rolling Mills, Inc., Glen Ridge, Pa.
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Bridgeport Rolling Mills Inc. (Brass & Bronze), Bruce & Stratford av, Bridgeport, Conn.
Bristol Brass Co. (Brass, German silver, Bronze, etc.), Bristol, Conn.
Chase Metal Works, Div. Chase Co.'s., Inc. (Rod, Wire, Sheet, Tubing, Brass & Bronze, Nickel Silver), Waterbury, Conn.
Chase Rolling Mills, Div. Chase Companies, Inc. (Rod, Wire, Sheet, Tubing, Brass & Bronze, Nickel Silver), Waterbury, Conn.
Conn. Brass & Mfg. Corp. (Bronze & Nickel Silver), Watertown av, Waterbury, Conn.
Detroit Copper & Brass Rolling Mills, Clark av nr Wabash R. R., Detroit, Mich.
Mackintosh-Hemphill Co., 12th & Etna, Pittsburgh, Pa.
Manhattan Brass Co. (Brass & Bronze), 332 E 28th, New York
Michigan Copper & Brass Co., 5841 W Jefferson av, Detroit, Mich.
Mueller Metals Co. (Brass), Port Huron, Mich.
National Brass & Copper Co., Lisbon, O. Mass.
New England Brass Co., Taunton, Mass.
New Haven Copper Co. (Copper Only), Seymour, Conn.
New Jersey Tube Co., Harrison, N. J.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Randolph-Clowes Co., Waterbury, Conn.
Rome Brass & Copper Co., Rome, N. Y.
Seymour Mfg. Co. (Brass & German Silver), Seymour, Conn.
Somers Co., Inc., Waterbury, Conn.
Stamford Rolling Mills Co. Inc., Springdale, Conn.
Taunton-New Bedford Copper Co., Taunton, Mass.
Waterbury Rolling Mills (Brass Only), Waterbury, Conn.
Wise J. B. Inc. (Brass), Watertown, N. Y.

12648—Rolling Mills (Continuous)

Mackintosh-Hemphill Co., 12th & Etna, Pittsburgh, Pa.
Mesta Machine Co., Box 1124, Pittsburgh Pa.
See adv index at end of book
Morgan Construction Co., Worcester, Mass.
Morgan Engineering Co., Alliance, O.
Standard Machinery Co., Providence, R. I.
Treadwell Engineering Co., Easton, Pa.
See adv index at end of book
United Engineering & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.
Youngstown Sheet & Tube Co., Youngstown, Ohio

12649—Rolling Mills (Iron & Steel)

See also Rolling Mills, Brass & Copper

(References following Names indicate Main or Executive Offices. For subclassification of this industry, see Specific Article Wanted in Index of Contents)

ALABAMA.

ALABAMA CITY—Gulf State Steel Co. (See Birmingham)
BIRMINGHAM—Connors Steel Co. (Steel Bars, Hoops, Cotton Ties, etc.)
Gulf States Steel Co. (Billets, Blooms, Slabs, Staples, etc), Mills: Alabama City
Republic Iron & Steel Co. (See Youngstown, O.)
Tennessee Coal, Iron & R. R. Co. (Steel Billets, Blooms, Slabs, Angles, Channels, Tees, Bar, Plates Sheets, etc)
HELENA — Conners-Weyman Steel Co. (See Birmingham)
SHEFFIELD—Sloss-Sheffield Steel & Iron Co. (See Birmingham, Ala.)

CALIFORNIA.

BLACK DIAMOND—Columbia Steel Co. (See San Francisco, Cal.
LOS ANGELES—Southern California Iron & Steel Co. (Steel Only), Dept. H, E 4th & Mateo
SAN FRANCISCO—Baker, Hamilton & Pacific Co. (Bar & Band Iron), (Jobbers), 7th & Townsend. Works: Portland, Ore.
Columbia Steel Co., 351H California
Pacific Coast Steel Co. (Open Hearth, Steel Merchant Bars, Round, Square & Flat, Steel Deformed **Bars Reinforced Concrete Steel Angles & Light Rails), Rialto**
Pacific Rolled Metals Co. (Rolled & Drawn Metals), 715 Harrison
Pacific Rolling Mills, 17th & Mississippi.

COLORADO.

DENVER—Colorado Fuel & Iron Co. (Billets, Blooms, Iron & Steel Rails, Bars, Sheets, Plate Bands, Hoops, etc)
PUEBLO—Colorado Fuel & Iron Co. (See Denver)

CONNECTICUT.

BRIDGEPORT—American Chain Co. (Bar Iron Light T Rails, Chains, etc), 929 Connecticut
American Tube & Stamping Co. (Open Hearth Steel Billets, Hot & Cold Rolled Strip Steel, for Springs, Cutlery, etc)
BRISTOL—**BARNES WALLACE CO.** High Carbon Tempered & Untempered & Cold Rolled Spring Steel) *See adv index at end of book*
COLLINSVILLE—Collins Co. (Bar Iron All Consumed by the Company)
NEW BRITAIN—Stanley Works (Hot & Cold Rolled Strip Steel)
SOUTHINGTON—Aetna Nut Co. (Merchants' Bar Iron, etc)
UNIONVILLE—Union Rolling Mill Co. Merchant Bar Iron) (See Cleveland, O.)
Upson Nut Co. (Basic Open Hearth Steel Bars)

DELAWARE.

WILMINGTON—McCullough Iron Co. (Sheet Steel, Black Galvanized Painted & Corrugated Roofing & Siding), Equitable bldg

GEORGIA.

ATLANTA—Atlantic Steel Co. (Steel Bands, Hoops, Cotton Ties, Bars. etc)

ILLINOIS.

CHICAGO—Calumet Steel Co. (Bessemer Bar Steel Angles, Channels, etc.), 208 S La Salle
Columbia Tool Steel Co. (Crucible Tool & Machinery Steel & Open Hearth Steel for Special Requirements), 307 S Clinton.
Illinois Steel Co. (Steel Only), 208 S La Salle
INLAND STEEL CO. (Open Hearth Steel, Blooms, Billets, Slabs, Structural, Angles, Channels & Beams, Universal Plates, Black Sheets, Galvanized Sheets, Corrugated Sheets, Roofing & Siding, Cross Track Bolts & Spikes, Tie Plates, Standard Tie Rails), 38 S Dearborn
Interstate Iron & Steel Co. (Iron & Steel Bars, Agricultural Implement Steel, Angles, Channels, Tees, Reinforcing Steel Bars, Open Hearth Steel Billets, Rods and Wire Mills, etc.), 104 S Michigan
Phoenix Horse Shoe Co. (Horse Shoes), 209 S La Salle, Mills: Joliet, Ill., & Poughkeepsie, N. Y.
Pullman Co. (Product All Consumed By the Company), Pullman bldg
Republic Iron & Steel Co., 332 S Michigan av (See Youngstown, O.)
Sellers Mfg. Co. (Tie Plates, etc), 332 S Michigan av
CHICAGO HEIGHTS—Inland Steel Co. (see Chicago)
EVANSTON—Mark Mfg. Co. (Wrought Iron Pipe & Boiler Tubes) Works: Zanesville, O.
GRANITE CITY—National Enameling & Stamping Co. (See New York)
JOLIET—American McKenna Process Co. (See Milwaukee, Wis.)
Phoenix Horse Shoe Co.
KEWANEE—Welworth Mfg. Co. (See Boston, Mass.)

(Continued on following page)

Rolling Mills (Iron & Steel)—Cont.

ILLINOIS—Continued

MOLINE—Republic Iron & Steel Co.
WAUKEGAN—American Steel & Wire Co. (See Chicago, Ill.)

INDIANA.

ANDERSON—American Sheet & Tin Plate Co. (See Pittsburgh, Pa.)
American Steel & Wire Co.
See adv index at end of book
EAST CHICAGO—Interstate Iron & Steel Co. (See Chicago, Ill.)
Republic Iron & Steel Co. (See Youngstown, O.)
ELWOOD—American Steel & Tin Plate Co. (See Pittsburgh, Pa.)
FORT WAYNE—Ft. Wayne Iron Steel Rolling Mill Corp. (Bar Iron & Steel, etc), West Taylor
GARY—Indiana Steel Co.
INDIANA HARBOR—Inland Steel Co. (See Chicago, Ill.)
KOKOMO—Kokomo Steel & Wire Co. (Steel Wire, Rods & Nails, etc)
MUNCIE—American Sheet & Tin Plate Co. (See Pittsburgh, Pa.)
Republic Iron & Steel Co. (See Youngstown, O.)
NEW ALBANY—Ohio Falls Iron Co. (Merchants' Bar & Staybolt Iron)
NEW CASTLE—Indiana Rolling Mill Co. (High Carbon Sheet Steel)
TERRE HAUTE—Highland Iron & Steel Co. (Merchants' Bar Iron & Steel)
VINCENNES—National Rolling Mill Co. (Scrap Bar & Finished Iron & Steel Bar)

KENTUCKY.

ASHLAND—Ashland Steel Co. (Bessemer Steel Billets & Slabs, Wire Rods)
Norton Iron Works (Cut & Wire Nails), Wire & Nail Plates)
NEWPORT—Andrews Steel Co. (Open Hearth Billets, Slabs, Ingots, Sheet & Tin Plate Bars)
Newport Rolling Mill Co. (Black & Galvanized Sheet Steel)

LOUISIANA.

NEW ORLEANS—Lukens Steel Co.

MARYLAND.

CUMBERLAND—Cumberland Steel Co. (Cold Rolled Steel, Polished Steel Shafting, etc)
Taylor N. & G. Co. (See Phila., Pa.)
United States Rail Co. (Renewed Light Steel Rails)

MASSACHUSETTS.

BOSTON—Ames Shovel & Tool Co. (Shovel Plate & Blanks, all consumed by the Company), Ames bldg.
SPENCER—Spencer Wire Co. (See Worcester, Mass.)
WEST WAREHAM—Tremont Nail Co. (Open Hearth Steel Ingots, Nail Plate, Tack Plate, Shovel Plate & Strip Steel, Cut Nails & Supplies)
WORCESTER—AMERICAN STEEL & WIRE CO. (Washburn & Moen Branch) See Chicago
See adv index at end of book
COES LORING & CO. (INC.) (Hot Rolled & Welded Materials for Knives, Dies, etc), Coes sq
See adv index at end of book
Wickwire Spencer Steel Corp. (Annealed, Bright, Coppered, Tinned, & Galvanized Wire)
See adv index at end of book

MICHIGAN.

ADRIAN—Page Steel & Wire Co. (Open Hearth Steel Ingots, Wire Rods, etc)
DETROIT—American Car & Foundry Co. (See St. Louis, Mo.)
Detroit Seamless Steel Tubes Co. (Cold Drawn Seamless Steel Tubes), Warren & Wyoming

MISSOURI.

KANSAS CITY—Kansas City Bolt & Nut Co. (Bar Iron, ½ inch to 3 inch Rounds & Squares, 1 inch by 3-16 inch to 6 inch by 2 inch flats, Bolts, Nuts, etc)
ST. LOUIS—American Car & Foundry Co. (Merchant Bar Iron & Band Rod & Guide Iron), Syndicate Trust bldg.
Laclede Steel Co. (Hard Steel Bars, Reinforcing Bars, Ag'l Shapes, Bedstead Angles, Hot Rolled Strip, etc), Arcade bldg.

NEW JERSEY.

CHROME—Chrome Steel Works (Steel Plates, Angles & Bars, etc)
DOVER—Ulster Iron Works (Merchant Bar & Staybolt Iron)
ELIZABETH—Singer Mfg. Co. (Product Rounds, Flats, etc, all Consumed by the Company)
JERSEY CITY—AMES W. & CO. (Bar Iron Bolts, Tie Rods, Spikes, etc.)
Crucible Steel Co. of America, ft Grand av. (Spalding & Jennings, Branch) (See Pittsburgh, Pa.)
NEWARK—Heller Bros. Co., 879 Mt. Prospect av. (High Speed Tool Steel)
PERTH AMBOY—Pardee C. Works (Open Hearth Steel Billets, Blooms, Merchant Bars & Cold Rolled Shafting, etc)
PHILLIPSBURG—American Horse Show Co. (High Grade Horse Shoes, etc)
ROCKAWAY—Rockaway Rolling Mill (Bar Iron & Steel; also Double Refined Bar Iron)

NEW YORK.

AUBURN—Tuttle Chas. W. (Merchant Bar Iron & Horse Shoe Iron), ft. McMaster
BUFFALO—Lackawanna Steel Co. (Steel Billets, Blooms, Rails, Beams, Anchor Bars, etc.)
Seneca Iron & Steel Co. (Black & Pickled Sheet Steel)
COHOES—Cohoes Rolling Mill Co. (Wrought Iron Pipe & Merchant Bar Iron)
CORTLAND—Wickwire Bros. (Billets, Wire, Nails, Rods & Staples, etc.)
DUNKIRK—Atlas Steel Corp. (High Grade Crucible Steels, Steel Only)
LOCKPORT—Simonds Mfg. Co. (Crucible Steel Saw Plates & Sheets, ALL CONSUMED BY THE COMPANY)
Westerman & Co. (Bar Iron Rounds, Squares, Hexagons)

NEW YORK CITY

Borough of Brooklyn

BROOKLYN—Wurster F. W. & Co. (Iron & Steel Bars, Axles, etc.), 375 Kent av

Boroughs of Manhattan and Bronx

NEW YORK—American Bridge Co., 30 Church
Lalance & Grosjean Mfg. Co. (Black Sheets, Plates & Tin Plate, all Consumed by the Company), 299 B'way. Mills: Harrisburg, Pa.
National Enameling & Stamping Co. (Mfrs. Sheet Steel for their Own Consumption), 411 5th av Works: Granite, Ill., & St. Louis, Mo.
Page Steel & Wire Co., Grand Central Term.
Philadelphia Steel & Forge Co. (Rolled & Hammered Steel Bars, Tool Steel, Die Blocks, Rolled Shapes, etc.), 50 Church. Works: Tacony, Phila., Pa.
Railway Steel Spring Co. (Open Hearth Steel Ingots, Merchant Steel Tire & Spring Steel, etc.), 30 Church
Rome Iron Inc. (Puddled Iron & Band, Hoop, Staybolt & Engine Bolt Iron), 30 Church. Mill: **Rome, N. Y.**
Washburn Wire Co. (Steel Wire, etc.), ft. E 118th. (See Phillipsdale, R. I.)
(End of New York City)
NORTH TONAWANDA—Buffalo Bolt Co. (Bars & Coils)
SYRACUSE—Crucible Steel Co. of America (Sanderson Bros. Works, Tool Steel.) See Pittsburgh, Pa.
Halcomb Steel Co. (Crucible & High Grade Steel)
TONAWANDA—Buffalo Steel Co. (Bessemer Steel Bars, Agricultural Steel, Angles, Channels, etc.)
TROY—Burden Iron Co. (Bar Iron, Horse & Mule Shoe, Rivets, Boiler Only, etc.)
Rail Joint Co. (See New York)
WATERVLIET—Ludlum Steel Co. (Pure Carbon Crucible Tool Steel)

OHIO

BELLAIRE—Carnegie Steel Co. (See Pittsburgh, Pa.)
CAMBRIDGE—American Sheet & Tin Plate Co. (See Pittsburgh, Pa.)
AMERICAN STEEL & WIRE CO. (See Chicago)
See adv index at end of book
Interstate Iron & Steel Co. (See Chicago, Ill.)
CANTON—Berger Mfg. Co. (Sheet Iron & Steel, etc.), 1038 Belden av N E
United Alloy Steel Corp. (Open Hearth & Electric Alloy Steel Bars, Billets, Blooms & Slabs)
United Engng. & Fdry. Co., 1400 Grace av N E (See Pittsburgh, Pa.)
CLEVELAND—American Sheet & Tin Plate Co., Bessemer bldg. (See Pittsburgh, Pa.)
American Steel & Wire Co., Western Reserve bldg. (See Chicago, Ill.)
See adv index at end of book
Bourne Fuller Co. (Refined Bar Iron; also Bolt, Nut, Rivet, Iron & Structural Steel), Hanna bldg.
Cleveland Hardware Co. (Manufacture for their Own Consumption) Lakeside av, & E 45th
Empire Rolling Mill Co. (Iron & Steel Bar), Bessemer & C. & P. Ry., ft. of E 63d
Lake Erie Bolt & Nut Co. (Bar Iron, Bolts, Nuts, etc), ft. of E 63d
Otis Steel Co. (Open Hearth Steel Plates), Riverside Plant
Republic Iron & Steel Co., Leader News bldg (See Youngstown, O.)
CLEVES—Cincinnati Horse Shoe & Iron Co. (Horse Shoes & Bar Iron)
COLUMBUS—Carnegie Steel Co. (See Pittsburgh, Pa.)
Standard Chain Co. (See Pittsburgh, Pa.)
CUYAHOGA FALLS—Falls Hollow Staybolt Co. (Hollow & Solid Staybolt Bars, Staybolts, etc.)
DOVER—American Sheet & Tin Plate Co. (See Pittsburgh, Pa.
DRESDEN—American Sheet & Tin Plate Co. (See Pittsburgh, Pa.)
EAST LIVERPOOL—National Drawn Steel Co. (Cold Drawn Steel)
ELYRIA—Columbia Steel Co. (Cold Rolled Steel Bars, Sheets, Strips, etc.)
Elyria Iron & Steel Co. (High Carbon Steel Angles & Tubing, Track Spikes, etc.), Mussey rd
IRONTON—Belfont Iron Works Co. (Cut & Wire Nails, Barbed, Plain & Galvanized Wire)
Kelly Nail & Iron Co. (Cut & Wire Nails, Spikes, Staples, Barbed, Plain & Galvanized Wire)
National Tube Co. (See Pittsburgh, Pa.)
LORAIN—National Tube Co.
MARION—Interstate Iron & Steel Co. (See Chicago, Ill.)
MARTINS FERRY—American Steel & Tin Plate Co. (See Pittsburgh, Pa.)
Whitaker-Glessner Co. (See Wheeling, W. Va.)
MASSILLON—Massillon Rolling Mill Co. (Bessemer & Open Hearth Black Sheets)
MIDDLETOWN—American Rolling Mill Co. ("Armco") (Sheet Iron & Steel, Black & Galvanized, etc.)
MINGO JUNCTION—Carnegie Steel Co. (See Pittsburgh, Pa.)
NEWARK—Buckeye Rolling Mill Co. (See Steubenville)
NEW PHILADELPHIA—American Sheet & Tin Plate Co. (See Pittsburgh, Pa.)
NILES—Carnegie Steel Co. (See Pittsburgh, Pa.)
Falcon Tin Plate Co. (Tin Plate & Sheet Steel for Tinning, Etc.)
SALEM—American Steel & Wire Co. (See Chicago, Ill.
STEUBENVILLE—Buckeye Rolling Mill Co. (Light Rails & Track Accessories). Mills: Newark, O.
La Belle Iron Works (Pipe & Tube Mills, Steel Sheet Bar, Steel Skelp, Cut Nails, Spikes, Pig Iron, etc.)
Weirton Steel Co. (Black Plates or Sheets for Tinning). (See Weirton, W. Va.)
WARREN—Trumbull Steel Co. (Open Hearth Ingots, Blooms, Billets, Slabs, Bars, Tin Plate, Long Terne Sheets, Black & Galv. Flat Sheets, Painted, Galv. Formed Roofing Products, Hot & Cold Rolled Strip Steel)
Warren Iron & Steel Co. (High Carbon Steel Sheets & Shovel Plate)
WELLSVILLE—American Sheet & Tin Plate Co. (See Pittsburgh, Pa.)
YORKVILLE—Wheeling Steel & Iron Co. (Tin Plate).
YOUNGSTOWN—Republic Iron & Steel Co. (Bar Iron & Steel Bolts, Screws, Railroad Spikes, Turnbuckles, Cold Rolled Steel Angles, Channels, Tees, etc.)
For Branch Offices see Alphabetical Section
Sharon Steel Hoop Co. (Sheet Steel, Black & Corrugated Roofing & Siding, etc.)
Youngstown Sheet & Tube Co. (Iron & Steel Sheets, Black & Galvanized, Wrought Steel Pipe, Wire Rods, Billets, Muck Bar, Skelp, Pig Iron, etc.
ZANESVILLE—American Rolling Mill Co. (See Middletown, O.)
Mark Mfg. Co. (See Evanston, Ill.)

PENNSYLVANIA

ALIQUIPPA—Crucible Steel Co. of America (See Pittsburgh)
Kidd Drawn Steel Co. (Steel Wire, Polish Drill Rods, Polished Needle Wire, Black Steel Rods, etc.)
Vulcan Crucible Steel Co. (High Grade Crucible & Acid Open Hearth Steel & Forged Products, etc.)
ALLENTOWN—American Steel & Wire Co. (See Chicago, Ill.
ALTOONA—Altoona Iron Co. (Bar, Hoop, Band & Oval, Half Oval, Round & Scroll)
AMBRIDGE—American Bridge Co. (See Pittsburgh, Pa.)
APOLLO—Apollo Steel Co. (Iron & Steel Sheets, Flat & Galvanized, Corrugated)
AUBURN—Delaware Seamless Tube Co. (Hollow Seamless Billets, Boiler Tubes, Hollow Staybolt Stock & Seamless Tubing)
See adv index at end of book
BEAVER FALLS—Ames Shovel & Tool Co. (See Boston, Mass.)
Pittsburgh Seamless Tube Co. (Seamless Steel Tubes & Steel Blanks for Mfg. of Steel Tubes)
BIRDSBORO—Brooke E. & G. Iron Co. (Muck Bar, Skelp Iron & Cut Nails)
BLANDON—Blandon Rolling Mills (See Est. of Simon Seyfert, Reading, Pa.)
BRACKENRIDGE—Allegheny Steel Co. (See Pittsburgh, Pa.)
West Penn Steel Co. (Steel Sheets, Electrical Steel Sheets, Automobile Sheets, Steel Sheet Bars, etc.)

BRADDOCK—American Steel & Wire Co.
See adv index at end of book
Carnegie Steel Co. (See Pittsburgh, Pa.)
BRAEBURN—Braeburn Steel Co. (Crucible & Fine Open Hearth Tool Steel, Spring, Hammer & Machinery Steel & Forgings, etc.)
BRIDGEVILLE—Universal Rolling Mill Co. (Crucible & Open Hearth Steel Shovel, Sheets & Plow Slabs, Shapes & Discs)
BURNHAM—Logan Iron & Steel Co., Dept H
Standard Steel Works Co. (See Phila., Pa.)
BUTLER—Standard Steel Car Co. (Se. (See Pittsburgh, Pa.)
CANONSBURG—Canonsburg Steel & Iron Works (Sheet Iron & Steel, Tin & Terne Plate, etc.)
Standard Tin Plate Co. (Tin & Terne Plate)
CARNEGIE—Columbia Steel & Shafting Co. (Polished Turned Steel Shafting & Cold Drawn Shapes, etc.), Dept. H.
COATESVILLE—Lukens Steel Co. (Open Hearth Billets, Ingots, Slabs, Steel Boiler, Tank & Bridge Plates, Sheared & Universal Plates)
Midvale Steel & Ordnance Co. (Steel Boiler & Tank Plate, Sheared Plates, Boiler Tubes, etc.). Head office, Widener bldg, Phila., Pa.
COLONA—Colonial Steel Co. (See Pittsburgh, Pa.)
COLUMBIA—Edwards, Edward T.
JANSON STEEL & IRON CO. (Bar Iron & Steel)
CONSHOHOCKEN—Wood Alan Iron & Steel Co. (See Phila., Pa.)
Wood J. & Bros. Co. (Iron & Steel Sheets & Light Plates, Locomotive Jacket, Corrugated Bath Boiler, Gas Holder, Pickled Blue Annealed Tank & Electrical Sheet Iron & Steel, etc.)
CORRY—McInnes Steel Co. (Ltd.) (Hammered Crucible Tool Steel; Also High Speed & Oil Hardening Steel)
DANVILLE—Danville Structural Tubing Co. (Structural Tubing)
Pennsylvania Brake Beam Co. (Special Shapes for Brake Beams, Deck & I Beams)
Reading Iron Co. (See Reading, Pa.)
DONORA—American Steel & Wire Co. (See Chicago, Ill.)
Carnegie Steel Co. (See Pittsburgh, Pa.)
DUQUESNE—Carnegie Steel Co. (See Pittsburgh, Pa.
ELLWOOD CITY—National Tube Co. (See Pittsburgh, Pa.)
ERIE—United States Horse Shoe Co. (Billets & Iron Steel Bars for the Mfr. of Horse Shoes)
ETNA—Spang, Chalfant & Co. (See Pittsburgh, Pa.)
GLASSPORT—Pittsburgh Steel Co. (See Pittsburgh, Pa.)
GREENVILLE——National Tube Co. (See Pittsburgh, Pa.)
HARRISBURG—Central Iron & Steel Co. (Steel Bridge, Boiler, Tank, Ship & Fire Box Plate, etc.)
HARRISBURG PIPE & PIPE BENDING CO. (Open Hearth Steel Billets, Ingots, Skelp, Slabs, Shovel Plate, Sheet Bars, etc.), Herr nr. 10th.
Lalance & Grosjean Mfg. Co. (See New York City)
HAYS—Monongahela Tube Co. (See Pittsburgh, Pa.)
HOMESTEAD—Carnegie Steel Co. (See Pittsburgh, Pa.)
HOOPERSTON—Hoopes & Townsend Co. (See Phila., Pa.)
HYDE PARK—American Sheet & Tin Plate Co. (See Pittsburgh, Pa.)
JOHNSTOWN—Cambria Steel Co. (Steel Beams, Bars, Angles, Channels, Tees, Cold Rolled Steel, etc), Main Office: Philadelphia, Pa.
Lorain Steel Co. (Light Rails & Street Ry. Track Materials).
KITTANNING—Kittanning Iron & Steel Mfg. Co. (Muck Bar)
LANCASTER—Lancaster Steel Products Corp.
LATROBE—Vanadium Alloys Steel Co. (High Speed & Vanadium Steel)
LEBANON—Lebanon Valley Iron & Steel Co. (Bar Iron & Muck & Scrap Bar)
LEECHBURG—American Sheet & Tin Plate Co. (See Pittsburgh, Pa.)
McKEESPORT—American Sheet & Tin Plate Co. (See Pittsburgh, Pa.)
Firth-Sterling Steel Co. ("Blue Chip" Fine Crucible Tool Steel)
McKeesport Tin Plate Co. (Tin Plate & Black Plate for Tinning). Works: Port Vue, Pa.
National Tube Co. (See Pittsburgh, Pa.)
McKEES ROCKS—Lockhart Iron & Steel Co. (Bars, Bands & Hoops, Angles, Channels & Tees, etc)
MIDLAND—Pittsburgh Crucible Steel Co. (Steel Bars, Car Axles, etc)
MILESBURG—McCoy-Linn Iron Co. (Bar Iron, Wire, Wire Rods, Chains, etc)
MILTON—American Car & Foundry Co. (Merchants Bar Iron) (See St. Louis, Mo.)
Milton Mfg. Co. (Merchant Bar Iron, Nuts, etc.), Dept H
MONACA—Pittsburgh Tool Steel Wire Co. **(Drawn Tool Steel for Twist Drills, Taps, etc.)**
MONESSEN—American Sheet & Tin Plate Co. (See Pittsburgh, Pa.)
Carnegie Steel Co. (See Pittsburgh, Pa.)
Page Steel & Wire Co. of N. J. (See Adrian, Mich.)
Pittsburgh Steel Co. (See Pittsburgh, Pa.)
MONONGAHELA—Liggett Spring & Axle Co. (See Pittsburgh, Pa.)
NEW CASTLE—Carnegie Steel Co. (See Pittsburgh, Pa.)
Elliott, Blair Steel Co. (Cold & Hot Rolled Strip Steel, etc.)
NEW KENSINGTON—American Sheet & Tin Plate Co. (See Pittsburgh, Pa.)
NORTHUMBERLAND—Van Alen & Co. (Iron Steel, Cut Nails & Spikes, etc)
PARKESBURG—Parkesburg Iron Co. (Charcoal Boiler Tube, Iron Skelp)
PENCOYD—American Bridge Co. (Steel Beams). (See Pittsburgh, Pa.; also Phila., Pa.)
PHILADELPHIA—American Bridge Co. (Steel Beams, Angles, Channels, Tees, Zees, Bar Steel, etc), Widener bldg. (See also Pittsburgh, Pa.)
Davis Bros. (Bar Iron, Angle Iron Up to 2 Inches, Spikes, etc), 29th & Bristol
Disston Henry & Sons (Tool & Sheet Steel, Cold Rolled & Cold Drawn Steel, etc), Tacony
Hoopes & Townsend Co. (Bar Iron & Steel Bolts, Rivets, Rods, etc), Broad & Buttonwood; Works also at Hooperstown, Pa.
Hughes & Patterson (Bar Iron Specialties & Skelp Iron, Bands, Hoops & Rods), 800 Richmond
Illingworth Jno. Steel Co. (Crucible, Hammered & Rerolled Steel Bars & Sheets for Tools, Saws, Knives & Files; also Rerolled Swedish & Norway Iron; also Rerolled & Hammered Open Hearth Steel), Tacony & Lewis
Logan Iron & Steel Co. (Bar & Staybolt Iron, Iron Angles, Crow Bars, Links & Pins, Drill Rods, etc), St. Girard bldg. Works: Burnham, Pa.
Nicetown Plate Washer Co. (Refined Merchant Bar Iron & Medium Steel Bars), 1824 Juniata
Pennsylvania Forge Co., Ash & Bath.
Philadelphia Steel & Forge Co., Milnor & Bleigh. (See New York)
Phoenix Iron Co. (Open Hearth Steel Ingots, Bars, Acid & Basic Process Beams, Angles, Channels), 22 S 15th. Works: Phoenixville, Pa.
Southwark Foundry & Machine Co., 1128 S 4th
See adv index at end of book
Standard Steel Works Co. (Steel Car & Locomotive Tires, Axles, etc), Morris bldg. Works: Burnham, Pa.
Wood Alan Iron & Steel Co. (Basic Open Hearth Steel Billets, Slabs, Sheet Bars, Black & Galvanized Iron & Steel Sheets & Plates, Locomotive Jacket Steel, Bath Boiler, Swede & Norway Sheets, Gas Holder, Corrugated, Pickled & Cold Rolled Sheets, Water Pipe & Light Plates), Widener bldg. Works: Conshohocken, Pa.
PHOENIXVILLE—Phoenix Iron Co. (See Phila., Pa.)
PITTSBURGH—Allegheny Steel Co. (Sheet Steel, Tank Plate, Sheet Bar, etc), Oliver bldg. Works: Brackenridge, Pa.
American Bridge Co. (Structural Steel, Billets, Blooms, Ingots), Frick bldg
American Sheet & Tin Plate Co. (Bessemer Open Hearth, Acid & Basic Sheet Steel, Black, Polished, Galvanized & Corrugated, Cold Rolled Tin & Terne Plate, etc), Frick bldg
American Steel & Wire Co., Frick bldg
See adv index at end of book
Blaw-Knox Co. (Steel Plates), Farmers Bank bldg
Brown & Co. (Tool Steel, Refined Bar & Hammered Iron for Special Purposes), 10th & Duquesne Way
BYERS A. M. CO. (Wrought Iron Pipe), 235 Water
See adv index at end of book
Carbon Steel Co. (Open Hearth Steel, Billets, Ingots, Sheared Plates, Universal Rolled Plates, Carbon Chrome Safe Plates, Locomotive, Driving, Car Axles, General, etc), ft. 32d
Carnegie Steel Co. (Steel Billets & Blooms, Rails, Beams & Structural Shapes, Armor & Boiler Plate, etc.), Carnegie bldg
Colonial Steel Co. (Crucible & Open Hearth Steel in Bars, Sheets, Circular Plates, etc), 324 4th av. Mills: Colona, Pa.
Crucible Steel Co. of America (Tool Steel, Merchant Bar Steel, Boiler & Tank Plate, Cold Drawn & Polished Steel Shafting, Cold Rolled Steel & General & Nickel Steel Forgings), Oliver bldg
Dilworth, Porter & Co., Ltd. (Tie Plates, Spikes, etc), 4th & Bingham
Follansbee Bros. Co. (Iron & Open Hearth Sheet Steel Sheets, Tin Plate & Black Plates for Tinning), 3rd & Liberty
Jones & Laughlin Steel Co. (Steel Billets & Blooms, Beams, Channels, Angles, Tees, Zees, Plates, Bars, Bands, Rails Up to 40 lbs., **Cold Finished Steel Spikes, Forgings**, etc.), Ross & 2nd
Mackintosh-Hemphill Co., 12th & Etna
MESTA MACHINE CO., Box 1124
See adv index at end of book
Monongahela Iron & Steel Co. (Bar Iron, Muck Bar, Melting Bar, etc), H Oliver bldg
Morris & Bailey Steel Co. (Cold Rolled Steel Sheets, etc.), P. O. Box 932
National Tube Co. ("National" Pipe & Boiler Tubes, etc), Frick bldg
Oliver Iron & Steel Co. (Bar Iron & Steel, Bolts, Nuts, Rivets, Forgings, etc), S 10th & Muriel
Pittsburgh Cold Rolled Steel Co. (Cold Rolled Flat Strip Steel), Plum st, Verona, Pa.
Pittsburgh Forge & Iron Co. (Merchant Bar & Staybolt Iron, etc), Chamber of Commerce bldg
Pittsburgh Spring & Steel Co. (Spring Steel all consumed by the Company), Farmers Bank bldg
Pittsburgh Steel Co. (Steel Billets, Wire, Rods & Nails, Steel Bands & Hoops, Staples, Cotton Ties, Barbed Wire, etc), 5th av & Grant
Pittsburgh Tube Co. (Bedstead Tubing), Keystone bldg. Mills: Colona, Pa.
Spang, Chalfant & Co. (Pipe & Tube Mills), Union Bank bldg. Works: Etna, Pa.
Standard Steel Car Co. (Steel Cars), A. V. R. R. Works: Butler, Pa.
Superior Steel Co. (Hot & Cold Rolled Strip Steel), 529H Union Arcade
West Leechburg Steel Co. (Hot & Cold Rolled Strip Steel), Farmers Bank bldg. Works: West Leechburg, Pa.
PORT VUE—McKeesport Tin Plate Co. (See McKeesport, Pa.)
POTTSTOWN—Glasgow Iron Co. (Muck Bars, Boiler, Tank & Bridge Plates, Boiler Heads, Pipe Flanges, etc)
Lessig Geo. B. Co. (Tack, Nail & Shovel Plate & Puddle Bars, etc.)
POTTSVILLE—Eastern Steel Co. (Steel Beams & Structural Shapes, Bridge Plate, etc). (See Pittsburgh, Pa.)
RANKIN—Columbia Steel & Shafting Co.
READING—Carpenter Steel Co. (Crucible Tool Steel, Gun, Roller & Machinery Steel, etc)
Reading Iron Co. (Merchant Bar Iron, Wrought Iron Pipe, etc.), Baer bldg
Seyfert Simon (Est. of). Works: Blandon, Pa.
SCOTTDALE—American Sheet & Tin Plate Co. (See Pittsburgh, Pa.)
SCRANTON—Scranton Bolt & Nut Co. (Bar Iron, Bolts, Nuts, etc)
SHARON—Carnegie Steel Co. (See Pittsburgh, Pa.)
Republic Iron & Steel Co. (See Youngstown, O.)
Sharon Steel Hoop Co. (Open Hearth Steel Billets, Ingots & Bands, Hoops & Strips), Finance bldg
SHARPSBURG—Moorehead Bros. & Co. (Bar Iron, Boiler Sheet Tank & Skelp Iron & Steel)
SLATINGTON—Slatington Iron & Steel Co. ("Slatington Best," "Slatington Norway," "Slatington Staybolt," "Lehigh," High Grade Bar Iron. Also Staybolt, Boiler Rivet, Horse Shoe, Angle & Drop Forging Iron, etc)
SOUTH BETHLEHEM—Bethlehem Steel Co. (Steel Billets & Blooms, Armor Plate Steel Bars, Light Rails, etc)
VANDERGRIFT—American Sheet & Tin Plate Co. (See Pittsburgh, Pa.)
WASHINGTON—Jessup Steel Co. (Crucible Steel Ingots, Sheets & Saw Steel, etc.)
Tyler Tube & Pipe Co. (Charcoal Skelp & Blooms & Lap Welded Boiler Tubes)
Universal Rolling Mill Co.
WEST LEECHBURG—West Leechburg Steel Co. (See Pittsburgh, Pa.)
WILSON—Monongahela Tube Co. (See Pittsburgh, Pa.)
Morris & Bailey Steel Co. (Cold Rolled Steel Sheets, etc)
WILLIAMSPORT—Sweets Steel Co.
WYOMING—Wyoming Shovel Works (Picks & Shovels)
YORK—Susquehanna Iron Co. (See Columbia, Pa.)

RHODE ISLAND.

PHILLIPSDALE — Washburn Wire Co. (Steel Billets, Steel Wire Rods & Nails, etc)

(Continued on following page)

Rolling Mills (Iron & Steel)—Cont.

RHODE ISLAND—Continued

PROVIDENCE—McWilliams Mfg. Co., 237 Eddy

TENNESSEE.

BRISTOL—Virginia Iron, Coal & Coke Co (Merchant Bar Iron)

KNOXVILLE—Knoxville Iron Co. (Merchant Bar Iron & Steel)

TEXAS.

FORT WORTH—Armstrong Geo. W. & Co., Inc. (Merchant Bar Iron)

VIRGINIA.

RICHMOND—Old Dominion Iron & Steel Corp. (Merchant Bar Iron, Car & Bridge Iron, etc), Belle Isle Tredegar Co. (Merchant Bar, Angle Bars & Fish Plates), ft. of 5th

ROANOKE—Virginia Iron, Coal & Coke Co. (Merchant Bar Iron). Mills: Bristol, Tenn.

WEST VIRGINIA.

BENWOOD—National Tube Co. (See Pittsburgh)

HUNTINGTON—West Virginia Rail Co. (Light Rails)

PARKERSBURG—Parkersburg Iron & Steel Co. (Sheet Iron & Steel)

WEIRTON—Weirton Steel Co. (Polished Sheets, Steel Sheets for Stamped Ware, Stove Pipe, Enameling & Galvanizing Stock, Milk Can & Show Card Stock, Trunk & Tagger's Iron & Tin & Terne Plate Mfrs.) (Works also Steubenville Ohio)

WHEELING—Wheeling Corrugating Co. (Open Hearth Steel Billets, Slabs, Ingots, Light Plates, Sheets, etc.) Wheeling Steel Corp.

WISCONSIN.

MILWAUKEE—Illinois Steel Co. (see Chicago, Ill.)

12650—Rolling Mills (Lead & Zinc)

See also Rolling Mill Machy.

Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book

Garrison A. Foundry Co., 901 Bingham Pittsburgh, Pa.

Mackintosh-Hemphill Co., 12th & Etna, Pittsburgh, Pa.

Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book

Standard Machinery Co., Providence, R. I.

12651—Rolling Mills (Phosphor Bronze, Etc.)

Mackintosh-Hemphill Co., 12th & Etna, Pittsburgh, Pa.

Riverside Metal Co., Riverside, N. J.

Stamford Rolling Mills Co. Inc., Springdale, Conn.

Rolling (Steel Doors)

See Doors (Rolling Steel)

12652—Rolls (Adding Machine)

Alling & Cory Co., Rochester, N. Y.

American Sales Book Co. (Ltd.) (Duplicate), Elmira, N. Y.

California Binding Co., 272 Sutter, San Francisco, Cal.

Colonial Co., Mechanic Falls, Me.

Dudley Paper Co., Lansing, Mich.

Emerson Paper Co., Sunapee, N. H.

Hammermill Paper Co., Erie, Pa.

International Roll Paper Co., No. Manchester, Ind.

Irish Geo. Paper Co., 25 River, Buffalo, N. Y.

Miller-Bryant-Pierce Co., Aurora, Ill.

Nashua Spool & Bobbin Co., Haverhill National Bank bldg, Haverhill, Mass.

Paper Mfrs. Co., Inc. (& Ticker), 5th & Willow, Phila., Pa.

Perry Chas. E. Co., 183 Congress, Boston, Mass.

Rockwell-Barnes Co., 823 S Wabash av, Chicago, Ill.

Shepard Sales-Book Co., 29 Minna, San Francisco, Cal.

Tuttle Press Co., Appleton, Wis.

UNION PAPER & TWINE CO., 128 St. Clair av NW, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book

Rolls (Automobile Tool)

See Tool Rolls, Automobile

12653— Rolls (Bar)

Mackintosh-Hemphill Co., 12th & Etna, Pittsburgh, Pa.

Pittsburgh Rolls Corp. ("Phoenix Metal"), 41st & Willow, Pittsburgh, Pa.

Seaman-Sleeth Co., 41st & Willow, Pittsburgh, Pa.

12654— Rolls (Beater)

Dilts Machine Works (Bandless Beater Rolls for Paper Mills), Fulton, N. Y.

12655—Rolls (Belt Conveyor)

Alvey Manufacturing Co., 3201 S B'way, St. Louis, Mo.

Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book

CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
See adv index at end of book

Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book

Conveyor Co., 140 W Elmyra, Los Angeles, Cal.

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

12656—Rolls (Bending, Hand & Belt Power)

Bethlehem Steel Co., Bethlehem, Pa.

Chambersburg Engng. Co. (Belt & Electric Driven) Chambersburg, Pa.

Consolidated Mach. Tool Corp of Amer., 17 E 42nd, New York
See adv index at end of book

Hendley & Whittemore Co., Beloit, Wis.

Ironton Punch & Shear Co., Ironton, O.

Kling Bros. Engineering Works, 1300 N Kostner av, Chicago, Ill.

NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y.

Rock River Machine Co. (Hand Only), Janesville, Wis.

12657—Rolls (Bending & Straightening)

Bertsch & Co. (Hand or Power for Plates, Sheets, Angles, Angle Iron, etc), Cambridge City, Ind.

Bethlehem Steel Co. (Hydraulic Plate Bending, Horizontal & Vertical), Bethlehem, Pa.

Betts Machine Co., Maryland av & South, Wilmington, Del.

Camden Forge Co., Camden, N. J.

Cleveland Punch & Shear Works Co., 3917 St. Clair av N E, Cleveland, O.
See adv index at end of book

Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book

Covington Machine Co., Covington, Va.

Erie Forge Co. (Feed), Erie, Pa.

Hendley & Whittemore Co. ("Beloit" Bending), Beloit, Wis.

Ironton Punch & Shear Co. (Heavy Power), Ironton, O.

Klemm E. R. (Plate Bending), 1453 Austin av, Chicago, Ill.

Kling Bros. Engineering Works, 1300 N Kostner av, Chicago, Ill.

Long & Allstatter Co. (Tire Bending, etc), Hamilton, O.
See adv index at end of book

Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book

Morgan Engineering Co., Alliance, O.

New Doty Mfg. Co., Janesville, Wis.

Niles-Bement-Pond Co., 111 B'way, New York
See adv index at end of book

Niles Forge & Mfg. Co. (Plate Bending), Niles, O.

Perkins Machine Co. (Hand & Power Bending, Electric), Warren, Mass.

Pollak Steel Co., Cincinnati, O.

Rock River Machine Co. ("Badger" Hand & Belt Power & Motor Driven Plate Bending Rolls), Janesville, Wis.

Ryerson Jos T. & Son, Inc., 2558 W. 16th, Chicago, Ill. *See adv index at end of book*

Seaman-Sleeth Co., 41st & Willow, Pittsburgh, Pa.

Sellers Wm. & Co., 1600 Hamilton, Philadelphia, Pa.

Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book

Taylor-Wilson Mfg. Co. (Plate Skelp Bending Only), McKees Rocks, Pa.

Titusville Forge Co., Titusville, Pa.

United Engineering & Foundry Co., Farmers Bk. bldg, Pittsburgh, Pa.

WICKES BROS. (Power for Plates, Angles, etc.), Saginaw, Mich.
See adv index at end of book

Williams, White & Co., 301 8th, Moline, Ill.

12658-9—Rolls (Blue Print)

Lovell Mfg. Co. (And for Mechanical Work), Erie, Pa.

12660—Rolls (Brass & Bronze)

AMERICAN BRASS CO. (& Copper), Waterbury, Conn.
For branch offices see adv index at end of book

Beloit Iron Works, Beloit, Wis.

Bridgeport Brass Co., Bridgeport, Conn.

Conklin T. E. Brass & Copper Co., 54-60 Lafayette, New York
See adv index at end of book

Conn. Brass & Mfg. Corp. (Thin Gauge), Watertown av, Waterbury, Conn.

Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York

Hunt Rodney Mach. Co. (Brass), Orange, Mass.

Pittsburgh Rolls Corp. ("Phoenix Metal"), 41st & Willow, Pittsburgh, Pa.

Pusey & Jones (Brass Jacketed for Felts), H, Poplar, Wilmington, Del.

Rome Brass & Copper Co. (Coiled), Rome, N. Y.

Western Cartridge Co., E Alton, Ill.

12661— Rolls (Breaker)

American Manganese Steel Co. ("Amsco" Brand Manganese Steel for Coal Breakers, etc.), Dept. H, 14th & State, Chicago Heights, Ill.

Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book

Jeffrey Mfg. Co., 961 N Fourth, Columbus, O. *See adv index at end of book*

LINK-BELT COMPANY ("Flint River" for Coal, Coke, etc.), 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book

12662— Rolls (Bullion)

Calkins Co., Los Angeles, Cal.

12663—Rolls (Chilled Calender)

Clark H. C. & Son Machine Co., Lee, Mass.

Farrel Foundry & Machine Co., Ansonia, Conn.
See adv index at end of book

Holyoke Machine Co. (Chilled Iron, Paper, Cotton & Husk), Holyoke & Worcester, Mass.

Improved Paper Machinery Co., Nashua, N. H.

Lobdell Car Wheel Co., Wilmington, Del.

National Roll & Foundry Co., Avonmore, Pa.

Norwood Engineering Co. (Chilled Iron, Paper & Cotton), Florence, Mass.

Pusey & Jones Co., Dept H, Poplar & Front, Wilmington, Del.

Rice, Barton & Fales Inc., 65 Taintor, Worcester, Mass.

Sandy Hill Iron & Brass Works, Hudson Falls, N. Y.

12664-5—Rolls (Chilled for Rolling Gold & Silver)

Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.

Lobdell Car Wheel Co., Wilmington, Del.

12666—Rolls (Composition Calender & Paper Machinery)

Fuller Iron Wks., 40 Tockwotton, Providence, R. I.

12667—Rolls (Crimping & Corrugating)

See also Machinery, Sheet Metal Workers'

Bertsch & Co., Cambridge City, Ind.

BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book

Driggs-Seabury Ordinance Co., Sharon, Pa.

Gump B. F. Co. (Corrugating Only), 431 S Clinton, Chicago, Ill.

Keene Geo. C. & Co., 2327 Florence av, Cincinnati, O.

Metallic Drawing Roll Co., Indian Orchard, Mass.

New Doty Mfg. Co., Janesville, Wis.

Niagara Machine & Tool Works, Buffalo, N. Y.

Robinson J. M. Mfg. Co., 3282 Spring Grove, Cincinnati, O.

Rock River Machine Co., Janesville, Wis.

Streine Tool & Mfg. Co., New Bremen, O.

12668— Rolls (Crushing)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book

Abbe Engineering Co., 38 Church, New York *See adv index at end of book*

Allis Chalmers Mfg. Co. (Rock & Ore), Milwaukee, Wis.
See adv index at end of book

Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book

Bethlehem Steel Co., Bethlehem, Pa.

Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.

Bonnot Co. (The), (Clay, etc), 722 Mulberry rd S E, Canton, O.

BUCHANAN C. G. CO. INC. ("Buchanan" Plain or Corrugated), 90 West, New York

Buckeye Iron & Brass Works, Dayton, O.

Callahan W. P. Co. (Cottonseed & Linseed, etc), Dayton, O.

Central Fdry. Co., Joplin, Mo.

Chalmers-Williams Mfg. Co. (For Gold & Silver Ore, or Cement Plants), 1461 Arnold, Chicago Heights, Ill.

Colorado Iron Works Co. ("Humphrey"), Denver, Col.

Davidson & Kennedy Co. (For Cotton & Other Seeds), 872 N Ashley, Atlanta, Ga.

Denver Engineering Works Co., Denver, Colo.

Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn.
See adv index at end of book

French Oil Mill Machinery Co., (Seed Crushing), Piqua, O.
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Galena Iron Works Corp., Galena, Ill.
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
Hallidie Co., Spokane, Wash.
Hendy Joshua Iron Works (Ore), 75 Fremont, San Francisco, Cal.
Hoagland's M. Sons Co., Rockaway, N. J.
Kennedy Van Saun Mfg. & Eng. Corp. (Sizes 12 in. up to 72 in.), 50 Church, New York *See adv index at end of book*
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Lobdell Car Wheel Co., Wilmington, Del.
McFarlane-Eggers Machy. Co. (Horizontal), Denver, Colo.
McFarlane Mfg. Co., Denver, Colo.
Matthews W. N. & Bro. Inc. ("Matthews" "Holdfast"), 2922 Easton av, St. Louis, Mo.
Mine & Smelter Supply Co., 42 B'way, New York
Penn Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.
Penna. Crusher Co., Stephen Girard bldg, Philadelphia, Pa.
Phila. Roll & Machine Co., 52nd & Grays av, Phila., Pa.
Piatt Iron Works Co., Dayton, O.
Pollak Steel Co., Cincinnati, O.
Robinson Mfg. Co., Muncy, Pa.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Standard Sand & Machine Co., 5150 St. Clair av, Cleveland, O.
Standard Steel Works Co. (Steel), Morris bldg, Phila., Pa.
Stedman's Foundry & Mach. Wks., Aurora, Ind.
Stroh Steel Hardening Process Co., 1st National Bank bldg, Pittsburgh, Pa.
Sturtevant Mill Co. (Balanced for Dry & Wet Materials), Clayton & Park, Dorchester, Boston, Mass.
Titusville Forge Co. (Sugar Mill), Titusville, Pa.
Traylor Engng. & Mfg. Co., Allentown, Pa.
United Iron Works Inc., Kansas City, Mo.
William A. Box Iron Works Co., 3309 Blake, Denver, Colo.
Wilmot Engineering Co. ("Lloyd's" Gear Driven), Hazelton, Pa.
Worthington Pump & Machy. Corp., 115 B'way, New York

12669— Rolls (Dandy)

Appleton Wire Works, Appleton, Wis.
Bigelow Cheney Wire Works, 417 Liberty, Springfield, Mass.
Buchanan & Bolt Wire Co., Holyoke, Mass.
Eastwood Wire Mfg. Co., Belleville, N. J.
Gleesen Thos. E., East Newark, N. J.
Smith C. H. & Co., 46 Irvington, Springfield, Mass.

12670— Rolls (Engravers')

Bethlehem Steel Co., Bethlehem, Pa.
Hoggson & Pettis Mfg. Co., 161 Brewery, New Haven, Conn.

12671— Rolls (Felt)

Brawley T. R., 270 20th, Brooklyn, N. Y.
See adv index at end of book
Continental Felt Co., 64-66 E 11th, New York *See adv index at end of book*
Monarch Felt Works, 39-45H York, Brooklyn, N. Y.
Western Felt Works, 4115 Ogden av, Chicago, Ill.

12672— Rolls (Flaking)

Allis-Chalmers Mfg. Co. (Flour Mill), Milwaukee, Wis. *See adv index at end of book*
Wolf Co., Chambersburg, Pa.

12673— Rolls (Forged Steel)

AMERICAN HOLLOW BORING CO., 1055 W 19th, Erie, Pa.
Birmingham Iron Foundry, Derby, Conn.
KROPP FORGE CO., 5301 Roosevelt rd, Chicago
See adv index at end of book
Llewellyn Iron Wks., 1200 N Main, Los Angeles, Calif.
Penna. Forge Co., Ash & Bath, Phila., Pa.
Tinker F. & Sons Co., 5687 Butler, Pittsburgh, Pa.

12674—Rolls (Forging & Tapering)

Ajax Mfg. Co., 3330 Lakeside av, Cleveland, O.
Bethlehem Steel Co., Bethlehem, Pa.
Danville Iron & Steel Co., Danville, Pa.
Williams, White & Co., 301 8th, Moline, Ill.

12675— Rolls (Grinding)

Abbe Paul O. Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Allis-Chalmers Mfg. Co. (Flour Mill), Milwaukee, Wis.
See adv index at end of book
American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept. H, 14th & State, Chicago, Ill.
Buchanan C. G. Co. (Wet & Dry), 90 West, New York
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
National Roll & Foundry Co. (Paper, Oil & Flour Mill), Avonmore, Pa.
Nordyke & Marmon Co., Keneucky av & Morris, Indianapolis, Ind.
Robinson H. Mfg. Co. (& Corrugating), Muncy, Pa.
Sandy Hill Iron & Brass Works (For Paper Mills), Hudson Falls, N. Y.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Standard Sand & Machine Co., 5150 St. Clair av, Cleveland, O.
Wagner J. Mfg. Co., 165 Beale, San Francisco, Cal.
William A. Box Iron Co., 3309 Blake, Denver, Colo.
Wolf Co., Chambersburg, Pa.

12676—Rolls (High Carbon Steel)

Lobdell Car Wheel Co., Wilmington, Del.

12677—Rolls (Hub Band Bending & Truing)

Williams, White & Co., 301 8th, Moline, Ill.

12678—Rolls (Ignition Friction)

Waltham Screw Co. (In connection with Ceric Iron), Waltham, Mass.

12679— Rolls (Jewelers')

Hamilton George (Figured, For Rings, etc), 144 Pine, Providence, R. I.
Hammond Steel Co. Inc., Solvay, N. Y.
Leiman Bros., 60-62 Lispenard, New York
Manville E. J. Machine Co., Waterbury, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Worthington & Raymond (Dealer) ("Optimus," "W. & R."), 71 Murray, New York

12680—Rolls (Lap Welding)

Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Mackintosh-Hemphill Co., 12th & Etna, Pittsburgh, Pa.
Pittsburgh Rolls Corp ("Phoenix Metal"), 41st & Willow, Pittsburgh, Pa.
United Engineering & Foundry Co. (Single & Double For Pipe & Tube Mills), Farmers Bank bldg, Pittsburgh, Pa.

12681-2—Rolls (Leather Pressure)

Barry & Zecher Co., Lancaster, Pa.

12683— Rolls (Live)

Allis-Chalmers Mfg. Co. (Saw Mill), Milwaukee, Wis. *See adv index at end of book*
Union Iron Works Co., Selma, Ala.
Wheland Co. (Steel), Chattanooga, Tenn.

12684—Rolls (Merchant Shapes)

Seaman-Sleeth Co., 41st & Willow, Pittsburgh, Pa.

12684a—Rolls (Monel Metal)

Dahlquist Mfg. Co., Boston, Mass.
Sholes, Inc., 186 Lafayette, New York
Watson Machine Co., Paterson, N. J.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book

12685—Rolls (Music, Perforated)

Elastoid Fibre Co. ("Elastoid" Paper Tubes for Music Rolls), Waltham, Mass.
Kimball W. W. Co., 304 S Wabash av, Chicago, Ill.
Musicnote Roll Co., Dixon, Ill.
Mel-O-Dee Music Co. Inc. ("Mel-O-Dee"), 380 Willis av, New York
Royal Music Roll Co., 2964 Main, Buffalo, N. Y.
Standard Music Roll Co. (For Player-pianos), Orange, N. J.
United Music Stores ("Connorized" & "Pianostyle," "United" Word & Instrument), 619H Cherry, Phila., Pa.

12685a—Rolls (Nickel Silver)

CONKLIN T. E. BRASS & COPPER CO., 54-60 Lafayette, New York
See adv index at end of book

12686— Rolls (Oil Mill)

Lobdell Car Wheel Co., Wilmington, Del.
National Roll & Foundry Co. (Cotton & Linseed), Avonmore, Pa.

12687-8—Rolls (Painting for Long Length Sheet Metal)

Canton Foundry & Machine Co. ("Universal"), Canton, O.
See adv index at end of book

12689— *Rolls (Pinking)

Delaware Hard Fibre Co. (Fibre), Wilmington, Del. *See adv index at end of book*

12690—Rolls (Pipe Welding)

Pittsburgh Iron & Steel Foundries Co., H, Oliver bldg, Pittsburgh, Pa.

12691— Rolls (Plate)

Bethlehem Steel Co., Bethlehem, Pa.
KLING BROS. ENGNG. WKS., 1300 N Kostner av, Chicago, Ill.
See adv index at end of book
Mackintosh-Hemphill Co., 12th & Etna, Pittsburgh, Pa.
Seaman-Sleeth Co., 41st & Willow, Pittsburgh, Pa.

Rolls (Plate Bending)

See Rolls, Bending & Straightening

12692-3— Rolls (Rail)

Mackintosh-Hemphill Co., 12th & Etna, Pittsburgh, Pa.
Pittsburgh Iron & Steel Foundry Co., H Oliver bldg, Pittsburgh, Pa.
Seaman-Sleeth Co., 41st & Willow, Pittsburgh, Pa.

12694— Rolls (Rubber)

American Wringer Co. (Rubber Covered), 91 Social, Woonsocket, R. I.
Boston Belting Corp., 84 Linden Park, Boston, Mass.
Cincinnati Rubber Mfg. Co. (Rubber Covered), Norwood, Cincinnati, Ohio
See adv index at end of book
Combination Rubber Mfg. Co. (Also Rubber Covered) Bloomfield, N. J.
Continental Rubber Works, Erie, Pa.
Empire Tire & Rubber Corp., Trenton, N. J.
Everhard Mfg. Co., 317 Schroyer av, S W, Canton, Ohio
Goodrich B. F. Co., Akron, O.
Gutta Percha & Rubber Mfg. Co., 350 Madison av, New York
Lovell Mfg Co. (For Laundries, Woolen Mills, Tanneries, etc), Erie., Pa.
Manhattan Rubber Mfg. Co., Passaic, N. J.
Mercer Rubber Co. (Rubber Covered), Hamilton Square, N. J.
Pennsylvania Rubber Co., Jeannette, Pa.
Pusey & Jones (Rubber Covered), H, Poplar & Front, Wilmington, Del.
Quaker City Rubber Co., 672 Market, Phila., Pa.
See adv index at end of book
Republic Rubber Co., Youngstown, O.
Revere Rubber Co. (And Rubber Covered), Chelsea, Mass.
Southwark Foundry & Machine Co. (Machine), 1128 S. 4th, Phila., Pa.
See adv index at end of book
U. S. Rubber Co. (Covered), 1790 B'way, New York *See adv index at end of book*

12695—Rolls (Sand & Chilled)

See also Machinery, Rolling Mill

Allis-Chalmers Mfg. Co. (Chilled Iron), Milwaukee, Wis.
See adv index at end of book
Beloit Iron Works (Iron), Beloit, Wis.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Birmingham Iron Foundry, Derby, Conn.
Black-Clawson Co., Hamilton, O.
FARREL FOUNDRY & MACHINE CO., 30 Main, Ansonia, Conn.
See adv index at end of book
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Hubbard Steel Foundry Co. (Chilled Sand & Steel), East Chicago, Ind.
Hyde Park Foundry & Machine Co. (Sand & Chilled), Hyde Park, Pa.
Lewis Foundry & Machine Co., Farmers Bank bldg, Pittsburgh, Pa.
Lobdell Car Wheel Co. (Sand & Chilled Cast Iron), Wilmington, Del.
Mackintosh-Hemphill Co., 12th & Etna, Pittsburgh, Pa.
MESTA MACHINE CO., Box 1124, Pittsburgh, Pa.
See adv index at end of book
National Roll & Foundry Co. (Sand & Chilled), Avonmore, Pa.
Philadelphia Roll & Machine Co. (Sand Chilled & Steel), 52nd & Grays av, Phila., Pa.
PITTSBURGH ROLLS CORP. ("Phoenix" Metal), 41st & Willow, Pittsburgh, Pa.
Robinson H. Mfg. Co., Muncy, Pa.
Seaman-Sleeth Co. (For all purposes, for Metal Rolling), 41st & Willow, Pittsburgh, Pa.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Standard Engineering Co., Ellwood City, Pa.
United Engineering & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.
United Iron Works Inc., Kansas City, Mo.
Wheeling Mold & Foundry Co., Wheeling, W. Va.
Youngstown Foundry & Machine Co. Youngstown, O.

12696—Rolls (Scrap Reclaiming)

Ajax Mfg. Co., 3830 Lakeside av, Cleveland, O.

12697— Rolls (Slugger)

Kennedy Van Saun Mfg. & Eng. Corp., 50 Church, New York
See adv index at end of book

12697a— Rolls (Smooth)

Kennedy-Van Saun Mfg. & Eng. Corp., 50 Church, New York
See adv index at end of book

12697b—Rolls (Special Alloy)

MESTA MACHINE CO., Box 1124, Pittsburgh, Pa.
See adv index at end of book

Phila. Roll & Machine Co. (Steel), 52nd, & Grays av, Phila., Pa.
Pittsburgh Rolls Corp., 41st, Willow, Pittsburgh, Pa.

Pittsburgh Rolls Corporation
PHOENIX ROLL WORKS
41st and Willow Streets, Pittsburgh, Pa.

PHOENIX METAL CHILL
SAND AND STEEL ROLLS

12698— Rolls (Stay)

Frantz Mfg. Co., Sterling, Ill.
Lawrence Bros. ("Union," "Faultless," Adjustable), Sterling, Ill.

12699— Rolls (Steel)

Steel Rolls for Rolling Mills, etc

Bethlehem Steel Co., Bethlehem, Pa.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
Canton Steel Foundry Co., Dept H, 1502 Allen av, S E, Canton, O.
Hubbard Steel Foundry Co., E. Chicago, Ind.
Llewellyn Iron Wks., 1200H N. Main, Los Angeles, Calif.
Lobdell Car Wheel Co., Wilmington, Del.
Mackintosh-Hemphill Co., (Alloy "Manganite" & Chilled "Adonite"), 12th & Etna, Pittsburgh, Pa.
Mesta Machine Co. (Acid Open Hearth), Box 1124, Pittsburgh, Pa.
See adv index at end of book
Midvale Co. (Hardened & Ground), Nicetown, Phila., Pa.
Otis Steel Co., Riverside Plant, Cleveland, Ohio
Phila. Roll & Machine Co., 52nd & Grays av, Phila., Pa.
Pittsburgh Iron & Steel Foundry Co. ("Adamite"), H Oliver bldg, Pittsburgh, Pa.
Pittsburgh Rolls Corp., 41st & Willow, Pittsburgh, Pa.
Pittsburgh Steel Foundry Co., 1115H Empire bldg, Pittsburgh, Pa.
Pratt & Letchworth Co. (Vanadium & Other Steel), 189 Tonawanda, Buffalo, N. Y.
United Engineering & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.
Wheeling Mold & Foundry Co. (Super-Steel), Wheeling, W. Va.

12700—Rolls (Street Sweeper)

Lay Jos. Co. (Brass, Fibre, Bamboo, Rattan, Hickory, Splints, Steel Wire, etc), Ridgeville, Ind.

12701— Rolls (Suction)

Sandusky Foundry & Machine Co. ("Millspaugh"), Sandusky, O.

12702— Rolls (Tin Plate)

Mackintosh-Hemphill Co., 12th & Etna, Pittsburgh, Pa.
Seaman-Sleeth Co., 41st & Willow, Pittsburgh, Pa.

12703—Rolls (Tool, Canvas)

Aronoff Joseph J., Trenton, N. J.
B. E. Mfg. Co. ("Bemco"), 210 13th, Long Island City, N. Y.
Canvas Leather Specialty Co., 757 Cass, Trenton, N. J.
Cincinnati Tent & Awning Co., 232 E 3d, Cincinnati, O.
Detroit Leather Wks., 683 E. Lafayette, Detroit, Mich.
Humphrys' R. A. Sons, 1026 Callowhill, Phila, Pa. *See adv index at end of book*
Nathan Novelty Mfg. Co. ("Nathan"), 2157 Prospect av, New York

12704— Rolls (Typewriter)

Goodrich B. F. Co. (Rubber), Akron, O.
Pennsylvania Rubber Co., Jeannette, Pa.
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book

Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.

12705-6— Rolls (Vacuum)

Farnham Mfg. Co. ("Farnham" for Cylinder & Wet Machines for Paper Mills), 39 Indiana, Buffalo, N. Y.
Universal Tire & Rubber Co., 938 Harrison, San Francisco, Cal.

12707— Rolls (Wood)

Beloit Iron Works, Beloit, Wis.
Estes E. B. & Sons (For Various Purposes), 364 5th av, New York
See adv index at end of book
Hunt, Rodney, Machine Co., Orange, Mass.
Novelty Turning Co. (For Perforated Music), Norway, Me.
Standard Turning Works, Cambridge, Mass.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Tatem J. B. & Son (Lawn Mower & Heavy), Putnam, Conn.

12707a—Rolls (Wood, Monel Metal Gudgeons & Fittings)

INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book

Rodney Hunt Machine Co., Orange, Mass.
Sholes, Inc., 186 Lafayette, New York
Textile Roll & Supply Co., Orange, Mass.

Rolls (Wringer)

See Rolls, Rubber

12707a— Roof Coating

American Insulation Co., Nicetown, Phila., Pa. *See adv index at end of book*
Antaka Co. ("Roof Tight" Asbestoc Liquid), 1329 Mohawk, Chicago, Ill.
Certain-teed Products Co. ("Certain-teed" Tar Refined), Boatmans Bank bldg, St. Louis, Mo.
Patton Paint Co., Milwaukee, Wis.
Protexol Corp., 41 Barclay, New York
See adv index at end of book
RUBEROID CO., THE, 95 Madison av, New York
See adv index at end of book

RU-BER-OID
Roof Coatings
Ruberoid Roof-coating
A preservative coating for composition and metal roofs which withstands the action of smoke and fumes.
Ruberoid Liquid Fibre-cement
For roofs so badly worn as to require a heavier bodied material than liquid coating.
The RUBEROID Co.
95 Madison Avenue New York

Texas Company, The, Dept D, 17 Battery pl, New York
See adv index at end of book
Wyoming Roofing Products Co. (Asbestos Fibre Liquid), Wyoming, Pa.

12708-9— Roof Joint

Parker E. L. & Nimmo Co. ("Reese" Patent Water Tight, Expanding, etc), 203 S Charles, Baltimore, Md.
RUBEROID CO., THE (Ruberoid Lap Fasteners clamp seams of ready roofing tightly and save time and labor), 95 Madison av, New York
See adv index at end of book

12710— Roof Snow Guards

Berger Bros. Co., 229 Arch, Philadelphia, Pa.
Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.
Danzer Metal Works, Hagerstown, Md.
Duplex Hanger Co. ("Cleveland," Galvanized & Corrugated), E 53rd & Lakeside av, Cleveland, O.
Folsom Snow Guard Co., 80 Boylston, Boston, Mass.
Fulmer J. H. ("Eagle," "Fulmer," "Eureka"), Nazareth, Pa.
Hamblin & Russell Mfg. Co. ("Brace," "Standard"), 28 Water, Worcester, Mass.
Hungerford U. T. Brass & Copper Co. (Copper & Galv'd Iron), 80 Lafayette, New York
Knickerbocker Slate Corp., 153 E 38th, New York
Peter F. N. & Bro. ("Never Break"), Newside, Pa.
Sieger & Son Mfg. Co., Slatington, Pa.
Wrightsville Hardware Co. (Cast Iron), Wrightsville, Pa.

12711—Roofers (Plastic Slate)

Aeolian Plastic Slate Roofing Co. (Tile, Brick & Slate Paved Roofs), 637 W 42d, New York
Casmento Specif Roofing Co., 103 Park av, New York
Griffin Roofing Co., 506 W 26th, New York
Johns-Manville Inc. (Ready to lay built up, corrugated shingles), Madison av & 41st, New York.
Laura John & Co. Inc., 322 E 24th, New York
Noble H. Co., Caroline & Aliceanna, Baltimore, Md.

12712— Roofing (Actinolite)

Machwirth Bros. Co., 201-9 Oak, Buffalo, N. Y.

12713— Roofing (Asbestos)

AMERICAN INSULATION CO., Nicetown, Phila, Pa. *See adv index at end of book*
Asbestos Shingle Slate & Sheathing Co., Ambler, Pa.
Carey Philip Mfg. Co. ("Carey," "Fibre-rock" Asphalt Saturated Felt, "Manco" Asphalt Cement), 330 Wayne av, Lockland, Cincinnati, O.
Chicago Asbestos Mfg. Co., 1909 W 22d pl, Chicago, Ill.
EDWARDS MFG. CO., Cincinnati, O.
See adv index at end of book
Ehret Magnesia Mfg. Co., Valley Forge, Pa.
Federal Asbestos Co., Milwaukee, Wis.
Hoff Magnesite Co. ("Hoffite Plastic"), 333 Monadnock bldg, San Francisco, Cal.
Johns-Manville H. W. Co. (Ready-to-lay **Bulk-Up, Corrugated Shingles), Madison av & 41st New York**
Keasbey & Mattison Co., Ambler, Pa.
Malott & Peterson, 2412 Harrison, San Francisco, Cal.
Mikesell Bros. Co., Wabash, Ind.
See adv index at end of book
National Asbestos Mfg. Co., 193 Henderson, Jersey City, N. J.
Pacific Asbestos & Supply Co., 315 Front, Portland, Ore.
Paraffin Co.'s, Inc., 475 Brannan, San Francisco, Cal.
Pioneer Paper Co., 247 S Los Angeles, Los Angeles, Cal.
Porter Iron Roofing & Corrugating Co., 522 Culvert, Cincinnati, O.
Scott Roofing & Mfg. Co., 408 Culvert, Cincinnati, O.
Warren Chemical & Mfg. Co., 17 Battery pl, New York
Watson H. F. Co., Erie, Pa.
Western Elaterite Roofing Co. ("Elaterite"), Equitable bldg, Denver, Colo.

12714-15—Roofing (Asbestos Protected Metal)

American Insulation Co., Nicetown, Phila., Pa. *See adv index at end of book*
Pidgeon-Thomas Iron Co., Memphis, Tenn.

12716—Roofing (Asphalt, Ready)

Burlap Back
Gravel Surface
Grit Surfaced
Mica Plated
Pebble Surface
Sand Surface
Slate Surface
Stone Surface
Terra Cotta Surface

Amalgamated Roofing Co. ("In-Lade"), 431 S Dearborn, Chicago, Ill.
American Roof Co. ("Old American"), 15th & Blue River, Kansas City, Mo.
American Insulation Co., Nicetown, Phila., Pa. *See adv index at end of book*
American Roofing Co. ("Peerless"), Kansas City, Mo.
Apco Asphalt Roofing Co., Grand Central Terminal bldg, New York
Asphalt Roof Coating Co., Ltd. ("Protection"), 10 E 43d, New York
Atlantic Refining Co. (Saturating, Fluxing, Paving, 260 S Broad, Phila., Pa.
Barber Asphalt Co. ("Genasco" & "Standard Trinidad"), Land Title bldg, Phila., Pa.
Barnitz Geo. A., York, Pa.
Barrett Co. ("Black Diamond," "Everlastic"), 40 Rector, New York
Beckman-Dawson Roofing Co., 111 W Jackson, Chicago, Ill.
Berkheimer J. E. Mfg. Co., Tacoma, Wash.
Bird & Son ("Neponset Paroid", East Walpole, Mass.
Bodine Roofing Co., Mansfield, O.
Cameron & Barkley Co. ("Carey," Dirs.), 338 E Hay, Jacksonville, Fla.
CAREY PHILIP MFG. CO. ("Carey" Roll Roofings, "Feltex" Asphalt Saturated Felt, "Manco" Asphalt Cement), 330 Wayne av, Cincinnati, Ohio
Carpenter-Morton Co. (Wool Felt Saturated with Asphalt), 77 Sudbury, Boston, Mass.
Cartier W. N. & Sons Co. ("Roger Williams" Rubberlyk), 289 Canal, Providence, R. I.
Certain-teed Products Corpn., Boatman's Bank bldg., St. Louis, Mo.
Chapman & Soden ("Beaver," "I. X. L."), 150 Oliver, Boston, Mass.
Chatfield Mfg. Co. ("Paracote" Asphalt Felt), Carthage, Cincinnati, O.
Chatfield & Woods Co., 3rd & Plum, Cincinnati, Ohio
Cleveland-Akron Bag Co. ("Cabco"), 1890 E 40th, Cleveland, O.
COLONIAL SUPPLY CO. ("Colonial," "Continental"), 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Doggett Stanley (Soapstone Finish), 11 Cliff, New York

RU-BER-OID
Weatherproofing Products

Smooth-surfaced Roll-roofing
Mineralized Roll-roofing
Unit-shingles (Giants)
Strip-shingles
Roof-coatings
Insulating and Sheathing Papers
Waterproof-felt
Asphalt-saturated Felt
Cement-waterproofing
Plastics *Paints*

The RUBEROID Co.
95 Madison Avenue, New York
Chicago Boston
IN CANADA:
The RUBEROID Co., Ltd.
Montreal



There is but one Ruberoid—Look for the Man on the Label.

Ruberoid---The Time-Tested Roofing

RUBEROID is the original prepared roofing. Hundreds of Ruberoid Roofs, which were laid when it was first marketed more than thirty years ago, are still giving as good service as the day they were laid.

Ruberoid Roll-roofing

Ruberoid Roll-roofing is made in two styles: Smooth-surfaced (gray) and Mineralized (surfaced with sage-green, tile-red or steel-blue slate). Sherardized nails and lap cement are furnished with each roll.

Ruberoid Smooth-surfaced Roll-roofing is furnished in three weights: medium, heavy and extra, 45, 55 and 65 lbs. per 108 sq. ft. Ruberoid Mineralized Roll-roofing (Extra heavy) weighs 105 to 110 lbs. and (Heavy) 85 to 90 lbs. per 108 sq. ft.

Ruberoid Giant-shingles

Ruberoid Giant-shingles combine unusual durability with unique features of economy. They measure 10 ins. by 14 ins., have a ½ in. cutout and are intended to be laid 5 ins. to the weather. They are self-spacing and self-aligning. These features reduce the cost of application 50%. They are surfaced with natural crushed slate in sage-green, tile-red and steel-blue.

Ruberoid Strip-shingles

Ruberoid Octab Strip-shingles are especially adapted for laying over old wood shingles. They are made in sage-green, tile-red and steel-blue. By varying the methods of laying, any one of many attractive designs may be obtained. Size: 11 by 33⅓ ins. Weight: 185 to 195 lbs. per square.

Ruberoid Square-tab Strip-shingles are made to lay 4 ins. to the weather. They are manufactured in two sizes, according to the underlap desired: 10 by 32⅛ ins. (weighing 185 to 195 lbs. per square) and 12½ by 32⅛ ins. (weighing 235 to 245 lbs. per square). Their surface is the same as that of the Octabs.

Ruberoid Built-up Roofing

A Ruberoid Built-up Roof consists of one layer of Ruberoid Asphalt Felt and two layers of Ruberoid Cap-sheet bonded together with Ruberoid Solid-cement. Every part is made of time-tested materials. Ruberoid Cap-sheet in itself is a mechanically perfect weather resistant. Ruberoid Solid-cement is 98.5% pure. The heavy weather coating of Ruberoid Cap-sheet makes it unnecessary to apply a special surfacing.

RU-BER-OID
SHINGLES AND ROOFING

Driscoll Bros. & Co. ("Cornell"), Ithaca, N. Y.

EDWARDS MFG. CO., 5th & Culvert, Cincinnati, O.
See adv index at end of book

Elaborated Ready Roofing Co., 4417 Wentworth av, Chicago, Ill.

Fairbanks, Morse & Co. ("Eclipse"), 900 S Wabash av, Chicago, Ill.

Flintkote Co. ("Mikado," "Rex Slate Surfaced," "Rex Inlaid" Asphalt Slate Surface Shingle Pattern Roll), 88 Pearl, Boston, Mass.

Ford Roofing Products Co. ("Gal-vanite"), 2339 S La Salle, Chicago, Ill.

FRICK & LINDSAY CO. (Dealers "Superior" & "Standard" Grades), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book

Heppes Roofing Division The Richardson Co. ("Flex-a-tile Roofing" Flint Surfaced & Slate Surface), Lockland, O.

Hind Thos. J. Co., 49 Milk, Boston, Mass.

Keystone Roofing Mfg. Co. ("Keystone" Slate Surfaced Roll Roofing), York, Pa.

Lehon Co., ("Mule Hide," "Black Bear," "Seal Skin," "Nubian," "Lehon's"), 4451 S Oakley av, Chicago, Ill.

Lewis F. J. Mfg. Co., 2513 S Robey, Chicago, Ill.

McHenry-Milhouse Mfg. Co. ("Climax," "Durable," "Standard"), South Bend, Ind.

Mahon R. C. Co. (Gravel Surface), St. Aubin & E Grd blvd., Detroit, Mich.

Malott & Peterson, 2412 Harrison, San Francisco, Cal.

National Asbestos Mfg. Co., 193 Henderson, Jersey City, N. J.

National Roofing Co. ("Security," "Royal," "Champion," "Watroco," "Jefferson," "Universal" & "Triumph"), Tonawanda, N. Y.

Nelson B. F. Mfg. Co., Minneapolis, Minn.

O'Meara Maurice Co. ("Perfect," "Raintight"), 448 Pearl, New York

Orleans Steel Products Co. Inc. (Jobbers), 1021H Bienville, New Orleans, La.

Paraffin Co.'s, Inc. ("Mathoid" & Rubberoid), 475 Brannan, San Francisco, Cal.

Pioneer Paper Co. ("Ready Rock" & "Flaxine"), 247 S Los Angeles, Los Angeles, Cal.

Piper J. A. Roofing Co., Greenville, S. C.

Porter Iron Roofing & Corrugating Co. ("Porteroid"), 418 Culvert, Cincinnati, O.

Rubber Roofing Mfg. Co. ("Appolo"), 6 Cortland, New York

RUBEROID CO., 95 Madison av, New York
See adv index at end of book

Safepack Mills ("Safekote", "Resists", "Repello," "Watershed," 727 Atlantic av, Boston, Mass.

Scott Roofing & Mfg. Co. ("Asteroid Scottco"), 408 Culvert, Cincinnati, O

Sonneborn L. Sons ("Sonnecote," "Stormtight," Asphalt-Fibre), 114 5th av, New York

Stauffer P., Moberly, Mo.

Stowell Mfg. Co. (Slate & Asphalt Surfaces), 240 Culver av, Jersey City N. J.

Texas Company (The), ("Texaco" & "Tiger" Brands in Ready-To-Lay Rolls), Dept. D, 17 Battery pl, New York
See adv index at end of book

Trainer C. W. Mfg. Co., 55 High, Boston, Mass.

Trinidad Asphalt Mfg. Co., Title Guaranty Trust bldg, St. Louis, Mo.

UNION PAPER & TWINE CO., 128 St. Clair av, N W, Cleveland, Ohio & 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book

Usona Mfg. Co. ("Howard's" Double Lap, "Paratex," "Oroofs," "Usona"), Aurora, Ill.

Vulcanite Roofing Co. ("Vulcanite"), Beaver rd, Buffalo, N. Y.

Walters Mfg. Co., Fulton bldg, Pittsburgh, Pa.

Warren Chemical & Mfg. Co. ("Anchor," "Walrus," "Mineralite" and "Permanoid"), 17 Battery pl, New York

Watson H. F. Co. ("Indruroid"), Erie, Pa.

Weaver Roof Co. ("Weaver"), 339 E 2nd, Los Angeles, Cal.

Western Builders Supply Co., 135 2nd, San Francisco, Cal.

Western Elaterite Roofing Co. ("Elaterite"), Equitable bldg, Denver, Colo.

Whitaker Paper Co. ("Raintyte"), Eggleston av. 6th & Lock, Cincinnati, O.

White A. H. Co., Ltd. ("Shellene," "Phaltoid," "Steelcote"), Howard Vinus Miro & Tonti, New Orleans, La.

12717—Roofing (Asphalt Slag)

Hetzel J. G. (Est. of), 67 Main, Newark, N. J.

Neal-Blun Co., 12-20 W Bay, Savannah, Ga.

Stowell Mfg. Co., 240 Culver av, Jersey City, N. J.

12718— Roofing ("Burmite")

Burmite Roofing Co. (Prepared Roofing & Asphalt Shingles), Argo, Ill.

12719— Roofing (Canvas)

Barrell Wm. L. Co. ("Con-Ser-Tex"), 50 Leonard, New York

Boyle John & Co. ("Bayonne"), 112 Duane, New York

Daniels C. R. Inc., 114-115 South, New York
See adv index at end of book

Flintkote Co. ("Paradux"), 88 Pearl, Boston. Mass.

Humphrys' R. A. Sons, 1026 Callowhill, Phila, Pa. *See adv index at end of book*

Stanley Wm., 62 White, New York

12720— Roofing (Car)

Asbestos Protected Metal Co. ("Robertson" Standard For Inside of Box Cars), Beaver Falls, Pa.

Barrell Wm. L. Co. ("Con-Ser-Tex"), 50 Leonard, New York

Bird & Son ("Neponset," "Paroid"), East Walpole, Mass.

Carey Philip Mfg. Co. (For Freight Cars, etc.), 330 Wayne av, Lockland, Cincinnati, O.

Chicago-Cleveland Car Roofing Co. (Freight Car, Metal), 80 E Jackson blvd. Chicago, Ill.

Ford Roofing Products Co., 2339 S La Salle, Chicago, Ill.

Humphrys' R. A. Sons, 1026 Callowhill, Phila, Pa. *See adv index at end of book*

Hutchins Car Roofing Co. ("Hutchins All Steel," "Drylading"), Ford bldg, Detroit, Mich.

Johns-Manville Inc. ("Car-Best-Us"), Madison av & 41st, New York

Lehon Co. ("Roofrite" Plaster), 4451 S Oakley av, Chicago, Ill.
See adv index at end of book

National Roofing Co., Tonawanda, N. Y.

Porter Iron Roofing & Corrugating Co., 532 Culvert, Cincinnati, O.

Reeves Mfg. Co., Dover, O.

RUBEROID CO. ("Ruberoid"), 95 Madison, New York *See adv index at end of book*

RU-BER-OID
Car Roofing

Ruberoid Waterproof Duck—Heavy duck coated on one side with bitumen for passenger car roofs.

R. R. Plastic Car Roofing—A 60-inch wide asphalt saturated and coated felt for freight and refrigerator car roofs. Made in two grades: Ruberoid and Maintenance Brands.

The RUBEROID Co.
95 Madison Avenue New York

(Continued on following page)

"THE BEST UNDER THE SUN"
LEATHEROID ROOFING
All kinds of ROOFING, BUILDING and INSULATING PAPERS
THE UNION PAPER & TWINE CO.
St. Clair Avenue, N. W. - - CLEVELAND, O.

Roofing (Car)—Continued

St. Louis Car Co., 8000 N B'way, St. Louis Mo.
Scott Roofing & Mfg. Co. ("Scott's"), 408 Culvert, Cincinnati, O.
Tuco Products Corp. ("Tuco"), 30 Church, New York
Western Elaterite Roofing Co. ("Elaterite"), Equitable bldg, Denver, Colo.

12721—Roofing (Composition)

American Insulation Co., Nicetown, Phila., Pa. *See adv index at end of book*
Arco Co., Euclid av & E 65th, Cleveland, O.
Asphalt Roof Coating Co., Ltd., 10 E 43rd, New York
Cleveland-Akron Bag Co., 1890 E 40th, Cleveland, O.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Ehret Roofing & Mfg. Co. ("Ehro" & Slag), Park av & Cumberland, Phila., Pa.
Flintkote Mfg. Co. ("Mikado," "Rex Flutkote," "Zarex," "Rex Stato Surfaced," "Rex Inlaid," "Guardian," "Steadfast"), 88 Pearl, Boston, Mass.
Frick & Lindsay Co. (Dlrs.), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Gordon Metal Co. (Jobbers), Dept H, 14th & Dock, Richmond, Va.
Miller & Coulson (Dealer), 5748 Ellsworth av, Pittsburgh, Pa.
Monsted A. Co., Milwaukee, Wis.
National Roofing Co., Tonawanda, N. Y.
Neal-Blun Co., 12-20 W Bay, Savannah, Ga.
Pidgeon-Thomas Iron Co., Memphis, Tenn.
RUBEROID CO., THE (Ruberoid Smooth-surfaced roll-roofing, gray; Ruberoid Mneralized Roll-Roofing, green, red or steel-blue), 95 Madison av, New York
See adv index at end of book
Stauffer, P., Moberly, Mo.
Weaver Roof Co. ("Weaver"), 339 E 2d, Los Angeles, Cal.

12722— Roofing (Compound)

American Insulation Co., Nicetown, Phila., Pa. *See adv index at end of book*
Arco Co., Euclid av & E 65th, Cleveland, Ohio
Atlas Co., Lincoln, N. J.
Mitchell-Rand Mfg. Co., 26 Vesey, New York
National Roofing Co., Tonawanda, N. Y.
Paraffin Co.'s, Inc., 475 Brannan, San Francisco, Cal.
Powell M. W. Co., 140 S Dearborn, Chicago, Ill.
RUBEROID CO., THE (Ruberoid Liquid Fibre-cement for renewing surface of badly worn roofs; Ruberoid Plastic for repairing leaky seams, flashings, etc.; Ruberoid Solid-cement for built-up roofing), 95 Madison av, New York
See adv index at end of book

12723— Roofing (Cork)

Stowell Mfg. Co., 240 Culver av, Jersey City, N. J.

Roofing (Duck)

See Cotton Duck & Canvas

12724— Roofing (Elaterite)

Raven Mining Co. of Utah ("Kapak"), Marquette bldg, Chicago, Ill.
Western Elaterite Roofing Co., Equitable bldg, Denver, Colo.

12725— Roofing (Feldspar)

Keystone Roofing Mfg. Co., York, Pa.
Stowell Mfg. Co., 240 Culver av, Jersey City, N. J.

12726— Roofing (Felt)

American Insulation Co., Nicetown, Phila., Pa. *See adv index at end of book*
Asphalt Roof Coating Ltd. ("Hudson"), 10 E 43rd, New York
Cleveland-Akron Bag Co., 1890 E 40th, Cleveland, O.
Ehret Roofing & Mfg. Co. ("Ehro"), Park av & Cumberland, Phila., Pa.
Feld Geo. A. Co., 162 E 129th, New York
National Asbestos Mfg. Co., 193 Henderson, Jersey City, N. J.
Paraffin Co.'s, Inc., 475 Brannan, San Francisco, Cal.
Weaver Roof Co. ("Weaver"), 339 E 2nd, Los Angeles, Cal.

12727—*Roofing ("Leatheroid")

UNION PAPER & TWINE CO., 128 St. Clair av, N. W., Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book

12728— Roofing (Mastic)

Powell M. W. Co., 140 S Dearborn, Chicago, Ill.
Texas Company (The), Dept. D, 17 Battery pl, New York
See adv index at end of book
Union Products Co. ("Parlock"), 1243 W 70th, Cleveland, O.

12728a—Roofing Material (Crushed Brick)

American Insulation Co., Nicetown, Phila., Pa. *See adv index at end of book*
California Brick Co., Niles, Cal.
Cannon & Co., North Sacramento, Sacramento, Cal.
Hidecker Brick Co., 4053 Hollis, Emeryville, Cal.
Stauffer, P., Moberly, Mo.

Roofing Materials

See Specific Article Required

12728b—Roofing Materials (Asbestos)

AMERICAN INSULATING CO., Nicetown, Philadelphia, Pa.
See adv index at end of book

Roofing Materials (Asphalt)

See Asphalt Dealers & Importers
Also Asphalt Miners & Refiners
Also Roofing Asphalt

12729—Roofing (Monel Metal)

City Cornice Works, 3119 San Pablo av, Oakland, Calif.
Davis Bros., 311 E 148th, New York
Edwards Mfg. Co., Cincinnati, O.
Farquhar & Sons, Boston, Mass.
Ferguson Co., John W., Paterson, N. J.
Hauserman E. F., Cleveland, O.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book

INCo
Monel metal
ROOFING and FLASHING
Absolutely Rust-Proof; Strong As Sheet Steel.
Needs No Paint or Protective Coating.
Acid Resistant and Non-Corroding.
For Absolute Architectural Permanence.
SEE OUR INSERT AT MONEL METAL
THE INTERNATIONAL NICKEL COMPANY
67 Wall Street New York, N.Y.

Irwin Sheet Metal Co., Pittsburgh, Pa.
Larson J. G., Clifton, N. J.
Meyer & Son, Geo. J., 3223 Kennett sq, Pittsburgh, Pa.
Minnesota Roofing & Cornice Works, St. Paul, Minn.
National Ventilating Co., 75 10th av, Brooklyn, N. Y.
Obelisk Waterproofing Co., 1 Madison av, New York
Rasner & Dinger Co., W North av N S, Pittsburgh, Pa.
Riddell & Son, Ltd., John E., Hamilton, Canada
Saron J., 1655 42nd, Brooklyn, N. Y.
Schoedinger F. O., Columbus, O.
Sholes, Inc., 186 Lafayette, New York
Si Fo Ventilator Co., Cleveland, O.
Smith & Burrows Co., Parkersburg, W. Va.
Van Noorden & Co., E., Boston, Mass.

12730— Roofing (Paroid)

Bird & Son ("Neponset"), East Walpole, Mass.

Roofing Plate, Metals, Etc.

See Roofing & Siding, Iron & Steel, also Tin Plate, Metals, etc.; also Tin Plate Manufacturers

12731— Roofing (Rubber)

See also Roofing (Asphalt Ready)
RUBEROID CO., THE (Ruberoid Roll-roofing, smooth-surface and mineralized), 95 Madison av, New York
See adv index at end of book

Roofing Slate (Asbestos)

See Shingles, Asbestos

12732—Roofing Slate (Graduated)

Eureka Slate Quarries, Fair Haven, Vt.
Fair Haven Marble & Marbleized Slate Co., Fair Haven, Vt.
General Slate Co., 148 State, Boston, Mass.
Hampshire Slate Co., Fair Haven, Vt.
Handy N. B. Co. (Jobbers), Lynchburg Va.
Knickerbocker Slate Corp., 153 E 38th, New York
Old English Slate Quarries, 1128 O. S. bldg, Boston, Mass.

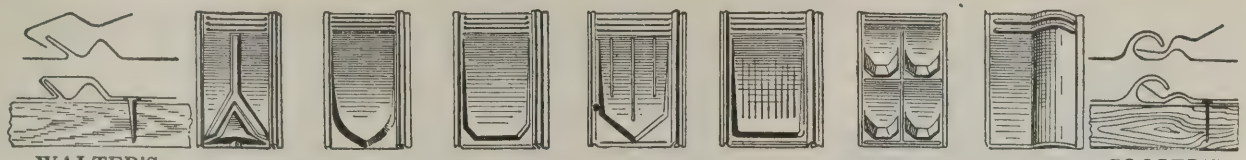
12733— Roofing Slate Mfrs.

NOTE—(Slate quarried in Maine is all black, ditto Virginia, while that quarried in Pennsylvania & Maryland is also black, but borders on dark blue, and is advertised by some firms as dark blue. The slate quarries of Maryland are on the Penna. State line and the P. O. address is Delta, Pa. Slate quarried in New York is red of various tints, while that quarried in Vermont is of various colors, such as green, purple, variegated, etc.)
Albion Vein Slate Co., Bangor, Pa.
American Sea Green Slate Co., Granville, N. Y.
Auld & Conger Co. ("Peach Bottom," "Bangor Ribbon"), 942 Prospect Cleveland, O. Quarries at Poultney, Vt.
Baltimore Peach Bottom Slate Corp., Delta, Pa.
Bangor Structural Slate Co., Bangor, Pa.
Barbon Slate Co., Slatington, Pa.
Beckman-Dawson Roofing Co., 111 W Jackson, Chicago, Ill.
Belfast Slate Co., Nazareth, Pa.
Blue Mountain Slate Co., Slatington, Pa
Blue Valley Slate Mfg. Co. (Ltd.), Slatington, Pa,
Blue Vein Slate Co., Slatington, Pa.
Cambridge Slate Co., Slatington, Pa.
Chapman Slate Co., Bethlehem, Pa.
Columbia Bangor Slate Co., Bangor, Pa.
Columbus Slate Co. (Wholesale), New Hayden bldg, Columbus, Ohio
Ditchett Thos. Estate, Bangor, Pa.

Thos. Ditchett Estate
Roofing Slate
from the
Columbia Bangor Quarry

Emack Jno. D. Co. (Jobber), 112 S 16th, Phila., Pa.
Eureka Slate Mfg. Co. (Ltd.), Slatington, Pa.
Eureka Slate Quarries, Fair Haven, Vt.
Excelsior Slate Co., Pen Argyl, Pa.
Fair Haven Marble & Marbleized Slate Co., Fair Haven, Vt.
Fairview Slate Co., Slatington, Pa.
Farwell Cornice Co., 3935 Southport av, Chicago, Ill.
Flesch & Schmitt Inc., Brown, Rochester, N. Y.
General Slate Co. (Unfading Blue-Gray). (Quarries at Fair Haven, Vt. & Monson, Me.), 148 State, Boston, Mass.
Green Mountain Slate Co., Poultney, Vt.
Griffith Bros. Slate Co., Slatington, Pa.
Griffith Wm., Poultney, Vt.
Hahn Granville, Walnutport, Pa
Hampshire Slate Co., Fair Haven, Vt.
Handy N. B. Co., Lynchburg, Va.
Herrmann & Grace Co., 671 Bergen, B'klyn, N. Y.

WALTER'S & COOPER'S



WALTER'S COOPER'S

SHINGLES THAT LAST

Leaders for 41 Years

Made from I.C. full weight, roofing tin, painted or galvanized after stamping; sheet zinc and copper. Wear, storm and fire-proof. The most complete line of metal shingles and tiles manufactured.

Write for catalog, samples and prices

NATIONAL SHEET METAL ROOFING CO. JERSEY CITY, N. J.

Highland Slate Co., Slatedale, Pa.
Higrade Slate Co., Granville, N. Y.
International Slate Co., Slatington, Pa.
Jackson Bangor Slate Co., Pen Argyl, Pa.
Jackson Rich Slate Co., Pen Argyle, Pa.
Jones Faulk & Sons, Slate Hill, Pa.
Jones Robt. L. Slate Mfg. Co., Delta, Pa.
Kasch Roofing Co., Akron, Ohio.
KEENAN STRUCTURAL SLATE CO., Bangor, Pa.
Keenan W. H., Bangor, Pa.
Kimes J. B. & Co. (Jobbers), 1834 Vineyard Phila., Pa.
Knickerbocker Slate Corp., 153 E 38th, New York
Lehigh Structural Slate Mfg. Co. (Black), Bangor, Pa.
Lynnport Slate Works, Lynnport, Pa.
Mahar Bros. Slate Co., Fair Haven, Vt.
Miles Peach Bottom Slate Co., Delta, Pa.
Monarch Blackboard & Structural Slate Co., Slatington, Pa.
Montgomery Slate Co., Shenandoah, Pa.
New York Consolidated Slate Co., Poultney, Vt.
New York Pyrites Co. Inc., 25 Broad, New York
Norton Bros., Granville, N. Y.
O'Brien Bros., Granville, N. Y.
Old English Slate Quarries, 1128 O. S. bldg, Boston, Mass.
Ontalaunee Slate Mfg. Co., Lynnport, Pa.
Owens' Owen W. Sons, Granville, N. Y.
Parsons Bros. Slate Co., Pen Argyl, Pa.
Peach Bottom Slate Co., Delta, Pa.
Penna. Hard Vein Slate Co., Easton, Pa.
Penna. Slate Co., Slatington, Pa.
Pa. Structural Slate Co., 309 Drake bldg, Easton, Pa.
Penryn Slate Co., Hydeville, Vt.
Phoenix Slate Co., Penn bldg., Wind Gap, Pa.
Piper J. A. Roofing Co., Greenville, S. C.
Pitts A. L. Slate Co., Arvonia, Va.
PORTLAND-MONSON SLATE CO., Portland, Me.
Proctor Slate Quarries (Peach Bottom), Cardiff, Md.
Provident Slate Co., Slatington, Pa.
Ribble R. W. & Co., 1st & B'way, Bangor, Pa.
Rice & Co., Granville, N. Y.
Rising & Nelson Slate Co., West Pawlet, Vt.
Roberts & Carter, Poultney, Vt.
Roberts G. T., West Pawlet, Vt.
Royal Blue Slate Co., Slatedale, Pa.
Sheldon F. C. Slate Co., Granville, N. Y.
Sieger & Son Mfg. Co. (Jobbers), Slatington, Pa.
Slatington-Bangor Slate Syndicate, Slatington, Pa.
Slatington Slate Co., Slatington, Pa.
Stephens Jackson Co., Pen Argyl, Pa.
Stoddard D. & Son, Pen Argyl, Pa. (See Bangor, Pa.)
Stoddard D. & Sons, Bangor, Pa.
Thomas Slate Co. (Ltd.), Slatedale, Pa.
Tinsman M. L. & Co., Penn Argyl, Pa.
United Peach Bottom Slate Co., Delta, Pa.
Valley Cornice & Slate Co., Ltd. (Slate & Tile), Saginaw, Mich.
VENDOR SLATE CO. (All Colors), Drake bldg., Easton, Pa.
Wagner J. F. Sons Co., 1145 S 7th, Louisville, Ky.
Washington Slate Co., Slatington, Pa.
Williams Slate Co., Mutual bldg, Richmond, Va. (Quarries: Arvonia, Va.)
Williams R. J. Slate Co., Granville, N. Y.
Woodley Slate Co., Bangor, Pa.

12734—Roofing Slate (Purple)

American Sea Green Slate Co., Granville, N. Y.
Columbus Slate Co. (Jobbers), New Hayden bldg, Columbus, O.
Griffith Wm., Poultney, Vt.
Knickerbocker Slate Corp., 153 E 38th, New York
Mahar Bros. Slate Co., Fair Haven, Vt.
New York Consolidated Slate Co., Poultney, Vt.
Old English Slate Quarries, 1128 O. S. bldg, Boston, Mass.
Rising & Nelson Slate Co., West Pawlet, Vt.
Sheldon F. C. Slate Co., Granville, N. Y.
Williams R. J. Slate Co., Granville, N. Y.

12735—Roofing Slate (Red)

Knickerbocker Slate Corp., 153 E 38th, New York
Old English Slate Quarries, 1128 O. S. bldg, Boston, Mass.
Sheldon F. C. Slate Co., Granville, N. Y.
Superior Red Slate Co., Granville, N. Y.

12736-7—Roofing Slate (Sea Green)

American Sea Green Slate Co., Granville, N. Y.
Auld & Conger Co., 942 Prospect, Cleveland, O.
Edward Bros., Granville, N. Y.
Griffith, Wm., Poultney, Vt.
Ireland Machine & Foundry Co. ("Ireland"), Norwich, N. Y.
Knickerbocker Slate Corp., 153 E 38th, New York
Norton Bros., Granville, N. Y.
O'Brien Bros., Granville, N. Y.
Old English Slate Quarries, 1128 O. S. bldg, Boston, Mass.
Owens' Owen W. Sons, Granville, N. Y.
Rice & Co., Granville, N. Y.
Rising & Nelson Slate Co., West Pawlet, Vt.
Sheldon F. C. Slate Co., Granville, N. Y.
Williams R. J. Slate Co., Granville, N. Y.

12738—Roofing Slate (Unfading Green)

Eureka Slate Quarries, Fair Haven, Vt.
Fair Haven Marble & Marbleized Slate Co. Fair Haven, Vt.
General Slate Co., 148 State, Boston, Mass.
Hampshire Slate Co., Fair Haven, Vt.
Knickerbocker Slate Corp., 153 E 38th, New York
New York Consolidated Slate Co., Poultney, Vt.
Old English Slate Quarries, 1128 O. S. bldg, Boston, Mass.
Penryn Slate Co., Hydeville, Vt.
Sheldon F. C. Slate Co., Granville, N. Y.

12738a—Roofing Slate (Variegated, Purple & Green)

Am. Coating Mills, Elkhart, Ind.
Lehigh Structural Slate Mfg. Co., Bangor, Pa.
OLD ENGLISH SLATE QUARRIES, 1128 O. S. bldg, Boston, Mass.
Ribble R. W. & Co., 1st & B'way, Bangor, Pa.
Vendor Slate Co., Drake bldg, Easton, Pa.
Wagner J. F. Sons Co., 1145 S 7th, Louisville, Ky.

12739—Roofing Tile (Actinolite)

Le Goullon P., 27th & Liberty, Pittsburgh, Pa.
Powell M. W. Co., 140 S Dearborn, Chicago, Ill.
Safety Fire Extinguisher Co., 295 7th av, New York

12740—Roofing Tile (Cement)

American Cement Tile Mfg. Co. ("American" for Factories, Depots, etc.), Oliver bldg, Pittsburgh, Pa.
Anchor Building Co., Elizabeth, N. J,
See adv index at end of book
Armstrong Co., 226 Post av, Detroit, Mich.
Bowe Construction Co., Kokomo, Ind.
Bray Bros., Terre Haute, Ind.
Crume Brick Co., Dayton, O.
Dearborn Concretile Co., Aurora, Ind.
Federal Cement & Tile Co. ("Federal," "Indestructible" for all Types), 110 S Dearborn, Chicago, Ill.
Ferguson Lbr. Co., Rockville, Ind.
Flesch & Schmitt Inc., Brown, Rochester, N. Y.
Globe Iron Roofing & Corrugating Co., Dept. H, Newport, Ky.
Knox & Maier Co., Atlanta, Ga.
Lange Bros., Champaigne, Ill.
Los Angeles Concrete Tile Co. ("Lac-Tile"), Monterey Park, Cal.
Newport Rolling Mill Co., Newport, Ky.
Pearson Concretile Co., Morristown, N. J
Penn Building Block Co., Inc. ("Waterseal"), 923 Sansom, Phila., Pa.
Piper J. A. Roofing Co., Greenville, S. C.
Servicised Products Co. ("Servicised"), First Natl. Bank bldg, Chicago, Ill.
Snall A. T. Brick Co., Macon, Ga.
Stauffer P., Moberly, Mo.
Swartz & Koenig, Sullivan, Ill.
Truscon Laboratories, Caniff & G. T. R. R., Detroit, Mich.
U. S. Gypsum Co. ("Pyrobar" Deck), 205 W Monroe, Chicago, Ill.
Universal Roofing Tile Co., 3690 Milwaukee, Chicago, Ill.
Wagner J. F. Sons Co., 1145 S 7th, Louisville, Ky.
Wantega Sand & Gravel Co., Johnson City, Tenn.
Worchester Brick Co., 72 Shrewsbury, Worchester, Mass.

Roofing Tile (Concrete)

See Roofing Tile, Cement

12741—Roofing Tile (Glass)

American Cement Tile Mfg. Co., Oliver bldg., Pittsburgh, Pa.

12742—Roofing Tile (Metallic)

See also Shingles, Metallic

Ames W. R. Co., 450 Irwin, San Francisco, Cal.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
MOESCHL-EDWARDS CORRUGATING CO. (& Copper), Box 564, Cincinnati, Ohio *See adv index at end of book*
Mullins Body Corp., 341 Franklin, Salem, Ohio
NATIONAL SHEET METAL ROOFING CO. ("Walters"), 339 Grand, Jersey City, N. J. *See adv index at end of book*
New Process Roofing & Supply Co., Dallas, Tex.
Ohio Corrugating Co., Warren, O.
Penn Metal Co. ("Loxon"), 65A Franklin, Boston, Mass.
Porter Iron Roofing & Corrugating Co., 522 Culvert, Cincinnati, O.
Reeves Mfg. Co., Dover, Ohio
Schoedinger F. O., 346 Mt. Vernon av, Columbus, O.
Scott Roofing & Mfg. Co., 408 Culvert, Cincinnati, O.
Valley Cornice & Slate Co., Ltd., Saginaw, Mich.
Western Steel Products Co., New Duluth, Minn.
Wheeling Metal & Mfg. Co., Wheeling, W. Va.

12743—Roofing Tile (Metallic, Spanish Shapes)

Ames W. R. Co., 450 Irwin, San Francisco, Cal.
Boyer J. C., 204 Market, Portland, Ore.
(Continued on following page)



For Bungalow or Mansion

An Edwards Metal Spanish Tile Roof

Costs No More Than a Good Tin Roof

Its scores of vital, practical advantages cost no more than common roofing, yet mean tremendous economy—it needs no repairs and outlasts several ordinary roofs because of its practically indestructible metal construction.

It is absolutely wind, weather, storm, fire and lightning proof.

Easy to apply. No soldering, no special tools—any ordinary mechanic can apply it. Interlocking system by which tiles dovetail into each other makes the roof absolutely water tight and provides for expansion and contraction perfectly—summer and winter. It is guaranteed non-breakable.

HOME-BUILDERS—Simply send us today the dimensions of your building and we will tell you by return mail exact cost of all material.

THE EDWARDS MANUFACTURING CO.

545-565 Eggleston Ave., Cincinnati, Ohio

The World's Largest Manufacturers of Metal Roofing, Metal Shingles, Metal Spanish Tile, Metal Ceilings, Metal Garages, Portable Buildings, Steel Trucks, etc.

Roofing Tile (Metallic, Spanish Shapes)—Continued

EDWARDS MFG. CO. ("Edwards"), 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book

Meurer Geo. C. Co., 22 Clay, Brooklyn, N. Y.

Miller & Doing, 60 York, Brooklyn, N. Y.

Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, Ohio
See adv index at end of book

NATIONAL SHEET METAL ROOFING CO., 339 Grand, Jersey City, N. J.
See adv index at end of book

Reeves Mfg. Co., Dover, O.

St. Paul Roofing, Cornice & Ornament Co., St. Paul, Minn.

Seattle Cornice Wks., 1730 1st av, S., Seattle, Wash.

Souther E. E. Iron Co., Klenlin & Hamburger, St. Louis, Mo.

12744-5—Roofing Tile (Promenade)

Des Moines Clay Co., Des Moines, Ia.

Kushequa Keramic Co. (Chocolate Red), Kushequa, Pa.

Ludowici-Celadon Co. ("Ludowici-Celadon"), Monroe bldg, Chicago, Ill.

Valley Cornice & Slate Co., Ltd., Saginaw, Mich.

White Scott A., 401H Renshaw bldg, Pittsburgh, Pa.

Roofing Tile (Reinforced)

See Roofing Tile, Cement

12746—Roofing Tile (Terra Cotta)

Alfred Clay Co., Alfred Station, N. Y.

Cannon & Co., N. Sacramento, Sacramento, Cal.

Clark N. & Sons, 116 Natoma, San Francisco, Cal.

Des Moines Clay Co., Des Moines, Ia.

Farwell Cornice Co., 3935 Southport av, Chicago, Ill.

Gladding, McBean & Co., Crocker bldg., San Francisco, Cal.

Huntington Roofing Tile Co. ("Huntington" Shingle Tile), Huntington, W. Va.

Ketcham O. W., 24 S. 7th, Phila., Pa.

Los Angeles Pressed Brick Co. (Impervious), Los Angeles, Cal.

Ludowici-Celadon Co. ("Ludowici-Celadon"), Monroe bldg, Chicago, Ill.

Maurer Henry & Son, 420 E 23rd, New York *See adv index at end of book*

Mound City Roofing Tile Co., 3301 Morganford rd, St. Louis, Mo.

Murray Roofing Tile Co. (Flat Shingles & Tile), Cloverport, Ky.

Valley Cornice & Slate Co., Ltd., Saginaw, Mich.

White Scott A. (Mfrs. Agent), 401H Renshaw bldg, Pittsburgh, Pa.

12747—Roofing Tile (Terra Cotta, Glazed)

Des Moines Clay Co., Des Moines, Ia.

Ludowici-Celadon Co., Monroe bldg, Chicago, Ill.

12748—Roofing Tile (Terra Cotta, Graduated)

White Scott A., 401H Renshaw bldg, Pittsburgh, Pa.

12749—Roofing Tile (Terra Cotta, Spanish Shapes)

Cal. Brick Co., 604 Mission, San Francisco, Cal.

Los Angeles Pressed Brick Co., Los Angeles, Cal.

Ludowici-Celadon Co. ("Ludowici-Celadon" French & Shingle Tile), Monroe bldg., Chicago, Ill.

White Scott A., Oliver bldg, Pittsburgh, Pa.

12750—Roofing (Tin) in Rolls & Sheets

Canton Art Metal Co., Canton, Ohio

Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*

EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book

Gordon Metal Co. (Jobbers), Dept H, 14th & Dock, Richmond, Va.

Kempler Philip C., 86 S Water, Newburgh, N. Y.

LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book

MERCHANT & EVANS CO. ("Camaret," "Merchants Old Method," "Liberty Old Style"), Washington av & 21st, Phila., Pa.

Messenger & Parks Mfg. Co., Aurora, Ill.

Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, O.
See adv index at end of book

Taylor N. & G., Chestnut & 3rd, Phila., Pa.

Wheeling Corrugating Co., Wheeling, W. Va.

York Corrugating Co., York, Pa.

Roofing Tin Mfrs.

See Tin Plate Manufacturers

12751— Roofing (V-Crimp)

Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*

Delphos Mfg. Co. ("Veribest"), 1st & Pierce, Delphos, O.

EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book

Florida Metal Products Co. (Corrugated), Jacksonville, Fla.

Globe Iron Roofing & Corrugating Co., Dept. H, Newport, Ky.

Holzer R. G. (Estate of), 317 Burgundy, New Orleans, La.

LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book

McCormack E. A., 29 B'way, New York

Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, O.
See adv index at end of book

New Orleans Roofing & Metal Co. ("Nola"), Cortez & Orleans, New Orleans, La.

Penn Metal Co. ("Penco"), 65A Franklin, Boston, Mass.

Reeves Mfg. Co., Dover, Ohio

Trumbull Steel Co., Warren, Ohio

12752— Roofing (Vulcanite)

McClellan Paper Co., 700 S 4th, Minneapolis, Minn.

Mahoning Valley Steel Co., Niles, O.

12752a— Roofing (Zinc)

NEW JERSEY ZINC SALES CO., THE, 158 Front, New York
See adv index at end of book

STANDING SEAM

Horse Head Zinc Roofing

Sufficient to cover one square packed in a handy cask complete with Clips, Nails and Instructions.

READY TO APPLY

The New Jersey Zinc Co.

Products distributed by

THE NEW JERSEY ZINC SALES CO.

12753—Roofing & Siding (Iron & Steel)

(Star (*) Indicates Rolling Mills)

See also Iron & Steel, Corrugated

Am. Rolling Mill Co. (Black & Galvanized Roofing), Middletown, Ohio

***American Sheet & Tin Plate Co., Frick bldg, Pittsburgh, Pa.**

Asbestos Protected Metal Co. ("A. P. M." Asbestos Protected), Beaver Falls, Pa.

Ashtabula Steel Co., Ashtabula, Ohio

Berger Mfg. Co., 1038 Belden av, N E, Canton, Ohio

Bethlehem Steel Co., Bethlehem, Pa.

***Brier Hill Steel Co., Youngstown, O.**

Burton W. J. Co., 5650 Federal, Detroit, Mich.

Canton Art Metal Co., Canton, O.

Chattanooga Roofing & Foundry Co. (Patent-Leak Proof), Chattanooga, Tenn.

Cincinnati Sheet Metal & Roofing Co. ("P. A. T., "Magnet" Brand), 226 E Front, Cincinnati, O.

Cincinnati Stamping Co., 24 W McMicken av, Cincinnati, O.

Colonial Supply Co., 217 Water, Pittsburgh, *See adv index at end of book*

Columbia Steel Tank Co. (Corrugated), New England bldg, Kansas City, Mo.

Decatur Cornice & Roofing Co., New Decatur, Ala.

Delphos Mfg. Co., 1st & Pierce, Dolphos, O.

Dickelman Mfg. Co., Forest, O.

Dowman-Dozier Mfg. Co., Atlanta, Ga.

EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book

Eller Mfg. Co., Canton, O.

Falcon Steel Co., Niles, O.

***Follansbee Bros. Co., 3rd & Liberty, Pittsburgh, Pa.**

Gedge Bros. Iron Roofing Co., Anderson, Ind.

Globe Iron Roofing & Corrugaing Co., Newport, Ky.

Gordon Metal Co. (Jobbers), Dept H, 14th & Dock, Richmond, Va.

Hammond Sheet Metal Mfg. Co., 119 Cass av, St. Louis, Mo.

Harry O. K. Steel Works, Dallas, Texas

Holzer R. G. (Est. of), (Corrugated), 317 Burgundy, New Orleans, La.

Hopson W. C. Co., Grand Rapids, Mich.
HYNDMAN ROOFING CO. (Corrugated Iron, Asbestos Lined), 318 E 2d, Cincinnati, O.
INLAND STEEL CO. (Open Hearth Steel Only), 38 S Dearborn, Chicago, Ill.
International Steel & Iron Co., 1243 Edgar, Evansville, Ind.
Klauer Mfg. Co., Dubuque, Ia.
La Crosse Steel Roofing & Corrugating Co., La Crosse, Wis.
LARKIN J. K. CO. (Corrugated Roofing), 253 Broadway, New York
See adv index at end of book
Lyon, Conklin & Co. Inc. (Steel Lyonore Metal), Race & Comas, Baltimore, Md.
McCormack E. A., 29 B'way, New York
Martin Metal Mfg. Co., Wichita, Kans.
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
Messenger & Parks Mfg. Co., Aurora, Ill.
Milwaukee Corrugating Co., Milwaukee, Wis.
Mobile Steel Co. (Galvanized), Mobile, Ala.
Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, O.
See adv index at end of book
New England Steel Roofing Co., 274 Main Worcester, Mass.
New Orleans Roofing & Metal Co. ("Nola"), Cortez & Orleans, New Orleans, La.
•Newport Rolling Mill Co. (Genuine Open Hearth, Rust Resisting Iron, Black & Galvanized), Newport, Ky.
N. Y. Iron Rfg. & Corr. Co., 1st, Jersey City, N. J.
Niles Iron & Steel Roofing Co., Niles, O.
Norman W. F. Sheet Metal Mfg. Co., Nevada, Mo.
Northfield Iron Co., Northfield, Minn.
Ohio Corrugating Co., Warren, O.
Ohio Galv. & Mfg. Co. (Steel Only), Niles, O
•Parkersburg Iron & Steel Co., Parkersburg, W. Va.
Penn Metal Ceiling & Roofing Co. (Ltd.), 23d & Hamilton, Phila., Pa.
Penn Metal Co. ("Penco"), 65A Franklin, Boston, Mass.
Pittston Iron Roofing Co., Pittston, Pa.
Porter Iron Roofing & Corrugating Co., 522 Culvert, Cincinnati, O.
Reeves Mfg. Co., Dover, O.
Republic Iron & Steel Co. (Niles Wks.), Niles, Ohio.
Republic Structural Iron Works Co. (Corrugated), 1350 E 53d, Cleveland, O.
St. Paul Roofing, Cornice & Ornament Co., St. Paul, Minn.
Schoedinger F. O., 346 Mt. Vernon av, Columbus, O.
Scott Roofing & Mfg. Co., Cincinnati, O.
•Seneca Iron & Steel Co. (Steel Only), Buffalo, N. Y.
Souther E. E. Iron Co., Kienlin & Hamburger, St. Louis, Mo.
Steel Roofing & Stamping Wks., Des Moines, Ia.
Sykes Co., 930 W 19th pl, Chicago, Ill.
Sykes Metal Lath & Roofing Co., Niles, O.
Tiffin Art Metal Co., 20 Broad, Tiffin, O.
•Trumbull Steel Co., Warren, O.
•United Alloy Steel Corp., Canton, Ohio
Wagner J. F. Sons Co., 1145 S 7th, Louisville, Ky.
Watson J. H. Co. (Steel), Bradley, Ill.
Western Steel Products Co., New Duluth, Minn.
Wheeling Metal & Mfg. Co., Wheeling, W. Va.
•Wheeling Steel Corp., Wheeling, W. Va.
Worthington Geo. Co., 802-832 St. Clair N W, Cleveland, O.
Youngstown Sheet & Tube Co., Youngstown, Ohio

12753a— Roofs (Floating)

Chicago Bridge & Iron Works ("Wiggins"), 2105 Old Colony bldg, Chicago
See adv index at end of book

12754— Rope (Canal & Tow Lines)

See also Rope, Manila & Sisal

Ajax Rope Co. Inc., 149 B'way, New York
Columbian Rope Co. (Manila), 3050 Genesee, Auburn, N. Y.
Fischer & Hayes Rope & Steel Co., 816 W Erie, Chicago, Ill.
See adv index at end of book
Tubbs Cordage Co., 200 Bush, San Francisco, Cal.

Rope (Cast Steel Switching)

See Wire Rope & Cables

12755— Rope (Cotton)

See also Cordage & Twine Manufacturers

Anniston Cordage Co. ("Anniston," "Alabama," "Calhoun," "Oriole W. P.," "Eclipse," "Chicago," "Gilt Edge," "Acme," "Advance," "Albemarle," "Standard" & "Columbia"), Anniston, Ala.
Bibb Mfg. Co., Macon, Ga.
Burdett Mfg. Co., Independence rd & Belmont, Kansas City, Mo.
California Cotton Mills Co., Oakland, Cal.
Cleveland Mill & Power Co. (Clothes Line, etc), Lawndale, N. C.
Cohankus Mfg. Co., Paducah, Ky.
Demopolis Cotton Mills, Montgomery, Ala.
Eagle & Phenix Mills, Columbus, Ga.
Ederer R J. Co., 169 N Franklin, Chicago, Ill.
Elder Jas., 230 W Coulter, Gtn., Phila., Pa.
Estes Mills (Sash Cord & Clothes Line), Fall River, Mass.
Franklin Cotton Mill Co., Plum & Charles, Cincinnati, O.
Hodson John M., Boone & Markle, Phila., Pa.
Hooper Sons Mfg. Co., Juniper & Cherry, Phila., Pa.
Hooper Wm. E. & Sons. ("Imperial"), 3502 Parkda'e av, Baltimore, Md.)
Humphrys' R. A. Sons, 1026 Callowhill, Phila. Pa. *See adv index at end of book*
Hutcheson Mfg. Co., Banning, Ga.
Lambeth Rope Corp. (Transmission, etc), New Bedford, Mass.
Lees Mfg. Co., Westport, Conn.
Moore C. & Co., Dept. H, 506 Market, Phila., Pa.
Mt. Vernon-Woodbury Mills, Inc., Cont. bldg, Baltimore, Md.
Orange Cotton Mills, Orangeburg, S. C.
Princeton Mfg. Co., Athens, Ga.
Puritan Cordage Mills, Louisville, Ky.
Samson Cordage Works ("Shirley"), 88 Broad, Boston, Mass.
Schermerhorn Bros. Co., 5 N La Salle, Chicago, Ill.
Small Bros., Fall River, Mass.
Southern Mills Corp., Oxford, Ala.
Tallassee Falls Mfg. Co., Tallassee, Ala.
Tate E. H. Mop & Cordage Co. ("Best Quality"), 67 Sudbury, Boston, Mass.
Tate Mfg. Co., 48 Hanover, Boston, Mass.
Tombigee Cotton Mills, Columbus, Miss.
Toohey M. J. & Co., Fall River, Mass.
Travers Twine & Cordage Co., 81 Warren, New York
Tribble Cordage Mills, Inc., 59 Temple pl, Boston, Mass.
Whitaker Wm. D., Cedar Grove, Phila., Pa.
erald, Phila., Pa.

12756— Rope (Fibre Clad)

Waterbury Company, 63 Park Row, New York

Rope (Haulage & Transmission)

See Wire Rope & Cables; also Rope, Manila & Sisal

12757— Rope (Hay)

Ajax Rope Co. Inc., 149 B'way, New York
Columbian Rope Co., 3050 Genesee, Auburn, N. Y.
Hooven & Allison Co., Xenia, O.
Kelly R. A. Co., Xenia, O.
Paxson J. W. Co., Dept H, Nicetown Lane & D, Phila., Pa.
Peoria Cordage Co., Peoria, Ill.
Plymouth Cordage Co., North Plymouth, Mass.
Rinek Cordage Co., Easton, Pa.
Rugg E. T. & Co., Newark, O.
St. Louis Cordage Mills, 1715 S 11th, St. Louis, Mo.
Wall Rope Work Inc., 48 South, New York
Whitlock Cordage Co. ("Whitlock"), 46 South, New York

12758— Rope (Hemp)

Broderick & Bascom Rope Co. (Jobbers), 805 N Main, St. Louis, Mo.
Chelsea Fibre Mills, 295 5th av, New York
Columbian Rope Co., 3050 Genesee, Auburn, N. Y.
Fitler Edwin H. Co., 517 Arch, Phila., Pa.
Hooven & Allison Co., Xenia, O.
Leschen A. & Sons Rope Co., Kennerly & Hamilton, Dept. H, St. Louis, Mo.
Macomber & Whyte Rope Co. ("Mac Whyte"), Kenosha, Wis.
Moore C. & Co., 506 Market, Phila., Pa.
New Bedford Cordage Co., 120 B'way, New York
Plymouth Cordage Co., N Plymouth, Mass.
Rauschenberger John Co., 87 W Water, Milwaukee, Wis.
St. Louis Cordage Mills, 1715 S 11th, St. Louis, Mo.
Tubbs Cordage Co., 200 Bush, San Francisco, Cal.
Wall Rope Works Inc., 48 South, New York
Whitlock Cordage Co., 46 South, New York

12759— Rope (Jute)

Am. Mfg. Co. ("American"), Noble & West, Brooklyn, N. Y.
Chelsea Fibre Mills, 295 5th av, New York
Dolphin Jute Mills, Paterson, N. J.
Hodson John M., Boone & Markle, Phila., Pa.
Hooven & Allison Co., Xenia, O.
Jackson Thos. & Son Co., Reading, Pa.
Peter & Guckenberger, 1205 Budd, Cincinnati, O.
Radcliffe & Shaw Co., Glen Rock, Pa.
Rauschenberger John Co., 87 W Water, Milwaukee, Wis.
Schlichter Jute Cordage Co., 20 N Front, Phila., Pa.
Tribble Cordage Mills, Inc., 59 Temple pl, Boston, Mass.

12760— Rope (Lead)

Chadwick-Boston Lead Co., 162 Congress, Boston, Mass.
United Lead Co. ("Ulco"), 100 E 42nd, New York

12761—Rope (Locked Coil & Locked Wire)

Broderick & Bascom Rope Co., 805 N. Main, St. Louis, Mo.
Leschen A. & Sons Rope Co., Dept. H, Kennerly & Hamilton, St. Louis, Mo.

Rope (Manila Switch)

See Rope, Manila Transmission

12762—Rope (Manila Transmission)

American Mfg. Co. ("American"), West & Noble, Brooklyn, N. Y.
Ajax Rope Co. Inc., 149 B'way, New York
Broderick & Bascom Rope Co. (Jobbers), 805 N. Main, St. Louis, Mo.
CARPENTER & CO., GEO. B., 434 N Wells, Chicago
See adv index at end of book
Colonial Supply Co. (Jobbers), 441 1st av, Pittsburgh, Pa.
See adv index at end of book
Columbian Rope Co. ("Columbian"), 3050H Genessee, Auburn, N. Y.
Continental Supply Co. (Manila), 1139 Olive, St. Louis, Mo.
Fischer & Hayes Rope & Steel Co., 816 W Erie, Chicago, Ill.
See adv index at end of book
Fitler Edwin H. Co., 517 Arch, Phila., Pa.
Frick & Lindsay Co. (Dlrs.), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Hooven & Allison Co., Xenia, O.
HUNT C. W. CO., West New Brighton, N. Y. *See adv index at end of book*
Kelly R. A. Co., Xenia, O.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Macwhyte Co. ("Macwhyte"), Kenosha, Wis.
New Bedford Cordage Co., 120 B'way, New York
Plymouth Cordage Co., North Plymouth, Mass.
Portland Cordage Co., 495 Northrup, Portland, Ore.
Rinek Cordage Co., Easton, Pa.
Rugg E. T. & Co., Newark, O.
St. Louis Cordage Mills ("American"), 1715 S 11th, St. Louis, Mo.
Tubbs Cordage Co., 200 Bush, San Francisco, Cal.
Upson-Walton Co., 1100 W 11th, Cleveland, Ohio
Wall Rope Work Inc., 48 South, New York
Waterbury Co., 63 Park Row, New York
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
White E. V. & Co. (Mfrs.' Agts.), 420 Water, Norfolk, Va.
Whitlock Cordage Co., 46 South, New York
Wood's T. B. Sons Co., Chambersburg, Pa.

12763—Rope (Manila & Sisal)

Ajax Rope Co., Inc., 149 B'way, New York
American Mfg. Co., West & Noble, Brooklyn, N. Y.
Broderick & Bascom Rope Co. (Jobbers), 805 N. Main, St. Louis, Mo.
CARPENTER & CO., GEO. B., 434 N Wells, Chicago
See adv index at end of book
Cating Rope Works, Maspeth, N. Y.
COLONIAL SUPPLY CO. (Manila), 217 Water, Pittsburgh, Pa.
See adv index at end of book
Columbian Rope Co. ("Columbian"), 3050H Genessee, Auburn, N. Y.
Daniels C. R., Inc., 115 South, New York
De Grauw Aymer & Co. (Dlrs), 34 South, New York
Disbrow Cordage Co., 25 Church, New York
Ederer R. J. Co. (Dlrs. Manila Only), 169 N Franklin, Chicago, Ill.
FISCHER & HAYES ROPE & STEEL CO., 816 W Erie, Chicago, Ill.
See adv index at end of book
Fitler Edwin H. Co., 517 Arch, Phila., Pa.
FRICK & LINDSAY CO. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Hooven & Allison Co., Xenia, O.
Hunt C. W. Co. (Manila Only), West New Brighton, N. Y.
See adv index at end of book
Indianapolis Cordage Co., Indianapolis, Ind.
Jackson Thos & Son Co. (Also Jute), Reading, Pa.
Kelly R. A. Co., Xenia, O.
Macwhyte Co. ("Macwhyte"), Kenosha, Wis.
Merchants & Mfrs. Supply Co. (Shredded Sisal), Chelsea, Mass.
NEW BEDFORD CORDAGE CO., 120 B'way, New York
Peoria Cordage Co., Peoria, Ill.
Peter & Guckenberger, 1205 Budd, Cincinnati, O.
Plymouth Cordage Co., N Plymouth, Mass.
Portland Cordage Co. ("P"), 495 Northrup, Portland, Ore.
Rinek Cordage Co. ("Rinek," Standard), Easton, Pa.
Rugg E. T. & Co., Newark, O.

(Continued on following page)

Rope (Manila & Sisal)—Continued

St. Louis Cordage Mills ("American" Manila, "Royal" Sisal), 1715 S 4th, St. Louis, Mo.
Travers Twine & Cordage Co., 81 Warren, New York
Tribble Cordage Mills, Inc., 59 Temple pl, Boston, Mass.
Tubbs Cordage Co. ("Extra Superior"), 200 Bush, San Francisco, Cal.
Upson-Walton Co. (The), 1100 W 11th, Cleveland, Ohio
Wall Rope Work Inc., 48 South, New York
Waterbury Co., 63 Park Row, New York
Whitlock Cordage Co. ("Whitlock"), 46 South, New York

12764— Rope (Plow, Steel)

American Steel & Wire Co. (Hoisting 208 S La Salle, Chicago, Ill.
See adv index at end of book
Fischer & Hayes Rope & Steel Co. ("Atlas Improved"), 816 W Erie, Chicago, Ill.
See adv index at end of book
Roebling's John A. Sons Co. ("Blue Center," Reg. U. S. Pat. Off.), Trenton, N. J. *See adv index at end of book*

12765— Rope (Rawhide)

CHICAGO RAWHIDE MFG. CO., THE, 1307 Elston av, Chicago, Ill.
See adv index at end of book
National Leather Mfg. Co., Niles, Mich.
Western Rawhide & Belting Co., 917 Winnebago, Milwaukee, Wis.

12766—Rope Rigging (Yacht)

See also Rope, Manila & Sisal
For Wire Rigging Rope, See Wire Rope & Cables
Ajax Rope Co. Inc., 149 B'way, New York
American Mfg. Co., Noble & West, Brooklyn, N. Y.
Columbian Rope Co., 3050 Genesse, Auburn, N. Y.
Fischer & Hayes Rope & Steel Co., 816 W Erie, Chicago, Ill.
See adv index at end of book
Macwhyte Co. ("Macwhyte"), Kenosha, Wis.
Plymouth Cordage Co., North Plymouth, Mass.
Roeblings John & Sons Co., Trenton, N. J.
See adv index at end of book
Tubbs Cordage Co., 200 Bush, San Francisco, Cal.

Rope (Steel Mast Arm or Arc Light)

See Wire Rope & Cables

12767—*Rope (Switching Locomotive)

American Steel & Wire Co., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Roeblings John & Sons Co., Trenton, N. J.
See adv index at end of book
Upson-Walton Co. (The), 1100 W 11th, Cleveland, Ohio

Rope (Tarred)

See Yarn, Tarred

12767a—Rope (Transmission)

Ajax Rope Co. Inc., 149 B'way, New York
Am. Mfg. Co., Noble & West, Brooklyn, N. Y.
American Steel & Wire Co., 208 S La Salle, Chicago, Ill. *See adv index at end of book*
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Columbia Rope Co., 3050 Senessee, Auburn, N. Y.
Cresson Morris Co., 18th & Alleghany av, Phila., Pa.
Fischer & Hayes Rope & Steel Co., 816 W Erie, Chicago, Ill.
See adv index at end of book
Frick & Lindsay Co. (Dlrs), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Lambeth Rope Corp. (Cotton), New Bedford, Mass.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Leschen A. & Sons Rope Co. (Wire), Kennerly & Hamilton, St. Louis, Mo.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Moon Geo. C. Co., Garwood, N. J.
Plymouth Cordage Co., North Plymouth, Mass.
Roeblings John & Sons Co., Trenton, N. J.
See adv index at end of book
Tubbs Cordage Co., 200 Bush, San Francisco, Cal.
Upson-Walton Co. (The), 1100 W 11th, Cleveland, Ohio
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Wood's T. B. Sons Co., Chambersburg, Pa.

Rope (Wire)

See Wire Rope & Cables

12768—Ropes (Automobile Towing)

AMERICAN STEEL & WIRE CO. ("A. S. & W. Co.," also Cables), 208 S La Salle, Chicago, Ill.
See adv index at end of book
Asch & Co. ("Motorope"), 17 W 60th, New York
Broderick & Bascom Rope Co. ("Basline"), 805 N Main, St. Louis, Mo.
Channon H. Co., 150 N Market, Chicago, Ill.
FISCHER & HAYES ROPE & STEEL CO., 816 W Erie, Chicago, Ill.
See adv index at end of book
Hogarty Edward, Unionville, Conn.
Leschen A. & Sons Rope Co., Dept. H, Kennerly & Hamilton, St. Louis, Mo.
Papyrus Artificial Paper Mfg. Co., Kenilworth, N. J.
Plymouth Cordage Co. (Manila), North Plymouth, Mass.
Samson Cordage Co., 88 Broad, Boston, Mass.

12769— Rosettes (Chair)

Berbecker & Rowland Mfg. Co. (Stamped Brass), Waterville, Conn.
Slaughter Guy T. & Co. (Imp.), 210 California, San Francisco, Cal.

12770— Rosettes (Electric)

Adapti Mfg. Co., 2990 E 72nd, Cleveland, Ohio
American Conduit Mfg. Co., New Kensington, Pa.
Arrow Electric Co. ("Midget" & "K W" Fuse & Fuseless "Arrow" Pole Switch) Hartford, Conn.
Bonnell W. A., 192 Chambers, New York
BRYANT ELECTRIC CO. ("Bryant" Switch Rosettes, "Junior," "Thomas" & "K-W"), 1421 State, Bridgeport, Conn.
Connecticut Electric Mfg. Co., Bridgeport, Conn.
Crouse Hinds Co. ("Norbitt" Porcelain), Syracuse, N. Y.
Freeman E. H. Electric Co. (Porcelain), Trenton, N. J.
Hart & Hedgeman Mfg. Co., 342 Capitol av, Hartford, Conn.
Heinemann Geo., 1224 N 8th, Phila., Pa. Pa.
Hubbell Harvey Co., Bridgeport, Conn.
Manhattan Electric Supply Co. (For the Ceiling), 17 Park pl, New York
Mesa Fernando C. Co., Dept. H, Colt & Chancellor av, Irvington, N. J.
Pass & Seymour ("P. & S." & "Littlegem"), Solvay, N. Y.
Paulding John D., Box 467, New Bedford, Mass.
Trumball Elec. Mfg. Co., Woodford av, Plainville, Conn.
Union Elec. Co., Trenton, N. J.

12770a—*Rosettes ("Standard")

General Electric Co., Schenectady, N. Y.
See adv index at end of book

12771— Rosettes (Harness)

Duranoid Mfg. Co., 213 Chestnut, Newark, N. J.
Frazer & Jones Co., Syracuse, N. Y.
North & Judd Mfg. Co. ("Anchor Brand"), New Britain, Conn.
Rubber & Celluloid Products Co., 56 Ferry, Newark, N. J.

12772—*Rosettes (Turned Wood)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
ESTES E. B. & SONS, 364 5th av. New York *See adv index at end of book*

12773—Rosettes & Pickets (Iron)

Braun J. G., 609 S Paulina, Chicago, Ill.
Kline Hardware Co., Allentown, Pa.
Milwaukee Hay Tool Co. (Malleable Iron Pickets), Layton Park, Milwaukee, Wis.
Pratt Wm. E. Mfg. Co. (Malleable Iron), 35 W Lake, Chicago, Ill.

12774— Rosin Mfrs.

Adams F. C. Co. (Mfrs.' Agt.), 130 N Wells, Chicago, Ill.
Antwerp Naval Stores Co., Savannah, Ga.
Ashe-Carson Co., Andalusia, Ala.
Barclay Naval Stores Co. (Jobbers), 56 Delevan, Brooklyn, N. Y.
Breslauer, A. (Mfrs. Agent), American National Bank bldg, San Francisco, Cal.
Bush Chas. S. Co. (Powdered), 224 Weybosset, Providence, R. I.
Central Commercial Co. (Jobbers), 111 N Market, Chicago, Ill.
Chamberlain & Johnson (Bar), 1238 Voskamp, Pittsburgh, Pa.
Columbia Naval Stores Co., Savannah, Ga.
Cooper & Cooper Inc., 23H Cliff, New York
Cremoline Disinfecting Co., 121 S Main, St. Louis, Mo.
Doggett Stanley (Dealers), 11 Cliff, New York
Forest Products Co. ("Pinesote"), 1312 Whitney, New Orleans, La.
General Naval Stores Co., 90 West, New York
Gillican-Chipley Co. Inc., Central National Bank bldg., New Orleans, La.
Good James Inc. (Powdered), 2113H E. Susquehanna av, Phila., Pa.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book

HERCULES POWDER CO.

(Wood) (Naval Stores Div.), Wilmington, Del.

Larendon M. W. & Co. (Jobbers), 82 Wall, New York
London-Savannah Naval Stores Co., Savannah, Ga.
Mailliard & Schmiedell (Mfrs. Agts.), 203 California, San Francisco, Cal.
Michigan Electrochemical Co., Menominee, Mich.
Millville Pulp & Products Co., Millville, N. J.
National Pulp & Turpentine Co., Green Cove Springs, Fla.
National Rosin Oil & Size Co., 90 West, New York
Naval Stores Equipment Co. (Jobbers), Canal Bank bldg, New Orleans, La.
New York Rosin Oil & Varnish Co. (Rosin Oil & Products), 90 West, New York
North Carolina Naval Stores Co., Wilmington, N. C.
Peninsular Naval Stores Co., Jacksonville, Fla.
Petteway H. H., Wauchula, Fla.
Producers' Turpentine Co., Elizabeth, La.
Rosin & Turpentine Export Co. (dealers), 26 Cortlandt, New York
Scheel Wm. H. (Jobbers), 179 Water, New York *See adv index at end of book*
Sealy Thos. (Jobbers), 138 Front, New York
Stevens Frederic B., Inc. (Powdered, Mfrs. & Jobbers), 3rd & Larned, Detroit, Mich. *See adv index at end of book*
Taylor, Lowenstein & Co., Mobile, Ala.
Webb A. L. & Sons, Maryland Trust bldg, Baltimore, Md.
Wiarda John C. & Co, 83 Provost, Brooklyn, N. Y. *See adv index at end of book*
Winkler Isaac & Bro. Co. (Jobbers), First Natl. Bank bldg, Cincinnati, O.

12775—Rotary Rapper for Bench Moulders

Fulton Foundry & Machine Co., 21 Furman, Brooklyn, N. Y.

12775a— Rotten-Stone

See also Pumice Stone Importers
Chrystal Chas. B. Co. Inc., 13 Cliff, New York *See adv index at end of book*
Hammill & Gillespie (Imp.), 240 Front, New York
Keystone Minerals Co., 300 Madison av, New York
Kerner W. R. & Co. ("Kerner's Work-Rite"), 139 N Clark, Chicago, Ill.
Wagner Charles A. Co. Inc., 222H N Front Phila., Pa.

12775b— *Rouge (Ball)

Barker Bros., Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book

12776— Rouge (Powdered)

See also Compositions, Buffing
Barker Bros., Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
CHRYSTAL CHAS. B. CO. INC. (Imp.), 13 Cliff, New York
See adv index at end of book
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
McNULTY JOSEPH A. (Especially prepared for the polishing of metal and glass—a real Rouge that will polish and not wear out your buffs and wheels), 114 Liberty, New York
See adv index at end of book
Mirror Range Co. (Glass Polishing), New Kensington, Pa.
Munning A. P. & Co., Matawan, N. J.

Smith J. Lee & Co. (Imp), 19 Jacob, New York
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

12776a— *Rouge (Stick)

Barker Bros., Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book

12776b—*Roughs (Last & Tenpin)

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

12777— Roundels

Corning Glass Works (Semaphore Classification Lamps & Other Signals), Corning, N. Y.

12777a— *Rounds (Chair)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

12778— Rounds (Ladder)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

12779— Row-Locks

Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Detroit Shipbuilding Co., Ft. Orleans, Detroit, Mich.
Durkee Chas. D. & Co., 2 South, New York
Greene, Tweed & Co., 109 Duane, New York
Laughlin Thos. Co. ("Acme," "Adirondack," "Anglo," "Blackburn," "Connecticut River," "Davis," "Fancy Socket," "Light Socket," "Moline," "North River," "Outrigger," "Regular," "Ribbed," "Safety," "Side Plate," "Socket," "Swivel," "Vancouver," "Victor"), 135 Fore, Portland, Ore.
See adv index at end of book
Malleable Iron Fittings Co. ("Davis" Pattern, "Hammer" Self-Locking, etc; "M. I. F. Co."), Branford, Conn.
Marine Hdw.-Equipment Co., So. Portland, Me.
Morss A. S. Co., 132 Federal, Boston, Mass.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
Tiebout W. & J., 118 Chambers, New York
Wilcox, Crittenden & Co., Inc. ("Adirondack," "Blackburn," "Columbian," "Southwick," "Milwaukee," "Moline," "Detroit," "Vancouver," "Victoria," "Boston Pattern," "Davis," "Acme," "North River," etc.), 444 S. Main, Middletown, Conn.
See adv index at end of book

12780—Rubber Bumpers & Cushions

Acme Rubber Mfg. Co., Trenton, N. J.
Boston Belting Corp., 84 Lincoln Park, Boston, Mass.
Cincinnati Rubber Mfg. Co. (Springs), Norwood, Cincinnati, O.
See adv index at end of book
Combination Rubber Mfg. Co., Bloomfield, N. J.
Elastic Tip Co., 370 Atlantic av, Boston, Mass.
Elkhart Rubber Works, Elkhart, Ind.
Empire Tire & Rubber Corp., Trenton, N. J.
Essex Rubber Co., Trenton, N. J.
Federal Rubber Co., The, Cudahy, Wis.
Goodrich B F. Co., Akron, O
Goodyear Tire & Rubber Co., Akron, O.
Gutta Percha & Rubber Mfg. Co., 350 Madison av, New York
Hewitt Rubber Co., Buffalo, N. Y.
Home Rubber Co., Trenton, N. J.
Indiana Rubber & Insulated Wire Co., P. O. Box 192, Jonesboro, Ind.
National India Rubber Co., Bristol, R. I.
New York Belting & Packing Co., 91 Chambers, New York
Norwalk Mfg. Co. (Bumpers), E Norwalk, Conn.
Pennsylvania Rubber Co., Jeannette, Pa.
Quaker City Rubber Co., 672 Market, Phila., Pa.
See adv index at end of book
Republic Rubber Corp., Dept. H, Youngstown, Ohio
Schacht Rubber Mfg. Co., Huntington, Ind.
U. S. RUBBER CO., 1790 B'way, New York
See adv index at end of book
Woven Steel Hose & Rubber Co., Trenton, N. J.
Youngstown Pressed Steel Co., Warren, O.
See adv index at end of book

12781— Rubber (Crude)

American Trading Co., 25 Broad, New York
Arnold & Zeiss, 347 Madison av, New York
Astlett H. A. & Co. (Imp.), 64 Water, New York
Baird Rubber & Trading Co., 233 Broadway, New York
Blitz L., 8 Bridge, New York
Brandon Isaac & Bros., 17 Battery pl, New York
Brown W. G. & Co., Union Central bldg, Cincinnati, O.
Calvet, Pablo & Co., 99 Water, New York
Catz American Co. Inc. (Imp), 35 S William, New York
Dumarest Bros., 66 Front, New York
Dunbar F. W. & Co. (Imp.), 280 B'way, New York
Earle Bros., 66 Broad, New York
Eastmond & Co. (Imp.), 128 Pearl, New York
Eggers & Heinlein, 59 Pearl, New York
General Export & Commission Co., 119 Produce Exchange, New York
General Rubber Co., 1790 B'way & 58th, New York
Gonzalez Andres (Imp), 82 Pine, New York
Gough W. L. Co., 25 S William, New York
Grace W. R. & Co., 7 Hanover Square, New York
Harburger & Stack, 83 Gold, New York
Henderson F. R. & Co., 250 W 57th, New York
Hirsch Adolph & Co. (Imp), 63 Park Row, New York
Johnson Lawrence & Co., Lafayette bldg, Phila., Pa.
Johnstone J. T. & Co. (Imp.), 22 William, New York
Littejohn L. & Co. (Imp), 138 Front, New York
Maurer Ed. Co., 81 Fulton, New York
Mecke & Co., 6 Hanover, New York
Mexican Crude Rubber Co., 168 Penobscot, Detroit, Mich.
Meyer & Brown, 347 Madison av, New York
Mitsui & Co. (Imp), 65 B'way, New York
Pell Geo. E. (Broker), 9 Hanover, New York
Piza Nephews & Co. (Imp. & Exp.), 24 Stone, New York
Raw Products Co., 80 Wall, New York
Rossbach J. H. & Bros. (Imp.), 55 Frankfort, New York
Rotholz A. N., 123 Liberty, New York
Rubber Trading Co., 9 Murray, New York
Russell W. R. & Co., 138 Front, New York
Steiger Trading Co. (Inc.), 49 Murray, New
Stiles Wm. H. & Co., 1 Liberty, New York
Tallman Albert V. W. (Broker), 54 Stone, New York
Wilson Chas. T. Inc., 82 Beaver, New York

12782— Rubber (Dental)

Ash Claudius Sons & Co., 1 Union sq, New York
Doherty Eugene (Est. of), 110 Kent av, Brooklyn, N. Y.
Kleinert I. B. Rubber Co., 485 5th av, New York
McCormick E. J. Rubber Co., Lodi, N. J.
Traun Rubber Co., 239 4th av, New York
White S. S. Dental Mfg. Co., 12th & Chestnut, Phila., Pa.

12783— Rubber Goods

CALIFORNIA.

EMERYVILLE—American Rubber Mfg. Co.
LOS ANGELES—Angelus Heel & Rubber Co., 1417 N Main
Eno Rubber Corp. ("Eno"), 1026 S Los Angeles
Goodyear Rubber Co., Citizens Bank bldg
Long-Turney Corp., 1920 E Vernon
West American Rubber Co., 400 N. av 19
SAN FRANCISCO—GOODYEAR RUBBER CO. (Mechanical Molded Oil Clothing, etc.), 539 Mission
Pioneer Rubber Mills, 68 Sacramento
Standard Rubber Co., 47 Tehama
Universal Tire & Rubber Co., 938 Harrison

COLORADO.

DENVER—Gates Rubber Co. (Tires), 999 S Broadway

CONNECTICUT.

BEACON FALLS—Beacon Falls Rubber Shoe Co. (Footwear)
BRIDGEPORT—Canfield H. O. Co. (Molded), 191 Housatonic
Electric Cable Co., 480 Bunnell (See New York City)
MIDDLETOWN—Goodyear Rubber Co. (See New York City)
Omo Mfg. Co. (Dress Shields)
Goodyear's Metallic Rubber Shoe Co. (Footwear), Controlled by United States Rubber Co. (See New York City)
NEW HAVEN — Baumann Rubber Co. (Toys, Balls, Druggists' Sundries, etc), 494 Congress av
Seamless Rubber Co. (Druggists' Sundries)
RIVERTON—Raley Rubber Co. (Nipples & Pacifier)
SANDY HOOK—Fabric Fire Hose Co. (See New York City)
SEYMOUR—Day H. P. & E. (Hard Rubber Specialties)
SHELTON—Rubber Products Corp, Dept H
STAMFORD—Atlantic Insulated Wire & Cable Co. (Insulated Wires)
WALLINGFORD—New York Insulated Wire Co. (See New York City)

DELAWARE.

WILMINGTON—Electric Hose & Rubber Co., 13th & Dure

ILLINOIS.

CHICAGO—AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Atlantic India Rubber Works, 1453 W. Van Buren
FABREEKA BELTING CO. (Complete Stocks carried to take care of Middle Western requirements), 170 N Franklin
See adv index at end of book
Featheredge Rubber Co., 414 W Grand av
Mechanical Rubber Co., 2639 W Grand av
SYCAMORE—Chicago Insulated Wire & Mfg. Co. Insulated Wires & Cables)

INDIANA.

ANDERSON—Anderson Rubber Works
ELKHART—Elkhart Rubber Works (Mechanical & Molded)
GOSHEN—Western Rubber Co. (Mechanical & Molded Goods, etc)
JONESBORO — Indiana Rubber & Insulated Wire Co. (Insulated Wires & Cables, Tires & Mechanical Goods), P. O. Box 192
KOKOMO—Kokomo Rubber Co. (Tires)
MARION—Marion Insulated Wire & Rubber Mfrs. (Insulated Wires & Cables)
MISHAWAKA—Mishawaka Woolen Mfg. Co. (Boots & Shoes)

MARYLAND.

MASSACHUSETTS.

ACUSHNET—Acushnet Process Co.
ANDOVER—Tyer Rubber Co. (Druggists' & Stationers' Sundries, Sporting & Molded Goods)
ATHOL—Metropolitan Air Goods Co.
BOSTON—American Rubber Co. (Footwear & Clothing), 130 Essex (Controlled by U. S. Rubber Co.), 130 Essex
Atlantic Rubber Co., 755 Boylston
Boston Belting Corp. (Mechanical, etc.), 84 Linden Park
Boston Rubber Shoe Co. (Footwear), 130 Essex (Controlled by U. S. Rubber Co.)
Clifton Mfg. Co. (Insulating Compounds, Tapes, Insulating Conduits & Clothing, etc), 65 Brookside av, Jamaica Plain
Davidson Rubber Co. (Druggists' Sundries & Hard Rubber Goods)
Elastic Tip Co. (Small Molded), 370 Atlantic av
FABREEKA BELTING CO. (The Home of Fabreeka Belting), 120 High
See adv index at end of book
Foster Rubber Co. (Heels & Soles, Horse Shoe Pads, Crutch Tips, Tires, etc), 105 Federal. Factory: Walpole, Mass.
Franklin Rubber Co. (Clothing), 134 Federal
Hale Alfred Rubber Co. (Diving Apparatus & Molded Work), 17 Covington, S. Boston
Hauthaway C. L. & Sons (Cements), 346 Congress
Hood Rubber Co. (Footwear), 10 High (See Watertown)
New England Blacking Co. (Cements), 24 Binford
New England Rubber Shoe Co. (Controlled by Hood Rubber Co.), 284 Summer
Revere Rubber Co. (Mechanical Goods & Tires, etc.), 60 High
Simplex Wire & Cable Co. (Insulated Wire & Cable)
United States Rubber Co. (Holding Company for American Rubber Co., and Other Companies), 284 Sumner *See adv index at end of book*
BROCKTON—Hazen-Brown Co. (Cements)
Stowe & Woodward Co. (Proofing of Cloth & Mechanical Goods)
CAMBRIDGE—American Rubber Co. (See Boston)
Boston Woven Hose & Rubber Co. (Mechanical Goods)
Simplex Wire & Cable Co. (See Boston)
CHELSEA—Revere Rubber Co. (See Boston)
CHICOPEE—Spalding A. G. & Bros. Mfg. Co. (Golf Balls & Sporting Goods)
CHICOPEE FALLS—Fisk Rubber Co. (Tires)
EASTHAMPTON — Easthampton Rubber Thread Co. (Rubber Thread & Bands)
HUDSON—Apsley Rubber Co. (Clothing & Footwear)
HYDE PARK—Bay State Insulated Wire & Cable Co. (Insulated Wire & Cables)

(Continued on following page)

Rubber Goods—Continued

MASSACHUSETTS—Continued

LOWELL—Converse Rubber Shoe Co. (Footwear)
Franklin Rubber Co. (See Boston)
Lowell Insulated Wire Co. (Rubber Covered Wires & Lamp Cords)
MILFORD—Archer Rubber Co. (Proofing for the Trade)
NORTH BROOKFIELD—Quabaug Rubber Co. (Molded Goods)
READING—McTernan Rubber Mfg. Co. (Druggists' Sundries & Molded Work)
SALEM—Salem Rubber Co. (Cements),
STOUGHTON — Stoughton Rubber Co. (Clothing & Molded Goods) (Controlled by Rubber Goods Mfg. Co.)
WATERTOWN—Hood Rubber Co. (Footwear)
WEST MEDFORD—Mystic Rubber Corp. (Dress Shields, Sheetings, etc)
WORCESTER—**AMERICAN STEEL & WIRE CO.** (Insulated Wires)
See adv index at end of book

MICHIGAN.

DETROIT—Dominion Asbestos & Rubber Corp. Farwell bldg.
See adv index at end of book
MUSKEGON—Curtis Tire & Rubber Co. (Moulded, Tires & Tubes)

MISSOURI.

KANSAS CITY—United States Rubber Co. (Mechanical Goods Division), 1520 Main
ST. LOUIS—Banner Rubber Co. (Footwear), 208 N 4th
St. Louis Rubber Cement Co. (Cements), 3046 Lambdin av

NEW JERSEY.

BAYONNE—Safety Insulated Wire & Cable Co. (See New York City)
BLOOMFIELD—Combination Rubber Mfg. Co. (Mechanical)
BUTLER—American Hard Rubber Co. (See New York City)
Bloomingdale Rubber Co.
EAST ORANGE—Seabury & Johnson (See New York City)
ELIZABETH—Jenkins Rubber Co.
GARFIELD—Laurel Co. (Stationers' Sundries)
HAWTHORNE—La Favorite Rubber Mfg. Co.
HOBOKEN—American Lead Pencil Co. (See New York City)
IRVINGTON—Ash Claudius Sons & Co. (Ltd.) (See New York City)
JERSEY CITY—Eureka Fire Hose Mfg. Co., Wilkinson av (See New York City)
New Jersey Car Spring & Rubber Co. (Mechanical, etc), 91 Brunswick
Voorhees Rubber Mfg. Co. (Mechanical), 18 Bostwick av
LAMBERTVILLE—Lambertville Rubber Co. (Boots & Shoes)
LODI—Cigol-Behrens Rubber Co. (Tire Repair Stock, Moulded & Special)
McCormick E. J. Rubber Co. (Dental)
MILLTOWN—Michelin Tire Co. (Tires)
NEWARK—Faber A. W. Rubber Works, 41 Dickerson. (See New York City)
Faber Eberhard Rubber Co. (See New York City)
NEW BRUNSWICK — Howe Rubber Co. (Inner Tubes)
India Rubber Co. (Hard)
NEW DURHAM—Peerless Rubber Mfg. Co. (Controlled by Rubber Goods Co., New York City)
PASSAIC—Manhattan Rubber Mfg. Co. (Mechanical)
TRENTON—Acme Rubber Mfg. Co. (Mechanical)
Ajax Rubber Co.
Crescent Insulated Wire & Cable Co. (Insulated Wire)
Empire Tire & Rubber Corp. (Mechanical & Auto Tires)
Essex Rubber Co. (Specialties for the Shoe Trade)
Hamilton Rubber Mfg. Co. (Mechanical)
Home Rubber Co. (Mechanical)
Luzerne Rubber Co. (Hard Rubber)
United & Globe Rubber Co. (Mechanical)
Whitehead Bros. Rubber Co. (Mechanical & Moulded)
Woven Steel Hose & Rubber Co. (Mechanical)

NEW YORK.

BATAVIA—Batavia Rubber Co. (Tires & Moulded Goods)
BEACON—New York Rubber Co. (See New York City)
See adv index at end of book
BUFFALO—Buffalo Weaving & Belting Co. (Rubber Belting & Webbings), 215 Chandler
Hewitt Rubber Co. (Mechanical Goods & Hose Specialties)
LOCKPORT—Empire Mfg. Co. (Rubber-Lined Cotton Hose & Belting)
MT. VERNON—Hodgman Rubber Co. (See New York City)

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Brooklyn Shield & Rubber Co., 397 Summer av (See Brooklyn Rubber Co.)
Doherty Eugene (Est. of) (Dental & Stamp Rubber), 110 Kent av
Faber Eberhard Rubber Co. (Erasers & Stationers' Rubber Goods), 37 Greenpoint
Gutta Percha & Rubber Mfg. Co., 53 Franklin av
Parker Stearns & Co. (Molded Rubber Goods), 286 Sheffield av

Boroughs of Manhattan and Bronx.

NEW YORK—Ajax Rubber Co. (Tires, Soles & Heels), 220 W 57th. Factory, Trenton, N. J.
American Hard Rubber Co. (Hard Rubber Goods), 9 Mercer. Factories, College Point, Borough of Queens, New York; Butler, N. J.; Akron, O.
American Lead Pencil Co. (Rubber Erasers & Bands), 220 5th av. Factory, Hoboken, N. J.
American Wringer Co. (Rubber Rolls), 82 W B'way. Factory: Auburn, N. Y.
Ash Claudius Sons & Co. (Dental Rubber), 1 Union sq. Factory: Irvington, N. J.
DARCOID COMPANY, 1780 B'way
See adv index at end of book
Eureka Fire Hose Mfg. Co. (Rubber-Lined Fire Hose), 27 Barclay, Factory: Jersey City, N. J.
FABREEKA BELTING CO. (All sizes up to 16 in. carried in Fabreeka Belting stock), 523-29 Eighth av
See adv index at end of book
Fabric Fire Hose Co. (Fire Hose), 127 Duane. Factory, Sandy Hook, Conn. (Controlled by Rubber Goods Mfg. Co., New York City)
Good Mfg. Co. ("Good"), 305 E 134th
Goodyear Rubber Co. & Rubber Clothing Co. (Footwear) 787 B'way. Factory: Middletown, Conn.
Gutta Percha & Rubber Mfg. Co. (Mechanical), 350 Madison av
Habirshaw Elec. Cable Co. (Insulated Wires), 10 E 43d. Factory: Yonkers, N. Y.
Hodgman Rubber Co. (Mackintoshes, Rubber Clothing, Druggists' & Stationers' Sundries & Air Goods), 25 W 43rd. Factories: Tuckahoe, N. Y., & Mt. Vernon, N. Y.
Jenkins Rubber Co. (Mechanical Packings, Valves, etc.), 80 White. Factory: Elizabeth, N. J., Jenkins Bros. Propts.
Kleinert I. B. Rubber Co. (Dental Rubber & Dress Shields), 485 5th av. Factory: College Point, Borough of Queens, New York City
Mechanical Rubber Co. (Mechanical), 73 Reade. (Controlled by Rubber Goods Mfg. Co., New York City)
New York Belting & Packing Co. (Mechanical, Mattings, etc), 91 Chambers. Factories: Passaic, N. J. (Controlled by Rubber Goods Mfg. Co., New York City)
New York Gas Tubing Co., Inc. (Gas Tubings), 806 Greenwich
New York Rubber Co. (Mechanical Rubber Goods), 291 B'way
See adv index at end of book
Peerless Rubber Mfg. Co., 59 Reade
Rubber Goods Mfg. Co. (Mechanical, Tires, etc), B'way & 58th
Safety Insulated Wire & Cable Co. (Insulated Wires & Cables), 114 Liberty. Factory: Bayonne, N. J.
Seabury & Johnson (Rubber Plasters), 59 Maiden Lane. Factory: East Orange, N. J.
Soltau Robt. & Co. (Gutta Percha Tissue), 75 John
Traun Rubber Co. (Dental & Druggists' Sundries, Stamp Rubber, etc), 335 B'way. Factory: College Point, Borough of Queens, New York City
U. S. RUBBER CO. ("Hub Mark" Rubbers; Footwear, Clothing, Druggists' Sundries, Insulated Wires, etc.), 1790 B'way
See adv index at end of book



"U. S." Plumbers
RUBBER
SPECIALTIES
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

Vulcanized Rubber Co. (Hard Rubber Goods), 251 4th av. Factory: Morrisville, Pa.
Western Electric Co. (Hard Rubber, Electrical Specialties & Insulated Wires), 463 West
Whitall Tatum Co. (Druggists), 48 Barclay

Borough of Queens.

COLLEGE POINT—Traun Rubber Co. (See New York City)
LONG ISLAND CITY—Rubber Stopple Co. (Small Molded Goods), West av

Borough of Richmond.

PRINCES BAY—White S. S. Dental Mfg. Co. (See Phila., Pa.)
(End of New York City)
PALMYRA—Crandall Packing Co. (Packings, etc)
Dealers Steam Packing Co. (Packings)
Garlock Packing Co.
TUCKAHOE—Hodgman Rubber Co. (See New York City)

OHIO.

AKRON—Amazon Rubber Co.
American Hard Rubber Co. (See New York City)
American Tire & Rubber Co.
Firestone Tire & Rubber Co. (Tires)
General Tire & Rubber Co.
Goodrich B. F. Rubber Co. (Mechanical Rubber Goods, Tires, Stationers' & Druggists' Sundries, etc)
Goodyear Tire & Rubber Co. (Mechanical Goods, Tires, Druggists' Sundries, etc)
Gregory Rubber Co.
India Rubber Co., Mogadore
Lincoln Rubber Co.
Miller Rubber Co. (Tires, Druggists' Sundries, Toys, Physicians' & Hospital Supplies, etc)
Mohawk Rubber Co. (Tires & Tubes)
O'Neil Tire & Rubber Co.
Star Rubber Co. (Seamless Druggists' Sundries)
Swinehart Tire & Rubber Co. (Carriage Tires)
ASHLAND—Faultless Rubber Co. (Druggists' Surgical Sundries, Molded Goods, etc)
Mohican Rubber Co., Dept H
BARBERTON—Rubber Products Co. (Mechanical & Druggists' Sundries)
CANTON—Canton Rubber Co. (Seamless Goods & Druggists' Sundries), 211 7th S E
Wilson Rubber Co. (Druggists' Sundries & Gloves)
CARROLLTON—L. & M. Rubber Co.
CINCINNATI—Cincinnati Rubber Mfg. Co. (Mechanical), Norwood
See adv index at end of book
CLEVELAND—Aetna Rubber Co. (Gloves), 815 E 79th
Chemical Rubber Co. (Laboratory Supplies), W 112th
Ohio Rubber Co. (Mechanical & Molded), 725 St. Clair
COLUMBIA—Columbia Tire & Rubber Co.
CUYAHOGA FALLS—Eclat Rubber Co. (Mechanical Rubber Tubing, Windshield Strips, Baby Carriage Tires, Radiator Hose)
Falls Rubber Co. (Tires)
Marathon Tire & Rubber Co. (Tires, etc)
EAST PALESTINE—McGraw Tire & Rubber Co. (Tires, etc)
ELYRIA—I. T. S. Rubber Co.
MANSFIELD—Columbia Tire & Rubber Co.
Mansfield Tire & Rubber Co. (Tires, Tubes, etc)
MARION—Marion Tire & Rubber Co.
Studebaker Wolf Rubber Co.
MASSILLON—Realty Rubber Co. (Seamless Rubber Goods)
RAVENNA—Rayon Rubber Co. (Novelties)
SALEM—Porter Rubber Co.
SPRINGFIELD—Victor Rubber Co. (Mechanical, Tires, etc)
WARREN—Packard Electric Co. ("Packard," Cable)
WILLOUGHBY—Standard Tire & Rubber Mfg. Co. (Mechanical & Molded Goods)
YOUNGSTOWN—Republic Rubber Co. (Mechanical, Tires, etc)

OREGON

PORTLAND—Goodyear Rubber Co., 61 4th
Huntington Rubber Mills, MacAdam & Nevada

PENNSYLVANIA.

BLOOMSBURG—Wirt Paul E. (Fountain Pens)
CONSHOHOCKEN—Lee Tire & Rubber Co. (Tires, etc)
ERIE—Continental Rubber Works (Mechanical, Tires, etc)
Keystone Rubber Mfg. Co.
Vulcan Rubber Co. (Tires, Tubes, etc)
JEANNETTE—Pennsylvania Rubber Co. (Mechanical, Tires, etc)
PHILADELPHIA—**FABREEKA BELTING CO.** (Local Sales Office and Stock Room), 514 Arch
See adv index at end of book
Goodall Rubber Co. (Mechanical), 8th & Locust

MECHANICAL RUBBER GOODS

Nearly 40 years' experience in manufacturing and handling rubber goods. Our factory with up-to-date equipment enables us to turn out a complete line of Mechanical Rubber Goods—Belting, Hose, Packings—Automobile Tires and Tubes at prices that will appeal to you.

Daniel's P. P. P. Rod Packing
Ebonite Sheet Packing
Ebonite Steam Hose

Quaker City Water Hose
Ironsides and Quaker City Transmission Belt

Desert Conveyor Belt
Full line of Rod and Sheet Packings, Hose for every purpose, Belting, Pump Valves, Gaskets, Tubings, Mats and Matting, etc.

Prompt attention given all inquiries. From the large stocks of staple articles which we carry, mail and wire orders can be shipped, in most cases, the same day order is received

QUAKER CITY RUBBER COMPANY

Branches CHICAGO, PITTSBURGH, NEW YORK

Offices and Factory: 3927 Comly St., PHILADELPHIA, PA.

Montgomery Bros. (Cements), 45 S 2d
Mulconroy Co. (Mechanical Goods, etc), 54th & Jefferson
Northwestern Rubber Co. ("Northwestern"), Lowman bldg
Phila. Insulated Wire Co. (Insulated Wire), 200 N 3rd
Quaker City Rubber Co. (Mechanical), 672 market
See adv index at end of book
Snyder M. L. & Son (Mechanical), 223 Church
Stockwell Rubber Co. Inc., 535 Arch
White S. S. Dental Mfg. Co. (Dental Supplies), 211 S 12th. Factory: Princess Bay, Bor. of Richmond, New York City
Whitall Tatum Co. (Druggists), 410 Race
WILLIAMSPORT—Lycoming Rubber Co.

RHODE ISLAND.

BRISTOL—National India Rubber Co. (Insulated Wires, Footwear, Mechanical Goods, Druggists' Sundries, Carriage Cloth), Controlled by U. S. Rubber Co.
PAWTUCKET—Collyer Insulated Wire Co. (Insulated Wires & Cables)
PHILLIPSDALE — American Electrical Works (Insulated Wires)
PROVIDENCE—Bourn Rubber Co. (Insulated Wires, Footwear, etc), 58 Warren
Davol Rubber Co. (Druggists' Sundries), 69 Point
Mechanical Fabric Co. (Rubber Thread & Card Clothing), 40 Sprague
WEST BARRINGTON—International Rubber Co. (See New York City)
WOONSOCKET—American Wringer Co. (See New York City)
Woonsocket Rubber Co. (Footwear), (Controlled by U. S. Rubber Co.) (See New York City)

WASHINGTON.

KENT—Northwestern Rubber Co. ("Northwestern")

WISCONSIN.

CUDAHY—Federal Rubber Co., The (Tires Mechanical Goods, etc)
EAU CLAIRE—Gillette Rubber Co., Dept. H
LA CROSSE—La Crosse Rubber Mills Co. (Mackintoshes, Rubber Clothing, Footwear & Molded Goods)
MILWAUKEE—Fisher Specialty Co. (Jobbers), 326 Ogden av
Petley Rubber Co. (Mechanical Goods), 247 Oregon
RACINE—Chicago Rubber Clothing Co. (Mackintoshes, Rubber Clothing)
Racine Rubber Co.

12784—Rubber Goods (Druggists' & Surgical)

Ajax Rubber Co., 220 W 57th, New York
American Hard Rubber Co., 9 Mercer, New York
Bailey C. J. & Co., 88 Broad, Boston, Mass.
Baumann Rubber Co., 494 Congress av, New Haven, Conn.
Canton Rubber Co. (Seamless Rubber Goods), 211 7th S E, Canton, O.
Davidson Rubber Co., Boston, Mass.
Davol Rubber Co., 69 Point, Providence, R. I.
Faultless Rubber Co., Ashland, O.
Goodrich B. F. Rubber Co., Akron, O.
Hodgman Rubber Co., 25 W 43rd, New York
Lincoln Rubber Co., Akron, O.
Long-Turney Corp., 1920 E Vernon, Los Angeles, Cal.
Luzerne Rubber Co., Trenton, N. J.
McTernen Rubber Mfg. Co., Reading, Mass.
Miller Rubber Co., Akron, O.
Myers Mfg. Co. ("Costa"), Fremont, O.
National India Rubber Co. (Druggists' Sundries), Bristol, R. I.
Parker Stearns & Co., 286 Sheffield av, Brooklyn, N. Y.
Rubber Products Co., Barberton, O.
Rubber Stopple Co., West av, Long Island City, N. Y.
Seamless Rubber Co., Hallock av, New Haven, Conn.
Star Rubber Co. (Seamless), Akron, O.
Tyer Rubber Co., Andover, Mass.
U. S. Rubber Co., 1790 B'way, New York
See adv index at end of book
Whitall Tatum Co., 48 Barclay, New York

Rubber Goods (Hard)

See Rubber, Hard

12785—Rubber Goods (Mechanical)

See Index of Contents for all Other Rubber Specialties

Acme Rubber Mfg. Co., Trenton, N. J.
Amer. Rubber Mfg. Co., Emeryville, Cal.
Anderson Rubber Works, Anderson Ind.
Angelus Heel & Rubber Co., 1417 N Main, Los Angeles, Cal.
Atlantic Rubber Co., 755 Boylston, Boston, Mass.
Boonton Rubber Co. Boonton N. J.
Boston Belting Corp., 84 Linden Park, Boston, Mass.
Boston Woven Hose & Rubber Co., Cambridge, Mass.
Brown Wm. H. H. Co., Buffalo, N. Y.
Buffalo Weaving & Belting Co., 215 Chandler, Buffalo, N. Y.
Canfield H. O. Co., 191 Housatonic, Bridgeport, Conn.
CARPENTER & CO., GEO. B., 434 N Wells, Chicago
See adv index at end of book
Cigol-Behrens Rubber Co., Lodi, N. J.
Cincinnati Rubber Mfg. Co., Norwood, Cincinnati, O.
See adv index at end of book
Coe Belting & Supply Co., 221 S Peters, New Orleans, La.
Combination Rubber Mfg. Co., Bloomfield, N. J.
Darcoid Company, 1780 B'way, New York
See adv index at end of book
Davidson Rubber Co. (Hard & Soft, Drug, Dental, Surgical & Hospital), Boston, Mass.
Eclat Rubber Co. ("Ekla"), Cuyahoga Falls, O.
Elkhart Rubber Works, Elkhart, Ind.
Empire Tire & Rubber Corp., Trenton, N. J.
Essex Rubber Co., Trenton, N. J.
Federal Rubber Co., The, Cudahy, Wis.
Fort Worth Well Machy. & Supply Co., Fort Worth, Tex.
Goodall Rubber Co., Inc., 8th & Locust, Phila., Pa.
Goodrich B. F. Rubber Co., Akron, O.
Goodyear Tire & Rubber Co., Akron, O.
Gutta Percha & Rubber Mfg. Co., 350 Madison av, New York
Hamilton Rubber Mfg. Co., Trenton, N. J.
Hewitt Rubber Co., Buffalo, N. Y.
Home Rubber Co., Trenton, N. J.
Indiana Rubber & Insulated Wire Co., P. O. Box 192, Jonesboro, Ind.
Jenkins Bros., 80 White, New York
See adv index at end of book
Keystone Rubber Mfg. Co., Erie, Pa.
Laurel Co., Garfield, N. J.
Long-Turney Corp., 1920 E Vernon, Los Angeles, Cal.
Macan-Heller Co., Easton, Pa.
Manhattan Rubber Mfg. Co., Passaic, N. J.
Mechanical Rubber Co., 1790 B'way, New York
Miller Rubber Co., Akron, O.
Mulconroy Co., 54th & Jefferson, Phila., Pa.
National India Rubber Co., Bristol, R. I.
New Jersey Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
New York Belting & Packing Co., 91 Chambers, New York
Norwalk Mfg. Co., E. Norwalk, Conn.
Ohio Rubber Co., 725 St. Clair, Cleveland, Ohio
Pennsylvania Rubber Co., Jeannette, Pa.
Petley Ruber Mfg. Co., 247 Oregon, Milwauke, Wis.
Quaker City Rubber Co., 672 Market, Phila., Pa. *See adv index at end of book*
Republic Rubber Co., Youngstown, O.
Revere Rubber Co., Chelsea, Mass.
Rubber Products Co., Barberton, O.
Rubber Products Corp., Dept H, Shelton, Conn.
Rubber Stopple Co., West av, Long Island City, N. Y.
Schacht Rubber Mfg. Co., Huntington, Ind.
Scott, Sugden & Lamon (Water, Air, Steam, Hose, Packing), Monadnock bldg, San Francisco, Cal.
Sehnerts Inc. ("Caddo Special"), Shreveport, La.
Smyth Rubber & Packing Co., 512 Mercer, Jersey City, N. J.
Snyder M. L. & Son, 223 Church, Phila., Pa.
Southern Rubber & Belting Co., Houston, Tex.
United & Globe Rubber Co., Trenton, N. J.
U. S. RUBBER CO., 1790 B'way, New York
See adv index at end of book
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
West American Rubber Co., 400 N av 19, Los Angeles, Cal.
Western Rubber Co., Goshen, Ind.
Whitehead Bros. Rubber Co., Trenton, N. J.
Wolverine Brass Works, Grand Rapids, Mich.
Woven Steel Hose & Rubber Co., Trenton, N. J.

12786—Rubber Goods (Moulded)

Acme Rubber Mfg. Co., Trenton, N. J.
Ajax Rubber Co., 220 W 57th, New York
Anderson Rubber Works, Anderson, Ind.
Angelus Heel & Rubber Co., 1417 N Main, Los Angeles, Cal.
Atlantic Rubber Co., 755 Boylston, Boston, Mass.
Bakelite Corp. (Substitute), 247 Park av, New York
See adv index at end of book
Batavia Rubber Co., Batavia, N. Y.
Boston Belting Corp., 84 Linden Park, Boston, Mass.
Boston Woven Hose & Rubber Co., Cambridge, Mass.
Canfield H. O. Co., 191 Housatonic av, Bridgeport, Conn.
Canfield Rubber Co., 708 Railroad av, Bridgeport, Conn.
Canfield Rubber Co., Bridgeport, Conn.
Cigol-Behrens Rubber Co., Lodi, N. J.
Cincinnati Rubber Mfg. Co., Cincinnati, Ohio
Clifton Mfg. Co., 65 Brookside av, Jamaica Plain, Boston, Mass.
Continental Rubber Works, Erie, Pa.
Curtis Tire & Rubber Co. (Hard & Soft), Muskegon, Mich.
Davidson Rubber Co., Boston, Mass.
Davol Rubber Co., 69 Point, Providence, R. I.
Elkhart Rubber Works, Elkhart, Ind.
Empire Tire & Rubber Corp., Trenton, N. J.
Essex Rubber Co., Trenton, N. J.
Faultless Rubber Co., Ashland, O.
Federal Rubber Co., The (Soft), Cudahy, Wis.
Goodrich B. F. Rubber Co., Akron, O.
Goodyear Tire & Rubber Co., Akron, O.
Gutta Percha Rubber & Mfg. Co., 350 Madison av, New York
Hamilton Rubber Mfg. Co., Trenton, N. J.
Hodgman Rubber Co., 25 W 43rd, New York

(Continued on following page)

Rubber Goods (Moulded)—Cont.

Home Rubber Co., Trenton, N. J.
Indiana Rubber & Insulated Wire Co., P. O. Box 192, Jonesboro, Ind.
Laurel Co., Garfield, N. J.
Long-Turney Corp., 1920 E Vernon, Los Angeles, Cal.
McTernen Rubber Mfg. Co., Reading, Mass.
Manhattan Rubber Mfg. Co., Passaic, N. J.
Mercer Rubber Co., Hamilton Sq., N. J.
Miller Rubber Co., Akron, O.
National India Rubber Co., Bristol, R. I.
Ohio Rubber Co., 725 St. Clair, Cleveland, Ohio
Parker-Stearns & Co., 286 Sheffield av, Brooklyn, N. Y.
Pennsylvania Rubber Co., Jeannette, Pa.
Plymouth Rubber Co., Canton, Mass.
Quabaug Rubber Co., North Brookfield, Mass.
Quaker City Rubber Co., 672 Market Phila., Pa. *See adv index at end of book*
Rubber Products Co., Barberton, Ohio
Rubber Stopple Co., West av, Long Island City, N. Y.
Schacht Rubber Mfg. Co., Huntington, Ind.
Seamless Rubber Co., Hallock av, New Haven, Conn.
Tyer Rubber Co., Andover, Mass.
U. S. RUBBER CO., 1790 B'way, New York *See adv index at end of book*
Waterbury Button Corporation, 831 South Main, Waterbury, Conn. *See adv index at end of book*
West American Rubber Co., 400 N av 19, Los Angeles, Cal.
Western Rubber Co., Goshen, Ind.
Whitehead Bros. Rubber Co., Trenton, N. J.
Wolverine Brass Works, Grand Rapids, Mich.

12787— Rubber (Hard)

American Hard Rubber Co., 9 Mercer, New York
Boonton Rubber Mfg. Co., Boonton, N. J.
Davidson Rubber Co. (Drug, Dental & Surgical, etc), Boston, Mass.
Davol Rubber Co., 69 Point, Providence, R. I.
Day H. P. & E., Seymour, Conn.
Diamond Rubber Co., Akron, Ohio
Elkhart Rubber Works, Elkhart, Ind.
Goodrich B. F. Rubber Co., Akron, O.
Goodyear Rubber Co. (Pacific Coast Agents for American Hard Rubber Co.), 539 Mission, San Francisco, Cal.
Home Rubber Co., Trenton, N. J.
India Rubber Co., New Brunswick, N. J.
Long-Turney Corp., 1920 E Vernon, Los Angeles, Cal.
Luzerne Rubber Co., Trenton, N. J.
Stokes Jos. Rubber Co., Trenton, N. J.
Tyer Rubber Co., Andover, Mass.
U. S. RUBBER CO., 1790 B'way, New York *See adv index at end of book*
Vulcanized Rubber Co., 251 4th av, New York
Waterbury Button Corporation, 831 South Main, Waterbury, Conn. *See adv index at end of book*

12788—Rubber Horse Shoe Pads

Combination Rubber Mfg. Co., Bloomfield, N. J.
Dryden Rubber Co., 1014 S Kildare av, Chicago, Ill.
Essex Rubber Co., Trenton, N. J.
Federal Rubber Co., The, Cudahy, Wis.
Firestone Tire & Rubber Co. ("Lily," "Jewel," "Windsor," "Russell," "Eagle," "Belmont," "Firestone," "Winter"), Akron, O.
Goodrich B. F. Rubber Co., Akron, O.
Judsen Carl A. ("Judsen," Canvas & Leather Bark), 4107 W Kinzie, Chicago, Ill.
Killion Rubber Co., 26 Clayton, Boston, Mass.
Laurel Co., Garfield, N. J.
Manhattan Rubber Mfg. Co., Passaic, N. J.
Plymouth Rubber Co., Canton, Mass.
Revere Rubber Co. ("Calk," "Samson," "Ajax," "New Globe"), Chelsea, Mass.
Schacht Rubber Mfg. Co., Huntington, Ind.
Sterling Tire Corp. ("Sterling"), Rutherford, N. J.
Western Rubber Co., Goshen, Ind.

12789—Rubber Ice Bags & Caps

Baumann Rubber Co., 494 Congress, New Haven, Conn.
Canton Rubber Co., 211 7th S E, Canton, O.
Davidson Rubber Co., Boston, Mass.
Davol Rubber Co., 69 Point, Providence, R. I.
Faultless Rubber Co., Ashland, O.
Goodrich B. F. Rubber Co., Akron, O.
Miller Rubber Co., Akron, O.
National India Rubber Co., Bristol, R. I.
Parker-Stearns & Co. ("Alpha"), 286 Sheffield av, Brooklyn, N. Y.
Rubber Products Co., Barberton, O.
Seamless Rubber Co., Hallock av, New Haven, Conn.
Tyer Rubber Co., Andover, Mass.

12790— Rubber (Mineral)

Barber Asphalt Co. ("Genasco"), Land Title bldg., Phila., Pa.
Canfield Co. ("Elateron"), 3210 E 55th, Cleveland, O.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio *See adv index at end of book*
Standard Asphalt & Rubber Co., ("Sarco"), 208 S La Salle, Chicago, Ill.
Vaiderbilt R. T. Co. ("Super Sulphur"), 52 E 42nd, New York

12791—Rubber Packers & Rings

Elkhart Rubber Works, Elkhart, Ind.
Empire Tire & Rubber Corp., Trenton, N. J.
Goodrich B. F. Rubber Co. (For Oil & Gas Wells), Akron, O.
Gutta Percha & Rubber Mfg. Co., 350 Madison av, New York
Home Rubber Co., Trenton, N. J.
Pennsylvania Rubber Co., Jeannette, Pa.
Smyth Rubber & Packing Co, 512 Mercer, Jersey City, N. J.

Rubber Packing

See Packing Manufacturers

12792— Rubber (Reclaimed)

Appleton F. H. Son, 1572 Beacon, Boston, Mass.
Askam Rubber Co., Milford, Conn.
Bloomingdale Rubber Co., 501 5th av, New York. Works: Butler, N. J.
Boonton Rubber Co. (For Hard Rubber Compounds), Boonton, N. J.
Boston Woven Hose & Rubber Co., Cambridge, Mass.
Clapp E. H. Rubber Co., 211 Congress, Boston, Mass.
Electric Rubber Reclaiming Co., Barbertown, Ohio
Housatonic Rubber Works, 645 Knolton, Bridgeport, Conn.
Manufactured Rubber Co. ("Lafayette," "Wm. Penn," "Star"), Franklin Bank bldg, Phila., Pa. Works: Metuchen, N. J.
Monatiquot Rubber Works Co. ("Monatiquot," "Squantum"), S Braintree, Mass.
Nearpara Rubber Co. ("Hudson," "Potomac," "Potomac A," "Merrimac," "Delaware," "St. Lawrence"), Trenton, N. J.
New Jersey Rubber Co., Lambertville N J
Pequanoc Rubber Co., Butler, N. J.
Philadelphia Rubber Works, Land Title bldg, Phila., Pa.
Raymond Rubber Co., Titusville, N. J.
Rubber Regenerating Co., Mishawaka, Ind.
Somerset Rubber Reclaiming Works, New Brunswick, N. J.
Stockton Rubber Co., Stockton, N. J.
U. S. Rubber Co., 1760 B'way, New York (Reclaiming Plant, Naugatuck, Conn.) *See adv index at end of book*
U. S. Rubber Reclaiming Co. ("Buffalo," "Genesee," "Hudson," "Iroquois," "Mohawk," "Superior," "Tioga," "White Buffalo," "Arrowhead," Matchless," "Seneca," "Insula," "Victoria," "Niagara"), 100 E 42nd, New York

12793—Rubber Rods & Sheets

Anderson Rubber Works (Sheets Only), Anderson, Ind.
Continental Rubber Works, Erie, Pa.
Empire Tire & Rubber Corp., Trenton, N. J.
Goodrich B. F. Rubber Co., Akron, O.
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
India Rubber Co., New Brunswick, N. J.
Smyth Rubber & Packing Co., 512 Mercer, Jersey City, N. J.
Stokes Joseph Rubber Co., Trenton, N. J.
Vulcanized Rubber Co. (Hand), 251 4th av, New York
Whitehead Bros. Rubber Co. (Pure Sheet Only), Trenton, N. J.

12794— Rubber Saw Bands

Boston Belting Corp., 84 Linden Park, Boston, Mass.
Cincinnati Rubber Mfg. Co., Norwood, Cincinnati, Ohio
Combination Rubber Mfg. Co., Bloomfield, N. J.
Continental Rubber Works, Erie, Pa.
Empire Tire & Rubber Corp., Trenton, N. J.
Gutta Percha & Rubber Mfg. Co., 350 Madison av, New York
Home Rubber Co., Trenton, N. J.
Huther Bros Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Pennsylvania Rubber Co., Jeannette, Pa.
Quaker City Rubber Co., 672 Market, Phila., Pa. *See adv index at end of book*
Schacht Rubber Mfg. Co., Huntington, Ind.

Rubber Scrap

See Scrap Rubber

12794a—Rubber Specialties (Hard)

U. S. Rubber Co., 1790 B'way, New York *See adv index at end of book*

12795—Rubber Stamp Makers' Supplies

Dorman J. F. W. Co., 526 N Calvert, Baltimore, Md.
Superior Type Co., 3040 Ravenswood av, Chicago, Ill.
Smith R. M. Mfg. Co., Springfield, Mass.

12796— Rubber Substitutes

Ashley, T. C. & Co. (White), Atlantic
BAKELITE CORP. (Possessing properties superior to rubber), 247 Park av, New York *See adv index at end of book*
Carter-Bell Mfg. Co. (Black & White), 150 Nassau, New York
Corn Products Refining Co. ("Paragol" Black), 17 Battery pl, New York
Essenkay Products Co., Superior & Franklin, Chicago, O.
Mitchell-Rand Mfg. Co., 26 Vesey, New York
Pierce Co. ("Vorite"), East Rochester, N. Y.
Scheel Wm. H. (Imported), 179 Water, New York
Smith Alfred, Ltd., 98 Park pl., New York
Spirittine Chemical Co. ("Spirittine"), Wilmington, N. C.
Stamford Rubber Supply Co. ("Stamford"), Stamford, Conn.
Standard Asphalt & Rubber Co., 208 S La Salle, Chicago, Ill.
Sterling Mfg. Co., Gloucester, Mass.
Synthetic Products Co. (Liquid), Engineers bldg., Cleveland, Ohio
T. M. & B. Chemical Co., 500 1st, South Boston, Mass.
Tyson Bros. Co., Woodbridge, N. J.
Uhlich Paul & Co. (Imp.), 11 Cliff, New York
Viscol Co., Cambridge, Mass.

12797—Rubber Suits (Pneumatic Pressure)

Goodrich B. F. Co. ("Dr. George W. Grile Patent"), Akron, O.

Rubber Window Cleaners

See Cleaners, Window

12798— Rubbers (Fruit Jar)

Ball Bros. Glass Mfg. Company ("Ball Perfect Seal"), Muncie, Ind.
Boston Woven Hose & Rubber Co. ("Good Luck," also Special Rings for All Styles of Jars), Cambridge, Mass.
Empire Tire & Rubber Corp. ("Tulip"), Trenton, N. J.
Goodrich B. F. Rubber Co., Akron, O.
Hamilton Rubber Mfg. Co., Trenton, N. J.
Manhattan Rubber Mfg. Co., Passaic, N. J.
Mercer Rubber Co., Hamilton Sq., N. J.
Rubber Products Co., Barberton, O.
U. S. Rubber Co., 1790 Broadway, New York *See adv index at end of book*

12799—Rubbers (Sling Shot)

Davol Rubber Co., 69 Point, Providence, R. I.

12800—Rubbing Beds (Stone, Slate, Etc.)

Birmingham Iron Foundry (For Marble, Stone, Slate, Brick & Terra Cotta), Derby, Conn.
Flory S. Mfg. Co., Bangor, Pa. *See adv index at end of book*
Flynn & Emrich Co. (Stone), 305 N Holliday, Baltimore, Md.
Fuller-Lehigh Co., Fullerton, Pa. *See adv index at end of book*
Glover Machine Works (For Marble), Marietta, Ga.
Lincoln Iron Works, Rutland, Vt.
New Albany Machine Mfg. Co., New Albany, Ind.
Patch F. R. Mfg. Co., Rutland, Vt.
Treadwell Engineering Co., Easton, Pa. *See adv index at end of book*

TREADWELL ENGINEERING CO
"RUBBING BEDS"
Platen or Complete Installations
EASTON PA

12800a—*Rudders (Brass & Galvanized Steel)

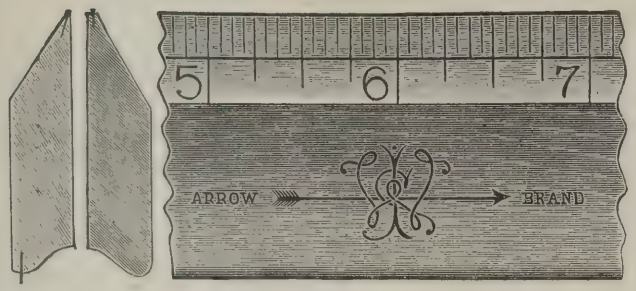
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
McNab Co. ("Kitchen" Reversing), Bridgeport, Conn.

12801—Rudders (Galvanized Iron)

Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Wilcox, Crittenden & Co., Inc. ("Brass"), Middletown, Conn. *See adv index at end of book*

WESTCOTT RULE COMPANY, Inc.

SENECA FALLS, N. Y.



Manufacturers of

Strateline and Arrow Brand School and Office Rulers

Fine Advertising Rulers, Yardsticks, Gasoline Gauges and special wood gauges for oil and gasoline tanks.

12802— Rugs (Automobile)

Curtis & Von Bernuth Mfg. Co., 88 W B'way, New York
Wild Joseph & Co., 230 5th av, New York

12803— Rugs (Congoleum)

Congoleum Co. ("Gold Seal"), Morris bldg., Phila., Pa.

12804— Rugs (Steamer)

Pontoosuc Woolen Mfg. Co., Pittsfield Mass.
Riley Wm. B. & Co., 238 Chestnut, Phila. Pa.

12805—Rule (Perforating, Cutting & Creasing)

Helmold J. F. & Bro. (Steel, "Eureka," "Hercules"), 1462 Hamburg, Chicago, Ill.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.

12805a—Rulers (Advertising, Wood)

See also Advertising Novelties

Am. Mfg. Co., Dept H, Falconer, **N. Y.**
BOGERT & HOPPER INC., 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Master Rule Mfg. Co. Inc., 841 E 136th, New York
Seneca Falls Rule & Block Co., Dept H, Seneca Falls, N. Y.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Up-to-Date Advertising Co. ("Kanisteo"), Canisteo, N. Y.
WESTCOTT RULE CO., Seneca Falls, N. Y. *See adv index at end of book*

12806—Rulers (Hard Rubber)

American Hard Rubber Co., 9 Mercer, New York

12807—Rulers (School & Desk)

American Mfg. Concern, Falconer, N. Y.
Am. Rule & Block Co., Menominee, **Mich.**
Bliss Mfg. Co., Bliss, N. Y.
Bogert & Hopper Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons (Wooden), 364 5th av, New York. *See adv index at end of book*
Kimpton Ed. Co., 18 Cliff, New York
Lucas-Tuttle Mfg. Co., Silver Springs, N. Y.
Seneca Falls Rule & Block Co., Dept H, Seneca Falls, N. Y.
Up-to-Date Advertising Co. ("Kanisteo"), Canisteo, N. Y.
Westcott Rule Co., Seneca Falls, N. Y. *See adv index at end of book*

12808— Rules

Athol Mach. & Foundry Co. ("Standard" Steel), Athol, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
Chapin-Stephens Co. ("Pearce" Box Wood, Ivory, Combination, Slope Level, Try Square & Miscellaneous, etc), Pine Meadow, Conn.
Elliott B. K. Co., 126 6th, Pittsburgh, Pa.
Forsyth Metal Goods Co. (Metal), E. Aurora, N. Y.
Goodell-Pratt Co. (Steel), Greenfield, Mass.
Irving Mfg. & Tool Co. ("Axiom"), 157 Chambers, New York
Johnson E. P. Rule Mfg. Co., 565 Wash. blvd, Chicago, Ill.
Kerby & Bro., 51 Fulton, New York
Keuffel & Esser Co., Hoboken, N. J.
Lufkin Rule Co., Saginaw, Mich.
Master Rule Mfg. Co., Inc. ("Interlox" Master Slide Rule), 841 E 136th, New York
Napier-Browning Co. (Celluloid), 105 W 40th, New York
Rustless Rule Co. Inc. ("Rustless" Aluminum), Lafayette & Niagara, Buffalo, N. Y.
Sawyer Tool Mfg. Co., Ashburnham, Mass.
Stanley Rule & Level Plant ("Victor," Boxwood, "Ziz Zag," "Stanley," Ivory), New Britain, Conn.
Starrett L. S. Co., Athol, Mass.
WESTCOTT RULE CO., Seneca Falls, N. Y. *See adv index at end of book*

12809— Rules (Aluminum)

Aluminum Goods Mfg. Co. (Pocket, etc), Manitowoc, Wis.
Rustless Rule Co., Inc., Lafayette & Niagara, Buffalo, N. Y.
Stanley Rule & Level Plant ("Zig Zag"), New Britain, Conn.

12810— Rules (Blacksmiths')

Starrett L. S. Co., Athol, Mass.

12811— Rules (Caliper)

See Also Calipers

Brown & Sharpe Mfg. Co., Providence, R. I.
Chapin-Stephens Co. (Boxwood), Pine Meadow, Conn.
Ernst Montrose, 149 Church, New York
Lufkin Rule Co., Saginaw, Mich.
Master Rule Mfg. Co., 841 E 136th, New York
Rustless Rule Co. Inc., Lafayette & Niagara, Buffalo, N. Y.
Stanley Rule & Level Co. (Boxwood, Ivory, etc.), New Britain, Conn.
Starrett L. S. Co. (Slide, etc.), Athol, Mass.

12812— Rules (Desk)

Bogert & Hopper Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Starrett L. S. Co., Athol, Mass.
Up-to-Date Advertising Co. ("Kanisteo," "Boxwoodene"), Canisteo, N. Y.

12813— Rules (Extension)

Keuffel & Esser Co., Hoboken, N. J.
Lufkin Rule Co., Saginaw, Mich.
Master Rule Mfg. Co., Inc., 841 E 136th, New York
Stanley Rule & Level Plant, New Britain, Conn.

12814— Rules (Folding)

Am. Rule Mfg. Co., 486 Johnson av, Brooklyn, N. Y.
Keuffel & Esser Co., Hoboken, N. J.
Lufkin Rule Co. (Flexible Wood; Spring Joint), Saginaw, Mich.
Master Rule Mfg. Co. Inc. ("Master"), 841 E 136th, New York
Rustless Rule Co. Inc. ("Rustless" Aluminum), Lafayette & Niagara, Buffalo, N. Y.
Strauss Adolph & Co. ("Lion"), 1140 Broadway, New York
Weber Co., F., 1220 Buttonwood, Philadelphia, Pa.
WESTCOTT RULE CO., Seneca Falls, N. Y. *See adv index at end of book*

12815—Rules (Folding Boxwood)

Lufkin Rule Co., Saginaw, Mich.
Weber Co., F., 1220 Buttonwood, Philadelphia, Pa.

12816—Rules (Glass Cutters')

Kerby & Bro., 51 Fulton, New York
Lufkin Rule Co., Saginaw, Mich.
WESTCOTT RULE CO., Seneca Falls, N. Y. *See adv index at end of book*

12817— Rules (Key Seat)

Brown & Sharpe Mfg. Co., Providence, R. I.
Sawyer Tool Mfg. Co., Ashburnham, Mass.
Starrett L. S. Co., Athol, Mass.

12818—Rules (Lumberman's)

Am. Rule Mfg. Co., 486 Johnson av, Brooklyn, N. Y.
Chapin-Stephens Co. (Log Sticks, etc), Pine Meadow, Conn.
Cleveland Rule Co., 2190 W 59th, Cleveland, O.
Lufkin Rule Co., Saginaw, Mich.
Master Rule Mfg. Co. Inc. (Sliding & Folding Only), 841 E 136th, New York
Ransome Concrete Machinery Co. (Hickory), Dunellen, N. J.
Smith & Phillips Mfg. Co. ("Ideal" Hickory Stick Steel Head), 30 N Jefferson, Chicago, Ill.

12819—Rules (Machine, Divided Steel)

Lufkin Rule Co., Saginaw, Mich.

.2820— Rules (Machinists')

Athol Mach. & Foundry Co., Athol, Mass
Brown & Sharpe Mfg. Co., Providence, R. I.
Johnson E. P. Rule Mfg. Co., 565 Washington blvd., Chicago, Ill.
Lufkin Rule Co., Saginaw, Mich.
Master Rule Mfg. Co. Inc., 841 E 136th, New York
Rustless Rule Co. Inc. ("Rustless" Aluminum), Lafayette & Niagara, Buffalo, N. J.
Sawyer Tool Mfg. Co., Ashburnham, Mass.
Southington Hdwe. Co., Southington, Conn.
Starrett L. S. Co., Athol, Mass.

12821— Rules (Plumb)

Worden L. B., Penn Yan, N. Y.

12822— Rules (Pocket)

Lufkin Rule Co., Saginaw, Mich.
Master Rule Mfg. Co. Inc., 841 E 136th New York
Rustless Rule Co. Inc., Lafayette & Niagara, Buffalo, N. Y.
Starrett L. S. Co. (Steel Folding), Athol, Mass.
Weber Co., F., 1220 Buttonwood, Philadelphia, Pa.
WESTCOTT RULE CO., Seneca Falls, N. Y. *See adv index at end of book*

12823—Rules (Printers' Brass)

American Brass Co., Waterbury, Conn. *For branch offices see adv index at end of book*
Bullock Mfg. Associates (& Steel), Springfield, Mass.

12823a—Rules (Printers' Make-Up)

Bullock Mfg. Associates, Springfield, Mass.
Eagle Engineering Co. ("Star"), Springfield, O.
WESTCOTT RULE CO., Seneca Falls, N. Y. *See adv index at end of book*
Zimmer Mfg. Co., 59 Beekman, New York

12824—Rules (Scale & Shrinkage)

Brown & Sharpe Mfg. Co., Providence, R. I.
Kueffel & Esser Co., Hoboken, N. J.
Lufkin Rule Co., Saginaw, Mich.
Stanley Rule & Level Plant, New Britain, Conn.
Starrett L. S. Co. (Shrinkage Only), Athol, Mass.
WESTCOTT RULE CO., Seneca Falls, N. Y. *See adv index at end of book*

12825— Rules (Slide)

Computer Mfg. Co., 340H Sansome, San Francisco, Cal.
Gilson Slide Rule Co., Niles, Mich.
Keuffel & Esser Co., Hoboken, N. J.
Master Rule Mfg. Co. Inc., 841 E 136th St. New York
Richardson Geo. W. ("Richardson" Direct Reading, "Winslow" Strength Computing), 4212 W 24th pl, Chicago, Ill.
Starrett L. S. Co., Athol, Mass.
Union Tool Co., Orange, Mass.
Weber Co., F., 1220 Buttonwood, Philadelphia, Pa.

12826— Rules (Steel)

Brown & Sharpe Mfg. Co., Providence, R. I.
Ernst, Montrose, 149 Church, New York
Forsyth Metal Goods Co., E. Aurora, N. Y.
Keuffel & Esser Co., Hoboken, N. J.
Lufkin Rule Co., Saginaw, Mich.
Nicholls Mfg. Co. (Framing), Ottumwa, Ia.
Sawyer Tool Mfg. Co., Ashburnham, Mass.
Starrett L. S. Co., Athol, Mass.
Union Tool Co. (& Slide), Orange, Mass.
Weber Co., F., 1220 Buttonwood, Philadelphia, Pa.
Wellman Products Co. (Steel Shrink Rules), 1444 E 49th, Cleveland, O.

12827—Rules (Steel, Metric)

Brown & Sharpe Mfg. Co., Providence, R. I.
Ernst, Montrose, 149 Church, New York
Goodell-Pratt Co., Greenfield, Mass.
Lufkin Rule Co., Saginaw, Mich.
Master Rule Mfg. Co., Inc., 841 E. 136th, New York
Rustless Rule Co. Inc. (Aluminum), Lafayette & Niagara, Buffalo, N. Y.
Sawyer Tool Mfg. Co., Ashburnham, Mass.
Starrett L. S. Co., Athol, Mass.
Weber Co., F., 1220 Buttonwood, Philadelphia, Pa.

12828— Rules (Tinners')

Lufkin Rule Co., Saginaw, Mich.
Peck, Stow & Wilcox Co., Southington, Conn.
Rustless Rule Co. Inc. ("Rustless" Aluminum), Lafayette & Niagara, Buffalo, N. Y.

12829— Rungs (Ladder)

Estes E. B. & Sons (Also Chair), 364 5th av, New York
See adv index at end of book
Merrill Bros. (Steel), 3 Arnold, Maspeth (Boro of Queens), N. Y.
See adv index at end of book
Minton T. W. & Son, Barbourville, Ky.
Oliver Iron & Steel Co. (Steel), S 10th & Muriel, Pittsburgh, Pa.
New Britain Machine Co. ("New Britain"), 190 Chestnut, New Britain, Conn.
Rugg Mfg. Co. (White Ash), Greenfield, Mass.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book

12830— Runners (Joint)

Bernz Co., Inc., Otto, 17 Ashland, Newark, N. J.
Johns-Manville Inc. (Lead), Madison av & 41st, New York
Vanderman Mfg. Co. ("Asbestos Lead"), Willimantic, Conn.
Walworth Mfg. Co., Boston, Mass.
Wilkins Geo. H. ("Wilkins" Lead), 180 N Market, Chicago, Ill.
Wolverine Brass Works, Grand Rapids, Mich.

12831— Runners (Sled)

Barber Mfg. Co., Ashtabula, O

12832—Running Boards (Automobile)

Bossert Corp. (The), cor. Linden & West av, Utica, N. Y.
Clayton & Lambert Mfg. Co., 10565 Knodell av, Detroit, Mich.
Commercial Shearing & Stamping Co., Youngstown, Ohio
Continental Rubber Works ("Vitalic"), 19th & Liberty, Erie, Pa.
Douglas & Lomason Co., 5836 Lincoln av, Detroit, Mich.
Edwards Mfg. Co., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
Erdle Perforating Co. (Pressed Steel for Autos, Trucks, etc.), 171 York, Rochester, N. Y.
See adv index at end of book
Fiat Metal Mfg. Co., 223 W Huron, Chicago, Ill.
Hotchkiss Steel Products Co., Inc. (Pressed Steel), Binghamton, N. Y.
Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cincinnati, Ohio
Lawson F. H. Co. (for Fords), Evans & Whateley, Cincinnati, O.
Morrison Steel Products Inc., 26 E North, Buffalo, N. Y.
Pettis W. W. Co., 416 First Natl. Bank bldg, Cincinnati, O.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Rochester Pressed Steel Co., Rochester, N. Y.
Western Steel Car & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.

12833— Runs (Ice)

Gifford-Wood Co. (Wood or Iron) Hudson, N. Y.
Gruman Ice Tool Works, Branchville, Conn.

Runways (Crane)

See Cranes Runway

12833a— Runways (Poultry)

Buffalo Wire Works Co., 320 Terrace, Buffalo, N. Y. *See adv index at end of book*

12834— Rust Preventives

Am. Chemical Paint Co. ("Deoxidine" Metal Testing & Rust Proofing), Liberty bldg, Phila., Pa.
American Chemical & Mfg. Co. ("Hippo" Oil), Cranford, N. J.
American Rust Proof Co. ("Vatudrip"), 8 W 40th, New York
Arnold N. B. ("Silkuys Kant-Rust"), 1 Sigourney, Brooklyn, N. Y.
Atlantic Refining Co., 260 S Broad, Phila., Pa.
Dearborn Chemical Company ("No-Ox-Id"), 310 S Michigan av, Chicago, Ill.
Houghton E. F. & Co. ("Cosmic" & White Slushing Oil), 240 W Somerset, Phila., Pa.
NEVER RUST MFG. CO., 30 Church, New York
Oakley Chemical Co. ("Oakite"), 22 Thames, New York
Pecora Paint Co., 4th & Sedgley av, Phila., Pa.
Remington Arms Company Inc. (Rust Remover for Guns, Revolvers & Pistols), 233 B'way, New York
Sonneborn L. Sons ("Amalie"), 114 5th av, New York
Texas Company, The, Dept. D, 17 Battery pl, New York
See adv index at end of book

12835— Rust-Proofing

Am. Chemical Paint Co. ("Deoxidine"), Liberty bldg, Phila., Pa.
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
NEVER RUST MFG. CO., 30 Church, New York
Parker Rust Proof Co., 2177 E Milwaukee, Detroit, Mich.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book

12835a— *Rust Remover

Frasse Peter A. & Co. Inc. ("Meno"), 417 Canal, New York
ROTAX MFG. CO. ("Rotax Nil-Rust"), 171 Broadway, New York, and 24 Bathgate pl, Newark, N. J.

12836— Rustic Woodwork

North Shore Ferneries Co. (Furniture), Beverly, Mass.

12836a— Ruthenium

Baker & Co., 54 Austin, Newark, N. J.
Bishop J. & Co, Platinum Works, Malvern, Pa.
Foote Mineral Co., Inc., Phila., Pa.

12837— Rutile

Am. Rutile Co., 622 F, NW, Washington, D. C.
Drakenfeld B. F. & Co., Inc. (Sales Agts.), 50 Murray, New York
Foote Mineral Co. (Imp.), 109 N 19th, Phila., Pa.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book

12838— Saccharine

Innis, Speiden & Co., Inc., 46 Cliff, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park pl, New York
Monsanto Chemical Works, E. St. Louis Plant, St. Louis, Mo.
RIDDLE CHEMICAL CO. (Soluble, Insoluble), 35 S Dearborn, Chicago
See adv index at end of book
Seydel Chemical Co., 120 B'way, New York
Vitro Manfg. Co., H, Bessemer bldg., Pittsburgh, Pa.

12839-40-1—Saccharometers

Eimer & Amend (Impt.), 205 E 18th, New York
Holz Herman A., 16 Madison av, New York
Phila. Thermometer Co., 9th & Arch., Phila., Pa.
Tagliabue Chas. J. Mfg. Co., 18 33d, Brooklyn, N. Y.
Wagner Carl H., 1944 N Albany av, Chicago, Ill.

Sacks (Cotton)

See Bags & Bagging

12842— Sacks (Ore)

Colorado Tent & Awning Co., ("Boss"), 1642 Lawrence, Denver, Colo.
Denver Tent & Awning Co., 1647 Arapahoe, Denver, Colo.
Hoegee Wm. H. Co., Los Angeles, Cal.

Sacks (Paper, Cement & Flour)

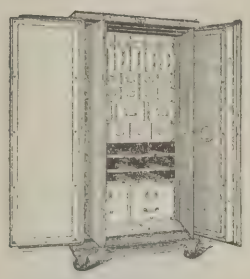
See Bags, Paper, With the Word Cement, etc., Following Their Name

12843— Sad Irons

Alperin H. J. Co. ("Alpine" Electric), 720 Euclid av, Cleveland, O.
American Electrical Heater Co. ("American Beauty"), 6125 Woodward, Detroit, Mich.
American Foundry & Mfg. Co. ("Potts" & Common), 11th & Hebert, St. Louis, Mo.
American Pressing Iron Co. ("Frugal" Gas), 145 W 18th, New York
Beach-Russ Co. (Gas), 38 Church, New York *See adv index at end of book*
Behrstock L. (Electric), 763 W Van Buren, Chicago, Ill.
Biess & Drake ("Mrs. Potts" Cold-Handle, Self-Heating Charcoal; also "Perfect" Gas), 175 N. J. RR av, Newark, N. J.
Central Flatiron Mfg. Co., Inc. "Fairy Queen," "Duo Point," "Stewart" Gas Heated), Johnson City, N. Y.
Chattanooga Implement & Mfg. Co. (Common Pressing, Tailors' & Charcoal), Office E C, Chattanooga, Tenn.
Chicago Hardware Foundry Co. ("Harper" Asbestos Lined), 546 W Washington, N Chicago, Ill.
Colebrookdale Iron Co. ("Mrs. Potts," "Sensible," Chinese Shirt Waist & Laundry, Shield "C" "Sensible" & Shield "C" Tailors), Pottstown, Pa.
Crane Wm. M. Co. ("Vulcan" Gas), 16 W 32d, New York
Deshler Fdry. & Mach. Wks., Deshler, O.
Dover Mfg. Co. (Asbestos), Dover, O.
Edison Electric Appliance Co., Inc. (Hotpoint Division), ("Pacific"), 5600 W Taylor, Chicago, Ill.
Enterprise Hardware Mfg. Co., Frederick, Md.
Enterprise Mfg. Co. ("Enterprise"), Dept. H, 3rd & Dauphin, Phila., Pa.
Genessee Valley Mfg. Co., Mount Morris, N. Y.
Gray Iron Foundry Co. ("Dainty Maid" Shirtwaist Irons), Reading, Pa.
Gross Star Gas Iron Co. (Self-Heating, Gasoline), 763 W Van Buren, Chicago
Howell W. H. Co. (Cold Handle & Common; also "Star" Quality), Geneva, Ill.
Ideal Sad Iron Mfg. Co. ("Ideal" Gasoline Self-Heating), 211 High, Cleveland, O.
Illinois Iron & Bolt Co. (Revolving, also Tailors' Irons), Carpentersville, Ill.
Imperial Brass Mfg. Co. ("Imperial" Self Heating), 1200 W Harrison, Chicago, Ill.
King Stove & Range Co. (Common), Sheffield, Ala.
Landers, Frary & Clark, New Britain, Conn.
Lodge Mfg. Co., South Pittsburgh, Tenn.
Monitor Sad Iron Co. ("Monitor" Gasoline Self-Heating), Big Prairie, O.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Redtop Electric Co. ("Redtop"), 8 W 19th, New York
Rock Island Mfg. Co. ("Mrs. Potts" Pattern, also Gas), Rock Island, Ill.
Rosenbaum Mfg. Co. ("Uneedit," "Rose" Gas), 54 E 9th, New York
Royal Iron & Mfg. Co. ("Royal" Gas & Gasoline), Big Prairie, O.
Russell Electric Co. ("Hold-Heat"), 340 W Huron, Chicago, Ill.
Security Electric Mfg. Co. ("Security" Electric), 2635 Canton, Chicago, Ill.
Southern Skein & Foundry Co. ("So. Crescent," also Tailors' Irons), E Lake, Chattanooga, Tenn.
Stockwell & Co. (Gas), 229 N Holliday, Baltimore, Md.
Strause Gas Iron Co. ("Iwanta" Gas), 1425 Vine, Phila., Pa.
Sunshine Jasper Co. (Gas), 59 E 8th, New York
Thurnauer G. M. Co. (Nickel Plated Alcohol), 6 E 20th, New York
Tures Mfg. Co. ("Turz-Lite," "Peerless," Gasoline), 394 6th, Milwaukee, Wis.
Union Mfg. Co., Boyertown, Pa.
Williams A. C. Co., Ravenna, O.
Wrightsville Hardware Co. (Cold Handles, "Mrs. Best's" & "Troy Ladies' Pride"), Wrightsville, Pa.

12844— Sad Irons (Electric)

American Electrical Heater Co. ("American Beauty," "Little Beauty, "Quality" & Pressing Irons), Burroughs & Woodward, Detroit, Mich.



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Bless & Drake, 175 N. J. RR av, Newark, N. J.
Central Flatiron Mfg. Co. ("Betsy Ross"), 212 Grand av, Johnson City, N. Y.
CHICAGO FLEXIBLE SHAFT CO. ("Sunbeam"), 1150 S Central av, Chicago, Ill.
See adv index at end of book
Colebrookdale Iron Co. ("Colebrookdale"), Pottstown, Pa.
Dover Mfg. Co. ("A-Best-O"), Dover, O.
Edison Electric Appliance Co., Inc. (Hotpoint Div.), ("Pacific," "World's Best," "Utility," "Hotpoint"), 5600 W Taylor, Chicago, Ill
Electric Specialties Co., Benton. Harbor
Empire Transformer Co., 3819 N Ashland, Chicago, Ill.
Grosa Star Gas Iron Co, 12 N Market, Chicago, Ill.
Landers, Frary & Clark ("Thermax"), New Britain, Conn.
Langguth-Olson Co., 120 Liberty, New York
Manhattan Electrical Supply Co. ("Mesco"), 17 Park pl, New York
National Stamping & Electric Wks. ("Superior"), 424 S Clinton, Chicago, Ill.
Ohio Electric & Controller Co., 5900 Maurice av, Cleveland, O.
Pelouze Mfg. Co. ("Pelouze"), 232 E Ohio, Chicago, Ill.
Pfanstiehl Co., North Chicago, Ill.
Redtop Electric Co. ("Redtop"), 8 W 19th, New York
Rochester Stamping Co., Rochester, N. Y.
Rock Island Mfg. Co., Rock Island, Ill.
Russell Electric Co. ("Hold-Heet"), 340 W Huron, Chicago, Ill.
Rutenber Electric Co., Marion, Ind.
Satisfaction Guaranteed Corp. ("American Queen," "Two Point" & "Double Point"), 659 Fulton, Chicago, Ill.
Security Electric Mfg. Co. ("Security"), 2635 Canton, Chicago, Ill.
Simplex Electric Heating Co. ("Simplex"), Cambridge, Mass.
Sterling Mach. & Stamping Co., Wellington, O.
Vulcan Electric Heating Co., 107 W 13th, New York
Waage Elec. Co. ("Trip-l-Heat"), 5100 Ravenswood av, Chicago, Ill.
Westinghouse Electric Mfg. Co., E Pittsburgh, Pa. *See adv index at end of book*

Sad Irons (Gas)

See Firms in Sad Irons with the Word Gas Following Their Name

12845—Saddles (Bicycle & Motor Cycle)

Mesinger H. & F. Mfg. Co., 432 Austin pl, New York
Persons Majestic Mfg. Co. (Bicycle), 54-72 Commercial, Worcester, Mass.
Reading Saddle & Mfg. Co., Reading, Pa.
Superior Metal Products Co., Elyria, O.
Troxel Mfg. Co. (Also Motor Cycle), Elyria, Ohio

12845a—Saddles (Cross-Arm)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

12846— Saddles (Gig)

Arters A. Sons Co., Lisbon, O.
Standard Coach Pad Co., Wooster, O.

12847— Saddles (Pipe)

American Foundry & Mfg. Co., St. Louis, Mo.
AM. SPIRAL PIPE WORKS, Box 486, Chicago, Ill., & 50 Church, New York
See adv index at end of book
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Dayton Pipe Coupling Co. (For Pipe Mains, etc), Dayton, O.
Illinois Malleable Iron Co., 1801 Diversey blvd, Chicago, Ill.
See adv index at end of book
Kelly & Jones Co. (Cast & Malleable Iron), 135 Water, Pittsburgh, Pa.
See adv index at end of book
Larkin J. K. & Co., 252 Broadway, New York. *See adv index at end of book*
Mueller H. Mfg. Co., Decatur, Ill.
See adv index at end of book
Newbury Mfg. Co., Monroe, N. Y.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Skinner M. B. Co. ("Emergency"), 562 W Washington, Chicago, Ill.

Saddles (Riding)

See Harness Saddles & Strap Work Mfrs.

12848— Saddles (Tank)

Munroe R. & Sons Mfg. Corp., 23d & Smallman, Pittsburgh, Pa.

12849— Saddletrees

Claggett Saddletree Co., Jeffersonville, Ind.
Flor Edw., Demorest, Ga.
Hummel Geo. J. Saddletree Co., Madison, Ind.
Leisure & Van Bebber, 1506 MacAdam, Portland, Ore.
Sullivan J. S. Saddletree Co., Jefferson City, Mo.

12850-1—Safe Ends (Boiler Tube)

Bourne Fuller Co., Hanna bldg., Cleveland, O.
National Tube Co. ("Shelby" Seamless Steel), Frick bldg, Pittsburgh, Pa.

12851—Safes ("A" & "B" Label)

GENERAL FIREPROOFING CO. ("G. F. Allsteel"), 2308 Logan av, Youngstown, Ohio
See adv index at end of book

12852— Safes (Express Car)

DIEBOLD SAFE & LOCK CO., Canton, O.
See adv index at end of book
HALL'S SAFE CO., P O Box 846, Cincinnati, O.
See adv index at end of book
Herring-Hall-Marvin Safe Co., Hamilton, Ohio
Safe-Cabinet Co., Marietta, Ohio

12853— Safes (Filing)

Art Metal Constr. Co. ("Art Metal"), Jamestown, N. Y.
Baum J. Safe & Lock Co., 617 E Front, Cincinnati, Ohio
Davidson J. L. Co. (Special to Order), 644-48 Madeo, Los Angeles, Cal.
DIEBOLD SAFE & LOCK CO., Canton, O.
See adv index at end of book
GENERAL FIREPROOFING CO. (THE), 2308 Logan av, Youngstown, O.
See adv index at end of book
GLOBE-WERNICKE CO. (THE), 25 Carthage av, Cincinnati, Ohio
See adv index at end of book
Mellink Steel Safe Co. ("Mellink"), Toledo, Ohio
VAN DORN IRON WORKS CO. (THE), 2700 E 79th, Cleveland, Ohio
See adv index at end of book
Waltz Safe & Lock Co., 635 Mission, San Francisco, Cal.

12854—Safes (Fire & Burglar Proof)

American Safe Co., Anderson, Ind.
Barnes Safe & Lock Co., 941 Liberty av, Pittsburgh, Pa.
Barnes Safe & Vault Co., 1219 E Main, Richmond, Va.
Cary Safe Co., 1200 Niagara, Buffalo, N. Y.
DIEBOLD SAFE & LOCK CO., Canton, O
See adv index at end of book
General Fireproofing Co., Youngstown, O.
See adv index at end of book
Gross-Feibel Co., Hillsboro, O.
HALL'S SAFE CO. ("Hall's"), P. O. Box 846, Cincinnati, O.
See adv index at end of book
Harrigan Safe Co., 917 B'way, Kansas City, Mo.
Harris S. H. Co., Chicago, Ill.
Hermann Safe Co., 216-24 Fremont, San Francisco, Cal.
Herring-Hall-Marvin Safe Co., Hamilton, O.
Mellink Steel Safe Co., Oakwood av & N Y. C. R.R., Toledo, O.
Miller Safe Co., Fremont av & Briscoe, Baltimore, Md.
Morris-Ireland Safe Co., 64 Sudbury, Boston, Mass.
Mosler Safe Co., Hamilton, O
National Safe & Lock Co., 2341 E 69th, Cleveland, O.
Norris Safe & Lock Co., Seattle, Wash.
Pittsburgh Safe Co., Connellsville, Pa.
Pixley Safe & Lock Co., Toledo, O.
Reliable Safe Lock Co., Inc., Covington, Ky.
Remington & Sherman Co., 1545 N Del., New York
Safe- Cabinet Co., Marietta, Ohio
Schwab Safe Co., Lafayette, Ind.
Stiffel & Freeman Co., 723 Chestnut, Phila., Pa.
Syracuse Safe Co., Syracuse, N. Y.
Underwriters Safe Co., Toledo, Ohio.
Van Dorn Iron Works Co. (The), 2700 E 79th, Cleveland, Ohio
See adv index at end of book
Victor Safe & Lock Co., Div., The Safe Cabinet Co., Cleneay & C., L. & N., Cincinnati, O.
York Safe & Lock Co., York, Pa.

12855— Safes (House)

Baum J. Safe & Lock Co., 617 E Front, Cincinnati, Ohio
Diebold Safe & Lock Co., Canton, Ohio
See adv index at end of book
Galvanized Products Co., 8410 av, Cleveland, O.
GENERAL FIREPROOFING CO. (THE), 2308 Logan av, Youngstown, O.
See adv index at end of book
HALL'S SAFE CO., P O Box 846, Cincinnati, Ohio
See adv index at end of book
Mellink Safe Co., Toledo, Ohio
Van Dorn Iron Works Co. (The), 2700 E 79th, Cleveland, Ohio
See adv index at end of book
Wehrle Co., Newark, O.

12855a—Safes (Light Weight)

Armor Clad Mfg. Co., Canton, O.
Art Metal Construction Co. ("Art Metal" Light Weight), Jamestown, N. Y.
Detroit Steel Casting Co., 4069H Michigan, Detroit, Mich.
Diebold Safe & Lock Co., Canton, Ohio
See adv index at end of book
GENERAL FIREPROOFING CO. ("G. F. Allsteel"), Youngstown, O.
See adv index at end of book
Mellink Steel Safe Co., Toledo, O.
Safe Cabinet Co., Marietta, O.
VAN DORN IRON WORKS CO. (THE), 2700 E 79th, Cleveland, Ohio
See adv index at end of book
Watson Mfg. Co. (Steel), Jameston, N. Y.
Yawman & Erbe Mfg. Co., St. Paul, Rochester, N. Y.

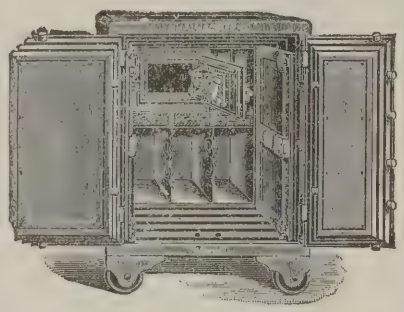
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Spring Grove Ave., CINCINNATI, O., U. S. A.
P. O. BOX 846

12856—Safes (Manganese Steel)

DIEBOLD SAFE & LOCK CO., Canton, O.
See adv index at end of book
HALL'S SAFE CO., P O Box 846, Cincinnati, Ohio
See adv index at end of book
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.
York Safe & Lock Co., York, Pa.

12857— Safes (Match)

Arcade Mfg. Co. ("Champion"), Freeport, Ill.
Behrend & Rothschild, 353 B'way, New York
Bogert & Hopper Inc. (Wood) (Advertising), 57 Barclay, New York
See adv index at end of book
Buffalo Mfg. Co., 1354 West av, Buffalo, N. Y.
Carrington & Co. (Pocket), 42 Walnut, Newark, N. J.
Cassady Fairbank Mfg. Co. ("Acorn"), 6126 S La Salle, Chicago, Ill.
Central Specialty Mfg. Co., 404 S Kalman av, Chicago, Ill.
Central Stamping Co. ("Puritan"), 206 B'way, New York
Eclipse Gas Stove Co. ("Eclipse"), Rockford, Ill.
Ensign F. V. (Nickel & Gift), Elmira, N. Y.
Estes E. B. & Sons (Advertising), 364 5th av, New York
See adv index at end of book
Forsyth Metal Goods Co., E. Aurora, N. Y.
Grey Iron Casting Co. ("Demon," Safety, etc), Mt. Joy, Pa.
Kohler Die & Specialty Co. ("Deaton"), De Kalb, Ill.
Manhattan Brass Co. (Brass), 332 E 28th, New York
Marble Arms & Mfg. Co. ("Marble's" Sportsman Waterproof), Gladstone, Mich.
National Enameling & Stamping Co., 411 5th av, New York
National Sheet Metal Co. (Stamped Nicheltus & "Nicolene," Pocketproof & Stormproof, etc.), Peru, Ill.
Nicol & Co. ("Turtle"), 218 N Jefferson, Chicago, Ill.
Royal Mfg. Co. ("Royal Rustic"), 406 Commerce, Phila., Pa.
Schimper William & Co., 322-338 Ferry, Hoboken, N. J.
Searls Mfg. Co. ("Paletto"), 29 Mulberry, Newark, N. J.
Silver & Co., 304 Hewes, Brooklyn, N. Y.
Sweeney W. H. Mfg. Co., 30 Main, Brooklyn, N. Y.
Van Wert Novelty Co., Van Wert, Ohio
Williams A. C. Co., Ravenna, O.
Wrightsville Hardware Co., Wrightsville, Pa.

12858— Safes (Receiving)

For Street Railway Conductors' Trip Returns
HALL'S SAFE CO. (For Conductor's Trip Returns), P O Box 846, Cincinnati, O.
See adv index at end of book
York Safe & Lock Co., York, Pa.

12859—Safes (Wall, Built In)

HALL'S SAFE CO., P O Box 846, Cincinnati, Ohio
See adv index at end of book

12860—Safes & Vaults (Wall)

DIEBOLD SAFE & LOCK CO., Canton, O.
See adv index at end of book
Lowrie Safe & Lock Mfg. Co. ("Lowrie," for Residences, Clubs, Offices, etc.), 400 N Oakley blvd, Chicago, Ill.
York Safe & Lock Co., York, Pa.

12861—Safety Deposit Boxes

DIEBOLD SAFE & LOCK CO., Canton, O.
See adv index at end of book
HALL'S SAFE CO., P O Box 846, Cincinnati, Ohio
See adv index at end of book
Mosler Safe Co., Hamilton, O.
National Safe & Lock Co., 2341 E 69th, Cleveland, O.
Safe Cabinet Co., Marietta, Ohio
York Safe & Lock Co., York, Pa.

12862—Safety Devices (Punch Press, Etc.)

For Protecting Workmen
Benjamin Electric Mfg. Co., 120 S Sangamon, Chicago, Ill.
GEUDER, PAESCHKE & FREY CO., 1314-1790 St. Paul av. Milwaukee, Wis.
See adv index at end of book

12862a— Safety Garments

Holcomb Safety Garment Co. (Mittens, Gloves, Aprons, Suits & Leggings Made in Asbestos, Leather & Fireproofed Duck), 14 S Jefferson, Chicago, Ill.
Industrial Gloves Corp., 1213 Fullerton av, Chicago, Ill.
Linemen Protector Co. ("Marshall's" Linemen's Shoes), Penobscot bldg, Detroit. Mich.
Safety First Supply Co., 107 3rd av, Pittsburgh, Pa.

12863—Safety Straps (Telephone & Telegraph Poles)

DIAMOND EXPANSION BOLT CO. ("Diamond"), 89 West, New York
See adv index at end of book

Safety Treads

See Stair Treads, Various Kinds

12863a—*Safety Treads (Wrought Steel)

Amer. Mason Safety Tread, Lowell, Mass.
Standley Skid Chain Co. ("Standley" for Automobiles), Boone, Ia.

12863b—Saggers (Fire Clay)

Livermore Fire Brick Wks., 604 Mission, San Francisco, Cal.
Spinks H. C. Clay Co., Newport, Ky.

12864-5— Sails (Yacht)

Baker H. H. & Co., Buffalo, N. Y.
Bethlehem Shipbuilding Corp. Ltd., Dept. H, Broadhead & Parker av, Bethlehem, Pa.
Carpenter Geo. B. Co., 434 N Wells, Chicago
See adv index at end of book
Cousens & Pratt, Neponset, Boston, Mass.
Daniels C. R. Inc., 114-115 South, New York
See adv index at end of book
Goss J. C. Co., 36 E Woodbridge, Detroit, Mich.
Herreshoff Mfg. Co., Bristol, R. I.
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
McClellan Chas. P. (& Commercial), 22 Boomer, Fall River, Mass.
Mills Andrew & Sons, 53 South, New York
Moore Benj. & Co., 27 South, New York
Pacific Tent & Awning Co., 1 N 1st, Portland, Ore.
Pease L. F. Co., 7 Crawford, Providence, R. I.
Seattle Tent & Awning Co., Postal Tel. bldg, Seattle, Wash.
Simpson & Fisher, 240 Stewart, San Francisco, Cal.
Thomas Wm. E. & Co., 42 South, New York

Upson-Walton Co., 1294 W 11th, Cleveland, O.
Wilson & Silsby, Rowe's Wharf, Boston, Mass.

12866— Salamanders

Anderson W. H. Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Channon Jas. H. Mfg. Co. ("Blazer"), 227 W Erie, Chicago, Ill.
Donley Bros. Co. (The), 13935 Miles av, Cleveland, O.
Drouve G. Co., Bridgeport, Conn.
Eagle Iron Works ("May's"), 850 DeKalb av, Brooklyn, N. Y.
Fleck M., 338 E 124th, New York
Hauck Mfg. Co., 136 10th, Brooklyn, N. Y. *See adv index at end of book*
Honhorst Joseph Co., 1016 W 6th, Cincinnati, O.
Howes S. M. Co., 42 Union, Boston, Mass.
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Indiana Foundry Co., Dept H, Indiana, Pa.
Keller A. E. (Mason's), 214 Front, New York
Littleford Bros., 444 E Pearl, Cincinnati, O. *See adv index at end of book*
Mostberger Iron Co. ("Buffalo"), 878 S Division, Buffalo, N. Y.
Munroe R. & Sons Mfg. Corp., 23d & Smallman, Pittsburgh, Pa.
North Star Ash Can Co. (Masons), 167 Chrystie, New York
Penn Foundry & Mfg. Co., Reading, Pa.
Phillips Doup & Co. ("National"), 44th & 1st av, Brooklyn, N. Y.

12867-8— Sal-Ammoniac

See Also Chemicals (Battery)

Anderson-Hillier Co. Inc. (Powdered), 73 Hudson, New York
Barrett Co., 17 Battery pl, New York
Bauer Philip Co. (Imp.), 53 Park pl, New York
Baugh & Sons Co., 20 S Delaware av, Philadelphia, Pa.
Cooper & Cooper Inc., 23H Cliff, New York
Fergusson Alex C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
General Chemical Co., 40 Rector, New York
Grasselli Chemical Co., Guardian bldg, Cleveland, Ohio
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio *See adv index at end of book*
Innis Speiden & Co., Inc. (Imp.), 46 Cliff, New York
Klipstein A. & Co., 644 Greenwich, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo. *See adv index at end of book*
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Riddle Chemical Co. (Imp. Lump, Gran. White), 35 S Dearborn, Chicago *See adv index at end of book*
Roessler & Hasslacher Chemical Co., 709 6th av, New York *See adv index at end of book*
Semet-Solvay Co., Syracuse, N. Y.
Special Chemicals Co., Highland Park, Ill.
Tennant C. Sons & Co. of N. Y. (Importers), 19 W 44th, New York
Wagner Chas. A. Co., Inc., 810 Noble, Philadelphia, Pa.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book.*

12869— Salol

Greeff R. W. & Co., 78 Front, New York
Heyden Chemical Works, Garfield, N. J.
Mallinckrodt Chem. Wks, 2d & Mallinckrodt, St. Louis, Mo. *See adv index at end of book*
Riddle Chemical Co. (Powder), 35 S Dearborn, Chicago *See adv index at end of book*

12870— Sal-Soda

American Chemical Co., 640 Carr, Cincinnati, O.
Barker Bros., Inc., 327-329 Johnson, Brooklyn, N. Y. *See adv index at end of book*
Bay Chemical Wks., 24 California, San Francisco, Cal.
California Soap Co., 2437 E 9th, Los Angeles, Cal.
Church & Dwight Co. (Also Concentrated Sal-Soda), 27 Cedar, New York
Cooper & Cooper, 23H Cliff, New York
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
General Chemical Co., 40 Rector, New York
Grasselli Chemical Co., Guardian bldg. Cleveland, O.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio *See adv index at end of book*
Iowa Soda Products Co., Council Bluffs, Iowa
Klipstein A. & Co., 644 Greenwich, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis *See adv index at end of book*
Mechling Bros. Mfg. Co., Camden, N. J.
Morton Salt Co., 80 E Jackson blvd, Chicago Ill.
National Chemical Co. of Cal., 526 S Alameda, Los Angeles, Cal.
National Magnesia Mfg. Co., 544 Market, San Francisco, Cal.
Pacific Silicate Co., Balfour bldg., San Francisco, Cal.
Penn Chemical Works, 1322 Wash. av, Phila., Pa.
Penna. Salt Mfg. Co. (Also Laundry Soda), Widener bldg, Phila., Pa.
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Reardon Jno. & Sons Co., Cambridge, Mass.
Sergeant E. M. Co., 131 Cedar, New York
Stauffer Chemical Co., 624 California, San Francisco, Cal.
Vera Chemical Co., North Milwaukee, Wis.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book.*

JOHN C. WIARDA & CO.
83 Provost St., Brooklyn, N. Y.
MANUFACTURING CHEMISTS

Winkler Isaac & Bros. Co., 1st National Bank bldg., Cincinnati, O.
Wood & Durham Mfg. Co., 2001 Slauson av, Los Angeles, Cal.

12871— *Salt (Agricultural)

DU PONT E. I. DE NEMOURS & CO. INC., Special Products Co., Wilmington, Del. *See adv index at end of book*

12872— Salt Cake

See Also Salts, Glauber

Butterworth-Judson Corp., 30 Church, New York
Contact Process Co., 351 Abbott rd, Buffalo, N. Y.
Cooper & Cooper Inc., 23H Cliff, New York
DU PONT E. I. DE NEMOURS & CO. INC. (Lithopone, Pigments & Heavy Chemicals Div.), 3500 Grays Ferry rd, Phila., Pa. *See adv index at end of book*
General Chemical Co., 40 Rector, New York
Grasselli Chemical Co. (For Glass Makers), Guardian bldg, Cleveland, O.
Kalbfleisch Corp., 200 5th av, New York
Lennig Chas. & Co., 40 North Front, Phila., Pa.
National Zinc Co., 61 B'way, New York
New Jersey Zinc Co., 160 Front, New York
Pacific Distributing Co., 85 2nd, San Francisco, Cal.
Penna. Salt Mfg. Co. (Refined, For Glass Makers), Widener bldg., Phila., Pa.
Riverside Acid Works, Warren, Pa.
Sergeant E. M. Co., 131 Cedar, New York
Southern Acid & Sulphur Co., Rialto bldg, St. Louis, Mo.
Stauffer Chemical Co., 624 California, San Francisco, Cal.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book.*

12873— *Salt (Finishing)

DU PONT E. I. DE NEMOURS & CO. INC., Special Products Sec., Wilmington, Del. *See adv index at end of book*

12874— Salt Mfrs.

Arden Salt Works, Pacific bldg., San Francisco, Cal.
Barton Salt Co., Hutchinson, Kan.
Bliss & Van Auken, Saginaw, Mich.
Bradley N. B. & Sons, Bay City, Mich.
California Rock Salt Co., 2436 Hunter, Los Angeles, Cal.
California Salt Co., 200 Bush, San Francisco, Cal.
Carey Salt Co., Hutchinson, Kan.
Cayuga Rock Salt Co., Inc., Myers, N. Y.
Colonial Salt Co., Akron, O.
Consolidated Salt Co., 1103 Mateo, Los Angeles, Cal.
Consumers Salt Co., Los Angeles, Cal.
Copell Salt Co., Salt Lake City, Utah
Diamond Crystal Salt Co., St. Clair, Mich.
Dickinson J. Q. & Co. ("Genuine Kanawha"), Malden, W. Va.
Eastern Salt Co., 237 State, Boston, Mass.
Eddy Bros. & Co., Bay City, Mich.
Empire Coarse Salt Co., Syracuse, N. Y.
Grand Saline Salt Co., Grand Saline, Tex.
Independent Salt Co. (Dealer), 44 Whitehall, New York
Inland Crystal Salt Co. ("Royal Crystal"), Salt Lake City, Utah
Inland-Delray Salt Co., Murphy bldg, Detroit, Mich.
International Salt Co. (of New Jersey), 2 Rector, New York
International Salt Co. (of New York), Sev.-Life bldg, Scranton, Pa.
Leroy Salt Co., Leroy, N. Y.
Leslie Salt Refining Co., 544 Market, San Francisco, Cal.
Mershon Eddy, Parker Co., Saginaw, Mich.
Michigan Salt Works, Marine City, Mich.
Morton Salt Co., 80 E Jackson blvd, Chicago, Ill.
Mulkey Salt Co., Dix & River Ridge, Detroit, Mich.
Myles Salt Co. (Ltd.), 713 Whitney Central bldg, New Orleans, La., & Weeks, La.
North American Chemical Co., Bay City, Mich.
Ohio Salt Co., Wadsworth, Ohio
Onondaga Coarse Salt Assn., Syracuse N. Y.
Rutgers C. F. & Co. (Dirs.), 25 Spruce, New York
Semet-Solvay Co., Milton av., Syracuse, N. Y.
Sergeant E. M. Co. (Common Fine; Agents), 131 Cedar, New York
Solvay Process Co., Syracuse, N. Y.
Standard Salt & Cement Co., Duluth, Minn
Stauffer Chemical Co. ("Queen," "Rex," "Anchor," "Dumbarton," "Buttercup," "San Francisco"), 624 California, San Francisco, Cal.
Stearns Salt & Lumber Co., Ludington, Mich.
Sterling Salt Co., 29 B'way, New York
Todd Salt Co. (Imp.), 407 E 8th, New York
Union Salt Co., E 65th & N. Y. C. R. R., Cleveland, Ohio
Utah Salduro Co. ("Capell"), 609H Clift bldg, 609H Salt Lake City, Utah
Wadsworth Salt Co., Wadsworth, O.
Western Rock Salt Co., Arcade bldg, St. Louis, Mo.
Worcester Salt Co., 71 Murray, New York

12874a— *Salt (Recovered)

Du Pont E. I. de Nemours & Co. Inc., Special Products Sec., Wilmington, Del. *See adv index at end of book*

12874b— *Salt (Track)

Du Pont E. I. de Nemours & Co., Inc., Explosives & Smokeless Powder Depts., Wilmington, Del. *See adv index at end of book*

12875-6-7-8-9— Saltpetre

Battelle & Renwick ("Niagara" Refined Crystals, Granular & Powdered), 80 Maiden la, New York
Croton Chemical Co., 293 B'way, New York
DU PONT E. I. DE NEMOURS & CO. INC., Explosives & Smokeless Powder Depts., (See Adv at Explosives), Wilmington, Del. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio *See adv index at end of book*
Hercules Powder Co. (Double Refined), Wilmington, Del.
Ralli Bros. (Imp.), 11 William, New York
Stauffer Chemical Co., 624 California, San Francisco, Cal.
Takamine Commercial Corp. (Imp.), 120 B'way, New York
White Thos. H. & Co. (Brokers), 11 S Gay, Baltimore, Md.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

Saltpetre (Chile)

See Nitrate of Soda

12880— Salts (Aniline)

Berlin Aniline Works (Imp.), 213 Water, New York
Calco Chemical Co., Bound Brook, N. J.
Chemical Co. of America, 46 Murray, New York
Cooper & Cooper Inc., 23H Cliff, New York
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Marden, Orth & Hastings Co., 136 Liberty, New York
Sparks John C., 42 Warren, New York

12881— Salts (Chemical)

American Luminous Products Co. (Calcium), Huntington Park, Cal.
Doggett Stanley, 11 Cliff, New York
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
General Chemical Co., 40 Rector, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio *See adv index at end of book*
Ohio Chemical & Mfg. Co. 1177 Marquette, Cleveland, O.
Sergeant E. M. Co., 131 Cedar, New York

12882— Salts (Copper)

Buchanan C. G. Chemical Co., 4650 Baker av, Cincinnati, Ohio
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Hanson & Van Winkle Co., 269 Oliver, Newark, N. J.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio *See adv index at end of book*

12882a— Salts (Epsom)

See also Magnesium Sulphate

Clarke Chem. Co., Wickliffe, O.
Drackett P. W. & Sons Co., 3426 Edwards, Cincinnati, O.
Epso Products Co., Oroville, Wash.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
General Chemical Co., 40 Rector, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio *See adv index at end of book*

(Continued on following page)

Salts (Epsom)—Continued

Innis Speiden & Co. Inc., 46 Cliff, New York
Lennox Chemical Co., 1204 E 55th, Cleveland, O.
Maillard & Schmiedell (Mfrs.' Agts.), 203 California, San Francisco, Cal.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
National Magnesia Mfg. Co., 544 Market, San Francisco, Cal.
Ohio Chemical & Mfg. Co., 1177 Marquette, Cleveland, O.
Oro Natural Products Co., 360 Bryant, San Francisco, Cal.
Pacific Silicate Co., Balfour bldg., San Francisco, Cal.
Scobell Chemical Supply Co. Inc., 131H Railroad, Rochester, N. Y.
Van Schaack P. & Sons ("Mays" Tasteless, Jobbers), 310 W Wash., Chicago, Ill.
Victor Chemical Works, Dept H, Fisher bldg., Chicago, Ill.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

12882b—Salts (Effervescent)

Abbey Effervescent Salt Co., 1382 B'way, New York
National Magnesia Mfg. Co., 544 Market, San Francisco, Cal.
Parke, Davis & Co., 2951 E Atwater, Detroit, Mich.

12883— Salts (Glauber's)

See also Sodium Sulphate

Anderson-Hillier Co. Inc. (Powdered), 73 Hudson, New York
Central Products Co., 1352 Wells, Chicago, Ill.
Cooper & Cooper Inc., 23H Cliff, New York
Ducas B. P. Co. (Imp.), 25 S William, New York
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
General Chemical Co. (And Nitre Cake), 40 Rector, New York
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Innis Speiden & Co. Inc., 46 Cliff, New York
Iowa Soda Products Co., Council Bluffs, Ia.
Jobbins Wm. F. (Inc.), Aurora, Ill.
Kalbfleisch Corp., 200 5th av, New York
Lennig Chas. & Co., 40 North Front, Phila., Pa.
Mechling Bros. Mfg. Co., Camden, N. J.
Merrimac Chemical Co., 148 State, Boston, Mass.
National Zinc Co., 61 B'way, New York
Naugatuck Chemical Co., Naugatuck, Conn.
Niasco Chem. Co., New Market, N. J.
Pacific Silicate Co., Balfour bldg., San Francisco, Cal.
Pennsylvania Salt Mfg. Co., Widener bldg, Phila., Pa.
Powers-Weightman-Rosengarten Co., 916 Parrish, Philadelphia, Pa.
Pratt N. P., Atlanta, Ga.
Riddle Chemical Co., 35 S Dearborn, Chicago
See adv index at end of book
Sergeant E. M. Co., 131 Cedar, New York
Stauffer Chemical Co., 624 California, San Francisco, Cal.
Thomsen Chemical Co., Race & Winder, Baltimore, Md.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y.
See adv index at end of book
Wood & Durham Mfg. Co., 2001 Slauson av, Los Angeles, Cal.

12884— Salts (Manure)

Ashcraft Wilkinson Co., Atlanta, Ga.

12885— Salts (Nickel)

See Also Nickel Sulphate; also Nickel Ammonium Sulphate

Buchanan Thos. Co., The, 114 W Pearl, Cincinnati, O.
See adv index at end of book
Day S. A. Mfg. Co. (Dealers), 1483 Niagara Buffalo, N. Y.
Fuerst Bros. & Co. (Imp.), 2 Stone, New York
Hachmeister-Lind Chemical Co., Island & Leonard, Pittsburgh, Pa.
Hanson & Van Winkle Co., 269 Oliver, Newark N. J.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
International Nickel Co., 67 Wall, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Munning A. P. & Co. (Single & Double), Matawan, N. J.
Roessler & Hasslacher Chemical Co. ("Trisalyt"), 709 6th av, New York
See adv index at end of book
U. S. Chemical Co. (Black), 3621 Lakeside av, N E. Cleveland, O.
Wiarda John C. & Co., 83 Provost, Brooklyn N. Y. *See adv index at end of book*

12886— Salts (Platinum)

American Platinum Wks., 231 N J RR av, Newark, N. J.
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book

12887—Sample Cases (Jewelry)

Rueckert Mfg. Co., 162 Clifford, Providence, R. I.

12887a— Sample Cases & Bags

Ajax Trunk & Sample Case Co., 150 W 18th, New York
Cutter & Cutter, 124 Bedford, Boston, Mass.
Diamond Nicholas & Co., 616 W Adams, Chicago, Ill.
Fibre Case & Novelty Co., 536 W 23rd, New York
Flour City Trunk Co., 115 2nd av S. E., Minneapolis, Minn.
Katz Bros. Leather Goods Co., 135 W 20th, N. Y.
KNICKERBOCKER CASE CO. ("Knickerbocker," "Made Right"), Fulton & Clinton, Chicago, Ill.
Likly Henry & Co., Rochester, N. Y.
Mashek Frank & Co., 1914 Milwaukee av, Chicago
Warren Leather Goods Co., Worcester, Mass.
Winship W. W. & Sons, Co., Utica, N. Y.

12888—Samplers (Coffee, Etc.)

Sanders, Frary & Clark, New Britain, Conn.

12889— Samplers (Grain)

Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Horatt Jos. Mfg. Co., 417 Ferry, Lafayette, Ind.
Minneapolis Brass & Iron Mfg. Co., 115 N 9th, Minneapolis, Minn.

12890— Samplers (Ore)

Allis-Chalmers Mfg. Co. (& Tailings), Milwaukee, Wis.
See adv index at end of book
Braun-Knecht-Heimann Co. ("Braun" Laboratory), 576-584 Mission, San Francisco, Cal.
Denver Engineering Works Co., Cooper bldg, Denver, Colo.
Denver Fire Clay Co. ("Jones," "Core"), Denver, Colo.
KENNEDY-VAN SAUN MFG. & ENG. CORP., 50 Church, New York
See adv index at end of book
Traylor Engineering & Mfg. Co., Allentown, Pa.
William A. Box Iron Works Co. ("Brunton"), 3309 Blake, Denver, Colo.

12890a—Sand Blast Accessories

Koven & Brother, Inc., L. O., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Pangborn Corp., Hagerstown, Md.
Sly W. W. Mfg. Co., 4720 Train av, Cleveland, O.

12890b—Sand Blast Apparatus

American Foundry Equipment Co. (The), 366 Madison av, New York
Koven & Brother, Inc., L. O., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Northern Blower Co. (The), Denison & W 65th, Cleveland, O.
See adv index at end of book
Sly W. W. Mfg. Co., 4720 Train av, Cleveland, O.

12891— Sand Blast Equipment

AMERICAN FOUNDRY EQUIPMENT CO. (THE) (Humane), 366 Madison av, New York
Atlas Car & Mfg. Co., Cleveland, O.
See adv index at end of book
Koven & Brother, Inc., L. O., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
MacLeod Co. (Machines, Helmets, Cabinets, etc.), 2227 Bogen, Cincinnati, O.
See adv index at end of book
New Haven Sand Blast Co. ("New Haven"), 6 Church, New Haven, Conn.
NORTHERN BLOWER CO (THE), Denison & W 65th, Cleveland, Ohio
See adv index at end of book
Rix Compressed Air & Drill Co., 400-404 Fourth, San Francisco, Cal.
Pangborn Corp (Cars) Hagerstown, Md.
Sly W. W. Mfg. Co., 4720 Train av, Cleveland, Ohio.
Standard Equipment Co. ("Standard"), 63 Foote, New Haven, Conn.

L. O. KOVEN & BROTHER
Inc.
154 Ogden Avenue
JERSEY CITY, N. J.

Manufacturers of

Sand Blast Machinery
Revolving Barrel and Table Types

Special Cabinets and Sand Blast Rooms

Pressure Tanks

Moisture Extractors

Hose, Helmets and Supplies

Sole Manufacturers of

DUSTLESS SELF-CONTAINED HOEVEL SANDBLAST AUTOMATIC MACHINES

12891a—*Sand Blast Exhaust System

Am. Blower Co., 6004 Russell, Detroit, Mich.
American Foundry Equipment Co. (The), 366 Madison av, New York
Koven & Brother, Inc., L. O., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Northern Blower Co. (The), Denison & W 65th, Cleveland, Ohio
See adv index at end of book

12891b—Sand Blast Revolving Barrels

American Foundry Equipment Co. (The), 366 Madison av, New York
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Pangborn Corp., Hagerstown, Md.
Sly W. W. Mfg. Co., 4720 Train av, Cleveland, Ohio.

12891c—Sand Blast Rotary Table

American Foundry Equipment Co. (The), 366 Madison av, New York
Koven & Brother, Inc., L. O., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Pangborn Corp. (Automatic), Hagerstown, Md.
Sly W. W. Mfg. Co., 4720H Train av, Cleveland, Ohio

12892—Sand Blast Systems

American Foundry Equipment Co. (The), 366 Madison av, New York
MacLeod Co. (Exhaust System), 2227 Bogen, Cincinnati, O.
See adv index at end of book
Pangborn Corp., Hagerstown, Md.
RIX COMPRESSED AIR DRILL CO., 400-404 4th, San Francisco, Cal.
Sly W. W. Mfg. Co., 4720 Train av, Cleveland, Ohio.

12893— Sand (Core)

See also Sand, Molding or Foundry

Berkshire Glass Sand Co., Cheshire, Mass.
Brown's Mills Sand Co., in the Pines, Brown's Mills, N. J.
Cutter & Wood Supply Co., 274 Friend, Boston, Mass.
Downer S. W., Downer, N. J.
Humphreys E. C. Co., 624 Penobscot,, Detroit, Mich.
Illinois Valley Silica Co., Ottawa, Ill.
Jackson Sand Mining Co., Jackson, O.
Kiamensi Clay Co., Wilmington, Del.
Newport Sand Bank Co., Newport, Ky.

Northern Gravel Co., Muscatine, Iowa
Paxson J. W. Co., Dept H, Nicetown lane & D, Phila., Pa.
Pettinos Chas., 25 Church, New York
Pettinos Geo. F., 701 Abbott bldg, Philadelphia, Pa.
Red Wing Filter Sand Co., Red Wing, Minn.
Reynolds E. J. Sand Co., Utica, Ill.
Squier Ed. E. Co., Federal Reserve Bk. bldg, St. Louis, Mo.
Tavern Rock Sand Co., 612 N 2d, St. Louis, Mo.
United States Silica Co., 122 S Michigan av, Chicago, Ill.
Utica Fire Sand Co., Utica, Ill.
Valentine M. D. & Bro. Co., Woodbridge, N. J.
Wausau Quartz Co, Wausau, Wis.
Wedron Silica Co., 1st Nat'l Bank bldg, Chicago, Ill.
WEDRON SILICA CO., 36 S Dearborn, Chicago, Ill.
Whitehead Bros. Co., 537 W 27th, New York

12893a—*Sand Dryers (Rotary & Pan)

Littleford Bros., 444 E Pearl, Cincinnati, O.
See adv index at end of book

12894—Sand Excavating & Screening Plants (Portable)

Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Ellicott Machine Corp., 1111 Bush, Baltimore, Md. *See adv index at end of book*
JEFFREY MFG. CO., 961 N Fourth, Columbus, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Western Wheeled Scraper Co., Farnsworth, Aurora, Ill.

12895— Sand (Filtering)

Brown's Mills Sand Co., in the Pines, Brown's Mills, N. J.
Cape May Sand Co., Cape May, N. J.
Des Moines Sand & Fuel Co., Des Moines, Iowa
International Filter Co., 333 W 25th pl, Chicago, Ill.
Klamensi Clay Co., Wilmington, Del.
New England Quartz Co. of N. Y., 150 Nassau, New York
New York Continental Jewell Filtration Co., Nutley, N. J.
New York Pyrites Co. Inc., 25 Broad, New York
Northern Gravel Co., Muscatine, Iowa
Portage Silica Co., Youngstown, O.
Steers Hy. Sand & Gravel Co., 17 Battery pl, New York
United States Silica Co., 122 S Michigan av, Chicago, Ill.
Wausau Quartz Co., Wausau, Wis.

Sand (Fire)

See Fire Sand

12896— Sand (Furnace)

Berkshire Glass Sand Co., Cheshire, Mass.
Brown's Mills Sand Co., in the Pines, Brown's Mills, N. J.
Catlin R. H. Co. (Furnace Bottom), Wilmington, Del.
Downer S. W., Downer, N. J.
Illinois Valley Silica Co., Ottawa, Ill.
Klamensi Clay Co., Wilmington, Del.
Pettinos Chas., 25 Church, New York
Pettinos Geo F., 701 Abbott bldg, Phila., Pa.
Reynolds E. J. Sand Co., Utica, Ill.
Squier Ed. E. Co., Federal Reserve Bk. bldg, St. Louis, Mo.
Standard Silicon Co., Ridgway, Pa.
Tavern Rock Sand Co. (Fire & Furnace), 612 N 2d, St. Louis, Mo.
United States Silica Co., 122 S Michigan av, Chicago, Ill.
Utica Fire Sand Co., Utica, Ill.
Wedron Silica Co., 36 S Dearborn, Chicago

12897—Sand (Glass Makers')

Berkshire Glass Sand Co., Cheshire, Mass.
Brown's Mills Sand Co., in the Pines Brown's Mills, N. J.
Central Silica Co., Zanesville, O.
Crystal Sand Co., Bridgeton, N. J.
Derry Glass Sand Co., Latrobe, Pa.
Downer S. W., Downer, N. J.
Graham Glass Co., Citizens Bank bldg, Evansville, Ind.
Klamensi Clay Co., Wilmington, Del.
New England Quartz Co., of N. Y., 150 Nassau, New York
Pettinos Geo F., 701 Abbott bldg, Phila., Pa.
Pennsylvania Glass Sand Co., 341 4th av, Pittsburgh, Pa.
Pittsburgh White Sand Co., Farmers' Bank bldg, Pittsburgh, Pa.
Product Sales Co. (Jobbers), Equitable bldg, Baltimore, Md.
Reading Sand Co., Bridgeton, N. J.
Reynolds E. J. & Co., Utica, N. Y.
Round Top Glass Sand Co., Hagerstown, Md.
Sonnhalter Sand & Stone Co. Massillon, O.
Standard Silicon Co., Ridgway, Pa.
Tavern Rock Sand Co., 612 N 2d, St. Louis, Mo.
United States Silica Co. ("Crystal Silica"), 122 S Michigan av, Chicago, Ill.
Utica Fire Sand Co., Utica, Ill.
Wedron Silica Co., 36 S Dearborn, Chicago
Wedron White Sand Co., Wedron, Ill.

12898— Sand (Granite)

Stowell Mfg. Co., Culver av, Jersey City, N. J.

12899—Sand Handling Plants

BARTLETT, C. O. & SNOW CO., French, Cleveland, O. *See adv index at end of book*
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Ellicott Machine Corp., 1111 Bush, Baltimore, Md. *See adv index at end of book*
Heyl & Patterson, 51 Water, Pittsburgh, Pa.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
Lee Trailer & Body Co. (Motor Truck type), 2343 S La Salle, Chicago, Ill.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
McMyler-Interstate Co. (The), Cleveland, Ohio *See adv index at end of book*
National Engineering Co., 549 W Washington blvd, Chicago, Ill.
Stephens-Adamson Mfg. Co., Aurora, Ill.

12900—Sand (Molding or Foundry)

See also Foundry Facings & Supplies

Albany Sand & Supply Co., Albany, N. Y.
Ayres Mineral Co., Zanesville, O.
Beach City Silica Sand Co. (Silica), Beach City, O.
Berkshire Glass Sand Co., Cheshire, Mass.
Boehm J. K. Huron, O.
Bos Jno. N. Sand Co., 118 N La Salle, Chicago, Ill.
Brennan Sand Co., Tullytown, Pa.
Brown's Mills Sand Co., in the Pines, Brown's Mills, N. J.
Burton-Townsend Co. (Molding), Ashtabula, O.
Cannon & Co., N Sacramento, Sacramento, Cal.
Cape May Sand Co., Cape May City, N. J.
Catlin R. H. Co., Wilmington, Del.
Crystal Springs Sand Co., Canal Fulton, O.
Cutter & Wood Supply Co., 274 Friend, Boston, Mass.
Del Monte Properties Co. ("Del Monte"), Crocker bldg, San Francisco, Cal.
Downer S. W., Downer, N. J.
Enterprise Sand Co., Fulton bldg, Pittsburgh, Pa.
Evers Jno. Estate, Waterford, N. Y.
Federal Foundry Supply Co., 2639 E 79th, Cleveland, O.
Garden City Sand Co., Chamber of Commerce bldg, Chicago, Ill.
Geauga Silica Sand Co., Schofield bldg, Cleveland, O.
Gordon Sand Co., Inc., Conneaut, O.
Hime J. R. Sand Co., Junction City, Ga.
Humphreys E. C. Co., 624 Penobscot, Detroit, Mich.
Illinois Valley Silica Co., Ottawa, Ill.
International Silica Co., Cairo, Ill.
Jackson Sand Mining Co., Jackson, O.
Keystone Foundry Supply Co., Buffalo, N. Y.
Klamensi Clay Co., Wilmington, Del.
McCormick J. S. Co., 25th & A. V. R. R., Pittsburgh, Pa.
Massillon Sand & Stone Co., Massillon, O.
Mineral Supply Co. (Molding), 122 S Michigan av, Chicago, Ill.
Monarch Clay Mining Co., Bellevue, Ky.
Mont Alto Sand Co., Waynesboro, Pa.
National Sales Co., 31 E 13th, Cincinnati, O.
New England Quartz Co. of N. Y., 150 Nassau, New York
Newport Sand Bank Co. (Molding Only), Newport, Ky.
New York Sand & Facing Co., 106 Grand av, Brooklyn, N. Y.
Oliver Silica Sand Co., Massillon, O.
Paxson J. W. Co., Dept. H, Nicetown lane & D, Phila., Pa.
PETTINOS CHAS., 25 Church, New York
Pittsburgh White Sand Co. (Brick Molding Only), Farmers' Bank bldg, Pittsburgh, Pa.
Portage Silica Co. (Steel Casting), Youngstown, O.
Raritan Ridge Clay Co., Metuchen, N. J.
Reynolds E. J. Sand Co., Utica, Ill.
Round Top Glass Sand Co., Hagerstown, Md.
Sandusky Sand Co., Sandusky, O.
Silican Products Co., Lancaster, Pa.
Spinks H. C. Clay Co., Newport, Ky.
Squier Ed. E. Co., Federal Reserve Bank bldg, St. Louis, Mo.
Standard Sand & Machine Co., 5150 St. Clair av, Cleveland, O.
Standard Silicon Co., Ridgway, Pa.
Stevens Frederic B., Inc., 3rd & Larned, Detroit, Mich.
See adv index at end of book
Superior Sand Co., Guardian bldg, Cleveland, O.
Tuscora Sand & Coal Co. ("Tuscora"), 719 Prospect, Hippodrome bldg, Cleveland, O.
United States Silica Co. (Steel Only, "Flint Silica"), 122 S Michigan av, Chicago, Ill.
Utica Fire Sand Co. (Steel Molding & Core Sand), Utica, Ill.
Walker Sand Co., West Springfield, Pa.
Wausau Quartz Co., Wausau, Wis.
Wedron Silica Co., 36 S Dearborn, Chicago
Wedron White Sand Co., Wedron, Ill.
Whitehead Bros. Co. (Albany, French, Fire, Core, etc), 537 W 27th, New York

12900a—*Sand (Painters' Colored)

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

12900b— *Sandpaper

See also Paper (Flint, Sand & Emery)

St. Louis Glue Mfg. Co., 2125 Division, St. Louis, Mo.
Wausau Abrasives Co., Wausau, Wis.

12901— Sand (Pure White)

Berkshire Glass Sand Co., Cheshire, Mass.
Brown's Mills Sand Co., in the Pines, Brown's Mills, N. J.
Klamseni Clay Co., Wilmington, Del.
NEW YORK PYRITES CO. INC., 25 Broad, New York
Raritan Ridge Clay Co. (Fine White & Yellow Kiln-Setting), Metuchen, N. J.
Standard Silicon Co., Ridgway, Pa.
United States Silica Co., 122 S Michigan av, Chicago, Ill.
Wedron Silica Co., 36 S Dearborn, Chicago

12902— Sand (Sand Blast)

Albany Sand & Supply Co., Albany, N. Y
Brown's Mills Sand Co., in the Pines, Brown's Mills, N. J.
Cape May Sand Co., Cape May, N. J.
Catlin R. H. Co., Wilmington, Del.
Des Moines Sand and Fuel Co., Des Moines, Iowa
Downer S. W., Downer, N. J.
Jackson Sand Mining Co., Jackson, O.
Klamseni Clay Co., Wilmington, Del.
Mineral Supply Co., 122 S Michigan av, Chicago, Ill.
New England Quartz Co. of N. Y., 150 Nassau, New York
New York Pyrites Co. Inc., 25 Broad, New York
Northern Gravel Co., Muscatine, Iowa
Obermayer S. Co., 2563 W. Chicago, Ill.
Pangborn Corp., Hagerstown, Md.
PETTINOS CHAS., 25 Church, New York
Pettinos Geo. F., Real Estate Trust bldg, Phila., Pa.
Portage Silica Co., Youngstown, O.
Product Sales Co., Equitable bldg, Baltimore, Md.
Red Wing Filter Sand Co., Red Wing, Minn.
Squire Edw. E. Co., Federal Reserve Bank bldg, St. Louis, Mo.
Standard Silicon Co., Ridgway, Pa.
United States Silica Co. ("Flint Shot"), 122 S Michigan av, Chicago, Ill.
Whitehead Bros. Co., 537 W 27th, New York

12903— Sand (Silica)

Beach City Silica Sand Co., Beach City, Ohio
Bertolet & Hunter, Temple, Pa.
Bour L. J. Refractories Co., Laurel Lane & Front, Scranton, Pa.
Brown's Mills Sand Co., in the Pines, Brown's Mills, N. J.
Cambria Clay Co., Patton, Pa.
Central Silica Co., Zanesville, O.
Doggett Stanley, 11 Cliff, New York
Downer S. W., Downer, N. J.
Everhard Co., Massillon, O.
Fox C. M., Ridgeway, Pa.
Franklin Silica Sand Co., Franklin, Pa.
Garden City Sand Co. (Also White), Chamber of Commerce bldg, Chicago, Ill.
Greenville Silica Co., Greenville, Pa.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Hime J. R. Sand Co., Junction City, Ga.
Humphreys E. C. Co., 624 Penobscot, Detroit, Mich.
Illinois Valley Silica Co. (Crushed & Screened), Ottawa, Ill.
International Silica Co., Cairo, Ill.
Jackson Sand Mining Co., Jackson, O.
Klamseni Clay Co., Wilmington, Del.
Massillon Sand & Stone Co., Massillon, O.
Miller & Coulson (Dealer), 5748 Ellsworth av, Pittsburgh, Pa.
Mineral Supply Co., 122 C Michigan av, Chicago, Ill.
National Sales & Trading Co., Cleveland, Ohio
National Sand & Stone Co., Niles, O.
National Silica Co., Dept. H, Oregon, Ill.
New England Quartz Co. of N. Y., 150 Nassau, New York
New York Pyrites Co. Inc., 25 Broad, New York
Ohio Silica Co., East Liverpool, O.
Oliver Silica Sand Co., Massillon, O.
Ottawa Silica Co. (Washed White Flint Sand), Ottawa, Ill.
Pennsylvania Glass Sand Co. (White Rock), 341 4th av, Pittsburgh, Pa.
PETTINOS CHAS., 25 Church, New York

(Continued on following page)

Sand (Silica)—Continued

Pettinos Geo F., 701 Abbott bldg, Phila., Pa.
Pittsburgh White Sand Co., Farmers' Bank bldg, Pittsburgh, Pa.
Portage Silica Co., Youngstown, O.
Red Wing Filter Sand Co., Red Wing, Minn.
Reynolds E. J. Sand Co. (White), Utica, Ill.
Shimer & Co., Inc., Bullitt bldg, Phila., Pa.
Silican Products Co., Lancaster, Pa.
Sonnhalter Sand & Stone Co., Massillon, Ohio
Special Service Flooring Corp., 2009 Grand Central Terminal, New York
Squier Ed. E. Co., Federal Reserve Bank bldg, St. Louis, Mo.
Standard Silicon Co., Ridgway, Pa.
Summit Silica Co., Barberton, O.
Tavern Rock Sand Co., 612 N 2d, St. Louis, Mo.
United States Silica Co. (Wash White Flint Sand), 122 S Michigan av, Chicago, Ill.
Wausau Quartz Co., Wausau, Wis.
Wedron Silica Co., 36 S Dearborn, Chicago
Winfield Limestone Co., 2215 Oliver bldg, Pittsburgh, Pa.

12904— Sand (Stone Sawing)

Klamseni Clay Co., Wilmington, Del.
Red Wing Filter Sand Co. Red Wing, Minn.
Reynolds E. J. Sand Co., Utica, Ill.
Steers Hy. Sand & Gravel Co., 17 Battery pl, New York
Tavern Rock Sand Co., 612 N 2d, St. Louis, Mo.
United States Silica Co., 122 S Michigan av, Chicago, Ill.
Utica Fire Sand Co., Utica, Ill.

12905—Sand Towers & Storage Tanks

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Robertson Wm. & Co. ("Robertson," for Railroad Use; also Sand Dryers), 20 W. Jackson blvd, Chicago, Ill.

12906— Sand Washers

Acme Engineering Co. ("Acme" & Gravel), 201 Beckel bldg, Dayton, O.
Bonney Supply Co. (Also Gravel), 16 State, Rochester, N. Y.
Ellicott Machine Corp., 1111 Bush, Baltimore, Md. *See adv index at end of book*
Lewistown Foundry & Machine Co., Lewistown, Pa.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Pettinos Geo. F., Real Estate Trust bldg, Phila., Pa.
Ransome Concrete Machinery Co., Dunellen, N. J.
Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.
Stocker Concrete Material Washer Co. (Also Gravel), Highland, Ill.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

12907—Sand & Gravel Dealers

Aetna Sand & Gravel Co., 7159 Normal, Chicago, Ill.
Arundell Corp. (Washed Gravel & Sand), Pier 2, Pratt, Baltimore, Md.
Atlantic Coast Sand Co. (Sea Sand), 24 Stone, New York
Atlas Coal & Supply Co., Binghamton, N. Y.
Atwood-Davis Sand Co. (Producers), 112 W Adams, Chicago, Ill.
Banner Coal & Sand Co., R. I. & Wabash & Euclid, St. Louis, Mo.
Barnes Sand & Gravel Co., Portsmouth, O.
Bedford & Nugent (Screened Ohio River), 302 N Water, Evansville, Ind.
Biesanz Stone Co., Winona, Minn.
Blue Diamond Materials Co., Inc. ("Blue Diamond"), 2200 E 16th, Los Angeles, Cal.
Bos John N., 118 N La Salle, Chicago, Ill.
Boston Sand & Gravel Co., 88 Broad, Boston, Mass.
Brookhaven Gravel Co., Brookhaven, Miss.
Brown Chas. R., Syracuse, N. Y.
Brown-Stone Store Co., Waltonville, Pa.
Builders' Material Supply Co., 815 Continental, Kansas City, Mo.
Bunker G. W. Co., Grand Rapids, Mich.
Burke Andrus Sand Co., Fort Smith, Ark.
Cadillac Sand & Gravel Co., Nicholas bldg, Toledo, O.
Carmichael Wm. P. Co., Williamsport, Ind.
Carroll Bros., Ellicott sq, Buffalo, N. Y.
Carroll J. E. Sand Co. (Gravel Pit), White bldg, Buffalo, N. Y.
Chicago Gravel Co., 348 S Dearborn, Chicago, Ill.
Cleveland Bldrs.' Supply & Brick Co., Leader News bldg, Cleveland, Ohio
Coast Rock & Gravel Co., Call bldg, San Francisco, Cal.
Columbia Digger Co., 176 Burnside, Portland, Ore.
Columbia Granite Dredging Co., 3036 R, N W, Washington, D. C.
Concrete Stone & Sand Co., Youngstown, O.
Consumers Rock & Gravel Co., 1960 E 26th, Los Angeles, Cal.
Cook & Laurie Gravel Co., Montgomery, Ala.
Coon River Sand Co., 308 9th, Des Moines, Iowa
De Frain Sand Co., Beach & Berks, Phila., Pa.
Del Monte Properties Co. ("Del Monte" Sand), Crocker bldg, San Francisco, Cal.
Des Moines River Gravel Co., Harvey, Ia.
Des Moines Sand and Fuel Co. (Producers of Washed & Sized, Asphaltic Concrete, Binder, Reinforcing Bitulithic & Roofing Gravel & Bitulithic Brick Bldg. Concrete & Engine Sand), Des Moines, Iowa
Dick Sand Co., Franklin, Pa.
Do Ville Lake Sand & Gravel Co., Toledo, Ohio
Empire Limestone Co., 19 Hudson, Buffalo, N. Y.
Erie Sand & Gravel Co., Erie, Pa.
Evansville Sand & Gravel Co. (Screened Ohio River), 204 Merchants Bank bldg, Evansville, Ind.
Everhard Co., Massillon, O.
Ferrell F. E. & Co., 730 S California, Stockton, Cal.
Fitzgerald J. W. Co., Savannah, Ga.
Fleming Alfred J., 109 Broad, New York
Fresno Rock Products Co., Bank of Italy bldg, Fresno, Cal.
Garden City Sand Co., Chamber of Commerce bldg, Chicago
Grant Gravel Co., Flatiron bldg, San Francisco, Cal.
Grant Rock & Gravel Co., Cory bldg, Fresno, Cal.
Greenville Gravel Co., Greenville, O.
Guadalupe River Navigation Co. (Washed & Screened), Victoria, Tex.
Hainsport Mining & Transportation Co., Beach & Berks, Phila., Pa.
Hall T. J. & Co. (Washed River Sand & Gravel), 450 Pearl, Cincinnati, O.
Halliday H. H., Cairo, Ill.
Harrison Bros. Co., Tacoma, Wash.
Hawkey Fuel Co., Terminal bldg, Spokane, Wash.
Hime J. R. Sand Co. (Producers Asphalt, Brick & Plaster Sand, etc), Junction City, Ga.
Homegardner Sand Co., Sandusky, O.
Hugger Bros. Constr. Co., 910 Bell bldg, Montgomery, Ala.
Humboldt Gravel & Tile Co. (Washed & Screened Sand & Gravel Producers), Humboldt, Iowa
Hunkins-Willis Lime & Cement Co., Century bldg, St. Louis, Mo.
Independent Gravel Co. (Flint Mine Screenings), Webb City, Mo.
Iron City Sand Co., Bessemer bldg, Pittsburgh, Pa.
Janesville Sand & Gravel Co., Janesville, Wis.
Joliet Sand & Gravel Co., 343 S Dearborn, Chicago, Ill.
Kaw River Sand Co., 101H Ry. Exchange, Kansas City, Mo.
Keener Sand & Clay Co., Hartman bldg, Columbus, O.
Kelley Island Lime & Transport Co. (Washed Sand, etc), Leader News bldg., Cleveland, O.
Kickapoo Sand & Gravel Co., Attica, Ind.
King J. B. & Co., 17 State, New York
Kings Crown Plaster Co., Cedar Rapids, Ia.
Kriegshaber V. P., 227 Peachtree, Atlanta, Ga.
Lake Shore Sand & Gravel Co., Cuyahoga & W 3d, Cleveland, O.
Land Improvement & Supply Co., H Diamond Bank bldg., Pittsburgh, Pa.
Lawrence Sand Co., New Castle, Pa.
Lorain Sand & Gravel Co., Lorain, O.
Lyman Richey Sand Co. (Sand Only), Omaha, Neb.
Miller & Coulson (Dealer), 5748 Ellsworth av, Pittsburgh, Pa.
Millwood White Sand Co. (White), Jackson, O.
Milwaukee Sand & Gravel Co., 779 N Water, Milwaukee, Wis.
Missouri Portland Cement (Also Producers), Post Dispatch bldg, St. Louis, Mo.
Monarch Clay Mining Co., Bellevue, Ky.
Mont Alto Sand Co., Waynesboro, Pa.
Murray Jos. & Co. (Rockaway White Sand), 263 Av C, New York
Mushet W. E. Co. (Jobbers), 502H Mission, San Francisco, Cal.
Nassau Sand & Gravel Co., 17 Battery pl, New York
New Lexington Sand Co., New Lexington, Ohio
New York Pyrites Co. Inc., 25 Broad, New York
Niles Sand Gravel & Rock Co., 704 Market, San Francisco, Cal.
Northern Gravel Co. (Producers), Muscatine, Iowa
Ogle Bros. (Washed), 3829 10th av, Seattle, Wash.
Ohio River Sand Co., Louisville, Ky.
Oklahoma Supply & Navigation Co., Muskogee, Okla.
Petersburg Sand & Gravel Corp., Petersburg, Va.
Pettinos Geo. F., 701 Abbott bldg, Phila., Pa.
Phoenix Sand & Gravel Co., 21 E 40th, New York
Pioneer Sand & Gravel Co. (Washed & Screened Sand & Gravel), Seattle, Wash.
Portage Silica Co., Youngstown, O.
Powell Bros., Inc., 2008 Pearl, Alameda, Cal.
Pratt Bldg. Material Co., Hearst bldg, San Francisco, Cal.
Raritan Ridge Clay Co., Metuchen, N. J.
Rhodes-Jamieson & Co., B'way Wharf, Oakland, Cal.
Richardson Sand Co., 6647 Ridge av, Chicago, Ill.
Ridgeview Sand Co., Oil City, Pa.
Rock Island Sand & Gravel Co., Rock Island, Ill.
Rodgers Sand Co., Wood & Water, Pittsburgh, Pa.
Savage-Scofield Co., Tacoma, Wash.
Sherman-Moore Co., Lowell, Mass.
Shiely J. L. Co. (Washed), St. Paul, Minn.
Slider E. T. (Engine, Furnace, Concrete & Brick Sand and Concrete & Roofing Gravel), New Albany, Ind.
Smith Clarence L. Co., 52 Van av, New York
Somerset Stone Co., Johnstown, Pa.
Southern Paving Gravel Co., Savannah, Ga.
Southern Sand & Gravel Co., Richmond, Va.
Spinks H. C. Clay Co., Newport, Ky.
Squier Ed. E. Co., Federal Reserve Bank bldg, St. Louis, Mo.
Standard Rock & Gravel Co. Inc., 205 W San Fernando blvd, Burbank, Cal.
Standard Silicon Co., Ridgway, Pa.
Star Sand Co., Board of Trade bldg, Portland, Ore.
Steers Henry Inc., 17 Battery pl, New York
Steers Hy. Sand & Gravel Co., 17 Battery pl, New York
Stewart Sand Co., 615 Amer. Bank bldg, Kansas City, Mo.
Stone E. B. & A. L. Co., Claus Spreckles bldg, San Francisco, Cal.
Superior Sand Co., Guardian bldg., Cleveland, O.
Tecumseh Gravel Co., Tecumseh, Mich.
Thompson Warner R., Kerr bldg., Detroit, Mich.
Toledo Builders Supply Co., Spitzer bldg, Toledo, Ohio
Toledo Plaster & Supply Co., 515 Madison, Toledo, O.
Union Rock Co., 1403 E 16th, Los Angeles, Cal.
Utica Fire Sand Co. (Furnace, Glass, Molding, Core, Sawing & Washed Fire Sand), Utica, Ill.
Vanderbilt, E. D. Co., Hoboken, N. J.
Warner Chas. Co. (Dredge & Shipper), I. O. O. F. bldg, Wilmington, Del.
Waterbury Sand & Gravel Co., Waterbury, Conn.
Waupaca Sand & Gravel Co. (Washed), Waupaca, Wis.
Whidby Is. Sand & Gravel Co., Bellingham, Wash.
Whitehead Bros. Co., 537 W 27th, New York
Wilson Sand & Supply Co., Huntington, W. Va.
Winfield Limestone Co., 2215 Oliver bldg, Pittsburgh, Pa.
Yahola Sand Co., Muskogee, Okla.

12908-9—Sand & Gravel Heaters & Dryers

See also Dryers, Various Kinds

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Blower Co., 6004 Russell, Detroit, Mich.
American Process Co., 68 William, New York
Barber Asphalt Co. ("Iroquois"), Land Title bldg, Phila., Pa.
BARTLETT & SNOW CO., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Buckeye Dryer Co., Inc., Railway Exchange Bldg, Chicago, Ill.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Christie L. R. Co., 501 Peoples Bank bldg, Pittsburgh, Pa.
Coatesville Boiler Works, 111 S 15th, Philadelphia, Pa.
Connery & Co. Inc., 4000 N 2nd, Phila., Pa.
See adv index at end of book
Cummer F. D. & Son Co., H, Hanna bldg, Cleveland, O.
Darby Boiler Works ("Darby" Sand Dryer), 226 Quicrolo, Los Angeles, Cal.
Dover Boiler Works; Sales Office, 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Dyar Supply Co. ("Dyar"), 66 B'way, Cambridge, Mass.
Fox Bros. & Co., 126 Lafayette, New York
Geiger Iron Works, Scotts av & Union, Stockton, Cal.
Handlan-Buck Mfg. Co. ("Champion"), 210-14 N 3d, St. Louis, Mo.
Hadfield-Penfield Steel Co. (The), Bucyrus, O. *See adv index at end of book*
Honhorst Joseph Co. (Portable Gravel Dryers), 1016 W 6th, Cincinnati, O.
Horton Steel Works Ltd., 118 Janet, Bridgeburg, Ont., Can.
Indiana Foundry Co. ("Sutton" Dryer), Indiana, Pa.
Littleford Bros., 444 E Pearl, Cincinnati, Ohio *See adv index at end of book*
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

Manitowoc Engineering Works, Manitowoc, Wis.
Pangborn Corp., Hagerstown, Md.
Pioneer Iron Works, 149 Pioneer, Brooklyn, N. Y.
Punxsutawney Foundry & Machine Co. (Sand Dryers), Punxsutawney, Pa.
Renneburg E. & Sons Co., 2639 Boston, Baltimore, Md.
Ripley Fdry. & Machine Co., Ripley, Ohio
Roberts & Schaefer Co. ("Beamer" Steam & "Perfection" Stove), 1110 Wrigley bldg, Chicago, Ill.
Robertson Wm. & Co. (Dryers), 20 W Jackson blvd, Chicago, Ill.
Ruggles Coles Engineering Co. ("Ruggles Coles" Dryers), 120 B'way, New York
Russell Daniel Boiler Works, 93 Boston, Boston, Mass.
Stockton Iron Works, Lindsay & Harrison, Stockton, Cal.
Traylor Engng. & Mfg. Co., Allentown, Pa.
Turl Iron & Car Co., Inc., The, 50 Broad, New York. Works: Newburgh, N. Y.
Union Iron Works, Hoboken, N. J.
Vissering Harry & Co. ("Viloco"), 14 E Jackson blvd, Chicago, Ill.
Wellington Machine Co., Wellington, O.
Zeinicker Walter D. Supply Co. (Dir), 325 Locust, St. Louis, Mo.

Sand & Gravel Plants (Complete)

See Sand Handling Plants

12910— Sandals (Asphalt)

Barber Asphalt Paving Co. ("Iroquois"), Land Title bldg, Phila., Pa.

12911— Sanders (Car)

Barber Asphalt Co. ("Iroquois"), Land Title bldg, Phila., Pa.
Nichols-Lintern Co. (Electric), 8404H Lorain av, Cleveland, Ohio
Ohio Brass Co., The, Mansfield, Ohio

12911a— Sanders (Belt)

PORTER-CABLE MACHINE CO. (THE) (Bed adjustable to horizontal or vertical, Portable, Motor Driven), 708 N Salina, Syracuse, N. Y.

12911b—Sanders (Spindle)

PORTER-CABLE MACHINE CO. (THE) (Combined Oscillating and Non-Oscillating Motor Driven, Portable Bench or Pedestal), 708 N Salina, Syracuse, N. Y.
See adv index at end of book

12912—Sap Stain Preventive

Booth & Boyd Lbr. Co., Saginaw, Mich.
Church & Dwight Co. ("Zenith," Anti-Sap Stain Powder), 27 Cedar, New York
MATHIESON ALKALI WORKS INC. ("Eagle" & "Thistle" Brand for Prevention of Sap Stain or Bluing of Timber), 25 W 43rd, New York
See adv index at end of book

12913— Saponifier

Benson Bros. (Crude), Ottawa, Ill.
Herrick Clay Mfg. Co. (Crude), Ottawa, Ill.
Penna. Salt Mfg. Co., Widener bldg, Phila., Pa.

12914— Sash Balance Mfrs.

Caldwell Mfg. Co., Rochester, N. Y.
Columbian Hardware Co., Cleveland, O.
Edwards O. M. Co., Inc. (Railroad Car Sash Balance Rollers), Syracuse, N. Y.
National Lock Washer Co., 40 Herman, Newark, N. J.
Pullman Mfg. Co. ("Pullman" Unit Sash Balances), Rochester, N. Y.
Stearns E. C. & Co. ("Vanderbilt") 450 Oneida, Syracuse, N. Y.

12915—Sash Bars (Wood & Metal Combined)

Coulson J. W. & Co., Columbus, O.

12916— Sash Bolt & Support

Smith & Egge Mfg. Co. ("Kings"), Bridgeport, Conn.

12917— Sash Bolts (Ventilating)

Corbin) & F. ("Corbin"), Dept. H, New Brit in, Conn.

12917a—*Sash Cord Mfrs. (Steel)

ROEBLING'S JOHN A. SONS CO., Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book

12918—Sash Cord Mfrs. (Steel Wire)

AMERICAN STEEL & WIRE CO., (Tinned & Coppered), 208 S La Salle, Chicago, Ill. *See adv index at end of book*
FISCHER & HAYES ROPE & STEEL CO., 816 W Erie, Chicago, Ill.
See adv index at end of book
Moon Geo. C. Co. ("Crescent"), Garwood, N. J.
ROEBLINGS JOHN & SONS CO., Trenton, N. J. *See adv index at end of book*
Upson-Walton Co., 1294 W 11th, Cleveland, O.

12919—Sash, Door & Blind Mfrs.

Firms that have no mark in front of Names and also those indicated by (*) Star are Manufacturers; those indicated by a (†) Dagger are Dealers

ALABAMA.

ALEXANDER CITY—*Alexander City Mfg. Co.
ANDALUSA—*Andalusia Mfg. Co.
BIRMINGHAM—*Birmingham Sash & Door Co.
Jenkins Lumber Co.
CULLMAN—*Arnold Casper & Son
FLORENCE—Muscle Shoals Lumber Co.
GADSDEN—*Southern Mfg. Co.
MOBILE—*Mobile Sash & Door Co.
*Turner F. C. & Co.
MONTGOMERY—*Crampton Lbr. Co.
PHOENIX—*Butts Lbr. Co.

ARIZONA.

PHOENIX—Southwestern Sash & Door Co.
TUCSON—*Arizona Lumber & Mill Co.

ARKANSAS.

FORT SMITH—*Dyke Bros.
*Kenney Bros. (Wholesale)
*Mechanics Planing Mill Co.
HOT SPRINGS—*Valley Planing Mill Co.
LITTLE ROCK—Abeles C. T. & Co.
*Beeler A. B. & Son

CALIFORNIA.

ALAMEDA—*Plummer Geo. E. & Son
ANTIOCH—Antioch Lbr. Co.
BAKERSFIELD—*Union Lumber Co.
BERKELEY—Berekeley Sash & Door Co., Dwight Way & 5th
*Bruce Lumber & Mill Co.
FORTUNA—Humboldt Milling Co.
FRESNO—Bingham-Wenks Planing Mill, 1842 Clay
*Fresno Planing Mill Co.
Hollenbeck-Bush Co., Van Ness & Lorena
*Madary's Planing Mill
HEMET—Spaulding H. H.
HOBART MILLS—*Sierra Nevada Wood & Lumber Co. (Wholesale)
LONG BEACH—Baker-Gickman Co., 1460 W Anaheim
Merrill Tom Sash & Door Co., 1701 Ocean av
Dillman I. M.
LOS ANGELES—American Mfg. Co., 5810 S Normandie
*Builders Supply Co.
*California Door Co., 237 Central av
*California Planing Mill & Lumber Co.
Consolidated Lumber Co., Watts
Cowan H. V. (Wholesale Mfrs.), 1336 E 15th
*Crown Sash, Door & Mill Co., 2416 McPherson
Deats Sash & Door Co., 1832 E 16th
Delta Mfg. Co., 2704 Santa Fe av
Duncan D. D. & Co., E 58th, at Central av
Glasby & Co., 2120 E 25th
Graves Frank, Sash, Door & Mill Co.
Hammond Lumber Co., 2010 S Alameda
Hatten T. B. Co. Inc., 1600 E Washington
*Hepburn Mill Co., 176 E Slauson av
Ideal Mfg. Co., 6823 Santa Monica blvd
Kerckhoff-Cuzner Mill & Lumber Co., 560 S Main
*Kling Mfg. Co., 1601 E 15th
*Los Angeles Planing Mill Co.
Loyd C. E., 373 E 2d
*Miller Box Mfg. Co., 201 N av 18th
Monarch Screen Mfg Co., E 39th & Ross
*Pacific Coast Planing Mill Co., 3310 S Main
*Pacific Door & Sash Co., 3216 S Main
Pacific Mfg. Co., 1121 Washington
Raphael H. Co. (Wholesale Dealers)
Rhodes-Hamel Mfg. Co. (& Frames), 6623 Stanford av
*Southern California Hardwood & Mfg. Co., 1430 S Alameda
*Standard Door & Sash Co., 830 McGarry
Theriot Fred J. (Mfrs.), 5124-6 Moneta av
WESTERN BLIND & SCREEN CO. ("Western" Venetian Blinds Only), 2700 Long Beach av
See adv index at end of book
NAPA—*Corlett Planing Mill Co.
OAKLAND—*Atkinson Mill & Mfg. Co. Inc., Chapman & Derby
*Burnham-Standeford, Washington & 1st
*California Door Co., c 16th & Wood
Contractors & Builders Supply Co., 1403 5th
Duner-Matheny Sash & Door Co., 4208 E 14th
Nicolai Door Co. of Cal., 1807 E 12th
Sunset Lumber Co., 1st & Oak
Waterfront Sash & Door Co., 2d & Alice
PASADENA—Crown City Mfg. Co., 257 W Green
Kerckhoff-Cuzner Lumber Co.
*Pasadena Mfg. Co.
PETALUMA—Camm & Hedges Co.
PLACERVILLE—Beach S. G. & Sons
RIVERSIDE—Cresmer Mfg. Co., Inc., 170 E 8th
SACRAMENTO—*Burnett & Son
Sacramento Builders' Supply Co.
Sacramento Lumber Co.
Sacramento Planing Mill & Furniture Co.
SAN DIEGO—*Russ Lumber & Mill Co.
SAN FRANCISCO—California Door Co. (Wholesale Mfrs.), 43 Main
California Mill Co., 645 Bryant
California Sugar & White Pine Co., 1st Nat'l Bank bldg
Dean Reversible Window Co. Inc., 551 Brennan
Eureka Sash, Door & Moulding Mills, 1715 Mission
Hammond Lumber Co. (Wholesale Mfrs.), 260 California
National Mill & Lbr. Co., 320 Market
Nicolai Door Co. of Cal., 19th & Harrison
Redwod Mfrs. Co. ("Remco"), H, Hobart bldg
Wilson Bros. & Co., 110 Market
SAN JOSE—*Chase S. H. Lumber Co.
Hubbard & Carmichael Bros.
*Santa Clara Valley Mill & Lumber Co. (Wholesale)
SANTA ANA—Griffith Lumber Co.
Pendleton S. H. Lumber & Mill Co.
SANTA BARBARA—Union Mill Co.
SANTA CLARA—Pacific Mfg. Co. (Wholesale Mfrs.)
SANTA ROSA—Berka F.
STOCKTON—Simpson Gray Lumber Co.
Stockton Lumber Co.
WEED—*Weed Lumber Co. (California White Pine)

COLORADO.

COLORADO SPRINGS—Newton Lumber & Mfg. Co.
DENVER—†English R. W. Lumber Co., Equitable bldg
Hallack & Howard, Lumber Co.
McPhee & McGinnity Co.
GLENWOOD SPRINGS—Glenwood Lumber & Mfg. Co.
PUEBLO—King Investment & Lumber Co.
Newton Lumber & Investment Co.

CONNECTICUT.

BRIDGEPORT—Burritt A. W. Co., Knowlton & Arctic
Miller Frank Lumber Co., 156 E Washington av
DANBURY—Armstrong I. & Co.
Foster Bros.
GREENWICH—Greenwich Sash & Door Co.
HARTFORD—Andrews & Peck Co.
MERIDEN—Morehouse Bros. Co.
MIDDLETOWN—Loewenthal Gustav Co.
NEW BRITAIN—Rogers Sash & Door Co.
NEW HAVEN—Clark David H. Co., 166 Brewery
†Connecticut Sash & Door Co., 248 Park
Gibbud M. J. Co., 107 Water
Hawthorne Lewis Co., 47 Chestnut
NORWALK—*Malkin A. R. & Co.
†Thompson Frederick W. Co.
NORWICH—†Chappel Edw. Co.
Crowell Fred C.
PUTNAM—Wheaton Building Lumber Co.
STAMFORD—St. John Wood Working Co.
TORRINGTON—*Hotchkiss Bros. Co.
WATERBURY—Brass City Lumber Co.
Smith J. E. & Co., 65 Benedict
Waterbury Lumber Co., 107 Meadow
WILLIMANTIC—†Hillhouse & Taylor

DELAWARE.

DOVER—Hartnett J. A. & Bro.
GEORGETOWN—Thoroughgood Co.
WILMINGTON—Kiamensi Clay Co., Equitable bldg
*Wilmington Sash & Door Co.

DISTRICT OF COLUMBIA.

WASHINGTON—Barber & Ross, 11th & G., N W
Barker Geo. M., 649 N. Y. av, N W
Crupper Jos. L., 13th & Ohio av, N W
Dyer William H., 13th c Ohio, N W
Smith Thos. W., 1st & Indiana av, N W
Washington Woodworking Co., 200 12th, N W

FLORIDA.

APALACHICOLA—*Marshall John & Co.
GREENVILLE—Union Mfg. Co.
PALATKA—Selden Cypress Door Co. (Wholesale Mfrs.)
PLANT CITY—Roux E. T. & Son

GEORGIA.

AMERICUS—Americus Construction Co.
ATLANTA—*Phoenix Planing Mill
†Williams S. A. Lumber Co.
AUGUSTA—Augusta Lumber Co.
BURNT FORT—Buie J. C.
CARROLLTON—*New D. F.
CARTERSVILLE—Shaw L. F. & Sons Co.
CEDARTOWN—Hightower Planing Mill
COLUMBUS — Columbus Iron Works (Wholesale Mfrs.)
Dudley Sash, Door & Lumber Co.
Harvey W. T. Lumber Co.
CORDELE—Cordele Sash, Door & Lumber Co.
DALTON—Cherokee Mfg. Co.
Farrar Lumber Co.

(Continued on following page)

Sash, Door & Blind Mfrs.—Continued

GEORGIA—Continued
DUNWOODY—Cheek J. U.
EAST POINT—East Point Lumber Co.
GRIFFIN—Gresham Mfg. Co.
McDONOUGH—Carmichael Lumber Co.
Massee & Felton Lumber Co,
Willingham Sash & Door Co.
MARIETTA—Black Builders Supply Co.
NEWMAN—Cole R. D. Mfg. Co.
POPE'S FERRY—Dixie Lbr. Co.
ROME—Marshall Mfg. Co.
SAVANNAH—†Neal-Blun Co., 20 W Bay
THOMASVILLE—Kirby Planing Mill Co.
WASHINGTON—Washington Mfg. Co.
WEST POINT—Batson-Cook Co.

IDAHO.

BOISE—Goreczky A.
Ridenbaugh W. H.
COEUR D'ALENE—Blackwell Lumber Co.

ILLINOIS.

ALTON—*Ginter-Wardein Co.
Winter H. L. Mfg. Co.
ANNA—Anna Lumber & Mfg. Co.
AURORA—Johns & Brown Co.
BELLEVILLE—Storck Geo. & son
Teufel-Kloess Co.
BLOOMINGTON—*Minter Mfg. Co.
*White Sam'l R. Mfg. Co.
CHICAGO—*Anderson & Lind Mfg. Co., 2127 Iowa
Avondale Sash & Door Co., 3515 Belmont av
Bahe, Edward J. 2349 Nelson
Bartelmann R. W. Co., 931 W North av
Bleck Wm. F. Co., 1846 N Lamon av
*Builders' Mfg. Co., 828 N Wells
Builders' Supply Co., 2228 W Madison
Cairo Wood Products Co., 189 W Madison
California Mfg. Co., 2243 S Troy
Chicago Millwork Supply Co. (Wholesale), 1404 W 37th
*Chicago Sash, Door & Blind Mfg. Co., 1249 W North av
*Commercial Sash & Door Co., 4914 S Paulina
*Dietsch A. Co., 2640 Sheffield av
*Diouhy Vincent Sash & Door Co., 2138 Laflin
†Dodge H. B. & Co., 332 S Mich. av
Ehrhart Louis & Son, 4826 Wrightwood
Filip Meydrech & Co., 1420 W 21st
*Gardner Mill Co., 2415 Elston av
*Gauger John A. & Co. (Wholesale Mfrs.), 1434 W 22d
Gisselbrecht & Sator, 2025 N Mozart
Gosch Bros. & Sons, 6436 Wentworth av
Hegener Rudolph Co., 9246 Harbor av
Heitmann Lumber Co., 1545 E 61st
Hess Frank & Sons, 2339 N California av
Hines Edw. Lumber Co., 2431 S Lincoln
Johnson Jno. L., 4250 Lincoln av
King Patrick J., 1740 N Crawford
*Lockwood & Strickland Co., 49th & Halsted
McKay Angus Co., 724 S Desplaines
Manhattan Lumber Co., 8338 Coml. av
Melrose Mill Co., 2707 Clybourn av
*Morgan Sash & Door Co. (Sash, Open, Glazed, Doors, Veneered Doors, Blinds & Shutters), 2287 Blue Island av
Morris Wm. & Sons Co., 1000 W 50th
North Side Sash & Door Co., 69 W Washington
North Shore Building Materials Co., 1237 Belmont av
Paine Lumber Co. (Ltd.), 2951 Carroll
Peterson C. E. Co., 4914 Wentworth av
Pilsen Sash & Door Co., 2926 W 26th
Ringwald F. A., 39 S La Salle
*Rinn Philip Co., 719 W Division
Rittenhouse & Embree Co., 3500 S Racine av
Roberts Sash & Door Co., 920 W 20th
*Skowronski W. J., 8201 Colfax av
South Side Interior Finish Co., 5837 Laflin
*Standard Sash & Door Co., 5809 S Racine av
Ullrich August G., 3864 Archer av
Union Interior Finish Co., 5319 S La Salle
*Von Platen & Dick Co., 2248 W Kinzie
Wabash Screen Door Co., 111 W Washington
Wilborn Jas. Jr., 1539 N Kilpatrick
DANVILLE—Lamm Edw. C.
DECATUR—Decatur Lumber & Mfg. Co.
Lyon Geo. S. & Sons Lumber & Mfg. Co.
ELGIN—*Rinehimer Bros. Mfg. Co.
FREEPORT—*Dirksen R. D.
HOOPESTON—Hoopeston Planing Mill Co.
JACKSONVILLE—Crawford Lumber Co.
JOLIET—*Alexander M.
Hacker C. Co.
Joliet Sash & Door Co.
KANKAKEE—Paulissen Mfg. Co.
LA SALLE—Hunter, Stevens & Co.
LINCOLN—Hungerford P. B.
MOLINE—Dimock, Gould & Co.
NAPERVILLE—Schwartz Charles L.
NORMAL—Metcalf E. J.
NORTH AURORA—Hartsburg & Hawksley Co.
OAK PARK—Bedard & Morency Mill Co.
OTTAWA—Sanders Bros. Mfg. Co.
Sinnott Bros.
PEKIN—Conklin-Reuling Co.
PEORIA—Best Mfg. Co.
Rothan Geo. J.
Wahlfeld Mfg. Co.
PERU—Maze W. H. Co.
QUINCY—Menke-Grimm Planing Mill Co.
Schutte Henry Sons
ROCKFORD—Rockford Builders' Supply Co.
ROCK ISLAND—Rock Island Sash & Door Works
Rock Island Wood Works
Volk Jno. & Co.
SPRINGFIELD—Power Chas. A.
STREATOR—Schlachter Philip Jr.
WAUKEGAN—Dow William H. Mfg. Co.
WEST CHICAGO—West Chicago Sash & Door Mfg. Co.

INDIANA.

ANDERSON—Atherton M. Sons
Salling N. P.
BERNE—Berne Lumber Co.
Gilliom Lumber Co.
BLOOMINGTON—Fulwider Lumber Co., 323 W 3d
Lanum S. O. Planing Mill Co.
BOONVILLE—White C. P. Lumber Co.
BRAZIL—Halstead J. N. Lumber Co.
Wilder E. D. & Co.
BROOKVILLE—Fieber & Holmes
CANNELTON—Cannelton Planing Mill Co.
COLUMBUS—Dunlap & Co.
Hege & Co.
CRAWFORDSVILLE—Smith & Duckworth
DECATUR—Kirsch Peter
ELNORA—Meicheimer G. T.
EVANSVILLE—Cottage Building Co., 516 S Governor
Evansville Planing Mill Co., 1510 N Garvin
Evansville Sash & Door Co. (Wholesale Mfrs.), 204 Merchants Bank bldg
McFerson & Foster Co.
Mechanics' Planing Mill Co., 1716 Main
Rechtin T. E.
FORT WAYNE—*Fort Wayne Builders Supply Co.
Fort Wayne Lumber Co.
Rhinesmith & Simonson
GARRETT—Allman N. R. & Sons
GOSHEN—Goshen Sash & Door Co.
GREENCASTLE—Grubb Geo. W.
HUNTINGTON—Kenower John & Sons
INDIANAPOLIS—Adams-Rogers Co., Ray & Drover
*Balke & Krauss Co., 427 Market
Brannum-Keene Lumber Co.
Capitol Lumber Co., 49th & Monon
Carter-Lee Lumber Co., 1621 W Washington
*Dynes-Pohlman Lumber Co., Monon R. R.
Foster R. S. Lumber Co., 1700 Ky. av
†Maas-Neimeyer Lumber Co., 21th & Monon
Wilkinson Allen A. Lumber Co. (Wholesale Mfrs.)
JASPER—Schaaf & Schnaus Mfg. Co.
KOKOMO—Armstrong, Landon Co.
*Moore & Danner
LADOGA—*Huntington & Son
LAFAYETTE—*Lafayette Lumber Co.
LA PORTE—*La Porte Sash & Door Co.
LEBANON—Campbell-Smith-Ritchie Co.
LEWISVILLE—Smith R. R. Sons
LOGANSPORT—Parker & Johnston
MICHIGAN CITY—Root Mfg. Co.
NORTH VERNON—*Miller J. H.
PRINCETON—Ford Lumber Co.
RICHMOND—Advance Co.
SEYMOUR—Carter, Travis Co.
Seymour Planing Mill Co.
SOUTH BEND—Donahue J. E. Lumber Co.
Eckler Henry Mfg. Co.
Indiana Lumber & Mfg. Co.
McErlain & Jackson Co.
TELL CITY—*Tell City Planing Mill
TERRE HAUTE—Martin T. J. Co.
VALPARAISO—*Bell E. A.
WABASH—Smith Hubbard Lumber Co.
WARSAW—Peterson Lumber Co.
WASHINGTON—Cosby Overton M.
WOODBURN—*Woodburn Lumber Co.

IOWA.

BOONE—Wester S. J. Mfg. Co.
BURLINGTON—Nairn, Gillies Co. (Wholesale Mfrs.)
CALMAR—Calmar Mfg. Co.
CEDAR FALLS—Weisbard C. C.
CEDAR RAPIDS—Cedar Rapids Sash & Door Co.
Disbrow Sash & Door Co. (Wholesale Mfrs.)
Williams & Hunting Co. (Sash & Mouldings)
CHARLES CITY—*Smith George P. Co.
CLINTON—Curtis Bros. & Co. (Wholesale)
DAVENPORT—Gordon, Vantine Co.
*McClelland T. W. Co. (Sash & Doors Only)
DES MOINES—Carr & Baal Co. (Wholesale Mfrs.)
Loetscher & Burch Mfg. Co.
DUBUQUE—*Carr-Ryder & Adams Co. (Whol.)
Farley & Loetscher Mfg. Co. (Wholesale Mfrs.)
Metz Mfg. Co.
KEOKUK—Carter Mfg. Co.
LYONS—Disbrow M. A. & Co.
MUSCATINE—Huttig Mfg. Co. (Wholesale)
*Roach & Musser Co. (Wholesale Mfrs.)
OTTUMWA—*Snook & Sons
SIOUX CITY—*Curtis Sash & Door Co. (Wholesale Mfrs.)
National Wood Works
Soiset Bros.
WATERLOO—Nauman Co.

KANSAS.

ATCHISON—Carlise-Pennell Lumber Co.
Kaaz Mfg. Co.
FORT SCOTT—Ireland & Rollings
HUTCHINSON—Hutchinson Lumber & Planing Mill Co.
*Snyder Co.
INDEPENDENCE—Atchinson Revolving Door Co., Dept. H
Uhrich Mill Work Co., Dept. H
LEAVENWORTH—Goodjohn Sash & Door Co.
TOPEKA—*Central Sash & Door Co.
WICHITA—*United Sash & Door Co.
*Wichita Sash & Door Co.

KENTUCKY

BOWLING GREEN—*Kister F. L., Jr.
Roemer Bros.
COVINGTON—Brownfield J. A., 33 W 8th
Hellman Jas. A., 33 W 8th
HENDERSON—Johnson P. P. & Son
HOPKINSVILLE—*Forbes Mfg. Co.
LEXINGTON—Jackson J. T. Lumber Co.
*Spotswood E. R. & Son
LOUISVILLE—Fry Planing Mill Co.
†Hughes W. J. & Sons Co.
Louisville Planing Mill Co., Beech & Woodland
*Struck Construction Co., Garden
MOUNT STERLING—Star Planing Mill Co.
NEWPORT—*Weingartner's Joseph Sons

LOUISIANA.

LAKE CHARLES—Lake Charles Planing Mill Co., Ltd.
LUTCHER—*Lutcher & Moore Cypress Lumber Co. (Ltd.) (Wholesale Mfrs.)
NEW IBERIA—*Trainor's O. J. Son
NEW ORLEANS—*Algiers Sash & Planing Mill, 429 Patterson
*American Mfg. Co., 2101 Louisiana
*Crescent City Mfg. Co. (Ltd.), 628 Tchoupcialize
*Lagasse Paul, 826 9th
*National Sash & Door Co., N Dupre & Toulouse
SHREVEPORT—*Allen Mfg. Co. (Ltd.)
*Hardman C. C. Co.
Roberts-Brown Lumber Co. (Ltd.)
Victoria Lumber Co. (Ltd.)

MAINE.

BATH—*Passmore H. T.
BELFAST—*Durham J. C. Co.
*Mathews Bros.
CAMDEN—*Camden Lumber Co.
DEXTER—Eldridge Bros.
PORTLAND—†Brown Co., Fidelity bldg
†Farnham H. F. Co.

MARYLAND.

BALTIMORE—Baltimore Lumber Co., 1123 E Bolt
*Dorsey Wm. C., Highland av & Phila. rd
†Foster James P. & Co., 115 S Frederick
Gilbert J. L. & Bro. Lumber Co., Garrisson & P. R. R.
Hanneman Aug., Milton av & Monument
Heise & Bruns Mill & Lumber Co., 600 S Caroline
†Keen W. F. & Co., 4317 York rd
Lafayette Mill & Lumber Co., Lafayette av & P. B. & W. R. R.
Mottu Theo & Co., 1022 Penna av
Scherer Wm. C. & Co., 810 W Balto.
Short John H. & Sons, 5 Uhler
Thomas Jos. & Son, 836 Leadenhall
Tinley Bros. Co., Bush & Nanticoke
Wagner Lewis Co., Wolfe & Thames
Waters Geo. E. & Co., 922 Park av
CHESTERTOWN—*Culp W. S. & A. M.
CUMBERLAND—†Cumberland Sash & Door Co.
ELKTON—†Keys & Miller Lumber Co.
FREDERICK—Bowers W. D. Lumber Co.
Wilcoxon & Brown
HAGERSTOWN—Danzer Lumber Co.
HAVRE DE GRACE—†Dubois Jno. E.
LAUREL—†Shaffer C. F. Lumber Co.
LUKE—*Sigler Wm. T.
SALISBURY—*Adkins E. S. & Co.
Salisbury Woodworking Co.
SNOW HILL—†Corddry Co.

MASSACHUSETTS.

ADAMS—†Arnold Wm. H.
†Holden M. J. Lumber Co.
ATHOL—*Raymond Alfred J.
*Tyler A. F. Co.
AYER—†Phelps Levy W.
BARRE PLAINS—*Rich T. E. Co.
BOSTON—*Brockway-Smith Corp., 98 Canal
†Carlisle-Ayer Co., 55 Portland
*Chapman H. B. Co., 81 Bristol
†Ellms H. E. & Co., 22 Washington, N
†Hastings A. W. & Co., 134 Friend
†Jackson & Newton Co., 105 Portland
*Johnson Thos. J. & Co., 396 Washington
*Newton F. C., 57 Bristol

***STEARNS A. T. LUMBER CO.,** 100 Taylor, Boston, Mass.
See adv index at end of book
*West End Sash Co., 53 First
BROCKTON—Mitchell Isam & Co.
†Taunton Lumber Co.
CLINTON—*Fuller Wm. A.
†Howe N. L.
FALL RIVER—†Borden, Cook & Co.
†Neill, J. C. Hardware Co. (Dealers)
†Prosser Wm. & Son
FITCHBURGH—†Webber Lumber & Supply Co.
GARDNER—Favor Frank M.
GLOUCESTER—†Nauss L. B. Sons
HAVERHILL—†Chase D. D. Lumber Co.
†McGratty & Wheeler
HINGHAM—Whitney Everett E.
HOLYOKE—*Ely Lumber Co.
*Merrick Lumber Co.
*Ranger Casper Lumber Co.
HUDSON—†Robertson & Larkin
HYDE PARK—*Hodkinson J. & Son
LAWRENCE—*Briggs & Allyn Mfg. Co.
†Lawrence Lumber Co.
LOWELL—†Bennett J. C.
*Pratt Amasa Co.
LYNN—*Brockway-Smith Corp'n
†Hutchinson Lumber Co.
MALDEN—†Kaulbach W. S.
§Malden City Lumber Co.
MARBLEHEAD—*Bowden Thos. J. & Son
MIDDLEBORO—†Sears Lumber Co.
NATICK—Fiske Corp.
NEW BEDFORD—*Blossom Bros.
*Greene & Wood
†Nicholson John G.
NORTH ADAMS—*Dibble (The), S. B. Lumber Co.
NORTHAMPTON—†Merrick Lumber Co.
PITTSFIELD—†Berkshire Lumber Co.
*Faulkner Lumber Co.
†Ferry C. S. & Son, Inc.
PLYMOUTH—†Atwood Robbins Lumber Co.
PROVINCETOWN—†Dyer B. H. & Co.
SOUTH HADLEY—*Howard, Gaylord & Co.
SOUTH HADLEY FALLS—†Street Lumber Co.
SPRINGFIELD—†Decker E. S., 38 Cass
*Hampden Lumber Co.
*Walker T. M. Co., 41 Market
TAUNTON—†Sanders Lumber Co.
*Williams A. G. & Co.
TURNERS FALLS—†Bartlett Joseph F.
WAREHAM—†Gifford Prince
WEBSTER—†Pattison Louis E.
WESTFIELD—†Merrick Lumber Co.
WILLIAMSTOWN—†Moore Fred'k E.
WORCESTER—Adams & Powers Co., 152 Union Park
Hatch & Barnes Co., 196 Union Park
†Stevens Frank O. Co., 100 Exchange

MICHIGAN.

ALBION—†Wilder S. A. & Son
ALPENA—*Gebhardt, Morrow & Co.
ANN ARBOR—Luick Bros. & Co.
BATTLE CREEK—†North & Strong Lumber Co.
*Rathbun & Kraft Co.
BAY CITY—*Lamont Matthew Sons Co.
Lewis Mfg. Co.
Wolverine Lumber Co.
BIG RAPIDS—*Jones & Green
BRIGHTON—†Hyne F. T. & Son
CADILLAC—Cadillac Lumber Co.
Haynes Bros. Co.
CALUMET—*Armstrong-Thielman Lumber Co.
CHARLEVOIX—*Charlevoix Lumber Co.
CHEBOYGAN—*Cheboygan Mfg. Co.
COLDWATER—†Pollock S. & Son
DETROIT—Armstrong A. R., 148 W Kirby
Frohlich Glass Co., Larned & Shelby
*Huebner Mfg. Co., 1728 Mt. Elliott
*Hurd W. F. Co., 171 S Campbell av
*Japes Frank Co., 8th & Plum
*Kotcher C. W., 2137 Gratiot av
*Lowrie & Robinson Lumber Co., 2346 Jefferson av W
*Munroe Wm. Co., 994 Scotten av
*Sibley F. M. Lumber Co., Kercheval & Beaufault
Sisman Andrew Co. Co., 1221H Beaufait av
Southwick-Pom-McFate Co., St. Jean & Shoemaker
FLINT—†Randall Lumber & Coal Co.
FOSTER CITY—*Morgan Lumber & Cedar Co. (Sash, Open, Glazed, Doors, Veneered Doors, Blinds & Shutters)
GRAND RAPIDS—Edge Benj. F.
Grand Rapids Lumber Co. (Wholesale Mfrs.)
Stiles Bros. Co.
HARBOR BEACH—*Wellock Robinson
HOUGHTON—*Pryor James & Son
IRON MOUNTAIN—†City Lumber Yard
KALAMAZOO—*Dewing & Sons
LANSING—*Rikerd Lumber Co.
LUDINGTON—*Widmark H. P. & Son
MARCELLUS—*Hoover H. J.
MARINE CITY—†Zimmerman Bros.
MARQUETTE—Consolidated Fuel & Lumber Co.
De Hass, N. G.
MENOMINEE—†Gibout L. E.
*Kartheiser Frank
MONROE—†Beck C. F. & Son Co.
MUSKEGON—*Langeland Mfg. Co.
NADEAU—*Jean Augustine
OWOSSO—†Sturtevant & Blood Co.
PAW PAW—Free & Mutchler
PONTIAC—Pontiac Planing Mill Co.
Slater Construction Co.
PORT HURON—†Boyce Hardware Co.
*Home Mfg. Co.
SAGINAW—Booth & Boyd Lumber Co.
Jackson Thos. & Co. (Ltd.)
Mershon Eddy Parker Co.
Poison Wm. & Co.
ST. CLAIR—*Mills N. Lumber Mfg. Co.
ST. JOSEPH—†Wallace Jno. Sons Co.
SAULT SAINTE MARIE—*Lock City Mfg. Co.
SEBEWAING—*Sebewaing Lumber & Mfg. Co.
SHELBY—†Rankin A. J.
TRAVERSE CITY—*Greilick Mfg. Co.
WALDRON—*Abbaduska E. T.

MINNESOTA.

ADRIAN—†Shull J. & W. C.
BAYPORT—Anderson Lumber Co. ("Anderson" White Pine Window & Door Frames)
BLOOMING PRAIRIE—†Solberg A. Lumber Co.
CLOQUET—*Cloquet Lumber Co.
†Loisel Jos.
*Northern Lumber Co.
DULUTH—Baxter Sash & Door Co.
Duluth Lumber Co.
Scott-Graff Lumber Co. (Wholesale Mfrs.)
*Wallinder E. G.
*Woodruff Lumber Co.
FERGUS FALLS—*Fergus Mfg. Co.
FRANKLIN—†Hauser Lumber Co.
MINNEAPOLIS—*Bardwell-Robinson Co., (Sashes & Doors), 24th Av. N and 2nd
Bruer Bros. & Co., 2836 Lyndale av S
*Carlson Aaron, 15th av, nr Central av
Carr-Cullen Co., 10th av N E & Marshall
Fulton C. K. & Co., 922 2nd N
Hennepin Sash, Door & Lumber Co., Emerson av & 29th
*Johnson H. S. Co., 18th av cor Marshall
Johnson M. L. & Sons, 18th av N E & Marshall
Lawson & Nelson Sash & Door Co., 160 Western av, Minneapolis, Minn.
†McDonald John F. Lumber Corp Lumber Exchange
*Minneapolis Sash & Door Co., 962 Central av N E
Nicollet Sash & Door Co., 2900 Nicollet av
†North Side Sash & Door Co., 2328 N 2d
Radford & Wright Co., 528 Lumber Exchange
Red River Lumber Co., 807 Hennepin av.
*Simonson Bros. Mfg. Co., 1713 S 7th
Smith Sash & Door Co., 112 E Lake
*Smith & Wyman Co., 2d av & 8th
Wheeler-Osgood Co., Security bldg
*Wilcox Bros. Lumber Co., 930 Marshall N E
MINNESOTA TRANSFER—Brooks Bros., 1923 University av
MORRIS—†Jones Edw. J. Lumber Co.
RED WING—Red Wing Millwork Co.
ST. CLOUD—Dunnewold & Sartell
Foltmer Peter M.
*Wright F. M.
ST. PAUL—*Osgood & Blodgett Mfg. Co., Duluth av & E 7th
av & E 7th
*Villaume Box & Lumber Co., Chicago Indiana avs & Walter
SAUK CENTER—Independent Lumber & Coal Co.
STILLWATER—*Stillwater Mfg. Co.
WARREN—†Robertson Lumber Co.
WINONA—*Schroth & Ahrens Co. (Wholesale Mfrs.)

MISSISSIPPI.

CORINTH—†Pocahontas Lumber Co.
JACKSON—*Cambre Bros.
*Enochs Lumber & Mfg. Co.
†Jackson Lumber Co.
LOUISVILLE—Mitchell R. L. Lbr. Co.
MERIDIAN—*Bostick Lumber & Mfg. Co
VICKSBURG—*Curphey & Mundy
†Mississippi Lumber Co.

MISSOURI.

BOWLING GREEN—†La Crosse Lumber Co.
BUTLER—Logan-Moore Lumber Co. (See Kansas City)
Wyatt H. S.
CANTON—Canton Lumber Co.
CARTHAGE—*Home Lumber Co.
†Thomas B. F. Lumber Co.
FARMINGTON—*Doughty D. J.
†Lang & Bro. Mfg. & Merc. Co.
FREDERICKTOWN—†Fredericktown Lumber Co.
GLASGOW—Rall Alvin (Sash Door & Blind Mfr.)
HANNIBAL—Conlon John J.
*Meyer J. F. Mfg. Co.
KANSAS CITY—*American Sash & Door Co. (Wholesale Mfrs.), 16th & Bellefontaine
†Byrne J. M. Lumber Co., 900 E 18th
†Dierks Lumber & Coal Co., Gates bldg.
†Dierks & Sons Lumber Co., 19th S E cor Woodland
Federal Sash & Door Co., 18th & Wabash av
†Foster Lumber Co., R. A. Long bldg
*Huttig Mill Work Co. (Wholesale Mfrs.)
†Lee & Lyman Lumber Co., 2425 E 18th
Logan-Moore Lumber Co., City Club bldg
Nilson Carl A. Mill & Cab Factory, 4216 Euclid av
Weis Henry Cornice Co. (All Steel)
LOCKWOOD—†Eaton W. R. Lumber Co.
LOUISIANA—La Crosse Lumber Co.
MOBERLY—†Mounce D. H. & Co.
NEVADA—†Robinson J. B. & Son
ST. JOSEPH—†Biles N. D. & Co.
*†Collier-Adams Mfg. Co.
†Dougherty & Moss Lumber Co.
†Nold C. H. Lumber Co.
†St. Joseph Lumber Co.
ST. LOUIS—*Carondelet Planing Mill Co., 5826 S B'way
*Crescent Planing Mill Co., 3227 N 9th
*Darr J. M. & Sons Planing Mill Co., (General & Special), 1317 Kentucky av
*Gravois Planing Mill Co., Minnesota & Juniata
*Huttig Sash & Door Co. (Wholesale Mfrs.), 1200 S Vandeventer
*Imse-Schilling Sash & Door Co., 4217 Beck
Lohse Patent Door Co.
*Maplewood Planing Mill & Stair Co., 2718 Sutton av
*Reed & Steeger Sash & Door Co., 4211 Chippewa
Riddle-Rehbein Mfg. Co., 13th & O'Fallon
*St. Louis Lumber Co., 2509 S B'way
St. Louis Sash & Door Works, 3440 N B'way
*Theiling-Lothman Mfg. Co., 3810 N 9th
Thomsen Planing Mill Co., 1700 S Vandeventer av, Dept. H
*Thuener Chas. Planing Mill Co., Prairie & Lucky
SPRINGFIELD—*Davis Planing Mill Co.
†Hatten I. E., Lumber & Supply Co.

MONTANA.

ANACONDA—*Anaconda Copper Mining Co.
BILLINGS—†Billings Lumber & Coal Co.
BUTTE—Carroll J. T. Lbr. Co.
Western Lumber Co.
KALISPELL—Kalispell Lumber Co.
MILLTOWN—Western Lumber Co.
MISSOULA—*Missoula Lumber Co.

NEBRASKA.

FREMONT—Reckmeyer W. R.
GRAND ISLAND—*†Hurst Sash & Door Co. ("Ever Willing")
HASTINGS—*Central Nebraska Millwork Co.
LINCOLN—*Curtis Towle & Paine Co. (Wholesale Mfrs.)
Nebraska Lumber & Millwork Co., 8th & R
Searle & Chapin Lumber Co.
OMAHA—Adams & Kelly Co.
Bloom Alfred Co.
Disbrow M. A. & Co.
Guidon Lbr. Co., 19th & Izard
SOUTH OMAHA—†Bradford Louis Lumber Co.
†Howland E. H. Lumber & Coal Co.
†Watkins J. B. & Co.

NEVADA.

VERDI—*Verdi Lumber Co.

NEW HAMPSHIRE.

CENTER OSSIPIE—*Smart C. E. & H. P.
CONCORD—*Carpenter Wellington
†Drake Clifton W.
DOVER—D'Arcy Co., 44 Maple
FARMINGTON—†Mooney Frank E.
GOFFSTOWN—Kendall Hadley & Co.
KEENE—Fish A. E. & Co.
LAKEPORT—†Boulia-Gorrell Co.
LANCASTER—†Smith Frank Co.
*Thompson Mfg. Co.
LEBANON—*Spencer Bros.
LITTLETON—†Littleton Lumber Co.
MANCHESTER—*Derryfield Co.
*Hodge Jeremiah Co.
†Hubbard Sash, Door & Lumber Co.
NASHUA—*Gregg & Son
PENACOOK—†Rolfe C. M. & A. W.
ROCHESTER—†Rochester Lumber Co.

NEW JERSEY.

ASBURY PARK—*Asbury Park Mill Co.
*Buchanon & Smock Lumber Co.
ATLANTIC CITY—*Somers Lumber Co.
BAYONNE—Prospect Planing Mill Co.
BELLEVILLE—Carragher F. J.
BOGOTA—*Wolfe J. N.
BRIDGETON—*Loper Eli & Son
BURLINGTON—*Severns J. T. Sons & Co.
CAMDEN—*Coles C. B. & Sons Co.
*Cooper Wm. J. & Co.
†Fredericks Wm. H.
EAST ORANGE—*Curtis Bros.
ELIZABETH—*Elizabeth Sash, Door & Supply Co
FRENCHTOWN—†White Charles
GUTTENBERG—Cade John R. & Son
HACKENSACK—†Young Frank
HOBOKEN—Davis-Speyer Co.
HOMESTEAD—Hollingshead-Kernan Co.
IRVINGTON—Schill Fred'k & Co.
JERSEY CITY—*Barnes Mfg. Co., W End
*Heller C. Sons, 49 Cambridge av
Hoe Richard J. C., 78 Lake
*Prospect Sash Door Co., 137 Palisade av
*Tuzik Michael, Canal

(Continued on following page)

Sash, Door & Blind Mfrs.—Continued

NEW JERSEY—Continued

MADISON—†Smith Joseph M. Co.
MANASQUAN—†Taylor W. P.
MATAWAN—†Bailey Wm. D. Co
MILLVILLE—*Kimball & Prince Lumber Co.
MONTCLAIR—*Lyman Jno. T.
MOORESTOWN—†Collins John S. & Son
MORRISTOWN—†Ennis C. W. & Co.
†Mills Geo. A. Wood Working Co.
NEWARK—*Barkhorn Wm. H. Co., 22 Sayre
*Clark & Co., 515 Hunterdon
*Goldingay Bros. Co., 88 E Kinney
*Newark Door Co., 221 Sussex av
*Schill Frederick & Co., 784 Springfield av
NEW BRUNSWICK—Butler-Howell Co.
Cronk Mfg. Co.
OCEAN CITY—Headley & Adams
ORANGE—*Barber Chas. L.
PASSAIC—*Crane Floyd H.
PATERSON—*Florence Bros. Mfg. Co.
PHILLIPSBURG—Bachman R. K. & Bro.
PLAINFIELD—*McCullough Richard H.
RED BANK—*Waters & Osborn Co.
RIDGEWOOD—*Hutton Isaac E.
TRENTON—*Conner Millwork Co.
VINELAND—*Kimball & Prince Lumber Co.
WASHINGTON—*Alleger's E. W. Son
WESTFIELD—†Tuttle Bros.
WEST NEW YORK—*Gundling B. V. Co.
WOODBURY—Woodbury Mill & Lumber Co.

NEW MEXICO.

ALBUQUERQUE—†Baldridge J. C. Lbr. Co.
LAS VEGAS—*Sundt M. M.

NEW YORK.

ADDISON—*Park, Winton & True Co.
ALBANY—Blakeslee Lumber Co.
Ramsdill & Co.
ALBION—*Mallory C. M.
ALLEGANY—*Hall W. N.
ANTWERP—†Bethel George D.
ARCADE—Arcade Planing Mill Co.
AUBURN—*Koon E. B. & H. J., 31 Mill
BATAVIA—*Batavia & N. Y. Woodworking Co.
BINGHAMTON—*Bartlett & Co.
Beers Constrt. Co., 333 Water
*Roberson Alonzo & Son
BOSTON—Wurtz L. J.
BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—Dohn, Fischer & Beyer, 1340 Niagara
Dohn, Fischer & Beyer
Elias G. & Bros., 965 Elk
Feist John & Sons Co., 115 Ash
Flierl Christian Co., Inc., 1252 Genesee
Heinrich's Wm. Sons Co., 193 Spring
Iroquois Door Co. (Wholesale Mfrs.), 629 Exchange
Montgomery Bros. & Co., 254 Court
CANTON—Rushton J. W.
CASSADAGA—Knott L. & Co.
CAZENOVIA—*Thayer T. W. Co.
CHAMPLAIN—Earl Jno.
COHOES—*Breault M. Co.
Crandall G. H. Co.
COPENHAGEN—†Carey James
CORNING—*Corning Building Co.
CROWN POINT—*Pond J. E. & Son
DEPOSIT—Deposit Lumber Co.
DEXTER—Dexter Woodworking & Bldrs.' Supply Co.
DUNKIRK—*Madigan Lumber Co.
*O'Donnell Lumber Co.
EAST AURORA—*Peek's S. H. Sons
ELMIRA—*Doane & Jones Lumber Co.
*Spaulding H. C. Co.
FALCONER—*Chautauqua Planing Mill Co.
FRIENDSHIP—*Empire Sash & Door Co.
GENEVA—Moore Daniel E.
GLENS FALLS—*Kendrick & Brown Co.
GOWANDA—*Forbush Planing Mill Co.
HAMBURG—Hamburg Planing Mill Co.
HICKSVILLE—*Voigt C. H. (Est. of)
JAMESTOWN—*Nelson & Co.
*Wilson Mills
KINGSTON—*Coutant A. K.
*Palen's H. W. Sons
*Traphagen & Hull Mfg. Co.
†Weeks Theo.
LAWRENCE—*Wood John A. & Son Co.
LE ROY—*Rogers F. C.
LESTERSHIRE—*Lestershire Lumber & Box Co.
LYNONDVILLE—Gray J. C. & Co.
MALLORY—Courbat Geo. A.
MALONE—Kelly Jno. & Son
MONTICELLO—†Smith Isaac O.
MOUNT KISCO—†Turner Jerry B.
MOUNT VERNON—*Burton & Fenton
Cronenberg L. & Sons
NEW ROCHELLE—New Rochelle Coal & Lumber Co., 22 Pelham rd
NEWARK—Keener S. N. Co.
NEWBURGH—Newburgh Planing Mill Co.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Alpert Woodworking Co., 410 Snediker av
Bayside Sash & Door Co., 806 3d av
†Bossert Louis & Son, 1335 Grand
†Brooklyn Fireproof Sash & Door, 101 Richardson
Brooklyn Lumber Co. (Wholesale Dealers), 452 Hamilton av
*Cropsey & Mitchell, Bay 25th
†Curtis-Brislin Lumber Co., 3290 Atlantic av
Entenman A., 669 73d
†Hitchings Ben G., 3413 av H
Interborough Sash & Door Co., 352 Junius
*Loomis John S. Lumber Co., Baltic & Nevins
†Mayer Michael, 181 Moore
*National Fireproof Sash & Door Co., 137 Boyard
†Orr J. C. & Co., West & Java
Parsheisky Bros., 131 Morgan av & Meserole
Pearson Carl H., 73 Bainbridge
Weinstein Sam'l, 100 Richardson
Weisfeld Bros., 530 Porter av

Boroughs of Manhattan and Bronx.

NEW YORK—Anaconda Copper Mining Co., 25 B'way
Batavia & New York Woodworking Co., 31 Union sq
†Carl John H., 510 1st av
Dunbar Box & Lumber Co., 551 W 28th
Eckenroth, F. & Son, 921 E. 5th
Fischer Bros., 5th av. and 137th
Hasbrouck Chas. A. & Son, 863 3rd av
†Hogan & Di Genno, 1616 Webster av
Manhattan Wood Working Co., 281 Rider av
Mount & Robertson, Inc., 41 Beaver
Potter Jos. R. & Co., 270 W 126th
†Read Charles, 406 W 30th
†Richardson & Dutt, 789 3d av
Rugg C. H. Co., 101 Park av
†Schaettler F., 533 W 34th
Superior Fire Proof Door & Sash Co., 1811 Carter av.
Tide Water Bldg. Co., 16 E 23d
Wright Lumber Co., 148 W 38th
Youngs Wm. P. & Bro., 1st av. and 35th

Borough of Queens.

CORONA—Johnson & Berntson
HOLLIS—Stansbury Jas. H.
LONG ISLAND CITY—Weisberg Baer Co., Blvd
OZONE PARK—†Gillespie Earl A.
METROPOLITAN—†Reich Val E., 1429 Metropolitan av

(End of New York City)

NIAGARA FALLS—Haeberle Lumber Co.
NORTH TONAWANDA—*Palmer W. G. Thompson, Hubman & Fisher
OGDENSBURG—Proctor Mfg. Co.
OSSINING—Terwilliger's I. Son
PATCHOGUE—Bailey E. & Sons
PATTERSON—Pendleton & Townsend
PEEKSKILL—Brotherton Wm. Jr.
*Lamos Charles A. Co.
PORT CHESTER—Mertz's Geo. Sons
PORT JEFFERSON—Loper Bros.
POUGHKEEPSIE—Brooks & Co.
Lumb's Levi Son
REDWOOD—Cook & Smith
RIVERHEAD—Skidmore Charles
ROCHESTER—*Bantleon Bros. Co., 97H Railroad
Evans Chas. P.
Goetzman H. W.
Rugg C. H. Co.
Smith Sash & Door Co.
Vogel & Binder Co.
ST. JOHNSVILLE—Kneeskern J. H. & Sons
SANDY HILL—Kenyon Lumber Co.
SIDNEY—*Clark G. A. Co.
SYRACUSE—Markert Mfg. Co.
TROY—Madden Lumber Co.
TURIN—*Hughes Hugh
WEBSTER—†O'Dell Bros.
YONKERS—*Lawrence Bros.
*Yerks & Co.

NORTH CAROLINA.

ASHEVILLE—*Jones Wm. M.
†Westall W. H. & Co.
CLINTON—Clinton Lumber Co.
EAGLE ROCK—Eagle Rock Mfg. Co.
ELIZABETH CITY—Kramer Bros. Co.
HENDERSON—*Watkins Jno. B.
HICKORY—Hickory Mfg. Co.
Hickory Novelty Co.
HIGH POINT—*Snow Lumber Co.
NORTH WILKESBORO—*Wilkesboro Mfg. Co.
RALEIGH—Lassiter C. J.
SANFORD—Sanford Sash & Blind Co.
WELDON—*†Dixon Lumber & Millwork Co.
WILSON—Simms W. W. Co.

NORTH DAKOTA.

FARGO—*Bowers Bros.
GRAND FORKS—*Turner Jas. & Sons
MINOT—Western Improvement Co. (Wholesale Mfrs.)

OHIO.

AKRON—Lyman Hawkins Lumber Co.
ALLIANCE—*Stroup L.
*Weybrecht's J. T. Sons
ASHLAND—*Shearer Kagey & Co.
ATHENS—Athens Lumber Co.
Hardwood Finish Co.
BALTIMORE—Buckeye Planing Mill Co.
BELLAIRE—†Anderson & McGregor Co.
*Dubois & McCoy Lumber Co.
BELLEFONTAINE—†Le Sourd A. & Sons
BEREA—†Holmes & Johnson
BLOOMDALE—Linhart S. A.
BOWLING GREEN—*Hankey Lumber Co.
BUCYRUS—*Roehr Co.
BURTON—Johnson C. H.
BUTLER—Winkler W. E.
BYESVILLE—Byesville Planing Mill Co.
Lauer True & Co.
CADIZ—Long E. M. & Sons (Wholesale)
CALEDONIA—Resler J. A.
CAMBRIDGE—*Hoyle & Scott
Hunt W. A.
CANAL FULTON—Kittinger & Stock
CANAL WINCHESTER—Bareis Geo. F.
CELINA—Stephenson E. E. Lumber Co.
CHAGRIN FALLS—Rowe & Giles Lumber Co.
CHILLICOTHE—Hertenstein C. A. Lumber Co.
CINCINNATI—Brethauer G. J. Planing Mill Co., 2250 Bogen
Cincinnati Sash & Door Co., 942 W 6th
Dexter Lbr. Co., 4765 Montg'y pk (Norwood)
Ferris Chas. S., 1154 Herschel
Griffith Jas. & Sons Co., Reading rd & E 12th
Mayer Wm. Co., 646 W 3d
Rempe F. & Son, 2d National Bank bldg.
Ward-Brock Sash & Door Co., 924 McLean
Weber Fred & A. Co., 714 Freeman
CLEVELAND—†Bohm & Stuhr, B'way & W. & L. E. R. R.
†Cleveland Lumber Co., 3617 Buckeye rd
*Diamond Glass Co., 1447 W 25th
*Lakewood Lumber Co., 10217 Berea rd
*Marquard Sash & Door Mfg. Co., 307 Canal rd
*Osborne & Flinkers, 10217 Berea rd, N W
*Peters Mill Work & Lumber Co., Carter rd
*Pfeil Chas. J. & Co., 1976 W 3d
Reaugh Construction Co., 2835 E 51st
Teachout A. Co., 331 Prospect av, N W
*Trebing Mfg. Co., 1000 Center, N W
*Whitmer-Jackson Sash & Door Co. (Whol.), 1996 W 3rd
Zeitz William & Son Co., 1247 Marquette rd, N E
COLUMBUS—Baumann Ferdinand Sons Co., 181 W Main
Bergin M. J. Lumber Co., 225 Dennison av
†Cussins Chas. D. Co., 170 No 3d
Doddington Co., 451 W Broad
Jones E. J. & Co., 406 W Spring
Linkenheil Planing Mill Co., 182 E. Columbus
Snider J. J., Lumber Co., Taylor av
Teachout Sash, Door & Glass Co., 100 W Spring
Throop-Martin Co., 130 E Chestnut
CROOKSVILLE—Spring G. W.
CUMBERLAND—Stevens W. H.
CUYAHOGA FALLS—*Walsh Lumber Co.
DAYTON—Dayton Lumber & Mfg. Co.
Requarth F. A. Co.
DOVER—Dover Lumber Co.
Wagner Lumber Co.
EATON—Hiestand & Co.
FINDLAY—Fassett M. L.
Parker Lumber Co.
FORT RECOVERY—Wilson W. E. Lumber Co.
FOSTORIA—Eureka Planing Mill & Lumber Co.
*Koss & German Co.
Seneca Lumber & Millwork Co., Dept. H.
FREDERICKSBURG—Peterman A. J.
FREMONT—Price Lumber & Mfg. Co.
GALION—Galion Lumber Co.
Gledhill A. C.
GALLIPOLIS—O'Dell O. A.
GEORGETOWN—Markley A. G.
GIBSONBURG—Collier Thos. L.
HAMILTON—*Cullen & Vaughn Co. (Mfrs.), 450 Dayton
HICKSVILLE—Goller Chas. H.
HILLSBORO—Enterprise Planing Mill Co.
HOMEWORTH—*Gross Bros.
JENERA—Steinman Bros. Lumber Co.
KENT—Parsons T. G.
KENTON—Callam John & Co.
LANCASTER—DeLancey Edw.
LEBANON—Monroe & Johnson
LIMA—*Ruhlen & Miller
LOCKLAND—Lockland Lumber Co., Benson & Mill
LORAIN—Lorain Lumber & Mfg. Co.
LOWELL—Lowell Building & Supply Co.
McARTHUR—Lantz I. M.
MALTA—Malta Mfg. Co.
MANSFIELD—Ford S. N. & Co.
MARENGO—Jeffrey A. L.
MARYSVILLE—Robinson & Curry Co.
MIDDLETOWN—Caldwell-Iseminger Co.
NAPOLEON—Thieson & Hildred Co.
NAVARRA—Hug R. & Son
NELSONVILLE—Kreig M. A. & Co.
NEVADA—Orwiler & Armstrong
NEW BREMEN—Heinfeldt Mfg. Co.
Rabe Mfg. Co.
NORWOOD—Lobnitz Co., 1714-22 Cleneay av, Norwood
OLMSTED FALLS—Stokes T. C.
ORRVILLE—Kinney Lumber Co.
OSBORN—Osborn Lumber Co.
PANDORA—Shank D. C. & Co.
QUAKER CITY—Cochran A. & Co.
ST. MARYS—St. Marys Planing Mill Co.
SANDUSKY—Sandusky Sash, Door & Lumber Co.
Schoepfle Mfg. & Lumber Co.
SOMERSET—Snider-Flautt Lumber Co.

SPRINGFIELD—*Springfield Planing Mill & Lumber Co.
STEUBENVILLE—*McFeely Bros.
STOCKPORT—Ellis Walter
STRASSBURG—Weber Planing Mill Co.
SUGARCREEK—Moomaw C. M.
TOLEDO—Campbell Lumber & Mfg. Co.
Collier-Barnett Co.
Goulet & Co.
Schroeder C. H. Co.
Western Mfg. Co.
Witker Mfg. Co.
UPPER SANDUSKY—Stephen Lumber Co.
VERMILION—Bachman Conrad
WAVERLY—Gehres Bros.
WILKESVILLE—Strong H. B.
WILLOUGHBY—Jenkins C. C.
WILMINGTON—Fisher Mfg. & Fuel Co.
YOUNGSTOWN—*Heller Bros. Co.
ZANESVILLE—Curtis & Co., 25 8th
Herdman Sash, Door & Lumber Co.

OKLAHOMA.

ENID—Enid Sash & Door Co.
OKLAHOMA—Curtis, Booth & Bentley Co.
Griffith T. A.
*New State Sash & Door Co.
*Oklahoma Sash & Door Co.

OREGON.

COTTAGE GROVE—Cottage Grove Mfg. Co.
EUGENE—*Eugene Planing Mill Co.
*Midgley Planing Mill Co.
KLAMATH FALLS—*Goeller J. F. & Son
MYRTLE POINT—†Huling Lundy & Sons
NEWBERG—Spaulding Chas. K. Logging Co.
PORTLAND—Central Door & Lumber Co., E 24th & Holgate
Enterprise Planing Mill Co., 800 E Yamhill
Heacock Sash & Door Co., 212 First
Kautz Mfg. Co., 891 Nicholai
*M. & M. Woodworking Co., 800 Multnomha
*Nicolai Door Mfg. Co. ("N" Yellow Fir Doors), Denver & Argyle
Nicolai-Neppach Co., 227 Davis
Oregon Door Co., ft. Spokane av
*Oregon Planing Mills Co., Inc., 224 2d
Portland Door & Window Co., 240 Front
Roberts-Landers & Finseth, Inc., 164 1st
Schmitt Frank & Co., 181 E 8th
Spaulding Chas. K. Logging Co., Northwestern Bank Bldg.
SALEM—Spaulding Chas. K. Logging Co.
SILVERTON—*Potter P. W. & Co.

PENNSYLVANIA.

ALLENTOWN—Albright A. A. & Son
*Butz Frederick & Co., 1016 Maple
Trexler Lumber Co., 1602 Gordon
ALTOONA—Fluke J. B. & Son
APOLLO—Wallace W. W. & Co.
ASHLAND—*Bright H. F.
Waldner Adam
ATHENS—Corneby F. G.
BANGOR—*Bangor Lumber Mfg. Co.
Wise Lumber & Coal Co.
BEAVER FALLS—*Beaver Falls Planing Mill Co.
*Commercial Sash & Door Co.
*Mitchell J. S. & Sons
BENTON—*Smith R. T. & Son
BERLIN—Fornwald Bros.
BRISTOL—Peirce & Williams
BROOKVILLE—Lucas J. Craig
CARLISLE—Beeten Lumber & Mfg. Co.
CATASAUQUA—*Wint F. W. Co. (Ltd.)
CHAMBERSBURG — Hollinger Planing Mill Co.
CHRISTIANA—*Davis Lumber & Planing Mill Co.
CONSHOHOCKEN—*Miller A. L. Co.
CORRY—*Clark Haniel & Son Co.
DUBOIS—Dubois Jno. E.
*Pifers G. W. Sons
Smyers Geo. W.
ELIZABETHVILLE—*Buffington I. T.
ERIE—Constable Bros. Co.
Johnson Lumber Co.
EVERETT—Cottage Planing Mill Co.
FRANKLIN—James Lumber Co.
GETTYSBURG—*Stallsmith Geo. W.
GLEN ROCK—*Glen Mfg. Co.
HANOVER—*Moul C. & Co.
*Rohrbaugh J. F. & Co.
HARRISBURG—Snyder E. C.
HOMESTEAD—Kerr & Ingram
*Hall Geo. M. Co.
KANE—Kane Mfg. Co., Dept. H
KNOXVILLE—*Edgcomb W. H. & Sons
LANCASTER—Draper & Co.
Keystone Planing Mill.
*Wohlsen Planing Mill Co., 405 N Mulberry
LEBANON—*Miller Bros.
LOCK HAVEN—*Hipple Planing Mill Co.
MAUCH CHUNK—Neast Chas. & Co.
MEADVILLE—Bork & Richard
Miller & Devore Lumber Co.
Smith Lumber Co.
MIFFLINBURG—*Miller Enoch
MILLERSBURG—Douden A. Planing Mill Co.
MILTON—Clinger's D. Sons
*Fetter's Jacob Sons
MOSCOW—*Van Brunt C. P. Mfg. Co.
MOUNT CARMEL—*Geiger Lumber & Mill Co.
MYERSTOWN—Loose Charles C.
NEW BETHLEHEM—*Andrews Lbr. Co.
NEW BRIGHTON—McDanel R. B. Co.
NEW CASTLE—*Acme Lumber Co.
New Castle Lumber & Construction Co.
Wallace Bros.
NEWTON—*Watson A. W. & W. M. Co.
NORRISTOWN—*Grater-Bodey Co.
NORTH WALES—*Weber Oliver M. Co.
OIL CITY—Oil City Woodworking & Mfg. Co.
OSCEOLA MILLS—Walker Robert J.
PARKSBURG—*Reid A. P. Estate
PEN ARGYL—*Fitzgerald Speer Co.
PENNSBURG—Pennsburg Mfg. Co.
PHILADELPHIA — Adams Dan'l, 2940 Marshall
Alcott W. K. & Co., 52nd & Lancaster
Coolbaugh C. C. & Son Co., W. E. cor. 19th & Cambria
Felin & Co. (Window Frames Only), Old York rd & Butler
Gerry F. R. Co., 80th & Island rd
Hall Bros. & Wood, 54th & Lancaster av
Haney-White Co., 17th & Glenwood av
Keely S. S. & Sons, Main & Umbria
Penna. Door & Sash Co., 25th & Callowhill
Robinson John & Co., 49 Queen, Gtn.
PITTSBURGH—Commercial Sash & Door Co., Liberty & 33d
Diebold Lumber & Mfg. Co., 93-99 Wabash av
Pennsylvania Door & Sash Co., 900 2nd av
Pittsburgh Hardwood Floor Co., Park bldg
Schultze & Emanuel, 614 3d
Simon's M. Sons, Robinson & Anderson
PITTSTON—*Dershimer & Griffin
Harris A. H.
Patterson J. E. & Co.
Wyoming Valley Lumber Co.
PLATEA—Cook J. W. & Sons
PLYMOUTH—Clark Bros. & Co.
POTTSVILLE—†Ryon Jno. P.
Sailor Planing Mill & Lumber Co.
*Wertley Walter Sons
QUAKERTOWN—Stoneback Howard L.
READING—Penn Planing Mill Co.
†Rummel H. F. L.
REEDSVILLE—Kelley Jos.
RIDGEWAY—*Hyde Murphy Co. (Wholesale)
RIVERSIDE—Hoover Wallace A.
ROARING SPRING—Planing Mill Co.
ROCKWOOD—*Growall J. P.
ROYERSFORD—*Bush Bros.
SAYRE—Hart I. S.
SCRANTON—Ansley Lumber Mfg. Co.
Peck-Lumber Mfg. Co.
Washburn, Williams & Co.
SHARON—*Wallis & Carley Co.
SHARPSBURG—†Saint W. J. T.
SLATINGTON—Kern Thomas Lumber Co.
SOUDERTON—*Hemsing & Son
STEELTON—Steelton Planing Mill Co.
SUMMIT HILL—Breslin Andrew
SUNBURY—†Simpson John & Son
TITUSVILLE—Reuting D. F.
TUNKHANNOCK—Harris A. H.
TYRONE—*Beyer F. D. & Co.
UNION CITY—*Clark Haniel & Son
WARREN—*Rogers Lbr. Co.
Wetmore L. D. Co.
WATSONTOWN—*Watsontown Door & Sash Co.
WAYNESBORO—*Hess Planing Mill Co.
WAYNESBURG—*Funk J. M.
WEST CHESTER—*Black Planing Mill Co.
WEST NEWTON—Scholl M. F.
WILKES-BARRE—Goff Lumber Co.
*Shepherd Construction Co.
WILLIAMSPORT—Elsworth Co.
*Sones C. W.
Williamsport Planing Mill Co.
Wood Working & Stair Building Co.
YORK—*Beitzel Jacob & Sons
Noss Herman & Sons

RHODE ISLAND.

BRISTOL—†Wardwell Lumber Co.
PAWTUCKET—†Cottrel J. T. Co.
†Pawtucket Sash & Blind Co.
†Tingley Frank E.
PROVIDENCE—†Harris Wm. M., Jr., 546 Atwells av
†Lansing Lumber Co., 28 Branch
*Perkins Bros. Co., 970 Westminster
†Providence Sash & Blind Co., 309 Dean
*Smith E. E. Co., 136 Rhodes
*Vaughn L. Co., 1153 Westminster
WESTERLY—Sherman's R. A. & Sons Co.
WOONSOCKET—†City Lumber Co.
Robinson A. M.

SOUTH CAROLINA.

ANDERSON—*Barton J. E.
†Brissey W. L. Lumber Co.
BEAUFORT—†Christensen N. & Sons
CHARLESTON—*Wetherhorn L. & Son
CHERAW—*Cheraw Sash, Door & Lumber Co.
COLUMBIA—Allison Lumber Co. Inc., 729 Lady
†Brown C. O. & Bro.
†Shand Builders' Supply Co.
†Thomas H.
GREENVILLE—†Morgan, Austin Co.
SUMTER—*Kennedy Brothers
VARNVILLE—*Ginn E. R.

SOUTH DAKOTA.

DEADWOOD—†Fish & Hunter Co.
MADISON—Colman C. L. Lumber Co.
MITCHELL—†Burns Robert Lumber Co.
SIOUX FALLS—†Ross H. W. Lumber Co
*†Tuthill J. W. Lumber Co.
STURGIS—†Anderson H. O. & Son
*Grams Wm.

TENNESSEE.

BRISTOL—*Bristol Door & Lbr. Co.
*Stone Lumber Co. (Sash & Door Only)
*Chattanooga Lumber Co., 2101 W Side
Chattanooga Sash & Door Co., Mkt. & Court
CLARKSVILLE—*Smith F. L. Sons
FAYETTEVILLE—*Williams Lumber Co.
HARRIMAN—†Watts J. H.
HUMBOLDT—*Campbell J. E.
†Jarrell B. C. & Co.
KNOXVILLE—*Atkin C. B. Co., 812 S Gay
Broadway Mfg. Co., Broadway & Atlantic
*Ross D. M. & Co., S Knoxville
MEMPHIS—*Cole Mfg Co., 789 S 4th
†Jordan J. P. & Co., 100 S 2nd
Memphis Sash & Door Co., Roland
*Moore & McFerren, Wolf River
†Southern Lumber Co., 145 S 3rd
MORRISTOWN—†East Tennessee Wood Working Co.
NASHVILLE—†Beasley & Sons Co., 147th & 3rd av N
†Cohn & Goldberg
*Davidson Hicks & Greene Co., 100 Russell
*De Hart I. N. & Son, 207 13th av N
*McGinnis & Co., 1300 Church
*Moore Geo. & Sons
†Norvell & Wallace, 601 Broad
†Riddle Co., 200 3rd av N
†Southern Door & Glass Co., 218 2nd & av N

TEXAS.

ALBANY—†Rockwell Bros. & Co.
AMARILLO—Hume Mfg. Co.
AUSTIN—†Calcasieu Lumber Co.
†Nalle & Co.
BEAUMONT—*Georgs C. W. Mfg. Co.
COLORADO—†Burton-Lingo Co.
CORPUS CHRISTI—†Sidbury Lumber Co.
CORSICANA—Clopton Planing Mill Co.
DALLAS—†Griffiths & Co.
†Lyon-Gray Lbr. Co. (Sashes & Doors)
†Mayfield M. M.
DENISON—†Lingo-Leeper Co.
DUBLIN—†Spencer R. B. & Co.
EL PASO—†Bassett O. T. & Co.
†Burton-Lingo Co.
El Paso Sash & Door Co.
FORT WORTH—†Burton-Lingo Co.
†Cameron Wm. & Co.
*Lusher & Rockett
*Owens B. W. Lumber Co.
†Quarles J. E. Co.
†Ripy J. W. & Son
†Smith Cicero Lumber Co.
GALVESTON—†Moore & Goodman
†Schadt Wm.
*Smith J. F. & Bro.
HOUSTON—Bering Mfg. Co.
Houston Co-operative Mfg. Co.
NAVASOTA—*Youens J. & Co.
ORANGE—*Miller-Link Lumber Co.
SAN ANTONIO—†Beitel Lumber Co.
†Steves Ed. & Sons
†West End Lumber Co.
SAN MARCOS—†Mead & Eastwood
SHERMAN—†Fielder A. A. Lumber Co.
†Wilson J. B. & Co.
TAYLOR—†Thompson J. A.
TEXARKANA—†Hoffman Hardware Co.
WACO—†Brazelton Lumber Co.
*Cameron Wm. & Co.

UTAH.

OGDEN—†Belnap H. Lumber Co.
†Eccles Lumber Co.
*Humphries C. J.
SALT LAKE CITY—†Felt Lumber Co.
Morrison Merrill & Co. (Sash & Door Only)
Salt Lake Mill Co.

VERMONT.

BARRE—†Allen Lumber Co.
BENNINGTON—Bingham Jos. B.
BRANDON—†Gipson Bros.
BRATTLEBORO—*Holden & Martin Lumber Co.
†Robbins & Cowles
BURLINGTON—†Booth J. R.
*Burlington Venetian Blind Co.
†Champlain Mfg. Co. (Sashes)
*Morgan Bros.
HARTLAND—†Martin A. W.
MIDDLEBURY—*Rogers & Wells
POULTNEY—†Ripley Lumber Co.
RICHFORD—*Sweat-Comings Co.
RUTLAND—†Chaffee's F. Sons
†Noyes H. F. (Est. of)
ST. JOHNSBURY — †Caldbeck - Cosgrove Corp.
SOUTH SHAFTSBURY—*Eagle Square Mfg. Co.

VIRGINIA.

ALEXANDRIA—*Smoot W. A. & Co.
BRISTOL—*Virginia Woodworking Co.
CHARLOTTESVILLE — *Charlottesville Lumber Co.
*King Lumber Co.
DANVILLE—*Danville Lumber & Mfg. Co.
*Heidelbach Lumber Co.
HARRISONBURG—†Bucher Wm. M. & Son
LYNCHBURG—Adams Bros., Paynes Co.
Lynchburg Lbr. Mfg. Co.
Peak Lumber Co.

(Continued on following page)

Sash, Door & Blind Mfrs.—Continued

VIRGINIA—Continued

MANCHESTER—†Woodward & Son
NEWPORT NEWS—Richardson R. E.
†Weaver Bros.
NORFOLK—Building Supplies Corp.
Nash C. A. & Son
Sawyer W F. & J. T,
PETERSBURG—†Hargrave W. T.
RICHMOND—†Heppert Jos., 906 Catherine
•Miller Mfg. Co., 7th & Stockton
•Montague Mfg. Co., 4 S 10th
Rubens Paint & Glass Co., Inc.
•Sittering-Carneal-Davis Co., 1601 W Leigh
•Stagg Thos. E & Son, Henrico Co.
†Woodward & Son
ROANOKE—Adams, Payne & Gleaves Inc.
•Central Mfg. Co.
Exchange Lumber Co.
SOUTH BOSTON—†Penick R. A. & Son
STAUNTON—†Livick A. J.
†Worthington Hardware Co.
SUFFOLK—†Allen R. R.
†Folk E. L. Co.
WARRENTON—†Wood P. D. & Co.
WYTHEVILLE—Wytheville Mfg. Co.

WASHINGTON.

BELLINGHAM—•Whatcom Falls Mill Co.
CENTRALIA — Whistler Porch Column Factory
CHELAN—Higgins W. R.
CHENEY—†Ratcliffe Chas. A.
CLE ELUM—Paul A. S.
COLFAX—Good J. R. & Co.
EVERETT—Builders Supply Co. ("Busupco"), 32nd & Hill av.
•Everett Sash & Door Co.
•Robinson Mfg. Co.
GOLDENDALE—Cameron J. E.
HOQUIAM—•Hoquiam Sash & Door Co.
MONROE—•Wagner & Wilson (Red Cedar, Wholesale Mfrs.)
NORTH YAKIMA—•Cascade Lumber Co. (Wholesale Mfrs.)
OKANOGAN—Dunham W. H.
Ostenberg Chas.
OLYMPIA—•Olympia Door Co.
PRESCOTT—†Geyer John
SEATTLE—Blossom-Provine Lumber Co.
•Brace & Hergert Mill Co.
•Bryant Lumber & Shingle Mill Co.
City Sash & Door Co.
†Curtiss Wm. M. Co., 5016 20th, N W
•Dalk & Co. (French, Garage & Front Doors in Stock Quantities), Ewing & Woodlawn
Elmer & Moody Co.
Kramer-Bissell Co., Inc., 6259 Duwamish av.
•Nordquist & Nelson
Pacific Door & Mfg. Co.
Rovig Lumber Co., 2225 1st av S
Standard Sash & Door Co.
•Stetson & Post Lumber Co.
Uphus A. J. & Co. ("Artkraft"), 2315 Western av
Williams O. B Co., 1943 1st
SPOKANE—•Crowley Co., N 3420 Regal
•Exchange Lumber & Mfg. Co., 2615 Cincinnati
Keystone Frame & Sash Co., E 3629 Riverside
•King Sash Door & Lumber Co. (Wholesale Mfrs.), N 2616 Cincinnati
•Sexton J. F. & Co.
•Spokane Sash & Door Co.
Success Mfg. Co. (Frames Only), 1027 E Marietta av.
•Western Pine Mfg. Co., Ltd. (Also Frames & Cut Stock), Astor & Jackson
TACOMA—•Builders Mfg. & Supply Co., Sawyer & Hood
East Tacoma Mfg. Co.
Fuller W. P. & Co. (Dlrs.), Dept. H
•Harty Geo. M. Lumber Co.
•Pacific Mutual Door Co.
Peterman Mfg. Co.
•Puget Sound Mfg. Co., 1123 St. Paul
•Tacoma Planing Mills, Inc., S 30th & Sprague
Washington Door Co., E 25th
Wheeler-Osgood Co. ("Laminex" & "WOCO" Doors), Tide Flats
WALLA WALLA—†Walla Walla Lumber Co.
•Whitehouse-Crawford Co.

WEST VIRGINIA.

FAIRMONT—†Dickerson Building Supply Co.
HUNTINGTON—Dickerson Lumber Co.
†Emmons Hawkins Hdwe. Co.
KEYSER—•Liller W. A.
Dickerson Lumber Co.
WHEELING—•Beltz J. W. Sons Co.
†Chapman W. H. & Sons
†Klieves Lumber Co.

WISCONSIN.

APPLETON—†Miller Lumber Co.
†Schlafer Hardware Co.
•Standard Mfg. Co.
ASHLAND—§Scott-Taylor Co.
BAGLEY—†Brodt T. E.
BEAVER DAM—†Roedl & Jacobs Co.
BELOIT—•Cunningham Bros.
BLACK RIVER FALLS—•McGillivray Lbr. & Mfg. Co.
BRILLION—†Brillion Lumber Co.
CEDAR BURG—•Hilgen Mfg. Co.
CHILTON—•Dorschel, Kroehnke Lumber Co.
CLINTONVILLE—•Rohrer D. J.
EAU CLAIRE—•Fish E. M. Co.
•Hoeppner-Bartlett J. Co.
FOND DU LAC—†Moore & Galloway Lumber Co. (Ltd.)
•Steenberg O. C. Co.
GILLETT—Gillett Building Supply Co.
GRAND RAPIDS—Ellis E. W. Lumber Co.
GREEN BAY—•East River Planing Mill Co.
•Green Bay Planing Mill Co.
HARTFORD—†Denison & Coerper
†Hartford Lumber Co.
HELENVILLE—†Reul Bros.
JANESVILLE—Cullen J. P. Construction Co.
†Fifield Lumber Co.
KAUKAUNA—•Kaukauna Lumber & Mfg. Co.
KENOSHA—•Grant Planing Mill
LA CROSSE—•Segelke & Kohlhaus Mfg Co.
LAKE GENEVA—†Wilbur Lumber Co.
MADISON—†Brittingham & Hixon Lumber Co.
†Frederickson A. D. & J. V.
MANAWA—•Little Wolf River Lumber Co.
MANITOWOC—†Manitowoc Bldg. Supply Co.
†Schoch Christ. Lumber Co.
MARSHFIELD—•Bille Hans & Co.
MENASHA—•Menasha Mfg. Co.
MILWAUKEE—•Badger Sash & Door Co., 594 Island av
†Butter Gustav A., 603 Mitchell
•Cream City Sash & Door Co. (Whol.), 601 Park
•Gruhl Sash & Door Co., 195 Stewart
•Interior Woodwork Co., 523 Park
†Meckelburg A. F. Sash & Door Co., 760 31st
Rockwell Mfg. Co. (Whol. Mfrs.), 572 Park
†Wilbur Lumber Co., Pabst bldg
NEENAH — Hardwood Products Co. (Doors)
OSHKOSH — •Foster Lothman Mills (Wholesale)
•Gould Mfg. Co. (Wholesale)
•McMillen R. Co. (Wholesale)
•Morgan Co. (Sash, Open, Glazed; Doors, Veneered Doors, Blinds, Shutters)
•Paine Lumber Co. (Ltd.) (Wholesale, for the Trade Only)
Radford & Wright Co. (Wholesale)
RHINELANDER—†Lewis Hardware Co.
RICE LAKE—•Rice Lake Mfg. Co.
RIPON—Ripon Veneer & Box Works (C. T. Timm, Prop'r)
SHEBOYGAN—•Mueller H. G. Mfg. Co.
•Sheboygan Woodworking Co.
SPARTA—•Sparta Sash & Door Co.
STEVENS POINT—•Vetter Mfg. Co.
WAUKESHA—•Wilbur Lumber Co.
WAUPACA—†Nelson A. G. Lumber Co.
WAUSAU—Curtis & Yale Co. (Wholesale Mfrs.)
Kuebler J. M. Co. (Wholesale Mfrs.)

WYOMING.

RAWLINS—Daley R. A.
†Larsen Hans

12920—Sash (English Casement)

International Casement Co., Jamestown, N. Y.

12921—Sash (Greenhouse & Hot Bed)

Columbus Iron Works (Wholesale Mfrs), Columbus, Ga.
Hitchings & Co., Dept. H, Spring, Elizabeth, N. J.
Hyde-Murphy Co., Ridway, Pa.
Jacobs S. & Sons, 1365 Flushing av, Brooklyn, N. Y.
King Construction Co., North Tonawanda, N. Y.
Lockland Lumber Co., Benson & Mill, Lockland, O.
Lord & Burnham Co., 30 E 42d, New York
Lutton William H. Co., Jersey City, N. J.
Moninger John C. Co., 900 Blackhawk, Chicago, Ill.
Sanders Bros. Mfg. Co., Ottawa, Ill.
Selden Cypress Door Co., Palatka, Fla.
STEARNS A. T. LUMBER CO., 100 Taylor, Boston, Mass. *See adv index at end of book*
Woodbury Mill & Lumber Co., Woodbury, N. J.

Sash (Metallic)

See Window Frame & Sash, Metallic

Sash Opening Apparatus

See Sash Operating Device: also Ventilating Apparatus for Power House, etc.

12922—Sash Operating Device

Advance Co. ("Advance" Automatic Roller Bearing), 542 N 14th, Richmond, Ind.
Bogert & Carlough Co. ("Boca"), Railroad av & Straight, Paterson, N. J.
Corbin P. & F., New Britain, Conn.
Dean O. J. & Co. ("Advance" Automatic Roller Bearing), 179 W Washington, Chicago, Ill.
Dee William V. Co., 729 Union av, Bridgeport, Conn.
Drouve G. Co. ("Straight Push," "Lovell," Worm & Gear), 40 Tulip, Bridgeport, Conn.
General Sheet Metal Wks. ("Cibulas"), 120 Silliman av, Bridgeport, Conn.
Hitchings & Co., Spring, Elizabeth, N. J.
King Construction Co., North Tonawanda, N. Y.
King Construction Co., 131 State, Boston, Mass.
Lord & Burnham Co., 30 E 42d, New York
LUPTON'S DAVID SONS CO., Allegheny av. & Tulip, Phila., Pa.
See adv at Shelving Steel
Metallic Sash Operator Co., 2233 Chestnut, St. Louis, Mo.
Payson Mfg. Co. ("Harris," "Ideal," "Superior," "Reliance," "Triumph," "Duplex," "Peerless," "Monarch"), 2918 W Jackson blvd, Chicago, Ill.
Richmond Safety Gate Co., Richmond, Ind.
Thorn J. S. Co. ("Brand"), 20th & Allegheny av, Phila., Pa.
Wolf Machine Co., Dayton, O.

Sash (Steel)

See Window Frame & Sash, Wrought Steel

Sash (Storm)

See Storm Doors & Windows

12923— Sash Weights

American Lead Co. (Lead), 3116 Penn av, Pittsburgh, Pa.
American Mining Tool Co., Ottumwa, Ia.
Bartlett A. F. & Co., Saginaw, Mich.
Bates Elevator Co., 211 Preston, Baltimore, Md.
Blatchford E. W. Co. (Lead), 230 N Clinton, Chicago, Ill.
Blodgett C. L. Mfg. Co. ("Nu-Way-T" Concrete), 2105 Lincoln av, Alameda, Cal.
Bosworth-Ard Machine & Foundry Co., Anniston, Ala.
Brown E. E. & Co. (Iron), McKean & Meadow, Phila., Pa.
Buchanan Foundry Co., Lebanon, Pa.
Caldwell & Drake Iron Works ("Rohrer's" Sectional), Columbus, Ind.
Calhoun Foundry Co., Anniston, Ala.
Chadwick-Boston Lead Co. (Lead), Boston, Mass.
Connecticut Cord Iron Corp., Norwich, Conn.
Du Bois Iron Works, Du Bois, Pa.
Dalton Henry & Sons Co., Cedar & 10th, Oakland, Cal.
Decatur Cornice & Rfg. Co., Decatur, Ill.
Detroit Lead Pipe Works (Lead), Detroit, Mich.
De Ved & Sons Sash Weight Co., 807 S Howard, Baltimore, Md.
Drummond Mfg. Co. (Cast Iron), Louisville, Ky.
Dutton E. Q. & Co. (Cast Iron), Cato, N. Y.
Duval Iron Works, Jacksonville, Fla.
Economy Mills, High, Oakland, Cal.
Ephrata Foundry & Machine Works, Ephrata, Pa.
Etna Foundry Co., Etna, Pa.
Galena Iron Works Corp., Galena, Ill.
Gerdes & Co., 42 Church, New York
See adv index at end of book
Glascock Stove & Mfg. Co. (Cast Iron Link), Greensboro, N. C.
Grey Iron Casting Co. (Sectional), Mt. Joy, Pa.
Hanson Clutch & Machy. Co., Tiffin, O.
Hastings Foundry & Iron Works, Hastings, Neb.
Hubard Foundry & Machine Works, Lynchburg, Va.
Indiana Foundry Co., Dept. H., Indiana, Pa.
Iron City Foundry Co. ("I. C. F." Sectional), Lebanon, Pa.
Janney & Company, Montgomery, Ala.
Johnston & Jennings Co., Addison rd. & N. Y. C. R. R., Cleveland, O.
Keagy & Lear Machine Co., Coshocton, O.
Kings County Iron Foundry Co. (Sectional & Regular), Gardner & Meserole, Brooklyn, N. Y.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book

J. K. LARKIN & CO.

253 Broadway
NEW YORK

Lawrence Shot & Lead Co. (Lead), Omaha, Neb.
Leach Bros. Iron Works, 2926 1st av S, Seattle, Wash.
Levering Mfg. Co., 210 Key Highway, Baltimore, Md.
Lilly Bros. Foundry (Also Red Weights), 2268 E. 15th, Los Angeles, Cal.
Lissberger, Marks & Son (Lead), 281 Borden av, Long Island City, N. Y.

Los Angeles Foundry Co., Los Angeles, Cal.
Menzel & Jeffery Co. (Iron), 317 9th av, Minneapolis, Minn.
Metal Supply Co., 2323 E. 52d, Los Angeles, Cal.
North Beach Iron Works, Leavenworth & Jefferson, San Francisco, Cal.
Northwest Lead Co. ("Bunker Hill" Lead), 1744 4th, Seattle, Wash.
Oil City Iron Works (Especially for Steel Sash & Large Windows), Corsicana, Tex.
Over Ewald (Round & Square, Iron & Lead), 921 Biddle, Indianapolis, Ind.
Paxton & Verling Iron Works (Iron), Omaha, Neb.
Pekor Iron Wks., Columbus, Ga.
Pugh Foundry Co., 19 W Levee, Kansas City, Mo.
Quinn Wire & Iron Works, Boone, Ia.
Raymond Lead Works (Lead), 735 S Washtenaw av, Chicago, Ill.
Rincon Foundry Co. (Sectional, Cast Iron), 351 7th, San Francisco, Cal.
Roanoke Iron & Bridge Works, Inc. (Cast Iron), Roanoke, Va.
Rochester Lead Works (Lead), Rochester, N. Y.
Sanburn Sectional Weight Co., 527 W 125th, New York
Selby Smelting Works (Lead), 201 1st, San Francisco, Cal.
Sibley Machine Co., 70 Tutt, South Bend, Ind.
Sprecher's I. G. Sons, Ephrata, N. Y.
Standard Foundry Co., 743 Hertel av, Buffalo, N. Y.
STARKE'S DIXIE PLOW WORKS, INC. ("Starke" Solid Round & Interlocking Sectional), 1518 E Cary, Richmond, Va.
Tatham & Bros. (Lead), 226 S 5th, Phila., Pa.
Thayer Foundry Co., Atchison, Kans.
Torsion Balance Co., 92 Reade, New York
Tuscaloosa Iron Works, Tuscaloosa, Ala.
United Lead Co. (Lead), 111 B'way, New York
U. S. Foundry Co., 50th & Poplar, Oakland, Cal.
Waterbury Foundry Co., Waterbury, Conn.
Western Fdry. & Sash Weight Co. (Cast Iron), 2nd & Miller, St. Louis, Mo.
Western Iron & Foundry Co., Wichita, Kans.
Western Ironite Sash Weight Co., 2448 E 11th, Los Angeles, Cal.
Windsor Mfg. Co. (Lead), 570 Clinton, Milwaukee, Wis.
York Foundry & Engine Works (Cast Iron), York, Neb.

12924—Satchels (Letter Carrier's, Etc.)

Canvas Leather Specialty Co., 757 Cass, Trenton, N. J.

12925— Satin White

Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Kalbfleisch Corp., 200 5th av, New York
Paper Makers Chemical Co., Easton, Pa.
Providence Drysalters Co., East Greenwich, R. I.

12926—Savers (Gasoline Fuel)

Mills Mfg. Co., Sabina, O.
Stewart Alfred C. Machine Works, Los Angeles, Cal.

12927—Saw Benches or Tables

American Sawmill Machinery Co. ("American"), Hackettstown, N. J.
American Wood Working Machinery Co., Rochester, N. Y.
Baker Bros. ("Baker" Universal Saw Bench), Toledo, O.
Baldwin, Tuthill & Bolton (Iron Frame Saw Tables), Grand Rapids, Mich.
Beach Mfg. Co. (Rip & Cut-off), Montrose, Pa.
Carey W. W. Co. (Circular), Lowell, Mass.
Challenge Co., Batavia, Ill.
Chase Turbine Mfg. Co. (Power Feed), Orange, Mass.
Connell & Dengler Machine Co. (Iron or Wood Table), Rochester, N. Y.
Consolidated Mach. Tool Corp. of Amer., ("Universal"), Rochester, N. Y.
See adv index at end of book
Covel Mfg. Co., Benton Harbor, Mich.
Crescent Machine Co., The, 512 Oak, Leetonia, O. *See adv index at end of book*
Crane Harold G. ("Crane" Motor Driven), 322 Front, Adrian, Mich.
Dissinger C. H. A. & Bros. Co. ("Capital"), Wrightsville, Pa.
Dodds Alex. Co. (Circular), Grand Rapids, Mich.
Fay J. A. & Egan Co., Cincinnati, O.
Gallmeyer & Livingston Co. ("Valley City" & "Union," Plain & Universal), Grand Rapids, Mich.
Gallagher Mfg. Co. (Saw Bench, for Metal), Lynn, Mass.
Garfield & Co., 1323 Hearst bldg, San Francisco, Cal.
Gee Chas. E. ("Gee" Single & Adjustable Circular Saw Benches), Lowell, Mass.
Goodspeed Machine Co., Winchendon, Mass.
Grabo E. O. Machine Works (For Metal), 180 Centre, New York
Grand Rapids Hand Screw Co. (Wood Frame), Grand Rapids, Mich.
Greenlee Bros. & Co. (Automatic), Rockford, Ill.
Hall & Brown Woodworking Machine Co., 1911 N B'way, St. Louis, Mo.
Hildreth Bros. (Tables Only), Harvard, Mass.
Holmes E. & B. Machy. Co., 59 Chicago, Buffalo, N. Y.
Hooker O. V. & Son, Perkins, St. Johnsbury, Vt.
Hub Machine Welding & Contracting Co. ("Acme" Metal), 450 N 12th, Phila., Pa.
Johnson Safety Saw Works ("Speed Saw Table"), 20 Stillman, San Francisco, Cal.
See adv index at end of book

Johnson Speed Saw Tables
Cut-off and Rip Angles, Tapers, Bevels, Slots, Tongues and Grooves Faster and Better
JOHNSON SAFETY SAW WORKS
20 Stillman St., San Francisco, California

Kane & Roach (Circular Saw Tables), Syracuse, N. Y.
Kidder R. E. Co. (Circular, etc), Worcester, Mass.
Murray D. J. Mfg. Co. (Self Feed, etc.), Wausau, Wis.
National Woodworking Machine Co., Dover, N. H.
New Winona Mfg. Co., Winona, Minn.
Oliver Machinery Co., 1001 Clancy av, Grand Rapids, Mich.
Power L. & Co., 2815 Crawford, Phila., Pa.
Pryibil P. Machine Co. (Metal), 520 W 41st, New York
Root B. M. Co., York, Pa.
Royle John & Sons (For Photo Engravers & Electrotypers, Stampmakers, etc), Paterson, N. J.
Sidney Machine Tool Co. ("Famous" Saw Tables and Jointers), Sidney, O.
Silver Mfg. Co., Box 256, Salem, Ohio
Smith H. B. Machine Co., Smithville, N. J.
Standard Saw Mill Machinery Co., Erie, Pa.
Stewart S. A. & Co. (Bench Saw Table), Waltham, Mass.
Tidey F. W., Irvington, N. J.
Tidey M. B., 80 Warren, Newark, N. J.
U. S. Machine Co. (Self Feed), Williamsport, Pa.
U. S. Wind Engine & Pump Co. (Horse Power), Batavia, Ill.
Victory Mach. & Lbr. Co., Inc., Buffalo, N. Y.
Whitney Baxter D. & Son, Inc. (Benches with Tilting Arbors), Winchendon, Mass.
Worth Machinery Mfrs., 1727 San Fernando blvd, Los Angeles, Cal.
Yates P. B. Machine Co., Beloit, Wis.

12928—Saw Blades (Band & Jig)

Aero Wks. Inc., 136 Liberty, New York
Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Barnes W. O. Co., Inc., 1216 Beaubien, Detroit, Mich.
Cocker Saw Mfg. Co., Lockport, N. Y.
Crescent Machine Co., The, 512 Oak, Leetonia, O. *See adv index at end of book*
Disston Henry & Sons, Tacony, Phila., Pa.
Gerlach Peter Co., 1708 Columbus, Cleveland, Ohio
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Lippet E. T. Saw Co., 200H Lincoln av, Pittsburgh, Pa.
Oliver Machinery Co., Grand Rapids, Mich.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Swett Frank W. & Son, 1716 W Adams, Chicago, Ill.

12929— Saw Blades (Cold)

Aero Wks. Inc., 136 Liberty, New York
Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Disston Henry & Sons, Tacony, Phila., Pa.
Hunter Saw & Machine Co. (Inserted Tooth, for Metal Cutting), 57th & Butler, Pittsburgh, Pa.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Lippert E. T. Saw Co., 200H Lincoln av, Pittsburgh, Pa.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Tindel-Morris Co. (High Carbon Crucible Steel Plate with Inserted Teeth), Eddystone, Pa., & Ellwood City, Pa.

12930—Saw Blades (Hack, Flexible Back)

Aero Wks., Inc., 89 Warren, New York
Alston Saw & Steel Co., Folcroft, Pa.
AMERICAN SAW & MFG. CO. ("Lenox"), 69 Boylston, Springfield, Mass.
Atkins E. C. & Co. ("AAA" Non-Breakable), 402 S Illinois, Indianapolis, Ind.
Barnes W. O. & Co., 1216 Beaubien, Detroit, Mich.
Clemson Bros., Dept. H., Middletown, N. Y.
Crescent Co. Inc. ("Crescent"), Meriden, Conn.
Diamond Saw & Stamping Works, 357 7th, Buffalo, N. Y.
See adv index at end of book
Disston Henry & Sons, Tacony, Phila., Pa.
Huther Bros., Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Millers Falls Co. (West Haven Plant) ("Millers Falls" & "Utility"), Dept. H, Millers Falls, Mass.
Napier Saw Works, Inc. ("Quality" Tungsten Steel Expert Crucible Carbon Steel), Middletown, N. Y.
Ohlen Bishop Co., 931 Factory, Columbus, O.
Peerless Machine Co. ("Peerless"), 1630 Racine, Racine, Wis.
See adv index at end of book
Reynolds & Co., 1220 Real Estate Trust bldg., Phila., Pa.
Ronan Saw & Tool Works ("Ronan," "Rex"), 349 Davey, Buffalo, N. Y.
Thompson H. G. Son & Co. ("Eureka," "X. L.," "T. T.," "Jeweler"), New Haven, Conn.

12931— Saw Blades (Hack, for Metal)

Aero Wks. Inc., 136 Liberty, New York
AMERICAN SAW & MFG. CO., 69 Boylston, Springfield, Mass.
Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Barnes W. O. Co., Inc. (Saw Blades Only) 1216 Beaubien, Detroit, Mich.
Clemson Bros. ("Expert"), Dept. H, Middletown, N. Y.
Crescent Co. Inc. ("Crescent"), Meriden, Conn.
DIAMOND SAW & STAMPING WORKS ("Sterling"), 357 7th, Buffalo, N. Y.
See adv index at end of book
Disston Henry & Sons, Tacony, Phila., Pa.
Gladium Co., 11 Cliff, New York
Millers Falls Co. (West Haven Plant), ("Millers Falls," "Universal" all Hard "Utility" Soft Back), Dept. H, Millers Falls, Mass.
Napier Saw Works Inc. ("Quality" Tungsten Blade "Expert" Crucible Carbon Blade), Middletown, N. Y.
Peerless Machine Co. ("Peerless"), 1630 Racine, Racine, Wis.
See adv index at end of book
Pittsburgh Gage & Supply Co. ("Damascus"), 30th & Liberty av, Pittsburgh, Pa.
Ronan Saw & Tool Works, 349 Davey, Buffalo, N. Y.
See adv index at end of book

Hack **RONAN** *Saws*
Ronan Saw & Tool Works
349 Davey St., Buffalo, N. Y.
"RONAN," all hard and flexible Hand and Power Blades. "REX," all hard and flexible Carbon Hand Blades. Metal Cutting Band Saws.

Thompson H. G. & Son Co., ("Milford," "Eureka," "X. L.," "T. T.," "Jeweler"), New Haven, Conn.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

12931a—Saw Blades in Coils

Aero Wks. Inc., 136 Liberty, New York
Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Barnes W. O. & Co., 1216 Beaubien, Detroit, Mich.
Crescent Co. Inc. ("Crescent"), Meriden, Conn.
Disston Henry & Sons, Tacony, Phila., Pa.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.

Saw Blades (Stone)

See Stone Saw Blades, Steel

12932— Saw Blades & Frames (Hack)

See also Hack Saw Machines

Aero Wks. Inc., 136 Liberty, New York
AMERICAN SAW & MFG. CO. ("Lenox"), 69 Boylston, Springfield, Mass.
See adv index at end of book
Arcade Mfg. Co., Freeport, Ill.
Armstrong-Blum Mfg. Co. ("Marvel" Draw-cut), 337 N Francisco av, Chicago, Ill.
Armstrong G. R. Mfrs. Supplies, Inc., 130 High, Boston, Mass.
Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Barnes W. O. & Co., 1216 Beaubien, Detroit, Mich.
Boker H. & Co. ("Intra" Hack Saw Blades), 101 Duane, New York
Bridgeport Hardware Mfg. Corp. ("Matchless" Adjustable Frames), Bridgeport, Conn.
Buffum Tool Co. ("Swastika" Adjustable Frames Only), South Side, Louisiana, Mo.

(Continued on following page)

Saw Blades & Frames (Hack)—Cont.

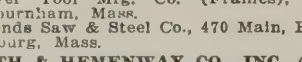
Clarke's Saw & Machine Wks., 66 Alpine, Newark, N. J.
Clemson Bros. ("Quality"), Dept. H., Middletown, N. Y.
Clemson Knife Co. (Bracket & Butchers' Saws), Woburn, Mass.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Crescent Co. Inc. ("Crescent"), Meriden, Conn.
Cutter & Wood Supply Co., 274 Friend, Boston, Mass.
Diamond Saw & Stamping Works ("Sterling" for Structural Steel Work), 357 7th, Buffalo, N. Y.
See adv index at end of book

"STERLING" Hack Saw Blades
Hand and Power



REDUCE CUTTING COSTS
DIAMOND SAW & STAMPING WORKS
Buffalo, N. Y.

Dikeman Mfg. Co. (Extension Hack Saw Frames), Norwalk, Conn.
Disston Hy & Sons ("Disston"), Dept. H, Tacony, Phila., Pa.
Goodell-Pratt Co. ("G." "G. P. 888"-"G. P. 777"), Greenfield, Mass.
Grey Iron Casting Co. (Family Hack Saws), Mt. Joy, Pa.
Griffin G. W. Co., Franklin, N. H.
Grover File Co., Nashua, N. H.
Harris Samuel & Co., 114 N Clinton, Chicago, Ill
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Jennings C. E. & Co., 71 Murray, New York
Manning, Maxwell & Moore, Inc., 100 E 42nd, New York
See adv index at end of book
Millers Falls Co. (West Haven Plant), ("Millers Falls," "Utility," "Universal," Blade, "Easy Grip Extension" Frames), Dept. H, Millers Falls, Mass.
Montgomery & Co. ("Fulton" Blades), 64 Reade, New York
Napier Saw Works Inc. ("Quality"), Middletown, N. Y.
Ohlen Bishop Co., 931 Factory, Columbus, O.
Racine Tool & Mach. Co. (Blades Only), Racine, Wis.
Roberson W. Machinery & Foundry Co. ("Economy"), 56 Rano, Buffalo, N. Y.
Rogers H. A. Co. ("Milflex" Hack Saws Jobbers), 87 Walker, New York
See adv index at end of book
Ross Mfg Co. ("Perfecto" Blades), 1225 Lydia, Kansas City, Mo.
Sawyer Tool Mfg. Co. (Frames), Ashburnham, Mass.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
SMITH & HEMENWAY CO., INC. ("Red Devil" Hack Saw Frame), 261 H. B'way, New York; 130 H. Coit, Irvington, N. J.
See adv index at end of book



"Red Devil" Hack Saw Blades
HARD AND FLEXIBLE

Made from highest grade steel. Teeth are milled sharp with square cutting points carefully, evenly set at the right pitch to give a smooth, easy, rapid cut and obtaining 30% more work. Also a complete line of "Red Devil" Hack Saw Frames. *Write for descriptive matter and prices.* *Tool booklet on request*

Smith & Hemenway Co., Inc.
New York Sales and Export Office, 261H B'way, N. Y. C.
Factory, 130H Coit Street, Irvington, N. J.

Spartan Saw Works ("Spartan"), Wason & Fisk av Springfield, Mass.
Starrett L. S. Co., Athol, Mass.
Thompson H. G. & Son Co. ("Mil-Flex"), 277 Chapel, New Haven, Conn.
Union Hardware Co. (Frames Only), Torrington, Conn.
Union Tool Co. (Frames), Orange, Mass.
Victor Saw Works ("Victor" Blades Only), Middletown, N. Y.
WELLS CORPORATION, THE ("Williamsburg"), 15 Arch, Greenfield, Mass. *See adv index at end of book*

12933—Saw Bucks & Frames

Adams Husker Co. (Cross-Cut Saw Frames), Marysville, O.
Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Chapin-Stephens Co. (Turning Saw Frames & Saws), Pine Meadow, Conn.
Disston Hy & Sons, Tacony, Phila., Pa.
FREEMAN MFG. CO. (Cord Wood Frames), Racine, Wis.
See adv index at end of book
Galloway Wm. Co., Waterloo, Ia.
Goodell-Pratt Co. (Butchers, Frames), Greenfield, Mass.
Hutchinson Homer H. (Saw Bucks Only), Bristol, N. H.
North Star Iron Works Co. (Frames), Owatonna, Minn.
Robinson M. W. Co., 296 B'way, New York
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Tucker & Dorsey Mfg. Co. ("Hoosier" Folding Saw Buck), Indianapolis, Ind.

12934—Saw Coils (Butchers')

Aero Wks. Inc., 136 Liberty, New York
Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Disston Henry & Sons, Tacony, Phila., Pa.
Goodell Pratt Co., Greenfield, Mass.

Saw Filers & Setters

See Machines, Saw Filing & Setting; Also Machines, Saw Sharpening

12935—Saw Mill Feeds (Steam)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Diamond Iron Works, 2nd & 18th av N, Minneapolis, Minn.
Filer & Stowell Co., Milwaukee, Wis.
Harnischfeger Co. Rp. (Steam Feed Engines), Milwaukee, Wis.
See adv index at end of book
Soule Steam Feed Works, Meridian, Miss.

Saw Mills

See Lumber Manufacturers

12936— Saw Mills (Band)

Allis-Chalmers Mfg. Co. (Single & Double Cutting, Telescopic), Milwaukee, Wis.
See adv index at end of book
Clark Bros. Co., Olean, N. Y.
Diamond Iron Works (Single & Double Cutting), 2nd & 18th av N, Minneapolis, Minn.
Filer & Stowell Co., Milwaukee, Wis.
Garland M. Co., Bay City, Mich.
Giddings & Lewis Mfg. Co., Fond du Lac, Wis.
Lombard Iron Works & Supply Co., Augusta, Ga.
McDonough Mfg. Co., Eau Claire, Wis.
Manistee Iron Works Co., Manistee, Mich.
Mershon W. B. & Co., Saginaw, Mich.
Murray D. J. Mfg. Co., Wausau, Wis.
Phoenix Mfg. Co. (Portable, etc), Eau Claire, Wis.
Portland Iron Works, 14th & Northrup, Portland, Ore.
Sinker-Davis Co. ("Hoosier"), Indianapolis, Ind.
Stearns Co., Erie, Pa.
Wheland Company, W Side & 27th, Chattanooga, Tenn.
Woodruff Machinery Mfg. Co., Winder, Ga.

12937— Saw Mills (Circular)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Saw Mill Machinery Co., Hackettstown, N. J.
Bartley Wm. & Sons (Portable), Bartley, N. J.
Chase Turbine Mfg. Co., Orange, Mass.
Clark Bros. Co., Olean, N. Y.
De Loach Mill Mfg. Co., 318 Carter, Chattanooga, Tenn.
Diamond Iron Works, 2nd & 18th av N, Minneapolis, Minn.
Emerson-Brantingham Co. ("Reeves," "Geiser Peerless Presses"), Rockford, Ill.
Enterprise Co., Columbiana, Ohio
Filer & Stowall Co., Milwaukee, Wis.
Fisher & Davis Mfg. Co., St. Louis, Mo.
Frick Co., Waynesboro, Pa.
Garland M. Co., Bay City, Mich.
Giddings & Lewis Mfg. Co., Fond du Lac, Wis.
IRELAND MACHINE & FOUNDRY CO., INC., Norwich, N. Y.
Knight Mfg. Co., Canton, O.
Lane Mfg. Co. (Lane Patent Lever-Set), Montpelier, Vt.
Lombard Iros Wks. & Supply Co., Augusta, Ga.
Lyon Iron Works ("Standard"), Greene, N. Y.
Moltz Jacob J., Williamsport, Pa.
Murray D. J. Mfg. Co., Wausau, Wis.
Phoenix Mfg. Co., Eau Claire, Wis.
Quick & Thomas Co., Auburn, N. Y.
Ricker T. H. & Sons Co., Harrison, Me.
Russell & Co., Massillon, O.
Salem Iron Works, Winston-Salem, N. C.
Scheidler Machine Works Co., Newark, O.
Sinker-Davis Co., Indianapolis, Ind.
Smalley Mfg. Co., Manitowoc, Wis.
Southern Engine & Boiler Mfg. Co., Jackson, Tenn.
Standard Saw Mill Machinery Co., Erie, Pa.
Stearns Co., Erie, Pa.
Taylor Iron Works & Supply Co., 1014 B'way, Macon, Ga.
Union Iron Works, Bangor, Me.
Wheland Company, W Side & 27th, Chattanooga, Tenn.
Woodruff Machinery Mfg. Co., Winder, Ga.
Yates P. B. Machine Co., Beloit, Wis.

12938— Saw Mills (Drag)

American Saw Mill Machinery Co., Hackettstown, N. J.
Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Filer & Stowell Co., Milwaukee, Wis.
Garland M. Co., Bay City, Mich.
Gerlach Peter Co., 1708 Columbus, Cleveland Ohio
Giddings & Lewis Mfg. Co., Fond du Lac, Wis.
Globe Co. (Self-Feed), Sheboygan, Wis.
Howell R. R. & Co., 31st av, Minneapolis, Minn.
Ireland Machine & Foundry Co. ("Ireland"), Norwich, N. Y.
Kline Lewis T. (Drag Saw Machines), Alpena, Mich.
Lane Mfg. Co., Montpelier, Vt.
Lyon Iron Works ("Standard"), Greene, N. Y.
Smalley Mfg. Co., Manitowoc, Wis.
Southern Engine & Boiler Mfg. Co., Jackson, Tenn.
Stearns Co., Erie, Pa.
Taylor Iron Wks. & Supplies Co., 1014H Broadway, Macon, Ga.
Trevor Mfg. Co. (For Handle Factories, etc), Lockport, N. Y.
Union Iron Works, Bangor, Me.

12939— Saw Mills (Gang)

American Saw Mill Machinery Co., Hackettstown, N. J.
Allis-Chalmers Mfg. Co. (Trimmers), Milwaukee, Wis. *See adv index at end of book*
Diamond Iron Works ("Diamond" Belt, etc), 2nd & 18th, Av N, Minneapolis, Minn.
Filer & Stowell Co., Milwaukee, Wis.
Giddings & Lewis Mfg. Co., Fond du Lac, Wis.
Henderson W. K. Iron Works & Supply Co., Shreveport, La.
Stearns Co., Erie, Pa.
Union Iron Works, Bangor, Me.
WICKES BROS., Saginaw, Mich.
See adv index at end of book

12940—Saw Mills (Portable)

Advance Rumley Co. ("Gear Scott"), Madison & Lincoln Way, La Porte, Ind.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Saw Mill Machinery Co., Hackettstown, N. J.
Burlingame A. Co., 149 Commercial, Worcester, Mass.
Emerson - Brantingham Co. ("Reeves," "Geiser Peerless"), Rockford, Ill.
Enterprise Co. ("New Buckeye"), Columbiana, O.
Farquhar A. B. Co. (Ltd.), York, Pa.
Fisher & Davis Mfg. Co., St. Louis, Mo.
Frick Co., Waynesboro, Pa.
Gainesville Iron Works, Gainesville, Ga.
Hench & Dromgold Co., York, Pa.
Howell R. R. & Co., 31st av., Minneapolis, Minn.
IRELAND MACHINE & FOUNDRY CO., INC., Norwich, N. Y.
Keck-Gonnermann Co., Mount Vernon, Ind.
Liddell Co., Charlotte, N. C.
Lombard Iron Works & Supply Co., Augusta, Ga.
Lyon Iron Works, Greene, N. Y.
Mecklenburg Iron Works, Charlotte, N. C.
Port Huron Engine & Thresher Co., Port Huron, Mich.
Russell & Co., Massillon, O.
Salem Iron Works, Winston-Salem, N. C.
Scheidler Machine Works, Newark, O.
Sergeant Mfg. Co., Greensboro, N. C.
Southern Engine & Boiler Mfg. Co., Jackson, Tenn.
Standard Saw Mill Machinery Co., Erie, Pa.
Taylor Iron Works & Supply Co., 1014 B'way, Macon, Ga.

Saw Re-Toothers

See Saw Stretching Machines

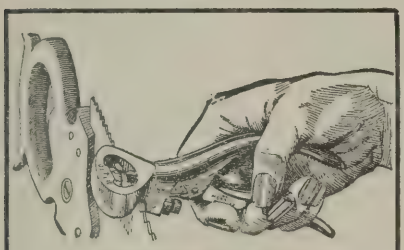
Saw Rigs (Portable)

See Sawing Rigs, Portable

12941— Saw Sets

Aero Wks. Inc., 136 Liberty, New York
Atkins E. C. & Co., Indianapolis, Ind.
Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Bergman Tool Mfg. Co., Buffalo, N. Y.
Boker Cutlery & Hardware Co., Inc. (Imported), 101 Duane, New York
Buckeye Mfg. Co. (" Buckeye," Foot Power), Foundry: 2046 W 55th, Cleveland, O.
Buffum Tool Co. ("Swastika" Carpenters'), South Side, Louisiana, Mo.
Bullock Mfg. Associates ("Lester," "Leach Pattern," "Aiken Pattern," "Morell Pattern"), Springfield, Mass.
Covel Mfg. Co., Benton Harbor, Mich.
Disston Hy. & Sons ("Monarch," "Champion," "Bully Boy," "Samson," "Star," "Triumph"), Tacony, Phila, Pa.
Goodell-Pratt Co., Greenfield, Mass.
Holt G. L. Co. ("Holt"), 10 Segourny, Hartford, Conn.
Johnson Wm. (Hedenberg Works, Hammer, Common & Stillman Lever), Newark, N. J.

Kilborn & Bishop Co. ("Whiting," "Woodman," "Handy" Forged), 194 Chapel, New Haven, Conn.
Landers, Frary & Clark Co. ("Nash's," Hardware Specialties), New Britain, Conn.
Lowentraut P. Mfg. Co. ("Aiken's"), 86 Brenner, Newark, N. J.
MORRILL CHAS. INC. ("Morrill" & "Apex" Brands), 94 Lafayette, New York
See adv index at end of book



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"Special" and No. 1 for hand saws not over 16 gauge.
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Sayre L. A. Co. ("Holt Pattern," "Morrill Pattern," "Peerless," "Aiken Pattern"), 332 Mulberry, Newark, N. J.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Smith Seymour & Son (Hammer & Lever), Oakville, Conn.
SMITH & HEMENWAY CO., INC., 261 H. B'way, New York & 130 H. Colt, Irvington, N. J.
See adv index at end of book
Springfield Machine Co., 20 Cypress, Springfield, Mass.
Stearns E. C. & Co. ("Stearns"), 450 Oneida, Syracuse, N. Y.
Taintor H. F. Mfg. Co. ("Taintor's"), 2 Rector, New York

12942— Saw Slashers

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Diamond Iron Works, 2nd & 18th av N, Minneapolis, Minn.
Filer & Stowell Co., Milwaukee, Wis.
Garland M. Co., Bay City, Mich.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.

Saw Swages

See Swages, Saw

Saw Tables

See Saw Benches or Tables; also Saw Tables for Metal

12943—Saw Tables for Metal

Bridgeport Engineering Co., Syme. Strtfd., Bridgeport, Conn.
Grabo E. O. Machine Works, 180 Centre, New York
Hub Machine Welding & Contracting Co. ("Acme"), 450 N 12th, Phila., Pa.

12944— Saw Teeth

Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Corley Mfg. Co., 1217 Market, Chattanooga, Tenn.
Disston Henry & Sons, Tacony, Phila., Pa.
Hunter Saw & Machine Co. (For Metal Cutting), Dept. H, 57th & Butler, Pittsburgh, Pa.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Southern Saw Works, East Point, Ga

12945—Saw Teeth (Diamond)

Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Meyers W. F. ("Diabrasive"), Bedford, Ind.

12946-7—Saw & Hook (Pruning)

Cronk & Carrier Mfg. Co. ("Elmira"), 150 Lake Elmira, N. Y.
Ohlen-Bishop Co. ("Gem"), Columbus, O.

12948-9— Sawdust

Aluminum Co. of America, Oliver bldg, Pittsburgh, Pa.
Becker & Moore (White Pine), No. Tonawanda, N. Y.
Chapin-Stephens Co. (Boxwood), Pine Meadow, Conn.
Dixon Wm., Inc. (Jewelers'), 119 Fulton, New York
Dock & Mill Co., 100 Main, Tonawanda, N. Y.
Estes E. B. & Sons (Boxwood, Hardwood, Softwood, etc), 364 5th av, New York
See adv index at end of book
Herne J. F. Co. (Hardwood), Charlestown District, Boston 29, Mass.
Lignum Chemical Works (Rock Maple & Boxwood), 366 Morgan av, Brooklyn, N. Y.
Maloney J. C. Son, P. O. Box No. 2, Swissvale Branch, Pittsburgh, Pa.
Nashua Spool & Bobbin Co. (Dry Hard & Soft Wood), Haverhill National Bank bldg, Haverhill, Mass.
National Sawdust Co. (All Kinds for All Purposes), 102 N 1st, Brooklyn, N. Y.
Smith Oscar & Son, 688 B'way, Albany, N. Y.
Sommer John Faucet Co. (Turkey Boxwood), 30 Morris av, Newark, N. J.

12950—Sawing Rigs (Portable)

American Saw Mill Machinery Co., Hackettstown, N. J.
Badger Gas & Gasoline Engine Co., Kansas City, Kans.
C. H. & E. MFG. CO. ("C. H. & E.," with Power "Built in" for Contractors, 5 Sizes), 254 Mineral, Milwaukee, Wis.
See adv index at end of book
Fairbanks, Morse & Co. (With Engine), 900 S Wabash av, Chicago, Ill.
Fisher & Davis Mfg. Co. N 1st, St. Louis, Mo.
Johnson Safety Saw Works ("Speed Saw Table"), 20 Stillman, San Francisco, Cal.
See adv index at end of book
Meyer, Henry H. Co. (Dirs.), 110 S. Howard, Baltimore, Md.
See adv index at end of book
Michel Electric Hand Saw Co. ("Skilsaw" Electric Driven), 166 E Grand av, Chicago
Monarch Electric Saw Co., 519 California, San Francisco, Cal.
Morrisville Fdry. Co. (Drag), Morrisville, Vt.
Novo Engine Co., Lansing, Mich.
Oshkosh Mfg. Co. ("Eveready"), 118 Amber, Oshkosh, Wis.
Parks Ball Bearing Machine Co., Knowlton & Fergus, Cincinnati, O.
Ransome Concrete Machinery Co. ("Oshkosh"), Dunellan, N. J.
Stover Mfg. & Engine Co. (With Gasoline Engine), Freeport, Ill.
Taylor Iron Works & Supply Co., 1014 B'way, Macon, Ga.
Termaat & Monahan Mfg. Co., Oshkosh, Wis.
United Engine Co., Lansing, Mich.
Witte Engine Works (Stationary), 16th & Oakland, Kansas City, Mo.
Worth Machinery Mfrs., 1727 San Fernando rd, Los Angeles, Cal.

12951—Sawing Rigs (Portable Rip Swing Cross-Cut)

American Saw Mill Machinery Co., Hackettstown, N. J.
Johnson Safety Saw Works ("Speed Saw Table"), 20 Stillman, San Francisco, Cal.
See adv index at end of book
Ransome Concrete Machinery Co. ("Oshkosh," Heavy), Dunellen, N. J.

12952— Saws

Aero Wks. Inc., 136 Liberty, New York
Ambler Saw Mfg. Co. (Band & Circular), Natick, Mass.
Atkins E. C. & Co., Indianapolis, Ind.
Barcus Bros., Muskegon, Mich.
Barnes W. O. & Co. (Wood Band), 1216 Beaubien, Detroit, Mich.
Beach Mfg. Co. (Cut-Off Wood, Double & with 2 & 3 Tracks), Montrose, Pa.
Birmingham Saw Works, Birmingham, Ala.
Branch Saw Co., 2323 N 9th, St. Louis, Mo.
Broadhead Jos., Manistee, Mich.
Buckeye Saw Mfg. Co., Columbus, O.
California Saw Works, 721 Brannan, San Francisco, Cal.
Canton Saw Co. (Circular & Repairs), Canton O.
Chattanooga Saw Works, 1512 Williams, Chattanooga, Tenn.
Clemson Bros. Middletown, N. Y.
Cocker Saw Mfg. Co., Lockport, N. Y.
Colonial Supply Co. (All Kinds), 217 Water, Pittsburgh, Pa.
See adv index at end of book
Crescent Co. Inc. ("Crescent"), Meriden, Conn.
Curtis & Co., Mfg. Co., 1571 Kienlen av, St. Louis, Mo.
Decker E. F. Saw Works, Albany, N. Y.
Detroit Saw & Tool Co., 529 E Fort, Detroit, Mich.
Diamond Saw & Stamping Works ("Sterling" Hack), 357 7th, Buffalo, N. Y.
See adv index at end of book
Disston Henry & Sons, Tacony, Phila., Pa.
Edge Frank & Co., Grand Rapids, Mich.
Emerson, Smith & Co. (Ltd.), Beaver Falls, Pa.
Foucart J. E., 415H W 3rd, Williamsport, Pa.
Gerlach Peter Co., 1712 Winter, Cleveland, O.
Gladium Co., 11 Cliff, New York
Goodrich H. M., Bellingham, Wash.
Gray Fndry., Poultney, Vt.
Hoe R. & Co., 504 Grand, New York
Hunter Saw & Machine Co. (Circular Saws for Metal), 57th & Butler, Pittsburgh, Pa.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Jennings C. E. & Co., 71 Murray, New York
Jennings & Griffin Mfg. Co., Port Jervis, N. Y.
Karle & Sons, 142 Chicago, Buffalo, N. Y.
Kennedy Ralph M., 111 N 7th, Phila., Pa.
Kentucky Saw Works, Louisville, Ky.
Lippert E. T. Saw Co., Millvale, Pa.
Lufkin Foundry & Machine Co. (Universal Cut-Off), Lufkin, Tex.
McNiece Wm. & Son, 515 Cherry, Phila., Pa.
Menominee Saw Co., Menominee, Mich.
Mesta Machine Co. (High Speed Friction), Box 1124, Pittsburgh, Pa.
Michigan Saw Co., Saginaw, Mich.
Napier Saw Works Inc. ("Napier" For Metal), Middletown, N. Y.
Ohlen Bishop Co., 931 Factory, Columbus, O.
Oldham New York Saw Works ("Oldham"), 112 26th, Brooklyn, N. Y.
Penfield Saw Works, Bristol, Conn.
Reynolds & Co., 1220 Real Estate Trust bldg, Phila., Pa.
Rex File & Saw Co., Newcomerstown, O.
Robertson Mfg. Co., 1443 Niagara, Buffalo, N. Y.
RONAN SAW & TOOL WORKS, 349 Davey, Buffalo, N. Y.
Rowe Geo. & Son, 121-23 W 2d, Cincinnati, O.
Schwartz's M. Sons, Bangor, Me.
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SAWS All Kinds for Cutting Wood or Metal
SIMONDS SAW AND STEEL CO.
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Southern Saw Works ("Southern"), East Point, Ga.
State Mfg. & Engineering Co. (Electric), 2826 W Lake, Chicago, Ill.
Stevenson Gear Co., 11th & Cornell, Indianapolis, Ind.
Thompson H. G. & Son Co. (Hack & Band for Metal), New Haven, Conn.
Toland & Son, 232 Front, Baltimore, Md.
Toledo Saw & Supply Co., Toledo, O.
Victor Saw Works (Hack), Middletown, N. Y.

Saws (Back)

See Saws, Mitre Box

12953— Saws (Band)

Aero Wks. Inc., 136 Liberty, New York
Ambler Saw Mfg. Co., Natick, Mass.
AMERICAN SAW & MFG. CO. (For Metal & Wood), 69 Boylston, Springfield, Mass.
Atkins E. C. & Co. ("Pribnow" Metal), 402 S. Illinois, Indianapolis, Ind.
Barker R. L. & Co. ("Barker"), 642 W Wash., Chicago, Ill.
Barnes W. O. Co., Inc. (For Metal & Wood), 1216 Beaubien, Detroit, Mich.
Black Diamond Saw & Machine Works, Natick, Mass.
Branch Saw Co., 2323 N 9th, St. Louis, Mo.
Burton A. J. & Son, Quincy, Mass.
California Saw Works, 721H Brannon, San Francisco, Cal.
Clark Mach. Wks. (Metal), Belmont, N. Y.
Clemson Bros., Middletown, N. Y.
Cocker Saw Mfg. Co., Lockport, N. Y.
Crescent & Co. Inc. ("Crescent"), Meriden, Conn.
CRESCENT MACHINE CO., THE, 512 Oak, Leetonia, O. *See adv index at end of book*
Decker E. F. Saw Works, Albany, N. Y.
Detroit Saw & Tool Co., 529 E Fort, Detroit, Mich.
Disston Hy. & Sons, Tacony, Phila., Pa.
Edge Frank & Co., Grand Rapids, Mich.
Edwards W. W., 716 N Main, Los Angeles, Cal.
Emerson, Smith & Co. (Ltd.), Beaver Falls, Pa.
Fowle John L., Woburn, Mass.
Gallmeyer & Livingston Co., Grand Rapids, Mich.

(Continued on following page)

Saws (Band)—Continued

Gerlach Peter Co., 1708 Columbus, Cleveland, O.
Griffin G. W. Co., Franklin, N. H.
Hastings & Co., 49 Commercial, Newark, N. J.
Hoe R. & Co., 504 Grand, New York
Huther Bros. Saw Mfg. Co., Metal Cutting, Rochester, N. Y.
See adv index at end of book
Jones Superior Mach. Co., 1264 W North av, Chicago, Ill.
Kennedy Ralph M., 111 N 7th, Phila., Pa.
Lippert E. T. Saw Co., Millvale, Pa.
McNiece Wm. & Son (Imp.), 515 Cherry, Phila., Pa.
Maine Machine Wks. (14 inches), 701 N Main, Los Angeles, Cal.
Metal Saw & Machine Co. Ind. (Napier"), 40H Napier, Springfield, Mass.
Moss Arthur J., 178 Centre, New York
Napier Saw Works Inc. ("Napier" for Metal), Middletown, N. Y.
Ohlen-Bishop Co. (Hard Tempered & Flexible Metal Back Wood), 931 Factory, Columbus, Ohio
Oliver Machinery Co., 1001 Clancy av, Grand Rapids, Mich.
Oldham New York Saw Works ("Oldham"), 112 26th, Brooklyn, N. Y.
PORTER-CABLE MACHINE CO., THE, ("Syracuse" for Wood or Metal Motor Driven Portable, Ball Bearing), 708 N Salina, Syracuse, N. Y.
See adv index at end of book
Racine Tool & Machine Co., Racine, Wis.
Reynolds & Co. ("Reco"), 1220H Real Estate Trust Bldg., Phila., Pa.
Ronan Saw & Tool Works, 349 Davey, Buffalo, N. Y.
Root B. M. Co., York, Pa.
Silver Mfg. Co. ("Silver"), Box 256, Salem, Ohio
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Smith H. B. Machine Co., Smithville, N. Y.
Southern Saw Works ("Southern"), East Point, Ga.
Standard Saw & Tool Mfg. Co., Kane, Pa.
Tannewitz Works (Wood & Metal), 333 Front N W, Grand Rapids, Mich.
Toland & Son, 232 Front, Baltimore, Md.
Toledo Saw & Supply Co., Toledo, O.
Wallace J. D. & Co., 134 S California av, Chicago, Ill.
Winchester Repeating Arms Co., New Haven, Conn.
York Saw Works, York, Pa.

Saws (Band Sprue)

See Band Sprue Sawing Machines

12954—Saws (Barrel, Stave)

Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Decker E. F. Saw Works, Albany, N. Y.
Disston Hy. & Sons (Cylinder), Tacony, Phila., Pa.
Gerlach Peter Co., 1708 Columbus, Cleveland, Ohio

12955— Saws (Bilge)

Atkins E. C. & Co., Indianapolis, Ind.
Disston Henry & Sons, Tacony, Phila., Pa.
Gerlach Peter Co., 1708 Columbus, Cleveland, Ohio

12956— Saws (Blind Slat)

Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Ohlen Bishop Co., 931 Factory, Columbus, O.

12957— Saws (Bracket)

Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Griffin G. W. Co., Franklin, N. H.
Millers Falls Co. ("Millers Falls"), Dept. H, Millers Falls, Mass.

12958— Saws (Buck)

Aero Wks. Inc., 136 Liberty, New York
Atkins E. C. & Co., 402 S. Illinois, Indianapolis, Ind.
Disston Henry & Sons, Tacony, Phila., Pa.
Ohlen Bishop Co., 931 Factory, Columbus, O.

12959-60—Saws (Butchers', Etc.)

Aero Wks. Inc., 136 Liberty, New York
Atkins E. C. & Co., 402 S. Illinois, Indianapolis, Ind.
Brecht Co., 1201 Cass av, St. Louis, Mo.
Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Chatillon Jno. & Sons ("Chatillon"), 85 Cliff, New York
Crescent Co. Inc. ("Crescent"), Meriden, Conn.
Decker E. F. Saw Works, Albany, N. Y.
Disston Henry & Sons, Tacony, Phila., Pa.
Goodell-Pratt Co. (and Frames), Greenfield, Mass.
Jennings C. E. & Co. ("C. E. J. & Co.'s") 71 Murray, New York
Jones Superior Mach. Co., 1264 W North av, Chicago, Ill.
Millers Falls Co. ("Millers Falls" Crucible Steel Back). Dept. H. Millers Falls Mass.
Monarch Electric Saw Co., 519 California, San Francisco, Cal.
Ohlen Bishop Co., 931 Factory, Columbus, O.
Pittsburgh Saw & Mfg. Co., 32nd & Smallman, Pittsburgh, Pa.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Thompson H. G. & Son Co. (Polished, also in Coils of 50 feet), New Haven, Conn.

12961— Saws (Chamfering)

Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Disston Henry & Sons, Tacony, Phila., Pa.
Huther Bros. Saw Mfg. Co., Rochester N. Y. *See adv index at end of book*

12962— Saws (Circular)

Aero Wks. Inc., 136 Liberty, New York
American Saw Wks., Hackettstown, N. J
Atkins E. C. & Co., 402 S. Illinois, Indianapolis, Ind.
Barcus Bros., Muskegon, Mich.
Branch Saw Co. (Inserted Teeth), 2323 N 9th, St. Louis, Mo.
Braun J. G., 609 S Paulina, Chicago, Ill.
Buckeye Saw Mfg. Co. (Inserted & Solid Tooth), Columbus, O.
California Saw Works, 721H Brannon, San Francisco, Cal.
Canton Saw Co., 700 Walnut av, S E, Canton, O.
Chattanooga Saw Works (Solid & Inserted Tooth), 1512 Williams, Chattanooga, Tenn.
Clemson Bros., Middletown, N. Y.
Cocker Saw Mfg. Co., Lockport, N. Y.
Curtis & Co. Mfg. Co. (Solid & Inserted Teeth), 1571 Kienlen av, St. Louis, Mo.
Decker E. F. Saw Works, Albany, N. Y.
Detroit Saw & Tool Co., 66 E Fort, Detroit, Mich.
Disston Henry & Sons (Inserted Tooth, Gullet Tooth, Solid Tooth), Tacony, Phila., Pa.
Eagle Saw Works, Ft. & Main, Chattanooga, Tenn.
Ellis Keystone Agricultural Wks., Pottstown, Pa.
Emerson, Smith & Co., Beaver Falls, Pa.
Foucart J. E., Williamsport, Pa.
Gallmeyer & Livingston Co. ("Valley City" & "Union"), Grand Rapids, Mich.
Gerlach Peter Co., 1708 Columbus, Cleveland, O.
Goodell-Pratt Co. (For Soft Metal, Bone or Ivory), Greenfield, Mass.
Greenlee Bros. Co., 12th, Rockford, Ill.
Hamachek Frank ("Grant"), Kewaunee, Wis.
Hastings & Co., 49 Commercial, Newark, N. J.
Hoe R. & Co., 504 Grand, New York
Hunter Saw & Mach. Co. (Semi-High Speed for Metal), 57th & Butler, Pittsburgh, Pa.
Kennedy Ralph M., 111 N 7th, Phila., Pa.
Lippert E. T. Saw Co., Millvale, Pa.
McNiece Wm. & Son, 515 Cherry, Phila., Pa.
Marston J. M. & Co. (Hand & Foot Power). 226 Ruggles, Boston, Mass.
Menominee Saw Co., Menominee, Mich.
Michigan Saw Co., Saginaw, Mich.
Moltrup Steel Products Co., 127H N. Peroid, Beaver Falls, Pa.
Moss Arthur J., 178 Centre, New York
Ohlen Bishop Co., 931 Factory, Columbus, O.
Oldham New York Saw Works ("Oldham"), 112 26th, Brooklyn, N. Y.
Oliver Machinery Co., Grand Rapids, Mich.
Penfield Saw Works, Bristol, Conn.
Rowe Geo. & Son., 121-23 W 2d, Cincinnati, O.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Stover Mfg. & Engine Co., Freeport, Ill.
Southern Saw Works ("Southern"), East Point, Ga.
Tabor Mfg. Co. ("Taylor-Newbold"), 18th & Hamilton, Phila., Pa.
Thurston Mfg. Co. ("Thurco"), 140 Benedict, Providence, R. I.
Toledo Saw & Supply Co., Toledo, O.
Wallace J. D. & Co. (Woodworking), 134 S California av, Chicago, Ill.
York Saw Works, York, Pa.

12963—Saws (Circular, for Metal)

Aero Wks. Inc., 136 Liberty, New York
Atkins E. C. Co., 402 S. Illinois, Indianapolis, Ind.
Braun J. G., 609 S Paulina, Chicago, Ill.
California Saw Works, 721H Brannon, San Francisco, Cal.
Cocker Saw Mfg. Co., Lockport, N. Y.
Decker E. F. Saw Works, Albany, N. Y.
Disston Henry & Sons ("Premier" Inserted Tooth), Tacony, Phila., Pa.
Espen-Lucas Mach. Wks., Girard av, Philadelphia, Pa.
Goodell-Pratt Co. (Small Sizes Only), Greenfield, Mass.
Hunter Saw & Machine Co. (For Hot or Cold Metal, etc.), 57th & Butler, Pittsburgh, Pa.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Sippert E. T. Saw Co. (Millvale), Pittsburgh, Pa.
Ohlen Bishop Co., 931 Factory, Columbus, O.
Pond-Robinson Metal Saw Co. ("Robinsons"), 1204 Howard, San Francisco, Cal.
Roberson W. Machine & Foundry Co. ("Economy"), 56 Rano, Buffalo, N. Y.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*

RYERSON HIGH SPEED FRICTION SAWS

Ryerson High Speed Friction Saws are designed for rapid cutting of steel shapes of all descriptions. These saws will cut different shapes in rapid succession without interchanging attachments or clamping the material. A 24" I-beam can be cut in 50 seconds. We manufacture this saw in various sizes with capacity to cut from the smallest to the largest sections rolled.

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Southern Saw Works, East Point, Ga.
Thurston Mfg. Co. ("Thurco." Formed for Cutting Copper, Similar Metals), 140 Benedict, Providence, R. I.
Wallace J. D. & Co., 134 S California av, Chicago, Ill.

12963a—Saws (Circular Milling)

Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Disston Henry & Sons, Tacony, Phila., Pa.
Hunter Saw & Machine Co., Dept. H, 57th & Butler, Pittsburgh, Pa.
HUTHER BROS. SAW MFG. CO. ("Semi" Brand), Rochester, N. Y.
See adv index at end of book

12964—Saws (Circular, Slate)

Aero Wks. Inc., 136 Liberty, New York
Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Decker E. F. Saw Works, Albany, N. Y.
Disston Henry & Sons, Tacony, Phila., Pa.
FLORY S. MFG. CO., Bangor, Pa.
See adv index at end of book
Hunter Saw & Machine Co., 57th & Butler, Pittsburgh, Pa.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Southern Saw Works, East Point, Ga.

12965—Saws (Circular, Stone)

Aero Wks. Inc., 136 Liberty, New York
Cocker Saw Mfg. Co., Lockport, N. Y.
Decker E. F. Saw Works, Albany, N. Y.
Disston Henry & Sons, Tacony, Phila., Pa.
Lincoln Iron Works (For Soft Stone, etc), Rutland, Vt.
Meyers W. F. Co., Bedford, Ind.
Ohlen Bishop Co., 931 Factory, Columbus, O.

Saws (Cold)

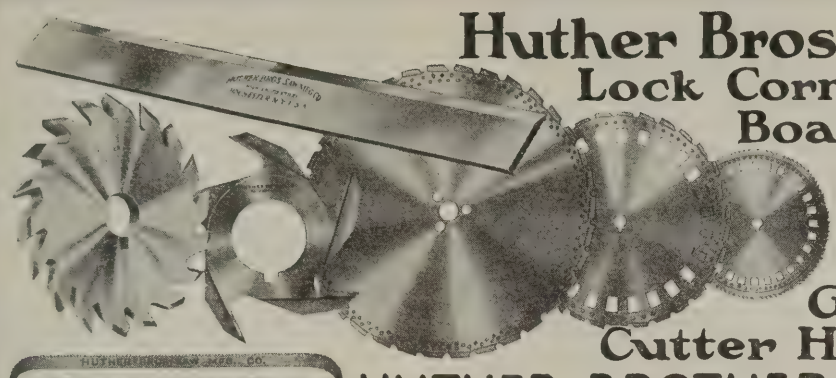
See Cold Saw Cutting-Off Machines

12966— Saws (Compass)

Atkins E. C. & Co., Indianapolis, Ind.
Crescent Co. Inc. ("Crescent"), Meriden, Conn.
Decker E. F. Saw Works, Albany, N. Y.
Disston Hy. & Sons, Tacony, Phila., Pa.
Jennings C. E. & Co. ("C. E. J. & Co.'s"), 71 Murray, New York
Ohlen Bishop Co., 931 Factory, Columbus, O.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Winchester Repeating Arms Co. "Winchester"), New Haven, Conn.

12967— Saws (Concave)

Atkins E. C. & Co., 402 S. Illinois, Indianapolis, Ind.
Cocker Saw Mfg. Co., Lockport, N. Y
Decker E. F. Saw Works, Albany, N. Y.
Disston Henry & Sons (Circular, etc.), Tacony, Phila., Pa.
Emerson, Smith & Co., Beaver Falls, Pa.
Gerlach Peter Co. (Circular), 1708 Columbus, Cleveland, O.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Lippert E. T. Saw Co., Millvale, Pa.
Menominee Saw Co., Menominee, Mich.
Michigan Saw Co., Saginaw, Mich.
Ohlen Bishop Co., 931 Factory, Columbus, O.
Oldham New York Saw Works ("Oldham"), 112 26th, Brooklyn, N. Y.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Southern Saw Works, East Point Ga.



12968— Saws (Coping)

Aero Wks. Inc., 136 Liberty, New York
Atkins E. C. Co., 402 S. Illinois, Indianapolis, Ind.
Bridgeport Hardware Mfg. Corp. ("Matchless," "Lead All"), Bridgeport, Conn.
Bullock Mfg. Assn., Springfield, Mass.
Crescent Co. Inc. ("Crescent"), Meriden, Conn.
Disston Henry & Sons, Tacony, Phila., Pa.
Griffin G. W. Co., Franklin, N. H.
Jennings C. E. & Co., 71 Murray, New York
Metal Saw & Machine Co. Inc. ("Napier"), 40H Napier, Springfield, Mass.
Millers Falls Co. ("Millers Falls"), Dept. H, Millers Falls, Mass.
Napier Saw Works Inc. (Loop & Pin), Middletown, N. Y.
SMITH & HEMENWAY CO., INC. ("Red Devil"), 261 H. B'way, New York, & 130 H. Coit, Irvington, N. J.
See adv index at end of book

12969— Saws (Cross-Cut)

Aero Wks. Inc., 136 Liberty, New York
Atkins E. C. Co., 402 S. Illinois, Indianapolis, Ind.
Branch Saw Co. (Hand), 2323 N 9th, St. Louis, Mo.
Cocker Saw Mfg. Co., Lockport, N. Y.
Curtis & Co. Mfg. Co., 1571 Kienlen av, St. Louis, Mo.
Decker E. F. Saw Works, Albany, N. Y.
Disston Henry & Sons, Tacony, Phila., Pa.
Emerson, Smith & Co., Beaver Falls, Pa.
Jones Superior Mach. Co., 1264 N North av, Chicago, Ill.
Menominee Saw Co., Menominee, Mich.
Ohlen Bishop Co., 931 Factory, Columbus, O.
Prouty C. & Co., Eldred, Pa.
Root B. M. Co., York, Pa.
Simonds Saw & Steel Co. ("Crescent," "Radical Crescent"), 470 Main, Fitchburg, Mass.
Southern Saw Works, East Point, Ga.

12970— Saws (Cylinder)

Atkins E. C. Co., 402 S. Illinois, Indianapolis, Ind.
Decker E. F. Saw Works, Albany, N. Y.
Disston Henry & Sons, Tacony, Phila., Pa.
Gerlach Peter Co., 1708 Columbus, Cleveland, O.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Ohlen Bishop Co., 931 Factory, Columbus, O.

12971— Saws (Dehorning)

Atkins E. C. Co., 402 S. Illinois, Indianapolis, Ind.
Disston Henry & Sons, Tacony, Phila., Pa.
Goodell-Pratt Co., Greenfield, Mass.
Jennings C. E. & Co., 71 Murray, New York
Ohlen Bishop Co., 931 Factory, Columbus, O.

12972— Saws (Diamond)

Anderson Geo. & Co. (Ltd.) (Circular), Newark, N. J.
Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Meyers W. F. Diamond Saw Co., Bedford, Ind.
Meyers Willard F. Co. (Reciprocating & Circular), Bedford, Ind.
Whittle Chas. L. (For Rocks, Minerals, Fossils, Glass, Porcelain, etc), 50 Congress, Boston, Mass.

Saws (Drag)

See Drag Saw Machines

12973— Saws (Drop)

United Engineering & Foundry Co. (Motor Driven), Farmers Bank bldg, Pittsburgh, Pa.

12974—Saws (Electric Driven)

Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Diamond Saw & Stamping Works (Sterling Hack Saw Machine), 357 7th, Buffalo, N. Y.
See adv index at end of book
Johnson Safety Saw Works ("Speed Saw Table"), 20 Stillman, San Francisco, Cal.
See adv index at end of book
Neil & Smith Electric Tool Co. ("Ideal"), 8th & B'way, Cincinnati, O.
State Mfg. & Engineering Co., 2826 W Lake, Chicago, Ill.

12975—Saws (Endless Chain)

Barnes W. O. Co., Inc., 1216 Beaubien, Detroit, Mich.
Yates P. B. Machine Co., Beloit, Wis.

12975a—*Saws (Flexible Back Band)

See also Saw Blades, Hack, Flexible Back
Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
HUTHER BROS. SAW MFG. CO., Rochester, N. Y. *See adv index at end of book*

12976— Saws (Gang)

Aero Wks. Inc., 136 Liberty, New York
Atkins E. C. Co., 402 S. Illinois, Indianapolis, Ind.
Branch Saw Co., 2323 N 9th, St. Louis, Mo.
Cocker Saw Mfg. Co., Lockport, N. Y.
Curtis & Co. Mfg. Co., 1502 Kienlen av, St. Louis, Mo.
Decker E. F. Saw Works, Albany, N. Y.
Disston Hy & Sons, Tacony, Phila., Pa.
Emerson, Smith & Co. (Ltd.), Beaver Falls, Pa.
Flynn & Emrich Co. (Stone), 305 N Holliday, Baltimore, Md.
Hoe R. & Co., 504 Grand, New York
Ohlen Bishop Co., 931 Factory, Columbus, O.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Yates P. B. Machine Co., Beloit, Wis.

Saws (Gang, Stone & Slate)

See Stone Gang Sawing Machines

12977— Saws (Grooving)

Aero Wks. Inc., 136 Liberty, New York
Atkins E. C. & Co., 402 Illinois, Indianapolis, Ind.
Branch Saw Co., 2323 N 9th, St. Louis, Mo.
Cocker Saw Mfg. Co., Lockport, N. Y.
Curtis & Co. Mfg. Co., 1502 Kienlen av, St. Louis, Mo.
Decker E. F. Saw Works, Albany, N. Y.
Disston, Hy. & Sons ("Keystone," Groover or Dado-Head, etc), Tacony, Phila., Pa.
Eagle Saw Works, Ft. & Main, Chattanooga, Tenn.
Hoe R. & Co., 504 Grand, New York
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Michigan Saw Co., Saginaw, Mich.
Ohlen Bishop Co., 931 Factory, Columbus, O.
Oldham New York Saw Works ("Oldham"), 112 26th, Brooklyn, N. Y.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Southern Saw Works, East Point, Ga.

Saws (Hack)

See Saw Blades & Frames, Hack; also Hack Saw Machines

12978— Saws (Hack Bench)

Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Diamond Saw & Stamping Works, 357 7th, Buffalo, N. Y.
See adv index at end of book
Goodell-Pratt Co., Greenfield, Mass.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*

12978a—*Saws (Hack, Rotary)

Misener & Irving Mfg. Co., 312 E Genesee, Syracuse, N. Y.

12979— Saws (Hand)

Aero Wks. Inc., 136 Liberty, New York
Atkins E. C. & Co., 402 S. Illinois, Indianapolis, Ind.
Clemson Bros., Middletown, N. Y.
Crescent Co. Inc. ("Crescent"), Meriden, Conn.
Decker E. F. Saw Works, Albany, N. Y.
Disston Henry & Sons, Tacony, Phila., Pa.
Jennings C. E. & Co. ("C. E. J. & Co.'s"), 71 Murray, New York
Michel Electric Hand Saw Co. (Electric Driven), 166 E Grand av, Chicago
Ohlen Bishop Co., 931 Factory, Columbus, O.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
What Cheer Tool Co. ("What Cheer" Miners), What Cheer, Ia.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

12980-1—Saws (Hand Hack)

Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Barnes W. O. Co., Inc., 1216 Beaubien, Detroit, Mich.
Diamond Saw & Stamping Works, 357 7th, Buffalo, N. Y.
See adv index at end of book
Disston Hy. & Sons, Tacony, Phila., Pa.
Huther Bros. Saw Mfg. Co., Rochester N. Y. *See adv index at end of book*
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.

Saws (Heading)

See Saws, Shingle & Heading

Saws (Hot, Cut-off)

See Machines, Hot Sawing

12982— Saws (Ice)

Aero Wks. Inc., 136 Liberty, New York
Atkins E. C. & Co., 402 S. Illinois, Indianapolis, Ind.
Branch Saw Co. (Hand), 2323 N 9th, St. Louis, Mo.
Clemson Bros., Middletown, N. Y.
Cocker Saw Mfg. Co., Lockport, N. Y.
Curtis & Co. Mfg. Co., 1502 Kienlen av, St. Louis, Mo.
Decker E. F. Saw Works ("Decker"), Albany, N. Y.
Disston Hy. & Sons, Tacony, Phila., Pa.
Gerlach Peter Co., 1708 Columbus, Cleveland, O.
Gifford-Wood Co. (Field, Electric & Gasoline), Hudson, N. Y.
Hoe R. & Co., 504 Grand, New York
Ohlen Bishop Co., 931 Factory, Columbus, O.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.

12983—Saws (Inserted Teeth)

Aero Works, Inc., 136 Liberty, New York
Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Branch Saw Co., 2323 N 9th, St. Louis, Mo.
Buckeye Saw Mfg. Co., Columbus, O.
Chattanooga Saw Works, 1512 Williams, Chattanooga, Tenn.
Cocker Saw Mfg. Co., Lockport, N. Y.
Curtis & Co. Mfg. C., 1571 Kienlen av, St. Louis, Mo.
Decker E. F. Saw Works ("Decker"), Albany, N. Y.
Disston Henry & Sons (Circular, etc), Tacony, Phila., Pa.
Foucart J. E., 415H W. 3rd, Williamsport, Pa.
Hoe R. & Co., 504 Grand, New York
Hunter Saw & Machine Co., 57th & Butler, Pittsburgh, Pa.
Huther Bros. Saw Mfg. Co. (For Cutting Metal; Patent Inserted Tooth Milling Saws), Rochester, N. Y.
See adv index at end of book
Lippert E. T. Saw Co. (Millvale), Pittsburgh, Pa.
Ohlen Bishop Co., 931 Factory, Columbus, O.
Oldham New York Saw Works ("Oldham"), 112 26th, Brooklyn, N. Y.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Southern Saw Works ("Southern"), East Point, Ga.
Tabor Mfg. Co. ("Taylor-Newboid"), 18th & Hamilton, Phila., Pa.
Tindel-Morris Co. ("Tindel" Patent for Metal), Eddystone, Pa., & Ellwood City, Pa.

12984— Saws (Jewelers')

Aero Works, Inc., 136 Liberty, New York
Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Bullock Mfg. Assn., Springfield, Mass.
Disston Henry & Sons, Tacony, Phila., Pa.
Griffin G. W. Co., Franklin, N. H.
Metal Saw & Machine Co. Inc. ("Napier"), 40H Napier, Springfield, Mass.
Millers Falls Co. ("Millers Falls"), Dept. H, Millers Falls, Mass.
Napier Saw Works Inc. ("Napier"), Middletown, N. Y.
Thurston Mfg. Co. ("Thurco"), 140 Benedict, Providence, R. I.
Universal Steel Products Co. ("Unisteel"), 574 Bryant, San Francisco, Cal.
Worthington & Raymond (Imp.), ("Optimus," "W. & R."), 71 Murray, New York

12985— Saws (Jig)

See also Saws, Scroll

Aero Works, Inc., 136 Liberty, New York
Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Decker E. F. Saw Works, Albany, N. Y.
Disston Henry & Sons, Tacony, Phila., Pa.
Edge Frank & Co., Grand Rapids, Mich.
Hastings & Co., 49 Commercial, Newark, N. J.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Jones Superior Mach. Co., 1264 W North av, Chicago, Ill.
Meyers Williard F. Diamond Saw Co., Bedford, Ind.
Ohlen Bishop Co., 931 Factory, Columbus, O.
Royle John & Sons (For Mortising, etc), Straight & Essex, Paterson, N. J.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Smith H. B. Machine Co., Smithville, N. J.

12986— Saws (Keyhole)

Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
Crescent Co. Inc. ("Crescent"), Meriden, Conn.
Decker E. F. Saw Works, Albany, N. Y.
Disston Henry & Sons, Tacony, Phila., Pa.
Goodell-Pratt Co., Greenfield, Mass.
Jennings C. E. & Co. ("C. E. J. & Co.'s"), 71 Murray, New York
Kensington Hdwe. & Tool Mfg. Co., 410 Mechanic, Germantown, Phila., Pa.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

12987— Saws (Kitchen)

Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Cassady Fairbank Mfg. Co. ("Morris," Armour"), 6126 S La Salle, Chicago, Ill.
Christy Knife Co., Fremont, O.
Crescent Co. Inc. ("Crescent"), Meriden, Conn.
Decker E. F. Saw Works, Albany, N. Y.
Disston Henry & Sons, Tacony, Phila., Pa.
Goodell-Pratt Co., Greenfield, Mass.
Jennings C. E. & Co., 71 Murray, New York
Millers Falls Co., Dept H, Millers Falls, Mass.
Simonds Mfg. Co., 470 Main, Fitchburg, Mass. *See adv index at end of book*
White Ira F. & Son Co., Bloomfield, N. J.

12988—Saws (Metal Slitting)

Aero Works, Inc., 136 Liberty, New York
Am. Twist Drill & Tool Co., W Jefferson av & 21st, Detroit, Mich.
Ampco Twist Drill & Tool Co., 13th & Howard, Detroit, Mich.
Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Barber-Colman Co., Rockford, Ill.
Black Diamond Saw & Machine Works ("Black Diamond"), Natick, Mass.
Brady F. A. Inc., 30 Church, New York
Brown & Sharpe Mfg. Co., Providence, R. I.
Cleveland Cutter & Reamer Co., The, 7410 Madison, Cleveland, O.
Cowles Tool Co., 2086 W 110th, Cleveland, Ohio
Decker E. F. Saw Works, Albany, N. Y.
Disston Henry & Sons, Tacony, Phila., Pa.
Hoe R. & Co., 504 Grand, New York
HUTHER BROS. SAW MFG. CO. ("Sem-Hi" Brand), Rochester, N. Y.
See adv index at end of book
Lippert E. T. Saw Co. (Millvale), Pittsburgh, Pa.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
NATIONAL TOOL CO., Cleveland, O.
See adv index at end of book
Ohlen Bishop Co., 931 Factory, Columbus, O.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Reed-Prentice Co., 677 Cambridge, Worcester, Mass.
Shields Cutter Co., 18511 Euclid av, Cleveland, Ohio
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Southern Saw Works ("Southern"), East Point, Ga.
Thurston Mfg. Co. ("Thurco" Jeweler's), 140 Benedict, Providence, R. I.
Union Twist Drill Co., Athol, Mass.

12989— Saws (Mitre Box)

Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Disston Henry & Sons, Tacony, Phila., Pa.
Eagle Saw Works, Ft. & Main, Chattanooga, Tenn.
Jennings C. E. & Co. ("C. E. J. & Co.'s"), 71 Murray, New York
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Tannewitz Works, 333 Front N W, Grand Rapids, Mich.

12990—Saws (Overhead Cut-Off)

Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Conner J W. & Son ("Favorite" Farmer's), Orangeville, Pa.
Irvington Machine Works, 375 E 6th N, Portland, Ore.

12991— Saws (Piercing)

Dixon Wm.,119 Fulton, New York.
Millers Falls Co. ("Millers Falls"), Dept. H, Millers Falls, Mass.

12992— Saws (Plumbers')

Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Buffum Tool Co. ("Swastika," Hand & Compass), South Side, Louisiana, Mo.
Decker E. F. Saw Works, Albany, N. Y.
Diamond Saw & Stamping Works, 357 7th, Buffalo, N. Y.
See adv index at end of book
Disston Henry & Sons, Tacony, Phila., Pa.
Ohlen Bishop Co., 931 Factory, Columbus, O.

12993— Saws (Pruning)

Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Bartlett Mfg. Co., 428 E Lafayette av, Detroit, Mich.
Disston Henry & Sons ("Little Giant" Pruning Hook & Saw, etc), Tacony, Phila., Pa.
Crescent Co. Inc. ("Crescent"), Meriden, Conn.
Jennings C. E. & Co. ("C. E. J. & Co.'s"), 71 Murray, New York
Ohlen-Bishop Co., 931 Factory, Columbus, Ohio
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.

12994— Saws (Rail & Shop)

See also Rail Sawing Machines

Crerar, Adams & Co. (Portable "Eureka"), 259 E Erie, Chicago, Ill.
Decker E. F. Saw Works, Albany, N. Y.
Diamond Saw & Stamping Works ("Sterling"), 357 7th, Buffalo, N. Y.
See adv index at end of book
Disston Hy. & Sons ("Disston" Rail Hack Saws), Tacony, Phila., Pa.
Hunter Saw & Machine Co., 57th & Butler, Pittsburgh, Pa.
Lippert E. T. Saw Co. (Millvale), Pittsburgh, Pa.
Manning Maxwell & Moore Inc. (Portable Rail), 100 E 42nd, New York
See adv index at end of book
Ohlen Bishop Co., 931 Factory, Columbus, O.
Q. & C. Co. ("Q. & C." Portable Rail Saws), 90 West, New York
Track Specialties Co., Inc. (Dlrs.), 2-4-6 Morris, New York

12995—Saws (Screw Slotting)

Aero Works, Inc., 136 Liberty, New York
Decker E. F. Saw Works, Albany, N. Y.
Disston Henry & Sons, Tacony, Phila., Pa.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Ohlen Bishop Co., 931 Factory, Columbus, O.
Simonds Saw & Steel Co. (Concave), 470 Main, Fitchburg, Mass.
Starrett L. S. Co., The, Athol, Mass.
Thurston Mfg. Co. ("Thurco"), 140 Benedict, Providence, R. I.

12996— Saws (Scroll)

See also Scroll Sawing Machines; also Saws, Jigs

Aero Works, Inc., 136 Liberty, New York
Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Disston Henry & Sons ("Fays"), Tacony, Phila., Pa.
Edge Frank & Co., Grand Rapids, Mich.
Emerson, Smith & Co., Beaver Falls, Pa.
Griffin G. W. Co., Franklin, N. H.
Millers Falls Co., Dept. H, Millers Falls, Mass.
Ohlen Bishop Co., 931 Factory, Columbus, O.
Oliver Machinery Co., Grand Rapids, Mich.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Trump Bros. Machine Co., Beech & Anchorage, Wilmington, Del.

12997— Saws (Segment)

Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Branch Saw Co., 2323 N 9th, St. Louis, Mo.
Cocker Saw Mfg. Co., Lockport, N. Y.
Curtis & Co. Mfg. Co., 1502 Kienlen av, St. Louis, Mo.
Decker E. F. Saw Works, Albany, N. Y.
Disston Henry & Sons (And Veneering) Tacony, Phila., Pa.
Hoe R. & Co., 504 Grand, New York
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Ohlen Bishop Co., 931 Factory, Columbus O.

12998—Saws (Shingle & Heading)

Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Chattanooga Saw Works, 1512 Williams, Chattanooga, Tenn.
Cocker Saw Mfg. Co., Lockport, N. Y.
Curtis & Co. Mfg. Co., 1502 Kienlen av, St. Louis, Mo.
Decker E. F. Saw Works, Albany, N. Y.
Disston Henry & Sons, Tacony, Phila., Pa.
Gerlach Peter Co., 1708 Columbus, Cleveland, Ohio
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Southern Saw Works ("Southern"), East Point, Ga.
York Saw Works, York, Pa.

12999—Saws (Stone Cutting)

Aero Works, Inc., 136 Liberty, New York
Anderson Geo. & Co., 420 Ogden, Newark, N. J.
Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Disston Henry & Sons, Tacony, Phila., Pa.
Meyers W. F. Co., Bedford, Ind.

12999a—Saws (Structural Steel Shapes)

Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Diamond Saw & Stamping Works, 357 7th, Buffalo, N. Y.
See adv index at end of book
Hunter Saw Machine Co., Dept. H, 57th & Butler, Pittsburgh, Pa.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*

13000-1-2— Saws (Swing)

Allis-Chalmers Mfg. Co. (Saw Mill), Milwaukee, Wis. *See adv index at end of book*
American Saw Mill Machinery Co., Hackettstown, N. J.
American Woodworking Machinery Co., Rochester, N. Y.
Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Bayside Iron Works, Everett, Wash.
Berry Machinery & Supply Co., 289 W Santa Clara, San Jose, Cal.
Chase Turbine Mfg. Co. (Cut-Off), Orange, Mass.
Connell & Dengler Mach. Co., Rochester, N. Y.
Cordesman-Rechtin Co., 215 Butler, Cincinnati, O.
Crescent Machine Co., 512 Oak, Leetonia, O. *See adv index at end of book*
Curtis & Co. Mfg. Co., 1571 Kienlen av, St. Louis, Mo.

Diamond Iron Works, 2d & 18th av N, Minneapolis, Minn.
Dodds Alexander Co., Grand Rapids, Mich.
Farquhar A. B. Co. (Ltd.) (Cut-Off), York, Pa.
Filer & Stowell Co., Milwaukee, Wis.
Gee Chas. E. (Improved Cut-Off), Lowell, Mass.
Grace C. M. & Co., Huntsville, Ala.
Hall & Brown Woodworking Machine Co., 1911 N Broadway, St. Louis, Mo.
Holmes E. & B. Machinery Co., 59 Chicago, Buffalo, N. Y.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Irvington Machine Works (Cut Off), 375 E 6th N, Portland, Ore.
Indianapolis Excelsior Machinery Co. (For Excelsior), Indianapolis, Ind.
Johnson Safety Works ("Speed Saw Table," Horizontal Swing), 20 Stillman, San Francisco, Cal.
See adv index at end of book
Jones Superior Machine Co. ("Superior" Cast Frame), 1264 W North av, Chicago, Ill.
Kane & Roach, Syracuse, N. Y.
Knight Mfg. Co., Canton, O.
Lane Mfg. Co., Montpelier, Vt.
Luther B. G. Co., 91 Foster, Worcester, Mass.
Moffit Iron Works Co. (Cut-Off), Sanford, N. C.
Murray D. J. Mfg. Co., Wausau, Wis.
National Woodworking Machine Co., Dover, N. H.
Newman Machine Co., Greenboro, N. C.
Ober Mfg. Co. (Cut-Off), Chagrin Falls, O.
Oliver Machinery Co., Grand Rapids, Mich.
Porter C. C. Machine Co., 666 Front av, N. W., Grand Rapids, Mich.
Power L. & Co., 2815 Crawford, Phila., Pa.
Root B. M. Co., York, Pa.
Sidney Machine Tool Co., Sidney, O.
Silver Mfg. Co. ("Silver"), Box 256, Salem, Ohio
Smith H. B. Machine Co. (Swing Cut-Off), Smithville, N. J.
Southern Engine & Boiler Mfg. Co., Jackson, Tenn.
Southern Saw Works ("Southern"), East Point, Ga.
Standard Saw Mill & Machinery Co., Erie, Pa.
Strait H. N. Mfg. Co. (For Cooperage, etc.) Kansas City, Kan.
Union Iron Works, Bangor, Me.
U. S. Mach. Co. (Iron Frame), Williamsport, Pa.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Victory Mach. & Lbr. Co., Inc., Buffalo, N. Y.
Wheland Co., W Side & 27th, Chattanooga, Tenn.
Yates P. B. Machine Co., Beloit, Wis.

13003— Saws (Veneer)

Aero Works, Inc., 136 Liberty, New York
Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Decker E. F. Saw Works, Albany, N. Y.
Disston Henry & Sons, Tacony, Phila., Pa.
Eagle Saw Works, Ft. & Main, Chattanooga, Tenn.
Hoe R. & Co., 504 Grand, New York
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*

13004— Saws (Web)

Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Decker E. F. Saw Works, Albany, N. Y.
Disston Hy. & Sons, Tacony, Phila., Pa.

13005— Saws (Whip)

Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Decker E. F. Saw Works, Albany, N. Y.
Disston Hy. & Sons, Tacony, Phila., Pa.

Saws (Wood)

See Wood Sawing Machines
Also Saws, Buck

13005a— Scabbards

Brauer Bros. Mfg. Co. (Knife & Rifle), 204 N 14th, St. Louis, Mo.

13006—Scabbards (Knife & Rifle)

Brauer Bros. Mfg. Co., 204 N 14th, St. Louis, Mo.

13006a— Scabbards (Sword)

Schilling Charles, 938 Diamond, Philadelphia, Pa.

13007— Scaffold Builders

Brown J. K. & Co., 181 3d av, Brooklyn, N. Y.
Chesebro Whitman Co., 1167 1st av, New York
Corbett & Co., 429 E 109th, New York
Empire Ladder & Pole Co., 154 1st, Newark, N. J.
Faragher John, Madison, Wis.
Fuller H. B. Co. ("Fuller's" All Steel Adjustable), 188 W 3d, St. Paul, Minn.
Little Wonder Scaffolding Co., 816 W Erie, Chicago, Ill.
See adv index at end of book
Portland Extension Ladder Co. ("Excelsior" Folding Extension Trestle or Scaffold Horse), 130 Orange, Newark, N. J.
Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book
Reilley Bros. Ladder Co., 324 W 41st, New York
Rockaway Ladder Co., Newark, N. J.
Schad Chas., 11 Jefferson, Brooklyn, N. Y.
Steel Scaffolding Co. (Steel), Evansville, Ind.

Scagliola Work

See Marble, Artificial

13008— Scalders (Hog)

Heller-Aller Co., Napoleon, O.
Sperry D. R. & Co. (For Farm use), Batavia, Ill.

13009—Scalders (Tomato, for Canneries)

Anderson-Barngrover Mfg. Co., 333 W Julian, San Jose, Cal.
Huntley Mfg. Co ("Monitor"), Silver Creek, N. Y.

13010-11— Scalers (Fish)

Anderson-Barngrover Mfg. Co., 333 W Julian av, San Jose, Cal.
Chatillon Jno. & Sons, 85 Cliff, New York
Covert Saddlery Works, Interlaken, N. Y.
General Phonograph Corp., 25 W 45th, New York
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Grey Iron Casting Co., Mt. Joy, Pa.
Landers, Frary & Clark, New Britain, Conn.
National Brass Mfg. Co., Rochester, N. Y.
Premier Machinery Co., 310 Sansome, San Francisco, Cal.
See adv index at end of book
Reading Saddle & Mfg. Co., Reading, Pa.
Royal Mfg. Co., 406 Commerce, Phila., Pa.
Williams A. C. Co., Ravenna, O.
Wrightsville Hardware Co. (Japanned), Wrightsville, Pa.

13012— Scales (Automatic)

Am-Kron Scale Co., 430 E 53d, New York
Am. Machinery Co. ("Universal" & "American Bond" Electric), 330 N 12th, Phila., Pa.
Automatic Weighing Machine Co. (Weighing & Packing), 138 Commerce, Newark, N. J.
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Brady Jas. A. Foundry Co., 45th & Western blvd, Chicago, Ill.
Boston Scale & Machine Co., 100H Ruggles, Boston, Mass.
Computing Scale Co., Dayton, Ohio
Detroit Automatic Scale Co., 30 Antritan, Detroit, Mich.
Du Vivier Ernest H. (Imp.), 30 Church, New York
Edtbauer E. & Co., 224 N Desplaines, Chicago, Ill.
Fairbanks Co. (For Coal, Grain, etc), 416 Broome, New York
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Gump, B. F. Co., 431 S Clinton, Chicago, Ill.
Hoepner Automatic Scale Co., 1401 W Jackson blvd, Chicago, Ill.
International Scale Co., Dayton, Ohio
Merrick Scale Mfg. Co., Passaic, N. J.

The Weightometer automatically weighs materials on conveyors.
MERRICK
SCALE MFG. CO.
Summer Street, Passaic, N. J.

Morris Automatic Scale Co., Crafton Station, Pittsburgh, Pa.
Pelouze Mfg. Co., 232 E Ohio, Chicago, Ill.
Pneumatic Scale Corp. (Ltd.), Norfolk Downs, Mass.
Richardson Scale Co. (For all Crushed, Granular & Powdered Materials), Passaic, N. J.
Streeter-Amet Weighing & Recording Co., 4101 Ravenswood av, Chicago, Ill.
Toledo Scale Co., Toledo, O.

13013—Scales (Bath Room)

Fairbanks Co., 416 Broome, New York
Standard Scale & Supply Co., 1631 Liberty av., Pittsburgh, Pa.

13014— Scales (Beam)

Buffalo Scale Co., Inc., 1205 Niagara, Buffalo, N. Y.
See adv index at end of book
Fairbanks Co. (For Cotton, Weighmasters & Yarn), 416 Broome, New York
Fairbanks E. & T. & Co., St. Johnsbury, Vt.
Fairbanks Morse & Co., 900 So. Wabash av., Chicago, Ill.
See adv index at end of book
Forschner R. H. Co., 230 3d av, New York
Gaston's N. B. Sons Co., Beloit, Wis.
Howe Scale Co. of N. Y., 123 Lafayette, New York
Mason Davis & Co. ("Chicago," "Gibralter"), 7740 S Chicago av, Chicago, Ill.
Peck, Stow & Wilcox Co., Southington, Conn.
Sargent & Co., Water & Walce, New Haven, Conn.
Smith Scale Co. ("Exact Weight"), 267 W Spring, Columbus, Ohio
Standard Scale & Supply Co. ("The Standard" Recording Beam), 1631 Liberty av, Pittsburgh, Pa.
Strait Scale Co., Kansas City, Kans.

Scales (Boiler Room)

See Scales, Suspended for Boiler Rooms

13015— Scales (Bullion)

Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
BUFFALO SCALE CO., INC. ("Buffalo"), 1205 Niagara, Buffalo, N. Y.
See adv index at end of book
Kohlbusch Herman Sr. Inc., 149H New York av, Jersey City, N. J.

13016—Scales (Butchers' Suspension)

Buffalo Scale Co. (Inc.), 1205 Niagara, Buffalo, N. Y.
See adv index at end of book
Chatillon John & Sons, 85H Cliff, New York
Standard Scale & Supply, 1631 Liberty av., Pittsburgh, Pa.

13017— Scales (Charging)

Buffalo Scale Co., Inc., 1205 Niagara, Buffalo, N. Y.
See adv index at end of book
Fairbanks Co., 416 Broome, New York
Richardson Scale Co. (Automatic)), Passaic, N. J.
Standard Scale & Supply Co. ("The Standard"), 1631 Liberty av, Pittsburgh, Pa.

Scales (Coal)

See Scales, Platform & Wagon

13018—Scales (Coal, Automatic)

Brady Jas. A. Foundry Co., 45th & Western blvd, Chicago, Ill.
Fairbanks Co., 416 Broome, New York
Richardson Scale Co., Passaic, N. J.

13019—Scales (Coal Traveling)

Buffalo Scale Co., Inc., 1205 Niagara, Buffalo, N. Y.
See adv index at end of book
Richardson Scale Co. (Automatic Checking Feed to Boilers), Passaic, N. J.
Standard Scale & Supply Co., 1631 Liberty av, Pittsburgh, Pa.

13020— Scales (Computing)

Anderson Computing Scale Co., Anderson, Ind.
Angildile Computing Scale Co., Elkhart, Ind.
Computing Scale Co. ("Dayton"), Dayton, O.
Computing Tabulating Recording Co., 50 Broad, New York
Detroit Automatic Scale Co., 30 Antritan, Detroit, Mich.
Fairbanks E. & T. & Co., St. Johnsbury, Vt.
Standard Computing Scale Co., 30 Library, Detroit, Mich.
Strubler Computing Scale Co., Elkhart, Ind.
Toledo Scale Co., Toledo, O.
Triner Scale & Mfg. Co., 2714 W 21st, Chicago, Ill.
Virginia Forgings & Mfg. Co., Richmond, Va.

13021—Scales, Conveyor (Automatic Weighing)

Am-Kron Scale Co., 430 E 53d, New York
Buffalo Scale Co., Inc., 1205 Niagara, Buffalo, N. Y.
See adv index at end of book
MERRICK SCALE MFG. CO. ("Weightometer"), Passaic, N. J.

13022— Scales (Cotton)

Buffalo Scale Co. (Inc.), (Southern Cotton, Wool & Cotton, Dormant Cotton, etc), 1205 Niagara, Buffalo, N. Y.
See adv index at end of book
Standard Scale & Supply Co., 1631 Liberty av, Pittsburgh, Pa.

13023— Scales (Counter)

See Also Scales, Computing

Amer Cutlery Co., 764 Mather, Chicago, Ill.

(Continued on following page)

Scales (Counter)—Continued

BUFFALO SCALE CO., INC., 1205 Niagara, Buffalo, N. Y.
See adv index at end of book
Chatillon Jno. & Sons, 85 Cliff, New York
Dodge Scale Co., 21 E 14th, New York
Edtbauer E. & Co., 1121 W Washington blvd, Chicago, Ill.
Fairbanks Co., 416 Broome, New York
Fairbanks E. & T. & Co., St. Johnsbury, Vt.
Fairbanks Morse & Co. (Dial Indicator), 900 So. Wabash av., Chicago, Ill.
See adv index at end of book
Forschner R. H. Co., 230 3d av, New York
Hanson Bros., 525 N Ada, Chicago, Ill.
Howe Scale Co., Rutland, Vt.
Jacobs Bros. Co., 71 Warren, New York
Knowles Scale Works, Lowell, Mass.
Kohlbusch Herman Sr. Inc., 149H New York av, Jersey City, N. J.
Landers, Frary & Clark ("Columbia," "Landers," "Turnbull's" Spring), New Britain, Conn.
Mason Davis & Co. ("Chicago," "Gibralter"), 7740 S Chicago av, Chicago, Ill.
Pelouze Mfg. Co., 332 E Ohio, Chicago, Ill.
Smith Scale Co., 267 W Spring, Columbus, Ohio
Spencer's I. S. Sons Inc., Guilford, Conn.
Standard Scale & Supply Co., 1631 Liberty av, Pittsburgh, Pa.
Toledo Scale Co., Toledo, O.
Triner Scale & Mfg. Co., 2714 W 21st, Chicago, Ill.
Troemner Henry, 911 Arch, Phila., Pa.

Scales (Crane or Suspended)

See Scales, Suspended, for Boiler Rooms

13023a— Scales (Creamery)

See also Scales, Dairy

Buffalo Scale Co., Inc., 1205 Niagara, Buffalo, N. Y.
See adv index at end of book
Gaston's N. B. Sons Co. (Folding), Beloit, Wis.

13023b— *Scales (Cutlery)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

13024— Scales (Dairy)

Buffalo Scale Co. (Inc.) (Cheese Factory, Suspensions, Butter, etc), 1205 Niagara, Buffalo, N. Y.
See adv index at end of book
Fairbanks Co., 416 Broome, New York
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Gaston's N. B. Sons Co., 715 Race, Beloit, Wis.
Smith Scale Co. (The), 93 W Gay, Columbus, O.
Standard Scale & Suply Co. (Cheese, Milk & Cream), 1631 Liberty av., Pittsburgh, Pa.

13025— Scales (Dormant)

Am-Kron Scale Co., 430 E 53d, New York
American Scale Co. ("American"), 517 Delaware, Kansas City, Mo.
See adv index at end of book
Beckman Bros ("American"), Des Moines, Ia.
BUFFALO SCALE CO., INC., 1205 Niagara, Buffalo, N. Y.
See adv index at end of book
Computing Scale Co., Dayton, Ohio
Fairbanks Co., 416 Broome, New York
Fairbanks E. & T. & Co., St. Johnsbury, Vt.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Gaston's N. B. Sons Co., Beloit, Wis.
International Scale Co, Dayton, Ohio
Kansas City Hay Press Co. ("Lightning"), foot of 4th st Viaduct, Kansas City, Mo.
Nordeen Scale & Foundry Co., 2929 Grand, Everett, Wash.
Smith Scale Co. (The), 93 W Gay, Columbus, O.
Strait Scale Co., Kansas City, Kan.
Toledo Scale Co., Toledo, Ohio

13026— Scales (Druggists' & Chemists')

Buffalo Scale Co. (Inc.), 1205 Niagara, Buffalo, N. Y.
See adv index at end of book
Fairbanks Co., 416 Broome, New York
Kohlbusch Herman Sr. Inc., 149H New York av, Jersey City, N. J.
Smith Scale Co. (The), 93 W Gay, Columbus, O.
Torsion Balance Co. ("Torsion"), 92 Reade, New York
Welch W. M. Scientific Co., 1516 Orleans, Chicago, Ill.

13027— Scales (Dump)

American Scale Co., 517 Delaware, Kansas City, Mo.
Buffalo Scale Co. (Inc.), 1205 Niagara, Buffalo, N. Y.
See adv index at end of book
Fairbanks Co., 416 Broome, New York
Fairbanks E. & T. & Co., St. Johnsbury, Vt.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Gaston's N. B. Sons Co., Beloit, Wis.
Standard Scale & Supply Co. ("The Standard"), 1631 Liberty av, Pittsburgh, Pa.
Winslow Government Standard Scale Works (M. H. Winslow, Prop.), Terre Haute, Ind.

13028— Scales (Elevator)

Buffalo Scale Co., Inc., 1205 Niagara, Buffalo, N. Y.
See adv index at end of book
Richardson Scale Co. (Automatic), Passaic, N. J.

13029-30— Scales (Family)

American Cutlery Co. (Steel & White Tile Top), 764 Mather, Chicago, Ill.
Buffalo Scale Co., Inc., 1205 Niagara, Buffalo, N. Y.
See adv index at end of book
Fairbanks Co., 416 Broome, New York
Hanson Bros., 525 N Ada, Chicago, Ill.
Landers, Frary & Clark ("Columbia," "Landers"), New Britain, Conn.
Pelouze Mfg. Co. ("Pelouze"), 232 E Ohio, Chicago, Ill.
Standard Scale & Supply Co., 1631 Liberty av., Pittsburgh, Pa.
Triner Scale & Mfg. Co., 2714 W 21st, Chicago, Ill.

Scales (Fluid)

See Scales, Liquid & Oil Weighing

13031—Scales for Balancing Planer Knife

Fairbanks Co., 416 Broome, New York
Munson Co., Grand Rapids, Mich.

13032— Scales for Drawing

Alteneder Theo. & Sons, 1217 Spring Garden, Phila., Pa.
Brown & Sharpe Mfg. Co., Providence, R. I.
Elliott B. K. Co., 126 6th, Pittsburgh, Pa.
Keuffel & Esser Co., Hoboken, N. J.
Pease C. F. Co., 320 N Franklin, Chicago, Ill. *See adv index at end of book*
Starrett L. S. Co., Athol, Mass.
Weber F. Co., 1220 Buttonwood, Phila., Pa.

Scales (Foundry)

See Scales, Beam

13033—Scales (Glass Blowers')

Buffalo Scale Co., Inc., 1205 Niagara, Buffalo, N. Y.
See adv index at end of book
Howe Scale Co., Rutland, Vt.

13034—Scales (Grain Testing)

Brady Jas. A. Foundry Co., 45th & Western blvd, Chicago, Ill.
Buffalo Scale Co. (Inc.), 1205 Niagara, Buffalo, N. Y.
See adv index at end of book
Fairbanks Co., 416 Broome, New York
Fairbanks E. & T. & Co., St. Johnsbury, Vt.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Howe Scale Co., Rutland, Vt.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Pratt & Whitney Co., Hartford, Conn.
Smith Scale Co. (The), 93 W Gay, Columbus, O.
Torsion Balance Co. ("Torsion"), 92 Reade, New York

13035— Scales (Hopper)

Am-Kron Scale Co., 430 E 53d, New York
Bakers Sons J. & Perkins Co. Inc. (Automatic), Dept. H, White Plains, N. Y.
Beckman Bros., Des Moines, Ia.
BUFFALO SCALE CO., INC. (Suspension Coal), 1205 Niagara, Buffalo, N. Y.
See adv index at end of book
Edtbauer E. & Co., 1121 W Washington blvd, Chicago, Ill.
Fairbanks Co., 416 Broome, New York
Fairbanks E. & T. & Co., St. Johnsbury, Vt.
FAIRBANKS, MORSE & CO., 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Gaston's N. B. Sons Co. (Grain Hopper), Beloit, Wis.
Howe Scale Co., Rutland, Vt.
Pelouze Mfg. Co., 232 E Ohio, Chicago, Ill.
Queen City Scale Co., 1628 John, Cincinnati, O.
Richardson Scale Co. (Automatic Stationary & Portable), Passaic, N. J.
Standard Scale & Supply Co. ("The Standard"), 1631 Liberty av, Pittsburgh,
Strait Scale Co., Kansas City, Kan.
Winslow Government Standard Scale Works, Terre Haute, Ind.

13036— Scales (Jockey)

Buffalo Scale Co., Inc., 1205 Niagara, Buffalo, N. Y.
See adv index at end of book
Fairbanks Co., 416 Broome, New York
Fairbanks E. & T. & Co., St. Johnsbury, Vt.

13037—Scales (Liquid & Oil Weighing)

Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Buffalo Scale Co. (Inc.), 1205 Niagara, Buffalo, N. Y.
See adv index at end of book
Deming Apparatus Co., 30 Church, New York, New Orleans, La.
Fairbanks, Morse & Co., 900 So. Wabash av., Chicago, Ill.
See adv index at end of book
Richardson Scale Co. (Automatic Tank Scales), Passaic, N. J.
Standard Scale & Supply Co., 1631 Liberty av, Pittsburgh, Pa.

13038—Scales (Miners' & Transportation)

BUFFALO SCALE CO., INC., 1205 Niagara, Buffalo, N. Y.
See adv index at end of book
Fairbanks Co., 416 Broome, New York
Fairbanks E. & T. & Co., St. Johnsbury, Vt.
Standard Scale & Supply Co., 1631 Liberty av., Pittsburgh, Pa.

13039— Scales (Moisture)

Buffalo Scale Co. (Inc.), (For Smelting Plants, Glass Blowers, etc), 1205 Niagara, Buffalo, N. Y.
See adv index at end of book
Curtis-Hosey Dryer Co., Pyle bldg, 23rd & Chestnut, Phila., Pa.

13039a—*Scales (Motor Truck)

BUFFALO SCALE CO. INC., 1205 Niagara, Buffalo, N. Y.
See adv index at end of book
FAIRBANKS, MORSE & CO., 900 S Wabash av, Chicago, Ill.
See adv index at end of book

Scales (Oil)

See Scales, Platform or Wagon

Scales (Packing House)

See Scales, Beam

13039b— Scales (Paper)

Buffalo Scale Co., Inc., 1205 Niagara, Buffalo, N. Y.
See adv index at end of book
Thwing Instrument Co., 3339 Lancaster av, Phila., Pa.

13040—Scales (Parcels Post)

See also Scales, Counter, also Scales, Postal

Allsteel Scale Co. Inc. ("Triner" Automatic), 25 West Bway, New York
Amer. Cutlery Co., 764 Mather, Chicago, Ill.
Buffalo Scale Co., Inc., 1205 Niagara, Buffalo, N. Y.
See adv index at end of book
Chatillon Jno. & Sons, 85 Cliff, New York
Computing Scale Co., Dayton, O.
Pelouze Mfg. Co., 232 E Ohio, Chicago, Ill.
Standard Scale & Supply Co., 1631 Liberty av, Pittsburgh, Pa.
Toledo Scale Co., Monroe & Alivon, Toledo, Ohio
Triner Scale & Mfg. Co., 2714 W 21st, Chicago, Ill.

13040a— Scales (Picker Lap)

Am. Kron Scale Co., 422H E. 53rd, New York

13041— Scales (Pitless)

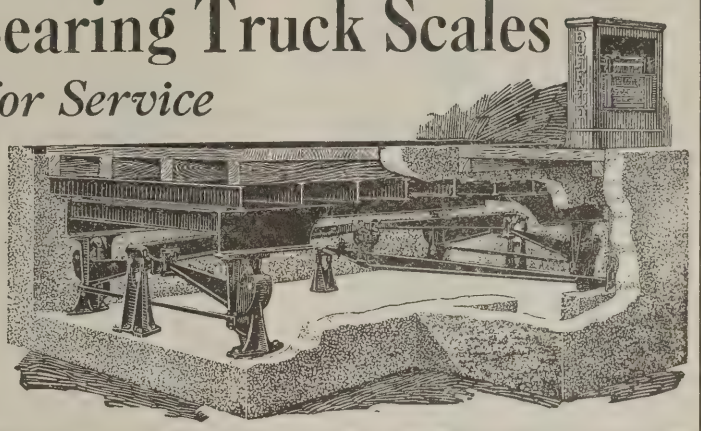
Beckman Bros. ("American"), Des Moines, Ia.
Gaston's N. B. Sons Co., Beloit, Wis.
Howe Scale Co., Rutland, Vt.
Kansas City Hay Press Co. ("Lightning"), foot of 4th st Viaduct, Kansas City, Mo.
King Drill Mfg. Co., Nebraska City, Neb.
Meadows Mfg. Co. ("Meadows"), Bloomington, Ill.
Moline Plow Co. ("McDonald," Pitless Wagon or Stock), Moline, Ill.
Scott Hay Press Co. ("O. K."), 1300 W 12th, Kansas City, Mo.
Standard Scale & Supply Co., 1631 Liberty av, Pittsburgh, Pa.
Stimpson Scale & Electric Co. ("Stimpson"), Northville, Mich.
Zimmerman Steel Co. ("Zimmerman"), Bettendorf, Ia.

Buffalo Suspension Bearing Truck Scales

Are Built for Service

Buffalo Suspension Bearing Truck Scales are built expressly to stand up under the terrific shocks of motor truck service. They meet the demand for accuracy under the most severe service conditions.

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13042—Scales (Platform or Wagon)

Am. Bridge Co. (Truck), 71 B'way, New York
Am-Kron Scale Co., 430 E 53d, New York
American Scale Co., 517 Delaware, Kansas City, Mo.
Barker Sam'l G. & Son, Providence rd, Scranton, Pa.
Beckman Bros. ("American"), Des Moines, Ia.
Boston Scale & Machine Co. (Automatic Weighing & Recording), 100 Ruggles, Boston, Mass.
Buffalo Scale Co., Inc., 1205 Niagara, Buffalo, N. Y.
See adv index at end of book
Dayton Standard Scale Co., Dayton, Ohio
Fairbanks Co., 416 Broome, New York
Fairbanks E. & T. & Co., St. Johnsbury, Vt.
FAIRBANKS, MORSE & CO. ("Fairbanks"), 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Forschner R. H. Co. (Platform Only), 230 3d av, New York
Gaston's N. B. Sons Co., Beloit, Wis.
Howe Scale Co., Rutland, Vt.
Hunt C. W. Co., West New Brighton, N. Y. *See adv index at end of book*
Jacob Bros. Co., 13 Hudson, New York
Kansas City Hay Press Co., foot of 4th st Viaduct, Kansas City, Mo.
Meyer Scale & Hardware Co., 328 Adams, Newark, N. J.
Nordeen Scale & Foundry Co., 2929 Grand av., Everett, Wash.
Nordyke & Marmon Co., Indianapolis, Ind.
Standard Scale & Supply Co., 1631 Liberty av., Pittsburgh, Pa.
Stimpson Scale & Electric Co. (Wagons, Portable Platform), Northville, Mich.
Strait Scale Co., Kansas City, Kan.
Winslow Government Standard Scale Works (M. H. Winslow, Prop.), Terre Haute, Ind.

13043—Scales (Platform, Portable)

American Cutlery Co., 764 Mather, Chicago, Ill.
American Scale Co., 517 Delaware, Kansas City, Mo.
Bennington Scale Co. ("Bennington"), Bennington, Vt.
Buffalo Scale Co., Inc., 1205 Niagara, Buffalo, N. Y.
See adv index at end of book
Chatillon Jno. & Sons, 85 Cliff, New York
Fairbanks Co., 416 Broome, New York
Fairbanks E. & T. & Co., St. Johnsbury, Vt.
FAIRBANKS, MORSE & CO. ("Fairbanks"), 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Gaston's N. B. Sons Co., Beloit, Wis.
Knowles Scale Works, Lowell, Mass.
Nordeen Scale & Foundry Co., 2929 Grand av, Everet, Wash.
Osgood Scale Co., Dept. H, Binghamton, N. Y.
Smith Scale Co., 263 W Spring, Columbus, Ohio
Standard Scale Co. The, 93 W Gay, Columbus, O.
Standard Scale & Supply Co., 1631 Liberty av, Pittsburgh, Pa.
Strait Scale Co., Kansas City, Kan.
Toledo Scale Co., Toledo, O.

13044—Scales (Portable Suspension)

Buffalo Scale Co., Inc., 1205 Niagara, Buffalo, N. Y.
See adv index at end of book

13045— Scales (Postal)

American Cutlery Co. (Official), 764 Mather, Chicago, Ill.
Atwater S. I. 101 Lafayette, New York
Buffalo Scale Co., Inc., 1205 Niagara, Buffalo, N. Y.
See adv index at end of book
Fairbanks Co., 416 Broome, New York
Fairbanks E. & T. & Co., St. Johnsbury Vt.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Forschner R. H. Co., 230 3d av, New York
Osgood Scale Co., Dept. H, Binghamton, N. Y.
Pelouze Mfg. Co., 232 E Ohio, Chicago, Ill.
Standard Scale & Supply Co., 1631 Liberty av, Pittsburgh, Pa.
Strait Scale Co., Kansas City, Kan.
Triner Scale & Mfg. Co. ("Gem"), 2714 W 21st, Chicago, Ill.

Scales (Railroad Track)

See Scales, Track

13046— Scales (Revolving)

Sawyer W. H. & Sons Co. ("Sawyer-Fulford"), Americus, Ga.
Standard Scale & Supply Co. (Postal, Letter, etc.), 1631 Liberty av, Pittsburgh, Pa.

13047—Scales (Rolling Mill)

Buffalo Scale Co., Inc., 1205 Niagara, Buffalo, N. Y.
See adv index at end of book
Fairbanks Co., 416 Brome, New York
Fairbanks E. & T. & Co., St. Johnsbury, Vt.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Gaston's N. B. Sons Co., Beloit, Wis.
Richardson Scale Co., Passaic, N. J.
Standard Scale & Supply Co., 1631 Liberty av, Pittsburgh, Pa.
Strait Scale Co., Kansas City, Kan.

13048—Scales (Sacking, Automatic)

Automatic Weighing Machine Co., 5520 2nd av, Brooklyn, N. Y.
Richardson Scale Co., Passaic, N. J.
Smith Scale Co. (The), 93 W Gay, Columbus, O.

13049—Scales (Shipping & Receiving)

Buffalo Scale Co., Inc., 1205 Niagara, Buffalo, N. Y.
See adv index at end of book
Richardson Scale Co., Passaic, N. J.

13050— Scales (Silk Trip)

Buffalo Scale Co., Inc., 1205 Niagara, Buffalo, N. Y.
See adv index at end of book

Scales (Spring)

See Balances, Spring

13050a—Scales (Springless Dial)

American Kron Scale Co., 430 E 53d, New York
Toledo Scale Co., Monroe & Alvion, Toledo, O.

13051—Scales (Stock & Wagon)

American Scale Co., 517 Delaware, Kansas City, Mo.
Beckman Bros. ("American"), Des Moines, Ia.
BUFFALO SCALE CO., INC., 1205 Niagara, Buffalo, N. Y.
See adv index at end of book
Fairbanks Co., 416 Broome, New York
Fairbanks E. & T. & Co., St. Johnsbury, Vt.
FAIRBANKS, MORSE & CO. ("Fairbanks"), 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Gaston's N. B. Sons Co. (Pit & Pitless), Beloit, Wis.
Howe Scale Co., Rutland, Vt.
Kansas City Hay Press Co. ("Lightning" Pitless), foot of 4th st Viaduct, Kansas City, Mo.
Moline Plow Co. ("McDonald"), Moline, Ill.
Nordeen Scale & Foundry Co., 2929 Grand av., Everett, Wash.
Queen City Scale Co. (Repair), 1628 John, Cincinnati, O.
Standard Scale & Supply Co., 1631 Liberty av, Pittsburgh, Pa.
Stimpson Scale & Electric Co., Northville, Mich.
Strait Scale Co., Kansas City, Kan.
Winslow Government Standard Scale Works (M. H. Winslow, Prop), Terre Haute, Ind.
Zimmerman Steel Co. ("Royal" & "Zimmerman"), Bettendorf, Ia.

13052—Scales (Suspended, for Boiler Rooms)

Buffalo Scale Co., Inc., 1205 Niagara, Buffalo, N. Y.
See adv index at end of book
Fairbanks Co., 416 Broome, New York
Fairbanks E. & T. & Co., St. Johnsbury, Vt.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Richardson Scale Co. (Automatic), Passaic, N. J.
Standard Scale & Supply Co. ("The Standard"), 1631 Liberty av, Pittsburgh, Pa.

13053— Scales (Talking)

13054— Scales (Testing)

Chatillon Jno. & Sons (Shell), 85 Cliff, New York
Daigger A. & Co. (Asphalt), 54 W Kinzie, Chicago, Ill.
Delaware Metal Refinery ("Richards" Specific Gravity for White Metals), 829 Leithgw, Phila., Pa.
Fairbanks Co., 416 Broome, New York
Kohlbusch Herman Sr. Inc. (Solder), 149H New York av, Jersey City, N. J.
Smith Scale Co. (The), 93 W Gay, Columbus, O.
Torsion Balance Co. ("Torsion," Cream, Cement, Butter, Sand, etc), 92 Reade, New York

13055— Scales (Thermometer & Barometer)

Electro Chemical Engraving Co., 450 19th, Brooklyn, N. Y.
Weinhagen & Hespe, 159 Leonard, New York

13056— Scales (Tipple)

Buffalo Scale Co., Inc. (Coal Tipple), 1205 Niagara, Buffalo, N. Y.
See adv index at end of book
Dayton Standard Scale Co., Dayton, Ohio
Fairbanks Co., 416 Broome, New York
Fairbanks E. & T. & Co., St. Johnsbury, Vt.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Richardson Scale Co., Passaic, N. J.
Standard Scale & Supply Co., 1631 Liberty av, Pittsburgh, Pa.
Strait Scale Co., Kansas City, Kan.
Winslow Government Standard Scale Works (M. H. Winslow, Prop.) (Mine Pan), Terre Haute, Ind.

13057— Scales (Track)

Am-Kron Scale Co., 430 E 53d, New York
Barker S. G. & Son, Providence rd, Scranton, Pa.
Beckman Bros. ("American"), Des Moines, Ia.
BUFFALO SCALE CO., INC., 1205 Niagara, Buffalo, N. Y.
See adv index at end of book
Fairbanks Co., 416 Broome, New York
Fairbanks E. & T. & Co., St. Johnsbury, Vt.
FAIRBANKS, MORSE & CO., 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Howe Scale Co., Rutland, Vt.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Standard Scale & Supply Co. ("The Standard"), 1631 Liberty av., Pitts., Pa.
Strait Scale Co., Kansas City, Kan.
Winslow Government Standard Scale Works (M. H. Winslow, Prop), Terre Haute, Ind.

13058-9—Scales (Trolley Track)

Buffalo Scale Co. Inc., 1205 Niagara, Buffalo, N. Y.
See adv index at end of book
Fairbanks Co., 416 Broome, New York
Fairbanks E. & T. & Co., St. Johnsbury, Vt.
Strait Scale Co., Kansas City, Kan.

Scales (Wagon)

See Scales, Platform or Wagon; also Stock & Wagon

13060-1—Scalpers (Corn Mill)

Allis-Chalmers Mfg. Co. (Flour Mills), Milwaukee, Wis.
See adv index at end of book
Gump B. F. Co. ("Ideal"), 431H So. Clinton, Chicago, Ill.
Nordyke & Marmon Co. (Round Reel & Hexagon), Kentucky av & Morris, Indianapolis, Ind.

Scarifiers

See Road Scarifiers

13063— Scenic Artists

Capital Decorating & Mfg. Co., 348-50 Hayes, San Francisco, Cal.
Flagg Edwin H. Studios ("Daylight"), 1638 Long Beach av, Los Angeles, Cal.
Lash Lee Studios, 1476 B'dway, New York
Martin J. D. Scenic Co., 545 S Los Angeles, Los Angeles, Cal.
Sosman & Landis Co., 416 S Kedzie, Chicago, Ill.
Story O. L. Scenic Co., Somerville, Mass.

13064-5— School Supplies

See also Specific Article Required

Binney & Smith Co., 41 E 42nd, New York
Bradley Milton Co., 74 Park, Springfield, Mass.
Brawley T. R. (Blackboard Erasers, all Felt), 270 20th, Brooklyn, N. Y.
See adv index at end of book
Consolidated Belting Co., Germantown & Berkley, Philadelphia, Pa.
Continental Felt Co. (Blackboard Erasers, all Felt), 64-66 E. 11th, New York
See adv index at end of book
Crunden-Martin Mfg. Co. (Crayon, Tablets, Note Books, etc.), 2nd & Gratiot, St. Louis, Mo.
HAMMETT J. L. CO., Kendall sq, Cambridge, Mass.
Knott L. E. Apparatus Co. (Scientific Laboratory), 79 Amherst, Cambridge, Mass.
Minneapolis Paper Co., 4th av S & 5th, Minneapolis, Minn.
Monarch Felt Works (Black Board Erasers All Felt), 39-45H York, Brooklyn, N. Y.
Northwest Chemical & School Supply Co., E 724 Sprague av, Spokane, Wash.
Omaha School Supply Co., 1113 Nicholas, Omaha, Nebr.
Price W. R. Inc. (Manual Training Equipment), 5 Nassau, New York
Rowles E. W. A. Co., 2345 S La Salle, Chicago, Ill.
Scientific Supplies Co., 310 Occidental av, Seattle, Wash.
University Apparatus Co., 2229 McGee av, Berkeley, Cal.
Va. School Supply Co., 2000 Marshall, Richmond, Va.
Weber C. F. & Co., 605 Mission, San Francisco, Cal.
Welch W. M. Scientific Co., 1516 Orleans, Chicago, Ill.

Scissors (Cigar Cutter)

See Cutters, Cigar

13066— Scissors (Fluting)

Osborne C. S. & Co., Box 183 Newark, N.J.
See adv index at end of book

13067— Scissors (Manicure)

Fiberloid Corp., Dept. H, Indian Orchard, Mass.
Graef & Schmidt ("Twin Brand" Imp.), 107 Chambers, New York
Kahnweiler S. B. & Co. (Imp.), 393 Bway, New York.
Schneful Bros., 684 So. 17th, Newark, N. J.

13068— Scissors (Poultry)

Graef & Schmidt ("Twin Brand" Imp.), 107 Chambers, New York
Koch F. A. & Co., 524 B'way, New York
Thurnauer G. M. Co., 6 E 20th, New York

13069— Scissors (Sardine)

Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Osborne C. S. & Co. ("Fetter's"), Box 183 Newark, N. J.
See adv index at end of book

13070— Scleroscopes

Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
SHORE INSTRUMENT & MFG. CO., THE, Jamaica, N. Y.

13070a—Scoops (Ash Pit & Pan)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

13071— Scoops (Boat)

American Can Co., 120 B'way, New York
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
New York Boat Oar Co. (Wood), 100 Washington, New York

13072— Scoops (Candy)

Maag August Co., 509 W Lombard, Baltimore, Md.

13073— Scoops (Cheese)

Amer. Cutlery Co., 764 Mather, Chicago, Ill.

Scoops (Coal)

See Shovels, Spades & Scoops

13074—Scoops (Family & Grocers')

American Can Co., 120 B'way, New York
See adv index at end of book
Burt Mfg. Co. (Scoops), 40 Main, Akron, Ohio *See adv index at end of book*
Central Stamping Co., 206 B'way, New York
Michigan Wire Goods Co., Niles, Mich.
National Enameling & Stamping Co., 411 5th av, New York
Wagner Mfg. Co. ("Wagner Ware" Cast Aluminum), Sidney, Ohio

13075— Scoops (Furnace)

See also Shovels, Spades & Scoops

American Mfg. Co., Chestnut & Water, Chattanooga, Tenn.
Beall Bros., Alton, Ill.
Conneaut Shovel Co. (Gas House and Furnace Charging), Conneaut, O.
Hubbard & Co., 63d & Butler, Pittsburgh, Pa.
Indiana Shovel Co., New Castle, Ind.
Jackson Shovel & Tool Co., Montpelier, Ind.
Jesup F. W. & Co., 90 W B'way, New York
Kohler F. E. Co., Canton, O.
Ohio Shovel & Stamping Co., Dover, O.
Pfeifer Jno. & Co. (Ltd.), 222 Race, Phila., Pa.
Pittsburgh Shovel Co., Oliver bldg, Pittsburgh, Pa.
Union Furnace Mfg. Co., Union Furnace, Pa.
Wood Shovel & Tool Co., Piqua, Ohio

13076— Scoops (Grain)

American Mfg. Co., Chestnut & Water, Chattanooga, Tenn.
American Shovel & Stamping Co., Lorain, Ohio
Beall Bros., Alton, Ill.
Conneaut Shovel Co. (D & Long Handle), Conneaut, O.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Hubbard & Co., 63d & Butler, Pittsburgh, Pa.
Jackson Shovel & Tool Co. ("Ripley"), Montpelier, Ind.
Jesup F. W. & Co., Inc., 90 W B'way, New York
Ohio Shovel & Stamping Co., Dover, O.
Pfeifer Jno. & Co. (Ltd.), 222 Race, Phila., Pa.
Philadelphia Scoop Co., 1822 Cadwalde, Philadelphia, Pa.
Sommer John Faucet Co., 30 Morris av, Newark, N. J.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Union Furnace Mfg. Co., Union Furnace, Pa.
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.
Western Steel Products Co., New Duluth, Minn.
Wood Shovel & Tool Co., Piqua, Ohio

13077-8— Scoops (Ice)

Aldrich Mfg. Co., 57 Illinois, Buffalo, N. Y.
Burt Mfg. Co., 40 Main, Akron, Ohio
See adv index at end of book
Jesup F. W. & Co., Inc., 90 W B'way, New York
Ray Geo. A. Mfg. Co. (Brass & Copper), 1495 Niagara, Buffalo, N. Y.

Scoops (Ice Cream)

See Dishers, Ice Cream

13079—Scoops (Locomotive)

Fox Bros. & Co., 126 Lafayette, New York
Hubbard & Co., 63d & Butler, Pittsburgh, Pa.
Jesup F. W. & Co., Inc., 90 W B'way, New York
Pittsburgh Shovel Co., Oliver bldg, Pittsburgh, Pa.
Wood Shovel & Tool Co., Piqua, Ohio

13080—Scoops (Potato, Corn, Etc.)

Bissell Edw. J. ("Little Giant" Malleable Iron), Milford, Mich.
Griffiths Geo. Co., Cheltenham rd, Phila., Pa.
Jesup F. W. & Co., Inc., 90 W B'way, New York
Michigan Wire Goods Co. (Wire), Niles, Mich.
Pease F. B. Co., Rochester, N. Y.
Thrope F. M. Mfg. Co., Larmar, Mo.

13081— Scoops (Scale)

AMERICAN CAN CO., 120 B'way, New York *See adv index at end of book*
Burt Mfg. C., 40 Main, Akron, Ohio
See adv index at end of book
Consolidated Mfg. Co., Dayton, O.
Fairbanks Morse & Co., 900 S Wabash av, Chicago, Ill.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
McMorran Edw. E. & Co., 126 N Union, Chicago, Ill.
Philadelphia Scoop Co., 1822 Cadwalde, Philadelphia, Pa.

13081a— *Scoops (Ship)

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Williams & Wells Co., 253 Fulton, New York *See adv index at end of book*

Scoops (Stoker)

See Scoops, Furnace

13082— Scoops (Tunneling)

Pollard Jos. G., 141 Raymond, Brooklyn, N. Y.

13083-4—*Scoops (Wooden)

ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*
Sommer John Faucet Co. ("Grain"), 355 Central av, Newark, N. J.

13085— *Scooters

AUTO WHEEL COASTER CO., INC., North Tonawanda, N. Y.

13085a— Scorifers

Braun-Knecht-Heimann Co. (Colorado), 576-584 Mission, San Francisco, Cal.
Denver Fire Clay Co., Denver, Colo.
Dixon Joseph Crucible Co., Jersey City, N. J.
Mine & Smelter Supply Co., 42 B'way, New York
Utah Fire Clay Co., Salt Lake City, Utah

13086—Scourers (Wheat & Buckwheat)

Barnard & Leas Mfg. Co. (Also Barley, Buckwheat, Corn, Grain, Rice, Rye & Seed), 403 20th, Moline, Ill.
Beall Improvements Co., Inc. (Wheat & Corn Only), Decatur, Ill.
Bethlehem Shipbuilding Corp. Ltd., Bethlehem, Pa.
Howes S. Co. Inc., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.
Richmond Mfg. Co. ("Niagara"), Lockport, N. Y.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Wolf Co., Chambersburg, Pa.

13087— Scow Builders

Atlantic Gulf & Pacific Co., 21 Park row, New York
Gray Motor Co. (Motor), Det. Term. R. R. & Mack, Detroit, Mich.
Howard Ship Yards Co. (Scow & Barge), Jeffersonville, Ind.
Lake Erie Drydock & Mill Co., Sandusky, Ohio
Leathen & Smith Towing & Wrecking Co., Sturgeon Bay, Wis.
Manitowoc Ship Building Co. (Steel, Dump, Derrick, etc), Manitowoc, Wis.
Midland Barge Co. (Steel, Dump), Dept. H, Midland, Pa.

Perth Amboy Dry Dock Co. (Brick & Freight), Perth Amboy, N. J.
Treadwell Construction Co. (Steel), Midland, Pa.

13088— *Scows (Fueling)

BARTLETT & SNOW CO. C. O. (For Fueling Vessels), 6350 Harvard av, Cleveland, Ohio
See adv index at end of book

13089— Scrap Aluminum

BELMONT SMELTING & REFINING WORKS, INC. (Buyers & Sellers All Kinds), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book

DU PONT E. I. de NEMOURS & CO., INC. (Salvage & Reclamation Div.), Wilmington, Del.
See adv index at end of book

Erie Iron & Steel Co., Erie, Pa.
Lowenthal Co., 947 W 20th, Chicago, Ill
Nelson Ira L., 10 High, Boston, Mass.

13090—Scrap Brass & Copper

See also Scrap Iron & Steel

Armstrong R. S. & Bro., Atlanta, Ga.
Battaglia Bros., 381 Pearl, New York
Belmont Smelting & Refining Works, Inc. (Buyers and Sellers All Kinds), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book

SCRAP METALS
BRASS—COPPER
ZINC—ALUMINUM—LEAD
BOUGHT AND SOLD
New Clippings Our Specialty
Belmont Smelting and Refining Works, Inc.
General Office: 328 Belmont Ave., Brooklyn, N. Y.

Bers E. & Co., 330 S Del av, Phila., Pa.
Birnbaum Bros. & Sack, 133 Roosevelt, New York
Boston Iron & Metal Co., Pratt & Fremont av, Baltimore, Md.
California Iron Yards Co., 554 Bryant, San Francisco, Cal.
Capian Julius H., Lebanon, Pa.
Central Smelting & Refining Co., Borden av & Hayward, Long Island City, N. Y.
Cosby Clarence, Richmond, Va.
DU PONT E. I. de NEMOURS & CO., INC. (Salvage & Reclamation Div.), Wilmington, Del.
See adv index at end of book
Duquesne Reduction Co., Farmers' Bank bldg, Pittsburgh, Pa.
Eagle Smelting & Refining Works, 233 B'way, New York
Edelstein Carl, 279 Front, New York
Erie Iron & Steel Co. Erie, Pa.
Fechheimer D., 20 E Jackson blvd, Chicago, Ill.
Finkelstein Neil, 1042 E 4th, Los Angeles, Cal.
Grimm Paul, 284 Front, New York
Hanshaft Max, 262 Front, New York
Harris Benj. & Co., 21st & Loomis, Chicago, Ill.
Hudson Iron & Metal Co., ft E 33rd, Bayonne, N. J.
Illinois Smelting & Refining Co., 410 N. Peoria Chicago, Ill.
Jacob Bros., 1240 Seaview av, Bridgeport, Conn.
Jacobson I. M. & Sons Co., 70 Catherine, Detroit, Mich.
Kahn Bros., 785 Humboldt, Brooklyn, N. Y.
Knight Iron & Metal Co., 27th to 28th & 1st av, Birmingham, Ala.
Knight J. T. & Son, Columbus, Ga.
Koehler J. P. Co., 2837 Smallman, Pittsburgh, Pa.
Lebanon Engineering & Supply Co., Lebanon, Pa.
Lehman Bros., Hoboken, N. J.
Lehman Max Metal Co., 507 Newark, Hoboken, N. J.
Levi B. & Co., 618 Capouse av, Scranton, Pa.
Levin, M & Sons, 2201 3rd, San Francisco, Cal.
London N., 2 W 46th, New York
Lowenthal Co., 947 W 20th, Chicago, Ill.
Machinery & Equipment Co., Inc., 225 Sherman av, Newark, N. J.
Maryland Brass & Metal Works, Calvert & Federal, Baltimore, Md.
Midgley & Prentice Inc., 30 Church, New York
Moers E. M. Sons, 290 Front, New York
Morrison & Risman, 1437 Bailey av, Buffalo, N. Y
National Smelting Co., 16th & Texas, San Francisco, Cal.
Nelson Ira L., 10 High, Boston, Mass.
Norristown Iron & Steel Co., Norristown, Pa.
Northwest Steel & Metal Products Co., 1560 1st av S, Seattle, Wash.
Omaha Metal & Rubber Co., Omaha, Neb.
Oppenheimer J. & Co., 2 Rector, New York
Pollock Mayer, Pottstown, Pa.
Pueblo Brass & Iron Foundry, Pueblo, Colo.
Reubens S. & Bro., 259 Front, New York
Rosenblatt Wm (Inc.), 262 Water, New York
Ruttenberg Bros., Reading, Pa.
Sackler Bros., 358 Alexander av, New York
Shapiro Henry, Wilkes-Barre, Pa.
Shonberg L., 122 Flushing av, Brooklyn, N. Y.
Silberman G. L. & Co., 2418-2440 B'way, Cleveland, Ohio
SMITH MORTON B. CO., 241 Front, New York
Sofranscy H. Co., Allentown, Pa.
Star Refining Co., 116 W First, Boston, Mass.
Symansky Bros., Troy, N. Y.
Van Dyke Smelting & Refining Works, Inc.
Wensley Metal Products Co., Denver, Colo.
West Side Metal Refining Co., 2917 La Salle, Chicago, Ill.
Winer Samuel & Co., Elkhart, Ind.
Williams & Freedman, Harrisburg, Pa.
Woodlawn Metal Co. 332 W 26th, New York

13091— Scrap Iron & Steel

See also Special List of Scrap Brass and Copper

This list is published for Purchasing Purposes and comprises only the Largest Firms who make a specialty of Scrap Iron & Steel

ALABAMA.

BIRMINGHAM—Knight Iron & Metal Co., 27th to 28th & 1st av
Weller & Co.

CALIFORNIA.

BAKERSFIELD—Bakersfield Junk Co.
FRESNO—Fresno Junk Co.
LOS ANGELES—Finkelstein Neil, 1042 E 4th
OAKLAND—American Iron & Metal Co., 1417 7th
Bercovich A. Co., First & Jackson
SAN FRANCISCO—California Iron Yards Co., 34 Mission
Harley Chas. Co., 650 7th
Levin M. & Sons, 2201 3rd
Rosenberg Iron & Metal Co., 540 8th
San Francisco Iron & Metal Co., 2301 Stockton
Steinberg Iron & Metal Co., 208 Tremont
Sugarman Iron & Metal Co., 5th & Brannan
STOCKTON—Davidson M., 740 N East

COLORADO.

DENVER—Colorado Iron & Metal Co., 438 Larimer
Denver Metal & Machinery Co., 1300 Larimer
PUEBLO—Pueblo Brass & Iron Foundry

CONNECTICUT.

BRIDGEPORT—Jacob Bros., 1240 Seaview av
WATERBURY—Waterbury Scrap Iron Co

DELAWARE.

WILMINGTON—**DU PONT E. I. de NEMOURS & CO., INC.** (Salvage & Reclamation Div.)
See adv index at end of book
Stirlith J. A. Bros.

GEORGIA.

ALBANY—Mayer Daniel
ATLANTA—Armstrong R. S. & Bro.
COLUMBUS—Knight J. T. & Son

ILLINOIS.

AURORA—Annenberg, J. D. & Co.
Joseph Iron Co.
CHICAGO—Alton Iron & Metal Co., 2122 S Loomis
Briggs & Turivas, 110 S Dearborn
Fechheimer D., 20 E Jackson blvd
Harris Benj & Co., 21st & Loomis
HYMAN-MICHAELS CO. (We buy all grades & quantities of Scrap Iron & Steel. Get our prices), 122 S Michigan av
See adv index at end of book
Joseph David J. Co., 332 S. Michigan av.
Lanski I. & Son Scrap Iron Co., 3437 S Woodlawn
Levine A. & Co., 1461 S State
Lieberman Jos. L. Iron Co., Webster bldg.
Marks H. Sons, 1045 W 14th
Ohio Iron & Metal Co., 38 S. Dearborn
Price Iron & Steel Co., 122 S Michigan av
Seffren Scrap Iron & Machy. Co., 213 N Halsted
Silverman H. & Co., 525 W Van Buren
U. S. Metal & Mfg. Co., 332 S Michigan av
West Side Metal Refining Co., 2917 La Salle
DANVILLE—Cohen David
Danville Iron & Metal Co.
PEORIA—Cohen J. & Son
QUINCY—Rupp Geo. & Bros .Co.
SPRINGFIELD—Barker A. Iron Co.
STREATOR—Tierney Bros.

INDIANA.

EDINBURG—Kroot Jos.
ELKHART—Elkhart Junk Co.
Winer Samuel & Co.
EVANSVILLE—Fligeltaub Henry, 2514 Division
MONTPELIER—McCauley Chas.
MUNCIE—Feinberg Abe
SOUTH BEND—Ciralsky Abraham & Son
TERRE HAUTE—Bogard A.
WABASH—Cook Simon Co.

IOWA.

DES MOINES—Cohen Bros. Iron & Metal Co.
Cohen E. M. & Sons Iron & Metal Co.

KANSAS.

KANSAS CITY—Sonken-Galamba Iron & Metal Co.

KENTUCKY.

LOUISVILLE—Hyman Louis P. & Co.

LOUISIANA.

NEW ORLEANS—Marx Alphonse & Sons, 1645 Tchoupitoulas

MARYLAND.

BALTIMORE—Boston Iron & Metal Co., cor Pratt & Freemont av
Bowman Wm., 1325 Eastern av
De Ved & Sons Sash Weight Co., 807 S Howard
Monumental Iron & Metal Co., 228 W Pratt

MASSACHUSETTS.

BOSTON—Brackett H. F. & Co., 77 Newman
Butler Thos. & Co., 23 Medford
Perry, Buxton, Doane Co., First
Nelson Ira L., 10 High
Werby A. & Co., 47 Beverly
CAMBRIDGE—Sovrensky L
CHELSEA—Rosenberg Bros.
DORCHESTER — Roxbury Iron & Metal Co., 140 Granite av
FALL RIVER—Dunn Wm. J.
Ratner M.
LAWRENCE—Gutterson & Gould
LOWELL—Harris A. J. & Co.
NEW BEDFORD—Fox Max
McCullough John
NORTHAMPTON—Carlson & Barger

MICHIGAN.

BAY CITY—Hirschfield H. & Son
DETROIT—Dreifus Chas. Co., Book bldg
Howe Burt D. Co., 2001-2 First National Bank bldg.
Riverside Scrap Iron & Metal Co., 2100 E Atwater
Wayne Scrap Iron & Metal Co., 522H S Campbell av.
IRONWOOD—Michigan Scrap Iron Co.
KALAMAZOO—Gumbinsky Oscar & Bros.
LANSING—Simon A. Iron Co.
THREE RIVERS—Three Rivers Iron & Metal Co.

MINNESOTA.

DULUTH—Duluth Iron & Metal Co.
MINNEAPOLIS—Peoples' Scrap Iron & Metal Co., 1528 N 2d

MISSOURI.

ST. LOUIS—Bierman F. & Sons
Greenspon's Jos. Sons Iron & Steel Co., 67 Branch

NEBRASKA.

OMAHA—Alpirn A. B.
Omaha Metal & Rubber Co.
Steinberg Nathan

NEW JERSEY.

BAYONNE—Hudson Iron & Metal Co., ft E 33rd
ELIZABETH—Kaufman David & Sons Co.
JERSEY CITY—Contey Frank, 451 Whiton
Contey Frank Co., 317 Grand
Koven L. O. & Bro., Inc., 154 Ogden av,
See adv index at end of book
Letcher R. J. & Son, 191 Morgan
Leveson S., 13 Center
NEWARK—Friedman Chas., 5 Beacon
Leonards P. & Sons, 57 River
Liebstein T. B., 102 Parkhurst
Machinery & Equipment Co., Inc., 225 Sherman av.
Newark Metal Co.
Sangiacomo Sons, 137 South
Serratelli's P. Sons, 156 Malvern
Walsh's Sons & Co. Inc., 295-305 Passaic
PATERSON—Lapat L.
Sinn Fred'k
Stamm Max
PHILLIPSBURG—Gibney Iron & Steel Co.
PLAINFIELD—Haskard John S.
TRENTON—Millner Frank

NEW YORK.

BUFFALO—Bock M. & Son, Morgan bldg
Buffalo House Wrecking & Salvage Co., Sycamore & Erie RR
Buffalo Waste Paper Co., 345 Babcock
Cohen Isaac H., Imson & Penn. R. R.
Lenahan Frank & Son, 53 Fulton
Morrison & Risman, 1437 Bailey av
Sukernek Louis, Jr., 993 Clinton
Ullman Jacob, 84 Oneida
NEWBURGH—Hart Patrick

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Blume H. & Son, 536 Myrtle av
Kelly's James T. Sons, 249 Greene
Republic Pipe & Iron Corp. (Dirs.), 23 H Varick av
See adv index at end of book
Rothschild R., 207 Norman av
Samuels M. & Sons, N 2d
Watson Andw., 44 Withers

(Continued on following page)

Scrap Iron & Steel—Continued

NEW YORK CITY—Continued

Boroughs of Manhattan and Bronx.

Continental Iron & Steel Co., 33 Rector
Eagle Pipe Supply Co., 233 B'way
Hanshaft Max, 262 Front
Harris Burt, 233 Broadway
Kelleher John J., 89 Tomkins
Leaf E. B. Co., 50 Church
London N., 2 W 46th
Lowy D. & Co., 162 Le Roy
Metropolitan Iron & Steel Co., 560 W 26th
Midgley & Prentice Inc., 30H Church
Naylor & Co., 120 B'way
Oppenheimer J. & Co., 2 Rector
Rubber Waste Co., 1724 Park av
Schoolhouse J. Co., 293 Rider av
Ziegler & Co., Morris av & 144th

Borough of Queens.

LONG ISLAND CITY—Daly Jno. J. Iron, Steel & Metal Co., 101 Nott av

(End of New York City)

OLEAN—Bock Leo
ROCHESTER—Millard Geo. P. Co.
Rochester Iron & Metal Co., 325H St. Paul
Wilson Wm. H. Iron Works, 551 Lyell av
SYRACUSE—Hurwitz Bros. Iron & Metal Co.
TROY—Symansky Bros.
Troy Scrop Iron & Metal Co.
WATERVLIET—Security Steel & Iron Co.

NORTH CAROLINA.

CHARLOTTE—Yarbrough & Bellinger Co.

OHIO

AKRON—American Scrap Iron Co. (Rails, Beams, etc)
ALLIANCE—Galansky Thos.
CANTON—Canton Iron & Metal Co., 200 11th S E
CINCINNATI—Fettig Jos., 2146 W 6th
Hilb & Bauer, Union Tr. bldg
Hils Chas. L. Co., Front & Mills
Joseph David J. Co., 1234 Harrison
Joseph Isaac Iron Co., 528 Reading rd
Joseph Joseph & Bro. Co.
CLEVELAND—Acme Mill Supply Co., H, Guardian bldg
Cohen M. & Son Co., 16700 St. Clair
Fishel & Marks, ft. of Krakow av
See adv index at end of book
Grodin Bros., 1684 Columbus rd
Hirsch G. & Co., 1913 W 3rd
Kammer, Kriedman & Co., 3010 E 55th
Koblitz-Kohn Co., 2374 Canal rd
McCarthy W. B., Rose bldg
National Sales & Trading Co.
Ohio Iron & Metal Co., 1372H Hanna bldg. (See Chicago, Ill.)
Sanger A. I., National City bldg
Schwarzenberg E. A., Hanna bldg
Shaw A. Co., 976 E 67th
Silberman G. L. Co., 2418-2440 B'way
Silberman Morris & Son, 2418 B'way
Silverman, H. & Co., 421 S Clinton
DAYTON—Dayton Iron & Metal Co.
Israel Bros. Iron & Metal Co.
ELYRIA—Elyria Belting & Machinery Co.
HAMILTON—Wolf & Co.
MARIETTA—Buckeye Supply Co.
La Crosse Scrap Iron & Metal Co.
Producers' Supply & Tool Co.
PIQUA—Ohio Scrap Iron & Metal Co.
Piqua Paper Box Co.
SANDUSKY—Cohen Jos. M.
Weier Bros.
SPRINGFIELD—Schadel J. & Co.
TOLEDO—Gerson I. & Son
Rosen Henry
YOUNGSTOWN—Joseph David J. Co.
Wilkoff Co.

PENNSYLVANIA.

ALLENTOWN—Fechheimer Steel & Iron Co., 231 Front
Sofranscy H. Co.
BEAVER FALLS—Solomon Jos.
Solomon Moses
BIRDSBORO—Birdsboro Iron & Steel Breaking Co. (Ltd.)
CARNEGIE—Koehler Streng Co.
COATESVILLE—Gerson Samuel
ERIE—Erie Iron & Metal Co.
Erie Iron & Steel Co.
FRANKLIN—Carnick R.
HARRISBURG—Michlovitz & Co.
Michlovitz & Co.
Williams & Freedman
JOHNSTOWN—Cambria Junk Co.
LEBANON—Brenner L. & Co.
Caplan Julius H.
Donaghmore Iron & Steel Co.
Lebanon Engineering & Supply Co.
MIDDLETOWN—Middletown Iron, Metal & Coal Co.
NORRISTOWN—Furlong Andrew J.
Mann Bros.
Norristown Iron & Steel Co.
PHILADELPHIA—Bers E. & Co., 330 S Delaware av
Caine John J., 100 Pelham rd
De Cou Richard Co., 12th & Noble
Dreifus Chas. Co., Pennsylvania bldg
Gillingham H. F. & Co., 1013 N Front
Girard Iron & Metal Co., E York & Aramingo av
Halpern Isaac Bros. & Co., 1333 N Front
Hoffer Allen R. & Co., Penna. bldg
Houston C. B. & Co., Iron Liberty bldg
Johnson Geo. T. & Co., Commercial Trust bldg
Johnson, Sharp & Co., Widener bldg
Kensington Iron & Metal Co., 1011 E Susquehanna av
Law Ernest & Co., Harrison bldg
Leaf E. B. Co., Real Estate Trust bldg
Mohr J. J. & Son (Old Car Wheels, etc), Bullitt bldg
SAMUEL FRANK & CO., Harrison bldg *See adv index at end of book*
Weil's Morris Sons, 837 N 3d
Wheeler, Mifflin & Co., Commercial Trust bldg
Wittmann N. B. & Co., Commercial Trust bldg
PITTSBURGH—American Reduction Co. (Iron), 1942H Forbes
Bell Bros., 27th & A. U. Ry.
Davis C. & Co., B. F. Jones bldg
Green L. A., First Nat'l Bk. bldg
Hausman & Wimmer Co., 111 2d av
Jones J. B. & Co., 712 Lacock
Keystone Iron & Metal Co., Bessemer bldg
Maloney T. J., A V R R & 29th
Moore Edgar M. & Co., Farmer's Bank bldg
Stalnaker Steel Co., Frick bldg
Streng M. Sons Co., River & Warfield
Timble H. N., Oliver bldg
PITTSTON—Adelson Mose D.
POTTSTOWN—Pollock Mayer
POTTSVILLE—Brenner & Weiner Co.
PUNXSUTAWNEY—Light A. L.
READING—Grieshaber Wm.
Luria Bros. & Co.
Isecovitz Morris
Ruttenberg Bros.
SCRANTON—Levi B. & Co., 618 Capouse av
SHARON—Sharon Iron & Metal Co.
Speer M. Iron & Metal Co.
WILKES-BARRE—Fisher E. J. & Co.
Shapiro Henry
WILLIAMSPORT—Bloom W. & Co.
YORK—Luria Rag Co.

RHODE ISLAND.

PROVIDENCE—Higgins J. H. Co., 198 Globe, Broadway
Pettis B. H. Co., 102 Harris av

TENNESSEE.

MEMPHIS—Memphis Iron & Steel Co., Maple

TEXAS.

HOUSTON—Kaminsky Louis Co.

VIRGINIA.

RICHMOND—Cosby Clarence
Nott F. H.
Virginia Iron & Metal Co., 7th & Semmes.

WASHINGTON.

SEATTLE—Nieder & Marcus, 419 Railroad av S
Northwest Steel & Metal Products Co., 1560 1st av S
SPOKANE—Alaska Junk Co., S 116 Adams
Spokane Metals Co., E 27 Main
TACOMA—Sussman Frank & Co., 1730 Pacific av
Wallis & Sons

WEST VIRGINIA.

CLARKSBURG—White W. F. & Co., 4 Linden

WISCONSIN.

KENOSHA—Northeastern Iron & Metal Co.
MILWAUKEE—Benesch Jos. & Co., 1264 S Pierce
Cassel A. A. Metal Co., 306 Milwaukee
Seeboth Bros. Co., 111 Reed
RACINE—Northwestern Iron & Metal Co.

13092— Scrap Lead

Belmont Smelting & Refining Works, Inc. (Buyers & Sellers, All Kinds), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book
California Iron Yards Co., 554 Bryant, San Francisco, Cal.
Caplan Julius H., Lebanon, Pa.
DU PONT E. I. de NEMOURS CO., INC. (Salvage & Reclamation Div.), Wilmington, Del.
See adv index at end of book
Erie Iron & Steel Co., Erie, Pa.
Finkelstein Neil, 1042 E 4th, Los Angeles, Cal.
Harris Benj. & Co., 21st & Loomis, Chicago, Ill.
Knight Iron & Metal Co., 27th to 28th & 1st av, Birmingham, Ala.
Knight J. T. & Son, Columbus, Ga.
Lehman Max Metal Co., 507 Newark, Hoboken, N. J.
Lowenthal Co., 947 W 20th, Chicago, Ill.
Machinery & Equipment Co., Inc., 225 Sherman av, Newark, N. J.
National Smelting Co., 16th & Texas, San Francisco, Cal.
Nelson Ira I., 10 High, Boston, Mass.
Northwest Steel & Metal Products Co., 1560 1st av S, Seattle, Wash.
SILBERMAN G. L. & CO., 2418-2440 Bway Cleveland, Ohio.
Sofranscy H. Co., Allentown, Pa.

13093— Scrap Paper

American Reduction Co., 1942H Forbes, Pittsburgh, Pa.
Cosby Clarence, 1523 E Cary, Richmond, Va.
DU PONT E. I. de NEMOURS CO., INC. (Salvage & Reclamation Div.), Wilmington, Del.
See adv index at end of book
Erie Iron & Steel Co., Erie, Pa.
Western Paper Stock Co., 2700 16th, San Francisco, Cal.

13094— Scrap Rubber

Adrian Iron & Metal Co., Adrian, Mich.
Albert L. & Son, Trenton, N. J.
Alliance Iron & Metal Co., Alliance, O.
Askan Rubber Co., Milford, Conn.
Barker A. Iron Co., Springfield, Ill.
Berry James & Son, Brockton, Mass.
Bers E. & Co., 330 S Del. av, Phila., Pa.
Berzen Nat. E., 232 South, New York
Bierman F. & Sons, St. Louis, Mo.
Binghamton Metal & Paper Co., Binghamton, N. Y.
Birkenstein S. & Sons, 1056 W North av, Chicago, Ill.
Birnbaum Bros. & Sack, 133 Roosevelt, New York
Bloom W. & Co., Williamsport, Pa.
Blumberg L., 335 N 4th, Phila., Pa.
Buffalo Waste Paper Co., 345 Babcock, Buffalo, N. Y.
Carlson & Barger, Northampton, Mass.
Chapman & Resnick, 1361 S Morgan, Chicago, Ill.
Cohen D., Danville, Ill.
Contey Frank, 451 Whiton, Jersey City, N. J.
Cummings Wm. H. & Sons, 60 Harrison, New York
Dayton Iron & Metal Co., Dayton, O.
DU PONT E. I. de NEMOURS CO., INC. (Salvage & Reclamation Div.), Wilmington, Del.
See adv index at end of book
Electric Rubber Reclaiming Co., Barberton, Ohio
Erie Iron & Metal Co., Erie, Pa.
Erie Iron & Steel Co., Erie, Pa.
Feinburg David Co., 11 B'way, Chelsea, Mass.
Feldman H. & Co., 324 S Delaware, Phila., Pa.
Fettig J., 2146 W 6th, Cincinnati, O.
Frankel Bros. & Co., Rochester, N. Y.
Friedman Chas., 5 Beacon, Newark, N. J.
Galansky Thos., Alliance, O.
Gilinsky M., Trenton, N. J.
Goldwater J. M., 943 N American, Phila., Pa.
Grieshaber Wm., Reading, Pa.
Grimm Paul, 284 Front, New York
Grodin Bros., 1684 Columbus rd, Cleveland, Ohio
Gumbinsky Oscar & Bros., Kalamazoo, Mich.
Hanshaft Max, 262 Front, New York
Hausman & Wimmer Co., 111 2d, Pittsburgh, Pa.
Helper Bros., Bay City, Mich.
Hils Chas. L. Co., Front & Mills, Cincinnati, Ohio
Kaplan L., Salem, O.
Knight Iron & Metal Co, 27th to 28th & 1st av, Birmingham, Ala.
Knight J. T. & Son, Columbus, Ga.
Koblitz-Kohn Co., 2374 Canal rd, Cleveland, O.
Leonardis P. & Sons, 57 River, Newark, N. J.
Levi M. A., Rochester, N. Y.
Levin M. & Sons, 2201 3rd, San Francisco, Cal.
Loveland A. C. & Co., 340 N Front, Hartford, Conn.
Lowenthal Co., 947 W 20th, Chicago, Ill.
Lublin B. & Son, 240 Village, Hartford, Conn.
Luria Rag Co., York, Pa.
McCrery Philip, Trenton, N. J.
Millard Geo. P. Co., Rochester, N. Y.
Naporano Louis, 17 Van Buren, Newark, N. J.
Nelson Ira I., 10 High, Boston, Mass.
Norton M. & Co., Charlestown, Boston, Mass.
Nott F. H., Richmond, Va.
Omaha Metal & Rubber Co., Omaha, Neb.
Oppenheimer & Co., 62 Main, Buffalo, N. Y.
Pittsfield Junk Co., Pittsfield, Mass.
Raymond Rubber Co, Titusville, N. Y.
Rosenberg Bros., Chelsea, Mass.
Rosenthal H. A., Trenton, N. J.
Rubber Waste Co., 1724 Park av, New York
San Giacomo Sons, 137 South, Newark, N. J.
Sarachan & Rosenthal, Rochester, N. Y.
Sofranscy H. Co., Allentown, Pa.
Sonken Galamba Iron & Metal Co., North 2nd, Kansas City, Kans.
Staiman Bros., Williamsport, Pa.
Stedman J. H. Co., South Braintree, Mass.
Trenton Scrap Rubber Supply Co., Trenton, N. J.
Verrone L., 209 Charlton, Newark, N. J.
Weils M. Sons, 837 N 3d, Phila., Pa.
West Side Metal Refining Co., 2917 La Salle, Chicago, Ill.
Yorkville Scrap Rubber & Metal Co., 334 E 31st, New York

13095— Scrap Tin

Belmont Smelting & Refining Works, Inc. (Buyers & Sellers, All Kinds), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book

Birnbaum Bros. & Sack, 133 Roosevelt, New York
Brooklyn Alloys Co., 17 Walton, B'klyn, N. Y.
Caplan Julius H., Lebanon, Pa.
Erie Iron & Steel Co., Erie, Pa.
Finkelstein Neil, 1042 E 4th, Los Angeles, Cal.
Knight Iron & Metal Co., 27th to 28th & 1st av, Birmingham, Ala.
Lehman Max Metal Co., 507 Newark, Hoboken, N. J.
Lowenthal Co., 947 W 20th, Chicago, Ill.
Nelson Ira I., 10 High, Boston, Mass.
Northwest Steel & Metal Products Co., 1560 1st av S, Seattle, Wash.
Rosenblatt Wm. (Inc.), 262 Water, New York
Rothschild R., 207 Norman av, Brooklyn, N. Y.
Silberman G. L. & Co., 2418-2440 B'way, Cleveland, Ohio
Sofranscy H. Co., Allentown, Pa.

13096— Scrap Zinc

Belmont Smelting & Refining Works, Inc. (Buyers & Sellers, All Kinds), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book

ZINC NEW AND OLD BOUGHT AND SOLD
Also Copper, Aluminum, Tin, Lead & other metals
Belmont Smelting and Refining Works, Inc.
General Office: 328 Belmont Ave., Brooklyn, N. Y.

California Iron Yards Co., 554 Bryant, San Francisco, Cal.
Caplan Julius H., Lebanon, Pa.
Erie Iron & Steel Co., Erie, Pa.
Finkelstein Neil, 1042 E 4th, Los Angeles, Cal.
Knight Iron & Metal Co., 27th to 28th & 1st av, Birmingham, Ala.
Knight J. T. & Son, Columbus, Ga.
Lehman Max Metal Co., 507 Newark, Hoboken, N. J.
Lowenthal Co., 947 W 20th, Chicago, Ill.
Nelson Ira I., 10 High, Boston, Mass.
Silberman G. L. & Co., 2418-2440 Broadway, Cleveland, O.

13097—Scraper-Sets (Carbon)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Chicago Tool & Kit Co., 160 Whiting, Chicago, Ill.
Goodell-Pratt Co., Greenfield, Mass.
Vichek Tool Co. ("Vichek"), 3000 E 87th, Cleveland, Ohio
Wilkins Geo. H., 180 N Market, Chicago, Ill.

13098— Scrapers (Bakers')

Watkins James Y. & Son, 20 Catherine, New York

13099— Scrapers (Bearing)

Buffum Tool Co. ("Swastika," Three Cornered Automobile, Curved & Engineers' Sets), South Side, Louisiana, Mo.
Chicago Tool & Kit Co., 160 Whiting, Chicago, Ill.
Goodell-Pratt Co., Greenfield, Mass.
Harrold Tool & Forge Co. (Hand Forged), Columbiana, O.
Marcy Tool Works, Putnam, Conn.
Plomb Tool Mfg. Co., 2209 Santa Fe av, Los Angeles, Cal.
Smith & Hemenway Co., Inc. ("Red Devil"), 261 B'way, New York, & 130H Coit, Irvington, N. J.
See adv index at end of book
Vichek Tool Co. ("Vichek," Machinists' Automobile & Non-Chatering), 3701 Mt. Auburn av, Cleveland, O.
Wilkins, Geo. H., 180 N Market, Chicago, Ill.

Scrapers (Boiler Flue or Tube)

See Cleaners, Boiler Flue or Tube

13100—Scrapers (Box & Plumbers')

Atkins E. C. & Co. (Floor & Cabinet Bench), 402 S Illinois, Indianapolis, Ind.
Bridgeport Hardware Mfg. Corp. ("Perfection"), 461 Irving av, Bridgeport, Conn.
Browne & Dowd Mfg. Co. (Plumbers), Meriden, Conn.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Carver Tool Works, Spring Valley, N. Y.
Curtis & Co. Mfg. Co., 1502 Kienlen av, St. Louis, Mo.
Chapin-Stephens Co., Pine Meadows, Conn.
Dicke Tool Co. (Also Barrel), Downers Grove, Ill.
Drew C. & C. Co., Kingston, Mass.
Kraeuter & Co., 583 18th av, Newark, N. J.
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Marine Hardware Equipment Co., South Portland, Me.
Peck, Stow & Wilcox Co., Southington, Conn.
Potter Mfg. Co. (Triangular Steel Blade, Box Only), Geneva, O.
Sargent & Co. ("New Haven Edge Tool Co."), New Haven, Conn.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Smith & Hemenway Co., Inc. ("Red Devil"), 261 B'way, New York, & 130H Coit, Irvington, N. J.
See adv index at end of book
Stanley Rule & Level Co., New Britain, Conn.
Stortz Jno. & Son, 210 Vine, Phila., Pa.
U. S. Bottlers' Machinery Co. ("Marxoff," "U. S."), 2511 Park av, Chicago, Ill.
Van Doren Mfg. Co. ("Vandor"), Chicago Heights, Ill.
Vaughan & Bushnell Mfg. Co. ("V. & B." Box Only), 2114 Carroll av, Chicago, Ill.
Weston Thos. B. (Box), 708 Light, Baltimore, Md.
Wilcox Crittenden & Co. Inc., 444 So. Main, Middletown, Conn.
See adv index at end of book

13101—Scrapers (Broom Corn)

FERNHOLTZ MACHINERY CO. ("Overstrom"), 2053 E 38th, Los Angeles, Cal.
See adv index at end of book
Shaw, Welsh & Co. ("Galesburg"), Galesburg, Ill.

13102—Scrapers (Butchers' Block)

Barr Bros., Oakland, Cal.
Brecht Co., 1201 Cass av, St. Louis, Mo.
Browne & Dowd Mfg. Co., Meriden, Conn.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Chatillon John & Sons, 85 Cliff, New York
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Starrett L. S. Co. (The), Athol, Mass.
Stortz John & Son, 210 Vine, Phila., Pa.
Vaughan & Bushnell Mfg. Co., 2114 Carroll av, Chicago, Ill.
White L. & I. J. Co., 120 Columbia, Buffalo, N. Y.
Worcester Brush & Scraper Co., 456 Park av, Worcester, Mass.

13103—Scrapers (Cabinet, Etc.)

Browne & Dowd Mfg. Co., Meriden, Conn.
Buckeye Mfg. & Fdry. Co., 2046 W 55th, Cleveland, Ohio
Buffalo Pulley & Caster Co., Inc. ("Bennett"), 182 Breckenridge, Buffalo, N. Y.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Disston Hy. & Sons, Tacony, Phila., Pa.
Goodell-Pratt Co., Greenfield, Mass.
Jennings C. E. & Co., 71 Murray, New York
Sargent & Co., New Haven, Conn.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Starrett L. S. Co., Athol, Mass.
Stearns E. C. & Co., 450 Oneida, Syracuse, N. Y.
Weber Mfg. Co., West Allis, Wis.

Scrapers (Carbon)

See Scraper-Sets, Carbon

13103a—Scrapers (Coal Storage)

Sauerman Bros., 458 S Clinton, Chicago, Ill.
See adv index at end of book

13104— Scrapers (Coke)

Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.

13105-6—Scrapers (Confectioners' & Bakers')

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Marine Hardware Equipment Co., South Portland, Me.

13107— Scrapers (Cotton)

Avery B. F. & Sons, Louisville, Ky.
Blount Plow Works, 1128 E Illinois, Evansville, Ind.
Brinly Hardy Co. (White), Louisville, Ky.
Empire Plow Co., 3140 E 65th, Cleveland, Ohio
Hall Jas. H. Plow Co., Maysville, Ky.
Hartig W. F. Plow Co., 2200 1st av, Evansville, Ind.
Ohio Cultivator Co., Bellevue, O.
Rock Island Plow Co., Rock Island, Ill.
Southern Plow Co., Columbus, Ga.
Towers & Sullivan Mfg. Co., Rome, Ga.

Scrapers (Drag Wheel)

See Road Scrapers, Drag & Wheel

13108— Scrapers (Floor)

Barnes Mfg. Co., 700H N Main, Mansfield, O.
Dikeman Mfg. Co. ("Dikeman," Hand Rest, for Floors, Woodwork, etc), Norwalk, Conn.
Duncan Bros. & Wray Co. ("Perfection," "Wray"), Ludlow Falls, O.
Foote I. B. Foundry Co., Fredericktown, Ohio
Fox Supply Co., Brooklyn, Wis.
Goodell-Pratt Co., Greenfield, Mass.
Kepplinger Geo. J. ("Boss"), Dwight, Ill.
Kuster J. A. ("Common Sense"), Plymouth, Wis.
Lincoln-Schlueter Machy Co., 225 W Illinois, Chicago
Little Giant Co. ("Little Giant"), 511-513 Madison, Maywood, Ill.
MacLeod Mfg. Co., 2640 Greenview av, Chicago, Ill.
Nicholls Mfg. Co. ("Nicholls" Non-Vibrating), Ottumwa, Ia.
Osborn Mfg. Co. (Squeezers), 5401 Hamilton, Cleveland, O.
Rock Island Mfg. Co. ("Black Hawk"), Rock Island, Ill.
Starrett L. S. Co. (For Floors, Benches, etc.), Athol, Mass.
Stearns E. C. & Co., 450 Oneida, Syracuse, N. Y.
Stortz John & Son, 210 Vine, Phila., Pa.
Weber Mfg. Co., West Allis, Wis.

13109— Scrapers (Foot)

Grey Iron Casting Co., Mt. Joy, Pa.
National Mfg. Co. (Self-Cleaners, "Upright," Wrought Steel), Sterling, Ill.
Peck, Stow & Wilcox Co., Southington, Conn.
Pratt Wm. E. Mfg. Co. (Steel), 35 W Lake Chicago, Ill.
Richards-Wilcox Mfg. Co. ("Richards-Wilcox" Steel), Aurora, Ill.
See adv index at end of book
Rock Island Mfg. Co., Rock Island, Ill.
Sargent & Co., New Haven, Conn.
Stearns E. C. & Co., 450 Oneida, Syracuse, N. Y.
Sterling Foundry Co. (For Concrete Walks), Sterling, Ill.
Weller Hdwe. & Fdry Co. (Cast), Horseheads, N. Y.
Williams A. C. Co., Ravenna, O.
Wrightsville Hardware Co., Wrightsville, Pa.

13110— Scrapers (Hog)

Brecht Co., 1201 Cass av, St. Louis, Mo.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Cincinnati Butchers Supply Co. (Revolving Belt), 2008 Central av, Cincinnati, O.
Hessler H. E. Co. (Reversible), Syracuse, N. Y.
Peck, Stow & Wilcox Co., Southington, Conn.
Rollman Mfg. Co. (Ltd.) (Flange), Mt. Joy, Pa.
Superior Sheet Metal Works Co. (Double End), 3201 Roosevelt av, Indianapolis, Ind.
Troy File Works (Reversible), Troy, N. Y.
Vaughan & Bushnell Mfg. Co. ("V. & B." Sheet Steel), 2114 Carroll av, Chicago, Ill.
White L. & I. J. Co., 120 Columbia, Buffalo, N. Y.

13111—Scrapers (Ice Cream Can)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Giles & Nielsen Nickel Works, Troy, N. Y.
Maag August Co., 509 W Lombard, Baltimore, Md.
Miller A. P. Supply Co., Inc. ("Frijid"), 141 W 16th, New York
Stortz John & Son, 210 Vine, Phila, Pa.

Scrapers (Kettle)

See Scrapers, Pot & Kettle

13112—Scrapers (Machinists')

Anderson Bros. Mfg. Co. ("Anderson" Pneumatic), 1910 Kishwaukee, Rockford, Ill.
Disston Hy. & Sons (All Kinds), Tacony, Phila., Pa.

Scrapers (Miners')

See Miners' Needles & Scrapers

13113-4—Scrapers (Painters' & Paperhangers')

Allen A. & Co., 2001 Carpenter, Phila., Pa.
Bagshaw & Field, 445 N 5th, Phila., Pa.
Browne & Dowd Mfg. Co., Meriden, Conn.
Bullock Mfg. Associates, Springfield, Mass.
Cassady Fairbank Mfg. Co. (Painters' Wall, etc), 6126 S La Salle, Chicago, Ill.
Cattaraugus Cutlery Co. ("Cattaraugus"), Little Valley, N. Y.
McNiece Wm. & Son, 515 Cherry, Phila., Pa.
Meriden Cutlery Co., Meriden, Conn.
Ontario Knife Co., Franklinville, N. Y.
White Ira F. & Son Co., Bloomfield, N. J.

13115—Scrapers (Placer Dredging)

Taylor-Wharton Iron & Steel Co., High Bridge, N. J.

13116— Scrapers (Plate)

Cassady Fairbanks Mfg. Co. ("Foskett" Noiseless), 6126 S La Salle, Chicago, Ill.
Racine Iron & Wire Works, Racine, Wis.

13117—Scrapers (Pot & Kettle)

See also Chains, Pot

Browne & Dowd Mfg. Co. ("Gem"), Meriden, Conn.

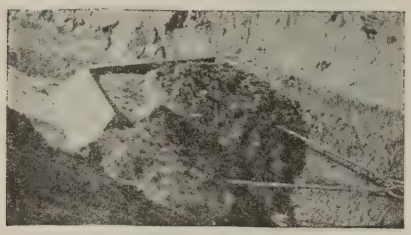
(Continued on following page)

Scrapers (Pot & Kettle)—Continued

Cassady Fairbank Mfg. Co. (Flexible, Ball Joint, "Buckeye"), 6126 S La Salle, Chicago, Ill.
Christy Knife Co. (Flexible), Fremont, O.
Kohler F. E. Co. (Flexible), Canton, O.
Rocky Hill Hardware Co., Rocky Hill, Conn.
Royal Mfg. Co., 406 Commerce, Phila., Pa.
Stortz John & Son, 210 Vine, Phila., Pa.
Vaughan Novelty Mfg. Co. ("Gem"), 711 Fulton, Chicago, Ill.

13117a—Scrapers (Power Drag)

Sauerman Bros. (The Sauerman Power Drag Scraper is made in three types, "Crescent," "Le Clair" and "Excavator," and in sizes from ¼ to 5 cu. yd. It is a one-man excavator, especially economical for moving material distances of 200 to 400 ft.), 458 S Clinton st, Chicago, Ill.
See adv index at end of book



Sauerman Power Drag Scraper

will do the work of a gang of wheelbarrow men or team scrapers in handling a small amount of material per day, or will take the place of expensive excavating and conveying equipment on a large proposition. In either case, a Sauerman Scraper will save you money.

Write for Pamphlet No. 24

SAUERMAN BROS.

458 South Clinton Street Chicago

13118—Scrapers (Road & Pavement)

Baker Mfg. Co. ("Baker Maney"), 555 Stanford av, Springfield, Ill.
See adv index at end of book
Gruendler Patent Crusher & Pulverizer Co., 912-928 N Main, St. Louis, Mo.
See adv index at end of book
Lay Jos. Co. (Steel Push), Ridgeville, Ind.
Midwest Engine Co. (Small), 19th & Martindale av, Indianapolis, Ind.
Northfield Iron Co., Northfield, Minn.
Toy W. M. & Co. (Automatic), 10 E Shelby, Sidney, O.
Western Wheeled Scraper Co. (Road), Aurora, Ill.

13119—Scrapers (Ship & Tree)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Chapin-Stephens Co., Pine Meadows, Conn.
Drew C. & Co., Kingston, Mass.
Laughlin Thos. Co. (& Yacht), 135 Fore, Portland, Me.
See adv index at end of book
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Marine Hardware Equipment Co., South Portland, Maine.
Metal Package Corp. of N. Y., 509 5th av, New York *See adv index at end of book*
Stortz John & Son, 210 Vine, Phila., Pa.
Vaughan & Bushnell Mfg. Co. ("V. & B."), 2114 Carroll av, Chicago, Ill.
White L. & J. J. Co., 120 Columbus, Buffalo, N. Y
Wilcox Crittenden & Co., Inc., 444 S Main, Middletown, Conn.
See adv index at end of book
Williams & Wells Co., 253 Fulton, New York *See adv index at end of book*

Scrapers (Sidewalk)

See Cleaners, Pavement

13119a—*Scrapers (Sleet)

Nuttall R. D. Co. (For Removing Sleet from Trolley Wires), McCandless & Harrison av, Pittsburgh, Pa.

13120-1—Scrapers (Snow, for Cars)

Gifford-Wood Co., Hudson, N. Y.
Root Spring Scraper Co. ("Root." Spring Scrapers), Kalamazoo, Mich.
St. Louis Car Co. (For Railroads), 8000 N B'way, St. Louis, Mo.

13122— Scrapers (Stove)

American Mfg. Co. ("No-Rust"), Chestnut & Water, Chattanooga, Tenn.
Auer John Jr. (Wrought Stove Flue), 197 Middleton, Brooklyn, N. Y.
Fanner Mfg. Co., Cleveland, O.
Lamson & Sessions Co., 2188 Scranton rd, Cleveland, O.
National Enameling & Stamping Co., 411 5th av, New York
Ohio Nut & Bolt Co., Berea, O.
Parker Wire Goods Co. (For Stove Flues), Worcester, Mass.
Wehrle Co., Newark, O.
Washburn Co. (Wire Goods Div.) (For Stove Flues), 28 Union, Worcester, Mass.

13123— Scrapers (Street)

Iwan Bros. ("Iwan" Snow), South Bend, Ind.
Rochester Can Co. ("Iron Horse" Galvanized), 89 Hague, Rochester, N. Y.
Toy W. M. & Co., 10 E Shelby, Sidney, O.

13124—Scrapers (Sweat, for Horses)

North & Judd Mfg. Co. ("Anchor Brand" Flexible), New Britain, Conn.

13124a— Scrapers (Track)

See also Cleaners, Track

COLONIAL SUPPLY CO., 217 Water, Pittsburgh, Pa.
See adv index at end of book

13124b— Scrapers (Tractor)

BAKER MFG. CO. (THE) ("Baker Maney" Self-loading), 555 Stanford av, Springfield, Ill.
See adv index at end of book

13125— Scrapers (Wall)

Bridgeport Hardware Mfg. Corp., 461 Irving av, Bridgeport, Conn.
Bullock Mfg. Associates, Springfield, Mass.
Gray Iron Foundry Co., Reading, Pa.
Hills Edwin, Plainville, Conn.
Jennings C. E. & Co. ("C. E. J. & Co.'s," "Clark's"), 71 Murray, New York
Kohler F. E. Co., Canton, O.
Ontario Knife Co., Franklinville, N. Y.
Reading Saddle & Mfg. Co., Reading, Pa.
Richard Stephen Co. ("S. R. Richard"), Southbridge, Mass.
SMITH & HEMENWAY CO., INC. ("Red Devil"), 261 H B'way, New York; 130 H Colt, Irvington, N. J.
See adv index at end of book
Stortz John & Son, 210 Vine, Phila., Pa.
Utility Mfg. Co. ("Ziegler," Four Edge), 11 N 6th, Phila., Pa.
White Ira F. & Son Co., Bloomfield, N. J.

13126-7— Scrapers (Wire)

Dicke Tool Co. ("Perry"), Downers Grove, Ill.
Sibley Pitman Electrical Corp. ("Climax"), 190 6th av, New York

Scratch Brushes (Wire)

See Brushes, Steel Wire

13128— Screen Door Sets

Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
Stanley Works, New Britain, Conn.
Wickwire Spencer Steel Corp., 41 E 42nd, York *See adv index at end of book*

13128a— Screens (Bagging)

Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Jelliff C. O. Mfg. Corp., Box 68, Southport, Conn.
Ross Wm. & Co. (Potato), 407H N Peoria, Chicago, Ill.

13129—Screens (Bank Counter)

Art Metal Construction Co., Jamestown, N. Y.
Bayer-Rothgeb Co., Slauson & Santa Fe avs, Los Angeles, Cal.
Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y. *See adv index at end of book*
California Artistic Metal & Wire Co. (Bronze), 349 7th, San Francisco, Cal.
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Dow Co., 201H N Buchanan, Louisville, Ky.
Gorham Co., Archl Bronze, 5th & 36th, New York
Polachek John Bronze & Iron Co., 476H Hancock, Long Island City, N. Y.
Scranton Iron & Steel Co., 1335 Capouse av, Scranton, Pa.
TYLER W. S. CO., Cleveland, O.
See adv index at end of book
Van Dorn Iron Works Co. (The), 2700 E 79th, Cleveland, Ohio
See adv index at end of book
Watson Mfg. Co. (Steel), Jamestown, N. Y.
West Coast Wire & Iron Works, 861 Howard, San Francisco, Cal.
Wisconsin Iron & Wire Wks., Milwaukee, Wis.

13130— Screens (Bar)

Erdle Perforating Co., 171 York, Rochester, N. Y. *See adv index at end of book*
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Savage W. J. Co., Knoxville, Tenn.
Scranton Iron & Steel Co., 1335 Capouse av, Scranton, Pa.

13131— Screens (Car)

Bennett Wire Co., Inc., 7 E 42nd, New York
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Erdle Perforating Co., 171 York, Rochester, N. Y. *See adv index at end of book*
Nedrow Mfg. Co., Caledonia, N. Y.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Scranton Iron & Steel Co., 1335 Capouse av, Scranton, Pa.
Smith F. P. Wire & Iron Wks. (Bunker & Ice Basket Nettings), 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Watson Mfg. Co., Jamestown, N. Y.

13132—Screens (Clay & Cement)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept. H, 14th & State, Chicago Heights, Ill.
Anderson Foundry & Machine Works (Revolving), Anderson, Ind.
Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Bodinson Mfg. Co., 11 Minna, San Francisco, Cal.
Cleveland Wire Cloth & Mfg. Co. (Cement Cloth, 3574 E 78th, Cleveland, O.
See adv index at end of book
Cross Engineering Co., Carbondale, Pa.
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Diamond Mfg. Co. ("Diamond"), Wyoming, Pa.
Dunlap Mfg. Co., Bloomington, Ill.
ERDLE PERFORATING CO., 171 York, Rochester, N. Y.
See adv index at end of book
Fernholtz Machinery Co., 2053 E 38th, Los Angeles, Cal.
See adv index at end of book
Hadfield-Penfield Steel Co. (The), Bucyrus, O. *See adv index at end of book*
Howard & Morse, 45 Fulton, New York
Industrial Supply Co., Keokuk, Ia.
International Clay Machinery Co., Dayton, O.
Johnston & Chapman Co., 2925 Carroll av, Chicago, Ill.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Littleford Bros., 444 E Pearl, Cincinnati, O.
See adv index at end of book
Louisville Machine Mfg. Co., Louisville, Ohio.
LUDLOW-SAYLOR WIRE CO., 600-640 S Newstead av, St. Louis, Mo.
See adv index at end of book
Manufacturers' Equipment Co., Dayton, O.
Multi-Metal Separating Screen Co. (Double Crimped Cement), 801 E 139th, New York
National Engineering Co., 549 W Washington blvd, Chicago, Ill.
Newark Wire Cloth Co., 223 Verona av, Newark, N. J.
Nortmann-Duffke Co., 1233 27th av, Milwaukee, Wis.
See adv index at end of book
Peerless Wire Goods Co., Lafayette, Ind.
Scranton Iron & Steel Co., 1335 Capouse av, Scranton, Pa.
Seibel-Suessdorf Copper & Iron Mfg. Co., 2nd & Lombard, St. Louis, Mo.
Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.
Traylor Engng. & Mfg. Co. (Cement), Allentown, Pa.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

Screens (Coal)

See Screens, Sand, Coal & Gravel; also Screens, Revolving & Shaking

13133— Screens (Cylindrical)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept. H, 14th & State, Chicago Heights, Ill.
Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Bodinson Mfg. Co., 11 Minna, San Francisco, Cal.
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago, Ill.
Case J. I. Threshing Machine Co. (for rock), Racine, Wis.
Conveyor Co., 140 W Elmyra, Los Angeles, Cal.
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Erdle Perforating Co., 171 York, Rochester, N. Y. *See adv index at end of book*
Hendrick Mfg. Co., Carbondale, Pa.
Howard & Morse, 45 Fulton, New York
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*

Johnston & Chapman Co. ("John O'Laughlin's" Revolving), 2925 Carroll av, Chicago, Ill.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Nortmann Duffke Co., 1233 27th av, Milwauke, Wis.
See adv index at end of book
Savage W. J. Co., Knoxville, Tenn.
Scranton Iron & Steel Co., 1335 Capouse av, Scranton, Pa.
Seibel-Suessdorf Copper & Iron Mfg. Co., 2d & Lombard, St. Louis, Mo.
Stephens-Adamson Mfg. Co. ("S.-A"), Aurora, Ill.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. ***See adv index at end of book***
William A. Box Iron Works Co., 3309 Blake, Denver, Colo.

13134— Screens (Decorative)

Aeroshade Co., Waukesha, Wis.
Burrowes E. T. Co. (Folding), 68 Free, Portland, Me.
Lamb Geo. L. (Folding, etc), Nappanee, Ind.
Syracuse Screen & Grille Co. (Folding, etc), North Manchester, Ind.

13135-6—Screens (Diaphragm)

Baker Mfg. Corp. ("Monarch" for Paper Mills), Saratoga Springs, N. Y.
Harmon C. A. & Sons ("Harmon" for Paper Mills), Watertown, N. Y.

Screens (Door)

See Screens, Window & Door

13137-8 — Screens (Fat & Bone Washing, Etc.)

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

13139— Screens (Filter)

Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
LUDLOW-SAYLOR WIRE CO., 600-640 S Newstead av, St. Louis, Mo.
See adv index at end of book
Newark Wire Cloth Company, 223 Verona av, Newark, N. J.
Standard Wire Co. ("Danck" for Sugar Plants), New Castle, Pa.
Wayte W. J., Inc. (Dirs.), 5844 Grand Central Terminal, New York.

Screens (Fire Place)

See Fire Place Furnishings

13140— Screens (Fish)

Burpee & Letson, Ltd. ("Rowley" for Irrigated Ditches)' Bellingham, Wash.
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book

13141—Screens for Water Works

Coldwell-Wilcox Co. (For Purifying Water), Newburgh, N. Y.
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Howard & Morse, 45 Fulton, New York

13142— Screens (Foundry)

Allis Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Belmer H. Co., 628 W 3d, Cincinnati, O.
Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y.
See adv index at end of book
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Diamond Mfg. Co. ("Diamond"), Wyoming, Pa.
Howard & Morse, 45 Fulton, New York
Meyers Fred. J. Mfg. Co., Hamilton, O.
National Engineering Co., 549 W Washington blvd, Chicago, Ill.
Nortmann-Duffke Co., 1233 27th av, Milwaukee, Wis.
See adv index at end of book
Paxson J. W. Co., Dept. H, Nicetown lane & D, Phila., Pa.
Standard Sand & Machine Co., 5150 St. Clair av, Cleveland, O.
Stephens-Adamson Mfg. Co. ("S.-A."), Aurora, Ill.

13143—Screens (Gravel Washing)

Allis Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Beckley Perforating Co. (Triple, for Sand & Gravel), Garwood, N. J.
Blesanz Stone Co., Winona, Minn.
BODINSON MFG. CO., 11 Minna, San Francisco, Cal.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Ellicott Machine Corp., 1111 Bush, Baltimore, Md. *See adv index at end of book*
Erdle Perforating Co., 171 York, Rochester, N. Y. *See adv index at end of book*
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Littleford Bros. 444 E Pearl, Cincinnati, O.
See adv index at end of book
Peerless Wire Goods Co. (Wire), Lafayette, Ind.
Seibel-Suessdorf Copper & Iron Mfg. Co., 2d & Lombard, St. Louis, Mo.
Stephens-Adamson Mfg. Co. ("S.-A."), Aurora Ill.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. ***See adv index at end of book***

13144— Screens (Gravity)

Holmes Robt. & Bros. (For Coal Mines), Danville, Ill.
Link-Belt Company, 300 W. Pershing rd, Chicago, Ill. *See adv index at end of book*
Savage W. J. Co., Knoxville, Tenn.
Stephens-Adamson Mfg. Co. ("S.-A."), Aurora, Ill.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. ***See adv index at end of book***
William A. Box Iron Works Co., 330 Blake, Denver, Colo.

13144a— Screens (Grizzly)

Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago
See adv index at end of book
ROBINS CONVEYING BELT CO. (Rotary for Coal, Coke & Rock), 15 Park Row, New York *See adv index at end of book*
Stephens-Adamson Mfg. Co. ("S.-A."), Aurora, Ill.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. ***See adv index at end of book***

13144b—Screens (Insect Wire)

(Names with * also manufacture Monel Metal)
Conklin Brass & Copper Co. T. E., 54-60 Lafayette, New York
See adv index at end of book
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Kane Mfg. Co. ("Kane Quality" Rustless Window & Door), Kane, Pa.
*Michigan Wire Cloth Co., 2129 Howard, Detroit, Mich.
Nedrow Mfg. Co., Caledonia, N. Y.
Victor Partingbead Co., Mt. Penn Trust bldg, Reading, Pa.
Watson Mfg. Co. ("20th Century"), Jamestown, N. Y.
*Whitehead Metal Products Co., 261 Canal, New York
*Wickwire Spencer Steel Corp., Worcester, Mass.

13144c—Screens (Laboratory)

Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Mine & Smelter Supply Co., Denver, Colo.
Multi Metal Co., Inc., 801 E 139th, New York
Newark Wire Cloth Co., 223 Verona av, Newark, N. J.
Sturtevant Mill Co., Clayton & Park, Dor., Boston, Mass.
Walstad Machine Co., 1005 East D, Tacoma, Wash.
Wickwire Spencer Steel Corp., 41 E 42nd, York *See adv index at end of book*

13145—Screens (Manganese Steel)

Taylor-Wharton Iron & Steel Co., High Bridge, N. J.

13146— Screens (Mining)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept. H, 14th & State, Chicago Heights, Ill.
Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Belmer H. Co., 628 W 3d, Cincinnati, O.
Bodinson Mfg. Co., 11 Minna, San Francisco, Cal.
Brainard Patent Pulverizer Co., Old Colony bldg, Chicago, Ill.
Brown Hoisting Machinery Co. (The), 4403 St. Clair N E, Cleveland, Ohio
See adv index at end of book
BUFFALO WIRE WORKS CO., 453 Terrace, Buffalo, N. Y.
See adv index at end of book
California Perforating Screen Co., 416 Harrison, San Francisco, Cal.
Chalmers-Williams Mfg. Co., 1461 Arnold, Chicago Heights, Ill.
City Boiler & Machine Co., 511 N 4th, Kansas City, Mo.
CLEVELAND WIRE CLOTH & MFG. CO. (Specialty & Heavy Grade), 3574 E 78th, Cleveland, O.
See adv index at end of book
Colorado Iron Works Co., Denver, Col.
Columbiana Boiler Co., Columbiana, O.
Connellsville Machine & Car Supply Co., Connellsville, Pa.
Cross Engineering Co., Carbondale, Pa.
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Denver Eng. Works Co., Denver, Colo.
Diamond Mfg. Co. ("Diamond"), Wyoming, Pa.
Eagle Iron Works, Des Moines, Ia.
Eagle Iron Works Co. (Shaking, etc), Terre Haute, Ind.
Eccleston Machinery Co., 162 S Anderson, Los Angeles, Cal.
Erdle Perforating Co., 171 York, Rochester, N. Y. *See adv index at end of book*
Fairmont Mining Machinery Co., Fairmont, W. Va.
Galena Iron Works Corp. ("Trommell"), Galena, Ill.
Hallidie Co. (Revolving), Spokane, Wash.
Helmick Foundry & Machine Co., Fairmont, W. Va.
Hendrick Mfg. Co., Carbondale, Pa.
Hendrie & Bolthoff Mfg. & Supply Co. ("Bunker Hill"), Denver, Colo.
Howard & Morse, 45 Fulton, New York
Hunt E. H. & Co. (Coal, etc), Wilkes-Barre, Pa.
Laubenstein Mfg. Co., Ashland, Pa.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Littleford Bros., 444 E Pearl, Cincinnati, Ohio. ***See adv index at end of book***
Lucas A. & Sons (Shaking), 1329 S Washington, Peoria, Ill.
LUDLOW-SAYLOR WIRE CO., 600-640 S Newstead av, St. Louis, Mo.
See adv index at end of book
McFarlane Mfg. Co., Denver, Colo.
Marion Mach Fdry. & Supply Co., Marion, Ind.
Mecklenburg Iron Works, Charlotte, N. C.
Meyers Fred. J. Mfg. Co., Hamilton, O.
MICHIGAN WIRE CLOTH CO., 2100 Howard, Detroit, Mich.
See adv index at end of book
Morse Bros. Machinery & Supply Co. ("Wild"), 1732 Wazee, Denver, Colo.
Multi-Metal Co., 801 E 139th, New York
Mundt Chas. & Sons, 53 Fairmount av, Jersey City, N. J.
Newark Wire Cloth Co., 223 Verona av. Newark, N. J.
Nortmann-Duffke Co., 1233 27th av, Milwaukee, Wis.
See adv index at end of book
Remaly Mfg. Co., Tamaqua, Pa.
Savage W. J. Co., Knoxville, Tenn.
Scranton Iron & Steel Co., 1335 Capouse av, Scranton, Pa.
Seibel-Suessdorf Copper & Iron Mfg. Co., 2d & Lombard, St. Louis, Mo.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Southwest Wire & Iron Works Co., 1722 Tracey, Kansas City, Mo.
Stephens-Adamson Mfg. Co. ("S.-A."), Aurora, Ill.
Sturtevant Mill Co., Clayton & Park, Dorchester, Boston, Mass.
Traylor Engrg. & Mfg. Co., Allentown, Pa.
TYLER W. S. CO., Cleveland, O.
See adv index at end of book
United Iron Works, Inc., Kansas City, Mo.
Vulcan Iron Works, Wilkes-Barre, Pa.
Webb City & Carterville Foundry & Machine Works ("Henry," Ore Sizing), Webb City, Mo.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. ***See adv index at end of book***
West Pittston Screen Works (Wire Coal Screens), West Pittston, Pa.
Wickwire Spencer Steel Corp., 41 E 42nd, York *See adv index at end of book*
William A. Box Iron Works Co., Denver, Colo.
Worthington Pump & Machy. Corp., 11 B'way, New York

13146a—Screens (Outdoor Sleeping Room)

Nedrow Mfg. Co., Caledonia, N. Y
Watson Mfg. Co., Jamestown, N. Y.

13146b— Screens (Oyster)

Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Jelliff C. O. Mfg. Corp., Box 68, Southport, Conn.

13147—Screens (Paper Mill)

Baker Mfg. Corp. (Centrifugal), Saratoga Springs, N. Y.
Bird Machine Co. ("Bird" Rotary), East Walpole, Mass.
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Harmon C. A. & Son, Watertown, N. Y.

(Continued on following page)

KENNEDY VAN SAUN MANUFACTURING AND ENGINEERING CORPORATION

50 Church Street NEW YORK, N. Y.

Crushing, Mining, Cement, Screening, Elevating, Conveying, and Transmission Machinery

THE KENNEDY SCREEN



"UNEQUALLED"

Screens (Paper Mill)—Continued

Improved Paper Machinery Co., Nashua, N. H.
Jolly J. & W. (Inc.) ("White," Oscillating), Holyoke, Mass.
Moore & White Co. ("M & W" Rotary), N 15th & Lehigh av, Phila, Pa.
Rice, Barton & Fales, Inc. ("Quiller" Pulp & "Troctscher" Knot), 65 Taintor, Worcester, Mass.
Ryther & Pringle Co. (Balanced Shaker Chip), Carthage, N. Y.
Waterville Iron Works (Pulp Wood Chip Screen), Waterville, Me.

13148—Screens (Perforated, for Coal, Etc.)

Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Brown Hoisting Machinery Co. (The), 4403 St. Clair N E, Cleveland, Ohio
See adv index at end of book
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Diamond Mfg. Co. ("Diamond"), Wyoming, Pa.
HARRINGTON & KING PERFORATING CO., 5638 Fillmore, Chicago, Ill.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
Knoxville Foundry & Machine Co., Knoxville, Tenn.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Littleford Bros. (Metal), 444 E. Pearl, Cincinnati, Ohio.
See adv index at end of book
Nortmann-Duffke Co., 1233 27th av, Milwaukee, Wis.
See adv index at end of book
Stephens-Adamson Mfg. Co. ("S.-A."), Aurora, Ill.

13149— Screens (Porch)

Nedrow Mfg. Co., Caledonia, N. Y.
Victor Parting Bead Co. ("Victor"), 128 Washington, Reading, Pa.
Watson Mfg. Co., Jamestown, N. Y.

13150— Screens (Projection)

De Vry Corp., 1111 Center, Chicago, Ill.
Flagg Edwin H. Studios, 1638 Long Beach av, Los Angeles, Cal.
Masterlite Screen Co., 1016 W 39th, Los Angeles, Cal.
Minusa Cine Screen Co., 2665 Morgan, St. Louis, Mo.
New York Studios, 338 W 39th, New York
Williams Brown & Earle, 918 Chestnut, Phila., Pa.

13151—Screens (Revolving Water)

Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Hunt Rodney Mach. Co., Orange, Mass.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Littleford Bros., 444 E Pearl, Cincinnati, Ohio *See adv index at end of book*
Kennedy Van Saun Manufacturing and Engineering Corporation, New York, N. Y.
Sandy Hill Iron & Brass Works, Hudson Falls, N. Y.

13152—Screens (Revolving & Shaking)

Acme Road Machinery Co., Frankfort, N. Y.
Allis Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept. H, 14th & State, Chicago Heights, Ill.
American Road Machinery Co. ("Champion"), Kennett Square, Pa.
Austin Mfg. Co., 400 N Michigan av, Chicago, Ill.
BARTLETT & SNOW CO. C. O. ("Triumph" Revolving for Coal, Rock, Sand & Gravel, etc), 6350 Harvard av, Cleveland, O.
See adv index at end of book
Beckley Perforating Co. (Perforated Metal, for All Purposes), Garwood, N. J.
Bonnot Co. (Clay Working), 722 Mulberry rd S E, Canton, O.
Brainard Patent Pulverizer Co., Old Colony bldg, Chicago, Ill.
Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y.
See adv index at end of book
Chain Belt Co., Milwaukee, Wis.
See adv index at end of book
Construction Machinery Co., 113 Vinton, Waterloo, Iowa.
Conveyor Co., 140 W Elmyra, Los Angeles, Cal.
Cross Engineering Co., Carbondale, Pa.
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Day J. H. Co. (Sands, Clay, etc.), Cincinnati, O.
Diamond Mfg. Co. ("Diamond"), Wyoming, Pa.
Duncan Foundry & Machine Works, Alton, Ill.
Eagle Iron Works, Des Moines, Ia.
Eagle Iron Works Co., Terre Haute, Ind.
Excavating & Screening Machinery Co. ("E. S." for Handling Sand, Gravel & Crushed Rock), 693 Raymond av, St. Paul, Minn.
Fairmont Mining Machy Co., Fairmont, W. Va.
Fernholtz Machinery Co., 2053 E 38th, Los Angeles, Cal.
See adv index at end of book
Haiss Geo. Mfg. Co. (Revolving Only), 369 Rider, New York
Hallidie Co., Spokane, Wash.
Harrington & King Perforating Co., 614 N Union av, Chicago, Ill.
Helmick Fdry & Mach. Co., Fairmont, W. Va.
Hendrick Mfg. Co. (Revolving Only), Carbondale, Pa.
Herzler & Henninger Machine Works, Belleville, Ill.
Hesse-Ersted Iron Works, E 8th & Taylor, Portland, Ore.
Holmes & Blanchard Co., 928 Broadway, Boston, Mass.
Holmes Robert & Bros., Danville, Ill.
Howard & Morse, 45 Fulton, New York
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
Johnston & Chapman ("John O'Loughlins" Co.), 2925 Carroll av, Chicago, Ill.
KENNEDY VAN SAUN MFG. & ENG. CORP. (Trommels, Pulsating), 50 Church, New York
See adv index at end of book
Knoxville Foundry & Machine Co., Knoxville, Tenn.
LINK-BELT COMPANY ("Link-Belt" for Coal, Phosphate, etc.), 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Littleford Bros., 444 E. Pearl, Cincinnati, Ohio. *See adv index at end of book*
Lucas A. & Sons (Shaking), 1329 South Washington, Peoria, Ill.
LUDLOW-SAYLOR WIRE CO. (Revolving), 600-640 S Newstead av, St. Louis, Mo. *See adv index at end of book*
Meyers Fred. J. Mfg. Co., Hamilton, O.
Montgomery Coal Washing & Mfg. Co., Birmingham, Ala.
Morrow Mfg. Co. ("Independent" Shaker Screen), Wellston, O.
Mundt Chas. & Sons, 53 Fairmount av, Jersey City, N. J.
Newark Wire Cloth Co., 357-371 Verona av, Newark, N. J.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Nortmann-Duffke Co., 1233 27th av, Milwaukee, Wis.
See adv index at end of book
Ottumwa Box Car Loader Co. ("Ottumwa" Mine), Ottumwa, Ia.
Pyott Co., 1401 W North av, Chicago, Ill.
ROBINS CONVEYING BELT CO. ("Grasshopper"), 15 Park Row, New York
See adv index at end of book
Sackett H. B. Screen & Chute Co., 1691 Elston av, Chicago, Ill.
Savage W. J. Co., Knoxville, Tenn.
Seibel-Suessdorf Copper & Iron Mfg. Co., 2d & Lombard, St. Louis, Mo.
Smith Engineering Works, 1154 32nd, Milwaukee, Wis.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Stearns Conveyor Co., St. Clair & E 200th, Cleveland, Ohio
Steel & Condit ("Condit," Roller Bearing Revolving), 74 Pearl, Jersey City, N. J.
Stephens Adamson Mfg. Co. ("S.-A" Revolving), Aurora, Ill.
Sturtevant Mill Co. (Vibrating), Clayton & Park, Boston, Mass.
Traylor Engng. & Mfg. Co., Allentown, Pa.
United Iron Works, Inc., Kansas City, Mo.
Universal Road Machinery Co., Kingston, N. Y.
Vulcan Iron Works, Wilkes-Barre, Pa.
Walker & Elliott ("For Fertilizing Material"), Wilmington, Del.
WEBSTER MFG. CO., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.
Western Wheeled Scraper Co., Aurora, Ill.
William A. Box Iron Works Co., 3309 Blake, Denver, Colo.

13153—Screens (Roller Window)

Disappearing Roller Screen Co. ("Inviso"), 2544 W Pico, Los Angeles, Cal.
Nedrow Mfg. Co., Caledonia, N. Y.
Rust Proof Roller Window Screen Co., Clyde, O.
Watson Mfg. Co. (Metal), Jamestown, N. Y.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

13154— Screens (Rolling)

Allis-Chalmers Mfg. Co. (Flour Mill), Milwaukee, Wis.
See adv index at end of book
Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago, Ill.
Johnston & Chapman Co., 2925 Carroll av, Chicago, Ill.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Stephens-Adamson Mfg. Co. ("S.-A."), Aurora, Ill.

13155— Screens (Rotary)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Austin Mfg. Co., 400 N Michigan av, Chicago, Ill.
Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Bird Machine Co. ("Bird" for Paper Mills), East Walpole, Mass.
Black-Clawson Co. ("Lamont"), Hamilton, Ohio
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago, Ill.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Dow Co. (Sand), 201H N Buchanan, Louisville, Ky.
Johnston & Chapman Co. 2925 Carroll av, Chicago, Ill.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
Lansing Co. ("Converse" for Building Materials), Lansing, Mich.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Nortmann-Duffke Co., 1233 27th av, Milwaukee, Wis.
See adv index at end of book
Stearns Conveyor Co., E 200th & St. Clair, Cleveland, O.
Stephens-Adamson Mfg. Co. ("S.-A." Stone Screening), Aurora, Ill.
Traylor Engrg. & Mfg. Co., Allentown, Pa.
United Iron Works, Kansas City, Mo.
Universal Crusher Co., Cedar Rapids, Ia.
Voith J. M. Co., Inc., 30 Church, New York
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.

Screens (Safe Deposit)

See Screens, Bank Counter

13156—Screens (Sand, Coal & Gravel)

Acme Road Machinery Co., Frankfort, N. Y.
Allis-Chalmers Mfg. Co. (Sand & Gravel), Milwaukee, Wis.
See adv index at end of book
Austin Mfg. Co., 400 N Michigan av, Chicago, Ill.
Barbee Wire & Iron Works, 111 Washington, Chicago, Ill., & Lafayette, Ind.
Barker S. G. & Son (Coal Only), Providence rd, Scranton, Pa.
Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Beach Mfg. Co. ("Ever Clean"), Charlotte, Mich.
Belmer H. Co., 628 W 3d, Cincinnati, O.
Bigelow Cheney Wire Works, 417 Liberty, Springfield, Mass.
Brown Hoisting Machinery Co. (The), 4403 St. Clair N E, Cleveland, Ohio
See adv index at end of book
BUFFALO WIRE WORKS CO., 453 Terrace, Buffalo, N. Y.
See adv index at end of book
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago, Ill.
California Perforating Screen Co., 416 Harrison, San Francisco, Cal.
Card C. S. Iron Works Co., 2501 W 16th, Denver, Col.
Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Cement Tile Machinery Co. ("S. & S." Revolving for Sand & Gravel), Waterloo, Ia.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Chalmers-Williams Mfg. Co. (Sand & Gravel), 1461 Arnold, Chicago Heights, Ill.
Chattanooga Boiler & Tank Co., 1011 E Main, Chattanooga, Tenn.
CLEVELAND WIRE CLOTH & MFG. CO., 3574 E 78th, Cleveland, O.
See adv index at end of book
Construction Machinery Co., 113 Vinton, Waterloo, Iowa.
Conveyor Co., 140 W Elmyra, Los Angeles, Cal.
Converse F. S. Co. (Rotary), Johnson City, N. Y.
Cross Engineering Co., Carbondale, Pa.
DARBY EDW. J. & SON, 319 Vine, Phila., Pa.
See adv index at end of book
Diamond Mfg. Co. ("Diamond"), Wyoming, Pa.
Dufur & Co., 311 N Howard, Baltimore, Md.
Eagle Iron Works (Coal Only), Des Moines, Ia.
Erdle Perforating Co., 171 York, Rochester, N. Y. *See adv index at end of book*
Ellicott Machine Corp., 1111 Bush, Baltimore, Md. *See adv index at end of book*
FERNHOLTZ MACHINERY CO., 2053 E 38th, Los Angeles, Cal.
See adv index at end of book
Foote J. B. Foundry Co., Fredericktown, Ohio
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
HARRINGTON & KING PERFORATING CO., 5638 Fillmore, Chicago, Ill.
Helmick Fdry & Mach. Co., Fairmount, W. Va.
Howard & Morse, 45 Fulton, New York
Inglis Wm. Wire & Iron Wks., 960 Harper, Detroit, Mich.
Jelliff G. O. Mfg. Corp., Box 68, Southport, Conn.
Johnston & Chapman Co., 2925 Carroll av, Chicago, Ill.
Lansing Co., Lansing, Mich.
Koller E. L. Mfg. & Coal Chute Co. (Coal Only), 276 Sussex av, Newark, N. J.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Littleford Bros., 444 E Pearl, Cincinnati, Ohio. *See adv index at end of book*
Lucas A. & Sons (Coal Only), 1329 S Washington, Peoria, Ill.
LUDLOW-SAYLOR WIRE CO., 600-640 S Newstead av, St. Louis, Mo.
See adv index at end of book
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.
Meyers Fred. J. Mfg. Co., Hamilton, O.
MICHIGAN WIRE CLOTH CO., 2100 Howard, Detroit, Mich.
See adv index at end of book
Morss & Whyte Co., Sidney & Pilgrim Cambridge, Mass.
Mundt Chas. & Sons, 53 Fairmount av Jersey City, N. J.
Newark Wire Cloth Co., 223 Verona av, Newark, N. J.
Nichols E. M. ("Nichols"), 212 W Washington sq., Phila., Pa.
Northwestern Steel & Iron Wks., Eau Claire, Wis.
Pacific Wire & Plating Works, 4515 6th av, So., Seattle, Wash.
Peerless Wire Goods Co., Lafayette, Ind.
Phillips. Doup & Co., 60 Pearl, Brooklyn, N. Y.
Plocher Andrew Sons Co., Dayton, O.
Portland Wire & Iron Wks., 294 2d, Portland, Ore.
Roberts & Schaefer Co. ("Kelly" Horizontal Coal), 1110 Wrigley bldg, Chicago, Ill.
Sackett H. B. Screen & Chute Co., 1691 Elston av, Chicago, Ill.
Savage W. J. Co., Knoxville, Tenn.
Seibel-Suessdorf Copper & Iron Mfg. Co., 2d & Lombard, St. Louis, Mo.
Smith Engineering Works, 1154 32nd, Milwaukee, Wis.
Smith F. P. Wire & Iron Wks., 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Smith John P. & Co., New Haven, Conn.
South Side Fdry. & Mach. Works, Charlestown, W. Va.
Southwest Wire & Iron Works Co., 1722 Tracey, Kansas City, Mo.
Spokane Culvert & Tank Co., Spokane, Wash.
STEARNS CONVEYOR CO., St. Clair & E 200th, Cleveland, Ohio
Steel Basket Co., Cedar Rapids, Ia.
Stephens-Adamson Mfg. Co. ("S.-A."), Aurora, Ill.
Stimpson Equipment Co. ("Mitchell" Electric), Felt bldg, Salt Lake City, Utah.
Success Mfg. Co., Gloucester, Mass.
Syracuse Wire Works, 101 University av, Syracuse, N. Y.
Taylor & Dean, Penn av & 25th, Pittsburgh, Pa.
TYLER W. S. CO., Cleveland, O.
See adv index at end of book
Union Steel Products Co. (Ltd.), ("Union" Sand & Gravel), Albion, Mich.
Universal Crusher Co., Cedar Rapids, Ia.
Vulcan Iron Works, Wilkes-Barre, Pa.
WEBSTER MFG. CO., 4500-60 Cortland, *See adv index at end of book*
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.
What Cheer Wire Works, 157 Dorrance, Providence, R. I.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
William A. Box Iron Works Co., 3309 Blake, Denver, Colo.
Wisconsin Iron & Wire Wks., Milwaukee, Wis.

13157— Screens (Sewage)

Bennett Wire Co., Inc., 7 E 42nd, New York
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

13158—Screens (Steam Pipe Covering)

Tuttle & Bailey Mfg. Co., 2 W 45th, New York

Screens (Stone)

See Screens, Revolving & Shaking

13159— Screens (Suction)

Bennett Wire Co., Inc., 7 E 42nd, New York
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Sandy Hill Iron & Brass Works ("Packers" Diaphragm for Paper Mills), Hudson Falls, N. Y.

13159a— Screens (Sugar)

Bennett Wire Co., Inc., 7 E 42nd, New York
Cleveland Wire Cloth & Mfg. Co., 3574 E 78th, Cleveland, O.
See adv index at end of book
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
HARRINGTON & KING PERFORATING CO., 5638 Fillmore, Chicago, Ill.
Multi-Metal Co. (Beet), 801 E 139th, New York.
Mundt Chas. & Sons, 53H Fairmount av, Jersey City, N. J.
Wayte W. J., Inc. (Dlrs), 5844 Grand Central Terminal, New York.

Screens (Threshing)

See Separators Grain

13160-1—Screens (Traveling Belt)

13162— Screens (Vibrating)

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
National Engineering Co., 549 W Washington blvd, Chicago, Ill.
Stimpson Equipment Co. ("Mitchell" Electric), Felt bldg, Salt Lake City, Utah.
STURTEVANT MILL CO., Clayton & Park, Dorchester, Boston, Mass.
Tyler W. S. C. (Inclined), Cleveland, Ohio
See adv index at end of book

13162a—Screens (Vibrating, Electric)

Hunt C. W. Co., West New Brighton, N. Y.
See adv index at end of book

13163— Screens (Well)

Carbo Corp. Steel Poducts Co., 2600 W 111th Morgan Park Station, Chicago, Ill.
Johnson E. E. ("Johnson"), St. Paul, Minn
Layne & Bowler Corp., 900 Santa Fe av, Los Angeles, Cal.
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
Stancliff Well Screen & Mfg. Co., Houston, Tex.

13164— Screens (Window, Metal Frame)

Acme Metal Mfg. Co., 1211 Clybourn, Chicago, Ill.
American Screen Co., Brookline, Mass.
Baker W. J. Co., Newport, Ky.
Bartlett W. W., Leominster, Mass.
Central Metal Products Co. ("C. M. P."), Canton, Ohio
Cincinnati Mfg. Co. ("Cin-Man-Co."), Cincinnati, O.
Columbus Iron Works (Wholesale Mfrs.), Columbus, Ga.
Continental Co. ("Continental," "Philadelphia," "Porter," "Washash," "Queen Anne," "Phillips," "Sherwood"), 2-126 General Motor bldg, Detroit, Mich.
Geneva Mfg. Co. ("Steinfeld"), Geneva, Ill.
Higgin Mfg. Co., Newport, Ky.
Metallic Screen Co. (Adjustable), Collins, Wis.
Milliken-Kellam Co., Newton, N. J.
Nedrow Mfg. Co., Caledonia, N. Y.
Peerless Steel Shuttler Co., Lyrie bldg, Richmond, Va.
Perkins Mfg. Co. (Vertical Slide to order Only), 1821 University av, St. Paul Minn. *See adv index at end of book*
Rollaway Screen Co., ("Roll-a-way" Metal), Burlington, Vt.
Sherwood Metal Working Co., Syracuse, N. Y.
Sidney Specialty & Novelty Co., Sidney, N. Y.
Snow Franklin A. Co., 79 Milk, Boston, Mass.
Watson Mfg. Co. (Bronze & Steel), Jamestown, N. Y.

13165—Screens (Window & Door)

(Names with * also manufacture Monel Metal)

Acme Safety Window & Screen Co. ("Calleson"), 77 O'Farrell, San Francisco, Cal.
Adams & Kelly Co., Omaha, Neb.
Agee Screen Co., Ft. Worth, Tex.
American Sash & Door Co. (Wholesale Mfrs.), 16th & Bellefontaine, Kansas City, Mo.
American Screen Co. (Wholesale Mfrs.), Brookline, Mass.
Am. Screen Mfg. Co. (Made to Order), 1810 Lydia av, Kansas City, Mo.
Amos Chas. & Co., Inc., 3000 Hart av, Detroit, Mich.
Automatic Tension Screen Co., 1561 W 61st, Los Angeles, Cal.
Baker W. J. Co., Newport, Ky.
Bennett Wire Co., Inc., 7 E 42nd, New York
Bostwick-Goodell ("Victoria"), Norwalk, Ohio
Burlington Venetian Blind Co., Burlington, Vt.
Burrowes E. T. Co. (Wood & All-Metal Screens, Insect), 68 Free, Portland, Me.
*California Door Co., The, 43 Main, San Francisco, Cal.
Carr, Ryder & Adams Co., Dubuque, Ia.
Carr & Baal Co., Des Moines, Ia
Carter Mfg. Co., Keokuk, Ia.
Cincinnati Fly Screen Co., Cincinnati, O.
Cincinnati Mfg. Co. (Metal to Order Only), Cincinnati, O.
Continental Co. (Metal & Wood, Wholesale Mfrs.), 2-126 General Motor bldg, Detroit, Mich.
Curtis & Yale Co. (Wholesale Mfrs.), Wausau, Wis.
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Disappearing Roller Screen Co., 2544 W Pico, Los Angelese, Cal.
Duncan D. D. & Co., E 58th at Central av, Los Angeles, Cal.
Duner-Matheny Sash & Door Co., 4208 E 14th, Oakland, Cal.
Everhard Mfg. Co., 317 Schroyer av S W, Canton, O.
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Fish A. E. & Co., Keene, N. H.
Fli-Bac Screen Corp. ("Fli-Bac" Window), H Circle, Rochester, N. Y.
Freeman Chas. A. Mfg. Co. (Sliding), 294 Washington, Boston, Mass.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Glendale Mill Co., Glendale, Cal.
Gordon, Vantine Co., Davenport, Ia.
Grand Rapids Lumber Co., Grand Rapids, Mich.
Grand Rapids Screen Co., Grand Rapids, Mich.
Graves F. Sash Door & Mill Co., 2000 Pasadena av, Los Angeles, Cal.
*Henderson Mfg. Co., The, Washington, D. C.
Hepburn Mill Co., 176 E Slauson av, Los Angeles, Cal.
Higgin Mfg. Co. (Metal), Newport, Ky
Hillsdale Screen Co., Hillsdale, Mich.

(Continued on following page)

Screens (Window & Door)—Cont.

Hipolito Screen & Sash Co., Los Angeles, Cal.
Huebner Screen Door Co., 1961 Farnsworth, Detroit, Mich.
Huttig Mill Wks. Co. (Wholesale Mfrs.), Kansas City, Mo.
Ideal Mfg. Co. ("Ideal Windows" with Disappearing Sliding Screens), 6823 Santa Monica blvd, Los Angeles, Cal.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Kane Blind & Screen Co. (Rustless), Kane, Pa.
Kane Mfg. Co., Dept. H, Kane, Pa.
Koehl J. W. & Son, 658 S Anderson, Los Angeles, Cal.
Kramer-Bissell Co. Inc., 6259H Duwamish av, Seattle, Wash.
*Lidseen, Gustave, 830 S Central av, Chicago
Lookout Planing Mills, E Main, Chattanooga, Tenn.
*Lorenzen Co. Chas. F., 105 N Clark, Chicago
Los Angeles Screen Co., 314 W 58th, Los Angeles, Cal.
McClelland T. W. Co. (Wholesale Mfrs.), Davenport, Ia.
McPhee & McGinnity Co., Denver, Colo.
Menke-Grimm Planing Mill Co., Quincy, Ill.
Meyers Fred. J. Mfg. Co., Hamilton, O.
Milliken-Kellam Co., Newton, N. J.
Monarch Screen & Mfg. Co., E 39th, Los Angeles, Cal.
Morgan Co., Oshkosh, Wis.
National Screen & Mfg. Co., 1456 Harrison av, Cincinnati, O.
Nedrow Mfg. Co., Caledonia, N. Y.
Nelson Ladder Works, 267 2nd, Portland, Ore.
Newark Weather Strip & Screen Co., 7 Nevada, Newark, N. J.
Owosso Mfg. Co., Benton, Ark.
Owosso Mfg. Co. (Adjustable Frames) (Wholesale Mfrs.), Owosso, Mich.
Parr Lumber Co., St. Johns, Mich.
Penna. Woven Wire Co., Lock Haven, Pa.
Perkins Mfg. Co. (Metal Frame, Vertical Slide, to Order Only), 1821 University av, St. Paul, Minn.
See adv index at end of book
Phenix Mfg. Co. ("Phenix" also Swinging Half, Sliding, etc), Milwaukee, Wis.
Philadelphia Screen Mfg. Co. (Wholesale Mfrs.), 56th bel. Woodland, Phila., Pa.
Porter Screen Co. (Wholesale Mfrs.), Burlington, Vt.
Protective Ventilator & Screen Corp., 512 W 53rd, New York
Reed Evan L. Mfg. Co., Tipton, Danville, Ill.
*Reese Mfg. Co., The, Minneapolis, Minn.
Robbins Mfg. Co., 1815 N Central Park av, Chicago, Ill.
Roebuck Weather Strip & Wire Screen Co., 2406 Flatbush av, Brooklyn, N. Y.
*Rolup Window Screen Co., The, 410 E 32nd, New York
Sanders Bros. Mfg. Co., Ottawa, Ill.
Schumacher F. E. Co., Hartville, O.
Scranton Iron & Steel Co., 1335 Capouse av, Scranton, Pa.
Simpson Mfg. Co., 4246 Holden, Emeryville, Cal.
Snow Franklin A. Co., 79 Milk, Boston, Mass.
Solmson M. Fly Screen Co. (Rustless), Bayard & Nanticoke, Baltimore, Md.
Springfield Wire Screen Co., Springfield, Ill.
Standard Screen Co. (Wood Frame), 1853 Hastings, Chicago, Ill.
Standard Screen & Mfg. Co., 3216 S Main, Los Angeles, Cal.
Theriot Fred J. ("Perfection"), 5124-6 Moneta av, Los Angeles, Cal.
Union Screen Co. ("Challenge" Sliding Window), 306 Carpenter, Providence, R. I.
Victor Parting Bead Co. ("Victor"), 128 Washington, Reading, Pa.
Wabash Screen Door Co., 111 W Washington, Chicago, Ill.
Waterfront Sash & Door Co., 2d & Alice, Oakland, Cal.
Watson Mfg. Co. (Metal & Wood to Order Only), Jamestown, N. Y.
Wheeler Screen Co., Geneva, Ill.
Willer Mfg. Co. (To Order Only), Milwaukee, Wis.
Williams & Hunting Co. (Wholesale), Cedar Rapids, Ia.

13165a—Screens (Wire, Centrifugal)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Ludlow-Saylor Wire Co., 600-640 S Newstead av, St. Louis, Mo.
See adv index at end of book
Newark Wire Cloth Co., 357-371 Verona av, Newark, N. J.
Watson Mfg. Co., Jamestown, N. Y.
Wayte W. J., Inc. (Dirs), 5344 Grand Central Terminal, New York.

13165b—Screens (Wire, Rustless)

Beere George W., 451 Jefferson av, Brooklyn, N. Y.
Conklin Brass & Copper Co. T. E., 54-60 Lafayette, New York
See adv index at end of book
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Nedrow Mfg. Co., Caledonia, N. Y.
Tyler W. S. Co., Cleveland, O.
See adv index at end of book
West Coast Wire & Iron Works, 861 Howard, San Francisco, Cal.

13166— Screw Driver Mfrs.

AMERICAN SAW & MFG. CO. (Lenox), 69 Boylston, Springfield, Mass.
Arcade Mfg. Co. ("Serpentine," "Arcade" & "Combination"), Freeport, Ill.
Bagshaw & Field (Stubbs, Packet, Electric, Round Blade, Flat Blade, etc), 445 N 5th, Phila., Pa.
Billings & Spencer Co. ("B. & S." Magazine Screw Driver, etc), Hartford, Conn.
Braunsdorf-Mueller Co. ("Never Twist," "New Century," & "Improved Locksmith"), Elizabeth, N. J.
Bridgeport Hardware Mfg. Corp. ("Matchless Lines," "Challence Lines," "Lead Alls," "Warkick," "Little Wonder." "Trusty," "Hercules," "Bedford"), 461 Irving av, Bridgeport, Conn.
Brown R. H. & Co. ("Clark's"), 198H Brown, West Haven, Conn.
Browne & Dowd Mfg. Co. ("I. L."), Meriden, Conn.
Buell Bros. ("Buell"), Clinton, Conn.
Buffalo Specialty Co. (Leather Handle), 375 Ellicott, Buffalo, N. Y.
Buffum Tool Co. ("Swastika," Engineers' & Assemblers' "T" & Offset, etc. All Steel Drop Forged), South Side, Louisiana, Mo.
Bullock Mfg. Associates (Jewelers & Opticians), Springfield, Mass.
Burgess & Norton Mfg. Co. ("Bur-Nor" Folding), Geneva, Ill.
Cassady Fairbank Mfg. Co. ("Cassady," "Premier," "Fairbank," "Columbia," "Rough & Ready," "Elliott," "C. & F.," "Handy," "Kit"), 6126 S La Salle, Chicago, Ill.
Chicago Tool & Kit Co., 160 Whiting, Chicago, Ill.
Cincinnati Tool Co. ("Hargraves"), Norwood, Cincinnati, O.
Clement Mfg. Co. ("Vulcan" Hollow Handle), Northampton, Mass.
Cornwell Quality Tools Co., Dept. H, Cuyahoga Falls, O.
Crescent Co. Inc. ("Crescent"), Meriden, Conn.
Crescent Tool Co. ("Hamr-Handl"), 200 Harrison, Jamestown, N. Y.
Cronk & Carrier Mfg. Co. ("Star," "Cronk's," "Elmira"), 150 Lake, Elmira, N. Y. *See adv index at end of book*
Decatur Coffin Co. ("Eureka" Spiral), Decatur, Ill.
Dicke Tool Co. (For Electrical & Machinery Works), Downers Grove, Ill.
Dikeman Mfg. Co. ("Emergency" Pocket Telescope Handle), Norwalk, Conn.
Disston Hy. & Sons, Tacony, Phila., Pa.
Edelmann E. & Co. ("4-in-1"), 2332 Logan blvd, Chicago, Ill.
Gay Geo. E. ("Gay" & "Union" Double Acting Ratchet), Augusta, Me.
Goodell-Pratt Co. (Spiral, Ratchet, Automatic, Bench Automatic, Gunsmiths' Pocket Set, etc), Greenfield, Mass.
Harding Mfg. Co. ("Blue Line," "Gray Line"), Mansfield, Mass.
Herbrand Co., Fremont, O.
Hugo Mfg. Co., Duluth, Minn.
Irving Mfg. & Tool Co. (J. F. McCoy Co., Props.), 157 Chambers, New York
Ives W. A. Mfg. Co. ("Pioneer," "Paradox," "Standard"), Wallingford, Conn.
Jennings C. E. & Co. ("C. E. J. & Co.'s," "King," "Hinsdale"), 71 Murray, New York
Johnson Wm. (Hedenberg Works) (In great Variety), Newark, N. J.
Kendrick-Davis Co. ("K.-D.," Small), Lebanon, N. H.
Kraeuter & Co. ("Griptite"), 53 18th av, Newark, N. J.
Lane Will B. Unique Tool Co. ("Unique" Offset Ratchet), 422 S Dearborn, Chicago, Ill.
M. B. Tool Co. ("Insulectric"), Danielson, Conn.
Marble Arms & Mfg. Co. ("Marble's," Pocket, for Hunters, etc), Gladstone, Mich.
Mayhew H. H. Co. (Machinists), Shelburne Falls, Mass.
Millers Falls Co. ("Millers Falls" Ratchet, Automobile In & Out), Dept H, Millers Falls, Mass.
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
North Bros. Mfg. Co. ("Yankee" Ratchet, Spiral, Plain & Pocket Magazine, etc), Lehigh av & American, Phila., Pa.
Osborne C. S. & Co., Box 183, Newark, N. J. *See adv index at end of book*
Peck Stow & Wilcox Co. ("Pexto"), Southington, Conn.
Petersen A. H. Mfg. Co. ("Screw Shooter" Portable Electric), 1614 Fratney, Milwaukee, Wis.
Rehm Hardware Co. (Pocket), 1501 Blue Island av, Chicago, Ill.
Sargent & Co., Water & Walce, New Haven, Conn.
Sawyer Tool Mfg. Co. ("Samson"), Ashburnham, Mass.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Smith H. D. & Co. ("Perfect Handle," Drop Forged), Plantsville, Conn.
SMITH & HEMENWAY CO., INC. ("Red Devil") 261 H. B'way, New York; 130 H. Colt, Irvington, N. J.
See adv index at end of book
Snell Mfg. Co., Fiskdale, Mass.
Southington Mfg. Co., Southington, Conn.
Stanley Rule & Level Co. ("Defiance," "Leader," "Hurwood"), New Britain, Conn.
Starrett L. S. Co. (Pocket Jewelers, etc.), Athol, Mass.
Stimpson Edwin B. Co. (Small Metal), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Stortz Jno. & Son, 210 Vine, Phila., Pa.
Swan Jas. Co., Seymour, Conn.
Syracuse Twist Drill Co. ("Syracuse" Knurl Tool Makers), Borden av, Syracuse, N. Y.
Thayer Mfg. Co., Williamsburg, Mass.
Thomson Drop Forge Co., Plantsville, Conn.
TORRINGTON CO. (THE), Excelsior Plant (All Metal), Torrington, Conn.
See adv index at end of book
Tuck Mfg. Co., Brockton, Mass.
Turner & Deegan ("Rosedale," "Edgewood," "Handy," "Bristol," Carpenter & Cabinet Makers, etc), Bristol, Conn.
Union Hardware Co. ("Tower's," "Champion," "Samson," "Valley"), Torrington, Conn.
Vande Water Mfg. Co., Newburgh, N. Y.
Vaughan & Bushnell Mfg. Co., 2114 Carroll av, Chicago, Ill.
Vichek Tool Co. ("Vichek," "Rubberold" Handle & All Steel, Offset, Electricians', Hammer Head, etc), 8701 Mt. Auburn, Cleveland, O.
Washington Cutlery Co., Watertown, Wis.
WELLS CORPORATION (THE) ("Thayer"), 15 Arch, Greenfield, Mass.
See adv index at end of book
White Ira F. & Son Co., Bloomfield, N. J.
Wilkins, Geo. H. Co. ("Marcy"), 180 N Market, Chicago, Ill.
Winchester Repeating Arms Co. ("Winchester"), 275 Winchester, New Haven, Conn.

13167—Screw Driver & Corkscrew Combined

Browne & Dowd Mfg. Co., Meriden, Conn.

13168—*Screw Driver & Holder

Starrett L. S. Co. (Opticians), Athol, Mass.

13169—Screw Drivers (Automatic)

Goodell-Pratt Co. (Also Ratchet Automatic Bench), Greenfield, Mass.
Millers Falls Co., Dept H, Millers Falls, Mass.
Swan James Co., Seymour, Conn.

Screw Drivers (Electricians')

See Screw Drivers, Insulated Handle & Ratchet

13170— Screw Drivers (Flexible Shaft)

Stow Mfg. Co. Inc., Binghamton, N. Y.
See adv index at end of book

13171—Screw Drivers (Folding)

Neil & Smith Electric Tool Co. ("Ideal," Variable Speed), 8th & B'way, Cincin-
Burgess & Norton Mfg. Co. ("Bur-Nor"), Geneva, Ill.
Crescent Tool Co., 200 Harrison, Jamestown, N. Y.
Vaughan Novelty Mfg. Co. ("Jim Dandy" Combination), 711 Fulton, Chicago, Ill.

13172—Screw Drivers (Insulated Handle & Ratchet)

Buffalo Specialty Co. (Leather), 375 Ellicott, Buffalo, N. Y.
Central Machine Works, Inc., 940 Santee, Los Angeles, Cal.
Chapin-Stephens Co., Pine Meadow, Conn.
Cincinnati Tool Co. ("Hargrave" Pistol Grip Ratchet), Main & Waverly, Cincinnati, Ohio
Disston Hy. & Sons, Tacony, Phila., Pa.
Goodell-Pratt Co., Greenfield, Mass.
M. B. Tool Co., Danielson, Conn.
Mathias-Hart Co., 516 Atlantic av, Boston, Mass.
Mayhew H. H. Co., Shelburne Falls, Mass.
North Bros. Mfg. Co. ("Yankee," Screw Eye, Magazine, Screw Holder & Spiral Ratchet), Lehigh av & American, Phila., Pa.
Smith H. D. & Co., Plantsville, Conn.
Stanley Rule & Level Co., (Insulated Handle Only), New Britain, Conn.
Starrett L. S. Co. ("Starrett" Pocket with Hard Rubber Handle), Athol, Mass.
Union Hdw. Co., Tarrington, Conn.

13173—Screw Drivers (Jewelers')

Bullock Mfg. Associates, Springfield, Mass.
Goodell Pratt Co., Greenfield, Mass.
Kendrick-Davis Co. ("K.-D."), Lebanon, N. H.
Starrett L. S. Co., Athol, Mass.

SCREW MACHINE PRODUCTS FOR EVERY PURPOSE
Brass, Steel, Monel, Nickel
AUTOSCREW COMPANY
356 West Broadway, New York City

Wells Corporation (The) ("Thayer"), 15 Arch, Greenfield, Mass.
See adv index at end of book
Worthington & Raymond ("Optimus," "W. & R." Jobbers), 71 Murray, New York

13174-5—Screw Drivers (Motor Driven)

Neil & Smith Electric Tool Co. ("Ideal," Variable Speed), 8th & B'way, Cincinnati, O.
Hergi Mfg. Co., 260 5th, Bridgeport, Conn.
Stow Mfg. Co., Inc., Binghamton, N. Y.
See adv index at end of book
United States Electrical Tool Co., Cincinnati, O.

13176— Screw Eyes

Auer John Jr., 197 Middleton, Bklyn., N. Y.
Autoscrew Co., 355 W Broadway, New York
See adv index at end of book
Bethlehem Steel Co., S Bethlehem, Pa.
Brewer Bros. Co. (Wrought), 2743 N 2nd, Phila., Pa.
Brooks M. S. & Sons (Brass & Iron Wire), Chester, Conn.
Corbin Cabinet Lock Co., New Britain, Conn.
Grammes L. F. & Son, 311 Union, Allentown, Pa. *See adv index at end of book*
Hamblin & Russell Mfg. Co., Worcester, Mass.
Hindley Mfg. Co. (Brass & Bright Wire), Valley Falls, R. I.
Hoopes & Townsend Co., Broad & Buttonwood, Philadelphia, Pa.
Jencks E. Mfg. Co. (Bright & Brass Wire), 28 Union, Worcester, Mass.
Kansas City Bolt & Nut Co. (1¼ in. dia. to 1⅝), Kansas City, Mo.
Landers, Frary & Clark, New Britain, Conn.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
Parker Wire Goods Co. (Bright Wire & Brasses), 149 Washington, Worcester, Mass.
Sargent & Co., New Haven, Conn.
Stimpson, Edwin B., Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Wickwire Spencer Steel Corp., 41 E 42nd, York *See adv index at end of book*
Wilcox Crittenden & Co., Inc., 444 S Main, Middletown, Conn.
See adv index at end of book
Washburn Co. (Wire Goods Div.) (Bright Wire & Brass Wire), 28 Union, Worcester, Mass.
Wire Hardware Co., 6126 S La Salle, Chicago, Ill.

13176a—Screw Machine Parts

Austin & Smith Co. (Hand), 164 Brewery, New Haven, Conn.
See adv index at end of book
Autoscrew Company, 356 West Broadway, New York. *See adv index at end of book*
Dill Mfg. Co. (for Rim & Tire Industry), 684 E 32nd, Cleveland, Ohio
Shank Cyrus Co., 625 W Jackson, Chicago, Ill.
Standard Turnbuckle Co., Corry, Pa.
Waterbury Button Corp., 831 S Main, Waterbury, Conn.
See adv index at end of book

13177—Screw Machine Products

(Names with * also manufacture Monel Metal)

*Accurate Screw Shops, 186 Lafayette, New York
Adams-Campbell Co., 1730 S Los Angeles, Los Angeles, Cal.
Advance Tool Works, 439H No. Western av, Chicago, Ill.
ALUMINUM COMPANY OF AMERICA (Aluminum), 2301 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book
Am. Die & Tool Co. (Exceeding 1-in Diameter), Reading, Pa.
American Mfg. Co., 15 Park Row, New York.
*American Steel Chase Co., 122 Centre, New York
Am. Tube & Stamping Co. (Steel), Dept. H, 471 Hancock, Bridgeport, Conn.
Anderson Machine Works, 444 23rd, Oakland, Cal.
Ansonia Mfg. Co. (Of All Kinds), H, River rd, Ansonia, Conn.
Archibald Co., The, 667 Howard, San Francisco, Cal.
Armstrong F. A. W. & Co., 358 Atlantic av, Boston, Mass.
Armstrong G. R. Mfrs. Supplies, Inc., 130 High, Boston, Mass.
Arwe Carl H. Mfg. Co., 1348 De Kalb av, Brooklyn, N. Y.
Ashley Machine Works, Rochester, N. Y.
Atlantic Machine Screw Co., 48 Binford, Boston, Mass.
Atlantic Mfg. Co., Milford, Conn.
Atlas Brass Foundry Co., Columbus, O.
*Atlas Bronze Co., Columbus, O.
Austin & Smith Co. (Small Hand 5-32 inch to ½ in.), 164 Brewery, New Haven, Conn. *See adv index at end of book*
Automatic Products Co., 1145 W Grand blvd, Detroit, Mich.
Automatic Screw Mach. Prods. Co., 3425 W 31st, Chicago, Ill.
Automatic Screw Products Co., Emeryville, Cal.
Automobile Screw Products Co., E 152nd & N. P. R. R., Cleveland, Ohio
Autoscrew Company, 355 West Broadway, New York. *See adv index at end of book*
Babson, Dow Mfg. Co., 60 Fulda, Boston, Mass.
Bard Mfg. Co., Royersford, Pa.
Barkelew Metal Products Co., Dept H, Dayton, O.
BARNES, THE WALLACE CO. ("Barnes-Made," Special), 18 Wallace, Bristol, Conn. *See adv index at end of book*

SPECIAL SCREW MACHINE PRODUCTS
Any material up to 1¼" diameter
The WALLACE BARNES CO.
Bristol, Conn.

Bell David Co., Inc. (The) ("Belco" Products), 1555 Fillmore av, Buffalo, N. Y.
See adv index at end of book
Belvidere Screw & Machine Co., Belvidere, Ill.
Bilton Machine Tool Co., 990 Housatonic av, Bridgeport, Conn.
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
Boston Machine Screw Co., 17 Tudor, Cambridge, Mass.
Bridgeport Brass Co., E Main, Bridgeport, Conn.
Brown Bag Filling Machine Co., Fitchburg, Mass.
BROWN ENGINEERING CO., 110 N 3rd, Reading, Pa.
Brown, McLaren Mfg. Co., 5875 W Fort, Detroit, Mich.
Bullard Machine Tool Co., Brewster & Canfield av, Bridgeport, Conn.
Burgess & Norton Mfg. Co., Geneva, Ill.
California Screw Co., 50 Tehama, San Francisco, Cal.
*Casey Hudson Co., 361 E Ohio, Chicago
Cassady Fairbank Mfg. Co. (Contract Work a Specialty), 6126 S La Salle, Chicago, Ill.
Central Machine Wks. Co., 1234 Central av, Minneapolis, Minn.
Chadbourne-Walker Machine Screw Co. 100 Sudbury, Boston, Mass.
CHAPMAN MACHINE CORP., Terryville, Conn. *See adv index at end of book*

ACCURATE
SCREW MACHINE WORK
Made on our own AUTOMATICS
up to 11/16 Diameter
CHAPMAN MACHINE CORP.
Terryville, Conn.

Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
Cincinnati Ball Crank Co., North Oakley, Cincinnati, O.
Cincinnati Screw Co., Twightwee, Cincinnati, O.
City Brass Works, 1744 Carroll av, Chicago, Ill.
Clark-Cadle-Harmon Corp., Rochester, N. Y.
Cleveland Automatic Machine Co., Cleveland, O.
Cleveland National Machine Co., 1366 W 70th, Cleveland, Ohio
Cleveland Punch & Shear Works Co., 3917 St. Clair av N E, Cleveland, O.
See adv index at end of book
CLEVELAND WROUGHT PRODUCTS CO., THE, 3400 W 58th, Cleveland, O.
See adv index at end of book
Cleverly Electrical Wks., 17 N 7th, Phila., Pa.
Columbus Auto Parts Co., E Russell, Columbus, O.
Columbus Die, Tool & Machine Co. (To Special Order Only), 955 Cleveland av, Columbus, O.

(Continued on following page)

AUTOMATIC SCREW MACHINE PARTS



81% REPEAT ORDERS!

81% of our business in the past four years has been REPEAT business.

Purchasing department re-order Belco products because a thorough Inspection System assures them of shipments 100% USABLE—without exception!

Those who regard a complete line of reliable products, fair prices and on-time deliveries as important to the profitable conduct of their own business are assured of long, pleasant business relations here.

We gladly make up estimates and submit prices upon receipt of drawings and specifications. Send for Catalogue No. H 212 to become better acquainted with Belco products.

THE DAVID BELL CO., Inc., BUFFALO, N. Y.

All Kinds of Screws, Bolts and Nuts
Aeroplane Propeller Hub Pullers
Special Valve Pullers for Aircraft Motors
Generator Shafts
Spring Seat Bushings
Oil Pump Plungers
Generator Shaft Couplings
Sleeves
Ball Studs
Crank Handle Studs
Auto Door Knobs
Locker Door Handles
Valves
Lateral Pins
etc., etc.

Screw Machine Products—Continued

Continental Elec. Co., 32 Warren, New York
Corbin Screw Corp. (Automatic), New Britain, Conn.
Cornwall & Patterson Co., Bedford & Fairfield, Bridgeport, Conn.
Coulter-Curtis Screw Co., Inc., 1150 Niagara, Buffalo, N. Y.
Crellin Machine Co., 123 Llewellyn, Los Angeles, Cal.
Crittenden Mfg. Co., 33 Moreland, Boston, Mass.
Dallett Thos. H. Co., 1324 Federal, Phila., Pa.
Dann Products Co., 1134 Euclid, Cleveland, Ohio
Davis & Hemphill, Elkridge, Md.
Day W. J. Forestville, Conn.
Defiance Screw Mach. Products Co., Defiance, O.
Delaware Marine Mfg. Co., Wilmington, Del.
Detroit Screw Works, 1477 Atwater E, Detroit, Mich.
Diamond Iron Works, 2nd & 18th av N, Minneapolis, Minn.
Dill Mfg. Co., 684 E 32nd, Cleveland, Ohio
Eastern Mach. Screw Corp., New Haven, Conn.
Eby H. H. Mfg. Co., 40 S 7th, Phila., Pa.
Elec. Novelty Works, 965 Howard, San Francisco, Cal.
Ellison Brass Mfg. Co. (Brass & Bronze), Jamestown, N. Y.
Elyria Machine Co., Elyria, O.
Enterprise Mfg. Co., Akron, Ohio
Ericsson Screw Mach. Products Co., Inc., 609 Bergen, B'klyn, N. Y.
Erie Bronze Co., 355 W 19th, Erie, Pa.
Eureka Co., North East, Pa.
*Everitt Co., The, Boston 9, Mass.
Fernald Mfg. Co., North East, Pa.
Ferry Cap & Set Screw Co., Cleveland, O.
Fischer Special Mfg. Co., 2076 Reading rd, Cincinnati, O.
Foster Bolt & Nut Mfg. Co., Union av & E 72nd, Cleveland, O.
*Fostoria Screw Machine Products Co., Fostoria, Ohio
Framingham Screw Wks., Framingham, Mass.
Frost Mfg. Co., Kenosha, Wis.
Garfield Machine Wks., Garfield, N. J.
General Mfg. Co., Waterbury, Conn.
GERDES & CO., INC. (Capacity one eighth to 1½" diameter—automatic and hand machines—good uniform products), 42 Church, New York
See adv index at end of book
Gilbert Machine Works, 355 Folsom, San Francisco, Cal.
Gilfillian Bros., Inc., 1819 W 16th, Los Angeles, Cal.
Gleason Peters Co., 384 Classon av, B'klyn, N. Y.
Globe Mfg. Co., Perry, Ia.
Grammes L. F. & Sons, 311 Union, Allentown, Pa.
See adv index at end of book
Grand Rapids Brass Co., Grand Rapids, Mich.
*Gravity Carburetor Co., The, Cleveland, O.
Gray & Danielson Mfg. Co., 250 1st, San Francisco, Cal.
Greer Frederic, 2608 Flournoy, Chicago, Ill.
Hahn Harry W. Mfg. Co., 629 W San Pedro, Los Angeles, Cal.
Handel Louis Co., 161 Broadway, New York
Hanson Bros., Plainville, Conn.
Harper F. C. Screw Wks., 19 E 8th, Chicago, Ill.
*Hartford Machine Screw Co. (From all Metals), Hartford, Conn.
Harvey Machine Co., 1335 S Los Angeles, Los Angeles, Cal.
Hedason Mfg. Co., 1041 State, New Haven, Conn.
Hill Pump Valve Co. (Automatic), 4001-21 Belmont av, Chicago, Ill.
Hill-Smith Metal Goods Co., 102 Brookline av, Boston, Mass.
Homer Commutator Co., 4748 Hough av, N E, Cleveland, O.
Hough Chas. N. Mfg. Co., Franklin, Pa.
Hubbell Harvey, Bridgeport, Conn.
Humason Mfg Co., Forestville Station, Conn.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Hyman Henry & Co., Inc., 476 B'dway, New York.
*Hydro Mfg. Co., 352 W 13th, New York
Imperial Brass Mfg. Co., 1200 W Harrison, Chicago, Ill.
International Brass & Electric Co., 76 Beekman, New York
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Judd & Leland Mfg. Co., Clifton Springs, N. Y.
Kilbourne & Clark Mfg. Co., 101 Spokane, Seattle, Wash.
*Kleinschmidt Electric Co., Inc., Nelson av & Manley, Long Island City, N. Y.
Knight Screw Products Co., 705 David Whitney bldg, Detroit, Mich.
*Larson Tool & Stamping Co., Attleboro, Mass.
Levi Benjamin, 355 W B'way, New York.
Liberty Screw Co., Inc., 379 Shrewsbury, Worcester, Mass.

INCO
Monel metal
SCREW MACHINE PRODUCTS
Absolutely Rust-Proof; Strong as Steel.
Natural Polish Without Plating.
Can Be Machined to Finest Tolerance.
Where Other Metals Don't Stand Up, Use Monel.
SEE OUR INSERT AT MONEL METAL
THE INTERNATIONAL NICKEL COMPANY
67 Wall Street New York, N.Y.

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Litquick Gas Lamp Co., 310 Canalle, Defiance, O.
Locke Machine Co., 1448 E 49th, Cleveland, Ohio
McCully R. P. & C. H., Inc., 331 Van Buren, Brooklyn, N. Y.
Makutchan Roller Bearing Co., 35 W Lake, Chicago, Ill.
Mann Mfg. Co., 454 Golden Gate av, San Francisco, Cal.
Manufacturers Machine Products Co., 1320 Mt. Elliott av, Detroit, Mich.
Marquette Metal Products Co., 16606 Waterloo rd, Cleveland, Ohio
*Marshall Mfg. Co., 912 Grand av, Kansas City, Mo.
Mattatuck Mfg. Co., Waterbury, Conn.
Meisel Press Mfg. Co., 942 Dorchester av, Boston, Mass.
Meyer A. J. Mfg. Co., 3340 Boulevard, West Hoboken, N. J.
Michigan Screw Co., Lansing, Mich.
Nicoud Mfg. Co., 9 W Illinois, Chicago, Ill.
Miles F. S., 205 Quarry, Phila., Pa.
*Millimeter Machine Works, 542 W 22nd, New York
Model Machine Works, 317 W Pico, Los Angeles, Cal.
Moltrup Steel Products Co. (Automatic), 127H N Period, Beaver Falls, Pa.
Moore Geo. W., 44 Farnsworth, Boston, Mass.
Morris Mach. Tool Co., Court & Harriet, Cincinnati, Ohio.
Mossberg Frank Co., Attleboro, Mass.
*Motor Specialties Corp., Ft. Mt. Elliott av, Detroit, Mich.
Muncie Cap & Set Screw Co., Muncie, Ind.
National Acme Co. (Single Spindle), 7500 Stanton av S E, Cleveland, Ohio
National Axle Corp., Oakland & Berryessa rd, San Jose, Cal.
National Brass Mfg. Co., Rochester, N. Y.
National Sewing Machine Co., Belvidere, Ill.
Nelson Tool Co., Inc., 732 E 142nd, New York.
New Britain Machine Co., New Britain, Con.
New Haven Screw Co., 199 Foster, New Haven, Conn.
See adv index at end of book

The New Haven Screw Company
Manufacturers of
Foster Safety Hollow Set Screws
MILLED FROM THE BAR PRODUCTS
PIPE COUPLINGS, ETC.
Stock Sizes ⅛ to ¾ inch
Factory and Office
199 Foster St., New Haven, Conn.

New London Screw & Nut Wks., New London, O.
Newton Mfg. Corp., Plainville, Conn.
See adv index at end of book

SCREW MACHINE PRODUCTS
Including Second Operations
MADE FOR ASSEMBLING
THE NEWTON MFG. CORP.
Plainville, Conn.

Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Nobs Chas. & Son (Steel, Brass, German Silver, Tobin Bronze, etc), 156 Astor, Newark, N. J.
Nolte Screw Machine Products Co., 1536 Freeman av, Cincinnati, Ohio.
Ohio Metal Products Co., Dayton, O.
Olson Mfg. Co. (Special Automatic), Worcester, Mass.
Ontario Machine Screw Co., Ontario & Rorer, Phila., Pa.
Otter Mfg. Co., Inc., 62 9th av., New York
Ottermiller W. H. Co., York, Pa.
Otto Wm. H. Metal Goods Corp., Jersey City, N. J.
Paramount Manfg Co., Inc., Westfield, N. J.
Park Mfg. Co., 47 Lagrange, Worcester, Mass.
Pawtucket Mfg. Co., Pawtucket, R. I.
PECK SPRING CO., Plainville, Conn.
See adv index at end of book
Peerless Automatic Machine Co., 1962 W 77th, Cleveland, O.
Peninsular Milled Screw Co., 4646 Lawton, Detroit, Mich.
*Penn Screw & Machine Works, 712 Cherry, Philadelphia, Pa.
Perry-Fay Mfg. Co. (Of All Kinds), Elyria, Ohio
Phillips F. C., Stoughton, Mass.
Pittsburgh Reinforced Brazing & Machine Co., 2525H Liberty, Pittsburgh, Pa.
Pratt Wm. E. Mfg. Co., 15 W Lake, Chicago, Ill.
Precision Tool Co., Canton, Mass.
Price Bros., Frederick, Md.
Progressive Machine Screw Co., 169 Howard, Detroit, Mich.
QUADRIGA MFG. CO., 213 W Grand av, Chicago, Ill. *See adv index at end of book*
Racine Metal Stamping Co., Racine, Wis.
Reed & Prince Mfg. Co., Worcester, Mass.
*Reliable Screw & Machine Works, 2nd & Somerset, Philadelphia, Pa.
Rochester Machine Screw Co., Rochester, N. Y.
St. Louis Screw Co. (to Order Special), Clarence av E, St. Louis, Mo.
Scandia Mfg. Co., 103 Mechanic, Newark, N. J.
Schaefer Brass Mfg. Co., 815 Clark av, St. Louis, Mo.
Scovill Mfg. Co. (To Order Only), Waterbury, Conn. *See adv index at end of book*
Screw Machine Products Co. (Brass or Steel), 1012 Eddy, Providence, R. I.
Screw Machine Specialty Co., 1132 Austin av, Chicago, Ill.
Seiss Mfg. Co., Toledo, O.
Seymour Brass Turning Co., Seymour, Conn.
Shank Cyrus Co., 625 W. Jackson, Chicago, Ill.
Sharp Spark Plug Co., Wellington, O.
Sherman-Klove Co. (Automatic), 4649 W Harrison, Chicago, Ill.
Shimer Sam'l J & Sons, Milton, Pa.
*Sholes, Inc., 186 Lafayette, New York
Smith F. H. Mfg. Co. (Special to Order), 3047 Carroll av, Chicago, Ill.
Smith Premier Wks. Remington Typewriter Co., Syracuse, N. Y.
Snedden Machine Works, 1972 S Los Angeles, Los Angeles, Cal.
Snow Albert E. & Co., 252 B'way, New York
Spencer's I. S. Sons Inc., Guilford, Conn.
Standard Pressed Steel Co., Jenkintown, Pa.
Standard Screw Products Co., 2559H Bellevue, Detroit, Mich.
Steel Products Co., 2206 Clarkwood av, S E Cleveland, Ohio.
*Steel Products Mfg. Co., Cicero, Ill.
Steele & Johnson Mfg. Co., Waterbury, Conn.
*Steward & Romaine Mfg. Co., 124 N 6th, Philadelphia, Pa.
Stierlin Machine & Die Works, 625 Jackson blvd, Chicago, Ill.
Stitt Ignition Co., 16 E 1st, Columbus, O.
Thomas Mfg. Co. (To Order Only), Dayton, O.
Thomaston Mfg. Co., Thomaston, Conn.
Toledo Auto Motive Products Co., 2340 Smead av, Toledo, Ohio.
Topping Bros., 156 Varick, New York
See adv index at end of book

SCREWS
Cap, Set, Machine
Coach, Wood, Drive
TOPPING BROTHERS
156 VARICK STREET, NEW YORK

United States Automatic Co., Amherst, O.
Unity Mfg. Co., 224 N Halstead, Chicago, Ill.
Victory Machine Works, 559 Howard, San Francisco, Cal.
Waltham Screw Co., Waltham, Mass.
Ware Bros., 4458 W Lake, Chicago, Ill.
Waterbury Brass Goods Cork, Waterbury, Conn.
Waterbury Mfg. Co., Division Chase Companies, Inc., Waterbury, Conn.

Waterbury Mfg. Co., Waterbury, Conn.
*Weiss Louis T., 282 Taaffe pl, Brooklyn, N. Y.
Wellman Bronze Co. (Special), 6017 Superior av, Cleveland, O.
See adv index at end of book
Western Automatic Machine Screw Co., Elyria, O.
Western Brass Mfg. Wks., Marshall blvd & 21st, Chicago, Ill.
Western Screw Products Co., 19 St. George, St. Louis, Mo.
*Wheeling Machine Products Co., 20th & Main, Wheeling, W. Va.
See adv index at end of book
White J. H. Mfg., 111 N Third, Brooklyn, N. Y.
Whitman Metal Goods Co., Whitman, Mass.
Whitnall Co., Plainville, Conn.
Wicaco Screw & Mach. Wks., 4801H Stenton av, Phila., Pa.
Wiley Machine Co., 5th & Seaton, Los Angeles, Cal.
Wilmington Fibre Specialty Co., Wilmington, Del.
Wood & Spencer Co., 1930 E 61st, Cleveland, O.
York Screw Wks., Dept. H, York, Pa.
Zeigler Mfg. Co., Alexandria, Ind.

Screw Machinery

See Screw Cutting Machines; Screw Polishing Machines; Screw Shaving Machines; Screw Slotting Machines; Screw Thread Rolling Machines

13178— Screw Mfrs

American Screw Co. (Brass, Bronze & Iron), 21 Stevens, Providence, R. I.
Atlantic Mfg. Co. (Special to Order), Milford, Conn.
Atlantic Screw Works, Hartford, Conn.
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O.
Austin & Smith Co. (Small Hand), 164 Brewery, New Haven, Conn.
See adv index at end of book
Autoscrew Company, 355 West Broadway New York. *See adv index at end of book*
Bayonne Bolt & Nut Co., Bayonne, N. J.
BELL DAVID CO., INC. (THE), 1555 Fillmore, Buffalo, N. Y.
See adv index at end of book
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book

MACHINE SCREWS AND NUTS

Special Rivets, Pins, Studs Threaded and Formed Wires and Other Parts From Wire and Rod

SCREW MACHINE PRODUCTS

THE BLAKE & JOHNSON CO.
1500 Thomaston Ave.
WATERBURY, CONN.
SINCE 1849

California Screw Co., 50 Tehama, San Francisco, Cal.
Champion Mfg. Co., 7332 Kimbark av, Chicago, Ill.
Chapin-Stephens Co., Pine Meadow, Conn.
CHAPMAN MACHINE CORP., Terryville, Conn. *See adv index at end of book*
Chicago Screw Co., Homan & Fillmore, Chicago, Ill.
CLARK BROS. BOLT CO., Milldale, Conn.
See adv index at end of book
Continental Elec. Co., 32 Warren, New York
Continental Wood Screw Co., New Bedford, Mass.
Corbin Screw Corporation, New Britain, Conn.
Curtis Screw Works, Buffalo, N. Y.
Detroit Screw Works, Detroit, Mich.
Eastern Bolt & Nut Co., E Providence, Providence, R. I.
Eastern Machine Screw Corp. (Special to Order), New Haven, Conn.
Everitt Co. (Special), 267 Franklin, Boston, Mass. *See adv index at end of book*
Ferry Cap & Set Screw Co. (Steel), Cleveland, O.
Foster Bolt & Nut Mfg. Co., Winon av & E 72d, Cleveland, O.
Gary Screw & Bolt Co., Gary, Ind.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Harper F. C. Screw Works (Not Wood), 19 E 8th, Chicago, Ill.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hoopes & Townsend Co., Broad & Buttonwood Phila., Pa.
Hope Wm. H. Co. (Milled, etc), Lowell, Mass.
Hubbell Harvey, Bridgeport, Conn.
Illinois Nail Co., 826 Dix, Chicago, Ill.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Kirk-Latty Mfg. Co. (The), 5800 Madison av, Cleveland, O.
See adv index at end of book
Lamson & Sessions Co., 2188 Scranton rd, Cleveland, O.
Landers Frary & Clark, New Britain, Conn.
Liberty Screw Co., Inc., 379 Shrewsbury, Worcester, Mass.
Marquette Metal Products Co., 16606 Waterloo rd, Cleveland, Ohio
MAZEL-REST & CO. (Dirs.), 1846 Grand av, Chicago, Ill.
Merrill Bros. (Cone Point Lag), 3 Arnold, Naspeth (Boro. of Queens), N. Y.
See adv index at end of book
Michigan Screw Co., Lansing, Mich.
Miles Franklin S, 205 Quarry, Phila., Pa.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
Muncie Cap & Set Screw Co., Muncie, Ind.
National Acme Co. ("Namco"), 7500 Stanton av S E, Cleveland, Ohio
National Screw & Mfg. Co., 2440 E 75th, Cleveland, O.
See adv index at end of book
National Sewing Machine Co., Belvidere, Ill.
New England Screw Co., 44 Farnsworth, Boston, Mass.
New Haven Screw Co. (Special to Order), 199 Foster, New Haven, Conn.
See adv index at end of book
Niagara Screw Co., 20 Lock, Buffalo, N. Y.
Nolte Screw Machine Products Co., 1536 Freeman av, Cincinnati, Ohio.
Ohio Nut & Bolt Co., Berea, O.
Olson Mfg. Co. (Special), Worcester, Mass.
Ottemiller Wm. H. Co., M. & P. R. R. & Pattison, York, Pa.
Pacific Coast Forge Co., 3800 Iowa, Seattle, Wash.
Pawtucket Mfg. Co., Pawtucket, R. I.
Pawtucket Screw Co., 143 Hughes av, Pawtucket, R. I.
Penn Hardware Co., Reading, Pa.
Perry-Fay Mfg. Co., Elyria, O.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Progressive Mfg. Co., Torrington, Conn.
Quadriga Mfg. Co., 213 W Grand av, Chicago, Ill. *See adv index at end of book*
Reading Screw Co., Norristown, Pa.
Reed & Prince Mfg. Co., Worcester, Mass.
Republic Iron & Steel Co., Youngstown, O.
See Branch Offices Alphabetical Section.
Rochester Machine Screw Co., 15 Caledonia av, Rochester, N. Y.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
Schlafer Hardware Co. (Screen Plate), 815 College av, Appleton, Wis.
Scovill Mfg. Co., Waterbury, Conn.
See adv index at end of book
Screw Machine Products Corp., 1012 Eddy, Providence, R. I.
Shimer Sam'l J & Sons, Milton, Pa.
Smith F. H. Mfg. Co. (Special to Order), 3047 Carroll av, Chicago, Ill.
Southington Hardware Co., Southington, Conn.
Stanley Wks., New Britain, Conn.
See adv index at end of book
Steele & Johnson Mfg. Co., Waterbury, Conn.
Superior Screw & Bolt Mfg. Co., 3650H E 93rd, Cleveland, Ohio.
Union Cap Screw Co., 684 Hendrie, Cleveland, O.
U. S. Automatic Co., Amherst, O.
Waltham Screw Co., Waltham, Mass.
Washburn Co. (Wire Goods Div.), 28 Union, Worcester, Mass.
Waterbury Mfg. Co., Division Chase Companies, Inc., Waterbury, Conn.
Western Aircraft Corp., 1212 E 6th, Los Angeles, Cal.
Western Automatic Mach. Screw Co., Elyria, O.
Western Screw Products Co., 19 St. George, St. Louis, Mo.
Wheeling Machine Products Co., 20th & Main, Wheeling, W. Va.
See adv index at end of book
York Screw Wks., Dept. H, York, Pa.
Zeigler Mfg. Co., Alexandria, Ind.

13179— Screw Plates

See also Stocks & Dies

Borden Co., The, Warren, O.
Brubaker W. L. & Bros., Millersburg, Pa.
Butterfield & Co. ("Derby," "Reece's New"), Derby Line, Vt.
Canedy-Otto Mfg. Co., Chicago Heights, Ill.
Card S. W. Mfg. Co. ("Paragon"), Mansfield, Mass.
Carpenter J. M. Tap & Die Co. ("Carpenter's"), Pawtucket, R. I.
Champion Blower & Forge Co. ("Champion," Electric, etc), Lancaster, Pa.
Conant & Donelson Co. ("Reliable"), Conway, Mass.
Greenfield Tap & Die Corp. ("Little Giant," "Lightning," "Green River," "O. K." & "G. T. D." for Bolt & Pipe Tap & Die Assortments), Greenfield, Mass.
Hart Mfg. Co. ("Duplex"), Cleveland, O.
Jarecki Mfg. Co. ("Jarecki"), Erie, Pa.
Keystone Reamer & Tool Co., Dept H, Millersburg, Pa.
Morse Twist Drill & Machine Co. ("Morse," "No. 1, A. B. C. D. & E."), New Bedford, Mass.
National Sewing Machine Co., Belvidere, Ill.
Oster Mfg. Co., 2057 E 61st pl, Cleveland, Ohio
Pawtucket Mfg. Co., Pawtucket, R. I.
Polk A. J. & Son Co. ("Common Sense"), Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Russell Mfg. Co. ("Russell"), Greenfield, Mass.
Walworth Mfg. Co., Boston, Mass.
WELLS CORPORATION (THE) ("Threadwell" Hexagon Die, "Adamantine"), 15 Arch, Greenfield, Mass.
See adv index at end of book
Winter Bros. Co., Wrentham, Mass.

13180—*Screw Plates (Automobile)

Greenfield Tap & Die Corp. ("Green River" & "Little Giant," "O. K." "G. T. D."), Greenfield, Mass.
Hill L B Melting & Refining Co., 1250 W 8th, Cincinnati, Ohio.
Wells Corporation (The), 15 Arch, Greenfield, Mass. *See adv index at end of book*

13180a—*Screw Plates (Metric)

Greenfield Tap & Die Corp. ("G. T. D."), Greenfield, Mass.
Wells Corporation (The), 15 Arch, Greenfield, Mass.
See adv index at end of book

13181—Screw Tops (Bottle)

Wheeling Stamping Co., Wheeling, W. Va.

13182—Screws (Ball Cock Connection)

Autoscrew Company, 355 West Broadway, New York. *See adv index at end of book*
New London Screw & Nut Works, New London, Conn.

13183— Screws (Bed)

Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio.
Bell David Co., Inc. (The), 1555 Fillmore av, Buffalo, N. Y.
See adv index at end of book
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
Bourne-Fuller Co., Hanna bldg, Cleveland, Ohio
Corbin Screw Corp., New Britain, Conn.
Lamson & Sessions Co., Cleveland, O.
Shelton Tack Co., Shelton, Conn.

13184— Screws (Bench)

Black Bros. Co. (The), Inc., Mendota, Ill.
See adv index at end of book
Sargent & Co., Water & Walce, New Haven, Conn.

13185— Screws (Bibb)

Autoscrew Company, 355 West Broadway, New York. *See adv index at end of book*
B. B. Specialty Co., 433 Liberty av, Pittsburgh, Pa.
Hays Mfg. Co., Erie, Pa.
See adv index at end of book
Steele & Johnson Mfg. Co., Waterbury, Conn.

13186— Screws (Bicycle)

Austin & Smith Co., 164 Brewery, New Haven, Conn.
See adv index at end of book
Autoscrew Company, 355 West Broadway, New York. *See adv index at end of book*
Chapman Machine Corp., Terryville, Conn.
See adv index at end of book
Chicago Screw Co., (Iron or Brass), Homan av & Fillmore, Chicago, Ill.
Coulter-Curtis Screw Co., Inc., 17H Gull, Buffalo, N. Y.
Hartford Machine Screw Co., Hartford, Conn.
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
Western Automatic Machine Screw Co., Elyria, O.
Western Screw Products Co., 19 St. George, St. Louis, Mo.
Zeigler Mfg. Co., Alexandria, Ind.

13187—Screws (Brass & Bronze)

American Pin Co. ("Ampinco" Brass Only), Waterbury, Conn.
American Screw Co., 21 Stevens, Providence, R. I.
Austin & Smith Co., 164 Brewery, New Haven, Conn.
See adv index at end of book
Autoscrew Company, 355 West Broadway, New York. *See adv index at end of book*
Barnes Wallace Co. (The), (Headless), 18 Wallace, Bristol, Conn.
See adv index at end of book
BELL DAVID CO., INC. (THE), 1555 Fillmore av, Buffalo, N. Y.
See adv index at end of book
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
Chapman Machine Corp., Terryville, Conn.
See adv index at end of book

(Continued on following page)

Screws (Brass & Bronze)—Cont.

Columbus Brass Co., 620 Dublin av, Columbus, Ohio
See adv index at end of book
Continental Electric Co., 32 Warren, New York
Coulter-Curtis Screw Co., Inc., 17H Gull, Buffalo, N. Y.
Detroit Screw Works, Detroit, Mich.
Harper F. C. Screw Works (Brass Only), 19 E 8th, Chicago, Ill.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hassall Jno. (Inc.) (Plated), Clay & Oakland, Brooklyn, N. Y.
See adv index at end of book
HINDLEY GEAR CO., 1105 Frankford av, Phila., Pa. *See adv index at end of book*
Hubbell Harvey, Bridgeport, Conn.
Hungerford U. T. Brass & Copper Co. (All Kinds), 80 Lafayette, New York
Lee Bros. Foundry Co., Dept H, Anniston, Ala.
Michigan Screw Co., Lansing, Mich.
Mutual Electric & Machine Co., 232 Fort W., Detroit, Mich.
National Acme Co. (Brass Only), 1500 Stanton av, S E, Cleveland, O.
New England Screw Co., 44 Farnsworth, Boston, Mass.
Reed & Prince Mfg. Co., Worcester, Mass.
Rochester Machine Screw Co., 15 Caledonia av, Rochester, N. Y.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
SCOVILL MFG. CO. Waterbury, Conn.
See adv index at end of book
Steele & Johnson Mfg. Co., Waterbury, Conn.
Waltham Screw Co., Waltham, Mass.
Waterbury Mfg. Co., Division Chase Companies, Inc. (Brass Only), Waterbury, Conn.
Welch T. F. Co., 55 Sudbury, Boston, Mass.
Western Screw Products Co., 19 St. George, St. Louis, Mo.
Whitehead Metal Products Co. of N. Y., Inc., 261-7 Canal, New York, & 43 N 7th, Phila., Pa.
See adv index at end of book
Zeigler Mfg. Co., Alexandria, Ind.

13188—Screws (Brass Machine)

American Screw Co., 21 Stevens, Providence, R. I.
Ansonia Mfg. Co. (Brass), H River rd, Ansonia, Conn.
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O.
Austin & Smith Co. (Hand), 427 Quinnipiac av, New Haven, Conn.
See adv index at end of book
Autoscrew Company, 355 West Broadway, New York. *See adv index at end of book*
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
Chicago Nut Co., 2513 W Cullerton, Chicago, Ill.
Corbin Screw Corporation, New Britain, Conn.
Eastern Machine Screw Corp., Truman & Barclay, New Haven, Conn.
Harper F. C. Screw Wks., 19 E 8th, Chicago, Ill.
Hassall Jno. (Inc.), Clay & Oakland, Brooklyn, N. Y.
See adv index at end of book
Hill-Smith Metal Goods Co., 102 Brookline av, Boston, Mass.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Michigan Screw Co., Lansing, Mich.
Miles Franklin S., 205 Quarry, Phila., Pa.
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
New England Screw Co., 44 Farnsworth, Boston, Mass.
Nolte Screw Machine Products Co., 1536 Freeman av, Cincinnati, Ohio.
Progressive Mfg. Co., Torrington, Conn.
Reading Screw Co., Norristown, Pa.
Reed & Prince Mfg. Co., Worcester, Mass.
Reynolds James Mfg. Co., 99 Mill River, New Haven, Conn.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
SCOVILL MFG. CO. (& Caps), Waterbury, Conn. *See adv index at end of book*
Steele & Johnson Mfg. Co., Waterbury, Conn.
Waltham Screw Co., Waltham, Mass.
Western Automatic Machine Screw Co., Elyria, Ohio
Western Screw Products Co., 19 St. George, St. Louis, Mo.

13189—Screws (Brass & Iron Machine)

Ansonia Mfg. Co. (Brass), H River rd, Ansonia, Conn.
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio.
See adv index at end of book
Autoscrew Company, 355 West Broadway, New York. *See adv index at end of book*
Chapman Machine Corp., Terryville, Conn.
See adv index at end of book
Chicago Nut Mfg. Co., 2513 W Cullerton, Chicago, Ill.
Detroit Screw Works, 1477 Atwater E, Detroit Mich.
Harper F. C. Screw Wks., 19 E 8th, Chicago, Ill.
Reed & Prince Mfg. Co., Dept. H, Worcester, Mass.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.

13190—Screws (Building Movers')

Erie Forge Co., Erie, Pa.
HINDLEY GEAR CO., 1105 Frankford av, Phila., Pa. *See adv index at end of book*
New London Vise Works, New London, Conn.
Pollak Steel Co., Cincinnati, Ohio.

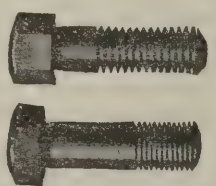
13191— Screws (Can)

AMERICAN CAN CO., 120 Broadway, New York. *See adv index at end of book*
Consolidated Fruit Jar Co. ("Chace," etc), New Brunswick, N. J.
Delphos Mfg. Co., 1st & Pierce, Delphos, O.
Franklinville Canning Co., Franklinville, N. Y.
Hero Mfg. Co. (Brass & Zinc), 1421 Chestnut, Phila., Pa.
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
Peerless Nut Co., 408 Frankfort, Cleveland, Ohio
Vogel Wm. & Bros., 37 S 9th, Brooklyn, N. Y.

13192— Screws (Cap & Set)

Allen Mfg. Co. ("Allen" Patent Safety Set & Socket Head Cap Screws), 133 Sheldon, Hartford, Conn.
See adv index at end of book
Armstrong G. R. Mfrs. Supplies, Inc., 130 High, Boston, Mass.
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio
Autoscrew Company, 355 West Broadway, New York. *See adv index at end of book*
Babson, Dow Mfg. Co., 60 Fulda, Boston, Mass.
Barnes The Wallace Co., 18 Wallace, Bristol, Conn.
See adv index at end of book
BELL DAVID CO., INC. (THE), 1555 Fillmore av, Buffalo, N. Y.
See adv index at end of book
Bourne-Fuller Co., Hanna bldg, Cleveland, Ohio
Buffalo Bolt Co., Buffalo, N. Y.
Chapman Machine Corp., Terryville, Conn.
See adv index at end of book
Chicago Screw Co. (Iron & Steel), Homan av & Fillmore, Chicago, Ill.
Cincinnati Screw Co. Twightwee, Cincinnati, O.
CLARK BROS. BOLT CO., Millidale, Conn.
See adv index at end of book
CLEVELAND WROUGHT PRODUCTS CO., THE (All sizes & styles in stock. All Cap-Screws heat-treated), 3400 W 58th, Celveland, Ohio
See adv index at end of book

SCREWS
CAP and SET



All Styles and Sizes
in Stock
All Cap-Screws Heat-Treated

THE CLEVELAND WROUGHT
PRODUCTS COMPANY
3400 West 58th St., CLEVELAND, OHIO

Corbin Screw Corporation (Also Knurled Set, etc), New Britain, Conn.
Coulter-Curtis Screw Co., Inc., 1150 Niagara, Buffalo, N. Y.
Crozier R. J. Co. (Dirs), 10H S 18th, Phila., Pa.
Detroit Screw Works, (Also "S. A. E." Caps), 348 Franklin, Detroit, Mich.
Eastern Bolt & Nut Co., E Providence, Providence, R. I.
ECONOMY FUSE & MFG. CO., Greenview av at Diversey pkwy, Chicago, Ill.
See adv index at end of book
Everitt Co., 267 Franklin, Boston, Mass.
See adv index at end of book
Ferry Cap & Set Screw Co. (Steel), Cleveland, O.
Hart H. C. Mfg. Co. ("Hart," Hollow Cap Screw), Unionville, Conn.
Hartford Machine Screw Co., Hartford, Conn.
Haskell Wm. H. Mfg. Co. (Oval, Flat, Counter Sunk, Square, Hexagon, Button & French Head), Pawtucket, R. I.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Hope Wm. H. Co., Lowell, Mass.
Humason Mfg. Co. (Special), Forestville Station, Conn.
Keystone Screw Co., 17th & Lehigh, Pittsburgh, Pa.
Larkin J. K. & Co., 253 Broadway, New York. *See adv index at end of book*
Liberty Screw Co., Inc., 379 Shrewsbury, Worcester, Mass.
Michigan Screw Co., Lansing, Mich.
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
National Screw & Mfg. Co., The, 2440 E 75th, Cleveland, Ohio
See adv index at end of book
Niagara Screw Co., 20 Lock, Buffalo, N. Y.
Nolte Screw Machine Products Co., 1536 Freeman av, Cincinnati, Ohio.
Ottemiller Wm. H. Co., York, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Payne's Bolt Works, 133 Howard, San Francisco, Cal.
Peninsular Milled Screw Co., 1090 Lafayette, Detroit, Mich.
Penn. Shafting Co., Spring City, Pa.
Perry-Fay Mfg. Co. (Special), Elyria, O.
Pheoli Mfg. Co., 5700 W 12th, Chicago, Ill.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Reed & Prince Mfg. Co., Worcester, Mass.
Republic Tool & Mfg. Co. ("Allen" Safety Set), 1401 W 9th, Cleveland, O.
Rhode Island Tool Co., Providence, R. I.
Rochester Machine Screw Co., 15 Caledonia av, Rochester, N. Y.
Rockford Bolt Co., 60 Mill, Rockford, Ill.,
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
SCOVILL MFG. CO. (Cap Only), Waterbury, Conn. *See adv index at end of book*
Sherman-Klove Co. (Cap Only), 4649 W Harrison, Chicago, Ill.
Shimer Sam'l J. & Sons, Milton, Pa.
Standard Automatic Products Co., Corry, Pa.
Standard Pressed Steel Co. (Hexagon, Square & Headless Styles), Jenkintown, Pa.
Steel Products Co., 2196 Clarkwood av, Cleveland, Ohio.
Strong, Carlisle & Hammond Co. ("Mac-It"), 336 Frankfort av, N W, Cleveland, O.
U. S. Automatic Co. (Cap Only), Amherst, O.
Waltham Screw Co., Waltham, Mass.
Western Screw Products Co. (Cap Only), 19 St. George, St. Louis, Mo.
Western Automatic Mach. Screw Co., Elyria, O.
York Screw Wks. (Cap), Dept. H, York, Pa.
Zeigler Mfg. Co., Alexandria, Ind.

13193— Screws (Capstan)

Moore Geo. W. ("Moore's), 44 Farnsworth, Boston, Mass.

Screws (Closet)

See Screws, Plumbers'

13194—Screws (Coach & Lag)

See also Screw Manufacturers, Wood
American Bolt Co., Birmingham, Ala.
AMERICAN BOLT CORP., Whitehall bldg, New York *See adv index at end of book*
Armstrong & Parker, 361 Guilford av, Baltimore, Md.
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio.
Bassett D. M. Bolt Works, Shelton, Conn.
Berry Bros., Columbus, O.
Bethlehem Steel Co., So Bethlehem, Pa.
Bourne-Fuller Co., Hanna bldg, Cleveland, Ohio
Buffalo Bolt Co., Buffalo, N. Y.
CLARK BROS. BOLT CO., Millidale, Conn.
See adv index at end of book
Columbus Bolt Works Co., Columbus, O.
Continental Bolt & Iron Works, 2225 W 43d, Chicago, Ill.
Corbin Screw Corporation (Gimlet Pointed, etc), New Britain, Conn.
Crescent Tool Mfg. Co., 1002 Cass av, St. Louis, Mo.
Falls Rivet Co., Kent, Ohio.
Foster Bolt & Nut Mfg. Co., Union av & E 72d, Cleveland, O.
Galvanized Products Co., Phillipsburg, N. J.
Gary Screw & Bolt Co. (Lag), Gary, Ind.
Graham Nut Co., 1317 W Carson, Pittsburgh, Pa.
Greenlie-Halliday Co., 499 Water, New York
Haskell Wm. H. Mfg. Co. (Gimlet Pointed), Pawtucket, R. I.
Kansas City Bolt & Nut Co. (Coach), Kansas City, Mo.
Kirk-Latty Mfg. Co. (The), 8500 Madison av, Cleveland, O.
See adv index at end of book
Lake Erie Bolt & Nut Co. (Also Gimlet Pointed Coach, ft of E 63d, Cleveland, O.

Lamson & Sessions Co., 2188 Scranton rd, Sec, Cleveland, O.
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
Laughlin Thos. Co. (Bronze), 135 Fort, Portland, Me.
See adv index at end of book
Maryland Bolt & Forge Co., Mt. Washington, Baltimore, Md.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
National Screw & Mfg. Co., The, 2440 E 75th, Cleveland, O.
See adv index at end of book
Oliver Iron & Steel Co. (Gimlet Pointed, etc), S 10th & Muriel, Pittsburgh, Pa.
Pawtucket Mfg. Co. (Gimlet Point), Pawtucket, R. I.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Pottsville Bolt Co., Pottsville, Pa.
Reed & Prince Mfg. Co., Dept. H, Worcester, Mass.
Republic Iron & Steel Co. (Gimlet Pointed), Youngstown, O.
See Branch Offices Alphabetical Section
Rhode Island Tool Co. (Gimlet Pointed), Providence, R. I.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
Scranton Bolt & Nut Co., Scranton, Pa.
Southern California Iron & Steel Co., (Lag Only), 4th & Mateo, Los Angeles, Cal.

13195— Screws (Collar)

Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O.
Autoscrew Company, 355 West B'way, New York. *See adv index at end of book*
Bell David Co., Inc. (The), 1555 Fillmore av, Buffalo, N. Y.
See adv index at end of book
Chapman Machine Corp., Terryville, Conn.
See adv index at end of book
Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
Corbin Screw Corporation, New Britain, Conn.
Coulter-Curtis Screw Co., Inc., 1150 Niagara, Buffalo, N. Y.
Detroit Screw Works, 1477 Atwater E, Detroit, Mich.
Gary Screw & Bolt Co., Gary, Ind.
Hartford Machine Screw Co., Hartford, Conn.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hill Geo. Q. Co., 32 Dorchester av, Boston, Mass.
HINDLEY GEAR CO., 1105 Frankford av, Philadelphia, Pa.
See adv index at end of book
Michigan Screw Co., Lansing, Mich.
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
New Haven Screw Co. (Collar Head to Order), 191-193 Foster, New Haven, Conn. *See adv index at end of book*
Niagara Screw Co., 20 Lock, Buffalo, N. Y.
Pawtucket Mfg. Co., Pawtucket, R. I.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Rochester Machine Screw Co., 15 Caledonia av, Rochester, N. Y.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
Waltham Screw Co., Waltham, Mass.
Western Automatic Mach. Screw Co., Elyria, O.

Screws (Dowel)

See Screws, Wood

Screws (Drive)

See Screws, Wood

13196— Screws (Feed)

HINDLEY GEAR CO., 1105 Frankford av, Philadelphia, Pa.
See adv index at end of book

13197-8—Screws for Electrical Trade

See also Screw Machine Products
Ansonia Mfg. Co. (Brass), H River rd, Ansonia, Conn.
Austin & Smith Co. (Small Hand), 164 Brewery, New Haven, Conn.
See adv index at end of book
Autoscrew Company, 355 West B'way, New York. *See adv index at end of book*
Barnes The Wallace Co., Bristol, Conn.
See adv index at end of book
Detroit Screw Works (Collar, etc.), 1477 Atwater E, Detroit, Mich.
Eby H. H. Mfg. Co., 40 S 7th, Phila., Pa.
ECONOMY FUSE & MFG. CO., Greenview av at Diversey pkwy, Chicago, Ill.
See adv index at end of book
Reed & Prince Mfg. Co., Dept H, Worcester, Mass.
Scovill Mfg. Co. (Machine & Cap), Waterbury, Conn. *See adv index at end of book*
Western Screw Products Co., 19 St. George, St. Louis, Mo.
Zeigler Mfg. Co., Alexandria, Ind.

13199— Screws (Gib)

See also Screw Machine Products
Autoscrew Company, 355 West B'way, New York. *See adv index at end of book*
Chapman Machine Corp., Terryville, Conn.
See adv index at end of book
Detroit Screw Works, 1477 Atwater E, Detroit, Mich.
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Rochester Machine Screw Co., 15 Caledonia av, Rochester, N. Y.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
Western Screw Products Co., 19 St. George, St. Louis, Mo.

13200— Screws (Gun)

Autoscrew Company, 355 West B'way, New York *See adv index at end of book*
Chapman Machine Corp., Terryville, Conn.
See adv index at end of book
Hartford Machine Screw Co., Hartford, Conn.
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
Reed & Prince Mfg. Co., Dept H, Worcester, Mass.
Screw Machine Products Corp., 1012 Eddy, Providence, R. I.
Waltham Screw Co., Waltham, Mass.

13201— Screws (Hand)

ADJUSTABLE CLAMP CO. ("Jorgenson," "Peerless"), 220 N Jefferson, Chicago, Ill.
Austin & Smith Co., 164 Brewery, New Haven, Conn.
BLACK BROS. CO. (THE), INC., 800 Third st, Mendota, Ill.
See adv index at end of book

The Black Bros.
Standard Adjustable Steel Spindle
HAND SCREW
Best in every detail
THE BLACK BROS. CO., Inc.
800 Third Street, Mendota, Ill.

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York.
See adv index at end of book
Christiansen C., 2814 W 26th, Chicago, Ill.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Greenlee Bros. & Co., 12th, Rockford, Ill.
Handy Mfg. Co., 29 E Madison, Chicago, Ill.
Illinois Iron & Bolt Co. (Wrought Iron), Carpentersville, Ill.
Kantslip Company ("Kantslip" Wood & Steel), Freeport, Mich.
New London Vise Works, New London, Conn.
Oliver Machinery Co., Grand Rapids, Mich.
O'Neil J. H. Jr., Pawtucket, R. I.
Rock Island Mfg. Co., Rock Island, Ill.
Sandusky Tool Co. (Wood), Sandusky, O.
Sargent & Co. (Iron & Wood), New Haven, Conn.
Western Automatic Machine Screw Co., Elyria, O.

13202— Screws (Hand Rail)

Chapman Machine Corp., Terryville, Conn.
See adv index at end of book
Corbin Screw Corporation, New Britain, Conn.
Jencks E. Mfg. Co., 28 Union, Worcester, Mass.
Landers, Frary & Clark, New Britain, Conn.
Parker Wire Goods Co., 149 Washington, Worcester, Mass.
Sargent & Co., New Haven, Conn.
Washburn Co. (Wire Goods Div.), 28 Union, Worcester, Mass.

Screws (Hand Saw)

See Screws, Saw

13203— Screws (Hanger)

American Bolt Corp., Whitehall bldg, New York
See adv index at end of book
Ankyra Mfg. Co., 144 Berkley, Wayne Junct., Phila., Pa.
Bethlehem Steel Co., So Bethlehem, Pa.
Bourne-Fuller Co., Hanna bldg, Cleveland, Ohio
Clark Bros. Bolt Co., Milldale, Conn.
See adv index at end of book
Columbus Bolt Works Co., Columbus, O.
Corbin Screw Corporation (Bolts), New Britain, Conn.
Coulter-Curtis Screw Co. Inc., 17H Gull, Buffalo, N. Y.
Crescent Tool Mfg. Co., 1002 Cass av, St. Louis, Mo.
Detroit Screw Works, 1477 Atwater E, Detroit, Mich.
Foster Bolt & Nut Mfg. Co., Union av & E 72d, Cleveland, O.
Gary Screw & Bolt Co., Gary, Ind.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Kirk-Latty Mfg. Co., 1971 W 85th, Cleveland, O.
Lamson & Sessions Co., 2188 Scranton rd, Sec, Cleveland, O.
Lanz M. Bolt, 2907H Carson, Pittsburgh, Pa.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
National Screw & Tack Co., Stanton av S E & C. & P. Ry, Cleveland, O.
New England Bolt Co., Everett, Mass.
Niagara Screw Co., 20 Lock, Buffalo, N. Y.
Nolte Screw Machine Products Co., 1530 Freeman av, Cincinnati, Ohio.
Pawtucket Mfg. Co., Pawtucket, R. I.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Reed & Prince Mfg. Co., Worcester, Mass.
Rochester Machine Screw Co., 15 Caledonia av, Rochester, N. Y.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
St. Louis Screw Co., Clarence av, E, St. Louis, Mo.
Scranton Bolt & Nut Co., Scranton, Pa.
Shelton Company, Shelton, Conn.
Smith Thos. Co., 288 Groves, Worcester, Mass.
Western Automatic Machine Screw Co., Elyria, O.

13204— Screws (Headless)

Autoscrew Company, 355 West B'way, New York *See adv index at end of book*
Barnes The Wallace Co., 18 Wallace, Bristol, Conn.
See adv index at end of book
Bell David Co., Inc. (The), 1555 Fillmore av, Buffalo, N. Y.
See adv index at end of book
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
Brooks M. S. & Sons, Chester, Conn.
Chapman Machine Corp., Terryville, Conn.
See adv index at end of book
CLEVELAND WROUGHT PRODUCTS CO., THE, 3400 W 58th, Cleveland, O.
See adv index at end of book
Corbin Screw Corp., New Britain, Conn.
Detroit Screw Works, 1477 Atwater E, Detroit, Mich.
Hanson Bros., Plainville, Conn.
Hartford Machine Screw Co., Hartford, Conn.
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
Reed & Prince Mfg. Co. (Machine & Wood), Dept. H, Worcester, Mass.
Richards Benj & Co., Winsted, Conn.
Rockford Bolt Co., Rockford, Ill.
St. Louis Screw Co., Clarence av, E, St. Louis, Mo.
Screw Machine Products Corp., 1012 Eddy, Providence, R. I.
Waterbury Mfg. Co., Division Chase Companies, Inc., Waterbury, Conn.
Western Screw Products Co., 19 St. George, St. Louis, Mo.

13205—Screws (Hook & Eye)

Bethlehem Steel Co., So Bethlehem, Pa.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.

Screws (House Raising)

See Screws, Building Movers'

13206— Screws (Jack)

See also Jacks, Screw; also Jacks, Ratchet
American Skein & Foundry Co., Racine, Wis.
Bethlehem Steel Co., Bethlehem, Pa.
Chicago Railway Signal & Supply Co., 122H S Michigan av, Chicago, Ill.
Crofoot Gear Co. Inc., Readville, Mass.
Eichleay John Jr. Co. (House Movers', Seamless), 20th & Wharton, Pittsburgh, Pa.
HINDLEY GEAR CO., 1105 Frankford av, Philadelphia, Pa.
See adv index at end of book
Hobbs Clinton & Co. ("Green Head"), 37 Pearl, Boston, Mass.
Illinois Iron & Bolt Co. ("I. I. & B. Co."), Carpentersville, Ill.
McLagon Foundry Co., New Haven, Conn.
Millers Falls Co. ("Millers Falls"), Millers Falls, Mass.
Pollak Steel Co. (Turbine), Cincinati, Ohio.
Sargent & Co., Water & Walce, New Haven, Conn.
Starrett L. S. Co. ("Little Giant"), Athol, Mass.
Southern Skein & Foundry Co., E Lake, Chattanooga, Tenn.
Swett A. L. Iron Works (Ratchet, etc), 145 Glenwood av, Medina, N. Y.

13207—Screws (Jack, Cable Reel)

Illinois Iron & Bolt Co. ("I. I. & B. Co."), Carpentersville, Ill.

Screws (Jewelers')

See Screws, Watch & Clock

13207a— Screws (Lag)

See also Screws, Coach & Lag
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O.

(Continued on following page)

Screws (Lag)—Continued

Everitt Co., 267 Franklin, Boston, Mass.
See adv index at end of book
Fischer & Hayes Rope & Steel Co., 816 W Erie, Chicago, Ill.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
LARKIN & CO., J. K., 253 Broadway, New York. *See adv index at end of book*
Lebanon Iron Co., Dept. H, Lebanon, Pa.
Merrill Bros., 3 Arnold, Maspeth, L. I.
See adv index at end of book
National Marine Lamp Co. (Brass), Forestville, Conn.
Reed & Prince Mfg. Co., Dept. H, Worcester, Mass.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
Southern California Iron & Steel Co., Dept. H, E 4th & Mateo, Los Angeles, Cal.
Wood's T. B. Sons Co., Chambersburg, Pa.

13208— Screws (Lead)

Crofoot Gear Co. Inc., Readville, Mass.
HINDLEY GEAR CO., 1105 Frankford av, Philadelphia, Pa.
See adv index at end of book
Starke Adolph (Est. of), Columbia & Signourney, Brooklyn, N. Y.

13209— Screws (Long)

Autoscrew Company, 355 West Broadway, New York. *See adv index at end of book*
CRESSMAN N. C. CO., 111 S 5th, Phila., Pa.
Pollak Steel Co. (Feed), Cincinnati, Ohio.
Western Screw Mfg. Co., 4413-23H Kinzie, Chicago, Ill.

13210— Screws (Machine)

(Names with * also manufacture Monel Metal)

American Screw Co., 21 Stevens, Providence, R. I.
Ansonia Mfg. Co. (Brass), H River rd, Ansonia, Conn.
*Atlas Bolt & Screw Co. (Iron & Brass), 1130 Ivanhoe rd, Cleveland, O.
Austin & Smith Co. (Small Hand), 164 Brewery, New Haven, Conn.
See adv index at end of book
*Autoscrew Company, 355 West Broadway, New York *See adv index at end of book*
Babson, Dow Mfg. Co., 60 Fulda, Boston, Mass.
*Bell Co., The, Buffalo, N. Y.
*Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
*Brown, McLaren Mfg. Co., Detroit, Mich.
*Champion Mfg. Co., 7332 Kimball av, Chicago
Chapman Machine Corp., Terryville, Conn.
See adv index at end of book
*Chicago Screw Co., Homan av & Fillmore, Chicago
Cincinnati Screw Co., Twightwee, Cincinnati, O.
Continental Wood Screw Co. (Special), New Bedford, Mass.
Corbin Screw Corporation (Brass or Iron), New Britain, Conn.
Draper Corp., Hopedale, Mass.
*Eagle Brass Foundry Co., 21 Spokane, Seattle, Wash.
*Everitt Co., 275 Franklin, Boston 9, Mass.
General Mfg. Co., Waterbury, Conn.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hassall John Inc. (Iron & Brass), Clay & Oakland, Brooklyn, N. Y.
See adv index at end of book
Hill-Smith Metal Goods Co., 102 Brookline av, Boston, Mass.
*Hubbell Harvey, Inc., Bridgeport, Conn.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Keystone Screw Co., Yardley, Pa.
Liberty Screw Co., Inc., 379 Shrewsbury, Worcester, Mass.
Lubenow Mfg. Co., 592 1st av, Milwaukee, Wis.
Miles Franklin S. (Brass, Iron & Steel), 205 Quarry, Phila., Pa.
NATIONAL SCREW & MFG. CO., THE, 2440 E 75th, Cleveland, O.
New England Screw Co., 44 Farnsworth, Boston, Mass.
Nolte Screw Machine Products Co., 1536 Freeman av, Cincinnati, Ohio
Ontario Machine Screw Co., 3415 Rorer, Phila., Pa.
*Pacific Foundry Co., Harrison & 18th, San Francisco, Cal.
Pawtucket Screw Co., 143 Hughes av, Pawtucket, R. I.
Pheoll Mfg. Co. (Brass, Iron, Copper, Bronze Monel Metal & Steel), 3700 W 12th, Chicago, Ill.
*Progressive Mfg. Co., Torrington, Conn.
Rawles Jas. D. Co., 113 Broad, Boston, Mass.
Reading Screw Co. (Brass & Iron), Norristown, Pa.
*Reed & Prince Mfg. Co. (Brass, Bronze & Steel) Worcester, Mass.
St. Louis Screw Co., Clarence av, E, St. Louis, Mo.
*Schwartz Mill Sup. Co., Inc., Edward, 520 Toulouse, New Orleans, La.
SCOVILL MFG. CO., Waterbury, Conn.
See adv index at end of book
*Sholes, Inc., 186 Lafayette, New York
Steele & Johnson Mfg. Co., Waterbury, Conn.
*Steel Products Mfg. Co., Cicero, Ill.
*Steel Sales Corp., 129 S Jefferson, Chicago
Topping Bros., 156 Varick, New York
See adv index at end of book
*Tull Rubber & Sup. Co. J. M., 150 Marietta, Atlanta, Ga.
Waltham Screw Co., Waltham, Mass.
Waterbury Mfg. Co., Division Chase Companies, Inc., Waterbury, Conn.
Western Automatic Mach. Screw Co., Elyria, Ohio
Western Screw Mfg. Co., 4419 W Kinzie, Chicago, Ill.
Western Screw Products Co. (Hexagon Head Cap), 19 St. George, St. Louis, Mo.
*Whitehead Metal Products Co., 67 Washington, N, Boston, Mass.
*Whitehead Metal Products Co. of N. Y., Inc., 261 Canal, New York
*Williams & Co., Inc., 901 Pennsylvania av, Pittsburgh, Pa.

13210a— Screws (Milled)

Autoscrew Company, 355 West Broadway, New York. *See adv index at end of book*
Barnes The Wallace Co., Bristol, Conn.
See adv index at end of book
CHAPMAN MACHINE CORP., Terryville, Conn. *See adv index at end of book*
Framingham Screw Works, Framingham, Mass.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
Western Screw Products Co., 19 St. George, St. Louis, Mo.
Wheeling Machine Products Co., 20th & Main, Wheeling, W. Va.
See adv index at end of book

13210b— Screws (Monel Metal)

AUTOSCREW CO. (Cap Screws, Set Screws, Machine Screws, Taper Pins, Bolts, Nuts and Special Screws. In stock or made to order promptly), 355 West Broadway, New York
See adv index at end of book

MONEL METAL SCREWS
FOR EVERY PURPOSE
Machine Cap & Set Screws
Nuts—Bolts—Taper Pins
Many sizes in stock
Any size to order promptly
Autoscrew Co. 356 West Broadway NEW YORK CITY

Barnes The Wallace Co., Bristol, Conn.
See adv index at end of book
BELL DAVID CO., INC. (THE), 1555 Fillmore av, Buffalo, N. Y.
See adv index at end of book
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
Coulter-Curtis Screw Co. Inc., 17H Gull, Buffalo, N. Y.
Hassall Jno. (Inc.), Clay & Oakland, Brooklyn, N. Y.
See adv index at end of book
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
Merrill Bros., 3 Arnold, Maspeth, L. I.
See adv index at end of book
Philadelphia Machine Screw Works, 624 Race, Phila., Pa.
Reed & Prince Mfg. Co., Worcester, Mass.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
Waltham Screw Co., Waltham, Mass.
Western Automatic Mach. Screw Co., Elyria, O.
Western Screw Products Co., 19 St. George, St. Louis, Mo.
Worcester Machine Screw Co., Standard Screw Co., Successor, Worcester, Mass.

13210c—Screws (Nickel Silver)

Austin & Smith Co. (Hand), 164 Brewery, New Haven, Conn.
See adv index at end of book
Autoscrew Company, 355 West Broadway, New York
See adv index at end of book
Barnes The Wallace Co., Bristol, Conn.
See adv index at end of book
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
Rochester Machine Screw Co., 15 Caledonia av, Rochester, N. Y.

13211— Screws (Optical)

Austin & Smith Co. (Hand), 164 Brewery, New Haven, Conn.
See adv index at end of book
Autoscrew Company, 355 West Broadway, New York. *See adv index at end of book*
Barnes The Wallace Co., Bristol, Conn.
See adv index at end of book
Chapman Machine Corp., Terryville, Conn.
See adv index at end of book
Greer Frederic, 2608 Flournoy, Chicago, Ill.
Hartford Machine Screw Co., Hartford, Conn.
Waltham Screw Co., Waltham, Mass.

13212—Screws (Ore Washer)

Bethlehem Steel Co., So Bethlehem, Pa.
HINDLEY GEAR CO., 1105 Frankford av, Philadelphia, Pa.
See adv index at end of book

13213— Screws (Pad)

Frazer & Jones Co., Syracuse, N. Y.
North & Judd Mfg. Co. ("Anchor Brand"), New Britain, Conn.

13214—Screws (Pattern Lifting)

Federal Malleable Co. ("Fraser"), West Allis, Wis.

13215—Screws (Phosphor Bronze)

Austin & Smith Co. (Hand), 164 Brewery, New Haven, Conn.
See adv index at end of book
Autoscrew Company, 355 West Broadway, New York. *See adv index at end of book*
Barnes The Wallace Co., Bristol, Conn.
See adv index at end of book
Bell David Co., Inc. (The), 1555 Fillmore av, Buffalo, N. Y.
See adv index at end of book
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
Chapman Machine Corp., Terryville, Conn.
See adv index at end of book
Merrill Bros., 3 Arnold, Maspeth, L. I.
See adv index at end of book

Screws (Plated & Lacquered)

See Screws, Wood; also Screws, Brass, etc

13216— Screws (Plumbers')

See also Washers, Plumbers

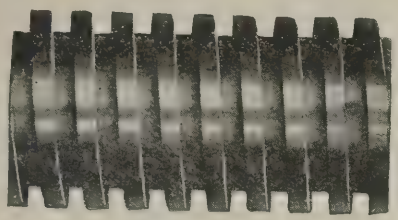
American Pin Co. ("Ampinco" Brass & Iron), Waterbury, Conn.
Ansonia Mfg. Co. (Brass), H River rd, Ansonia, Conn.
Autoscrew Company, 355 West Broadway, New York. *See adv index at end of book*
Berbecker & Rowland Mfg. Co. (Brass), Waterville, Conn.
Bernz Co., Inc., Otto, 17 Ashland, Newark, N. J.
See adv index at end of book
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
Chapman Machine Corp., Terryville, Conn.
See adv index at end of book
Edwardsville Brass Co. (Traps, etc), Edwardsville, Ill.
Frost Mfg. Co. (Brass Closet), Kenosha, Wis.
Gibson Bros. Mfg. Co., North Chicago, Ill.
Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, O.
Hassall John, Inc. (Globe), Clay & Oakland, Brooklyn, N. Y.
See adv index at end of book
Hays Mfg. Co. (Brass Trap), Erie, Pa.
See adv index at end of book
New England Screw Co., 44 Farnsworth, Boston, Mass.
Reed & Prince Mfg. Co., Dept. H, Worcester, Mass.
Russell J. M. Mfg. Co., Naugatuck, Conn.
Starbuck R. M. & Sons, Hartford, Conn.
Steele & Johnson Mfg. Co., Waterbury, Conn.
United States Hdwe. & Mfg. Co. (Brass & Iron Closet), 16H Warren av, Pawtucket, R. I.
Waterbury Mfg. Co., Div. Chase Companies, Inc., Waterbury, Conn.
Winsted Hardware Mfg. Co., Winsted, Conn.
Wolverine Brass Works (Closet, etc), Grand Rapids, Mich.

13217—Screws (Power, Lead & Feed)

Crofoot Gear Co. Inc., Readville, Mass.
HINDLEY GEAR CO., (Any length, any pitch, any style thread) 1105 Frankford av, Phila., Pa.
See adv index at end of book

13218— Screws (Press)

American Skein & Foundry Co. (For Pressing Cider, Tobacco, Cheese, etc), Racine, Wis.
HINDLEY GEAR CO., 1105 Frankford av, Philadelphia, Pa.
See adv index at end of book
Illinois Iron & Bolt Co. (For Pressing Cider, Tobacco, Cheese, etc), Carpentersville, Ill.



HINDLEY GEAR CO.

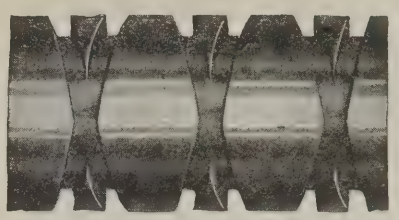
1105 FRANKFORD AVE.
PHILADELPHIA, PA.

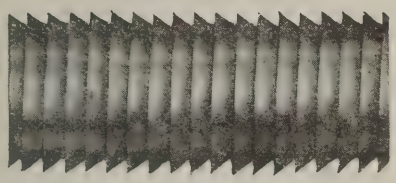
Manufacturers of

LEAD
FEED
POWER

SCREWS

Any Length
" Dia.
" Pitch







13219— Screws (Rigging)

HINDLEY GEAR CO., 1105 Frankford av, Philadelphia, Pa.
See adv index at end of book
Merrill Bros., 3 Arnold, Maspeth, L. I.
See adv index at end of book
Wilcox Crittenden & Co. Inc., 444 S Main, Middletown, Conn.
See adv index at end of book

13220—Screws (Rolled Thread)

Ansonia Mfg. Co. (Brass), H River rd, Ansonia, Conn.
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O.
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
Corbin Screw Corp., New Britain, Conn.
General Mfg. Co., Waterbury, Conn.
HASSALL JNO. (INC.), Clay & Oakland, Brooklyn, N. Y.
See adv index at end of book
National Acme Co., 7500 Stanton av N E, Cleveland, O.
New England Screw Co., 44 Farnsworth, Boston, Mass.
Pawtucket Screw Co., 143 Hughes av, Pawtucket, R. I.
Progressive Mfg. Co., Torrington, Conn.
Reed & Prince Mfg. Co.. Worcester, Mass.

13220a— Screws (Safety Set)

Allen Mfg. Co. ("Allen" Patent), 133 Sheldon, Hartford, Conn.
Bristol Co. ("Bristo" Safety), Waterbury, Conn.
See adv index at end of book
Harper F. C. Screw Wks., 19 E 8th, Chicago, Ill.
St. Louis Screw Co., Clarence av, E, St. Louis, Mo.

13221— Screws (Saw)

Autoscrew Company, 355 West Broadway, New York. *See adv index at end of book*
Corbin Screw Corporation, New Britain, Conn.
Coulter-Curtis Screw Co. Inc., 17H Gull, Buffalo, N. Y.
Disston H. & Sons, Tacony, Phila., Pa.
Detroit Screw Works, 1477 Atwater E, Detroit, Mich.
Reed & Prince Mfg. Co., Dept. H, Worcester, Mass.
Sargent & Co. (Brass), New Haven, Conn.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.

Screws (Set)

See Screws, Cap & Set

13222—Screws (Set, Hollow)

(Names with * also manufacture Monel Metal)
*Allen Mfg. Co., 133 Sheldon, Hartford, Conn.
Autoscrew Company, 355 West Broadway, New York. *See adv index at end of book*
Barnes The Wallace Co., Bristol, Conn.
See adv index at end of book
BRISTOL CO. ("Bristo Safety"), Waterbury, Conn. *See adv index at end of book*
Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
*Everitt Co., 275 Franklin, Boston 9, Mass.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Mac-It Parts Co., Lancaster, Pa.
NEW HAVEN SCREW CO. ("Foster" Safety), 199 Foster, New Haven, Conn.
See adv index at end of book
Rochester Machine Screw Co., 15 Caledonia av, Rochester, N. Y.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
Standard Pressed Steel Co. ("Standco" "Unbrako" Safety), 20th, Jenkintown, Pa.
Strong, Carlisle & Hammond Co. ("Mac-It"), 336 Frankfort av, N. W., Cleveland, O.

13223—Screws (Sheet Metal)

LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Parker-Kalon Corp. ("Parker-Kalon"), 362 W 13th, New York

13224— Screws (Shutter)

Sargent & Co., New Haven, Conn.

13225— Screws (Side Knob)

Ansonia Mfg. Co. (Brass), H River rd, Ansonia, Conn.
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
Corbin Screw Corp., New Britain, Conn.
Harper F. C. Screw Wks., 19 E. 8th, Chicago, Ill.
Hassall Jno. (Inc.), Clay & Oakland, Brooklyn, N. Y.
See adv index at end of book
Penn. Hardware Co., Reading, Pa.
Reed & Prince Mfg. Co.. Worcester, Mass.
Zeigler Mfg. Co., Alexandria, Ind.

13226— Screws (Skein)

American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
Bethlehem Steel Co., So Bethlehem, Pa.
Crescent Tool Mfg. Co., 1002 Cass av, St. Louis, Mo.
Foster Bolt & Nut Mfg. Co., Union av & 72nd, Cleveland, O.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lamson & Sessions Co., 2188 Scranton rd, Cleveland, O.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.

13227— Screws (Special)

AUTOSCREW CO. (Unexcelled facilities for making special screws in large or small quantities on automatics and hand machines. Automatic capacity ⅛ to 4¼" Brass, Steel, Monel, Nickel, Copper, Bronze, Aluminum, Yellow Metal, etc), 355 W Broadway, New York
See adv index at end of book
NATIONAL SCREW & MFG. CO., THE, 2440 E 75th, Cleveland, O.

13228— Screws (Stop Bead)

Lawrence Bros., Sterling, Ill.
National Mfg. Co. ("One Piece"), Sterling, Ill.

13229— Screws (Stud)

Ansonia Mfg. Co. (Brass), H River rd, Ansonia, Conn.
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio
Autoscrew Company, 355 West Broadway, New York. *See adv index at end of book*
Bell David Co., Inc. (The), 1555 Fillmore av, Buffalo, N. Y.
See adv index at end of book
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
Chapman Machine Corp., Terryville, Conn.
See adv index at end of book
Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
Cleveland Wrought Products Co., The, 3400 W 58th, Cleveland, Ohio
See adv index at end of book
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hill-Smith Metal Goods Co., 102 Brookline av, Boston, Mass.
Michigan Screw Co., Lansing, Mich.
Miles Franklin S., 205 Quarry, Phila., Pa.
Republic Iron & Steel Co., Youngstown, O.
See Branch Offices Alphabetical Section
Reynolds James Mfg. Co., 99 Mill River, New Haven, Conn.
Rochester Machine Screw Co., 15 Caledonia av, Rochester, N. Y.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
Waltham Screw Co., Waltham, Mass.
Western Automatic Mach. Screw Co., Elyria, O.
Western Screw Products Co. (Brass or Steel Knurled), 19 St. George, St. Louis, Mo.
Zeigler Mfg. Co., Alexandria, Ind.

13230—Screws (Telegraph Pole)

Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio
Merrill Bros., 3 Arnold, Maspeth, L. I.
See adv index at end of book

13231— Screws (Thumb)

Ansonia Mfg. Co. (Brass & Copper), H River rd, Ansonia, Conn.
Billings & Spencer Co., ("B & S") Hartford, Con.
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Chapman Machine Corp. (Knurl), Terryville, Conn. *See adv index at end of book*
Chicago Screw Co. (Drop Forge & Malleable Iron), **Homan av & Fillmore, Chicago, Ill.**
Clark Bros. Bolt Co., Millidale, Conn.
See adv index at end of book
Corbin Screw Corp., New Britain, Conn.
Coulter-Curtis Screw Co. Inc., 17 H Gull, Buffalo, N. Y.
Detroit Screw Works, 1477 Atwater E, Detroit, Mich.
Devlin Thos. Mfg. Co. (Malleable Only), 3rd & Lehigh av, Phila., Pa.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Harper F. C. Screw Wks., 19 E 8th, Chicago, Ill.
Harris Samuel & Co ("Harris"), 114 N Clinton, Chicago, Ill.
Hartford Machine Screw Co., Hartford, Conn.
Haskell Wm. H. Mfg. Co. (Drop Forged), Pawtucket, R. I.
Hill-Smith Metal Goods Co., 102 Brookline av, Boston, Mass.
Miles Franklin S., 205 Quarry, Phila., Pa.
Moore Drop Forging Co., Springfield, Mass.
New England Screw Co., 44 Farnsworth, Boston, Mass.
Page Storms Drop Forge Co. (Drop Forged), Chicopee, Mass.
Parker Wire Goods Co. (Wire Box, Thumb), Worcester, Mass.
Petry N. A. Co., Inc., 328-34 Randolph, Phila., Pa.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
Rhode Island Tool Co., Providence, R. I.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Welch T. F. Co. (Brass), 55 Sudbury, Boston, Mass.

(Continued on following page)

Screws (Thumb)—Continued

Western Automatic Mach. Screw Co., Elyria, Ohio
Western Screw Products Co. (Brass or Steel Knurled), 19 St. George, St. Louis, Mo.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Wrightsville Hardware Co. (With Wrought Bolt), Wrightsville, Pa.

13232— Screws (Tobacco)

Bates Elevator Co., 211 Preston, Baltimore, Md.
Ripley Foundry & Machine Co. ("Parker," Stationary), Ripley, O.

13233—Screws (Watch & Clock)

Austin & Smith Co. (Hand), 164 Brewery, New Haven, Conn.
See adv index at end of book
Waltham Screw Co., Waltham, Mass.

Screws (Water Closet)

See Screws, Plumbers

13234— Screws (Wood)

(Names with * also manufacture Monel Metal)
American Screw Co., 21 Stevens, Providence, R. I.
Atlantic Screw Works (Brass & Bronze), (David Tilton, Prop.), Hartford, Conn.
Bethlehem Steel Co., Bethlehem, Pa.
*Bridgeport Screw Co. ("B. S. Co." Iron, Steel & Brass), Union av, Bridgeport, Conn.
*Champion Mfg. Co., 7332 Kimbark av, Chicago
Continental Wood Screw Co., New Bedford, Mass.
Corbin Screw Corporation, New Britain, Conn.
*Eagle Brass Foundry Co., 21 Spokane, Seattle, Wash.
Eagle Lock Co., Terryville, Conn.
*Everitt Co., 275 Franklin, Boston 9, Mass.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Hassall John, Inc., Clay & Oakland, Brooklyn, N. Y.
See adv index at end of book
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
National Screw & Mfg. Co., The, 2440 E 75th, Cleveland, Ohio
*Pacific Foundry Co., Harrison & 18th, San Francisco, Cal.
Parker Chas. Co., Dept. H, Meriden, Conn.
Penn. Hdw. Co., Reading, Pa.
Rawles Jas. D. Co., 113 Broad, Boston, Mass.
Reading Screw Co. (Brass & Iron), Norristown, Pa
*Reed & Prince Mfg. Co. (Steel, Brass & Bronze), Worcester, Mass.
*Schwartz Mill Supply Co., Inc., Edward, 520 Toulouse, New Orleans, La.
*Sholes, Inc., 186 Lafayette, New York
Southington Hardware Co., Southington, Conn.
*Steel Sales Corp., 129 S Jefferson, Chicago
Townsend Co., New Brighton, Pa.
See adv index at end of book
*Tull Rubber & Sup. Co. J. M., 150 Marietta, Atlanta, Ga.
*Whitehead Metal Products Co., 67 Washington, N., Boston, Mass.
*Whitehead Metal Products Co. of New York, Inc., 261 Canal, New York
*Williams & Co., Inc., 901 Pennsylvania av, Pittsburgh, Pa.
York Screw Works, Dept. H, York, Pa.

13235— Screws (Wooden)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Peirce Wm. E. & Co., Milford, N. H.

13236—Scribers (Adjustable, Etc.)

Starrett L. S. Co., Athol, Mass.

13237—Scribers (Machinists)

Brown & Sharpe Mfg. Co., Providence, R. I.
Goodell-Pratt Co., Greenfield, Mass.
Millers Falls Co. (West Haven Plant) "West Haven"), Dept. H, Millers Falls, Mass.

13238-9—Scribes (Timber)

Bemis & Call Hardware & Tool Co., 983 S Main, Springfield, Mass.

13239a— Scrolls (Wooden)

See also Ornaments, Wood

Bogert & Hopper Inc., 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Spanjer Bros, 198 Badger av, Newark, N. J.

13239b—Scrubbers (Air & Gas)

BAYLEY MFG. CO., 766 Greenbush, Milwaukee, Wis.

Scrubbers (Ammonia)

See Purifiers & Scrubbers, Gas

13240— Scrubbers (Floor)

Dennis W. J. & Co. ("Ideal" Rubber), 2120 W Lake, Chicago, Ill.
Standard Cleaner Co. (Rubber), 136 W Lake, Chicago, Ill.

Scrubbers (Gas)

See Purifiers & Scrubbers, Gas

13240a—Scrubbers (Stone & Sand)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book

Sculptors (Architectural)

See Modelers & Sculptors, Architectural; also Carvers, Stone

13241— Scuppers

Covert H. W. Co. (Windproof—Hooded), 137 E 46th, New York
Dean O. J. & Co., 179 W Washington, Chicago, Ill.
Electric Welding Co., Benedum Trees bldg, Pittsburgh, Pa.
Watertite Drain & Scupper Co., 137 E 46th, New York

13242—Scutches (Bricklayers')

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Plomb Tool Mfg., 2209 Santa Fe av, Los Angeles, Cal.

13242a— Scuttles (Ship)

Thacher Propeller & Foundry Corp., Albany, N. Y.
Williams & Wells Co., 253 Fulton, New York *See adv index at end of book*

13243— Scythe Mfrs.

American Axe & Tool Co., Glassport, Pa.
Boker Cutlery & Hardware Co., 101 Duane, New York
Columbian Cutlery Co. (Grass, Weed & Bush), Reading, Pa.
Dunn Edge Tool Co. ("Clipper," "Damascus," "Black Champion"), Oakland, Me.
Emerson & Stevens Mfg. Co., Oakland, Me.
Kelly Axe Mfg. Co. ("Kelly Perfect"), "Flint Edge" "Vulcan"), Charleston, W. Va.
North Wayne Tool Co. ("C. C. Brooks," "Little Giant," "Be Ve Be"), Hallowell, Me.
Rixford Mfg. Co., East Highgate, Vt.
Sibley Scythe Co., North Newport, N. H.
Wadsworth David & Son, Auburn, N. Y.
Winsted Mfg. Co. (Grass, Grain, Bush, Bramble, Weed & Lawn), Winsted, Conn.

13244— Scythe Snaths

American Fork & Hoe Co., Swetland bldg, Cleveland, O.
Brinser E. C. Sons, Richmond, Va.
Derby & Ball, Bellows Falls, Vt.
Edwards & Edwards, Waterbury, Vt.
Emerson & Stevens Mfg. Co., Oakland, Me.
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Fenn Mfg. Co. ("Independent"), Charlotte, Mich.
North Indianapolis Cradle Works, Indianapolis, Ind.
Seymour Mfg. Co. ("Princess," "Daisy," "Nivision," "So. African Creedmoor"), Seymour, Ind.

13245— Seacoal

Lookout Paint Mfg. Co., Chattanooga, Tenn.
Midvale Mining & Mfg. Co., Central Natl. Bank bldg, St. Louis, Mo. Works: East St. Louis, Ill.

13246—Seals (Case & Box)

CARY MFG. CO. ("Cary's Patented Protective Seals), Nassau & Jay, Brooklyn, N. Y. *See adv index at end of book*
Consolidated Steel Strapping Co., 2600-20 N Western av, Chicago, Ill.
See adv index at end of book
Edgar Steel Seal & Mfg. Co. (Milk, Car, Laundry & Basket), Lawrence, Kan.
Grammes L. F. & Sons, Allentown, Pa.
See adv index at end of book
Milwaukee Label & Seal Co. ("Jubian" Gold"), 161 Michigan, Milwaukee, Wis.
Porter Safety Seal Co. (Money Bag, Cording, etc.), 163 W Harrison, Chicago, Ill.
Stanley Works, New Britain, Conn.
Wire & Steel Products Co., Inc., 421 E 22nd, New York
See adv index at end of book

13246a— Seals (Embossed)

Dennison Mfg. Co., S Framingham, Mass.
Grand Rapids Label Co., Grand Rapids, Mich.
Mason F. E. & Sons, 100H Franklin, Batavia, N. Y.
Melind Louis Co., 362 N Chicago av, Chicago, Ill.
Shuman Frank G. (Gold, Silver & Paper), 216 N Clinton, Chicago, Ill.
Swisher R. D. Mfg. Co. ("Folger"), 415H S Clinton, Chicago, Ill.
Tablet & Ticket Co., 624 W Adams, Chicago, Ill.

13246b— Seals (Jar)

See also Caps (Bottle & Flask)

Anchor Cap & Closure Corp., 22 Queens, Long Island City, N. Y.
National Metal Seal Corp., 60 Wall, New York
Victor Jar Co., 1321 Monroe, Detroit, Mich.

13247— Seals (Lead)

Acme Steel Goods Co. ("Acme"), 2834 Archer av, Chicago, Ill.
American Casting & Mfg. Corp. 30 Main, Brooklyn, N. Y.
Chadwick-Boston Lead Co., Boston, Mass.
Dickey Grabler Works of the Bankers Savings & Credit System Co., W Madison & 103, Cleveland, Ohio
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Hiertz Theo. Metal Co., Alaska & Tesson, St. Louis, Mo.
Lawrence Shot & Lead Co., Omaha, Neb.
Matthews Jas. H. & Co. (Car), 3942 Forbes, Pittsburgh, Pa.
See adv index at end of book
Porter Safety Seal Co., 163H W Harrison, Chicago, Ill.
Reed Evan L. Mfg. Co., Tipton, Danville, Ill.

Seals (Meter)

See Meter Seals

13248—Seals (Shipping Case)

American Box Strapping Co., Inc., 313 E 22nd, New York
Grammes L. F. & Sons ("Safety-First," "Protective," "Safety"), 311 Union, Allentown, Pa.
See adv index at end of book
Mensha Wooden Ware Co. ("Mensha," Wooden for Candy, Cocoanut, Lard, Pails, etc), Mensha, Wis.

13249— Seals (Tin)

Acme Steel Goods Co. ("Acme"), 2834 Archer av, Chicago, Ill.
Porter Safety Seal Co. ("Porter," Safety), 163 W Harrison, Chicago, Ill.

13250-1-2—Seals & Sealing Presses (Car)

American Casting & Mfg. Corp., 30 Main, Brooklyn, N. Y.
American Railway Supply Co., 134 Charles, New York
Brooks E. J. & Co., 98 Park pl, New York
Chicago Car Seal Co. (Shippers), 364 N Green, Chicago, Ill.
Dickey Grabler Wks. of the Bankers Savings & Credit System Co. (Corporation & Material), W Madison & 103rd, Cleveland, Ohio
Dickey Mfg. Co. ("Premier"), Indiana Harbor, Ind.
Edgar Steel Seal & Mfg. Co. (Steel Seals), Lawrence, Kans.
Handlan-Buck Mfg. Co. ("Handlan's"), 210-14 N 3d, St. Louis, Mo.
Hiertz Theo., Alaska & Tesson (Lead Car Seals), St. Louis, Mo.
Hill-Independent Mfg. Co., High & P R. R., Phila., Pa.
Howlet J. & Co. (Lead Car Seals), Irvington, N. J.
International Seal & Lock Co. ("Tyden" Self-Locking Seals), Hastings, Mich.
Keystone Seal & Press Co. ("Keystone" "Giant," Bull Dog Presses & "Keystone" Anchor," "Diamond," "Duplex" Seals), 30 Main, Brooklyn, N. Y.
National Car Seal Co., Hamilton, O.
Northwestern Car Seal Co., 108 N Jefferson, Chicago, Ill.
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.
Utica Drop Forge & Tool Co. (Presses), Utica, N. Y.
Zelnicker Walter A. Supply Co., 325 Locust, St. Louis, Mo.

13253— Seamers (Roofing)

Burritt O. W. & Bro. ("Burritts" Double & Cross Lock for Tin & Galvanized Roofing), Weedsport, N. Y.
Dickey Grabler Works of the Bankers Savings & Credit System Co., W Madison & 103, Cleveland, Ohio
Emrich Phil. ("Emrich" Double, etc), 824 Main, Cincinnati, O.
Merchant & Evans, Washington av & 21st, Philadelphia, Pa.

Searchlights

See Projectors or Searchlights

13254-5-6—Searchlights (Acetylene)

Brilliant Search Light Mfg. Co. (To Wear On Head), 529 S Dearborn, Chicago, Ill.
Hall, C. M., Lamp Co. ("Solar"), Hancock & Rivard, Detroit, Mich.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Milburn Alexander Co., 1420 W Baltimore, Baltimore, Md.
National Marine Lamp Co., Forestville, Conn.
Rose Mfg. Co. ("Neverout"), 37th & Filbert, Phila., Pa.

Searchlights (Electric)

See Projectors or Searchlights

Seating

See Furniture, School; also Furniture, Church; also Opera Chairs & Assembly **Seating**

Seating (Car)

See Car Seats, Chairs & Fittings

13257— Seating (Veneer)

Adler Veneer Seat Co., Payntar av, Long Island City, N. Y.
Ahnapee Veneer & Seating Co., Algoma, Wis.
American Fibre Chair Seat Corp., 540 Van Alst av, Long Island City, N. Y.
American Seating Co. (Chairs & Benches), 14H E Jackson blvd, Chicago, Ill.
Eggers Fred Veneer Seating Co., Two Rivers, Wis.
Frost's Veneer Seating Co. (Ltd.), Sheboygan, Wis.

13258—Seats (Agricultural Implement)

American Shovel & Stamping Co., Lorain, Ohio
Bethlehem Steel Co., Bethlehem, Pa.
Moline Pressed Steel Co., East Moline, Ill.
Niles Steel Products Co. ("Niles"), Niles, Ohio *See adv index at end of book*
YOUNGSTOWN PRESSED STEEL CO. (Pressed Steel), Warren, O.
See adv. index at end of book

13259— Seats (Automobile)

American Auto Top Mfg. Co. (Folding Auxiliary), 1451 Wash blvd, Chicago, Ill.
Amesbury Brass & Foundry Co., Amesbury, Mass.
Brunn & Co. (Folding), 988 Ellicott, Buffalo, N. Y.
Buffington C. A. & Co. ("Buffington" Steel Chairs & Tools), Berkshire, N. Y.
Central Mfg. Co. (Steel), Connersville, Ind.
Chicago Coach & Carriage Co. (Folding), 1223 S Michigan av, Chicago, Ill.
Chicago Steel Foundry Co. (Cast Steel Spring Seats to Order), 3701 S Kedzie av, Chicago, Ill.
Dann Bros. & Co., New Haven, Conn.
Essex Brass Foundry Co. (Auxiliary), Cambridge, Mass.
Fort Pitt Bedding Co. (Cushions), Dept. H, Liverpool & Preble av, Pittsburgh, Pa.
Gray Auto Equipment Co. ("Gray"), 569 3rd, Oakland, Cal.
Hodge & Graves Co. ("Luxury" Revolving Auxiliary Chairs), Amesbury, Mass.
Kimball C. P. & Co. (Folding), 3900 S Michigan av, Chicago, Ill.
Kreidler Auto Top Co., Trenton, N. J.
McKinnon Dash Co. ("McKinnon" Folding), 252 Amherst, Buffalo, N. Y.
Miller A. J. & Co., Bellefontaine, O.
Niagara Auto Radiator Co. (Metal), 151 W 68th, New York
Polson Mfg. Co. ("Polson" Auxiliary), 1754 Main, Buffalo, N. Y.
Sterling Top & Equipment Co., 513 W 57th, New York
Sussman M. & Rosenburg Mfg. Co., Tarrytown, N. Y.
Union City Body Co., Union City, Ind.
Vincent-Alward Co., Kenosha, Wis.
Walker-Wells Co., Amesbury, Mass.

13260— Seats (Bath Tub)

Bogert & Hopper, Inc. (Wooden, also Closet), 57 Barclay, New York
See adv index at end of book
Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Central Specialty Mfg. Co., 404 S Kalman av, Chicago, Ill.
Church C. F. Mfg. Co. ("White Pyralin"), Holyoke, Mass.
Columbus Brass Co., 620 Dublin av, Columbus, Ohio *See adv index at end of book*
Eastern Specialty Mfg. Co., Scranton, Pa.
Edwardsville Brass Co., Edwardsville, Ill.
Estes E. B. & Sons (Wooden), 364 5th av, New York *See adv index at end of book*
Eustis J. P. Mfg. Co. ("Brasscrafters"), Cambridge, Mass.
Galard Co. ("Omala"), 335 6th av, Newark, N. J.
Hess Chas. Co. (For Export), 175 Water, New Y
Jenkins Mfg. Co., Bloomfield, N. J.
Leclaire Mfg. Co., Edwardsville, Ill.
Novelty Mfg. Co. ("Wilwear," Adjustable), Waterbury, Conn.
Parker Chas. Co., Meriden, Conn.
Plumbers' Woodwork Co., Algoma, Wis.
Queen Mfg. Co. ("Queen"), 1647 N Winchester, Chicago, Ill.
Searls Mfg. Co., 29 Mulberry, Newark, N. J.
Sillcocks-Miller Co. ("Celluvarno"), S Orange, N. J.
Silver & Co., 304 Hewes (Cellu, White Metal), Brooklyn, N. Y.
Smith E. C. Mfg. Co., 429 W Superior, Chicago, Ill.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Timberlake J. B. & Sons (Board Seat, Wire Hanger), Jackson, Mich.
U. S. Sanitary Mfg. Co. ("20th Century"), Arott bldg, Pittsburgh, Pa.
Wolverine Brass Works, Grand Rapids, Mich.

13261—Seats (Buggy, Steel)

Central Metal Products Co. ("C. M. P."), Canton, Ohio

13262— Seats (Chair)

Adler Veneer Seat Co. (Veneer), Payntar av, Long Island City, N. Y.
American Motor Body Co., Dept. H, 18th & Leigh av, Phila., Pa.
American Fibre Chair Seat Corp., 540 Van Alst av, L. I. City, N. Y.
Barber Leather Co. (Fibre), North Adams, Mass.
Blair Veneer Co. (Veneer, etc), "Douglas," "Crown," "Ulster"), North Troy, Vt.
Chicago Decorated Leather Co. (Fibre, etc), 2415 W 24th pl, Chicago, Ill.
DELAWARE HARD FIBRE CO. (Hard Fibre), Wilmington, Del. Works: Marshallton, Del. *See adv index at end of book*
Diamond State Fibre Co. (Hard Fibre), Dept. 37, Bridgeport, Pa.
See adv index at end of book
Economy Seat Co., Inc. ("On In a Minute" Upholstered Seats), 1824 Albert, Chicago, Ill.
Eggers F. Veneer Seating Co. (Veneer), Two Rivers, Wis.
Frost's Veneer Seating Co., (Ltd) (Veneer), Sheboygan, Wis.
Gary Theo. H. Co. ("Unicum"), 67 Irving pl, New York
Lubbers & Bell Mfg. Co. ("J. M." Upholstered, Steel Base), Clinton, Ia.
Marinna Spoke Co., Marianna, Ark.
National Vulcanized Fibre Co. (Fibre), Beech & Maryland av, Wilmington, Del.
See adv index at end of book
Pick Richard Mfg. Co. (Fibre, etc), 224 N Wells, Chicago, Ill.
Spaulding Fibre Company, Inc. (Fibre), North Rochester, N. H.
See adv index at end of book
Standard Fibre Co. (Hard Fibre), Miller st, Somerville, Mass.
Wilmington Fibre Specialty Co., Wilmington, Del.

13263— Seats (Closet)

See also Plumbers' Woodwork

Albright Mfg. Co. ("Albright"), Rural Hall, N. C.
American Fibre Chair Seat Corp., 540 Van Alst av, Long Island City, N. Y.
American Sanitary Works ("B. O. T."), Washington, N. J.
B. R. E. Mfg. Co. ("Bre Hygienic" & "Breloid"), Hyde Park, Mass.
Becker Mfg. Co. ("Hercules"), Marietta, Ohio.
Berglas M. P. Mfg. Co., 10 Fulton, Brooklyn, N. Y.
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Brunswick-Balke-Collender Co. ("Whale-Bone-Ite"), 629 S Wabash av, Chicago, Ill.
Church C. F. Mfg. Co. ("White Pyralin," "Crescent," "Famous," "Climax," "Eclipse," "Excello," "Pyralin"), Holyoke, Mass.
Columbus Brass Co. ("Brasco"), 620 Dublin av, Columbus, Ohio
See adv index at end of book
Concord Woodworking Co., Concord, N. H.
Cooper Sanitary Mfg. Co. ("Porceloid" White), 34th & Chestnut, Phila., Pa.
Cowan Mfg. Co., Fulton bldg, Pittsburgh, Pa.
Coyne & Delany Co. ("C. & D."), 832 Kent av, Brooklyn, N. Y.
Douglas John Co., Carthage, Cincinnati, O.
Edwardsville Brass Co., Edwardsville, Ill.
Eichman J. C. Mfg. Co. ("Hammerlock"), Bush & Wicomico, Baltimore, Md.
Emery Wm. S. ("Acme," "Primrose," "Non-Split"), 118 E 28th, New York
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Fibre Corporation, Lockport, N. Y.
Galard Co. ("Omala"), 335 6th av, Newark N. J.
Globe Furniture Co. Ltd., Northville, Mich.
Grand Rapids Hand Screw Co. ("Bull Dog," "Globe"), Grand Rapids, Mich.
Haines, Jones & Cadbury Co. ("Relyo," "Fema," "Ivoroid"), 1136 Ridge av, Phila., Pa.
Hayes-Ruppel Mfg. Co. ("Ruppelite" Ottawa & Louis), Grand Rapids, Mich.
Heap, Wm. & Sons, Grand Haven, Mich.
Knott Mfg. Co., Tell City, Ind.
Leclaire Mfg. Co., Edwardsville, Ill.
Meyer-Sniffen Co. ("Climax"), 11 W 48th, New York
Miller Chas. A. Co., Sturgis, Mich.
Mott J. L. Iron Works, Trenton, N. J.
Nelson N. O. Mfg. Co., 10th & Chestnut, St. Louis, Mo.
Never Split Seat Co. ("Never Split"), Evansville, Ind.
Olmstead-Thomson Mfg. Co. ("Square Deal"), New Britain, Conn.
Osada Sheet Metal & Wood Works, 1422 S Front, Phila., Pa.
Peerless Selling Co. ("Don't Worry"), Evansville, Ind.
Peirce W. E. & Co., Milford, N. H.
Phila. Sheet Metal & Wood Works, 1824 E Clearfield, Phila., Pa.
Plumbers' Woodwork Co. ("Badger"), Algoma, Wis.
Rumsey L. M. Mfg. Co., 4372 Westminster, St. Louis, Mo.
Sanitary Spec. Co. ("Ivorid," "Porceloid"), Hazard & Collins, Phila., Pa.
Sanitas Mfg. Co. ("Rollins" & Cover), 105 Washington, Boston, Mass.
Sani-White Products Co. ("Sani-White"), Santa Clara, Cal.
Sherwood Brass Wks. ("Sherwood" Aluminum), 6331 Jefferson, E, Detroit, Mich.
Shwab Bros. Co. ("Neverbreak" & Childs Comfort), 811 E 9th, New York
Sillcocks-Miller Co. ("Celluvarno"), S Orange, N. J.
Standard Sanitary Mfg. Co. ("Ivorite"), Bessemer bldg, Pittsburgh, Pa.
Standard Tank & Seat Co. ("Everlasting," "Ivory," Celluloid Covered), Camden, N. J.
Teahen James M. ("Vitio"), 5155 Cass, Detroit, Mich.
Thompson Mfg. Co., Holland, Mich.
Van Arnam Mfg. Co. ("Van-Ar-Co." "Samson"), Ft. Wayne, Ind.
Ventilating Closet Seat Co., Wausau, Wis.
Zero Valve & Brass Mfg. Co., 643 4th, Buffalo, N. Y.

13264—Seats (Elevator, Folding)

Cook C. A. Co. ("Utility"), Cambridge, Mass.
Faul & Timmins, 149 Oak, Buffalo, N. Y.

13265— Seats (Folding)

American Auto Top Mfg. Co. (Auxiliary), 1451 Wash blvd, Chicago, Ill.
Brunn & Co., 988 Ellicott, Buffalo, N. Y
Bryan Novelty Mfg. Co. ("Bryan" Folding Counter), Bryan, O.
Chicago Coach & Carriage Co., 1223 S Michigan av, Chicago, Ill.
Cook C. A. Co. ("Utility" Store Folding), Cambridge, Mass.
Economy Wall Fixture Co., 4274 S Main, Los Angeles, Cal.
Faul & Timmins (Store Folding), 149 Oak, Buffalo, N. Y.
Hodge & Graves Co. ("Luxury"), Amesbury, Mass.
Imperial Bit & Snap Co. (Steel Third Buggy Seat), Racine, Wis.
Kimball C. P. & Co., 3900 S Michigan av, Chicago, Ill.
McKinnon Dash Co., 252 Amherst, Buffalo, N. Y.
Metal Stamping Co. ("Peerless"), 13th, Long Island City, N. Y.
Racine General Mfg. Co. (Jobbers), Racine, Wis.

13266— Seats (Motorman's)

Cook C. A. Co. ("Utility"), Cambridge, Mass.
Electric Service Supplies Co. ("Keystone" Adjustable & Collapsible), 17th & Cambria, Phila., Pa.
Wood Chas. N. Co., 14 Federal, Boston, Mass.

13267— Seats (Pole)

Allen Iron & Steel Co., 3rd & Venango, Phila., Pa.
Bissell F. Co. ("Security"), Toledo, O.
Central Tile & Elec. Co. (Chairs), 310 N 11th, St. Louis, Mo.
Cook Electric Co., 2700 Southport, Chicago, Ill.
Fairmount Elec. Mfg. Co. (Chairs, Cars), 59th & Woodland, Phila., Pa.
Hall Frank B. (Houses), Newton Falls, O.
Hallett Iron Works ("Hallett" Safety), Harvey, Ill.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Lanz M. Bolt Co. (Cable), 2907H Carson, Pittsburgh, Pa.
Meckel Fred. L., 11 E 13th, Chicago, Ill.

13268—Seats (Spindle, Carriage)

Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book

13269— Seats (Stoop)

Leipzig A., Inc. (Willow), 14 W 24th, New York

Seats (Third)

See Seats, Folding

13270-1— Seats (Valve)

Anderson Rubber Works, Anderson, Ind.
Furness Bros. Co. (Alli Bronze), 1613 W Walnut, Chicago, Ill.
New Bedford Valve Mfg. Co. ("Whole Brand"), Dept. H, New Bedford, Mass.
Smeeth-Harwood Co. (For Hot Blast Stoves, Tuyeres & Coolers), 2401 W 22d, Chicago, Ill.
Trenton Brass & Machine Co. (For Galvanized Iron Siphons), Trenton, N. J.

13272—Sections (Honey Box)

Falconer W. T. Mfg. Co., Falconer, N. Y.

13273— Seeders (Beet)

American Seeding Machine Co. ("Superior"), Springfield, O.
Bateman Mfg. Co. ("Iron Age"), Greloch, N. J.
Caledonia Bean Harvester Works, Caledonia, N. Y.
Deere & Mansur Works (Drills), Moline, Ill.
Gale Mfg. Co., Albion, Mich.
McWhorter Mfg. Co., Riverton, N. J.
Moline Plow Co. (Four Row), Moline, Ill.
Parlin & Orendorff Co. ("P. & O."), Canton, Ill.

13274— Seeders (End Gate)

Bristol & Gale Co. ("Paragon"), 158 Carroll av, Chicago, Ill.
Foster & Williams Mfg. Co., Racine, Wis.
Freeman Mfg. Co., Racine, Wis.
See adv index at end of book
International Harvester Co. ("Hoosier"), H Harvester bldg, Chicago, Ill.
Johnson & Field Mfg. Co. ("Racine"), Racine, Wis.
Luthy & Co., Peoria, Ill.
Meadows Mfg. Co., Bloomington, Ill.
Monitor Drill Co., St. Louis Park, Minn.
Peoria Drill & Seeder Co. ("Gledale Agitator," "Peoria Agitator"), Peoria, Ill.
Sester Mfg. Co., Peoria, Ill.

13275— Seeders (Garden)

Allen S. L. & Co. ("Planet, Jr."), 5th & Glenwood, Phila., Pa.
American Fork & Hoe Co., Swetland bldg, Cleveland, Ohio
Bateman Mfg. Co., Grenloch, N. J.
Blocki F. Co., Sheboygan, Wis.
Hudson Mfg. Co., 324 3d av N, Minneapolis, Minn.
McWhorter Mfg. Co., Riverton, N. J.

13276— Seeders (Grass)

Crown Mfg. Co. (Wheelbarrow), Phelps, N. Y.
Cyclone Seeder Co., Urbana, Ind.
Eureka Mower Co., 16 Hickory, Utica, N. Y.
Fetzer & Co. ("Fetzer," "McSherry"), Springfield, Ill.
Rittenhouse J. F. ("Rittenhouse", also Tin Horn Seeders), Liberty Mills, Ind.
Seeder Mfg. Co., Homer, Mich.
Star Seeder Co., Shortsville, N. Y.
Thompson O. E. & Sons (Hand), Ypsilanti, Mich.

13277— Seeders (Raisin)

Enterprise Mfg. Co. of Pa., 3rd & Dauphin, Philadelphia, Pa.
Landers, Frary & Clark ("Crown"), New Britain, Conn.

13278— Seeders & Sowers

Seeders; also Sowers

Abbott S. B. (Hand Seeders), Goshen, Ind.
Allen S. L. & Co. ("Planet, Jr."), Bean, Pea, etc.), 15th & Glenwood, Phila., Pa.
American Seeding Machine Co. (Broadcast), Springfield, O.
Beaver Dam Mfg. Co. ("Ideal"), Beaver Dam, Wis.
Belcher & Taylor Agri. Tool Co. (Fertilizer "Stevens"), Chicopee Falls, Mass.
Blocki F. Co. (Broadcast Seeders), Sheboygan, Wis.
Cyclone Seeder Co. ("Cyclone" "Chicago" "Little Wonder" "Double Fan" 'Chicago" "Horn" "Little Giant No. 3" "Little Giant" "Little Giant Double Fan"), Urbana, Ind.
Deere & Mansur Works (Alfalfa), Moline, Ill.
Dowagiac Drill Co. (Seeders), Dowagiac, Mich.
Emerson-Brantingham Co., Rockford, Ill.
Eureka Mower Co., 16 Hickory, Utica, N. Y.
Fetzer & Co. ("Fetzer," "McSherry"), Springfield, Ill.
Foster & Williams Mfg. Co., Racine, Wis.
Gale Mfg. Co. (Broadcast), Albion, Mich.
Goodell Co. ("Cahoon" Hand), Antrim, N. H.
Hench & Dromgold Co. (Inc.), York, Pa.
Herschel R. Mfg. Co. (Hill & Drill), Peoria, Ill.
International Harvester Company of America (Inc.) (Empire, Hoosier, Kentucky), (Broadcast Seeders & Fertilizer Sowers), Harvester bldg, Chicago, Ill.
Janesville Machine Co., Janesville, Wis.
Johnson & Field Mfg. Co. (Scandinavian Broadcast), Racine, Wis.
King Drill Mfg. Co., Nebraska City, Neb.
La Crosse Plow Co. (Also Grass Seeder Attachments), La Crosse, Wis.
Luthy & Co. (Also Grass Seeder Attachments), Peoria, Ill.
Massey-Harris Harvester Co. (Disc Seeder), Batavia, N. Y.
Moline Plow Co. ("Monitor," "Economy," "Flying Dutchman," "Moline Giant"), Moline, Ill.
Owatonna Mfg. Co., Owatonna, Minn.
Peoria Drill & Seeder Co. ("Columbia," "Cyclone," "Union, Jr."), Peoria, Ill.
Rittenhouse J. F. (Grain Seeders), Liberty Mills, Ind.
Rock Island Plow Co., Dept. H, Rock Island, Ill.
Seeder Mfg. Co. (Wheelbarrow & Horn), Homer, Mich.
Star Seeder Co., Shortsville, N. Y.
Sterling Mfg. Co. ("Sterling"), Sterling, Ill.
Van Brunt Mfg. Co. (Broad Cast), Horicon, Wis.
Wayne Works, Richmond, Ind.

Segments (Commutator)

See Bars, Commutator

13279-80—Segments (Controller)

Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.
Eureka Co., North East, Pa.

13281— Selenium

American Smelting & Ref. Co., 120 B'way, New York
DRAKENFELD B. F. & CO., INC., 50 Murray, New York
FOOTE MINERAL CO., 109 N 19th, Phila., Pa.
Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book
Vitro Manfg. Co., H Bessemer bldg, Pittsburgh, Pa.

Self-Closing Work

See Cocks & Bibbs, Self-Closing

13282—Self-Feeders & Band Cutters for Threshers

Advance-Rumely Thresher Co., Inc. ("Rumely Ruth"), Laporte, Ind.
Avery Co. ("Avery," "Bartholomew"), Peoria, Ill.
Buffalo Pitts Co., 27 Carolina, Buffalo, N. Y.
Case J. I. Threshing Machine Co., Racine, Wis.
Emerson-Brantingham Co. ("Geiser Peerless"), Rockford, Ill.
Frick Co., Waynesboro, Pa.
Garden City Feeder Co., Pella, Ia.
Hart Grain Weigher Co. ("Langdon Ideal," "Hart New Model," "Langdon Junior"), Peoria, Ill.
Holt Mfg. Co. ("Chain), Stockton, Cal.
Huber Mfg. Co. ("New Huber"), Marion, O.
Jackson-Byron Iron Works (Self Feeder), Berkley, Cal.
Maytag Co. ("Parsons," "Ruth," "Hawkeye"), Newton, Ia.
Minneapolis Threshing Machine Co., Hopkins, Minneapolis, Minn.
Nichols & Shepard Co. ("Nicholas & Shepard," "Universal"), Battle Creek, Mich.
Port Huron Engine & Thresher Co., Port Huron, Mich.
Russell & Co. ("Boss"), Massillon, O.
Sandwich Mfg. Co., Sandwich, Ill.
Westinghouse Co., Schenectady, N. Y.
Wood Bros. Thresher Co., Des Moines, Ia.

13283— *Self-Starters

CUTLER-HAMMER MFG. CO. (Alternating and Direct Current), 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book

13284— Separators (Air)

GRISCOM-RUSSELL CO. "Stratton," Removes Moisture from Compressed Air), 92 West, New York
See adv index at end of book
Holly Pneumatic Systems, Inc., 145H W 45th, New York
Northern Blower Co. (The), Denison & W 65th, Cleveland, O.
See adv index at end of book
Pangborn Corp., Dept. H, Hagerstown, Md.
Sturtevant Mill Co. (Vibrating), Clayton & Park, Dorchester, Boston, Mass.
UNITED MACHINE & MFG. CO., Canton, Ohio
Western Engineering Co. ("Hickman"), 215 Market, San Francisco, Cal.

13285-6-7—Separators (Ammonia)

Crane Co. ("Crane" Ammonia Oil), 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
Steam Appliance Co. ("Victor"), Milwaukee, Wis.
Triumph Elec. Co., Dept. H, Oakley, Cincinnati, Ohio
UNITED MACHINE & MFG. CO., Canton, Ohio

13288— Separators (Barley)

Barnard & Leas Mfg. Co. (Also Malt), Moline, Ill.
Howes S. Co. Inc., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor" for Brewers & Maltsters), Silver Creek, N. Y.
Invincible Grain Cleaner Co., Silver Creek, N. Y.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Spaulding Horace R. ("Jessup"), 893 Folsom, San Francisco, Cal.
Sprout Waldron & Co., Muncy, Pa.
See adv index at end of book

13288a—Separators (Battery)

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Pacific Separator Co., 170 Hooper, San Francisco, Cal.
SEE-DRO SEPARATOR CO. ("See-Dro"), Hearst bldg, San Francisco, Calif.
Standard Battery Separator Co., 2444 E 53d, Los Angeles, Cal.
WESTERN LUMBER MFG. CO., Balfour bldg, San Francisco, Cal.

13289— Separators (Bean)

Avery B. F. & Sons, Louisville, Ky.
Howes S. Co. Inc., Silver Creek, N. Y.
Invincible Grain Cleaner Co., Silver Creek, N. Y.
Owens, J. L. Co., Fulton & S. E. Huron, Minneapolis, Minn.

13290— Separators (Bow)

See Also Sockets, Bow

Auto Specialties Mfg. Co., ("Bair"), Joliet, Ill.
Cowles C. & Co., New Haven, Conn.
Detroit Socket Co. ("Desoco"), 2744 W Jefferson, Detroit, Mich.
Eberhard Mfg. Co., C. & P. Ry. & Tennyson rd, Cleveland, O.
Essex Brass Foundry Co., Cambridge, Mass.
Jonah & George, Merrimac, Mass.
Keeler Brass Co., Grand Rapids, Mich.
Novelty Mfg Co., Waterbury, Conn.
Scherer H. & Co., 440 E. Jefferson av, Detroit, Mich.
Smith Jos. N. & Co., 2461 E Grand blvd, Detroit, Mich.
Weiss Chas. & Son ("American"), 4715 Cottage Grove av, Chicago, Ill.
Western Brass Mfg. Works, Marshal blvd & W 21st, Chicago, Ill.
Woodruff Walter W. & Sons Co., Mt. Carmel, Conn.

13291—Separators (Cement, Plaster, Etc.)

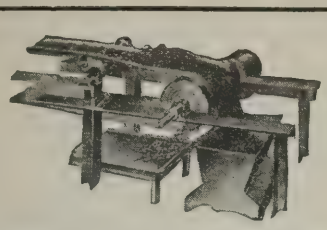
National Engineering Co., 549 W Washington blvd, Chicago, Ill.

13292—Separators (Centrifugal)

American Tool & Machine Co. ("Roper" for Separating Oil from Bolts, Nuts & Small Pieces, Metal Chips & Turnings, Belt or Motor Driven), 10 High, Boston, Mass.
Clark Dust Collecting Co., Fisher bldg, Chicago, Ill.
De Laval Steam Turbine Co., E. Trenton, N. J.
Fletchers Works, Glenwood & 2d, Phila., Pa.
National Separator & Machine Co., 739 Boylston, Boston, Mass.
OIL & WASTE SAVING MACHINE CO., Real Estate Trust bldg, Phila., Pa.
See adv index at end of book
Sharples Specialty Co. ("Super Centrifuge" for Wool Fat, Oils & Water Gas Tar), West Chester, Pa.

13293— Separators (Coal)

Anthracite Separator Co. ("Spiral," Automatic in Action), Hazleton, Pa.
Baker Edw. J. & Co., 608 Otis bldg., Chicago, Ill.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book



Here is the principle of the Dings. The pulley catches the iron and throws it aside letting the material pass on.

Dings High Intensity MAGNETIC SEPARATION

Dings Magnetic Separators—*"High Intensity!"*

EXTRACTING only part of the iron from your product isn't worth much—in short, paying for separation that only half separates means a loss.

Dings "High Intensity" Magnetic Separators because of Dings design give greater strength. Materials aren't skimped in a Dings as the weight will show. The result is pulling power that will extract all the tramp iron in your product.

Over 4,000 Dings Separators are in use in feed mills, foundries, rock crushing plants, rubber plants, glass plants, prepared food plants, etc.

—there is a type for every service

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Chicago.....115 S. Dearborn St.
Cincinnati..Mercantile Library Bldg.
Cleveland....855 Leader-News Bldg.
Denver.....1718 California St.
Detroit.....805 Hammond Bldg.
Los Angeles....San Fernando Bldg.
New York.....52 Vanderbilt Ave.
Pittsburgh.....1522 Oliver Bldg.
Richmond.....2106 E. Main St.
Salt Lake City.....201 Dooly Block
San Francisco.....419 Call Building
St. Louis.....611 Granite Bldg.

13294—Separators (Cotton Seed)

Bauer Bros. Co., Bauer bldg, Springfield, Ohio
Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Davidson & Kennedy Co., 872 N Ashley, Atlanta, Ga.
Diamond Huller Co., Winona, Minn.
Murray Co., Dallas, Texas
Robinson H. Mfg. Co., Muncy, Pa.
Sprout Waldron & Co., Muncy, Pa.
See adv index at end of book

13295—Separators (Cracked Corn)

Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
Howes S. Co. Inc., Silver Creek, N. Y.
Invincible Grain Cleaner Co., Silver Creek, N. Y.
Robinson H. Mfg. Co., Muncy, Pa.
Sprout Waldron & Co., Muncy, Pa.
See adv index at end of book
Wolf Co., Chambersburg, Pa.

13296— Separators (Cream)

ALBAUGH DOVER MFG. CO., 2122 Marshall blvd, Chicago, Ill.
See adv index at end of book
American Separator Co. (Centrifugal), Bainbridge, N. Y.
Anker-Holth Mfg. Co., Port Huron, Mich.
Associated Mfrs. Co., Waterloo, Ia.
Blanke Mfg. & Supply Co. ("Standard," "Champion"), 3rd & Washington av, St. Louis, Mo.
Bluffton Mfg. Co., Bluffton, O.
Buckeye Cream Separator Co., Oberlin, O.
Burrell D. H. & Co., Inc. ("Burrell-Simplex" Centrifugal Hand & Power), Little Falls, N. Y.
Champion Blower & Forge Co. ("Champion"), Lancaster, Pa.
Cincinnati Rubber Mfg. Co. (Rings), Norwood, Cincinnati, O.
See adv index at end of book
Creamery Package Mfg. Co., 61 W Kinzie, Chicago, Ill.
Dairy Cream Separator Co. (Centrifugal "Dairy Queen"), Lebanon, Ind.
Davis J. H. Sparta, Wis.
Davis-Watkins Dairymen's Mfg. Co. ("Davis" Centrifugal), North Chicago, Ill.
De Laval Dairy Supply Co., 61 Beale, San Francisco, Cal.
De Laval Separator Co. (Centrifugal), 165 B'way, New York
Deshler Mail Box Co. ("Success" Gravity), Deshler, O.
Empire Cream Separator Co. ("Empire"), Bloomfield, N. J.
Fisk E. W., Newark, N. Y.
Galloway Wm. Co., Waterloo, Ia.
Hastings Mfg. Corp., Dept. H, Goshen, Ind.
International Harvester Co. ("McCormick-Deering," "Primrose" 5 sizes), Harvester bldg, Chicago, Ill.
Jensen Creamery Machy. Co., Nelson & Locust av, Bloomfield, N. J.
King Drill Mfg. Co., Nebraska City, Neb.
Lawrence-Bostwick Mfg. Co. (Ltd.), Phelps, N. Y.
Lisle Mfg. Co. ("Monarch" Hand), Clarinda, Ia.
Milwaukee Separator Mfg. Co. ("Milwaukee"), 1029 Cold Spring, Milwaukee, Wis.
Murphy A. F. Die & Machine Co., 364 Atlantic av, Boston, Mass.
National Dairy Machine Co. ("National" Centrifugal, etc), Goshen, Ind.
National Enameling & Stamping Co. ("National"), 411 5th av, New York
Papec Machine Co., Shortsville, N. Y.
Reliance Engineering Co. ("Omega" Centrifugal), Lansing, Mich.
Renfrew Machinery Co., Ltd., 445 Milwaukee, Milwaukee, Wis.
Rock Island Plow Co. ("Great Western"), Rock Island, Ill.
Seither & Cherry Co. ("Banner" Stationary), Keokuk, Ia.
Sharples Separator Co. (Tubular), West Chester, Pa.
Standard Separator Co. ("Automatic"), 45th & Burnham, Milwaukee, Wis.
Starch Bros. Co., La Crosse, Wis.
Superior Sheet Metal Wks. Co. (Gravity "Superior"), 3201H Roosevelt av, Indianapolis, Ind.
United Engine Co. ("Diabolo"), Lansing, Mich.
Vega Separator Co., Fostoria, O.
Vermont Farm Machine Co. ("United States"), Bellows Falls, Vt.
Waterloo Gasoline Engine Co. ("Waterloo Boy"), Waterloo, Ia.
Wayte W. J. Inc. (Imp.), 5844 Grand Central Terminal, New York
Weber Kirch Mfg. Co., Keokuk, Ia.
Williams J. H. & Co. (Forgings), 400 Vulcan, Buffalo, N. Y.

Separators (Cream Centrifugal)

See Separators, Cream, with the word Centrifugal following their name

13297— Separators (Dust)

ALLEN & BILLMYRE CO., INC. (Complete dust removing and collecting systems), Grand Central Palace, New York
See adv index at end of book
Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Buffalo Forge Co., 490 B'way, Buffalo, N. Y.
Clarage Fan Co., North & Porter, Kalamazoo, Mich.
See adv index at end of book
Howes S. Co. Inc., Silver Creek, N. Y.
Ladel Mfg. Co. ("Ladel" Sawdust), New Philadelphia, O.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
REES BLOW PIPE MFG. CO., 340 7th, San Francisco, Cal., & 3636 S Alameda, Los Angeles, Cal.
Sterling Blower Co. ("Sterling"), Hartford, Conn.
Wolf Co., Chambersburg, Pa.
York Heating & Ventilating Corp., Mill, Bridgeport, Pa.

13298— Separators (Egg)

Aluminum Specialty Co., Manitowoc, Wis.
Kohler Die & Specialty Co., De Kalb, Ill.

13298a—*Separators (Electro-Magnetic)

DINGS MAGNETIC SEPARATOR CO., 616 Smith, Milwaukee, Wis.
See adv index at end of book
MAGNETIC MFG. CO., 279 23d av, Milwaukee, Wis.
See adv index at end of book

13299—Separators (Electro-Static)

Sutton Steele & Steele, Inc. ("S. S. & S." Dielectric, for Minerals), Dallas, Tex.

Separators (Flax)

See Flax Seed Cleaning Machines

13300— Separators (Garlic)

Howes S. Co. Inc., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.
Invincible Grain Cleaner Co., Silver Creek, N. Y.

13301—Separators (Gas & Oil)

Lorraine Gas & Oil Separator Co., Washington bldg, Los Angeles, Cal.
McEvoy Wireless Well Strainer Co., 916 Higgins bldg, Los Angeles, Cal.
National Supply Co., Union Bank bldg, Pittsburgh, Pa.
Rollins Supply Co. (Oil, also Detectors), 17 W Kinzie, Chicago, Ill.
Trumble Gas Trap Co., Higgins bldg, Los Angeles, Cal.

13302-3—Separators (Grain)

Advance Rumley Co. ("Rumely Ideal," "Advance," "Gear Scott"), Madison & Lincoln Way, La Porte, Ind.
American Grain Separator Co., Erie & S. E. Essex, Minneapolis, Minn.
American Machinery Co., 103 W. Water, Milwaukee, Wis.
Avery Co., Peoria, Ill.
Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
Barnard & Leas Mfg. Co. ("Barnards" Perfected Elevator, etc.), 403 20th, Moline, Ill.
Conner J. W. & Son ("Overshot," Separator & Cleaner), Orangeville, Pa.
Emerson-Brantingham Co. ("New Peerless," "Reeves"), Rockford, Ill.
Farquhar A. B. Co. (Ltd.), York, Pa.
Hoosier Mfg. Co., New Castle, Ind.
Howes S. Co., Inc., Silver Creek, N. Y.
Huntley Mfg. Co. ("Cranson" & "Monitor," Scouring, Polishing & Separating, etc), Silver Creek, N. Y.
Invincible Grain Cleaner Co., Silver Creek, N. Y.
Johnson & Field Mfg. Co. ("Racine" Dustless), Racine, Wis.
Merkel A. P., Fleetwood, Pa.
New Liberty Washing Machine Co. ("Fosston" Cleaner & Separator), St. Paul, Minn.
Nordyke & Marmon Co., 1290 Kentucky av, Indianapolis, Ind.
Owens J. L. Co. (Also Flax), Fulton & S E Huron, Minneapolis, Minn.
Prinz & Rau Mfg. Co. ("Prinz" Automatic), 659 E Water, Milwaukee, Wis.
Richmond Mfg. Co. ("Niagara" Compound Shake Double Receiving, etc), Lockport, N. Y.
Robinson H. Mfg. Co., Muncy, Pa.
Spaulding Horace R. ("Jessup"), 898 Folsom, San Francisco, Cal.
Sprout Waldron & Co., Muncy, Pa.
See adv index at end of book
Swayne, Robinson & Co., Richmond, Ind.
Wolf Co., Chambersburg, Pa.

13304—Separators (Inclined, Vibrating)

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
National Engineering Co., 549 W Washington blvd, Chicago, Ill.
Tyler W. S. Co., Cleveland, Ohio
See adv index at end of book

Separators (Iron & Brass)

See Separators, Magnetic

13305—Separators (Magnetic)

Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Barnett Oscar Foundry Co., Irvington, N. J.
Birdsboro Steel Foundry & Machine Co. ("Buchanan"), Birdsboro, Pa.
BUCHANAN C. G. CO. INC. ("Buchanan" for Brass, Iron & Ore, etc.), 90 West, New York
Capitol Brass Works ("Noble's" Electro), 596 Franklin, Detroit, Mich.
Cutler-Hammer Mfg. Co., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
DINGS MAGNETIC SEPARATOR CO. ("Dings" Electric), 616 Smith, Milwaukee, Wis. *See adv index at end of book*

(Continued on following page)



"HIGH DUTY"
Magnetic Pulleys
AND
Magnetic Separators

For Removing all "Tramp" or Scrap Iron from All Sorts of Materials. All Sizes and Capacities.

MAGNETIC MFG. CO., 279 23rd Avenue MILWAUKEE, WIS.
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The "HIGH DUTY" Magnetic Pulley is extremely powerful, designed to handle a large overload of material, owing to its exclusive ventilated construction.

The "HIGH DUTY" will positively remove iron and steel from any material. As a protection against damage to crushing and pulverizing machinery it has no equal.

"HIGH DUTY" Magnetic Separators are used for refining brass, and other metals, concentrating ores, etc.

Separators (Magnetic)—Continued

Howes S. Co., Inc., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor" Separators & Fields), Silver Creek, N. Y.
Invincible Grain Cleaner Co., Silver Creek, N. Y.
Littleford Bros., 444 E Pearl, Cincinnati, Ohio *See adv index at end of book*
McCormick J. S. Co., 25th & A. V. R. R., Pittsburgh, Pa.
MAGNETIC MFG. CO. (Alternating & Direct Current), 279 23d av, Milwaukee, Wis. *See adv index at end of book*
Oakes Roland T. Co., Holyoke, Mass.
Richmond Mfg. Co. ("Niagara," "Automatic," for Removing Metal from Grain), Lockport, N. Y.
Sprout, Waldron & Co. (Automatic), Muncy, Pa.
See adv index at end of book
Stearns-Roger Mfg. Co., 1720 Calif., Denver, Colo.
United Iron Works, Inc. ("Cleveland-Knowles," for Separating Iron Pyrites from Lead & Zinc Ores), Kansas City, Mo.
Wolf Co., Chambersburg, Pa.

13305a—*Separators (Magnetic, Wet)

DINGS MAGNETIC SEPARATOR CO., 616 Smith, Milwaukee, Wis.
See adv index at end of book
Magnetic Mfg. Co., 279 23d av, Milwaukee, Wis. *See adv index at end of book*

13305b—*Separators (Mineral Magnetic)

DINGS MAGNETIC SEPARATOR CO., 616 Smith, Milwaukee, Wis.
See adv index at end of book
Magnetic Mfg. Co., 279 23rd av, Milwaukee, Wis. *See adv index at end of book*

13305c— Separators (Oil)

See also Separators, Steam & Oil; also Separators, Centrifugal
Automatic Refrigerating Co. ("Automatic"), Hartford, Conn.
DUNHAM C. A. CO., 230 E Ohio, Chicago
See adv index at end of book
GRISCOM-RUSSELL CO., 92 West, New York *See adv index at end of book*

BUNDY OIL SEPARATOR



For separating oil from exhaust steam. Multiple baffle plates insure high efficiency. These plates can be removed and cleaned, assuring maintenance of original efficiency.

THE
GRISCOM-RUSSELL CO.
92 West Street New York

Oil & Waste Saving Machine Co., Real Estate Trust bldg, Phila., Pa.
See adv index at end of book
Pangborn Corp., Dept. H, Hagerstown, Md.
Patterson Kelley Co., 804 Architects bldg, New York
See adv index at end of book
PETROLEUM IRON WORKS CO. OF OHIO, Sharon, Pa.
See adv index at end of book

13305d—*Separators (Oil, from Steel Chips)

See also Separators Centrifugal; also Extractors, Oil & Grease
OIL & WASTE SAVING MACHINE CO., Real Estate Trust bldg, Phila., Pa.
See adv index at end of book

13305e—Separators (Oil Pump)

DUNHAM C. A. CO., 230 E Ohio, Chicago
See adv index at end of book

13306— Separators (Ore)

DINGS MAGNETIC SEPARATOR CO., 616 Smith, Milwaukee, Wis.
See adv index at end of book
Huff Electrostatic Separator Co. ("Huff" Electro Static), 60 India, Boston, Mass.
Magnetic Mfg. Co. (Magnetic), 279 23rd av, Milwaukee, Wis.
See adv index at end of book

13307— Separators (Pea)

Howes S. Co. Inc., Silver Creek, N. Y.
Invincible Grain Cleaner Co., Silver Creek, N. Y.
Sprague Canning Machinery Co. ("Scotts" Rotary Interchangeable), 222 N Wabash av, Chicago, Ill.

13308— Separators (Peanut)

Cardwell Machine Co. ("Smith"), 1900 E Cary, Richmond, Va.
Howes S. Co. Inc., Silver Creek, N. Y.

13309—Separators (Pneumatic)

Bauer Bros. Co., Bauer bldg, Springfield, Ohio.
Ideal Concrete Machy. Co. (CHIP SEPARATORS for separating chips from screw machines by pneumatic principle), 5007 Spring Grove av, Cincinnati, Ohio
See adv index at end of book
Northern Blower Co. (The), Denison & W 65th, Cleveland, O.
See adv index at end of book

13309a—Separators (Receiver)

Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Elliot Co., Dept. H, Jeannette, Pa.

13310—Separators (Reclaimed Rubber)

Howes S. Co. Inc., Silver Creek, N. Y.

13311— Separators (Rice)

Advance Rumley Co. ("Advance," "Gear Scott," "Tiger," "Rumely Ideal"), Madison & Lincoln Way, La Porte, Ind.
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Howes S. Co. Inc., Silver Creek, N. Y.
Invincible Grain Cleaner Co., Silver Creek, N. Y
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Squier Geo. L. Mfg. Co., B'way & Mortimer, Buffalo, N. Y.

13311a—*Separators (Sand & Water)

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

13312—Separators (Small Seed)

Howes S. Co. Inc., Silver Creek, N. Y.
Nichols & Shepard Co., Battle Creek, Mich.

13313—Separators (Steam & Oil)

See also Extractors, Oil & Grease
Acton John ("Nelson"), 118 John, Brooklyn, N. Y.
American District Steam Co. (Oil & Water), North Tonawanda, N. Y.
American Laundry Machinery Co., Cincinnati, O.
ANDERSON V. D. CO. ("Anderson"), W 96th, Cleveland, Ohio
See adv index at end of book
Atwood & Morrill ("XX Century"), 48 Loring av, Salem, Mass.
CANTON MACHINE & MFG. CO. ("Mosher"), Canton, O.
Central Station Steam Co., 710 Woodbridge Detroit, Mich.
Continental Supply Co., Post Dispatch bldg, St. Louis, Mo.
CRANE CO., 836 S Michigan av, Chicago, Ill. *See adv index at end of book*
D'Este Julian Co. ("Curtis" Steam), 26 Canal, Boston, Mass.
Direct Separator Co. ("Sweet"), Syracuse, N. Y.
Edward Valve & Manfg. Co. ("Edward" Heavy forged steel), East Chicago, Ind.
Elliot Co., Dept. H, Jeannette, Pa.
Gardner Governor Co. ("Gardner"), 33 Williams, Quincy, Ill.
Garrett W. D. & Co. ("Garrett," Exhaust Muffler Oil Separator), 118 E 28th, New York
GRISCOM-RUSSELL CO. ("Stratton" & Live Steam, "Bundy" Exhaust Steam & Oil), 92 West, New York
See adv index at end of book
Hardie-Tynes Mfg. Co., Birmingham, Ala.
Hewes & Phillips Iron Works ("Naylor" Vortex Steam), 8 Orange, Newark, N. J.
Hoppes Mfg. Co. ("Hoppes"), 19 Larch, Springfield, Ohio
Hussey-McCann & Co. ("Peerless"), 87 Warren, New York
Illinois Engineering Co. ("Eclipse"), W 21st & S Racine avs, Chicago, Ill.
KELLOGG M. W. CO., 90 West, New York
See adv index at end of book
Kelly Derby Co., 321 N Crawford, Chicago
Kieley & Mueller, 34 W 13th, New York
KUTZTOWN FOUNDRY & MACHINE CO., (Compound for Steam Boilers), 1421 Chestnut, Philadelphia, Pa.
See adv index at end of book
Linton Machine Co., 101 Park av, New York
McAlear Mfg. Co., 1901 S Western, Chicago, Ill.
Mitchell W. K. & Co. (Steam), 2340 Ellsworth, Phila., Pa.
Munroe R. & Sons Mfg. Corp., 23rd & Smallman, Pittsburgh, Pa.
Mushet W. E. Co. (Dirs), 700 2d, San Francisco, Cal.
National Pipe Bending Co. ("National"), New Haven, Conn.
Nicholson W. H. & Co. ("Wyoming" Steam), Wilkes-Barre, Pa.
Pangborn Corp. (Moisture & Oil From Compressed Air), Hagerstown, Md.
Patterson Kelley Co. ("Patterson" Oil), 804 Architects bldg, New York
See adv index at end of book



Steam Trap

ANDERSON

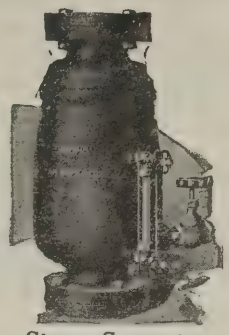
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STEAM and OIL SEPARATORS

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537 Race Street Philadelphia, Pa. 100 Pearl Street Boston, Mass.
366 Third Ave., New York City



Steam Separator

The V. D. ANDERSON COMPANY **West 96th Street, CLEVELAND, OHIO**

Pittsburgh Gage & Supply Co. ("Pittsburgh"), 30th & Liberty av, Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Power Plant Specialty Co. ("Vater," Two Stage Steam, etc), 442 S Dearborn, Chicago, Ill.
Providence Steam Trap Co. ("Newton"), 16 Diamond, Providence, R. I.
Robertson Jas. L. & Son ("Hine's" Eliminator), 73 Murray, New York
Ruemmeli-Dawley Mfg. Co., (Steam Only), 3900 Chouteau av, St. Louis, Mo.
Sharkey & Peck, 2433 W 18th, Chicago, Ill.
Simonds Heating & Specialty Co. ("Simonds" Steam Receiver & Separator, overcomes all Steam Pipe Vibration), Grand Rapids, Mich.
Standard Steam Specialty Co. ("Utility"), 366 3rd av, New York
Stewart Heater Co. (Separator & Purifier Combined), **N Tonawanda, N. Y.**
Strong, Carlisle & Hammond Co. ("Strong"), 1394 W 3rd, Cleveland, O.
Swartwont Co. ("Swartwont" Vertical & Horizontal), 18515 Euclid av, Cleveland, Ohio
Tessmer Mach. & Tool Co., 1425 Rivard, Detroit, Mich.
Tolhurst Machine Works. (Oil), Dept. H, Troy, N. Y.
Tracy Engineering Co., 485 6th, San Francisco, Cal.
Vance Engineering Co. ("Baum"), Phipps Power bldg, Pittsburgh, Pa.
Watson & McDaniel Co. ("W. & McD." and "Jennings" Horizontal & Vertical Steam), 146 N 7th, Phila., Pa.
Webster Warren & Co. ("The Webster"), Camden, N. J.
Williams D. T. Valve Co. ("Cookson" Automatic), Cincinnati, O.
Wright-Austin Co. ("Austin"), 315H Woodbridge W, Detroit, Mich.

13314—*Separators (Steam, Oil & Air)

GRISCOM-RUSSELL CO., 92 West, New York. *See adv index at end of book*

NEW
STRATTON
STEAM SEPARATOR

A *real* steam separator. Positive separation by centrifugal force. Simple in construction; no loose parts. Large receiver capacity.





THE
GRISCOM-RUSSELL CO.
92 West Street New York

13315—Separators (Stone)

Brewer H. & Co., Tecumseh, Mich.
Great Western Mfg. Co. (For Separating Stone & Gravel from Wheat), Leavenworth, Kan.
Hadfield-Penfield Steel Co. (The), Bucyrus, O. *See adv index at end of book*
Wallace Mfg. Co., Frankfort, Ind.

Separators (Waste Oil)

See Separators, Centrifugal

13316—Separators (Water, for Reclaimed Rubber)

American Process Co., 68 William, New York
Vaughn Machinery Co., Cuyahoga Falls, O.

13317— Separators (Wheat)

Anglo Am. Mill Co., Owensboro, Ky.
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Beall Improvements Co., Inc. (Corn), Decatur, Ill.
Blymyer Iron Works Co., Cincinnati, O.
Howes S. Co. Inc., Silver Creek, N. Y.
Invincible Grain Cleaner Co., Silver Creek, N. Y.
Union Iron Works, Decatur, Ill.
Wolf Co., Chambersburg, Pa.

13318—Separators (Whey)

Howes S. Co. Inc., Silver Creek, N. Y.
Sharples Separator Co., West Chester, Pa.

13318a—Separators (Wild Oat)

Colfax Manfg. Co. ("Colfax"), 1701 N E Madison, Minneapolis, Minn.
Emerson Mfg. Co. ("Emerson Kicker"), 2601 32d av S, Minneapolis, Minn.
Ghent Mfg. Co., Ghent, Minn.
Invincible Grain Cleaner Co., Silver Creek, N. Y.
Klauer Mfg. Co., Dubuque, Ia.

Septic Tanks

See Tanks (Septic)

13318b—*Service Station & Garage Equipment

Service Equipment Co. ("Universal" Service Towers, Air, Water & Light), 407 W Slauson, Huntington Park, Cal.

13319— Sets (Desk)

Art Metal Wks., 7 Mulberry, Newark, N. J.
Etching Company of America, 1520H Montana, Chicago, Ill.
Soart Bros. Co. (Sterling Silver Mounted Only), Attleboro, Mass.

13320— Sets (Lock)

Best Frank E., Inc. ("Best Universal"), 1121 Post, Seattle, Wash.
Corbin P. & F. ("Corbin"), Dept. H, New Britain, Conn.
Laughlin Thos. Co. (Bronze Ship), 135 Fore, Portland, Me.
See adv index at end of book
Sargent & Co., New Haven, Conn.
Taylor & Boggis Foundry Co. (Bathroom), Cleveland, O.

Sets (Manicure)

See Manicure Sets

13321— Sets (Military)

Bass E. & J., Inc., 610 B'way, New York
Yale Novelty Co. (French Ivory), Leominster, Mass.

Sets (Nail, Rivet, Saw, Etc.)

These specialties are classified under their descriptive kinds, viz., Nail Sets, Rivet Sets, etc

13322— Sets (Poker)

Bubeck & Guerin, 31 E 17th, New York
Waterbury Button Corporation, 331 S Main, Waterbury, Conn.
See adv index at end of book

13323— *Sets (Sheep)

STILES H. A. & CO., 166-174 Portland, Boston, Mass.
See adv index at end of book

Settees, Chairs, Etc. (Veneered)

See Seating, Veneer

13324— Settees (Gliding)

Goshen Mfg. Co. ("Boyers"), Goshen, Ind.

13325—Settees (Perforated Slat)

Beckley Perforating Co. (Iron Frame), Garwood, N. J.
Standard Cement Construction Co., Inc. ("Standard"), Castle Hayne rd, Wilmington, N. C.

13326— Settees (Railroad)

See also Seating, Veneer

Ahnapee Veneer & Seating Co., Algoma, Wis.
American Seating Co., 14 E Jackson blvd, Chicago, Ill.
Frost's Veneer Seating Co., (Ltd.), Sheboygan, Wis.
Stafford E. H. Mfg. Co., 367 W Adams, Chicago, Ill.

Settees (Rustic)

See Rustic Woodwork

13327—Settees & Chairs (Iron)

See also Fountains, Vases, etc

Badger Wire & Iron Works, 25th av & Cleveand, Milwaukee, Wis.
Barbee Wire & Iron Works ("Bar Bee" Settees), Lafayette, Ind.
Barnum E. T. Wire & Iron Works, 864 Woodward, Detroit, Mich.
Bayley Wm. Co., Springfield, O.
Belmont Iron Works, 22d & Washington, Phila., Pa.
Casey-Hedges Co. (Cast Iron Settees), Chattanooga, Tenn.
Cheney S. & Son, Manlius, N. Y.
Cincinnati Iron Fence Co. (Settees, also Wire Settees), 3312 Spring Grove av, Cincinnati, O.
See adv index at end of book
Dow Co., 201H N Buchanan, Louisville, Ky.
Fiske J. W. Works, 111 Park pl, New York
Ginther's J. Sons Co., 419 Broadway, Buffalo, N. Y.
Grafton Foundry Co., Grafton, Wis.
Hennecke C. Co., 1353 N Pierce, Milwaukee, Wis.
Jones M. D. Co., Concord Junction, Mass.
Kramer Brothers Foundry Co. ("Capital") Dayton, Ohio.
Lindenschmidt Co., Evansville, Ind.
Ludlow-Saylor Wire Co., 600-640 S Newstead av, St. Louis, Mo.
See adv index at end of book
McDonald Foundry (Cast Iron), Columbus, O.
Mack Iron & Wire Works Co., Sandusky, O.
Meyers Fred. J. Mfg. Co., Hamilton, O.
Mott J. L. Iron Works, Trenton, N. J.
Pettler Steel Mat & Mfg. Co., Beaver Falls, Pa.
Plocher Andrew Sons Co., Dayton, O.
Roanoke Iron & Bridge Works, Inc., Roanoke, Va.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Smyser, Royer Co., York, Pa.
STEWART IRON WORKS CO., INC. (Also Steel & Wood Slat), 238 Stewart blk, Cincinnati, Ohio
See adv index at end of book

(Continued on following page)

Settees & Chairs (Iron)—Continued

Toy W. M. & Co., 10 E Shelby, Sidney, O.
Van Dorn Iron Works Co., 2700 E 79th, Cleveland, O.
See adv index at end of book
Verdeckberg Iron Wire Works Co. (Lawn Settees), 1109 California, Denver, Colo.
Wisconsin Iron & Wire Works, Milwaukee, Wis.

13328—Settees & Chairs (Lawn)

Adams Company (Wood Frame & Iron Leg Settees), Dubuque, Ia.
Badger Wire & Iron Works (Iron), 25th av & Cleveland, Milwaukee, Wis.
Barnum E. T. Wire & Iron Works, 864 Woodward, Detroit, Mich.
Belcher & Taylor Agrl. Tool Co., Chicopee Falls, Mass.
Bernstein Mfg. Co., 3rd & Allegheny, Phila., Pa.
Buffalo Wire Works Co., (Wire Settees) 453 Terrace, Buffalo, N. Y.
See adv index at end of book
Carriage & Toy Co. (Wood), 741 W Lombard, Baltimore, Md.
Casey Hedges Co. ("Chattanoogan"), 25th & Chestnut, Chattanooga, Tenn.
Challenge Co. (Steel & Wood), Batavia, Ill.
Cincinnati Iron Fence Co. (Settees only), 3312 Spring Grove av, Cincinnati, O.
See adv index at end of book
Combination Ladder Co., 381 Fountain, Providence, R. I.
Donaldson Bros., Mount Clemens, Mich.
Duisdieker Foundry & Mfg. Co., (Cast Iron), Pekin, Ill.
Cheney S. & Son, Manlius, N. Y.
Cincinnati Iron Fence Co., 3312 Spring Grove av, Cincinnati, Ohio
Dow Co., 201H N Buchanan, Louisville, Ky.
Ford & Johnson Chair Co. (Oak Slats Bolted to Castings), 801 S Wabash, Chicago, Ill.
Gold Medal Camp Furniture Mfg. Co., (Folding), Racine, Wis.
Kalamazoo Sled Co. (Bent Wood, Folding & Swinging), Kalamazoo, Mich.
Lattimer W. H. & Sons (Wooden), Orwell, N. Y.
Meyers Fred. J. Mfg. Co., Hamilton, O.
Mitchell Robt. Furniture Co., 616 Race, Cincinnati, O.
Mott J. L. Iron Works (Wood, Iron Frame), Trenton, N. J.
Moulton C. W. H. Co., Somerville, Mass.
North Shore Ferneries Co., Beverly, Mass.
Ohio Rake Co., Dayton, O.
Readsboro Chair Co., Readsboro, Vt.
Sheboygan Chair Co., Sheboygan, Wis.
Southern Wire & Iron Works, Atlanta, Ga.
Steinfeld Bros. (Hardwood Folding & Bent Wood Settees & Chairs), 116 W 32d, New York
Stewart Iron Works Co., Inc. (& Park), 238 Stewart blk, Cincinnati, Ohio
See adv index at end of book
Whitehurst R. W. Mfg. Corp. (Lawn Settees), Norfolk, Va.

13329— Setters (Axle)

Buffalo Forge Co., 490 B'way, Buffalo, N. Y.
Noyes B. B. Co. ("Little Giant," Setter Straightener), Greenfield, Mass.

13330— Setters (Skein)

Williams, White & Co., Moline, Ill.

13331— Setters (Stud)

Errington F. A. (Opening), 11 John, New York

13332-3— Setters (Tire)

See Upsetters, Tire; also Upsetting & Forging Machines

Brooks Machine Co. ("Brooks" Cold), Wichita, Kan.
Buffalo Forge Co., 490 B'way, Buffalo, N. Y.
House Cold Tire Setter Co. ("House" Cold Hydraulic), 4143 Laclede av, St. Louis, Mo.
Houston Car Wheel & Machine Co., Houston, Tex.
LOURIE HYDRAULIC PRESS CO. Springfield, Ill. *See adv index at end of book*
Pay Chas. & Co., 307 S Water, Providence, R. I.
Potts D. H. Co. ("Sun"), Lancaster, Pa.

13334—Sewage Disposal Equipment

Ashley Sewage Disposal Co. (Consulting & Contracting Engineers), Morgan Park, Chicago, Ill.
Aten Sewage Disposal Co., 286 5th av, New York *See adv index at end of book*
Economy Pumping Machy. Co., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Edson Mfg. Corp., 375H B'way, Boston, Mass.
Lincoln Steel & Forge Co., 5701 National Bridge av, St. Louis, Mo.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Merritt Hydraulics Co. ("Merritt"), 110 N Broad, Phila., Pa.
Sanitation Corpn. ("R.-W. Screen"), 165 Broadway, New York
Wallace & Tiernan Co., Inc., 1 Mill Belleville, Newark, N. J.

13335—Sewage Disposal Plants

Andrews Heating Co. ("Andrews" Septic), Minneapolis, Minn.
Aten Sewage Disposal Co., 286 5th av, New York
Bacterial Sewage Purification Co., 20 Exchange pl, New York
Central Foundry Co. (Pipe & Specials For), 41 E 42d, New York
Chattanooga Sewer Pipe Works, W 11th & Cross, Chattanooga, Tenn.
City Wastes Disposal Co., 45 7th av, New York
Columbus Sewer Pipe Co., Columbus, Ga.
Dail Steel Products Co., Lansing, Mich.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
ECONOMY PUMPING MACHY. CO., 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Hammond Engineering Co. (Rotary Vacuum Dryers and Inverted Filters), Warren, Pa.
Kewanee Private Utilities Co. ("Kewanee"). 424 S Franklin, Kewanee, Ill.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Macomb Sewer Pipe Works, Macomb, Ill.
Macon Sewer Pipe Works, Macon, Ga.
Modern Iron Works ("Rhodes-Williams" Raw Sewage Syphon), Quincy, Ill.
New York Sewage Disposal Co., Grand Central Terminal, New York
Ogden Sewer Pipe & Clay Co., Ogden, Utah
Pacific Flush Tank Co. (Automatic Air Lock & Syphonic Apparatus), 4241 Ravenswood av, Chicago, Ill.
Priestman Albert ("Merritt" "Priestman-Beddoes"), 328 Chestnut, Philadelphia, Pa.
San Antonio Sewer Pipe Works, San Antonio, Texas
Southern Sewer Pipe Works, Birmingham, Ala.
Standard Sewer Pipe Works, Rome, Ga.
Texarkana Pipe Works, Texarkana, Tex.
Waring, Chapman & Farquhar ("Waring" System), 374 B'way, New York

13336— Sewage Ejectors

Blaisdell Machinery Co. ("Blaisdell," Automatic), Bradford, Pa.
Chicago Pump Co. ("Duplex" Electric), 2342 Wolfram, Chicago, Ill.
ECONOMY PUMPING MACHY. CO. (Electric), 100-126 N Curtis, Chicago, Ill. *See adv index at end of book*
Erie Pump & Engine Works, 149 Glenwood av, Medina, N. Y.
See adv index at end of book
Erwin & Co. (Electric Automatic), 3736 Cottage Grove av, Chicago, Ill.
Jenkins Mfg. Co. ("Jenkins"), Bloomfield, N. J.
Otterson Auto Eductor Co., Springfield, Ohio
Pacific Flush Tank Co., 4241 Ravenswood av, Chicago, Ill.
Priestman Albert ("Priestman"), 328 Chestnut, Phila., Pa.
Sanitary Mechanical Specialty Co., 1020 Lexington av, New York
Simplex Ejector Co. (Automatic Pneumatic), 126 N Carpenter, Chicago, Ill.
Tranter Mfg. Co. (Steam), 105 Water, Pittsburgh, Pa.
Walworth Mfg. Co., Boston, Mass.
YEOMANS BROS. CO. (Pneumatic & Centrifugal), 1436 Dayton, Chicago, Ill.
See adv index at end of book

Sewer Builders

See Contractors, Building & General

13337—Sewer Couplings & Connections

Buchanan A., Jr. (Soil Pipe), 490 Summer av, Brooklyn, N. Y.
Marsh Valve Co., Dunkirk, N. Y.

13338—Sewer Manhole Steps

Anderson W. H. Tool & Supply Co., 184 Bush, Detroit, Mich.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Maher & Flockhart, 76 Polk, Newark, N. J.

13338a—*Sewer Pipe Strainers

See also Strainers (Gutter)

Donley Bros. Co. ("Donley"), 13935 Miles av, Cleveland, O.
See adv index at end of book

13339—Sewing Machine Attachments

Greist Mfg. Co., New Haven, Conn.
Parsons Mfg. Co., 313 N Whipple, Chicago, Ill.

13340— Sewing Machine Parts & Supplies

Hancock Mfg. Co. (Parts to Specifications), Charlotte, Mich.
Johnson Shuttle Co., 215 W Superior, Chicago, Ill.
Merit Machine Mfg. Corp., 465 Greenwich, New York
NILES STEEL PRODUCTS CO., Niles, Ohio *See adv index at end of book*
SCRANTON FORGING CO., 200 Green Ridge av, Scranton, Pa.
See adv index at end of book
Sewing Machine Supplies Co., 210 South, Boston, Mass.
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*

13341—Sewing Machine Woodwork

Kundtz Theodor Co., Elm & Winslow av, Cleveland, O.

13342— Sextants

Keuffel & Esser Co., Hoboken, N. J.
Nautical Instruments Mfg. Co., Inc., 82 Beaver, New York
Pennsylvania Instrument Co., 616-618 Chestnut, Phila., Pa.
Rupp Michael & Co. (Imported), 112 Broad, New York

13343— Shackles (Anchor)

Bacon & Matheson Forge Co., 17H W Lander, Seattle, Wash.
Baldt Anchor & Chain Co., Chester, Pa.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Carroll Chain Co., 265 Hosack, Columbus, Ohio *See adv index at end of book*
Cleveland Block Co., 1173 W 11th, Cleveland, O.
Gerdes & Co., 42 Church, New York
See adv index at end of book
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*

SHACKLES, ANCHOR

Anchor, Chain, Block and Wire Rope, with screw, round or oval pins.

Send for catalogue.

The Thomas Laughlin Company
135 Fore Street Portland, Maine

Marine Hardware-Equipment Co. ("Acme" & "Wheco"), South Portland, Me.
MERRILL BROS., 3 Arnold, Maspeth (Borough of Queens), New York
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book
Thacher Propeller & Foundry Corp., Albany, N. Y.
Weimer Chain & Iron Co. (Screw, etc), Lebanon, Pa.
Wilcox, Crittenden & Co. Inc., 444 S Main, Middletown, Conn.
See adv index at end of book

SHACKLES (Anchor)

Wrought Iron Shackles Galvanized or Blacked. Screw Anchor or Screw Chain Shackles, sizes 3/16 to 2 inches. Oval Pin Anchor and Oval Pin Chain Shackles in sizes ¼ to 2¾ inches. Round Pin Anchor or Round Pin Chain Shackles in sizes ¼ to 2 inches. Larger sizes to order. Reversed Shackles for Blocks in sizes from 3/16 to 2 inches. Heart Shackles in sizes ¼ to ½ inch. Bow Shackles in sizes ⅜ to ⅝ inch. All Galvanizing by the Durable Hot Process.

WILCOX, CRITTENDEN & CO., Inc.
444 So. Main St., Middletown, Conn.

13344— Shackles (Chain)

Baldt Anchor & Chain Co., Chester, Pa.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Carroll Chain Co., Columbus, Ohio
See adv index at end of book
Channon Jas. H. Mfg. Co. (Also Anchor Shackles), 227 W Erie, Chicago, Ill.
Gerdes & Co., 42 Church, New York
See adv index at end of book
Laughlin Thos. Co. (Also Anchor), 135 Fore, Portland, Me.
See adv index at end of book
McMillan's W. H. Sons, 153 South, New York
Malleable Iron Fittings Co. ("M. I. F. Co."), Branford, Conn.
Marine Hardware Equipment Co., South Portland, Me.
MERRILL BROS., 3 Arnold, Maspeth (Borough of Queens), New York
See adv index at end of book

Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
Ransome Concrete Machinery Co. (Steel), Dunellen, N. J.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
United States Chain & Forging Co., Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Upson-Walton Co., The, 1100 W 11th, Cleveland, O.
Weimer Chain & Iron Co. (Screw, etc), Lebanon, Pa.

13344a—Shackles (Wire Rope)

Fischer & Hayes Rope & Steel Co., 816 W Erie, Chicago, Ill.
See adv index at end of book
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Marine Hardware Equipment Co., South Portland, Me.
Roeblings John & Sons Co., Trenton, N. J.
See adv index at end of book

13345— Shade Cloth Mfrs.

Bailey & Weston, 81 Washington, North Boston, Mass.
Bancroft Jos. & Sons Co. (Holland "Sun Fast"), Wilmington, Del.
Breneman Chas. W. & Co. ("Brenlin," "Camargo," "Myama"), 2045 Reading rd, Cincinnati, O.
California Shade Cloth Co., 1710 San Bruno av, San Francisco, Cal.
Cannon Mfg. Co., Concord, N. C.
Chace Mills, Fall River, Mass.
Columbia Mills, Inc. ("Crescent," "Damasko," "Star," "Arrow"), 225 5th av, New York
Covington Mills, Covington, Ga.
Dunson Mills, La Grange, Ga.
Hauser Shade Cloth Co. ("North Star"), Chicago Heights, Ill.
Interlaken Mills, Turks Head bldg, Providence, R. I.
Interstate Shade Cloth Co., Hoboken, N. J.
Lonsdale Co., 50 S Main, Providence, R. I.
McLean Andrew Co., Passaic, N. J.
Oswego Shade Cloth Co. (Chouaguen"), Oswego, N. Y.
Pacific Shade Cloth Co. ("Eureka" "Golden Gate"), 1833 Peralta, Oakland, Cal.
Quidnick-Windham Mfg. Co., Willimantic, Conn.
Talbert-Whitmore Co. ("Damask," "Three Star Unfilled," "Crescent," "Vellmo"), 2626 Lacy, Los Angeles, Cal.
Tremont & Suffolk Mills, Lowell, Mass.
Victor-Monoghan Mills, Greenville, S. C.
Western Shade Cloth Co. ("Victor," "Luxor," "Cambro"), 2100 S Jefferson, Chicago, Ill.
Woodruff Cotton Mills, Woodruff, S. C.

13346— Shade Cord Mfrs.

Samson Cordage Works, 88 Broad, Boston, Mass.
Silver Lake Co., Newtonville, Mass.
Turner & Stanton Co., Norwich, Conn.

13346a— *Shadeholders

GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book

13347— Shades (Aluminum)

Dale Lighting Fixture Co., 107 W 13th, New York
Faries Mfg. Co., Decatur, Ill.
National Metal Stamping & Mfg. Co., 494 Mulberry, Newark, N. J.

Shades (Car)

See Car Curtains & Materials

13348— Shades (Celluloid)

Utility Shade Co., Tenafly, N. J.

13349-50—Shades (Glass, Pressed or Blown)

Gillinder & Sons, State & Devereaux, Philadelphia, Pa.
Gleason-Tiebout Glass Co., 93 Commercial, Brooklyn, N. Y.
Holophane Glass Co., 340 Madison av, New York
Imperial Glass Co., Bellaire, O.
Jefferson Glass Co. ("Doric All-One," "Doriclite," "Jefferson," "Moonstone," "Nitroglas"), 109 N State, Chicago, Ill.
Unique Art Glass & Metal Co., 105 Vanderveer, Brooklyn, N. Y.
Western Art Glass & Shade Works, 220 Turk, San Francisco, Cal.

13351-2—Shades (Leaded Glass, Mosaic, Etc.)

Amboy Works, Perth Amboy, N. J.
Art Shade Co., 224 N Desplaines, Chicago, Ill.
Bayley & Sons, 105 Vandeveer, B'klyn, N. Y.
Bent Glass Novelty Co., 394 Canal, New York
Cameron Glass Co. ("Cameron" Small Electric), Cameron, W. Va.
Daggett & Curry Co., Waltham, Mass.
Gudeman & Co., 30 Irving pl, New York
Handel Co., Meriden, Conn.
Ideal Art Bent Glass Co., 407 Broome, New York
Mosaic Shade Co., 589 E Illinois, Chicago, Ill.
Mutual Lamp Mfg. Co., 21 E Houston, New York
Northwestern Art Shade Co., 184 W Lake, Chicago, Ill.
Oeters Edgar O., 603 Arch, Phila., Pa.
Rainaud H. E. Co., Meriden, Conn.
Royal Art Glass Co., 243 Canal, New York
Salem Bros. 122 Centre, New York
Tiffany Studios, 361 Madison av, New York
Union Art Glass & Fixture Co., 1042 S Olive, Los Angeles, Cal.
Unique Art Glass & Metal Co. ("Imperial"), 105 Vanderveer, Brooklyn, N. Y.
Warner C. B. & J., 469 7th av, New York
Western Art Glass Shade Wks., 220 Turk, San Francisco, Cal.

13353— Shades (Paper)

Bloch L. D. & Co., 39 E 18th, New York
Mayer Willy & Co., 41 Union sq, New York
Utility Shade Co., Tenafly, N. J.
Whaley J. A. & Co., 118 5th av, New York
Will & Baumer Candle Co., Inc., 25 E 31st, New York

13354— Shades (Porch)

Aeroshade Co. ("Aerolux"), Waukesha, Wis.
Comey R. H. Co. ("Komi" Porch Curtains), Camden, N. J.
Gary Theo. H. Co. (Imp.), 67 Irving pl, New York
Hough Shade Corporation ("Vudor"), Janesville, Wis.
Leipzig A., Inc. (Bamboo, etc.), 14 W 24th, New York
Raymond Porch Shade Co., McKey blvd, Janesville, Wis.

13355— Shades (Silk)

Art Lamp Mfg. Co., 1433 S Wabash, Chicago, Ill.
Dale Lighting Fixture Co., 107 W 13th, New York
Colonial Silk Lamp Shade Mfg. Co., 697 Bedford av, 46 Ralph av, Brooklyn, N. Y.
Devoto Lamp & Shade Co., 205 2nd, San Francisco, Cal.
Gudeman & Co. (Silk & Cretonne Shades & Domes), 19 W 36th, New York
Made Well Furniture Co., 6000 Boyle av, Huntington Park, Cal.
Marquiz M. (Silk), 1018 S Wabash, Chicago, Ill.
Mason Mfg. Co., 306 Winston, Los Angeles, Cal.
Model Lamp Shade Co., 810 S Maple av, Los Angeles, Cal.
Morisnura Bros., 55 W 23d, New York
Royal Lamp Shade Co. (Silk Cretonne), 38 W 21st, New York
Starr's Mica Co., Oswego, N. Y.
Straus-Hohenstein Co., 132 W 21st, New York
Unique Art Glass & Metal Co., 105 Vanderveer, Brooklyn, N. Y.
Utility Shade Co. (Also Linen), Tenafly, N. J.
Waldo Co., 19 W 24th, New York
Whaley J. A. & Co., 118 5th av, New York
Will & Baumer Candle Co., Inc., 25 E 31st, New York

13356—Shades (Trolley Vestibule)

A. A. Elec. Mfg. Co. (Shades, Trolley, Vestibule), 355 Water, Bridgeport, Conn.
Adams-Bagnall Elec. Co., Platt av, Cleveland, O.
Baltimore Enamel & Novelty Co., Dept. H, Mt. Winans, Baltimore, Md.
Central Elec. Co., 320 S 5th av, Chicago, Ill.
Cutter Geo. Co., South Bend, Ind.
Dunlap John Co., Carnegie, Pa.
Electric Service Supplies Co., 17th & Cambria, Phila., Pa.
Enamel Products Co., Cleveland, O.
Herwig Art Shade & Lamp Co., 1757 Sedgwick, Chicago, Ill.
Hubbell, Inc., Harvey, Bridgeport, Conn.
Ivanhoe Regent Wks. of G. E. Co., 5716 Euclid av, Cleveland, O.
National Metal Stamping & Mfg. Co., 494 Mulberry, Newark, N. J.
Phila. Elec. & Mfg. Co., 1236 N 31st, Phila., Pa.
Royal Enameling & Mfg. Co., Chicago, Ill.
Vitreous Enameling Corporation, 6800 Grant av, Cleveland, Ohio
See adv index at end of book
Wheeler Reflector Co., 275 Congress, Boston, Mass.

13357—Shades & Reflectors (Glass or Porcelain)

Benjamin Electric Mfg. Co., 120 S Sangamon, Chicago, Ill.
Brown Reflector Inc. ("Brown' Automobiles), 560 4th, Boston, Mass.
Cleveland Window Glass & Door Co., 209 Champlain av, N W, Cleveland, O.
Consolidated Lamp & Glass Co. ("Cora," "Aurora," "Pastelle," "Rosedore"), Coraopolis, Pa.
Corning Glass Works (Calcite, Fancy, Glass), Dept. H, Corning, N. Y.
Crysteel Works of Benjamin Electric Mfg. Co., 847 W Jackson blvd, Chicago, Ill.
Cuhtis-Leger Fixture Co. ("Jove" "Jupiter" "Scoop Bonnet" & "Hood" Window Reflectors), 235 W Jackson blvd, Chicago, Ill.
Gill Bros. Co. ("Parian"), Steubenville, O.
Gillinder & Sons ("Melibite"), State & Devereaux, Philadelphia, Pa.
Gleason-Tiebout Glass Co. (Glass Globes), **93 Commercial, Brooklyn, N. Y.**
Herwig Art Shade & Lamp Co., 1757 Sedgwick, Chicago, Ill.
Holophane Glass Co. ("Holophane"), 340 Madison av, New York
Imperial Glass Co., Bellaire, O.
Ingram Richardson Mfg. Co. (Porcelain Enameled), Beaver Falls, Pa.
See adv index at end of book
Jefferson Glass Co. ("Luceo" Glass), Follansbee, W. Va.
Kirchberger M. & Co. (Imp.), 14th av & 37th, Brooklyn, N. Y.
Macbeth-Evans Glass Co. ("Alba"), C of C bldg, Pittsburgh, Pa.
National X-Ray Reflector Co., ("Scoop Glass Silver Mirrored), 235 W Jackson blvd, Chicago, Ill.
Opalux Co. ("Opalux"), 200 5th av, New York
Pairpoint Corp'n, New Bedford, Mass.
Phoenix Glass Co. ("Electric & Gas"), 2d Nat'l Bank bldg, Pittsburgh, Pa.
Post Glover Electric Co., 308 W 4th, Cincinnati, O.
Star Glass Co. (Glass), Star City, W. Va.
Sunlight Reflector Co., 226 Pacific, Brooklyn, N. Y.
Tindall & White Inc. ("Perfection" Shades), 329 E 22d, New York
Union Glass Co., Somerville, Mass.
Unique Art Glass & Metal Co., 105 Vanderveer, Brooklyn, N. Y.
Whaley J. A. & Co., 118 5th av, New York

13358—Shades & Reflectors (Metallic)

A. A. Electric Mfg. Co. (Zinc), Bridgeport, Conn.
Adams-Bagnall Electric Co. (For Mfg. Plants), **Platt av, Cleveland, O.**
American Reflector & Lighting Co. ("Paragon"), 517 W Jackson blvd, Chicago, Ill.
Baltimore Enamel & Novelty Co., Dept. H, Mt. Winans, Baltimore, Md.
Benjamin Electric Mfg. Co., 120 S Sangamon, Chicago, Ill.
Boesch Lamp Co., 962 Mission, San Francisco, Cal.
Chandlee H. P. Sons Co. (Small Tin), 114 W Lombard, Baltimore, Md.
Chicago Lamp & Fixture Co., 1516 S La Salle, Chicago, Ill.
Cutter George Co., South Bend, Ind.
Dale Lighting Fixture Co., 107 W 13th, New York
Dunlap John Co., Carnegie, Pa.
Enamel Products Co., Eddy rd & Taft av, Cleveland, O.
Erikson L. Elec. Co. (Reflectors Only), 6 Portland, Boston, Mass.
Faries Mfg. Co., Decatur, Ill.
Frink I. P., Inc. ("Frink"), 239 10th av, New York
Harter Mfg. Co., 524 S Clinton, Chicago, Ill.
Herwig Art Shade & Lamp Co., 1757 Sedgwick, Chicago, Ill.
Hubbell Harvey, Bridgeport, Conn.
Ivanhoe-Regent Works of General Electric Works (Lamp), 5716 Euclid av, Cleveland, O.
Klemm & Co., 132 N 5th, Phila., Pa.
McLeod, Ward & Co., 430 11th av, New York
Ostrander W. R. & Co., 371 B'way, New York
Overbagh & Ayres Mfg. Co. ("Omaco" Show Case Reflectors), 411 S Clinton, Chicago, Ill.
Peerless Light Co., 663 W Washington blvd, Chicago, Ill.
Phila., Electrical & Mfg. Co., 1236 N 31st, Phila., Pa.
Pittsburgh Reflector & Illuminating Co., Pittsburgh, Pa.
Plume & Atwood Mfg. Co. ("Plumwood"), Waterbury, Conn.
Post Glover Electric Co., 308 W 4th, Cincinnati, Ohio
Royal Enameling Mfg. Co., Des Plaines, Ill.
Troy Stamping Works, Troy, N. Y.
Unique Art Glass & Metal Co., 105 Vanderveer, Brooklyn, N. Y.
Vitreous Enameling Corporation, 6800 Grant av, Cleveland, Ohio
See adv index at end of book
Warshavsky A. W., 187 B'way, Brooklyn, N. Y.
Weeks Nelson (Tin), Meadowmere, Brooklyn, N. Y.
Western Reflector Co., 1221 W Madison, Chicago, Ill.
Wheeler Reflector Co. ("Para-Steel" "Wheeler"), 275 Congress, Boston, Mass.
Wood C. D. Electric Co. (Enam. Steel Imp), 565 B'way, New York

13359—Shades & Reflectors (Mirror)

American Reflector & Lighting Co. ("Paragon"), 517 W Jackson blvd, Chicago, Ill.
Camden Forge Co. (Marine & Mill), Camden, N. J.
Frink I. P., Inc., 239 10th av, New York
Klemm & Co. ("Diamond"), 132 N 5th, Phila., Pa.
Moswell Mfg. Co. ("Moswell" Windshield & Fender), 68 Grand, New York
Overbagh & Ayres Mfg. Co. ("Omaco"), 411 S Clinton, Chicago, Ill.
Paulson-McPike Mfg. Co. ("H&H" Automobile), 491 Eddy rd, Cleveland, O.
Pennsylvania Glass Mfg. Co., 404 Diamond, Pittsburgh, Pa.
Pittsburgh Reflector & Illuminating Co., Pittsburgh, Pa.
Rosen A. W. & Co. ("Rosco" Auto), 610 B'way, New York
Sunlight Reflector Co., 226 Pacific, Brooklyn, N. Y.
Weeks Nelson, Meadowmere, Brooklyn, N. Y.
Western Reflector Co., 1221 W Madison, Chicago, Ill.
Wheeler Reflector Co. ("Wheeler"), 275 Congress, Boston, Mass.

13359a— Shafting

AMERICAN HOLLOW BORING CO., 1055 W 19th, Erie, Pa.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Bay City Forge Co., 1820 Cranberry, Erie, Pa.
Breeze Metal Hose & Mfg. Co. (Flexible for Speedometers & Power Drives), 250 South, Newark, N. J.
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Cresson & Morris Co., 18th & Allegheny av, Phila., Pa.
Dow L. B. Inc., Keene, N. H.
Franklin Machine Co., Providence, R. I. *See adv index at end of book*
Frick & Lindsay Co. (Dlrs), Sandusky & Robinson, Pittsburgh, Pa. *See adv index at end of book*
Hunt Rodney Mach. Co., Orange, Mass.
Joliet Forge Co., Dept. H, Irving & Franklin, Joliet, Ill.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Mecklenburg Iron Wks., 510H W Trade, Charlotte, N. C.
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Moltrup Steel Products Co., 127H Period, Beaver Falls, Pa.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

13360—Shafting (Cold Drawn Steel)

American Tool & Machine Co., 10 High Boston, Mass.
Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
Columbia Steel & Shafting Co., Carnegie, Pa.
Compressed Steel Shafting Co., Readville, Mass.
Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.
Falls Clutch & Machinery Co., Cuyahoga Falls, Ohio
FITZSIMONS CO., THE, Youngstown, O. *See adv index at end of book*
FRANKLIN MACHINE CO., Providence, R. I. *See adv index at end of book*
Frasse Peter A. & Co., Inc., 417 Canal, New York. Works: Hartford, Conn.
Hanson Clutch & Machinery Co., Tiffin, O.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa. *See adv index at end of book*
Jones & Laughlin Steel Co. (Also Cold Rolled), Ross, Pittsburgh, Pa.
LARKIN & CO., J. K., 253 Broadway, New York *See adv index at end of book*
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Moltrup Steel Products Co., 127H Period, Beaver Falls, Pa.
National Tube Co., Frick bldg, Pittsburgh, Pa.
New England Drawn Steel Co., Mansfield, Mass.
Pardee C. Works, Perth Amboy, N. J.
Pennsylvania Shafting Co., Spring City, Pa.
Roanoke Iron Works, Inc., Roanoke, Va.
REPUBLIC IRON & STEEL CO., Youngstown, O. (See branch offices Alphabetical Section)
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
STANDARD GAUGE STEEL CO., Beaver Falls, Pa. *See adv index at end of book*
UNION DRAWN STEEL CO., Beaver Falls, Pa. *See adv index at end of book*
Walker Mfg. Co. ("Walker" Cold Rolled). 2156 15th, Denver, Colo.
Ward's Edgar T. Sons Co., 394 Frelinghuysen av, Newark, N. J.

13361— Shafting Collars

American Bridge Co., 30 Church, New York
American Tool & Machine Co., 10 High, Boston, Mass.
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Bond Foundry & Machine Co., Penn St., Manheim, Pa.
Brown A. & F. Co., 79 Barclay, New York.
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago
Chain Belt Co., Milwaukee, Wis. *See adv index at end of book*
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Cresson-Morris Co., Allegheny & 18th, Philadelphia, Pa.
Dodge Mfg. Corp., Mishawaka, Ind.
Erie Forge Co., Erie, Pa.
Estes E. B. & Sons (Wooden), 364 5th av, New York *See adv index at end of book*
Falls Clutch & Machinery Co., Cuyahoga Falls, Ohio
Franklin Machine Co., Providence, R. I. *See adv index at end of book*
Frick & Lindsay Co., Sandusky & Robinson, Pittsburgh, Pa. *See adv index at end of book*
Grace C. M. & Co., Huntsville, Ala.
Great Western Mfg. Co., Leavenworth, Kans.
Hanson Clutch & Machinery Co., Tiffin, O.
Hill Clutch Machine & Foundry Co., W 65th, Cleveland, O.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Plamondon A. Mfg. Co., 12 N Clinton, Chicago, Ill.
POOLE ENGINEERING & MACHINE CO., Woodberry Station, Baltimore, Md. *See adv index at end of book*
Rhode Island Tool Co. (Cold Punched), Providence, R. I.
Royersford Foundry & Machine Co. (Solid & Split), Royersford, Pa.
Standard Pressed Steel Co. ("Hallowell" Cold Rolled Steel), Jenkintown, Pa.
Walker Mfg. Co., 2156 15th, Denver, Colo.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Williams J. H. & Co. (Drop-Forged), 400 Vulcan, Buffalo, N. Y.
Wisconsin Fdry. & Mach. Co. (Line), Madison, Wis.
Wolf Co. (Safety Set, etc), Chambersburg, Pa.
Wood's T. B. Sons Co. (Safety Set), Chambersburg, Pa.

13362—Shafting (Heavy Forged Steel)

Allis-Chalmers Mfg. Co. (Alloy & Open Hearth), Milwaukee, Wis. *See adv index at end of book*
AMERICAN HOLLOW BORING CO., 1055 W 19th, Erie, Pa.
Bay City Forge Co., 1820 Cranberry, Erie, Pa.
Bethlehem Steel Co. (Solid or Hollow), South Bethlehem, Pa.
Boston Forge Co., E Boston, Mass.
Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
Franklin Machine Co., Providence, R. I. *See adv index at end of book*
Hill Clutch Machine & Foundry Co., W 65th, Cleveland, O.
Johnston & Jennings Co., Addison rd & N. Y. C. R. R., Cleveland, Ohio
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa. *See adv index at end of book*
KROPP FORGE CO., 5301 Roosevelt rd, Chicago *See adv index at end of book*
LINK-BELT COMPANY, 300 Pershing rd, Chicago, Ill. *See adv index at end of book*
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Mesta Machine Co., Box 1134, Pittsburgh, Pa. *See adv index at end of book*
Pennington Geo. W. Sons, Inc., 1699 Montgomery, San Francisco, Cal.
Philadelphia Steel & Forge Co., 50 Church, New York
Pittsburgh Forge & Iron Co., Chamber of Commerce bldg, Pittsburgh, Pa.
Sizer Forge Co., 238 Larkin, Buffalo, N. Y.
Standard Forgings Co., 80 E Jackson blvd, Chicago, Ill.
Tioga Steel & Iron Co., 52nd & Grays, Phila., Pa.
Titusville Forge Co., Titusville, Pa.
Wharton Wm. Jr. & Co. Inc., Easton, Pa.

13363—Shafting (Hollow Seamless Steel)

Allis-Chalmers Mfg. Co. (Forged), Milwaukee, Wis. *See adv index at end of book*
AMERICAN HOLLOW BORING Co., 1055 W 19th, Erie, Pa.
Bay City Forge Co., 1820 Cranberry, Erie, Pa.
National Tube Co. ("Shelby"), Frick bldg, Pittsburgh, Pa.

13364—Shafting (Iron & Steel)

Firms under this classification roll shafting
Bethlehem Steel Co., So. Bethlehem, Pa.
Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
Braeburn Steel Co. (Steel Only), Braeburn, Pa.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Cumberland Steel Co. (Turned & Ground Steel), Cumberland, Md.
Franklin Machine Co., Providence, R. I. *See adv index at end of book*
Frick & Lindsay Co., Sandusky & Robinson, Pittsburgh, Pa. *See adv index at end of book*
Illinois Steel Co. (Steel Only), 208 S La Salle, Chicago, Ill.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa. *See adv index at end of book*
Jones W. A. Foundry & Machine Co., 4442 W Roosevelt av, Chicago, Ill. *See adv index at end of book*
Judson Mfg. Co. (Iron), 819 Folsom, San Francisco, Cal.
LARKIN & CO., J. K., 253 Broadway, New York *See adv index at end of book*
Meade & Fiske, 1316H Dime Bank bldg, Detroit, Mich.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
SMITH DAVID H. & SONS, Foot of 51st, Brooklyn, N. Y. *See adv index at end of book*
Titusville Forge Co., Titusville, Pa.
Ward's Edgar T. Sons Co. (Steel), 45-54 Farnsworth, Boston, Mass.
Wyckoff Drawn Steel Co., Frick bldg, Pittsburgh, Pa.

13364a—Shafting (Monel Metal)

Eagle Brass Foundry Co., 21 Spokane, Seattle, Wash.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal) *See adv index at end of book*
Pacific Foundry Co., Harrison & 18th, San Francisco, Cal.
Schwartz Mill Sup. Co., Inc., Edward, 520 Toulouse, New Orleans, La.
Steel Sales Corp., 129 S Jefferson, Chicago
Tull Rubber & Sup. Co., J. M., 150 Marietta, Atlanta, Ga.
Whitehead Metal Products Co., 67 Washington, N Boston, Mass.
Whitehead Metal Products Co. of N. Y., Inc., 261 Canal, New York
Williams & Co., Inc., 901 Pennsylvania av, Pittsburgh, Pa.

13364b—Shafting (Naval Bronze)

CONKLIN BRASS & COPPER CO., T. E., 54-60 Lafayette, New York

13365—Shafting (Polished Steel)

American Hollow Boring Co., 1055 W 19th, Erie, Pa.
American Tool & Machine Co., 10 High, Boston, Mass.
Bay City Forge Co., 1820 Cranberry, Erie, Pa.
Bethlehem Steel Co., So. Bethlehem, Pa.
Bliss & Laughlin (Keyseated & Fitted with Couplings), Harvey, Ill.
Blum Julius & Co., 540 W 22nd, New York
Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
Brightman Mfg. Co. (Cold Drawn, 1-4-in. to 1 3-16-in), Columbus, O.
Brown A. & F. Co., 79 Barclay, New York.
Columbia Steel & Shafting Co., Carnegie, Pa.
Compressed Steel Shafting Co., Readville, Mass.
Cresson-Morris Co., Allegheny & 18th, Philadelphia, Pa.
Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.
Cumberland Steel Co. (Turned & Ground), Cumberland, Md.
Fitzsimons Co., Wilson av, Youngstown, Ohio *See adv index at end of book*
Franklin Machine Co., Providence, R. I. *See adv index at end of book*
Frasse Peter A. & Co. Inc., 417 Canal, New York. Works: Hartford, Conn.
Hanson Clutch & Machinery Co., Tiffin, O.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa. *See adv index at end of book*
Jones & Laughlin Steel Co., Ross, Pittsburgh, Pa.

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See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
New England Drawn Steel Co., Mansfield, Mass.
Pardee C. Works, Perth Amboy, N. J.
Penn Shafting Co., Spring City, Pa.
Republic Iron & Steel Co. ("Acme"), Youngstown, O.
See Branch Offices Alphabetical Section
Standard Gauge Steel Co., Beaver Falls, Pa.
See adv index at end of book
UNION DRAWN STEEL CO., Beaver Falls, Pa.
See adv index at end of book
Ward's Edgar T. Sons Co. ("Ward"), 394 Freylinghuysen av, Newark, N. J.
Wood's T. B. Sons Co., Chambersburg, Pa.

13366— Shafting (Turned)

Allis-Chalmers Mfg. Co. (Steel), Milwaukee, Wis.
See adv index at end of book
AMERICAN HOLLOW BORING CO., 105b W 19th, Erie, Pa.
American Tool & Machine Co. (Iron & Steel), 10 High, Boston, Mass.
Bay City Forge Co., 1820 Cranberry, Erie, Pa.
Brightman Mfg. Co. (1 1-4" to 6"), Columbus, O.
Brown A. & F. Co. (Steel), 79 Barclay, New York
Columbia Steel & Shafting Co., Carnegie, Pa.
Cumberland Steel Co. (Turned & Ground Steel), Cumberland, Mu.
Dick R. & J. Ltd., Passaic, N. J.
Franklin Machine Co., Providence, R. I.
See adv index at end of book
Frasse Peter A. & Co. Inc. (Cold Rolled Steel), 417 Canal, New York
Great Western Mfg. Co., Leavenworth, Kans.
Hanson Clutch & Machinery Co., Tiffin, O.
Hill Clutch Machine & Foundry Co., W 65th, Cleveland, O.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
MEDART COMPANY THE, 3500 De Kalb, St. Louis, Mo.
See adv index at end of book
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Pardee C. Works, Perth Amboy, N. J.
Sizer Forge Co., 238 Larkin, Buffalo, N. Y.
Standard Gauge Steel Co., Beaver Falls, Pa.
See adv index at end of book
Titusville Forge Co. (Forged 10 lbs. to 30 Tons), Titusville, Pa.
UNION DRAWN STEEL CO. (Steel), Beaver Falls, Pa.
See adv index at end of book
Walker Mfg. Co., Denver, Colo.
Wood's T. B. Sons, Co., Chambersburg, Pa.

13367—Shafting (Yellow Metal)

Conklin Brass & Copper Co., T. E., 54-60 Lafayette, New York
See adv index at end of book
Taunton-New Bedford Copper Co., Taunton, Mass.

13367a— Shafts (Axle)

Anglers U. S. A., Streator, Ill.
Butler Automotive Steel Co., Easton, Pa.
Foreman W. D., 1803 Indiana, Chicago, Ill.
Lyon Edw. F. Co., 166 E Euclid, Detroit, Mich.
Miller & Herlocker, N Main & Alameda, Los Angeles, Cal.
Service Gear & Machine Co., Reading, Pa.
Spencer Metal Products Co., Spencer, O.
Wilkinson Auto Parts Co., 1549 E. 20th, Los Angeles, Cal.

13368— Shafts (Cam)

Am. Hollow Boring Co. (Hollow Bored Steel), 1055 W 19th, Erie, Pa.
Anderson Forge & Machine Co., Detroit, Mich.
Atlas Drop Forge Co., Lansing, Mich.
Bay City Forge Co., 1820 Cranberry, Erie, Pa.
Bethlehem Shipbuilding Corp., Ltd., 20th & Michigan, San Francisco, Cal.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Camden Forge Co., Camden, N. J.
Commercial Machine Co., Dunkirk, N. Y.
Driggs-Seabury Ordnance Co., Sharon, Pa.
Gordon L. O. Mfg. Co. ("Gordon"), Muskegon, Mich.
Haskins R. G. Co. ("Haskins"), 7 S Desplaines, Chicago, Ill.
Indianapolis Drop Forging Co., 1300 Madison av, Indianapolis, Ind.
Jackson Motor Shaft Co., Jackson, Mich.
Ladish Drop Forge Co., Cudahy, Wis.
Lansing Forge Co., Lansing, Mich.
Modern Die & Drop Forge Co., H 139th, Blue Island, Ill.
Muskegon Motor Specialties Co. ("Accuratime"), Muskegon, Mich.
Obenberger Drop Forge Co., 53rd & Burnham, Milwaukee, Wis.
Peninsular Auto Parts Co., 46 E Lafayette, Detroit, Mich.
Pittsburgh Shafting Co. of Detroit, 346 W Fort, Detroit, Mich.
Pollak Steel Co., Cincinnati, Ohio
Steel Products Co., 2206 Clarkwood rd, Cleveland, Ohio
Transue & Williams Steel Forging Corp., Alliance, O.
Vulcan Steam Forging Co., Inc., 251 Rano, Buffalo, N. Y.
Western Drop Forge Co., P. O. Box 386, Marion, Ind.
Western Tool & Forge Co., Brackenridge, Pa.

13369— Shafts (Flexible)

Almond T. R. Mfg. Co. ("Almond" Flexible Electric), Ashburnham, Mass.
Binghamton Flexible Shaft Co., Binghamton, N. Y.
Breeze Metal Hose & Mfg. Co., 250 South, Newark, N. J.
CHICAGO FLEXIBLE SHAFT CO., 1150 S Central av, Chicago, Ill.
See adv index at end of book
Coates Clipper Mfg. Co. ("Coates" Unit Link), 237 Chandler, Worcester, Mass.
Dixon Wm. (Dirs), 119 Fulton, New York
FISCHER CHAS. SPRING CO., 240 Kent av, Brooklyn, N. Y.
GEM MFG. CO. ("Gem" Motor Driven), Goebel, nr Fulton, N S, Pittsburgh, Pa.
See adv index at end of book
Haskins R. G. ("Haskins"), 516 W Monroe, Chicago, Ill.
STOW MFG. CO., INC. ("Stow Improved"), Binghamton, N. Y.
See adv index at end of book
Strand N. A. & Co., 5001 N Lincoln, Chicago, Ill.
Webb Mfg. Co., 245-247 N. J. R. R. av, Newark, N. J.
Williams J. H. & Co. (Forgings), 400 Vulcan, Buffalo, N. Y.

13370— Shafts (Golf Stick)

ANCHOR SAW MILLS CO., 434 Washington, New York
Dayton Handle & Golf Co., Dayton, O.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Minton T. W. & Son, Barbourville, Ky.
STILES H. A. & CO., 166-174 Portland, Boston, Mass.
See adv index at end of book

13371— Shafts (Jack)

American Tool & Machine Co., 10 High, Boston, Mass.
Dice Machine Co., Anderson, Ind.
Hanson Clutch & Machinery Co., Tiffin, O.
Link-Belt Company, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Muncie Gear Works, Muncie, Ind.
Russell Motor Axle Co., North Detroit, Mich.
Timken Detroit & Axle Co., Clark av, Detroit, Mich.

13371a— Shafts (Key Seated)

Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Standard Gauge Steel Co., Beaver Falls, Pa.
See adv index at end of book
Wood's T. B. Sons Co., Chambersburg, Pa.

13372—Shafts (Key Seating)

American Tool & Machine Co., 10 High, Boston, Mass.
Dodge Mfg. Corp., Mishawaka, Ind.
Hanson Clutch & Machinery Co., Tiffin, O.
Hill Clutch Machine & Foundry Co., W 65th, Cleveland, O.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Lockhart Iron & Steel Co., McKees Rocks, Pa.
Medart Company The, 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Pardee C. Works (Planished), Perth Amboy, N. J.
Republic Iron & Steel Co., Youngstown, O.
For Branch Offices see Alphabetical Section
Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.
Standard Gauge Steel Co., Beaver Falls, Pa.
See adv index at end of book
Union Drawn Steel Co., Beaver Falls, Pa.
See adv index at end of book
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book
Wood's T. B. Sons Co., Chambersburg, Pa.

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13373—Shafts (Phosphor Bronze)

Phosphor Bronze Smelting Co., 2202 Washington av, Phila., Pa.

13374—Shafts & Poles (Carriage & Wagon)

Abeles & Taussig Lumber & Tie Co., Commercial bldg, St. Louis, Mo.
Brown S. N. & Co., Dayton, O.
Buckeye Handle, Gear & Bending Co., Alliance O.
Campbell & Dann Mfg. Co., Tullahoma, Tenn.
Coopersburg Bending Works, Coopersburg, Pa.
Crane & MacMahon, Inc., St. Marys, Ohio
Dann Bros. & Co., New Haven, Conn.
Donges John & Co., Hamilton, O.
Empire Bending Works (Shafts Only), Lancaster, Pa.
Gillett E. A. & Sons, Charlestown, Boston, Mass.
Hartzell Geo. W., Dayton, O.
Holt Bros. Mfg. Co., Concord, N. H.
Ketler-Elliott Co. ("Ketoco" Axle Shafts), 31st & California, Chicago, Ill.
Lamb-Fish Lumber Co., Charleston, Miss.
Lebzelter P. & Son Co., Lancaster, Pa.
Leippe's Jacob A. Sons, Reading, Pa.
Leonard F. B. & Co., Metropolis, Ill.
Love Wagon Co., Durant, Miss.
Metropolis Bending Co., Metropolis, Ill.
Mills Ellsworth Co., Keokuk, Ia.
Minton T. W. & Son, Barbourville, Ky.
Pioneer Pole & Shaft Co., Piqua, O.
Racine General Mfg. Co. (Jobbers), Racine, Wis.
Reuter Hub & Spoke Co., Dexter, Mo.
Shepard H. G. & Sons, James & River, New Haven, Conn.
Springer Bros. Mfg. Co., Edwardsville, Ill.
Thomasville Spoke Works Co., Thomasville, N. C.
Union Bending Works, Collins, O.
Waterloo Bending Co., Waterloo, Ind.

13375— Shakers

American Machine & Mfg. (Cotton Seed), Atlanta, Ga.
Fargo E. A. Corp. (Aluminum, Lemonade & Sugar), Taunton, Mass.
Ray Geo. A. Mfg. Co. (Lemonade, Pepper, Sugar, etc), 1495 Niagara, Buffalo, N. Y.
Sutterley G. T. Co., 1720 N 2nd, Phila., Pa
Tyler W. S. Co. (Testing Sieve), Cleveland, O. *See adv index at end of book*

13376—Shakers (Locomotive Grate)

Franklin Railway Supply Co. ("Franklin" Power), 17 E 42nd, New York.

13377—Shakers (Pepper & Salt)

Cassady Fairbank Mfg. Co. (Aluminum), 6126 S La Salle, Chicago, Ill.
Fargo E. A. Corp. (Aluminum), Taunton, Mass.
Standard Aluminum Co. (Aluminum), Two Rivers, Wis.

13378— Shampoos

Edwardsville Brass Co., Edwardsville, Ill.
Huntington Chemical Co. (Liquid), Huntington, Ind.

13379— Shanks (Button)

Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book

13380—Shanks (Ladle Carrying)

General Welding & Mfg. Co. ("P&O"), 347 Florida, Milwaukee, Wis.
Industrial Equipment Co., Minster, Ohio

13381— Shanks (Shoe)

Churchill & Allen, Lynn, Mass.
Rochester Shank Co., Rochester, N. Y.
Stevens & Willis Co., South Braintree, Mass.
Stimpson Edwin B. Co. (Steel), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book

13382—Shapes (Pressed Metal)

Acklin Stamping Co., 1659 Dorr, Toledo, Ohio
Beehler Steel Products Co., 1449 N 13th, St. Louis, Mo.
See adv index at end of book
BINGHAM STAMPING & TOOL CO., Post and Albion, Toledo, Ohio.
See adv index at end of book
Boston Pressed Metal Co., 171 Union, Worcester, Mass.
Globe Machine & Stamping Co. (To Order) 1250 W 76th, Cleveland, O.
Hamilton Wm. Sons Car Co., Newark, Ohio
Heltzel Steel Form & Iron Co. (The), Warren, Ohio
See adv index at end of book
Kales Stamping Co., 1680 W Lafayette blvd, Detroit, Mich.
See adv index at end of book
WATERBURY BUTTON CORP., 831 So Main, Waterbury, Conn.
See adv index at end of book
Zeigler Mfg. Co., Alexandria, Ind.

13382a—*Shapes (Seamless Steel)

Pressed Steel Tank Co., West Allis, Milwaukee, Wis.

HACKNEY
Seamless Steel Shells
All open shells, boiler shells, fountain shells and oil vessels manufactured by us are drawn from one piece of open hearth flange quality or fire box quality steel (A.S.M.E. Spec.).
Shells made up to 29" diam., gauge limit ⅝".
PRESSED STEEL TANK CO.
West Allis Milwaukee, Wis.

13383—Shares (Plow, Lister, Etc.)

Avery B. F. & Sons, Louisville, Ky.
Brown-Manly Plow Co., Malta, O.
Brown Mfg. Co., Zanesville, O.
Crescent Forge & Shovel Co., Havana, Ill.
Harriman Mfg. Co., Harriman, Tenn.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Mason F. C. & Co., St. Johns, Mich.
Noll Bros., 849 Ailis, Milwaukee, Wis.
Ohio Cultivator Co., Bellevue, O.
Star Mfg. Co. (Steel), Carpentersville, Ill.
WATERBURY BUTTON CORP., 831 S Main, Waterbury, Conn.
See adv index at end of book

13384— Sharpeners (Disc)

Durner A. E. ("Little Wonder," "Giant Wonder"), Evansville, Wis.
Gould Balance Valve Co. ("Dow" Cold Rolling), Kellogg, Ia.
Herschel R. Mfg. Co. ("Reliable"), Peoria, Ill.
Monmouth Plow Factory, Monmouth, Ill.
Murray Iron Works Co. ("Monarch"), Central av & Washington, Burlington, Iowa
Reschke Machine Works Co., Wichita, Kas.
Rock Island Plow Co., Rock Island, Ill.
Skow Mfg. Co. ("Skow" Rotary), Newton, Iowa

13385— Sharpeners (Dowel)

Stanley Rule & Level Co. (Wood), New Britain, Conn.

Sharpeners (Drill)

See Drill Sharpening Machines

13385a— Sharpeners (Drill Bit)

Dodge Sales & Engineering Co., Mishawaka, Ind.
Sullivan Machinery Co., 122 S Michigan av, Chicago, Ill.

13386—Sharpeners (Drill Steel)

See also Drill Sharpening Machines
INGERSOLL-RAND CO. ("Leyner"), 11 B'way, New York
See adv index at end of book
Sullivan Machinery Co., 122 S Michigan av, Chicago, Ill.

13386a— Sharpeners (File)

MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

13387— Sharpeners (Knife)

American Cutlery Co. ("Ideal"), 764 Mather, Chicago, Ill.
Baldwin C. S. Mfg. Co. ("Milford"), Cherry, Milford, Conn.
Berk Bros., 543 Broadway, New York
Carborundum Co. ("Carborundum"), Niagara Falls, N. Y.
Cassady Fairbank Mfg. Co. (Emery & Corundum), 6126 S La Salle, Chicago, Ill.
Chatillon John & Sons, 85H Cliff, New York
Holley Co., 21 Elm, Rochester, N. Y.
Washington blvd, Chicago, Ill.
Johnson E. P. Rule Mfg. Co. (Reel), 565 Washington blvd., Chicago, Ill.
Luther Grinder Mfg. Co., 285 S Water, Milwaukee, Wis.
White Ira F. & Son Co., Bloomfield, N. J.
Worthington A. P. ("E. Z."), 700 N Main, Los Angeles, Cal.

13388—Sharpeners (Lawn Mower)

Coldwell Lawn Mower Co. ("Coldwell"), Newburgh, N. Y.
Fate-Root-Heath Co. ("Favorite," "Ideal," "Peerless" Grinder), Plymouth, O.
See adv index at end of book
Hampden Corundum Wheel Co., Brightwood, Springfield, Mass.
Luther Grinder Mfg. Co. ("Ideal," "Superior"), 285 S Water, Milwaukee, Wis.
Osborn Mfg. Co., 5401 E Hamilton av, Cleveland, O.
Royal Mfg. Co., 406 Commerce, Phila., Pa.

Sharpeners (Mower Knife)

See Grinders, Sickle & Mower Knife

13389— Sharpeners (Pencil)

Automatic Pencil Sharpener Co., 58 E Wash., Chicago, Ill.
Boston Specialty Corp. ("Boston"), 261 B'way, New York
Crescent Mfg. Co., Fremont, O.
Eagle Pencil Co., 703 E 13th, New York
Farnham Printing & Stationery Co. (Electric), 806 Lbr. Exch., Minneapolis, Minn.
New Era Mfg. Co., 476 Broadway, New York
Roneo Co. ("Roneo" Automatic), 392 Broadway, New York
Specialty Mfg. Co., Decatur, Ill.
Weber Co., F., 1220 Buttonwood, Philadelphia, Pa.
Webster F. S. Co. ("Webster"), 340 Congregational, Boston, Mass.

13390-1-2—Sharpeners (Plow Blade)

Strite Governor Pulley Co. ("Justrite"), 307 S 3rd, Minneapolis, Minn.

Sharpeners (Rock Drill)

See Drill Sharpening Machines

13393— Sharpeners (Saw)

See also Saw Sharpening Machines; also Band Saw Filing & Setting Machines; also Saw Filing & Setting Machines
Armstrong Mfg. Co., 2 2d, Portland, Ore.
Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Covel Mfg. Co. (Band Saw, etc), Benton Harbor, Mich.
Disston Henry & Sons (Inc.), Tacony, Phila., Pa.
Hanchett Swage Wks. ("Hanchett" Automatic), Big Rapids, Mich.
Nutter & Barnes Co. (Automatic), Hinsdale, N. H.
Riverside Machine Works ("Crescent"), Kokomo, Ind.
Rogers Eagle Mach. Wks, 16-20 Elk, Buffalo, N. Y.
Rothfuss-Howard Iron Wks, Williamsport, Pa.
Wilkinson A. J. & Co. ("Elkins" Saw Filler), 184 Washington, Boston, Mass.

13394—Sharpeners (Shoe Knife)

United Shoe Machinery Co. ("U. S. M. C."), 205 Lincoln, Boston, Mass.

13395— Sharpeners (Skate)

Luther Grinder Mfg. Co. (Bench Skate Grinder Attachment), 285 So Water, Milwaukee, Wis.
Osborn Mfg. Co. ("File 'em Quick"), 5401 Hamilton av, Cleveland, O.

13396— Sharpeners (Swage)

Disston Hy. & Sons (For Band & Gang Saws), Tacony, Phila., Pa.

13397— Sharpeners (Tool)

Luther Grinder Mfg. Co., 285 S Water, Milwaukee, Wis.
Walker O. S. Co. ("Globe," for Machine Tools), 12 Westland, Worcester, Mass.

13398— Shavers (Ice)

See also Ice Cube Cutting Machinery
American Knife Co., Baldwinsville, N. Y.
Arcade Mfg. Co., Freeport, Ill.
Blakeslee G. S. & Co., W 19th & S 52d av, Cicero, Ill.
Bodenstein J. G. & Co., Staatsburg, N. Y.
Briddell Chas. D., 820 W Main, Cristfield, Md.
Burgess & Norton Mfg. Co. ("Bur-Nor" Pick & Shaver Combined), Geneva, Ill.
Columbus Handle & Tool Co., Columbus, Ind.
Duffy Mfg. Co., 214 W Grand av, Chicago, Ill.
Enterprise Mfg. Co. of Pa., 3rd & Dauphin, Phila., Pa.
GIFFORD-WOOD CO., Hudson, N. Y.
Gilchrist Co. ("Yankee" Steel), 236 Bank, Newark, N. J.
Giles & Nielsen Nickel Works, Troy, N. Y.
Gruman Ice Tool Works, Branchville, Conn.
Nicol & Co. ("White City"), 218 N Jefferson, Chicago, Ill.
North Bros. Mfg. Co. ("Gem"), Lehigh av & American, Phila., Pa.
Reinhold Mfg. Co. ("Jumbo"), 693 E Palmer, Detroit, Mich.
Stover Mfg. & Engine Co. ("Ideal"), Freeport, Ill.
Williams A. C. Co., Ravenna, O.
Wrightsville Hardware Co., Wrightsville, Pa.

13399—Shavers (Smoked Beef)

Blakeslee G. S. & Co., W 19th & S 52nd av, Cicero, Ill.
Enterprise Mfg. Co. of Pa., 3rd & Dauphin, Phila., Pa.

Shaves (Heel & Edge)

See Knives, Shoe

13400— Shaves (Spoke)

Bagshaw & Field, 445 N 5th, Phila., Pa.
Boker Cutlery & Hardware Co., Inc. (Imported), 101 Duane, New York
Buckeye Mfg. & Foundry Co. (1 & 2 Knife), 2046 W 55th, Cleveland, O.
Chapin-Stephens Co., Pine Meadow, Conn.
Cincinnati Tool Co. ("Hargrave"), Main & Waverly av, Cincinnati, Ohio
Goodell-Pratt Co., Greenfield, Mass.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Millers Falls Co. ("Millers Falls"), Dept. H, Millers Falls, Mass.
Osborne C. S. & Co. (Harnesss Makers, etc), Box 183, Newark, N. J.
See adv index at end of book
Sargent & Co. (Iron & Wood), New Haven, Conn.
Smith, Seymour & Son (Iron), Oakville, Conn.
Stanley Rule & Level Co. ("Bailey"), New Britain, Conn.
White L. & I. J. Co. (Adjustable, etc), 120 Columbia, Buffalo, N. Y.
Wood A. A. & Sons Co., Atlanta, Ga.

13401— Shavings (Baled)

Becker & Moore (White Pine), No Tonawanola, N. Y.
Dock & Mill Company, 100 Main, North Tonawanda, N. Y.
Herne J. F. Co., Charlestown District, Boston, 29, Mass.
Nashua Spool & Bobbin Co., Haverhill National Bank bldg, Haverhill, Mass.
National Sawdust Co. (All Kinds), 102 N 1st, Brooklyn, N. Y.
Page Geo. G. Box Co., Cambridge, Mass.
Smith Oscar & Son ("Pioneer"), Albany, N. Y.
Wilson Lumber & Box Co., Tonawanda, N. Y.

13402—Shavings Collecting Systems

See also Dust Collectors, Mechanical

Allen Engineering & Mfg. Co. ("Hurri-Kleen"), Savannah, Ga.
Cleveland Blow Pipe & Mfg. Co., 6950 Kinsman rd, Cleveland, O.
Dixie Mfg. Co., Russel & B. & O. R. R., Baltimore, Md.
Goethel Alfred C. Co., 301-303 Fourth, Milwaukee, Wis.
Hartford Blower Co., Hartford, Conn.
Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cincinnati, O.
National Blow Pipe & Mfg. Co., 738 Dryades, New Orleans, La.
Shreveport Blow Pipe & Sheet Iron Works, (Ltd.), Shreveport, La.
York Heating & Ventilating Corp., Mill, Bridgeport, Pa.

13403— Shavings (Cork)

Armstrong Cork Co., 24th & A. V. R. R., Pittsburgh, Pa.

13404— Shavings (Vinegar & Brewers')

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Kelso & Co. (Clarifying), 557 W Quincy, Chicago, Ill.
Redlich Mfg. Co., 637-647 W Oak, Chicago, Ill.

13405— Shavings (Zinc)

American Zinc Prod. Co., Greencastle, Ind.
Ball Bros. Co., Munice, Ind.
Braun Corporation, 363 New High, Los Angeles, Cal.
Calkins Co., Los Angeles, Cal.
Pacific Tank & Pipe Co. (For Gold, Silver Precipitation), 318 Market, San Francisco, Cal.
Stanley Rule & Level Plant ("Bailey"), New Britain, Conn.

13406— *Shearing

Breese Bros. Co., The, 2347 Reading rd, Cincinnati, O.
See adv index at end of book

The Breese Bros. Company
SHEET METAL WORK
Shearing, Punching, Forming
of
Sheets, Bars and Angles
2347 Reading Rd., Cincinnati, Ohio

13407-8— Shears (Alligator)

CANTON FDRY. & MACH. CO. ("Canton"), Canton, Ohio
See adv index at end of book
Cleveland Punch & Shear Works, 3917 St. Clair av, Cleveland, Ohio
See adv index at end of book
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Covington Machine Co. ("Covington"), Lexington, Covington, Va.
Danville Iron & Steel Co ("Little Giant" Portable), Danville, Pa.
Doelger & Kirsten, 3015 Chambers, Milwaukee, Wis.
Evans John Sons, 506 N 13th, Philadelphia, Pa.
Excelsior Tool & Machine Co., 32d & Ridge, East St. Louis, Ill.
Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn.
See adv index at end of book
Hendley & Whittmore Co. ("Beloit"), Beloit, Wis.
Lewis Foundry & Machine Co., Farmers Bank bldg, Pittsburgh, Pa.
LONG & ALSTATTER CO. (THE), Hamilton, O.
See adv index at end of book
Massillon Foundry & Machine Co. ("Massillon"), Massillon, O.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
Morgan Engineering Co., Alliance, O.
Pels Henry & Co., Inc., 90 West, New York
See adv index at end of book
Philadelphia Roll & Machine Co. (For Scrap & Old Boiler Shells), 52d & Grays av, Phila., Pa.
Rock River Machine Co. ("Badger" Belt Driven), Janesville, Wis.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
United Engineering & Foundry Co., Farmers Bk. bldg, Pittsburgh, Pa.
Vulcan Engineering Sales Co. ("Vulcan"), 1764 Elston av, Chicago, Ill.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Youngstown Foundry & Machine Co., Youngstown, O.

13409— Shears (Angle Iron)

Alliance Machine Co., Alliance, O.
Beatty Machine & Mfg. Co., Dept. H, Hammond, Ind.
Bertsch & Co., Cambridge City, Ind.
Braun J. G., 609 S Paulina, Chicago, Ill.
Buffalo Forge Co. ("Pygmy" Hand & Power), 490 B'way, Buffalo, N. Y.
Chambersburg Engineering Co., Chambersburg, Pa.
Cincinnati Iron & Steel Co. ("Cisco"), Cincinnati, O.
Cleveland Punch & Shear Works, 3917 St. Clair av, Cleveland, Ohio
See adv index at end of book
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Covington Machine Co. ("C. C. Wais Patent"), Covington, Va.
Dreis Ed. J. Co., 200 2d, San Francisco, Cal.
Excelsior Tool & Machine Co., 32d & Ridge, East St. Louis, Ill.
KLING BROS. ENGINEERING WORKS, 1300 N Kostner av, Chicago, Ill.
See adv index at end of book
LONG & ALSTATTER CO. (Belt or Motor Driven, Double or Shingle Shaft & on Turntable), Hamilton, O.
See adv index at end of book
Massillon Foundry & Machine Co. ("Massillon"), Massillon, O.
National Roll & Fdy. Co., Avonmore, Pa.
New Doty Mfg. Co., Janesville, Wis.
Niagara Machine & Tool Works, Buffalo, N. Y.
Niles-Bement-Pond Co., 111 Broadway, New York *See adv index at end of book*
PELS HENRY & CO., INC., 90 West, New York *See adv index at end of book*
Perkins Machine Co., Warren, Mass.
Rock River Machine Co. ("Badger"), Janesville, Wis.
Royersford Foundry & Machine Co., Royersford, Pa.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Schatz Mfg. Co., Poughkeepsie, N. Y.
SOUTHWARK FOUNDRY & MACHINE CO., 1128 S 4th, Phila., Pa.
See adv index at end of book
Stoll D. H. Co., 30 Lansing, Buffalo, N. Y.
See adv index at end of book
Toledo Machine & Tool Co. ("Toledo"), Toledo, O.
Thomas Spacing Mach. Co., Glenshaw, Pa.
United Engineering & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.
Watson-Stillman Co. (Hydraulic), 38 Church, New York
See adv index at end of book
Whiting Geo. Co., 1719 Elston av, Chicago
Wickes Bros., Saginaw, Mich.
See adv index at end of book
Williams White & Co., 301 8th, Moline, Ill.
Wood R. D. & Co., 400 Chestnut, Phila., Pa.

13410a— Shears (Automatic)

Doelger & Kersten, 3015 Chambers, Milwaukee, Wis.

13411—Shears (Bar, Billet, Strip & Plate)

Alliance Machine Co., Alliance, O.
Beatty Machine & Mfg. Co., Dept. H, Hammond, Ind.
Bethlehem Steel Co., Bethlehem, Pa.
Braun J. G., 609 S Paulina, Chicago, Ill.
Buffalo Forge Co. ("Pygmy" Hand & Power), 490 B'way, Buffalo, N. Y.
Chambersburg Engineering Co., Chambersburg, Pa.
Cleveland Punch & Shear Works Co., 3917 St. Clair av N E, Cleveland, Ohio
See adv index at end of book
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Covington Machine Co. ("C. C. Wais Patent"), Covington, Va.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Ironton Punch & Shear Co., Ironton, O.
KLING BROS. ENGINEERING WORKS, 1300 N Kostner av, Chicago, Ill.
See adv index at end of book
Lewis Foundry & Machine Co., Farmers Bank bldg, Pittsburgh, Pa.
Long & Allstatter Co. (Bar Iron, Belt or Motor Driven), Hamilton, O.
See adv index at end of book
Mackintosh-Hemphill Co., 12th & Etna, Pittsburgh, Pa.
Massillon Foundry & Machine Co. ("Massillon"), Massillon, O.
Merwin Mfg. Co., Erie, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
Morgan Engineering Co., Alliance, Ohio.
National Roll & Foundry Co., Avonmore, Pa.
Newbold R. S. & Son Co., Norristown, Pa.
New Doty Mfg. Co., Janesville, Wis.
PELS HENRY & CO., INC., 90 West, New York *See adv index at end of book*
Phillips & McLaren Co. (Bar Only), 24th & Smallman, Pittsburgh, Pa.
QUICKWORK CO., St. Marys, O.
See adv index at end of book
Rock River Machine Co. ("Badger" Bar & Round Iron), Janesville, Wis.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Schatz Mfg. Co., Poughkeepsie, N. Y.
SOUTHWARK FOUNDRY & MACHINE CO., 1128 S 4th, Phila., Pa.
See adv index at end of book
Treadwell Engineering Co., Easton, Pa.
See adv index at end of book
Tucker W. B. & C. F. ("Hercules," "Leviathan"), 191 Franklin, Hartford, Conn.
United Engineering & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.
Whiting Geo. Co., 1719 Elston av, Chicago, Ill.
Wickes Bros., Saginaw, Mich.
See adv index at end of book
Williams White & Co. (Open Fronted Guillotine Type), 301 8th, Moline, Ill.
Wood R. D. & Co. (Hydraulic), 400 Chestnut, Phila., Pa.
Youngstown Foundry & Machine Co., Youngstown, O.

13412—Shears (Beam & Channel)

See also Shears, Angle Iron

Bethlehem Steel Co. (Hydraulic), South Bethlehem, Pa.
Chambersburg Engineering Co., Chambersburg, Pa.
Cincinnati Iron & Steel Co. ("Cisco"), Cincinnati, O.
KLING BROS. ENGINEERING WORKS, 1300 N Kostner av, Chicago, Ill.
See adv index at end of book
PELS HENRY & CO., INC. (Unbreakable Rolled Steel Frame; Open & Closed Throats Type), 90 West, New York
See adv index at end of book
Schatz Mfg. Co., Poughkeepsie, N. Y.
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book

13413— Shears (Bench)

Bartlett Mfg. Co. ("Bartlett"), 428 E Lafayette av, Detroit, Mich.
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Braun J. G., 609 S Paulina, Chicago, Ill.
Chandler & Farquhar Co. ("Federal"), 250 Devonshire, Boston, Mass.
Cleveland Punch & Shear Works, 3917 St. Clair av, Cleveland, Ohio
See adv index at end of book
Dreis & Krump Mfg. Co., 7420 S Loomis, Chicago, Ill. *See adv index at end of book*
Goodell-Pratt Co., Greenfield, Mass.
Hinman D. A. & Co. ("Hinman"), Sandwich, Ill.
Merwin Mfg. Co. ("Vulcan", Shear & Rod Cutter), Erie, Pa.
Niagara Machine & Tool Wks., Buffalo, N. Y.
Oliver W. W. Mfg. Co., 1433 Niagara, Buffalo, N. Y.
PELS HENRY & CO., INC. (Unbreakable Rolled Steel Frame), 90 West, New York *See adv index at end of book*
Rock River Machine Co., Janesville, Wis.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Schatz Mfg. Co., Poughkeepsie, N. Y.
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book
Viking Shear Co. ("Viking" Portable), Erie, Pa.

13414— Shears (Beveling)

Cleveland Punch & Shear Works, 3917 St. Clair av, Cleveland, Ohio
See adv index at end of book
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
KLING BROS. ENGINEERING WORKS, 1300 N Kostner av, Chicago, Ill.
See adv index at end of book
Marshalltown Mfg. Co. ("Marshalltown"), Marshalltown, Iowa
New Doty Mfg. Co., Janesville, Wis.
Niles-Bement-Pond Co., 111 B'way, New York
See adv index at end of book
Pels Henry & Co., Inc., 90 West, New York
See adv index at end of book
Perkins Machine Co. (Plate Beveling), Warren, Mass.
QUICKWORK CO. (Also cuts square edges in straight and irregular shapes), St. Marys, O.
Rock River Machine Co. ("Badger"), Janesville, Wis.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Schatz Mfg. Co., Poughkeepsie, N. Y.
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book
Stoll D. H. Co., 30 Lansing, Buffalo, N. Y.
See adv index at end of book
United Engineering & Foundry Co. (For Rolling Mills), Farmers Bk. bldg, Pittsburgh, Pa.

13415—Shears (Billet & Bloom)

Alliance Machine Co., Alliance, O.
Bethlehem Steel Co., South Bethlehem, Pa.
Chambersburg Engineering Co. (Hydraulic & Power), Chambersburg, Pa.
CLEVELAND PUNCH & SHEAR WORKS, 3917 St. Clair av, Cleveland, Ohio
See adv index at end of book
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
LONG & ALLSTATTER CO., Hamilton, Ohio *See adv index at end of book*
Mackintosh-Hemphill Co. (Hydraulic, etc.), 12th & Etna, Pittsburgh, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
Morgan Construction Co. ("Edwards" Flying Shear), Worcester, Mass.
Morgan Engineering Co (Duplex Hydraulic & Electric), Alliance, Ohio.
National Roll & Foundry Co., Avonmore, Pa.
New-Doty Mfg. Co. (Heavy Motor Driven), Janesville, Wis.
PELS HENRY & CO., INC., 90 West, New York *See adv index at end of book*
QUICKWORK CO., St. Marys, O.
See adv index at end of book
Rock River Machine Co. ("Badger"), Janesville, Wis.
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book
United Engineering & Foundry Co., Farmers Bk. bldg, Pittsburgh, Pa.
Williams White & Co., 301 8th, Moline, Ill.
Wood R. D. & Co. (Hydraulic), 400 Chestnut, Phila., Pa.

13416—Shears (Brushmakers')

Stortz John & Son, 210 Vine, Phila., Pa.

13417— Shears (Circle)

BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Fuller Otis L. Co. ("Rapid"), Goshen, Ind.
Niagara Machine & Tool Wks., Buffalo, N. Y.
Ohl Geo. A. Co., 159 Oraton, Newark, N. J.
Newbold R. S. & Son Co., Norristown, Pa.
Peck, Stow & Wilcox Co., Southington, Conn.
Perkins Machine Co. (Metal), Warren, Mass.
QUICKWORK CO. (Unique method of cutting circles), St. Marys, O.
See adv index at end of book
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill.
See adv index at end of book
Schatz Mfg. Co., Poughkeepsie, N. Y.
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book
STOLL D. H. CO., 30 Lansing, Buffalo, N. Y. *See adv index at end of book*
Thomas Mach. Co. ("Waugh"), Elmira, N. Y.
Toledo Machine & Tool Co. ("Toledo"), Toledo, O.

13418-9— Shears (Clipping)

Imperial Machine Co., 1611 Central av, Minneapolis, Minn.
United Engineering & Foundry Co. (For Rolling Mills), Farmers Bk. bldg, Pittsburgh, Pa.

Shears (Crocodile)

See Shears, Alligator

13420-1—Shears (Double Plate & Sheet Mill)

Aetna Foundry & Machine Co. (The), Warren, O.
Bertsch & Co., Cambridge City, Ind.
Braun J. G., 609 S Paulina, Chicago, Ill.
Cleveland Punch & Shear Works, 3917 St. Clair av, Cleveland, Ohio
See adv index at end of book
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Kling Bros. Engineering Works, 1300 N Kostner av, Chicago, Ill.
Lewis Foundry & Machine Co., Pittsburgh, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
National Roll & Foundry Co., Avonmore, Pa.
QUICKWORK CO., St. Marys, O.
See adv index at end of book
Scuthwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book
United Engineering & Foundry Co., Farmers Bk. bldg, Pittsburgh, Pa.
Wheeling Mold & Fdry. Co., Wheeling, W. Va.

13422— Shears for Heavy Boiler Plates, Etc.

Beatty Machine & Mfg. Co., Dept. H, Hammond, Ind.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Pels Henry & Co., Inc., 90 West, New York *See adv index at end of book*
QUICKWORK CO. (Cuts irregular shapes & openings), St. Marys, O.
See adv index at end of book

13423— Shears for Sheet Metal Work

Beatty Machine & Mfg. Co., Dept. H, Hammond, Ind.
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Braun J. G., 609 S Paulina, Chicago, Ill.
Cincinnati Iron & Steel Co. ("Cisco"), Cincinnati, O.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Fuller Otis L. Co. ("Rapid"), Goshen, Ind.
Heartley Machine, Variety Iron & Tool Works, 900 Summit, Toledo, O.
NIAGARA MACHINE & TOOL WKS., Buffalo, N. Y.
Pacific Machine Tool Co., 325 Commercial, Los Angeles, Cal.
PELS HENRY & CO., INC., 90 West, New York *See adv index at end of book*
QUICKWORK CO. (Invaluable to General Sheet Metal Workers), St. Marys, O.
See adv index at end of book
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill.
See adv index at end of book
Schatz Mfg. Co., Poughkeepsie, N. Y.
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book
Streine Tool & Mfg. Co. ("Streine"), New Bremen, Ohio
Tucker W. B. & C. F. ("Hercules," "Leviathan"), 191 Franklin, Hartford, Conn.

13424— Shears (Gap)

Beatty Machine & Mfg. Co., Dept. H, Hammond, Ind.
Bethlehem Steel Co., South Bethlehem, Pa.
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
KLING BROS. ENGINEERING WORKS, 1300 N Kostner av, Chicago, Ill.
See adv index at end of book
Long & Alstatter Co. (The), Hamilton, O.
See adv index at end of book
Niagara Machine & Tool Works (Power), Buffalo, N. Y.
Pels Henry & Co., Inc., 90 West, New York
See adv index at end of book
Rock River Machine Co., Janesville, Wis.
Schatz Mfg. Co., Poughkeepsie, N. Y.
Streine Tool & Mfg. Co. ("Streine"), New Bremen, Ohio

13425—Shears (Gate or Guillotine)

Alliance Machine Co., Alliance, O.
Beatty Machine & Mfg. Co., Dept. H, Hammond, Ind.
Bertsch & Co., Cambridge, Ind.
CLEVELAND PUNCH & SHEAR WORKS, 3917 St. Clair av, Cleveland, Ohio
See adv index at end of book
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Covington Machine Co. ("Covington"), Lexington, Covington, Va.
Danville Iron & Steel Co., Danville, Pa.
Danville Foundry & Machine Co., Danville, Pa.
Farrel Foundry & Machine Co. (Gate & Alligator), 30 Main, Ansonia, Conn.
See adv index at end of book
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Ironton Punch & Shear Co. (Gate Only), Ironton, O.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
KLING BROS. ENGINEERING WORKS, 1300 N Kostner av, Chicago, Ill.
See adv index at end of book
Long & Allstatter Co. (Gate Shears, Motor or Belt Driven & Double or Single Geared), Hamilton, O.
See adv index at end of book
Niles-Bement-Pond Co., 111 Broadway, New York *See adv index at end of book*
PELS HENRY & CO., INC., 90 West, New York *See adv index at end of book*
Rock River Machine Co. ("Badger" Bar & Billet), Janesville, Wis.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill.
See adv index at end of book
Schatz Mfg. Co., Poughkeepsie, N. Y.
SOUTHWARK FOUNDRY & MACHINE CO., 1128 S 4th, Phila., Pa.
See adv index at end of book
Thomas Spacing Machine Co., Glenshaw, Pa.
United Engineering & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.
Vulcan Engineering Sales Co. ("Vulcan"), 1764 Elston av, Chicago, Ill.
Williams, White & Co. (Gate), 301 8th, Moline, Ill.
Wood R. D. & Co., 400 Chestnut, Phila., Pa.

13426—Shears (Gauge Table)

Hickok W. O. Mfg. Co., Harrisburg, Pa.

13427— Shears (Grape)

Clauss Shear Co., Fremont, O.
Clyde Cutlery Co., Clyde, O.
Cronk & Carrier Mfg. Co., 150 Lake, Elmira, N. Y.

13428-9—Shears (Hand Power)

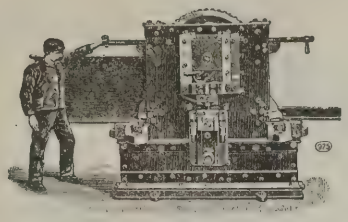
Bartlett Mfg. Co., 428 E Lafayette av, Detroit, Mich.
Bertsch & Co., Cambridge City, Ind.
Braun J. G., 609 S Paulina, Chicago, Ill.
Champion Blower & Forge Co. ("Champion," for Blacksmiths, etc), Lancaster, Pa.
Cincinnati Iron & Steel Co. ("Cisco"), Cincinnati, O.
Disston Hy. & Sons, Tacony, Phila., Pa.
Dreis & Krump Mfg. Co., 7420 S Loomis, Chicago, Ill. *See adv index at end of book*
Excelsior Tool & Machine Co., 32nd & Ride, East St. Louis, Ill.
Fuller Otis L. Co. ("Rapid"), Goshen, Ind.
Hinman D. A. & Co. (For Sheet Metal), Sandwich, Ill.
Kane & Roach, Syracuse, N. Y.
Lewthaite T. H. Machine Co., 413 E 31st, New York
Little Giant Punch & Shear Co. ("Little Giant" Bench), Sparta, Ill.
McKenne Co. (Reinjoicing Bar), 1845 E 38th, Cleveland, O.
Merchant & Evans Co., Washington av & 21st, Philadelphia, Pa.
PELS HENRY & CO., INC. (Unbreakable Rolled Steel Frame), 90 West, New York.
See adv index at end of book
Perkins Machine Co. (Metal), Warren, Mass.
QUICKWORK CO. (Power drive if desired), St. Marys, O.
See adv index at end of book
Quinn Wire & Iron Works ("Simplex" for Blacksmiths), Boone, Ia.
Rock River Machine Co., Janesville, Wis.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill.
See adv index at end of book
Schatz Mfg. Co., Poughkeepsie, N. Y.
Simonsen Iron Works, Sioux Rapids, Ia.
Smith & Egge Mfg. Co. ("Eureka"), for Cutting Wire, Rods & Strip Metal), Bridgeport, Conn.
Stoll D. H. Co., 30 Lansing, Buffalo, N. Y.
See adv index at end of book
Tucker W. B. & C. F. ("Hercules," "Leviathan" for Sheet, Bar and Rod), 191 Franklin, Hartford, Conn.
Whitney Metal Tool Co. ("Viking"), Rockford, Ill.

Shears (Hoof)

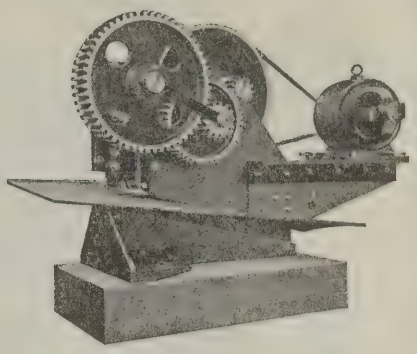
See Parers, Hoof



Single End Punch—Type LU



Double Ended Coping Machine—Type AT



Splitting Shear—Type B

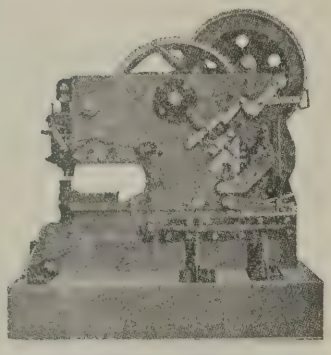
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A Complete Line of Super Shears and Punches

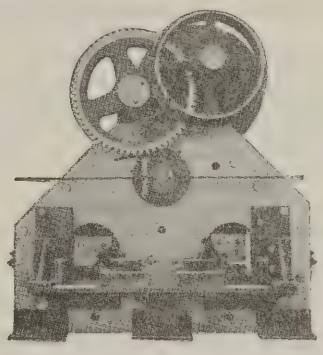
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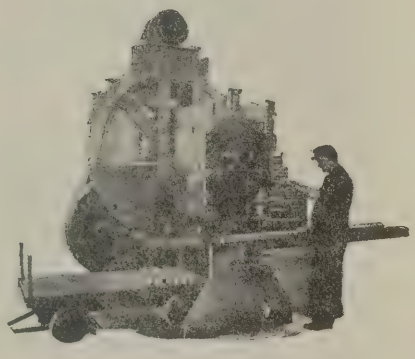
Tell us in what class of work you are interested and we will forward the proper Bulletin.



Punch, Bar, Angle and Tee Cutter with Splitting Shear—Type BMEFGLU



Double Ended Angle and Tee Shear—Type GF

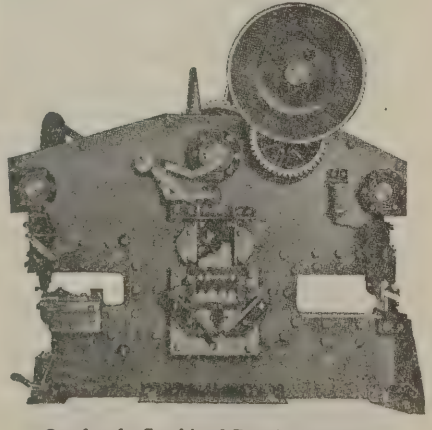


Open Throat Bar Shear—Type KS

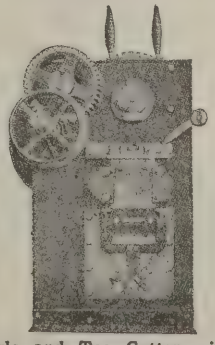


Double Ended Angle, Tee and Bar Shear—Type GEF

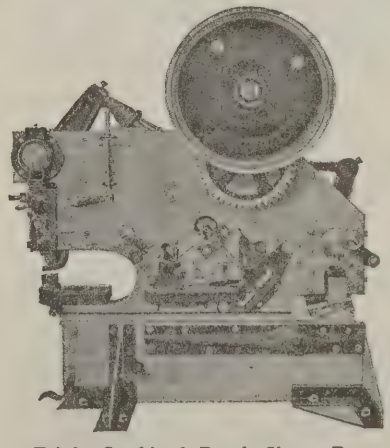
Henry Pels & Co. 88 West St New York



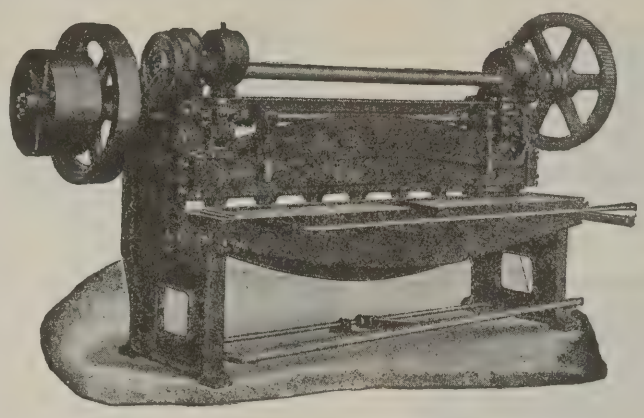
Quadruple Combined Punch Shear Bar, Angle, Tee, Beam and Channel Cutter —Type LUSEFF



Bar, Angle and Tee Cutter with Beam and Channel Shear—Type EFF



Triple Combined Punch Shear, Bar Angle and Tee Cutter—Type BLUEFG



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30 Lansing Street -:- Buffalo, N. Y.

13430—Shears (Horse Clipping)

Boker Cutlery & Hardware Co., 101 Duane, New York
Clauss Shear Co. ("Clauss"), Fremont, O.
Columbian Cutlery Co. ("Columbia"), Reading, Pa.
Wiss J. & Sons Co., 31 Littleton av, Newark, N. J.

13431— Shears (Hydraulic)

Alliance Machine Co., Alliance, O.
Bertsch & Co., Cambridge City, Ind.
Bethlehem Steel Co., South Bethlehem, Pa.
Birdsboro Steel Foundry & Machine Co., N Birdsboro, Pa.
Chambersburg Engineering Co., Chambersburg, Pa.
Mackintosh-Hemphill Co. (Plate, Bloom, Etc.), 12th & Etna, Pittsburgh, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
Morgan Construction Co., Worcester, Mass.
Morgan Engineering Co., Alliance, Ohio
SOUTHWARK FOUNDRY & MACHINE CO., 1128 S 4th, Phila., Pa.
See adv index at end of book
United Engineering & Foundry Co. (For Tin, Bar, Bloom, Slab, Etc.), Farmers Bk. bldg, Pittsburgh, Pa.
WATSON-STILLMAN CO., 38 Church, New York *See adv index at end of book*
Wood R. D. & Co. (Multiple Power Plate Shear), 400 Chestnut, Philadelphia, Pa.
Wood Wm. H., Media, Pa.

13432— Shears (Index)

Hickok W. O. Mfg. Co., Harrisburg, Pa.

Shears (Lawn)

See Shears, Sheep, Grass & Hedge

13433-4— Shears (Lever)

Badger State Machine Co., Janesville, Wis.
Bartlett Mfg. Co. ("Searchlight," Compound Lever Mechanics'), 40 Lafayette, Detroit, Mich.
Bertsch & Co., Cambridge City, Ind.
Birmingham Iron Foundry, Derby, Conn.
Cincinnati Iron & Steel Co. ("Cisco"), Cincinnati, O.
Cleveland Punch & Shear Works, 3917 St. Clair av, Cleveland, Ohio
See adv index at end of book
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Dreis & Krump Mfg. Co., 7420 S Loomis, Chicago, Ill. *See adv index at end of book*
Edwards C. D., Albert Lea, Minn.
Excelsior Tool & Machine Co., 32d & Ridge, East St. Louis, Ill.
Farrel Foundry & Machine Co., 30 Main, Ansonia, Conn.
See adv index at end of book
Garrison A. Foundry Co. ("Alligator," Heavy), 901 Bingham, Pittsburgh, Pa.
Heartley Machine Variety Iron & Tool Works (Hand Lever), 900 Summit, Toledo, O.
Klemm E. R., 1453 Austin av, Chicago, Ill.
Lewis Foundry & Machine Co., Farmers Bank bldg, Pittsburgh, Pa.
Lewthwaite T. H. Machine Co., 413 E 31st, New York
Long & Alstatter Co. (The), Hamilton, O.
See adv index at end of book
Merwin Mfg. Co. ("Vulcan"), Erie, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
New Doty Mfg. Co., Janesville, Wis.
Niagara Machine & Tool Works, Buffalo, N. Y.
See adv index at end of book
Pawtucket Mfg. Co., Pawtucket, R. I.
Peck, Stow & Wilcox Co., Southington, Conn.
PELS HENRY & CO., INC. (Unbreakable Rolled Steel Frame), 90 West, New York
See adv index at end of book
Pittsburgh Iron Works Co., 2170 Bedford av, Pittsburgh, Pa.
Robinson J. M. Mfg. Co. (Slitting), 3282 Spring Grove av, Cincinnati, O.
Rock River Machine Co. ("Badger"), Janesville, Wis.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Stoll D. H. Co., 30 Lansing, Buffalo, N. Y.
See adv index at end of book
Tucker W. B. & C. F. ("Hercules," "Leviathan" for Sheet, Bar & Rod), 191 Franklin, Hartford, Conn.
United Engineering & Foundry Co. (For Rolling Mills), Keenan bldg, Pittsburgh, Pa.
Western Blower Co., 1800 9th av S, Seattle, Wash.
Williams, White & Co., Moline, Ill.
Youngstown Foundry & Machine Co. ("Pitman" Type), Youngstown, O.

13435— Shears (Paper)

Bradley Milton Co., 74 Park, Springfield, Mass.
Claus Shear Co., Fremont, O.
Golding Mfg. Co. (Paper, Cardboard, etc), Franklin, Mass.
Winchester Repeating Arms Co. ("Winchester"), 275 Winchester, New Haven, Conn.

13436—Shears (Paper Box Makers')

Beck Chas. Machine Co., 607 Chestnut, Phila., Pa.
Jacques Jno. & Son, 93 Webster, Worcester, Mass.
Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.

13437—Shears (Paper Hangers')

Clauss Shear Co. ("Clauss"), Fremont, O.
Ridgely Trimmer Co., Springfield, Ohio
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.
Wiss J. & Sons Co., 31 Littleton av, Newark, N. J.

Shears (Plate Splitting)

See Shears, Splitting

13437a—Shears (Portable Motor Driven)

Doelger & Kirsten, 3015 Chambers, Milwaukee, Wis.

Shears (Poultry)

See Scissors, Poultry

13438— Shears (Power)

Alliance Machine Co., Alliance, O.
Beatty Machine & Mfg. Co., Dept. H, Hammond, Ind.
Bertsch & Co., Cambridge City, Ind.
Bethlehem Steel Co., Bethlehem, Pa.
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Cleveland Punch & Shear Works, 3917 St. Clair av, Cleveland, Ohio
See adv index at end of book
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Excelsior Tool & Machine Co., 32d & Ridge, East St. Louis, Ill.
Fuller Otis L. Co. ("Rapid"), Goshen, Ind.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Gowanda Agricultural Works (For Cutting Sheet Steel, 20-24 inch), Gowanda, N. Y.
Heartley Machine, Variety Iron & Tool Works, 900 Summit, Toledo, O.
Ironton Punch & Shear Co., Ironton, O.
Kling Bros. Engineering Works, 1300 N Kostner av, Chicago, Ill.
Lewis Foundry & Machine Co., Farmers Bank bldg, Pittsburgh, Pa.
LONG & ALSTATTER CO. (THE), Hamilton, O.
See adv index at end of book
Mackintosh-Hemphill Co. (For Rolling Mills, Etc.), 12th & Etna, Pittsburgh, Pa.
Massillon Foundry & Machine Co. ("Massillon"), Massillon, O.
Morgan Engineering Co., Alliance, O.
New Doty Mfg. Co., Janesville, Wis.
Niagara Machine & Tool Works, Buffalo, N. Y.
NILES-BEMENT-POND CO., 111 Broadway, New York
See adv index at end of book
Pacific Machine Tool Co. (Foot & Power), 325 Commercial, Los Angeles, Cal.
PELS HENRY & CO., INC., 90 West, New York *See adv index at end of book*
QUICKWORK CO., St. Marys, O.
See adv index at end of book
Robinson J. C. Mfg. Co., 3282 Spring Grove av, Cincinnati, O.
Royersford Foundry & Machine Co., Royersford, Pa.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Schatz Mfg. Co., Poughkeepsie, N. Y.
SOUTHWARK FOUNDRY & MACHINE CO., 1128 S 4th, Phila., Pa.
See adv index at end of book
Standard Machinery Co., Provience, R. I.
STOLL D. H. CO., 30 Lansing, Buffalo, N. Y. *See adv index at end of book*
Streine Tool & Mfg. Co., New Bremen, O.
Toledo Machine & Tool Co. ("Toledo"), Toledo, O.
United Engineering & Foundry Co., Farmers Bk. bldg, Pittsburgh, Pa.
WATSON-STILLMAN CO., 38 Church, New York *See adv index at end of book*
Williams, White & Co., Moline, Ill.

13439— Shears (Pruning)

Barr Bros. Co. ("Kut-em-slik"), Oakland, Cal.
Bartlett Mfg. Co. ("Searight"), 423 E Lafayette av, Detroit, Mich.
Belcher George S. Machine Co., 12 North av, Wakefield, Mass.
Boker Cutlery & Hardware Co. ("Trenton"), 101 Duane, New York
Carmichael David, Sacramento, Cal.
Cartwright J. M., Malaga, Cal.
Carver Tool Works ("Carver's"), Spring Valley, N. Y.
Clauss Shear Co. ("Clauss Buckeye"), Fremont, O.
Clyde Cutlery Co. (Hedge, etc, Waters' Pat'n, Draw Cut "Red Clipper," "Buckeye"), Clyde, O.
Craig G. C., Rumney Depot, N. H.
Cronk & Carrier Mfg. Co. ("Fresno"), 150 Lake, Elmira, N. Y.
Graef & Schmidt ("Turn Brand" Imp), 107 Chambers, N. Y.
Gray Iron Casting Co., Springfield, O.
Gray Iron Foundry Co., Reading, Pa.
Grey Iron Casting Co., Mt. Joy, Pa.
Henry John T. Mfg. Co. (California Pat'n), Hamden, Conn.
Little Giant Mfg. Co., Saugatuck, Mich.
Nagley Mfg. Co. ("Diamond Edge"), Lyons, N. Y.

Northwest Fence & Wire Works ("Bastian"), E 11th & Flanders, Portland, Ore.
Peck Stow & Wilcox Co. ("Pexto"), Southington, Conn.
Reading Saddle & Mfg. Co. ("Reading"), Reading, Pa.
Rhodes Mfg. Co. ("Rhodes" Double Cut), Grand Rapids, Mich.
Sayre L. A. Co., 333 Mulberry, Newark, N. J.
Seymour Mfg. Co. (Waters' Pat'n), Seymour, Ind.
Smith, Seymour & Son ("Royal," "Imperial," "Concord," "Granger," "Taylor," "Levin," "California," "Rockdale," "Smith's Ideal," "Oakland," "Redlands," "Standard," "Telephone"), Oakville, Conn.
Wiss J. & Sons Co. (Solid Steel), 31 Littleton av, Newark, N. J.

13440— Shears (Rotary)

BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Fuller Otis L. Co. ("Rapid"), Goshen, Ind.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Heartley Machine Variety Iron & Tool Works, 900 Summit, Toledo, O.
Kling Bros. Engineering Works, 1300 N Kostner av, Chicago, Ill.
McWilliams Mfg. Co., 237 Eddy, Providence, R. I.
Marshalltown Mfg. Co. ("Marshalltown" Spliting), Marshalltown, Iowa
Michigan Press Co., Ypsilanti, Mich.
Morgan Construction Co., Worcester, Mass.
Newbold R. S. & Son Co., Norristown, Pa.
NIAGARA MACHINE & TOOL WORKS, Buffalo, N. Y.
Ohl Geo. A. & Co. (Slitting), 159 Oraton, Newark, N. J.
Perkins Machine Co., Warren, Mass.
QUICKWORK CO. (Cuts all shapes with square or beveled edges) ("Quickwork"), St. Marys, O.
See adv index at end of book
Rock River Machine Co. ("Badger"), Janesville, Wis.
Ryerson Jos. T. & Son, Inc. ("Lennox"), 2558 W 16th, Chicago, Ill.
See adv index at end of book
Schatz Mfg. Co., Poughkeepsie, N. Y.
SOUTHWARK FOUNDRY & MACHINE CO., 1128 S 4th, Phila., Pa.
See adv index at end of book
Standard Machinery Co., Providence, R. I.
Stoll D. H. Co., 30 Lansing, Buffalo, N. Y.
See adv index at end of book
Streine Tool & Mffg. Co., New Bremen, Ohio
Thomas Mach. Co. ("Waugh"), Elmira, N. Y.
Tinker F. & Sons Co. (Cutters), 5687 Butler, Pittsburgh, Pa.
Toledo Machine & Tool Co. ("Toledo"), Toledo, O.
Wagner C. DeWitt, Cedar Rapids, Ia.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Yoder Co., 5570H Walworth, Cleveland, Ohio

13441—Shears (Rotary Circle)

BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Fuller Otis L. Co. ("Rapid"), Goshen, Ind.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Niagara Machine & Tool Wks., Buffalo, N. Y. *See adv index at end of book*
Perkins Machine Co., Warren, Mass.
QUICKWORK CO. (Unique circle cutting attachment), St. Marys, O.
See adv index at end of book
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill.
See adv index at end of book
SOUTHWARK FOUNDRY & MACHINE CO., 1128 S 4th, Phila., Pa.
See adv index at end of book
Thomas Mach. Co. ("Waugh"), Elmira, N. Y.
Tinker F. & Sons Co. (Cutters), 5687 Butler, Pittsburgh, Pa.

13442—Shears (Rotary, Pipe Cutting)

Newbold R. S. & Son Co., Norristown, Pa.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Tinker F. & Sons Co. (Cutters), 5687 Butler, Pittsburgh, Pa.
United Engineering & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.

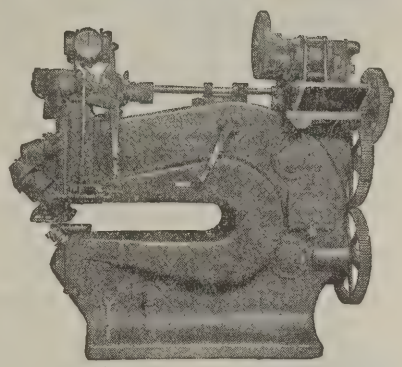
13443—Shears (Rotary Slitting)

BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Fuller Otis L. Co. ("Rapid"), Goshen, Ind.

"QUICKWORK"

(TRADE-NAME REGISTERED THROUGHOUT THE WORLD)

ROTARY SHEARS



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MADE IN VARIOUS SIZES AND STYLES

For cutting all gauges of sheet and plate up to 1 inch thick used in building Ships, Boilers, Cars, Tanks and General Plate and Sheet Metal Work. Cut square or beveled edges in straight or irregular shapes, also cut rings and discs, and cut openings without starting in from side of sheet. Leaves the metal flatter than any other Rotary or Short Straight-Bladed Shear. Cuts a clean edge that requires no finishing.

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Agents for South Africa: D. Drury & Co., Ltd., Johannesburg.

Kling Bros. Engineering Works, 1300 N Kostner av, Chicago, Ill.
Loy & Nawrath Co. (Foot & Belt Power), 25 Runyon, Newark, N. J.
Niagara Machine & Tool Wks., Buffalo, N. Y.
Ohl Geo. A. & Co., 159 Oraton, Newark, N. J.
QUICKWORK CO. (Fastest method of slitting long plates), St. Marys, O.
See adv index at end of book
Rock River Machine Co., Janesville, Wis.
Schatz Mfg. Co., Poughkeepsie, N. Y.
Simmons Machine Co., Inc., 987 Broadway, Albany, N. Y.
SOUTHWARK FOUNDRY & MACHINE CO., 1128 S 4th, Phila., Pa.
See adv index at end of book
Tinker F. & Sons Co. (Cutters), 5687 Butler, Pittsburgh, Pa.
Toledo Machine & Tool Co. ("Toledo"), Toledo, O.
Wagner C. DeWitt, Cedar Rapids, Ia.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Whelan D. J. (Est. of) ("Capitol"), Troy, N. Y.

13444— Shears (Scrap)

Beatty Machine & Mfg. Co., Dept. H, Hammond, Ind.
CANTON FDRY. & MACH CO. ("Canton"), Canton, Ohio
See adv index at end of book
Cleveland Punch & Shear Works, 3917 St. Clair av, Cleveland, Ohio
See adv index at end of book
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Danville Iron & Steel Co. ("Little Giant" Portable Aligator), Danville, Pa.
Doelger & Kirsten, 3015 Chambers, Milwaukee, Wis.
Excelsior Tool & Machine Co., 32nd & Ride, East St. Louis, Ill.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Lewis Foundry & Machine Co., Farmers Bank bldg, Pittsburgh, Pa.
Long & Alstatter Co. (The), Hamilton, O.
See adv index at end of book
Mackintosh-Hemphill Co. (Motor Driven Plate), 12th & Etna, Pittsburgh, Pa.
Massillon Foundry & Machine Co. ("Massillon"), Massillon, O.
Mesta Mach. Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
Niagara Machine & Tool Wks. (For Light Scrap), Buffalo, N. Y.
See adv index at end of book
PELS HENRY & CO., INC., 90 West, New York *See adv index at end of book*
Rock River Machine Co. ("Badger" Lever Rolling Mill, etc), Janesville, Wis.
Schatz Mfg. Co., Poughkeepsie, N. Y.
United Engineering & Foundry Co., Farmer Bk. bldg, Pittsburgh, Pa.

13445— *Shears (Scroll)

Niagara Machine & Tool Wks., Buffalo, N. Y.
See adv index at end of book

13446—Shears (Sheep, Grass & Hedge)

Bartlett Mfg. Co., 428 Lafayette av, Detroit, Mich.
Boker Cutlery & Hardware Co. ("Trenton"), 101 Duane, New York
Columbian Cutlery Co. ("Columbia"), Reading, Pa.
Cronk & Carrier Mfg. Co. (Grass & Hedge Only), 150 Lake, Elmira, N. Y.
Dunn Edge Tool Co. ("Lightning" Grass & Hedge), Oakland, Me.
Gay Geo. E. ("Uncle Sam"), Augusta, Me.
Gowanda Agricultural Works (Dog or Sheep), Gowanda, N. Y.
Heimerdinger W. C. (Grass, Sheep or Horse), Louisville, Ky.
Keiser Mfg. Co., Reading, Pa.
Wiebusch & Hilger ("Winkinson Sheffield, England Imp."), 106 Lafayette, New York

13447—Shears (Shoe Trimming)

Emrich Phil ("Emrich"), 824 Main, Cincinnati, O.

13448— Shears (Slitting)

Aetna Foundry & Machine Co. (Metal Slitting), Warren, O.
Beatty Machine & Mfg. Co., Dept. H, Hammond, Ind.
Bertsch & Co., Cambridge City, Ind.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Buffalo Forge Co. ("Pygmy" Hand & Power), 490 B'way, Buffalo, N. Y.
CLEVELAND PUNCH & SHEAR WORKS, 3917 St. Clair av, Cleveland, Ohio
CONSOLIDATED MACH. TOOL CORP. OF Rochester, N. Y.
See adv index at end of book
Fuller Otis L. Co. ("Rapid"), Goshen, Ind.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Heartley Machine, Variety Iron & Tool Works, 900 Summit, Toledo, O.
Hendley & Whittemore Co. ("Beloit" Single & Double Back Geared, Lever, etc), Beloit, Wis.
Ironton Punch & Shear Co., Ironton, O.
Keene Geo. C. & Co., 2327 Florence av, Cincinnati, O.
Kidder J. F. Mfg. Co. ("Little Blacksmith"), Burlington, Vt.
Kling Bros. Engineering Works, 1304 Kingsbury, Chicago, Ill.
Mersick C. S. & Co. (Compound Lever & Pinion), New Haven, Conn.
Michigan Press Co. (Gang Slitters), Ypsilanti, Mich.
Niagara Machine & Tool Works (Hand Slitting), Buffalo, N. Y.
Ohl Geo. A. & Co., 159 Oraton (Also Rotary Slitting), Newark, N. J.
Pawtucket Mfg. Co. (30 & 52 inch), Pawtucket, R. I.
Pels Henry & Co., Inc., 90 West, New York
See adv index at end of book

(Continued on following page)

Shears (Slitting)—Continued

Perkins Machine Co., Warren, Mass.
QUICKWORK CO. (Also bevels, joggles and cuts, irregular shapes), St. Marys, Ohio
See adv index at end of book
St. Louis Machine Tool Co., 922 Loughborough, St. Louis, Mo.
Schatz Mfg. Co., Poughkeepsie, N. Y.
SOUTHWARK FOUNDRY & MACHINE CO., 1128 S 4th, Phila., Pa.
See adv index at end of book
Stoll D. H. Co., 30 Lansing, Buffalo, N. Y.
See adv index at end of book
Torrington Mfg. Co., Torrington, Conn.
United Engineering & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.
Whelan D. J. (Est. of) ("Capital" Rotary), Troy, N. Y.

13449— Shears (Splitting)

Ætna Foundry & Machine Co. (The) (Metal Slitting), Warren, O.
Alliance Machine Co., Alliance, O.
Beatty Machine & Mfg. Co., Dept. H, Hammond, Ind.
Bertsch & Co. ("Universal"), Cambridge City, Ind.
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Braun J. G., 609 S Paulina, Chicago, Ill.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Covington Machine Co. ("Covington"), Lexington, Covington, Va.
Excelsior Tool & Machine Co., 32d & Ridge, E St. Louis, Ill.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Hendley & Whitmore Co. (Hand Power), Beloit, Wis.
Ironton Punch & Shear Co., Ironton, O.
Kling Bros. Engineering Works, 1300 N Kostner av, Chicago, Ill.
Little Giant Punch & Shear Co., Sparta, Ill.
Long & Allstatter Co. (Belt or Motor Driven), Hamilton, O.
See adv index at end of book
Marshalltown Mfg. Co. ("Marshalltown" Rotary), Marshalltown, Iowa
New Doty Mfg. Co. (Hand & Power), Janesville, Wis.
Niagara Machine & Tool Works (Power), Buffalo, N. Y. *See adv index at end of book*
PELS HENRY & CO., INC. (Unbreakable Roll-1 Steel Frame), 90 West, New York *See adv index at end of book*
QUICKWORK CO. (The fastest machine made), St. Marys, O.
See adv index at end of book
Rock River Machine Co. ("Badger," Steel Splitting, Hand or Belt Power), Janesville, Wis.
Ryerson Jos. T. & Son, Inc. ("Lennox" Rotary), 2558 W 16th, Chicago, Ill.
See adv index at end of book
Schatz Mfg. Co., Poughkeepsie, N. Y.
SOUTHWARK FOUNDRY & MACHINE CO., 1128 S 4th, Phila., Pa.
See adv index at end of book
Stoll D. H. Co., 30 Lansing, Buffalo, N. Y.
See adv index at end of book
United Engineering & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.
Wagner C. De Witt, Cedar Rapids, Ia.
Williams, White & Co., 301 8th, Moline, Ill.
Wood R. D. & Co. (Hydraulic), 400 Chestnut, Phila., Pa.

13450-1—Shears (Squaring)

Ætna Foundry & Machine Co. (The) (Doubling & Shearing), Warren, O.
Ams Max Machine Co. (Cans Makers, etc.), 101 Park av, New York
See adv index at end of book
Beatty Machine & Mfg. Co., Dept. H, Hammond, Ind.
Bertsch & Co. (Combined Multiple Punch & Shear), Cambridge, Ind.
BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Canton Foundry & Machine Co. ("Universal"), Canton, Ohio
See adv index at end of book
Cleveland Punch & Shear Works, 3917 St. Clair av, Cleveland, Ohio
See adv index at end of book
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Excelsior Tool & Machine Co. ("Excelsior" geared), 32nd & Ride, East St. Louis, Ill.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Heartley Machine, Variety Iron & Tool Works, 900 Summit, Toledo, O.
Ironton Punch & Shear Co., Ironton, O.
Lewis Foundry & Machine Co., Farmers Bank Bldg., Pittsburgh, Pa.
Long & Alstatter Co. (The), Hamilton, O.
See adv index at end of book
Loy & Nawrath Co. (Foot & Belt Power), 25 Runyon, Newark, N. J.
Merchant & Evans Co., Washington av & 21st Philadelphia, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
Michigan Press Co. ("Michigan"), Ypsilanti, Mich.
Morgan Engineering Co., Alliance, O.
National Roll & Foundry Co., Avonmore, Pa.
New Doty Mfg. Co., Janesville, Wis.
NIAGARA MACHINE & TOOL WORKS (Power & Foot Operated), Buffalo, N. Y.
Ohl Geo. A. & Co. (Heavy & Light), 159 Oraton, Newark, N. J.
Pacific Machine Tool Co., 325 Commercial Los Angeles, Cal.
Peck, Stow & Wilcox Co. (For Sheet Metal), Southington, Conn.
Pels Henry & Co., Inc., 90 West, New York
See adv index at end of book
Perkins Machine Co. (Metal Squaring & Circle), Warren, Mass.
Robinson J. M. Mfg. Co., 3282 Spring Grove av, Cincinnati, O.
Rock River Machine Co. ("Badger"), Janesville, Wis.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill.
See adv index at end of book
Schatz Mfg. Co., Poughkeepsie, N. Y.
Simmons Machine Co., Inc., 987 Broadway, Albany, N. Y.
SOUTHWARK FOUNDRY & MACHINE CO., 1128 S 4th, Phila., Pa.
See adv index at end of book
Toledo Machine & Tool Co. ("Toledo"), Toledo, O.
United Engineering & Foundry Co. (For Tin Plate & Rolling Mills), Farmers Bank bldg, Pittsburgh, Pa.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Wheeling Mold & Fdry. Co., Wheeling, W. Va.

Shears (Tinners')

See Snips, Tinners'

13452— Shears (Tobacco)

Nagley Mfg. Co. (Cutting Tobacco in the Field), Lyons, N. Y.

13453— Shears (Vertical)

Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Ironton Punch & Shear Co., Ironton, O.
National Machinery Co., Tiffin, O.
Lewis Foundry & Machine Co., Farmers Bank Bldg., Pittsburgh, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Pels Henry & Co., Inc., 90 West, New York
See adv index at end of book
Rock River Machine Co., Janesville, Wis.
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book
United Engineering & Foundry Co. (For Rolling Mills), Farmers Bank bldg, Pittsburgh, Pa.

13454—Shears (Wire, Rod, Etc.)

Smith & Egge Mfg. Co. ("Eureka"), Bridgeport, Conn., & 62 Reade, New York
Torrington Mfg. Co., Torrington, Conn.

Shears & Punches (Combined)

See Punching & Shearing Machines, Combined; also Punch & Shear Combined, Hand Power

13455— Shears & Scissors

Acme Shear Co. ("Acme" Bankers, Barbers, Ladies, Pocket, Cigar Cutter, Buttonhole, Tailors, Trimmers, Manicure & Nail, Folding Grape Shears, Fruit Pickers; also "Americut" Forged Steel Scissors & Shears, etc), 82 Hicks, Bridgeport, Conn.
Atlas Shear Co. ("Alvord"), 230 North av, Bridgeport, Conn.
Berridge Shear Co. (High Grade Steel Laid), Sturgis, Mich.
Boker Cutlery & Hardware Co., Inc. ("Tree Brand" Imported), 101 Duane, New York
Case W. R. & Sons Cutlery Co., Bradford, Pa.
Cattaraugus Cutlery Co. ("Cattaraugus"), Little Valley, N. Y.
Clark Bros. Cutlery Co. ("Babcock" Patent Shears), Kansas City, Mo.
Clayton Mfg. Co. (Cast & Steel), Bristol, Conn.
Codding & Heilborn Co. (Silver Mounted), North Attleboro, Mass.
Compton W. H. Shear Co. ("Reliance"), 314 Camden, Newark, N. J.
Conway John J. Co., 50 Worth, Bridgeport, Conn.
Emrich Phil ("Emrich," Tailors' Shears, etc), 824 Main, Cincinnati, O.
Foster Theo. W. & Bro. Co. (Silver), 100 Richmond, Providence, R. I.
Geneva Cutlery Co. (Solid Steel Shears), Geneva, N. Y.
Graef & Schmidt ("Twin Brand" Imported), 107 Chambers, New York
Henkel Claus Co., Fremont, O.
Hollinger Cutlery Co. ("International Cutlery"), Fremont, O.
Imperial Machine Co. (Shears), 1611 Central av., Minneapolis, Minn.
Jackson Shear Co. (Shears Only), Fremont, O.
Kastor Adolph & Bros. ("W. H. Morley & Sons," Imported), 109 Duane, New York
Klass Max ("Crane"), 320 Broadway, New York
Koch, F. A. & Co., 524 B'way, New York
Landers, Frary & Clark ("Universal"), New Britain, Conn.
Lenox Shear Co., Brookfield, Conn.
Meriden Cutlery Co. (Game Only), Meriden, Conn.
Novelty Cutlery Co. (Folding Scissors), Canton, O.
Perfection Shear Co., Bridgeport, Conn.
Robeson Cutlery Co., Rochester, N. Y.
Spaulding D. S. (Silver Mounted), Mansfield, Mass.
Sperry & Alexander Co. ("Centaur"), 79 Chambers, New York
Ulery U. J. Co. ("Clauss"), 11 Warren, New York
Wallace R. & Sons' Mfg. Co. (Buttonhole, Embroidery, Folding, Ladies', Manicure, Pocket), Wallingford, Conn.
Wiebush & Hilger (Bent, Buttonhole, Embroidery, Pocket, etc, Imp. "Seymour," "Madison," "Hamilton"), 106 Lafayette, New York
Willsden S. Blake, Heyworth bldg, Chicago, Ill.
Winchester Repeating Arms Co. ("Winchester" Bankers, Barbers, Ladies, Embroidery, Buttonhole, Nail, Pocket, etc), 275 Winchester, New Haven, Conn.
Wiss J. Sons Co., 31 Littleton av, Newark, N. J.
Witte Alexis Cutlery Co., 36 Erasmus, Brooklyn, N. Y.

13456—Sheathing (Yellow Metal)

Church Appliance Mfg. Co. (Zinc), La Salle, Ill.
Taunton-New Bedford Copper Co., Taunton, Mass.

13457—Sheave or Pulley Filling (Rubber)

Goodrich B. F. Co., Akron, O.
New York Belting & Packing Co., 91 Chambers, New York
U. S. Rubber Co., 1790 Broadway, New York
See adv index at end of book

13457a— Sheave Plates

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

13458—Sheave Wheels & Frames

Allis-Chalmers Mfg. Co. (Sheaves, Rope Drives, Hoists, etc.), Milwaukee, Wis.
See adv index at end of book
Holmes, Robert & Bros. (All Cast Iron Sheave Wheels, Bicycle Type Sheave Wheels, Plain Turned Groove Bicycle Type Sheave Wheels, Steel Lined Groove), Danville, Ill.
Macwhyte Co. ("Macwhyte"), Kenosha, Wis.
Milholland J. & J. B. Co. (Rubber Lined), 714 5th av, Pittsburgh, Pa.
Sanford-Day Iron Wks., 612 Dale, Knoxville, Tenn.
Wood's T. B. Sons Co., Chambersburg, Pa.

13459— Sheaves (Chain)

POOLE ENGINEERING & MACHINE CO. (For Marine Railways), Woodberry Sta., Baltimore, Md.
See adv index at end of book

13460— Sheaves (Door)

Corbin Cabinet Lock Co. (Cast Brass Sliding Door Sheave & Rail), New Britain, Conn.
Harris & Reed (Ball Bearing), 1500 W 15th, Chicago, Ill.
Nicol & Co., 218 N Jefferson, Chicago, Ill.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.

13461—Sheaves (Guide, for Conveyor Belts)

Wolf Co., Chambersburg, Pa.

Sheaves (Pulley)

See Pulleys, Grooved

13462—Sheaves (Show Case)

Harris & Reed, 1500 W 15th, Chicago, Ill.
Johnston & Sharp Mfg. Co. (Ball Bearing), Ottumwa, Ia.
Weber-Knapp Co., Jamestown, N. Y.

13463— Sheaves (Shutter)

Corbin P. & F. ("Corbin"), Dept. H, New Britain, Conn.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.

13464—Sheaves (Tackle Block)

See also Blocks, Tackle

Channon Jas. H. Mfg. Co. (Grey Iron), 227 W Erie, Chicago, Ill.
Cincinnati Machy. Exchange, 324 E 2nd, Cincinnati, O.
Cleveland Block Co., 1173 W 11th, Cleveland, O.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Dubuar C. L. Lumber Co., Northville, Mich.
Fischer & Hayes Rope & Steel Co., 816 W Erie, Chicago, Ill.
See adv index at end of book
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Gillie Machine Co., Tonawanda, N. Y.
Laughlin Thos Co., 135 Fore, Portland, Me.
See adv index at end of book
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Pittsburgh Block & Mfg. Co., 818 South av, Pittsburgh, Pa.
Stephens-Adamson Mfg. Co. ("S,-A."), Aurora, Ill.
Stiles, H. A. & Co., 166-174 Portland, Boston Mass.
See adv index at end of book
Union Hardware Co., Torrington, Conn.
Western Block Co., Lockport, N. Y.
Wilcox Crittenden & Co. Inc., 444 So. Main, Middletown, Conn.
See adv index at end of book

13465—Sheaves (Wire & Manila Rope)

See also Machinery, Power Transmitting

American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept. H, 14th & State, Chicago Heights, Ill.
American Steel & Wire Co., 208 S La Salle, Chicago, Ill. *See adv index at end of book*
Bacon & Matheson Forge Co., 17H W Lander, Seattle, Wash.
Barnard & Leas Mfg. Co., Moline, Ill.
Bates Machine Co., Joliet, Ill.
Bellwood Mfg. Co. (Rope), Bellwood, Pa.
Boston Self-Locking Block Co., Waltham, Mass.
Brown A. & F. Co., 79 Barclay, New York.
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago
Caldwell W. E. Co., Louisville, Ky.
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Cherry Tree Machine Co. (Rope), Cherry Tree, Pa.
Clyde Iron Works Sales Co. (Wire Rope Only & Self-Oiling), Duluth, Minn.
See adv index at end of book
Crawford & McCrimmon Co. (Wrought Cast Iron Iron Spoke, Rope Sheaves Only), Brazil, Ind.
Cresson-Morris Co., Allegheny & 18th, Phila., Pa.
DOBBIE FOUNDRY & MACHINE CO., Niagara Falls, N. Y.
See adv index at end of book
Dodge Mfg. Corp., Mishawaka, Ind.
Falls Clutch & Machinery Co., Cuyahoga Falls, O.
Fischer & Hayes Rope & Steel Co., 816 W Erie, Chicago, Ill.
Garland M. Co., Bay City, Mich.
Golden's Foundry & Machine Co., Columbus, Ga.
Great Western Mfg. Co., Leavenworth, Kan.
Gustafson Mfg. Co., Chattanooga, Tenn.
Hardie-Tynes Mfg. Co., Birmingham, Ala.
Helmick Foundry & Machine Co. (Chilled Curve Wire Rope Only), Fairmont, W. Va.
Hill Clutch Machine & Foundry Co., W 65th, Cleveland, O.
Horton John F. (Wire Rope), 242 Bradhurst, New York
Indiana Foundry Co., Dept. H, Indiana, Pa.
Insley Mfg. Co. (12 & 14 inch Wire Only), 3500 E St. Clair, Indianapolis, Ind.
JONES W. A. FOUNDRY & MACHINE CO., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book
Lake Shore Engine Works (Bicycle Type, for Head Sheaves, Idlers, etc, up to 12 ft), Marquette, Mich.
Laughlin Thos. Co., 125 Fore, Portland, Me. *See adv index at end of book*
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Macwhyte Co. ("Macwhyte"), Kenosha, Wis.
Marion Mach. Fdry & Supply Co., Marion, Ind.
Medart Company, The, 3500 DeKalb, St. Louis, Mo.
See adv index at end of book
Merriman Bros. (Roller & Self-Lubricating, 185 Amory, Boston, Mass.
Nice Ball Bearing Co., 30th & Nicetown av, Nicetown, Philadelphia, Pa.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Ottumwa Iron Works (For Mines, etc), Ottumwa, Ia.
Pyott Co., 1401 W North av, Chicago, Ill.
Pyott Foundry Co., 330 N Sangamon, Chicago, Ill.
See adv index at end of book
ROEBLING'S JOHN A. SONS CO. (Wire Rope), Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book
Sanford-Day Iron Works, 612 Dale, Knoxville, Tenn.
Stephens-Adamson Mfg. Co., Aurora, Ill.
Stine J. C. Co. (Gravity Plane), Tyrone, Pa.
Stine S. B. Osceola Mills, Pa.
Terry & Tench Co., Grand Central Terminal, New York
Upson-Walton (The), 1100 W 11th, Cleveland, O.
Vulcan Iron Works, Wilkes-Barre, Pa.
Walker Mfg. Co., 2156 15th, Denver, Colo.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, Ohio
Western Block Co., Lockport, N. Y.
Wolf Co., Chambersburg, Pa.
Wood's T. B. Sons Co. (Manila Rope), Chambersburg, Pa.

13466—Sheaves with Graphite Bronze or Metaline Bronze

Byers Machine Co. The, 242 Sycamore, Ravenna, O. *See adv index at end of book*
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Western Block Co., Lockport, N. Y.

13467—Sheet Iron (Cold Rolled)

LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, Ohio
See adv index at end of book
Reeves Mfg. Co., Dover, O.
Youngstown Sheet & Tube Co. ("Youngstown"), Youngstown, O.

13467a— Sheet Iron Work

Baldwin Brass Works, 407 S Clinton, Chicago, Ill.
GERDES & CO., INC., 42 Church, New York
See adv index at end of book
Graves & Marshall Co., Dayton, O.
Joubert & Goslin Machine & Foundry Co., Birmingham, Ala.
Muncie Boiler & Sheet Iron Works (Special), Muncie, Ind.

13468—Sheet Metal Borders & Friezes

Dowman-Dozier Mfg. Co., Atlanta, Ga.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
Frand M. J. & Co., Camden, N. J.
Friedley-Voshardt Co., 733 S Halsted, Chicago, Ill.
Hergert Theo. E., 422 E 53rd, New York
Kelly Wm. J., 446 Adelphi, Brooklyn, N. Y.
Manrow Sheet Metal Works, Goshen, Ind.
Miller & Doing, 60 York, Brooklyn, N. Y.
Milwaukee Corrugating Co., Milwaukee, Wis.
Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, Ohio
See adv index at end of book
Scott Roofing & Mfg. Co., 408 Culvert, Cincinnati, O.
Thoresen Wm., 1916 W North av, Chicago, Ill.

13469—Sheet Metal Goods Mfrs.

See also Stamping, Sheet Metal

Apollo Products Co. (Tin & Zinc Plated, Brass, Copper & Nickel Tin Plate Oxidized), La Salle, Ill.
Baldwin C. S. Mfg. Co., Cherry, Milford, Conn.
Beehler Steel Products Co., 1449 W 13th, St. Louis, Mo. *See adv index at end of book*
Bossert Corporation, The, cor Linden & West av, Utica, N. Y.
Boston Pressed Metal Co., 170 Union, Worcester, Mass.
Carpenter L. A. Press Metal Co., Cambridge, Mass.
Dowman-Dozier Mfg. Co., Atlanta, Ga.
Duluth Corrugating & Roofing Co., Dept. H, Duluth Minn
EDWARDS MFG. CO. (To Order), 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
Gilbert Walter B. & Co., York, Pa.
Gerken J. D Co., Toledo, Ohio
Gordon-Lawless Co., Omaha, Neb.
Jenkinson R. C. & Co., 293 Washington, (By Automatic Machines), Newark, N. J.
Joliet Wrought Washer Co., 2001 Collins, Joliet, Ill.
Kirk & Blum Mfg. Co. (Parts, etc), 2850 Spring Grove av, Cincinnati, O.
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Litterer Bros. Mfg. Co., 736 N Fullerton, Chicago, Ill.
Livermore Homer F., Inc., 85 Pearl, Boston, Mass.
Ludlow-Mfg. Co. (for Railroads), Ludlow, Ky.
Manrow Sheet Metal Works, Goshen, Ind.
Metal Products Corp., 49 Chestnut, Weehawken, N. J.
Milwaukee Stamping Co., W. Allis, Milwaukee, Wis.
See adv index at end of book
Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, Ohio
See adv index at end of book
National Enameling & Stamping Co., 411 5th av, New York
Ohio Metal Products Co., Dayton, Ohio
Ohio Metal & Mfg. Co., Dayton, Ohio
Robertson Bros. Mfg. Co., 5401 S Western av, Chicago, Ill.
Schoedinger F. O., 346 Mt. Vernon av., Columbus, O.
Special Machinery Co., 38 Remer, Bridgeport, Conn.
Turner Hardware & Implement Co. (Light), Modesto, Cal.
Union Tank & Pipe Co., 2801 Santa Fe av, Los Angeles, Cal.
Vulcan Sheet Metal & Mfg. Co. (Exhaust Pipes, Smoke Flues, Special Boxes), 45 Fulton, New York
WATERBURY BUTTON CORP., 881 S Main, Waterbury, Conn.
See adv index at end of book
Woolwine Metal Products Co. ("Bear"), 8th & Santa Fe av, Los Angeles, Cal.
York Heating & Ventilating Corp., Dept. H, Bridgeport, Pa.
Zeigler Mfg. Co., Alexandria, Ind.

13470—Sheet Metal Statuary

Frand M. J. & Co., Camden, N. J.
Friedley-Voshardt Co., 733 S Halsted, Chicago, Ill.
Hergert Theo. E., 422 E 53d, New York
Miller & Doing, 60 York, Brooklyn, N. Y.
Mobile Steel Co., Mobile, Ala.
O.
Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, Ohio
See adv index at end of book
Porter Iron Roofing & Corrugating Co., 522 Culvert, Cincinnati, O.
Woolwine Metal Products Co. ("Bear Brand," 8th & Santa Fe av, Los Angeles, Cal.
Mullins Body Corp., 341 Franklin, Salem,

13471— Sheet Metal Work

(Names with * also manufacture Monel Metal)

ACTIVE SPINNING & SHEET METAL WORKS, 15-17 W Kinzie, Chicago, Ill.
Ahl Frank Z. Sheet Metal Works, Sacramento, Cal.
*Aldrich Mfg. Co., Inc., 55 Illinois, Buffalo, N. Y.
Allen Engineering & Mfg. Co., Savannah, Ga.
Anderson Visible Pump & Tank Co., Savannah, Ga.
*Apollo Metal Works, La Salle, Ill.
Atlas Heating & Ventilating Co., 72 Freelon, San Fransisco, Cal.
*Badger & Sons Co., E. B., Boston, Mass.
Barker Rose & Clinton Co., Dept. H, Elmira, N. Y.
*Beckley Perforating Co., Garwood, N. J.
*Behringer E. Sheet Metal Works, Inc., Newark, N. J.
Berger L. D. Co., 59 N 2nd, Phila., Pa.
*Berla Elias, 232 Mulberry, Newark, N. J.
Bethlehem Shipbuilding Corp., Ltd., Dept. H, Broadhead & Parker av, Bethlehem Pa.
Bingham J. F. Mfg. Co., Lawrence, Mass.
Bittermann F. J. Co., 1401 E Cass, Joliet, Ill.
Blair Thos. P. Sheet Metal Co., San Diego, Cal.
*Blickman Sol., Nelson av, Long Island City, N. Y.
*Bluemle Co., R. H., 436 S Broadway, San Francisco, Cal.
Bossert Corporation, The, cor. Linden & West av, Utica, N. Y.
*Bourlier Sheet Metal Works, 912-914 South 8th, Louisville, Ky.
Breese Bros. Co., The, 2347 Reading rd, Cincinnati, O.
See adv index at end of book

The Breese Bros. Company
SHEET METAL WORK
Sheet Metal Work of Every Description
Send Specifications Write for Prices
Capacity, 3/16 ga. and lighter
Good Work, Prompt Deliveries
2347 Reading Rd., Cincinnati, Ohio

Burt Mfg. Co. (All Kinds), 40 Main, Akron, Ohio
See adv index at end of book
Call John A., 122H N Franklin, Phila., Pa.
*Carroll & Co., J. E., 279 Dutton, Lowell, Mass.

(Continued on following page)

Sheet Metal Work—Continued

*Central Stamping Co., Newark, N. J.
Chicago Metal Mfg. Co., 313 S. Clinton, Chicago, Ill.
*City Cornice Co., Oakland, Calif.
Consolidated Sheet Metal Works, 661 Hubbard, Milwaukee, Wis.
Cooper & Aab, 116 Plymouth, Rochester, N. Y.
Corry-Jamestown Mfg. Co. (Specialties), Corry, Pa.
*Dalton John J., 18 Jacob, New York
*Davidson Mfg. Co., Ltd., Thos., 187 Delisle, Montreal, Canada
Decker John & Son, 2704 Girard av, Phila., Pa.
De Lano Bros., 70 Spear, San Francisco, Cal.
*Diamond Mfg. Co., Wyoming, Pa.
*Doering & Sons Co., Chas., 1375 W Lake, Chicago, Ill.
Dutwiler Mfg. Co., 2437 E 23rd, Los Angeles, Cal.
*Edward Mfg. Co., Cincinnati, Ohio
*Emerson & Sack, 77 Haverhill, Boston, Mass.
*Emery A. H., Glenbrook, Conn.
*Everitt Co., 275 Franklin, Boston 9, Mass.
*Falstrom Co., Passaic, N. J.
*Farber Sheet Metal & Roofing Co., Pawtucket, R. I.
Farwell Cornice Co. (For Buildings), 3955 Southport, Chicago, Ill.
Ferry Sheet Metal Works, 980 Folsom, San Francisco, Cal.
Fischer Chas. Spring Co., 240 Kent av, Brooklyn, N. Y.
Fischer Wm. G. Stove & Range Co., 326 McFarland, Cincinnati, O.
Flesch & Schmitt, Inc., Brown, Rochester, N. Y.
Franche C. E. & Co., 440 Orleans, Chicago, Ill.
*Furman Engineering Corp., 30 Church, New York
General Metal Products Co., 2400H S Jefferson, St. Louis, Mo.
General Sheet Metal Wks., 120 Silliman av, Bridgeport, Conn.
GERDES & CO., INC., 42 Church, New York
See adv index at end of book
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Gibbes Machy. Co., Columbia, S. C.
Gilbert Walter B. & Co., York, Pa.
*Giles Dyeing Machinery Co., N Philadelphia, Pa.
*Glaser Gustav, Inc., 53 Greene, New York
*Gosule Handel Co., Boston, Mass.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
*Greenpoint Brass & Bronze Co., 604 Lexington av, Brooklyn, N. Y.
*Gustafson & Schwartz, 39 Haverhill, Boston, Mass.
Haas, J. J. Mfg. Co., St. Paul, Minn.
*Hendrick Mfg. Co., Carbondale, Mass.
Holan Metal Products Co. The (Industrial), W 40th & Clark av, Cleveland, O.
Holzer R. G. (Est. of) (Architectural & Ornamental), New Orleans, La.
Hotchkiss Steel Products Co., Inc. (Heavy), Binghamton, N. Y.
*Hover Co., Fred, 843 W Lake, Chicago, Ill.
*Hub Sheet Iron Co., Boston, Mass.
*Ils Co., John G., 839 Mission, San Francisco, Calif.
International Heater Co. (Punched, Rolled & Formed), 21H Park av., Utica, N. Y.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Johnson & Jennings Co., Cleveland, O.
*Kaine, Peterson & Heinle Co., Cleveland, O.
KELKER BLOWER CO., INC., 2383 Fillmore av, Buffalo, N. Y.
See adv index at end of book

KELKER BLOWER CO.
INCORPORATED
General
Sheet Metal Workers
METAL SPINNING
OF ALL KINDS
WELDING STEEL
Iron, Copper, Brass, Aluminum
LIGHT AND HEAVY
SHEET METAL WORK
DUST COLLECTING AND EXHAUST
SYSTEMS INSTALLED
TANKS of All Descriptions
2383 Fillmore Ave. Buffalo, N. Y.

*Kiechler Mfg. Co., Cincinnati, O.
*Kirsten O., 51 Tehama, San Francisco, Calif.
Kornbrodt Kornice Kompany, 1811 Troast av., Kansas City, Mo.
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
La Haye Mfg. Co. (Artistic), 1516 Folsom San Francisco, Cal.
*Larson Tool & Stamping Co., Attleboro, Mass.
*Liberty Coppersmithing Co., N Howard, Philadelphia, Pa.
*Littleford Bros. Co., Cincinnati, O.
Lookout Boiler Mfg. Co., Chattanooga, Tenn.
Lupton's David Sons Co., Allegheny av & Tulip, Phila., Pa.
See adv at Shelving Steel
McFarland J. C. Co., 522 W 36th, Chicago, Ill.
Mahon R. C. Co., St. Aubin & E Grd blvd, Detroit, Mich.
*Manchester J. B., Providence, R. I.
Manrow Sheet Metal Works, Goshen, Ind.
Martin Iron Wks., 1222 E 28th, Los Angeles, Cal.
Milwaukee Stamping Co., W. Allis, Milwaukee, Wis.
Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, Ohio
See adv index at end of book
*Morgan Bros., 7225 Tioga, Pittsburgh, Pa.
*National Copper & Steel Tank Works, 455 N Artesian av, Chicago, Ill.
NATIONAL SHEET METAL ROOFING CO., 339 Grand, Jersey City, N. J.
See adv index at end of book
National Tank & Mfg. Co., 11th & Santa Fe av, Los Angeles, Cal.
*New York Stamping Co., 53 Greene, Brooklyn, N. Y.
Northern Blower Co. (The), Denison & W 65th, Cleveland, O.
See adv index at end of book
O. K. Harry Steel Co., 2333 Papin, St. Louis, Mo.
O'Toole Bros Co., 318 High, Clinton, Mass.
Park W. R. & Son, 19 Court, Taunton, Mass.
Pa. Pressed Steel Corp., Wayne Jct., Phila, Pa.
Pelican Sheet Metal Wks., Lake Charles, La.
Peterson Bros., 150 Stuart, San Francisco, Cal.
Phoenix Spec. Mfg. Co., 48 Duane, New York
Piper J. A. Roofing Co., Greenville, S. C.
Prospect Boiler Co., New Brunswick, N. J.
*Rasner & Dinger Co., Pittsburgh, Pa.
*Ray Mfg. Co. Geo. A., Buffalo, N. Y.
*Regal Kitchen, Ltd., 85 Park av, Montreal, Que., Can.
*Riddell & Son, Ltd., John E., Hamilton, Canada
*Robertson Peter, Boston, Mass.
*Saron J., 1655 42nd, Brooklyn, N. Y.
*Schaefer Co., Emil, 1320 N 5th, Phila., Pa.
*Sholes, Inc., 186 Lafayette, New York
*Sievering Philip, 199 Lafayette, New York
Skinner Thomas Co., 127 Main S P, Portland, Me.
Smith A. L. Iron Wks., Chelsea, Mass.
*Smith & Burrows Co., Parkersburg, W. Va.
*Smith, Drum & Co., Philadelphia, Pa.
Smith of New York Co., 1 Franklin sq., New York
SPROUT, WALDRON & CO., Muncy, Pa.
See adv index at end of book
St. Louis Tin & Sheet Metal Working Co., 217 S 6th, St. Louis, Mo.
*Standard Furnace & Range Co., Louisville, Ky.
Standard Sheet Metal Works, Washington, Pa.
*Standard Plating Works, 288 1st, San Francisco, Cal.
*Star Plate Co., 16 Steuben, Brooklyn, N. Y.
*Steel Products Mfg. Co., Cicero, Ill.
Stolz Jos. & Son, Inc., Commerce av & W. 170th, New York
Taylor F. W. & Son, 259H S 4th, Phila., Pa.
Vroman-Cook Co. Inc., 17-23 W. 28th, Minneapolis, Minn.
*Vogel & Bros., Wm., 37 S 9th, Brooklyn, N. Y.
*Wahmann Mfg. Co., Geo. H., Baltimore, Md.
*Watson Co., The, Attleboro, Mass.
WEBER BROS. METAL WORKS, 122 N Jefferson, Chicago, Ill.
See adv index at end of book
*Wilder & Co., H. H., Lowell, Mass.
*Zimmerman Sheet Metal Works, San Francisco, Calif.

13472—*Sheet Metal & Strip Stock Straighteners & Cutters (Automatic)

Kane & Roach, Syracuse, N. Y.
SHUSTER F. B. CO., Cedar Hills, New Haven, Conn. *See adv index at end of book*

13473—Sheet Metals (Plated)

American Nickeloid Co. (Nickelzinc, Nickeltin, Brasszinc, etc), Peru, Ill.
APOLLO PRODUCTS CO. ("Apollo-Nickel Zink," Brass Zink, Copper Zink, Polished, etc)
Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, Ohio
See adv index at end of book
National Sheet Metal Co. (Nickel, Brass, Copper & Bronze, Tin & Zinc), Peru, Ill.

13474— Sheet (Platinum)

See also Platinum
WILSON H. A. CO., 99 Chestnut, Newark, N. J.

13475—*Sheeting ("Pyralin")

DU PONT E. I. DE NEMOURS & CO. INC., Pyralin Div. (Colored & Colorless, Transparent, Tortoise Shell, Bronze, Grain Ivory, Pearl, White, Black & All Other Colors. See Adv at Celluloid), Arlington, N. J.
See adv index at end of book

13476— Sheeting (Rubber)

Archer Rubber Co. ("Royal Archer"), Milford, Mass.
Athol Mfg. Co., Athol, Mass.
Boston Woven Hose & Rubber Co., Cambridge, Mass.
Davol Rubber Co., 69 Point, Providence, R. I.
Goodrich B. F. Co., Akron, O.
Hodgman Rubber Co., 25 W 43rd, New York
Kleinert I. B. Rubber Co. (Waterproof), 485 5th av, New York
Mystic Rubber Corp., West Medford, Mass.
National India Rubber Co., Bristol, R. I.
Parker, Stearns & Co. (Hospital, Nursery, etc), 286 Sheffield av, Brooklyn, N. Y.
Plymouth Rubber Co., Canton, Mass.
Rosenwald & Weil ("Imperial"), 3815 Armitage av, Chicago, Ill.
Solvas Co., 4216 Calumet av, Chicago, Ill.
Stern Specialty Co. ("Utility"), 40 E 22d, New York
Tyer Rubber Co. (Hospital, Nursery, etc), Andover, Mass.

13477— Sheetings (Cotton)

Abbeville Cotton Mill (36 & 40 inch, Brown), Abbeville, S. C.
Acushnet Mills Corp. (Bleached & Brown), New Bedford, Mass.
Aiken Mills (Wide & Narrow), Bath, S. C.
Alabama Cotton Mills (3.50 yds., 36 inch), Speigner, Ala.
Alice Coton Mills (Convertible 40-Inch), Easly, S. C.
American Spinning Co., Greenville, S. C.
Anderson Cotton Mills (Narrow Brown), Anderson, S. C.
Androscoggin Mills, Lewiston, Me.
Anniston Mfg. Co. (32, 36 & 40 inch, Brown), Anniston, Ala.
Aragon Mills (5-4 to 12-4), Aragon, Ga.
Arcadia Mills (40 inch, Convertible), Spartanburg, S. C.
Arista Mills Co. (Narrow), Winston-Salem, N. C.
Arkwright Mills (Wide & Narrow), Fall River, Mass.
Ashcraft Cotton Mills (Wide & Narrow Brown), Florence, Ala.
Ashland Co. (Wide Light), Ashland, R. I.
Atlas Mfg. Co., Bessemer City, N. C.
Augusta Factory (27 to 40 inch), Augusta, Ga.
Aurora Cotton Mills Co. (Fine Brown Sheetings in All Widths), Aurora, Ill.
Avon Mills (Narrow), Gastonia, N. C.
Avondale Mills, Birmingham, Ala.
Beaumont Mfg. Co. (Convertible), Spartanburg, S. C.
Belton Mills (Brown), Belton, S. C.
Bonham Cotton Mills (Wide & Narrow Light), Bonham, Tex.
Boott Mills, Lowell, Mass.
Brandon Mills (36 & 40 inch), Greenville, S. C.
Brazos Valley Cotton Mills (Wide & Narrow), West, Tex.
Buck Creek Cotton Mills, Siluria, Ala.
Burkart F. Mfg. Co., 4900 N 2nd, St. Louis, Mo.
Cabarrus Cotton Mills, Concord, N. C.
Cabot Mfg. Co. (Narrow), 77 Franklin, Boston, Mass.
Calhoun Mills (68 x 72 Pick, 39 inch, 4.75 yds to lb & 72 x 76 Pick, 39 inch, 4.25 yds to lb), Calhoun Falls, S. C.
Cannon Mfg. Co., Concord, N. C.
Casper J. Burlap Bag Mfg. Co., Fitzgerald, Ga.
Central Mills Co. (36 to 52 inch), Southbridge, Mass.
Chadwick-Hoskins Co. (Wide & Narrow), Charlotte, N. C.
Chesnee Mills, Chesnee S. C.
Chicopee Mfg. Corp., Chicopee Falls, Mass.
Chiquola Mfg. Co. (30 & 40 inch, Convertible), Honeapath, S. C.
Clifton Mfg. Co. (28, 30, 36 & 40 inch), Clifton, S. C.
Columbia Cotton Mill Co. (3½ & 4 yds to lb), Columbia, Tenn.
Columbia Mfg. Co. (4-4, 46 inch, Brown), Ramseur, N. C.
Columbus Mfg. Co. (Brown, 4 yds to lb), Columbus, Ga.
Conanicut Mills (Wide), Fall River, Mass.
Conastee Mills (Narrow), Greenville, S. C.
Consolidated Textile Corp., 88 Worth, New York
Continental Mills (36, 40, 42 & 45 inch Brown), Lewiston, Me.
Converse D. E. Co., Glendale, S. C.
Corsicana Cotton Mills, Corsicana, Tex.
Courtenay Mfg. Co. (40 inch, Convertible), Newry, S. C.
Cowpens Mfg. Co. (36 & 40 inch, Brown), Cowpens, S. C.

Dallas Mfg. Co. (36 to 108 inch, Brown & Bleached), Huntsville, Ala.
Davol Mills (Fine), Fall River, Mass.
Denison Cotton Mill Co. (Wide & Narrow), Denison, Tex.
Dilling Cotton Mills (38½ & 39 inch, Brown), Kings Mountain, N. C.
Dixie Cotton Mills (40 & 50 inch), La Grange, Ga.
Dunson Mills (Wide & Narrow), La Grange, Ga.
Durfee Mills (30, 36, 40 & 44 inch), Fall River, Mass.
Dwight Mfg. Co. (30, 36 & 40 inch), Exchange bldg, Boston, Mass.
Eagle Cotton Mills Co. (36 & 40 inch, Brown), Madison, Ind.
Easley Cotton Mills (Export), Easley, S. C.
Eastman Cotton Mills (Brown, 40 inch Wide, 40 to 48, 2.85 yds to lb), Eastman, Ga.
Echota Cotton Mills (3.60 yds. 60x56, 40 & 44 inch), Calhoun, Ga.
Edna Cotton Mills (40 & 46 inch), Reidsville, N. C.
Edwards Mfg. Co. (Wide & Narrow, Light), Augusta, Me.
Ella Mfg. Co. (38½ inch, 64 x 60 Pick, 5.35 yds to lb), Shelby, N. C.
Enoree Mills (Wide & Narrow), Greenville, S. C.
Enterprise Mfg. Co. (Wide & Narrow, Brown), Augusta, Ga.
Erwin Cotton Mills Co. (Wide), West Durham, N. C.
Eureka Cotton Mills (Wide), Lancaster, S. C.
Exeter Mfg. Co. (40 inch), Exeter, N. H.
Exposition Cotton Mills, Atlanta, Ga.
Farwell Mills, Lisbon, Me.
Fitzgerald Cotton Mills, Fitzgerald, Ga.
Flint River Cotton Mills (38 1-2 inch, 64x60, 3.35 yds), Albany, Ga.
Florence Mills, Forest City, N. C.
Franklin Mills (4 & 5 yds to lb), Greenville, S. C.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Gaffney Mfg. Co. (Wide & Narrow), Gaffney, S. C.
Gaston Mfg. Co. (39 inch, Fine), Cherryville, N. C.
Gastonia Cotton Mfg. Co. (Fine Brown), Gastonia, N. C.
Gaudalupe Valley Cotton Mills (36 & 40 inch), Cuero, Tex.
Golden Belt Mfg. Co., Durham, N. C.
Gonzales Cotton Mill Co. (36 inch), Gonzales, Tex.
Great Falls Mfg. Co., Somersworth, N. H.
Greenwood Cotton Mills (Fine, 40 inch) Greenwood, S. C.
Grendel Mills (Wide), Greenwood, S. C.
Griswoldville Mfg. Co., Griswoldville, Mass.
Grosvenor Dale Co., Grosvenor bldg, Providence, R. I.
Hamilton Mfg. Co. (Narrow), Lowell, Mass.
Hamrick Mills (38½ inch, 64 x 60 Pick, 5.35 yds to lb), Gaffney, S. C.
Harmony Grove Mills (60 inch, Brown), Commerce, Ga.
Harmony Mills, Cohoes, N. Y.
Hartwell Mills (36 & 40 inch, Fine), Hartwell, Ga.
Henrietta Mills (2.85 to 6 yds to lb, 64 to 84 Pick, 30 to 40 inch), Caroleen, N. C.
Hermitage Cotton Mills, Camden, S. C.
Hettrick Mfg. Co., Toledo, O.
High Shoals Mfg. Co. (Wide & Narrow), High Shoals, Ga.
Hill Mfg. Co. (40 & 48 inch), Lewiston, Me.
Home Cotton Mills (All Consumed by Co.), 2d & Barton, St. Louis, Mo.
Hope Co. (36 inch Bleached), Hope, R. I.
Humbolt Cotton Mills (Wide & Narrow), Humbolt, Tenn.
Imperial Cotton Mills, Eatonton, Ga.
Indian Head Mills of Ala. (36 & 40 inch), Cordova, Ala.
Inman Mills (Wide, 72 x 76 Pick, 4.25 yds. to lb.), Inman, S. C.
Inverness Mills Co., Winston-Salem, N. C.
Itasca Cotton Mfg. Co. (36 inch), Itasca, Tex.
Jackson Mills (36 inch, 3, 4 & 4½ yds. to lb.), Iva, S. C.
Kesler Mfg. Co. (Wide), Salisbury, N. C.
King John P. Mfg. Co. (Standard & Fine), Augusta, Ga.
Knight B. B. & R. Inc. ("Fruit of the Loom," "Hero," "Chapman X," "Cameo," "Milo," "Fern Muslin," "Landseer's Best," "Lily of the Valley," "Pontiac"), 813 Hospital Trust bldg, Providence, R. I.
Lafayette Cotton Mills, Lafayette, Ga.
Lancaster Cotton Mills (40 inch), Lancaster, S. C.
Lanett Cotton Mills (Wide), West Point, Ga.
Laurel Mills (Narrow), Laurel, Miss.
Lexington Mfg. Co., Lexington, S. C.
Limestone Mills (39 inch, 68 x 72 Pick, 4.75 yds. to lb.), Gaffney, S. C.
Little Androscoggin Water Power Co., Auburn, Me.
Lockwood Co. (36 to 108 inch), Waterville, Me.
Lonsdale Co. (Fine Bleached), 50 So. Main, Providence, R. I.
Loray Mills (Coarse, Heavy), Gastonia, N. C.
Lydia Cotton Mills, Clinton, S. C.
Lyman Mills, Holyoke, Mass.
Lynchburg Cotton Mills (Wide & Narrow), Lynchburg, Va.
Magnolia Cotton Mills Co. (Up to 40 inch), Magnolia, Miss.
Manchester Cotton Mills (Wide), La Grange, Ga.
Mandeville Mills (39 inch, 68 x 72, 4¾ yds.), Carrollton, Ga.
Martinsville Cotton Mills Co. (39 inch, 72 x 76 Pick, 4.25 yds. to lb.), Martinsville, Va.
Mary Leila Cotton Mills, Dept. H., Greensboro, N. C.
Miller Mfg. Co. (Narrow), Taylorsville, N. C.
Millville Mfg. Co., 514 Walnut, Phila., Pa.
Modena Cotton Mills (40 inch), Gastonia, N. C.
Mollohon Mfg. Co. (Wide), Newberry, S. C.
Monadnock Mills (Wide & Narrow), Claremont, N. H.
Monarch Mills, Union, S. C.
Monroe Cotton Mills (36 & 40 inch, 60 x 56, 4 yds. to lb. & 48 x 52, 4.50 yds. to lb.), Monroe, Ga.
Montala Mfg. Co. (36 & 40 inch), Montgomery, Ala.
Monticello Cotton Mills (Wide & Narrow), Monticello, Ark.
Mooresville Cotton Mills, Mooresville, N. C.
Moultrie Cotton Mills (Wide & Narrow, 3½ to 6 yds. to lb.), Moultrie, Ga.
Nashua Mfg. Co., Nashua, N.H.
Naumkeag Steam Cotton Co. (Wide), Salem, Mass.
Newberry Cotton Mills (30 & 40 inch, Brown), Newberry, S. C.
Newmarket Mfg. Co., Newmarket, N. H.
Nightingale-Morse Mills (Wide), Putnam, Conn.
Ninety-Six Cotton Mill (36 & 40 inch, Convertible), Ninety-Six, S. C.
Norris Cotton Mills Co. (68 x 72 Pick, 39 inch, 4.75 yds. to lb.), Cateechee, S. C.
Nottingham Mill (40 inch), 314 Dyer, Providence, R. I.
Oconee Mills Co. (30 & 37 inch), Westminster, S. C.
Orr Cotton Mills (30, 36 & 40 inch), Anderson, S. C.
Osage Mfg. Co. (38 inch, 64 x 50, 5.35 yds. to lb.), Bessemer City, N. C.
Pacific Mills, Lawrence, Mass.
Pacolet Mfg. Co. (36 inch, 48 x 48 Standard Brown), Spartanburg, S. C.
Patterson Mfg. Co. (36 to 52 inch, Brown), China Grove, N. C.
Pearl Cotton Mills (Wide), East Durham, N. C.
Pelzer Mfg. Co. (Brown), Pelzer, S. C.
Pepperell Mfg. Co., Biddeford, Me.
Pickens Mills (56x60 Pick, 4 yds. to lb., Convertible), Pickens, S. C.
Piedmont Mfg. Co. (30 to 40 inch), Piedmont, S. C.
Pocasset Mfg. Co., Fall River, Mass.
Poe F. W. Mfg. Co. (40 inch, Convertible), Greenville, S. C.
Poulan Cotton Mills (40 inch, 4 yds. to lb.), Poulan, Ga.
Putnam Mfg. Co., Putnam, Conn.
Quidnick-Windham Mfg. Co., Willimantic, Conn.
Quinebaug Co. (36 to 40 inch), Danielson, Conn.
Randolph Mfg. Co., Franklinville, N. C.
Rhodhiss Mills Co. (Wide & Narrow), Rhodhiss, N. C.
Riverside & Dan River Cotton Mills (Wide, Bleached & Brown), Danville, Va.
Roswell Mfg. Co. (Wide & Narrow), Roswell, Ga.
Royall Cotton Mills (28½ inch), Wake Forest, N. C.
Sanford Cotton Mills (36 inch, 4 yds. to lb.), Sanford, N. C.
Santee Mills (36 inch Brown), Orangeburg, S. C.
Saunders Cotton Mills (40 inch), Saundersville, Mass.
Scottdale Mills (36 & 40 inch, Brown), Scottdale, Ga.
Seminole Mills (Wide), Clearwater, S. C.
Seneca Cotton & Warehouse Co. (39 inch, 72 x 76 Pick, 4.25 yds. to lb.), Seneca, S. C.
Shelby Cotton Mills (38½ inch, 64 x 56 Pick, 5½ yds. to lb.), Shelby, N. C.
Sibley Mfg. Co. (Wide & Narrow, Brown), Augusta, Ga.
Smith J. E. Cotton Mfg. Co. (Wide & Narrow), Thomson, Ga.
Spartan Mills (Wide & Narrow), Spartanburg, S. C.
Stark Mills, Manchester, N. H.
Strickland Cotton Mills (Wide, 4 & 6 yds. to lb.), Valdosta, Ga.
Sylvan Cotton Mills (36 & 40 inch), Shelbyville, Tenn.
Thomaston Cotton Mills (Wide & Narrow, 4 & 4½ yds. to lb.), Thomaston, Ga.
Tipton Cotton Mills (38½ inch, 64 x 60 Pick, 5.35 yds. to lb.), Covington, Tenn.
Toccoa Cotton Mills (36 inch, 44 & 36, 4.50 yds. to lb. & 40 inch, 44 x 40, 4.25 yds. to lb.), Toccoa, Ga.
Tombigbee Cotton Mills (Wide & Narrow), Columbus, Miss.
Tremont & Suffolk Mills, Lowell, Mass.
Trion Co. (7-8 & 4-4 Brown & Fine Sheetings), Trion, Ga.
Tuscaloosa Mills, Tuscaloosa, Ala.
Union Buffalo Mills Co. (Wide & Narrow), Union, S. C.
Union Cotton Mills (36 inch, 4 to 4.50 yds. to lb. & 40 inch, 3.60 yds. to lb.), Lafayette, Ga.
Utica Steam & Mohawk Valley Cotton Mills, Utica, N. Y.
Utica Willowvale Bleaching Co. (Up to 108 inches Wide), Chadwicks, N. Y.
Uxbridge Cotton Mills (40 inch), North Uxbridge, Mass.
Victor-Monoghan Mills (40 & 60 inch for Oil & Shade Cloth, etc), Greenville, S. C.
Virginia Consolidated Milling Co. (Wide & Narrow), Petersburg, Va.
Walton Cotton Mill Co. (36 & 40 inch, Heavy), Monroe, Ga.
Wamsutta Mills, New Bedford, Mass.
Ware Shoals Mfg. Co., Ware Shoals, S. C.
Warren Mfg. Co., Warren, R. I.
Washington Mills Co. (Wide & Narrow), Mayodan, N. C.
Watts Mills (Narrow, Medium & Wide), Laurens, S. C.
Wennonah Cotton Mills (30 to 40 inch), Lexington, N. C.
Whitney Mfg. Co. (36 & 40 inch), Whitney, S. C.
Winona Cotton Mills, Winona, Miss.

Sheets (Aluminum)

See Aluminum Sheets & Rods

13478—Sheets (Blue Annealed)

LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book

J. K. LARKIN & CO.
253 Broadway
NEW YORK

13479— Sheets (Brass & Copper)

See also Copper & Brass Sheet

AMERICAN BRASS CO., Waterbury, Conn.
See adv index at end of book

Apollo Products Co. (Also Bronze, Plated & Polished, Nickeled & Rolled), La Salle, Ill.
Benson Rolling Mills (Inc.), Glen Ridge, N. J.
Bridgeport Brass Co., Dept. H, Bridgeport, Conn.
Conklin T. E. Brass & Copper Co., 54-60 Lafayette, New York
See adv index at end of book

Sheets—Brass and Copper
Nearly three-quarters of a century serving the trade.
LARGE ASSORTED STOCK
FOR IMMEDIATE DELIVERY
T. E. Conklin Brass & Copper Co., Inc.
54-60 Lafayette Street, New York
Established 1860 Tel. Franklyn 2900

Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Marshall Blow Pipe Co. (For Light Structual Work), 7431 Dubois, Detroit, Mich.
Rome Brass & Copper Co. ("Rome Quality"), Rome, N. Y.

13480—*Sheets (Cotton Pick)

Werthan Bag Co., 12th & Clinton, Nashville, Tenn.

13481—Sheets (Fancy Pattern or Embossed)

AMERICAN BRASS CO., Waterbury, Conn.
See adv index at end of book

Sheets (Fibre)

See Fibre, Hard

13481a—Sheets (Galvanized Iron & Steel)

LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book

J. K. LARKIN & CO.
253 Broadway
NEW YORK

13482—Sheets (Manganese Bronze)

American Manganese Bronze Co. ("Spare's" Rolled Sheets), 3501 Rhawn, Phila., Pa.
Cramp Wm. & Sons Ship & Engine Bldg. Co. ("Parsons" Rolled Sheets), Richmond & Norris, Phila., Pa.
Taunton New Bedford Copper Co., 267 W. Water, Taunton, Mass.

13483—Sheets (Manganese Steel)

Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.

13484— Sheets (Monel Metal)

APOLLO PRODUCTS CO. ("Apollo-Nickelzinc," Brasszink, Copperzink, Nickeltin, etc), La Salle, Ill.
Beckley Perforating Co., Garwood, N. J.
Cleveland Wire Cloth Co., Cleveland, O.
Driver-Harris Co., Harrison, N. J.
See adv index at end of book
Eagle Brass Foundry Co., 21 Spokane, Seattle, Wash.
Hendrick Mfg. Co., Carbondale, Pa.
Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Jelliff Mfg. Corp., C. O., Southport, Conn.
Magosy & Buscher, 232 Canal, New York
Munning & Co., A. P., Matawan, N. J.
Pacific Foundry Co., Harrison & 18th, San Francisco, Cal.
Schwartz Mill Sup. Co., Inc., Edward, 520 Toulouse, New Orleans, La.
Sholes, Inc., 186 Lafayette, New York
Smith & Co., John P., New Haven, Conn.
Steel Products Mfg. Co., Cicero, Ill.
Steel Sales Corp., 129 S Jefferson, Chicago
Supplee-Biddle Hardware Co. (Perforated), 510 Commerce, Phila., Pa.
Taylor Disc Co., Mansfield, O.
Tull Rubber & Sup. Co., J. M., 150 Marietta, Atlanta, Ga.
Tyler Co., W. S., Cleveland, O.
WHITEHEAD METAL PRODUCTS CO., 67-73 Washington, North Boston, Mass.
See adv index at end of book
Whitehead Metal Products Co. of N. Y., Inc., 261 Canal, New York
Williams & Co., Inc., 901 Pennsylvania av, Pittsburgh, Pa.

13484a—Sheets (Naval Bronze)

Conklin T. E. Brass & Copper Co., 54-60 Lafayette, New York
See adv index at end of book

13484b— Sheets (Nichrome)

Driver-Harris Co., Harrison, N. J.
See adv index at end of book

13485— Sheets (Nickel)

ALLOY METAL WIRE CO., Moore, Pa.
See adv index at end of book
Am. Nickel Corp. (Malleable), Clearfield, Pa.
Am. Rolling Mill Co., Middletown, Ohio
Am. Steel & Tin Plate Co. (Steel), H. Frick bldg, Pitsburgh, Pa.
Apollo Products Co. (Plated), La Salle, Ill.
Boker H. & Co., Inc., 101 Duane, New York
Chase Rolling Mill Co. ("Chase" also Rod & Wire) (with Chase Metal Wks. & Waterbury Mfg. Co.), Waterbury, Conn.
Driver-Harris Co. (Pure Malleable), Harrison, N. J. *See adv index at end of book*
Haring Ellsworth ("Elhar" Pure), 114 Liberty, New York
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
INTERNATIONAL NICKEL CO., 67 Wall
See adv index at end of book
Somers Co., Inc. (Thin Gage), Waterbury, Conn.
Taunton New Bedford Copper Co., 267 W. Water, Taunton, Mass.

13485a-b—Sheets (Nickel Silver)

AMERICAN BRASS CO. (& "Ambrose" Metal), Waterbury, Conn.
See adv index at end of book
Am. Rolling Mill Co., Middletown, Ohio
American System of Reinforcing, Washington bldg, Los Angeles, Cal.
Benson H. K. & F. S., Glen Ridge, N. J.
BENSON ROLLING MILLS (INC.), Glen Ridge, N. J.
Besly Chas. H. & Co. (Jobbers), 120 N Clinton, Chicago, Ill.
Bristol Brass Co., Bristol, Conn.
Chase Rolling Mill Co. ("Chase," also Rod & Wire), Waterbury, Conn.
Commercial Shearing & Stamping Co., Youngstown, Ohio
CONKLIN T. E. BRASS & COPPER CO. (Iron, nickel, silver sheets), 54-60 Lafayette, New York
See adv index at end of book
Connecticut Brass & Mfg. Corp. (Thin Gauges), Waterbury, Conn.
Electrical Alloy Co., Morristown, N. J.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
International Nickel Co., 67 Wall, New York
Merchant & Evans Co. (Sheets in Rolls), Washington av & 21st, Phila., Pa.
New England Brass Co., Taunton, Mass.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Riverside Metal Co., Riverside, N. J.
Scovill Mfg. Co., Waterbury, Conn.
See adv index at end of book
Seymour Mfg. Co. ("Silvore"), 87 Franklin, Seymour, Conn.
Somers Co., Inc. (Thin Gage), Waterbury Conn.
Stamford Rolling Mills Co., Inc., Springdale, Conn.
Stimpson Edwin B. Co. (Flat & Coils), 353 Kent av, Brooklyn, N. Y.
See adv index at end of book
Waterbury Rolling Mills, Waterbury, Conn.
Western Cartridge Co., E. Alton, Ill.
Whitehead Metal Products Co. of N. Y., Inc., 261-7 Canal, New York, & 43 N 7th, Phila., Pa.
See adv index at end of book

13485c—Sheets (Phospher Bronze)

Conklin T. E. Brass & Copper Co., 54-60 Lafayette, New York
See adv index at end of book

13485d—Sheets (Steel & Iron)

American Sheet & Tin Plate Co., Frick bldg, Pittsburgh, Pa.
Apollo Products Co. (Steel Plated & Polished), La Salle, Ill.
Ashtabula Steel Co., Ashtabula, Ohio
Castle A. M. & Co. ("Castle"), 1132 Blackhawk, Chicago, Ill.
Eastern Rolling Mill Co. (Steel), Sewer rd, Baltimore, Md.
Falcon Steel Co., Mills, Ohio
Falcon Tin Plate Co., Niles, Ohio
FISHEL & MARKS CO., Ft. of Krakow av., Cleveland, Ohio
See adv index at end of book
Fisher C. W., 52H B'way, New York
Independent Steel Corp., 111 Broad, New York
Jessop Steel Co. (Crucible & Elec. Furnace Sheet Steels for Springs, etc), Washington, Pa.
Kelker Blower Co. Inc., 2383 Fillmore av, Buffalo, N. Y.
See adv index at end of book
LARKIN J. K. & CO., 253 B'way, New York *See adv index at end of book*

J. K. LARKIN & CO.

253 Broadway
NEW YORK

McCormack E. A., 29 Broadway, New York
Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, Ohio
See adv index at end of book
Potts Horace T. & Co. (Electrical), Dept. H, 3rd & Wood, Phila., Pa.
Ryerson Joseph T. & Son, 2558 W 16th, Chicago, Ill. *See adv index at end of book*

22 Kinds of
SHEETS
For Immediate Shipment

Black Steel	Wellsville Polished
Blue Annealed	Partition
Galvanized	Electrical
Patent Leveled	Lead Coated
Silver Finish	Bill Posting
"C" Pickled	Armco Iron
Deep Stamping	Armco Galvanized
Crown Fender	Armco Enameling
Radiator Casing	Corrugated Armco
Single Pickled	Corrugated Steel
Uniform Blue	Tool Steel (Sheet)

Write for Ryerson Stock List

JOSEPH T. RYERSON & SON INC.

Chicago St. Louis Cincinnati Detroit
Buffalo New York

YOUNGSTOWN SHEET & TUBE CO. ("Youngstown" Black, Galvanized, Painted, Plain & Corrugated), Youngstown, O.

13485e— Sheets (Tin)

Apollo Products Co. (Plated, Polished, Pure, etc, Plated or Polished Brass, Bronze, or Copper), La Salle, Ill.
Hoyt Metal Co., Boatmans Bank Bldg., St. Louis, Mo.
Larkin J. K. & Co. 253 B'way, New York
See adv index at end of book

13486—Sheets (Tobin Bronze)

AMERICAN BRASS CO., Waterbury, Conn.
See adv index at end of book
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York

13487—Sheets (Toncan Metal)

LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
United Alloy Steel Corp. (Black & Galvanizing Toncan Metal Rust Resisting Sheets), Canton, Ohio.

13488—Sheets (White Metal)

Seymour Mfg. Co. (Special White Metal Polished Wide & Leveled), Seymour, Conn.
Stamford Rolling Mills Co., Inc., Springdale, Conn.

13489—Sheets (Yellow Metal)

AMERICAN BRASS CO., Waterbury, Conn.
See adv index at end of book
Conklin T. E. Brass & Copper Co., 54-60 Lafayette, New York
See adv index at end of book
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York

13490— Shellac

American Trading Co., 25 Broad, New York
Androvette E. E. (Shellac Gum) (Imp.), 277 Water, New York
Apothecaries Hall Co., Waterbury, Conn.
Baer Bros., 433 W 37th, New York
Balfour, Guthrie & Co. (Imp.), 350 California, San Fransisco, Cal.
Barrett M. L. & Co. (Gums, Orange & White), 233 W Lake, Chicago, Ill.
Bass-Huster Paint Co., 813 Mission, San Francisco, Cal.
Behlen H. & Bro., 10 Christopher, New York
Berry Bros. (Bleached), 211 Leib, Detroit, Mich.
Brodin Pattern & Supply Works, 2420 W 16th, Chicago, Ill.
Carleton E. Everett & Co. (Imp. Orange), 99 Water, New York
Certain-teed Products Corp., St. Louis, Mo.
Day Jas. B. & Co., 224 W Superior, Chicago, Ill.
Devoe & Raynolds Co. Inc. (Imp. for Brewers, etc.), 101 Fulton, New York
Downing R. F. & Co., 45 Pearl, New York
Durkee Atwood Co., 40 Wilder, Minneapolis, Minn.
Feigel M. & Bro. (Bleached, Varnish, etc), 185 Wooster, New York
Franche C. E. & Co., 440 Orleans, Chicago, Ill.
Fulghum & Co., 742 San Pedro, Los Angeles, Cal.
Gilman Paint & Varnish Co., 517 Market, Chattanooga, Tenn.
Glidden Co. (Hard Oil, etc.), Madison av & Berea rd, Cleveland, O.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Hartmann Pacific Co. Inc. (Imp.), 30 Wall, New York
Heath & Milligan Mfg. Co., 1833 Seward, Chicago, Ill.
Kasebier-Chatfield Shellac Co. (Kiln Dried Bleached & Refined, also Imp. Orange), 7 Cedar, New York
Kitz Joseph, 333 Jefferson, Hoboken, N. J.
Knox & Morse Co., 140 Oliver, Boston, Mass.
Lancaster Paint & Glass Co., Lancaster, Pa.
M. & S. Shellac Co., 25 Kempton pl, West Newton, Mass.
McKesson & Robbins (Gums, Imp.), 91 Fulton, New York
MacLac Co. (Bleached & Refined), 9 Cliff. New York
Marx & Rawolle (Orange Bleached & Varnishes), 100 William, New York
Mitsui & Co. (Imptrs.), 65 Broadway, New York
Murphy Varnish Co., 224 McWhorter, Newark, N. J.
Nice Eugene E., 272 S 2d, Phila., Pa.
Northern Chemical Co. (Rim & Gasket), ("Norwesco"), Marietta, O.
Parks E. S. Shellac Co., Fall River, Mass.
Peabody Henry W. & Co. (Imported), 17 State, New York
Ralli Bros. (Imp.), 11 William, New York
Rogers Pyatt Shellac Co. (Orange & Bleached), 81 Water, New York
Scheel Wm. H. (Imported), 179 Water, New York
Standard Color & Chemical Co., 268 Market, San Francisco, Cal.

Standard Varnish Wks. ("Kleartone"), 443 H Fourth av., New York
Tappenbeck W. (Imp.), 82 Wall, New York
United Varnish Co., 248 Green, Brooklyn, N. Y.
Wadsworth Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.
Whittemore-Wright Co. (Gum, Orange, Garnet & Bleached), Charlestown, Boston, Mass.
Woodtite Laboratories, Modesto, Cal.
Zinsser Wm. & Co. (Orange, Imp.), 195 William, New York

13491— Shellac Substitutes

Day Jas. B. & Co., 224 W Superior, Chicago, Ill.
Franche C. E. & Co., 440 Orleans, Chi-
Fulghum & Co., 742 San Pedro, Los Angeles, Cal.
Scheel Wm. H. (Imported), 179 Water, New York *See adv index at end of book*
cago, Ill.

13492— Shellers (Corn)

Advance Rumely Co. ("Advance" Power), Madison & Lincoln Way, La Porte, Ind.
American Bell & Foundry Co., Northville, Mich.
American Seeding Machine Co., Springfield, Ohio
Appleton Mfg. Co. ("New Hero" Force Feed & "Royal" "Badger"), Batavia, Ill.
Barnard & Leas Mfg. Co. ("Victor" & "Little Victor"), 403 20th, Moline, Ill.
BARTLETT & SNOW CO., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Bayley Wm Co., Springfield, O.
Belcher & Taylor Ag'l Tool Co., Chicopee Falls, Mass.
Blymyer Iron Works Co. (Hand & Power), Cincinnati, O.
Brinly Hardy Co. ("Red Chief"), Louisville, Ky.
Bristol & Gale Co., 158 Carroll av, Chicago, Ill.
Buch's A. Sons Co. ("Buch's"), Elizabethtown, Pa.
Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Challenge Co., Batavia, Ill.
Conner J. W. & Son, Orangeville, Pa.
Donaldson Bros. (Hand), Mount Clemens, Mich.
Eagle Machine Co., Lancaster, O.
Ellis Keystone Agricultural Works ("Cannon" Sheller & Cleaner, with Bagger, etc; also "Pottstown" & Double Sheller), Pottstown, Pa.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Farquhar A. B. Co., Ltd. ("Root," "Eclipse," "Lancaster," "Clinton"), York, Pa.
Fate-Root-Heath Co. (The), Plymouth, Ohio *See adv index at end of book*
Fort Worth Well Machy. & Supply Co., Fort Worth, Tex.
FREEMAN MFG. CO. (Hand & Power), Racine, Wis.
See adv index at end of book
Gehl Bros. Mfg. Co., West Bend, Wis.
Genesee Valley Mfg. Co. (Hand & Power), Mount Morris, N. Y.
Gray Iron Casting Co. (Hand), Springfield, Ohio
Great Western Mfg. Co., Leavenworth, Kan.
Harriman Mfg. Co., Harriman, Tenn.
Harrison W. R. & Co. ("Tornado"), Massillon, O.
Heebner & Sons, Lansdale, Pa.
Hench & Dromgold Co. (Hand & Power), York, Pa.
Hobson & Co., Easton, Pa.
Hocking Valley Mfg. Co. (Hand & Power), Lancaster, O.
Howes S. Co. Inc., Silver Creek, N. Y.
Humphrey & Sons, Joliet, Ill.
Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.
International Harvester Co. ("McCormick-Deering"), Harvester bldg, Chicago, Ill.
Joliet Mfg. Co. ("Joliet" Power), Youngs av, Joliet, Ill.
King & Hamilton Co., Ottawa, Ill.
Klauer Mfg. Co. ("Star"), Dubuque, Iowa
Luthy & Co., Peoria, Ill.
McGrath Robert M. Foundry & Machine Wks., Lafayette, Ind.
Mann F. W. Co. (Ball Bearing), Milford, Mass.
Marseilles Works of Deere & Co. ("Cyclone," "John Deere," Spring, "New Marseilles" Cylinders, Power & Hand), E Moline, Ill.
Messinger Mfg. Co. (Power & Hand), Tatamy, Pa.
Moore Plow & Implement Co., Greenville, Mich.
Mountville Mfg. Co. ("Hero"), Mountville, Pa.
New Winona Mfg. Co., Winona, Minn.
Nordyke & Marmon Co. (Hand & Power), Kentucky & Morris, Indianapolis, Ind.
Ohio Rake Co. (Hand), Dayton, O.
Patch A. H. ("Black Hawk," Hand), Clarksville, Tenn.
Peppler Thomas Son & Co., Hightstown, N. J.
Port Huron Engine & Thresher Co. (Power Shellers), Port Huron, Mich.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
Red Chief Mfg. Co., Louisville, Ky.
Rock Island Mfg. Co., Rock Island, Ill.
Sandwich Mfg. Co., Sandwich, Ill.
Smalley Mfg. Co., Manitowoc, Wis.
Smith, Philip Mfg. Co. (Power), Sidney, O.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Star Heel Plate Co. ("Ever-Ready"), Wilson av, Newark, N. J.
Star Mfg. Co. (Huskers & Shellers Combined), Carpentersville, Ill.
Tiffin Wagon Co., Tiffin, O.
Union Iron Works (Inc.) ("Western" Power), Decatur, Ill.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Watts Mfg. Co. ("Watts," Power), Jackson, Mich.
Whitaker Mfg. Co., 409 S Green, Chicago, Ill.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.
Wolf Co., Chambersburg, Pa.

Shellers (Nut)

See Nut Crackers & Picks

13492a— Shells (Boiler)

PRESSED STEEL TANK CO., West Allis, Milwaukee, Wis.
See adv index at end of book

HACKNEY
Seamless Steel Shells
All open shells, boiler shells, fountain shells and oil vessels manufactured by us are drawn from one piece of open hearth flange quality or fire box quality steel (A.S.M.E. Spec.).
Shells made up to 29" diam., gauge limit ¾".
PRESSED STEEL TANK CO.
West Allis Milwaukee, Wis.

13493— Shells (Condenser)

Continental Iron Works, West & Calyer, Brooklyn, N. Y.
Heggie James G. & Sons, Inc., Joliet, Ill.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.

13494— *Shells (Copper)

Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
See adv index at end of book
Waterbury Mfg. Co., Division Chase Companies, Inc., Waterbury, Conn.

13495-6—Shells (Disinfector)

Quaker City Iron Works (Of Heavy Plate Steel, Jacketed & Stay Bolted), Tioga & Richmond, Phila., Pa.

13497-8-9— Shells (Fuse)

Daum A. F. ("Daum" Refillable Cartridges), 1157 Hodgkins, Pittsburgh, Pa.
Waterbury Mfg. Co., Division Chase Companies, Inc., Waterbury, Conn.

Shells (Loaded)

See Ammunition

Shells (Ordnance)

See Shells, Seamless Steel; also Projectiles, Steel

13500— Shells (Roll)

American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept. H, 14th & State, Chicago Heights, Ill.
Railway Steel Spring Co., 30 Church, New York
Standard Steel Works Co. ("Standard" Solid Weldless), Morris bldg, Phila., Pa.

13501— Shells (Rolled Chrome Steel)

Chrome Steel Works, Chrome, N. J.

13501a— Shells (Screw)

PAINE COMPANY, THE (Expansion), 2951 Carroll av, Chicago, Ill.
Patton-MacGuyer Co., 31 Mathewson, Providence, R. I.
Risdon Mfg. Co. ("Risdon"), Naugatuck, Conn.
Scovill Mfg. Co. (To Order Only), Waterbury, Conn.
See adv index at end of book
Waterbury Mfg. Co., Division Chase Companies, Inc., Waterbury, Conn.

13502—Shells (Seamless Steel)

Am. Tube & Stamping Co. (Pressed), Dept. H, 471 Hancock, Bridgeport, Conn.
Bethlehem Steel Co., S Bethlehem, Pa.
Bossert Corp. (The) (Drawn), cor Linden & West av, Utica, N. Y.
Boston Pressed Metal Co. (& Brass), 170 Union, Worcester, Mass.
Columbiana Boiler Co., Columbiana, O.
PRESSED STEEL TANK CO., West Allis, Milwaukee, Wis.
See adv index at end of book

HACKNEY
Seamless Steel Shells
All open shells, boiler shells, fountain shells and oil vessels manufactured by us are drawn from one piece of open hearth flange quality or fire box quality steel (A.S.M.E. Spec.).
Shells made up to 29" diam., gauge limit ¾".
PRESSED STEEL TANK CO.
West Allis Milwaukee, Wis.

WORCESTER PRESSED STEEL CO., Barber av, Worcester, Mass.
See adv index at end of book
Zeigler Mfg. Co., Alexandria, Ind.

Shells (Shot Gun)

See Ammunition

13503—Shells (Straight & Taper Bore)

Railway Steel Spring Co., 30 Church, New York

13504— Shells (Wooden)

Martin Adolph (Est. of), Passaic, N. J.

13504a— Shelters (Steel)

Baker Edw. L. & Co., 608 Otis bldg, Chicago, Ill.

13505—Shelves (Expansion Tank)

Tyler Fred A. ("Quickest"), Albany, N. Y.

13506— Shelves (Glass)

See also Bath Room Fixtures & Furnishings
Autoyre Co., Dept. H, Oakville, Conn.
BAKER S. D. MFG. CO., 234 W 14th, New York
See adv index at end of book
Central Specialty Mfg. Co. (Corner), 404 S Kalman av, Chicago, Ill.
Falconer Mirror Co., Falconer, N. Y.
Novelty Mfg. Co., Waterbury, Conn.
Saginaw Mirror Wks., Saginaw, Mich.
Standard Plate Glass Co., 30 Sudbury, Boston, Mass.
Stephenson C. H. ("Stephenson"), Lynn, Mass.
Tru Lite Mfg. Co. ("Tru-Lite"), Dept. H, Bradford, Pa.

13506a— Shelves (Refrigerator)

American Mfg. Co., Chestnut & Water, Chattanooga, Tenn.
Barbee Wire & Iron Wks., Lafayette, Ind.
Pennsylvania Structural Slate Co., Drake bldg, Easton, Pa.
PIONEER WIRE WORKS, 133-135 Federal, Camden, N. J.
See adv index at end of book
Structural Slate Co., The, 101 Marietta, Pen Argyl, Pa. (With Natural Slate Blackboard Co., Pen Argyl)
See adv index at end of book

13507—Shelves (Stove Pipe)

Parker Wire Goods Co. (Wire), Worcester, Mass.

13508—Shelves & Closets (Stove & Range)

Malleable Iron Range Co., Beaver Dam, Wis.
UNITED STEEL & WIRE CO., 327 Fonda av, Battle Creek, Mich.

13508a— Shelving (Basket)

DURABILT STEEL LOCKER CO., Aurora, Ill.
See adv index at end of book

13509—Shelving (Glass Front, Sectional)

Grand Rapids Show Case Co. (Store), Grand Rapids, Mich.
Standard Plate Glass Co., 30 Sudbury, Boston, Mass.
Warren J. D. Mfg. Co., Masonic Temple, Chicago, Ill.

13510—Shelving (Gymnasium)

DURABILT STEEL LOCKER CO., Aurora, Ill.
See adv index at end of book

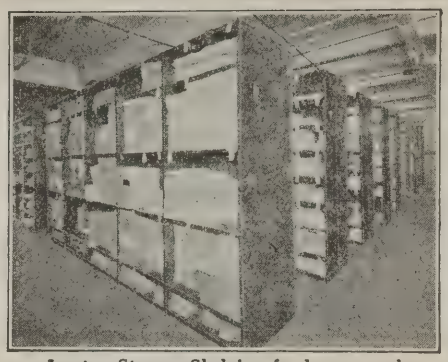
Shelving (Shop)

See Shelving, Steel

13511— Shelving (Steel)

Art Metal Construction Co., Jamestown, N. Y.

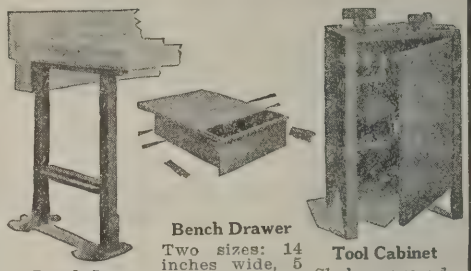
(Continued on following page)



Lupton Storage Shelving for heavy goods

Lupton
INVESTMENT VALUE

STEEL EQUIPMENT
Including
BIN, RACK, STORAGE, DISPLAY AND UNIT SHELVING
UTILITY CABINETS — TOOL CABINETS
BAR RACKS — BENCH LEGS
FOREMEN'S DESKS
STEEL SASH
FOR ALL TYPES OF BUILDINGS



Bench Leg Light; strong; cannot be broken. Height, 31 inches. Takes top measuring 26½ inches.

Bench Drawer Two sizes: 14 inches wide, 5 inches deep, 18 inches front to back; and 14 inches wide, 6 inches deep, 24 inches front to back.

Tool Cabinet Shelves are adjustable on 3-inch centers. Dimensions: 24 inches wide, 36 inches high, 16 inches deep.

DAVID LUPTON'S SONS COMPANY -:- Philadelphia

Shelving (Steel)—Continued

Barshal Steel Equipment Co., 2031 Euclid av, Cleveland, O.
Berger Mfg. Co. (Plain & Roller), 1038 Belden av N E, Canton, O.
Bernstein Mfg. Co., 3rd & Allegheny, Phila., Pa.
Canton Art Metal Co., Canton, O.
Central Metal Products Corp., Canton, Ohio
Clark W. J. Co., Salem, O.
Cleveland Wire Spring Co. (Shop), 1281 E 38th, Cleveland, O.
Columbia Metal Bar Co., 226 E 144th, New York
DARBY EDW. J. & SON ("Darbysteel" Shelving made in standard size units for every purpose. Adjustable for light or heavy storage. Send detailed sketch for estimate), 319 Vine, Phila., Pa.
See adv index at end of book
Davidson J. L. Co. ("K. D."), 644-48 Mateo, Los Angeles, Cal.
Dexter Metal Mfg. Co. ("Universal," "Merritt," for Vault, etc), 93 Arch, Camden, N. J.
Durand Steel Locker Co. (For Vaults & **Shops, etc.), 76 W Monroe bldg, Chicago, Ill.**
Edwards O. M. Co., Inc., Syracuse, N. Y.
GENERAL FIREPROOFING CO. (THE) (Store, Shop & Office), 2308 Logan av, Youngstown, O.
See adv index at end of book
GLOBE-WERNICKE CO. (THE), (Sectional), 25 Carthage av, Cincinnati, O.
See adv index at end of book
Hart & Cooley Co., Inc., Corbin av & W Main, New Britain, Conn.
Hart & Hutchinson Co. ("H & H"), New Britain, Conn.
Hauserman E. F. Co., Fenestra bldg, Cleveland, O.
Heller W. C. & Co. (Hardware), Montpelier, Ohio
Jefferies Richard W. Co. (Pressed Steel), Camden. N. J.
Kalamazoo Sheet Metal Mfg. Co., Kalamazoo, Mich.
Keyless Lock Co., Indianapolis, Ind.
LUPTON'S DAVID SONS CO. ("Lupton"), Allegheny av & Tulip, Phila., Pa.
See adv index at end of book
Lyon Metallic Mfg. Co. ("Lyon," Adjustable or Stationary, for All Purposes), Aurora, Ill.
Manufacturing Equipment & Engineering Co. ("Mesco"), Framingham, Mass.
Marshall Blow Pipe Co., 7431 Dubois, Detroit, Mich.
Medart Fred Mfg. Co. ("Medart"), St. Louis, Mo.
Mills Co., The ("Factrequipment"), 5322 St. Clair av, Cleveland, O.
See adv index at end of book
National Scale Corp. ("National"), 11 Hendricks, Chicopee Falls, Mass.
New Britain Machine Co., ("New Britain," also Cast Iron), 190 Chestnut, New Britain, Conn.
OHIO MFG. CO., P. O. Box 136, Painesville, O. *See adv index at end of book*
PENN METAL CO. ("Penco"), 65A Franklin, Boston, Mass.
Steel Fixture Mfg. Co. (Vault, etc), Topeka, Kans.
Terrell's Equipment Co. (With or Without Doors), Grand Rapids, Mich.
VAN DORN IRON WORKS CO. (THE), 2700 E 79th, Cleveland, O.
See adv index at end of book
Watson Mfg. Co., Jamestown, N. Y.
Willcox Engineering Co., 1525 Holland av, Saginaw, Mich.
Wilson Andrew Co., 616 Essex, Lawrence, Mass.
Yawman & Erbe Mfg. Co. ("Fire Wall"), St. Paul, Rochester, N. Y.

Skylights Shelving
MILLS METAL
SHELVING
Partitions Office—Factory Toilet
THE MILLS COMPANY, Cleveland, O.

13512— Shelving (Warehouse)

Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Duluth Show Case Co., Duluth, Minn.
Durand Steel Locker Co., 76 W Monroe, Chicago, Ill.
Hart & Hutchinson Co. ("H & H" Steel), New Britain, Conn.
See adv index at end of book
Medart Fred Mfg. Co., St. Louis, Mo.
Mills Co., The ("Factrequipment"), 5322 **St. Clair av, Cleveland, O.**
See adv index at end of book
Van Dorn Iron Works Co. (The), 2700 E 79th, Cleveland, O.
See adv index at end of book

13513-4— Sherardizing

Bridgeport Chain Co. (Chains, etc.), 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Finn John Metal Works, 384 2nd, San Francisco, Cal.
GENERAL ELECTRIC CO. (Oven Equipment), Schenectady, N. Y.
See adv index at end of book
Globe Machine & Stamping Co. (Dry Galvanizing), 1250 W 76th, Cleveland, O.
Los Angeles Galvanizing Co., 602 Mater, Los Angeles, Cal.
New Haven Sherardizing Co., Hartford, Conn.
Standard Steel & Wire Co., 1408 Cortland, Chicago, Ill.
Stanley Works, New Britain, Conn.
Steel City Electric Co., 1207 Columbus av, Pittsburgh, Pa.
U. S Sherardizing Co., New Castle, Pa.
Wrought Washer Mfg. Co., Milwaukee, Wis.

13515— Shields (Buckle)

Frazer & Jones Co., Syracuse, N. Y.
North & Judd Mfg. Co. ("Mossman," & "Royal" Flexible), New Britain, Conn.

13516— Shields (Dress)

Benedict C. Mfg. Co., 591 Mission, San Francisco, Cal.
Beyerle J. J. Mfg. Co. ("Puritan"), 81 S 5th, Brooklyn, N. Y.
Kleinert I. B. Rubber Co., 485 5th av, New York
Mystic Rubber Corp. West Medford, Mass.

13516a— Shields (Duck)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

13517—Shields (Erasing, for Draftsmen)

Defiance Mfg. Co., 384-6 Broadway, New York
Weber F. Co., 1220 Buttonwood, Phila., Pa.

Shields (Eye, Goggles)

See Goggles & Eye Protectors

13518— Shields (Gear)

Evans Oil Works, York & McLean, Cincinnati, O.
Ironsides Co., Dept. H, Columbus, O.

13518a—Shields (Grinding Wheel)

Dreis & Krump Mfg. Co., 7420 S Loomis, Chicago, Ill.

13519— Shields (Lamp Eye)

Bay State Optical Co. (Mica, for Working Over Fires), Attleboro, Mass.
Chicago Eye Shield Co. ("Eureko"), 2300 Warren av, Chicago, Ill.
Ellis Frank Otis, Sandwich, Mass.
Featherweight Eye Shade Co., Merchantsville, N J
White W. B. & Son, Quincy, Mass.

13520— Shields (Linemen's)

Lineman Protector Co. ("Marshall's," also Shoes & Cross Arm Protectors), Penobscot bldg, Detroit, Mich.

13521—Shields (Water Closet)

13521a—Shields (Wire Rope)

Ironsides Co. ("Ironsides" Lubricants), Columbus, O.

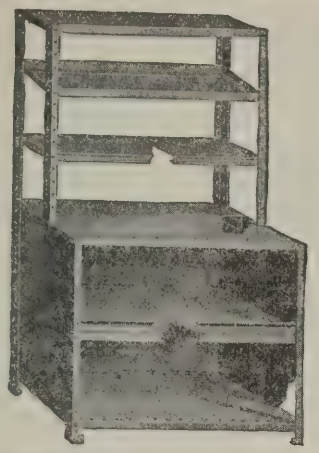
13522—Shieves (Stamped Metal)

Janney & Co., Montgomery, Ala.

Shifters (Belt)

See Belt Shifters

"DARBYSTEEL" SHELVING
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THE VAN DORN IRON WORKS COMPANY
Cleveland, Ohio

13523— Shifters (Phase)

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*

13524— *Shim Steel

Beehler Steel Products Co., 1449 N 13th, St. Louis, Mo.
See adv index at end of book
Ward's Edgar T. Sons Co., 44-54 Farnsworth, Boston, Mass.

13525— Shims

Am. Tube & Stamping Co. (Steel), Dept. H, 471 Hancock, Bridgeport, Conn.
Beehler Steel Products Co., 1449 N 13th, St. Louis, Mo.
See adv index at end of book
Bossert Corp. The (Brass, Steel, etc., to Order), cor. Linden & West av, Utica, N. Y.
Continental Fibre Co. ("Continental Bakelite" Switch Fibre), Newark, Del.
Delaware Hard Fibre Co. (Fibre Switch), Wilmington, Del.
See adv index at end of book
Detroit Leather Wks., 683 E Lafayette, Detroit, Mich.
Fitzgerald Mfg. Co. (Brass, Steel & Zinc), Torrington, Conn.
Gasket Supply Co., ("Right" Brass Zinc-Steel & Laminated Brass), 1927 Ludlow, Phila., Pa.
See adv index at end of book
Harry Bros. Mfg. Co., 1303 Woodbridge, E. Detroit, Mich.
KALES STAMPING CO. (Brass), 1680 W Lafayette blvd, Detroit, Mich.
See adv index at end of book
Keystone Gasket Mfg. Co., 829 N 4th, Philadelphia, Pa.
See adv index at end of book
Laminated Shim Co. ("Laminated" Brass), 14th, Long Island City, N. Y.
Lanz M. Bolt Co. (Pole), 2907H Carson, Pittsburgh, Pa.
McCord Radiator Mfg. Co., 2587 E Gd. blvd, Detroit, Mich.
National Leather Mfg. Co. ("National," "Wolverine"), Niles, Mich.
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
Oakes Co., The, Indianapolis, Ind.
Rochester Woven Belting Corp. (Web), East Rochester, N. Y.
ROTAX MFG. CO. (Rotax Shim Brass & Steel), 171 Broadway & 24 Bathgate pl, New York
Track Specialties Co., Inc. ("Trasco" Track), 2-4-6 Morris, New York
Tucker Bros. Mfg. Co. ("Tucker" Spoke Tightener), Auburn blvd, Sacramento, Cal.
Victor Mfg. & Gasket Co. (Shim Stock), 5750 W Roosevelt rd, Chicago, Ill.
Worcester Pressed Steel Co., Barber av, Worcester, Mass.
See adv index at end of book
Zeigler Mfg. Co., Alexandria, Ind.

13525a— Shims (Pole)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

Our Service Department is always ready to furnish special information.

13526— Shiners (Shoe)

Andrews A. H. Co. (Handy, Portable Metal, Combined Seat & Rest), 107 S Wabash av, Chicago, Ill.
Piqua Bracket Co. ("Gem" Shoe Holder & Polisher), Piqua, O.

13527-8-9—*Shingle Rolls (Embossed)

Lehon Co. (The) ("Mulehide"), 4451 S Oakley av, Chicago, Ill.

13530— Shingles (Asbestos)

American Asphalt Roof Corp. ("Old American"), 15th & Blue River, Kansas City, Mo.
AMERICAN INSULATION CO. ("Aminco"), Nicetown, Phila., Pa.
See adv index at end of book
Asbestos Shingle Co., Nashau, N. H.
Asbestos Shingle Slate & Sheating Co. ("Ambler"), Ambler, Pa.
Consolidated Sheet Metal Wks. ("Consol"), 661 Hubbard, Milwaukee, Wis.
Johns-Manville Inc., Madison av & 41st, New York
National Asbestos Mfg. Co., 193 Henderson, Jersey City, N. J.
Special Service Flooring Corp., 2009 Grand Central Terminal, New York
Stearns A. T. Lumber Co., 100 Taylor, Boston, Mass.
See adv index at end of book
Trus-Con Laboratories, Caniff & Grant R. R., Detroit, Mich.

13531— Shingles (Asphalt)

See Also Roofing, Asphalt Ready

Amalgamated Roofing Co. ("Nu Tile"), 431 S Dearborn, Chicago, Ill.
Asphalt Roof Coating Co. Ltd. ("Hudson"), 10 E 43rd, New York
Barber Asphalt Co. ("Genasco Sealbac" Individual, Strip & Latite), Land Title bldg, Phila., Pa.
Barrett Co. ("Everlastic"), 40 Rector, New York
Beckman-Dawson Roofing Co. (Tapered), 111 W Jackson, Chicago, Ill.
Bird & Son ("Neponset" Saturated Asphalt), East Wapole, Mass.
CAREY PHILIP MFG. CO. ("Asfaltslate"), 330 Wayne av, Lockland, Cincinnati, O.
Certain-teed Products Corp. ("Certain Teed" State Surface), Boatman's Bank bldg, St. Louis, Mo.
Cordes, Ayrault & Co., Tonawanda, N. Y.
Edwards Mfg. Co., Cincinnati, O.
See adv index at end of book
Flintkote Co. ("Rex Strip," "Rex Wide Space," "Rex Diamond Paint," "Reversible Paint" Strip, Asphalt Slate Surfaced), 38 Pearl, Boston, Mass.
Ford Roofing Products Co., 2339 S La Salle, Chicago, Ill.
Heppes Roofing Division The Richardson Co. ("Flex-a-tile"), Lockland, O.
Keystone Roofing Mfg. Co. ("Keystone" Slate Finished), York, Pa.
Lampson Lumber Co., New Haven, Conn.
Lehon Co. ("Mule Hide" Individual & 4 Unit), 4451 S Oakley, av, Chicago, Ill.
McHenry Millhouse Mfg. Co. ("Standard"), South Bend, Ind.
National Asbestos Mfg. Co., 193 Henderson, Jersey City, N. J.
National Roofing Co., Tonawanda, N. Y.
Nelson B. F. Mfg. Co., Minneapolis, Minn.
Reynolds H. M. Asphalt Co., Grand Rapids, Mich.
RUBEROID CO., THE (Individual & Strip Ruberoid Giant Shingles, Ruberoid Octabs, Ruberoid Square Tabs), 95 Madison av, New York
See adv index at end of book

RU-BER-OID
ASPHALT SHINGLES
Ruberoid Giant-shingles—Extra large, extra thick, extra heavy, unit shingles. Unusually durable. Save 50% in application cost.
Ruberoid Octab Strip-shingles—Especially adapted for pattern roofs of various designs. Excellent over old wood shingles.
Ruberoid Square-tab Strip-shingles—High quality strip-shingles having square tabs or butts.
The RUBEROID Co., 95 Madison Ave., New York

Safepack Mills ("Safekote"), 72 Atlantic av, Boston, Mass.
Servicised Products Co. ("Servicised"), First Natl. Bank bldg, Chicago, Ill.
Southern Cotton Oil Co. ("Scoco"), 120 B'way, New York
Usona Mfg. Co. ("Usona"), Aurora, Ill.
Vulcanite Roofing Co. ("Vulcanite"), Military rd & City line, Beaver rd, Buffalo, N. Y.
Whitaker Paper Co. (Slate Covered, in colors), Eggleston av, 6th & Lock, Cincinnati, O.
Winthrop Asphalt Shingle Co., Argo, Ill.

13532—Shingles (California Redwood)

This is a Selected List for Buyers; see also Lumber Manufacturers

Albion Lumber Co., 532 Market, San Francisco, Cal.
Burns M. A. Mfg. Co., Eureka, Cal.
Caspar Lumber Co., Hobart bldg., San Francisco, Cal.
Dolbeer & Carson Lumber Co., Mer. Ex. bldg, San Francisco, Cal.
Hobbs, Wall & Co., 1 Drumm, San Francisco, Cal.
McKay & Co., 311 California, San Francisco, Cal.
Metropolitan Redwood Lumber Co., Metropolitan, Cal.
Nelson Charles Co., 230 California, San Francisco, Cal.
Pacific Lumber Co., 311 California, San Francisco, Cal.
Redwood Shingle Assn., Eureka, Cal.
San Diego Lumber Co., San Francisco, Cal.
Schouten J. W. & Co., 733 Bryant, San Francisco, Cal.
Waite H. B. Lumber Co., Security bldg, Minneapolis, Minn.
West Virginia Lumber Co., First National Bank bldg, Pittsburgh, Pa.

13533— Shingles (Cedar)

This is a Selected List for Buyers; see also Lumber Manufacturers

Atlas Lumber Co. (Red Cedar), Seattle, Wash.
Bell Lumber Co. (White & Red), Security bldg, Minneapolis, Minn.
See adv index at end of book
Bolcom Canal Lbr. Co. (Red), Seattle, Wash.
Briggs & Cooper Co. (Ltd.), Saginaw, Mich.
Burke Shingle Co. (Red), Anacortes, Wash.
Carley Ira (White Cedar), Ingalls, Mich.
Carpenter W. I. Lumber Co. (Red Cedar), 504 Lumber Exchange, Minneapolis, Minn.
Carstens & Earle, Inc., Lowman bldg, Seattle, Wash.
Case Shingle & Lumber Co. (Red), Raymond, Wash.
Central Warehouse Lbr. Co., Minnesota Transfer, Minn.
Chicago Lumber & Coal Co. (Red), Arcade bldg, St. Louis, Mo.
Clear Lake Lbr. Co. (Red), Clear Lake, Wash.

(Continued on following page)



Edwards' Metal Shingles

in Ten Popular Patterns

Rot-Proof — Fire-Proof — Lightning-Proof

Will Outlast Your Building

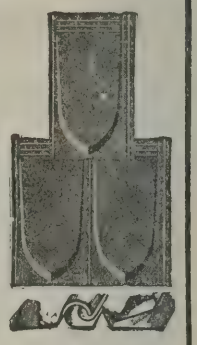
Edwards' Metal Shingles are attractive, durable, water, wind and fireproof. There's a design to suit every taste. They are easily laid; the only tools needed being hammer and nails. And the patent Interlocking Device provides automatically for expansion and contraction.

Descriptive literature and samples on request

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The World's Largest Manufacturers of Metal Roofing, Metal Shingles, Metal Spanish Tile, Metal Ceilings, Metal Garages, Portable Buildings, Trucks.



Shingles (Cedar)—Continued

Collins John D. Lumber Co. ("Matchless" "Rite" Red), White bldg, Seattle, Wash.
Creo-Dipt Co., North Tonawanda, N. Y.
Eatonville Lumber Co. (Red Cedar), Eatonville, Wash.
Falls City Lbr. & Logging Co. (Red), Northwestern Bank bldg, Portland, Ore.
Ferry-Baker Lumber Co. (Red), Everett, Wash.
Gray's Harbor Commercial Co. (Red Cedar), ft of 3d, San Francisco, Cal.
Haines Lumber Co. (Red Cedar), No. Tonawanda, N. Y.
Hartman-Neubert Lbr. Co. (Red), Seattle, Wash.
Hoquiam Lumber & Shingle Co. (Red Cedar), Hoquiam, Wash.
Juniper Lumber Co. Inc. (White), Ivanhoe, N. C.
Kimball-Clark Co. (White Cedar), Oshkosh, Wis.
Little River Redwood Co., Bulwinkle, Cal.
McCormick Lbr. Co. (Red), McCormack, Wash.
McKenna Lbr. Co., McKenna, Wash.
Morgan Co., Oshkosh, Wis.
Morgan Lumber & Cedar Co. (White & Red Cedar), Oshkosh, Wis.
Nelson Chas. Co. (Redwood Douglas Fir, Spruce. Hemlock, Sugar & White Pine), 230 California, San Francisco, Cal.
Nicola Lbr. Co. (Red Cedar), Farmers' Bank bldg., Pittsburgh, Pa.
Nufer Cedar Co., Whitehall, Mich.
Pacific Fir Co. (Red Cedar), Seattle, Wash.
Pacific Timber Co., Everett, Wash.
Panama Lbr. & Shingle Co. (Red), Olympia, Wash.
Pine Tree Mfg. Co. (White Cedar), Little Falls, Minn.
Pinkham J. E. Lbr. Co. (Red), Seattle, Wash.
Pioneer Lumber Co. (Red), Seattle, Wash.
Robbins Lumber Co., Rhinelander, Wis.
Roy E. B. Lumber Co. (Red), Seattle, Wash.
Saginaw Shingle Co. (Red Cedar), Blaine, Wash.
St. Croix Paper Co., 244 Washington, Boston, Mass.
St. Paul & Tacoma Lbr. Co., Tacoma, Wash.
Sand Point Lumber & Pole Co. (Ltd.) (Red Cedar), Sand Point, Idaho
Seattle Cedar Lumber Mfg. Co. ("Maltese Cross"), Seattle, Wash.
Smith M. R. Shingle Co. (Red), R. A. Long bldg, Kansas City, Mo.
Standard Cedar & Lumber Co. (White Cedar), 511 Lumber Exchange, Minneapolis, Minn
Standard Stained Shingle Co. ("Creo-Dipt" Stained Red Cedar), North Tonawanda, N. Y.
Sullivan Lumber Co., N W Bank bldg, Portland, Ore.
Thompson-Wells Lbr. Co., Menominee, Mich.
Vancouver Lbr. Co. Ltd. (Vancouver Cedar Mills Ltd.) (B. C. Red), 343 S Dearborn, Chicago, Ill.
Verd Cedar Co., Arlington, Wash.
Waccamaw Lumber Co., Bolton, N. C.
Wagner & Wilson Co., Monroe, Wash.
Waite H. B. Lumber Co. (Wash'n Red Cedar), Security bldg, Minneapolis, Minn.
Wall-Spalding Lumber Co., Oshkosh, Wis.
Wallace-Ballord Lumber Co. (Red Cedar), 613 Lumber Exchange, Minneapolis, Minn.
Wilson Robt. S. (Red Cedar), Seattle, Wash.
Wisconsin Land & Lumber Co. (White Cedar), Hermansville, Mich.
West Virginia Lumber Co., First National Bank bldg, Pittsburgh, Pa.

Shingles (Cement)

See Roofing Tile, Cement

13534— Shingles (Cypress)

A Selected List for Buyers; see also Lumber Manufacturers

Ascension Red Cypress Co. (Ltd.), 403 Whitney bldg, New Orleans, La.
Allison Lumber Co. Inc. (Molding), 729, Columbia, S. C.
Baker-Wakefield Cypress Co. (Ltd.), Plattenville, La.
Brownell-Drews Lumber Co. (Ltd.), Morgan City, La.
Burgan Lumber Co., American bldg, Baltimore, Md.
Betts Lumber Co., Bailey bldg, Phila., Pa.
Chicago Lumber & Coal Co., Arcade bldg, St. Louis, Mo.
Continental Lumber Co., Houston, Tex.
Cotten Bros., Cypress Co. (Ltd.), Morgan City, La.
Craven Lumber Co., Dallas, Tex.
Dibert, Stark & Brown Cypress Co. (Ltd.), Donner, La.
Gates Lumber Co., Wilmar, Ark.
Hammer Lumber Co., Drexel bldg, Philadelphia, Pa.
Jeanerette Lumber & Shingle Co. (Ltd.), Jeanerette, La.
Juniper Lumber Co. Inc., Ivanhoe, N. C.
Louisiana Cypress Lumber Co. (Ltd.), Harvey, La.
Louisiana Red Cypress Co., 814 Perdito, New Orleans, La.
Lutcher & Moore Cypress Lbr. Co. (Ltd.), Lutcher, La.
Lutcher & Moore Lumber Co., Orange, Tex.
Napoleon Cypress Co. (Ltd.), Napoleonville, La.
Planters Lumber Co. (Ltd.), Jeanerette, La.
Ruddock Orleans Cypress Co., Carrollton av & New Basin, New Orleans, La.
Schwing Lumber & Shingle Co. (Ltd.), Plaquemine, La.
STEARNS A. T. LUMBER CO., 100 Taylor, Boston, Mass.
See adv index at end of book
Trinity River Lumber Co., Houston, Tex.
West Virginia Lumber Co., 1st National Bank bldg, Pitsburgh, Pa.
Wilson Cypress Co., Palatka, Fla.

13535— Shingles (Felt)

Flintkote Co. ("Rex Strip" & "Rex Wide Space," "Rex Diamond Paint," "Rex Reversible Strip Paint"), 88 Pearl, Boston, Mass.
Paraffin Co.'s, Inc., 475 Brannan, San Francisco, Cal.

13536-7—Shingles (Metallic)

See also Roofing Tile, Metallic

Anaconda Copper Mining Co. (Copper), Anaconda, Mont.
Asbestos Protected Metal Co., Beaver Falls, Pa.
Berger Mfg. Co. ("Chieftain," "Swanee"), 1038 Belden av, Canton, O.
Burris John T. & Son, Anderson, S. C.
Burton W. J. Co. ("East Lake" Hip Ornamental, etc.), 5650 Federal, Detroit, Mich.
Butler Mfg. Co., 1228 Eastern av, Kansas City, Mo.
Canton Art Metal Co. ("X L"), Canton, O.
Canton Metal Ceiling Co. ("Art Kraft"), Canton, O.
Cincinnati Stamping Co. ("Regan's"), 24 W McMicken av, Cincinnati, O.
Cortright Metal Roofing Co. ("Cortright," "Hand Dipped," also Galvanized), 50 N 23rd. Phila., Pa.
Delphos Mfg. Co., 1st & Pierce, Delphos, O.
Dickelman Mfg. Co., Forest, O.
Dominion Metal Products Co., Roanoke, Va.
Dowman-Dozier Mfg. Co., Atlanta, Ga.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
Eller Mfg. Co. ("Dux-Bac" Lock Joint), 1200 Camden av S W, Canton, O.
Florida Metal Products Co., Jacksonville, Fla.
Hopson W. C. Co., Grand Rapids, Mich.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Hyndman Roofing Co. ("Loxrite," "Security," "Xlent" Brand), 318 E 2d, Cincinnati, O.
Illinois Zinc Co. (Zinc), Peru, Ill.
Kanneberg Roofing & Ceiling Co., Canton, O.
Klauer Mfg. Co., Dubuque, Ia.
Messenger & Parks Mfg. Co. ("Acme"), Aurora, Ill.
Meurer Geo. C. Co. ("Unique," "Columbia"), 22 Clay, Brooklyn, N. Y.
Miller & Doing, 60 York, Brooklyn, New York
Milwaukee Corrugating Co. ("American" Titelock), Milwaukee, Wis.
MOESCHL-EDWARDS CORRUGATING CO. ("Just Right"), Box 564, Cincinnati, O. *See adv index at end of book*
NATIONAL SHEET METAL ROOFING CO. ("Walter's" & "Coopers"), 339 Grand, Jersey City, N. J.
See adv index at end of book
NEW JERSEY ZINC SALES COMPANY, THE (Made of "Horse Head" 99.9% Zinc), 158 Front, New York
See adv index at end of book
Newport Rolling Mill Co., Newport, Ky.
Norman W. F. Sheet Metal Mfg. Co. (Hip), Nevada, Mo.
Northwestern Sheet Metal Mfg. Co., 2206 First av, Seattle, Wash.
Ohio Corrugating Co., Warren, O.
Penn Metal Ceiling & Roofing Co. (Ltd.), ("The Sagendorf"), 23d & Hamilton, Phila., Pa.
Penn Metal Co. ("Penco" of Hampton Metal), 65 A Franklin, Boston, Mass.
Pioneer Paper Co., 247 S Los Angeles, Los Angeles, Cal.
Piper J. A. Roofing Co., Dept. H, Greenville, S. C.
Porter Iron Roofing & Corrugating Co., 418 Culvert, Cincinnati, O.
Reeves Mfg. Co., Dover, O.
Schoedinger F O, 346 Mt. Vernon av, Columbus, O.
Scott Roofing & Mfg. Co., 408 Culvert, Cincinnati, O.
Southern E. E. Iron Co. ("Souther's"), Kienlen & Hamburger, St. Louis, Mo.
Thomas & Armstrong Co. ("Buckeye"), London, O.
Tiffin Art Metal Co., 20 Broad, Tiffin, O.
Watson Jas. H. Co., Bradley, Ill.
Wheeling Corrugating Co., Wheeling, W. Va.
Wheeling Metal & Mfg. Co., Wheeling, W. Va.
Williams L. E. ("Diamond Hip & Cresting U"), 49 Union av, Portland, Ore.
Willis Mfg. Co., Galesburg, Ill.

Shingles (Red Cedar)

See Shingles, Cedar

13538—Shingles (Slate Surface)

Keystone Roofing Mfg. Co., York, Pa.
National Asbestos Mfg. Co., 193 Henderson, Jersey City, N. J.
Richardson Co. ("Richardson"), Wyoming & Cooper av, Lockland, Cincinnati, O.
RUBEROID CO., THE (Ruberoid Giant Shingles, Ruberoid Octabs and Ruberoid Square Tabs), 95 Madison av, New York
See adv index at end of book
Stowell Mfg. Co., Culver av, Jersey City, N. J.

13539— Shingles (Stained)

Creo-Dipt Co. ("Creo-Dipt"), No. Tonawanda, N. Y.
Johnston R. F. Paint Co., Pearl & Main, Cincinnati, O.
Moser Chas. Co., Cincinnati, O.
Paraffin Co.'s, Inc. ("Pabco"), 475 Brannan, San Francisco, Cal.
Patton Paint Co., Milwaukee, Wis.
Richmond Bros., 616 Main, Cincinnati, O.
Standard Stained Shingle Co. ("Creo-Dipt"), North Tonawanda, N. Y.

13540— Shingles & Tiling (Cluster)

EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
Globe Iron Roofing & Corrugating Co., Dept. H, Newport, Ky.
Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, O.
See adv index at end of book
Newport Rolling Mill Co., Newport, Ky.

13541— Ship Builders

See also Dry Docks & Marine Railways

Star (*) indicates those who build Iron & Steel; Section Mark (§) those who build Wooden; Dagger (†) those who build Iron, Steel & Wooden

Abbott William G., Milford, Del.
Alabama Dry Dock & Shipbuilding Co. (also Ship Repairs), Mobile, Ala.
Alaska Pacific Navigation Co., Seattle, Wash.
*Albina Engine & Machine Works, Portland, Ore.
*American Car & Foundry Co. (Steel & Wooden Steamships, Ferry Boats, Barges, Car or Grain Floats, etc), Syndicate Trust bldg, St. Louis, Mo.
American Fisheries Co., Bellingham, Wash.
American Shipbldg. Co., 11 B'way, New York; plant, Brunswick, Ga.
§Atlantic Coast Co., Inc., Thomaston, Me.
Atlantic Gulf & Pacific Co., 21 Park Row, New York.
*Atlantic Works (Steam Yachts), 80 Border, East Boston, Mass.
Ballard Marine Railway Co. Inc., Ft. Shilshole & 24th av N W, Seattle, Wash.
*§Barnes Chas. Co., 55 Main, Cincinnati, Ohio
§Barrett Line (Tugs, River Vessels, Scows, etc), 405 St. Paul, Cincinnati, O.
*Bath Iron Works (Ltd.), Bath, Me.
§Bayles Shipyards, Inc., Port Jefferson, N. Y.
§Bean R. L., Camden, Me.
Beaumont Ship Bldg. & Dry Dock Co., Beaumont, Tex.
Bethlehem Shipbuilding Corp. Ltd., Balt. Drydock Plant (Steel Ships, Barges, Lighters, Car Floats, Tugs, etc), ft E Fort av, Baltimore, Md.
Bethlehem Shipbuilding Corporation, Ltd. (All Kinds of Sailing Vessels & Barges, Tugs, Scows, etc), Bethlehem, Pa.
Blaisdell N. & Sons, Bath, Me.
§Boos Bros., 815 Key Highway, Baltimore, Md.
§Bowker F. S., Phippsburg, Me.
§Brown Dry Dock Co., ft Morris, Jersey City, N. J.
Brown Louis L. Co., Inc. (Concrete), 71 8th av, New York
Brunswick Shipbuilding Co., Brunswick, Ga.
*Buffalo Dry Dock Co., Garson, Buffalo, N. Y.
†Burger H. B., Jr., Manitowoc, Wis.
Cahill W. S. Co., Key Highway & Webster, Baltimore, Md.
California Shipbuilding Co. (Submarines & Torpedo Boats), Long Beach, Cal.
§Camden Yacht Building & R'y Co. (Yachts, etc), Camden, Me.
Cape Cod Shipbuilding Corp (Up to 150 ft. to Order), Wareham, Mass.
§Caril Jesse E., Northport, N. Y.
§Carleton Norwood & Co., Rockport, Me.
Charleston Dry Dock & Machine Co., Charleston, S. C.
Chesapeake Marine Railway Co., Philpot e Point, Baltimore, Md.
Chicago Ship Building Co., 101st & Calumet River, Chicago, Ill.
*§Clooney Construction & Towing Co. (Barges, Boats, etc), Westlake, La.
§Cobb Francis Shipbuilding Co., Rockland, Me.
Columbia River Shipbuilding Corp., Gasco bldg., Portland, Ore.
Cookson, Walker & Callahan, San Pedro, Cal.
Cowles Shipyards Co., 31 St. Clair, Buffalo, N. Y.
Craig Shipbuilding Co., ft. Water, Long Beach, Cal.
*Cramp Wm. & Sons, Ship & Engine Bldg. Co., Beach cor Ball, Phila., Pa.
†Crane's Theo. A. Sons Co. (Tugs, River Vessels, Scows, Dry Docks etc), ft Columbia, Brooklyn, N. Y.
§Crook, H. E. Co., Inc., 28 Light, Baltimore, Md.
Crosby Navigation Co., Richmond, Me.
Crowley Launch & Tugboat Co., ft 14th av, Oakland, Cal.
Cumberland Shipbldg. Co., Yard S P, Portland, Me.
Dantzler Shipbldg. & Dry Docks Co., Moss Point, Miss.
§Davidson James, Bay City, Mich.
*Davis M. M. & Son, Solomons, Md.
§Deering G. G. & Co., Bath, Me.
*Detroit Ship Building Co., ft. Orleans, Detroit, Mich.
de Young A. W., ft. Chestnut, Alameda, Cal.
Diercks-Blodgett Shipbldg. Co., Pascagoula, Miss.
Downey Shipbldg. Corp., New Brighton, N. Y.
Doyen P. H. Shipbuilding Co., South Portland, Me.
Dravo Contracting Co., 1100 Diamond Bank bldg, Pittsburgh, Pa.
*†§Dubuque Boat & Boiler Works, Dubuque, Ia.
§Dunn & Elliot Co., Thomaston, Me.
§Elco Co. ("Elco" Electric & Gasoline Launches, etc), Bayonne, N. J.
§Englis Chas. M., 176 Vanderbilt av, Brooklyn, N. Y.
Federal Shipbuilding Co., Kearny, N. J.
Fellows & Stewart, Inc. (Floating Equip. of all kinds), Wilmington, Del.
§Fenton David (Tugs, River Vessels, Scows, etc), Manchester, Mass.
*Fletcher W. & A. Co., Hoboken, N. J.
Fulton Shipbldg. Co., Wilmington, Cal.
*Gas Engine & Power Co. & Chas. L. Seabury & Co. (Launches, Yachts, etc), Morris Heights, New York
General Engineering & Dry Dock Co., Inc., Alameda, Cal.
§Gildersleeve Ship Building Co. (Coal Boats & Deck Scows), Gildersleeve, Conn.
§Gilmore Bros. (Scows, etc), Toledo, O.
Globe Shipbldg. Co., Superior, Wis.
§Goble J. H. & T. C., Oswego, N. Y.
Grant, Smith, Porter Shipbldg. Co., Portland, Ore.
Gray's Harbor Shipbuilding Co., Aberdeen, Wash.
*Great Lakes Eng'ng Works, Real Estate Exchange bldg, Detroit, Mich.
§Greenport Basin & Const. Co. (Tugs, River Vessels, Scows, etc), Greenport, N. Y.
Groton Iron Wks., Noank, Conn.
Hanlon Dry Dock & Shipbuilding Co., Oakland, Cal.
*§Henderson Shipbuilding Co., Mobile, Ala.
*Herreshoff Mfg. Co. (Also Yachts, etc), Bristol, R. I.
§Hiltebrant C. Dry Dock Co., Rondout, Kingston, N. Y.
Hodge Ship Co., Moss Point, Miss.
Housatonic Ship Bldg. Co., Stratford, Conn.
*Howard Ship Yards Co., Jeffersonville, Ind.
Imperial Shipbuilding Corp., ft Dubois, Detroit, Mich.
International Shipbuilding & Marine Eng'g. Corp., Nyack, N. Y.
§Jakobson & Peterson (Scows, etc), ft of 16th, Brooklyn, N. Y.
Jahncke Shipbldg. Co., Madisonville, La.
Johnson Iron Works, Dry Dock & Ship Bldg. Co., Inc. (Steamers, Barges & Lighters), Morgan & Sequin, New Orleans, La.
§Johnson Shipyards Corp., West New Brighton, S. I., N. Y.
*Johnston Bros. (Tugs, Yachts, Barges, Scows, etc), Ferrysburg, Mich.
§Kelley-Spear Co., Bath, Me.
§Kenyon A. P., Marine City, Mich.
§King & Winge Ship Yard, Seattle, Wash.
Kingston Ship Bldg. Co., Kingston, N. Y.
§Kirby Thos. H. & Sons, St. Michaels, Md.
Kirk John P. (Tugs, River Vessels, Scows, etc), Toms River, N. J.
§Kneass Geo. W. (Tugs, River Vessels, Scows, etc), 18th & Illinois, San Francisco, Cal.
§Kruse & Banks, North Bend, Ore.
†Lake Erie Drydock & Mill Co., Sandusky, O.
§Lake Torpedo Boat Co. (Submarine Torpedo Boats), Seaview, Bridgeport, Conn.
§Lenahan R. & Co., Kingston, N. Y.
§Lindstrom Ship Building Co., Aberdeen, Wash.
Lone Star Shipbldg. Co., Beaumont, Tex.
§†Long Island Machine & Marine Construction Co., ft E av, Long Island City, N. Y.
Los Angeles Shipbuilding & Drydock Corp., Los Angeles Harbor, San Pedro, Cal.
Luders Marine Construction Co., Stamford, Conn.
McAllister Dry Dock & Shipyard Co., 24 State, New York
*McDougall-Duluth Co., Duluth, Minn.
McEachern Ship Co., Astoria, Ore.
§McKie Ship Building Co., 333 Border, E Boston, Mass.
McLouth Sidney C., Marine City, Mich.
Manitowoc Shipbuilding Co. (Steel Ships, Passenger Steamers, Fire Boats, Tugs, Dredges, Lighters, Scows, etc), Manitowoc, Wis.
§Mar Jno. E. & Son, West Haven, Conn.
Marine Construction Co., 4100 Iowa, Seattle, Wash.
§Marine Engine & Boiler Co. (Tugboats, etc), Philpot & Point, Baltimore, Md.
Maritime Boat & Engine Works, 1710 W Spokane, Seattle, Wash.
Mathis John H. Co., Camden, N. J.
§Matthews Ship Building Co., Hoquiam, Wash.
Meacham & Babcock Shipbldg. Co., Seattle, Wash.
Merchants Shipbuilding Corp. (Steel Merchant Vessels), Chester, Pa.
†Milwaukee Dry Dock Co., Ft. Washington, Milwaukee, Wis.
Moore Dry Dock Co., Balfour bldg. San Francisco, Cal.
§Moran Robert, Rosario, Wash.
§Muncy Thos. F. & Son (Yachts Only), Bay Shore, N. Y.
§Murnan Ship Bldg. Corp., Mobile, Ala.
*National Dry Dock & Repair Co., West New Brighton, S. I. N. Y.
National Shipbldg. Co., Orange, Tex.
New Jersey Shipbldg. Co., Gloucester City, N. J.
*New, York Shipbuilding Co., Camden N. J.
Newburgh Shipyards, Inc., Newburgh, N. Y.
Newport News Shipbuilding & Dry Dock Co., 233 B'way, New York
*Newport News Ship Building & Dry Dock Co., Newport News, Va.
Norfolk Shipbuilding & Dry Dock Corp., Argyle av, Norfolk, Va.
North Carolina Ship Bldg. Co., Morehead City, N. C.
Northwest Steel Co., Gasco bldg, Portland, Ore.
§Oades Walter H., 229 Eason, Detroit, Mich.
Pacific Coast Shipbldg. Co., First Nat'l Bk. bldg, San Francisco, Cal.
§Paducah Dry Dock Co., Paducah, Ky.
Palmer Robert & Son Ship Building & Marine Railway Co. (The), Noank, Conn.
§Peninsula Shipbuilding Co., ft. of McKenna, Portland, Ore.
Penn. Shipbldg. Co., Gloucester City, N. J.
§Percy & Small, Bath, Me.
§Perth Amboy Dry Dock Co., Perth Amboy, N. J.
Pittsburgh-Des Moines Steel Co. (Hulls-Steel), 804 Gurry bldg, Pittsburgh, Pa.
See adv index at end of book
Portland Co. (Freight & Passenger Steamboats, Towboats, etc) Portland, Me.
Portland Shipbldg. Co., 257 Front, So. Portland, Me.
Portland Ship Ceiling Co., Water, Portland, Me.
Providence Engng. Corp., 521 S Main, Providence, R. I.
*Pusey & Jones Co. (Yachts, Sailing & Steam Vessels), ft Poplar, Wilmington, Del., & Pennsylvania & New Jersey Yards, Gloucester City, N. J.
Quintard Iron Works Co., 40 Wall, New York
Raritan Dry Dock Co. (Scows, Tugs, Barges, etc), Perth Amboy, N. J.
§Rice Jacob & Sons, Kingston, N. Y.
§Rieboldt Wolter & Co., Sturgeon Bay, Wis.
*Riley's Dry Dock Co., Buffalo, N. Y.
Riter-Conley Co., Oliver bldg, Pittsburgh, Pa.
Rodgers Geo. T. & Co., Astoria, Ore.
Rohde Chas. L. & Sons Co., ft 3d av, Baltimore, Md.
§Ryan John & Son, Whitehall, N. Y.
*§St. Helens Shipbuilding Co., St. Helens, Ore.
San Francisco Shipbldg. Co. (Concrete Steamers & Barges), 310 California, San Francisco, Cal.
Sanderson & Porter, Willapa Harbor, Wash.
Sandy Point Ship Bldg. Co., Sandy Point, Me.
Schultze, Robertson & Schultze, Inc., 1151 Evans av, San Francisco, Cal.
Seattle Shipbuilding & Dry Dock Co., King St. Dock, Seattle, Wash.
§Simpson Lumber Co., 112 Market, San Francisco, Cal.
Ship Construction & Trading Co., Inc., Stonington, Conn.
Slidell Ship Building Co., Slidell, La.
§Smith C. C. Boat & Engine Co., Algonac, Mich.
§Snow I. L. & Co., Rockland, Me.
Sommerstrom Shipbldg. Co., Columbia City, Ore.
*Spedden Ship Building Co. (Steel & Wood), Boston & Kenwood, Baltimore, Md.
Standifer G. M. Constr. Co., Vancouver, Wash.
Stanley Shipbldg. Co., Shooters Island, L. I., N. Y.
Staten Island Shipbuilding Co., 3075 Richmond Terrace, Mariners Harbor, Staten Island, N. Y.
§Stearns & McKay Co. (Tugs, River Vessels, Scows, etc), Marblehead, Mass.
Stone W. F. & Son, Kentucky & Boehmer, Oakland, Cal.
§Story A. D., Essex, Mass.
Submarine Boat Corp., 11 Pine, New York; shipyards, Port Newark, N. J.
*Sun Shipbuilding Co., Chester, Pa.
*Superior Ship Building Co., Superior, Wis.
§Swenson J., ft of Warren, Jersey City, N. J.
Tampa Dock Co., Tampa, Fla.
Tampa Shipbuilding & Engineering Co., Tampa, Fla.
Tebo Yacht Basin Co., ft. 24th, Brooklyn, N. Y.
Texas Steamship Co., Bath, Me.
§Thames Tow Boat Co., New London, Conn.
Todd Dry Dock & Constn. Co., Tacoma, Wash.
Todd Dry Docks, Inc., Seattle, Wash.
Todd Shipyards Corp., 25 Broadway, New York
*Toledo Ship Building Co., Toledo, O.

(Continued on following page)

Ship Builders—Continued

§Traylor Shipbldg. Corp., Cornwells Hghts., Pa.
Union Construction Co., H Balfour bldg, San Francisco, Cal.
•Union Shipbuilding Co., Fairfield, Md.
United Engineering Co., 272 Steuart, San Francisco, Cal.
§Vansant Stanley G., Atlantic City, N. J.
Vinyard Ship Building Co., Milford, Del.
Virginia Shipbuilding Corp., Alexandria, Va.
Vulcan Iron Works, Inc., Hudson & Essex, Jersey City, N. J.
Ward Chas. Engineering Works (Light-Draft River Steamers), Charleston, W. Va.
§Waterhouse Frank & Co., Seattle, Wash.
§Weaver Joseph & Son, Orange, Tex.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
§White E. I., Machias, Me.
•Williamette Iron & Steel Wks. (Iron & Steel), foot of Front, Portland, Ore.
Wilson Shipbldg. Co., Astoria, Ore.
•Winslow Marine Railway & Shipbuilding Co., Winslow, Wash.
§Woodall Wm. E. & Co., ft of Woodall, Baltimore, Md.
York River Ship Bldg. Co., West Point, Va.

13542— Ship Knees

Cheney S. & Son, Manlius, N. Y.
de Young A. W., ft. Chestnut, Alameda, Cal.
Hoskins J. S. Lumber Mfg. Co., 1400 Hearst Tower bldg, Baltimore, Md.
Portland Ship Building Co., Portland, Me.
Seattle Shipbuilding & Dry Dock Co., King St. Dock, Seattle, Wash.
Sherwood Hall Co., Ltd., Grand Rapids, Mich.
True Samuel, Amesbury, Mass.

13542a—Ship Repairs & Refittings

Albina Marine Iron Wks., Lewis & Loring, Portland, Ore.
Craig Shipbuilding Co., ft. Water, Long Beach, Cal.
Crook H. E. Co., 28 Light, Baltimore, Md.
Green Richard T. Co. (Iron & Steel), Boston 50, Chelsea District, Mass.
King & Winge Shipbuilding Co., 2231 E Marginal Way, Seattle, Wash.
Moore Dry Dock Co., Balfour bldg, San Francisco, Cal.
Simon Engineering Co., 301 Railroad av, Seattle, Wash.
Smith & Watson Iron Wks., 400 Front, Portland, Ore.
Stolz Jos. & Son Inc., 341 E 136th, New York
Union Construction Co., Balfour bldg, San Francisco, Cal.
Vulcan Iron Works, Inc., Hudson & Essex, Jersey City, N. J.

13542b— Ships Findings

Alabama Dry Dock & Shipbuilding Co., Mobile, Ala.
Fisher C. W., 52H B'way, New York
Henderson Shipbuilding Co., Mobile, Ala.
Murnan Ship Bldg. Corp., Mobile, Ala.
Staten Island Shipbuilding Co., 3075H Richmond Terrace & Mariners Harbor, Staten Island, N. Y.
Stern Foundry & Machine Co., 1630 Annunciation, New Orleans, La.
Thacher Propeller & Foundry Corp., Albany, N. Y.
Williams & Wells Co., 253 Fulton, New York *See adv index at end of book*
Wittemann Bros., 41 Ferris, Brooklyn, N. Y.

13542b—Ships (Stone & Cement)

Littleford Bros., 444 E Pearl, Cincinnati, O. *See adv index at end of book*

13543— Shock Absorbers

Accesso Mfg. Co. ("Accesso"), 99H State, Boston, Mass.
Am. Tube & Stamping Co. (Pressed Steel), Dept. H, 471 Hancock, Bridgeport, Conn.
Benjamin Electric Mfg. Co., 120 S Sangamon, Chicago
Best Spring Co. ("Randolph" Spring Non-Shock), 28 Grand N, Portland, Ore.
Bethlehem Steel Co., Bethlehem, Pa.
Central Brass & Fixture Co. ("Buckeye Ford"), Springfield, O.
Channon-Hughson Co., 227 W Erie, Chicago, Ill.
CLEVELAND PNEUMATIC TOOL CO. ("Gruss"), 3734 E 78th, Cleveland, O. *See adv index at end of book*
Connecticut Shock Absorber Co., Meriden, Conn.
Defender Auto Lock Co. ("Defender" for Fords), Allegan, Mich.
DOMINION ASBESTOS & RUBBER CORP. ("Dominion"), 1780 B'way, New York *See adv index at end of book*
Dorrance Chas. J. ("Dorrance" Trolley), 53 W Jackson, Chicago, Ill.
Dural Rubber Corp. (Airplane), Flemington, N. J.
Eckhouse Walter & Co. ("W&C" for Fords), 616 S Michigan blvd, Chicago, Ill.
Flentje Ernest ("Flentje" for Automobiles), 1643 Cambridge, Cambridge, Mass.
Fifield Brothers Co. (Dlrs for Fords only), 337 Water, Augusta, Me.
France Mfg. Co. ("F.-F."), 10360 Berea rd, Cleveland, O.
Gabriel Mfg. Co. ("Foster"), 1407 E 40th, Cleveland, O.
General Engineering & Dry Dock Co., Inc., Alameda, Cal.
Gilmer L. H. Co. ("Bull Dog"), Cottman & Keystone, Phila., Pa.
Goodyear Tire & Rubber Co. ("Aeroplane"), Akron, O.
GRUSS AIR SPRING CO. ("Gruss"), 220 9th, San Francisco, Cal.
Halladay L. P. Co., Decautur, Ill.
Halliwell Bros. ("Martin"), 317 W Pico, Los Angeles, Cal.
Hartford Edward V. ("Truffault-Hartford"), 141 Morgan, Jersey City, N. J.
Hassler Robt. H., Inc. ("Hassler"), 3641 Wash. blvd, Indianapolis, Ind.
Humboldt Machine & Stamping Co. ("Ridewell"), Vernon av & 10th, Long Island City, N. Y.
Imperial Hydraulic Shock Absorber Co., 1039 Harrison, San Francisco, Cal.
Landis Engng. & Mfg. Co. ("Landis"), Waynesboro, Pa.
Loyd Mfg. Co. ("Loyd"), 3664 B'way, Oakland, Cal.
Mahannah & Alford ("Ace" Air Springs), 215 Spear, San Francisco, Cal.
Martin Shock Absorber Corp., 1301 E Slawson, Los Angeles, Cal.
Mesinger H. & F. Mfg. Co., 432 Austin pl, New York
National Dairy Machine Co., Goshen, Ind.
Pape A. H. ("Papes" Leverage Spring), 225 Natoma, San Francisco, Cal.
Rainier Machine & Supply Co. ("Shields Spring Brake"), 2462 1st av S, Seattle, Wash.
Roller Clasp Inc., 1001 E Ferry, Buffalo, N. Y.
Russell Mfg. Co. (Airplane), 349 B'way, New York
Sager J. H. Co. ("J H S"), Rochester, N. Y.
Simplex Air Spring Co., 3320 20th, San Francisco, Cal.
Smith, H. Lund, Paterson, N. J.
Southwark Foundry & Machine Co. (Hydraulic for Machinery), 1128 S 4th, Phila., Pa. *See adv index at end of book*
Star Specialty Mfg. Co. ("Star" Ford Motor Circulators), 227-233 W Erie, Chicago, Ill.
Turner Brass Works ("Turner"), Sycamore, Ill.
Universal Rim Co. ("Stone"), 112 W Adams, Chicago, Ill.
Universal Shock Eliminator Co., 7 W 61st, New York
Walker Mfg. Co. (For Ford Cars), Racine, Wis.
Webber P. H. Co. ("W. & C." For Ford Cars), Hoopeston, Ill.
Weeber C. F. Mfg. Works ("Weeber"), Albany, N. Y.
Westinghouse Air Spring Co. ("Westinghouse Air Spring"), 25 Fox, New Haven, Conn.
Wood, J. W. Elastic Web Co., 45 E 17th, New York

13544—Shoe Blacking & Polishes

A. B. Polish Co. ("A. B. Wite Est" Cleaner, "A. B. Radiant" Dressing), 1515 Haddon av, Chicago, Ill.
Albano Mfg. Co. ("Albano" for White Shoe), Dept. H, Trenton, N. J.
American Shoe Polish Co. ("Eagle" for Black, Suede, Kid & White Canvas), 20th & Troy, Chicago, Ill.
Ampt Chas. F. Co. (Polish), 214 Springfield Pike, Wyo.
Angelus Shoe Polish Co., 227 E 6th, Los Angeles, Calif.
Bixby S. M. & Co. ("Bull Frog," "Three Bee," "Best," Blackings, "Royal," "Jet Oil," Polishes, "Shuwhite" White, "Satinola" Tan, "Shoe Satin," Bixola), 46th & 2d av, Brooklyn, N. Y.
Brown B. F. & Co., 137 Fulton, Boston, Mass.
Burckard Blacking & Oil Co. ("Okolite"), 1322 Greenmount av, Baltimore, Md.
California Leather Dressing Co., 1574H Market, San Francisco, Cal.
Callaway Wm. E. (Polishes), 61 Wilkinson av, Jersey City, N. J.
Cleveland Alden T. Mfg. Co., 125 Broad, Boston, Mass.
Conley Stain & Blacking Co., 15 Sherman, Boston, Mass.
Cox A. F. & Son ("Mohawk" Waterproof), 154 Middle, Portland, Me.
Cummings G. R., Jr., & Co., 132 Reed, Milwaukee, Wis.
Dalley F. F. Co. ("2 in 1" Polish), 277 Military rd, Buffalo, N. Y.
Dennehy Bros., Brocton, Mass.
Everett & Barron Co. ("U-N-O." "Trilby"), 359 Eddy, Providence, R. I.
Excelsior Chemical Co. ("Exo"), 426 Bryant, San Francisco, Cal.
Fulton Shoe Polish Co., 289 Pearl, New York
Hauthaway C. L. & Sons, 346 Congress, Boston, Mass.
Herriott Shoe Polish Co., 2301 N B'way, St. Louis, Mo.
Hollingshead R. M. Co. ("Shulife" Shoe Dressing, Camden, N. J.
Kepec Co., 476 4th, Milwaukee, Wis.
Manhattan Shoe Polish Co., 47 Dean, Brooklyn, N. Y.
Martin & Martin ("E-Z" Polishes Only), 3005 Carroll, Chicago, Ill.
Mason Jas. S. Co. (Polish & Blacking, "Challenge"), 212 S Front, Phila., Pa.
Miller Frank Co. ("Gem," "Crown," "Paragon," "Peerless," "Empire," "Kibosh"), 349 W 26th, New York
Omega Shoe Polish Co. ("Omega"), 420 S Los Angeles, Los Angeles, Cal.
Panco Rubber Co., Chelsea, Mass.
Prescott J. L. Co., 92 W Bway, New York
Rainoil Waterproof Paint & Products Co. ("Rainoil" Waterproofing), 1717 Westlake av N, Seattle, Wash.
Robb C. L. Mfg. Co., Bellefontaine, O.
Selz Best Mfg. Co. ("White-O-Right" Dressing), 13 W Kinzie, Chicago, Ill.
Shinola Co., Rochester, N. Y.
Stinson B. F. & Co., 424 Niagara, Buffalo, N. Y.
Superior Polish Co., Brockton, Mass.
Thompson Ferd & Co., Rockland, Mass.
Whittemore Bros. Corp. ("Gilt Edge," "French Gloss," "Elite," "Dandy," "Star," "Midget," "Quick White," "Albo," "Big Four," "Chic," "Bully Shine," "Superb," "Raven"), Cambridge, Mass.
Wood Geo. H. Corp., 146 Summer, Boston, Mass.
World Polish Mfg. Co. ("Blackola"), York, Pa.
Yankee Polish Co., 64 Cortlandt, New York

13545— Shoe Goring

Boston Gore & Web Co. (Elastic), Chelsea, Mass.
Dyer Chas. N., Haverhill, Mass.
Glendale Elastic Fabrics Co. (Elastic), Easthampton, Mass.
Taylor Thos. & Sons (Elastic), Hudson, Mass.

13546—*Shoe Horns (Fibre)

Continental Fibre Co., Newark, Del.
DELAWARE HARD FIBRE CO. (Hard Fibre), Wilmington, Del. Works, Marshallton, Del. *See adv index at end of book*
Wilmington Fibre Specialty Co., Wilmington, Del.

13547— Shoe Horns (Metal)

Riley-Klotz Mfg. Co., 17 Mulberry, Newark, N. J.
Sommer J. L. Mfg. Co., Newark, N. J.

13547a— Shoe Lasts (Wooden)

Brockton Last Co., Brockton, Mass.
Dayton Last Works, Dayton, O.
Gardiner Thos. W. & Sons, Lynn, Mass.
Golbert Last Co., 54 Commercial, Worcester, Mass.
Masterson Bros., Brockton, Mass.
Mawhinney Last Co., Brockton, Mass.
Porter S. & Co., 25 Union, Worcester, Mass.
Rebhun Last Co., 1728 Dana av, Cincinnati, O.
Rochester Last Works, Rochester, N. Y.
Sturgis-Jones Last Co., Brockton, Mass.
Vulvan Last Co., Portsmouth, O.
Woodard & Wright Last Co., Brockton Mass.

13548-9—Shoe Lasts & Stands

Adams Co., Dubuque, Ia.
Badger Malleable & Mfg. Co. (Malleable Iron), South Milwaukee, Wis.
Bosworth-Ard Machine & Foundry Co., Anniston, Ala.
Chattanooga Implement & Mfg. Co., Office E. C., Chattanooga, Tenn.
Chattanooga Roofing & Foundry Co., Chattanooga, Tenn.
Coulter Mfg. Co., 325 Arch, Phila., Pa.
Enterprise Hardware Mfg. Co., Frederick, Md.
Fate Root-Heath Co. ("Plymouth," Revolving "Universal," "Acme," "Heavy A," "Guaranteed Perfection," "Hercules," Wedge Top, "Buckeye" Combination, Malleable Sap, etc.), Plymouth, O. *See adv index at end of book*
Grey Iron Casting Co., Mt. Joy, Pa.
Kupferle John C. Foundry Co. ("Eclipse," "St. Louis" & "Paragon,"), 1st & Wright, St. Louis, Mo.
McMahon & Hickey, Ellicottville, N. Y.
Nicol & Co. ("Porter's"), 218 N Jefferson, Chicago, Ill.
Roanoke Iron & Bridge Works, Inc. ("O. K."), Roanoke, Va.
Sacks Louis ("Star"), Wilson av, Newark, N. J.
Stowell Co., The (Cast & Malleable Iron), S Milwaukee, Wis.
Wrightsville Hardware Co. ("Columbia & Brighton" Cast Iron), Wrightsville, Pa.

13550— Shoe Trees

American Cutlery Co., (Steel), 700 Mather, Chicago, Ill.
Anderson A. R. & Co. ("Fitall"), Arlington, N. J.
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*

Bridgeport Metal Goods Mfg. Co. ("R. P. K." Aluminum & Steel, Slipper), Pine & Cherry, Bridgeport, Conn.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Kennebunk Mfg. Co. ("Spaulding's Fether-Lyte"), Milton, N. H.
Plymouth Stamped Metal Co., Galion, O.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Twintree Corp. ("Twintree" Hangers), 36 Murray, New York

13551-2—Shoes (Aluminum)

Overland Shoe Co., Racine, Wis.

13553—Shoes (Baseball & Athletic)

Claflin Waldo M. ("Claflin"), 1107 Chestnut, Phila., Pa.
Jarvis W. B. Co. ("Ty Cobb"), Grand Rapids, Mich.
McLoughlin, Bundy & Sinsbaugh, 545 S Spring, Los Angeles, Cal.
Rawlings Mfg. Co. ("Rawlings"), 23d & Lucas av, St. Louis, Mo.
Shepherd J. D. Shoe Co., Great Lakes bldg, Chicago
Spaulding A. G. & Bros., 105 Nassau, New York
Stall & Dean Mfg. Co., Brockton, Mass.
Wilson Thos. E. & Co., 727 N Sangamon, Chicago, Ill.
Witchell-Sheill Co. ("Witch-Elk"), 168 Brooklyn, Detroit, Mich.

13554-5—Shoes (Casing, Oil & Gas Well)

Baker Casing Shoe Co., Box 264 Huntington Park, Los Angeles, Cal.
Cal. Well Tool & Machine Works, 1033 Alhambra av, Los Angeles, Cal.
Continental Supply Co., Post Dispatch bldg, St. Louis, Mo.
Dobbins Core Drill Co., 81-85 Sixth st, Long Island City, New York
See adv index at end of book
Herron R. H. Co., 934 N Alameda, Los Angeles, Cal.
Keystone Driller Co., Beaver Falls, Pa.
See adv index at end of book
Burkhardt Co., Kiel, Wis.
National Supply Co. (Oil Well), Union Bank bldg, Pittsburgh, Pa.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Union Tool Co., Torrance, Cal.
Voleske Tool Co. ("Voleske" Cable Shears), 246 Hawthorne av, Portland, Ore.

Shoes (Conductor Pipe)

See Elbows & Shoes, Conductor, Pipe

13556— Shoes (Drive)

Dobbins Core Drill Co., 81-85 Sixth st, Long Island City, New York
See adv index at end of book
Burkhardt Co., Kiel, Wis.
Lyle Culvert & Road Equipment Co., 171 27th av S E, Minneapolis, Minn.
Mark Mfg. Co., Evanston, Ill.

13557—Shoes (Horse, Rubber)

Goodrich B. F. Co., Akron, O.
Goodyear Tire & Rubber Co., Akron, O.
Powers Rubber Horseshoe Co. ("Powers"), 1700 N Kostner av, Chicago, Ill.
Revere Rubber Co., Chelsea, Mass.

13558—Shoes (Horse & Mule)

American Horse Shoe Co. (Horse & Mule), Phillipsburg, N. Y.
AMERICAN STEEL & WIRE CO. ("Juniata," Horse & Mule Shoes; also Toe & Heel Caulks), 208 S La Salle, Chicago, Ill.
See adv index at end of book
Bryden Works ("Bryden"), Catasauqua, Pa.
Burden Iron Co., Troy, N. Y.
Challoner Co., Oshkosh, Wis.
Champion Horse Shoe Co., Pawtucket, R. I. R. I.
Cincinnati Horse Shoe & Iron Co. (Horse & Mule), Cleves, O.
Cray Bros. ("Cray" Iron Shoe), 1111 W 11th, Cleveland, O.
Diamond Calk Horse Shoe Co. ("Diamond"), Duluth, Minn.
Fruin Drop Forge Co. ("Fruin-Tobin"), 347 Root, Chicago, Ill.
Giant Grip Horse Shoe Co. ("Giant Grip"), Oshkosh, Wis.
Mfrs. Iron & Steel Co. ("Bryden," "Boss") New Brunswick, N. J.
Old Dominion Iron & Steel Corp., Belle Isle, Richmond, Va.
Standard Horse Shoe Co., Boston, Mass.
Tredegar Co., ft 5th, Richmond, Va.
United States Horse Shoe Co. ("U. S." Horse), Erie, Pa.
Warren Tool & Forge Co. (Pitching), 145 Griswold, Warren, O.
See adv index at end of book

13558a— *Shoes (Ladder)

American Mason Safety Tread Co. (Carborundum Filled), Lowell, Mass.
Harker Mfg. Co. ("Queen"), 121-123 W Third, Cincinnati, O.

13559—Shoes (Molders' or Founders')

Brandau Shoe Co., 250 W Jefferson, Detroit, Mich.
Shepherd J. D. Shoe Co., Great Lakes bldg, Chicago
Williams Arthur A. Shoe Co., Holliston, Mass.

13560— Shoes (Ox)

Scranton Forging Co., 200 Green Ridge av, Scranton, Pa.
See adv index at end of book
Woodruff W. W. & Sons Co., Mount Carmel, Conn.

13560a— Shoes (Pipe)

Marion Malleable Iron Wks., 2300 W 9th, Marion, Ind.

13561— Shoes (Plank)

Pollard Jos. G. (Steel), 141 Raymond, Brooklyn, N. Y.

13562-3—Shoes (Scalping & Cleaning)

Howes S. Co. Inc., Silver Creek, N. Y.
Huntley Mfg. Co. (For Grain, Beans & Peas), Silver Creek, N. Y.

Shoes (Sleigh)

See Shoes, Wagon & Sleigh

13564—Shoes (Sliding Furniture)

Berbecker & Rowland Mfg. Co., Waterville, Conn.
Brainard & Wilson Co. ("B. & W."), Danbury, Conn.
Evergrip Gliding Caster Co. ("Evergrip"), 261 Canal, New York
Fetter R. S. ("Sterling"), 123 Wesley av, Buffalo, N. Y.
G. G. G. Metal Stamping Co. ("Roll-E-Z"), Warren, Pa.
Gould-Mesereau Co. ("Times"), 52 W 38th, New York
Grand Rapids Furniture Co., Grand Rapids, Mich.
Hatheway Mfg. Co. ("Knob-E-Knob" for Chairs), Dept. H, Bridgeport, Conn.
Heller P. A. & Sons, 213 State, Detroit, Mich.
Onward Mfg. Co. ("Onward"), Menasha, Wis.
Peabody Henry W. & Co. ("Domes of Silence," "U. S. A.," "Ho"), 17 State, New York
Turner & Stanton Co. ("Slidewell"), Norwich, Conn.
Victor Caster Co. ("Victor" Caster, "Nob-E-Nob" Glide), Bridgeport, Conn.
Watertown Table-Slide Co., Watertown, Wis.

13565— Shoes (Tennis)

American Rubber Co., 130 Essex, Boston, Mass.
Boston Rubber Shoe Co., 130 Essex, Boston, Mass.
Converse Rubber Shoe Co., Malden, Mass.
Goodyear Rubber Co. (Rubber), 539 Mission, San Francisco, Cal.
McLoughlin, Bundy & Sinsbaugh, 545 S Spring, Los Angeles, Cal.
National India Rubber Co., Bristol, R. I.
Shepherd J. D. Shoe Co., Great Lakes bldg, Chicago
Stall & Dean Mfg. Co. ("Stall & Dean"), Brockton, Mass.
U. S. RUBBER CO. ("Champion Keds," "Vacation."), 1790 B'way, New York
See adv index at end of book

13566—Shoes (Wagon & Sleigh)

Barber Mfg. Co., Ashtabula, O.
Cheney S. & Son, Manlius, N. Y.
Munnsville Plow Co., Munnsville, N. Y.

13567— Shoes (Wood Sole)

Riemer A. H. Shoe Co., 431 29th, Milwaukee, Wis.
Shepherd J. D. Shoe Co., Great Lakes bldg, Chicago
Stahmer F. J. Shoe Co., Davenport, Iowa

13568— Shoes (Wooden)

Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Fellrath John B. Co., Fond du Lac, Wis.
Novelty Wooden Shoe Co., Holland, Mich.

13568a— Shoes (Work)

Shepherd J. D. Shoe Co. (Safety & Special), Great Lakes bldg, Chicago

13569—Shoes & Dies (Stamp Mill)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Forge Works, 1428 13th, Denver, Colo.
American Steel Foundries, McCormick bldg, Chicago, Ill.
Chester Steel Castings Co., 407 Sansom, Phila., Pa., & Chester, Pa.
Chrome Steel Works (Adamantine), Chrome, N. J.
Colorado Iron Works Co., 3301 Wynkoop, Denver, Colo.
Denver Eng. Works Co., Denver, Col.
Gray Iron Fdry. Co., Reading, Pa.
Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.
Kennedy Van Saun Mfg. & Eng. Corp., 50 Church, New York
See adv index at end of book
National Steel Casting Co., Montpelier, Ind.
Pennington Geo. W. Sons, Inc. (Hammered), 1699 Montgomery, San Francisco, Cal.

13570— Shooks (Box)

Acme Box Co., 1401 W 21st pl, Chicago, Ill.
Acme Box Co., Omaha, Neb.
Acushnet Saw Mills Co., Acushnet, Mass.
Adkins E. S. & Co., Salisbury, Md.
Allegheny Box Co. (Exp.), 601 Byrd, Richmond, Va.
Alliger Box & Lumber Co., No. Tonawanda, N. Y.
American Box & Lumber Co., Norfolk, Va.
Anderson-Tully Co. (Gum & Cottonwood), N 2nd, Memphis, Tenn.
Andrews O. B. Co., Roosevelt & Belt Ry., Chattanooga, Tenn.
Anson Gilkey & Hurd Co. (Pine, Hemlock & Hardwood), Merrill, Wis.
Astoria Box Co. (Exp.), Astoria, Ore.
Atwood & McManus Box Co., Chelsea, Mass.
Badger Box & Lumber Co. (Exp.), Grand Rapids, Wis.
Bailey Lumber Co., Suncook, N. H.
Barnes E. H. Co., 61 B'way, New York
Bartlett Box & Lumber Co., Westboro, Mass.
Bath Box Co., Bath, Me.
Berkley Box & Lbr. Co., Norfolk, Va.
Biddleford Box Co., Biddleford, Me.
BOGERT & HOPPER, INC., 57 Barclay, New York *See adv index at end of book*
Bradley, Miller & Co. (White Pine, Hardwood or Basswood), Bay City, Mich.
Breault M. Co., Cohoes, N. Y.
Brown Co., Portland, Me.
Buffalo Box Factory (Exp.), Scoville, Buffalo, N. Y.
Buswell Lumber Co., Northwestern Bank bldg, Portland, Ore.
Cady George L. & Sons, Lowell, Mass.
California Oregon Lumber & Box Co., 112 Market, San Francisco, Cal.
California Pine Box & Lbr. Co., First Nat'l Bank bldg., San Francisco, Cal.
Carrier Lumber & Mfg. Co. (Gum), Sardis, Miss.
Carter J. A., Petersham, Mass.
Central Box & Lumber Co., 2339 Blanding av, Alameda, Cal.
Chaffee Bros. Co. (Exp.) (By Car Lots), Oxford, Mass.
Chapman & Dewey Lumber Co., Rialto bldg, Kansas City, Mo.
Cheney Frank P., Lowell, Mass.
Chicago Mill & Lumber Co., 500 N Dearborn, Chicago, Ill.
Church Lumber Co. (N. C. Pine Lumber), Ronda, N. C.
Cohn & Bock Co., Princess Anne, Md.
Columbia Box & Lumber Co., South Bend, Wash.
Conant F. R. Co., Auburn, Me.
Consumers' Box Mfg. Co., 925 N Halsted, Chicago, Ill.
Cottage Grove Mfg. Co., Cottage Grove, Ore.
Crosman G. A. & Sons Co., Deering Gate, Portland, Me.
Davis Henry D. Lumber Co., Northwest Bank bldg, Portland, Ore.
Dent & Russell Inc., Northeastern Bank bldg, Portland, Ore.
Dodge & Bliss Co., W. End, Jersey City, N. J.
Duker J. H. Box Co., Aliceanna cor Eden, Baltimore, Md.
Dunning J. H. Corp. (Pine, Spruce, Hemlock, etc.), 53 Park Place, New York
Dwight Lumber Co., 260 California, San Francisco, Cal.
East Brooklyn Box Co. (Yellow Pine, Poplar & Gum), East Brooklyn, Md.
Eastman-Gardiner & Co., Laurel, Miss.
Ellington & Guy (Va. Sap Pine), 611 Times-Dispatch bldg, Richmond, Va.
Ellis E. W. Lumber Co., Grand Rapids, Wis
ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*
Fenton & Sons, Box & Lumber Co., North Tonawanda, N. Y.
Fidalgo Lumber & Box Co. (Exp.), Anacortes, Wash.
Forrester-Nace Box Co., 8th & Wyoming, Kansas City, Mo.
Friedlander Box Co., 1300H W Lake, Chicago, Ill.
Gale Conrad H., Tulley, Mass.
Gibson G. N. & Sons, West Stockholm, N. Y.
Goodwillie Bros. (Pine & Basswood, Hemlock & Hardwood), 10 La Salle, Chicago, Ill.
Gray's Harbor Commercial Co. (Spruce), ft. of 3rd, San Francisco, Cal.
Great Western Lumber Co., 263 Market, San Francisco, Cal.

(Continued on following page)

Shooks (Box)—Continued

Great Western Lumber Co., Leavenworth, Wash.
Green A. H. Co., 103 Park av, New York
Green Bros. Box & Lumber Co., Rockford, Ill.
Griggs D. B. & Sons, Chicopee Falls, Mass.
Hahn J. N. Co., Cuyahoga & W 3d, Cleveland, O.
Handy Bros., Bay City, Mich.
Harbor Box & Lumber Co., 1430 S. Alameda, Los Angeles, Cal.
Harroun J. E. & Son, Watertown, N. Y.
Hasty J. F. & Sons, 21st & Standish, Detroit, Mich.
Hedlund Box & Lumber Co., Stone & E B'way, Spokane, Wash.
Heidt C. & Son, 64 Fairmount av, Jersey City, N. J.
Himmelberger-Harrison Lumber Co. (Gum, Oak. etc), Morehouse, Mo.
Holston Box & Lumber Co. (Tenn. Yellow Poplar), Mitchell, Knoxville, Tenn.
Hoquiam Sash & Door Co., Hoquiam, Wash.
Hutton & Bourbonnais Co., Hickory, N. C.
Jeffreys-Spaulding Mfg. Co., Chase City, Va.
Jordan Lumber Co., Old Town, Me.
Kaiser John H. Lumber Co., Eau Claire, Wis.
King-Ryder Lumber Co., Bonami, La.
Kress F. J. Box Co. (Shooks & Cratings), 2930 Liberty av, Pittsburgh, Pa.
Lansing Co. (Gum & Cottonwood), Lansing, Mich.
Lassen Lumber & Box Co., Monadnock bldg., San Francisco, Cal.
Lawrence Lumber Co., Lawrence, Mass.
Lea David M. & Co. (Pine), 1923 E Main, Richmond, Va.
Lindermann Box & Veneer Co., Eau Claire, Wis.
Long-Bell Lumber Co. (Yellow Pine), Kansas City, Mo.
Los Angeles Lumber Products Co., San Pedro, Cal.
McFerson & Foster Co. (Cottonwood, Poplar & Gum), 9th av & Franklin, Evansville, Ind.
MacDonald & Harrington, 16 California, San Francisco, Cal.
Macon Box Co., 6th & Acmulgee, Macon, Ga.
Marinette & Menominee Box Co. (White Pine Shooks & Crates, in Carload Lots), Marinette, Wis.
Marquette Box & Lumber Co. (Pine, Hemlock, Birch, Maple, etc), Marquette, Mich.
Melendy C. F., Nashua, N. H.
Mershon Eddy Parker Co. (Exp.), Saginaw, Mich.
Michigan Truck & Lumber Co. (Exp.), Holly, Mich.
Miller Box Mfg. Co., 201 N av 18, Los Angeles, Cal.
Miller Lumber Co., Marianna, Ark.
Moore & McFerren (Gum & Cottonwood), Wolf River, Memphis, Tenn.
Morrison Mill Co., Bellingham, Wash.
New England Box Co., 104 E 42nd, New York
Newman J. J. Lumber Co. (Gum, Poplar & Pine), Traders' Bank bldg, Scranton, Pa.
Nickless W. H., Bay City, Mich.
Nordby Lumber & Box Co., Couch bldg.
Northern Pine Crating Co. (Crating Shooks), Cass Lake, Minn.
Oakland Box Factory, 5th & Oak, Oakland, Cal.
Oregon Box & Mfg. Co., 1144 MacAdams, Portland, Ore.
Osgood & Blodgett Mfg. Co., Duluth av & E 7th, St. Paul, Minn.
Page Geo. G. Box Co., Cambridge, Mass.
Paine Lumber Co. (Ltd.), Oshkosh, Wis.
Parsons Mfg. Co., Chelsea, Mass.
Peirce W. E. & Co., Milford, N. H.
Peninsular Box & Lumber Co., Menominee, Wis.
Peshastin Lumber & Box Co., Peshastin, Wash.
Pierpont Mfg. Co. (Shooks & Crates), Savannah, Ga.
Pine Box Co., Grants Pass, Ore.
Pingree D. W. Co., Lawrence, Mass.
Presbrey A. A. & Son Co., Summer, Providence, R. I.
Prescott Frauk R., Meredith, N. H.
Rathborne, Hair & Ridgway Co., 2279 S Union av, Chicago, Ill.
Red River Lumber Co. (Pine), 807 Hennepin av, Minneapolis, Minn.
Rice H. H. Co., South Athol, Mass.
Richards O. S., Inc., 87 34th, Brooklyn, N. Y.
RICHARDS SHOOK CORP., 23 W 44th, New York
See adv index at end of book
Rittler Box Co., 609 S Caroline, Baltimore, Md.
Rochester Box & Lumber Co., H Culver rd, Rochester, N. Y.
Rome Box & Lumber Co., Dept H, Rome, N. Y.
Rust-Owen Lumber Co. (Wisconsin Cork Pine), Drummond, Wis.
Sacramento Planing Mill & Furniture Co., Sacramento, Cal.
Sacramento Timber & Box Co., 268 Market, San Francisco, Cal.
Saginaw & Manistee Lumber Co., Williams, Arizona
St. Croix Paper Co., 244 Washington, Boston, Mass.
Sedro Box & Veneer Co., Sedro Woolley, Wash.
Seler Mill Co. (Spruce), Raymond, Wash.
Soper Lumber Co. (Pine, Hemlock, etc.), 2204 Loomis, Chicago, Ill.
Spaulding Chas. K. Logging Co., Northwestern Bank bldg., Portland, Ore.
Stevens Point Box & Lbr. Co., Stevens Point, Wis.
STILES H. A. & CO., 166-174 Portland, Boston, Mass.
See adv index at end of book
Stone R. B. & Co. (Exp.), Spencer, Mass.
Superior Box Co., Superior, Wis.
Surry Lumber Co. (N. C. Pine, Poplar & Gum), Union Trust bldg, Baltimore, Md.
Swayne Lbr. Co., Oroville, Cal.
Tarter Webster & Johnson Inc., First Nat'l Bank bldg., San Francisco, Cal.
Thompson G. A. & Sons, Hurlock, Md.
Treworgy Charles J., Ellsworth Falls, Me.
United Box & Lumber Co., Rochester, N. H.
Vance E. J. Box Co. (Ltd.), (Exp.), Bay City, Mich.
Verdi Lumber Co., Verdi, Nev.
Ward-Kent Co. (Gum), Greenfield, Tenn.
Warlick Lbr. Co., Gilkey, N. C.
Wausau Box & Lumber Co., Wausau, Wis.
Western Pine Mfg. Co., Ltd., Astor & Jackson, Spokane, Wash.
White, Gratwick & Mitchell, No. Tonawanda, N. Y.
Wilson Lumber & Box Co., Tonawanda, N. Y.
Wing-Engel Box Co., Old Town, Me.
Wood E. K. Lumber Co., 1 Drumm, San Francisco, Cal.
Woodstock Mfg. Co., Dept. H, Rochester, N. Y.

13571—Shooks (Tub, Bucket, Etc.)

Hamlen J. H. & Son, Masonic bldg, Portland, Me.
Langeland Mfg. Co. (Box), Muskegon, Mich.
Rochester Box & Lumber Co., H Culver rd, Rochester, N. Y.

13572—Shooting Galleries (Mechanical)

Mangels Wm. F. Co. (Steel), 2863 W 8th, Brooklyn, N. Y.
Mueller F. C. & Co., 1702 N Western av, Chicago, Ill.
Parker C. W., Leavenworth, Kans.

13573—Shooting (Oil & Gas Well)

Am. Glycerin Co., Dept. H, Wilmington, Del.
Marietta Torpedo Co., Dept. H, Marietta, Ohio
Ohio Torpedo Co., Steubenville, O.

13574— Shot (Copper)

American Boron Products Co., Inc. (Boronic), Reading, Pa.
American Oil & Supply Co. (For Mfg. Jewelers), 238 Wilson av, Newark, N. J.

13575— Shot (Lead)

American Smelters Securities Co., 201 1st, San Francisco, Cal.
Bailey Farrell Mfg. Co., S. 20th & Sidney, Pittsburgh, Pa.
Euston Process Co. (Buck Shot & Lead Bullets), 500 Pennsylvania av, Scranton, Pa.
Hoyt Metal Co., Boatmens' Bank bldg, St. Louis, Mo.
Lawrence Shot & Lead Co., Omaha, Neb.
Raymond Lead Co., 735 S Washtenaw av, Chicago, Ill.
Selby Smelting Works, (Drop, Chilled, etc), 201 1st, San Francisco, Cal.
Sperry D. R. & Co. (Black Finish), Batavia, Ill.
United Lead Co. ("Tatham's"), 111 B'way, New York

13575a— Shot (Monel Metal)

Eagle Brass Foundry Co., 21 Spokane, Seattle, Wash.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Pacific Foundry Co., Harrison & 18th, San Francisco, Cal.
Schwartz Mill Sup. Co., Inc., Edward, 520 Toulouse, New Orleans, La.
Steel Sales Corp., 129 S. Jefferson, Chicago, Ill.
Tull Rubber & Sup. Co., J. M., 150 Marietta, Atlanta, Ga.
Whitehead Metal Products Co., 67 Washington N, Boston, Mass.
Whitehead Metal Products Co. of New York, Inc., 261 Canal, New York
Williams & Co., Inc., 901-937 Penna. av, Pittsburgh, Pa.

13576— Shot (Nickel)

Am. Nickel Corp., Clearfield, Pa.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
International Nickel Co. (High or Low Carbon), 67 Wall, New York
Philipp Bros., Inc., 233 Broadway, New York
Steel Sales Corp., 129 S Jefferson, Chicago, Ill.
United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.
United States Nickel Co., New Brunswick, N. J.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*
Williams & Co. Inc., 901-937 Penna. av, Pittsburgh, Pa.

13577— Shot (Steel Chilled)

Globe Steel Abrasive Co. ("Globe" & "H. C." Shot), Mansfield, O.
Harrison Supply Co. ("New Process"), 5 Dorchester Ext., Boston, Mass.
Pittsburgh Crushed Steel Co. ("Samson"), Dept H, 61st & A. V. R.R., Pittsburgh, Pa
Townsend, Townsend & Co. (Importers), 453 W 21st, New York

13578—Shot (Steel, Sand Blast)

Bowers R. C. Granite Co., Montpelier, Vt.
Globe Steel Abrasive Co. ("Globe" Chilled Steel), Mansfield, O.
Pittsburgh Crushed Steel Co. ("Samson"), Dept H, 61st & A. V. R. R., Pittsburgh, Pa.

13579— Shot (Throwing)

Sperry D. R. & Co. (Black Finish), Batavia, Ill.

13580—Shovel, Spade & Scoop Mfrs.

See also Shovel & Spade Manufacturers
(Names with * also manufacture Monel Metal)

American Mfg. Co. ("Panama," "Suez," "Erie," "Handy-Andy"), Chestnut & Water, Chattanooga, Tenn.
American Shovel & Stamping Co., Lorain, O.
Ames Shovel & Tool Co., Ames bldg, Boston, Mass.
Baldwin Tool Works (Vanadium), Parkersburg, W. Va.
Beall Bros., Alton, Ill.
Belknap John A., Anamosa, Ia.
Central Stamping Co. (Family Grocer Scoops), 206 B'way, New York
Collins Co., Collinsville, Conn.
Colonial Supply Co. (Shovels), 217 Water, Pittsburgh, Pa.
See adv index at end of book
Conneaut Shovel Co. ("Magyar," "Mik Kola," "Ronberg"), Conneaut, O.
Griffiths Geo. Co., Cheltenham rd, Phila., Pa.
Hubbard & Co., ("Hubbard," "Wier," "Buck," "Rankin," "Wilson"), 63rd & Butler, Pittsburgh, Pa.
Indiana Rolling Mill Co., New Castle, Ind.
Indiana Shovel Co., New Castle, Ind.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Jackson Shovel & Tool Co., Montpelier, Ind.
Jesup F. W. & Co., Inc., 90 W B'way, New York
Kaufman E. & Co., 143 Liberty, New York
***Liberty Coppersmithing Co., Phila., Pa.**
McCarty J. C. ("Skelton" Shovels), 29H Murray, New York
Maynard C. A., Northampton, Mass.
***Myers Shovel Co., H. M., Beaver Falls, Pa.**
Neal B. B. Hardware Co. ("Yankee toothed"), 235 Canal, New York
Ohio Shovel & Stamping Co. ("Bull Frog" Brand), Dover, O.
Osborn Mfg. Co. (Coal Shovels), 5401 Hamilton av, Cleveland, O.
Pfeifer Jno. & Co. (Ltd.), 222 Race, Phila., Pa.
Pittsburgh Gage & Supply Co. (Jobbers "Best-Ov-all," Contractors'), 30th & Liberty av, Pittsburgh, Pa.
Pittsburgh Shovel Co., Oliver bldg, Pittsburgh, Pa. Works: Leechburg, Pa.
Rittenhouse J. F. Mfg. Co. ("Little Giant"), Liberty Mills, Ind.
Rochester Can Co., ("Iron Horse" coal ash, snow, barn), 89 Hague, Rochester, N. Y.
***Schaefer Co., Emil, 1320 N 5th, Phila., Pa.**
***Sholes, Inc., 186 Lafayette, New York**
Sommer John Faucet ("Malt" Wood Shovels & "Grain" Wood Scoops), 355 Central av, Newark, N. J.
Stevens-Webb Co. Inc., Altoona, Pa.
Swineford G. A. Co., Canton, O.
Union Furnace Mfg. Co., Union Furnace, Pa.
Waynesburg Pressed Steel Co., Waynesburg, Pa.
Wood Shovel & Tool Co., Piqua, Ohio
Wyoming Shovel Works, Wyoming, Pa.

13581— Shovels (Bakers')

Conneaut Shovel Co., Conneaut, O.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Jesup F. W. & Co., Inc., 90 W B'way, New York
Pittsburgh Shovel Co., Oliver bldg, Pittsburgh, Works: Leechburg, Pa.

Watkins Jas. Y. & Son, 20 Catherine, New York
Wood Shovel & Tool Co., ("Wood" "Stewart" "Wilson" "Piqua" "Wood Special" "H. K. Woods Mo-lyb-den-um"), Piqua, Ohio.

13582— Shovels (Brick)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

13583— Shovels (Cinder)

Conneaut Shovel Co. ("Conneaut"), Conneaut, O.
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Jesup F. W. Inc., 90 W B'way, New York
Lalance & Grosjean Mfg. Co. ("Cottage" Japanned), 299 B'way, New York
Pittsburgh Shovel Co., Oliver bldg, Pittsburgh, Pa.
Wood Shovel & Tool Co. ("Wood," "Stuart," "Wilson," "Piqua," "Wood Special," "H. K. Woods Mo-lyb-den-um"), Piqua, Ohio.

Shovels (Coal)

See Shovel, Spade & Scoop Mfrs.

13584— Shovels (Concrete)

Conneaut Shovel Co. ("Mikkola" Patent "Ronberg"), Conneaut, O.
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Jesup F. W. Inc., 90 W B'way, New York
Neal B. B. Hardware Co. ("Yankee-toothed"), 235 Canal, New York
Pittsburgh Shovel Co., Oliver bldg, Pittsburgh, Pa.
Wood Shovel & Tool Co. ("Wood," "Stuart," "Wilson," "Piqua," "Wood Special," "H. K. Woods Mo-lyb-den-um"), Piqua, Ohio

13585— Shovels (Cultivator)

Albright Jas. H. & Sons, Mifflinburg, Pa.
Allen S. L. & Co. ("Planet, Jr."), 5th & Glenwood, Phila., Pa.
American Shovel & Stamping Co., Lorain, Ohio
Avery B. F. & Sons, Louisville, Ky.
Case J. I. Plow Works, Racine, Wis.
Crescent Forge & Shovel Co., Havana, Ill.
Gale Mfg. Co., Albion, Mich.
Hench & Dromgold Co., York, Pa.
Madison Plow Co., Madison, Wis.
Mason F. C. & Co., St. Johns, Mich.
Noll Bros., 849 Allis, Milwaukee, Wis.
Ohio Cultivator Co., Bellevue, O.
Pittsburgh Shovel Co., Oliver bldg, Pittsburgh, Pa.
Star Mfg. Co., Carpentersville, Ill.

13585a— Shovels (Dirt)

Carpenter Geo. B. & Co., 434 N Wells, Chicago
See adv index at end of book
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Osborn Mfg. Co., 5401 Hamilton av, Cleveland, O.
Pittsburgh Shovel Co., Oliver bldg, Pittsburgh, Pa.
Wood Shovel & Tool Co., ("Wood," "Stuart," "Wilson," "Piqua," "Wood," Special," "H. K. Woods Mo-lyb-den-um"), Piqua, Ohio

13586—Shovels (Electric Power)

Bucyrus Co., South Milwaukee, Wis.
Erie Steam Shovel Co., Erie, Pa.
Marion, O.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago
See adv index at end of book
Thew Shovel Co., Dept. H, Lorain, O.

13587— Shovels (Fire)

AMERICAN CAN CO., 120 Broadway, New York. *See adv index at end of book*
Central Stamping Co., 206 B'way, New York
Crunden-Martin Mfg. Co. (Galvanized & Japanned), 2d & Gratiot, St. Louis, Mo.
Fanner Mfg. Co., Cleveland, O.
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Jesup F. W. & Co., Inc., 90 W B'way, New York
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Metal Package Corp. of N. Y., 509 5th av, New York *See adv index at end of book*
National Enameling & Stamping Co., 411 5th av, New York
New York Stamping Co. ("Edger's"), N 11th & Berry, Brooklyn, N. Y.
Pittsburgh Shovel Co., Oliver bldg, Pittsburgh, Pa.
Republic Metalware Co., 100 Alabama, Buffalo, N. Y.
Rochester Can Co. ("Iron Horse" Railroad & Traction), 39 Hague, Rochester, N. Y.
Stover Mfg. & Engine Co., Freeport, Ill.
Union Furnace Mfg. Co., Union Furnace, Pa.
Wheeling Corrugating Co., Wheeling, W. Va.
Wood Shovel & Tool Co., "Wood," "Stuart," "Wilson," "Piqua," "Wood Special," "H. K. Woods Mo-lyb-den-um"), Piqua, Ohio

13588—Shovels (Gasoline for Power)

Bay City Dredge Works, Bay City, Mich.
Bucyrus Co., Dept H, South Milwaukee, Wis.
Ellicott Machine Corp., 1111 Bush, Baltimore, Md. *See adv index at end of book*
Fairbanks Steam Shovel Co., Marion, O.
Koehring Company, 31st & Concordia av, Milwaukee, Wis.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago
See adv index at end of book
Marion Steam Shovel Co., P O Box 505, Marion, O.
Pawling & Harnischfeger Co., Milwaukee, Wis. *See adv index at end of book*
Stockton Iron Works, Lindsay & Harrison, Stockton, Cal.

Shovels (Irrigating)

See Shovels & Spades (Drain & Tiling)

13589— Shovels (Lime)

American Mfg. Co., Chestnut & Water, Chattanooga, Tenn.
Conneaut Shovel Co., Conneaut, O.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Indiana Shovel Co., New Castle, Ind.
Jesup F. W. & Co., Inc., 90 W B'way, New York
Kaufman E. & Co., Inc., 143 Liberty, New York
Pfeifer Jno. & Co. (Ltd.) (Cast Steel), 222 Race, Phila., Pa.
Wood Shovel & Tool Co., ("Wood," "Stuart," "Wilson," "Piqua," "Wood Special," "H. K. Woods Mo-lyb-den-um"), Piqua, Ohio

13590—Shovels (Mining Machine)

American Mfg. Co., Chestnut & Water, Chattanooga, Tenn.
Beall Bros., Alton, Ill.
Conneaut Shovel Co. ("Magyar Unions"), Conneaut, O.
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Indiana Shovel Co., New Castle, Ind.
Jackson Shovel & Tool Co., Montpelier, Ind.
Jesup F. W. & Co., Inc., 90 W B'way, New York
Kaufman E. & Co., Inc., 143 Liberty, New York
Marion Steam Shovel Co., P O Box 505, Marion, O.
Myers-Whaley Co., Knoxville, Tenn.
Pfeifer Jno. & Co. (Ltd.), 222 Race, Phila., Pa.
Union Furnace Mfg. Co., Union Furnace Pa.
Wood Shovel & Tool Co., ("Wood," "Stuart," "Wilson," "Piqua," "Wood Special," "H. K. Woods Mo-lyb-den-um"), Piqua, Ohio

13591— Shovels (Moulders')

American Mfg. Co., Chestnut & Water, Chattanooga, Tenn.
American Shovel & Stamping Co., Lorain Ohio
Beall Bros., Alton, Ill.
Conneaut Shovel Co., Conneaut, O.
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Indiana Shovel Co., New Castle, Ind.
Jackson Shovel & Tool Co., Montpelier, Ind.
Jesup F. W. & Co., Inc., 90 W B'way, New York
Kaufman E. & Co., Inc., 143 Liberty, New York
Ohio Shovel & Stamping Co., Dover, Ohio
Osborn Mfg. Co., 5401 Hamilton ave, Cleveland, O.
Pfeifer Jno. & Co. (Ltd.), 222 Race, Phila., Pa.
Pittsburgh Shovel Co., Oliver bldg, Pittsburgh. Works: Leechburg, Pa.
Stevens Frederic B., Inc., 3rd & Larned, Detroit, Mich.
See adv index at end of book
Wood Shovel & Tool Co., ("Wood," "Stuart," "Wilson," "Piqua," "Wood Special," "H. K. Woods Mo-lyb-den-um"), Piqua, Ohio
Woodison F. J. Co., 1621 St. Aubin, Detroit, Mich.

13591a— Shovels (Ore)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

13592—Shovels (Power, Grain)

Barnard & Leas Mfg. Co., 403-20th, Moline, Ill.
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Great Western Mfg. Co., Leavenworth, Kans.
Kaufman E. & Co., Inc., 143 Liberty, New York
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Il.
See adv index at end of book
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book
Weller Mfg. Co., 1856 N Kostner, Chicago, Ill.
Wolf Co. ("Clark" Automatic), Chambersburg, Pa.

13593— Shovels (Sewer)

American Mfg. Co., Chestnut & Water, Chattanooga, Tenn.
Carpenter Geo. B. & Co., 434 N Wells, Chicago
See adv index at end of book
Conneaut Shovel Co. (D & Long Handle, Round Point), Conneaut, O.
Erie Steam Shovel Co. (Revolving Steam), Erie, Pa.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Jesup F. W. & Co., Inc., 90 W B'way, New York
LINK-BELT COMPANY, 300 W Pershing rd, Chicago
See adv index at end of book
Pittsburgh Shovel Co., Oliver bldg, Pittsburgh, Pa.
Wood Shovel & Tool Co., ("Wood," "Stuart," "Wilson," "Piqua," "Wood Special," "H. K. Woods Mo-lyb-den-um"), Piqua, Ohio

13594— Shovels (Sink)

Brown W G. Mfg. Co., Kingston, N. Y.
Hamblin & Russell Mfg. Co., Worcester, Mass.

13595— Shovels (Snow)

Aldrich B. W. & Co. ("Adams," "Hoadley," "Popular"), Wallingford, Vt.
American Shovel & Stamping Co. (Steel), Lorain, O.
Beall Bros., Alton, Ill.
Buffalo Metal Furniture Mfg. Co. (Steel & Galvanized), Buffalo, N. Y.
Combination Ladder Co., 381 Fountain, Providence, R. I.
Hills Edwin, Plainville, Conn.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Indiana Shovel Co., New Castle, Ind.
Jackson Shovel & Tool Co., Montpelier, Ind.
Jesup F. W. & Co., Inc., 90 W B'way, New York
Kaufman E. & Co., Inc., 143 Liberty, New York
Kohler F. E. Co., Canton, O.
Ohio Shovel & Stamping Co., Dover, Ohio
Owosso Mfg. Co. (Galvanized Steel Blade also Wood), Owosso, Mich.
Pfeifer Jno. & Co. (Ltd.), 222 Race, Phila., Pa.
Pittsburgh Shovel Co., Oliver bldg, Pittsburgh, Pa.
Prentice F. W. & Co., Adrian, Mich.
Rittenhouse J. F. Mfg. Co. ("Little Giant"), Liberty Mills, Ind.
Rochester Can Co., 39 Hague, Rochester, N. Y.
Rugg Mfg. Co., Greenfield, Mass.
Swineford G. A. Co. (Seamless, Flat & Hollow Back), Canton, O.

13596— Shovels (Steam)

See also Buckets, Clam Shell, Etc.
Browning Co., E 162d & Waterloo rd, N. E., Cleveland, O.
Bucyrus Co. ("Atlantic," "Bucyrus" & Also Electric), South Milwaukee, Wis.
Duncan (The) Co., 508 Water, Toledo, O.
Erie Steam Shovel Co. (Revolving), Erie, Pa.
Fairbanks Steam Shovel Co., Marion, O.
Green L. A., First National Bank bldg, Pittsburgh, Pa.
Hunt C. W. Co., West New Brighton, N. Y.
See adv index at end of book
Jesup F. W. & Co., Inc., 90 W B'way, New York
KEYSTONE DRILLER CO., ("Keystone"), Beaver Falls, Pa.
See adv index at end of book
KLEINHANS H. CO (Second Hand), Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Koehring Company, 31st & Concordia av, Milwaukee, Wis.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago
See adv index at end of book
Luther Frederick P. Co., 14 E Jackson blvd, Chicago, Ill.

(Continued on following page)

Shovels (Steam)—Continued

McMyler-Interstate Co., Cleveland, O.
See adv index at end of book
Marion Steam Shovel Co., P O Box 505, Marion, O.
Meyer Henry H. Co. (Dirs.), 110 S Howard, Baltimore. Md.
See adv index at end of book
Osgood Co. (and Compressed Air), Marion, Ohio
Pittsburgh Shovel Co., Oliver bldg, Pittsburgh, Pa.
Roanoke Iron Works, Roanoke, Va.
Thew Shovel Co., Dept. H, Lorain, O.
Toledo Foundry & Machine Co. ("Victor"), Toledo, O.
Wood Shovel & Tool Co. The, Piqua, O.

13597—Shovels (Steam, Second-Hand)

Apex Equipment Co., 63 Wall, New York
KLEINHANS H. CO., Union Trust bldg., Pittsburgh, Pa.
See adv index at end of book
Males Co., 2226 Fulton av, Cincinnati, O.
Mitshkun M. Co., 985 Dix, Detroit, Mich.
Sherwood E. C., 50 Church, New York
SOUTHERN IRON & EQUIPMENT CO., Atlanta, Ga.
Torbert A. C. Equipment Co., 208 S La Salle, Chicago, Ill.
Warner P. B., Sedamsville, Barkley av & Liston, Cincinnati, O.
Watson Jno. B., 254 Dickinson, Phila., Pa.
Zelnicker Walter A. Supply Co. (Dealer), 325 Locust, St. Louis, Mo.

13598— Shovels (Tamping)

Conneaut Shovel Co., Conneaut, O.
Jesup F. W. & Co., Inc., 90 W B'way, New York
Pittsburgh Shovel Co., Oliver bldg, Pittsburgh, Pa.
Wood Shovel & Tool Co., ("Wood," "Stuart," "Wilson," "Piqua," "Wood Special," "H. K. Woods Mo-lyb-denum"), Piqua, Ohio

13599— Shovels (Telegraph)

See Also Spoons, Digging

Beall Bros., Alton, Ill.
Columbus Handle & Tool Co. (Post Hole, Reinforced Handle), Columbus, Ind.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Indiana Shovel Co., New Castle, Ind.
Jackson Shovel & Tool Co., Montpelier, Ind.
Jesup F. W. & Co., Inc., 90 W B'way, New York
Kaufman E. & Co., Inc., 143 Liberty, New York
Pfeifer Jno. & Co. (Ltd.), 222 Race, Phila., Pa.
Pittsburgh Shovel Co., Oliver bldg, Pittsburgh, Pa. Works: Leechburg, Pa.
Union Furnace Mfg. Co., Union Furnace, Pa.
Wood Shovel & Tool Co., ("Wood," "Stuart," "Wilson," "Piqua," "Wood Special," "H. K. Woods Mo-lyb-denum"), Piqua, Ohio

13599a— Shovels (Track)

Crerar, Adams & Co., ("Crerar" Jobbers), 259 W Erie, Chicago, Ill.
Frick & Lindsay (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Wood Shovel & Tool Co., ("Wood," "Stuart," "Wilson," "Piqua," "Wood Special," "H. K. Woods Mo-lyb-denum"), Piqua, Ohio

13600—Shovels & Spades (Drain & Tiling)

American Mfg. Co., Chestnut & Water, Chattanooga, Tenn.
Ames Shovel & Tool Co., Ames bldg, Boston, Mass.
Boss Tile Spade Co., Anamosa, Ia.
Farmers' Cement Tile Machine Co., St. Johns, Mich.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Indiana Shovel Co., New Castle, Ind.
Iwan Bros. ("Iwan's" Open Back & Skeleton), South Bend, Ind.
Kaufman E. & Co., Inc., 143 Liberty, New York
Ohio Shovel & Stamping Co., Dover, Ohio
Osmundson Spade Mfg. Co. ("King"), Perry, Iowa
Pittsburgh Shovel Co., Oliver bldg, Pittsburgh, Pa.
Wood Shovel & Tool Co., Piqua, Ohio

Show Card Colors

See Inks (Show Card)

13601— Show Cases

American Show Case Co., 289 Greenpoint av, Brooklyn, N. Y.
Ammann Mfg. & Construction Co., 155 av D, New York
Atlanta Show Case Co., Atlanta, Ga.
Barlow Co., Holyoke, Mass.
Bisle, Chas. F. & Sons Co., 381 W 12th, New York
Blitz Bros., ("Quality Shop"), 5935 Lowe, Chicago, Ill.
Bodach Chas. & Sons, 314 S Franklin, Chicago, Ill.
Bryan Show Case Co. (Also Bread Cases), Bryan, O.
Cederquist Show Case & Fixture Co., 421 Colyton, Los Angeles, Cal.
Claus A. Mfg. Co., 5701 Walworth av, Cleveland, O.
Columbus Show Case Co. (Also All Glass), 423 N Grant av, Columbus, O.
Commercial Fixture Co., 914 S Alameda, Los Angeles, Cal.
Cowan Show Case & Fixture Co., 327 N San Pedro, Los Angeles, Cal.
Cox S. S. Show Case Co., N Manchester, Ind.
Dallas Show Case & Mfg. Co., Dallas, Tex.
Decatur Fountain Co., Decatur, Ill.
Detroit Show Case Co. ("Silent Salesman"), 1654 W Fort, Detroit, Mich.
Detroit Store Fixture Co., 16 Catharine, Detroit, Mich.
Diamond Show Case Co., 2210 Superior, N W, Cleveland, O.
Donn Mfg. Co., 920 S 1st, San Jose, Cal.
Duluth Show Case Co., Duluth, Minn.
Dutch A. & Co., 148 Seneca, Buffalo, N. Y.
Ehrlich, H. & Sons Mfg. Co., St. Joseph, Mo.
Fink & Schindler Co., 228H 13th, San Francisco, Cal.
Fox Z. F. & Son, Freeport, Mich.
Fresno Show Case & Fixture Co., 1805 Anna, Fresno, Cal.
Friedland B. Co., 281 Butler, Brooklyn, N. Y.
Ganter F. X. Co., c Sharp & Ostend, Baltimore, Md.
Geissler Chas. C., 62 N 4th, Phila., Pa.
Grand Rapids Hand Screw Co., Grand Rapids, Mich.
Grand Rapids Show Case Co., Grand Rapids, Mich.
Hamburger E. & Co., 139 Emerson pl, Brooklyn, N. Y.
Hill C. V. & Co. (Refrigerated), 360H Pennington, Trenton, N. J.
Himmel M. L. & Son ("Brilliant Ideal"), 113 Gay, Baltimore, Md.
Houston Show Case & Mfg. Co., Houston, Tex.
Huck Mfg. Co., Quincy, Ill.
Huesman, Harry L. Refrigerator Co., 911 N. B'way, St. Louis, Mo.
Illinois Show Case Works (Inc.), 1218 N Wells, Chicago, Ill.
Inland Fixture Co., N 2924 Martin, Spokane, Wash.
Jackson A. R. Kansas City Show Case Works Co., 620 E 3rd, Kansas City, Mo.
Jones James H. S., 39 William, Bridgeport, Conn.
Jorgeson F. C. & Co., 159 N Ann, Chicago, Ill.
Kawneer Co., (Metal), 1226 Front, Niles, Mich.
Knittel Joseph Show Case Co., Quincy, Ill.
Kom-packed Show Kase & Kabinet Co., San Jose, Cal.
Krotzer & Olin, 547 4th, San Diego, Cal.
Lutke Mfg. Co., 760 E 22nd, Portland, Ore.
Lyons Hugh & Co., Lansing, Mich.
McLean W. B. Mfg. Co., 729 Herron av, Pittsburgh, Pa.
Mallander Co., Waco, Texas
Marshall James I. Mfg. Co., 450-52 Hoyt, Portland, Ore.
Murray Cabinet & Show Case Co., 1225 E, Fresno, Cal.
National Show Case Co., Columbus, Ga.
National Show Case Co., 154 W 14th, New York
National Show Case & Fixture Co., 223 E 9th, Los Angeles, Cal.
Northey Mfg. Co. (Refrigerated), Waterloo Iowa
Pasadena Show Case & Fixture Co., 24 Mercantile pl., Pasadena, Cal.
Peterson Show Case & Fixture Co., 5700 S San Pedro, Los Angeles, Cal.
Pick Albert & Co., 212 W Randolph, Chicago, Ill.
Phoenix Sliding Blind Co., Phoenix, N. Y.
Pursell Cabinet Co., 926 Irvington av, Huntington Park, Cal.
Pynn & Cameron, Boston, Mass.
Quincy Show Case Works, Quincy, Ill.
Reinle Salmon Co., Warner & Ostend, Baltimore, Md.
Rochester Show Case Works, Rochester, N. Y.
Royal Show Case Co., 759 McAllister, San Francisco, Cal.
Russell A. N. & Sons Co., Ilion, N. Y.
Saginaw Show Case Co., Ltd., Saginaw, Mich.
Schiefer & Sons, Eighth & J, San Diego, Cal.
Segale Mfg. Co. (All Glass), 68 E Spring, Columbus, O.
Shaw Show Case Co., 235 5th N, Seattle, Wash.
Snead & Co., Jersey City, N. J.
Spokane Woodworking Co. Inc., 1303 N Atlantic, Spokane, Wash.
Statesville Show Case Co., Statesville, N. C.
Storandt J. W. Mfg. Co., Rochester, N. Y.
Strauss Wm., 416 Arch, Phila., Pa.
Sun Mfg. Co., Columbus, O.
Vernon Fixture & Cabinet Co., Audrey & St. Charles, Los Angeles, Cal.
Waddell Co., Greenfield, O.
Walrus Mfg. Co., Decatur, Ill.
Washburn Williams & Co., Scranton, Pa.
Weber Show Case & Fixture Co. ("Diamond Patent"), 440 Seaton, Los Angeles, Cal.
Western Fixture & Show Case Co., 716 McAllister, San Francisco, Cal.
Western Show Case & Fixture Co., 931 E 31st, Los Angeles, Cal.
Whitcomb Cabinet Co., 14th & Chestnut, Kansas City, Mo.
Wilmarth Show Case Co., Grand Rapids, Mich.
Winter Co., Sheboygan, Wis.
Wolf, Sayer & Heller ("Sayer" Butchers' Show Cases), Fulton & Peoria, Chicago, Ill.
Wohlman Mfg. Co., Inc., 4800 Santa Fe av, Los Angeles, Cal.

Shrapnel Mfrs.

See Ammunition; also Shells; also Projectiles, Steel

13602— Shredders (Bark)

Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

13602a— Shredders (Cane)

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Gruendler Patent Crusher & Pulverizer Co., 982 N Main, St. Louis, Mo.
See adv index at end of book
Honolulu Iron Works Co., 233 Broadway, New York
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
MITTS & MERRILL, 1939 So Water, Saginaw, Mich.
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

13603— Shredders (Chip)

ABBE PAUL O., INC. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Getz M. & Co., 162 First, San Francisco, Cal.
Gruendler Patent Crusher & Pulverizer Co., 982 N Main, St. Louis, Mo.
See adv index at end of book
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
MITTS & MERRILL, 1939 So. Water, Saginaw, Mich.
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

13604—Shredders (Corn Cob)

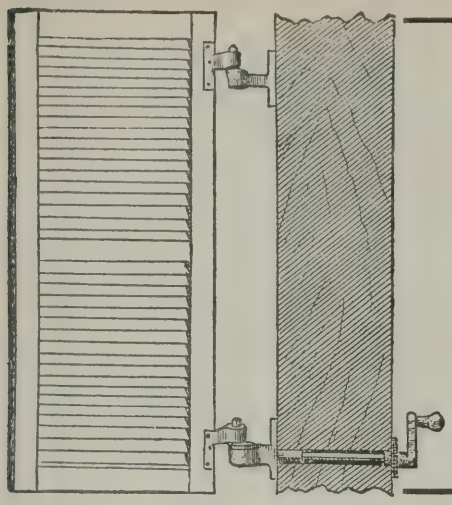
Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Gruendler Patent Crusher & Pulverizer Co., 982 N Main, St. Louis, Mo.
See adv index at end of book
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
MITTS & MERRILL, 1939 So Water, Saginaw, Mich.
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St.Louis, Mo.
See adv index at end of book

13605—Shredders (Corn, Family)

Gruendler Patent Crusher & Pulverizer Co., 982 N Main, St. Louis, Mo.
See adv index at end of book
Reading Saddle & Mfg. Co., Reading, Pa.
Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St.Louis, Mo.
See adv index at end of book

13605a—Shredders (Extract & Dyewood)

Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book



Mallory's Standard Shutter Worker

Opens and closes shutters from the inside and automatically locks them in any position.

Installed in old or new buildings—frame, brick, stone or stucco. Will also operate casement windows which open outward.

Principal working parts of malleable iron, accurately machine cut; working parts tightly encased, protected from moisture and dust. Made in all sizes to fit all thicknesses of walls.

Illustration is cross section showing handle on inside of room and rod passing through wall.

Send for illustrated Booklet "H" and Price List

MALLORY MANUFACTURING COMPANY (Org. 1892)

Box 504, Flemington, N. J.

13606— Shredders (Fodder)

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book

Advance-Rumely Thresher Co., La Porte, Ind.

Appleton Mfg. Co. ("Appleton"), Batavia, Ill.
See adv index at end of book

Dick Jos. Mfg. Co., Canton, O.

Gruendler Patent Crusher & Pulverizer Co., 982 N Main, St. Louis, Mo.
See adv index at end of book

Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book

Paper Mach. Co., Shortsville, N. Y.

Ross E. W. Co., Springfield, O.

Silver Mfg. Co. ("New Ohio," "Perfection"), No. 256, Salem, O.

Smalley Mfg. Co., Manitowoc, Wis.

Wilder-Strong Imp. Co., Monroe, Mich.

Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

13607—Shredders (Frozen Pulp Reduction)

Gruendler Patent Crusher & Pulverizer Co., 982 N Main, St. Louis, Mo.
See adv index at end of book

Jeffrey Mfg. Co., 961 N Fourth, Columbus, O. *See adv index at end of book*

MITTS & MERRILL, (Including Dry Sheet Stock), 1939 So Water, Saginaw, Mich.

Ryther & Pringle Co., Carthage, N. Y.

Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

13608— Shredders (Ice)

Giles & Nielsen Nickel Works, Troy, N. Y.

Gruendler Patent Crusher & Pulverizer Co., 982 N Main, St. Louis, Mo.
See adv index at end of book

Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book

Wrightsville Hardware Co. ("Brighton," "L. S. I. Co."), Wrightsville, Pa.

13609—Shredders (Leather Scrap)

BEACH-RUSS CO., 38 Church, New York
See adv index at end of book

Gruendler Patent Crusher & Pulverizer Co., 982 N Main, St. Louis, Mo.
See adv index at end of book

JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*

MITTS & MERRILL, (Linoleum), 1939 So Water, Saginaw, Mich.

Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

13609a — *Shredders (Old Paper Stock, Books, Magazines, etc.)

GRUENDLER PATENT CRUSHER & PULVERIZER CO., 982 N Main, St. Louis, Mo. *See adv index at end of book*

MITTS & MERRILL, 1939 So Water, Saginaw, Mich.

Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

13610—Shredders (Potato & Turnip)

Disston Hy. & Sons, Tacony, Phila., Pa.

Gruendler Patent Crusher & Pulverizer Co., 982 N Main, St. Louis, Mo.
See adv index at end of book

Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

13610a—Shredders (Pulp Lap)

Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

13610b—*Shredders (Roll & Sheet Stock Reductions)

Mitts & Merrill, 1939 So Water, Saginaw, Mich.

13611—Shredders (Sugar Cane)

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book

Gruendler Patent Crusher & Pulverizer Co., 982 N Main, St. Louis, Mo.
See adv index at end of book

Honolulu Iron Works Co., 233 Broadway, New York

Jeffrey Mfg. Co., 961 N 4th, Columbus, O. *See adv index at end of book*

Mitts & Merrill, 1939 So Water, Saginaw, Mich.

Newell Mfg. Co. ("National"), 149 B'way, New York

Williams Patent Crusher & Pulverizer Co., 707 Montgomery, St. Louis, Mo.
See adv index at end of book

13611a—*Shredders (Wood)

Mitts & Merrill, 1939 So Water, Saginaw, Mich.

13612—Shrinkers (Tire & Axle)

See also Upsetters, Tire.

American Scale Co., 517 Delaware, Kansas City, Mo.

Buffalo Forge Co., 490 Broadway, Buffalo, N. Y.

Canedy-Otto Mfg. Co. ("Western Chief"), Chicago Heights, Ill.

Champion Blower & Forge Co. ("Champion," "Lancaster," "American," "Star"), Lancaster, Pa.

Illinois Iron & Bolt Co. ("Magic," "Mole," "Stoddard," "Vulcan"), Carpentersville, Ill.

MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*

Potts D. H. Co., Lancaster, Pa.

Rockford Mfg. Co., Rockford, Ill.

Southern Skein & Fdry. Co., E Lake, Chattanooga, Tenn.

13613— Shutter Workers

See also Fasteners, Blind

Corbin P. & F., New Britain, Conn.

MALLORY MANUFACTURING CO., Flemington Natl. Bk. bldg., Flemington, N. J. *See adv index at end of book*

Quincy Foundry & Novelty Co. ("Pitney"), Quincy, Ill.

Russell & Erwin Mfg. Co., New Britain, Conn.

13613a—Shutters (Automatic)

Baker Edw. F. & Co., 608 Otis bldg, Chicago, Ill.

13614—Shutters (Fire, Automatic)

Coburn Trolley Track Mfg. Co. ("Coburn"), P. O. Box 127, Holyoke, Mass.

CORNELL IRON WORKS ("Llenroc"), 25th & 11th av, New York

Lane Bros. Co., Poughkeepsie, N. Y.

Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.

Perkins Mfg. Co., 1821 University av, St. Paul, Minn.

Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book

Wilson J. G. Corp., 11 E 36th, New York

13614a—Shutters (Iron & Glass)

CORNELL IRON WORKS, 25th & 11th av, New York

13615— Shutters (Steel)

Badger Wire & Iron Works, 25th av & Cleveland, Milwaukee, Wis.

Barnes & Nuss Co., Grand Forks, N. D.

Barnum E. T. Iron & Wire Wks., 501-23 Cass av, Detroit, Mich.

Beckley Perforating Co., Garwood, N. J.

Cincinnati Iron Fence Co., 3300 Spring Grove av, Cincinnati, Ohio

Cornell Iron Works (Rolling), 25th & 11th av, New York

Dahlstrom Metallic Door Co. (Hollow Metal), 413 Buffalo, Jamestown, N. Y.
See adv index at end of book

Dickelman Mfg. Co., Forest, O.

Dowman-Dozier Mfg. Co., Atlanta, Ga.

Dow Co., 201H N Buchanan, Louisville, Ky.

Eller Mfg. Co., 1200 Camden av S W, Canton, O.

Fleck M. (For Buildings), 333 E 134th, New York

International Steel & Iron Construction Co., Evansville, Ind.

KINNEAR MFG. CO. (Rolling and Iron), 716-766 Field av, Columbus, O.
See adv index at end of book

Marshall Blow Pipe Co., 7431 Dubois, Detroit, Mich.

Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.

Mesker Geo. L. & Co., Evansville, Ind.

Meyers Fred J. Mfg. Co., Hamilton, O.

Michel & Pfeffer Iron Works, 1417 Harrison, San Francisco, Cal.

MOESCHL-EDWARDS CORRUGATING CO. (Rolling), Box 564, Cincinnati, O.
See adv index at end of book

Peerless Steel Shutter Co., Lyric bldg, Richmond, Va.

Penn Metal Co., 65A Franklin, Boston, Mass.

Perkins Mfg. Co., 1821 University av, St. Paul, Minn.

(Continued on following page)



KINNEAR ROLLING DOORS of interlocking copper bearing steel slats, thoroughly galvanized, are the result of more than a quarter of a century of experience as exclusive door manufacturers. They are as good as engineering skill can make them.

KINNEAR DOORS are operated by one of the following methods: Manually (push up) endless chain and gear, crank or electrically. Electrically operated doors will raise or lower at the rate of one foot per second.

They are fire resisting, and are made to close automatically in case of fire, and bear the label of the National Board of Fire Underwriters.

Let our door experts assist in solving your door problems.

THE KINNEAR MANUFACTURING COMPANY, 716-766 Field Avenue, Columbus, Ohio

Shutters (Steel)—Continued

Smith F. P. Wire & Iron Wks., 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Souther E. E. Iron Co. (Corrugated, Fire, etc.), Klenlin & Hamburger, St. Louis, Mo.
Steel Roofing & Stamping Wks, Des Moines, Iowa
Variety Mfg. Co. (Iron & Tin Clad Window), 2958 Carroll av, Chicago, Ill.
Wilson J. G. Corp. (Also Wood & Bronze), 11 E 36th, New York
Wis. Iron & Steel Wks., 1160H Booth, Milwaukee, Wis.

13616—Shutters (Steel Rolling)

CORNELL IRON WORKS (Smallest Shutters to Largest Doors), 25th & 11th av, New York
Dodge H. B. & Co., 332 S Michigan av, Chicago, Ill.
Harris S. H. Co., 2424 W 22d, Chicago, Ill.
Holzer R. G. (Estate of), 317 Burgundy, New Orleans, La.
Johnson Geo. W. Mfg. Co., St. Louis, Mo.
KINNEAR MFG. CO., 716-766 Field av, Columbus, O. *See adv index at end of book*
Lenderking P. H., Dept H, Linwood & Dillon, Baltimore, Md.
McCormack E. A., 29 B'way, New York
Moeschl-Edwards Corrugating Co. (Manuel Chain or Motor Operation), Box 564, Cincinnati, O.
See adv index at end of book
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Perkins Mfg. Co., 1821 University av, St. Paul, Minn.
Variety Mfg. Co., 2958 Carroll av, Chicago, Ill.
Wilson J. G. Corp. ("Salamander"), 11 E 36th, New York

13616a—Shutters (Ventilator)

Baker Edw. J. Co., 608 Otis bldg, Chicago

13617—Shutters (Wood Rolling)

Grant Pulley & Hdw. Co., 101 Park av, N. Y.
KINNEAR MFG. CO., 716-766 Field av, Columbus, O. *See adv index at end of book*
UNION BLIND & LADDER CO., INC. ("Acme" wood rolling for news stands & cigar stands), 3535 Peralta, Oakland, Cal. *See adv index at end of book*
Wilson J. G. Corp., 11 E 36th, New York

Sickles (Mower & Reaper)

See Knives, Mower & Reaper

13618—Side Dressers for Side Files

Covel Mfg. Co., Benton Harbor, Mich.

13619—Side Edges (Plumbers')

Osborne C. S. & Co., Box 183, Newark, N. J. *See adv index at end of book*

13620-1—Side Files for Saws

Covel Mfg. Co., Benton Harbor, Mich.
Gerlach Peter Co., 1708 Columbus, Cleveland, O.
Port Huron Engine & Thresher Co., Port Huron, Mich.

Sidewalk Lights

See Vault & Sidewalk Lights, Plain & Prismatic

Siding (Steel)

See Roofing & Siding, Iron & Steel; also Steel, Brick & Rock Face Sidings

13621a— Sienna

Chrystal Chas. B. Co., Inc. (Burnt & Raw), 13 Cliff, New York
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
General Commercial Co., Ltd., of U. S. A. (Imp.), 90 W Broadway, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg., Cleveland, O.
See adv index at end of book
Smith J. Lee & Co. (Imp, Raw & Burnt), 19 Jacob, New York
Williams C. K. & Co., Easton, Pa.
See adv index at end of book

13622— Sieves (Ash)

Butler Mfg. Co. (Rocker), 1228 Eastern, Kansas City, Mo.
Central Stamping Co. ("Central"), 206 B'way, New York
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Hamblin & Russell Mfg. Co., Worcester, Mass.
Hessler H. E. Co., Syracuse, N. Y.
Hill Clothes Dryer Co. ("Hustler"), Worcester, Mass.
Jelliff Geo. H. & Son ("Rival"), New Canaan, Conn.
Parker Wire Goods Co. ("Boston"), Worcester, Mass.
Success Mfg. Co. ("Triumph"), Gloucester, Mass.
Wayne Mfg. Co., 2624 W Haget, Phila., Pa.

13623—Sieves (Cement Testing)

Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y. *See adv index at end of book*
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Multi-Metal Separating Screen Co., 801 E 139th, New York
Ulmer J. C. Co., E 38th & Kelly, Cleveland, O.

13623a—*Sieves (Chemists)

Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Newark Wire Cloth Co., 357-371 Verona av, Newark, N. J.

13624— Sieves (Flour)

Abbe Paul O., Inc. ("Abbebilt"), 71A Murray, New York
See adv index at end of book
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Buffalo Wire Works Co., 453 Terrace, Buffalo, New York
See adv index at end of book
Central Stamping Co. (Seamless Metallic), 206 B'way, New York
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Day J. H. Co. (Sifters Only), Cincinnati, O.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Hamblin & Russell Mfg. Co., Worcester, Mass.
Jelliff Geo. H. & Son, New Canaan, Conn.
Lalance & Grosjean Mfg. Co., 299 B'way, N. Y.
McLaughlin Co., Inc., Brockfort, N. Y.
Meyers Fred. J. Mfg. Co. ("Hunters' Favorite"), Hamilton, O.
Newark Wire Cloth Co., 357-371 Verona av, Newark, N. J.
Parker Wire Goods Co. ("Majestic," "Columbia," "Standard," "Hunter," "Nameless," "Universal" & "Star Rotary"), Worcester, Mass.
Robinson H. Mfg. Co., Muncy, Pa.
Roseland Can & Specialty Co. ("Apex," "Standard," "Rockford," "Pastry"), Rockford, Ill.
Schlesinger Leo & Co. ("Excelsior"), 537 Greenwich, New York
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book

TYLER W. S. CO., Cleveland, O.
See adv index at end of book
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

13625— Sieves (Testing)

Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y. *See adv index at end of book*
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Kohlbusch Herman Sr. Inc., 149 New York av, Jersey City, N. J.
Kress & Co., 29-33 Lafayette, New York
Newark Wire Cloth Co., 357-371 Verona av, Newark, N. J.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
TYLER W. S. CO., Cleveland, O.
See adv index at end of book

13626— *Sieves (Wire)

BUFFALO WIRE WORKS CO., 453 Terrace, Buffalo, N. Y.
See adv index at end of book
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Newark Wire Cloth Co., 357-371 Verona av, Newark, N. J.
Smith, T. S., 269 Pearl, New York
TYLER W. S. CO., Cleveland, O.
See adv index at end of book

13627—Sifters (Ash & Coal)

Aurora Steel Products Co. ("Little Wonder"), Aurora, Ill.
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Diener Geo. W. Mfg. Co. ("Peerless"), 400 Monticello av, Chicago, Ill.
Gem Stamped Steel Co. ("Gem"), Chelsea, Mass.
Gier Pressed Steel Co. ("Lancing" Ash), Lansing, Mich.
Hessler H. E. Co. ("Wonder"), Syracuse, N. Y.
Hill Clothes Dryer Co. ("Hustler"), 40 Central, Worcester, Mass.
Hoffman B, Mfg. Co., ("Hoffman" Ash), 257 6th, Milkaukee, Wis.
Jelliff Geo. H. & Son, New Canaan, Conn.
Metal Products Corp., 49 Chestnut, Weehawken, N. P.
Michigan Wire Goods Co., (Wire), Niles, Mich.
National Can Co. ("National"), 38 Washington, No. Boston, Mass.
National Enameling & Stamping Co. ("Nesco"), 411 5th av, New York
Rittenhouse T. F. Mfg. Co. ("Economy" Shovel), Liberty Mills, Ind.
Rochester Can Co. ("Iron Horse," Ash Only Galvanized), 89 Hague, Rochester, N. Y.
Steinfeld Bros., 116 W 32d, New York
Success Mfg. Co. ("Perfection," "Triumph"), Gloucester, Mass.
Wickwire Bros. (Metallic), Cortland, N. Y.

13628— Sifters (Flour)

Abbe Paul O. Inc., 924 Johnston bldg, New York *See adv index at end of book*
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Barnard & Leas Mfg. Co., ("Plansifter"), 403 20th, Moline, Ill.
Clark J. L. Mfg. Co. ("Gem" Rotary & Shaker), Rockford, Ill.
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Gump B. F. Co. ("Ideal"), 431 H S. Clinton, Chicago, Ill.
Iddings Co. ("Star-Peerless" Flour Bin & Sifter), Warren, O.
National Enameling & Stamping Co. ("Columbia" Bin & Sifter), 411 5th av, New York
Nordyke & Marmon Co., Kentucky & Morris av, Indianapolis, Ind.
Peoria Can Co. ("Ne-Name"), Peoria, Ill.
Repath Mfg. Co. ("Rep-Repeating"), 649 E 61st, Los Angeles, Cal.
Republic Metalware Co., ("Shaker"), 100 Alabama, Buffalo, N. Y.
Robinson Mfg. Co. (Gyro-Sifters), Muncy, Pa.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Stuber & Kuck (Tinaware), Peoria, Ill.
Wickwire Spencer Steel Corp., 41 East 42nd, New York
See adv index at end of book
Wolf Co., Chambersburg, Pa.

13629— Sifters (Plaster)

Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Potato Implement Co., Traverse City, Mich.

13630— Sifters (Sand)

Arcade Mfg. Co., Freeport, Ill.
Brass Founders Supply Co., Wilson av, Newark, N. J.
Buckeye Products Co., Inc., ("Buckeye") 915-017 W 5th, Cincinnati, Ohio
See adv index at end of book
Clearfield Machine Shops, Clearfield, Pa.
Darby Edw. J. & Son, 319 Vine, Phila., Pa
See adv index at end of book
Gem Stamped Steel Co., Chelsea, Mass.
Great Western Mfg. Co., Leavenworth, Kans.
Hanna Engineering Works (Pneumatic & Electric), 1764 Elston av, Chicago, Ill.
Herman Pneumatic Machine Co. (Pneumatic), Zellenople, Pa.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Meyers Fred. J. Mfg. Co., Hamilton, O.
National Engineering Co., 549 W Washington blvd., Chicago, Ill.
Pangborn Corp., Hagerstown, Md.
Paxson J. W. Co., Dept H, Nicetown Lane & D, Phila., Pa.
Standard Sand & Machine Co. (Revolving "Standard" Adjustable Portable), 5150 St. Clair av, Cleveland, O.

13631—Sifters (Sliding Motion)

Patterson Foundry & Machine Co. ("Patterson" for Wet & Dry Materials), East Liverpool, O.

13632—*Sight Feeds for Oiling Devices

LUNKENHEIMER CO., Executive Offices and Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*

13633—Sight Feeds for Oiling Systems

Hills-McCanna Co., 2025 Elston av, Chicago, Ill.
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
See adv index at end of book
Nugent Wm. W. & Co., 416 N Hermitage, Chicago, Ill.

13633a—Sights (Gun & Rifle)

Bausch & Lomb Optical Co. (Telescopic, for Army & Navy), Rochester, N. Y.
Bethlehem Steel Co., S Bethlehem, Pa.
Lyman Gun Sight Corp., Middlefield, Conn.
Marble Arms & Mfg. Co. ("Marble's Flexible Special), Gladstone, Mich.
Savage Arms Corp., Utica, N. Y.
Stevens J. Arms Co., Chicopee Falls, Mass.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

13634— Sights (Level)

Stanley Rule & Level Plant, New Britain, Conn.
Stearns E. C. & Co., 450 Oneida, Syracuse, N. Y.

13634a—*Sign Display Stands

Nelke L. D. Signs, New York, Inc., 1607 Everett bldg, New York
Standard Advertising Sign Co., 1607 Everett bldg, New York

13635-6-7—Sign Materials (Wood)

Matthew Jas. H. (Marking Outfits), 3942 Forbes, Pittsburgh, Pa.
Spanjer Bros. (Letters, Figures, Trademarks, Models, Monograms, etc.), 198 Badger av, Newark, N. J.

13638— Signal Car Lights

Brill J. G. Co., 62d & Woodland av, Phila., Pa.
Smith of N. Y. Co., 1 Franklin sq, New York
Star Headlight & Lantern Co., Rochester, N. Y.

Signal Cord

See Cords, Sash

13638a— Signaling Devices

Acme Traffic Signal Co. (Street Traffic), Marsh-Strong bldg, Los Angeles, Cal.
Bryant Electric Co., (Systems for Hospitals, Doctors, etc.), 1421 State, Bridgeport, Conn.
Crosby Steam Gage & Valve Co. ("Crosby" Steam Whistle), 40 Central, Boston, Mass.
Edwards & Co. Inc. (Apparatus), 140th & Exterior, New York
Heath Engineering Laboratories ("Electrophone"), 114 Sansome, San Francisco, Cal.
Holtzer-Gabot Electric Co., 125 Amery, Boston, Mass.
HORNI SIGNAL MFG. CORP. (Automatic Traffic), 153-155 Frelinghuysen av, Newark, N. J.
See adv index at end of book
Lovsted C. M. & Co., (Electric), 2214 First av, Seattle, Wash.
Manhattan Electrical Supply Co., 17 Park pl, New York
Metal Specialties Mfg. Co., (Automobile), Dept. H, 338 N Kedzie av, Chicago, Ill.
Submarine Signal Co., 160 State, Boston, Mass.

13639— Signals (Air Brake)

New York Air Brake Co., 165 B'way, New York
Westinghouse Air Brake Co., Pitts., Pa.

13640—Signals (Audible & Visual)

Automatic Signal & Sign Co., 11th & S Michigan av, Chicago
Benjamin Electric Mfg. Co., 120 S Sangamon, Chicago
Darsie Mfg. Co., 121 W 35th, Los Angeles, Cal.
Heath Engineering Laboratories, 114 Sansome, San Francisca, Cal.
Holtzer-Gabot Electric Co., 125 Amery, Boston, Mass.
Klaxon Co. ("Klaxon" Audible), Bloomfield av, Newark, N. J.
Lovsted C. M. & Co., 2214 First av., Seattle, Wash.
Pacific Electric Clock Co., 86 3rd, San Francisco, Cal.
Protex Signal Co., Park bldg, Cleveland, Ohio
Wright Traffic Signal Co., 134 Opera pl, Cincinnati, Ohio

13640a—Signals (Automatic Calling)

American Watchman's Clock Co., 150 Nassau, New York
Cleveland Magnetic Watchman's Clock Co., 150 Nassau, New York
Holtzer Cabot Electric Co., 125 Amory, Boston, Mass.
Klaxon Co. ("Klaxon"), Bloomfield av, Newark, N. J.
Lovsted C. M. & Co., 2214 First av., Seattle, Wash.
Pettes & Randall Co., 150 Nassau, New York

13640b—Signals (Automobile Traffic)

Acme Traffic Signal Co. (Street Traffic), Marsh-Strong bldg, Los Angeles, Cal.
Advice Mach. & Mfg. Co., 352 S Los Angeles, Los Angeles, Cal.
Arrolite Auto Signal Co. ("Arrolite"), 725 Mission, San Francisco, Cal.
Auto Indicator Co., Grand Rapids, Mich.
Automatic Signal & Sign Co., 11th & S Michigan av, Chicago
Banner Accessory Mfg. Co., 2629 La Salle, St. Louis, Mo.
Boesch Lamp Co., ("Right-O-Way"), 962 Mission, San Francisco, Cal.
Chicago Die & Specialty Co., 553 W Monroe, Chicago, Ill.
Diamond Signal Co. ("Diamond" Stop & Turn Signals), 181 Beale, San Francisco, Cal.
Double Safety Signal Co., 208 N Wells, Chicago, Ill.
Every Way Signal Co., 1714 S Grand, Los Angeles, Cal.
FEDERAL ELECTRIC COMPANY, 8702 S State, Chicago
See adv index at end of book
Heath Engineering Laboratories, 114 Sansome, San Francisco, Calif.
HORNI SIGNAL MFG. CORP., 153-155 Frelinghuysen av, Newark, N. J.
See adv index at end of book

Signals
of All Kinds
Traffic, Automatic and Manual Control, Indicating Lights, Highway Signals.
Horni Signal Mfg. Co.
153-155 Frelinghuysen Avenue
NEWARK, NEW JERSEY

Hysig Co., Plainfield, N. J.
Kay-Bee Mfg. Co., ("Beauty," "Invincible" & "Ruby-Ray"), 3508 So Park av, Los Angeles, Cal.
Kilborn-Sauer Co. ("K-S"), Fairfield, Conn.
Klaxon Co., 194 Wright, Newark, N. J.
Precision Metal Workers, ("Precision" Rear), 3100 Carroll av, Chicago, Ill.
Rose Mfg. Co., 910 Arch, Phila., Pa.
Ryan Corp., Phoenix, N. Y.
Stewart-Warner Speedometer Corp., 1826 Diversey Parkway, Chicago, Ill.
Traffic Sign & Signal Co., ("Silent Policemen"), Gloucester, Mass.
Wright Traffic Signal Co., 844 W 6th, Cincinnati, O.

13641—Signals (Block System)

Federal Signal Co. (Automatic Electric Block), Albany, N. Y.
General Railway Signal Co. ("G. R. S." Continuous Track Circuit Automatic), Rochester, N. Y.
Union Switch & Signal Co., The (Automatic, Electric & Pneumatic Semaphore), Swissvale, Pa.
United States Electric Signal Co. ("U. S." Automatic), West Newton, Mass.

13641a— Signals (Bridge)

Automatic Signal & Sign Co., 11th & S Michigan av, Chicago

13642— Signals (Distress)

Coston Signal Co. (Ship Rockets & Water Lights), 57 Front, New York
Galbraith C. C. Son, 117H West, New York
National Marine Lamp Co., (Marine), Forestville, Conn.

13643—Signals (Electric Mine)

American Strombos Co. Inc., 3H S. 18th, Phila., Pa.
Benjamin Electric Mfg. Co., 120 S Sangamon, Chicago
FEDERAL ELECTRIC COMPANY, 8702 S State, Chicago
See adv index at end of book
Flint Electric & Mfg. Co., 1402 Delgany, Denver, Colo.
Klaxon Co. ("Klaxon"), Bloomfield av, Newark, N. J.
Lovsted C. M. & Co., 2214 First av, Seattle, Wash.
United Electric Apparatus Co. ("Ziegler"), 1529 Columbus av, Boston, Mass.

13644—Signals (Electric Railway)

American Strombos Co. Inc., 3H S 18th, Phila., Pa.
Consolidated Car Heating Co. (Inside Car Signals), Albany, N. Y.
Eureka Automatic Electric Signal Co., Tamaqua, Pa.
Federal Signal Co., Albany, N. Y.
General Railway Signal Co. ("G. R. S." Continuous Track Circuit, Automatic Block Signal), Rochester, N. Y.
Hall Switch & Signal Co., Garwood, N. J.
Klaxon Co. ("Klaxon"), Bloomfield av, Newark, N. J.
Machod Signal Co., Inc., Louisville, Ky.
Magnetic Signal Co., ("Magnetic Wig-Wag Flagman"), 1334 E 6th, Los Angeles, Cal.
Nachad Signal Co. Inc., Highland Park, Louisville, Ky.
Simmen Automatic Railway Signal Co., ("Simmen" System), 1575 Niagara, Buffalo, N. Y.
Union Switch & Signal Co., The (Interlocking), Swissvale, Pa.
United Electric Apparatus Co. ("Ziegler"), 1529 Columbus av, Boston, Mass.
United States Electric Signal Co. ("U. S. Automatic Block Signals), West Newton, Mass.
Universal Railway Supply Co., 122 S Mich av, Chicago, Ill.
Valley Electric Co., 3157H S Kingshighway, St. Louis, Mo.
Wood Chas. N. Co. ("Chapman," Automatic, 948 Old South bldg, Boston, Mass.

13645—Signals (Factory & Office)

American Strombos Co. Inc., 3H S 18th, Phila., Pa.
Autocall Co., Shelby, O.
Benjamin Electric Mfg. Co. (Relay), 120 S Sangamon, Chicago
Couch S. H. & Co., Norfolk Downs, Mass.
FEDERAL ELECTRIC COMPANY, 8702 S State, Chicago
See adv index at end of book
Heath Engineering Laboratories, 114 Sansome, San Francisca, Cal.
Holtzer Cabot Electric Co., 125 Amory, Boston, Mass.
Klaxon Co. ("Klaxon"), Bloomfield av, Newark, N. J.
Lovsted C. M. & Co., 2214 First av, Seattle, Wash.
National Scale Corp. ("National"), 11 Hendricks, Chicopee Falls, Mass.
Nichols-Lintern Co. (Indicating), 8404 Lorain av, Cleveland, Ohio
Ohio Signal Co., Canton, O.
Scribner A. C. Mfg. Co., Gloversville, N. Y.
Severance Elect. Co. (Hartford), Boston, Mass.
Standard Electric Time Co. ("Standard" Electric), Springfield, Mass.
Stanley & Patterson, 23 Murray, New York
Tele Call Co. ("Tele Call"), 5604H Cedar av, Cleveland, O.
Winkler-Reichmann Co., 4801 So. Morgan, Chicago, Ill.

13646—Signals (For Follow-Up Systems)

Cook H. C. Co. ("Vise"), 29 Beaver, Ansonia, Conn.
Graff Geo. B. Co. ("Graffco Vise"), 294 Washington, Boston, Mass.

13646a—Signals (Highway Crossing)

Automatic Signal & Sign Co., 11th & S Michigan av, Chicago

13646b—Signals (Highway Warning)

Automatic Signal & Sign Co., 11th & S Michigan av, Chicago

13647— Signals (Hospital)

See also Annunciators

Automatic Enunciator Co., 1001 W Van Buren, Chicago, Ill.
BRYANT ELECTRIC CO., 1421 State, Bridgeport, Conn.
Chicago Signal Co., 312 S Green, Chicago, Ill.
Hartung, Chas. F. Co., ("Hartung Silent Call"), Higgins bldg., Los Angeles, Cal.
Holtzer-Cabot Electric Co., 125 Amory, Boston, Mass.
Klaxon Co. ("Klaxon"), Bloomfield av, Newark, N. J.
Novelty Electric Co., 50 N 4th, Phila., Pa.
Winkler & Reichmann, 5 S Wabash av, Chicago, Ill.

13648—Signals (Interlocking Systems)

Federal Signal Co. (Interlocking Manuel & Electric), Albany, N. Y.
General Railway Signal Co., Rochester, N.Y.
Klaxon Co. ("Klaxon"), Bloomfield av, Newark, N. J.
Union Switch & Signal Co., The (Swissvale, Pa.

13649—Signals (Pneumatic)

AMERICAN SAFETY LAMP & MINE SUPPLY CO. ("Jones" also "American"), 1327 Capouse av, Scranton, Pa.
American Strombos Co., Inc., 3H So 18th, Phila., Pa.
Everhart Brass Works ("Everhart" for Mines), Scranton, Pa.
General Railway Signal Co., Rochester, N. Y.
Union Switch & Signal Co., The ("Westinghouse" Electric Interlocking), Swissvale, Pa.

13650— Signals (Police)

American Strombos Co., Inc., 3H So 18th, Phila., Pa.
Gamewell Fire Alarm Telegraph Co., Newton Upper Falls, Mass.
Heath Engineering Laboratories, 114 Sansome, San Francisco, Cal.
HORNI SIGNAL MFG. CORP., 153-155 Frelinghuysen av., Newark, N. J.
See adv index at end of book
Klaxon Co., ("Klaxon"), Bloomfield av. Newark, N. J.
Utica Fire Alarm Telegraph Co., Utica, N. Y.

13651—Signals (Railway Cab)

Simmen Automatic Railway Signal Co., 1575 Niagara, Buffalo, N. Y.

13652—Signals (Railway Crossing)

See also Gates, Railway Crossing; also Railway Supplies; also Frogs, Switches, & Crossings

A. G. A. Railway Light & Signal Co., Elizabeth, N. J.
Automatic Signal & Sign Co., 11th & S Michigan av, Chicago
Baltimore Enamel & Novelty Co. (Enameled Steel), 4 E Redwood, Baltimore, Md.
Bethlehem Steel Co., So. Bethlehem, Pa.
Brach L. S. Supply Co., 129 Sussex av, Newark, N. J.
Bryant Mfg. Co., 456 W Ontario, Chicago, Ill.
Bryant Zinc Co. (Illuminated Highway), 600 Orleans, Chicago, Ill.
Chicago Railway Signal & Supply Co., 122H So Michigan av, Chicago, Ill.
Consolidated Car Heating Co., Albany, N. Y.
Electric Service Supplies Co. ("Keystone" Highway), 17th & Cambria, Phila., Pa.
Federal Signal Co., Albany, N. Y.
Hall Switch & Signal Co., Garwood, N. J.
Handlan-Buck Mfg. Co. ("Newton's"), 210-14 N 3d, St. Louis, Mo.
Horni Signal Mfg. Corp., 153-155 Frelinghuysen av, Newark, N. J.
Kalamazoo Railway Supply Co. (Electrical & Mechanical), Kalamazoo, Mich.
Machod Signal Co., Inc., Louisville, Ky.
Magnetic Signal Co. ("Magnetic Wigwag Flagman"), 1334 E 6th, Los Angeles, Cal.
Nachad Signal Co. Inc., Highland Park, Louisville, Ky.
Railroad Supply Co. ("Chicago" and "Wig Wag" Highway Crossing Alarms for Steam Railroads), 203 S Dearborn, Chicago, Ill.
Ramapo Iron Works, Hillburn, N. Y.
Taite Railway Signal Co., Coatesville, Pa.
Union Switch & Signal Co., The, Swissvale, Pa.
United Electric Apparatus Co. ("Ziegler"), 1529 Columbus av, Boston, Mass.
Universal Railway Supply Co., 122 S Mich av, Chicago, Ill.

13652a—Signals (Railway Electric)

HORNI SIGNAL MFG. CORP., 153-155 Frelinghuysen av., Newark, N. J.
See adv index at end of book

13652b—Signals (Reflecting)

Automatic Signal & Sign Co., 11th & S Michigan av, Chicago

13653— Signals (Switch)

American Sign Co., 1512 S Los Angeles, Los Angeles, Cal.
Bethlehem Steel Co., So. Bethlehem, Pa.
Buda Co., Harvey, Ill.
Federal Signal Co., Albany, N. Y.
General Railway Signal Co., Rochester, N. Y.
Ramapo Iron Works, Hillburn, N. Y.
Union Switch & Signal Co., The, Swissvale, Pa.

13654—Signals (Train Order)

Adams & Westlake Co. (Telegraph), 319 W Ontario, Chicago, Ill.
General Railway Signal Co., Rochester, N. Y.

13655—Signs (Advertising)

Adamant Steel Sign Co., 243H W 55th, New York
Adams E. P. Co., 170 Summer, Boston, Mass.
Adco, Inc., 381 4th av, New York
Am. Sign Co., Kalamazoo, Mich.
Aultman & Locke, 458 Jefferson, Milwaukee, Wis.
Bachrach & Co., 577 Market, San Francisco, Cal.
Baltimore Enamel & Novelty Co., Dept H Mt. Winans, Baltimore, Md.
Barker C. G., Ithaca, N. Y.
Borreson Mfg. Co., St. Paul, Minn.
Bradford Co., St. Joseph, Mich.
Buck C. H. & Co., 411 Dorchester av, Boston, Mass.
BURDICK ENAMEL SIGN CO., 220 S State, Chicago, Ill.
See adv index at end of book
California Metal Enameling Co., ("Cameo"), 2151 E 51st, Los Angeles, Cal.
Chicago Glass Novelty Co. (Gold Glass Letters for Dealers' Signs), Marion, Ind.
Clark W. L. Co. (Changeable Letters), 115-117 Nassau, New York
Cleveland-Akron Bag Co., Cleveland, Ohio
Commonsense Novelty Co., 2403 N Oakley, Chicago, Ill.
CUSACK THOS. CO., 514 Loomis, Chicago
DECALCO LITHO CO., 615 H Newark, Hoboken, N. J.
Eclipse Sign & Advertising Co. (Paper Enameloid), Reading, Pa.
Enamel Products Co. (Porcelain Enameled Iron), Eddy rd and Taft av Cleveland, Ohio
ENAMELED STEEL SIGN CO. (Also Advertising Art Bulletins on Steel & Framed), 320 E N Water, Chicago, Ill.
See adv index at end of book
Ettlinger Sign Co., 440 S Dearborn, Chicago, Ill.
FEDERAL ELECTRIC COMPANY, 8702 S State, Chicago
See adv index at end of book
General Advertising Co. (For Paint & Varnish Makers), Reading, Pa.
General Porcelain Enameling & Mfg. Co., 4101-35 Parker av, Chicago, Ill.
Grammes L. F. & Sons (Metal), 311 Union, Allentown, Pa.
See adv index at end of book
Gude O. J. & Co., 550 W 57th, New York
Howard Sign Co., 420 Augusta, Cincinnati, Ohio

INGRAM RICHARDSON MFG. Co.

BEAVER FALLS, PA. BAYONNE, N. J. FRANKFORT, IND.

ENAMELERS • OF SPECIALTIES • OF VARIOUS • KINDS

ING-RICH SIGNUM PERFECTIONIS TRADE MARK REG. U.S. PAT. OFF. AND CANADA

PORCELIRON TRADE MARK REG. U.S. PAT OFFICE AND CANADA

ING-RICH SIGNS of Porcelain Enamel for Advertisers, Streets and for all Purposes for which high grade, attractive, long-lasting signs can be used

PORCELIRON Linings for Refrigerators, tops for Kitchen-tables and Kitchen Cabinets, parts for Ranges, Stoves etc.

INQUIRIES SOLICITED

INGRAM-RICHARDSON MFG. CO. ("Ing-Rich" Porcelain Enameled Iron), Beaver Falls, Pa.
See adv index at end of book

Kirby-Cogeshall Co., 174 Huron, Milwaukee, Wisconsin

Little & Preuss, 309 E 22d, New York

Martin L. E. Co., 411 Equitable bldg, Baltimore, Md.

Massillon-Cleveland-Akron Sign Co. (The), S Canal, Massillon, Ohio

Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa.
See adv index at end of book

Metal Sign Adv. Co., H East Hill, Muscatine, Iowa

Meyercord Co. (Transfer Window Signs), Chamber of Commerce bldg., Chicago, Ill.

Model Products Co., 9th & Venango, Phila., Pa.

Moise-Klinker Co., 369 Market, San Francisco, Cal.

Moore J. M., 435 Peyton blk, Spokane, Wash.

Munn Sign & Advg. Co., Atlanta, Ga.

National Art Works ("Bras-Etch" Indoor), Covington, Ky.

Nelke L. D. Signs, New York, Inc., 1607 Everett bldg, New York
See adv index at end of book

NELKE
SIGN MANUFACTURERS SINCE 1861
1607 EVERETT B'LD'G - NEW YORK

NEW YORK ENAMELED STEEL SIGN CO., 47 E 17th st, New York
See adv index at end of book

Newell L. B., 170 Summer, Boston, Mass.

Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.

Oyen Advg. Sign System, La Crosse, Wis.

Palm, Techteler & Co., 67 5th av, New York

Pilgrim Specialty Co., Malden, Mass.

Pioneer Metal & Glass Sign Co., 423 Hayes, San Francisco, Cal.

Plampin Lithograph Co., 132 King, New York

Plume Edw. Co., 2448 Prairie, Chicago, Ill.

Press Sign Co. of St. Louis, Mo., 3700 Dodier, St. Louis, Mo.

Sampliner Adv. Co., 1600 B'dway, New York

Selectasine Patents Co., ("Selectasine Process"), Mills bldg, San Francisco, Cal.

SHANK E. A. SIGN CO. (Designers and quantity manufacturers of durable signs that bring profitable sales returns), 243H W 55th, New York
See adv index at end of book

Sign Ad Co., Geneva, N. Y.

Silica Enamel Sign Co., (Enamelled Steel), 128-34 Sidney, St. Louis, Mo.

Smith-Hecht Co., Jackson blvd, Indianapolis, Ind.

Stanford-Crowell Co. (Board, Tin & Cloth), Ithaca, N. Y.

Statesman Co., Marshall, Mich.

Stout Sign Co., 2533H Sullivan av, St. Louis, Mo.

Up-To-Date Advertising Co., Canisteo, N. Y.

Velvetone Poster Co. ("Velvetone"), 67 Main, San Francisco

Viking Sign Co., 442 W 42nd, New York

Voigt Co. (Plastic Relief), 1743-1749 N 12th, Phila., Pa.

13656— Signs (Aluminum)

Adamant Steel Sign Co., 243H W 55th, New York

Aluminum Goods Mfg. Co. (Advertising), Manitowoc, Wis.

Aluminum Sign Co., Kewaunee, Wis.

Aluminum Specialty Co., Manitowoc, Wis.

Automatic Signal & Sign Co., 11th & S Michigan av, Chicago

Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.

Rolfe Iron Co. (Steel, Road & Street), 36th & I. C. Tracks, Chicago, Ill.

Schmutz Mfg. Co., Inc., 17th & Walnut, Louisville, Ky.

Shank Sign Co., E. A., 243H W 55th, New York
See adv index at end of book

Stout Sign Co., 2533H Sullivan av, St. Louis, Mo.

13656a—Signs (Arterial Highway)

Automatic Signal & Sign Co., 11th & S Michigan av, Chicago

FEDERAL ELECTRIC COMPANY, 8702 S State, Chicago
See adv index at end of book

Sign Headquarters

E. A. SHANK SIGN CO.

Manufacturers of

Advertising Signs

243H WEST 55th STREET - NEW YORK

Embossed Metal - Enameled Iron — Framed Metal — Wood — Window Displays — Tin - Brass - Fibre - Muslin — Cardboard - Lithographed - Metal Display Stands

13656b—Signs (Automobile Club Road)

Adamant Steel Sign Co., 243H W 55th, New York
See adv index at end of book
ENAMELED STEEL SIGN CO., 320 E N Water st, Chicago, Ill.
See adv index at end of book
General Porcelain Enameling & Mfg. Co., 4101-35 Parker av, Chicago, Ill.
Nelke L. D. Signs, New York, Inc., 1607 Everett bldg, New York
See adv index at end of book
New York Enameled Steel Sign Co., 47 E 17th, New York
See adv index at end of book
Northwestern Sheet & Iron Wks., Wahpeton, N. D.
R. & S. Engraving & Die Works, 617-631 W Jackson blvd, Chicago, Ill.
Ready Made Sign Co., 45 Union sq N, New York
See adv index at end of book
SHANK SIGN CO., E. A., 243H W 55th, New York
See adv index at end of book
Silica Enamel Sign Co., 128-34 Sidney, St. Louis, Mo.

13657—Signs (Automobile Radiator)

Adamant Steel Sign Co., 243H W 55th, New York
Fresno Rubber Stamp Co., 1923 Fresno, Fresno, Cal.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Matthews Jas H. & Co., 3942 Forbes, Pittsburgh, Pa.
See adv index at end of book
Shank Sign Co., E. A., 243H W 55th, New York

13658—Signs (Brass & Bronze)

Adamant Steel Sign Co., 243H W 55th, New York
Adams S. G. Stamp & Stationery Co. (Enamel), 412 N 6th, St. Louis, Mo.
BARKAY CO., INC., 26 Institute, Jamestown, N. Y.
See adv index at end of book
Barnum E. T. Wire & Iron Works, 864 Woodward, Detroit, Mich.
Barshal Co., 2031 Euclid av, Cleveland, Ohio
Bryan Co., 2130 E 19th, Cleveland, O.
Buck C. H. & Co., 411 Dorchester av, Boston, Mass.
Buckeye Iron & Brass Works (Brass Window or Door), Dayton, O.
Cabaret Paul E. & Co., 412 E 125th, New York
Charles Sign Co., 1458 W Kinzie, Chicago, Ill.
Chicago Metal Sign Co., 20 N Wells, Chicago, Ill.
Chipron Stamp Co., 224 W 1st, Los Angeles, Cal.
Cincinnati Mfg. Co., Cincinnati, O.
COLUMBUS BRASS CO., 620 Dublin av, Columbus, Ohio.
See adv index at end of book
Detroit Mausoleum Equipment Works, 175 W Fort, Detroit, Mich.
Dickey Grabler Works of the Bankers Savings & Credit System Co., W Madisten & 103rd, Cleveland, Ohio
Dow Co., 201H N Buchanan, Louisville, Ky.
Ellison Brass Mfg. Co., Jamestown, N. Y.
Flour City Ornamental Iron Co., 27th st & 27th av, Minneapolis, Minn.
Forman Co., 48H W B'way, New York
Gorham Co. Arch'l Bronze, 5th av & 36th, New York. Works, Providence. R. I.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Heath J. S. Co., Ontario & Franklin, Chicago, Ill.
Imperial Brass Mfg. Co., 1200 W Harrison, Chicago, Ill.

BRASS & BRONZE SIGNS
THE IMPERIAL BRASS MFG. CO.
CHICAGO

Inglis Wm. Wire & Iron Works, 61 Woodbridge av, Detroit, Mich.
Irvine & Jachens, 1027 Market, San Francisco, Cal.
Irwin-Hodson Co., 115 N 15th, Portland, Ore.
Jones Trevor F. & Co. (Also Silver), 165 Spring, New York
Lasar Mfg. Co., 1313 N 16th, St. Louis, Mo.
Los Angeles Rubber Stamp Co., 15th & S Los Angeles, Los Angeles, Cal.
Manton & Smith Co., 3333 W Grand av, Chicago, Il.
MATTHEWS JAS. H. & CO., 3942 Forbes, Pittsburgh, Pa.
See adv index at end of book
Moise-Klinkner Co., 369 Market, San Francisco, Cal.
Nelke L. D. Signs, New York, Inc., (Brass), 1607 Everett bldg, New York
See adv index at end of book
NEWMAN MFG. CO., 420 Elm, Cincinnati, O.
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Novelty Sign Co. (Raised Letter), 21 W Pearl, Cincinnati, O.
Pacific Coast Stamp Wks., 912 3rd av, Seattle, Wash.
Pacific Rubber Stamp Co., 112 E 4th, Los Angeles, Cal.
Pioneer Metal & Glass Sign Co., 423 Hayes, San Francisco, Cal.
R. & S. Engraving & Die Works, 617-631 W Jackson blvd, Chicago, Ill.
See adv index at end of book
Ready-Made Sign Co., 45 Union sq N, New York
See adv index at end of book

Ready SIGN CO.
made over 2000 stock wordings
45 UNION SQUARE NORTH, NEW YORK

Reed & Skeppstrom, 625 W Jackson blvd, Chicago, Ill.
See adv index at end of book
Rutledge Geo. Co. (Brass Etched), 1819 Broadway, New York
St. Louis Brass Mfg. Co., Jefferson & Washington, St. Louis, Mo.
Schmutz Mfg. Co., Inc., 17th & Walnut, Louisville, Ky.
Schwerdtle Stamp Co., 43 Cannon, Bridgeport, Conn.
SHANK E. A. SIGN CO. (Designers and quantity manufacturers of attractive signs that increase sales), 243H W 55th, New York
See adv index at end of book
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.
Stout Sign Co. (Embossed), 2533H Sullivan av, St. Louis, Mo.
Turner Brass Works, Sycamore, Ill.
TYLER W. S. CO., Cleveland, O.
See adv index at end of book
Van Hoven John H. H. (Brass & Silver), 42 E 9th, New York
Western Rubber Stamp Co., Inc., 333 So Spring, Los Angeles, Cal.
Wis Iron & Wire Wks., 1660 Booth, Milwaukee, Wis.
Wood-Detroit Mfg. Co. (Business), Marquette bldg, Detroit, Mich.

13659— Signs (Car)

See also Signs, Enameled Steel

Adamant Steel Sign Co., 243H W 55th, New York
Baltimore Enamel & Novelty Co., Dept H Mt. Winans, Baltimore, Md.
Brill J. G. Co. (Reversible), 62nd & Woodland av, Phila., Pa.
Columbia Machine Works & Malleable Iron Co. ("Millen" Illuminated), Atlantic av & Chestnut, Brooklyn, N. Y.
Creaghead Engineering Co. (Indicating & Destination), 340 Main, Cincinnati, O.
Electric Service Supplies Co. ("Keystone"), 17th & Cambria, Phila., Pa.
FEDERAL ELECTRIC COMPANY, 8702 S State, Chicago
See adv index at end of book
General Porcelain Enameling & Mfg. Co., 4101-35 Parker av, Chicago, Ill.
Hunter Illuminated Car Sign Co. (Illuminated), Linden av, Flushing N. Y.
Ingram-Richardson Mfg. Co. (Car Destination, Enameled Iron), Beaver Falls, Pa. *See adv index at end of book*
Nelke L. D. Signs, New York, Inc., 1607 Everett bldg, New York
See adv index at end of book
New York Enameled Steel Sign Co., 47 E 17th, New York
Ready-Made Sign Co., 45 Union sq N, New York
See adv index at end of book
Royal Enameling Mfg. Co., Des Plaines, Ill.
St. Louis Car Co., 8000 N. B'way, St. Louis, Mo.
Shank E. A. Sign Co., 243H W 55th, New York
See adv index at end of book
Silica Enamel Sign Co., 128-34 Sidney, St. Louis, Mo.
U. S. Electric Signal Co. ("Henderson" Illuminated), West Newton, Mass.
Up-to-Date Advertising Co., Canisteo, N. Y.
Western Sand Blast Mfg. Co., 1458 W Kinzie, Chicago, Ill.

13660— Signs (Cardboard)

Brown Wm. Embossing Co. (Embossed Indoor Use), B'way & Elm, St. Lolis, Mo.
Chicago Show Card Wks., 406 S Dearborn, Chicago, Ill.
Cleveland-Akron Bag Co., Cleveland, O.
Easton Printing & Mfg Co., Dayton, O.
Fisher Adam Mfg. Co. (Novelty), 3624 Enright, St. Louis, Mo.
Harrison Co. (Paraffined), Union City, Ind.
Hartmann Robt. Co., Inc. (Embossed), 309 E 22nd, New York
Massillon-Cleveland-Akron Sign Co. (The), S Canal, Massillon, Ohio
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
NELKE L. D. SIGNS, NEW YORK, INC. (Plain & Waterproof), 1607 Everett bldg, New York
See adv index at end of book
Novelty Sign Co., 21 W Pearl, Cincinnati, O.
Permanent Advtg. Co. (Enameled), Reading, Pa.
Schulman Bros., 564-572 W Randolph, Chicago, Ill.
Standard Advertising Sign Co. (Plain & Waterproof), 1607 Everett bldg, New York
Up-to-Date Advertising Co. (Waterproof), Canisteo, N. Y.
Velvetone Poster Co. ("Velvetone"), 67 Main, San Francisco, Cal.

13661— Signs (Carved)

Spanjer Bros., 193 Badger av, Newark, N. J.

13662-3—Signs (Celluloid)

Baltimore Sign Co., 522 Pierce, Baltimore, Md.
Bastian Bros. Co. ("Pulveroid"), Rochester, N. Y.
Beach H. D. Co., Coshocton, O.
Ehrman Mfg. Co., 170 Summer, Boston,
General Advertising Co., Reading, Pa.
Meek J. F. Co., Coshocton, O.
Napier-Browning Co., 105 W 40th, New York
Standard Advertising Sign Co., 1607 Everett bldg, New York
Whitehead & Hoag Co., 272 Sussex av, Newark, N. J.

Signs (Cloth)

See Signs. Muslin

13664—Signs (Display Stands)

Nelke L. D. Signs, New York, Inc., 1607 Everett bldg, New York

NELKE
SIGN MANUFACTURERS SINCE 1861
1607 EVERETT B'LD'G - NEW YORK

13665—Signs (Electric Illuminated)

A. & W. Electric Sign Co. ("A. & W."), W 3d & Prospect av, Cleveland, O.
Adamant Steel Sign Co., 243H W 55th, New York
American Sign Co., Kalamazoo, Mich.
American Sign Works, 626 Plymouth ct, Chicago, Ill.
Baltimore Enamel & Novelty Co., 4 E Redwood, Baltimore, Md.
Betts & Betts Corp., 631H W 43d, New York
Bilt-Well Sign System Electric Co., 323 E 25th, New York
Bofinger Bros., 146 E 42d, New York
Brilliant Mfg. Co., 1035 Ridge av, Phila., Pa.
Brink C. I. (Inc.), 24 Gold, Boston, Mass.
Brumfield Electric Sign Co., 965 Folsom, San Francisco, Cal.
Buck C. H. & Co., 411 Dorchester av, Boston, Mass.
Canton Sign Co., 222 5th N E, Canton, Ohio
Chicago Electric Sign Co., 2225 W Grand, Chicago, Ill.
Chicago Railway Signal & Supply Co., 122H So Michigan av, Chicago, Ill.
Chris Sign & Wall Paper Co., Seattle, Wash.
Colonial Sign & Insulator Co., Akron, O.
Commercial Utilities & Mfg. Co., Worcester, Mass.
Common Sense Novelty Co., 2403 N Oakley, Chicago, Ill.
Consolidated Electric Sign Co., 115 N Desplaines, Chicago, Ill.
CUSACK THOMAS CO., 514 Loomis st, Chicago, Ill.
Dawes Electric Sign Mfg. Co., Arrot Pr., Pittsburgh, Pa.
Elliott Service Co., 244 W 49th, New York
Electric Carriage Call & Specialty Co. (Changeable & Permanent), Canal pl & 141st, New York
Electrical Products Corp., 1128 W 16th, Los Angeles, Cal.
FEDERAL ELECTRIC COMPANY, 8702 S State, Chicago
See adv index at end of book
Flashtric Sign Wks. (Interchangeable), 2126 Hudson, Chicago, Ill.
Fricker Fred, 428 11th av, New York
Frink, I. P., Inc., ("Polarite"), 10th av & 24th, New York
General Sign Co., 312 E 12th, Los Angeles, Cal.
Gillam M. M., 110 W 34, New York
Greenwood Advertising Co. ("Individuality"), 500 Charles pl, Knoxville, Tenn.
Greenwood System, Union & Charles, Knoxville, Tenn.
Holzer R. G. (Estate of), 317 Burgundy, New Orleans, La.
Horn W. J. Posting Sign System, Springfield, Ill.

Porcelain Enameled Steel Signs for Every Purpose

Never Need Repainting

Flat, Plain or Designed SIGNS of Porcelain Enamel on Steel. Eyelet Holes for Attaching as Desired. Any Color Combinations. Trade Marks and Emblems Accurately Reproduced.

Enameled in the Electric Furnaces of the Federal Electric Company—The World's Leading Electric Sign Manufacturers.

Porcelain Enameled Steel Electric Signs with Interior or Exterior Illumination.



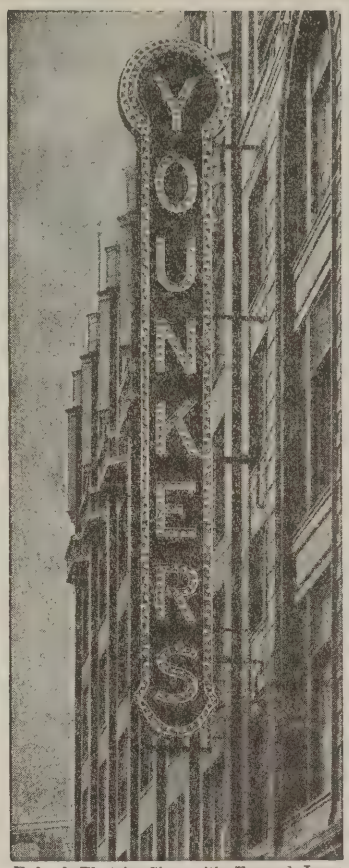
Quantity Prices and Production to Meet the Demands of National Distributors



TRANSFORMER STATION
KENTUCKY UTILITIES COMPANY
INCORPORATED
DANGER 33000 VOLTS

FEDERAL ELECTRIC COMPANY

8702 SOUTH STATE STREET CHICAGO, ILL.



Federal Electric Sign with Exposed Lamp Letters, Trough Construction and Flashing Border in Des Moines, Iowa.

Kirn G. C. Adv. Sign Co., 1303 Pine, St. Louis, Mo.
Klintz A. & Co., 905 W Randolph, Chicago, Ill.
Lyle Culvert & Road Equipment Co., ("Lyle"), 171 27th av S E, Minneapolis, Minn.
Martin P. J., 616 W 43rd, New York
Marx Zero Sign Works ("Zero"), 126 W Peoria, Chicago, Ill.
Metropolitan Eng. Co., 1250 Atlantic av, Brooklyn, N. Y.
Meyercord Co. (Advertising Specialties), 133 W Washington, Chicago, Ill.
MODEL PRODUCTS CO., 9th & Venango, Philadelphia, Pa.
Motley Bros. Elec. Co., 331 Monroe, Memphis, Tenn.
Myers Elwood Co., Springfield, O.
Newark Sign Co., 354 Park av, Newark, N. J.
Norden Elect. Sign Co. (Stage Announcers), 112 E 125th, New York
Novelty Electric Sign Co., 433 Turk, San Francisco, Cal.
Novelty Sign Co., 21 W Pearl, Cincinnati, O.
Opal Sign Co., 254 10th av, New York
Paige Sign Co., 101 Commercial, Worcester, Mass.
Providence Electric Mfg. Co., 23 Broad, Providence, R. I.
Quehl Sign Co., 318 Main, Cincinnati, O.
Rawson & Evans Co., 710 W Washington blvd, Chicago, Ill.
Schmook Harry B., Springfield, Mo.
SHANK SIGN CO., E. A. (Designers and quantity manufacturers of electric signs that bring profitable sales returns), 243H W 55th, New York
See adv index at end of book
Sign Ad Co., Geneva, N. Y.
Sign-O-Graph Mfg. Co., 431 S Dearborn, Chicago, Ill.
Smith-Hecht Sign Co., Jackson bl, Indianapolis, Ind.
Solar Elec. Co. (Canteen Globe), 54 W Lake, Chicago, Ill.
Strauss & Co., 616 W 43rd, New York
Tripp & Co., 33 N Wells, Chicago, Ill.
Universal Electric Stage Lighting Co., Inc., (Kliegl Bros.), 321 W 50th, New York
Viking Sign Co., 442 W 42nd, New York
Ward Fred J., 1309 W Broadway, Long Beach, Cal.
Western Display Co. ("Reflectric"), 301 Chestnut, St. Paul, Minn.
Western Sand Blast Mfg. Co., 1453 W Kinzie, Chicago, Ill.

13666—Signs (Enameled Iron)

Adamant Steel Sign Co., 243H W 55th, New York
Baltimore Enamel & Novelty Co., Dept H Mt. Winans, Baltimore, Md.
Burdick Enamel Sign Co., 220 S State, Chicago, Ill.
See adv index at end of book

The Burdick Enamel Sign Co.

Porcelain Enamel SIGNS of every description

Embossed and Light Weight Metal Signs

220 SOUTH STATE STREET CHICAGO, ILL.

California Metal Enameling Co,. 2151 E 51st, Los Angeles, Cal.
Enamel Products Co. (Advertising, etc), Eddy rd. & Taft av, Cleveland, Ohio
FEDERAL ELECTRIC COMPANY, 8702 S State, Chicago
See adv index at end of book
General Porcelain Enameling & Mfg. Co., 4101-35 Parker av, Chicago, Ill.
INGRAM-RICHARDSON MFG. CO. (Porcelain Enameled). Factory: Beaver Falls, Pa. *See adv index at end of book*
Kittle Mfg. Co., 643 Santa Fe av, Los Angeles, Cal.
Lyle Culvert & Road Equipment Co., ("Lyle"), 171 27th av S E, Minneapolis, Minn.
Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa.
See adv index at end of book
Moise-Klinker Co., 369 Market, San Francisco, Cal.
Nelke L. D. Signs, New York, Inc. (Also Tin, Etc.), 1607 Everett bldg, New York
See adv index at end of book

NELKE
SIGN MANUFACTURERS SINCE 1861
1607 EVERETT B'L'D'G - NEW YORK

New York Enameled Sign Co., 47 E 17th, New York
See adv index at end of book
Pacific Enameling & Mfg. Co. ("Cleanamel"), 880 60th, Oakland, Cal.
Porcelain Enamel & Mfg. Co. (Porcelain Enameled), O'Donnel & 8th, Baltimore, Md.
READY-MADE SIGN CO., 45 Union sq N, New York
See adv index at end of book
Royal Enameling Mfg. Co., Des Plaines, Ill.
Shank E. A. Sign Co., 243H W 55th, New York
See adv index at end of book

Sign Headquarters
E. A. SHANK SIGN CO.
Manufacturers of
Advertising Signs
243H WEST 55th STREET - NEW YORK
Embossed Metal-Enameled Iron — Framed Metal — Wood — Window Displays — Tin-Brass-Fibre-Muslin — Cardboard-Lithographed — Metal Display Stands

Shonk Charles W. Co., Maywood, Ill.
Silica Enamel Sign Co., 128-34 Sidney, St. Louis, Mo.

13667—Signs (Enameled Steel)

See also Signs, Car

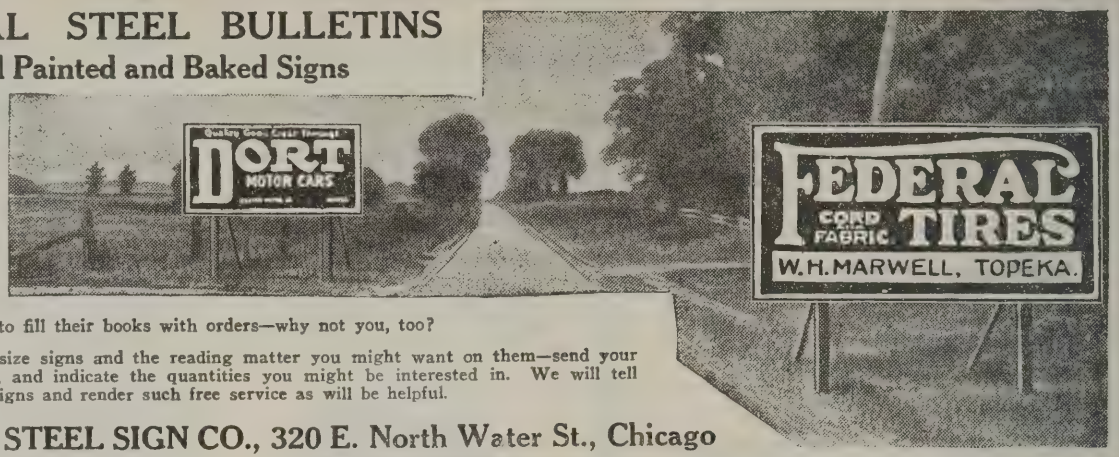
Adamant Steel Sign Co., 243H W 55th, New York
American La France Fire Engine Co. (Jobbers), Elmira, N. Y.
Baltimore Enamel & Novelty Co., Dept H Mt. Winans, Baltimore, Md.
Beaver Enameling Co., Factory av, Ellwood City, Pa.

(Continued on following page)

PICTORIAL STEEL BULLETINS

Enamel Painted and Baked Signs

We make all kinds of factory - made signs for advertising your products. Our signs are made at surprisingly low costs—this is the most economical and direct way to advertise what you have to sell. It is helping thousands of large manufacturers to fill their books with orders—why not you, too?



Write us today the size signs and the reading matter you might want on them—send your trademarks, pictures, and indicate the quantities you might be interested in. We will tell you the cost of the signs and render such free service as will be helpful.

ENAMELED STEEL SIGN CO., 320 E. North Water St., Chicago

Signs (Enameled Steel)—Continued

Brilliant Mfg. Co., 1035 Ridge av, Phila., Pa.
Buffalo Porcelain Enameling Corp., 1927 Elmwood av, Buffalo, N. Y.
Burdick Enamel Sign Co., 220 S State, Chicago, Ill.
See adv index at end of book
California Metal Enameling Co. ("Cameo" Porcelain), 2151 E 51st, Los Angeles, Cal.
CUSACK THOS. CO., 514 Loomis st, Chicago, Ill.
Dawes Electric Sign Mfg. Co., Arrott Pr., Pittsburgh, Pa.
ENAMELED STEEL SIGN CO., 320 E North Water st, Chicago, Ill.
See adv index at end of book
FEDERAL ELECTRIC COMPANY, 8702 S State, Chicago
See adv index at end of book
General Porcelain Enameling & Mfg. Co., 4101-35 Parker av, Chicago, Ill.
INGRAM RICHARDSON MFG. CO., Beaver Falls, Pa.
See adv index at end of book
Manhattan Dial Mfg. Co., 40 Lexington av, Brooklyn, N. Y.
Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa.
See adv index at end of book
Moise-Klinkner Co., 369 Market, San Francisco, Cal.
Nelke L. D. Signs, New York, Inc., 1607 Everett bldg, New York
See adv index at end of book

NELKE
SIGN MANUFACTURERS SINCE 1861
1607 EVERETT B'L'D'G - NEW YORK

NEW YORK ENAMELED STEEL SIGN CO., 47 E 17th St, New York
See adv index at end of book

NEW YORK ENAMELED STEEL SIGN CO.
39 East 17th St., New York

Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Pacific Enameling & Mfg. Co. ("Cleanamel"), 880 60th, Oakland, Cal.
Passaic Metal Ware Co., Passaic, N. J.
Porcelain Enamel & Mfg. Co., 8th & O'Donnell, Baltimore, Md.
Ready-Made Sign Co., 45 Union sq N, New York
See adv index at end of book
Safety First Supply Co., 107H Third av, Pittsburgh, Pa.
Saks Stamping Co., Huntington, W. Va.
SHANK SIGN CO., E. A. (Designers and quantity manufacturers of durable porcelain enamel steel signs that bring profitable sales returns), 243H W 55th, New York
Silica Enamel Sign Co., 123-34 Sidney, St. Louis, Mo.
Stonehouse Steel Sign Co., 842 Larimer, Denver, Colo.

13668—Signs (Etched Metal)

Abbott W. H., 46 Greenwich av, New York
Adamant Steel Sign Co., 243H W 55th, New York
Baltimore Enamel & Novelty Co., Dept. H, Mt. Winans, Baltimore, Md.
Buck C. H. & Co., 411 Dorchester av, Boston, Mass.
Charles Sign Co., 1453 W Kinzie, Chicago, Ill.
Dayton Stencil Works, Dayton, O.
Dickey Grabler Works of the Bankers Savings & Credit System Co., W. Madison & 103rd, Cleveland, Ohio
Electro Chemical Engraving Co., 450 19th, Brooklyn, N. Y.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa. *See adv index at end of book*
Metallograph Corp., 52 Vanderbilt, New York
Name-Plate Co., 125H Fulton, New York
NELKE L. D. SIGNS, NEW YORK, INC., 1607 Everett bldg, New York
See adv index at end of book
Newman Mfg. Co., 420 Elm, Cincinnati, Ohio
Ready-Made Sign Co., 45 Union sq N, New York
See adv index at end of book
Rutledge Geo. Co., 1819 B'way, New York
SHANK SIGN CO., E. A., 243H W 55th, New York
See adv index at end of book
Shonk Chas. W. Co., Maywood, Ill.

13669—Signs (Fence Board)

Adamant Steel Sign Co., 243H W 55th, New York
Baltimore Enamel & Novelty Co., Dept H Mt. Winans, Baltimore, Md.
Cleveland-Akron Bag Co., Cleveland, O.
Enameled Steel Sign Co., 320 E North Water st, Chicago, Ill.
See adv index at end of book
Lyle Culvert & Road Equipt. Co. (Road), 171 27th av South East, Minneapolis, Minn.
NELKE L. D. SIGNS, NEW YORK, INC., 1607 Everett bldg, New York
See adv index at end of book
SHANK SIGN CO., E. A., 243H W 55th, New York
See adv index at end of book
Up-to-date Advertising Co., Canisteo, N. Y.

13670— Signs (Fibre)

See also Signs, Cardboard

Adamant Steel Sign Co., 243H W 55th, New York
Nelke L. D. Signs, New York, Inc. (Folded Edge), 1607 Everett bldg, New York
See adv index at end of book

NELKE
SIGN MANUFACTURERS SINCE 1861
1607 EVERETT B'L'D'G - NEW YORK

Shank E. A. Sign Co., 243H W 55th, New York
See adv index at end of book
Standard Advertising Sign Co. (Folded Edge), 1607 Everett bldg, New York
Up-to-Date Advertising Co., Canisteo, N. Y.

13670a—Signs (Framed Metal Bulletin)

Adamant Steel Sign Co., 243H W 55th, New York
CUSACK THOS. CO., 514 Loomis st, Chicago, Ill.
ENAMELED STEEL SIGN CO., 320 E North Water st, Chicago, Ill.
See adv index at end of book
Nelke L. D. Signs, New York, Inc., 1607 Everett bldg, New York
See adv index at end of book

NELKE
SIGN MANUFACTURERS SINCE 1861
1607 EVERETT B'L'D'G - NEW YORK

Shank Sign Co. E. A. (Designers and quantity manufacturers of durable signs that bring profitable sales returns), 243H W 55th, New York
See adv index at end of book

Sign Headquarters
E. A. SHANK SIGN CO.
Manufacturers of
Advertising Signs
243H WEST 55th STREET - NEW YORK
Embossed Metal-Enameled Iron Framed Metal — Wood — Window Displays
Tin-Brass-Fibre-Muslin — Cardboard-Lithographed — Metal Display Stands

Standard Advertising Sign Co., 16 W 36th, New York
Up-to-date Advertising Co., Canisteo, N. Y.

13671-2— Signs (Glass)

Adamant Steel Sign Co., 243H W 55th, New York
American Sign Co., 1512 S Los Angeles, Los Angeles, Cal.
Asbury Glass Sign Co., 48 Hudson, New York
Buck C. H. & Co., 411 Dorchester av, Boston, Mass.
Charles Sign Co., 1453 W Kinzie, Chicago, Ill.
Cincinnati Advtg. Pad. Co., 1101 York, Cincinnati, Ohio
Clifford Chas. E. Co., Inc. ("Kerm-Cert"), 3303 S Park, Los Angeles, Cal.
CUSACK THOS. CO., 514 Loomis st, Chicago, Ill.
Dawes Electric Sign Mfg. Co., Arrot Pr., Pittsburgh, Pa.
Denzi & Phillips, 39 Vesey, New York
Economy Advtg. Co. (Iluminated), Centralia, Ill.
Empire Ornamental Glass Co., 528 Greenwich, New York
Forman Co., 48H W B'way, New York
Frink I. P., Inc. ("Polarite"), 10th av & 24th, New York
Gen. Glass Mfg. Co., 355 Union Park ct, Chicago, Ill.
Herrlein & Henrich Co. (All Kinds for All Purposes), 37 Greene, New York
Home Art Glass Wks., 290 14th, San Francisco, Cal.
Jones Decorative Glass Co., 231 Hudson av, Brooklyn, N. Y.
Mansfield & Co., 229 West, New York
Moise-Klinkner Co., 369 Market, San Francisco, Cal.
Novelty Sign Co., 21 W Pearl, Cincinnati, O.
Opal Sign Co. (Illuminated), 354 10th av, New York
Photoplating Co., Minneapolis, Minn.
Pioneer Metal & Glass Sign Co., 423 Hayes, San Francisco, Cal.
Rutledge Geo. Co., 1819 B'way, New York
Shank Sign Co., E. A., 243H W 55th, New York
See adv index at end of book
Solar Elec. Co. (Illuminated), 54 W Lake, Chicago, Ill.
Western Sand Blast Mfg. Co., 1453 W Kinzie, Chicago, Ill.
Wunder J. & Co., 549 Federal, Chicago, Ill.

13673—Signs (Litho. Metal)

Adamant Steel Sign Co., 243H W 55th, New York
American Art Sign Co., 201 37th, Brooklyn, N. Y.
Am. Art Wks., Coshocton, Ohio
Baltimore Enamel & Novelty Co., Dept. H, Mt. Winans, Baltimore, Md.
Beach H. D. Co., Coshocton, O.
Crown Cork & Seal Co., 1511 Guilford av, Baltimore, Md.
Meek J. F. Co., The, Coshocton, O.
Martin & Martin, 3015-17 Carroll av, Chicago, Ill.
Massillon-Cleveland-Akron Sign Co. (The), S Canal, Massillon, Ohio
Metallograph Corp., 52 Vanderbilt, New York
Metzger M. Co., 3264 W Lake, Chicago, Ill.
Nelke L. D. Signs, New York, Inc., 1607 Everett bldg, New York
See adv index at end of book

NELKE
SIGN MANUFACTURERS SINCE 1861
1607 EVERETT B'L'D'G - NEW YORK

Newman Mfg. Co., 420 Elm, Cincinnati, O.
Niagara Litho. Co., 1050 Niagara, Buffalo, N. Y.
Ohio Art Co., Bryan, Ohio
St. Louis Tin & Sheet Metal Working Co., St. Louis, Mo.
SHANK SIGN CO., E. A., 243H W 55th, New York
See adv index at end of book
Shonk Chas. W. Co., Maywood, Ill.
Scioto Sign Co., Kenton, Ohio
Southern Can Co., 717 S Wolfe, Baltimore, Md.
Standard Advertising Sign Co., 1607 Everett bldg, New York
Stout Sign Co., 2533 Sullivan av, St. Louis, Mo.
Wilkes-Barre Can Co., Penna. av & Butler, Wilkes-Barre, Pa.
Winters Signs & Novelty Co., Springfield, O.

13674— Signs (Metal, Etc.)

Ackermann Geo. & Sons Co., 1908 W 8th st, Cincinnati, O.
Adamant Steel Sign Co., 243H W 55th, New York
Adams S. G. Stamp & Stationery Co., 412 N 6th, St. Louis, Mo.
American Art Works, Coshocton, O.
American La France Fire Engine Co. (Jobbers), Elmira, N. Y.
Automatic Signal & Sign Co., 11th & S Michigan av, Chicago, Ill.
Baltimore Enamel & Novelty Co., Dept. H, Winans, Baltimore, Md.
Baltimore Sign Co., 522 Pierce, Baltimore, Md.
Bofinger Bros., 146 E 42d, New York
Brink C. I. (Inc.), 24 Gold, Boston, Mass.
Bryan Co., 2120 E 19th, Cleveland, O.
Buck C. H. & Co., 411 Dorchester av, Boston, Mass.
Buffalo Porcelain Enameling Corp., 1927 Elmwood av, Buffalo, N. Y.
Burdick Enamel Sign Co., 220 S State, *See adv index at end of book*
California Metal Enameling Co., 2151 E 51st, Los Angeles, Cal.
Central Wire & Iron Works, 309 Gratiot, St. Louis, Mo.
Chicago Metal Sign Co., 20 N Wells, Chicago, Ill.
Coast Culvert & Flume Co., Col. blvd & Derby, Portland, Ore.
Dickey Grabler Works, W Madison & 103d rd, Cleveland, Ohio
Dow Co., 201H N Buchanan, Louisville, Ky.
ENAMELED STEEL SIGN CO., 320 E North Water st, Chicago, Ill.
See adv index at end of book
FEDERAL ELECTRIC COMPANY, 8702 S State, Chicago
See adv index at end of book
Fidelity Can Co. (Decorative Tin), 600H S Caroline, Baltimore, Md.
Forman Co., 48H W B'way, New York
General Porcelain Enameling & Mfg. Co., 4101-35 Parker av, Chicago, Ill.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Hardesty R. Mfg. Co., 3063 Blake, Denver, Col.
Heath J. S. Co., Ontario & Franklin, Chicago, Ill.
Ingram Richardson Mfg. Co. ("Ing-Rich"), Beaver Falls, Pa.
See adv index at end of book
Irwin-Hodson Co., 115 N 15th, Portland, Ore.
Jones Trevor F. & Co., 165 Spring, New York
Kittle Mfg. Co., 643 Santa Fe av, Los Angeles, Cal.
Lasar Mfg. Co., 1313 N 16th, St. Louis, Mo.
Louisiana Metal Cabinet Works, New Orleans, La.
Lyle Culvert & Road Equipment Co. ("Lyle"), 171 27th av S E, Minneapolis, Minn.
Massillon-Cleveland-Akron Sign Co. (The), S Canal, Massillon, Ohio
Matthews Jas. H. & Co. (Cast, Brass, Raised Letters), 3942 Forbes, Pittsburgh, Pa. *See adv index at end of book*
Metal Sign Adv. Co., H East Hill, Muscatine, Ia.
Metal Sign Board Co. (Road & Advertising Signs), Kalamazoo, Mich.
Mayer Geo. J. Co., 2030 N Alabama, Indianapolis, Ind.
Meyers Fred J. Mfg. Co., Hamilton, O.
Moise-Klinkner Co., 369 Market, San Francisco, Cal.
Murrell Mfg. Co., Long Island City, N. Y.
Myers Elwood Co., Springfield, O.
National Art Works ("Brass Etch" Indoor), Covington, Ky.
National Sign Co., Dayton, O.
Nelke L. D. Signs, New York, Inc., 1607 Everett bldg, New York
See adv index at end of book

NELKE
SIGN MANUFACTURERS SINCE 1861
1607 EVERETT B'L'D'G - NEW YORK

Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Northfield Iron Co. (Road), Northfield, Minn.
Pacific Enameling & Mfg Co ("Cleanamel"), 880 60th, Oakland, Cal.
Passaic Metal Ware Co. (Steel), Passaic, N. J.
Photoplating Co., 215 N E 5th, Minneapolis, Minn.
Pioneer Metal & Glass Sign Co., 423 Hayes, San Francisco, Cal.
Ready-Made Sign Co., 45 Union sq N, New York
See adv index at end of book
Shank E. A. Sign Co. (Designers and quantity manufacturers of durable signs that bring profitable sales returns), 243H W 55th, New York
See adv index at end of book

Sign Headquarters
E. A. SHANK SIGN CO.
Manufacturers of
Advertising Signs
243H WEST 55th STREET - NEW YORK
Embossed Metal-Enameled Iron Framed Metal — Wood — Window Displays
Tin-Brass-Fibre-Muslin — Cardboard-Lithographed-Metal Display Stands

Stanley Mfg. Co. (Display), 46 Cannon, Dayton, O.
Stonehouse Steel Sign Co., 842 Larimer, Denver, Colo.
TYLER W. S. CO., Cleveland, O.
See adv index at end of book
Up-to-Date Advertising Co. (Embossed, etc), Canisteo, N. Y.
Van Toven John H. H. (Brass & Silver), 42 E 9th, New York
Western Sand Blast Mfg. Co., 1458 W. Kinsie, Chicago, Ill.

13674a—Signs (Metal, Paint Printed)

Adamant Steel Sign Co., 243H W 55th, New York
American La France Fire Engine Co. Inc., Elmira, N. Y.
Baltimore Enamel & Novelty Co., Dept. H, Mt. Winans, Baltimore, Md.
Brilliant Mfg. Co. (Steel), 1045 Ridge av, Phila., Pa.
ENAMELED STEEL SIGN CO., 320 E North Water st, Chicago, Ill.
See adv index at end of book
Kittle Mfg. Co., 643 Santa Fe av, Los Angeles, Cal.
Metal Sign Adv. Co., H East Hill, Muscatine, Ia.
Nelke L. D. Signs, New York, Inc., 1607 Everett bldg, New York
See adv index at end of book

NELKE
SIGN MANUFACTURERS SINCE 1861
1607 EVERETT B'L'D'G - NEW YORK

SHANK SIGN CO., E. A. (Designers and quantity manufacturers of durable signs that bring profitable sales returns), 243H W 55th, New York
See adv index at end of book
Standard Advertising Sign Co., 1607 Everett bldg, New York
Up-to-Date Avertising Co., Canisteo, N. Y.

13674b— Signs (Municipal)

Adamant Steel Sign Co., 243H W 55th, New York
Burdick Enamel Sign Co., 220 S State, Chicago, Ill.
See adv index at end of book
California Metal Enameling Co., 2151 E 51st, Los Angeles, Cal.
Enameled Steel Sign Co., 320 E North Water st, Chicago, Ill.
See adv index at end of book
General Porcelain Enameling & Mfg. Co., 4101-35 Parker av, Chicago, Ill.
Ingram-Richardson Mfg. Co., Beaver Falls, Pa. *See adv index at end of book*
Lyle Culvert & Road Equipment Co. ("Lyle"), 171 27th av S E, Minneapolis, Minn.
Nelke L. D. Signs, New York, Inc., 1607 Everett bldg, New York
See adv index at end of book
New York Enameled Steel Sign Co., 47 E 17th st, New York
See adv index at end of book
Pacific Enameling & Mfg. Co. ("Cleanamel"), 880 60th, Oakland, Cal.
Ready-Made Sign Co., 45 Union sq N, New York
See adv index at end of book

Ready SIGN CO.
made over 2000 stock wordings
45 UNION SQUARE NORTH, NEW YORK

Shank Sign Co., E. A., 243H W 55th, New York
See adv index at end of book
Silica Enamel Sign Co., 128-34 Sidney, St. Louis, Mo.

13675— Signs (Muslin)

Adamant Steel Sign Co., 243H W 55th, New York
Baltimore Sign Co., 522 Pierce, Baltimore, Md.
Bryan Co., 2120 E 19th, Cleveland, O.
Cleveland-Akron Bag Co., Cleveland, O.
Cross Press & Sign Co., 827 Rees, Chicago, Ill.
Geraghty & Co., 3035 W Lake, Chicago, Ill.
Marx Zero Sign Works, 126 N Peoria, Chicago, Ill.
Massillon-Cleveland-Akron Sign Co. (The), S Canal, Massillon, Ohio
Millhiser Bag Co., Richond, Va.
NELKE L. D. SIGNS, NEW YORK, INC. (Also Oilcloth), 1607 Everett bldg, New York
See adv index at end of book
Newell L. B., 170 Summer, Boston, Mass.
Novelty Sign Co., 21 W Pearl, Cincinnati, O.
Parker & Granville Ithaca, N. Y.
SHANK SIGN CO., E. A., 243H W 55th, New York
See adv index at end of book
Stanford-Crowell Co., Ithaca, N Y.
Up-to-Date Advertising Co., Canisteo, N. Y.

13675a— Signs (Parking)

Automatic Signal & Sign Co., 11th & S Michigan av, Chicago, Ill.

13676—Signs (Post Office)

Eagle Lock Co., Terryville, Conn.

13676a— Signs (Railroad)

Adamant Steel Sign Co., 243H W 55th, New York
Enameled Steel Sign Co., 320 E North Water st, Chicago, Ill.
See adv index at end of book
FEDERAL ELECTRIC COMPANY, 8702 S State, Chicago
See adv index at end of book
General Porcelain Enameling & Mfg. Co., 4101-35 Parker av, Chicago, Ill.
Lyle Culvert & Road Equipment Co. ("Lyle"), 171 27th av S E, Minneapolis, Minn.
Nelke L. D. Signs, New York, Inc., 1607 Everett bldg, New York
See adv index at end of book
New York Enameled Steel Sign Co., 47 E 17th st, New York
See adv index at end of book
Ready-Made Sign Co., 45 Union sq N, New York
See adv index at end of book
Shank Sign Co., E. A., 243H W 55th, New York
See adv index at end of book
Silica Enamel Sign Co., 128-34 Sidney, St. Louis, Mo.
Stout Sign Co., 2533H Sullivan av, St. Louis, Mo.

Signs (Raised Letter Metal)

See Signs, Brass & Bronze.

13677—Signs (Rotary Wind)

Warner Co., Muncie, Ind.

13678—Signs (Safety First)

Adamant Steel Sign Co., 243H W 55th, New York
American La France Fire Engine Co. (Jobbers), Elmira, N. Y.
Baltimore Enamel & Novelty Co., Dept. H, Mt. Winans, Baltimore, Md.
Enameled Steel Sign Co., 320 E North Water st, Chicago, Ill.
See adv index at end of book

(Continued on following page)

Signs (Safety First)—Continued

FEDERAL ELECTRIC COMPANY, 8702 S State, Chicago
See adv index at end of book

General Porcelain Enameling & Mfg. Co., 4101-35 Parker av, Chicago, Ill.

Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*

INGRAM-RICHARDSON MFG. CO. ("Porcelain Enameled Iron Signs for Factories"), Beaver Falls, Pa.
See adv index at end of book

Lyle Culvert & Road Equipment Co. ("Lyle"), 171 27th av S E, Minneapolis, Minn.

Nelke L. D. Signs, New York, Inc., 1607 Everett bldg, New York
See adv index at end of book

New York Enameled Steel Sign Co., 47 E 17th st, New York
See adv index at end of book

Pacific Enameling & Mfg. Co. ("Cleanamel"), 880 60th, Oakland, Cal.

Ready-Made Sign Co., 45 Union sq N, New York
See adv index at end of book

Ready made SIGN CO.
over 2000 stock wordings
45 UNION SQUARE NORTH, NEW YORK

Safety Fire Extinguisher Co., 295 7th av, New York

Safety First Supply Co., 107H Third av, Pittsburgh, Pa.

Shank E. A. Sign Co., 243H W 55th, New York
See adv index at end of book

Silica Enamel Sign Co., 128-34 Sidney, St. Louis, Mo.

13678a—Signs (Safety Zone)

Automatic Signal & Sign Co., 11th & S Michigan av, Chicago, Ill.

13679— Signs (Street)

Adamant Steel Sign Co., 243H W 55th, New York

Automatic Signal & Sign Co., 11th & S Michigan av, Chicago, Ill.

Baltimore Enamel & Novelty Co. (Enameled Iron Street Names), Dept. H, Mt. Winans, Baltimore, Md.

Behringer Edw. A. Inc., 98 Park pl, New York

Borreson Mfg. Co., St. Paul, Minn.

Buffalo Porcelain Enameling Corp., 1827 Elmwood av, Buffalo, N. Y.

BURDICK ENAMEL SIGN CO., 220 S State, Chicago
See adv index at end of book

California Corrugated Culvert Co. ("Calco") Berkeley & Los Angeles, Cal.

California Metal Enameling Co., 2151 E 51st, Los Angeles, Cal.

Enamel Products Co. (Enameled Iron), Eddy rd & Taft av, Cleveland, Ohio

ENAMELED STEEL SIGN CO., 320 E North Water st, Chicago, Ill.
See adv index at end of book

FEDERAL ELECTRIC COMPANY, 8702 S State, Chicago

General Porcelain Enameling & Mfg. Co., 4101-35 Parker av, Chicago, Ill.

Georgia Webbing & Tape Co., Dept. H, Columbus, Ga.

INGRAM-RICHARDSON MFG. CO. (Blue & White Porcelain Enameled Iron, Street Names, etc), Beaver Falls, Pa.
See adv index at end of book

Irwin-Hodson Co., 115 N 15th, Portland, Ore.

Lyle Culvert & Road Equipment Co. ("Lyle"), 171 27th av S E, Minneapolis, Minn.

Moise-Klinkner Co., 369H Market, San Francisco, Cal.

Nelke L. D. Signs, New York, Inc., 1607 Everett bldg, New York
See adv index at end of book

NEW YORK ENAMELED STEEL SIGN CO., 47 E 17th st, New York
See adv index at end of book

Niagara Falls Metal Stamping Works (Name) Niagara Falls, N. Y.

Pacific Enameling & Mfg. Co. ("Cleanamel"), 880 60th, Oakland, Cal.

R. & S. Engraving & Die Works, 617-631 W Jackson blvd, Chicago, Ill.
See adv index at end of book

READY-MADE SIGN CO., 45 Union sq N, New York
See adv index at end of book

Reed & Skeppstrom, 625 W Jackson blvd, Chicago, Ill.
See adv index at end of book

Roberts D. E., Racine, Wis.

Shank Sign Co., E. A. (Manufacturers of longlife street signs), 243H W 55th, New York
See adv index at end of book

Silica Enamel Sign Co., 128-34 Sidney, St. Louis, Mo.

Stonehouse Steel Sign Co., 842 Larimer, Denver, Colo.

13680— Signs (Talking)

Electric Carriage Call & Specialty Co., Canal & 141st, New York

Lyle Culvert & Road Equipment Co. ("Lyle"), 171 27th av S E, Minneapolis, Minn.

13680a—Signs (Translucent)

Nelke L. D. Signs, New York, Inc. (Window), 1607 Everett bldg, New York
See adv index at end of book

Translucent Window Sign Co. (Imp.), 17 W 20th, New York

Wrobbel-Maine Co., 3106 E 63rd, Cleveland, Ohio

13680b— Signs (Traffic)

Adamant Steel Sign Co., 243H W 55th, New York

Automatic Signal & Sign Co., 11th & S Michigan av, Chicago, Ill.

Enameled Steel Sign Co., 320 E North Water st, Chicago, Ill.
See adv index at end of book

FEDERAL ELECTRIC COMPANY, 8702 S State, Chicago
See adv index at end of book

General Porcelain Enameling & Mfg. Co., 4101-35 Parker av, Chicago, Ill.

Nelke L. D. Signs, New York, Inc., 1607 Everett bldg, New York
See adv index at end of book

NEW YORK ENAMELED STEEL SIGN CO., 47 E 17th st, New York
See adv index at end of book

READY-MADE SIGN CO., 45 Union sq N, New York
See adv index at end of book

Shank Sign Co., E. A., 243H W 55th, New York
See adv index at end of book

Silica Enamel Sign Co., 128-34 Sidney, St. Louis, Mo.

Traffic Sign & Signal Co. ("Silent Policemen"), Gloucester, Mass.

13681— Signs (Warning)

Adamant Steel Sign Co., 243H W 55th, New York

American La France Fire Engine Co. (Jobbers), Elmira, N. Y.

Automatic Signal & Sign Co., 11th & S Michigan av, Chicago, Ill.

Baltimore Enamel & Novelty Co., Dept. H, Mt. Winans, Baltimore, Md.

Barnum E. T. Iron & Wire Wks., 4612 Woodward av, Detroit, Mich.

BURDICK ENAMEL SIGN CO., 220 S State, Chicago, Ill.
See adv index at end of book

Enameled Steel Sign Co., 320 E North Water st, Chicago, Ill.
See adv index at end of book

FEDERAL ELECTRIC COMPANY, 8702 S State, Chicago
See adv index at end of book

General Porcelain Enameling & Mfg. Co., 4101-35 Parker av, Chicago, Ill.

Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*

Ingram-Richardson Mfg. Co., Beaver Falls, Pa. *See adv index at end of book*

Lyle Culvert & Road Equipment Co. ("Lyle"), 171 27th av S E, Minneapolis, Minn.

Ready-Made Sign Co., 45 Union sq N, New York
See adv index at end of book

Ready made SIGN CO.
over 2000 stock wordings
45 UNION SQUARE NORTH, NEW YORK

Safety First Supply Co., 107H Third av, Pittsburgh, Pa.

Shank Sign Co., E. A., 243H W 55th, New York
See adv index at end of book

Silica Enamel Sign Co., 128-34 Sidney, St. Louis, Mo.

Stout Sign Co. (Flange), 2533H Sullivan av, St. Louis, Mo.

13682— Signs (Wire)

Badger Wire & Iron Works, 25th av & Cleveland, Milwaukee, Wis.

Barnum E. T. Wire & Iron Works, 4612 Woodward, Detroit, Mich.

Bigelow Cheney Wire Works, 417 Liberty, Springfield, Mass.

Bryan Co., 2120 E 19th, Cleveland, O.

Buffalo Wire Works Co. (Roof, etc), 453 Terrace, Buffalo, N. Y.
See adv index at end of book

Cincinnati Mfg. Co., Cincinnati, O.

Columbia Iron & Wire Works Co., 1006 9th S W, Canton, O.

Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book

Dow Co., 201H N Buchanan, Louisville, Ky.

Inglis Wm. Wire & Iron Works, 61 Woodbridge av, Detroit, Mich.

MEYERS FRED J. MFG. CO., Hamilton, Ohio

Novelty Sign Co., 21 W Pearl, Cincinnati, O.

Phoenix Wire Works, Kirby & Dequindre, Detroit, Mich.

Portage Iron & Wire Co., 1131 Johnston, Akron, Ohio

Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book

Southwest Wire & Iron Works Co., 1722 Tracy, Kansas City, Mo.

Spanjer Bros., 198 Badger av, Newark, N. J.

TYLER W. S. CO. (Roof, etc), Cleveland, Ohio. *See adv index at end of book*

Wisconsin Iron & Wire Works, Milwaukee, Wis.

13682a— Signs (Wire Roof)

BUFFALO WIRE WORKS CO., 453 Terrace, Buffalo, N. Y.
See adv index at end of book

Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book

13683— Signs (Wood)

Adamant Steel Sign Co., 243H W 55th, New York

Buck C. H. & Co., 411 Dorchester av, Boston, Mass.

Cincinnati Advtg. Prod. Co. (Wood Panel), Cincinnati, O.

CUSACK THOS. CO., 514 Loomis st, Chicago, Ill.

Forman Co., 43H W B'way, New York

Moise-Klinkner Co., 369 Market, San Francisco, Cal.

Natl. Sign Co., Dayton, O.

Nelke L. D. Signs, New York, Inc. (Machine Painted), 1607 Everett bldg, New York
See adv index at end of book

NELKE
SIGN MANUFACTURERS SINCE 1861
1607 EVERETT B'LD'G - NEW YORK

Shank Sign Co., E. A. (Quantity manufacturers of durable signs that increase sales), 243H W 55th, New York
See adv index at end of book

Up-to-Date Advertising Co., Canisteo, N. Y.

13684—Signs (Wood Letter)

California Wood Carving Co., 1123 Howard, San Francisco, Cal.

Spanjer Bros. (Also Figures, Trade-Marks, etc.), 198 Badger av, Newark, N. J.

13685—Signs & Letters (Prismatic Metal)

Herrlein & Henrich Co., 37H Greene, New York

Viking Sign Co., 442 W 42nd, New York

13686— Silencers (Gun)

Maxim Silencer Co., Hartford, Conn.

13686a—Silencers (Motor Boat)

Geuder Paeschke & Frey Co., 1314-1730 St. Paul av, Milwaukee, Wis.
See adv index at end of book

Gordon Propeller & Mfg. Co., 9901 Desmond av, Cleveland, O.

Hydrex Silent Exhaust Works (Mfrs. & Patentees "Hydrex,"), Roslyn, Pa.

Laughlin Thos. Co. ("Vapo"), 135 Fore, Portland, Me. *See adv index at end of book*

Naval Co. ("Hydrex," "Silxo"), Roslyn, Pa.

WILCOX CRITTENDEN & CO. INC. ("Maxim"), 444 S Main, Middletown, Conn. *See adv index at end of book*

13687— Silex

Am. Flint Co., Iron City, Tenn.

Chrystal Chas. B. Co. Inc. (Jobbers), 13 Cliff, New York
See adv index at end of book

Eureka Flint & Spar Co. (Floated), Trenton, N. J.

Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*

Hammill & Gillespie (Job), 240 Front, New York

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book

International Silica Co., Cairo, Ill.

National Silica Works, Berkeley Springs, W. Va.

Nevins Sam'l Co., 109 S 2d, Phila., Pa.

New England Quartz Co. of N. Y., 150 Nassau, New York

Products Sales Co., Equitable bldg, Baltimore, Md.

Salomon L. A. & Bro. (Imp.), 216 Pearl, New York

Special Service Flooring Corp., 2009 Grand Central Terminal, New York

Wagner Charles A. Co., Inc., 812 Noble, Phila., Pa.

Wausau Quartz Co., Wausau, Wis.

Whitaker Clark & Daniels Inc. (Jobbers), 250 Front, New York

Wiarda John C. & Co. (Ground), 83 Provost, Brooklyn, N. Y.
See adv index at end of book

13688— Silica (Fused)

Engelhard Chas. (Agents), 30 Church, New York
HANOVIA CHEMICAL & MANUFACTURING CO., 100 Chestnut, Newark, N. J.
Lenz Apparatus Co., 9 E 16th, New York
Sidio Co. of America, 37 Murray, New York
Thermal Syndicate, Ltd. ("Vitreosil," Imp.), 58 Schenectady, New York
Wilson-Maeulen Co. (Imp), 511 E 145th, New York

13689-90-1—Silica Mfrs.

Beach City Silica Sand Co., Beach City, Ohio
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
California Master Products Co., Alameda & Slawson av, Los Angeles, Cal.
Dolomite Products Co., 1110 Euclid av, Cleveland, O.
Edge Hill Silica Rock Co., New Brunswick, N. J.
Eureka Flint & Spar Co. (Floated), Trenton, N. J.
Harbison-Walker Refractories Co., H Farmers' Bank bldg, Pittsburgh, Pa.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Hill C. W. Chemical Co., 405 E 3rd, Los Angeles, Cal.
Hoosac Marble Co., North Adams, Mass.
Illinois Mineral Mining Co., E St. Louis, Ill.
Innis Speiden & Co. Inc. (Soft), 46 Cliff, New York
International Silica Co., Cairo, Ill.
Isco-Bautz Co. (Soft), 46 Cliff, New York
McCormick J. S. Co., 25th & A. V. R. R., Pittsburgh, Pa.
National Silica Co., Dept. H, Oregon, Ill.
Nevins Samuel Co., 109 S 2d, Phila, Pa.
New England Quartz Co. of N. Y., 150 Nassau, New York
New Jersey Pulverizing Co., 15 Park Row, New York
Ohio Marble Co., Piqua, Ohio
Palin & Son, 2101 Edison av, Tacoma, Wash.
Parker-Russell Mining & Mfg. Co., 3300 Moyanford, St. Louis, Mo.
Salomon L. A. & Bro., 216 Pearl, New York
Scheel Wm. H. (Imported), 179 Water, New York *See adv index at end of book*
Standard Silicon Co., Ridgway, Pa.
Tamms Silica Co., Stock Exchange bldg, Chicago, Ill.
United States Silica Co., 122 S Michigan av, Chicago, Ill.
Wagner Charles A. Co. Inc., 222H N Front, Phila., Pa.
Wausau Quartz Co., Wausau, Wis.
Wedron Silica Co., 36 S Dearborn, Chicago
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

Silicate of Carbon

See Carbon Black Mfrs.

Silicate of Soda

See Sodium Silicate

13692-3-4-5—Silico Manganese

Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Lavino E. J. & Co., Bullitt bldg, Phila., Pa.

13696—Silicon (Calcium Refined, Manganese & Zirconium & Miscellaneous Alloys)

ELECTRO METALLURGICAL SALES CORP., Carbide & Carbon bldg, New York

13697— Silk (Artificial)

American Viscose Co., Marcus Hook, Pa.
DU PONT FIBERSILK CO., INC., Buffalo, N. Y.
See adv index at end of book
H. K. M. Silk Co. (For Embroidery Purposes), Watertown, Conn.

13697a— Silk Goods

Cheney Bros., South Manchester, Conn.
Corticelli Silk Co., Florence, Mass.
Sanquoit Silk Mfg. Co., Hunting Pk & Clarissa, Philadelphia, Pa.
Villa A. P. & Bros. Inc., 95H Madison av, New York

13698— Sills (Draft & End)

Gould Coupler Co. (Cast Steel), 30 E 42d, New York
Pressed Steel Car Co. (Car Steel), 307 5th av, Pittsburgh, Pa.
Western Steel Car & Foundry Co. (Car Steel), Farmers Bank bldg, Pittsburgh, Pa.

13699— Silos

Adirondack Silo Co., Malone, N. Y.
Am. Creosoting Co. (Creosoted), Bogalusa, La.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
Beaver Silo & Box Mfg. Co., Beaver Dam, Wis.
Bennett Bros. Co. ("Ideal"), Lowell, Mass.
Boeckler Lumber Co., Hall & Mallinckrodt, St. Louis, Mo.
Bridge's A. D. Sons (Round), Hazardville, Conn.
Butler Mfg. Co. (Steel), 1228 Eastern, Kansas City, Mo.
Canton Culvert & Silo Co. ("Zyro"), 1038 Belden av N E, Canton, O.
Central Unadilla Silo Co., Des Moines, Ia.
Colby Cheese Box & Silo Co., Colby, Wis.
Columbian Steel Tank Co. (Galvanized Steel), New England bldg, Kansas City, Mo.
Cowmatic Corp. ("Adpaco" Wood & "Natco" Tile), Lynchburg, Va.
CRAINE SILO CO., INC., 27 Sheldon st, Norwich, N. Y.
See adv index at end of book
Creamery Package Mfg. Co., 61 W Kinzie, Chicago, Ill.
Deere John Plow Co., 130 Hickory, Kansas City, Mo., & Omaha, Neb.
Des Moines Silo & Mfg. Co., Des Moines, Ia.
Dickey U. S. Clay Mfg. Co. (Glazed Hollow Tile), Kansas City, Mo.
Duplex Mfg. Co., Superior, Wis.
Eagle Tank Co., 2443 Crawford av, Chicago
See adv index at end of book
Economy Silo & Mfg. Co., Frederick, Md.
Fouts C. C. Co. ("Duro"), 650 Woodlawn av, Middletown, Ohio
Harder Mfg. Co., Cobleskill, N. Y.
Harrison W. R. & Co. ("Tornado"), Massillon, Ohio
Harry Bros. Co. ("Harry's" Knock-Down, Galvanized Iron), Carr & I. C. R. R., New Orleans, La.
Hewitt-Lea-Funck Co., Sumner, Wash.
Huttig Sash & Door Co., 1200 S Vanderventer, St. Louis, Mo.
Illinois Silo & Tractor Co., Bloomington, Ill.
Indiana Silo & Tractor Co., Anderson, Ind.
Intermountain Concrete Co. (Cement Stave), Ogden, Utah
International Silo Co., Linesville, Pa.
Iowa Tank & Silos Co., Waterloo, Ia.
Kalamazoo Tank & Silo Co. (Wood, Tile Block, etc.), Kalamazoo, Mich.
Lansing Silo Co. (Wood & Tile), Lansing, Mich.
Loomis J. H. & Sons ("Loomia"), Phoenix, N. Y.
McClure Co. ("Saginaw" All Steel Frame), Saginaw, Mich.
Michigan Wood Preserving Co. (Creosoted) ("Century"), Century bldg, Pittsburgh, Pa.
Monolithic Silo & Const. Co. ("Monsco"), Peoples' Gas bldg, Chicago, Ill.
Monroe & Crisell ("Simplex"), 91 Front, Portland, Ore.
Nappanee Lumber & Mfg. Co., Nappanee, Ind.
NATIONAL FIREPROOFING CO. ("Natco" Hollow Tile), 1100 Fulton bldg, Pittsburgh, Pa.
See adv index at end of book
NATIONAL TANK & PIPE CO. ("Cyclone" & "Iron Clad"), 170 Columbia blvd, Portland, Ore.
See adv index at end of book
Northfield Iron Co., Northfield, Minn.
Pacific Tank & Pipe Co., 20 Market, San Francisco, Cal.
Perfection Concrete Stove Silo Co., Des Moines, Ia.
Perfection Metal Products Co., Topeka, Kans.
Pittsburgh-Des Moines Steel Co. (Steel), 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Polk Genung Polk Co. (Concrete), Dept. H, Fort Branch, Ind.
Portland Silo Co., Portland, Ind.
Preston J. M. Co. (Vitrified Tile), Lansing, Mich.
Puffer-Hubbard Mfg. Co., 32d av S & 26th, Minneapolis, Minn.
Ross E. W. Co. (Plain Wood, Creosoted Wood & Sectional Metal), Springfield, Ohio
Schlichter E. F. Co., 10 S 18th, Phila., Pa.
Sengel Philip & Son (Wooden), Louisville, Ky.
Silo Specialty Mfg. Co., Clinton, Ia.
Spaulding Chas. K. Logging Co. ("Indiana"), New Bank bldg, Portland, Ore.
Stevens Tank & Tower Co. ("Dirigo" Wood), Auburn, Me.
Truscon Steel Co. (Kahn Building Products), Youngstown, Ohio
Twin City Tank Silo & Specialty Co., 38th av & N E 5th, Minneapolis, Minn.
Vernier Mfg. Co., Cedar Rapids, Ia.
Vesper Wood Mfg. Co. ("Open Door"), Vesper, Wis.
Western Silo Co. (Ltd.), Des Moines, Ia.
Woods Bros. Silo & Mfg. Co., Lincoln, Neb.
Woolford G. Wood Tank Mfg. Co., 72nd & Woodland, Philadelphia, Pa.
See adv index at end of book

13699a— Silver Carbonate

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Rich-Alloy Co., 13223 Euclid av, Cleveland, O.

13699b— Silver Chloride

Barker Bros., Inc., 327-329 Johnson, Brooklyn, N. Y.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

13699c—Silver (Granulated)

Handy & Harman, 55 Cedar, New York
Jackson John J. & Co., 158 Astor, Newark, N. J.
Kastenhuber & Lehrfeld, 24 John, New York
Ney J. M. Co., Hartford, Conn.
Wildberg Bros., 742 Market, San Francisco, Cal.

13700— Silver Leaf

Rauskolb Fred W. Co., 16 Franklin, Boston, Mass.
Swift M. & Sons, Hartford, Conn.

13700a— Silver Nitrate

Cooper Chas. & Co., 194H Worth, New York
Goldsmith Bros. Smelting & Refining Co., Heyworth bldg, Chicago, Ill.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Jackson John J. Co., 158 Astor, Newark, N. J.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Powers-Weightman-Rosengarten Co. (& Other Salts), 916H Parrish, Phila., Pa.
Riddle Chemical Co. (Crystals), 35 S Dearborn, Chicago
See adv index at end of book
Scientific Laboratories Co., 2535 B'way, Cleveland, O.

13700b— Silver Oxide

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

13700c— Silver (Salt of)

Ames M. Chemical Wks., Glens Falls, N. Y.
Baker & Co., 54 Austin, Newark, N. J.
Mallinckrodt Chemical Wks., 2d & Mallinckrodt, St. Louis, Mo.
Powers-Weightman & Rosengarten Co., 916 Parrish, Phila., Pa.
Squibb E. R. & Sons, 23 Vine, Brooklyn, N. Y.

13700d—Silver Sheet & Wire

Hagstoz T. B. & Son, 709H Sansom, Phila., Pa.
Halstead Wire Co., Rome, N. Y.
Handy & Harman, 59H Cedar, New York
Leach & Garner Co., Dept. H, Attleboro, Mass.
United Wire & Supply Co., Elmwood av, Providence, R. I.
Wall A. T. Co. (Wire), 162H Clifford, Providence, R. I.
White S. S. Dental Mfg. Co. (Wire), 211H S 12th, Phila., Pa.
Wildberg Bros., 724 Market, San Francisco, Cal.
WILSON H. A. CO. ("Wilco"), 99 Chestnut, Newark, N. J.

13701— Silverware (Plated)

Associated Silver Co. ("Yourex" Specialties), 5 S Wabash av, Chicago, Ill.
Buddle & Westermann, 7th av & 29th, New York
International Silver Co. ("Lashar"), Meriden, Conn.
Meyer Louis J., 804 Walnut, Philadelphia, Pa.
Oneida Community (Ltd.) ("Community"), Oneida, N. Y.
Paye & Baker Mfg. Co. (Tableware), North Attleboro, Mass.
Reed & Barton Corp., Taunton, Mass.

13702— Silverware (Table)

(*) Indicates Sterling Ware; (†) Indicates Plated Ware

*Alvin Mfg. Co., Sag Harbor, N. Y.
*†American Mfg. Co., Meriden, Conn.
†American Silver Co., Bristol, Conn.
*†Barbour Silver Co. (Br. of International Silver Co.), Meriden, Conn.
Barth L. & Son (Dirs.), H Cooper sq, New York
†Benedict Mfg. Co., East Syracuse, N. Y.
†Bliss E. A. Co., Meriden, Conn.
†Florence Silver Plate Co., 108 W Lombard, Baltimore, Md.
†Forbes Silver Co. (Br. of International Silver Co.), Meriden, Conn.
†Franklin Silver Plate Co., Greenfield, Mass.
*Goodell Co., Antrim, N. H.

(Continued on following page)

Silverware (Table)—Continued

*Gorham Co. (Arch'l Bronze), 5th av & 36th, New York
Handy Specialty Co. (Hotel), 120 S State, Chicago, Ill.
*Hartford Sterling Co., Fernwood, Philadelphia, Pa.
*†Holmes & Edwards Silver Co. (Branch of International Silver Co.) ("Stratford"), Bridgeport, Conn.
†Homan Mfg. Co., Findlay & Hulbert av, Cincinnati, O.
*†International Silver Co., Meriden, Conn.
†Jennings Bros. Mfg. Co., 219 Elm, Bridgeport, Conn.
†Knickerbocker Silver Co., Port Jervis, N. Y.
†Manning, Bowman & Co., Meriden, Conn.
*†Meriden Britannia Co. (Br. of International Silver Co.), Meriden, Conn.
†Meriden Silver Plate Co. (Br. of International Silver Co.), Meriden, Conn.
Oneida Community (Ltd.), ("Community"), Oneida, N. Y.
†Pairpont Corp., New Bedford, Mass.
†Paye & Baker Mfg. Co., N Attleboro, Mass.
Pick Albert & Co., 212 W Randolph, Chicago, Ill.
†Queen City Silver Co., Fillmore & Richmond, Cincinnati, O.
*†Reed & Barton Corp., Taunton, Mass.
Regal Silver Mfg. Co. ("Regal"), New Haven, Conn.
†Rice's Bernard Sons, 325 5th, New York
Rochester Stamping Co. ("Royal Rochester"), 176 Anderson av, Rochester, N. Y.
†Rogers Simmon L. & Geo. H. Co., 62 Market, Hartford, Conn.
†Rogers, Smith & Co. (Br. of International Silver Co.), Meriden, Conn.
*†Rogers Wm. A. (Ltd.), Niagara Falls, N. Y.
†Rogers Wm. Mfg. Co. (Br. of International Silver Co.), Meriden, Conn.
†Rogers & Bro. (Br. of International Silver Co.), Waterbury, Conn.
*†Simpson, Hall, Miller & Co. (Br. of International Silver Co.), Wallingford, Conn.
*Tiffany & Co., 5th av & 37th, New York, N. Y.
*Towle Mfg. Co., Newburyport, Mass.
*†Wallace R. & Sons Mfg. Co., Wallingford, Conn.
*†Watrous Mfg. Co. (Br. of International Silver Co.), Wallingford, Conn.
*Weidlich Sterling Spoon Co., Connecticut av, Bridgeport, Conn.
*Whiting F. M. & Co., No. Attleboro, Mass.
*Whiting Mfg. Co., Bishop av, Bridgeport, Conn.
*†Wilcox Silver Plate Co., (Br. of International Silver Co.), Meriden, Conn.
†Williams Bros. Mfg. Co., Glastonbury, Conn.
Wostenholm Geo. & Son, 258 Broadway, New York

13702a—*Single Phase Railway System

Westinghouse Electric Mfg. Co., East Pittsburgh, Pa. *See adv index at end of book*

13703—Singletrees, Doubletrees & Whiffletrees (Wood)

Acme Wagon Co., Emigsville, Pa.
Adams E. B. & Son, Racine, Wis.
Ashboro Wheelbarrow Co., (Singletrees Only), Ashboro, N. C.
Atkins Bros., Attoway, Va.
Baltimore Hub-Wheel & Mfg. Co., Fallsway & Gy, Baltimore, Md.
Buckeye Handle, Gear & Bending Co., Alliance, O.
Burrough-Ross-Colville Co., McMinnville, Tenn.
Campbell & Dann Mfg. Co., Tullahoma, Tenn.
Canfield Mfg. & Novelty Co., Canfield, O.
Collins Hilton Co. (Plow & Wagon Singletrees & Doubletrees), Louisville, Ky.
Columbiana Mfg. Co., Columbiana, O.
Crane & MacMahon, Inc. ("Star," "Hickory Nut"), St. Marys, Ohio
Crook Son & Co., Hicksville, O.
Faeth Iron Co. (Iron), 1125 N 8th, Kansas City, Mo.
Fort Smith Rim & Bow Co., Fort Smith, Ark.
Graham Thos. & Co., Madison, Ind.
Harvey Spring & Forging Co., Racine, Wis.
Heider Mfg. Co. (Wagon, Plow, etc), Carroll, Ia.
Heiser J. B., Atwater, O.
Hershel R. Mfg. Co., Single & Doubletrees, Peoria, Ill.
Holt Bros. Mfg. Co., Concord, N. H.
Keller & Tamm Mfg. Co., Victor & Levee, St. Louis, Mo.
Lack Singletree Co., Paducah, Ky.
Lamb-Fish Lumber Co., Charleston, Miss
Lebzelter Phillip & Son Co., Lancaster, Pa.
Leonard F. B. & Co., Metropolis, Ill.
Lindsay Mfg. Co., Ottumwa, Ia.
Look & Lincoln, Marion, Va.
Manchester Mfg. Co., Manchester, Tenn.
Mason F. C. & Co., St. Johns, Mich.
Medina Bending Works, Medina, O.
Metropolis Bending Co., Metropolis, Ill.
Mills Ellsworth Co., Keokuk, Ia.
Nixdorf-Krein Mfg. Co., 900 Howard, St. Louis, Mo.
North Indianapolis Cradle Works, Indianapolis, Ind.
Parry Mfg. Co., Indianapolis, Ind.
Peterson Samuel, Warren, Pa.
Phipps J. H. Lumber Co., Fayetteville, Ark.
Pioneer Pole & Shaft Co., Piqua, O.
Prouty C. & Co., Eldred, Pa.
Racine General Mfg. Co. (Jobbers), Racine, Wis.
Ransome Concrete Machinery Co., Dunellen, N. J.
Sanitary Cement Co., Everett, Mass.
Sequatchie Handle Works, Sequatchie, Tenn.
Shupp Homer A., Effort, Pa.
Southern Plow Co., Columbus, Ga.
Stevens A. E. & Co., 15 Union, Portland, Me.
Tanner D. F., Holland, N. Y.
Thornburgh Mfg. Co., Bowling Green, O.
Titusville Handle Co. (Not Doubletrees), Titusville, Pa.
Towers & Sullivan Mfg. Co., Rome, Ga.
Turnbull Motor Truck & Wagon Co. (Hickory Wagon Sets), Defiance, O.
Turner, Day & Woodworth Handle Co., Louisville, Ky.
Vehicle Supply Co., Cairo, Ill.
Von Behren Mfg. Co., Evansville, Ind.
Westwood Turning Co., Fremont, O.

13704—Singletrees (Hay Hoisting)

Louden Machinery Co., Fairfield, Ia.
Myers F. E. & Bro. Co., 950 Orange, Ashland, O.
See adv index at end of book

13705—Singletrees & Doubletrees (Steel)

Avery B. F. & Sons, Louisville, Ky.
Empire Plow Co., 3140 E 65th, Cleveland, O.
Southern Plow Co., Columbus, Ga.
Towers & Sullivan Mfg. Co., Rome, Ga.
U. S. Pressed Steel Co., Ypsilanti, Mich.
YOUNGSTOWN PRESSED STEEL CO., Warren, O.
See adv. index at end of book

13706— Sink Backs

Alberene Stone Co. (Soapstone), 153 W 23rd, New York
Bignall Co., Medina, N. Y.
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
Lalance & Grosjean Mfg. Co. (Seamless Wrought Steel), 299 B'way, New York
Sanitary Co. (Cast Iron), Dept. H, Linfield, Pa.
Structural Stone Co., Hubbard, Ohio
Washington Iron Works ("Washington"), 1141 Mateo, Los Angeles, Cal.

13707— Sinkers (Fish Line)

General Phonograph Corp., 15 W 18th, New York
Pacific Net & Twine Co., 1213 Western av, Seattle, Wash.

13708— Sinks (Kitchen)

Alberene Stone Co. (Soapstone), 153 W. 23rd, New York
Crane Co., 836 S Michigan av, Chicago, Ill. *See adv index at end of book*
Don-A-Stone Composition Co., 706 N Coronado, Los Angeles, Cal.
DONLEY BROTHERS CO. THE ("D. B." Stop Sinks), 3625 E 74th, Cleveland, O. *See adv index at end of book*
Fords Porcelain Works, Perth Amboy, N. J.
General Ceramics Co. ("Phoenix" Porcelain), 50 Church, New York
Iron City Sanitary Mfg. Co., Dept. H, Oliver bldg, Pittsburgh, Pa.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*

SINKS—Steel

Scullery Sinks and special sinks for any purpose for kitchens, bakeries, confectionery manufacturers, slaughter houses and other industrial plants. Sinks are made of plain steel, and galvanized after fabrication. Also made of monel metal.

L. O. KOVEN & BROTHER, Inc.
154 Ogden Avenue, Jersey City, N. J.

Metal Products Corp., 49 Chestnut, Weehawken, N. J.
Pacific Sanitary Mfg. Co., 67 New Montgomery, San Francisco, Cal.
Perfection Restaurant Equipment Co., 911 E 6th, Los Angeles, Cal.
Petrium Sanitary Sink Co. ("Petrium"), 1435H 5th, Berkeley, Cal.
Richmond Radiator Co., 1480 Broadway, New York
Sanitary Co. (Cast Iron, Plain & Galvanized), Dept. H., Linfield, Pa.
Sanitas Mfg. Co. ("Gloucester," "Essex," "Wenshaw"), 105 Washington, Boston, Mass.
Sani-White Products Co. ("Sani-White"), Santa Clara, Cal.
Standard-Elsmere Granite Co., 1752 N Spaulding av, Chicago, Ill.
Structural Slate Co. (The), (Slate Only), (With Natural Slate Blackboard Co.), 101 Marietta st, Pen Argyl, Pa.
See adv index at end of book
Structural Stone Co., Hubbard, Ohio
Washington Iron Works ("Washington"), 1141 Mateo, Los Angeles, Cal.
Weiskittel A. & Son Co., 12th & Lombard, Baltimore, Md.
Wesely Chas. Co. (Concrete, "Wesely"), 3126 S Canal, Chicago, Ill.
Wheeling Sanitary Mfg. Co., Wheeling, W. Va.
Whiting-Mead Pottery Co. ("Poppy"), 415 E 9th, Los Angeles, Cal.

Sinks (Porcelain)

See Bath Tubs, Porcelain

13709—Sinks (Pot & Vegetable)

KOVEN L. O. & BRO., INC., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Perfection Restaurant Equipment Co., 911 E 6th, Los Angeles, Cal.
Roeblings John & Sons Co., Trenton, N. J. *See adv index at end of book*
Sexton S. B. Stove & Mfg. Co. (Hotel, etc.), 500 W. Conway, Baltimore, Md.
Structural Stone Co., Hubbard, Ohio

13710— Sinks & Trays

See also Bath Tubs, Various Kinds; also Laundry Tubs, Various Kinds
(Names with * also manufacture Monel Metal)

Alberene Stone Co. (Soapstone), 153 W 23rd, New York
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Auld & Conger Co. (Soapstone), 942 Prospect, Cleveland, O.
Barnes Mfg. Co. (Enameled Kitchen Rolled & Flat Rim Sinks), Mansfield, O.
*Beckley Perforating Co., Garwood, N. J.
Bieg Henry (White Porcelain), 56 Wallabout, Brooklyn, N. Y.
Blairsville Sanitary Co. (Enameled Iron), Blairsville, Pa.
Buffalo Wash Tray Works (Concrete), 601 Tonawanda, Buffalo, N. Y.
Casey-Hedges Co. ("Chattanoogan"), 25th & Chestnut, Chattanooga, Tenn.
Central Foundry Co, (Cast Iron), 41 E 42nd, New York
*Cleveland Wire Cloth Co., Cleveland, O.
Clow Jas. B. & Sons, 534 S Franklin, Chicago, Ill.
Columbia Sanitary Mfg. Co. (Enameled Ware), Louisville, Ky.
Crane Co., 836 S Michigan av, Chicago, Ill. *See adv index at end of book*
Crane Enamelware Co., ("Southern Beauty" Enameled Iron), 14th & Chestnut, Chattanooga, Tenn.
Crestline Mfg. Co. (Cast Iron), Crestline, Ohio
Donley Bros. Co. (The), (Cast Iron Slop Sinks), 13935 Miles av, Cleveland, O.
See adv index at end of book
Douglas Jno. Co., Carthage, Cincinnati, O.
Ebinger D. A. Sanitary Mfg. Co. ("Ebco" Enameled Iron), 181 Lucas, Columbus, Ohio
Euclid Stone & Brick Co. ("Euclid" Stone), Cleveland, O.
Glenn Fred E. (Kitchen & Slop Sinks), St. Charles, Ill.
Graham Charles Chemical Pottery Works (White Porcelain & Brown Vitrified), 986 Metropolitan av, Broklyn, N. Y.
Hains Jones & Cadbury Co. ("Hajoca" Cast Iron), 1136 Ridge av, Philadelphia, Pa.
*Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
Humphryes Mfg. Co. (Cast Iron Porcelain Enameled, for Factories), Mansfield, O.
Indiana Hollow Ware Co., Jeffersonville, Ind.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Iron City Sanitary Mfg. Co. (Enameled Iron), Oliver bldg, Pittsburgh, Pa.
*Jelliff Mfg. Corp., C. O., Southport, Conn.
Johnson J. D. Co. (Copper), 43 Boerum pl, Brooklyn, N. Y.
Keenan Struct. Slate Co. (Slate), Bangor, Pa.
Kohler Co., Dept. H, Kohler, Wis.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Lalance & Grosjean Mfg. Co. (Seamless Wrought Steel, "L. & G."), 299 B'way, New York
Limberg Enameling Co. (Enameled Iron) Florence av & Symmes, Cincinnati, O.
Litterer Bros. Mfg. Co. (Pantry), 154 Whiting, Chicago, Ill.

Littleford Bros. (Sinks, Wash), 444 E Pearl, Cincinnati, O. *See adv index at end of book*
Lodge Mfg. Co. (Cast Iron Stamped), South Pittsburgh, Tenn.
*Magosy & Buscher, 232 Canal, New York
McDonald A. Y. Mfg. Co. (Slop), Dubuque, Ia.
McVay-Walker Co. (Enameled), Braddock, Pa.
Maddock's Thomas Sons Co. (Earthenware), Trenton, N. J.
Monson Maine Slate Co. (Slate), 112 Water, Boston, Mass.
Mott J. L. Iron Works (Porcelain & Iron Enameled), Trenton, N. J.
*Munning & Co., A. P., Matawan, N. J.
National Enameling & Stamping Co. (Kitchen Sinks, Wrought Steel), 411 5th av, New York
Nelson N. O. Mfg. Co. (Enameled Iron), 928 Chestnut, St. Louis, Mo.
New York Slate Works (Slate), 255 E 138th, New York
Noyes & Nutter Mfg. Co. (Cast Iron), Bangor, Me.
Pacific Sanitary Mfg. Co., 67 New Montgomery, San Francisco, Cal.
Penn Enameled Sink Co., Indiana, Pa.
Petrium Sanitary Sink Co., 1435H 5th, Berkeley, Cal.
Phoenix Soapstone Co. (Soapstone), 71 Murray, New York
Richmond Radiator Co. (Enameled Iron), 1480 B'way, New York
Sanitas Mfg. Co. ("Manchester," "Magnolia," "Beverly," "Salem" Pantry, "Lowell," "Lawrence" Slop), 105 Washington, Boston, Mass.
Sani-White Products Co. ("Sani-White"), Santa Clara, Cal.
*Sholes, Inc., 186 Lafayette, New York
Slatington Slate Co. (Slate), Slatington, Pa
*Smith & Co., John P., New Haven, Conn.
Standard Sanitary Mfg. Co. (Enameled Iron), Bessemer bldg. Pittsburgh, Pa.
Star Tank Co. (For Washing Milk Bottles, etc.), Goshen, Ind.
*Steel Products Mfg. Co., Cicero, Ill.
Stockton Marble & Mosaic Co., 138 E Sonora, Stockton, Cal.
Structural Stone Co., Hubbard, Ohio
Swett A. L. Iron Wks. (Cast Iron), 145 Glenwood av, Medina, N. Y.
*Taylor Disc Co., Mansfield, O.
Trageser Jno. Steam Copper Works (Copper), 447 W 26th, New York
Trenton Potteries Co. (Earthenware), Trenton, N. J.
*Tyler Co., W. S., Cleveland, O.
Unger John F. Slate Co, (Slate), Slatington, Pa.
Union Sanitary Mfg. Co. (Cast Iron Enameled), Noblesville, Ind.
United States Sanitary Mfg. Co. (Enameled Iron), Arrott bldg, Pittsburgh, Pa.
Vollrath Co. ("Vollrath" Enameled Sinks), Sheboygan, Wis.
Walls, Owen & Stambach Co. (Soapstone), 11th & Hamilton, Philadelphia, Pa.
Washington Iron Works, ("Washington"), 1141 Mateo, Los Angeles, Cal.
Weiskittel A. & Son Co. (Enameled Iron), 12th & E Lombard, Baltimore, Md.
Western Dairy Supply Co., 729 E Washington, Los Angeles, Cal.
Wheeling Sanitary Mfg. Co. (Enameled Iron), Wheeling, W. Va.
Whiting Mead Co., ("California Poppy"), 415 E 9th, Los Angeles, Cal.
Wolff Mfg. Corp., (Cast Iron Porcelain Lined Enamel), 255 N Hoyne av, Chicago, Ill.

13710a—Sintering Plant Equipment

BARTLETT & SNOW CO., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Sintering Machy. Corp., Netcong, N. J.

13710b—*Siphons (Coil Pipe)

MANNING, MAXWELL & MOORE, INC., (Ashcroft Mfg. Co. Div.), 100 E 42nd, New York *See adv index at end of book*

13710c—*Siphons (Double Radiator)

Heath Engineering Laboratories (Electric), Monadnock bldg, San Francisco, Cal.

13711— Siphons (Sewage)

Modern Iron Works ("Rhoads-Williams" Raw Sewage), Quincy, Ill.
Priestman Albert ("Merritt" Automatic Flushing Airlock for Control of Sewage and Other Liquids), 328 Chestnut, Philadelphia, Pa.

13712—Siphons (Water, for Flushing Sewers)

13712a— Sirens

See also Horns & Whistles
Elev. Automatic Appliance Co., 1749 Arapahoe, Denver, Colo.
FEDERAL ELECTRIC COMPANY, 8702 S State, Chicago
Heath Engineering Laboratories, 114 Sansome, San Francisco, Cal.
Star Brass Mfg. Co. ("Star" Air & Steam for Factory & Marine Use), 53 Oliver, Boston, Mass.

13713— Size

See also Paste
American Type Founders Co. (Gold), 300 William, New York

ESTABLISHED 1847 **E. B. ESTES & SONS** Manufacturers of
BEEF SKEWERS LAMB SKEWERS BURLAP SKEWERS
Blunt and Pointed Confectioners' Taffy Sticks, Floral Sticks, Hardwood and Softwood. Polished Maple Meat Skewers a Specialty
364 5th Avenue New York City

Arabol Mfg. Co. (Dry Rosin; also Hot & Cold Water, etc.), 110 E 42nd, New York
Ault & Wiborg Co. (Gold), Cincinnati, O.
Barlith Co. ("Barlith"), 1145 16th, San Francisco, Cal.
Bloede Victor G. Co. (Textile), Caton av, Baltimore, Md.
Boley C. H. Co. ("Aamcolose" Textile, also Gums), 3722 N Randolph, Phila., Pa.
Bosson & Lane, Atlantic, Mass.
Campbell John & Co., 75 Hudson, New York
Chemical Products Co. (Hat Size), 44 K, South Boston, Mass.
Clark Paper & Mfg. Co. ("Steko" Powdered Wall Size), Rochester, N. Y.
Cleveland Varnish Co. (Gold), 3111 E 87th, Cleveland, O.
Cott-a-Lap Co. ("Bull Dog" & "Magic" Wall Paper), Somerville, N. J.
Devoe & Raynolds Co., Inc. (Gold), 101 Fulton, New York
Diamond Paste Co. (Vegetable), Albany, N. Y.
Dura-Crete Products Co., 223 Minna, San Francisco, Cal.
Eastern Paper Makers Chemical Co., Watertown, N. Y.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
FOX M. EWING CO. (Painters' & Paperhangers'), 241 E 136th, New York
Fuller H. B. Co. ("Fullers Barnacle" Paperhangers & Painters), 188 W 3d, St. Paul, Minn.
General Adhesive Mfg. Co. Inc. (for Textiles "Dragon"), 469 Greenwich, New York
Herrick & Voight, 99 John, New York
McMeekan D. Mfg. Co. (Paper & Textile), 1070 Pacific, Brooklyn, N. Y.
Manhattan Color Works ("Manhattan" Alum Size), 1035 Kelly, New York
Mayer & Loewenstein (Gold), 164 Water, New York
Morrill Geo. H. Co. (Gold), Norwood, Mass.
National Gum & Mica Co., 12 West End av, New York
Nat'l Rosin Oil & Size Co. (Rosin, Dry & Liquid), 90 West, New York
Neutrasol Products Corp., 41 Park Row, New York
Paper Makers Chemical Co. (Rosin), Easton, Pa.
Pawtucket Mordant Co., Pawtucket, R. I.
Pierce F. O. Co. (Gold), 12 W B'way, New York
Providence Drysalters Co. (Textile), 86 East Greenwich, R. I.
Rauskolb Fred W. Co. (Gold), 16 Franklin, Boston, Mass.
Royal Chemical Co. (Textile), Phenix, R. I.
Schweitzer Samuel, 660 W Lake, Chicago, Ill.
Seydel Chemical Co. ("Sizol"), 86 Front, Jersey City, N. J.
Sisk R. J. Mfg. Co. (Paperhangers & Painters), New London, Conn.
Tanner Chas. S. Co. (Textile), 250 So Water, Providence, R. I.
Waxene Size Pa. Fall River, Mass.
Weil S. & Sin 804 Franklin, New York
Wiggins H. ate Ons Co., Bloomfield, N. J
Wightman Geo. E. Co. ("Rubber-Size"), 90 11th, Portland, Ore.
Wolf Jacques & Co., Passaic, N. J.
Zobel Ernst Co., 112 2d av. Bklyn. N. Y.

13714— Sizers (Broom)

Walrath Alphonso Co. ("Hurt"), Fort Plain, N. Y.

13715— Sizers (Screenless)

Stearns-Roger Mfg. Co. ("McKesson-Rice"), 1720 California, Denver, Colo.

13716—Sizers (Wood Turners')

Kraeuter & Co., 583 18th av, Newark, N. J.

13716a— Sizings (Rosin)

Sizing Specialties Co., Jersey City, N. J.
Vera Chemical Co. (For Paper Mfrs.), North Milwaukee, Wis.

13717— Skates (Ice)

American Tube & Stamping Co., Dept. H, 471 Hancock, Bridgeport, Conn.
Conron-McNeal Co (Extension), Kokomo, Ind.
Johnson Mfg. Co., Nestor ("Hockey"), 1900 N Springfield av, Chicago, Ill.
Johnson Skate Co., Alfred (Tubular), 2846 W North av, Chicago, Ill.
Kees Mfg. Co., F. D., Beatrice, Neb.
King Joseph Mfg. Co., Troy, N. Y.
Kohler Die & Specialty Co. ("20th Century"), De Kalb, Ill.
Lowentraut P. Mfg. Co. ("U. S."), 86 Brenner, Newark, N. J.
Planert F. W. & Son (Tubular), 941 N Robey, Chicago, Ill.
Strauss J. E. ("Strauss Diamond Edge" Racing), St. Paul, Minn.
Union Furnace Mfg. Co., Union Furnace, Pa.
Union Hdwe. Co. ("Keene"), Torrington, Conn.
Winchester Repeating Arms Co. ("Barney & Berry," "Winchester"), 275 Winchester, New Haven, Conn.
Winslow Samuel Skate Mfg. Co., 31 Mulberry, Worcester, Mass.

13718— Skates (Roller)

American Tube & Stamping Co., Dept. H, 471 Hancock, Bridgeport, Conn.
Barney & Berry, Springfield, Mass.
Chicago Roller Skate Co., ("Velvet Thread" ball bearing), 224 N Ada, Chicago, Ill.
Gropper M. & Sons ("Crown Roller"), 86 Union sq, New York
H. K. Toy & Henley Skate Co., Dept. H. Richmond, Ind.
Harris D. P. Hdw. & Mfg. Co. ("Rollfast" Ball Bearing), 24H Murray, New York
Harris & Reed Mfg. Co., 1500 W 15th, Chicago, Ill.
Henley Skate Co., Richmond, Ind.
Kees Mfg. Co., F. D., Beatrice, Neb.
Kohler Die & Specialty Co. ("20th Century"), De Kalb, Ill.
Richardson Ball Bearing Skate Co. (Pneumatic), 154 E Erie, Chicago, Ill.
Spalding A. G. & Bros., 126 Nassau, New York
Union Hardware Co., Torrington, Conn.
Winchester Repeating Arcs Co. ("Barney & Berry," "Winchester"), 275 Winchester, New Haven, Conn.
Winslow Samuel Skate Mfg. Co., 31 Mulberry, Worcester, Mass.

13719— Skeins (Wagon)

American Skein & Foundry Co. ("Rocky Mountain" Steel, "Sandage," "Columbus," "Red Label," "Anderson Leader" Wrought Steel, "D. V." "Indiana" Cast, "Brown's," "Hoosier"), Racine, Wis.
Illinois Iron & Bolt Co. ("D. V. & Co." "I. I. & B. Co.," "Dundee" Cast Iron, "Columbus," "Sandage," "Western," "Standard" Steel), Carpentersville, Ill.
St. Louis Malleable Casting Co. (Malleable Iron), 7700 N Broadway, St. Louis, Mo.
Southern Skein & Foundry Co. (Steel & Cast), E Lake, Chattanooga, Tenn.
Studebaker Corp., South Bend, Ind.

13720—Skeins & Boxes (Thimble)

Colebrookdale Iron Co., Pottstown, Pa.

13721— Skewers (Steel, Meat)

Auer John, Jr., 197 Middleton, Brooklyn, New York
Brecht Co., 1201 Cass av, St. Louis, Mo.
Central Stamping Co. ("Puritan"), 206 B'way, New York
Gem Stopper Co. ("Gesco"), 2120 Nicholas, Phila., Pa.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Lalance & Grosjean Mfg. Co., 399 B'way. New York
Landers, Frary & Clark, New Britain, Conn.
Parker Wire Goods Co., Worcester, Mass.
Titchener-Diehl Co., 1844-48 W Austin av. Chicago, Ill.
U. S. Needle Concern, 912 W Madison, Chicago, Ill.
Wickwire Spencer Steel Corp., 41 East 42nd, New York
See adv index at end of book

13721a— Skewers (Wire)

Gem Stopper Co., 2120 Nicholas, Phila., Pa.
Roeblings John & Sons Co., Trenton, N. J.
See adv index at end of book

13722— Skewers (Wood)

Atwood, Crawford Co., Pawtucket, R. I.
Berst Mfg. Co., Saginaw, Mich.
BOGERT & HOPPER, INC. (Meat & Burlap), 57 Barclay, New York
See adv index at end of book
CUTTER-TOWER CO. INC., 405H Lexington av, New York
ESTES E. B. & SONS (Burlap, Candy & Meat), 364 5th av, New York
See adv index at end of book

(Continued on following page)

Skewers (Wood)—Continued

Gem Stopper Co. ("Gesco"), 2120 Nicholas, Phila., Pa.
Grover R. A., Andover, Me.
Nashua Spool & Bobbin Co., Haverhill National Bank bldg., Haverhill, Mass.
Peirce W. E. & Co., Milford, N. H.
Setter Bros. Co., Cattaraugus, N. Y.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book* ..

13723— Ski Mfrs.

Northland Ski Mfg. Co., St. Paul, Minn.
Paris Mfg. Co., South Paris, Maine
Strand Martin A., New Richmond, Wis.
Tubbs W. F., Norway, Me.

Skidders (Log)

See Log Skidding & Loading Machines

13724-5— Skids

Diamond Iron Works, 2nd & 18th av N, Minneapolis, Minn.
Fairbanks Co. (Barrel), 416 Broome, New York
Gruman Ice Tool Works, Branchville, Conn.
Howe Scale Co. of Ill., 1222 S Wabash av, Chicago, Ill.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Lansing Co., Lansing, Mich.
Michigan Truck & Lumber Co., Holly, Mich.
National Iron Co. (Mining & Derrick), Duluth, Minn.
Western Wheelbarrow Mfg. Co., South Ft. Smith, Ark.
ZERING H. MFG. CO., B. & O. Ry. & Hickory, Oakley, Cincinnati, O.
See adv index at end of book

Skimmers (Boiler)

See Cleaners, Skimmers, Boiler

13726— Skimmers (Tanners')

(Names with * also manufacture Monel Metal)

*Beckley Perforating Co., Garwood, N. J.
Emrich Phil., 824 Main, Cincinnati, O.
*Giles Dyeing Machinery Co., N Philadelphia, Pa.
*Hendrick Mfg. Co., Carbondale, Pa.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Koven & Bro., L. O., Jersey City, N. J.
*Liberty Coppersmithing Co., Phila., Pa.
*Schafer Co., Emil, Philadelphia, Pa.
*Sholes, Inc., 186 Lafayette, New York
*Smith, Drum & Co., Philadelphia, Pa.
*Steel Products Mfg. Co., Cicero, Ill.
*Wahmann Mfg. Co., Geo. H., Baltimore, Md.

13727—*Skips (Cableway & Derrick)

Clyde Iron Works & Sales Co., Duluth, Minn. *See adv index at end of book*

13728— Skips (Mining)

See also Cages, Mining

Allis-Chalmers Mfg. Co. (Dumping & Hoisting), Milwaukee, Wis.
See adv index at end of book
Atlas Car & Mfg. Co., Cleveland, O.
See adv index at end of book
Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Continental Bridge Co. (Derricks), 460 Monadnock, Chicago, Ill.
Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*
HUNT C. W. CO., West New Brighton, N. Y. *See adv index at end of book*
Kilbourne & Jacobs Mfg. Co. (Stone, Vertical, Shaft, Double & Single Deck & Incline), Columbus, O.
Lake Shore Engine Works ("De Beer's" Self-Dumping, etc), Marquette, Mich.
LINK-BELT COMPANY, 800 W Pershing rd. Chicago, Ill.
See adv index at end of book
Sanford-Day Iron Works, Knoxville, Tenn.
Stephens-Adamson Mfg. Co. ("S.-A." Steel), Aurora, Ill.
Tippet & Wood, Phillipsburg, N. J.
Traylor Engng. & Mfg. Co., Allentown, Pa.
Truax Mfg. Co., Denver, Colo.
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, O.
Worthington Pump & Mach'y. Corp., 115 B'way, New York

13728a—Skips (Stone & Cement)

See also Boxes, Scale

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*
Lakewood Engineering Co., Cleveland, O.
Littleford Bros., 444 E Pearl, Cincinnati, O.
See adv index at end of book

13729— Skylight Ventilating Apparatus

See also Ventilating Apparatus for Greenhouses & Buildings

American Tar Products Co., 208 S La Salle, Chicago, Ill.
BAKER EDW. J. & CO., 608 Otis bldg, Chicago, Ill.
Drouve G. Co. ("Lovell" & "Straight Push"), 40 Tulip, Bridgeport, Conn.,
Evans John A. Co. ("Evans"), cor. N 15th & Penn, Richmond, Va.
General Sheet Metal Wks., 120 Silliman av, Bridgeport, Conn.
Gilbert Walter B. & Co., York, Pa.
Kirk Habicht Co. (Lifts), 108 S Calvert, Baltimore, Md.
LEE THOMAS & SON CO., 128-132 W 2nd, Cincinnati, Ohio
See adv index at end of book
Mertz John Mfg. Co., Sandusky, O.
Messenger & Parks Mfg. Co., Aurora, Ill.
Milwaukee Corrugating Co., Milwaukee, Wis.
Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, O.
See adv index at end of book
Payson Mfg. Co. ("Harris"), 2918 W Jackson blvd, Chicago, Ill.

Skylights

See Cornices & Skylights; also Sub-Classifications following

13730—Skylights (Corrugated Wire Glass)

PENNSYLVANIA WIRE GLASS CO., Penna bldg, Philadelphia, Pa.
See adv index at end of book

13730a—Skylights (Galvanized Iron)

BAKER EDW. J. & CO., 608 Otis bldg, Chicago, Ill.

13731— Skylights (Ornamental Iron)

BAKER EDW. J. & CO. (Galvanized Iron), 608 Otis bldg, Chicago, Ill.
Consolidated Sheet Metal Wks., 661 Hubbard, Milwaukee, Wis.
International Steel & Iron Co., 1243 Edgar, Evansville, Ind.
NATIONAL SHEET METAL ROOFING CO., 339 Grand, Jersey City, N. J.
See adv index at end of book
SMITH F. P. WIRE & IRON WORKS, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book

Skylights (Prism System)

(See Glass, Prismatic)

13732—Skylights (Puttyless)

Am. 3-Way Prism Co., ("3-Way Luxfer"), 13th & 55th Court, Cicero, Ill.
Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
Basman A. M. & Co., 1644-46 Fort W., Detroit, Mich.
Dee, William V. Co., 729 Union av, Bridgeport, Conn.
Drouve G. Co., 40 Tulip, Bridgeport, Conn.
Florida Metal Products Co., Jacksonville, Fla.
General Sheet Metal Wks., Silliman av, Bridgeport, Conn.
LUPTON'S DAVID SONS CO. ("Lupton" Rolled Steel), Allegheny av & Tulip, Phila., Pa. *See adv at Shelving Steel*
Messenger & Parks Mfg. Co., Aurora, Ill.
Milwaukee Corrugating Co. ("Milcor" All Steel), Milwaukee, Wis.
National Sheet Metal Roofing Co., 339 Grand, Jersey City, N. J.
See adv index at end of book
National Skylight & Vent Co., Rochester, N. Y.
Nonpareil Skylight Co., 2611 Penna. av, N W, Washington, D. C.
Schoedinger F. O. ("Fosco"), 142 N 3d, Columbus, O.
Van Noorden E. & Co. ("Anchor Bar"), 100 Magazine, Boston, Mass.

Slabs Zinc

See Zinc (Slab)

13733— Slabs (Marble)

Structural Stone Co., Hubbard, Ohio

13734— Slabs (Oil Stone)

McDermott Stone Co., McDermott, O.

13735—Slag (Concrete & Roofing, Etc.)

Birmingham Slag Co., Jeff. Co. Bk. bldg, Birmingham, Ala.
Carnegie Steel Co. (Crushed), Carnegie bldg, Pittsburgh, Pa.
Duquesne Slag Products Co. (For Concrete R. R. Ballast, Roofing, Roads, etc), Diamond Bank bldg, Pittsburgh, Pa.
Emanuel & Co., Catasaqua, Pa.
France Slag Co., 2nd Nat'l Bank bldg, Toledo, Ohio
Levow David, (Roofing), 47 W 34th, New York
Little Wm., Conshohocken, Pa.
New York Pyrites Co., Inc., 25 Broad, New York
Perry Iron Co. (Granulated), Erie, Pa.
Standard Slag Co., Youngstown, O.
Thomas Furnace Co. (Crushed), 740 Kinnickinnic, Milwaukee, Wis.

13736— Slate Columns

American Slate Co., Easton, Pa.
Criterion Slate Co., Hydeville, Vt.

13737— Slate (Crushed)

Bangor Structural Slate Co., Bangor, Pa.
Central Commercial Co., 111 N Market, Chicago, Ill.

13738— Slate Dust

Slatington Slate Co., Slatington, Pa.

13739— Slate Floor Tile

American Slate Co., Easton, Pa.
Blue Mountain Slate Co., Slatington, Pa.
Durick, Keenan & Co., Fair Haven, Vt.
Fair Haven Marble & Marbleized Slate Co., Fair Haven, Vt.
General Slate Co., 148 State, Boston, Mass.
Hinchey Patrick F. & Co., Hydeville, Vt.
Hower J. K., Danielville, Pa.
KEENAN STRUCTURAL SLATE CO., Bangor, Pa.
Lehigh Structural Slate Mfg. Co., Bangor, Pa.
Old English Slate Quarries, 1128 O. S. bldg, Boston, Mass.
Penrhyn Slate Co., Hydeville, Vt.
Ribble R. W. & Co., First & B'way, Bangor, Pa.
Slatington Slate Co., Slatington, Pa.
STRUCTURAL SLATE CO., THE, 101 Marietta, Pen Argyl, Pa. (With Natural Slate Blackboard Co., Pen Argyl)
See adv index at end of book
Williams Slate Co., Mutual bldg, Richmond, Va.

13740— Slate Flour

Atlas Mineral Products Co., Mertztown, Pa.
Chrystal Chas. B. Co., Inc., 13 Cliff, New York *See adv index at end of book*
Cooper & Cooper Inc., 23H Cliff, New York
Doggett Stanley, 11 Cliff, New York
Hower J. K., Danielsville, Pa.
Williams C. K. & Co. (Mfrs.), Easton, Pa.
See adv index at end of book

13741—Slate for Electrical Purposes

American Slate Co., Easton, Pa.
Bangor Structural Slate Co., Bangor, Pa.
Blue Mountain Slate Co., Slatington, Pa.
Blue Valley Slate Mfg. Co. (Ltd.), Slatington, Pa.
Bonville Edw., Fair Haven, Vt.
Clark & Flanagan, Fair Haven, Vt.
Columbus Slate Co. (Jobbers), New Hayden bldg, Columbus, O.
Crown Slate Co., Pen Argyl, Pa.
Davis Slate & Mfg. Co., 618 E 40th, Chicago, Ill.
Doggett, Stanley (Soapstone), 11 Cliff, New York
Fair Haven Marble & Marbelized Slate Co., Fair Haven, Vt.
Genuine Washington Slate Co., Slatington, Pa.
Hower J. K., Danielsville, Pa.
Hydeville Slate Works, Hydeville, Vt.
KEENAN STRUCTURAL SLATE CO., Bangor, Pa.
Lehigh Structural Slate Mfg. Co., Bangor, Pa.
McGratty & Sons, 313 Butler, Brooklyn, N. Y.
M'Namara Bros., Fair Haven, Vt.
Monarch Black Board & Structural Slate Co., Slatington, Pa.
New York Slate Works, 255 E 138th, New York
O'Day Bros. (Plain & Marbelized), Hydeville, Vt.
Old English Slate Quarries, (Switch Board, Circuit Breaker & Knife Switches, Panel Board), 1128 O. S. bldg, Boston, Mass.
Ontalaunee Slate Mfg. Co., Lynnport, Pa.
Penna. Blackboard Co., Slatington, Pa.
Pennsylvania Structural Slate Co., Drake bldg, Easton, Pa.
Penrhyn Slate Co., Hydeville, Vt.
PHOENIX SLATE CO., Penna bldg, Wind Gap, Pa.
Phoenix Soapstone Co., 71 Murray, New York



"PYRAMID BRAND"

Slate for Structural Purposes



SANITARY
Toilet Enclosures
Urinal Stalls
Shower Stalls
Sinks and Sink Tops
Bath Room Partitions
Laundry Tubs
Septic Tanks

INTERIORS
Steps
Risers
Platforms
Wainscoting
Plinths
Bases
Shelving
Window Sills
Coping
Chimney Caps
Tiling
Mantels
Dowels
Lintels

ELECTRICAL
Panel Boards
Switch Boards
Bans, etc.

MORTUARY
Vaults
Grave Covers

THE STRUCTURAL SLATE COMPANY
PEN ARGYL, PENNSYLVANIA

New York Chicago Pittsburgh Cincinnati
Boston Buffalo Washington Minneapolis
Philadelphia Cleveland Atlanta Kansas City

Portland-Monson Slate Co. ("Monson"), Portland, Me.



Portland-Monson Slate Co.
Quarriers of
MONSON SLATE
for Electrical Purposes
Natural Black, Oil Finish
Quarries, Monson, Maine
Office
Portland, Maine

Ribble R. W. & Co., First & B'way, Bangor, Pa.
Shenton Thos. H., Slatedale, Pa.
Slatington Slate Co., Slatington, Pa.
STRUCTURAL SLATE CO., THE, 101 Marietta, Pen Argyl, Pa. **(With Natural Slate Blackboard Co., Pen Argyl)**
See adv index at end of book
Woodley Slate Co., Bangor, Pa.
Young A. B. Co., Fair Haven, Vt.

13742— Slate (Laminated)

Central Commercial Co. (Miners'), 111 N Market, Chicago, Ill.

13742a—*Slate (Landscape Garden Work & Terrace)

Old English Slate Quarries, 1128 O. S. bldg, Boston, Mass.

13743—Slate (Mausoleum or Catacomb)

Bangor Slate Mining Co., Bangor, Pa.
Bangor Structural Slate Co., Bangor, Pa.
Keenan Structural Slate Co., Bangor, Pa.
Old English Slate Quarries, 1128 O. S. bldg, Boston, Mass.
Pennsylvania Structural Slate Co., Drake bldg, Easton, Pa.
STRUCTURAL SLATE CO., THE, 101 Marietta, Pen Argyl, Pa. **(With Natural Slate Blackboard Co., Pen Argyl)**
See adv index at end of book

13744— Slate Mill Stock

American Slate Co., Easton, Pa.
Bangor Structural Slate Co. (Jobbers), Bangor, Pa.
Blue Mountain Slate Co., Slatington, Pa.
Columbus Slate Co. (Jobbers), New Hayden bldg, Columbus, O.
Fair Haven Marble & Marbleized Slate Co., Fair Haven, Vt.
Hahn Granville (Mantel Stock), Walnut Port, Pa.
Hinchey Patrick F. & Co., Hydeville, Vt.
Hower J K, Danielsville, Pa.
International Slate Co., Slatington, Pa.
KEENAN STRUCTURAL SLATE CO., Bangor, Pa.
Lehigh Structural Slate Mfg. Co., Bangor, Pa.
Old English Slate Quarries, 1128 O. S. bldg, Boston, Mass.
Ontalaunee Slate Mfg. Co., Lynnport, Pa.
Peerless Slate Co., Delta, Pa.
Pennsylvania Structural Slate Co., Drake bldg, Easton, Pa.
Ribble R. W. & Co., First & B'way, Bangor, Pa.
Slatington Slate Co., Slatington, Pa.
Stoddard D. & Sons, Bangor, Pa.
STRUCTURAL SLATE CO., THE, 101 Marietta, Pen Argyl, Pa. **(With Natural Slate Blackboard Co., Pen Argyl)**
See adv index at end of book
Williams Slate Co., Mutual bldg, Richmond, Va.
Woodley Slate Co., Bangor, Pa.

13745—Slate (Morgue) & Dissecting Slabs

Bangor Structural Slate Co., Bangor, Pa.
Keenan Structural Slate Co., Bangor, Pa.
Lehigh Structural Slate Mfg. Co., Bangor, Pa.
Pennsylvania Structural Slate Co., Drake bldg, Easton, Pa.
Ribble R. W. & Co., First & B'way, Bangor, Pa.
STRUCTURAL SLATE CO., THE, 101 Marietta, Pen Argyl, Pa. **(With Natural Slate Blackboard Co., Pen Argyl)**
See adv index at end of book

13745a— Slate (Powdered)

Chrystal Chas. B. Co, Inc., 13 Cliff, New York *See adv index at end of book*

13746— Slate Register Frames or Borders

American Slate Co., Easton, Pa.
Durick Keenan & Co., Fair Haven, Vt.
Hinchey Patrick F. & Co., Hydeville, Vt.
Keenan Structural Slate Co., Bangor, Pa.
Ludlow Saylor Wire Co. (Double Crimped), 319H Pine, St. Louis, Mo.
Monson Maine Slate Co., 112 Water, Boston, Mass.
Ontalaunee Slate Mfg. Co., Lynnport, Pa.
Peerless Slate Co,. Delta, Pa.
Pennsylvania Structural Slate Co., Drake bldg, Easton, Pa.
STRUCTURAL SLATE CO., THE, 101 Marietta, Pen Argyl, Pa. **(With Natural Slate Blackboard Co., Pen Argyl)**
See adv index at end of book
Williams Slate Co., Mutual bldg, Richmond, Va.

13747—Slate Stair Treads & Risers

Albion Bangor Slate Co., Wind Gap, Pa.
American Slate Co., Easton, Pa.
Bangor Slate Mining Co., Bangor, Pa.
Bangor Structural Slate Co. (Also Chimney Tops & Refrigerator Linings), Bangor, Pa.
Blue Mountain Slate Co., Slatington, Pa.
Columbus Slate Co. (Jobbers), New Hayden bldg, Columbus, O.
Crown Slate Co., Pen Argyl, Pa.
Durick Keenan & Co., Fair Haven, Vt.
Excelsior Slate Co., Pen Argyl, Pa.
Fair Haven Marble & Marbleized Slate Co., Fair Haven, Vt.
Hahn Granville, Walnut Port, Pa.
Hower J. K., Danielsville, Pa.
International Slate Co., Slatington, Pa.
KEENAN STRUCTURAL SLATE CO., Bangor, Pa.
Lehigh Structural Slate Mfg. Co., Bangor, Pa.
Miller O. A. Slate Co. (Jobbers), Slatington, Pa.
Monarch Blackboard & Structural Slate Co., Slatington, Pa.
New York Slate Works, 255 E 138th, New York
Old English Slate Quarries, 1128 O. S. bldg, Boston, Mass.
Ontalaunee Slate Mfg. Co., Lynnport, Pa.
Peerless Slate Co., Delta, Pa.
Penna. Blackboard Co., Slatington, Pa.
Pennsylvania Structural Slate Co., Drake bldg, Easton, Pa.
Penrhyn Slate Co., Hydeville, Vt.
PHOENIX SLATE CO., Penn bldg, Wind Gap, Pa.
Ribble R. W. & Co., First & B'way, Bangor, Pa.
Schaeffer R. F. (Jobber), Bangor, Pa.
Slatington-Bangor Slate Syndicate (Jobbers), Slatington, Pa.
STRUCTURAL SLATE CO., THE, 101 Marietta, Pen Argyl, Pa. **(With Natural Slate Blackboard Co., Pen Argyl)**
See adv index at end of book
Tinsman M. L. & Co., Pen Argyl, Pa.
Washington Slate Co., Slatington, Pa.
Williams Slate Co., Mutual bldg, Richmond, Va.
Woodley Slate Co., Bangor, Pa.

13747a— Slate (Structural)

See Slate; also Stair Treads & Risers

Bangor Slate Mining Co. (Work), Bangor, Pa.
Bangor Structural Slate Co., Bangor, Pa.
Davis Slate & Mfg. Co., 618 E. 40th, Chicago, Ill.
Kennan Structural Slate Co., Bangor, Pa.
Knickerbocker Slate Corp., 153 E 23th, New York
Lehigh Structural Slate Mfg. Co., Bangor, Pa.
Penn Structural Slate Co., Inc., 309-311 Drake bldg, Easton, Pa.
Pennsylvania Structural Slate Co., Drake bldg, Easton, Pa.
PHOENIX SLATE CO., Penna bldg, Wind Gap, Pa.
Ribble R. W. & Co., First & B'way, Bangor, Pa.
STRUCTURAL SLATE CO., THE, Pen Argyl, Pa. *See adv index at end of book*
Superior Slate Co., Inc. ("Penna. Black"), Allentown, Pa.

13748— Slate Tanks & Vats

Blue Mountain Slate Co., Slatington, Pa.
Fair Haven Marble & Marbleized Slate Co., Fair Haven, Vt.
Keenan Structural Slate Co., Bangor, Pa.
Nelson N. O. Marble Co., Edwardsville, Ill.
New York Slate Works ("Empire"), 255 E 138th, New York
Old English Slate Quarries, 10 Milk, Boston, Mass.
Pennsylvania Structural Slate Co., Drake bldg, Easton, Pa.
Penrhyn Slate Co., Hydeville, Vt.
Portland-Monson Slate Co. ("Monson" for Chemical Mfrs.), Portland, Me.
STRUCTURAL SLATE CO., THE, 101 Marietta, Pen Argyl, Pa. **(With Natural Slate Blackboard Co., Pen Argyl)**
See adv index at end of book

Slate Tile

See Slate Floor Tile

13749—Slate Urinal Slabs, Etc.

American Slate Co., Easton, Pa.
Bangor Slate Mining Co., Bangor, Pa.
Bangor Structural Slate Co., Bangor, Pa.
Blue Mountain Slate Co., Slatington, Pa.
Blue Valley Slate Mfg. Co. (Ltd.), Slatington, Pa.
Butler Philip H. & Co., 197 B, South Boston, Mass.
Clow Jas. B. & Sons, 534 S Franklin, Chicago, Ill.
Columbus Slate Co. (Jobbers), New Hayden bldg, Columbus, O.
Durick Keenan & Co., Fair Haven, Vt.
Excelsior Slate Co., Pen Argyl, Pa.
Fair Haven Marble & Marbleized Slate Co., Fair Haven, Vt.
Hahn Granville, Walnut Port, Pa.
Hinchey Patrick F. & Co., Hydeville, Vt.
Hower J. K., Danielsville, Pa.
International Slate Co., Slatington, Pa.
KEENAN STRUCTURAL SLATE CO., Bangor, Pa.
Kimes J. B. & Co., 24th & Callowhill, Philadelphia, Pa.
McConnell Slate Co., 2445 Pacific, B'klyn, N. Y.

(Continued on following page)

Slate Urinal Slabs, Etc.—Continued

Monarch Blackboard & Structural Slate Co., Slatington, Pa.
Monson Maine Slate Co., 112 Water, Boston, Mass.
New York Slate Works, 255 E 138th, New York
Old English Slate Quarries, 1128 O. S. bldg, Boston, Mass.
Ontalaunee Slate Mfg. Co., Lynnport, Pa.
Peerless Slate Co., Delta, Pa.
Penna. Blackboard Co., Slatington, Pa.
Pennsylvania Structural Slate Co., Drake bldg, Easton, Pa.
Penrhyn Slate Co., Hydeville, Vt.
PHOENIX SLATE CO., Penn bldg, Wind Gap, Pa.
Slatington Slate Co., Slatington, Pa.
Snyder E. F., Slatington, Pa.
Structural Slate Co., The, Pen Argyl, Pa.
See adv index at end of book
Troy Bros. & Co., 975 Mass. av, Rox, Boston, Mass.
Western Slate Co., 326-328 Aberdeen, Chicago, Ill.
Williams Slate Co., Mutual bldg, Richmond, Va.

13750— Slates (School)

American Slate Works, Slatington, Pa.
Bangor School Slate Co. ("Star," "Crescent"), Bangor, Pa.
Griffin Bros., Bangor, Pa.
National School Slate Co., Slatington, Pa.
Shenton Thos. H., Slatedale, Pa.

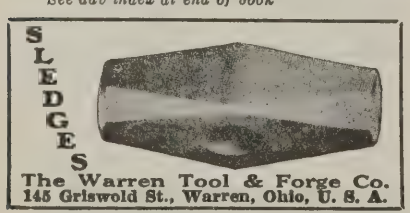
13751-2— Slats (Pole)

Campbell & Dann Mfg. Co., Tullahoma, Tenn.
Hallett Iron Works (Safety), Harvey, Ill.

13753— Sledge Mfrs.

See also Hammers, Heavy

Beall Bros. (Blacksmiths' Stone, etc), Alton, Ill.
Brunner & Lay (Quarry, etc), 570 W Polk, Chicago, Ill.
Ernsdorff John Iron Co. ("Jerico" Bob for Farm Use), Dubuque, Ia.
Evansville Tool Works (Coal, Blacksmith's Stone, etc.), 701 W Madison, Evansville, Ind.
Fulton Tool Works (Miners, etc), Canal Fulton, O.
Hammond C. & Son, Ogontz, Pa.
Hardsocg Mfg. Co. (Solid Cast Steel), Ottumwa, Ia.
Hardsocg Martin Co. (Coal), 922 South av, Pittsburgh, Pa.
Heller Bros. Co. (Octagon Turning, etc), 879 Mt. Prospect av, Newark, N. J.
Hubbard & Co. (Blacksmiths', Coal & Stone), 63rd & Butler, Pittsburgh, Pa.
Iron City Tool Works, Ltd. (Solid Cast Steel), 3201 Smallman, Pittsburgh, Pa.
Klein-Logan Co., 73th & Breed, Pittsburgh, Pa.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Plumb Fayette R. (Inc.), 4837 James, Philadelphia, Pa.
Stanley Rule & Level Co. (Atha Division), Phila., Pa.
New Britain, Conn.
Union Drop Forge Co. (Drop Forged), 358 W Grand av, Chicago, Ill.
Verona Tool Works, Plum st, Pittsburgh, Pa.
WARREN TOOL & FORGE CO. (Blacksmiths Coal Stone Turning), 145 Griswold, Warren, O.
See adv index at end of book



The Warren Tool & Forge Co.
145 Griswold St., Warren, Ohio, U. S. A.

Warwood Tool Co., 19th, Warwood, Wheeling, W. Va.
What Cheer Tool Co. (Cast Steel), What Cheer, Ia.

13754— Sleds (Bob)

Acme Wagon Co., Emigsville, Pa.
Anderson Co., 2324 University av, St. Paul, Minn.
Angle Steel Stool Co., Otsego, Mich.
Baker & Bennett Co. (Steering Sleds), 873 B'way, New York
Bassett E. C., Sterling, Ill.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Belknap Wagon Co., Grand Rapids, Mich.
Bristol & Gale Co., 153 Carroll av, Chicago, Ill.
Carriage & Toy Co., 741 W Lombard, Baltimore, Md.
Conner J. W. & Son, Orangeville, Pa.
Cooper A. A. Wagon & Buggy Co., Dubuque, Ia.
Donaldson Bros., Mount Clemens, Mich.
Evans B. A., Hammond, N. Y.
Everts Mfg. Co., Meridian, N. Y.
Kalamazoo Sled Co. ("Presto" Coasting), Kalamazoo, Mich.
Keller Mfg. Co., 1325 N E Quincy, Minneapolis, Minn.
Koch & Son Mfg. Co., St. Cloud, Minn.
La Crosse Plow Co., La Crosse, Wis.
Lansing Co., Lansing, Mich.
Lenhart Wagon Co., 2600 University a S. E., Mineapolis, Minn.
Moline Plow Co. ("Mandt"), Moline, Ill.
Northwestern Mfg. Co., Fort Atkinson Wis.
Parker Plow Co., Richmond, Mich.
Patterson Mfg. Co., Holly, Mich.
Sheboygan Coaster & Wagon Works ("Favorite" Steel, Also Wood Clippers), Sheyboygan, Wis.
Smith Mfg. Co., La Crosse, Wis.
Standard Novelty Works, Duncannon, Pa.
Sterling Mfg. Co., Sterling, Ill.
Stoughton Wagon Co., Stoughton, Wis.
Streich A. & Bro. Co. (Farm, Log, etc), Oshkosh, Wis.
Studebaker Corp., South Bend, Ind.
Sweet B. F. & H. L. Co. ("Common Sense"), Fond du Lac, Wis.
Tanner D. F., Holland, N. Y.
Thornburgh Mfg. Co. ("Famous Burton"), Bowling Green, O.
Turnbull Motor Truck & Wagon Co., Defiance, O.
Turney Joel & Co., Fairfield, Ia.
Vaughn Mfg. Co., Jefferson, Wis.
Western Steel & Iron Works ("Western"), De Pere, Wis.

13755-6—Sleds (Steering Childrens')

Allen S. L. & Co. ("Flexible Flyer," "Fire Fly"), 5th & Glenwood, Philadelphia, Pa.
AUTO-WHEEL COASTER CO. INC. (Formerly The Buffalo Sled Co.) ("Fleetwing," Steering on Runners), North Tonawanda, N. Y.
Bent Run Ladder & Mfg. Co., Indiana, Pa.
Buffalo Sled Co. ("Fleetwing" Steering on Runners), North Tonawanda, N. Y.
Carriage & Toy Co. ("Monoplane"), 741 W Lombard, Baltimore, Md.
Garton Toy Co. (Boys', Wood & Steel), Sheboygan, Wis.
Kalamazoo Sled Co., Kalamazoo, Mich.
Safety Sled Co. ("Safety"), Mt. Jewett, Pa.
Sherwood Bros. Mfg. Co. (Childrens' Bob), Canastota, N. Y.
Standard Novelty Works ("Lightning Guide"), Duncannon, Pa.
Steinfeld Bros. ("Steinfeld," Sleds & Steering Coasters), 116 W 32d, New York
Toledo Metal Wheel Co. ("Toledo" Steering Coasters & Rigid Sleds), Toledo, O.
Woodstock Mfg. Co., Inc., 1040 Jay, Rochester, N. Y.

13757—Sleeping Berths (Outdoor)

Kewanee Mfg. Co. ("Kewanee"), Kewanee, Ill.

13758—Sleeves (Automobile Tire)

Firestone Tire & Rubber Co. ("Firestone"), Akron, O.
Martin Auto Specialty Co. ("Martin"), Lancaster, Ohio

13759— Sleeves (Dredging)

Acme Rubber Mfg. Co., Trenton, N. J.
AMERICAN SPIRAL PIPE WORKS, Box 485, Chicago, Ill. & 50 Church, New York *See adv index at end of book*
Boston Belting Corp., 84 Linden Park st, Boston, Mass.
Boston Woven Hose & Rubber Co. ("Perfection"), Cambridge, Mass.
Cincinnati Rubber Mfg. Co., Cincinnati, O.
Combination Rubber Mfg. Co., Bloomfield, N. J.
Continental Rubber Works, Erie, Pa.
Darcoid Company, 1780 Broadway, New York *See adv index at end of book*
Empire Tire & Rubber Corp., Trenton, N. J.
Goodrich B. F. Co. (Rubber), Akron, O.
Goodyear Tire & Rubber Co., Inc. ("Goodyear"), 1144 E Market, Akron, Ohio
Gutta Percha & Rubber Mfg. Co., 350 Madison av, New York
Home Rubber Co., Trenton, N. J.
Manhattan Rubber Mfg. Co., Passaic, N. J.
N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
New York Belting & Packing Co., 91 Chambers, New York
Quaker City Rubber Co., 3927 Comly st, Phila., Pa. *See adv index at end of book*
Republic Rubber Co., Youngstown, O.
Revere Rubber Co., Chelsea, Mass.
United & Globe Rubber Co., Trenton, N. J.
U. S. Rubber Co., 1790 B'way, New York
See adv index at end of book

"U. S." Giant Dredging Sleeves
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.

13760-1—Sleeves (Drill & Punch)

Ampco Twist Drill & Tool Co., 18th & Howard, Detroit, Mich.
Cleveland Punch & Shear Works Co., 3917 St. Clair av N E, Cleveland, O.
See adv index at end of book
Collis Co. (Drill), Clinton, Ia.
Glenzer J. C. Co. ("Utility"), 3H 14th, Detroit, Mich.
Keystone Mfg. Co. (Taper), Buffalo, N. Y.
Lovejoy Tool Works (Drill), 319 W Ohio, Chicago, Ill.
See adv index at end of book
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
WHITMAN & BARNES MFG. CO., Akron, O. *See adv index at end of book*

13762— Sleeves (Paper)

(For Electrical Use, etc.)

Am. Elecl. Works, Phillipsdale, R. I.
Brandywine Fibre Products Co. (Vulcanized Fibre), E, Wilmington, Del.
See adv index at end of book
Cook Electric Co., 2700 Southport, Chicago, Ill.
Elastoid Fibre Co. ("Elastoid"), Waltham, Mass.
McCausland J. E., Providence, R. I.
Fairpoint Corp., New Bedford, Mass.
Sherwin Electric Co. (Bushings), Burlington, Vt.
Standard Underground Cable Co., 17th & Pike, Pittsburgh, Pa.
Stone Straw Co., 30 O, N E, Washington, D. C.

13763— Sleeves (Pipe)

Beaton & Cadwell Mfg. Co. ("Perfection" Galvanized Iron & Tin Adjustable & Non-Adjustable), New Britain, Conn.
Beaton & Corbin Mfg. Co. ("Adjusto," Adjustable), Southington, Conn.
Dayton Pipe Coupling Co. (Steel, for Pipe Mains, etc), Dayton, O.
Dresser S. R. Mfg. Co. (For Repair Work), Bradford, Pa.
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
Haines Co. (Adjustable), 1933 W Lake, Chicago, Ill.
Johnson W. H. & Son Co. ("Acme" for Insulating), 330 St. Joseph, Indianapolis, Ind.
Larkin J. K. & Co., 253 Broadway, New York *See adv index at end of book*
New Brunswick Iron Works ("Kellogg" Repair Sleeve, for Water Mains), New Brunswick, N. J.

13764— Sleeves (Plumbago)

McCullough-Dalzell Crucible Co. (For Bessemer & Open Hearth Furnaces), 36th & A. V. R. R., Pittsburgh, Pa.

13765-6—Sleeves (Pole Repair)

Drew Elec. & Mfg. Co., Collamer av, Cleveland, O.
Hubbard & Co. (Reinforced Wooden Poles), German Bank bldg., Pittsburgh, Pa.

13767—Sleeves (Trolley Wire Splicing)

Electric Railway Equip't Co., Cincinnati, Ohio
Eureka Co., North East, Pa.
Hickey & Schneider ("H. & S." Seamless), Elizabeth N. J.
More-Jones Brass & Metal Co., B'way & Dock, St. Louis, Mo.
Philadelphia Electrical & Mfg Co. ("Phila."), 1236 N 31st, Phila., Pa.
Reliable Elec. Co., 3145 Carroll av, Chicago, Ill.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

13768—Sleeves & Tees for Underground Construction

McIntire C. Co., 95 Oliver, Newark, N. J.

13769— Sleeving (Cotton)

(For Electrical Use, etc.)

Adamson Joseph & Co., Columbia & Wtn. av, Phila., Pa.
Anchor Webbing Co., Pawtucket, R. I.
Asbestos Fibre Spinning Co., North Wales, Pa.
Automatic Electric Co., 1001 W Van Buren, Chicago, Ill.
Barton F. C., 65 Worth, New York
Blakesley Novelty Co. (Cotton Knit), Bristol, Conn.
Buffalo Weaving & Belting Co. (For carrying Electric Wires Under Heat), Buffalo, N. Y.
Chicago Mica Co. (& Webbing), Campbell, Valparaiso, Ind.
See adv index at end of book
Dunton M. W. Co., 150 Niagara, Providence, R. I.
Empire Mfg. Co., Lockport, N. Y.
Hope Webbing Co., 1005 Main, Providence, R. I.

International Braid Co., 47 Charles, Providence, R. I.
Johns-Manville Inc. ("Niagrite Asbestos"), Madison av & 41st, New York
Mason J. S. & Sons, Westboro, Mass.
Mica Insulator Co., 68 Church, New York
Mohegan Tube Co., 304-400 Scott av, Brooklyn, N. Y.
See adv index at end of book
Niedner's Chas. Sons Co., Malden, Mass.
Wheeler Condenser & Engng. Co. ("Crescent Brand"), W Carteret, N. J.

13770— Sleighs (Logging)

Phoenix Mfg. Co., Eau Claire, Wis.
Ransome Concrete Machinery Co., Dunellen, N. J.

13771—Slicers (Fruit & Vegetable)

(Names with * also manufacture Monel Metal)

A. & J. Mfg. Co. ("A. & J."), Binghamton, N. Y.
Aisteel Mfg. Co. ("Whiz"), Battle Creek, Mich.
*Beckley Perforating Co., Garwood, N. J.
Catawissa Specialty Mfg. Co. (Vegetable), Catawissa, Pa.
*Cleveland Wire Cloth Co., Cleveland, O.
Disston Henry & Sons, Tacony, Phila., Pa.
Enterprise Mfg. Co. of Pa., 3rd & Dauphin, Phila., Pa.
Goodell Co. (Potato), Antrim, N. H.
Handy Things Mfg. Co., Ludington, Mich.
*Hendrick Mfg. Co., Carbondale, Pa.
Holmes E. J. & Son ("Clinton"), W State, Ithaca, N. Y.
Houchin Thos. W. (Revolving), 393 B'way, New York
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp., C. O., Southport, Conn.
Landers, Frary & Clark ("Universal," "French," "Lightning"), New Britain, Conn.
*Magosy & Buscher, 232 Canal, New York
*Munning & Co., A. P., Matawan, N. J.
Richardi & Bechtold, Bellaire, Mich.
Rollman Mfg. Co. (Ltd.) (Apple), Mt. Joy, Pa.
Shannock Narrow Fabric Co., Pawtucket, R. I.
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co., John P., New Haven, Conn.
Smith's John E. Sons Co. (Kraut), 50H Broadway, Buffalo, N. Y.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
*Tyler Co., W. S., Cleveland, O.
Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.
Zastrow Geo. W. (Pineapple, Power), 1410 Thames, Baltimore, Md.

13772— Slicers (Meat)

American Slicing Machine Co. ("American"), 209 S State, Chicago, Ill.
Anderson Computing Scale Co. ("Climax Sanitary"), Anderson, Ind.
Blakeslee Co., G. S., Cicero, Ill.
Canada Scale & Slicer Co., Ltd., Toronto, Ont., Can.
Cincinnati Butchers' Supply Co., 2008 Central av, Cincinnati, O.
Computing Cheese Cutter Co., Anderson, Ind.
Computing Scale Co., Dayton, O.
Dayton Scale Co., Dayton, O.
Deer A. J. Co. ("Royal"), Hornell, N. Y.
Holwick B. C., 104 Market av S, Canton, O.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Landers, Frary & Clark, New Britain, Conn.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Master Cutter Mach. Co., North av, Oakley, Cincinnati, O.
Smith's John E. Sons Co., Buffalo, N. Y.
Stimpson Scale & Mfg. Co., Northville, Mich.
Troemmer Hy., 911 Arch, Phila., Pa.
U. S Slicing Machine Co. (Imp.), 139 N Dearborn, Chicago, Ill.

13772a— Slickers

Alligator Clothing Co., 4171 Bingham, St. Louis, Mo.
Humphrys' R. A. Sons (Riding), 1026 Callowhill, Phila., Pa.
See adv index at end of book
Little Rock Tent & Awning Co., Little Rock, Ark.
Sawyer H. M. & Sons, Cambridge, Mass.
Standard Oiled Clothing Co., 810 E 152nd, New York

13773— Slicks (Carpenters')

Buck Bros., Millbury, Mass.
Jennings C. E. & Co. ("C. E. J. & Co.'s," "J. & G. Mfg. Co."), 71 Murray, New York
Peck, Stow & Wilcox Co., Southington, Conn.
Swan James Co., Seymour, Conn.
White L. & I. J. Co., 120 Columbia, Buffalo, N. Y.

13774—Slide Rests for Lathes

American Tool & Machine Co., 10 High, Boston, Mass.
Blount J. G. Co., Everett, Mass.
Mann Chas. A., 166 Doyle av, Providence, R. I.
Stark Tool Co. (Compound, for Bench Lathes), Waltham, Mass.

13775— Slides (Breast Strap)

Frazer & Jones Co. (Also "B. S." Combined Slide & Snap), Syracuse, N. Y.
Independent Register & Mfg. Co., 713 Frankfort, Cleveland, O.
Klauer Mfg. Co., Dubuque, Ia.
Midland Co., South Milwaukee, Wis.
North & Judd Mfg. Co. ("Anchor Brand"), New Britain, Conn.
Stearns E. C. & Co., 450 Oneida, Syracuse, N. Y.

13776— Slides (Desk)

Berbecker & Rowland Mfg. Co., Waterville, Conn.
Eagle Lock Co., Terryville, Conn.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Grand Rapids Brass Co., Grand Rapids, Mich.
National Lock Co., Rockford, Ill.
Standard Slide Corp. ("Standard" Typewriter), 209 W 48th, New York
STANLEY WORKS (Wrought Steel), New Britain, Conn.
See adv index at end of book
WATERBURY BUTTON CORPORATION (6-point Glides), 831 S Main, Waterbury, Conn.
See adv index at end of book

Slides (Furniture)

See Shoes, Sliding Furniture

13777—Slides (Lantern, Stereopticon, Etc.)

American Slide Co., Columbus, O.
De Vry Corp., 1111 Center, Chicago, Ill.
Des Moines Slide Co., Des Moines, Ia.
Excelsior Illustrated Co., Inc. ("Excelsior" Slides), 219 6th av, New York
Kansas City Slide Co. (For Advertising), New Central bldg, Kansas City, Mo.
McIntosh Stereopticon Co, 30 E Randolph, Chicago, Ill.
North American Slide Co., 1239 Vine, Philadelphia, Pa.
Novelty Slide Co., 209 W 48th, New York
Radio Mat Slide Co., 167 W 48th, New York
Standard Slide Corp ("Standard" Brass & Unbreakable Glass for Advertising), 209 W 48th, New York
Underwood & Underwood, 417 5th av, New York
Weeks Mfg. Co., 181 Tremont, Boston, Mass.

13778— Slides (Tent)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Humphrys' R. A. Sons, 1026 Callowhill, Phila, Pa. *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

13778a—Slides, Tray (Monel Metal)

Coco Brothers, Inc., 11 Baxter, New York
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Newman Manufacturing Co., 416 Elm, Cincinnati, Ohio

13779-80— Slings (Hay)

Goshen Mfg. Co., Goshen, Ind.
Hunt, Helm, Ferris & Co. ("Star"), Harvard, Ill.
Louden Machinery Co., Fairfield, Iowa
Milwaukee Hay Tool Co., Layton Park, Milwaukee, Wis.
Myers F. E. & Bro. ("Myers" Centre Trip Adjustable, "Utah" Centre Trip Adjustable, "Myers" Double Lock Adjustable & "Myers" Cable Ground Sling, "Myers" Chain), 950 Orange, Ashland, Ohio
See adv index at end of book
Ney Mfg. Co., Canton, O.
Ney V. L. Hay Tool Co., Canton, O.
Porter J. E. Co. (Center Grip), Ottawa, Ill.
Ricker Mfg. Co. ("Rochester"), Rochester, N. Y.
Strickler Hay Tool Co. ("Strickler"), Janesville, Wis.

13781— Slitters for Gang Slitting Machines

BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y. *See adv index at end of book*
Davis-Bournonville Co., Van Wagner av, Jersey City, N. J.
Tinker F. & Sons Co., 5637 Butler, Pittsburgh, Pa.

13781a— Smalts

Buck Bros., Millbury, Mass.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg., Cleveland, O.
See adv index at end of book

13782—*Smalts (Sign Painters')

BINNEY & SMITH CO., 41 E 42nd, New York
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

E. B. Estes & Sons Established 1847
Manufacturers of **Estes' Osmalto**
Estes' Sign Painters' Smalt.
Standard of Quality for 70 years
364 5th Avenue, New York City

13783-4— Smelters (Lead)

Balbach Smelting & Refining Co., 280 Broadway, New York
Belmont Smelting & Refining Works, Inc. (Belmont Brand—Bar, Block & Pig), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book
Desloge Consolidated Lead Co., Rialto bldg, St. Louis, Mo.
Lowenthal Co., 947 W 20th, Chicago, Ill.
Metals Refining Co., Inc., Edison bldg., Chicago, Ill.
Pennsylvania Smelting Co., Carnegie, Pa.
St. Josephs Lead Co., 60 Wall, New York
Sofranscy H. Co., Allentown, Pa.
Stanley Chemical Co., East Berlin, Conn.

13785-6—Smelters & Refiners

See also Babbitt Metal; also Refiners, Electrolytic Copper

Am. Smelting & Refining Co., 120 B'way, New York
American Zinc, Lead & Smelting Co., 55 Congress, Boston, Mass.
Argus Smelting Co., 47 W 34th, New York
Balbach Smelting & Refining Co., 280 Broadway, New York
Baltimore Copper Smelting & Rolling Co., Canton, Baltimore, Md.
Bartlesville Zinc Co., 61 B'way, New York
Belmont Smelting & Refining Works, Inc. (Buyers & Sellers All Metals), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book
Buffalo Smelting Works, 1 Austin, Buffalo, N. Y.
California Smelting & Refining Co., 1841 E 59th, Los Angeles, Cal.
Cerre De Pasco Mining Co., 15 Broad, New York
Chicago Metal Reduction Co., 20 W Jackson blvd, Chicago, Ill.
Chicago Smelting & Refining Co., 25th & Loomis, Chicago, Ill.
Coast Smelting & Refining Works, 2201 3rd, San Francisco, Cal.
Columbia Smelting & Refining Works, 366 West New York
Dee Thos. J. & Co., 5 S Wabash av, Chicago, Ill.
Delaware Metal Refinery, Washington & 18th, Phila., Pa.
Detroit Metal Refining Co., Book bldg., Detroit, Mich.
Duquesne Reduction Co., Farmers Bank bldg., Pittsburgh, Pa.
Eagle Smelting & Refining Works, 233 Broadway, New York
Electric Smelting & Aluminum Co. (Aluminum, Silicon, Manganese, Alloys), Lockport, N. Y.
Electric Smelting Corp., 450 Main, San Francisco, Cal.
Electro Smelting & Alloy Co., 1111 E 11th, Oakland, Cal.
Empire Smelting Co., Depew, N. Y.
Fidelity Metal Co., 193 Diamond, Brooklyn, N. Y.
Garfield Smelting Co. (Copper, Ore, etc), Salt Lake City, Utah
Goldsmith Bros. Smelting & Refining Co., 29 E Madison, Chicago, Ill.
Gracier S. B. Co, Inc. (Precious Metals), 608 Commercial, San Francisco, Cal.
Grasselli Chemical Co., Guardian bldg., Cleveland, O.
Great Western Smelting & Refining Co., 41st & Wallace, Chicago, Ill.
Harris, Benj. & Co. (Brass, Copper & Composition), 21st & Loomis, Chicago, Ill.
Hartman Ingot Metal Co. (Red & Yellow Ingot Metal), 2511 W 21st, Chicago, Ill.
Honkamp Bros. (Lead & Copper), 3951 Wentworth av, Chicago, Ill.
Illinois Smelting & Refining Co., 410 N Peoria, Chicago, Ill.
International Nickel Co., 67 Wall, New York

(Continued on following page)

Smelters & Refiners—Continued

Irvington Smelting & Refining Co., Irvington, N. J.
Jacobson L M. & Sons Co. (Brass, Copper, Lead, etc), 70 Catherine, Detroit, Mich.
Kahn Bros., 785 Humboldt, Brooklyn, N. Y.
Kramer H. & Co., Loomis & 21st pl, Chicago, Ill.
Lehman Bros., Hoboken, N. J.
Lelong L. & Bro. (Gold & Silver), 345 Halsey, Newark, N. J.
Lissberger Marks & Sons, 231 Borden av, L. I. City, N. Y.
Loraine Smelting & Refining Co., 25 N Dearborn, Chicago, Ill.
Lowenthal Co., 947 W 20th, Chicago, Ill.
McDonald Jas. & Sons Co., Cincinnati, O.
Matthiessen & Hegeler Zinc Co., La Salle, Ill.
Metal Supply Co., 2323 E 52nd, Los Angeles, Cal.
Metals Refining Co., Inc., Hump rd, Hammond, Ind.
Michigan Smelting & Refining Co., 7881 Jos. Campau av, Detroit, Mich.
See adv index at end of book
Monarch Metal Co., 119 So Lincoln, Chicago, Ill.
Nassau Smelting & Refining Works, 607 W 29th, New York
National Copper Refining Co., 1895 Coltman, Cleveland, O.
National Lead Co., 111 B'way, New York
National Smelting Corporation, 6800 Grant av, Cleveland, Ohio
See adv index at end of book
National Smelting & Refining Corp. (Platinum, Gold & Silver), 92 John New York
National Zinc Co. (Zinc), 61 B'way, New York
NEW JERSEY ZINC COMPANY, THE, 158 Front, New York
See adv index at end of book
New Metals & Process Co., Inc. (Lead) Reading, Pa.
Ohio Metal Co., 1137 No 4th, Columbus, O.
Pacific Platinum Works, Inc., 814 S Spring, Los Angeles, Cal.
Peninsular Smelting & Refining Co., 4683H W Jefferson av, Detroit, Mich.
Pittsburgh Smelting & Refining Co., Elizabeth & B. & O. R. R., Pittsburgh, Pa.
Progressive Metal & Refining Co., 432 Barclay, Milwaukee, Wis.
Reeves Paul S. & Co., 1415 Catherine, Phila., Pa.
Rex Metal Works, 1st av S & Spokane, Seattle, Wash.
Rich-Alloy Co., 13223 Euclid av, Cleveland, Ohio
Roessing Bronze Co., Etna, Pa.
St. Louis Smelting & Refining Co. (Lead Slag, etc), International Life bldg, St. Louis, Mo.
Schawel J. & Co. (Gold, Platinum & Silver in Sheet, Rod, Wire, Tubing, Foil & Silver Solder), 26 John, New York
Sofranscy H. Co., Allentown, Pa.
Stanley Chemical Co. (Tin, Lead, Aluminum, Copper & Zinc), East Berlin, Conn.
Star Refining Co., 116 W First, Boston, Mass.
Sunset Smelting & Refining Co., 1639 18th, Oakland, Cal.
Tacoma Smelting Co. (Lead, Copper, Gold, etc), Tacoma, Wash.
Tottenville Copper Co., Bedell, Tottenville, N. Y.
Trenton Smelting & Refining Co., Trenton, N. J.
Union Smelting & Refining Co., Inc., Newark, N. J.
Union Smelting & Refining Trust, 648 Laura, Los Angeles, Cal.
United American Metals Corp. ("Stanley Works"), 192 Diamond, Brooklyn, N. Y.
United Smelting & Aluminum Co., 183-189 Commerce, New Haven, Conn.
United States Metals Refining Co., 61 B'way, New York
United States Reduction Co., E Chicago, Ind.
United States Smelting Works, 1615 Spring Garden, Phila., Pa.
United Zinc Smelting Corp., 233 B'way, New York
Vercler Ray D. Smelting & Refining Works, 747 S Hill, Los Angeles, Cal.
Vulcan Louisville Smelting Co., 208 S La Salle, Chicago, Ill.
White & Bro., Hedley & Carbon, Philadelphia, Pa.
Wildberg Bros. (Platinum, Gold & Silver), 742 Market, San Francisco, Cal.
Zimmerman Process Syndicate (Refiners Only, Precious Metals), 221 E 28th N, Portland, Ore.

13787—Smelting Plants (Complete Equipment)

Allis-Chalmers Mfg. Co. (Copper & Lead), Milwaukee, Wis.
See adv index at end of book
Sewell Bros., 1025 Towne av, Los Angeles, Cal.
Traylor Engng. & Mfg. Co. (Copper & Silver Lead), Allentown, Pa.

Smoke Consumers

See Fuel Economizers; also Furnace Smokeless

13788—Smoke House Builders

Columbian Steel Tank Co., New England bldg, Kansas City, Mo.
Evers Iron Work ("Evers & Hilderbrandt Patent), 1569 Merwin, N. W. Cleveland, O.
Gehret Bros. (Doors, Meat Trees, Patent Floors, etc), Bridgeport, Pa.
Johns-Manville Inc. (Asbestos Wool), Madison av & 41st, New York
Northfield Furnace Co. (Galvanized Iron Meat Smokers), Northfield, Minn.
Wolf, Sayer & Heller, Fulton & Peoria Chicago, Ill.

13789—Smoke Jacks (Round House)

Asbestos, Shingle, Slate & Sheathing Co "Century," Asbestos Lumber), Ambler, Pa.
Dickinson Paul (Cast Iron & Wood), 334(S Artesian av, Chicago, Ill
Franklin Mfg. Co., Franklin, Pa.
Johns-Manville Inc. ("Vitribestos"), Madison av & 41st, New York
Mann-McCann Co. ("Bruyn," "Mann"), 305 So La Salle, Chicago, Ill.

13790— Smoke Stack Lining

Franklin Mfg. Co. ("Franklin"), Franklin, Pa.
Johns-Manville H. W. Co. ("Vitribestos") Madison av & 41st, New York
Warwick Constn. Co. (Steel), 1048H W Harrison, Chicago, Ill.

Smoke Stacks (Steel)

See Stacks, Steel

13791— Smokers (Bee)

Root A. I. Co., Medina, O.

13791a— Smoking Sets

Cig-Ash-Ador Co. ("Cig-Ash-Ador"), 960 Mission, San Francisco, Cal.
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Lyons Mfg. Co. ("Tuxedo" Safety Automobile), 342 York, New Haven, Conn.
METAL SPECIALTY MFG. CO. ("Presto"), Dept. H, 338 N Kedzie av, Chicago, Ill.
Schimper William & Co., 322-338 Ferry, Hoboken, N. J.
Teepe J. Chas., Inc. (Stands), Mott & Vernon avs, Long Island City, N. Y.
Wilmort Mfg. Co. ("Wilmort"), 428 S Green, Chicago, Ill.

13792-3—Smoothers (Asphalt)

Barber Asphalt Co. ("Iroquois"), Land Title bldg, Phila., Pa.
Littleford Bros., 444 E Pearl, Cincinnati, Ohio *See adv index at end of book*

13794— Snaps (Blanket)

North & Judd Mfg. Co. ("Royal," etc), New Britain, Conn.

13795—Snaps (Harness, Etc.)

See also Hooks, Snap

Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Covert Mfg. Co. ("Yankee," "Trojan," "King," "Queen," "Sterling," "Polo," "Covert," "Holdfast"), Troy, N. Y.
Covert Saddlery Works ("Crown," "Triumph," "Model"), Interlaken, N. Y.
East Bangor Mfg. Co. ("J. P."), Bangor, Pa.
Eberhard Mfg. Co. ("Sure-Fast," etc), C & P Ry & Tennyson rd, Cleveland, O.
Elbel Co., Canton, O.
Frazer & Jones Co. ("Buffalo," "Jones," "Syracuse," "Empire," "Acme," etc.), Syracuse, N. .
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Hayward S. F. & Co., (Fire Dept.), 250 W 54th, New York
Hogarty Edw., Unionville, Conn.
Imperial Bit & Snap Co., ("Imperial"), Racine, Wis.
Jenkinson R. C. & Co., 293 Washington, Newark, N. J.
Judd R. D., New Britain, Conn.
Midland Co., South Milwaukee, Wis.
National Safety Snap Co. ("Kingsnap" Spring Steel), Wilmington, O.
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
North O. B. & Co., New Haven, Conn.
North & Judd Mfg. Co. ("Anchor Brand," "Loxspring," "Quick-Kloze"), New Britain, Conn.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
Sargent & Co. ("Sampson," etc.), New Haven, Conn.
Walsh Safety Lock Snap Co. ("Walsh" Safety Lock Snap), Bellevue, O.
Washburn Co. (Wire Goods Div.) (Wire), 28 Union, Worcester, Mass.

13796— Snaps (Hitching)

Covert Saddlery Works Interlaken, N. Y.
East Bangor Mfg. Co. ("J. P."), Bangor, Pa.
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
North & Judd Mfg. Co. ("Anchor Brand"), New Britain, Conn.
Walsh Safety Lock Snap Co. ("Walsh" Safety Lock Snap), Bellevue, O.

13797— Snaps (Rivet)

Atlas Engineering Co., Lincoln, N. J.
Brunner & Lay, 570 W Polk, Chicago, Ill.
Cleveland Punch & Shear Works Co. (Alloy or Carbon Steel), 3921 St. Clair av N. E. Cleveland, O.

13798-9— Snaps (Swivel)

Covert Mfg. Co. ("Covert," "Yankee," "King" "Polo"), Troy, N. Y.
Frazer & Jones Co. (Trace, Breeching, etc), Syracuse, N. Y.
Imperial Bit & Snap Co., Racine, Wis.
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
North & Judd Mfg. Co. ("Anchor
Walsh Safety Lock Snap Co. ("Walsh" Brand"), New Britain, Conn.
Wilcox Crittenden & Co. Inc., 444 S Main, Middletown, Conn.
See adv index at end of book

13800— Snippers (Bean)

Gowanda Agricultural Works ("Century"), Gowanda, N. Y.
Myers F. E. & Bro. ("Myers" Centre Trip Adjustable, "Myers" Double Lock Adjustable & "Myers" Cable Ground Sling "Myers" Chain), 900 Orange, Ashland, O.

Snips (Pineapple Eye)

See Eyers, Pineapple

13801— Snips (Tinners')

Acme Shear Co. ("Ajax," "Star"), 82 Hicks, Bridgeport, Conn.
Atlas Shear Co., 230 North av, Bridgeport, Conn.
Bartlett Mfg. Co. ("Searight" Compound Lever Mechanics), 428 E Lafayette av, Detroit, Mich.
Bergman Tool Mfg. Co., Buffalo, N. Y.
Berridge Shear Co., Sturgis, Mich.
Boker Cutlery & Hardware Co., 101 Duane, New York
Bridgeport Hardware Mfg. Corp. ("Bull Dog," "Titan"), 461 Irving av, Bridgeport, Conn.
Clauss Shear Co. ("Clauss"), Fremont, O.
Clayton Mfg. Co. (Cast), Bristol, Conn.
Compton W. H. Shear Co. ("Reliance"), 314 Camden, Newark, N. J.
Emrich Phil ("Emrich"), 824 Main, Cincinnati, O.
Grey Iron Casting Co., Mt. Joy, Pa.
Heinisch's R. Sons Works, 109 Bruce, Newark, N. J.
Jackson Shear Co., Fremont, O.
Jennings C. E. & Co. ("Philadelphia"), 71 Murray, New York
Kraeuter & Co., 583 18th av, Newark, N. J.
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
Moore Drop Forging Co., Springfield, Mass.
Niagara Machine & Tool Works, Buffalo, N. Y.
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Page Storms Drop Forge Co. (Drop Forged), Chicopee, Mass.
Peck, Stow & Wilcox Co. ("1819 Original,' "P. S. & W." & "Samson"), Southington, Conn.
SMITH & HEMINWAY CO., INC. ("Red Devil"), 261 H B'way, New York, and 130H Colt, Irvington, N. J.
See adv index at end of book
Vicking Shear Co., Erie, Pa.
White Ira F. & Son Co. (Cast), Bloomfield, N. J.
Wiss J. & Sons Co. ("Wiss" Steel Forged), 31 Littleton av, Newark, N. J.

13802—Snow Brooms & Sweepers (Street Railways)

See also Plows, Snow; also Street Railway Sweeping Machines

Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Indianapolis Brush & Broom Mfg. Co., 26 Brush, Indianapolis, Ind.
McGuire-Cummings Mfg. Co. ("McGuire-Cummings" Automatic Sweeper & Loader, also Snow Sweepers), Harris Trust & Savings bldg, Chicago, Ill.
Russell Car & Snow Plow Co., Ridgway, Pa.
St. Louis Car Co., 3000 N B'way, St. Louis, Mo.

Snow Plows

See Plows (Snow)

13802a— Soap

See also Sub-Classifications following; also Compounds Cleaning; also Powders, Soap

CALIFORNIA.

BERKELEY—Peet Bros. Mfg. Co., 6th & Carlton
Standard Soap Co. (Laundry)
FRESNO—Fresno Soap Co. (Laundry).
LOS ANGELES—California Soap Co. (Hand), 1923 Santa Fe av
Insto Co. ("Insto"), 110 Center
Jennings-Sherry Co. (Toilet), 1307 S San Pedro
Los Angeles Soap Co. ("White King" Laundry), 633 E 1st
Miracle Sales Co. ("Pine-Ola" Paste), 651 N Bdwy
Pacific Soap Co., 5800 Central
MODESTO—Woodlite Laboratories
OAKLAND—Elkonite Soap Co. ("Elkonite"), 3d & Center
Lanz Louis
West Coast Soap Co., 26th & Poplar
SAN DIEGO—Citrus Soap Co.
Leiner John F. Chemical Co., 177 Jessie
SAN FRANCISCO—Alumina Soapalite Co., 625 3rd
Colgate & Co., 595 Mission. (See Jersey City, N. J.)
Crystalline Soap Co., Army & Hampshire
Fairbanks N. K. Co., Sheldon bldg. (See Chicago, Ill.)
Fischbeck Soap Co., 17th & Rhode Island
Gutradt Joseph Co.
Hockwald Chemical Co. (Liquid), 531 Howard
Leinen John F. Chemical Co., 177 Jessie
Los Angeles Soap Co., 599 2nd (See Los Angeles, Cal.)
Lucy G. R. & Co., 100 San Bruno
Michel & Pelton Co., Inc. ("Mapco" Liquid and Whale Oil), 639 Howard
Mission Soap & Candle Works, 18th & Harrison
Newell & Brother, Army & San Bruno
Old Oak Soap Co., Inc. ("Old Oak Quality"), 1053 Mission
Phoenix Laboratories ("A-Pache Kleenal" Hand), 702H Polk
Pioneer Soap Co., 15th & Vermont
Rogers R.R. Chemical Co., 527 Commercial
Standard Soap Co. (Laundry), 40 Beale
SAN JOSE—Baker R. W.
Garden City Soap Co.
SANTA CRUZ—Parsons & Hamilton
STOCKTON—Williams & Moore

COLORADO.

DENVER—Baum Bros. (Liquid)
Lee John D., no end 23rd st

CONNECTICUT.

BRIDGEPORT—Fairchild & Shelton Co., 305 Housatonic av
GLASTONBURY—Williams J. B. Co. (Shaving & Toilet)
HARTFORD—Hall-Thompson Co., 844 Windsor
MANCHESTER—Orford Soap Co. (Bon Ami)
MIDDLETOWN—Allison Bros. (Chip, Borax & Burnishing)
MYSTIC—Packer Mfg. Co. (See New York City)
STAMFORD—Star Mfg. Co. (Hand), 331 Summer
WATERBURY—Connecticut Oil Co.
WILLIMANTIC—Buck E. A. & Co., Dept. H

IDAHO.

BOISE—Idaho Soap Co.

ILLINOIS.

AURORA—Rogers A. Co. (Soft)
CHICAGO—Anchor Core Economy Soap Co. ("Anchored" Pumice & White Cream), 126 W Lake
Antiseptol Liquid Soap Co., 564 W Randolph
Armour Soap Works (Laundry), 1355 W 31st
Babbitt B. T. (Inc.), 223 N Jefferson (see New York City)
Beltine Chemical & Mfg. Co. (Benzine, Dry Cleaners), 6155 Wentworth
Burr David & Co., 170 N Kedzie
Crofts & Reed Co., 2335 W Austin av
Economy Hang Up Soap Co. (Pumice, Tar, Cream & Antiseptic), 136 W Lake
Eisenstadt Wm., 1615 W 42d
Fairbank N. K. Co. ("Fairy" Laundry & Glycerine Tar), 1525 Newberry
Fairchild M. H. & Bro., 6 W Austin av
Fitzpatrick Bros. (Soap Chips), 1319 W 32d pl
Fitzpatrick John Co., 28th & Western av
Globe Soap Co., 410 N Michigan blvd (see Cincinnati, Ohio)
Graham Bros. & Co., 1319 W Lake
Hine Bros. Co., 4023 S. Ashland av
Holman Soap Co., 3104 Fox
Kendall Mfg. Co., 941 W Van Buren (see Providence, R. I.)
Kirk James S. & Co., 1232 W North av
Lekko Soap Co., 925 S Wells
Palmolive Co. ("Palmolive" Toilet), 361 N Michigan av
Remmers Soap Co., 136 W Lake (See Cincinnati, Ohio)
Robertson Thos. B. Products ("20th Century"), 700 W Division
Rome Soap Mfg. Co., 3958 Calumet av
Schmidt Geo. A. Co. (Tar & Shaving), 236 W North av
Strong C. H. & Co. (Tooth), 180 N. Market
Uno Mfg. Co., 1315 Carroll
Welch W. M. Scientific Co. (Liquid), 1516 Orleans
Wrisley Allen B. Co. (Toilet & Laundry), 923 S Wells
DECATUR—Chromister V. H.
ELGIN—Elgin National Soap Co.
NORTH AURORA—Rogers A. Co.
ROCK ISLAND—Warnock & Ralston (Best Chipped, Toilet)
STREATOR—Genseke Herman
WOODSTOCK—Wicks & Compton

INDIANA.

HUNTINGTON—Huntington Chemical Co. (Liquid & Shaving)
INDIANAPOLIS—Hoosier Mfg. Co. (Vegetable Oil), 523 N McCarthy
International Metal Polish Co. (Oil), Quill & Belt Ry
Olds Soap & Chemical Co., 540 W McCarthy (Laundry)
Williams Soap Co., 519 W McCarthy
LAFAYETTE—Schnaible M. & J. Co. (Laundry)
LOGANSPORT—Heppe Wm. & Sons Co.

IOWA.

BURLINGTON—Burlington Soap Co. (Castile)
Iowa Soap Co. (Laundry & Toilet)
CLERMONT—Cla-Loid Mfg. Co. ("Cla-Loid")
DES MOINES—Harrah & Stewart Mfg. Co. (Hand)
Prouty-Bowler Soap Co.
DUBUQUE—Beach James & Sons (Toilet, Glycerine, Hand)
GRINNELL—Bonyata Chemical Co., (Liquid, Disinfectants & Scrubbing)
KEOKUK—Blom Peter H. C.
SIOUX CITY—Haskins Bros. & Co.
WAVERLY—Caphenin Chemical Co. (Liquid)

KANSAS.

KANSAS CITY—Kansas City Soap Co.
Peet Bros. Mfg. Co.
LEAVENWORTH—National Soap Co.

KENTUCKY.

COVINGTON—Heckman & Co.
LOUISVILLE—Louisville Soap Co. (Laundry), Shelby & Ormsby
Magic-Keller Soap Works, 1583 Washington

LOUISIANA.

NEW ORLEANS—Fairbank N. K. Co. Whitney bldg (See Chicago, Ill.)
Southern Refining & Mfg. Co., Terminal Tracks, nr. Frenchmen

MARYLAND.

BALTIMORE—Product Sales Co. (Sand), Equitable bldg
Union Soap Co. (Toilet & Laundry), 215 Arch

MASSACHUSETTS.

BOSTON—Babbitt B T. (Inc.), (see New York City)
Colgate & Co. (See Jersey City, N. J.)
Dunher & Perkins (Distributors), 287 Atlantic av
Fairbank N. K. Co. (see Chicago, Ill.)
Hydro Palm Soap Co. Neponset
India Alkali Works (Shield Oil Soap & Savogran Soap Powder), 28 India Wharf
Kenney F. Mfg. Co., 368 Dorchester av
Lockwood Brackett & Co. (Castile & Olive Oil), 222 State
McLean-Jones Oil & Supply Co., Inc., 49 Court
Marsh Geo. E. Co. (see Lynn, Mass.)
Morse J. F. & Co., 66 Norfolk av (Rox)
Speare's Alden Sons Co. (Laundry) (Cambridge), 156 6th
Standard Chemical & Supply Co., 16 Second
Stewart A. Collins Co., 70 Freeport
Warren Soap Mfg. Co., 77 Summer
Wing, Mitchell & Co., 113 Broad
Woodley Soap Mfg. Co., 33 Norfolk av (Rox.)
CAMBRIDGE — Flash Chemical Co. ("Flash" Antiseptic Hand Cleaner, "Flash Vegetol," "Flash Hard Water Hand Pumice" Hand & Toilet), 160 2d
International Supply Co. ("Everybody's"), 2d & Bent
Kemp Lysander & Sons Inc. (Bar & Chip)
Lever Bros. Co. ("Lifebuoy," "Welcome" Toilet, and "Sunlight" Laundry)
Reardon John & Sons Co. (Tallow, Oleo Oil, etc)
Teele Soap Co.
CHARLESTOWN—Rand & Byam (Laundry)
CHELSEA—Norris Wm. H. & Sons
EAST CAMBRIDGE—Standard Chemical & Supply Co. ("Soaposo"), 172 2d
GREENFIELD—Diamond Electric Soap Co.
HOLYOKE—Abbott W. H.
LAWRENCE—Beach Soap Co. (Laundry, Household & Chip)
LOWELL—Lowell Rendering Co.
LYNN—Hamson J. & Son (Laundry)
Marsh Geo. E. Co., 393 Chestnut
NEW BEDFORD—Hersom Thomas & Co.
NORTH ANDOVER—Glennie John
NORTH WEYMOUTH—Kleno Mfg. Co.
QUINCY—Bates C. F. & Co. (see Boston, Mass.)
ROCKLAND—Torrey J. A.
SOMERVILLE—Norton George W.
SPRINGFIELD—American Textile Soap Co. (Laundry & Small), Springfield, Mass.
Ericka Mfg. Co. (Hand), 882 Liberty
Markham A. G. Co., 20 Stockbridge
Springfield Rendering Co., Plainfield
TAUNTON—Bassett Walter
WOLLASTON—Bates Chas. F. & Co.
WORCESTER—Eastern Supply Co. (Laundry & Textile), 2 Canterbury
White & Bagley Co. (Oil)

MICHIGAN.

ALBION—Albion Chemical Works
DETROIT—Eaton Clark Co. (Benzine & Ammonia), 204 Woodward av, Detroit, Mich.
National Soap Co. (Automobile Oil Soap & Vegetable Oil Fig Soap), 1910 Franklin
Wayne Soap Co. (Chipped, Laundry, Toilet, Dry Cleaning & Oil), Copeland & M. C. R. R.
KALAMAZOO — Kalamazoo Soap Co. (Laundry & Electric Pumice)
PORTLAND—Wolverine Soap Co.
REPUBLIC—Nikulas Herman

MINNESOTA.

MINNEAPOLIS—Durkee-Atwood Co. ("Rie Nie"), 40 Wilder, Minneapolis, Minn.
Pure Oil Co., 1st & 13th av
Purity Soap Co., 100 Humboldt av, N
Van Tilburg Oil Co. (Linseed, Liquid & Oil), 2424 University av, S E
SAINT PAUL—Kenny J. T. & Company (Green & Linseed Oil)
SOUTH STILLWATER—Utecht August
WINONA—Hirschfeld A.
Old County Green Soap Co.
Winona Packing & Soap Co.

MISSOURI.

KANSAS CITY—Kansas City Soap Co., Shawanee & R. R.
Peet Bros. Mfg. Co., 15th & Kansas av av
ST. LOUIS—Cremoline Disinfecting Co. (Liquid), 121 S Main
Miller, Bonner & Co (Harness)
Sayman T. M. Products Co. (Toilet), 2111-2137 Franklin av
Vestal Chemical Co. ("Vestal" Liquid), 1128 Pine
Waltke Wm. & Co. (Lava, Olive Oil, Castile & Toilet), Second & Grand

MONTANA.

HELENA—Perry C. T. & Co.

NEBRASKA.

GIBBON—Rogers Virgil (Toilet)
OMAHA—Haskins Bros. & Co. (see Sioux City, Ia.)

NEVADA.

RENO—Commercial Soap Co.

NEW HAMPSHIRE.

MILFORD—Keith Wm. S.

NEW JERSEY.

CAMDEN—Eavenson J. & Sons (Auto, Textile, "Wm. Penn" & "Insto" Chip)
HARRISON—National Oil Products Co.
JERSEY CITY—Colgate & Co. (Toilet & Laundry), 105 Hudson
Holbrook Mfg. Co. (Laundry, Textile, Chip, Castile & Potash), 13th
Quaker Soap Co., 207 Provost
Seydel Chemical Co., 86 Front
MILLVILLE—Daytons' Soap Mfg. Co.
NEWARK — Chalmers Chemical Co. ("Phenoid" Hand), 123 Chestnut
Mennen Co. (Shaving), 42 Orange
National Oil & Supply Co. (Automobile), 174 Freyilnghuysen av
NEW BRUNSWICK—Johnson & Johnson (Liquid & Shaving)

NEW YORK.

ALBANY—Christian Bros. Soap Co., 42 Delaware av
BINGHAMTON—R. & G. Soap & Supply Co. (Toilet)
BUFFALO—Harris Soap Co., 18 Stetson
Hoefner A. & Sons (Laundry & Toilet), 160 Van Rensselaer
Larkin Company (Naptha, Laundry Scouring, Carbolic, Castile & Shaving), 663 Seneca
Lautz Bros. & Co., Ellicott sq
Windsor Soap Co., 963 William

(Continued on following page)

Soap—Continued

NEW YORK—Continued
CORTLAND — Cortland Specialty Co. (Automobile Oil & Liquid)
COHOES—American Soap & Washoline Co.
ELMIRA—White J. Frank (Laundry)
FAIRPORT—Creamo Specialty Co.
GLEN COVE—Seaman Oil Co. (Automobile Oil)
LOCKPORT—Electric Smelting & Aluminum Co. (Alumina Soapalite Laundry Bar)
NEWBURGH—Granite City Soap Co.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Barnes Almond W., 32 Eagle
Bristol-Myers Co. (Liquid), 281 Greene av
Gill Thos. Soap Co., 711 Kent av
Harral Soap Co. (All Kinds), 136 Havemeyer
Kirkman & Son, 215 Water
Morgan Drug Co., 1512 Atlantic av
Pagnod A. & Sons (Castile), 229 50th
Pride of the Kitchen Co. (Scouring), 400 Smith
Quick-Kleen Soap Co., 191 Sanford
Rokeach I. & Sons, 345 Hewes
Thompson's Carbolic Soap Co. (Laundry, Toilet & Medicinal), 46 Eagle
Union Soap Co., 119 4th pl

Boroughs of Manhattan and Bronx.

NEW YORK—Ajax Oil & Grease Co. (Automobile), 946 8th av
American Cotton Oil Co. (Cottonseed, Fulling & Scouring), 239 W 30th
Babbitt B. T. (Inc.) (Liquid & Scouring), 15 W 34th
Bon Ami Co. (Selling Agents), (Scouring), 17 Battery pl
Clifton Chemical Co. (Liquid), 246 Front
Cook & Swan Co., Inc. (Whale Oil & Fish Oil), 148 Front
Daggett & Ramsdell (Shaving), 214 W 14th
Daland & Company, 13 Hudson
Devillers Soap Co. (Liquid & Automobile Oil), 95 Cliff
Eimer & Amend (Impt.), 205 E 18th
Empire Soap Co. (Laundry), 13 Hudson
Fairbank N. K. Co., 239 W 30th (see Chicago, Ill.)
Farr Mfg. Co., 150 Nassau
Frank P. M. Disinfecting Co., 91 Bleecker
Janvier Walter, 417 Canal
Kendall Products ("Ken," "Kendene," "Korex," Graino," "No. 13"), 709 6th av
Kirk Jas. S. & Co. 203 W Broadway (See Chicago, Ill.)
Larkin Company, 200 5th av (See Buffalo, N. Y.)
Lathrop H. R. & Co. (Castile), 116 Beekman
Lockwood, Brackett & Co. (Castile & Olive Oil), 299 Madison (see Boston, Mass.)
Manhattan Soap Co. (Toilet), 426 W 13th
Moore Bros. Co. (Leaf & Toilet), 154 Chambers
Morgan's Enoch Sons Co. ("Sapolio," Hand & Laundry), 439H West
Mulhens & Kropff (Fancy), 25 W 45th
National Oil Co., 17 Battery pl
Oil & Grease Co. (Automobile), 65 B'way
Packer Mfg Co. (Liquid & Tar), 81 Fulton
Procter & Gamble Distributing Co. 100 Broad (See Cincinnati, O.)
Saponel Chemical Co. (Hand), 1916 Park av
Soapitor Company (For Soapitors), 154 W 14th
Stanley James (Laundry), 430 W 29th
Stanley John T. (Hand), 642 W 30th
Utility Company (Hand & Liquid), 636 W 44th
Williams J. B. Co. (Shaving & Toilet), 200 5th av

Borough of Queens.

LONG ISLAND CITY—Domestic Soap Mfg. Co. (Scouring), 113 6th
(End of New York City.)

NORTH TONAWANDA—Farr Mfg. Co.
ROCHESTER—Puritan Soap Co. (Liquid), 496 Exchange
Tatlock Brothers (Hand)
Zonneyville M. J.
ROME—Rome Soap Mfg. Co. ("Three B")
SYRACUSE—Robertson J. T. Co. (Toilet, Laundry & Mill), 147H Richmond av

OHIO.

AKRON—Akron Soap Co. (Laundry & Toilet)
CANTON—Hygienic Products Co.
CINCINNATI — Cincinnati Soap Co. ("Sternes" Toilet, Bath, Shaving, Glycerine & Medicinal), Spring Garden & Clifton avs, Winton pl
Fischer Soap & Oil Co., 2715 Colerain av
Fry Brothers & Oil Co. (Soap Chips), 111 E Canal
Globe Soap Co. (Borax Powdered), Walsh bldg
Hunnewell Soap Co. (Oil), 812 Genessee
Jergens Andrew Co., Spring Grove av & Alford
Moore Oil Co., 683 Cleveland av
Procter & Gamble Co. ("Ivory," "P. & G." Laundry), Gwynne bldg
Remmers Soap Co. (Peroxide, Vegetable Oil, Toilet, Sulphur, Glycerine, Tar, Castile, etc), 2361 Spring Grove av
Snyder T. H. & Co., 810 Broadway
Werk M. Company, Murray rd, St. Bernard
CLEVELAND—Buchan Soap Co., 933 Hume av N W
Central Soap Mfg. Co. (Carbolic Castile, Wire Drawers, 2671 E 75th
Chemical Supply Co. (Liquid), 2450 Canal
Cuyahoga Soap Co., 808 Denison av
Energine Refining & Mfg. Co. (Lo Soap), 242 Arcade
Great Western Oil Co., 2846 E 37th
Klean-Wel Mfg. Superior Viaduct Co. ("Klean-Wel"), 2220 W 85th
Parker Refining Co. (Automobile), 1307 W 11th
Phoenix Oil Co. (Liquid), 2554 W 5th
Pioneer Mfg. Co. (Liquid & Linseed Oil), 3053H E 87th
Schwarz S. A. Oil Co., 5716 Euclid
COLUMBUS—Janton Geo. & Sons Co., 373 W Mound
DAYTON—Beaver Soap Co. (Pine Tar)
Davies Young Soap Co.
Fansher Brothers
Hewitt Bros. Soap Co.
Wolf Creek Soap Works
HAMILTON—Smith E. A. (Oil)
IRONTON—Wiehle Bros. Soap Works
MANSFIELD—Frietchen Edward & Bro.
MARIETTA—Northwestern Chemical Co. (Hand, Liquid & Pumice)
NEWARK—Newark Tallow Co.
NEW RICHMOND—Talley Co. (Liquid)
SANDUSKY—Musson J. W.
TIFFIN—Eidt George M.
TIPPECANOE CITY—Amole Soap Co. (Liquid & Paste)
YOUNGSTOWN—Akron Soap Co. (Laundry & Toilet)

OREGON.

PORTLAND—Luckel King & Cake Soap Co., 642 Hood
Mt. Hood Soap Co., 270 Glisan
Palmolive Co. ("Palmolive"), 452 N 20th
Wightman Geo. E. Co. ("Ish-Ka-Bibble" Carpet & Sink Soap), 90 11th

PENNSYLVANIA.

CHAMBERSBURG—Gerbig J. C. & Son
COLLINGDALE—Mione Mfg. Co. (Grit Hand)
CONSHOHOCKEN—Getz There Soap Co.
FRANKLIN—Sibley Soap Co.
HARRISBURG—Sieber F. C.
LANCASTER — Pennsylvania Soap Co. (Toilet & Laundry)
LEBANON—Lessley A. L.
Shucker & Shindel
PHILADELPHIA—Bates Howard M., 1140 Fairmount av
Day & Frick, 1760 N Howard
Dobbins Soap Mfg. Co. (Laundry), 119 S 4th
Enterprise Mill Soap Works, 2329 N 12th
Fairbank N. K. Co. (See Chicago, Ill.)
Fels & Co. ("Fels Naphtha" White Laundry), 73rd & Woodland av
Fox Charles J. (Textile), 813 S Philip
Gartside's Iron Rust Soap Co. ("Iron Rust" & "Electrocotn"), 677 N Preston
Good James Inc. (Fish Oil & Special for Industries), 2113H E Susquehanna av
Harding H. C. (Mill), Sedgley & W 18th
Harding & Fancourt (Olive, Fig, Palm & White Tallow), 516 S Delaware
Laurel Soap Mfg. Co., Inc., Hope & Palmer
Modoe Company, Fernwood
Morrison F. E. Co., 5730 Kingsessing av
Procter & Gamble Distributing Co. Bourse. (See Cincinnati, O.)
Scholler Bros. Co. (Olive, Tallow, Palm & Chipped), Amber & Westmoreland
Stanley John T., 123 N 4th (see New York City)
Tomson P. C. & Co., 29 Washington av
Tully James J., 179 Master
Wilson-Martin Co., 30th & Market
Young C. W. & Co., 1247 N 26th
PITTSBURGH—Colgate & Co. (See New York City)
Fairbank N. K. Co., May bldg. (See Chicago, Ill.)
Falck F. L. & Co., 1400 High
Globe Soap Co., 1204 Penn av. (See Cincinnati, O.)
Proctor & Gamble Distributing Co. (See Cincinnati, O.)
Strunz S. & Son (Special, also Liquid Soft & Laundry), 708 Bingham
Walker W. & H., Herrs Island
SHARPSBURG—Williams Joseph Co.
WARREN—Warren Specialty Co. (Chip)
WOONSOCKET—Standard Soap Mfg. Co.

RHODE ISLAND.

EAST GREENWICH—Farrington W. U. (Estate of)
NEWPORT—Jones E. D. & Son
PAWTUCKET—Draper J. O. Co.
Perry Oil Co.
PROVIDENCE—Harris A. W. Oil Co. (Motor Car), 326 S Water
Kendall Mfg. Co., 90 Friendship
Miley Soap Co.

TENNESSEE.

CHATTANOOGA—Scholze Henry A., Belt Ry. & Long
KNOXVILLE—Wag's Chemical Co. ("Mar-Jo-Rey" Toilet Soap), 521 S Gay

TEXAS.

DALLAS—Armstrong Packing Co.
Trinity Cotton Oil Co. ("Trinity" Boiled Down Soap)
SAN ANTONIO—Dietrich J. & Co. (Cottonseed Oil)
Lange Soap Co. (Laundry)

UTAH.

SALT LAKE CITY—Utah Soap Co.

VERMONT.

BENNINGTON—Adams Enos Co. (Mineral Soap Crystals & Hand Paste)
BURLINGTON—Hough H. H.

WASHINGTON.

SEATTLE—Bernard W. J.
North Coast Soap Co., 6317 17th av S
Riebe Soap & Chemical Works, 801 Roy
SPOKANE—Western Soap Co. ("Western Maid"), N 1402 Ash
TACOMA—National Cocoa Nut Butter Co., 25th & Adams

WISCONSIN.

APPLETON—Heinskill John
GREEN BAY—Green Bay Soap Co. (Laundry)
MADISON—Kallen M. & Son
MILWAUKEE—Lavo Company, 48 7th
Milwaukee Soap Co., 379 4th
Wadham's Oil Co. (Liquid, Toilet, Oil & Drilling), 359 Clinton
SHEBOYGAN—Rexine Co. (Toilet)

13803—Soap (Automobile Oil)

Ajax Oil & Grease Co., 946 8th av, New York
Camden Chem. Mfg. Co. ("Greyhound" Neutral Suds), 1800 Mickle, Camden, N. J.
Chemical Supply Co., 2450 Canal rd, Cleveland, Ohio
Davies Young Soap Co. ("Buckeye" Cleanser), Dayton, O.
Devillers Soap Co. ("National"), 95 Cliff, New York
Durkee-Atwood Co. ("Rie Nie"), 40 Wilder, Minneapolis, Minn.
Eavenson J & Sons ("Jesco," "Truxo," "Quaker City"), **Camden, N. J.**
Flash Chemical Co. ("Flash Vegetal"), 160 2d, Cambridge, Mass.
Green Oil Soap Co. ("Commercial"), 166 N Curtis, Chicago, Ill.
Good James Inc., 2113H E Susquehanna av, Phila., Pa.
Gutradt Jos. Co., 350 Fremont, San Francisco, Cal.
Hollingshead R. M. Co. ("Whiz"), Camden, N. J.
Hoosier Mfg. Co. ("Knoxall"), 1231 Roosevelt, Indianapolis, Ind.
Houghton E. F. & Co. ("Houghton"), 240 W Somerset, Phila., Pa.
India Alkali Works ("Shield"), 28 India Wharf, Boston, Mass.
International Metal Polish Co. ("Blue Ribbon"), Quill & Belt Ry, Indianapolis, Ind.
Ironside Co., 395-7 Broad, Columbus, O.
Monahan Antiseptic Co., 166 N Curtis, Chicago, Ill.
National Oil Products Co., Harrison, N. J.
National Oil & Supply Co. ("Viscos"), 174 Frelinghuysen av, Newark, N. J.
National Soap Co. ("Auto King"), 1910 Franklin, Detroit, Mich.
Oil & Grease Co. ("O & G"), 65 B'way, New York
Palmolive Co., 361 N Michigan av, Chicago
Parker Refining Co., Cleveland, Ohio
Puritan Soap Co. ("Puritan"), 496 Exchange, Rochester, N. Y.
Riebe Soap & Chemical Works, 801 Roy, Seattle, Wash.
Seaman Oil Co., Glen Cove, N. Y.
Sibley Soap Co., Franklin, Pa.
Stock G. B. Xylite Grease & Oil Co., Port Huron, Mich.
Waverly Oil Works, 54th st & A. V. R. R., Pittsburgh, Pa.
Woodtite Laboratories, Modesto, Cal.

13804— Soap Bark

Anderson-Hillier Co., Inc. (Imp.), 73 Hudson, New York

13805— Soap (Castor Oil)

Bosson & Lane, Atlantic, Mass.

13806—Soap Dispensers (Liquid)

Antiseptol Liquid Soap Co. ("Antiseptol"), 564 W Randolph, Chicago, Ill.
Bobrick Chemical Co. ("Sop-O-Zon"), 111 Garey, Los Angeles, Cal.
Clifton Chemical Co., 246 Front, New York
Cremoline Disinfecting Co., 121 S Main, St. Louis, Mo.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Flash Chemical Co. ("Flash"), 160 2d. Cambridge, Mass.
Garnet Geo. H. Co., 911 N Lumber, Allentown, Pa.
Hoosier Mfg. Co., 521 W McCarthy, Indianapolis, Ind.
Kline Co. ("Kliko"), 455 Folsom, San Francisco, Cal.
MORRILL CHAS., INC. ("Soapurn" & "Apex", for All Purposes), 94 Lafayette, New York
See adv index at end of book



Liquid Soap Dispensers and System
We Have a Model for Every Place.
Send for Full Sized Illustrations.
CHAS. MORRILL, Inc.
94 Lafayette Street, New York

O'Kleen O Products Co., 712 Madison av, Baltimore, Md.
Palmolive Co., 361 N Michigan av, Chicago
Rochester Germicide Co., 16 Dowling pl, Rochester, N. Y.
Rogers R. F. Chemical Co., 527H Commercial, San Francisco, Cal.
Sanitary Products Co., 2710 Lefeve, Phila., Pa.
Smithereen Co., 7417 Stony Island av, Chicago, Ill.
Soapitor Co., 154 W 14th, New York
West Disinfecting Co. ("Soaparatus"), 411 Fifth av, New York
See adv index at end of book

13806a—*Soap Distributing Systems

MORRILL CHAS. INC. ("Soaptank." "System consists of 2½ gallon tank, piping, fittings and valves. Particularly adapted for Hotels, Factories and Washrooms where economy of operation, minimum attention to, and maximum soap supply are required"), 94 Lafayette, New York
See adv index at end of book
Rochester Germicide Co., 16 Dowling pl, Rochester, N. Y.

13806b— Soap Flakes

Beach Soap Co., Lawrence, Mass.
Colgate & Co. ("Fab"), 105 Hudson, Jersey City, N. J.
Eavenson J. & Sons ("Insto" & "Wm. Penn" Chips), Camden, N. J.
Fitzpatrick Bros., 1319 W 32d pl, Chicago, Ill.
Fry Bros. & Co., 111 E Canal, Cincinnati, O.
Kemp Lysander & Sons Inc., Cambridge, Mass.
Lever Bros. Co. ("Lux"), Cambridge, Mass.
Palmolive Co., 361 N Michigan av, Chicago
Procter & Gamble Co. ("Ivory"), Gwynne bldg, Cincinnati, O.
Wayne Soap Co., Copeland & M. C. R. R., Detroit, Mich.

13807— Soap (Green)

Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Good James Inc., 2113H E Susquehanna av, Phila., Pa.
National Oil Products Co., Harrison, N. J.
Pacific States Chemical Co. ("Nu-Sol"), 200 Green, San Francisco, Cal.
Riddle Chemical Co. (& U. S. P. Green), 35 S Dearborn, Chicago
See adv index at end of book
Robertson Thos. B. Products Co. ("T. B. R." & "20th Century"), 700 W Division, Chicago, Ill.

13808— Soap (Hand)

A-I Mfg. Co. ("A-I" Mechanics), Front & Wharton, Phila., Pa.
Adams Enos Co., Bennington, Vt.
American Silverlie Products Corp. ("Silverlie" & "Velva-Dew"), Oregonian bldg, Portland, Ore.
Bohrick Chemical Co. ("Sop-"O-Zone"), 111 Garcy, Los Angeles, Cal.
Bobrick Chemical Co. ("Lop-O-Zon"), 111 Garey, Los Angeles, Cal.
Bosson & Lane (Para Oil), Atlantic, Mass
California Soap Co., 2437 E 9th, Los Angeles, Cal.
Chalmers Chemical Co. ("Phenoid"), 123 Chestnut, Newark, N. J.
Climax Cleaner & Mfg. Co., 2080 W 110th, Cleveland, O.
Colgate & Co., 105 Hudson, Jersey City, N. J.
Davies, Young Soap Co. ("Whiz"), Dayton, O.
Durkee-Atwood Co. ("Rie Nie"), 40 Wilder, Minneapolis, Minn.
Eastern Lubricants Co., 20th & Minnesota, San Francisco, Cal.
Elkonite Soap Co. ("Elkonite"), 3d & Center, Oakland, Cal.
Ericka Mfg. Co., 882 Liberty, Springfield, Mass.
Flash Chemical Co. ("Flash"), 160 2d Cambridge, Mass.
Hall-Thompson Co., 844 Windsor, Hartford, Conn.
Harrah & Stewart Mfg. Co. ("Thumbs"), Des Moines, Ia.
Harral Soap Co., 136 Havemeyer, Brooklyn, N. Y.
Hollingshead R. M. Co. ("Soiloff" "Washeasy" "Menz"), 112 N 9th, Camden, N. J.
Hoosier Mfg. Co. (Pumice "Hoosier"), 1231 Roosevelt rd, Indianapolis, Ind.
Insto Co. ("Insto"), 110 Center, Los Angeles, Cal.
International Metal Polish Co. (Cold Cream"), Quill & Belt Ry, Indianapolis, Ind.
International Supply Co. ("Everybody's"), 2d & Bent, Cambridge, Mass.
Johnson B. J. Soap Co., 42-4th, Milwaukee, Wis.
Kendall Products Corp. ("Ken," "Kendene," "Korex," "Granio," "No. 13"), 709 6th av, New York
Kimball C. M. Co. ("Kimball"), Winthrop, Mass.
King-Karbo Products Corp., 825 Concord, Pittsburgh, Pa.
Klean-Wel Mfg. Co. (Klean-Wel"), Superior Viaduct, Cleveland, O.
Kleno Mfg. Co., N Weymouth, Mass.
Mione Mfg. Co. ("Mione"), Collingdale, Pa.
Modoc Co., Fernwood, Pa.
Morgan's Enoch Sons Co. ("Sapolio"), 439H West, New York
National Soap Co., 1910 Franklin, Detroit, **Mich.**
North Coast Soap Co., 6317 17th av, S. Seattle, Wash.
Northwestern Chemical Co. ("Norwesco"), Marietta, O.
Old Oak Soap Co., Inc. ("Old Oak Quality"), 1053 Mission, San Francisco, Cal.
Orono Sales Co., 216 Milk, Boston, Mass.
Phoenix Laboratories ("A-Pache Kleenal"), 702H Polk, San Francisco, Cal.
Puritan Soap Co., 496 Exchange, Rochester, N. Y.
Rexine Co., Sheboygan, Wis.
Riebe Soap & Chemical Works, 801 Roy, Seattle, Wash.
Saponol Chemical Co., 1916 Park av, New York
Stanley John T., 642 W 30th, New York
Tatlock Bros. ("Tats Grip"), Rochester, N. Y.
Utility Co. ("Gresolvent"), 636 W 44th, New York
Van Cleef Bros., 7711 Woodlawn av, Chicago, Ill.
Waltke Wm. & Co., Grand av & 2nd, St. Louis, Mo.
Western Soap Co. ("Western Maid"), N 1402 Ash, Spokane, Wash.
White & Bagley Co., 100 Foster, Worcester, Mass.
Winn Wm. R. ("Clean Easy"), 488 Cherry. New York
Woodtite Laboratories, Modesto, Cal.

13809— Soap (Harness)

Colgate & Co., 105 Hudson, Jersey City, N. J.
Fiebing Chemical Co. ("Fiebing's"), 240 Reed, Milwaukee, Wis.
Hollingshead R. M. Co. (Castile Cream, etc; also Saddle Soap), Camden, N. J.
Miller Frank Co., 349 W 26th, New York
Moore Oil Co. (For Jobbing Trade Only), York & McLean av, Cincinnati, O.
Sinclair Refining Co. ("Four Bros."), Albany, N. Y.
Sonneborn L. Sons ("Amalie"), 114 5th av, New York
Stevens Grease & Oil Co. (For Jobbing Trade Only), E 79th & Avrina av, Cleveland, O.

13810— Soap (Linseed Oil)

American Oil Corp. ("Advance"), Jackson, Mich.
Am. Zinc Products Co., Greencastle, Ind.
Baum's Castorine Co., Rome, N. Y.
Chemical Supply Co., 2450 Canal rd, Cleveland, Ohio
Climax Refining Co. ("Bull Dog"), Williamson bldg, Cleveland.
Great Western Oil Co., 2515 E 37th, Cleveland, Ohio
India Alkali Works ("Shield"), 28 India Wharf, Boston, Mass.
Modoc Co. (Soft Soap), Fernwood, Phila., Pa.
Moore Oil Co. (For Jobbing Trade Only), York & McLean av, Cincinnati, O.
North Coast Soap Co., 6317 17th av, S. Seattle, Wash.
Northwest Chemical & School Supply Co. ("Mephisto"), E 724 Sprague av, Spokane, Wash.
Pioneer Mfg. Co. ("Shino"), 3053H E 87th, Cleveland, O.
Riebe Soap & Chemical Works, 801 B'way, Seattle, Wash.
Rochester Germicide Co., 16 Dowling pl, Rochester, N. Y.
Sherwin-Williams Co. ("Flaxoap"), Cleveland, O.
Sinclair Refining Co., ("U-Au-To"), Albany, N. Y.
Sonneborn L. Sons ("Amalie"), 114 5th av, New York
Western Soap Co. ("Western Maid"), N 1402 Ash, Spokane, Wash.

13811-12— Soap (Liquid)

Amole Soap Co., Tippecanoe City, O.
Antiseptol Liquid Soap Co. ("Antiseptol"), 564 W Randolph, Chicago, Ill.
Autozone Chemical Co., 32 Old slip, New York
Baum Bros. Co., Denver, Colo.
Bobrick Chemical Co. ("Sop-O-Zon"), 111 Garey, Los Angeles, Cal.
Bonyata Chemical Co. ("Del-Luzon" Brand), Grinnell, Ia.
California Exterminating Co. Inc., 373 W 125th, New York
Caphenin Chem. Co., Waverly, Iowa
Carpenter W. D. Co., Syracuse, N. Y.
Chemical Supply Co., 2450 Canal rd, Cleveland, Ohio
Clifton Chemical Co., 246 Front, New York
Climax Refining Co. (Toilet), Williamson bldg., Cleveland, Ohio
Colgate & Co., 105 Hudson, Jersey City, N. J.
Continental Mfg. Co., Van Buren & Draper, Indianapolis, Ind.
Cremoline Disinfecting Co., 121 S Main, St. Louis, Mo.
Easterday Supply Co. ("Blue Cross"), 936 Howard, San Francisco, Cal.
FERGUSSON ALEX. C. JR., 474 Chestnut, Phila., Pa.
See adv index at end of book
Fischer Soap & Oil Co. ("Latheroil"), 2715 Colerain av, Cincinnati, O.
Flash Chemical Co. ("Flash"), 160 2d Cambridge, Mass.
Fort Pitt Chemical Co. ("Fort Pitt"), 3134 Penn av, Pittsburgh, Pa.
Garnet Geo. H. Co., 911 N Lumber, Allentown, Pa.
Hockwald Chemical Co. ("Royal"), 531 Howard, San Francisco, Cal.
Hollingshead R. M. Co. ("Whiz" Toilet), Camden, N. J.
Hoosier Mfg. Co. (Toilet), 1231 Roosevelt rd, Indianapolis, Ind.
Huntington Chemical Co., Huntington, Ind.
Hygenol Co. ("Hygenol"), 2837 Henn, Minneapolis, Minn.
Johnson B. J. Soap Co., 42 4th, Milwaukee, Wis.
Johnson & Johnson, New Brunswick, N. J.
Kline Co. ("Kliko"), 455 Folsom, San Francisco, Cal.
Leinen John F. Chemical Co., 177 Jessie, San Francisco, Cal.
Lewis Samuel ("Beaumont"), 73 Barclay, New York
Michel & Pelton Co., Inc. ("Mapco"), 639 Howard, San Francisco, Cal.
National Oil Products Co., Harrison, N. J.
National Paper Products Co. ("Sop-O-Zon"), 528 Battery, San Francisco, Cal.

SOP-O-ZON LIQUID SOAP
A high grade liquid soap, blended from best refined cocoanut and other vegetable oils. Twelve ounces will give 500 to 600 refreshing washes. Applied from patented Sop-O-zoN dispensers. For all sanitary washrooms.
Public Service Paper Towels
"A clean towel for every pair of hands"
(See Towels)
National Paper Products Company
San Francisco, Stockton, Los Angeles, California
Carthage, N. Y. — New York City

(Continued on following page)

Soap (Liquid)—Continued

North Coast Soap Co., 6317 17th av, S. Seattle, Wash.
Northwest Chemical & School Supply Co. ("Vegetal"), E 724 Sprague av, Spokane, Wash.
Northwestern Chemical Co., Marietta, O.
Ohio Chemical Co., Findlay, Ohio
O'Kleen O Products Co., 712 Madison av, Baltimore, Md.
Old Oak Soap Co., Inc. ("Old Oak Quality"), 1053 Mission, San Francisco, Cal.
Pacific Chemical Co. ("Blanco"), 1421 N Main, Los Angeles, Cal.
Pacific States Chemical Co. ("Nu-Sol"), 200 Green, San Francisco, Cal.
Packer Mfg. Co. ("Packers' Tar), 120 N 32nd, New York
Palmolive Co., 361 N Michigan av, Chicago
Phoenix Oil Co., 2254 W 5th, Cleveland, O.
Pioneer Mfg. Co. ("Shino"), 3053H E 87th, Cleveland, O.
Puritan Soap Co. ("Puritan"), 496 Exchange, Rochester, N. Y.
Rider-Upright Mfg. Co., Inc. ("Ruco"), 936 S Main, Los Angeles, Cal.
Riebe Soap & Chemical Wks, 801 Roy, Seattle, Wash.
Robertson Thos. B. Products Co. ("Triumph"), 700 W Division, Chicago, Ill.
ROCHESTER GERMICIDE CO., 16 Dowling pl, Rochester, N. Y.
Rogers R. R. Chemical Co., 527H Commercial, San Francisco, Cal.
Sanifect Co., 461 8th av, New York
Sanitary Products Corp., 2710 Lefeve, Phila., Pa.
Saponal Chemical Co., 1916 Park av, New York
Schmidt Geo. A. & Co., 236 W North av, Chicago, Ill.
Sibley Soap Co., Franklin, Pa.
Southern Calif. Disinfecting Co., 2521 S Main, Los Angeles, Cal.
Strunz S. & Son, 708 Bingham, Pittsburgh, Pa.
U. S. Chemical Co., Greenville, O.
Vestal Chemical Co. ("Vestal"), 1128 Pine, St. Louis, Mo.
Waldham's Oil Co., Natl. Bank bldg, Milwaukee, Wis.
Walton F. S. Co. ("Victoria"), Orthodox & Del., Phila., Pa.
Waverly Oil Works Co., 54th & A. V. R. R., Pittsburgh, Pa.
Weber C. F. & Co., 601-9 Mission, San Francisco, Cal.

LIQUID SOAPS
AND
LIQUID SOAP DISPENSERS
WEST DISINFECTING COMPANY
Home Office: 411 5th Ave., New York
Branches in Principal cities

West Distributing Co. Inc., 27 Thames, New York
Western Soap Co. ("Western Maid"), Spokane, Wash.

13812a— Soap (Shaving)

Colgate & Co., 105 Hudson, Jersey City, N. J.
Daggetts & Ramsdell,, 214 W 14th, New York
Huntington Chemical Co., Huntington, Ind.
Johnson & Johnson, New Brunswick, N. J.
Larkin Co., 680 Seneca, Buffalo, N. Y.
Mennen Co., 42 Orange, Newark, N. J.
Schafer Geo. H. & Co. ("V-E-L-O"), Fort Madison, Ia.
Schmidt Geo. A. & Co., 236 W North av, Chicago, Ill.
Shavo Co. ("Shavo" Cream), 129 E Weber, Stockton, Cal.
Williams J. B. Co., Glastonbury, Conn.

13812b— Soap (Soft)

Drakenfeld B. F. & Co., Inc., 50 Murray, New York
Glogau & Co., Great Lakes bldg, Chicago, Ill.
Kendall Products Corp., 709 6th av, New York
North Coast Soap Co., 6317 17th av S, Seattle, Wash.
Waverly Oil Works Co., 54th, Pittsburgh, Pa.

13813— Soap (Stock)

American Cotton Oil Co., 239 W 30th, New York
North Coast Soap Co., 6317 17th av S, Seattle, Wash.

13813a— Soap (Textile Mill)

Anchor Color & Gum Wks., Dighton, Mass.
Arabol Mfg. Co., 110 E 42nd, New York
Beach Soap Co., Lawrence, Mass.
Brewer & Co., 35 Arctic, Worcester, Mass.
Fancourt W. F. & Co., Inc., 516 S Del., Phila., Pa.
Miller Mfg. Co., 668 Eddy, Providence, R. I.
National Oil Products Co., Harrison, N. J.
Palmolive Co., 361 N Michigan av, Chicago
Seydel Chemical Co., 86 Front, Jersey City, N. J.

13814—Soap (Vegetable Oil)

Columbia Refining Co. ("Amberzo"), 90 West, New York
Gutradt Jos. Co., 350 Fremont, San Francisco, Cal.
Harral Soap Co. (For Metal Spinners, etc), 136 Havemeyer, Brooklyn, N. Y.
Hoosier Mfg. Co. ("Knoxall"), 1231 Roosevelt, Indianapolis, Ind.
North Coast Soap Co., 6317 17th av S, Seattle, Wash.
Remmers Soap Co., 2261 Spring Grove av, Cincinnati, O.
Riebe Soap & Chemical Works, 801 Roy, Seattle, Wash.
Robertson Theo. B. Products Co., Inc., ("20 Century"), 700 W Division, Chicago, Ill.
Rochester Germicide Co., 16 Dowling pl, Rochester, N. Y.
Wag's Chemical Co. ("Wag's"), 521 S Gay, Knoxville, Tenn.
Western Soap Co. ("Western Maid"), N 1402 Ash, Spokane, Wash.

13815— Soap (Whale Oil)

Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Good James Inc., 2113H E Susquehanna av, Phila., Pa.
Michel & Pelton Co. ("Mapco"), 639 Howard, San Francisco, Cal.
North Coast Soap Co., 6317 17th av S, Seattle, Wash.
Riddle Chemical Co., 35 S Dearborn, Chicago
See adv index at end of book
Royal Chemical Co., Phoenix, R. I.
Swan & Finch Co., 522 5th av, New York

13816—Soapmakers' Supplies

Adams Fred C. Co. (Caustic Soda & Soda Ash), 130 N Wells, Chicago, Ill.
Elbert & Co., 27 William, New York
International Silica Co., Cairo, Ill.
Magnus, Mabee & Reynard (Oils), 357 Pearl, New York
NEW YORK PYRITES CO., INC., 25 Broad, New York
Tweedy Co. (Jobbers, etc.), 456 Montgomery, San Francisco, Cal.

13817— Soapstone

Alberene Stone Co. (Quarries), 153 W 23rd, New York
American Mineral Co., Johnson, Vt.
Atlas Mineral Products Co. (Powdered), Mertztown, Pa.
Blue Ridge Talc Co. (Foundry Facing Pulverized & Slabs), Henry, Va.
Bull Run Talc & Soapstone Co. ("Redoxo"), Clifton Station, Va.
CHRYSTAL CHARLES B. CO., INC., 13 Cliff, New York
See adv index at end of book
Cohutta Talc Co. (Foundry Facings, Crayons, Pencils, etc), Dalton, Ga.
Cooper & Cooper Inc., 23H Cliff, New York
Doggett Stanley (Brick, Foundry Facings, etc), 11 Cliff, New York
Dolge C. B. Co., Westport, Conn.
Hammill & Gillespie, 240 Front, New York
Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
National Sales & Trading Co. (Talc), Cleveland, O.
New England Quartz Co. of N. Y. (Powdered), 150 Nassau, New York
Phoenix Soapstone Co., 71 Murray, New York
Phoenix Stone Co., Inc., 111 B'way, New York
Product Sales Co. (Miners), Equitable bldg, Baltimore, Md.
Troy Bros. & Co., 975 Massachusetts av, Rox, Boston, Mass.
Union Soapstone Co., 14 Marshall, Boston, Mass.
WILLIAMS C. K. & CO., Easton, Pa.
See adv index at end of book

13818— Soapstone for Electrical Work

Alberene Stone Co., 153 W 23rd, New York
Doggett Stanley, 11 Cliff, New York
Phoenix Stone Co., Inc., 111 B'way, New York
Walls, Owen & Stambach Co., 11th & Hamilton, Phila., Pa.

Soapstone for Lubricants

See Soapstone, Powdered or Dust

Soapstone (Ground)

See Soapstone, Powdered or Dust

13819—Soapstone (Powdered or Dust)

American Mineral Co., Johnson, Vt.
American Soapstone Finish Co., Chester Depot, Vt.
Atlas Mineral Products Co., Mertztown, Pa.
Blue Ridge Talc Co. ("Blue Ridge"), Henry, Va.
Doggett Stanley, 11 Cliff, New York
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Phoenix Stone Co., Inc., 111 B'way, New York
Salomon L. A. & Bro. (Powdered), 216 Pearl, New York
Smith Facing & Supply Co., 1857 Carter rd, Cleveland, Ohio

13820—Socket Bushing (Rubber)

Goodrich B. F. Co., Akron, O.
Republic Rubber Co., Youngstown, O.

13821— *Socket Linings

Bryant Electric Co., 1421 State, Bridgeport, Conn.
DELAWARE HARD FIBRE CO. (Fibre), Wilmington, Del. Works: Marshallton, Del. *See adv index at end of book*
Elastoid Fibre Co. ("Elastoid" Insulating), Waltham, Mass.

13822— Sockets (Awning)

Beehler Steel Products Co., 1449 N 13th, St. Louis, Mo.
See adv index at end of book
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Wilcox Crittenden & Co. Inc., 444 S Main, Middletown, Conn.
See adv index at end of book

13823— Sockets (Bow)

Accessories Mfg. Co., 2311 Crawford av, Chicago, Ill.
Am. Forging & Socket Co. (Automobile), Pontiac, Mich.
Ashtabula Bow Socket Co. (for Automobiles & Carriages), Ashtabula, O.
Bonney Forge & Tool Works (Carriage), Tilghman, Allentown, Pa.
Brewer-Titchener Corp. ("B. T. C."), Cortland, N. Y.
Cleveland Hardware Co., Lakeside av & E 45th, Cleveland, O.
Detroit Forging Co., 120 Mt. Elliot av, Detroit, Mich.
Detroit Socket Co., 2744 W Jefferson, Detroit, Mich.
General Drop Forge Co., 1738 Elmwood av, Buffalo, N. Y.
Mossman, Yarnelle & Co. (Wood, for Auto & Carriage), Fort Wayne, Ind.
Owensboro Forging Co. (Steel), Owensboro, Ky.
Scherer H. & Co. (Leather Covered & Steel), 440 E Jefferson av, Detroit, Mich.
Woodruff Walter W. & Sons Co., Mt. Carmel, Conn.

13824— Sockets (Chair)

Derbecker & Rowland Mfg. Co., Waterville, Conn.
Grand Rapids Brass Co., Grand Rapids, Mich.

13825—Sockets (Curtain Pole & Rod)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Bryant Elec. Co., 1421 State, Bridgeport, Conn.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Franklin Mfg. Co. ("Franklin" for autos), 354 Mortimer, Buffalo, N. Y.
Turner & Seymour Mfg. Co., Torrington, Conn.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

13826— Sockets (Die)

CLEVELAND STEEL TOOL CO., 662 E 82nd, Cleveland, O.
See adv index at end of book
Youngstown Sheet & Tube Co., Youngstown, O.

13827— Sockets (Drill)

American Specialty Co. ("Use-Em-Up"), 319 W Ohio, Chicago, Ill.
Ampco Twist Drill & Tool Co., 18th & Howard, Detroit, Mich.
Armstrong Bros. Tool Co. (Blacksmith), 339 N Francisco av, Chicago, Ill.
Billings & Spencer Co. ("B & S"), Hartford, Conn.
Clark Equipment Co. ("Celfor"), Buchanan, Mich.
CLEVELAND TWIST DRILL CO. (Perfect Double Long), 1 E 49th, Cleveland, O.
See adv index at end of book
Collis Co. (Standard Sleeves & Sockets), Clinton, Ia.
Culver-Stearn Mfg. Co., 34 S Bridge, Worcester, Mass.
Detroit Twist Drill Co., 2108 W Fort, Detroit, Mich.
General Elec. Co., Schenectady, N. Y.
See adv index at end of book

Gibson-Hollister Mfg. Co., Springfield, Mass.
Harvard Elec. Co., 523 W Van Buren, Chicago, Ill.
Higginson-Gibson Mfg. Co. (Conn. Sockets), 76 Atherton, Boston, Mass.
Keystone Mfg. Co., Buffalo, N. Y.
Lancaster Machine & Knife Works, Lancaster, N. Y.
Lovejoy Tool Works (& Sleeves "Use-em-up"), 319 W Ohio, Chicago, Ill.
See adv index at end of book
Manhattan Electrical Supply Co., 17 Park pl, New York
Morse Frank W., 293 Congress, Boston, Mass.
Morse Twist Drill & Machine Co., ("Morse"), New Bedford, Mass.
Muncie Malleable Castings Co., Muncie, Ind.
National Twist Drill & Tool Co. ("National," Taper Shank Sockets & Sleeves), Detroit, Mich.
New Process Twist Drill Co., Taunton, Mass.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Scully, Jones & Co., 3609 S. Ashland, Chicago, Ill.
Union Twist Drill Co. (Steel Blank End, Morse Taper & Fitted), Athol, Mass.
WHITMAN & BARNES MFG. CO., Akron, O. *See adv index at end of book*

13827a—Sockets (Electric Cable)

DANIEL EDWARD W., 4501 Lakeside av, Cleveland, O.
See adv index at end of book
Marine Hardware Equipment Co., S. Portland, Me.

SOCKETS (ELECTRIC LAMP)

Note: For manufacturers of various kinds of Electric Lamp Sockets see sub-classifications of this heading following in their regular alphabetical order. See also receptacles.

Miniature Sockets are rated 75 watts maximum.

Medium Sockets are rated 250 watts maximum or 660 watts maximum if keyless or if with switch mechanism making a quick "make" and "break."

Mogul Sockets are rated 1500 watts maximum.

13828—Locking Sockets (Medium & Mogul)

Arrow Electric Co. ("Arrowlock"), Dept. H, Hartford, Conn.
Benjamin Electric Mfg. Co., 120 S Sangamon, Chicago
GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book
Hart & Hegeman Mfg. Co. (Dirs., 342 Capitol av, Hartford, Conn.
Pass & Seymour Inc. ("Shurlock"), Dept. H, Solvay, N. Y.

13829—Medium Electric Lamp Sockets

BRYANT ELECTRIC CO. ("Titan," "Wrinklet"), 1421 State, Bridgeport, Conn.

13829a— Candle

Arrow Electric Co., Dept. H, Hartford, Conn.
Best Electric Corp., 476 B'way, New York
BRYANT ELECTRIC CO., 1421 State, Bridgeport, Conn.
Connecticut Electric Mfg. Co., Dept. H, Bridgeport, Conn.
CUTLER HAMMER MFG. CO. ("C-H" Push), 12th & St. Paul av, Milwaukee, Wis. *See adv index at end of book*
Freeman E. H. Electric Co., Dept. H, Trenton, N. J.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Hart & Hegeman Mfg. Co. (Dirs.), 342 Capital av, Hartford, Conn.
Pass & Seymour, Inc., Dept. H, Solvay, N. Y.
Peerless Light Co. ("E-Z-Wire," Pull & Key & Keyless), 663H W Washington blvd, Chicago, Ill.

13829b—Metal Shell Key & Keyless

Arrow Electric Co. ("Arrow Twenty"), Dept. H, Hartford, Conn.
Benjamin Electric Mfg. Co., 120 S Sangamon, Chicago
BRYANT ELECTRIC CO., 1421 State, Bridgeport, Conn.
Connecticut Electric Mfg. Co., Connecticut av, Bridgeport, Conn.
Cutler Hammer Mfg. Co. ("C-H" Keyless Only), 12th & St. Paul av., Milwaukee, Wis. *See adv index at end of book*
Federal Sign System, 3700H S State, Chicago, Ill.
Freeman E. H. Elec. Co., Dept. H. Trenton, N. J.
GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book
Hart & Hegeman Mfg. Co. (Dirs.), 342 Capital av, Hartford, Conn.
Hubbell Harvey, Inc., Dept. H, Bridgeport, Conn.
Manhattan Electrical Supply Co. (Dirs.), 17 Park pl, New York
Ostrander W. R. & Co., 371H B'way, New York
Paiste H. T. Co., 3201H Arch, Phila., Pa.
Pass & Seymour Inc., Dept. H, Solvay, N. Y.
Waterbury Button Corp., 331 S Main, Waterbury, Conn.
See adv index at end of book
Weber Electric Co. ("Royal," "Universal"), Schenectady, N. Y.
Yost Electric Mfg. Co., Dept. H, Toledo, O.

13829c— Metal Shell Pull

Arrow Electric Co., Dept. H, Hartford, Conn.
Benjamin Electric Mfg. Co., 120 S Sangamon, Chicago
BRYANT ELECTRIC CO., 1421 State, Bridgeport, Conn.
Connecticut Electric Mfg. Co., Dept. H, Bridgeport, Conn.
Freeman E. H. Electric Co., Dept. H, Trenton, N. J.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Hart & Hegeman Mfg. Co. (Dirs.), 342 Capital av, Hartford, Conn.
Hubbell Harvey Inc., Dept. H, Bridgeport, Conn.
McGill Mfg. Co. ("Levolier" 600 volts), 77 Oak, Valparaiso, Ind.
Ostrander W. R. & Co., 371H B'way, New York
Paiste H. T. Co., 3201H Arch, Phila., Pa.
Weber Electric Co. ("Royal," "Universal"), Schenectady, N. Y.

13829d— Metal Shell Push

Arrow Electric Co., Dept. H, Hartford, Conn.
BRYANT ELECTRIC CO., 1421 State, Bridgeport, Conn.
Connecticut Electric Mfg. Co., Dept. H, Bridgeport, Conn.
CUTLER HAMMER MFG. CO. ("C-H"), 12th & St. Paul av, Milwaukee, Wis. *See adv index at end of book*
Hart & Hegeman Mfg. Co. (Dirs.), 342 Capital av, Hartford, Conn.

13829e—Porcelain Shell Key & Keyless

Arrow Electric Co., Dept. H, Hartford, Conn.
Benjamin Electric Mfg. Co., 120 S Sangamon, Chicago
BRYANT ELECTRIC CO., 1421 State, Bridgeport, Conn.
Connecticut Electric Mfg. Co., Dept. H. Bridgeport, Conn.
FEDERAL ELECTRIC COMPANY, 8702 S State, Chicago
See adv index at end of book
Freeman E. H. Electric Co., Dept. H, Trenton, N. J.
GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book
Hart & Hegeman Mfg. Co. (Dirs.), 342 Capital av, Hartford, Conn.
Hubbell Harvey Inc., Dept. H, Bridgeport, Conn.
Pass & Seymour Inc., Dept. H, Solvay, N. Y.
Square D Co., 6060H Ribard, Detroit, Mich.
Weber Electric Co., Schenectady, N. Y.

13829f—Porcelain Shell Pull

Arrow Electric Co., Dept. H, Hartford, Conn.
CUTLER HAMMER MFG. CO. ("C-H"), 12th & St. Paul av, Milwaukee, Wis. *See adv index at end of book*
Hart & Hegeman Mfg. Co. (Dirs.), 342 Capital av, Hartford, Conn.
Pass & Seymour Inc., Dept. H, Solvay, N. Y.
Weber Electric Co., Schenectady, N. Y.

13829g—Porcelain Shell, Push

BRYANT ELECTRIC CO., 1421 State, Bridgeport, Conn.
Connecticut Electric Mfg. Co., Dept. H, Bridgeport, Conn.
Cutler Hammer Mfg. Co., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*

13829h—Weatherproof - Composition Keyless

Benjamin Electric Mfg. Co., 120 S Sangamon, Chicago
BRYANT ELECTRIC CO., 1421 State, Bridgeport, Conn.
Cole Henry & Co., 54H Old Colony av, Boston, Mass.
Connecticut Electric Mfg. Co., Dept. H, Bridgeport, Conn.
General Electric Co., Schenectady, N. Y.
See adv index at end of book
Hart & Hegeman Mfg. Co. (Dirs.), 342 Capital av, Hartford, Conn.
Johns-Pratt Co., Dept. H, Hartford, Conn.
Lucey Mfg. Corp. (Jobbers), 233 B'way, New York
Paiste H. T. Co., 3201H Arch, Phila., Pa.
Pass & Seymour Inc., Dept. H, Solvay, N. Y.
Paulding John I. Inc., Dept. H, New Bedford, Mass.
Trenton Electric & Conduit Co., Dept. H, Trenton, N. J.
Waterbury Button Corp., 331 S Main, Waterbury, Conn.
See adv index at end of book

13829i—Weatherproof Metal Shell Keyless

Benjamin Electric Mfg. Co., 120 S Sangamon, Chicago
BRYANT ELECTRIC CO. (Aluminum), 1421 State, Bridgeport, Conn.
FEDERAL ELECTRIC COMPANY, 8702 S State, Chicago
See adv index at end of book
Freeman E. H. Electric Co., Dept. H, Trenton, N. J.
General Electric Co., Schenectady, N. Y.
See adv index at end of book
Pass & Seymour Inc., Dept. H, Solvay, N. Y.

13830—Weatherproof Porcelain Keyless

Arrow Electric Co., Dept. H, Hartford, Conn.
BRYANT ELECTRIC CO., 1421 State, Bridgeport, Conn.
Cole Henry & Co., 54H Old Colony av, Boston, Mass.
Connecticut Electric Mfg. Co., Dept. H, Bridgeport, Conn.
Crouse & Hinds Co., Dept. H, Syracuse, N. Y.
Electric Appliance Co., 701H W Jackson blvd, Chicago, Ill.
FEDERAL ELECTRIC COMPANY, 8702 S State, Chicago
See adv index at end of book
Freeman E. H. Electric Co., Dept. H, Trenton, N. J.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Hart & Hegeman Mfg. Co. (Dirs.), 342 Capital av, Hartford, Conn.
Newgard Henry & Co., 947H Washington blvd, Chicago, Ill.
Paiste H. T. & Co., 3201H Arch, Phila., Pa.
Pass & Seymour Inc., Dept. H, Solvay, N. Y.
Paulding John I. Inc., Dept. H, New Bedford, Mass.
Stanley & Patterson Inc., 23H Murray, New York
Trenton Electric & Conduit Co., Dept. H, Trenton, N. J.

MINIATURE ELECTRIC LAMP SOCKETS

13830a—Ediswan or Bayonet (Key, Keyless, Pull)

BRYANT ELECTRIC CO. (Key, Keyless, Pull), 1421 State, Bridgeport, Conn.
MORSE FRANK W., 289 Congress, Boston, Mass. *See adv index at end of book*

13830b— Metal Shell Key

Bryant Electric Co., 1421 State, Bridgeport, Conn.
GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book
Hart & Hegeman Mfg. Co. (Dirs.), 342 Capital av, Hartford, Conn.

13830c—Metal Shell Keyless

Arrow Electric Co., Dept. H, Hartford, Conn.
Bryant Electric Co., 1421 State, Bridgeport, Conn.
GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book
Hart & Hegeman Mfg. Co. (Dirs.), 342 Capital av, Hartford, Conn.
Hubbell Harvey Inc., Dept. H, Bridgeport, Conn.
MORSE FRANK W., 289 Congress, Boston, Mass. *See adv index at end of book*

13830d— Metal Shell Pull

Bryant Electric Co., 1421 State, Bridgeport, Conn.

13830e—Porcelain Shell Keyless

Arrow Electric Co., Dept. H, Hartford, Conn.
Bryant Electric Co., 1421 State, Bridgeport, Conn.
General Electric Co., Schenectady, N. Y.
See adv index at end of book

(Continued on following page)

Porcelain Shell (Keyless)—Continued

Hart & Hegeman Mfg. Co. (Dirs.), 342 Capital av, Hartford, Conn.
Hubbell Harvey Inc., Dept. H, Bridgeport, Conn.
Pass & Seymour Inc., Dept. H, Solvay, N. Y.
Weber Electric Co. (Candle), Schenectady, N. Y.

13831—Mogul Electric Lamp Sockets

BRYANT ELECTRIC CO., 1421 State, Bridgeport, Conn.
GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book

13831a—Metal Shell Keyless

Arrow Electric Co., Dept. H, Hartford, Conn.
Benjamin Electric Mfg. Co., 120 S Sangamon, Chicago
Bryant Electric Co., 1421 State, Bridgeport, Conn.
Connecticut Electric Mfg. Co., Dept. H, Bridgeport, Conn.
Freeman E. H. Electric Co., Dept. H, Trenton, N. J.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Hart & Hegeman Mfg. Co. (Dirs.), 342 Capital av, Hartford, Conn.
Harter Mfg. Co., 522 S Clinton, Chicago, Ill.
Hubbell Harvey Inc., Dept. H, Bridgeport, Conn.
Pass & Seymour Inc., Dept. H, Solvay, N. Y.
Weber Electric Co., Schenectady, N. Y.

13831b—Porcelain Shell Keyless

Arrow Electric Co., Dept. H, Hartford, Conn.
Benjamin Electric Mfg. Co., 120 S Sangamon, Chicago
Bryant Electric Co., 1421 State, Bridgeport, Conn.
Connecticut Electric Mfg. Co., Dept. H, Bridgeport, Conn.
Freeman E. H. Electric Co., Dept. H, Trenton, N. J.
GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book
Hart & Hegeman Mfg. Co. (Dirs.), 342 Capital av, Hartford, Conn.
Pass & Seymour Inc., Dept. H, Solvay, N. Y.
Peru Electric Co., Dept. H, Peru, Ind.
Union Electric Co., Dept. H, Trenton, N. J.
Weber Electric Co., Schenectady, N. Y.

13831c — Weatherproof Porcelain Shell Keyless

Arrow Electric Co., Dept. H, Hartford, Conn.
BRYANT ELECTRIC CO., 1421 State, Bridgeport, Conn.
Freeman E. H. Electric Co., Dept. H, Trenton, N. J.
GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book
Weber Electric Co., Schenectady, N. Y.

13832 — Regulating Electric Lamp Sockets

Anylite Electric Co., Dept. H, Ft. Wayne, Ind.
Tremont Products Co., 216H High, Boston, Mass.
Wirt Co. ("Dim-a-lite"), Germantown, Phila., Pa.

13833—Special Electric Lamp Sockets

Arrow Electric Co., Dept. H, Hartford, Conn.
Benjamin Electric Mfg. Co. ("Benco"), 120 S Sangamon, Chicago
Chicago Electric Mfg. Co. (Automobile), 2817 S Halsted, Chicago, Ill.
Hart & Hegeman Mfg. Co. (Dirs.), 342 Capital av, Hartford, Conn.
Hubbell Harvey, Inc., Dept. H, Bridgeport, Conn.

End of Sockets (Electric Lamp)

13834— Sockets (Flag Pole)

Durkee Chas. D. & Co., 2 South, New York
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Marine Hardware Co., Peabody, Mass.
Nicol & Co., 318 N. Jefferson, Chicago, Ill.
Wilcox Crittenden & Co., Inc., 444 S Main, Middletown, Conn.
See adv index at end of book

13835—Sockets (Furniture Leg)

Walstad Machine Co. (Table Leg), 1005 East D., Tacoma, Wash.
Weber-Knapp Co. (Brass), Jamestown, N.Y.

13836-7— Sockets (Ladder)

Arcade Mfg. Co. (Iron), Freeport, Ill.
Benjamin Electric Mfg. Co., 120 S Sangamon, Chicago

13838-9— Sockets (Lathe)

Am. Hollow Boring Co. (Lathe Only), Erie, Pa.
Collis Co., Clinton, Ia.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
Union Twist Drill Co., Athol, Mass.

13840— Sockets (Peavey)

American Logging Tool Co., Evart, Mich.

13841—Sockets (Pump Rod)

Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Johnson E. E. ("Demon Grip" Couplings), St. Paul, Minn.
Keystone Driller Co., Beaver Falls, Pa.
See adv index at end of book

13842 — Sockets (Radio Vacuum Tube)

Acme Apparatus Co., 185 Mass. av, Cambridge, Mass.
Adams Morgan Co. ("Paragon"), Upper Montclair, N. J.
Air Way Elec. Appliance Corp., 618 B'way, Toledo, O.
American Radio & Research Corp., 203 College av, Medford Hillside, Mass.
Andrae Frank A. D. ("Fada"), 1581 Jerome, New York
Atwater Kent Mfg. Co., 4937 Stenton av, Phila., Pa.
Auth Electrical Specialty Co., 422 E 53d, New York
Barnes The Wallace Co., Bristol, Conn.
See adv index at end of book
Bissell F. Co., 812 Lafayette, Toledo, O.
Bliss R. W. Atlantic, Mass.
Bronx Radio Equipment Co., 687 Courtland av, New York
Cardwell Allen D. Mfg. Co., 81 Prospect, New York
Clapp-Eastham Co., 139 Cambridge, Mass.
Colburn Gear & Mfg. Co., 1 Woodworth, Dorchester, Boston, 22 Mass.
Conn. Tel. & Elec. Co. ("Connecticut"), Meriden, Conn.
Crosley Mfg. Co. ("Crosley"), Cincinnati, Ohio
Cutler-Hammer Mfg. Co., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
De Forest Radio Tel. & Telg. Co., 1415 Franklin, Jersey City, N. J.
Duck Wm. B. Co., 224 Superior, Toledo, O.
Elec. Machine Co., Pratt & Meriden, Indianapolis, Ind.
Firth John & Co. ("Firco"), 1 Pershing square, New York
Freed-Eisemann Radio Corp. ("F-E"), Sperry bldg, Brooklyn, N. Y.
General Radio Co., Mass. av & Windsor, Cambridge, Mass.
Gilbert A. C. Co. ("A. C. Gilbert"), New Haven, Conn.
Grebe A. H. & Co., Inc., 70 Van Wyck blvd, Jamaica, N. Y.
Heslar Radio Corp., 1140 S Division, Indianapolis, Ind.
Horne Mfg. Co. ("Horne"), 243 Mercer, Jersey City, N. J.
Jefferson Elec. Mfg. Co., 430 S Green, Chicago, Ill.
Joy & Kelsey ("J-K"), 4021 W Kinzie, Chicago, Ill.
Keystone Radio Co. ("Keystone"), Greenville, Pa.
Kilbourne & Clark Mfg. Co. ("K-C"), 101 Spokane, Seattle, Wash.
King Amplitone, 80 Church, New York
Magnus Electric Co., Inc. ("Magnus"), 451 Greenwich, New York
Marshall Gerken Co. ("Thoroughbred"), 127 Ontario, Toledo, O.
Murdock Wm. J. Co. ("Murdock"), Everett av & Carter, Chelsea, Mass.
National Radio Co., Marshall, Minn.
Parkin Mfg. Co., San Rafael, Cal.
Radio Corp. of Am., 233 B'way, New York
Radio & Scientific Apparatus Co. ("Rasac Clertone"), 606 Mission, San Francisco, Cal.
Remler Radio Mfg. Co., 248 1st, San Francisco, Cal.
Rhamstine J. Thos. ("Rhamstine"), 2152 E Larned, Detroit, Mich.
Scheib Elec. Radio Co. ("Serco"), 6243 Station, Pittsburgh, Pa.
Scovill Mfg. Co. (Parts), Waterbury, Conn.
See adv index at end of book
Seiss Mfg. Co., Phillips av & N. Y. C. R. R. Toledo, O.
Ship Owners Radio Service ("Dirs."), 80 Washington, New York
Signal Elec. Mfg. Co. ("Signal"), Menominee, Mich.
Somerville Radio Laboratory, 102 Heath, Somerville, Mass.
Turney Eugene T. Laboratories ("Turney"), 351 6th, Newark, N. J.
Union Construction Co., Balfour bldg, San Francisco, Cal.
WATERBURY BUTTON CORP., 831 S Main, Waterbury, Conn.
See adv index at end of book
Wilcox Laboratories ("Wilcox"), 2203 E Mich. av, Lansing, Mich.
Wireless Improvement Co., 66 York, Jersey City, N. J.
Wireless Shop, 1262 W 2d, Los Angeles, Cal.
Wireless Specialty Apparatus Co., 131 State, Boston, Mass.
Wisconsin Radio Corp., Madison, Wis.

13843-4—Sockets (Sucker Rod)

Bradford Supply Co., Bradford, Pa.
Masseth Packer & Machine Co. ("M. & P."), Butler, Pa.
Regan Forge & Engineering Co., San Pedro, Cal.
Union Tool Co., H, Union Oil bldg, Torrance, Cal.

13845— Sockets (Whip)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Eberhard Mfg. Co., C. & P. Ry. & Tennyson rd, Cleveland, O.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Fernald Mfg. Co., North East, Pa.
Racine Malleable & Wrought Iron Co., Racine, Wis.
Scott E. W. Co., Danielson, Conn.
Searls Mfg. Co., 29 Mulberry, Newark, N. J.

13845a—Sockets (Wire Rope)

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Broderick & Bascom Rope Co. (Jobbers), 805 N Main, St. Louis, Mo.
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Chicago Steel Foundry Co. ("Chicago," Crucible Cast Steel), 3701 S Kedzie av, Chicago, Ill.
DANIEL EDWARD W., 4501 Lakeside av, Cleveland, O.
See adv index at end of book
Fischer & Hayes Rope & Steel Co., 816 W Erie, Chicago, Ill.
See adv index at end of book
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
Marine Hardware-Equipment Co. ("Acme" & "Mheco" Drop Forged), So Portland, Me.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Regan Forge & Engineering Co., San Pedro, Cal.
Terry & Tench Co., Grand Central Terminal, New York
Wilcox Crittenden & Co. Inc., 444 S Main, Middletown, Conn.
See adv index at end of book

WIRE ROPE SOCKETS

Weldless Drop Forge Wire Rope Sockets for ¼ to 2¼ inch diameter Rope; also furnished in Closed Style with Loose Hook, and in Open Style with Loose Swivel Hook and Double Swivel Hook for ¼ to 1½ inch diameter of Rope.

WILCOX, CRITTENDEN & CO., Inc.
444 So. Main St., Middletown, C on

Williams J. H. & Co. ("Vulcan" Drop Forged), 400 Vulcan, Buffalo, N. Y.

13846— Sockets (Wood)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

13847—Socks (Lumbermen's)

Adler Underwear & Hosiery Mfg. Co., Harrison & Queen City avs, Cincinnati, O.
Alpena Woolen Mills, Alpena, Mich.
Bornemann Ed., St. Peter, Minn.
Chicago Hosiery Co., 1907 Michigan av, Detroit, Mich.
Clare Knitting Mills, Saginaw, Mich.
Consolidated Knitting & Spinning Mills, Reading, Pa.
Cook Jonas M., Somerset, Pa.
Cooper, Wells & Co., St. Joseph, Mich.
Fead John L. & Sons, Port Huron, Mich.
Forest City Woolen Mills Co., Cleveland, O.
Fox River Valley Knitting Co., Appleton, Wis.
Frankenmuth Woolen Mill Co., Frankenmuth, Mich.
Gloversville Knitting Co., Gloversville, N. Y.
Hand Knit Hosiery Co., Sheboygan, Wis.
Hollywood Mfg. Co., Hollywood, W Va.
Inland Knitting Works, Green Bay, Wis.
La Crosse Knitting Co., La Crosse, Wis.
Mishawaka Woolen Mfg. Co., Mishawaka, Ind.
National Knitting Co., 905 Clinton, Milwaukee, Wis.
New Albany Hosiery Mills, New Albany, Ind.
Portage Hosiery Co., Portage, Wis.
Rich John & Bros., Woolrich, Pa.
Ripon Knitting Works, Ripon, Wis.
Soo Woolen Mills, Sault Ste Marie, Mich.
Wood H. H. & Co., Lakeport, N. H.

13848-9-50— Soda Ash

Adams Fred C. Co., 130 N Wells, Chicago, Ill.
American Chemical Co., 708 Gwynne bldg, Cincinnati, O.
Braun-Knecht-Heimann Co., 576 Mission, San Francisco, Cal.
Breslauer A. (Industrial Chemicals), American Nat'l Bank bldg, San Francisco, Cal.
California Alkali Co. ("Triangle"), 58 Sutter, San Francisco, Cal.
Clark Fred G. Co. (For Wholesale Trade Only), 1081 W 11th, Cleveland, O.
Cooper & Cooper Inc., 23H Cliff, New York
Diamond Alkali Co., 1st Nat'l Bank bldg, Pittsburgh, Pa.
FERGUSSON ALEX. C. JR., 474 Chestnut, Phila., Pa.
See adv index at end of book
Hacke M. C. (Mer.), 144 California, San Francisco, Cal.
Harshaw, Fuller & Goodwin, Elec. bldg, Cleveland, O.
Horstmann John Co., 685 Bryant, San Francisco, Cal.
Innis Speiden & Co., Inc., 46 Cliff, New York
Inyo Chemical Co., Santa Fe bldg, San Francisco, Cal.
Maillard & Schmiedell (Mfrs. Agts.), 203 California, San Francisco, Cal.
Marsden-Sewell Corp. (Dirs.), 56 Pine, New York
MATHIESON ALKALI WORKS, INC. ("Eagle" & "Thistle" Brand), 25 W 43rd, New York
See adv index at end of book
Mechling Bros. Mfg. Co., Camden, N. J.
Michigan Alkali Co., Wyandotte, Mich.
Michigan Electrochemical Co., Menominee, Mich.
Morton Salt Co., 80 E Jackson blvd, Chicago, Ill.
National Electrolytic Co. Inc. ("Niagara"), Niagara Falls, N. Y.
Penna. Salt Mfg. Co., Widener bldg, Phila., Pa.
Riker J. L. & D. S. (Imp.), 19 Cedar, New York
Sergeant E. M. Co., 131 Cedar, New York
Solvay Process Co., Syracuse, N. Y.
Vera Chemical Co., No. Milwaukee, Wis. Stoneham, Mass., Burlington, Ont., Canada
Welch, Holme & Clark Co., 383 West, New York
WIARDA JOHN C. & CO., 83 Provost, Brooklyn, N. Y.
See adv index at end of book
Wing & Evans (Selling Agents), 40 Rector, New York
Wolf Jacques & Co. (Selling Agents), Passaic, N. J.

13851-2-3—Soda Recovery Plants

International Process Co. ("Carlson"), 42 Broadway, New York

13854— Sodium Acetate

Anderson Chemical Co., Wallington, N. J.
Cleveland-Cliffs Iron Co., Kirby bldg, Cleveland, O.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
General Chemical Co., 40 Rector, New York
Grasselli Chem. Co. (Brown & White), Guardian bldg, Cleveland, Ohio
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Herrick & Voight, 99 John, New York
Mallinckrodt Chemical Works (Acetate of Soda), 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merrimac Chemical Co., 148 State, Boston, Mass.
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

13854a— Sodium Arsenate

Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Shaw John & Co., 15 Elkins South, Boston, Mass.
U. S. Smelting Refining & Mining Co. (Weed Killer"), Midvale, Utah

13854a1— Sodium Benzoate

See also Benzoate of Soda

RIDDLE CHEMICAL CO., 35 S Dearborn, Chicago
See adv index at end of book

13854b—Sodium Bicarbonate

See also Bicarbonate of Soda

Barker Bros., Inc. (U. S. P.), 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Maillard & Schmiedell (Mfrs. Agts.), 203 California, San Francisco, Cal.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
MATHIESON ALKALI WORKS, INC., 25 W 43rd, New York
See adv index at end of book
Morehouse Mfg. Co., Savanah, Ga.
Provident Chemical Wks., 8011 Idaho av, St. Louis, Mo.
Riddle Chemical Co. (Powdered), 35 S Dearborn, Chicago
See adv index at end of book
Sergeant E. M. Co., 131 Cedar, New York
Solvay Process Co. (Solvay), Syracuse, N. Y.
Victor Chemical Works, Dept. H, Fisher bldg, Chicago, Ill.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

13854c— Sodium Bichromate

Adams Fred C. Co., 130 N Wells, Chicago, Ill.
Cooper & Cooper Inc., 23H Cliff, New York
Fergusson Alex C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Herrick & Voight, 1 Liberty, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Mutual Chemical Co. of America, 111 William, New York
National Electrolytic Co. Inc ("Niagara"), Niagara Falls, N. Y.
Natural Products Refining Co. ("Naproco"), 902 Garfield av, Jersey City, N. J.
Riddle Chemical Co. (Tech. Cry.), 35 S Dearborn, Chicago
See adv index at end of book
Sergeant E. M. Co., 131 Cedar, New York
Vitro Manfg. Co., H Bessemer bldg, Pittsburgh, Pa.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

13854d—Sodium Bi-Fluoride

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

13854e— Sodium Bismuthate

Cooper & Cooper Inc., 23H Cliff, New York

13854f— Sodium Bisulphate

Butterworth-Judson Corp., 30 Church, New York
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Kuttroff Pickhard & Co., Inc. (Selling Agents), 128 Duane, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Wolf Jacques & Co., Passaic, N. J.

13854g— Sodium Bisulphite

Avery Chemical Co., 88 Broad, Boston, Mass.
Butterworth-Judson Corp., 30 Church, New York
Cooper Chas. & Co., 194H Worth, New York
Cooper & Cooper Inc., 23H Cliff, New York
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
General Chemical Co., 40 Rector, New York
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Mechling Bros. Mfg. Co., Camden, N. J.
Merrimac Chemical Co., 148 State, Boston, Mass.
RARE METAL PRODUCTS CO., Cortlandt, Belleville, N. J.
Riverside Mfg. Co., 4528 S Broadway, St. Louis, Mo.
Sergeant E. M. Co., 131 Cedar, New York
WIARDA JOHN C. & CO., 83 Provost, Brooklyn, N. Y.
See adv index at end of book
Williamson D. D. & Co., 85H Fulton, New York

13855— Sodium Bromide

C. P. Chemical & Drug Co. Inc., 114-118 Liberty, New York
Dissosway Chemical Co. Inc. (U. S. P.), 55-63 Eckford, Brooklyn, N. Y.
Dow Chemical Co. (Granular), Midland, Mich.
Greeff R. W., 78 Front, New York
Halogen Chemical Co., Bay City, Mich.
Mallinckrodt Chem. Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park pl., New York
New York Quinine & Chemical Works, 135 William, New York
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Riddle Chemical Co. (Granular), 35 S Dearborn, Chicago
See adv index at end of book

13855a—Sodium Carbonate

See also Sal Soda

Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Mathieson Alkali Works, Inc., 25 W. 43rd, New York
See adv index at end of book
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Riddle Chemical Co. (Tech.), 35 S Dearborn, Chicago
See adv index at end of book
Vitro Manfg. Co. (Soda Ash), H Bessemer bldg, Pittsburgh, Pa.

13855b— Sodium Chlorate

Fergusson Alex C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Jackson John J. Co., 158 Astor, Newark, N. J.
North American Chemical Co., Bay City, Mich.
Riddle Chemical Co. (Crystal), 35 S Dearborn, Chicago
See adv index at end of book
Riker J. L. & D. S., 19 Cedar, New York
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book
Sergeant E. M. Co., 131 Cedar, New York
Thomsen Chemical Co., Race & Winder, Baltimore, Md.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

13855c— Sodium (Chromate)

Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Mutual Chemical Co. of America, 111 William, New York

13855d— Sodium Cyanide

Barker Bros. Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Philipp Bros., Inc., 233 B'way, New York
Riddle Chemical Co., 35 S Dearborn, Chicago
See adv index at end of book
ROESSLER & HASSLACHER CHEMICAL CO., 709H 6th av, New York
See adv index at end of book
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

13855e—Sodium (Ferrocyanide)

Bower Henry Chemical Co., Gray's Ferry rd & 29th, Phila., Pa.
Ciba Co., Inc., Inc., 134 Cedar, New York
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Innis, Speiden & Co., Inc., 46 Cliff, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Mathieson Alkali Works, Inc., 25 W 43rd, New York
Penman Littlehales Chemical Co., Syracuse, N. Y.
See adv index at end of book
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book
Semet-Solvay Co., Syracuse, N. Y.

13855f— Sodium Fluoride

Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
General Chemical Co., 40 Rector, New York
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
HARSHAW, FULLER & GOODWIN CO., 545 Hanna bldg, Cleveland, O.
See adv index at end of book

(Continued on following page)

Sodium Fluoride—Continued

Herrick & Voight, 99 John, New York
Highfield, John W., 248 N 10th, Brooklyn, N. Y.
Klipstein A. & Co., 644 Greenwich, New York
Mailliard & Schmiedell (Mfrs. Agts.), 203 California, San Francisco, Cal.
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Riddle Chemical Co. (Powdered 92%), 35 S Dearborn, Chicago
See adv index at end of book
Roessler & Hasslacher Chem. Co., 709 6th av, New York
See adv index at end of book
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

JOHN C. WIARDA & CO.
83 Provost St., Brooklyn, N. Y.
MANUFACTURING CHEMISTS

13855f1— Sodium Formate

Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Greeff R. W. & Co. Inc., 78 Front, New York
Herrick & Voigt, 1 Liberty, New York
Klipstein A. & Co., 644 Greenwich, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Victor Chemical Co., Fisher bldg, Chicago, Ill.
Wolf Jacques & Co., Passaic, N. J.

13855g—Sodium (Hypochlorite)

Sterling Products Co., Easton, Pa.
Warner Chemical Co., 52 Vanderbilt, New York

13855h—Sodium Hyposulphite

Barker Bros., Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
Chicago Copper & Chemical Co., 111 W Jackson blvd, Chicago, Ill.
Cooper, Charles & Co., 194 Worth, New York
General Chemical Co., 40 Rector, New York
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Hunnell & Co., 136 Liberty, New York
Lennig Chas. & Co., 40 No Front, Phila., Pa.
Maas A. R. Chemical Co., 308 E 8th, Los Angeles, Cal.
Mechling Bros. Mfg. Co., Camden, N. J.
Merck & Co., 45 Park pl, New York
National Magnesia Mfg. Co., 544 Market, San Francisco, Cal.
Riddle Chemical Co. (Crystals & Pea Crystals), 35 S Dearborn, Chicago
See adv index at end of book
Sergeant E. M. Co., 131 Cedar, New York
Thomsen Chemical Co., Munsey bldg, Baltimore, Md.
Wolf Jacques & Co., Passaic, N. J.
Wood & Durham Mfg. Co., 2001 Slauson av, Los Angeles, Cal.

13855h1—*Sodium Metanilate

DU PONT E. I. DE NEMOURS & CO., INC., Dyestuffs Dept., Wilmington, Del.
See adv index at end of book

13855h2—*Sodium Naphthionate

DU PONT E. I. DE NEMOURS & CO., INC., Dyestuffs Dept., Wilmington, Del.
See adv index at end of book
National Aniline & Chemical Co., Inc., 40 Rector, New York

13855i— Sodium Nitrate

See also Nitrate of Soda

Fergusson Alex C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Sergeant E. M. Co., 131 Cedar, New York
Stauffer Chemical Co. ("Rex"), 624 California, San Francisco, Cal.
Vitro Manfg. Co. (Chili Saltpetre), H Bessemer bldg, Pittsburgh, Pa.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

13855j— Sodium Nitrite

Fergusson Alex C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Hunnell & Co., 136 Liberty, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Semet-Solvay Co., Syracuse, N. Y.
Sergeant E. M. Co., 131 Cedar, New York

13856— Sodium Perborate

Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Riverside Mfg. Co., 4528 S Broadway, St. Louis, Mo.

13856a—Sodium (Permanganate)

Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Wood J. Early Inc., 246H Water, New York

13856b— Sodium Peroxide

Cooper & Cooper Inc., 23H Cliff, New York
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Niagara Electro Chemical Co., Niagara Falls, N. Y.
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book

13856c— Sodium Picramate

Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

13857— Sodium Phosphate

Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
General Chemical Co., 40 Rector, New York
Grassilli Chemical Co., Guardian bldg, Cleveland, O.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park pl, New York
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Riddle Chemical Co. (Gran., U. S. P.), 35 S Dearborn, Chicago
See adv index at end of book
Thomsen Chemical Co., Race & Winder, Baltimore, Md.
Victor Chemical Works (Mono-Di-Tri & Pyro), Dept. H, Fisher bldg, Chicago, Ill.
Warner Chemical Co., 52 Vanderbilt av, New York
Wiarda John C. & Co. (Tri Sodium), 83 Provost, Brooklyn, N. Y.
See adv index at end of book

13857a— Sodium Picramate

Aniline Dyes & Chemicals, Inc., 134 Cedar, New York
DU PONT E. I. DE NEMOURS & CO., INC., Dyestuffs Dept., Wilmington, Del.
See adv index at end of book
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Greeff R. W. & Co., 80 Maiden Lane, New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
Merck & Co., 45 Park pl, New York
Monsanto Chemical Wks., 1800 S 2nd, St. Louis, Mo.
Organic Salt & Acid Co., Vernon & Nott avs, Long Island City, N. Y.
Semet-Solvay Co., Syracuse, N. Y.

13857b—Sodium (Salicylate)

Ciba Co. Inc., 134 Cedar, New York
Dow Chemical Co., Midland, Mich.
Du Pont E. I. de Nemours & Co. Inc., Dyestuffs Sales Dept., Wilmington, Del.
See adv index at end of book
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Heyden Chemical Works, Garfield, N. J.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Pfizer Chas. & Co., 81 Maiden la, New York
Riddle Chemical Co. (U. S. P. Powdered), 35 S Dearborn, Chicago
See adv index at end of book

13857c— Sodium (Selenite)

Am. Smelting & Refining Co., 120 B'way, New York
Drakenfeld B. F. & Co., 50 Murray, New York
United States Smelting, Refining & Mining Co., 120 B'way, New York

13858— Sodium Salts

Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
McKesson & Robbins, 91 Fulton, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Mechling Bros. Mfg. Co. (Sulphide of), Camden, N. J.
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book

13858a— Sodium Silicate

Butterworth-Judson Corp., 61 B'way, New York
Central Commercial Co., 111 N Market, Chicago, Ill.
Cooper & Cooper Inc., 23H Cliff, New York
Crystal Chemical Corp ("Crystal"), Summitville, Ind.
Emeryville Chemical Co., 1269 66th, Emeryville, Cal.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
General Chemical Co., 40 Rector, New York
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
H. & K. Specialty Co., Dept. H, Lynbrook, N. Y.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Kalbfleisch Corp., 200 5th av, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park pl, New York
Mechling Bros. Mfg. Co., Camden, N. J.
Pacific Silicate Co., Balfour bldg, San Francisco, Cal.
Philadelphia Quartz Co., 121 S 3d, Phila., Pa.
Philadelphia Quartz Company of California, 6th & Grayson, Berkeley, Cal.
Riddle Chemical Co., 35 S Dearborn, Chicago
See adv index at end of book
St. Louis Chemical Wks. Co., 3025 S B'way, St. Louis, Mo.
Sergeant E. M. Co., 131 Cedar, New York
Standard Silicate Co., 4710 Paddock rd, Cincinnati, O.
Thomsen Chemical Co., Race & Winder, Baltimore, Md.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

13858b—Sodium Silico-Fluoride

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Sundheimer Hy, 103 Park av, New York
Vitro Manfg. Co., H Bessemer bldg, New York
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

13858c— Sodium Sulphate

See also Salts, Glaubers'

Barker Bros., Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
Baugh & Sons Co., 20 S Delaware av, Phila., Pa.
Contact Process Co., Abbott rd & Lee, Buffalo, N. Y.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
General Chemical Co. (Also Calcined Sulphate & Concentrator), 40 Rector, New York
Grasselli Chemical Co. (Anhydrous), Guardian bldg, Cleveland, O.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Inyo Chemical Co., Santa Fe bldg, San Francisco, Cal.
Jarecki Chemical Co., Sandusky, O.
Kalbfleisch Corp., 200 5th av, New York
Klipstein A. & Co., 644 Greenwich, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merrimac Chemical Co., 148 State, Boston, Mass.
National Magnesia Mfg. Co., 544 Market, San Francisco, Cal.
Pacific Distributing Co., 85 2nd, San Francisco, Cal.
Pacific Silicate Co., Balfour bldg, San Francisco, Cal.
Pennsylvania Salt Mfg. Co. (Glass Making Salt Cake), Widener bldg, Phila., Pa.
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Reynolds Morgan Co. Inc., 1604 L. C. Smith bldg, Seattle, Wash.
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book
Sergeant E. M. Co., 131 Cedar, New York
Stauffer Chemical Co., 624 California, San Francisco, Cal.
Thomsen Chemical Co., Race & Winder, Baltimore, Md.
Victor Chemical Works (Also Aluminum), Dept. H, Fisher bldg, Chicago, Ill.
Wiarda John C. & Co. (Anhydrous), 83 Provost, Brooklyn, N. Y.
See adv index at end of book

13859— Sodium (Sulphide)

Durex Chemical Corp., 320 5th av, New York
FERGUSSON ALEX. C. JR., 474 Chestnut, Phila., Pa. *See adv index at end of book*
General Chemical Co., 40 Rector, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Lennig Chas. & Co. (Crystals & Double Strength), 40 N. Front, Phila., Pa.
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Mechling Bros. Mfg. Co., Camden, N. J.
Merrimac Chemical Co., 148 State, Boston, Mass.
NEW JERSEY ZINC SALES COMPANY, THE (Crystals, Broken, Solid), 158 Front, New York
See adv index at end of book
Roessler & Hasslacher Chemical Co., 709 (Crystals & Fused), 709 6th av, New York
Rollin Chemical Corp., 350 Madison av, New York
Semet-Solvay Co., Syracuse, N. Y.
Sergeant E. M. Co., 131 Cedar, New York
Thomsen Chemical Co., Race & Winder, Baltimore, Md.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*
Wolf Jacques & Co. (Selling Agents), Passaic, N. J.

13860— Sodium Sulphite

Butterworth-Judson Corp., 61 B'way, New York
Cooper Chas. & Co., 194H Worth, New York
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
General Chemical Co., 25 Broad, New York
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Maas A. R. Chemical Co., 308 E 8th, Los Angeles, Cal.
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
National Magnesia Mfg. Co., 544 Market, San Francisco, Cal.
Thomsen Chemical Co., Munsey bldg, Baltimore, Md.

13680a—Sodium Thiosulphate

RARE METAL PRODUCTS CO., Cortlandt, Belleville, N. J.

13860b—Sodium Tri-Phosphate

Barker Bros., Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
Fergusson Alex C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
General Chemical Co., 40 Rector, New York
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Hendey Chemical Co., Inc., 342 Madison, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Riverside Mfg. Co., Arcade bldg, St. Louis, Mo.
Victor Chemical Works, Fisher bldg, Chicago, Ill.
Warner Chemical Co., 52 Vanderbilt av, New York

13860c— Sodium (Uranate)

Carnotite Reduction Co., E 26th & So. Park av, Chicago, Ill.
Foote Mineral Co., 107 N 19th, Phila., Pa.
Standard Chemical Co., Vanadium bldg, Pittsburgh, Pa.

13861— Softeners (Cotton)

Arabol Mfg. Co. ("Bradford" Soluble Grease), 110 E 42nd, New York
Arnold Hoffman & Co., 55 Canal, Providence, R. I.
Bosson & Lane ("Olo Soffene"), Atlantic, Boston, Mass.
Draper J. O. Co., Pawtucket, R. I.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Fox Chas. J., 313 S Philip, Phila., Pa.
Harding & Fancourt ("Tuscan"), 516 S Delaware av, Phila., Pa.
Herrick & Voight, 99 John, New York
Holbrook Mfg. Co., 18th & Coles, New York
Houghton E. F. & Co. ("C. G.," "Alba," "Olive Cream"), 240 W. Somerset, Phila., Pa.
Leyland Thos. & Co., Readville, Boston, Mass.
Loos & Dilworth, 134 S Front av, Phila., Pa.
McMeekan D. Mfg. Co. (Also Silk), 1070 Pacific, Brooklyn, N. Y.
National Oil Products Co., Harrison, N. J.
Pawtucket Mordant Co., Pawtucket, R. I.
Providence Drysalters Co., East Greenwich, R. I.
Royal Chemical Co., Phenix, R. I.
Scholler Bros. Co., Ambler & Westmoreland, Phila., Pa.
Tanner Chas. S. Co., 250 S Water, Providence, R. I.
Wilmington Oil Refining Co., Wilmington, Del.
Wolf Jacques & Co., Passaic, N. J.
Worden Chemical Works, 4 Cedar, New York
Zurn O. F. Co. (Turkish Softener, Resolvent Compound), Broad & Lehigh, Phila., Pa.

13862— Softeners (Skin)

Emrich, Phil. (Or Arm Stakes), 824 Main, Cincinnati, O.

13863— Soil Pipe Closers

Bradford Wm. A. Co., Quincy, Mass.

Soil Pipe & Fittings

See Cast Iron Soil Pipe & Fittings

13864— Solder (Aluminum)

Allen L. B. Co., Inc., 4519 N Lincoln, Chicago, Ill.
Aluminum Company of America, 2301 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book
Atlas Brass Foundry Co., Columbus, O.
Atkinson Co., Rochester, N. Y.
Austin M. B. & Co., 406 Jackson blvd, Chicago, Ill.
Belmont Smelting & Refining Works, Inc. (Belmont Brand—No Flux required), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book
Birtwistle E. S., 143 N. J. R. R. av, Newark, N. J.
Brooklyn Alloys Co., 17 Walton, Brooklyn, N. Y.
City Brass Foundry Co., 5318 St Clair av, Cleveland, O.
Conn. Metal & Chemical Co., East Berlin, Conn.
Cramp Wm. & Sons Ship & Engine Bldg. Co., Richmond & Norris, Phila., Pa.
Ideal Bronze Co., 1265 E 55th, Cleveland, Ohio
Janney Steinmetz & Co., 1421 Chestnut, Phila., Pa.
Lansenkamp F. H., Indianapolis, Ind.
Lester Co. ("Arrow"), Fayetteville, N. Y
Lukens Thos. F. Metal Co., 1105 Fairmont av, Phila., Pa.
Metalweld-Service Corp. ("Metalweld"), 2617 Hunting Park, Phila., Pa.
Michigan Smelting & Refining Co., 7881 Jos. Campau av, Detroit, Mich.
More-Jones Brass & Metal Co., B'way & Dock, St. Louis, Mo.
National Aluminum Co., Racine, Wis.
PAL-WELD MFG. CO., INC. ("Pal-Weld"), 1207 Pine, Seattle, Wash.
Richards & Company (Inc.), 192 Beverly, Boston, Mass.
Ruby Chemical Co., Columbus, O.
So-Luminum Mfg. & Engng. Co. ("So-Luminum"), 130 W 18th, New York
Stanley Chemical Co., East Berlin, Conn.
Thwing Instrument Co., 3339 Lancaster av, Philadelphia, Pa.
United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.
U. S. Reduction Co., E Chicago, Ind.
Universal Fluxine Co. ("Acme"), Urbana, Ohio

13865— Solder (Band Saw)

Belmont Smelting & Refining Works, Inc. (Sheet—burred—any formula), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book
Fuller Geo. H. & Son Co. (Silver), Pawtucket, R. I.
White Metal Rolling & Stamping Corp., 314-16 Calyer, Brooklyn, N. Y.

13865a— Solder (Bar)

Belmont Smelting & Refining Works, Inc. (Belmont Brand—all mixtures), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book

Solder Bar for Roofers, Bar for Plumbers, Brazing or Hard, Silver, Aluminum.
ALSO WOOD'S SOLDER
BELMONT SMELTING & REFINING WORKS, Inc.
Gen'l Office: 328 Belmont Ave., Brooklyn, N. Y.

Brooklyn Alloys Co., 17 Walton, Brooklyn, N. Y.
Chicago Solder Co., 4202 Wrightwood av, Chicago
Conklin Brass & Copper Co. T. E., 54-60 Lafayette blvd, New York
See adv index at end of book
Conn. Metal & Chemical Co., East Berlin, Conn.
Eagle Picher Lead Co., 208 S La Salle, Chicago, Ill.
Eagle Smelting & Refining Wks., 233 B'way, New York
GARDINER METAL CO., 1364 W Lake, Chicago
See adv index at end of book
Great Western Smelting & Refining Co., 4100 Wallace, Chicago, Ill.
Hoyt Metal Co., Boatmans Bank bldg, St. Louis, Mo.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Kahn Bros., 785 Humboldt, Brooklyn, N. Y.
Lehman Bros., 326 Jefferson, Hoboken, N. J.
Lukens Thos. F. Metal Co., 1105 Fairmont av, Phila., Pa.
Michigan Smelting & Refining Co., 7881 Jos. Campau av, Detroit, Mich.
More-Jones Brass & Metal Co., B'way & Dock, St. Louis, Mo.
Murphy E. L. & Company, 114 W Van Buren, Chicago
Nassau Smelting & Refining Wks., 603 W 29th, New York
National Smelting Co., 16th & Texas, San Francisco, Cal.
PAL-WELD MFG. CO., INC. ("Pal-Weld"), 1207 Pine, Seattle, Wash.
Richards & Co., 192 Beverly, Boston, Mass
Riverside Metal Refining Co., Connellsville, Pa.
Rochester Lead Works, 380 Exchange, Rochester, N. Y.
U. S. Smelting Wks. (& Wire), 1615 Spring Garden, Phila., Pa.

13866—Solder (Brass Spelter)

American Brass Co., Waterbury, Conn.
For branch offices see adv index at end of book
Belmont Smelting & Refining Works, Inc. (all kinds, mixtures & grains), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book
Chicago Smelting & Refining Co., 25th & Loomis, Chicago, Ill.
Conklin Brass & Copper Co. T. E., 54-60 Lafayette, New York
See adv index at end of book
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Lehman Bros., 326 Jefferson, Hoboken, N. J.
Michigan Smelting & Refining Co., 7881 Jos. Campau av, Detroit, Mich.
United Smelting & Aluminum Co., Inc. 183-189 Commerce, New Haven, Conn.

13867— Solder (Brazing)

Active Spinning & Sheet Metal Works, 56 62 W Kinzie, Chicago, Ill.
Belmont Smelting & Refining Works, Inc. (all kinds, grains & mixtures), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book
Conklin Brass & Copper Co. T. E., 54-60 Lafayette, New York
See adv index at end of book
Gardiner Metal Co., 1364 W. Lake, Chicago Ill.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Lehman Bros., 326 Jefferson, Hoboken, N. J.
Nassau Smelting & Refining Works, Ltd., 603 W 29th, New York
North American Smelting Co. ("Crescent"), 9th & Thompson, Phila., Pa.
Oldham New York Saw Works, Inc. (Silver), 112 26th, Brooklyn, N. Y.
Sandoval Zinc Co., 410 N Peoria, Chicago, Ill.
United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.
Waterbury Brass Goods Corp., Waterbury, Conn.
Wolff L. A. Metal Works, 1257 Harrison av, Cincinnati, Ohio

13868—Solder (Gold & Silver)

Barker Bros., Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
Benson H. K. & F. S. (Silver Only), Glen Ridge, N. J.
Fuller Geo. H. & Son Co. (Silver), Pawtucket, R. I.
Gerlach Peter Co. (Silver), 1708 Columbus, Cleveland, O.
Hagstoz T. B. & Son, 709 Sansom, Phila., Pa.
Hough W. S. Co., Dept. H, Attleboro, Mass.
Jackson John J. Co., 158 Astor, Newark, N. J.
Linton & Co. (Sheet or Wire), 86 Page, Providence, R. I.
Ney J. M. Co. (Silver Solder for Brazing, etc), Hartford, Conn.
Noble F. H. & Co., 559 W 59th, Chicago, Ill.
Pacific Platinum Works, Inc. (Gold, Silver, Platinum), 814 S Spring, Los Angeles, Cal.
Platt Chas. S. Co. (Silver in Sheet, Wire or Field), 31 Gold, New York
Rich-Alloy Co., 13223 Euclid av, Cleveland, O.
Scientific Laboratories Co., 2535 Broadway, Cleveland, O.

(Continued on following page)

Solder (Gold & Silver)—Continued

United Wire & Supply Co. (In Wire & Sheets), Elmwood Station, Providence, R. I.
Wall A. T. Co., 162 Clifford, Providence, R. I.
Wilberg Bros. (Gold, Silver, Platinum), 742 Market, San Francisco, Cal.
WILSON H. A. CO. ("Wilco"), 99 Chestnut, Newark, N. J.

13868a—*Solder (Low Melting)

Belmont Smelting & Refining Works, Inc. (Belmont Brand—Woods Metal), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book

13869—Solder (Plumbers', Tinners' Etc.)

See also Soldering Paste, Salts & Stick

American Casting & Mfg. Corp. (Wire), 39 Main, Brooklyn, N. Y.
American Lead Co. (Wire Triangle, etc), 3116 Penn av, Pittsburgh, Pa.
Atkinson Co., Rochester, N. Y.
BELMONT SMELTING & REFINING WORKS, INC. (Any mixture, any shape bar), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book
Blatchford E. W. Co., 230 N Clinton, Chicago, Ill.
Brady Brass Co., 170 14th, Jersey City, N. J.
Brooklyn Alloys Co., 17 Walton, Brooklyn, N. Y.
Bruce & Cook, 190 Water, New York
Butter Samuel & Co., 421 Old Colony av, Boston, Mass.
Canfield M. C. Sons Co., 93 Wilsey, Newark, N. J.
Central Smelting & Refining Co., Borden av & Hayward, Long Island City, N.Y.
Chadwick-Boston Lead Co. (Bar, Block, Wire, Plumbers', Tinman's & Came or Glaziers'), Boston, Mass.
Chicago Solder Co. (Solid Wire & Bar), 4201 Wrightwood av, Chicago, Ill.
Cleveland Alloys Co., Elm & Superior, Cleveland, O.
Conn, Metal & Chemical Co., East Berlin, Conn.
Crown Metal Co., 259 Washington, Milwaukee, Wis.
Delaware Metal Refinery, Washington & 18th, Philadelphia, Pa.
Delphos Mfg. Co., 1st & Pierce, Delphos, Ohio
Detroit Lead Pipe Works, Detroit, Mich.
Eagle Picher Lead Co. The, ("Eagle"), 208 S La Salle, Chicago, Ill.
Eagle Smelting & Refining Works (Wire Segment, Bar, Drop & Caffing Triangle, etc), 233 Broadway, New York
Empire Metal Co., Syracuse, N. Y.
Erie White Metal Co., Erie, Pa.
Finn John Metal Works, 384 2d, San Francisco, Cal.
Fleck Bros. Co. (Plumbers'), 44 N 5th, Phila., Pa.
Gardiner Metal Co., 1364 W Lake, Chicago
Gorman Metal Co. ("Gorco"), 785 Bryant, San Francisco, Cal.
Graham Jas. & Co., New Haven, Conn.
Great Western Smelting & Refining Co., 41st & Wallace, Chicago, Ill.
Hewitt Co., Railway Exchange bldg, Chicago, Ill.
Hiertz Theo. Metal Co., Alaska & Tesson, St. Louis, Mo.
Hoyt Metal Co., Boatmen's Bank bldg, St. Louis, Mo.
Hungerford U. T. Brass & Copper Co. (Bar, Tri-Angular & Capping Wire & Segments), 80 Lafayette, New York
Illinois Smelting & Refining Co., 410 N **Peoria, Chicago, Ill.**
Jacob Bros., 1240 Seaview av, Bridgeport, Conn.
Jacobson I. M. & Sons Co. (For All Purposes), 70 Catherine, Detroit, Mich.
Kahn Bros. ("Solder-Iron" Brand), 785 Humboldt, Brooklyn, N. Y.
Lang E. M. Co. ("Neverslip" Wire. Drop & Stick), 341 Lore, Portland, Me.
Larkin J. K. & Co., 253 Broadway, New York. *See adv index at end of book*
Lehman Bros. (Spelter & Babbitt Metal), 326 Jefferson, Hoboken, N. J.
Lewis Jno. T. & Bros. Co., Lafayette bldg, Phila., Pa.
Linton & Co. (Sheet Brass), 86 Page, Providence, R. I.
Lissberger Marks & Son, 281 Borden av. L. I. City, N. Y.
Los Angeles Smelting Co., 739 N Main, Los Angeles, Cal.
Lukens Thos. F. Metal Co., 1105 Fairmont av, Phila., Pa.
LUMEN BEARING CO., 200 Lathrop, Buffalo, N. Y. *See adv index at end of book*
Lyon, Conklin & Co. Inc. (Jobbers), Race & McComas, Baltimore, Md.
McDonald Jas. & Sons Co., Cincinnati, O.
Magnolia Metal Co., 113 Bank, New York
See adv index at end of book
Maryland Brass & Metal Wks., Calvert & Federal, Baltimore, Md.
Merchant & Evans Co. (Bar, Tri-Angular & Capping, Wire & Segments), Washington av & 21st, Phila., Pa.
Metals Refining Co., Inc., Hump rd, Hammond, Ind.

MAGNOLIA SOLDER



Made in Four Standard Grades
Magnolia Warranted 50-50
(half tin, half lead)
Magnolia Strictly
Magnolia Commercial
Magnolia Wiping
Write for Prices
MAGNOLIA METAL CO., 113 Bank St., N. Y.
Chicago San Francisco Montreal

Michigan Smelting & Refining Co., 7881 Jos. Campau av, Detroit, Mich.
Millar Chas. & Son Co., Utica, N. Y.
More-Jones Brass & Metal Co. (Bar Wire & Triangular), B'way & Dock, St. Louis, Mo.
Nassau Smelting & Refining Works, 607 W 29th, New York
National Copper Refining & Smelting Co., 1895 Coltman, Cleveland, O.
National Lead Co. (Wire, Triangular, Drop & Bar Solder), 111 B'way, New York
National Lead & Oil Co. of Pa., Commonwealth bldg, Pittsburgh, Pa.
North American Copper Co., 52 Vanderbilt av, New York
North American Smelting Co. (Tinners & Brazing), 9th & Thompson, Phila., Pa.
Northwestern Chemical Co., Marietta, O.
Northwestern Shot & Lead Works, 90 Fairfield av W, St. Paul, Minn.
Ohio Metal Co., 1137 N 4th, Columbus, O.
Ohio Metal & Mfg. Co., Monument & Taylor, Dayton, O.
Pacific Metal Works, 153 1st, San Francisco, Cal.
Peerless Alloy Co., 1409 Blake, Denver, Colo.
Pittsburgh Smelting & Refining Co., Elizabeth, & B. & O. R. R., Pittsburgh, Pa.
Pittsburgh White Metal Co., 3116 Penn av, Pittsburgh, Pa.
Raub Supply Co., Lancaster, Pa.
Raymond Lead Works (Wire, Triangular Bar Drops, etc.), 735 S Washtenaw av, Chicago, Ill.
Republic Metalware Co., 100 Alabama, Buffalo, N. Y.
Rex Metal Works, 1st av S & Spokane, Seattle, Wash.
Richards & Company (Inc.) ("Richards"), 192 Beverly, Boston, Mass.
Riverside Metal Refining Co., Connellsville, Pa.
Rochester Lead Works, Rochester, N. Y.
Rumsey L. M. Mfg. Co., 4372 Westminster, St. Louis, Mo.
Selby Smelting Works (Wiping, Wire, Bar Strip, Drop, etc.), 201 1st, San Francisco, Cal.
Stanley Chemical Co., East Berlin, Conn.
Star Refining Co., 116 W First, Boston, Mass.
Syracuse Smelting Works ("Stanley Process"), 192 Diamond, Brooklyn, N. Y.
Tatham & Bros., 261 Water, New York
Taylor N. & G. Co., Mariner & Merchant bldg, Phila., Pa.
Union Smelting & Refining Co. ("Usarco" Wire Segment, Bar & Drop, Capping, Triangular, etc.), St. Charles, Newark, N. J.
Union Smelting & Refining Trust, 648 Laura, Los Angeles, Cal.
United American Metals Corp. ("Stanley Process"), 192 Diamond, Brooklyn, N. Y.
United Lead Co. (Bar Drop, Wire, Triangular, Pulverized Ribbons, Segment, Shot, Tape), 111 B'way, New York
United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.
United States Reduction Co. (Bar, Wire & Triangular), E Chicago, Ind.
United States Smelting Works, 1615 Spring Garden, Philadelphia, Pa.
United Wire & Supply Co. (Gold & Silver), Elmwood Station, Providence, R. I.
Van Dyke Smelting & Refining Works, Inc., 94 Van Dyke, Bklyn, N. Y.
Wensley Metal Products Co., 2232 Blake, Denver, Colo.
Wheeling Corrugating Co., Wheeling, W. Va.
White Metal Rolling & Stamping Corp., 314-16 Calyer, Brooklyn, N. Y.
Windsor Mfg. Co., 570 Clinton, Milwaukee, Wis.

13870— Solder (Rosin Core)

Belden Mfg. Co. ("Belden" for Switchboard & Telephone Connections), 2316 S Western av, Chicago, Ill.
Hess & Son ("Tinol"), 2910 N 16th, Phila., Pa.

13871—Solder (Self-Fluxing)

Belden Mfg. Co., 2316 S Western av, Chicago, Ill.
Chicago Solder Co. ("Kester" Acid & Rosincore), 4202 Wrightwood av, Chicago
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Kellogg Switchboard & Supply Co., 1066 W Adams, Chicago, Ill.
National Lead Co., 111 B'way, New York, & 10th & Howard, Detroit, Mich.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Solderall Co., 127 Sussex av, Newark, N. J.
Western Electric Co., 463 West, New York

13871a—*Solder (Silver Brazing)

Belmont Smelting & Refining Works, Inc. (Sheet-burred—any formula), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book
Gerlach Peter Co., 1708 Columbus, Cleveland, O.
Simonds Mfg. Co., 470 Main, Fitchburg, Mass. *See adv index at end of book*

13872— Soldering Apparatus for Rail Bonding

Smith of N. Y. Co., 1 Franklin sq, New York

13873— Soldering Coppers

Ayars Machine Co. (For Canning Factories, etc), Salem, N. J.
Beall Bros., Alton, Ill.
Bernz Co., Inc., Otto, 17 Ashland St., Newark, N. J.
See adv index at end of book
Clendenin Bros., 108 South, Baltimore, Md.
Conklin Brass & Copper Co. T. E., 54-60 Lafayette, New York
See adv index at end of book
Delphos Mfg. Co., 1st & Pierce, Delphos, O.
Electric Materials Co., North East, Pa.
Eureka Co., North East, Pa.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Hussey C. G. & Co., 2850 2nd av, Pittsburgh, Pa.
Kaufman A. G. Mfg. Co. (Self-Heating), 21 E 14th, New York
Lukens Thos. F. Metal Co., 1105 Fairmont av, Phila., Pa.
Merchant & Evans Co., Washington av & 21st, Philadelphia, Pa.
Motor Products Corp., Mack av & Outer Belt Line, Detroit, Mich.
Peck, Stow & Wilcox Co., Southington, Conn.
Taunton-New Bedford Copper Co., Taunton, Mass.

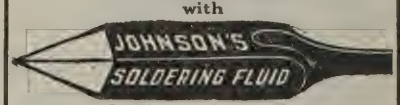
13874—Soldering Flux, Paste, Salts & Stick

Allen L. B. Co. ("Allen," "Presto-Soder"),
Belden Mfg. Co. (Stick Paste & Salt), 2316 S Western av, Chicago, Ill.
Benson Alex. R. Co., Inc. ("Yagers"), Hudson, N. Y.
See adv index at end of book

YAGER'S SOLDERING FLUXES
Salts—Paste
Alex R. Benson Co., Inc.
HUDSON, N. Y.
Established 1873

Blue Seal Cleaners Co., Inc., 657 11th av, New York
Burnley Battery & Mfg. Co. ("Diamond," Stick & Paste), North East, Pa.
Callahan Geo. & Co. (Flux), 218 Front New York
Central Stamping Co. ("Solderine" Salts), 206 B'way, New York
Chemical Products Co. (Flux & Paste), 44K, S Boston, Mass.
Chicago Solder Co. ("Kester"), 4202 Wrightwood av, Chicago, Ill.
Dielectric Mfg. Co. (Stick, Paste & Salts), 224 S Vandeventer av, St. Louis, Mo.
Dixon Wm. (Jewelers Soldering), 119 Fulton, New York
Dow Chemical Co. (Flux), Midland, Mich.
Dunton M. W. Co. ("Nokorode" Paste & Salts), 150 Niagara, Providence, R. I.
Garden City Laboratory ("Anchor" Brand Non-Acid Flux), 2635 S State, Chicago
Grasselli Chemical Co. ("Eureka" Flux, "Standard" Flux, "Snowflake" Soldering Salts), Guardian bldg, Cleveland, O.
Hartwig Wm. J. Co. ("New Idea"), 205 **E Jefferson, Detroit, Mich.**
Highland Electro Chemical Mfg. Co. (Insulating Soldering Paste), Connellsville, Pa.
Johnson Mfg. Co., 729 W Washington, blvd. Chicago, Ill.
See adv index at end of book

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JOHNSON MFG. CO. (not Inc.)
729 West Washington Blvd. Chicago, Ill.

Keystone Specialty Co., Scranton, Pa.
Leveridge C. W. ("Yankee Salts"), 133 Liberty, New York

Lukens Thos. F. Metal Co. ("Superfine"), 1105 Fairmont av, Phila., Pa.
McGill Mfg. Co. ("Star" Sticks & Paste, "Crescent" Flux Fluid, Salts, Sticks & Paste), 77 Oak, Valparaiso, Ind.
Manhattan Electrical Supply Co. ("Excelsior"), 17 Park pl, New York
Merrimac Chemical Co. (Solutions), 148 State, Boston, Mass.
Mitchell-Rand Mfg. Co., 26 Vesey, New York
National Lead Co. ("Excelsior" Flux), 111 B'way, New York
Northwestern Chemical Co. (Norwesco), Marietta, Ohio
PAL-WELD MFG. CO., INC. ("Pal-Weld" Tinning & Soldering Compound), 1207 Pine, Seattle, Wash.
Reade Mfg. Co. ("Incomparable," Fluid & Tinning Solution," "Readina" Solution, "Readeana" Paste), Hoboken, N. J.
Rotax Co. ("Rotax" Paste Salts), 38 E 133rd, New York
Ruby Chemical Co. ("Ruby," Fluid), Columbus, O.
Sandoval Zinc Co. (Flux, Salts, etc.), 410 N Peoria, Chicago, Ill.
Schneider Emil (Salts), 298 South, Newark, N. J.
Seldner & Enequist (Soldering Fluid & Tinning Flux), 86 Housman, Brooklyn, N. Y.
Senga Chemical Co. ("Senga"), 359 Pine, Providence, R. I.
Solderall Co. ("Peerless" Paste), 126 Sussex av, Newark, N. J.
Special Chemical Co. ("Speco" Radio), Highland Park, Ill.
Swan & Finch Co. ("Fluxite"), 165 Broadway, New York
United American Metals Corp. ("Syracuse"), 192 Diamond, Brooklyn, N. Y.
United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.
Universal Fluxine Co. ("Universal," Fluid), Urbana, O.
Walsh J. E. Co., Pittsfield, Mass.
Weaver Specialty Co. ("Oakwood" Paste, Salts & Liquid), 6344 Aurelia, Pittsburgh, Pa.
Western Dry Battery Co. ("Bear" Flux), 2501 15th, Seattle, Wash.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*
Woodtite Laboratories, Modesto, Cal.

13875—Soldering Frames & Cylinders

BLISS CO. E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Leffler Chas. & Co. (For Can Makers), 59 Clymer, Brooklyn, N. Y.

13876— Soldering Iron & Blow Torch Combined (Benzine)

Globe Gas Light Co. ("Picolo"), 25 Union, Boston, Mass.

13877— Soldering Iron & Blow Torch Combined (Gasoline)

Adroit Tool Co., 14 Front, New York
Beach-Russ Co. (Gas Blast), 38 Church, New York *See adv index at end of book*
Bernz Co., Inc., Otto, 17 Ashland, Newark, N. J. *See adv index at end of book*
Globe Gas Light Co. ("Neuachat"), 25 Union, Boston, Mass.

13878—Soldering Irons (Alcohol)

Glogau & Co., Great Lakes bldg, Chicago, Ill.

13878a—Soldering Irons (Acetylene)

PREST-O-LITE CO., INC., THE, 30 E 42nd, New York
See adv index at end of book

13879—Soldering Irons (Electric)

Adroit Tool Co., 14 Front, New York
American Electrical Heater Co. ("American Beauty"), 6125 Woodward, Detroit, Mich.
Chambers Bering Quinlan Co., Decatur, Ill.
Cook Electric Co., 2700 Southport, Chicago, Ill.
Conklin Brass & Copper Co. T. E., 54-60 Lafayette, New York
Cutler-Hammer Mfg. Co., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
Dover Mfg. Co., Dover, Ohio
Edison Electric Appliance Co., Inc., 566 W Taylor, Chicago, Ill.
Everhot Mfg. Co. ("Everhot"), 619 S 10th av, Maywood, Ill.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Hoskins Mfg. Co., 453 Lawton, Detroit, Mich.
Langguth-Olson Co., 120 Liberty, New York
Manhattan Electrical Supply Co., 17 Park pl, New York
Ohio Electric & Controller Co., 5900 Maurice av, Cleveland, O.
PENNSYLVANIA INSTRUMENT CO., 616-618 Chestnut, Phila., Pa.
Presto Elec. Co., Inc. ("Presto"), 70 Market, San Francisco, Cal.
Simplex Electric Heating Co. ("Simplex"), Cambridge, Mass.
Vulcan Electric Heating Co. ("Vulcan"), **107 W 13th, New York**
Waage Electric Co., 12 S Jefferson, Chicago, Ill.

13880—Soldering Irons (Self Heating)

Ams Max Machine Co. (For Canners, etc.), 101 Park av, New York
See adv index at end of book
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Decker Mfg. Co., 251 Elm, Newark, N. J.
Livingston Mfg. Co., Rockland, Me.

13881— Soldering Sets

Arcade Mfg. Co., Freeport, Ill.
Barrett W. L. ("Handy," "Leader"), Bristol, Conn.
Dunton M. W. Co. ("Nokorode Solderkit"), 150 Niagara, Providence, R. I.
Millers Falls Co. ("Millers Falls"), Dept H, Millers Falls, Mass.
Peck, Snow & Wilcox Co., Southington, Conn.
Stover Mfg. & Engine Co. ("Ideal"), Freeport, Ill.
Williams Chas. & Co., Bigelow, N. Y.
Winn Wm. R. (Non-Corrosive), 433 Cherry New York

13881a— Sole Leather

Avon Sole Co., Brockton, Mass.
Cattaraugus Tanning Co., 321A (S. B.), Boston, Mass.
Central Leather Co., 17 Battery pl, New York
England, Walton & Co., Dept. H, 3rd & Vine, Phila., Pa.
Harris Wheaton Co., 157 Pearl, Boston, Mass.
Hilliard & Merrill Inc., 130 Eastern av, Lynn, Mass.
Hudson Sole Co., Hudson, Mass.
Kistler, Lesh & Co., 332 Summer, Boston, Mass.
Ladew Jones Co. (Oak), 105 South, Boston, Mass.
Mosser J. K. & Co., Williamsport, Pa.
National Leather Co., 161 South, Boston, **Mass.**
Packus J. & Sons, 103 Gold, New York
Salger Cut Sole Co., 235 Congress, Boston, Mass.
Tanners Cut Sole Co., 321 Summer, Boston, Mass.
United States Leather Co., 17 Battery pl, New York
Wilkinson & Roger, 313 N 3rd, Phila., Pa

13882— Solenoids

Acme Wire Co., 1255 Dixwell av, New Haven, Conn.
Belden Mfg. Co., 2316 S Western av, Chicago, Ill.
CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
Dahlstrom Metallic Door Co., 413 Buffalo, Jamestown, N. Y.
DOYLE-DACOSTA MFG. CO., Easton, Pa.
Easton Coil Co., Centre & Mauch Chunk, Easton, Pa.
Eby H. H. Mfg. Co., 605 Arch, Phila., Pa.
Electric Controller & Mfg. Co., Cleveland, Ohio *See adv index at end of book*
Roebling John & Sons Co., Trenton, N. J.
See adv index at end of book
Western Electro-Mechanical Co., 461 2nd, Oakland, Cal.

13883— Soles (Rubber)

Angelus Heel & Rubber Co. ("Arcide"), 1417 N Main, Los Angeles, Cal.
Archer Strauss Rubber Co., Framingham, Mass.
Atlantic Mfg. Co. ("Rubbestos"), Wilmington, Del.
Essex Rubber Co., Trenton, N. J.
Goodyear Tire & Rubber Co. ("Neolin"), 1144 E Market, Akron, O.
Gutta Percha & Rubber Mfg. Co., 360 Madison av, New York
Hale Alfred Rubber Co., Atlantic, Mass.
Huntington Rubber Mills, MacAdam & Nevada, Portland, Ore.
Manhattan Rubber Mfg. Co., Passaic, N. J.
O'Sullivan Rubber Co. ("O'Sullivan"), 131H Hudson, New York
Pennsylvania Rubber Co., Jeannette, Pa.
Petley Rubber Mfg. Co., 247 Oregon, Milwaukee, Wis.
Republic Rubber Corp., Dept. H, Youngstown, Ohio
Rubber Products Co., Barberton, Ohio
Sharon Leather & Rubber Co., Sharon, Pa.
U. S. RUBBER CO. ("Uskide"), 1790 B'way, New York
See adv index at end of book

13884—Solutions (Ferric Chloride)

Dow Chemical Co. (U. S. P. & Neutral), Midland, Mich.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Hooker Electro Chemical Co., 25 Pine, New York

13884a—Solvent Recovery Apparatus

BARNSTEAD STILL & STERILIZER CO., INC. (Electric or Steam), 3 Lanesville Terrace, Boston 30, Mass.
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Lummus Walter E. Co., 171 Milk, Boston, Mass.

13885— Solvent Thinners

Alcohol Products Co., Blanchard, Newark, N. J.
Protexol Corp., 41 Barclay, New York
See adv index at end of book

13885a—Solvents (Acetone & Ketones)

American Wood Preserving Co., 1351 N Branch, Chicago, Ill.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*

Soot Blowers & Suckers (Boiler Flue or Tube)

See Cleaners, Boiler Flue or Tube; Soot Blowers & Suckers

13886—Sorters (Bean & Pea)

Bacon Mfg. Co. (Bean), Pontiac, Mich.
Ferrell A. T. & Co. ("Clipper"), Saginaw Mich.
Johnson & Field Mfg. Co. ("Racine"), Racine, Wis.

13887— Sorters (Potato)

American Bell & Foundry Co. (Fruit & Potato Sorter), Northville, Mich.
Aspinwall Mfg. Co., Jackson, Mich.
Champion Potato Machine Co., Hammond, Ind.
Dowden Mfg. Co. (Ltd.), Prairie City, Ia.
Granger Co. A. D., 17 Park Row, New York
See adv index at end of book
Hench & Drumgold Co. (Peach & Potato Sorter), York, Pa.
Hoover Mfg. Co., Avery, O.
Pease F. B. Co. (Sorter & Graders), Roch-

13887a—Sound Proofing Materials

See also Felts Deadening

Armstrong Cork & Insulation Co., 24th & A. V. R. R., Pittsburgh, Pa.
Mazer Acoustile Co. ("Acoustile"), 1209 Arch, Phila., Pa.
Northern Insulating Co. ("Flaxlinum," "Flaxlinum Keyboards" for Walls), St. Paul, Minn.
United States Mineral Wool Co., 280 Madison av, New York

13888—Sounding Lines (Deep Sea)

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book

13889—Sowers (Hand Seed)

Allen S. L. & Co. ("Planet, Jr."), 5th & Glenwood, Phila., Pa.
Cyclone Seeder Co. ("Cyclone"), Urbana, Ind.
Everett J. A. (Broadcast), 583 E Washington, Indianapolis, Ind.
Goodell Co. ("Cahoon"), Antrim, N. H.
Humphrey & Sons (Broadcast), Joliet, Ill.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
Seeder Mfg. Co., Homer, Mich.

13890— Sowers (Plaster)

Foster & Williams Mfg. Co., Racine, Wis.
Ontario Drill Co., East Rochester, N. Y.

13891—Sowers & Drills (Hand Seed Garden)

Allen S. L. & Co. ("Planet, Jr."), 5th & Glenwood, Phila., Pa.
Bacon Mfg. Co. (Seed Drills), Pontiac, Mich.
Bateman Mfg. Co., Grenloch, N. J.
Everett J. A., 583 E Washington, Indianapolis, Ind.

13892—Sowers & Drills (Lime & Fertilizer)

International Harvester Co. ("Hoosier"), H, Harvester bldg, Chicago, Ill.
Thomas Mfg. Co. ("Thomas"), Springfield, O.
Zeigler Mfg. Co., Alexandria, Ind.

Sowers & Seeders

See Seeders & Sowers

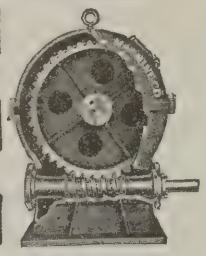
13893— Spacers

Continental Fibre Co. ("Bakelite-Dilecto" Motor Coil), Newark, Del.
Detroit Stamping Co. (Arbor), 3445 W Fort, Detroit, Mich.
Steel & Iron Products Co. (Rod & Bar "Steel Ribbon"), 1911 Emerson av, Chicago, Ill.

FOOTE BROS. IXL SPEED REDUCERS

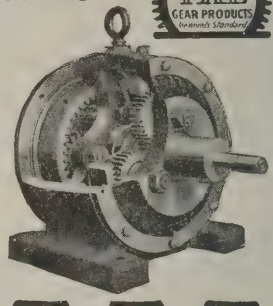
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13893a—Spacers (Button & Button-Hole)

Firsching John A., Utica, N. Y.

13893b—Spacers (Double Awning)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

13893c— Spacers (Tie)

Reading Specialties Co., Reading, Pa.

Spade Mfrs.

See Shovel, Spade & Scoop Manufacturers

13894— Spades (Barking)

Romer Axe & Tool Co. ("Romer" Cedar Barking), Dunkirk, N. Y.

13895— Spades (Concrete)

Conneaut Shovel Co. ("Bannister's"), Conneaut, O.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Wood Shovel & Tool Co., Piqua, O.

Spades (Drain & Ditching)

See Shovels & Spades, Drain & Tiling

13896— Spades (Garden)

See also Shovel, Spade & Scoop Manufacturers
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Indiana Shovel Co. ("Maryland"), New Castle, Ind.
Jackson Shovel & Tool Co., Montpelier, Ind.
Ohio Shovel & Stamping Co., Dover, O.
Western Steel & Iron Works, De Pere, Wis.
Wood Shovel & Tool Co., Piqua, O.

13896a— Spades (Grafting)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

13896b— Spades (Post)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

Spades (Tiling)

See Shovels & Spades, Drain & Tiling

13897— Spades (Wooden)

Bogert & Hopper, Inc. (Butter), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons (Butter, etc.), 364 5th av, New York
See adv index at end of book

13898— Spads (Miners')

Howells Mining Drill Co., Plymouth, Pa.
Hunter Pressed Steel Co. ("Hunter"), 200 Pierce, Lansdale, Pa.
See adv index at end of book
Muirhead John & Son, Pittston, Pa.
Smith-Courtney Co. ("Coltay"), Richmond, Va.

Span Wire Forks

See Forks, Rising

13899— Spanners (Plug)

Williams J. H. & Co. ("Falcon" Drop-Forged Waste), 400 Vulcan, Buffalo, N. Y.

13899a—Spark Gaps (Radio)

Adams Morgan Co., Upper Montclair, N. J.
American Radio & Research Corp. (Quenched), 203 College av, Medford Hillside, Mass.
American Radio Sales & Service Co., Mansfield, O.
Benwood Co., Inc. ("Benwood"), 1110 Olive, St. Louis, Mo.
Bliss R. W., Atlantic, Mass.
Bunnell & Co. J. H. ("Bunnell"), 32 Park pl, New York
Clapp-Eastham Co. (Rotary, Straight), 139 Main, Cambridge, Mass.
Doolittle F. M. Co., 167 Willard, New Haven, Conn.
Eastern Precision Electrical Instr. Co., Rockville Ctr., New York
Electric Machine Co. (Rotary, Quenched), Pratt & Meridian, Indianapolis, Ind.
Gilbert A. C. Co., New Haven, Conn.
Kilbourne & Clark Mfg. Co. ("K. & C."), 101 Spokane, Seattle, Wash.
Manhattan Elec. Supply Co., 17 Park pl, New York
Murdock Wm. J. Co. ("Murdock" Rotary), Everett av & Carter, Chelsea, Mass.
National Radio Co., Marshall, Minn.
Signal Elec. Mfg. Co., Menominee, Mich.
Thordarson Elec. Mfg. Co., 507 S Jefferson, Chicago, Ill.
Wilcox Laboratories, 2208 E Michigan, Lansing, Mich.
Wireless Improvement Co., 66 York, Jersey City, N. J.

Spars

See Masts & Spars

13900— Speaking Tubes

Breeze Metal Hose & Mfg. Co., 250 South, Newark, N. J.
Cowles C. & Co. (Automobile & Electric Megaphone), New Haven, Conn.
Dieckmann F. Co., 482 Harrison av, Cincinnati,, Ohio
Ivins Elwood Tube Works ("Seamless"), Oak Lane Station, Philadelphia, Pa.
Keil Frances & Son ("Reliance"), 401 E 163d, New York
Lamb & Ritchie Co. (Tin, etc), Cambridge, Mass.
McWade Wm. J. (Combination Tube Phone & Mail Box), 3140 S Canal, Chicago, Ill.
Manhattan Electrical Supply Co. (and Supplies), 17 Park pl, New York
Ostrander W. R. & Co., 371 B'way, New York
Van Wagoner-Linn Construction Co., 143 E 27th, New York
Walsh, Owen Mfg. Co., 225 6th av, New York

13901— Spears (Casing)

Luther Mfg. Co., Olean, N. Y.

13902— Spears (Fish)

Arcade Mfg. Co., Freeport, Ill.
Bonafide Mfg. Co. ("Original," "St. Clair," also Frog), Plymouth, Mich.
Collins Co., Collinsville, Conn.

13902a— Spears (Flag)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons (Wood), 364 5th av, New York
See adv index at end of book
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

13903—Spears (Oil Well Casing)

Associated Well Supply Co. Inc. (Jobbers), New York
Baker Casing Shoe Co., Box 264, Huntington Park, Los Angeles, Cal.
Eimer & Amend ("Hilger"), 205 E 18th, New York
Herron R. H. Co., 934 N Alemeda, Los Angeles, Cal.
Keystone Driller Co., Beaver Falls, Pa.
See adv index at end of book
Masseth Packer & Machine Co. (Trip & Bull Dog), Butler, Pa.

13903a— Special Brass Parts

BELL DAVID CO, INC. (THE), 1555 Fillmore av, Buffalo, N. Y.
See adv index at end of book
Zeigler Mfg. Co., Alexandria, Ind.

13904—Special Mill Work (Interior & Exterior Finish)

Cullen & Vaughn Co., 450 Dayton, Hamilton, O.
Darr J. M. & Sons Planing Mill Co., 131 Kentucky av, St. Louis, Mo.

13904a—Specialties (Advertising)

Estes E. B. & Sons (Wood), 364 5th av, New York *See adv index at end of book*
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
JOHNSTON J. W. (Snow White Solution for Windows & Mirrors), Neu Artz bldg, Rochester, N. Y.
Regenstein-Veeder Co. (Cardboard Cut-Outs & Mounts), 3432 Kimball av, Chicago, Ill.
Westcott Rule Co., Seneca Falls, N. Y.
See adv index at end of book

Specialties (Educational)

See Blocks A. B. C.

13904b—Specialties (Electrical, Wood)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Carrom Co., Ludington, Mich.
Estes E. B. & Sons, 364 5th av, N. Y.
See adv index at end of book

13905-6—*Specialties (Manicure, School & Toy)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons (Wood), 364 5th av, N. Y. *See adv index at end of book*

13907— Spectrometers

Bausch & Lomb Optical Co., Rochester, N. Y.
Spencer Lens Co., 444 Niagara, Buffalo, N. Y.

13908— Spectroscopes & Polariscopes

Braun-Knecht & Heimann Co. (& Accessories), 576-584 Mission, Los Angeles, Cal.
Eimer & Amend (Impt.), 205 E 18th, New York
Sargent E. H. & Co. ("Bates"), 155 N Superior, Chicago, Ill.
Spencer Lens Co., 444 Niagara, Buffalo, N. Y.

13908a— Speed Reducers

See also Gears (Speed Reducing)

FOOTE BROS. GEAR & MACHINE CO. (Spur & Worm Gear), 217 N Curtis, Chicago
See adv index at end of book

FOOTE GEAR WORKS (WORM GEAR SPEED REDUCERS. These are made to reduce the R. P. M. of an electric motor to a slower speed required for manufacturing processes or devices and are used wherever a reduction of speed is needed for transmission purposes. We make ten sizes, practically all ratios required, capable of transmitting from ¼ to 100 H. P. Each size is made in various ratios. Send us your speed reduction problems), 430 N Oakley blvd, Chicago
See adv index at end of book

GANSCHOW SPEED TRANSFORMERS



TYPE "A"
DIRECT DRIVE
Ganschow type "A" Speed Transformers are for concentric alignment with high speed motors and find their application in any use where central alignment is possible. There are hundreds of installations on conveyors, elevators, machine tools, and special machines. Smaller in size than the motor which drives it.



TYPE "C"
VERTICAL DRIVE
Ganschow type "C" is the only vertical speed transformer unit without integral motor suspension. It does away with heavy thrust bearings to support the weight of the motor armature and permits the removal of motor to such a distance that it will not be harmed by fumes from agitators, mixers, and other similar machinery.

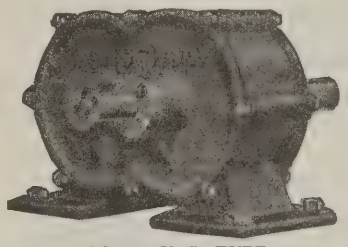


TYPE "B"
ANGLE DRIVE
Type "B" Speed Transformer secures an angle drive without resorting to makeshifts. It may be used in numerous places where there is not sufficient room for a direct drive unit. It is particularly effective when inserted between line shafts and may be arranged to drive each section at different speeds.



WORM GEAR TYPE
Ganschow Worm Gear Speed Reducers represent the best construction that can be had in worm gear reductions. They are carefully designed and every attention is given to each manufacturing operation. Can be furnished in sizes from ¼ to 20 H.P. and in ratios as large as 80 to 1.

WE are manufacturers of cut gears of every description in any kind of material. Our facilities are ample and our organization is thoroughly capable of producing the best in that field of manufacturing in which the William Ganschow Company is so well known. We invite your inspection of our facilities at any time, for we know that a visit to our plant will convince you that we are equipped to handle in a workmanlike way any and all of your requirements.



COMPOUND TYPE
The compound type of speed transformer is a simple spur gear reduction arranged for concentric alignment with motor and is recommended for use on small reduction ratios, particularly for slow heavy drives. Can be furnished with either spur, helical, or herring-bone gears.

William Ganschow Company

1015 Washington Blvd, Chicago

GANSCHOW CO. WILLIAM (All types), 1017 Washington blvd, Chicago
See adv index at end of book

JAMES MFG. CO. D. O. (The James Speed Reducing Transmissions are planetary, spur gear units operating within an internal ring gear reducing the speed of the driving motor in any ratio from 4-1 to 1600-1. They are fully enclosed and self lubricating and once installed require no attention or adjustment except occasional filling of the oil reservoir. They are made in any capacity from a fractional horse power to 200 horse power, and in most cases are smaller in size than the driving motor. They have wide application to elevating and conveying machinery, machine tools, and special machinery. We shall be glad to give any assistance possible in recommendations and specification), 1114-1120 W Monroe, Chicago
See adv index at end of book

JONES FOUNDRY & MACHINE CO. W. A. (Spur & Worm Gear), 4442 W Roosevelt rd, Chicago
See adv index at end of book

Speedometer Cores

See Cores (Speedometer & Taximeter)

Speedometer Flexible Shafts

See Shafts (Flexible)

13909— Speedometers

American Speed Indicator Co. ("Kenney" Marine), New London, Conn.
Bridgeport Brass Co. (Stamped), Dept. H, E Main, Bridgeport, Conn.
Corbin Screw Corp. ("Corbin-Brown"), New Britain, Conn.
Du Vivier Ernest H. (Imp.), 30 Church, New York
Elec. Tachometer Corp. ("Tetco"), 310 North 11th, Phila., Pa.
Hamilton Corp. ("Multometer"), **Lancaster, Pa.**
Johns-Manville Inc. ("Johns-Manville"), Madison av & 41st, New York
Jones Speedometer Co. ("Jones"), Dept. H, New Rochelle, N. Y.
Motors Appliance Co. (Benson Signal), East Moline, Ill.
Nelson Instrument Co. ("Reliance"), Elkins, Boston, Mass.
North East Electric Co., 348 Whitney, Rochester, N. Y.
Standard Thermometer Co. ("Standard"), 65 Shirley, Boston, Mass.
Stewart-Warner Speedometer Corp. ("Warner," "Stewart"), 1826 Diversey Parkway, Chicago, Ill.
Troy Carriage Sun Shade Co., Troy, O.
Van Sicklen Co., Elgin, Ill.

Spelter

See Zinc (Slab)

13910— *Spelter Pigs

Belmont Smelting & Refining Works, Inc. (Belmont Brand), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book

13911-2-3— Spermaceti

Mitchell-Rand Mfg. Co., 26 Vesey, New York

(Continued on following page)

D.O.JAMES

Speed Reducing Transmissions

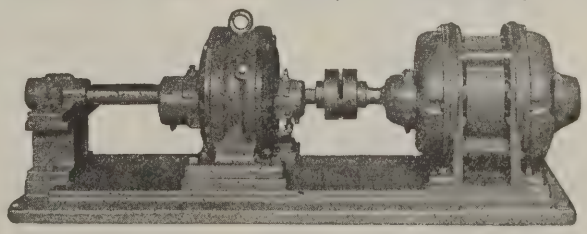
OUR organization, composed of experienced engineers and equipped with the most modern of facilities, combines to make for better products and an unrivaled service.

James Speed Reducing Transmissions are used in every industry on elevating, conveying, power transmission, and special machinery.

Send us your specification for quotation.
We are manufacturers of cut gears of every description—flexible couplings, spur gear speed reducing transmissions, and worm gear reducers.

D. O. James Manufacturing Co.

1114-1120 West Monroe Street, CHICAGO, ILL.



Spermaceti—Continued

Robinson W. A. & Co., New Bedford, Mass.
SMITH & NICHOLS, INC., 121 Maiden Lane, New York

Sperm Oils

See Oils, Sperm & Whale

13914— Spiders

Baker Casing Shoe Co., Box 264 Huntington Park, Los Angeles, Cal.
Bowman Geo. H. Co. ("Swissalu" Aluminum), 224 Euclid av, Cleveland, O.
Continental Supply Co., Post Dispatch bldg, St. Louis, Mo.
Favorite Stove & Range Co. (& Skillets), Piqua, Ohio
Griswold Mfg. Co. ("Griswold" Cast Iron), Erie, Pa.
Wagner Mfg. Co. ("Wagner Ware," Cast Aluminum), Sidney, O.

13915— Spiegel Silicon

Lavino E. J. & Co., Bullitt bldg, Philadelphia, Pa.
Tennant C. Sons & Co. of N. Y. (Imp.), 19 W 44th, New York

13916— Spiegeleisen

American Manganese Mfg. Co., Bullitt bldg, Phila., Pa.
Bethlehem Steel Co., Bethlehem, Pa.
Bond, Vivian & Co. (Imp.), 68 Beaver, New York
Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
Crocker Bros. (German), 21 E. 40th, New York
Lavino E. J. & Co., Bullitt bldg, Philadelphia, Pa.
LEAVITT C. W. & CO., 34 Church, New York *See adv index at end of book*
Marshall, F. W. & Co., Pennsylvania bldg, Phila., Pa.
National Sales & Trading Co., Cleveland, O.
NEW JERSEY ZINC SALES COMPANY, THE (19-21% and 16-19% Mn. Shipping Point, Hazard, Pa.), 158 Front, New York
See adv index at end of book
Rogers, Brown & Co., 77 Carew bldg, Cincinnati, O.
Samuel Frank & Co., Harrison bldg, Phila., Pa. *See adv index at end of book*
Shimer & Co. Inc., 133H S 4th, Phila., Pa.
Tennant C. Sons & Co. of N. Y. (Imp.), 19 W 44th, New York

13916a— Spigots

See also Pegs, Wood

Estes, E. B. & Sons (Wood), 364 5th av, New York *See adv index at end of book*
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.

13916b— Spike Mfrs.

COLONIAL SUPPLY CO. (Also Nails), 217 Water, Pittsburgh, Pa.
See adv index at end of book
Fisher C. W., 52H Broadway, New York
Foster Mfg. & Supply Co. (All Kinds), 20th & Venango, Phila., Pa.
IGOE BROTHERS, 61-73 Metropolitan av, Brooklyn, N. Y.
See adv index at end of book
LARKIN J. K. & CO. (All Kinds), 253 Broadway, New York
See adv index at end of book
Pacific Coast Forge Co., 3800 Iowa, Seattle, Wash.
Sweets Steel Co., Williamsport, Pa.

13916c— Spikes (Boat)

See also Spikes, Ship, Dock & Bridge

Ames W. & Co., Woodward, Jersey City, N. J.
Bethlehem Steel Co., Bethlehem, Pa.
Fisher C. W., 52H Broadway, New York
LARKIN & CO., J. K., 253 Broadway, New York *See adv index at end of book*

J. K. LARKIN & CO.

253 Broadway
NEW YORK

Lebanon Iron Co., Dept. H, Lebanon, Pa.
North Pacific Spike Co., 272 Hoyt, Portland, Ore.
St. Louis Screw Co. (Black & Galvanized), Clarence av E, St. Louis, Mo.
Starke Adolph (Est. of), Columbia & Sigourney, Brooklyn, N. Y.
Wilson Steel Products Co., Dept. H, 49th & Western av, Chicago, Ill.

13917—Spikes (Boat, Composition)

Fisher C. W., 52H Broadway, New York
LARKIN & CO., J. K., 253 Broadway, New York *See adv index at end of book*
Taunton-New Bedford Copper Co., Taunton, Mass.

Spikes (Bridge)

See Spikes, Ship, Dock & Bridge

13918— Spikes (Copper)

Hussey C. G. & Co., 2850 2nd av, Pittsburgh, Pa.

13918a— Spikes (Crossing)

Ames W. & Co., Jersey City, N. J.
LARKIN & CO. J. K., 253 Broadwey, New York
See adv index at end of book

13919— Spikes (Cut)

Bethlehem Steel Co., So. Bethlehem, Pa.
Brooke E. & G. Iron Co., Birdsboro, Pa.
Fisher C. W., 52H Broadway, New York
Illinois Nail Co., 826 Dix, Chicago, Ill.
La Belle Iron Works, Steubenville, O.
LARKIN & CO. J. K., 253 Broadwey, New York
See adv index at end of book
Malleable Iron Fittings Co. (Zinc Coated Iron), ("M. I. F. Co."), Branford, Conn.
Norton Iron Works, Ashland, Ky.
Republic Iron & Steel Co., Youngstown, O.
See Branch Offices Alphabetical Section
Severence S. Mfg. Co., 3d, Pittsburgh, Pa.
Tredeger Co., ft. of 5th, Richmond, Va.
Tremont Nail Co., West Wareham, Mass.
Van Alen & Co., Northumberland, Pa.

13919a— Spikes (Dock)

See also Spikes, Ship, Dock & Bridge

Ames W. & Co., Jersey City, N. J.
HARRY L. C. CO., 114 Liberty, New York
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
LARKIN J. K. & CO. (& Wharf), 253 Broadway, New York
See adv index at end of book

J. K. LARKIN & CO.

253 Broadway
NEW YORK

Starke Adolph (Est. of), Columbia & Sigourney, Brooklyn, N. Y.

13919b—Spikes (Galvanized)

Ames W. & Co., Jersey City, N. J.
Bethlehem Steel Co., Bethlehem, Pa.
Fisher C. W., 52H Broadway, New York
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Starke Adolph (Est. of), Dept. H, Columbia-Sigourney, Brooklyn, N. Y.

13919c— Spikes (Guard)

Ames W. & Co., Jersey City, N. J.
Fisher C. W., 52H Broadway, New York
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book

13920—Spikes (Hand Made)

Fisher C. W., 52H Broadway, New York
Larkin J. K. & Co., 253 Broadway, New York *See adv index at end of book*
Ulmer Theo. C., Richmond & E Col., Philadelphia, Pa.

13921— Spikes (Marline)

LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
WILCOX, CRITTENDEN & CO., INC., 444 So. Main, Middletown, Conn.

13922-3—Spikes (Railroad Track)

Am. Spike Co., Inc., 55 Liberty, New York
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
AMES W. & CO., Jersey City, N. J.
Atlantic Steel Co., Atlanta, Ga.
Bethlehem Steel Co., So. Bethlehem, Pa.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Colorado Fuel & Iron Co., Denver, Colo.
Davis Bros., N 29th & Bristol, Phila., Pa.
Dilworth, Porter & Co., Ltd. ("Goldie"), 4th & Bingham, Pittsburgh, Pa.
Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*
Fisher C. W., 52H Broadway, New York
Fishel & Marks Co., Ft. of Krakow av, Cleveland, O.
See adv index at end of book
Frick & Lindsay Co. (Dlrs.), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Illinois Steel Co. (Chisel Pointed and Screw Spikes), 208 S La Salle, Chicago, Ill.
Inland Steel Co. (Open Hearth Steel), 38 S Dearborn, Chicago, Ill.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Jones & Laughlin Steel Co., Ross, Pittsburgh, Pa.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Kokomo Steel & Wire Co., Kokomo, Ind.
LARKIN & CO., J. K., 253 Broadway, New York *See adv index at end of book*

J. K. LARKIN & CO.

253 Broadway
NEW YORK

Lebanon Iron Co., Dept. H, Lebanon, Pa.
Levis Henry & Co., 303 Commercial Trust bldg, Phila., Pa.
North Pacific Spike Co., 272 Hoyt, Portland, Ore.
Oliver Iron & Steel Co. (Screw), S 10th & Muriel, Pittsburgh, Pa.
Pidgeon-Thomas Iron Co., Memphis, Tenn.
Pittsburgh Gage & Supply Co. (Jobbers), 30th & Liberty av, Pittsburgh, Pa.
Republic Supply Co. (Jobbers), 123 Water, Pittsburgh, Pa.
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
Scranton Bolt & Nut Co., Scranton, Pa.
Severence S. Mfg. Co., 3d, Pittsburgh, Pa.
Starke Adolph (Est. of), Columbia & Sigourney, Brooklyn, N. Y.
SWEET'S STEEL CO., Williamsport, Pa.
Topping Bros., 156 Varick, New York
See adv index at end of book
Track Specialties Co., Inc. (Dlrs.), 3-4-6 Morris, New York
Tredegar Co., ft. of 5th, Richmond, Va.

13924— Spikes (Screw)

Bethlehem Steel Co., So. Bethlehem, Pa.
Illinois Steel Co. (Track), 208 S La Salle, Chicago, Ill.
LARKIN & CO. J. K., 253 Broadway New York
See adv index at end of book
Pittsburgh Forge & Iron Co., Chamber of Commerce bldg, Pittsburgh, Pa.
Steel Car Forge Co., Frick bldg, Pittsburgh, Pa.

13924a— *Spikes (Shimming)

American Steel & Wire Co., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Ames W. & Co., Jersey City, N. J.

13925— Spikes (Ship, Dock & Bridge)

American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
AMERICAN STEEL & WIRE CO. (Square Boat), 208 S La Salle, Chicago, Ill.
See adv index at end of book
AMES W. & CO., Jersey City, N. J.
Bethlehem Steel Co., So. Bethlehem, Pa.
Colorado Fuel & Iron Co., Denver, Colo.
Davis Bros., 29th & Bristol, Phila., Pa.
Dilworth, Porter & Co., Ltd. (Steel), 4th & Bingham, Pittsburgh, Pa.
Fisher C. W., 52H Broadway, New York
HARRY L. C. CO., 114 Liberty, New York
Harry L. C. Co., 114 Liberty, New York
Hoopes & Townsend Co., Broad & Buttonwood, Philadelphia, Pa.
Jones & Laughlin Steel Co., Ross, Pittsburgh, Pa.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
Kansas City Bolt & Nut Co., Kansas City, Mo.
La Belle Iron Works, Steubenville, O.
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
North Pacific Spike Co., 272 Hoyt, Portland, Ore.
Norton Iron Works, Ashland, Ky.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pittsburgh Rivet Co., 38th & Junction R. R., Pittsburgh, Pa.

Republic Iron & Steel Co., Youngstown, O.
See Branch Offices Alphabetical Section
St. Louis Screw Co. (Black & Galvanized), Clarence av, E St. Louis, Mo.
Schaper Construction Material Co., 90 West, New York
Scott, Sugden & Lamont (Hot Gal. & Black), Monadnock bldg, San Francisco, Cal.
Scranton Bedding Co., 1031 Capouse, Scranton, Pa.
Severence S. Mfg. Co., 3d, Pittsburgh, Pa.
Tredegar Co., ft. of 5th, Richmond, Va.
Tremont Nail Co., West Wareham, Mass.
Williams & Wells Co., 253 Fulton, New York *See adv index at end of book*

Spikes (Track)

See Spikes, Railroad Track

Spikes (Wharf)

See Spikes, Ship, Dock & Bridge

13926— Spikes (Wire)

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Crawfordsville Wire & Nail Co., Crawfordsville, Ind.
Efficiency Electrric Co., E Palestine, Ohio
Fisher C. W., 52H Broadway, New York
Gulf States Steel Co., Birmingham, Ala.
Kelly Nail & Iron Co., Ironton, O.
Kokomo Steel & Wire Co., Kokomo, Ind.
LARKIN J. K. & CO., 253 Broadway, New York *See adv index at end of book*
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Washburn Co. (Wire Goods Div.), 28 Union, Worcester, Mass.
Youngstown Sheet & Tube Co. ("Youngstown"), Youngstown, O.

13927— *Spikes (Wood)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

13927a— Spindles (Carriage)

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Stevenson Mfg. Co. (Also Wagon Seat), South Bend, Ind.
See adv index at end of book

13928— Spindles (Clamp)

Stow Mfg. Co. Inc., Binghamton, N. Y.
See adv index at end of book

13929—Spindles (Drill & Lathe)

AMERICAN HOLLOW BORING CO., 1055 W 19th, Erie, Pa.
Bay City Forge Co., 1820 Cranberry, Erie, Pa.
Cruse-Crawford Mfg. Co., 2101H Ave B, Birmingham, Ala.
Hammond Steel Co., Inc., Solvay, N. Y.
Horsburgh Forge Co., 17310 St. Clair, Cleveland, O.
Leard Wm. Co., 16th & 5th av, New Brighton, Pa.
National Forge & Tool Co., Irvine, Pa.
Titusville Forge Co., Titusville, Pa.

13929a—Spindles (Furniture)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

13930—Spindles (Machine Tool)

AMERICAN HOLLOW BORING CO., 1055 W 19th, Erie, Pa.
Bay City Forge Co., 1820 Cranberry, Erie, Pa.
Ex-Cell-O Tool & Mfg. Co. ("Parker High Speed" Internal Spindles), 1469 E Grand blvd, Detroit, Mich.
Hammond Steel Co., Solvay, N. Y.
Leard Wm. Co., 16th & 5th av, New Brighton, Pa.
Machinery Forging Co., Hamilton av & Marquette, Cleveland, O.
Ohio Forge Co. (Forged), Cleveland, O.
Pennsylvania Forge Co., Jenks & Bath, Philadelphia, Pa.
Vulcan Steam Forging Co., 251 Rano, Buffalo, N. Y.

13930a—Spindles (Screen Door)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

13931— Spindles (Wood)

Bogert & Hooper, Inc. (Carriage Furniture & Turned & Twisted Wood, etc.), 57 Barclay, New York
See adv index at end of book
Dann Bros. & Co., New Haven, Conn.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Frary Mfg Co., Charlemont, Mass.
Rowe Henry Mfg. Co., Newaygo, Mich.
Stevenson Mfg. Co. (Turned & Twisted, for Furniture, Carriages, etc.), South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

13932— Spinning (Metal)

Active Spinning & Sheet Metal Works, 15-17 W Kinzie, Chicago, Ill.

Active Spinning & Sheet Metal Wks.
Not Inc.
SHEET METAL SPECIALTIES
Spinning - Tinsmithing - Brazing - Polishing
Mfrs. of Scientific Apparatus
15-17 West Kinzie St., CHICAGO

American Metal Ware Co., 368 W Huron, Chicago, Ill.
Badger E. B. & Sons Co., 75 A Pitts, Boston, Mass. *See adv index at end of book*
Barlow Co., Holyoke, Mass.
Bassemir John & Son, 122 Centre, New York
Blickman Isidor, 299 Bowery, New York
Boekel Wm. & Co., 518 Vine, Phila., Pa.
Brass Fixtures Co., Southington, Conn.
Consolidated Mfg. Co., Dayton, O.
Crescent Brass Products Co., 3410H Lake av, Cleveland, Ohio
DAHLQUIST MFG. CO., 40 W 3d, So. Boston, Mass. *See adv index at end of book*
Detroit Metal Spinning Co., 625H Monroe av, Detroit, Mich.
Detroit Shipbuilding Co. (Brass Dept.), ft. Orleans, Detroit, Mich.
Eberhard Geo., 9 Calender, Providence, R. I.
Faber S. W., 147 S 5th, Brooklyn, N. Y.
Flint Elec. & Mfg. Co., Denver, Colo.
Fowler Lamp & Mfg. Co., 59 E 24th, Chicago, Ill.
Friedley-Voshardt Co. (Inc.) (Brass & Copper), 733 S Halsted, Chicago, Ill.
Gerstein Bros. & Cooper, 3 W 3d, So. Boston, Mass.
GEUDER, PAESCHKE & FREY CO. (In All Metals), 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Glaser A., 61 Frankfort, New York
Hergert Theo. E., 422 E 53d, New York
Howard Jas. L. & Co., Hartford, Conn.
Imperial Brass Mfg. Co., 1200 W. Harrison, Chicago, Ill.
Ireland & Matthews Mfg. Co., Beard & Chatfield, Detroit, Mich.
Kelker Blower Co. Inc., 2383 Fillmore av, Buffalo, N. Y.
See adv index at end of book
Klause Chas., 435 N Broad, Phila., Pa.
La Haye Mfg. Co., 1516 Folsom, San Francisco, Cal.
Magosy & Buscher, 118 Walker, New York
Metal Crafters (The), East Stroudsburg, Pa.
Metalite Co., 649 S Clarence, Los Angeles, Cal.
Miller & Doing, 60 York, Brooklyn, N. Y.
National Metal Spinning & Stamping Co., 176-180 Grand, New York
Naugatuck Mfg. Co., Naugatuck, Conn.
North Star Spinning & Mfg. Co., St. Paul, Minn.
Novelty Brass Works, 3775 Moneta av, Los Angeles, Cal.
Partenheimer Otto, 2 Howard, New York
Phila. Metal Stamping Co., 107H Erie, Camden, N. J.
Pittsburgh Lamp, Brass & Glass Co., 130 7th, Pittsburgh, Pa.
Portland Metal Spinning Works, 283 Hawthorne av, Portland, Ore.
Pritchard Stamping Co., Rochester, N. Y.
Providence Metal Spinning Co., 185 Eddy, Providence, R. I.
Reliance Metal Spinning & Stamping Co., Inc., 160 John, Brooklyn, N. Y.
Riverside Metal Co., Riverside, N. J.
ROBERTS STEAM SPECIALTY CO., 5318 St. Clair av, Cleveland, O.
Salch Bros., 205 LaFayette, New York
Schaefer Brass Mfg. Co., 815 Clark av, St. Louis, Mo.
Scovill Mfg. Co. (Brass & Bronze), Waterbury, Conn. *See adv index at end of book*
Scrannage Bros., 81 Dudley, Boston, Mass.
Skidd Chas. Mfg. Co., Kenosha, Wis.
Smith of N. Y. Co., 1 Franklin sq, New York
Standard Metal Spinning Co., 138 Mott, New York
Standard Plating Works, Inc., 268 First, San Francisco, Cal.
Union Spinning & Plating Co., 67 Sudbury, Boston, Mass.
WEBER BROS. METAL WORKS, 122 N Jefferson, Chicago, Ill.
See adv index at end of book
Weimer C. A., Lorain, O.

13933—Spirals for Concrete Columns

American System of Reinforcing ("Unit"), 10 S La Salle, Chicago, Ill.
Bourne Fuller Co., Hanna bldg, Cleveland, O.
Concrete Steel Co., 42 Broadway, New York
KALMAN STEEL CO. (Concrete Reinforced), 410 N Michigan av, Chicago, Ill.
Reinforced Concrete Co., St. Louis, Mo.
Republic Structural Iron Works Co., 1350 E. 53d, Cleveland, O.

13934— Spirits (Cologne)

American Spirits Mfg. Co., 25 B'way, New York
Jefferson Distilling & Denaturing Co., Harvey, La.
Standard Distilling & Distributing Co., 27 William, New York
United States Industrial Alcohol Co., 27 William, New York

13935— Spirits (Wood)

See also Alcohol, Wood
Georgia Pine Turpentine Co. of N. Y., 158 Perry, New York & Fargo, Ga.
Peninsular Naval Stores Co., Jacksonville, Fla.

13936— Spittoons (Railway)

Indiana Hollow Ware Co. ("Inter-Urban," for Street & Ry cars, with Adjustable Fastened Cover), Jeffersonville, Ind.

13937—Spittoons (Steel Factory)

See also Cuspidors
Cleveland Blow Pipe & Mfg. Co. (Wash Sinks), 6950 Kinsman rd, Cleveland, O.
Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
OHIO MFG. CO., P. O. Box 146, Painesville, O. *See adv index at end of book*

13938— Splicers (Cable)

American Mine Door Co., 2037 Dueber av S W, Canton, O.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Leschen A. & Sons Rope Co. (For Wire Cables), 920 N 1st, St. Louis, Mo.

13939—Splicers (Register, Bell & Trolley Cord)

Robertson Bros. Mfg. Co., 5405 S Western av, Chicago, Ill.
Wood Chas. N. Co. ("C. N. W."), 14 Federal, Boston, Mass.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

13939a—Splicers (Trolley Wire)

Electric Materials Co., North East, Pa.

13940— Splicers (Wire)

American Mine Door Co., 2037 Dueber av S W, Canton, O.
Electric Railway Equip't Co. ("Clark" & "K. I." Trolley), Cincinnati, Ohio
Ohio Brass Co. ("O. B." Trolley Wire), Mansfield, O.
Standard Railway Supply Co., 4229 Fergus, Cincinnati,, Ohio
Wagner Mfg. Co. ("Little Giant"), Cedar Falls, Ia.

13941—Splicers (Wire Fence)

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book

13941a—*Splints (Match & Kindergarten)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

13942— Splints (Surgeons')

ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*
Safety First Supply Co., 107 Third av, Pittsburgh, Pa.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Yucca Mfg. Co. ("Yucca-Palm"), 1380 Willow, Los Angeles, Cal.

13942a—*Splints (Wire Gauze)

Wickwire Spencer Steel Corp. ("Excelsior"), 41 E 42nd, New York
See adv index at end of book

13943— Splitters (Nut)

Carolus Mfg. Co., Sterling, Ill.
Whisler Mfg. Co. ("Whisler"), 515 W Main, Ottumwa, Iowa

13944—Spokes (Motor Cycle & Bicycle)

National Screw & Mfg. Co., 2440 E 75th, Cleveland, Ohio
See adv index at end of book

(Continued on following page)

Spokes (Motor Cycle & Bicycle)—Continued

TORRINGTON CO. THE STANDARD PLANT ("Diamond E," also Automobile), Torrington, Conn.
See adv index at end of book

BICYCLE—
MOTORCYCLE—
AUTOMOBILE—

SPOKES-NIPPLES

Swaged steel spokes for bicycle, motorcycle or automobile wheels —stronger than straight wire spokes and better looking.

THE TORRINGTON CO.
STANDARD PLANT
TORRINGTON, CONN., U. S. A.

13944a—Spokes (Wagon & Carriage Wheel)

Allen J. W., Scottsville, Ky.
Arkins Bros., Attoway, Va.
Armstrong Wm. H., South Coventry, Conn.
Avoca Wheel Co. (Hickory), Avoca, N. Y.
Bailey C. & Co., Elimsport, Pa.
Baldwin Bros. (Wagon), Ironton, Mo.
Baltimore Hub-Wheel & Mfg. Co., Fallsway & Gay, Baltimore, Md.
Beveridge & Taylor, Inc. (Wagon Only), Bristol, Tenn.
Bimel-Ashcroft Mfg. Co. of Arkansas, Dermott, Ark.
Bimel-Ashcroft Mfg. Co., Poplar Bluff, Mo.
Bimel Spoke & Auto Wheel Co., Portland, Ind.
Bookwalter Wheel Co., Miamisburg, O.
Breece Mfg. Co., Portsmouth, O.
Buckeye Handle, Gear & Bending Co., Alliance, O.
Buffington Wheel Co., Burlington, Ia.
Burroughs-Ross-Colville Co., McMinnville, Tenn.
Byrn J. W., Brownsville, Tenn.
Campbell M. R., Tullahoma, Tenn.
Cheney Bros. (Carriage), Jamaica, Vt.
Clark-Gay Mfg. Co., Little Rock, Ark.
Cone Jos. D., North Vernon, Ind.
Crane & MacMahon, Inc., St. Marys, O.
Doles Edwin E., Greensburg, Ind.
Donges John & Co., Hamilton, O.
Dresden Spoke Co., Dresden, Tenn.
Eberly & Orris Mfg. Co., Mechanicsburg, Pa.
Farmville Mfg. Co., Farmville, Va.
Fulton Conway & Co., Louisville, Ky.
Galloway-Kennedy Co., Clarendon, Ark.
Garrett Wm., Canandaigua, N. Y.
Gladding C. B., Geneva, O.
Graham Thos. & Co., Madison, Ind.
Hart Lumber & Mfg. Co., Inc., Martinsville, Va.
Hickson-Rogers Mfg. Co., Paragould, Ark.
Hinkel J. K. Mfg. Co. (Hickory), Mechanicsburg, Pa.
Holt Bros. Mfg. Co., Concord, N. H.
Hoopes Bro. & Darlington (Inc.), West Chester, Pa.
Keller & Tamm Mfg. Co., Victor & Levee, St. Louis, Mo.
Kelsey Horatio, Clinton, Conn.
Kerr L. S. D., Frenchtown, N. J.
Kingston Spoke Mfg. Co., Kingston, Ark.
Koller J. B. & Co., Mechanicsburg, Pa.
Lack Singletree Co., Paducah, Ky.
Lamb-Fish Lumber Co., Charleston, Miss.
Landis S. H. & Bro., Quakertown, Pa.
Lebzelter Phillip & Son Co., Lancaster, Pa.
Liles Bros., Forest, Miss.
Lindsay D. M., Newport, Tenn.
Little J. W., Paducah, Ky.
Longworth I. R. Co., Somerset, Ky.
Look & Lincoln, Marion, Va.
McGlone Bros., Morehead, Ky.
MacKinnon F. Mfg. Co. (Birch), Grand Rapids, Wis.
Manchester Mfg. Co., Manchester, Tenn.
Marianna Spoke Co., Marianna, Ark.
Medina Bending Works, Medina, O.
Minton T. W. & Son, Barbourville, Ky.
Ness Bros. & Co., York, Pa.
Ohio Spoke & Bending Co., Botkins, O.
Ort & Lang (Hickory), Vanceburg, Ky.
Pennock-Walter Mfg. Co., Algood, Tenn.
Petersburg Rim & Veneer Co., Petersburg, Va.
Peterson Samuel, Warren, Pa.
Pinneo & Daniels Co., Dayton, O.
Red Star Spoke Co., Fayettesville, Ark.
Reuter Hub & Spoke Co., Dexter, Mo.
Sanders Alva Spoke Factory, Ashland, Ky.
Schmidt & Stork Wagon Co., West Bend, Wis.
Seymour Mfg. Co., Seymour, Ind.
Shortsville Wheel Co., Shortsville, N. Y.
Shupp Homer A., Effort, Pa.
Small W. E. Spoke Mfg. Co., Corinth, Miss.
Southern Indiana Mfg. Co., Birdseye, Ind.
Southern Spoke & Mfg. Co., Shelby, Miss.
Southern Wheel Stock Co., Ironton, O.
Sparta Spoke Factory, Sparta, Tenn.
Spring Valley Spoke, Stave & Heading Co., Spring Valley, Wis.
Standard Wheel Co., Terre Haute, Ind.
Stevens A. E. & Co., Portland, Me.
Stinson Edward Mfg. Co., 337 Guilford, Baltimore, Md.
Tell City Spoke Co., Tell City, Ind.
Thomasville Spoke Works Co., Thomasville, N. C.
Turnbull Motor Truck & Wagon Co. (Wagon Wheel), Defiance, O.
Union Spoke & Bending Co., Union City, Ind.
Von Behren Mfg. Co., Evansville, Ind.
Wheel & Wood Bending Co., 241 John, Bridgeport, Conn.
Wheetley Spoke Co., Wheetley, Ark.
Whitaker Bros. Co. (Also Auto), Meridian, Miss.

13945— Sponge Rubber

Cigol-Behrens Rubber Co., Lodi, N. J.
Empire Tire & Rubber Corp., Trenton, N. J.
Faultless Rubber Co. (For Stamp Makers), Ashland, O.
Featheredge Rubber Co. ("Featheredge"), 340 W Huron, Chicago, Ill.
Goodrich B. F. Co. (For Rubber Stamps, etc), Akron, O.

13946— Sponges

Am. Sponge & Chamois Co., 47 Ann, New York
Bartlum Geo. L. (Sponge Shipper), Key West, Fla.
Block Joseph (Inc.) (Imp), 51 Cliff, New York
Blum R., 112 High, Boston, Mass.
Borgfeldt Geo. & Co., 16th & Irving pl, New York
Burk Wm. B. & Co., (Importers), 6th & Arch, Philadelphia, Pa.
Braun-Knecht-Heimann Co. (unbleached), 576-584 Mission, San Francisco, Cal.
Cheyney John K., Tarpon Springs, Fla.
Ettman H. L. Sponge Co., 1112 Pine, St. Louis, Mo.
Fossol John & Co., Tarpon Springs, Fla.
Greek-American Sponge Co., 300 W Randolph, Chicago, Ill.
Isaacs A. & Co. (Imp), 58 Beekman, New York
Kerner W. R. & Co. ("Kerner's Work-Rite"), 1329 Thorndale, Chicago, Ill.
Lampel F. L., 315 Locust, St. Louis, Mo.
Lasker & Bernstein (Imp), 23 Beekman, New York
Leousi, Clonney & Co., 39 Walker, New York
Louden & Hill, 624 Arch, Philadelphia, Pa.
Moses A. Sons & Co., 112 Murray, New York
Nassau Sponge Co., 234 W Lake, Chicago, Ill.
National Sponge & Chamois Co., 158 William, New York
Niehaus Jos. Co., 341 W 4th, Cincinnati, O.
Popper-Addison Co., 118 E Court, Cincinnati, O.
Rhodes Jas. H. & Co. (Producers & Bleached), 2310 S Albany av, Chicago, Ill.
WILLIAMS & WELLS CO. (Loofah), 253 Fulton, New York
See adv index at end of book

13946a1—Sponges (Filtering)

WILLIAMS & WELLS CO., 253 Fulton, New York. *See adv index at end of book*

13946a— Sponges (Loofah)

China & Japan Trading Co., 115 Broad, New York
Nagase D. & Co., 120 B'way, New York
WILLIAMS & WELLS CO., 253 Fulton, New York. *See adv index at end of book*

13947— Sponges (Rubber)

Faultless Rubber Co., Ashland, O.
Featheredge Rubber Co., 408 W Grand av, Chicago, Ill.
Mattson Rubber Co., Lodi, N. J.
Miller Rubber Co., Akron, O.

Spool Mfrs.

See Textile Machinery, Supplies, Etc

13948— Spools (Belting)

Estes E. B & Sons, 364 5th av, New York
See adv index at end of book
Wonder Spool Co., 13H Wormwood, Boston, Mass.

13949—Spools (Cord, Electric Wire)

McGill Mfg. Co. ("Universal"), 77 Oak, Valparaiso, Ind.
Wonder Spool Co., 13H Wormwood, Boston, Mass.

13950-1—Spools (Field Magnet)

Hemming Mfg. Co., Garfield, N. J.
Vulcanized Products Co. ("Gohmak" Wood Pulp), Muskegon, Mich.

13952— Spools (Metal)

American Pulley Co. (Pressed Steel), 114 S Clinton, Chicago, Ill.
Mossberg Frank Co. (Stamped Steel for Annealing, Spooling-Wire, Cordage, Chain, etc), Attleboro, Mass.
Zeigler Mfg. Co., Alexandria, Ind.

13952a—Spools (Typewriter Ribbon)

Syracuse Stamping Co., Inc. (Special), 433 S West, Syracuse, N. Y.

13952b— Spools (Wire)

Avoca Mfg. Co., Avoca, N. Y.
Macrodi Fibre Co., Woonsocket, R. I.
Wonder Spool Co., 13H Wormwood, Boston, Mass.

13953— Spools (Wooden)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

Est. 1847 **E. B. ESTES & SONS**

Manufacturers of

SPOOLS

For Silk and Cotton Thread
Cordage, Wire, etc.

364 Fifth Avenue NEW YORK CITY

Nashua Spool & Bobbin Co., Haverhill Natl. Bank bldg, Haverhill, Mass.

13954— Spoons (Aluminum)

Aluminum Goods Mfg. Co., Manitowoc, Wis.
Glogau & Co., Great Lakes bldg, Chicago, Ill.
Wagner Mfg. Co. ("Wagner" Cast Aluminum), Dept. H, Sidney, O.

13955—Spoons (Basting & Mixing)

Blancke A. C. & Co., 602 W Lake, Chicago, Ill.
Browne W. G. Mfg. Co., Kingston, N. Y.
Buckeye Aluminum Co. ("Real Solid" Aluminum), Wooster, O.
Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Fisher Adam Mfg. (Combines an Egg Separator, Cake Mixing Spoon & Nutmeg Grater), 3624 Enright, St. Louis, Mo.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Peoria Can Co. (Mixing Only), Peoria, Ill.
Potter Mfg. Co. ("Potter"), Geneva, O.
White Ira F. & Son Co. (Perforated, Slotted, "Whirlpool"), Bloomfield, N. J.

13956—Spoons (Chafing Dish)

Rochester Stamping Co., Rochester, N. Y.

13957— Spoons (Digging)

See also Shovel & Spade Manufacturers
Ames Shovel & Tool Co. (Telegraph, etc), Ames bldg, Boston, Mass.
Beall Bros., Alton, Ill.
Columbus Handle & Tool Co., Columbus, Ind.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Indiana Shovel Co., New Castle, Ind.
Pfeifer Jno. & Co. (Ltd.), 222 Race, Phila., Pa.
Pittsburgh Shovel Co., Oliver bldg, Pittsburgh, Pa. Works: Leechburg, Pa.
Ransome Concrete Machinery Co., Dunellen, N. J.; 165 Broadway, New York
Wyoming Shovel Works, Wyoming, Pa.

13958— Spoons (Drossing)

Wilfong Millard F. Iron Works Co., 52nd & Gray's av, Phila., Pa.

13959— Spoons (Ice Cream)

Ammidon & Co. ("Amico"), 31 S Frederick, Baltimore, Md.
Fidelity Can Co. (Tin), 600H S Caroline, Baltimore, Md.
Giles & Nielsen Nickel Works, Troy, N. Y.
Grammes L. F. & Sons (Tin, Wood, Fibre), 311 Union, Allentown, Pa.
See adv index at end of book
National Enameling & Stamping Co. (Forged, Re-Tinned Wooden Handle), 411 5th av, New York
Steel & Tin Products Co., 2100H Aliceanna, Baltimore, Md.

13960— Spoons (Ladle)

Washburn Company, Cassady Fairbank Div., 6126 S. La Salle, Chicago, Ill.

13961-2—Spoons (Miners')

Hardsocg Mfg. Co., Ottumwa, Ia.

13963— Spoons (Paper)

Atlas Mfg. Co. (Ice Cream, etc), 125 Water, New Haven, Conn.

13964— Spoons (Pitting)

Carmichael David, Sacramento, Cal.
Emrich Phil., 324 Main, Cincinnati, O.
Ontario Knife Co. ("California"), Franklinville, N. Y.

13964a— Spoons (Platinum)

Baker & Co., Inc., 54 Austin, Newark, N. J.
Bishop J. & Co., Platinum Wks., Malvern, Pa.

13965— Spoons (Skimming)

Washburn Company, Cassady Fairbank Div., 6126 S. La Salle, Chicago, Ill.

13966-7—Spoons (Strainer)

Washburn Company, Cassady Fairbank Div., 6126 S. La Salle, Chicago, Ill.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Weyerhaeuser Timber Co., Everett, Wash.

Spoons (Table, Silver & Silver Plated)

See Silverware, Table

13968— Spoons (Tinned)

Am. Tube & Stamping Co., Bridgeport, Conn.
Ammidon & Co. ("Amico" Ice Cream), 31 S Frederick, Baltimore, Md.
Atlas Mfg. Co. (Ice Cream), 125 Water, New Haven, Conn.
Benedict Mfg. Co., East Syracuse, N. Y.
Washburn Company, Cassady Fairbank Div., 6126 S. La Salle, Chicago, Ill.
Central Stamping Co., 206 B'way, New York
Dover Stamping & Mfg. Co., Cambridge, Mass.
Grasberger B. A. & Co., 820 W Moore, Richmond, Va.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Lisk Mfg. Co. (Anti-Rust), Canandaigua, N. Y.
National Enameling & Stamping Co., 411 5th av, New York
Parker Chas. Co., Meriden, Conn.
Peoria Can Co. (Ice Cream), Peoria, Ill.
Russell J. Cutlery Co., Turners Falls, Mass
Wallace R. & Sons Mfg. Co., Wallingford, Conn.

13969—Spoons (Wood Handle)

Potter Mfg. Co. (Egg, Cake, etc.), Geneva, Ohio

13970— Spoons (Wooden)

Bogert & Hopper, Inc. (Mustard, etc.), 57 Barclay, New York
See adv index at end of book
Chapman-Sargent Co., Piqua, O.
Estes E. B. & Sons (Mustard, etc.), 364 6th av, New York
See adv index at end of book
Munising Woodenware Co., Piqua, O.
Peirce W. E. & Co., Milford, N. H.
Richardi & Bechtold, Bellaire, Mich.

13970a—Sporting Goods (Wood)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Lurie John, Inc., 1789 Broadway, New York

13971—Sporting & Athletic Goods Mfrs.

See also the Specified Article Required

Athletic Wear Mfg. Co., 1003 Springfield, Newark, N. J.
Ball Supply Co. (Dirs.), 377 King, Charleston, S. C.
Brauer Bros. Mfg. Co. ("Moose" Brand of Leather Sporting Gun Goods), 817 N 17th, St. Louis, Mo.
Brauer, Reuter & Brauer Co., 1358 E 7th, Los Angeles, Cal.
Buchheimer Geo. H., 508H Sann, Baltimore, Md.
Burhans & Black, Incc. (Dirs.), 136 N Salena, Syracuse, N. Y.
Consolidated Belting Co. (Leather), Germantown av & Berkly, Phila., Pa.
Draper Maynard Co., Plymouth, N. H.
Dudley Chas. H. (Complete Equipment for Base & Foot Balls, Tennis, Gymnasium, etc), Hanover, N. H.
Edwards & Walker Co. (Dirs.), 5 Monument sq, Portland, Me.
Elmira Arms Co. (Jobbers), N Main, Elmira, N. Y.
Giant Mfg. Co. (Jobbers), Council Bluffs, Iowa
Goldsmith's P. Sons, Findlay & Charlotte, Cincinnati, Ohio
Goodrich B. F. Co. (Rubber Goods for Baseball, Golf, Tennis, etc), Akron, Ohio
Hamilton Hardware Corp., Waterbury, Conn.
Hellenberg J. B. Co. (Indian Clubs, Dumbbells, Horizontal Bars, Ten Pins & Indoor Sporting Goods), Coldwater, Mich.
Hill Richard F., 219 High, Newark, N. J
Hillerich Bradsby Co. ("Louisville Slugger" Bats), Louisville, Ky.
Hirsch-Weis Mfg. Co. ("Rose City" Brand Outing Clothing), 205 Burnside, Portland, Ore.
Hoegee Wm. H. Co. Inc. ("Sampson" Golf & Tennis Goods, Athletic Clothing), 138 S Main, Los Angeles, Cal.
Hygienic Fleeced Underwear Co. (Suits, Sweaters, Coats, Stockings, etc.), 2415 Howard, Philadelphia, Pa.
Jarvis W. B. Co. ("Ty Cobb" Baseball, Tennis & Athletic Goods), Grand Rapids, Mich.
JOHNSON J. W. (Snow White Paint for re-painting Golf Balls), Neu Artz bldg, Rochester, N. Y.
Johnson's Iver Arms & Cycle Works, Fitchburg, Mass.
Keenan Thos. R. (Racing Boats & Shells), 249 Jefferson, San Francisco, Cal.
King & Dexter Co. (Dirs. Athletic Goods), 11 Monument sq, Portland, Me.
Leacock Sporting Goods Co. (Baseball, Golf & Tennis Goods), 921 Locust, St. Louis, Mo.
Lee Harry C. & Co. (Tennis & Golf Specialties), 10 Warren, New York
Levinson Sol. (Boxing Gloves, Striking Bags, Head Gears, Leather Cup Protectors), 1028 Market, San Francisco, Cal.
Little John T. Co. (Jobbers), 110 Washington, Spokane, Wash.
McLaughlen, Bundy & Sinsbaugh, 545 S Spring, Los Angeles, Cal.
Mandl Bernard (Clothing), 212 W Madison, Chicago, Ill.
May F. P. Hdwe. Co. (Dirs.), 460 C, N. W Washington, D. C.
Muebling John C., 847 Penn, Reading, Pa.
Murta Appleton Co. (Jobbers), Dept. H, 12th & Sansom, Phila., Pa.
New York Sporting Goods Co., 95 Chamber, New York
Peach J. A., Gloversville, N. Y.
Peerless Exerciser Co. ("Five-in-One" Spring Exerciser), 133 Pearl, Brooklyn, N. Y.
Rawlings Mfg. Co. ("Reynolds" Catchers' Mitts), 23d & Lucas av, St. Louis, Mo.
Raymond Glove Co. (Leather Sports Wear), 1440 E Minor, Stockton, Cal.
Reach A. J. Co., Tulip & Palmer, Philadelphia, Pa.
Rome Sporting Goods Mfg. Co., Rome, N. Y.
Schlatter C. C. & Co. (Dirs.), Fort Wayne, Ind.
Schovering, Daly & Gales (Dealer), 302 B'way, New York
Sharp & Smith (Jockey Straps), 65 E Lake, Chicago, Ill.
Shepherd J. D. Shoe Co. (Shoes Only), Great Lakes bldg, Chicago
Smith W. H. Hdwe. Co. (Jobbers), Parkersburg, W. Va.
Spalding A. G. & Bros. (Full Line), 105 Nassau, New York
Stall & Dean Mfg. Co. (Everything for Baseball, Football, etc), Brockton, Mass.
Stratton & Terstegge Co. (Jobbers), 15th & Main, Louisville, Ky.
Surgical & Athletic Wear Mfg. Co. ("Ace"), 85 Springfield av, Newark, N. J.
Treinis Bros. (Athletic Clothing), 32 33rd, Brooklyn, N. Y.
Triangle Sporting Goods Co., 239 Walnut, Cincinnati, O.
Tryon Edw. K. Co. (Baseball Goods, etc), 817 Arch, Phila., Pa.
Utica-Duxbak Corp. (Mackinaws & Sporting Garments), Utica, N. Y.
Victor Sporting Goods Co., 68 Birnie, Springfield, Mass.
Wagner Bros. Hardware Co. (Jobbers), Hazleton, Pa.
Weed Lewis M. Co., Inc., Binghamton, N. Y.
Western Sporting Goods Mfg. Co., 126 N Union av, Chicago, Ill.
Whitely Exerciser Co., 258 B'way, New York
Wilson Thos. E. & Co. (Discus, Cage, Medicine, Striking & Volley Balls), 701 N Sangamon av, Chicago, Ill.
Winchester-Simmons Co., 9th & Spruce, St. Louis, Mo.
Wright & Ditson, 344 Washington, Boston, Mass.
Ypsilanti Garment Shop, Ypsilanti, Mich.

13972— Spouts (Bung)

Kraft A. C. ("Wilson"), 323 W Lake, Chicago, Ill.
Redlich Mfg. Co., 637 to 647 W Oak, Chicago, Ill.

13973— Spouts (Can)

Consolidated Fruit Jar Co., New Brunswick, N. J.
Famasco Distributing Co. ("All-Way" Flexible), 694 Main, Buffalo, N. Y.
Marsh Mfg. Co. (Spouts & Faucets for Tin Cans), 122 William, New York
Mooers-Wright Co. ("Beacon" Flexible), 225 5th av, New York
Sexton Can Co. ("Sexton's" Swivel), 123 Broad, Boston .Mass.

13974—*Spouts (Coaling Station)

Brown Hoisting Machinery Co., The, 4403 St. Clair, N E Cleveland, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Metal Products Corp., 49 Chestnut, Weehawken, N. J.
Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.

13975— Spouts (Grain)

Great Western Mfg. Co., Leavenworth, Kan.
Kelker Blower Co., Inc. (Loading), 2383 Fillmore av, Buffalo, N. Y.
See adv index at end of book
Kewanee Implement Co., Kewanee, Ill.
Stephens-Adamson Mfg. Co. ("S-A" Elevator), Aurora, Ill.

13975a— *Spouts (Magnetic)

DINGS MAGNETIC SEPARATOR CO., 616 Smith, Milwaukee, Wis.
See adv index at end of book

13976— Spouts (Sap)

Am. Can Co. ("Record"), 120 Broadway, New York *See adv index at end of book*
Badger E. B. & Sons Co., 63-75 Pitts, Boston, Mass.
Breck James & Sons Corp., 51 N Market, Boston, Mass.
Foster Harry H., Cabot, Vt.
Franklinville Canning Co. ("Anchor"), Franklinville, N. Y.
Grimm G. H., Rutland, Vt.
Hunting Co. ("Willis"), Watertown, N. Y.
Wilcox, Crittenden & Co., Inc. ("Posts" & "Stelle's Eureka"), 444 S Main, Middletown, Conn. *See adv index at end of book*

SAP SPOUTS
POST & STELLE'S EUREKA
Galvanized Iron; good for a life time. Patent air trap stays full, and seals the bore. No souring, drying up or reboring. The flanges of the Ribbed Shank allow freer flow of sap. Open channel of spout thaws out quickly. Their use means greater quantity and better quality of sap, as they draw from the outside of the tree.
WILCOX, CRITTENDEN & CO., INC.
Dept. F, Middletown, Conn.

13976a— *Spouts (Wood)

ESTES E. B. & SONS, 364 5th av, New York. *See adv index at end of book*

13976b— Spray Cooling Systems (Water)

Anthony Co. ("Anthony," "Neubulyte"), 138H West av, Long Island City, N. Y.
Badger E. B. & Sons Co., 75A, Pitts, Boston, Mass. *See adv index at end of book*
BINKS SPRAY EQUIPMENT CO., 3129 Carroll av, Chicago, Ill.
COOLING TOWER CO., INC. (THE), 15 John, New York
See adv index at end of book
Schutte & Koerting Co., 1251 N 12th, Phila., Pa. *See adv index at end of book*
Yarnall Waring Co., Chestnut Hill, Phila., Pa.

13976c—Spray Nozzles (Water Cooling)

Anthony Co. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.
BINKS SPRAY EQUIPMENT CO., 3129 Carroll av, Chicago, Ill.
Brown E. C. Co., Rochester, N. Y.
COOLING TOWER CO., INC. (THE), 15 John, New York
See adv index at end of book
MacLeod Co. (Hand & Power), 2227 Bogen, Cincinnati, O.
See adv index at end of book
Meyers F. E. & Bro. (Automatic Pressure Controller, "Myers" Special Spray Outfits), 900 Fourth, Ashland, O.
Schutte & Koerting Co. ("Multi-Spray"), 1251 N 12th, Phila., Pa.
See adv index at end of book


Multi-Spray Type; large capacity; low operating pressure; maximum cooling results. *Catalog 5-N.*
Schutte & Koerting Co.
1251 North 12th Street
Philadelphia, Pa.

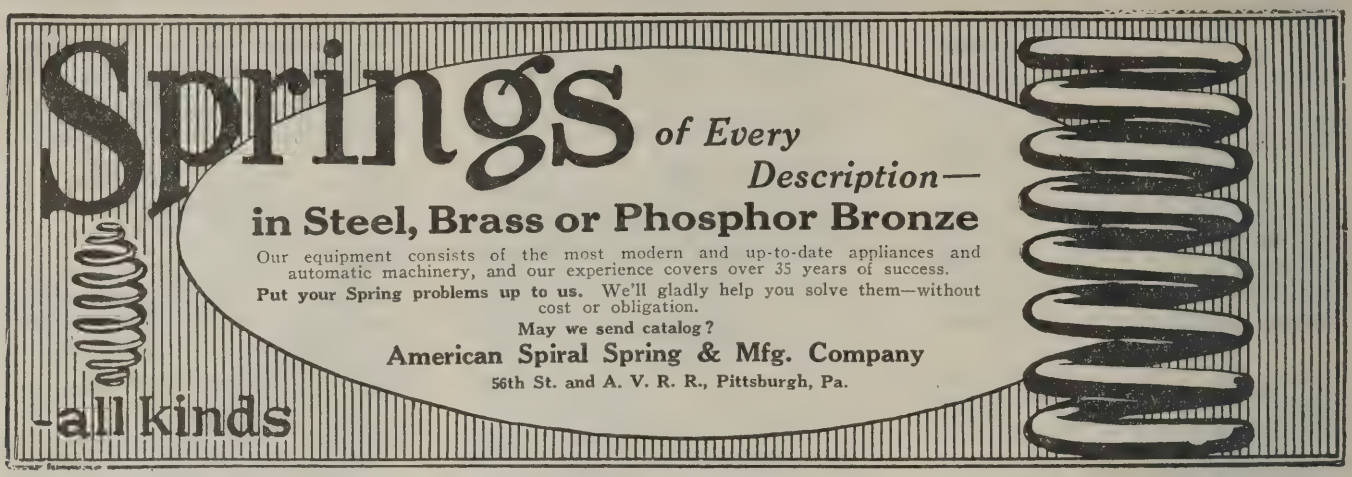
Stahl Wm. Sprayer Co., Quincy, Ill.

13976d— Spray Outfits

Anthony Co. ("Anthony" "Nebulyte"), 138H West av, Long Island City, N. Y.
Badger E. B. & Sons Co., 75A Pitts, Bostou, Mass. *See adv index at end of book*
Bean Spray Pump Co., W Julian, San Jose, Cal.
Myers F. E. & Bro. (Automatic Pressure Controller "Myers" Special Spray Outfits), 950 Orange, Ashland, O.
See adv index at end of book

13977—*Sprayers (Blacking Swab)

Hudson Mfg. Co., 324 3d av N, Minneapolis, Minn.
MAC LEOD CO., 2227 Bogen, Cincinnati, Ohio *See adv index at end of book*



13977a— Sprayers (Cart)

DEMING CO. ("Planters," "Gardners' Choice," "Farmers' Friend"), Salem, Salem, O. *See adv index at end of book*

13977b—Sprayers (Cooperage Coating)

Eureka Machine Co., Cleveland, O.

13977c—Sprayers (Garden, Orchard, etc.)

Aspinwall Mfg. Co., Jackson, Mich.
Bean Spray Pump Co. (Orchard), W Julian, San Jose, Cal.
Brandt Mfg., Co. ("Simplex," "Brandt," "Perfection"), 310 3rd av N, Minneapolis, Minn.
California Sprayer Co. (Dust), 6001 Pasadena av, Los Angeles, Cal.
Champion Potato Machine Co. ("O. K. Champion" Four Row), Hammond, Ind.
Crown Mfg. Co., Phelps, N. Y.
Danforth Chemical Co. ("Dickey Duster," "B-D Sifter," "American Beauty"), Leominster, Mass.
Deming Co., Salem, O.
See adv index at end of book
Dust Sprayer Co., 1222 W 9th, Kansas City, Mo.
Eureka Mower Co. ("Eureka"), 1005H Hickory, Utica, N. Y.
Field Force Pump Co. ("Red Jacket," "Yellow Jacket," "Monarch Triplex" & "Gray Jacket" Potato Sprayers), Elmira, N. Y.
Hayes Pump & Planter Co. ("Hayes" Compressed Air), Galva, Ill.
Hudson Mfg. Co. ("Easy"), 324 3rd av, N, Minneapolis, Minn.
Lauson-Lawton Co. De Pere, Wis.
Lawrence-Bostwick Mfg. Co. (Ltd.) ("Star" Hand), Phelps, N. Y.
Leggett & Bro ("Champion," "Little Giant," "Jumbo"), 301 Pearl, New York
Lisk Mfg. Co. (Ltd.) ("Lisk" Hand), Canandaigua, N. Y.
McKenzie Mfg. Co. ("Egan," "La Crosse," "McKenzie"), La Crosse, Wis.
MacLeod Co., 2227 Bogen, Cincinnati, Ohio
See adv index at end of book
Myers F. E. & Bro. ("Myers" Mergers Wheelbarrow), 950 Orange, Ashland, Ohio *See adv index at end of book*
Splittostoser Mfg. Co. (Potato), North Branch, Minn.
Stahl Wm. Sprayer Co., Quincy, Ill.
Stevens Mfg. & Foundry Co. ("Steltz"), Decatur, Ill.

13977d—Sprayers (Gasoline Engine Outfits)

Badger E. B. & Sons Co., 75A Pitts, Boston, Mass. *See adv index at end of book*
Bean Spray Pump Co., W Julian, San Jose, Cal.
Domestic Engine & Pump Co., Dept. H, Shippensburg, Pa.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

13978-9-80—Sprayers (Mine)

Am. Moistening Co. (To Prevent Explosions in Coal Mines), 251 Causeway, Boston, Mass.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Stine S. B., Osceola Mills, Pa.

Sprayers (Paint)

See Paint Sprayers, Also Painting Machines (Pneumatic)

Spraying Apparatus

See Pumps, Spraying; also Spraying Machines

13981—Sprays (Rubber Bath)

Boekel Wm. & Co. (Shampoo), 518 Vine, Phila., Pa.
Central Specialty Mfg. Co., 508 S Peoria, Chicago, Ill.
Seed Filter & Mfg. Co., 73 Franklin, New York
Tyer Rubber Co. ("Tyrian," Single & Double Faucet Connection), Andover, Mass.

13982— Sprays (Urinal)

ACHESON MFG. CO., Rankin, Pa.
See adv index at end of book
Perkes Chas., 627 Arch, Phila, Pa.
Speakman Supply & Pipe Co., Wilmington, Del.

13983— Sprays (Water, for Acid Chambers)

Badger E. B. & Sons Co., 75A Pitts, Boston, Mass. *See adv index at end of book*
Chemical Equipment Co. ("Ceco"), 2457 S Western av, Chicago, Ill.
Pratt Engineering & Machine Co., Atlanta, Ga.
Schutte & Koerting Co., 1251 N 12th, Phila., Pa. *See adv index at end of book*

13984— Sprays (Water, for Rock Drills)

INGERSOLL-RAND CO., 11 B'way, New York *See adv index at end of book*

13985— Spreaders (Automobile Spring)

Cincinnati Tool Co., Main & Waverly av, Cincinnati, O.

13986— Spreaders (Concrete)

MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

13987—Spreaders (Earth, Ballast & Snow Plow Combined)

Jordan O. F. Co. (Pneumatic), 333 S Michigan av, Chicago, Ill.
Western Wheeled Scraper Co., Farnsworth, Aurora, Ill.

Spreaders (Glue)

See Glue Spreading Machinery

13988— Spreaders (Lime)

Climax Corp., Dept. H, Batavia, N. Y.
Hench & Dromgold Co. ("Economic"), York, Pa.
Massey-Harris Harvester Co., Batavia, N. Y.
Ontario Drill Co., East Rochester, N. Y.

13989— Spreaders (Manure)

Appleton Mfg. Co. ("Appleton"), Batavia, Ill.
Bloom Mfg. Co., Nashua, Ia.
Climax Corp. ("Kemp Climax"), Dept. H, Batavia, N. Y.
Eagle Wagon Works, Auburn, N. Y.
Emerson-Brantingham Co. ("E.-B."), Low Down), Rockford, Ill.
Ertel Geo. Co., Quincy, Ill.
Galloway Wm. Co., Waterloo, Ia.
Harder Mfg. Co. ("Fearless"), Cobleskill, N. Y.
International Harvester Company of America (Inc.) ("International"), Harvester bldg, Chicago, Ill.
Johnston Harvester Co., Batavia, N. Y.
Litchfield Mfg. Co. ("Litchfield"), Waterloo, Ia.
Mandt Wagon Co., Stoughton, Wis.
Moline Plow Co. ("Flying Dutchman," "Moline" & Wagon Box), Moline, Ill.
New Idea Spreader Co. ("New Idea," "Lowest Low-Down," "Coldwater"), Coldwater, O.
Oliver Chilled Plow Works ("Black Hawk"), South Bend, Ind.
One Minute Mfg. Co., Newton, Ia.
Rock Island Plow Co. ("Great Western"), Rock Island, Ill.
Rude Mfg. Co., Liberty, Ind.
Sechler D. M. Implement & Carriage Co. ("Black Hawk"), Moline, Ill.
Superior Mfg. & Mill Co., Springfield, O.
Waterloo Gasoline Engine Co. ("Waterloo Boy"), 625 Miles, Waterloo, Ia.
Wood Walter A., Mowing & Reaping Machine Co. ("Fearless"), Hoosick Falls, N. Y.

13990-1—Spreaders (Rubber Mill)

American Tool & Machine Co. (For Coating Textile Fabrics), 10 High, Boston
Birmingham Iron Foundry ("Birmingham"), Derby, Conn.
New England Butt Co., 304 Pearl, Providence, R. I.
Vaughn Machinery Co., Cuyahoga Falls, O.

13992-3—Spreaders (Wire)

Line Material Co. (Arms & Wire Spreaders), So. Milwaukee, Wis.

13994—Springs (Agricultural Implement)

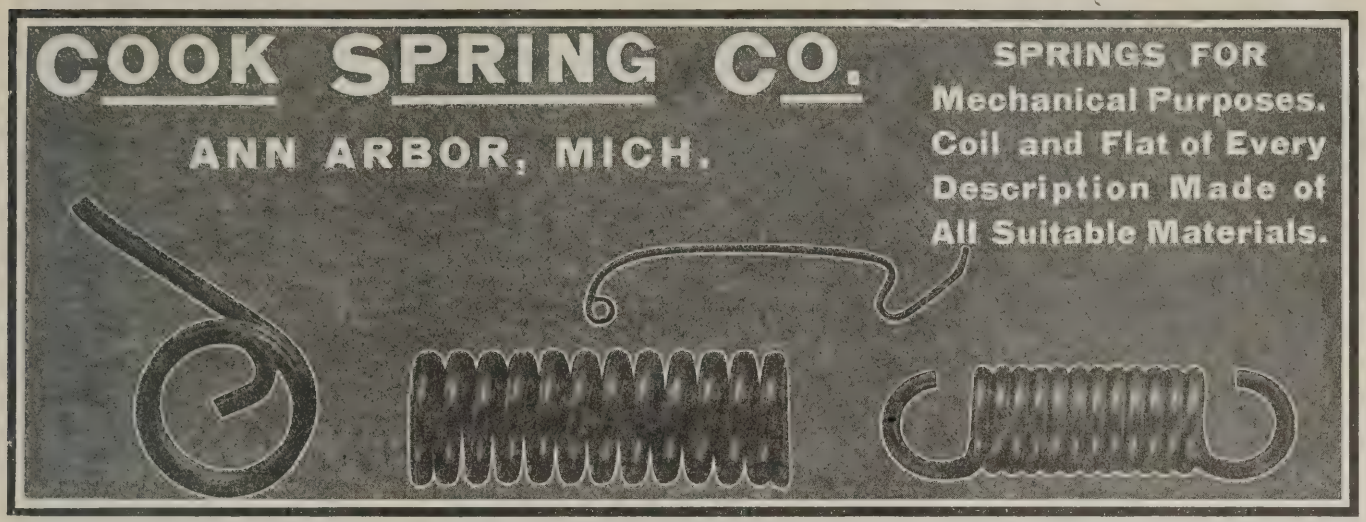
See also Springs, Machinery

American Spiral Spring & Mfg. Co., 5600 Harrison, Pittsburgh, Pa.
See adv index at end of book
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Babcock Mfg. Co., Leonardsville, N. Y.
Bethlehem Steel Co., Bethlehem, Pa.
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
CHICAGO COIL SPRING CO., 327 N Albany av, Chicago, Ill.
See adv index at end of book
Cleveland Wire Spring Co. (Wire), 1281 E 38th, Cleveland, O.
Cook Spring Co., Ann Arbor, Mich.
See adv index at end of book
Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.
Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, O. *See adv index at end of book*

Agricultural Implement SPRINGS
Also Wire Shapes and Special Springs
THE CUYAHOGA SPRING CO.
10253 BEREA RD., CLEVELAND, OHIO

DUER SPRING & MFG. CO. INC., Mulberry, McKees Rocks, Pa.
See adv index at end of book

Duer Spring and Mfg. Company
INCORPORATED
MANUFACTURERS OF
Springs of Every Description
P. O. BOX 1045
PITTSBURGH, PA.



Fort Pitt Spring & Mfg. Co., Dept. H, McKees Rocks, Pa.
Gibson, Wm. D. Co., 1800 Clybourn av, cor. Willow, Chicago, Ill.
See adv index at end of book
Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*
Lee Spring Co., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*
Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y.
See adv index at end of book
Newcomb Spring Co., 237 40th, Brooklyn, N. Y. *See adv index at end of book*
New York Wire & Spring Co., Uptown Box 6043, Hoboken, N. J.
See adv index at end of book
Pittsburgh Spring & Steel Co., 307 6th av, Pittsburgh, Pa.
Railway Steel Spring Co., 30 Church, New York
Raymond Mfg. Co., Corry, Pa.
See adv index at end of book
Sabin Machine Co., Montpelier, Vt.
Springfield Spring Co., Springfield, O.
STANDARD SPRING & MFG. CO., 237 42nd, Brooklyn, N. Y.
See adv index at end of book
Superior Spring Co., Springfield, O.
Union Spring & Mfg. Co., New Kensington, Pa.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Wilson Robt. P., 320 Market, Newark, N. J.

Springs (Air Brake)

See Springs, Coil or Spiral

13995—Springs (Automobile)

See also Springs, Various Kinds; also Shock Absorbers

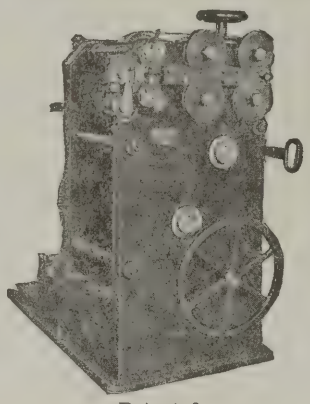
American Spiral Spring & Mfg. Co., 5600 Harrison, Pittsburgh, Pa.
See adv index at end of book
Austin & Smith Co. (Small), 164 Brewery, New Haven, Conn.
See adv index at end of book
Auto Parts Mfg. Co, Trombly & Orleans, Detroit, Mich.
Barnes-Gibson-Raymond, Inc., 6400 Miller av, Detroit, Mich.
See adv index at end of book
BARNES THE WALLACE CO., 18 Wallace, Bristol, Conn.
See adv index at end of book
Beans Spring Co. (& Truck), Massilon, O.
Best Spring Co. ("Currey Ball Bearing." Also Motor Truck), 28 Grand, Portland, Ore.
Betts Bros. Spring Co. (Also Truck), 1221 Mission, San Francisco, Cal.
Betts Spring Co. (Also Auto Truck), 888 Folsom, San Francisco, Cal.
California Spring Co., 1746 S Los Angeles, Los Anegeles, Cal.
Cambria Spring Co. ("Cambria"), 916 S Los Angeles, Los Angeles, Cal.
Cary Spring Works (Small), 240 W 29th, New York
CHICAGO COIL SPRING CO., 327 N Albany av, Chicago, Ill.
See adv index at end of book
Christie Alex & Co., Seattle, Wash.
Cleveland Wire Spring Co. (Wire), 1281 E 38th, Cleveland, O.
Cook Spring Co., Ann Arbor, Mich.
See adv index at end of book
Cooper Spring Co., Leader News bldg, Cleveland, O.
CUYAHOGA SPRING CO. (THE), 10253 Berea rd, Cleveland, O.
See adv index at end of book
Delany Daniel & Son, Hamilton, Newark, N. J.
Detroit Steel Products Co. ("Detroit" Truck), 2250 E Grand blvd, Detroit, Mich.
DUER SPRING & MFG. CO. INC., Mulberry, McKees Rocks, Pa.
See adv index at end of book
DUNBAR BROS. CO. ("Dunbar" Valve & Spiral), 80 South, Bristol, Conn.
See adv index at end of book
Earl Automobile Works, Los Angeles, Cal.
Eaton Axle & Spring Co., Central & 65th, Cleveland, Ohio.
Fifield Brothers Co. (Dirs.), 337 Water, Augusta, Me.
Fischer Chas. Spring Co., 240 Kent av, Brooklyn, N. Y.
Fort Pitt Spring & Mfg. Co., Dept. H, McKees Rocks, Pa.
Foster Bros. Manfg. Co., Dept. H, Utica, N. Y.
Garden City Spring Works, 2300 Archer, Chicago, Ill.
Harvey Spring & Forging Co., Racine, Wis.
Higgins Spring & Axle Co. (& Replacement Springs), Racine, Wis.
Hill-Smith Metal Goods Co. ("H.-S."), 82 Brookline av, Boston, Mass.
Hoover Spring Co. ("E. C." & "E. C. V."), 201-223 Franklin, San Francisco, Cal.
Humason Mfg. Co., Forestville Station, Bristol, Conn.
Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*
Iron City Spring Co., 2920 Smallman, Pittsburgh, Pa.
Jenkins Vulcan Spring Co., Richmond, Ind.
Kalamazoo Spring & Axle Co., Kalamazoo, Mich.
Keystone Spring Works ("Keystone"), 13th & Buttonwood, Philadelphia, Pa.
Laher Auto Spring Co. (Also Motor Truck), 15th & Couch, Portland, Ore.
LEE SPRING CO., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*
Liggett Spring & Axle Co., Monongahela, Pa.
Livermore Homer F. Inc., 85 Pearl, Boston, Mass.
Los Angeles Spring & Forge Co. (Also Truck Springs), 1948 S Los Angeles, Los Angeles, Cal.
Mather Spring Co. ("Mather Vanadium" & "Mather Crescent"), Toledo, O.
Merrill E. R. Spring Co., 530 W 28th, New York
MILLER & VAN WINKLE, INC. ("Eagle Brand" Springs of Every Description), 20 Bridge, Brooklyn, N. Y.
See adv index at end of book
Morgan Spring Co. ("Morosco" Boltless), 670 Golden Gate av, San Francisco, Cal.
National Spring Co., New Castle, Ind.
NEW YORK WIRE & SPRING CO. (All Kinds), Uptown Box 6043, Hoboken, N. J. *See adv index at end of book*
Newcomb Spring Co., 237 40th, Brooklyn, N. Y. *See adv index at end of book*
Otter Mfg. Co., Inc. (All Tempered, Flat & Spiral), 62 9th av, New York
Pacific Auto Spring Co., 1111 W Pico, Los Angeles, Cal.
Palmer Jos., 333 Rutherford av, Boston, Mass.
PECK SPRING CO., Plainville, Conn.
See adv index at end of book
Penn Spring Works, Baldwinsville, N. Y.
Pittsburgh Spring & Steel Co., 307 6th av, Pittsburgh, Pa.
Pneumatic Cushion Co., 179 Grove, San Francisco, Cal.
Power City Machinery Co., Spokane, Wash.
Pullau Steel Spring Co., Mt. Clemens, Mich.
Raymond Mfg. Co., Corry, Pa.
See adv index at end of book
Reynolds Spring Co. ("Rough Rider," "Advance"), Dept. H, Water at Bridge, Jackson, Mich.
Richards Albert J., 632 W Jefferson, Louisville, Ky.
Rowland Wm. & Harvey ("W. & H. Rowland"), Tacony & Lewis, Philadelphia, Pa.
Sheldon Axle & Spring Co. ("Sheldon," "Anchor" & "Dragon"), Wilkes Barre, Pa.
Shunk Mfg. Co., Bucyrus, O.
Springfield Spring Co., Springfield, O.
Spring Perch Co. (Pleasure & Truck), Bridgeport, Conn.
STANDARD SPRING & MFG. CO., 237 42nd, Brooklyn, N. Y.
See adv index at end of book
Sterling Spring Co. ("Sterling"), 2148 Scranton rd, Cleveland, O.
Superior Spring Co., Springfield, O.
Superior Steel Spring Co. (Suspension), Mt. Clemens, Mich.
Timms Spring Co., Elyria, Ohio.
Trenton Spring Mattress Co. (Cushion Springs), Trenton, N. J.
Tucker Bros. Mfg. Co., Auburn blvd, Sacramento, Cal.
Tuthill Spring Co. ("Titanic"), 760 Polk, Chicago, Ill.
Union Spring & Mfg. Co. (Coil & Elliptic), 1211 Fulton bldg., Pittsburgh, Pa.
United States Spring Co. (Also Auto Truck), 1120 S Los Angeles, Los Angeles, Cal.
Waterbury Welding Co., Waterbury, Conn.
Watertown Automobile & Supply Co., Watertown, N. Y.
West Coast Steel Co. ("Westcoste"), 1948 Pacific av, Tacoma, Wash.
WICKWIRE SPENCER STEEL CORP., 41 E. 42nd, New York
See adv index at end of book
Willys-Overland Co. (Cushion & Back), Toledo, Ohio
Wilson Spring Co. Inc., 320 Market, Newark, N. J.

13996— Springs (Bed)

Abbott John G. (Est. of), Antrim, N. H.
Acme Spring Bed & Mattress Co., Fort Smith, Ark.
Advance Bedding Co., La Crosse, Wis.
Advance Spring & Wire Co., 1749H Carroll av, Chicago, Ill.
American Bed Co., 1820 McNulty, St. Louis, Mo.
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Anchor Spring & Bedding Co., Nashville, Tenn.
Anderson Mattress & Spring Bed Co., Anderson, S. C.
Athens Mattress & Spring Bed Co., Athens, Ga.
Automatic Woven Wire Supply Co., Mangin & Delancey, New York
Barnes-Gibson-Raymond, Inc., 6400 Miller av, Detroit, Mich.
See adv index at end of book
Berger William & Co., 392 Florida, Milwaukee, Wis.
Bernstein Mfg. Co., 3d & Alleghany, Phila., Pa.
Billow-Firestone Co., Columbus, O.
Bloom & Godley Co., Trenton, N. J.
Boll Bros. Mfg. Co., Harrisburgh, Pa.
Bonnell E. M., Corry, Pa.
Brandt A. Upholstering Co., Fort Worth, Texas
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Brown Bed Mfg. Co., Kansas City, Mo.
Bunting J. R. Bedding Co., 1505 Wharton, Phila., Pa.
Carlson L. M., Grand Island, Nebr.
Carman Mfg. Co., H & 25th, Tacoma, Wash.
Carthage Superior Spring Bed Mfg. Co., Carthage, Mo.

(Continued on following page)

THE MACHINES THAT PUT THE "RINGS" IN SPRINGS



Patented.

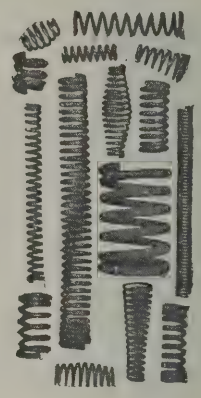
HIGH SPEED AUTOMATIC

SPRING COILING

and

WIRE COILING MACHINES

OF EVERY DESCRIPTION



We offer, for instance, UNIVERSAL SPRING COILERS such as are illustrated here, in ten different sizes of machines, handling oil-tempered wire from .004" to 5/8" diameter. Any of these machines will produce springs in all the forms shown above.

Sleeper & Hartley TRADE MARK REG U S PAT OFF & PRINCIPAL FOREIGN COUNTRIES

In general spring-making machinery we offer to the professional spring maker a range of more than forty standard machines for various purposes.

SLEEPER & HARTLEY, Inc., Worcester, Mass., U.S.A.

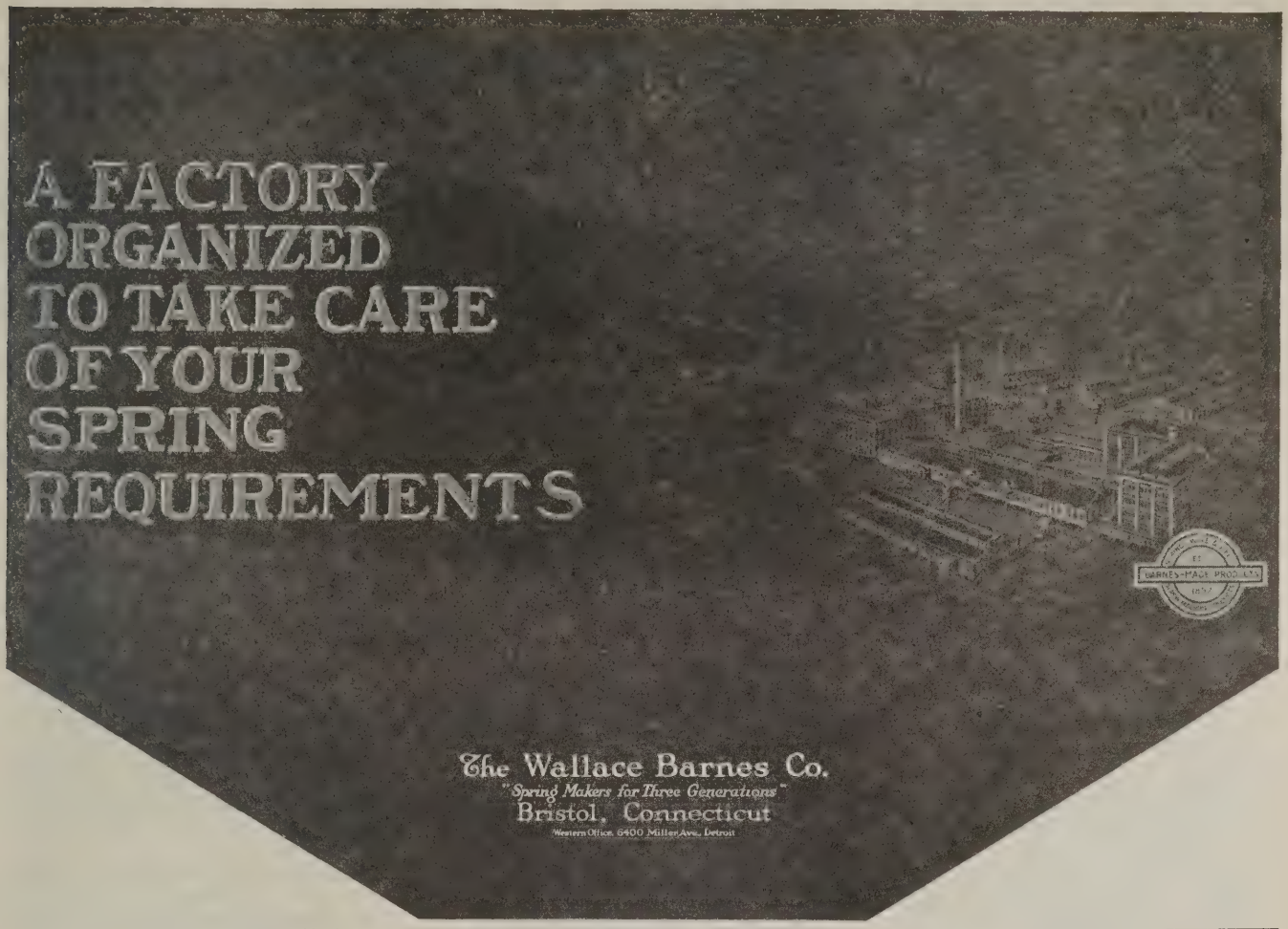
CANADIAN BRANCH, COATICOOK, QUEBEC

Springs (Bed)—Continued

Champion Spring Co., 6116 Park av, Cleveland, Ohio
Cleveland Wire Spring Co. (Wire Fabrics), 1281 E. 38th, Cleveland, O.
Clinton Furniture Co., Clinton, Ia.
Corry Bed Spring Co., Corry, Pa.
Cream City Bedding Co., 2209 Fond du Lac av, Milwaukee, Wis.
Crescent Bed Co., Ltd., 2662 Gravier, New Orleans, La.
Curtiss Bros., Richland, N. Y.
Deinzer Mfg. Co., 57 Catherine, Detroit, Mich.
Dow Co., 201H N Buchanon, Louisville, Ky.
Dubuque Mattress Factory, Dubuque, Ia.
Eckerson Bedding Co., Mechanicsville, N. Y.
Empire Spring Bed Works, Elmira, N. Y.
Englander Spring Bed Co., Johnson & Stewart avs, Brooklyn, N. Y.
Enterprise Bed Co., Hammond, Ind.
Evansville Metal Bed Co., 700 7th av, Evansville, Ind.
Evansville Surprise Bed Spring Co., Evansville, Ind.
Florida Spring Bed Mfg. Co., Jacksonville, Fla.
Fort Pitt Bedding Co., Dept. H, Liverpool & Preble avs, Pittsburgh, Pa.
Foster Bros. Mfg. Co. ("Fosterlink" & "Ideal"), Utica, N. Y.
Foster Bros. Mfg. Co., B'way & Buchanan, St. Louis, Mo.
Gallup & Lewis, Jackson, Mich.
Gangelhoff Bros., 909 S 2nd, Minneapolis, Minn.
Gasau-Thompson Co., 10 Ashland pl, Brooklyn, N. Y.
Gholstin Spring Mattress Co., Atlanta, Ga.
Gladstone Mattress Co., Huntington, W. Va.
Greenpoint Metallic Bed Co., Atlantia, Ga.
Haggard & Marcusson Co., 1109 W 37th, Chicago, Ill.
Hard Mfg. Co., 117 Tonawanda, Buffalo, N. Y.
Hartford Wire Works, 9092 Allyn, Hartford, Conn.
Hasselbarth C. O., Albany, N. Y.
Hasselbarth Whiton Co., Utica, N. Y.
Herr Mfg. Co., Lancaster, Pa.
Hodges F. G., Reading, Pa.
Holman John & Co., 134 Richmond, Boston, Mass.
Hunt Spring Bed Co., River, Chattanooga, Tenn.
Huntington Spring Bed Co., Huntington, W. Va.
Inco Co. The, 1426 E 15th, Los Angeles, Cal.
Karr Francis Co., 1322 W Monroe, Chicago, Ill.
King Bedding Co., 2119-25 W Toronto, Phila., Pa.
King-Fisher Mattress Co., 474 Albania, Portland, Ore.
Kinney-Rome Co., 3617 S Racine av, Chicago, Ill.
Lariew J. R., Elmira, N. Y.
Leggett & Platt Spring Bed & Mfg. Co., Carthage, Mo.
Lewis-Weller Mfg. Co. ("E-Z"), Utica, N. Y.
Logan A. J. Co, 29th & Liberty, Pittsburgh, Pa.
Los Angeles Spring Bed Co., 730 E 60th, Los Angeles, Cal.
Manhattan Spring Bed Co., 9 Elizabeth, New York
Metal Furniture Co., Evansville, Ind.
Metzger Mattress Co., Atlanta, Ga.
Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y.
See adv index at end of book
Minneapolis Bedding Co. (Sagless), 5th & Hennepin, Minneapolis, Minn.
Norfolk Mattress Co., Norfolk, Va.
Morrow Jas. R., Fort Wayne, Ind.
Moore Mfg. Co., Muncie, Ind.
Myers-Spaiti Mfg. Co., Houston, Texas.
National Bedding Co., 237 S 2nd, Phila., Pa.
Newark Spring Mattress Co., 80 Madison, Newark, N. J.
New England Bedding Co., 321 Congress, Boston, Mass.
New Haven Spring Bed Co., New Haven, Conn.
Oklahoma Spring Bed Mfg. Co., Oklahoma, Oklahoma
Pacific Spring Bed Co., Berkeley, Cal.
Palmer Galvanic Bed Co., 231 E 9th, New York
Perfection Bed Spring Co., Mansfield, O.
Pittsburgh Metal Bed Co., 1136 Brown, Pittsburgh, Pa.
Premier Bed & Spring Co., 2401 17th, San Francisco, Cal.
Preuss R. J. Co., 333 38th, Milwaukee, Wis.
Puritan Bed Spring Co., 903 Kentucky av, Indianapolis, Ind.
Queen City Iron Folding Bed Co., 26 W 3d, Cincinnati, O.
Renn-Davis & Co. (Steel Frame, Steel Lock), Portsmouth, Va.
Reilly & Mann, 193 R R av, Jersey City, N. J.
Reynolds Spring Co. ("Rough Rider"), Dept. H, Water at Bridge, Jackson, Mich.
Roberti Bros., 1342 Long Beach av, Los Angeles, Cal.
Rogers Chas. P. & Co., 14 E 33rd, New York
Rose Spring & Mattress Co., Memphis, Tenn.
Rudgear-Merle Co., Bay & Stockton, San Francisco, Cal.
Sammet G. W. & Son Co., 8 Atlantic av, Boston, Mass.
Schmitt & Henry Mfg. Co., Des Moines, Ia.
Schomer Henry Co., 1814 S Kilbourn, Chicago, Ill.
Shannon Bed Spring Co. (Spiral & Link Fabric), Louisville, Ky.
Smith & Davis Mfg. Co. (Coil & Link Fabric), 20th & Locust, St. Louis, Mo.
Somelastique Bedding Co., 301 E 32nd, New York.
Southern-Rome Co. ("Rome"), 623 W Pratt, Baltimore, Md.
Southern Spring Bed Co., Atlanta, Ga.
Trenton Spring Mattress Co., Trenton, N. J.
Troy Woven Wire Spring Co., Troy, N. Y.
Turk Jos. Mfg. Co., Bradley, Ill.
Union Bed & Spring Co., 4345H 5th av, Chicago, Ill.
United States Spring Bed Co., 228 Bernie av, Springfield, Mass.
U. S. Cabinet Bed Co., 336 Delancey, New York
Van Vorst C. B. Co., Los Angeles, Cal.
Vincent-Alward Co. (Spiral), Kenosha, Wis.
Wagner Spring Bed Mfg. Co., Holyoke, Mass.
Weborg Bros. Spring Bed Co., Jamestown, N. Y.
Weisglass S. & Co., 13 Montana av, B'klyn, N. Y.
West End Spring Bed Co., 66 Pitts, Boston, Mass.
Wickwire Spencer Steel Corp. ("Helical"), 41 E. 42nd, New York
See adv index at end of book
York Woven Wire Mattress Co., York, Pa.
Zimmer Geo. W., 2743 High, Chicago, Ill.

13997— Springs (Bee Hive)

Barnes The Wallace Co., 18 Wallace, Bristol, Conn. *See adv index at end of book*
Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*
Lee Spring Co., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*
Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y.
See adv index at end of book
Raymond Mfg. Co., Corry, Pa.
See adv index at end of book
Standard Spring & Mfg. Co., 237 42nd, Brooklyn, N. Y.
See adv index at end of book
Superior Spring Co., Springfield, O.
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*



13997a— Springs (Bicycle)

Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book

BICYCLE SPRINGS

Also Motorcycle Engine Valve Springs, Cushion, Seat & Fork Springs, Etc.

THE CUYAHOGA SPRING CO.
10253 BEREA RD., CLEVELAND, OHIO

13998— Springs (Bird Cage)

Advance Spring & Wire Co., 1749H Carroll av, Chicago, Ill.
American Spiral Spring & Mfg. Co., 5600 Harrison, Pittsburgh, Pa.
See adv index at end of book
Barnes-Gibson-Raymond, Inc., 6400 Miller av, Detroit, Mich.
See adv index at end of book
Cook Spring Co., Ann Arbor, Mich.
See adv index at end of book
Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book
Gibson Wm. D. Co., 1300 Clybourn av, cor. Willow, Chicago, Ill.
See adv index at end of book
HENDRYX A. B. CO., 36 Audubon, New Haven, Conn. *See adv index at end of book*
Lindemann O. & Co., 35 Wooster, New York
Parker Wire Goods Co., 149 Washington, Worcester, Mass.
Superior Spring Co., Springfield, O.
Turner & Seymour Mfg. Co., Torrington, Conn.
Washburn Co. (Wire Goods Div.), 28 Union, Worcester, Mass.
Wickwire Spencer Steel Corp. ("Eclipse"), 41 E. 42nd, New York
See adv index at end of book

Springs (Bolster)

See Springs, Car; also Springs, Carriage & Wagon

13998a— Springs (Brake)

American Spiral Spring & Mfg. Co., 5600 Harrison, Pittsburgh, Pa.
See adv index at end of book
Barnes-Gibson-Raymond, Inc., 6400 Miller av, Detroit, Mich.
See adv index at end of book
Barnes The Wallace Co., 18 Wallace, Bristol, Conn.
See adv index at end of book
CHICAGO COIL SPRING CO., 327 N Albany av, Chicago, Ill.
See adv index at end of book
Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book
Dunbar Bros. Co., 80 South, Bristol, Conn.
See adv index at end of book
Fernaid Mfg. Co. ("Keystone"), North East, Pa.
Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*
Lee Spring Co., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*
Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y.
See adv index at end of book
New York Wire & Spring Co., Uptown Box 6043, Hoboken, N. J.
See adv index at end of book
Peck Spring Co., Plainville, Conn.
See adv index at end of book
Raymond Mfg. Co., Corry, Pa.
See adv index at end of book
STANDARD SPRING & MFG. CO., 337 42nd, Brooklyn, N. Y.
See adv index at end of book
Superior Spring Co., Springfield, O.
Union Spring & Mfg. Co., New Kensington, Pa.
WICKWIRE SPENCER STEEL CORP., 41 E. 42nd, New York
See adv index at end of book

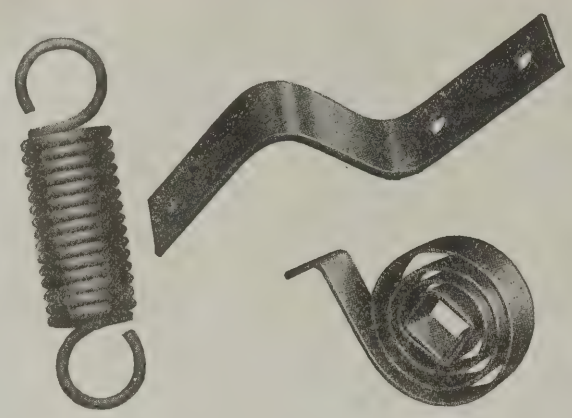
13998b—Springs (Brass, Flat & Wire)

American Spiral Spring & Mfg. Co., 5600 Harrison, Pittsburgh, Pa.
See adv index at end of book
Austin & Smith Co., 164 Brewery, New Haven, Conn.
Barnes-Gibson, Raymond, Inc., 6400 Miller av, Detroit, Mich.
See adv index at end of book
BARNES, THE WALLACE CO. ("Barnes Made"), 18 Wallace, Bristol, Conn.
See adv index at end of book
Bridgeport Brass Co. (Brass), Dept. H, E Main, Bridgeport, Conn.
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
CHICAGO COIL SPRING CO., 327 N Albany av, Chicago, Ill.
See adv index at end of book
Cook Spring Co. (for Various Purposes), Ann Arbor, Mich.
See adv index at end of book
CUYAHOGA SPRING CO. (THE), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*
NEW YORK WIRE & SPRING CO., Uptown Box 6043, Hoboken, N. J.
See adv index at end of book
Raymond Mfg. Co., Corry, Pa.
See adv index at end of book
Superior Spring Co. (Brass & Wire Only), Mfrs. bldg, Springfield, Ohio

13999—Springs (Brush Holder)

American Spiral Spring & Mfg. Co., 5600 Harrison, Pittsburgh, Pa.
See adv index at end of book
Cambria Spring Co., 916S Los Angeles, Los Angeles, Cal.
Barnes-Gibson, Raymond, Inc., 6400 Miller av, Detroit, Mich.
See adv index at end of book
BARNES, THE WALLACE CO. ("Barnes-Made"), 18 Wallace, Bristol, Conn.
See adv index at end of book
CHICAGO COIL SPRING CO., 327 N Albany av, Chicago, Ill.
See adv index at end of book
Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.
Cook Spring Co. (Dynamo & Motor), Ann Arbor, Mich.
See adv index at end of book
Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book
Dunbar Bros. Co. ("Dunbar"), 80 South, Bristol, Conn.
See adv index at end of book
Eureka Co., North East, Pa.
Humason Mfg. Co., Forestville Station, Conn.
Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*
Lee Spring Co. (Dynamo & Motor), 353 Classon av, Brooklyn, N. Y.
See adv index at end of book
Miller & Van Winkle Inc. (Dynamo & Motor), 20 Bridge, Brooklyn, N. Y.
See adv index at end of book

(Continued on following page)



DUNBAR SPRINGS

UNEXCELLED FACILITIES FOR TURNING OUT SPRINGS FOR ALL PURPOSES.
SPECIAL SCREW MACHINE PRODUCTS.

THE DUNBAR BROTHERS CO.
80 SOUTH STREET, BRISTOL, CONN.

Springs (Brush Holder)—Continued

Newcomb Spring Co., 237 40th, Brooklyn, N. Y. *See adv index at end of book*
New York Wire & Spring Co., Uptown Box 6043, Hoboken, N. J. *See adv index at end of book*
Peck Spring Co., Plainville, Conn. *See adv index at end of book*
Railway Steel Spring Co., 30 Church, New York
Raymond Mfg. Co., Corry, Pa. *See adv index at end of book*
STANDARD SPRING & MFG. CO., 237 42nd, Brooklyn, N. Y. *See adv index at end of book*
Superior Spring Co., Springfield, O.
Union Spring & Mfg. Co., New Kensington, Pa.
Vose Spring Co., 150 Bleecker, New York
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa. *See adv index at end of book*
Wickwire Spencer Steel Corp. ("Eclipse"), 41 E. 42nd, New York *See adv index at end of book*

14000— Springs (Car)

AMERICAN SPIRAL SPRING & MFG. CO., 5600 Harrison, Pittsburgh, Pa. *See adv index at end of book*
American Steel Foundries, McCormick bldg, Chicago, Ill.
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill. *See adv index at end of book*
Betts Spring Co., 880 Folsom, San Francisco, Cal.
Brill J. G. Co. (Car & Locomotive), 62d & Woodland av, Phila., Pa.
Cook Spring Co. (Fender), Ann Arbor, Mich. *See adv index at end of book*
Crucible Steel Co. of America, 17 E 42d, New York
Detroit Steel Products Co. (Detroit Passenger), 2250 E Grand blvd, Detroit, Mich.
Duer Spring & Mfg. Co. Inc., Mulberry, McKees Rocks, Pa. *See adv index at end of book*
Fort Pitt Spring & Mfg. Co., Dept. H, McKees Rocks, Pa.
Gibson Wm. D. Co., 1800 Clybourn av, cor. Willow, Chicago, Ill. *See adv index at end of book*
Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*
Lee Spring Co. (Also Car Seat), 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*
McGuire-Cummings Mfg. Co., Harris Trust & Savings bldg, Chicago, Ill.
Miller & Van Winkle Inc. (& Car Seat), 20 Bridge, Brooklyn, N. Y. *See adv index at end of book*
New Jersey Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
Otter Mfg. Co., Inc. (Oil Tempered, Flat & Spiral), 62 9th av, New York
Pittsburgh Crucible Steel Co., Midland, Pa.
Pittsburgh Spring & Steel Co., Farmers Bank bldg, Pittsburgh, Pa.
Pressed Steel Car Co. (Bolster, Coach & Engine), 307 5th av, Pittsburgh, Pa.
Railway Steel Spring Co. (Heavy, Elliptic & Coil), 30 Church, New York
Rowland Wm. & Harvey, Tacony & Lewis, Phila., Pa.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Standard Spring & Mfg. Co., 237 42nd, Brooklyn, N. Y. *See adv index at end of book*
Standard Steel Works Co., Morris bldg, Phila., Pa.
Superior Spring Co., Springfield, O.
Taylor Electric Truck Co. ("Taylor-Made" Coil & Elliptic), Troy, N. Y.
Union Spring & Mfg. Co. (Coach & Locomotive), New Kensington, Pa.
Vose Spring Co., 150 Bleecker, New York
Western Steel Car & Foundry Co. (Bolster, Couch & Engine), Farmers Bank bldg, Pittsburgh, Pa.
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*

Springs (Car Fender)

See Springs, Coil or Spiral

14001— Springs (Car Sash)

Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, Ohio *See adv index at end of book*
Duer Spring & Mfg. Co. Inc., Mulberry, McKees Rocks, Pa. *See adv index at end of book*
Lee Spring Co., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*
Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y. *See adv index at end of book*
Standard Spring & Mfg. Co., 237 42nd, Brooklyn, N. Y. *See adv index at end of book*
Superior Spring Co., Springfield, O.
Wallace Supplies Mfg. Co., 1312 Diversey Pkway, Chicago, Ill.

Springs (Car Seat)

See Springs, Furniture & Upholstering

14002—Springs (Carriage & Wagon)

Adams E. B. & Son ("Spalding" Bolster), Racine, Wis.
Betts Spring Co., 880 Folsom, San Francisco, Cal.
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn. *See adv index at end of book*
Cately & Ettling (Prop), Cortland, N. Y.
Cleveland Wire Spring Co. (Bolster), 1281 E 38th, Cleveland, O.
Cook Spring Co., Ann Arbor, Mich. *See adv index at end of book*
Concord Axle Co. ("Palmer's" Concord), Penacook, N. H.
Cooper Spring Co., Leader News bldg., Cleveland, O.
Delany D. & Son, Hamilton, Newark, N. J.
Eaton Axle & Spring Co., Central & 65th, Cleveland, Ohio
Ernsdorff John Iron Co. (Bolster Only), Dubuque, Ia.
Fernald Mfg. Co. ("Keystone," Attached Between Trace & Whiffletree), North East, Pa.
Garden City Spring Works, 2300 Archer, Chicago, Ill.
Harvey Spring & Forging Co. (Bolster & Seat), Racine, Wis.
Higgins Spring & Axle Co. (Wagon seat Springs), Racine, Wis.
Hirsch Bros. (Bolster), 267 Reed, Milwaukee, Wis.
Iron City Spring Co. (Oil Tempered), 2920 Smallman, Pittsburgh, Pa.
Kalamazoo Spring & Axle Co. (Seat, Bolster Body, etc), Kalamazoo, Mich.
Lee Spring Co., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*
Liggett Spring & Axle Co., Monongahela, Pa.
Merrill E. R. Spring Co., 530 W 28th, New York
Meyer & Co. ("Cliffs" Bolster Seat & Pole), Throopsville, N. Y.
Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y. *See adv index at end of book*
Noll Bros. (Bolster), 849 Allis, Milwaukee, Wis.
Palmer Jos., 333 Rutherford av, Boston, Mass.
Penn Spring Works, Baldwinsville, N. Y.
Racine General Mfg. Co. ("General" Bolster, Wagon Jobbers Only), Racine, Wis.
Reynolds Spring Co. ("Rough Rider" Carriage Seat, etc.), Dept. H, Water at Bridge, Jackson, Mich.
Rowland Wm. & Harvey, Tacony & Lewis, Phila., Pa.
Sheldon Axle & Spring Co., Wilkesbarre, Pa.
Spring Perch Co. (Carriage Only), Bridgeport, Conn.
Standard Spring & Mfg. Co., 237 42nd, Brooklyn, N. Y. *See adv index at end of book*
Sterling Spring Co., 2148 Scranton rd, Cleveland, O.
Stoughton Wagon Co. (Bolster), Stoughton, Wis.
Studebaker Corp. (Wagon & Bolster), South Bend, Ind.
Superior Spring Co., Springfield, O.
Tanner D. F. (Wagon Bolster), Holland, N. Y.
Trenton Spring Mattress Co., Trenton, N. J.
Troy Spring Works, Troy, N. Y.
Tuthill Spring Co., 760 Polk, Chicago, Ill.
Walker Mfg. Co. (Bolster Spring for Farm Wagons), Racine, Wis.
Wilson Robert P. ("Wilson's Hold-up" Shaft Springs), 320 Market, Newark, N. J.
Wurster Fred. W. & Co., 375 Kent av, Brooklyn, N. Y.

14003—Springs (Ceiling, for Swing Harness)

Duer Spring & Mfg. Co. Inc., Mulberry, McKees Rocks, Pa. *See adv index at end of book*
Lee Spring Co., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*
Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y. *See adv index at end of book*
Raymond Mfg. Co., Corry, Pa. *See adv index at end of book*
Standard Spring & Mfg. Co., 237 42nd, Brooklyn, N. Y. *See adv index at end of book*
Superior Spring Co., Springfield, O.

14004—Springs (Children's Carriage, Etc.)

Barnes-Gibson-Raymond, Inc., 6400 Miller av, Detroit, Mich. *See adv index at end of book*
Cary Spring Works, 240 W 29th, New York
Cleveland Wire Spring Co., 1281 E 38th Cleveland, O.
Cook Spring Co., Ann Arbor, Mich. *See adv index at end of book*
Dunbar Bros. Co. ("Dunbar"), 80 South, Bristol, Conn. *See adv index at end of book*
Humason Mfg. Co., Forestville Sta., Conn.
Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*
Lee Spring Co., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*
Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y. *See adv index at end of book*
Standard Spring & Mfg. Co., 237 42nd, Brooklyn, N. Y. *See adv index at end of book*
Superior Spring Co., Springfield, Ohio
Wagner E. R. Mfg. Co., North Milwaukee, Wis.
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*

14005—Springs (Clock, Music Box, Etc.)

American Spiral Spring & Mfg. Co., 5600 Harrison, Pittsburgh, Pa. *See adv index at end of book*
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill. *See adv index at end of book*
Austin & Smith Co., 164 Brewery, New Haven, Conn. *See adv index at end of book*
Barnes-Gibson-Raymond, Inc., 6400 Miller av, Detroit, Mich. *See adv index at end of book*
BARNES, THE WALLACE CO. ("Barnes-Made"), 18 Wallace, Bristol, Conn. *See adv index at end of book*

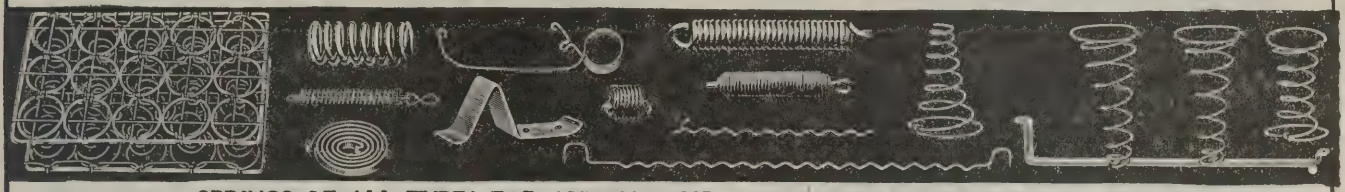
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Dunbar Bros. Co. ("Dunbar"), 80 South, Bristol, Conn.
See adv index at end of book
Farrington & Co. Inc., Mt. Vernon, N. Y.
Fort Pitt Spring & Mfg. Co., Dept. H, McKees Rocks, Pa.
Los Angeles Spring & Forge Co., 1948 S Los Angeles, Los Angeles, Cal.
Manross F. N. & Sons (Clock), Forestville, Conn.
Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y.
See adv index at end of book
New York Wire & Spring Co., Uptown Box 6043, Hoboken, N. J.
See adv index at end of book
Pacific Auto Spring Co., 1111 W Pico, Los Angeles, Cal.
Peck Spring Co., Plainville, Conn.
See adv index at end of book
Standard Spring & Mfg. Co., 237 42nd, Brooklyn, N. Y.
See adv index at end of book
Waterbury Clock Co., Waterbury, Conn.
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*

14005a— Springs (Clutch)

Amer. Specialty Co., Dept. H, Bridgeport, Conn.
Barnes-Gibson-Raymond, Inc., 6400 Miller av, Detroit, Mich.
See adv index at end of book
BARNES, THE WALLACE CO. ("Barnes Made"), 18 Wallace, Bristol, Conn.
See adv index at end of book
Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book
Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*
NEW YORK WIRE & SPRING CO., Uptown Box 6043, Hoboken, N. J.
See adv index at end of book
Raymond Mfg. Co., Corry, Pa.
See adv index at end of book
Superior Spring Co., Springfield, Ohio
Young L. A. Industries Inc., 9020 Russell, Detroit, Mich.

14006—Springs (Coil or Spiral)

Advance Spring & Wire Co. 1719H Carroll av, Chicago, Ill.
American Safety Lamp & Mine Supply Co., 1327 Capouse av, Scranton, Pa.
AMERICAN SPIRAL SPRING & MFG. CO., 5600 Harrison, Pittsburgh, Pa.
See adv index at end of book
Am. Spring & Mfg. Corp., 214 Washington av, Holly, Mich.
AMERICAN STEEL & WIRE CO. (Light & Heavy), 208 S La Salle, Chicago, Ill.
See adv index at end of book
Austin & Smith Co. (Small), 164 Brewery, New Haven, Conn.
See adv index at end of book
Automatic Wire Goods Mfg. Co., 386 Canal pl, New York
Baker M. C. & Son, 686 Mission, San Francisco, Cal.
Barnes-Gibson-Raymond, Inc., 6400 Miller av, Detroit, Mich.
See adv index at end of book
BARNES, THE WALLACE CO. ("Barnes-Made," All Kinds), 18 Wallace, Bristol, Conn. *See adv index at end of book*
Betts Bros. Spring Co., 1221 Mission, San Francisco, Cal.
Betts Spring Co., 883 Folsom, San Francisco, Cal.
BRIDGEPORT CHAIN CO., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Cary Spring Works, 240 W 29th, New York
Chatillon Jno. & Sons (Cast Steel), 85 Cliff, New York
CHICAGO COIL SPRING CO., 327 N Albany av, Chicago, Ill.
See adv index at end of book
Cleveland Wire Spring Co. (Wire), 1281 E 38th, Cleveland, O.
Connor Mfg. Co., 225 Natoma, San Francisco, Cal.
COOK SPRING CO., Ann Arbor, Mich.
See adv index at end of book
Crucible Steel Co. of America, 17 E 42d, New York
Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book

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Dellenbarger C. E. Co., Joliet, Ill.
Darby Edward J. & Son, 319 Vine, Phila., Pa. *See adv index at end of book*
DUER SPRING & MFG. CO. INC., Mulberry, McKees Rocks, Pa.
See adv index at end of book
DUNBAR BROS. CO. ("Dunbar" Small Sheet Steel & Brass Wire), 80 South, Bristol, Conn. *See adv index at end of book*
Eureka Spring Co., 150 Bleecker, New York
Everitt Co., 275 Franklin, Boston 9, Mass.
Farrington & Co. Inc., Mt. Vernon, N. Y.
Fischer Chas. Spring Co., 473 Kent av, Brooklyn, New York
Fort Pitt Spring & Mfg. Co., Dept. H, McKees Rocks, Pa.
Fort Pitt Bedding Co., Dept. H, Liverpool & Preble av, Pittsburgh, Pa.
Gardner Wire Co. (Coil, All Kinds Made from Round & Square Wire), 5045 W Lake, Chicago, Ill.
GIBSON WM. D. CO., 1800 Clybourn av, cor. Willow, Chicago, Ill.
See adv index at end of book
Hebb Geo. A. (Coil), 70 Williams, Newark, N. J.
Hubbard Spring Wks., Pontiac, Mich.
Humason Mfg. Co. (Small Spiral), Forestville Station, Conn.
Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book

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(Continued on following page)

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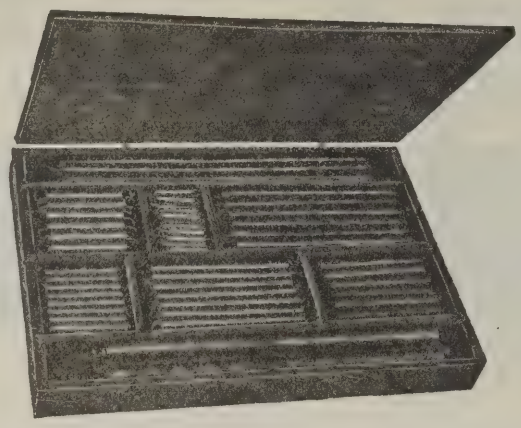


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Springs (Coil or Spiral)—Continued

LEE SPRING CO. (Coiled or Spiral), 353 Classon av, Brooklyn, N. Y.
See adv index at end of book
Lewis-Weller Mfg. Co., Utica, N. Y.
Livermore Homer F. Inc., 85 Pearl, Boston, Mass.
Ludlow-Saylor Wire Co., 600-640 S Newstead av, St. Louis, Mo.
See adv index at end of book
McGuire-Cummings Mfg. Co., Harris Trust & Savings bldg, Chicago, Ill.
Mattatuck Mfg. Co. (Small), Waterbury, Conn.
Meyer & Co., Throopsville, N. Y.
MILLER & VAN WINKLE, INC., 20 Bridge, Brooklyn, N. Y.
See adv index at end of book
Muehlhausen Spring Co., 5841 S Loomis blvd, Chicago
NEWCOMB SPRING CO., 237 40th, Brooklyn, N. Y.
See adv index at end of book
NEW YORK WIRE & SPRING CO., Uptown Box 6043, Hoboken, N. J.
See adv index at end of book
PECK SPRING CO., THE, Plainville, Conn.
See adv index at end of book
Pittsburgh Spring & Steel Co. (Car, etc), 307 6th av, Pittsburgh, Pa.
Railway Steel Spring Co. (Light & Heavy), 30 Church, New York
Raymond Mfg. Co. (Steel & Wire), Corry, Pa. *See adv index at end of book*
Reynolds Spring Co. (Wire Coil), Dept. H, Water at Bridge, Jackson, Mich.
Sabin Machine Co. (Organ, etc), Montpelier, Vt.
Schaefer Co. Emil, 1320 N 5th, Philadelphia, Pa.
Shuler W. S. Spring Co., Amsterdam, N. Y.
Snow Albert E & Co., 252 B'way, New York
Springfield Spring Co., Springfield, Ohio
Standard Spring & Mfg. Co., 237 42nd, Brooklyn, N. Y.
See adv index at end of book
Superior Spring Co. (Wire), Mfrs. bldg, Springfield, Ohio
Taylor Electric Truck Co. ("Taylor Made"), Troy, N. Y.
Union Spring & Mfg. Co. (Car & Machy.), New Kensington, Pa.
United States Spring Co., 1120 S Los Angeles, Los Angeles, Cal.
Vose Spring Co., 150 Bleecker, New York
Washburn Wire Co., Phillipsdale, R. I.
Webb Mfg. Co., 245-47 N. J. R. R. av, Newark, N. J.
WICKWIRE SPENCER STEEL CORP., 41 E. 42nd, New York
See adv index at end of book
Wilson Robt. P., 320 Market, Newark, N. J.
Young L. A. Industries Inc., 9020 Russell, Detroit, Mich.

Springs (Compression)

See Springs, Extension & Compression

14007— Springs (Contact)

American Spiral Spring & Mfg. Co., 5600 Harrison, Pittsburgh, Pa.
See adv index at end of book
Barnes-Gibson-Raymond, Inc., 6400 Miller av, Detroit, Mich.
See adv index at end of book
Barnes The Wallace Co., 18 Wallace, Bristol, Conn.
See adv index at end of book
Duer Spring & Mfg. Co. Inc., Mulberry, McKees Rocks, Pa.
See adv index at end of book
Dunbar Bros. Co. ("Dunbar"), 30 South, Bristol, Conn.
See adv index at end of book
Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*
Lee Spring Co., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*
Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y.
See adv index at end of book
More-Jones Brass & Metal Co. (For Trolley Roads), B'way & Dock, St. Louis, Mo.
New York Wire & Spring Co., Uptown Box 6043, Hoboken, N. J.
See adv index at end of book
Raymond Mfg. Co., Corry, Pa.
See adv index at end of book
Standard Spring & Mfg. Co., 237 42nd, Brooklyn, N. Y.
See adv index at end of book
Superior Spring Co., Springfield, Ohio
Union Spring & Mfg. Co. (Friction, etc.), New Kensington, Pa.
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*

Springs (Cultivator)

See Springs, Agricultural Implement

14008— Springs (Curtain)

Austin & Smith Co., 164 Brewery, New Haven, Conn.
See adv index at end of book
Barnes The Wallace Co., 18 Wallace, Bristol, Conn.
See adv index at end of book
Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book
Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*
Lee Spring Co., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*
Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y.
See adv index at end of book
Standard Spring & Mfg. Co., 237 42nd, Brooklyn, N. Y.
See adv index at end of book
Wickwire Spencer Steel Corp. ("Eclipse"), 41 E. 42nd, New York
See adv index at end of book

14009— Springs (Cushion)

Barber Mfg. Co. ("Cardinal"), Anderson, Ind.
Bridgeport Chain Co. (Back Seat, etc.), 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Cuyahoga Spring Co., 10253 Berea rd, Cleveland, O.
D'Arcy Spring Co. ("Century"), Kalamazoo, Mich.
Miller & Van Winkle, Inc., ("Eagle"), 20 Bridge, Brooklyn, N. Y.
See adv index at end of book
National Spring & Wire Co. ("Black Velvet," Spiral Wire for Autos, Carriages, etc), Albion, Mich.
Reynolds Spring Co. ("Rough Rider" "Advance"), Dept. H, Water at Bridge, Jackson, Mich.
Seibel Air Spring Co. Inc. ("Seibel"), 735 Market, San Francisco, Cal.
Staples & Hanford Co., Newburgh, N. Y.
Trenton Spring Mattress Co. ("Excelsior," "Lace Web," "T. I. C." Sectional Auto & Carriage), Trenton, N. J.
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*
Willys-Overland Co. (Automobile), Brown & Indiana, Toledo, O.

14009a— Springs (Dobby)

Barnes-Gibson-Raymond, Inc., 6400 Miller av, Detroit, Mich.
See adv index at end of book
BARNES, THE WALLACE CO., 18 Wallace, Bristol, Conn.
See adv index at end of book
Lee Spring Co., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*
Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y.
See adv index at end of book
Raymond Mfg. Co., Corry, Pa.
See adv index at end of book
Standard Spring & Mfg. Co., 237 42nd, Brooklyn, N. Y.
See adv index at end of book
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*

14010—Springs (Door, Coil, Etc.)

See also Checks, Screen Door; also Door Checks & Springs

Advance Spring & Wire Co., 1749H, Carroll av, Chicago, Ill.
American Spiral Spring & Mfg. Co., 5600 Harrison, Pittsburgh, Pa.
See adv index at end of book
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Arcade Mfg. Co. ("Warner"), Freeport, Ill.
Austin & Smith Co., 164 Brewery, New Haven, Conn.
See adv index at end of book
Automatic Wire Goods Mfg. Co., 886 Canal pl, New York
Barnes-Gibson-Raymond, Inc., 6400 Miller av, Detroit, Mich.
See adv index at end of book
BARNES, THE WALLACE CO. ("Barnes Made"), 18 Wallace, Bristol, Conn.
See adv index at end of book
Boenck-Lueck Co. ("Simplicity"), 71 W Water, Milwaukee, Wis.
Bommer Spring Hinge Co. ("Bommer"), 263 Classon av, Brooklyn, N. Y.
Bridgeport Chain Co., 1000 Crescent av Bridgeport, Conn.
See adv index at end of book
Cassady, Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Chicago Spring Butt Co. ("Chicago," "Reliance"), 1500 Carroll av, Chicago, Ill.
Cleveland Wire Spring Co. (Wire), 1281 E 38th, Cleveland, O.
Cook Spring Co., Ann Arbor, Mich.
See adv index at end of book
Columbian Hardware Co. ("Gem" & "Star" Spiral, "Torrey" Rod), Cleveland, O.
Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book
Frantz Mfg. Co., Sterling, Ill.
Hayward S. F. & Co. (Engine House), 250 W 54th, New York
Hubbard Spring Wks., Pontiac, Mich.
Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*
Lee Spring Co., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*
Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y.
See adv index at end of book
New York Wire & Spring Co., Uptown Box 6043, Hoboken, N. J.
See adv index at end of book
Ostrander W. R. & Co. (Door Springs for Burglar Alarms), 371 B'way, New York
Parker Wire Goods Co. ("Eureka"), Worcester, Mass.
Raymond Mfg. Co., Corry, Pa.
See adv index at end of book
Reading Hardware Co. (Coiled Wire, etc), Reading, Pa.
Reading Saddle & Mfg. Co. (Coil Wire), Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sabin Machine Co., Montpelier, Vt.
Sargent & Co., New Haven, Conn.
Sharon Hardware Mfg. Co. ("Perfect"), Sharon, Pa.
Shelby Spring Hinge Co., Dept. H, Shelby, Ohio
Stanley Works (Screen Door), New Britain, Conn.
See adv index at end of book
Superior Spring Co., Springfield, Ohio
Superior Spring Hinge Co., 550H W Lake, Chicago, Ill.
Wagner Mfg. Co. ("Wagner" Coil), Cedar Falls, Ia.
Wickwire Spencer Steel Corp. ("Perfection" & "Morgan"), 41 E 42nd, New York *See adv index at end of book*
Washburn Co. (Wire Goods Div.) ("Perfection"), 28 Union, Worcester, Mass.

14011— Springs (Draft)

AMERICAN SPIRAL SPRING & MFG. CO., 5600 Harrison, Pittsburgh, Pa.
See adv index at end of book

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Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.
Cook Spring Co., Ann Arbor, Mich.
See adv index at end of book
Crucible Steel Co. of America, 17 E 42d, New York
Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book
Fort Pitt Spring & Mfg. Co., Dept. H, McKees Rocks, Pa.
Hayward S. F. & Co., 250 W 54th, New York
Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*
Lee Spring Co., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*
Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y.
See adv index at end of book
New York Wire & Spring Co., Uptown Box 6043, Hoboken, N. J.
See adv index at end of book
Pittsburgh Spring & Steel Co., Farmers Bank bldg, Pittsburgh, Pa.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Railway Steel Spring Co., 30 Church, New York
Raymond Mfg. Co., Corry, Pa.
See adv index at end of book
Standard Spring & Mfg. Co., 237 42nd, Brooklyn, N. Y.
See adv index at end of book
Superior Spring Co., Springfield, Ohio
Tanner D. F. ("Holland," Trace or Draft Springs), Holland, N. Y.
Union Spring & Mfg. Co. (Friction, etc.), 1311 Fulton bldg, Pittsburgh, Pa.
Western Steel Car & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.
Wickwire Spencer Steel Corp. ("Eclipse"), 41 E. 42nd, New York
See adv index at end of book
Wilson Robert P. ("Mogul"), 820 Market, Newark, N. J.

14011a—Springs (Electrical Instrument)

Austin & Smith Co., 164 Brewery, New Haven, Conn.
See adv index at end of book
Barnes-Gibson-Raymond, Inc., 6400 Miller av, Detroit, Mich.
See adv index at end of book
BARNES, THE WALLACE CO. ("Barnes Made"), 18 Wallace, Bristol, Conn.
See adv index at end of book
CHICAGO COIL SPRING CO., 327 N Albany av, Chicago, Ill.
See adv index at end of book
COOK SPRING CO., Ann Arbor, Mich.
See adv index at end of book
CUYAHOGA SPRING CO. (THE), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book

Springs - Electrical Equipment

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Also Special Wire Forms for Electrical Devices

THE CUYAHOGA SPRING CO.
10253 BEREA RD., CLEVELAND, OHIO

DUNBAR BROS. Co. ("Dunbar"), 80 South, Bristol, Conn.
See adv index at end of book
Humason Mfg. Co., Forestville Station, Bristol, Conn.
Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*
LEE SPRING CO., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*
Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y.
See adv index at end of book
NEWCOMB SPRING CO., 237 40th, Brooklyn, N. Y.
See adv index at end of book
New York Wire & Spring Co., Uptown Box 6043, Hoboken, N. J.
See adv index at end of book
PECK SPRING CO., Plainville, Conn.
See adv index at end of book
Raymond Mfg. Co., Corry, Pa.
See adv index at end of book
Standard Spring & Mfg. Co., 237 42nd, Brooklyn, N. Y.
See adv index at end of book
Superior Spring Co., Springfield, Ohio

14012— Springs (Elliptic)

AMERICAN SPIRAL SPRING & MFG. CO., 5600 Harrison, Pittsburgh, Pa.
See adv index at end of book
Cary Spring Works, 240 W 29th, New York
Cooper Spring Co., Leader News bldg, Cleveland, O.
Crucible Steel Co. of America, 17 E 42d, New York
Delany Daniel & Son, Hamilton, Newark, N. J.
Fort Pitt Spring & Mfg. Co., Dept. H, McKees Rocks, Pa.
Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*
Kalamazoo Spring & Axle Co. (For Farm Wagon Seats), Kalamazoo, Mich.
Keystone Spring Works, 13th & Buttonwood, Phila., Pa.
Merrill E. R. Spring Co., 530 W 28th, New York
Pittsburgh Spring & Steel Co. (Car, Locomotive & Traction Car), 307 6th av, Pittsburgh, Pa.
Railway Steel Spring Co., 30 Church, New York
Rowland Wm. & Harvey (Inc.), Tacony & Lewis, Philadelphia, Pa.
Sheldon Axle & Spring Co., Wilkes-Barre, Pa.
Shuler W. S. Spring Co., Amsterdam, N. Y.
Standard Steel Works Co. (Car & Locomotive), Morris bldg, Phila., Pa.
Taylor Electric Truck Co. ("Taylor Made"), Troy, N. Y.
Tuthill Spring Co., 760 Polk, Chicago, Ill.
Union Spring & Mfg. Co., New Kensington, Pa.
Vose Spring Co., 150 Bleecker, New York

14013— Springs (End Gate)

Gogel Mfg. Co. (For Wagon Builders), Toledo. O.
Lee Spring Co., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*
Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y.
See adv index at end of book
Raymond Mfg. Co., Corry, Pa.
See adv index at end of book
Standard Spring & Mfg. Co., 237 42nd, Brooklyn, N. Y.
See adv index at end of book
Superior Spring Co. (Coil), Mfrs. bldg, Springfield, Ohio
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*

14014— Springs (Engine)

American Spiral Spring & Mfg. Co., 5600 Harrison, Pittsburgh, Pa.
See adv index at end of book
Barnes The Wallace Co., 18 Wallace, Bristol, Conn.
See adv index at end of book
COOK SPRING CO. (Airplane, Gas & Gasoline, etc.), Ann Arbor, Mich.
See adv index at end of book
Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book
Duer Spring & Mfg. Co. Inc., Mulberry, McKees Rocks, Pa.
See adv index at end of book
Dunbar Bros. Co., 80 South, Bristol, Conn.
See adv index at end of book

14015—Springs (Extension & Compression)

Advance Spring & Wire Co., 1749H Carroll av, Chicago, Ill.
AMERICAN SPIRAL SPRING & MFG. CO., 5600 Harrison, Pittsburgh, Pa.
See adv index at end of book
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Barnes-Gibson-Raymond, Inc., 6400 Miller av, Detroit, Mich.
See adv index at end of book
BARNES, THE WALLACE CO. ("Barnes-Made," All Kinds), 18 Wallace, Bristol, Conn. *See adv index at end of book*
Bridgeport Chain Co., 100 Crescent av, Bridgeport, Conn.
See adv index at end of book
Cary Spring Works, 240 W 29th, New York
CHICAGO COIL SPRING CO., 327 N Albany av, Chicago, Ill.
See adv index at end of book
Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.
Conner Mfg. Co., 225 Natoma, San Francisco, Cal.
Cook Spring Co., Ann Arbor, Mich.
See adv index at end of book
Crucible Steel Co. of America, 17 E 42d, New York
Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book
DUER SPRING & MFG. CO. INC., Mulberry, McKees Rocks, Pa.
See adv index at end of book
Dunbar Bros. Co. ("Dunbar"), 80 South, Bristol, Conn.
See adv index at end of book
Fischer Chas. Spring Co. (Small), 240 Kent av, Brooklyn, N. Y.
Fort Pitt Spring & Mfg. Co., Dept. H, McKees Rocks, Pa.
Hubbard Spring Wks., Pontiac, Mich.
Humason Mfg. Co., Forestville Stat., Conn.
Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*
LEE SPRING CO., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*
MILLER & VAN WINKLE INC. ("Eagle Brand"), 20 Bridge, Brooklyn, N. Y.
See adv index at end of book
NEWCOMB SPRING CO., 237 40th, Brooklyn, N. Y.
See adv index at end of book
NEW YORK WIRE & SPRING CO., Uptown Box 6043, Hoboken, N. J.
See adv index at end of book
Peck Spring Co., Plainville, Conn.
See adv index at end of book
Pittsburgh Spring & Steel Co., **Farmers Bank bldg, Pittsburgh, Pa.**
Railway Steel Spring Co., 30 Church, New York
Raymond Mfg. Co., Corry, Pa.
See adv index at end of book
Springfield Spring Co., Springfield, O.
Standard Spring & Mfg. Co., 237 42nd, Brooklyn, N. Y.
See adv index at end of book
Superior Spring Co., Springfield, Ohio
Timms Spring Co., Elyria, Ohio
Union Spring & Mfg. Co., New Kensington, Pa.
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*

Springs (Fish Plate)

See Lock Nuts & Washers

14016— Springs (Flat)

Am. Spring & Mfg. Co., 214 Washington av, Holly, Mich.
Austin & Smith Co., 164 Brewery, New Haven, Conn.
See adv index at end of book
Automatic Wire Goods Mfg. Co., 386 Canal pl, New York

(Continued on following page)

Springs (Flat)—Continued

Barnes-Gibson-Raymond, Inc., 6400 Miller av, Detroit, Mich.
See adv index at end of book

BARNES, THE WALLACE CO. ("Barnes Made," Small & of Every Description), 18 Wallace, Bristol, Conn.
See adv index at end of book

Beehler Steel Products Co., 1443 N 13th, St. Louis, Mo.
See adv index at end of book

Bethlehem Steel Co., Bethlehem, Pa.

Cary Spring Works, 240 W 29th, New York

Cook Spring Co., Ann Arbor, Mich.
See adv index at end of book

Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book

Duer Spring & Mfg. Co. Inc., Mulberry, McKees Rocks, Pa.
See adv index at end of book

DUNBAR BROS. CO., ("Dunbar" Small, For All Purposes, Brass & Wire), 80 South, Bristol, Conn.
See adv index at end of book

Everitt Co. (& Coiled), 267 Franklin, Boston, Mass.
See adv index at end of book

Fischer Chas. Spring Co., 240 Kent av, Brooklyn, N. Y.

Gainer F. H., Broad, Plainville, Conn.

GIBSON WM. D. CO. (Steel), 1800 Clybourn av, Chicago, Ill.
See adv index at end of book

Hubbard Spring Wks., Pontiac, Mich.

Humason Mfg. Co., Forestville Station, Bristol, Conn.

Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*

Lee Spring Co., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*

Livermore Homer F. Inc., 85 Pearl, Boston, Mass.

Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y.
See adv index at end of book

Newcomb Spring Co., 237 40th, Brooklyn, N. Y. *See adv index at end of book*

New York Wire & Spring Co., Uptown Box 6043, Hoboken, N. J.
See adv index at end of book

Raymond Mfg. Co., Corry, Pa.
See adv index at end of book

Standard Spring & Mfg. Co., 237 42nd, Brooklyn, N. Y.
See adv index at end of book

Union Spring & Mfg. Co., New Kensington-Penobscot bldg, Detroit, Mich.

Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*

14017—Springs (Friction Draft)

See also Springs, Draft

AMERICAN SPIRAL SPRING & MFG. CO., 5600 Harrison, Pittsburgh, Pa.
See adv index at end of book

Crucible Steel Co. of America, 17 E 42, New York

Fort Pitt Spring & Mfg. Co., Dept. H, McKees Rocks, Pa.

Frost Railway Supply Co. ("Harvey"), **Penobscot bldg, Detroit, Mich.**

Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*

Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y.
See adv index at end of book

Pittsburgh Spring & Steel Co., 307 6th av, Pittsburgh, Pa.

Raymond Mfg. Co., Corry, Pa.
See adv index at end of book

Superior Spring Co., Springfield, Ohio

Union Spring & Mfg. Co., New Kensington, Pa.

Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*

14018—Springs (Furniture & Upholstering)

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book

Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book

CHICAGO COIL SPRING CO., 327 N Albany av, Chicago, Ill.
See adv index at end of book

Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.

Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book

Fischer Chas. Spring Co., 240 Kent av, Brooklyn, N. Y.

Fort Pitt Bedding Co., Dept. H, Liverpool & Preble av, Pittsburgh, Pa.

Foster Bros. Mfg. Co., Utica, N. Y.

Gibson Wm. D. Co. (Chair Springs), 1800 Clybourn av, cor. Willow, Chicago, Ill.
See adv index at end of book

Greeno C. L., 325 Main, Cincinnati, Ohio

Lewis-Weller Mfg. Co., Utica, N. Y.

Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y.
See adv index at end of book

Premier Bed & Spring Co., 2401 17th, San Francisco, Cal.

Reynolds Spring Co., Dept. H, Water at Bridge, Jackson, Mich.

Schwing R. I. Co., Inc., Plaquemine, La.

Snell Chas. W. Co. (Fibre Upholstery), 937 W 47th, Chicago, Ill.

Staples & Hanford Co., Newburgh, N. Y.

Trenton Spring Mattress Co., Trenton, N. J.

Vincent-Alward Co., Kenosha, Wis.

Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*

Springs (Gate)

See Springs, Door; also Spring, Coil or Spiral

14019— Springs (Governor)

American Spiral Spring & Mfg. Co., 5600 Harrison, Pittsburgh, Pa.
See adv index at end of book

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book

Austin & Smith Co., 164 Brewery, New Haven, Conn.

Barnes-Gibson-Raymond, Inc., 6400 Miller av, Detroit, Mich.
See adv index at end of book

BARNES, THE WALLACE CO. ("Barnes-Made"), 18 Wallace, Bristol, Conn.
See adv index at end of book

CHICAGO COIL SPRING CO., 327 N Albany av, Chicago, Ill.
See adv index at end of book

Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.

Cook Spring Co., Ann Arbor, Mich.
See adv index at end of book

Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, Ohio

Duer Spring & Mfg. Co. Inc., Mulberry, McKees Rocks, Pa.
See adv index at end of book

Dunbar Bros. Co. ("Dunbar"), 80 South, Bristol, Conn.
See adv index at end of book

Fort Pitt Spring & Mfg. Co., Dept. H, McKees Rocks, Pa.

Humason Mfg. Co., Forestville Station, Bristol, Conn.

Lee Spring Co., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*

MILLER & VAN WINKLE, INC., 20 Bridge, Brooklyn, N. Y.
See adv index at end of book

Newcomb Spring Co., 237 40th, Brooklyn, N. Y. *See adv index at end of book*

New York Wire & Spring Co., Uptown Box 6043, Hoboken, N. J.
See adv index at end of book

Pittsburgh Spring & Steel Co., Farmers' Bank bldg, Pittsburgh, Pa.

Railway Steel Spring Co., 30 Church, New York

Raymond Mfg. Co., Corry, Pa.
See adv index at end of book

Springfield Spring Co., Springfield, O.

STANDARD SPRING & MFG. CO., 237 42nd, Brooklyn, N. Y.
See adv index at end of book

Superior Spring Co., Springfield, Ohio

Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*

Springs (Grain Drill)

See Springs, Agricultural Implement

14019a— Springs (Gun)

Barnes-Gibson-Raymond, Inc., 6400 Miller av, Detroit, Mich.
See adv index at end of book

BARNES, THE WALLACE CO. ("Barnes Made" Wire, Flat & Milled), 18 Wallace, Bristol, Conn.
See adv index at end of book

Cook Spring Co., Ann Arbor, Mich.
See adv index at end of book

Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*

Lee Spring Co., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*

Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y.
See adv index at end of book

Superior Spring Co., Springfield, Ohio

Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*

14020— Springs (Hair)

Austin & Smith Co., 164 Brewery, New Haven, Conn. *See adv index at end of book*

Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*

Manross F. N. & Sons ("Manross" Non-Magnetic for Marine Clocks, Steam Gauges, Electrical Instruments, etc.), Forestville, Conn.

Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y.
See adv index at end of book

Niles Steel Products Co., Niles, Ohio
See adv index at end of book

PECK SPRING CO., Plainville, Conn.
See adv index at end of book

Superior Spring Co., Springfield, Ohio

14021— Springs (Helical)

AMERICAN SPIRAL SPRING & MFG. CO., 5600 Harrison, Pittsburgh, Pa.
See adv index at end of book

AMERICAN STEEL & WIRE CO., 208 S **La Salle, Chicago, Ill.**
See adv index at end of book

Barnes-Gibson-Raymond, Inc., 6400 Miller av, Detroit, Mich.
See adv index at end of book

Barnes The Wallace Co., 18 Wallace, Bristol, Conn.
See adv index at end of book

Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book

Cary Spring Works, 240 W 29th, New York

Chatillon John & Sons (Steel), 85H Cliff, New York

CHICAGO COIL SPRING CO., 327 N Albany av, Chicago, Ill.
See adv index at end of book

Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.

Cook Spring Co., Ann Arbor, Mich.
See adv index at end of book

Crucible Steel Co. of America, 17 E 42d, New York

Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book

Duer Spring & Mfg. Co. Inc., Mulberry, McKees Rocks, Pa.
See adv index at end of book

DUNBAR BROTHERS CO. ("Dunbar") 80 South, Bristol, Conn.
See adv index at end of book

Fort Pitt Spring & Mfg. Co., Dept. H, McKees Rocks, Pa.

Foster Bros. Mfg. Co., Utica, N. Y.

Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*

Lee Spring Co., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*

Manross F. N. & Sons, Forestville, Conn.

Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y.
See adv index at end of book

NEWCOMB SPRING CO., 237 40th, Brooklyn, N. Y.
See adv index at end of book

New York Wire & Spring Co., Uptown Box 6043, Hoboken, N. J.
See adv index at end of book

PECK SPRING CO., Plainville, Conn.
See adv index at end of book

Pittsburgh Spring & Steel Co., Farmers' Bank bldg, Pittsburgh, Pa.

Railway Steel Spring Co., 30 Church, New York

Raymond Mfg. Co., Corry, Pa.
See adv index at end of book

STANDARD SPRING & MFG. CO., 237 42nd, Brooklyn, N. Y.
See adv index at end of book

Superior Spring Co., Springfield, Ohio

Union Spring & Mfg. Co., New Kensington, Pa.

Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*

14022— Springs (Hinge)

Advance Spring & Wire Co., 1749H Carroll av, Chicago, Ill.

AMERICAN SPIRAL SPRING & MFG. CO., 5600 Harrison, Pittsburgh, Pa.
See adv index at end of book

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book

Austin & Smith Co. (Small), 164 Brewery, New Haven, Conn.

Barnes-Gibson-Raymond, Inc., 6400 Miller av, Detroit, Mich.
See adv index at end of book

Barnes The Wallace Co., Bristol, Conn.
See adv index at end of book

CHICAGO COIL SPRING CO., 327 N Albany av, Chicago, Ill.
See adv index at end of book

Cook Spring Co., Ann Arbor, Mich.
See adv index at end of book

Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book

Duer Spring & Mfg. Co. Inc., Mulberry, McKees Rocks, Pa.
See adv index at end of book

Dunbar Bros. Co., 80 South, Bristol, Conn.
See adv index at end of book

Hubbard Spring Wks., Pontiac, Mich.

Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*

Lee Spring Co., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*

Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y.
See adv index at end of book

Newcomb Spring Co., 237 40th, Brooklyn, N. Y. *See adv index at end of book*

PECK SPRING CO., Plainville, Conn.
See adv index at end of book

Raymond Mfg. Co., Corry, Pa.
See adv index at end of book

Standard Spring & Mfg. Co., 237 42nd, Brooklyn, N. Y.
See adv index at end of book

Superior Spring Co., Springfield, Ohio

14022a—Springs (Ignition, Starting and Lighting)

American Spiral Spring & Mfg. Co., 5600 Harrison, Pittsburgh, Pa.
See adv index at end of book

Austin & Smith Co., 164 Brewery, New Haven, Conn.
See adv index at end of book

Barnes-Gibson-Raymond, Inc., Miller av, Detroit, Mich.
See adv index at end of book

BARNES, THE WALLACE CO. ("Barnes Made"), 18 Wallace, Bristol, Conn.
See adv index at end of book

Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book



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High-grade machinery springs of carbon and vanadium steel, brass, phosphor bronze, etc.

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Humason Mfg. Co., Forestville Station, Bristol, Conn.
Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*
Newcomb Spring Co., 237 40th, Brooklyn, N. Y. *See adv index at end of book*
PECK SPRING CO., Plainville, Conn.
See adv index at end of book
Raymond Mfg. Co., Corry, Pa.
See adv index at end of book
Superior Spring Co., Springfield, Ohio

14022b—Springs (Legging)

Barnes-Gibson-Raymond, Inc., 6400 Miller av, Detroit, Mich.
See adv index at end of book
Barnes The Wallace Co., 18 Wallace, Bristol, Conn.
See adv index at end of book
DUNBAR BROS. CO. ("Dunbar"), 80 South, Bristol, Conn.
See adv index at end of book
Lee Spring Co., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*
Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y.
See adv index at end of book
Reisner W. H. Mfg. Co., Hagerstown, Md.
Standard Spring & Mfg. Co., 237 42nd, Brooklyn, N. Y.
See adv index at end of book
Stimpson Edwin B. Company, 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*

Springs (Locomotive)

See Springs, Car

14023— Springs (Loom)

American Spiral Spring & Mfg. Co., 5600 Harrison, Pittsburgh, Pa.
See adv index at end of book
Barnes-Gibson-Raymond, Inc., 6400 Miller av, Detroit, Mich.
See adv index at end of book
BARNES, THE WALLACE CO. ("Barnes Made"), 18 Wallace, Bristol, Conn.
See adv index at end of book
Cook Spring Co., Ann Arbor, Mich.
See adv index at end of book
Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book
Disston Hy. & Sons, Tacony, Phila., Pa.
Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*
Lee Spring Co., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*
Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y.
See adv index at end of book
Newcomb Spring Co., 237 40th, Brooklyn, N. Y. *See adv index at end of book*
Raymond Mfg. Co., Corry, Pa.
See adv index at end of book
Standard Spring & Mfg. Co., 237 42nd, Brooklyn, N. Y.
See adv index at end of book
Superior Spring Co., Springfield, Ohio
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*

14024— Springs (Machinery)

See also Springs, Agricultural Implement
Advance Spring & Wire Co., 1749H Carroll av, Chicago, Ill.
American Spiral Spring & Mfg. Co., 5600 Harrison, Pittsburgh, Pa.
See adv index at end of book
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Austin & Smith Co. (Small), 164 Brewery, New Haven, Conn.
See adv index at end of book
Automatic Wire Goods Mfg. Co., 386 Canal pl, New York
Barnes-Gibson-Raymond, Inc., 6400 Miller av, Detroit, Mich.
See adv index at end of book
BARNES, THE WALLACE CO. ("Barnes-Made"), 18 Wallace, Bristol, Conn.
See adv index at end of book
Betts Spring Co., 888 Folsom, San Francisco, Cal.
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Cary Spring Works, 240 W 29th, New York
CHICAGO COIL SPRING CO., 327 N Albany av, Chicago, Ill.
See adv index at end of book
Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.
COOK SPRING CO., Ann Arbor, Mich.
See adv index at end of book
Crucible Steel Co. of America, 17 E 42d, New York
CUYAHOGA SPRING CO. (THE) 10253 Berea rd, Cleveland, O.
See adv index at end of book
Duer Spring & Mfg. Co. Inc., Mulberry, McKees Rocks, Pa.
See adv index at end of book
Dunbar Bros. Co. ("Dunbar"), 80 South, Bristol, Conn.
See adv index at end of book
Eureka Spring Co., 150 Bleecker, New York
Fischer Chas. Spring Co., 240 Kent av, Brooklyn, N. Y.
Fort Pitt Spring & Mfg. Co., Dept. H, McKees Rocks, Pa.
Gibson Wm. D. Co. (Gas Engines), 1800 Clybourn av, cor. Willow, Chicago, Ill.
See adv index at end of book
Hebb Geo. A., 70 William, Newark, N. J.
Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*
Lee Spring Co., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*
Mattatuck Mfg. Co. (Small), Waterbury, Conn.
MILLER & VAN WINKLE CO., 20 Bridge, Brooklyn, N. Y.
See adv index at end of book
NEWCOMB SPRING CO., 237 40th, Brooklyn, N. Y.
See adv index at end of book
NEW YORK WIRE & SPRING CO., Uptown Box 6043, Hoboken, N. J.
See adv index at end of book
Otter Mfg. Co. Inc. (Flat & Spiral), 62 9th av, New York
PECK SPRING CO., Plainville, Conn.
See adv index at end of book
Pittsburgh Spring & Steel Co., Farmers' Bank bldg, Pittsburgh, Pa.
Railway Steel Spring Co., 30 Church, New York
Raymond Mfg. Co., Corry, Pa.
See adv index at end of book
Sabin Machine Co., Montpelier, Vt.
Springfield Spring Co., Springfield, O.
Standard Spring & Mfg. Co., 237 40th, Brooklyn, N. Y.
See adv index at end of book
Union Spring & Mfg. Co. (Coil), New Kensington Pa.
Vose Spring Co., 150 Bleecker, New York
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*
Wilson Spring Co. Inc., 320 Market, Newark, N. J.

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10253 BEREA RD., CLEVELAND, OHIO

14024a— *Springs (Mop)

Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book

14024b—*Springs (Motorcycle)

Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book

MOTORCYCLE SPRINGS

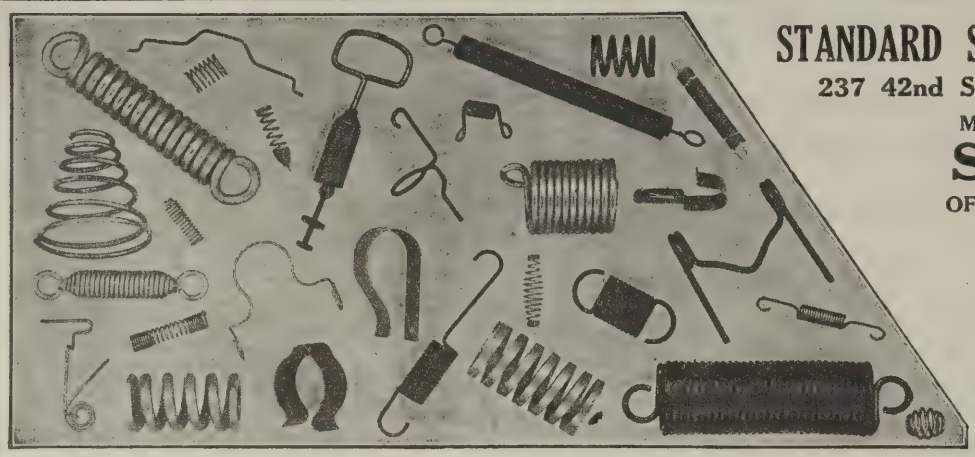
Cushion, Valve Springs, Seat Post and Fork Springs. Control Coils, etc. Also Special Wire Shapes.

THE CUYAHOGA SPRING CO.
10253 BEREA RD., CLEVELAND, OHIO

14025—Springs (Oil Tempered)

American Spiral Spring & Mfg. Co., 5600 Harrison, Pittsburgh, Pa.
See adv index at end of book
Automatic Wire Goods Mfg. Co., 386 Canal pl, New York
Barnes-Gibson-Raymond, Inc., 6400 Miller av, Detroit, Mich.
See adv index at end of book
Barnes The Wallace Co., 18 Wallace, Bristol, Conn. *See adv index at end of book*
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
C. G. Spring Co. ("C. G."), Kalamazoo, Mich.
Cary Spring Works, 240 W 29th, New York
Chatillion Jno. & Sons, 85 Cliff, New York
CHICAGO COIL SPRING CO., 327 N Albany av, Chicago, Ill.
See adv index at end of book
Cleveland Wire Spring Co. (Wire), 1281 E 38th, Cleveland, Ohio
COOK SPRING CO. (For Various Purposes), Ann Arbor, Mich.
See adv index at end of book
Crucible Steel Co. of America., 17 E 42d, New York *See adv index at end of book*
Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book
Duer Spring & Mfg. Co. Inc., Mulberry, McKees Rocks, Pa.
See adv index at end of book
Dunbar Bros. Co. ("Dunbar"), 80 South, Bristol, Conn.
See adv index at end of book
Fort Pitt Spring & Mfg. Co., Dept. H, McKees Rocks, Pa.
Gibson Wm. D. Co., 1800 Clybourn av, cor. Willow Chicago, Ill.
See adv index at end of book
Humason Mfg. Co., Forestville Station, Conn.
Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*
Iron City Spring Co., 1930 Smallman, Pittsburgh, Pa.
LEE SPRING CO., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*
Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y.
See adv index at end of book
New York Wire & Spring Co., Uptown Box 6043, Hoboken, N. J.
See adv index at end of book
Newcomb Spring Co., 237 40th, Brooklyn, N. Y. *See adv index at end of book*
Otter Mfg. Co. Inc. (Flat & Spiral), 62 9th av, New York
Pittsburgh Spring & Steel Co., 307 6th av, Pittsburgh, Pa.
Railway Steel Spring Co., 30 Church, New York
Raymond Mfg. Co., Corry, Pa.
See adv index at end of book

(Continued on following page)



STANDARD SPRING & MFG. CO.
237 42nd Street, Brooklyn, N. Y.
MANUFACTURERS OF
SPRINGS
OF EVERY DESCRIPTION
Wire Forming
Stampings
and
Novelties
We specialize in rush orders
Service First, Last and Always

Springs (Oil Tempered)—Continued

Sabin Machine Co., Montpelier, Vt.
Standard Spring & Mfg. Co., 237 42nd, Brooklyn, N. Y.
See adv index at end of book
Superior Spring Co., Springfield, Ohio
Union Spring & Mfg. Co., New Kensington, Pa.
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*

14026— Springs (Organ)

American Spiral Spring & Mfg. Co., 5600 Harrison, Pittsburgh, Pa.
See adv index at end of book
Austin & Smith Co., 164 Brewery, New Haven, Conn.
See adv index at end of book
Barnes-Gibson-Raymond, Inc., 6400 Miller av, Detroit, Mich.
See adv index at end of book
BARNES, THE WALLACE CO. ("Barnes-Made"), Bristol, Conn.
See adv index at end of book
Cary Spring Works, 240 W 29th, New York
CHICAGO COIL SPRING CO., 327 N Albany av, Chicago, Ill.
See adv index at end of book
Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.
DUNBAR BROS. CO. ("Dunbar" & Piano), 80 South, Bristol, Conn.
See adv index at end of book
Humason Mfg. Co. (Also Piano), Forestville Station, Bristol, Conn.
Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*
Lee Spring Co., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*
Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y.
See adv index at end of book
New York Wire & Spring Co., Uptown Box 6043, Hoboken, N. J.
See adv index at end of book
Peck Spring Co., Plainville, Conn.
See adv index at end of book
Raymond Mfg. Co., Corry, Pa.
See adv index at end of book
Sabin Machine Co., Montpelier, Vt.
Standard Spring & Mfg. Co., 237 42nd, Brooklyn, N. Y.
See adv index at end of book
Superior Spring Co., Springfield, Ohio
Waterbury Hair Spring Co., Waterbury, Conn.
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*

14026a— Springs (Phonograph)

Austin & Smith Co., 164 Brewery, New Haven, Conn.
See adv index at end of book
Barnes-Gibson-Raymond, Inc., 6400 Miller av, Detroit, Mich.
See adv index at end of book
BARNES, THE WALLACE CO. ("Barnes-Made"), 18 Wallace, Bristol, Conn.
See adv index at end of book
DUNBAR BROS. Co. ("Dunbar"), 80 South, Bristol, Conn.
See adv index at end of book
Farrington & Co., Inc., Mt. Vernon, N. Y.
General Phonograph Corp., 15 W 18th, New York
Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*
Peck Spring Co., Plainville, Conn.
See adv index at end of book
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*

14027—Springs (Phosphor Bronze)

American Spiral Spring & Mfg. Co., 5600 Harrison, Pittsburgh, Pa.
See adv index at end of book
Austin & Smith Co., 164 Brewery, New Haven, Conn.
See adv index at end of book
Barnes-Gibson-Raymond, Inc., 6400 Miller av, Detroit, Mich.
See adv index at end of book
BARNES, THE WALLACE CO. ("Barnes-Made"), 18 Wallace, Bristol, Conn.
See adv index at end of book
CHICAGO COIL SPRING CO., 327 N Albany av, Chicago, Ill.
See adv index at end of book
COOK SPRING CO., Ann Arbor, Mich.
See adv index at end of book
CUYAHOGA SPRING CO. (THE), 10253 Berea rd, Cleveland, O.
See adv index at end of book
Duer Spring & Mfg. Co. Inc., Mulberry, McKees Rocks, Pa.
See adv index at end of book
DUNBAR BROS CO. ("Dunbar"), 80 South, Bristol, Conn.
See adv index at end of book
Hubbard Spring Wks., Pontiac, Mich.
Humason Mfg. Co., Forestville Sta., Conn.
Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*
LEE SPRING CO., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*
Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y.
See adv index at end of book
NEWCOMB SPRING CO., 237 40th, Brooklyn, N. Y.
See adv index at end of book
New York Wire & Spring Co., Uptown Box 6043, Hoboken, N. J.
See adv index at end of book
Raymond Mfg. Co., Corry, Pa.
See adv index at end of book
Revere Rubber Co., Chelsea, Mass.
Springfield Spring Co., Springfield, Ohio
STANDARD SPRING & MFG. CO., 237 42nd, Brooklyn, N. Y.
See adv index at end of book
Superior Spring Co., Springfield, Ohio
Union Spring & Mfg. Co., New Kensington, Pa.
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*

14028—Springs (Pipe Bending)

American Spiral Spring & Mfg. Co., 5600 Harrison, Pittsburgh, Pa.
See adv index at end of book
Barnes The Wallace Co., 18 Wallace, Bristol, Conn.
See adv index at end of book
Bernz Co., Inc., Otto, 17 Ashland, Newark, N. J.
See adv index at end of book
Cary Spring Works, 240 W 29th, New York
Cleveland Wire Spring Co. ("Perfect"), 1281 E 38th, Cleveland, O.
Cook Spring Co., Ann Arbor, Mich.
See adv index at end of book
Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book
Dunbar Bros. Co. ("Dunbar"), 80 South, Bristol, Conn.
See adv index at end of book
Gibson Wm. D. Co., 1800 Clyourn av, cor. Willow, Chicago, Ill.
See adv index at end of book
Lee Spring Co., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*
Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y.
See adv index at end of book
New York Wire & Spring Co., Uptown Box 6043, Hoboken, N. J.
See adv index at end of book
Raymond Mfg. Co. (Plumbers), Corry, Pa.
See adv index at end of book
Springfield Spring Co., Springfield, Ohio
Standard Spring & Mfg. Co., 237 42nd, Brooklyn, N. Y.
See adv index at end of book
Starbuck R. M. & Sons ("Starbuck"), Hartford, Conn.
Superior Spring Co., Springfield, Ohio
Vose Spring Co., 150 Bleecker, New York
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*

14029—Springs (Pop Valve)

American Spiral Spring & Mfg. Co., 5600 Harrison, Pittsburgh, Pa.
See adv index at end of book
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Austin & Smith Co., 164 Brewery, New Haven, Conn.
See adv index at end of book
Barnes-Gibson-Raymond, Inc., 6400 Miller av, Detroit, Mich.
See adv index at end of book
Barnes The Wallace Co., Bristol, Conn.
See adv index at end of book
Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.
Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book
Duer Spring & Mfg. Co. Inc., Mulberry, McKees Rocks, Pa.
See adv index at end of book
Dunbar Bros. Co. ("Dunbar"), 80 South, Bristol, Conn.
See adv index at end of book
Fischer Chas. Spring Co., 240 Kent av, Brooklyn, N. Y.
Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*
Lee Spring Co., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*
Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y.
See adv index at end of book
New York Wire & Spring Co., Uptown Box 6043, Hoboken, N. J.
See adv index at end of book
Raymond Mfg. Co., Corry, Pa.
See adv index at end of book
Standard Spring & Mfg. Co., 237 42nd, Brooklyn, N. Y.
See adv index at end of book
Superior Spring Co., Springfield, Ohio
Ulmer J. C. Co. ("Lucas" Steel), 1791 E 38th, Cleveland, O.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

14030—Springs (Refrigerator Door)

American Spiral Spring & Mfg. Co., 5600 Harrison, Pittsburgh, Pa.
See adv index at end of book
Barnes, The Wallace Co., 18 Wallace, Bristol, Conn.
See adv index at end of book
Cary Spring Works, 240 W 29th, New York
CHICAGO COIL SPRING CO., 327 N Albany av, Chicago, Ill.
See adv index at end of book
Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book
Dunbar Bros. Co., 80 South, Bristol, Conn.
See adv index at end of book
Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*
Lee Spring Co., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*
National Refrigerator Co., 527 Koeln av, St. Louis, Mo.
New York Wire & Spring Co., Uptown Box 6043, Hoboken, N. J.
See adv index at end of book
Peck Spring Co., Plainville, Conn.
See adv index at end of book
Raymond Mfg. Co., Corry, Pa.
See adv index at end of book
Superior Spring Co., Springfield, Ohio
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

14031— Springs (Rubber)

Boston Belting Corp., 80 Elmwood av, Boston, Mass.
Canfield H. O. Co., 191 Housatonic, Bridgeport, Conn.
Cigol-Behrens Rubber Co., Lodi, N. J.
Cincinnati Rubber Mfg. Co. (Extractor), Norwood, Cincinnati, Ohio
See adv index at end of book
Combination Rubber Mfg. Co. (Wagon, Car, etc), Bloomfield, N. J.
Continental Rubber Works, Erie, Pa.
Elkhart Rubber Works, Elkhart, Ind.
Empire Tire & Rubber Corp., Trenton, N. J.
Essex Rubber Co., Trenton, N. J.
Goodrich B. F. Co., Akron, O.
Gutta Percha & Rubber Mfg. Co., 350 Madison av, New York
Hamilton Rubber Mfg. Co., Trenton, N. J.
Home Rubber Co., Trenton, N. J.
Manhattan Rubber Mfg. Co., Passaic, N. J.
Mercer Rubber Co. (Car Cylinder, Wagon etc.), Hamilton Sq, N. J.
National India Rubber Co., Bristol, R. I.
N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
New York Belting & Packing Co., 91 Chambers, New York
Pennsylvania Rubber Co., Jeannette, Pa.
Plymouth Rubber Co., Canton, Mass.
Quaker City Rubber Co. (Car, etc.), 672 Market, Phila., Pa.
See adv index at end of book
Republic Rubber Co., Youngstown, O.
Revere Rubber Co., Chelsea, Mass.
Schacht Rubber Mfg. Co., Huntington, Ind.
Seibel Air Spring Co. Inc. ("Seibel"), 785 Market, San Francisco, Cal.
Standard Woven Fabric Co., Walpole, Mass.
Superior Spring Co., Springfield, Ohio
United & Globe Rubber Co., Trenton, N. J.
U. S. RUBBER CO., 1790 Broadway, New York *See adv index at end of book*
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
Whitehead Bros. Rubber Co., Trenton, N. J.
Woven Steel Hose & Rubber Co., Trenton, N. J.

14032—Springs (Rubber Channeler)

Boston Belting Corp., 84 Linden Park, Boston, Mass.
Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book
Superior Spring Co., Springfield, Ohio

14033—Springs (Screen Door)

Austin & Smith Co. (Brass or Bronze Special), 164 Brewery, New Haven, Conn. *See adv index at end of book*
Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book
Hubbard Spring Co., Pontiac, Mich.
Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*
Lawrence Bros., Sterling, Ill.
Lee Spring Co., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*
Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y.
See adv index at end of book
National Mfg. Co., Sterling, Ill.
New York Wire & Spring Co., Uptown Box 6043, Hoboken, N. J.
See adv index at end of book
Raymond Mfg. Co., Corry, Pa.
See adv index at end of book
Standard Spring & Mfg. Co., 237 42nd, Brooklyn, N. Y.
See adv index at end of book
Superior Spring Co., Springfield, Ohio
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*

14033a— Springs (Shuttle)

Barnes The Wallace Co., 18 Wallace, Bristol, Conn.
See adv index at end of book
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book
Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*

14034— Springs (Small)

Advance Spring & Wire Co., 1749H Carroll av, Chicago, Ill.
American Spiral Spring & Mfg. Co., 5600 Harrison, Pittsburgh, Pa.
See adv index at end of book
AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank bldg, Chicago, Ill.
See adv index at end of book
Austin & Smith Co., 164 Brewery, New Haven, Conn.
See adv index at end of book
Automatic Wire Goods Mfg. Co., 386 Canal pl, New York
Barnes-Gibson-Raymond, Inc., 6400 Miller av, Detroit, Mich.
See adv index at end of book
Barnes The Wallace Co., 18 Wallace, Bristol, Conn.
See adv index at end of book
Cary Spring Works, 240 W 29th, New York
Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.
Cook Spring Co., Ann Arbor, Mich.
See adv index at end of book
Cuyahoga Spring Co (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book
Cyahoga Spring Co (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book

SMALL SPRINGS
From .008 to ½" ROUND WIRE
Made of any Spring Material
Also Special Wire Shapes
THE CUYAHOGA SPRING CO.
10253 BEREA RD., CLEVELAND, OHIO

D'Arcy Spring Co. (Cushion), Kalamazoo, Mich.
Dunbar Bros. Co. ('Dunbar"), 80 South, Bristol, Conn.
See adv index at end of book
Farrington & Co. Inc., Mt. Vernon, N. Y.
Fort Pitt Spring & Mfg. Co., Dept. H, McKees Rocks, Pa.
Gibson Wm. D. Co., 1800 Clybourn av, cor. Willow, Chicago, Ill.
See adv index at end of book
Girard Model Works, Girard, Pa.
Hubbard Spring Wks., Pontiac, Mich.
Humason Mfg. Co. (Spiral), Forestville Station, Conn.
Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*
Lee Spring Co., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*
Manross F. N. & Sons (Hair), Forestville, Conn.
Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y.
See adv index at end of book
National Spring & Wire Co., Albion, Mich.
New York Wire & Spring Co., Uptown Box 6043, Hoboken, N. J.
See adv index at end of book
Newcomb Spring Co., 237 40th, Brooklyn, N. Y. *See adv index at end of book*
Otter Mfg. Co., Inc., 62 9th av, New York
Peck Spring Co., Plainville, Conn.
See adv index at end of book
Railway Steel Spring Co., 30 Church, New York
Raymond Mfg. Co., Corry, Pa.
See adv index at end of book
Reynolds Spring Co. (Seat & Back Springs), Dept. H, Water at Bridge, Jackson, Mich.
Springfield Spring Co., Springfield, Ohio
Standard Spring & Mfg. Co., 237 42nd, Brooklyn, N. Y.
See adv index at end of book
Superior Spring Co., Springfield, Ohio
Timms Spring Co., Elyria, Ohio
Trenton Spring Mattress Co., Trenton, N. J.
Union Spring & Mfg. Co., New Kensington, Pa.
Washburn Wire Co., Phillipsdale, R. I.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Wing Chas. Co. (Cushion), Amesbury, Mass.

Springs (Spiral)

See Springs, Coil or Spiral

14035—Springs (Steam Gauge)

American Spiral Spring & Mfg. Co., 5600 Harrison, Pittsburgh, Pa.
See adv index at end of book
Austin & Smith Co., 164 Brewery, New Haven, Conn.
See adv index at end of book
Barnes-Gibson-Raymond, Inc., 6400 Miller av, Detroit, Mich.
See adv index at end of book
Barnes The Wallace Co., Bristol, Conn.
See adv index at end of book
Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book
Duer Spring & Mfg. Co. Inc., Mulberry, McKees Rocks, Pa.
See adv index at end of book
Dunbar Bros. Co. ("Dunbar"), 80 South, Bristol, Conn.
See adv index at end of book
Humason Mfg. Co., Forestville Sta, Conn.
Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*
Lee Spring Co., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*
Manross F. N. & Sons (Hair), Forestville, Conn.
Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y.
See adv index at end of book
New York Wire & Spring Co., Uptown Box 6043, Hoboken, N. J.
See adv index at end of book
Peck Spring Co., Plainville, Conn.
See adv index at end of book
Raymond Mfg. Co., Corry, Pa.
See adv index at end of book
Superior Spring Co., Springfield, Ohio
Wells A. H. & Co. ("Bourdon"), Waterbury, Conn.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

14035a— Springs (Steel)

American Spiral Spring & Mfg. Co., 5600 Harrison, Pittsburgh, Pa.
See adv index at end of book
Barnes Wallace Co., Bristol, Conn.
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
COOK SPRING CO., Ann Arbor, Mich.
Cuyahoga Spring Co (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book
Duer Spring & Mfg. Co. Inc., Mulberry, McKees Rocks, Pa.
See adv index at end of book
Dunbar Bros. Co., 80 South, Bristol, Conn.
See adv index at end of book
Gibson Wm. D. Co., 1802 Clybourn av & Willow, Chicago, Ill.
See adv index at end of book
Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*

14036—Springs (Switch & Signal)

Barnes, The Wallace Co., 18 Wallace, Bristol, Conn.
See adv index at end of book
Cary Spring Works, 240 W 29th, New York
Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.
Cook Spring Co., Ann Arbor, Mich.
See adv index at end of book
Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book
Duer Spring & Mfg. Co. Inc., Mulberry, McKees Rocks, Pa.
See adv index at end of book
DUNBAR BROS. CC. ("Dunbar"), 80 South, Bristol, Conn.
See adv index at end of book
Fort Pitt Spring & Mfg. Co., Dept. H, McKees Rocks, Pa.
Humason Mfg. Co., Forestville Sta., Conn.
Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*
Lee Spring Co., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*
Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y.
See adv index at end of book
Newcomb Spring Co., 237 40th, Brooklyn, N. Y. *See adv index at end of book*
New York Wire & Spring Co., Uptown Box 6043, Hoboken, N. J.
See adv index at end of book
Peck Spring Co., Plainville, Conn.
See adv index at end of book
Pittsburgh Spring & Steel Co., Farmers' Bank bldg, Pittsburgh, Pa.
Railway Steel Spring Co., 30 Church, New York
Standard Spring & Mfg. Co., 237 42nd, Brooklyn, N. Y.
See adv index at end of book
Superior Spring Co., Springfield, Ohio
Union Spring & Mfg. Co., New Kensington, Pa.
Union Tool Co. (Dies), 299H Norton, Rochester, N. Y.
WICKWIRE SPENCER STEEL CORP., 41 E 42nd, New York
See adv index at end of book

14037— Springs (Torsion)

American Spiral Spring & Mfg. Co., 5600 Harrison, Pittsburgh, Pa.
See adv index at end of book
AMERICAN STEEL & WIRE CO. (Round Wire, Square Steel, etc), 208 S La Salle, Chicago, Ill.
See adv index at end of book
Automatic Wire Goods Mfg. Co., 386 Canal pl, New York
Barnes-Gibson-Raymond, Inc., 6400 Miller av, Detroit, Mich.
See adv index at end of book
BARNES, THE WALLACE CO. ("Barnes Made"), 18 Wallace, Bristol, Conn.
See adv index at end of book
Cary Spring Works, 240 W 29th, New York
CHICAGO COIL SPRING CO., 327 N Albany av, Chicago, Ill.
See adv index at end of book
Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.
Cook Spring Co., Ann Arbor, Mich.
See adv index at end of book
Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book
Duer Spring & Mfg. Co. Inc., Mulberry, McKees Rocks, Pa.
See adv index at end of book
DUNBAR BROS CO. ("Dunbar"), 80 South, Bristol, Conn.
See adv index at end of book
Fischer Charles Spring Co., 240 Kent av, Brooklyn, N. Y.
Gibson Wm. D. Co., 1800 Clybourn av, cor. Willow, Chicago, Ill.
See adv index at end of book
Humason Mfg. Co., Forestville Station, Bristol, Conn.
Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*

(Continued on following page)

SPRINGS THE WILLIAM D. GIBSON CO. SPRINGS

1800 CLYBOURN AVE., COR. WILLOW ST.
CHICAGO, ILL.

ANY SIZE OR STYLE

COMPRESSION
EXTENSION
TORSION
FLAT

We can make springs from .006" wire up to 2" round or square steel bars.



ANY STEEL WHICH IS COMMERCIAL

CARBON
CHROME-VANADIUM
SPECIAL ALLOYS
PHOSPHOR-BRONZE
MUSIC WIRE
BRASS

Our engineers will assist you with spring problems. Send for our book on springs.

Springs (Torsion)—Continued

LEE SPRING CO., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*
MILLER & VAN WINKLE, INC., 20 Bridge, Brooklyn, N. Y. *See adv index at end of book*
New York Wire & Spring Co., Uptown Box 6043, Hoboken, N. J. *See adv index at end of book*
NEWOOMB SPRING CO., 237 40th, Brooklyn, N. Y. *See adv index at end of book*
PECK SPRING CO., Plainville, Conn. *See adv index at end of book*
Pittsburgh Spring & Steel Co., 307 6th av, Pittsburgh, Pa.
Raymond Mfg. Co., Corry, Pa. *See adv index at end of book*
Roller-Smith Co., 233 B'way, New York
Springfield Spring Co., Springfield, O.
Standard Spring & Mfg. Co., 237 42nd, Brooklyn, N. Y. *See adv index at end of book*
Superior Spring Co., Springfield, Ohio
Union Spring & Mfg. Co., New Kensington, Pa.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Young L. A. Industries Inc., 9020 Russell, Detroit, Mich.

14038—Springs (Track Scraper)

American Spiral Spring & Mfg. Co., 5600 Harrison, Pittsburgh, Pa. *See adv index at end of book*
Cook Spring Co., Ann Arbor, Mich. *See adv index at end of book*
Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, Ohio *See adv index at end of book*
Duer Spring & Mfg. Co. Inc., Mulberry, McKees Rocks, Pa. *See adv index at end of book*
Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*
Lee Spring Co., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*
Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y. *See adv index at end of book*
Raymond Mfg. Co., Corry, Pa. *See adv index at end of book*
Standard Spring & Mfg. Co., 237 42nd, Brooklyn, N. Y. *See adv index at end of book*
Superior Spring Co., Springfield, Ohio

14038a— Springs (Tractor)

American Spiral Spring & Mfg. Co., 5600 Harrison, Pittsburgh, Pa. *See adv index at end of book*
Barnes-Gibson-Raymond, Inc., 6400 Miller av, Detroit, Mich. *See adv index at end of book*
Barnes The Wallace Co., 18 Wallace, Bristol, Conn. *See adv index at end of book*
Betts Spring Co., 880H Folsom, San Francisco, Cal.
CHICAGO COIL SPRING CO., 327 N Albany av, Chicago, Ill. *See adv index at end of book*
Cook Spring Co., Ann Arbor, Mich. *See adv index at end of book*
Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, Ohio *See adv index at end of book*
Duer Spring & Mfg. Co. Inc., Mulberry, McKees Rocks, Pa. *See adv index at end of book*
Eaton Axle & Spring Co., Central & 65th, Cleveland, Ohio
Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*
Lee Spring Co., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*
Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y. *See adv index at end of book*
New York Wire & Spring Co., Uptown Box 6043, Hoboken, N. J. *See adv index at end of book*
Pittsburgh Spring & Steel Co., 307 6th av, Pittsburgh, Pa.
Raymond Mfg. Co., Corry, Pa. *See adv index at end of book*
Standard Spring & Mfg. Co., 237 42nd, Brooklyn, N. Y. *See adv index at end of book*
Superior Spring Co., Springfield, Ohio
Union Spring & Mfg. Co., New Kensington, Pa.
Vose Spring Co., 150 Bleecker, New York
WICKWIRE SPENCER STEEL CORP., 41 E 42nd, New York *See adv index at end of book*

14039— Springs (Trolley)

AMERICAN SPIRAL SPRING & MFG. CO., 5600 Harrison, Pittsburgh, Pa. *See adv index at end of book*
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill. *See adv index at end of book*
Barnes-Gibson-Raymond, Inc., 6400 Miller av, Detroit, Mich. *See adv index at end of book*
BARNES, THE WALLACE CO. ("Barnes Made"), 18 Wallace, Bristol, Conn. *See adv index at end of book*
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn. *See adv index at end of book*
Cary Spring Works, 240 W 29th, New York
CHICAGO COIL SPRING CO., 327 N Albany av, Chicago, Ill. *See adv index at end of book*
Cleveland Wire Spring Co. (Wire), 1281 E 38th, Cleveland, O.
Cook Spring Co., Ann Arbor, Mich. *See adv index at end of book*
Crucible Steel Co. of America, 17 E 42d, New York
Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, Ohio *See adv index at end of book*
Duer Spring & Mfg. Co. Inc., Mulberry, McKees Rocks, Pa. *See adv index at end of book*
Dunbar Bros. Co. ("Dunbar"), 80 South, Bristol, Conn. *See adv index at end of book*
Eureka Spring Co., 150 Bleecker, New York
Fort Pitt Spring & Mfg. Co., Dept. H, McKees Rocks, Pa.
Gibson Wm. D. Co., 1800 Clybourn av, cor. Willow, Chicago, Ill. *See adv index at end of book*
Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*
Lee Spring Co., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*
Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y. *See adv index at end of book*
New York Wire & Spring Co., Uptown Box 6043, Hoboken, N. J. *See adv index at end of book*
Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.
Pittsburgh Spring & Steel Co., Farmers' Bank bldg, Pittsburgh, Pa.
Railway Steel Spring Co., 30 Church, New York
Standard Spring & Mfg. Co., 237 42nd, Brooklyn, N. Y. *See adv index at end of book*
Superior Spring Co., Springfield, Ohio
Union Spring & Mfg. Co., New Kensington, Pa.
Vose Spring Co., 150 Bleecker, New York
WICKWIRE SPENCER STEEL CORP., 41 E 42nd, New York *See adv index at end of book*

14039a—*Springs (Typewriter)

Barnes Wallace Co. (The), 18 Wallace, Bristol, Conn. *See adv index at end of book*
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn. *See adv index at end of book*
Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, Ohio *See adv index at end of book*
Dunbar Bros. Co., 80 South, Bristol, Conn. *See adv index at end of book*

14039b— Springs (Valve)

Cuyahoga Spring Co., The, 10253 Berea rd, Cleveland, O. *See adv index at end of book*

VALVE SPRINGS

For Automobile, Aeroplane, Motorcycle Engines
Vanadium Steel Quality

THE CUYAHOGA SPRING CO.
10253 BEREA RD., CLEVELAND, OHIO

14040—Springs (Vanadium Steel)

American Spiral Spring & Mfg. Co., 5600 Harrison, Pittsburgh, Pa. *See adv index at end of book*
Austin & Smith Co., 164 Brewery, New Haven, Conn. *See adv index at end of book*
Barnes-Gibson-Raymond, Inc., 6400 Miller av, Detroit, Mich. *See adv index at end of book*
BARNES, THE WALLACE CO. ("Barnes Made"), 18 Wallace, Bristol, Conn. *See adv index at end of book*
Cary Spring Works, 240 W 29th, New York
CHICAGO COIL SPRING CO., 327 N Albany av, Chicago, Ill. *See adv index at end of book*
Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.
Cook Spring Co., Ann Arbor, Mich. *See adv index at end of book*
Crucible Steel Co. of America (Agricultural Car, Coil, Draft, Elliptic, Helical, Oil Tempered, etc.), 17 E 42d, New York
CUYAHOGA SPRING CO. (THE), 10253 Berea rd, Cleveland, Ohio *See adv index at end of book*
Duer Spring & Mfg. Co. Inc., Mulberry, McKees Rocks, Pa. *See adv index at end of book*
Dunbar Bros. Co. ("Dunbar"), 80 South, Bristol, Conn. *See adv index at end of book*
Gibson Wm. D. Co. (Small, Spiral & Special), 1800 Clybourn av, cor. Willow, Chicago, Ill. *See adv index at end of book*
Hubbard Spring Wks., Pontiac, Wash.
Humason Mfg. Co., Forestville Station, Bristol, Conn.
Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*
Iron City Spring Co., 2920 Smallman, Pittsburgh, Pa.
LEE SPRING CO., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*
MILLER & VAN WINKLE, INC. (Small Spiral & Special), 20 Bridge, Brooklyn, N. Y. *See adv index at end of book*
NEW YORK WIRE & SPRING CO., Uptown Box 6043, Hoboken, N. J. *See adv index at end of book*
Palmer Jos. (Automobile, Carriage, Wagon & Railroad), 333 Rutherford av, Boston, Mass.
Peck Spring Co., Plainville, Conn. *See adv index at end of book*
Penn Spring Works (Automobile), Baldwinsville, N. Y.
Pittsburgh Spring & Steel Co. (Coil, Leaf, Locomotive, Car & Special), 307 6th av, Pittsburgh, Pa.
Railway Steel Spring Co., 30 Church, New York
Raymond Mfg. Co. (Small Coil & Special), Corry, Pa. *See adv index at end of book*
Rowland Wm. & Harvey (Inc.) (Automobile, etc.), Tacony & Lewis, Phila., Pa.



Springfield Spring Co., Springfield, O.
Standard Spring & Mfg. Co., 237 42nd, Brooklyn, N. Y.
See adv index at end of book
Superior Spring Co., Springfield, O.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

14041-2— Springs (Window)

Austin & Smith Co. (Small), 164 Brewery, New Haven, Conn.
See adv index at end of book
Barnes Wallace Co. (The), 18 Wallace, Bristol, Conn.
See adv index at end of book
Cook Spring Co., Ann Arbor, Mich.
See adv index at end of book
Cuyahoga Spring Co., 10253 Berea rd, Cleveland, O.
See adv index at end of book
Dunbar Bros. Co. ("Dunbar Springs"), Bristol, Conn.
See adv index at end of book
Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa. *See adv index at end of book*
Lee Spring Co., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*
Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y.
See adv index at end of book
New York Wire & Spring Co., Uptown Box 6043, Hoboken, N. J.
See adv index at end of book
Stanley Works ("Sweet's" & "Jenk's"), New Britain, Conn.
Superior Spring Co., Springfield, O.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

14043— Springs (Wire)

Advance Spring & Wire Co., 1749H Carroll av, Chicago, Ill.
American Spiral Spring & Mfg. Co., 5600 Harrison, Pittsburgh, Pa.
See adv index at end of book
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Austin & Smith Co. (Small), 164 Brewery, New Haven, Conn.
See adv index at end of book
Automatic Wire Goods Mfg. Co., 386 Canal pl, New York
Barnes-Gibson-Raymond, Inc., 6400 Miller av, Detroit, Mich.
See adv index at end of book
BARNES, THE WALLACE CO. ("Barnes-Made"), 18 Wallace, Bristol, Conn.
See adv index at end of book
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Cary Spring Works, 240 W 29th, New York
Chatillon Jno. & Sons (Cast Steel), 85 Cliff, New York
Chicago Coil Spring Co., Albany & Carroll av, Chicago, Ill.
Cleveland Wire Spring Co. (Oil Tempered, etc), 1281 E 38th, Cleveland, O.
COOK SPRING CO., Ann Arbor, Mich.
See adv index at end of book
Crucible Steel Co. of America, 17 E 42d, New York
CUYAHOGA SPRING CO., 10253 Berea rd, Cleveland, Ohio
See adv index at end of book
Dellenbarger, C. E. Co., Joliet, Ill.
Duer Spring & Mfg. Co. Inc., Mulberry, McKees Rocks, Pa.
See adv index at end of book
DUNBAR BROS. CO. ("Dunbar"), 80 South, Bristol, Conn.
See adv index at end of book
Farrington & Co., Inc. (Small), Mt. Vernon, N. Y.
FISCHER CHAS. SPRING CO., 240 Kent av, Brooklyn, N. Y.
Fort Pitt Spring & Mfg. Co., Dept. H, McKees Rocks, Pa.
Foster Bros. Mfg. Co., Utica, N. Y.
Gardner Wire Co. (Coil, All Kinds Made From Round & Square Wire), 5045 W Lake, Chicago, Ill.
Gaynor Mfg. Co. (Spiral), Bridgeport, Conn
Goetz Chas. & Co., 2548 S Kedzie av, Chicago, Ill.
Hubbard Spring Wks., Pontiac, Mich.
Humason Mfg. Co., Forestville Station, Bristol, Conn.
Hunter Pressed Steel Co., 200 Pierce, Lansdale, Pa.
See adv index at end of book
Lee Spring Co., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
LUDLOW-SAYLOR WIRE CO., 600-640 S Newstead av, St. Louis, Mo.
See adv index at end of book
Manross, F. N. & Sons (Hair), Forestville, Conn.
MILLER & VAN WINKLE, INC., 20 Bridge, Brooklyn, N. Y.
See adv index at end of book
National Spring & Wire Co. ("Black Velvet" Cushion & Black Auto & Carriage, etc), Albion, Mich.
NEWCOMB SPRING CO., 237 40th, Brooklyn, N. Y. *See adv index at end of book*
NEW YORK WIRE & SPRING CO., Uptown Box 6043, Hoboken, N. J.
See adv index at end of book
Peck Spring Co., Plainville, Conn.
See adv index at end of book
Pittsburgh Spring & Steel Co., Farmers' Bank bldg, Pittsburgh, Pa.
Railway Steel Spring Co., 30 Church, New York
Raymond Mfg. Co., Corry, Pa.
See adv index at end of book
Sabin Machine Co., Montpelier Vt.
Springfield Spring Co., Springfield, O.
Standard Spring & Mfg. Co., 237 42nd, Brooklyn, N. Y.
See adv index at end of book
Superior Spring Co., Springfield, O.
Timms Spring Co., Elyria, Ohio
Tuck Mfg. Co., Brockton, Mass.
Union Spring & Mfg. Co., New Kensington, Pa.
Washburn Co. (Wire Goods Div.), 28 Union, Worcester, Mass.
Washburn Wire Co. (Clock, etc), Phillipsdale, R. I.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

14044—Sprinklers (Automatic Fire)

Automatic Fire Alarm Co., 416 B'way, New York
Automatic Sprinkler Co. of America ("Manufacturers," "Niagara"), 122 William, New York
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
Barth L. & Son (Dirs.), H, Cooper sq, New York
California Automatic Fire Sprinkler Co., 208 Commercial, Los Angeles, Cal.
Conran Standpipe Co., 7 Jacobs, New York
Crowder Bros., 2013 Locust, St. Louis, Mo.
Daly M. J. & Sons (Engineers for Installation, etc.), Waterbury, Conn.
Esty Sprinkler Co., Laconia, N. H.
Fire Protection Engineering Co., 142 Sansome, San Francisco, Cal.
Foamite-Childs Corporation, 101 Turner, Utica, N. Y.
Globe Automatic Sprinkler Co. ("Globe"), 2035H Washington av, Phila., Pa.
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
Independent Aetna Sprinkler Co., 2325 N. 11th, Phila., Pa.
Independent Automatic Sprinkler Co., 72 Natoma, San Francisco, Cal.
International Sprinkler Co., 123 William, New York
Pacific Fire Extinguisher Co., 440 Howard, San Francisco, Cal.
PITTSBURGH-DES MOINES STEEL CO. 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Rhode Island Supply & Sprinkler Co., 156 West Exchange, Providence, R. I.
Rockwood Sprinkler Co. ("Rockwood Sprinkler Systems"), Worcester, Mass.
Simmons John Co., 110 Centre, New York
See adv index at end of book
U. S. Automatic Sprinkler Co., 179 E 92nd, New York
Vogel H. G. Co. ("Esty"), 15 W 37th, New York
Western Automatic Sprinkler Co., 204 N Los Angeles, Los Angeles, Cal.
Wyckoff & Lloyd Co., 37 Worthington, Springfield, Mass.

14045— Sprinklers (Clothes)

Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.

14046— Sprinklers (Coal)

Edna Brass Mfg. Co., 523 Reading rd, Cincinnati, Ohio
Franklin Railway Supply Co., Inc. ("Franklin"), 17 E 42nd, New York
Manning Maxwell & Moore, Inc. (Hancock Inspirator Co., Div.), 100 E 42nd, New York
See adv index at end of book
Nathan Mfg. Co., 21 E 40th, New York

14047—*Sprinklers (Golf Course)

Buckner Mfg. Co., 95 Blackstone av, Fresno, Cal.

14048— Sprinklers (Hose)

Almirall & Co., 66 B'way, New York
Boekel Wm. & Co., 518 Vine, Phila., Pa.
Buckeye Iron & Brass Works, Dayton, O.
Buffum Tool Co. ("Swastika" Rose Head, for Hose), South Side, Louisiana, Mo.
CHICAGO FLEXIBLE SHAFT CO. ("Stewart" Lawn), 1150 S Central av, Chicago
See adv index at end of book
Electric Hose & Rubber Co. ("Electric," "Improved Electric," "Mist," "Onoko," "Tamaqua," "Tarrapin"), 12th & Dure, Wilmington, Del.
Elkhart Brass Mfg. Co. ("Hoosier" & "Acme" & "Elk"), Elkhart, Ind.
Nelson, L. R. ("Crescent"), 1810 S Washington, Peoria, Ill.
Thompson Mfg. Co., Los Angeles, Cal.

14049— Sprinklers (Keg)

Kaestner & Hecht Co., 500 Throop, Chicago, Ill.

14050— Sprinklers (Park)

Buckner Mfg. Co. ("Golf King"), 95 Blackstone av, Fresno, Cal.
Clow Jas. B. & Sons (Arm Revolving Spray, etc.), Franklin & Harrison, Chicago, Ill.
Hadden Automatic Sprinkler Co., 934 Maple av, Los Angeles, Cal.
Heim H. E., 312 Pine, Portland, Ore.
Madewell Pipe & Culvert Works ("Madewell"), E 18th & 25th av, Oakland, Cal.
Spray Engineering Co. ("Boston Giant"), 62 High, Boston, Mass.
See adv index at end of book
Thompson Mfg. Co., 2468 E 8th, Los Angeles, Cal.
Tuthill J. A., 1006 N Highland av, Los Angeles, Cal.

14051—Sprinklers (Plant, Rubber)

Davol Rubber Co., 69 Point, Providence, R. I.
Scolley John A., 74 Myrtle av, Brooklyn, N. Y.

14052— Sprinklers (Potato)

Aspinwall Mfg. Co., Jackson, Mich.
Peppler Thomas Son & Co., (Two Row), Highstown, N. J.
Potato Implement Co. (Compressed Air, Knapsack Powder Guns, etc), Traverse City, Mich.

14053— Sprinklers (Sand)

Abresch Chas. Co., 398 4th, Milwaukee, Wis.
American Seeding Machine Co., Springfield, O.
Haass Chas. & Co., 508 E 19th, New York

Sprinkling Cars (Street Railway)

See Cars, Sprinkling, Street Railway

14053a—Sprockets (Compensating)

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Morse Chain Co., Ithaca, N. Y.
See adv index at end of book
Union Chain & Mfg. Co., Sandusky, O.

14054— Sprockets (High Speed Chain)

American High Speed Chain Co., 225 E South, Indianapolis, Ind.
Boston Gear Works, Norfolk Downs, Quincy, Mass.
See adv index at end of book
Cullman Wheel Co. ("Cullman"), 1346 Altgeld, Chicago, Ill.
GRANT GEAR WORKS, Pearl & Purchase, Boston, Mass.
See adv index at end of book
Howe Chain Co., Dept. H, Muskegon, Mich.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
McKain Mfg. Co., 919 N Main, Los Angeles, Cal.
MORSE CHAIN CO ("Morse"), Ithaca, N. Y.
See adv index at end of book
Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.
Stevenson Gear Co., 1019 Cornell, Indianapolis, Ind.

14054a—*Sprockets (Manganese Steel)

Am. Tube & Stamping Co., Dept. H, Bridgeport, Conn.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
Moore & Moore, Inc. (Dirs. Chain), H Colonial Trust bldg., Reading, Penn.
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.

14054b—Sprockets (Monel Metal)

INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Sholes, Inc., 186 Lafayette, New York
Union Chain & Mfg. Co., Sanduksy, Ohio

14055—Sprockets (Motor Cycle & Bicycle)

Great Gear Works, Pearl & Purchase, **Boston, Mass.**
See adv index at end of book
Great Western Mfg. Co. (Bicycle & Velocipedes), La Port, Ind.
Hydraulic Pressed Steel Co., 3152 E 61st, Cleveland, O.
Parish & Bingham Co., Madison av & W 106th, Cleveland, O.

14056—Sprockets (Roller & Block Chain)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Boston Gear Works, Norfolk Downs, Quincy, Mass.
See adv index at end of book
Brown-Lipe-Chapin Co., Syracuse, N. Y.
Colburn Gear & Mfg. Co. Inc., 1 Woodworth, Dorchester, Boston, 22, Mass.
Connecticut Gears, Inc. ("Connecticut"), 545 Cooke, Waterbury, Conn.
Cullman Wheel Co., 1346 Altgeld, Chicago, Ill.
Diamond Chain & Mfg. Co., 502 Kentucky av, Indianapolis, Ind.
See adv index at end of book
DUNDORE MFG. CO., 224 Orange, Reading, Pa.
Grant Gear Works, Pearl & Purchase, Boston, Mass.
See adv index at end of book
Howe Chain Co., Dept. H, **Muskegon, Mich.**
Janney & Co., Montgomery, Ala.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Stevenson Gear Co., 11th & Cornell, Indianapolis, Ind.
Union Chain & Mfg. Co., Sandusky, O.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

14056a—Sprockets (Silent Chain)

BOSTON GEAR WORKS, Norfolk Downs, Quincy, Mass.
See adv index at end of book
Grant Gear Works, Pearl & Purchase, Boston, Mass. *See adv index at end of book*
LINK-BELT COMPANY, 300 W Pershing rd, Chicago
See adv index at end of book
MORSE CHAIN CO., Ithaca, N. Y.
See adv index at end of book

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2145-30

Stevenson Gear Co., 1019 Cornell, Indianapolis, Ind.
Union Chain & Mfg. Co., Sandusky, O.

14057— Spuds (Bark)

American Axe & Tool Co., Glassport, Pa.
American Logging Tool Co., Evart, Mich.
Ransome Concrete Machinery Co., Dunellen, N. J.
Romer Axe & Tool Co., Dunkirk, N. Y.
Warren Axe & Tool Co., Warren, Pa.
White G. Axe Co., Honesdale, Pa.

14058-9— Spuds (Closet)

Bridgeport Brass Co. (Water Closet), E Main, Bridgeport, Conn.
Trenton Brass & Machine Co. ("Sanitas," "Eureka," "Maddock"), Trenton, N. J.

14060— Spuds (Lawn)

Union Fork & Hoe Co. (Steel Blade Dandelion), Columbus, O.
Wagner Mfg. Co. ("Wagner" Lawn Spud & Transplanter), Cedar Falls, Ia.

14061— Spurs (Horse)

Bartley Bros. & Hall, 50 Warren, New York
Buermann August Mfg. Co., 220 Jelliff av, Newark, N. J.
Elbel Co., Canton, O.
Morales M., 5 Union av, Portland, Ore.
North & Judd Mfg. Co. ("Anchor Brand"), New Britain, Conn.

14062—Spurs & Points (Ladder)

Auer John Jr. (Wrought Steel), 197 Middleton, Brooklyn, N. Y.
Safety First Supply Co., 107 Third av, Pittsburgh, Pa.

14063— Squares (Bevel)

Disston Henry & Sons, Tacony, Phila., Pa.
Starrett L. S. Co., Athol, Mass.

14064— Squares (Caliper)

Brown & Sharpe Mfg. Co., Providence, R. I.
Starrett L. S. Co., Athol, Mass.

14065— Squares (Center)

Brown & Sharpe Mfg. Co., Providence, R. I.
Goodell-Pratt Co., Greenfield, Mass.
Starrett L. S. Co., Athol, Mass.

14066—Squares (Combination)

Athol Mach. & Foundry Co., Athol, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
Challenge Cutlery Corporation ("Fox's"), 58 Seymore, Bridgeport, Conn.
Crookston Tool Co. ("A. B. C." Protector Square), Crookston, Minn.
Disston Hy. & Sons, Tacony, Phila., Pa.
Goodell-Pratt Co. (Carpenters, etc), Greenfield, Mass.
Lufkin Rule Co., Saginaw, Mich.
Robinson M. W. Co. ("Rollis"), 296 B'way, New York
Sawyer Tool Mfg. Co., Ashburnham, Mass.
Starrett L. S. Co., Athol, Mass.
Union Tool Co., Orange, Mass.

14067—Squares (Iron & Steel)

Bourne-Fuller Co., Hanna bldg, Cleveland, Ohio
Breul Fred G. ("Fox's" All Steel Carpenters'), 282 Kossuth, Bridgeport, Conn.
Brown & Sharpe Mfg. Co. (Steel), Providence, R. I.
Calumet Steel Co., 208 S La Salle, Chicago, Ill.
Cassady, Fairbank Mfg. Co. (Steel Only), 6126 S La Salle, Chicago, Ill
Columbia Steel Co., 351H California, San Francisco, Cal.
Disston Hy. & Sons, Tacony, Phila., Pa.
Eagle Square Mfg Co. (Carpenters), S. Shaftsbury, Vt.
Elbel Mfg. Co. (Halter & Bridle), 826 Mulberry rd, Canton, Ohio
Forsyth Metal Goods Co. (Metal), E. Aurora, N. Y.
HARRISBURG PIPE & PIPE BENDING CO. (Low & High Carbon & Alloy Steels), Herr nr. 10th, Harrisburg, Pa.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Jennings C. E. & Co., 71 Murray, New York
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Nicholls Mfg. Co. ("Eureka" Framing Take-Down, Ottumwa, Ia.
Peck, Stow & Wilcox Co., Southington, Conn.
Sargent & Co., New Haven, Conn.
Sawyer Tool Mfg. Co., Ashburnham, Mass.
Simplex Tool Mfg. Co., Woonsocket, R. I.
Southington Hardware Co. (Carpenters), Southington, Conn.
Standard Steel & Wire Co., 1408 Cortland, Chicago, Ill.
Stanley Rule & Level Co., New Britain, Conn.

14068—Squares (Machinists')

Brown & Sharpe Mfg. Co., Providence, R. I.
Disston Hy. & Sons (Inc.), Tacony, Phila., Pa.
Goodell-Pratt Co., Greenfield, Mass.
Sawyer Tool Mfg. Co., Ashburnham, Mass.
Starrett L. S. Co., Athol, Mass.

14069— Squares (Protractor)

Crookston Tool Co. ("A-B-C"), Crookston, Minn.

14070-1—Squares (Rafter & Framing)

Sargent & Co., New Haven, Conn.

14072—Squares (Sliding Blade)

Goodell-Pratt Co., Greenfield, Mass.

14073— Squares ("T")

American Drafting Furniture Co. ("American" Automatic), 129 Mill, Rochester, N. Y.
Challenge Cutlery Corporation ("Fox's"), 58 Seymore, Bridgeport, Conn.
Deane E. L. Machine Co. ("Deane's"), Holyoke, Mass.
Defiance Mfg. Co., 384-6 B'way, New York
Dietzgen Eugene Co., 166 W Monroe, Chicago, Ill.
Disston Henry & Sons, Tacony, Phila, Pa.
Elliott B. K. Co., 126 6th, Pittsburgh, Pa.
Emmert Mfg. Co. ("Emmert" Vertical), Waynesboro, Pa.
Keuffel & Esser Co., Hoboken, N. J.
Starrett L. S. Co., Athol, Mass.
Weber Co. F., 1220 Buttonwood, Philadelphia, Pa.
Welch T. F. Co. (Steel Blade), 55 Sudbury, Boston, Mass.

14074— Squares (Tailors')

Kerby & Bro., 51 Fulton, New York
Lufkin Rule Co., Saginaw, Mich.
Magee & Richards, 223 Grand, New York

14075—Squares (Take-Down)

Nicholls Mfg. Co. ("Nicholls"), Ottumwa, Ia.
Peck, Stow & Wilcox Co. ("P. S. & W. Samson"), Southington, Conn.
Southington Hardware Co. ("Standard"), Southington, Conn.

14076—Squares (Try & Mitre)

Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Brown & Sharpe Mfg. Co. (Try Only), Providence, R. I.
Challenge Cutlery Corporation ("Fox's"), 58 Seymore, Bridgeport, Conn.
Disston Henry & Sons, Tacony, Phila., Pa.

Goodell-Pratt Co. (All Steel), Greenfield, Mass.
Nicholls Mfg. Co. (Bevel-Try), Ottumwa, Ia.
Sawyer Tool Mfg. Co., Ashburnham, Mass.
Southington Hardware Co., Southington, Conn.
Stanley Rule & Level Co., New Britain, Conn.
Starrett L. S. Co., Athol, Mass.

14077— Squeezers (Germ)

Love Brothers, Aurora, Ill.

14078— Squeezers (Lemon)

Arcade Mfg. Co. ("Arcade" Stationary, "Champion" Stationary, "Perfect" "Union," "Drum Pattern" & "X-Ray"), Freeport, Ill.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Estes E. B. & Sons (Wood), 364 5th av, New York *See adv index at end of book*
Fanning J. P. ("Fanning"), 678 Jefferson av, Brooklyn, N. Y.
Gilchrist Co. ("Linden," Aluminum, Porcelain & Wood), 236 Bank, Newark, N. J.
Giles & Nielsen Nickel Works ("Clipper"), Troy, N. Y.
Hart H. C. Mfg. Co. ("Easy"), Unionville, Conn.
Hills Edwin, Plainville, Conn.
Landers, Frary & Clark ("Little Giant," "Crown" & "L. F. C."), New Britain, Conn.
Nicol & Co. ("World's Fair"), 218 N Jefferson, Chicago, Ill.
Parker Chas. Co., Meriden, Conn.
Redlich Mfg. Co., (Aluminum Wooden Bowl and All Wood), 637 to 647 W Oak, Chicago, Ill.
Richardi & Bechtold (Wood), Bellaire, Mich.
Rocky Hill Hardware Co. ("Leader"), Rocky Hill, Conn.
Silver & Co. (Aluminum & Glass, etc), 304 Hewes, Brooklyn, N. Y.
Sommer John Faucet Co. (Wooden, etc), 30 Morris av, Newark, N. J.
Stover Mfg. & Engine Co., Freeport, Ill.
Taplin Mfg. Co. ("Victor"), New Britain, Conn.
Tucker & Dorsey Mfg. Co. (Wooden), Indianapolis, Ind.
Williams A. C. Co. ("Pearl," "Boss," "Ideal," "Model," "Wallace"), Ravenna, O.
Wrightsville Hardware Co. ("L. & S. I. Co.," "Brighton"), Wrightsville, Pa.

14078a—*Squeezers (Puddle Ball)

Phila. Roll & Machine Co., 52d & Grays av, Phila., Pa.

14079— Squeezers (Rotary)

Danville Foundry & Machine Co., Danville, Pa.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
National Roll & Foundry Co., Avonmore, Pa.
United Engineering & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.

14080— Squibs (Electric)

See also Blasting Supplies

Atlas Powder Co., Wilmington, Del.
DU PONT E. I. DE NEMOURS & CO. INC., Explosives & Smokeless Powder Depts. ("Du Pont" See Adv. at Explosives), Wilmington, Del.
See adv index at end of book
Giant Powder Co. Cons., San Francisco, Cal.

14081— *Squibs (Gas)

DU PONT E. I. DE NEMOURS & CO. INC., Explosives & Smokeless Powder Depts. ("Du Pont" See Adv. at Explosives), Wilmington, Del.
See adv index at end of book

14082— Squibs (Miners')

See also Blasting Supplies

Atlas Powder Co., Wilmington, Del.
Blue Label Safety Squib Co., Plymouth, Pa.
DU PONT E. I. DE NEMOURS & CO., INC., Explosives & Smokeless Powder Depts. ("Blue Label," "D. & B.," "Du Pont," "Powell" & Photographic. See Adv. at Explosives), Wilmington, Del.
See adv index at end of book
Giant Powder Co. Cons., San Francisco, Cal.
Howells Mining Drill Co., Plymouth, Pa.
Miners' Supply Co. ("Daddow & Beadles"), St. Clair, Schuylkill Co., Pa.
Powell Jno. R. ("Powell"), Plymouth, Pa.

14082a— *Squibs (Sulphur)

DU PONT E. I. DE NEMOURS & CO. INC., Explosives & Smokeless Powder Depts. ("DuPont." See Adv. at Explosives), Wilmington, Del.
See adv index at end of book

14083—Stabilizer (Ship & Aeroplane)

Green Aeronautical Co., Elyria, O.
Sperry Gyroscope Co. ("Sperry" Gyro Ship), 40 Flatbush av, Brooklyn, N. Y.

14084— Stable Fixtures

Those who Manufacture a Full Line, such as Stalls, etc, are indicated by a ‖

Barber Mfg. Co. (Cast Iron Feed Boxes, Cesspools, Hay Racks, etc), Ashtabula, O.
Barnum E. T. Wire & Iron Works, 864 Woodward, Detroit, Mich.
‖Buch's A. Sons Co. (Make Full Line), Elizabethtown, Pa.
Casey-Hedges Co. (Cast Iron), Chattanooga, Tenn.
Central Foundry Co. (Cast Iron Feed Boxes, Hay Racks, Drains, etc.), 41 E 42d, New York
Chapman Wm. O. Co., 30 Church, New York
‖Cheney S. & Son (Hay Racks, Mangers, etc.), Manlius, N. Y.
Columbia Iron & Wire Works Co., Canton, Ohio
Creswell Samuel J. Iron Works, 23d & Cherry, Phila, Pa.
‖FISKE J. W. IRON WORKS, 111 Park pl, New York
Ginther's J. Sons Co., 419 Broadway, Buffalo, N. Y.
Glor Bros. & Willis Mfg. Co., Attica, N. Y.
Glenn Fred E. (Cesspools, Gutters, etc), St. Charles, Ill.
Harriman Mfg. Co. (Full Line), Harriman, Tenn.
Hitzeroth Edward, 3419 Race, Phila., Pa.
James Mfg. Co. ("James" Steel), Fort Atkinson, Wis.
Libbey C. A. Co. (Horse Stalls), Marion & Jay, Oshkosh, Wis.
McLaren Iron Works Co., Cleveland, O.
Meyers Fred. J. Mfg. Co., Hamilton, O.
Mitchell Mfg. Co., Milwaukee, Wis.
‖Mott J. L. Iron Works, Trenton, N. J.
National Iron & Wire Co., Cleveland, O.
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Plocher Andrew Sons Co., Dayton, O.
Quick & Thomas Co., Auburn, N. Y.
Rockford Steel Fixture Co. (All Steel Sanitary), Rockford, Ill.
Sanitary Co., Dept. H, Linfield, Pa.
‖Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
‖Smyser-Rover Co., York, Pa.
Southwest Wire & Iron Works Co., 1722 Tracy, Kansas City, Mo.
Swett A. L. Iron Works, 145 Glenwood av, Medina, N. Y.
Vulcan Iron Works, Francisco & Kearny, San Francisco, Cal.
Youngstown Wire & Iron Co., Youngstown, O.

14085—Stable or Stall Floors

Compressed Wood Preserving Co., Spring Grove & Station avs, Winton pl, Cincinnati, O.
Kettle River Co., Madison, Ill.
Smith F. P. Wire & Iron Works ("Smith" Improved Stall), 2340-48 Clybourn av, Chicago, Ill. *See adv index at end of book*

14086— Stackers (Alfalfa)

Emerson-Brantingham Co. ("E. B." Swinging & Overshot), Rockford, Ill.
Hay Tool Mfg. Co., Council Bluffs, Ia.
International Harvester Company of America (Inc.), (Deering-McCormick-International), Harvester bldg, Chicago, Ill.
Whitnall Co., Plainville, Conn.

14086a— *Stackers (Bag)

Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book

14087— Stackers (Hay)

Acme Harvesting Machine Co., Peoria, Ill.
Anderson Co., 2324 University av, St. Paul, Minn.
Barley Thos. K., Sedalia, Mo.
Clippinger A. B. & Son Mfg. Co., Kansas City, Kans.
Dain Mfg. Co. (Automatic), Ottumwa, Ia.
Dow Co., 201H N Buchanan, Louisville, Ky.
Emerson-Brantingham Co. ("E. B." Swinging & Overshot), Rockford, Ill.
Fleming & Sons Mfg. Co. (Swinging), Huntsville, Mo.
Garden City Feeder Co. ("Pella"), Pella, Iowa
Harrison Machine Works (Pneumatic), Belleville, Ill.
International Harvester Co. ("McCormick-Deering"), Harvester bldg, Chicago, Ill.
Jenkins Hay Rake & Stacker Co., Chillicothe, Mo.
Kansas City Hay Press Co., Kansas City, Mo.
Kouns Wesley, Salina, Kans.
Louden Machinery Co., Fairfield, Iowa
O'Neil T. L. ("Lewis"), Marseilles, Ill.
Orndorff O. F. Council Bluffs, Iowa
Stalcup E. L., Unionville, Mo.
Superior Hay Stacker Mfg. Co., Linneus, Mo.
Swanson Plow Co., Muskogee, Okla.
Wyatt F. Mfg. Co. ("Jayhawk"), Salina, Kan.

14088— Stackers (Lumber)

Filer & Stowell Co. (Automatic for Stacking Lumber on Tram Cars for Dry Kilns), Milwaukee, Wis.
Seattle Machine Works, Inc. ("Hilke"), 37-51 W Lander, Seattle, Wash.
Soule Steam Feed Works, Meridian, Miss.

14089— Stackers (Paper)

14090— Stacks (Book)

See also Library Shelving & Fittings, Metallic

Art Metal Construction Co. (Bracket, Library Steel), Jamestown, N. Y.
Snead & Co. ("Snead" Metallic Library Standard & Bracket), Jersey City, N. J.

14091— Stacks (Steel)

See also Chimneys, Various Kinds; also Boilers, Tubular

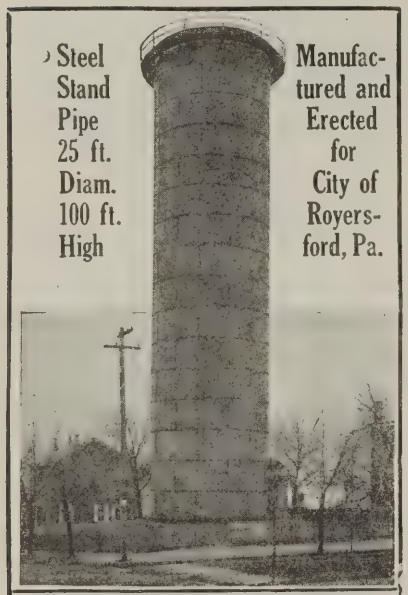
Abendroth G. Irving Co. (Inc.), 10 E 43d, New York
Albina Marine Iron Works, Inc., Lewis & Loring, Portland, Ore.
Allen Wm. Sons Co., Worcester, Mass.
Allentown Boiler Works, Allentown, Pa.
American Bridge Co., 30 Church, New York
Ashtabula Steel Co., Ashtabula, Ohio
Augustine T. C., St. Joseph, Mo.
Baltimore Dry Dock & Ship Bldg. Co., Ft. East Fort av, Baltimore, Md.
Bartlett, Hayward Co., Scott & McHenry, Baltimore, Md.
Bay City Iron Works, 1215 Harrison, San Francisco, Cal.
Beckley Perforating Co., Garwood, N. J.
BEGGS JAMES & CO., 30 Warren, New York. *See adv index at end of book*
Bethlehem Shipbuilding Corp., Ltd. ("Bethlehem-Weir," Power Plant), Broadhead & Parker av, Bethlehem, Pa.
Bichler Mfg. Co., St. Joseph, Mo.
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Birchfield Boiler Co., 2503 E 11th, Tacoma, Wash.
Blaw Knox Co., Freeport rd, Hoboken, Pa.
Bridgeport Boiler Works Co., Bridgeport, Conn.
Bros Wm. Boiler & Mfg. Co., Nic. Island, Minneapolis, Minn.
Brownell Co., Dayton, O.
Buckeye Boiler Co., Dayton, O.
California Boiler Works, 526 Howard, San Francisco, Cal.
Cambridge Iron Works, Cambridge, Mass.
Casey-Hedges Co. (Self Supporting, Guyed, etc), Chattanooga, Tenn.
Cathell Bros. & Co., Lawrence & E Fort av, Baltimore, Md.
Central Boiler Works, 5791 Russell, Detroit, Mich.
Chattanooga Boiler & Tank Co., 1011 E Main, Chattanooga, Tenn.
CHICAGO BRIDGE & IRON WORKS 2105 Old Colony bldg, Chicago, Ill.
For branch offices see adv index at end of book
Coast Culver & Flume Co., Dept. H, Kenton Station, Portland, Ore.
COATSVILLE BOILER WORKS, 111 S 15th, Philadelphia, Pa.
Codd E. J. Co., 700 So. Caroline, Baltimore, Md.
Cole R. D. Mfg. Co., Newnan, Ga.
Columbia Boiler Works, Columbia, Pa.
Columbian Steel Tank Co., New England bldg, Kansas City, Mo.
Columbiana Boiler Co., Columbiana, O.
Columbus Steam Boiler & Heater Co., Columbus, O.
Connellsville Iron Works, Connellsville, Pa.
Connelly D. Boiler Co. (Self-Supporting), Ivanhoe rd & N. Y. & St. L. R. R., Cleveland, O.

(Continued on following page)

DOVER BOILER WORKS
STACKS and TANKS
GENERAL STEEL PLATE CONSTRUCTION 40 Church St., New York

Stacks (Steel)—Continued

CONNERY & CO. INC., 4000 N 2nd, Phila, Pa. *See adv index at end of book*



CONNERY & CO., Inc.
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Cox & Sons Co., Water & Hampton, Bridgeton, N. J.
Crook H. E. Co., Inc., 28 Light, Baltimore, Md.
Daly M. J. & Sons, Waterbury, Conn.
Darby Boiler Works, 226 Queirolo, Los Angeles, Cal.
Decatur Novelty Wks, Decatur, Ill.
Delany P. & Co., Newburgh, N. Y.
Dollinger John, Jr., Inc., Beaumont, Tex.
DOVER BOILER WORKS, Sales Office, 40 Church, New York (Self-Supporting & Guyed); Works, Dover, N. J.
See adv index at end of book
Downingtown Iron Works, East Downingtown, Pa.
Drake-Williams-Mount Co., Omaha, Neb.
Duff Patents Co., Inc., Frick bldg, Pittsburgh, Pa.
Dundon Iron Works, 225 Folsom, San Francisco, Cal.
East Jersey Pipe Corp., Paterson, N. J.
Erie City Iron Works, Erie, Pa.
Fair Haven Foundry & Machine Co. (Inc.), Fair Haven, Vt.
Fargo Foundry Co., Fargo, N. D.
Farrar & Trefts, Inc,, Buffalo, N. Y.
Finch Mfg. Co., Scranton, Pa.
Fleming Mfg. Co., 411 Neal, New Castle, Pa.
Flesch & Schmitt, Inc., Brown, Rochester, N. Y.
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Franche C. E. & Co., 440 Orleans, Chicago, Ill.
Franklin Machine & Steam Boiler Wks., 38 Quay, Brooklyn, N. Y.
Freeman Mfg. Co., Racine, Wis.
See adv index at end of book
Frick Grate Bar Co. (Self-Supporting), 816 Locust, Phila., Pa.
Geneva Boiler Works, Geneva, N. Y.
GODFREY-KEELER CO., 70 Warren, New York
Gogebic Steam Boiler Works, Duluth, Minn.
Goldner Henry Boiler & Tank Works, Water & Muffin, Phila., Pa.
Grand Sheet Metal Work, 64 E 3rd N. Portland, Ore.
Granger Co., A. D., 17 Park Row, New York
See adv index at end of book
Graver Corp., 4020 Todd av, East Chicago, Ind. *See adv index at end of book*
Graves & Marshall Co., Dayton, Ohio
GRISCOM-RUSSELL CO. (Boiler), 91 West, New York
See adv index at end of book
Gussett Boiler Wks, 1140 Marion av, S. W., Canton, O.
Hamburg Boiler Works, Hamburg, Pa.
Hamler Boiler & Tank Co. (Self-Supporting), Dept. H, W 66th & S 60th av, Chicago, Ill.
Hammond Iron Works (Self-Supporting), Warren, Pa. *See adv index at end of book*
Harrisburg Mfg. & Boiler Co., Harrisburg, Pa.
Hartley Boiler Works (Self-Supporting), Montgomery, Ala.
Heggie Boiler Works Wm., Joliet, Ill.
Heggie James G. & Sons, Joliet, Ill.
Heil Co. ("Quality" Self-Supporting, Also Welded), 1270-1300 26th av, Milwaukee, Wis.
Hellman Boiler Works, Allentown, Pa.
Heine Boiler Co., 5319 Marcus av, St. Louis, Mo.
Heltzel Steel Form & Iron Co. The (Smoke), Warren, O.
See adv index at end of book
Hendrick Mfg. Co., Carbondale, Pa.
Hennessy Dennis, Syracuse, N. Y.
Hibben & Co., 9376 Ewing av, Chicago, Ill.
Holmes Robt. & Bros., Danville, Ill.
Holzer R. G. (Estate of), 317 Burgundy, New Orleans, La.
Honhorst Joseph Co., 1016 W 6th, Cincinnati, O.
Horton Steel Works Ltd., 118 Janet, Bridgeburg, Ont., Can.
International Boiler Wks. Co., East Stroudsburg, Pa.
International Engng. Wks., Framingham, Mass.
Iowa Steel & Iron Works, Cedar Rapids, Iowa
Iron & Steel Contracting Co., 215 San Bruno av., San Francisco, Cal.
Jarvis Engine & Machine Works, Lansing, Mich.
Johnson & Thompson, 2716 N 26th, Birmingham, Ala.
Joubert & Joslin Machine & Foundry Co., Birmingham, Ala.
Kansas City Structural Steel Co., 114 N 10th, Kansas City, Mo.
Kaw Boiler Works Co., Kansas City, Kans.
KEELER E. CO., 238 West, Williamsport, Pa.
Kelker Blower Co., 2383 Fillmore av, Buffalo, N. Y.
See adv index at end of book
Kellogg M. W. Co., 90 West, New York
See adv index at end of book
Kewanee Boiler Co., Kewanee, Ill.
King Bridge Co., Cleveland, O.
King F. E. Co., Norfolk, Va.
Kittoe Boiler & Tank Co. (Inc.), Canton, Ohio
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.
See adv index at end of book

SMOKE STACKS
Steel
Manufacturers of stacks, flue connections, air ducts, ventilation stacks, riveted pipe, tanks, chutes and other articles made of sheet steel and steel plate.

L. O. KOVEN & BROTHER, Inc.
154 Ogden Avenue, Jersey City, N. J.

Kries Henry A. & Sons Co., 8 W Lombard, Baltimore, Md.
Lacy Mfg. Co., Los Angeles, Cal.
Lake Shore Engine Works, Marquette, Mich.
Lancaster Iron Works, Lancaster, Pa.
Lappan Jas. Mfg. Co., 20th & Pike, Pittsburgh, Pa.
Lasker & Minck, 53 Park pl, New York
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
Leslie Elliott & Co., Paterson, N. J.
Lewis H. B., Ferry av & G. T. Ry, Detroit, Mich.
Lindsay W. W. & Co., Harrison bldg, Phila., Pa.
LITTLEFORD BROS. (Smoke), 444 E Pearl, Cincinnati, Ohio
See adv index at end of book
Logan Iron Works, 54 Commercial, Brooklyn, N. Y.
Lombard Iron Works & Supply Co., Augusta, Ga.
Lookout Boiler Mfg. Co., Chattanooga, Tenn.
Los Angeles Mfg. Co., Inc., 2500 Lenard, Los Angeles, Cal.
McAllenan Bros. Co., 25th & A. V. R. R., Pittsburgh, Pa
McDermott Bros., 3rd & Washington, Allentown, Pa.
McEwen Bros., Wellsville, N. Y.
McNamara Bros. Co., Westport, Baltimore, Md.
McNaull Boiler Mfg. Co., Toledo, O.
McNeil Boiler Co., 96 Crozier, Akron, O.
McNeil Jas. & Bro. Co., Pittsburgh, Pa.
Mader Bros. & Co., Lebanon, Pa.
Manitowoc Boiler Wks., Manitowoc, Wis.
Marinette Boiler Wks., Marinette, Wis.
Martin Metal Mfg. Co., Wichita, Kans.
Mecklenburg Iron Works, 510H W Trade, Charlotte, N. C.
Meehan Boiler & Construction Co. (Self-Supporting), Lowellville, O.
Meyer Geo. J. Mfg. Co., 598 Clinton, Milwaukee, Wis.
Meyer Otto C. & Co., 30 Franklin, Brooklyn, N. Y.
Milwaukee Boiler Co., 220 Oregon, Milwaukee, Wis.
Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.
Missouri Boiler & Sheet Iron Works, 23d & Paplin, St. Louis, Mo.
Montague Pipe & Steel Co., Hobart bldg, San Francisco, Cal.
Muncie Boiler & Sheet Iron Wks. (Smoke), Muncie, Ind.
Munroe R. & Sons Mfg. Co. (Iron Also), **23rd & Smallman, Pittsburgh, Pa.**
Muskegon Boiler Works (Self-Supporting), Muskegon, Mich.
Nashville Bridge Co., Nashville, Tenn.
National Blow Pipe & Mfg. Co., 738 Dryades, New Orleans, La.
National Blower Pipe Co., 1127 St Paul av, Tacoma, Wash.
National Boiler & Sheet Iron Works, Indianapolis, Ind.
National Iron Works, Berlin & Beaufait, Detroit, Mich.
Nebraska Culvert & Mfg. Co., Wahoo, Neb.
Newbold R. S. & Son Co., Norristown, Pa.
New England Iron Works Co., Summer, Boston, Mass.
New Haven Boiler Works Inc., New Haven, Conn.
New York Central Iron Wks. Co., Inc., Dept. H, Hagerstown, Md.
Northern Blower Co. (The), Denison & W 65th, Cleveland, Ohio
See adv index at end of book
Northern Boiler & Structural Iron Works, Appleton, Wis.
Ocean Shore Iron Works, 550 8th, San Francisco, Cal.
O'Brien John Boiler Works Co., 11th & Mullanphy, St. Louis, Mo.
Ohio Machine & Boiler Co. (Self-Supporting), 1510 University rd, Cleveland, O.
Oil City Boiler Works, Oil City, Pa.
Oldman Boiler Works, 38 Illinois, Buffalo, New York
Omaha Steel Works, Omaha, Neb.
Osborne Machine Co., Dubois, Pa.
PENNSYLVANIA FURNACE & IRON CO., 373 Pine, Warren, Pa.
See adv index at end of book
PETROLEUM IRON WORKS CO. OF OHIO (Self Supporting & Guyed), Sharon, Pa.
See adv index at end of book
Phoenix Iron Works Co., Meadville, Pa.

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ESTABLISHED 1884

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PITTSBURGH-DES MOINES STEEL CO. (Self Supporting), 804 Curry bldg., Pittsburgh, Pa.
See adv index at end of book

Pollock Wm. B. Co., Youngstown, O.
Prospect Boiler Co., New Brunswick, N. J.
Quaker City Iron Works (Self-Supporting, etc), **Tioga & Richmond, Phila., Pa.**

REEVES BROS. CO. THE (Self-Supporting), Alliance, O.
See adv index at end of book

Renneburg E. & Sons Co., 2639 Boston, Baltimore, Md.
Republic Iron & Steel Co., Leader-News bldg, Cleveland, O.
Republic Structural Iron Works Co., 1350 E 53d, Cleveland, O.
Riter-Conley Co. (Self-Supporting), Oliver bldg, Pittsburgh, Pa.
Roberts Iron Works Co., Cambridge, Mass.
Rock Island Bridge & Iron Works, Rock Island, Ill.
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
Ruggles Soles Engineering Co., 120 B'way, New York

ST. PAUL FOUNDRY CO., Como av & Mackubin, St. Paul, Minn.
See adv index at end of book

Scannell Boiler Works, Lowell, Mass.
Schmeling & Alter, Fort Wayne, Ind.
Schmook Harry B., Springfield, Mo.
Schofield's J. S. Sons Co., Hammond & Edgewood av, Macon, Ga.
Schutte & Koerting Co. (Venturi Induced Draft), 1251 N 12th, Phila., Pa.
See adv index at end of book
Sharkey & Peck, 2433 W 18th, Chicago, Ill.
Sinker-Davis Co., Indianapolis, Ind.
Smith Samuel & Son Co., Paterson, N. J.
Sotter Bros., Pottstown, Pa.
South Bend Spark Arrester Co., South Bend, Ind.
Southern Boiler & Tank Works, Memphis, Tenn.
Southern Engine & Boiler Mfg. Co., 1275 Thomas, Jackson, Tenn.
Stafford Wright & Son, Lawrence, Mass.
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Standard Boiler Works, Seattle, Wash.
Standard Metal Products Co., 558 Bryant, San Francisco, Cal.
Standard Sheet Metal Mfg. Co., Washington, Pa.
Standard Tank Car Co., 342 Madison av, New York
Standard Tank Co., 15 Park Row, New York
Steacy-Schmidt Mfg. Co., York, Pa.
Stebbins Wallace & Sons, 100 S Charles, Baltimore, Md.
Steel Tank & Pipe Co., H, Corbin Station, Berkeley, Cal.
Stern Foundry & Machinery Co., 1630 Annunciation, New Orleans, La.
Strandwitz & Scott, Camden, N. J.
Taylor Iron Works & Supply Co., Macon, Ga.
Tippett & Wood, Phillipsburg, N. J.
Tofte Boiler & Sheet Iron Works, Houston, Texas
Toledo Metal Manufactures Co. (The), 983-1015 Front, Toledo, Ohio
See adv index at end of book
Tomahawk Steel & Iron Works (Self-Supporting), Tomahawk, Wis.
Topeka Steam Boiler Works, Topeka, Kan.
Traylor Engng. & Mfg. Co., Allentown, Pa
Treadwell Constr. Co. (Self Supporting), Midland, Pa.
Treadwell M. H. Co., 140 Cedar, New York
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
Tulsa Boiler & Mach. Co., Tulsa, Okla.
Turl Iron & Car Co. (Inc.), (The), 50 Broad, New York. Works: Newburgh, N. Y.
Union Boiler & Mfg. Co., Lebanon, Pa.
Union Iron Works, Erie, Pa.
Union Iron Works, Hoboken, N. J.
Union Tank & Pipe Co., 2810H Santa Fe av, Los Angeles, Cal.
United Boiler Heating & Foundry Co., Hammond, Ind.
United Iron Wks., Kansas City, Mo.
Utica Steam Engine & Boiler Works, Utica, N. Y.
Vance Jas. R. (Boiler Mfrs), Geneva, N. Y.
Vance & Baker Mfg. Co., Muscatine, Ia.
Variety Iron & Steel Works Co., Hamilton av & E 40th, Cleveland, O.
Virginia Bridge & Iron Co., Roanoke, Va.
Vogt Henry Machine Co., Inc., Louisville, Ky.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Walsh's Boiler & Iron Works, 221 Liberty, Springfield, Mass.
Warren City Tank & Boiler Co. (The), Warren, Ohio
See adv index at end of book
Warwick Constn. Co. (Smoke), 1048 W Harrison, Chicago, Ill.
Waterloo Mfg. Co., Waterloo, Ia.
West Coast Iron & Steel Works, Inc., 3rd & Glisan, Portland, Ore.
Western Drop Forge Co., P. O. Box 386, Marion, Ind.
Western Engineering Corp., Spokane & E Marginal way, Seattle, Wash.
Western Iron & Foundry Co., Wichita, Kans.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Wholey Boiler Works, 95 Whipple, Providence, R. I.
Wickes Boiler Co. The, Saginaw, Mich.
Wildman Boiler & Tank Co., 3026 Carroll av, Chicago, Ill.
Williamette Iron & Steel Works, 685 Industrial pl, Portland, Ore.
Wisconsin Bridge & Iron Co., (Self-Supporting) No. Milwaukee, Wis.
Young Bros. Co., 6500 Mack av, Detroit, Mich.
Youngstown Boiler & Tank Co., 1054 Mahoning av, Youngstown, Ohio

14092— Stadia Surveying

Gurley W. & L. E. ("Beaman" Stadia Arc, etc), Troy, N. Y.

14093— Stages (Lineman's)

Berg John Mfg. Co., 5001 S Wells, Chicago, Ill.
Dicke Tool Co., Downers Grove, Ill.
Meckel Fred L., 11 E 13th, Chicago, Ill.

14094— Stain Removers

Diozine Chemical Co. ("Diozine"), Ludlow, Vt.
Wolf, Jacques & Co., Passaic, N. J.

14094a— *Stains (Acid)

CHICAGO VARNISH WORKS, 2100 Elston av, Chicago, Ill.
DU PONT E. I. DE NEMOURS & CO. INC., Paint & Varnish Dept., See Adv. at Paint, 3500 Grays Ferry rd, Phila., Pa.
See adv index at end of book

14094b—Stains (Bacteriological)

Eimer & Amend (Also Impt.), 205 E 18th, New York
DU PONT E. I. DE NEMOURS & CO. INC., Paint & Varnish Dept., See Adv. at Paint, Wilmington, Del.
See adv index at end of book
National Aniline & Chemical Co., Inc., 40 Rector, New York
Will Corp., Rochester, N. Y.

14094c— Stains (Biological)

Eimer & Amend (Impt.), 205 E 18th, New York
National Aniline & Chemical Co., Inc., 40 Rector, New York
Will Corp., Rochester, N. Y.

14094d— *Stains (Floor)

CHICAGO VARNISH WORKS ("Tufoote"), 2100 Elston av, Chicago, Ill.
DU PONT E. I. DE NEMOURS & CO. INC., Paint & Varnish Dept., See Adv. at Paint, 3500 Grays Ferry rd, Phila., Pa.
See adv index at end of book

14095— Stains (Leather)

Boston Leather Stain Co., 109 Purchase, Boston, Mass.
California Leather Dressing Co., 1574H Market, San Francisco, Cal.
Dennehy Bros., Brockton, Mass.

14095a—*Stains (Penetrating)

Chicago Varnish Works, 2100 Elston av, Chicago, Ill.
DU PONT E. I. DE NEMOURS & CO. INC., Paint & Varnish Dept., See Adv. at Paint, 3500 Grays Ferry rd, Phila., Pa.
See adv index at end of book

14095b— Stains (Shingle)

Acme White Lead & Color Works, St. Aubin & M. & C. R. R., Detroit, Mich.
Adams & Elting Co. ("Ad-el-ite"), 1834 S Canal, Chicago, Ill.
American Wood Preserving Co. ("Antiseptine"), 1351 N Branch, Chicago, Ill
Arco Co., Euclid av & E 65th, Cleveland, O.
Arlington Mfg. Co., Canton, Ohio
Atlantic Paint Co. ("Atlantic"), Cleveland, O.
Atlas Paint Co., Ltd., 18th & W. P. R. R., Sharpsburg, Pa.
Berry Bros. (Singletint), Detroit, Mich.
Betts C. G. Co., E 1202 Sprague av, Spokane, Wash.
Boydell Bros. White Lead & Color Co., 432 E Lafayette, Detroit, Mich.
Butler J. G. Bldrs. Supply Co., 24 Congress W, Savannah, Ga.

(Continued on following page)

Stains (Shingles)—Continued

CABOT SAMUEL, INC. ("Creosote," "Old Virginia" White), 141 Milk, Boston, Mass. *See adv index at end of book*
California Paint Co., 1797 12th, Oakland, Cal.
Carbon Paint Co., Felt bldg, Salt Lake City, Utah
Certain-teed Products Co. ("Certain-teed"), Boatmans Bank bldg, St. Louis, Mo.
CHICAGO VARNISH WORKS, 2100 Elston av, Chicago, Ill.
Chilton Paint Co., College Point, N. Y.
Connors Wm. Paint Mfg. Co., Troy, N. Y.
Conrad W. P. Co. ("Conrads"), 114 Plymouth av N, Minneap., Minn.
Continental Products Co., Quebec av, Cleveland, O.
Davis H. B. Co., Bayard & Severn, Baltimore, Md.
Devoe & Raynolds Co., Inc., 101 Fulton, New York
Dexter Bros. Co. ("English"), 105 Broad, Boston, Mass.
DU PONT E. I. DE NEMOURS & CO. INC., Paint & Varnish Dept., See Adv. at Paint, 3500 Grays Ferry rd, Phila., Pa. *See adv index at end of book*
Fisher Thorsen & Co., 29th & Nicolai, Portland, Ore.
Ford Roofing Products ("Petrosote" Preservative), 2339 S La Salle, Chicago, Ill.
Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, O.
Fuller W. P. & Co. ("Pioneer"), 301 Mission, San Francisco, Cal.
Gibson Paint Co., 1645 E 12th, Oakland, Cal.
Globe Paint Co., Williamsport, Pa.
Goheen Corp. of N. J., 202 Emmett, Newark, N. J.
Hammond Benjamin, Beacon, N. Y.
Horn A. C. Co., Horn bldg, Long Island City, New York
Humphrey's Paint Co., 24H South av, Rochester, N. Y.
Indianapolis Chemical Co., 1444 Madison av, Indianapolis, Ind.
Lancaster Paint & Glass Co. ("Eureka"), Lancaster, Pa.
Lawrence W. W. & Co., N Carson, Pittsburgh, Pa.
Lion Varnish Mfg. Co. Inc. ("Excelite"), 3420 13th av S W, Seattle, Wash.
Lincoln Paint & Color Co. ("Lincoln"), Lincoln, Neb.
McKee Geo. B. Co., 2nd & San Fernando, San Jose, Cal.
Menzel Wm. & Son (Imp.) 64 Broad, New York
Moore Benj. & Co., 281 Front, Brooklyn, N. Y.
Mound City Paint & Color Co., 11th & Mullanphy, St. Louis, Mo.
National Roofing Co., Tonawanda, N. Y.
Nebraska Paint & Lead Co., Lincoln, Neb.
Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.
Nice Eugene E., 272 S 2d, Phila., Pa.
Ohio Chemical Co., Findlay, O.
Paraffine Co.'s, Inc. ("Pabco"), 475 Brannan, San Francisco, Cal.
Parker, Preston & Co. (Waterproof & Odorless), Norwich, Conn.
Patterson-Sargent Co., 1325 E 38th, Cleveland, Ohio
Patton Paint Co. (Taron Paste), Milwaukee, Wis.
Preservative Paint Co., 5410 Duwanish av, Seattle, Wash.
Price Fire & Water Proofing Co. (Fireproofing Creosote), Poughkeepsie, N. Y.
PROTEXOL CORP., 41 Barclay, New York
Pyramid Paint Co., 132 N 22d, Phila., Pa.
Rasmussen & Co., 2nd & Taylor, Portland, Ore.
Sherwin-Williams Co., Cleveland, O.
Sonneborn L. Sons ("Shingle-edges"), 262 Pearl, New York
Southern Cotton Oil Co. ("Scoco"), 120 B'way, New York
Southwestern Paint & Varnish Co., Kansas City, Mo.
Vaughan Paint Co., Columbus & Big 4 R. R., Cleveland, O.
Vilas Bros. ("Impervious"), 717 S 5th av, Chicago, Ill.
Voltax Co., 89H Reservoir av, Bridgeport, Conn.
Vulcanite Roofing Co., Military rd & City Line, Buffalo, N. Y.
Wadsworth, Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.
Western Paint Co., 513 N 29th, Portland, Ore.
Wilhelm A. Co. ("Royalcreosote"), Reading, Pa.
Woodlife Co. ("Woodlife," "W-L"), 262 Fulton, Brooklyn, N. Y.
WOOLSEY C. A. PAINT & COLOR CO., 490 Grand, Jersey City, N. J.

14095c— Stains (Varnish)

Acme White Lead & Color Works, 8350 St. Aubin, Detroit, Mich.
Atlastic Paint Mfg. Co. ("At lac"), 1007 Marquette av, Minneapolis, Minn.
Boydell Bros. White Lead & Color Co., 432H E Lafayette, Detroit, Mich.
CHICAGO VARNISH WORKS, 2100 Elston av, Chicago, Ill.



Shingles stained with Cabot's Shingle Stains; Stucco with Cabot's Waterproof Stucco Stains; Insulated with Cabot's Quilt. Aymar Embury II, Architect, New York.

CABOT'S
Creosote Stains

The Standard Exterior Stains for Shingles, Siding or Trimmings

The first shingle stains ever made, and the quality guaranteed by forty years' use all over the world. Made of the strongest and finest pigments, ground in pure linseed oil, and Creosote, "the best wood preservative known." No cheapeners, no adulterants, no kerosene or benzine.

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Cold-Proof, Heat-Proof, Sound-Proof

The warmest insulator. One layer equal to 28 to 40 layers of common building paper. Saves its cost many times over in reduced fuel bills. The most perfect sound-deadener, because it breaks up and absorbs the sound-waves. Scientific, sanitary and uninflammable.

Cabot's Waterproof Stucco and Brick Stains. For waterproofing and artistically tinting stucco and similar cement surfaces, and for freshening and restoring old, faded and discolored bricks.

Cabot's Conservo Wood Preservative. For preserving posts, sills, planking and all lumber that is exposed to decay.

Cabot's Old Virginia White. A soft, clean exterior white, as brilliant as whitewash and as durable as paint.

Cabot's Old Virginia Tints. Beautiful tints giving the "pastel effect."

Cabot's Double White. Two coats cover as well as three of white lead, and much whiter.

Cabot's Damp-proofing. For direct plastering on brick or concrete without studding or lathing.

Cabot's Clear Waterproofings. For brick and cement walls.

Cabot's Protective Paint. For protecting structural iron and steel from rust, corrosion and electrolysis.

Cabot's Mortar Colors. Paste colors of great strength and durability for reliable mortar staining.

SAMUEL CABOT, Inc.
Manufacturing Chemists
BOSTON, MASS., U. S. A.
342 Madison Ave., NEW YORK
24 W. Kinzie St., CHICAGO

See Index to Advertisers at end of book for list of Branches

DU PONT E. I. DE NEMOURS & CO., INC., Paint & Varnish Dept. ("Tufcote," See Adv. at Paint), 3500 Grays Ferry rd, Phila., Pa. *See adv index at end of book*
Rasmussen & Co., 2nd & Taylor, Portland, Ore.
Valentine Co. ("Valspar"), 456 4th av, New York

14095d— Stains (Wood)

Acme White Lead & Color Works, St. Aubin & M. C. R. R., Detroit, Mich.
Adams & Elting Co. ("Ad-el-ite"), 1838 Seward, Chicago, Ill.
Allentown Mfg. Co., Allentown, Pa.
American Wood Preserving Co. ("Antiseptine" for Interior or Exterior), 1351 N Branch, Chicago, Ill.
Armstrong Paint & Varnish Works ("Verosene Finish"), 2502 S Paulina, Chicago, Ill.
Ashley T. C. & Co., Atlantic av, Boston, Mass.
Behlen H. & Bro., 10 Christopher, New York
Berry Bros.,, Detroit, Mich.
Billings-Chapin Co., 1163 E 40th, Cleveland, O.
Boydell Bros. White Lead & Color Co., 40 E. Lafayette, Detroit, Mich.
Bridgeport Wood Finishing Works (Du Pont) (Oil, Acid, Water & Penetrating), Philadelphia, Pa.
Bridge-Sullivan Mfg. Co. ("Driftwood" Spirit), 4722 Ballard av, Seattle, Wash.
Burdsal A. Co., Indianapolis, Ind.
Cabot Samuel (Inc.), 141 Milk, Boston, Mass. *See adv index at end of book*
Carpenter-Morton Co. ("Campbell"), 77 Sudbury, Boston, Mass.
CHICAGO VARNISH WORKS, 2100 Elston av, Chicago, Ill
Chicago White Lead & Oil Co. ("King's"), 1454 S Western av, Chicago, Ill.
Connors Wm. Paint Mfg. Co., Troy, N. Y.
Day Jas. B. & Co., 224 W Superior, Chicago, Ill.
Devoe & Raynolds Co. Inc. ("Devoe" Powder Stains), 101 Fulton, New York
Dexter Bros. Co., 105 Broad, Boston, Mass.
DU PONT E. I. DE NEMOURS & CO. INC., Paint & Varnish Dept., See Adv. at Paint, 3500 Grays Ferry rd, Phila., Pa. *See adv index at end of book*
Eagle Paint & Varnish Co. (Also Oil & Varnish Stains), 225 Galveston, Pittsburgh, Pa.
Felton, Sibley & Co., 136 N 4th, Phila., Pa.
Ford Roofing Products Co. (Creosote), 2339 S La Salle, Chicago, Ill.
Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, O.
Franche C. E. & Co., 440 Orleans, Chicago, Ill.
French Samuel H. & Co., 4th & Callowhill, Phila., Pa.
Fuller W. P. & Co. ("Fuller" Oil Stains), 301 Mission, San Francisco, Cal.
Gerstendorfer Bros. ("Sapolin"), 221 E 42d, New York
Glidden Co. ("Glidden Endurance"), W Madison av & Berea rd, Cleveland, O.
Globe Varnish Co. Inc. ("Globe"), Kelly & La Schall, Pittsburgh, Pa.
Heath & Milligan Mfg. Co., 1833 Seward, Chicago, Ill.
Johnson S. C. & Son ("Johnson's" Wood Dye), Racine, Wis.
King Paint Mfg. Co., 449 Kent av, Brooklyn, N. Y.
Kroeger Bros., 880 McKim, Baltimore, Md.
Lawrence McFadden Co., 1400 Frankfort, Phila., Pa.
Lucas John & Co., 322 Race, Phila., Pa.
McQuade John & Co., 134 Classon av, Brooklyn, N. Y.
Marietta Paint & Color Co. ("Spartan"), Marietta, O.
Masury John W. & Son ("Nomar"), 56 Jay, Brooklyn, N. Y.
Moore Benjamin & Co., 231 Front, Brooklyn, N. Y.
Moser Chas. Co. ("Lig-Lac"), Cincinnati, O
Murphy Varnish Co. (Penetrating Oil), 224 McWhorter, Newark, N. J.
Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.
Nice Eugene E., 272 S 2d, Phila., Pa.
O'Brien Varnish Co., South Bend, Ind.
Patterson - Sargent Co. ("Monastery" Stains), 1325 E 38th, Cleveland, O.
Patton Paint Co., Milwaukee, Wis.
Pratt & Lambert, 185 Madison av, New York
Rasmussen & Co., 2nd & Taylor, Portland, Ore.
Rice S. E. M. Filler Co. ("Red Letter" "Superior" Varnish), Irvington, N. J.
Richmond Bros., 616 Main, Cincinnati, O.
St. Paul White Lead & Oil Co., Water & Starkey, St. Paul, Minn.
Schmidt Walter K. Co., Grand Rapids, Mich.
Sherwin-Williams Co., Cleveland, O.
Shoemaker Robt. & Co. Inc., 4th & Race, Phila., Pa.
Standard Varnish Works ("Kleartone"), 443H Fourth av, New York
Wadsworth-Howland Co., 225 N Carpenter, Chicago, Ill.
Wadsworth-Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.
Waterall Wm. & Co., Camden, N. J.
Wilhelm A. Co., Reading, Pa.
Woolsey C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.

Yarnall Paint Co. ("Y. B.," "Standard"), 1026 Race, Philadelphia, Pa.

Stair Builders (Iron)

See Iron Stair Builders

14096— Stair Builders' Supplies

(Stair Rails Balusters, Newel Posts, etc)

American Sash and Door Co. (Wholesale Mfrs), Kansas City, Mo.
American Wood Working Co., 4345 Wabansia av, Chicago, Ill.
Bering Mfg. Co. (Pine & Cypress, Wholesale Mfrs), Houston, Tex.
Bossert Louis & Son, 1335 Grand, Brooklyn, N. Y.
Brockway-Smith Corp'n, 98 Canal, Boston, Mass.
Carr, Ryder & Adams Co., Dubuque, Ia.
Carr & Baal Co., Des Moines, Ia.
Carter Mfg. Co. (Stairs Only, Wholesale Mfrs.), Keokuk, Ia.
Chicago Millwork Supply Co. (Wholesale Mfrs.),1404 W 37th, Chicago, Ill.
Curtis Bros. & Co. (Wholesale), Clinton, Ia.
Curtis, Towle & Paine Co. (Wholesale Mfrs.), Lincoln, Neb.
Curtis & Yale Co. (Wholesale Mfrs.), Wausau, Wis.
Dickey A. & Co., 37 Bristol, Boston, Mass.
Dixon Lumber & Millwork Co., Weldon, N. C.
East Tacoma Mfg. Co. (Whol.), Tacoma, Wash.
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Gauger Jno. A. & Co. (Wholesale Mfrs.), 1434 W 22d, Chicago, Ill.
Gordon, Vantine & Co., Davenport, Ia.
Gould Mfg. Co. (Wholesale), Oshkosh, Wis.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Gray's Harbor Commercial Co. (Wholesale Mfrs.), ft. of 3rd, San Francisco, Cal.
Huttig Mfg. Co. (Wholesale Mfrs.), Muscatine, Iowa
Huttig Mill Wk. Co., Kansas City, Mo.
Lecontour Bros. Stair Mfg. Co., 4523 Shaw. av, St. Louis, Mo.
Leuckel A. K. & Co., Trenton, N. J.
Loetscher & Burch Mfg. Co., Des Moines, Ia.
Lord Lumber Co., La Grange, Ill.
McMillen R. Co. (Wholesale Mfrs.), Oshkosh, Wis.
Missouri Stair Co. (Wholesale Mfrs.), 4205 Forest Pk. blvd, St. Louis, Mo.
Morgan Co. (Wholesale Mfrs.), Oshkosh, Wis.
Nelson Lumber & Mfg. Co., 372 Dublin av, Columbus, O.
Paine Lumber Co., Ltd. (Wholesale Mfrs., for the Trade Only), Oshkosh, Wis.
Roberts Sash & Door Co. (Wholesale Mfrs.), 920 W 20th, Chicago, Ill.
Rockwell Mfg. Co. (Wholesale Mfrs.), 572 Park, Milwaukee, Wis.
Ryerson Jos. T. & Son Inc., 2558 W 16th, Chicago
See adv index at end of book
St. Louis Sash & Door Works (Wholesale Mfrs.), B'way & Destrehan, St. Louis, Mo.
Salisbury Wood Working Co., Salisbury, Md.
STEARNS A. T. LUMBER CO., 100 Taylor, Boston, Mass.
See adv index at end of book
Williams & Hunting Co., Cedar Rapids, Ia.
Zimmerman Chas. E., Syracuse, N. Y.

14097— Stair Corners

Berbecker & Rowland Mfg. Co., (Brass), Waterville, Conn.
Painesville Metallic Binding Co. (Brass & Zinc), Painesville, O.

14098— Stair Nosing

American Abrasive Metals Co. ("Alumalun," "Bronzalun," "Feralun"), 50 Church, New York
American Mason Safety Tread Co. (Brass Delta Metal), Lowell, Mass.
Braun J. G., 609 S Paulina, Chicago, Ill.
Dahlstrom Metallic Door Co. (Cold Drawn Any Metal), 413 Buffalo, Jamestown, N. Y.
See adv index at end of book
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Gutta Percha & Rubber Mfg. Co., 350 Madison av, New York
Howell F. R. Brass Works (Brass), 122 N Franklin, Phila., Pa.
Hungerford U. T. Brass & Copper Co. (Brass & Zinc), 80 Lafayette, New York
Knapp Rubber Binding Co. ("Antislippin" Rubber), 31 E 17th, New York
McKenna Brass & Mfg. Co., Inc., 1st av & Ross, Pittsburgh, Pa.
Newman Mfg. Co., 420 Elm, Cincinnati, O.
Painesville Metallic Binding Co. (Brass & Zinc), Painesville, Ohio
Ryerson Jos. T. & Son Inc., 2558 W 16th, Chicago
See adv index at end of book
Safety Stair Tread Co., Wooster, Ohio
St. Louis Brass Mfg. Co., Jefferson & Washington, St. Louis, Mo.
Universal Safety Tread Co. (Safety Treads), Waltham, Mass.
Zenite Metal Co. ("Alite"), Indianapolis, Ind.

14099—Stair Rails (Brass & Bronze)

Newman Mfg. Co., 420 Elm, Cincinnati, O.
SMITH F. P. WIRE & IRON WORKS, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book

14100—Stair Risers (Sheet Steel)

Central Metal Products Corp., Canton, O.
Holzer R. G. (Est. of) (Also Treads), 317 Burgundy, New Orleans, La.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Penn Metal Co. ("Penco"), 65A Franklin, Boston, Mass.
Ryerson Jos. T. & Son Inc., 2558 W 16th, Chicago
See adv index at end of book
Standard Steel Sections, Inc., 608 E 133rd, New York
VAILE & YOUNG, Bush & Ridgley, Baltimore, Md.
See adv index at end of book

14101—Stair Treads (Brass)

Amer. Mason Safety Tread Co., Lowell, Mass.
Greenberg's M. & Son, Folsom & Alice, San Francisco, Cal.
Manhattan Brass Co., 332 E 28th, New York
Newman Mfg. Co., 420 Elm, Cincinnati, O.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Safety Stair Tread Co. (White), Wooster, Ohio
Universal Safety Tread Co. (Lead Filled), Waltham, Mass.
Waterbury Brass Goods Corporation, Waterbury, Conn.

14102-3—Stair Treads (Cast Iron)

American Abrasive Metals Co. ("Feralun" Anti-Slip), 50 Church, New York
Canton Foundry & Machine Co., Canton, O.
See adv index at end of book
Cheney S. & Son, Manlius, N. Y.
Concrete Steel Co., 42 Broadway, New York
Hanke Iron & Wire Works, 800 N Albany av, Chicago, Ill.
Mesker Bros. Iron Co., 421 S 6th st, St. Louis, Mo.
ST. PAUL FOUNDRY CO., Como av & Mackubin, St. Paul, Minn.
See adv index at end of book
Woonsocket Mach. & Press Co. ("Rockdale Mills," Corrugated), Woonsocket R. I.

14104-5—Stair Treads (Lead Filled)

American Mason Safety Tread Co., Lowell, Mass.
Concrete Steel Co., 42 Broadway, New York
Safety Stair Tread Co., Wooster, Ohio
Universal Safety Tread Co. (Also Alundum), Waltham, Mass.

Stair Treads (Rubber)

See Mats & Matting, Rubber

14106—Stair Treads (Safety)

AMERICAN ABRASIVE METALS CO. ("Alumalun," "Brnozalun," "Feralun" Anti-Slip), 50 Church, New York
Amer. Mason Safety Tread Co., Lowell, Mass.
Concrete Steel Co., 42 Broadway, New York
Euclid Stone & Brick Co. ("Non-skid" av, Chicago, Ill.
Ryerson Jos. T. & Son Inc., 2558 W 16th, Chicago
See adv index at end of book
Safety Stair Tread Co. ("Wooster"), Wooster, Ohio
U. S. RUBBER CO. ("U. S." Motomats, "Usco" Hose), 1790 Broadway, New York *See adv index at end of book*
Victor Rubber Co., Springfield, Ohio

14106a—Stair Treads (Soapstone)

Alberene Stone Co., 153 W 23rd, New York

14107-8 — Stair Treads (Wrought Steel)

Amer. Mason Safety Tread Co., Lowell, Mass.
Braun J. G., 609 S Paulina, Chicago, Ill.
Concrete Steel Co., 42 Broadway, New York
Keystone Steel Co. ("Kesco" Diamond Ribbed & Checkered Pattern), H, Commercial Trust bldg, Phila., Pa.
Mesker Bros. Iron Co., 421 S 6th st, St. Louis, Mo.
Republic Structural Iron Works Co., 1350 E 53d, Cleveland, O.
Cleveland, O.
Safety Stair Tread Co., Wooster, Ohio
Standard Steel Sections, Inc., 608 E 133rd, New York
Trusen Steel Co., Youngstown, O.
VAILE & YOUNG, Bush & Ridgley, Baltimore, Md.
See adv index at end of book
Wood Alan Iron & Steel Co., Widener bldg, Philadelphia, Pa.
See adv index at end of book

14109— Stairs (Fireproof)

Bethlehem Fabricators, Inc., Bethlehem, Pa.
Dowman-Dozier Mfg. Co., Atlanta, Ga.
Hanke Iron & Wire Works, 800 N Albany av, Chicago, Ill.
Holzer R. G. (Estate of) (Steel Interlocking), 317 Burgundy, New Orleans, La.
Hughes-Keenan Co. (Pressed Steel), Mansfield, O.
Portage Iron & Wire Co., 1131 Johnson, Akron, O.
Republic Structural Iron Works Co., E. 53d & Lakeside av, Cleveland, O.
Scranton Iron & Steel Co., 1335 Capouse av, Scranton, Pa.
Vilsack Martin Co., 3222 Penn av, Pittsburgh, Pa.
Winslow Bros. Co., 4600 Harrison, Chicago, Ill.
Wrobbel-Maine Co., The, 3106 E 63rd, Cleveland, Ohio

14109a—Stairs (Iron & Bronze)

Art Metal Construction Co. (Steel), Jamestown, N. Y.
Barnum E. T. Wire & Iron Works, 501-523 Cass av, Detroit, Mich.
Boyer-Rathgeb Co., Stanson & Santa Fe avs, Los Angeles, Cal.
Cal. Artistic Metal & Wire Co., 349 7th, San Francisco, Cal.
CROWN IRON WORKS CO., 1229 Tyler, Minneapolis, Minn.
Halback C. E. Co., 189-91-93 Hanker, B'klyn, N. Y.
Hecla Iron Works, 118 N 11th, B'klyn, N. Y.
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
International Steel & Iron Co., Inc., 1243 Edgar, Evansville, Ind.
Michel & Pfeffer Iron Works, 1417 Harrison, San Francisco, Cal.
Richmond Structural Steel Co., 18th & Dock, Richmond, Va.
Scranton Iron & Steel Co. (Iron Only), 1335 Capouse av, Scranton, Pa.
Tyler, W. S. Co., Cleveland, O.
See adv index at end of book
Wilkins J. D., 204-6 W Lee, Greensboro, N. C.
Wis. Iron & Wire Works, 1660 Booth, Milwaukee, Wis.
Wrobbel-Maine Co., The, 3106 E 63rd, Cleveland, Ohio

14110—Stairs (Mine Escape Shaft)

Hanke Iron & Wire Works, 800 Albany av, Chicago, Ill.
Lucas A. & Sons, 1329 S Washington, Peoria, Ill.
Wrobbel-Maine Co., The, 3106 E 63rd, Cleveland, Ohio

14111— Stairways (Moving)

Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Dow Co., 201H N Buchanan, Louisville, Ky.
Otis Elevator Co., 26th & 11th av, New York

14112-3—Stake Pockets for Cars

National Malleable Castings Co., 7706 Platt av, S. E., Cleveland, O.
Phoenix Mfg. Co. (For Log Cars), Eau Claire, Wis.
Western Steel Car & Foundry Co., 122 So. Michigan, Chicago, Ill.

14114— Stakes (Cattle)

Auer John Jr. (Wrought), 197 Middleton, Brooklyn, N. Y.

14114a— *Stakes (Plant)

Bogert & Hopper Inc. (Wood), 57 Barclay, New York. *See adv index at end of book*
Duplex Mfg. Co. (Galvanizing Steel), 711 Rialto bldg, San Francisco, Cal.
Estes E. B. & Sons Co., 364 5th av, New York. *See adv index at end of book*

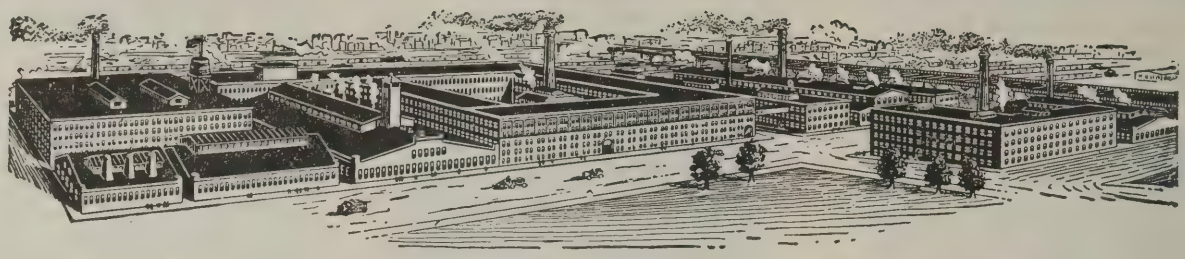
14115— Stakes (Tinners')

Emrich Phil. ("Emrich"), 824 Main, Cincinnati, O.
Lyon Conklin & Co., Inc. (Jobbers), Race & McComas, Baltimore, Md.
Merchant & Evans Co., Washington av & 21st, Philadelphia, Pa.
NIAGARA MACHINE & TOOL WORKS, Buffalo, N. Y.
See adv index at end of book

14116— Stalls (Cow)

Cowmatic Corp. ("Cowmatic" Steel), Lynchburg, Va.
Glor Bros. & Willis Mfg. Co., Attica, N. Y.
Hudson Mfg. Co., 324 3d av, N Minneapolis, Minn.
James Mfg. Co. ("James" Sanitary Steel), Ft. Atkinson, Wis.
Louden Machinery Co., Fairfield, Ia.
Mitchell Mfg. Co., Milwaukee, Wis.

(Continued on following page)



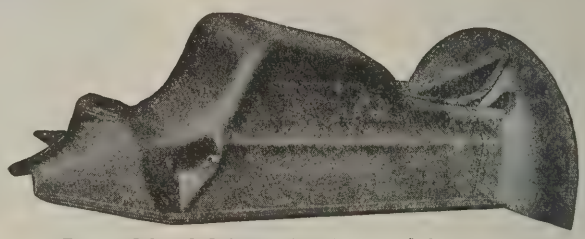
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Stalls (Cow)—Continued

Rossmann F. Mfg. Co., Beaver Dam, Wis.
Smith E. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Snow W. A. Iron Works (Inc.), 32 Portland, Boston, Mass.

14117-8—Stamped Parts for Cream Separators

Acklin Stamping Co., 1659 Dorr, Toledo, Ohio
Am. Tube & Stamping Co., Dept. H, 471 Hancock, Bridgeport, Conn.
BINGHAM STAMPING & TOOL CO., Post & Albion, Toledo, O.
See adv index at end of book
Bossert Corp. The, cor. Linden & West av, Utica, N. Y.
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Lansing Stamping Co., Lansing, Mich.
Oakes Co., Indianapolis, Ind
Superior Stamping Co., 2d & Elm, Cincinnati, O.

14119—Stamping (Aluminum)

Aluminum Goods Mfg. Co., Manitowoc, Wis.
Autoscrew Company, 355 W B'way, New York *See adv index at end of book*
Barnes-Gibson-Raymond, Inc. (Small), 6400 Miller av, Detroit, Mich.
See adv index at end of book
Barnes The Wallace Co., 18 Wallace, Bristol, Conn.
See adv index at end of book
Beehler Steel Products Co., 1447 N 13th, St. Louis, Mo.
Bossert Corp. (The), cor. Linden & West av, Utica, N. Y.
Cleveland Wrought Products Co., W 58th & W & L. E. Belt Line, Cleveland, O.
Dunbar Bros. Co., 80 South, Bristol, Conn.
See adv index at end of book
See adv index at end of book
Fargo E. A. Corp., Taunton, Mass.
Gasket Supply Co., 1927 Ludlow, Phila., Pa.
See adv index at end of book
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Henson-Blair Mfg. Co., 2828 Emerald, Phila., Pa.
Keystone Gasket Mfg. Co., 829 N 4th, Phila., Pa. *See adv index at end of book*
Lansing Stamping Co., Lansing, Mich.
Lenz Machine Wks., 199 Franklin, New York
McDowell Mfg. Co. (The), Millvale Sta., Pittsburgh, Pa.
See adv index at end of book
Metalite Co., 649 S Clarence, Los Angeles, Cal.
Milwaukee Stamping Co., W Allis, Milwaukee, Wis.
See adv index at end of book
New England Tube & Stamping Co. Inc., West Haven, Conn.
Oakes Co., Indianapolis, Ind.
Phoenix Metal Stamping Co., 2827H W Fletcher, Phila., Pa.
Quadriga Mfg. Co., 213 W Grand av, Chicago, Ill. *See adv index at end of book*
Reliance Metal Spinning & Stamping Co., Inc., 160 John, Brooklyn, N. Y.
Rochester Stamping Co., 176 Anderson av, Rochester, N. Y.
Seymour Metal Goods Co. (Small), 14H Beecher, Seymour, Conn.
Standard Stamping & Die Co., 153 33rd, Brooklyn, N. Y.
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Superior Stamping Co., 2d & Elm, Cincinnati, O.
Waterbury Button Corp., 831 South Main, Waterbury, Conn.
See adv index at end of book
Western Brass Mfg. Wks., Marshall blvd & 21st, Chicago, Ill.
WORCESTER PRESSED STEEL CO., Worcester, Mass.
See adv index at end of book
Zeigler Mfg. Co., Alexandria, Ind.

14120—Stamping (Automobile)

Acklin Stamping Co., 1659 Dorr, Toledo, Ohio
Am. Stamping Co., Battle Creek, Mich.
Autoscrew Company, 355 W B'way, New York *See adv index at end of book*
Beehler Steel Products Co., 1447 N 13th St. Louis, Mo.
See adv index at end of book
Bettcher Stamping & Mfg. Co. (The), Clark av, Cleveland, Ohio
BINGHAM STAMPING & TOOL CO., Post & Albion, Toledo, Ohio
See adv index at end of book
Bossert Corp. The, cor. Linden & West av, Utica, N. Y.
Boston Pressed Metal Co., 17 Union, Worcester, Mass.
Brewer-Titchener Corp. ("B. T. C."), **Cortland, N. Y.**
Central Metal Products Co. ("C. M. P."), Canton, Ohio
Clayton & Lambert Mfg. Co. (Sheet Metal Parts), 10565 Knodell av, Detroit, Mich.
Cleveland Wrought Products Co., The, 3400 W 58th, Cleveland, Ohio
See adv index at end of book
Commercial Shearing & Stamping Co., Youngstown, Ohio
Crandall Stone Div, The Brewster-Titchener Corp. ("Pioneer"), Binghamton, N. Y.
Crosby Co., 183H Pratt, Buffalo, N. Y.
Edwards Mfg. Co., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
Federal Pressed Steel Co., Keefe av & W Peirce, Milwaukee, Wis.
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
GASKET SUPPLY CO. (Any Kind, Shape & Material), 1927 Ludlow, Phila., Pa.
See adv index at end of book
GEUDER, PAESCHKE & FREY CO., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
HARKER MFG. CO., 121-123 W 3d, Cincinnati, O.
Harry Bros. Mfg. Co., 1303 Woodbridge, E Detroit, Mich.
Henson-Blair Mfg. Co., 2828 Emerald, Philadelphia, Pa.
Holan Metal Products Co., N 40th & Clark av, Cleveland, O.
Hubbard Pressed Steel Co., Niles, O.
Kales Stamping Co., 1630 W Lafayette blvd, Detroit, Mich.
See adv index at end of book
Keystone Gasket Mfg. Co., 829 N 4th, Phila., Pa. *See adv index at end of book*
Lansing Stamping Co., Lansing, Mich.
Lenz Machine Wks., 199 Franklin, New York
McDOWELL MFG. CO. (THE), (Millvale Sta.), Pittsburgh, Pa.
See adv index at end of book
Master Products Co., The, 6414 Park av, Cleveland, Ohio
MILWAUKEE STAMPING CO., W Allis, Milwaukee, Wis.
See adv index at end of book
MOTOR WHEEL CORP. ("Gier"), 701-735 E Saginaw, Lansing, Mich.
See adv index at end of book
Mullins Body Corp., Dept. H, Salem, O.
Niles Steel Products Co., Niles, O.
See adv index at end of book
Oakes Co., Indianapolis, Ind.
Powell Pressed Steel Co., Hubbard, O.
Scovill Mfg. Co. (To Order Only), Waterbury, Conn. *See adv index at end of book*

Superior Stamping Co., 2d & Elm, Cincinnati, O.
Waterbury Button Corporation, 831 So. Main, Waterbury, Conn.
See adv index at end of book
Western Cartridge Co., East Alton, Ill.
WORCESTER PRESSED STEEL CO. (Parts), Worcester, Mass.
See adv index at end of book

AUTOMOBILE METAL STAMPINGS
Worcester Pressed Steel Co.
Worcester Mass.
Branch Offices: New York Chicago
St. Louis Detroit Indianapolis

YOUNGSTOWN PRESSED STEEL CO., Warren, O. *See adv index at end of book*
Zeigler Mfg. Co., Alexandria, Ind.

14121— Stamping (Brass)

Acklin Stamping Co., 1659 Dorr, Toledo, O.
Am. Stamping Co., Battle Creek, Mich.
Ansonia Mfg. Co., H, River rd, Ansonia, Conn.
Autoscrew Company, 355 West Broadway, New York. *See adv index at end of book*
BALTIMORE TUBE CO., Wicomico & Ostend, Baltimore, Md.
See adv index at end of book
Barnes-Gibson-Raymond, Inc. (Small), 6400 Miller av, Detroit, Mich.
See adv index at end of book
Barnes, The Wallace Co., 18 Wallace, Bristol, Conn. *See adv index at end of book*
Beehler Steel Products Co., 1449 N 13th, St. Louis, Mo.
See adv index at end of book
Benjamin Electric Mfg. Co., 120 S Sangamon, Chicago
Bossert Corp. The, Cor. Linden & West av, Utica, N. Y.
Bridgeport Brass Co., E Main, Bridgeport, Conn.
Cleveland Wrought Products Co., W 58th & W. & L. E. Belt Line, Cleveland, O.
Conklin Brass & Copper Co. T. E., 54-60 Lafayette, New York
See adv index at end of book
Crescent Brass Products Co., 8410H Lake av, Cleveland, O.
Dunbar Bros. Co., 80 South, Bristol, Conn.
See adv index at end of book
Electric Appliance Mfg. Co., Dept H, Waterbury, Conn.
Everitt Co., 267 Franklin, Boston, Mass.
See adv index at end of book
Faries Mfg. Co. (Electric Fixtures), Decatur, Ill.
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Gasket Supply Co. (All Shapes & Sizes), 1927 Ludlow, Phila., Pa.
See adv index at end of book
GEUDER, PAESCHKE & FREY CO., 1314-1790 St. Paul, Milwaukee, Wis.
See adv index at end of book
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Greer Fredric, 2608 Flournoy, Chicago
Harvey Metal Corp, 74th & Ashland, Chicago
HENSON-BLAIR MFG. CO., 2828 Emerald, Philadelphia, Pa.
Kales Stamping Co., 1680 W Lafayette blvd, Detroit, Mich.
See adv index at end of book
Keystone Gasket Mfg. Co., 829 N 4th, Phila., Pa. *See adv index at end of book*
Kunkel Mfg. Co., 781 S San Pedro, Los Angeles, Cal.
Lansing Stamping Co., Lansing, Mich.
McDOWELL MFG. CO. (THE), (Millvale Sta.), Pittsburgh, Pa.
See adv index at end of book
Master Products Co., 6410H Park av S E, Cleveland, O.
MILWAUKEE STAMPING CO., W Allis, Milwaukee, Wis.
See adv index at end of book
New England Tube & Stamping Co. Inc., West Haven, Conn.
Oakes Co., Indianapolis, Ind.
Peoria Can Co., Peoria, Ill.
Pfau Mfg. Co., Mentour & Huston, Norwood, Cincinnati, O.
Phoenix Metal Stamping Co., 2827H W Fletcher, Phila, Pa.
Quadriga Mfg. Co., 213 W Grand av, Chicago, Ill. *See adv index at end of book*
Reliance Metal Spinning & Stamping Co., Inc., 160 John, Brooklyn, N. Y.
Rochester Stamping Co., 176 Anderson av, Rochester, N. Y.
Scovill Mfg. Co. (& Bronze to Order Only), Waterbury, Conn.
See adv index at end of book
Seymour Metal Goods Co. (Small), 14H Beecher, Seymour, Conn.
Standard Stamping & Die Co., 153 33rd, Brooklyn, N. Y.
Superior Stamping Co., 2d & Elm, Cincinnati, O.
Waterbury Button Corp., 831 South Main, Waterbury, Conn.
See adv index at end of book
Western Brass Mfg. Wks., Marshall blvd & 21st, Chicago, Ill.
Western Cartridge Co., East Alton, Ill.
Winchester Brass & Copper Co., Winsted, Conn.
WORCESTER PRESSED STEEL CO., Worcester, Mass.
See adv index at end of book

14121a—Stampings (Bronze)

Conklin Brass & Copper Co. T. E., 54-60 Lafayette, New York
See adv index at end of book

14122— Stamping (Copper)

Autoscrew Company, 355 West Broadway, New York. *See adv index at end of book*
BALTIMORE TUBE CO., Wicomico & Ostend, Baltimore, Md.
See adv index at end of book
Barnes-Gibson-Raymond, Inc. (Small), 6400 Miller av, Detroit, Mich.
See adv index at end of book
Barnes, The Wallace Co., 18 Wallace, Bristol, Conn. *See adv index at end of book*
Beehler Steel Products Co., 1447 N 13th St. Louis, Mo.
See adv index at end of book
Bossert Corporation (The), cor. Linden & West av, Utica, N. Y.
Bridgeport Brass Co., E Main, Bridgeport, Conn.
Conklin Brass & Copper Co. T. E., 54-60 Lafayette, New York
See adv index at end of book
Dunbar Bros. Co., 80 South, Bristol, Conn.
See adv index at end of book
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Harvey Metal Corp., 74th & Ashland, Chicago
Henson-Blair Mfg. Co., 2828 Emerald, Philadelphia, Pa.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Kales Stamping Co., 1680 W Lafayette blvd, Detroit, Mich.
See adv index at end of book
Keystone Gasket Mfg. Co., 829 N 4th, Phila., Pa. *See adv index at end of book*
Lansing Stamping Co., Lansing, Mich.
McDOWELL MFG. CO. (THE), (Millvale Sta.), Pittsburgh, Pa.
See adv index at end of book
Master Products Co., 6410H Park av S E, Cleveland, O.
Metalite Co., 649 S Clarence, Los Angeles Cal.
MILWAUKEE STAMPING CO., W Allis, Milwaukee, Wis.
See adv index at end of book
Phoenix Metal Stamping Co., 2827H W Fletcher, Phila., Pa.
Reliance Metal Spinning & Stamping Co., Inc., 160 John, Brooklyn, N. Y.
Rochester Stamping Co., 176 Anderson av, Rochester, N. Y.
Seymour Metal Goods Co. (Small), 14H Beecher, Seymour, Conn.
Superior Stamping Co., 2d & Elm, Cincinnati, O.
Waterbury Button Corp., 831 South Main, Waterbury, Conn.
See adv index at end of book
Zeigler Mfg. Co., Alexandria, Ind.

14122a—Stamping (Fibre)

Diamond State Fibre Co., Dept. 37, Bridgeport, Pa.
See adv index at end of book

14122b—Stamping (Huller Scraper)

Merwin Mfg. Co., Erie Pa.

14122c—Stamping (Implement)

Cleveland Wrought Products Co., The, 3400 W 58th, Cleveland, Ohio
See adv index at end of book

14122d—Stamping (Monel Metal & Nickel)

AUTOSCREW CO., 355 W Broadway, New York
See adv index at end of book

14122e—Stamping (Nickel Silver)

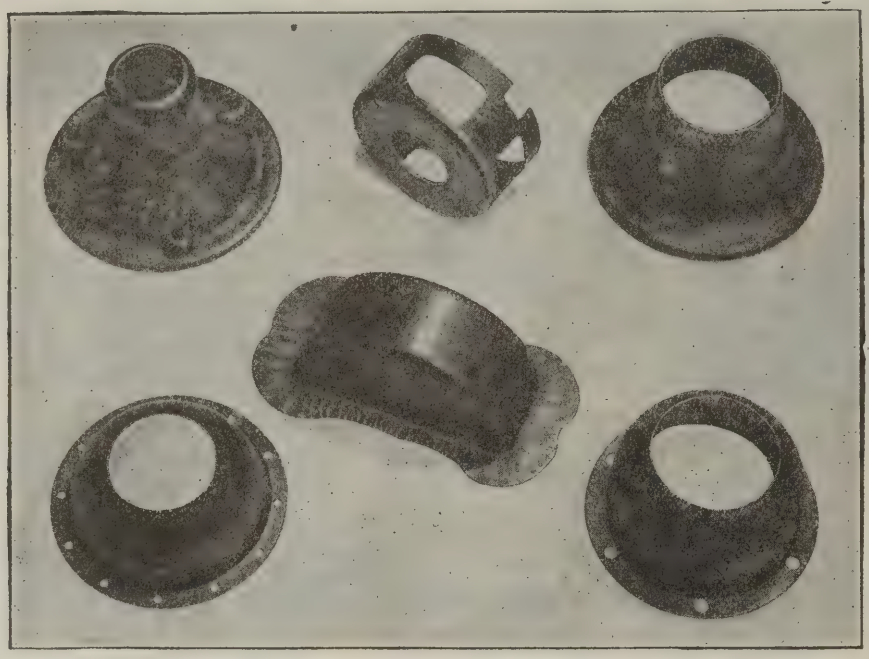
Autoscrew Company, 355 W Broadway, New York. *See adv index at end of book*
Barnes-Gibson-Raymond, Inc. (Small), 6400 Miller av, Detroit, Mich.
See adv index at end of book
Barnes, The Wallace Co., 18 Wallace, Briston, Conn.
See adv index at end of book
Cleveland Wrought Products Co., W 58th & W & L E Belt Line, Cleveland, O.
Conklin Brass & Copper Co. T. E., 54-60 Lafayette, New York
See adv index at end of book
Dunbar Bros. Co., 80 South, Bristol, Conn.
See adv index at end of book
Henson-Blair Mfg. Co., 2828 Emerald, Philadelphia, Pa.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Matthews H. A. Mfg. Co., Seymour, Conn.
Quadriga Mfg. Co., 213 W Grand av, Chicago, Ill. *See adv index at end of book*
Reliance Metal Spinning & Stamping Co., Inc., 160 John, Brooklyn, N. Y.
Rochester Stamping Co., 176 Anderson av, Rochester, N. Y.
Seymour Metal Goods Co. (Small), 14H Beecher, Seymour, Conn.
Waterbury Button Corp., 831 South Main, Waterbury, Conn.
See adv index at end of book

14123—Stamping (Sheet Metal)

A-1 Metallic Products Co., 711 Canal rd, Cleveland, O.
A. & J. Mfg. Co., Binghamton, N. Y.
Acer & Whedon, Medina, N. Y.
Acklin Stamping Co., 1659 Dorr, Toledo, O.
Acme Die & Stamping Co., McKee's Rocks, Pa.
Acme Stamping & Mfg. Co., Corliss & Rudd, Pittsburgh, Pa.
Active Spinning & Sheet Metal Works, 15-17 W Kinzie, Chicago, Ill.
Adams S. G. Stamp & Stationery Co., 412 N 6th, St. Louis, Mo.
Adell Mfg. Co. (Light & Heavy), Orange, Mass.
Ahl Frank Z., Sheet Metal Works, Sacramento, Cal.
AKRON METALLIC GASKET CO., 142 N Union, Akron, O.
See adv index at end of book
Albatross Metal Furniture Co. ("Albatross"), 715 Thurman, Portland, Ore.
Allsteelequip Co., Aurora, Ill.
Alsteel Mfg. Co., Battle Creek, Mich.
American Automatic Device Co., 515 W Monroe, Chicago, Ill.
American Brass Products Co., Pottstown, Pa
AMERICAN CAN CO., 120 B'way, New York *See adv index at end of book*
American Instrument Works Inc., 18 E Lacock, Pittsburgh, Pa.
American Metal Works, Stenton & Rockland, Germantown, Phila., Pa.
American Motor Body Co., 18th H & Lehigh av, Phila., Pa.
Am. Nut & Bolt Fastener Co. (All Kinds of Stamped Metal Specialties), 3 Ontario, Pittsburgh, Pa.
American Safety Lamp & Mine Supply Co., 1327 Capouse av, Scranton, Pa.
American Shovel & Stamping Co., Lorain, Ohio
Amer. Specialty Co. (Brass & Steel), Dept. H, 165 Holland av, Bridgeport, Conn.
Am. Stamping Co., Battle Creek, Mich.
American Steel Band Co., 886 Progress, Pittsburgh, Pa.
Am. Tube Stamping Co. (Steel), 471H Hancock av, Bridgeport, Conn.
Ansonia Mfg. Co. (Brass & Steel), River rd, Ansonia, Conn.
Ansonia Novelty Co. (Light), 285 Main, Ansonia, Conn.
Apex Mfg. Co., Ft. Powell, Oakland, Cal.
Arwe Card H. Mfg. Co., 1348 De Kalb av, B'klyn, N. Y.
Atlantic Stamping Co., 156-180 Ames, Rochester, N. Y.
Atlas Metal Parts Co., 998 15th, Milwaukee, Wis.
Atlas Tool Works (Light), 488 John, Bridgeport, Conn.
AUTOSCREW CO., 355 W Broadway, New York *See adv index at end of book*
B. C. Metal Stamping Co., 327 Langton, San Francisco, Cal.
Baker W. J. Co., Newport, Ky.
Conn.
Baldwin C. S. Mfg. Co., Cherry, Milford, Conn.
Barcy Nicholson Co., 2801 W Fort, Detroit, Mich.
Barker H. J. & Co., 101 N Jefferson, Chicago, Ill.
Barlow Co., Holyoke, Mass.
Barnes-Gibson-Raymond, Inc. (Small), 6400 Miller av, Detroit, Mich.
See adv index at end of book
BARNES, THE WALLACE CO. (Small), 18 Wallace, Bristol, Conn.
See adv index at end of book
Bassemir John & Son, 122 Centre, New York
Bassick Co., 38 Austin, Bridgeport, Conn.
Batavia Specialty Co., Batavia, N. Y.
Bay City Iron Works (Heavy), 1215 Harrison, San Francisco, Cal.
BAY STATE STAMPING CO. (To Order), 380 Chandler, Worcester, Mass.
See adv index at end of book
Beaton & Cadwell Mfg. Co., New Britain, Conn
Beaver Machine & Tool Co. Inc., 625 N 3d, Newark, N. J.
Beckley Perforating Co., Garwood, N. J.
Bedford Aluminum & Specialty Co., 4 Reade, New York
Beebe W. S. Co., 338 York, New Haven, Conn.
Beehler Steel Products Co., 1447 N 13th, St. Louis, Mo.
See adv index at end of book
Benjamin Electric Mfg. Co., 120 S Sangamon, Chicago
Bernardin Bottle Cap Co., Evansville, Ind.
Bettcher Stamping & Mfg. Co. (Airplane, Automobile, Motor Truck & Traction Stamping), Clark av, Cleveland, O.
See adv index at end of book

(Continued on following page)

Stampings of Quality



WHATEVER your stamping needs, we are ready to take care of them. We have the men, the equipment, each the best of their kinds; and, we have the capacity.

Complicated stampings of all types and descriptions. Send us your blue prints and specifications.

The Bingham Stamping & Tool Company

1062 Post Street, Toledo, Ohio

Stamping (Sheet Metal)—Continued

Bilton Machine Tool Co., The (& Small Drawing), Bridgeport, Conn.
BINGHAM STAMPING & TOOL CO., Post & Albion, Toledo, O.
See adv index at end of book
Blickman Isidor, 399 Bowery, New York
Bliss A. H. & Co., No. Attleboro, Mass.
Blomfeldt & Rapp Co., 108 N Jefferson, Chicago, Ill.
Boesch Lamp Co., 962 Mission, San Francisco, Cal.
Bossert Corp The, Cor. Linden & West av, Utica, N. Y.
Boston Pressed Metal Co., 170 Union, Worcester, Mass.
Boston Tool & Mfg. Co. Inc., 262 Dover, Boston, Mass.
Bowers Mfg. Co., 35th & Hill, Los Angeles, Cal.
Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Bridgeport Brass Co. (Large), E Main, Bridgeport, Conn.
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Bridgeport Metal Goods Mfg. Co., Pine & Cherry, Bridgeport, Conn.
Briggs & Turvas (Dirs.), 110 S Dearborn, Chicago, Ill.
Buckeye Stamping Co., Columbus, O.
Budd Edward G. Mfg. Co., 25th & Hunting Park av, Phila., Pa.
Buffalo Pressed Steel Co., 800 Kensington av, Buffalo, N. Y.
Burdick & Son., Albany, N. Y.
Burr Mfg. Co., Whitney Power blk, Cleveland, O.
Burrows Metal Mfg. Co., 572 Greenwick, New York
Canister Co. of New Jersey (Tin Stamping), Phillipsburg, N. J.
Carpenter L. A. Press Metal Co. (Brass & Steel), Cambridge, Mass.
Cassady, Fairbank Mfg. Co., 6136 S La La Salle, Chicago, Ill.
Central Machine Works, 1911 N 12th, St. Louis, Mo.
Central Machine Works, Inc., 940 Santee, Los Angeles, Cal.
Champion Hardware Co., Geneva, O.
CHANDLER CO. (Blanking & Piercing, Light & Metal), Springfield, Mass.
See adv index at end of book
Chapin R. E. Mfg. Works, Batavia, N. Y.
Chicago Fuse Mfg. Co., Laflin & 15th, Chicago, Ill.
See adv index at end of book
Chicago Metal Mfg. Co., 216 W Ontario, Chicago, Ill.
Childs S. D. & Co., 136 S Clark, Chicago, Ill.
Cincinnati Stamping Co., 24 W McMicken av, Cincinnati, O.
Clark A. N. & Son (Nickel Finish, etc.), Plainville, Conn.
Clark-Cadie-Harmon Corp., Rochester, N. Y.
Clayton & Lambert Mfg. Co. (Large & Small), 10565 Knodell av, Detroit, Mich.
Cleveland Metal Products Co., 7609 Platt av & C. & P. tracks, Cleveland, O.
Cleveland Metal Stamping Co., Cleveland, Ohio
Cleveland Stamping & Tool Co. (Also Enameled & Polished Hollow Ware), E 33rd & Hamilton, Cleveland, O.
CLEVELAND WROUGHT PRODUCTS CO., THE, 3400 W 58th, Cleveland, Ohio
See adv index at end of book
Columbia Metal Stamping Co., Cleveland, O
Columbus Die, Tool & Machine Co., 955 Cleveland av, Columbus, O.
Commercial Shearing & Stamping Co. The, Youngstown, O.
Conklin Brass. & Copper Co. T. E., 54-60 Lafayette, New York
See adv index at end of book
Consolidated Fruit Jar Co., New Brunswick, N. J.
Consolidated Mfg. Co., Dayton, Ohio
Continental Machine Works, 223 5th, Oakland, Cal.
Cook H. C. Co., 29H Beaver, Ansonia, Conn.
Cornwall Mfg. Co., Penobscot av, Cleveland, O.
Crandall, Stone Co., Division The Brewer-Titchener Corp., Binghamton, N. Y.
Crellin Machine Co., 123 Llewellyn, Los Angeles, Cal.
Crosby Co., 183 Pratt, Buffalo, N. Y.
Crozier R. J. Co. (Dirs.), 10H S 18th, Phila., Pa.
Crysteel Works, of Benjamin Electric Mfg. Co., 847 W Jackson blvd, Chicago, Ill.
Cuyahoga Spring Co., 10253 Berea rd, Cleveland, O.
Dahlstrom Metallic Door Co., 413 Buffalo, Jamestown, N. Y.
See adv index at end of book
Dail Steel Products Co., Lansing, Mich.
Davis K. A. Mfg. Co., 167 13th, Oakland, Cal.
Defiance Pressed Steel Co., Defiance, Ohio
Detroit Metal Spinning Co., 625H Monroe av, Detroit, Mich.
Detroit Pressed Steel Co. (Medium & Heavy), 6660 Mt. Elliott, Detroit, Mich.
Detroit Range Boiler & Steel Barrel Co. (Heavy), 2475 24th, Detroit, Mich.
Detroit Stamping Co., 3445 W Fort, Detroit, Mich.

GOOD STAMPINGS
And Dies for same
DETROIT STAMPING CO.
3445 West Fort Street, Detroit, Mich.

Diamond Expansion Bolt Co., 89 West, New York *See adv index at end of book*
Dickey-Grabler Wks., 118 Noble ct, Cleveland, O.
Dill Mfg. Co. (For Rim & Tire Industry), 684 E 82nd, Cleveland, O.
Dow Co., Inc., 201 N Buchanan, Louisville, Ky.
Dunbar Bros. Co., 80 South, Bristol, Conn.
See adv index at end of book
Dunn J. Edward Co., 9 Bethune, New York
Eagle Mfg. Co., Wellsburg, W. Va.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
Elec. Appliance Mfg. Co., Dept. H, Waterbury, Conn.
Elfers Wm. R., 140 Sullivan, New York
Ellis Mfg. Co., Millidale, Conn.
Empire Electric & Mfg. Co. (Light & Heavy)(Plainville, Conn.
Enterprise Mfg. Co., Akron, O.
Erdle Perforating Co., 171 York, Rochester. N. Y. *See adv index at end of book*
Erie Metal Furniture Co., Erie, Pa.
Everitt Co., 267 Franklin, Boston, Mass.
See adv index at end of book
Fanner Mfg. Co., Cleveland, O.
Farber S. W., 147 S 5th, Brooklyn, N. Y.
Federal Enameling & Stamping Co., Thomson & Chartiers, Pittsburgh, Pa.
Federal Pressed Steel Co., Keefe av & W Peirce, Milwaukee, Wis.
Federal Stamping Co., Holland, Mich.
Fidelity Can Co. (Tin), 600H S Caroline, Baltimore, Md.
Fischer Chas. Spring Co., 240 Kent av, Brooklyn, N. Y.
Forg Peter Mfg. Co., Somerville, Mass.
Forsyth Metal Goods Co., E. Aurora, N. Y.
Forsberg Mfg. Co., Bridgeport, Conn.
Fostoria Pressed Steel Co., Fostoria, O.
Gainer F. H. Broad, Plainville, Conn.

Sheet Metal

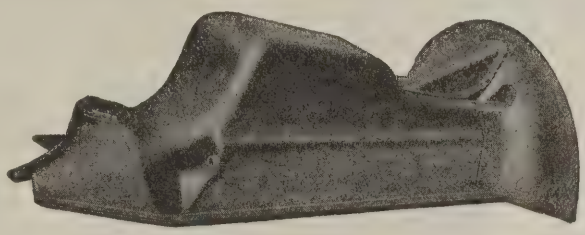
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See adv index at end of book

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See adv index at end of book

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Hahn Harry W. Mfg. Co., 629 W San Pedro, Los Angeles, Cal.

HARKER MFG. CO., 121-123 W 3rd, Cincinnati, O.

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Johnson & Walters Mfg. Co., 101 Baltimore av, Detroit, Mich.
Joliet Wrought Washer Co., 2001 Collins, Joliet, Ill.

KALES STAMPING CO., 1680 W. Lafayette blvd, Detroit, Mich.
See adv index at end of book

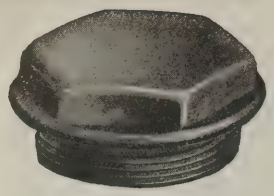
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Keystone Gasket Mfg. Co. ("Keystone Excellent"), 829 N 4th, Phila., Pa.
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Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cincinnati, O.
Kittle Mfg. Co., 643 Santa Fe av, Los Angeles, Cal.
Konigslow E. Stamping & Tool Works, Cleveland, O.
Konigslow Otto Mfg. Co. (Special Manufacturing), 3506 Perkins av, Cleveland, Ohio
Lang R. B. Mfg. Co., Racine, Wis.
Lange Mfg. Co., 399H Silver, Elgin, Ill.
Lansing Stamping Co., Lansing, Mich.
Larkin Specialty Mfg. Co., 268 1st, San Francisco, Cal.
Lees John, Indianapolis, Ind.
Lenz Machine Wks., 199 Franklin, New York
Lidseen, Gustave, 832 S Central av, Chicago, Ill.
Lima Sheet Metal Products Co. (Heavy), Lima, O.
Lindholm Metal Stamping Co., 107 Erie, Camden, N. J.
Livermore Homer F., Inc., 85 Pearl, Boston, Mass.
Loafea S. ("California Brand"), 5740 Elizabeth, Oakland, Cal.
Los Angeles Rubber Stamp Co., 15th & S Los Angeles, Los Angeles, Cal.
Love & Deuter Mach. Wks., 2030 S Main, Los Angeles, Cal.
Loventgen H. K., 60 Grand, New York
Lucas Charles H. (Small), 158 Alder, Waltham, Mass.
Luitink & Sons Mfg. Co., 775 18th av, Milwaukee, Wis.
McCord Radiator Mfg. Co., 2587 E Gd. blvd, Detroit, Mich.
McCulloch Mfg. Co., 200 Old Colony av, Boston, Mass.
McCully R. P & C. H., Inc., 331 Van Buren, Brooklyn, N. Y.

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See adv index at end of book

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Merwin Mfg. Co., Erie, Pa.
Metal Crafters, E. Stroudsburg, Pa.
Metal Package Corp. of N. Y., 509 5th av, New York *See adv index at end of book*
Metal Products Corp., 49 Chestnut, Weehawken, N. J.
Metal Specialty Co., 1533 W 6th, Cincinnati, O.
Metal Stamping Corp., Streator, Ill.
Metalite Co., 649 S Clarence, Los Angeles, Cal.
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Michigan Stamping Co., Mack & Outer Belt Line, Detroit, Mich.
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MILWAUKEE STAMPING CO., W Allis, Milwaukee, Wis.
See adv index at end of book
Mitchell G. F. & Son, Cedar & E 85th, Cleveland, O.
Model Machine Wks., 317 W Pico, Los Angeles, Cal.
Model Products Co., 9th & Venango, Phila., Pa.
Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, Ohio
See adv index at end of book
Moline Pressed Steel Co., East Moline, Ill.
Monarch Tool & Mfg. Co., The, 122 Opera pl, Cincinnati, O.
Mossberg Frank Co. (Stamping & Punching), Attleboro, Mass.
MOTOR WHEEL CORP. ("Gier"), 701-735 E Saginaw, Lansing, Mich.
See adv index at end of book
Mound Tool Co., 1203 S 7th, St. Louis, Mo.
Mullins Body Corp. (Steel), Dept. H, Salem, O.
National Co., 277 Congress, Boston, Mass.
National Stamping & Electric Wks., Clinton & Van Buren, Chicago, Ill.
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NEWTON MFG. CORP., Plainville, Conn.
See adv index at end of book
Niagara Falls Metal Stamping Works (Aluminum, Brass, Copper, Steel, etc), Niagara Falls, N. Y.
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Plume & Atwood Mfg. Co., 170 Bank, Waterbury, Conn.
Pocono Metal Mfg. Co. Inc., East Stroudsburg, Pa.
Poulsen & Nardon, 230 N Los Angeles, Los Angeles, Cal.
Powell Pressed Steel Co., Hubbard, O.
Precision Metal Workers, 3100 Carroll av, Chicago, Ill.
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Pressed Steel Co. (Heavy Stampings, Auto Truck Parts), N Penn av, Wilkes-Barre, Pa.
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Prisk Wm. M. & Sons Mfg. Co., Yalesville, Conn.
Pritchard Stamping Co., Rochester, N. Y.
QUADRIGA MFG. CO., 213 W Grand av, Chicago, Ill. *See adv index at end of book*
Quinsigamond Pressed Steel Co., 62 Jackson, Worcester, Mass.
R. & S. Engraving & Die Works, 617-631 Jackson blvd, Chicago, Ill.
See adv index at end of book
Racine Metal Stamping Co., Racine, Wis.
Reed & Skeppstrom, 625 W Jackson blvd, Chicago
See adv index at end of book
Reiter G. C., Canton, O.
Reliance Metal Spinning & Stamping Co. Inc., 160 John, Brooklyn, N. Y.
Resilient Safewheel Co., Inc., 1829 Cypress, Oakland, Cal.
Rex Steel Stamping Co., Cass St. car line, Joliet, Ill.
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ROBINSON TOOL WORKS, INC. (Small, Brass & Steel), Waterbury, Conn.
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Rochester Stamping Co., 176 Anderson av, Rochester, N. Y.
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Sessions J. H. & Son, Bristol, Conn.
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Sharon Steel Hoop Co., Finance bldg, Sharon, Pa.
Shehan Tool & Machine Co., 783 Kohler, Los Angeles, Cal.
Smith Thos. Co. (Heavy), 288 Grover, Worcester, Mass.
Snedden Machine Works, 1972 S Los Angeles, Los Angeles, Cal.
Snow Albert E. & Co., 252 B'way, New York
Special Machinery Co. (Light), 38 Remer, Bridgeport, Conn.
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Standard Die & Stamping Co., Arrott Power bldg, Pittsburgh, Pa.
Standard Nut & Bolt Co., Valley Falls, R. I.
Standard Stamping & Die Co., 153 33d, Brooklyn, N. Y.
Standard Steel Box Co. (Light), Bridgeville, Pa.
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Steel Stamping Co., Lorain, Ohio
Sterling Devices Co., 9 Lispenard, New York
Sterling Machine & Die Works, 625 W Jackson blvd, Chicago, Ill.
Sterling Mach. & Stamping Co., Wellington, O.
Stillman Allen P. Inc., 805 Lexington, Brooklyn, N. Y.
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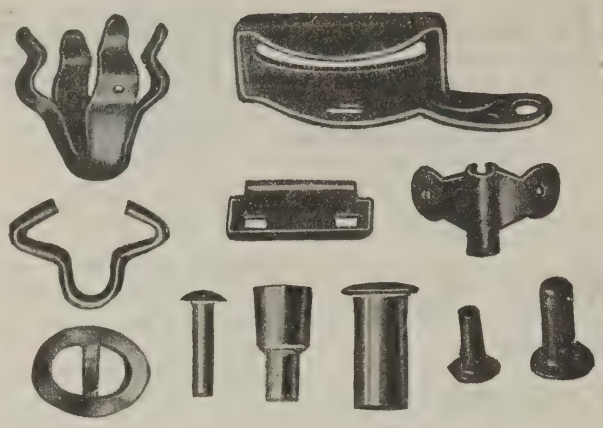
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(Continued on following page)

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Is the index to Trades in which every item is listed and cross-indexed, making this the most easily used book. Always consult the Index to Trades when in search of information.



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Van Valkenburg L. D., Holyoke, Mass.
Victory Machine Works, 559 Howard, San Francisco, Cal.
Vogel Wm. & Bros., 37 S 9th, Brooklyn, N. Y.
Waechtler Walter E., 204 1st, San Francisco, Cal.
Wagner E. R. Mfg. Co., North Milwaukee, Wis.
Wagniere Mfg. Co., 1011 E Slauson av, Los Angeles, Cal.
Walstad Machine Co., 1005 East D, Tacoma, Wash.
Warner Bros. Co. (Small), 385 Lafayette, Bridgeport, Conn.
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WATERBURY BUTTON CORPORATION (Small Articles), 831 S Main, Waterbury, Conn. *See adv index at end of book*
Waterbury Mfg. Co., Division Chase Companies, Inc., Waterbury, Conn.
Waterbury Metal Wares Co. (Light), H. Jackson, Waterbury, Conn.
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Western Aircraft Corp., 1212 E 6th, Los Angeles, Cal.
Western Cartridge Co., East Alton, Ill.
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Western Tool & Die Works, 109 N 3d, Portland, Ore.
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Whitnal Co., Plainville, Conn.
Wilcox W. W. Co., 1735 Armitage av, Chicago, Ill.
Willemin Mfg. Co., Inc., 181 Eddy, Providence, R. I.
Winter Stamping Co., Dept. H, Goshen, Ind.
Wisconsin Metal Products Co., Racine, Wis.
Wolverine Supply & Mfg. Co., Page & Fontella, Pittsburgh, Pa.
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See adv index at end of book

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Wrought Washer Mfg. Co., 50 S Bay, Milwaukee, Wis.
York Corrugating Co., York, Pa.
YOUNGSTOWN PRESSED STEEL CO. (Pressed Steel), Warren, Ohio
See adv index at end of book
Zeigler Mfg. Co., Alexandria, Ind.

Stamping (Steel)

See Stamping (Sheet Metal)

14123a—Stamping (Steel Furniture)

Erie Metal Furniture Co., Erie, Pa.
G G G Metal Stamping Co., Warren, Pa.
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Joliet Wrought Washer Co., 2001 Collins, Joliet, Ill.
Kales Stamping Co., 1680 W Lafayette blvd, Detroit, Mich.
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LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Merwin Mfg. Co. (Chair Sides, Mop Heads, Seat Supports & Table Top Fasteners), Erie, Pa.
Niles Steel Products Co., Niles, O.
See adv index at end of book
Superior Stamping Co., 2d & Elm, Cincinnati, O.

14124— Stamping Works

See also Enameled Ware Mfrs.; also Stamping, Sheet Metal

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Adams & Westlake Co., 319 W Ontario, Chicago, Ill.
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Amer. Specialty Co., Dept H, 165 Holland av, Bridgeport, Conn.
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American Stamping & Enameling Co., Bellaire, Ohio
Am. Tool & Mfg. Co., Urbana, O.
Atlas Metal Parts Co., 998 15th, Milwaukee, Wis.
BAKER EDW. J. & CO., 608 Otis bldg, Chicago, Ill.
Beaton & Cadwell Mfg. Co. ("Gem"), New Britain, Conn.
Beaver Machine & Tool Co. Inc., 625 N 3d, Newark, N. J.
Beehler Steel Products Co., 1447 N 13th, St. Louis, Mo.
See adv index at end of book
Bingham Stamping & Tool Co., Post & Albion, Toledo, Ohio
See adv index at end of book
Bossert Corp. The., Cor. Linden & West av, Utica, N. Y.
Boston Pressed Metal Co., 17 Union, Worcester, Mass.
Bowen Products Co., Divisions, Auburn, N. Y.; Detroit, Mich.; Cleveland, O.; Minneapolis, Minn., & Windsor, Ont. Canada *See adv index at end of book*
Brunswick Mfg. Co. (Light Metal), Brunswick, Me.
Central Stamping Co., 206 B'way, New York
Chicago Die & Machine Works, 415 N Carpenter, Chicago, Ill.
Cincinnati Stamping Co., 24 W McMicken av, Cincinnati, O.
Cleveland Metal Products Co., 7609 Platt av, Cleveland, O.
Cleveland Metal Stamping Co., Cleveland, Ohio
Cleveland Pressed Steel Co., Havard av, Cleveland, O.
CLEVELAND WROUGHT PRODUCTS CO., THE, 3400 W 58th, Cleveland, Ohio
See adv index at end of book
Columbian Enameling & Stamping Co. (Enameled Ware), Terre Haute, Ind.
Commercial Shearing & Stamping Co., Youngstown, Ohio
Conn. Metal Treating Co., Inc. (All Prods.), 207 Knowlton av, Bridgeport, Conn.
Crescent Brass Products Co., 8410H Lake av, Cleveland, Ohio
Cuyahoga Spring Co., 10253 Berea rd, Cleveland, O.
Dail Steel Products Co., Lansing, Mich.
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Erie Metal Products Co., Erie, Pa.
Faries Mfg. Co. (Electric Fixtures, Brass), Decatur, Ill.
Federal Enameling & Stamping Co., Thomson & Chartiers, Pittsburgh, Pa.
Federal Stamping Co., Holland, Mich.
Fostoria Pressed Steel Co., Fostoria, O.
Geometric Stamping Co., 221 E 131st, Cleveland, O.
GEUDER, PAESCHKE & FREY CO. (Steel), 1314-1790 St. Paul av, Milwaukee, Wis. *See adv index at end of book*
Gier Pressed Steel Co., Lansing, Mich.
GREAT LAKES PRESSED STEEL CORP., 1410 Niagara, Buffalo, N. Y.
Harry Bros. Mfg. Co., 282 Woodbridge E, Detroit, Mich.
Harvey Metal Corp., 74th & Ashland, Chicago, Ill.
Henson-Blair Mfg. Co., 2828 Emerald, Phila., Pa.
Holan Metal Products Co. The, W 40th & Clark av, Cleveland, O.
Hubbard Pressed Steel Co., Niles, O.
Hunt & Dorman Mfg. Co., 1600 E 24th, Cleveland, O.
Hydraulic Pressed Steel Co. (Steel), 3152 E 61st, Cleveland, O.
Joliet Wrought Washer Co., 2001 Collins, Joliet, Ill.
Kales Stamping Co., 1680 W Lafayette blvd, Detroit, Mich.
See adv index at end of book
Keystone Gasket Mfg. Co., 829 N 4th, Phila., Pa. *See adv index at end of book*
Kirk & Blum Mfg., Co. (Steel), 2850 Spring Grove av, Cincinnati, O.
Klopping A. C., Toledo, O.
Konigslow Otto Mfg. Co., 3506 Perkins av, Cleveland, O.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Lansing Stamping Co., Lansing, Mich.
Loverntzen H. K., 60 Grand, New York
McDowell Mfg. Co. Stanton av, Pittsburgh, Pa.
Mahoning Steel Products Co., Warren, O.
Metal Package Corp. of N. Y., 509 5th av, New York *See adv index at end of book*
Michigan Pressed Steel Co., 239 Artillery, Detroit, Mich.
Michigan Stamping Co., Mack & Outer Belt Line, Detroit, Mich.
MILWAUKEE STAMPING CO., W Allis, Milwaukee, Wis.
See adv index at end of book
MOTOR WHEEL CORP. (Gier Plant), 701-735 E Saginaw, Lansing, Mich.
See adv index at end of book
Mullins Body Corp., Salem, O.
National Enameling & Stamping Co., 411 5th av, New York
National Metal Spinning & Stamping Co., 176-180 Grand, New York
National Metal Ware Co., 1200 Flushing av, Brooklyn, N. Y.
New England Pressed Steel Co., Natick, Mass.
New England Tube & Stamping Co. Inc., West Haven, Conn.
Niagara Falls Metal Stamping Works (Galvanized Work, etc), Niagara Falls, N. Y.
Niles Steel Products Co. ("Niles"), Niles, O.
See adv index at end of book
North & Judd Mfg. Co., New Britain, Conn.
Oakes Co., Indianapolis, Ind.
Parish Mfg. Co., Mt. Elliott & Trombley, Detroit, Mich.
Parish & Bingham Co. (Cold Pressed Steel), Madison av & W 106th, Cleveland, O.
Parker Chas. Co., Meriden, Conn.
Peoria Can Co., Peoria, Ill.
Progressive Stamping Co., 1706H E 38th, Cleveland, O.

Quadriga Mfg. Co., 213 W Grand av, Chicago, Ill. *See adv index at end of book*
R. & S. Engraving & Die Works, 617-631 W Jackson blvd, Chicago, Ill. *See adv index at end of book*
Reed & Skeppstrom, 625 Jackson blvd, Chicago, Ill. *See adv index at end of book*
Republic Stamping & Enameling Co., Canton, O.
Rex Steel Stamping Co., Cass St. car line, Joliet, Ill.
Rochester Stamping Co. (Tin & Hollow Ware), Rochester, N. Y.
Sayre Stamping Co., Sayre, Pa.
Sessions J. H. & Son, Bristol, Conn.
Sharon Steel Hoop Co., Finance bldg, Sharon, Pa.
Standard Metal Work Co. (Light), Thompsonville, Conn.
Standard Stamping & Die Co. 153 33d, Brooklyn, N. Y.
Standard Stamping Co., B'way & Chambers, St. Louis, Mo.
Superior Stamping Co., 2d & Elm, Cincinnati, O.
Troy Stamping Works, Troy, N. Y.
Waterbury Mfg. Co., Division Chase Companies, Inc., Waterbury, Conn.
Wheeling Stamping Co., Wheeling, W. Va.
Wickwire Spencer Steel Corp. (Metal), 41 E 42nd, New York *See adv index at end of book*
Worcester Pressed Steel Co., Worcester, Mass. *See adv index at end of book*
YOUNGSTOWN PRESSED STEEL CO. Warren, O. *See adv index at end of book*
Zeigler Mfg. Co., Alexandria, Ind.

14125-6— Stamping & Drawing (Sheet Metal)

See also Stamping, Sheet Metal

Acklin Stamping Co., 1659 Dorr, Toledo, Ohio
Am. Stamping Co., Battle Creek, Mich.
Am. Tube & Stamping Co. (Steel Stamping & Deep Drawing), Bridgeport, Conn.
Beehler Steel Products Co., 1449 N 13th, St. Louis, Mo. *See adv index at end of book*
Benjamin Electric Mfg. Co., 120 S Sangamon, Chicago
BINGHAM STAMPING & TOOL CO., Post & Albion, Toledo, Ohio *See adv index at end of book*
Bossert Corp. The, Cor. Linden & West av, Utica, N. Y.
Boston Pressed Metal Co., 170 Union Worcester, Mass.
Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, O. *See adv index at end of book*
Burr Mfg. Co., Whitney Power blk, Cleveland, O.
Chicago Fuse Mfg. Co., Laflin & 15th, Chicago, Ill. *See adv index at end of book*
Commercial Shearing & Stamping Co., Youngstown, Ohio
Conklin Brass & Copper Co., T. E., 54-60 Lafayette, New York *See adv index at end of book*
Crysteel Works, of Benjamin Electric Mfg. Co., 847 W Jackson blvd, Chicago, Ill.
Dahlstrom Metallic Door Co (Steel Stamping & Drawing), 413 Buffalo, Jamestown, N. Y. *See adv index at end of book*
Defiance Pressed Steel Co., Defiance, Ohio
EDWARDS MFG. CO., Cincinnati, O. *See adv index at end of book*
Federal Pressed Steel Co., Keefe av & W Peirce, Milwaukee, Wis.
Fernald Mfg. Co., North East, Pa.
General Pressed Metal Co., 1524 N Hancock, Phila., Pa.
GEUDER, PAESCHKE & FREY CO. (Aluminum, Brass, Copper, Sheet Steel, Monel Metal, Tin Plate, etc., also Porcelain Enameling), 1314-1790 St. Paul av, Milwaukee, Wis. *See adv index at end of book*
Grand Rapids Brass Co., Grand Rapids, Mich.
HENSON-BLAIR MFG. CO., 2828 Emerald, Philadelphia, Pa.
Holan Metal Products Co., N 40th & Clark av, Cleveland, O.
IRON TRADE PRODUCTS, Farmers Bank bldg, Pittsburgh, Pa.
Joliet Wrought Washer Co., 2001 Collins, Joliet, Ill.
Keystone Gasket Mfg. Co., 829 N 4th, Phila., Pa. *See adv index at end of book*
Lansing Stamping Co., Lansing, Mich.
LARKIN & CO., J. K., 253 Broadway, New York *See adv index at end of book*
McDOWELL MFG. CO. (THE), (Millvale Sta.), Pittsburgh, Pa. *See adv index at end of book*
Metal Crafters, East Stroudsburg, Pa.
Metal Package Corp. of N. Y., 509 5th av, New York *See adv index at end of book*
Milwaukee Stamping Co., W Allis, Mil- *See adv index at end of book*
Model Products Co., 9th & Venango, Phila., Pa.
Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, Ohio *See adv index at end of book*
New England Tube & Stamping Co. Inc., West Haven, Conn.
Niles Steel Products Co., Niles, O. *See adv index at end of book*
North Star Spinning & Mfg. Co., St. Paul, Minn.
Oakes Co., Indianapolis, Ind.
Phoenix Metal Stamping Co., 2827H W Fletcher, Phila., Pa.
Powell Pressed Steel Co., Hubbard, O.
Quadriga Mfg. Co. (Any Metal), 213 W Grand av, Chicago, Ill. *See adv index at end of book*
Reliance Metal Spinning & Stamping Co Inc., 160 John, Brooklyn, N. Y.
Schoedinger F. O., 346 Mt. Vernon av, Columbus, O.
Scovill Mfg. Co. (To Order Only), Waterbury, Conn. *See adv index at end of book*
Standard Stamping & Die Co. 153 33d, Brooklyn, N. Y.
SUPERIOR STAMPING CO., 2d & Elm, Cincinnati, O.
Waterbury Button Corporation, 831 S Main, Waterbury, Conn. *See adv index at end of book*
Western Cartridge Co., East Alton, Ill.
YOUNGSTOWN PRESSED STEEL CO. Warren, O. *See adv index at end of book*
Zeigler Mfg. Co., Alexandria, Ind.

14127—Stamps (Dating, Wheel)

American Stamp Mfg. Co., 85 John, New York
Childs S. D. & Co., 136 S Clark, Chicago, Ill.
Fulton Specialty Co., 128-142H Fulton, Elizabeth, N. J.
Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa. *See adv index at end of book*
Melind Louis Co., 362 W Chicago, Chicago, Ill.
Pittsburgh Stamp Co. Inc., 817H Canal, Pittsburgh, Pa.
R. & S. Engraving & Die Works, 617-631 W Jackson blvd, Chicago, Ill.
Swisher R. D. Mfg. Co., 415H S Clinton, Chicago, Ill.

14128— Stamps (Gravity)

Allis-Chalmers Mfg. Co. (Concentrating Mills), Milwaukee, Wis. *See adv index at end of book*

14129—Stamps (Name, for Concrete)

Anderson W. H. Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Butler A. G. Inc., 158 Chambers, New York
Dickey Grabler Works of the Bankers Savings & Credit System Co., W Madison & 103rd, Cleveland, Ohio
Matthews Jas. H. & Co. (Brass), 3942 Forbes, Pittsburgh, Pa. *See adv index at end of book*
Pittsburgh Stamp Co. Inc., 817H Canal, Pittsburgh, Pa.
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.
Universal Stamp Works, 285 Market, Newark, N. J.

Stamps (Numbering & Dating)

See Numbering Machines; also Dating Ma- S, Los Angeles, Los Angeles, Cal.

14130— Stamps (Rubber)

Adams S. G. Stamp & Stationery Co. (Metal), 412 N 6th, St. Louis, Mo.
Allen, Doane & Co., 29 Cornhill, Boston, Mass.
American Stamp Mfg. Co., 85 John, New York
Arnold's J. H. Sons, 47 Fulton, New York
Ashbery Henry C., 285 Washington, Buffalo, N. Y.
Atlanta Rubber Stamps & Stencil Works, Atlanta, Ga.
Banning W. E. Stamp & Stencil Works, Syracuse, N. Y.
Barnard Stamp Co., St. Louis, Mo.
Barton Mfg. Co., 87 Duane, New York
Buck T. S. Mfg. Co. (Patent Flexible), 87 Duane, New York
Bunting Stamp Co., 713 Liberty av, Pittsburgh, Pa.
Butler A. G. Mfg. Co., 158 Chambers, New York
Century Rubber Stamp Works ("Century"), 551 Pearl, New York
Childs S. D. & Co., 136 S Clark, Chicago, Ill.
Chipron Stamp Co., 224 W 1st, Los Angeles, Cal.
Consolidated Stamp Mfg. Co. (Hand & Machine "Advance." "Quality"), 87 Maiden la, New York
Cooke J. P. Co., Omaha, Neb.
Dimond-Union Stamp Works, 136 Washington, Boston, Mass.
Evans & Convery, 24 N 6th, Phila., Pa.
Everett A. & Son, Auburn, N. Y.
Everson & Reed Co., 88 Chambers, New York
Fresno Rubber Stamp Co., 1923 Fresno, Fresno, Cal.
George Bros. Griffith Co., Lincoln, Neb.
Hanson C. H. Co., 178 N Clark, Chicago, Ill.
Kasper Stamp & Seal Co., 1103 Locust, St. St. Louis, Mo.
Kautz, Fred C. & Co., 2633 W Lake, Chi-
Koehler Henry L. Mfg. Co., Louisville, Ky.
Leonhardt Louis, 94 Warren, New York
Los Angeles Rubber Stamp Co., 15th & S, Los Angeles, Los Angeles, Cal.
Love Jos. Y. & Co., Galveston, Tex.
Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa. *See adv index at end of book*
Mayer Geo. J. Co., 2030 N Alabama, Indianapolis, Ind.
Melind Louis Co., 362 W Chicago av, Chicago, Ill.
Meyer & Wenthe, 30 S Jefferson, Chicago, Ill
Moise-Klinkner Co. (Red Rubber), 369 Market, San Francisco, Cal.
Morse C. H. & Son, 15H S Water, Rochester, N. Y.
Moss Henry & Co., Inc. ("Markwell"), 81 Broad, New York
Moss Samuel H., 36 E 3d, New York
Moss Theo. Co., Inc. ("Themco"), 349 Adams, Brooklyn, N. Y.
Mulhaupt F. Jos., Lafayette, Ind.
Murdock W. Jas. & Co., 116 Opera pl, Cincinnati, O.
Ness Geo. M. Jr., 61 Fulton, New York
Noble & Westerbrook Mfg. Co., Hartford, Conn.
Northwestern Stamp Wks., 110 E 3d, St. Paul, Minn.
Pacific Coast Stamp Wks, 912 3rd av, Seattle, Wash.
Pacific Rubber Stamp Co., 112 E 4th, Los Angeles, Cal.
Pannier Bros. Stamp Co., 207-9 Sandusky, Pittsburgh, Pa.
Patrick & Co., 560H Market, San Francisco, Cal.
Pittsburgh Stamping Co., 817H N Canal, Pittsburgh, Pa.
Pneumatic Stamp Mfg. Co., 7H Henry, Binghamton, N. Y.
Salt Lake Stamp Co., Salt Lake City, Utah
Smith R. H. Mfg. Co., Springfield, Mass.
Spencer S. M. Mfg. Co., 9 Cornhill, Bos- ton, Mass.
Spokane Stamp Works, Spokane, Wash.
Stewart R. A. & Co., 80 Duane, New York
Swisher R. D. Mfg. Co., 415H S Clinton, Chicago, Ill.
Taylor Bros Co., 706 Superior av, N. W., York
Time & Energy Co., 9 S Clinton, Chicago, Ill.
Toledo Stamp & Stencil Co., 450 Huron, Toledo, O.
Troy Rubber Stamp Works, Troy, N. Y.
Tully Rubber Stamp Works, 45 California, San Francisco, Cal.
Union Electric Co. (For Stamping Electric Lamps), 3721 Grant blvd, Pittsburgh, Pa.
Universal Stamp Works, 285 Market, Newark, N. J.
Utermohle G. A. & Co., 133 Cheapside, Baltimore, Md.
Western Rubber Stamp Co., Inc., 333 S Spring, Los Angeles, Cal.
Western Stamp & Stencil Co., Omaha, Nebr.
Wright Greg G. & Son, 119 Opera pl, Cincinnati, O.

14131-2—Stamps (Self-Inking)

Hill Independent Mfg. Co., High & P. R. R., Phila., Pa.
Melind Louis Co., 362 W Chicago av, Chicago, Ill.
New York Stencil Works, 100 Nassau, New York
Smith R. H. Mfg. Co., Springfield, Mass.
Swisher R. D. Mfg. Co. ("Folger" Stamps, Time Dating Machines, Ink Canners, Pad Stamps), 415H S Clinton, Chicago, Ill.
Universal Stamp Works, 285 Market, Newark, N. J.

Stamps, Shoes & Dies

See Shoes & Dies, Stamp Mill

14132— Stamps (Steam)

Allis-Chalmers Mfg Co., Milwaukee, Wis. *See adv index at end of book*

14133— Stamps (Steel)

Adams S. G. Stamp & Stationery Co. (Figures & Alphabet Sets), 412 N 6th, St. Louis, Mo.
Arnold's J. H. Sons, 47 Fulton, New York
Brunner & Lay, 570 W Polk, Chicago, Ill.
BUTLER, A. G. INC., 158 Chambers, New York
CHANDLER CO., THE, Springfield, Mass. *See adv index at end of book*
Chipron Stamp Co., 224 W 1st, Los Angeles, Cal.
Cooke J. P. Co., Omaha, Neb.
Cunningham M. E. Co. (For Letters & Figures for Making Tools, etc), 625 Smithfield, Pittsburgh, Pa.
Detroit Rubber Stamp Co., 69 Shelby, Detroit, Mich.
Dickey-Grabler Wks., W Madison & 103d, Cleveland, O.
Dixon Wm. (For Stamping Jewelry), 119 Fulton, New York
Everett A. & Son, Auburn, N. Y.

(Continued on following page)

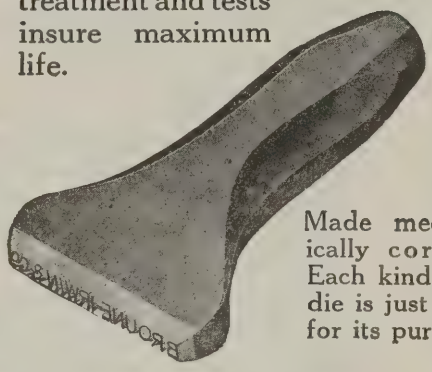
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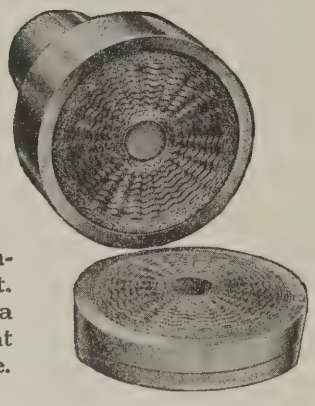
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Stamps (Steel)—Continued

Evers Henry A. Co., 44 Washington, Providence, R. I.
Fresno Rubber Stamp Co., 1923 Fresno, Fresno, Cal.
Gibson A. C. Co., 340 Washington, Buffalo, N. Y.
Gowanda Agricultural Works ("Cutler's"), Gowanda, N. Y.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
HANSON C. H. CO. THE, 178 N Clark, Chicago, Ill.
Haynes & Co., 75 Westminster, Providence, R. I.
Irvine & Jackens, 1027 Market, San Francisco, Cal.
Kasper Stamp & Seal Co., 1103 Locust, St. Louis, Mo.
Kautz Fred C. & Co., 2633 W Lake, Chicago, Ill.
Keene Fred H., 203 W B'way, New York
Kersting J. H., 2 Howard, New York
Knight H. W. & Son (Name Stamp, etc), Seneca, Falls, N. Y.
Los Angeles Rubber Stamp Co., 15th & S Los Angeles, Los Angeles, Cal.
Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa.
See adv index at end of book

STEEL STAMPS
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JAS. H. MATTHEWS & CO.
1371 Forbes Field, Pittsburgh, Pa.
MATTHEWS

Mayer Geo. J. & Co., 36 S. Meridian, Indianapolis, Ind.
Melind Louis Co., 183 W Madison, Chicago, Ill.
Meyer & Wenthe, 30 S Jefferson, Chicago, Ill.
Moise-Klinkner Co., 369 Market, San Francisco, Cal.
Moss Henry & Co., Inc. ("Markwell"), 81 Broad, New York
Moss Samuel H., 36 E 3d, New York
Moss Theo. & Co. ("Themco"), 349 Adams, Brooklyn, N. Y.
Mulhaupt F. Jos. Lafayette, Ind.
Murdock, W. Jas. Co., 116 Opera pl, Cincinnati, O.
Ness Geo. M. Jr., 61 Fulton, New York
Niagara Falls Metal Stamping Works (Letters & Figures), Niagara Falls, N. Y.
Noble & Westerbrook Mfg. Co., Hartford, Conn.
Northwestern Stamp Works, 110 E 3d, St. Paul, Minn.
Ohio Steel Stamp Co., 211 High, Cor E 2d, Cleveland, O.

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OHIO STEEL STAMP CO.
211 High, cor. E. 2nd, Cleveland, O.
Manufacturers of high grade, hand cut
STEEL STAMPS
For Every Purpose
Steel Letter and Figure Sets carried in stock.

Pacific Coast Stamp Wks., 912 3rd av, Seattle, Wash.
Pacific Rubber Stamp Co., 112 E 4th, Los Angeles, Cal.
Pannier Bros. Stamp Co. (Hand Made), 207-9 Sandusky, Pittsburgh, Pa. *See adv index at end of book*
Pittsburgh Stamp Co. Inc., 817H Canal, Pittsburgh, Pa.
Quality Die Co., 1430 E 64th, Chicago, Ill.
R. & S. Engraving & Die Works, 617-631 W Jackson blvd, Chicago, Ill. *See adv index at end of book*
Reed & Skeppstrom, 625 W Jackson blvd, Chicago, Ill. *See adv index at end of book*

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Reese S. W. & Co., 55 Ann, New York
Sackman Mfg. Co., Akron, O.
Salt Lake Stamp Co., Salt Lake City, Utah
SCHODER & LOMBARD STAMP & DIE CO., INC. (The kind that give the maximum service under hard and continuous usage), 202 Centre, New York *See adv index at end of book*
Schweizer C. K., 520 N 3d, St. Louis, Mo.
Schwerdtle Stamp Co., 43 Cannon, Bridgeport, Conn.
Smith R. H. Mfg. Co., Springfield, Mass.
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass
Spokane Stamp Works, Spokane, Wash.
Stewart R. A. & Co., 80 Duane, New York
Time & Energy Co., 9 S Clinton, Chicago, Ill.
Toledo Stamp & Stencil Co., 450 Huron, Toledo, O.
Tully Rubber Stamp Works, 45 California, San Francisco, Cal.
Universal Stamp Works, 285 Market, Newark, N. J.
Utermohle G. A. & Co., 133 Cheapside, Baltimore, Md.
Valley Machine Tool Works, 611 W Fremont, Stockton, Cal.
Western Rubber Stamp Co., Inc., 333 S Spring, Los Angeles, Cal.
Western Stamp & Stencil Co., Omaha, Nebr.
Williams Chas. F. Stamp Co., 85 Chadron, Boston, Mass.
Wright Greg. G. & Son, 119 Opera pl, Cincinnati, O.

14134— Stamps (Steel Log)

Adams S. G. Stamp & Seal Co., 412 N 6th, St. Louis, Mo.
Butler A. G., Inc., 158 Chambers, New York
Dickey-Grabler Wks. of the Bankers Savings & Credit System Co., W Madison & 103rd, Cleveland, Ohio
Gibson A. C. Co., 340 Washington, Buffalo, N. Y.
Hanson C. H. Co., 178 N Clark, Chicago, Ill.
Los Angeles Rubber Stamp Co., 15th & S Los Angeles, Los Angeles, Cal.
Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa.
See adv index at end of book
Mayer Geo. J. & Co., 36 S Meridian, Indianapolis, Ind.
Northwestern Stamp Works, 110 E 3d, St. Paul, Minn.
Pacific Coast Stamp Wks., 912 3rd av, Seattle, Wash.
Pacific Rubber Stamp Co., 112 E 4th, Los Angeles, Cal.
Patrick & Co., 560H Market, San Francisco, Cal.
Pittsburgh Stamp Co. Inc., 817H Canal, Pittsburgh, Pa.
R. & S. Engraving & Die Works, 617-631 W Jackson blvd, Chicago, Ill. *See adv index at end of book*
Ransome Concrete Machinery Co., Dunellen, N. J.
Reed & Skeppstrom, 625 W Jackson blvd, Chicago, Ill. *See adv index at end of book*
Sackmann F. A., 310 Prospect, S E, Cleveland, O.
Schwerdtle Stamp Co., 43 Cannon, Bridgeport, Conn.
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.
Universal Stamp Works, 285 Market, Newark, N. J.

14135— Stamps (Time)

Automatic Electrical Machine Co., Inc. ("Insto," also stub cutter & dater), 1241 High, Oakland, Cal.
AUTOMATIC TIME STAMP CO. ("Automatic"), 164 Congress, Boston, Mass.
Commercial Utilities Mfg. Co., 153 Waverly av, New York
Ellis Time Stamp Co., 859 N Franklin, Chicago, Ill.
Follett Time Recording Co., 98 Park pl, New York
International Time Recording Co., 50 Broad, New York
Joslin A. D. Mfg. Co ("Eclipse," "Cosmo,") 223 W Erie, Chicago, Ill.
Kastens Henry (Time Dating), 418 W 37th, New York
Magneta Co. (Elec.), 12 John, New York
Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa. *See adv index at end of book*
Melind Louis Co., 362 W Chicago, Chicago, Ill.
Moise-Klinkner Co., 369 Market, San Francisco, Cal.
Moss Theo. Co., Inc. ("Themco"), 349 Adams, Brooklyn, N. Y.
Smith R. H. Mfg. Co. (Air Cushion), Springfield, Mass.
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.
Stromberg Electric Co., 223 W Erie, Chicago
Thompson Time Stamp Co., 106 Fulton, New York
Time Register Repair & Supply Co. (Rebuilt), Canastota, N. Y.

Stamps & Dies (Sheet Metal)

See Dies, Stamping

14136—Stamps & Dies (Steel)

Adriance Machine Works, 80 Richards, Brooklyn, N. Y.

Amer. Die & Tool Co., Reading, Pa.
Atlas Steel Corp., Dunkirk, N. Y.
Baker H. J. & Co., 101 N Jefferson, Chicago, Ill.
Bethlehem Steel Co., Bethlehem, Pa.
Butler A. G., Inc., 158 Chambers, New York
Chipron Stamp Co., 224 W 1st, Los Angeles, Cal.
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Gibson A. C. Co., 340 Washington, Buffalo, N. Y.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
HANSON O. H. CO., 178 N Clark, Chicago, Ill.
Henson-Blair Mfg. Co., 2828 Emerald, Philadelphia, Pa.
Hoggson & Pettit Mfg. Co., New Haven, Conn.
Kautz Fred C & Co., 2633 W Lake, Chicago, Ill.
Los Angeles Rubber Stamp Co., 15th & S Los Angeles, Los Angeles, Cal.
MATTHEWS JAS. H. & CO., 3942 Forbes, Pittsburgh, Pa.
See adv index at end of book
Mayer Geo. J. Co., 2030 N Alabama, Indianapolis, Ind.
Pacific Coast Stamp Wks., 912 3rd av, Seattle, Wash.
Pacific Rubber Stamp Co., 112 E 4th, Los Angeles, Cal.
Patrick & Co., 560H Market, San Francisco, Cal.
Pittsburgh Stamp Co. Inc., 817H Canal, Pittsburgh, Pa.
R. & S. Engraving & Die Works, 617-631 W Jackson blvd, Chicago, Ill.
See adv index at end of book
REED & SKEPPSTROM, 625 W Jackson blvd, Chicago, Ill.
See adv index at end of book
Richard Mfg. Co., Bloomsburg, Pa.
SCHODER & LOMBARD STAMP & DIE CO., INC. (Ornamental and lettering dies more artistic and durable than the average), 202 Centre, New York
See adv index at end of book
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.
Western Rubber Stamp Co., Inc., 333 S Spring, Los Angeles, Cal.

14137-8—Stanchions (Cattle)

Acme Harvesting Machine Co. ("Acme"), Peoria, Ill.
Automatic Carrier Co. ("A. C. Co."), Juneau, Wis.
Boyle Jas. ("Taylor" Steel), Salem, O.
Bryan Mfg. Co. ("Champion"), P. O. Box D, Bryan, O.
Cowmatic Corp. ("Cowmatic" Steel), Lynchburg, Va.
Crumb W. B. ("Warriner" Chain Hanging), Forestville, Conn.
Drew Carrier Co., Waterloo, Wis.
Gehl Bros. Mfg. Co. ("Badger" Steel), West Bend, Wis.
Harris Mfg. Co., Salem, O.
Hunt, Helm, Ferris & Co. ("Star" Swing), Harvard, Ill.
James Mfg. Co., Fort Atkinson, Wis.
Kalamazoo Tank & Silo Co., Kalamazoo, Mich.
Libby C. A. Co., Oshkosh, Wis.
Louden Machinery Co. ("Cow Comfort"), Fairfield, Ia.
Milwaukee Hay Tool Co. ("Milwaukee"), Layton Park, Milwaukee, Wis.
Mitchell Mfg. Co., Milwaukee, Wis.
Mullins Mfg. Co., Brillion, Wis.
Olson Mfg. Co. ("Common Sense"), Albert Lea, Minn.
Porter J. E. Co., Ottawa, Ill.
Quick & Thomas Co. ("Q & T"), Auburn, N. Y.
Rassmann F. Mfg. Co. ("Simplex"), Beaver Dam, Wis.
Ricker Mfg. Co. ("Rochester" Wood Lined Steel), Rochester, N. Y.
Scoville E. U. Co., Manlius, N. Y.
Strickler Hay Tool Co., Janesville, Wis.
Swift Stanley C. Mfg. Co. ("Perfection"), Cuba, N. Y.
Wasson Stanchion Co., Cuba, N. Y.
West Bend Barn Equipment Co., West Bend, Wis.
Wilder-Strong Implement Co., Monroe, Mich.
Wisconsin Foundry & Machine Co., Madison, Wis.
Wisconsin Stable Equipment Co., Oconomowoc, Wis.

14139— Stand Pipes

American Bridge Co., 30 Church, New
Augustine T. C., St. Joseph, Mo.
Baltimore Cooperage Co. (Wood), Ostend & Leadenhall, Baltimore, Md.
Blaw-Knox Co., Freeport rd, Hoboken, Pa.
Casey-Hedges Co., Chattanooga, Tenn.
Chattanooga Boiler & Tank Co., 1011 E Main, Chattanooga, Tenn.
CHICAGO BRIDGE & IRON WORKS, (Steel), 2105 Old Colony bldg, Chicago
See adv index at end of book
Coatesville Boiler Works, 111 S 15th, Philadelphia, Pa.
Cole R. D. Mfg. Co., Newnan, Ga.
Columbiana Boiler Co., Columbiana, O.
CONNERY & CO. INC., 4000 N 2nd, Phila., Pa. *See adv index at end of book*
Conran Standpipe Co., 7 Jacobs, New York
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
DOVER BOILER WORKS, Sales Office, 40 Church, New York
See adv index at end of book
Drake-Williams Mount Co., Omaha, Neb.
Fairbanks, Morse & Co. (Railroad, "Sheffield"), 900 S Wabash av, Chicago, Ill.
FREEMAN MFG. CO., Racine, Wis.
See adv index at end of book
Graver Corp., 4020 Todd av, E Chicago, Ind.
See adv index at end of book
Hammond Iron Works, Warren, Pa.
See adv index at end of book
Hanke Iron & Wire Works (With Ice-Proof Steps & Balconies), 800 N Albany av, Chicago, Ill.
Hartley Boiler Works, Montgomery, Ala.
Hodge Boiler Works, 99 Sumner, East Boston, Mass.
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Johnson & Thompson, Birmingham, Ala.
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
Leslie Elliott & Co., Paterson, N. J.
Lombard Iron Works & Supply Co., Augusta, Ga.
Lookout Boiler Mfg. Co., Chattanooga, Tenn.
McAleenan Bros. Co., 25th & A. V. R. R., Pittsburgh, Pa.
McNamara Bros. Co., Westport, Baltimore, Md.
McNeil Boiler Co., 96 Crozier, Akron, O.
McNeil James & Bro. Co., Pittsburgh, Pa.
Marinette Boiler Wks., Marinette, Wis.
Meehan Boiler & Construction Co., Lowellville, O.
Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.
Munroe R. & Sons Mfg. Corporation, 23d & Smallman, Pittsburgh, Pa.
Muskegon Boiler Works, Muskegon, Mich.
Nashville Bridge Co., Nashville, Tenn.
New England Iron Works Co., Summer, Boston, Mass.
New Haven Boiler Works, Inc., 37 Mill, New Haven, Conn.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
Petroleum Iron Works Co. of Ohio, Sharon, Pa.
See adv index at end of book
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Pittsburgh Valve Fdry & Construction Co. ("Gulland"), 26th & A. V. R. R., Pittsburgh, Pa.
Portland Co., Portland, Me.
Quaker City Iron Works, Tioga & Richmond, Phila., Pa.
Reeves Bros. Co., The, Alliance, O.
See adv index at end of book
Riter-Conley Co., Oliver bldg, Pittsburg, Pa.
Rock Island Bridge & Iron Works, Rock Island, Ill.
Rodgers Boiler & Burner Co., Muskegon, Mich.
Schofield's J. S. Sons Co., Macon, Ga.
Simplex Valve & Meter Co., 110 N Broad, Phila., Pa.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Sotter Bros., Pottstown, Pa.
Tippett & Wood, Phillipsburg, N. J.
Tofte Boiler & Sheet Iron Works, Houston, Texas
Tomahawk Steel & Iron Works, Tomahawk, Wis.
Topeka Steam Boiler Works, Topeka, Kan.
Treadwell Constr. Co., Midland, Pa.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
Twin City Boiler Works, Bristol, Va.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Virginia Bridge & Iron Co., Roanoke, Va.
Walsh & Weidner Boiler Co. (Steel), Chattanooga, Tenn.
Walsh's Holyoke Steam Boiler Works, Holyoke, Mass.
Warren City Tank & Boiler Co. (The), Warren, Ohio
See adv index at end of book
Western Gas Construction Co., 1431 Buchanan, Fort Wayne, Ind.
Wickes Boiler Co., Saginaw, Mich.
See adv index at end of book
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Williams J. H. & Co. (Vise "Vulcan," Drop Forged), 400 Vulcan, Buffalo, N. Y.
Wood R. D. & Co., 400 Chestnut, Phila., Pa.

14140—Stand Pipes (Locomotive)

Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.

14140a—Stand Pipes (Reinforced Concrete)

Heine Chimney Company (The), 123 W Madison, Chicago, Ill.

14141—Stands (Adding Machine & Typewriter)

Adjustable Table Co. (Adjustable), Grand Rapids, Mich.
Fowler-Manson-Sherman Cycle Mfg. Co. ("Ideal" Tubular), 1447 Austin av, Chicago, Ill.
Illinois School Furniture Co., Rockford, Ill.
Standard Cabinet Mfg. Co. (Swinging, also Tables), Peru, Ind.
Taylor, Stiles & Co., Riegelsville, N. J.
Toledo Metal Furniture Co. ("Uhl" Steel), Toledo, O.
Weis Mfg. Co., The (Swinging Typewriter), Monroe, Mich.
See adv index at end of book
Welty Wm. A. (Revolving), Waterloo, Ia.

14142—Stands (Annealing Box)

Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Columbiana Boiler Co., Columbiana, O.
Pittsburgh Annealing Box Co., 329 Beaver, Pittsburgh, Pa.

14143—Stands (Armature Winding)

Columbia Machine Works & Malleable Iron Co. ("Columbia" & Tension), Atlantic av & Chestnut, Brooklyn, N. Y.
Ridlon Frank Co., 251A, Boston, Mass.

14144-5—Stands (Automatic Ground Throw)

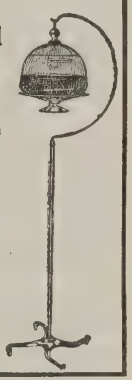
American Frog & Switch Co., Hamilton, O.
See adv index at end of book
Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*
Link-Belt Company, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Morden Frog & Crossing Works (For Railroads), 208 S La Salle, Chicago, Ill.
Nelson Iron Works, 45 Spokane av, Seattle, Wash.
Wharton Wm. Jr. & Co., Inc., Easton, Pa.

14146— Stands (Bicycle)

Myers F. E. & Bro. Co. ("Myers"), 950 Orange, Ashland, O.
See adv index at end of book
New York Nickel Plating & Mfg. Co. ("Esmond"), 327 E 63d, New York
Plocher Andrew Sons Co., Dayton, O.
Reed Evan L. Mfg. Co., Tipton, Danville, Ill.

14147— *Stands (Bird Cage)

Hendryx Andrew Co., 86 Audubon, New Haven, Conn.
See adv index at end of book

"HENDRYX"
REG. U.S. PAT. OFF.
Brass and Enameled
CAGE STANDS
Many attractive designs in a variety of finishes, in keeping with the recognized excellence of
"HENDRYX"
REG. U.S. PAT. OFF.
BIRD CAGES
The Andrew B. Hendryx Co.
New Haven, Conn.


14148-9— Stands (Calendar)

Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Kimpton Ed. Co., 18 Cliff, New York
Wrightsville Hardware Co., Wrightsville, Pa.

14150— Stands (Display)

Acme Woodworking Co., 514 W 46th, New York
Ahedo E., 1157 Folsom, San Francisco, Cal.
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Eclipse Mfg. Co., Wellston, O.
Gemco Mfg Co. (Tire), Milwaukee, Wis.
Metal Barrel Co. (Vegetable), Galesburg, Ill.
Metallograph Corp., 52 Vanderbilt, New York
NELKE L. D. SIGNS, NEW YORK, INC., 1607 Everett bldg, New York
See adv index at end of book
Newman Mfg. Co. (Metal), 420 Elm, Cincinnati, O.
Norwich Wire Works, Norwich, N. Y.

(Continued on following page)

Stands (Display)—Continued

Pearce Co., Frederick, 70 W 40th, New York
Stiles H. A. & Co. (Candy, Wooden), 166-174 Portland, Boston, Mass.
See adv index at end of book
Trimble F. H. Co., 216 W 3d, Los Angeles, Cal.
Universal Fruit Stand Co. (Fruit), Johnson City, Tenn.

14150a— Stands (Drill)

Petersen A. H. Mfg. Co. (Portable, Press), 1614H Fratney, Milwaukee, Wis.
Seehausen Wehrs & Co., 179 N Franklin, Chicago, Ill.
United States Elec. Tool Co., 6th av & Mt. Hope, Cincinnati, O.
WHITMAN & BARNES MFG. CO., Akron, O. *See adv index at end of book*

14151— *Stands (Indicator)

CALDWELL & SON CO., H. W., 1700 S Western av, Chicago
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

14152—*Stands (Micrometer)

Starrett L. S. Co., Athol, Mass.

14153—Stands (Mule Pulley)

Bond Foundry & Machine Co., Penn St., Manheim, Pa.
Dodge Mfg. Corp., Mishawaka, Ind.
Golden's Foundry & Machine Co., Columbus, O.
Hill Clutch Machine & Foundry Co., W 65th st, Cleveland, O.
Hunter Jas. Machine Co., North Adams, Mass.
Jones W. A. Foundry & Machine Co., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book
Medart Co., 3500 De Kalb, St. Louis, Mo.
See adv index at end of book
Poole Engineering & Machine Co., Woodberry sta, Baltimore, Md.
Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.
Wolf Co., Chambersburg, Pa.
Wood's T. B. Sons Co., Chambersburg, Pa.

14154— Stands (Music)

Cushman H. T. Mfg. Co., North Bennington, Vt.
Metal Stamping Corp. (Also Horn Stands), Streator, Ill.

14155— Stands (Pipe Vise)

Martin H. P. & Sons, Owensboro, Ky.
Strand Heater & Mfg. Co. ("Smiths" Felding), 7804 Wade Pk, Cleveland, O.
Williams J. H. & Co. ("Vulcan," Drop-Forged), 31 Richards, Brooklyn, N. Y.

14156— Stands (Price Card)

Timberlake J. B. & Sons (Wire), Jackson, Mich.

14156a—Stands (Pulley, Stationary & Adjustable)

JONES W. A. FOUNDRY & MACHINE CO., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book

14156b— *Stamps (Pump)

Myers F. E. & Bro. Co. ("Myers," "Ashland," "Defiance" & "Faultless" Cog Gear), 950 Orange, Ashland, O.
See adv index at end of book

14157-8— Stands (Sad Iron)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Fanner Mfg. Co. ("Arctic"), Cleveland, Ohio
Gray Iron Foundry Co., Reading, Pa.
Grey Iron Casting Co., Mt. Joy, Pa.
Hamblin & Russell Mfg. Co. (Wire), Worcester, Mass.
Parker Wire Goods Co. (Wire), Worcester, Mass.
Reading Saddle & Mfg. Co. ("Reading"), Reading, Pa.
Sager Lock Co., No. Chicago, Ill.
Stover Mfg. & Engine Co., Freeport, Ill.
U. S. Lock & Hardware Co., Columbia, Pa.
Woods Sherwood Co. (Wire), 28 Union, Worcester, Mass.
Wrightville Hardware Co., Wrightville, Pa.

14159— Stands (Toilet)

Bernstein Mfg. Co., 3d & Allegheny, Phila., Pa.
National Enameling & Stamping Co., 411 5th av, New York

14159a—Stands (Tool, Steel)

All-Steel Equipment Co., Aurora, Ill.
See adv index at end of book

Stands (Typewriter)

See Stands, Adding Machine & Typewriter

14160— Stands (Umbrella)

Art Metal Construction Co. (Steel), Jamestown, N. Y.
Baker J. R. & Sons Co., Kendallville, Ind.
Central Stamping Co. (Cylinder), 206 B'way, New York
Clark W. J. Co., Salem, O.
Cordley & Hayes ("Fibrotta" Fibre), 32 Leonard, New York
See adv index at end of book
Detroit Rack Co., 2536 14th, Detroit, Mich.
Farber S. W. (Brass & Copper), 147 S 5th Brooklyn, N. Y.
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Ideal Desk Co., Auburn, Me.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
National Enameling & Stamping Co., 411 5th av, New York
Ray Geo. A. Mfg. Co. (Old Brass Finish, etc), 1495 Niagara, Buffalo, N. Y.
Whitney Duplicating Check Co. (Automatic Checking), 250 W 54th, New York

14161—Stands (Water Cooler)

Andrews A. H. Co. (Metal), 107 S Wabash av, Chicago, Ill.
Central Stamping Co. ("Puritan"), 206 B'way, New York
Cordley & Hayes ("Fibrotta"), 32 Leonard, New York
Kittle Mfg. Co., 643 Santa Fe av, Los Angeles, Cal.
National Enameling & Stamping Co., 411 5th av, New York

14162—Stands (Wrench Display)

Williams J. H. & Co. (Drop-Forged Wrenches), 400 Vulcan, Buffalo, N. Y.

14163— Staple Mfrs.

(Names with * also manufacture Monel Metal)

Acme Staple Co., Camden, N. J.
AMERICAN STEEL & WIRE CO. (Fence, Poultry Netting, etc), 208 S La Salle, Chicago, Ill.
See adv index at end of book
Atlas Tack Co., Fairhaven, Mass.
*Beckley Perforating Co., Garwood, N. J.
Brewer Bros. Co. (Bar, Bolt, Bow, Latch Mirror or Plate & Round), 2nd & Somerset, Cleveland, O.
Campbell Wire Specialty Works, South Bend, Ind.
Cleveland Tack Works, 1205 E 55th, Cleveland, O.
*Cleveland Wire Cloth Co., Clveland, O.
Cobb & Drew, Plymouth, Mass.
Colorado Fuel & Iron Co. (Wire), Denver, Colo.
Columbia Steel Corp., 351 California, San Francisco, Cal.
Crawfordsville Wire & Nail Co. (Fence), Crawfordsville, Ind.
Duplex Mfg. Co. ("Duplex" Stucco Fasteners), 711 Rialto bldg, San Francisco, Cal.
East Side Mfg. Co. ("Adjax" Corner), 1367 E 12th, Oakland, Cal.
Economy Products Corp. ("Economy" Stucco Nails), 629 San Pedro, Los Angeles, Cal.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Gulf States Steel Co. (Wire Fence, Poultry Netting), Birmingham, Ala.
Hager C. & Sons Hinge Mfg. Co. (Wrought Steel Japanned Open & Closed Bar & Wagon Bow), St. Louis, Mo.
Hahn Harry W. Mfg. Co. ("K. D. H." stucco nail), 629 S San Pedro, Los Angeles, Cal.
*Hendrick Mfg. Co., Carbondale, Pa.
Holland Mfg. Co. (Steel Spring, Barbed Blind, Hoop & Light Clamp, Poultry Netting, Butter Tub or Clamp, Basket Handle Speaking Tube & Pope, etc), Central av & Bank, Baltimore, Md.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
Independent Tack Co., Oil City, Pa.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Interstate Iron & Steel Co., 104 S Michigan av, Chicago, Ill.
*Jelliff Mfg. Corp., C. O., Southport, Conn.
Johnson O. W., 901 E 14th ("Simplex"), Oakland, Cal.
Kelly Nail & Iron Co. (Wire), Ironton, O.
Kitselman Bros. (Wire), Muncie, Ind.
Kokomo Steel & Wire Co. (Fence, etc), Kokomo, Ind.
Landers, Frary & Clark (Wrought), New Britain, Conn.
Larkin J. K. & Co. (Blend, Broom, Electricians, Galvanized Iron & Wire), 253 Broadway, New York
See adv index at end of book
Lawrence Bros. (Hasp), Sterling, Ill.
Leibfried C. H. (Iron), Guernsey, B'klyn, N. Y.
McKinney Mfg. Co. (Wrought), Liverpool & Metropolitan, Pittsburgh, Pa.
*Magosy & Buscher, 232 Canal, New York
Milwaukee Tack Co. (Hoop, Clamp, Poul-Cloth, etc), 27th & Wahl av, Milwaukee, Wis.
*Munning & Co., A. P., Matawan, N. J.
National Mfg. Co. (Wrought Steel Hasp, etc), Sterling, Ill.
National Screw & Mfg. Co., 2440 E 75th, Cleveland, O.
See adv index at end of book
Nichols Wire & Sheet Co., 21st & Baltimore, Kansas City, Mo.
Norton Iron Works (Polished & Galvanized Wire), Ashland, Ky.
Oliver Iron & Steel Co. (Hame), S 10th & Muriel, Pittsburgh, Pa.
Parker Wire Goods Co. (Wire), Worcester, Mass.
Pig Tail Staple Co. ("Pigtail" Metal Furring Staples), 519 California, San Francisco, Cal.
Pittsburgh Steel Co. (Wire Fence & Poultry Netting), 5th av & Grant, Pittsburgh, Pa.
Planett Mfg. Co. ("Crowe's" Furring Staples), 1111 E 12th, Oakland, Cal.
Pratt Wm. E. Mfg. Co. (Barbed, Blind, Netting, Red Spring), 35 W Lake, Chicago, Ill.
Sargent & Co., New Haven, Conn.
Shelton Tack Co. (Hoop, Broom & Spring), Shelton, Conn.
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co., John P., New Haven, Conn.
Standard Rivet Co. (For Box Loops, Harness, Fly Nets, Shoes, etc), 41 Lincoln, Boston, Mass.
Stanley George W. Co. (Barbed, Blind & Hoops), Belleville, Ill.
Stanley Works (Wrought), New Britain, Conn.
*Steel Products Mfg. Co., Cicero, Ill.
Stimpson, Edwin B. Co.(Wire & Stamped), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Superior Tack & Nail Co. (Coppered Basket Handle Hoop, Galvanized Poultry Netting, Hook, Broom & Spring, etc), Derby, Conn.
*Taylor Disc Co., Mansfield, O.
Titchener-Diehl Co., 1844 W Austin av, Chicago
Titchener E. H. & Co. (Blind Bed Spring, Basket, Hoop, Barrel, etc.), 136 Walnut, Binghamton, N. Y.
Tower Mfg. Co. (Wire Clamp Electricians, Broom, Hoop, Harness, etc), Elm & Commerce, Cincinnati, O.
Townsend G. G. (Barrel & Keg Hoop), Winchendon, Mass.
*Tyler Co., W. S., Cleveland, O.
U. S. Hame Co. (Harness or Hame), 135 Tonawanda, Buffalo, N. Y.
Washburn Co. (Wire Goods Div.) (Wrought Steel, Steel Wire, Tinned & Galvanized), 28 Union, Worcester, Mass.
Whitman Metal Goods Co., Whitman, Mass.
Wickwire Bros. (Wire), Cortland, N. Y.
Wickwire Spencer Steel Corp. (Wire), 41 E 42nd, New York
See adv index at end of book
Wilcox, Crittenden & Co. Inc. (Wrought Iron), 444 S Main, Middletown, Conn.
See adv index at end of book
Youngstown Sheet & Tube Co. ("Youngstown" Wire, Bright Fence, etc), Youngstown, O.

14164— Staples (Bar)

Wagner Mfg. Co. ("Wagner"), Cedar Falls, Ia.

14165—Staples (Bottle Wrapper)

Oshkosh Bottle Wrapper Co., Oshkosh, Wis.
Phila. Excelsior Co., 716 N 3d, Phila., Pa.
N. Y.

14166— Staples (Evener)

American Logging Tool Co., Evart, Mich.

14167— Staples (Fence)

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Belfont Iron Works Co. (Galvanized & Polished), Ironton, Ohio
Bethlehem Steel Co., Bethlehem, Pa.
Cobb & Drew, Plymouth, Mass.
Columbia Steel Corp., 351 California, San Francisco, Cal.
Crawfordsville Wire & Nail Co., Crawfordsville, Ind.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Gulf States Steel Co., Birmingham, Ala.
Indiana Steel & Wire Co. (& Poultry Netting, Polished & Galvanized), Muncie, Ind.
Interstate Iron & Steel Co., 104H S Michigan av, Chicago, Ill.
Jones & Laughlin Steel Co. (Wire Fence), Ross, Pittsburgh, Pa.
Keystone Steel & Wire Co. ("Keystone"), Peoria, Ill.
Knapp Fence Co., 152 E 134th, Cleveland, O.
Kokomo Steel & Wire Co., Kokomo, Ind.
LARKIN J. K. & CO., 253 Broadway, New York. *See adv index at end of book*
Morgan Steel & Wire Co., Kokomo, Ind.
Norton Iron Works, Ashland, Ky.
Parker Wire Goods Co., Worcester, Mass.
Pig Tail Staple Co., 519 California, San Francisco, Cal.
Pittsburgh Steel Co., 5th av & Grant, Pittsburgh, Pa.

Stanley Works, New Britain, Conn.
See adv index at end of book
Titchener E. H. & Co., Binghamton, N. Y.
Wickwire Bros., Cortland, N. Y.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Youngstown Sheet & Tube Co. ("Youngstown"), Youngstown, O.

14168— Staples (Insulated)

Blake Signal & Mfg. Co. ("Blake"), 221 High, Boston, Mass.
Commercial Electrical Supply Co., B'way & Spruce, St. Louis, Mo.
Cross W W. & Co., Brockton, Mass.
Delaware Hard Fibre Co. (Electricians', etc., Fibre), Wilmington, Del.
See adv index at end of book
Duplex Mfg. Co. ("Duplex" Stucco Fasteners), 711 Rialto bldg, San Francisco, Cal.
Elastic Tip Co. (Rubber Headed Nails), 370 Atlantic av, Boston, Mass.
Eureka Supply Co., Sewell, N. J.
Goldmark Jas. Co. ("Cross"), 81 Warren, New York
Stanley Geo. W. Co., Belleville, Ill.

14168a—*Staples (Metal Furring)

Johnson O. W., 901 E 14th ("Simplex"), Oakland, Cal.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Pig Tail Staple Co., 519 California, San Francisco, Cal.
See adv index at end of book

14169— Staples (Nutted)

Clark Bros. Bolt Co., Milldale, Conn.
See adv index at end of book
Harvey Spring & Forging Co., Racine, Wis.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lamson & Session Co., 2188 Scranton rd, S. Y. Y., Cleveland, O.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.

14170— Staples (Pail & Bucket Handle)

Interstate Iron & Steel Co., 104H S Michigan av, Chicago, Ill.
Merritt F. M. ("Merritt" Needle Pointed), Penn Yan, N. Y.
Titchener E. H. & Co., Binghamton, N. Y.

14171—Staples (Poultry Netting)

American Steel & Wire Co., 208 So. La Salle, Chicago, Ill.
See adv index at end of book
Belfont Iron Works Co., Ironton, O.
Bethlehem Steel Co., Bethlehem, Pa.
Columbia Steel Corp., 351 California, San Francisco, Cal.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Hahn Harry W. Mfg. Co. ("K. D. H." stucco nail), 629 S San Pedro, Los Angeles, Cal.
Indiana Steel & Wire Co., Muncie, Ind.
Interstate Iron & Steel Co., 104H S Michigan av, Chicago, Ill.
LARKIN J. K. & CO., 253 Broadway, New York. *See adv index at end of book*
Stanley Geo. W. Co., Belleville, Ill.
Titchener E. H. & Co., Binghamton, N. Y.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Youngstown Sheet & Tube Co. ("Youngstown"), Youngstown, O.

14172— Staples (Stop)

National Sheet Metal Co., Peru, Ill.
Pig Tail Staple Co., 519 California, San Francisco, Cal.

14173— Staples (Wagon Box)

Burgess & Norton Mfg. Co., Geneva, Ill.
Harvey Spring & Forging Co. (Rivet & Clinch), Racine, Wis.
Interstate Iron & Steel Co., 104H S Michigan av, Chicago, Ill.
St. Louis Hardware Mfg. Co., 1509 W 18th, St. Louis, Mo.
Titchener E. H. & Co., Binghamton, N. Y.
Youngstown Sheet & Tube Co. ("Youngstown"), Youngstown, O.

14174— Starch Mfrs.

American Maize-Products Co. (Pearl), 203 E 12th, New York
Arabel Mfg. Co. (Blenders), 110 E 42nd, New York
Arnold, Hoffman & Co. (Commercial), 55 Canal, Providence, R. I.
Aroostock Valley Starch Co., Fort Fairfield, Me.
Atlantic Starch Works, Westport, Conn.
Barker H. & Co., Chamber of Commerce, Boston, Mass.
Barnett Wm. & Sons, 720 S Broad, Phila., Pa.
Bloede Victor G. Co., Caton av, Baltimore, Md.
Boley C. H. Co. ("Aamcolose"), 3722 N Randolph, Phila., Pa.
Cambridge Starch Co., Cambridge, Minn.
Campbell John & Co., 75 Hudson, New York
Celluloid Starch Co., 45 W 18th, New York
Corn Products Refining Co. ("Globe," "C. P. Special" "Erckenbrechers," "Triangle," "Modified Eureka," "Complete," "Flexible" & "Argo" Laundry), 17 Battery pl, New York
Defiance Starch Co. (Cold Water), Omaha, Neb.
Douglas Co., Cedar Rapids, Ia.
Eddy & Eddy (Corn), Main & Market, St. Louis, Mo.
Ford J. B. Co., Wyandotte, Mich.
Herrick & Voight, 99 John, New York
Hubinger J. C. Bros. Co. (Elastic), 840 Chapel, New Haven, Conn.
Huron Milling Co., Harbor Beach, Mich.
Keever Starch Co., Chamber of Commerce bldg, Columbus, O.
Kohnstamm H. & Co. (Rice), 89 Park pl, New York
Lewis John D. (Potato), 63 Charles, Providence, R. I.
Leyland Thos. & Co. (Imported Soluble Starch, etc), Readville, Boston, Mass.
Ludwig L. O., Cary, Me.
Martin, Jos. & Sons, Van Buren, Me.
Minnesota Potato Starch Co., Anoka, Minn.
Monroe County Chemical Co. (Corn), Fairport, N. Y.
National Gum & Mica Co., 12 West End av, New York
National Starch Co., 17 Battery pl, New York
Noyes Chas. E., Limestone, Me.
Piper & Clark, Sherman Mills, Me.
Royal Chemical Co., Phoenix, R. I.
St. Agatha Starch Co., St. Agatha, Me.
Seccomb-Kehew-Bradley Co. (Potato), 24 Purchase, Boston, Mass.
Speare's Alden Sons Co. (Wheat & Corn), Cambridge, Mass.
Staley A. E. Mfg. Co. (Corn), Decatur, Ill.
Stein, Hall Mfg. Co. (Corn, Wheat & Potato), 2841 S Ashland, Chicago, Ill.
Tanner Chas. S. Co., 250 S Water, Providence, R. I.
Union Starch & Refining Co., Edinburg, Ind.
Watson John, Houlton, Me.
Waupaca Starch Co., Waupaca, Wis.

14174a— Starch (Arrowroot)

American Trading Co., 25 Broad, New York
Arabol Mfg. Co., 110 E 42nd, New York
Morningstar Charles & Co., Inc. (Selling Agent), 650 W 34th, New York

14174b— Starch (Cassava)

Arabol Mfg. Co., 110 E 42nd, New York
Morningstar Charles & Co., Inc. (Imp.), 349 B'way, New York

14174c— Starch (Corn)

American Trading Co., 25 Broad, New York
Arabol Mfg. Co., 110 E 42nd, New York
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Morningstar Charles & Co., Inc. (Selling Agent), 650 W 34th, New York
National Gum & Mica Co., 12 West End av, New York
Seydel Mfg. Co., 88 Forrest, Jersey City, N. J.
Stein Hall & Co., Inc., 61 B'way, New York

14174d— Starch (Potato)

American Trading Co., 25 Broad, New York
Arabol Mfg. Co., 110 E 42nd, New York
Behrend F., Inc., 170 Front, New York
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Frost F. W. & Co., Inc. (Imp.), 56 Beaver, New York
Innis Speiden & Co., Inc., 46 Cliff, New York
Morningstar Charles & Co., Inc. (Imp.), 650 W 34th, New York
National Gum & Mica Co., 12 West End av, New York
Salomon L. A. & Bro., 216 Pearl, New York
Takamine Commercial Corp., 120 B'way, New York

14174e— Starch (Rice)

American Trading Co., 25 Broad, New York
Morningstar Charles & Co., Inc. (Imp.), 650 W 34th, New York
National Gum & Mica Co., 12 West End av, New York
Salomon L. A. & Bro., 216 Pearl, New York

14174f— Starch (Tapioca)

American Trading Co., 25 Broad, New York
Innis, Speiden & Co., 46 Cliff, New York
Morningstar Charles & Co., Inc. (Imp.), 650 W 34th, New York
National Gum & Mica Co., 12 West End av, New York
Stein Hall & Co. Inc., 61 B'way, New York

14174g— Starch (Wheat)

American Trading Co., 25 Broad, New York
Morningstar Charles & Co., Inc. (Selling Agent), 650 W 34th, New York
National Gum & Mica Co., 12 West End av, New York

14175— Stars (Iron)

Barnett Oscar Foundry Co. (For Rumbling), Irvington, N. J.
Cleveland Nickel Works (Hard), 1167 W 67th, Cleveland, O.
Fanner Mfg. Co. (Hard for Cleaning Castings), Brookside pk, Cleveland, O.
Flagg Stanley G. & Co. (For Tumbling), 1421 Chestnut, Philadelphia, Pa.
National Malleable Castings Co. (Hard), 7706 Plat av, S. E., Cleveland, O.
Ohio Malleable Iron Co. (Hard Iron Star for Tumbling Mills), 961 N Fourth, Columbus, O.
Pratt Wm. E. Mfg. Co. (Hard), 35 W Lake, Chicago, Ill.
Sly W. W. Mfg. Co. (Hard), 4700 Train av, Cleveland, O.
Wagner Electric Mfg. Co. ("Wagner Quality"), 6400 Plymouth av, St. Louis, Mo.

14175a— *Stars (Milling)

Dopp J. W. & Co., (Dealers), 15 W Columbia, Detroit, Mich.

14175b—Starters (Automobile)

A. B. C. Electric Generator Co., 1115 S Olive, Los Angeles, Cal.
American Ever Ready Works of N. C. Co., Thompson av, L. I. City, N. Y.
Atwater Kent Mfg. Co., 4937 Stenton av, Phila., Pa.
Automotive Gear Works ("Double Diamond"), 291 Marietta, Atlanta, Ga.
Barrett Motor Starter Co., 1777 B'way, New York
Bear Mfg. Co., Rock Island, Ill.
Bijur Motor Appliance Co. (Electric for Automobiles and Motor Boats), 15th & Garden, Hoboken, N. J.
Bosch Magneto Co., 250 W 54th, New York
Dayton Engineering Laboratories Co., Dayton, O.
Detroit Starter Co., 32 E Larned, Detroit, Mich.
Disco Electric Starter Corp., 2100 Howard, Detroit, Mich.
ECLIPSE MACHINE CO. ("Bendix" Drive), Elmira, N. Y.
Eisemann Magneto Corp., 32-33rd, Brooklyn, N. Y.
Electric Auto-Lite Co., Toledo, O.
Fisher Electrical Works, 1014 Lynn, Detroit, Mich.
Gray & Davis, Boston, Mass.
Heinze John O. Co., Springfield, O.
Henricks Magneto & Elec. Co., 1237 St. Paul, Indianapolis, Ind.
Holt Electric Co. ("Holt" Motors), 379 S Pierce, Milwaukee, Wis.
Kemco Elec. Mfg. Co., Salem, O.
Leece-Neville Co., 5363 Hamilton av, Cleveland, O.
Little Giant Starter Co., Canton, O.
North East Electric Co., 348 Whitney, Rochester, N. Y.
Owen-Dyneto Corp., 301 Wolf, Syracuse, N. Y.
Remy Elec. Co., Anderson, Ind.
Roberson W. Machine & Foundry Co. ("Presto"), 56 Rano, Buffalo, N. Y.
Simms Magneto Co., East Orange, N. J.
Splitdorf Elec. Co., 98 Warren, Newark, N. J.
United States Light & Heat Corp. (Electric), Niagara Falls, N. Y.
Veltum & Clow Mfg. Co. ("Pierce" Impulse Starter), Eugene, Ore.
Vesta Accumulator Co., 2100 Indiana av, Chicago, Ill.
Vesta Battery Corp., 2100 Indiana av, Chicago, Ill.
Wagner Electric Mfg. Co., 6400 Plymouth, St. Louis, Mo.
Ward Leonard Electric Co. (Dynamos), Mt. Vernon, N. Y.
Wells R. C. Mfg. Co., Fond du Lac, Wis.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

14176—*Starters (Fire Pump)

CUTLER-HAMMER MFG. CO. (Electric), 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book

14177—Stationers' Rubber Sundries

American Hard Rubber Co. (Hard Rubber, 9 Mercer, New York
Davidson Rubber Co., Boston, Mass.
Davol Rubber Co., 69 Point, Providence, R. I.
Goodrich B. F. Co., Akron, O.
Hodgman Rubber Co., 25 W 43rd, New York
Miller Rubber Co., Akron, O.
Parker, Stearns & Co., 286 Sheffield av, Brooklyn, N. Y.
Seamless Rubber Co., Hallock av, New Haven, Conn.
Tyer Rubber Co., Andover, Mass.

14178-9—Stationers' Specialties

See also Specific Article Required

Adams Mfg. Co. (Blotter Baths), 36 E Plumstead, Phila., Pa.
Adhesive Paper Products Corp., 3343 Fillmore, San Francisco, Cal.
Am. Papeterie Co. ("Keiths"), Dept. H, Albany, N. Y.
Beaton Caldwell Mfg. Co., New Britain, Conn.

(Continued on following page)

Stationers' Specialties—Continued

Boorum & Pease Co., 84 Hudson av, Brooklyn, N. Y.
Chicago Mirror & Art Glass Co. ("Chicago" Glass Desk Pad), 216 N Clinton, Chicago, Ill.
Cushman & Denison Mfg. Co. ("Capitol" Ink Stands & Other Specialties), 11th Av & 20th, New York
Detroit Coin Wrapper Co., 15 W Milwaukee, Detroit, Mich.
Erie Metal Products Co., Erie, Pa.
Farnham Printing & Stationery Co. (Desk Ticklers and Other Specialties), 806 Lumber Exchange, Minneapolis, Minn.
Foley John F. (Pencil Tips), Attleboro, Mass.
Fox Geo. E. Co. (Glass Desk Pads & Blotter, Pads), 319 W Ohio, Chicago, Ill.
General Eclipse Co. ("Eclipse" Pneumatic Ink Wells), Danielson, Conn.
GLOBE-WERNICKE CO. (THE), 25 Carthage av, Cincinnati, Ohio
See adv index at end of book
Goes Lithographing Co. (Stock Certificate), 42 W 61st, Chicago, Ill.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Ideal Specialties Mfg. Corp. ("I. D. L.," "Up-to-Date"), 552 Pearl, New York
JOHNSTON J. W. (Snow White Fancy, Stationery Outfits), Neu Artz bldg, Rochester, N. Y.
Kimpton Edw. Co., 18 Cliff, New York
Mohler A. ("So Easy" Looseleaf Binders & Moisteners), 416 S Dearborn, Chicago, Ill.
O. K. Mfg. Co. (Letter Openers, Paper Fasteners & Erasers), Oswego, N. Y.
Peck Spring Co. (Springs), Plainville, Conn. *See adv index at end of book*
Polar Mfg. Co., 123 N 4th, Philadelphia, Pa.
Ravenswood Office Specialties Co. ("Rossco" & "Ravenswood") Glass Desk Pad), 1800 Newport av, Chicago, Ill.
Roovers Bros. (Address & Seal Embossers, Hand & Desk), 100 Schermerhorn, Brooklyn, N. Y.
Sainberg L. ("Elsane" Board Clips, Index Cabinets & Work Distributors), 65 W Houston, New York
Schmidman's Theo. Sons Co., Manitowoc, Wis.
Sengbusch Self-Closing Inkstand Co., Stroh bldg, Milwaukee, Wis.
Traut & Hine Mfg. Co. (Metal), New Britain, Conn.
Van Valkenburg L. D. (Pencil Clips), Holyoke, Mass.
Yale Novelty Co. (French Ivory Desk Sets), Leominster, Mass.

14180— Statuary (Plaster)

Florentine Art Plaster Co., 2203 Chestnut, Phila., Pa.

14181— Statuary & Monuments (White Bronze)

Monumental Bronze Co., Bridgeport, Conn.

14182— Stays (Door)

Lane Bros. Co., Poughkeepsie, N. Y.
Richards-Wilcox Mfg. Co. ("Richards" Non-Sag), Aurora, Ill.
See adv index at end of book
Superior Spring Hinge Co. (Friction "Superior"), 550 W Lake, Chicago, Ill.

14183— Stays (Fence)

Carbo Steel Products Co., 2600 W 111th, Morgan Park Station, Chicago, Ill.
Chicago Steel Post Co., 209 N Michigan av, Chicago, Ill.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Worth Wire Works ("Cinch"), Kokomo, Ind.

14184— Stays (Stair Rail)

Brewer Bros. Co. (Wrought, Screw, Drive or on Plate), 2743 N 2nd, Phila., Pa.

14185-6-7—Stays (Transom)

Corbin P. & F., New Britain, Conn.
Donner Steel Co., Inc., 475 Abbott rd, Buffalo, N. Y.

14188— Steam Feeds

Allis-Chalmers Mfg. Co. (Twin Engine & Direct Acting), Milwaukee, Wis.
See adv index at end of book
DAKE ENGINE CO., Grand Haven, Mich.
See adv index at end of book
Manistee Iron Works Co. (Twin Engine, for Saw Mill Carriage), Manistee, Mich.
Multnomah Iron Works, 30th & Nicolai, Portland, Ore.
Portland Iron Works (Twin Engine for Saw Mill Carriage), 495 Northrup, Portland, Ore.

Steam Fitters (High Pressure)

See Piping, High Pressure

14189—Steam Fitters' Supplies

See also Plumbers' Supplies

(For Manufacturers of Steam Specialties see Specific Article Required)

ALABAMA.

BIRMINGHAM—Crane Co., 2 S 20th
See adv index at end of book
Moore-Handley Hardware Co.
Young & Vann Supply Co.
MOBILE—American Equipment Co.
Courtright Whiting Supply Co.
McGowin-Lyons Hardware & Supply Co.
Standard Equipment Co.
Turner Supply Co.
MONTGOMERY—Lum Machinery & Supply Co.
TALLADEGA—Michael Supply & Roofing Co.

ARIZONA.

NOGALES—Roy & Titcomb
PHOENIX—Thayer Ezra W.

ARKANSAS.

FORT SMITH—Atkinson-Williams Hardware Co.
Speer Hardware Co.
HELENA—Lewis Mill Supply Co., Dept. H
HOT SPRINGS—Hot Springs Plumbing & Machine Co.
LITTLE ROCK—Cox Thomas & Sons Machy, Co.
Crane Co., 515 E 2nd
See adv index at end of book
Kidd-Bossinger Hardware Co.
PINE BLUFF—Fox Bros. Hardware Co.

CALIFORNIA.

BAKERSFIELD—Fairbanks, Morse & Co.
FRESNO—Kutner-Goldstein Co.
Mark-Lally Co.
Midstate Pipe & Supply Co., 316 O
GRASS VALLEY—Grass Valley Hardware Co.
LOS ANGELES—Busch Pipe & Supply 1005 Mateo
Crane Co., 321 E 3rd
See adv index at end of book
Harper & Reynolds Co., 152 N Main
Hartwell R. M. Co., 329 E 2d
Haverty Thomas Co., E 8th & Maple
Munger-Reese Co., Inc., 811 Mateo
Pacific Pipe & Supply Co., 1002 Santa Fe
Republic Supply Co., 2122 E 7th
Smith-Booth-Usher Co.
Southern Plumbing Supply Co., Inc., 402-6 North av, 22
Union Hardware & Metal Co., 411 E 1st
Warren & Bailey Co., 214 E 3rd
OAKLAND—Crane Co., 346 9th
See adv index at end of book
Stulsaft M. Co., 339 13th
SACRAMENTO—Crane Co., 1227 Front
See adv index at end of book
Sacramento Pipe Works
Thomson-Diggs Co., 3d & R
SAN DIEGO—Hazard-Gould Co.
Machy. Pipe Supply Co. 200 9th
Western Metal Supply Co.
SAN FRANCISCO—Baker Hamilton & Pacific Co., 7th & Townsend
California Steam & Plumbing Supply Co., 671 5th
Coast Supply Co., 590H Howard
Crane Co., 301 Brannan
See adv index at end of book
Dalziel-Moller Co., 556 Mission
Dunham, Carrigan & Hayden Co., Kansas & Division
Garrett W. T. & Co., 299 Fremont
General Machy. & Supply Co., 39 Stevenson
Gilchrist W. Erwin, 681 Market
Great Western Supply, 948 Folsom
Holbrook, Merrill & Stetson, 6th & Bluxome
Marshall Newell Supply Co., Spear & Mission
Marwedel C. W., 76 First
Moore Chas. C. & Co., Sheldon bldg.
Mushet W. E. Co. (Dirs.), 700 2d
Republic Supply Co., 670 2d
Stulsaft M. Co., 647 Mission
Tay Geo. H. Co., 165 8th
Wagner Jos. Mfg. Co., 165 Beale
Western Plumbing Supply Co., Dept H, Mission & 9th
Woodin & Little, 33 Fremont
SAN JOSE—Stock Jno. Sons
STOCKTON—Austin Bros.

COLORADO.

CRIPPLE CREEK—Cripple Creek Mine & Supply Co.
DENVER—Hendrie & Bolthoff Mfg. Supply Co., 1639 17th
Mine & Smelter Supply Co., 17th & Blake
O'Fallon M. J. Supply Co., 1625 15th

CONNECTICUT.

BRIDGEPORT—Mills L. H. Co., 32 Middle av
Curtis & Curtis Co., 188 Garden
DANBURY—Danbury Hardware Co.
Hull, F. A. & Son
HARTFORD—Hartford Mill Supply Co., 133 Walnut
Plimpton & Hills Corporation
Purcell J. L., Inc. (Jobbers)
MERIDEN—Cashen John J. & Son
MIDDLETOWN—Hale & Kelsey Mills Lyman D. Co.
NAUGATUCK—Page Jno. M. Co.
NEW HAVEN—Foskett & Bishop Co.
Mersick C. S. & Co.
Peck Bros. & Co.
NEW LONDON—Darrow & Comstock Co.
NORWALK—Jones & Hotchkiss Co.
NORWICH—Barstow J. P. & Co.
Norwich Plbg. Supply House
PUTNAM—Putnam Foundry & Machine Co.
TORRINGTON—Agard Hardware Co.
WATERBURY—Barlow Bros. Co.
Daly Bros. Sup. & Engineering Co.
Daly M. J. & Sons Co. Inc. (Dirs.), 555H Bank

DELAWARE.

WILMINGTON—Delaware Electric & Supply Co.
Shaw Benj. F. Co.
Speakman Supply & Pipe Co.

DISTRICT OF COLUMBIA.

WASHINGTON—Crane Co., 1221 Eye N W
See adv index at end of book
Cunningham Plumbing Supply Co., 1234 Penna av, N W
Latterner Arthur, 602 Penna av, N W
Messer Jas. A. Co., Inc., 1000 Penn av, N W
Schafer E. G. & Co., 218 13th N W
Somerville Thos. Co., 312 13th N W

FLORIDA.

JACKSONVILLE—Camerson & Barkley Co.
Christopher J. G. Co.
Crane Co., 738 W Bay
See adv index at end of book
Farquhar Machinery Co.
Florida Hardware Co.
Hebb H. W. Supply Co., Dept. H
Hubbard S. B. Co.
Savannah Supply Co.
KEY WEST—Curry's, Wm. Sons Co.
OCALA—Masters H. B. Co.
ORLANDO—South Florida Fdry & Mach. Wks.

GEORGIA.

AMERICUS—Sheffield Co.
ATLANTA—Beck & Gregg Hardware Co.
Cotton States Belting & Supply Co.
Crane Co., 1 Collins
See adv index at end of book
General Fire Extinguisher Co.
General Supply Co.
AUGUSTA—Lombard Iron Works & Supply Co
COLUMBUS—Columbus Iron Works
Philips Hdwe. Co., Dept. H
MACON—Schofield's J. S. Sons Co., Hammond & Edgewood av
ROME—Battey Machinery Co.
SAVANNAH—Crane Co., 423 W Bay
See adv index at end of book
Georgia Supply Co.
Weed J. D. & Co.
WAYCROSS—Harley P. N. Hardware Co.

IDAHO.

BOISE—Idaho Hardware & Plumbing Co., Ltd.

ILLINOIS.

BELLEVILLE—Karr Supply Co.
BLOOMINGTON—Keiser-Van Leer Co.
BUSHNELL—Bushnell Pump Co.
CHICAGO—Adkins Young & Allen Co. 561 Wash. bl
Baker & Smith Co., 408 N Wells
Boiler & Radiator Sales Co., 126 W Kinzie
Cameron Schroth Co., 217 E Illinois
Carpenter Geo. B. & Co., 440 North Wells
Channon H. Co., 339 W Randolph
Chicago Engineer Supply Co., 68 W Lake
Clow Jas. B. & Sons, Franklin & Harrison
Cook & Chick Co., 18 E Kinzie
Crane Co., 836 Michigan av
See adv index at end of book
Crawford Co., 3220 W 31st
Davies Supply Co., 412 W Ontario
Deschauer S. Co., 1345 Blue Island av
Enterprise Plumbing Supply Co., 10 E Kinzie
Federal-Huber Co., 234 N Halsted
Hardin-Lavin Co., 4543 Cottage Grove av
Hennebohle F., 31st & S Chicago av
Henion & Hubbell, 219 N Jefferson
Illinois Malleable Iron Co., 1801 Diversey blvd
See adv index at end of book
Karol B. & Sons Co., 800 S Kedzie av
Keckley O. C. Co. (Specialties), 311 W Washington
Kehm Bros. Co., 15 W Kinzie
Kellogg-Mackay Co., 403 W 18th
Kelly & Jones Co. The, 2436 W 15th
See adv index at end of book
Kroeschell Bros. Co., 470 W Erie
Kulp C. P. & Co., 202 S State
Limbert Geo. B. & Co., 558 Fulton
McMaster-Carr Supply Co., 174 N Market
Manning, Maxwell & Moore, 37 N Jefferson
See adv index at end of book
National Plumbing & Heating Supply Co., E 63rd & Prairie

Pittsburgh Piping & Equipment Co., 122 S Michigan av
Rollins Supply Co., 17 W Kinzie
Schlangen Bros. Co., 2435 Irving Park blvd
Scott Valve Co., 310 W Randolph
Seehausen, Wehrs & Co. (Engineers' Supplies), 173 N Franklin
Skinner M. B. Co., 562 W Washington
Weir & Craig Co., 150 W 61st
Western Kieley Steam Specialty Co., 116 W Ill.
Western Plumbing Supply Co., 3228 Fillmore
Whitney & Ford, 4315 Cottage Grove av
DECATUR—Field & Shorb Co.
JOLIET—Barrett Hardware Co.
MOLINE—Moline Heating & Construction Co.
PEORIA—Kinsey & Mahler Co.
Nallon Bros. Co.
PERU—Brunner Machy Co.
QUINCY—Best E. Plumbing, Heating & Supply Co.
ROCKFORD—America Heating & Supply Co.
Crane Co., 636 Race
See adv index at end of book
Rockford Brass Works
ROCK ISLAND—Channon & Dufva
STREATOR—Metcalf Chas
Williams Hardware Co. (Wholesale), 113H Vermillion

INDIANA.

ANDERSON—May Supply Co.
EVANSVILLE—Evansville Supply Co., 306 1st av
FORT WAYNE—National Mill Supply Co.
GREENSBURG—Watson W. A.
INDIANAPOLIS—Central Rubber & Supply Co., 120 S Meridian
Central Supply Co.
Van Camp Hardware & Iron Co., 401 W Maryland
LAFAYETTE—Biggs Pump & Supply Co.
MARION—Marion Hardware Co.
MICHIGAN CITY—Staiger Hardware Co.
MUNCIE—Keiser Geo. & Co.
NOBLESVILLE—Clark Supply House
RICHMOND—Jones Hardware Co. (Jobbers)
TERRE HAUTE—Crane Co., 209 9th
See adv index at end of book
Freitag Weinhardt & Co.
UNION CITY—Knapp Supply Co.

IOWA.

CEDAR RAPIDS—Chandler Pump Co.
Fawcett C. E.
Kubias F. & Co.
Messner & Co.
DAVENPORT—Crane Co., 217 E 2nd
See adv index at end of book
DES MOINES—Beckman Bros.
Crane Co., 1440 Walnut
See adv index at end of book
Globe Machinery & Supply Co.
Kurtz L. H. Co.
DUBUQUE—Deckert W. D. Co.
Kretschmer Mfg. Co.
McDonald A. Y. Mfg. Co. (Jobbers)
Smedley Pump Co.
FORT DODGE—Leighton Supply Co.
KEOKUK—Sutton Wm. P.
MARSHALLTOWN—Dunham C. A. Co.
OSKALOOSA—Ideal Mfg. & Supply Co.
SIOUX CITY—Crane Co., 223 Jackson
See adv index at end of book
WATERLOO—Cutler Hardware Co.
Waterloo Mfg. Co.

KANSAS.

ATCHISON—Thayer Supply Co.
FORT SCOTT—Penniman A. C. & Son Hdw. Co.
LEAVENWORTH—Great Western Mfg. Co.
TOPEKA—Topeka Steam Boiler Works
WICHITA—Crane Co., 135 N Water
See adv index at end of book
Martin Metal Mfg. Co.

KENTUCKY.

ASHLAND—Ashland Foundry & Machine Works
LOUISVILLE—Ahrens Mfg. Co.
Cowan Andrew & Co.
Falls City Plbg. Sup. Co.
Laib Co.
Morton E. D. & Co., 516 W Main
Pyne Co.
Standard Sanitary Mfg. Co.
Vogel P. A. & Sons, 121 W Main
Waters-Garland Co., 419 W Main

LOUISIANA.

BATON ROUGE—Doherty Hardware Co. Ltd.
NEW ORLEANS—Crane Co., 1148 S Peters
See adv index at end of book
Globe Supply & Machinery Co., 627 S Peters
Kittredge-Waters Supply Co. Ltd, 423 Common
Manion & Co., 618 Baronne
Standard Sanitary Mfg. Co.
Stauffer-Eshleman & Co., Ltd., 511 Canal
Whitney Supply Co., 418 S Peters
Woodward, Wight & Co., Ltd., Howard av & Constance
SHREVEPORT—Henderson W. K. Iron Wks. & Supply Co.

MAINE.

BANGOR—Babb C. H. & Co.
Union Iron Works
BIDDEFORD—Anthoine Geo. A.
DEXTER—Fay & Scott
FAIRFIELD—Donnelly D. B.
LEWISTON—Hall & Knight Hardware Co.
Stetson Jos. H. Co.
PORTLAND—Blake W. L. & Co.
Plummer C. M. & H. T.
Portland Stove Foundry Co.
Smith & Abbott Co.

MARYLAND.

BALTIMORE—Baltimore Plbg. Supply Co., 3 N Central av
Carey Machinery & Supply Co., 119 E Lombard
Central Metal & Supply Co., 611 E Lombard
Crane Co., 626 W Pratt
See adv index at end of book
Crook Homer Supply Co., 7 Balderston
Crook H. E. Co., Inc., 28 Light
Cuyler & Mohler, 611 William
Kries Henry A. & Sons Co., 8 W Lombard
Robertson Jas. Mfg. Co., 108 Hopkins pl
Southern Supply Co., Calvert & Sara
Spedden Supply Co., Boston & Kenwood av
Stebbins, Wallace & Sons, 100 S Charles
Wallace & Gale, 115 S Gay
Wood W. E. Co., 18 N Howard

MASSACHUSETTS.

ADAMS—Weston L. A.
BOSTON—Anderson Geo. P. & Co. (Kieley & Mueller's Specialties), 207 Congress
Baker-Payne-Voye Co. (Pipe & Fittings), 1177 Adams
Boston Engineers' Supply Co., 159 Pearl
Boston Pipe & Fittings Co., 273 Congress
Braman, Dow Co., 239 Causeway
Brown-Wales Co., 489 C st
Butler Edmund F. & Co., 80 Pearl
Dalton-Ingersoll Mfg. Co., 365 Atlantic av
Federal Steam & Gas Supply Co., 36 Purchase
Gallison Wm. H. Co., 401 Atlantic av
Gilchrist Geo. E. Co., 234 Congress
Gurney Heater Mfg. Co. (Heating Apparatus, etc.), 93-95 Oliver
Hubbard W. B. & Sons Co., 176 Oliver
Jarvis Engineering Co., 261 Franklin
Morton A. M. & Co., 25 Wash'n
Perrin, Seamans & Co., 57 Oliver
Perry J. P. & Co., 154 Pearl
Sherburne & Co. (Gauges, Valves & Railway Supplies, etc), 53 Oliver
Wacco Supply Co., 30 Marginal, E B
Walker & Pratt Mfg. Co., 31 Union
Walworth Mfg. Co., 793 1st S B
Webb F. W. Mfg. Co., 56 Elm
Widger & Miller Co., 141H Milk
CAMBRIDGE—Cambridge Plumbing Supply Co.
Corcoran Supply Co., 62 Albany
FALL RIVER—Fall River Steam & Gas Pipe Co. Corp.
Miller Nathan & Sons (Ltd)
FITCHBURG—Jennison Co. (Pipe Fittings)
GARDINER—Royal Steam Heater Co.
HAVERHILL—Mills & McClintock
HOLYOKE—Holyoke Valve & Hydrant Co.
LOWELL—Farrell & Conaton
Middlesex Machine Co.
LYNN—Bourneuf Louis Corporation
Morgan Jno. F. & Son
Trefethen Frank L.
MIDDLEBORO—Pierce Thos. W. Hardware Co.
MILFORD—Ellis, Clark & Sons
NEW BEDFORD—New Bedford Boiler & Machine Co.
NORTH ATTLEBORO—Hall Wm. M. Co.
PITTSFIELD—Robbins, Gamwell & Co.
SALEM—Ruggles Klingemann Mfg. Co. ("R-K")
SOUTH BOSTON—Crane Co., 48 W First
See adv index at end of book
SPRINGFIELD—Crane Co., 62 Hampden
See adv index at end of book
Foss W. J. Co.
New England Plumbing Supply Co.
Oliver & Howland Co., 240 Main
Wyckoff & Lloyd Co., 19-27 Worthington
TAUNTON—Dighton Foundry Co.
Park W. R. & Son, 19 Court
Trefethen D. A.
WORCESTER—Burlingame A. Co., 149 Commercial
Central Supply Co., Foster sq
Henderson P. J. Co., 171 Foster av
Rockwood Sprinkler Co.
Washburn & Garfield Mfg. Co., Foster

MICHIGAN.

BAY CITY—Alert Pipe & Supply Co.
Jennison Hardware Co.
Styninger Jno. A.
CALUMET—Carlton Hardware Co.
DETROIT—American Radiator Co., 124 Jefferson
Anchor Packing Co., 529 Congress
Anderson-Kenneth Co., 33 Atwater
Central Distributing Co., 944-950 Harper av
Coon-DeVisser Co., 1772H W Lafayette blvd
Crane Co., 150 Randolph
See adv index at end of book
Detroit Lead Pipe Works, 1450 21st
Detroit Ship Building Co. (Brass Dept) ft Orleans
Edwards H. D. & Co., 175 E Larned
Harvey's A. Son's Mfg. Co., 210 1st
Kerr Machy. & Supply Co., 100 Beaubien
Kimball Eisenberg Co., 153 E Jefferson av
Park & McKay, 55 Bagley av
Taylor Supply Co., 540 Larned W
Walker Mfg. & Supply Co. Shelby & Woodbridge
Wright Austin Co. (Specialties), 315 Woodbridge
GRAND RAPIDS—Barclay Ayers & Bertsch Co.
Crane Co., 56 Ellsworth av
See adv index at end of book
Ferguson Supply Co.
Leitelt Adolph Iron Works
Sproul & McGurrin Co.
LANSING—Michigan Supply Co.
MUSKEGON—Howden J. J. Co.
Towner Hardware Co.
SAGINAW—Alert Pipe & Supply Co.
Eureka Heating & Ventilating Co. (C. W. Light, Prop.)
Morley Bros.
Saginaw Hardware Co.
SAULT SAINTE MARIE—Soo Hardware Co.

MINNESOTA.

DULUTH—Crane Co., 8 E Michigan
See adv index at end of book
Duluth Plumbing Supplies Co.
Kelly-How-Thomson Co.
Marshall-Wells Co.
Northern Hardware Co.
MINNEAPOLIS—American Radiator Co., 930 Nic av
Central Supply Co., 312 S 3d
Crane Co., 400 3rd av, N
See adv index at end of book
Engineering & Steam Supplies Co., Plymouth bldg.
Gilmore D. M. Co., 515 S 3d
Kellogg-Mackay Co., 824 S 4th
National Mfg. & Supply Co., 256 3rd av S
ST. PAUL—Crane Co., 356 Broadway
See adv index at end of book
Robinson, Cary & Sands Co, 4th & Wacouta
Robinson Plumbing Supply Co.
Western Supply Co, Park square

MISSISSIPPI.

CORINTH—Adams W. T. Machine Co.
NATCHEZ—Feltus Bros.
Schwartz & Stewart
YAZOO CITY—Crane-Hamel Hardware Co.

MISSOURI.

JOPLIN—Joplin Supply Co.
McNeal Machinery Co.
KANSAS CITY—Crane Co., 1328 W 12th
See adv index at end of book
Great Western Mfg. Co., 1400 W 12th
Harbison Mfg. Co.
Kansas City Pump Co., 1314 W 10th
Kellogg-Mackay Co., 2020 Walnut
Reeves Supply Co., 1304 McGee
U. S. Water & Steam Supply Co.
Young W. B. Supply Co., 212 Delaware
ST. JOSEPH—Howe W. B. Supply Co.
Missouri Water & Steam Supply Co.
ST. LOUIS—American Radiator Co. (of Chicago), 410 N B'way
Brockman J. R. Mfg. Co., 617 N 2nd
Cahill-Swift Mfg. Co., 1112 Market
Crane Co., 30 S 16th
See adv index at end of book
Handlan-Buck Mfg. Co., 210-14 N 3d
Johnson Wm. C. & Sons Machinery Co., 1001 N 6th
Kelly & Jones Co. The, 507 Laclede Gas bldg *See adv index at end of book*
Nelson N. O. Mfg. Co., 10th & Chestnut
Rumsey L. M. Mfg. Co., 4372 Westminster
Stockhoff Supply Co., 107H N Main
Street J. D. & Co., 41st & Park
SPRINGFIELD—Cooper Harry Supply Co.
Springfield Plumbing Co.

MONTANA.

ANACONDA—Anaconda Copper Mining Co.
BUTTE—Anaconda Copper Mining Co.
Montana Hardware Co.
GREAT FALLS—Crane Co., Great Northern Railway Yards
See adv index at end of book
HELENA—Holter A. M. Hardware Co.
MISSOULA—Missoula Mercantile Co.

NEBRASKA.

BEATRICE—Dempster Mill Mfg. Co.
LINCOLN—Western Supply Co.
OMAHA—American Radiator Co.
Crane Co., 323 S 10th
See adv index at end of book
Omaha Sanitary Supply Co.
U. S. Radiator Corp.

NEW HAMPSHIRE.

CONCORD—Concord Pipe Co.
LANCASTER—Thompson Mfg. Co.
MANCHESTER—Pike & Heald Co.

NEW JERSEY.

BAYONNE—Bayonne Supply Co.
ELIZABETH—Elizabeth Hardware Co.
JERSEY CITY—Gibbons Ernest A. Co., 37 Montgomery
Jersey City Supply Co., 12 Mercer
Perkins Arthur L. Co., 144 12th

(Continued on following page)

JOHN SIMMONS CO

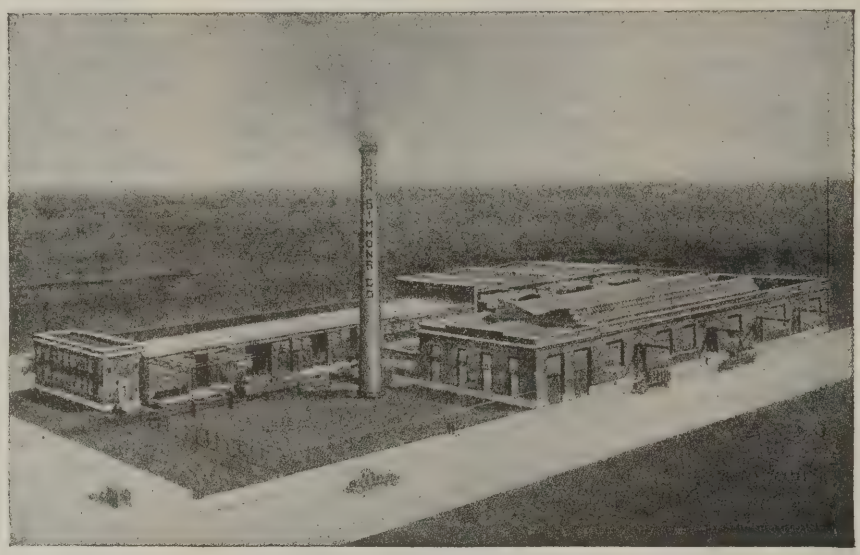
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Birdsall W. A. & Co., 44 Mechanic
Bridgman Co., 206 Frelinghusen av
Crane Co., 86 Mechanic
See adv index at end of book
Egbert W. V. & Co., 35 Mechanic
Factory Supply & Hardware Co., 47 Mechanic
Ironbound Hardware & Supply House, 228 Ferry
Kantor Bros., 205 Waverly
Leonard E. B., 19 Lombardy
O'Loughlin & Co., 11 Campbell
Service Plumbing Supply Co., 156H Central av
Simmons Pipe Bending Works, 40 Mechanic

NEW BRUNSWICK—Weigel Philip, Jr.
Beith & Reilly Co.

ORANGE—Linsdley John N.

PASSAIC—Friedman A. & J. Co.
Friedman Bros.
Mills H. W. & Co., 218H Washington pl
New Jersey Engineering & Supply Co.
Passaic Plumbing Supply Co.

PATERSON—Mills H. W. & Co., 59 Washington
Myers Geo. A. & Co., 63 Washington
Quinn Bros.
Smith Abe
Van Winkle J. A. Co., 168 Main

TRENTON—Manufacturers' Selling Co.
Trenton Hardware Co., 35 E State
Warren, Balderston & Co.

WEEHAWKEN—Berger Edw. W. & Bro.

NEW MEXICO.

ALBUQUERQUE—Mead Hardware Co.

NEW YORK.

ALBANY—Albany Hardware & Iron Co.
Bates Edw. P. (of Syracuse), Fairbanks Co., 364 B'way
Crane Co., N Broadway
See adv index at end of book
Hoy & Co.
Russ Herman H. & Sons

ALBION—Waterman Store

BINGHAMTON—Gaylord & Eltapence Co.
Millar Chas. & Son Co.
Shapley & Wells

BUFFALO—Case W. A. & Sons Mfg. Co., 31 Main
Crane Co., 81 Broadway
See adv index at end of book
Dixon & Ballou, 321 Ellicott
Frontier Water & Steam Supply Co., 366 Oak
Kelly & Jones Co. The, 572 Ellicott sq
See adv index at end of book
Ruckel J. H. & Son, 81 Main
Schaefer Plbg. Supply Co., 146H Clinton
Warren & Dellwardt, 109 Seneca

CANANDAIGUA—Cooley A. E. & Co.

CLYDE—Wood S. W. Engine Co.

COHOES—Sweet & Doyle

GENEVA—Vance Jas. R.

GREENPORT—Hedges Samuel P.

HORNELL—McGuire Chas. F.

JAMESTOWN—Clark Hardware Co.

KINGSTON—Canfield Supply Co.

LOCKPORT—Trevor Mfg. Co.

NEWBURGH—Smith Albert C. & Co.
Smith W. L.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Crane Co., 249 Willoughby
See adv index at end of book
Jacobs Geo. P. & Co., 276 S 9th
Johnson J. D. Co., 43 Boerum pl
McElraevy & Hauck Co., 440 B'way
Munkenbeck Bros., 88 Hamilton av
Phillips Doup & Co., 44th & 1st av
Scollay John A., 74 Myrtle av
Wilfert Jno. Co., 490 Bushwick av

Boroughs of Manhattan and Bronx.

NEW YORK—Anaconda Copper Mining Co., 25 B'way
Behrer & Co., 81 Beekman
Beith & Reilly Co., Lincoln av & 187th
Bernard-Greenwood Co., 20 Desbrosses
Boig & Hill, 180 Washington
Campbell Supply Co., 570 Columbus av
Cornell & Underhill, Greenwich & Spring
Crane Co., 494 Cherry
See adv index at end of book
Curran Supply Co., 512 W 36th
Darcoid Company (Leather, Rubber, Balata, Canvas, Asbestos), 1780 Broadway
See adv index at end of book
Dienst A. P. Co., 2604 3d av
Dimock & Fink Co., 220 E 125th
Dominion Asbestos & Rubber Corp. (Leather, Rubber, Balata, Canvas, Asbestos), 1780 B'way
See adv index at end of book
Donegan & Swift, 132 Nassau
Du Bois F. N. & Co., 247 9th av
Dunham, Carrigan & Hayden Co. (of San Francisco, Cal), 127 Duane
Efron Jacob, 233 Broome
Garrett W. D. & Co., 118 E 28th
Giannini G. W., 437 W 42d
Gillis & Geoghegan, 537 W B'way
Greason Mfg. Co., 103 W 99th
Gurney Heater Mfg. Co. (of Boston), 11 E 42nd
Hussey W. H. & Son, 233 W 35th
Keating E. F. Co., 446 Water
Keating Jas. A. & Co., 105 Christopher
Kelley & Jones Co. The, 2509-12 Park Row bldg
See adv index at end of book
Larkin J. K. & Co., 253 Broadway
See adv index at end of book
McMann Supply Co., 319 Pearl
McMANN & TAYLOR CO., 104 John
See adv index at end of book
McShane Bell Fdry. Co., 48 E 41st
Marine Mfg. & Supply Co., 158 South
Marx S. C. Co., 76 Dey
Montgomery & Co., 105 Fulton
Murray John A. & Co., 310 W 39th
O'Neil M. Supply Co., 25 Cliff
Page Wm. H. Boiler Co., 58 W 40th
Peck Bros. & Co. (of New Haven, Conn.), 219 W 49th
Phelps Bros. Co., 101 Beekman
PIERCE, BUTLER & PIERCE MFG. CORP., 41 E 42d
Pollock Alex. Co., 203 West
Ransom Stephen, 401 West
Robertson Jas. L. & Sons, 76-80 Murray
Rogers H. A. Co., 87 Walker
See adv index at end of book
Rumsey Pump & Machine Co., 75 Warren
Russell W. A. & Co., Grand Central Terminal
Rutzler Enoch Co., 404 E 49th
Sarco Co., Inc., 14 Park pl
Schaad Paul, 179 Pearl
SIMMONS JOHN CO., 110 Centre
See adv index at end of book
Smith H. B. Co., 10 E 39th
Standard Plumbing Supply Co., St. Ann's av & 159th
Tufts Walter B., 94 John
Urquhart's John S. Son & Co., 131 Liberty
Walker & Chambers, 222 E 41st
Walworth Mfg. Co. (of South Boston), 19 Cliff

Borough of Queens.

LONG ISLAND CITY—Brodie Wm., 307 Jackson av
(End of New York City)

NIAGARA FALLS—Elderfield-Hartshorn Hardware Co.

NORTH TONAWANDA—American District Steam Co.

OGDENSBURG—Ogdensburg Machine Co.
OSSINING—Barlow & Co.
OSWEGO—Otis Boiler Co. Inc., 335 W 1st
POUGHKEEPSIE—Adriance Plumbing & Heating Co.
ROCHESTER—Crane Co., 200 South av
See adv index at end of book
Haverstick & Co.
Rochester Vacuum Valve Co.
Sloan Samuel & Co.
SAUGERTIES—Lamb's Daniel Son
SYRACUSE—Bates Edw. P. Co.
Crane Co., 209 S West
See adv index at end of book
Kieffer Bros.
Weekes Jno. & Son Co.
TROY—Aird-Don Co.
Barnum Bros. Co.
Cole Geo. H. Supply Co., 399H River
Horan Jas. & Co.
Ross Valve Mfg. Co.
Troy Belting & Supply Co.
UTICA—Bates Edw. P.
Millar Chas. & Son Co.
Utica Plumbing Supply Co.
WATERTOWN—Hunting Co.
Weekes Jno. & Son Co.

NORTH CAROLINA.

CHARLOTTE—Charlotte Supply Co.
General Fire Extinguisher Co. (of Providence, R. I.)
Mecklenburg Iron Works, 510H W Trade
DURHAM—Durham Iron Works Co.
GOLDSBORO—Dewey Bros.
GREENSBORO—Odell Hardware Co.
NEWBERN—Hyman Supply Co.
New Bern Iron Works & Supply Co.
RALEIGH—Dillon Supply Co., Dept. H
Young & Hughes
WINSTON SALEM—Crawford Mill Supply Co.

NORTH DAKOTA

FARGO—Crane Co., 636 Northern Pacific av *See adv index at end of book*

OHIO.

AKRON—Hardware & Supply Co. (Pipe & Fittings, etc.), 475-535 S High
Mill & Mine Supply Co., P. O. Box 432
See adv index at end of book
ASHTABULA—McKinnon Iron Works Co.
BUCYRUS—Crawford Supply Co.
CANTON—Canton Hardware Co., 1221 3rd N E
Scioto Valley Supply Co.
CINCINNATI—Am. Valve & Meter Co. (Railroad), 2833 Spring Grove av
Blaesi C. W. Co., 3rd & Sycamore
Crane Co., 824 Broadway
See adv index at end of book
Deckebach F. C. Sons Co., 128 W Court
Geerin Bros. & Co., 423 E 8th
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly *See adv index at end of book*
Kelly & Jones Co. The, 1008 Sycamore
See adv index at end of book
Merkel Bros. Co., Canal & Jackson
Murdock Mfg. & Supply Co., 426 Plum
Nichol Thos. J. & Co., Pearl & Ludlow
Queen City Supply Co., Pearl & Elm
CLEVELAND—Bissett R. J., Guardian Bldg.
Bliss Supply Co., 815 Long av
Illinois Eng. Co., Williamson bldg
Kennedy Co., Euclid av
Luetkemeyer, 725 Superior av, N W
Oldenburg Arthur L. Co., 1447 E 39th
Pattison W. M. Supply Co., 777 Rockwell av
Scioto Valley Supply Co., Gay & Front
Strong, Carlisle & Hammond Co., 336 Frankfort av, N W
Worthington Geo. Co., 802-832 S Clair av, N. W.
COLUMBUS—Ascher Supply Co., 236 N Third
Columbus Supply Co., 37 W Spring
Scioto Valley Supply Co.
Westwater Supply Co., 150 N 3d
DAYTON—Buckeye Iron & Brass Works
Dayton Supply Co.
Kiefaber W. H. Co.
ELYRIA—Elyria Enameled Products Co. (Glass Enameled, Pipe & Fittings)
FINDLAY—Went C. H.
GREENVILLE—Treaty Co.
HAMILTON—Walker John L. Co.
LIMA—Crane Co., 207 S Central av
See adv index at end of book
Good Tool & Supply Co.
MANSFIELD—Barnes Mfg. Co.
Ohio Brass Co.
NAPOLEON—Heller-Aller Co.
PORTSMOUTH—Standard Supply Co.
ST. MARYS—Jasperson Supply Co.
TOLEDO—American Plumbers' Supply Co.
National Supply Co.
TROY—Hatfield & Scott
WARREN—Warren Hardware Co.
YOUNGSTOWN — Stambaugh Thompson Co.
Scholl W. J. Co.
ZANESVILLE—Roekel Co.

OKLAHOMA.

OKLAHOMA—Crane Co., 221 W 1st
See adv index at end of book

OREGON.

ASTORIA—Fisher Bros. Co.
PORTLAND—Crane Co., 160 14th N
See adv index at end of book
Jacobsen-Munro Co., 1 N Front
Kline M. L. Co., 80 Front
Marshall-Wells Co., 15th & Lovejoy
Peerless Pacific Co., 2nd & Stark
Walworth Mfg. Co., 414 1st av S

PENNSYLVANIA.

ALLENTOWN—Albright Son & Co., 123 N Front
Taylor Wm. H. & Co.
ASHLAND—Buck Peter E. & Sons
BRADFORD—Bovaird & Seyfang Mfg. Co.
Bradford Supply Co., 130 Main
Oil Well Supply Co.
BUTLER—Campbell J. G. & W.
CHESTER—Bridgman Co., Dept. H
Riley Benj. F.
CHICORA—Hays E. F. & Sons
Hoch Bros.
CLARION—Magee John A. Co.
CONSHOHOCKEN—Bate Wm. T. & Son
CORRY—Barlow Hardware Co.
DALTON—Dalton Supply Co.
DUBOIS—Dubois Iron Works
DUKE CENTER—Berry & Duke
EASTON—Macon-Heller Co.
EMLENTON—Mitchell H. B. & Co.
Weller J. A. & Sons
ERIE—Erie Mfg. & Supply Co.
Jarecki Mfg. Co.
FREELAND—Freeland Plumbing & Plumbing Supplies Co.
GREENSBURG—Kelly & Jones Co. The
See adv index at end of book
GREENVILLE—Packard H'dware Co.
HARRISBURG—Appleby Bros. & Whittaker Co.
Gilbert H. & Son, 400 S 2nd
Mather E. Co.
HAZLETON—Hazleton Machinery & Supply Co.
JOHNSTOWN—National Radiator Co.
Swank Hardware Co.
KINGSTON—Roat A. J. Supply Co.
LANCASTER—Cummings, Bevis & Levan
Raub Supply Co.
LEBANON—Krause Geo. Hardware Co.
MECHANICSBURG—Hauck Bros.
MEYERSDALE—Shipley Hardware Co.
MOUNT JOY—Moyer Gabriel
OIL CITY—Logan Robt.
Oil Well Supply Co. (of Pittsburgh)
United Hardware & Supply Co.
PHILADELPHIA—Anchor Packing Co., Lafayette bldg
Bridgman Co., 120 S 30th
Brogan & Co., 810 Race
Cox & Sons Co., 5th & Chestnut
Crane Co., 245 Master
See adv index at end of book
Fleck Bros. Co., 44 N 5th
Fords & Kendig Co. (Dirs.), 1423 Callow Hill
Froelich Bros., 142 N 7th
Haines, Jones & Cadbury Co., 1136 Ridge av
Hartman Co., 1231 N Front
Hunter & Dickson Co., 15 Washington av
Johnson J. D. Co. (of New York), 139 N 7th
Keystone Supply & Mfg. Co., 927 N 9th
Koons E. W. & Co. (Pipe & Fittings, etc), 911 Filbert
Lewis Steam Specialty Co. (Valves & Regulators), 5000 Parkside
McArdle & Cooney, 519 Arch
Maddock & Co., 40 N 6th
Maneely John 247 N 12th
Pancoast Henry B. Co., 950 N Front
Penn Engng. Co., 312 Cherry
Perkes Chas. (Est. of), 627 Arch
Rainear C. J. & Co., 518 Arch
Sachs Wm. A., Germantown av & Girard
Schade Valve Mfg. Co., 2527 N Bodine
Sees & Faber Co., 2008 N Front
Spaulding & Metcalf, 532 Arch
Standard Supply & Equipment Co., 17th & Lehigh
Walls Owen & Stambach Co., 11th & Ridge
Webb Elisha & Son Co., 136 S Frost
PITTSBURGH—Anchor Sanitary Co., 123 3d av
Bailey Farrell Mfg. Co., S 20th & Sidney
Bonar Jas. & Co., Park bldg
Bowman Supply & Mfg. Co., 890 Main
Crane Co., 40 24th
See adv index at end of book
Frick & Lindsay Co. (Dealers), Sandusky & Robinson
See adv index at end of book
Hickman V. Q., Union Bank bldg
Hyde Bros. & Co., 331 4th av
Jarecki Mfg. Co. 311 1st av
Kelly & Jones Co. The, 135 Water
See adv index at end of book
McKnight Samuel Hardware Co., 225 Federal
Oil Well Supply Co., 215 Water
Pittsburgh Gage & Supply Co., 30th & Liberty av
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R.
Somers, Fitler & Todd Co., 325 Water
Standard Supply & Equipment Co., 29th & Smallman
Turner Chas A., Inc., 3d av & Chancery
POTTSTOWN—Fegely J. & Son
POTTSVILLE—Bright George Hardware Co.
Pottsville Supply Co.
READING—Bright & Co.
Reading Heater & Supply Co.
Reading Laundry & Supply Co.
ROUSEVILLE—Rouseville Supply Co.
SCRANTON—Everhart Brass Works
Gaylord & Butler Co., Wyoming av & Gib.
Gunster Bros., Wyoming av & Gib.
Scott Chas. B. Co., 119 Franklin av
Weeks R. E. Co., Wyoming av & Wash.
SHAMOKIN—Sanner Hardware Co.
SHARON—Fruit-Ohl Co.
SOMERSET—Schell P. A. & Co.
TITUSVILLE—Kernochan & Co.
United Hardware & Supply Co.
TUNKHANNOCK—Billings Paul & Sons
WARREN—Pickett Hardware Co.
WILKES-BARRE—Eastern Penna. Supply Co.
Wyoming Valley Supply & Mfg. Co.
WILLIAMSPORT—Keeler E. Co., 238 West Kline & Co.
Moltz Jacob J.
YORK—Motter's Geo F. Sons
Small P. A. & S. Co.

RHODE ISLAND.

PAWTUCKET—Jackson Samuel Co.
PROVIDENCE—Allen & Reed, 178 Dorrance
American Supply Co., 135 Washington
Conlin J. C., 361 Washington
Grinnell Co., Inc., 275 W Exchange
Phillips Lead & Supply Co., 91 S Main
R. I. Supply & Sprinkler Co., 156 W Exchange

SOUTH CAROLINA.

CHARLESTON—Bailey-Lebby Co.
Cameron & Barkley Co.
Charleston Dry Dock & Machine Co.

SOUTH DAKOTA.

ABERDEEN—Crane Co., 324 Railroad av, S E *See adv index at end of book*

TENNESSEE.

CHATTANOOGA—James Supply Co., 1104 Market
JACKSON—Southern Engine & Boiler Mfg. Co.
KNOXVILLE—Crane Co., 521 W Jackson av *See adv index at end of book*
McClung C. M. & Co.
MEMPHIS—Browne & Borum Co., 409 Madison
Crane Co., 254 Court av
See adv index at end of book
Orgill Bros. & Co., 505 Tennessee
Riechman-Crosby Co., 223 S Front
NASHVILLE—Bouchard Jno. & Sons Co., 1024 Harrison
Keith, Simmons & Co., 414 Union
Nashville Machine Co.

TEXAS.

AUSTIN—Tips Walter Co.
DALLAS—Briggs-Weaver Machinery Co.
Kinnison Bros. (Jobbers)
FORT WORTH—Texas Mfg. Co.
Wagner Supply Co., Dept. H
GALVESTON—Shean Paul Co.
HOUSTON—Girten Belting & Packing Co.
Heitmann F. W. Co.
SAN ANTONIO—San Antonio Machine & Supply Co.
TYLER—Connally Walter & Co.

UTAH.

OGDEN—Halverson Bros.
SALT LAKE CITY—Salt Lake Hardware Co.

VERMONT.

BELLOWS FALLS—Allbee Geo. B. Co.
RUTLAND—Lincoln Iron Works

VIRGINIA.

CHARLOTTESVILLE—Thomas R. L. & Co.
Wood J. Edwin Co.
LYNCHBURG — Barker-Jennings Hardware Co.
Simplex Heating Specialty Co.
NORFOLK—Empire Machine & Supply Corp.
Seaboard Supply Co.
Southern Supply Co.
Taylor-Parker Co. Inc.
Tidewater Supply Co., Inc.
Virginia-Carolina Supply Co.
Walke Henry Co.
RICHMOND—Frischkorn Hunter B. (Pipe & Fittings), 301 E Cary
Lindsay J. L. (Inc), 1321 E Main
Smith-Courtney Co.
Southern Railway Supply Co. (Pipe & Fittings), 1323 E Main
ROANOKE—Nelson Hardware Co. (Pipe & Fittings)
Roanoke Hardware Co.
SUFFOLK—Folk E. L. Co.

WASHINGTON.

BELLINGHAM—Morse Hardware Co.
OLYMPIA—Olympia Hardware Co.
SEATTLE—Bowles Co., 107 Jackson
Crane Co., 419 2nd av S
See adv index at end of book
Northwest Plumbing Supply Co., 320 Terry av N
Palmer Supply Co., 222 Westlake av N
Puget Sound Machinery Depot, 318 1st av S
Seattle Plumbing Supply Co., 576 1st av S
Walworth Mfg. Co., 414 1st av S (Br. of Boston)
Washington Iron Works

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Steam Fitters' Supplies—Continued

WASHINGTON—Continued
SPOKANE—Crane Co., 126 S Post
See adv index at end of book
Holley-Mason Hardware Co.
Spokane Hardware Co.
TACOMA—American Plumbing & Steam Supply Co., 1908 Pacific av
Crane Co., 1209 S A
See adv index at end of book

WEST VIRGINIA.

CHARLESTON—Capital City Supply Co.
HUNTINGTON—Miller Supply Co.
RANSON—Powhatan Brass & Iron Works
WHEELING—Trimble & Lutz Supply Co.

WISCONSIN.

EAU CLAIRE—Hobbs W. H. Supply Co.
GREEN BAY—Murphy Supply Co.
HURLEY—McConnell Hardware Co.
LA CROSSE—Roosevelt W. A. Co.
MANITOWOC—Richards Iron Works
MILWAUKEE—Bowers W. A. Heating Co., 434 Market
Downey Heating & Supply Co., 615 Clybourn
Hoffman B. Mfg. Co., 257 6th
Hoffmann & Billings Mfg. Co., 100 2nd
Mueller L. J. Furnace Co. (Heating Apparatus & Supplies)
Rom Robt. Co., 1022 St. Paul av
Rundle-Spence Mfg. Co., 63 2d
OSHKOSH—Battis Bros.
Crane Co., 121 Marion
See adv index at end of book
RACINE—Davis, O. C.
WAUSAU—Murray D. J. Mfg. Co.

Steam Heating Apparatus

See Heaters, Steam & Hot Water; also Radiator Manufacturers; also Valve Manufacturers, Various Kinds; also Steam Fitters' Supplies, etc.

Steam Tables for Culinary Purposes

See Cooking Apparatus

14191— Steamers (Barrel)

Oram John S. Co., 1316 E 53rd, Cleveland, O.
Southern Boiler Works, Belleville, Ill.

14192-3— Steamers (Grain)

Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Beall Improvements Co., Inc. (Wheat & Corn), Decatur, Ill.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Robinson H. Mfg. Co., Muncy, Pa.
Sprout Waldron & Co., Muncy, Pa.
See adv index at end of book
Wolf Co., Chambersburg, Pa.

14194— Stearine

American Cotton Oil Co. (Cotton Seed), 239 W 30th, New York
Armour & Co., 208 La Salle, Chicago, Ill.
Consolidated Rendering Co. (Oleo), 40 N Market, Boston, Mass.
Cudahy Packing Co., 111 W Monroe, Chicago, Ill.
Emery Candle Co. (For Metal Polish), 115 E 4th, Cincinnati, O.
Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Klipstein A. & Co. (Wool, Imp.), 644 Greenwich, New York
Marden, Orth & Hastings Co. (Imp.), 136 Liberty, New York
Morris & Co., W. S. Yards, Chicago, Ill.
N. Y. Butchers' Dressed Meat Co., 11th av & 39th, New York
Pacific Coast Beef & Provision Co. (Oleo, etc.), Los Angeles, Cal.
Reardon John & Sons Co. (Oleo), Cambridge, Mass.
Scheel Wm. H. (Jobbers), 179 Water, New York *See adv index at end of book*
Southern Oil Treating & Hardening Co., Atlanta, Ga.
Swan Alden S. & Co., 143H Front, New York
Swift & Co., Union Stock Yards, Chicago, Ill.
Wilson & Co., Union Stock Yds., Chicago, Ill.

14195—Steel (Agricultural Implement)

See also Steel Bar Mills; also Steel, Crucible

American Sheet & Tin Plate Co. (Sheet), Frick bldg, Pittsburgh, Pa.
American Tube & Stamping Co., Bridgeport, Conn.
Atlas Steel Corp., Dunkirk, N. Y.
Buffalo Steel Co. (Bessemer, Harrow & Cultivator Bars, Plow Beams, etc.), Tonawanda, N. Y.
Calumet Steel Co. (Bessemer Cultivator Bars, Harrow Tooth Bars, U Harrow Bars, Angles, Channels, etc), 208 S La Salle, Chicago, Ill.
Carbon Steel Co., foot 32nd, Pittsburgh, Pa.
Colonial Steel Co. (Soft Center, Crucible & Open Hearth Plow Steel, etc), 324 4th av, Pittsburgh, Pa.
Colorado Fuel & Iron Co. (Open Hearth), Denver, Colo.
Crucible Steel Co. of America (Crucible & Open-Hearth), Oliver bldg, Pittsburgh, Pa.
Elyria Iron & Steel Co. ("Elisco" High Carbon Shapes, Angles, Tubing, etc.), 232 E 131st, Cleveland, O.
Fisher C. W., 52H Broadway, New York
Harvey Arthur C. Co., 506 Cambridge, Allston Dist., Boston, Mass.
Industrial Steel Corp., 2704 Granview, Chicago
Inland Steel Co., 38 S Dearborn, Chicago, Ill.
Interstate Iron & Steel Co., 104 S Michigan av, Chicago, Ill.
Jessop Steel Co. (Plow Shapes), Washington, Pa.
Jones & Laughlin Steel Co., Ross, Pittsburgh, Pa.
Judson Mfg. Co. (Open Hearth), 819 Folsom), San Francsico, Cal.
Kaufman E. & Co., 143 Liberty, New York
Kelly G. A. Plow Co., Longview, Tex.
La Belle Iron Works (Special Plates, Plow Slabs, etc), Steubenville, O.
Lackawanna Steel Co. (Bessemer & Open-Hearth), Buffalo, N. Y.
Laclede Steel Co. Arcade bldg, St. Louis, Mo.
LARKIN & CO., J. K. (Plow), 253 Broadway, New York.
See adv index at end of book
Republic Iron & Steel Co. (Angles, Channels, Plow Beams, U Bars, etc), Youngstown, O.
See Branch Offices Alphabetical Section
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
Swedish Steel Sales Co., Suite 1420, Grand Central Terminal bldg, New York
Sweet's Steel Co., Williamsport, Pa.
Union Drawn Steel Co. (Cold Drawn), Beaver Falls, Pa.
See adv index at end of book
Warren Iron & Steel Co. (Rolling Coulter Blades, Discs, etc.), Box 396, Warren, O.

14196— Steel (Alkali Drum)

American Sheet & Tin Plate Co., Frick bldg, Pittsburgh, Pa.

14197—Steel (Alloy & Carbon)

American Rolling Mill Co. ("Armico"), Middletown, O.
Anglo-Saxon Supply Co. Inc. (Dirs.), 290 Pearl, New York
Atlas Crucible Steel Co. ("E. B." Alloy), Dunkirk, N. Y.
Atlas Steel Corp. ("Python"), Dunkirk, N. Y.
Balfour Arthur Steel Co., Inc. (Mfrs. Agts.), 287 Atlantic av, Boston, Mass.
Becker Steel Co. of Am., 154 Nassau, New York
Bethlehem Steel Co. (Alloy), So. Bethlehem, Pa.
Bourne Fuller Co., Hanna bldg, Cleveland, O.
Carbon Steel Co. (Bars, Sheets, Plates, Billets, etc.), Dept. H, ft. 32d, Pittsburgh, Pa.
Central Steel Co. (Uma"), Massillon, O.
Colonial Steel Co., 324 4th av, Pittsburgh, Pa.
Cyclops Steel Co., 120 B'way, New York
Driver-Harris Co. (Rolls, Bars & Flat), Harrison, N. J.
See adv index at end of book
Duke Steel Co. Inc., 101 Pearl, New York
Electro Steel Co., Inc. ("Gysinge" Alloy & "Ultissimus" Chrome), Curry bldg, Pittsburgh, Pa.
FITZSIMONS CO. THE, Youngstown, O.
See adv index at end of book
Frasse Peter A. & Co. (Inc.), 417 Canal, New York. Works: Hartford, Conn.
Gladium Co., 127 Duane, New York
HARRISBURG PIPE & PIPE BENDING CO. (In Rounds, Squares, Flats & Shapes, Chrome, Nickel, Vanadium, Chrome Nickel, Chrome Vanadium & Molybdenum), Herr, nr 10th, Harrisburg, Pa.
Harvey Arthur C. Co., 506 Cambridge, Allston Dist., Boston, Mass.
HAWKRIDGE BROS. CO., 303 Congress, Boston, Mass. *See adv index at end of book*
Heller Bros. Co., 890 Mt. Prospect av, Newark, N. J.
Hess Steel Corp. (Electric), Loneys la & Biddle, Baltimore, Md.
Ind. Rolling Mill Co., New Castle, Ind.
Industrial Steel Corp., 2704 Granview, Chicago
Industrial Steel & Brass Corp., 602 W Lake, Chicago, Ill.
Interstate Iron & Steel Co. (Alloy), 104 S Michigan, Chicago, Ill.
Iron Trade Products Co. (Alloy), Farmers Bank bldg, Pittsburgh, Pa.
Jamison Steel Co., 77 Natoma, San Francisco, Cal.
Jessop Steel Co. (Special Alloy Steels for Saws), Washington, Pa.
Johnson Frank H. (Alloy), 208 S La Salle, Chicago, Ill.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Kaufmann E. & Co., Inc., 143 Liberty, New York
Lancaster Steel Products Corp., Lancaster, Pa.
La Salle Steel Co. (Alloy), S Halsted & 23rd, Chicago, Ill.
Latrobe Electric Steel Co., Latrobe, Pa.
Ludlum Steel Co. ("Otsego Special" Alloy Tool), Dept. H, Watervliet, N. Y.
Midvale Co., Nicetown, Phila., Pa.
National Drawn Steel Co. (Alloy), East Liverpool, O.
National Pressed Steel Co., Massilon, O.
National Sales & Trading Co., Cleveland, Ohio
Ontario Electric Steel Co., Inc., Fulton, N. Y.
Pennsylvania Forge Co., Ash & Bath, Philadelphia, Pa.
Poldi Steel Corp. of Am., 115 B'way, New York
Potts Horace T. & Co. (Alloy), Dept. H, Erie & D, Phila., Pa.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Simonds Mfg. Co., Lockport, N. Y.
Standard Steel & Wire Co., 1408 Cortland, Chicago, Ill.
SWEDISH STEEL SALES CO., Suite 1420, Grand Central Terminal bldg, New York
Tacony Steel Co., Franklin Bank bldg, Phila., Pa.
Vanadium-Alloys Steel Co. ("Vasco"), Latrobe, Pa.
Wheelock Lovejoy & Co., Inc. ("Hy Ten" alloy machine), 150 Nassau, New York

14198—Steel Angles, Channels, I-Beams, Shapes & Tees

See also Steel Structural Mills and Note the Matter Following Each Name

Am. Tube & Stamping Co. (Pressed Steel), Dept. H, Bridgeport, Conn.
Bethlehem Steel Co. (Standard Structural & Built), Bethlehem, Pa.
Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
Briggs & Turivas (Dirs.), 110H S Dearborn, Chicago, Ill.
Calumet Steel Co., 208 S La Salle, Chicago, Ill.
Church Appliance Mfg. Co. (Cold Rolled "La Salle"), La Salle, Ill.

Commercial Shearing & Stamping Co. (Cold Formed), Youngstown, Ohio
Concrete Steel Co., 42 B'dway, New York
Fernald Co., 275 Natoma, San Francisco, Cal.
Fishel & Marks Co., ft. of Krakow av, Cleveland, O.
See adv index at end of book
Fisher C. W., 52 Broadway, New York
Froment & Co., 150 Bank, New York
Griffith-Custer Steel Co., Johnstown, Pa.
Horner W. S. & Co., Oliver bldg, Pittsburgh, Pa.
Hutchins Car Roofing Co. ("Hutchins" Steel End Channels), Ford bldg, Detroit, Mich.
Illinois Steel Co., 208 S La Salle, Chicago, Ill.
Interstate Iron & Steel Co. (Angles), 104H S Michigan av, Chicago, Ill.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Lukens Steel Co., Coatsville, Pa.
Marks & Fiske, 2507 24th, Detroit, Mich.
National Sales & Trading Co., Cleveland, O.
North Western Expanded Metal Co. ("Nemco" Steel Channels), 1220 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Pacific Coast Steel Co., Rialto bldg, San Francisco, Cal.
Paterson-Leitch Co., 936 E 67th, Cleveland, Ohio
Pollack Steel Co., 386 W 71st Carthage, Cincinnati, Ohio
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Scullin Steel Co., 6700 Manchester, St. Louis, Mo.
Selikowitz S. D. (Mill Agent), 90 West, New York
SMITH DAVID H. & SONS, Foot of 51st, Brooklyn, N. Y.
See adv index at end of book
Van Winkle H. L. Co. (Imp.), 160 Beale, San Francisco, Cal.
Wisconsin Steel Co., 606 S Michigan, Chicago, Ill.
Youngstown Pressed Steel Co., Warren, O.

14199—Steel Automobile Sheets

See also Iron & Steel Sheet, Black and Galvanized

American Rolling Mill Co. ("Armco"), Middletown, O.
American Sheet & Tin Plate Co., Frick bldg, Pittsburgh, Pa.
Bethlehem Steel Co., Bethlehem, Pa.
Bourne Fuller Co., Hanna bldg, Cleveland, O.
Columbia Steel Co., Elyria, O.
Crowley John A. Co., 120 Liberty, New York
Eastern Rolling Mill Co., Sewer rd, Baltimore, Md.
Falcon Steel Co., Niles, O.
Follansbee Bros. Co., 3rd & Liberty, Pittsburgh, Pa.
Gladium, Inc., 11 Cliff, New York
Harvey Arthur C. Co., 506 Cambridge, Allston, Boston, Mass.
Jessop Steel Co., Washington, Pa.
Kaufman E. Co., Inc., 143 Liberty, New York
La Belle Iron Works, Steubenville, O.
La Salle Steel Co., S Halsted & 23rd, Chicago, Ill.
Mansfield Sheet & Tin Plate Co., Mansfield, O.
Massillon Rolling Mill Co. (Bessemer & Open Hearth), Massillon, O.
Newton Steel Co. ("Newsteel"), Steinbough bldg, Youngstown, O.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill.
See adv index at end of book
SHEET METAL MFG. CO. (THE) (Seconds), Box 508, Youngstown, O.
TICE-TINSLEY STEEL CO. (THE) (Seconds), Terminal bldg, Youngstown, O.
United Alloy Steel Corp., Canton, Ohio
West Penn Steel Co., Brackenridge, Pa.
Wetherell Bros. Co. ("Eastern Rolling Mill"), 251 Albany, Cambridge, Mass.
See adv index at end of book
Wheeling Steel Corp., Wheeling, W. Va.
Wood Alan Iron & Steel Co. ("A. W."), Widener bldg, Phila., Pa.
Worcester Pressed Steel Co., Worcester, Mass.
See adv index at end of book
Wyoming Shovel Works (Open-Hearth, Nickel & Nickel Chrome), Wyoming, Pa.
Youngstown Sheet & Tube Co., Youngstown, Ohio

14200—Steel (Automobile, Special)

Bourne Fuller Co., Hanna bldg., Cleveland, Ohio
Duke Steel Co. Inc., 191 Pearl, New York
Electric Alloy Steel Co., Youngstown, O.
Frasse Peter A. & Co. (Inc.), 417 Canal, New York. Works: Hartford, Conn.
Heller Bros. Co., 870 Mt. Prospect av, Newark, N. J.
Interstate Iron & Steel Co., 104H S Michigan av, Chicago, Ill.
Youngstown Sheet & Tube Co., Youngstown, Ohio

Steel Bands & Hoops

See Iron & Steel, Band & Hoop

14201— Steel Bar Mills

See also Iron Bar Mills; also Steel Crucible

American Bridge Co. (Open Hearth), 30 Church, New York
American Car & Foundry Co. (Open Hearth Rounds, Flats & Squares), Syndicate Trust bldg, St. Louis, Mo.
American Horse Shoe Co. (Steel Bars), Phillipsburg, N. J.
American Rolling Mill Co. (Basic Open Hearth), Middletown, O.
Armstrong Geo. W. & Co., Inc. (Steel Bars), Fort Worth, Texas
Atlantic Steel Co. (Basic Open Hearth, Rounds, Flats, Squares, etc), Atlanta, Ga.
Atlas Steel Corp. (High Grade Crucible "L. X. X." High Speed Steel "Atlas," Tempering Steels in Squares, Rounds, Flats, Hexagons, etc., for Tools, Drills, Dies, etc.), Dunkirk, N. Y.
Bethlehem Steel Co. (Nickel & Nickel Chrome for Files, Screws, Wire Rods, etc), South Bethlehem, Pa.
Booth J. B. & Co., 216 E Robinson, Pittsburgh, Pa.
Braeburn Steel Co. (Open Hearth & Crucible Bar & Tool Steel), Braeburn, Pa.
Brown & Co. (Crucible Bar & Tool Steel), 10th & Duquesne way, Pittsburgh, Pa.
Buffalo Bolt Co. (Bolt & Nut Steel), N Tonowanda, N. Y.
Buffalo Steel Co. (Bessemer Steel), Tonawanda, N. Y.
Calumet Steel Co. (Bessemer Rounds Deformed, Squares, Flats, Angles, Channels, etc) 208 S La Salle Chicago Ill.
Carbon Steel Co., ft. 32nd, Pittsburgh, Pa.
Carnegie Steel Co. (Open Hearth & Bessemer Merchant Bar), Carnegie bldg, Pittsburgh, Pa.
Carpenter Steel Co. (Crucible Tool Steel), Reading, Pa.
Central Steel Co., Dept. H, Massillon, O.
Chrome Steel Works (Acid & Open-Hearth), Chrome, N. J.
Colonial Steel Co., 324 4th av, Pittsburgh, Pa.
Colonial Supply Co. (Dealers Only), 217 Water, Pittsburgh, Pa.
See adv index at end of book
Colorado Fuel & Iron Co. (Bessemer & Open Hearth Merchant Bars), Denver, Colo.
Columbia Tool Steel Co. (Rolled & Hammored Crucible Tool & Machinery), 552 W Lake, Chicago Heights, Ill.
Compressed Steel Shafting Co. (Cold Drawn Steel Bars), Readville, Mass.
Connors Steel Co. (Merchant Bar), Birmingham, Ala.
Crucible Steel Co. of America (Crucible & Open Hearth Merchant Bar & Hammered & Rolled Tool Steel), Oliver bldg, Pittsburgh, Pa.
Elyria Iron & Steel Co., 232 E 131st, Cleveland, Ohio
Empire Rolling Mill Co. (Merchant Bar Steel), Bessemer & C. & P. Ry., Cleveland, O.
Erie Iron & Steel Co., Erie, Pa.
Falls Hollow Staybolt Co. (Staybolt), Cuyahoga Falls, O.
Firth-Sterling Steel Co. ("Blue Clip" Crucible Tool Steel), McKeesport, Pa.
Fort Wayne Iron Steel Rolling Mills, W Taylor, Fort Wayne, Ind.
Franklin Steel Works, Franklin, Pa.
Gulf States Steel Co. (Merchant Bars, Round and Square Edge Steel Tire, Flats, Round & Square), Birmingham, Ala.
Halcomb Steel Co. (High Grade Crucible Tool Steel & Rolled & Hammered Crucible & Electric Steel), Syracuse, N. Y.
Heller Bros Co., 870 Mt. Prospect av, Newark, N. J.
Highland Iron & Steel Co. (Merchant Bar), Terre Haute, Ind.
Illingworth Jno. Steel Co. (Hammered & Rolled Crucible Steel Bars; also Rerolled & Hammered Open Hearth Steel), Tacony & Lewis, Philadelphia, Pa.
Illinois Steel Co. (Merchant Bars, Bessemer & Open Hearth), 208 S La Salle, Chicago, Ill.
Industrial Steel Corp., 2704 Granview, Chicago
Inland Steel Co. (Merchant & Concrete Reinforcing), 38 S Dearborn, Chicago, Ill.
International High Speed Steel Co. ("Bulldog," "Bulldog Special," "International"), 143 Liberty, New York
Interstate Iron & Steel Co., 104 S Michigan av, Chicago, Ill.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
JANSON STEEL & IRON CO. (Rounds, Flats, Squares, etc.), Columbia, Pa.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Jones & Laughlin Steel Co. (Rounds, Squares, Ovals, Flats, Hexagons, etc), Ross, Pittsburgh, Pa.
Judson Mfg. Co. (Steel Bars), 819 Folsom, San Francisco, Cal.
Lackawanna Steel Co. (Open Hearth Merchant, Steel Bars, Rounds, Squares & Flats, for Car Builders, Agricultural Implements, Bolts, etc), Buffalo, N. Y.
Laclede Steel Co., Arcade bldg, St. Louis, Mo.
LARKIN J. K. & CO., 253 Broadway, New York *See adv index at end of book*
Latrobe Electric Steel Co., Latrobe, Pa.
Lebanon Valley Iron & Steel Co. (Open Hearth Rounds, Squares, Flats, etc), Lebanon, Pa.
Lockhart Iron & Steel Co. (Soft Steel in Bars), McKees Rocks, Pa.
Logan Iron & Steel Co. (Bessemer & Open Hearth Rounds, Flats, Squares, etc), St. Girard bldg., Phila , Pa.
Ludlum Steel Co. (Pure Carbon Crucible Tool Steel for Taps, Dies, Cutters, Reamers, Chisels, Drills, etc), Watervliet, N. Y.
McInnes Steel Co. (Ltd.), (Hammered Tool Steel, High Speed Steel & "Cello" Vanadium Oil Hardening Steel), Corry, Pa.
Midvale Co. (Carbon & Alloy), Nicetown, Phila., Pa.
Nicetown Plate Washer Co. (Medium Steel Bars), 1824 Juniata, Phila., Pa.
Ohio Falls Iron Co., New Albany, Ind.
Oliver Iron & Steel Co. (Rounds, Squares, Flats & Special Shapes), S 10th & Muriel, Pittsburgh, Pa.
Pacific Coast Steel Co. (Merchants Bars, etc.), Rialto bldg, San Francisco, Cal.
Pardee C. Works (Merchant Bars & Angles), Perth Amboy, N. J.
Philadelphia Steel & Forge Co. (Rolled & Hammered Steel Bars), 50 Church, New York. Works: Tacony, Phila., Pa.
Pittsburgh Crucible Steel Co. (⅝ to 2 inch Rounds, All Sizes Squares & Merchant Flats), Midland, Pa.
Pittsburgh-Des Moines Steel Co., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Pollak Steel Co., 386 W 71st, Carthage, Cincinnati, Ohio
Railway Steel Spring Co. (Open Hearth Flats, Rounds, Squares, etc), 30 Church, New York
REPUBLIC IRON & STEEL CO. (Soft & Hard Merchant Steel), Youngstown, O.
See Branch Offices Alphabetical Section
Rockaway Rolling Mill (Steel Bars), Rockaway, N. J.
Scott, Sugden & Lamont, Monadnock bldg., San Francisco, Cal.
Scullin Steel Co., 6700 Manchester, St. Louis, Mo.
Simonds Mfg. Co. (Electric Furnace), Lockport, N. Y.
Simonds Saw & Steel Co. (Electric Furnace), 470 Main, Fitchburg, Mass.
Southern California Iron & Steel Co., E 4th & Mateo, Los Angeles, Cal.
SWEETS STEEL CO., Williamsport, Pa.
Tacony Steel Co., Franklin bldg, Phila., Pa.
Tennessee Coal, Iron & Railroad Co. (Steel Bars), Birmingham, Ala.
Union Rolling Mill Co. (Soft Steel Bars), Aetna rd & E 82nd, Cleveland, O.
United Alloy Steel Corp. (Round, Flat & Square Steel), Canton, Ohio
Vulcan Crusible Steel Co. (Crucible & Open Hearth Rolled & Forged), Aliguippa, Pa.
Wisconsin Steel Co. (U & T), 606 S Michigan, Chicago, Ill.
Youngstown Sheet & Tube Co., Youngstown, Ohio

14201a— Steel Bars

See also Steel Bar Mills

Anglo-Saxon Supply Co. Inc. (Dirs.), 290 Pearl, New York
Buffalo Bolt Co., N. Tonawanda, N. Y.
Carbon Steel Co. (Alloys & Molybdenum), Dept H, Ft. 32nd, Pittsburgh, Pa.
Central Steel Co., Dept. H, Massillon, O.
Fishel & Marks Co., ft of Krakaw av, Cleveland, O. *See adv index at end of book*
Fort Wayne Iron Steel Rolling Mills, W. Taylor, Fort Wayne, Ind.
Grand Lakes Products Co., Inc., 431 S Dearborn, Chicago, Ill.
HARRISBURG PIPE & PIPE BENDING CO., Herr St. nr. 10th, Harrisburg, Pa.
Harvey Arthur C. Co., 506 Cambridge, Allston dist., Boston, Mass.
Hess Steel Corp. (Electric), Loney's la & Briddle, Baltimore, Md.
Ind. Rolling Mill Co. (Forging), New Castle, Ind.
Interstate Iron & Steel Co., 104H S. Michigan av, Chicago, Ill.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
Kaufman E. & Co., Inc. (Forging), 143 Liberty, New York
Laclede Steel Co., Arcade bldg, St. Louis, Mo.

(Continued on following page)

"Standard Gauge" Steels

Cold Drawn Screw Stock
Shafting, Squares, Flats, Hexagons and Other Shapes

MACHINE RACK CRANKSHAFTS WOODRUFF KEYS
TAPER PINS MACHINE KEYS ELEVATOR GUIDES

With exceptional facilities, vast stocks and a large, systematic organization, we are able to offer extremely high grade production and unusual service, regardless of your requirements.

Standard Gauge Steel Co.

30 Years' Reputation for Quality and Service

District Offices: Chicago, Boston, New York City and San Francisco.
Representatives: Edgcomb Steel Co., Philadelphia, Pa.; Steel Sales Corp., Detroit, Mich.; P. C. Abbott & Co., Richmond, Va.; McKee-Oliver, Inc., Pittsburgh, Pa.; Brace, Mueller & Huntley, Inc., Syracuse, N. Y., and Buffalo, N. Y.

Beaver Falls, · · · · · Penna.

Steel Bars—Continued

LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book

J. K. LARKIN & CO.

253 Broadway NEW YORK

Midvale Co. (Carbon & Alloy), Nicetown, Phila., Pa.
Pacific Coast Steel Co., Rialto bldg., San Francisco, Cal.
Pollak Steel Co. The, 386 W 71st, Carthage, Cincinnati, O.
Potts Horace T. & Co., Erie & D, Phila., Pa.
RYERSON JOS. T. & SON, INC. (Merchant), 2558 W 16th, Chicago, Ill.
See adv index at end of book
Taylor N. & G. Co., Mariner & Merchants bldg, Phila., Pa.
Van Winkle H. L. Co. (Imp.), 160H Beale, San Francisco, Cal.

14202—Steel Bars (Chrome Nickel)

Andrews Steel Co., Newport, Ky.
Atlas Steel Corp., Dunkirk, N. Y.
Bourne **Fuller Co., Hanna bldg.,** Cleveland, Ohio
Carbon Steel Co., ft. 32nd, Pittsburgh, Pa.
Carpenter Steel Co., River rd & Exeter, Reading, Pa.
Central Steel Co. ("Agathon" Bars, Billets & Slabs) Massillon, O.
Colonial **Steel Co.,** 324 4th av, Pittsburgh, Pa.
Crowley John A. Co., 120 Liberty, New York
Donner Steel Co., Inc., 475 Abbott rd, Buffalo, N. Y.
Duke Steel Co. Inc., 191 Pearl, New York
Halcomb Steel Co., Syracuse, N. Y.
Hammond & Irving, Auburn, N. Y.
Harvey Arthur C. Co., 506 Cambridge, Allston dist., Boston, Mass.
HAWKRIDGE BROS. CO., 303 Congress, Boston, Mass. *See adv index at end of book*
Heller Bros. Co., 870 Mt. Prospect av, Newark, N. J.
Interstate Iron & Steel Co., 104H S. Michigan av, Chicago, Ill.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Kaufman E. & Co., Inc., 143 Liberty, New York
Laclede Steel Co., Arcade bldg., St. Louis, Mo.
Lancaster Steel Products Co., Lancaster, Pa.
Poldi Steel Corp. of Am., 115 B'way, New York
Smith David H. & Sons, foot of 51st, Brooklyn, N. Y.
See adv index at end of book
United Alloy Steel Corp. ("Tusco"), Canton, Ohio
Wheelock Lovejoy & Co., Inc., 150 Nassau, New York

14203—Steel Bars (Finished)

See also Shafting, Polished Steel

Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
Duke Steel Co. Inc., 191 Pearl, New York
Erie Iron & Steel Co., Erie, Pa.
Fishel & Marks Co., Ft. of Krakow av, Cleveland, O.
See adv index at end of book
FITZSIMONS CO. THE, Youngstown, O.
See adv index at end of book
Franklin Steel Works, Franklin, Pa.
Heller Bros. Co., 870 Mt. Prospect av, Newark, N. J.
Interstate Iron & Steel Co., 104H S. Michigan av, Chicago, Ill.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Judson Mfg. Co., 319 Folsom, San Francisco, Cal.
Lancaster Steel Products Co., Lancaster, Pa.
Pacific Coast Steel Co., Rialto bldg., San Francisco, Cal.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill.
See adv index at end of book
Smith David H. & Sons, foot of 51st, Brooklyn, N. Y.
See adv index at end of book
Standard Gauge Steel Co. (Rounds, Squares, Flat, Hexagon & Finished Shapes), Beaver Falls, Pa.
See adv index at end of book

Steel Bars for Reinforced Concrete

See Concrete Reinforcing Bars, Iron & Steel; also Concrete Reinforcing Materials

14204—Steel Bars (Nickel)

Atlas Steel Corp., Dunkirk, N. Y.
Boker H. & Co., Inc. ("Novo Superior", "Intra", "Gibraltar"), 101 Duane, New York
Bourne Fuller Co., Hanna bldg., Cleveland, Ohio
Carbon Steel Co., ft. 32nd, Pittsburgh, Pa.
Central Steel Co. ("Agathon" Bars, Billets & Slabs) Massillon, O.
Colonial Steel Co., 324 Fourth av, Pittsburgh, Pa.
Crowley John A. Co., 120 Liberty, New York
Donner Steel Co., Inc., 475 Abbott rd, Buffalo, N. Y.
Duke Steel Co. Inc., 191 Pearl, New York
Halcomb Steel Co., Syracuse, N. Y.
Hammond & Irving, Auburn, N. Y.
Harvey Arthur C. Co., 506 Cambridge, Allston dist., Boston, Mass.
Heller Bros Co., 870 Mt. Prospect av, Newark, N. J.
Interstate Iron & Steel Co., 104H S Michigan av, Chicago, Ill.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Kaufman E. & Co., Inc., 143 Liberty, New York
Laclede Steel Co., Arcade bldg, St. Louis, Mo.
Lancaster Steel Products Co., Lancaster, Pa.
United Alloy Steel Corp., Canton, O.

14205—Steel Bars (Vanadium)

Atlas Steel Corp., Dunkirk, N. Y.
Bethlehem Steel Co. (Open Hearth), S Bethlehem, Pa.
Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
Carbon Steel Co., Dept H, Ft. 32d, Pittsburgh, Pa.
Carnegie Steel Co. (Open Hearth), Carnegie bldg, Pittsburgh, Pa.
Carpenter Steel Co. (Crucible), Reading, Pa.
Central Steel Co. ("Agathon" Bars, Billets & Slabs), Massillon, O.
Colonial Steel Co., 324 4th av, Pittsburgh, Pa.
Crowley John A. Co., 120 Liberty, New York
Crucible Steel Co. of America (Crucible & open Hearth), Oliver bldg, Pittsburgh, Pa.
Donner Steel Co., Inc., 475 Abbott rd, Buffalo, N. Y.
Duke Steel Co. Inc., 191 Pearl, New York
Fairley-Davidson Steel Co., 122 Maiden la, New York
Firth-Sterling Steel Co. (Crucible), McKeesport, Pa.
Halcomb Steel Co. (Crucible & Electric Furnace), Syracuse, N. Y.
Hammond & Irving, Auburn, N. Y.
Harvey Arthur C. Co., 506 Cambridge, Allston dist., Boston, Mass.
Hawkridge Bros. Co., 303 Congress, Boston, Mass.
See adv index at end of book
Heller Bros Co., 870 Mt. Prospect av, Newark, N. J.
International High Speed Steel Co., 99 Nassau, New York
Interstate Iron & Steel Co., 104H S. Michigan av, Chicago, Ill.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Kaufman E. & Co., Inc., 143 Liberty, New York
Laclede Steel Co., Arcade bldg, St. Louis, Mo.
Lancaster Steel Products Corp., Lancaster, Pa.
Latrobe Electric Steel Co., Latrobe, Pa.
United Alloy Steel Corp. (Electric & Open Hearth), Canton, O.
Vanadium-Alloys Steel Co. (Crucible), Latrobe, Pa.
Vulcan Crucible Steel Co. (Crucible & Acid Open Hearth), Aliquippa, Pa.

Steel Beams

See Steel Structural Mills

14206—Steel Bedstead Angles

See also Steel Structural Mills; also Tubing, Various Kinds

Bourne Fuller Co., Hanna bldg., Cleveland, O.
Buffalo Steel Co. (Bessemer Steel), Tonawanda, N. Y.
Calumet Steel Co., 208 S La Salle, Chicago, Ill.
Franklin Steel Works, Franklin, Pa.
Inland Steel Co., 38 S Dearborn, Chicago, Ill.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Laclede Steel Co., Arcade bldg, St. Louis, Mo.
Marks & Fiske, 2507 24th, Detroit, Mich.
Pacific Coast Steel Co., Rialto bldg, San Francisco, Cal.
SWEETS STEEL CO., Williamsport, Pa.

Steel Billets & Blooms

See Billets, Blooms & Slabs, Steel

Steel Boiler & Tank Plate

See Iron & Steel Boiler & Tank Plate

14207— Steel Bridge Plate

American Bridge Co. (Open Hearth), 30 Church, New York
Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
Carbon Steel Co. (Open Hearth), ft. 32nd, Pittsburgh, Pa.
Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
Central Iron & Steel Co., Harrisburg, Pa.
Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.
Glasgow Iron Co. (Open Hearth Steel; also Iron), Pottstown, Pa.

Union Drawn Steels

Cold Drawn and Turned and Polished Steel. Shafting. Free Cutting Screw Steel. Rounds, Squares, Flats, Hexagons, Special Shapes. Pump and Piston Rod. Axles. Needle Bar Stock. Bright Bessemer, Open Hearth, Alloy and Electric Steels.

For Special Work in Wide Range of Analyses: Nickel Steels, Chrome-Nickel Steels, Chrome-Vanadium Steels, Chromium Steels, Vanadium Steels.

Union Drawn Steel Co., Beaver Falls, Pa.

BRANCH OFFICES and WAREHOUSES: Cincinnati, New York, Philadelphia, Cleveland, Detroit, Boston, Buffalo, Chicago

MILLS: Beaver Falls, Pa. Gary, Ind.

MILTON PRAY CO., Los Angeles, San Francisco, Seattle

Illinois Steel Co., 208 S La Salle, Chicago, Ill.
INLAND STEEL CO., 38 S Dearborn, Chicago, Ill.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Jones & Laughlin Steel Co., Ross, Pittsburgh, Pa.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Lukens Steel Co. (Open Hearth), Coatesville, Pa.
Maryland Steel Co., Sparrows Point, Md.
Republic Iron & Steel Co., Youngstown, O.
See Branch Offices Alphabetical Section

14207a— Steel Cabinets

See also Cabinets (Steel)

DURABILT STEEL LOCKER CO., Aurora, Ill.
See adv index at end of book

14207b— Steel Chimneys

Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Graver Corp., 4020 Todd av, E Chicago, Ill.
See adv index at end of book
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Littleford Bros., 444 E Pearl, Cincinnati, Ohio. *See adv index at end of book*

14208— Steel (Cold Drawn)

Aero Wks. Inc., 136 Liberty, New York
AMERICAN STEEL & WIRE CO., (In All Shapes, 208 S La Salle, Chicago, Ill.
See adv index at end of book
Atlas Steel Corp. (Drill Rod, High Steel & Carbon), Dunkirk, N. Y.
Balfour Arthur Steel Co., Inc. (Mfrs. Agts.), 287 Atlantic av, Boston, Mass.
Bethlehem Steel Co., Bethlehem, Pa.
Carbon Steel Co. (Alloys), Dept H, Ft. 32nd, Pittsburgh, Pa.
Carpenter Steel Co. (Crucible Steel & Wires), Reading, Pa.
Columbia Steel & Shafting Co. (Drawn, Polished Squares, Flats & Shapes, Hexagons, Etc.), Carnegie, Pa.
Compressed Steel Shafting Co., Readville, Mass.
Crowley John A. Co., 120 Liberty, New York
Crucible Steel Co. of America (Crucible, **Bright Drawn), Oliver bldg, Pittsburgh, Pa.**
Disston Hy. & Sons, Tacony, Phila., Pa.
Duke Steel Co., Inc., 191 Pearl, New York
Fisher C. W., 52H Broadway, New York
FITZSIMONS CO. THE, Youngstown, O.
See adv index at end of book
Frasse Peter A. & Co., Inc., 417 Canal, New York. Works: Hartford, Conn.
Halcomb Steel Co. (Crucible & Electric), Syracuse, N. Y.
Harvey Arthur C. Co., 506 Cambridge, Allston dist., Boston, Mass.
HAWKRIDGE BROS. CO., 303 Congress, Boston, Mass. *See adv index at end of book*
Hercules Electric Steel Corp., 145 Lafayette, New York
Industrial Steel & Brass Corp., 602 W Lake, Chicago, Ill.
Interstate Iron & Steel Co., 104H S Michigan av, Chicago, Ill.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Johnson Frank H., 208 S La Salle, Chicago, Ill.
Jones & Laughlin Steel Co. (Rounds, Squares, Hexagons, Flats, Angles, **Zees, etc.), Ross, Pittsburgh, Pa.**
Kaufman E. & Co., 143 Liberty, New York
Kidd Drawn Steel Co. (Free Cutting Screw, etc), Aliquippa, Pa.
Lancaster Steel Products Corp. (Rounds, Squares, Drill Rods & Shapes), Lancaster, Pa.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Livermore Homer F., Inc., 85 Pearl, Boston, Mass.
Ludlum Steel Co., Watervliet, N. Y.
Moltrup Steel Products Co., 127H N Peroid, Beaver Falls, Pa.
National Drawn Steel Co. (Rounds, Hexagons, Squares, Flats & Special S in Free Cutting Bessemer Screw Stock), East Liverpool, O.
New England Drawn Steel Co., Mansfield, Mass.
Newman C. Wire Co., 25 Church, New York
Pardee C. Works (Finished Shapes, Rounds, Squares, Hexagon & Flats, Turned & Polished Shafting), Perth Amboy, N. J.
Peerless Drawn Steel Co. (Rounds, Hexagons, Squares & Flats), Massillon, O.
Pittsburgh Shafting Co., of Detroit (Die Drawing, Nickel, etc), 346 W Fort, Detroit, Mich.
Pittsburgh Tool Steel Wire Co. (Tool for Twist Drills, Taps, etc), Monaca, Pa.
Republic Iron & Steel Co. (Piston & Pump Rods, Lead, Screws, Fine Machine Rods, Line Shafting, etc), Youngstown, O.
See Branch Offices Alphabetical Section
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Smith David H. & Sons, foot of 51st, Brooklyn, N. Y.
See adv index at end of book
STANDARD GAUGE STEEL CO., Beaver Falls, Pa.
See adv index at end of book
Standard Steel & Wire Co. (Rounds), 1408 Cortland, Chicago, Ill.
Steel Sales Corp. (Nickel), Jefferson & Adams, Chicago, Ill.
Swedish Steel Sales Co., Suite 1420, Grand Central Terminal bldg, New York
Tacony Steel Co., Tacony, Phila., Pa.
TOWNSEND CO. (Rounds, Flats, Squares, Hexagons & Shapes), New Brighton, Pa.
See adv index at end of book
UNION DRAWN STEEL CO. (Rounds, Flats, Squares, Hexagons & Shapes), Beaver Falls, Pa.
See adv index at end of book
United Alloy Steel Corp. (Alloy Steel Bars, Open Hearth, & Electric Furnace), Canton, Ohio
Ward's Edgar T. Sons Co. ("Ward"), 394 Frelinghuysen av, Newark, N. J.
WETHERELL BROS. CO. ("Fitzsimons"), 251 Albany, Cambridge, Mass.
See adv index at end of book
Wyckoff Drawn Steel Co., Frick bldg., Pittsburgh, Pa.

COLD DRAWN STEEL

Carbon and Alloy

To All Standard S. A. E. Specifications

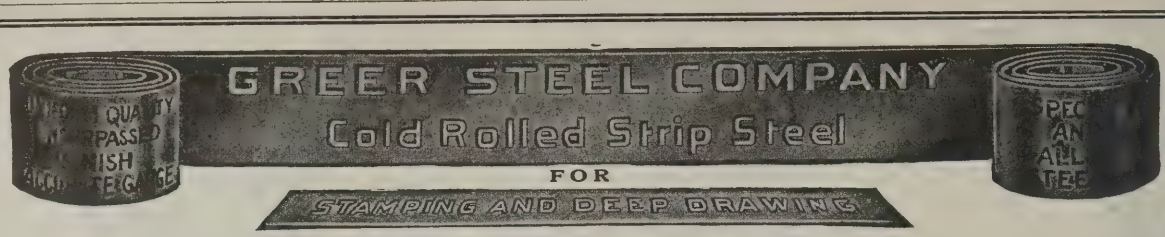
Rounds, Squares, Hexagons, Flats

OUR SPECIALTY

"Eclipse" Quality Steel for Automatic Screw Machines

THE FITZSIMONS COMPANY Youngstown, Ohio

"A Good Concern To Do Business With"



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Cincinnati, O.—P. O. Box 382

Detroit, Mich.—12th St. Terminal Bldgs.

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Twelfth Street Terminal Buildings, Detroit, Mich.
UNION IRON & STEEL COMPANY
Cincinnati, Ohio
STANDARD STEEL & WIRE COMPANY
1408 Cortland St., Chicago, Ill.

Representatives:

J. E. G. COXWELL, 40 Central St., Boston, Mass.
F. C. GIEBEL, 52 Vanderbilt Ave., New York.

14209—Steel (Cold Drawn Shapes)

Atlas Steel Corp., Dunkirk, N. Y.

Boston Pressed Metal Co., 170 Union, Worcester, Mass.

Central Metal Products Co. ("C. M. P."), Canton, Ohio

DAHLSTROM METALLIC DOOR CO. (Including Angles, Channels & Z Bars, Castings & Cap Mouldings on the Cold Drawn Process, Cut to Specified Lengths & Bent Any Desired Shape), 413 Buffalo, Jamestown, N. Y.
See adv index at end of book

Duke Steel Co. Inc., 191 Pearl, New York

FITZSIMONS CO., THE, Youngstown, O.
See adv index at end of book

Hawkridge Bros. Co., 303 Congress, Boston, Mass. *See adv index at end of book*

Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.

Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book

Lancaster Steel Products Corp., Lancaster, Pa.

Livermore Homer F., Inc., 85 Pearl, Boston, Mass.

Moltrup Steel Products Co., 127H N Peroid, Beaver Falls, Pa.

Peerless Drawn Steel Co. (Special Sections, Alloy Steels), Massillon, O.

Rathbone A. B. & J., Palmer, Mass.

Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill.
See adv index at end of book

Standard Gauge Steel Co., Beaver Falls, Pa. *See adv index at end of book*

Townsend Co., New Brighton, Pa.
See adv index at end of book

Ward's Edgar T. Sons Co. ("Ward"), 394 Freylinghuysen av, Newark, N. J.

14210—Steel (Cold Drawn Vanadium)

Carbon Steel Co., ft. 32nd, Pittsburgh, Pa.

Crowley John A. Co., 120 Liberty, New York

Crucible Steel Co. of America (Cold Rolled & Drawn), Oliver bldg, Pittsburgh, Pa.

Duke Steel Co. Inc. (Steel), 191 Pearl, New York

FITZSIMONS CO., THE, Youngstown, O.
See adv index at end of book

HALCOMB STEEL CO., Syracuse, N. Y.
See adv index at end of book

Harvey Arthur C. Co., 506 Cambridge, Allston dist., Boston, Mass.

Hawkridge Bros. Co., 303 Congress, Boston, Mass.
See adv index at end of book

Interstate Iron & Steel Co., 104H S. Michigan av, Chicago, Ill.

Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book

Lancaster Steel Products Corp., Lancaster, Pa.

Union Drawn Steel Co. (Cold Drawn, Bars, Flats, Rounds, Squares & Hexagons), Beaver Falls, Pa.
See adv index at end of book

United Alloy Steel Corp., Canton, O.

14211—Steel (Cold Rolled)

Acme Steel Goods Co. (Light-Hoop, Pickled & Oiled or Cold Rolled, Large Coils), 2834 Archer av, Chicago, Ill.

Aero Wks., Inc. (Band Saw Steel), 136 Liberty, New York

Allegheny Steel Co. (Pickled & Cold Rolled Steel Sheets), Oliver bldg, Pittsburgh, Pa.

American Sheet & Tin Plate Co. (Sheet), Frick bldg., Pittsburgh, Pa.

AMERICAN STEEL & WIRE CO. (Flat Wire, etc.), 208 La Salle, Chicago, Ill.
See adv index at end of book

American Tube & Stamping Co. (Hoops, Bands, Strips & Sheets), Bridgeport, Conn.

Ashtabula Steel Co., Ashtabula, Ohio

Athenia Steel Co., 135 William, New York

BARNES THE WALLACE CO. ("Barnes-Made" High Carbon Spring), 18 Wallace, Bristol, Conn.
See adv index at end of book

Brier Hill Steel Co. (Open Hearth Steel Sheets), Youngstown, O.

Carpenter Steel Co. (Crucible Steels & Wires), Reading, Pa.

Columbia Steel Co. (Polished Sheets, Bars, Strips, etc.), Elyria, Ohio

Compressed Steel Shafting Co., H, Hyde Park av, Readville, Mass.

Crowley John A. Co., 120 Liberty, New York

Crucible Steel Co. of America (Crucible, Flats, etc), Oliver bldg, Pittsburgh, Pa.

Cumberland Steel Co. (Flats, Squares & Hexagons), Cumberland, Md.

Fisher C. W., 52H Broadway, New York

Fulton Fdry Co., 1209 Marquette av, Cleveland, O.

GREER STEEL CO. (Cold rolled strip for stamping & deep drawing), Dover, O.
See adv index at end of book

Griffin Mfg. Co., Erie, Pa.

Halcomb Steel Co. (Cold Crucible), Syracuse, N. Y.

Haring Ellsworth ("Elhar" To Temper), 114 Liberty, New York

Harvey Arthur C. Co., 506 Cambridge, Allston dist., Boston, Mass.

HAWKRIDGE BROS. CO., 303 Congress, Boston, Mass. *See adv index at end of book*

Illingsworth Jno. Steel Co. (Shapes & Bevels), Tacony & Lewis, Philadelphia, Pa. Works: Reading, Pa.

Industrial Steel Corp., 2704 Granview, Chicago

Inland Steel Co. (Basic Open Hearth Sheets), 38 S Dearborn, Chicago, Ill.

Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.

Jones & Laughlin Steel Co. (Hexagons, Squares, Flats, Bars, Rods, etc), Ross, Pittsburgh, Pa.

Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book

Kidd Drawn Steel Co. (Flats), Aliquippa, Pa.

LARKIN J. K. & CO., 253 Broadway, New York *See adv index at end of book*

Livermore Homer F., Inc., 85 Pearl, Boston, Mass.

Mansfield Sheet & Tin Plate Co. (The), Mansfield, Ohio

Massillon Rolling Mill Co., Massillon, O.

Newman C. Wire Co., 25 Church, New York

Newton Steel Co. (Sheets), Steinbougn bldg, Youngstown, O.

Otis Steel Co. (Sheets), Riverside Plant, Cleveland, O.

Parkersburg Iron & Steel Co. ("National" Bessemer Sheets), Parkersburg, W. Va.

Paterson-Leitch Co., 936 E 67th, Cleveland, O.

Pittsburgh Cold Rolled Steel Co., Plum, Verona, Pa.

Pittsburgh Shafting Co. of Detroit, 346 W Fort, Detroit, Mich.

Potts Horace T. & Co., Erie & D, Phila., Pa.

Rathbone A. B. & J., Palmer, Mass.

Republic Iron & Steel Co. (Rounds), Youngstown, O.
See Branch Offices Alphabetical Section

RYERSON JOS. T. & SON, INC., 2558 W 16th, Chicago, Ill.
See adv index at end of book

Schwartz Herrmann, 121 Nassau, New York

Smith David H. & Sons, foot of 51st, Brooklyn, N. Y.
See adv index at end of book

Standard Gauge Steel Co., Beaver Falls, Pa. *See adv index at end of book*

Standard Steel & Wire Co., 1408 Cortland, Chicago, Ill.

Strong Homer, Rochester, N. Y.

Superior Steel Co. (For Stamping, Drawing, etc.), 529H Union arcade, Pittsburgh, Pa.

Townsend Co., New Brighton, Pa.
See adv index at end of book

Union Drawn Steel Co. (Rounds, Flats, Squares, Hexagons, Sheets & Shapes, Bessemer, Open Hearth, Crucible, Cold Die Rolled Steel), Beaver Falls, Pa.
See adv index at end of book

United Alloy Steel Corp., Canton, Ohio

U. S. Steel & Wire Co. (Strip), 773 Broad, Newark, N. J.

Ward's Edgar T. Sons Co. ("Ward"), 394 Freylinghuysen av, Newark, N. J.

Washburn Wire Co. (Rounds, Squares & Flats), Phillipsdale, R. I.

West Leechburg Steel Co. (Hot & Cold Rolled Strip), Farmers' Bank bldg, Pittsburgh, Pa. Works: Leechburg, Pa.

West Penn Steel Co. (Open Hearth Sheets), Brackenridge, Pa.

WETHERELL BROS. CO. ("Fitzsimons"), 251 Albany, Cambridge, Mass.
See adv index at end of book

Wheelock Lovejoy & Co., Inc. (Sheets, Hot & Cold Rolled, Sales Agents), 150 Nassau, New York

WORCESTER PRESSED STEEL CO., Worcester, Mass.
See adv index at end of book

Manufacturers of

STRIP STEEL

COLD ROLLED

Worcester Pressed Steel Co.

Worcester, Mass.

Branch Offices:

New York, Chicago, St. Louis, Detroit, Philadelphia

Youngstown Sheet & Tube Co., Youngstown, Ohio

14212—Steel (Cold Rolled Sheet & Strip)

American Tube & Stamping Co., 471 Hancock, Bridgeport, Conn.

Brainerd J. W. Steel Co., Warren, O.

Columbia Steel Co., Elyria, O.

Erie Metal Products Co., Erie, Pa.

Frasse Peter A. & Co. (Inc.), 417 Canal, New York

COLD ROLLED STRIP STEEL

Strips—Sheets—Plates For Stamping and Deep Drawing

Warehouse Stock at Cambridge

New England Agents for Morris & Bailey Steel Co.

WETHERELL BROS. CO. 251 Albany St., Cambridge, Mass.

Fulton Steel & Iron Co., Park bldg, Pittsburgh, Pa.

Industrial Steel Corp., 2704 Granview, Chicago

Industrial Steel & Brass Corp., 602 W Lake, Chicago, Ill.

Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.

Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book

Kaufman E. & Co., 143 Liberty, New York

LANCASTER STEEL PRODUCTS CORP., Lancaster, Pa.
See adv index at end of book

Marks & Fiske, 1316 Dime Bank bldg., Detroit, Mich.

National Pressed Steel Co., Massillon, O.

Newton Steel Co. (Sheets), Steinbough bldg, Youngstown, Ohio

Paterson-Leitch Co., 936 E 67th, Cleveland, O.

Potts H. T. & Co., Erie & D, Phila., Pa.

Scott, Sugden & Lamont, Monadnock bldg., San Francisco, Cal.

Smith David H. & Sons, foot of 51st, Brooklyn, N. Y.
See adv index at end of book

Ward's Edgar T. Sons Co. ("Ward"), 394 Freylinghuysen av, Newark, N. J.

Youngstown Sheet & Tube Co., Youngstown, Ohio

14213—Steel (Cold Rolled Strip)

Acme Steel Goods Co., 2834 Archer av, Chicago, Ill.

Aero Works, Inc., 136 Liberty, New York

American Steel Band Co., 886 Progress, Pittsburgh, Pa.

American Steel Co., Park bldg, Pittsburgh, Pa.

American Steel & Wire Co., 208 S La Salle, Chicago, Ill. *See adv index at end of book*

American Tube & Stamping Co., Bridgeport, Conn.

Athenia Steel Co., 135 William, New York

Balfour Arthur Steel Co., Inc. (Mfrs.' Agts.), 287 Atlantic av, Boston, Mass.

Carpenter Steel Co., River rd & Exeter, Reading, Pa.

Columbia Steel Co. (Flats in Widths From ½ to 20 inches; In All Gauges From Very Thin to 3-8th inch thick), Elyria, O.

Crosby J. D. Co. (Flat), Dept. H, Dean & Farrel, Pawtucket, R. I.

Crowley John A. Co., 120 Liberty, New York

Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.

Disston Henry & Sons, Tacony, Phila., Pa.

Driver-Harris Co., Harrison, N. J.
See adv index at end of book

Elliott-Blair Steel Co. (Fine Bright Dead Soft for Sewing Machines, Typewriter, Bicycle Parts, etc), New Castle, Pa.

Elyria Iron & Steel Co., 232 E 131st, Cleveland, Ohio

Fishel & Marks Co., Ft. of Krakow av, Cleveland, O.
See adv index at end of book

GREER STEEL CO. (for stamping & deep drawing), Dover, O.
See adv index at end of book

Griffin Mfg. Co., Erie, Pa.

Harvey Arthur C. Co., 506 Cambridge, Allston dist., Boston, Mass.

HAWKRIDGE BROS. CO., 303 Congress, Boston, Mass. *See adv index at end of book*

Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book

La Salle Steel Co., S Halsted & 23rd, Chicago, Ill.

Laclede Steel Co., Arcade bldg, St. Louis, Mo.

Lancaster Steel Products Corp., Lancaster, Pa.

LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book

Livermore Homer F. Inc., 85 Pearl, Boston, Mass.

Morris & Bailey Steel Co., P. O. Box 932, Pittsburgh, Pa.

National Sales & Trading Co., Cleveland, O.

Newman C. Wire Co., 25 Church, New York

Paterson-Leitch Co., 936 E 67th, Cleveland, Ohio

Pittsburgh Cold Rolled Steel Co., Plum, Verona, Pa.

Pittsburgh Shafting Co., of Detroit, 346 W Fort, Detroit, Mich.

RYERSON JOS. T. & SON, INC., 2558 W 16th, Chicago, Ill.
See adv index at end of book

Schrock & Squires (Merchts), 293 Pearl, New York

Sheet Metal Mfg. Co. (The), Box 508, Youngstown, O.

Standard Steel & Wire Co., 1408 Cortland, Chicago, Ill.

Stanford Steel Products Co., Milford, Conn.

Stanley Works (For Deep Drawing, Bending & Blanking), New Britain, Conn.

Superior Steel Co. (For Stamping & Drawing, etc.), 529H Union Arcade, Pittsburgh, Pa.

TICE-TINSLEY STEEL CO. (THE) (Seconds), Terminal bldg, Youngstown, O.

Trumbull Steel Co., Warren, O.

U. S. Steel & Wire Co., 773 Broad, Newark, N. J.

Ward's Edgar T. Sons Co. ("Ward"), 394 Freilinghuysen av, Newark, N. J.

Weirton Steel Co., (¾" to 16" any length) Weirton, W. Va.

West Leechburg Steel Co. (For Blanking, Stamping & Drawing), Farmers' Bank bldg, Pittsburgh, Pa.

WETHERELL BROS. CO. ("Morris & "Bailey"), 251 Albany, Cambridge, **Mass.** *See adv index at end of book*

Wheelock Lovejoy & Co. (For Blanking & Drawing, Sales Agents), 140 Nassau, New York

WICKWIRE SPENCER STEEL CORP., Worcester, Mass.
See adv index at end of book

WORCESTER PRESSED STEEL CO., Worcester, Mass.
See adv index at end of book

COLD ROLLED

STRIP STEEL

Special Analysis

Worcester Pressed Steel Co.

Worcester, Mass.

Branch Offices:

New York, Chicago, St. Louis, Detroit, Philadelphia

Zeigler Mfg. Co., Alexandria, Ind.

14213a—Steel (Cold Rolled Strip Flat Wire)

American Steel Band Co., 886 Progress, Pittsburgh, Pa.

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book

American Steel Co., Park bldg., Pittsburgh, Pa.

Elliott Blair Steel Co., Dept H, New Castle, Pa.

Iron Trade Products Co., Farmers Bank bldg., Pittsburgh, Pa.

Laclede Steel Co., Arcade bldg, St. Louis, Mo.

Lancaster Steel Products Corp., Lancaster, Pa.

LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book

Ward's Edgar T. Sons Co. ("Ward"), 394 Frelinghuysen av, Newark, N. J.

14214— Steel (Copper Clad)

DAHLSTROM METALLIC DOOR CO. (Hollow Metal Booths), 413 Buffalo, Jamestown, N. Y.

Standard Underground Cable Co., 17th & Pike, Pittsburgh, Pa.

Wheeling Corrugating Co. ("Wheeling Corco"), Wheeling, W. Va.

Steel (Corrugated)

See Iron & Steel, Corrugated

14215— Steel (Crucible)

For Crucible Steel Castings, see Castings, Steel, with the Word Crucible Following Their Name

Aero Works, Inc. (Band Saw Steel), 136 Liberty, New York

Allen Edgar & Co., Ltd., 713 W Lake, Chicago, Ill.

Atlas Steel Corp. ("L. X. X." High Speed Steel, "Atlas" Tampering Steels in Squares, Rounds, Flats, Octagons, Hexagons, etc., for Tools, Drills, Lathes, Dies, etc.), Dunkirk, N. Y.

Balfour Arthur Steel Co., Inc. (Mfrs.' Agts.), 287 Atlantic av, Boston, Mass.

Bethlehem Steel Co. (Forgings, Self-Hardening & Carbon Tool Steel Billets, Shafting, Engine Cranks, Forged Armor Plate, etc), South Bethlehem, Pa.

Bourne Fuller Co., Hanna bldg., Cleveland, Ohio

Braeburn Steel Co. (Bar & Tools, Rolled & Forged), Braeburn, Pa.

Brown & Co. (Tool Steel), 10th & Duquesne way, Pittsburgh, Pa.

Central Steel Co. ("Agathon" Bars, Billets & Slabs), Massillon, O.

Chrome Steel Works (Chrome Steel Plates, Angles, Bars, etc), Chrome, N. J.

Colonial Steel Co. ("Colonial" High Speed, Carbon & Special Steel Tools of All Kinds Hammered & Rolled Bars, Plates, Sheets, Forgings, etc), 324 4th av, Pittsburgh, Pa.

Columbia Tool Steel Co. (Rolled & Hammered), 552 W Lake, Chicago, Heights, Ill.

Crucible Steel Co. of America (Hammered & Rolled Tool, Die, Agricultural, Plow, Saw, Spring, Cutlery, Plate, Cold Drawn Sheet, Shear Steel & Finest Quality of Tool Steel), Oliver bldg, Pittsburgh, Pa.

Cyclops Steel Co. (High Speed & Carbon, 120 B'way, New York

Disston Henry & Sons (Bar Tool, Cold Roll Bands, Engravers Plates, Flat Wire & Special Steel), Tacony, Phila., Pa.

Duke Steel Co., Inc., 191 Pearl, New York

Firth-Sterling Steel Co. ("Blue Chip" Fine Tool Steel), McKeesport, Pa.

Fisher C. W., 52H B'way, New York

Frasse Peter A. & Co. (Inc.) (High Speed Tool Steel), 417 Canal, New York. Works: Hartford, Conn.

Halcomb Steel Co. ("Ketos," Finest Quality of Tool Steel, Hammered & Rolled Bars, Sheets & Forgings), Syracuse, N. Y.

Hammond & Irving, Auburn, N. Y.

Harvey Arthur C. Co., 506 Cambridge, Allston dist., Boston, Mass.

HAWKRIDGE BROS. CO., ("Hawk," "Hawk H," "Hawk Special," "Hawk Header Die," "Hawk Vanadium," "Hawk Alloy Striking Die," "Hawk Silverware Striking Die," "Kitos," "Standard,") 303 Congress, Boston, Mass. *See adv index at end of book*

(Continued on following page)

Steel (Crucible)—Continued

Heller Bros. Co. (Clay Crucible Cast Steel), 879 Mt. Prospect av, Newark, N. J.

Illingsworth Jno. Steel Co. (Hammered & Rolled Bars & Sheets for Tools, Saws, Knives, Files, etc), Tacony & Lewis, Phila., Pa.

Imperial Steel Range Co. (Nickel, Chrome & Tungsten Machinery Steel), 2900 Detroit av, Cleveland, O.

Ind. Rolling Mill Co., New Castle, Ind.

Jessop Steel Co. (Sheet & Saw Steel, etc.), 91 John, New York. Works: Washington, Pa.

Jessop Wm. & Sons (Inc.) ("Jessop's" Best Carbon Tool), 91 John, New York

Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book

Ludlum Steel Co. (Electric), Watervliet, N. Y.

McInnes Steel Co. (Ltd.) ("McInnes" Crucible Tool Steel, High & Speed & "Cello" Vanadium, Oil Hardening Steel), Corry, Pa.

Perkins Steel Co., Inc. ("Perco" Automobile Tool Nickel & Chrome Nickel), 145 Liberty, New York

Poldi Steel Corp. of Am., 115 B'way, New York

Potts Horace T. & Co., Erie & D, Phila., Pa.

Rossell Hy. ("Victory," Tool Steel Made in England), 24 S Jefferson, Chicago, Ill.

Simonds Mfg. Co. (Saw Plate & Sheet), Lockport, N. Y.

Simonds Saw & Steel Co. (Saw, Plate & Sheet), 470 Main, Fitchburg, Mass.

Steel Sales Corp., 19 S. Jefferson, Chicago, Ill.

Swedish Steel Sales Co., Suite 1420, Grand Central Terminal bldg, New York

Vulcan Crucible Steel Co. (High Grade Tool & Rolled & Forged Products), Aliquippa, Pa.

Wardlow S. & C., 278 Pearl, New York

Ward's Edgar T. Sons Co. ("Ward"), 394 Freylinghuysen av, Newark, N. J.

Wetherell Bros. Co., 251 Albany, Cambridge, Mass. *See adv index at end of book*

Woodward Wight & Co., Ltd. ("Strength & Wear"), Howard av & Constance, New Orleans, La.

Wyoming Shovel Wks., Wyoming, Pa.

14216— Steel (Crushed)

(For Sawing, Grinding & Polishing Granite, Stone, Glass, Brick, etc.

Harrison Supply Co., 209 Washington, Boston, Mass.

Pittsburgh Crushed Steel Co. ("Diamond"), Dept H, A. V. RR. & 61st, Pittsburgh, Pa.

14216a— Steel (Cutlery)

Aero Works, Inc., 136 Liberty, New York

American Stainless Steel Co., Oliver bldg, Pittsburgh, Pa.

Atlas Steel Corp., Dunkirk, N. Y.

Carbon Steel Co., Ft. 32nd, Pittsburgh, Pa.

Ludlum Steel Co. ("Neva Stain"), Watervliet, N. Y.

Swedish Steel Sales Co., Suite 1420, Grand Central Terminal bldg, New York

WETHERELL BROS. CO., 251 Albany, Cambridge, Mass.
See adv index at end of book

14216b— Steel (Drill)

Anglo-Saxon Supply Co. Inc. (Dirs.), 290 Pearl, New York

Bethlehem Steel Co., Bethlehem, Pa.

Bourne Fuller Co., Hanna bldg., Cleveland, Ohio

Colonial Steel Co., 324 4th av, Pittsburgh, Pa.

Duke Steel Co., Inc., 191 Pearl, New York

Federal Tool & Alloy Steel Corp. ("Acorn," "Federal," "Sisco"), 64 Rutledge, Bklyn., N. Y.

SWEDISH STEEL SALES CO., Suite 1420, Grand Central Terminal bldg, New York

14216c—Steel (Electric, Engine Bolt)

Old Dominion Iron & Steel Corp., Belle Isle, Richmond, Va.

14217—Steel (Electric Furnace)

Apollo Steel Co., Apollo, Pa.

Atlas Steel Corp. (For Magnets, Springs, Ball Bearing), Dunkirk, N. Y.

Bethlehem Steel Co., Bethlehem, Pa.

Blaw Knox Co. (& Acetylene Welded), Freeport rd, Hoboken, Pa.

Carbon Steel Co., Ft. 32nd, Pittsburgh, Pa.

Central Steel Co., Massilon, O.

Crowley John A. Co. ("Arrow"), 120 Liberty, New York

Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.

Driver-Harris Co., Harrison, N. J.

Duke Steel Co., Inc., 191 Pearl, New York

Electric Steel Co., W 31st & S Wood, Chicago, Ill.

Electro Steel Co., Curry bldg, Pittsburgh, Pa.

Halcomb Steel Co., Syracuse, N. Y.

HAWKRIDGE BROS. CO., 303 Congress, Boston, Mass. *See adv index at end of book*

Hess Steel Corp., Loneys la & Biddle, Baltimore, Md.

Illinois Steel Co., 208 S La Salle, Chicago, Ill.

Ind. Rolling Mill Co., New Castle, Ind.

Kaufman E. & Co., Inc., 143 Liberty, New York

Latrobe Electric Steel Co., Latrobe, Pa.

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

Ludlum Steel Co., Watervliet, N. Y.

Old Dominion Iron & Steel Corp., Belle Isle, Richmond, Va.

Timken Roller Bearing Co., Dept H, Canton, O.

Trojan Electric Steel Co., 34th & Hoyne av, Chicago, Ill.

United Alloy Steel Corp., Canton, Ohio

Steel (Electrical)

See Iron & Steel Sheet, Electrical

14218— Steel (Emery)

(For Grinding & Rubbing Glass, Marble, etc; also for Grinding in Valves, Steam & Air Joints)

Pittsburgh Crushed Steel Co. ("Diamond"), Dept H, A. V. RR. & 61st, Pittsburgh, Pa.

14219— Steel Eye Bar Flats

Calumet Steel Co., 208 S La Salle, Chicago, Ill.

Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.

Witherow Steel Co., Keystone bldg, Pittsburgh, Pa

14220—Steel Factory Equipment

See also Specific Article Wanted

Allsteelequip Co., Aurora, Ill.

Angle Steel Stool Co., Otsego, Mich.

Art Metal Construction Co., Jamestown, N. Y.

Aurora Steel Products Co., 3rd, Aurora, Ill.

Bernstein Mfg. Co., 3d & Allegheny, Phila., Pa.

Bingham J. F. Mfg. Co., Lawrence, Mass.

Clark W. J. Co., Salem, O.

Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.

Corry-Jamestown Mfg. Corp. ("Steel-Age" Medicine & Bathroom Cabinets), Corry, Pa.

Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.

Durand Steel Locker Co., 76 W Monroe, Chicago, Ill.

Heller P. A. & Sons, 213 State, Detroit, Mich.

Kilbourne & Jacobs Mfg. Co., Columbus, Ohio

Koven L. O. & Bros., Inc., Jersey City, N. J.
See adv index at end of book

LEAKE A. G. ERECTING CO., INC. (Bar Stock Racks, Trolley Tracks, Crane, Boiler & Engine Room Ladders, Gratings, Non-Slipping Floor Plates, Machine Guards & Elevator Gates), Ash & Holland av, Bridgeport, Conn.

LUPTON'S DAVID SONS CO. ("Lupton"), Allegheny av & Tulip, Phila., Pa.
See adv at Shelving Steel

Lyon Metallic Mfg. Co. ("Lyon"), Aurora, Ill.

Manufacturing Equipment & Engineering Co. ("Mecco" Locker, Wash Bowls, Drinking Fountains, Stock & Pattern Racks, Stools, Chairs, etc.), Framingham, Mass.

Medart Fred. Mfg. Co. (Lockers, Steel Shelving, Racks of all Kinds & Sizes, Book Stacks, Catalogue Cabinets, etc), St. Louis, Mo.

Mills Co. (The) ("Factrequipment"), 5322 St. Clair av, Cleveland, O.
See adv index at end of book

New Britain Machine Co. ("New Britain"), 190 Chestnut, New Britain, Conn.

Ohio Mfg. Co. (Barrels, Boxes, Kegs, Pails, Pans, Spittoons, Stools, etc.), P. O. Box 146, Painesville, O.
See adv index at end of book

Terrell's Equipment Co. (Bins, Shelving, Trucks, Lockers, Racks, etc), Grand Rapids, Mich.

Van Dorn Iron Works Co. (The), 2700 E 79th, Cleveland, O.
See adv index at end of book

Watson Mfg. Co. (Filing Cabinets, Racks Shelving, etc), Jamestown, N Y

WILSON ANDREW CO. (Lockers, Shelving, Tables, Pans, Cans, etc.), 616 Essex, Lawrence, Mass.

14221-2—Steel (File & Rasp)

Aero Works, Inc., 136 Liberty, New York

Anglo-Saxon Supply Co. Inc. (Dirs.), 290 Pearl, New York

Atlas Steel Corp., Dunkirk, N. Y.

Bethlehem Steel Co. S Bethlehem, Pa.

Central Steel Co., Massillon, O.

Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.

Philadelphia Steel & Forge Co., 50 Church, New York

Ward's Edgar T Sons Co. (Stock for immediate delivery), 304 Hudson, New York *See adv index at end of book*

Steel Filing Equipment

See Filing Cabinets & Devices

14223—Steel Fire Box Plate

Carbon Steel Co. (Open Hearth), ft 32d, Pittsburgh, Pa.

Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.

Central Iron & Steel Co., Harrisburg, Pa.

Columbia Steel Co., Elyria, O.

Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.

Interstate Iron & Steel Co., 104H S. Michigan av, Chicago, Ill.

Lukens Steel Co. (Open Hearth), Coatesville, Pa.

Otis Steel Co. (Open Hearth), Leader-News bldg, Cleveland, O.

Reinforced Concrete Co. (Floor), St. Louis, Mo.

Ryerson Joseph T. & Son, 2558 W. 16th, Chicago, Ill
See adv index at end of book

Steel Floor Plate

See Plates, Floor, Iron & Steel

14223a—Steel (For Concrete Construction)

See also Steel (Construction Reinforced)

Ashtabula Steel Co., Ashtabula, Ohio

Harvey Arthur C. Co., 506 Cambridge, Alliston dist, Boston, Mass.

Ingalls Iron Works Co., Birmingham, Ala.

International High Speed Steel Co., 99 Nassau, New York

Lukens Steel Co., Coatsville, Pa.

14223b—Steel (For Stamping and Drawing)

Ashtabula Steel Co., Ashtabula, Ohio

Bethlehem Steel Co., Bethlehem, Pa.

Carbon Steel Co., Ft. 32nd, Pittsburgh, Pa.

Cleveland Steel Co., Kirby bldg., Cleveland, O.

Henson-Blair Mfg. Co., 2828 Emerald, Philadelphia, Pa.

Horner W. S. & Co. (Cold Rolled Sheet), Oliver bldg. Pittsburgh, Pa.

Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book

LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book

McCormack E. A., 29 B'way, New York

Morris & Bailey Steel Co. (Sheets, Plates & Strips, Cold Rolled), P. O. Box 932, Pittsburgh, Pa.

Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*

Stanley Works (Cold Rolled Sheets & Strips), New Britain, Conn.
See adv index at end of book

Superior Steel Co. (Cold Rolled Sheets & Strips), 529H Union Arcade, Pittsburgh, Pa.

Ward's Edgar T. Sons Co. ("Ward"), 394 Freylinghuysen av, Newark, N. J.

West Leechburg Steel Co. (Cold Rolled Strip), Farmers Bank bldg, Pittsburgh, Pa.

WETHERELL BROS. CO. (Cold Rolled Strips, Sheets & Plates "Morris & Bailey"), 251 Albany, Cambridge, Mass.
See adv index at end of book

Wheeling Steel Corp., Wheeling, W. Va.

14223c — Steel Forms (Concrete Construction)

See also Concrete Steel Construction

Blaw-Knox Co., 681 Farmers Bank bldg, *See adv index at end of book* Pittsburgh, Pa.

Concrete Engineering Co. ("Meyer," "Ceco"), Omaha, Neb.

Heltzel Steel Form & Iron Co., The, Warren, O. *See adv index at end of book*

Polk Genung Polk Co. (Circular), Dept. H, Fort Branch, Ind.

14224— Steel Hardening

Abegg & Rheinhold Co., 653 N. Main, Los Angeles, Cal.

Atlas Engineering Co., Lincoln, N. J.

Atlas Steel Corp., Dunkirk, N. Y.

Bennett Metal Treating Co., 1045 New Britain av, Elmwood, Conn.

Biddle W. S. Co., 1411 E 45th, Cleveland, O.

Bliss A. H. & Co. (High Speed Steel), N. Attleboro, Mass.

Bourne-Fuller Co. (Oil), Hanna bldg., Cleveland, O.
Bridgeport Metal Treating Co. (High Speed Steel & Specialty), 528 State, Bridgeport, Conn.
Broad Gauge Iron Wks. Inc., 80 Portland, Boston, Mass.
Cary Spring Works, 240 W 29th, New York
Century Steel Co. of America (Oil), Poughkeepsie, N. Y.
European Color & Chemical Co., Hoboken, N. J.
Frasse Peter A. & Co. Inc., 417 Canal, New York. Works: Hartford, Conn.
Gladium Co. (Oil), 11 Cliff, New York
Ludlum Steel Co. (Oil), Watervliet, N. Y.
New England Annealing & Tool Co. (Carbon & High Speed Steel), 74 K, S Boston, Mass.
Scott C. U. & Son, Davenport, Ia.
Sier-Bath Co., 143 W 54th, New York
Steel Improvement & Forge Co. ("Infuso"), 5003 Windsor, Cleveland, O.
Stroh Steel Hardening Process Inc., First Nat'l Bank bldg, Pittsburgh, Pa.
Tinker F. & Sons Co., 5687 Butler, Pittsburgh, Pa.
Trojan Electric Steel Co. (Oil), 3401 S. Hoyne av, Chicago, Ill.

14225—Steel (High Carbon)

Anglo-Saxon Supply Co. Inc. (Dirs.), 290 Pearl, New York
Athenia Steel Co., 135 Williams, New York
Atlas Crucible Steel Co., Dunkirk, N. Y.
Atlas Steel Corp. ("L. X. X." High Speed Steel Crucible & "Panther Special," "Condor Special" & "Atlas Double Extra"), Dunkirk, N. Y.
Balfour Arthur Steel Co., Inc. (Mfrs.' Agts.), 287 Atlantic av, Boston, Mass.
Barnes The Wallace Co., Bristol, Conn.
See adv index at end of book
Bethlehem Steel Co. (Tool, etc), South Bethlehem, Pa.
Blancke A. C. & Co., 116 S Michigan av, Chicago, Ill.
Carbon Steel Co., ft 32nd, Pittsburgh, Pa.
Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
Central Steel Co. ("Agathon" Bars, Billets & Slabs), Massillon, O.
Colonial Steel Co., 324 4th av, Pittsburgh, Pa.
Columbia Tool Steel Co., 552 W Lake, Chicago Heights, Ill.
Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.
Dodge C. S. (Wire), Lowell, Mass.
Duke Steel Co., Inc., 191 Pearl, New York
Fairley-Davidson Steel Co., 122 Maiden la, New York
Frasse Peter A. & Co. (Inc.), 417 Canal, New York. Works: Hartford, Conn.
Greaves Robt. K. Co., 1336 W Washington blvd, Chicago, Ill.
Halcomb Steel Co., Syracuse, N. Y.
Hammond & Irving, Auburn, N. Y.
Heller Bros Co., 870 Mt. Prospect av, Newark, N. J.
Ind. Rolling Mill Co. (Sheets), New Castle, Ind.
Industrial Steel & Brass Corp., 602 W Lake, Chicago, Ill.
Interstate Iron & Steel, 104H S Michigan av, Chicago, Ill.
Iron Trade Products Co., Farmers Bank bldg., Pittsburgh, Pa.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Kaufman E. & Co., Inc., 143 Liberty, New York
Lancaster Steel Products Corp., Lancaster, Pa.
Latrobe Electric Steel Co., Latrobe, Pa.
Ludlum Steel Co. ("Pompton," "Elba"), Watervliet, N. Y.
Pacific Coast Steel Co., Rialto bldg., San Francisco, Cal.
Poldi Steel Corp. of Am., 115 B'way, New York
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Steel Sales Corp., 129 S Jefferson, Chicago, Ill.
SWEDISH STEEL SALES CO., Suite 1420, Grand Central Terminal bldg, New York
Sweets Steel Co., Williamsport, Pa.
Trojan Electric Steel Co., 34th & Hoyne av, Chicago, Ill.
Vulcan Crucible Steel Co., Aliquippa, Pa.
Ward's Edgar T. Sons Co. ("Ward"), 394 Freylinghuysen av, Newark, N. J.
Warren Iron & Steel Co. (Sheets & Shovel Plate, etc), Warren, O.
Wetherell Bros. Co., 251 Albany, Cambridge, Mass. *See adv index at end of book*

14226— Steel (High Speed)

Firms marked with a (*) star are either Jobbers or Importers; all others are Manufacturers

See also Steel Importers

Aero Wks. Inc., 89 Warren, New York
***Allen Edgar & Co. (Ltd.) ("Allen," Air Hardening, "Allen's Imperial"), 718 W. Lake, Chicago, Ill.**
***Andrew Jno. Henry & Co. (Ltd.), ("Toledo," Sheffield, Eng.), 26 Cortlandt, New York**
Anglo-Saxon Supply Co. Inc. (Dirs.), 290 Pearl, New York
Atlas Crucible Steel Co. (L X X High Speed Steel, Crucible), Dunkirk, N. Y.
Atlas Engineering Co., Lincoln, N. J.
Atlas Steel Corp. ("Panther Special" High Speed Steel, "L. X. X." High Speed Steel), Dunkirk, N. Y.
Balfour Arthur Steel Co., Inc. (Mfrs.' Agts.), 287 Atlantic av, Boston, Mass.
***Becker Steel Co. of America (Becker Cobalt and Modern High Speed Steel), 154 Nassau, New York**
Bethlehem Steel Co. ("Bethlehem," Special Tool), South Bethlehem, Pa.
***Boker H. & Co., Inc. ("Novo Superior," "Intra," "Gibraltar," Imported), 101 Duane, New York**
***Bourne-Fuller Co. ("Scott's I X L"), Hickox bldg, Cleveland, O.**
Braeburn Steel Co., Braeburn, Pa.
Carpenter Steel Co., Reading, Pa.
Central Steel Co. ("Agathon" Bars, Billets & Slabs), Massillon, O.
Century Steel Co. of Am., Poughkeepsie, N. Y.
Colonial Steel Co. (Bars, Plates or Sheets), 324 4th av, Pittsburgh, Pa.
Columbia Tool Steel Co. ("Columbia," "Special"), 552 W Lake, Chicago Heights, Ill.
Crowley John A. Co. ("Arrow"), 120 Liberty, New York
Crucible Steel Co. of America ("Champion" High Speed, "Rex A. A. A." & "Rex A. A." "Rex A"), Oliver bldg, Pittsburgh, Pa.
Cyclops Steel Co., 120 B'way, New York
Disston Hy. & Sons, Tacony, Phila., Pa.
Duke Steel Co., Inc., 191 Pearl, New York
Electric Alloy Steel Co. ("Panther"), Youngstown, O.
Electro Steel Co. (Electric Furnace Steel), Curry bldg, Pittsburgh, Pa.
Firth Sterling Steel Co. ("Blue Chip" Firth "Sterling" Special), McKeesport, Pa.
Fisher C. W., 52 B'way, New York
***Frasse Peter A. & Co. (Inc.), 417 Canal, New York. Works: Hartford, Conn.**
Fulton Steel Corp. ("Great Bear"), Fulton, N. Y.
General Cooperage & Timber Co., Whitney-Central bldg., New Orleans, La.
General Trading & Export Co. Inc. (Dirs.), Whitney Central bldg., New Orleans, La.
Greaves Robt. K. & Co., 1336 W Washington blvd., Chicago, Ill.
Halcomb Steel Co. ("Dreadnought," "Super-Dreadnought"), Syracuse, N. Y.
Haring, Ellsworth ("Elhar"), 114H Liberty, New York
Harvey Arthur C. Co., 506 Cambridge, Allston dist, Boston, Mass.
***HAWKRIDGE BROTHERS COMPANY** (Dreadnought), 303 Congress, Boston, Mass. *See adv index at end of book*
Heller Bros. Co. ("Heller's," Alloy High-speed Tool Steel), 870 Mt. Prospect av, Newark, N. J.
***Hobson-Houghton & Co. (Ltd.), ("Albion" Imp.), 82 Beekman, New York**
***Houghton & Richards (Jobbers), 145 Oliver, Boston, Mass.**
Illingworth Jno. Steel Co. ("Argo"), Tacony & Lewis, Philadelphia, Pa.
INGERSOLL-RAND CO. ("I.-R." Swedish drill steel), 11 B'way, New York *See adv index at end of book*
Iron Trade Products Co., Farmers Bank bldg., Pittsburgh, Pa.
Jamison Steel Co., 77 Natoma, San Francisco, Cal.
Jessop Wm. & Sons Inc. ("Jessop's" "Ark" High Speed Steel), 91H John, New York
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Kinite Co. ("Kinite"), 1340 St. Paul av, Milwaukee, Wis.
Latrobe Electric Steel Co. ("Electric" & "Uranium"), Latrobe, Pa.
***Lowener V. ("Rekord"), 114 Liberty, New York**
Ludlum Steel Co. ("Mohawk"), Watervliet, N. Y.
McInnes Steel Co. (Ltd.), ("McInnes," Vanadium & Cobalt High Speed), Corry, Pa.
***Morris E. K. & Co. (Cold Drawn & Cold Rolled Bar Strip Steel, Jobbers & Importers), 317 W 2d, Cincinnati, O.**
***Morrison J. S. Co. ("Wearite"), Oliver bldg., Pittsburgh, Pa.**
Ontario Electric Steel Co., Inc. ("Great Bear"), Fulton, N. Y.
Onondaga Steel Co., Inc., Syracuse, N. Y.
Poldi Steel Corp. of Am., 115 B'way, New York
***Potts Horace T. & Co. ("Rekford," Superior), Erie & D, Phila., Pa.**
***Rossell Henry ("Victory," Made in Sheffield, England), 24 S Jefferson, Chicago, Ill.**
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Schrock & Squires (Dirs.), 293 Pearl, New York
Simonds Mfg. Co., Lockport, N. Y.
Sizer Steel Co. ("Triton"), 240 Larkin, Buffalo, N. Y.
***Swedish Charcoal Steel Producers Inc., 165 B'way, New York**
Swedish Steel Sales Co., Suite 1420, Grand Central Terminal bldg, New York
Trojan Electric Steel Co., 34th & Hoyne av, Chicago, Ill.
Vulcan Crucible Steel Co., ("Wolfram") Aliquippa, Pa.
Ward's Edgar T. Sons Co. ("Ward"), 394 Freylinghuysen av, Newark, N. J.
***WARD'S EDGAR T. SONS CO.** ("Red Cut Superior"), 44-54 Farnsworth, Boston, Mass. *See adv index at end of book*
Wetherell Bros Co., 251 Albany, Cambridge, Mass. *See adv index at end of book*
Wheelock Lovejoy & Co., Inc. (Sales Agents), 150 Nassau, New York

14226a—Steel (Hollow Drill)

Anglo-Saxon Supply Co., Inc. (Dirs.), 290 Pearl, New York
Balfour Arthur Steel Co., Inc. (Mfrs.' Agts.), 287 Atlantic av, Boston, Mass.
Colonial Steel Co., 324 4th av., Pittsburgh, Pa.
Duke Steel Co., Inc., 191 Pearl, New York
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
SWEDISH STEEL SALES CO., Suite 1420, Grand Central Terminal bldg, New York
United Alloy Steel Corp., Canton, O.
Vulcan Tool Mfg. Co. (& Solid), Quincy, Mass.

Steel (Hoop)

See Iron & Steel Band & Hoop

14226b—Steel (Hot Die & Alloy)

Atlas Crucible Steel Co. ("Atlas"), Dunkirk, N. Y.
Atlas Steel Corp. ("Atlas"), Dunkirk, N. Y.
Ludlum Steel Co., Watervliet, N. Y.
Swedish Steel Sales Co., Suite 1420, Grand Central Terminal bldg, New York
Trojan Electric Steel Co., 34th & Hoyne av, Chicago, Ill.

14227—Steel (Hot Rolled Strip)

Acme Steel Goods Co., 2834 Archer av, **Chicago, Ill.**
American Box Strapping Co., Inc., 313 E 22nd, New York
American Tube & Stamping Co. (Hoop & Bar), 471 Hancock, Bridgeport, Conn.
Balfour Arthur Steel Co., Inc. (Mfrs.' Agts.), 287 Atlantic av, Boston, Mass.
Bourne Fuller Co., Hanna bldg., Cleveland, Ohio
Carpenter Steel Co. (Crucible Steels & Wires), Reading, Pa.
Central Steel Co. ("Uma"), Massillon, O.
Disston Hy. & Sons, Tacony, Phila., Pa.
Electric Alloy Steel Co. ("Salamander" & "Tarpon"), Youngstown, O.
Elliott-Blair Steel Co., New Castle, Pa.
Elyria Iron & Steel Co., 232 E 131st, Cleveland, Ohio
Fishel & Marks Co., Ft. of Krakow av, Cleveland, O.
See adv index at end of book
HARRISBURG PIPE & PIPE BENDING CO. (For Stamping), Herr, nr. 10th, Harrisburg, Pa.
Harvey Arthur C. Co., 506 Cambridge, Allston dist., Boston, Mass.
Iron Trade Products Co., Farmers Bank bldg., Pittsburgh, Pa.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Kaufman E. & Co., Inc., 143 Liberty, New York
La Salle Steel Co., S Halsted & 23rd, Chicago, Ill.
Laclede Steel Co., Arcade bldg., St. Louis, Mo. Works: Alton, Ill.
Livermore Homer F. Inc., 85 Pearl, Boston, Mass.
Marks & Fiske, 2507 24th, Detroit, Mich.
National Pressed Steel Co., Massilon, O.
National Sales & Trading Co., Cleveland, O.
Newport Rolling Mill Co., Newport, Ky.
Philadelphia Steel & Forge Co., 50 Church, New York
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Standard Steel & Wire Co., 1408 Cortland, Chicago, Ill.
Superior Steel Corp. (For Stamping & Drawing, etc.), 529H Union Arcade, Pittsburgh, Pa.
Tacony Steel Co., Tacony, Phila., Pa.
Trumbull Steel Co., Warren, Ohio
Weirton Steel Co., Weirton, W. Va.
West Leechburg Steel Co. (For Blanking, Stamping & Drawing), Farmers' Bk. bldg, Pittsburgh, Pa.
Worcester Pressed Steel Co., Worcester, Mass. *See adv index at end of book*

14227a—Steel Imitation Brick & Rock Face Siding

See also Roofing & Siding, Iron & Steel

American Sheet & Tin Plate Co., Frick bldg, Pittsburgh, Pa.
Ames W. R. Co., 450 Irwin av, San Francisco, Cal.
B. C. Metal Stamping Co., 327 Lanyton, San Francisco, Cal.

(Continued on following page)

Steel Imitation Brick & Rock Face Siding—Continued

Berger Mfg. Co., 1038 Belden av N E, Canton, O.
Brier Hill Steel Co., Youngstown, O.
Cambridge Roofing Co., Cambridge, O.
Canton Metal Ceiling Co. ("Art Kraft"), Canton, O.
Chattanooga Roofing & Fdy. Co., Chattanooga, Tenn.
Dickelman Mfg. Co., Forest, O.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
Eller Mfg. Co., 1200 Camden av S W, Canton, O.
Falcon Steel Co., Niles, Ohio.
Florida Metal Products Co., Jacksonville, Fla.
Globe Iron Roofing & Corrugating Co., Newport, Ky.
Mesker Geo. L. & Co., Evansville, Ind.
Messenger & Parks Mfg. Co. (Steel Brick Siding), Aurora, Ill.
Milwaukee Corrugating Co., Milwaukee, Wis.
Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, O.
See adv index at end of book
New Orleans Roofing & Metal Co. ("Nola"), Cortes & Orleans, New Orleans, La.
Newport Rolling Mill Co., Newport, Ky.
Parkersburg Iron & Steel Co., Parkersburg, W. Va.
Penn Metal Co., 65A Franklin, Boston, Mass.
Porter Iron Roofing & Corrugating Co., 522 Culvert, Cincinnati, O.
Reeves Mfg. Co., Dover, O.
Republic Iron & Steel Co. (Niles Wks.), Niles, O.
St. Paul Roofing, Cornice & Ornament Co., St. Paul, Minn.
Scott Roofing & Mfg. Co., 408 Culvert, Cincinnati, O.
Seneca Iron & Steel Co. (Steel Brick Only), Buffalo, N. Y.
Souther E. E. Iron Co., Klenlin & Hamburger, St. Louis, Mo.
Sykes Co., 930 W 19th pl, Chicago, Ill.
Trumbull Steel Co., Warren, O.
Whitaker-Glessner Co. (Wheeling Corrugating Dept.). Wheeling, W. Va.
Youngstown Sheet & Tube Co., Youngstown, Ohio

14228— Steel Importers

Allen Edgar & Co. (Ltd.), ("Edgar Allen," Tool Steel, etc), 718 W Lake, Chicago, Ill.
Balfour Arthur Steel Co., Inc., 287 Atlantic av, Boston, Mass.
Boker H. & Co., (The Sir Joseph Jonas, Culver & Co. (Ltd.) Tool Steel, Drill Rods, Needle Wire, Hot & Cold Rolled Sheet Steel, Steel for Wagon, Clock and Other Springss, Steel & Crucible Wire Rods, etc), 101 Duane, New York
Brown-Wales Co. (Refined Iron, Bars, Angles, Tees, Plates, Structures, Material Steel Balls & Mechanical Tubing), 489 C, Boston, Mass.
Comstedt Jas. F. A. (Impt. & Export), 120 B'way, New York
Darwin & Milner ("A. B. C." High Speed & Alloy), 138 Park Row, New York
Duke Steel Co. Inc., 191 Pearl, New York
Fairley-Davidson Steel Co., 122 Maiden la, New York
Framerican Industrial Development Co., 21 E 40th, New York
Grant, Robert, Woolworth Bldg, New York
Harvey Arthur C. Co. (Norway & Swedish Iron & Steel), 506 Cambridge, Allston dist., Boston, Mass.
Hawkridge Bros. Co., 303 Congress, Boston, Mass. *See adv index at end of book*
Hidalgo Steel Co., 53 Park pl, New York
Hobson-Houghton & Co. (Tool Steel, Needle Wire, Bright Drill Rods, "Soho," Self-Hardening Steel, etc), 83 Beekman, New York
Houghton & Richards ("Styrian" Tool Steel & "Low Moor" & "Farnley" Iron), 145 Oliver, Boston, Mass.
Jessop Wm. & Sons, Inc. (Bars, Sheets & Plates, "Jessop's" Best Carbon Tool Steel & "Jessop's" "Ark" High Speed Steel), 91 John, New York
Milne A. & Co. (Norway Iron & Steel, Blooms, Billets, Bars, Wire, Rivet & Nail Rods, etc), 741 Washiongton, New York
Page-Newell & Co., 93 Broad, Boston, Mass.
Potts Horace T. & Co. (Bars, Angles, Tees, Slabs, Beams, Channels, Billets, Blooms, Sheet Bars, etc), Erie & D, Phila., Pa.
Prosser Thos. & Son, 15 Gold, New York
Swedish Charcoal Steel Producers, Inc., 165 B'way, New York
Swedish Iron & Steel Corp., 12 Platt, New York
Swedish Steel Sales Co. (Swedish Iron, Steel Billets, Brass & Wire Goods), Suite 1420, Grand Central Terminal bldg, New York
Todd John H. L., 120 Broadway, New York
Van Winkle H. L. Co., 160H Beale, San Francisco, Cal.
Victor Steel Co., 120 Broadway, New York
Wardlow S. & C. (Tool Steel, Cast & Double Shear Steel, Cutlery Steel, Steel for Watches & Other Springs, etc.), 278 Pearl, New York
Wetherell Bros. Co. (Kayser, Ellison & Co., Ltd.) (Bar, Sheet & Wire), 251 Albany, Cambridge, Mass.
See adv index at end of book
Wilckes J. Co. ("Sandviken" Swedish High Carbon Tempered & Polished Steel), 135 William, New York

14228a— Steel Inspection

HUNT ROBERT W. CO., 175 W Jackson blvd, Chicago, Ill.
See adv index at end of book

14229— Steel (Jail Bar)

Colonial Steel Co. (5 Ply), 324 4th av, Pittsburgh, Pa.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Mansfield Sheet & Tin Plate Co., Mansfield, Ohio

14229a— Steel Lockers

See also Lockers (Steel)

DURABILT STEEL LOCKER CO., Aurora, Ill.
See adv index at end of book

14230—Steel (Locomotive Boiler)

Carbon Steel Co., ft. 32nd, Pittsburgh, Pa.
Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
Central Iron & Steel Co. (Open Hearth Steel), Harrisburg, Pa.
Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.
Illinois Steel Co., 208 S Lasalle, Chicago, Ill.
Jones & Laughlin Steel Co., Ross, Pittsburgh, Pa.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Lukens Steel Co., Coatesville, Pa.
Wood Alan Iron & Steel Co., Widener Co., Philadelphia, Pa.
See adv index at end of book

14230a— Steel (Machinery)

Bethlehem Steel Co., Bethlehem, Pa.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Potts Horace T & Co., Erie & D, Phila., Pa.
Tacony Steel Co., Franklin Bank bldg, Phila., Pa.

14231— Steel (Magnet)

Allen Edgar & Co., Ltd., 718 W Lake, Chicago, Ill.
Atlas Crucible Steel Co. ("Acsco" Magnet Steel), Dunkirk, N. Y.
Atlas Steel Corp., Dunkirk, N. Y.
Bethlehem Steel Co., Bethlehem, Pa.
Carbon Steel Co., ft. 32nd, Pittsburgh, Pa.
Crowley John A. Co., 120 Liberty, New York
Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.
Cyclops Steel Co., 120 B'way, New York
Duke Steel Co. Inc., 191 Pearl, New York
Fairley-Davidson Steel Co., 122 Maiden la, New York
Halcomb Steel Co. (Tungsten & Chrome), Syracuse, N. Y.
Harvey Arthur C. Co., 506 Cambridge, Allston dist., Boston, Mass.
Hawkridge Bros, 303 Congress, Boston, Mass. *See adv index at end of book*
Heller Bros Co., 870 Mt. Prospect av, Newark, N. J.
Hess Steel Corp., Lowneys la & Eager, Baltimore, Md.
Interstate Iron & Steel, 104H S Michigan av, Chicago, Ill.
Jessop Steel Co., Washington, Pa.
Latrobe Electric Steel Co., Latrobe, Pa.
Ludlum Steel Co. ("Mohawk" Extra "Pompton" Special "Huron" "Utica," Watervliet, N. Y.
Philadelphia Steel & Forge Co., 50 Church, New York
Simonds Mfg. Co., Lockport, N. Y.
Swedish Charcoal Steel Producers, Inc. (Imp.), 165 B'way, New York
Rochester, N. Y.
Tacony Steel Co., Tacony, Phila., Pa.
Vanadium-Alloys Steel Co. ("Vasco"), Latrobe, Pa.
Ward's Edgar T. Sons Co. ("Ward"), 394 Freylinghuysen av, Newark, N. J.
Wetherell Bros. Co., 251 Albany, Cambridge, Mass. *See adv index at end of book*

Steel (Manganese)

See Castings, Manganese Steel

14231a—Steel Merchants, Agents, etc.

Americal Steel Export Co., Woolworth bldg, New York
Am. System of Reinforcing Corp. of Calif., Inc., Washington bldg, Los Angeles, Cal.
Anglo-Saxon Supply Co. Inc. (Dirs.), 290 Pearl, New York
Avery & Saul, 297 Dorchester av, Boston, Mass.
Badt-Falk & Co., Call bldg, San Francisco, Cal.
Balfour Arthur Steel Co., Inc., 287 Atlantic av, Boston, Mass.
Barde M. & Sons Steel & Mach. Co., 240 Front, Portland, Ore.
Blancke A. C. & Co., 602 W Lake, Chicago, Ill.
Borrmann Geo. R., ft. Adeline, San Francisco, Cal.
Briggs & Turivas, 110H S Dearborn, Chicago, Ill.
Brown Steel Co., Marion rd, Columbus, O.
Bullion Alfred H. Co., 660 Howard, San Francisco, Cal.
Burke Wm. B. Steel Co., 30H Sherer, Rochester, N. Y.
Buschman Bros., Park Row bldg, New York
California Iron Yarns Co., 34 Missouri, San Francisco, Cal.
Callan & Fortier, 24 W Connecticut, Seattle, Wash.
Casse Jos. (Imp.), 363 Pine, San Francisco, Cal.
Castle A. M. & Co. of Wash., 32 W Conn., Seattle, Wash.
Comstedt Joseph F. A., 120 B'way, New York
Continental Steel & Supply Co., 527 Howard, San Francisco, Cal.
Crozier R. J. Co., 10 S 18th, Phila., Pa.
Denman & Davis, 85-91 Lafayette, New York
Dickey Steel Co., 233 B'way, New York
Dill-Crosett Co., 235 Pine, San Francisco, Cal.
Douglas Geo. B., 29 B'way, New York
Ducommun Hardware Co., 219 S. Central av, Los Angeles, Cal.
Duke Steel Co. Inc., 191 Pearl, New York
Dunning Iron Store Co., 475 E 3rd, Los Angeles, Cal.
Engineering Products Co., Rialto bldg, San Francisco, Cal.
See adv index at end of book
Federal Tool & Alloy Steel Corp. (Carbon & High Speed, Federal Solid & Hollow Drill), 64 Rutledge, Brooklyn, N. Y.
Firth Thos. & Sons, Inc., 185 Allyn, Hartford, Conn.
Fisher C. W., 52H Broadway, New York
Fortier J. A., 1029 6th av S, Seattle, Wash.
Foucar Ray & Simon, Inc., 512H Folsom, San Francisco, Cal.
Froment & Co., 150 Bank, New York
General Steel Corp., 1053 Howard, San Francisco, Cal.
Gladium Co., 11 Cliff, New York
Grant Robert, 233 B'way, New York
Gunn, Carle & Co., 444 Market, San Francisco, Cal.
Hand Edw. L. & Co., 521 Arch, Phila., Pa.
Haring Ellsworth, 114H Liberty, New York
Hartel Bros. & Co., 307 Atlantic av, Boston, Mass.
Hayes Equipment Co., National bldg, Cleveland, O.
Hickok & Hickok, 989 Bryant, San Francisco, Cal
Hughes Limbach Co., Hippodrome bldg., Cleveland, O.
Independent Iron & Steel Co., 24 California, San Francisco, Cal.
Inland Iron Co., 300 Santa Fe av, Fresno, Cal.
Jacobs & Gile, 224 E Water, Portland, Ore.
Jamison Steel Co., 77 Natoma, San Francisco, Cal.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Jorgensen Earle M. Co., Washington bldg, Los Angeles, Cal.
Kaufman E. & Co., Inc., 143 Liberty, New York
Key Jno. L., 74 New Montgomery, San Francisco, Cal.
Kyle & Co., Inc., 333 G, Fresno, Cal.
Lamont & Sugden Co., 445H 2nd, San Francisco, Cal.
Little & Robertson, 2020 E 37th, Los Angeles, Cal.
Livermore Homer F. Inc., 85 Pearl, Boston, Mass.
Llewellyn Iron Works, 1200 N Main, Los Angeles, Cal.
Los Angeles Iron & Steel Co., 820 Santa Fe av, Los Angeles, Cal.
McFie W. T. Supply Co., 213 N Los Angeles, Los Angeles, Cal.
McInnes Charles E. & Co., Mariner & Merchants bldg., Phila., Pa.
McMeekan David, 30th & Minte, Phila., Pa.
Maeder Steel Products Co., 617 Vaughn, Portland, Ore.
Midwest Steel & Supply Co., Inc., 100 E 45th, New York
Morse-Rogers Steel Co., 1515 Fairfield av, Cleveland, O.
National Trading Co., Swetland bldg, Cleveland, O.
Neumeyer & Dimond, 82 Beaver, New York
New York Iron & Steel Products Co., 143 Chambers, New York
Nottingham Steel Co., 1252 E 55th, Cleveland, O.
Pacific Machinery & Tool Steel Co., 44 1st, Portland, Ore.
Patriarche & Bell (Jobbers), 350 West, New York
Peden Iron & Steel Co., Houston, Tex.
Peninsula Iron & Steel Co., 770 Folsom, San Francisco, Cal.

Penna. Steel Export Co., 940 N Front, Phila., Pa.
Pray Milton, Monadnock bldg, San Francisco, Cal.
Purdy A. R. Co., Inc., 790 Greenwich, New York
Robertson-Peacock Co., 30 2nd, Portland, Ore.
Rolph-Mills Co., 149 California, San Francisco, Cal.
Rulofson A. C. Co., Monadnock bldg., San Francisco, Cal.
Russell-Newman Supply Co., Hampden av & Charles, St. Paul, Minn.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill.
See adv index at end of book
San Francisco Steel Products Co., 44 Natoma, San Francisco, Cal.
Scovel Iron Stone Co., 754 Howard, San Francisco, Cal.
Selikowitz S. D., 90 West, New York
SHEET METAL MFG. CO. (THE) (Sheets cut to size), Box 508, Youngstown, O.
Simon Bros., 540 1st, San Francisco, Cal.
Simon & Mills, Inc., 25H Leonard, New York
Soulé Edw. L., Rialto bldg, San Francisco, Cal.
Speddy T. H. Co., 73 Main, San Francisco, Cal.
Spreckels Bros. Commercial Co., Citizens Bank bldg, Los Angeles, Cal.
Standard Iron & Steel Co. (Dlrs.), 146 Winchester av, New Haven, Conn.
Standard Steel Products Co., Warren, O.
Steel Sales Corp., 129 S Jefferson, Chicago, Ill.
Stevens Chas. G. Co., 4514 S Western blvd, Chicago, Ill.
Stewart & Rowland, Drexel bldg, Phila., Pa.
Street R. R. Co., 549 Washington blvd, Chicago, Ill.
Stulz-Sickles Co., 121 Lafayette, Newark, N. J.
Taylor-Wason Corp. (bars, channels, angles, etc.), 60 Landswine, Boston, Mass.
Tayler & Spotswood Co., 19th & Minnesota, San Francisco, Cal.
TICE-TINSLEY STEEL CO. (THE), Terminal bldg, Youngstown, O.
Toledo Iron & Supply Co. The (Jobbers), 651 Spencer, Toledo, O.
Uihlein Julius & Co., 208 Elm, Cincinnati, Ohio
United Commercial Co., 234H Steuart, San Francisco, Cal.
U. S. Steel Products Co., 30 Church, New York
Van Winkle H. L. Co., 160 Beale, San Francisco, Cal.
Victor Iron Supply Co., 1743 Carter av, New York
Voegtly Wm. N., Jr., 625 Market, San Francisco, Cal.
Vought & Williams, 365 Greenwich, New York
Wallace Equipment Co., 11th av, S. W. & W. Hanford, Seattle, Wash.
Ward's Edgar T. Sons Co. ("Ward"), 394 Freylinghuysen av, Newark, N. J.
West Coast Steel Co., 1948 Pacific av, Tacoma, Wash.
Western Alloy & Tool Steel Co., Inc. ("Watco"), 576 Bryant, San Francisco, Cal.
Western Metal Supply Co., 247 7th, San Diego, Cal.
Wetenhall W. S. Co., 17th & Wisconsin, San Francisco, Cal.
Wilson E. H. & Co., Com'l Trust bldg, Phila., Pa.

14232—Steel Mine & Mill Buildings (Constructors of)

Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
Hickok Const. Co. (Grain), 1219 Flour Exch., Minneapolis, Minn.
Ingalls Iron Works Co., Birmingham, Ala.
Lukens Steel Co., Coatsville, Pa.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book

14233— Steel (Nickel)

Allen Edgar & Co. (Ltd.) (Chrome Nickel & Nickel, Imp.), 718 W Lake, Chicago, Ill.
Alloy Metal Wire Co., 5938 Grand Central Terminal, New York
See adv index at end of book
Andrews Steel Co., Newport, Ky.
Atlas Steel Corp., Dunkirk, N. Y.
Bethlehem Steel Co., South Bethlehem, Pa.
Bitz-Pierce Co., (Merchants), 2230 E 9th, Cleveland, O.
Carbon Steel Co., ft 32nd, Pittsburgh, Pa.
Carnegie Steel Co., Carnegie bldg., Pittsburgh, Pa.
Central Steel Co. ("Agathor" Bars, Billets & Slabs), Massillon, O.
Century Steel Co. of America, Poughkeepsie, N. Y.
Colonial Steel Co. (Bars, Plates & Sheets), 324 4th av, Pittsburgh, Pa.
Crowley John A. Co., 120 Liberty, New York
Crucible Steel Company of America (Rerolled, etc.), Oliver bldg, Pittsburgh, Pa.
Cyclops Steel Co. 120 B'way, New York
Donner Steel Co., Inc., 475 Abbott rd, Buffalo, N. Y.
Duke Steel Co. Inc., 191 Pearl, New York
Electrical Alloy Co. ("Phoenix" Ribbon, Strips & Wire), Morristown, N. J.
Electro Steel Co., Inc. ("Electro"), Curry bldg, Pittsburgh, Pa.
Harvey Arthur C. Co., 506 Cambridge, Allston dist., Boston, Mass.
HAWKRIDGE BROS. CO., 303 Congress, Boston, Mass. *See adv index at end of book*
Heller Bros Co., 870 Mt. Prospect av, Newark, N. J.
Hess Steel Corp. (Also Chrome Nickel Steel), Lowneys la & Biddle, Baltimore, Md.
Ind. Rolling Mill Co., New Castle, Ind.
Industrial Steel Corp., 2704 Granview, Chicago, Ill.
Interstate Iron & Steel Co. (½ to 5%), 104 S Michigan, Chicago, Ill.
Iron Trade Products Co., Farmers Bank bldg., Pittsburgh, Pa.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Kaufman E. & Co., Inc., 143 Liberty, New York
Lancaster Steel Products Corp., Lancaster, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
National Pressed Steel Co., Massilon, O.
Philadelphia Steel & Forge Co., 50 Church, New York
Pittsburgh Tool Steel Wire Co. (Drawn for Shafts, Axles, Bolts, etc.), Monaca, Pa.
Poldi Steel Corp. of Am., 115 B'way, New York
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Tacony Steel Co., Tacony, Phila., Pa.
United Alloy Steel Corp. (Billets, Slabs & Merchants Bars), Canton, Ohio
Ward's Edgar T. Sons Co. ("Ward"), 394 Freylinghuysen av, Newark, N. J.
Wyoming Shovel Works (Also Nickel Chrome), Wyoming, Pa.

14234— Steel (Non-Magnetic)

Andrews Steel Co., Newport, Ky.

14234a—Steel (Open Hearth)

(See also Rolling Mills (Iron & Steel)
Bourne Fuller Co., Hanna bldg., Cleveland, Ohio
Duke Steel Co. Inc., 191 Pearl, New York
Hawkridge Bros. Co., ("Yellow End," "White End," "Blue End," "Green End"), 303 Congress, Boston, Mass.
See adv index at end of book
Interstate Iron & Steel Co., 104H S. Michigan av, Chicago, Ill.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
Lancaster Steel Products Corp., Lancaster, Pa.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
National Drawn Steel Co., East Liverpool, Ohio
Smith David H. & Sons, foot of 51st, Brooklyn, N. Y.
See adv index at end of book
Southern California Iron & Steel Co. (Bars), E 4th & Mateo, Los Angeles, Cal.
Timken Roller Bearing Co., Dept. H, Canton, O.
Wyoming Shovel Wks., Wyoming, Pa.
Youngstown Sheet & Tube Co., Youngstown, Ohio

Steel Pipe

See Pipe & Tube Mills

Steel Plate

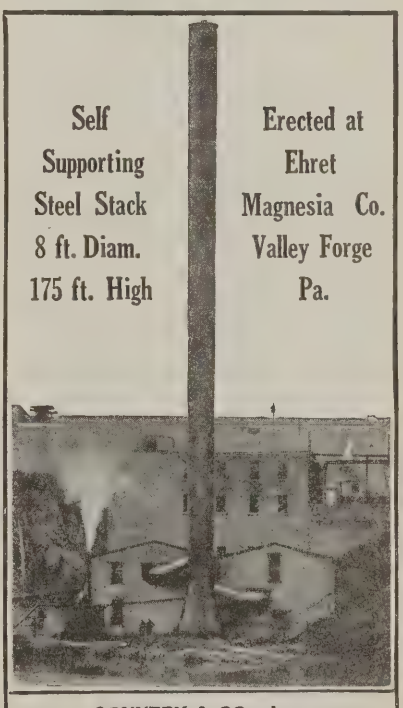
See Iron & Steel Boiler & Tank Plate; also Steel Fire Box Plate

14235— Steel Plate Work

Allentown Boiler Works, 332 Walnut, Allentown, Pa.
American Iron Works, Louisville, Ky.
Atlantic Works, 80 Border, East Boston, Mass.
Baker Iron Wks., Los Angeles, Cal.
Bass Foundry & Machine Co., Fort Wayne, Ind.
Beckley Perforating Co. (Light), Garwood, N. J.
Bethlehem Shipbuilding Corp. Ltd., Balt. Drydock Plant, ft. East Fort av, Baltimore, Md.
Bichler Mfg. Co., St. Joseph, Mo.
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Birchfield Boiler Co., 2503 E 11th, Tacoma, Wash.
Blaw-Knox Co., Freeport rd, Hoboken, Pa.
Pittsburgh, Pa.
Boiler Tank & Pipe Co., 4061 Hollis, Emeryville, Cal.
Boom Boiler & Welding Co., 1615 Merwin av, Cleveland, O.
Brennan John & Co., 24th & M. C. R. R., Detroit, Mich.
Bridgeport Boiler Works Co., Bridgeport, Conn.
Buckeye Boiler Co., Dayton, O.
Carlis Chas. W. Sons, Trenton, N. J.
Casey-Hedges Co., Chattanooga, Tenn.
Cathell Bros. & Co., Fort av, & Lawrence, Baltimore, Md.
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See adv index at end of book


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Coatesville Boiler Works, 111 S 15th, Philadelphia, Pa.
Cole R. D. Mfg. Co., Newman, Ga.
Columbiana Boiler Co., Columbiana, O.
Connellsville Iron Works, Connellsville, Pa.
Connelly D. Boiler Co., Ivanhoe rd & N. Y. & St. L. R. R., Cleveland, O.
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DOVER BOILER WORKS. Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book.*
Drake-Williams-Mount Co., Omaha, Neb.
Duff Patents Co., Frick bldg, Pittsburgh, Pa.
Duncan Co., The, 508 Water, Toledo, Ohio
Dundon Iron Works, 225 Folsom, San Francisco, Cal.
Dutwiler Mfg. Co., 2437 E 23rd, Los Angeles, Cal.
Erie City Iron Works, Erie, Pa.

(Continued on following page)



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See adv index at end of book
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Harvey Arthur C. Co., 506 Cambridge, Allston dist., Boston, Mass.
Hay Foundry & Iron Works, Plum Point la, Newark, N. J.
Heggie James G. & Sons, Joliet, Ill.
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See adv index at end of book

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Horton Steel Works, Ltd., 118 Janet, Bridgeport, Ont., Can.
Independent Bridge Co., May, Pittsburgh, Pa.
International Boiler Wks. Co., E. Stroudsburg, Pa.
Iowa Steel & Iron Works, Cedar Rapids, Ia.
IRON & STEEL CONTRACTING CO. (of Any Description), 215 San Bruno av, San Francisco, Cal.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Jackson & Church Co., Saginaw, Mich.
Johnson & Thompson, 2716 N 26th, Birmingham, Ala.
Johnston Bros., Ferrysburg, Mich.
Kansas City Structural Steel Co., 114 N 10th, Kansas City, Mo.
Kittoe Boiler & Tank Co. (Inc.), Canton, Ohio
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
Lacy Mfg. Co. (Of Any Description), Los Angeles, Cal.
Lake Erie Boiler Wks., Buffalo, N. Y.
Lakeside Bridge & Steel Co., 402 Villard av, N Milwaukee, Wis.
Lancaster Iron Works, Lancaster, Pa.
Lappan Jas. Mfg. Co., 20th & Pike, Pittsburgh, Pa.
Lasker & Minck, 53 Park pl, New York
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Leetonia Boiler Co., Leetonia, O.
Leslie Elliott & Co., Paterson, N. J.
Lindsay W. W. & Co., Harrison bldg, Philadelphia, Pa.
LITTLEFORD BROS., 444 E Pearl, Cincinnati, O. *See adv index at end of book*
Llewellyn Iron Works, 1200 N Main, Los Angeles, Cal.
Lookout Boiler Mfg. Co., Chattanooga, Tenn.
Los Angeles Mfg. Co. Inc., 2500 Lenard, Los Angeles, Cal.
McAleenan Bros. Co., 25th & A. V. R. R., Pittsburgh, Pa.
McDermott Bros., 3rd & Washington, Allentown, Pa.
McMyler-Interstate Co. (The) (& Construction), Cleveland, Ohio
See adv index at end of book
McNamara Bros. Co., Westport, Baltimore, Md.
McNeil Jas. & Bro. Co., Pittsburgh, Pa.
Manitowoc Engineering Works, Manitowoc, Wis.
Meehan Boiler & Const. Co., Lowellville, Ohio
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Meyer Otto C. & Co., 30 Franklin, Brooklyn, N. Y.
Michelmann Steel Construction Co., Quincy, Ill.
Midland Barge Co. (& Construction), Midland, Pa.
Mitchell-Tappen Co., 15 John, New York
Munroe R. & Sons Mfg. Corp., 23rd & Smallman, Pittsburgh, Pa.
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Nashville Bridge Co., Nashville, Tenn.
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New York Central Iron & Wks. Co. Inc., Dept. H, Hagerstown, Md.
Niles Forge & Mfg. Co., Niles, O.
Northern Blower Co. (The), Cleveland, O.
See adv index at end of book
Novelty Steam Boiler Works (Trippiett & Jennings, Props.), 917 S Howard, Baltimore, Md.
Ocean Shore Iron Works, 550 8th, San Francisco, Cal.
Oil City Boiler Works, Oil City, Pa.
Otis Steel Co., Riverside Plant, Cleveland, Ohio
Peerless Steel Co., Ardmore, Okla.
Penn Foundry & Mfg. Co., Reading, Pa.
Penna. Engineering Wks., New Castle, Pa.
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Phoenix Iron Works Co., Meadville, Pa.
Pioneer Boiler & Machine Works, 1226 Palmetto, Los Angeles, Cal.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Pollock Wm. B. Co., Youngstown, O.
Puget Sound Boiler Works, Seattle, Wash.
Quaker City Iron Works, Tioga & Richmond, Phila., Pa.
Renneburg E. & Sons Co., 2639 Boston, Baltimore, Md.
Republic Structural Iron Works Co., 1350 E 53d, Cleveland, O.
Riter-Conley Co., Oliver bldg., Pittsburgh, Pa.
Roberts Iron Works Co., Cambridge, Mass.
Robinson Ventilating Co., Jenkins Arcade, Pittsburgh, Pa.
Rock Island Bridge & Iron Works, Rock Island, Ill.
Ruemmell-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
Russell Daniel Boiler Works, 93 Boston, Boston, Mass.
Scannell Boiler Works, Lowell, Mass.
Schofield's J. S. Sons Co., Macon, Ga.
Shaw Benj. F. Co., Wilmington, Del.
Shoemaker-Satterthwait Bridge Co., Pottstown, Pa.
Smith Samuel & Son Co., Paterson, N. J.
Sotter Bros., Inc., Pottstown, Pa.
Southern Boiler & Tank Works, 1275 Thomas, Memphis, Tenn.
Southern Metal Co. Inc., Lake Charles, La.
Speirs Bros., New London, Conn.
Stacey Mfg. Co., Township av, Elmwood, & Big 4 R. R., Cincinnati, O.
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Standard Metal Products Co., 558 Bryant, San Francisco, Cal.
Steel Plate Products Co., Pottstown, Pa.
Steel Tank & Pipe Co., Corbin Station, Berkeley, Cal.
Struthers-Wells Co. (Riveted & Welded for Oil Refineries, Sugar Refineries, Soap Factories, Wood Alcohol & Turpentine Plants), Warren, Pa.
Stupp Bros. Bridge & Iron Co., 916 Locust, St. Louis, Mo.
Tippett & Wood, Philipsburg, N. J.
Titusville Iron Co., Titusville, Pa.
Tofte Boiler & Sheet Iron Works, Houston, Texas
Treadwell Constr. Co. (& Construction), Midland, Pa.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
Tulsa Boiler & Machny. Co., Tulsa, Okla.
Turi Engineering Works, Inc., 39 Cortlandt, New York
Turi Iron & Car Co. (Inc), The, 50 Broad, New York. Works: Newburgh, N. Y.
Twin City Boiler Works, Bristol, Va.
Union Iron Works, Hoboken, N. J.
United Boiler Heating & Foundry Co., Hammond, Ind.
Utica Steam Engine & Boiler Works, Utica, N. Y.
Vaile & Young, Bush & Ridgley, Baltimore, Md.
See adv index at end of book

Cold Drawn Screw Stock and Shafting

AGENTS FOR FITZSIMONS CO.

U. S., Soho, and Wayne Brands of Iron

AGENTS FOR BROWN & CO., Inc.

Warehouse Stock at Cambridge

WETHERELL BROS. CO. 251 Albany St., Cambridge, Mass.

Vaile & Young

Bush and Ridgely Streets
Baltimore, Md.

Light Steel Plate Work
Breechings, Pipe, Hoppers
and Other Equipment

Pressed Steel
Stair Treads and Risers

We fabricate to your specifications

Variety Iron & Steel Works Co., Hamilton av & E 40th, Cleveland, O.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Walsh's Holyoke Steam Boiler Works, Holyoke, Mass.
WARREN CITY TANK & BOILER CO. (THE), Warren, Ohio
See adv index at end of book
West Coast Iron & Steel Works, Inc., 3rd & Glisan, Portland, Ore.
Western Drop Forge Co., P. O. Box 386, Marion, Ind.
Western Engineering Corp., Spokane & E Marginal way, Seattle, Wash.
Western Iron & Foundry Co., Wichita, Kans.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Wholey Boiler Works, 95 Whipple, Providence, R. I.
Williamette Iron & Steel Works, 685 Industrial pl., Portland, Ore.
Youngstown Boiler & Tank Co., Youngstown, Ohio
Zimmerman Boiler & Tank Wks., Dayton, O.

Steel Plates & Heads (Sheared)

See Boiler Heads, Flanged & Dished

14236—Steel Plates & Sheets

Aero Wks. Inc., 89 Warren, New York
Allegheny Steel Co., Oliver bldg, Pittsburgh, Pa.
Am. Rolling Mill Co., Middletown, Ohio
American Sheet & Tin Plate Co., Frick bldg., Pittsburgh, Pa.
American Tube & Stamping Co., Bridgeport, Conn.
Ashtabula Steel Co., Ashtabula, Ohio
Bethlehem Steel Co., Steelton, Pa.; & Sparrows Point, Md.
Bourne Fuller Co., Hanna bldg., Cleveland, Ohio
Brier Hill Steel Co., Youngstown, Ohio
Carbon Steel Co. (& Bars in Alloy Special Analyses), Dept H, Ft. 32nd, Pittsburgh, Pa.
Central Iron & Steel Co., Harrisburg, Pa.
Central Steel Co., Massillon, O.
Cleveland Steel Co., Kirby bldg., Cleveland, Ohio
Colonial Iron Wks Co., 881-885 E 67th, Cleveland, Ohio
Crucible Steel Co. of America (Special Quality of Crucible & Open Hearth), Oliver bldg, Pittsburgh, Pa.
Donner Steel Co., 475 Abbott rd, Buffalo, N. Y.
Eddystone Steel Co., Crum Lynne, Pa.
Electro Steel Co. Inc., Curry bldg, Pittsburgh, Pa.
Falcon Steel Co., Niles, Ohio
Forged Steel Wheel Co., Frick bldg., Pittsburgh, Pa.
Halcomb Steel Co. (Sheet Only), Syracuse, N. Y.
Harvey Arthur C. Co., 506 Cambridge, Allston dist., Boston, Mass.
Hawkridge Bros. Co., 303 Congress, Boston, Mass. *See adv index at end of book*
Horner W. S. & Co., Oliver bldg, Pittsburgh, Pa.
Illinois Steel Co., 208 S La Salle, Chicago, Ill.
Ind. Rolling Mill Co., New Castle, Ind.
Industrial Steel Corp., 2704 Granview, Chicago, Ill.
INLAND STEEL CO. (Light Open Hearth), 38 S Dearborn, Chicago, Ill.
Iron Trade Products Co., Farmers Bank bldg., Pittsburgh, Pa.
Jessop Steel Co., Washington, Pa.
Jones & Laughlin Steel Co., Ross, Pittsburgh, Pa.
Kaufman E. & Co., Inc., 143 Liberty, New York
La Belle Iron Works (No. 30 & Heavier), Steubenville, O.
Lackawanna Steel Co., Buffalo, N. Y.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Lukens Steel Co. (Open Hearth, Plates Only), Coatesville, Pa.
Mahoning Valley Steel Co. ("Marasco" Sheets), Niles, Ohio.
Massillon Rolling Mill Co., Massillon, O.
Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, Ohio
See adv index at end of book
Nagle Steel Co., Pottstown, Pa.
Newton Steel Co., Youngstown, Ohio
Ohio Corrugating Co., Warren, O.
Otis Steel Co. (Open-Hearth Steel Plates & Sheets), Riverside Plant, Cleveland, Ohio
Penn Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.
REPUBLIC IRON & STEEL CO. (Open Hearth, Soft & Hard Merchants, Plates Only), Youngstown, O.
For branch offices see alphabetical section
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
Superior Sheet Steel Co., Canton-Louisville rd, Canton, O.
Turl Iron & Car Co. (Inc.), The, 50 Broad, New York. Works: Newburgh, N. Y.
Twin City Boiler Works, Bristol, Va.
Union Iron & Steel Co., 1610 Reading rd, Cincinnati, Ohio
Van Winkle H. L. Co. (Imp.), 160H Beale, San Francisco, Cal.
Warren Iron & Steel Co. (Alloy Steel Plates), Box 396 Warren, O.
Watson Bros. Steel Co., Youngston, O.

Watson Bros. Steel Co.

(Established 1913)

YOUNGSTOWN, OHIO

Steel Sheets All Grades

Immediate shipments.

Branch Warehouse—DETROIT, MICH.

West Penn Steel Co., Brackenridge, Pa.
WETHERELL BROS CO. (Carbon Steel), 251 Albany, Cambridge, Mass.
See adv index at end of book
Wheeling Corrugating Co. ("Crescent" Open Hearth Sheets), Wheeling, W. Va.
Wood Alan Iron & Steel Co. ("A. W.", Iron & Steel, Flue & Plate), Widener bldg, Phila., Pa.
Youngstown Sheet & Tube Co., Youngstown, Ohio

Steel (Plow)

See Steel, Agricultural Implement

14237—Steel (Powder Keg)

American Sheet & Tin Plate Co., Frick bldg, Pittsburgh, Pa.
Bethlehem Steel Co., Bethlehem, Pa.
Boyle Mfg. Co. ("Boyco"), 51st & Santa Fe av, Los Angeles, Cal.
Falcon Steel Co., Niles, Ohio
Wood J. & Bros. Co., Conshohocken, Pa.

14238— Steel (Pressed)

See also Pressed Steel Specialties

Allison Steel Products Co., Dept. H, Chester, Pa.
American Tube & Stamping Co., Bridgeport, Conn.
Berger Mfg. Co. ("Berloy" Joists & Studs), 1038 Belden av, Canton, O.
Bossert Corporation (The), (Joints, Universal Pressed Steel Ball Joints, Joint Housings), cor. Linden & West av, Utica, N. Y.
Boston Pressed Metal Co., 170 Union, Worcester, Mass.
Castle A. M. & Co. (12 Gauge & Heavier), 1132 Blackhawk, Chicago, Ill.
Central Steel Co., Massillon, O.
Commercial Shearing & Stamping Co., Youngstown, Ohio
Dahlstrom Metallic Door Co., 413 Buffalo, Jamestown, N. Y.
See adv index at end of book
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
General Pressed Metal Co., 1524 N Hancock, Phila., Pa.
GEUDER PAESCHKE & FREY CO. (Special Stampings of Every Description), 1314-1790 St. Paul av, Milwaukee, Wis. *See adv index at end of book*
Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.
Hydraulic Pressed Steel Co., 3152 E 61st, Cleveland, O.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Maryland Metal Products Co., Hagerstown, Md.
Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, O.
See adv index at end of book
Oakes Co. (Cold), Indianapolis, Ind.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Pressed Steel Co., N Penn av, Wilkes-Barre, Pa.
Rockwood Sprinkler Co., Worcester, Mass.
Standard Metal Work Co., Thompsonville, Conn.
Wallace Equipment Co., 11th S W, Hanford, Seattle, Wash.
Western Steel Car & Foundry Co., 122 S Michigan, Chicago, Ill.
WORCESTER PRESSED STEEL CO. (Bearings, Fittings & Specialties), Worcester, Mass.
See adv index at end of book
YOUNGSTOWN PRESSED STEEL CO. (Goods to Order), Warren, Ohio
See adv index at end of book

14238a— *Steel (Railroad Track)

Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Pidgeon-Thomas Iron Co., Memphis, Tenn.

Steel Rails

See Rail Mills, Iron & Steel

14239—Steel (Range Boiler)

American Sheet & Tin Plate Co. Frick bldg, Pittsburgh, Pa.
Koven L. D. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book

Steel Ribs & Lagging

See Centering, Steel

Steel Roofing

See Roofing & Siding, Iron & Steel

14240—Steel (Safe & Vault)

Carbon Steel Co., ft. 32nd, Pittsburgh, Pa.
Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
Colonial Steel Co. (5 Ply), 324 4th av, Pittsburgh, Pa.
Hermann Safe Co., 216-24 Fremont, San Francisco, Cal.
Safe-Cabinet Co., Marietta, Ohio.

14241— Steel (Saw)

Aero Works, Inc., 136 Liberty, New York
Carbon Steel Co., ft. 32nd, Pittsburgh, Pa.
Colonial Steel Co., 324 4th av, Pittsburgh, Pa.
Fairley-Davidson Steel Co., 122 Maiden la, New York

(Continued on following page)

Steel (Saw)—Continued

Ind. Rolling Mill Co., New Castle, Ind.
Jessop Steel Co. (for Hand Cross Cut, Hand Hack, etc.), Washington, Pa.
Kaufman E. & Co., Inc., 143 Liberty, New York
Ward's Edgar T. Sons Co. ("Ward"), 394 Freylinghuysen av, Newark, N. J.

14242— Steel Screw Stock

AMERICAN STEEL & WIRE CO. (Free Cutting), 208 S La Salle, Chicago, Ill.
See adv index at end of book
Columbia Steel & Shafting Co., Carnegie, Pa.
Compressed Steel Shafting Co. (Cold Drawn), H Hyde Park av, Readville, Mass.
FITZSIMONS CO. THE, Youngstown, O.
See adv index at end of book
Industrial Steel Corp., 2704 Granview, Chicago, Ill.
Johnson Frank H., 208 S La Salle, Chicago, Ill.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Lancaster Steel Products Corp., Lancaster, Pa.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Livermore Homer F., Inc., 85 Pearl, Boston, Mass.
New England Drawn Steel Co., Mansfield, Mass.
Pittsburgh Shafting Co. of Detroit (Cold Rolled), Detroit, Mich.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
STANDARD GAUGE STEEL CO., Beaver Falls, Pa. *See adv index at end of book*
TOWNSEND CO., New Brighton, Pa.
See adv index at end of book
Union Drawn Steel Co. (Cold Drawn), Beaver Falls, Pa.
See adv index at end of book
Ward's Edgar T. Sons Co. ("Ward"), 394 Freylinghuysen av, Newark, N. J.
Wetherell Bros. Co. ("Fitzsimons"), 251 Albany, Cambridge, Mass.
See adv index at end of book
Wyckoff Drawn Steel Co., Frick bldg., Pittsburgh. Pa.
Youngstown Sheet & Tube Co., Youngstown, Ohio

14243—Steel (Self-Hardening)

Firms marked with a (•) Star are either Jobbers or Importers

Atlas Steel Corp. ("L. X. X.," High Speed Steel), Dunkirk, N. Y.
Balfour Arthur Steel Co., Inc. (Mfrs.' Agts.), 287 Atlantic av, Boston, Mass.
Bethlehem Steel Co. (Open Hearth), South Bethlehem, Pa.
Columbia Tool Steel Co., 552 W Lake, Chicago Heights, Ill.
Crucible Steel Co. of America ("Park's"), Oliver bldg, Pittsburgh, Pa.
Firth Sterling Steel Co. (Water & Oil "Firth Sterling Special"), McKeesport, Pa.
Hammond Steel Co., Inc., Syracuse, N. Y.
Hammond & Irving, Auburn, N. Y.
Harvey Arthur C. Co., 506 Cambridge, Allston Dist., Boston, Mass.
Hawkridge Bros. Co., 303 Congress, Boston, Mass. *See adv index at end of book*
•Hobson-Houghton & Co. ("Soho" Imp.), 83 Beekman, New York
•Houghton & Richards, 145 Oliver, Boston, Mass.
Illingworth Jno. Steel Co., Tacony & Lewis, Phila., Pa.
•Jessop Wm. & Sons (Inc.) (Imp.), 91 John, New York
Latrobe Electric Steel Co., Latrobe, Pa.
•Rossell Henry ("Invanhoe," Made in Sheffield, England), 24 S Jefferson, Chicago, Ill.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Vulcan Crucible Steel Co., Aliquippa, Pa.

14244— Steel Shapes

See also Steel Structural Mills

Brown Steel Co., Marion rd, Columbus, Ohio
Calumet Steel Co., 208 S La Salle, Chicago, Ill.
Central Metal Products Corp. (For Automobile Bodies), Canton, O.
Elyria Iron & Steel Co., 232 E 131st, Cleveland, O.
Fishel & Marks Co., ft. of Krakow av, Cleveland, O.
See adv index at end of book
Framerican Industrial Development Co. (Imp.), 21 E 40th, New York
HARRISBURG PIPE & PIPE BENDING CO. (Low & High Carbon & Alloy Steels), Herr, nr. 10th, Harrisburg, Pa.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Illinois Steel Co., 208 S La Salle, Chicago, Ill.
International High Speed Steel Co., 99 Nassau, New York
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Laclede Steel Co., Arcade bldg, St. Louis, Mo.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, O.
See adv index at end of book
National Drawn Steel Co., East Liverpool, O.
Naylor & Co. (Dlrs., Structural), 120 B'way, New York
Oakes Co. (Pressed), Indianapolis, Ind.
Ryerson Joseph T. & Son, 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Shoemaker-Satterthwait Bridge Co., Pottstown, Pa.
Shunk Mfg. Co., Bucyrus, O.
Smith David H. & Sons, foot of 31st, Brooklyn, N. Y.
See adv index at end of book
Tacony Steel Co. (Small, Special), Franklin Bank bldg, Phila., Pa.
Union Rolling Mill Co., Aetna rd & E 82d, Cleveland, Ohio
Vulcan Mfg. Co., 1200 4th av S, Seattle, Wash.

14244a— Steel Shapes (Pressed)

Columbia Steel Corp., 351 California, San Francisco, Cal.
Heltzel Steel Form & Iron Co. (The), Warren, Ohio
See adv index at end of book
HENSON-BLAIR MFG. CO., 2828 Emerald, Philadelphia, Pa.
Hydraulic Pressed Steel Co., 3152 E 61st, Cleveland, O.
PRESSED STEEL TANK CO. (Seamless), 58th & Greenfield av, West Allis, Milwaukee, Wis.
See adv index at end of book
Shunk Mfg. Co., Bucyrus, O.
Youngstown Pressed Steel Co., Warren O.
See adv index at end of book

14244b— Steel Sheet

See also Iron & Steel Sheet, Black & Galvanized & Steel Plates & Sheets

American Sheet & Tin Plate Co., Frick bldg., Pittsburgh, Pa.
American Steel Band Co., 886 Progress, Pittsburgh, Pa.
Ashtabula Steel Co., Ashtabula, Ohio
Baker-Payne-Voye Co. (Dlrs.), 1177 Adams, Boston, 24 Mass.
Bethlehem Steel Co., Bethlehem, Pa.
Cleveland Steel Co., Kirby bldg., Cleveland, Ohio
Commercial Shearing & Stamping Co. (The), Youngstown, O.
Eastern Rolling Mill Co., Sewer rd, Baltimore, Md.
Eddystone Steel Co., Crum Lynne, Pa.
Fishel & Marks Co., Ft. of Krakow av, Cleveland, O.
See adv index at end of book
Forment & Co. (Galvanized), 150 Bank, New York
Gordon Metal Co. (Jobbers), Dept H, 14th & Dock, Richmond, Va.
Harvey Arthur C. Co., 506 Cambridge, Allston Dist., Boston, Mass.
Jessop Wm. & Sons Inc., 91H John, New York
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Mansfield Sheet & Tin Plate Co., Mansfield, Ohio
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill.
See adv index at end of book
Seneca Iron & Steel Co. (Automobile, etc.), Buffalo, N. Y.
SMITH DAVID H. & SONS, foot of 51st, Brooklyn, N. Y.
See adv index at end of book
Soule Edw. L. Co., Rialto bldg, San Francisco, Cal.
Standard Steel & Wire Co., 1408 Cortland, Chicago, Ill.
Superior Sheet Steel Co., Canton-Louisville rd, Canton, O.
Wheeling Corrugating Co. (Curved), Wheeling, W. Va.
YOUNGSTOWN SHEET & TUBE CO. (Black & Galvanized Steel Sheets Roofing, etc., "Youngstown Copperoid" Steel), Youngstown, O.

14245— Steel Sheet Bars

Allegheny Steel Co. (Open Hearth), Oliver bldg, Pittsburgh, Pa.
Am. Rolling Mill Co., Middletown, Ohio
Andrews Steel Co. (Open Hearth), Newport, Ky.
Ashland Steel Co. (Bessemer Steel Sheet), Ashland, Ky.
Ashtabula Steel Co., Ashtabula, Ohio
Bethlehem Steel Co., Bethlehem, Pa.
Brier Hill Steel Co., Youngstown, O.
Carnegie Steel Co. (Bessemer & Open Hearth), Carnegie bldg, Pittsburgh, Pa.
Central Steel Co. ("Agathon," Bars, Billets and Slabs) Massillon, O.
Cleveland Steel Co., Kirby bldg., Cleveland, O.
Follansbee Bros. Co. (Open Hearth), 3d & Liberty, Pittsburgh, Pa.
HARRISBURG PIPE & PIPE BENDING CO. (Open Hearth), Herr, nr. 10th, Harrisburg, Pa.
Illinois Steel Co., 208 S La Salle, Chicago, Ill.
INLAND STEEL CO. (Open Hearth), 38 S Dearborn, Chicago, Ill.
Iron Trade Products Co., Farmers Bank bldg., Pittsburgh, Pa.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Jones & Laughlin Steel Co., Ross, Pittsburgh, Pa.
La Belle Iron Works (Open Hearth), Steubenville, O.
Lackawanna Steel Co. (Open Hearth, Bessemer), Buffalo, N. Y.
Reeves Mfg. Co., Dover, Ohio
REPUBLIC IRON & STEEL CO. (Open Hearth & Bessemer), Youngstown, O.
See Branch Offices Alphabetical Section
Sharon Steel Hoop Co. (Open Hearth), Finance bldg, Sharon, Pa.
United Alloy Steel Corp. (Open Hearth), Canton, O.
Van Brunt J. A. Co. (Expt. Only), 114 John, New York
West Penn Steel Co., Brackenridge, Pa.
Weirton Steel Co., Weirton, W. Va. (Open Hearth; also Iron "Youngstown"), Youngstown, O.

14246—Steel Sheet Blanking & Forming

Boston Pressed Metal Co., 170 Union, Worcester, Mass.
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Cleveland Steel Co., Kirby bldg, Cleveland, Ohio
Falcon Steel Co., Niles, Ohio
HENSON-BLAIR MFG. CO., 2828 Emerald, Philadelphia, Pa.
McCormack E. A., 29 B'way, New York
Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, O.
See adv index at end of book

14247— Steel Sheet Plates

American Sheet & Tin Plate Co., Frick bldg, Pittsburgh, Pa.
Bethlehem Steel Co., Bethlehem, Pa.
Falcon Steel Co., Niles, Ohio
Haring Ellsworth ("Elhar" Steel Sheets), 114 Liberty, New York
Horner W. S. & Co., Oliver bldg, Pittsburgh, Pa.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Massillon Rolling Mill Co., Massillon, O.
Wood Alan Iron & Steel Co., Widener bldg, Philadelphia, Pa.
See adv index at end of book

14248—Steel Sheets (Aluminum Coated)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
Falcon Steel Co., Niles, Ohio
Wilder Metal Coating & Mfg. Co. (Also Iron), Connellsville, Pa.
Youngstown Sheet & Tube Co., Youngstown, Ohio

14249—Steel Sheets (Blue Annealed)

Am. Rolling Mill Co., Middletown, Ohio
American Sheet & Tin Plate Co., Frick bldg, Pittsburgh, Pa.
Andrews Steel Co. Newport, Ky.
Ashtabula Steel Co., Ashtabula, Ohio
Berger Mfg. Co., 1038 Belden av, Canton, O.
Bethlehem Steel Co., Bethlehem, Pa.
Bourne Fuller Co., Hanna bldg., Cleveland, Ohio
Brier Hill Steel Co., Youngstown, O.
Briggs & Turivas (Dlrs.), 110H S. Dearborn, Chicago, Ill.
Carbon Steel Co., ft. 32nd, Pittsburgh, Pa.
Cleveland Steel Co., Kirby bldg, Cleveland, Ohio
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Columbia Steel Corp., 351 California, San Francisco, Cal.
Eddystone Steel Co., Crum Lynne, Pa.
Falcon Steel Co., Niles, Ohio
Ferguson Steel & Iron Co., Inc., Buffalo, N. Y.
Fisher C. W., 52H Broadway, New York
Follansbee Bros. Co., 3d & Liberty, Pittsburgh, Pa.
Harvey Arthur C. Co., 506 Cambridge, Allston Dist., Boston, Mass.
Horner W. S. & Co., Oliver bldg, Pittsburgh, Pa.
Industrial Steel Corp., 2704 Granview, Chicago, Ill.
Inland Steel Co. (Open Hearth), 38 S Dearborn, Chicago, Ill.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
La Belle Iron Works (Open-Hearth Steel Plates, 3-16 to 18 Gauge), Steubenville, O.

LARKIN & CO., J. K., 253 Broadway, New York

J. K. LARKIN & CO.

253 Broadway
NEW YORK

MANSFIELD SHEET & TIN PLATE CO. (THE), Mansfield, O.
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, O.
See adv index at end of book
National Sales & Trading Co., Cleveland, Ohio
Niles Steel Products Co. (Dlrs.), Niles, O.
See adv index at end of book
Ohio Corrugating Co., Warren, O.
Otis Steel Co., Riverside Plant, Cleveland, Ohio
Paterson-Leitch Co., 936 E 67th, Cleveland, Ohio.
Reeves Mfg. Co., Dover, Ohio
Republic Iron & Steel Co. (Niles Wks.), Niles, O.
RYERSON JOS. T. & SON, INC., 2558 W 16th, Chicago, Ill.
See adv index at end of book
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
Seneca Iron & Steel Co., Blasdell, Buffalo, N. Y.
Sharon Steel Hoop Co. (Basic Open Hearth), Finance bldg, Sharon, Pa.
Sheet Metal Mfg. Co. (Dlrs.), West Federal, Youngstown, O.
Smith David H. & Sons, foot of 51st, Brooklyn, N. Y.
See adv index at end of book

DAVID H. SMITH & SONS, Inc.

Foot of 51st Street
BROOKLYN, N. Y.
Established 1893

Large and Complete Stocks

Immediate Shipments from Warehouse

Trumbull Steel Co., Warren, O.
United Alloy Steel Corp., Canton, Ohio
Van Brunt J. A. Co. (Expt. Only), 114 John, New York
Watson Bros. Steel Co., Youngstown, O.
Wheeling Corrugating Co., Wheeling, W. Va.
Wood J. & Bros. Co., Conshohocken, Pa.

14250—Steel Sheets (Box Annealed)

Am. Rolling Mill Co., Middletown, Ohio
American Sheet & Tin Plate Co., Frick bldg, Pittsburgh, Pa.
Ashtabula Steel Co., Ashtabula, Ohio
Bethlehem Steel Co., Bethlehem, Pa.
Bourne Fuller Co., Hanna bldg., Cleveland, Ohio
Briggs & Turivas (Dlrs.), 110H S. Dearborn, Chicago, Ill.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Columbia Steel Corp., 351 California, San Francisco, Cal.
Falcon Steel Co., Niles, Ohio
Inland Steel Co. (Open Hearth), 38 S Dearborn, Chicago, Ill.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
La Belle Iron Works, Steubenville, O.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
McCullough Iron Co., Equitable bldg, Wilmington, Del.
Mahoning Valley Steel Co., Niles, Ohio
Massillon Rolling Mill Co., Massillon, Ohio
Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, O.
See adv index at end of book
Newton Steel Co., Steinbough bldg, Youngstown, O.
Otis Steel Co., Riverside Plant, Cleveland, Ohio
Parkersburg Iron & Steel Co., Parkersburg, W. Va.
Reeves Mfg. Co., Dover, Ohio
Seneca Iron & Steel Co., Blasdell, Buffalo, N. Y.
Sharon Steel Hoop Co. (Basic Open-Hearth), Finance bldg, Sharon, Pa.
Smith David H. & Sons, foot of 51st, Brooklyn, N. Y.
See adv index at end of book
Superior Sheet Steel Co., Canton-Louisville rd, Canton, O.
Trumbull Steel Co., Warren, O.
United Alloy Steel Corp., Canton, Ohio
Watson Bros. Steel Co. (One Pass Cold Rolled), Youngstown, Ohio
Wheeling Corrugating Co., Wheeling, W. Va.
Youngstown Sheet & Tube Co., Youngstown, Ohio

14251-2—Steel Sheets (Buggy Bow)

Am. Rolling Mill Co., Middletown, Ohio
American Sheet & Tin Plate Co., Frick bldg. Pittsburgh, Pa.
Ashtabula Steel Co., Ashtabula, Ohio
Falcon Steel Co., Niles, Ohio
Follansbee Bros. Co., 3d & Liberty, Pittsburgh, Pa.
Industrial Steel Corp., 2704 Granview, Chicago, Ill.
Mansfield Sheet & Tin Plate Co. (The), Mansfield, O.
Maeder Steel Products Co. (Dlrs.), 617 Vaughn, Portland, Ore.
Massillon Rolling Mill Co., Massillon, Ohio
Reeves Mfg. Co., Dover, Ohio
Sharon Steel Hoop Co., Dept H, Sharon, Pa.
West Penn Steel Co. (Open Hearth), Brackenridge, Pa.
Youngstown Sheet & Tube Co., Youngstown, Ohio

Steel Sheets (Cold Rolled)

See Firms in Steel, Cold Rolled, with word "Sheets" following their names

14253—Steel Sheets (Copper Bearing)

American Sheet & Tin Plate Co., Frick bldg, Pittsburgh, Pa.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Sharon Steel Hoop Co., Dept H, Sharon, Pa.
Wheeling Corrugating Co., Wheeling, W. Va.
Youngstown Sheet & Tube Co., Youngstown, Ohio

14254—Steel Sheets (Enameled)

Ashtabula Steel Co., Ashtabula, Ohio
Buffalo Porcelain Enameling Corp., 1927 Elmwood av, Buffalo, N. Y.
Eastern Rolling Mill Co., Sewer rd, Baltimore, Md.
Falcon Steel Co., Niles, Ohio
Mansfield Sheet & Tin Plate Co., Mansfield, Ohio
Phoenix Metal Stamping Co., 2827H W Fletcher, Phila., Pa.
Seneca Iron & Steel Co., Blasdell, Buffalo, N. Y.
Sharon Steel Hoop Co., Dept H, Sharon, Pa.
VITREOUS ENAMELING CORPORATION, 6800 Grant av, Cleveland, Ohio
See adv index at end of book

14255—Steel Sheets for Shovels, Saws, Hoes, Springs, Etc.

American Sheet & Tin Plate Co. (Shovels, Hoes, etc), Frick bldg, Pittsburgh, Pa.
Carbon Steel Co., ft 32d, Pittsburgh, Pa.
Eynon-Evans Corp., N 15th & Clearfield, Phila., Pa.
Falcon Steel Co., Niles, Ohio
Halcomb Steel Co. (For Saws, Springs, Cutlery, etc.), Syracuse, N. Y.
Harvey Arthur C. Co., 506 Cambridge, Allston Dist., Boston, Mass.
Ind. Rolling Mill Co., New Castle, Ind.
Kaufman E. & Co., Inc., 143 Liberty, New York
Reeves Mfg. Co., Dover, Ohio
Rowland Wm. & Harvey, Inc., Tacony & Lewis, Phila., Pa.
Sharon Steel Hoop Co., Dept H, Sharon, Pa.
WETHERELL BROS CO., 351 Albany, Cambridge, Mass.
See adv index at end of book
Youngstown Sheet & Tube Co., Youngstown, Ohio

Steel Sheets for Stamped Ware

See Iron & Steel Sheet, Black & Galvanized

Steel Sheets (Galvanized)

See Iron & Steel Sheet, Black & Galvanized

14256—Steel Sheets ("Lohmanized")

Bourne Fuller Co., Hanna bldg., Cleveland, Ohio
Republic Iron & Steel Co. (Niles Wks.), (Non-Corrosive), Niles, O.
Trumbull Steel Co. (Long Terms), Warren, O.

14257—Steel Sheets (Pickled)

Allegheny Steel Co. (Cold Rolled), Oliver bldg, Pittsburgh, Pa.
American Sheet & Tin Plate Co., Frick bldg, Pittsburgh, Pa.
Ashtabula Steel Co., Ashtabula, Ohio
Bethlehem Steel Co., Bethlehem, Pa.
Brier Hill Steel Co., Youngstown, O.
Briggs & Turivas (Dlrs.), 110H S. Dearborn, Chicago, Ill.
Carbon Steel Co., ft 32d, Pittsburgh, Pa.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Eastern Rolling Mill Co., Sewer rd, Baltimore, Md.
Falcon Steel Co., Niles, Ohio
Falcon Tin Plate Co., Niles, O.
Harvey Arthur C. Co., 506 Cambridge, Allston Dist., Boston, Mass.
Inland Steel Co. (Open Hearth), 38 S Dearborn, Chicago, Ill.
Jessop Steel Co., Washington, Pa.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Mahoning Valley Steel Co., Niles, Ohio
Mansfield Sheet & Tin Plate Co. (The), Mansfield, O.
Massillon Rolling Mill Co., Massillon, O.
Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, O.
See adv index at end of book
Newton Steel Co., Steinbough bldg, Youngstown, Ohio
Otis Steel Co., Riverside Plant, Cleveland, Ohio
Reeves Mfg. Co., Dover, Ohio
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill.
See adv index at end of book
Seneca Iron & Steel Co. (For Sheet Metal Stamping, etc.), Blasdell, Buffalo, N. Y.
Sharon Steel Hoop Co., Dept H, Sharon, Pa.
Sheet Metal Mfg. Co. (The), (Jobbers), Box 508, Youngstown, O.
TICE-TINSLEY STEEL CO. (THE), (Seconds), Terminal bldg, Youngstown, O.
United Alloy Steel Corp., Canton, Ohio
Watson Bros. Steel Co. (For Stamping) Youngstwn, O.
West Penn Steel Co. (Open Hearth), Brackenridge, Pa.
Wood Alan Iron & Steel Co. ("A. W."), Widener bldg., Phila., Pa.
Wood J. & Bros. Co., Conshohocken, Pa.
Youngstown Sheet & Tube Co., Youngstown, Ohio

14258—Steel Sheets (Planished & Polished)

American Sheet & Tin Plate Co. (Polished Only), Frick bldg, Pittsburgh, Pa.
Ashtabula Steel Co., Ashtabula, Ohio
Follansbee Brothers Co. (Polished), 3d & Liberty, Pittsburgh, Pa.
Harvey Arthur C. Co., 506 Cambridge, Allston Dist., Boston, Mass.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Mansfield Sheet & Tin Plate Co. (Polished Only), Mansfield, O.
Massillon Rolling Mill Co. (Polished, also for Stove Purposes), Massillon, O.
Merchant & Evans, Washington av & 21st, Phila., Pa.
Ohio Corrugating Co., Warren, O.
651 Spencer, Toledo, O.
Weirton Steel Co. (Polished), Weirton, W. Va.
Wheeling Corrugating Co. ("Crescent"), Wheeling, W. Va.
Youngstown Sheet & Tube Co., Youngstown, Ohio

14259-60— Steel Sheets (Re-Annealed)

Am. Rolling Mill Co., Middletown, Ohio
American Sheet & Tin Plate Co., Frick bldg, Pittsburgh, Pa.
Ashtabula Steel Co., Ashtabula, Ohio
Bethlehem Steel Co., Bethlehem, Pa.
Bourne Fuller Co., Hanna bldg., Cleveland, Ohio
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Falcon Steel Co., Niles, Ohio
Lederle Robert B. (And Design), Witherspoon bldg, Phila., Pa.
Massillon Rolling Mill Co., Massillon, Ohio
Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, O.
See adv index at end of book
Reeves Mfg. Co., Dover, Ohio
Sharon Steel Hoop Co., Dept H, Sharon, Pa.
Trumbull Steel Co., Warren, O.
United Alloy Steel Corp., Canton, Ohio
West Penn Steel Co. (Open Hearth), Brackenridge, Pa.
Youngstown Sheet & Tube Co., Youngstown, Ohio

14261-2— Steel Shovel Plate

Ashtabula Steel Co., Ashtabula, Ohio
Brier Hill Steel Co., Youngstown, O.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Falcon Steel Co., Niles, Ohio
Harrisburg Pipe & Pipe Bending Co., Herr St. nr. 10th, Harrisburg, Pa.

(Continued on following page)

Steel Shovel Plate—Continued

Indiana Rolling Mill Co. (High Carbon Sheet Steel for Shovel Plate, Grain Drill & Harrow Discs, etc), New Castle, Ind.
Kaufman E. Co., Inc., 143 Liberty, New York
La Belle Iron Works, Steubenville, O.
Lessig Geo. B. Co., Pottstown, Pa.
Republic Iron & Steel Co. (Niles Wks.), Niles, O.
Sharon Steel Hoop Co., Dept H, Sharon, Pa.
Tremont Nail Co., West Wareham, Mass.
Warren Iron & Steel Co., Box 396, Warren, Ohio
Wheeling Steel Corp., Wheeling, W. Va.
Wyoming Shovel Works, Wyoming, Pa.

Steel Skelp

See Iron & Steel Skelp

Steel Slabs

See Billets, Blooms & Slabs, Steel

14263— Steel (Soft)

Ashtabula Steel Co., Ashtabula, Ohio
Baker W. W. Co. & Co., 940 No. Front, Phila., Pa.
Bittenbender Co., Scranton, Pa.
Central Steel Co. ("Agathon" Bars, Billets and Slabs), Massillon, O.
Columbia Steel & Shafting Co. (Hot & Cold Rolled Strip for Stamping Drawing, etc.), Carnegia, Pa.
Crucible Steel Co. of America ("Diamond," Soft Center Plow, etc), Oliver bldg, Pittsburgh, Pa.
Elliott-Blair Steel Co. (Bright Dead for Sewing Machine, Typewriter & Bicycle Parts, etc), New Castle, Pa.
Inland Steel Co. (Bars, Plates, Shapes, Sheets, etc.), 38 S Dearborn, Chicago, Ill.
Interstate Iron & Steel Co. (Flats, etc) 104 S Michigan av, Chicago, Ill.
Lancaster Steel Products Corp., Lancaster, Pa.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Lockhart Iron & Steel Co. (In Bars, Hexagons, grooved, etc.), McKees Rocks, Pa.
Moline Plow Co. ("Flying Dutchman" "Acme" Soft Center Plow), Moline, Ill.
New England Drawn Steel Co. (Screw & Shafting), Mansfield, Mass.
Niles Steel Products Co., Niles, Ohio.
See adv index at end of book
Pardee C. Works (Open Hearth), Perth Amboy, N. J.
Parkersburg Iron & Steel Co. ("National" Bessemer Sheets Re-Annealed), Parkersburg, W. Va.
Pennington Geo. W. Sons, Inc. (Hammered Lathe Steel), 1699 Montgomery, San Francisco, Cal.
Republic Iron & Steel Co. (Open Hearth), Youngstown, O.
For branch offices see alphabetical section
Rockaway Rolling Mill (Bar), Rockaway, N. J.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*

STEEL

Bars, Shapes, Beams, Plates, Sheets, Strips, Bolts and Nuts, Rivets, Chain, Shafting, Boiler fittings, etc.

Send for Stock List

JOSEPH T. RYERSON & SON INC.

Chicago St. Louis Cincinnati Detroit
Buffalo New York

San Francisco Steel Products Co., 44 Natoma, San Francisco, Cal.
Soulé Edw. L. Co., Rialto bldg, San Francisco, Cal.
Superior Steel Co. (Hot & Cold Rolled Hard & Soft, for Stamping & Drawing), 529H Union Arcade, Pittsburgh, Pa.
Sweets Steel Co., Williamsport, Pa.
Union Rolling Mill Co. (Bars, etc.), Aetna rd & E. 32d, Cleveland, O.
Wood Alan Iron & Steel Co. (Blue Annealed Sheets & Special Soft Steel for Deep Stamping & Drawing), Widener bldg, Phila., Pa.
Wood J. & Bros. Co. (Sheets), Conshohocken, Pa.

14264— Steel (Spring)

Aero Works, Inc., 136 Liberty, New York
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
American Tube & Stamping Co., Bridgeport, Conn.
Athenia Steel Co. (Flat, Tempered & Polished for Clock, Watch, Motor & Typewriter Springs), 135 William, New York
Atlas Steel Corp., Dunkirk, N. Y.
Barnes The Wallace Co., Bristol, Conn.
See adv index at end of book
Bethlehem Steel Co. (Open Hearth), South Bethlehem, Pa.
Bourne Fuller Co., Hanna bldg., Cleveland, Ohio
Boker H. & Co., Inc. (Cold Roller) "Novo Superior," "Intra," "Gibraltar"), 101 Duane, New York
Braeburn Steel Co., Braeburn, Pa.
Carbon Steel Co., ft 32d, Pittsburgh, Pa.
Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
Central Steel Co. ("Agathon," Bars, Billets & Slabs), Massillon, Ohio
Crowley John A. Co., 120 Liberty, New York
Crucible Steel Co. of America (Crucible Open Hearth), Oliver bldg, Pittsburgh, Pa.
Donner Steel Co., 475 Abbott rd, Buffalo, N. Y.
Duke Steel Co., Inc., 191 Pearl, New York
Fairley-Davidson Steel Co., 122 Maiden la, New York
Fisher C. W., 52H Broadway, New York
Frasse Peter A. & Co. (Inc,), 417 Canal, New York; Works: Hartford.
Harvey Arthur C. Co., 506 Cambridge, Allston Dist., Boston, Mass.
Ind. Rolling Mill Co., New Castle, Ind.
Industrial Steel Corp., 2704 Granview, Chicago, Ill.
Interstate Iron & Steel Co., 104H S. Michigan av, Chicago, Ill.
Iron Trade Products Co., Farmers Bank bldg., Pittsburgh, Pa.
Kaufman E. & Co., Inc., 143 Liberty, New York
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Latrobe Electric Steel Co., Latrobe, Pa.
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
Newman C. Wire Co. (Annealed, Tempered, Tempered & Polished, etc., Flat), 25 Church, New York
Pittsburgh Cold Rolled Steel Co., Plum st, Verona, Pa.
Potts H. T. & Co., Erie & D, Phila., Pa.
Railway Steel Spring Co., 30 Church, New York
Republic Iron & Steel Co., Youngstown, O.
See Branch Offices Alphabetical Section
Scott, Suyden & Lamont, Monadnock bldg., San Francisco, Cal.
Standard Steel & Wire Co., 1408 Cortland, Chicago, Ill.
Swedish Steel Sales Co., Suite 1420, Grand Central Terminal bldg, New York
Sweets Steel Co., Williamsport, Pa.
Tacony Steel Co., Tacony, Phila., Pa.
Union Spring & Mfg. Co., New Kensington, Pa.
United Alloy Steel Corp. (Alloy Steel, Open Hearth & Electric Furnace; Chrome Vanadium, Chrome Silico, Crucia Carbon, Silico Manganese, Chrome Molybdenum), Canton, Ohio
Vulcan Crucible Steel Co., Aliquippa, Pa.
Ward's Edgar T. Sons Co. ("Ward"), 394 Freylinghuysen av, Newark, N. J.
Ward's Edgar T. Sons Co. (Stocks for immediate delivery), 44-54 Farnsworth, Boston, Mass.
Wetherell Bros. Co. (Sheet), 251 Albany, Cambridge, Mass.
See adv index at end of book
Wyoming Shovel Works (Open-Hearth & Crucible, Wyoming, Pa.

14264a— Steel (Stainless)

Am. Stainless Steel Co., Oliver bldg., Pittsburgh, Pa.
Atlas Steel Corp., Dunkirk, N. Y.
Hawkridge Bros. Co. ("Haicomb"), 303 Congress, Boston, Mass.
See adv index at end of book

14265— Steel Strips (Stamping, Pickled)

Central Steel Co. ("Robal"), Massillon, O.
Columbia Steel Co., Elyria, O.
Erie Metal Products Co., Erie, Pa.
HARRISBURG PIPE & PIPE BENDING CO., Herr nr 10th, Harrisburg, Pa.
Ind. Rolling Mill Co., New Castle, Ind.
Kaufman E. & Co., Inc., 143 Liberty, New York
Laclede Steel Co. (& Deep Drawing), Arcade bldg, St. Louis, Mo.
Mills Co., 5320 St. Clair av, Cleveland, O.
Sharon Steel Hoop Co., Dept. H, Sharon, Pa.
West Leechburg Steel Co., Farmers Bank bldg., Pittsburgh, Pa.
Superior Steel Corp., 529H Union, Pittsburgh, Pa.

14266—Steel Structural Dealers

Allen W. H., Jr., 110 State, Boston, Mass.
Austin & Doten, 102 North, Boston, Mass.
Bacon & Co., 107 Oliver, Boston, Mass.
Belmont Iron Works, 22d & Wash av, Phila., Pa.
Bethlehem Construction Co., Bethlehem, Pa.
Bethlehem Fabricators, Inc., Bethlehem, Pa.
Blodgett & Clapp Co., 1417 Main, Hartford, Conn.
Borrmann Geo. R., Monadnock bldg, San Francisco, Cal.
Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
Brooks T. H. & Co., Cleveland, O.
Brown-Wales Co., 489 C, Boston, Mass.
California Iron Yards Co., 34 Missouri, San Francisco, Cal.
Canton Bridge Co., Dept. H, Belden & 10th N E, Canton, O.
Carlson Forgings Co., 733 Fulton, Chicago, Ill.
Castle A. M. & Co. of Washington, 32 W Connecticut, Seattle, Wash., & 1132 Blackhawk, Chicago, Ill.
Christensen Wm., York, Pa.
Cooke Jno. K. & Son, Inc., Athenia, N. J.
Crozier R. J. Co., 10 S 18th, Phila., Pa.
Davenport Machine & Foundry Co., Davenport, Ia.
Davies Jno. J. & Co., 20th & Clearfield, Phila., Pa.
Decatur Cornice & Roofing Co., New Decatur, Ala.
De Cou Richard Co., 12th & Noble, Phila., Pa.
Dietrich Bros., Pleasant & Davis, Baltimore, Md.
Eichleay John Jr., Co., 20th & Wharton, Pittsburgh, Pa
Faitoute Iron & Steel Co., 180 Frelinhuysen av, Newark, N. J.
Fishel & Marks Co., Ft. of Krakow av, Cleveland, O.
See adv index at end of book
Fisher C. W., 52H B'way, New York
Froment & Co., 150 Bank, New York
Globe Mercantile Corp., Monadnock bldg., San Francisco, Cal.
Griffith-Custer Steel Co., Johnstown, Pa.
Goldberg J. & Son (Second Hand), 7500 Indep av, Kansas City, Mo.
Harrington-Robinson & Co., 110 High, Boston, Mass.
Harvey Arthur C. Co., 506 Cambridge, Allston dist, Boston, Mass.
Heughes F. L. & Co., Inc., Rochester, N. Y.
Hofius L. C. Steel & Euipment Co., Smith bldg, Seattle, Wash.
Hoffman R. C. & Co., Continental bldg, Baltimore, Md.
Holliday W. J. & Co., 1512 N Meridian, Indianapolis, Ind.
Houston C. B. & Co., Iron Liberty bldg, Philadelphia, Pa.
Hurwitz Bros. Iron & Metal Co., Syracuse, N. Y.
Industrial Steel Corp., 38 S Dearborn, Chicago, Ill.
International Steel & Iron Co., Evansville, Ind.
Jamestown Construction Co., Jamestown, N. Y.
Kansas City Structural Steel Co., 114 N 10th, Kansas City, Mo.
Kratzer W. N. Co., 3212 Smallman, Pittsburgh, Pa.
Lackawanna Bridge Co., Buffalo, N. Y.
See adv index at end of book
Llewellyn Iron Works, 1200 N Main, Los Angeles, Cal.
Lockwood Arthur J., 260 West, New York
Lukens Steel Co., Coatsville, Pa.
Mesker Geo. L. & Co., Evansville, Ind.
Mills Co. (The), 5322 St. Clair av, Cleveland, O.
See adv index at end of book
Minneapolis Steel & Machinery Co., 2354 Minnehaha av, Minneapolis, Minn.
Morris Wheeler & Co., 30th & Locust, Phila., Pa.
Mt. Carmel Iron Works, Mt. Carmel, Pa.
New England Iron Wks. Inc., New Haven, Conn.
Northwest Steel Co., Gasco bldg, Portland, Ore.
Ogden & Wallace, 577 Greenwich, New York
Peninsula Iron & Steel Co., 770 Folsom, San Francisco, Cal.
Pierson & Co., 29 B'way, New York
Pittsburgh Bridge & Iron Wks., Farmers' Bank bldg, Pittsburgh, Pa.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Providence Steel & Iron Co., Kinsley av, Providence, R. I.
Raleigh Iron Works Co., Raleigh, N. C.
Richmond Structural Steel Co., 18th & Dock, Richmond, Va.
Rieseck Iron Works, 1201 Metropolitan, Pittsburgh, Pa.
Rolph-Mills & Co., 149 California, San Francisco, Cal.
Russel Wheel & Foundry Co., Chene Blvd & RR, Detroit, Mich.
St. Joseph Structural Steel Co., St. Joseph, Mo.
Schofield's J. S. Sons Co., Hammond & Edgewood av, Macon, Ga.
Schreiber L & Sons Co., 2869 Ivanhoe, Cincinnati, O.
Scully Steel & Iron Co, 2864 S Ashland av, Chicago, Ill.

Smith Samuel Machine Co., Lawrence, Mass.
Soulé Edw. L. Co. (Iron & Steel Products of All Kinds), Rialto bldg, San Francisco, Cal.
Southern Foundry Co. (Beams Cut & Punched), Owensboro, Ky.
Speddy T. H. Co., 73 Main, San Francisco, Cal.
Stupp Bros. Bridge & Iron Co., 916 Locust, St. Louis, Mo.
Sussman Frank & Co., 1730 Pacific av, Tacoma, Wash.
Thomson W. H. & Co., Land Title bldg, Phila., Pa.
Toy W. M. & Co., 10 E Shelby, Sidney, Ohio
Tulsa Boiler & Machy. Co., Tulsa, Okla.
Union Foundry Works, 38 S Dearborn, Chicago, Ill.
Union Iron & Steel Co., 1610 Reading rd, Cincinnati, O.
Uris Abe, Iron & Steel Corp., 38 S 8th, Brooklyn, N. Y.
Vance John C. Iron & Steel Co., 1108 Carter, Chattanooga, Tenn.
Vanderlip H. E. & Co., 155 N Clark, Chicago, Ill.
Wallace Equipment Co., 11th S W, Hanford, Seattle, Wash.
Western Metal Supply Co., 247 7th, San Diego, Cal.
West Side Structural Co., Troy, N. Y.
Wilkins J. D., 204 W Lee, Greensboro, N. C.
Wilkoff Co., Youngstown, Ohio
Wilson, Wm. H., Iron Works, Rochester, N. Y.
Woodward Wight & Co., Howard av & Constance, New Orleans, La.
Worden-Allen Co., Pt. Washington rd, Milwaukee, Wis.

14267—Steel Structural Mills

See also Steel (Angles, Channels & Shapes)

*Indicates Mills that Fit Structural Work
†Indicates Mills that Roll I Beams

***†American Bridge Co. (Open Hearth Steel Angles, Beams, Deck Beams, Channels, Tees, Zees, etc.), 30 Church, New York**
†Bethlehem Steel Co. (Bessemer & Open Hearth Angles, Beams, Channels, Tees & Special Wide Flanged Rolled Beams & Girders), South Bethlehem, Pa.
Blaw-Knox Co., Farmers' Bank bldg, Pittsburgh, Pa.
Booth J. B. & Co., 216 E Robinson, Pittsburgh, Pa.
Bourne Fuller Co., Hanna bldg., Cleveland, Ohio
Braun J. G., 669 S Paulina, Chicago, Ill.
Buffalo Steel Co. (Bessemer Steel Angles, Channels, Tees, etc), Tonawanda, N. Y.
†Carnegie Steel Co. (Bessemer & Open Hearth Steel Angles, Beams, Girders, Channels, Tees, Zees, etc), Carnegie bldg., Pittsburgh, Pa.
Central Iron & Steel Co. (Universal Bridge & Structural Plates), Dept. H, Harrisburgh, Pa.
Chrome Steel Works (Chrome Steel Angles 3, 4, 6, & 8 inch), Chrome, N. J.
Concrete Steel Co., 42 B'way, New York
De Pere Mfg. Co., West De Pere, Wis.
***†Eastern Steel Co. (Open Hearth Steel Angles, Beams, Channels, Tees, etc), Pottsville, Pa.**
Fernald Co. (Small Cold Channels), 275 Natoma, San Francisco, Cal.
Ft. Wayne Iron Steel Rolling Mills (Small Channels for Fire Escapes, Fences, etc), W. Taylor, Ft. Wayne, Ind.
Frement & Co., 150 Bank, New York
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Glasgow Iron Co. (Iron & Steel Bridge Plates), Pottstown, Pa.
Hamilton Wm. Sons Car Co., Newark, O.
***†Illinois Steel Co. (Bessmer & Open Hearth Steel Angles, Beams, Channels, Tees, Zees), 208 S La Salle, Chicago, Ill.**
INLAND STEEL CO. (Open Hearth & Steel Angles, I Beams, Channels, Tees, etc.), 38 S Dearborn, Chicago, Ill.
Interstate Iron & Steel Co. (Angles, Channels, Tees, etc), 104 Michigan av, Chicago, Ill. Works: East Chicago, Ind.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
***†Jones & Laughlin Steel Co. (Angles, Beams, Channels, Tees, etc), Ross, Pittsburgh, Pa.**
Judson Mfg. Co. (Structural & Agricultural Shapes), 819 Folsom, San Francisco, Cal.
Kawneer Co. (Iron & Steel Cold Drawn Channels), 1226 Front, Niles, Mich.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Lockhart Iron & Steel Co. (Bridge Iron & Iron & Steel Angles & Channels), McKees Rocks, Pa.
Logan Iron & Steel Co. (Bridge Iron & Angles), St. Girard bldg., Phila., Pa.
Lukens Steel Co. (Open Hearth Steel Ship & Bridge Plate), Coatesville, Pa.
Minn. Steel Co., H Morgan Park, Duluth, Minn.
National Pressed Steel Co., Massilon, O.
National Sales & Trading Co., Cleveland, Ohio
Ohio Falls Iron Co. (Small Iron, Angles, Tees & Channels), New Albany, Ind.
Paterson-Leitch Co., 936 E 67th, Cleveland, Ohio
Penna. Brake Beam Co. (Deck & I Beams, Brake Beams, etc), Danville, Pa.
***†Phoenix Iron Co. (Open Hearth Steel Angles, Beams, Channels, Tees, etc), 22 S 15th, Philadelphia, Pa. Works: Phoenixville, Pa.**
Pidgeon-Thomas Iron Co., Memphis, Tenn.
Pollak Steel Co., Cincinnati, Ohio
Red Oak Bridge & Iron Works, Red Oak, Ia.
Republic Iron & Steel Co. (Light Steel Angle & Channels; also Open Hearth Steel Angles), Oliver bldg, Pittsburgh, Pa.
For branch offices see alphabetical section
Scott, Suyden & Lamont (Beams, Angles, Channels, Tees & Zees), Monadnock bldg., San Francisco, Cal.
Scullin Steel Co., 6700 Manchester, St. Louis, Mo.
Selikowitz S. D. (Mill Agent), 90 West, New York
Sharon Steel Hoop Co. (Perforated & Light Metal Channels), Sharon, Pa.
Steel & Iron Products Co. (Joist), 1911 Emerson av, Chicago, Ill.
Stolz Jos. & Son Inc., Commerce av & W 170th, New York
Tennessee Coal, Iron & R. R. Co. (Open Hearth Steel Angles, Channels, Tees, etc), Birmingham, Ala.
Union Rolling Mill Co., Aetna rd & E 82nd, Cleveland, O.
Vulcan Mfg. Co. (Angles, Channels, Shapes & Tees), 1200 4th av, So Seattle, Wash.
Wilkoff Co. (Beams & Angles), Youngstown, Ohio
Wisconsin Steel Co. (Bars Bands, etc.), 606 S. Michigan, Chicago, Ill.
YOUNGSTOWN PRESSED STEEL CO. "Youngstown," "Sharon" Cold Formed Angles & Channels)
See adv index at end of book

Steel Structural Shapes (Mfrs.)

See Steel Structural Mills

14268—Steel Structural Work

Star (*) indicates Firms who also Build Steel Bridges

ALABAMA.

BIRMINGHAM—Ingalls Iron Works Co.
Johnson & Thompson Co.
*Southern Bridge Co.
Virginia Bridge & Iron Co.
MOBILE—Mobile Steel Co. (Buildings), Knox & Conception
MONTGOMERY—Hartley Boiler Works
Janney & Co.

ARKANSAS.

LITTLE ROCK—Arkansas Foundry Co.

CALIFORNIA.

COALINGA—Baker Casing Shoe Co. (Bridges)
FRESNO—Burnett J. H. Iron Wks.
Kyle & Co. Inc., 333G
LOS ANGELES—Baker Iron Works
Brombacher Iron Works, 55555 Magnolia
Friedman-Lowith Iron Works, 2500 E 24th
Friedman Philip & Son, Pacific blvd at 50th
Llewellyn Iron Works
***Mercereau Bridge & Const. Co.**
Modern Iron Works, 2514 McPherson
Pacific Iron & Steel Co. Inc., 2637 Humbolt.
Union Iron Works, 5125 Santa Fe av
Wetzel K. O. & Co., 694 S Rio, Los Angeles, Cal.
OAKLAND—California Steel Co. Inc., 2d & Harrison
*Herrick Iron Works, 13th & Campbell
Jansen Iron Works
SACRAMENTO—*Pollock George Co.
SAN DIEGO—National Iron Works, Ft. 7th
SAN FRANCISCO—*Bay City Iron Works, 1243 Harrison
Brode Iron Works, 31-37 Hawthorne st
California Steel Co., Hobart bldg.
Central Iron Works (Fabricated), 2050 Bryant
*Dyer Bros. Iron Works, 17th & Kansas
Fair Mfg. Co., 617 Bryant
***Healy-Tibbitts Construction Co.**
***Hyde, Harjes & Co., 110 Market**
Judson Mfg Co., 819 Folsom.
McCormick Bros. Iron Works, 617 Bryant
Mortenson Construction Co., 19th & Indiana
Pacific Rolling Mills Co., 17th & Mississippi
Pacific Structural Iron Works, 270 10th
Pioneer Construction Co., 180 Jessie
Ralston Iron Works, 20th & Indiana
San Francisco Bridge Co., Nevada Bank bldg
Schrader Iron Works, 1247 Harrison
Sims & Gray Iron Works, 550 Bryant
***Thomson Bridge Co., 103 Main**
***Western Iron Works, 141 Beale**
Yuba Mfg. Co., Insurance bldg
515 Santa Fe av.
SAN JOSE—Hellwig R.
STOCKTON—Builders Iron Works Inc., 1514 E Scotts
Seiler Iron Works, Inc., 945 S. Pilgrim.
Stockton Iron Works, Lindsay & Har-

COLORADO.

COLORADO SPRINGS—Hassell Iron Wks. Co.
DENVER—*American Bridge Co.
Denver Engineering Works Co.
*Denver Steel & Iron Works Co., W Colfax & Larimer
Queen City Iron & Wire Works Co.
Verdeckberg Iron & Wire Works Co., 1109 California
PUEBLO—*Pueblo Bridge Co.

CONNECTICUT.

BERLIN—*Berlin Construction Co.
BRIDGEPORT—Atlas Iron Works Inc., 255H Island Brook av
Bridgeport Boiler Works Co.
NEW HAVEN—Farmer Jas. E., 41 Judson av
New England Iron Works Inc.
New Haven Boiler Works, Inc., 37 Mill
NEW LONDON—*Scott T. A. Co.
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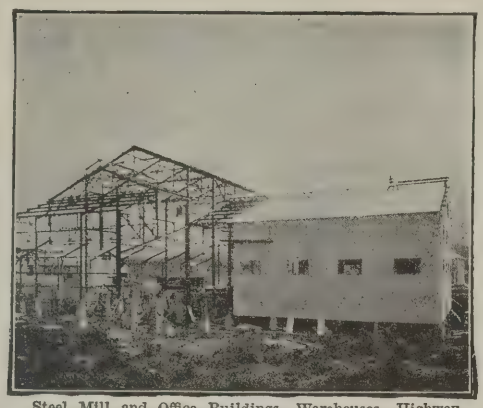
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See adv index at end of book

Steel Tipples & Trestles

See Tipples, Mine

14271— Steel (Toe Calk)

Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.
Illinois Steel Co., 208 S La Salle, Chicago, Ill.
Sweets Steel Co., Williamsport, Pa.

14272— Steel (Tool)

See also Steel, Crucible; also Steel Bar Mills

Aero Works, Inc., 136 Liberty, New York
Anglo-Saxon Supply Co., Inc. (Dealers), 290 Pearl, New York
Atlas Steel Corp. ("Deward" Oil Hardening, Nonshrinking), also "Condor," "Falcons," "Beaver" Fast Finishing & Bearing), Dunkirk, N. Y.
Balfour Arthur Steel Co., Inc. (Mfr.'s Agts.), 287 Atlantic av, Boston, Mass.
Bethlehem Steel Co., (High Speed, Crucible, Carbon, Magnet, Electric Furnace & Special Crucible Steel), Bethlehem, Pa.
Boker H. & Co., Inc. (Cold Rolled) (Crucible Cast, "Novo Superior," "Intra," "Gibraltar"), 101 Duane, New York
Bourne Fuller Co., Hanna Bldg., Cleveland, Ohio
Carbon Steel Co., (Pneumatic & Hand Chisels) Dept. H, Ft. 32nd, Pittsburgh, Pa.
Carpenter Steel Co. (Crucible for Files, Cutlery, Dies, Wire, etc.), River rd & Exeter, Reading, Pa.
Century Steel Co. of Am., Poughkeepsie, N. Y.
Colonial Steel Co., 324 4th av, Pittsburgh, Pa.
Colonial Supply Co., 217 Water, Pittsburgh, Pa.
See adv index at end of book
Conn. Electric Steel Co., Inc. ("Phillipsite Conesco"), Hartford, Conn.
Continental Steel & Supply Co., 527H Howard, San Francisco, Cal.
Duke Steel Co. Inc., 191 Pearl, New York
Electro Steel Co., Inc., Curry bldg, Pittsburgh, Pa.
Fairley-Davidson Steel Co., Inc., 122 Maiden Lane, New York
Federal Tool & Alloy Steel Corp., ("Acorn" "Federal" "Sisco"), 64 Rutledge, Brooklyn, N. Y.
Firth Sterling Steel Co. ("Firth Sterling" Stainless), McKeesport, Pa.
Fisher C. W., 52H B'way, New York
Fishel & Marks Co., Ft. of Krakow Ave., Cleveland, Ohio
See adv index at end of book
Froment & Co., 150 Bank, New York
General Trading & Export Co., Inc., (Dealers), Whitney Central Bldg., New Orleans, La.
Gladium Co., 34H Cliff, New York
Greaves Robt. K. & Co., 1336 W Washington blvd., Chicago, Ill.
Halcomb Steel Co. ("Dreadnought," "Ketos," "L. C. T.," "Double Special," "Special," "Extra," "Liberty"), Syracuse, N. Y.
Hammond & Irving, Auburn, N. Y.
Harvey Arthur C. Co., 506 Cambridge, Allston dist., Boston, Mass.
HAWKRIDGE BROS. CO. ("Hawk," "Hawk Special," "Hawk H.," "Hawk Header Die," "Hawk Vanadium," "Hawk Alloy Striking Die," "Hawk Silverware Striking Die," "Ketas," "Standard"), 303 Congress, Boston, Mass. *See adv index at end of book*
Haynes Steelite Co. ("Steelite"), Kokomo, Ind.
Heller Bros. Co., ("Heller's" Alloy High Speed), 370H Mt. Prospect av, Newark, N. J.
Hercules Electric Steel Corp., 14 Lafayette, New York
Hidalgo Steel Co., 53 Park pl, New York
IRVING, ROBERT M., 310 E Genesee, Syracuse, N. Y.
Jessop Wm. & Sons, Inc., 91 John, New York
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Latrobe Elec. Steel Co. ("Uranium"), Latrobe, Pa.
Ludlum Steel Co., ("Albany" "Huron" "Mohawk" "Extra" "Pompton" Special "Utica" alloy & "Silcrome"), Watervliet, N. Y.
Midvale Co. (Carbon & Alloy), Nicetown, Phila., Pa.
Morris E. K. & Co. (Dealers), 317 W 2nd, Cincinnati, O.
National Sales & Trading Co. (All Grades), Cleveland, Ohio
Pennington Geo. W. Sons, Inc. (Hammered lathe steel), 1699 Montgomery, San Francisco, Cal.
Poldi Steel Corp. of Am., 115 Broadway, New York
Potts Horace T. & Co., Erie & D, Phila., Pa.

Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*

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Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
Simonds Mfg. Co., Lockport, N. Y.
Smith David H. & Sons, Foot of 51st, Brooklyn, N. Y.
See adv index at end of book
Standard Steel & Wire Co., 1408 Cortland, Chicago, Ill.
Steel Sales Corp., 129 S. Jefferson, Chicago, Ill.
SWEDISH STEEL SALES CO., LTD., Suite 1420, Grand Central Terminal bldg, New York
Sweets Steel Co., Williamsport, Pa.
Tacony Steel Co., Franklin Bank bldg, Phila., Pa.
Ward's Edgar T. Sons Co., 44-54 Farnsworth, Boston, Mass.
Ward's Edgar T. Sons Co. ("Ward"), 394 Freylinghuysen av, Newark, N. J.
Western Alloy & Tool Steel Co., Inc. ("Watco" Jobbers), 576 Bryant, San Francisco, Cal.
WETHERELL BROS. CO., 251 Albany, Cambridge, Mass.
See adv index at end of book
Wheelock, Lovejoy & Co., Inc., ("Whelco"), 150 Nassau, New York
Woodward Wight & Co. ("Strength & Wear"), Dept. H, Howard av & Constance, New Orleans, La.

Steel Towers

See Tanks & Towers, Steel

14273—Steel U Bars & Shapes

Bourne Fuller Co., Hanna Bldg., Cleveland, Ohio
Braun J. G., 609 S Paulina, Chicago, Ill.
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O. *See adv index at end of book*
Calumet Steel Co. (U Harrow Bars), 208 S La Salle, Chicago, Ill.
Elyria Iron & Steel Co., 232 E 131st, Cleveland, Ohio
Illinois Steel Co., 208 S La Salle, Chicago, Ill.
Interstate Iron & Steel Co., 104 S Michigan av, Chicago, Ill. Mills: East Chicago, Ind.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Jones & Laughlin Steel Co., Ross, Pittsburgh, Pa.
Republic Iron & Steel Co., Youngstown, O.
See Branch Offices Alphabetical Section
Union Rolling Mill Co., Aetna rd & E 82nd, Cleveland, O.

14274—Steel (Umbrella Rod)

American Sheet & Tin Plate Co., Frick bldg, Pittsburgh, Pa.
LARKIN & CO., J. K., 253 Broadway, New York *See adv index at end of book*

14275— Steel (Vanadium)

Andrews Steel Co. (& Chrome), Newport, Ky.
Bourne Fuller Co., Hanna bldg, Clevelaad, O.
Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
Central Steel Co. ("Agathan," Bars, Billets and Slabs), Massillon, Ohio
Cyclops Steel Co., 120 B'way, New York
Donner Steel Co., 475 Abbott rd, Buffalo, New York
Duke Steel Co. Inc., 191 Pearl, New York
Electric Alloy Steel Co., Youngstown, O.
Harvey Arthur C. Co., 506 Cambridge, Allston dist., Boston, Mass.
Hawkridge Bros. Co., 303 Congress, Boston, Mass. *See adv index at end of book*
Interstate Iron & Steel Co., 104H S Michigan Av., Chicago, Ill.
Sivyer Steel Casting Co., Milwaukee, Wis.
Swedish Steel Sales Co., Suite 1420, Grand Central Terminal bldg, New York
United Alloy Steel Corp. (Billets, Blooms, Slabs, Bars, Ingots & Plates), Canton, Ohio
Vanadium Alloys Steel Co., Latrobe, Pa.
Vanadium Corp. of America, Equitable Bldg., New York

14276—Steel (Vanadium, Plates, Sheets, Etc.)

Carbon Steel Co. (Plates, Automobile Steel, etc), ft. 32nd, Pittsburgh, Pa.
Carnegie Steel Co. (Open Hearth Bars, Plates, Sheets, Shapes, etc), Carnegie bldg, Pittsburgh, Pa.
Colonial Steel Co. (Crucible & Open Hearth Bars, Plates, Sheets, Die Blocks, Tool Steels, Drill Rods, etc), 324 4th av, Pittsburgh, Pa.
Crowley John A. Co., 120 Liberty, New York
Crucible Steel Co. of America (Crucible, Open Hearth & Electric Furnace, Bars, Plates, Sheets, Die Blocks, Tool Steels, Drill Rods, etc), Oliver bldg, Pittsburgh, Pa.
Firth-Sterling Steel Co. (Crucible Bars & burgh, Pa.
Halcomb Steel Co., (Crucible & Electric Furnace Bars, Sheets, Drill Rods, Tool Steel & Cold Drawn), Syracuse, N. Y.
Hawkridge Bros. Co., 303 Congress, Boston, Mass. *See adv index at end of book*
Ind. Rolling Mill Co., New Castle, Ind.
Jessop Steel Company (Sheets & Saw Steel etc), 91 John, New York. Works: Washington, Pa.
Kaufman E. Co., Inc., 143 Liberty, New York
McInnes Steel Co. (Ltd.) (Crucible Tool Steel), Corry, Pa.
United Alloy Steel Corp. (Chrome Vanadium Bars & Plates), Canton, O.
Vulcan Crucible Steel Co. (Crucible & Open Hearth Bars, Tool Steels & Die

14277—Steel (Vanadium Tool)

Allen Edgar & Co., Ltd., 718 W Lake, Chicago, Ill.
Bethlehem Steel Co. (Crucible), South Bethlehem, Pa.
Carbon Steel Co (Open Hearth), ft. 32nd, Pittsburgh, Pa.
Carpenter Steel Co. (Crucible), Reading, Pa.
Colonial Steel Co. (Crucible & Open Hearth), 324 4th av, Pittsburgh, Pa.
Crowley John A. Co., 120 Liberty, New York
Crucible Steel Co. of America (Crucible & Open Hearth), Oliver bldg, Pittsburgh, Pa.
Duke Steel Co. Inc., 191 Pearl, New York
Fairley-Davidson Steel Co., 122 Maiden Lane, New York
Firth Sterling Steel Co. (C. Y. W. Choice"), McKeesport, Pa.
Halcomb Steel Co., (Crucible), Syracuse, N. Y.
HAWKRIDGE BROS CO., 303 Congress, Boston, Mass. *See adv index at end of book*
Heller Bros. Co. (Crucible), 879 Mt. Prospect av, Newark, N. J.
Jessop Wm. & Sons, Inc., 91 John, New York
McInnes Steel Co. (Crucible), Corry, Pa.
Poldi Steel Corp. of America, 115 Broadway, New York
Swedish Steel Sales Co., Suite 1420, Grand Central Terminal bldg, New York
Vanadium Alloys Steel Co. (Crucible), Latrobe, Pa.
Vulcan Crucible Steel Co. (Crucible & Acid Open Hearth), Aliquippa, Pa.

14278—Steel (Well Bit & Jar)

Carbon Steel Co., ft. 32d, Pittsburgh, Pa.
Colonial Steel Co., 324 4th av, Pittsburgh, Pa.

14279—Steel Wool & Shavings

American Steel Wool Mfg. Co. ("American" & "Ideal"), 13 Desbroses, New York
Chep Steel Wool Co., 343 Greenwich av, New York
Glogau & Co., Great Lakes bldg, Chicago, Ill.
Hanson F. C. ("Hanson's" Bessemer), Southbridge, Mass.
Rhodes Jas. H. & Co. (Dealers), 2310 S Albany, Chicago, Ill.
Ridgely Trimmer Co., Springfield, O.
Sizer Steel Co., 240 Larkin, Buffalo, N. Y.
Swedish Steel Sales Co., Suite 1420, Grand Central Terminal bldg, New York
Thurston F. W. Co. (Imp.), 1832 S Clark, Chicago, Ill.
Waddell R. J. & Co. ("National"), 52 Beekman, New York

Steel Work (Drawn)

See Pressed Steel Specialties

Steel Works Construction

See Blast Furnace & Steel Works Construction

14280—Steels (Butchers', Etc.)

American Cutlery Co. (Table & Butchers'), 764 Mather, Chicago, Ill.
Boker Cutlery & Hardware Co. ("Peppercorn"), 101 Duane, New York
Brecht Co., 1201 Cass av, St. Louis, Mo.
Chatillon Jno. & Sons, 85 Cliff, New York
Clyde Cutlery Co., Clyde, O.
Columbus Brass Co., (Aluminum Seep Plates), 538 Dublin Av., Columbus, Ohio *See adv index at end of book*
Foster Bros. & Chatillon Co., Fulton, N. Y.
Goodell Co., Antrim, N. H.
Graef & Schmidt ("Twin Brand" Imp.), 107 Chambers, New York
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Meriden Cutlery Co., Meriden, Conn.
Nichols' W. E. Sons & Co., 52 Mill, Greenfield, Mass.
Stortz John & Son, 210 Vine, Phila., Pa.
Wells Corporation, The ("Nichols Bros"), 15 Arch, Greenfield, Mass.
See adv index at end of book
White Ira F. & Son Co., Bloomfield, N. J.

Steerers (Steam)

See Engines, Steering

14281— Steins (Beer)

Bennett Edwin Pottery Co., Eden & Fleet, Baltimore, Md.
Fresno Rubber Stamp Co., 1923 Fresno. Fresno, Cal.
Owen China Co., Minerva, O.
Sebring China Co., Sebring, O.
Zanesville Art Pottery Co., Zanesville, O. Blocks), Aliquippa, Pa.

14282— Stencils

Adams, S. G. Stamp & Stationery Co., (Brass & Copper), 412 N. 6th, St. Louis, Mo.
Allen Bros., 17 Cornhill, Boston, Mass.
Allen Doane & Co., 29 Cornhill, Boston, Mass.
American Stamp Mfg. Co., 85 John, New York
Arnold's J. H. Sons, 47 Fulton, New York
Ashbery Henry C., 285 Washington, Buffalo, N. Y.
Atlanta Rubber Stamps & Stencil Works (For Cotton Mills), Atlanta, Ga.
Bailey Geo. P. & Son, Rochester, N. Y.
Banning W. E. Stamp & Stencil Works, Syracuse, N. Y.
Barton Mfg. Co. (Steel), 173 Broadway, New York
Black A. S., 126 Main av, Cincinnati, O.
BORGSTROM O. J., INC., 118 S Clinton, Chicago, Ill.
Bourne Jno R., Rochester, N. Y.
Bradley A. J. Mfg. Co., 101 Beekman, New York
Buchlein's Henry Sons, 27 Green, Newark, N. J.
Bunting Stamp Co., 713 Liberty av, Pittsburgh, Pa.
Butler A. G., Inc., 158 Chambers, New York
Consolidated Stamp Mfg. Co. (Jobbers), 87 Maiden la, New York
Cunningham M. E. Co., 625 Smithfield, Pittsburgh, Pa.
Dayton Stencil Works (Steel), Dayton, O.
Dickey-Grahler Works (Steel & Brass), W Madison & 103d, Cleveland, O.
Dixie Seal & Stamp Co., Atlanta, Ga.
Everett A. & Son, Auburn, N. Y.
Everson & Reed Co., 88 Chambers, New York
Fries A. J. (Steel), 717 Sycamore, Cincinnati, O.
Gibson A. C. Co., 340 Washington, Buffalo, N. Y.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
HANSON C. H. CO., THE, 178 N Clark, Chicago, Ill.
Hill Independent Mfg. Co., High & P. & R. R., Emerald & Adams, Phila., Pa.
Hoggson & Pettis Mfg. Co. (Steel), New Haven, Conn.
Johnston Thos. H,. Harrisburg, Pa.
Kasper Stamp & Seal Co., 1103 Locust, St. Louis, Mo.
Kautz Fred C. & Co., 2633 W Lake, Chicago, Ill.
Kersting J. H., 2 Howard, New York
Koch Gustav & Co., 120 S Clark, Chicago, Ill.
Koehler Henry L. Mfg. Co., Louisville, Ky.
Leonhardt Louis (Ltd.), 94 Warren, New York
Los Angeles Rubber Stamp Co., 15th & S Los Angeles, Los Angeles, Cal.
Love Joseph V. & Co., Galveston, Tex.
Martin & Co. (Steel), 119 S Clark, Chicago, Ill.
Matthews, Jas. H. & Co. (Brass, Copper & Zinc), 3942 Forbes, Pittsburgh, Pa.
See adv index at end of book

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Mayer Geo. J. Co., 2030 N Alabama, Indianapolis, Ind.
Melind Louis Co., 362 W Chicago av, Chicago, Ill.
Meyer & Wenthe, 30 S Jefferson, Chicago, Ill.
Moise-Klinkner Co., 369 Market, San Francisco, Cal.
Monce S. G. (Steel), Unionville, Conn.
Morse, C. H. & Son, 15H S Water, Rochester, N. Y.

(Continued on following page)

Stencils—Continued

Moss Hy. & Co., ("Markwell"), 81 Broad, New York
Moss Theo. & Co., ("Themco"), 349 Adams, Brooklyn, N. Y.
Murdock W. Jas. Co., 116 Opera pl, Cincinnati, O.
Ness Geo. M. Jr., 61 Fulton, New York
N. Y. Stencil Works, 100 Nassau, New York
Noble & Westerbrook Mfg. Co., Hartford, Conn.
Northwestern Stamp Works, 110 E 3rd, St. Paul, Minn.
Ohio Steel Stamp Co., 211 High, cor. E 2nd, Cleveland, O.
Pacific Coast Stamp Works, 912 3d av, Seattle, Wash.
Pacific Rubber Stamp Co., 112 E 4th, Los Angeles, Cal.
Pannier Bros. Stamp Co., 207-9 Sanduskey, Pittsburgh, Pa.
Patrick & Co., 560H Market, San Francisco, Cal.
Pittsburgh Stamp Co., Inc., 817H Canal, Pittsburgh, Pa.
Power J. H. & Co., 50 High, Boston, Mass.
Quaker City Stencil & Stamp Wks., 234 Arch, Phila., Pa.
R. & S. Engraving & Die Works, 617-631 W. Jackson blvd, Chicago, Ill.
See adv index at end of book
RAPID ADDRESSING MACHINE CO., ("Indexograph"), 32 W 23rd, New York. *See adv index at end of book*
Reed & Skeppstrom, 625 W Jackson blvd, Chicago, Ill. *See adv index at end of book*
Reese S. W. & Co. ("Eureka" Adjustable), 44 Vesey, New York
Reynolds Stamp & Stencil Works, 103 Westminster, Providence, R. I.
Sackmann F. A. (Steel), 810 Prospect, S E, Cleveland, O.
Salt Lake Stamp Co., Salt Lake City, Utah
Schmutz Mfg. Co., Inc., 17th & Walnut, Louisville, Ky.
Schneider Louis, 249 Market, Newark, N. J.
Schweizer C. K., 520 N 3rd, St. Louis, Mo.
Schwerdtle Stamp Co. (Steel), 43 Cannon, Bridgeport, Conn.
Smith R. H. Mfg. Co., Springfield, Mass.
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.
Spokane Stamp Works, Spokane, Wash.
Stencil Treasury (Steel), 209 E 59th, New York
Stewart R. A. & Co., 80 Duane, New York
Swisher R. D. Mfg. Co. (Brass), 415H S. Clinton, Chicago, Ill.
Time & Emery Co., 9 S Clinton, Chicago, Ill.
Timme E. A. & Son, 554 Main, Worcester, Mass.
Toledo Stamp & Stencil Co., 450 Huron, Toledo, O.
Troy Rubber Stamp Works, Troy, N. Y.
Tully Rubber Stamp Works, 45 California, San Francisco, Cal.
Turner S. B. & Son, Norfolk, Va.
Universal Stamp Works, 285 Market, Newark, N. J.
Utermohle G. A. & Co., 133 Cheapside, Baltimore, Md.
Wardsworth Engraving Co., Springfield, O.
Western Stamp & Stencil Co., Omaha, Neb.
Williams Chas F. Stamp Co. (Steel), 38 Chardon, Boston, Mass.
Wright Greg. G. & Son, 119 Opera pl, Cincinnati, O.

14283— Steps (Automobile)

Columbus Bolt Works Co., Columbus, O.
Columbus Brass Co., (Aluminum Step Plate), 620 Dublin av, Columbus, O.
See adv index at end of book
English & Mersick Co., New Haven, Conn.
Michigan Stamping Co., Mack & Outer Belt Line, Detroit, Mich.
Springfield Aluminum Plate & Castings Co., (Aluminum), Springfield, O.

14284— Steps (Pole)

American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
AMERICAN STEEL & WIRE CO. ("American"), 208 S La Salle, Chicago, Ill. *See adv index at end of book* . .
Bethlehem Steel Co., So Bethlehem, Pa.
Capital Electric Co., Salt Lake City, Utah
Carolina Cross Arm Co., Elkin, N. C.
Chicago Railway Signal & Supply Co., 122H S Michigan av, Chicago, Ill.
Creaghead Engineering Co., 340 Main, Cincinnati, O.
Crescent Tool Mfg. Co., 1002 Cass Av., St. Louis, Mo.
Cutter Geo. Co. (Removable), South Bend, Ind.
Electric Railway Equipment Co., Cincinnati, O.
Fletcher Mfg. Co., Dayton, O.
Galvanized Products Co., Phillipsburg, N. J.
Grabler Mfg. Co., Cleveland, O.
Gravely B. F. & R. P., Martinsville, Va.
Hallett Iron Works ("Hallett" Double Pointed & Detachable Butt, etc.), Harvey, Ill.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Joslyn Mfg. & Supply Co., Chamber of Com. bldg, Chicago, Ill.
Kansas City Bolt & Nut Co., Kansas City, Mo
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
M. E. Bolt & Steel Co., Everett, Mass.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Republic Iron & Steel Co., Youngstown, O.
See Branch Offices Alphabetical Section
St. Louis Malleable Casting Co., 7700 N. B'way, St. Louis, Mo.
Strieby & Foote Co., 301 Ogden, Newark, N. J.

14285— Steps (Sewer)

Atlas Car & Mfg. Co. (Manhole) Cleveland, Ohio
See adv index at end of book
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Starke Adolph (Est. of) Columbia & Sigourney, Brooklyn, N. Y.

14286-7— Steps (Sill)

Kansas City Bolt & Nut Co., Kansas City, Mo.
Lyons, F. P. Iron Works, (Fabricators) Dept. H, Manchester, N. H.
Steel Car Forge Co., Frick bldg, Pittsburgh, Pa.

14288— Stereopticons

Amusement Supply Co., 5 S Wabash av, Chicago, Ill.
Beseler Chas. Co., 131 E 23rd, New York
Breck Photoplay Supply Co., San Francisco, Cal.
Brenkert Light Protection Co., 49 Cortlandt av, Detroit, Mich.
De Vry Corp. (Portable) 1248 Marianna, Chicago, Ill.
Enterprise Optical Mfg. Co., 564 W Randolph, Chicago, Ill.
Fox Arthur W., 33 Schermerhorn, Brooklyn, N. Y.
McIntosh Stereopticon Co., 30 E Randolph, Chicago, Ill.
Newton C., 331 W 18th, New York
Thompson Albert T. & Co., 15 Tremont pl., Boston, Mass.
Underwood & Underwood, 417 5th av, New York
Universal Electric Stage Lighting Co., Inc. (Kliegl Bros.), ("Kliegl Bros."), 321 W 50th, New York
Victor Animatorgraph Co., Davenport, Ia.
Williams Brown & Earle, 918 Chestnut, Phila., Pa.

14289— Stereoscopes

White H. C. Co., North Bennington, Vt.

Sterilizers (Dairy)

See Pasteurizers, Milk, etc

14290— Sterilizers (Electric)

American Sterilizer Co., 12th & Plum, Erie, Pa.
Automatic Elect. Sterilizer Co. (Barbers', Surgical, etc), Hamilton, O.
BARNSTEAD STILL & STERILIZER CO., INC., (Gas or Steam for Hospitals, Surgeons, Dentists), 3 Lanesville terrace, Boston, Mass.
See adv index at end of book
Castle Wilmot Co., Rochester, N. Y.
Halverson Co., 37 E Oak, Portland, Ore.
Hulbert Electro-Steam Mfg. Co. ("Hulbert" Electro-Steam), 76H Tehama, San Francisco, Cal.
Presto Elec. Co., Inc., 703 Market, San Francisco, Cal.
Prometheus Electric Co., 358 W 13th, New York
R. U. V. Co., 383 Madison, New York

Sterilizers (Milk)

See Pasteurizers, Milk, etc.

14291—Sterilizers (Milk Bottle)

American Sterilizer Co., 12th & Plum, Erie, Pa.
Barnstead Mfg. Co. (Nursing, "Improved Barnstead" for Home Use), 62 Washington, No Boston, Mass.
Bernstein Mfg. Co., 3d & Allegheny, Phila., Pa.
Biggs Boiler Works Co., Case av & Williams, Akron, Ohio
See adv index at end of book
Creamery Package Mfg. Co., 61 W Kinzie, Chicago, Ill.
Davis-Watkins Dairymen's Mfg. Co., Dept H, North Chicago, Ill.
U. S. Bottlers' Machinery Co. ("U. S."), 4015 N Rockwell, Chicago, Ill.
Western Dairy Supply Co., 729 E Washington, Los Angeles, Cal.
York Milk Machinery Co. (& Can) M. & P. R. R., York Pa.

14292— Sterilizers (Water)

American Sterilizer Co. (For Hospitals, etc), Erie, Pa.
Barnstead Mfg. Co. ("Improved Barnstead" Electric, Gas & Steam for Hospitals), 62 Washington, N Boston, Mass.
BARNSTEAD STILL & STERILIZER CO., (Electric, Steam, Gas & Oil for Hospitals) 3 Lanesville Terrace, Boston, 30 Mass. *See adv index at end of book*
Bernstein Mfg. Co., 3d & Allegheny, Phila., Pa.
Cal. Filter Co., 465 California, San Francisco, Cal.
Castle Wilmot Co., Rochester, N. Y.
Electric Water Sterilizer & Ozone Co. (Electric), Scottdale, Pa.
Hill Pump Valve Co. ("Oxone"), 4001-21 Belmont av, Chicago, Ill.
Hospital Supply Co., 153 E 23rd, New York
Jewell Polar Co., 9 S Clinton, Chicago, Ill.
Lomis Manning Filter Mfg. Co., 37th & Reed, Phila., Pa.
Pittsburgh Water Heater Co., Jenkins bldg, Pittsburgh, Pa.
Wallace & Tiernan Co., Inc., 1 Mill, Bellville, Newark, N. J.

14293— Sterilizing Apparatus

American Sterilizer Co. (For Hospitals, etc), Erie, Pa.
Barnstead Mfg. Co. ("Improved Barnstead" Electric, Gas & Steam for Hospitals for Water Instruments, Utensils, Dressings & Bedding), 62 Washington, No. Boston, Mass.
BARNSTEAD STILL & STERILIZER CO., INC., (Electric, Steam & Gas for Hospitals, Surgeons, Dentists, etc.) 3 Lanesville terrace, Boston 30, Mass. *See adv index at end of book*
Bernstein Mfg. Co., 3d & Allegheny, Phila., Pa.
Biggs Boiler Works Co., Case av & Williams, Akron, O.
See adv index at end of book
Boekel Wm. & Co., 518 Vine, Phila., Pa.
Bramhall, Deane Co. (For Hospitals, etc), 261 W 36th, New York
Castle, Wilmot Co. ("Autoclave"), Rochester, N. Y.
Climax Machinery Co. (For Milk), Indianapolis, Ind.
Clow Jas. B. & Sons, ("R. U. V."), 534 S Franklin, Chicago, Ill.
Devine J. P. Co., 1372 Clinton, Buffalo, N. Y.
Hospital Supply Co. (For Hospitals), 153 E 23rd, New York
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Jewell Water Improvement Co. (Chlorine), 548 W Washington, Chicago, Ill.
Kny-Scheerer Corp., 119 7th av, New York
Kronman, Inc., E., 211 W 19th, New York
Ladd John W. Co., 2016H W. Lafayette, Detroit, Mich.
National Appliance Co., ("Autoclave" Steam Pressure), 935 Sandy blvd., Portland, Ore.
Northwestern Steel & Iron Works (Milk Bottle), Eau Claire, Wis.
Oakland Copper & Brass Wks., 7th & Kirkham, Oakland, Cal.
POWERS REGULATOR CO. (Automatic Temperature Control for Sterilizers), 2773 Greenview av, Chicago, Ill.
See adv index at end of book
Prometheus Electric Corp., 360 W 13th, New York
Ray Geo. A. Mfg. Co. (Sterilizers & Steamers. All Copper, Nickel Plated, etc), for Barbers Only), 1495 Niagara, Buffalo, N. Y.
Raymond Mfg. Co. (For Laundries), Sangatuck, Conn.
Ruv Co., Inc., 383 Madison av, New York
Schaefer Copper Works, Inc., (for Hospitals) 523 N. 22nd, Portland, Ore.
Sheet Metal Mfg. Co., W. Federal, Youngstown, O.
Sholes, Inc., 186 Lafayette, New York
Silver & Co. (Milk), 304 Hewes, Brooklyn, N. Y.
Standard Water Systems Co. ("Tripure"), Hampton, N. J.
Toledo Cooker Co. (Milk), Toledo, O.
Twentieth Century Machinery Co., Nat'l Bank Bldg, Milwaukee, Wis.
Whitall Tatum Co., 48 Barclay, New York
Wilmot-Castle Co., Rochester, N. Y.

14294— Sticking Tommies

Laughlin Thos. Co., Portland, Me.
See adv index at end of book
Marine Hardware Equipment Co., S Portland, Me.
Wilcox Crittenden & Co., Inc., 444 So. Main, Middletown, Conn.
See adv index at end of book

14295— Sticks (Candy)

BOGERT & HOPPER, INC. (Wood Sucker, Taffy, etc), 57 Barclay, New York. *See adv index at end of book*
CUTTER - TOWER CO., INC., 405H Lexington av, New York
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

Est. 1847 **E. B. ESTES & SONS**
Manufacturers of
Candy Sticks
Meat Skewers, Flag Sticks, Floral Sticks, and Small Splint and Rod Work Generally
364 5th Avenue, New York City

Minto Tooth Pick & Specialty Co., Dept. H, Mayville, Mich.
Stiles, H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book

14296— Sticks (Clapper)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book

14297— Sticks (Clothes)

Stevenson Mfg. Co., So. Bend, Ind.
See adv index at end of book

14298— Sticks (Cutter)

Carrom Co., Ludington, Mich.
Menasha Mfg. Co. (For Paper Mills), Menasha, Wis.
Zimmer Mfg. Co., 59 Beekman, New York

14299— Sticks (Drum)

Bernheimer & Blumenthal Co., Inc., 138 W 14th, New York
Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

14300—Sticks (Hockey & Polo)

Campbell & Dann Mfg. Co. (Hockey), Tullahoma, Tenn.
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Lebzelter P. & Son Co., Lancaster, Pa.
Shepard H. G. & Sons, James & River, New Haven, Conn.
Smith G. W. & Son, Canterbury, Conn.
Torrey Bros. Co., Central Village, Conn.

14301-2— Sticks (Plant)

Beverstock O. D. Co., Keene, N. H.
Bogert & Hopper Inc., 57 Barclay, New York. *See adv index at end of book*
Chase Benj. Co., Derry, N. H.
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book

14303—Sticks (Printers' Composing)

Chandler & Price Co. ("Buckeye," "Yankee," Common Screw, Perfect News, etc), 6000 Carnegie av, Cleveland, O.
Eagle Engineering Co. ("Star"), Springfield, O.

14304—Sticks (Shoemakers' Size)

Lufkin Rule Co., Saginaw, Mich.

14305— Sticks (Stretcher)

Bogert & Hopper, Inc. (Glove), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons (Chair & Glove), 364 5th av, New York
See adv index at end of book
Strock L. W. & Co. (For Mines), Bethlehem, Pa.

14306—Sticks (Track Switch)

Strieby & Foote Co., 301 Ogden, Newark, N. J.

14307—*Sticks (Turned Wood)

ESTES E. B. & SONS (Candy, Taffy, Manicure, Floral, Drum, Clapper, Flag, Gambrel, etc), 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

14308— Sticks (Umbrella)

Ackerson S, 10 E 15th, New York
Gigrich A. A. & Co., Amityville, N. Y.

14309— Sticks (Welding)

Chicago Hardware Foundry Co. (Aluminum, Brass & Iron), North Chicago, Ill.
Ideal Bronze Co., 1265 E 55th, Cleveland, Ohio
United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.

14310— Stiffeners (Heel)

Fate-Root-Heath Co. ("Universal," "Lion," "R.-H." Steel), Plymouth, O.
See adv index at end of book
Stowell Co., The ("Lyon," Adustable), S Milwaukee, Wis.

14310a— Stills (Acetone)

Badger E. B. & Sons Co., 75a Pitts, Boston, Mass. *See adv index at end of book*
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Devine J. P. Co., 1372 Clinton, Buffalo, N. Y.
Krenz Oscar Copper & Brass Wks., 612H Bryant, San Francisco, Cal.
Lummus, Walter E. Co., 171 Milk, Boston, Mass.
Oat Joseph & Sons, 228 Quarry, Phila., Pa.
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.
Scott Ernest & Co. ("Scott"), Fall River, Mass.

14311— Stills (Acid)

American Welding Co., Carbondale, Pa.
Badger E. B. & Sons Co., 75a Pitts, Boston, Mass. *See adv index at end of book*
Baeuerle & Morris, 932 N Front, Phila., Pa.
Bethlehem Foundry & Machine Co., South Bethlehem, Pa.
Biggs Boiler Works Co., Case av & Williams, Akron, O.
See adv index at end of book
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Case W. A. & Sons Mfg. Co., 31 Main, Buffalo, N. Y.
Elyria Enameled Products Co., Elyria, O.
Lummus, Walter E. Co. (Acetic), 171 Milk, Boston, Mass.
Joubert & Goslin Mach. & Fdry. Co. (Fatty), Birmingham, Ala.
Petroleum Iron Works Co. of Ohio, Sharon, Pa. *See adv index at end of book*
Stuart & Peterson Co., Burlington, N. J.

14312—Stills (Alcohol, Rum, Etc.)

American Copper & Brass Works, 614 E Front, Cincinnati, O.
Badger E. B. & Sons Co., 75a Pitts, Boston, Mass. *See adv index at end of book*
Baeuerle & Morris, 932 N Front, Phila., Pa.
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Braun-Knecht-Heimann Co. (Alcohol), 576-584 Mission, San Francisco, Cal.
Case W. A. & Sons Mfg. Co., 31 Main, Buffalo, N. Y.
Devine J. P. Co., 1372 Clinton, Buffalo, N. Y.
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
Krenz Oscar Copper & Brass Wks., 612H Bryant, San Francisco, Cal.
Lummus Walter E. Co. (Specialty Wood Alcohol), 171 Milk, Boston, Mass.
OAT JOSEPH & SONS, 228 Quarry, Phila., Pa.
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.
Phila. Coppersmithing Co., 222 N Front, Phila., Pa.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Seibel-Suessdorf Copper & Iron Mfg. Co., 2d & Gratiot, St. Louis, Mo.
Struthers-Wells Co. (Wood Alcohol), Warren, Pa.
Stuart & Peterson Co., Burlington, N. J.

14312a— Stills (Ammonia)

Badger E. B. & Sons Co., 75a Pitts, Boston, Mass. *See adv index at end of book*
Bartlett-Hayward Co., Scott & McHenry, Baltimore, Md.
Bethlehem Foundry & Machine Co., Bethlehem, Pa.
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Glamorgan Pipe & Foundry Co., Lynchburg, Va.
Lummus, Walter E. Co., 171 Milk, Boston, Mass.
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Sowers Mfg. Co., 1320 Niagara, Buffalo, N. Y.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.

14312b— *Stills (Aniline)

Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.

14312c—Stills (Benzol Refining)

Bartlett, Hayward & Co., Scott & McHenry, Baltimore, Md.
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Lummus, Walter E. Co., 171 Milk, Boston, Mass.
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.

14312d— Stills (Cast Iron)

Bethlehem Foundry & Machine Co., Bethlehem, Pa.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Clow James B. & Sons, Franklin & Harrison, Chicago, Ill.
Duriron Castings Co., Dayton, O.
Elyria Enameled Products Co. (Enameled), Elyria, O.
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Glamorgan Pipe & Foundry Co., Lynchburg, Va.
Hamler Boiler & Tank Co., Dept. H, W 66th & 60th av, Chicago, Ill.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
U. S. Cast Iron Pipe & Foundry Co., Burlington, N. J.
Warren Fdry. & Pipe Co., 11 Broadway, New York

14313—*Stills (Cheese Box for Oil)

Bourne Fuller Co., Hanna bldg, Cleveland, Ohio
HAMMOND IRON WORKS, Warren, Pa.
See adv index at end of book

14314— Stills (Copper)

American Copper & Brass Works, 614 E Front, Cincinnati, O.
Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
Badger E. B. & Sons Co., 75a Pitts, Boston, Mass. *See adv index at end of book*
Baeuerle & Morris, 932 N Front, Phila., Pa.
Blymyer Iron Works Co. (For Sugar Cane, etc), Cincinnati, O.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Burkhard Thomas, 494 Flushing av, Brooklyn, N. Y.
Case W. A. & Sons Mfg. Co., 31 Main, Buffalo, N. Y.
Deuel Chas. C. Co., 631 Jones, Detroit, Mich.
Devine J. P. Co., 1372 Clinton, Buffalo, N. Y.
Flynn Wm. S., 76 Hudson, Jersey City, N. J.
Gerdes & Co., 42 Church, New York
See adv index at end of book
Harris Arthur & Co., 212 Curtis, Chicago, Ill.
Hoffman-Ahlers Co., 828 E Pearl, Cincinnati, O.
Keller George, 1051 Wycoff av, B'klyn, N. Y.
Krenz Oscar Copper & Brass Wks., 612H Bryant, San Francisco, Cal.
Langsenkamp, F. H., 130 E Georgia, Indianapolis, Ind.
Laubeheimer Geo. E. Co., 17 N La Salle, Chicago, Ill.
Lummus Walter E. Co. (Jacketed, Coil & Fire Heated), 173 Milk, Boston, Mass.
McMillan Metal Co. (Turpentine), Savannah, Ga.
Oakland Copper & Brass Wks., 7th & Kirkham, Oakland, Cal.
Oat Joseph & Sons, 228 Quarry, Phila., Pa.
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.
Philadelphia Coppersmithing Co. (Multiple, Effects), 222 N Front, Phila., Pa.
Roos' August Son, 429 E 91st, New York
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Seibel-Suessdorf Copper & Iron Mfg. Co., 2d & Gratiot, St. Louis, Mo.
Squier Geo. L. Mfg. Co., B'way & Mortimer, Buffalo, N. Y.
Standard Water Systems Co. ("Tripure"), Hampton, N. J.
STENDER COPPERSMITH CO. (THE), 2930 Stillman, Pittsburgh, Pa.
See adv index at end of book
Stokes F. J. Machine Co., 17th & Cambria, Phila., Pa.
Trageser John Steam Copper Works, 457 W 26th, New York
Vulcan Copper Works Co., 120 Sycamore, Cincinnati, O.
Young Bros. Co., 6500H Mack av, Detroit, Mich.
Zobler Otto Mfg. Co., 336 N Oakley blvd, Chicago, Ill.

14315— Stills (Crude Oil)

Biggs Boiler Works Co., Case av & Williams, Akron, O.
See adv index at end of book
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book

BLAW-KNOX CO.
681 Farmers Bank Building
PITTSBURGH, PA.
Manufacturers of
Hammer Welded Stills

Columbiana Boiler Co. Columbiana, O.
Hammond Iron Wks., Warren, Pa.
See adv index at end of book
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
Standard Boiler & Plate Iron Co., Niles, Ohio *See adv index at end of book*
Struthers-Wells Co., Warren, Pa.
United Iron Works, Inc., Kansas City, Mo.

14315a— Stills (Dreg)

Burkhard Thomas, Inc., 494 Flushing av, Brooklyn, N. Y.
Oat Joseph & Sons, 228 Quarry, Phila., Pa.
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.

14315b—*Stills (Formaldehyde)

Lummus Walter E. Co. (Sole Makers in U. S.), 171 Milk, Boston, Mass.

14315c— Stills (Fractionating)

Badger E. B. & Sons Co., 75a Pitts, Boston, Mass. *See adv index at end of book*
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Burkhard Thomas, Inc., 494 Flushing av, Brooklyn, N. Y.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Oat Joseph & Sons, 232 Quarry, Phila., Pa.
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Thermal Syndicate Ltd., 58 Schenectady, New York

14316—Stills (Gasoline & Benzine)

Biggs Boiler Works Co., Case av & Williams, Akron, O.
See adv index at end of book
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Braun-Knecht-Heimann Co. (Gasoline), 576-584 Mission, San Francisco, Cal.
Case W. A. & Sons Mfg. Co., 31 Main, Buffalo, N. Y.
Devine J. P. Co., 1372 Clinton, Buffalo, N. Y.
Krenz Oscar Copper & Brass Wks., 612H Bryant, San Francisco, Cal.
Langsenkamp, F. H., 130 E Georgia, Indianapolis, Ind.
Lummus, Walter E. Co., 171 Milk, Boston, Mass.
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.
Petroleum Iron Works Co. of Ohio, Sharon, Pa.
See adv index at end of book
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Struthers-Wells Co., Warren, Pa.

14316a— Stills (Glycerine)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Garigue William & Co., W 45th & Western av bl., Chicago, Ill.
Houchin-Aiken Co., 113 53rd, B'klyn, N. Y.
Phila. Coppersmithing Co., 222 N Front, Phila., Pa.
Scott Ernest & Co. ("Scott"), Fall River, Mass.

14317—Stills (Household & Laboratory Water)

Barnstead Mfg. Co. ("Improved Barnstead" Home Still), 62 Washington, No. Boston, Mass.
Castle, Wilmot Co., Rochester, N. Y.
Devine J. P. Co., 1372 Clinton, Buffalo, N. Y.
Philadelphia Coppersmithing Co., 222 N Front, Phila., Pa.
Standard Water Systems Co. ("Tripure"), Hampton, N. J.

14317a—Stills (Lead & Tin Lined)

American Lead Burning Corp., 30 Church, New York
Badger E. B. & Sons Co., 75a Pitts, Boston, Mass. *See adv index at end of book*
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.
Roos Chas. A., 429 E 91st, New York

14317b—Stills (Monel Metal)

Badger & Sons Co., E. B., Boston, Mass.
Beckley Perforating Co. (Parts only), Garwood, N. J.
Bethlehem Foundry & Machine Co. (Parts only), Grand Central Term. bldg, New York
Buffalo Foundry & Machine Co. (Parts only), Buffalo, N. Y.
Devine Co., J. P. (Parts only), Buffalo, N. Y.
Furman Engineering Corp., 30 Church, New York
Hendrick Mfg. Co. (Parts only), Carbondale, Pa.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Koven & Bro., L. O., Ogden av, Jersey City, N. J.
Liberty Coppersmithing Co., Phila., Pa.
Lummus Co., Walter E. (Parts only), Boston, Mass.
Schaefer Co., Emil (Parts only), Phila., Pa.
Sholes, Inc., 186 Lafayette, New York
Wilson Iron Wks., Wm. H., Rochester, N. Y.

14318—Stills (Multiple Effects)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Devine J. P. Co., 1372 Clinton, Buffalo, N. Y.
Krenz Oscar Copper & Brass Wks., 612H Bryant, San Francisco, Cal.
Oat Joseph & Sons, 228 Quarry, Phila., Pa.
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Standard Water Systems Co. ("Tripure"), Hampton, N. J.

14318a—*Stills (Nitric Acid)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

14319—Stills (Oil, Tar, Etc.)

See also Sugar Machinery

AM. SPIRAL PIPE WORKS, Box 485, Chicago, Ill. & 50 Church, New York
See adv index at end of book
American Welding Co., Carbondale, Pa.
Baker Iron Works, 950 N B'way, Los Angeles, Cal.
Biggs Boiler Works Co., Case av & Williams, Akron, O.
See adv index at end of book
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Braun-Knecht-Heimann Co. (Oil), 576-584 Mission, San Francisco, Cal.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Columbiana Boiler Co., Columbiana, O.
Devine J. P. Co., 1372 Clinton, Buffalo, N. Y.
DOVER BOILER WORKS, Sales Office, 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Elmer & Amend, 205 3d av, New York
Gas Machinery Co. (Tar & Ammonia), 1906 Euclid av, Cleveland, O.
Graver Corp. (For Oil Refineries), 4020 Todd av, E Chicago, Ind.
See adv index at end of book
Hammond Iron Works, Warren, Pa.
See adv index at end of book
Harrisburg Mfg. & Boiler Co., 15 Park Row, New York
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Isbel-Porter Co. (Ammonia), 46 Bridge, Newark, N. J.
Kellogg M. W. Co., 90 West, New York
See adv index at end of book
Lacy Mfg. Co., Los Angeles, Cal.
Leslie, Elliott & Co., Paterson, N. J.
McCabe Boiler Works, 195 Commerce, Newark, N. J.
Mosher Steel & Machinery Co., Dallas, Tex.
New York Central Iron Wks. Co. Inc. Dept. H, Hagerstown, Md.
O'Brien John Boiler Works Co., 11th & Mullanphy, St. Louis, Mo.
Petroleum Iron Works of Ohio, Sharon, Pa.
See adv index at end of book
Phoenix Iron Works Co., Meadville, Pa.
Power Specialty Co., 111 B'way, New York
Reeves Bros. Co., The, Alliance, O.
See adv index at end of book
Riter-Conley Co., Oliver bldg, Pittsburgh, Pa.
Rust Engineering Co., 311 Ross, Pittsburgh, Pa.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Seibel-Suessdorf Copper & Iron Mfg. Co., 2d & Gratiot, St. Louis, Mo.
Smith Samuel & Son Co., Paterson, N. J.
Standard Boiler & Plate Iron Co., Niles, Ohio *See adv index at end of book*
Struthers-Wells Co., Warren, Pa.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Teachout H. E. Boiler Works, E 37th & Erie R. R., Cleveland, O.
Treadwell Constr. Co., Midland, Pa.
Treadwell, M. H. Co. of Ill., 208 La Salle, Chicago, Ill.
Tudor Boiler Mfg. Co., 715 E 3d, Cincinnati, O.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Warren City Tank & Boiler Co., (The), Warren, Ohio
See adv index at end of book
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.

14320—Stills (Pharmaceutical)

American Sterlizer Co., 12th & Plum, Erie, Pa.
Barnstead Mfg. Co. ("Improved Barnstead"), 62 Washington, N Boston, Mass.
Burkhard Thomas, 494 Flushing av, Brooklyn, N. Y.
Colton Arthur Co., 2600H E Jefferson, Detroit, Mich.
Elmer & Amend, 205 E 18th, New York
Langsenkamp F. H., 130 E Georgia, Indianapolis, Ind.
Lummus Walter E. Co. (Ether), 171 Milk, Boston, Mass.
Oat Joseph & Sons, 228 Quarry, Phila., Pa.
Standard Water Systems Co. ("Tripure"), Hampton, N. J.
Stokes F. J. Machine Co., 6138 Tabor, Phila., Pa.
Thermal Syndicate, Ltd., 58 Schenectady, New York

14320a— *Stills (Phenol)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Lummus Walter E. Co., 171 Milk, Boston, Mass.
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.

14321—Stills (Soap Makers')

Biggs Boiler Works Co., Case av & Williams, Akron, O.
See adv index at end of book
Houchin, Aiken Co., 113 53d, Brooklyn, N. Y.
Sowers Mfg. Co., 1300 Niagara, Buffalo, New York

14322— Stills (Steam)

American Sterlizer Co., 12th & Plum, Erie, Pa.
Barnstead Mfg. Co. ("Improved Barnstead"), 62 Washington N., Boston, Mass.
BARNSTEAD STILL & STERILIZER CO., INC., 3 Lanesville terrace, Boston 30, Mass.
See adv index at end of book
Columbiana Boiler Co., Columbiana, O.
Hammond Iron Works, Warren, Pa.
See adv index at end of book
Lummus Walter E. Co., 171 Milk, Boston, Mass.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.
Petroleum Iron Works Co. of Ohio, Sharon, Pa.
See adv index at end of book
Phoenix Iron Works Co., Meadville, Pa.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Standard Water Systems Co. ("Tripure"), Hampton, N. J.
Struthers-Wells Co., Warren, Pa.
United Iron Works, Inc., Kansas City, Mo.
Warren City Tank & Boiler Co., (The), Warren, Ohio
See adv index at end of book

14322a—Stills (Toluol Refining)

Badger E. B. & Sons Co., 75a Pitts, Boston, Mass. *See adv index at end of book*
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Lummus Walter E. Co., 171 Milk, Boston, Mass.
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.
Scott Ernest & Co. ("Scott"), Fall River, Mass.

14323— Stills (Turpentine)

Biggs Boiler Works Co., Case av & Williams, Akron, O.
See adv index at end of book
Case W. A. & Sons Mfg. Co., 31 Main, Buffalo, N. Y.
Lummus Walter E. Co., 171 Milk, Boston, Mass.
McMillan Metal Co., Savannah, Gas.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
Struthers-Wells Co., Warren, Pa.

14323a— Stills (Vacuum)

Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Elyria Enameled Products Co. (Glass Enameled), Elyria, O.
Krenz Oscar Copper & Brass Works, 612 Bryant, San Francisco, Cal.
Langsenkamp, F. H., 130 E Georgia, Indianapolis, Ind.
Laubenheimer Co. (Copper & Iron), 17 N La Salle, Chicago, Ill.
Lummus Walter E. Co., 171 Milk, Boston, Mass.
Oat Joseph & Sons, 228 Quarry, Phila., Pa.
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.
Sowers Mfg. Co., 1300 Niagara, Buffalo, N. Y.

14324— Stills (Water)

American Copper & Brass Works, 614 E Front, Cincinnati, O.
American Sterilizer Co., Erie, Pa.
Badger E. B. & Sons Co., 75a Pitts, Boston, Mass. *See adv index at end of book*
Barnstead Mfg. Co. ("Improved Barnstead"), 62 Washington, N Boston, Mass.

Commercially pure water, under the present rigid requirements of both the laboratory and the industrial process—means water that is chemically pure:—absolutely free from gaseous, organic or inorganic impurities.

And the fact that Barnstead Stills are so widely used throughout the country is because they not only produce this industrial necessity—distilled water, free from all impurities—but produce it instantly, and at very low cost.



Equally efficient for continuous or intermittent operation. Capacities 1 to 100 gallons per hour; heated by high-pressure steam, gas, electricity or kerosene.

Write today for our Complete Handbook. It tells of many effective industrial and laboratory uses for Barnstead Water Stills.

BARNSTEAD STILL AND STERILIZER CO., 3 Lanesville Terrace, Boston 30 Mass.

BARNSTEAD STILL & STERILIZER CO., 3 Lanesville ter, Boston 30, Mass.
See adv index at end of book

Braun-Knecht-Heimann Co., 575-584 Mission, San Francisco, Cal.
Colton Arthur Co., 2600H E Jefferson, Detroit, Mich.
Daigger A. & Co., 54 W Kinzie, Chicago, Ill.
Devine J. P. Co., 1372 Clinton, Buffalo, N. Y.
Eimer & Amend, 205 3d av, New York
Gray Peter & Sons, Inc. (Laboratory), 286 Third, East Cambridge, Mass.
Jewell Polar Co. ("Polarstil"), 9 S Clinton, Chicago, Ill.
Jewell Water Improvement Co., 548 W Washington, Chicago, Ill.
Krenz Oscar Copper & Brass Wks., 612H Bryant, San Francisco, Cal.
Lalor W. M., Manhattan bldg, Chicago, Ill.
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.
Seibel-Suessdorf Copper & Iron Mfg. Co., 2d & Lombard, St. Louis, Mo.
Sparta Mfg. Co., South Bend, Ind.
Standard Water Systems Co. ("Tripure," Steam or Gas Operated), Hampton, N. J.
Stokes F. J. Machine Co., 6138 Tabor, Phila., Pa.
Sugar Apparatus Mfg. Co., Wilmington, Del.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Thermal Syndicate Ltd., 58 Schenectady av, New York
Titusville Machine & Foundry Co., Titusville, Pa.
Trageser John Steam Copper Works, ("Ralston"), 447 W 26th, New York
Weber Bros. Metal Works, 122 N Jefferson, Chicago, Ill.
See adv index at end of book

THE IMPROVED "ROCHLITZ" AUTOMATIC WATER STILL

Capacities ½ gal. to 25 gal. Operated by gas, gasoline, kerosene, steam or electricity

WEBER BROS. METAL WORKS
122 N. Jefferson St., Chicago, Ill.

Young Bros. Co., 6500H Mack av, Detroit, Mich.

14325—Stills (Wine Testing)

Case W. A. & Sons Mfg. Co., 31 Main, Buffalo, N. Y.

14326— Stirrers (Chemical)

Duriron Castings Co. ("Duriron" Acid Proof), Dayton, Ohio
Eimer & Amend ("Gramercy"), 205 E 18th, New York
Johnson John Co., 37th & 2nd av., Brooklyn, N. Y.

14327-8—Stirrups or Hangers

Bartley Bros. & Hall, 50 Warren, New York
Dietrich Bros., cor Pleasant & Davis, Baltimore, Md.
Frelinger J. G. Iron Works, 115 W 2nd, Cincinnati, O.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Lane Bros. Co., Poughkeepsie, N. Y.
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
Londelius C. A. & Sons Co. (Stove Bolt Stirrups), 847 W 63d, Chicago, Ill.
Maryland Bolt & Forge Co., Mt. Washington, Baltimore, Md.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Meyers Fred J. Mfg. Co., Hamilton, O.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
Mulvey Chas. Iron Works, 1840 Carroll av, Chicago, Ill.
O'Leary Arthur J. & Son Co., 65th & S 57th av, Chicago, Ill.
Pawtucket Mfg. Co. (Stirrups Only), Pawtucket, R. I.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Pittsburgh Rivet Co., 38th & Junction RR, Pittsburgh, Pa.
Racky Albert C., 531 S 5th av, Chicago, Ill.
Republic Structural Iron Works Co., 359 E 53rd, Cleveland, O.
Roanoke Iron & Bridge Works, Inc., Roanoke, Va.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Wendt Albert H. (Truss Stirrups), 329 Washington, Newport, Cincinnati, O.
Wrobbel-Maine Co., The, 3106 E 63rd, Cleveland, O.

14329—Stirrups (Saddle, Iron)

Buermann Aug. Mfg. Co., 220 Jeliff av, Newark, N. J.
Elbel Co., Canton, O.

14330-1—Stirrups (Wooden)

Fort Recovery Stirrup Co., Ft. Recovery, O.
Leisure & Van Bebber, (Also Metal), 1506 MacAdam, Portland, Ore.
Whirrett Bros., Delphos, O.

14332— Stock Marks

Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.

14333—Stock Shells (Steel Calender)

Gammeter W. F. ("Universal" for Rubber Mfrs.), Cadiz, O.

14333a— *Stocks (Gun)

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

14334— Stocks (Horse)

Wabash Foundry Co., Wabash, Ind.

14335— Stocks & Dies

See also Screw Plates

Alvord Reamer & Tool Co., Dept H, Millersburg, Pa.
Armstrong Mfg. Co. ("Genuine Armstrong" Pipe & Bolt Threading, etc), 305 Knowlton, Bridgeport, Conn.
Bay State Tap & Die Co. (Solid Screw Plate Stocks, etc), Mansfield, Mass.
Borden Co. ("Beaver" Adjustable Die Stocks), 508 Dane av, Warren, Ohio
Brubaker W. L. & Bros. ("Armstrong" Pattern Adjustable), Millersburg, Pa.
Butterfield & Co., Derby Line, Vt.
Card S. W. Mfg. Co., Mansfield, Mass.
Carpenter, J. M. Tap & Die Co. ("True Blue" & "Little Wonder"), Pawtucket, R. I.
Champion Blower & Forge Co., Lancaster, Pa.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Conant & Donelson Co. ("Reliable"), Conway, Mass.
Continental Supply Co., Post-Dispatch bldg, St. Louis, Mo.
Crane Co. (Solid, Adjustable & Screwing), South av, Bridgeport, Conn.
Crown Die & Tool Co. ("Crown" Solid Dies), 2640 N Keeler av, Chicago, Ill.
Greenfield Tap & Die Corp., ("Lightning," "Green River," "Little Giant," "O K" & "G.T.D."), Greenfield, Mass.
Handy Mfg. Co. ("Handy"), Bridgeport, Conn.
Hart Mfg. Co. ("Buckeye," "Duplex" Adjustable Ratchet Die Stocks), Cleveland, O.
Hinman D. A. & Co. ("Enterprise" Ratchet Die Stocks), Sandwich, Ill.
Hollands Mfg. Co. (Pipe), 352 E 18th, Erie, Pa.
Jarecki Mfg. Co. (Pipe Threading, etc), Erie, Pa., & Pittsburgh Pa.
Johnson & Biddle Tool Co., Elkhart, Ind.
Kelly Reamer Co., 3705 W 73d, Cleveland, Ohio
Keystone Die Stock Co. ("J. J. Delehant's Keystone" Die Stocks), 652 W 47th, Chicago, Ill.
Levi Benjamin (Dies), 355 W B'way, New York
LOWELL WRENCH CO. (Ratchet Die Stocks), 54 Commercial, Worcester, Mass. *See adv index at end of book*
McMann & Taylor Co., 104 John, New York. *See adv index at end of book*
Mark Mfg. Co., Evanston, Ill.
Michigan Machine Co., 85 Porter, Detroit, Mich.
Morse Twist Drill & Machine Co. ("Morse"), (Screw Plates & Dies), New Bedford, Mass.
Nye Tool & Machine Works ("Nye" Solid Die Stocks & Adjustable Hand Stocks), 108 N Jefferson, Chicago, Ill.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Oster Mfg. Co. ("Oster," "Bull Dog," Ratchet Stock & Die), 2057 E 61st pl, Cleveland, O.
Pancoast Hy. B. Co. (Pipe Threading, etc), 950 N Front, Phila., Pa.
Polk A. J. & Son Co. (Pipe), Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Reed Mfg. Co. (Adjustable & Solid Pipe & Bolt), Erie, Pa.
Robbins, Gamwell & Co. (Die Stocks), Pittsfield, Mass.
Russell Mfg. Co., Greenfield, Mass.
Saunders D. Sons (Pipe Threading, etc), Yonkers, N. Y.
Standard Engineering Co. (Hand), Ellwood City, Pa.
Toledo Pipe Threading Machine Co. (Hand Operated Threading Tools), 1440 Summit, Toledo, O.
Walworth Mfg. Co. ("Hall," Pipe Threading, etc), Boston, Mass.
Wells Corporation, The ("Threadwell," "Adamantine"), 15 Arch, Greenfield, Mass. *See adv index at end of book*
Winter Bros. Co. (Die Stocks), Wrentham, Mass.

14335a— *Stokers (Automatic)

Combustion Engineering Corp., ("Type E," "Type H," "Type D," "Coxe," & "Frederick"), 43 Broad, New York
Portland Wire & Iron Works ("Iron Fireman" & "Risdon"), 2nd & Columbia, Portland, Ore.
Schaffer Poidometer Co., formerly Schaffer Engineering & Equipment Co. (Continuous & Automatic Control), 2828 Smallman, Pittsburgh, Pa.
See adv index at end of book
Smokeless Coal Stoker Co., 220 Marion, Seattle, Wash.

14335b— Stokers (Hand)

Aero Pulverizer Co., 165 B'way, New York
Armstrong Mfg. Co., Springfield, Ohio
Auburn Foundry Corp., Auburn, Ind.
Burke Furnace Co., 320 E N Water, Chicago, Ill.

(Continued on following page)

Stokers (Hand)—Continued

Cokal Stoker Corp., 1029 N Clark, Chicago, Ill.
Combustion Engng. Corp., 43 Broad, New York
Files Engineering Co. ("Files"), 75 Westminster, Providence, R. I.
Flynn & Emrich Co., 305 N Halliday, Baltimore, Md.
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Hofft M. A. Co., 814 Washington, Indianapolis, Ind.
Kelly Fdry. & Machy. Co., ("Kelly Improved"), 614 Ninth, Goshen, Ind.
Marion Machine Foundry & Supply Co., Marion, Ind.
McClave-Brooks Co., Poplar, Scranton, Pa.
Perfection Grate & Supply Co. ("Perfection"), H & I, 164 Birnie av, Springfield, Mass.
Smokeless Coal Stoker Co., 220 Marion, Seattle, Wash.
Southern Electro Steel Co. Inc., Lynchburg, Va.
Stroud E. H. & Co., 928 & 934 Fullerton av, Chicago, Ill.
Vasil Steam System Co. ("Vasil"), Wash. Loan & Trust bldg, Washington, D. C.
Vogt Bros. Mfg. Co., 1420 W Main, Louisville, Ky.

14335c—Stokers (Locomotive)

Elvin Mechanical Stoker Co., ("Elvin"), 50 Church, New York
Locomotive Stoker Co. ("Street"), 30 General Robinson, Pittsburgh, Pa.
Standard Stoker Co., Grand Central Terminal, New York

Stokers (Mechanical)

See Mechanical Stokers

14335d—Stokers (Woodwaste)

ALLINGTON & CURTIS MFG. CO., 1500 Holland av, Saginaw, Mich.

14336—Stone (Artificial Building)

See also Blocks, Hollow Concrete Building
ANCHOR BUILDING CO. (Trim), Elizabeth, N. J. *See adv index at end of book*
Art Stone Co., Millers Falls, Mass.
Buffalo Litholite Co., Main & Amherst, Buffalo, N. Y.
Buffalo Wash Tray Works, 601 Tonawanda St, Buffalo, N. Y.
California Staff & Stone Co., 1302 Willow, Los Angeles, Cal.
California Stucco Products Co., 1501 S Alameda, Los Angeles, Calif.
Cleveland Stone Co., 1836 Euclid av, Cleveland, O.
Decorative Stone Co., Blatchley av & River, New Haven, Conn.
Eilbacher Chas., 32 4th, Elizabeth, N. J.
Emerson & Norris Co., Boston, Mass.
Hydro Stone Products Co. ("Hydro-Stone"), 218 S Wabash av, Chicago, Ill.
Kraus J. C. Cast Stone Works (Balustrades, Columns, etc), 480 Grand Central bldg, New York
MacGruer & Simpson, 266 Tehama, San Francisco, Cal.
Menefee Art Stone Co., Ft. Wayne, Ind.
New York Pyrites Co., Inc., 25 Broad, New York
Norwood Concrete Block & Constr'n Co., Madison av, & C. L. & N. Ry., Norwood, O.
Onondaga Litholite Co., Syracuse, N. Y.
Rackle Geo. & Sons Co., A B C Line, Cleveland, O.
Reimers-Kaufman Co., Lincoln, Neb.
Simpson Bros. Corp., 77 Summer, Boston, Mass.
Watkins Co., 2227 Maple av, Los Angeles, Cal.

Stone Crabs (Hook & Chain)

See Crabs, Hoisting

14337— Stone (Crushed)

See also Trap Rock; also Granite Producers, Workers, etc; also Stone Producers, Workers, etc; also Stone Screenings

ARKANSAS.

LITTLE ROCK—Big Rock Stone & Construction Co.
Blue Trap Rock Co.

CALIFORNIA.

BURBOND—Standard Rock & Gravel Co., Inc., 205 W San Fernando blvd
COLTON—California Portland Cement Co. (Limestone)
FRESNO—Fresno Rock Products Co., Bank of Italy bldg.
Grant Rock & Gravel Co., Cory bldg.
LOS ANGELES—Blue Diamond Materials Co., Inc. ("Blue Diamond"), 2200 E 16th
California Portland Cement Co., (Limestone), Pacific Mutual bldg.
Consumers Rock & Gravel Co., 1960 E 26th, Los Angeles, Calif.
Golden State Portland Cement Co., 112 W 9th
Union Rock Co., 1403 E 16th
OAKLAND—Bates & Boland, Oakland Bk. bldg
Oakland Paving Co., 5400 Broadway
Hutchinson Co., 1706 Broadway
SAN FRANCISCO—Coast Rock & Gravel Co., Call bldg
Niles Sand Gravel & Rock Co., 704 Market
Pratt Bldg. Material Co., Hearst bldg
Pratt Rock & Gravel Co., Hearst bldg
San Francisco Quarries Co., Balboa bldg
Stone E. B. & A. L. Co., Claus Spreckles bldg
SANTA CRUZ—Pacific Limestone Products Co., ("Kal Kar Brand"),
STOCKTON—Atlas Rock Co., Commercial Savings Bk. bldg
Stockton Mineral Products Co., 402 W Lafayette

CONNECTICUT.

BRIDGEPORT—Burns Co., 480 Tindley
MERIDEN—Connecticut Quarries Co.
Lane Quarry Co.
Lane John S. & Son
NEW HAVEN—Blakeslee C. W. & Sons, 58 Waverly
Connecticut Quarries Co.
NORWICH—Torrance Archibald

DELAWARE.

WILMINGTON—Stewart & Donohue
Warner Chas. Co., I. O. O. F. bldg.

DISTRICT OF COLUMBIA.

WASHINGTON — Columbia Granite & Dredging Co., 3036 R. N. W.

GEORGIA.

CARTERSVILLE—Ladd Lime & Stone Co.
MACON—Georgia Quincy Granite Co.

ILLINOIS.

BELLEWOOD—O'Laughlin A. C. Co.
CHICAGO—Brownell Improvement Co. (Limestone, also Concrete Stone), Cham. of Com. bldg
Chicago Union Lime Works Co., 1900 W 19th
Dolese Bros. Co., 337 W Madison
Dolese & Shepard Co. (Limestone), 108 La Salle
Illinois Stone Co., 29 S La Salle
O'Laughlin A. C. Co., 111 W Wash'n
Stearns Lime & Stone Co., 105 S La Salle
Waushara Granite Co., 133 W Washington
Wisconsin Granite Co., 105 W Monroe
EAST ST. LOUIS—East St. Louis Stone Co.
KANKAKEE—Lehigh Stone Co.
MADISON—Kettle River Co. (Sandstone)
PEORIA—Wasson T. J.
QUINCY—Menke F. W. Stone & Lime Co. (Limestone)
Roeder Greeman Stone & Construction Co.
ROCKFORD—Hart & Page
ROCK ISLAND—Davis T. B. & S. S. (Crushed Rubble Limestone)

INDIANA.

HUNTINGTON—Erie Stone Co. (See Toledo, O.)
Keefer Henry
Logansport Stone & Construction Co.
INGALLS—Big Four Crushed Stone Co.
MONON—Monon Crushed Stone Co.
ST. PAUL—Greely Stone Co.

IOWA.

BETTENDORF—Bettendorf Stone Co.
BUFFALO—Dolese Bros. Co.
FORT MADISON—Fort Madison & Appanosse Stone Co.
IOWA CITY—River Products Co.
KEOKUK—McManus Quarries Co.

KANSAS.

EL DORADO—Dolese Bros. Co.
HUTCHINSON—Solvay Process Co.

KENTUCKY.

HOPKINSVILLE—Dalton Bros. Brick Co. (Railroad Ballast)
MT. VERNON—Sparks W. J. Co.

MARYLAND.

BALTIMORE—Beaver Dam Marble Co., Gunther bldg
Guilford & Waltersville Granite Co., 10 E Pleasant
Pope B. F., New Amsterdam bldg
Standard Lime & Stone Co. (Limestone, Granite, etc), Equitable bldg
DICKERSON—Standard Lime & Stone Co.
FREDERICK—Potomac Lime & Stone Co.
HAGERSTOWN—Security Cement & Lime Co. (Limestone)
SECURITY—Security Cement & Lime Co. (Limestone)

MASSACHUSETTS.

BOSTON—Beatty Construction Co., 66 Warren
Coleman J. C., & Sons Co., 1620 Tremont
Rockport Granite Co., (Granite, all sizes)
West Roxbury Trap Rock Co., W. R.
FALL RIVER—Beattie Wm. H.
MONSON—Flynt W. N. Granite Co. (Granite & Trap Rock)
QUINCY—Kavanagh Bros. Co.
Old Colony Crushed Stone Co.
WEST CHELMSFORD—Fletcher H. E. Co. (Granite)

MICHIGAN.

DETROIT—Calvert's J Sons, McGraw bldg.
Dunbar & Sullivan Dredging Co., Dime Bank bldg
Rankin Wm., 286 Commonwealth
Solvay Process Co. (Quarries & Wks., Sibley, Mich.), W Jefferson & Solvay
MANISTIQUE—White Marble Lime Co. (Limestone)

MINNESOTA.

DULUTH—Duluth Crushed Stone Co.
KASOTA—Babcock & Wilcox
Breen Stone & Marble Co.
MANKATO—Fowler & Pay
MINNEAPOLIS—Blue Limestone Co., B'way & K N W
Minnesota Crushed Stone Co., 1500 Johnson N E
NEW ULM—New Ulm Stone Co.
ST. PAUL—St. Paul Crushed Stone Co., Stewart & Victoria
SANDSTONE—Kettle River Co.
WINONA—Biesanz Stone Co. (Limestone)

MISSOURI.

CAPE GIRARDEAU—Hely Edw. (Limestone)
KANSAS CITY—Dewey Portland Cement Co., Mutual bldg
Lyle Rock Co., 609 Grand av & Temple
Parker-Washington Co.
Stewart Sand Co., American Bank bldg
ST. JOSEPH—Reinert Bros. Constr. Co.
ST. LOUIS—Eyermann G. & Bro., 1216 S Grand av
Glencoe Lime & Cement Co., Syndicate Tr. bldg.
Missouri Granite & Construction Co., 3410 Gratiot

NEBRASKA.

BLUE SPRINGS—Davis Geo. H.

NEW HAMPSHIRE.

MARLBOROUGH—Webb Granite & Construction Co.

NEW JERSEY.

BOUND BROOK—Bound Brook Crushed Stone Co.
DUNELLEN—Dunellen Lumber & Stone Co.
EAST NEWARK—Van Keuren & Son
LAMBERTVILLE—Delaware River Quarry & Const. Co.
LITTLE FALLS—Ferguson's, Wm. A. Sons
MORRISTOWN—Morris County Crushed Stone Co.
Paterson Crushed Stone Co.
Schmidt F. W.
NEW DURHAM—Belmont, Gurnee Stone Co.
NEWARK—Tomkins Bros., 74 Passaic
Upton F. R. (Sandstone), 9 Clinton bldg
Van Keuren & Son, 501 Passaic av
PATERSON—Paterson Crushed Stone Co.
PLAINFIELD—Bartle Bros.
Smalley Stone Co.
ROCKY HILL—Delaware River Quarry & Constr. Co.
SCOTCH PLAINS—Fanwood Stone Crushing & Quarry Co.
SUMMIT—Commonwealth Quarry Co.

NEW MEXICO.

EAST LAS VEGAS—Canyon Lime Co.

NEW YORK.

AKRON — General Crushed Stone Co. (Limestone) (Branch of Easton, Pa.)
BUFFALO—Buffalo Cement Co., Ltd., 110 Franklin
Buffalo Crushed Stone Co., Elliott sq
Carroll Bros., Ellicott sq
Dolese Bros. Co.
German Rock Asphalt & Cement Co., D. S. Morgan bldg
CHAUMONT—Adams & Duford Co.
LANCASTER—Ott Bros.
LE ROY—General Crushed Stone Co. (Limestone) (Branch of Easton, Pa.)
NEWBURGH—Miller D. C.

NEW YORK CITY.

Borough of Brooklyn.
BROOKLYN—Bannon P. & Sons Quarry Co., 129 Richards
Hickey M. F. Co., 89 9th
Ryan N. Co., 491 Smith
Boroughs of Manhattan and Bronx.
NEW YORK—Algie Robt. J., 204 W 82d
Altieri M. & Sons, 363 Concord av
Fleming Alfred J. (Wholesale), 109 Broad
Leopold J. & Co. (Granite), Woolworth bldg
Murray Jos. & Co., 263 av C
New York Pyrites Co., Inc., 25 Broad, New York

New York Trap Rock Co. (Hudson River), 101 Park av
(End of New York City)
SYRACUSE—Semet-Solvay Co., Milton av
Solvay Process Co. (For Road and Concrete Work)
TUCKAHOE—Conlin Marble Co.
UTICA—Conley Frank E. Stone Co. (Limestone & Blue Sandstone)

NORTH CAROLINA.

SALISBURY—Harris C. J. Granite Quarries Co. (Granite)

OHIO.

BUCYRUS—Broken Sword Stone Co. (Crushed for Concrete Purposes)
BURGOON—Murphy J. H.
CAREY—National Lime & Stone Co.
CINCINNATI—American Stone Ballast Co., 711 4th Nat. Bank bldg
CLEVELAND—Dolomite Products Co. (Limestone), 1110 Euclid av
Kelley Island Lime & Transport Co., Leader News bldg
Spence Bros. (Limestone)
COLUMBUS—Casparis Stone Co., Clinton bldg
Marble Cliff Quarries Co.
FINDLAY—Hancock Stone Co.
Tarbox & McCall
FOSTORIA—Ohio & Western Lime Co.
GERMANTOWN—Wiggim Crushed Stone & Sand Co.
LEETONIA—McKeefrey & Co.
Shenango Limestone Co.
LOWELLVILLE—Carbon Limestone Co. (Concrete a Specialty)
MARION—Evans Jno. Stone & Lime Co.
NORTH BALTIMORE—France Stone Co.
OTTOVILLE—Lauer N.
PANDORA—Schumacher Stone Co.
PIQUA—Ohio Marble Co. (Limestone)
SANDUSKY—Wagner Quarries Co.
SPENCERVILLE—Spencer Stone Co.
SPRINGFIELD—Mills Bros.
Moores Lime Co. (Limestone)
SYLVANIA—*Sylvania Stone Co.
TOLEDO—France Slag Co., 2nd Nat'l Bank bldg
France Stone Co.
Toledo Stone & Glass Sand Co.
Woodville Lime Products Co., 622 Madison av
VAN WERT—Erie Stone Co.
YOUNGSTOWN—Bessemer Limestone Co. (Washed for Concrete, Macadam, etc.)
Concrete Stone & Sand Co. (Blue Sand Stone)

OKLAHOMA.

APACHE—Dolese Bros. Co.
ARBUCKLE—*Dolese Bros. Co. (See Chicago, Ill.)

PENNSYLVANIA.

BETHLEHEM—Bethlehem Steel Co.
BELLEFONTE—American Lime & Stone Co. (Branch of Tyrone, Pa.)
Bellefonte Lime Co.
EASTON—Easton Lime Co.
General Crushed Stone Co.
GLEN MILLS—General Crushed Stone Co. (Trap) (Branch of Easton, Pa.)
GREEN LANE—Davis Trap Rock Quarry Co., Parkway bldg. (Branch of Easton, Pa.
Perkiomen Crushed Stone Co., Bulletin bldg
HARRISBURG—Whittock J. M.
KUTZTOWN—Kutztown Lime & Crushed Stone Co.
LANCASTER—Lancaster Lime & Supply Co.
NORRISTOWN—Dyer Jno. T. Quarry Co.
PHILADELPHIA—Birdsboro Stone Co., Land Title bldg
Davis Trap Rock Works, City Centre bldg
Dyer Jno. T., Quarry Co., Harrison bldg
Hainsport Mining & Transportation Co., Beach & Berks
Holmesburg Granite Co., Welch rd
Knickerbocker Lime Co. (Limestone), 366 N 24th
Lambertville Stone Quarry Co., Colnl. Tr. bldg.
Lukens & Yerkes, St. Girard bldg
Warner Chas. Co. (Limestone), Morris bldg,
PITTSBURGH—Booth & Flinn (Ltd.) (Ligonier), 1942 Forbes
Clydesdale Brick & Stone Co. (Hard Sandstone), Jenkins, Arcade
REDINGTON—General Crushed Stone Co. (Dolomite) (Branch of Easton, Pa.)
TYRONE—American Lime & Stone Co. (Limestone)
WALTONVILLE—Brown-Stone Store Co. (For Concrete, etc)
WAYNESBORO—Decarbonated Lime & Stone Co.
WHITE HAVEN—General Crushed Stone Co. (Sandstone) (Branch of Easton, Pa.)
WILLIAMSPORT—Susquehanna Stone Co.
YORK—Baker J. E. Co.
Union Stone Co.

RHODE ISLAND.

EAST PROVIDENCE—McCormick Jos.

SOUTH CAROLINA.

EDGEFIELD—Southern Crushed Stone & Granite Co. (See Savannah, Ga.)

TENNESSEE.

CHATTANOOGA—Chickamauga Quarry & Construction Co. (Limestone), 1st Nat'l Bank bldg
MEMPHIS—Christie Cut Stone Co., 2082 Elzey
NASHVILLE—Foster & Creighton Co.
NEWSOMS STATION—Ezzell Mill & Stone Co.

TEXAS.

EL PASO—El Paso Ice & Refrigerator Co.

VERMONT.

HARDWICK — Woodbury Granite Co. (Granite Only)

WASHINGTON.

SEATTLE—Independent Asphalt Paving Co.

WISCONSIN.

AMBERG—Pike River Granite Co.
LA CROSSE—La Crosse Stone Co,
MILWAUKEE—American Granite Co. (Granite, 15th & Cleveland av
Donahue J. & Sons, 318 Bradford av
Lake Shore Stone Co., 1406 1st Nat'l Bank bldg
OSHKOSH—Lutz Robert
WAUPACA—Waupaca Sand & Gravel Co.

14338—Stone Crusher Parts & Repairs

See also Castings, Rock Crusher
American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept. H, 14th & State, Chicago Heights, Ill.
Steele & Condict, 74 Pearl, Jersey City, N. J.
Taylor Wharton Iron & Steel Co., High Bridge, N. J.

14339—Stone Crushing Plants (Complete)

Acme Road Machinery Co., Frankfort, N. Y.
ALLIS-CHALMERS MFG. CO., Milwaukee, Wis.
See adv index at end of book
BUCHANAN C. G. CO. Inc., 90 West, New York
Buckbee J. C. Co., 38 S Dearborn, Chicago, Ill.
Chalmers-Williams Mfg. Co., 1461 Arnold, Chicago Heights, Ill.
Good Roads Machinery Co. ("Champion" & "Climax"), Kennett Square, Pa.
Herbst Bros., 1939 Mission, San Francisco, Calif.
KENNEDY-VAN SAUN MFG. & ENG. CORP., 50 Church, New York
See adv index at end of book
Mashek Engineering Co., 90 West, New York
Traylor Engineering & Mfg. Co., Allentown, Pa.
Universal Road Machinery Co. ("Reliance"), Kingston, N. Y.
Worthington Pump & Machy. Corp., 115 B'way, New York

14340—Stone Crushing Plants (Portable)

Good Roads Mach'y Co., Kennett Square, Pa.
KENNEDY-VAN SAUN MFG. & ENG. CORP., 50 Church, New York
See adv index at end of book

14340a— Stone (Cut)

Firms that Operate Quarries are Marked by Either a § or *
See also Granite Producers, Workers & Dealers; also Marble Producers; also Lime Mfrs.; also Cement Mfrs.; also Roofing Slate Mfrs.; also Blast Furnaces

ALABAMA.

BIRMINGHAM—Gulf States Steel Co. (Limestone)
Macke Marble & Granite Works (Cut Stone)
Reed Bros.
HUNTSVILLE—Hummel J. F. & Sons (Cut Contractors)
ROCKWOOD—Foster & Creighton Co. (See Nashville, Tenn.)
SAGINAW—Saginaw Lime & Stone Co.

ARKANSAS.

BATESVILLE—*Pfeiffer Stone Co. (Batesville Oolitic)
PINE BLUFF—Sheppard E. A. (Cut Stone)

CALIFORNIA.

CORONA—§Temescal Rock Co.
GILROY—§Martin Bros. (Cut Contractors)
LOS ANGELES—*Bly Stone Co., 1935 E 16th
Golden State Portland Cement Co., 112 W 9th
Lane Bros. (Cut Contractors), 302 W 9th
*McGilvray Raymond Granite Co., 678 S Utah
*Raymond Granite Co., 1350 Palmetto
OAKLAND—Veitch W. T. & Bro.
SAN DIEGO—§Simpson-Pirnie Granite Co
SAN FRANCISCO—Colusa Sandstone Co., Potrero av & Division
*McGilvray-Raymond Granite Co., 634H Townsend
*Raymond Granite Co., 3 Potrero av.

COLORADO.

COLORADO SPRINGS—Newton Lumber & Mfg. Co.
DENVER—*Colorado Fuel & Iron Co. (Limestone & Dolomite Quarries)
Edwards E. A. & Co. (Cut Contractors), 13th & Delgany
Greenlee Stone & Bldg Co.

CONNECTICUT.

ANSONIA—*Ansonia Trap Rock Co.
§Potter Wm. (Cut Contractors)
*Wooster Chas. B.
BRIDGEPORT—Jackson Stone Co. (Cut Contractors)
Wheeler & Howes (Blue), Congress St. Bridge
BRISTOL—Arms H. G. (Foundation)
GUILFORD—*Beattie John (Est. of)
HARTFORD—Freeburg A. S.
Kelly Bros. (Cut Contractors), 93 Charter Oak
Putnam H. E.
LIME ROCK—*Barnum-Richardson Co. (Limestone, All Consumed by the Company)
MERIDEN—*Kearney Thos.
Lane Jno. S. & Son (Crushed Trap Rock)
Lines H. Wales Co. (Blue & Brown Stone)
Luby Wm. J. (Blue, etc.)
MIDDLETOWN—Middletown Coal Co. (Flagging, etc)
NEW BRITAIN—Halloran Matthews W. (Building)
Meehan Jno. F. (Freestone)
Smith Thomas C. (Bluestone)
NEW HAVEN—Blakeslee C. W. & Sons (Building, Broken & Blue), 58 Waverly
Howards' Co. (Blue; Dealers Only), 250 Boulevard
Maxwell Jno. & Son, 112 Winchester av
Warner-Miller Co. (Blue Stone)
NEW LONDON—D'Avignon Francis P. (Blue & Brown)
Rogers Hervey E.
§Ryan John J. (Cut Contractor & Flagging)
NEW MILFORD—Hansen Christian
NORWALK—*Hall Irving
Meeker Coal Co. (Blue)
NORWICH—Dodd Thos. J.
Harrington P. J.
Peck McWilliams & Co. (Flagging)
Torrance Archibald
PORTLAND—§Brainerd, Shaler & Hall Quarry Co. (Brown)
Connecticut Steam Brownstone Co. (Brownstone Cutters & Contractors)
ROCKVILLE—Martin W. B.
*Rau Conrad B. (Flagging)
ROCKY HILL—*Conn. Quarries Co.
SHELTON—(See Derby)
SOUTH NORWALK—(See Norwalk)
STAFFORD SPRINGS—Kingsbury A. W. (Monumental Work & Curb Stone, Stone Cutter)
STAMFORD—Bounty A. E. Co. (Blue Flagging)
TORRINGTON—DeMichiel Jno. & Bros.
WATERBURY—§Chatfield & Chatfield (Blue, etc)
Gaffney J. W. & Son (Blue)
Jackson Thos. F. Co. (Cut Contractors)
WILLIMANTIC—*Larrabee C., Jr.
WINSTED—Carey J. F.

DELAWARE.

WILMINGTON—*Stewart & Donohue

DISTRICT OF COLUMBIA.

WASHINGTON—Smith Philip, 1st & B, S W
Veihmeyer & Lapish, 31st & Canal N W

GEORGIA.

ATHENS—Bisson P. & Son (Building)
ATLANTA—Capital Stone Co. (Cut Contractors)
COLUMBUS—Elledge & Norman Marble Co.
NELSON—Blue Ridge Marble Co. (Cut Contractors)
TOCCOA—*Schaefer Edw.

ILLINOIS.

ALTON—*Alton Builders' Supply Co.
*Reliance Quarry & Construction Co.
BATAVIA—§Barker W. P.
BLOOMINGTON — Higgins-Jung-Kleinau Co. (Cut Stone)
Moore J. K. (Cut Stone)
Walsh M. & Son
CHICAGO—Andres Stone & Marble Co., 343 S Dearborn
Artesian Stone & Lime Works Co. (Limestone), Grand & Campbell ave

(Continued on following page)

Stone (Cut)—Continued

ILLINOIS—CHICAGO—Continued

Baumann Jacob, 1226 Altgeld
Brodix & Malone (Dealers), 112 W Adams
Central Oolitic Stone Co., 2126 S Kedzie av
Cleveland Stone Co. (Ohio Blue & Buff), 30 N Clinton
Dallman Chas. F. & Son, 5816 Lafln
Diener T. C. & Co. (Contractor, Cut), 1157 W 21st
Edgeworth Jas. J. (Contractors' Cut), 2701 Stewart av
Edwards John H. (Cut Contractors), 5837 Justine
Egdorf John, 1227 Otto
Empire Stone Co., 423 La Salle
Falter Geo A. (Cut), 4908 W Van Buren
Fluck Hugh W. (Cut Contractors), 7306 Kimpark av
Furst-Kerber Cut Stone Co., 2301 S La Salle
Galloy & Van Etten (Cut Contractors), 11756 S Halsted
Hagan James A., 1620 S Laramie av
Henry Wm., 5837 Justine
***Illinois Stone Co. (Dimension & Rubble), 29 S La Salle**
***Indiana Quarries Co. (Blue & Buff** Oolitic, Ind., Limestone), 112 W Adams, Quarries & Mills: Bedford, Ind.
Ingalls Stone Co., 38 S Dearborn
Karge Frank (Cut Contractors), 5831 Bishop
McArthur Cut Stone Co., 4610 Rice
McHugh Jno., 5816 Normal av
McKay-Storer Co., 5 N La Salle
McMillan W. & Son (Inc.), (Building & Cut Stone), Otis bldg
Mahan Co., 2132 S Kedzie av
O'Laughlin A. C. Co., 111 W Wash'n
SASGEN DERRICK CO. (Lewis Stone), 3000 W Grand av
See adv index at end of book
Skoglund Emil G. (Cut Contractor), 4929 N Clark
Skoglund Eric, 5555 N Lincoln av
Stein-Ebertshaeuser & Co. (Cut Contractors), 1017 W Division
Steven & Son Co., 431 S Dearborn
Struble Henry, Cut Stone Co., 209 S La Salle
Tesmer R. C., 5835 Winthrop
Universal Crushed Stone Co., 29 S La Salle
Ward Albert J. Co., **Fullerton av** Bridge
Watson Gavin F., E 72d & Blackstone av
West Side Cut Stone Co., 2422 W Walton
Winkler Ignatz & Co., 2616 S Sacramento av

CICERO—Fanning Chas. G. & Co. (Cut Stone Contractors)
Shick Wm. & Son, 2917 S 48th av
DECATUR—Grindol W. H. & Sons
Pasold John I. (Cut Contractor)
EAST ST. LOUIS—§East St. Louis Stone Co. (Cut Contractors)
***Queen City Quarry Co.**
§Stolle Casper Quarry & Contracting Co. Cahokia bldg.
ELGIN—Russell & Treiber
ELMHURST—*Elmhurst-Chicago Stone Co.
EVANSTON—North Shore Stone Co. (Cut)
FAIRMOUNT—*Casparis Stone Co.
FOREST PARK—Arch Henry C. (Cut Stone)
GALESBURG—Craig & Harris (Cut Contractors)
GRAFTON—§Grafton Quarry Co. (Sandstone)
JOLIET—Commercial Stone Co. (Limestone)
***Groth Adam & Co. (General & Cut** Stone Contractors)
***Joliet Quarries Co.**
***Merchants Stone Co.**
§Western Stone Co.
LEMONT—§Illinois Stone Co. (Dimension & Rubble)
§Western Stone Co. (Limestone)
LENA—Perkins H. F. (Cut Contractor)
LINCOLN—Lincoln Monument Co.
MADISON—*Kettle River Co. (Bldg, Curbing, Bridge, Paving, etc)
OAK PARK—Chellberg Otto (Cut Stone)
Chicago & Oak Park Cut Stone Co. (Cut Stone)
Opit John & Co. (Cut Stone)
OTTAWA—Baldwin & Prisler Co. (Cut Stone)
PARIS—Safford's S. Sons (Cut Stone)
PEORIA—Enterprise Stone Co.
Triebel & Sons (Cut Stone)
QUINCY—*Menke F. W. Stone & Lime Co. (Limestone)
ROCKFORD—*Carrico Stone Co.
***Hart & Page (Building, Bridge & Rubble)**
Reid Fred (Cut Contractor)
Winchester Thos. (Cut)
ROCK ISLAND—McConochie Wm. & Sons
SPRINGFIELD—Baum M. J. (Cut Stone)
Fortado J. L. Co. (Cut Contractors)
Illinois Granite & Stone Works (Cut Contractors)
URBANA—Clark C. M. & Co.
WAUKEGAN—Bairstow Frederick (Dealer)

INDIANA.

BEDFORD—Bedford Cut Stone Co. (Cut Contractors)
§Bedford Steam Stone Works (Saw Hills, Columns, etc)
Bedford Stone & Construction Co.
***Consolidated Stone Co. (Quarries & Mills, Bedford, Park Hollow & Hunter Valley)**
Doyle Geo. Corp.
Furst Kerber Cut Stone Co.
Imperial Stone Co.
***Indiana Bedford Stone Co.**
†Indiana Limestone Co. (Blue & Buff, Oolite, Ind. Limestone)
Indiana Quarries Co.
McMillan W. & Son
Rowe John A. Cut Stone Co. (Cut Contractor)
Shea, Donnelly Giberson Co. (Cut, Contractors)
***Struble Henry Cut Stone Co. (Cut** Contractors) (of Chicago)
BLOOMINGTON—*Bloomington - Bedford Stone Co.
Bloomington Crushed Stone Co.
§Central Oolitic Stone Co. (Cut Contractors, Bluff & Blue Limestone)
§Chicago & Bloomington Stone Co.
***Empire Stone Co. (Indiana Oolitic** Limestone)
Hoadley Stone Co. (Cut Contractors)
Hunter Bros. Stone Co.
***McMillan W. & Son (of Chicago)**
***Mathers Stone Co. (of Chicago)**
***Matthews Bros. Co.**
***Monroe County Oolitic Stone Co.**
§National Stone Co. (Buff & Blue Limestone)
Nolan James H. Sons Co.
***South Side Stone Co.**
***Star Stone Co. (of Chicago)**
BLUFFTON—*Erie Stone Co. (See Toledo, Ohio)
CANNELTON—*Pauline F. S. & Co.
COLUMBUS—McCormack P. H. Co.
ELLETTSVILLE—*Matthews Bros. Co.
***Perry Stone Co.**
Thompson A. J. Stone Co.
ELWOOD—Digel S. H. (Cutter, Flagging, etc)
EVANSVILLE—*Caden Stone Co. (Green River Oolitic Limestone, Rough & Cut), 411 E Ohio
Scholz F. J. & Son, 11-L 3rd
FORT WAYNE—Geake William (Cut Con Contractor)
Keller & Sons (Cut Contractors)
§Moellering's Wm. Sons
GREENCASTLE—*Ohio & Indiana Stone Co. (See Indianapolis)
GREENSBURG—§Greensburg Limestone Co.
HUNTINGTON—*Erie Stone Co. (See (Toledo, O.)
***Logansport Stone & Construction Co.**
Ohio & Western Lime Co.
INDIANAPOLIS—Ittenbach G. & Co., 916 Harrison
***Spencer Stone Co. (Quarries, Spencer,** Ind.), 514 Grace Terminal bldg
KOKOMO—*Chaffin Bros.
***Kokomo Stone Co.**
***Leach J. M. Mfg. Co.**
LAFAYETTE—*France Co.
LAPORTE—Franklin B. A. (Cut Contractor)
LAUREL—Secrest John P.
MARKLE—Markle Stone & Lime Co.
MUNCIE—Busch, Russell & Gelts Co. (Cut Contractors)
Illingworth Fred (Cut Contractor)
NEW ALBANY—Vernia John & Son Marble Co. (Cut Contractors)
NEW POINT—§Big Four Stone Co.
OOLITIC—†Indiana Quarries Co. (Buff & Blue Oolitic, Ind. Limestone) (See Offices, Chicago, Ill.)
OSGOOD—*Cox G. W.
***Osgood Lime Stone Co.**
ST. PAUL—St. Paul Stone Quarries Co.
SOUTH BEND—Schmidt Cut Stone Co. (Cut Contractors)
SPENCER—*Spencer Stone Co.
STINESVILLE—*Hoadley J. & Sons Co. (Sawed, Planed, Turned & Cut)
***Romona Oolitic Stone Co.**
TERRE HAUTE—Ranahan, T.
Walsh, Edward W.
WESTPORT—Westport Stone Co.

IOWA.

BURLINGTON—Burrus O. M. & Bro.
CEDAR RAPIDS—Edinger Ed. Co. (Cut Stone)
***Iowa Stone Co.**
CLINTON—McDonnell D. P. J. (Cut Contracting Stone)
DES MOINES—Capitol Hill Monument Co. (Cut Stone)
Des Moines Marble & Mantel Co. (Cut Stone)
***Earlham Land Co.**
***Rowat Cut Stone Co.**
DUBUQUE—Schulte G. G. (Cut Contractors)
Wagner Henry (Cut Contractors)
KEOKUK—McManus Quarries Co.
MASON CITY—Dayton-Oldham Granite Works
STONE CITY—*Dearborn H. & Sons
WATERLOO—*Bartlett & McFarlane
Moline C. H. (Cut Contractors)

KANSAS.

HUTCHINSON—Solvay Process Co.
PITTSBURGH—Hill Geo. W. & Sons (Cut Contractors)

KENTUCKY.

BELLEVUE—Monarch Clay Mining Co.
BOWLING GREEN—Oman Bowling Green White Stone Co.
COVINGTON—*Schlosser Frank, Highland Pike
DAYTON—Walter Anton Supply Co.
FARMERS—*Rowan County Freestone Co. ("Kentucky Blue" Cut, Sawed & Rough Building Stone; Flagging)
HADLEY—*Caden Stone Co. (Green River Oolitic Limestone, Rough & Cut). (Office, Evansville, Ind.)
HENDERSON—§Fleming J. H. & Son (Cut Contractors)
IRVINGTON—Webster Stone Co.
LAWRENCEBURG—Ky. River Stone & Sand Co.
LOUISVILLE—Peter & Burghard Stone Co. (Cut Contractors)
MOUNT VERNON—*Sparks W. J. Co. (Limestone)
NEWPORT—Spinks, H. C. Clay Co.
OLIVE HILL—Highland Stone Co.
OWENSBORO—Mischel Geo. & Sons (Cut Contractors)
PADUCAH—Williamson J. E. & Co. (Cut Stone)

MAINE.

PORTLAND—Mannix Bros. (Freestone), 84 Hanover

MARYLAND.

BALTIMORE—Andrew David M. Co. (Cut Contractors), Mt. Vernon
Clough & Molloy (Cut Contractors), Hartford rd & B & O
Gault Wm. A. & Son (Cut Contractors), 9 E Lexington
Knight Maurice L. (Cut Contractor), 1025 W Mulberry
Mann Geo. (Cut Contractors), Columbia av & B & O R R
Rullman & Wilson (Cut Contractors), Lafayette E Mt Royal
DICKERSON—§Standard Lime & Stone Co.
HAGERSTOWN—Security Cement & Lime Co. (Limestone)
SECURITY—Security Cement & Lime Co. (Limestone)

MASSACHUSETTS.

BOSTON—Beatty Construction Co., 66 Warren
Carew Jos. F. (Cut Contractor), Gerard & Mass av
Meany Edw. F. & Co. (Cut Contractors, Freestone & Limestone), 534 Albany
Murray Henry Co., 421 Boyston
§Norcross Bros. Co., 73 Tremont
Shea & Donnelly Co., 34 Roland
Smith H. P. & Co., 23 Haverhill
Sullivan Wm. J. Co. (Freestone) (Cut Contractor), 99 Southampton
Troy Bros. & Co. (Soapstone), 975 Mass av, Rox.
BROCKTON—Long M. D.
Messer Bros.
CAMBRIDGE—Harrington Jno. (Est. of) (Bluestone)
Sands Geo. R. (Cut Stone)
EAST LONG MEADOW—*Rankin J. H. (Cut Contractor)
HOLYOKE—McCormick A. D.
McCormick David & Son
LAWRENCE—Dorman Jas.
Lawrence Granite Co. (Cut Stone & Granite)
LENOX—*Clifford's James Sons (Freestone)
LOWELL—*Gumb Bros. (Cut Stone)
LYNN—Merrill Geo. B. & Co. (Cut Contractors)
NORTH ADAMS—*Whitney Chas. E.
PEABODY—Joy Leander F. (Cut Contractor)
SALEM—Curtis Chas. E. & Son (Cut Stone)
SOMERVILLE—McCarthy Wm. J. Co.
SPRINGFIELD—Casey & Broderick, 523 State
§Falt J. P. Co. (Red Sandstone, Cut Contractors), 33 Lynn
§Marra Owen (Brown Sandstone Cut Contractors), 293 Bridge
STONEHAM—Bennett Perry & Sons
TAUNTON—Sullivan John B. & Son (Cut Stone)
WEBSTER—Love J. P. (Cut Contractors)
WESTFIELD—*Westfield Marble & Sandstone Co.

MICHIGAN.

ALPENA—*Collins Phelps
BATTLE CREEK—McNaughton Angus J. (Cut Stone)
BAY CITY—Bate A. & Son (Cut Contractors)
§Bay City Stone Co. (Cut Contractors)
Wright G. A. (Cut Stone)
BAY PORT—*Wallace Stone Co.
DETROIT—Batchelder-Wasmund Co. (Cut Stone), 2300 W Jefferson
Beebe Henry A. (Cut Stone), 5300 Wabash av
Calvert's J. Sons (Building), McGraw bldg
Christa Marble Co., 1625 St. Aubin
Dumbar & Sullivan Dredging Co., Dime Bank bldg
Rankin Wm. (Cut Stone), 286 Commonwealth

Robertson, R. & Co., 5995 Milford
Sibley F. M. Lumber Co., Kercheval & Beaufait
*Solvay Process Co. (Limestone) (Works, Sibley, Mich.), Debray
DOWAGIAC—Rutherford I. (Cut Contractor)
FLINT—Barney M. C. & Son (Cut Stone)
GRAND RAPIDS—Hirth F. H.
Schmidt Matthew (Cut Contractors)
GRINDSTONE CITY—§Cleveland Stone Co.
HOUGHTON—*Portage Entry Redstone Co. (Ltd.)
KALAMAZOO—Winslow Edw. L. (Cut Contractors)
LOWELL—Hamilton Joseph H. (Est. of)
MANISTEE—Forth W. J. (Cut Stone)
MENOMINEE—Nowack F. C.
MUSKEGON—Bauer & Beamer
PORT HURON—Truesdell Marble & Granite Co.
SAGINAW—Mohr John F. (Cut Contractors)

MINNESOTA.

DULUTH—*Duluth Crushed Stone Co. (Crushed, etc.)
KASOTA—*Babcock & Willcox (Rough, Sawed, Planed & Cut)
*Kasota Marble & Tile Co.
MANKATO—Coughlan T. R. Co.
Ekle A. R.
*Fowler & Pay
Meyer A. G. & Sons
*Nelson J. B. Construction Co.
*Widell Co.
MANTORVILLE—*Mantorville Stone Co. (Bridge & Heavy Dimension)
MINNEAPOLIS—*Blue Limestone Co. B'way & K. N. W.
Hastings Cut Stone Co. (Cut Contractors), Main c 7th av S E
Jones & Hartley (Cut Contractors), 829 S 17th av
Penn Wm. Stone Co., 511 Plymouth bldg
Rich-McFarlane Cut Stone Co., 2707 26th av S
RED WING—*Lillybad, Gust. (Limestone)
ST. CLOUD—(See Granite Producers, Workers & Dealers)
ST. PAUL—Lauer Bros. (Contractors), ft. of Chestnut
Peterson P. N. Granite Co., Park av & Wabasha
St. Paul Stone Co., 868 W Minnehaha
*Ulmer Wm. H. Co. (Cut Contractor), ft of Chestnut
Young C. H. Co. (Cut Contractors), 653 Rice
SANDSTONE—*Kettle River Co. (Building, Bridge Paving, etc)
WINONA—*Biesanz Stone Co. (Cut & Rough)

MISSOURI.

BETHANY—Kenyon & Stanley (Cut Stone)
BOONVILLE—Merrifield J. E. (Cut Contractors)
BUTLER—*Day T. J.
CARTHAGE—*Carthage Marble & White Lime Co. (Limestone & Saw Mill)
*Carthage Stone Co. (Limestone & Saw Mill)
*Carthage Superior Marble & Limestone Co. (Cut Contractors)
*Kellogg Marble Co.
*Spring River Stone Co.
Steadley F. W. & Co. (Limestone)
COLUMBIA—Farley Ed. & Son (Cut Stone)
ELSBERRY—*Crystal Carbonate Lime Co.
HANNIBAL—*Star Lime Co. (Limestone)
KANSAS CITY—Forrester Bros. Stone Co. (Cut Contractors), 35th & Roanoke blvd
King Alex Stone Co. of Kansas, 1411 Reliance bldg
Lyle Rock Co., 609 Grand av & Temple
Phenix Marble Co. (Cut Contractors), 19th & Olive
Sutermeister Arnold Stone Co. (Cut Contractor), Troost av & Belt Line
LOUISIANA—*Crystal Carbonate Lime Co.
ST. JOSEPH—Maier Sebastian (Cut Stone)
*Pfeiffer Stone Co. (Cut Contractors)
ST. LOUIS—*Algonite Stone Mfg. Co., 4606 Chippewa
*Bambrick Bros. Const. Co., 5229 St. Louis av
Eyermann G. & Bros., 1216 S Grand av
*Heman Construction Co., Title Guarantee Trust bldg
*Perkinson Bros. Const. Co., 3237 Caster av
Pickel Marble & Granite Co. (Cut Contractors), 1901 N B'way
Pickel Stone Co. (Cut Stone), 1320 S Vandeventer av
Reitz Bros. Stone Co. (Cut Stone), 3007 Arsenal
St. Louis Contrg. Co., 4425 Clayton av
St. Louis Cut Stone Co. (Cut Contractors), 3535 Gratiot
*Sinclair Quarry & Cons. Co., Wainwright bldg
*Skrainka Construction Co. (Limestone), Security bldg
Thym Cut Stone Co. (Cut Stone), Brannon av & Odell
*Tower Grove Quarry & Const. Co., 5927 Fyler av
*Union Quarry & Const. Co., 4637 Nat'l Bdge rd
WARRENSBURG—*Pickel Benjamin

NEBRASKA.

GRAND ISLAND—Paine-Fishburn Granite Co. (Cut Stone)
Scheffel & Son (Cut Stone)
LINCOLN—Forburger Stone Co. (Cut Contractors)
Speidell C. E. & Son (Cut Stone)
OMAHA—Bloom J. F. & Co. (Cut Stone)
*Murphy Hugh Construction Co. (Red Sand), Bee bldg
Nebraska Stone Co. (Cut Contractors)

NEW HAMPSHIRE.

CLAREMONT—Messer Richard (Cut Contractor)
CONCORD — (See Granite Producers, Workers & Dealers)
MANCHESTER—(See Granite Producers, Workers & Dealers)
MARLBOROUGH—*Webb Granite & Construction Co. (Cut Contractors)
MILFORD—(See Granite Producers, Workers & Dealers)
WEST CONCORD—(See Concord Granite Producers, Workers & Dealers)

NEW JERSEY.

ASBURY PARK—Rothfritz R. E. E. (Blue)
ATLANTIC CITY—Balestrieri R. & Co. (Cut Contractor)
New Jersey Stone & Tile Co. (Cut Contractors)
BAYONNE—Brady's Jas. Sons Co.
BELLEVILLE—Tuorto Cut Stone Co. (Cut Contractors)
BRIDGETON—Platt Clarence B. (Cut Stone)
Shaw Wm. R. (Cut Stone)
CHANGEWATER—*Castner J. P.
EAST ORANGE—Mayer Bez Stone Co.
ELIZABETH—Clark A. L. Stone Co. (Blue)
ENGLEWOOD—Prentice Co. (Blue Stone, Crushed, etc)
Thompson Jos. & Son (Cut Contractors)
HACKENSACK—Long F. R., N. G. Broadhurst Co.
HARRISON—Spurr J. J. & Sons (Cut Contractors)
HASKELL—*Haskell Quarry Co.
HOBOKEN—Barr, Thaw & Fraser Co (Cut Contractors)
IRVINGTON—Backus Albert & Co. (Cut Stone)
JERSEY CITY—Muirhead Robt. (Blue), 76 Montgomery
Standard Blue Stone Co., 76 Montgomery
LAMBERTVILLE — *Delaware River Quarry & Construction Co. (See Jersey City)
LITTLE FALLS—*Ferguson's Wm. A. Sons (Crushed, etc)
MONTCLAIR—Wood Thomas (Blue, etc)
MORRISTOWN—Ennis C. W. & Co. (Blue, etc)
*New Jersey Trap Rock Co.
*North Jersey Quarry Co.
NEWARK—Boyle Thos. (Contractor), 174 Riverside av
Brown Geo. & Co. (Cut Stone Contractors), 370 Belleville av
Gerber A. F. Stone Co. (Blue), 153 Ridgwood av
Monahan Stone Co. (Dealers), Plum Point la
Rome Stone Cutting Co. (Cut Stone Contractors), 17 Grafton av
Schreitmueller Stone Co., 174 Wavly pl
Young R. & Sons (Cut Stone Contractors), 25 Grafton av
NEW BRUNSWICK—*Edge Hill Silica Rock Co.
NEWTON—Hopkins S. H.
ORANGE—§Spottiswoode-Cusack Co.
PASSAIC—Diamond Stone Co.
PERTH AMBOY—Satter H. & Son (Blue Stone, Cut Stone, Flagging), 219 Gordon
Williams David J. (Stoneyard)
PHILLIPSBURG—Martin Adam (Bluestone)
PLAINFIELD—Bartle Bros. (Building)
Lannon John (Blue)
Manning L. L. & Son
Watchung Stone Co. (Stoneyard)
RAVENROCK—*Ledger Jno.
ROCKY HILL—*Delaware River Quarry & Construction Co. (Paving Blocks)
SOMERVILLE—Sargeant Bros. (Flagging)
STOCKTON—*Twining S. B. & Co.
TRENTON—Hutchinson Samuel R.
McDonald Alex. Co.
*Richardson Jos. B. & Sons (Dealers)
Richardson P. B.
WEST NEW YORK—Effert & Gerisch (Blue Stone)
WOODBURY—Snelbaker W. B.

NEW YORK.

ALBANY—Ross Adam Cut Stone Co (Cut Contractor), 1003 B'way
ALBION—*Albion Medina Stone Co.
*Orleans County Quarry Co.
*Reed Allen & Reed
*Ryan M. A.
AMSTERDAM—Hennessey Wm. E.
AUBURN—*Goodrich C. E.
BIGELOW—*Williams Chas. & Co. (Limestone & Flux)
BINGHAMTON—Ingalls Stone Co. (Cut Contractors, Steam Cut Stone Works)
BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—*Appenheimer Jno. L., 75 Appenheimer av
*Buffalo Cement Co. Ltd., 110 Franklin
Carroll Bros. (Limestone), Elicott sq
*Empire Limestone Co., 19 Hudson
*Gehres Anna, 2178 Main
*McDonnell & Sons (Cut Stone), 858 Main
Maltby Geo. W. & Sons Co. (Cut Stone), 21 Maryland
Reeb M. A. Corp., 599 Michigan av
*Rupp John J., 2135 Fillmore av
Star Cut Stone Co., Persons & W Shore R. R.
CATSKILL—*Holdridge Geo. W. & Co.
DUNKIRK—Lake City Stone Co.
ELMIRA—Yenger B. (Cut Contractor)
GLOVERSVILLE—Hunter & Son (Cut Stone)
GOUVERNEUR—(See Marble Producers)
HALE EDDY—*Travis Stone Co. (Blue Stone)
HANCOCK—*Cotter E. J.
*Kirkpatrick Bros.
*Randall W. I.
HANKINS—*Manny Anthony & Co. (Blue)
HOLLEY—*Orleans Sand Stone Co. (Office, Syracuse)
HUDSON—Hoctor P. & Son (Cut Stone)
HULBERTON—*Ford A. H.
*Squires A. J.
ITHACA—Storms J. B. (Cut Stone)
JAMESTOWN—*Jamestown Shale Paving Brick Co.
LE ROY—*Heimlich John
LOCKPORT—Bendinger Louis
Stainthorpe C. N. & Co. (Building)
*Whitmore C. B. Co. (Sandstone)
LONG EDDY—*Kenney Bros. (Bluestone)
*Peak Cyrus (Bluestone)
LONG ISLAND CITY—(See New York City, Borough of Queens)
MIDDLETOWN—Wagar David P. (Blue)
MOUNT KISCO—Gorham D. F.
NARROWSBURG—*Partridge Jere (Bluestone)
NEW BALTIMORE—*McCabe Edward
NEW BRIGHTON—(See New York City, Borough of Richmond)
NEWBURGH—Crawford Wm. (Est. of) (Blue & Free Stone)
§Miller D. C. (Bldg)
Dwyer M. J. (Blue & Flagging)
Harrison & Curtis (Dimension)
§Miller D. C. (Crushed & Building)
NEW PALTZ—*Hasbrouck J. J. & Co. (Buhr Stones)
NEW ROCHELLE—Mahlstedt J. A. Lumber & Coal Co.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Curran Bros. & Murphy (Cut Contractors), 305 Douglas
Gould & Taylor Cut Stone Co. (Cut Contractors), 312 3d av
Harnden Jas. H. Co. (Blue), 991 Grand
Heinlein John Cut Stone Co. (Cut Contractor), 555 President
Parker Thos. Co. (Cut Contractor), 1259 Flushing av
Ross Wm. S. (Cut Contractor), 62 Medwood
Ryan N. Co. (Blue), foot Dock
Steinberg Steam Cut Stone Co. (Cut Contractors), 596 Rockaway av
Trudden M. (Blue), 107 Van Sindren av

Boroughs of Manhattan and Bronx.

NEW YORK—Annett Bros. (Stone Yard), 6 W 141st
Brown Geo. & Co. (Cut), 286 5th av
Cardo Bros. & Co. (Stone Yard), 3167 E Tremont av
Cohen Michael & Co. (Freestone, etc), 8 W 40th
Conlon Jas. W. (Blue Stone), E. R. & 71st
Dix Chas. H. (Freestone), 126 Liberty
Erie Blue Stone Association, 159 W 33rd
Finney C. H. & Sons (Stone Contractors), 139 W 53d
Hanlein Henry & Son (Cut Contractors), 417 E 103d
†Indiana Quarries Co. (Blue & Buff, Oolitic, Ind. Limestone), 101 Park av, Quarries & Mills: Bedford, Ind.
Lenahan J. B. (Cut Contractors), 293 Rider av
Lockwood David T. (Blue Stone), 280 B'way
Lodge Martin P. (Blue, Contractor), 532 W 44th
Marine Orlando (Dirs Only), 5 E 42d
Maxwell's Jno. Sons (Blue Stone, Wholesale), 51 Chambers
Moran D. W. (Blue Stone), 270 Burnside av
Nevins Edw. J. (Blue Stone), 638 W 51st
New York Cut Stone Co. (Cut Contractors), Walnut av & 133d
Pagano Jerome (Blue Stone), 2642 Park av
Penney Wm. H., Inc. (Stone Yard), 132nd & Willow av

(Continued on following page)

Stone (Cut)—Continued

NEW YORK—New York—Continued
- **Seus Rudolf (Cut Contractor), 406 E 109th**
- Smith Jno. R. (Cut Contractor), 421 E 103d
- Tompkins Kiel Marble Co., 505 5th av
- Williams B. A. & G. N. (Cut Contractors), Walnut av & 133d
- Young Jas. H. Stone Co. (Cut Contractors), Walnut av & 135th

Borough of Queens.

EVERGREEN—Evergreen Steam Stone Works (Breitenbach & Ruppenstein, Props.)
FAR ROCKAWAY—Mills Elmer D. (Cut Contractor)
LONG ISLAND CITY—Bradley Wm. & Son (Cut Contractors), Vernon av
- Brown Geo. & Co. (Cut Stone), Blvd
- Call Geo. & Co. (Cut Contractors)
- **Gillies Jas. & Sons (Cut Contractors), 177 13th**
- McWhirter W. H. Co. (Cut Contractors, 82 Woolsey
- Morrison David G. (Cut Contractor), 373 Vernon av
- Shuttleworth Edwin Co. (Cut Contractors), Vernon av
- Williams R. A. & G. N. (Cut Contractors), Mill & Orchard, Astoria

(End of New York City)

NORWICH—*Clarke-Conroy Co. (N. R. Blue)
OLEAN—Foley Bros. Co. (Cut Stone)
ONEONTA—Dauley & Wright (Cut Stone)
PEEKSKILL—*Peekskill Stone Co.
PHOENICIA—*McGrath Jno. L. (Blue Stone)
PORTAGEVILLE—*Portageville Bluestone Co.
PORT JERVIS—Bennet Jno. E. (Cut Stone)
- Nearpass E. E.

POTSDAM—†Potsdam Red Sandstone Co. (Sandstone)
POUGHKEEPSIE—Joy Walter A.
- Seamon Thomas H. (Blue Stone)

ROCHESTER—Oliver Horace T. (Cut Contractor), 323 South av
- *Whitmore, Rauber & Vicinus (Cut Contractors)

ROME—Prossner S. & Sons
RONDOUT—(See Kingston)
ROSCOE—*Reynolds W. J. (Blue Stone)
SAUGERTIES—*Maxwell's Jno. Sons (Blue) (Office, Phila., Pa.)
SCHENECTADY—Crane-Vreeder Co.
SYRACUSE—Arnold Conrad, 1207 Orange
- *Orleans Sand Stone Co.
- Solvay Process Co. (Limestone)

TARRYTOWN—Dinkel & Jewell Co. (Blue & Building)
TOMKINS COVE—*Tomkins Cove Stone Co. (Crushed, etc.)
TROY—Young Wm. H., Jr. (Cut Stone)
- Young's Sons & Co. (Cut Stone)

UTICA—*Conley Frank E. Stone Co. (Blue)
- McNierney Bros. (Flagging & Cut Contractors)

VOORHEESVILLE — *Cummings Bros. (Blue)
WALTON — *Connor Martha L. (Blue Stone)
- Shaw Herbert (Blue Stone)

WARSAW—*American Blue Stone Co. ("Genesee Valley")
WATERLOO—*Thomas G. C. & Bros.
YONKERS—Corkery Jno. J. (Blue)
- Kellock Jas. A. Cut Stone Co.

NORTH CAROLINA.

CHARLOTTE—Ward W. W. & Son (Dealers)
WINSTON-SALEM—*Bennett Bros.

OHIO.

ADA—Tressel Jas. G.
ALLENTOWN—(P. O. Address Elida, O.), Long, T. C.
AMHERST—*Amherst Cut Stone Co.
- Blum & Dilbridge (Cut Stone Contractors)
- Ohio Quarries Co. (Buff & Blue Ohio Sandstone, Sawed Stone a Specialty)

ASHTABULA—Smith Wm. & Son Co., (Stone, Cut)
BEACH CITY—*Winfield Bros. & Co.
BELLEFONTAINE—Paterson Monumental Works (Cut Stone)
BELLEVUE—*Higgins Stone Co.
- Patterson Monumental Works

BEREA—*Middleburg Stone Co. Office, Elyria, O.
BERLIN HEIGHTS—*Baillie Stone Co.
BLOOMVILLE—*France Co.
BLUFFTON—Bluffton Stone Co. (Office, Lima, O.)
BUCYRUS—*Broken Sword Stone Co.
CAMBRIDGE—Pyles Thos. (Flagging)
CANTON—Lang E. D. (Cut Stone), 1922 4th N W
CAREY—*National Lime & Stone Co. (Limestone)
CARROLLTON—*Marshall Jesse
CINCINNATI—*Bauer Jno. G., 1 Quebec rd, nr Price Hill
- Buckeye Marble Co. (Cut Contractors), 12 E. 3d
- Buente Louis C. (Stone Yard), 3656 Spring av., Cum.
- **Mersch Frank & Sons, 1037 Wade**
- Moores-Coney Co. (Limestone), St. Paul bldg
- Pielage Henry & Co. (Freestone & Limestone), 1032 Flint
- **Raff Allan Ross & Co., Greenwood bldg.**
- Spinks T. W. Co., 1512 Russel, Cos.
- *Spitzmiller Jos., 1601 Susan City
- *Spitzmiller L., 2197 Clara
- World's Fair Wrecking Co. (Freestone, etc), 1559 Gest

CLEVELAND—Brook John (Cut Contractor), 2169 E 28th
- *Burgess C. H., Euclid Quarries
- **Carabelli Jos. Monumental Works (Cut Stone), 12317 Euclid av**
- *Cleveland Stone Co. (Sandstone, Blue, Buff, etc), 1836 Euclid av
- *Columbia Stone Co. (Sandstone), Soc. for Sav. bldg
- **Dolomite Products Co. (Limestone) 1110 Euclid av**
- *Euclid Stone & Brick Co., ("Euclid" Steps, Sills, Block, Flagging, etc)
- *Kelley Island Lime & Transport Co. (Limestone), Leader News bldg
- **Ohio Quarries Co. (Ohio Sandstone, Sawed Stone & Specialty), Citizens' bldg. Quarries & Mills: Amherst, O.**
- *Rackle Geo. & Sons Co., A B C Line

CLOVERDALE—Blosser John S.
COLUMBUS—*Casparis Stone Co. (Cut & Crushed), Clinton bldg
- Kientz John (Cut Stone), 464 W State

CONSTITUTION—Constitution Stone Co. (Sandstone & Grindstones)
CONVOY—*Carey J. B.
COVINGTON—*Jackson Stone Co.
- Ruhl J. W.

DELAWARE—*Scioto Lime & Stone Co.
EIFORT—*Morgan & Horton (Limestone)
ELYRIA—*Middleburg Stone Co.
FINDLAY—*Hancock Stone Co. (Crushed, etc)
- Smith A. M. (Cut Stone)
- *Tarbox & McCall (Limestone, Crushed, etc)

FOREST—*Herzog Jno & Son (Building)
FORT JENNINGS—*Fort Jennings Stone Co.
FREMONT—*Gottron Bros. Co. (Limestone)
- *Swint Bros. Stone Co.

FULTON—*Fulton Stone Co.
GREENFIELD—*Rucker Quarries (Limestone)
HAMILTON—Stewart F. P. Granite Co. (Cut Contractors)
INDEPENDENCE—*Faudel Henry J.
IRONTON—Wileman & Heibling
KELLEYS ISLAND—Kelley Island Lime & Transport Co.
KENTON—Kenton Marble & Granite Co. (Cut Stone)
LAFAYETTE—*Watt Bros.
LEETONIA — *Shenango Limestone Co. (Limestone)
LEWISBURG—*Lewisburg Stone Co.
LIMA—*Bluffton Stone Co.
- *Interstate Stone Co.
- *Lewisburg Stone Co.
- *Lima Cut Stone Co.

LOWELLVILLE—*Carbon Limestone Co. (Branch of Youngstown, O.)
LYKENS—Harer G. V. & Co.
McDERMOTT—*McDermott Stone Co. (Blue & Buff Sandstone, Sawed or in the Block)
- *Waller Bros. Stone Co.

MADISONVILLE—Julien Jas. (Cut Contractor)
MANSFIELD—Fraser Granite Co. (Dealers)
- Wolff, E. M. & Co.

MAPLE GROVE—Dolomite Products Co. (See Cleveland)
MARBLE CLIFF—*Casparis Stone Co. (See Columbus, O.)
MARIETTA—McLaren & Wommer (Cut Stone)
- *Marietta Stone Co.

MARION—*Evans John Stone & Lime Co.
- *Hamilton J. M.
- Hinamon D. M.
- *Ohio & Western Lime Co. Office, Huntington, Ind.

MASSILLON—*Massillon Sand & Stone Co. (Sandstone)
- *Massillon Stone & Fire Brick Co.
- Heinhart Jno. & Son (Contractors)
- Sonnhalter Sand & Stone Co.

MIDDLEPOINT—*Erie Stone Co.
NEW PARIS—*Reinheimer Quarries Co.
NEW PHILADELPHIA—Beiter Jos. (Cut Stone)
PANDORA—*Schumacher Stone Co.
PATTERSON—*Herzog Jno. & Son (Building)
PIQUA—*Ohio Marble Co.
PORTSMOUTH—*Bodmer A. W.
SANDUSKY—*Butler Stone Co.
SPRINGFIELD—*Houlton Samuel P., Lagonda Creek
- *Jenkins John W. (Limestone)
- *Mills Bros. (Building, Bridge, Flagging, etc)
- *Rubsam W. A.

STEUBENVILLE—*La Belle Iron Works (Limestone, all Consumed by the Company)
- Steubenville Stone Co.

TIFFIN—Weott Lime & Stone Co.
TOLEDO—Eckhardt Monumental Co. (Cut Stone)
- *France Stone Co., 2d National Bank bldg
- **Knopp Bros Co. (Cut Contractors)**
- Lloyd Bros. Co., W Central & Auburn avs
- Neukom Albert Cut Stone Co. (Cut Contractor), 140 Ottawa
- **Peck C. & Son (Contractors)**
- *Toledo Stone & Glass Sand Co., Ohio bldg
- *Whitehouse Stone Co.

URBANA—Heatherman Patrick (Contractor)
VAN WERT—*France Co.
WARREN—Trumbull Stone & Sand Co.
WASHINGTON, C. H.—Burke P. J. Monumental Works (Cut Stone)
WATERVILLE—*France Stone Co.
WHITE HOUSE—*Whitehouse Stone Co.
YOUNGSTOWN—*Bessemer Limestone Co. (Limestone)
- Campbell Bros. Co. (Dealers)
- *Carbon Limestone Co.
- *Interstate Limestone Co.
- *Lake Erie Limestone Co.
- *Republic Iron & Steel Co. (Limestone, all Consumed by the Company)
- *See Branch Offices, Alphabetical Section*
- *Union Limestone Co.

ZANESVILLE—Cary F. S. & Co. (Cut Stone)

OKLAHOMA.

ARBUCKLE—*Dolese Bros. Co. (See Chicago)

OREGON.

PORTLAND—St. Helens Quarry Co. (Building Stone, etc) Blake-McFall bldg
- Schanen N. A. Marble Wks., 287 Hawthorne av
- Standard Marble Granite & Stone Co., 1474 Mac Adam

PENNSYLVANIA.

ALLENTOWN—Kline & Sacks (Cut Contractors), 433 N 13th
- Shoemaker G. W. & Co. (Cut Stone), 804 Hamilton

ALTOONA—Bell-Bockel Co.
- McGinley Cut Stone Co. (Cut Stone)
- **Vipond John S. (Cut & Flagging)**

ANNVILLE—*Annville Stone Co.
- 'Calcite Quarry Co.
- *Millard H. E.

AVONDALE—*Williamson Frank & Co.
BECHTELSVILLE—Hoffman, Oliver D & Son
BETHAYRES—*Jarrett F. H.
BIRDSBORO—*Birdsboro Stone Co. (See Phila., Pa.)
- *Dyer John T. Quarry Co.
- *Schuykill Stone Co. (Building, Bridge, etc)

BLAIRSVILLE—Murray C. F. & Son
BRIDGEPORT—*Tyson Jacob L.
BRISTOL—Bannister Marble & Granite Works (Flag & Building Stone Cutter)
BURMONT—*Maher Philip & Son
BUTLER—Hobaugh & Weiner
- *Schaffner Geo.

CANOE CREEK—*Blair Limestone Co. (Limestone) (See Pittsburgh, Pa.)
CARNEGIE—Carnegie Brick & Stone Co.
- Fort Pitt Stone & Brick Co.

CHESTER—*Miller Alexander
CONNELLSVILLE—Palmer Bros. (Cut Stone)
CONSHOHOCKEN—*Conshohocken Stone Quarry
- Daly Michael
- O'Neill Stone Co.

DANVILLE—Evans T. L. Sons (Cut Contractors)
EARLSTON (P. O. Everett, Pa.)—*Thropp Joseph E. (All Limestone for Blast Furnace Use)
EASTON—Howell's D. J. Sons
- Kelly Patrick & Son (Blue)

EDGEHILL—*Comly Frank T
- *Edge Hill Silica Rock Co.

ELLWOOD CITY—*Clydesdale Brick & Stone Co.
- Consolidated Stone & Mining Co.
- Ellwood Stone Co.

EPHRATA—Bolster Bros. Cut Stone)
FRANKSTOWN—American Lime & Stone Co.
GREEN LANE—*Davis Trap Rock Quarry Co.
- *Perkiomen Crushed Stone Co. (Crushed, etc)

GREENSBURG—Unity Sand & Stone Co.
GREENVILLE—*Greenville Silica Co.
GROVE CITY—Robert J. Breckenridge Stone Co.
HANOVER—Meyers Emanuel B. (Limestone)
HARRISBURG—Black Jno. (Cut Contractor)
HAZLETON—*Kehoe & Co.
HOLLIDAYSBURG—§Baldridge E. R. & Co. (Limestone)
HOMESTEAD—Erbeck F. J. (Cut Contractor)
JOHNSTOWN—Bader & Huebner
- *Cambria Steel Co. (Limestone, all consumed by the Company) Main Office: Philadelphia, Pa.
- Rowena Stone & Sand Co.
- Schenkemeyer Chas. & Sons
- Somerset Stone Co.

KING OF PRUSSIA—*Schweyer Hy. A. Co.

LANCASTER—•Betz Jacob
Haldy Marble & Granite Works
Heidig John B.
Hook John H
Moedinger's Jno. M. Sons
Penna. Stone, Cement & Supply Co.
LEBANON—•Hauck A. B.
•Lebanon Stone Co.
•Maillard J. B. & Son
•Mount Gretna Brownstone Co.
McKEESPORT—Bowman Bros. Co. (Freestone)
Winters Edwin (Cut & Flagging)
McKEES ROCKS—Petty Wm.
MERCER—Robinson N. T. (Flagging)
MESHOPPEN—•Ridgway B. & Son (Penns Blue)
MORTON—•Hill W. V.
MYERSTOWN — •Calcite Quarry Co. (Limestone. (See Annville, Pa.)
•Ebling John D.
•Millard J. B. & Son. (See Lebanon, Pa.)
NAGINEY — •National Limestone Co. (Limestone)
NEW CASTLE—•Beaver Valley Sandstone Co.
•Great Northern Sand & Stone Co.
•Johnson Geo. W. Limestone Co. (Limestone)
•Lawrence Limestone Co.
•Mahoning Limestone Co.
•National Stone Co.
•New Castle Limestone & Clay Co.
•Pittsburg Limstone Co.
•Rose Point Stone & Lime Co.
•Shenango Limestone Co.
NICHOLSON—•Franklin Stone Co.
•Shields Moses Sons (Cut & Sawed)
NORRISTOWN—Derr, Walter
Dyer John T. Quarry Co. (Building & Crushed)
Landis William G. (Flagging & Cut)
•Lukens & Yerkes
Sullivan W. M. (Cut, Contractor)
OIL CITY—•Pearson Andrew P., (Sandstone)
Roess G. F. & Son, (Sandstone), 309 W 3rd
PALMYRA—•Dietz W. G. (Limestone)
PERKASIE—•Wamsher Harry G.
PHILADELPHIA — Ambler-Davis Co., Harrison bldg
•Birdsboro Stone Co. (Road & Concrete, etc.), Land Title bldg
Copeland Hugh & Sons (Cut Contractors), Washington & 24th
•Davis Trap Works, City Centre bldg
Delaware River Quarry & Const. Co., Com'l Tr. bldg.
Dodds Jno. A. (Cut Contractors), 2929 Ellsworth
Dyer John T. Quarry Co., Harrison bldg
Eastern Marble & Granite Works, 2906 Ridge
Gray Wm. & Sons Co. (Cut Stone Contractors), 30th, Bel Walnut
Hagan John & Co. (Stone Yard), cor Comly ab Del.
Hastings & Morrison (Cut Contractors & c Saw Mills), 1510 Wash'n av
Holmesburg Granite Co., Welch rd
Ireland W. H., Colnl. Tr. pl
Lambertville Stone Quarry Co., Colnl. Tr. bldg.
Law & Burwell (Cut Contractors), Union & Ogden
•Lukens & Yerkes, St. Girard bldg
O'Neil Jerry, F. & Wyoming
Peoples Bros. (Building & Crushed), 25th & Callowhill
•Richardson & Ross Quarry Co., Penna bldg
•Ridgway B. & Son (Wyoming, Blue, Rough & Cut Work), N 9th & Columbia av
PHOENIXVILLE—Detwiler Monumental Works (Cut Contractor)
PITTSBURG—Booth & Flinn (Ltd), 1942 Forbes av
•Carnegie Steel Co. (Limestone for Their Own Use), Carnegie bldg. Quarries at Mercer, Pa.
•Clydesdale Brick & Stone Co., Jenkins Arcade
Coutts Thos. Co. (Cut Contractors), 3324 Smallman
Dallas & Nardulli, 608 Larimer av
Damm Joa., 1403 East
Happ Louis (Cut Contractor), 1315 Penna av
Morrison Bros. Co. (Cut Contractors), 459 South
•Republic Iron & Steel Co. (Limestone, all consumed by the Company), Oliver bldg
•Walkers Mills Stone & Brick Co., Keenan bldg
Ward J. H. & Sons Co., Park & Nelson
Winfield Limestone Co., 2215 Oliver bldg
PLYMOUTH MEETING—Cox Lime & Stone Co. (Limestone)
POINT PLEASANT—•Heaney Nicholas L.
PORT KENNEDY—•Erwin Arch. B. (Limestone)
POTTSTOWN—§Nagle Geo. W. (Dimension)
QUAKERTOWN—•Clark Josiah (Flagging)
READING—Faust John K. & Son
Mt. Penn Sand & Stone Works N 10th
RIDLEY PARK—•Harper Walter
ST. MARYS—Dippold Fred M. (Cut Stone)
SCHWENKVILLE—Koons Frederick S.
SCRANTON—•Carlucci Nicholas (Cut Contractors), Albright & Providence rd
Ruddy M. J. (Cut Contractor), 1304 Adam av
•Stipp Peter & Sons (Blue & Yellow), Colfax & Pine
Sykes Samuel & Son (Cut Contractors), 218 Larch
•White Haven Quarry Co.
SHAMOKIN—Barr Peter
SHARON—McIntyre Wm. & Sons (Cut Stone Contractors)
SOUTH BETHLEHEM—•Bethlehem Steel Co. (Limestone, All Consumed by the Company)
STEELTON—§Cumbler Geo. W. (Est. of) (Limestone)
Messenger Bros. (Cut Stone)
Penna. Steel Co. (See Phila., Pa.)
TEMPLETON—•Templeton Limestone Co. (Limestone, etc)
TYRONE—§American Lime & Stone Co. (Limestone)
WALKERS MILLS—•Walkers Mills Stone & Brick Co.
WALTONVILLE—•Brown Stone Store Co. (Rough, Sawed & Dressed Building Stone & Cut Contractors)
WAMPUM—•Beaver Valley Sandstone Co. (See New Castle, Pa.)
•Cambrian Limestone Co.
Clydesdale Brick & Stone Co. (See (See Pittsburgh)
•Consolidated Stone & Mining Co. Pittsburgh)
WAYNE—•Johnson Richard H. Co.
•McClellan Wm.
WAYNESBORO—•Decarbonated Lime & Stone Co. (Limestone)
WEST CHESTER—Corcoran Construction Co.
WEST CONSHOHOCKEN—•O'Brien Louis H.
•Phila. & Conshohocken Stone Quarry Co.
WEST GROVE—•Penna. Marble & Granite Co. (Cut Contractors) (See Phila., Pa.)
WILKES-BARRE—Schmidtt's John A. Sons (Laurel River Red)
WILKINSBURG—Holmes Bros.
Iron City Stone & Const. Co. (Cut Contractors)
•New Kensington Stone Co. (Bridge, Curb & Rubble, etc)
WILLIAMSPORT—Carothers A. K.
Gibbons J. E. (Cut Stone)
Steumpfle's David Sons
Susquehanna Stone Co.
YARDLEY—•Eastburn Chas. T.
YORK—•Baker J. E. Co. (Limestone & Lime Mfrs.)
York Cut Stone Co. (Cut Contractors)
§York Valley Lime Co. (Limestone)

RHODE ISLAND.

EAST PROVIDENCE—•McCormick Jos. (Foundation & Bldg)
NEWPORT—Riggs Geo. H.
PROVIDENCE—Goff Jas. C. Co. (Blue), 31 Point
Manchester & Hudson Co. (North River Blue), 55 Point

SOUTH CAROLINA.

COLUMBIA—Hyatt F. H.
LIBERTY—Beverly Stone & Sand Co., Dept. H

SOUTH DAKOTA.

SIOUX FALLS—Ballard & Son (Cut Stone)

TENNESSEE.

CHATTANOOGA—Chickamauga Quarry & Construction Co.
Troutt John & Co. (Cut Contractors), 11th & Newberry
MEMPHIS—Christie Cut Stone Co. (Cut Contractors), 2082 Elzey
Morriss Bros. (Cut Contractors & Sawmills)
NASHVILLE—Hardison W. T. & Co. (Dealers), foot Shelby av

TEXAS.

AUSTIN—•Austin White Lime Co. (Limestone)
DALLAS—Moore & Co. (Dealers)
DENISON—Chamberlain A. P. (Cut Stone)
EL PASO—•Dudley & Orr
Pioneer Marble & Granite Works (Cut Stone)
•So. Western Portland Cement Co.
FORT WORTH—Henderson James G.
U. S. Engineering Constr. Co., Dept. H
Wells M. J. (Cut Stone)
HOUSTON—Gulf Granite Co.

UTAH.

SALT LAKE CITY—Johnson C. O. (Cut Stone)

VIRGINIA.

NORFOLK—Consolvo & Overmeyer
PORTSMOUTH—Ogg A.
RICHMOND—Gemmel Bros., 902 Catharine
Mason Wm. R. (Cut Contractor), 1601 W Marshall
Matzke Otto A. (Cut Contractor)
ROANOKE—Boxley W. W. & Co., 1st Natl. Bank bldg

WASHINGTON.

SKYKOMISH—•Maloney John
SPOKANE—Washington Monumental & Cut Stone, 1530 2nd
TACOMA—Donnellan & McKenzie (Cut Contractors)
Walker Cut Stone Co. (Cut Contractors)
TENINO—•Tenino Stone Co. (Sand Stone)

WEST VIRGINIA.

BUNKER HILL—•Baker J. E. Co. (Limestone & Lime Mfrs.)
HINTON—Noel R. E.
KINGWOOD—•Kingwood Quarries Co. ("Kingwood," "Yellow")
MARTINSBURG—•Blair Limestone Co. (Office, Pittsburgh, Pa.)
•Security Cement & Lime Co. (See Baltimore, Md.)
•Standard Lime & Stone Co. (See Baltimore, Md.)
NEW CUMBERLAND — •Kings Creek Quarry Co.
WHEELING—Rosenberg J. H. Jr.

WISCONSIN.

ABLEMAN—•Gall Wm.
CHIPPEWA FALLS—Colfax Stone Co.
CLINTONVILLE—Melzer William (Building & Cutter)
DE PERE—•Wobosel Matthew
DUCK CREEK—•Brunette M.
FOND DU LAC—•Standard Lime & Stone Co.
GREEN BAY—•Greenleaf Stone Co.
LA CROSSE—•La Crosse Stone Co. (Paving Bldg etc.)
LANNON—•Davis Bros.' Stone Co.
•Flanagan Jno. J. Jr.
•Harmon & Son
•Lake Shore Stone Co.
MADISON—Paunnack E. F.
MANITOWOC—Kettenhofen N. (Cutter)
MARBLEHEAD—•Nast Bros. Lime & Stone Co. (Limestone)
•Union Lime Co. (Limestone) (See Milwaukee, Wis.)
MILWAUKEE—Andres Stone & Marble Co. (Cut Contractors), Keefe av & Richards
•Empire Lime & Stone Co. (Limestone)
Kies Wolfgang, 3310 Vliet
•Lake Shore Stone Co., 1st Nat. Bank bldg
•Manegold A. F. & L., 766 Jefferson
Manz Joseph, 1609 Clark
Schmidt P. & Co. (Cut Contractors), 3038 Galena
•Story Bros. (Limestone), Blue Mound rd
Tingley C. Wallace (Cut Contractor), 720 31st
Vollbrecht & Olsen, 753 South Canal
•Wauwatosa Stone Co. (Limestone), 204 Grand
•Western Lime & Cement Co., Pabst bldg
Wilce John
OSHKOSH—§Cook & Brown Lime Co. (Limestone)
•Leitz Robt. (Paving)
SHEBOYGAN—Scheele Henry Jr. (Cut Contractor)
•Sheboygan Lime Works (Lime Stone)
WAUWATOSA—•Zimmerman John Co.

14341— Stone (Flattening)

Beaver Valley Pot Co. (For Window Glass Mfrs.), Rochester, Pa.
Souder F. M. ("Imp."), Millville, N. J.

14342— Stone (Fluxing)

Dolomite Products Co., 1110 Euclid av, Cleveland, O.
Herzog Jno. & Son, Forest, Ohio
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Kelley Island Lime & Transport Co., (Foundry & Blast Furnace), Leader News bldg., Cleveland, O.
Limestone Products Corp. of Am., 26 Cortland, New York
Marble Cliff Quarries Co., Columbus, Ohio
Security Cement & Lime Co., Hagerstown, Md.
Standard Lime & Stone Co., Equitable bldg, Baltimore, Md.
Utility Manfg. Co., 1816-24H Lancaster, Baltimore, Md.
Woodville Lime Products Co., 622 Madison av, Toledo, O.

14343-4—Stone Morgue & Dissecting Slabs

Euclid Stone & Brick Co., Cleveland, O.

14345— Stone Renovators

Dye Bros., 100½ W 54th, New York
Finney C. H. & Sons, 139 W 53d, New York
Fordham Stone Renovating Co. (Granite, Marble & Brownstone Renovated & Pointed), 417 E 34th, New York
National Stone Renovating Co., 434 W 45th, New York
Paris Stone Renovating Co., 5 Great Jones, New York

Stone Rubbing Beds

See Rubbing, Beds, Stone, Slate, etc.; also Machinery, Stone Polishing

14346—Stone Saw Blades (Steel)

Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
Elyria Iron & Steel Co., 232 E 131st, Cleveland, O.
Oldham New York Saw Wks., Inc., 112 26th, Brooklyn, N. Y.
Sharon Steel Hoop Co., Finance bldg, Sharon, Pa.

14347— Stone Screenings

Bessemer Limestone Co., Youngstown, O.
Biesanz Stone Co., Winona, Minn.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Standard Lime & Stone Co., Equitable bldg, Baltimore, Md.
Toledo Stone & Glass Sand Co., Toledo, O.
Winfield Limestone Co., 2215 Oliver bldg, Pittsburgh, Pa.

14348—Stone Stair Treads, Platforms & Risers

Euclid Stone & Brick Co., Cleveland, O.
Structural Slate Co., The, (Slate Only), 101 Marietta, Pen Argyl, Pa. (With Natural Slate Blackboard Co., Pen Argyl)
Structural Stone Co., Hubbard, Ohio

14349— Stone Urinal Slabs

Alberene Stone Co. (Soapstone), 153 W 23d, New York
Euclid Mfg. Co., Padden City, W. Va.
Euclid Stone & Brick Co. (Slabs & Stalls), **Cleveland, O.**

14349a—*Stonekote (Exterior Cement Plaster)

GARDEN CITY SAND CO., Chamber of Commerce bldg, Chicago, Ill.

14350— Stoners (Cherry, Peach, Etc.)

Cassady Fairbank Mfg. Co. (**"Manchardt's"**), 6126 S La Salle, **Chicago,** Ill.
Dunkley Co., 120 12th, Oakland, Cal.
Enterprise Mfg. Co., (Cherry only), 3rd & Dauphin, Phila., Pa.
Goodell Co. (Family), Antrim, N. H.
Mapes E. B. & Co., South Haven, Mich.
New Standard Hardware Works (Cherry), Mt. Joy, Pa.
Rollman Mfg. Co. (Ltd.), Mount Joy, Pa.
United States Hdwe. & Mfg. Co., 16H Warren av, Pawtucket, R. I.
Wrightsville Hardware Co. ("Brighton" Cherry Stoner), Wrightsville, Pa.

14350a—Stones (Commutator)

Cleveland Stone Co., 1836 Euclid av, Cleveland, O.
Ideal Commutator Dresser Co., 8 S. Dearborn, Chicago, Ill.
Martindale Electric Co. ("Imperial"), 11731 Detroit av, Cleveland, Ohio
Martindale Electric Co. ("Imperial" "Handy"), 11737 Detroit av, Cleveland, Ohio

14351— Stones (Emery)

Amer. Emery Wheel Wks. (Corundum), 325 Waterman, Providence, R. I.
Bridgeport Safety Emery Wheel Co., 88 Knowlton, Bridgeport, Conn.
See adv index at end of book
Carborundum Co. (Carborundum & Aloxite), Niagara Falls, N. Y.
Norton Co. (Alundum & Crystolon), Barbers Crossing, Worcester, Mass.
Pike Mfg. Co., Pike, N. H.
Safety Emery Wheel Co., Springfield, O.
Tanite Co., Stroudsburg, Pa.
Vitrified Wheel Co., Westfield, Mass.

14352—Stones (Glass Cutters')

Norton Company, Barbers Crossing, Worcester, Mass.
Pike Mfg. Co., Pike, N. H.

14353—Stones (Lithographing)

Martin & Bechtold, Inc., 32 Greene, New York
Senefelder Litho Stone Co. (Imp.), 32H Greene, New York

14354—Stones (Oil & Water)

American Emery Wheel Works, 325 Waterman, Providence, R. I.
American Hone Co., Olean, N. Y.
Bracher Co., Belleville, N. J.
Carborundum Co. (Carborundum & Aloxite & Natural), Niagara Falls, N. Y.
Chicago Wheel & Mfg. Co., 1101 W Monroe, Chicago, Ill.
Detroit-Star Grinding Wheel Co. (Oil), 111 Cavalry, Detroit, Mich.
Dixon Wm. (Dirs), 119 Fulton, New York
Luther Grinder Mfg. Co. ("Dimo Grit"), 285 So. Water, Milwaukee, Wis.
Norton Co. ("India"), Barbers Crossing, Worcester, Mass.
Oliver Machinery Co. ("Oliver"), Grand Rapids, Mich.
Pike Mfg. Co., Pike, N. H.
Scranton Whetstone & Abrasive Wheel Co. ("Ideal" "Green Turtle" "Red Cloud" "For-Get-Me-Not" "Rex" "Hindostan"), Scranton, Pa.
Tanite Co., Stroudsburg, Pa.
Vitrified Wheel Co., Westfield, Mass.

14355— Stones (Pulp)

Lombard & Co. (English New Castle), 236 A, Boston, Mass.

14356— Stones (Rubbing)

American Rubbing Stone Co., 1216 Gest, Cincinnati, Ohio
Eureka Rubbing Stone Co. (For Car & Carriage Painters, etc), 157 W Austin, Chicago, Ill.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book

14357— Stones (Scythe)

Bracher Co., Belleville, N. J.
Carborundum Co. (Carborundum & Aloxite), Niagara Falls, N. Y.
Chicago Wheel & Mfg. Co., 1101 W Monroe, Chicago, Ill.
Cleveland Stone Co., 1836 Euclid av, Cleveland, O.
Norton Co. (Alundum & Crystolon), Barbers Crossing, Worcester, Mass.
Pelkey W. H., Fair Haven, Vt.
Pike Mfg. Co., Pike, N. H.

14358— Stones (Shelling)

Bernard & Leas Mfg. Co., 403 20th, Moline, Ill.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.

14359— Stones (Tool)

Bauer J. A. Pottery Co., 415 W av 33d, Los Angeles, Cal.
Carborundum Co. (Carborundum & Aloxite), Niagara Falls, N. Y.
Chicago Wheel & Mfg. Co., 1101 W Monroe, Chicago, Ill.
Cleveland Stone Co., 1836 Euclid av, Cleveland, O.
Ohio Quarries Co., Citizens' bldg, Cleveland O. Quarries & Mills: Amherst, Ohio
Pike Mfg. Co., Pike, N. H.

14360—Stoneware (Chemical)

Acid Proof Clay Products Co., Akron, Ohio
Behrend F., Inc. (Importers), 170 Front, New York
Burns E. Reed Supply Co., 25 Jackson, B'klyn, N. Y.
Dorchester Pottery Works, 9 Preston, Boston, Mass.
Gem Stopper Co. ("Gesco" Carboy Stopper), 2120 Nicholas, Phila., Pa.
General Ceramics Co., 50 Church, New York
Graham **Chas. Chemical Pottery Works, 986 Metropolitan av, Brooklyn, N. Y.**
Hood B. Mifflin, Atlanta, Ga.
Knight Maurice A., Kelly av, East Akron, Ohio
Remney Richard C. Son Co., Hedley & Delaware River, Phila., Pa.
Southern California Clay Products Co. 2298 E 52d, Los Angeles, Cal.
Structural Stone Co., Hubbard, Ohio
Uhl Pottery Co. (Jars, Churns, Crocks, Jugs, etc), Evansville, Ind.
United States Stoneware Co. (Receivers, Pipes, Pots, Faucets, Tanks, Retorts), Akron, O.
Weeks Arthur J., Akron O.

14361— Stools (Adjustable)

Holmquist & Company ("Home-Kissed), 2558 Armitage, Chicago, Ill.
Ohio Mfg. Co. (Steel Factory), P. O. Box 146, Painesville, O.
See adv index at end of book
Pollard Brothers, 4040 N Tripp av, Chicago
Toledo Metal Furniture Co. ("Eureka"), Toledo, O.

14362— Stools (Folding)

Cook C. A. Co. ("Utility"), Cambridge, Mass.
Everhot Mfg. Co. ("Everhot Camp Stools"), 619 S 10th av, Maywood, Ill.
Gold Medal Camp Furn. Mfg. Co. ("Gold Medal"), 1700 Rickard av, Racine, Wis.
Plastone Co. (Step Ladder), Los Angeles, Cal.
Sterling Foundry Co. ("Sterling" Step Ladder), Sterling, Ill.
Tucker Duck & Rubber Co. ("Peerless"), Ft. Smith, Ark.
Zieg B. F. Mfg. Co., Frederickstown, O.

14362a—Stools (Lunch Room)

Chicago Hardware Foundry Co., Chicago, Ill.
Pick Albert & Co., 212 W Randolph, Chicago, Ill.
Vitrolite Co., Chamber of Commerce, Chicago, Ill.

14363—Stools (Steel, Factory & Office)

Angle Steel Stool Co. (Angle Steel Legs), Otsego, Mich.
Bernstein Mfg. Co. (Factory Stools & Chairs), 3d & Allegheny, Phila., Pa.
Buffalo Metal Furniture Mfg. Co., Buffalo, N. Y.
Celina Specialty Co., Celina, O.
Clark W. J. Co., Salem, O.
Cleveland Wire Spring Co. (Adjustable), 1281 E 38th, Cleveland, O.
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Heller P. A. & Sons, 213 State, Detroit, Mich.
Hughes Steel Equipment Co. (Factory), Allegan, Mich.
Jencks H. F. Co. (Factory), Pawtucket, R. I.
Kalamazoo Steel Goods Co., 412 E Ramson, Kalamazoo, Mich.
Manufacturing Equipment & Engineering Co., Framingham Mass.
OHIO MFG. CO. (Adjustable Steel Factory), P. O. Box 146, Painesville, O.
See adv index at end of book
Pollard Brothers, 4040 N Tripp av, Chicago
Welch W. M. Scientific Co., 1516 Orleans, Chicago, Ill.

14364— Stools (Store)

Andrews A. H. Co. (Metal), 107 Wabash av, Chicago, Ill.
Bryan Novelty Mfg. Co. ("Triumph" Auto, "Ideal" Auto, "20th Century," "Yunck" & "Bryan"), Bryan, Ohio
Buffalo Metal Furniture Mfg. Co. ("Nevewear" Revolving Top, etc.), Buffalo, N. Y.
Celina Specialty Co. (Metal), Celina, O.
Chicago Hardware Foundry Co. (Revolving), North Chicago, Ill.
Cook C. A. Co. ("Utility," Folding Counter), Cambridge, Mass.
Jenkins Machine Co. (Revolving), Sheboygan, Wis.
Toledo Metal Furniture Co. ("Perfection," "Service," "Model" Steel, also Pedestal), Toledo, O.

14364a— Stools (Wooden)

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Queen Mfg. Co. ("Queen" Bath Room), 1647 N Winchester, Chicago, Ill.
Teepe J. Chas., Inc. (Bath Room), Mott & Vernon aves, Long Island City, N. Y.

14365—Stoppers (Bath & Basin)

See also Stopples, Rubber

Canfield H. O. Co. ("Canfield" Rubber), 191 Houstanic av, Bridgeport, Conn.
Goodrich B. F. Co. (Rubber), Akron, O.
Indiana Rubber & Insulated Wire Co., P. O. Box 192, Jonesboro, Ind.
Schacht Rubber Mfg. Co. ("Daisy" Rubber), Huntington, Ind.
U. S. Rubber Co., 1790 B'way, New York
See adv index at end of book
Wise J. B., Inc., Watertown, N. Y.
Wolverine Brass Works, Grand Rapids, Mich.

14366— Stoppers (Bottle)

See also Corks, Crown

Bernardin Bottle Cap Co. ("Cyclone"), Evansville, Ind.
Canfield H. O. Co. (Rubber), 191 Houstanic av, Bridgeport, Conn.
Carr-Lowrey Glass Co., Westport, Baltimore, Md.
Consolidated Fruit Jar Co. (Perfume & Toilet Water Sprinkler), New Brunswick, N. J.
Gem Stopper Co. ("Geco"), 2120 Nicholas, Phila., Pa.
Hutter Karl ("Hutter" Porcelain), 241 Lafayette, New York
Interstate Bottle Stopper Co., 168 39th, Brooklyn, N. Y.
Schacht Rubber Mfg. Co. ("Daisy"), Huntington, Ind.
Taplin Mfg. Co. ("Victor"), New Britain, Conn.
U. S. Bottle Stopper Co., Haw Tree Creek rd, Woodhaven, N. Y.
Whitall Tatum Co., 48 Barclay, New York
Wildman-Treherne Co. (Glass, Straight, Tapered & Shell), 85 Franklin, New York

14367—Stoppers (Gas Main)

Behringer Edw. A. Inc. ("Behringer" & "Perfect"), 98 Park pl, New York
Safety Gas Main Stopper Co. ("Goodman"), 263 E 133d, New York

14368-9—Stoppers (Milk Bottle)

Chapin R. E. Mfg. Works, Batavia, N. Y.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book

14370-1—Stoppers (Plumbago)

Bartley Jonathan Crucible Co., Trenton, N. J.
McCullough-Dalzell Crucible Co., 36th & A. V. R. R., Pittsburgh, Pa.

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27 Sheldon Street Norwich, N. Y.

Morrill Charles ("Morrill" & "Apex" Brands), 94 Lafayette, New York
See adv index at end of book
Ross-Tacony Crucible Co., Robins & Milner, Phila., Pa.

14372—Stoppers & Nozzles (Ladle)

Ross-Tacony Crucible Co., Robins & Milner, Phila., Pa.
Seidel R. B. (Inc.) (For Open Hearth & Bessemer Ladles), 1332 Callowhill, Phila., Pa.

14373— Stopples (Rubber)

Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Continental Rubber Works, Erie, Pa.
Davol Rubber Co., 69 Point, Providence, R. I.
Faultless Rubber Co., Ashland, O.
Goodrich B. F. Rubber Co., Akron, O.
Goodyear Tire & Rubber Co., Akron, O.
Hodgman Rubber Co., 25 W 43rd, New York
Manhattan Rubber Mfg. Co., Passaic, N. J.
Mercer Rubber Co., Hamilton Square, N. J.
National India Rubber Co., Bristol, R. I.
N. Y. Belting & Packing Co., 91 Chambers, New York
Parker-Stearns & Co., 286 Sheffield av, Brooklyn, N. Y.
Pennsylvania Rubber Co., Jeannette, Pa.
Revere Rubber Co. (Acid Corks, etc), Chelsea, Mass.
Rubber Stopple Co., West av, Long Island City, N. Y.
Seamless Rubber Co., New Haven, Conn.
Tyer Rubber Co., Andover, Mass.
U. S. Rubber Co., 1790 B'way, New York
See adv index at end of book

14374— Stops (Bench)

Buffum Tool Co. ("Swastika" Carpenters'), South Side, Louisiana, Mo.
Cincinnati Tool Co. ("Hargrave"), Main & Waverly av, Cincinnati, Ohio
Dicke Tool Co., Downers Grove, Ill.
MORRILL CHAS. INC. ("Morrill" & "Apex" Brands. "During half a century we have never received a complaint"), 100 Lafayette, New York
See adv index at end of book
Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book
Smith Seymour & Son, Oakville, Conn.
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*
Van Doren Mfg. Co. ("Vandor"), Chicago Heights, Ill.
Vaughan & Bushnell Mfg. Co. ("V. & B." German Pattern), 2114 Carroll av, Chicago, Ill.

14375— Stops (Bit)

Millers Falls Co. (Anti Friction Ball Bearing), Dept. H, Millers Falls, Mass.

14376—Stops (Crane Limit)

Electric Controller & Mfg. Co., Cleveland, Ohio *See adv index at end of book*

14377—Stops (Curb & Waste)

Pacific Faucet Mfg. Co., 940 E 60th, Los Angeles, Cal.
Union Water Meter Co., Worcester, Mass.

14378-9— Stops (Flue)

Central Stamping Co., 296 B'way, New York
Clark J. L. Mfg. Co. ("Glen"), Rockford, Ill.
Crunden-Martin Mfg. Co., 2d & Gratiot, St. Louis, Mo.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Lalance & Grosjean Mfg. Co. ("Royal"), 299 B'way, New York
Lawson F. H. Co., Cincinnati, O.
McAleer E. J. & Co., 1422 N 8th, Phila.,Pa.
National Enameling & Stamping Co., 411 5th av, New York
Pacific Stove & Stamping Co., Idaho & Duwanish av, Seattle, Wash.
Peoria Can Co. ("Stay-In"), Peoria, Ill.
Phillips & Buttorff Mfg. Co. (Safety), Nashville, Tenn.
Roseland Can & Specialty Co. ("Imperial," "Royal," "Rockford," "Regal"), Rockford, Ill.
Wagner Mfg. Co., Cedar Falls, Ia.
Washburn Co. (Andrews Division) ("Higgins," "Androck," "Edwards"), Preston, Rockford, Ill.
Weber & Kirck Mfg. Co. ("Wagner's"), Keokuk, Iowa

14380—Stops (Planer, Automatic)

Lamb Knitting Machine Co. ("Usher"), Chicopee Falls, Mass.

14381— Stops (Shaft Tug)

Searls Mfg. Co., 29 Mulberry, Newark, N. J.

14382—Stops & Wastes (Compression)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Central Brass Mfg. Co., 6206 Cedar, Cleveland, O.
Dick Bros., Reading, Pa.
Exeter Brass Works, Exeter, N. H.
Haines, Jones & Cadbury Co. ("H. J. & C.") 1136 Ridge av, Philadelphia, Pa.
Hoffmann & Billings Mfg. Co., 100 2nd, Milwaukee, Wis.
Kitson Co., 2815-2827 Oakford, Phila., Pa.
Landers, Frary & Clark, New Britain, Conn.
Leader Brass Foundry & Mfg. Co., 3302 Jennings rd, Cleveland, Ohio
McRAE & ROBERTS CO., 100 S Campbell av, Detroit, Mich.
Milwaukee Brass Mfg. Co., 251 Lapham, Milwaukee, Wis.
Mueller H. Mfg. Co. (Also Ground Key), Decatur, Ill.
See adv index at end of book
Pacific Faucet Mfg. Co., 940 E 60th, Los Angeles, Cal.
Peck Bros. & Co. ("Universal"), New Haven, Conn.
Roberts Brass Mfg. Co., 5435 W Fort, Detroit, Mich.
Robertshaw Mfg. Co., Youngwood, Pa.
Stebbins E. Mfg. Co., Springfield, Mass.
Walworth Mfg. Co., Boston, Mass.

Storage Battery Locomotives

See also Locomotives (Storage Battery)

14382a— Storage Cabinets

See also Cabinets (Storage)
DURABILT STEEL LOCKER CO., Aurora, Ill.
See adv index at end of book

14382b—*Storage Pockets (Industrial Plant)

CRANE SILO CO., INC. (for Storage of Cement, Coal, Grain, Gravel, Sand, etc.,; Pockets, Concrete, Tile, Wood), 27 Sheldon, Norwich, N. Y.
See adv index at end of book
Koven L. O. & Co., 154 Ogden av, Jersey City, N. J.
See adv index at end of book

14383—Store Front Construction

Brasco Mfg. Co. ("Brasco" Copper), 5029 S Wabash av, Chicago, Ill.
Braun J. G., 609 S Paulina, Chicago, Ill.
Coulson J. W. & Co., Columbus, O.
Detroit Show Case Co. ("Desco" Copper), 1654 W Fort, Detroit, Mich.
Hester Mfg. Co. (Copper), 5035 S Wabash av, Chicago, Ill.
Hires Turner Glass Co., 30th & Walnut, Phila., Pa.
International Steel & Iron Co., Inc., 1243 Edgar, Evansville, Ind.
Kawneer Co. ("Kawneer"), 1226 Front, Niles, Mich.
Kawneer Mfg. Co. of Cal., 8th & Dwight Way, Berkeley, Cal.
Mesker Geo. L. & Co. (Copper), Evansville, Ind.
Perfection Metal Bar Co. ("Perfection" Metal & Metal Covered Wood), 3321 Lorain av, Cleveland, O.
Standard Plate Glass Co. (Jobbers), 30 Sudbury, Boston, Mass.
Stearns A. T. Lumber Co. (Wood), 100 Taylor, Boston, Mass.
See adv index at end of book
Sullivan-Korber Co., 2437 W 21st pl, Chicago, Ill.
Thorne Hold Fast Metal Bar Co., Troy, N. Y.
Voltz Mfg. Co. ("Universal"), 914 Penn, St. Joseph, Mo.
Western Builders Supply Co. ("Acme" Metal), 135 2nd, San Francisco, Cal.
Zouri Drawn Metals Co., Chicago Heights, Ill.

14384— Store Fronts (Brass & Bronze)

Bayer & Rathgeb Co., Stenson & Santa Fe aves, Los Angeles, Cal.
California Artistic Metal & Wire Co., 349 7th, San Francisco, Cal.
California Fire Proof Door Co. ("Acme System"), 1931 S Los Angeles, Los Angeles, Cal.
Coulson J. W. & Co., Columbus, O.
CROWN IRON WORKS CO., 1229 Tyler, Minneapolis, Minn.
Flour City Ornamental Iron Co., 27th & 27th av, Minneapolis, Minn.
Gorham Co. Arch'l Bronze ("Gorham Standard"), 5th av & 36th, New York. Works: Providence, R. I.
Gorham Co., Architectural Bronze, 5th av & 36th, New York
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.

(Continued on following page)

Store Fronts (Brass & Bronze)—Continued

Herzog Iron Works, St. Paul, Minn.
Kawneer Mfg. Co. of Cal. 8th & Dwight Way, Berkeley, Cal.
Lasar Co., 1313 N 16th, St. Louis, Mo.
Polachek John Bronze & Iron Co., 476H Hancock, Long Island City, N. Y.
Roanoke Iron & Bridge Works Inc., Walnut av, Roanoke, Va.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Thorne Hold-Fast Metal Bar Co., Troy, N. Y.
TYLER W. S. CO., Cleveland, O.
See adv index at end of book
Verdeckberg Iron & Wire Works Co., 1109 California, Denver, Col.
Voltz Mfg. Co., 914 Penn, St. Joseph, Mo.
World Fireproof Door Corp., 448 Tiffany, New York

Store Fronts (Cast Iron)

See Firms in Iron, Archectural & Ornamental, marked with (*) Star

14385— Store Fronts (Galvanized Iron)

Berghofer Mitchell Co., Quincy, Ill.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
Gara McGinley Co., 218 N 13th, Phila., Pa.
Halback C. E. Co., 189-91-93 Banker, Brooklyn, N. Y.
International Steel & Iron Co., Evansville, Ind.
Mesker Geo. L. & Co., Evansville, Ind.
Messenger & Parks Mfg. Co., Aurora, Ill.
Milwaukee Corrugating Co., Milwaukee, Wis.
Porter Iron Roofing & Corrugating Co., 522 Culvert, Cincinnati, O.
Scott Roofing & Mfg. Co., 408 Culvert, Cincinnati, O.
Siddons John Co., Rochester, N. Y.
Souther E. E. Iron Co., Kienlin & Hamburger, St. Louis, Mo.
Sullivan-Korber Co., 2437 W 21st pl, Chicago, Ill.
Watson Jas. H. Co., Bradley, Ill.
World Fireprof Door Corp., 448 Tiffany, New York

14386—Store Fronts & Show Windows (Glass)

Crane Glass & Mfg. Co., 206 St. Clair av, Cleveland, O.
Detroit Show Case Co. ("Desco"), 1654 W Fort, Detroit, Mich.
Federal Steel Sash Co. ("Febrisco"), Waukesha, Wis.
Hires Turner Glass Co., 30th & Walnut, Phila., Pa.
Standard Plate Glass Co., 30 Sudbury, Boston, Mass.
Zouri Drawn Metals Co., Fine Arts bldg, Chicago Heights, Ill.

14387—Store Furniture & Fixtures

Adams & Kelly Co., Omaha, Neb.
Ammann Mfg. & Const. Co., 155 Av D, New York
Bangs C. H. Druggists' Fixture Co. (Drug Store), Reading, Mass.
Beardslee-Graham Showcase Co., Seattle, Wash.
Blitz Bros., Inc., 5935 Lowe av, Chicago, Ill.
Buffington I. T., Elizabethtown, Pa.
Capital City Furniture Co. (Bank, Store, Bar, Church, etc), 639 Jackson, St. Paul, Minn.
Central Metal Products Co. ("C. M. P."), Canton, Ohio
Chicago Store & Office Fixture Co., 820 S Clinton, Chicago, Ill.
Claus A. Mfg. Co., 5701 Walworth av, Cleveland, Ohio
Cleveland Store Fixture Co., 1305 E. 40th, Cleveland, Ohio.
Columbia Store Fixture Co., 1323 Assembly, Columbia, S. C.
Combination Door Co. (Store & Office Fixtures), Fond du Lac, Wis.
Curtis, Towle & Paine Co., Lincoln, Neb.
Curtis & Yale Co. (Wholesale Mfrs. of Bar, Hotel, Bank, Store & Office Fixtures), Wausau, Wis.
Dean C. P. Corp., Richmond, Va.
Delphis S. Sons (Butchers), 4th & Liberty, Pittsburgh, Pa.
Detroit Rack Co. (Store), 2536 14th, Detroit, Mich.
Detroit Store Fixture Co., 16 Catherine, Detroit, Mich.
Duluth Show Case Co. (Hardware Store Shelving Counters etc.), Duluth, Minn.
Ehrlich H. & Sons Mfg. Co. (Store & Restaurant & Post Office Fixtures), St. Joseph, Mo.
Fink & Schindler Co., 228H 13th, San Francisco, Cal.
Fischer Bros., 5 E 137th, New York
Fisher Co. (Drug Store), Charles City, Ia.
Friedland B. Co. (Store), 281 Butler, Brooklyn, N. Y.
Ganter F. X. Co. cor Sharp & Ostend, Baltimore, Md.
Grand Rapids Show Case Co. (Store), Grand Rapids, Mich.
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
Herdman Sash, Door & Lumber Co., Zanesville, O.
Huck Mfg. Co. (Drug, etc), Quincy, Ill.
Huss Bros. Fixture Co., 235 Main, Cincinnati, O.
Hyde-Murphy Co., Ridgeway, Pa.
Kleeman Wm. & Co., 101 Park av, New York
Kloak Bros. & Co., 12 E. 3rd, Cincinnati, O.
Koehler & Hinrichs, St. Paul, Minn.
Kurtz Bros., Bethlehem, Pa.
Loeper Anton & Sons, Ashland, Pa.
Lookout Planing Mills, Chattanooga, Tenn.
Presbrey Stove Lining Co., Taunton, Mass.
McPhee & McGinnity Co., Denver, Colo.
Maclean J. S., Spring & Water, Columbus, Ohio
Mansfield R. & Son, Louisville, Ky.
Nalle & Co., Austin, Tex.
National X-Ray Reflector Co., 235 W Jackson blvd., Chicago, Ill.
N. Y. Store Fixture Co., 5 E 137th, New York
Northey Mfg. Co., Waterloo, Ia.
Norwich Nickel & Brass Co., Norwich, Conn.
Passow & Sons (Store), 2101 S Allport, Chicago, Ill.
Phoenix Furniture Co., Eau Claire, Wis.
Quincy Show Case Works (Bank, Office, Drug Store, Jewelry, etc), Quincy, Ill.
Reeber's J. Sons Co., Canal pl & 138th, New York
Reed Evan L. Mfg. Co., Tipton, Danville, Ill.
Reinle-Salmon Co. (Drug Store), Warner & Ostend, Baltimore, Md.
Rieser Ely J. & Co. (Drug, Cigar, etc.), 1st av & 28th, New York
Russ Co., 5700 Walworth av, Cleveland, O.
Russell A. N. & Sons Co., Ilion, N. Y.
St. Louis Bank Equipment Co., 811 Walnut, St. Louis, Mo.
Schiefer & Sons, Eighth & J, San Diego, Cal.
Segale Mfg. Co., 68 E Spring, Columbus, Ohio
Segelke & Kohlhaus Mfg. Co., La Crosse, Wis.
Simmons Wood Working Co., Williamsport, Pa.
Sorensen O. J., La Crosse, Wis.
Southern Cal. Hardwood & Mfg. Co., 1430 S Alameda, Los Angeles, Cal.
Southwick-Pom-McFate Co., St. Jean & Shoemaker, Detroit, Mich.
Springfield Planing Mill, Lumber & Construction Co., Springfield, Mo.
Staudte & Reuckoldt Mfg. Co., 112 Soulard, St. Louis, Mo.
STEARNS A. T. LUMBER CO. (Store), 100 Taylor, Boston, Mass.
See adv index at end of book
Stevens Benj. A. Co. (Butchers' & Store Fixtures), Toledo, O.
Struck Construction Co., Garden, Louisville, Ky.
Sun Mfg. Co. (Store Only), Columbus, O.
Uphus A. J. & Co. ("Artkraft"), 2315 Western av, Seattle, Wash.
Viking Refrigerator & Mfg. Co. (Store), 21st & Harrison, Kansas City, Mo.
Waddell Co. (Store Only), Greenfield, O.
Walker Bin Co. (Grocery, etc), Penn Yan, N. Y.
Washburn Williams & Co., Scranton, Pa.
Weber Supply & Specialty Co. (Fruit & Vegetable Stands, Jobbers), 2250 S Union av, Chicago, Ill.
Western Fixture Show Case Co., 716 McAlister, San Francisco, Cal.
Western Show Case & Fixture Co., 931 E 31st, Los Angeles, Cal.
Williams C. H. Co. (Cold Storage Refrigerator Counters), 537 S Los Angeles, Los Angeles, Cal.
Winter Safe & Fixture Co. (Dirs), Mobile, Ala.
Whitcomb Cabinet Co., 14th & Chestnut, Kansas City, Mo.
Williams & Hunting Co., Cedar Rapids, Iowa

14388—Storm Doors & Windows

Adams & Kelly Co., Omaha, Neb.
Bardwell-Robinson Co., 24th av N & 2d, Minneapolis, Minn.
Carr & Baal Co., Des Moines, Ia.
Columbus Iron Works (Wholesale Mfrs), Columbus, Ga.
Combination Door Co. (Combination Door & Screen), Fond du Lac, Wis.
Continental Co., Book bldg, Detroit, Mich.
Curtis & Yale Co. (Wholesale Mfrs), Wausau, Wis.
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Gordon Vantine Co., Davenport, Ia.
Osgood & Blodgett Mfg. Co., Duluth av & E 7th, St. Paul, Minn.
Phenix Mfg. Co. ("Phenix"), Milwaukee, Wis.
Sanders Bros. Mfg. Co., Ottawa, Ill.
Smith Sash & Door Co. (Wholesale Mfrs.), 112 E Lake, Minneapolis, Minn.
Williams & Hunting Co., Cedar Rapids, Ia.

14389— Stove Boards

Belding-Hall Co., Belding, Mich.
Matthiessen & Hegeler Zinc Co. (Blanks), La Salle, Ill.
Merchant & Evans Co., Washington av & 21st, Philadelphia, Pa.
Metal Products Corp., 49 Chestnut, Weehawken, N. J.
Porter C. B. Co., 128 N 2d, Phila., Pa.
Wabash Screen Door Co., 111 W Washington, Chicago, Ill.

14390-1— Stove Linings

Aluminum Co. of Am. (Aluminum), Oliver bldg, Pittsburgh, Pa.
Ashland Fire Brick Co., Ashland, Ky.
Atlas Co., Lincoln, N. J.
Baltimore Terra Cotta Works, 1300 Covington, Baltimore, Md.
Bickford Fire Brick Co., Curwensville, Pa.
Brooklyn Fire Brick Works, 88 Van Dyke, Brooklyn, N. Y.
Colebrook's W. H. Sons ("Crown" Plastic Asbestos), Syracuse, N. Y.
Colonial Fireplace Co., 4619H Roosevelt rd, Chicago, Ill.
Columbia Fire Brick Co., Canton, O.
Dighton Stove Lining Co., Dighton, Mass.
Fox E. S. & Co., Reading, Pa.
Garfield Fire Clay Co., Robinson, Pa.
Glokner & Blue Co. ("Abestone"), 171-173 Lincoln, New York
Hall & Sons, 69 Tonawanda, Buffalo, N. Y.
Louisville Fire Brick Works, Louisville, Ky.
McLeod & Henry Co., 360 1st, Troy, N. Y.
Marcy Stove Repair Co., 74 Beekman, New York. Foundry: Perth Amboy, N. J.
Parlor Pride Mfg. Co. ("11th Hour"), North Andover, Mass.
Peekskill Fire Brick Works, Peekskill,
Portsmouth Refractories Co., The, Portsmouth, Ohio *See adv index at end of book*
Rogers & Co., Royersford, Pa.
Rutland Fire Clay Co. ("Rutland," "Champion" Plastic), Rutland, Vt.
Standard Stove Lining Co., Taunton, Mass.
Thomas Buckwalter & Co., Royersford, Pa.
Union Stove Lining Co., Taunton, Mass.
Vitreous Enameling Corporation (Vitreous Enameled), 6800 Grant av, Cleveland, Ohio *See adv index at end of book*
Williams Stove Lining Co. (Brick), Taunton, Mass.

14392— Stove Mfrs.

ALABAMA.

BIRMINGHAM—Avondale Stove & Fdry. Co.
Birmingham Stove & Range Co. ("Delights," "Areoles," "Crackerjacks")
FLORENCE—Martin Stove & Range Co.
GADSDEN—A. & J. Mfg. Co.
SHEFFIELD—King Stove & Range Co. ("King Bee," "Crown")

CALIFORNIA.

CULVER CITY—Western Stove Co. ("Westway")
OAKLAND—Hammer-Bray Co. ("Spark"), Dept. H, 26th av & E 12th
Westgate Metal Products Co. ("Westgate"), E 12th & 47th av
SAN FRANCISCO—Cribben & Sexton Co., 787 Brannan
Graham Jas. Mfg. Co., 695 Bryant
Ils John G. & Co., 839 Mission
Mission Foundry & Stove Works, 557 Treat av
San Francisco Stove Works, 260 Townsend
Steiger & Kerr Stove & Foundry Co. (Stoves, Ranges, etc), 2201 Folsom

COLORADO.

PUEBLO—Pueblo Brass & Iron Foundry ("Regent")

CONNECTICUT.

STAMFORD—Stamford Fdry. Co. (Parlor, Store, Factory & Laundry)
Stamford Gas Stove Co. (Stoves, Ranges & Furnaces, etc)

GEORGIA.

ATLANTA—Atlanta Stove Works
ROME—Bowie Stove Co.
Hanks Stove & Range Co.
Southern Co-Operative Foundry Co.

ILLINOIS.

AURORA—Rathbone, Sard & Co. (Stoves, Ranges, Stationary & Portable)
BELLEVILLE—Baker Stove Works
Belleville Stove & Range Co.
Eagle Foundry Co.
Orbon Stove & Range Co.
Perfect Stove & Mfg. Co.
Quality Stove & Range Co.
BENTON—Sanitary Stove Mfg. Co. (Gas & Coal Ranges, etc)
BLOOMINGTON—Co-Operative Stove Co.
CHICAGO—Clark Geo. M. & Co., 179 N Michigan av
Cole Mfg. Co. ("Cole's" Hot Blast Stoves & Ranges, "Radiant"), 3218 S Western av
Cribben & Sexton Co., 680 N Sacramento blvd
Crown Stove Works, 4631 W 13th
Detroit Stove Works (of Detroit, Mich.), 2921 S La Salle
Home Stove Works, 2622 W 18th
Peninsular Stove Co., 438 S Canal
FULTON—Mississippi Valley Stove Works
GRANT WORKS—Crown Stove Works.
JOLIET—Moore Bros. Co. ("Moore's" Stoves)
MORRISON—Summit Stove Works
NEW ATHENS—Auto Stove Works
PEORIA—Culter & Proctor Stove Co.
QUINCY—Channon-Emery Stove Co.
Comstock-Castle Stove Co. ("Economy"

Excelsior Stove & Mfg. Co. (Stoves, Ranges, etc, "National")
Gem City Stove Mfg. Co. (Ranges, Heaters & Furnaces)
Lahan Stove & Mfg. Co.
Quincy Fdry. & Novelty Co.
Quincy Stove Mfg. Co.
Sheridan Stove Co.
Travilla M.
White Thos. Stove Co.

ROCKFORD—Roper Geo. D. Corp. (Domestic Science Rooms), 707 S Main

ROCK ISLAND—Rock Island Stove Co. ("Riverside")

ST. CHARLES—Faultless Iron Works (Malleable Iron)

INDIANA.

EVANSVILLE—Advance Stove Works
Crescent Stove Wks. (Stoves, Ranges, etc)
Evansville Stove Works (Stoves & Hollow Ware)
Indiana Stove Works
Southern Stove Works (Stoves & Ranges)

HUNTINGTON—Majestic Co.

INDIANAPOLIS—Home Stove Co., 501 Kentucky av
Indianapolis Stove Co., Roosevelt & Columbia
Utility Stove & Range Co. ("Searchlight")

KOKOMO—Globe Stove & Range Co. (Steel Ranges)

MARION—Allmur Mfg. Co. (Table Elec.)
Hoosier Stove Co.
Marion Stove Co.

NEW ALBANY—Anchor Stove & Range Co. (Anchor)
Gohmann Bros. & Kahler Co.

SOUTH BEND—Malleable Steel Range Mfg. Co.

IOWA.

CEDAR RAPIDS — Leonard Hi-Oven Range Co.

KEOKUK—American Stove & Range Co.

OTTUMWA—McCarroll Bros. Co.

KANSAS.

LEAVENWORTH—Great Western Stove Co.

KENTUCKY.

AUGUSTA—Augusta Stove Foundry

CANE VALLEY—Dudgeon Co.

COVINGTON—Insurance Foundry Co.
Star Foundry Co.

LOUISVILLE—Bridgeford & Co.
O. K. Stove & Range Co. (Stoves, Ranges, etc)

MAINE.

BANGOR—Noyes & Nutter Mfg. Co.
Wood & Bishop Co.

PORTLAND—Portland Stove Fdry. Co. (Stoves, Ranges, etc)

WATERVILLE—Noyes Stove Co.

MARYLAND.

BALTIMORE—Bibb B. C. Stove Co. ("Grand Emerald," "Stonewall," "New Emerald," "Virginia," "Lancaster," "Southern Girl," "Derby," "Maxim," "Cook," "Carrollton," "Coral," "Triumph," "Belair" Double "Cadet," "Pearl," "New Regal," "Magnum," "Red Hot," "Chum" Heating), 109 Light
Calvert Stove & Heating Co. (Jobbers), 513 S Chester
Hutchinson Bros., 5 S Howard
Sexton S. B. Stove & Mfg. Co., 500 W Conway
Sheppard Isaac A. & Co. ("Paragon" "Excelsior" Furnaces Stoves & Ranges), 500 S Chester
Weiskittel A. & Son Co. ("Fire King," "Golden Rule" & "Patapsco"), 12th & E Lombard

PERRYVILLE—Armstrong Stove & Mfg. Co.

MASSACHUSETTS.

BOSTON—Howes S. M. Co. ("Howes" Ranges), 42 Union
Magee Furnace Co., 31 Union
Smith & Anthony Co. ("Hub"), 53 Union
Walker & Pratt Mfg. Co. (Furnaces, Ranges & Stoves), 31 Union

CHELSEA—Dighton Furnace Co., 160 Congress

MANSFIELD — Chilson Furnace Co. ("Chilson," "Boston," "Arlington")

NORTH DIGHTON—North Dighton Stove Co. ("Oakland" "Stratford" "Highland")

OTTER RIVER—Lord, Stone & Co.

PLYMOUTH—Plymouth Fdry. Co.

TAUNTON—Dighton Foundry Co. ("Winthrop" & "Dighton" Stoves, Ranges, etc)
Leonard & Baker Stove Co.
Thomas Oscar G.
Weir Stove Co. ("Glenwood")
White Warner Co. ("Quaker")

WATERTOWN—Walker & Pratt Mfg. Co.

MICHIGAN.

BATTLE CREEK—A. B. Stove Co.

DETROIT—Art Stove Co. ("Laurel" Cast Iron), Russell & Milwaukee
Detroit Stove Works ("Detroit Jewel" Cooking & Heating for Gas, Wood & Coal), 6900 East Jefferson av
Detroit Vapor Stove Co. ("Red Star" Oil Stoves), 12345 Kercheval
Michigan Stove Co. ("Garland" Stoves, Ranges & Furnaces), Adair & Jefferson E
Peninsular Stove Co., 8th & Fort

DOWAGIAC—Beckwith P. D. (Inc.), ("Round Oak" Heating Stoves & Furnaces)

KALAMAZOO—Kalmazoo Stove Co.

LAPEER—Bostick Stove Co. ("Banner")

OWOSSO—Independent Stove Co. ("Renown")

MINNESOTA.

MINNEAPOLIS—Smith System Heating Co. (For Schools), 212 S E Ontario

ST. PAUL—Joesting & Schilling Co., 379 Sibley
Wolterstorff Range Co., 66 E 3rd

SHAKOPEE—Minnesota Stove Co.

STILLWATER—Daily I. W.

MISSOURI.

HANNIBAL—Duffy-Trowbridge Stove Mfg Co.

INDEPENDENCE—Independence Stove & Furnace Co.

KANSAS CITY—Security Stove & Mfg. Co. ("Security") 17th & Oakland av

ST. LOUIS—American Stove Co., 827 Chouteau
Bokern F. T., 217 Market
Bridge & Beach Mfg. Co., Union & Brown
Buck's Stove & Range Co., 3500 N 2d
Charter Oak Stove & Range Co., Antelope & Conduit
Copper Clad Malleable Range Co., Wainwright bldg
Green's Car Wheel Mfg. Co. ("Cannon" Cast Iron Heating), 3000 N B'way
Heinz C. Stove Co., 100 N 2d
Hemp & Co., Vanderventer, nr Shaw
Majestic Mfg. Co., 2134 Morgan
Quick Meal Stove Co. (Div. Amer. Stove Co.), 2001 S Kingshighway
Ringen Stove Co., Div. of American Stove Co., 827 Chouteau av
Willard W. G., 316 Chestnut
Winchester-Simmons Co. (Stoves & Ranges), 9th & Spruce
Wrought Iron Range Co., 5661 Natural Bridge av

SPRINGFIELD—Woods-Evertz Stove Co.

VALLEY PARK—Wilson Stove & Mfg. Co.

NEBRASKA.

RALSTON—Howard Stove Co.

NEW HAMPSHIRE.

CONCORD—Ford Foundry Co.

SALMON FALLS—Somersworth Fdry. Co.

NEW JERSEY.

DOVER—Richardson & Boynton Co.

ELIZABETH—Heating Supply & Repair Co. ("Uprite" Oval Range)

JERSEY CITY—Colby E. B. & Co. ("Colbe" Combination Range, for Coal, Wood & Gas), Hoboken av

NEWARK—Thatcher Furnace Co. (Stoves & Ranges, Portable & Stationery), 36 St. Francis

SOMERVILLE—Somerville Stove Works

TRENTON—Mott J. L. Iron Works (Coal & Gas)

NEW YORK.

ALBANY—Brohm & Molitor
Gold Coin Stove & Fdry. Co.
Rathbone, Sard & Co. ("Acorn" Stoves, etc.)

BUFFALO—Buffalo Co-Operative Stove Co. ("Amherst"), Amherst & Tonawanda
Jewett & Co. ("Jewett"), Military rd

CORNING—Corning Mfg. Co.

FRIENDSHIP—Drake Hdw. Co.

GENEVA—Phillips & Clark Stove Co. ("Andes")
Summit Foundry Co.

MANLIUS—Cheney S. & Son

NEW YORK—Alcazar Range & Heater (Combination, Oil, Coal & Wood), 405 Lexington av
Graff Furnace Co. ("Faultless"), 116 Wooster
New York French Range Co., 133 Chambers
Southard-Robertson Co., 259 Water
Thatcher Furnace Co. (Stoves & Ranges, Portable & Stationary), 135 W 35th
Union Stove Works ("Avon," "Bronx") 70 Beekman

PEEKSKILL—Mohegan Stove Co.
Southard-Robertson Co.
Union Stove Works (Furnaces, Ranges, Heaters, etc)

PORT CHESTER—Abendroth Bros. ("Monica," "Truly"), Main, Port Chester, N. Y.

PORT JERVIS—Swinton & Co.

ROCHESTER—Co-Operative Foundry Co. ("Red Cross")
Galusha Stove Co. ("Norman")
Kennedy & Co.
Sill Stove Works "Sterling" Coal & Gas Combination Ranges & Furnaces), 534H Oak

SYRACUSE—Landers W. H. Co. ("Hustler"), 104 E Willow

TROY—Burdett, Smith & Co. ("Aladdin")
Fuller & Warren Co. ("Stewart")

UTICA—Giblin & Co.

NORTH CAROLINA.

GREENSBORO—Glascock Stove & Mfg. Co. (Cooking & Heating Stoves)

OHIO.

AKRON—Tapian-Rice-Clerkin Co. ("Climax" Stoves & Ranges)

ATHENS—Athens Stove Co.

BELLAIRE—Bellaire Stove Co. ("Star")

BELLEVUE—Conway Stove Co.

CINCINNATI—Bardes E. H. Range & Fdry. Co., 2619 Colerint
Fischer Wm. G. Stove & Range Co., 326 McFarland
Huenefeld Co. (Also Ranges, "Boss," "Uneeda," "Success" & "Selma")
Klaine F. A. & Co., Front & Central
Miller William Range & Furnace Co. ("Miller"), 7th & B'way
Monitor Stove Co. ("Monitor" Radiator Heating Stoves), C. H. & D. Ry., nr. Gest

CLEVELAND — Champion Stove Co. ("Champion" Interchangeable Gas, Coal & Wood), 4901 W 25th
Cleveland Co.-Operative Stove Co. ("Grand"), 2323 E 67th
Dangler Stove Co. (Div. Amer. Stove Co.), 5017 Perkins av
Ohio Foundry Co., Div. of Am. Stove Co. ("Reliable"), E 71st & Stanton
Reliable Stove Co., 1787 E 40th
Republic Stove & Mfg. Co., 1802 E 40th
Superior Foundry Co. (Laundry), E 71st & W. & L. E. Ry.
Tinnerman Stove & Range Co., 2038 Fulton rd

COLUMBUS—Hertenstein M. Co., 1409 S High
Ohio State Stove Co.
Quad Stove Mfg. Co.

CRESTLINE—Schill Bros. Co.

DAYTON—Gem Stove Co.
Kramer Bros. Fdry. Co.

DELAWARE—Sun Ray Stove Co.

ELYRIA—Fox Furnace Co. (Furnaces, Ranges & Stoves "Forest City," "Cannon," "Star Oak," "Royal," "Princess," "Radiant")

FREMONT—Fremont Stove Co.
Lincoln Stove Co.

GALLIPOLIS—Thompson Francis Stove Co.
Treasure Stove Co.

HAMILTON—Estate Stove Co. ("Estate" Electric-Coal Combination, Wood & Gas Stoves, Ranges & Furnaces)

HILLSBORO—Bell C. S. Co. (Heavy Heating & Cabeese Mogul)

IRONTON—Foster Stove Co.

LORAIN—National Stove Co.

MANSFIELD—Eclipse Stove Co. ("Frost Killer" "Sterling Eclipse")

MARTINS FERRY—Spence-Baggs Stove Co.

MASSILLON—Hess-Snyder Co. (Heating & Cooking, Boomer)

NEWARK—Wehrle Co. (Stoves & Ranges)

NEW PHILADELPHIA—Sharp Mfg. & Supply Co. ("Excelsior")

PIQUA—Piqua Favorite Stove & Range Co. ("Favorite")

PORTSMOUTH—Ohio Stove Co.
Portsmouth Stove & Range Co. ("Model," "Equity")

SALEM—Victor Stove Co. ("Victor" Coal & Gas)

TOLEDO—Toledo Stove & Range Co. "Gem" Stoves & Ranges

ZANESVILLE—Jones Chas. H.
Weidig Foundry Co.

OKLAHOMA.

SAND SPRINGS—Tulsa Stove & Fdry. Co.

TULSA—Queen Bee Stove Co.

OREGON

PORTLAND — Montag Stove Works ("Colonial"), 101 Columbia blvd, Kenton Station
Northwest Stove Works, 260 E 6th

PENNSYLVANIA.

BEAVER FALLS—Howard Stove Co.

BOYERTOWN—Union Mfg. Co.

COLUMBIA—Keeley Stove Co. ("Columbian")

DANVILLE—Danville Stove & Mfg. Co. ("Beaver")

ERIE—Eriez Stove & Mfg. Co.
Odin Stove Mfg. Co.

GIRARD—Lake Erie Foundry Co. ("Ruby")

JOHNSTOWN—Century Stove & Mfg. Co. (Gas)

LEHIGHTON—Crescent Stove & Mfg. Co.
Lehigh Stove Mfg. Co.

MIDDLETOWN—Wincroft Stove Works (Gas & Coal & "Wincroft" Ranges)

PHILADELPHIA—Caskey & Keen (Harmony Stove Wks.), 6th & Berks
Columbia Record Stove Co., 434 S 2nd
Kappler-Fox Fdry Co., York & Thompson.
Liberty Stove Co., 803 Chestnut
Phila. Stove & Iron Foundry Co. (Furnaces, Stoves & Ranges), 1631 N 5th

(Continued on following page)

Stove Mfrs.—Continued

PENNSYLVANIA—Philadelphia—Continued
Roberts & Mander Stove Co., Washington av & 11th
Sabin Frederick & Co., 237 N Bread
Taylor F. W. & Son (Sheet Metal Ranges), 259 S 4th
PITTSBURGH—Stove & Range Co. of Pittsburgh (Stoves & Ranges), Preble av, nr Superior bridge
PITTSTON—Pittston Stove Co. ("Pittston," "Happy Thought," "Favorite," "New Enterprise," "Thrift," "Pocono," "Standard," "Magnet," "Cotton Wood," "Oakwood," "Redwood"), Dept. H
POTTSTOWN — March-Brownback Stove Co. ("Globe" Ranges, etc)
Printz & Sevison
POTTSVILLE—Pottsville Fdry. & Stove Co.
QUAKERTOWN—Quakertown Stove Works
READING—Mt. Penn Stove Works
Prizer-Painter Stove Co. ("Prizer" Stoves, Ranges & Furnaces)
Reading Stove Works ("Sunshine" (Stoves, Ranges & Heaters)
ROCHESTER—Olive Stove Works
ROYERSFORD—Buckwalter Stove Co. (Ranges, "Canopy," "Apollo," etc)
Floyd-Wells Co.
Grander Stove Co. (Stoves, Portable & Brick Set Ranges, Heaters, etc)
SCRANTON—Scranton Stove Works ("Dockdash")
SINKING SPRING—Manufacturers Fdry. Co.
SPRING CITY—Keystone Stove Foundry (Ranges, Heaters, etc)
Penn Stove & Range Co.

RHODE ISLAND.

PROVIDENCE—Barstow Stove Co., 116 Point

TENNESSEE.

CHATTANOOGA—Mascot Stove Mfg. Co., 25th & Court
Mountain City Stove & Mfg. Co. ("Southern Queen")
Price-Evans Fdry. Co. ("Coal King"), Anderson av
Tennessee Stove Wks., Main & Belt Ry.
Vesta Gas Range & Mfg. Co. ("Vesta"), 110 Catherine
CLEVELAND — Hardwick Stove Co (Sunny South")
KNOXVILLE—Fair Foundry Co.
Knox Stove Works, Elliot av
LEWISBURG—Lewisburg Stove Co.
MEMPHIS—Wetter H. Mfg. Co. (Stoves, Ranges, etc.), 107 Court av. Works: S Pittsburgh, Tenn.
NASHVILLE—Allen Mfg. Co. ("Washington Stove & Ranges), 300 10th av N
Gray & Dudley Hardware Co. ("Washington," "Black Imp," "Our Clipper," "Hermitage" Steel & Gray Iron Stoves & Ranges)
Phillips & Buttorff Mfg. Co.
SOUTH PITTSBURGH—Lodge Mfg. Co.
Wetter H. Mfg. Co.

VIRGINIA.

CHARLOTTESVILLE—Albemarle Stove Co.
RICHMOND—Cameron Stove Co.
Richmond Stove Co., Dept. H, 2506 E Main
Southern Stove Works ("Tip Top")
WAYNESBORO—Loth W. J. Stove Co.

WASHINGTON.

EVERETT—Washington Stove Works
SEATTLE—Lang F. S. Mfg. Co.
Pacific Stove & Stamping Co. (Sibby), Idaho & Duwanish av

WEST VIRGINIA.

HUNTINGTON—Huntington Stove & Fdry Co.
West Va. Foundry & Stove Co.
WHEELING—Wheeling Corrugating Co.

WISCONSIN.

BEAVER DAM—Malleable Iron Range Co. ("Monarch")
GRAFTON—Jungers Stove & Range Co.
MILWAUKEE — Fuller-Warren Co. (Ranges, Stoves, etc.) 32nd & Wright
Lindemann A. J. & Hoverson Co. (Stoves, Ranges, etc)
NEENAH—Bergstrom Stove Co.

14392a—*Stove Pattern Mfrs.

CLEVELAND CASTINGS PATTERN CO., 1930 E 61st, Cleveland, Ohio

14393—Stove Pipe & Elbow Mfrs.

Bibb B. C. Stove Co., (Stove Pipe), 109H Light, Baltimore, Md.
Budke Stamping Co., Canonsburg, Pa.
Cleveland Elbow Mfg. Co., 1615 Merwin, N. W., Cleveland, O.
Crunden, Martin Mfg. Co. ("Economy," "Pioneer," "Monarch," "Sampson" Iron), 2d & Gratiot, St. Louis, Mo.
Decatur Cornice & Roofing Co., New Decatur, Ala.
Dieckmann Ferdinand Co., 1182 Harrison av, Cincinnati, O.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Eastern Clay Goods Co., 141 Milk, Boston, Mass.
Empire Metal Tank Works, E. Rochester, N. Y.
Empire Tin Ware Co., 29 S 5th, B'klyn, N. Y.
Excelsior Steel Co., 118 S Clinton, Chicago, Ill.
Excelsior Stove & Mfg. Co., Cambridge, Mass.
Follansbee Bros. Co. ("Security"), Pittsburgh, Pa.
Louis, Mo.
Geisel A. Mfg. Co. ("Economy," "Rival," "Noxall" Stove Pipe), 219 S 2nd, St.
Hemp & Co. ("Yale," "Duplex," "Can't Slip," "Peerless," "Battle Ax," "Galvano"), Vandeventer, nr Shaw, St. Louis, Mo.
Hill Jas. Mfg. Co., 52 Westfield, Providence, R. I.
Howes S. M. Co., 42 Union, Boston, Mass.
International Heater Co., 21H Park av, Utica, N. Y.
Jackes-Evans Mfg. Co. ("Easylock," "Perfection," "Champion Lock," "Crescent"), Main & Tyler, St. Louis, Mo.
Kinne Mfg. Co., 1401 Central av, Minneapolis, Minn.
Lamneck W. E. Co., 416 Dublin av, Columbus, Ohio
Letts E. M. (Machinists "O-H" One Piece) Waverly, N. Y.
Lyon Conklin & Co., Inc. ("Lyon," "Tiger"), Race & McComas, Baltimore, Md.
Merchant & Evans Co., Washington av & 21st, Philadelphia, Pa.
Mertz John Mfg. Co., Sandusky, O.
Meuer Geo. C. Co., 22 Clay, Brooklyn, N. Y.
Mountain City Stove & Mfg. Co., Chattanooga, Tenn.
National Enameling & Stamping Co., 411 5th av, New York
Newark Steel & Iron Works, 12 Mercer, Newark, N. J.
Niles Iron & Steel Roofing Co., Niles, O.
Ohio Corrugating Co., Warren, O.
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Pacific Stove & Stamping Co., Idaho & Duwanish av, Seattle, Wash.
Parkersburg Iron & Steel Co., Parkersburg, W. Va.
Reeves Mfg. Co., Dover, O.
Republic Metalware Co., 100 Alabama, Buffalo, N. Y.
Richmond Stove Co., Dept. H, 2506 E Main, Richmond, Va.
Sheet Metal Mfg. Co. (The), Box 508, Youngstown, O.
Sheet Metal Specialty Co. (Nested), Follansbee, W. Va.
Stratton & Terstegge Co. (Pipe), 15th & Main, Louisville, Ky.
Wehrle Co., Newark, O.
Wheeling Corrugating Co. ("Wheeling"), Wheeling, W. Va.

14394— Stove Polish

A. B. Polish Co. ("A. B. Brilliant King"), 1515 Haddon av, Chicago, Ill.
Bettes A. O. Mfg. Co. ("Ideal"), 1008 Union, Kansas City, Mo.
Black Silk Stove Polish Works ("Black Silk"), Sterling, Ill.
Cambria Paint & Color Co. (Ltd.), ("Sherman's" Liquid), Dept. H, Johnstown, Pa.
Chase, Roberts & Co. ("Nev.-A.-Burn"), West av, Long Island City, N. Y.
Colebrook's W. H. Sons (Black Flag), Syracuse, N. Y.
Connors Wm. Paint Mfg. Co. ("American Seal"), Troy, N. Y.
Crow Stove Polish Co. (Crown), 2520 Galena, Milwaukee, Wis.
Dixon Joseph Crucible Co. ("Dixon's," "Carburet of Iron"), Jersey City, N. J.
Graphite Products Co., 503 Market, San Francisco, Cal.
International Metal Polish Co., ("Blue Ribbon") Quill & Belt Ry., Indianapolis, Ind.
Kimball C. M. Co. ("Kimball's Red Cap"), Winthrop, Mass.
Lacko Specialty Co. ("Lacko"), 1413H Folsom, San Francisco, Cal.
Martin & Martin ("E-Z"), 3005 Carroll av, Chicago, Ill.
Michigan Stove Co. ("Garland," Paste, etc), Adair & Jefferson, Detroit, Mich.
Parlor Pride Mfg. Co ("Parlor Pride"), N. Andover, Mass.
Prescott J. L. Co. ("Enamelline"), 92 W B'way, New York
Rutland Fire Clay Co. (("Rutland"), Rutland, Vt.
Satin Gloss Polish Co., 426 Fore, Portland, Me.
Stinson B. F. & Co. ("Easy Bright"), 424 Niagara, Buffalo, N. Y.
Superior Laboratories ("Stoveoil"), Grand Rapids, Mich.
Surprise-Stove-Polish Co., 503 Market, San Francisco, Cal.
Utility Co. ("Uko"), 636 W 44th, New York
United States Graphite Co., Saginaw, Mich.
Williams Stove Lining Co. (Liquid & Paste, "Eagle Paste") Taunton, Mass.
Wolf John M. Co. ("Black Flag"), 742 Flushing av, Brooklyn, N. Y.

14395— Stove Trimmings

Adams Co., Dubuque, Ia.
American Tube & Stamping Co. (Nickel-Plated Steel Stove Edge), 471 Hancock, Bridgeport, Conn.
"Perfect" Steel, "Balzan" Steel), Freeport, Ill.
Beehler Steel Products Co., 1449 N 13th, St. Louis, Mo.
See adv index at end of book
Co-operative Foundry Co. (Enameled Stove Parts), Rochester, N. Y.
Corbin Screw Corp. ("Kuhn's" Door Pins), New Britain Conn.
Enamel Products Co. (Enameled Stove Parts), Eddy rd & Taft av, Cleveland, Ohio
Erie Metal Products Co., Erie, Pa.
Fanner Mfg. Co. ("Fanner" Spun Steel), Brookside Park, Cleveland, O.
Feld Geo. A. Co., 162 E 129th, New York
Grammes L. F. & Sons (Knobs), 311 Union, Allentown, Pa.
See adv index at end of book
Ireland & Matthews Mfg. Co., Chatfield & Beard, Detroit, Mich.
Lovejoy C. H. Chaplet Co., Cambridge, N. Y.
Lynd L. E. Mfg. Co. ("Zero"), Mechanicsville, N. Y.
Malleable Iron Range Co. (Shelves & Closets for Hotel Ranges), Beaver Dam, Wis.
Matthews H. A. Mfg. Co., Seymour, Conn.
N. Y. Nickel Plating & Mfg. Co., 327 E 63d, New York
Ohio Nut & Bolt Co. (Door Pins), Berea, O.
Stevenson Mfg. Co. (Wooden Door Knobs), South Bend, Ind.
See adv index at end of book
Stover Mfg. & Engine Co. ("Ideal" Nickel Plated, Wire, etc., Handles, Knobs, Hinge Pins, etc.), Freeport Ill.
Vitreous Enameling Corporation (Enameled Stove Parts), 6800 Grant av, Cleveland, Ohio
See adv index at end of book
Wehrle Co., Newark, O.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Worcester Pressed Steel Co., Worcester, Mass. *See adv index at end of book*
Zeigler Mfg. Co., Alexandria, Ind.

14396— Stoves (Acetylene)

Acetylene Stove Mfg. Co., 1265 W 2nd, Cleveland, O.
PREST-O-LITE CO., INC., THE (Pocket Stoves for Camping Outfits), 30 E 42nd st, New York
See adv index at end of book
Western Steel Products Co., Duluth, Minn.

14397— Stoves (Air Tight)

Duluth Corrugating & Roofing Co., Duluth, Minn.
Holly & Mason Hardware Co. ("Queen"), 157 S Howard, Spokane, Wash.
Keeley Stove Co., ("Columbian"), Columbia, Pa.
Kinne Mfg. Co., 1401 Central av, Minneapolis, Minn.
Marshall Blow Pipe Co. (Light Fabrication), 7431 Dubois, Detroit, Mich.
Pacific Stove & Stamping Co., Idaho & Duwanish av, Seattle, Wash.
Purdin Metalware Co. ("Purco" Folding), 88 N 2d, Portland, Ore.
Richmond Stove Co., Dept. H, 2506 E Main, Richmond, Va.
Southern Stove Works ("Tip Top"), Richmond, Va.

14398— Stoves (Alcohol)

Buffalo Mfg. Co. (Burning Denatured Alcohol), 1354 West av, Buffalo, N. Y.
Dangler Stove Co., 5017 Perkins av, ("Dangler"), Cleveland, O.
Durkee Chas. D. & Co., 2 South, New York
Houchin Thos. W. Co. ("Acme," "Sunburst," "Torrid," "Ideal"), 393 Broadway, New York
Lynd L. E. Mfg. Co., Mechanicsville, N. Y.
Manning-Bowman & Co., Meriden, Conn.
Quincy Foundry & Novelty Co. ("Noxall" Denatured), Quincy, Ill.
Silver & Co. ("Silver"), 304 Hewes, Brooklyn, N. Y.
Sweeney W. H. Mfg. Co. ("Meteor"), 30 Main, Brooklyn, N. Y.
Theroz Co. ("Theroz"), 233 B'way, New York

14399—Stoves (Alcohol Vapor)

Landers, Frary & Clark ("Universal"), New Britain, Conn.
Manning-Bowman & Co., Meriden, Conn.
Sternau S. & Co., 9 E 37th, New York

14400—Stoves (Bakers' Gas)

Combustion Utilities Corp., 3-10 Bridge, New York
Hoerlein F. G. ("Hoerlein"), 200 Nostrand av, Brooklyn, N. Y.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Watkins Jas. Y. & Son, 20 Catherine, New York

14401— Stoves (Brass Founders' Drying)

Barnett Oscar Foundry Co. (Round & Square), Irvington, N. J.

14402— Stoves (Brooder)

American Brooder Stove Co., North Sacramento, Cal.
Simplex Brooder Stove Co., Grand Rapids, Mich.
Weiskittel A. & Son Co. ("Gem"), 12th & Lombard, Baltimore, Md.

14403— Stoves (Caboose)

Bell C. S. Co. (Also Heavy Heating), Hillsboro, O.
Buda Co. ("Volcano," "Lewis"), Harvey, Ill.
Fuller-Warren Co., ("Stewart"), 32nd & Wright, Milwaukee, Wis.
Gray & Dudley Hardware Co. ("Nebo"), Nashville, Tenn.
Indiana Foundry Co., Dept. H, Indiana, Pa.
Jewett & Co., Military rd, Buffalo, N. Y.
Richmond Stove Co., Dept. H, 2506 E Main, Richmond, Va.
Ross-Meehan Foundries, Carter, Chattanooga, Tenn.
ST. PAUL FOUNDRY CO., Como av & Mackubin, St. Paul, Minn.
See adv index at end of book
Sexton S. B. Stove & Mfg. Co., 500 W Conway, Baltimore, Md.
Southern Stove Works ("Tip Top"), Richmond, Va.
Stove & Range Co. of Pittsburgh, Preble av nr Superior Bridge, Pittsburgh, Pa.
United Iron Works, Inc., Kansas City, Mo.
Weiskittel A. & Son Co. ("Atlantic," also Ship & Oyster House), 12th & Lombard, Baltimore, Md.

14404— Stoves (Camp)

AMERICAN GAS MACHINE CO., INC. ("Kampkook"), 78 Reade, New York
Bosford G. R. Co., 180 New Montgomery, San Francisco, Cal.
California Metal Products Co. ("Campers" gasoline), 333 1st, San Francisco, Cal.
Combination Folding Camp Stove Co., Inc. ("Overland"), 634 S Mateo, Los Angeles, Cal.
Cree D. W., Griggsville, Ill.
Crider E. I. & Son, Silex, Me.
Excelsior Stove & Mfg. Co. ("National"), Quincy, Ill.
Indiana Foundry Co., Dept. H, Indiana, Pa.
Madewell Pipe & Culvert Works ("Madewell"), N 12th & 25th av, Oakland, Cal.
Mazura Mfg. Co., 412 S 6th, St. Louis, Mo.
Pacific Stove & Stamping Co. (& Tent), Idaho & Duwanish av, Seattle, Wash.
Purdin Metalware Co. (Purco" Folding), 88 N 2d, Portland, Ore.
Quad Stove Mfg. Co. ("Quad"), Columbus, Ohio
Richmond Stove Co., Dept. H, 2506 E Main, Richmond, Va.
Rippley Mfg. & Steel Boat Co., Grafton, Ill.
Rochester Can Co., 89 Hague, Rochester, N. Y.
Southern Stove Works ("Tip Top"), Richmond, Va.
Theroz Co. ("Theroz" Alcohol), 233 B'way, New York
United Steel & Wire Co., Battle Creek, Mich.
Wehrle Co., Newark, O.
Western Steel Products Co., New Duluth, Minn.

14405-6— Stoves (Car)

Buda Co. ("Volcano," "Lewis," "Giant," Caboose & Station), Railway Exchange bldg, Chicago, Ill.
Jewett & Co., Buffalo, N. Y.
Michigan Stove Co., Adair & Jefferson, Detroit, Mich.
Peninsular Stove Co., Detroit, Mich.
Richmond Stove Co., Dept. H, 2506 E Main, Richmond, Va.

14407—Stoves (Combination Coal & Gas)

Abendroth Bros. ("Buena," "Edna," "New Puck," "Winner," "Prenda," "La Familia," "Lynwood," "York," "New York," "Twilight," "Alice," "Flash"), Main, Port Chester, N. Y.
Co-Operative Foundry Co., Rochester, N. Y.
Favorite Stove & Range Co. ("Favorite"), Piqua, Ohio
Floyd-Wells Co. ("Bengal"), Royersford, Pa.
Fuller-Warren Co., 32d & Wright, Milwaukee, Wis.
Graham Jas. Mfg. Co., 695 Bryant, San Francisco, Cal.
Hammer-Bray Co. ("Spark" & "Artcraft"), 26th av & E 12th, Oakland, Cal.
Jewett & Co., Military rd, Buffalo, N. Y.
Keeley Stove Co. ("Columbian"), Columbia, Pa.
Malleable Iron Range Co. ("Monarch" Hotel), Beaver Dam, Wis.
Northwest Stove Works, 260 E 6th, Portland, Ore.
Peerless Mfg. Co., 15th & Ormsby, Louisville, Ky.
Prizer Painter Stove Co. ("Prizer"), Reading, Pa.
Reading Stove Works (Orr, Painter & Co.) ("Sunshine") Reading, Pa.
Sheppard Isaac A. & Co., 500H S Chester, Baltimore, Md.
Sill Stove Works ("Sterling"), 524H Oak, Rochester, N. Y.

14408—Stoves (Confectioners')

Combustion Utilities Corp., 8-10 Bridge, New York
Indiana Foundry Co., Dept. H., Indiana Pa.
Mount Penn Stove Works, Reading, Pa.
Peninsular Stove Co., Detroit, Mich.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Watkins Jas. Y. & Son, 20 Catherine, New York

14409— Stoves (Electric)

See also Ranges, Electric

Acme Electric & Mfg. Co. ("Acme"), 1440 Hamilton av, Cleveland, O.
Allmur Mfg. Co., Marion, Ind.
Caloric Co., Janesville, Wis.
Cook Electric Heating Co. ("Cook"), 715 Frankfort av, Cleveland, O.
Edison Electric Appliance Co., Inc. (Hotpoint Div.), 5600 W Taylor, Chicago, Ill.
Landers, Frary & Clark, New Britain, Conn
Liberty Gauge & Instrument Co. ("Liberty"), 6545 Carnegie av, Cleveland, O.
Majestic Elec. Appliance Co. ("Majestic"), 590 Folsom, San Francisco, Cal.
Manhattan Electrical Supply Co., 17 Park pl, New York
Redtop Electric Co. ("Redtop"), 8 W 19th, New York
Roper Geo. D. Corp., 707 S Main, Rockford, Ill.
Russell Elect. Co. ("Hold-Heet" Grill), 340 W Huron, Chicago, Ill.
Rutenber Electric Co., Marion, Ind.
Shaler C. A. Co. ("Shaler" Electric), Waupun, Wis.
Standard Stamping Co. ("Armstrong" Table), Huntington, W. Va.
Westgate Metal Products Co. ("Westgate"), E 12th & 47th av, Oakland, Cal.

14410—Stoves (Electric Disc)

Rochester Stamping Co., Rochester, N. Y.
Shaler C. A. Co., Waupun, Wis.

14410a—*Stoves (Enameled)

Co-Operative Foundry Co., Rochester, N. Y.
Weiskittel A. & Son Co., 12th & Lombard, Baltimore, Md.

14411— Stoves (Franklin)

Colonial Fireplace Co., 4631 W 12th, Chicago, Ill.
JACKSON EDWIN A. & BRO. (INC.), 50 Beekman, New York
See adv index at end of book
Richmond Stove Co., Dept. H, 2506 E Main, Richmond, Va.

14412— Stoves (Galley)

Stamford Foundry Co. ("Shipmate"), Stamford, Conn.
Weiskittel A. & Son Co., 12th & Lombard, Baltimore, Md.

14413— Stoves (Gasoline)

A. B. Stove Co., Battle Creek, Mich.
AMERICAN GAS MACHINE CO., INC., 78 Reade st, New York
See adv index at end of book
American Stove Co. ("Quick Meal," "Jewell," "Reliable," "Dangler," "New Process," "National"), 827 Chouteau av, St. Louis, Mo.
Clark Geo. M. & Co. ("Jewell"), 179 N Michigan av, Chicago, Ill.
Detroit Foundry Co. ("Sun"), 1 E Gd blvd & Respello, Detroit, Mich.
Detroit Vapor Stove Co., 1633 Kercheval, Detroit, Mich.
Excelsior Stove & Mfg. Co. ("Monarch"), Quincy, Ill.
Insurance Foundry Co., Covington, Ky.
King Light Co., Peoria, Ill.
National Stove Co. (American Stove Co.), Lorain, O.
Rutherford J. & Son, Akron, O.
Tures Mfg. Co., 394 6th, Milwaukee, Wis.
Wehrle Co., Newark, O.

14414—Stoves, Heaters & Ranges (Gas)

A. B. Stove Co. ("New Idea" Ranges), Battle Creek, Mich.
Acme Stove & Range Co., Carnegie, Pa.
Adams Bros. Mfg. Co. Inc., Fayette & Chateau, Pittsburgh, Pa.
American Foundry & Machine Co., Hamilton, O.
American Stove Co. ("Quick Comfort" Heaters, "Quick Meal," "Reliable" & "Jewell" "National" & "New Process" Stoves), 827 Chouteau av, St. Louis, Mo.
Anchor Stove & Range Co. ("Anchor," Ranges & Heaters), New Albany, Ind.
Anderson Gas Appliance Co. (Stoves), Anderson, Ind.
Art Stove Co., Russell & Milwaukee, Detroit, Mich.
Baker Stove Works, Belleville, Ill.
Baltimore Gas Appliance & Mfg. Co. ("Oriole"), Bayard & Hamburg, Baltimore, Md.
Bardes E. H. Range & Foundry Co., 2619 Colerint, Cincinnati, O.
Barstow Stove Co., 116 Point, Providence, R. I.
Bauch Walter (Gas Stoves), 8651 Vincennes rd, Chicago, Ill.
Bellaire Stove Co., Bellaire, O.
Belleville Stove & Range Co. ("St. Clair" Ranges), Belleville, Ill.
Boston Stoves Foundry Co., 210 Border, Boston, Mass.
Boynton Furnace Co. (& Coal), ("Newport"), 106 W 37th, New York
Brooks Burner Stove Co. (Stoves & Heaters Only), Ardmore, Okla.
Bucks Stove & Range Co., 3500 N 2d, St. Louis, Mo.
Buffalo Co-Operative Stove Co. ("Amherst" Ranges), Amherst & Tonawanda, Buffalo, N. Y.
Central Oil & Gas Stove Co. (No Ranges), Gardner, Mass.
Cain W. G. Gas Radiator Co., 5217 Moneta av, Los Angeles, Cal.
Century Stove & Mfg. Co. ("Century"), Johnstown, Pa.
Chambers Mfg. Co., Shelbyville, Ind.
Champion Stove Co., 4001 W 45th, Cleveland, O.
Charter Oak Stove & Range Co., Antelope & Conduit, St. Louis, Mo.
Clark Geo. M. & Co. ("Clark Jewel"), 179 N Michigan av, Chicago, Ill.
Columbia Gas Stove Co., Huntington, W. Va.
Continental Brass & Foundry Co., 2700 S 7th, St. Louis, Mo.
Co-Operative Foundry Co. ("Red Cross" & Coal), Rochester, N. Y.
Crane Wm. M. Co. ("Vulcan" Stoves, Heaters & Ranges), 18 E 41st, New York
Culter & Proctor Stove Co. ("Peoria" Heaters, "Lexington" Ranges), Peoria, Ill.
Dangler Stove Co. ("Dangler," "Gem"), 501 Perkins av, Cleveland, O.
Daniels Geo. A., 227 Fulton, New York
Danville Stove & Mfg. Co., Danville, Pa.
Detroit Stove Works ("Detroit Jewel" Stoves & Ranges), 6900 East Jefferson av, Detroit, Mich.
Detroit Vapor Stove Co., 1633 Kercheval, Detroit, Mich.
Eclipse Gas Stove Co. ("Eclipse"), Rockford, Ill.
Eclipse Stove Co. ("Eclipse" "Premo"), Mansfield, O.
Economy Stove Co. ("Economy" Ranges), 2108 Superior, Cleveland, O.
Elgin Stove & Oven Co. ("Elgin"), Elgin, Ill.
Ephrata Stove Wks., Ephrata, Pa.
Eriez Stove & Mfg. Co. ("Hottentot," "Eriez," "Ideal," "Utility" & "Indian Queen" Ranges, also Heaters), Erie, Pa.
Estate Stove Co. ("Estate"), Hamilton, O.
Eugene Iron Works ("Seitz Forest Service" Knock-Down), Eugene, Ore.
Excelsior Stove & Mfg. Co. ("Monarch" Stoves), Quincy, Ill.
Favorite Stove & Range Co. ("Favorite" Ranges), Piqua, O.
Florence Mfg. Co. (Stoves & Heaters), Florence, Mass.
Fuller-Warren Co. ("Stewart"), 32nd & Wright, Milwaukee, Wis.
Fuller & Warren Co. ("Stewart" Ranges), Troy, N. Y.
Galusha Stove Co., Rochester, N. Y.
Gem City Stove Mfg. Co., Quincy, Ill.
General Gas Appliance Co., 103 Park av, New York
Graham Jas. Mfg. Co., 695 Bryant, San Francisco, Cal.
Gray Iron Foundry Co. (Large & Small), Reading, Pa.
Great Western Stove Co., Leavenworth, Kas.
Hammer-Bray Co. ("Spark" and "Artcraft"), 26th av & E 12th, Oakland, Cal.
Heath Stove & Heating Co., 503 W Franklin, Baltimore, Md.
Heating Supply & Repair Co. (Range), Elizabeth, N. J.
Hoerlein F. G. (Bakers' Gas Stoves), 200 Nostrand av, Bklyn., N. Y.
Howard Stove Co., Beaver Falls, Pa.
Huenefeld Co. ("Boss" Ranges), Cincinnati, O.
Independent Register & Mfg. Co., Perry Payne bldg, Cleveland, Ohio
Iron City Stove & Fdry. Co., Bristol, Va.
Ironton Incandescent Light & Supply Co., Ironton, Ohio
Jamestown Gas Stove Corp., Corry, Pa.
Jewett & Co., Military rd, Buffalo, N. Y.
Joplin Stove Co., Joplin, Mo.
Kalamazoo Stove Co. ("Kalamazoo" Ranges), Kalamazoo, Mich.
Kaufman A. G. Mfg. Co. ("Radion" Portable Gas Jet, Heater & Cooking Stove), 210 5th av, New York
Klaine F. A. Co. ("Good Will" Ranges), Front & Central, Cincinnati, O.

(Continued on following page)

Stoves, Heaters & Ranges (Gas)—Continued

Lawson O. P. Co. ("Palace," "Luxury," "Venus," "Flora," "Radium," "Radix," "Fairy" Radical Gas Heaters), Homestead, Pa.
Lindeman A. J. & Hoverson Co. (Ranges), Milwaukee, Wis.
Lynott Stove & Churn Wks., Louisiana, Mo.
Magee Furnace Co., 38 Union, Boston, Mass.
Majestic Mfg. Co., 2134 Morgan, St. Louis, Mo.
Malleable Iron Range Co. ("Monarch"), Beaver Dam, Wis.
Malleable Steel Range Mfg. Co. (Gas Stoves), South Bend, Ind.
Manhattan Gas Heating Co. ("Manhattan"), 137 W 53rd, New York
Michigan Stove Co. ("Garland;" also Appliances), Adair & Jefferson, Detroit, Mich.
Miller Wm. Range & Furnace Co. ("Miller" Ranges), 7th & B'way, Cincinnati, O.
Mission Foundry & Stove Works ("Hollywood"), 557 Treat av, San Francisco, Cal.
Monitor Stove Co. ("Monitor" Ranges), C. H. & D. Ry, nr Gest, Cincinnati, O.
Montag Stove Works ("Colonial"), 101 W Columbia, Portland, Ore.
Mott J. L. Iron Works, Trenton, N. J.
National Stove Co. ("Direct Action"), Lorain, O.
Naylor Bros., Peekskill, N. Y.
New Method Co. (For Manufactured or Natural Gas Heating & Cooking), Mansfield, O.
Novelty Mfg. Co. (Heaters Only), Jackson, Mich.
Noyes & Nutter Mfg. Co., Bangor, Me.
Odin Stove Mfg. Co. (Cooking "Royal," "Erie," "Viking," "Odin"), Erie, Pa.
Ohio State Stove Co. ("Ossco" Stoves), Columbus, O.
Olive Stove Works, Rochester, Pa.
Peerless Mfg. Co., 15th & Ormsby, Louisville, Ky.
Peerless Stove & Mfg. Co. ("Peerless"), Columbus, O.
Peninsular Stove Co., Detroit, Mich.
Portsmouth Stove & Range Co., Portsmouth, O.
Progress Furnace Co., Springfield, O.
Quad Stove Mfg. Co. ("Quad" Ranges), Columbus, O.
Queen Bee Stove Co., Tulsa, Okla.
Rathbone Sard & Co. ("Acorn"), Albany, N. Y.
Reliable Stove Co. Div. of American Stove Co. ("Reliable" Ranges, Heaters, Stoves & Gas Water Heaters), 1782 E 40th, Cleveland, O.
Republic Stove & Mfg. Co. ("Republic" Ranges), 1802 E 40th, Cleveland, O.
Reznor Mfg. Co. (Gas Stoves), Mercer, Pa.
Roberts & Mander Gas Stove Co. ("Quality" Ranges), Wash'n av, c S 11th, Phila., Pa.
Roper Geo. D. Corp., 707 S. Main, Rockford, Ill.
Royal Stove Co. (Gas Stoves), Spring City, Pa.
Rutherford J. & Son, Akron, O.
St. Paul Gas Appliance Co., St. Paul, Minn.
Sanitary Heating Co. ("Solar Ground"), 233 37th, B'klyn, N. Y.
Sanitary Stove Mfg. Co. (Stoves), Benton, Ill.
Schuyler W. S. (Stoves), Savannah, Mo.
Scranton Stove Works ("Dockash" Ranges), Scranton, Pa.
Sexton S. B. Stove & Mfg. Co. (Stoves & Ranges), 500 W Conway, Baltimore, Md.
Sheppard Isaac A. & Co. ("Imperial Excelsior" Ranges), 500H S Chester, Baltimore, Md.
Sheridan Stove Co. (Natural Gas), Quincy, Ill.
Sill Stove Works ("Sterling" Gas & Coal Ranges), 524H Oak, Rochester, N. Y.
Silver & Co., 304 Hewes, Brooklyn, N. Y.
Slattery J. B. & Bros. (Stoves), 118 Lawrence, Brooklyn, N. Y.
Smith & Anthony Co. ("Hub" Ranges), 52 Union, Boston, Mass.
Somersworth Foundry Co., Salmon Falls, N. H.
Southard-Robertson Co. ("Magnetic" & "Waldorf"), 259H Water, New York
Spence-Baggs Stove Co., Martins Ferry, O.
Stamford Gas Stove Co., Stamford, Conn.
Standard Furnace & Range Co., Louisville, Ky.
Standard Range & Stove Co., 32 Union, Boston, Mass.
Star Foundry Co., Covington, Ky.
Steiger & Kerr Stove & Foundry Co. ("Occidental"), 2201H Folsom, San Francisco, Cal.
Sterling Range & Furnace Corp. (Ranges), 524 Oak, Rochester, N. Y.
Stove & Range Co. of Pgh. (Stoves, Heaters & Ranges), Preble av nr Superior bridge, Pittsburgh, Pa.
Strand Heater & Mfg. Co. ("Strand" Gas Heater), 7804 Wade pk, Cleveland, O.
Summit Foundry Co. ("Summit"), Geneva, N. Y.
Summit Stove Wks., Morrison, Ill.
Taplin, Rice, Clerkin Co., Akron, O.
Thomas Oscar G. Co., Taunton, Mass.
Toledo Stove & Range Co., Toledo, O.
Trenkamp Stove & Mfg. Co., 9306 Quincy av, Cleveland, O.
Union Mfg. Co., Boyertown, Pa.
Union Stove Works ("Astor" Radiator), 70 Beekman, New York
Van Zandt Gas Appliance Co. (Stoves & Heaters), 4050 Olive, St. Louis, Mo.
Vesta Gas Range & Mfg. Co. (Stoves & Ranges), 110 Catherine, Chattanooga, Tenn.
Victor Stove Co., Salem, O.
Walker & Pratt Mfg. Co. ("Crawford" Ranges), 31 Union, Boston, Mass.
Waterman & Bro. (Gas Stoves), 195 Lewis, New York
Wehrle Co. (Ranges & Stoves), Newark, O.
Weir Stove Co. ("Glenwood" Ranges), Taunton, Mass.
Weiskittel A. & Son Co., 12th & Lombard, Baltimore, Md.
Western Stove Co. ("Westway"), Culver City, Cal.
Wetter H. Mfg. Co., S Pittsburgh, Tenn.
White Thos. Stove Co. ("Bacon"), Quincy, Ill.
White-Warner Co. ("Household" Ranges), Taunton, Mass.
Wilson Stove & Mfg. Co., Easton, Pa.
Wincroft Stove Works ("Wincroft" Ranges, Gas & Coal), Middletown, Pa.
Wood S. L., 1249 S Figueroa, Los Angeles, Cal.

14414a—Stoves (Heating, Coal & Wood)

Bell C. S. Co. (Caboose), Hillsboro, O.
Buda Co. ("Volcano" "Lewis" "Giant," Caboose & Station), Railway Exchange, Chicago, Ill.
Colonial Fireplace Co. (Franklin), 4611 W Roosevelt, Chicago, Ill.
Eclipse Stove Co. ("Frost Killer," "Sterling Eclipse")
Fuller Warren Co. ("Stewart" Caboose), 32d & Wright, Milwaukee, Wis.
Germor Stove Co. ("Radiant" Car Furnace), Erie, Pa.
Graham Jas. Mfg. Co., 695 Bryant, San Francisco, Cal.
Gray & Dudley Hardware Co. ("Nebo" Caboose), Nashville, Tenn.
Green's Car Wheel Mfg. Co. ("Cannon" Cabose), 3000 N B'way, St. Louis, Mo.
Hammer-Bray Co. ("Spark" & "Artcraft"), 26th av & E 12th, Oakland, Cal.
JACKSON EDWIN A. & BRO. INC., 50 Beekman, New York
See adv index at end of book
Jewett & Co. (Caboose), Military rd, Buffalo, N. Y.
Keeley Stove Co. ("Columbian" Air Tight), Columbia, Pa.
Michigan Stove Co. (Car), Adair & Jefferson, Detroit, Mich.
Murray Iron Works Co. (Car), Burlington, Ia.
Peninsular Stove Co. (Car), Fort & 8th, Detroit, Mich.
Richmond Stove Co. (Caboose), 2506 E Main, Richmond, Va.
Ross-Meehan Foundries (Caboose), Chattanooga, Tenn.
ST. PAUL FOUNDRY CO. (Caboose), Como av & Mackubin, St. Paul, Minn.
See adv index at end of book
Sexton S. B. Stove & Mfg. Co. (Caboose), 500 W Conway, Baltimore, Ind.
Southern Stove Works ("Tip Top" Caboose), Richmond, Va.
Stove & Range Co. of Pittsburgh (Caboose), Preble av nr. Superior Bridge, Pittsburgh, Pa.
United Iron Works Inc. (Caboose), Kansas City, Mo.
White Warner Co. ("Quaker"), Taunton, Mass.

14415— Stoves (Hot Blast)

American Stove Co., 827 Chouteau, St. Louis, Mo.
Amsler-Morton Co. ("Amsler" for Gas or Air), Fulton bldg, Pittsburgh, Pa.
Cole Mfg. Co., 3218 S Western av, Chicago, Ill.
Comstock-Castle Stove Co., Quincy, Ill.
Co-operative Foundry Co., Rochester, N. Y.
Foster Stove Co., Ironton, O.
Fuller-Warren Co. ("Stewart"), 32nd & Wright, Milwaukee, Wis.
Graham Jas. Mfg. Co., 695 Bryant, San Francisco, Cal.
Gray & Dudley Hardware Co. ("Washington," "Gray," "Grand," & "Pet Oak"), Nashville, Tenn.
Hemp & Co., Vandeventer nr Shaw, St. Louis, Mo.
Kalamazoo Stove Co., Kalamazoo, Mich.
McClure G. W. Son & Co. ("McClure"), Bessemer bldg, Pittsburgh, Pa.
McKee Arthur G. & Co., 2422H Euclid av, Cleveland, Ohio
Meehan Boiler & Construction Co., Lowellville, O.
Mohr John & Sons, 96th & Calumet River, Chicago, Ill.
Olive Stove Works, Rochester, Pa.
Peninsular Stove Co., Detroit, Mich.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Portsmouth Stove & Range Co., Portsmouth, O.
Quality Stove & Range Co., Belleville, Ill.
Richmond Stove Co., Dept. H, 2506 E Main, Richmond, Va.
Rust Engng. Co., 504 Dist. National Bk. bldg, Washington, D. C.
Smythe S. R. Co., 2022H Oliver bldg, Pittsburgh, Pa.
Southern Stove Works ("Tip Top"), Richmond, Va.
Traylor Engineering & Mfg. Co. ("Traylor," U-Pipe-for Smelting), Allentown, Pa.

14416— Stoves (Laundry)

American Stove Co. ("Quick Meal," "Jewell" & "Reliable" Gas), 827 Chouteau, St. Louis, Mo.
Belleville Stove & Range Co., Belleville, Ill.
Berkheimer & Lammers (Ranges & Heaters), Greenville, O.
Bibb B. C. Stove Co. ("Bibb"), 109 Light, Baltimore, Md.
Cheney S. & Son, Manlius, N. Y.
Chicago Dryer Co. ("Chicago" Gas or Coal), 2210 N Crawford av, Chicago, Ill.
Cox Abram Stove Co., American & Dauphin, Phila., Pa.
Crane Wm. M. Co. ("Vulcan"), 18 E 41st, New York
Detroit Stove Works ("Detroit Jewel"), 6900 East Jefferson av, Detroit, Mich.
Eclipse Gas Stove Co. ("Eclipse" Gas), Rockford, Ill.
Eclipse Stove Co., Mansfield, O.
Elgin Stove & Oven Co. ("Elgin"), Elgin, Ill.
Excelsior Stove & Mfg. Co. ("National"), Quincy, Ill.
Fuller & Warren Co. ("Stewart"), Troy, N. Y.
Fuller & Warren Co. ("Stewart"), 32nd & Wright, Milwaukee, Wis.
Glascock Stove & Mfg. Co. ("Carolina"), Greensboro, N. C.
Globe Stove & Range Co., Kokomo, Ind.
Gray & Dudley Hardware Co. ("Rex," "Western," "Bob" & "Pet"), Nashville, Tenn.
ILLINOIS MALLEABLE IRON CO. ("Imico"), 1801 Diversey blvd, Chicago, Ill.
See adv index at end of book
Ils John G. & Co., 839 Mission, San Francisco, Cal.
Indiana Foundry Co., Dept. H, Indiana, Pa.
International Heater Co., 21 H Park av, Utica, N. Y.
Jewett & Co., Military rd, Buffalo, N. Y.
Johnson Gas Appliance Co. ("Johnson"), Dept. H, Cedar Rapids, Ia.
Kalamazoo Stove Co., Kalamazoo, Mich.
Keeley Stove Co. ("Columbian"), Columbia, Pa.
Magee Furnace Co., 38 Union, Boston, Mass.
Malleable Iron Range Co. ("Monarch"), Beaver Dam, Wis.
Malleable Steel Range Mfg. Co., South Bend, Ind.
Michigan Stove Co. ("Garland"), Adair & Jefferson, Detroit, Mich.
Miller Wm. Range & Furnace Co., 125 E 5th, Cincinnati, O.
Olive Stove Works, Rochester, Pa.
Peninsular Stove Co., Detroit, Mich.
Pierce, Butler & Pierce Mfg. Corp. ("Lit-Giant"), 41 E 42d, New York
Pueblo Brass & Iron Foundry, Pueblo, Col.
Reliable Stove Co. Division of American Stove Co. ("Reliable" Gas), 1787 E 40th, Cleveland, O.
Richmond Stove Co., Dept. H, 2506 E Main, Richmond, Va.
Roper Geo. D. Corp., 707 S Main, Rockford, Ill.
Sexton S. B. Stove & Mfg. Co., 500 W Conway, Baltimore, Md.
Sheppard Isaac A. & Co., 500H S Chester, Baltimore, Md.
Southern Stove Works ("Tip Top"), Richmond, Va.
Sperry D. R. & Co. ("Centennial"), Batavia, Ill.
Superior Foundry Co, 71st & W. & L. E. Ry., Cleveland, O.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
Treaty Co., Greenville, O.
Troy Laundry Machinery Co. (Ltd.), 824 S Michigan av, Chicago, Ill.
Union Mfg. Co. Inc., Boyertown, Pa.
Union Stove Works, 70 Beekman, New York
Walker & Pratt Mfg. Co., 31 Union, Boston, Mass.
Wehrle Co., Newark, O.
Weiskittel A. & Son Co. ("Fire King" Gas), 12th & E Lombard, Baltimore, Md.

14417— Stoves (Masons')

Drouve G. Co., 40 Tulip, Bridgeport, Conn.
Littleford Bros., 444 E Pearl, Cincinnati, O.
See adv index at end of book

14418— Stoves (Mogul)

Bell C. S. Co., Hillsboro, Ohio
Indiana Foundry Co., Dept. H, Indiana, Pa.

14419— Stoves (Wood)

Abendroth Bros. ("Buena," "Edna," "New Puck," "Winner," "Prenda," "La Familia," "Lynwood," "Alice," "Charmer"), Main, Port Chester, N. Y.
Bellaire Stove Co., Bellaire, Ohio

Bibb B. C. Stove Co. ("Puck," "Yule Box," "Grand Oak," "Druid," "Wildfire," "Witch," "Trilby," "Wizard" Air Tight), 109 Light, Baltimore, Md.
Birmingham Stove & Range Co., Birmingham, Ala.
Bucks Stove & Range Co., 3500H N 2nd, St. Louis, Mo.
Fuller-Warren Co. ("Stewart"), 32nd & Wright, Milwaukee, Wis.
Globe Stove & Range Co., Kokomo, Ind.
Graham Jas. Mfg. Co., 695 Bryant, San Francisco, Cal.
Gray & Dudley Hardware Co. (Heating & Cooking, "Geo. Washington," "Grand," "Reba," "Washington," "Clipper," "Togo"), Nashville, Tenn.
Hammer-Bray Co. ("Spark" & "Artcraft"), 26th av & E 12th, Oakland, Cal.
Jewett & Co., Military rd, Buffalo, N. Y.
Kalamazoo Stove Co., Kalamazoo, Mich.
Keeley Stove Co. ("Columbian") Columbia, Pa.
Knox Stove Works, Elliot av, Knoxville, Tenn.
Michigan Stove Co. ("Garland" Coal & Wood), Adair & Jefferson, Detroit, Mich.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Richmond Stove Co., Dept. H, 2506 E Main, Richmond, Va.
Southern Stove Works ("Tip Top"), Richmond, Va.
Spence-Baggs Stove Co., Martins Ferry, O.
Tennessee Stove Works, Main & Belt Ry., Chattanooga, Tenn.
Union Stove Works (Coal & Wood), 70 Beekman, New York
Vesta Gas Range & Mfg. Co., 110 Catherine, Chattanooga, Tenn.
Weiskittel A. & Son Co. ("Patapsco"), 12th & Lombard, Baltimore, Md.

14420—Stoves & Heaters (Oil)

American Stove Co. ("Quick Heal," "Reliable," "New Process"), 827 Chouteau av, St. Louis, Mo.
Anthony Co., 138 West av, Long Island City, N. Y.
Central Oil & Gas Stove Co. ("Florence," "Central," "Light House"), Gardner, Mass.
Clayton & Lambert Mfg. Co. (Crude Oil Heaters), 10565 Knodell av, Detroit, Mich.
Cleveland Metal Products Co. ("New Perfection," "Puritan" Cooking or Heating), 7609 Platt av, Cleveland, Ohio
Cranford Oilstove Works, Cranford, N. J.
Dangler Stove Co., 5017 Perkins av, Cleveland, O.
Detroit Foundry Co. ("Sun"), 1 E Grand blvd & Reopelle, Detroit, Mich.
Detroit Vapor Stove Co. ("Red Star"), 12345 Kercheval, Detroit, Mich.
Excelsior Stove & Mfg. Co. ("Monarch" Stoves), Quincy, Ill.
Granger Co., A. D., 17 Park Row, New York
See adv index at end of book
Manning Mfg. Co., Inc., 69 6th, Portland, Ore.
Miller Edw. & Co. ("Miller" Kerosene Heaters), Meriden, Conn.
National Enameling & Stamping Co., 411 5th av, New York
National Stove Co. (American Stove Co.), Lorain, O.
Novelty Mfg. Co. ("Alumino & Electric"), Jackson, Mich.
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Otis Boiler Co., Inc., 335 W 1st, Oswego, N. Y.
Otto Wm. H. Metal Goods Corp. ("Khotal," Kerosene), Jersey City, N. J.
Rathbone, Sard & Co. (Acorn), Albany, N. Y.
Silver & Co., 304 Hewes, Brooklyn, N. Y.
Standard Oil Co. ("Perfection"), 26 B'way, New York
Taylor & Boggis Fdry Co ("Summer Girl," "Game," "Magic," "Game Junior" "Pacific" Stoves Only), 1913 W 3rd, Cleveland, O.
Turner Brass Works ("Nowik" Oil Heater), Sycamore, Ill.
Waterman Henry & Bro. (Stoves Only), 195 Lewis, New York

14421— Straight Edges

Athol Mach. & Foundry Co. (Steel Hardened & Ground), Athol, Mass.
Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Brown & Sharpe Mfg. Co. (Cast Iron, Knife Edge, Steel Hardened & Ground), Providence, R. I.
Covel Mfg. Co. (Saw), Benton Harbor, Mich.
Disston Hy. & Sons, Tacony, Phila., Pa.
Goodell-Pratt Co. ("Mass. Tool Co."), Greenfield, Mass.
Hub Machine Welding & Contracting Co. (Cast Iron), 450 W 12th, Phila., Pa.
Keuffel & Esser Co. (Steel Flexible), Hoboken, N. J.
Oldham New York Saw Works, 112 86th, Brooklyn, N. Y.
Sawyer Tool Mfg. Co. (Steel Hardened & Ground), Ashburnham, Mass.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
Starrett L. S. Co. (Steel, Hardened & Ground), Athol, Mass.
Walstad Machine Co. (Aluminum Alloy, 6 Foot), 1005 E D, Tacoma, Wash.
Weber Co., F., 1220 Buttonwood, Philadelphia, Pa.

14422— Straighteners & Cutters (Core Wire)

Lewis Machine Co., 6303 Central, Cleveland, O.
Worthington Pump & Machy. Corp., 115 Broadway, New York

14423— Strainers (Air)

Cash A. W. Co. (Dept. H, P. O. Box 135, Decatur, Ill.
See adv index at end of book

CASH STANDARD STRAINERS

Flat and cylindrical; protect meters, valves, regulators, pumps, etc., from scale, grit, other foreign matter. Used with steam, air, water, oil, gases. Ask for description and catalog.

A. W. Cash Co., Dept. H. Decatur, Ill.

Fisher Governor Co. ("Fisher"), 129H Fisher av, Marshalltown, Iowa
Globe Iron Roofing & Corrugating Co., Dept. H, Newport, Ky.
Hennebohle Frank, 31st & S Chicago av, Chicago, Ill.
Western Brass Mfg. Wks., Marshall blvd & 21st, Chicago, Ill.
Westinghouse Air Brake Co., Pittsburgh, Pa.
Westinghouse Traction Brake Co., Pittsburgh, Pa.
Wright Austin Co. ("Wright"), 97 Woodbridge, Detroit, Mich.

14424— Strainers (Cesspool)

Acheson Mfg. Co., Rankin, Pa.
See adv index at end of book
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Indiana Foundry Co., Dept. H, Indiana, Pa.
Trenton Brass & Machine Co. (Brass), Trenton, N. J.
Try Me Mfg. Co. ("Try Me"), Westfield, Mass.

14425—Strainers (Conductor & Eave Trough)

Alberne Stove Co., 153 W 23rd, New York
Audubon Wire Cloth Co., Inc., Audubon, N. J.
Bennett Wire Co., Inc., 7 E 42nd, New York
Berger Mfg. Co., 1038 Belden av, Canton, O.
Bromwell Brush & Wire Goods Co., United Bank bldg, Cincinnati, Ohio
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
Globe Iron Roofing & Corrugating Co., Dept. H, Newport, Ky.
Hamblin & Russell Mfg. Co. (Galv. Wire), 28 Water, Worcester, Mass.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Jelliff C. O. Mfg. Corp., Box 68, Southport, Conn.
Lamb & Ritchie Co., Cambridge, Mass.
Merchant & Evans Co., Washington av & 21st, Philadelphia, Pa.
Meyers F. J. Mfg. Co., Hamilton, O.
Milwaukee Corrugating Co., Milwaukee, Wis.
O'Neill Joseph Wire Wks., Port Chester, N. Y.
Parker Wire Goods Co., Worcester, Mass.
Racine Iron & Wire Wks., Racine, Wis.
Reeves Mfg. Co., Dover, O.
Scott Roofing & Mfg. Co., 408 Culvert, Cincinnati, O.
Washburn Co. (Andrews Division), Preston, Rockford, Ill.
Wheeling Corrugating Co., Wheeling, W. Va.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Young Mfg. Co., Bellevue, Ia.

14426— Strainers (Cup)

Hauptman A., 23 Leonard, New York

14427— Strainers (Floor)

Columbus Brass Co., 620 Dublin av, Columbus, Ohio *See adv index at end of book*
Dent Hardware Co., Fullerton, Pa.
National Brass Mfg. Co., Rochester, N. Y.

14428-9—Strainers (Fruit)

Bennett Wire Co., Inc., 7 E 42nd, New York
Tate Mfg. Co. ("Just-the-thing" Strainer & Jelry Bag Combined), 48 Hanover, Boston, Mass.
Washburn Co. (Andrews Division), Preston, Rockford, Ill.

14429a—Strainers (Gasoline)

Bousman Mfg. Co., Grand Rapids, Mich.
Breeze Metal Hose & Mfg. Co. ("Breeze"), 20 Calumet, Newark, N. J.
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, Ohio
See adv index at end of book
Carter Carburetor Co. ("Carter"), 2840 N Spring, St. Louis, Mo.
Cash A. W. Co., Dept. H, P. O. Box 135, Decatur, Ill.
See adv index at end of book
Denver Auto Goods Co., 39 Broadway, Denver, Colo.
Breeze Metal Hose & Mfg. Co., 250 South, Newark, N. J.
Fisher Governor Co., ("Fisher") 129 Fisher av, Marshalltown, Ia.
Generator Valve Co., 47 Dinsmore pl., Brooklyn, N. Y.
Geuder, Paeschke & Frey Co. (& Separators), 1314-1790 St. Paul av, Milwaukee, Wis. *See adv index at end of book*
Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.
Gleason-Peters Air Pump Co., 334 Classon av, Brooklyn, N. Y.
Halladay L. P. Co., Streator, Ill.
Hancock Mfg. Co. ("Hancock"), Charlotte, Mich.
Hatcher Auto Parts Co., Cleveland, O.
Imperial Brass Mfg. Co. ("Imperial"), 1200 W Harrison, Chicago, Ill.
Jelliff C. O. Mfg. Corp., Box 68, Southport, Conn.
Kraft A. C., 323 W Lake, Chicago, Ill.
Lindley W. H. Co. (Lindley"), Canastota, N. Y.
LUNKENHEIMER CO., Executive Offices tive Offices & Factories: Beekman & Waverly, Cincinnati, O.
See adv index at end of book
Marvel Carburetor Co. ("Marvel"), Flint, Mich.
Newark Wire Cloth Co., 223 Verona av, Newark, N. J.
Powell Wm. Co., 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Sexton Can Co. ("Sexton"), 123 Broad, Boston, Mass.
Try Me Mfg. Co. ("Try Me"), Westfield, Mass.
U. S. Indestructible Gasket Co., 831 E 15th Brooklyn, N. Y.
See adv index at end of book
Wheeler-Schebler Carburetor Co. ("Schebler"), Sandust & Barth, Indianapolis, Ind.
WILCOX CRITTENDEN & CO., INC., 444 S Main, Middletown, Conn.
See adv index at end of book
Williams D. T. Valve Co. ("Williams"), Cincinnati, O.

Strainers (Gutter)

See Strainers, Conductor & Eave Trough

14430— Strainers (Hose)

American Injector Co., 173 14th av, Detroit, Mich.
Edna Brass Mfg. Co., Cincinnati, O.
Elkhart Brass Mfg. Co. (Also Ejector), for Fire Dept.), Elkhart, Ind.
Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, O.
Manning Maxwell & Moore Inc. (Hancock Inspirator Co. & Hayden Derby Mfg. Co. Divisions), 119 W 40th, New York
See adv index at end of book
Penberty Injector Co., 346 Holden av, Detroit, Mich.

14431— Strainers (Injector)

Elkhart Brass Mfg. Co. (Brass Suction Elkhart, Ind.
LUNKENHEIMER CO. ("Trusty"), Executive & Factories, Beekman & Waverly, Cincinnati, O.
See adv index at end of book
Manning Maxwell & Moore, Inc. (Hayden & Derby Mfg. Co., Div.), 100 E 42nd, New York *See adv index at end of book*
Ohio Injector Co., Wadsworth, O.

14432—Strainers (Irrigating)

Butler Co., Butler, Ind.

14433—Strainers (Locomotive Water)

Handlan-Buck Mfg. Co. ("Hayes"), 210-14 N 3d, St. Louis, Mo.
Nathan Mfg. Co., 416 E 106th, New York

14434— Strainers (Milk)

Bennett Wire Co., Inc., 7 E 42nd, New York
Central Stamping Co., 206 B'way, New York
Creamery Package Mfg. Co., 61 W Kinzie, Chicago, Ill.
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
National Enameling & Stamping Co., 411 5th av, New York
Sanitary Strainer Co. ("Fribery"), Maiden Rock, Wis.

14434a—Strainers (Oil & Water)

ANTHONY CO. ("Anthony"), 138H West av, Long Island City, N. Y.
Bennett Wire Co., Inc., 405 Lexington av, New York
Bethlehem Shipbuilding Corp. Ltd. (Suction & Discharge), Dept. H, Broadhead & Parker av, Bethlehem, Pa.
Bowser S. F. & Co. (Fuel Oil, for Boilers & Engines), Dept. H, Ft. Wayne, Ind.
Braun C. F. & Co. ("Braun"), Mission rd. & Fremont av, Los Angeles, Cal.
Cash A. W. Co., Dept. H, P. O. Box 135, Decatur, Ill.
See adv index at end of book
Coen Co., Inc., 112 Market, San Francisco, Cal.
Elliot Co., Dept. H, Jeanette, Pa.
Fisher Governor Co. ("Fisher"), 129H Fisher av, Marshalltown, Iowa
GRISCOM-RUSSELL CO. (G-R Single), 92 West, New York
See adv index at end of book
Hennebohle Frank, 31st & S Chicago av, Chicago, Ill.
Schutte & Koerting Co., 1251 N 12th, Pa. *See adv index at end of book*
STAPLES & PFEIFFER ("S & P"), 528 Bryant st, San Francisco, Cal.
Tate-Jones & Co., Inc., Pittsburgh, Pa.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.
Wright-Austin Co. ("Wright"), 315H Woodbridge, W., Detroit, Mich.

14435— Strainers (Oil Well)

Anthony Co., 138 West av, Long Island City, N. Y.
Bennett Wire Co., Inc., 7 E 42nd, New York
Houston Iron Works, Houston, Tex.
Layne & Bowler Co., 900 Santa Fe av, Los Angeles, Cal.
See adv index at end of book
McEvoy J. H. & Co., Houston, Tex.
McEvoy Wireless Strainer Co., Higgins bldg, Los Angeles, Cal.
Plant Engng. & Equipt. Co., 11 John, New York
Schutte & Koerting Co. (Oil Duplex), 1251 N 12th, Phila., Pa.
See adv index at end of book
Stancliff Well Screen & Mfg. Co., Houston, Tex.
Standard Slotted Pipe Co., Higgins bldg, Los Angeles, Cal.

14436— Strainers (Paint)

Bennett Wire Co., Inc., 7 E 42nd, New York
Kraft A. C., 323 W Lake, Chicago, Ill.

14437— Strainers (Pipe)

Central Foundry Co., 41 E 42d, New York
Fisher Governor Co. ("Fisher"), 129H Fisher av, Marshalltown, Iowa
Manning Maxwell & Moore, Inc. (Hayden & Derby Mfg. Co., Div.), 100 E 42nd, New York *See adv index at end of book*
Morse A. J. & Son, Inc., 221 High, Boston, Mass.
Pancoast Henry B. Co. ("Extra Leaky"), 900 N Front, Phila., Pa.
Progressive Iron Foundry & Machine Co. ("Purity"), Haydenville, Mass.
SPRAY ENGINEERING CO. ("Spraco" Self-Cleaning), 62 High, Boston, Mass.
See adv index at end of book
Walworth Mfg. Co., 82H Pearl, Boston, Mass.

14438— Strainers (Pressure)

Lagonda Mfg. Co., Springfield, O.
Progressive Iron Foundry & Machine Co. ("Purity"), Haydenville, Mass.
Spray Engng. Co. ("Spraco" Self-Cleaning), 62 High, Boston, Mass.
See adv index at end of book

'SPRACO'
SELF-CLEANING
PRESSURE STRAINERS
SPRAY ENGINEERING CO.
62 High St. Boston, Mass.

14439— Strainers (Sink)

American Brass & Copper Co., 131 Lafayette, New York
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Pin Co. ("Ampinco"), Waterbury, Conn.
Barber Mfg. Co. (Painted), Ashtabula, O.
Blairsville Sanitary Co., Blairsville, Pa.
Cassady Fairbank Mfg. Co. ("Duffys"), 6126 S La Salle, Chicago, Ill.
Central Stamping Co. ("Perfect"), 206 B'way, New York
Cheney S. & Son, Manlius, N. Y.
Columbian Enameling & Stamping Co. (Enameled), Terre Haute, Ind.
Dent Hardware Co., Fullerton, Pa.
Frost Mfg. Co. (Basin & Sink), Kenosha, Wis.
Geuder, Paeschke & Frey Co. ("Cream City"), 1314-1790 St. Paul av, Milwaukee, Wis. *See adv index at end of book*
Gray Iron Foundry Co. (Cast Iron), Reading, Pa.
Hamblin & Russell Mfg. Co. (Wire), Worcester, Mass.
Minerva Mfg. Co., Minerva, O.
Modern Iron Works, Quincy, Ill.
National Enameling & Stamping Co. (Steel etc), 411 5th av, New York
Parker Wire Goods Co. (Wire), Worcester, Mass.
Presteel Co., Grafton, O.
Republic Metalware Co. ("Protex" drip less), 100 Alabama, Buffalo, N. Y.
Roseland Can & Specialty Co. ("Century," "New Diamond"), Rockford, Ill.
Sanitary Co., Dept. H, Linfield, Pa.
Silver & Co. ("Brooklyn"), 304 Hewes, Brooklyn, N. Y.
Trenton Brass & Machine Co. (Basin & Sink), Trenton, N. J.
Washburn Co. (Andrews Division), ("Vrooman's" "Aunt Dinah's"), Preston, Rockford, Ill.
Washburn Co. (Wire Goods Div.), 28 Union, Worcester, Mass.
Waterbury Mfg. Co. (Div. Chase Companies, Inc.), Waterbury, Conn.
Wickwire Spencer Steel Corp., 41 E 42nd, New York
See adv index at end of book

14439a— Strainers (Steam)

Cash A. W. Co., Dept. H, P. O. Box 135, Decatur, Ill.
See adv index at end of book

14440— Strainers (Suction)

Anthony Co. ("Anthony"), 138H West av, Long Island City, N. Y.
Bethlehem Shipbuilding Corporation, Ltd., Bethlehem, Pa.
DUNHAM CO., C. A., 230 E Ohio, Chicago
See adv index at end of book
Elliot Co., Dept. H, Jeanette, Pa.
McAlear Mfg. Co., 1901 S Western av, Chicago, Ill.
Medina Stamping & Mach. Co., Medina, N. Y.
Monash-Younker Co., 1407 W Jackson blvd, Chicago, Ill.
Rosedale Foundry & Machine Co. ("Holt" Automatic for Water of Pressure), Columbus & Preble, Pittsburgh, Pa.
Schutte & Koerting Co. ("Schutte-Koerting"), 1251 N 12th, Phila., Pa.
See adv index at end of book

14441—Strainers (Sugar Juice)

Bennett Wire Co., Inc., 7 E 42nd, New York
Fulton Iron Works Co., 1259 Delaware av, St. Louis, Mo.
Honolulu Iron Works Co., 233 Broadway, New York
LINK-BELT COMPANY, 300 W 39th, Chicago, Ill.
See adv index at end of book

14442—Strainers (Tea & Coffee)

Buckeye Aluminum Co., Wooster O.
Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Craw Wm. N. Mfg. Co., South Norwalk, Conn.
Fargo E. A. Corp. (Aluminum), Taunton, Mass.
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Hamblin & Russell Mfg. Co. ("Never Tip" Wire, "No Wobble" Spout, "Hub" Never Drip, etc), Worcester, Mass.
Jewett Stamping & Enameling Co. ("Jewett" White Enameled), Jewett, O.
Parker Wire Goods Co., Worcester, Mass.
Peoria Can Co., Peoria, Ill.
Standard Aluminum Co. (Aluminum), Two Rivers, Wis.
Utility Mfg. Co., 819 Granby, Baltimore, Md.
Washburn Co. (Andrews Division), Preston, Rockford, Ill.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Woods-Sherwood Co., 28 Union, Worcester, Mass.

14443—Strainers (Tubular Well)

Cook August D. ("Cook's" Brass), Lawrenceburg, Ind.
Mark Mfg. Co., Evanston, Ill.
Smith C. G. Artesian Well Co. (Brass & Galvanized Iron), 132 High, Boston, Mass.

14444— Strainers (Urinal)

ACHESON MFG. CO., Rankin, Pa.
See adv index at end of book
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Dent Hardware Co., Fullerton, Pa.
Haines, Jones & Cadbury Co., 1136 Ridge, av, Phila., Pa.
Hamblin & Russell Mfg. Co. (Wire), Worcester, Mass.
Milwaukee Brass Mfg. Co. ("Bee Hive"), 251 Lapham, Milwaukee, Wis.
Mott J. L. Iron Works, Trenton, N. J.
Perkes Chas. (Est. of), 627 Arch, Phila., Pa.
Trenton Brass & Machine Co. (Bee Hive), Trenton, N. J.

14445—Strand (Galvanized)

American Steel & Wire Co., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Indiana Steel & Wire Co., Muncie, Ind.

14446—Strand (Stone Sawing)

Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.

14446a— Strapping (Box)

See also Box Straps
Cary Mfg. Co., Nassau & Jay, Brooklyn, N. Y. *See adv index at end of book*
CONSOLIDATED STEEL STRAPPING CO. (Orange Box), 2600-20 N Western av, Chicago, Ill.
See adv index at end of book
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Independent Metal Strap Co., 56 Prince, New York
See adv index at end of book
WIRE & STEEL PRODUCTS CO., 421 E 22nd, New York
See adv index at end of book

14447— Strapping (Mill)

Chicago Rawhide Mfg. Co., The, 1307 Elston av, Chicago
See adv index at end of book
Edmands Arthur B. Co., 180 Main, Pawtucket, R. I
Graton & Knight Mfg. Co., The, 244 Franklin, Worcester, Mass.
See adv index at end of book

14448— Straps (Anchor)

Clark W. J. Co., Salem, O.
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Londelius C. A. & Sons Co. (Pin), 847 W 63d, Chicago, Ill.
O'Leary Arthur J. & Son Co., 65th & S 57th av, Chicago Ill.

14449— Straps (Automobile)

Backstay Machine & Leather Co., Union City, Ind.
Badger Handle Co., 415 3rd, Milwaukee, Wis.
Brace Leather Goods Co., Pontiac, Mich.
CHICAGO BELTING CO., 110 N Green, Chicago
See adv index at end of book
Chicago Rawhide Mfg. Co., The, 1307 Elston av, Chicago, Ill.
See adv index at end of book
Consolidated Belting Co., Gtn. & Berkly, Philadelphia, Pa.
Curry J. W. Co. (Top & Wire), 2615 Cummins, Cincinnati, O.
Detroit Leather Works, 683 Lafayette av, East, Detroit, Mich.
Graton & Knight Mfg. Co., The, 244 Franklin, Worcester, Mass.
See adv index at end of book
New York Leather Belting Co., 33 Warren, New York
Perkins Campbell Co. ("Campbell"), 622 B'way, Cincinnati, Ohio
Rochester Woven Belting Corp. (Anti-Rattling Hood), East Rochester, N. Y.
Russell Mfg. Co. ("Rusco"), Dept. H, Middletown, Conn.

14450—Straps (Baggage Check)

American Railway Supply Co., 134 Charles, New York
Buchheimer Geo. H, 508H Sann, Baltimore, Md.
CHICAGO BELTING CO., 110 N Green, Chicago, Ill.
See adv index at end of book
Chicago Rawhide Mfg. Co., The, 1307 Elston av, Chicago, Ill.
See adv index at end of book
Detroit Leather Works, 683 Lafayette av, E, Detroit, Mich.
Graton & Knight Mfg. Co. (The), 244 Franklin, Worcester, Mass.
See adv index at end of book

14451—Straps (Beam Electric)

Steel City Electric Co. ("Fullman"), 1207 Columbus av, Pittsburgh, Pa.

14452— Straps (Bill)

Detroit Coin Wrapper Co., 15 W Milwaukee, Detroit, Mich.
Eisler Anthony & Co., 227 Canal, New York

Straps (Crate)

See Box Straps

14453— Straps (Cross-Arm)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

14454— Straps (Deckle)

Boston Belting Corp. ("Imperial," "Excelsior," for Fourdrinier Paper Machine), 80 Elmwood av, Boston, Mass.
Goodrich B. F. Co., Akron, O.
Republic Rubber Co., Youngstown, O.
Revere Rubber Co., Chelsea, Mass.
U. S. Rubber Co., 1790 Broadway, New York *See adv index at end of book*

"U. S." DECKLE STRAPS
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

14455— Straps (Flush & Supply Pipe)

American Brass & Copper Co., 138 Lafayette, New York

14456— Straps (Glazing)

Continental Fibre Co. (Vulcanized Fibre), Newark, Del.

14457— Straps (Hame)

Atlantic Mfg. Co., 2nd & Walnut, Wilmington, Del.
Cal. Tanning Co., 1905 Shenandoah av, St. Louis, Mo.
CHICAGO BELTING CO., 110 N Green, Chicago, Ill.
See adv index at end of book
Chicago Rawhide Mfg. Co., The, 1307 Elston av, Chicago, Ill.
See adv index at end of book
Rhoads J. E. & Sons, 57 N 2nd, Phila., Pa.
Williams I. B. & Sons, Dover, N. H.

14458— Straps (Hammer)

Harvey Spring & Forging Co., Racine, Wis.
Youngstown Pressed Steel Co. (Pressed Steel Wagon), Warren, O.
See adv index at end of book

14459— Straps (Hose)

American Brass & Copper Co., 138 Lafayette, New York
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, O.
Park & McKay, 55 Bagley av, Detroit, Mich.
Walworth Mfg. Co., Boston, Mass.

14460— Straps (Pipe)

Acme Pipe Strap Co. (& Conduits), 944 Harper av, Detroit, Mich.
American Brass & Copper Co., 138 Lafayette, New York
American Pin Co. ("Ampinco" Brass), Waterbury, Conn.
Appleton Electric Co., Wellington & Paulina, Chicago, Ill.
Berger Bros. Co., 229 Arch, Philadelphia, Pa.
Blake Specialty Co. (Wrought Iron, Perforated), Rock Island, Ill.
Bryant Electric Co., 1421 State, Bridgeport, Conn.
Cann & Saul, 516 Commerce, Phila., Pa.
Combination Rubber Mfg. Co., Bloomfield, N. J.
Consolidated Steel Strapping Co., 2600-20 N Western av, Chicago, Ill.
See adv index at end of book
Devlin Thos. Mfg. Co. (Malleable Iron), 3d & Lehigh av, Phila., Pa.
Eagle Mfg. Co. (Tinned), Wellsburg, W. Va.
Fee & Mason, 81 Beekman, New York
Gleason James & Co., 515 W Jackson blvd, Chicago, Ill.
Good Mfg. Co., 305 E 134th, New York
Grabler Mfg. Co., Cleveland, O.
Grinnell Co., 275 W Exchange, Providnece, R. I.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Lalance & Grosjean Mfg. Co. (Wrought Steel, "L. & G"), 299 B'way, New York
Larkin J. K. & Co., 253 Broadway, New York. *See adv index at end of book*
Lenz Machine Works (Galvanized Steel), 199 Franklin, New York
McCormack E. A., 29 Broadway, New York
Malleable Iron Fittings Co. ("M. I. F. Co."), Branford, Conn.
Merwin Mfg. Co. (Galvanized Steel), Erie, Pa.
Northwestern Stamping Co., Burlington, Ia.
Nortmann-Duffke Co., 1233 27th av, Milwaukee, Wis.
Peck C. A. Hardware Co. (Galvanized Gas Pipe), Berlin, Wis.
Perkes Chas. (Est. of), 627 Arch, Phila., Pa.
Robinson Mfg. Co., 8123 Bruner S E, Cleveland, O.
Smith & Egge Mfg. Co. (Single & Double), Bridgeport, Conn.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Sykes Co., 2300 W 58th, Chicago, Ill.
Wall P. Mfg. Supply Co., 705 Preble av, Pittsburgh, Pa.
Walworth Mfg. Co., Boston, Mass.
Wise J. B., Inc., Watertown, N. Y.
Wolverine Brass Works (Tinned), Grand Rapids, Mich.

14461— Straps (Pitman)

Henry & Allen, Auburn, N. Y.

14462— Straps (Pole)

Bethlehem Steel Co., So Bethlehem, Pa.
Chicago Rawhide Mfg. Co., The, 1307 Elston av, Chicago, Ill.
See adv index at end of book
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.

14463— Straps (Rebound)

Badger Handle Co., 415 3rd, Milwaukee, Wis.
Chicago Rawhide Mfg. Co., The, 1307 Elston av, Chicago, Ill.
See adv index at end of book
Detroit Leather Works, 683 Lafayette av, E, Detroit, Mich.
Rochester Woven Belting Corp., East Rochester, N. Y.

14464— Straps (Roll-Up)

Monarch Carriage Goods Co. ("Monarch" for Carriage Curtains), 2842 Spring, Cincinnati, O.

Straps (Singletree)

See Straps, Pole

14465— Straps (Skate, Trunk, Blanket, Etc.)

Atchison Saddlery Co., Atchison, Kan.
Backstay Machine & Leather Co., Union City, Ind.
Badger Handle Co., 415 3rd, Milwaukee, Wis.
Buchheimer Geo. H. (Leather), 1004 Rutland av, Baltimore, Md.
Buffalo Weaving & Belting Co. (Cotton), 215 Chandler av, Buffalo, N. Y.
Cathrein Mfg. Co. (Also Book, Shawl Webb, 1824 Linden, Brooklyn, N. Y.
CHICAGO BELTING CO. (Trunk), 110 N Green, Chicago, Ill.
See adv index at end of book
Chicago Leather & Mercantile Co., 1843 W 14th, Chicago, Ill.
Chicago Rawhide Mfg. Co., The, 1307 Elston av, Chicago, Ill.
See adv index at end of book
Curry J. W. Co. (Trunk), 2615 Cummins, Cincinnati, O.
DAN DEE STRAP CO., 2326 83rd st, Brooklyn, N. Y.
Detroit Leather Works, 683 Lafayette av, E, Detroit, Mich.
Galewski A. & Son, 453 Broome, New York
Graton & Knight Mfg. Co. (The), 244 Franklin, Worcester, Mass.
See adv index at end of book
Hudson Belting Co. (Trunk, etc), 3 Eaton pl, Worcester, Mass.
Modern Weaving & Belting Co. (Trunk), 123 Arthur, Buffalo, N. Y.
National Leather Mfg. Co., Niles, Mich.
Nott W. S. Co. (Skate & Trunk), 2d av N & 3d, Minneapolis, Minn.
Page Belting Co., Concord, N. H.
Rhoads J. E. & Son, 57 N 2nd, Phila., Pa.
Rochester Woven Belting Corp., East Rochester, N. Y.
Russell Mfg. Co. (Rusco), Dept. H, Middletown, Conn.
Sells J. H. & F. A. Co. (Leather), Chestnut & Pearl, Columbus, O.
Warren Leather Goods Co., Worcester, Mass.
Workman H. B. Co. (Cotton), Lititz, Pa.

14466— Straps (Street Car)

Chicago Rawhide Mfg. Co., The, 1307 Elston av, Chicago, Ill.
See adv index at end of book
Detroit Leather Works, 683 Lafayette av, E, Detroit, Mich.
Graton & Knight Mfg. Co. (The), 244 Franklin, Worcester, Mass.
See adv index at end of book
Railway Improvement Co. ("Rico" Sanitary), 111 Park av, New York
Rhoads J. E. & Son, 57 N 2nd, Phila., Pa.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Wallace Supplies Mfg. Co. (Hand Straps), 1312 Diversey P'kway, Chicago, Ill.

14467— Straps (Timber)

Bethlehem Steel Co., So Bethlehem, Pa.
Kansas City Bolt & Nut Co. (Also Bridge), Kansas City, Mo.

14467a— Straps (Wall)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

14468— Straw Board Mfrs.

Albany Paper Products Co., Albany, Ind.
Alton Box Board & Paper Co., Alton, Ill.
Am. Paper Products Co., 2nd & Bremen av, St. Louis, Mo.
Barrett Co. (Plain & Tarred), 17 Battery pl, New York
Beloit Box Board Co., Beloit, Wis.
Boyle John F. Co., 500 Montgomery, Jersey City, N. J.
Coshocton Straw Paper Co., Coshocton, O.
Creamery Package, 61 W Kinzie, Chicago, Ill.
Crescent Paper Co., Marseilles, Ill.
Gair Robert Co., 350H Madison av, New York
Hager Straw Board & Paper Co., Xenia, O.
HEWITT C. B. & BROS., INC. (Dealers & Jobbers), 30 Ferry, New York
See adv index at end of book
Indiana Board & Filler Co. (Egg Case Filler), Vincennes, Ind.
Lafayette Box Board & Paper Co., Lafayette, Ind.
Lydall & Foulds Paper Co., Manchester, Conn.
McEwan Bros. (Paper Box Boards), Whippany, N. J.
Mount Vernon Straw Board Co., Mount Vernon, Ind.
Niles Board & Paper Co., Niles, Mich.
Pairpoint Corporation New Bedford, Mass.
Paraffin Co.'s, Inc., 475 Brannan, San Francisco, Cal.
Pemble Wm. & Sons, Stillwater, N. Y.
Rockford Paper Box Board Co., Rockford, Ill.
Rockford Paper Mills, Rockford, Ill.
Terre Haute Paper Co., Terre Haute, Ind.
United Paperboard Co., 171 Madison av, New York

14469— Straw Stackers

Advance Rumely Co. ("Advance," "Gear Scott" Automatic & Pneumatic), Madison & Lincoln Way, La Porte, Ind.
Avery Co. (Automatic, for Threshers), Peoria Ill.
Birdsell Mfg. Co., South Bend, Ind.
Buffalo Pitts Co. ("Russell" Pattern Wind), 27 Carolina, Buffalo, N. Y.
Emerson-Brantingham Co. "E B," "Geiser Peerless," "Reeves" Wind), Rockford, Ill.
Frick Co. (Landis Eclipse Wind), Waynesboro, Pa.
Garden City Feeder Co. ("Pella"), Pella, Ia.
Harrison Machine Works (Pneumatic), Belleville, Ill.
Huber Mfg. Co. (Wind Stackers), Marion, Ohio
Indiana Mfg. Co. ("Farmers' Friend"), Merchants Bank bldg, Indianapolis, Ind.
Nichols & Shepard Co. (Swinging & Wind), Battle Creek, Mich.
Port Huron Engine & Thresher Co. (Pneumatic), Port Huron, Mich.
Russell & Co. (Pneumatic, Swinging & Wind), Massillon, O.
Russell Wind Stacker Co. (Wind), 1001 Shelby, Indianapolis, Ind.
Smith & Sons Mfg. Co., Kansas City, Mo.
South Bend Spark Arrester Co. (Wind Hoods), South Bend, Ind.
Westinghouse Co., Schenectady N. Y.

14470-1—Straws (Soda Water)

Coe Mfg. Co. ("White's" Fluted), 35 Warren, New York
Hygeia Antiseptic Toothpick Co., 160 W 14th, N. Y.
Stone Straw Co., 30 O, N E, Washington, D. C.

14472— Street Sprinkler Wagon Tanks

Acme Road Machinery Co., Frankfort, N. Y.
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
Littleford Bros., 444 E Pearl, Cincinnati, Ohio

14473—Street Sprinkling Carts & Wagons

Abbott Downing Truck & Body Co., Concord, N. H.
Acme Road Machinery Co., Frankfort, N. Y.
Austin Mfg. Co., 910 S Michigan av, Chicago, Ill.
Eagle Tank Co., 2443 Crawford av, Chicago
See adv index at end of book
Etnyre E. D. & Co., Oregon, Ill.
Hvass Chas. & Co., 508 E 19th, New York
Lansing Co. (Carts), Lansing, Mich.
Milburn Wagon Co., Toledo, O.
National Mill & Lumber Co., 5th & Bryant, San Francisco, Cal.
Port Huron Engine & Thresher Co., Port Huron, Mich.
Studebaker Corp., South Bend, Ind.
Universal Road Machinery Co. ("Reliance" Oil Sprayer), Kingston, N. Y.

14474—Stretchers (Box Strap)

American Box Strapping Co., Inc., 313 E 22nd, New York
CARY MFG. CO. ("Cary's"), Nassau & Jay, Brooklyn, N. Y.
See adv index at end of book

14475— Stretchers (Carpet)

Bradley & Farnham ("Bullard," "Knapp") Middlefield, Conn.
Braunsdorf-Mueller Co. (Extension Handle), Elizabeth, N. J.
Judd H. L. Co., 37 Chambers, New York
Kraeuter & Co., 583 13th av, Newark, N. J.
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Mallory C. M., Albion, N. Y.
Osborne C. S. & Co., Box 133, Newark, N. J. *See adv index at end of book*
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Stortz John & Son, 210 Vine, Phila., Pa.
Taylor Mfg. Co. ("Yankee," Stretcher & Tack Holder), 18 Asylum, Hartford, Conn.

14476— Stretchers (Chair)

Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Minton T. W. & Son, Barbourville, Ky.
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book

14477— Stretchers (Curtain)

Acme Mfg. Co. ("Acme"), 1806 East, Pittsburgh, Pa.
Chicago Curtain Stretcher Co. ("No Piece"), 3725 Wall, Chicago, Ill.
Davis John B. ("Ideal"), Clinton, Me.
Holmquist & Co. ("Home-Kissed"), 2558 Armitage av, Chicago, Ill.
Holmquist & Swanson ("National Champion"), Superior & California av, Chicago, Ill.
Reed Evan L. Mfg. Co., Tipton, Danville, Ill.
Steinfeld Bros., 116 W 32d, New York
Wagner Curtain Stretcher Co. ("Dewey"), Greensburg, Pa.

14478—Stretchers (Electric Wire)

Eureka Co., North East, Pa.
Rittenhouse A. E. Co., Honeoye Falls, N.Y.

14479— Stretchers (Glove)

Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
Celluloid Co., 36 Washington pl, New York
ESTES E. B. & SONS, 364 5th av, New York. *See adv index at end of book*
McBride C. L. Mfg. Co. ("McBride" Electric), Toledo, O.

14479a— *Stretchers (Hammock)

Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

14480— Stretchers (Hospital)

Bernstein Mfg. Co. (Wheel), 3d & Allegheny, Phila., Pa.
Channon Jas H. Mfg. Co. ("American," Folding), 227 W Erie, Chicago, Ill.
Dougherty H. D. & Co. ("Faultless"), 17th & Indiana av, Phila., Pa.
Gwin-Flex Stretcher Co. ("Gwin-Flex"), 1715 Folsom, San Francisco, Cal.
Hospital Supply Co., 153 E 23rd, New York
Holzbog Geo. H. & Bro., Jeffersonville, Ind.
Humphrys' R. A. Sons (Folding), 1026 Callowhill, Phila., Pa.
See adv index at end of book
Kny-Scheerer Co. ("Stokes" Splint, Navy, etc.), 119 7th av, New York
Miller Supply Co. (Dlrs.), Huntington, W. Va.
Schoedinger F. O., 346 Mt. Vernon av, Columbus, O.

14481— Stretchers (Shoe)

Anderson A. R. & Co. ("Fitall"), Arlington, N. J.

14482— Stretchers (Wire)

See also Stretchers, Electric Wire

AMERICAN STEEL & WIRE CO. ("Lott," "American," "Double Jack," "A. S. & W."), 208 La Salle, Chicago, Ill. *See adv index at end of book*
American Wire Fence Co. (Wire Fence), 10 S La Salle, Chicago, Ill.
Arcade Mfg. Co., ("Warner," "Dean," "Elwood" & "Little Giant"), Freeport, Ill.
Bridgewater Plow Corp. ("Superior" Wire Fence), Bridgewater, Va.
Burgess & Norton Mfg. Co. ("Bur-Nor," "Zinnis," "Duplex"), Geneva, Ill.
Cyclone Fence Co. ("Cyclone"), Waukegan, Ill.
Cyclone Woven Wire Fence Co. ("Cyclone"), Cleveland, O
Decker Mfg. Co., Keokuk, Iowa
Dwiggins Wire Fence Co. ("Perfection," for Woven Wire Fence), Anderson, Ind.
Elliott & Reid Co. ("Royal," for Woven Wire Fence), Richmond, Ind.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Gulf States Steel Co. (Fence), Birmingham, Ala.
Hohulin Bros. ("Success"), Goodfield, Ill.
Hunt, Helm, Ferris & Co. ("Star," "Knoxall," "Elwood," "Endless," "Dean," "Little Giant," "Self Lock," "Sampson," "Big Giant"), Harvard, Ill.
Interlocking Fence Co. ("Interlocking"), Morton, Ill
Jackson Fence Co. ("Jackson"), Jackson, Mich.
Mason Fence Co. ("Bull Dog"), Leesburg, O.
Michigan Wire Fence Co. ("Church"), Adrian, Mich.
Milwaukee Hay, Tool Co. ("Milwaukee," "Eclipse," "Dandy" Combined Tackle & Stretcher Block), Layton Park, Milwaukee, Wis.
Ney Mfg. Co. ("Ney"), Canton, O.
Northwestern Barb Wire Co. ("Dillon"), Sterling, Ill.
Page Steel & Wire Co. ("Page," New Page), Adrian, Mich.
Peerless Wire Fence Co. ("Lamb"), Adrian, Mich.
Richards-Wilcox Mfg. Co., ("Richards" Tackle Block Self-Locking, "Richards" Continuous & "Giantt"), Aurora, Ill.
See adv index at end of book
Ridgely Trimmer Co., Springfield, O.
Rittenhouse A. E. Co. (For Electric Wire), Honeoye Falls, N. Y.
Smith Hardware & Mfg. Co. ("Franklin," for Woven Wire Fence), De Kalb, Ill.
Smith & Hemenway Co., Inc., 261 H B'way, New York, & 130 H Colt, Irvington, N. J.
See adv index at end of book
Strickler Hay Tool Co., Janesville, Wis.
Townsend F. J. (For Stretching Woven & Barbed Wire Fences), Painted Post, N. Y.
Warren Specialty Mfg. Co. ("Neverslip" Stretcher & Staple Puller), Warren, Ohio
Western Steel & Iron Works ("Western"), De Pere, Wis.
Wheaton C. M. & Co., Sunbury, Ohio
Wrightsville Hardware Co. ("Sure Grip" Fence), Wrightsville, Pa.

14483— Strike Tache

Blymyer Iron Works Co. (Open Steam, with Copper Coils), Cincinnati, O.

14484— Stringers (Fish)

Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.

14485— Stringers (Ham)

Osborne C. S. & Co., Box 133, Newark, N. J. *See adv index at end of book*
Stortz John & Son, 210 Vine, Phila., Pa.
U. S. Needle Concern, 912 W Madison, Chicago, Ill.
Vaughan & Bushnell Mfg. Co., 2114 Carroll av, Chicago, Ill.

14486—Strings (Gut, Tennis Racket, Etc.)

Baumgartner Eugene, P. O. Downers Grove, Westmont, Ill.
Cragin Calhoun (Imp. & Selling Agent), 71 Murray, New York
Slazenger Frank L. (Imp.), 12 E 42d, New York
Wilson Thos. E. & Co., 701 N. Sangamon, Chicago, Ill.

14487— Strings (Hame)

American Lace Leather Co., Richmond, Va.
California Tanning Co., St. Louis, Mo.
Chicago Rawhide Mfg. Co., The, 1307 Elston av, Chicago, Ill.
See adv index at end of book
Hodapp & Miller, Louisville, Ky.
Musgrave Leather Co., 414 N Front, Baltimore, Md.
New York Leather Belting Co. (Rawhide), 33 Warren, New York
Page Belting Co., Concord, N. H.
Schieren Chas. A. Co. (Rawhide), 30 Ferry, New York

14488—Strings (Musical Instrument)

See also Wire (Piano or Music)

Andreas Mfg. Co., Dept. H, Battle Creek, Mich.
Baumgartner Eugene, P. O. Downers Grove, Westmont, Ill.
Cragin Calhoun (Imp. & Selling Agent), 71 Murray, New York
Cronk Horace L. (Violin), Battle Creek, Mich.
Gibson Musical String Co., Belleville, N. J.
National Musical String Co., New Brunswick, N. J.
Pierce Walter S. Co. (Piano Bass), 687 14th, San Francisco, Cal.
Schaff Piano String Co., 2011 Clybourn av, Chicago, Ill.
Standard Steel & Wire Co., 1408 Cortland Chicago, Ill.
Wilson Thos. E. & Co., 727 N Sangamon, Chicago, Ill.

14489— Strippers (Ingot)

Morgan Engineering Co. (Elec. & Hydraulic), Alliance, O.
Taylor-Wilson Mfg. Co. (Hydraulic), McKees Rocks, Pa.
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, O.

14490-1—Strippers (Sugar Cane)

American Mfg. Co. ("Jackson" & "Bess"), Chestnut & Water, Chattanooga, Tenn.

14492— Strips (Batten)

Milwaukee Corrugating Co. ("Milcor"), Milwaukee, Wis.

Strips (Carbon)

See Carbon Mfrs.

14492a—Strips (Monel Metal)

Alloy Metal Wire Co., Grand Central Term., New York
Bruntons, Ltd., Musselburgh, Scotland
Driver-Harris Co. (up to 24 inches wide), Harrison, N. J.
Eagle Brass Foundry Co., 21 Spokane, Seattle, Wash.
Electrical Alloy Co. (up to 1 inch wide), Morristown, N. J., and 906 Bank of Hamilton bldg, Toronto, Ontario
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Pacific Foundry Co., Harrison & 18th, San Francisco, Cal.
Schwartz Mill Sup. Co., Inc., Edward, 520 Toulouse, New Orleans, La.
Steel Sales Corp., 129 S Jefferson, Chicago
Supplee-Biddle Hardware Co., 510 Commerce, Phila., Pa.
Tull Rubber & Sup. Co., J. M., 150 Marietta, Atlanta, Ga.
Whitehead Metal Products Co., 67 Washington N, Boston, Mass.
Whitehead Metal Products Co. of New York, Inc., 261 Canal, New York
Williams & Co., Inc., 901 Pennsylvania av, Pittsburgh, Pa.

14492b— Strips (Resistance)

Electrical Alloy Co. (For all Requirements), Morristown, N. J.

14493— Strips (Roofing)

Bemis Bros. Bag Co., 601 S 4th, St. Louis, Mo.

14493a— Strontium (Bromide)

Dow Chemical Co. (U. S. P. Crystals & Gran), Midland, Mich.
Heyden Chemical Works, 80 5th av, New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.

14493b— Strontium Carbonate

Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Powers-Weightman-Rosengarten Co. (Precipitated), 916H Parrish, Phila., Pa.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

14493c— Strontium Chloride

Dissosway Chemical Co., Inc. (Crystal), 55-63 Eckford, Brooklyn, N. Y.
Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

14493d—Strontium (Nitrate)

DU PONT E. I. DE NEMOURS & CO., INC. (Lithopone, Pigments & Heavy Chemicals Div.), 3500 Grays Ferry rd, Phila., Pa. *See adv index at end of book*
Farmingdale Chemical Works, Inc., Farmingdale, L. I., N. Y.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

Cheney & Company, Inc.

110 West 40th St., New York City

Fibercote Stucco
Weatherproof — Crackproof
Fireproof
Positive protection against time, elements and varying temperatures guaranteed

Kompokore Magnesia Cements
Materials for moulding substitutes of definite specifications

Troegerlith Floors
Dustless — Sanitary — Resilient

Noiseless, Fireproof, Permanent, Durable

14493e— Strontium (Sulphate)

Feote Mineral Co., Inc., 167 18th, Phila, Pa.
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

14494— Stroppers (Razor)

Am. Safety Razor Corp., Jay & Johnson, Brooklyn, N. Y.
Boker Cutlery & Hardware Co., Inc. ("Bokers'" Automatic), 101 Duane, New York
Buffum Tool Co. ("Swastika" Safety Razor), South Side, Louisiana, Mo.
Bumann Mfg. Co. (Safety Razor), Litchfield, Ill.
Burke Mfg. Co., Dayton, O.
Canton Razor Strop Co., Inc. (Automatic), 719 Cook av S W, Canton, O.
Carpenter L. A. Press Metal Co. ("Van"), Cambridge, Mass.
Clauss Shear Co. ("Never Fail"), Fremont, O.
Heimerdinger W. C. (Safety Razor), Louisville, Ky.
Kanner Samuel ("Sterling," "Kanner"), 75 10th, Long Island City, N. Y.
Pullman Mfg. Co. ("Pullman") (Safety Razor), Rochester, N. Y.
Twinplex Sales Co. ("Twinplex," Safety Razor), 1627 Locust, St. Louis, Mo.
Weber-Knapp Co. (Automatic), Jamestown, N. Y.
Zig Zag Sales Co. (Any Safety Blade), 217 W Grand av, Chicago, Ill.
Zinn Edward ("Gillette Blade"), 210 11th av, New York

14495— Strops (Hame)

Badger Handle Co., 415 3rd, Milwaukee, Wis.
Chicago Rawhide Mfg. Co., The, 1307 Elston av, Chicago, Ill.
See adv index at end of book

14496— Strops (Razor)

Allegretti Mfg. Co., Geneva, N. Y.
Bison Mfg. Co., Little Valley, N. Y.
Boker Cutlery & Hardware Co., 101 Duane, New York
Carborundum Co. (Carborundum), Niagara Falls, N. Y.
Case W. R. & Sons Cutlery Co., Bradford, Pa.
Cattaraugus Cutlery Co. ("Cattaraugus"), Little Valley, N. Y.
Droescher S. R. (Imp.), 79 Warren, New York
Geneva Cutlery Co., Geneva, N. Y.
Hemmerdinger John H. & Son, Vandervoort av, Brooklyn, N. Y.
Hollinger Cutlery Co., Fremont, O.
Howard's S. E. Son & Co., 1150 B'way, New York
Illinois Razor Strop Co. ("Sharp-Well"), 2035 Charleston, Chicago, Ill.
Kampfe Bros., 3303 Atlantic av, Brooklyn, N. Y.
Kahnweiler S. B. & Co., 393 Broadway, New York
Korn Geo. W. Razor Mfg. Co., Little Valley, N. Y.
Loveless L. W. Mfg. Co. ("Magic"), Lafayette, Ind.
Pike Mfg. Co., Pike, N. H.
Reppenhagen M. E. Highland Falls, N. Y.
Riordan T. G. Mfg. Co., 3943 Lincoln av, Chicago, Ill.
Robeson Cutlery Co., Rochester, N. Y.
Shull W. A., 142 N 4th, Phila., Pa.
Silberstein A. L., 600 W 157th, New York
Torrence Sales Co., 9 Main, San Francisco, Cal.
Torrey J. R. Razor Co., 804 Park bldg, Worcester, Mass.
Trieschman Luther H., 65 Bissell, Hartford, Conn.
Union Cutlery Co., Olean, N. Y.
Wanacek Strop & Cutlery Co., Fremont, O.
Wasserstrom L. B., 91 Gild, New York
Weber-Knapp Co., Dept. H, Jamestown, N. Y.
Zig Zag Sales Co. ("Zig Zag" Safety), 217 W Grand av, Chicago, Ill.

14497— Structural Steel

See also Steel Structural Work, etc.

Am. Rolling Mill Co., Middletown, Ohio
Belmont Iron Wks., Dept. H, 22d & Washington av, Phila., Pa.
BLAW-KNOX CO., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Bourne-Fuller Co., Hanna bldg, Cleveland, Ohio
Camden Iron Wks., Camden, N. J.
Castle A. M. & Co. ("Castle"), 1132 Blackhawk, Chicago, Ill.
Dalgle Iron Works, 1967 W Lafayette, Detroit, Mich.
FISHEL & MARKS CO., ft. of Krakow av, Cleveland, Ohio
See adv index at end of book
Fort Wayne Iron Steel Rolling Mills (Small size), W Taylor, Ft. Wayne, Ind.
Frank M. K., 917H Frick bldg, Pittsburgh, Pa.
Illinois Steel Co., 208 S LaSalle, Chicago
International Steel & Iron Co., Inc., 1243 Edgar, Evansville, Ind.
Janney & Co., Montgomery, Ala.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
LEAKE A. G. ERECTING CO. INC., THE (Fabricators & Erectors), Ash & Holland av, Bridgeport, Conn.
Llewellyn Iron Works, 1200 N Main, Los Angeles, Cal.
Lyons F. P. Iron Works, Inc., Manchester, N. H.
New England Tank & Tower Co., 42 Main, Everett, Mass.
New Haven Boiler Works, Inc., 37 Mill, New Haven, Conn.
Oil City Iron Works, Corsicana, Tex.
Penn Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.
Pidgeon-Thomas Iron Co., Memphis, Tenn.
Pittsburgh-Des Moines Steel Co., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Pullinger Geo. S. Co., E. Stroudsburg, Pa.
RYERSON JOS. T. & SON, INC. (Merchants), 2558 W. 16th, Chicago, Ill.
See adv index at end of book
SMITH DAVID H. & SONS, Foot of 51st, Brooklyn, N. Y.
See adv index at end of book

DAVID H. SMITH & SONS, Inc.

Foot of 51st Street
BROOKLYN, N. Y.
Established 1893

Large and Complete Stocks
Immediate Shipments from Warehouse

Stupp Bros. Bridge & Iron Co., H, Frisco bldg, St. Louis, Mo.
Union Iron & Steel Co., 1610 Reading rd, Cincinnati, O.
Van Dorn Iron Works Co. (The), 2700 E 79th, Cleveland, Ohio
See adv index at end of book
Vulcan Mfg. Co., 1200 4th av, So. Seattle, Wash.
Weaver Frank M., Dept. H, Lansdale, Pa.
West Side Structural Co., Troy, N. Y.
Wilson Co., Greenville, S. C.

14497a— Struts (Pole)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

14497b— Strychnine

Abbott Laboratories, 4753 Ravenswood av, Chicago, Ill.
Mallinckrodt Chemical Works, 2nd & Mallinckridt, St. Louis, Mo.
See adv index at end of book
New York Quinine & Chemical Works, 152 Williams, New York
Pfizer Chas. & Co. (All Forms), 81 Maiden lane, New York
Powers - Weightman - Rossengarten Co., Phila., Pa.

14498— Stucco Boards

Alhambra Stucco Co., 430 11th, San Francisco, Cal.
Bishopric Mfg. Co. ("Bishopric" Fireproof Stucco & Stucco Bases), 5 Este av, Cincinnati, Ohio
Torrence Sales Co., 103 Main, San Francisco, Cal.

14498a— *Stucco Dash

New York Pyrites Co., Inc., 25 Broad, New York

14499— Stucco Mfrs.

Acme Cement Plaster Co. ("Mission," "Apex"), Frisco bldg, St. Louis, Mo.
American Gypsum Co., Cleveland, O.
American Magnestone Corp. ("Red-E-All"), Springfield, Ill.
American Materials Co. (Magnesite), 101 Park av, New York
B. & J. Concrete Products Co. ("B. & J."), Red Oak, Iowa
Bishopric Mfg. Co. ("Bishopric"), 5 Este av, Cincinnati, Ohio
Blue Diamond Materials Co., Inc. ("Blue Diamond"), 2200 E 16th, Los Angeles, Cal.
California Stucco Products Co., 1501 S Alameda, Los Angeles, Cal.
Cardiff Gypsum Plaster Co., Fort Dodge, Ia.
CHENEY & CO., INC. ("Fibercote"), 110 W 40th, New York
See adv index at end of book
Cleveland Bldrs.' Supply & Brick Co. ("Klingstone"), H Leader News Bldg, Cleveland, O.
Colorado Concrete Mfg. Co., Colorado Springs, Col.
Consolidated Expanded Metal Co., Braddock, Pa.
De Smet Quartz Tile Co. (Colored), 133 W Washington, Chicago, Ill.
Dorite Mfg. Co. ("Dorite" Magnesite), 116 Utah, San Francisco, Cal.
Durlite Co., Inc., Chula Vista, Cal.
Empire Gypsum Co., Garbutt, N. Y.
Golden Gate Bldg. Material Co., 540 8th, San Francsco, Cal.
Grand Rapids Plaster Co., Grand Rapids, Mich.
Hawkey Feldstone Co., Mead, Spokane, Wash.
Heff Magnesite Co. ("Hoffite Asbestos"), 233 Monadnock bldg, San Francisco, Cal.
Insulite Products Co., Inc., 240 Salmon, Portland, Ore.
Lycoming Calcining Co., Williamsport, Pa.
McCleanahan Products Co., Inc. ("Mpco"), 112 Kearny, San Francisco, Cal.
Martin Co. ("Mission"), 1265 Battery, San Francisco, Cal.
Miller & Coulson (Dealer), 5743 Ellsworth av, Pittsburgh, Pa.
Moulding Thomas Brick Co. ("Moulstone"), 133H W Washington, Chicago, Ill.
National Kellastone Co. ("Kellastone"), 155 E Superior, Chicago, Ill.
National Steel Fabric Co. ("National"), 706 Union Arcade, Pittsburgh, Pa.
Niagara Gypsum Co. ("Niagara"), 597 Michigan, Buffalo, N. Y.
Plastic Rok Co. ("Plastic-Rok"), Springfield, Ohio
Plymouth Gypsum Co., Fort Dodge, Ia.
Raecolith Flooring Co., 2-8 Hanford, Seattle, Wash.
Reeb M. A. Corp, 599 Michigan av, Buffalo, N. Y.
Ritestone Products Corp., Westchester av & Bronx River, New York
Roc Bond Co. ("Rocbond"), Wren, O.
Rock Plaster Mfg. Co., Erie R. R. & 150th, New York
Southern Gypsum Co., North Holston, Va.
Special Service Flooring Corp., 2009 Grand Central Terminal, New York
Stockton Mineral Products Co., Van Buren, Stockton, Cal.

(Continued on following page)

Stucco Mfrs.—Continued

United States Gypsum Co., 205 W Monroe, Chicago, Ill.
Universal Silicate Stucco Co., 2607 W 7th, Los Angeles, Cal.
Wasem Paster Co., Fort Dodge, Ia.
White Star Plaster Co., 606 S Hill, Los Angeles, Cal.

14500— Stucco Retarder

National Retarder Co., Port Clinton, O.
United States Gypsum Co., 205 W Monroe, Chicago, Ill.

14501-2— Stucco Work

ANCHOR BUILDING CO., Elizabeth, N. J.
See adv index at end of book
Architectural Decorating Co., 1600 S Jefferson, Chicago, Ill.
Caproni P. P. & Bro., 1914 Washington, Boston, Mass.
Carver V. G., 2008 E Taylor, Portland, Ore.
CHENEY & CO., INC., 110 W 40th, New York *See adv index at end of book*
Emmel Chas. & Rose Co., 383 Albany, Boston, Mass.
De Smet Quartz Tile Co. (Colored), 133 W Washington, Chicago, Ill.
Dorite Mfg. Co., 116 Utah, San Francisco, Cal.
Emmel Co. (Ornamental), 81 Bristol, Boston, Mass.
Fischer & Jirouch Co., 4821 Superior av, Cleveland, O.
Forman Geo. A., 654 Gates av, Brooklyn, N. Y.
Klee-Thomson Co., 327 E 40th, New York
Maltby W. H. & Sons, Corning, N. Y.
MacGruen & Simpson, 266 Tehama, San Francisco, Cal.
Newell-Mueller Co., 291 Hawthorne, Portland, Ore.
Schneider F. H., 631 W Belden av, Syracuse, N. Y.
Seifert Frank A., Plastic Relief Co., 5139 Maple, St. Louis, Mo.
Stone Tone Stucco Co., Exchange bldg, Portland, Ore.
Van Malderen F., 5th & Jumonville, Pittsburgh, Pa.
Voigt Co., 1743-1749 N 12th, Phila., Pa.

14503—Studding ("Gypsteel")

Keystone Fire-Proofing Co., American bldg, Phila., Pa.

14504—Studs (Electric Fixture)

Appleton Electric Co., Wellington & Paulina, Chicago, Ill.
Barlow Foundry Co., 551 N. J. R. R. av, Newark, N. J.
Bonnell W. A., 192 Chambers, New York
Colgan Wm. H. Co. ("Rex"), W Newton, Mass.
Curtis Screw Works, Buffalo, N. Y.
Fralick S. R. & Co. ("Kwikon" & "No-Bolt"), 15 S Clinton, Chicago, Ill.
Gleason James & Co., 515 W Jackson blvd, Chicago, Ill.
Grabler Mfg. Co., Cleveland, O.
Liberty Machine Co., Dept. H, Wamvatosa, Wis.
Macallen Co., 16 Macallen, South Boston, Mass.
National Metal Molding Co. ("National" Stamp Steel), 1110 Fulton bldg, Pittsburgh, Pa.
Rattan Mfg. Co. ("R. M. C."), 552H State, New Haven, Conn.
Steel City Electric Co. ("Star"), 1307 Columbus av, Pittsburgh, Pa.
Thomas & Betts Co., 63 Vesey, New York

14505— Studs (Harness)

Buda Co. ("Volcano," "Giant" Caboose & Station), Harvey, Ill.

14506— Studs (Lacing)

General Mfg. Co., Waterbury, Conn.
Manufacturers' Belt Hook Co. ("L-X," "Blades," "Climax" Gunmetal, "20th Century" Steel Belt), 1321 W Congress, Chicago, Ill.
STIMPSON EDWIN B. CO., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Tubular Rivet & Stud Co., 87 Lincoln, Boston, Mass.

14507— Studs (Metal)

BELL DAVID CO., INC. (THE), 1555 Fillmore av, Buffalo, N. Y.
See adv index at end of book
Berger Mfg. Co. ("Berloy"), 1038 Belden av, Canton, O.
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
Collins-Steel Studding Co., Douglas bldg, Los Angeles, Cal.
Detroit Screw Works, 1477 Atwater E, Detroit, Mich.
Knapp Bros. Mfg. Co. (for Plaster Fireproof Partitions), 2419 W 14th, Chicago, Ill.
Pawtucket Screw Co., 143 Hughes av, Pawtucket, R. I.
Progressive Mfg. Co., Torrington, Conn.
Rochester Machine Screw Co., 15 Caledonia av, Rochester, N. Y.
St. Louis Screw Co. (Brass & Bronze), Clarence av E, St. Louis, Mo.
Townsend Co. (Rim), New Brighton, Pa.
See adv index at end of book
Truscon Steel Co. (Truscon Building Products), Youngstown, O.
Waltham Screw Co., Waltham, Mass.
Wheeling Machine Products Co., Main & 20th, Wheeling, W. Va.
Youngstown Pressed Steel Co. (For Furring, etc.), Warren, O.
See adv index at end of book
Zeigler Mfg. Co., Alexandria, Ind.

14508— Studs (Milled Iron)

Babson, Dow Mfg. Co., 60 Fulda, Boston, Mass.
Bethlehem Steel Co., So Bethlehem, Pa.
BLAKE & JOHNSON CO., 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
Bonney Forge & Tool Works, Liegham, Allentown, Pa.
Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
Cincinnati Screw Co., Twightwee, Cincinnati, O.
Cleveland Wrought Products Co., W. 58th & W. & L. E. Belt Line, Cleveland, O.
Corbin Screw Corporation New Britain, Conn.
Coulter-Curtis Screw Co., Inc., 1150 Niagara, Buffalo, N. Y.
Curtis Screw Works, Buffalo, N. Y.
Detroit Screw Works, 1477 Atwater E, Detroit, Mich.
Ferry Cap & Set Screw Co., Cleveland, O.
Hartford Machine Screw Co., Hartford, Conn.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hill-Smith Metal Goods Co., 102 Brookline av, Boston, Mass.
Hope Wm. H. Co., Lowell, Mass.
Hopedale Mfg. Co., Milford, Mass.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
National Sewing Machine Co., Belvedere, Ill.
Niagara Screw Co., 20 Lock, Buffalo, N. Y.
Pawtucket Mfg. Co., Pawtucket, R. I.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Rhode Island Tool Co., Providence, R. I.
Rochester Machine Screw Co., 15 Caledonia av, Rochester, N. Y.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
Western Screw Mfg. Co., 4419 W Kinzie, Chicago, Ill.
Wheeling Metal Products Co., Main & 20th, Wheeling, W. Va.
See adv index at end of book
Zeigler Mfg. Co., Alexandria, Ind.

14509— Stuffers (Sausage)

Enterprise Mfg. Co. of Pa., 3d & Dauphin, Phila., Pa.
Landers, Frary & Clark, New Britain, Conn.
Murray Iron Works Co., Central av & Washington, Burlington, Ia.
National Specialty Mfg. Co., 3d av & Lehigh, Phila., Pa.
Peck, Stow & Wilcox Co. ("Perry" Pattern), Southington, Conn.
Rock Island Mfg. Co., Rock Island, Ill.
Sargent & Co. ("Perry" Pattern), New Haven, Conn.
Silver Mfg. Co. ("Wagner"), No. 256, Salem, O.
Smith's John E. Sons Co., Buffalo, N. Y.
Union Machine Works & Iron Foundry ("Union"), 1821 S Water, Phila., Pa.
Wolf, Sayer & Heller (Wolf Peerless), Fulton & Peoria, Chicago, Ill.

Submarine Armor

See Diving Apparatus

14509a— Substitutes (Marble)

Vitrolite Co., Chamber of Commerce, Chicago, Ill.

14510—Substitutes (Stained Glass)

Parrish S. H. & Co., 308 N Erie, Chicago
Quaile Wm. B. ("Glacier Seccotine") 405 Lexington av, New York
Ross W. A. & Bro. ("Glacier Imp), 11 S William, New York
Windowphanie Co. ("Windowphanie" Translucent Glass Decorations), 19 E 14th, New York

Suckers (Soot)

See Cleaners, Boiler Flue & Tube

14510a—Suction Draft System

Schutte & Koerting Co., 1251 N 12th, Phila., Pa. *See adv index at end of book*

14510b— Sugar Cloth

Atlantic Jute Mills ("Atlas" Bag), Norfolk, Va.
Cleveland Wire Cloth Mfg. Co., 3574 E 78th, Cleveland, O.
See adv index at end of book
Newark Wire Cloth Co., 223 Verona av, Newark, N. J.
Wayte W. J., Inc. (Dirs.), 5844 Grand Central Terminal, New York

14511—Sugar Plant Construction (Beet, Cane & Refinery)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Dibert Bancroft & Ross Co., Ltd., Tulane & Hagan av, New Orleans, La.
Dyer Co., 2031 Euclid av, Cleveland, O.
Honolulu Iron Works Co. (Cane), 233 Broadway, New York
Kelvin Engng. Co., 106 Front, New York
Kilby Mfg. Co., 4623 Lakeside av, Cleveland, O.
Murphy Iron Works (Cane), 643 Magazine, New Orleans, La.
Stearns-Roger Mfg. Co., 1720 California, Denver, Col.
Von Phul Gilbert D. (Cane & Beet), Carondelet bldg, New Orleans, La.

14512— Sugar Refineries

Alameda Sugar Co. ("Snowman" Beet), Balfour bldg, San Francisco, Cal.
Amalgamated Sugar Co. (Beet), Ogden, Utah
Amer. Beet Sugar Co., Denver, Col.
American Sugar Refining Co., 117 Wall, New York. Refineries: Brooklyn, N. Y., & Jersey City, N. J.
Arbuckle Bros., 70 Water, New York
California & Hawaiian Sugar Refining Co. (Cane), Matson bldg, San Francisco, Cal.
Chaparra Sugar Co. (Cane), 129 Front, New York
Clinton Corn Sugar Refining Co. ("Clinton"), Clinton, Ia.
Colonial Sugar Co., 129H Front, New York
Columbia Sugar Co. (Beet Sugar), Bay City, Mich.
Continental Sugar Co. (Beet), Toledo, O. Factories at Findlay, O.; Fremont, O., & Blissfield, Mich.
Corn Products Refining Co., 17 Battery pl. New York. Refineries: Argo, Ill., Davenport, Ia., Edgewater, N. J.; Granite City, Ill.
Federal Sugar Refining Co., 91 Wall, New York. Refineries: Yonkers, N. Y.
Franklin Sugar Refining Co., 125 S Orianna, Phila., Pa.
Great Western Sugar Co. (Beet), Denver, Colo.
Guantanamo Sugar Co., 129 Front, New York
Holland-St. Louis Sugar Co. (Beet), Holland, Mich.
Honolulu Plantation Co., Hooker & Lent bldg, San Francisco, Cal., & Honolulu, T. H.
Imperial Sugar Co., Sugarland, Tex.
Iowa Sugar Co. (Beet), Waverly, Ia.
Lockport Central Sugar Refining Co., Lockport, La.
Long Syrup Refining Co., 16th & Division, San Francisco, Cal.
Los Alamitos Sugar Co., Los Alamitos, Cal.
McCahan W. J. Sugar Refining Co., Chestnut & Front, Phila., Pa.
Menominee River Sugar Co. (Beet), Menominee, Mich.
Mercedita Sugar Co., 129 Front, New York
Michigan Sugar Co. (Beet), Saginaw, Mich.
Miles Planting & Mfg. Co., Burnside, La.
Mount Clemens Sugar Co. (Beet), Mount Clemens, Mich.
National Sugar Mfg. Co. (Beet), Sugar City, Colo.
National Sugar Refining Co., 129 Front, New York. Refineries: Yonkers, N. Y., Long Island, N. Y., & Brooklyn, N. Y.
North Kensington Refinery (Malto-Dextrine), 214 E 22d, New York
Owosso Sugar Co. (Beet), Owosso, Mich.
Revere Sugar Refinery 15 Broad, Boston, Mass.
Rock County Sugar Co. (Beet) Eastern av, Janesville, Wis.
Sacramento Valley Sugar Co., Los Angeles, Cal. Refineries: Hamilton, Cal.
Salesburg Refining Co., Ltd., Lauderdale, La.
Spreckels Sugar Co., 2 Pine, San Francisco, Cal.
Standard Refining Co. (Brewing Syrups), 217 West, New York
Toledo Sugar Co., Toledo, O.
Union Sugar Co. ("Snowman" Beet), Balfour bldg, San Francisco, Cal.
United States Sugar Co. (Beet Sugar), Madison, Wis.
Utah-Idaho Sugar Co., Salt Lake City, Utah
Warner Sugar Refining Co., 79 Wall, New York
West Bay City Sugar Co. (Beet), West Bay City, Mich.
Western Sugar Refining Co., 2 Pine, San Francisco, Cal.

14513-7—Sulphate of Ammonia

American Agricultural Chemical Co., 1 Rector, New York
Am. Cyanamid Co., 511 5th av, New York
Armour Fertilizer Works, U. S. Yards, Chicago, Ill.
Ashcraft-Wilkinson Co., Atlanta, Ga.
Barrett Co., 40 Rector, New York
Bethlehem Steel Co., Bethlehem, Pa.

Buffalo Fertilizer Works, Mutual Life bldg, Buffalo, N. Y.
Cooper Chas. & Co., 194 Worth, New York
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Lang J. M. & Co. (Brokers), Savannah, Ga.
Lennig Chas. & Co., 40 North Front, Phila., Pa.
Lewis F. J. Mfg. Co. (& Bengol), Moline, Ill.
Listers Agr'l Chemical Works, 2 Rector, New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merrimac Chemical Co., 148 State, Boston, Mass.
Peters White & Co. (Importers), 111 William, New York
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Semet Solvay Co., Syracuse, N. Y.
Tennant C. Sons & Co. of N. Y. (Importers), 19 W 44th, New York
Virginia-Carolina Chemical Co., 11 S 12th, Richmond, Va.
Walter Edw. J. Co. (Brokers), American bldg, Baltimore, Md.
White Thos. H. & Co. (Brokers), 11 S Gay, Baltimore, Md.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

14518-19-20— Sulphate of Zinc

American Metal Co., 61 B'way, New York
Cooper & Cooper, Inc., 23H Cliff, New York
Domestic Chemical Corp., Maspeth & Gardner avs, B'klyn, N. Y.
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Innis Speiden & Co. Inc., 46 Cliff, New York
International Minerals & Metals Corp., 61H Broadway, New York
Mallinckrodt Chemical Works, 2nd & Mallinchrodt, St. Louis, Mo.
See adv index at end of book
Munning A. P. & Co., Matawan, N. J.
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Sandoval Zinc Co., 410 N Peoria, Chicago, Ill.
Wagner Chas. A. Co., Inc., 810 Noble, Philadelphia, Pa.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

14521—Sulphite Plant Equipment

Amos Chas. & Co., Inc., 3000 Hart av, Detroit, Mich.
Honolulu Iron Works Co., 233 Broadway, New York
Stebbins Engineering & Mfg. Co., Watertown, N. Y.

14522— Sulphite Pulp

Brown Company (Bleached & Unbleached), Portland, Me.
Cherry River Paper Co., Pennsylvania bldg, Phila., Pa.
Detroit Sulphite Pulp & Paper Co., 2607 W Jefferson, Detroit, Mich.
Mount Tom Sulphite Pulp Co. (Bleached), 50 State, Boston, Mass.
Nekoosa-Edwards Paper Co., Port Edwards, Wis.
Oxford Paper Co. (Bleached), 200 Fifth av, New York
Parsons Pulp & Lumber Co. (Spruce, Bleached & Unbleached), Finance bldg, Phila., Pa.
Sergeant E. M. Co., 131 Cedar, New York
Union Bag & Paper Corp., 233 B'way, New York

14523— Sulphocarbolates

Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park pl, New York

14523a— Sulphonators

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

14523b— Sulphur

Riddle Chemical Co., 35 S Dearborn, Chicago, Ill.
See adv index at end of book

14523c— Sulphur Chloride

Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

14524— Sulphur Apparatus

Blymyer Iron Works Co., Cincinnati, O.
Knott L. E. Apparatus Co. ("Jenkins" Determination), 79 Amherst, Cambridge, Mass.
Western Gas Construction Co., 1431 Buchanan, Fort Wayne, Ind.

14525— Sulphur Dioxide

Ansul Chemical Co. (Liquid), Marinette, Wis.
Cooper Chas. & Co. (Liquid), 194 Worth, New York
King Chemical Co., Bound Brook, N. J.
Virginia Smelting Co. (Liquid), West Norfolk, Va.

14526— Sulphur Flour

Cooper Chas. & Co., 194H Worth, New York
Cooper & Cooper, Inc., 23H Cliff, New York
Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Mechling Bros. Mfg. Co., Camden, N. J.
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Riddle Chemical Co. (Light & Sublimed Light, also Refined & Commercial), 35 S Dearborn, Chicago, Ill.
See adv index at end of book
San Francisco Sulphur Co. ("Anchor," Eagle"), 624 California, San Francisco, Cal.
Southern Acid & Sulphur Co., Rialto bldg, St. Louis, Mo.

14526a— Sulphur Flowers

Cooper Chas. & Co., 194 Worth, New York
General Chemical Co., 40 Rector, New New York
Powers Weightman Rosengarten Co., 916 Parrish, Phila., Pa.
Southern Acid & Sulphur Co., Rialto bldg, St. Louis, Mo.
White T. & S. C. Co., 100 William, New York
Wiarda John C. & Co. (Ground & in Roll), 83 Provost, Brooklyn, N. Y.
See adv index at end of book

14527— Sulphur (Refined)

Battelle & Renwick ("Brooklyn"), 80 Maiden la, New York
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
White T. & S. C. Co. ("Bergenport"), 100 William, New York

14528— Sulphur & Brimstone

Baker H. J. & Bro. (Imp.), 81 Fulton, New York
Battelle & Renwick (Flour, Sublimed & Roll), 80 Maiden la, New York
Doggett Stanley (Imp.), 11 Cliff, New York
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Fraser F. A. Co., 202 Davis, San Francisco, Cal.
General Chemical Co. (Roll Brimstone Flour & Flowers of Sulphur), 40 Rector, New York
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Hollingworth & Peterson, Lafayette bl, Phila., Pa.
Iron & Ore Corp. (Imp.), 11 Broadway, New York
Lang J. M. & Co. (Brokers), Savannah, Ga.
Mechling Bros. Mfg. Co. (Powdered), Camden, N. J.
Nassau Sulphur Wks., 92 William, New York
National Sulphur Co., 80 Maiden la, New York
San Francisco Sulphur Co. ("Eagle" & "Anchor" Sulphur), 624 California, San Francisco, Cal.
Southern Acid & Sulphur Co. (Ground Sulphur), Rialto bldg, St. Louis, Mo.
Staufer Chemical Co. ("Anchor," "Eagle"), 624 California, San Francisco, Cal.
Superno Co., Inc., 52 B'way, New York
Texas Gulf Sulphur Co., 47 E 42d, New York
Thomson Chemical Co., Race & Winder, Baltimore, Md.
Union Sulphur Co. (High Grade Brimstone), 33 Rector, New York; Mines, Calcasieu, La.
Vitro Manfg. Co. (Sulphur), H Bessemer bldg, Pittsburgh, Pa.
Western Sulphur Co., 1 Drumm, San Francisco, Cal.
White T. & S. C. Co. ("Bergenport" Sublime Flowers & Flour), 100 William, New York
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

14528a—Sulphur & Brimstone (Crude)

Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Parson & Petit (Selling Agents), 63 Beaver, New York
Union Sulphur Co. (Sulphur Only), 33 Rector, New York
Western Sulphur Co., 1 Drumm, San Francisco, Cal.

Sulphuric Acid

See Nitre Cake, also Acid, Sulphuric

14528b—*Sulphuric Acid Apparatus

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

14528c—*Sulphuric Acid Recovering Apparatus

Buffalo Foundry & Machine Co., 65 Winchester, Buffalo, N. Y.
See adv index at end of book

14529— Sumac

Androvette & Townsend (Sicily) (Imp.), 277 Water, New York
Baker W. W. Tanning Co., Hallsboro, Va.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Innis, Speiden & Co., Inc., 46 Cliff, New York
Klipstein A. & Co. (Ground, Imp.), 644 Greenwich, New York
Leyland Thos. & Co., Readville, Boston, Mass.
Marden, Orth & Hastings Co. (Imp. Sicily), 136 Liberty, New York
Moore, Warner & Co., 17th, Richmond, Va.
Sergeant E. M. Co., 131 Cedar, New York
Tennant C. Sons & Co. of N. Y. (Imported), 19 W 44th, New York
Whittemore-Wright Co. (Sicily) & Virginia), Charlestown, Boston Mass.

14530—Summer Houses or Arbors

Anchor Post Iron Works, 50 Church, New York. *See adv index at end of book*
Hartmann-Sanders Co., 2155 Elston av, Chicago, Ill.
Meyers Fred. J. Mfg. Co., Hamilton, O.
North Shore Ferneries Co., Beverly, Mass.
Togan Stiles, Grand Rapids, Mich.

14531— Sun Dials

Erkins Studios, 227 Lexington av, New York
Gardam Wm. & Son, 114 Park pl, New York
Gorham Co. Arch'l Bronze (Bronze), 5th av & 36th, New York. Works: Providence, R. I.
Janusch Mfg. Co., 290 E 135th, New York
Jones M. D. Co., Concord Junction, Mass.
Jordan Adolph M., 607 Walnut, Cincinnati, Ohio
Mitchell-Bissell Co., 334 4th av, New York
Rostand Mfg. Co. ("Rostand," Bronze). Milford, Conn.

14531a— Sun Frames

Pease C. F. Co., 320 N Franklin, Chicago, Ill.

14532—Sun & Heliographic Printing

Amsler Blue Print Co., 30 Church, New York
Keuffel & Esser Co., Hoboken, N. J.

14533—Superheaters (Steam)

BABCOCK & WILCOX CO. (THE), 85 Liberty, New York
Dravo Co., 650 Lawton, Milwaukee, Wis.
Heine Boiler Co., 5319 Marcus av, St. Louis, Mo.
Hussey, McCann & Co., 87 Warren, New York
Power Specialty Co. ("Foster"), 111 B'way, New York

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For Stationary and Marine Boilers

A necessity for turbine and engine economy, for protection from boiler priming or condensation in steam supply, and for obtaining the full and lasting benefits of superheat at lowest maintenance expense. Made in several types for industrial, power, reheating and experimental purposes. Foster Economizers also improve fuel economy with negligible maintenance expense.

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Thacher Propeller & Foundry Corp., Albany, N. Y.
United Gas Improvement Co. ("Standard Double"), Broad & Arch, Phila., Pa.
Westinghouse Electric Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

14534— Superphosphates

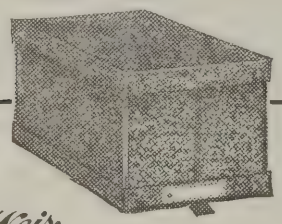
American Agricultural Chemical Co. (Concentrated), 2 Rector, New York
Asheraft Wilkinson Co., Atlanta, Ga.
Mountain Copper Co. Ltd. ("Mococo"), 333 Pine, San Francisco, Cal.
Union Superphosphate Co., 343 Sansome, San Francisco, Cal.
Virginia-Carolina Chemical Co. (Of all Grades), Richmond, Va.

Supplies (Bowling Alley)

See Balls, Bowling, Wood

14534a— *Supplies (Office)

WEIS MFG. CO., THE, Monroe, Mich.
See adv index at end of book



Weis

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132 Union Street, Monroe, Michigan
A. H. Denny, Inc., 52 Park Place, New York

14535—Supports (Bus Bar & High Tension, Etc.)

Alherene Stone Co. (Soapstone), 153 W 23rd, New York
Bowie Switch Co., 14 Montgomery, San Francisco, Cal.
Delta-Star Electric Co., 2437 Fulton, Chicago, Ill.
Efficiency Electric Co. (Adjustable Bus), E. Palestine, Ohio
Electric Power Equipment Corp., 412 N 18th, Philadelphia, Pa.
Electrical Development & Machine Co., 221 N 23rd, Phila., Pa.
Memco Engrg. & Mfg. Co., 30 Church, New York

14536—Supports (Carriage Top)

Essex Brass Foundry Co. ("Essex"), Cambridge, Mass.

14537— Supports (Cask)

Grimm Iron Works, Cincinnati, O.

14538—Supports (Cross Arm)

Hallett Iron Works ("Hallett Steel Gains"), Harvey, Ill.
Illinois Malleable Iron Co., 1801 Diversey blvd, Chicago, Ill.
See adv index at end of book

14539—Supports (Desk & Table)

Grand Rapids Brass Co. (Desk Lids), Grand Rapids, Mich.
Waterbury Mfg. Co., Division Chase Companies, Inc., Waterbury, Conn.
Weber-Knapp Co., Jamestown, N. Y.

14540— Supports (Partition)

Auer Jol... Jr. (Wrought), 197 Middleton, Brooklyn, N. Y.

14540a— Supports (Pipe)

Kelly & Jones Co., Greensburg, Pa.
See adv index at end of book

14541— Supports (Porch)

Enterprise Hardware Mfg. Co., Frederick, Md.
Gray Iron Foundry Co. (Japanned), Cast Iron), Reading, Pa.
Indiana Hollow Ware Co. (Cast Iron Coppered), Jeffersonville, Ind.
Williams A. C. Co. (Japanned), Ravenna, Ohio

14542— Supports (Rein)

Frazer & Jones Co. (Hip Strap), Syracuse, N. Y.
Searls Mfg. Co., 29 Mulberry, Newark, N. J.

14543— Supports (Shelf)

Coleman Hdwe. Co., 952 N Michigan av, Chicago, Ill.
Corbin P. & F., New Britain, Conn.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Grand Rapids Brass Co., Grand Rapids, Mich.
Grey Iron Casting Co. (For Adjusting Shelves), Mt. Joy, Pa.
Hardware Supply Co., Grand Rapids, Mich.
Johnston J. D. (Shelf Pins), Newport, R. I.
Keystone Friction Hinge Co., Williamsport, Pa.
National Lock Co. (Library Bookcase, etc), Rockford, Ill.
Reading Hardware Co., Reading, Pa.
Sargent & Co., New Haven, Conn.
Weber-Knapp Co. (Brass Plated), Jamestown, N. Y.

14544—Supports (Telegraph Poles)

Columbus Handle & Tool Co., Columbus, Ind.
Dicke Tool Co., Downers Grove, Ill.
Meckel Fred L., 11 E 13th, Chicago, Ill.

14545—Supports (Wagon Tongue)

Harvey Spring & Forging Co. ("Lindquist"), Racine, Wis.

14546— Surcingles

Buffalo Weaving & Belting Co., 215 Chandler, Buffalo, N. Y.
Langstroth T. W., 77 Warren, New York
Russell Mfg. Co. ("Rusco"), Dept. H, Middletown, Conn.

14547-8—Surfacers (Metal)

Atlas Railway Supply Co., 431 S Dearborn, Chicago, Ill.
Ditzler Color Co. (For automobiles), 40 Baltimore av W, Detroit, Mich.
Peckham Mfg. Co. (For Dry Barrel Polishing), 244 South, Newark, N. J.
St. Louis Surfacer & Paint Co. ("Metalsteel"), Arlington & Terminal Belt Line, St. Louis, Mo.

Surveyors' Instruments

See Engineering & Surveying Instruments

14549— Swabs (Molders')

Dobson, Wm., 209 Spencer, Canastota, N. Y.

14549a— Swabs (Piston)

Ashton Valve Co., 161 1st, Boston, Mass.

14550— Swage Blocks

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Fisher & Norris, Trenton, N. J.
Grace C. M. & Co., Huntsville, Ala.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Indiana Foundry Co., Indiana, Pa.
Noyes B. B. Co. ("Little Gaint," also Combined Swage Blocks & Mandrels), Greenfield, Mass.
South Bend Foundry Co. (Cast Iron), South Bend, Ind.
Southern Skein & Foundry Co., The, E. Lake, Chattanooga, Tenn.
Swett A. L. Iron Works, Medina, N. Y.

14551— Swages (Saw)

Armstrong Mfg. Co., 2 2d, Portland, Ore.
Atkins E. C. & Co. ("Ideal" & "Pribnow"), 402 S Illinois, Indianapolis, Ind.
Covel Mfg. Co., Benton Harbor, Mich.
Crowell D. J., 61 Terrace, Buffalo, N. Y.
Disston Henry & Sons (Inc.), Tacony, Phila., Pa.
Emerson Smith & Co. (Solid Steel), Beaver, Pa.
Gerlach Peter Co., 1712H Winter, Cleveland, Ohio
Guarantee Mfg. Co., 2923 1st av S, Seattle, Wash.
Hanchett Swage Works (Adjustable Foot Circular Saws, etc), Big Rapids, Mich.
Hinds Thos. Co., Malone, N. Y.
Hoe R. & Co., 504 Grand, New York
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Phoenix Mfg. Co. ("White" Phoenix"), Eau Claire, Wis.
Pribnow Swage & Tool Works ("Pribnow"), Mellen, Wis.
Rogers Samuel C. & Co., 10 Lock, Buffalo, N. Y.
Simonds Saw & Steel Co., 470 Main, Fitchburg, Mass.
White A. E. Machine Works ("Champion"), Eau Claire, Wis.

14552— Swages (Toe Calk)

Iron City Tool Works (Ltd.), 3201 Smallman, Pittsburgh, Pa.

14553—Swages (Top, Bottom, Etc.)

Beall Bros., Alton, Ill.
Champion Tool Co. ("Champion"), Meadville, Pa.
Evansville Tool Works, Evansville, Ind.
Heller Bros. Co., 879 Mt. Prospect av, Newark, N. J.
Iron City Tool Works (Ltd.) (Tin Plate, Cushion, Tire, Channel, Collar, etc), 3201 Smallman, Pittsburgh, Pa.
Stanley Rule & Level Co. (Atha Division), New Britain, Conn.
Vaughan & Bushnell Mfg. Co. ("V. & B."), 2114 Carroll av, Chicago, Ill.

14554-5—Sweaters, Cardigans, Etc.

Albany Knitting Co., Albany, N. Y.
American Hosiery Co., New Britain, Conn.
American Knitting Co., Waltham, Mass.
American Knitting Co., Honesdale, Pa.
American Knitting Mills, Central Trust bldg, Phila., Pa.
Angora Specialty Co., 87 34th, Brooklyn, N. Y.
Ascher Simon & Co., 2443 3rd av, New York
Ashboyton Knitting Co., Shelburne Falls, Mass.
Atlantic Knitting Mills, 1270 B'way, New York
Augstein S. & Co., 352 4th av, New York
Avalon Knitwear Co. (Underwear), Utica, N. Y.
Bailey Knitting Mills, Fort Plain, N. Y.
Ballard Knitting Co., Norristown, Pa.
Bergman Knitting Mills, Osceola & Pastorius, Gtn., Phila., Pa.
Berwin Knitting Mills, 220 Ashford, Brooklyn, N. Y.
Blauvelt Knitting Co., 280 Pine, Newark, N. J.
Blepp Knitting Wks., 6824 Superior av, Cleveland, O.
Bloom William & Co., Inc. ("Beaucraft"), 38 E 30th, New York
Boerum Knitting Mills, 8402 18th av, Brooklyn, N. Y.
Bower Knitting Co., Hawley, Pa.
Bradley Knitting Co., Delavan, Wis.
Breathwaite Wm., 4931 Germantown av, Gtn., Phila., Pa.
Brown Knitting Co., Warsaw, N. Y.
Byrne Thos. F., Phoenixville, Pa.
Cache Knitting Works, Logan, Utah
Canadian Knitting Mills, 86 Meserole, Brooklyn, N. Y.
Capital Knit Works, 1330 Fulton, Brooklyn, N. Y.
Chapman Knitting Mills, 788 McLean av, New York
Claremont Knitting Co., 178 Stagg, Brooklyn, N. Y.
Clinton Knitting Co., Clinton, N. Y.
Colonial Knitting Mills, 291 Essex, Brooklyn, N. Y.
Columbia Knitting Mills, 116 W 32d, New York
Continental Knitting Mills, 860 Flushing av, Brooklyn, N. Y.
Crescent Co., 49 E 21st, New York
Crossingham Knitting Mills, 243 Ashmead, Phila., Pa.
Dornbaum Knitting Co., 3136 Lincoln av, Chicago, Ill.
Draper Bros. Co., Canton, Mass.
Dunham Mills, Hartford, Conn.
Eagle Knitting Mills, 184 E Water, Milwaukee, Wis.
Eckert Knitting Mills, 923 20th av, N, Minneapolis, Minn.
Elboeuf Knitting Co., Utica, N. Y.
Ellery Knitting Mills, 251 Stockton, Brooklyn, N. Y.
Elmira Knitting Mills (Underwear), Elmira, N. Y.
Empire Knitting Mills, 1701 N Ashland, Chicago, Ill.
Empire Knitting Works, 10 Varet, Brooklyn, N. Y.
European Knitting Mills, 86 Stagg, Brooklyn, N. Y.
Evans Chas. Jr., Needham Heights, Mass.
Fain Knitting Mills, 902 Park av, Brooklyn, N. Y.
Federal Knitting Mills Co., Detroit & W 29th, Cleveland, O.
Fergus Falls Knitting Works, Fergus Falls, Minn.
Fitwell Knitting Co. (Men's Worsted Underwear), Cohoes, N. Y.
Fleischer Ernst Knitting Co., 379 11th av, Milwaukee, Wis.
Franklin Knitting Mills, 511 E 72d, New York
Friedman Blau Farber Co., Perkins & E 37th, Cleveland, O.
Fromm S., 93 Underhill av, Brooklyn, N. Y.
Gantner & Mattern Co., Grant av & Post, San Francisco, Cal.
Garon I., Duluth, Minn.
Gibralter Knitting Mills, 1010 W 12th, Chicago, Ill.
Gilbert Knitting Co., Little Falls, N. Y.
Golden Belt Mfg. Co. (Hosiery), Durham, N. C.

Goldsmith's P. Sons, John, Findlay & Charlotte, Cincinnati, O.
Gotham Knitting Mills, 30 W 21st, New York
Grand Knitting Works, 729 Metropolitan av, Brooklyn, N. Y.
Great Western Knitting Co., 110 Buffalo, Milwaukee, Wis.
Hamburg Knitting Mills, 635 Park av, Brooklyn, N. Y.
Hamilton Hosiery Mills, Hamilton, N. Y.
Hand Knit Hosiery Co., Two Rivers, Wis.
Hatheway & Reynolds, Oriskany Falls, N. Y.
Hayes Textile Co. (Underwear), Oswego, N. Y.
Hermanson Severin S., Marinette, Wis.
Highland Knitting Mill Highland, N. Y.
Highland Worsted Mills, Camden, N. J.
Hitchcock & Curtiss Knitting Co., 699 Broad, Hartford, Conn.
Hoag C. F. Co., Poughkeepsie, N. Y.
Houlton Woolen Mill, Houlton, Me.
Hummel W. F., 936 3d, Milwaukee, Wis.
Hutton Mfg. Co., 315 Arch, Phila., Pa.
Hygienic Fleeced Underwear Co., 2415 N Howard, Phila., Pa.
Hygrade Knitting Mills, 146 Summit, Newark, N. J.
Ideal Knitting Mills, 985 Myrtle av, Brooklyn, N. Y.
Illinois Knitting Mills, 640 B'way, Brooklyn, N. Y.
Imperial Knitting Co. ("Art Kote"), 1071-5 3d, Milwaukee, Wis.
Inland Knitting Works, Green Bay, Wis.
Jantzen Knitting Mills ("Jantzen"), Sandy blvd & E 20th, Portland, Ore.
Jersild Knitting Co., Neenah, Wis.
Keefer & Maxwell, Camillus, N. Y.
Kellner Knitting Co., 5100 Euclid av, Cleveland, O.
Kenosha Knitting Co., Kenosha, Wis.
Key E. H., Fort Hunter, N. Y.
Keystone Underwear Co., Lititz, Pa.
Kinderhook Knitting Co., Kinderhook, N. Y.
Kingston Knitting Co., 55 Carleton, Boston, Mass.
Knit Goods Mfg. Co., 196 Palmeto, Brooklyn, N. Y.
L. & P. Knitting Co., Hawley, Pa.
Lake Superior Knitting Works, Appleton, Wis.
Lenox Knitting Works, 910 Manhattan av, Brooklyn, N. Y.
Levin Wm., 204 Canal, New York
Levine & Co., 140 Junius, Brooklyn, N. Y.
London Knitting Mills, 1460 Bushwick av, Brooklyn, N. Y.
Longisland Knitting Mills Co., 335 Throop av, Brooklyn, N. Y.
Lorio Jacob, Dedham, Mass.
Lowenthal Max & Sons, Rochester, N. Y.
McLaughlin Textile Corp. (Sweaters & Knit Caps "Mohawk"), 203 Park av, Utica, N. Y.
Maer Knitting Mills, 392 B'way, New York
Malden Knitting Mills, Malden, Mass.
Marinette Knitting Mills, Marinette, Wis.
Minnesota Knitting Mills, 514 St. Peter, St. Paul, Minn.
Model Knitting Works, Salt Lake City, Utah
Model Mfg. Co., 29 W 30th, New York
Morgan Knitting Mills ("Veco"), 457 18th av, Newark, N. J.
Newark Knitting Works, 730 S 13th, Newark, N. J.
New Way Knitting Co., Williamston, Mich.
New York Knitting Mills, 310 6th av, New York
Noon E. & Son, 4019 Gtn. av, Phila., Pa.
Northern Knitting Mills, 57 W 19th, New York
Northfield Knitting Co., Northfield, Minn.
Norwich Knitting Co., Norwich, N. Y.
Novelty Knitting Mills, 4th & Cumberland, Phila., Pa.
Okeh Hosiery Mills ("Okeh" Infants'), Lemoyne, Pa.
Olympian Knit Goods Co., New Hartford, N. Y.
Pacific Knitting Mills, Los Angeles, Cal.
Pacific Knitting Mills, Seattle, Wash.
Passaic Knitting Works, Garfield, N. J.
Pearl Waist Co., Inc. (Underwear), Cohoes, N. Y.
Pennsylvania Knitting Mills, 129 N 12th, Philadelphia, Pa.
Pfister J. J. Knitting Co., Berkeley, Cal.
Pioneer Knitting & Mfg. Co., 202 S 15th, Phila., Pa.
Progressive Knitting Works, 1714 Atlantic av, Brooklyn, N. Y.
Puritan Knitting Mills, Juniper & Vine, Phila., Pa.
Quaker City Sweater Mills, 1421 Wallace, Phila., Pa.
Rensselaer & Valatie Mills, Valatie, N. Y.
Rex Knitting Co., Little Falls, N. Y.
Rich, Sampliner Co., Euclid & E 61st, Cleveland, O.
Riehm Knitting Mills, Adams & Unity, Frankfort, Phila., Pa.
Roff Underwear Co., Cohoes, N. Y.
Root Mfg. Co. (Tivoli Mills), Cohoes, N. Y.
Royal Knitting Mills, 2007 S California av, Chicago, Ill.
Salt Lake Knitting Works, Salt Lake City, Utah
Sand Jno. A., 2408 W Chicago av, Chicago, Ill.
Saxony Knitting Co., Seattle, Wash.
Saxony Knitting Mills, Needham Heights, Mass.
Shoyer D. W. & Co., 30 Main, Brooklyn, N. Y.
Singer Knitting Mills, 251 Varet, Brooklyn, N. Y.
Smith & Hoffman, 590 Howard, San Francisco, Cal.
Snyder Bros. Knitting Mills, 8th & Howard, San Francisco, Cal.
Spalding A. G. & Bros., 105 Nassau, New York
Spicer John, 84 Woodbine, Brooklyn, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.
Standard Knitting Co., 2202 Superior av, N E, Cleveland, O.
Starrels Morris & Co., 2122 E Arizona, Phila., Pa.
Sterling Knit Goods Co., Stiles, Boston, Mass.
Sterling Mills, Ilion, N. Y.
Suffolk Knitting Co., E. Boston, Mass.
Sunset Knitting Co., 1212 Market, San Francisco, Cal.
Superior Mfg. Co., Hoosick Falls, N. Y.
Swansdown Knitting Co., Hudson, N. Y.
Thurman Mfg. Co., 427 Ashmead, Phila., Pa.
Treinis Bros., 32 33rd, Brooklyn, N. Y.
Tri-Tex Knitting Mills ("Tri-Tex" & "Bear Brand"), 121 S Market, Chicago, Ill.
Union Knitting Mills, 44 N 3rd, Phila., Pa.
Union Knitting Mills Co., Logan, Utah
Union Mills , Hudson, N. Y.
United Knitting Co., 1027 Callowhill, Philadelphia, Pa.
Utica Knitting Co., Utica, N. Y.
Visor Knitting Mills, Niagara Falls, N. Y.
Waymart Knitting Mill, Waymart, Pa.
Webber G. F., 1404H Gratiot, Detroit, Mich.
Wertheimer Bros., 894 B'way, New York
Western Knitting Mills, 1140 Blue Island av, Chicago, Ill.
Wexler Knitting Mills, 61 N 2nd, Phila., Pa.
Whitman Bros., Little Falls, N. Y.
Williamsburg Knitting Mills, 20 Bogart, Brooklyn, N. Y.
Wilson Thos. E. & Co., 727 N Sangamon, Chicago, Ill.
Wisconsin Knitting Mills, Manitowoc, Wis.
Wye Geo. E. Co., Needham, Mass.
Wye Wm. H. & Co., Needham, Mass.
Yale Knitting Co., Malden, Mass.
Yale Knitting Mills, 200 5th av, New York
York Knitting Mills Co. (Hosiery), York, Pa.
Yund, Kennedy & Yund, Amsterdam, N. Y.
Zimmerman C. Son Co., 70 Tuers av, Jersey City, N. J.

14556— Sweepers (Carpet)

Bissell Carpet Sweeper Co. ("American Queen," "Club," "Elite," "Bissell's," "Grand Rapids," "Grand," "Parlor Queen," "Princess," "Standard," "Universal"), Grand Rapids, Mich.
Metal Stampings Corp. ("Sterling," "Streator," "Eureka"), Streator, Ill.
National Sweeper Div. of the Torrington Co. ("Torrington," "Peerless"), Torrington, Conn.

14557—Sweepers (Carpet, Vacuum)

See also Vacuum Cleaners, Hand & Power

Allen & Billmyre Co., Inc. (Exhausters for heavy duty vacuum cleaning systems), Grand Central Palace, New York
See adv index at end of book
Domestic Vacuum Cleaner Co. ("Domestic" Hand Power Suction), Torrington, Conn.
Elite Vacuum Cleaner Mfg. Co. ("Elite"), Kesner bldg, Chicago, Ill.
Hoover Suction Sweeper Co. ("Hoover Electric"), North Canton, O.
National Sweeper Division of the Torrington Co. (Torrington Hand Power Suction), Torrington, Conn.
Peoria Can Co. ("Hoosier" Hand), Peoria, Ill.
Pneuvac Co. ("Sweeper-Vac"); Electric, 164 Fremont, Worcester, Mass.
Santo Vacuum Cleaner Co. ("Home"), 320 6th av, New York
Wise McClung Mfg. Co. ("America"), New Philadelphia, O.

14558— Sweepers (Lawn)

Everwear Mfg. Co., Springfield, O.
Philadelphia Lawn Mower Co., 3101 Chestnut, Phila., Pa.

14559-60— Swings (Barrel)

Leavitt Machine Co., Orange, Mass.
Penn Hardware Co. ("Boston" Adjustable), Reading, Pa.
Reed Evan L. Mfg. Co., Tipton, Danville, Ill.
Upton & Gilman Machine Co. ("Perfect"), Lowell, Mass.

14561— Swings (Lawn)

Austell Swing & Ladder Co., Austell, Ga.
Babcock Mfg. Co. ("Otsego"), Leonardsville, N. Y.
Barley Thos. K. ("Sedalia," "Boss"), Sedalia, Mo.
Border City Industrial Co., Border City, N. Y.
Bristol & Gale Co., 158 Carroll av, Chicago, Ill.
Buch's A. Sons Co. ("Eagle," Steel Reclining & Adjustable Seat, etc), Elizabethtown, Pa.
Canfield H. C. ("Home Comfort" Lawn or Porch), Batesville, Ind.
Carriage & Toy Co., 741 W Lombard, Baltimore, Md.
Challenge Co. ("Peerless," "Monarch," "Fairy" & "Royal" Wood), Batavia, Ill.
Chattanooga Wheelbarrow Co., 1300 E 14th, Chattanooga, Tenn.
Cupples Sam'l Woodenware Co., 7th & Spruce, St. Louis, Mo.
Dain Mfg. Co. ("Dain's Alaska"), Ottumwa, Ia.
Dow Co. (Iron), 201H N Buchanan, Louisville
Dowden Mfg. Co. (Ltd.), Prairie City, Ia.
Fleming & Sons Mfg. Co. ("Fleming"), Huntsville, Mo.
Florence Wagon Co., Florence, Ala.
Forbes Mfg. Co. ("Mogul"), Hopkinsville, Ky.
Fry Bros. Mfg. Co., Richmond, Ind.
Gem Mfg. Co., Nth., Girard, Pa.
Giant Mfg. Co., Council Bluffs, Ia.
Goshen Churn & Ladder Co. ("Winner," "Imperial," "No. 8," "Zephyr" & "Bonanza"), Goshen, Ind.
Goshen Mfg. Co., Goshen, Ind.
Haggard & Marcusson Co. ("Comfort Swing Chair"), 1109 W 37th, Chicago, Ill.
Hay Tool Mfg. Co. ("Iowa"), Council Bluffs, Ia.
Hopkins L. Mfg. Co., North Girard, Pa.
Kalamazoo Sled Co., Kalamazoo, Mich.
Keller Mfg. Co. ("Keller"), 1325 N B, Quincy, Minneapolis, Minn.
Lattimer W. H. & Sons, Orwell, N. Y.
Moulton C. W. H. Co. ("New England"), Somerville, Mass.
Myers F. E. & Bro. Co. ("Ashland" Low-Down Roller), 950 Orange, Ashland, O.
See adv index at end of book
Noll Bros. ("Bausman"), Bausman, Pa.
North Vernon Lumber Co. (Telescopic Assembled Lawn & Autonote Porch), North Vernon, Ind.
Ohio Rake Co. ("Arctic"), Dayton, O.
Reed & Rogers Mfg. Co., Vernon, Ind.
St. Charles Net & Hammock Co. (Steel), St. Charles, Ill.
Sechler D. M. Implement & Carriage Co., Moline, Ill.
Smith Fence & Iron Co. (Steel), Waynesboro, Pa.
Southern Chair Co., High Point, N. Car.
Specialty Mfg. Co. ("Columbia"), Titusville, Pa.
Superior Ladder Co., Goshen, Ind.
Thornburgh Mfg. Co. ("Ideal" Folding), Bowling Green, O.
Western Wheelbarrow Mfg. Co. ("Monarch"), So. Fort Smith, Ark.
Weston Paper & Mfg. Co. ("Premier" Swing & Hammock Combined), Dayton, O.
Williams Mfg. Co. ("So-Ezy"), Macon, Ga.
Young Bros. Co., 2 Brooks, Worcester, Mass.

14562— Swings (Porch)

Argus Novelty Co. (Baby), La Porte, Ind.
Baker J. R. & Sons Co. (Adjustable) ("Metal"), Kendallville, Ind.
Bent Rung Ladder & Mfg. Co., Indiana, Pa.
Bowser R. M. & Son, Renfrew, Pa.
Carriage & Toy Co., 741 W Lombard, Baltimore, Md.
Challenge Co., Batavia, Ill.
Dow Co., 201H N Buchanan, Louisville, Ky.
Fleming John S., Plymouth, Ohio
Gem Mfg. Co., Nth., Girard, Pa.
Goshen Churn & Ladder Co., Goshen, Ind.
Hopkins L. Mfg. Co. (For Children), North Girard, Pa.
Household Mfg. Co. (For Children), Royersford, Pa.
Hunt Spring Bed Co., Chattanooga, Tenn.
Martin & Heagy Mfg. Co., Elizabethtown, Pa.
Martin Steel Products Co. ("Restmore"), Mansfield, Ohio
Modern Mfg. Co. ("Little Giant," "Novelty"), Hagerstown, Md.
Myers F. E. & Bro. Co. ("Myers"), 950 Orange, Ashland, O.
See adv index at end of book
Perfection Mfg. Co. ("Rock-a-bye" baby), 2701H Leffingwell av, St. Louis, Mo.
St. Charles Net & Hammock Co., St. Charles, Ill.
Specialty Mfg. Co., Titusville, Pa.
Standard Novelty Works, Duncannon, Pa.
Superior Ladder Co., Goshen, Ind.
United States Wire Mat Co. ("U. S."), Decatur, Ill.
Webb Mfg. Co., Brookville, Pa.

14563—Switch Bars (Hard Fibre)

Continental Fibre Co. ("Bakelite-Dilecto"), Newark, Del.
DELAWARE HARD FIBRE CO. ("Egyptian"), Wilmington, Del.
See adv index at end of book
Du Bell Mfg. Co., Bath, N. Y.
Ten Fibre Mfg. Co., 2358 E 67th, Cleveland, O.
See adv index at end of book

(Continued on following page)

Switch Bars (Hard Fibre)—Continued

SPAULDING FIBRE COMPANY, INC., Tonawanda, N. Y.
See adv index at end of book

Wilmington Fibre Specialty Co., Wilmington, Del.

Switch Locks (Railway)

See Locks, Car & Switch

Switch Stands

See Switches, Switch Stands & Fixtures

14564— Switchboard Details

Chicago Fuse Mfg. Co. ("Union"), Laflin & 15th, Chicago, Ill.
See adv index at end of book

Fibroc Insulation Co. ("Fibroc"), Cor. Campbell, Valparaiso, Ind.
See adv index at end of book

General Devices & Fitting Co., 441 S Desplaines, Chicago, Ill.

Midwest Metal Products Co. ("Kruse" Supporting Strips), Muncie, Ind.

Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

14565— Switchboards (Light & Power)

A. G. Mfg. Co. (Metering Panel), Seattle, Wash.

Adam Frank Electric Co. ("F.-A."), 3650 Windsor, St. Louis, Mo.

Adams-Bagnall Electric Co., Platt av, Cleveland, O.

Advance Electric & Mfg. Co., 1302 W 9th, Kansas City, Mo.

Alberene Stone Co. (Soapstone), 153 W 23rd, New York

Allis Chalmers Mfg. Co. (Electric), Milwaukee, Wis.
See adv index at end of book

Andrae Julius & Sons Co., 362 B'way, Milwaukee, Wis.

Barber Elec. Mfg. Co., N. Attleboro, Mass.

Barkelew Elec. Mfg. Co., Middletown, Ohio

Benjamin Electric Mfg. Co. ("Benjamin-Starret"), 120 S Sangamon, Chicago

Benjamin W. A. Electric Co., 1378 E 16th, Los Angeles, Cal.

Bissell F. Co. ("Bissell"), Toledo, O.

Blake Electric Mfg. Co. ("Macfarlane"), 1 Rowes wharf, Boston, Mass.

Bousted Elec & Mfg Co., 16 E Hennepin av, Minneapolis, Minn.

Brown & Pengilly Inc., 2114 E 9th, Los Angeles, Cal.

Butte Electric & Mfg. Co., 956 Folsom, San Francisco, Cal.

Butte Engineering & Elec. Co. (Dealers), 530 Folsom, San Francisco, Cal.

C. & P. Elec. Wks (Metering Panels), 92 Hayden, Springfield, Mass.

California Elec. Supply Co., 643 Mission, San Francisco, Cal.

Central Metal Products Co. ("C. M. P."), Canton, Ohio

Chicago Switchboard Mfg. Co., 426 S Clinton, Chicago, Ill.

Clark & Flanagan, Fair Haven, Vt.

Cleveland Switchboard Co., 2925 E 79th, Cleveland, O.

Coast Specialty Co., 72 E 6th, Portland, Ore.

Commercial Switchboard Mfg. Co., Denver, Colo.

Condit Electrical Mfg. Co. ("Condit" Alternating Current & Direct Current), 1st & L, Boston, Mass.

Connecticut Elec. Mfg. Co., Conn. av, Bridgeport, Conn

Consolidated Engineering Co., Jacksonville, Fla.

Crocker-Wheeler Co., Ampere, N. J.

Crouse-Hinds Co., Syracuse, N. Y.

Cutter Geo. C. ("McWilliams" Metering, "Cutter's"), South Bend, Ind.

Dahlstrom Metallic Door Co., 413 Buffalo, Jamestown, N. Y.
See adv index at end of book

Drendell Electrical & Mfg. Co. ("Demco"), 1345 Howard, San Francisco, Cal.

Duquesne Elec. & Mfg. Co., Bessemer bldg, Pittsburgh, Pa.

Electric Apparatus Co., 704 N Halsted, Chicago, Ill.

Electric Panelboard Co., 27 N Water, Rochester, N. Y.

Electric Power Equipment Corp., 412 N 18th, Philadelphia, Pa.

Electric Storage Battery Co., 19th & Allegheny av, Phila., Pa.

Electrical Automatic Appliance Co., Denver, Colo.

Electrical Mfg. Co., 4149 E 79th, Cleveland, O.

Electrical Testing Co. (Farm Ltg.), Peoria, Ill.

Engberg Electrical & Mechanical Works, St. Joseph, Mich.

Euclid Stone & Brick Co. ("Euclid" & High Resistance Oxydized Stone), Cleveland, O.

Fauch Elec. Mfg. Co., 105 N 9th, Portland, Ore.

Fisher Electric Works, 32 Lynn, Detroit, Mich.

Flint Elec. & Mfg. Co. (Panelboards), 1402 Delgany, Denver, Colo.

Ft. Wayne Electric Works of General Electric Co., Ft. Wayne, Ind.

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*

Gleason James & Co., 515 W Jackson blvd, Chicago, Ill.

Haas R. Electric & Mfg. Co. ("Ideal"), Springfield, Ill.

Hart & Hegeman Mfg. Co., 342 Capitol av, Hartford, Conn.

Heinemann Geo., 1224 N 8th, Phila., Pa.

Herzog Electric & Engineering Co., 172 Stewart, San Francisco, Cal.

Hewitt & Warden, Newburgh, N. Y.

Holzer R. G. (Est. of), 317 Burgundy, New Orleans, La.

Horne Mfg. Co., 243 Mercer, Jersey City, N. J.

Iron Specialty & Elec. Co. (Panelboards), 166 E 144th, New York

Jewell Electrical Instrument Co., 1650 Walnut, Chicago, Ill.

Keystone Elec. Mfg. Co., Cleveland, Ohio

Knoeller Electric Co., De Pere, Wis.

Kuhlman Engrg. Co., Toledo, Ohio

Kurz & Root, Appleton, Wis.

Large-Dial Mfg. Co., 606 Cherry, Phila., Pa.

Lauson-Lawton Co., De Pere, Wis.

Leonard Electric Mfg. Co., 3907H Perkins av, Cleveland, O.

Louisiana Metal Cabinet Works, 1019 Bienville, New Orleans, La.

McCarthy Bros. & Ford, 75 W Mohawk, Buffalo, N. Y.

Massachusetts Elec. Co. (Panelboards), Worcester, Mass.

Metropolitan Device Corp., 1250 Atlantic av, Brooklyn, N. Y.

Metropolitan Elec. Co., 524 1st, Seattle, Wash.

Metropolitan Electric Mfg Co., 14th, Long Island City, N. Y.

Minnesota Electric Co., 309 2d av, S, Minneapolis, Minn.

Monson Maine Slate Co. (Slate), 112 Water, Boston, Mass.

Mutual Electric & Machine Co. ("Bulldog" A. C. & D.), 232 Fort, W, Detroit, Mich.

Ne Page McKenny Co., Armour bldg, Seattle, Wash.

New Haven Switch Co., Blakeside av, New Haven, Conn.

Newgard Henry & Co., 549 Washington blvd, Chicago, Ill.

Nyelec Switchboard Co., 422 E 53d, New York

O'Day Bros. (Slate), Hydeville, Vt.

Penn. Electrical & Mfg. Co., Irwin, Pa.

Pennefather J. S. (Theatre), 422 W 42nd, New York

Penrhyn Slate Co. (Slate), Hydeville, Vt.

Peterson Chas. J. & Co., 725 Fulton, Chicago, Ill.

Phila. Elec. Const. Co., Heed bl., Phila., Pa.

Pittsburgh Elec'l & Mach. Wks., Barker pl, Pittsburgh, Pa.

Portland-Monson Slate Co. ("Monson" Slate), Portland, Me.

Post-Glover Electric Co., 308 W 4th, Cincinnati, O.

Pringle Elec'l Mfg. Co., 1906 N 6th, Phila., Pa.

Robb & Blackmer, 129 Pearl, Boston, Mass.

ROBERTSON LEO F., INC., 540 W 22nd st, New York

Sackett H. I. Elec. Co., 256 Pearl, Buffalo, N. Y.

Sackett Mine Supply Co., 164 N 3d, Columbus, O.

Safety Electric Co. ("Seco"), 59 Columbia sq, San Francisco, Cal.

Safety Electric Products Co., 1548 Central av, Los Angeles, Cal.

Schaefer Bros. Co., 1059 W 11th, Chicago, Ill.

Schmidt A. R. Elec. Co., 262 E Water, Milwaukee, Wis.

Service Elec. & Mfg. Co., Minneapolis, Minn.

Shull Co., Conduit rd & Eliot N. W., Washington, D. C.

Standard Mechanical Equipt. Co., Dallas, Texas

Stecker Elec. & Machine Co., Dewey, Detroit, Mich.

Steele W. M., 98 Beacon, Worcester, Mass.

Sterling Switchboard Co., Camden, N. J.

Stewart Electrical Mfg. Co., 80 Natoma, San Francisco, Cal.

Structural Slate Co., Pen Argyl, Pa.
See adv index at end of book

ELECTRICAL SLATE
for
SWITCHBOARDS
The Structural Slate Co.
Pen Argyl, Pa.

Structural Stone Co., Hubbard, Ohio

Tanner Wm. F. & Co., 511 S Sharp, Baltimore, Md.

Troy Electrical Co., Troy, N. Y.

Trumbull Electric Mfg. Co. ("Trumbull"), Plainville, Conn.

Trumbull Vanderpoel Elec. Mfg. Co., Bantam, Conn.

Walker Electric Co. (Slate & Marble), 2337 Callowhill, Phila., Pa.

Wesco Supply Co. ("Davis"), 7th & Clark av, St. Louis, Mo.

Western Electric Co., 463 West, New York

Western Safety Mfg. Co., Inc. ("Westest"), 247 Minna, San Francisco, Cal.

Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

Worcester Electric & Mfg. Co. ("Worcester"), 42 Lagrange, Worcester, Mass.

Wurdack Wm. Elec. Mfg Co., 21 11th, St. Louis, Mo.

14566—Switchboards (Telephone)

See also Telephones & Apparatus

American Electric Co. ("America," "1900," "Burn's Express"), 6401 State, Chicago, Ill.

Andrae Julius & Sons Co., 362 B'way, Milwaukee, Wis.

Automatic Appliance Co., 172 Columbus av, Boston, Mass.

Automatic Electric Co., 947 W Van Buren, Chicago, Ill.

B. R. Electric Co., 1411 Walnut, Kansas City, Mo.

Century Telephone Const. Co., 1738 Elmwood, Buffalo, N. Y.

Chicago Telephone Supply Co., Elkhart, Ind.

Clark & Flanagan, Fair Haven, Vt.

Connecticut Telephone & Electric Co. (Inc.), Meriden, Conn.

Couch S. H. Co., 170 Purchase, Boston, Mass.

Federal Telephone & Telegraph Co. (Inter-Communicating), 1738 Elmwood av, Buffalo, N. Y.

Garl Electric Co., Akron, O.

Gem Stopper Co., 2120 Nicholas, Phila., Pa.

Kellogg Switchboard & Supply Co. ("Service"), 1066 W Adams, Chicago, Ill.

Lafayette Electric & Mfg. Co., Lafayette, Ind.

Leich Electric Co., Genoa, Ill.

Loeffler Louis J., 59 Bank, New York

Menominee Elec. Mfg. Co., Menominee, Mich.

Minnesota Electric Co., 309 2d av. S, Minneapolis, Minn.

Monarch Telephone Mfg Co., Ft. Dodge, Iowa

North Electric Mfg. Co. (Automanual), Galion, O.

Portland-Monson Slate Co. ("Monson" Slate), Portland, Me.

Premier Electric Co., 1123 S Wabash av, Chicago, Ill.

Russell Electric Co., Danbury, Conn.

Stanley & Patterson Inc., 23 Murray, New York

STROMBERG - CARLSON TELEPHONE MFG. CO., 1050 University av, Rochester, N. Y.

Utica Fire Alarm Telegraph Co., Utica, N. Y.

Western Electric Co., 463 West, New York

Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

14567—Switchboards (Theatre)

Adam Frank Electric Co. ("F. A."), 904-14 Pine, St. Louis, Mo.

Advance Electric & Mfg. Co., 1302 W 9th, Kansas City, Mo.

Bissell F. Co., Toledo, O.

Brown & Pengilly, Inc., 2114 E 9th, Los Angeles, Cal.

Butte Electric & Mfg. Co., 956 Folsom, San Francisco, Cal.

Clark & Flanagan, Fair Haven, Vt.

Consolidated Engineering Co., Jacksonville, Fla.

Crouse-Hinds Co., Syracuse, N. Y.

Holzmueler C. J., 1108 Howard, San Francisco, Cal.

K. P. F. Electric Co. (Disconnecting and Pole Top), 855 Howard, San Francisco, Cal.

Mutual Electric & Machine Co., 232 Fort W., Detroit, Mich.

Portland-Monson Slate Co. ("Monson" Slate), Portland, Me.

Pringle Electrical Mfg. Co., 1906 N 6th, Phila., Pa.

ROBERTSON LEO F. INC., 540 W 22nd, New York

Safety Electric Products Co., Inc., 16th & Central av, Los Angeles, Cal.

Steele W. M., 98 Beacon, Worcester, Mass.

Universal Electric Stage Lighting Co. Inc. (Kliegl Bros.), ("Kliegl"), 321 W 50th, New York

Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

Worcester Electric & Mfg. Co., Worcester, Mass.

14567a— Switches

Arrow Electric Co., Hartford, Conn.

Ashland Electric Co., 1517 Haddon av, Chicago, Ill.

Bowice Switch Co., 14 Montgomery, San Francisco, Calif.

Chicago Elec. Mfg. Co., 2817H S Halsted, Chicago, Ill.

Condit Electrical Mfg. Co. ("Condit"), 842 Summer, Boston, Mass.

Cutter Electrical & Mfg. Co., H, 19th & Hamilton, Phila., Pa.
Easton Car & Construction Co. (Mine), 36 Holley, Easton, Pa.
See adv index at end of book
Euclid Electric & Mfg. Co. (Elec. Controllers & Switches), Euclid, Ohio
Federal Steel Products Co. (Safety Electrical), 197 Frelinghuysen av, Newark, N. J.
Fenning L. T., Jackson, O.
Gleason James & Co. (Type A. & C.), 515 W Jackson blvd, Chicago, Ill.
Hubbell Harvey Inc. ("Hubbell"), Bridgeport, Conn.
K. P. F. Electric Co. (Disconnecting & Pole Top), 855 Howard av, San Francisco, Cal.
Klaxon Co. ("Klaxon"), Bloomfield av, Newark, N. J.
Knickerbocker Annunciator Co. (Emergency), 116 West, New York
Metal Specialties Mfg. Co., Dept H, 338 N Kedzie av, Chicago, Ill.
Metropolitan Device Corp., 1250 Atlantic av, Brooklyn, N. Y.
Palmer-Bee Co. (I-Beam Switches), 2778 E Grand blvd, Detroit, Mich.
Peterson Chas. J. Co. (Electric), 723 Fulton, Chicago, Ill.
Schmukler S. & Son (Safety), 706 S 2d, Phila., Pa.
Stewart S. A. & Co. (Burglar Alarm), Waltham, Mass.
Wadsworth Electric Mfg. Co. ("Compro" Meter Switch), Covington, Ky.

14568—Switches (Air Brake)

Bowice Switch Co., 14 Montgomery, San Francisco, Calif.
Condit Electrical Mfg. Co. ("Condit"), 842 Summer, Boston, Mass.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Niagara Insula-Bake Specialties Co., Inc., Albany, N. Y.
Pacific Electric Mfg. Co., 827 Folsom, San Francisco, Cal.
Schweitzer & Conrad, Inc. ("S & C" High Tension), 4431 Ravenswood av, Chicago, Ill.

14569—Switches (Automatic)

Allen-Bradley Co. ("Allen-Bradley" Electrically Operated), 286 Greenfield, Milwaukee, Wis.
Automatic Switch Co. ("Whittingham" Quick Break Tank Switch, etc.), 154 Grand, New York
Campbell Electric Co. ("Campbell"), 17 Stewart, Lynn, Mass.
Chicago Automatic Switch Co. (Bilge & Condensation Pump Float), 900 W Lake, Chicago, Ill.
Condit Electrical Mfg. Co. ("Condit"), 842 Summer, Boston, Mass.
CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
Electric Controller & Mfg. Co., Cleveland, Ohio *See adv index at end of book*
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Niagara Insula-Bake Specialties Co., Inc., Albany, N. Y.
Signal Accessories Corp., Utica, N. Y.
Trumbull-Vanderpoel Electric Mfg. Co., Bantam, Conn.
WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa.
See adv index at end of book
Worcester Electric & Mfg. Co. (Storage Battery), 42 Lagrange, Worcester, Mass.

14570—Switches (Automatic Door)

Arrow Electric Co. ("Arrow E."), Hartford, Conn.
Bryant Electric Co., 1421 State, Bridgeport, Conn.
CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
Cutter Electrical & Mfg. Co., Dept. H, 19th & Hamilton, Phila., Pa.
Edwards & Co. ("Lungen," "Eco."), Exterior av, & 140th, New York
Hart & Hegeman Mfg. Co. ("H. & H."), Hartford, Conn.
HART MFG. CO. ("Diamond H."), 330 Hamilton, Hartford, Conn.
See adv index at end of book
MORSE FRANK W. ("Morse"), 289 Congress, Boston, Mass.
See adv index at end of book
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Sechrist A. Mfg. Co., Denver, Colo.

14571—Switches (Automatic Rail-Road)

American Mine Door Co. ("Canton" Switch Thrower), 2037 Dueber av S W, Canton, O.
Bethlehem Steel Co., Sc. Bethlehem, Pa.
Gold Car Heating & Lighting Co., 220 36th, Brooklyn, N. Y.
N. Y. Switch & Crossing Co., Hoboken, N. J.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Pidgeon-Thomas Iron Co., Memphis, Tenn.
Ramapo Iron Works, Hilburn, N. Y.
Signal Accessories Corp., Utica, N. Y.
United States Electric Signal Co. ("American" Automatic Electric Track), West Newton, Mass.
Wharton Wm. Jr. & Co. Inc., Easton, Pa.

14572—Switches (Automatic & Remote Control)

Anderson Albert & J. M. Mfg. Co., 289A, Boston, Mass.
Condit Electrical Mfg. Co. ("Condit"), 1st & L, Boston, Mass.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Roller-Smith Co. ("Roller-Smith"), 233 B'way, New York
Twinvolute Pump & Mfg. Co., 55 William, New York

14573—Switches (Automobile)

Bryant Electric Co., 1421 State, Bridgeport, Conn.
Caskey-Dupree Mfg. Co., Marietta, Ohio
Chicago Electric Mfg. Co. ("Handy"), 2817 S Halsted, Chicago, Ill.
Clum Mfg. Co., 23 Erie, Milwaukee, Wis.
Connecticut Telephone & Electric Co. (Inc.) (Electric), Meriden, Conn.
CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
Dayton Electrical Mfg. Co., Dayton, O.
Edwards & Co. (Electric), Exterior & 140th, New York
Eldredge Electric Mfg. Co. (Electric), Springfield, Mass.
HART MFG. CO. ("Diamond H." Lighting & Starting), 330 Hamilton, Hartford, Conn. *See adv index at end of book*
Hart & Hegeman Mfg. Co ("H & H." Electric), Hartford, Conn.
Hartman Electrical Mfg. Co., Mansfield, O.
Klaxon Co. ("Klaxon"), Bloomfield av, Newark, N. J.
Leece-Neville Co., 5363 Hamilton av, Cleveland, O.
MORSE FRANK W., 289 Congress, Boston, Mass.
See adv index at end of book
Mutual Electric & Machine Co. (Self Starting), 232 Fort W., Detroit, Mich.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
North East Electric Co., Rochester, N. Y.
O'Brien Jos. F. Mfg. Co., 47 W 63rd, New York
Perfection Supply Co. (Electric), 98 Park pl, New York
Seidler-Miner Co. (Electric), 36 E Larned, Detroit, Mich.
Trumbull Electric Mfg. Co. (Electric), Plainville, Conn.
Utility Co. (Electric), 636 W 44th, New York
Weeber C. F. Mfg. Works (Electric), Albany, N. Y.

14574—Switches (Automobile Lighting)

Beaver Machine & Tool Co., Inc., 625 N 3d, Newark, N. J.
CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
Hubbell Harvey Inc. ("Hubbell"), Bridgeport, Conn.
MORSE FRANK W. ("Morse," "Harwood," "Pullrite," "Sta Rite," "Puritan"), 289 Congress, Boston, Mass.
See adv index at end of book
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.

14575— Switches (Battery)

BRYANT ELECTRIC CO. (Knife or Sliding), 1421 State, Bridgeport, Conn.
Chicago Elec. Mfg. Co., 2817 S Halsted, Chicago, Ill.
Clum Mfg. Co., Montgomery bldg, Milwaukee, Wis.
Connecticut Electric Mfg. Co., Bridgeport, Conn.
Couch S. H. Co., Norfolk Downs, Mass.
CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
Detroit Coil Co., 439 E Fort, Detroit, Mich.
Dow Mfg. Co., Braintree, Mass.
Edwards & Co., 140th & Exterior, New York
Fahnestock Elec. Co., Meadow, Long Island City, N. Y.
Hart & Hedgeman Mfg. Co., 342 Capitol av, Hartford, Conn.
Hubbell Harvey Inc. ("Hubbell"), Bridgeport, Conn.
Jefferson Electric Mfg. Co., 430 S Green, Chicago, Ill.
Keil Francis & Son, 401 E 143rd, New York
Kilbourne & Clark Mfg., 101 Spokane, Seattle, Wash.
Kurz & Root, Appleton, Wis.
Manhattan Electrical Supply Co., 17 Park pl, New York
METAL SPECIALTIES MFG. CO. ("Presto" Push & Pull), Dept. H, 338 N Kedzie av, Chicago, Ill.
MORSE FRANK W. ("Morse," "Harwood," "Pullrite," "Sta-Rite"), 289 Congress, Boston, Mass.
See adv index at end of book
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Ostrander W. R. & Co., 371 B'way, New York
Patrick & Wilkins Co., 51 N 7th, Phila., Pa.
Quick Action Magneto Co., South Bend, Ind.
Samson Electric Co., 237 Washington, Canton, Mass.
Trumbull Electric Mfg. Co., Plainville, Conn.
Wood C. D. Elec. Co. ("Bear Cat"), 565 Broadway, New York

14576— Switches (Canopy)

Arrow Electric Co., Hartford, Conn.
Beaver Machine & Tool Co., Inc., 625 N 3rd, Newark, N. J.
Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.
CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

14577— Switches (Ceiling)

BRYANT ELECTRIC CO., 1421 State, Bridgeport, Conn.
Leveridge Chas. W. ("L. & L."), 246 Fulton, New York
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Sorensen P., 18 Dunham pl, Brooklyn, N. Y.
Waldman Jno. J. 64 Murray, New York

14578— Switches (Coil)

Connecticut Telephone & Electric Co., Meriden, Conn.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.

14579— Switches (Combination & Cut-out)

Barkelew Electric Mfg. Co., Middletown, Ohio
BRYANT ELECTRIC CO., 1421 State, Bridgeport, Conn.
Chicago Fuse Mfg. Co., Lafin & 15th, Chicago, Ill. *See adv index at end of book*
Connecticut Electric Mfg. Co., Bridgeport, Conn.
D. & W. Fuse Co., Hathaway, Providence, R. I.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Hart & Hegeman Mfg. Co. (Dirs.), 342 Capital av, Hartford, Conn.
Heineman Geo., 1224 N 8th, Phila., Pa.
Mesa Fernando C. Co., Dept. H, Colt & Chancellor av, Irvington, N. J.
Metropolitan Device Corp., 1250 Atlantic av, Brooklyn, N. Y.
Mutual Electric & Machine Co. (Cut Out), 232 Fort W., Detroit, Mich.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Signal Accessories Corp., Utica, N. Y.
Trumbull Elec. Mfg. Co., Plainville, Conn.
Worcester Electric & Mfg. Co., Worcester, Mass.

14579a— Switches (Control)

Condit Electrical Mfg. Co. ("Condit" for Circuit Breakers), 842 Summer, Boston, Mass.
Edwin & Co., 3736 Cottage Grove av, Chicago, Ill.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Signal Accessories Corp., Utica, N. Y.

Switches (Derailing)

See Derailers

14580-1—Switches (Disconnecting)

Anderson Albert & J. M. Mfg. Co., 289A, Boston, Mass.
Bowie Switch Co., 14 Montgomery, San Francisco, Cal.
Brown & Pengilly, Inc., 2114 E 9th, Los Angeles, Cal.
Condit Electrical Mfg. Co. ("Condit"), 842 Summer, Boston, Mass.
D. & W. Fuse Co., Hathaway, Providence, R. I.
DELTA-STAR ELECTRIC CO., 2437 Fulton, Chicago, Ill.
Elec. Engrs. Equipt. Co., 711 Meridian, Chicago, Ill.

(Continued on following page)

Switches (Disconnecting)—Continued

Electric Power Equipment Corp., 412 N 18th, Philadelphia, Pa.
Elec. Service Supplies Co., 17th & Cambria, Phila., Pa.
Electrical Development & Machine Co., 221 N 23rd, Phila., Pa.
General Devices & Fittings Co., 803 W Madison, Chicago, Ill.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Johns-Manville Inc. (Safety), Madison av & 41st, New York
K. P. F. Electric Co., 855 Howard, San Francisco, Cal.
Kelman Elec. & Mfg. Co., 1650H Naud, Los Angeles, Cal.
Lord Mfg. Co. ("Leco"), 105 W 40th, New York
Niagara Insula-Bake Specialty Co. (Electric), Inc., Albany, N. Y.
Pacific Electric Mfg. Co., 827 Folsom, San Francisco, Cal.
Phila. Elec. Co., 7 W Chilton, Phila., Pa.
Pringle Elec. Mfg. Co., 1906 N 6th, Phila. Pa.
Railway & Industrial Engineering Co., Dept. H, Greensburg, Pa.
Royal Elec. Mfg. Co., 606 E 40th, Chicago
Schweitzer & Conrad Inc., 4431 Ravenswood av, Chicago, Ill.
Trumbull Elec. Mfg. Co., Plainville, Conn.
Worcester Electric & Mfg. Co., 42 Lagrange, Worcester, Mass.

14582—Switches (Electric Oil)

Condit Electrical Mfg. Co. ("Condit" Non-Resistance Motor Starters, Remote Control Oil Break), 842 Summer, Boston, Mass.
Niagara Insula-Bake Specialty Co. (Electric), Inc., Albany, N. Y.

14583— Switches (Fixture)

Beaver Machine & Tool Co., Inc., 625 N 3rd, Newark, N. J.
Bryant Electric Co., 1421 State, Bridgeport, Conn.
CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
McGill Mfg. Co., 77 Oak, Valparaiso, Ind.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.

14584—Switches (Float, Electric)

Chicago Automatic Switch Co., 212 N Peoria, Chicago, Ill.
CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
Electric Controller & Mfg. Co., Cleveland, Ohio *See adv index at end of book*
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

14585—Switches (Flush, Push Button)

Arrow Electric Co. ("Arrow"), Hartford, Conn.
Bryant Electric Co. ("Yankee"), 1421 State, Bridgeport, Conn.
Chelten Electric Co. ("Chelten," Shallow Push), Stenton & Rockland, Phila., Pa.
CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
Cutter Electrical & Mfg. Co. ("I. S. F."), Dept. H, 19th & Hamilton, Phila., Pa.
GENERAL ELECTRIC CO. (Rosettes, Switches, Tumbler, Surface Type, Snap), Schenectady, N. Y.
See adv index at end of book
Hart & Hegeman Mfg. Co. ("H. & H.," "Nutmeg"), Hartford, Conn.
Hubbell Harvey Inc., State & Bostwick av, Bridgeport, Conn.
Klaxon Co. ("Klaxon"), Bloomfield av, Newark, N. J.
McGill Mfg. Co., 77 Oak, Valparaiso, Ind.
Metropolitan Electric Mfg. Co. ("Metropolitan" Detachable Flush), 14th Long Island City, N. Y.
Morse Frank W. ("Morse" One to Four), 289 Congress, Boston, Mass.
See adv index at end of book
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Standard Elec. Mfg. Co., 925 Wrightwood av, Chicago, Ill.
Waterbury Button Corp., 831 S Main, Waterbury, Conn.
See adv index at end of book

14586—Switches (Fused Service)

Chicago Fuse Mfg. Co., Laflin & 15th, Chicago, Ill. *See adv index at end of book*
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Matthews W. N. & Bro. Inc. ("Matthews," "Fuswitch," 2922 Easton av, St. Louis, Mo.
Metropolitan Device Corp., 1250 Atlantic av, Brooklyn, N. Y.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Westinghouse Electric Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

14586a—*Switches (Heat)

Bryant Electric Co., 1421 State, Bridgeport, Conn.
Hart Mfg. Co. ("Diamond H."), 230 Hamilton, Hartford, Conn.
See adv index at end of book

14587—Switches (High Voltage)

Ajax Electric Co., 56 Baldwin av, Jersey City, N. J.
Bowice Switch Co., 14 Montgomery, San Francisco, Cal.
CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis.
See adv index at end of book
Eureka Co., North East Pa.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Pacific Electric Mfg. Co., 827 Folsom, San Francisco, Cal.
Schweitzer & Conrad Inc., 4431 Ravenswood av, Chicago, Ill.
Walker Electric Co, 2337 Callowhill, Phila., Pa.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

14588— Switches (Horn)

Bowie Switch Co. (Break), 14 Montgomery, San Francisco, Cal.
Klaxon Co. ("Klaxon"), Bloomfield av, Newark, N. J.
MORSE FRANK W. ("Jost-Horn"), 289 Congress, Boston, Mass.
See adv index at end of book
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.

Switches (Industrial Railway)

See Railways, Industrial & Portable

14588a—Switches (Industrial Track)

American Frog & Switch Co., Hamilton, O.
See adv index at end of book
Central Frog & Switch Co., Cincinnati, O.
Cincinnati Frog & Switch Co., Madison rd & B. & O. R. R., Okley, Cincinnati, O.
Koppel Industrial Car & Equipment Co., Dept. H, Koppel, Pa.
Lakewood Engineering Co., Cleveland, O.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Signal Accessories Corp., Utica, N. Y.
Weir Frog Co. (Export Dept.), 43 Cedar, New York
Western Wheeled Scraper Co., Farnsworth, Aurora, Ill.

14589—Switches (Interlocking)

American Valve & Meter Co., Cincinnati, O.
Cleveland Frog & Crossing Co., Cleveland, Ohio
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Signal Accessories Corp., Utica, N. Y.
Union Switch & Signal Co., The, Swissvale, Pa.
Wharton Wm. Jr. & Co. Inc., Easton, Pa.

14590— Switches (Knife)

A. G. Mfg. Co. (Remote Control), Seattle, Wash.
Adam Frank Electric Co. (Type A. B. F.), 3650 Windsor, St. Louis, Mo.
Anderson Albert & J. Mfg. Co., 289 A, Boston, Mass.
Automatic Switch Co. (Pressure Regulating, Remote Control), 154 Grand, New York
Banner Electric Wks. of G. E. Co., Youngstown, O.
Barkelew Elec. Mfg. Co. ("Barkelew" 30 to 2,00 Amperes, "Star," 3 to 600 Amperes), Middletown, O.
Blake Electric Mfg. Co. ("Macfarlane"), 1 Rowes Wharf, Boston, Mass.
Bowice Switch Co., 14 Montgomery, San Francisco, Cal.
Brady Electric Mfg. Co., New Britain, Conn.
Brown & Pengilly, Inc. (Large), 2114 E 9th, Los Angeles, Cal.
Bryant Electric Co., 1421 State, Bridgeport, Conn.
Carman & Tryer, 113 N Noble, Indianapolis, Ind.
Chicago Railway Signal & Supply Co., 122H S Michigan av, Chicago, Ill.
Cleveland Switchboard Co., 2045 E 79th, Cleveland,
Columbia Metal Box Co., 226 E 144th, New York
Condit Elec'l Mfg. Co. (Non-Resistance Motor Starters, Remote Control, Oil Break), 842 Summer, Boston, Mass.
Connecticut Electric Mfg. Co., Bridgeport, Conn.
Consolidated Car Heating Co. (For Car Heat, Light "Quick Brake"), Albany, N. Y.
Crocker-Wheeler Co. ("Remek"), Ampere, N. J.
Crouse-Hinds Co. (Alsa Radial), Syracuse, N. Y.
Cutter Geo. Co. ("Paragon," "F. F."), South Bend, Ind.
Drendell Electrical & Mfg. Co. ("Demco"), 1245 Howard, San Francisco, Cal.
Electric Controller & Mfg. Co., Cleveland, Ohio *See adv index at end of book*
Electrical Mfg. Co., 4149 E 79th, Cleveland, O.
Erner Electric Co., 1240 Ontario, Cleveland, O.
Eynons-Evans Mfg. Co. ("White"), N 15th & Clearfield, Phila., Pa.
Fauch Elec. Mfg. Co., 105 N 9th, Portland, Ore.
Fralick S. R. & Co. ("Kwikon" Safety), 15 S Clinton, Chicago, Ill.
GENERAL ELECTRIC CO., Schenectady N. Y. *See adv index at end of book*
Gold Car Heating & Lighting Co. (For Electric Heaters), 220 36th, Brooklyn, N. Y.
Hart Mfg. Co. (Remote Control), 230 Hamilton, Hartford, Conn.
See adv index at end of book
Heinemann Geo., 1224 N 8th, Phila., Pa.
Hollins & Arrousez Elec. & Eng. Co., Naud & Wilhardt, Los Angeles, Cal.
Leader Iron Wks. (Pressed Regulating), Decatur, Ill.
Lemke Electric Co., 569 Cedar, Milwaukee Wis.
Leonard Electric Mfg. Co., 2907 H Perkins av, Cleveland, O.
Lundin Electric & Machine Co., 19 Thatcher, Boston, Mass.
Manhattan Electrical Supply Co., 17 Park pl, New York
Marron Mfg. Co., Rock Island, Ill
Menominee Electric Mfg. Co. ("Davis"), Menominee, Mich.
Metropolitan Electric Mfg. Co. ("Metropolitan"), 14th, Long Island City, N. Y.
Meyers Safety Switch Co., 419 Tehama, San Francisco, Cal.
Milwaukee Vault & Electric Cabinet Box Co., 521 Market, Milwaukee, Wis.
Mutual Electric & Machine Co. ("Bulldog" All Copper), 232 Fort, W. Detroit, Mich.
New Haven Electric Mfg. Co., 296 Elm, New Haven, Conn.
New Haven Switch Co., North Haven, Conn.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Novelty Electric Co., 50 N 4th, Phila., Pa.
Palmer Electric & Mfg. Co. (Controller Remote Controller), 175H 5th, Boston, Mass.
Parke Jno. Y. Co. (Dirs.), 29 N 7th, Phila., Pa.
Penn Electrical & Mfg. Co., Irwin, Pa.
Peterson Chas. J. Co., 725 Fulton, Chicago, Ill.
Pittsburgh Electrical & Machine Works, Barker pl, Pittsburgh, Pa.
Post-Glover Electric Co., 503 W 4th, Cincinnati, O.
Pringle Electrical Mfg. Co., 1906 N 6th, Phila., Pa.
Reliable Elec. Co. (Telephone or Battery), 3145 Carroll av, Chicago, Ill.
Rohn Geo. F., 524 Jackson, Milwaukee, Wis.
Safety Electric Co. ("Seco"), 59 Columbia sq, San Francisco, Cal.
Safety Electric Products Co. (Externally Operated), 1548 Central av, Los Angeles, Cal.
Schmukler S. & Son, 2234 N 28th, Philadelphia, Pa.
Square D. Co. (Non-Resistance Motor Starting), 6060 Rivard, Detroit, Mich.
Steele W. M., 98 Beacon, Worcester, Mass.
Sundh El. Co. (Remote Control), 51 E 42d, New York
Tanner Wm. F. & Co. 511 S Sharp, Baltimore, Md.
Trio Mfg. Co., Rock Island, Ill.
Troy Electrical Co., Troy, N. Y.
Trumbull Electric Mfg. Co. ("Trumbull," Also Baby Knife), Plainville, Conn.
V. V. Fittings Co., 711 Cherry, Phila., Pa.
Walker Electric Co., 2337 Callowhill, Phila., Pa.
Waterbury Button Corp., 831 S Main, Waterbury, Conn.
See adv index at end of book
Wesco Supply Co. ("Davis"), 7th & Clark av, St. Louis, Mo.
Western Electric Co., 463 West, New York
WESTERN SAFETY MFG. CO., INC. ("Westest" Safety Switches), 247 Minna, San Francisco, Cal.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book
Worcester Electric & Mfg. Co. ("Worcester"), 42 Lagrange, Worcester, Mass.
Wurdack Elec. Electric Mfg. Co., 21 11th, St. Louis, Mo.

14591— Switches (Lever)

Bryant Electric Co., 1421 State, Bridgeport, Conn.
Chelten Electric Co., Stenton & Rockland, Phila., Pa.
GENERAL ELECTRIC CO., Schenectady N. Y. *See adv index at end of book*
Kilbourne & Clark Mfg. Co., 101 Spokane, Seattle, Wash.
MORSE FRANK W. ("Keystone," "Harwood," "Handy," "Puritan"), 289 Congress, Boston, Mass. *See adv index at end of book*
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.

14592— Switches (Limit)

CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis. *See adv index at end of book*
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Westinghouse Electric Mfg. Co., East Pittsburgh, Pa.

14592a— Switches (Manganese)

American Frog & Switch Co., Hamilton, O. *See adv index at end of book*
Weir Frog Co. (Export Office), 43 Cedar, New York

14593— Switches (Magnetic)

Butte Electric & Mfg. Co., 956 Folsom, San Francisco, Cal.
CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis. *See adv index at end of book*
ELECTRIC CONTROLLER & MFG. CO., Cleveland, O. *See adv index at end of book*
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
HART MFG. CO. ("Diamond H," Remote Control), 230 Hamilton, Hartford, Conn. *See adv index at end of book*
Moore Push Pin Co. ("Moore" Brass, Nickeled Steel, Enamel Clored, One-Piece Cut-Out), H, Wayne Junction, Phila., Pa.
Monitor Controller Co., 514 E Lomard, Baltimore, Md.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Palmer Electric & Mfg. Co., 175H 5th, Boston, Mass.
Ward Leonard Electric Co., Mount Vernon, N. Y.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa. *See adv index at end of book*

14594— *Switches (Master)

CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis. *See adv index at end of book*
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.

14595—Switches (Motor Starting)

Bryant Electric Co., 1421 State, Bridgeport, Conn.
Central States Steel Equipment Co. ("Better-Bilt" & "Central States"), Center & Allen, Joliet, Ill.
Crouse-Hinds Co., Syracuse, N. Y.
Federal Steel Products Co., 197 Frelinghuysen av, Newark, N. J.
Marsh & Lippincott, 47 Kearny, San Francisco, Cal.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
UNION ELECTRIC MFG. CO., 120 Reed, Milwaukee, Wis.
Wells-Morris Mfg. Co., 673 Folsom, San Francisco, Cal.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa. *See adv index at end of book*

14595a—Switches (Narrow Gauge Track)

AM. FROG & SWITCH CO. ("American"), Hamilton, O. *See adv index at end of book*
Central Frog & Switch Co., Cincinnati, O.
Cincinnati Frog & Switch Co., Madison rd & B. & O. R. R., Okley, Cincinnati, O.
Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*
Lakewood Engineering Co., Cleveland, O.
N. Y. Switch & Crossing Co., 15th, Hoboken, N. J.
Niagara Insula-Bake Speciality Co., Inc., Albany, N. Y.
Signal Accessories Corp., Utica, N. Y.
Weir Frog Co. (Export Dept.), 43 Cedar, New York

14596—Switches (Oil Break)

Alberene Stone Co. (Soapstone, Bases & Tops), 153 W 23rd, New York
Anderson Albert & J. M. Mfg. Co. (Time), 289 A, Boston, Mass.
Campbell Electric Co. (Automatic), 17 Stewart, Lynn, Mass.
Condit Electrical Mfg. Co. ("Condit" Non-Resistance Motor Starters, Remote Control Oil Break), 842 Summer, Boston, Mass.
CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis. *See adv index at end of book*
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
High Tension Elec. Spec. Co. (Weatherproof), Newton, Mass.
Kelman Elec. & Mfg. Co., 1650H Naud, Los Angeles, Cal.
Mushet W. E. Co. ("Wemco," "Safety"), 502H Mission, San Francisco, Cal.
Mutual Electric & Machine Co. ("Bulldog"), 232 Fort, W. Detroit, Mich.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Pacific Electric Mfg. Co., 827 Folsom, San Francisco, Cal.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa. *See adv index at end of book*
Worcester Electric & Mfg. Co., 42 Lagrange, Worcester, Mass.

14597—Switches (Overhead)

Duncan J. Co. ("Duncan," "Ideal," Track), 39 Parlin, Everett, Mass.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Pullinger George S. Co., East Stroudsburg, Pa.
Richards-Wilcox Mfg. Co., Aurora, Ill. *See adv index at end of book*
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa. *See adv index at end of book*

14598— Switches (Pendant)

Arrow Electric Co. ("Arrow"), Hartford, Conn.
BRYANT ELECTRIC CO. ("Bryant"), 1421 State, Bridgeport, Conn.
CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis. *See adv index at end of book*
GENERAL ELECTRIC CO. (& Through Cord), Schenectady, N. Y. *See adv index at end of book*
Gleason James & Co. (Gem Pendant & Flush), 515 W Jackson blvd, Chicago, Ill.
Hart & Hegeman Mfg. Co. ("H. & H."), Hartford, Conn.
Hart Mfg. Co., 230 Hamilton, Hartford, Conn. *See adv index at end of book*
Hubbell Harvey (Chain Pull), Bridgeport, Conn.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Pass & Seymour ("P. & S."), Solvay, N. Y.
Union Electric Co. (Push Button), 113H S Stockton, Trenton, N. J.

14599— Switches (Plug)

MORSE FRANK W. ("Morse"), 289 Congress, Boston, Mass. *See adv index at end of book*
Motsinger Device Mfg. Co. ("Motsinger Faultless"), Lafayette, Ind.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.

14600— Switches (Poletop)

Bowice Switch Co., 14 Montgomery, San Francisco, Cal.
Condit Electrical Mfg. Co. ("Condit"), 842 Summer, Boston, Mass.
Delta-Star Electric Co., 2437 Fulton, Chicago, Ill.
Electric Power Equipment Corp., 412 N 18th, Philadelphia, Pa.
K. P. F. Electric Co., 855 Howard, San Francisco, Cal.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Pacific Electric Mfg. Co., 827 Folsom, San Francisco, Cal.
Schwietzer & Conrad, Inc. ("S & C"), 4431 Ravenswood av, Chicago, Ill.

14600a—Switches (Portable Track)

AMERICAN FROG & SWITCH CO., Hamilton, O. *See adv index at end of book*
Lakewood Engineering Co., Cleveland, Ohio
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Velthardt Steel & Metal Corp. (Mill Representatives), 15 Park Row, New York
Weir Frog Co. (Export Office), 43 Cedar, New York

14600b— *Switches (Pull)

Clausen Engineering Office ("Clausen"), Bisbee, Ariz.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Signal Accessories Corp., Utica, N. Y.

14600c—Switches (Pull & Push)

Arrow Electric Co., Hartford, Conn.
BRYANT ELECTRIC CO., 1421 State, Bridgeport, Conn.
Connecticut Telephone Co., Meriden, Conn.
Cutler Hammer Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
Hubbell Harvey Inc. ("Hubbell"), Bridgeport, Conn.
Metal Specialties Mfg. Co. ("Presto" Automobile), 338 N Kedzie av, Chicago, Ill.
Morse Frank W. ("Morse," "Pullrite," "Sta-Rite"), 289 Congress, Boston, Mass. *See adv index at end of book*

Switches (Push Button)

See Switches, Snap & Push

14600d— Switches (Radio)

Adams Morgan Co., Upper Montclair, N. J.
Am. Radio & Research Corp., 203 College, Medford Hillside Mass.
Auth Electrical Specialty Co., 422 E 53d, New York
Barber Elec. Mfg. Co., N Attleboro, Mass.
Barkelew Elec. Mfg. Co. ("Barkelew"), Middletown, O.
Barnes The Wallace Co., Bristol, Conn. *See adv index at end of book*
Bliss R. W. Co., Atlantic, Mass.
Bronx Radio Equipment Co., 687 Cortland av, New York
Bunnell J. H. & Co., 32 Park, New York
Cardwell Allen D. Mfg. Co., 81 Prospect, Brooklyn, N. Y.
CARTER RADIO CO., 209 S State, Chicago, Ill.
Chapman Machine Corp., Terryville, Conn. *See adv index at end of book*
Chelton Elec. Co., 4859 Stenton av, Phila., Pa.
Clapp-Eastham Co., 139 Main, Cambridge, Mass.
Conn. Tel. & Elec. Co., Meriden, Conn.
Crocker Wheeler Co., Ampere, N. J.
Cutler-Hammer Mfg. Co., 12th & St. Paul av, Milwaukee, Wis. *See adv index at end of book*
De Forest Tel. & Telg. Co., 1415 Franklin, Jersey City, N. J.
Eastern Precision Electrical Co., Rockville Centre, New York
Electric Machine Co., Pratt & Meridian, Indianapolis, Ind.
Freed-Eisemann Radio Co., Sperry bldg, New York
Heslar Radio Corp,, 1140 S Division, Indianapolis, Ind.
Horne Mfg. Co., 243 Mercer, Jersey City, N. J.
Howard Radio Co., Inc., 451-469 E Ohio, Chicago, Ill. *See adv index at end of book*
Jefferson Elec. Mfg. Co., 430 S Green, Chicago, Ill.
Keystone Radio Co., Greenville, Pa.
Kilbourne & Clark Mfg. Co. ("K, & C"), 101 Spokane, Seattle, Wash.
Magnus Electric Co., Inc. ("Magnus"), 451 Greenwich, New York
Marshall Gerken Co. ("Thoroughbred"), 27 Ontario, Toledo, O.
National Radio Co., Marshall, Minn.
Penn Wireless Mfg. Co., New Castle, Pa.
Parkin Mfg. Co., San Rafael, Cal.
Radio Spec. Co., 96 Park pl, New York
Scovill Mfg. Co. (Parts), Waterbury, Conn. *See adv index at end of book*
Ship Owners Radio Service (Dirs.), 80 Washington, New York
Signal Elec. Co., Menominee, Mich.
Snow Albert E. & Co., 252 B'way, New York
Westfield Machine Co., Westfield, Mass.
Wilcox Laboratories, 2208 E Mich. av, Lansing, Mich.
Wireless Improvement Co., 66 York, Jersey City, N. J.
Wireless Shop, 1262 W 2d, Los Angeles, Cal.

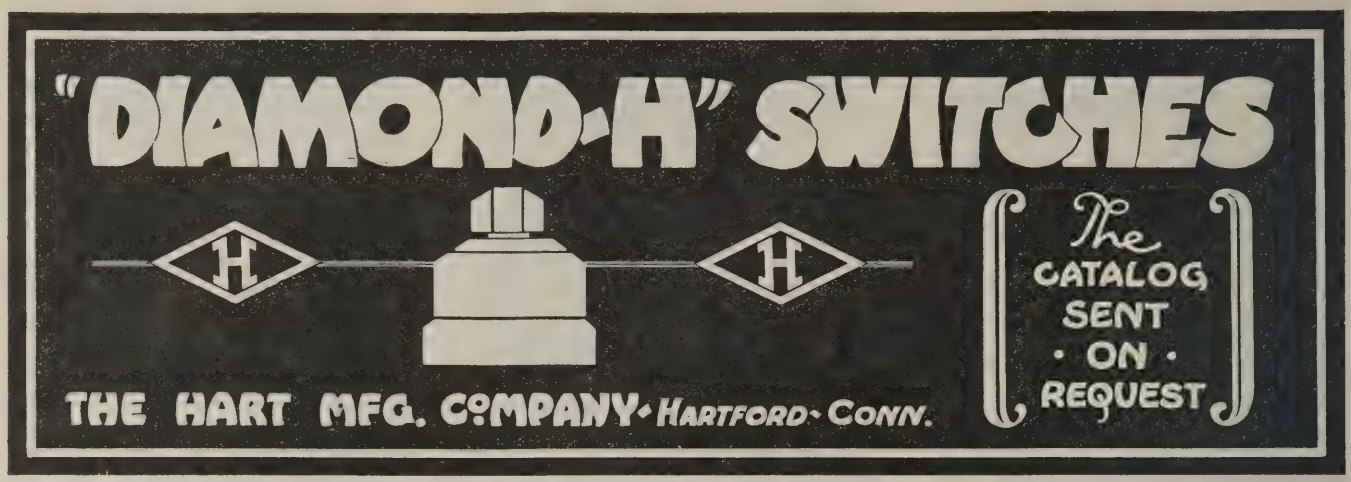
14601—Switches (Reversing Motor)

Automatic Switch Co. ("Whittingham," for elevators, etc.), 154 Grand, New York
Brown & Pengilly, Inc., 2114 E 9th, Los Angeles, Cal.
Electric Controller & Mfg. Co., Cleveland, Ohio *See adv index at end of book*
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Hart Mfg. Co. ("Diamond H"), 230 Hamilton, Hartford, Conn. *See adv index at end of book*
Industrial Controller Co., 890 Greenbush, Milwaukee, Wis.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa. *See adv index at end of book*

14602—Switches (Rotary Flush & Push Button)

Arrow Electric Co., Hartford, Conn.
Brown & Pengilly, Inc., 2114 E 9th, Los Angeles, Cal.
Bryant Electric Co., 1421 State, Bridgeport, Conn.

(Continued on following page)



Switches (Rotary Flush & Push Button)—Cont.

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*

HART MFG. CO. ("Diamond H."), **230** Hamilton, Hartford, Conn. *See adv index at end of book*

Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.

14603—Switches (Signal or Target)

American Safety Lamp & Mine Supply Co., 1327 Capouse av, Scranton, Pa.

Columbia Machine Works & Malleable Iron Co. ("Columbia" for Electric Ry. Service), Atlantic av & Chestnut, B'klyn, N. Y.

Elev. Automatic Appliance Co., 1749 Arapahoe, Denver, Col.

Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.

Signal Accessories Corp., Utica, N. Y.

14604—Switches (Snap, Ordinary)

Arrow Electric Co. ("Arrow"), Hartford, Conn.

Briggs & Stratton Co., 1047 Louis, Milwaukee, Wis.

BRYANT ELECTRIC CO., 1421 State, Bridgeport, Conn.

Chelten Electric Co., 4859H Stenton av, Phila., Pa.

Connecticut Tele. & Elec. Co., 70 Britnia, Meriden, Conn.

Edwards & Co., 140th & Exterior, New York

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*

HART MFG. CO. ("Diamond H."), **230** Hamilton, Hartford, Conn. *See adv index at end of book*

Hart & Hegeman Mfg. Co. ("H. & H.," "Hart"), **Hartford, Conn**

Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.

Paulding John L, New Bedford, Mass.

Standard Elec. Mfg. Co., 925 Wrightwoood av, Chicago, Ill.

Western Elect. Co. (Toggle), **463 West,** New York

Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa. *See adv index at end of book*

14605—Switches (Snap & Push)

Arrow Electric Co. ("Arrow E," Push), Hartford, Conn.

Austin M. B. & Co. (Push), 706 W. Jackson blvd, Chicago, Ill.

Bryant Electric Co. ("Bryant," "Perkins"), 1421 State, Bridgeport, Conn.

Chelten Electric Co. (Push Button), Stenton & Rockland, Phila., Pa.

Connecticut Elec. Mfg. Co. (Push Button), Conn. av, Bridgeport, Conn.

Cowles C. & Co. (Push Button), New Haven, Conn.

CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis. *See adv index at end of book*

Cutter Electrical & Mfg. Co., Dept. H, 19th & Hamilton, Phila., Pa.

Fowler Lamp & Mfg. Co. ("Fowler" Push for Motor Cars & Boats), 59 E 24th, Chicago, Ill.

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*

Hart & Hegeman Mfg. Co. ("H. & H.," "Nutmeg"), **Hartford, Conn.**

HART MFG. CO. ("Diamond H," Push Button), **230 Hamilton, Hartford,** Conn. *See adv index at end of book*

Horne Mfg. Co., 243 Mercer, Jersey City, N. J.

Hubbell Harvey Inc., State & Bostwick av, Bridgeport, Conn.

Keil Francis Son (Push Button), **401** E 163rd, New York

Manhattan Electrical & Supply Co. ("Mesco" Push Button Rotary), 17 Park pl, New York

Metropolitan Electric Mfg. Co., 14th, Long Island City, N. Y.

Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.

Sundh Electric Co. (Remote Contact), 5 Av C, Newark, N. J.

Trumbull Electric Mfg. Co. ("T," Rotary Snap), Plainville, Conn.

Union Elect. Co. (Push Button Pendant), Trenton, N. J.

Waterbury Button Corp., 831 South Main, Waterbury, Conn. *See adv index at end of book*

Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa. *See adv index at end of book*

14606— Switches (Solenoid)

CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis. *See adv index at end of book*

Industrial Controller Co., 890 Greenbush, Milwaukee, Wis.

Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.

14607—Switches (Solenoid Operated)

Condit Electrical Mfg. Co. ("Condit"), 842 Summer, Boston, Mass.

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*

Gold Car Heating & Lighting Co., 220 36th, Brooklyn, N. Y.

Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.

14608-9— Switches (Split)

American Frog & Switch Co., Hamilton, O. *See adv index at end of book*

Bethlehem Steel Co. (Railroad), Bethlehem, Pa.

Buda Co., Harvey, Ill.

Central Frog & Switch Co., Cincinnati, O.

Cincinnati Frog & Switch Co., Cincinnati, Ohio

Cleveland Frog & Crossing Co. ("The Lucas"), **6917 Bessemer av, Cleveland, O.**

Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*

Elliott Frog & Switch Co., 301 S Main, East St. Louis, Ill.

Hoflus Steel & Equipment Co., L. C. Smith bldg, Seattle, Wash.

Morden Frog & Crossing Works, 208 S La Salle, Chicago, Ill.

N. Y. Switch & Crossing Co., 15th, Hoboken, N. J.

Niagara Insula-Bake Specialty Co., Inc., **Albany, N. Y.**

Pettibone Mulliken & Co. ("Transit"), 140 S Dearborn, Chicago, Ill.

Ramapo Iron Works, Hillburn, **N. Y.**

WHARTON WM. JR. & CO. INC. (Plain & "Tisco" Manganese Steel Tipped), Easton, Pa.

14610—Switches, Switch Stands & Fixtures

See also Frogs, Switches & Crossings; also Crossings; also Signals

American Frog & Switch Co., Hamilton, O. *See adv index at end of book*

AMERICAN FROG & SWITCH CO.
HAMILTON, OHIO

Am. Valve & Meter Co. ("Anderson" Interlocking, Quick Repair, Safety Switch, Lock Stands, "Buckeye" & "Economy"), 2833 Spring Grove av, Cincinnati, Ohio

Atlas Railway Supply Co. ("Atlas"), **431** S Dearborn, Chicago, Ill.

Bethlehem Steel Co. ("Hook Heel" & "Improved" Switches, "Main Line," "New Century," "New Era," "Steelton Positive," Switch Stands), Bethlehem, **Pa.**

Buda Co., Harvey, Ill.

Central Frog & Switch Co., Madison rd & B. & O. R. R., Okley, Cincinnati, O.

Cincinnati Frog & Switch Co. (For Standard & Narrow Gauge Tracks), Cincinnati, O.

Cleveland Frog & Crossing Co. ("The Lucas"), 6917 Bessemer av, Cleveland, O.

Cleveland Railway Supply Co. ("Odenkirk," "Miller" Switchstands), Swetland bldg, Cleveland, Ohio

Conley Frog & Switch Co., Memphis, Tenn.

Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*

Elliott Frog & Switch Co., 301 S Main, East St. Louis, Ill.

Federal Signal Co., Albany, N. Y.

Fishel & Marks Co., Ft. of Krakow av, Cleveland, O. *See adv index at end of book*

Fox Bros. & Co., 126 Lafayette, New York

Frog, Switch & Mfg. Co., Carlisle, Pa.

Hoflus Steel & Equipment Co., L. C. Smith bldg, Seattle, Wash.

Hunt C. W. Co., West New Brighton, N. Y. *See adv index at end of book*

Indianapolis Switch & Frog Co., Springfield, O.

Kilby Frog & Switch Co., Birmingham, Ala.

Levis Henry & Co., 303 Commercial Trust bldg, Phila., Pa.

Light Railway Equipment Co., 526 Commercial Trust bldg, Phila., Pa.

Lorain Steel Co., Johnstown, Pa.

McMyer-Interstate Co. (Switch Stands & Fixtures Only), Cleveland, O. *See adv index at end of book*

Morden Frog & Crossing Works, ("Union") 208 S La Salle, Chicago, Ill.

Nelson Iron Works, 45 Spokane av, Seattle, Wash.

New York Switch & Crossing Co., Hoboken, N. J.

Niagara Insula-Bake Speciality Co., Inc., Albany, N. Y.

Pettibone Mulliken & Co. ("Banner" "Crown," "Axel," "Hub," "Box"), 140 S Dearborn, Chicago, Ill.

Railway & Industrial Engineering Co., Dept. H, Greensburg, Pa.

Ramapo Iron Works ("Ramapo"), Hillburn, N. Y.

St. Louis Frog & Switch Co., Chemical bldg, St. Louis, Mo.

Seattle Frog & Switch Co., Smith bldg, Seattle, Wash.

Signal Accessories Corp., Utica, N. Y.

Track Specialties Co., Inc. (Dirs., Switch Stands), 2-4-6 Morris, New York

Turl Iron & Car Co. (Inc.) The, 50 Broad, New York. Works: Newburgh, N. Y.

U. S. Wind & Engine Pump Co. ("U. S." Switch Stands), Water, Batavia, Ill.

WEIR FROG CO., Foreign Dept., 43 Cedar, New York

Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book
Wharton Wm. Jr. Co. Inc., Easton, Pa.

14610a—Switches (Synchronizing)

Niagara Insula-Bake Specialty Co., Inc., **Albany, N. Y.**

14611— Switches (Tank)

Automatic Switch Co., 154 Grand, New York
Chicago Pump Co., 2342 Wolfram, Chicago, Ill.
CUTLER-HAMMER MFG. CO. (automatic), 12th & St. Paul, Milwaukee, Wis.
See adv index at end of book
Electric Controller & Mfg. Co., Cleveland, Ohio *See adv index at end of book*
Irish W. F. Electric Supplies ("Shamrock"), 130 W 132d, New York
Jarvis Engine & Machine Works, Lansing, Mich.
Kewanee Private Utilities Co., West Side, Kewanee, Ill.
Leahy John J., 48 Dey, New York
Monitor Controller Co., 514 E Lombard, Baltimore, Md.
Niagara Insula-Bake Specialty Co., Inc., **Albany, N. Y.**
Partrick & Wilkins Co., 51 N 7th, Philadelphia, Pa.
Pringle Electrical Co., 1906 N 6th, Philadelphia, Pa.
Sundh Electric Co., 5 Av C, Newark, N. J.
Twinvolute Pump & Mfg. Co., 55 William, New York
Waldman Jno. J., 64 Murray, New York
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

14612— Switches (Theatre)

Adam Frank Electric Co., 904-14 Pine, St. Louis, Mo.
Crouse-Hinds Co., Syracuse, N. Y.
Niagara Insula-Bake Specialty Co., Inc., **Albany, N. Y.**
Palmer Electric & Mfg. Co., 175H Fifth, Boston, Mass.
Trumbull Electric Mfg. Co., Plainville, Conn.

14613—Switches (Time, Automatic)

A. & W. Electric Sign Co., W 3d & Prospect av, Cleveland, O.
American Time Switch Co. ("American"), Frankfort av, Cleveland, O.
Anderson Albert & J. M. Mfg. Co. ("Anderson"), 289 A, Boston, Mass.
Berry McKnight Clock Co., Marine City, Mich
Campbell Electric Co. ("Campbell"), 17 Stewart, Lynn, Mass.
Central Burglar Alarm Co., 1725 W Wash., **Chicago, Ill.**
Cramer R. W. & Co. ("Sauter"), **136** Liberty, New York
Fenning L. T. ("Fenning"), **Jackson, O.**
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Hansen Mfg. Co., Princeton, Ind.
Hartford Time Switch Co. ("Hartford"), 71 Murray, New York
Jarvis Engine & Mach. Works, Lansing, Mich.
Kennedy-Webster Co. ("Commonsense"), 425 S Wabash, Chicago, Ill.
Manhattan Electrical Supply Co. ("Mesco"), 17 Park pl, New York
Mercury Time Switch Co. ("Mercury"), 103 W Atwater, Detroit, Mich.
Minerallic Electric Co. (Motor Ground), 1045 Washington blvd, Chicago, Ill.
National Time Switch Co., South Bend, Ind.
Niagara Insula-Bake Specialty Co., Inc., **Albany, N. Y.**
Paragon Elec. Co. ("Paragon"), 37 W Van Buren, Chicago, Ill.
Reliance Automatic Ltg. Co., Racine, Wis.
Sorensen P., 18 Dunham pl, B'klyn, N. Y.
U. S. Air Compressor Co., Harvard av, Cleveland, Ohio
Waldman John J., 64 Murray, New York
Westinghouse Electric & Mfg. Co., East **Pittsburgh, Pa.**
See adv index at end of book

14614—Switches (Track, Street Railway)

American Frog & Switch Co., Hamilton, O.
See adv index at end of book
New York Switch & Crossing Co., Hoboken, N. J.
Niagara Insula-Bake Specialty Co., Inc., **Albany, N. Y.**
Squires C. W. Mfg. Co. (Electric Track Switching), Beverly, Mass.
Weir Frog Co., Cincinnati, Ohio
WHARTON WM. JR. & CO. INC. (Solid "Tisco" & "Tisco" Manganese Steel Centre Tongue Switches of "H. C. R." & "G. H." Designs), Easton, Pa.

14615— Switches (Trolley)

Chisholm-Moore Mfg. Co. ("Matchless" Adjustable), 5046 Lakeside av, Cleveland, Ohio
Curtis & Co. Mfg. Co., 1563 Kienlen av, St. Louis, Mo.
GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book
Niagara Insula-Bake Specialty Co., Inc., **Albany, N. Y.**
Railway Materials Co. ("Ryhmco"), Railway Exch. bldg, Chicago, Ill.
Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book
Sackett Mine Supply Co., 164 N 3d, Columbus, O.
Westinghouse Electric Mfg. Co., **East Pittsburgh, Pa.**
See adv index at end of book

14616—Switches (Tumbler)

Arrow Electric Co., Hartford, Conn.
Bryant Electric Co. (Snap), 1421 State, Bridgeport, Conn.
GENERAL ELECTRIC CO. (Flush & Surface Types), Schenectady, N. Y.
See adv index at end of book
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.

Switches & Turn Tables (Mine)

See Railways, Industrial & Portable

14617—Switches & Frogs (Safety)

Allen-Bradley Co. (Non-Resistance Meter starting Switches), 286 Greenfield av, **Milwaukee, Wis.**
Marks & Fiske, 2507 24th, Detroit, Mich.
Mushet W. E. Co. ("Wemco" Electric), 700 2d, San Francisco, Cal.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Ramapo Iron Works ("Mac Pherson"), Hillburn, N. Y.

14618— Swivels

American Well Works (Drilling), Aurora, Ill. *See adv index at end of book*
Bacon & Matheson Forge Co., 17H W Lander, Seattle, Wash.
Bethlehem Steel Co., So. Bethlehem, Pa.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Bridgeport Chain Co., Bridgeport, Conn.
See adv index at end of book
Brooks M. S. & Sons (Solid Flat, Nickle or Brass or Steel, etc), Chester, Conn.
Dent Hardware Co., Fullerton, Pa.
Emsco Tool Co., 70th & Alameda, Los Angeles, Cal.
Gerdes & Co., 42 Church, New York
See adv index at end of book
Hoopes & Townsend Co. (Closed or Pipe, Open or Arm, etc.), Broad & Buttonwood, Phila., Pa
Lattimer-Stevens Co., 74 E Gay, Columbus, Ohio
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Lothrop L. D. & Son (Cod Fish), Gloucester, Mass.
Malleable Iron Fittings Co. (Galv. Mall. Iron) ("M. I. F. Co."), Branford, Conn.
Marine Hardware Equipment Co., South Portland, Me.
Niagara Falls Metal Stamping Works ("Niagara," all Steel), Niagara Falls, N. Y.
Pratt Wm. E. Mfg. Co. (Chain, Lariat, etc), 35 W Lake, Chicago, Ill.
Stowell Co. (The), So. Milwaukee, Wis.
Taylor E. L. & Co., 71 First, Portland, Ore.
Union Tool Co., H, Union Oil bldg, Torrance, Cal.
Washburn Co. (Wire Goods Div.) (Steel Wire), 28 Union, Worcester, Mass.
Wilcox, Crittenden & Co., Inc. (Wrought Brass & Malleable), 444 S Main, Middletown, Conn.
See adv index at end of book
Williams J. H. & Co. ("Vulcan" Hook & Drop Forged), 400 Vulcan, Buffalo, N. Y.

14619— Swivels (Chain)

Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Carroll Chain Co., Columbus, O.
See adv index at end of book
Laughlin Thos. Co. (Drop Forged), 135 Fore, Portland, Me.
See adv index at end of book
Lederer S. & B. Co. (Small Fancy), 100 Stewart, Providence, R. I.
Marine Hardware Equipment Co., South Portland, Maine.
Ransome Concrete Machinery Co., Dunellen, N. J.
Stowell Co. (The), So. Milwaukee, Wis.
Williams J. H. & Co. (Forgings), 400 Vulcan, Buffalo, N. Y.

14620— Swivels (Halter)

Frazer & Jones Co., Syracuse, N. Y.
Metal Package Corp. of N. Y., 509 5th av, New York. *See adv index at end of book*
North & Judd Mfg. Co. ("Anchor Brand"), New Britain, Conn.

14621—Swivels (Punching Bag)

Cassady Fairbank Mfg. Co., 6106 S La Salle, Chicago, Ill.
Nicol & Co., 218 N Jefferson, Chicago, Ill.

14622—Swivels (Razor Strop)

Jenkinson R. C. & Co., 293 Washington, Newark, N. J.
North & Judd Mfg. Co. ("Anchor Brand"), New Britain, Conn.
Wickwire Spencer Steel Corp., 41 East 42nd, New York
See adv index at end of book

14623— Swivels (Snap)

Washburn Co. (Wire Goods Div.) (Steel Wire), 28 Union, Worcester, Mass.

14624—Swivels (Sucker Rod Joint)

Cook August D., Lawrenceburg, Ind.

14625— Swords

Ames Sword Co., Chicopee, Mass.
Horstmann Wm. H. Co., 5th & Cherry, Phila., Pa.
Lilley M. C. & Co., 6th & Long, Columbus, O.
Schoenhut A. Co. (Toy), E Haget & Sepviva, Phila., Pa.

14626— Synchroscopes

Schweitzer & Conrad, Inc. (Recording), 4431 Ravenswood av, Chicago, Ill.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
Weston Electrical Instrument Co., Waverly pk, Newark, N. J.

14627— Syphons (Acid)

Pyrene Mfg. Co., 520 Belmont av, Newark, N. J.
Schutte & Koerting Co., 1251 N 12th, Phila., Pa. *See adv index at end of book*

14627a— Syphons (Bilge)

14628—Syphons (Flush Tank)

Stary Frank & Sons, Cedar Rapids, Ia.

14629— Syphons (Glass)

Illinois Glass Co., Alton, Ill.
Owens Bottle Co., Toledo, O.

14630—Syphons (Steam Gauge)

CRESSMAN, N. C. CO., 111 S 5th, Phila., Pa.
Douds Frank C. & Co., New Castle, Pa.
Gwilliam Supply Co., 915 N Front, Phila., Pa.
Kelly & Jones Co. (Common), 135 Water, Pittsburgh, Pa.
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McNab & Harlin Mfg. Co. (Iron), Paterson, N. J.
National Gauge Co. (Pressure), 300 Pacific, Brooklyn, N. Y.
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.
Williams D. T. Valve Co., Cincinnati, O.

14631—Syphons (Steam Jet)

Douds Frank C. & Co., New Castle, Pa.
SCHUTTE & KOERTING CO. ("Koerting" Universal Bilge), 1251 N 12th, Phila., Pa. *See adv index at end of book*



For handling liquids by means of steam jet. Simple; compact; reliable. Hand or automatic control. Also made water operated. *Catalog 2-A.*

Schutte & Koerting Co.
1251 North 12th Street
Philadelphia, Pa.

14632— Syringes (Glass)

Bobe P. Glass Wks., 2711 Lemp av, St. Louis, Mo.
Holland Instrument Co., 2314H N 11th, Phila., Pa.
Illinois Glass Co., Alton, Ill.
Tagliabue C. J. Mfg. Co., 20H 33d, Brooklyn, N. Y.

14633-4—Syringes (Hypodermic)

Banks F. S. & Co., 78 Reade, New York
Berton Dickinson & Co., Rutherford, N. J.
Higgins Dental Mfg. Co. (Obtaining), Bellevue, O.
National Thermometer Co., 125 E 23d, New York
Randall-Faichney Co. ("Matchless," "Safety Triumph," "Imperial" Dental, etc), Boston, Mass.
Reid Bros. Co., Inc., 91 Drumm, San Francisco, Cal.
Tagliabue Chas. J. Mfg. Co., 18 33d, Brooklyn, N. Y.
Weinhagen & Hespe, 159 Leonard, New York

Syringes (Oil)

See Oil Guns & Syringes

14635— Syringes & Atomizers (Rubber)

Ajax Co., 220 W 57th, New York
American Hard Rubber Co., 9 Mercer, New York
Bailey C. J. & Co., 88 Brood, Boston, Mass.
Canton Rubber Co. (Syringes only), 211 7th S E, Canton, O.
Davidson Rubber Co., Boston, Mass.
Davol Rubber Co., 69 Point, Providence, R. I.
Faultless Rubber Co., Ashland, O.
Goodrich B. F. Rubber Co., Akron, O.
Hedgman Rubber Co., 8 W 40th, New York
Holland Instrument Corp, 2314 N 11th, Frankford, Phila., Pa.
Marvel Co., 25 W 45th, New York
Miller Rubber Co., Akron, O.
Myers Mfg. Co., Fremont, O.
National India Rubber Co., Bristol, R. I.
Parker, Stearns & Co. ("Alpha," "Omega"), 236 Sheffield av, Brooklyn, N. Y.
Rubber Products Co. (Syringes Only), Barberton, O.
Seamless Rubber Co., New Haven, Conn.
Star Rubber Co., Akron, O.
Tyer Rubber Co. ("Agate," "Invincible," "Merit" "Mirror" & "Tyrian," All kinds for All Purposes), Andover, Mass.
Whitall Tatum Co., 8 Barclay, New York

14636-7— Syrup (Corn)

American Maize-Products Co., 203 S 12th, New York
Clinton Corn Sugar Refining Co. ("Clinton"), Clinton, Ia.
Corn Products Refining Co., 17 Battery pl, New York
Hubinger J. C. Bros. Co., 840 Chapel, New Haven, Conn.
Stanley A. E. Mfg. Co., Decatur, Ill.
Union Starch & Refining Co., Edinburg, Ind.

14638— Table Claw Feet

Berbecker & Rowland Mfg. Co. (Solid Brass & Brass Plated, etc), Waterville, Conn.

14638a—Table Tops (Enameled Steel)

Central Metal Products Co. ("C. M. P."), Canton, Ohio
Enamel Products Co., Eddy rd & Taft av, Cleveland, O.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
VITREOUS STEEL PRODUCTS CORP., 6800 Grant av, Cleveland, Ohio

14639—Tables (Adjustable, Reading)

Baker J. R. & Sons Co., Kendallville, Ind.
Bernstein Mfg. Co., 3d & Allegheny, Phila., Pa.

14640— Tables (Bed Side)

Baker J. R. & Sons Co. ("Multi-Use" Adjustable), Kendallville, Ind.
Bernstein Mfg. Co., 3d & Allegheny, Phila., Pa.
Detroit Rack Co., 2545 Elmwood av, Detroit, Mich.

14641— Tables (Bench)

Goodell-Pratt Co. (Adjustable), Greenfield, Mass.

14642—Tables (Billiard & Pool)

Babcock Billiard Table Mfr., 401 S Clinton, Syracuse, N. Y.
Briggs Oliver L. & Son, 18 Boylston, Boston, Mass.
Brunner F. & Son, 671 Communipaw av, Jersey City, N. J.
Brunswick-Balke-Collender Co., 799 7th av, New York
Burrowes E. T. Co. (Portable), 68 Fare, Portland, Me.
Came J. E. Co., 114 Sudbury, Boston, Mass.
Clark Herd Mfg. Co., 2419 N Front, Phila., Pa.
Cleveland Billiard & Mfg. Co., 306 Prospect av, N E, Cleveland, O.
Dean C. P. Corp., Richmond, Va.
Decker Co., 62 Cooper sq, New York.
Delph's S. Sons, 4th & Liberty, Pittsburgh, Pa.
Dorr Wallie Co., 869 Murray, New York
Ginzburg M., 134 Bowery, New York
Hughes & Chipman, 1405 Maine, Kansas City, Mo.
Jungblut Aug. Co., 333 Fillmore, San Francisco, Cal.
Keafer L., 329 W Girard av, Phila., Pa.
Klenk August, 1428 Van Dyke, Detroit, Mich.
Koehler & Hinrichs, St. Paul, Minn.
McFarland J. C. Co. (Steel Billiard), 520 W 36th, Chicago, Ill.
National Billiard Mfg. Co., 1419 Plum, Cincinnati, O.
Passow & Sons (Supplies), 2101 S Allport, Chicago, Ill.
Pick Albert & Co., 212 W Randolph, Chicago, Ill.
Schwikert Frank & Son, Rochester, N. Y.
Stillwater Mfg. Co., Stillwater, Minn.

14643— Tables (Brazing)

American Gas Furnace Co., Elizabeth, N. J.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

Tables (Brick Cutting)

See Brick Cutting Machinery

14644—Tables (Brick Dump)

Hadfield-Penfield Steel Co. (The), (Revolving), Bucyrus, O.
See adv index at end of book

14644a—Tables (Cafeteria, Lunchroom & Restaurant)

Chicago Hardware Foundry Co., Chicago, Ill.
Detroit Rack Co. (& Furniture), 2545 Elmwood av, Detroit, Mich.
Hill C. V. & Co., 360H Pennington, Trenton, N. J.
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, **N. J.**
See adv index at end of book
Logues Furniture Mfg. Co., 470 2d, Oakland, Cal.
Long Walter Mfg. Co., 1312 Muriel, Pittsburg, Pa.
National Mill & Lbr. Co., 320 Market, San Francisco, Cal.
Snug Seat Co. of Am. ("Snug"), 735 Herron av, Pittsburgh, Pa.
Vitrolite Co., Chamber of Commerce, Chicago, Ill.

14645— Tables (Canners')

Huntley Mfg. Co. ("Monitor" Tomato Peeling Tables), Silver Creek, N. Y.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
Koven L. O. & Bro., Inc., 54 Ogden av, Jersey City, N. J.
See adv index at end of book
LINK-BELT COMPANY ("Link-Belt" Sanitary Peeling Tables), 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Littleford Bros., 444 E Pearl, Cincinnati, O. *See adv index at end of book*
Premier Machinery Co., 310 Sansome, San Francisco, Cal.
See adv index at end of book
Smith Mfg. Co. Inc., Stockton & Alameda, San Jose, Cal.

14646—Tables (Card & Folding)

Adjustable Leg Table Co., 1120 Oak, San Francisco, Cal.
Acme Novelty Co., Jamestown, N. Y.
Bear G. H. Furniture Co. (Folding Card), Allentown, Pa.
Brandlein R. & Co., 381 10th, San Francisco, Cal.
Built-In Fixture Co. ("Peerless" Built-In Folding), 2608 San Pablo av, Berkeley, Cal.
Burrowes E. T. Co. ("Forum," "Regis," "Tuxedo," "Featherweight," "Midget," "Primus," "O. K.," also 42 inch Round & Vedette Round), Portland, Me.
Carrom Co. ("Acme," "Peerless" Folding), Ludington, Mich.
Ferguson Bros. Mfg. Co., 832 Monroe, Hoboken, N. J.
Gold Medal Camp. Furn. Mfg. Co. ("Gold Medal" Folding), 1700 Rickard av, Racine, Wis.
Metal Stamping Corp., E 12th, Streator, Ill.
Mueller H. G. Mfg. Co. (Folding Card), Sheboygan, Wis.
Ohio Spring Bed Co., 128 E 38th, Cleveland, O.
Pa. Construction Co. (Folding), Marietta, Pa.
Pratt Mfg. Co. (Folding Card), Coldwater, Mich.
Puff Mfg. Co. ("Foltable" and "Seatable"), 1420 S Los Angeles, Los Angeles, Cal.
Readsboro Chair Co., Readsboro, Vt.
Sidway Mercantile Co., Elkhart, Ind.
Steinfeld Bros., 116 W 22d, New York
Stokes Wm. A. & Co., 50 Howard, New York
Strobel Philip & Sons, 53 Elizabeth, New York
Tucker Duck & Rubber Co. ("Peerless"), Ft. Smith, Ark.
Udell Works, Indianapolis, Ind.
Wausau Novelty Co., Wausau, Wis.
West Coast Specialty Co., Fitzpatrick bldg, Portland, Ore.

14647—Tables (Coal Picking)

Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
South Side Fdry. & Mach. Wks., Charleston, W. Va.

14647a— Tables (Conveyor)

Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
U. S. Bottlers' Machy. Co. (Revolving), 2511 Park, Chicago, Ill.

14648— Tables (Display)

Bryan Novelty Mfg. Co., Bryan, O.
Cox S. S. Show Case Co., North Manchester, Ind.

14649—Tables (Drill, Universal)

Carlton Machine Tool Co., Spring Grove & Mecker, Cincinnati, O.

14650— Tables (Feed)

14651— Tables (Ironing)

Berg John Mfg. Co., 5001 S Wells, Chicago, Ill.
Clark J. R. Co. ("Rid-Jid" folding), 2nd av N & Aldrich, Minneapolis, Minn.
Davis Mfg. Co. ("Yankee"), Clinton, Me.
Domestic Laundry Equipment Corp. ("Domestic"), 234 W 26th, New York
Modern Mfg. Co. ("Emerson"), Hagerstown, Md.
Stokes Wm. A. & Co., 50 Howard, New York
Thurnauer G. M. Co. (Steel Frame), 6 E. 20th, New York

14652— Tables (Kitchen)

American Furniture & Fixture Mfg. Co., 2016 Violet, Los Angeles, Cal.
Bohn Refrigerator Co. ("Sanitor"), 1350 University av, St. Paul, Minn.
Built-In Fixture Co. ("Peerless" Wall Folding), 2608 San Pablo av, Berkeley, Cal.
Cleveland Metal Products Co., Platt av & C. & P. R. R., Cleveland, O.
Concealo Fixture Co. ("Concealo" Built-in), 1349 East 12th, Oakland, Cal.
Demmler & Schenck Co. (White Porcelain Enameled), 434 Penn av, Pittsburgh, Pa.
Economy Wall Fixture Co., 4274 S. Main, Los Angeles, Cal.
IXL Furniture Co., Goshen, Ind.
Ingram Richardson Mfg. Co. (Porcelain Tops), Beaver Falls, Pa.
Logues Furniture Mfg. Co., 470 2nd, Oakland, Cal.
Southern Fixture Co. (Built-In), 1220 E. Slauson av, Los Angeles, Cal.
Teepe J. Chas., Inc. (Porcelain Tops), Mott & Vernon avs, Long Island City, N. Y.
Uphus A. J. & Co. ("Artkraft"), 2315 Western av, Seattle, Wash.
Vincennes Furniture Mfg. Co., Vincennes, Ind.

14653— Tables (Mailing)

Art Metal Construction Co. (Steel), Jamestown, N. Y.
Dexter Metal Mfg. Co. (Steel), 93 Arch, Camden, N. J.
Shults H. H. Co., Gowanda, N. Y.

14653a— Tables (Manicuring)

Hudson Beauty Furn. Co., 1125 Sentous, Los Angeles, Cal.
Monument Pottery Co. (Porcelain & Vitreous), Trenton, N. J.

14653a— Tables (Metal)

Koven & Brother, Inc., L. O., 154 Ogden av, Jersey City, N. J.
See adv index at end of book

TABLES—Metal

Tables for kitchens and industrial plants made of steel, plain or galvanized; also of monel metal. Special designs suitable for any purpose or location.

L. O. KOVEN & BROTHER, Inc.
154 Ogden Avenue, Jersey City, N. J.

Tables (Operating)

See Furniture, Hospital; also Furniture, Surgical

14654— *Tables (Peeling)

See also Tables, Canners'

Anderson-Barngerover Mfg. Co., 333 W. Julian, San Jose, Cal.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Jeffrey Mfg. Co., 961 N Fourth, Columbus, Ohio *See adv index at end of book*

14655— Tables (Picking)

Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Fairmont Mining Machy. Co., Fairmont, W. Va.
Howe Scale Co. of Illinois, 1222 S Wabash av, Chicago, Ill.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
LINK-BELT COMPANY, 300 W. Pershing rd, Chicago, Ill.
See adv index at end of book
McLanahan-Stone Machine Co., Hollidaysburg, Pa.
Morrow Mfg. Co., Wellston, O.
Pittsburgh Conveying Machinery Co. (For Coal, etc., 4th & Duquesne wy, Pittsburgh, Pa.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book

14656— Tables (Plane)

Gurley W. & L. E., 514H Fulton, Troy, N. Y.
Keuffel & Esser Co., Hoboken, N. J.

14657—Tables (Rolling Mill Feed)

Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Mackintosh-Hemphill Co., 12th & Etna, Pittsburgh, Pa.
Morgan Construction Co., Worcester, Mass.
Morgan Engineering Co. (Electric), Alliance, O.
National Roll & Fdry. Co., Avonmore, Pa.
Penna. Engng. Works, New Castle, Pa.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
United Engineering & Foundry Co., Farmers Bk. bldg, Pittsburgh, Pa.
Wheeling Mold & Foundry Co. (Blooming Mill Tables & Manipulators, etc), Wheeling, W. Va.

14658—Tables (Saw Brazing)

Covel Mfg. Co., Benton Harbor, Mich.
Hanchett Swage Works, Big Rapids, Mich.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*

14659— Tables (Separating)

Sutton Steele & Steele, Inc. (for Separating and purifying field seeds and cereals), Dallas, Texas

14660— Tables (Sewing)

Conrey-Davis Mfg. Co., Shelbyville, Ind.
Curtiss Brothers, Richland, N. Y.
Davis-Birely Table Co., Shelbyville, Ind.

14661— Tables (Slime)

See also Mining Machinery

Deister Concentrator Co. ("Deister" & "Deister-Overstrom"), Fort Wayne, Ind.
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Mine & Smelter Supply Co. ("Wilfrey"), 42 B'way, New York

14662—Tables (Soap Cutting)

See also Soap Makers' Machinery

Houchin Aiken Co., 113 53d, Brooklyn, N. Y.

14663—Tables (Spacing, Hand & Automatic)

Cleveland Punch & Shear Works Co., 3917 St. Clair av N E, Cleveland, O.
See adv index at end of book
Long & Allstatter Co., Hamilton, O.
See adv index at end of book
Thomas Spacing Machine Company, Glenshaw, Pa.

14664—Tables (Spring Assembling)

Ryerson Jos. T. & Son, Inc. (Hydraulic Ball Bearing), 2558 W. 16th, Chicago, Ill. *See adv index at end of book*

14665— Tables (Steel)

Art Metal Construction Co. (Adding Machines, Billing Machines, Dining, Directors, Dispensary, Mixing, Library, Serving, Typewriter), Jamestown, N. Y.
Aurora Steel Products Co., 3d, Aurora, Ill.
Bayer-Rothgeb Co. (Wood Top), Santa Fe av, Los Angeles, Cal.
Bernstein Mfg. Co. 3d & Allegheny, Phila., Pa.
Buffalo Metal Furniture Mfg. Co. ("Neverwear" Steel Restaurant, Cafe, etc; also Iron Base) Buffalo N. Y.
Demmler & Schenck Co., 434 Penn av, Pittsburgh, Pa.
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Dow Co., 201H N Buchanan, Louisville, Ky.
Durand Steel Locker Co. (For Offices, Engineering Plants, etc.), 76 W Monroe, Chicago, Ill.
General Fireproofing Co. (The), 2308 Logan av, Youngstown, O.
See adv index at end of book
Heltzel Steel Form & Iron Co. (The), Warren, Ohio *See adv index at end of book*
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Lupton's David Sons Co., Allegheny av & Tulip, Phila., Pa.
See adv at Shelving Steel
Lyon Metallic Mfg. Co. ("Lyon," For All Purposes), Aurora, Ill.
Metal Office Furniture Co., Grand Rapids, Mich.
Michel & Pfeffer Iron Works (Packing House), 1417 Harrison, San Francisco, Cal.
Mills Co. (The), ("Factrequipment"), 5320 St. Clair av, Cleveland, Ohio
Moltrup Steel Products Co., 127H N Peroid, Beaver Falls, Pa.
New Britain Machine Co. ("New Britain"), 190 Chestnut, New Britain, Conn.
Watson Mfg. Co. (Office & Vault), Jamestown
Wilson Andrew Co., 616 Essex, Lawrence, Mass.

14666-7—Tables (Steel, Factory)

BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Central Metal Products Co. ("C. M. P."), Canton, Ohio
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
McMyler-Interstate Co. (The), Cleveland, Ohio *See adv index at end of book*
Mills Co. (The), ("Factrequipment"), 5320 St. Clair av, Cleveland, Ohio
Superior Tack & Nail Co., Derby, Conn.
Van Dorn Iron Works Co. (The), 2700 E. 79th, Cleveland, Ohio
See adv index at end of book

14668—*Tables (Tomato Peeling)

LINK-BELT COMPANY, 300 W. Pershing rd, Chicago, Ill.
See adv index at end of book

14669— Tables (Transfer)

American Bridge Co., 30 Church, New York
Brown Hoisting Machy. Co. (The), 4403 St. Clair, N. E., Cleveland, Ohio
See adv index at end of book
City Boiler & Machine Co. (Electric Car), 2511 W 4th, Kansas City, Mo.
Cleveland Punch & Shear Works Co., 3917 St. Clair av N E, Cleveland, Ohio
See adv index at end of book
Easton Car & Construction Co., 36 Holley, Easton, Pa.
See adv index at end of book
Garrison A. Foundry Co.,, 901 Bingham, Pittsburgh, Pa.
Industrial Works, Bay City, Mich.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Nichols Geo. P. & Bro. (Electric, etc.), 2139 Fulton, Chicago, Ill.
See adv index at end of book
Wharton Wm. Jr. & Co., Inc. (Electric Car, etc.), Easton, Pa.
Whiting Corp., Dept. H, Harvey, Ill.
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.

14670—Tables (Transfer, Electric)

LINK-BELT COMPANY, 300 W. Pershing rd, Chicago, Ill.
See adv index at end of book
NICHOLS GEO. P. & BRO., 2139 Fulton, Chicago, Ill.
See adv index at end of book

Nichols Transfer Tables
85 Railroads use them
More than 200 in use
GEO. P. NICHOLS & BRO.
2139 Fulton Street
Chicago, Ill.

Northern Engineering Works, 210 Chene, Detroit, Mich.
Wharton Wm. Jr. & Co. Inc., Easton, Pa.
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.

14671—Tables (Water Cooled Casting)

National Roll & Foundry Co., Avonmore, Pa.

14671a— Tables (Welding)

OXWELD ACETYLENE CO. (Cast Iron), 30 E 42nd, New York
See adv index at end of book

14672—Tables (Wire Carrying)

Kraft A. C., 323 W Lake, Chicago, Ill.

14672a—Tables (Wood, Toy)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Kiamensi Clay Co., Equitable bldg, Wilmington, Del.

Tablets (Bronze, Etc.)

See Bronze Tablets, etc

Tablets (Cast Brass, Bronze or Iron)

See Bronze Tablets

14672b—Tablets, Signs & Letters

Amos Chas. & Co. Inc., 3000 Hart av, Detroit, Mich.
BARKAY CO. INC., 26 Institute, Jamestown, N. Y.
See adv index at end of book
Forman Co., 48H W B'way, New York
Gorham Co., Architectural Bronze, 5th av & 36th, New York
Grammes L. F. & Sons (Metal), 311 Union, Allentown, Pa.
See adv index at end of book
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
Polachek John Bronze & Iron Co., 476H Hancock, Long Island City, N. Y.
Schmutz Mfg. Co., Inc., 17th & Walnut, Louisville, Ky.

14672c—Tablets & Headstones (Slate)

Old English Slate Quarries, 1128 O. S. bldg, Boston, Mass.

14673— Tabs (Index)

Aigner G. J. & Co. (Patent-Cut), 521 W Monroe, Chicago, Ill.
Dawson Manufacturing Co. ("Re-Fill" Celluloid), 312 N 2nd, St. Louis, Mo.
Globe-Wernicke Co. (The), 25 Carthage av, Cincinnati, O.
See adv index at end of book
Graff Geo. B. Co. ("Graffco Vise"), 294 Washington Boston, Mass.
Hub J. C. Mfg. Co., 204 E 3rd, Cleveland, O.
Smith Chas. C. (Gummed), Exeter, Neb.
Universal Index Tab. Co. ("U.-Kut Em"), Central bldg, San Francisco, Cal.
Yawman & Erbe Mfg. Co., Rochester, N. Y.

14674— Tachometers

See also Indicators, Speed

American Ever Ready Works, Thompson av, Long Island City, N. Y
American Schaeffer & Budenberg Corp. (Portable, Stationary, Indicating & Recording, Special for Paper Machines & Turbines), Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book
Belden Mfg. Co., 2316 S Western av, Chicago, Ill.
Biddle James G. ("Frahm" Vibration, "Ja-Ga-Bi" Hand), 1211 Arch, Phila., Pa.
Boorum & Pease Co., 84 Hudson av, Brooklyn, N. Y.
BRISTOL CO. ("Bristol's" Long Distance Recording, Electric & Pneumatic), Waterbury, Conn.
See adv index at end of book
Brown Instrument Co., 4522 Wayne av, Phila., Pa.

(Continued on following page)

Tachometers—Continued

Corbin Screw Corp. ("Corbin-Brown"), New Britain, Conn.
Du Vivier Ernest H. (Imp), 30 Church, New York
Elec. Tachometer Corp. ("Tetco" Electric), 310 N 11th, Phila., Pa.
Esterline-Angus Co., Speedway City, Indianapolis, Ind.
Holtzer-Cabot Elec. Co., 125 Armory, Boston, Mass.
Jones Motrola Co., 29 W 35th, New York
Lombard Governor Co. (Precision), Ashland, Mass.
Queen-Gray Co. (Recording), 64-70H W Johnson, Phila., Pa.
Stewart-Warner Speedometer Corp., 1826 Diversey Parkway, Chicago, Ill.
Thompson-Levering Co. ("Peerless" Jobbers), 325 Arch, Phila., Pa.
Wehling Instrument Co., 71 B'way, New York City
Veeder Mfg. Co. ("Veeder"), Hartford, Conn.
Weston Elec'l M. Strument Co., Weaverly pl., Newark, N. J.
Zernickow O., 15 Park row, New York

14675—*Tachometers (Recording)

American Schaeffer & Budenberg Corp., Berry & S. 5th, Brooklyn, N. Y.
See adv index at end of book
Brown Instrument Co., Wayne & Windrim, Phila., Pa.
Esterline-Angus Co., Speedway City, Indianapolis, Ind.

14676— Tachoscopes

American Schaeffer & Budenberg Corp. (Non-Magnet, Combined Counter & Water), Berry & S 5th, Brooklyn, N. Y. *See adv index at end of book*
Biddle Jas. G., 1211 Arch, Phila., Pa.
Zernickow O., 15 Park row, New York

14676a— Tackle (Marine)

American Hoist & Derrick Co., St. Paul Minn.

14677— Tacks

(Names with * also manufacture Monel Metal)

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Anderson Tack Co., Rockland, Mass.
Atlas Tack Co. (Cut & Wire), Fairhaven, Mass.
Carter Geo. A. (Shoe), Brockton, Mass.
Churchill & Allen (Shoe), Lynn, Mass.
Clendenin Bros. (Iron & Brass Shoe, etc), 108 South, Baltimore, Md.
Cleveland Tack Works (Shoe, Upholsterers & Carpet), 1205 E 55th, Cleveland, O.
Cobb & Drew, Plymouth, Mass.
Cole H. C. & W. S., Kingston, Mass.
Cross W. W. & Co. (Inc.) (Tacks & Shoe Nails), Brockton, Mass.
Crossman Tack Co., Dighton, Mass.
Genesee Tack Co., Rochester, N. Y.
Gurney D. B. Co., Whitman, Mass.
H. C. Tack Co., Cleveland, O.
*Hassall, Inc., John, 402 Oakland, Brooklyn, N. Y.
Haverhill Tack Co., Haverhill, Mass.
Hawkins Co., South Britain, Conn.
Hillwood Mfg. Co. (The), Euclid, Ohio
Holland Mfg. Co., Central av & Bank, Baltimore, Md.
*Igoe Bros., 61 Metropolitan av, Brooklyn, N. Y.
Iliff John W. & Co. ("Iliffile" Map), 54H W Lake, Chicago, Ill.
Illinois Nail Co., 826 Dix, Chicago, Ill.
Independent Tack Co., Oil City, Pa.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Interstate Iron & Steel Co. (All Kinds), 104 S Michigan av, Chicago, Ill.
*Laidlaw Bale Tie Co., Hamilton, Ont., Can.
Lounsberry A. P., 15 W 5th, Cincinnati, O.
Maglathlin F. W. & Co., Kingston, Mass.
Miller's H. J. Sons (Shank & Machine Shoe), Bridgewater, Mass.
Milwaukee Tack Co. (Carpet, Broom, Canvas, Upholsterers', Bill Posters', Coopers', Shoe Cheese Box, Hungarian, etc), 27th & Wahl av, Milwaukee, Wis.
Moore Push Pin Co. (Map & Screen), 133 Berkley, Philadelphia, Pa.
National Screw & Mfg. Co., 2440 E 75th, Cleveland, O.
See adv index at end of book
Osborne W. & Co., Lakeville, Mass.
Parker Wire Goods Co. (Wire), Worcester, Mass.
Penn Tuck Co., Norristown, Pa.
Phillips Ezra & Sons, South Hanover, Mass.
Plymouth Mills, Plymouth, Mass.
Ripley & Bartlett, Plymouth, Mass.
Roberts G. G. Corp., Whitman, Mass.
Salmond Sam'l & Son, Hanover, Mass.
Shelton Tack Co., (Cut, Basket, Carpet, Brush, Looking Glass, Lace, Gimp, Broom, Trunk, Hide, Bill Posters, Upholsters, Trimmers, Wire, etc.), Shelton, Conn.
*Sholes, Inc., 186 Lafayette, New York
Somers Patrick E., 38 King, Worcester, Mass.
Stanley Geo. W. Co., Belleville, Ill.
*Steel Sales Corp., 129 S Jefferson, Chicago
Stevens & Willis Co., South Braintree, Mass.
Superior Tack & Nail Co., Derby, Conn.
Taunton-New Bedford Copper Co. (Copper), Taunton, Mass.
Tower Mfg. Co. (Steel, Iron, Copper, etc), Elm & Commerce, Cincinnati, O.
*Townsend Co., New Brighton, Pa.
*United Shoe Machy. Co., Boston, Mass.
Washburn Co. (Wire Goods Div.), 28 Union, Worcester, Mass.
Waterman R. C. & Co. (Gimp, Lace, Carpet, Bill Posters', Basket, etc.), So. Hanover, Mass.
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.
York Tack & Nail Works (Also Nails), York, Pa.

14678— Tacks (Bill Posters')

American Steel & Wire Co., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Genesee Tack Co., Rochester, N. Y.
Hillwood Mfg. Co. (The), Euclid, Ohio
Independent Tack Co., Oil City, Pa.
Interstate Iron & Steel Co., 104H S Michigan av, Chicago, Ill.
Milwaukee Tack Co., 27th & Wahl av, Milwaukee, Wis.
Penn Tack Co., Norristown, Pa.
Ripley & Bartlett, Plymouth, Mass.
Shelton Tack Co., Shelton, Conn.
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

14679—Tacks (Brass & Copper)

Atlas Tack Co., Fairhaven, Mass.
Clendenin Bros., 108 South, Baltimore, Md.
Cole H. C. & W. S., Kingston, Mass.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Independent Tack Co., Oil City, Pa.
Interstate Iron & Steel Co., 104 So. Michigan av, Chicago, Ill.
Mattatuck Mfg. Co. (Brass), Waterbury, Conn.
Milwaukee Tack Co., 27th & Wahl av, Milwaukee, Wis.
Penn Tack Co., Norristown, Pa.
Phillips Ezra & Sons, South Hanover, Mass.
Rome Brass & Copper Co., Rome, N. Y.
Shelton Tack Co., Shelton, Conn.
Taunton-New Bedford Copper Co. (Copper Only), Taunton, Mass.

14680—Tacks (Broom, Basket & Brush)

Genesee Tack Co., Rochester, N. Y.
Independent Tack Co., Oil City, Pa.
Interstate Iron & Steel Co., 104H S Michigan av, Chicago, Ill.
Milwaukee Tack Co., 27th & Wahl av, Milwaukee, Wis.
Penn Tack Co., Norristown, Pa.
Shelton Tack Co., Shelton, Conn.
Superior Tack & Nail Co. (Basket), Derby, Conn.
Townsend Co., New Brighton, Pa.
See adv index at end of book
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

14681— Tacks (Carpet)

American Steel & Wire Co., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Cleveland Tack Works, 1205 E 55th, Cleveland, O.
Crossman Tack Co., Dighton, Mass.
Genesee Tack Co., Rochester, N. Y.
Independent Tack Co., Oil City, Pa.
Interstate Iron & Steel Co., 104 So. Michigan av, Chicago, Ill.
Milwaukee Tack Co., 27th & Wahl av, Milwaukee, Wis.
Penn Tack Co., Norristown, Pa.
Ripley & Bartlett, Plymouth, Mass.
Salmond Sam'l & Son, Hanover, Mass.
Shelton Tack Co., Shelton, Conn.
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

14682—Tacks (Carriage Trimmers')

Independent Tack Co., Oil City, Pa.
Interstate Iron & Steel Co., 104H S Michigan av, Chicago, Ill.
Genesee Tack Co., Rochester, N. Y.
Shelton Tack Co., Shelton, Conn.
Wilson Steel Products Co., Dept. H, 49th & S Western av, Chicago, Ill.

14683— Tacks (Cheese Box)

Genesee Tack Co., Rochester, N. Y.
Independent Tack Co., Oil City, Pa.
Interstate Iron & Steel Co., 104H S Michigan av, Chicago, Ill.
Ripley & Bartlett, Plymouth, Mass.
Shelton Tack Co., Shelton, Conn.
Superior Tack & Nail Co., Derby, Conn.
Wilson Steel Products Co., Dept. H, 49th & S Western av, Chicago, Ill.

14684—Tacks (Crimping or Lasting)

Independent Tack Co., Oil City, Pa.
Interstate Iron & Steel Co., 104H S Michigan av, Chicago, Ill.

14685—Tacks (Double-Pointed)

Atlas Tack Co., Fair Haven, Mass.
Cleveland Tack Works, 1205 E 55th, Cleveland, O.
Cobb & Drew, Plymouth, Mass.
Holland Mfg. Co., Central av & Bank, Baltimore, Md.
Independent Tack Co., Oil City, Pa.
Interstate Iron & Steel Co., 104 So. Michigan av, Chicago, Ill.
Milwaukee Tack Co., 27th & Wahl av, Milwaukee, Wis.
Penn Tack Co., Norristown, Pa.
Shelton Tack Co., Shelton, Conn.
Stanley Geo. W. Co., Belleville, Ill.
Titchener-Diehl Co., 1844 48th W Austin av, Chicago, Ill.
Titchener E. H. & Co., Binghamton, N. Y.
Tower Mfg. Co., Elm & Commerce, Cincinnati, O.
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*
Washburn Co. (Wire Goods Div.), 28 Union, Worcester, Mass.

14686— Tacks (Gimp)

Independent Tack Co., Oil City, Pa.
Interstate Iron & Steel Co., 104H S Michigan av, Chicago, Ill.
Penn Tack Co., Norristown, Pa.
Ripley & Bartlett, Plymouth, Mass.
Shelton Tack Co., Shelton, Conn.
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

14687— Tacks (Hide)

Independent Tack Co., Oil City, Pa.
Interstate Iron & Steel Co., 104H S Michigan av, Chicago, Ill.
Penn Tack Co., Norristown, Pa.
Ripley & Bartlett, Plymouth, Mass.
Shelton Tack Co., Shelton, Conn.
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

14688—*Tacks (Insulated Wiring)

Delaware Hard Fibre Co. (Electric, Fibre), Wilmington, Del.
See adv index at end of book

14689— Tacks (Lead)

United Lead Co., 111 B'way, New York

14690— Tacks (Miners')

Independent Tack Co., Oil City, Pa.
Interstate Iron & Steel Co., 104H S Michigan av, Chicago, Ill.
Penn Tack Co., Norristown, Pa.
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

14691—Tacks (Rubber-Headed)

Elastic Tip Co., 370 Atlantic av, Boston, Mass.
Goodrich B. F. Co., Akron, O.
New York Belting & Packing Co., 91 Chambers st, New York
Parker-Stearns & Co. ("Alpha"), 286 Sheffield av, Brooklyn, N. Y.
Pennsylvania Rubber Co., Jeannette, Pa.
Tyer Rubber Co. ("Tyrian"), Andover, Mass.

14692— Tacks (Shoe)

Carter Geo. A., Brockton, Mass.
Churchill & Allen, Lynn, Mass.
Clendenin Bros. (Iron & Brass), 108 South, Baltimore, Md.
Cleveland Tack Works, 1205 E 55th, Cleveland, O.
Cole H. C. & W. S. (Hand & Machine), Kingston, Mass.
Independent Tack Co., Oil City, Pa.
Interstate Iron & Steel Co., 104H S Michigan av, Chicago, Ill.
Milwaukee Tack Co., 27th & Wahl av, Milwaukee, Wis.
Penn Tack Co., Norristown, Pa.
Shelton Tack Co., Shelton, Conn.
Somers Patrick E. (Shoe Finders'), 38 King, Worcester, Mass.
United States Tack Co., Dept. H, New Bedford, Mass.
Wilson Steel Products Co., Dept. H, 49th & Western av, Chicago, Ill.

14693— Tacks (Thumb)

Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Hampden Mfg. Co. ("Clover Leaf"), 17 Warren, New York
Hawkes-Jackson Co. ("Solidhed"), 38 Murray, New York
Hoge Mfg. Co. ("Modern"), 215 Fulton, New York
Johnston J. D., Newport, R. I.
Keuffel & Esser Co. ("Ideal" & "Favorite"), Hoboken, N. J.
Moore Push-Pin Co. ("Moore," Steel Pointed), 133 Berkeley, Phila., Pa.
National Sheet Metal Co. (Stamped from Nickel Steel), Peru, Ill.
Noesting Pin Ticket Co. ("Solid Head" "Cut Out"), Dept. H, Mt. Vernon, N. Y.

Pease C. F. Co., 820 N Franklin, Chicago, Ill. *See adv index at end of book*
Turner & Seymour Mfg. Co., Torrington, Conn.
Weber Co., F., 1220 Buttonwood, Philadelphia, Pa.
Wilson Steel Products Co. (Curtain), Dept. H, 49th & Western av, Chicago, Ill.

14694— Tacks (Trimmers')

Bridgeport Coach Lace Co. ("Bridgeport"), 813H Wood av, Bridgeport, Conn.
Burkart F. Mfg. Co., 4900 N 2d, St. Louis, Mo.
Hillwood Mfg. Co. (The), Euclid, Ohio
Interstate Iron & Steel Co., 104H S Michigan av, Chicago, Ill.
Penn Tack Co., Norristown, Pa.
Ripley & Bartlett, Plymouth, Mass.
Shelton Tack Co., Shelton, Conn.
Somers Patrick E., 38 King, Worcester, Mass.
Wilson Steel Products Co., Dept. H, 49th & Western av, Chicago, Ill.

14695— Tacks (Trunk)

Hillwood Mfg. Co. (The), Euclid, Ohio
Independent Tack Co., Oil City, Pa.
Interstate Iron & Steel Co., 104H S Michigan av, Chicago, Ill.
Penn Tack Co., Norristown, Pa.
Shelton Tack Co., Shelton, Conn. *See adv index at end of book*
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

14696— Tacks (Upholsterers')

American Ring Co., Waterbury, Conn.
AMERICAN STEEL & WIRE CO. ("American" Wire), 208 S La Salle, Chicago, Ill. *See adv index at end of book*
Berbecker & Rowland Mfg. Co. (Brass Furniture Nails), Waterville, Conn.
Cleveland Tack Works, 1205 E 55th, Cleveland, O.
Crandal, Stone Division, The, Brewer-Titchener Corp., Binghamton, N. Y.
Genesee Tack Co., Rochester, N. Y.
Holland Mfg. Co. (Brass & Gilt), Central av & Bank, Baltimore, Md.
Independent Tack Co., Oil City, Pa.
Interstate Iron & Steel Co., 104 So. Michigan av, Chicago, Ill.
Lounsberry A. P., 15 W 5th, Cincinnati, O.
Mattatuck Mfg. Co. ("Leatherine"), Waterbury, Conn.
Milwaukee Tack Co., 27th & Wahl av, Milwaukee, Wis.
Morley Button Mfg. Co. ("Milonite, Perfection" Button Head Nail), Portsmouth, N. H.
North & Judd Mfg. Co. ("Perfection"), New Britain, Conn.
Penn Tack Co., Norristown, Pa.
Plymouth Mills, Plymouth, Mass.
Rhodes M. M. & Sons Co., Taunton, Mass.
Ripley & Bartlett, Plymouth, Mass.
Roberts G. G. Corp. ("Crown"), Whitman, Mass.
Salmond Sam & Son, Hanover, Mass.
Shelton Tack Co., Shelton, Conn.
Somers Patrick E., 38 King, Worcester, Mass.
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y. *See adv index at end of book*
Tower Mfg. Co. Elm & Commerce, Cincinnati, O.
Traut & Hine Mfg. Co., New Britain, Conn.
Turner & Seymour Mfg. Co. ("Eagle," "Keystone"), Torrington, Conn.
U. S. Needle Concern, 912 W Madison, Chicago, Ill.
Waterman R. C. & Co., South Hanover, Mass.
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

14696a— Tacks (Wire)

Am.-Steel & Wire Co., 208 S La Salle, Chicago, Ill. *See adv index at end of book*
Atas Tack Corp., Fairhaven, Mass.
Interstate Iron & Steel Co., 104 S Michigan av, Chicago, Ill.
Shelton Tack Co., Shelton, Conn.

14696b— Tag Deadlocks

Campbell Paper Box Co., South Bend, Ind.
Denney Tag Co. Inc., West Chester, Pa.

Tag Fasteners

See Wire (Tag)

14697—Tags (Bag, Aluminum)

Aluminum Goods Mfg. Co., Manitowoc, Wis.
Decker Mfg. Co., Keokuk, Ia.
Waterbury Button Corp., 331 South Main, Waterbury, Conn. *See adv index at end of book*

14697a— Tags (Baggage)

Cupples Envelope Co., Samuel, 628 S 6th, St. Louis, Mo. *See adv index at end of book*

14698— Tags (Dog)

Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa. *See adv index at end of book*
Niagara Falls Metal Stamping Works, Niagara Falls, New York
R. & S. Engraving & Die Works, 617-631 W Jackson blvd, Chicago, Ill. *See adv index at end of book*
Reed & Skeppstrom, 625 W Jackson blvd, Chicago *See adv index at end of book*

14698a— Tags (Duplicate)

Cupples Envelope Co., Samuel, 628 S 6th, St. Louis, Mo. *See adv index at end of book*

14698b— Tags (Garage)

Cupples Envelope Co., Samuel, 628 S 6th, St. Louis, Mo. *See adv index at end of book*

14699— Tags (Hard Fibre)

See also Fibre, Hard

Bryant Mfg. Co., 456 W Ontario, Chicago, Ill.
Continental Fibre Co., Newark, Del.
DELAWARE HARD FIBRE CO., Wilmington, Del. *See adv index at end of book*
Denney Tag Co. Inc., West Chester, Pa.
Wilmington Fibre Specialty Co., Wilmington, Del.

14700— Tags (Hook)

Denney Tag Co. Inc., West Chester, Pa.
Thomas Stationery Mfg. Co., Springfield, Ohio

14701—Tags (Hotel Key, Etc.)

American Railway Supply Co., 134 Charles, New York
Burg E. F. Co. (& Hotel Supplies), 224 W. 1st, Duluth, Minn.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Niessen Bros. & Co., Fair Oaks, Cal.
R. & S. Engraving & Die Works, 617-631 W Jackson blvd, Chicago, Ill. *See adv index at end of book*
Reed & Skeppstrom, 625 W Jackson blvd, Chicago *See adv index at end of book*
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.
Waterbury Button Corp., 331 South Main, Waterbury, Conn. *See adv index at end of book*
WILCOX W. W. MFG. CO., 566 W Randolph, Chicago, Ill.

14701a—Tags (Identification

Almetal Novelty Co., Springfield, Ohio
American Ry. Supply Co., 134 Charles, New York
Hamilton Stamp & Stencil Works, Ltd., The, Hamilton, Ontario
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal) *See adv index at end of book*
Matthews Co., Inc., J. H., Pittsburgh, Pa.
Metalware Corp., 228 W Superior, Chicago
Montreal Stencil Works, Ltd., 223 McGill, Montreal, Quebec
Packard J. S., 21 Walker, New York

14702—Tags (Indelible Ink)

Clark R. S. & Son, Cohoes, N. Y.

14703— Tags (Index)

Smith Chas. C., Exeter, Neb.

14703a— Tags (Inventory)

Cupples Envelope Co., Samuel, 628 S 6th, St. Louis, Mo. *See adv index at end of book*

14704— Tags (Jewelers')

Bonnell J. D. & Son, 311 Atlantic av, Boston, Mass.
Eisler Anthony & Co. (Also Mdse, Hook, etc), 227 Canal, New York

14705— Tags (Laundry)

Boston Clip & Tag Co., 40 Sudbury, Boston, Mass.
Cupples Envelope Co., Samuel, 628 S 6th, St. Louis, Mo. *See adv index at end of book*
Higgin Mfg. Co., Newport, Ky.

14705a—Tags (Marking, Price, Etc.)

Cupples Envelope Co., Samuel, 628 S 6th, St. Louis, Mo. *See adv index at end of book*

14706—Tags (Metal Edge)

Adams S. G. Stamp & Stationery Co. (Wood & Steel), 412 N 6th, St. Louis, Mo.
Bryant Mfg. Co. (All Metal), 456 W Ontario, Chicago
Salisbury Mfg. Co., 14 Leather av, Providence, R. I.

14706a—*Tags (Plant, Wood)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

14707— Tags (Shipping)

See also Tags, Tin; also Tags, Zinc

Acme Tag Co., 2340 Fremont av, Minneapolis, Minn.
Allen Robert T., Jackson, Mich.
Allen & Bailey Tag Co., Caledonia, N. Y.
American Mfg. Co. ("Lap-Over-The-End"), Battle Creek, Mich.
American Tag Co., 6133 S State, Chicago, Ill.
American Tag Co. of N. J., 123 Sussex av, Newark, N. J.
Anderson W. J. & Co., 341 B'way, New York
Campbell Paper Box Co. (Every Variety), South Bend, Ind.
Clark & Co., 1613 N 3d, Phila., Pa.
CUPPLES ENVELOPE CO., SAMUEL (Merchandise, Manila Card, etc.), 628 S 6th, St. Louis, Mo. *See adv index at end of book*
Dancyger Safety Pin Ticket Co., 4707 Detroit, Cleveland, O.
Decker Mfg. Co., Keokuk, Ia.
Denney Tag Co., West Chester Pa.
Dennison Mfg. Co., S Framingham, Boston, Mass.
Eastman Howard Co., 444 Braman, San Francisco, Cal.
Eisler Anthony & Co. (Also Mdse, Hook, etc), 227 Canal, New York
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
International Tag Co., 319 N Whipple, Chicago, Ill.
Keystone Tag Co., West Chester, Pa.
Lucas Tag Co., West Chester, Pa.
Matthews Jas. H. & Co. (Metal), 3942 Forbes, Pittsburgh, Pa. *See adv index at end of book*
Murray Mfg. Co. (Cotton), Newnan, Ga.
National Tag Co., Dayton. O.
Noesting Pin Ticket Co., Inc. (Merchandise), Mt. Vernon, New York
Pacific Coast Tag Mfg. Co., 45 Dore, San Francisco, Cal.
Porter Safety Seal Co. ("Porter"), 161 W. Harrison, Chicago, Ill.
Reyburn Mfg. Co., 23rd & Allegheny av, Phila., Pa.
Robinson Tag & Label Co., 424 W 33rd New York
Scharf Tag & Label Co., Ypsilanti, Mich.
Shuman Frank G., 216 N Clinton, Chicago, Ill.
Thomas Stationery Mfg. Co., Springfield, Ohio
UNION PAPER & TWINE CO., 128 St. Clair av, N. W., Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y. *See adv index at end of book*

14708— Tags (Tin)

Adams S. G. Stamp & Stationery Co. (Aluminum & Brass), 412 N 6th, St. Louis, Mo.
AMERICAN CAN CO., 120 Broadway, New York. *See adv index at end of book*
American Tag Co., 6133 S State, Chicago, Ill.
Ammidon & Co., 31 S Frederick, Baltimore, Md.
Bunting Stamps Co. (Metal), 713 Liberty av, Pittsburgh, Pa.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Kraft A. C., 323 W Lake, Chicago, Ill.
Matthews Jas. H. & Co. (Advertising Embossed Indentification Shipping Export), 3942 Forbes, Pittsburgh, Pa. *See adv index at end of book*
Murdock W. Jas. Co., 116 Opera pl, Cincinnati, O.
Pannier Bros. Stamp Co., 207-9 Sandusky, Pittsburgh, Pa. *See adv index at end of book*
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.
Steel & Tin Products Co., 2100H Alicеanna, Baltimore, Md.
Waterbury Button Corp., 331 South Main, Waterbury, Conn. *See adv index at end of book*

14709— Tags (Zinc)

Hill J. H. & Sons, Coventry, R. I.
Pannier Bros. Stamp Co., 207-9 Sandusky, Pittsburgh, Pa. *See adv index at end of book*
Waterbury Button Corp., 331 South Main, Waterbury, Conn.

14710— Take-Ups

Allis-Chalmers Mfg. Co. (Belt Tighteners), Milwaukee, Wis.
See adv index at end of book
Barnard & Leas Mfg. Co. (Belt), 403 20th, Moline, Ill.
Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
CALDWELL & SON CO., H. W., 1700 S Western av, Chicago, Ill.
Dodge Mfg. Corp., Mishawaka, Ind.
Howe Chain Co., Dept. H, Muskegon, Mich.
JONES W. A. FOUNDRY & MACHINE CO., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Nordyke & Marmon Co. (Belt & Rope), Kentucky av & Morris, Indianapolis, Ind.
Sprout, Waldron & Co. (Belt, etc.), Muncy, Pa. *See adv index at end of book*
United Iron Works, Inc., Kansas City, Mo.
Webster Mfg. Co., 4500-60 Courtland, Chicago, Ill. *See adv index at end of book*
Weller Mfg. Co., 1356 N Kostner av, Chicago, Ill.

14711—Talc Blanks (Insulator & Gas Burner)

North Carolina Talc & Mining Co., Hewitts, N. C.

14712— Talc Importers

Chrystal Chas. B. Co. Inc., 13 Cliff, New York
See adv index at end of book

TALC
ITALIAN, FRENCH
AMERICAN
Charles B. Chrystal Co., Inc.
13 Cliff St., New York Jersey City

Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Fuerst Bros. & Co., 2 Stone, New York
Mathieu Chas., 55 B'way, New York
Salomon L. A. & Bros., 216 Pearl, New York
Sergeant E. M. Co., 131 Cedar, New York

14713—Talc Mfrs. & Miners

Adams D. C. Crayon Co. (Soapstone), 125 Market, St. Louis, Mo.
American Lava Corp., Chattanooga, Tenn.
American Mineral Co., Johnson, Vt.
Atlas Mineral Products Co., Mertztown, Pa.
Binney & Smith Co., 41 E 42nd, New York
Blue Ridge Talc Co. (Crayons, Pulverized & Paint Pigment), Henry, Va.
Bull Run Talc. & Soapstone Co. ("Redoxo" Red), Clifton Station, Va.
California Talc Corp., 309 W 12th, Los Angeles, Cal.
Cohutta Talc Co., Dalton, Ga.
Doggett Stanley, 11 Cliff, New York
Fenning L. T. ("Fenning"), Jackson, O.
Georgia Talc Co., Asheville, N. C.
Gregory Talc, Blackboard & Crayon Co., 107 12th av N, Nashville, Tenn.
Innis, Speiden & Co. Inc. ("Silver"), 46 Cliff, New York
International Pulp Co. ("Asbestine"), 41 Park Row, New York
Jackson E. F. & Co., 224 E 2nd, Cincinnati, Ohio
Mineral Products Inc., 836 Ducommun, Los Angeles, Cal.
North Carolina Talc & Mining Co., Hewitts, N. C.
Ontario Talc Co., Gouverneur, N. Y.
Pacific Coast Talc Co., 2149 Bay, Los Angeles, Cal.
Palin & Son, 2101 Edison av, Tacoma, Wash.
Product Sales Co., 32 S Calvert, Baltimore, Md.
Smith J. Lee & Co. (Imp.), 19 Jacob, New York
Vermont Talc Co., Holyoke, Mass.
Wagner Chas. A. Co. Inc., 223 N Front, Phila., Pa.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

14714— Talc (Powdered)

American Mineral Co., Johnson, Vt.
Binney & Smith Co. (Importers), 41 E 42d st, New York
Blue Ridge Talc Co., Henry, Va.
California Master Products Co., Alameda & Slawson av, Los Angeles, Cal.
California Talc Corp., 309 W. 12th, Los Angeles, Cal.
Carbolo Chemical Co., Inc. ("Talclay"), 5 E 42nd, New York
CHRYSTAL CHAS. B. CO. INC. (Imp.), 13 Cliff, New York
See adv index at end of book
Cooper & Cooper Inc., 23H Cliff, New York
Doggett Stanley (Also Crayons), 11 Cliff, New York
Federal Foundry Supply Co. ("Bull Run"), 2639 E 79th, Cleveland, O.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Georgia Talc Co. (For Roofing), Dept. H, Asheville, N. C.
Hammill & Gillespie (Imp.), 240 Front, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
International Pulp Co., 41 Park row, New York
Kirk James S. & Co., 1232 W North av, Chicago, Ill.
Nevins Sam'l Co. (French & American), 143 N 4th, Philadelphia, Pa.
New England Quartz Co. of N. Y., 150 Nassau, New York
New York Pyrites Co. Inc., 25 Broad, New York
North Carolina Talc & Mining Co., Hewitts, N. C.
Pacific Coast Talc Co. ("Silver"), 2149 Bay, Los Angeles, Cal.
Palin & Son, 2101 Edison av, Tacoma, Wash.
Phoenix Soapstone Co., 71 Murray, New York
Riverside Mfg. Co. (White Only), Arcade bldg, St. Louis, Mo.
Salomon L. A. & Bro. (Imp.), 216 Pearl, New York
Smith Facing & Supply Co., 1857 Carter rd, Cleveland, O.
Steward D. M. Mfg. Co., Chattanooga, Tenn.
Whittaker, Clark & Daniels, Inc. (Job-
WILLIAMS C. K. & CO., Easton, Pa.
See adv index at end of book

14714a— Talcum

Cooper Chas. & Co., 194 Worth, New York
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa.
See adv index at end of book
International Pulp Co., 41 Park row, New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Riddle Chemical Co., 35 S Dearborn, Chicago, Ill.
See adv index at end of book

14715—Talking Machine Specialties

Kent F. C. & Co., 359 Mulberry, Newark, N. J.
Kirkman Engng. Corp. (Automatic Stops, Fibre Needle Cutters, Record Cleaners), 484 Broome, New York
Lawrence Mfg. Co., 704 N Sangamon, Chicago, Ill.
Presto-Phone Parts Corp., 124 Pearl, Brooklyn, N. Y.
Saal H. G. Co., 1800 Montrose av, Chicago, Ill.
Seymour Metal Goods Co. (Needle Cups), 14H Beecher, Seymour, Conn.
Thomas Mfg. Co., Dayton, O.
Weber-Knapp Co. (Hardware), Jamestown, N. Y.

14716— Tallow

Armour & Co., 208 S La Salle, Chicago, Ill.
Baugh & Sons Co., 20 S Delaware av, Phila., Pa.
Birmingham Hide & Tallow Co., Birmingham, Ala.
Bissinger & Co., 454 Eureka av, San Francisco, Cal.
Bretney H. & Co., Springfield, O.
California Tallow Works, 214 Front, San Francisco, Cal.
Claverie A. J. & Co., New Orleans, La.
Connecticut Fat Rendering & Fertilizing Corp., New Haven, New Haven, Conn.
Consolidated Rendering Co. ("Perfection," "Peerless" & "Premium" Grease), 40 N Market, Boston, Mass.
Cooper & Cooper Inc., 23H Cliff, New York
Cudahy Packing Co., 111 W Monroe, Chicago, Il.
Darling & Co., 4201 S. Ashland av, Chicago, Ill.
Elkan H. & Co., 10 W Austin av, Chicago, Ill.
Faber F. H. & Co., Peoria, Ill.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Flavell Co., Asbury Park, N. J.
Hartmann Pacific Co., Inc. (Imp.), 30 Wall, New York
Herrmann Jos. F. & Co., Fisher bldg, Chicago, Ill.
Jardine, Matheson & Co. (Imp.), 25 Madison av, New York
Kingham & Co., Maryland & Blackford, Indianapolis, Ind.
Kirk W. R., 327 S La Salle, Chicago, Ill.
Klipstein A. & Co. (Imp.), 644 Greenwich, New York
Kuh E. S. & Valk Co. (Imp), Produce Exchange, New York.
Link David C. & Co. (Imp.), Produce Exchange, N. Y.
Marx Hide & Tallow Co., Louisville, Ky.
Miller & Flux Inc., 465 California, San Francisco, Cal.
Milwaukee Tallow & Grease Co., Vogel's Island, Milwaukee, Wis.
Mitsui & Co., Ltd. (Imp. Chinese), 65 B'way, New York
Morris & Co., U. S. Yards, Chicago, Ill.
Morse J. F. & Co., 66 Norfolk av, Rox., Boston, Mass.
New Orleans Butchers' Co-operative Abattoir Co. (Ltd.), New Orleans, La.
Norden A. & Co. (Imp.), 60 Beaver, New York
Pacific Coast Beef & Provision Co., Los Angeles, Cal.
Passolt Henry Co., Saginaw, Mich.
Peterson Tallow Co., Emeryville, Cal.
Reardon Jno. & Sons Co. (Oleo), Cambridge, Mass.
Rochester Tallow Co., Rochester, N. Y.
Rogers A. Co., Aurora, Ill.
St. Louis Hide & Tallow Co., 2d & Talcott, St. Louis, Mo.
Schaffner Bros. Co., 15th & Reed, Erie, Pa.
Schwarz Bros. Co., Kearny, N. J.
Stern Jos. & Sons, 614 W 40th, New York
Stevenson Bro. & Co., 10 Race, Phila., Pa.
Swift & Co., Union Stock Yards, Chicago, Ill.
Union Hide Co. (Dealers), 3d & Harrison, Oakland, Cal.
United Dressed Beef Co., 1st av & 44th, New York
Van Iderstine Co., Long Island City, New York
Wayne Soap Co., Copeland & M. C. R. R., Detroit, Mich.
White Thos. H. & Co. (Brokers), 11 S Gay, Baltimore, Md.
Whitman & Pratt Rendering Co., Lowell, Mass.
Wilson & Co., Union Stock Yards, Chicago, Ill.
Wise L. & Bros., 35 Main, Cincinnati, O.

14717— Tallow (Vegetable)

Carleton & Moffat (Imp.), 91 Wall, New York
Elbert & Co., 27 William, New York
Jardine, Matheson & Co. (Imp.), 2 Madison av, New York
Klipstein A. & Co., 644 Greenwich, New York
Mitsui & Co., Ltd. (Imp. Chinese), 65 B'way, New York
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
Paper Makers' Chemical Co., Eaton, Pa.

14718— Tamers (Hog)

Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.

14719— Tampers (Concrete)

ANCHOR CONCRETE MACHINERY CO. (For Block, Brick & Tile Machines), 530 Dublin av, Columbus, O.
See adv index at end of book
Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.
Barber Asphalt Paving Co. ("Iroquois"), Land Title bldg, Philadelphia, Pa.
Bragstad Concrete Machy. Co. (Automatic), Canton, S. Dakota
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Cement Tile Machy. Co. (Power), Waterloo, Ia.
Columbus Handle & Tool Co., Columbus, Ind.
Crescent Tool Mfg. Co. (Iron & Steel), 1002 Cass av, St. Louis, Mo.
Duffy Mfg. Co., 214 W Grand av, Chicago, Ill.
Fate-Root-Heath Co., Plymouth, O.
See adv index at end of book
Foote J. B. Foundry Co. (Power), Fredericktown, Ohio
Ideal Concrete Machy. Co. (Power), 3001 Spring Grove av, Cincinnati, Ohio
Ingersoll-Rand Co. (Pneumatic), 11 B'way, New York *See adv index at end of book*
Kent Machine Co. ("Kent Reliable"), Kent, Ohio
Kramer Automatic Tamper Co. ("Kramer"), Peoria, Ill.
Kramer Bros. Foundry Co. ("Gem" Hand), Dayton, O.
Littleford Bros., 444 E Pearl, Cincinnati, O.
See adv index at end of book
Lourie Hydraulic Press Co., Springfield, Ill.
See adv index at end of book
Raber & Lang Mfg. Co. ("Crescent," Power), Kendallville, Ind.
Ransome Concrete Machinery Co., Dunellen, N. J.
Rock Island Mfg. Co., Rock Island, Ill.
South Bend Foundry Co., South Bend, Ind.
Stortz John & Son, 210 Vine, Phila., Pa.
Wagner Mfg. Co., Sidney, O.
Wapak Hollow Ware Co., Wapakoneta, O.

14720—Tampers (Dirt & Sod)

Brunner & Lay, 570 W Polk, Chicago, Ill.
Burr Co., Champaign, Ill.
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Fate-Root-Heath Co., Plymouth, O.
See adv index at end of book
Harnischfeger Corp., Milwaukee, Wis.
See adv index at end of book

DOVER BOILER WORKS
TANKS and STACKS
INDUSTRIAL PLATE WORK REQUIREMENTS 40 Church St., New York

Indiana Foundry Co., Indiana, Pa.
Ingersoll-Rand Co. (Pneumatic), 11 B'way, New York *See adv index at end of book*
Lourie Hydraulic Press Co. ("Staley" Power for Trenches & Pavements), Springfield, Ill.
See adv index at end of book
Modern Iron Works (Iron or Wood Handle), Quincy, Ill.
Stortz John & Son, 210 Vine, Phila., Pa.
Swett A. L. Iron Works, Medina, N. Y.
Wagner Mfg. Co., Sidney, O.
Wapak Hollowware Co., Wapakoneta, O.

14721-2—*Tampers (Railroad Ballast)

INGERSOLL-RAND CO. ("Imperial," Pneumatic), 11 B'way, New York
See adv index at end of book

14723— Tank Fixtures

American Valve & Meter Co. ("Page"), Cincinnati, O.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
Caldwell W. E. Co. (Railroad, etc.), Louisville, Ky.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Kalamazoo R'y Supply Co., Kalamazoo, Mich.
Spray Engineering Co. ("Spraco" Combination Drain & Overflow), 62 High, Boston, Mass.
See adv index at end of book
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
U. S. Wind & Engine Pump Co., Water, Batavia, Ill.

14723a—Tank Outlets, Plugs & Seat (Monel Metal)

Giles Dyeing Machinery Co., North Philadelphia, Pa.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Pacific Foundry Co., Harrison & 18th, San Francisco, Cal.
Sholes, Inc., 186 Lafayette, New York
Walker & Davis, Inc., Philadelphia, Pa.

14724—Tanks (Acid Storage)

See also Stoneware, Chemical

ACME TANK CO. (Wood), 43 Cortlandt, New York *See adv index at end of book*
American Welding Co. (For Mixed, Nitric, Sulphuric & Carbonic Acids, etc), Carbondale, Pa.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
Barker Bros., Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
Beckley Perforating Co., Garwood, N. J.
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Bovaird & Seyfang Mfg. Co., Bradford, Pa.
Buckeye Boiler Co., Dayton, O.
Caldwell W. E. Co. (Yellow Pine or Cypress a Specialty), Louisville, Ky.
CHICAGO BRIDGE & IRON WORKS, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Coatesville Boiler Works (Steel), 111 S 15th, Philadelphia, Pa.
Columbiana Boiler Co., Columbiana, O.
DOVER BOILER WORKS, Sales Office, 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
EAGLE TANK CO., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Finch Mfg. Co., Scranton, Pa.
Fleming Mfg. Co., 411 Neal, New Castle, Pa.
General Ceramics Co., 50 Church, New York
Gerdes & Co., 42 Church, New York
See adv index at end of book
Graver Corp., 4020 Todd av, E. Chicago, Ind.
Gunning Boiler & Machine Co., New Bedford, Mass.
Hamler Boiler & Tank Co., Dept. H, W 56th & 60th av, Chicago, Ill.
HAMMOND IRON WORKS, Warren, Pa.
See adv index at end of book
Hauser Stander Tank Co. (Wood), Ammen & B. & O. Ry., Cincinnati, Ohio
See adv index at end of book
Heggie James G. & Sons, Joliet, Ill.
Heltzel Steel Form & Iron Co. (The), Warren, O.
See adv index at end of book
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Johnson & Carlson, 864 Eastman, Chicago
Johnson & Thompson, 2716 N. 26th, Birmingham, Ala.
Kittoe Boiler & Tank Co., Inc., Canton, Ohio
Knight Maurice A. (Acid Proof Stoneware), Akron, Ohio
KOVEN L. O. & BRO. INC. (Agitating), 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
Lancaster Iron Works ("Lancaster"), Dept. H, Lancaster, Pa.
Lappan Jas. Mfg. Co., 20th & Pike, Pittsburgh, Pa.
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
Lindsay W. W. & Co., Inc., Harrison bldg, Phila., Pa.
Littleford Bros., 444 E Pearl, Cincinnati, O.
See adv index at end of book
McAleenan Bros. Co., 25th & Av R. R., Pittsburgh, Pa.
McNamara Bros. Co., Westport, Baltimore, Md.
McNeil Boiler Co., 96 Crozier, Akron, O.
Mader Bros. & Co., Lebanon, Pa.
Main Iron Works, 16th & Daggett, San Francisco, Cal.
Manitowoc Engineering Works, Manitowoc, Wis.
Morgan Construction Co., Worcester, Mass.
Muskegon Boiler Works, Muskegon, Mich.
National Tank & Pipe Co. ("National Quality"), 170 Columbia blvd, Portland, Ore. *See adv index at end of book*
New England Tank & Tower Co., 42 Main, Everett, Mass.
New Haven Boiler Works Inc., New Haven, Conn.
New York Central Iron Works Co. Inc., Hagerstown, Md.
Novelty Steam Boiler Works, 917 S Howard, Baltimore, Md.
Pacific Tank & Pipe Co., 320 Market, San Francisco, Cal.
PETROLEUM IRON WORKS CO. OF OHIO, Sharon, Pa.
See adv index at end of book
Pittsburgh-Des Moines Steel Co., 304 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Quaker City Iron Wks., Tioga & Richmond, Phila., Pa.
REEVES BROS. CO., THE, Alliance, O.
See adv index at end of book
Ruemmeli-Dawley Mfg. Co., 3900 Cheuteau av, St. Louis, Mo.
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
Smith Samuel & Son Co., Paterson, N. J.
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Standard Tank Car Co., Sharon, Pa.
Standard Tank Co., 342 Madison av, New York
Steel Plate Product Co., Pottstown, Pa.
Structural Stone Co., Hubbard, Ohio
Struthers-Wells Co., Warren Pa.
Stuart & Peterson Co. (Cast Iron), Burlington, N. J.
Tippett & Wood, Phillipsburg, N. J.
Traylor Engng. & Mfg. Co., Allentown, Pa.
Treadwell Construction Co., Midland, Pa.
Treadwell M. H. Co. of Ill., 203 S La Salle, Chicago, Ill.
Union Boiler & Mfg. Co., Dept. H, Lebanon, Pa.
United Iron Works, Inc., Kansas City, Mo.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
WARREN CITY TANK & BOILER CO. (THE), Warren, Ohio
See adv index at end of book
WENDNAGEL & CO., 620 W 22nd, Chicago
Western Gas Construction Co. 1431 Buchanan, Ft. Wayne, Ind.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Wickes Boiler Co., Saginaw, Mich.
See adv index at end of book
Woolford G. Wood Tank Mfg. Co., 72nd & Woodland, Phila., Pa.
See adv index at end of book
Youngstown Boiler & Tank Co., 1054 Mahoning av, Youngstown Ohio
Zelnicker Walter Supply Co. (Dealer), 325 Locust, St. Louis, Mo.

14725— Tanks (Air)

American Iron Works, Louisville, Ky.
American Welding Co. (Welded), Carbondale, Pa.
Baltimore Cooperage Co. (Air Pressure), Ostend & Leadenhall, Baltimore, Md.
Bass Foundry & Machine Co., Ft. Wayne, Ind.
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Bovaird & Seyfang Mfg. Co., Bradford, Pa.
Brunner Mfg. Co., Utica, N. Y.
Buckeye Boiler Co., Dayton, O.
Caldwell W. E. Co., Louisville, Ky.
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Coatesville Boiler Works (Steel), 111 S 15th, Philadelphia, Pa.
Cole R. D. Mfg. Co., Newman, Ga.
Columbiana Boiler Co., Columbiana, O.
Connery & Co. Inc., 4000 N 2nd, Phila., Pa.
See adv index at end of book
Daly M. J. & Sons, Waterbury, Conn.
DOVER BOILER WORKS, Sales Office: 40 Church, New York. Works, Dover, N. J. *See adv index at end of book*
Dravo Contracting Co., 1100 Diamond Bank bldg, Pittsburgh, Pa.
Dundon Iron Works, 235 Folsom, San Francisco Cal.
Federal Pressed Steel Co., Keefe av & N Pierce, Milwaukee, Wis.
Finch Mfg. Co., Scranton, Pa.
Fleming Mfg. Co., 411 Neal, New Castle Pa.
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Granger Co., A. D., 17 Park Row, New York
See adv index at end of book
Graver Corp., 4020 Todd av, E Chicago, Ind.
See adv index at end of book
Hammond Iron Works, Warren, Pa.
See adv index at end of book
Heggie James G. & Sons Inc., Joliet, Ill.
See adv index at end of book
Heil Co. ("Quality" Garage), 1270-1300 26th av, Milwaukee, Wis.
HELTZEL STEEL FORM & IRON CO. (THE), Warren, Ohio
See adv index at end of book
Home Industry Iron Works, 206 N Water, Mobile Ala.
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
International Boiler Works Co., East Stroudsburg, Pa.
Iron & Steel Contracting Co., 215 San Bruno av, San Francisco, Cal.
Johnson & Thompson, Birmingham, Ala.
Kittoe Boiler & Tank Co., Inc., Canton, O.
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Kraft A. C., 159 W. Lake, Chicago, Ill.
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
Lappan Jas. Mfg. Co., 20th & Pike, Pittsburgh, Pa.
Leader Iron Works, 2100 N. Jasper, Decatur, Ill.
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
Leslie, Elliott & Co., Paterson, N. J.
Littleford Bros., 444 E Pearl, Cincinnati, O.
See adv index at end of book
Lookout Boiler Mfg. Co., Chattanooga, Tenn.
McNamara Bros. Co., Westport, Baltimore, Md.
Mader Bros. & Co., Lebanon, Pa.
Main Iron Works, 16th & Daggett, San Francisco, Cal.
Manitowoc Engng. Works, Manitowoc, Wis.
Monarch Engineering & Mfg. Co., American bldg, Baltimore, Md.
Murphy & Walsh, Pekin, Ill.

(Continued on following page)

Tanks (Air)—Continued

Muskegon Boiler Works, Muskegon, Mich.
National Tank & Pipe Co. ("National Quality"), 170 Columbia blvd, Portland, Ore. *See adv index at end of book*
National Tube Co. ("Shelby" Seamless), Frick bldg, Pittsburgh, Pa.
New Haven Boiler Works Inc., New Haven, Conn.
New York Central Iron Wks. Co. Inc., Hagerstown, Md.
Novelty Steam Boiler Works, 917 S Howard, Baltimore, Md.
Ohio Machine & Boiler Co., 1510H University rd, Cleveland, O.
Penna. Range Boiler Co., 2024 N 10th, Phila., Pa.
Petroleum Iron Works Co. of Ohio, Sharon, Pa.
See adv index at end of book
Phoenix Iron Works Co., Meadville, Pa.
Pittsburgh-Des Moines Steel Co., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
PRESSED STEEL TANK CO. (Seamless Steel), 58th & Greenfield av, West Allis, Milwaukee, Wis.
See adv index at end of book
PRESTO-O-LITE CO. INC. (THE) (Drawn Steel), 30 E 42nd, New York
Quaker City Iron Wks., Tioga & Richmond, Phila., Pa.
REEVES BROS. CO., THE, Alliance, O.
See adv index at end of book
Rodgers Boiler & Burner Co., Muskegon, Mich.
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
Sharpsville Boiler Works, Sharpsville, Pa.
Skelton Joseph L. Engineering Co., Front, Toledo, Ohio
Smith Samuel & Son Co., Paterson, N. J.
Sotter Bros., Pottstown, Pa.
Southern Boiler Works, Belleville, Ill.
Southern Boiler & Tank Works., 1275 Thomas, Memphis, Tenn.
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Steel Plate Products Co., Pottstown, Pa.
Steel Tank & Products Corp., 26 N. Jefferson, Chicago, Ill.
Struthers-Wells Co., Warren, Pa.
Tippett & Wood, Phillipsburg, N. J.
Titusville Iron Co. (pneumatic), Titusville, Pa.
Toledo Metal Manufactures Co. (The), 983-1015 E Front, Toledo, Ohio
See adv index at end of book
Traylor Engng. & Mfg. Co., Allentown, Pa.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
Tudor Boiler Mfg. Co., 715 E 3d, Cincinnati, O.
Union Boiler & Mfg. Co. Dept. H, Lebanon, Pa.
Union Tank & Pipe Co., 2801 Santa Fe av, Los Angeles, Cal.
United Iron Works, Inc., Kansas City, Mo.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Warren City Tank & Boiler Co. (The), Warren, Ohio
See adv index at end of book
West Coast Iron & Steel Works Inc., 485 N 28th, Portland, Ore.
Western Drop Forge Co., P. O., Box 386, Marion, Ind.
Western Engineering Corp., Spokane & E. Marginal Way, Seattle, Wash.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Whitaker-Glessner Co., Wheeling, W. Va.
Wood John Mfg. Co., Dept. H, Conshohocken, Pa.
Worthington Pump & Mach'y Corp., 115 B'way, New York

14726— Tanks (Air Brake)

BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
McNamara Bros. Co., Westport, Baltimore, Md.
Phoenix Iron Works Co., Meadville, Pa.
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
Steel Tank & Products Corp., 26 N. Jefferson, Chicago, Ill.
Westinghouse Air Brake Co., Pittsburgh, Pa.
Wood John Mfg. Co., Dept. H, Conshohocken, Pa.

14727—Tanks (Air Compressor)

BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Bovaird & Seyfang Mfg. Co., Bradford, Pa.
Brunner Mfg. Co., Utica, N. Y.
Bury Compressor Co., 1200 W 17th, Erie, Pa.
Case W. A. & Sons Mfg. Co., 31 Main, Buffalo, N. Y.
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Cole R. D. Mfg. Co., Newman, Ga.
Columbiana Boiler Co., Columbiana, O
Connecticut Blower Co., Inc., 345 Trumbull, Hartford, Conn.
Cox & Sons Co., 5th & Chestnut, Phila., Pa.
DOVER BOILER WORKS. Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Downington Iron Works, East Downingtown, Pa.
Farrar & Trefts, Inc., Buffalo, N. Y.
Fleming Mfg. Co., 411 Neal, New Castle, Pa.
Globe Machinery & Supply Co., Des Moines, Ia.
Graver Corp., 4020 Todd av, E Chicago, Ind.
See adv index at end of book
Hammond Iron Works, Warren, Pa.
See adv index at end of book
Hartley Boiler Works, Montgomery, Ala.
Heggie James G. & Sons, Joliet, Ill.
Heltzel Steel Form & Iron Co. (The), Warren, O.
See adv index at end of book
Home Industry Iron Works, 206 N Water, Mobile, Ala.
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
International Boiler Works Co., East Stroudsburg, Pa.
Kewanee Boiler Co., Kewanee, Ill.
Kittoe Boiler & Tank Co. (Inc.), Canton, Ohio
KOVEN L. O. & BRO. INC., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Lancaster Iron Works, Lancaster, Pa.
Leader Iron Works, 2100 N Jasper, Decatur, Ill.
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
Leetonia Boiler Co., Leetonia, O.
Leslie Elliott & Co., Paterson, N. J.
Littleford Bros., 444 E Pearl, Cincinnati, Ohio
See adv index at end of book
McNamara Bros. Co., Westport, Baltimore, Md.
Main Iron Works, 16th & Daggett, San Francisco, Cal.
Michelmann Steel Construction Co., Quincy, Ill.
Murphy & Walsh, Pekin, Ill.
Muskegon Boiler Works, Muskegon, Mich.
National Tube Co. ("Shelby" Seamless), Frick bldg, Pittsburgh, Pa.
New Haven Boiler Works Inc., New Haven, Conn.
New York Central Iron Wks. Co. Inc., Hagerstown, Md.
Novelty Steam Boiler Works, 917 S Howard, Baltimore, Md.
Petroleum Iron Works Co. of Ohio, Sharon, Pa.
See adv index at end of book
Pittsburgh-Des Moines Steel Co., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
PRESSED STEEL TANK CO. (High Pressure), 58th & Greenfield av, West Allis, Milwaukee, Wis.
See adv index at end of book

HACKNEY Seamless Steel Pressure Tanks

Made from single piece of open hearth steel, pressed and cold-drawn to a seamless shell of the required size and metal thickness. Threaded openings made from drop forged steel rings welded in place where desired, reamed, faced and tapped.

Sizes range from 15 gal., 12" x 30" to 65 gal., 18" x 60" for 250 lbs. working pressure and to 80 gal., 20" x 60" for 200 lbs. working pressure; to comply with A.S.M.E. and local legal specifications.

Blue prints and specifications on request.

PRESSED STEEL TANK CO.
West Allis Milwaukee, Wis.

Quaker City Iron Wks., Tioga & Richmond, Phila., Pa.
RACINE BOILER & TANK CO., 1523 Sixteenth, Racine, Wis.
REEVES BROS. CO., THE, Alliance, O.
See adv index at end of book
Rodgers Boiler & Burner Co., Muskegon, Mich.
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
Sharpsville Boiler Works, Sharpsville, Pa.
Skelton Joseph L. Engineering Co., Front, Toledo, Ohio
Smith Samuel & Son Co., Paterson, N. J.
Sotter Bros., Pottstown, Pa.
Southern Boiler Works, Belleville, Ill.
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Steel Plate Products Co., Pottstown, Pa.
Steel Tank & Pipe Co., Corbin Station, Berkeley, Cal
Steel Tank & Products Corp., 26 N. Jefferson, Chicago, Ill.
Struthers-Wells Co., Warren, Pa.
Tippet & Wood, 162 Howard, Phillipsburg, N. J.
Traylor Engng. & Mfg. Co., Allentown, Pa.
Treadwell Construction Co., Midland, Pa.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
Turl Iron & Car Co. (Inc.), The, 50 Broad, New York. Works: Newburgh, N. Y.
Union Tank & Pipe Co., 2301 Santa Fe av, Los Angeles, Cal.
United Iron Works, Inc., Kansas City, Mo.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
WARREN CITY TANK & BOILER CO. (THE), Warren, Ohio
See adv index at end of book
Western Drop Forge Co., P. O. Box 386, Marion, Ind.
Western Gas Construction Co., 1481 Buchanan, Ft. Wayne, Ind.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Westinghouse Air Brake Co., Pittsburgh, Pa.

14728—Tanks (Air for Garage)

Biggs Boiler Works Co., Case av & Williams, Akron, Ohio
See adv index at end of book
Brunner Mfg. Co., Utica, N. Y.
Graver Corp., 4020 Todd av, E Chicago, Ind.
See adv index at end of book
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Lacy Mfg. Co., 601 Washington bldg, Los Angeles, Cal.
Leader Iron Works, 2100 N. Jasper, Decatur, Ill.
New Haven Boiler Works Inc., New Haven, Conn.
Novelty Steam Boiler Works, 917 S Howard, Baltimore, Md.
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York.
See adv index at end of book
Southern Boiler Works, Belleville, Ill.
Steel Tank & Products Corp., 26 N. Jefferson, Chicago, Ill.
Union Tank & Pipe Co., 2801H Santa Fe av, Los Angeles, Cal.

14729— Tanks (Aluminum)

Aluminum Company of America, 2301 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book
Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Caluminum Co. (The), 1312 S San Pedro, Los Angeles, Cal.
KELKER BLOWER CO., INC., 2383 Fillmore av, Buffalo, N. Y.
See adv index at end of book
Metal Products Corp., 49 Chestnut, Weehawken, N. J.

14729a— Tanks (Ammonia)

Heggie James G. & Sons Inc., Joliet, Ill.

14729b— Tanks (Annealing)

Heggie James G. & Sons Inc., Joliet, Ill.

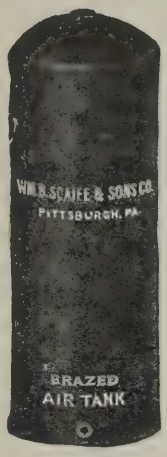
Tanks (Asphalt Heating)

See Heaters, Asphalt

14730—Tanks (Automobile, Fuel Storage)

AMERICAN CAN CO., 120 Broadway, New York. *See adv index at end of book*
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
Bauer Machine Works Co., 2326 Harrison, Kansas City, Mo.
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Bowser S. F. & Co., Fort Wayne, Ind.
Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Butler Mfg. Co., 1228 Eastern av, Kansas City, Mo.
Cadillac Plumbing & Heating Co., Cadillac, Mich.
Case W. A. & Sons Mfg. Co., 31 Main, Buffalo, N. Y.
Chapin R. E. Mfg. Works (Galvanized), Batavia, N. Y.
Clayton & Lambert Mfg. Co., 1270-80 Beaubien, Detroit, Mich.
Codd E. J. Co., 700 S. Carolina, Baltimore, Md.
Columbian Steel Tank Co. (Galvanized Steel), New England bldg, Kansas City, Mo.

(Continued on page 2058)



TANKS

For Every Purpose

SCAIFE "Copper-Brazed"
PRESSURE TANKS

GUARANTEED to Hold Air Indefinitely
Without Loss of Pressure



Wm. B. Scaife & Sons Co.

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New York Office
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Chicago Office
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Manufacturers of

Riveted, Welded and Copper-Brazed

Pneumatic and Storage Tanks

Gasoline Storage Outfits

High Pressure Tanks

Range Boilers



STEEL PLATE CONSTRUCTION

Oil Tanks, Water Tanks, Smoke Stacks
Riveted Pipe

Tanks (Automobile, Fuel Storage)—Continued

Connery & Co. Inc., 4000 N 2nd, Phila., Pa.
See adv index at end of book
Dixie Culvert & Metal Co., Atlanta, Ga.
Gilbert & Barker Mfg. Co. ("Gilbert & Barker" for Gasoline Storage), Springfield, Mass.
Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Gunning Boiler & Machine Co., New Bedford, Mass.
Harps J. A. Mfg. Co. ("Never-Fail"), Greenfield, O.
Hayes Mfg. Co., 480 Maybury, Detroit, Mich.
Heil Co. ("Quality"), 1270-1300 26th av, Milwaukee, Wis.
Home Industry Iron Works, 206 N Water, Mobile, Ala.
Kittoe Boiler & Tank Co. (Inc.), Canton, Ohio
KOVEN L. O. & BRO. INC., 154 Ogden av, Jersey City, N. Y.
See adv index at end of book
Kraft A. C., 159 W Lake, Chicago, Ill.
Lacy Mfg. Co., 601 Washington bldg, Los Angeles, Cal.
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
McNamara Bros. Co., Westport, Baltimore, Md.
Main Iron Works, 16th & Daggett, San Francisco, Cal.
Martin Metal Mfg. Co., Wichita, Kansas
Meurer Steel Barrel Co., Inc. ("Anchor" Welded Seamless), 23 W 43rd, New York
Morrison Bros., Dubuque, Ia.
New Haven Boiler Works Inc., New Haven, Conn.
Novelty Steam Boiler Works, 917 S Howard, Baltimore, Md.
Penna. Furnace & Iron Co., 373 Pine, Warren, Pa.
See adv index at end of book
Phoenix Iron Wks. Co., Meadville, Pa.
Pittsburgh-Des Moines Steel Co., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
Sexton Can Co. ("Sexton"), 123 Broad, Boston, Mass.
Southern Boiler Works, Belleville, Ill.
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Standard Tank Car Co., Sharon, Pa.
Standard Tank Co., 342 Madison av, New York
Steel Plate Products Co., Pottstown, Pa.
Steel Tank & Products Corp., 26 N. Jefferson, Chicago, Ill.
Struthers-Wells Co., Warren, Pa.
Tippett & Wood, Phillipsburg, N. J.
Tokheim Oil Tank & Pump Co., Fort Wayne, Ind.
Union Boiler & Mfg. Co., Dept. H, Lebanon, Pa.
Union Tank & Pipe Co., 2601 Santa Fe av, Los Angeles, Cal.
Welded Products Co., 2700H 7th av, Birmingham, Ala.
Welded Steel Barrel Corp., Hart av & Charlevoix, Detroit, Mich.
Western Drop Forge Co., P. O. Box 386, Marion, Ind.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Willcox Engineering Co., 1525 Holland av, Saginaw, Mich.

14731—Tanks (Automobile Storage, Garage)

BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Codd E. J. Co., 700 S. Carolina, Baltimore, Md.
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
HAMMOND IRON WORKS, Warren, Pa.
See adv index at end of book
Home Industry Iron Works, 206 N Water, Mobile, Ala.
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
New Haven Boiler Works Inc., New Haven, Conn.
Novelty Steam Boiler Works, 917 S Howard, Baltimore, Md.
Penna. Furnace & Iron Co., 373 Pine, Warren, Pa.
See adv index at end of book
Pittsburgh-Des Moines Steel Co., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Scaife Wm. B. & Sons Co., 1st Nat. Bk. bldg, Pittsburgh, Pa.
See adv index at end of book
STANDARD BOILER & PLATE IRON CO., Niles, Ohio
See adv index at end of book
Steel Tank & Products Corp., 26 N. Jefferson, Chicago, Ill.
Struthers-Wells Co., Warren, Pa.
Union Tank & Pipe Co., 2801 Santa Fe av, Los Angeles, Cal.
Welded Products Co., 2700H 7th av, Birmingham, Ala.
Western Drop Forge Co., P. O. Box 386, Marion, Ind.

14732—Tanks (Automobile, Water & Gasoline

BIGGS BOILER WORKS CO., Case av & Williams, Akron, O
See adv index at end of book
Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Clayton & Lambert Mfg. Co., 10565 Knodell av, Detroit, Mich.
Edwards Mfg. Co., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Holzer R. G. (Estate of), 317 Burgundy, New Orleans, La.
Home Industry Iron Works, 206 N Water, Mobile, Ala.
Illinois Brass Mfg. Co. ("No-Wast" Caps), 224 N Ada, Chicago, Ill.
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
Lacy Mfg. Co., 601 Washington bldg, Los Angeles, Cal.
Manrow Sheet Metal Works, Goshen, Ind.
New Haven Boiler Works Inc., New Haven, Conn.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
Novelty Steam Boiler Works, 917 S Howard, Baltimore, Md.
Penna. Furnace & Iron Co., 373 Pine, Warren, Pa.
See adv index at end of book
Pettis W. W. Co., 416-417 First National Bank bldg, Cincinnati, O.
Pittsburgh-Des Moines Steel Co., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
PRESSED STEEL TANK CO. (Gas, Seamless Steel), 58th & Greenfield av, West Allis, Milwaukee, Wis.
See adv index at end of book
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
Sharpsville Boiler Works, Sharpsville, Pa.
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Steel Plate Products Co., Pottstown, Pa.
Steel Tank & Products Corp., 26 N. Jefferson, Chicago, Ill.
Struthers-Wells Co., Warren, Pa.
Union Tank & Pipe Co., 2801 Santa Fe av, Los Angeles, Cal.
Welded Products Co., 2700H 7th av, Birmingham, Ala.
Western Drop Forge Co., P. O. Box 386, Marion, Ind.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

14733— Tanks (Beet Sugar Syrup)

BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Dover Boiler Works. Sales Office, 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Eagle Tank Co., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Home Industry Iron Works, 206 N Water, Mobile, Ala.
Leader Iron Works, 2100 N Jasper, Decatur, Ill.
Pennsylvania Furnace & Ohio Co., 373 Pine, Warren, Pa.
See adv index at end of book
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Struthers-Wells Co., Warren, Pa.
Treadwell Construction Co., Midland, Pa.
Walsh & Weidner Boiler Co., W Main & Ash, Chattanooga, Tenn.

14734— Tanks (Bleaching)

ACME TANK CO. (Wood), 43 Cortlandt, New York *See adv index at end of book*
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Connery & Co. Inc., 4000 N 2nd, Phila., Pa.
See adv index at end of book
CORCORAN A. J., INC., 745 Jersey av, Jersey City, N. J.
See adv index at end of book
Dover Boiler Works. Sales Office, 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Eagle Tank Co., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Fleming Mfg. Co., 411 Neal, New Castle, Pa.
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Hauser Stander Tank Co. (Wood), Ammen & B. & O. Ry., Cincinnati, Ohio
See adv index at end of book
Home Industry Iron Works, 206 N Water, Mobile, Ala.
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Hunt Rodney Machine Co., Orange, Mass.
Johnson & Carlson, 864 Eastman, Chicago
Johnson & Thompson, Birmingham, Ala.
Kittoe Boiler & Tank Co. Inc., Canton, O.
KOVEN L. O. & BRO. INC., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Lacy Mfg. Co., 601 Washington bldg, Los Angeles, Cal.
Leader Iron Works, 2100 N. Jasper, Decatur, Ill.
McNamara Bros. Co., Westport, Baltimore, Md.
Manitowoc Engineering Works, Manitowoc, Wis.
National Tank & Pipe Co. ("National Quality"), 170 Columbia blvd, Portland, Ore. *See adv index at end of book*
New England Tank & Tower Co., 42 Main, Everett, Mass.
New Haven Boiler Works Inc., New Haven, Conn.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
Pacific Tank & Pipe Co., 20 Market, San Francisco, Cal.
Pennsylvania Furnace & Iron Co., 373 Pine, Warren, Pa.
See adv index at end of book
Phoenix Iron Works Co., Meadville, Pa.
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Standard Tank Car Co., Sharon, Pa.
Steel Plate Products Co., Pottstown, Pa.
Struthers-Wells Co., Warren, Pa.
Traylor Engng. & Mfg. Co., Allentown, Pa.
Walsh & Weidner Boiler Co., W Main & Ash, Chattanooga, Tenn.
WENDNAGEL & CO., 620 W 22nd, Chicago
Woolford G. Wood Tank Mfg. Co., 72nd & Woodland, Phila., Pa.
See adv index at end of book

14735— Tanks (Blow-Off)

Abendroth G. Irving Co., 10 E 43d, New York
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Bovaird & Seyfang Mfg. Co., Bradford, Pa.
Case W. A. & Sons Mfg. Co., 31 Main, Buffalo, N. Y.
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Codd E. J. Co., 700 S Carolina, Baltimore, Md.
Columbiana Boiler Co., Columbiana, O.
Cox & Sons Co., 5th & Chestnut., Phila., Pa.
Creswell Samuel J. Iron Works, 23d & Cherry, Phila., Pa.
Crook H. E. & Co. Inc., 23 Light, Baltimore, Md.
Daly M. J. & Sons, Waterbury, Conn.
Dover Boiler Works. Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Dundon Iron Works, 225 Folsom, San Francisco, Cal.
Estabrook's R. Sons ("Boston" with Clean-out Cover), 202 1st, Boston, Mass.
Fleming Mfg. Co., 411 Neal, New Castle, Pa.
Gerdes & Co., 42 Church, New York
See adv index at end of book
Granger Co., A. D., 17 Park Row, New York
See adv index at end of book
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Hammond Iron Works, Warren, Pa.
See adv index at end of book
Heggie James G. & Sons Inc., Joliet, Ill.
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Johnson & Thompson, Birmingham, Ala.
Kellogg M. W. Co. (Welded), 90 West, New York. *See adv index at end of book*
Kewanee Boiler Co., Kewanee, Ill.
Kittoe Boiler & Tank Co. (Inc.), Canton, O.
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Kries Henry A. & Sons Co., 8 W Lombard, Baltimore, Md.
Lancaster Iron Works, Lancaster, Pa.

Lappen Jas. Mfg. Co., 20th & Pike, Pittsburgh, Pa.
Leader Iron Works, 2100 N. Jasper, Decatur, Ill.
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
McDermott Bros. Co., Allentown, Pa.
McNamara Bros. Co., Westport, Baltimore, Md.
Main Iron Works, 16th & Daggett, San Francisco, Cal.
Manitowoc Engineering Works, Manitowoc, Wis.
New Haven Boiler Works, Inc., New Haven, Conn.
New York Central Iron Wks. Co. Inc., Hagerstown, Md.
Novelty Steam Boiler Works, 917 S. Howard, Md
Ohio Machine & Boiler Co., 1510 University rd, Cleveland, O.
Pennsylvania Furnace & Iron Co., 373 Pine, Warren, Pa.
See adv index at end of book
Phoenix Iron Wks. Co., Meadville, Pa.
Quaker City Iron Works, Tioga & Richmond, Phila., Pa.
Racine Boiler & Tank Co., 1523 Sixteenth, Racine, Wis.
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
Sotter Bros., Pottstown, Pa.
Southern Boiler & Tank Works, 1275 Thomas, Memphis, Tenn.
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Steel Plate Products Co., Pottstown, Pa.
Steel Tank & Products Corp., 26 N. Jefferson, Chicago, Ill.
Struthers-Wells Co., Warren, Pa.
Tippett & Wood, Phillipsburg, N. J.
Traylor Engng. & Mfg. Co., Allentown, Pa.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
Turl Iron & Car Co., Inc., The, 50 Broad, New York. Works: Newburgh, N. Y.
Union Boiler & Mfg. Co., Dept. H, Lebanon, Pa.
Union Iron Works, Hoboken, N. J.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Walworth Mfg. Co., 82H Pearl, Boston, Mass.
Warren City Tank & Boiler Co. (The), Warren, Ohio
See adv index at end of book
Wendnagel & Co., 620 W 22nd, Chicago, Ill.
Western Pipe & Steel Co., 444 Market, San Francisco Cal.

14735a—Tanks (Boat)

Koven & Brother, Inc., L. O., 154 Ogden av, Jersey City, N. J.
See adv index at end of book

TANKS—Boat

Tanks for carrying gasoline, water, oil or compressed air of any capacity or shape to fit into boats, made of plain or galvanized steel, copper or monel metal.

L. O. KOVEN & BROTHER, Inc.
154 Ogden Avenue, Jersey City, N. J.

14736— *Tanks (Brazed)

SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
Walsh & Weidner Boiler Co., W Main & Ash, Chattanooga, Tenn.

14736a— Tanks (Brine)

Biggs Boiler Works Co., Case av & Williams, Akron, O.
See adv index at end of book
Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Eagle Tank Co., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Fleming Mfg. Co., 411 Neal, New Castle, Pa.
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Hauser Stander Tank Co., Ammen & B. & O. Ry., Cincinnati, Ohio
See adv index at end of book
Heltzel Steel Form & Iron Co., Warren, O.
See adv index at end of book
Home Industry Iron Works, 206 N Water, Mobile, Ala.
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Johnson & Carlson, 864 Eastman, Chicago
Lacy Mfg. Co., 601 Washington bldg, Los Angeles, Cal.
Lancaster Iron Works, Lancaster, Pa.
Leader Iron Works, 2100 N. Jasper, Decatur, Ill.
Littleford Bros. (Steel), 444 E Pearl, Cincinnati, O. *See adv index at end of book*
McNamara Bros. Co., Westport, Baltimore, Md.
Mader Bros. & Co., Lebanon, Pa.
National Tank & Pipe Co. ("National Quality"), 170 Columbia blvd, Portland, Ore. *See adv index at end of book*
New England Tank & Tower Co., 42 Main, Everett, Mass.
New Haven Boiler Iron Works Inc., New Haven, Conn.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
Pacific Tank & Pipe Co., 20 Market, San Francisco, Cal.
Pennsylvania Furnace & Iron Co., 373 Pine, Warren, Pa.
See adv index at end of book
Pittsburgh-Des Moines Steel Co., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Quaker City Iron Wks., Tioga & Richmond, Phila., Pa.
Racine Boiler & Tank Co., 1523 Sixteenth, Racine, Wis.
Rasner & Dinger Co., 850 W North av, Pittsburgh, Pa.
Southern Boiler Works, Belleville, Ill.
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Standard Tank Car Co., Sharon, Pa.
Steel Plate Products Co., Pottstown, Pa.
Struthers-Wells Co., Warren, Pa.
Traylor Engng. & Mfg. Co., Allentown, Pa.
Wendnagel & Co., 620 W 22nd, Chicago
York Mfg. Co., York, Pa.
Youngstown Boiler & Tank Co., 1054 Mahoning av, Youngstown, Ohio

14737— Tanks (Cachaza)

Blymyer Iron Works Co., Cincinnati, O.

Tanks (Calcium Light)

See Cylinders, Calcium Light

14738—Tanks (Canners' Process)

Acme Tank Co., 43 Cortlandt, New York
See adv index at end of book
EAGLE TANK CO., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Johnson & Thompson, Birmingham, Ala.
Lacy Mfg. Co., 601 Washington bldg, Los Angeles, Cal.
Union Tank & Pipe Co., 2801 Santa Fe av, Los Angeles, Cal.
Woolford G. Wood Tank Mfg. Co. 72nd & Woodland, Phila., Pa.
See adv index at end of book

14739— Tanks (Car)

Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Caldwell W. E. Co., Louisville, Ky.
Case W. A. & Sons Mfg. Co., 31 Main, Buffalo, N. Y.
Columbiana Boiler Co., Columbiana, O.
Connery & Co. Inc., 4000 N 2nd, Phila., Pa. *See adv index at end of book*
DOVER BOILER WORKS, Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Dravo Contracting Co., 1100 Diamond Bank bldg, Pittsburgh, Pa.
Eagle Tank Co., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Erie City Iron Works, Erie, Pa.
General American Tank Car Corp., 111 W Monroe, Chicago, Ill.
Graver Corp. (Oil & Acid), 4020 Todd av, E Chicago, Ind.
See adv index at end of book
Hammond Iron Works, Warren, Pa.
See adv index at end of book
Hartley Boiler Works, Montgomery, Ala.
Hauser Stander Tank Co. (Wood), Ammen & B. & O. Ry., Cincinnati, Ohio
See adv index at end of book
Heggie James G. & Sons, Joliet, Ill.
Home Industry Iron Works, 206 N Water, Mobile, Ala.
Johnson & Carlson, 864 Eastman, Chicago
Johnson & Thompson, Birmingham, Ala.
Kittoe Boiler & Tank Co., Inc., Canton, O.
Kraft A. C., 159 W Lake, Chicago, Ill.
Lancaster Iron Works ("Lancaster"), 500H Prince, Lancaster, Pa.
Lappan Jas. Mfg. Co., 20th & Pike, Pittsburgh, Pa.
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
McAleenan Bros. Co., 25th & A. V. R. R., Pittsburgh, Pa.
McNamara Bros. Co., Westport, Baltimore, Md.
McNeil Boiler Co., 96 Crozier, Akron, O.
Main Iron Works, 16th & Daggett, San Francisco, Cal.
Meehan Boiler & Construction Co., Lowellville, O.
National Tank & Pipe Co. ("National Quality"), 170 Columbia blvd, Portland, Ore. *See adv index at end of book*
Penna. Tank Car Co., Sharon, Pa.
PETROLEUM IRON WORKS CO. OF OHIO, Sharon, Pa.
See adv index at end of book
Phoenix Iron Wks. Co., Meadville, Pa.
Pittsburgh-Des Moines Steel Co., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Pressed Steel Car Co. (Steel), 307 5th av, Pittsburgh, Pa.
Reeves Bros. Co. (The), Alliance, O.
See adv index at end of book
Scaife Wm. B. & Sons Co., 1st Nat. Bk. bldg, Pittsburgh, Pa.
See adv index at end of book
Sharpsville Boiler Works, Sharpsville, Pa.
Southern Boiler & Tank Works, 1275 Thomas, Memphis, Tenn.
Standard Tank Car Co., Sharon, Pa.
Struthers-Wells Co., Warren, Pa.
Tippett & Wood, Phillipsburg, N. J.
Treadwell Constr. Co., Midland, Pa.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
Turl Iron & Car Co. Inc., The, 50 Broad, New York. Works: Newburgh, N. Y.
Union Iron Works, Hoboken, N. J.
Walsh & Weidner Boiler Co., Chattanooga, Tenn
WARREN CITY TANK & BOILER CO. (THE), Warren, Ohio
See adv index at end of book
West Coast Iron & Steel Works Inc., 485 N 28th, Portland, Ore.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Western Steel Car & Foundry Co. (Steel), Farmer's Bank bldg, Pittsburgh, Pa.
Woolford G. Wood Tank Mfg. Co., 72nd & Woodland, Phila, Pa.
See adv index at end of book
Zelnicker Walter Supply Co. (Dealer), 325 Locust, St. Louis Mo.

14740—*Tanks (Car Lighting)

Pressed Steel Tank Co., 58th & Greenfield av, West Allis, Milwaukee, Wis.
See adv index at end of book
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book

14741—Tanks (Car Wheel Annealing)

BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Dover Boiler Works, Sales Office, 40 Church, New York. Works: Dover, N. Y. *See adv index at end of book*
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book

14742—Tanks (Cast Iron Storage)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Fairbanks Morse & Co., 900 S Wabash av, Chicago, Ill.
Gerdes & Co., 42 Church, New York
See adv index at end of book
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Johnson & Thompson, Birmingham, Ala.
Kutztown Foundry & Machine Co., 1421 Chestnut, Phila., Pa.
See adv index at end of book
Traylor Engng. & Mfg. Co., Allentown, Pa.
United Iron Works, Inc., Kansas City, Mo.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.

14743— Tanks (Chemical)

ACME TANK COMPANY (Wood), 43 Cortlandt, New York
See adv index at end of book
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
Barker Bros., Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
Bethlehem Foundry & Machine Co. (Cast Iron, Evaporating, Mining, etc), South Bethlehem, Pa.
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
California Boiler Works, 526 Howard, San Francisco, Cal.

(Continued on following page)

Tanks (Chemical)—Cont.

Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Coatesville Boiler Works, 111 S 15th, Philadelphia, Pa.
Codd E. J. Co., 700 S Carolina, Baltimore, Md.
Cole R. D. Mfg. Co., Newnan, Ga.
Connery & Co. Inc., 4000 N 2nd, Phila., Pa. *See adv index at end of book*
CORCORAN A. J., INC., 745 Jersey av, Jersey City, N. J.
See adv index at end of book
Crysteel Works, of Benjamin Electric Mfg. Co., 847 W Jackson blvd, Chicago, Ill.
Devine J. P. Co., Buffalo, N. Y.
Dover Boiler Works, Sales Office, 40 Church, New York. Works, Dover, N. J. *See adv index at end of book*
Eagle Tank Co., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Elyria Enameled Products Co., The, (Glass Enameled), Elyria, O.
Fleming Mfg. Co., 411 Neal, New Castle, Pa.
Granger Co., A. D., 17 Park Row, New York
See adv index at end of book
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Hammond Iron Works, Warren, Pa.
See adv index at end of book
Hauser Stander Tank Co. (Wood), Ammen & B. & O. Ry., Cincinnati, Ohio
See adv index at end of book
Heggie James G. & Sons Inc., Joliet, Ill.
Home Industry Iron Works, 206 N Water, Mobile, Ala.
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book

INCO
Monel metal
CHEMICAL TANKS
Resists Corrosion of All Alkalis, Most Acids, and Many Chemicals.
Can Be Supplied in All Monel Metal, or of Wood or Other Material Lined with Monel Metal.
Write for Details.
SEE OUR INSERT AT MONEL METAL
THE INTERNATIONAL NICKEL COMPANY
67 Wall Street New York, N.Y.

Johnson & Carlson, 864 Eastman, Chicago
Johnson & Thompson, Birmingham, Ala.
KOVEN L. O. & BRO. INC., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Lacey Mfg. Co., 309 S Spring, Los Angeles, Cal.
Leader Iron Works, 2100 N. Jasper, Decatur, Ill.
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
Littleford Bros., 444 E Pearl, Cincinnati, O.
See adv index at end of book
McAleenan Bros. Co., 25th & A. V. R. R., Pittsburgh, Pa.
McDermott Bros. Co., Allentown, Pa.
McNamara Bros. Co., Westport, Baltimore, Md.
Maddock John & Sons (White Vitreous or Porous Earthenware), Trenton, N. J.
Mader Bros. & Co., Lebanon, Pa.
Main Iron Works, 16th & Daggett, San Francisco, Cal.
Manitowoc Engineering Works, Manitowoc, Wis.
NATIONAL TANK & PIPE CO. ("National Quality"), 170 Columbia blvd, Portland, Ore. *See adv index at end of book*
New England Tank & Tower Co., 42 Main, Everett, Mass.
New Haven Boiler Works Inc., New Haven, Conn.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
Novelty Steam Boiler Works, 917 S Howard, Baltimore, Md.
Pacific Tank & Pipe Co., 320 Market, San Francisco, Cal.
PENNA. FURNACE & IRON CO., 373 Pine, Warren, Pa.
See adv index at end of book
Portland Monson Slate Co. ("Monson" Slate), Portland, Me.
Quaker City Iron Works, Tioga & Richmond, Phila., Pa.
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
Sharpsville Boiler Works, Sharpsville, Pa.
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Standard Tank Car Co., Sharon, Pa.
Steel Plate Products Co., Pottstown, Pa.
Structural Stone Co., Hubbard, Ohio
Struthers-Wells Co., Warren, Pa.
Traylor Engng. & Mfg. Co., Allentown, Pa.
Union Boiler & Mfg. Co., Dept. H, Lebanon, Pa.
United States Stoneware Co. (Glazed Stoneware), Akron, O.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Weeks Arthur J. (Stoneware), Akron, O.
WENDNAGEL & CO., 620 W 22nd, Chicago
Youngstown Boiler & Tank Co., 1054 Mahoning av, Youngstown, Ohio

14744— Tanks (Coal Tar)

BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Connery & Co. Inc., 4000 N 2nd, Phila., Pa.
See adv index at end of book
Fleming Mfg. Co., 411 Neal, New Castle, Pa.
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Home Industry Iron Works, 206 N Water, Mobile, Ala.
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Johnson & Thompson, Birmingham, Ala.
Leader Iron Works, 2100 N Jasper, Decatur, Ill.
Long Walter Mfg. Co., 1312 Muriel, Pittsburgh, Pa.
Mader Bros. & Co., Lebanon, Pa.
New Haven Boiler Works Inc., New Haven, Conn.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
Pennsylvania Furnace & Iron Co., 373 Pine, Warren, Pa.
See adv index at end of book
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Standard Tank Car Co., Sharon, Pa.
Struthers-Wells Co., Warren, Pa.
Traylor Engng. & Mfg. Co., Allentown, Pa.
Walsh & Weidner Boiler Co., W Main & Ash, Chattanooga, Tenn.
Youngstown Boiler & Tank Co., 1054 Mahoning av, Youngstown, Ohio

14744a—Tanks (Cocoanut Oil Storage)

See also Tanks, Oil Storage

Connery & Co. Inc., 4000 N 2nd, Phila., Pa.
See adv index at end of book
Eagle Tank Co., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Fleming Mfg. Co., 411 Neal, New Castle, Pa.
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Hammond Iron Works, Warren, Pa.
See adv index at end of book
Leader Iron Works, 2100 N Jasper, Decatur, Ill.
Novelty Steam Boiler Works, 917 S Howard, Baltimore, Md.
Pennsylvania Furnace & Iron Co., 373 Pine, Warren, Pa.
See adv index at end of book
Struthers-Wells Co., Warren, Pa.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

14745—Tanks (Cold Storage)

Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
California Boiler Works, 526 Howard, San Francisco, Cal.
Connery & Co. Inc., 4000 N 2nd, Phila., Pa.
See adv index at end of book
DOVER BOILER WORKS. Sales Office, 40 Church, New York. Works: Dover, N.J.
See adv index at end of book
Eagle Tank Co., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Fleming Mfg. Co., 411 Neal, New Castle, Pa.
Graver Corp., 4150 Todd av., E. Chicago, Ind. *See adv index at end of book*
Hammond Iron Works (Steel), Warren, Pa. *See adv index at end of book*
Home Industry Iron Works, 206 N Water, Mobile, Ala.
INGRAM-RICHARDSON MFG. CO. (Enameled Iron), Beaver Falls, Pa.
See adv index at end of book
Lancaster Iron Works, Lancaster, Pa.
Leader Iron Works, 2100 N Jasper, Decatur, Ill.
Mader Bros. & Co., Lebanon, Pa.
New Haven Boiler Works Inc., New Haven, Conn.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
Pennsylvania Furnace & Iron Co., 373 Pine, Warren, Pa.
See adv index at end of book
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Standard Tank Car Co., Sharon, Pa.
Steel Plate Products Co., Pottstown, Pa.
Struthers-Wells Co., Warren, Pa.
Traylor Engng. & Mfg. Co., Allentown, Pa.
Treadwell Construction Co., Midland, Pa.

14746— Tanks (Condenser)

Abendroth G. Irving Co., 10 E 43d, New York
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Bovaird & Seyfang Mfg. Co., Bradford, Pa.
Case W. A. & Sons Mfg. Co., 31 Main, Buffalo, N. Y.
CHICAGO BRIDGE & IRON WORKS, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Columbiana Boiler Co., Columbiana, O.
Cox & Sons Co., 5th & Chestnut, Phila., Pa.
Dover Boiler Works. Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Fleming Mfg. Co., 411 Neal, New Castle, Pa.
Frick Co., Waynesboro, Pa.
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Heggie James G. & Sons Inc., Joliet, Ill.
Heltzel Steel Form & Iron Co. (The), Warren, Ohio
See adv index at end of book
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Johnson & Thompson, Birmingham, Ala.
Kittoe Boiler & Tank Co. (Inc.), Canton, Ohio
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Lacy Mfg. Co., 601 Washington bldg, Los Angeles, Cal.
Lancaster Iron Works, Lancaster, Pa.
Lappan Jas. Mfg. Co., 20th & Pike, Pittsburgh, Pa.
Leader Iron Works, 2100 N Jasper, Decatur, Ill.
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
Leslie Elliott & Co., Paterson, N. J.
McNamara Bros. Co., Westport, Baltimore, Md.
Mader Bros. & Co., Lebanon, Pa.
Main Iron Works, 16th & Daggett, San Francisco, Cal.
Manitowoc Engineering Works, Manitowoc, Wis.
New Haven Boiler Works Inc., New Haven, Conn.
New York Central Iron Wks. Co. Inc., Dept. H. Hagerstown, Md.
Petroleum Iron Works Co. of Ohio, Sharon, Pa.
See adv index at end of book
Phoenix Iron Wks. Co., Meadville, Pa.
Quaker City Iron Wks., Tioga & Richmond, Phila., Pa.
Reeves Bros. Co. (The), Alliance, O.
See adv index at end of book
Rochester Can Co. ("Iron Horse" Galvanized), 89 Hague, Rochester, N. Y.
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
Sharpsville Boiler Works, Sharpsville, Pa.
Smith Samuel & Son Co., Paterson, N. J.
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Standard Tank Car Co., Sharon, Pa.
Steel Plate Products Co., Pottstown, Pa.
Steel Tank & Products Corp., 26 N Jefferson, Chicago, Ill.
Struthers-Wells Co., Warren, Pa.
Tippett & Wood, Phillipsburg, N. J.
Topeka Steam Boiler Works, Topeka, Kan.
Traylor Engng. & Mfg. Co., Allentown, Pa.
Treadwell Constr. Co., Midland, Pa.
Union Tank & Pipe Co., 2801 Santa Fe av, Los Angeles, Cal.
United Iron Works, Inc., Kansas City, Mo.
Walsh & Weidner Boiler Co., W Main & Ash, Chattanooga, Tenn.
WARREN CITY TANK & BOILER CO. (THE), Warren, Ohio
See adv index at end of book
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Wheeler Condenser & Engng. Co., W Carteret, N. J.

14747—Tanks (Congealing & Freezing)

Biggs Boiler Works Co., Case av & Williams, Akron, O.
See adv index at end of book
Brunswick Refrigerating Co., New Brunswick, N. J.
Connery & Co. Inc., 4000 N 2nd, Phila., Pa.
See adv index at end of book
Fleming Mfg. Co., 411 Neal, New Castle, Pa.

Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Leader Iron Works, 2100 N Jasper, Decatur, Ill.
New Haven Boiler Works Inc., New Haven, Conn.
Pennsylvania Furnace & Iron Co., 373 Pine, Warren, Pa.
See adv index at end of book
Southern Boiler & Tank Works, 1275 Thomas, Memphis, Tenn.
Steel Plate Products Co., Pottstown, Pa.
Struthers-Wells Co., Warren, Pa.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.

14747a— Tanks (Cooling)

Racine Boiler & Tank Co., 1523 Sixteenth, Racine, Wis.

14748— Tanks (Copper)

American Copper & Brass Works, 614 E Front, Cincinnati, O.
Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
BADGER E. B. & SONS CO., 75A Pitts, Boston, Mass.
See adv index at end of book
Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
Beckley Perforating Co., Garwood, N. J.
Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Bucyrus Copper Kettle Works Co. (The), Bucyrus, Ohio
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Deuel Chas. C. Co., 631 Jones, Detroit, Mich.
Devine J. P. Co., Buffalo, N. Y.
GERDES & CO., 42 Church, New York
See adv index at end of book
Gerstein Bros. & Cooper, 3 W 3d, S Boston, Mass.
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
KELKER BLOWER CO., INC., 2383 Fillmore av, Buffalo, N. Y.
See adv index at end of book
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Kraft A. C., 159 W Lake, Chicago, Ill.
Krenz Oscar Copper & Brass Works, 612 Bryant, San Francisco, Cal.
Marshall Blow Pipe Co., 7431 Dubois, Detroit, Mich.
Oat Joseph & Sons, 28 Quarry, Phila., Pa.
Standard Water Systems Co. ("Tripure"), Hampton, N. J.
Stender Coppersmith Co. (The), 2930 Smallman, Pittsburgh, Pa.
See adv index at end of book
Stokes F. J. Machine Co. (For Chemical & Metallurgical Purposes), 17th & Cambria, Phila., Pa.
Trageser John Steam Copper Works, 447 W 26th, New York
Vulcan Copper Works Co., 120 Sycamore, Cincinnati, Ohio
Willcox Engineering Co., 1525 Holland av, Saginaw, Mich.
Young Bros. Co., 666 Mack, Detroit, Mich.

14749— Tanks (Cottonseed Oil)

BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Eagle Tank Co., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Fleming Mfg. Co., 411 Neal, New Castle, Pa.
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Johnson & Thompson, Birmingham, Ala.
Lacey Mfg. Co., 601 Washington bldg, Los Angeles, Cal.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
Pennsylvania Furnace & Iron Co., 373 Pine, Warren, Pa.
See adv index at end of book
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Struthers-Wells Co., Warren, Pa.
Traylor Engng. & Mfg. Co., Allentown, Pa.
Treadwell Construction Co., Midland, Pa.
Walsh & Weidner Boiler Co., W Main & Ash, Chattanooga, Tenn.

14750— Tanks (Cyanide)

See also Tanks, Wood

Abendroth & Root Mfg. Co., Newburgh, N. Y. *See adv index at end of book*
ACME TANK COMPANY (Wood), 42 Cortlandt, New York
See adv index at end of book
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Wood Pipe Co., Tacoma, Wash.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Caldwell W. E. Co., Louisville, Ky.
Colorado Iron Works Co. (Steel), Denver, Colo.
Columbiana Boiler Co., Columbiana, O.
Continental Pipe Mfg. Co., Seattle, Wash.
Dover Boiler Works, Sales Office, 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Eagle Tank Co., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Federal Pipe and Tank Co., 5332 24th av N W, Seattle, Wash.
Freeman Mfg. Co., Racine Wis.
See adv index at end of book
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Hammond Iron Works, Warren, Pa.
See adv index at end of book
Hassell Iron Works Co., Colorado Springs, Colo.
Hauser Stander Tank Co. (Wood), Ammen & B. & O. Ry., Cincinnati, Ohio
See adv index at end of book
Heltzel Steel Form & Iron Co., The, Warren, O.
See adv index at end of book
Herbert Vogel & Mark Co. Inc., 18th & Indiana, San Francisco, Cal.
Holbrook J. F. Co., 302 N San Pedro, Los Angeles, Cal.
Johnson & Carlson, 864 Eastman, Chicago
Johnson & Thompson, Birmingham, Ala.
Kittoe Boiler & Tank Co. (Inc.), Canton, Ohio
Lacy Mfg. Co., 601 Washington bldg, Los Angeles, Cal.
Lancaster Iron Works, Lancaster, Pa.
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
McDermott Bros. Co., Allentown, Pa.
McNamara Bros. Co., Westport, Baltimore, Md.
Manitowoc Engineering Works, Manitowoc, Wis.
Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.
Moyle E. H. Engng. & Equipment Co. ("Moyle" Precipitating), 4824 S Main, Los Angeles, Cal.
NATIONAL TANK & PIPE CO. ("National Quality"), 170 Columbia blvd, Portland, Ore. *See adv index at end of book*
New York Central Iron Wks. Co. Inc., Hagerstown, Md.
PACIFIC TANK & PIPE CO., 320 Market, San Francisco, Cal.
Petroleum Iron Works Co. of Ohio, Sharon, Pa.
See adv index at end of book
Phoenix Iron Works Co., Meadville, Pa.
Redwood Mfrs. Co. (Cal. Redwood), Hobart bldg, San Francisco, Cal.
Reeves Bros. Co. (The), Alliance, O.
See adv index at end of book
Rodgers Boiler & Burner Co., Muskegon, Mich.
Salt Lake Iron & Steel Co., Salt Lake City, Utah
Sharpsville Boiler Works, Sharpsville, Pa.
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Steel Plate Products Co., Pottstown, Pa.
Struthers-Wells Co., Warren, Pa.
Treadwell Construction Co., Midland, Pa.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
Warren City Tank & Boiler Co. (The), Warren, Ohio
See adv index at end of book
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Windeler Geo. Co., 8th & Hooper, San Francisco, Cal.

14751— Tanks (Cylindrical)

Abendroth & Root Mfg. Co., Newburgh, N. Y. *See adv index at end of book*
ACME TANK COMPANY (Wood), 42 Cortlandt, New York
See adv index at end of book
Atkinson W. H. Co., Hoboken, N. J.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
Beckley Perforating Co., Garwood, N. J.
BEGGS, JAMES & CO., 30 Warren, New New York. *See adv index at end of book*
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Blaw-Knox Co., Farmers' Bank bldg, Pittsburg, Pa.
Bovaird & Seyfang Mfg. Co., Bradford, Pa.
Bowser S. F. & Co., Fort Wayne, Ind.
Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Caldwell W. E. Co., Louisville, Ky.
Case W. A. & Sons Mfg. Co., Buffalo, N. Y.
Charleston Iron Works, Charleston, S. C.
CHICAGO BRIDGE & IRON WORKS, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Coast Culvert & Flume Co., Col. blvd & Derby, Portland, Ore.
Codd E. J. Co., 700 S Carolina, Baltimore, Md.
Cole R. D. Mfg. Co., Newman, Ga.
Columbiana Boiler Co., Columbiana, O.
Connery & Co. Inc., 4000 N 2nd, Phila., Pa.
See adv index at end of book
Corcoran A. J., Inc., 745 Jersey av, Jersey City, N. J. *See adv index at end of book*
DOVER BOILER WORKS, Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Dundon Iron Works, 225 Folsom, San Francisco, Cal.
Drake-Williams-Mount Co., Omaha, Neb.
EAGLE TANK CO., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Fleming Mfg. Co., 411 Neal, New Castle, Pa.
Gerdes & Co., 42 Church, New York
See adv index at end of book
Graver Corp., 4020 Todd av, E Chicago, Ind *See adv index at end of book*
Gunning Boiler & Machine Co., New Bedford, Mass.
Hammond Iron Works, Warren, Pa.
See adv index at end of book
Hartley Boiler Works, Montgomery, Ala.
Hassell Iron Works Co., Colorado Springs, Colo.
Hauser Stander Tank Co. (Wood), Ammen & B. & O. Ry., Cincinnati, Ohio
See adv index at end of book
Heggie James G. & Sons, Joliet, Ill.
Heltzel Steel Form & Iron Co. (The), Warren, O.
See adv index at end of book
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Johnson & Carlson, 864 Eastman, Chicago
Johnson & Thompson, Birmingham, Ala.
Keystone Tank & Boiler Works, Butler, Pa.
Kittoe Boiler & Tank Co. (Inc.), Canton, Ohio
Kraft A. C., 159 W Lake, Chicago, Ill.
Lacy Mfg. Co., 601 Washington bldg, Los Angeles, Cal.
Lake Erie Boiler Works, 419 Gates av, Buffalo, N. Y.
Leader Iron Works, 2100 N Jasper, Decatur, Ill.
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
Leetonia Boiler Co., Leetonia, O.
Lindsay W. W. & Co., Inc., Harrison bldg, Phila., Pa.
Lookout Boiler Mfg. Co., Chattanooga, Tenn.
McNamara Bros. Co., Westport, Baltimore, Md.
Mader Bros. & Co., Lebanon, Pa.
Main Iron Works, 16th & Daggett, San Francisco, Cal.
Manitowoc Engineering Works, Manitowoc, Wis.
Meurer Steel Barrel Co., Inc. ("Anchor" Welded Seamless), 23 W 43d, New York
Murray Iron Works Co., Burlington, Iowa
Muskegon Boiler Works, Muskegon, Mich.
Nashville Bridge Co., Nashville, Tenn.
National Tank & Pipe Co. ("National Quality"), 170 Columbia blvd, Portland, Ore. *See adv index at end of book*
New Haven Boiler Works Inc., New Haven, Conn.
New York Central Iron Wks. Co. Inc., Hagerstown, Md.
Novelty Steam Boiler Works, 917 S Howard, Baltimore, Md.
Pacific Tank & Pipe Co., 318 Market, San Francisco, Cal.
PENNSYLVANIA FURNACE & IRON CO., 373 Pine, Warren, Pa.
See adv index at end of book
Phoenix Iron Works Co., Meadville, Pa.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Racine Boiler & Tank Co., 1523 Sixteenth, Racine, Wis.
Rodgers Boiler & Burner Co., Muskegon, Mich.
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
Sharpsville Boiler Works, Sharpsville, Pa.
Skelton Joseph L. Engineering Co., Front, Toledo, Ohio
Springfield Boiler Co., Springfield, Ill.
STANDARD BOILER & PLATE IRON CO., Niles, Ohio
See adv index at end of book
Standard Tank Car Co., Sharon, Pa.
Star Tank Co., Goshen, Ind.
Steel Plate Products Co., Pottstown, Pa.
Steel Tank & Pipe Co., Corbin Station, Berkeley, Cal.
Steel Tank & Products Corp., 26 N Jefferson, Chicago, Ill.
Struthers-Wells Co., Warren, Pa.
Tippett & Wood, Phillipsburg, N. J.
Traylor Engng. & Mfg. Co., Allentown, Pa.

(Continued on following page)

Tanks (Cylindrical)—Cont.

Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill
Turl Iron & Car Co. (Inc.), The, 50 Broad, New York. Works: **Newburgh, N. Y.**
Union Boiler & Mfg. Co., Dept. H, Lebanon, Pa.
United Iron Works, Inc., Kansas City, Mo.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
WARREN CITY TANK & BOILER CO. (THE), Warren, Ohio
See adv index at end of book
Welded Products Co., 2700H 7th av, Birmingham, Ala.
Wendnagel & Co., 620 W 22nd, Chicago, Ill.
Western Drop Forge Co., P. O. Box 336, Marion, Ind.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Woolford G. Wood Tank Mfg. Co., 72nd & Woodland, Phila., Pa.
See adv index at end of book
Youngstown Boiler & Tank Co., 1054 Mahoning av, Youngstown, Ohio
Zelnicker Walter Supply Co. (Dealer), 325 Locust, St. Louis, Mo.

14751a— Tanks (Cypress)

See also Tanks, Wood

Acme Tank Co., 43 Cortlandt, New York
See adv index at end of book
Butler Co., Butler, Ind.
Caldwell W. E. Co. ("Caldwell"), 1990 Brook, Louisville, Ky.
Davis G. M. & Son, Palatka, Fla.
Eagle Tank Co., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Hauser Stander Tank Co., Ammen & B. & O. Ry., Cincinnati, Ohio
See adv index at end of book
Heller-Aller Co., Napoleon, Ohio
Knight Maurice A., Kelly av, East Akron, Ohio
Stevens Tank & Tower Co., Auburn, Me.
Wendnagel & Co., 620 W 22nd, Chicago,
Woods & Co., 59 Park pl, New York
WOOLFORD G. WOODTANK MFG. CO., 72nd & Woodland, Phila., Pa.
See adv index at end of book

14751b— Tanks (Developing)

Acme Tank Co., 43 Cortlandt, New York
See adv index at end of book
CORCORAN A. J. INC., (For Photographing purposes), 745 Jersey av, Jersey City, N. J. *See adv index at end of book*
Eagle Tank Co., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Hauser Stander Tank Co., Ammen & B. & O. Ry., Cincinnati, Ohio
See adv index at end of book
National Tank & Pipe Co. ("National Quality"), 170 Columbia blvd, Portland, Ore. *See adv index at end of book*
Pacific Tank & Pipe Co., 318 Market, San Francisco, Cal.
Structural Stone Co., Hubbard, Ohio

14752— Tanks (Dipping)

Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
Barker Bros., Inc., 6 Leo pl, Brooklyn, N. Y.
See adv index at end of book
Beckman Bros., Des Moines, Ia.
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Blanke W. F. Can & Mfg. Co., 116 Pine St. Louis, Mo.
Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Caldwell W. E. Co., Louisville, Ky.
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Columbian Steel Tank Co. (Hog, Sheep, Cattle, etc.), New England bldg, Kansas City, Mo.
Columbiana Boiler Co., Columbiana, O.
Connery & Co. Inc., 4000 N 2nd, Phila., Pa.
See adv index at end of book
Dover Boiler Works, Sales Office: 40 Church, New York. Works: **Dover, N. J.** *See adv index at end of book*
Eagle Tank Co., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
Fleming Mfg. Co., 411 Neal, New Castle, Pa.
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Gunning Boiler & Machine Co., New Bedford, Mass.
Hastings Equity Grain Bin Mfg. Co., Hastings, Neb.
Heggie James G. & Sons Inc., Joliet, Ill.
Heltzel Steel Form & Iron Co. (The), Warren, Ohio
See adv index at end of book
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Hubbard's Norman Sons (Safety for Furniture & Piano Makers' Metal Goods, Electric Fixtures, etc), 603 Dean, **Brooklyn, N. Y.**
Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cincinnati, Ohio
Kittoe Boiler & Tank Co. (Inc.), Canton, Ohio
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Kraft A. C., 159 W Lake, Chicago, Ill.
Lacy Mfg. Co., 601 Washington bldg, Los Angeles, Cal.
Lancaster Iron Works, Lancaster, Pa.
Leader Iron Works, 2100 N Jasper, Decatur, Ill.
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
McNamara Bros. Co., Westport, Baltimore, Md.
Mader Bros. & Co., Lebanon, Pa.
Main Iron Works, 16th & Daggett, San Francisco, Cal.
Manitowoc Engineering Works, Manitowoc, Wis.
Martin Metal Mfg. Co., Wichita, Kansas
National Tank & Pipe Co. ("National Quality"), 170 Columbia blvd, Portland, Ore. *See adv index at end of book*
Nebraska & Iowa Steel Tank Co. (Galvanized Steel), Omaha, Neb.
New England Tank & Tower Co., 43 Main, Everett, Mass.
New Haven Boiler Works Inc., New Haven, Conn.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
Novelty Steam Boiler Works, 917 S Howard, Baltimore, Md.
Penna Furnace & Iron Co., 373 Pine, Warren, Pa.
See adv index at end of book
Perfection Metal Products Co., Topeka, Kan.
Petroleum Iron Works Co. of Ohio, Sharon, Pa.
See adv index at end of book
Phoenix Iron Works Co., Meadville, Pa.
Reeves Bros. Co. (The), Alliance, O.
See adv index at end of book
Ruemmell-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
Scaife Wm. B. & Sons Co., 1st Nat. Bk. bldg, Pittsburgh, Pa.
See adv index at end of book
Sharpsville Boiler Works, Sharpsville, Pa.
Skelton Joseph L. Engineering Co., Front, Toledo, Ohio
South Bend Spark Arrester Co., South Bend, Ind.
Spokane Culvert & Tank Co., Spokane, Wash.
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Star Tank Co., Goshen, Ind.
Steel Plate Products Co., Pottstown, Pa.
Struthers-Wells Co., Warren, Pa.
Treadwell Construction Co., Midland, Pa.
Union Boiler & Mfg. Co., Dept. H, Lebanon, Pa.
Warren City Tank & Boiler Co. (The), Warren, Ohio
See adv index at end of book
Welded Steel Barrel Corp., Hart av & Charlevoix, Detroit, Mich.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

14753—Tanks (Electro Platers')

ACME TANK COMPANY (Wood), 43 Cortlandt, New York
See adv index at end of book
Barker Bros., Inc., 6 Leo pl, Brooklyn, N. Y.
See adv index at end of book

Tanks



Wood, Steel, Stoneware,

Enameled Lined Crocks, etc.

Barker Brand

Barker Bros., Inc.
6 Leo Pl., Brooklyn, N. Y.

CORCORAN A. J. INC., 745 Jersey av, Jersey City, N. J.
See adv index at end of book
Cutter & Wood Supply Co. (Jobbers), 374 Friend, Boston, Mass.
EAGLE TANK CO., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
General Ceramics Co. (Stoneware), 50 Church, New York
National Tank & Pipe Co. ("National Quality"), 170 Columbia blvd, Portland, Ore. *See adv index at end of book*
Sperry D. R. & Co., Batavia, Ill.
Steel Plate Products Co., Pottstown, Pa.
Welded Steel Barrel Corp. (Welded Steel), Hart av & Charlevoix, Detroit, Mich.

14753a—*Tanks (Enameled Storage)

Barker Bros., Inc., 6 Leo pl, Brooklyn, N. Y.
See adv index at end of book
Elyria Enameled Products Co., Elyria, O.
Vitreous Enameling Corporation, 6300 Grant av, Cleveland, Ohio
See adv index at end of book

14754— Tanks (Evaporator)

Baeuerle & Morris, 933 N Front, Phila., Pa.
Bethlehem Foundry & Machine Co., 8 Bethlehem, Pa.
Biggs Boiler Works Co., Case av & Williams, Akron, O.
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Connery & Co., Inc., 4000 N. 2nd, Phila., Pa. *See adv index at end of book*
Eagle Tank Co., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Fleming Mfg. Co., 411 Neal, New Castle, Pa.
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Hammond Iron Works, Warren, Pa.
See adv index at end of book
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
Leader Iron Works, 2100 N Jasper, Decatur, Ill.
New Haven Boiler Works, Inc., New Haven, Conn.
Phoenix Iron Works, Meadville, Pa.
Steel Plate Products Co., Pottstown, Pa.
Struthers-Wells Co., Warren, Pa.
Taylor Engng. & Mfg. Co., Allentown, Pa.
Union Tank & Pipe Co., 2301 Santa Fe av, Los Angeles, Cal.

14755— Tanks (Expansion)

BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Case W. A. & Sons Mfg. Co., Buffalo, N. Y.
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Cody Jos. & Sons, Peoria, Ill.
Columbiana Boiler Co., Columbiana, O.
Connery & Co., Inc., 4000 N. 2nd, Phila., Pa. *See adv index at end of book*
Cox & Sons Co., 5th & Chestnut, Phila., Pa.
Cullen Co., Clinton, Ia.
Devine J. P. Co., Buffalo, N. Y.
Dover Boiler Works, Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Drake-Williams-Mount Co., Omaha, Neb
Dundon Iron Works, 225 Folsom, San Francisco, Cal.
Eastern Range Boiler & Welding Co. (Riveteless), Conshohocken, Pa.
Farrar & Trefts, Inc., Buffalo, N. Y.
Fleming Mfg. Co., 411 Neal, New Castle, Pa.
Frost Mfg. Co., Galesburg, Ill.
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Heggie James G. & Sons Inc., Joliet, Ill.
Heltzel Steel Form & Iron Co. (The), Warren, O.
See adv index at end of book
Hibbs E. A., Bread & Quarry, Phila., Pa.
Hopson & Chapin Mfg. Co. (Cast Iron Automatic Feed), New London, Conn.
Horton Steel Wks., Ltd., 118 Janet, Bridgeburg, Ont., Can.
KOVEN L. O. & BRO, INC., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Lawler Regulator Co. ("Lawler's" Automatic), 1453 N Railroad av, New York
Leader Iron Works, 2100 N Jasper, Decatur, Ill.
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
McNamara Bros. Co., Westport, Baltimore, Md.
Main Iron Works, 16th & Daggett, San Francisco, Cal.
Manitowoc Engineering Works, Manitowoc, Wis.
Missouri Boiler & Sheet Iron Works, 22d & Papin, St. Louis, Mo.
Mott J. L. Iron Works, Trenton, N. J.
Murray Iron Works Co., Burlington, Ia.
New Haven Boiler Works, Inc., New Haven, Conn.
New York Central Iron Wks. Co. Inc., Hagerstown, Md.
Page Wm. H. Boiler Co., 58 W 40th, New York
Pennsylvania Furnace & Iron Co., 373 Pine, Warren, Pa.
See adv index at end of book
Penna. Range Boiler Co., 2024 N 10th, Phila., Pa.
Pressed Steel Tank Co., 53th & Greenfield av, Milwaukee, Wis.

REEVES BROS. CO. (THE), Alliance, O.
See adv index at end of book
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
Skelton Joseph L. Engineering Co., Front, Toledo, Ohio
Springfield Boiler Co., Springfield, Ill.
Steel Plate Products Co., Pottstown, Pa.
Struthers-Wells Co., Warren, Pa.
Thompson Iron Works, 1825 Callowhill, Phila., Pa.
Trageser John Steam Copper Works, 477 W 26th, New York
Treadwell Construction Co., Midland, Pa.
Tudor Boiler Mfg. Co., 715 3d, Cincinnati, O.
Union Boiler & Mfg. Co., Dept. H, Lebanon, Pa.
Walker & Pratt Mfg. Co. (Galvanized Steel), 31 Union, Boston, Mass.
Walsh & Weidner Boiler Co., W Main & Ash, Chattanooga, Tenn.
WARREN CITY TANK & BOILER CO. (THE), Warren, Ohio
See adv index at end of book
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Wolff Mfg. Co., 255 N Hayne av, Chicago, Ill.
Wood John Mfg. Co. (Electric Welded Seamless), Conshohocken, Pa.

14756— Tanks (Faucet)

Chapin R. E. Mfg. Works (Galvanized), Batavia, N. Y.
Columbian Steel Tank Co. (Galvanized Steel), New England bldg., Kansas City, Mo.
Meurer Steel Barrel Co., Inc. ("Anchor" Welded Seamless), 23 W 43rd, New York
Nebraska & Iowa Steel Tank Co. (Galvanized Steel), Omaha, Neb.
Pacific Stove & Stamping Co., Idaho & Duwanish av, Seattle, Wash.
Pennsylvania Furnace & Iron Co., 373 Pine, Warren, Pa.
See adv index at end of book
Rochester Can Co. ("Iron Horse" Galvanized), 39 Hague, Rochester, N. Y.
Sexton Can Co., 123 Broad, Boston, Mass.

14757— Tanks (Filter)

Abendroth & Root Mfg. Co., Newburgh, N. Y. *See adv index at end of book*
ACME TANK COMPANY (Wood), 43 Cortlandt, New York
See adv index at end of book
Am. Water Softener Co., 4th & Lehigh av, Phila., Pa.
Baltimore Cooperage Co. (Wooden), Ostend & Leadenhall, Baltimore, Md.
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Bowser S. F. & Co., Ft. Wayne, Ind.
Brennan Jno. & Co. ("Detroit" Steel), Dept. H, 24th & M. C. R. R., Detroit, Mich.
Caldwell W. E. Co., Louisville, Ky.
California Boiler Works, 526 Howard, San Francisco, Cal.
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Coatesville Boiler Works (Steel), 111 S 15th, Philadelphia, Pa.
Columbia Steel Tank Co., 1625 W 12th, Kansas City, Mo.
Columbiana Boiler Co., Columbiana, O.
Connery & Co., Inc., 4000 N. 2nd, Phila., Pa. *See adv index at end of book*
Corcoran A. J., Inc., 745 Jersey av, Jersey City, N. J. *See adv index at end of book*
Cox & Sons Co., 5th & Chestnut, Phila., Pa.
DOVER BOILER WORKS, Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Drake-Williams-Mount Co., Omaha, Neb.
Dundon Iron Works, 225 Folsom, San Francisco, Cal.
Fleming Mfg. Co., 411 Neal, New Castle, Pa.
Frick Co., Waynesboro, Pa.
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Hammond Iron Works, Warren, Pa.
See adv index at end of book
Hauser Stander Tank Co. (Wood), Ammen & B. & O. Ry., Cincinnati, Ohio
See adv index at end of book
Heltzel Steel Form & Iron Co. (The), Warren, O.
See adv index at end of book
Horton Steel Wks., Ltd., 118 Janet, Bridgeburg, Ont., Can.
Johnson & Carlson, 864 Eastman, Chicago
Kittoe Boiler & Tank Co., Inc, Canton, O.
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Lacy Mfg. Co., 601 Washington bldg, Los Angeles, Cal.
Lancaster Iron Works, Lancaster, Pa.
Lappan Jas. Mfg. Co., 20th & Pike, Pittsburgh, Pa.
Leader Iron Works, 2100 N Jasper, Decatur, Ill.
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
Littleford Bros., 444 E Pearl, Cincinnati, Ohio *See adv index at end of book*
Lookout Boiler Mfg. Co., Chattanooga, Tenn.
McDermott Bros. Co., Allentown, Pa.
McNamara Bros. Co., Westport, Baltimore, Md.
McNeil Boiler Co., 96 Crozier, Akron, O.
Mader Bros. & Co., Lebanon, Pa.
Manitowoc Engineering Works, Manitowoc, Wis.
Missouri Boiler & Sheet Iron Works, 23d & Papin, St. Louis, Mo.
National Tank & Pipe Co. ("National Quality"), 170 Columbia blvd, Portland, Ore.
See adv index at end of book
New Haven Boiler Works, Inc., New Haven, Conn.
New York Central Iron Wks. Co., Inc., Dept. H, Hagerstown, Md.
Novelty Steam Boiler Works, 917 S. Howard, Baltimore, Md.
Penna. Furnace & Iron Co., 373 Pine, Warren, Pa.
See adv index at end of book
Petroleum Iron Works Co. of Ohio, Sharon, Pa.
See adv index at end of book
Phoenix Iron Works Co., Meadville, Pa.
Quaker City Iron Works, Tioga & Richmond, Phila., Pa.
Racine Boiler & Tank Co., 1523 Sixteenth, Racine, Wis.
Reeves Bros. Co. (The), Alliance, O.
See adv index at end of book
Richmond Water Softener Co., Richmond, Ind.
Ruemmeli-Dawley Mfg. Co., 3900 Chonteau av, St. Louis, Mo.
Sharpsville Boiler Works, Sharpsville, Pa.
Sotter Bros., Pottstown, Pa.
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Standard Tank Car Co., Sharon, Pa.
Steel Plate Products Co., Pottstown, Pa.
Steel Tank & Products Corp., 26 N Jefferson, Chicago, Ill.
Struther-Wells Co., Warren, Pa.
Tippett & Wood, Phillipsburg, N. J.
Topeka Steam Boiler Works, Topeka, Kans.
Treadwell Construction Co., Midland, Pa.
Tudor Boiler Mfg. Co., 715 E 3d, Cincinnati, O.
Turl Iron & Car Co., Inc., The, 50 Broad, New York. Works: Newburgh, N. Y.
Union Tank & Pipe Co., 2801 Santa Fe av, Los Angeles, Cal.
United Iron Works, Inc., Kansas City, Mo.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Warren City Tank & Boiler Co. (The), Warren, Ohio
See adv index at end of book
WENDNAGEL & CO., 620 W 22nd, Chicago, Ill.
West Coast Iron & Steel Works, Inc., 485 N 28th, Portland, Ore.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Woolford G. Wood Tank Mfg. Co., 72nd & Woodland, Phila, Pa.
See adv index at end of book

14758—Tanks (Fire Extinguisher)

ACME TANK COMPANY (Wood), 43 Cortlandt, New York
See adv index at end of book
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Castle Jas. M. Inc., 1224 Arch, Phila., Pa.
Chicago Bridge & Iron Works (Fire Extinguisher System), 2105 Transportation bldg, Chicago, Ill.
See adv index at end of book
Columbiana Boiler Co., Columbiana, O.
Foamite-Childs Corporation, 101 Turner, Utica, N. Y.
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Hartley Boiler Works, Montgomery, Ala.
Johnson & Carlson, 864 Eastman, Chicago
Lacy Mfg. Co., 601 Washington, Los Angeles, Cal.
Leader Iron Works, 2100 N Jasper, Decatur, Ill.
McNamara Bros. Co., Westport, Baltimore, Md.
National Tank & Pipe Co. ("National Quality"), 170 Columbia blvd, Portland, Ore.
See adv index at end of book
New England Tank & Tower Co., 42 Main, Everett, Mass.
New York Central Iron Wks. Co., Inc., Dept. H, Hagerstown, Md.
Novelty Steam Boiler Works, 917 S. Howard, Baltimore, Md.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
PRESSED STEEL TANK CO. (Pressed Steel), 58th & Greenfield av, West Allis, Milwaukee, Wis.
See adv index at end of book
Reeves Bros. Co. (The), Alliance, O.
See adv index at end of book
Rex-Harris Fire Appliance Co., 310 W 39th, New York
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
Steel Tank & Products Corp., 26 N Jefferson, Chicago, Ill.
Treadwell Constr. Co., Midland, Pa.

14759— Tanks (Fire Pail)

Castle, Jas. M., Inc., 1224 Arch, Phila., Pa.
Mar-Sla Mfg. Co., Hubbard, O.
Rochester Can Co. ("Iron Horse" Galvanized), 39 Hague, Rochester, N. Y.
Rowe A. C. & Son, 78 Reade, New York
Safety Fire Extinguisher Co. (Safety Fire Bucket Tanks), 295 7th av, New York
Steel Plate Products Co., Pottstown, Pa.
Union Boiler & Mfg. Co., Dept. H, Lebanon, Pa.
Wheeling Corrugating Co. ("Corco"), Wheeling, W. Va.

14760— Tanks (Flush)

Aten Sewage Disposal Co. (3 Automatic Siphon for Flushing Sewers), 286 5th av, New York
Excel Mfg. Co. (Syphons for Sewage & Water), Pottersville, N. J.
McNamara Bros. Co., Westport, Baltimore, Md.
New Haven Boiler Works, Inc. New Haven, Conn.
Pacific Flush Tank Co. ("Miller" Automatic Siphon for Flushing Sewers), 4241 Ravenswood av, Chicago, Ill.
Pennsylvania Furnace & Iron Co., 373 Pine, Warren, Pa. *See adv index at end of book*
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
Stary Frank & Sons (Automatic Syphons), Cedar Rapids, Ia.
Structural Stone Co., Hubbard, Ohio
Union Metal Works, Chelsea, Mass.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Wise J. B., Inc., Watertown, N. Y.

14761— Tanks (Fuel Oil)

Abendroth & Root Mfg. Co., Newburgh, N. Y. *See adv index at end of book*
Advance-Rumely Co. ("Rumely"), La Porte, Ind.
Atkinson W. H. Co., Hoboken, N. J.
Baker Edw. J. & Co., 603 Otis bldg, Chicago, Ill.
Bakersfield Iron Works, 24th & M, Bakersfield, Cal.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Blaw-Knox Co., Freeport rd, Hoboken, Pa.
Buckeye Boiler Co., Dayton, O.
Butler Mfg. Co., 1228 Eastern av, Kansas City, Mo.
Caldwell W. E. Co., Louisville, Ky.
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Coast Culvert & Flume Co., Col. blvd & Derbey, Portland, Ore.
Coatesville Boiler Works (Steel), 111 S 15th, Philadelphia, Pa.
Codd E. J. Co., 700 S Carolina, Baltimore, Md.
Columbiana Boiler Co., Columbiana, O.
Connery & Co., Inc., 4000 N. 2nd, Phila., Pa. *See adv index at end of book*
Cox & Sons Co., 5th & Chestnut, Phila., Pa.
DOVER BOILER WORKS, Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Dundon Iron Works, 225 Folsom, San Francisco, Cal.
FARRELL MFG. CO., Joliet, Ill.
See adv index at end of book
Fleming Mfg. Co., 411 Neal, New Castle, Pa.
Freeman Mfg. Co., Racine, Wis.
See adv index at end of book
Gerdes & Co., 42 Church, New York
See adv index at end of book
GEUDER, PAESCHKE & FREY CO. (& Water), 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.
GRAVER CORP., 4020 Todd av, E Chicago, Ill. *See adv index at end of book*
Gunning Boiler & Machine Co., New Bedford, Mass.
Hammond Iron Works (Storage), Warren, Pa. *See adv index at end of book*
Hartley Boiler Works, Montgomery, Ala.
Heggie James G. & Sons Inc., Joliet, Ill.

(Continued on following page)

Tanks (Fuel Oil)—Continued

Heltzel Steel Form & Iron Co. (The), Warren, O.
See adv index at end of book
Home Industry Iron Works, 206 N Water, Mobile, Ala.
Horton Steel Wks., Ltd., 118 Janet, Bridgeburg, Ont., Can.
Iron & Steel Contracting Co., 215 San Bruno av, San Francisco, Cal.
Johnson & Thompson, Birmingham, Ala.
Kelker Blower Co., Inc., 2383 Fillmore av, Buffalo, N. Y.
See adv index at end of book
Keystone Tank & Boiler Works, Butler, Pa.
Kittoe Boiler & Tank Co. (Inc.), Canton, O.
KOVEN L. O. & BRO. INC., 154 Ogden av, Jersey City, N. Y.
See adv index at end of book
Kraft A. C., 323 W Lake, Chicago, Ill.
Lacy Mfg. Co., 601 Washington bldg, Los Angeles, Cal.
Lancaster Iron Works, Lancaster, Pa.
Lappan Jas Mfg. Co., 20th & Pike, Pittsburgh, Pa.
Leader Iron Works, 2100 N Jasper, Decatur, Ill.
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
Lindsay W. W. & Co., Inc., Harrison bldg, Phila., Pa.
Littleford Bros., 444 E Pearl, Cincinnati, O. *See adv index at end of book*
Lookout Boiler Mfg. Co., Chattanooga, Tenn.
McAleenan Bros. Co., 25th & A. V. R. R., Pittsburgh, Pa.
McDermott Bros. Co., Allentown, Pa.
McNamara Bros. Co., Westport, Baltimore, Md.
McNeil Boiler Co., 96 Crozier, Akron, O.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Mader Bros. & Co., Lebanon, Pa.
Main Iron Works, 16th & Daggett, San Francisco, Cal.
Manitowoc Engineering Works, Manitowoc, Wis.
Martin Metal Mfg. Co., Wichita, Kans.
Mertz John Mfg. Co., Sandusky, O.
Mobile Steel Co., Mobile, Ala.
Moynihan T. J. Co., 401 Folsom, San Francisco, Cal.
NATIONAL TANK & PIPE CO. ("National Quality"), 170 Columbia blvd, Portland, Ore.
See adv index at end of book
New Haven Boiler Works Inc., New Haven, Conn.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
NOVELTY STEAM BOILER WORKS, 917 S Howard, Baltimore, Md.
Ohio Machine & Boiler Co., 1510H University rd, Cleveland, O.
Pennsylvania Furnace & Iron Co., 373 Pine, Warren, Pa.
See adv index at end of book
Perfection Metal Products Co., Topeka, Kan.
Petroleum Iron Works Co. of Ohio, Sharon, Pa.
See adv index at end of book
Phoenix Iron Wks. Co., Meadville, Pa.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Quaker City Iron Works, Tioga & Richmond, Phila., Pa.
RACINE BOILER & TANK CO. (For Apartments & Residences), 1523 Sixteenth, Racine, Wis.
REEVES BROS. CO. THE, Alliance, O.
See adv index at end of book
Robinson, A. F., Boiler Works, 2nd & Binney, E Cambridge, Mass.
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
Sharpsville Boiler Works, Sharpsville, Pa.
Skelton Joseph L. Engineering Co., Front, Toledo, O.
Southern Boiler Works, Belleville, Ill.
Spokane Culvert & Tank Co., Spokane, Wash.
STANDARD BOILER & PLATE IRON CO., Niles, O.
See adv index at end of book
Standard Tank Car Co., Sharon, Pa.
Star Tank Co. (Gal'd), Goshen, Ind.
Steel Plate Products Co., Pottstown, Pa.
Steel Tank & Pipe Co., Corbin Station, Berkeley, Cal.
Steel Tank & Products Corp., 26 N Jefferson, Chicago, Ill.
Struthers-Wells Co., Warren, Pa.
Tippett & Wood, Phillipsburg, N. J.
Toledo Metal Manufactures Co. (The), 983-1015 Front, Toledo, Ohio
See adv index at end of book
Topeka Steam Boiler Works, Topeka, Kans.
Traylor Engng. & Mfg. Co., Allentown, Pa.
Treadwell Constr. Co., Midland, Pa.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
Union Boiler & Mfg. Co., Dept. H, Lebanon, Pa.
Union Iron Works, Hoboken, N. J.
Union Tank & Pipe Co., 2801 Santa Fe av, Los Angeles, Cal.
United Iron Works, Inc., Kansas City, Mo.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
WARREN CITY TANK & BOILER CO. (THE), Warren, Ohio
See adv index at end of book
Welded Products Co., 2700H 7th av, Birmingham, Ala.
West Coast Iron & Steel Works Inc., 485 N 28th, Portland, Ore.
Western Drop Forge Co., P. O. Box 386, Marion, Ind.
Western Engineering Corp., Spokane & E Marginal way, Seattle, Wash.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Western Steel Products Co. (All Kinds), New Duluth, Minn.
Youngstown Boiler & Tank Co., 1054 Mahoning av, Youngstown, O.
Zelnicker Walter Supply Co. (Dealer), 325 Locust, St. Louis, Mo.

14762—Tanks (Galvanized Steel)

Abendroth & Root Mfg. Co., Newburgh, N. Y. *See adv index at end of book*
Aermotor Co., 2500 W 12th, Chicago, Ill.
Alamo Iron Works, San Antonio, Tex.
AMERICAN CAN CO., 120 Broadway, New York *See adv index at end of book*
Appleton Mfg. Co., Batavia, Ill.
Badger Steel Roofing Corrugating Co., La Crosse, Wis.
Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
Bakersfield Sheet Metal Wks., 1807 L, Bakersfield, Cal.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
Barnes & Nuss Co., Frand Forks, N. D.
Beckley Perforating Co., Garwood, N. J.
Beckman Bros., Des Moines, Ia.
Bloom Max & Co., 1147H Mission, San Francisco, Cal.
Bowser S. F. & Co., Fort Wayne, Ind.
Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Buch's A. Sons Co., Elizabethtown, Pa.
Butler Co., Butler, Ind.
Butler Mfg. Co., 1228 Eastern av, Kansas City, Mo.
Caldwell W. E. Co., Louisville, Ky.
California Corrugated Culvert Co. ("Calco"), Berkeley & Los Angeles, Cal.
Case W. A. & Sons Mfg. Co., Buffalo, N. Y.
Celina Mfg. Co., Celina, O.
Challenge Co., Batavia, Ill.
Chicago Steel Tank Co., Cicero, Ill.
Clark W. J. Co., Salem, O.
Clippinger A. B. & Son Mfg. Co., Kansas City, Kans.
Coast Culvert & Flume Co., Col. blvd & Derbey, Portland, Ore.
Columbian Steel Tank Co., 1625 W 12th, Kansas City, Mo.
Columbiana Boiler Co., Columbiana, O.
Connecticut Blower Co., Inc., 133 Sheldon, Hartford, Conn.
Connery & Co. Inc., 4000 N 2nd, Phila., Pa. *See adv index at end of book*
Consolidated Pipe Co., Union & Truxton av, Bakersfield, Cal.
Consolidated Sheet Metal Wks., 661 Hubbard, Milwaukee, Wis.
Crawfordsville Wire & Nail Co., Crawfordsville, Ind.
Dempster Mill Mfg. Co., Beatrice, Neb.
Detroit Range Boiler & Steel Barrel Co., 2475 24th, Detroit, Mich.
Dinsmore Wm. & Co. (Coiled Tanks for Ice Water), 912 Post, Seattle, Wash.
Duplex Mfg. Co., Superior, Wis.
ECONOMY HEATER CO., 110 S La Salle, Chicago, Ill. *See adv index at end of book*
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
Erskine & Jessen, 706 Date, Los Angeles, Cal.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Ferguson Mfg. Co., Dubuque, Ia.
Finn Bros. Pipe & Steel Works, 1308 N Spring, Los Angeles, Cal.
Flint & Walling Mfg. Co. ("Hoosier"), Kendallville, Ind.
Freeland B. F. Sons Co., Sturgis, Mich.
Fresno Sheet Metal & Roofing Co., Fresno, Cal.
G. & D. Mfg. Co., Streator, Ill.
Gedge Bros. Iron Roofing Co., Anderson, Ind.
Gehl Bros. Mfg. Co., West Bend, Wis.
GEUDER, PAESCHKE & FREY CO., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Glor Bros. & Willis Mfg. Co., Attica, N. Y.
Graver Corp., East Chicago, Ind.
Greenville Mfg. Co., Greenville, O.
Harry Bros. Co. ("Harry's," Corrugated & "K-D" Galvanized Iron), Carr & I. C. R. R., New Orleans, La.
Harry O. K. Steel Co., 2333-35 Papin, St. Louis, Mo.
Harry O. K. Steel Works (Corrugated Stock, Storage, Railroads, Grain, Wagon, etc), Dallas, Texas
Hawkeye Pump Co., Fairfield, Ia.
Heller-Aller Co., Napoleon, O.
Holbrook J. F. Co., 302 N San Pedro, Los Angeles, Cal.
Hudson Mfg. Co., 324 3d av N, Minneapolis, Minn.
Hunt & Dorman Mfg. Co. (Iron Storage), 1600 E 24th, Cleveland, O.
Iowa Wind Mill & Pump Co., Cedar Rapids, Ia.
Kalamazoo Tank & Silo Co., Kalamazoo, Mich.
Kewanee Boiler Co., Kewanee, Ill.
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Kraft A. C., 159 W Lake, Chicago, Ill.
Kunkel Mfg. Co., 781 S San Pedro, Los Angeles, Cal.
Lacy Mfg. Co., 601 Washington bldg, Los Angeles, Cal.
Lansing Silo Co., Lansing, Mich.
Leader Iron Works, 2100 N Jasper, Decatur, Ill.
Littleford Bros. (& Iron), 444 E Pearl, Cincinnati, O.
See adv index at end of book
McDermott Bros. Co., Allentown, Pa.
McLaughlin Sheet Metal Works, Sacramento, Cal.
McNamara Bros. Co., Westport, Baltimore, Md.
Main Iron Works, 16th & Daggett, San Francisco, Cal.
Marshall Blow Pipe Co., 7431 Dubois, Detroit, Mich.
Martin Metal Mfg. Co., Wichita, Kans.
Messenger & Parks Mfg. Co. (Storage, Watering, etc), Aurora, Ill.
Metal Products Corp., 49 Chestnut, Weehawken, N. J.
Meurer Steel Barrel Co., Inc. (Welded Seamless), 23 W 43rd, New York
Miller & Hoy Mfg. Co., Kendallville, Ind.
Missouri Boiler & Sheet Iron Works, 23d & Papin, St. Louis, Mo.
Mobile Steel Co., Mobile, Ala.
Morrison Bros., Dubuque, Ia.
Muenzenmayer J. J. & W. F. (Iron Stock), Junction City, Kan.
National Tank & Mfg. Co., 11th & Santa Fe av, Los Angeles, Cal.
Nebraska & Iowa Steel Tank Co., Omaha, Neb.
New England Sheet Metal Works, 311 B'way, Fresno, Cal.
New Orleans Roofing & Metal Co. ("Nola"), Cortez & Orleans, New Orleans, La.
New York Central Iron Wks. Co., Inc., Hagerstown, Md.
Niles Steel Tank Co., Niles, Mich.
North Dakota Metal Culvert Co., Fargo, N. D.
Northfield Iron Co., Northfield, Minn.
Oakes & Burger Co., Cattaraugus, N. Y.
Ohio Galvanizing & Mfg. Co. (Steel), Niles, Ohio
Pacific Stove & Stamping Co., Idaho & Duwanish av, Seattle, Wash.
Pennsylvania Furnace & Iron Co., 373 Pine, Warren, Pa.
See adv index at end of book
Penna. Furnace & Stove Co., Warren, Pa.
Perfection Metal Products Co., Topeka, Kans.
Perkins Corp., Mishawaka, Ind.
Phelps & Bigelow Wind Mill Co., Kalamazoo, Mich.
Phillips & Buttorff Mfg. Co. (Iron), Nashville, Tenn.
Pidgeon-Thomas Iron Co., Memphis, Tenn.
Pioneer Mfg. Co., Middlebury, Ind.
Quaker City Iron Works, Tioga & Richmond, Phila., Pa.
Racine Boiler & Tank Co., 1523 Sixteenth, Racine, Wis.
Richmond Water Softener Co., Richmond, Ind.
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
St. Paul Roofing Cornice & Ornament Co., St. Paul, Minn.
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
Schoedinger F. O., 346 Mt. Vernon av, Columbus, O.
Sexton Can Co., 123 Broad, Boston, Mass.
South Bend Spark Arrester Co., South Bend Ind.
Spokane Culvert & Tank Co., Spokane, Wash.
Star Tank Co., Goshen, Ind.
Steel Tank & Products Corp., 26 N Jefferson, Chicago, Ill.
Stockton Sheet Metal Works, 37 N American, Stockton, Cal.
Strangman Chas. J. Co., 137 Rose, Los Angeles, Cal.
Tokheim John J., Cedar Rapids, Ia.
Trachte Bros. Co., Madison, Wis.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Vernier Mfg. Co., Cedar Rapids, Ia.
Warren City Tank & Boiler Co. (The), Warren, Ohio
See adv index at end of book

Waterloo Mfg. Co. (Stock, Storage, Creamery, etc), Waterloo, Ia.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Western Steel Products Co., New Duluth, Minn.
Willcox Engineering Co., 1525 Holland av, Saginaw, Mich.
Woodmanse Mfg. Co., Freeport, Ill.

14762a—Tanks (Galvanizing)

Acme Tank Co., 43 Cortlandt, New York
See adv index at end of book
American Steel Pipe & Tank Co., 608H S Main, Los Angeles, Cal.
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Coatesville Boiler Works, 111 S 15th, Philadelphia, Pa.
CORCORAN A. J. INC. (Wood), 745 Jersey av, Jersey City, N. J.
See adv index at end of book
EAGLE TANK CO., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
General Ceramics Co., 50 Church, New York
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Heggie James G. & Sons Inc., Joliet, Ill.
Holzer R. G. (Estate of), 317 Burgundy, New Orleans, La.
Knight Maurice A. (Stonewear), Kelly av, East Akron, O.
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Lancaster Iron Works ("Lancaster"), 500H S Prince, Lancaster, Pa.
New England Tank & Tower Co., 42 Main, Everett, Mass.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
Pacific Tank & Pipe Co., 320 Market, San Francisco, Cal.
Quaker City Iron Works, Tioga & Richmond, Phila., Pa.
Steel Plate Products Co., Pottstown, Pa.
Tippett & Wood, Phillipsburg, N. J.
Union Boiler & Mfg. Co., Dept. H, Lebanon, Pa.
Union Tank & Pipe Co., 2801 Santa Fe av, Los Angeles, Cal.
Wendnagel & Co., 620 W 22nd, Chicago

14762b— Tanks (Garage)

Racine Boiler & Tank Co., 1523 Sixteenth, Racine, Wis.

14763—Tanks (Garbage Wagon, Steel)

American Steel Pipe & Tank Co., 608H S Main, Los Angeles, Cal.
Boyle Mfg. Co. ("Boyco"), 51st & Santa Fe av, Los Angeles, Cal.
Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, O.
See adv index at end of book
FARRELL MFG. CO., Joliet, Ill.
See adv index at end of book
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
McDermott Bros. Co., Allentown, Pa.
Metal Products Corp., 49 Chestnut, Weehawken, N. J.
New Haven Boiler Works Inc., New Haven, Conn.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
Pennsylvania Furnace & Iron Co., 373 Pine, Warren, Pa.
See adv index at end of book
Spokane Culvert & Tank Co., Spokane, Wash.
Union Tank & Pipe Co., 2801 Santa Fe av, Los Angeles, Cal.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

14763a— Tanks (Gas)

Amer. Steel Pipe & Tank Co. (Corrugated), 608 S Main, Los Angeles, Cal.
Biggs Boiler Works Co., Case av & Williams, Akron, O.
See adv index at end of book
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Consolidated Pipe Co., 2440 E 9th, Los Angeles, Cal.
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Heltzel Steel Form & Iron Co. (The), Warren, Ohio
See adv index at end of book
Horton Steel Wks., Ltd., 118 Janet, Bridgeburg, Ont., Can.
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Lancaster Iron Works, Lancaster, Pa.
Leader Iron Works, 2100 N Jasper, Decatur, Ill.
McNamara Bros. Co., Westport, Baltimore, Md.
Mader Bros. & Co., Lebanon, Pa.
Morrison Steel Products Inc., 26 E North, Buffalo, N. Y.
National Tank & Pipe Co. ("National Quality"), 170 Columbia blvd, Portland, Ore.
See adv index at end of book
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
Pennsylvania Furnace & Iron Co., 373 Pine, Warren, Pa.
See adv index at end of book
PRESSED STEEL TANK CO. (Acetylene, Automobile, etc), 58th & Greenfield, West Allis, Milwaukee, Wis.
See adv index at end of book
PREST-O-LITE CO. INC. (THE), (Acetylene, Auto, etc), 30 E 42nd, New York
See adv index at end of book
Quaker City Iron Works, Tioga & Richmond, Phila., Pa.
Scaife Wm. B. Sons & Co., 1st Nat'l Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York *See adv index at end of book*
Standard Boiler & Plate Iron Co., Niles, O. *See adv index at end of book*
Steel Plate Products Co., Pottstown, Pa.
Tippet & Wood, 162 Howard, Phillipsburg, N. J.
Union Tank & Pipe Co., 2801 Santa Fe av, Los Angeles, Cal.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.
Youngstown Pressed Steel Co. (Ends), Warren, O. *See adv index at end of book*

14764—Tanks (Gas Engine Cooling)

BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Bovaird & Seyfang Mfg. Co., Bradford, Pa.
Case W. A. & Sons Mfg. Co., Buffalo, N. Y.
Columbiana Boiler Co., Columbiana, O.
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Kraft A. C., 159 W Lake, Chicago, Ill.
Lacy Mfg. Co., 601 Washington bldg, Los Angeles, Cal.
New England Tank & Tower Co., 42 Main, Everett, Mass.
Rodgers Boiler & Burner Co., Muskegon, Mich.
Roseland Can & Specialty Co., Rockford, Ill.
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
Sexton Can Co., 123 Broad, Boston, Mass.
Struthers-Wells Co., Warren, Pa.
Warren City Tank & Boiler Co. (The), Warren, Ohio
See adv index at end of book
Western Drop Forge Co., P. O. Box 386, Marion, Ind.

14765-6— Tanks (Gasoline)

ABENDROTH & ROOT MFG. CO., Newburg, N. Y. *See adv index at end of book*
Acme Pump & Tank Co., 19 W 44th, New York
Air Tight Steel Tank Co. (Storage for Motor Cars, etc,) Mansion & B. & O. R. R., Pittsburgh, Pa.
AMERICAN CAN CO. (Underground Storage), 120 Broadway, New York
See adv index at end of book
American Iron Works, Louisville, Ky.
American Oil Pump & Tank Co. (Underground Storage), Findlay & Dalton, Cincinnati, O.
Ames W. R. Co., 450 Irwin, San Francisco, Cal.
Atkinson W. H. Co., Hoboken, N. J.
Bakersfield Iron Works, 24th & M, Bakersfield, Cal.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
Beatrice Steel Tank Mfg. Co. ("Nu-way"), Beatrice, Neb.
Beckley Perforating Co., Garwood, N. J.
Beman Automatic Oil Can Co., Ltd., Box 375, Meadville, Pa.
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Bovaird & Seyfang Mfg. Co., Bradford, Pa.
Bowser S. F. & Co. (Self-Measuring), Fort Wayne, Ind.
Boyle-Dayton Co., Santa Fe av Cor. 52d, Los Angeles, Cal.
Buckeye Boiler Co. (Underground Storage), Dayton, O.
Burton W. J. Co. (Automobile), 5650 Federal, Detroit, Mich.
Butler Mfg. Co., 1228 Eastern av, Kansas City, Mo.
Caldwell W. E. Co., Louisville, Ky.
Case J. I. Threshing Machine Co. (Portable), Racine, Wis.
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Clayton & Lambert Mfg. Co. (Automobile), 1370 Beaubien, Detroit, Mich.
Climax Machine & Burner Co. ("Imperial" Storage for Garage), 133 3rd av, Newark, N. J.
Coatesville Boiler Works (Steel), 111 S 15th, Philadelphia, Pa.
Codd E. J. Co., 700 So. Caroline, Baltimore, Md.
Columbian Steel Tank Co. (Galvanized Steel), New England bldg, Kansas City, Mo.
Columbiana Boiler Co., Columbiana, O.
Connecticut Blower Co., Inc., 845 Trumbull, Hartford, Conn.
Connery & Co. Inc., 4000 N 2nd, Phila., Pa. *See adv index at end of book*
Davis Welding & Mfg. Co., 1110 Richmond, Cincinnati, O.
Detroit Range Boiler & Steel Barrel Co. (Galvanized), 2475 24th, Detroit, Mich.
DOVER BOILER WORKS, Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Dravo Contracting Co., 1100 Diamond Bank bldg, Pittsburgh, Pa.
Dundon Iron Works, 225 Folsom, San Francisco, Cal.
Dutwiler Mfg. Co., 2437 23rd, Los Angeles, Cal.
FARRELL MFG. CO., Joliet, Ill.
See adv index at end of book
(Continued on following page)

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GASOLINE TANKS

FOR

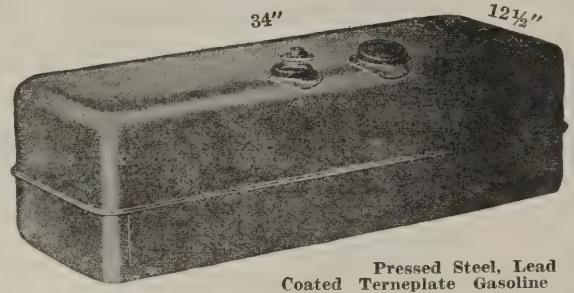
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Tanks (Gasoline)—Cont.

GEUDER, PAESCHKE & FREY CO., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book

Gilbert & Barker Mfg. Co. ("Gilbert & Barker" Underground Storage), Springfield, Mass.

Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*

Gunning Boiler & Machine Co., New Bedford, Mass.

Hamburg Boiler Works (Storage), Hamburg, Pa.

Hammond Iron Works, Warren, Pa.
See adv index at end of book

Hastings Equity Grain Bin Mfg. Co. (Underground), Hastings, Neb.

Heggie James G. & Sons Inc., Joliet, Ill.

Heil Co. ("Quality" Underground Storage), 1270-1300 26th av, Milwaukee, Wis.

Heltzel Steel Form & Iron Co. The, Warren, O.
See adv index at end of book

Holan Metal Products Co. (Underground), W 40th & Clark av, Cleveland, O.

Holbrook J. F. Co., 302 N San Pedro, Los Angeles, Cal.

Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.

Inglis Mfg. Co., 283 5th av, Milwaukee, Wis.

International Boiler Works Co., East Stroudsburg, Pa.

Iron & Steel Contracting Co., 215 San Bruno av, San Francisco, Cal.

Johnson & Thompson, Birmingham, Ala.

Kaustine Co., Inc. ("Kaustine" Enameled Iron), Niagara Life bldg, Buffalo, N. Y.

Kellogg V. M. Co. (Welded), 90 West, New York *See adv index at end of book*

Kewanee Private Utilities Co. (Storage), Kewanee, Ill.

Keystone Tank & Boiler Works, Butler, Pa.

Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cinn., O.

KOVEN L. O. & BRO. INC., 154 Ogden av, Jersey City, N. J.
See adv index at end of book

Kraft A. C. ("Number Ten"), 159 W Lake, Chicago, Ill.

Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.

Lally Commercial Body Co., Everett, Mass.

Lancaster Iron Works, Lancaster, Pa.

TANKS—Gasoline

Tanks of any capacity or shape both plain or galvanized for storage of gasoline underground, in boats or industrial plants. Riveted or welded construction.

L. O. KOVEN & BROTHER, Inc.
154 Ogden Avenue, Jersey City, N. J.

Lanpan Jas. Mfg. Co., 20th & Pike, Pittsburgh, Pa.

Leader Iron Works, 2100 N Jasper, Decatur, Ill.

Lebanon Boiler Works, Harrison bldg, Phila., Pa.

Littleford Bros. (Dry Cleaners), 444 E Pearl, Cincinnati, O.
See adv index at end of book

McNamara Bros. Co., Westport, Baltimore, Md.

Mader Bros. & Co., Lebanon, Pa.

Main Iron Works, 16th & Daggett, San Francisco, Cal.

Martin Metal Mfg. Co., Wichita, Kan.

Mertz John Mfg. Co., Sandusky, O.

Meurer Steel Barrel Co., Inc. ("Anchor" Welded Seamless), 23 W 43rd, New York

Michigan Stamping Co., Mack & Outer Belt Line, Detroit, Mich.

Milwaukee Tank Works, Fratney & Becker, Milwaukee, Wis.

Mobile Steel Co., Mobile, Ala.

Morrison Bros., Dubuque, Ia.

Mullins Body Corp. (Automobile), Salem, O.

National Enameling & Stamping Co. (Underground Storage), 1901 Light, Baltimore, Md.

Nebraska & Iowa Steel Tank Co. (Galvanized Steel), Omaha, Neb.

New Haven Boiler Works Inc., New Haven, Conn.

New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.

NOVELTY STEAM BOILER WORKS, 917 S Howard, Baltimore, Md.

Ohio Machine & Boiler Co., 1510H University rd, Cleveland.

Pennsylvania Furnace & Iron Co., 373 Pine, Warren, Pa.
See adv index at end of book

PENNSYLVANIA FURNACE & IRON COMPANY
WARREN, PA.

Highest grade truck, underground and storage tanks for gasoline.

Petroleum Iron Works Co. of Ohio, Sharon, Pa.
See adv index at end of book

Phoenix Iron Wks. Co., Meadville, Pa.

Pittsburgh-Des Moines Steel Co., 304 Curry bldg, Pittsburgh, Pa.
See adv index at end of book

Quaker City Iron Works, Tioga & Richmond, Phila., Pa.

REEVES BROS. CO., THE, Alliance, O.
See adv index at end of book

Robinson Boiler Works, A. F., 2nd & Binney, E Cambridge, Mass.

Rochester Can Co. ("Iron Horse" Galvanized Iron with Lock Faucet), 89 Hague, Rochester, N. Y.
See adv index at end of book

Rodgers Boiler & Burner Co., Muskegon, Mich.

Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.

SCAIFE WM. B. & SONS CO. (Storage, Launch, Underground, etc.), First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book

Sharpsville Boiler Works, Sharpsville, Pa.

South Bend Spark Arrester Co. (Galvanized), South Bend, Ind.

Southern Boiler Works, Belleville, Ill.

Southern Metal Co. Inc., Lake Charles, La.

Spokane Culvert & Tank Co., Spokane, Wash.

Standard Boiler & Plate Iron Co., Niles, O. *See adv index at end of book*

Standard Tank Co., 342 Madison av, New York
Star Tank Co. (Galv.), Goshen, Ind.
Steel Tank & Products Corp., 26 N Jefferson, Chicago, Ill.
Tippett & Wood, Phillipsburg, N. J.
Tirrill Gas Mach. Lighting Co., 50H Church, New York
Tokheim John J. Co., Cedar Rapids, Ia.
Treadwell Construction Co., Midland, Pa.
Turi Iron & Car Co. (Inc.), The, 50 Broad, New York. Works: Newburgh, N. Y.
Union Boiler & Mfg. Co., Dept. H, Lebanon, Pa.
Union Tank & Pipe Co., 2801H Santa Fe av, Los Angeles, Cal.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Warren City Tank & Boiler Co. (The), Warren, Ohio
See adv index at end of book
Welded Products Co., 2700H 7th av, Birmingham, Ala.
Western Blower Co., 1800 9th av, S, Seattle, Wash.
Western Drop Forge Co., P. O. Box 386, Marion, Ind.
Western Engineering Corp., Spokane & E Marginal way, Seattle, Wash.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Western Steel Products Co., New Duluth, Minn.
Wilson F. Cortez Co., 159 W Lake, Chicago, Ill.
Wood John Mfg. Co. (Electric Welded), Conshohocken, Pa.
Youngstown Boiler & Tank Co., 1054 Mahoning av, Youngstown, O.
Zelnicker Walter Supply Co. (Dealer), 325 Locust, St. Louis, Mo.

Tanks (Glass Enameled Steel)

See Tanks, Steel, Glass Enameled

Tanks (Grain Elevator)

See Tanks, Grain Storage

14767—Tanks (Grain Storage)

Anderson Co. ("Grain King"), 2324 University av, St. Paul, Minn.
Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
Bethlehem Fabricators, Inc., Bethlehem, Pa.
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Blaw-Knox Co., Freeport rd, Hoboken, Pa.
Breese Bros. Co. The (Steel), 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Bros. Wm. Boiler & Mfg. Co., Nic Island, Minneapolis, Minn.
Caldwell W. E. Co., Louisville, Ky.
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Columbiana Boiler Co., Columbiana, O.
Connery & Co. Inc., 4000 N 2nd, Phila., Pa.
See adv index at end of book
CRAINE SILO CO. INC., 27 Sheldon, Norwich, N. Y.
See adv index at end of book
Dickey W. S. Clay Mfg. Co. (Glazed Hollow Tile), Kansas City, Mo., Mocomb, Ill., & Chattanooga, Tenn.
DOVER-BOILER WORKS, Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Fouts C. C. Co. ("Duro"), 650 Woodlawn av, Middletown, Ohio
Freeman Mfg. Co., Racine, Wis.
See adv index at end of book
Graver Corp. (& Grain Elevator), 4020 Todd av, E Chicago, Ill.
See adv index at end of book
HAMMOND IRON WORKS, Warren, Pa.
See adv index at end of book
Harry Bros. Co. ("Harry's," Corrugated Galvanized Iron), Carr av & I. C. R. R., New Orleans, La.
Hauser Stander Tank Co. (Wood), Ammen & B. & O. Ry., Cincinnati, O.
See adv index at end of book
Heggie James G. & Sons, Joliet, Ill.
Heltzel Steel Form & Iron Co. (The), (Metal), Warren, Ohio
See adv index at end of book
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
International Harvester Co. ("Weber"), H, Harvester bldg, Chicago, Ill.
Johnson & Barry Steel Co., Birmingham, Ala.
Johnson & Thompson, Birmingham, Ala.
Kittoe Boiler & Tank Co. (Inc.), Canton, Ohio
Lacy Mfg. Co., 601 Washington bldg, Los Angeles, Cal.
Lakeside Bridge & Steel Co., 402 Villard av, N Milwaukee, Wis.
Lappan Jas. Mfg. Co., 20th & Pike, Pittsburgh, Pa.
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
Littleford Bros., 444 E Pearl, Cincinnati, O. *See adv index at end of book*
McDermott Bros. Co., Allentown, Pa.
McNamara Bros. Co., Westport, Baltimore, Md.
McNeil Boiler Co., 96 Crozier, Akron, O.
Mader Bros Co., Lebanon, Pa.
Manitowoc Engineering Works, Manitowoc, Wis.
Martin Metal Mfg. Co., Wichita, Kan.
Michelmann Steel Construction Co., Quincy, Ill.
Minneapolis Steel & Machinery Co., 2354 Minnehaha av, Minneapolis, Minn.
Mobile Steel Co., Mobile, Ala.
National Tank & Pipe Co. ("National Quality"), 170 Columbia blvd, Portland, Ore.
See adv index at end of book
Nebraska & Iowa Steel Tank Co. (Galvanized Steel), Omaha, Neb.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
Northfield Iron Co., Northfield, Minn.
Pacific Tank & Pipe Co., 320 Market, San Francisco, Cal.
Phoenix Iron Works Co., Meadville, Pa.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Polk Genung Polk Co. (Concrete), Dept. H, Fort Branch, Ind.
Pollock Wm. B. Co., Youngstown, O.
Riter-Conley Co., Oliver bldg, Pittsburgh, Pa.
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
St. Paul Roofing, Cornice & Ornament Co. (Galvanized Steel), St. Paul, Minn.
Skelton Joseph L. Engineering Co., Front, Toledo, O.
Southern Boiler & Tank Works, 1275 Thomas, Memphis, Tenn.
Spokane Culvert & Tank Co., Spokane, Wash.
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Steel Plate Products Co., Pottstown, Pa.
Tippett & Wood, Phillipsburg, N. J.
Topeka Steam Boiler Works, Topeka, Kans.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
Tulsa Boiler & Machy. Co., Tulsa, Okla.
United Iron Works, Inc., Kansas City, Mo.
Walsh & Widener Boiler Co., Chattanooga, Tenn.
Warren City Tank & Boiler Co. (The), Warren, Ohio
See adv index at end of book
Western Drop Forge Co., P. O. Box 386, Marion, Ind.
Western Iron & Foundry Co., Wichita, Kansas
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Wiederholdt Construction Co. ("Wiederholdt" System Reinforced Tile & Concrete), Old Bank of Commerce, St. Louis, Mo.

14767a—Tanks (Gravity & Pressure Automatic Sprinkler System)

Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
Biggs Boiler Works Co., Case av & Williams, Akron, O.
See adv index at end of book
CHICAGO BRIDGE & IRON WORKS, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Connery & Co. Inc., 4000 N 2nd, Phila., Pa. *See adv index at end of book*
CORCORAN A. J. INC., 745 Jersey av, Jersey City, N. J.
See adv index at end of book
EAGLE TANK CO., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Hauser Stander Tank Co. (Wood), Ammen & B. & O. Ry. Cincinnati, O.
See adv index at end of book
Heltzel Steel Form & Iron Co., The, Warren, O.
See adv index at end of book
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Johnson & Carlson, 864 Eastman, Chicago, Ill.
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Lacy Mfg. Co., 601 Washington bldg, Los Angeles, Cal.
Leader Iron Works, 2100 N Jasper, Decatur, Ill.
Littleford Bros. (Gravity), 444 E Pearl, Cincinnati, O.
See adv index at end of book
NATIONAL TANK & PIPE CO. ("National Quality," Gravity & Sprinkler Only), 170 Columbia blvd, Portland, Ore.
See adv index at end of book
New England Tank & Tower Co., 42 Main, Everett, Mass.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
Pacific Tank & Pipe Co., 320 Market, San Francisco, Cal.
Quaker City Iron Works, Tioga & Richmond, Phila., Pa.
Scaife Wm. B. Sons & Co., 1st Natl. Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York. *See adv index at end of book*
Steel Tank & Products Corp., 26 N Jefferson, Chicago, Ill.
WENDNAGEL & CO., 620 W 22nd, Chicago
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Woolford G. Wood Tank Mfg. Co., 72nd & Woodland, Phila., Pa.
See adv index at end of book

14768—Tanks (Hard Rubber)

American Hard Rubber Co. (For Chemical Plants, etc), 9 Mercer, New York

14769— Tanks (Hot Air)

BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Connery & Co. Inc., 4000 N 2nd, Phila., Pa. *See adv index at end of book*
Graver Corp., 4150 Todd av, E Chicago, Ind. *See adv index at end of book*
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
Union Tank & Pipe Co., 2801 Santa Fe av, Los Angeles, Cal.

14769a—*Tanks (Humidifier)

Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book

14770—Tanks (Hydro-Pneumatic)

American Welding Co., Carbonadle, Pa.
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Coatesville Boiler Works (Steel), 111 S 15th, Phila., Pa.
Connery & Co. Inc., 4000 N 2nd, Phila., Pa. *See adv index at end of book*
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Hartley Boiler Works, Montgomery, Ala.
Heggie James G. & Sons, Joliet, Ill.
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
International Boiler Works Co., East Stroudsburg, Pa.
Lancaster Iron Works ("Lancaster"), 500 S Prince, Lancaster, Pa.
Leader Iron Works, 2100 N Jasper, Decatur, Ill.
McNamara Bros. Co., Westport, Baltimore, Md.
Manitowoc Engineering Works, Manitowoc, Wis.
Nagle Engine & Boiler Works, Erie, Pa.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
NOVELTY STEAM BOILER WORKS, 917 S Howard, Baltimore, Md.
Pennsylvania Boiler Works, Erie, Pa.
Petroleum Iron Works Co. of Ohio, Sharon, Pa.
See adv index at end of book
RACINE BOILER & TANK CO., 1523 16th, Racine, Wis.
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Steel Plate Products Co., Pottstown, Pa.
Steel Tank & Products Corp, 26 N Jefferson, Chicago, Ill.
Struthers-Wells Co., Warren, Pa.
Toledo Metal Manufactures Co. The, 983-1015 Front, Toledo, Ohio
See adv index at end of book

14771—Tanks (Indurated Fibre)

Fibre Corporation, Lockport, N. Y.

14772— Tanks (Jacketed)

Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
Beckley Perforating Co., Garwood, N. J.
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Coatesville Boiler Works (Steel), 111 S 15th, Phila., Pa.
Dover Boiler Works, Sales Office, 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Fleming Mfg. Co., 411 Neal, New Castle, Pa.
GERDES & CO., 42 Church, New York
See adv index at end of book

(Continued on following page)

Tanks (Jacketed)—Continued

Granger Co. A. D., 17 Park Row, New York
See adv index at end of book
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Hamler Boiler & Tank Co., Dept. H, W 66th & 60th av, Chicago, Ill.
Heltzel Steel Form & Iron Co., The, Warren, O.
Krenz Oscar Copper & Brass Works, 612 Bryant, San Fransisco, Cal.
Lacy Mfg. Co., 601 Washington bldg, Los Angeles, Cal.
Lancaster Iron Works ("Lancaster"), 500 S Prince, Lancaster, Pa.
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
Littleford Bros., 444 E Pearl, Cincinnati, O. *See adv index at end of book*
McNamara Bros. Co., Westport, Baltimore, Md.
Mader Bros. Co., Lebanon, Pa.
Manitowoc Engineering Works, Manitowoc, Wis.
Murray Iron Works Co., Burlington, Iowa
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
Phoenix Iron Works Co., Meadville, Pa.
Quaker City Iron Works, Tioga & Richmond, Phila., Pa.
Racine Boiler & Tank Co., 1523 Sixteenth, Racine, Wis.
Southern Boiler & Tank Works, 1275 Thomas, Memphis, Tenn.
Sowers Mfg. Co., 1300 Niagara, Buffalo, N. Y.
Standard Boiler & Plate Iron Co., Niles, O. *See adv index at end of book*
Steel Plate Products Co., Pottstown, Pa.
Struthers-Wells Co., Warren, Pa.
Treadwell Constr. Co., Midland, Pa.
Union Boiler & Mfg. Co., Dept. H, Lebanon, Pa.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Western Drop-Forge Co., P. O. Box 386, Marion, Ind.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.

14773—Tanks (Knock-Down)

ACME TANK COMPANY (Wood), 43 Cortland, New York
See adv index at end of book
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Butler Mfg. Co., 1228 Eastern av, Kansas City, Mo.
Codd E. J. Co., 700 So. Caroline, Baltimore, Md.
Connery & Co. Inc., 4000 N 2nd, Phila., Pa. *See adv index at end of book*
Corcoran A. J. Inc., 745 Jersey av, Jersey City, N. J.
See adv index at end of book
CRAINE SILO CO., INC. (Concrete, Tile, Wood), 27 Sheldon, Norwich, N. Y.
See adv index at end of book
Eagle Tank Co., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Ferguson Mfg. Co., Dubuque, Ia.
Fouts C. C. Co. ("Duro"), 650 Woodlawn av, Middletown, O.
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Harry Bros. Co. ("Harry's," Galvanized Iron), Carr av & L. C. R. R., New Orleans, La.
Honhorst Jos. Co., 1018 W 6th, Cincinnati, Ohio
Johnson & Thompson, Birmingham, Ala.
Klauer Mfg. Co. (Galvanized), Dubuque, Ia.
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Lacy Mfg. Co., 601 Washington bldg, Los Angeles, Cal.
Lancaster Iron Works, Lancaster, Pa.
Lebanon Boiler Works, Lebanon, Pa.
Littleford Bros., 444 E Pearl, Cincinnati, O. *See adv index at end of book*
Lookout Boiler Mfg. Co., Chattanooga, Tenn.
McNamara Bros. Co., Westport, Baltimore, Md.
Mader Bros. Co., Lebanon, Pa.
Manitowoc Engineering Works, Manitowoc, Wis.
Martin Metal Mfg. Co., Wichita, Kans.
National Tank & Pipe Co. ("National Quality"), 170 Columbia blvd, Portland, Ore.
See adv index at end of book
Nebraska & Iowa Steel Tank Co. (Galvanized Steel), Omaha, Neb.
New England Tank & Tower Co., 42 Main, Everettt, Mass.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
Novelty Steam Boiler Works, 917 S Howard, Baltimore, Md.
Pacific Tank & Pipe Co., 320 Market, San Francisco, Cal.
Pennsylvania Furnace & Iron Co., 373 Pine, Warren Pa.
See adv index at end of book
Perfection Metal Products Co., Topeka, Kans.
Phoenix Iron Works Co., Meadville, Pa.
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
Sharpsville Boiler Works, Sharpsville, Pa.
Southern Boiler & Tank Works, 1275 Thomas, Memphis, Tenn.
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Standard Tank Car Co., Sharon, Pa.
Star Tank Co. (Galv.), Goshen, Ind.
Steel Plate Products Co., Pottstown, Pa.
Trachte Bros. Co., Madison, Wis.
Traylor Engineering & Mfg. Co., Allentown, Pa.
Union Boiler & Mfg. Co., Dept. H, Lebanon, Pa.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Wendnagel & Co., 622 W 22nd, Chicago, Ill.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
WOOLFORD, G. WOOD TANK MFG. CO., 72nd & Woodland, Phila., Pa.
See adv index at end of book

14774— Tanks (Lead)

Atlas Copper & Brass Mfg. Co. (Lined), 2736-44 High, Chicago, Ill.
Badger E. B. & Sons Co. (Also Lead Lined), 75A Pitts, Boston, Mass.
See adv index at end of book
Chadwick-Boston Lead Co., Boston, Mass.
Hauser Stander Tank Co., Ammen & B. & O. Ry., Cincinnati, O.
See adv index at end of book
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y.
See adv index at end of book

14775— Tanks (Lead or Copper Lined)

Acme Tank Co., 43 Cortlandt, New York
See adv index at end of book
Badger E. B. & Sons Co., 75A Pitts, Boston, Mass.
See adv index at end of book
Buffalo Foundry & Machine Co. (Copper), 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Chadwick-Boston Lead Co., 162 Congress, Boston, Mass.
EAGLE TANK CO., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Gerdes & Co., 42 Church, New York
See adv index at end of book
Hamler Boiler & Tank Co. (Lead Lined), Dept. H, W 66th & 60th av, Chicago, Ill.
Hauser Stander Tank Co. (Lead Lined), Ammen & B. & O. Ry., Cincinnati, O.
See adv index at end of book
Heil Co. ("Quality" Lead Lined), 1270-1300 26th av, Milwaukee, Wis.
KOVEN L. O. & BRO. INC., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Leader Iron Works, 2100 N Jasper, Decatur, Ill.
New England Tank & Tower Co. (Lead Lined), 42 Main, Everett, Mass.
WENDNAGEL & CO., 622 W 22nd, Chicago, Ill.

14776—Tanks (Lighting System)

Carbic Mfg. Co., 301 S 55th av, Duluth, Minn.
Case W. A. & Sons Mfg. Co., Buffalo, N. Y.
Federal Pressed Steel Co., Keefe av & North Pierce, Milwaukee, Wis.
Pressed Steel Tank Co., 53th & Greenfield av, Milwaukee, Wis.
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book

14776a—*Tanks (Locomotive Service)

CHICAGO BRIDGE & IRON WORKS, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Leader Iron Works (Fuel Oil), 2100 N Jasper, Decatur, Ill.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.

14777— Tanks (Lubricating Oil Storage)

See also Cabinets, Oil

AMERICAN CAN CO., 120 Broadway, New York *See adv index at end of book*
American Oil Pump & Tank Co. (With Self-Measuring Pump, etc), Findlay & Dalton, Cincinnati, O.
Beman Automatic Oil Can Co. ("Beman"), Meadville, Pa.
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Blanke W. F. Can & Mfg. Co., 116 Pine, St. Louis, Mo.
Bowser S. F. & Co., Fort Wayne, Ind.
Butler Mfg. Co., 1228 Eastern av, Kansas City, Mo.
California Boiler Works, 526 Howard, San Fransisco, Cal.
California Steel Products Co., 452H Bay, San Francisco, Cal.
CHICAGO BRIDGE & IRON WORKS, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Chicago Steel Tank Co., Cicero, Ill.
Columbian Steel Tank Co. (Galvanized Steel), New England bldg, Kansas City, Mo.
Columbiana Boiler Co., Columbiana, O.
Connecticut Blower Co., Inc., 345 Trumbull, Hartford, Conn.
Connery & Co. Inc., 4000 N 2nd, Phila., Pa.
See adv index at end of book
Delphos Mfg. Co. (Non-Overflowing), 1st & Pierce, Delphos, O.
Drake-Williams-Mount Co., Omaha, Neb.
Dravo Contracting Co., 1100 Diamond Bank bldg, Pittsburgh, Pa.
Dundon Iron Works, 225 Folsom, San Francisco, Cal.
Dutwiler Mfg. Co., 2437 E 23rd, Los Angeles, Cal.
Eastern Oil Tank Co. (Underground, etc., Fitted With Self-Measuring Pump), Lowell, Mass.
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Gunning Boiler & Machine Co., New Bedford, Mass.
Hammond Iron Works, Warren, Pa.
See adv index at end of book
Heggie James G. & Sons, Joliet, Ill.
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Keystone Tank & Boiler Works, Butler, Pa.
Kittoe Boiler & Tank Co. (Inc.), Canton, Ohio
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Kraft A. C. ("Number Nine," "W. & E.," "Aztec" & "Zetroc"), 159 W Lake, Chicago, Ill.
Lacy Mfg. Co., 601 Washington bldg, Los Angeles, Cal.
Leader Iron Works, 2100 N Jasper, Decatur, Ill.
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
McDermott Bros. Co., Allentown, Pa.
McNamara Bros. Co., Westport, Baltimore, Md.
Mader Bros. Co., Lebanon, Pa.
Manitowoc Engineering Works, Manitowoc, Wis.
Maurer Steel Barrel Co. Inc. ("Anchor" Welded Seamless), 23 W 43d, New York
Milwaukee Tank Works ("Milwaukee," "Kant Leek"), Fratney & Becker, Milwaukee, Wis.
Missouri Boiler & Sheet Iron Works, 23d & Papin, St. Louis, Mo.
New Haven Boiler Works Inc., New Haven, Conn.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
Novelty Steam Boiler Works, 917 S Howard, Baltimore, Md.
OCEAN SHORE IRON WORKS, 550 8th, San Francisco, Cal.
Penna. Furnace & Iron Co., 373 Pine, Warren, Pa. *See adv index at end of book*
Phoenix Iron Works Co., Meadville, Pa.
Pittsburgh-Des Moines Steel Co., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Pittsburgh Gage & Supply Co. ("White Star"), 30th & Liberty av, Pittsburgh, Pa.
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
Sexton Can Co. ("Sexton's" Adjustable), 123 Broad, Boston, Mass.
Sharpsville Boiler Works, Sharpsville, Pa.
Southern Boiler & Tank Works, 1275 Thomas, Memphis, Tenn.
Spokane Culvert & Tank Co., Spokane, Wash.
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Star Tank Co. (Galv.), Goshen, Ind.
Steel Plate Products Co., Pottstown, Pa.
Struthers-Wells Co., Warren, Pa.
Tokheim John J. Co. (Dry Cleaners & Paint Oils), Cedar Rapids, Ia.
Toledo Metal Manufactures Co. (The), 983-1015 Front, Toledo, Ohio
See adv index at end of book
Trachte Bros. Co., Madison, Wis.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
Turner Oil Filter Co. ("Turner"), Niles, Mich.
Union Boiler & Mfg. Co., Dept. H, Lebanon, Pa.
Union Tank & Pipe Co., 2801 Santa Fe av, Los Angeles, Cal.
Vac Liquid Equipment Co., Cedar Rapids, Ia.
Wall P. Mfg. & Supply Co., 705 Preble av, Pittsburgh, Pa
Welded Products Co., 2700H 7th av, Birmingham, Ala.
West Coast Iron & Steel Works, Inc., 3rd & Glisan, Portland, Ore.

Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Youngstown Boiler & Tank Co., 1054 Mahoning av, Youngstown, O.

14778— Tanks (Milk)

Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
Eagle Tank Co., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Elyria Enameled Products Co., The (Glass Enameled), Elyria, O.
Hastings Equity Grain Bin Mfg. Co., Hastings, Neb.
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
Union Tank & Pipe Co., 2801 Santa Fe av, Los Angeles, Cal.

14778a— Tanks (Mine)

Chicago Bridge & Iron Works, 2105 Transportation bldg, Chicago, Ill.
See adv index at end of book
Eagle Tank Co., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
New York Central Iron Works Co. Inc., Hagerstown, Md.
Steel Tank & Products Corp., 26 N Jefferson, Chicago, Ill.

14778b— Tanks (Mixing)

ACME TANK COMPANY (Wood), 42 Cortlandt, New York
See adv index at end of book
Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
Baker's Sons J. & Perkins Co. Inc., White Plains, N. Y.
Baltimore Cooperage Co., The (Wooden Mixing), Ostend & Leadenhall, Baltimore, Md.

BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book

Bowser S. F. & Co., Ft. Wayne, Ind.
Caldwell W. E. Co., Louisville, Ky.
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Chicago Steel Tank Co., Cicero, Ill.
Coatesville Boiler Works (Steel), 111 S 15th, Phila., Pa.
Codd E. J. Co., 700 So. Caroline, Baltimore, Md.
Columbiana Boiler Co., Columbiana, O.
Connery & Co. Inc., 4000 N 2nd, Phila., Pa. *See adv index at end of book*
Corcoran A. J. Inc., 745 Jersey av, Jersey City, N. J.
See adv index at end of book
Davis-Watkins Dairymen's Mfg. Co. ("Davis"), Dept. H, North Chicago, Ill.
Devine J. P. Co., Buffalo, N. Y.
Dover Boiler Works, Sales Office, 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Fleming Mfg. Co., 411 Neal, New Castle, Pa.
Gerdes & Co., 42 Church, New York
See adv index at end of book

GRAVER CORP., 4020 Todd av, E Chicago, Ind.
See adv index at end of book

Hauser Stander Tank Co. (Wood), Ammen & B. & O. Ry, Cincinnati, O.
See adv index at end of book
Heggie James G. & Sons, Joliet, Ill.
Heltzel Steel Form & Iron Co. (The), Warren, Ohio
See adv index at end of book
Honhorst Jos. Co., 1018 W 6th, Cincinnati, Ohio
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Johnson John Co., 37th & 2d av, Brooklyn, N. Y.
Kittoe Boiler & Tank Co. (Inc.), Canton, O.
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Kraft A. C., 159 W Lake, Chicago, Ill.
Lancaster Iron Works ("Lancaster"), 500H Prince, Lancaster, Pa.
Leader Iron Works, 2100 N Jasper, Decatur, Ill.
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
Leslie Elliott & Co., Paterson, N. J.
Littleford Bros., 444 E Pearl, Cincinnati, O. *See adv index at end of book*
McDermott Bros. Co., Allentown, Pa.
McNamara Bros. Co., Westport, Baltimore, Md.
Mader Bros. & Co., Lebanon, Pa.
Manitowoc Engineering Works, Manitowoc, Wis.
National Tank & Pipe Co. ("National Quality"), 170 Columbia blvd, Portland, Ore.
See adv index at end of book
New England Tank & Tower Co., 42 Main, Everett, Mass.
New Haven Boiler Works Inc., New Haven, Conn.
New York Central Iron Wks. Co., Inc., Hagerstown, Md.
Ohio Machine & Boiler Co., 1510H University rd, Cleveland, O.
Pennsylvania Furnace & Iron Co., 373 Pine, Warren, Pa.
See adv index at end of book
Phoenix Iron Works Co., Meadville, Pa.
Quaker City Iron Works, Tioga & Richmond, Phila., Pa.
Racine Boiler & Tank Co., 1523 Sixteenth, Racine, Wis.
Skelton Joseph L. Engineering Co., Front, Toledo, O.
Smith Samuel & Son Co., Paterson, N. J.
Sowers Mfg. Co., 1300 Niagara, Buffalo, N. Y.
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Steel Plate Products Co., Pottstown, Pa.
Struthers-Wells Co., Warren, Pa.
Turl Iron & Car Co. (Inc.), The, 50 Broad, New York. Works: Newburgh, N. Y.
Union Boiler & Mfg. Co., Dept. H, Lebanon, Pa.
U. S. Bottlers' Machinery Co. ("U. S."), 4015 N Rockwell, Chicago, Ill.
Walsh & Weidner Boiler Co., W Main & Ash, Chattanooga, Tenn.
WARREN CITY TANK & BOILER CO. (THE), Warren, Ohio
See adv index at end of book
Wendnagel & Co., 620 S 22nd, Chicago
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
WOOLFORD G. WOOD TANK MFG. CO., 72nd & Woodland, Phila., Pa.
See adv index at end of book

14779— Tanks (Molasses)

Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.

BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book

Bovaird & Seyfang Mfg. Co., Bradford, Pa.
CHICAGO BRIDGE & IRON WORKS, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Columbiana Boiler Co., Columbiana, O.
Connery & Co. Inc., 4000 N 2nd, Phila., Pa. *See adv index at end of book*

DOVER BOILER WORKS. Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*

Eagle Tank Co., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Fleming Mfg. Co., 411 Neal, New Castle, Pa.
Gerdes & Co., 42 Church, New York.
See adv index at end of book
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*

HAMMOND IRON WORKS, Warren, Pa.
See adv index at end of book

Harry Bros. Co. ("Harry's." Corrugated Galvanized Iron), Carr av & L. C. R. R., New Orleans, La.
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Johnson & Thompson, Birmingham, Ala.
Kittoe Boiler & Tank Co. (Inc.) Canton, O.
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Kraft A. C., 159 W Lake, Chicago, Ill.
Lacy Mfg. Co., 601 Washington bldg, Los Angeles, Cal.
Lancaster Iron Works ("Lancaster"), 500H Prince, Lancaster, Pa.
Lappan Jas. Mfg. Co., 20th & Pike, Pittsburgh, Pa.
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
Leslie Elliott & Co., Paterson, N. J.
Littleford Bros., 444 E Pearl, Cincinnati, O. *See adv index at end of book*
Lookout Boiler Mfg. Co., Chattanooga, Tenn.
McDermott Bros. Co., Allentown, Pa.
McNamara Bros. Co., Westport, Baltimore, Md.
Mader Bros. & Co., Lebanon, Pa.
Manitowoc Engineering Works, Manitowoc, Wis.
Missouri Boiler & Sheet Iron Works, 23rd & Papin, St. Louis, Mo.
National Tank & Pipe Co. ("National Quality"), 170 Columbia blvd, Portland, Ore.
See adv index at end of book
New England Tank & Tower Co., 42 Main, Everett, Mass.
New Haven Boiler Works Inc., New Haven, Conn.
New York Central Iron Wks. Co., Inc., Dept. H, Hagerstown, Md.
Pacific Tank & Pipe Co., 320 Market, San Francisco, Cal.
Petroleum Iron Works Co. of Ohio, Sharon, Pa.
See adv index at end of book
Pittsburgh-Des Moines Steel Co., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Quaker City Iron Works, Tioga & Richmond, Phila., Pa.
Reeves Bros. Co. (The), Alliance, O.
See adv index at end of book
Rodgers Boiler & Burner Co., Muskegon, Mich.
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
Sharpsville Boiler Works, Sharpsville, Pa.
Smith Samuel & Son Co., Paterson, N. J.
Southern Boiler & Tank Works, 1275 Thomas, Memphis, Tenn.
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Steel Plate Products Co., Pottstown, Pa.
Struthers-Wells Co., Warren, Pa.
Tippett & Wood, Phillipsburg, N. J.
Trachte Bros. Co., Madison, Wis.
Traylor Engng. & Mfg. Co., Allentown, Pa.
Treadwell Constr. Co., Midland, Pa.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
Turl Iron & Car Co. (Inc.), The, 50 Broad, New York. Works: Newburgh, N. Y.
Union Boiler & Mfg. Co., Dept. H, Lebanon, Pa.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Warren City Tank & Boiler Co. (The), Warren, Ohio
See adv index at end of book
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Youngstown Boiler & Tank Co., 1054 Mahoning av, Youngstown, O.

14780— Tanks (Molasses Heating)

BIGGS BOILER WORKS CO., Case & Williams, Akron, O.
See adv index at end of book
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Johnson & Thompson, Birmingham, Ala.
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
New York Central Iron Wks. Co., Inc., Dept. H, Hagerstown, Md.
Standard Tank Car Co., Sharon, Pa.

14780a—Tanks (Monel Metal)

Acme Coppersmithing Co., Inc., 1009 W Ohio, Chicago, Ill.
American Welding Co., 3011 S Wabash, Chicago, Ill.
Austin Welding Works, 551 Quincy, Chicago, Ill.
Badger & Sons Co. E. B., Boston, Mass.
Beckley Perforating Co., Garwood, N. J.
Behringer E. Sheet Metal Works, Inc., Newark, N. J.
Berla Elias, 232 Mulberry, Newark, N. J.
Burrell & Co., Inc., D. H., Little Falls, N. Y.
City Cornice Co., Oakland, Cal.
Columbia Heater Co., 396 Hamilton av, Paterson, N. J.
Detroit Heating & Lighting Co., Detroit, Mich.
Eagle Tank Co., 2443 N Crawford av, Chicago, Ill.
Edwards Mfg. Co., The, Cincinnati, O.
Emerson & Sack, 77 Haverhill, Boston, Mass.
Emery, A. H., Glenbrook, Conn.
Falstrom Co., Passiac, N. J.
Farber Sheet Metal & Roofing Co., Pawtucket, R. I.
Fleming Tank Co., Pittsburgh, Pa.
Furman Engineering Corp., 30 Church, New York
General Tank Corp., 12 Monitor, Brooklyn, N. Y.
Giles Dyeing Machinery Co., North Philadelphia, Pa.
Groen Mfg. Co., 4535 Armitage av, Chicago, Ill.
Gustafson & Schwartz, 39 Haverhill, Boston, Mass.
Hall & Sons Amos H., Philadelphia, Pa.
Harley Co., The, Springfield, Mass.
Heil Co., The, Milwaukee, Wis.
Hendrick Mfg. Co., Carbondale, Pa.
Hub Sheet Iron Co., Boston, Mass.
Huehn & Co. C. N., Waterloo, Ont.
Hunter Machine Co. James, North Adams, Mass.

INCO
Monel metal
CHEMICAL TANKS
Resists Corrosion of All Alkalis, Most Acids, and Many Chemicals.
Can Be Supplied in All Monel Metal, or of Wood or Other Material Lined with Monel Metal.
Write for Details.
SEE OUR INSERT AT MONEL METAL
THE INTERNATIONAL NICKEL COMPANY
67 Wall Street New York, N.Y.

(Continued on following page)

Tanks (Monel Metal)—Continued

INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book

Johnson & Carlson, 848 Eastman, Chicago, Ill.
Kirsten O., 51 Tehama, San Francisco, Cal.
Koven & Bro. L. O., Jersey City, N. J.
Liberty Coppersmithing Co., Philadelphia, Pa.
Manchester J. B., Providence, R. I.
National Copper & Steel Tank Works, 455 North Artesian av, Chicago, Ill.
Newbold & Son Co. R. S., Norristown, Pa.
Par Excellence Tank Co., Milwaukee, Wis.
Parker Rust Proof Co., Detroit, Mich.
Quaker City Welding Co., 22d & Parkway, Philadelphia, Pa.
Riddell & Son, Ltd., John E., Hamilton, Canada
Ruslander & Son A. S., Buffalo, N. Y.
Russell Boiler Works Co. Jas., Boston, Mass.
Saron J., 1655 42d, Brooklyn, N. Y.
Scaife & Sons Co. Wm. B., 26 Cortlandt, New York
Schaefer Co. Emil, 1320 N 5th, Philadelphia, Pa.
Sholes, Inc., 186 Lafayette, New York
Smith, Drum & Co., Philadelphia, Pa.
Smith & Son Samuel, Paterson, N. J.
Stewart Boiler Works, Worcester, Mass.
Van Noorden & Co. E., Boston, Mass.
Walter Theo. C., Newark, N. J.
Wilson Co. Andrew, Lawrence, Mass.
Wilson Iron Works Wm. H., Rochester, N. Y.

14781—Tanks (Motor Boat)

Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Lacy Mfg. Co., 601 Washington bldg, Los Angeles, Cal.
Mobile Steel Co., Mobile, Ala.
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
Union Tank & Pipe Co., 2801 Santa Fe av, Los Angeles, Cal.

14781a— Tanks (Mounted on Wheels)

Gerdes & Co., 42 Church, New York.
See adv index at end of book
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Leader Iron Works, 2100 N Jasper, Decatur, Ill.
New England Tank & Tower Co., 42 Main, Everett, Mass.
Union Tank & Pipe Co., 2801H Santa Fe av Los Angeles, Cal.

14782— Tanks (Muffle)

Dover Boiler Works, Sales Office, 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
McAlear Mfg. Co., 1901 S Western av, Chicago, Ill.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
Scaife Wm. B. Sons Co., First Natl. Bank bldg, Pittsburgh, Pa.
See adv index at end of book

14783— Tanks (Naptha)

BIGGS BOILER WORKS CO., Case av & Williams, Akron, O
See adv index at end of book
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Hammond Iron Works, Warren, Pa.
See adv index at end of book
Holbrook J. F. Co., 302 N San Pedro, Los Angeles, Cal.
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Lancaster Iron Works, Lancaster, Pa.
Leader Iron Works, 2100 N Jasper, Decatur, Ill.
New Haven Boiler Works Inc., New Haven, Conn.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
Pennsylvania Furnace & Iron Co., 373 Pine, Warren, Pa.
See adv index at end of book
Pittsburgh-Des Moines Steel Co., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Standard Boiler & Plate Iron Co., Niles, O. *See adv index at end of book*
Struthers-Wells Co., Warren, Pa.
Warren City Tank & Boiler Co. (The), Warren, Ohio
See adv index at end of book
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.
Youngstown Boiler & Tank Co., 1054 Mahoning av, Youngstown, O.

14784—Tanks (Oil—Cylindrical)

See also Tanks, Lubricating Oil Storage; also Tanks, Cocoanut Oil Storage

Abendroth & Root Mfg. Co., Newburgh, N. Y. *See adv index at end of book*
Acme Pump & Tank Co., 10 W 44th, New York
AMERICAN CAN CO., 120 Broadway, New York *See adv index at end of book*
American Welding Co., Carbondale, Pa.
Ames W. R. Co., 450H Irwin, San Francisco, Cal.
Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
Bass Foundry & Machine Co., Ft. Wayne, Ind.
Beatrice Steel Tank Mfg. Co. ("Nu-way"), Beatrice, Neb.
Black Sivalls & Bryson, Bartlesville, Okla.
Bovaird & Seyfang Mfg. Co., Bradford, Pa.
Bowser S. F. & Co. (Paint Lubricants), Fort Wayne, Ind.
Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Buckeye Boiler Co. (Underground), 1617 McFain, Dayton, O.
Caldwell W. E. Co. (500 to 100,000 Gallons), Louisville, Ky.
California Boiler Works, 526 Howard, San Fransisco, Cal.
California Steel Products Co., 452H Bay, San Francisco, Cal.
Canton Tank & Mfg. Co., Canton, O.
Casey-Hedges Co., Chattanooga, Tenn.
Chicago Steel Tank Co. (Underground), Cicero, Ill.
Coast Culvert & Flume Co., Col. blvd & Derby, Portland, Ore.

COATESVILLE BOILER WORKS, 111 S 15th, Philadelphia, Pa.
Codd E. J. Co., 700 So. Caroline, Baltimore, Md.
Columbian Steel Tank Co. (Galvanized Steel), New England bldg., Kansas City, Mo.
Columbiana Boiler Co., Columbiana, O.
CONNELLY D. BOILER CO. ("Connelly" Oil Transportation), Ivanhoe rd and N. Y. & St. L. R. R., Cleveland, O.
See adv index at end of book
Connery & Co. Inc., 4000 N 2nd, Phila., Pa. *See adv index at end of book*
Continental Supply Co., Post Dispatch bldg, St. Louis, Mo.
Cox & Sons Co., Water & Hampton, Bridgeton, N. J.
Delphos Mfg. Co. (Non-Overflowing), 1st & Pierce, Delphos, O.
DOVER BOILER WORKS, Sales Office: 40 Church, New York: Works: Dover, N. J. *See adv index at end of book*
Downingtown Iron Wks., East Downingtown, Pa.
Drake-Williams-Mount Co., Omaha, Neb.
DUNDON IRON WORKS, 225 Folsom, San Francisco, Cal.
Farrar & Trefts, Inc., Buffalo, N. Y.
FARRELL MFG. CO., Joliet, Ill.
See adv index at end of book
Flint & Walling Mfg. Co. ("Hoosier"), Kendallville, Ind.
Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*

STEEL STORAGE TANKS
Steel Tanks for Storage of All Commodities. Capacities from 550 gal. Welded to 80,000 Barrel Tanks. Welded Tanks and Station Tanks, both Vertical and Horizontal, with Underwriters' Label if desired. Tanks for Fuel Oil Storage. Field Erected Tanks. Tanks on Towers and General Steel Plate Construction.
GRAVER CORPORATION
4020 Todd Ave., East Chicago, Ind.

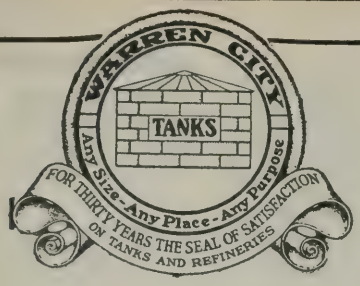
Gunning Boiler & Machine Co., New Bedford, Mass.
Harry Bros. Co. ("Harry's," Corrugated Galvanized Iron), Carr av & I. C. R. R., New Orleans, La.
Hartley Boiler Works, Montgomery, Ala.
Hauser Stander Tank Co. (Hot Oil), Ammen & B. & O. Ry., Cincinnati, O.
See adv index at end of book
Heggie James G. & Sons, Joliet, Ill.
Holan Metal Products Co. The (Light), W 40th & Clark av, Cleveland, O.
Honhorst Jos. Co., 1013 W 6th, Cincinnati, Ohio
Inglis Mfg. Co., 283 5th av., Milwaukee, Wis.
International Boiler Works Co., East Stroudsburg, Pa.
IRON & STEEL CONTRACTING CO., 215 San Bruno av, San Francisco, Cal.
Kewanee Boiler Co., Kewanee, Ill.
Keystone Tank & Boiler Works, Butler, Pa.
Kittoe Boiler & Tank Co. (Inc.), Canton, Ohio
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book

TANKS—Oil
Oil Storage Tanks for oil burning equipment, either underground or gravity feed of any capacity.
L. O. KOVEN & BROTHER, Inc.
154 Ogden Avenue, Jersey City, N. J.

Kraft A. C., 159 W Lake, Chicago, Ill.
Lacy Mfg. Co., 601 Washington bldg, Los Angeles, Cal.
Lally Commercial Body Co., Everett, Mass.
Lappan Jas. Mfg. Co., 20th & Pike, Pittsburgh, Pa.
Leader Iron Works, 2100 N Jasper, Decatur, Ill.
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
Littleford Bros., 444 E Pearl, Cincinnati, Ohio. *See adv index at end of book*
Lindsay W. W. & Co. Inc., Harrison bldg, Phila., Pa.
Lookout Boiler Mfg. Co., Chattanooga, Tenn.
McDermott Bros. Co., Allentown, Pa.
McNamara Bros. Co., Westport, Baltimore, Md.
McNeil Boiler Co., 96 Crozier, Akron, O.
Mader Bros. & Co., Lebanon, Pa.
Main Iron Works, 16th & Daggeth, San Francisco, Cal.
Manitowoc Engineering Works, Manitowoc, Wis.
Meurer Steel Barrel Co. Inc., ("Anchor" Welded Seamless), 23 W 43d, New York
Milwaukee Tank Works, Fratney & Becker, Milwaukee, Wis.
Missouri Boiler & Sheet Iron Works, 23d & Papin, St. Louis, Mo.
Monarch Engineering & Mfg. Co., American bldg, Baltimore, Md.
Morrison Bros., Dubuque, Ia.
Montague Pipe & Steel Co., Hobart bldg., San Francisco, Cal.
National Supply Co. (Fuel Oil Storage), 412 Orleans, Chicago, Ill.
National Tank & Mfg. Co. (From 12 to 25,000 Barrels), 11th & Santa Fe av, Los Angeles, Cal.
National Tank & Pipe Co. ("National Quality") 170 Columbia blvd, Portland, Ore.
See adv index at end of book
New Haven Boiler Works Inc., New Haven, Conn.
New Orleans Roofing & Metal Co. ("Nola"), Cortez & Orleans, New Orleans, La.
New York Central Iron Wks. Co., Inc., Hagerstown, Md.
Novelty Steam Boiler Works, 917 S Howard, Baltimore, Md.
Nugent Wm. W. & Co., 416 N Hermitage, Chicago, Ill.
Ohio Machine & Boiler Co., 1510H University rd, Cleveland, O.
Pacific Tank & Pipe Co. (Wood), 320 Market, San Francisco, Cal.
Parkersburg Rig & Reel Co. (Steel & Wood 65 to 2000 bbl. capacity), Parkersburg, W. Va.
Penna Furnace & Iron Co., 373 Pine, Warren, Pa. *See adv index at end of book*

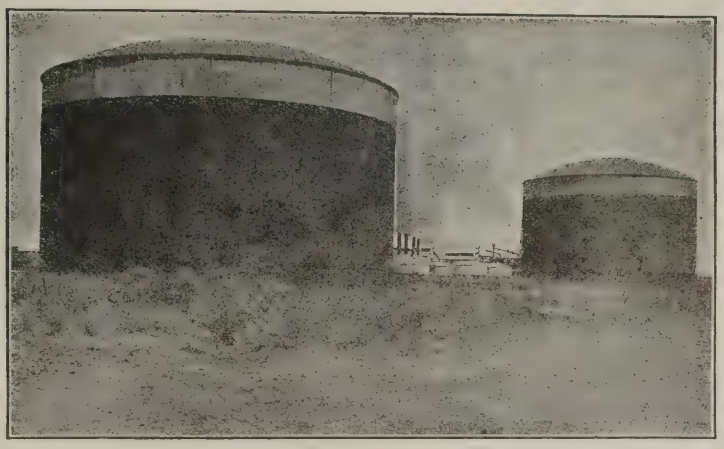
PETROLEUM IRON WORKS CO. OF OHIO, Sharon, Pa.
See adv index at end of book
Pollock Wm. B. Co., Youngstown, O.
Puget Sound Boiler Works, Seattle, Wash.
Quaker City Iron Works, Tioga & Richmond, Phila., Pa.

RACINE BOILER & TANK CO., 1523 Sixteenth, Racine, Wis.
Redwood Mfrs. Co. ("Remco" Cal. Redwood), H, Hobart bldg, San Francisco, Cal.
Reeves Bros. Co. (The), Alliance, O.
See adv index at end of book
Rodgers Boiler & Burner Co., Muskegon, Mich.
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
Runyan Mfg. Co., Grand Rapids, Mich.
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa. & 26 Cortlandt, New York.
See adv index at end of book
Schmook Harry B., Springfield, Mo.
Schofield's J. H. Sons Co., Hammond & Edgewood av, Macon, Ga.



TANKS

any size
any place
any purpose



Complete Oil Refinery Storage Equipment—Made by Pioneers

The WARREN CITY TANK & BOILER Co

WARREN, OHIO

Sexton Can Co. ("Sexton"), 123 Broad, Boston, Mass.

Sharpsville Boiler Works, Sharpsville, Pa.

Shotwell Pump & Tank Co., 21 N Alabama, Indianapolis, Ind.

Skelton Joseph L. Engineering Co., Front, Toledo, O.

Southern Metal Co. Inc., Lake Charles, La.

Spokane Culvert & Tank Co., Spokane, Wash.

STANDARD BOILER & PLATE IRON CO., Niles, O.
See adv index at end of book

Standard Tank Co., 342 Madison av, New York

Star Tank Co. (Galvanized), Goshen, Ind.

Steel Plate Products Co., Pottstown, Pa.

Steel Tank & Pipe Co., H, Corbin sta, Berkeley, Cal.

Steel Tank & Products Corp., 26 N Jefferson, Chicago, Ill.

Struthers-Wells Co., Warren, Pa.

Teachout H. E. Boiler Works, E 37th & Erie R. R., Cleveland, O.

Tippett & Wood, Phillipsburg, N. J.

Tokheim John J. Co., Cedar Rapids, Ia.

Tokheim Oil Tank & Pump Co., Fort Wayne, Ind.

Toledo Metal Manufactures Co. (The), 983-1015 Front, Toledo, Ohio
See adv index at end of book

Topeka Steam Boiler Works, Topeka, Kans.

Trachte Bros. Co., Madison, Wis.

Traylor Engng. & Mfg. Co., Allentown, Pa.

Treadwell Constr. Co., Midland, Pa.

Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.

Tudor Boiler Mfg. Co., 715 E 3d, Cincinnati, O.

Turl Iron & Car Co. (Inc.), The, 50 Broad, New York. Works: Newburgh, N. Y.

Union Boiler & Mfg. Co., Dept. H, Lebanon, Pa.

Union Tank & Pipe Co., 2301 Santa Fe av, Los Angeles, Cal.

Vulcan Iron Works Inc., Hudson & Essex, Jersey City, N. J.

Walsh & Weidner Boiler Co., Chattanooga, Tenn.

WARREN CITY TANK & BOILER CO. (THE), Warren, Ohio
See adv index at end of book

Welded Products Co., 2700H 7th av, Birmingham, Ala.

Welded Steel Barrel Corp., Hart av & Charlevoix, Detroit, Mich.

West Coast Iron & Steel Works, Inc., 3rd & Glisan, Portland, Ore.

Western Blower Co., 1800 9th av S, Seattle, Wash.

Western Drop Forge Co., P. O. Box 386, Marion, Ind.

Western Engineering Corp., Spokane & E Marginal way, Seattle, Wash.

Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.

Western Steel Products Co. (All Kinds), New Duluth, Minn.

14785—Tanks (Oil—Large Field Storage)

American Bridge Co., 30 Church, New York

American Steel Pipe & Tank Co., 608H S Main, Los Angeles, Cal.

BIGGS BOILER WORKS CO., Case av & Williams, Akron, Ohio
See adv index at end of book

CHICAGO BRIDGE & IRON WORKS (This company is the largest builder of large oil storage tanks from 1,000 to 150,000 barrels. We also build fuel oil tanks as small as 25,000 gallons in each of our three plants), 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book

HORTON

Oil storage tanks include the 7 RING 80, 5 RING 55 and smaller flat-bottom tanks

CHICAGO BRIDGE & IRON WORKS
Chicago, 2105 Old Colony Bldg.; New York, 3136 Hudson Terminal Bldg.; Dallas, 1609 Praetorian Bldg.; Atlanta, 1010 Healey Bldg.; San Francisco, 1030 Rialto Bldg.
HORTON STEEL WORKS, LIMITED
Toronto, Ont., 1408 Federal Bldg.; Montreal, Que., 1020 Bank of Toronto Bldg.; Bridgeburg, Ont., 118 Janet St.; Winnipeg, Man., 1209 Galt Bldg.

Granger Co., A. D., 17 Park Row, New York
See adv index at end of book

Graver Corp., 4020 Todd av, E Chicago, Ind.
See adv index at end of book

HAMMOND IRON WORKS, Warren, Pa.
See adv index at end of book

Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.

Lancaster Iron Works ("Lancaster"), 500 S Prince, Lancaster, Pa.

National Tank & Mfg. Co. (From 12 to 25,000 Barrels), 11th & Santa Fe av, Los Angeles, Cal.

PETROLEUM IRON WORKS CO. OF OHIO, Sharon, Pa.

PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book

Riter-Conly Co. (Steel), Oliver bldg, Pittsburgh, Pa.

United Iron Works Inc., 301 Ridge Arcade, Kansas City, Mo.

WARREN CITY TANK & BOILER CO. (THE), Warren, Ohio.
See adv index at end of book

Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

14785a—Tanks (Oil Refinery)

American Steel Pipe & Tank Co., 608H S Main, Los Angeles, Cal.

BIGGS BOILER WORKS CO., Case av & Williams, Akron, Ohio
See adv index at end of book

Butler Mfg. Co., 1324 Grand, Kansas City, Mo.

CHICAGO BRIDGE & IRON WORKS, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book

Graver Corp., 4020 Todd av, E Chicago, Ind.
See adv index at end of book

HAMMOND IRON WORKS, Warren, Pa.

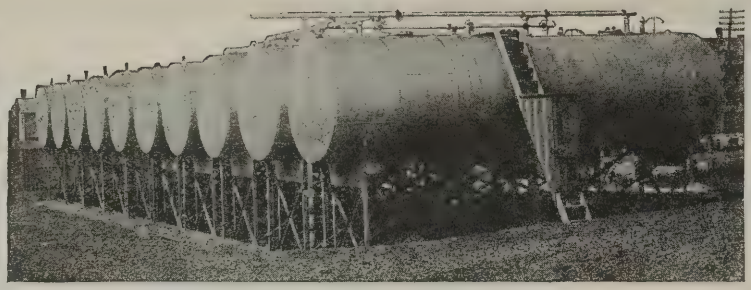
Kellogg M. W. (Welded), 90 West, New York
See adv index at end of book

OCEAN SHORE IRON WORKS, 550 8th, San Francisco, Cal.

(Continued on following page)

P.I.W. STEEL PLATE CONSTRUCTION

TANKS
Vertical



P.I.W. STEEL PLATE CONSTRUCTION

TANKS
Horizontal

IN ANY SIZE, FOR EVERY PURPOSE

THE PETROLEUM IRON WORKS COMPANY
Iron Street, Sharon, Pa.

NEW YORK ST. LOUIS TULSA HOUSTON SAN FRANCISCO

Tanks (Oil Refinery)—Continued

PETROLEUM IRON WORKS CO. OF OHIO, Sharon, Pa.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
STANDARD BOILER & PLATE IRON CO., Niles, Ohio
See adv index at end of book
United Iron Works Inc., 301 Ridge Arcade, Kansas City, Mo.
WARREN CITY TANK & BOILER CO. (THE), Warren, Ohio.
See adv index at end of book
Youngstown Boiler & Tank Co., 1054 Mahoning av, Youngstown, Ohio

14785b— Tanks (Paint)

Racine Boiler & Tank Co., 1523 Sixteenth, Racine, Wis.

14786— Tanks (Pickling)

Acme Tank Co., 43 Cortland, New York
See adv index at end of book
Corcoran A. J. Inc., 745 Jersey av, Jersey City, N. J.
See adv index at end of book
EAGLE TANK CO., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Hammond Iron Works, Warren, Pa.
See adv index at end of book
HAUSER STANDER TANK CO. (Wood), Ammen & B. & O. Ry., Cincinnati, O.
See adv index at end of book
NATIONAL TANK & PIPE CO. ("National Quality"), 170 Columbia blvd, Portland, Ore.
See adv index at end of book
WENDNAGEL & CO., 620 S 22nd, Chicago

14787—Tanks (Pneumatic Water)

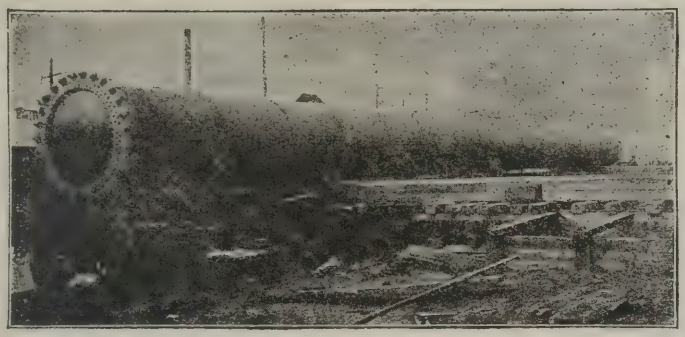
Andrews Heating Co., 2529 University av S E, Minneapolis, Minn.
Augustine T. C., St. Joseph, Mo.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
Beckman Bros., Des Moines, Ia.
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Bovaird & Seyfang Mfg. Co., Bradford, Pa.
Bremen Mfg. Co., Bremen, O.
Buckeye Boiler Co., Dayton, O.
California Boiler Works, 526 Howard, San Francisco, Cal.
Case W. A. & Sons Mfg. Co., Buffalo, N. Y.
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
DOVER BOILER WORKS, Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Dundon Iron Works, 225 Folsom, San Francisco, Cal.
Erwin & Co., 3736 Cottage Grv av, Chicago, Ill.
Fleming Mfg. Co., 411 Neal, New Castle, Pa.
Ft. Wayne Engng. & Mfg. Co., Ft. Wayne, Ind.
Granger Co. A. D., 17 Park Row, New York
See adv index at end of book
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Hamburg Boiler Works, Hamburg, Pa.
Harris Pump & Supply Co., 318 Second av, Pittsburgh, Pa.
See adv index at end of book
Hartley Boiler Works, Montgomery, Ala.
Heil Co. ("Quality"), 1270 1300 26th av, Milwaukee, Wis.
Heller-Aller Co., Napoleon, O.
Heltzel Steel Form & Iron Co. (The), Warren, O.
See adv index at end of book
Hercules Steel Products Co., 227 Bay, San Francisco, Cal.
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
International Boiler Works Co., East Stroudsburg, Pa.
Iron & Steel Contracting Co., 215 San Bruno av, San Francisco, Cal.
Kelly Mfg. Co., Bucyrus, O.
Kewanee Private Utilities Co. ("Kewanee"), West Side, Kewanee, Ill.
Lacy Mfg. Co., 601 Washington bldg, Los Angeles, Cal.
Lancaster Iron Works ("Lancaster"), 500H Prince, Lancaster, Pa.
Lappan Jas. Mfg. Co., 26th & Pike, Pittsburgh, Pa.
Leader Iron Works, 2100 N Jasper, Decatur, Ill.
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
McNamara Bros. Co., Westport, Baltimore, Md.
Mader Bros. & Co., Lebanon, Pa.
Manitowoc Engineering Works, Manitowoc, Wis.
Michelmann Steel Construction Co., Quincy, Ill.
Milwaukee Reliance Boiler Works, 1102 32d, Milwaukee, Wis.
Missouri Boiler & Sheet Iron Works, 23d Papin, St. Louis, Mo.
Morrison Bros., Dubuque, Ia.
National Steel Tank & Mfg. Co., Bradford, Ill.
New Haven Boiler Works Inc., New Haven, Conn.
NOVELTY STEAM BOILER WORKS, 917 S Howard, Baltimore, Md.
Ohio Machine & Boiler Co., 1510H University rd, Cleveland, O.
Pacific Pump & Supply Co. (Jobber) 853 Folsom, San Francisco, Cal.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Quaker City Iron Works, Tioga & Richmond, Phila, Pa.
Roberts-Hamilton Co., 413 S 4th, Minneapolis, Minn.
Sanitary Co., Dept. H, Linfield, Pa.
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., and 26 Cortlandt, New York
See adv index at end of book
Steel Tank & Products Corp., 26 N Jefferson, Chicago, Ill.
Tippett & Wood, Phillipsburg, N. J.
Toledo Metal Manufactures Co. (The), 983-1015 Front, Toledo, Ohio.
See adv index at end of book
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Western Blower Co., 1800 9th av S, Seattle, Wash.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Westinghouse Air Brake Co., Pitts., Pa.
Wilks S. Mfg. Co., 3517 Shields av, Chicago, Ill.
Wood John Mfg. Co., Dept. H, Conshohocken, Pa.

14788—Tanks (Pressed Steel)

Federal Pressed Steel Co., Keefe av & Pierce, Milwaukee, Wis.
HELTZEL STEEL FORM & IRON CO. THE, Warren, O.
See adv index at end of book
Lacy Mfg. Co., 601 Washington bldg, Los Angeles, Cal.
PRESSED STEEL TANK CO. (High Pressure), 58th & Greenfield av, West Allis, Milwaukee, Wis.
See adv index at end of book
PREST-O-LITE CO. INC. (THE), 30 E 42nd, New York
See adv index at end of book
Standard Boiler & Plate Iron Co., Niles, O. *See adv index at end of book*
Standard Tank Car Co., Sharon, Pa.
Union Tank & Pipe Co., 2301 Santa Fe av, Los Angeles, Cal.

14789— Tanks (Pressure)

ABENDROTH & ROOT MFG. CO., Newburgh, N. Y. *See adv index at end of book*
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Welding Co. (Seamless Welded, For High Pressure), Carbondale, Pa.
Andrews Heating Co. (Pneumatic), Minneapolis, Minn.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
Bass Foundry & Machine Co., Ft. Wayne Ind.
Beckman Bros., Des Moines, Ia.
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Bovaird & Seyfang Mfg. Co., Bradford, Pa.
Brownell Co., Dayton, O.
Buckeye Boiler Co., Dayton, O.
Case W. A. & Sons Mfg. Co., 31 Main, Buffalo, N. Y.
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Coast Culvert & Flume Co., Col. blvd & Derby, Portland, Ore.
Cole R. D. Mfg. Co., Newnan, Ga.
Coleman Lamp Co. (For Gasoline & Kerosene Burners), Dept. H, Wichita, Kans.
Columbiana Boiler Co., Columbiana, O.
Cox & Sons Co., Water & Hampton, Bridgeton, N. J.
DOVER BOILER WORKS, Sales Office, 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Downingtown Iron Works, East Downingtown, Pa.
Drake-Williams-Mount Co., Omaha, Neb.
Dundon Iron Works, 225 Folsom, San Francisco, Cal.
East Jersey Pipe Corp., Paterson, N. J.
Federal Pressed Steel Co., Keefe av & North Pierce, Milwaukee, Wis.
Fleming Mfg. Co., 411 Neal, New Castle, Pa.
Flint & Walling Mfg. Co. ("Hoosier"), Kendallville, Ind.
Franklin Machine & Steam Boiler Works, 88 Quay, Brooklyn, N. Y.
Freeman Mfg. Co., Racine, Wis.
See adv index at end of book
Gerdes & Co., 42 Church, New York
See adv index at end of book
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Greenspon's Jos. Sons Iron & Steel Co. (Second Hand), 67 Branch, St. Louis, Mo.
Hamler Boiler & Tank Co., Dept. H, W 66th & 60th av, Chicago, Ill.
HAMMOND IRON WORKS, Warren, Pa.
See adv index at end of book
Hartley Boiler Works, Montgomery, Ala.
Heil Co. ("Quality"), 1270 1300 26th av, Milwaukee, Wis.
Heltzel Steel Form & Iron Co. (The), Warren, O. *See adv index at end of book*
Hercules Steel Products Co., 227 Bay, San Francisco, Cal.



TANKS ANY SIZE FOR IMMEDIATE SHIPMENT AND ERECTION UP TO 80,000 BARREL CAPACITY. CREOSOTING CYLINDERS, ROTARY CEMENT KILNS, COOLERS AND DRYERS. REFINERIES COMPLETE. SEND US YOUR INQUIRIES. WE CAN FURNISH EITHER KNOCKED DOWN OR ERECTED. GIVE US A TRIAL.

THE REEVES BROTHERS CO.
ALLIANCE, OHIO

Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Hydro-Carbon Light Co., 2404 1st av, Seattle, Wash.
International Boiler Works Co., East Stroudsburg, Pa.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Iowa Steel & Iron Works, Cedar Rapids, Iowa
Iron & Steel Contracting Co., 215 San Bruno av, San Francisco, Cal.
Janney, Steinmetz Co., 30 Church, New York
Johnson & Thompson, Birmingham, Ala.
Kewanee Boiler Co., Kewanee, Ill.
Keystone Tank & Boiler Works, Butler, Pa.
Kittoe Boiler & Tank Co. (Inc.), Canton, O.
Kraft A. C., 159 W Lake, Chicago, Ill.
Lacy Mfg. Co., 601 Washington bldg, Los Angeles, Cal.
Lake Erie Boiler Works, 419 Gates av, Buffalo, N. Y.
Lancaster Iron Works ("Lancaster"), 500H Prince, Lancaster, Pa.
Lappan Jas. Mfg. Co., 20th & Pike, Pittsburgh, Pa.
Leader Iron Works, 2100 N Jasper, Decatur, Ill.
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
Leslie Elliott & Co., Paterson, N. J.
Lindsay W. W. & Co. Inc., Harrison bldg, Phila., Pa.
Littleford Bros., 444 E Pearl, Cincinnati, O. *See adv index at end of book*
Lookout Boiler Mfg. Co., Chattanooga, Tenn.
McAleenan Bros. Co., 25th & A. V. R. R., Pittsburgh, Pa.
McDermott Bros. Co., Allentown, Pa.
McNamara Bros. Co., Westport, Baltimore, Md.
Mader Bros. & Co., Lebanon, Pa.
Michelmann Steel Construction Co., Quincy, Ill.
Milwaukee Reliance Boiler Works, 1102 32d, Milwaukee, Wis.
Missouri Boiler & Sheet Iron Works, 23d & Papin, St. Louis, Mo.
Muskegon Boiler Works, Muskegon, Mich.
Nagle Engine & Boiler Works, Erie, Pa.
Nashville Bridge Co., Nashville, Tenn.
National Steel Constr. Co., 425 Frontenac, Seattle, Wash.
National Steel Tank & Mfg. Co., Bradford, Ill.
New Haven Boiler Works Inc., New Haven, Conn.
New York Central Iron Works Co., Inc., Hagerstown, Md.
Novelty Steam Boiler Works, 917 S Howard, Baltimore, Md.
Ocean Shore Iron Works, 550 8th, San San Francisco, Cal.
Ohio Machine & Boiler Co., 1510 University rd, Cleveland, Ohio
Petroleum Iron Works Co. of Ohio, Sharon, Pa.
See adv index at end of book
Phoenix Iron Works Co., Meadville, Pa.
Pittsburgh-Des Moines Steel Co., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
PRESSED STEEL TANK CO. (Seamless Steel), 58th & Greenfield av, West Allis, Milwaukee, Wis.
See adv index at end of book
Puget Sound Sheet Metal Works, 3631 E Marginal way, Seattle, Wash.
Quaker City Iron Works, Tioga & Richmond, Phila., Pa.
Racine Boiler & Tank Co., 1523 Sixteenth, Racine, Wis.
REEVES BROS. CO. THE, Alliance, O.
See adv index at end of book
Rodgers Boiler & Burner Co., Muskegon, Mich.
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
SCAIFE WM. B. & SONS CO., First Nat'l Bk. bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
Sharpsville Boiler Works, Sharpsville, Pa.
Sholes, Inc., 186 Lafayette, New York
Skelton Joseph L. Engineering Co., Front, Toledo, O.
Smith Samuel & Son Co., Paterson, N. J.
Smith Theo. & Sons Co., ft of Essex, Jersey City, N. J.
Sotter Bros., Pottstown, Pa.
Southern Boiler & Tank Works, 1275 Thomas, Memphis, Tenn.
Standard Boiler & Plate Iron Co., Niles, O. *See adv index at end of book*
Standard Tank Co., 342 Madison av, New York
Steel Plate Products Co., Pottstown, Pa.
Steel Tank & Pipe Co., H, Corbin sta, Berkeley, Cal.
Steel Tank & Products Corp., 26 N Jefferson, Chicago, Ill.
Struthers-Wells Co., Warren, Pa.
Tippett & Wood, Phillipsburg, N. J.
Topeka Steam Boiler Works, Topeka, Kans.
Treadwell Constr. Co., Midland, Pa.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
Tudor Boiler Mfg. Co., 715 E 3d, Cincinnati, O.
Union Boiler & Mfg. Co., Dept. H, Lebanon, Po.
Union Tank & Pipe Co., 2801 Santa Fe av, Los Angeles, Cal.
Vulcan Iron Works Inc., Hudson & Essex, Jersey City, N. J.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
WARREN CITY TANK & BOILER CO. (THE), Warren, Ohio
See adv index at end of book
Welded Steel Barrel Corp., Hart av & Charlevoix, Detroit, Mich.
Western Blower Co., 1800 9th av S, Seattle, Wash.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Wheeling Steel Corp., Wheeling, W. Va.
Wilks S. Mfg. Co., 3517 Shields av, Chicago, Ill.
Wilson Iron Works Wm. H., Rochester, N. Y.
Wood John Mfg. Co. (Electric Welded, Conshohocken, Pa.

HACKNEY Seamless Steel Pressure Tanks

Made from single piece of open hearth steel, pressed and cold-drawn to a seamless shell of the required size and metal thickness. Threaded openings made from drop forged steel rings welded in place where desired, reamed, faced and tapped.

Sizes range from 15 gal., 12" x 30" to 65 gal., 18" x 60" for 250 lbs. working pressure and to 80 gal., 20" x 60" for 200 lbs. working pressure; to comply with A.S.M.E. and local legal specifications.

Blue prints and specifications on request.

PRESSED STEEL TANK CO.
West Allis Milwaukee, Wis.

14789a— Tanks (Pulp)

ACME TANK COMPANY (Wood), 43 Cortlandt, New York
See adv index at end of book
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Connery & Co. Inc., 4000 N 2nd, Phila., Pa.
See adv index at end of book
Corcoran A. J. Inc., 745 Jersey av, Jersey City, N. J.
See adv index at end of book
Eagle Tank Co., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Graver Corp., 4020 Todd av, East Chicago, Ind. *See adv index at end of book*
Hauser Stander Tank Co. (Wood), Ammen & B. & O. Ry, Cincinnati, O.
See adv index at end of book
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Leader Iron Works, 2100 N Jasper, Decatur, Ill.
National Tank & Pipe Co. ("National Quality"), 170 Columbia blvd, Portland, Ore. *See adv index at end of book*
Sharpsville Boiler Works, Sharpsville, Pa.
Steel Plate Products Co., Pottstown, Pa.
Traylor Engineering & Mfg. Co., Allentown, Pa.
Woolford G. Wood Tank Mfg. Co., 72nd & Woodland, Phila., Pa.
See adv index at end of book

14790—Tanks (Railroad Water)

ACME TANK COMPANY (Wood), 43 Cortland, New York
See adv index at end of book
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Bovaird & Seyfang Mfg. Co., Bradford, Pa.
Caldwell W. E. Co., Louisville, Ky.
Challenge Co., Batavia, Ill.
CHICAGO BRIDGE & IRON WORKS, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Cole R. D. Mfg. Co., Newnan, Ga.
Columbiana Boiler Co., Columbiana, O.
Connery & Co. Inc., 4000 N 2nd, Phila., Pa.
See adv index at end of book
Corcoran A. J. Inc., 745 Jersey av, Jersey City, N. J.
See adv index at end of book
Cox & Sons Co., Water & Hampton, Bridgeton, N. J.
DOVER BOILER WORKS, Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Dundon Iron Works, 225 Folsom, San Francisco, Cal.
EAGLE TANK CO., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Fleming Mfg. Co., 411 Neal, New Castle, Pa.
Graver Corp., 4020 Todd av, East Chicago, Ind. *See adv index at end of book*
Hammond Iron Works, Warren, Pa.
See adv index at end of book
Handlan-Buck Mfg. Co. (All Sizes), 210 N 3rd, St. Louis, Mo.
Hartley Boiler Works, Montgomery, Ala.
HAUSER STANDER TANK CO. (Wood), Ammen & B. & O. Ry, Cincinnati, O.
See adv index at end of book
Heggie James G. & Sons, Joliet, Ill.
Heine Chimney Co., The, (Reinforced Concrete), 123 W Madison, Chicago, Ill.
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Johnson & Thompson, Birmingham, Ala.
Kalamazoo Ry. Supply Co., Kalamazoo, Mich.
Kittoe Boiler & Tank Co., Inc., Canton, O.
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Lacy Mfg. Co., 601 Washington bldg, Los Angeles, Cal.

(Continued on following page)

Tanks (Railroad Water)—Continued

Leader Iron Works, 2100 N Jasper, Decatur, Ill.
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
Lookout Boiler Mfg. Co., Chattanooga, Tenn.
McNamara Bros. Co., Westport, Baltimore, Md.
Mader Bros. & Co., Lebanon, Pa.
NATIONAL TANK & PIPE CO. ("National Quality"), 170 Columbia blvd, Portland, Ore.
See adv index at end of book
New Haven Boiler Works Inc., New Haven, Conn.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
PACIFIC TANK & PIPE CO., 320 Market, San Francisco, Cal.
Pennsylvania Furnace & Iron Co., 373 Pine, Warren, Pa. ..
See adv index at end of book
Petroleum Iron Works Co. of Ohio, Sharon, Pa.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Redwood Mfrs. Co. ("Remco"), H, Hobart bldg, San Francisco, Cal.
Reeves Bros Co. (The), Alliance, O.
See adv index at end of book
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
SCAIFE WM. B. & SONS CO., First National Bank bldg., Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
Standard Boiler & Plate Iron Co., Niles, O. *See adv index at end of book*
Southern Boiler & Tank Works, 1275 Thomas, Memphis, Tenn.
Standard Tank Car Co., Sharon, Pa.
Steel Plate Products Co., Pottstown, Pa.
Tippett & Wood, Phillipsburg, N. J.
Treadwell Construction Co., Midland, Pa.
Warren City Tank & Boiler Co. (The), Warren, Ohio
See adv index at end of book
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Weyerhaeuser Timber Co., Everett, Wash.

14790a—Tanks (Rectangular)

ACME TANK COMPANY (Wood), 43 Cortlandt, New York
See adv index at end of book
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
Biggs Boiler Works Co., Case av & Williams, Akron, O.
See adv index at end of book
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Charleston Iron Works, Charleston, S. C.
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Connery & Co. Inc., 4000 N 2nd, Phila., Pa.
See adv index at end of book
EAGLE TANK CO., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Fleming Mfg. Co., 411 Neal, New Castle, Pa.
Granger Co. A. D., 17 Park Row, New York *See adv index at end of book*
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
HAUSER STANDER TANK CO. (Wood), Ammen & B. & O. Ry, Cincinnati, O.
See adv index at end of book
Heltzel Steel Form & Iron Co. The, Warren, O.
See adv index at end of book
Honhorst Jos. Co., 1018 W 6th, Cincinnati, Ohio
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Lacy Mfg. Co., 601 Washington bldg, Los Angeles, Cal.
Lancaster Iron Works, Lancaster, Pa.
Leader Iron Works, 2100 N Jasper, Decatur, Ill.
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
Mader Bros. & Co., Lebanon, Pa.
National Tank & Pipe Co. ("National Quality"), 170 Columbia blvd., Portland, Ore. *See adv index at end of book*
New England Tank & Tower Co., 42 Main, Everett, Mass.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
Novelty Steam Boiler Works, 917 S Howard, Baltimore, Md.
Pacific Tank & Pipe Co., 320 Market, San Francisco, Cal.
Penna Furnace & Iron Co., 373 Pine, Warren, Pa. *See adv index at end of book*
Quaker City Iron Works, Tioga & Richmond, Phila., Pa.
Sharpsville Boiler Works, Sharpsville, Pa.
Standard Boiler & Plate Iron Co., Niles, O. *See adv index at end of book*
Steel Plate Products Co., Pottstown, Pa.
Steel Tank & Products Corp., 26 N Jefferson, Chicago, Ill.
Struthers-Wells Co., Warren, Pa.
Traylor Engineering & Mfg. Co., Allentown, Pa.
Union Boiler & Mfg. Co., Dept. H, Lebanon, Pa.
Wendnagel & Co., 620 S 22nd, Chicago, Ill.
Woolford G. Wood Tank Mfg. Co., 72nd & Woodland, Phila., Pa.
See adv index at end of book

14790b—Tanks (Redwood)

See also Tanks (Wood)

Acme Tank Co., 43 Cortlandt, New York
See adv index at end of book
Eagle Tank Co., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Herbert, Vogel & Mark Co. Inc., 18th & Indiana, San Francisco, Cal.
National Tank & Pipe Co. ("National Quality"), 170 Columbia blvd, Portland, Ore. *See adv index at end of book*
New England Tank & Tower Co., 42 Main, Everett, Mass.
Pacific Mfg. Co., Santa Clara, Cal.
Pacific Tank & Pipe Co., 320 Market, San Francisco, Cal.
Redwood Mfrs. Co., Hobart bldg, San Francisco, Cal.

14790c—Tanks (Refrigerator)

RACINE BOILER & TANK CO., 1523 Sixteenth, Racine, Wis.

14790d—Tanks (Reinforced Concrete)

Folwell-Ahlskog Co., McCormick bldg, Chicago, Ill.
Heine Chimney Co., The, 123 W Madison, Chicago, Ill.
Johnson & Thompson, Birmingham, Ala.

14791— Tanks (Rendering)

Allbright-Nell Co., 5315 Western av, Chicago, Ill.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Bovaird & Seyfang Mfg. Co., Bradford, Pa.
Brecht Co. (For Lard, Tallow, etc), 1201 Cass av, St. Louis, Mo.
Caldwell W. E. Co., Louisville, Ky.
Cambridge Iron Works, Cambridge, Mass.
Columbiana Boiler Co., Columbiana, O.
Connery & Co. Inc., 4000 N 2nd, Phila., Pa.
See adv index at end of book
Corcoran A. J. Inc., 745 Jersey av, Jersey City, N. J.
See adv index at end of book
DAYTON BEATER & HOIST CO., 24 N Canal, Dayton, O.
Dover Boiler Works, Sales Offices: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Eagle Tank Co., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Fleming Mfg. Co., 411 Neal, New Castle, Pa.
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Hammond Iron Works, Warren, Pa.
See adv index at end of book
Hartley Boiler Works, Montgomery, Ala.
Heggie James G. & Sons Inc., Joliet, Ill.
Heller-Aller Co. (For Lard, Tallow, etc), Napoleon, O.
Heltzel Steel Form & Iron Co. The, Warren, O.
See adv index at end of book
Honhorst Jos. Co., 1018 W 6th, Cincinnati, Ohio
Kellogg M. W. Co. (Welded), 90 West, New York *See adv index at end of book*
Kittoe Boiler & Tank Co., Inc., Canton, O.
Lacy Mfg. Co., 601 Washington bldg, Los Angeles, Cal.
Lancaster Iron Works ("Lancaster"), 500 S Prince, Lancaster, Pa.
Lappan Jas. Mfg. Co., 20th & Pike, Pittsburgh, Pa.
Leader Iron Works, 2100 N Jasper, Decatur, Ill.
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
Leslie Elliott & Co., Paterson, N. J.
Littleford Bros., 444 E Pearl, Cincinnati, O. *See adv index at end of book*
Lookout Boiler Mfg. Co., Chattanooga, Tenn.
McDermott Bros. Co., Allentown Pa.
McNamara Bros. Co., Westport, Baltimore, Md.
Manitowoc Engineering Works, Manitowoc, Wis.
Missouri Boiler & Sheet Iron Works, 23d & Papin, St. Louis, Mo.
Murray Iron Works Co., Burlington, Iowa
National Tank & Pipe Co. ("National Quality"), 170 Columbia blvd, Portland, Ore. *See adv index at end of book*
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
Novelty Steam Boiler Works, 917 S Howard, Baltimore, Md.
Ohio Machine & Boiler Co., 1510H University rd, Cleveland, O.
Oil & Waste Saving Machine Co., Real Estate Trust bldg, Phila., Pa.
See adv index at end of book
Pennsylvania Furnace & Iron Co., 373 Pine, Warren, Pa.
See adv index at end of book
Petroleum Iron Works Co. of Ohio, Sharon, Pa.
See adv index at end of book
Phoenix Iron Works Co., Meadville, Pa.
Quaker City Iron Works, Tioga & Richmond, Phila., Pa.
Reeves Bros Co. (The), Alliance, O.
See adv index at end of book
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
Sharpsville Boiler Works, Sharpsville, Pa.
Skelton Joseph L. Engineering Co., Front, Toledo, O.
Smith Samuel & Son Co., Paterson, N. J.
Southern Boiler Works, Belleville, Ill.
Standard Boiler & Plate Iron Co., Niles, O. *See adv index at end of book*
Steel Plate Products Co., Pottstown, Pa.
Struthers-Wells Co., Warren, Pa.
Tippett & Wood, Phillipsburg, N. J.
Topeka Steam Boiler Works, Topeka, Kans.
Treadwell Construction Co., Midland, Pa.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
Tudor Boiler Mfg. Co., 715 E 3d, Cincinnati, O.
Union Iron Works, Hoboken, N. J.
Vulcan Iron Works, Inc., Hudson & Essex, Jersey City, N. J.
Warren City Tank & Boiler Co. (The), Warren, Ohio
See adv index at end of book
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

14791a— Tanks (Riveted)

Beckley Perforating Co., Garwood, N. J.
Biggs Boiler Works Co., Case av & Williams, Akron, O.
See adv index at end of book
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Connery & Co. Inc., 4000 N 2nd, Phila., Pa.
See adv index at end of book
Dollinger John Jr., Inc. (Steel), Beaumont, Tex.
Dravo Contracting Co., 1100 Diamond Bank bldg, Pittsburgh, Pa.
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Hardesty R. Mfg. Co., 3063 Blake, Denver, Colo.
Home Industry Iron Works, 206 N Water, Mobile, Ala.
Honhorst Jos. Co., 1018 W 6th, Cincinnati, Ohio
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Keystone Tank & Boiler Works, Butler, Pa.
Lacy Mfg. Co., 601 Washington bldg, Los Angeles, Cal.
Lasker & Minck, 53 Park pl, New York
Lebanon Boiler Works, Lebanon, Pa.
Mobile Steel Co., Mobile, Ala.
New Haven Boiler Works Inc., New Haven, Conn.
New York Central Iron Wks. Co. Inc. (Steel), Dept. H, Hagerstown, Md.
Novelty Steam Boiler Works, 917 S Howard, Baltimore, Md.
Ocean Shore Iron Works, 550 8th, San Francisco, Cal.
Penna Furnace & Iron Co., 373 Pine, Warren, Pa. *See adv index at end of book*
Scaife Wm. B. & Sons Co., 1st Nat. Bk. bldg, Pittsburgh, Pa.
See adv index at end of book
Sharpsville Boiler Works, Sharpsville, Pa.
Southern Boiler Works, Belleville, Ill.
Standard Boiler & Plate Iron Co., Niles, O. *See adv index at end of book*
Steel Plate Products Co., Pottstown, Pa.
Steel Tank & Pipe Co., Corbin Station, Berkeley, Cal.
Steel Tank & Products Corp., 26 N Jefferson, Chicago, Ill.
Struthers-Wells Co., Warren Pa.
Tippet & Wood, 162 Howard, Phillipsburg, N. J.
Union Boiler & Mfg. Co., Dept. H, Lebanon, Pa.
Union Tank & Pipe Co., 2801 Santa Fe av, Los Angeles, Cal.
Walsh & Weidner Boiler Co., W Main & Ash, Chattanooga, Tenn.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

14792— Tanks (Rubber Cement)

Eagle Tank Co., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
BIGGS BOILER WORKS CO., Case av. & Williams, Akron, O.
See adv index at end of book
Bowser S. F. & Co., Dept. H, Ft. Wayne, Ind.
Graver Corp., 4150 Todd av, East Chicago, Ind. *See adv index at end of book*
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.

14792a—Tanks (Rubber Lined)

Eagle Tank Co., 2443 N Crawford av, Chicago
See adv index at end of book
HAUSER-STANDER TANK CO., Ammen & B. & O. Ry, Cincinnati, O.
See adv index at end of book

14793—Tanks (Sand Storage)

BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Connery & Co. Inc., 4000 N 2nd, Phila., Pa.
See adv index at end of book
CRAINE SILO CO., INC., 27 Sheldon, Norwich, N. Y.
See adv index at end of book
DOVER BOILER WORKS, Sales Office, 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Hammond Iron Works, Warren, Pa.
See adv index at end of book
Honhorst Jos. Co., 1018 W 6th, Cincinnati, Ohio
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Johnson & Thompson, Birmingham, Ala.
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Leader Iron Works, 2100 N Jasper, Decatur, Ill.
Littleford Bros., 444 E Pearl, Cincinnati, O. *See adv index at end of book*
New Haven Boiler Works Inc., New Haven, Conn.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
Pennsylvania Furnace & Iron Co., 373 Pine, Warren, Pa.
See adv index at end of book
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Steel Plate Products Co., Pottstown, Pa.
Traylor Engineering & Mfg. Co., Allentown, Pa.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

14793a—*Tanks (Seamless One-Piece Glass Enameled)

Elyria Enameled Products Co., Elyria, O.

14794-5—Tanks (Seamless Steel)

Chicago Bridge & Iron Works, 2105 Transportation bldg, Chicago, Ill.
See adv index at end of book
Elyria Enameled Products Co. (Vitreous Enameled), Elyria, O.
Meurer Steel Barrel Co. Inc. ("Anchor" Brand Seamless), 23 W 43d, New York
National Tube Co., Frick bldg, Pittsburgh, Pa.
PRESSED STEEL TANK CO. (High Pressure), 58th & Greenfield av, West Allis, Milwaukee, Wis.
See adv index at end of book
Traylor Engineering & Mfg. Co., Allentown, Pa.

14796-7— Tanks (Sectional)

Butler Mfg. Co., 1228 Eastern av, Kansas City, Mo.
California Boiler Works, 526 Howard, San Francisco, Cal.
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Manitowoc Engineering Works, Manitowoc, Wis.
Pennsylvania Furnace & Iron Co., 373 Pine, Warren, Pa.
See adv index at end of book
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Steel Plate Products Co., Pottstown, Pa.
Stuart & Peterson Co. (Porcelain Lined or Plain Iron), Burlington, N. J.

14798—Tanks (Septic, for Sewage Disposal)

Andrews Heating Co. (Steel), Minneapolis, Minn.
Aten Sewage Disposal Co., 286 5th av, New York *See adv index at end of book*
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Blackmer & Post Pipe Co. (Salt Glazed Vitrified), Boatmen's Bank bldg, St. Louis, Mo.
Cement Products Co., Wilmington, N. C.
Chattanooga Sewer Pipe Works, W 11th & Cross, Chattanooga, Tenn.
Chemical Toilet Corp., 2626 S Salina, Syracuse, N. Y.
Columbus Sewer Pipe Co., Columbus, Ga.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Kaustine Co. Inc., H, Niagara Life bldg, Buffalo, N. Y.
Macomb Sewer Pipe Co., Macomb, Ill.
Macon Sewer Pipe Works, Macon, Ga.
New Haven Boiler Works Inc., New Haven, Conn.
Ogden Sewer Pipe & Clay Co., Ogden, Utah
Roberts-Hamilton Co., 413 S 4th, Minneapolis, Minn.
San Antonio Sewer Pipe Works, San Antonio, Texas
Standard Cement Construction Co., Inc. ("Standard"), Castle Hayne Road, Wilmington, N. C.
Standard Sewer Pipe Works, Rome, Ga.
Steel Plate Products Co., Pottstown, Pa.
Structural Slate Co., The (With Natural Slate Blackboard Co., Pen Argyl), 101 Marietta, Pen Argyl, Pa.
See adv index at end of book
Texarkana Pipe Works, Texarkana, Tex.

14799—Tanks (Settling & Pulp Thickening)

Acme Tank Co., 43 Cortlandt, New York
See adv index at end of book
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Eagle Tank Co., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Hauser Stander Tank Co., Ammen & B. & O Ry, Cincinnati, O.
See adv index at end of book
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Lancaster Iron Works ("Lancaster "Settling" Only), 500H S Prince, Lancaster, Pa.
Leader Lron Works, 2100 N Jasper, Decatur, Ill.
Manitowoc Engineering Works, Manitowoc, Wis.
National Tank & Pipe Co. ("National Quality"), 170 Columbia blvd, Portland, Ore. *See adv index at end of book*
New England Tank & Tower Co., 42 Main, Everett, Mass.
New Haven Boiler Works Inc., New Haven, Conn.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
Pacific Tank & Pipe Co., 320 Market, San Francisco, Cal.
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Steel Plate Products Co., Pottstown, Pa.
Woolford G. Wood Tank Mfg. Co., 72nd & Woodland, Phila., Pa.
See adv index at end of book

14800—Tanks (Sheep Dipping)

BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Caldwell W. E. Co., Louisville, Ky.
Chicago Steel Tank Co., Cicero, Ill.
Eagle Tank Co., 2443 N Crawford av, Chicago, Ill. *See adv index at end of book*
Edwards Mfg. Co., Cincinnati, O.
See adv index at end of book
Graver Corp., 4020 Todd av, East Chicago, Ind. *See adv index at end of book*
Heltzel Steel Form & Iron Co. (The), Warren, Ohio
See adv index at end of book
Nebraska & Iowa Steel Tank Co. (Galvanized Steel), Omaha, Neb.
New Haven Boiler Works Inc., New Haven, Conn.
Pennsylvania Furnace & Iron Co., 373 Pine, Warren, Pa.
See adv index at end of book
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
Spokane Culvert & Tank Co., Spokane, Wash.
Star Tank Co. (Galvanized), Goshen, Ind.
Steel Plate Products Co., Pottstown, Pa.
Welded Steel Barrel Corp., 11800 Charlevoix av, Detroit, Mich.

14801—Tanks (Sheet Metal, Elevated)

Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
Butler Co., Butler, Ind.
Challenge Co., Batavia, Ill.
Church, Stephen B., Seymour, Conn.
Harry Brothers Co. ("K. D." & "Harry's"), Carrollton & I. C. R. R., New Orleans, La.
Heller-Aller Co., Napoleon, Ohio
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.
Mitchell-Tappen Co., 16 John, New York
Mobile Steel Co., Knox & Conception, Mobile, Ala.
U. S. Wind Engine & Pump Co., Water, Batavia, Ill.

Tanks (Slate)

See Slate Tanks

14802— Tanks (Slurry)

BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Columbiana Boiler Co., Columbiana, O.
Dover Boiler Works, Sales Office, 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Graver Corp., 4020 Todd av, East Chicago, Ind. *See adv index at end of book*
Manitowoc Engineering Works, Manitowoc, Wis.
New Haven Boiler Works Inc., New Haven, Conn.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
Reeves Bros Co. (The), Alliance, O.
See adv index at end of book
Traylor Engrg. & Mfg. Co., Allentown, Pa.
Treadwell Construction Co., Midland, Pa.
United Iron Works Inc. (For Cement Plants for Mixing Shale, etc.), Kansas City, Mo.

14803— Tanks (Soap)

Acme Tank Co., 43 Cortlandt, New York
See adv index at end of book
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Corcoran A. J. Inc., 745 Jersey av, Jersey City, N. J.
See adv index at end of book
Dover Boiler Works, Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Eagle Tank Co., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Fleming Mfg. Co., 411 Neal, Newcastle, Pa.
GRAVER CORP., 4020 Todd av, East Chicago, Ind. *See adv index at end of book*
Hammond Iron Works, Warren, Pa.
See adv index at end of book
Hauser Stander Tank Co., Ammen & B. & O. Ry, Cincinnati, O.
See adv index at end of book
Honhorst Jos. Co., 1018 W. 6th, Cincinnati, Ohio
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Johnson & Thompson, Birmingham, Ala.
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Lacy Mfg. Co., 601 Washington bldg, Los Angeles, Cal.
Lancaster Iron Works ("Lancaster"), 500H Prince, Lancaster, Pa.
Leader Iron Works, 2100 N Jasper, Decatur, Ill.
Littleford Bros. (Factory), 444 E Pearl, Cincinnati, O.
See adv index at end of book
McNamara Bros. Co., Westport, Baltimore, Md.
National Tank & Pipe Co. ("National Quality"), 170 Columbia blvd, Portland, Ore. *See adv index at end of book*
New England Tank & Tower Co., 42 Main, Everett, Mass.
New Haven Boiler Works Inc., New Haven, Conn.
New York Central Iron Wks. Co. Inc., (Factory), Dept. H, Hagerstown, Md.
Novelty Steam Boiler Works, 917 S Howard, Baltimore, Md.
Pacific Tank & Pipe Co., 320 Market, San Francisco, Cal.
Pennsylvania Furnace & Iron Co., 373 Pine, Warren, Pa.
See adv index at end of book
Quaker City Iron Wks., Tioga & Richmond, Phila., Pa.
Reeves Bros., Alliance, O.
See adv index at end of book
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Steel Plate Products Co., Pottstown, Pa.
Struthers-Wells Co., Warren, Pa.
Treadwell Construction Co., Midland, Pa.
Wendnagel & Co., 620 W 22nd, Chicago, Ill.
Woolford G. Wood Tank Mfg. Co., 72nd & Woodland, Phila., Pa.
See adv index at end of book

14804—Tanks (Soda Fountain)

PRESSED STEEL TANK CO., 58th & Greenfield av, West Allis, Milwaukee, Wis.
See adv index at end of book

14805— Tanks (Sprinkler)

See also Tanks Steel Elevated

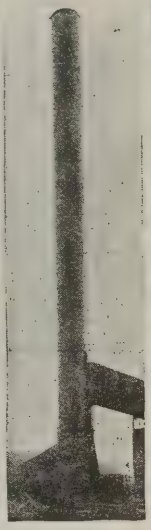
Acme Tank Company (Wood), 43 Cortlandt, New York
See adv index at end of book
American Welding Co., Carbondale, Pa.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.

(Continued on following page)

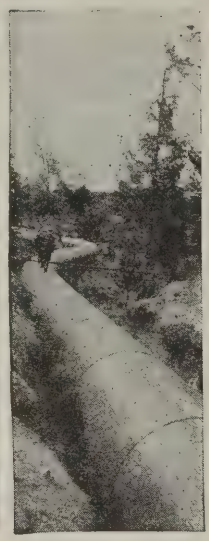
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Hemispherical-Bottom Tank



Smoke Stack



Penstock

SERVE EVERY PURPOSE

Elevated Steel Water Tanks
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Molasses Tanks
Surge Tanks
Penstocks
Lock Gates
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Steel Plate Construction



Horton Standard 55,000-Barrel Oil Tank

117

CHICAGO BRIDGE & IRON WORKS

CHICAGO, 2105 Old Colony Bldg. NEW YORK, 3136 Hudson Terminal Bldg. DALLAS, 1600 Praetorian Bldg.
ATLANTA, 1010 Healey Bldg. SAN FRANCISCO, 1030 Rialto Bldg. MONTREAL, 1020 Bank of Toronto Bldg.
BRIDGEBURG, ONT., 118 Janet St. SEATTLE, L. C. Smith Bldg.

Tanks (Sprinkler)—Continued

BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book

Caldwell W. E. Co., Louisville, Ky.

Challenge Co., Batavia, Ill.

CHICAGO BRIDGE & IRON WORKS, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book

Coatesville Boiler Works (Steel), 111 S 15th, Phila., Pa.

Cole R. D. Mfg. Co., Newnan, Ga.

Connery & Co., 4000 N 2nd, Phila., Pa.
See adv index at end of book

CORCORAN A. J. INC., 745 Jersey av, Jersey City, N. J.
See adv index at end of book

Downingtown Iron Works, East Downingtown, Pa.

Dundon Iron Works, 225 Folsom, San Francisco, Cal.

Duschak Boiler & Tank Co., 1405 Water, Long Beach, Cal.

Eagle Tank Co., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book

Flint & Walling Mfg. Co. ("Hoosier"), Kendallville, Ind.

GRAVER CORP., 4020 Todd av, East Chicago, Ind. *See adv index at end of book*

Gunning Boiler & Machine Co., New Bedford, Mass.

Hartley Boiler Works, Montgomery, Ala.

Hauser Stander Tank Co., Ammen & B. & O. Ry. (Wood), Cincinnati, O.
See adv index at end of book

Heggie James G. & Sons, Joliet, Ill.

Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.

Kittoe Boiler & Tank Co., Inc., Canton, O.

Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book

Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.

Lancaster Iron Works, Lancaster, Pa.

Lappan Jas. Mfg. Co., 20th & Pike, Pittsburgh, Pa.

Leader Iron Works, 2100 N Jasper, Decatur, Ill.

Lebanon Boiler Works, Harrison bldg, Phila., Pa.

McNamara Bros. Co., Westport, Baltimore, Md.

Missouri Boiler & Sheet Iron Works, 23rd & Paplin, St. Louis, Mo.

Muskegon Boiler Works, Muskegon, Mich.

Nashville Bridge Co., Nashville, Tenn.

National Tank & Pipe Co. ("National Quality"), 170 Columbia blvd, Portland, Ore. *See adv index at end of book*

New England Tank & Tower Co., 42 Main, Everett, Mass.

New Haven Boiler Works Inc., New Haven, Conn.

New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.

Novelty Steam Boiler Works, 917 S Howard, Baltimore, Md.

Ohio Machine & Boiler Co., 1510H University Rd, Cleveland, O.

Pacific Coast Boiler Works, 235H Main, San Francisco, Cal.

Pennsylvania Furnace & Iron Co., 373 Pine, Warren, Pa.
See adv index at end of book

Pacific Tank & Pipe Co., 320 Market, San Francisco, Cal.

PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book

Quaker City Iron Wks., Tioga & Richmond, Phila., Pa.

Rodgers Boiler & Burner Co., Muskegon, Mich.

SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book

Schofield's J. H. Sons Co., Hammond & Edgewood av, Macon, Ga.

Sims Co., 18th & Whitley av, Erie, Pa.

Southern Boiler & Tank Works, 1275 Thomas, Memphis, Tenn.

Steel Plate Products Co., Pottstown, Pa.

Steel Tank & Products Corp., 26 N Jefferson, Chicago, Ill.

Struthers-Wells Co., Warren, Pa.

Tudor Boiler Mfg. Co., 715 E 3d, Cincinnati, O.

Walsh & Weidner Boiler Co., Chattanooga, Tenn.

Woolford G. Wood Tank Mfg. Co., 72nd & Woodland, Phila., Pa.
See adv index at end of book

14806— Tanks (Steel)

ABENDROTH & ROOT MFG. CO., Newburgh, N. Y. *See adv index at end of book*

Acme Boiler & Tank Co., 48th & Morgan, Chicago, Ill.

Acme Pump & Tank Co., 19 W 44th, New York

Aermotor Co. (Steel Only), 2500 W 12th, Chicago, Ill.

Air-Tight Steel Tank Co., Mansion & B. & O. R. R., Pittsburgh, Pa.

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Allen Engineering & Mfg. Co., Savannah, Ga.

Allentown Boiler Works, 332 Walnut, Allentown, Pa.

American Bridge Co., 30 Church, New York

American Iron Works, Louisville, Ky.

American Steel Pipe & Tank Co. (Corrugated), 608H S Main, Los Angeles, Cal.

American Welding Co. (Lap-Welded), Carbondale, Pa.

Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.

Austin Welding Works, 555 W Quincy, Chicago, Ill.

Badger Steel Roofing & Corrugating Co., La Crosse, Wis.

Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.

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Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.

Barker Bros., Inc., 6 Leo pl, Brooklyn, N. Y.

Bartlett A. F. & Co., Saginaw, Mich.

Bartlett Hayward Co., Scott & McHenry, Baltimore, Md.

Bass Foundry & Machine Co., Ft. Wayne, Ind.

Bay City Iron Co., Bay City, Mich.

Bay City Iron Works, 1215 Harrison, San Francisco, Cal.

Beatrice Steel Tank Mfg. Co. ("Nu-way"), Beatrice, Neb.

Beckley Perforating Co., Garwood, N. J.

BEGGS, JAMES & CO., 30 Warren, New York. *See adv index at end of book*

Bethlehem Shipbuilding Corp., Ltd., 20th & Michigan, San Francisco, Cal.

BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book

Birchfield Boiler Co., 2530 E 11th, Tacoma, Wash.

Blaw-Knox Co. (One Piece), 681 Farmers Bank bldg., Pittsburgh, Pa.
See adv index at end of book

Borger Bros. Co., 257 W Spring, Columbus, O.

Bovaird & Seyfang Mfg. Co., Bradford, Pa.

Bowser S. F. & Co., Ft. Wayne, Ind.

(*Continued on page* 2078)

THE BIGGS BOILER WORKS COMPANY

Specialists in Steel Plate and Tank Construction

Case Avenue and William Street

Akron, Ohio

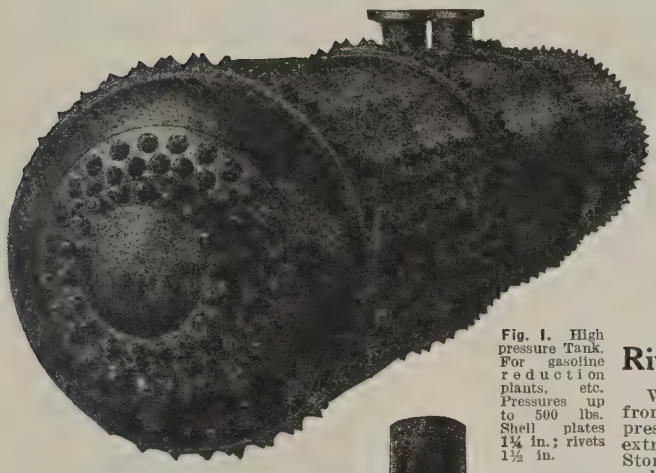


Fig. 1. High pressure Tank. For gasoline reduction plants, etc. Pressures up to 500 lbs. Shell plates 1¼ in.; rivets 1½ in.

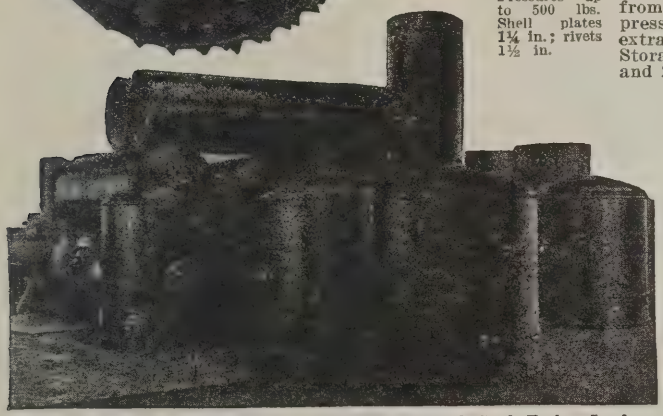


Fig. 2. Riveted Steel Tanks. In foreground special steel tanks with jacketed bottoms; above at rear, pressure and storage tanks.



Fig. 3. Biggs Vulcanizer 10' x 30', with "Simplex" boltless quick-closing door.

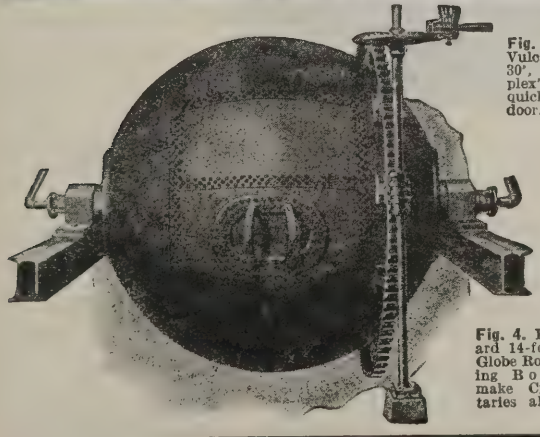


Fig. 4. Biggs Standard 14-foot Diameter Globe Rotary Bleaching Boiler. We make Cylinder Rotaries also.

PRODUCTS

STEEL TANKS of every description, including Pneumatic Water Supply, Hot Water Storage, Air Receiver, High Pressure, Steam Jacketed, Cone Bottom, Agitator, Sugar House, Soap Making, Bleaching, Gasoline and Oil Storage; CREOSOTING CYLINDERS; OIL STILLS; RIVETED STEEL PIPE; VULCANIZERS and DEVULCANIZERS with "Simplex" Boltless Quick-closing Doors; GLOBE and CYLINDER ROTARY BLEACHING BOILERS; SULPHATE and SULPHITE DIGESTERS.

Also Feed Water Heaters; Oil Refinery Equipment; Sugar Plantation Equipment; Sugar Manufacturing Equipment; Soap Plant Equipment; Incinerators; Autoclaves, Kiers, Kettles, Rotary, Steam and Direct-heat Dryers; Rubber and Paper Mill Machinery; Brick Hardening Cylinders; Cotton Fumigators; Mixers and Agitators; Oil Filters; Sterilizers; Saturating Pots; Impregnators; Insulated Wire Machinery; Rubber Machinery; Paint Making Machinery and Asphalt Heating Tanks. Steel Plate Construction up to 1½ in. plate.

Riveted Steel Tanks (Stock Sizes)

We carry in stock 135 standard size storage and pressure tanks, ranging from 84 to 25,000-gal. capacity. Stock pressure tanks designed for working pressures up to 100 lb., embracing such tanks as pneumatic water supply, extra heavy hot water storage, with and without coils, and air receivers. Storage tanks for oil, gasoline, asphalt, acid and similar products. (Figs. 1 and 2.) All tanks mentioned above covered by price list and discount sheet.

High Pressure Steel Tanks

Our plant and equipment permit us to fabricate the heaviest type of steel tank and steel plate construction, building as standard practice, tanks made of 1½ in. plate and for working pressures up to 500 lbs. We will furnish price list and discount sheet on 167 standard sizes of high pressure tanks—in addition to storage and low pressure tanks previously mentioned—these tanks ranging from 24 in. diameter by 5 ft. long to 60 in. diameter by 16 ft. long, built for working pressures of 100 to 300 lbs., in accordance with A. S. M. E. Code, Ohio, Massachusetts, Detroit and other specifications. (Figs. 1 and 2.)

Oil Stills and Refinery Equipment

Our plant and equipment naturally permit us to manufacture that type of steel plate work requiring the highest degree of mechanical perfection, such as Oil Stills, Rundown Tanks and various Refinery Equipment. It is on work of this nature that hydraulically driven rivets, plus good general shop practice, produce superior products. (Fig. 1.) We excel also in the construction and erection of 55,000 and 80,000 bbl. storage tanks.

Vulcanizers, Creosoting Cylinders, Brick Hardening Cylinders, Sterilizers, etc.

Biggs horizontal vulcanizers are recognized as standard equipment throughout the rubber industry, being furnished in standard diameters from 24 in. to 10 ft. and various lengths for any required pressure.

Equipped with "Simplex" patented quick-closing vulcanizer door, which permits even the 10-ft. size to be opened and closed by one man in less than 30 seconds. Fully guaranteed and accepted by all insurance companies. (Fig. 3.)

Cost is often offset by reduction in operating expense of vessels equipped with this door, and in greater production as contrasted with old bolted type. Customers using Biggs equipment have reported a saving of from 2 to 2½ hours per operation on the larger sizes. Write for catalogue.

Rotary Devulcanizers and Steam Dryers

Biggs jacketed rotary devulcanizers furnished in various sizes and built for any pressure. Steam pressure is carried in jacket surrounding entire shell and both heads, material to be treated being placed in inner chamber. Staybolts support entire collapsing load.

This same type of construction can be furnished stationary, the agitation being obtained by paddles. Equipment is likewise furnished in single shell construction and for both vertical and horizontal installation, embracing such apparatus as mixers, agitators, stills, jacketed tanks, heaters, kettles, etc.

Rotary Bleaching Boilers and Digesters for the Paper Trade

Biggs globe and cylinder rotary bleaching boilers for the paper trade have been installed in various paper mills throughout the world since 1887. Globe or cylinder types of bleaching boilers furnished in practically all sizes and for various pressures and purposes.

Our familiarity with heavy steel plate construction likewise permits us to build sulphate and sulphite digesters of the heaviest type, including riveted and electrically welded seams. Write for new illustrated catalogue. (Fig. 4.)

Write us regarding any type of steel plate construction you require. You will be interested in our folder "What Biggs Does and How."

Tanks (Steel)—Continued

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SHEET METAL WORK
STEEL TANKS WELDED AND RIVETED FOR EVERY PURPOSE
3/16 ga. and lighter. Made up or in K. D. shape
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Bros. Wm. Boiler & Mfg. Co., Nic Island, Minneapolis, Minn.
Brownell Co., Dayton, O.
Buckeye Boiler Co., Dayton, O.
Butler Mfg. Co., 1228 Eastern av, Kansas City, Mo.
Caldwell W. E. Co., Louisville, Ky.
California Boiler Works, 526 Howard, San Fransisco, Cal.
California Steel Products Co., 452H Bay, San Francisco, Cal.
Cambridge Iron Works, Cambridge, Mass.
Carlis C. W. Sons, Cole & Linwood, Trenton, N. J.
Case W. A. & Sons Mfg. Co., 31 Main, Buffalo, N. Y.
Casey-Hedges Co., Chattanooga, Tenn.
Cathell Bros. & Co., Lawrence & E Fort av, Baltimore, Md.
Cave Welding & Mfg. Co. (Welded to Specifications), 455 Wash., Springfield. Mass.
Central Boiler Works, 5791 Russell, Detroit, Mich.
Chattanooga Boiler & Tank Co., 1011 E Main, Chattanooga, Tenn.
CHICAGO BRIDGE & IRON WORKS, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Chicago Steel Tank Co. (Special), Cicero, Ill.
City Boiler & Machine Co., 2511 W 4th, Kansas City, Mo.
Coast Culvert & Flume Co., Col. blvd & Derby, Portland, Ore.
Coatesville Boiler Works, 111 S 15th, Phila., Pa.

HORTON
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Hemispherical-bottom
Conical-bottom
Flat-bottomed, Elliptical-bottom
CHICAGO BRIDGE & IRON WORKS
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Cole R. D. Mfg. Co., Newnan, Ga.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Columbia Boiler Works, Columbia, Pa.
Columbiana Boiler Co., Columbiana, O.
Columbus Steam Boiler & Heater Co., Columbus, O.
Connellsville Iron Works, Connellsville, Pa.
CONNERY & CO. INC., 4000 N 2nd, Phila., Pa. *See adv index at end of book*
Cox & Sons Co., Water & Hampton, Bridgeton, N. J.
Crook H. E. Co., Inc., 28 Light, Baltimore, Md.
Cruse-Kemper Co. (Oil & Water), Ambler, Pa.
Daly M. J. & Sons, Waterbury, Conn.
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Downey, F. F., Boiler Works, 2600 W. Grand av, Chicago, Ill.
Drake-Williams-Mount Co., Omaha, Neb.
Dravo Contracting Co., 1100 Diamond Bank bldg, Pittsburgh, Pa.
Duff Patents Co. Inc., Frick bldg, Pittsburgh, Pa.
Duncan Co., 508 Water, Toledo, O.
Dundon Iron Works, 225 Folsom, San Francisco, Cal.
Dutwiler Mfg. Co., 2437 E 23rd, Los Angeles, Cal.
East Jersey Pipe Corp., Paterson, N. J.
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Elyria Enameled Products Co. (Plain Welded), Elyria, O.
Empire Metal Tank Wks., East Rochester, N. Y.
Erie City Iron Works, Erie, Pa.
Etnyre E. D. & Co., Oregon, Ill.
Fairbanks Morse & Co., 900 S Wabash av, Chicago, Ill.
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Fargo Foundry Co., Fargo, N. D.
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Finnigan J. J. & Co., Atlanta, Ga.
Fleming Mfg. Co., 411 Neal, Newcastle, Pa.
Flint & Walling Mfg. Co., Kendallville, Ind.
Florida Metal Products Co., Jacksonville, Fla.
Fouts C. C. Co. (Bolted), Middletown, O.
Franklin Machine & Steam Boiler Works, 88 Quay, Brooklyn, N. Y.
Freela D. Sons Co., Sturgis, Mich.
FREEMAN MFG. CO., Racine Wis.
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Frick & Lindsay Co., Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Galland-Henning Mfg. Co. (Malt), 26th av & Montana, Milwaukee, Wis.
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Geneva Boiler Works, Geneva, N. Y.
GERDES & CO., 42 Church, New York
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GEUDER, PAESCHKE & FREY CO. (& Iron, Galvanized, Pressed Enameled), 1314-1790 St. Paul av, Milwaukee, Wis.
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Gillie Machine Co., Tonawanda, N. Y.
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GODFREY-KEELER CO., 70 Warren, New York
Goldner Henry Boiler & Tank Works, Water & Mifflin, Phila., Pa.

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Battery of HAMMOND Stills.

Producers & Refiners Corp. Parco, Wyo.

Manufacturers and Exporters of Steel Tanks and Steel Plate Work. Making a Specialty of Oil Refinery Equipment; Mining Tanks; Molasses Tanks.

Horizontal Cylindrical Tanks for Automobile Filling Stations. Made in capacities of from 500 to 30,000 Gallon Capacity.

Vertical Cylindrical Tanks from 300 to 100,000 Barrel Capacity. All of Various Diameters and Heights.

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New York Office—17 Battery Place

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Graver Corp., 4020 Todd av, East Chicago, Ind. *See adv index at end of book*

STEEL STORAGE TANKS
Steel Tanks for Storage of All Commodities. Capacities from 550 gal. Welded to 80,000 Barrel Tanks. Welded Tanks and Station Tanks, both Vertical and Horizontal, with Underwriters' Label if desired. Tanks for Fuel Oil Storage. Field Erected Tanks. Tanks on Towers and General Steel Plate Construction.
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Gunning Boiler & Machine Co., New Bedford, Mass.
Gussett Boiler Wks., 1140 Marion av, S. W., Canton, O.
Hamburg Boiler Works, Hamburg, Pa.
Hamler Boiler & Tank Co., Dept. H, W 66th & So 60th av, Chicago, Ill.
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Harry O. K. Steel Co. (Stock, etc.), 2333 Papin, St. Louis, Mo.
Hartley Boiler Works, Montgomery, Ala.
Hassell Iron Works Co., Colorado Springs, Colo,
Hastings Equity Grain Bin Mfg. Co., Hastings, Neb.
Heggie Boiler Works, Wm., Joliet, Ill.
Heggie James G. & Sons, Inc., Joliet, Ill.
Heil Co. ("Quality"), 1270-1300 26th av, Milwaukee, Wis.
Heilman Boiler Works, Allentown, Pa.
Heine Boiler Co., 5319H E Marcus av, St. Louis, Mo.
Heltzel Steel Form & Iron Co. The (Iron & Steel), Warren, O.
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THE HELTZEL
STEEL FORM & IRON CO.
WARREN, OHIO

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Holan Metal Products Co., N 40th & Clark av, Cleveland, O.
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International Engng. Wks., Framingham, Mass.
Iowa Steel & Iron Works, Cedar Rapids, Ia.
Iowa Wind Mill & Pump Co., Cedar Rapids, Ia.
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Johnson & Thompson Inc., Birmingham, Ala.
Johnston Bros., Ferryburg, Mich.
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Kaw Boiler Works Co., Kansas City, Kan.
Keeler E. Co., 238 West, Williamsport, Pa.
KELKER BLOWER CO., INC., 2383 Fillmore av, Buffalo, N. Y.
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KELLOGG M. W. CO. (Welded), 90 West, New York *See adv index at end of book*
Kennedy P. W., 1201 Beecher, Indianapolis, Ind.
Keystone Tank & Boiler Works, Butler, Pa.
Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cincinnati, O.
Kittoe Boiler & Tank Co., Inc., Canton, O.
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Kries Henry A. & Sons Co., 8 W Lombard, Baltimore, Md.
Kroeschell Bros. Co., 440 W Erie, Chicago, Ill.
Lacy Mfg. Co., 601 Washington bldg, Los Angeles, Cal.
Lancaster Iron Works, Lancaster, Pa.
Lappan Jas. Mfg. Co., 20th & Pike, Pittsburgh, Pa.
Lasker & Minck, 53 Park pl, New York
Leader Iron Works, 2100 N Jasper, Decatur, Ill.
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
Leslie Elliott & Co., Paterson, N. J.
Lindsay W. W. & Co. Inc., Harrison bldg, Phila., Pa.
LITTLEFORD BROS. (& Iron for Various Purposes), 444 E Pearl, Cincinnati, O. *See adv index at end of book*
Llewllyn Iron Works, Los Angeles, Cal.
Lombard Iron Works & Supply Co., Augusta, Ga.
Lookout Boiler Mfg. Co., Chattanooga, Tenn.
Los Angeles Mfg. Co. Inc., 2500 Leonard, Los Angeles, Cal.
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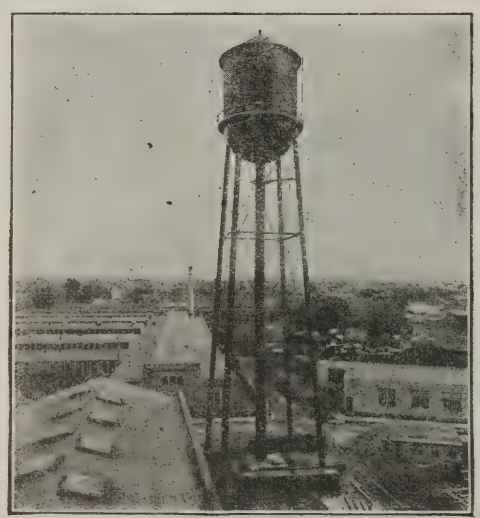
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Wickes Boiler Co. (The), Saginaw, Mich. *See adv index at end of book*
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International Boiler Works Co., East Stroudsburg, Pa.
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Standard Boiler & Plate Iron Co., Niles, O.
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Struthers-Wells Co., Warren, Pa.
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California Boiler Works, 526 Howard, San Francisco, Cal.
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International Boiler Works Co., East Stroudsburg, Pa.
Iron & Steel Contracting Co., 215 San Bruno av, San Francisco, Cal.
Johnson & Thompson, Birmingham, Ala.
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Missouri Boiler & Sheet Iron Works, 23d & Papin, St. Louis, Mo.
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New Haven Boiler Works Inc., New Haven, Conn.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
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Gerdes & Co., 42 Church, New York
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Gerstein Bros. & Cooper (Copper), 3 W 3d, S. Boston, Mass.
Gilbert & Barker Mfg. Co. ("Gilbert & Barker" Underground Storage), Springfield, Mass.
GRAVER CORP., 4020 Todd av, East Chicago, Ind. *See adv index at end of book*
Graves & Marshall Co., Dayton, O.
Greenspon's Jos. Sons, Iron & Steel Co. (Second Hand), 67 Branch, St. Louis, Mo.
Gunning Boiler & Machine Co., New Bedford, Mass.
Gussett Boiler Wks., 1140 Marion av S. W., Canton, O.
Hamler Boiler & Tank Co., Dept. H, W 66th & 60th av, Chicago, Ill.
Hammond Iron Works (Steel), Warren, Pa. *See adv index at end of book*
Harry Bros. Co. ("Harry's" Corrugated Galvanized Iron), Carr av & L. C. R. R., New Orleans, La.
Harry O. K. Steel Co., 2333 Papin, St. Louis, Mo.
Hartley Boiler Works, Montgomery, Ala.
Hastings Equity Grain Bin Mfg. Co., Hastings, Neb.
HAUSER STANDER TANK CO. (Wood), Ammen & B. & O. Ry, Cincinnati, O.
See adv index at end of book
Heggie James G. & Sons, Inc., Joliet, Ill.
Heil Co. ("Quality" Underground for Gasoline), 1270-1300 26th av, Milwaukee, Wis.
Heltzel Steel Form & Iron Co. The, Warren, O.
See adv index at end of book
Home Industry Iron Works, 206 N Water, Mobile, Ala.
Honhorst Jos. Co., 1018 W 6th, Cincinnati, Ohio
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Hummel Mfg. Co., 3014 La Salle, St. Louis, Mo.
International Boiler Works Co., East Stroudsburg, Pa.
Johnson & Thompson, Birmingham, Ala.
Kaustine Co., Inc. ("Kaustine"), Niagara Life bldg, Buffalo, N. Y.
Kellogg M. W. Co. (Welded), 90 West, New York *See adv index at end of book*
Kewanee Boiler Co., Kewanee, Ill.
Keystone Tank & Boiler Works, Butler, Pa.
KOVEN L. O. & BRO., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Lake Erie Boiler Works, 419 Gates av, Buffalo, N. Y.
Lancaster Iron Works, Lancaster, Pa.
Lappan Jas. Mfg. Co., 20th & Pike, Pittsburgh, Pa.
Leader Iron Works, 2100 N Jasper, Decatur, Ill.
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
Littleford Bros., 444 E Pearl, Cincinnati, O. *See adv index at end of book*
Lookout Boiler Mfg. Co., Chattanooga, Tenn.
McDermott Bros. Co., Allentown, Pa.
McNamara Bros. Co. (Steel), Westport, Baltimore, Md.
McNaull Boiler Mfg. Co., Toledo, O.
Madewell Pipe & Culvert Works ("Madewell"), N 12th & 25th av, Oakland, Cal.
Main Iron Works, 16th & Daggett, San Francisco, Cal.
Manitowoc Engineering Works, Manitowoc, Wis.
Marshall Blow Pipe Co., 7431 Dubois, Detroit, Mich.
Martin Metal Mfg. Co., Wichita, Kansas
Meehan Boiler & Construction Co., Lowellville, O.
Michelmann Steel Construction Co., Quincy, Ill.
Milwaukee Tank Works (Gasoline & Oil), Fratney & Becker, Milwaukee, Wis.
Missouri Boiler & Sheet Iron Works, 23d & Papin, St. Louis, Mo.
Mobile Steel Co., Mobile, Ala.
Monarch Mfg. Co. (Underground), Council Bluffs, Ia.
Morrison Bros., Dubuque, Ia.
Murphy & Walsh, Pekin, Ill.
Murray Iron Works Co., Burlington, Iowa
Muskegon Boiler Works, Muskegon, Mich.
Nashville Bridge Co., Nashville, Tenn.
National Tank & Mfg. Co., 11th & Santa Fe av, Los Angeles, Cal.
National Tank & Pipe Co. ("National Quality"), 170 Columbia blvd, Portland, Ore. *See adv index at end of book*
Nebraska & Iowa Steel Tank Co. (Galvanized Steel), Omaha, Neb.
New Haven Boiler Works Inc., New Haven, Conn.
New York Central Iron Works Co., Inc., Hagerstown, Md.
Novelty Steam Boiler Works, 917 S Howard, Baltimore, Md.
O'Brien John Boiler Works Co., 11th & Mullanphy, St. Louis, Mo.
Ocean Shore Iron Works, 550 8th, San Francisco, Cal.
Ohio Corrugating Co., Warren, Ohio
Pacific Stove & Stamping Co., Idaho & Duwanish av, Seattle, Wash.
Pacific Tank & Pipe Co., 320 Market, San Francisco, Cal.
Patterson Kelley Co. ("Patterson"), 804 Architects bldg, New York
See adv index at end of book
Peerless Steel Co., Ardmore, Okla.
Penna. Furnace & Iron Co., 373 Pine, Warren, Pa. *See adv index at end of book*
Perfection Metal Products Co., Topeka, Kan.
Perkins Corp., Mishawaka, Ind.
Petroleum Iron Works Co. of Ohio (All Kinds), Sharon, Pa.
See adv index at end of book
Phoenix Iron Works Co., Meadville, Pa.
Pidgeon-Thomas Iron Co., Memphis, Tenn.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Quaker City Iron Works, Tioga & Richmond, Phila., Pa.
Redwood Mfrs. Co. ("Remco"), H, Hobart bldg, San Francisco, Cal.
Reeves Bros. Co. (The), Alliance, O.
See adv index at end of book
Reummeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
Robinson A. F. Boiler Works, 2nd & Binney, East Cambridge, Mass.
Rodgers Boiler & Burner Co., Muskegon, Mich.
S. F. K. Steel Barrel Co., 7930 Jones rd, Cleveland, O.
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortland, New York
See adv index at end of book
Schoedinger F. O., 346 Mt. Vernon av, Columbus, O.
Schofield's J. S. Sons Co., Macon, Ga.
Sims Co. (Steel), 18th & Whitley av, Erie, Pa.
Skinner & Arnold, Albany, N. Y.
Sotter Bros., Pottstown, Pa.
Southern Boiler & Tank Works, 1275 Thomas, Memphis, Tenn.
Southern Metal Co. Inc., Lake Charles, La.
Spokane Culvert & Tank Co., Spokane, Wash.
Star Tank Co. (Galvanized), Goshen, Ind.
Steel Tank & Pipe Co., H, Corbin Station, Berkeley, Cal.
Steel Tank & Products Corp., 26 N Jefferson, Chicago, Ill.
Struthers-Wells Co., Warren, Pa.
Tippett & Wood, Phillipsburg, N. J.
Topeka Steam Boiler Works, Topeka, Kans.
Traylor Engrg. & Mfg. Co., Allentown, Pa.
Treadwell Constr. Co., Midland, Pa.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
Union Boiler & Mfg. Co., Dept. H, Lebanon, Pa.
Union Iron Works, Hoboken, N. J.
Union Tank & Pipe Co., 2810H Santa Fe av, Los Angeles, Cal.
United Iron Works Inc., Kansas City, Mo.
U. S. Bottlers' Machinery Co. ("U. S."), 4015 N Rockwell, Chicago, Ill.
Vernier Mfg. Co. (Steel) Cedar Rapids, Ia.
Vulcan Iron Works, Inc., Hudson & Essex, Jersey City, N. J.

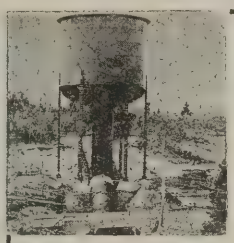
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
WARREN CITY TANK & BOILER CO. (THE), Warren, Ohio
See adv index at end of book
Welded Steel Barrel Corp., Hart av & **Charlevoix, Detroit, Mich.**
West Coast Iron & Steel Works, Inc., 3rd & Glisan, Portland, Ore.
Western Drop Forge Co., P. O. Box 386, Marion, Ind.
Western Engineering Corp., Spokane & E Marginal Way, Seattle, Wash.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.
Western Iron & Fdry. Co., Wichita, Kans.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Western Steel Products Co., New Duluth, Minn.
Willcox Engineering Co., 1525 Holland av, Saginaw, Mich.
Wood John Mfg. Co. (Electric Welded), Conshohocken, Pa.
WOOLFORD G. WOOD TANK MFG. CO., 72nd & Woodland, Phila., Pa.
See adv index at end of book
Zelnicker Walter Supply Co., 325 Locust St. Louis, Mo.

14811—Tanks (Sugar House)

Abendroth & Root Mfg. Co., Newburgh, N. Y. *See adv index at end of book*
ACME TANK COMPANY (Wood), 43 Cortlandt, New York
See adv index at end of book
Atlas Engineering Co., Amherst, O.
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Caldwell W. E. Co., Louisville, Ky.
California Boiler Works, 526 Howard, San Francisco, Cal.
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Columbiana Boiler Co., Columbiana, O.
Connery & Co. Inc., 4000 N 2nd, Phila., Pa.
See adv index at end of book
Dibert Bancroft & Ross Co. Ltd., Tulane & Hagan av, New Orleans, La.
Eagle Tank Co., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Fleming Mfg. Co., 411 Neal, Newcastle, Pa.
Gerdes & Co., 42 Church, New York
See adv index at end of book
Graver Corp., 4020 Todd av, East Chicago, Ind. *See adv index at end of book*
Heggie James G. & Sons, Joliet, Ill.
Honolulu Iron Works Co., 233 Broadway, New York
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Johnson & Thompson, Birmingham, Ala.
Kittoe Boiler & Tank Co., Inc., Canton, O.
Krajewski-Peasant Corp., 227 Fulton, New York
Lancaster Iron Works, Lancaster, Pa.
Leader Iron Works, 2100 N Jasper, Decatur, Ill.
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
Littleford Bros. (Sugar Refining), 444 E Pearl, Cincinnati, O.
See adv index at end of book
McNamara Bros. Co., Westport, Baltimore, Md.
Manitowoc Engineering Works, Manitowoc, Wis.
Marinette Boiler Wks., Marinette, Wis.
National Tank & Pipe Co. ("National Quality"), 170 Columbia blvd, Portland, Ore. *See adv index at end of book*
New Haven Boiler Works Inc., New Haven, Conn.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
Pennsylvania Furnace & Iron Co., 373 Pine, Warren, Pa.
See adv index at end of book
Phoenix Iron Works Co., Meadville, Pa.
Pittsburgh-Des Moines Steel Co., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Rodgers Boiler & Burner Co., Muskegon, Mich.
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
SCAIFE WM. B. & SONS CO. First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
Skelton Joseph L. Engineering Co., Front, Toledo, O.
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Steel Plate Products Co., Pottstown, Pa.
Struthers-Wells Co., Warren, Pa.
Traylor Engrg. & Mfg. Co., Allentown, Pa
Turl Iron & Car Co. (Inc.), The, 50 Broad, New York. Works: Newburgh, N. Y.
Von Phul Gilbert D., Hibernia Bank bldg, New Orleans, La.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Warren City Tank & Boiler Co. (The), Warren, Ohio
See adv index at end of book
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Woolford G. Wood Tank Mfg. Co., 72nd & Woodland, Phila., Pa.
See adv index at end of book

14811a— Tanks (Surge)

Acme Tank Co., 43 Cortlandt, New York
See adv index at end of book
CHICAGO BRIDGE & IRON WORKS, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book



Surge Tanks for power plant and penstock installations. Let our engineers assist you in designing your tank.

CHICAGO BRIDGE & IRON WORKS
Chicago, 2105 Old Colony Bldg.; New York, 3136 Hudson Terminal Bldg.; Dallas, 1600 Praetorian Bldg.; Atlanta, 1010 Healey Bldg.; San Francisco, 1030 Rialto Bldg.

HORTON STEEL WORKS, LIMITED
Toronto, Ont., 1408 Federal Bldg.; Montreal, Que., 1020 Bank of Toronto Bldg.; Bridgeburg, Ont., 118 Janet St.; Winnipeg, Man., 1209 Galt Bldg.

Connery & Co., Inc., 4000 N 2nd, Phila., Pa.
See adv index at end of book
Eagle Tank Co., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Fleming Mfg. Co., 411 Neal, Newcastle, Pa.
Heggie James G. & Sons, Inc., Joliet, Ill.
Heltzel Steel Form & Iron Co. The, Warren, O.
See adv index at end of book
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Johnson & Thompson, Birmingham, Ala.
Lacy Mfg. Co., 601 Washington bldg, Los Angeles, Cal.
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Steel Tank & Products Corp., 26 N Jefferson, Chicago, Ill.
Struthers-Wells Co., Warren, Pa.
Wilks S. Mfg. Co., 3517 Shields av, Chicago, Ill.

14812— Tanks (Tanners')

ACME TANK COMPANY (Wood), 43 Cortlandt, New York
See adv index at end of book
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Caldwell W. E. Co., Louisville, Ky.
California Boiler Works, 526 Howard, San Francisco, Cal.
Connery & Co. Inc., 4000 N 2nd, Phila., Pa.
See adv index at end of book
EAGLE TANK CO., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Farrar & Trefts, Inc., Buffalo, N. Y.
Freeman Mfg. Co., Racine, Wis.
See adv index at end of book
Graver Corp., 4020 Todd av, East Chicago, Ind. *See adv index at end of book*
Hammond Iron Works, Warren, Pa.
See adv index at end of book
Hauser Stander Tank Co. (Wood), Ammen & B. & O. Ry., Cincinnati, O.
See adv index at end of book
Kittoe Boiler & Tank Co., Canton, O.
Leader Iron Works, 2100 N Harper, Decatur, Ill.
McNamara Bros. Co., Westport, Baltimore, Md.
Missouri Boiler & Sheet Iron Works, 23d & Papin, St. Louis, Mo.
National Tank & Pipe Co. ("National Quality"), 170 Columbia blvd, Portland, Ore. *See adv index at end of book*
New England Tank & Tower Co., 42 Main, Everett, Mass.
New Haven Boiler Works Inc., New Haven, Conn.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
Pacific Tank & Pipe Co., 320 Market, San Francisco, Cal.
Rodgers Boiler & Burner Co., Muskegon, Mich.
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
Skelton Joseph L. Engineering Co., Front, Toledo, O.
Steel Plate Products Co., Pottstown, Pa.
Struthers-Wells Co., Warren, Pa.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.

14813—Tanks (Tar, Ammonia Liquor)

BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Connery & Co. Inc., 4000 N 2nd, Phila., Pa.
See adv index at end of book
Dover Boiler Works. Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Fleming Mfg. Co., 411 Neal, Newcastle, Pa.
Graver Corp., 4020 Todd av, East Chicago, Ind. *See adv index at end of book*
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Johnson & Thompson, Birmingham, Ala.
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Lancaster Iron Works, Lancaster, Pa.
Leader Iron Works, 2100 N Jasper, Decatur, Ill.
New Haven Boiler Works Inc., New Haven, Conn.
SCAIFE WM. B. & SONS CO. (Tar Tanks), First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Standard Tank Car Co., Sharon, Pa.
Steel Plate Products Co., Pottstown, Pa.
Struthers-Wells Co., Warren, Pa.
Tippet & Wood (Tar), 162 Howard, Phillipsburg, N. J.
Traylor Engrg. & Mfg. Co., Allentown, Pa.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.

14814—Tanks (Thresher, Steel)

South Bend Spark Arrester Co. (Galvanized), South Bend, Ind.
Star Tank Co., Goshen, Ind.

14815— Tanks (Turpentine)

BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Graver Corp., 4020 Todd av, East Chicago, Ind. *See adv index at end of book*
Hammond Iron Works, Warren, Pa.
See adv index at end of book
Hartley Boiler Works, Montgomery, Ala.
Heggie James G. & Sons, Inc., Joliet, Ill.
Home Industry Iron Works, 206 N Water, Mobile, Ala.
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Johnson & Thompson, Birmingham, Ala.
Lancaster Iron Works, Lancaster, Pa.
Leader Iron Works, 2100 N Jasper, Decatur, Ill.
McNamara Bros. Co., Westport, Baltimore, Md.
Mobile Steel Co., Mobile, Ala.
New Haven Boiler Works Inc., New Haven, Conn.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
Pennsylvania Furnace & Iron Co., 373 Pine, Warren, Pa.
See adv index at end of book
Petroleum Iron Works Co. of Ohio, Sharon, Pa.
See adv index at end of book
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Steel Plate Products Co., Pottstown, Pa.
Struthers-Wells Co., Warren, Pa.

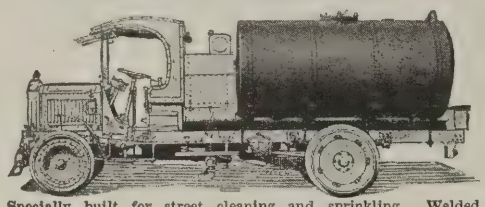
14816— Tanks (Varnish)

Acme Tank Co., 43 Cortlandt, New York
See adv index at end of book
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
California Boiler Works, 526 Howard, San Francisco, Cal.
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
Coatesville Boiler Works (Steel), 111 S 15th, Phila., Pa.
Codd E. J. Co., 700H S Carolina, Baltimore, Md.
Corcoran A. J. Inc., 745 Jersey av, Jersey City, N. J. *See adv index at end of book*
Eagle Tank Co., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Graver Corp., 4020 Todd av, East Chicago, Ind. *See adv index at end of book*
Heil Co. ("Quality"), 1270-1300 26th av, Milwaukee, Wis.
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Johnson & Thompson, Birmingham, Ala.

(Continued on following page)



1250 Gals. cap., four compartment—riveted and welded with double bulkheads.



Specially built for street cleaning and sprinkling. Welded construction, surge plates riveted, fitted complete for mounting on truck chassis.

FARRELL MANUFACTURING COMPANY

Joliet, Illinois

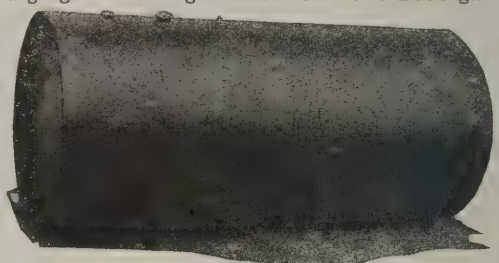
Sales Office and Display Room—646 Washington Blvd., Chicago, Illinois

Farrell Truck Tanks are built in a complete range of sizes to fit all truck chassis—capacities ranging from 300 gallons for Fords to 2400 gallons for heavy duty service.

Storage Tanks in black steel ranging in size from 250 gals. to 5000 gals.; galvanized storage tanks from 65 gals. to 1000 gals.

Vent caps, fittings, safety valves and tank accessory equipment.

Copy of catalog will be mailed on request.



Tanks (Varnish)—Continued

Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Lancaster Iron Works ("Lancaster"), 500H S Prince, Lancaster, Pa.
Leader Iron Works, 2100 N Jasper, Decatur, Ill.
Lebanon Boiler Works, Lebanon, Pa.
Littleford Bros., 444 E Pearl, Cincinnati, O. *See adv index at end of book*
New Haven Boiler Works, Inc., 37 Mill, New Haven, Conn.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
Pennsylvania Furnace & Iron Co., 373 Pine, Warren, Pa.
See adv index at end of book
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Standard Tank Car Co., Sharon, Pa.
Steel Plate Products Co., Pottstown, Pa.
Struthers-Wells Co., Warren, Pa.

14817— Tanks (Vulcanizing)

BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Godfrey Keeler Co., 70 Warren, New York
New Haven Boiler Works, Inc., 37 Mill, New Haven, Conn.
Pennsylvania Furnace & Iron Co., 373 Pine, Warren, Pa.
See adv index at end of book

14818—Tanks (Wagon & Truck)

American Steel Pipe & Tank Co., 608H S Main, Los Angeles, Cal.
Aultman & Taylor Machy. Co., Mansfield, O.
Badger Steel Roofing & Corrugating Co., La Crosse, Wis.
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Buckeye Boiler Co., 1617 McFain, Dayton, O.
California Corrugated Culvert Co. ("Calco" for Water), Berkeley & Los Angeles, Cal.
Caluminum Co., The ("Duralyte"), 1312 S San Pedro, Los Angeles, Cal.
Codd E. J. Co., 700 S Caroline, Baltimore, Md.
Columbian Steel Tank Co., 1625 W 12th, Kansas City, Mo.
Davis Welding & Mfg. Co., 1110 Richmond, Cincinnati, O.
DUTWILER MFG. CO., 2437 E 23rd, Los Angeles, Cal.
FARRELL MFG. CO., Joliet, Ill.
See adv index at end of book
Graver Corp., 4020 Todd av, East Chicago, Ind. *See adv index at end of book*
Hammond Iron Works, Warren, Pa.
See adv index at end of book
Hardesty R. Mfg. Co., 3063 Blake, Denver, Colo.
Harry Brothers Co. ("Harry's), Carrollton & I. C. R. R., New Orleans, La.
Hastings Equity Grain Bin Mfg. Co. (Water & Oil), Hastings, Neb.
Heil Co. ("Quality" Welded Delivery), 1270-1300 26th av, Milwaukee, Wis.
Heltzel Steel Form & Iron Co. (The), Warren, Ohio
See adv index at end of book
Lacy Mfg. Co., 601 Washington bldg, Los Angeles, Cal.
Lappan Jas. Mfg. Co., 20th & Pike, Pittsburgh, Pa.
Leader Iron Works, 2100 N Jasper. Decatur, Ill..
Littleford Bros. (Gasoline & Oil Delivery), 444 E Pearl, Cincinnati, O.
See adv index at end of book
Missouri Boiler & Sheet Iron Works, 23d & Papin, St. Louis, Mo.
Morrison Bros., Dubuque, Ia.
National Tank & Pipe Co. ("National Quality"), 170 Columbia blvd, Portland, Ore. *See adv index at end of book*
New England Tank & Tower Co., 42 Main, Everett, Mass.
New Haven Boiler Works Inc., New Haven, Conn.
New York Central Iron Works Co. Inc., Dept. H., Hagerstown, Md.
Novelty Steam Boiler Works, 917 S Howard, Baltimore, Md.
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Pacific Tank & Pipe Co., 320 Market, San Francisco, Cal.
Penna. Furnace & Iron Co., 373 Pine, Warren, Pa. *See adv index at end of book*
Robinson A. F. Boiler Works, 2nd & Binney, East Cambridge, Mass.
Schoedinger F. O., 346 Mt. Vernon av, Columbus, O.
Sharpsville Boiler Works, Sharpsville, Pa.
Spokane Culvert & Tank Co., Spokane, Wash.
Steel Plate Products Co., Pottstown, Pa.
Union Tank & Pipe Co., 2801 Santa Fe av, Los Angeles, Cal.
Welded Steel Barrel Corp., Hart av & Charlevoix, Detroit, Mich.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

14819—Tanks (Water Closet)

See also Plumbers' Woodwork

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Sanitary Works ("B. O. T." B R E Mfg. Co. ("B R E" Wood), Hyde Park, Mass.
Bailey Farrell Mfg. Co. (Steel), S 20th & Sidney, Pittsburgh, Pa.
Becker Mfg. Co., Marietta, O.
Blairsville Sanitary Co. ("America" Enameled Iron), Blairsville, Pa.
Buffalo Wash Tray Works ("Champion" Enameled Concrete), 601 Tonawanda. Buffalo, N. Y.
Chino Tank Mfg. Co. ("Chino"), Mentor & Huston, Norwood, Cincinnati, O.
Church C. F. Mfg. Co. ("White Pyralin"), Holyoke, Mass.
Columbus Brass Co., 620 Dublin av, Columbus, Ohio
See adv index at end of book
Coyne & Delany Co. ("C. & D.," Safety, Locking Tank & Ball Cock), 832 Kent av, Brooklyn, N. Y.
Eichman J. C. Mfg. ("Clover"), Bush & Wicomico, Baltimore, Md.
Fleck Bros. Co. (Vitreous China), 44 N 5th, Phila., Pa.
Galard Co. ("Omaha"), 335 6th av, Newark, N. J.
Hayes-Ruppel Mfg. Co. ("Ruppelite"), Ottawa & Louis, Grand Rapids, Mich.
Heap Wm & Sons, Grand Haven, Mich.
Humphryes Mfg. Co. (Porcelain Enameled Low & High Pattern), Mansfield, O.
Keeley Jas. J. (Sheet Iron), Jackson, Mich.
McVay-Walker Co. (Enameled Iron), Braddock, Pa.
Miller Chas. A. Co. (Low-Down & High Tank, Wood & White Porcelain, All Steel) Sturgis, Mich.
Mineral Products Co. ("Xyno" Stone), Rhinelander, Wis.
Monument Pottery Co. (Vitreous), Trenton, N. J.
Ramsey Andrew Co., Mt. Savage, Md.
Sanitary Co. (High & Iron Galvanized "Y" Pipe), Dept. H, Linfield, Pa.

SCAIFE WM. B. & SONS CO. (Steel), **First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York**
See adv index at end of book

Shwab Bros. Co., 811 E 9th, New York
Standard Sanitary Mfg. Co. (Enameled Iron), Bessemer bldg, Pittsburgh, Pa.
Teahen James M. ("Vitro"), 5155 Cass, Detroit, Mich.
Trenton Potteries Co. ("Impervio," Vitreous China), Trenton, N. J.
Van Arnam Mfg. Co., Fort Wayne, Ind.
Washington Iron Works ("Washington"), 1141 Mateo, Los Angeles, Cal.
Whiting-Mead Pottery Co. (Vitreous"), 415 E 9th, Los Angeles, Cal.
Young Joseph H. Co. ("Boston Fore & After Wash," Automatic), 82 High, Boston, Mass.

14820—Tanks (Water, Mounted on Wheels)

Acme Road Machinery Co. (For Steam Rollermen & Others), Frankfort, N. Y.
Advance Rumely Co., Madison & Lincoln Way, La Porte, Ind.
Appleton Mfg. Co., Batavia, Ill.
Aultman & Taylor Machinery Co., Mansfield, O.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
Caldwell W. E. Co., Louisville, Ky.
Case J. I. Threshing Machine Co., Racine, Wis.
Connery & Co. Inc., 4000 N 2nd, Phila., Pa.
See adv index at end of book
Gerdes & Co., 42 Church, New York.
See adv index at end of book
Huber Mfg. Co., Marion, O.
Leader Iron Works, 2100 N Jasper, Decatur, Ill.
Nichols & Shepard Co. (Wood & Steel), Battle Creek, Mich.
Pennsylvania Furnace & Iron Co., 373 Pine, Warren, Pa.
See adv index at end of book
Sotter Bros., Pottstown, Pa.
Spokane Culvert & Tank Co., Spokane, Wash.
Steel Plate Products Co., Pottstown, Pa.
Swayne, Robinson & Co., Richmond, Ind.
Union Tank & Pipe Co., 2801 Santa Fe av, Los Angeles, Cal.

14820a—Tanks (Water Softening)

Racine Boiler & Tank Co., 1523 16th, Racine, Wis.

14821—Tank (Water Storage)

ACME TANK COMPANY (Wood), 43 Cortlandt, New York
See adv index at end of book
Am. Bridge Co., 71 Broadway, New York
Am. Creosoting Co. (Creosoted), Bogalusa, La.
American Steel Pipe & Tank Co., 608H S Main, Los Angeles, Cal.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
California Boiler Works, 526 Howard, San Francisco, Cal.
CHICAGO BRIDGE & IRON WORKS, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
CONNERY & CO. INC., 4000 N 2nd, Phila., Pa. *See adv index at end of book*
CORCORAN A. J., INC., 745 Jersey av, Jersey City, N. J.
See adv index at end of book
Davis Welding & Mfg. Co., 1110 Richmond, Cincinnati, O.
Dravo Contracting Co., 1100 Diamond Bank bldg, Pittsburgh, Pa.
Gunning Boiler & Machine Co., New Bedford, Mass.

HAMMOND IRON WKS., Warren, Pa.
See adv index at end of book
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book

HAUSER STANDER TANK CO. (Wood), Ammen & B. & O. Ry, Cincinnati, O.
See adv index at end of book
Heltzel Steel Form & Iron Co. The, Warren, O.
See adv index at end of book
Honhorst Jos. Co., 1018 W 6th, Cincinnati, Ohio
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Intermountain Concrete Co., Ogden, Utah
Johnson & Thompson, Birmingham, Ala.
Keystone Tank & Boiler Works, Butler, Pa.
Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cincinnati, O.
Lacy Mfg. Co., 601 Washington bldg, Los Angeles, Cal.
Lancaster Iron Works ("Lancaster"), 500H S Prince, Lancaster, Pa.
Leader Iron Works, 2100 N Jasper, Decatur, Ill.
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
Littleford Bros., 444 E Pearl, Cincinnati, O. *See adv index at end of book*
Mertz John Mfg. Co., Sandusky, O.
Mobile Steel Co., Mobile, Ala.
Montague Pipe & Steel Co., Hobart bldg, San Francisco, Cal.
National Tank & Mfg. Co., 11th & Santa Fe av, Los Angeles, Cal.
National Tank & Pipe Co. ("National Quality"), 170 Columbia blvd, Portland, Ore. *See adv index at end of book*
New England Tank & Tower Co., 42 Main, Everett, Mass.
New Haven Boiler Works Inc., New Haven, Conn.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
Novelty Steam Boiler Works, 917 S Howard, Baltimore, Md.
Pacific Tank & Pipe Co., 320 Market, San Francisco, Cal.
Penna. Furnace & Iron Co., 373 Pine, Warren, Pa. *See adv index at end of book*

PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book

Puget Sound Sheet Metal Works, 3631 E Marginal way, Seattle, Wash.
Quaker City Iron Wks., Tioga & Richmond, Phila., Pa.

SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book

Southern Boiler Works, Belleville, Ill.
Spokane Culvert & Tank Co., Spokane, Wash.
Stacey Bros. Gas Construction Co., Sta. P, Cincinnati, O.
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Steel Plate Products Co., Pottstown, Pa.
Steel Tank & Products Corp., 26 N Jefferson, Chicago, Ill.
Union Tank & Pipe Co., 2801 Santa Fe av, Los Angeles, Cal.
Walsh & Weidner Boiler Co., W Main & Ash, Chattanooga, Tenn.
Warren City Tank & Boiler Co. (The), Warren, Ohio
See adv index at end of book

WENDNAGEL & CO., 620 W 22nd, Chicago, Ill.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Wilks S. Mfg. Co., 3517 Shields av, Chicago, Ill.
Young Bros. Co., 6500H Mack av, Detroit, Mich.
Youngstown Boiler & Tank Co., 1054 Mahoning av, Youngstown, O.

14822— Tanks (Welded)

Allan Mfg. & Welding Co., Inc., 728 Washington blvd, Buffalo, N. Y.
See adv index at end of book

AM. SPIRAL PIPE WORKS, Box 485, Chicago, Ill., & 50 Church, New York
See adv index at end of book

Atlas Copper & Brass Mfg. Co., 2736-44 High, Chicago, Ill.
Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
Barker Bros., Inc., 6 Leo pl, Brooklyn, N. Y.
See adv index at end of book
Bittermann F. J. Co., 1401 E Cass, Joliet, Ill.
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Buckeye Boiler Co., Dayton, O.
California Boiler Works, 526 Howard, San Francisco, Cal.
California Corrugated Culvert Co. ("Calco"), Berkeley & Los Angeles, Cal.

CHICAGO BRIDGE & IRON WORKS, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book

Coast Culvert & Flume Co., Col. blvd & Derby, Portland, Ore.
Columbiana Boiler Co., Columbiana, O.
Connery & Co. Inc., 4000 N 2nd, Phila., Pa.
See adv index at end of book
Davis Welding & Mfg. Co., 1110 Richmond, Cincinnati, O.
Dollinger John, Jr., Inc. (Steel), Beaumont, Texas

DUTWILER MFG. CO., 2437 E 23rd, Los Angeles, Cal.

FARRELL MFG. CO. (Steel), Joliet, Ill.
See adv index at end of book

Elyria Enameled Products Co., Elyria, O.
Fouts C. C. Co. ("Duro"), 650 Woodlawn av, Middletown, O.
Gerdes & Co., 42 Church, New York
See adv index at end of book
Graver Corp., 4020 Todd av, East Chicago, Ind. *See adv index at end of book*
Hardesty R. Mfg. Co., 3063 Blake, Denver, Colo.
Heggie James G. & Sons, Inc., Joliet, Ill.
Heil Co. ("Quality" Steel), 1270-1300 26th av, Milwaukee, Wis.
Heltzel Steel Form & Iron Co. The, Warren, O.
See adv index at end of book
Holan Metal Products Co., N 40th & Clark av, Cleveland, O.
Honhorst Jos. Co., 1018 W 6th, Cincinnati, Ohio
Horton Steel Works, Ltd., 118 Janet, Bridgeburg, Ont., Can.
Industrial Welding Co., 207 Guilford av, Baltimore, Md.
Johnson & Thompson, Birmingham, Ala.
Kellogg M. W. Co., 90 West, New York
See adv index at end of book
Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cincinnati, O.
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Lacy Mfg. Co., 601 Washington bldg, Los Angeles, Cal.
Lappan Jas. Mfg. Co., 20th & Pike, Pittsburgh, Pa.
Lasker & Minck, 53 Park pl, New York
Leader Iron Works, 2100 N Jasper, Decatur, Ill.
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
Littleford Bros., 444 E Pearl, Cincinnati, Ohio
See adv index at end of book
Lockport Chemical Works (Steel), Lockport, Ill.
McNamara Bros. Co., Westport, Baltimore, Md.
Manitowoc Engineering Works, Manitowoc, Wis.
Mobile Steel Co., Mobile, Ala.
New York Central Iron Wks. Co. Inc., Dept H, Hagerstown, Md.
Novelty Steam Boiler Works, 917 S Howard, Baltimore, Md.
Ocean Shore Iron Works, 550 8th, San Francisco, Cal.
Ohio Machine & Boiler Co., 1510H University rd, Cleveland, O.
Penna. Furnace & Iron Co., 373 Pine, Warren, Pa.
See adv index at end of book
Puget Sound Sheet Metal Works, 3631 E Marginal Way, Seattle, Wash.
Phoenix Iron Works Co., Meadville, Pa.
Quaker City Iron Wks., Tioga & Richmond, Phila., Pa.

REEVES BROS. CO. THE, Alliance, O.
See adv index at end of book

Robinson A. F. Boiler Works, 2nd & Binney, East Cambridge, Mass.

SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortland, New York
See adv index at end of book

Sharpsville Boiler Works, Sharpsville, Pa.
Standard Boiler & Plate Iron Co., Niles, O.
See adv index at end of book
Standard Water Systems Co. ("Tripure"), **Hampton, N. J.**
Steel Plate Products Co., Pottstown, Pa.
Steel Tank & Pipe Co., Corbin Station, Berkeley, Cal.
Steel Tank & Products Corp., 26 N Jefferson, Chicago, Ill.
Struthers-Wells Co., Warren, Pa.
Tippet & Wood, 162 Howard, Phillipsburg, N. J.
Traylor Engrg. & Mfg. Co., Allentown, Pa.
Treadwell Constr. Co., Midland, Pa.
Union Boiler & Mfg. Co., Dept. H, Lebanon, Pa.
Union Tank & Pipe Co., 2801H Santa Fe av, Los Angeles, Cal.
Welded Products Co., 2700H 7th av, Birmingham, Ala.
Welded Steel Barrel Corp., Hart av & Charlevoix, Detroit, Mich.
Weldex Co., Richmond, Ind.
Western Drop Forge Co., P. O. Box 386, Marion, Ind.

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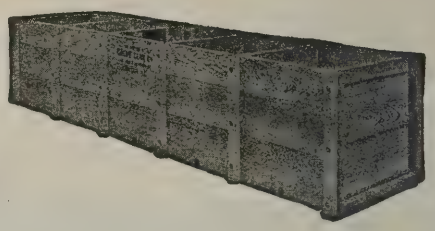
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Wood Tanks and Vats

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14823— Tanks (Wood)

(Names with * also manufacture with Monel Metal Fittings)

ACME TANK COMPANY (& Vats), 43 Cortlandt, New York
See adv index at end of book

Aermotor Co., 2500 W 12th, Chicago, Ill.
Am. Creosoting Co. (Creosoted), Bogalusa, La.
American Mfg. Co., 2101 Louisiana av, New Orleans, La.
American Stave & Cooperage Co., Chelsea, Mass.
American Tower & Tank Co., Elgin, Ill.

AMERICAN WOOD PIPE CO., Tacoma, Wash.

*Atlantic Tank & Barrel Corp., Hoboken, N. J.
Badger Steel Roofing & Corrugating Co., La Crosse, Wis.
Baker Mfg. Co. ("Monitor," Small), Evansville, Wis.
Baltimore Cooperage Co., The, Ostend & Leadenhall, Baltimore, Md.
Barker Bros., Inc., 6 Leo pl, Brooklyn, N. Y.
See adv index at end of book

Beckman Bros., Des Moines, Ia.
Black, Sivalls & Bryson, Bartlesville, Okla.
*Blakeway John H., 105 Beale, San Francisco, Cal.
Briggs & Allyn Mfg. Co. Co., Lawrence, Mass.
*Bucyrus Copper Kettle Works Co., Bucyrus, O.
Butler Co. (Red Louisiana Cypress), Butler, Ind.
Byrne-Turner Co. (Stove), Bellingham, Wash.
*Caldwell W. E. Co., Louisville, Ky.
Cascade Pipe & Flume Co., 2839 W Florida, Seattle, Wash.
Challenge Co., Batavia, Ill.
Clippinger A. B. & Son Mfg. Co., Kansas City, Kan.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Continental Pipe Mfg. Co., 4519 14th av N W, Seattle, Wash.

CORCORAN A. J. (INC.), 745 Jersey av, Jersey City, N. J.
See adv index at end of book

CRAINE SILO CO., INC., 27 Sheldon, Norwich, N. J.
See adv index at end of book
Cullen & Vaughn Co., 450 Dayton, Hamilton, O.
Dallas Cooperage & Woodenware Co., Dallas, Tex.
Davis G. M. & Son (Cypress Tanks, Tubs & Vats), Palatka, Fla.
Dunck Tank Works (Vats), 878 30th, Milwaukee, Wis.
Duplex Mfg. Co., Superior, Wis.
EAGLE TANK CO., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
*Edwards Mfg. Co., Cincinnati, O.
*Emerson & Sack, 77 Haverhill, Boston, Mass.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Federal Pipe & Tank Co., 5334 24th av N W, Seattle, Wash.
*Fleming Tank Co., 3115 Liberty, Pittsburgh, Pa.
Flint & Walling Mfg. Co., Kendallville, Ind.
Freeman Mfg. Co., Racine, Wis.
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(Continued on following page)

CORCORAN WOODEN TANKS

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Wooden Tanks for water supply, chemical and color works, and all other purposes.

Wooden Tanks and Steel Towers for village or factory, fire protection, water supply, etc.

Tanks and towers built in accordance with specifications of National Board of Fire Underwriters or Associated Factory Mutual Fire Insurance Companies.

Galvanizing and Pickling Tanks.

Lead Lined Tanks.

Round or rectangular tanks with copper, brass or Monel metal rods.

MATERIALS USED

The Acme Wood Tanks are built of California Redwood, Washington Fir, Cypress, Yellow Pine and White Cedar.

CAPACITIES AND SIZES

Made in all sizes, round and rectangular, ranging in capacity from 50 to 500,000 gallons. The cylindrical tank is the best form of construction and cheaper than any other. Rectangular and oval tanks are only used when special requirements make it necessary.

List showing sizes, capacities, hooping, weights, etc., sent on request.



40,000 GALLON TANK AND 100' TOWER

ADVANTAGES OF A WOOD TANK

For water supply and fire protection the Insurance authorities allow the use of either steel or wood tanks. Wood tanks do not require painting, although they are often painted for the sake of appearance, and then only on the outside. A steel tank requires painting both inside and outside at frequent intervals, making an item of maintenance which is not present with the use of a wooden tank. This is a small item, but of far greater import is the fact that while the steel tank is being painted the plant loses the use of this equipment and does not have fire protection. Many steel tanks have deteriorated rapidly on account of not being painted because the plant could not shut down to allow the time for this work to be done. In such cases the water will become badly tainted from the corrosion, will not be fit to drink, and may be harmful to the product of the plant if the water is used for industrial purposes. Water stored in a wood tank is always sweet and clean. The three-inch wall of wood in the wood tank will keep the water cool in the hot months and will also protect it from the frost in the cold months.

SHIPMENTS

Shipments can be made to any part of the country from our New York, California or Illinois factories.

GENERAL

Wood tanks are usually built of 2″, 2½″ or 3″ material, according to the size of tank and proposed use. For special purposes they are sometimes built of 4″, 6″ or heavier material. We carry all of these thicknesses in stock. 2″ material can ordinarily be used for capacities to 10,000 gallons.

WOODEN TANKS



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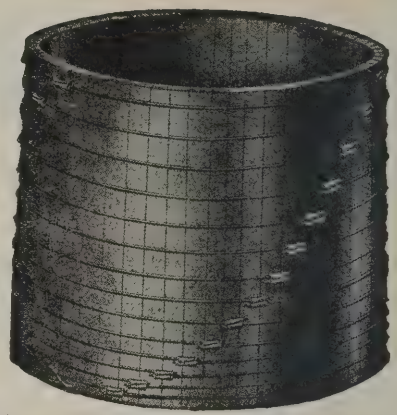
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CO-OPERATIVE SERVICE

A report of the study of action of various acid and chemical solutions on different tank woods resulting from tests made by our chemical engineers, contains much valuable information and will be furnished on request.

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Tanks (Wood)—Continued

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*General Tank Corp., 12 Monitor, Brooklyn, N. Y.
Gouze Ferdinand, Jersey av & 15th, Jersey City, N. J.
Graver Corp., 4020 Todd av, East Chicago, Ind. *See adv index at end of book*
Gray's Harbor Commercial Co. (Fir), ft. of 3rd, San Francisco, Cal.
Hagerty Bros. Co., Peoria, Ill.
*Hall Amos H. & Sons ("Cedar," etc.), Erie & F, Phila., Pa.
HAUSER STANDER TANK CO., Ammen & B. O. Ry., Cincinnati, O. *See adv index at end of book*
Heller-Aller Co. (Pine, Cedar & Cypress), Napoleon, O.
Herbert Vogel & Mark Co., Inc., 18th & Indiana, San Francisco, Cal.
Hightower Box & Tank Co., Atlanta, Ga.
Hooper C. A. & Co., Balboa bldg, San Francisco, Cal.
*Huehn & Co. C. N., Waterloo, Ont., Can.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal) *See adv index at end of book*

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Iowa Wind Mill & Pump Co., Cedar Rapids, Ia.
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Johnson & Carlson, 848 Eastman, Chicago, Ill.
Kalamazoo Tank & Silo Co., Kalamazoo, Mich.
Kimball Tyler Co., 261 S 8th, Baltimore, Md.
*Klieves Lumber Co., Wheeling, W. Va.
Kretchmer Mfg. Co., Council Bluffs, Ia.
*Lappan Mfg. Co. Jos., 20th & Pike, Pittsburgh, Pa.
Leclaire Mfg. Co., Edwardsville, Ill.
Market Mfg. Co., Syracuse, N. Y.
Mayer Tank Mfg. Co., 212 Russell, Brooklyn, N. Y.
Minnesota Tank & Silo Co., 920 6th av, Minneapolis, Minn.
*Munning A. P. & Co. (Cypress), Mattawan, N. J.

NATIONAL TANK & PIPE CO. ("National Quality"), 170 Columbia blvd, Portland, Ore. *See adv index at end of book*

*New England Tank & Tower Co., 42 Main, Everett, Mass.
Northwestern Wind Engine Co., 110 3d av N, Minneapolis, Minn.
Pacific Cooperage, 467 N 20th, Portland, Ore.
Pacific Mfg. Co. (Redwood), Santa Clara, Cal.
Pacific Tank & Pipe Co. (Redwood & Fir for Water, Oil, Mining, Cyanide, etc), 318 Market, San Francisco, Cal.
*Parker Rust Proof Co., Detroit, Mich.
Parkersburg Rig & Reel Co. (For Oil & Water), Parkersburg, W. Va.
Peirce W. E. & Co., Milford, N. H.
Puffer-Hubbard Mfg. Co., 32nd av S & 26th, Minneapolis, Minn.
Quitman Cooperage Co., Quitman, Ga.
Redwood Mfrs. Co. (Cal. Redwood), Hobart bldg, San Francisco, Cal.
Reed & Sherwood Mfg. Co., Anoka, Minn.
Riggs Cypress Co. (Ltd.) (Cypress), Patterson, La.
Roberts T. W., Bradford, Pa.
*Rudman & Scofield, Inc., 277 Pearl, New York
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
San Antonio Machine & Supply Co. (Cypress), San Antonio, Tex.

SCHLICHTER E. F. CO. (Cedar & Cypress), 10 S 18th, Phila., Pa.

Sangel Philip & Son, Louisville, Ky.
Severence Tank & Silo Co., Lansing, Mich.
*Sholes, Inc., 186 Lafayette, New York
Smith Benj. F. Co., Pawtucket, R. I.
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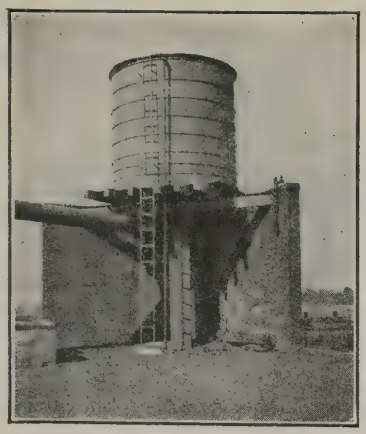
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Twin City Tank, Silo & Specialty Co., 38th av & N E 5th, Minneapolis, Minn.
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Vernier Mfg. Co., Cedar Rapids, Ia.
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Western Cooperage Co., Northwestern Bank bldg, Portland, Ore.
Weyerhaeuser Timber Co., Everett, Wash.
Windeler Geo. Co., 8th & Hooper, San Francisco, Cal.
Woodmanse Mfg. Co., Freeport, Ill.
Woods Bros. Silo & Mfg. Co., Lincoln, Neb.
Woods & Co. (Cypress & Pine), 59 Park pl, New York.
WOOLFORD G. WOOD TANK MFG. CO. (Cedar & Cypress), 72nd & Woodland, Phila, Pa. *See adv index at end of book*
Zelnickner Walter A. Supply Co. (Dealer), 325 Locust, St. Louis, Mo.

14823a—Tanks (Wooden, Elevated)

ACME TANK COMPANY, 43 Cortlandt, New York *See adv index at end of book*
Baker Mfg. Co. ("Monitor"), Evansville, Wis.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
Bennett Bros. Co. ("Ideal"), 51 Payne, Lowell, Pa.
Bethlehem Fabricators, Inc., Bethlehem, Pa.
Caldwell W. E. Co., Brook & D, Louisville, Ky.
Challenge Co., Batavia, Ill.
Church Stephen B., Seymour, Conn.
CORCORAN A. J., INC., 745 Jersey av, Jersey City, N. J.
See adv index at end of book
EAGLE TANK CO., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Elgin Street Sweeper Co., Elgin, Ill.
HAUSER STANDER TANK CO., Ammen & B. & O. Ry., Cincinnati, Ohio
See adv index at end of book
Heller-Aller Co., Napoleon, Ohio
Kalamazoo Tank & Silo Co., Kalamazoo, Mich.
National Tank & Pipe Co. ("National Quality"), 170 Columbia blvd, Portland, Ore. *See adv index at end of book*
New England Tank & Tower Co., 42 Main, Everett, Mass.
See adv index at end of book
Pacific Tank & Pipe Co., 320 Market, San Francisco, Cal.
Rusling Co., 26 Cortlandt, New York
Stevens Tank & Tower Co., Auburn, Me.
U. S. Wind Engine & Pump Co., Water, Batavia, Ill.
Wendnagel & Co., 620 S 22nd, Chicago, Ill.
WOOLFORD G. WOOD TANK MFG. CO., 72nd & Woodland, Phila., Pa.
See adv index at end of book

14823b—Tanks & Receivers (Air)

Connery & Co. Inc., 4000 N 2nd, Phila., Pa.
See adv index at end of book
Dravo Contracting Co., 1100 Diamond Bank bldg, Pittsburgh, Pa.
Hoag A. W. & Co., Reading, Pa.
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
Oil City Boiler Wks., Oil City, Pa.
Scaife Wm. B. Sons Co., 1st Nat'l. Bank bldg, Pittsburgh, Pa. & 26 Cortlandt, New York. *See adv index at end of book*
Standard Boiler & Plate Iron Co., Niles, O
See adv index at end of book
Traylor Engrg. & Mfg. Co., Allentown, Pa.
Union Tank & Pipe Co., 2801 Sante Fe av, Los Angeles, Cal.
Walsh & Weidner Boiler Co., W Main & Ash, Chattanooga, Tenn.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Worthington Pump & Machy. Corp., 115 Broadway, New York

Tanks & Towers

See Tanks (Steel, Elevated)

14824-5—Tanks & Towers (Copper)

Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
Johnson & Thompson, Birmingham, Ala.
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Krenz Oscar Copper & Brass Co., San Francisco, Cal.
Randolph-Clowes Co. (Seamless Drawn), Waterbury, Conn.

14825a— Tantalite

Foote Mineral Co., 107 N 19th, Phila., Pa.

14826— Tantalum (Metallic)

Foote Mineral Co., 109 19th, Phila., Pa.
Pfanstiehl Co., N. Chicago, Ill.

14826a— *Tap Extensions

Allen Mfg. Co. ("Allen"), 133 Sheldon, Hartford, Conn.

14827— Tap & Drill Sets

Cleveland Twist Drill Co (Drills only), 1 E 49th, Cleveland, O.
See adv index at end of book
WHITMAN & BARNES MFG. CO., Akron, Ohio *See adv index at end of book*

14828— Tape (Advertising)

California Binding Co., 272 Sutter, San Francisco, Cal.
Neuer & Hoffman, 75 Grand, New York
Reis G. & Bro. 900 B'way, New York

14829— Tape (Chain)

Hughes Bros., Scranton, Pa.
Ulmer J. C. Co. ("Lucas" Steel), E 38th & Kelly, Cleveland, O.

14830— Tape (Friction)

Chicago Mica Co. (Linen, Mica, etc.), Campbell, Valparaiso, Ind.
See adv index at end of book
Dunton M. W. Co. ("Black Diamond"), Providence, R. I.
Goodyear Tire & Rubber Co., Inc. ("Goodyear"), 1144 E Market, Akron, Ohio
Mitchell-Rand Mfg. Co., 26 Vesey, New York
Roeblings John & Sons Co., Trenton, N. J.
See adv index at end of book
Smith E. M. Co., 612-40 S Clarence, Los Angeles, Cal.

(Continued on following page)



WOOD TANKS

CEDAR—CYPRESS—WHITE PINE — FIR

STORAGE and SPRINKLER Tanks — 100 to 100,000 Gallons. Manufacturing Plants. Railroad Supply. Municipal and Private Water Works. Steel or Wood Towers. Estimated with or without erection.

We manufacture Tanks for Textile and Dye Plants, Chemical and Fertilizer Plants, Industrial Alcohol, Cider and Vinegar Plants, Canneries, Paper Mills and all other Industrial usages.

For Detailed Information ask for Catalog, or see Sweet's Engineering Catalog, Consolidated Textile Catalog, Chemical Engineering Catalog, Paper and Pulp Mill Catalog.

RECTANGULAR TANKS or those of any other Shape, Plain or lined with Monel Metal, Lead, Pitch or Asphaltum.



(SINCE 1854)

G. WOOLFORD WOOD TANK MFG. CO.

72nd and Woodland Ave. PHILADELPHIA, PA.

Tape (Friction)—Continued

U. S. Rubber Co. ("Enduro," "Gray Perfection," "U. S. Holdtite," "Utility"), 1790 Broadway, New York
See adv index at end of book

"U. S." Holdtite FRICTION TAPE
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

14831— Tape (Insulating)

See also Sleeving, Cotton

American Electrical Works ("Century"), Philipsdale, R. I.
Anchor Webbing Co. (Cotton), Pawtucket, R. I.
Asbestos Materials Co., Millington, N. J.
Belden Mfg. Co., 2316 S Western av, Chicago, Ill.
Boston Woven Hose & Rubber Co. ("Bull Dog," "B. W. H.," "Wizard," "Magic," "Brownie," "Tiger," "Evergrip," "Dauntless," "Service," "Leader," "Vigo," "Magnet" Splicing Compound, "Alexall," "Wizard," Sterling; also White Tape for Armatures, & "Evergrip' for Auto Bicycle Tires), Cambridge, Mass.
Burnley Battery & Mfg. Co., North East, Pa.
Canfield Rubber Co., 708 Railroad av, Bridgeport, Conn.
Carey Philip Mfg. Co. (Asbestos), 330 Wayne av, Lockland, Cincinnati, O.
Carter, Rice & Corp. ("Crowell"), 246 Devonshire, Boston, Mass.
Chicago Mica Co. (Oiled Cambric, Bias & Straight Cut; Also Linen & Cotton), Campbell, Valparaiso, Ind.
See adv index at end of book
Cincinnati Rubber Mfg. Co. ("Cinrubco" Friction), Cincinnati, O.
Clifton Mfg. Co., 65 Brookside av, Jamaica Plain, Boston, Mass.
Combination Rubber Mfg. Co. (Friction), Bloomfield, N. J.
D. & W. Fuse Co., Providence, R. I.
Diamond H. (Holfast Sales Co.) ("2-Plex"), 43 Fairlie, Atlanta, Ga.
Dielectric Mfg. Co. (Friction), 224 S Vandeventer av, St. Louis, Mo.
Dunton M. W. Co. ("Black Diamond," "23," "Verifax"), 150 Niagara, Providence, R. I.
Electric Appliance Co. (Eaco"), 701 W Jackson blvd, Chicago, Ill.
Electric Material Co. (Columbia"), 618 W. Jackson blvd., Chicago, Ill.
Elkhart Rubber Works, Elkhart, Ind.
FRICK & LINDSAY CO. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
General Asbestos & Rubber Co. (Perfect Adjustable, Gasket), Dept. H, Charleston, S. C.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Goodrich B. F. Co., Akron, O.
Gorham-Revere Rubber Co., 50 Fremont, San Francisco, Cal.
Habirshaw Elec Cable Co., 10 E 43d, New York
Hope Webbing Co. (Cotton Tape), 1005 Main, Providence, R. I.
Indiana Rubber & Insulated Wire Co., P. O. Box 192, Jonesboro, Ind.
International Braid Co. (Cotton), 47 Charles, Providence, R. I.
Irvington Varnish & Insulator Co., Irvington, N. J.
Johns-Manville Inc., Madison av & 41st, New York
Kerite Insulated Wire & Cable Co. (Kerite), 30 Church, New York
Lehon Co., 4451 S Oakley, Chicago, Ill.
See adv index at end of book.
Meirowsky Bros. Jersey City, N. J.
Mica Insulator Co. ("Linotape" Oiled Tape, "Mico," "Kablak"), 68 Church, New York
Mica Mfg. Co. ("Micasmiths"), 135 Jackson, Brooklyn, N. Y.
Minerallac Electric Co., 1045 Washington blvd, Chicago, Ill.
National India Rubber Co., Bristol, R. I.
National Rubber & Specialties Co. ("Red Cross"), Winton pl, Cincinnati, Ohio
New Jersey Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
New York Insulated Wire Co. ("Grimshaw," Competition Brands, both Friction and Rubber), 84 State, Boston, Mass.
Okonite Co. ("Okonite" "Mason"), Passaic, N. J.
Pettingell-Andrews Co. ("O. K." "Exemplar"), 166 Pearl, Boston, Mass.
Railroad Supply Co., 203 S Dearborn, Chicago, Ill.
Revere Rubber Co. ("V," "Z"), Chelsea, Mass.
Roeblings John & Sons, Trenton, N. J.
See adv index at end of book

RUBEROID CO., THE ("P. & B.," "Ruberoid"), 95 Madison av, New York
See adv index at end of book

RU-BER-OID
Insulating Tape
P & B Insulating Tape
The oldest and best known weatherproof and waterproof insulating tape for out of door and underground work. It is acid proof and may be stored without risk of deterioration.
The RUBEROID Co.
95 Madison Avenue New York

St. Louis Rubber Cement Co. (Friction), 3948 W Pine, St. Louis, Mo.
Schenectady Lionite Co., Schenectady, N.Y.
Smith E. M. Co. ("Emsco"), 612-42 S Clarence, Los Angeles, Cal.
Standard Underground Cable Co., 17th & Pike, Pittsburgh, Pa.
U. S. Asbestos Co. (Asbestos), Lancaster, Pa.
U. S. RUBBER CO. ("U. S. Relio" Splicing Compound), 1790 Broadway, New York
See adv index at end of book
Van Cleef Bros., 7711 Woodlawn av, Chicago, Ill.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

14832— Tape (Lead)

Chadwick-Boston Lead Co., Boston, Mass.
Eagle Picher Lead Co., 208 S La Salle, Chicago, Ill.
Hoyt Metal Co., Boatmans Bank bldg, St. Louis, Mo.

14833— Tape (Metal)

Roovers Bros. (for Embossing Machines), 100 Schermerhorn, Brooklyn, N. Y.

14834— Tape (Waterproof)

Okonite Co., Passaic, N. J.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

14835—Tapering Roll & Swedger (Combined)

Ajax Elec. Specialty Co., 1011 Market, St. Louis, Mo.
Arrow Electric Co., 103 Hawthorne, Hartford, Conn.
Hart & Hegeman Mfg. Co., 342 Capitol av, Hartford, Conn.
Rock River Machine Co., Janesville, Wis.
Ryerson Jos. T. & Son, Inc. (For Spring Shop Work), 2558 W 16th, Chicago, Ill.
See adv index at end of book
Trumbull Elec. Mfg. Co., Woodford av, Plainville, Conn.

14836— Tapes (Gummed)

Adhesive Paper Products Co. ("Handy Roll"), 3343 Fillmore, San Francisco, Cal.
Anderson W. H. Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Brown Paper Co., 1220 Spruce, St. Louis, Mo.
California Binding Co., 272 Sutter, San Francisco, Cal.
California Binding Co. ("Vigoret" & "Kwik-Mend," Plain & Printed), 272 Sutter, San Francisco, Cal.
Chicago Gum Tape Co., 317 E Illinois, Chicago, Ill.
Crowell Corp., 34 35th, Brooklyn, N. Y.
Eisler Anthony & Co., 227 Canal, New York
FAIRBAIRN & COMPANY, 128 Halleck, San Francisco, Cal.
Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.
McLaurin-Jones Co., Brookfield, Mass.
Metal Specialties Mfg. Co. (All Widths, "Presto"), Dept. H, 338 N Kedzie av, Chicago, Ill.
Mott Wallace A. (Plain & Printed), Norwalk, Conn.
National Binding Machine Co. (Printed), 291 B'way, New York
Package Sealing Corp., 188 Flatbush av, Brooklyn, N. Y.
Page Fred M. & Co., West Lyon, Mass.
Powell Sealer & Tape Mfg. Co. (Printed), Westerville, O.
Rexford Gummed Tape Co., Milwaukee, Wis.
Thomas Stationery Mfg. Co., Springfield, O.

14837— Tapes (Measuring)

Brown W. G. Mfg. Co., Kingston, N. Y.
Chicago Steel Tape Co. (For Surveyors), 6231 Cottage Grove av, Chicago, Ill.
Chicago Tape & Label Co. (Tailors' Linen), 521 N Spaulding av, Chicago, Ill.
Crogan Mfg. Co. ("One Man" Steel), Bangor, Me.
Dietzgen Eugene Co. (Steel, etc), 166 W Monroe, Chicago, Ill.
Johnston Robt. (Steel Tape & Reel), Wilkes-Barre, Pa.
Keuffel & Esser Co. ("Keco," "Liliput" Steel, Metallic & Linen), Hoboken, N. J.
Keystone Blue Paper Co., 910 Filbert, Philadelphia, Pa.
Lufkin Rule Co. (All Kinds, "Reliable," "Challenge," "Rival," "Banner" Steel Tape), Saginaw, Mich.
Mitchell-Rand Mfg. Co., 26 Vesey, New York
Moser Mfg. Co. (Steel up to 5000 ft. long), Kane, Pa.
Roe Justus & Sons (Steel), Patchogue, N. Y.
Seelig R. & Son, 231 N 5th av, Chicago, Ill.
Starrett L. S. Co. (Steel), Athol, Mass.
Ulmer J. C. Co. ("Lucas" Steel Chain), 1791 E 38th, Cleveland, Ohio
Union Tool Co. (Steel Protectors Bevel), Orange, Mass.
Weber Co. F., 1220 Buttonwood, Philadelphia, Pa.
Wiebusch & Hilger ("Chesterman" Imp. Steel, Metallic & Linen), 106 Lafayette, New York

14837a— Tapes (Name)

Sterling Name Tape Co. (for Identification), Winsted, Conn.

14838— Tapes (Pocket)

Lufkin Rule Co., Saginaw, Mich.
Weber Co. F. 1220 Buttonwood, Philadelphia, Pa.

14839—Tapes & Webbing for Dynamos, Etc.

Barton F. C., 65 Worth, New York
Empire Mfg. Co., Lockport, N. Y.
Hope Webbing Co., 1005 Main, Providence, R. I.
Mica Insulator Co., 68 Church, New York
Mitchell-Rand Mfg. Co., 26 Vesey, New York
Oeters Edgar O. Co., 603 Arch, Phila., Pa.
Sidebotham John Inc., 4317 Griscom, Phila., Pa.

14839a— Tappets

Rich Tool Co., Railway Exchange bldg, Chicago, Ill.

14840—*Tapping Attachments

See also Tapping Attachments (Drilling Machines)

Cleveland Specialty & Mfg Co, Cleveland, O.
Consolidated Mach. Tool Corp. of America ("Modern"), Rochester, N. Y.
See adv index at end of book
Eastern Tube & Tool Co., Inc., 594 Johnson av, Brooklyn, N. Y.
See adv index at end of book

14841—Tapping Attachments (Drilling Machines)

Beaman & Smith Co. (Safety Friction Type), Providence, R. I.
Bicknell-Thomas Co. (Friction Driven), Greenfield, Mass.
Eastern Tube & Tool Co., Inc., 594 Johnson av, Brooklyn, N. Y.
See adv index at end of book
Errington F. A. (Automatic Reverse & Safety Friction Type), 11 John, New York
Geometric Tool Co. ("Jarvis" High Speed Tapping Device), New Haven, Conn.
Hoefer Mfg. Co., Freeport, Ill.
Jarvis Charles L. Co. ("Jarvis" Ball Drive), Gildersleeve, Conn.
McCrosky Tool Corp. (Reversing & Variable Speed), Dept. H, Meadville, Pa.
Procunier Wm. L. ("Double Jaw" Safety), 18 S Clinton, Chicago, Ill.
Whitney Mfg. Co. ("Holm," Safety Friction Type), Hartford, Conn.

14842— Taps (Adjustable)

Alvord Reamer & Tool Co. ("X-Cel"), Millersburg, Pa.
Carpenter J. M. Tap & Die Co. ("French's," etc), Pawtucket, R. I.
Conant & Donelson Co. ("Reliable"), Conway, Mass.
Geometric Tool Co. ("Geometric" Collapsing), New Haven, Conn.
Moore & Moore, Inc. (Dirs.), H Colonial Trust bldg, Reading, Pa.
Murchey Machine & Tool Co., 951H Porter, Detroit, Mich.
Victor Tool Co. ("Victor"), Waynesboro, Pa.

14843—Taps (Automobile & Vehicle)

Chanslor & Lyon Co., 730 Polk, San Francisco, Cal.
Greenfield Tap & Die Corp. ("G. T. D."), Greenfield, Mass.
Moore & Moore, Inc. (Dirs.), H Colonial Trust bldg, Reading, Pa.
Wells Corporation (The), 15 Arch, Greenfield, Mass. *See adv index at end of book*



TAPS and DIES

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These tools are the best known of the famous small tools which bear the Pratt & Whitney trademark. You'll find them in every shop where accuracy and high speed are required.

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Small Tool Catalogue No. 11 Gives the Information You Need

PRATT & WHITNEY CO.

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Works: Hartford, Conn.

14844—Taps (Beaman & Smith Holder)

Bay State Tap & Die Co., Mansfield, Mass.
Brady, F. A., Inc., 30 Church, New York
Card S. W. Mfg. Co., Mansfield, Mass.
Carpenter J. M. Tap & Die Co., Pawtucket, R. I.
Greenfield Tap & Die Corp. ("G. T. D."), Greenfield, Mass.
Keystone Reamer & Tool Co., Dept. H, Millersburg, Pa.
Moore & Moore, Inc. (Dirs.), H Colonial Trust bldg, Reading, Pa.
Reiff & Nestor Co., Lykens, Pa.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Republic Tool & Mfg. Co., 1401 W Ninth, Cleveland, Ohio
Standard Tool Co., 6700 Central av, Cleveland, O.
Toledo Tap Co., Clinton, Toledo, Ohio
Winter Brothers Co. ("Thistle"), Wrentham, Mass.

14845— Taps (Bit Brace)

Alvord Reamer & Tool Co., Dept. H, Millersburg, Pa.
Brady, F. A., Inc., 30 Church, New York
Card S. W. Mfg. Co., Mansfield, Mass.
Carpenter J. M. Tap & Die Co., Pawtucket, R. I.
Hartford Tap & Gauge Co. ("Hanson Process"), 169 Bartholomew av, Hartford, Conn.
Keystone Reamer & Tool Co., Dept. H, Millersburg, Pa.
Moore & Moore, Inc. (Dirs.), H Colonial Trust bldg, Reading, Pa.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Reiff & Nestor Co., Lykens, Pa.
Republic Tool & Mfg. Co., 1401 W Ninth, Cleveland, Ohio
Russell Mfg. Co. ("Russell"), Greenfield, Mass.
Wells Corporation (The), 15 Arch, Greenfield, Mass. *See adv index at end of book*

14846— Taps (Blacksmiths')

Alvord Reamer & Tool Co., Dept. H, Millersburg, Pa.
Besly Chas. H. & Co., 118 N Clinton, Chicago, Ill.
Brady, F. A., Inc., 30 Church, New York
Butterfield & Co., Derby Line, Vt.
Carpenter J. M. Tap & Die Co. (Taper), Pawtucket, R. I.
Champion Blower & Forge Co., Lancaster, Pa.
Hart Mfg. Co., Cleveland, O.
Keystone Reamer & Tool Co., Dept. H, Millersburg, Pa.
Moore & Moore, Inc. (Dirs.), H Colonial Trust bldg, Reading, Pa.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
Polk A. J. & Son Co. (Taper, etc), Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Republic Tool & Mfg. Co., 1401 W Ninth, Cleveland, Ohio
Williams Drop Forging Co., Scranton, Pa.

Taps (Boiler)

See Taps, Patch Bolt

14847—Taps (Boiler, Straight & Taper)

Brady F. A. Inc , 30 Church, New York
Greenfield Tap & Die Corp. ("G. T. D."), Greenfield, Mass.
Reiff & Nestor Co., Lykens, Pa.
Wells Corporation (The), 15 Arch, Greenfield, Mass. *See adv index at end of book*

14848— *Taps (Bottoming)

Brady F. A., Inc., 30 Church, New York
Greenfield Tap & Die Corp. ("G. T. D."), Greenfield, Mass.
Wells Corporation (The), 15 Arch, Greenfield, Mass. *See adv index at end of book*

14848a—Taps (British Association)

Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book

14849— Taps (Champagne)

Landers Frary & Clark, New Britain, Conn.
Morgan Silver Plate Co., Winsted, Conn.
Ray Geo. A. Mfg. Co. (Nickel Plated), 1495 Niagara, Buffalo, N. Y.
Williamson C. T. Wire Novelty Co. ("Williamson" Gas Tight), Badger av, Newark, N. J.

14850— Taps (Collapsible)

Consolidated Mach. Tool Corp. of America ("Modern" Adjustable), Rochester, N. Y. *See adv index at end of book*
Eastern Mach. Screw Corp. ("H. & G."), New Haven, Conn.
Errington F. A., 11 John, New York
Geometric Tool Co. ("Geometric," Adjustable), New Haven, Conn.
Manufacturers Equipment Co., Waller & Fillmore, Chicago, Ill.
Moore & Moore, Inc. (Dirs.), H Colonial Trust bldg, Reading, Pa.
Murchey Mach. & Tool Co. ("Murchey" Automatic; Also Collapsing Tap & Reamer Combined, 951H Porter, Detroit, Mich.
National Acme Co. ("Namo"), 7500 Stanton av, S E Cleveland, O.
Rickert Shafer Co. ("R. S."), Erie, Pa.
Victor Tool Co. ("Victor"), Waynesboro, Pa.

14851—Taps (Combined Drill & Reamer)

Brady F. A. Inc., 30 Church, New York
Hollands Mfg. Co., 352 E 13th, Erie, Pa.
Moore & Moore Inc. (Dirs.), H, Colonial Trust bldg, Reading, Pa.
Mueller H. Mfg. Co., Decatur, Ill.
See adv index at end of book
Polk A. J. & Son Co., Millersburg, Pa.
Reiff & Nestor Co., Lykens, Pa.
Standard Tool Co., 6700 Central av, Cleveland, O.
Whitman & Barnes Mfg. Co., Akron, O.
See adv index at end of book

14851a— Taps (Coupling)

Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book

Taps (Current)

See Taps, Electric Current

14852— Taps (Die)

Alvord Reamer & Tool Co., Dept. H, Millersburg, Pa.
Bay State Tap & Die Co., Mansfield, Mass.
Brady F. A. Inc., 30 Church, New York
Carpenter J. M. Tap & Die Co., Pawtucket, R. I.
Dixon Wm. (For Jewelers), 119 Fulton, New York
Keystone Reamer & Tool Co., Dept. H, Millersburg, Pa.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Reiff & Nestor Co., Lykens, Pa.
Republic Tool & Mfg. Co., 1401 W Ninth, Cleveland, Ohio
Russell Mfg. Co. ("Russell"), Greenfield, Mass.
Sheffield Machine & Tool Co., Dayton, O.
Wells Corporation (The), 15 Arch, Greenfield, Mass. *See adv index at end of book*

14853—Taps (Electric Current)

BRYANT ELECTRIC CO., 1421 State, Bridgeport, Conn.
Esler Electric Mfg. Co. ("Jiffy"), Marion, Ind.
Hubbell Harvey (Inc.), Bridgeport, Conn.
Jordan Bros., 74 Beekman, New York
Manhattan Electrical Supply Co. ("Mesco"), 17 Park pl, New York
Westinghouse Electric Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

14854— Taps (Gas Fixture)

Brady F. A. Inc., 30 Church, New York
Greenfield Tap & Die Corp. ("G. T. D."), Greenfield, Mass.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Reiff & Nestor Co., Lykens, Pa.
Wells Corporation (The), 15 Arch, Greenfield, Mass. *See adv index at end of book*

14855— Taps (Hand)

Alvord Reamer & Tool Co., Dept. H, Millersburg, Pa.
Brady F. A. Inc., 30 Church, New York
Greenfield Tap & Die Corp. ("G. T. D." Taper, Plug & Bottoming; also "Gun" Taps, All Standards), Greenfield, Mass.
Moore & Moore Inc. (Dirs.), H, Colonial Trust bldg, Reading, Pa.
PRATT & WHITNEY CO., Hartford, Conn.
See adv index at end of book
Reiff & Nestor Co., Lykens, Pa.
Republic Tool & Mfg. Co., 1401 W Ninth, Cleveland, Ohio
Toledo Tap Co., Clinton, Toledo, Ohio
WELLS CORPORATION (THE), 15 Arch, Greenfield, Mass.
See adv index at end of book

14856— Taps (Hob)

Bay State Tap & Die Co., Mansfield, Mass.
Besly Chas. H. & Co., 118 N Clinton, Chicago, Ill.
Brady F. A. Inc., 30 Church, New York
Card S. W. Mfg. Co. (Short or Long, also Master), Mansfield, Mass.
Greenfield Tap & Die Corp. ("G. T. D." Short Plug & Pipe), Greenfield, Mass.
Moore & Moore Inc. (Dirs.), H, Colonial Trust bldg, Reading, Pa.
Morse Twist Drill & Machine Co. ("Morse," Hob or Master; also Sellers; also Short Plug), New Bedford, Mass.
Polk A. J. & Son Co. (Sellers), Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Russell Mfg. Co. ("Russell"), Greenfield, Mass.
Wells Corporation (The), 15 Arch, Greenfield, Mass. *See adv index at end of book*
Winter Bros. Co., Wrentham, Mass.

14857—*Taps (Horse Shoe)

Reiff & Nestor Co., Lykens, Pa.

14858—Taps (Interrupted Thread)

Pratt & Whitney Co. ("Echols"), Hartford, Conn.
See adv index at end of book

14859— Taps (Locomotive)

Alvord Reamer & Tool Co., Dept. H, Millersburg, Pa.
Brady F. A. Inc., 30 Church, New York
Greenfield Tap & Die Corp. ("G. T. D." "Magic"), Greenfield, Mass.
Keystone Reamer & Tool Co., Dept. H, Millersburg, Pa.
Republic Tool & Mfg. Co., 1401 W Ninth, Cleveland, Ohio
Wells Corporation (The), 15 Arch, Greenfield, Mass. *See adv index at end of book*

14860— Taps (Machine)

Alvord Reamer & Tool Co., Dept. H, Millersburg, Pa.
Besly Chas. H. & Co. ("Besly"), 118 N Clinton, Chicago, Ill.
Bissel F. Co., Toledo, O.
Brady F. A. Inc., 30 Church, New York
Greenfield Tap & Die Corp. ("G. T. D." & "Gun" Taps), Greenfield, Mass.
Keystone Reamer & Tool Co., Dept. H, Millersburg, Pa.
Moore & Moore Inc. (Dirs.), H, Colonial Trust bldg, Reading, Pa.
Republic Tool & Mfg. Co., 1401 W Ninth, Cleveland, Ohio
Wells Corporation (The), 15 Arch, Greenfield, Mass. *See adv index at end of book*

14861—Taps (Machine Nut)

Alvord Reamer & Tool Co., Dept. H, Millersburg, Pa.
Bay State Tap & Die Co., Mansfield, Mass.
Besly Chas. H. & Co., 118 N Clinton, Chicago, Ill.
Brady F. A. Inc., 30 Church, New York
Brown H. B. Co. (Nut Threading), East Hampton, Conn.
Brubaker W. L. & Bros., Millersburg, Pa.
Butterfield & Co. ("Derby"), Derby Line, Vt.
Card S. W. Mfg. Co., Mansfield, Mass.
Carpenter J. M. Tap & Die Co., Pawtucket, R. I.
Greenfield Tap & Die Corp. ("G. T. D."), Greenfield, Mass.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Keystone Reamer & Tool Co., Dept. H, Millersburg, Pa.
Moore & Moore Inc. (Dirs.), H, Colonial Trust bldg, Reading, Pa.
Polk A. J. & Son Co., Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn. *See adv index at end of book*
Reiff & Nestor Co., Lykens, Pa.
Republic Tool & Mfg. Co., 1401 W Ninth, Cleveland, Ohio
Reynolds James Mfg. Co., 99 Mill River, New Haven, Conn.
Russell Mfg. Co. ("Russell"), Greenfield, Mass.
Wells Corporation, The, 15 Arch, Greenfield, Mass. *See adv index at end of book*
Winter Bros. Co., Wrentham, Mass.

14862—Taps (Machine Screw)

Alvord Reamer & Tool Co., Dept. H, Millersburg, Pa.
Bay State Tap & Die Co., Mansfield, Mass.
Besly Chas. H. & Co., 118 N Clinton, Chicago, Ill.
Brady F. A. Inc., 30 Church, New York
Brubaker W. L. & Bros., Millersburg, Pa.
Butterfield & Co., Derby Line, Vt.
Card S. W. Mfg. Co., Mansfield, Mass.
Carpenter J. M. Tap & Die Co., Pawtucket, R. I.
Corbin Screw Corp., New Britain, Conn.
Greenfield Tap & Die Corp. ("G. T. D."), Greenfield, Mass.
Keystone Reamer & Tool Co., Dept. H, Millersburg, Pa.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
Polk A. J. & Son Co., Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn. *See adv index at end of book*
Reiff & Nestor Co., Lykens, Pa.
Republic Tool & Mfg. Co., 1401 W Ninth, Cleveland, Ohio
Reynolds James Mfg. Co., 99 Mill River, New Haven, Conn.
Russell Mfg. Co. ("Russell"), Greenfield, Mass.
Waltham Screw Co., Waltham, Mass.
Wells Corporation, The, 15 Arch, Greenfield, Mass. *See adv index at end of book*
Winter Bros. Co. ("Thistle"), **Wrentham, Mass.**

14863—Taps (Machinists' Hand)

Alvord Reamer & Tool Co., Dept. H, Millersburg, Pa.
Bay State Tap & Die Co., Mansfield, Mass.
Besly Chas. H. & Co., 118 N Clinton, Chicago, Ill.
Brady F. A. Inc., 30 Church, New York
Brubaker W. L. & Bros., Millersburg, Pa.
Butterfield & Co., Derby Line, Vt.
Card S. W. Mfg. Co. ("Paragon"), Mansfield, Mass.
Carpenter J. M. Tap & Die Co., Pawtucket, R. I.
Greenfield Tap & Die Corp. ("G. T. D." Taper Plug & Bottoming), Greenfield, Mass.
Hart Mfg. Co. ("Duplex"), Cleveland, O.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Keystone Reamer & Tool Co., Dept. H, Millersburg, Pa.
Moore & Moore (Dirs.), H, Colonial Trust bldg, Reading, Pa.
Morse Twist Drill & Mach. Co. ("Morse"), New Bedford, Mass.
Polk A. J. & Son Co., Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn. *See adv index at end of book*
Republic Tool & Mfg. Co., 1401 W Ninth, Cleveland, Ohio
Reynolds James Mfg. Co., 99 Mill River, New Haven, Conn.
Wells Corporation, The, 15 Arch, Greenfield, Mass. *See adv index at end of book*
Winter Bros. Co. ("Thistle"), Wrentham, Mass.

14863a— Taps (Metric)

Brady F. A. Inc., 30 Church, New York
Greenfield Tap & Die Corp. ("G. T. D.," Mud Plug or Wash-Out), Greenfield, Mass.
Moore & Moore (Dirs.), H, Colonial Trust bldg, Reading, Pa.
Wells Corporation, The, 15 Arch, Greenfield, Mass. *See adv index at end of book*

14864—Taps (Mud Plug or Wash-Out)

Alvord Reamer & Tool Co., Dept. H, Millersburg, Pa.
Brady F. A. Inc., 30 Church, New York
Card S. W. Mfg. Co., Mansfield, Mass.
Greenfield Tap & Die Corp. ("G. T. D."), Greenfield, Mass.
Keystone Reamer & Tool Co., Dept. H, Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn. *See adv index at end of book*
Reiff & Nestor Co., Lykens, Pa.
Wells Corporation, The, 15 Arch, Greenfield, Mass. *See adv index at end of book*

14865— Taps (Patch Bolt)

Bay State Tap & Die Co., Mansfield, Mass.
Besly Chas. H. & Co., 118 N Clinton, Chicago, Ill.
Brady F. A. Inc., 30 Church, New York
Brubaker W. L. & Bros., Millersburg, Pa.
Card S. W. Mfg. Co., Mansfield, Mass.
Carpenter J. M. Tap & Die Co., Pawtucket, R. I.
Greenfield Tap & Die Corp. ("G. T. D."), Greenfield, Mass.
Keystone Reamer & Tool Co., Dept. H, Millersburg, Pa.
Moore & Moore (Dirs.), H, Colonial Trust bldg, Reading, Pa.
Morse Twist Drill & Mach. Co. ("Morse"), New Bedford, Mass.
Pawtucket Mfg. Co., Pawtucket, R. I.
Polk A. J. & Son Co., Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn. *See adv index at end of book*
Republic Tool & Mfg. Co., 1401 W Ninth, Cleveland, Ohio
Reiff & Nestor Co., Lykens, Pa.
Russell Mfg. Co. ("Russell"), Greenfield, Mass.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Toledo Tap Co., Clinton, Toledo, Ohio
Wells Corporation, The, 15 Arch, Greenfield, Mass. *See adv index at end of book*
Winter Bros. Co., Wrentham, Mass.

14866— Taps (Plug)

Alvord Reamer & Tool Co., Dept. H, Millersburg, Pa.
Bachelder & Co., 234 Mt. Vernon, Lowell, Mass.
Brady F. A. Inc., 30 Church, New York
Greenfield Tap & Die Corp. ("G. T. D."), Greenfield, Mass.
Keystone Reamer & Tool Co., Dept. H, Millersburg, Pa.
Moore & Moore (Dirs.), H, Colonial Trust bldg, Reading, Pa.
Republic Tool & Mfg. Co., 1401 W Ninth, Cleveland, Ohio
Toledo Tap Co., Clinton, Toledo, Ohio
Walworth Mfg. Co., 82H Pearl, Boston, Mass.
Wells Corporation, The, 15 Arch, Greenfield, Mass. *See adv index at end of book*

14867— Taps (Pulley)

Alvord Reamer & Tool Co., Dept. H, Millersburg, Pa.
Bay State Tap & Die Co., Mansfield, Mass.
Besly Chas. H. & Co., 118 N Clinton, Chicago, Ill.
Brady F. A. Inc., 30 Church, New York
Brubaker W. L. & Bros., Millersburg, Pa.
Butterfield & Co., Derby Line, Vt.
Card S. W. Mfg. Co., Mansfield, Mass.
Carpenter J. M. Tap & Die Co., Pawtucket, R. I.
Greenfield Tap & Die Corp. ("G. T. D."), Greenfield, Mass.
Keystone Reamer & Tool Co., Dept. H, Millersburg, Pa.
Moore & Moore (Dirs.), H, Colonial Trust bldg, Reading, Pa.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
Polk A. J. & Son Co., Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn. *See adv index at end of book*
Republic Tool & Mfg. Co., 1401 W Ninth, Cleveland, Ohio
Russell Mfg. Co. ("Russell"), Greenfield, Mass.
Wells Corporation, The, 15 Arch, Greenfield, Mass. *See adv index at end of book*
Winter Bros. Co., Wrentham, Mass.

14868— Taps (Screw)

Alvord Reamer & Tool Co., Dept. H, Millersburg, Pa.
Brady F. A. Inc., 30 Church, New York
Keystone Reamer & Tool Co., Dept. H, Millersburg, Pa.
Reiff & Nestor, Lykens, Pa
Toledo Tap Co., Clinton, Toledo, Ohio

14869-70— Taps (Serial)

Brady F. A. Inc., 30 Church, New York
Greenfield Tap & Die Corp. ("G. T. D.," Hand), Greenfield, Mass.
Moore & Moore (Dirs.), H, Colonial Trust bldg, Reading, Pa.
Pratt & Whitney Co., Hartford, Conn. *See adv index at end of book*
Reiff & Nestor Co., Lykens, Pa.
Republic Tool & Mfg. Co., 1401 W Ninth, Cleveland, Ohio

14871—*Taps (Spindle Staybolt)

Brady F. A. Inc., 30 Church, New York
Greenfield Tap & Die Corp. ("G. T. D."), Greenfield, Mass.
Reiff & Nestor Co., Lykens, Pa.

14871a—*Taps (Spiral Fluted)

WELLS CORPORATION, THE ("Threadwell"), 15 Arch, Greenfield, Mass. *See adv index at end of book*

14872— Taps (Stay Bolt)

Bay State Tap & Die Co., Mansfield, Mass.
Besly Chas. H. & Co., 118 N Clinton, Chicago, Ill.
Brady F. A. Inc., 30 Church, New York
Brubaker W. L. & Bros., Millersburg, Pa.
Butterfield & Co., Derby Line, Vt.
Card S. W. Mfg. Co. (Also Spindle Staybolt), Mansfield, Mass.
Carpenter J. M. Tap & Die Co., Pawtucket, R. I.
Greenfield Tap & Die Corp. ("G. T. D.," "Maxie"), Greenfield, Mass.
Independent Pneumatic Tool Co., 600H W Jackson blvd, Chicago, Ill.
Keystone Reamer & Tool Co., Dept. H, Millersburg, Pa.
Moore & Moore (Dirs.), H, Colonial Trust bldg, Reading, Pa.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
Polk A. J. & Son Co., Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn. *See adv index at end of book*
Reiff & Nestor Co., Lykens, Pa.
Republic Tool & Mfg. Co., 1401 W Ninth, Cleveland, Ohio
Russell Mfg. Co. ("Russell"), Greenfield, Mass.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
WELLS CORPORATION, THE ("Threadwell"), 15 Arch, Greenfield, Mass. *See adv index at end of book*
Winter Bros. Co., Wrentham, Mass.

14873— Taps (Stove Bolt)

Alvord Reamer & Tool Co., Dept. H, Millersburg, Pa.
Bay State Tap & Die Co., Mansfield, Mass.
Brady F. A. Inc., 30 Church, New York
Card S. W. Mfg. Co., Mansfield, Mass.
Carpenter J. M. Tap & Die Co., Pawtucket, R. I.
Greenfield Tap & Die Corp. ("G. T. D."), Greenfield, Mass.
Keystone Reamer & Tool Co., Dept. H, Millersburg, Pa.
Moore & Moore (Dirs.), H, Colonial Trust bldg, Reading, Pa.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
Polk A. J. & Son Co., Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn. *See adv index at end of book*
Reiff & Nestor Co., Lykens, Pa.
Republic Tool & Mfg. Co., 1401 W Ninth, Cleveland, Ohio
Toledo Tap Co., Clinton, Toledo, Ohio
Wells Corporation, The, 15 Arch, Greenfield, Mass. *See adv index at end of book*
Winter Bros. Co., Wrentham, Mass.

14874— Taps (Taper)

Alvord Reamer & Tool Co., Dept. H, Millersburg, Pa.
Bay State Tap & Die Co., Mansfield, Mass.
Besly Chas. H. & Co., 118 N Clinton, Chicago, Ill.
Brady F. A. Inc., 30 Church, New York
Card S. W. Mfg. Co., Mansfield, Mass.
Carpenter J. M. Tap & Die Co. (Bicycle, etc), Pawtucket, R. I.
Greenfield Tap & Die Corp. ("G. T. D."), Greenfield, Mass.
Keystone Reamer & Tool Co., Dept. H, Millersburg, Pa.

Moore & Moore (Dirs.), H, Colonial Trust bldg, Reading, Pa.
Polk A. J. & Son Co., Millersburg, Pa.
Republic Tool & Mfg. Co., 1401 W Ninth, Cleveland, O.
Russell Mfg. Co. ("Russell"), Greenfield, Mass.
Walworth Mfg. Co., 82H Pearl, Boston, Mass.
Wells Corporation, The, 15 Arch, Greenfield, Mass. *See adv index at end of book*
Winter Bros. Co., Wrentham, Mass.

14875— Taps (Tapper)

Alvord Reamer & Tool Co., Dept. H, Millersburg, Pa.
Bay State Tap & Die Co., Mansfield, Mass.
Besly Chas. H. & Co., 118 N Clinton, Chicago, Ill.
Brady F. A. Inc., 30 Church, New York
Butterfield & Co. (Bicycle), etc.), Derby Line, Vt.
Card S. W. Mfg. Co., Mansfield, Mass.
Carpenter J. M. Tap & Die Co., Pawtucket, R. I.
Greenfield Tap & Die Corp. ("G. T. D."), Greenfield, Mass.
Keystone Reamer & Tool Co., Dept. H. Millersburg, Pa.
Morse Twist Drill & Mach. Co. ("Morse"), New Bedford, Mass.
Ohio Ceramic Engineering Co., Berea rd, Cleveland, O.
Polk A. J. & Son Co., Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Reiff & Nestor Co., Lykens, Pa.
Toledo Tap Co., Clinton, Toledo, Ohio
WELLS CORPORATION, THE ("Threadwell"), 15 Arch, Greenfield, Mass.
See adv index at end of book
Winter Bros. Co., Wrentham, Mass.

14876—Taps & Drills Combined (Pipe)

Brady F. A. Inc., 30 Church, New York
Morse Twist Drill & Machine Co., New Bedford, Mass.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Republic Tool & Mfg. Co., 1401 W Ninth, Cleveland, Ohio
Standard Tool Co., 6700 Central av, Cleveland, O.
Walworth Mfg. Co., 82H Pearl, Boston, Mass.

14877—Taps & Drills (Pipe)

Besly Chas. H. & Co., 118 N Clinton, Chicago, Ill.
Brady F. A. Inc., 30 Church, New York
Brubaker W. L. & Bros., Millersburg, Pa.
Carpenter J. M. Tap & Die Co. (Pipe Taps Only), Pawtucket, R. I.
Greenfield Tap & Die Corp. ("G. T. D."), Greenfield, Mass.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
Pratt & Whitney Co., Hartford, Conn.
Republic Tool & Mfg. Co., 1401 W Ninth, Cleveland, Ohio
Reiff & Nestor Co., Lykens, Pa.
Russell Mfg. Co. ("Russell"), Greenfield, Mass.
Standard Tool Co., 6700 Central av, Cleveland. O.
Toledo Tap Co., Clinton, Toledo, Ohio

14878—Taps & Reamers (Pipe)

Bay State Tap & Die Co., Mansfield, Mass.
Brady F. A. Inc., 30 Church, New York
Brubaker W. L. & Bros., Millersburg, Pa.
Buffum Tool Co. ("Swastika," "Plumbers"), South Side, Louisiana, Mo.
Butterfield & Co., Derbyline, Vt.
Card S. W. Mfg. Co., Mansfield, Mass.
Carpenter J. M. Tap & Die Co., Pawtucket, R. I.
Columbus Mach. Wks. ("Columbus"), Columbus, Ind.
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Greenfield Tap & Die Corp. ("G. T. D.," Taps, Dies, Reamers, Gauges), Greenfield, Mass.
Hart Mfg. Co. ("Duplex"), Cleveland, O.
Hollands Mfg. Co., 352 E 18th, Erie, Pa.
Keystone Die Stock Co. ("J. J. Delehant's Keystone"), 652 W 47th, Chicago, Ill.
Keystone Reamer & Tool Co., Dept. H, Millersburg, Pa.
Morse Twist Drill & Machine Co. (Also Straight & Whitworth Pipe, "Morse" Taps), New Bedford, Mass.
Mueller H. Mfg. Co. (Pipe End Reamers), Decatur, Ill.
See adv index at end of book
Polk A. J. & Son Co., Millersburg, Pa.
Potter S. A. Tool & Machine Works, 79 E 130th, New York
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Precision Tool Co., Canton, Mass.
Russell Mfg. Co. ("Russell"), Greenfield, Mass.
Saunders' D. Sons, Yonkers, N. Y.
Victor Tool Co. (Collapsing Pipe Taps), Waynesboro, Pa.
Walworth Mfg. Co., Boston, Mass.
Wells Corporation, The, 15 Arch, Greenfield, Mass. *See adv index at end of book*
Winter Bros. Co., Wrentham, Mass.

14879—Tar Burning Systems (Smokeless)

MacLeod Co., 2227 Bogen, Cincinnati, Ohio
See adv index at end of book

14879a— Tar Distillates

American Wood Preserving Co. (Coal), 1351 N Branch, Chicago, Ill.

14880— Tar Mfrs.

See also Coal Tar Products

American Tar Products Co. ("Tarmac" Road, Waterproofing, etc.), 208 S La Salle, Chicago, Ill.
Barrett Co., 17 Battery pl, New York
Carolina Pine Products Co., Cleveland, O.
Hamilton-Otto Coke Co., Hamilton, O.
New Haven Gas Light Co., New Haven, Conn.
Semet-Solvay Co, Syracuse, N. Y.
Spokane Gas & Fuel Co., Spokane, Wash.
United Gas Improvement Co., Broad & Arch, Phila., Pa.

14881— Tar (Pine)

See also Oil, Pine

Adams Fred C. Co., 130 N Wells, Chicago, Ill.
Barclay Naval Stores Co., 56 Delevan, Brooklyn, N. Y.
Corner Jas. & Sons, E Falls av & Fawn, Baltimore, Md.
General Naval Store Co., 90 West, New York
Georgia Pine Turpentine Co. of N. Y., 158 Perry, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Larendon M. W. & Co. (Jobbers), 82 Wall, New York
Mailliard & Schmiedell (Mfrs.' Agts.), 203 California, San Francisco, Cal.
Noble Electric Steel Co., Mills bldg, San Francisco, Cal.
North Carolina Naval Stores Co., Wilmington, N. C.
No. Western Pine Tar Co., 1905 Diversey.
Pensacola Tar & Turpentine Co., Gull Point, Fla.
Reeder Oliver & Son, Key, Highway & Covington, Baltimore, Md.
Vanderbilt R. T. Co. (Rubber), 50 E 42d, New York

14882— Tar (Refined)

American Tar Products Co., 208 S La Salle, Chicago, Ill.
Carey Philip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, O.
Certain-teed Products Corp, St. Louis, Mo.

14882a— Tar (Water Gas)

Brockton Gas Light Co., Brockton, Mass.
Elizabethtown Gas Light Co., Elizabeth, N. J.
El Paso Gas Co., El Paso, Tex.
Fall River Gas Works Co., Fall River, Mass.
Jacksonville Gas Co., Jacksonville, Fla.
Lynn Gas & Electric Co., Lynn, Mass.
New Bedford Gas & Edison Light Co., New Bedford, Mass.
New York & Richmond Gas Co., Stapleton, N. Y.
Utica Gas & Electric Co., Utica, N. Y.
Westchester Lighting Co., Mt. Vernon, N. Y.

14883— Tar (Wood)

Newton Chemical Co., Olean, N. Y.
World Fireproof Door Corp., 448 Tiffany, New York

14884—Targets (Shooting Gallery)

Arcade Mfg. Co., Freeport, Ill.
Dennison Mfg. Co. (Paper), S Framingham, Mass.
Quackenbush H. M., Herkimer, N. Y.

Targets (Trap Shooting)

See Traps & Targets, Trap Shooting

14885—Tarpaulins, Wagon Covers, Etc.

See also Tents, Contractors'

American Tent & Awning Co., 307 Washington av, North Minneapolis, Minn.
Anchor Supply Co., 100 N Water, Evansville, Ind.
Aronoff Joseph J., Trenton, N. J.
Atlanta Tent & Awning Co., Atlanta, Ga.
Baker & Lockwood Mfg. Co., 7th & Wyandott, Kansas City, Mo.
Bethlehem Shipbuilding Corp. Ltd., Dept. H, Broadhead & Parker av, Bethlehem, Pa.
Brooks Tent & Awning Co., 1655 Arap., Denver, Colo.
Buckeye Tent & Awning Mfg. Co., 264 Spruce, Columbus, O.
Buhrke R. H. Co. (Tarpaulins Only), 1250 Fullerton av, Chicago, Ill.
Carnie-Goudie Mfg. Co., 22d & Grand av, Kansas City, Mo.
CARPENTER GEO. B. & CO., 434 N Wells, Chicago, Ill.
See adv index at end of book
Chicago Flag & Decorating Co., 1315 S Wabash av, Chicago, Ill.
Clifton Mfg. Co., Waco, Tex.
Daahl Thoms Awning & Canvas Co., 583 8th, Oakland, Cal.
Daniels, Inc., C. R., 114-115 South St., New York
See adv index at end of book

TARPAULINS
WATERPROOF--ALL SIZES
Immediate Delivery Manufacturer's Prices
Canvas in Every Weight for Every Use
C. R. DANIELS, Inc.
Manufacturers of Everything of Canvas
114-115 South St., Tel. BEEkman 2340-4805, New York

Denver Tent & Awning Co., 1647 Arapahoe, Denver, Colo.
Fulton Bag & Cotton Mills ("Shuredry" Waterproof, All Kinds), Atlanta, Ga.
Hettrick Mfg. Co., Toledo, O.
Hooper Wm. E. & Sons Co., 3502 Parkdale, Baltimore, Md.
HUMPHRYS' R. A. SONS, 1026 Callowhill, Phila., Pa.
See adv index at end of book

PAULINS
Plain or Waterproof
R. A. HUMPHRYS' SONS
1026 Callowhill St. Phila., Pa.

Jacksonville Tent & Awning Co., Jacksonville, Fla.
Johnson J. N. Co., 1236 Macedonia, Chicago, Ill.
Lane J. H. & Co. (Jobbers), 250 W 57th, New York
Lincoln Tent & Awning Co., Lincoln, Neb.
Little Rock Tent & Awning Co., Little Rock, Ark.
Meyer L. M. & Co., 100 Alderman, Springfield, Mass.
Mills Andrew & Sons, 53 South, New York
Moore Benj. & Co., 27 South, New York
Mound City Duck & Rubber Co., 832 N B'way, St. Louis, Mo.
Mowry David C. & Son, Geneva, Neb.
Pittsburgh Waterproof Co., 435 Liberty av, Pittsburgh, Pa.
Reach A. L. Textile Co. (Pads etc), 19 W 18th, New York
Rogers Tent & Awning Co., Fremont, Neb.
Rowe E. L. & Son, Gloucester, Mass.
San Antonio Tent Awning Co., 129H Military Plaza, San Antonio, Tex.
Saunders H. J., 912 La Salle av, Minneapolis, Minn.
Schaefer Tent & Awning Co., 1421 Larimer, Denver, Colo.
Seattle Tent & Awning Co., Postal Tel. bldg, Seattle, Wash.
Smith Arthur F. Co., 141 Spring, New York
Stanley Wm. W., 62 White, New York
Sullivan Jno. & Son, 356 Hudson, New York
Textile Products Mfg. Co. ("Noxail" & "Sterling"), 1332 Dolman, St. **Louis**, Mo.
Thomas Wm. E. & Co., 42 South, New York
U. S. Tent & Awning Co., 227 N Desplaines, Chicago, Ill.
Upson Walton Co., 1294 W 11th, Cleveland, Ohio
Wheeling Tent & Awning Co., Wheeling, W. Va.
Zittlosen Mfg. Co., Park & Dolman, St. Louis, Mo.

14885a— Tartar Emetic

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Riddle Chemical Co. (Technical Crystals & Powder), 35 S Dearborn, Chicago, Ill.
See adv index at end of book

14886— Tassels (Brass)

Judd H. L. Co., 87 Chambers, New York
Reading Brass Wks. Inc., Reading, Pa.

14887—Tassels (Harness & Saddlery)

Rauschenberger John Co., 87 W Water, Milwaukee, Wis.

14888—Tassels (Silk, Drapery, Etc.)

Baum C. F. Co., Frontier av & Blackhawk, Chicago, Ill.
Bridgeport Coach Lace Co. (Coach), Bridgeport, Conn.
Colombat Henry, 239H Geary, San Francisco, Cal.
Empire Braid Works, 413 W B'way, New York
Empire Fringe Co., 909 Faile, New York
Helmus Gabriel, 142 Greene, New York
Horstmann W. H. Co., 5th & Cherry, Phila., Pa.
Mason Silk Mills (Silk), Paterson, N. J.
New York Tassel & Cord Co., 35 Howard, New York
Rosenthal Bros., 543 B'way, New York
Schlegel Mfg. Co., 277 N Goodman, Rochester, N. Y.
United States Trimming Co., 1410 N 6th, Phila., Pa.
United Trimming Co., 42 E 20th, New York
Vogt Mfg. Corp., Dept. H, Rochester, N. Y.
Webendorfer H., 338 E 103d, New York
Weinz Trimming Co., 99 Bedford, Boston,

14888a—Taxidermists Supplies Manufacturers

Babbitt James P. (Glass Eyes), Taunton, Mass.

Taximeter Cores

See Cores (Speedometer & Taximeter)

Taximeter Flexible Shafts

See Shafts (Flexible)

14888b— Taximeters

See also Boxes, Fare; also Registers (Car Fare)
American Taximeter Co. ("Popp," Jones"), 25 W 54th, New York
International Taximeter Co., 239 W 63th, New York
Ohmer Fair Register Co., Dayton, O.
Pittsburgh Taximeter Co., Mfrs. bldg, Pittsburgh, Pa.

14889— Teasels

Chester Jacob N., 109 Broad, New York
Kellogg Bros., Skaneateles, N. Y.

Technical Institutions

See Engineering Schools & Colleges

14890— Tedders (Hay)

Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Emerson-Brantingham Co. ("EB" Combination Rake & Tedder), Rockford, Ill.
Gehl Bros. Mfg. Co., West Bend, Wis.
Hocking Valley Mfg. Co., Lancaster, O.
International Harvester Co. ("McCormick-Deering," "International"), Harvester bldg, Chicago, Ill.
Massey-Harris Harvester Co., Batavia, N. Y.
Messinger Mfg. Co., Tatamy, Pa.
Moline Plow Co. ("Flying Dutchman"), Moline, Ill.
Mountville Mfg. Co., Mountville, Pa.
Ohio Rake Co. ("Monarch," "Quail"), Dayton, O.
Sterling Mfg. Co., Sterling, Ill.
Thomas Mfg. Co. ("Thomas," "Royal," "Triumph"), Springfield, O.
Wood Walter A. Mowing & Reaping Machine Co., Hoosick Falls, N. Y.

14890a—Tee-Squares (Stonemans')

Eagle Engineering Co. ("Star"), Springfield, O.

14891— Tees (Boiler)

Blake Specialty Co. (Double Union & Bottom Boiler), Rock Island, Ill.
Stack Heater Co. ("Stack-Non-Bi-Path"), 39H Sudbury, Boston, Mass.

14892— Tees (Pipe)

Atlas Valve Co. (Swing Joint), 282 South, Newark, N. J.
Casey-Hedges Co. ("Chattanoogan"), 25th & Chestnut, Chattanooga, Tenn.
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Illinois Malleable Iron Co. (Cast—Malleable—Screwed), 1801 Diversey blvd, Chicago, Ill.
See adv index at end of book
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Larkin J. K. & Co. (Malleable Steel), 253 Broadway, New York
See adv index at end of book
LUNKENHEIMER CO. (Brass), Executive Offices, Factories: Beekman & Waverly, Cincinnati, O.
See adv index at end of book
McMann & Taylor Co., 104 John, New York
See adv index at end of book
Malleable Iron Fittings Co. ("M. I. F. Co.," Malleable), Branford, Conn.
Powell Wm. Co. (Brass), 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Wilkinson W. H. Co. Inc., West Medway, Mass.

14893—Tees (Test, Soil Pipe)

Central Foundry Co., 41 E 42nd, New York
Compound Injector & Specialty Co. ("Dehn"), 419 N Laramie av, Chicago, Ill.
Sanitary Co. (Cast Iron), Dept. H, Linfield, Pa.
Thermal Syndicate, Ltd., 350 Madison av, New York

14894— Tees (Union)

ACHESON MFG. CO., Rankin, Pa.
See adv index at end of book
Dart E. M. Mfg. Co. ("Dart"), 134 Thurbers av, Providence, R. I.
Jefferson Union Co. ("Jefferson"), Lexington, Mass.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Malleable Iron Fittings Co. ("M. I. F. Co."), Branford, Conn.

14895—Teeth (Bundle Carrier)

Bethlehem Steel Co., Bethlehem, Pa.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

14896— Teeth (Cultivator)

Allen S. L. & Co. ("Planet, Jr."), 5th & Glenwood, Phila., Pa.
Bateman Mfg. Co., Grenloch, N. J.
Bethlehem Steel Co., Bethlehem, Pa.
Bonney Forge & Tool Works, Tellghman, Allentown, Pa.
Dyer Mfg. Co. ("Diamond"), Bell, Cal.
Hench & Dromgold Co., York, Pa.

14897— Teeth (Dipper)

American Forge Works, 1428 13th, Denver, Colo.
American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept. H, 14th & State, Chicago Heights, Ill.
National Iron Co., Duluth, Minn.
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.

14898—Teeth for Crusher Rolls

Scranton Forging Co. (For Coal & Salt), 200 Green Ridge av, Scranton, Pa.
See adv index at end of book

14899-900—Teeth (Harrow)

Babcock Mfg. Co., Leonardsville, N. Y.
Bethlehem Steel Co., Bethlehem, Pa.
Henry & Allen (Reversible), Auburn, N. Y.
Herschel R. Mfg. Co., Peoria, Ill.
Lanz, M. Bolt Co., 2970H Carson, Pittsburgh, Pa.
Madison Plow Co., Madison, Wis.
Mason F. C. & Co. (Spring, Spike), St. Johns, Mich.
Noll Bros. (Spring & Spike), 849 Allis, Milwaukee, Wis.
Ohio Cultivator Co., Bellevue, O.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pittsburgh Rivet Co. (Round & Square Steel), 38th & Junction R. R., Pittsburg, Pa.

Teeth (Hay Rake)

See Teeth, Rake & Tedder

14901—Teeth (Rake & Tedder)

American Spiral Spring & Mfg. Co., 5600 Harrison, Pittsburgh, Pa.
See adv index at end of book
Bethlehem Steel Co., Bethlehem, Pa.
Bogert & Hopper Inc. (Wooden), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons (Rake), 264 5th av, New York. *See adv index at end of book*
Henry & Allen, Auburn, N. Y.
Herschel R. Mfg. Co., Peoria, Ill.
Mason F. C. & Co., St. Johns, Mich.
Whitaker Mfg. Co., 409 S Green, Chicago, Ill.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Youngstown Pressed Steel Co. (Supports), Warren, O.
See adv index at end of book

14902— Teeth (Scarifier)

American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept. H, 14th & State, Chicago Heights, Ill.

14903—Teeth (Steam Shovel & Dredge)

American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept. H, 14th & State, Chicago Heights, Ill.
Bethlehem Steel Co., Bethlehem, Pa.
Cupples Adjustable Tooth Co. ("Cupples" Adjustble), Tyrone, Pa.
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.

14904— Teeth (Thresher)

Advance Rumely Co., Madison & Lincoln way, La Porte, Ind.
Christian Jno. Mfg. Co., San Jose, Cal.
Henry & Allen, Auburn, N. Y.
Rhode Island Tool Co. (Steel), Providence, R. I.
Transue & Williams Steel Forging Corp. (Drop Forged), Alliance, O.

14905— Teeth (Two-Part)

American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept. H, 14th & State, Chicago Heights, Ill.

14906-7— Teeth (Weeder)

Babcock Mfg. Co., Leonardsville, N. Y.
Bethlehem Steel Co., Bethlehem, Pa.

14908—Telegraph Apparatus

American Thermophone Co. (Two Station Commercial Telephone & Isometric Systems), 116 Bedford, Boston, Mass.
Bunnell J. H. & Co. ("Duplex" & "Quadruplex") 32 Park pl, New York
Kleinschmidt Elec. Co., Mont & Manley, Long Island City, N. Y.
McNab Co. ("McNab" Indicating), Bridgeport, Conn.
Morkrum Co., 1410 Wrightwood av, Chicago, Ill.
Pearce Fred'k Co., 70 W 40th, New York

Telegraph Poles

See Poles, Various Kinds; also Ties, Poles & Posts

14909— Telegraphs (Ship)

Horne Mfg. Co., 243 Mercer, Jersey City, N. J.
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
McNab Co., Bridgeport, Conn.
Marine Mfg. & Supply Co., 153 South, New York

14910— Telephone Arms

Fischer Chas. Spring Co., 240 Kent av, Brooklyn, N. Y.
Holtzer-Cabot Electric Co. ("Equipoise"), 125 Amory, Boston, Mass.
Lumber Transit Co. (Fir), Centralia, Wash.
Moss Samuel H. ("Sperry"), 36 E 3d, New York
Schofield & Co. ("Equipose"), 30 Beekman, New York
Stanley & Patterson, Inc., 23 Murray, New York
Stromberg-Carlson Telephone Mfg. Co., 1050 University av, Rochester, N. Y.
White J. H. Mfg. Co., 111 N 3d, Brooklyn, N. Y.

14911-2-3—Telephone Booths

See also Telephone Cabinet Work
DAHLSTROM METALLIC DOOR CO., 413 Buffalo, Jamestown, N. Y.
Evans W. L., Washington, Ind.

14914—Telephone Cabinet Work

Acme Cabinet Co. ("Acme" Folding Door, Booth, etc.), 116 W 32d, New York
Art Metal Construction Co. (Steel), Jamestown, N. Y.
Brownell C. H. ("Altick" Folding Booths, etc), Peru, Ind.
Built-In Fixture Co. ("Peerless," Built In), 2608 San Pabo av, Berkeley, Cal.
Cadwell-Vernon Co. (Booths), Jamestown, N. Y.
Churchill Cabinet Co. (Boxes, etc), 2119 Churchill, Chicago, Ill.
Concealo Fixture Co. ("Concealo"), 1349 E 12th, Oakland, Cal.
Cullen & Vaughn Co., 450 Dayton, Hamilton, O.
DAHLSTROM METALLIC DOOR CO. (Hollow Metal Bootns), 413 Buffalo, Jamestown, N. Y.
See adv index at end of book
Economy Wall Fixture Co., 4274 S Main, Los Angeles, Cal.
Evans W. L. (Vanishing Door Booths), Washington, Ind.
Heyden F. (Boxes, etc.), 517 N Halsted, Chicago, Ill.
Palen's H. W. Sons (Fine Cabinet Finish), Kingston, N. Y.
Peterson Chas. J. Co., 725 Fulton, Chicago, Ill.
Standard Cabinet Mfg. Co., Peru, Ind.
Western Electric Co., 680 Folsom, San Francisco, Cal.
Wisconsin Chair Co. (Boxes, etc), Port Washington, Wis.

14915—Telephone Cleats & Staples

DELAWARE HARD FIBRE CO. (Fibre), Wilmington, Del. Works: Marshallton, Del. *See adv index at end of book*
Titchener E. H. & Co., Binghamton, N. Y.
Wilmington Fibre Specialty Co., Wilmington, Del.

14916—Telephone Cushions (Pneumatic)

Huron Rubber Co., Cleveland, O.

14917—Telephone Desk Stands

Fischer Chas. Spring Co., 240 Kent av, Brooklyn, N. Y.
Globe-Wernicke Co., 25 Carthage av, Cincinnati, O.
Stanley & Patterson, Inc., 23 Murray, New York
STROMBERG-CARLSON TELEPHONE MFG. CO., 1050 University av, Rochester, N. Y.
Western Electric Co., 463 West, New York

Telephone Holders

See Brackets, Desk, Telephone

14918— Telephone Knobs

Scranton Button Co. (Lacavite), Scranton, Pa.
Stromberg-Carlson Telephone Mfg. Co., 1050 University av, Rochester, N. Y.
Waterbury Button Corp., 831 South Main, Waterbury, Conn.
See adv index at end of book

14919—Telephone Meters or Registers

Gray Telephone Pay Station Co., Hartford, Conn.
Stromberg-Carlson Telephone Mfg. Co., 1050 University av, Rochester, N. Y.
Telechronometer Co. of Am. ("Telechronometer"), White bldg, Seattle, Wash.

14920—Telephone Mouthpieces

Rubber, Composition & Hard Fibre; see also Porcelain Specialties, Electrical, etc
American Electric Co. (Glass, "Germproof" Porcelain "Burns"), 6401 S State, Chicago, Ill.
American Hard Rubber Co., 9 Mercer, New York
Auburn Button Works, Inc., Auburn, N. Y.
Colytt Laboratories ("Whispering"), 565 W Washington blvd, Chicago, Ill.
Electrose Mfg. Co. (Composition), 70 Washington, Brooklyn, N. Y.
General Insulate Co. ("Insulate," "Seamless"), 1008 Atlantic av, Brooklyn, N. Y.
Hemming Mfg. Co., Garfield, N. J.
International Insulating Corp., 25 W 45th, New York
Schneider J. S. (Glass), Ridgefield, Conn.
Scranton Button Co. (Lacavite), Scranton, Pa.
Stromberg-Carlson Telephone Mfg. Co. (Bakelite Rubber Composition & Glass), 1050 University av, Rochester, N. Y.
Vulcanized Rubber Co., 251 4th av, New York

14921— Telephone Parts

Oakes Co. (Stamped), Indianapolis, Ind.
Stromberg-Carlson Telephone Mfg. Co., 1050 University av, Rochester, N. Y.
Western Electric Co., 463 West, New York
Worcester Pressed Steel Co., Barber av, Worcester, Mass.

14922—Telephone Pole Changer

Stromberg-Carlson Telephone Mfg. Co., 1050 University av, Rochester, N. Y.

Telephone Poles

See Poles, Various Kinds; also Ties, Poles & Posts

14923—Telephone Protectors

Central Telephone & Electric Co., 2018 Locust, St. Louis, Mo.
Cook Frank B. Co. ("Cook"), 2700 Transport, Chicago, Ill.
D. & W. Fuse Co., Hathaway, Providence, R. I.
Harvard Electric Co., 535 W Van Buren, Chicago, Ill.
Lafayette Electric & Mfg. Co., Lafayette, Ind.
Reliable Elec. Co., 3145 Carroll av, Chicago, Ill.
Stromberg-Carlson Telephone Mfg. Co., 1050 University av, Rochester, N. Y.

14924—Telephone Receiver Shells

American Enamel Co., Providence, R. I.
American Hard Rubber Co., 9 Mercer, New York
Auburn Button Works, Inc., Auburn, N. Y.
Electrose Mfg. Co., 70 Washington, Brooklyn, N. Y.
General Insulate Co. ("Insulate"), 1008 Atlantic av, Brooklyn, N. Y.
Hemming Mfg. Co., Garfield, N. J.
International Insulating Corp., 25 W 45th, New York
Murdock W. J. Co., Chelsea, Mass.
Scranton Button Co. (Lacavite), Scranton, Pa.
Stromberg-Carlson Telephone Mfg. Co., 1050 University av, Rochester, N. Y.
Vulcanized Rubber Co., 251 4th av, New York
Waterbury Button Corp., 831 South Main, Waterbury, Conn.
See adv index at end of book

14925—Telephone Receivers

American Hard Rubber Co., 9 Mercer, New York
Automatic Electric Co. ("Pioneer"), 1001 W Vanburen, Chicago, Ill.
Central Telephone & Elec. Co., 2018 Locust, St. Louis, Mo.
Colytt Laboratories ("Clariphone" Attachment), 565 W Washington blvd, Chicago, Ill.
Hemming Mfg. Co., Garfield, N. J.
Holtzer-Cabot Electric Co., 125 Amory, Boston, Mass.
International Insulating Corp., 25 W 45th, New York
Kellogg Switchboard & Supply Co., 1066 W Adams, Chicago, Ill.
Klaxon Co. ("Klaxon"), Bloomfield av, Newark, N. J.
Long Distance Telephoning Mfg. Co., South Bend, Ind.
Murdock W. J. Co., Chelsea, Mass.
Novelty Electric Co., 50 N 4th, Phila., Pa.
Stanley & Patterson, Inc., 23 Murray, New York
Stromberg-Carlson Telephone Mfg. Co., 1050 University av, Rochester, N. Y.
Utica Fire Alarm Telegraph Co., Utica, N. Y.
Waterbury Button Corp., 831 South Main, Waterbury, Conn.
See adv index at end of book
Western Electric Co., 463 West, New York

14926—Telephone Relay Shells

Cassady Fairbank Mfg. Co., 6126 Lasalle, Chicago, Ill.
Waterbury Button Corp., 831 South Main, Waterbury, Conn.
See adv index at end of book

14927—Telephone Ringing Apparatus

Butler-Automotive Steel Co., Easton, Pa.
Leich Electric Co., Genoa, Ill.
Roth Bros. & Co., 1400 W Adams, Chicago, Ill.
Stromberg-Carlson Telephone Mfg. Co., 1050 University av, Rochester, N. Y.
Western Electric Co., 463 West, New York

14928—Telephone Testing Sets

Holtzer-Cabot Electric Co. (Lineman's), 125 Amory, Boston, Mass.
Stanley & Patterson, Inc., 23 Murray, New York
Stromberg-Carlson Telephone Mfg. Co., 1050 University av, Rochester, N. Y.

14929—Telephone Transmitter Arms

Columbia Wire & Iron Works (Extension Telephone Arms), 4527 W Lake, Chicago, Ill.
Rex Mfg. Co., Corry, Pa.
Stanley & Patterson, Inc., 23 Murray, New York
Stromberg-Carlson Telephone Mfg. Co., 1050 University av, Rochester, N. Y.

14930—Telephone Transmitters

Andrae Julius & Sons Co., 362 Broadway, Milwaukee, Wis.
Connecticut Telephone & Electric Co. Meriden, Conn.
Electrose Mfg. Co., 70 Washington, Brooklyn, N. Y.
Kellogg Switchboard & Supply Co., 1066 W Adams, Chicago, Ill.
Klaxon Co. ("Klaxon"), Bloomfield av, Newark, N. J.
Leich Electric Co., Genoa, Ill.
Long Distance Telephone Mfg. Co., South Bend, Ind.
Magnavox Co., 2725 E 14th, Oakland, Cal.
Moore's Telephone System, Caro, Mich.
Stanley & Patterson, Inc., 23 Murray, New York
Stromberg-Carlson Tel. Mfg. Co., Rochester, N. Y.
Universal High Power Telephone Co. ("Wonderphone"), Carleton & Eddy, Seattle, Wash.

Telephone Woodwork

See Telephone Cabinet Work

14931—Telephones (Automatic)

Automatic Elec. Co., 947 W Van Buren, Chicago, Ill.
Couch S. H. Co. (Couch "Autophone"), Norfolk Downs, Mass.
North Electric Mfg. Co., Galion, O.
Stanley & Patterson, Inc., 23 Murray, New York

14932—Telephones (Automobile)

Klaxon Co. ("Klaxon"), Bloomfield av, Newark, N. J.
Taylor H. D. Co., 103 Oak, Buffalo, N. Y.

14933—Telephones (Interior)

Automatic Electric Co. (Automatic Inter-Communication), 1001 W Van Buren, Chicago, Ill.
Century Telephone Construction Co., 1738 Elmwood, Buffalo, N. Y.
Connecticut Telephone & Electric Co., Meriden, Conn.
Couch S. H. Co., Quincy, Mass.
Direct Line Telephone Co. ("Direct Line" Secret Service), 450 Broome, New York
Federal Telephone & Telegraph Co. (Intercommunication, Hotels, Hospitals, etc.), 1738 Elmwood av, Buffalo, N. Y.
Garl Electric Co., Akron, O.
Hepburn Telephone Mfg. Co., 325 S Dearborn, Chicago, Ill.
Holtzer-Cabot Electric Co. (Also for Schools & Apartment Houses), 125 Amory, Boston, Mass.
Klaxon Co. ("Klaxon"), Bloomfield av, Newark, N. J.
Kelley Electric Co., 523 Elm, Cincinnati, O.
Manhattan Electrical Supply Co., 17 Park pl, New York
North Electric Mfg. Co., Galion, O.
Partrick & Wilkins Co., 51 N 7th, Phila., Pa.
PETTES & RANDALL CO. (Intercommunicating), 150 Nassau, New York
Samson Electric Co. ("Samson"), 146 Samson, Canton, Mass.
Screw Machine Products Co. ("Elect-O-Phone"), 1012 Eddy, Providence, R. I.
Stanley & Patterson, Inc., 23 Murray, New York
STROMBERG-CARLSON TELEPHONE MFG. CO. ("Inter-Com-Phone," Intercommunicating), 1050 University av, Rochester, N. Y.
Winkler-Reichmann Co., 1745 W 74th, Chicago, Ill.

14934— Telephones (Mine)

Electric Service Supplies Co. ("Keystone"), 17th & Cambria, Phila., Pa.
Klaxon Co. ("Klaxon"), Bloomfield av, Newark, N. J.
Stanley & Patterson, Inc., 23 Murray, New York
STROMBERG-CARLSON TELEPHONE MFG. CO. ("Mine-a-Phone" System), 1050 University av, Rochester, N. Y.
Western Electric Co., 463 West, New York

14935—Telephones (Pendant)

Stromberg-Carlson Telephone Mfg. Co., 1050 University av, Rochester, N. Y.

14936—Telephones (Portable)

Stanley & Patterson, Inc., 23 Murray, New York
Stromberg-Carlson Telephone Mfg. Co., 1050 University av, Rochester, N. Y.

14937—Telephones & Apparatus

See also Switchboards, Telephone
Ackerman Telephone Co., 631 W Jackson, Chicago, Ill.
American Electric Co. ("Samson," "American"), 6401 S State, Chicago, Ill.
Andrae Julius & Sons Co., 362 Broadway, Milwaukee, Wis.
Augusta Elec. Corp., Augusta, Ill.
Auth Elec'l Specialty Co., 423 E 53rd, New York
Automatic Electric Co., 1001 W Vanburen, Chicago, Ill.
B. R. Electric Co., 1411 Walnut, Kansas City, Mo.
Bainbridge Electrical Co., 5244 Gtn., Philadelphia, Pa.
Central Telephone & Elec. Co., 2018 Locust, St. Louis, Mo.
Century Telephone Const. Co., 1738 Elmwood, Buffalo, N. Y.
Chicago Telephone Supply Co., Elkhart, Ind.
Connecticut Telephone & Electric Co. (Inc.) (Interior & Long Distance), Meriden, Conn.
Cook Frank B. Co., 2700 Southport, Chicago, Ill.
Couch S. H. Co., Norfolk Downs, Mass.
Direct Line Telephone Co., 450 Broome, New York
Elston Tel. & Mfg. Co., Muscoda, Wis.
Federal Telephone & Telegraph Co., 1738 Elmwood av, Buffalo, N. Y.
General Acoustic Co., 220 W 42nd, New York
Hepburn Telephone Mfg. Co., 325 S Dearborn, Chicago, Ill.
Holtzer-Cabot Electric Co., 125 Amory, Boston, Mass.

(Continued on following page)

Telephones & Apparatus—Continued

Inland Electric Co., 211 Chestnut, St. Louis, Mo.
Kellogg Switchboard & Supply Co., 1066 W Adams, Chicago, Ill.
Klaxon Co. ("Klaxon"), Bloomfield av, Newark, N. J.
Kusel Telephone & Electric Supply Co., Olive, St. Louis, Mo.
Lafayette Electric & Mfg. Co., Lafayette, Ind.
Leich Electric Co. ("Leich" Automaphone), Genoa, Ill.
Loeffler Louis J., 59 Bank, New York
Manhattan Electrical Supply Co., 17 Park pl, New York
Marvin W. B. Mfg. Co., Urbana, O.
Menominee Elec. Mfg. Co., Menominee, Mich.
Minnesota Electric Co., 309 2nd av S, Minneapolis, Minn.
Modern Electric Co., Burlington, Ia.
Monarch Telephone Mfg. Co., Ft. Dodge, Ia.
National Cash Register Co., Dayton, O.
National Telegraphone & Supply Co., El Paso, Tex.
North Elect. Mfg. Co., Galion, O.
Premier Electric Co., 1128 S Wabash av, Chicago, Ill.
Rhode Island Telephone & Electric Co., 55 Pine, Providence, R. I.
Russell Electric Co., Danbury, Conn.
Samson Electric Co., 237 Washington, Canton, Mass.
Screw Machine Products Co. ("Select-O-Phone"), 1012 Eddy, Providence, R. I.
Simplex Interior Telephone Co., 217 E 3d, Cincinnati, O.
Spencer Electrical Co., West & Hubert, New York
Spielman Electric Co. ("Seco"), 311 W 59th, New York
Stanley & Patterson, Inc. (Automatic Switchless), 23 Murray, New York
Stoddard Tel. Const. Co., Monroe, Mich.
STROMBERG - CARLSON TELEPHONE MFG. CO. (& Construction Materials), 1050 University av, Rochester, N. Y.
Swedish-American Telephone Mfg. Co., 5235 Ravenswood av, Chicago, Ill.
Universal High Power Telephone Co. ("Wonderphone"), Carleton & Eddy, Seattle, Wash.
Utica Fire Alarm Telegraph Co., Utica, N. Y.
Western Elec. Co., 463 West, New York.
Winkler & Reichmann, 5 S Wabash av, Chicago, Ill.

14938— Telescopes

Abel & Bach Co., Milwaukee, Wis.
Bausch & Lomb Optical Co. (Observation Equatorial), 637 St. Paul, Rochester, N. Y.
Clark, Alvan & Sons Corp. (Astronomical), Cambridge, Mass
Diamond, Nicholas & Co., 616 W Adams, Chicago, Ill.
Fibre Case & Novelty Co., 536 W 23rd, New York
Framerican Industrial Development Corp. (Imptrs.), 21 E 40th, New York
Goerz C. P. American Optical Co., 317 E 34th, New York
Gundlach Manhattan Optical Co., Rochester, N. Y.
Hartmann Trunk Co, Racine, Wis.
Mogey W. & D., Plainfield, N. J.
Scheidig John & Co. (Imp.), 60 Nassau, New York
Spencer Lens Co., 442 Niagara, Buffalo, N. Y.
Spencer Optical Co. (Imp.), 461 8th av, New York
Stevens J. Arms Co. (Rifle), Chicopee Falls, Mass.
Sussfeld, Lorsch & Co. (Imp.), 90 Maiden la, New York
Warner & Swasey Co. (Astronomical, etc.), 5809 Carnegie av, Cleveland, O.
Warren Leather Goods Co., Worcester, Mass.

14938a—*Telltale Boards (Marine Running Lights)

General Electric Co., Schenectady, N. Y.
See adv index at end of book

14939-40—Tell Tales (Rope)

Strong Carlisle & Hammond Co. ("Strong"), 326 Frankfort av, N W, Cleveland, O.

14941— Tellurium

American Smelting & Refining Co., 120 B'way, New York
Drakenfeld B. F. & Co., Inc., 50 Murray, New York

14941a—Telpherage (Electric Conveying)

Brown Hoisting Machinery Co., 4403 St. Clair, N E, Cleveland, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
United Telpherage Co., 101 Park av, New York
Westinghouse Electric Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

14942—Temperers (Corn & Grain)

Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Richmond Mfg. Co. ("Niagara"), Lockport, N. Y.

14943— Tempering Tanks

BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Breese Bros. Co., The, 2349 Reading road, Cincinnati, O.
See adv index at end of book
Dover Boiler Works. Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Graver Corp., 4150 Todd av, E Chicago, Ind.
See adv index at end of book
Heltzel Steel Form & Iron Co. The, Warren, O.
See adv index at end of book
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book.*
Kraft A. C., 328 W Lake, Chicago, Ill.
Manitowoc Engineering Works, Manitowoc, Wis.

14944—Tempering to Order

American Metal Treatment Co., Elizabeth, N. J.
Barnes-Gibson-Raymond, Inc., 6400 Miller av, Detroit, Mich.
See adv index at end of book
BARNES THE WALLACE CO., 18 Wallace, Bristol, Conn.
See adv index at end of book
Cary Spring Works ("Cary"), 240 W 29th, New York
Dunbar Bros. Co., 80 South, Bristol, Conn.
See adv index at end of book
Myall-Wallace Co., 559 W Lake, Chicago, Ill.
Vincent Steel Process Co. ("Vincent," Process), 3131 Bellevue av, Detroit, Mich.

14945— *Template

UNION PAPER & TWINE CO., 128 St. Clair av, N. W., Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book

14945a— *Templates (Concrete Road)

Heltzel Steel Form & Iron Co., The, Warren, O.
See adv index at end of book

14946— *Templet

UNION PAPER & TWINE CO., 125 St. Clair av, N W, Cleveland, O., & 538 Brisbane blvd, Buffalo, N. Y.
See adv index at end of book
West Virginia Lumber Co., First National Bank bldg, Pittsburgh, Pa.

14947— *Templet Material

See also Boards, Templet
Also Lumber, Templet
UNION PAPER & TWINE CO., 128 St. Clair av, N. W., Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book

14948— Ten Pins

Bogert & Hopper Inc., 57 Barclay, New York *See adv index at end of book*
ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*
Hellenberg J. B. Co., Coldwater, Mich.
Klumpp's Jno. G. Sons, 13 Baxter, New York
Kohaut John C., 117 Green, Newark, N. J.
McMillan's W. H. Sons, 153 South, New York
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

14949— Tenderers (Meat)

Chatillon Jno & Sons, 85 Cliff, New York
Fanner Mfg. Co., Cleveland, O.
Thurnauer G. M. Co., 6 E 20th, New York

14950—Tenders (Traction Engine)

Nichols & Shepard Co., Battle Creek, Mich.

14950a—Tennis Court Back Stops

Anchor Post Iron Works, 59 Church, New York *See adv index at end of book*
Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y. *See adv index at end of book*

14951—Tennis Racquet Mfrs.

Bancroft Fred'k J., Pawtucket, R. I.
Baumgartner Eugene, P. O. Downers Grove, Westmont, Ill.
Horsman E. I. Co., 11 Union Square, New York
Lee Harry Co. & Co. ("Dreadnought"), 10 Warren, New York
McLoughlin, Bundy & Sinsbaugh, 545 S Spring, Los Angeles, Cal.
Mangan N. J. Co., North Attleboro, Mass.
Sun Tent & Awning Co., 88 Merchant, San Francisco, Cal.

14952—Tents, Awnings & Canopies (Canvas)

ARKANSAS.

FORT SMITH—Tucker Duck & Rubber Co. ("Peerless")
LITTLE ROCK—Little Rock Tent & Awning Co.

CALIFORNIA.

FRESNO—California Tent & Awning Co., 715 B'way
Pacific Tent & Awning Co.
Valley Tent & Awning Co., 2126 Tulare
LOS ANGELES—Anchor Tent & Awning Factory, 1252 W 24th
Downie Bros. Inc., 644 S San Pedro
Higrade Tent & Duck Co., 304 E 4th
Hoegee Wm. H. Co. Inc., 138 S Main
Hoegee & Sons, 243 E 5th
Mellus Bros. & Co., 305 E 4th
Progressive Tent & Awning Co., 124 S Los Angeles
Swanfeldt Tent & Awning Co., 224 S Main
MODESTO—Pacific Tent & Awning Co.
OAKLAND—Acme Awning & Tent Co., 11th & Harrison
Daahl-Thoma Awning & Canvas Co., 583 8th
Kronke-Brampton Co., 3212 San Pablo av
RIVERSIDE—Riverside Tent & Awning Co., 393 W 8th
SACRAMENTO—Carnie Co., 515 L
Sacramento Tent & Awning Co., 916 8th
SAN DIEGO—Muehleisen Co., 1050 2nd
SAN FRANCISCO — Ames-Harris-Neville Co., Portrero & Alameda
Henrix-Luebbert Mfg. Co., 326 Howard
Plummer W. A. Mfg. Co., 37 Front
Simpson & Fisher, 240 Steuart
Sun Tent & Awning Co., 37 Washington
SAN JOSE—Anderson T. D.
San Jose Tent & Awning Co.
STOCKTON—Jones Tent & Awning Co., Exchange bldg
Manthey Bros., 420 N California

COLORADO.

DENVER—Brooks Tent & Awning Co.
Colorado Tent & Awning Co.
Denver Tent & Awning Co.
Schaefer Tent & Awning Co.
PUEBLO—Burch F. J. Mfg. Co.

FLORIDA.

JACKSONVILLE — Jacksonville Tent & Awning Co., Dept. H

GEORGIA.

ATLANTA—Atlanta Tent & Awning Co. (All Kinds)
Fulton Bag & Cotton Mills ("Usamp" Mildewproof)

ILLINOIS.

CHICAGO—Carpenter Geo. B. & Co. 434 N Wells
See adv index at end of book
Channon H. Co., 150 N Market
Chicago Flag & Decorating Co., 1345 S Wabash av
Johnson J. W. Co., 1236 Macedonia
U. S. Tent & Awning Co., 701 N Sangamon
Walger Awning Co., 561 W Monroe
ELGIN—Ziegler Bros. Co.
PEORIA—Peoria Tent & Awning Co., 119 Main

INDIANA.

EVANSVILLE—Anchor Supply Co.
INDIANAPOLIS—Eberhardt & Co. ("Ebco"), Green Brier & Derwin
Indianapolis Tent & Awning Co., 447 E Washington

IOWA.

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TOPEKA—Topeka Tent & Awning Co.

KENTUCKY.

LEXINGTON—Southern Tent & Awning Co.

LOUISIANA.

SHREVEPORT—Brewer G. H.

MASSACHUSETTS.

GLOUCESTER—Rowe E. L. & Son
SPRINGFIELD—Burgin Bros., 96 Adams
Ford Mfg. Co., 49 Ashley River
Meyer L. M. & Co.

MICHIGAN.

DETROIT—Goss J. C. Co., 16 E Woodbridge
Johnson John Co., 805 Woodward

MINNESOTA.

MINNEAPOLIS—American Tent & Awning Co., 307 Washington av, N
Holgaard C. J. Co., 30 Washington av, N
Saunders H. J., 912 La Salle av
ST. PAUL—Minnesota Tent & Awning Co., 15 W 3rd

MISSOURI.

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Carnie-Goudie Mfg. Co., 22d & Grand av
ST. LOUIS—Dougherty Bros. Tent & Awning Co., 116 S 4th
Dougherty Bros. Tent & Awning Co., 116 S 4th
Missouri Tent & Awning Co., 2208 Chestnut
Morrison Tent & Awning Co., 213 N 3d
Mound City Duck & Rubber Co., 332 N B'way
Steiner & Schneider, 1604 Market
Textile Products Mfg. Co. ("Noxall" & "Sterling"), Park av & Dolman, St. Louis, Mo.
Wenzel H. Tent & Duck Co., 1036 Paul

NEBRASKA.

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GENEVA—Mowry David C. & Son
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Western Tent & Awning Co.
OMAHA—Nebraska Tent & Awning Co.
Scott Omaha Tent & Awning Co.

NEW YORK.

ALBANY—Stoneman M. G. & Son.
NEW YORK—Daniels C. R., Inc., 114-115 South
See adv index at end of book
Harwood & Son (Also Export), 175 W Broadway
Hoffman-Corr Mfg. Co., 322 Lafayette
McHugh Mfg. Co., 317 W 38th
Magee M. & Son, 147 Fulton
Martin Thomas, 304 Canal
Mills Andrew & Sons, 53 South
Rehm & Co., 248 Greenwich
Skelton Frederick, 200 5th av
Smith Arthur F. Co., 141 Spring
Stonebridge C. H. Mfg. Co., 23 Warren
ROCHESTER—Field James Co.
SYRACUSE—Gibbs Chas. M.

OHIO.

CANTON—Canton Tent & Awning Co., 702 Tuscarawas
COLUMBUS—Buckeye Tent & Awning Mfg. Co., 264 Spruce
Columbus Tent & Awning Co.
TOLEDO—Hettrick Mfg. Co.

OREGON.

EUGENE—Liston & Polter Mfg. Co. ("L. & P.")
PORTLAND—Columbia Awning & Supply Co., 188 2nd
Hirsch Weis Mfg. Co. ("Williamette"), 205 Burnside
Pacific Tent & Awning Co., 1 N 1st
Pike A. C. Tent & Awning Co., 107 N 3d

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Inland Tent & Awning Co., 236 Sprague
TACOMA—Larsen I. M. & Sons, 806 A
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WISCONSIN.

MADISON—Gallagher John Co.
Madison Tent & Awning Co.

14953— Tents (Umbrella)

Carpenter Geo. B. & Co., 434 N Wells, Chicago, Ill.
See adv index at end of book
Humphrys' R. A. Sons, 1026 Callowhill, Phila, Pa. *See adv index at end of book*
Troy Carriage Sun Shade Co., Troy, O.

14954— Tents (Window)

Cabinet Mfg. Co. ("Walsh"), Quincy, Ill.

14954b—Terminals (Grounding)

Hubbard & Co., 63d & Butler, Pittsburgh, Pa.

14955—Terminals (Light & Power)

BRYANT ELECTRIC CO., 1421 State, Bridgeport, Conn.
Columbia Machine Wks & Malleable Iron Co. (Brass & Copper, Cast or Forged), Atlantic av & Chestnut, Brooklyn, N. Y.
Siazenger F. L., 12 E 43rd, New York
Spalding A. G. & Bros., 105 Nassau, New York
STANDARD UNDERGROUND CABLE CO. ("Davis"), 17th & Pike, Pittsburgh, Pa.
Wright & Ditson, 344 Washington, Boston, Mass.
Zimmerman J. N., Owosso, Mich.

14956-7—Terminals (Primary & Secondary)

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Central Mach. & Supplies Co., 148 Chambers, New York
Condit Electrical Mfg. Co., 1st & L, Boston, Mass.
Connecticut Tel. & Elec. Co., 70 Britnia, Meriden, Conn.
Elk Mfg. Co., 215 4th av, New York
Fitzgerald Mfg. Co., Torrington, Conn.
Francis-Rand Co., Erie bldg, Cleveland, O.
Lemke Elec. Co., 509 Cedar, Milwaukee, Wis.
Michigan Motor Specialties Co., 26 Dubois, Detroit, Mich.
MORSE FRANK W. ("Morse Eureka"), 289 Congress, Boston, Mass.
See adv index at end of book
Rajah Auto Supply Co. ("Rajah" Clip & Hook), Bloomfield, N. J.
Sherman H. B. Mfg. Co., Battle Creek, Mich.

14958—Terminals (Service)

Brady Electric Mfg. Co. (Waterproof), New Britain, Conn.
Phila. Electrical & Mfg. Co. ("Pemco."), 1236 N 31st, Phila., Pa.

14959— Terminals (Spring)

MORSE FRANK W. ("Morse Eureka"), 289 Congress, Boston, Mass.
See adv index at end of book

14960—Terminals (Storage Battery)

Meikle Mfg. Co., Springfield, Ill.
Metropolitan Device Corp., 1250 Atlantic av, Brooklyn, N. Y.
Morse Frank W. ("Morse Eureka"), 289 Congress, Boston, Mass.
See adv index at end of book
Pa. Piston Ring Co., 207 St. Clair av N E, Cleveland, O.

14961—Terminals (Telephone Cable)

American Electric Co., 6401 S State, Chicago, Ill.
Bissell F. Co. ("Security"), Toledo, O.
Central Tel. & Electric Co. ("Becker" Terminal Heads), 311 N 11th, St. Louis, Mo.
Cook Frank B. Co. (All Metal), 2700 Southport, Chicago, Ill.
Dossert & Co., 242 W 41st, New York
Electrical Engineers Equipment Co., 711 Meridian, Chicago, Ill.
Fahnestock Electric Co., Meadow, Long Island City, N. Y.
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Lafayette Electric & Mfg. Co., Lafayette, Ind.
Moon Mfg. Co., 122 N Jefferson, Chicago, Ill.
Mutual Electric & Machine Co., 233 Fort W, Detroit, Mich.
Protective Electrical Supply Co., Fort Wayne, Ind.
Reliable Elec. Co., 3145 Carroll av, Chicago, Ill.
Standard Underground Cable Co. ("Davis"), Pittsburgh, Pa.
Stromberg-Carlson Telephone Mfg. Co., 1050 University av, Chicago, Ill.

14962— Terminals (Wire)

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Dossert & Co., 242 W 41st, New York
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Mosler A. R. & Co., Woodlawn, N. Y.
Patton-MacGuyer Co., 31 Mathewson, Providence, R. I.
Sherman H. B. Mfg. Co., Battle Creek, Mich.
Standard Underground Cable Co. ("Davis"), 17th & Pike, Pittsburgh, Pa.
Stimpson Edwin B. Co. (Copper), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Universal Electric Stage Lighting Co. Inc. (Kliegl Bros.), ("Kliegl" for Asbestos Wire), 321 W 50th, New York

Terne Plate Mfrs.

See Tin Plate Mfrs.

14962a— Terpine Hydrate

Essential Oil Specialties Co., Inc., Grassland, Pa.
Mallinckrodt Chemical Wks., 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merck & Co., 45 Park pl, New York
Verona Chemical Co., No. Newark, N. J.

14962b— Terpineol

Essential Oil Specialty Co., Inc., Grassland, Pa.
Standard Chemical Co., Bayonne, N. J.
Van Dyk & Co., 6 Platt, New York

14963— Terra-Alba

Chrystal Chas. B. Co. Inc. (Imp.), 13 Cliff, New York *See adv index at end of book*
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Hammill & Gillespie (Imp.), 240 Front, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Higginson Mfg. Co., Newburgh, N. Y.
Keystone Plaster Co. (For Paint Mfrs.), Chester, Pa.
Nevins Sam'l Co., 143 N 4th, Phila., Pa.
Salomon L. A. & Bro. (Imp.), 216 Pearl, New York
Scheel Wm. H. (Imp.), 179 Water, New York *See adv index at end of book*
Wagner Chas. A. Co. Inc., 223 N Front, Phila., Pa.
Whittaker Clark Daniels (Inc.), (Imp.), 250 Front, New York
WILLIAMS C. K. & CO. ("Anchor Brand," All Dry Paint Pigments), Easton, Pa.
See adv index at end of book

14964-5-6—Terra Cotta (Architectural, Enameled, Glazed, Polychrome & Faience

Advance Terra Cotta Co., 2035 Dearborn, Chicago, Ill.
American Terra Cotta & Ceramic Co., 1701 Prairie, Chicago, Ill.
Atlanta Terra Cotta Co., Atlanta, Ga.
Atlantic Terra Cotta Co., 350 Madison av, New York
Batchelder-Wilson Co., 2633 Artesian, Los Angeles, Cal.
Brick Terra Cotta & Tile Co., Corning, N. Y.
Clark N. & Sons, 116 Natoma, San Francisco, Cal.
Conkling-Armstrong Terra Cotta Co., Wissahickon av & Juniata, Phila., Pa.
Denny-Renton Clay & Coal Co., Seattle, Wash.
Denver Terra Cotta Co., W 1st av & Umatilla, Denver, Colo.
Federal Terra Cotta Co., 101 Park av, New York
Gladding, McBean & Co., Crocker bldg, San Francisco, Cal. Works: Lincoln, Ga.
Hartford Faience Co., Bartholomew & Hamilton, Hartford, Conn.
Indianapolis Terra Cotta Co., Brightwood, Indianapolis, Ind.
Italian Terra Cotta Co., 1149 Mission rd, Los Angeles, Cal.
Kansas City Terra Cotta & Faience Co., 19th & Manchester, Kansas City, Mo.
Ketcham O. W., 125 N 18, Phila., Pa.

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Northern Clay Co., Auburn, Wash.
Northwestern Terra Cotta Co., General Office & Works: 2525 Clybourne av, Chicago, Ill.
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St. Louis Terra Cotta Co., 5815 Manchester, St. Louis, Mo.
South Amboy Terra Cotta Co., 150 Nassau, New York
Tropico Potteries, Inc., Glendale, Cal.
Washington Brick, Lime & Sewer Pipe Co., Spokane, Wash.
Western Terra Cotta Co., 1st & Franklin, Kansas City, Mo.
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Winkle Terra Cotta Co., 502 Century bldg, St. Louis, Mo.

14967— Terrazzo Flooring

See also Mosaics of Various Kinds

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Art Mosaic & Tile Co., Toledo, O.
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Cascio S., 1259 Flushing av, Brooklyn, N. Y.
Italian Mosaic & Marble Co., 112 Church, Buffalo, N. Y.
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Roman Mosaic & Tile Co., Inc., 435 Green, Phila., Pa.
Schenectady Tile Co., Schenectady, N. Y.
Standard Mosaic Tile Co., 4551 5th av, Chicago, Ill.
Toscani Jno. L. Co., 930 E 178th, New York
White Marble & Terrazzo Co., Lee, Mass.

14968—Terrazzo (Wholesale)

Jackson C. D. & Co. (Imp.), Locust & 140th, New York

14969— Terrets (Hame)

Eibel Co., Canton, O.
Frazer & Jones Co., Syracuse, N. Y.
North & Judd Mfg. Co. ("Anchor Brand"), New Britain, Conn.

14970—*Test Connectors (Telephone & Telegraph Wires)

DIAMOND EXPANSION BOLT CO ("Diamond"), 89 West, New York
See adv index at end of book
Reliable Elec. Co., 3145 Carroll av, Chicago, Ill.

14971-2— Test Weights

Fairbanks Co., 416 Broome, New York
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Torsion Balance Co., 92 Reade, New York

14973—*Testers (Blasting Machine)

Atlas Powder Co., Wilmington, Del.
DU PONT E. I. DE NEMOURS & CO. INC., Explosives & Smokeless Powder Depts. (see adv at Explosives), Wilmington, Del.
See adv index at end of book
Giant Powder Co., Cons., 1st Natl. Bank bldg, San Francisco, Cal.
Hercules Powder Co. (Rheostat), Wilmington, Del.

14974— Testers (Center)

Starrett L. S. Co., Athol, Mass.

14975— Testers (Circuit)

Atlas Powder Co., Wilmington, Del.
DU PONT E. I. DE NEMOURS & CO. INC., Explosives & Smokeless Powder Depts. (Blasting), (see adv at Explosives), Wilmington, Del.
See adv index at end of book
Manhattan Electrical Supply Co., 17 Park pl, New York
Western Electro-Mechanical Co., 461 2nd, Oakland, Cal.
Weston Electrical Instrument Co., Waverly pk, Newark, N. J.

14976— Testers (Creamery)

Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Burrell D. H. & Co., Inc. ("Burrell-Facile," Babcock Milk & Cream, Power & Hand), Little Falls, N. Y.
Creamery Package Mfg. Co. ("Crepaco"), 61 W Kinzie, Chicago, Ill.
Davis-Watkins Dairymen's Mfg. Co., Dept. H, North Chicago, Ill.
Edson Wyman L., Union Center, N. Y.
Elmer & Amend, 205 E 18th, New York
Rock Island Mfg. Co., Rock Island, Ill.
Sharples Milker Co. (Babcock), West Chester, Pa.
Vermont Farm Machine Co. ("Agos," Babcock), Bellows Falls, Vt.

14977-8— Testers (Egg)

Master Incubator Co., 361 Baldwin, Portland, Ore.
Ozark Electric Co., Aurora, Mo.
Rigling Wm. Egg Tester & Mfg. Co., Hamilton, O.

Testers (Flash Point Oil)

See Testers, Oil

14979— Testers (Fuse)

Electric Specialty Co. ("Addie"), Cresco, Iowa

14980— Testers (Gauge)

American Schaeffer & Budenberg Corp., Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book
Ames B. C. Co., North Station, Waltham, Mass. *See adv index at end of book*
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
Federal Products Corp. ("Federal"), 393 Harris av, Providence, R. I.
Holz Herman A., 16 Madison av, New York
MANNING MAXWELL & MOORE INC. (Ashcroft Mfg. Co. Div.), 100 E 42nd, New York *See adv index at end of book*

14981— Testers (Grain)

See also Scales, Grain Testing

Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
BUFFALO SCALE CO., INC. ("Buffalo"), 1205 Niagara, Buffalo, N. Y.
See adv index at end of book
Caldwell H. W. & Son Co. ("Caldwell"), 17th & Western av, Chicago, Ill.
Emerson Mfg. Co. ("Emerson Kicker" Dockage), 2601 32d av S, Minneapolis, Minn.
Fairbanks Co., 416 Broome, New York
Seed Trade Reporting Bureau, 1018 S Wabash av, Chicago, Ill.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Standard Scale & Supply Co. ("The Standard"), 1631 Liberty av, Pittsburgh, Pa.

Testers (Ham)

See Tryers, Ham

14982— Testers (Hoof)

Heller Bros. Co., 879 Mt. Prospect av, Newark, N. J.

14983—*Testers (Inspectors' Set, High Pressure)

MANNING MAXWELL & MOORE INC. (Ashcroft Mfg. Co. Div.), 100 E 42nd, New York *See adv index at end of book*

Testers (Milk)

See Testers, Creamery

14983a— Testers (Oil)

Central Scientific Co., 460 E Ohio, Chicago, Ill.
Dalgger A. & Co., 54 W Kenzie, Chicago, Ill.
Elmer & Amend, 205 E 18th, New York
Tagliahue C. J. Mfg. Co., 18 33rd, Brooklyn, N. Y.

14984— Testers (Paper)

See also Testing Machines, Paper

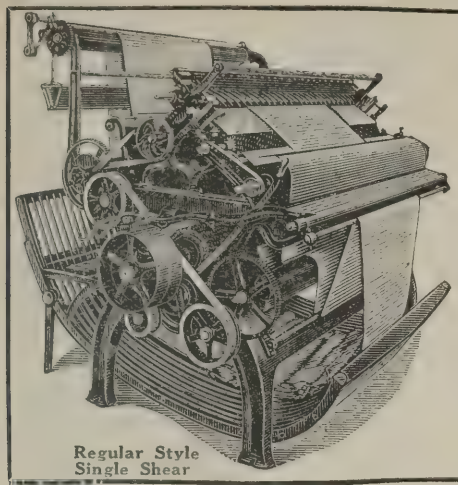
Delta Mfg. Co., 858 3rd, Milwaukee, Wis.
Holz Herman A., 16 Madison av, New York
Illinois Iron & Bolt Co. ("Southworth" Hydrostatic), Carpentersville, Ill.
MANNING MAXWELL & MOORE INC. (Ashcroft Mfg. Co. Div.), 100 E 42nd, New York *See adv index at end of book*
Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.
Perkins B. F. & Son ("Mullen"), Holyoke, Mass.
Thwing Instrument Co., 3339 Lancaster av, Phila., Pa.
Waltham Micrometer Dial Gauge Co. ("Randall & Stickney" Dial Thickness), 243 Ash, Waltham, Mass.

14985—Testers (Rail Bond)

Roller-Smith Co., 233 B'way, New York
Thompson-Levering Co. ("Peerless"), 325 Arch, Phila., Pa.

14986—Testers (Seed Corn)

Burgess & Norton Mfg. Co. ("Burnor Universal" "Browns Perfect"), Geneva, Ill.
Horatt Jos. Mfg. Co., 417 Ferry, Lafayette, Ind.
National Mfg. Co., Des Moines, Ia.
Specialty Mfg. Co. ("Minnesota"), 2362 University av, St. Paul, Minn.
Welch W. M. Scientific Co., 1516 Orleans, Chicago, Ill.



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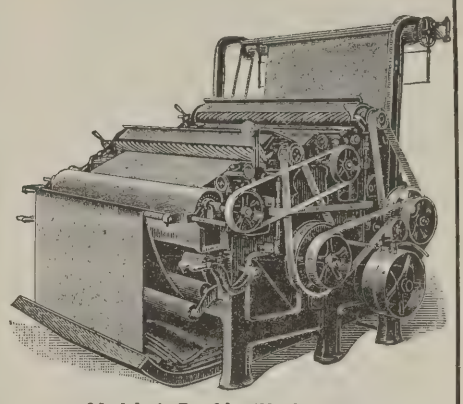
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14986a—Testers (Storage Battery Cell)

Edelmann E. & Co. ("Breaknot"), 2332 Logan blvd, Chicago, Ill.
Heinze John O. Co. ("Springfield"), Springfield, O.
Morse Frank W. ("Shuro"), 289 Congress, Boston, Mass.
See adv index at end of book
Western Electro Mechanical Co., 465 2d, Oakland, Cal.

14987—Testers (Sulphur & Naphthalene)

14988—Testers (Water Meter)

Ford Meter Box Co., Wabash, Ind.
Mueller H. Mfg. Co., Decatur, Ill.
See adv index at end of book
Smith A. P. Mfg. Co. ("Wood"), East Orange, N. J.

14988a—*Testing Apparatus (Concrete Material)

Walstad Machine Co. (For Engineers & Laboratories), 1005 E D, Tacoma, Wash.

14989—Testing Apparatus (Water Meter)

BUFFALO METER CO. ("American"), 2921 Main, Buffalo, N. Y.
See adv index at end of book

14990—Testing Instruments & Meters (Electrical)

BRISTOL CO. ("Bristol's" Recording), Waterbury, Conn.
See adv index at end of book
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Leeds & Northrup Co., 4901H Stenton av, Phila., Pa.
Metropolitan Device Corp., 1250 Atlantic av, Brooklyn, N. Y.
Western Electro-Mechanical Co., 461 2nd, Oakland, Cal.
Westinghouse Electric Mfg. Co. (Also Measuring), East Pittsburgh, Pa.
See adv index at end of book

Testing Machine Mfrs.

For all Testing Machines see Index of Contents

14991—Testing Sets (Electrical)

Brown & Pengilly, Inc. ("Moojen"), 2114 E 9th, Los Angeles, Cal.
GENERAL ELECTRIC CO. (Oil Meter, Rail Bond, etc.), Schenectady, N. Y.
See adv index at end of book
Leeds & Northrup Co., 4901H Stenton av, Phila., Pa.
National Electric Specialty Co. ("Vac-M" For Lightning Arresters), Toledo, Ohio
Queen-Gray Co. (Portable), 67-70H W Johnson, Phila., Pa.
Oakland, Cal.
Western Electro Mechanical Co., 465 2d,
Westinghouse Electric Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book
Worthington A. P. ("Lee Cliff" Armature Tester"), 700 N Main, Los Angeles, Cal.

14991a— Tetrachlorethylene

Dow Chemical Co., Midland. Mich.

14992— Tetrachloride of Tin

Bower Henry Chemical Mfg. Co., 29th & Gray's Ferry rd, Phila., Pa.
General Chemical Co., 40 Rector, New York
Vulcan Detinning Co., Republic Plant, Dept. H, Neville S, Pittsburgh, Pa.

14993—Textile Machinery, Supplies, Etc.

NOTE.—For various kinds of Textile Machinery, Textile Mill Supplies, etc., see also sub-classifications of this head, following in regular alphabetical order. If you fail to find any particular article you are looking for classified here, consult the index of Contents. If not then successful in locating it, drop us a line, describing article required, and we will, free of charge, use our best efforts to look it up for you.

National Vulcanized Fibre Co. ("Laminar"), Beach & Maryland av, Wilmington, Del.
See adv index at end of book
PARKS & WOOLSON MACHINE CO., Springfield, Vt.
See adv index at end of book
Redkin Ekstrom & Co., 1439 Railroad av, Rockford, Ill.
See adv index at end of book
Southern Textile Machinery Co., Greenville, S. C.
Wilson Co., Greenville, S. C.

14994— Agers (Aniline)

Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.

14995—Apron Leather (Rawhide)

Coupe Wm. Corp. ("Excelsior"), Worcester, Mass.

14996—Apron Leather (Worsted)

Brown Bros. Co., 62 Exchange pl, Providence, R. I.
CHICAGO RAWHIDE MFG. CO., THE, 1307 Elston av, Chicago, Ill.
See adv index at end of book
Coupe Wm. Corp. ("Excelsior"), Worcester, Mass.
Foulds I. & Son, Hudson, Mass.
Houghton E. F. & Co. ("Vim"), 240 W Somerset, Phila., Pa.
North Chelmsford Machine & Supply Co., North Chelmsford, Mass.

14997— Aprons (Endless)

Barlow Jno. W. Co., Lawrence, Mass.
Boston Belting Co., 84 Linden Park, Boston, Mass.
CHICAGO RAWHIDE MFG. CO., THE, 1307 Elston av, Chicago, Ill.
See adv index at end of book
Harwood Geo. S. & Son, Exchange bldg, Boston, Mass.
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
LINK-BELT COMPANY, 300 W 39th, Chicago, Ill. *See adv index at end of book*
N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

14998— Aprons (Loom)

Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Pease L. F. Co., 7 Crawford, Providence, R. I.

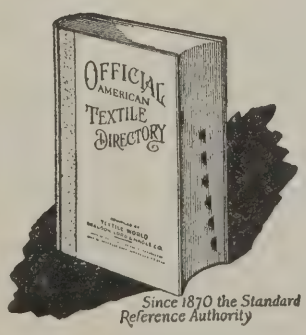
14999—Aprons (Worsted Combing)

American Multiple Fabric Co., 183 Hartford av, Providence, R. I.
Barlow Jno. W. Co., Lawrence, Mass.
Barnes Henry K. Co., 234 Devonshire av, Boston, Mass.
CHICAGO RAWHIDE MFG. CO., THE, 1307 Elston av, Chicago, Ill.
See adv index at end of book
Coupe Wm. Corp ("Excelsior"), Worcester, Mass.
Harwood Geo. S. & Son, Exchange bldg, Boston, Mass.
North Chelmsford Machine & Supply Co., North Chelmsford, Mass.
Norwich Belt Mfg. Co., Norwich, Conn.
Parr Wm. & Son, Lowell, Mass.
Pechin Belting Co. (Chrome & Oak), Fairmount & Front, Phila., Pa.

15000— Bale Breakers

Firth Wm. ("Asa Lees & Co.," Ltd.), 200 Devonshire, Boston Mass.
Saco-Lowell Shops, 77 Franklin, Boston, Mass.

(Continued on following page)



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15001— Ball Winding Machines
FRANKLIN MACHINE CO., Providence, R. I. *See adv index at end of book*
North Chelmsford Machine & Supply Co., North Chelmsford, Mass.

15002— Balling Machines
Curtis & Marble Machine Co., Worcester, Mass.
Draper Corp., Hopedale, Mass.
Entwistle T. C. Co., Lowell, Mass.
Proctor & Schwartz, Inc. ("Smith-Furbush") 7th & Tabor rd, Phila., Pa.
Riley C. E. Co., 161 Devonshire, Boston, Mass.
Saco-Lowell Shops, Boston, Mass.

15003—Band Folding & Cutting Machines
Firshing John A., Utica, N. Y.

15004—Bandage Splitting & Rolling Machines
Cameron Machine Co. (Surgeons' Roll Winding), 61 Poplar, Brooklyn, N. Y.
Curtis & Marble Machine Co., Worcester, Mass.

15005— Banding Machines
Draper Corp., Hopedale, Mass.
Empire Weaving & Belting Corp., East Rochester, N. Y.
Smith Drum & Co. (Wrap), Allegheny av & 5th, Phila., Pa.

Bands (Hosiery)
See Hosiery Bands

15006— Beamers
Altemus Jacob K., 2624 N Amer., Phila., Pa.
Atwood Machine Co., Stonington, Conn.
Cocker Machine & Fdry. Co., Gastonia, N. C.
Crompton & Knowles Loom Works, 93 Grand Park, Worcester, Mass.
Eastwood Benj. Co., Paterson, N. J.
Entwise T. C. Co., Lowell, Mass.
Hughes & Russum, Oxford & Hodge, Phila., Pa.
Knapp, C. H., Paterson, N. J.
Lever Oswald Co., 13th & Cumberland, Phila., Pa.
Proctor & Schwartz, Inc. ("Smith-Furbush"), 7th & Tabor rd, Phila., Pa.

15007— Beaming Rathes
Walker Mfg. Co., Kensington & Ontario, Phila., Pa.

Bearings
(See Bearings (Textile Machinery)

15008-9— Belt Hole Guards
Draper Corp., Hopedale, Mass.

15010— Bleaching Machinery
(Names with * also manufacture Monel Metal)
American Laundry Machinery Co., Cincinnati, O.
Arlington Machine Works, Arlington Heights, Mass.
Berks Engineering Co., Reading, Pa.
Birch Bros., Somerville, Mass.
Brandwood John, Bury, England
*Butterworth H. W. & Sons Co., 2415 E York, Phila., Pa.
Columbus Truck & Supply Mfg. Co., Columbus, Ga.
Delahunty Dyeing Machine Co., Pittston, Pa.
Giles Dyeing Machinery Co., North Philadelphia, Pa.
Grand Rapids Textile Machinery Co., Grand Rapids, Mich.
Hoey Mfg. Co., Inc., Providence, R. I.
Holyoke Machine Co., Holyoke, Mass.
Hunt Rodney Machine Co., Orange, Mass.
Hussong Dyeing & Machine Co., Groveville, N. J.
Hussong Dyeing Machine Co., Groveville, N. J.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Jefferson E. D. & Son, 189 High, Boston, Mass.
Jensen Mfg. Co., Palmyra, N. J.
Johnson, Charles B., Paterson, N. J.
King & Gerber, Paterson, N. J.
*Klauder-Weldon Dyeing Machine Co., Yardley, Pa.
Liberty Coppersmithing Co., Philadelphia, Pa.
Lorimer Machine Company, Philadelphia, Pa.
Morrison Machine Co., Paterson, N. J.
*Phila. Drying Machinery Co., 3351 Stockley, Phila., Pa.
Rodney Hunt Machine Co., Orange, Mass.
Rome Machine & Foundry Co., Rome, Ga.
Schaefer Co. Emil, 1320 N 5th, Philadelphia, Pa.
Sholes, Inc., 186 Lafayette, New York
Smith, Drum & Co., Allegheny av & 5th, Phila., Pa.
*Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.
Utica Novelty & Mill Specialty Co., Utica, N. Y.
Wallace-Tierman Co. Inc., 349 Broadway, New York
Walker & Davis, Inc., Philadelphia, Pa.
Watson Machine Co., Paterson, N. J.
Winsor & Jerauld Mfg. Co., 1268 Eddy, Providence, R. I.

15010a— Blocks (Ribbon)
Allentown Reed Harness & Mill Supply Co., Allentown, Pa.
Hoffman J. C. Inc., 2595 3rd av, New York
Nashua Spool & Bobbin Co. (Wooden), Grove Hall, Boston, Mass.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. See *adv index at end of book*
Ulrich Co., H, Ward, Paterson, N. J.

15011— Bluing Machines
Butterworth H. W. & Sons Co., 2415 E York, Phila., Pa.
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.

15012— Bobbin Boxes
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
See adv index at end of book
Standard Fibre Co. (Fibre), Miller st, Somerville, Mass.

15013— Bobbin Holders
Draper Corp. ("MacColl," "Lawrence," "Rhoades"), Hopedale, Mass.
Murdock & Geb Co. ("Murdock" for Mules, Winders & Twisters), Franklin, Mass.
Roney & Rae Co. ("Little Giant"), Woonsocket, R. I.

15013a— Bobbin Printing Machines
Blandin Co., Lawrence, Mass.

15014— Bobbin Rings
Stimpson Edwin B. Co. (Metal Heads or Washers for Wooden Bobbins), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

15015— Bobbin Winders
Altemus Jacob K., 2624 N Amer., Phila., Pa.
Diamond Textile Machine Works, Harrison bldg, Philadelphia, Pa.
Johnson & Bassett, Worcester, Mass.
Lazenby F. A. & Co., 414 Key Highway, Baltimore, Md.
Lever Oswald Co., 13th & Cumberland, Phila., Pa.
R. I. Braiding Machine Co., 223 Aborn, Providence, R. I.
Textile Machine Works, Reading, Pa.
Universal Winding Co. ("Leesona"), 95 South, Boston, Mass.

15016— Bobbins
Allentown Bobbin Works (Fibre Head & All Wood), 2624 N. Amer., Allentown, Pa.
Allentown Reed Harness & Mill Supply Co., Jordan & Walnut, Allentown, Pa.
American Bobbinett Co., H, Lafayette, Newburgh, N. Y.
American Supply Co., 135 Washington, Providence, R. I.
Atwood, Crawford Co., Pawtucket, R. I.
Avoca Mfg. Co., Avoca, N. Y.
Billington Jos. H. Co., 113 Chestnut, Phila., Pa.
Bogert & Hopper, Inc. (Filler Stick), 57 Barclay, New York
See adv index at end of book
Brown Bros. Co., 62 Exchange pl, Providence, R. I.
Clover Leaf Mfg. Co., Carbondale, Pa.
Continental Fibre Co. (Coil, Fibre), Newark, Del.
Courtney D. S., Co., Chicopee, Mass.
Crandall G. H. Co. (Winder), Cohoes, N. Y.
Delaware Hard Fibre Co. (Coil, Fibre), Wilmington, Del.
See adv index at end of book
Dudley S. A., Taunton, Mass.
Eaton Hy. A. & Son, Littleton, N. H.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Excelsior Bobbin & Spool Co., Newtown, Pa.
Fall River Bobbin & Shuttle Co., Fall River, Mass.
Fall River Foundry & Machine Co., Fall River, Mass.
Frost Geo. T. & Sons, Paterson, N. J.
Hall I. A. & Co., Paterson, N. J.
Hartford Machine Screw Co. Sewing Machine), Hartford, Conn.
Hartson L. M. Co. (Iron, Fibre & Wood Heads), North Windham, Conn.
Iten Fibre Co. (Bobbin Heads), 2358 E 67th, Cleveland, O.
See adv index at end of book
Jordan Mfg. Co., Monticello, Ga.
Leigh & Butler ("Wilson Bros."), 233 Summer, Boston, Mass.
Macrodi Fibre Co. (Fibre), Woonsocket, R. I.
Moore C. C., Lisbon, N. H.
Mossberg Frank Co. (Stamped Steel), Attleboro, Mass.
Nashua Spool & Bobbin Co. (All Kinds), Haverhill National Bank bldg, Haverhill, Mass.
Orleans Bobbin Works, Newport, Vt.
Parks M. H. & Co., Winchendon, Mass.
Parker Spool & Bobbin Co. (Warp, Filling, Twisters & Speeders), Lewiston, Me.
Payne Geo. W. & Co. (Hosiery Winder), Pawtucket, R. I.
Potter Bros., South Scituate, R. I.
Shambow Shuttle Co., Woonsocket, R. I.
Shelburne Mfg. Co. (In the Rough & Finished), Shelburne, N. H.
Sprague L. Co., Lawrence, Mass.
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Sweet & Doyle, Cohoes, N. Y.
Tebbetts E. L. Spool Co., Locke Mills, Me.
Tompkins Bros. Co. (Winder), Syracuse, N. Y.
U. S. Bobbin & Shuttle Co., 57 Eddy, Providence, R. I.
Ulrich Co., H, Ward, Paterson, N. J.
Van Riper Mfg. Co., Paterson, N. J.
Vermont Spool & Bobbin Co., Burlington, Vt.
Weld Bobbin & Spool Co., 42 Island, Lawrence, Mass.
Whitefield Mfg. Co., Whitefield, N. H.
Williams J. H. Co., Millbury, Mass.
Wilmington Fibre Specialty Co., Wilmington, Del.
Wing Spool & Bobbin Co., Kingfield, Me.
Woodstock Mfg. Co. (Heavy for Rope & Cordage, etc), Charleston, S. C.
Young Chas. A., Easton, N. H.

15017— Boxes (Comber)
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
Standard Fibre Co. (Fibre), Miller st, Somerville, Mass.

15018—Boxes (Drawing & Roving)
Riley C. E. Co., 161 Devonshire, Boston, Mass.
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
Saco-Lowell Shops (Worsted), 77 Franklin, Boston, Mass.
Wilson Andrew Co. (Metallic), 616 Essex, Lawrence, Mass.

15019— Boxes (Mill)
Diamond State Fibre Co. (Fibre), Bridgeport, Pa.
See adv index at end of book
National Vulcanized Fibre Co. (Fibre), Beach & Maryland av, Wilmington, Del. *See adv index at end of book*
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
See adv index at end of book
Wilson Andrew Co. (Metallic), 616 Essex, Lawrence, Mass.

15020-1— Boxes (Steam)
Leslie, Elliott & Co., Paterson, N. J.
McNamara Bros. Co., Westport, Baltimore, Md.
Scannell Boiler Works, Lowell, Mass.
Smith Samuel & Son Co., Paterson, N. J.
Watson Machine Co., Paterson, N. J.
Whitlock Coil Pipe Co. ("American" Hot Water), Hartford, Conn.

15022—Braid Calendering Machines
Rhode Island Braiding Machine Co., 223 Aborn, Providence, R. I.

15022a—Braid Measuring Machines
Textile Machine Works, Reading, Pa.

15023— Braid Rolling Machines
Rhode Island Braiding Machine Co., 223 Aborn, Providence, R. I.

15024—Breaking Machines (Hard Waste)
Curtis & Marble Machine Co., Worcester, Mass.
Proctor & Schwartz, Inc. ("Smith," "Furbush"), 7th & Tabor rd, Phila., Pa.
Riley C. E. Co., 161 Devonshire, Boston, Mass.

15025— Breasts (Metallic)
Proctor & Schwartz, Inc. ("Smith," "Furbush"), 7th & Tabor rd, Phila., Pa.

15026— Brushes (Mill)
Atlanta Brush Co. ("Felco"), Atlanta, Ga.
Bradley & Smith, 251 Pearl, New York
Cocker Webber Brush Co., Widener & York av, Philadelphia, Pa.
Costello J. S. & Son Brush Co., 1108H Pine St. Louis, Mo.
Darby Edw. J. & Sons, 319 Vine, Phila., Pa. *See adv index at end of book*
Felton S. A. & Son Co., Manchester, N. H.
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
Jacobus A. G. Sons, Verona, N. J.
Lahue M. M. & Co., Lowell, Mass.
Mason Brush Works, Worcester, Mass.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Nebes David, Lowell, Mass.
North Chelmsford Machine & Supply Co. (Comb & Machine), North Chelmsford, Mass.

Ox Fibre Brush Co., 500 E Church, Frederick, Md. *See adv index at end of book*
PARKS & WOOLSON MACHINE CO., Springfield, Vt.
See adv index at end of book
Rhode Island Braiding Machine Co., 223 Aborn, Providence, R. I.
Rhode Island Brush Co., 50 Daniel av, Providence, R. I.
Turner J. S. Mfg. Co. (Comp & Machine), Lowell, Mass.
Voelker Philip L., 2 Bucklin, Providence, R. I.
Woonsocket Brush Co., Woonsocket, R. I.

15027— Burling Irons

American Supply Co., 135 Washington, Providence, R. I.
Bullock Mfg. Associates, Springfield, Mass.
Parkinson Edw. Mfg. Co., 84 Sprague, Providence, R. I.
Stortz John & Son, 210 Vine, Phila., Pa.

15028— Burr Blades

Cooper Chas. (Est. of), Bennington, Vt.
Crane Mfg. Co., Lakeport, N. H.
Tompkins Bros. Co., Syracuse, N. Y.

15029— Burring Machines

Brown Cotton Gin Co., New London, Conn.
Curtis & Marble Mach. Co. (Wool), Worcester, Mass,
Hemingway Machine Co., Lynn, Mass.
Lombard Machine Co. (Steel Ring), Worcester, Mass.
Sargent's C. G. Sons Corp., Graniteville, Mass.

Calendering Machines
See Index of Contents

15030—Calico Printers' Machinery

Arlington Mach. Works, Arlington Heights, Mass.
Birch Bros., Somerville, Mass.
Butterworth H. W. & Sons Co., 2415 E York, Phila., Pa.
Textile Finishing Machy. Co., 171 Westminster, Providence, R. I.
Waldron Jno. Co., New Brunswick, N. J.

15031— Cans (Cotton)

National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
New England Ventilating & Heating Co., 926 Manton av, Providence, R. I.
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
See adv index at end of book

15032— Cans (Drying)

New England Ventilating & Heating Co., 926 Manton av, Providence, R. I.

15033— Cans (Dye House)

Hill James Mfg. Co. (Galvanized Iron), 52 Westfield, Providence, R. I.

15034— Cans (Mill)

Clark W. J. Co., Salem, O.
N. E. Ventilating & Heating Co., 926 Manton av, Providence, R. I.
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
See adv index at end of book
Wilson Andrew Co. (Metallic), 616 Essex, Lawrence, Mass.

15035— Carbonizers

Birch Bros., Somerville, Mass.
Blaich Alfred O. Co. ("Blaich"), 1956 Clybourn av, Chicago, Ill.
Buhlmann A. W., 200 5th av, New York
Hunt Rodney Machine Co., Orange, Mass.
Hunter Jas. Machine Co., N Adams, Mass.
Hussong Dyeing & Machine Co., Groveville, N. J.
Lord, Bowler & Co., 33 Center, Cleveland, Ohio
Park Chemical Co., 35 Lovett, Detroit, Mich.
Philadelphia Drying Machinery Co. ("Hurricane"), 3351 Stokley, Phila., Pa.
Proctor & Schwartz, Inc. ("Proctor," "Wood & Rag"), 7th & Tabor rd, Phila., Pa.
Sargent's C. G. Sons Corp., Graniteville, Mass.
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.

15036— Card Attachments

Proctor & Schwartz, Inc. ("Smith," "Furbush"), 7th & Tabor rd, Phila., Pa.
Rushton-Carroll Co. ("Rushton-Carroll." Under Grid), 34 Tudor, Cambridge, Mass.

15037-8— Card Clothing

American Card Clothing Co., Worcester, Mass.
Ashworth Bros., Fall River, Mass.
Bagshaw W. H. Co., Lowell, Mass.
Bates E. V. Machine Co., Lowell, Mass.
Booth Benj. & Co. (Ltd.), 1717 N Bodine, Phila., Pa.
Buhlmann A. W., 200 5th av, New York
Charlotte Mfg. Co., Charlotte, N. C.
Crabb Wm. & Co., 3d av, Newark, N. J.
Davis & Furber Machine Co., N Andover, Mass.
Firth Wm. (Joseph Sykes Bros. & Watson Bros.), 200 Devonshire, Boston, Mass.
Howard Bros. Mfg. Co., Worcester, Mass.
Leigh & Butler ("Joseph Sykes Bros." & "Critchley's"), 232 Summer, Boston, Mass.
Lombard Machine Co., Worcester, Mass.

15039—Card Grinding Machines

Barker James, 6th & Cayuga, Phila., Pa.
Entwistle T. C. Co., Lowell, Mass.
Firth Wm. (Dronsfield), 200 Devonshire, Boston, Mass.
Leigh & Butler ('Dronsfield Bros."), 232 Summer, Boston, Mass.
Lombard Machine Co., Worcester, Mass.
Proctor & Schwartz, Inc. ("Smith-Furbush"), 7th & Tabor rd, Phila., Pa.
Riley C. E. Co. (Mfrs.' Agts.), 161 Devonshire, Boston, Mass.
Roy B. S. & Son Co., Worcester, Mass.

15040— Card Middles

Fort Griswold Paper Co., Montville, Conn.
Mac-Sim-Bar Paper Co., Otsego, Mich.
Thames River Specialties Co., Uncasville, Conn.

15041—Card Repeaters (Jacquard)

Halton's Thos. Sons, Allegheny av & C, Phila., Pa.
Royle John & Son Inc., Dept. H, Paterson, N. J.

15042—Card Stitching Machines (Jacquard)

Singer Sewing Machine Co., 149 B'way, New York

15043— Card Stretchers

Proctor & Schwartz, Inc. ("Smith-Furbush"), 7th & Tabor rd, Phila., Pa.

15044— Carders' Tools

Roy B. S. & Son Co., Worcester, Mass.

15045— Cards (Cotton)

Fall River Foundry & Machine Co., Fall River, Mass.
Mason Machine Works, Taunton, Mass.
Pevey Foundry Co., Lowell, Mass.
Proctor & Schwartz, Inc. (Waste), 7th & Tabor rd, Phila., Pa.
Saco-Lowell Shops, 77 Franklin, Boston, Mass.
Watson L. S. Mfg. Co., Leicester, Mass.
Whitin Mach. Works, Whitinsville, Mass.

15046— Cards (Foss & Pevey)

Fall River Foundry & Machine Co., Fall River, Mass.
Pevey Foundry Co., Lowell, Mass.
Saco-Lowell Shops (Repairs Only), 1 Federal, Boston, Mass.

15047— Cards (Hand)

Charlotte Mfg. Co., Charlotte, N. C.
Howard Bros. Mfg. Co. ("Midgley's Stripping), Worcester, Mass.
Proctor & Schwartz, Inc., 7th & Tabor rd, Phila., Pa.
Watson L. S. Mfg., Leicester, Mass.

15048— Cards (Jacquard)

Case Bros., Highland Park, Conn.
Crehore Chas. F. & Son, Newtown Lower Falls, Mass.
Rogers Paper Mfg. Co., South Manchester, Conn.

15049—Cards (Revolving Flat)

Firth Wm. ("Asa Lees & Co.", Ltd.), 200 Devonshire, Boston, Mass.
Mason Machine Works, Taunton, Mass.
Potter & Johnston Machine Co., Pawtucket, R. I.
Riley C. E. Co., 161 Devonshire, Boston, Mass.
Saco-Lowell Shops, 1 Federal, Boston, Mass.
Whitin Machine Works, Whitinsville, Mass.

15050—Cards (Steel Wire Stripper)

Watson L. S. Mfg. Co., Leicester, Mass.

15051—Cards (Woolen & Worsted)

American Card Clothing Co., Worcester, Mass.
Jefferson Edw. (Imp), 23H S 2nd, Phila., Pa.
Lombard Machine Co., Worcester, Mass.
PROCTOR & SCHWARTZ, INC. ("Smith-Furbush"), 7th & Tabor rd, Phila., Pa.
Watson L. S. Mfg. Co., Leicester, Mass.

15052— Carpet Machinery

Altemus Jacob K., 2624 N Amer., Philadelphia, Pa.
Butterworth H. W. & Sons Co., 2415 E York, Phila., Pa.
Crompton & Knowles Loom Works (Weaving), 93 Grand Park, Worcester, Mass.
Curtis & Marble Machine Co., 72 Cambridge, Worcester, Mass.
Diamond Textile Machine Works, Harrison bldg, Philadelphia, Pa.
PARKS & WOOLSON MACHINE CO. (Shears), Springfield, Vt.
See adv index at end of book
Proctor & Schwartz, Inc. ("Proctor," Dryers), 7th & Tabor rd, Phila., Pa.
Textile Finishing Machy. Co., 171 Westminster, Providence, R. I.

15053—Carpet Printing Machines

Waldron Jno. Co., New Brunswick, N. J.

15054— Carpet Rolling Machines

Altemus Jacob K., 2624 N. Amer., Phila., Pa.
Curtis & Marble Machine Co., Worcester, Mass.
PARKS & WOOLSON MACHINE CO., Springfield, Vt.
See adv index at end of book

15055— Chenille Machines

Eppler's Jno. Mach. Wks., Buttonwood & N Amer., Phila., Pa.

15056— Chinchilla Machines

Curtis & Marble Machine Co., Worcester, Mass.
Hunter James Machine Co. (Napping or Riffing), North Adams, Mass.

15057-8— Chroming Machines

Haag A. W. & Co., Reading, Pa.
Phila. Drying Machy Co., 3351 Stockley, Phila., Pa.
Smith, Drum & Co., Allegheny av & 5th, Phila., Pa.

15059—Cloth Brushing Machines

Ardrey S. B. & Sons, Bristol, Pa.
Curtis & Marble Machine Co., Worcester, Mass.
McCreary Edw'd, Cohoes, N. Y.
PARKS & WOOLSON MACHINE CO., Springfield, Vt.
See adv index at end of book
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.
Thayer P. E. & Co., Pawtucket, R. I.

15059a—Cloth Carbonizing Machines

Proctor & Schwartz, Inc., 7th & Tabor rd, Philadelphia, Pa.
See adv index at end of book

15060—Cloth Calendering Machines
See also Calendering Machines

Butterworth H. W. & Sons Co., 2415 E York, Phila., Pa.
Curtis & Marble Machine Co., Worcester, Mass.
Dennis John Machine Co., Lowell, Mass.
Kilburn, Lincoln Machine Co., Fall River, Mass.
McCreary Edward, Cohoes, N. Y.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Terhune J. I. Machine Works, 164 Ward, Paterson, N. J.
Textile Finishing Machinery Co. (Pressure & Friction), 171 Westminster, Providence, R. I.
Utica Novelty & Mill Specialty Co., Utica, N. Y.

15061—Cloth Cutting, Folding & Winding Machines

Firsching John A., Utica, N. Y.
Ireland Machine & Foundry Co., Inc., Norwich, N. Y.

15062— Cloth Cutting Machines

Artos Engineering Co. (Automatic), 343 Milwaukee, Milwaukee, Wis.
Birmingham Iron Foundry ("Schofield" Bias Shear), Derby, Conn.
Cameron Machine Co., 61 Poplar, Brooklyn, N. Y.
Dennis John Machine Co., Lowell, Mass.
Eastman Machine Co. ("Eastman"), 779 Washington, Buffalo, N. Y.
Maimin H. Co. ("Maimin" Electric), 251 W 19th, New York
Osann Frederick Co., 345 7th av, New York
Smith & Winchester Mfg. Co. (Hand & Power), South Windham, Conn.
Spadone Machine Co., Inc. (for Cutting on the Bias), 15 Park Row, New York
U. S. Cloth Cutting Machine Co., 414 W. B'way, New York
Universal Cutter Co. (Electric), 4567 Scott av, St. Louis, Mo.
Wildman Mfg. Co. (Electric), Norristown, Pa.

15063—Cloth Expanders (Mycock's)

Leyland Thos. & Co., Readville, Boston, Mass.

15064—Cloth Inspecting Machines

Curtis & Marble Machine Co., Worcester, Mass.
PARKS & WOOLSON MACHINE CO., Springfield, Vt.
See adv index at end of book
Woonsocket Machine & Press Co., Woonsocket, R. I.

15065—Cloth Measuring Machines

Curtis & Marble Machine Co., Worcester, Mass.
Eastwood Benjamin Co., Paterson, N. J.
Econometer Co., Pontiac bldg., St. Louis, Mo.

(Continued on following page)

Cloth Measuring Machines—Cont.

Elliott & Hall, Worcester, Mass.
Firsching Jos., Utica, N. Y.
Gerry Geo. W. & Son, Athol, Mass.
PARKS & WOOLSON MACHINE CO., Springfield, Vt.
See adv index at end of book
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.
Voelker Geo. W. & Co., Woonsocket, R. I.
Windle J. E., 28 Hermon, Worcester, Mass.

15066— Cloth Rolling Machines

Cameron Machine Co., 61 Poplar, Brooklyn, N. Y.
Curtis & Marble Mach. Co., Worcester, Mass.
PARKS & WOOLSON MACHINE CO., Springfield, Vt.
See adv index at end of book
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.

15067—Cloth Room Sewing Machines

Singer Sewing Mach. Co., 149 B'way, New York

15067a—*Cloth Shrinking Machines

Proctor & Schwartz, Inc., 7th & Tabor rd, Philadelphia, Pa.
See adv index at end of book

15068—Cloth Stamping Machines

PARKS & WOOLSON MACHINE CO., Springfield, Vt.
See adv index at end of book
Saco-Lowell Shops, 1 Federal, Boston, Mass.

15069— Cloth Stretchers

Birch Bros., Somerville, Mass.
Butterworth H. W. & Sons Co., 2415 E York, Phila., Pa.
Luther C. A. & Co., Pawtucket, R. I.
PARKS & WOOLSON MACHINE CO., Springfield, Vt.
See adv index at end of book
Tenney A. E. Mfg. Co., Pawtucket, R. I.
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.

15069a— Cloth Tubes

Southern Novelty Co., Hartsville, S. C.

15070 —Cloth Turning Machines

Firsching John A., Utica, N. Y.
McCreary Edward, Cohoes, N. Y.
Utica Novelty & Mill Specialty Co., Utica, N. Y.

15071—Clothing Hanging Machines

Reliance Machine Works, Hedge & Plum, Philadelphia, Pa.

15072—Collarette Cutting Machines

Firsching John A. (Cutting & Windings), Utica, N. Y.
Utica Novelty & Mill Specialty Co., Utica, N. Y.

15073— Comb Circles & Fallers

Bagshaw W. H. Co., Lowell, Mass.
Bradford Wool Comb Co., 1908 E Westmoreland, Phila., Pa.
Bragg Jno. L., 24 Atwood, Providence, R. I.
Crabb Wm. & Co., 3d av, Newark, N. J.
Leigh & Butler ("Harding's"), 232 Summer, Boston, Mass.
North Chelmsford Machine & Supply Co., North Chelmsford, Mass.
Riley C. E. Co., 161 Devonshire, Boston, Mass.
Turner J. S. Mfg. Co. (Combs & Circles), Lowell, Mass.

15074— Combs (Cotton)

Dundore Mfg. Co., 224 Orange, Reading, Pa.
Leigh & Butler ("Platt's"), 232 Summer, Boston, Mass.

15075— Combs (Doffer)

Barker James, 6th & Cayuga, Phila., Pa.
Firth Wm., 200 Devonshire, Boston, Mass.
Proctor & Schwartz, Inc. ("Smith-Furbush"), 7th & Tabor rd, Phila., Pa.

15076— Combs (Slasher)

American Supply Co., 135 Washington, Providence, R. I.
Andrews Loom Reed Harness Works, Spartanburg, S. C.
Charlotte Mfg. Co., Charlotte, N. C.
Emmons Loom Harness Co., Lawrence, Mass.
Gowdey J. A. Reed & Harness Mfg. Co., 1226 No Main, Providence, R. I.
McGregor & Sons, Fall River, Mass.
Scholes John & Co., Lowell, Mass.
Walker Mfg. Co., Kensington & Ontario, Phila., Pa.

15078— Combs (Wool)

Bagshaw W. H. Co., Lowell, Mass.
Bradford Wool Comb Co., 1908 E Westmoreland, Phila., Pa.
Bragg Jno. L., 24 Atwood, Providence, R. I.
Jefferson Edw. (Imp.), 23H S 2nd, Phila., Pa.
Leigh & Butler ("Platt's"), 232 Summer, Boston, Mass.
Lombard Machine Co., Worcester, Mass.
Miller Wm. Co., 228 Aborn, Providence, R. I.
Riley C. E. Co., 161 Devonshire, Boston, Mass.
Smith Jas. & Son, Worcester, Mass.

15079-80— Compass Boards

Hall I. A. & Co., Paterson, N. J.

15081— Conditioning Ovens

Emerson Apparatus Co., 251 Causeway, Boston, Mass.

Cone Tubes

See Cop Tubes

15082— Conveyors (Stock)

Rushton-Carroll Co. ("Rushton-Carroll"), 34 Tudor, Cambridge, Mass.

15083— Conveyors (Waste End)

New England Ventilating & Heating Co., 926 Manton av, Providence, R. I.
Rushton Carroll Co. ("Rushton-Carroll"), 34 Tudor, Cambridge, Mass.

Cop Skewers

See Skewers

15084— Cop Tube Machinery

Eppler's Jno. Mach. Works, Buttonwood & N Amer., Phila., Pa.

15085— Cop Tubes (Paper)

American Paper Tube Co., Woonsocket, R. I.
Chase F. A. & Co., 253 W Exchange, Providence, R. I.
Douglas Robt. D., Fall River, Mass.
Fraprie-Douglas Co., Fall River, Mass.
Lowell Paper Tube Corp., Lowell, Mass.
McCausland John, East Providence, R. I.
Pairpoint Corporation, New Bedford, Mass.
Taylor Chas. F. ("Burgess"), 57 Weybosset, Providence, R. I.

15086—Corduroy Cutting Machines

Firth Wm. (Cotton Cord & Velvet Cutting Machine Co.'s), 200 Devonshire, Boston, Mass.

15087—Cotton Batting Machinery

Hunter Jas. Machine Co., N Adams, Mass.
Proctor & Schwartz, Inc. ("Smith-Furbush"), 7th & Tabor rd, Phila., Pa.
Whitin Machine Works, Whitinsville, Mass.

15088—Cotton Cord Cutting Machines

Artos Engineering Co., 306 Milwaukee, Milwaukee, Wis.
Firth Wm. (Cotton Cord & Velvet Cutting Machine Co.'s), 200 Devonshire, Boston, Mass.

15089— Cotton Machinery

See also the Particular Article Required
Brigham Arthur A., 364 Atlantic av, Boston, Mass.
Brockway & Meckensturm Mach. Co., Moodus, Conn.
Brownell G. L., 49 Union, Worcester, Mass.
Butterworth H. W. & Sons Co. (Finishing), 2415 E York, Phila., Pa.
Cohoes Iron Foundry & Machine Co. (Slashing Machinery of Every Description), Cohoes, N. Y.
Crompton & Knowles Loom Works (Weaving), 93 Grand Park, Worcester, Mass.
Curtis & Marble Machine Co., Worcester, Mass.
Diamond Textile Machine Works, Harrison bldg, Philadelphia, Pa.
Draper Corp., Hopedale, Mass.
Easton & Burnham Machine Co., Pine, Pawtucket, R. I.
Entwistle T. C. Co., Lowell, Mass.
Fales & Jenks Machine Co., Pawtucket, R. I.
Fall River Fdry. & Mach. Co., Fall River, Mass.
Firth Wm. (Asa Lees & Co.'s), 200 Devonshire, Boston, Mass.
H & B. Am. Machine Co., Pawtucket, R. I.
Hughes & Russum, Oxford & Hedge, Phila., Pa.
Kilburn, Lincoln Machine Co., Fall River, Mass.
Lazenby F. A. & Co., 414 Key Highway, Baltimore, Md.
Leigh & Butler ("Platt Bros. & Co."), 232 Summer, Boston, Mass.
Mason Machine Works, Taunton, Mass.
Nat'l Machy. Co. (Dealers), 11 Eddy, Providence, R. I.
PARKS & WOOLSON MACHINE CO., Springfield, Vt.
See adv index at end of book
Payne Geo. W. & Co., Pawtucket, R. I.
Proctor & Schwartz, Inc. (Dryers, Cards, Garnetts), 7th & Tabor rd, Phila., Pa.
Riley C. E. Co., 161 Devonshire, Boston, Mass.
Saco-Lowell Shops, 1 Federal, Boston, Mass.
Sargent's C. G. Sons Corp., Graniteville, Mass.
Schofield Geo. L., 123 N Front, Phila., Pa.
Smith Geo. E. (Dealers), Cohoes, N. Y.
Universal Winding Co. ("Leesona"), 95 South, Boston, Mass.
Withers Foundry & Machine Works, Atlanta, Ga.
Whitin Machine Works, Whitinsville, Mass.
Whitinsville Spinning Ring Co., Whitinsville, Mass.
Woonsocket Mach. & Press Co., Woonsocket, R. I.

15090—Counters (Spindle Speed)

Draper Corp., Hopedale, Mass.

15091— Counters (Twist)

Scott Henry L. & Co., 101 Blackstone, Providence, R. I.

15092— Crabbing Machines

Birch Bros., Somerville, Mass.
Butterworth H. W. & Sons Co., 2415 E York, Phila., Pa.
Hunt Rodney Mach. Co., Orange, Mass.
Hunter Jas. Machine Co., N. Adams, Mass.
Textile Finishing Machy. Co., 171 Westminster, Providence, R. I.

15093-4— Creels

Diamond Textile Machine Works, Harrison bldg, Philadelphia, Pa.
Eastwood Benj. Co., Paterson, N. J.
Knapp Chas. H. (Wrapper), Paterson, N. J.
Lever Oswald Co., (Spool for Warping Mills for Lace Looms), 13th & Cumberland, Phila., Pa.
Proctor & Schwartz, Inc. ("Smith-Furbush" Waste Machinery), 7th & Tabor rd, Phila., Pa.
Tillotson Humidifier Co. (Revolving Ball for Worsted Mills), 73 Fountain, Providence, R. I.

15095— Crocheting Machinery

Berlin Machine Works, 291 Broadway, New York
Merrow Mach. Co. (Blanket), Hartford, Conn.
National Automatic Knitter Co., 2725 Mutter, Phila., Pa.

15096— Cuff Cutting Machines

Artos Engineering Co., 306 Milwaukee, Milwaukee, Wis.
Firsching J. A., Utica, N. Y.

15097—Cuff Machines (Flat Ribbed)

Crane Mfg. Co., Lakeport, N. H.

15098— Cut Markers

Textile Finishing Machy. Co., 171 Westminster, Providence, R. I.

15099—Cutters (Automatic Peg & Lace Hole)

Royle John & Sons, Paterson, N. J.

15100— Cutters (Carpet)

Reed Mfg. Co. (Foot & Belt Power), Springfield, O.

15101-2— Cutters (Chenille)

Altemus Jacob K., 2624 N. Amer., Philadelphia, Pa.
Cameron Machine Co., 61 Poplar, Brooklyn, N. Y.
Lever Oswald Co., 13th & Cumberland, Phila., Pa.

Cutters (Cloth)

See Cutting Machine, For Fabrics

15103— Cutters (Electric)

Eastman Machine Co. ("Eastman"), 779 Washington, Buffalo, N. Y.
U. S. Cloth Cutting Machine Co. (Cloth "U. S."), 414 W B'way, New York

15104— Cutters (Flock)

Curtis & Marble Mach. Co., Worcester, Mass.

15105— Cutters (Gusset)

Utica Novelty & Mill Specialty Co., Utica, N. Y.

15106— Cutters (Knit Fabric)

Eastman Machine Co. ("Eastman"), 779 Washington, Buffalo, N. Y.
Parsons Machinery Co., Marlboro, Mass.
Tolhurst Machine Works, Troy, N. Y.
Universal Cutter Co., 4567 Scott av, St. Louis, Mo.
Wildman Mfg. Co. (Cloth also), Norristown, Pa.

15107-8— Cutters (Plush)

Eastman Machine Co. ("Eastman"), 779 Washington, Buffalo, N. Y.
Dennis John Machine Co., Lowell, Mass.

15109-10— Cutters (Rib)

Cooper Charles (Est. of), Bennington, Vt.
Curtis & Marble Machine Co., Worcester, Mass.
Daniels Machine Co., Johnson, Vt.
Eastman Machine Co. ("Eastman"), 779 Washington, Buffalo, N. Y.
McCreary Edward, Cohoes, N. Y.

15111—Cylinders (Knitting Machine)
Austin Machine Works (Hardened Forged Steel), 1821 N 5th, Phila., Pa.
Brinton H. Co., 213 Race, Phila., Pa.
Stafford & Holt, Little Falls, N. Y.

15112— Cylinders (Slasher)
Cohoes Iron Foundry & Machine Co. ("Cohoes" Slashers), Cohoes, N. Y.
Mullin D. W. & Co., Lowell, Mass.
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.

15113—Cylinders & Dials (Knitting Machine)
Austin Machine Works (Up to 24 inches in Diameter), 1821 N 5th, Phila., Pa.
Fidelity Machine & Mfg. Co., 3036 Frederick, Philadelphia, Pa.
Pearce Geo. B. & Co., 2316 N 8th, Phila., Pa.

15114— Dampening Machines
American Moistening Co., 120 Franklin, Boston, Mass.
Birch Bros., Somerville, Mass.
Curtis & Marble Mach. Co., 72 Cambridge, Worcester, Mass.
Textile Finishing Machy. Co., 171 Westminster, Providence, R. I.

15115— Decating Machines
PARKS & WOOLSON MACHINE CO., Springfield, Vt.
See adv index at end of book

15115a— Dobby Chains
Rice-Dobby Chain Co., Millbury, Mass.

15116-7— Dobbies
Atwood Machine Co., Stonington, Conn.
Crompton & Knowles Loom Works, 93 Grand Park, Worcester, Mass.
Eastwood Benj. Co. (Silk), Paterson, N. J.
Halton's Thos. Sons, Allegheny av & C, Phila., Pa.
Kilburn Lincoln Machine Co., Fall River, Mass.
Mason Machine Works, Taunton, Mass.
Stafford Co., Readville, Mass.
Voelker Geo. W. & Co., Woonsocket, R. I.

15118— Doffing Boxes
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
See adv index at end of book
Standard Fibre Co., Miller st., Somerville, Mass.

15119— Doublers
Atwood Machine Co. (Worsted & Cotton Yarn), Stonington, Conn.
Collins Bros. (Patent Trap Drum), Pawtucket, R. I.
Curtis & Marble Machine Co. (Cloth), Worcester, Mass.
Eastwood Benj. Co. (Silk), Paterson, N. J.
Hall F. A. & P., Lawrence, Mass.
PARKS & WOOLSON MACHINE CO., Springfield, Vt.
See adv index at end of book
Textile Finishing Machy. Co., 171 Westminster, Providence, R. I.
Textile Machine Works, Reading, Pa.

15120-1—Drawing (Frame Pins)
Crabb Wm. & Co., Newark, N. J.

15122— Dressers (Thread)
Atwood Machine Co., Stonington, Conn.
Combustion Utilities Corp., 8-10 Bridge, New York
Luther C. A. & Co., Pawtucket, R. I.

15123— Dressers (Warp)
Proctor & Schwartz, Inc. ("Smith-Furbush"), 7th & Tabor rd, Phila., Pa.
Textile Finishing Machy. Co., 171 Westminster, Providence, R. I.

15124— Dressers (Yarn)
Franklin Machine Co., Providence, R. I.
See adv index at end of book
Luther C. A. & Co., Pawtucket, R. I.

15125— Drop Wires
Blackstone Reed & Harness Co., 41 Bayley, Pawtucket, R. I.
Brooks M. S. & Sons, Chester, Conn.
Hopedale Mfg. Co., Milford, Mass.
National Ring Traveler Co., 257 W Exchange, Providence, R. I.

15126—Drums (Tapestry Printing)
Crompton & Knowles Loom Works, 93 Grand Park, Worcester, Mass.

15127—Dry Poles (Enameled) for Silk Dyers
American Enamel Co., Providence, R. I.

15127a— *Dryers (Board)
PROCTOR & SCHWARTZ INC., 7th & Tabor rd, Philadelphia, Pa.

15128— Dryers (Carpet)
Butterworth H. W. & Sons Co., 2415 E York, Phila., Pa.
Curtis & Marble Machine Co., Worcester, Mass.
PROCTOR & SCHWARTZ INC. ("Proctor"), 7th & Tabor rd, Philadelphia, Pa.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.

15129— Dryers (Cloth)
Am. Blower Co., 6004 Russell, Detroit, Mich.
Barney Ventilating Fan Works (A. B. Franklin, Prop.), 25 Haverhill, Boston, Mass.
Butterworth H. W. & Sons Co., 2415 E York, Phila., Pa.
Curtis & Marble Machine Co., Worcester, Mass.
Green Fuel Economizer Co., Beacon, N. Y.
Heathcote Jno. & Son, 212 Eddy, Providence, R. I.
Phila. Drying Machy. Co. ("Hurricane"), 3351 Stokley, Phila, Pa.
PROCTOR & SCHWARTZ, INC. ("Proctor"), 7th & Tabor rd, Phila., Pa.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Textile Finishing Machy. Co., 171 Westminster, Providence, R. I.
Utica Novelty & Mill Specialty Co. ("Johnston" Vertical), Utica, N. Y.

15130— Dryers (Cotton)
Phila. Drying Machy. Co. ("Hurricane"), 3351 Stokley, Phila, Pa.
PROCTOR & SCHWARTZ, INC. ("Proctor"), 7th & Tabor rd, Phila., Pa.
Saco-Lowell Shops, 77 Franklin, Boston, Mass.
Salem Iron Works, Winston Salem, N. C.
Sargent's C. G. Sons Corp., Graniteville, Mass.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Textile Finishing Machy. Co., 171 Westminster, Providence, R. I.

15131— Dryers (Hair)
Philadelphia Drying Machinery Co. ("Hurricane"), 3351 Stokley, Phila., Pa.
PROCTOR & SCHWARTZ INC. ("Proctor" Fireproofing, for Tanners), 7th & Tabor rd, Philadelphia, Pa.
Sargent's C. G. Sons Corp., Graniteville, Mass.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.

15132— Dryers (Hot Air Apron)
Combustion Utilities Corp., 8-10 Bridge, New York
PROCTOR & SCHWARTZ INC., 7th & Tabor rd, Phila., Pa.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.

15132a— Dryers (Silk)
Proctor & Schwartz Inc. ("Proctor"), 7th & Tabor rd, Phila., Pa.
Sturtevant B. F. Co. ("Sturtevant"), 15H Damen, Hyde Park, Mass.

15133— Dryers (Underwear)
Barney Ventilating Fan Works (A. B. Franklin, Prop.), 25 Haverhill, Boston, Mass.
Combustion Utilities Corp., 8-10 Bridge, New York
Firsching John A. (Adjustable, Vertical, also Horizontal), Utica, N. Y.
Green Fuel Economizer Co., Beacon, N. Y.
Phila. Drying Machy. Co. ("Hurricane"), 3351 Stokley, Phila., Pa.
Proctor & Schwartz Inc. ("Proctor"), 7th & Tabor rd, Phila., Pa.
Salem Iron Works, Winston Salem, N. C.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Utica Novelty & Mill Specialty Co. (Knit Goods in the Roll, Utica, N. Y.

15134-5— Dryers (Warp)
Butterworth H. W. & Sons Co., 2415 E York, Phila, Pa.
Phila. Drying Machinery Co. ("Hurricane"), 3351 Stokley, Phila., Pa.
PROCTOR & SCHWARTZ INC., 7th & Tabor rd, Phila., Pa.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Textile Finishing Machy. Co., 171 Westminster, Providence, R. I.

15136— Dryers (Wool)
American Blower Co., 6004 Russell, Detroit, Mich.
Barney Ventilating Fan Works (A. B. Franklin, Prop.), 25 Haverhill, Boston, Mass.
Green Fuel Economizer Co., Beacon, N. Y.
Heathcote John & Son, 212 Eddy, Providence, R. I.
Hunter James Machine Co. ("Stone"), N Adams, Mass.
Phila. Drying Machinery Co. ("Hurricane"), 3351H Stokley, Phila., Pa.
PROCTOR & SCHWARTZ INC. ("Proctor"), 7th & Tabor rd, Philadelphia, Pa.
Riley C. E. Co., 161 Devonshire, Boston, Mass.
Sargent's C. G. Sons Corp., Graniteville, Mass.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.

15137— Dryers (Yarn)
American Blower Co., 6004 Russell, Detroit, Mich.
Barney Ventilating Fan Works (A. B. Franklin, Prop.), 25 Haverhill, Boston, Mass.
Butterworth H. W. & Sons Co., 2415 E York, Phila., Pa.
Chandler Oil Cloth & Buckram Co., Dept. H, East Taunton, Mass.
Green Fuel Economizer Co., Beacon, N. Y.
Lorimer Machinery Co., Ontario & Lawrence, Phila., Pa.
Philadelphia Drying Machinery Co. ("Hurricane"), 3351 Stokley, Phila., Pa.
PROCTOR & SCHWARTZ INC. ("Proctor"), 7th & Tabor rd, Philadelphia, Pa.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.

15138 — Drying Machines (Copper Cylinder)
Butterworth, H. W. & Sons Co., 2415 E. York, Philadelphia, Pa.
Phila. Coppersmithing Co., 222 N. Front, Phila., Pa.

15139-40—Drying Machines (Print Works)
Butterworth H. W. & Sons Co., 2415 E York, Phila., Pa.
Textile Finishing Machy. Co., 171 Westminster, Providence, R. I.

15141— Dusters (Rag)
Gerry Geo. & Son, Athol, Mass.
Jolly J. & W. Inc., Holyoke, Mass.
Proctor & Schwartz, Inc. ("Smith-Furbush"), 7th & Tabor rd, Phila., Pa.
Sargent's C. G. Sons Corp., Graniteville, Mass.

15141a— Dusters (Warp)
Proctor & Schwartz, Inc. ("Smith," "Furbush"), 7th & Tabor rd, Phila., Pa.

15142—Dusters (Wool & Waste)
Curtis & Marble Machine Co., Worcester, Mass.
Gerry Geo. & Son, Athol, Mass.
Hunter Jas. Machine Co., North Adams, Mass.
Leigh & Butler, 232 Summer, Boston, Mass.
Lombard Machine Co., Worcester, Mass.
Proctor & Schwartz, Inc. ("Smith-Furbush"), 7th & Tabor rd, Phila., Pa.
Sargent's C. G. Sons Corp., Graniteville, Mass.

15143— Dye Becks
Woonsocket Mach. & Press Co., Woonsocket, R. I.

Dye Kettles
See Copper Work, Dryers

15144— Dye Tubs
EAGLE TANK CO., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Hunt Rodney Machine Co., Orange, Mass.
Johnson & Hibbard, Westfield, Mass.
New England Tank & Tower Co., 42 Main, Everett, Mass.
Smith Benj. F. Co., Pawtucket, R. I.
Smith Drum & Co., Allegheny av & 5th, Phila., Pa.
STEARNS A. T. LUMBER CO., 100 Taylor, Boston, Mass.
See adv index at end of book
Terhune J. I. ("Fletcher's"), 164 Ward, Paterson, N. J.
Tolhurst Machine Works, Troy, N. Y.
Woolford G. Wood Tank Mfg. Co., 72d & Woodland, Phila., Pa.
See adv index at end of book

15145— Dyeing Machinery
Adams Laundry Machinery Co., Troy, N. Y.
*American Laundry Machinery Co., Cincinnati, O.
Arlington Machine Works, Arlington Heights, Mass.
*Berks Engineering Co., Reading, Pa.
Birch Bros., Somerville, Mass.
*Brandwood John, Bury, England
*Butterworth H. W. & Sons Co., 2415 E York, Phila., Pa.
*Columbus Truck & Supply Mfg. Co., Columbus, Ga.
*Delahunty Dyeing Machine Co., Pittston, Pa.
Entwistle T. C. Co., Lowell, Mass.
Franklin Process Co. (For Cotton, Wool & Worsted Yarns), 291 Promenade, Providence, R. I.
*Giles Dyeing Machy. Co., N. Phila., Pa.
*Grand Rapids Textile Machy. Co., Grand Rapids, Mich.

(Continued on following page)

Dyeing Machinery—Continued

Haag A. U. & Co., Reading, Pa.
*Hoey Mfg. Co., Inc., Providence, R. I.
Holyoke Machine Co., Holyoke, Mass.
Hunt Rodney Machine Co., Orange, Mass.
*Hussong Dyeing & Machine Co., Groveville, N. J.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book

INCO
Monel metal
DYEING MACHINERY
1—No rust or verdigris to stain expensive fabrics.
2—Dye all colors in same machine.
3—No boiling-out — readily cleaned.
4—Outlasts all other materials.
SEE OUR INSERT AT MONEL METAL
THE INTERNATIONAL NICKEL COMPANY
67 Wall Street New York, N.Y.

*Jensen Mfg. Co., Palmyra, N. J.
*Johnson Charles B., Paterson, N. J.
*King & Gerber, Paterson, N. J.
*Klauder-Weldon Dyeing Machine Co., Yardley, Pa.
Leigh & Butler ("Mather & Platt"), 232 Summer, Boston, Mass.
*Liberty Coppersmithing Co., Philadelphia, Pa.
*Lorimer Machinery Co., Ontario, cor N Lawrence, Phila., Pa.
*Morrison Machine Co., Paterson, N. J.
Northwestern Copper & Brass Works, 59 W 3rd, St. Paul, Minn.
Phila. Coppersmithing Co., 222 N. Front, Phila., Pa.
*Philadelphia Drying Machinery Co. ("Hurricane" Hosiery), 3351 Stokley, Phila., Pa.
*Rodney Hunt Machine Co., Orange, Mass.
*Rome Machine & Foundry Co., Rome, Ga.
Salem Iron Works, Winston Salem, N. C.
*Schaefer Co. Emil, 1320 N 5th, Philadelphia, Pa.
*Sholes, Inc., 186 Lafayette, New York
*Smith Drum & Co., Allegheny av & 5th, Phila., Pa.
Terhune J. I. Machine Works, Paterson, N. J.
*Textile Finishing Machy. Co., 171 Westminster, Providence, R. I.
Tolhurst Machine Works, Troy, N. Y.
Utica Novelty & Mill Specialty Co., Utica, N. Y.
*Walker & Davis, Inc., Philadelphia, Pa.
Waters D. F., 55 Wister, Phila., Pa.
Watson Machine Co., Paterson, N. J.

15146—Dyeing Machines (Skein)

Cocker Machine & Foundry Co., Warp Gastonia,, N. C.
Phila. Drying Machinery Co. ("Hurricane" Yarn), 3351 Stokley, Phila., Pa.
Riley C. E. Co., 161 Devonshire, Boston, Mass.

15147— Elevators (Cotton)

American Blower Co., Detroit, Mich.
Brown Portable Conveying Machy. Co., 10 S La Salle, Chicago, Ill.
Chain Belt Co., Milwaukee, Wis.
See adv index at end of book
Clarage Fan Co., North & Potter, Kalamazoo, Mich.
See adv index at end of book
Continental Gin Co. (Inc.), Birmingham, Ala.
Dow Co., 201H N Buchanan, Louisville, Ky.
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W. Pershing rd, Chicago, Ill.
See adv index at end of book
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

15148— Elevators (Spool)

Schnitzler Charles H., 215 N 2d, Phila. Pa.

15149— Embroidery Machines

Ahlstrom O. J., 711 B'way, New York
Dubrow & Hearne Mfg. Co. ("Lints & Eckhart"), 12 Wooster, New York

15150—Engines (Carding, Woolen & Worsted)

Leigh & Butler ("Platt's"), 232 Summer Boston, Mass.
Proctor & Schwartz, Inc. ("Smith-Furbush"), 7th & Tabor rd, Phila., Pa.

15151—Engravers (Copper Roll)

Highland Engraving Co., 256 Sherman, Passaic, N. J.
Hope Jno. & Sons Engraving & Mfg. Co., 1 Mashapaug, Providence, R. I.
Western Engraving & Embossing Co., 717 S Wells, Chicago, Ill.

15152—Engraving Machines (Print Works)

Hope John & Sons Engraving & Mfg. Co., 1 Mashapaug, Providence, R. I.

15153— Expanders (Cloth)

Birch Bros., Somerville, Mass.
PARKS & WOOLSON MACHINE CO., Springfield, Vt.
See adv index at end of book
Textile Finishing Machy. Co., 171 Westminster, Providence, R. I.

15154— Extractors (Thread)

Saco-Lowell Shops, 1 Federal, Boston, Mass.

15154a— Fabric Sizing (Glue)

HEWITT C. B. & BROS., 20 Ferry, New York. *See adv index at end of book*

15154b—Feeder Clutch Attachments

Harwood Geo. S. & Son, Exchange bldg., Boston, Mass.

15155—Feeders (Automatic Self-Weighing Scale)

Harwood Geo. S. & Son ("Bramwell"), Exchange bldg., Boston, Mass.
Proctor & Schwartz, Inc. ("Smith-Furbush"), 7th & Tabor rd, Phila., Pa.

15156— Feeds (Cloth)

Tillotson Humidifier Co. ("Whittles" Automatic, for Dryers), 78 Fountain, Providence, R. I.

15157— Feeds or Feeders

Brown Cotton Gin Co., New London, Conn.
Clark Wm. C. ("Bramwell"), Dept. H, Franklin, Mass.
Curtis & Marble Machine Co. (Picker), Worcester, Mass.
Harwood Geo. S. & Son ("Bramwell" & "Apperly"), Exchange bldg., Boston, Mass.
Hunter James Machine Co., N Adams, Mass.
Leigh & Butler, 232 Summer, Boston, Mass.
Nat'l Machy. Co., 11 Eddy, Providence, R. I
Phila. Drying Machinery Co. (Automatic Wrap Only), 3351 Stokley, Phila., Pa.
Proctor & Schwartz, Inc. ("Smith-Furbush"), 7th & Tabor rd, Phila., Pa.
Saco-Lowell Shops, 1 Federal, Boston, Mass.
Sargent's C. G. Sons Corp. (Automatic, for Cotton & Wool), Graniteville, Mass.
Schofield Wm. Co., Krams ab. Wilde, Phila., Pa.
Tait Geo., W Kearney, N. J.
Woonsocket Machine & Press Co., Woonsocket, R. I.

15158— Felt Machinery

(Names with * also manufacture Monel Metal)

Clark Wm. C. (Trimmers, etc.), Dept. H, Franklin, Mass.
*Danbury Hardware, Danbury, Conn.
Dennis John Machine Co., Lowell, Mass.
Farrel Foundry & Machine Co. (Hardeners), 30 Main, Ansonia, Conn.
See adv index at end of book
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Jacobi, Wm., Newark, N. J.
*Lee & Foley, Danbury, Conn.
*Sholes, Inc., 186 Lafayette, New York
*Turner Machinery Co., Danbury, Conn.
*Universal Copper Works, Newark, N. J.

15159—Felting Machines (Cotton)

Ivens Wm. H. Sons, P. O. Box 647, Trenton, N. J.
Proctor & Schwartz, Inc. ("Smith-Furbush"), 7th & Tabor rd, Phila., Pa.

15160—Finishing Machines (Carpet)

Curtis & Marble Machine Co., Worcester, Mass.
PARKS & WOOLSON MACHINE CO., Springfield, Vt.
See adv index at end of book
PROCTOR & SCHWARTZ INC., 7th & Tabor rd, Phila., Pa.

15161—Finishing Machines (Cloth)

(Names with * also manufacturers Monel Metal)

*American Laundry Machinery Co., Cincinnati, O.
*Berks Engineering Co., Reading, Pa.
Birch Bros., Somerville, Mass.
*Brandwood John, Bury, England.
Butterworth H. W. & Sons Co., 2415 E York, Phila., Pa.
Cavagnaro Jno. J., Harrison, N. J.
*Columbus Truck & Supply Mfg. Co., Columbus, Ga.
Curtis & Marble Machine Co., Worcester, Mass.
*Delahunty Dyeing Machine Co., Pittston, Pa.
Elliott & Hall, 54 Hermon, Worcester, Mass.
Gessner David Co., Fremont, Worcester, Mass.
*Giles Dyeing Machinery Co., North Philadelphia, Pa.
*Grand Rapids Textile Machinery Co., Grand Rapids, Mich.
*Hoey Mfg. Co.. Inc., Providence, R. I.
*Hussong Dyeing Machine Co., Groveville, N. J.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Jensen Mfg. Co., Palmyra, N. J.
*Johnson Charles B., Paterson, N. J.
*King & Gerber, Paterson, N. J.
*Klauder-Weldon Dyeing Mach. Co., The, Bethlehem, Pa.
*Liberty Coppersmithing Co., Philadelphia, Pa.
*Lorimer Machine Company, Philadelphia, Pa.
*Morrison Machine Co., Paterson, N. J.
PARKS & WOOLSON MACHINE CO., Springfield, Vt.
See adv index at end of book
*Philadelphia Drying Machine Co., Philadelphia, Pa.
PROCTOR & SCHWARTZ INC., 7th & Tabor rd, Phila., Pa.
*Rodney Hunt Machine Co., Orange, Mass.
*Rome Machine & Foundry Co., Rome, Ga.
*Schaefer Co. Emil, 1320 N 5th, Philadelphia, Pa.
*Sholes, Inc., 186 Lafayette, New York
Terhune J. I. Machine Works, Paterson, N. J.
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.
*Walker & Davis, Inc., Philadelphia, Pa.
Windle J. E., Worcester, Mass.

15162—Finishing Machines (Knit Goods)

Grosser Knitting Machine Co., 248 Broadway, New York
Merrow Machine Co. (For all Kinds of Fabrics), Hartford, Conn.
National Automatic Knitter Co., 2725 Mutter, Phila., Pa.
Proctor & Schwartz, Inc. ("Proctor"), 7th & Tabor rd, Phila., Pa.
Smith, Drum & Co., Allegheny av & 5th, Phila., Pa.
Willcox & Gibbs Sewing Machine Co., 658 B'way, New York

15163—Finishing Machines (Tape)

Textile Finishing Machy. Co., 171 Westminster, Providence, R. I.

15164—Finishing Machines (Wool & Worsted)

American Laundry Machinery Co., Cincinnati, O.
Arlington Machine Works, Arlington Heights, Mass.
Birch Bros., Somerville, Mass.
Butterworth H. W. & Sons Co., 2415 E York, Phila., Pa.
Curtis & Marble Machine Co. (Also Cotton), Worcester, Mass.
Hunt Rodney Mach. Co., Orange, Mass.
Leigh & Butler ("Mather" & "Platt"), 232 Summer, Boston, Mass.
PARKS & WOOLSON MACHINE CO., Springfield, Vt.
See adv index at end of book
Saco-Lowell Shops, 1 Federal, Boston, Mass.
Textile Finishing Machy. Co., 171 Westminster, Providence, R. I.

15165— Flax Machinery

Firth Wm. ("Mackie & Sons"), 200 Devonshire, Boston, Mass.
Leigh & Butler, 232 Summer, Boston, Mass.

Fleecing Machines

See Napping Machines

15166— Flyers

See also Frames, Cotton, Fly

Hartson L. M. Co. (Spinners), North Windham, Conn.
Lawrence Pump & Engine Co., Lawrence, Mass.
Leigh & Butler, 232 Summer, Boston, Mass.
Mayor Thos. & Son ("Bodden"), 26 Olney, Providence, R. I.
Riley C. E. Co., 161 Devonshire, Boston, Mass.
Southern Spindle & Flyer Co., Charlotte, N. C.
Thurston A. G. & Son, Fall River, Mass.
Whitin Machine Works, Whitinsville, Mass.

15167—Folding Machines (Cloth)

Birch Bros., Somerville, Mass.
Curtis & Marble Mach. Co., Worcester, Mass.
Elliott & Hall, Worcester, Mass.
Firsching Jos., Utica, N. Y.
Grand Rapids Textile Machinery Co., Grand Rapids, Mich.

Johnson C. A. & Co., 55 Pine, Providence, R. I.
McCreary Edw., Cohoes, N. Y.
PARKS & WOOLSON MACHINE CO., Springfield, Vt.
See adv index at end of book
Smith Drum & Co., Allegheny av & 5th, Phila., Pa.
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.
Windle J. E., Worcester, Mass.
Woonsocket Machine & Press Co., Woonsocket, R. I.

15168—Folding & Cutting Machines (Underwear)

Tolhurst Machine Works, Troy, N. Y.

15169—Folding & Measuring Machines

Curtis & Marble Machine Co., Worcester, Mass.
Eastwood Benj. Co., Paterson, N. J.
Elliott & Hall (Silk), Worcester, Mass.
PARKS & WOOLSON MACHINE CO., Springfield, Vt.
See adv index at end of book
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.

15170—Frames (Cotton Drawing)

Fall River Foundry & Machine Co., Fall River, Mass.
Firth Wm., 200 Devonshire, Boston, Mass.
Mason Machine Works, Taunton, Mass.
Saco-Lowell Shops, 1 Federal, Boston, Mass.
Whitin Machine Works, Whitinsville, Mass.
Woonsocket Mach. & Press Co., Woonsocket, R. I.

15171—Frames (Cotton Evener Drawing)

Saco-Lowell Shops, 1 Federal, Boston, Mass.

15172— Frames (Cotton Fly)

Fall River Fdy. & Mach. Co., Fall River, Mass.
Saco-Lowell Shops, 1 Federal, Boston, Mass.
Whitin Machine Wks., Whitinsville, Mass.
Woonsocket Mach. & Press Co., Woonsocket, R. I.

15173—Frames (Hand Lacing)

Royle John & Sons, Paterson, N. J.

15174— Frames (Harness)

Brown Bros. Co., 62 Exchange pl, Providence, R. I.
Crompton & Knowles Loom Works, 93 Grand Park, Worcester, Mass.
Hakes H. W. Mfg. Co., Millbury, Mass.
Watson L. S. Mfg. Co., Leicester, Mass.
Williams J. H. Co., Millbury, Mass.

15175— Frames (Heddle)

Gibbs Heddle Co., Leicester, Mass.
Hakes H. W. Mfg. Co., Millbury, Mass.
Steel Heddle Mfg. Co., 2110 Allegheny av, Phila., Pa.
Walker Mfg. Co., Kensington & Ontario, Phila., Pa.
Watson L. S. Mfg. Co., Leicester, Mass.
Williams J. H. Co., Millbury, Mass.

15176— Frames (Intermediate)

Saco-Lowell Shops, 1 Federal, Boston, Mass.
Woonsocket Machine & Press Co., Woonsocket, R. I.

15177— Frames (Jack)

Riley C. E. Co., 161 Devonshire, Boston, Mass.
Woonsocket Machine & Press Co., Woonsocket, R. I.

15177a— Frames (Quilting)

Buffalo Stretcher Mfg. Co. ("Buffalo"). 1422 Niagara, Buffalo, N. Y.

15178— Frames (Redrawing)

Atwood Machine Co., Stonington, Conn.
Saco-Lowell Shops, 1 Federal, Boston, Mass.

15179—Frames (Ring Spinning)

Diamond Textile Machine Works, Harrison bldg, Philadelphia, Pa.
Fales & Jenks Machine Co., Pawtucket, R. I.
Fall River Foundry & Machine Co., Fall River, Mass.
Mason Machine Works, Taunton, Mass.
Saco-Lowell Shops, 1 Federal, Boston, Mass.
Whitin Machine Works, Whitinsville, Mass.
Woonsocket Machine & Press Co., Woonsocket, R. I.

15180— Frames (Roving)

Diamond Textile Machine Works, Harrison bldg, Philadelphia, Pa.
Fall River Fdry. & Mach. Co., Fall River, Mass.
Firth Wm., 200 Devonshire, Boston, Mass.
Riley C. E. Co., 161 Devonshire, Boston, Mass.
Saco-Lowell Shops, 1 Federal, Boston, Mass.
Whitin Machine Works, Whitinsville, Mass.
Woonsocket Machine & Press Co., Woonsocket, R. I.

15181— Frames (Slubbing)

Diamond Textile Machine Works, Harrison bldg, Philadelphia, Pa.
Firth Wm., 200 Devonshire, Boston, Mass.
Saco-Lowell Shops, 1 Federal, Boston, Mass.
Woonsocket Machine & Press Co., Woonsocket, R. I.

15182— Frames (Spinning)

See also Frames, Ring Spinning; also Frames, Wool Spinning; also Mules
Diamond Textile Machine Works, 1330 N 10th, Phila., Pa.
Fall River Foundry & Machine Co., Fall River, Mass.
Flaccus C. L. Glass Co., 411 N Marshall, Philadelphia, Pa.
Jefferson Edw. (Imp.), 23H S 2nd, Phila., Pa.
Mason Machine Works, Taunton, Mass.
Riley C. E. Co., 161 Devonshire, Boston, Mass.
Saco-Lowell Shops, 1 Federal, Boston, Mass.

Frames (Twisting)

See Twisters

15183—Frames (Wool Spinning)

See also Mules
Diamond Textile Machine Works, Harrison bldg, Philadelphia, Pa.
Fall River Fdry & Mach. Co., Fall River, Mass.
Flaccus C. L. Glass Co., 411 N Marshall, Philadelphia, Pa.
Johnson & Bassett, Worcester, Mass.
Whitin Machine Works, Whitinsville, Mass.

15184— Fulling Mills

Clark Wm. C., Dept. H, Franklin, Mass.
Hunt Rodney Machine Co., Orange, Mass.
Hunter James Machine Co., N Adams, Mass.
Kenyon D. R. & Son, Raritan, N. J.
Utica Novelty & Mill Specialty Co. (Rotary), Utica, N. Y.

15185— Garnett Machines

Hunter Jas. Machine Co., N Adams, Mass.
PROCTOR & SCHWARTZ, INC. ("Smith-Furbush"), 7th & Tabor rd, Phila., Pa.
Roy B. S. & Son Co. (Grinding), 775 Southbridge, Worcester, Mass.

15186—Garnett & Card Machines (Combined)

Proctor & Schwartz, Inc. ("Smith-Furbush"), 7th & Tabor rd, Phila., Pa.

15187— Gassing Machines

Brigham Arthur A., 364 Atlantic av, Boston, Mass.

15188— Gigs (Teasel)

Curtis & Marble Machine Co., Worcester, Mass.
PARKS & WOOLSON MACHINE CO., Springfield, Vt.
See adv index at end of book

15189— Gill Screws

Hood R. H. Co., 1342 Gtn. av, Phila., Pa.

15190—Gills (Preparing & Finishing)

Bragg Jno. L., 24 Atwood, Providence, R. I.
Riley C. E. Co., 161 Devonshire, Boston, Mass.
Saco-Lowell Shops, 1 Federal, Boston, Mass.

15191— Glass Rods & Bars

Friedrich & Dimmock, Millville, N. J.
Mitchell-Bissell Co. (Rods for Looms), 351 4th av, New York
Ruth Glass Co. (Bars), Conshohocken, Pa.

15192— Guide Wires

American Supply Co., 135 Washington, Providence, R. I.
Blackstone Reed & Harness Co., 41 Bayley, Pawtucket, R. I.
Brooks M. S. & Sons, Chester, Conn.
Parker Wire Goods Co., Worcester, Mass.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Washburn Co. (Wire Goods Div.), 28 Union, Worcester, Mass.

15193—Guides (Porcelain & Enameled)

Mitchell-Bissell Co., 334 4th av, New York

15194— Guides (Thread)

Palmer I. E. Co. (Adjustable), Middletown, Conn.

15195— Hackle Pins

Crabb Wm. & Co., 3d av, Newark, N. J.

Hackles

See Combs, Circles & Fallers

15196— Harness Straps

Chicago Rawhide Mfg. Co., The, 1307 Elston av, Chicago, Ill.
See adv index at end of book
Jacobs E. H. Mfg. Co., Danielsville, Conn.
Rhoades J. E. & Sons, 12 N 3rd, Phila., Pa.

15197— Harnesses (Loom)

Allentown Reed, Harness & Mill Supply Co., Allentown, Pa.
American Loom, Harness & Reed Co., Greenville, S. C.
American Supply Co., 135 Washington, Providence, R. I.
Andrew Loom Reed Harness Works, Spartanburg, S. C.
Blackstone Reed & Harness Co., 41 Bayley, Pawtucket, R. I.
Carruthers Robt. Co., Lowell, Mass.
Crabb Wm. & Co., 3d av, Newark, N. J.
Emmons Loom Harness Co., Lawrence, Mass.
Excelsior Loom Reed Works, Pawtucket, R. I.
Gibbs Loom, Harness & Reed Co., Clinton, Mass.
Greenville Loom, Reed & Harness Co., Greenville, S. C.
Hall J. A. & Co., Paterson, N. J.
Halton's Thos. Sons, Allegheny av & C, Phila., Pa.
Harris Geo. W. Co., Lowell Mass.
Hayes Loom, Reed & Harness Co., Woonsocket, R. I.
Mitchell-Bissell Co., 334 4th av, New York
Paterson Reed & Harness Co., Paterson, N. J.
Royal Reed & Harness Co., 203 Paterson, Paterson, N. J.
Scholes John & Co., Lowell, Mass.
Street B. R. Co., 549 Washington blvd, Chicago, Ill.
Ulrich Co., Paterson, N. J.
Walder Jacob, Paterson, N. J.
Webster Loom Harness Co., Fall River, Mass.

15198— Heck Stands

Proctor & Schwartz, Inc. ("Smith-Furbush"), 7th & Tabor rd, Phila., Pa.

15199— Heddles

American Supply Co., 135 Washington, Providence, R. I.
Butcher Edwin, 9 Dix, Worcester, Mass.
Carruthers Robt. Co., Lowell, Mass.
Emmons Loom Harness Co., Lawrence, Mass.
Firth Wm. ("R. Center Fils"), 200 Devonshire, Boston, Mass.
Gibbs Heddle Co., Leicester, Mass.
Hall I. & Co., Paterson, N. J.
Howard Bros. Mfg. Co., Worcester, Mass.
Marburg Brothers Inc. ("F. & G." Imp.), 90H West, New York
Steel Heddle Mfg. Co., 2110 W Allegheny av, Phila., Pa.
Walder Jacob, Paterson, N. J.
Walker Mfg. Co., Kensington & Ontario, Phila., Pa.
Watson L. S. Mfg. Co., Leicester, Mass.
Williams J. H. Co, Millbury, Mass

15200— Heddles (Braided)

Emmons Loom Harness Co. ("Thibaud's"), Lawrence, Mass.
Hall I. A. & Co., Paterson, N. J.

15201— Heddles (Jacquard)

American Supply Co., 135 Washington, Providence, R. I.

15202— Heddles (Steel)

Steel Heddle Mfg. Co., 2110 W Allegheny av, Phila., Pa.
Williams J. H. Co., Millbury, Mass.

15203— Heddles (Wire)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
Chase F. A. & Co., 253 W Exchange, Providence, R. I.
Gibbs Heddle Co., Leicester, Mass.
Hakes H. W. Mfg. Co., Millbury, Mass.
Howard Bros. Mfg. Co. (Also Twin Wire German Heddles), Worcester, Mass.
Marburg Bros., 90 West, New York
Watson L. S. Mfg. Co. (German Tinned & Domestic Bronze), Leicester, Mass.
Williams J. H. Co., Millbury, Mass.

15204— Hoods (Slasher)

Piper J. A. Roofing Co., Greenville, S. C.

15205— Hooks (Loom)

Edmands Arthur B. Co., 180 Main, Pawtucket, R. I.

15206— Hooks (Reed)

Ferrary Bros. Co., Paterson, N. J.
Parkinson Edw. Mfg. Co., 84 Sprague, Providence, R. I.

15207—Hosiery Bands & Labels

Acme Print Co., Reading, Pa.
Albright & Shenton, Reading, Pa.
Johnson Thos. (Est. of) Lawrence & Clearfield, Phila., Pa.
Novelty Printing Co. (Inc.), 7th & Watkins, Phila., Pa.
Reis G. & Bro., 900 B'way, New York

15207a—*Hosiery Boarding Machines (Automatic)

Proctor & Schwartz, Inc., 7th & Tabor rd, Phila., Pa.

15208— Hosiery Boards

Bogert & Hopper Inc., 57 Barcley, New York *See adv index at end of book*
Clark Geo. H. & Co., Meredith, N. H.
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
HEWITT C. B. & BROS., 20 Ferry, New York *See adv index at end of book*
Pearson Jos. T. & Sons Co., 1815 E Boston av, Phila., Pa.
Phila. Drying Machinery Co., 3351H Stokley, Phila., Pa.
Wisconsin Textile Mfg. Co., Two Rivers, Wis.

Hosiery Machines
See Knitting Machines, Hosiery

15209—Hosiery Striping Attachment

Stafford & Holt (Automatic), Little Falls, N. Y.

15210— Hydro-Extractor Guards

Utica Novelty & Mill Specialty Co., Utica, N. Y.

15211— Hydro-Extractors

Adams Laundry Machinery Co. (For Clothes Wringing), Troy, N. Y.
American Laundry Machy. Co. ("Hagen," "Humatic"), Norwood, Cincinnati, O.
American Tool & Machine Co., ("Weston," for Raw Stock, Finished Goods, Underwear & Hosiery), 10 High, Boston, Mass.
Columbia Mfg. Co. (Clothes Wringing), Columbia, Pa.
Curtis & Marble Machine Co. (Horizontal), Worcester, Mass.
Empire Laundry Machinery Co., 352 Western av, Boston, Mass.
Fletcher Works, Glenwood av & 2d, Phila., Pa.
Phila. Drying Machinery Co., 3351 Stokley, Phila., Pa.
Salem Iron Works, Winston Salem, N. C.
Tolhurst Machine Works, Troy, N. Y.
Troy Laundry Machinery Co. (Ltd.), 33d & La Salle, Chicago, Ill.

15212— Indigo Mills

Humphrey Machine Co., Keene, N. H.
Lord, Bowler & Co., Cleveland, O.
Saco-Lowell Shops (Grinders), 1 Federal, Boston, Mass.
Textile Finishing Machy. Co., 171 Westminster, Providence, R. I.
Townsend Foundry & Mach. Shop Co., Broadway & Rensselaer, Albany, N. Y. *See adv index at end of book*

15213— Jack Hooks

Brooks M. S. & Sons, Chester, Conn.

15214— Jacks (Needle)

Cooper Chas. (Est. of), Bennington, Vt.

15215— Jiggers

Butterworth H. W. & Sons Co., 2415 E York, Phila., Pa.
Mackenzie Duncan Sons Co., Trenton, N. J.
Terhune J. I. Machine Works, 164 Ward, Paterson, N. J.
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.
Watson Machine Co., Paterson, N. J.

15216— Jute Cordage Machinery

See also Spinning Machinery, Jute

Haskell-Dawes Machine Co., 176 Federal, Boston, Mass.

15217— Kiers

Arlington Machine Works, Arlington Heights, Mass.
Birch Bros., Somerville, Mass.
Chattanooga Boiler & Tank Co., Chattanooga, Tenn.
Dillon D. M. Steam Boiler Works, Fitchburg, Mass.
Jefferson E. D. & Son, 189 High, Boston, Mass.
Leslie Elliott & Co., Paterson, N. J.
McCabe E. & Co., Lawrence, Mass.
New England Tank & Tower Co., 42 Main, Everett, Mass.
Roberts Iron Works, Cambridge, Mass.
Scannell Boiler Works, Lowell, Mass.
Smith Drum & Co., Alleghany av & 5th, Phila., Pa.
Smith Samuel & Son Co., Paterson, N. J.
Stafford Wright & Son, Lawrence, Mass.
Textile Finishing Machinery Co. (Boiling), 171 Westminster, Providence, R. I.
Utica Novelty & Mill Specialty Co. (Boiling Off), Utica, N. Y.
Wholey Boiler Works, 98 Whipple, Providence, R. I.

15218—Knit Fabric Slitters & Rewinders

Langston Samuel M. Co., Camden, N. J.

15219—Knitting Machine Attachments

Cooper Chas. (Est. of), Bennington, Vt.
Sweet & Doyle, Cohoes, N. Y.

American Directory of the Knitting Trade

gives complete information on every Knitting Mill in the United States and Canada with classified lists of Manufacturers, Selling Agents, Jobbers, Retailers, etc. Price, $2.00.

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15220— Knitting Machinery

Acme Knitting Machine & Needle Co. ("Hemphill" "Acme"), Franklin, N. H.
Acme Pattern & Machine Co., 1553 Niagara, Buffalo, N. Y.
Ainslie Knitting Machine Co. ("C. & F."), 740 Grand, Brooklyn, N. Y.
Ardrey S. B. & Sons, Bristol, Pa.
Brinton H. & Co. ("Seamless & Ribbed"), Kensington & M, Phila., Pa.
Burson Knitting Co., Rockford, Ill.
Campbell & Clute Machine Co., Cohoes, N. Y.
Corey Wm. Co. (Latch Needles), Manchester, N. H.
Crane Mfg. Co., Lakeport, N. H.
Dubied Machy. Co. (Imp.), 139H Franklin, New York
Eppler's Jno. Mach. Wks. (For Upholstery, Dress & Millinery Trimmings), Buttonwood & N Amer., Phila., Pa.
Fidelity Mach. & Mfg. Co. (Circular Ribbed), 3936 Frederick, Phila., Pa.
Gearhart Knitting Machine Co., Clearfield, Pa.
General Machine Works, York, Pa.
Grosser Knitting Machine Co., 246 W B'way, New York
Hemphill Mfg. Co. ("Banner"), Central Falls, R. I. Works: Pawtucket, R. I.
Hepworth Jno. W. & Co., Lehigh av & Mascher, Phila., Pa.
Jenckes Knitting Machine Co. ("Invincible" Full Automatic Hosiery), Pawtucket, R. I.
Johnson Knitting Machine Co., St. Johnsville, N. Y.
Kilbourne Mfg. Corpn., New Brunswick, N. J.
Lamb Knitting Machine Co., Chicopee Falls, Mass.
Leighton Machine Co., Manchester, N. H.
Lindley Geo. W., 5122 Wakefield, Gtn., Phila., Pa.
Merrow Machine Co. ("Merrow"), Hartford, Conn.
Newton Edwin A., 19th & Hamilton, Philadelphia, Pa.
Redin, Ekstrom & Co., Rockford, Ill.
Scott & Williams (Hosiery & Underwear), 366 B'way, New York
Spindler & Co. (Imp.), 139H Franklin, New York
Stafford & Holt, Little Falls, N. Y.
Steber Machine Co., Utica, N. Y.
Textile Machine Works (Inc.) (Full-Fashioned), Reading, Pa.
Tompkins Bros. Co., Troy, N. Y.
Trump Bros. Machine Co. (Hosiery & Underwear), Beech & Anchorage, Wilmington, Del.
Walther Otto, Bourse bldg., Phila., Pa.
Wildman Mfg. Co., Norristown, Pa.

15221—Knitting Machines (Circular)

Fidelity Mach. & Mfg. Co., 3936 Frederick, Philadelphia, Pa.
Leighton Machine Co., Manchester, N. H.
National Automatic Knitter Co., 2725 Mutter, Phila., Pa.
Stafford & Holt (Automatic), Little Falls, N. Y.

15222—Knitting Machines (Hosiery)

Acme Knitting Machine & Needle Co. ("Acme" Seamless), Franklin, N. H.
Brinton H. & Co. (Ribbed & Seamless), Kensington & M, Phila., Pa.
Excelsior Knitting Machine Mfg. Co., 747 Meadow, Allentown, Pa.
Hemphill Co., Pawtucket, R. I.
Hirsch Louis, 220 5th av, New York
Lamb Knitting Machine Co., Chicopee Falls, Mass.
National Automatic Knitter Co., 2725 Mutter, Phila., Pa.
Nydegger Max ("Grosser" Full Fashioned Seamless), 248 W Broadway, New York
Scott & Williams, 336 B'way, New York
Spindler E. O. (Imp.), 139H Franklin, New York
Tompkins Bros. Co., Syracuse, N. Y.
Trump Bros. Machine Co., Beech & Anchorage, Wilmington, Del.

15223—Knitting Machines (Rib)

Brinton H. & Co. (For Hosiery & Underwear), Kensington & M, Phila., Pa.
Cooper Chas. (Est. of) (Automatic Spring Needle), Bennington, Vt.
Fidelity Mach. & Mfg. Co., 3936 Frederick, Philadelphia, Pa.
General Machine Works, York, Pa.
Hirsch Louis, 220 5th av, New York
Huse Warren D. & Sons, Laconia, N. H.
Leighton Machine Co., Manchester, N. H.
National Automatic Knitter Co., 2725 Mutter, Phila., Pa.
Snyder Homer P. Mfg. Co., Little Falls, N. Y.
Stafford & Holt (Automatic Circular), Little Falls, N. Y.
Wildman Mfg. Co. (Circular), Norristown, Pa.

15224-5—Knitting Machines (Seamless)

Acme Knitting Machine & Needle Co. ("Acme," "Hemphill"), Franklin, N. H.
Brinton H. & Co., (For Hosiery & Underwear), Kensington & M, Phila., Pa.
National Automatic Knitter Co. (Also Lace Effects), 2725 Mutter, Phila., Pa.
Scott & Williams (Automatic Hosiery), 366 B'way, New York
Trump Bros. Machine Co., Beech & Anchorage, Wilmington, Del.

15226— Lace Machines

Chauvet & Coulter Co., 245 7th av, New York
Lever Oswald Co., 11th & Cambria, Philadelphia, Pa.
Lindley Geo. W., 5122 Wakefield, Gtn., Phila., Pa.
Spindler E. O. (Imp.), 139H Franklin, New York
Textile Finishing Machinery Co. (Bleaching & Finishing), 171 Westminster, Providence, R. I.

15227—Lacers (Automatic Lock & Loop Stitch)

Royle John & Sons, Paterson, N. J.

15228— Lease Rods

American Enamel Co. (Enameled), Neville, Providence, R. I.
Ansonia Novelty Co. ("Anco" Aluminum, Steel, Brass, Gold & Silver), 235H Main, Ansonia, Conn.

15229— Lifting Rod Cleaners

Draper Corp. ("Shaw & Flinn's"), Hopedale, Mass.

15230—Liquid Bleach Apparatus

Electro Chemical Co., Dayton, O.

15231— Loom Attachments

Brown Bros. Co., 62 Exchange pl, Providence, R. I.
Crompton & Knowles Loom Works, 93 Grand Park, Worcester, Mass.
Eastwood Benjamin Co., Paterson, N. J.
Lahue M. M. & Co., Lowell, Mass.
Stafford Co., Readville, Mass.

15232— Loom Crank Shafts

Babbitt Bros., Fairhaven, Mass.
Fall River Foundry & Machine Co., Fall River, Mass.

15233— Loom Forks

Brown Bros. Co., 62 Exchange pl, Providence, R. I.
English C. R. Co., 69 Woolsey sq, Boston, Mass.
National Ring Traveler Co., 257 W Exchange, Providence, R. I.
Parkinson Edw. Mfg. Co., 84 Sprague, Providence, R. I.

15234—Loom Frictions (Cork Insert)

Cork Insert Co., 164 Federal, Boston, Mass.

15235— *Loom Knives

COES LORING & CO. (INC.) ("Micro-Ground"), Coes sq, Worcester, Mass. *See adv index at end of book*

15236— Loom Lingoes

Allentown Reed Harness & Mill Supply Co, Allentown, Pa.
Hall I. A. & Co., Paterson, N. J.
Walder Jacob, Paterson, N. J.

15237— Loom Strapping

American Supply Co., 135 Washington, Providence, R. I.
Barlow John W. Co., Lawrence, Mass.
Brown Bros. Co., 62 Exchange pl, Providence, R. I.
Chicago Rawhide Mfg. Co., The, 1307 Elston av, Chicago, Ill. *See adv index at end of book*
Graton & Knight Mfg. Co. (The) (Rawhide), 244 Franklin, Worcester, Mass. *See adv index at end of book*
Groezinger's G. Sons ("Helvetia"), Lancaster, Pa.
Hall I. A. & Co. (Estate of), Paterson, N. J.
Jacobs E. H. Mfg. Co., Danielson, Conn.
Milliken L. W. & Son, Franklin, Mass.
National Leather Mfg. Co., Niles, Mich.
Page Belting Co., Concord, N. H.

Van Riper Mfg. Co., Paterson, N. J.
Weatherhead, Thompson & Co., Pawtucket, R. I.
Whiting Henry F., Lowell, Mass.

15238— Loom Temples

Crompton & Knowles Loom Works, 93 Grand Park, Worcester, Mass.
Draper Corp. ("Dutcher"), Hopedale,

15239— Looms

Alvord Clinton, 7 Summer, Worcester, Mass.
Brighton Mills, Passaic, N. J.
Crompton & Knowles Loom Works (Automatic), 93 Grand Park, Worcester, Mass.
Draper Corp. ("Northrop"), Hopedale, Mass.
Eastwood Benj. Co., Paterson, N. J.
Fletcher Works, Glenwood av & 2d, Phila., Pa.
Greenville Loom, Reid & Harness Co., Greenville, S. C.
Hopedale Mfg. Co., Milford, Mass.
Hughes & Russum (All Kinds), Oxford & Hedge, Phila., Pa.
Insinger Co., Stenton av, Phila., Pa.
Jefferson Edw. (Imp.), 23H S 2nd, Phila., Pa.
Kilburn, Lincoln Machine Co., Fall River, Mass.
Leigh & Butler, 232 Summer, Boston, Mass.
Mason Machine Wks. (Automatic), Dept. H, Taunton, Mass.
Newcomb Loom Co., 1334H, W 2d, Davenport, Ia.
Stafford Co. (Plain & Automatic), Readville, Mass.
Widmer Bros., Paterson, N. J.

15240— Looms (Axminster)

Crompton & Knowles Loom Works, 93 Grand Park, Worcester, Mass.
Worcester Loom Works (Wide), 7 Summer, Worcester, Mass.

15241— Looms (Bag)

Crompton & Knowles Loom Works, 93 Grand Park, Worcester, Mass.
Stafford Co. ("Ideal" Automatic), Readville, Mass.

15242— Looms (Broad)

Eastwood Benj. Co., Paterson, N. J.

15243— Looms (Carpet)

Brighton Mills, Passaic, N. J.
Chief Mfg. Co., Indianapolis, Ind.
Crompton & Knowles Loom Works, 93 Grand Park, Worcester, Mass.
Giant Mfg. Co., Council Bluffs, Ia.
Leigh & Butler, 232 Summer, Boston, Mass.
Reed Mfg. Co., Springfield, O.
Worcester Loom Works (Wm. Smith & Bros.), Worcester, Mass.

15244— Looms (Cassimere)

Crompton & Knowles Loom Works, 93 Grand Park, Worcester, Mass.

15245— Looms (Circular)

Royle John & Sons (Inc.) ("De Laski" for Hose Jackets), Paterson, N. J.

15246— Looms (Cotton)

Crompton & Knowles Loom Works, 93 Grand Park, Worcester, Mass.
Fall River Fdry. & Machine Co., Fall River, Mass.
Hughes & Russum, Oxford & Hedge, Phila., Pa.
Kilburn Lincoln Machine Co., Fall River, Mass.
Leigh & Butler, 232 Summer, Boston, Mass.
Mason Machine Works, Taunton, Mass.
Stafford Co., Readville, Mass.

15247—Looms (Cotton Blanket)

Crompton & Knowles Loom Works, 93 Grand Park, Worcester, Mass.

15248— Looms (Cotton Duck)

Poole Engng. & Mach. Co., Woodberry sta, Baltimore, Md.
Stafford Co. (Automatic), Readville, Mass.

15249— Looms (Curtain)

Crompton & Knowles Loom Works, 93 Grand Park, Worcester, Mass.

15250— Looms (Dress Goods)

Crompton & Knowles Loom Works, 93 Grand Park, Worcester, Mass.

15251— Looms (Embroidery)

Walther Otto (Mfrs.' Agent), Bourse, Phila., Pa.

15252— Looms (Fancy)

Crompton & Knowles Loom Works, 93 Grand Park, Worcester, Mass.
Hughes & Russum, Oxford & Hodge, Phila., Pa.
Kilburn Lincoln Machine Co., Fall River, Mass.
Stafford Co., Readville, Mass.

15253— Looms (Felting)

Crompton & Knowles Loom Works, 93 Grand Park, Worcester, Mass.

15254— Looms (Fire Hose)

Kilburn Lincoln Machine Co., Fall River, Mass.
Royle John & Sons (Inc.) ("De Laske"), Paterson, N. J.

15255— Looms (Gingham)

Crompton & Knowles Loom Works, 93 Grand Park, Worcester, Mass.

15256— Looms (Goring)

Crompton & Knowles Loom Works, 93 Grand Park, Worcester, Mass.

15256a— Looms (Hand)

HAMMET J. L. CO., Kendall sq, Cambridge, Mass.

15257— Looms (Jacquard)

Crompton & Knowles Loom Works, 93 Grand Park, Worcester, Mass.
Eastwood Benj. Co., Paterson, N. J.
Fletcher Works, Glenwood av & 2d, Phila., Pa.
Halton's Thos. Sons, Allegheny av & C, Phila., Pa.
Kilburn Lincoln Machine Co., Fall River, Mass.

15258— Looms (Jean)

Crompton & Knowles Loom Works, 93 Grand Park, Worcester, Mass.

15259— Looms (Jute Carpet)

Crompton & Knowles Loom Works, 93 Grand Park, Worcester, Mass.

15260— Looms (Plush)

Crompton & Knowles Loom Works, 93 Grand Park, Worcester, Mass.

15261—Looms (Rag Carpet & Rug)

Newcomb Loom Co., Davenport, Ia.

15262— Looms (Ribbon)

Crompton & Knowles Loom Works, 93 Grand Park, Worcester, Mass.
Fletcher Works, Glenwood av & 2d, Phila., Pa.
Widmer Bros., Paterson, N. J.

15263— Looms (Rug)

Chief Mfg. Co., Indianapolis, Ind.
Crompton & Knowles Loom Works, 93 Grand Park, Worcester, Mass.
Giant Mfg. Co., Council Bluffs, Ia.
Reed Mfg. Co., Springfield, O.

15264— Looms (Silk)

Crompton & Knowles Loom Works, 93 Grand Park, Worcester, Mass.
Eastwood Benj. Co., Paterson, N. J.
Hughes & Russum, Oxford & Hodge, Phila., Pa.
Kilburn Lincoln Machine Co., Fall River, Mass.
Mason Machine Works, Taunton, Mass.
Stafford Co., Readville, Mass.

15265— Looms (Suspender)

Crompton & Knowles Loom Works, 93 Grand Park, Worcester, Mass.
Fletcher Works, Glenwood av & 2d, Phila., Pa.

15265a— Looms (Tire Fabric)

Crompton & Knowles Loom Works, 93 Grand Park, Worcester, Mass.

15266— Looms (Upholstery)

Crompton & Knowles Loom Works, 93 Grand Park, Worcester, Mass.

15267— Looms (Velvet)

Crompton & Knowles Loom Works, 93 Grand Park, Worcester, Mass.

15268— Looms (Webbing)

Crompton & Knowles Loom Works, 93 Grand Park, Worcester, Mass.
Fletcher Works (Elastic), Glenwood av & 2d, Phila., Pa.
Kilburn Lincoln Machine Co., Fall River, Mass.

15269— Looms (Woolen)

Crompton & Knowles Loom Works, 93 Grand Park, Worcester, Mass.
Hughes & Russum, Oxford & Hedge, Phila., Pa.
Leigh & Butler, 232 Summer, Boston, Mass.
Union Engineering Co., Cuyahoga & W 4th, Cleveland, Ohio

15270— Looms (Worsted)

Crompton & Knowles Loom Works, 93 Grand Park, Worcester, Mass.
Hughes & Russum, Oxford & Hedge, Phila., Pa.
Leigh & Butler, 232 Summer, Boston, Mass.
Stafford Co., Readville, Mass.

15271— Loopers

Arguto Oilless Bearing Co. ("Raolwind-Arguto"), 149 Berkley, Wayne Junct., Phila., Pa.
Beattie Mfg. Co., Cohoes, N. Y.
Campbell & Clute Machine Co., Cohoes, N. Y.
Grosser Knitting Mach. Co., 248 W B'way, New York
Hepworth Jno. W. & Co., Lehigh & Mascher, Phila., Pa.
Leighton Machine Co., Manchester, N. H.
Southern Textile Machinery Co., Paducah, Ky.

15272— Lug Straps

Bond Chas. Co., 617 Arch, Phila., Pa.
Chicago Rawhide Mfg. Co., The, 1307 Elston av, Chicago, Ill.
See adv index at end of book
Houghton E. F. & Co. ("Houghton's Patent Rockers"), 240 W Somerset, Phila., Pa.
Jacob E. H. Mfg. Co. ("Very Best," "Crescent," "Star"), Danielson, Conn.
Milliken L. W. & Son (Duck, Ticking & Leather), Franklin, Mass.
Rhoads J. E. & Sons, 12 N 3rd, Phila., Pa.
Victor-Balata & Textile Belting Co. "V. B." ("Victor-Balata"), 38 Murray, New York

15273— Lumpers

Clark Wm. C., Dept. H, Franklin, Mass.
Gerry Geo. & Son, Athol, Mass.
Proctor & Schwartz, Inc. ("Smith-Furbush"), 7th & Tabor rd, Phila., Pa.

15274— Mails (Brass & Steel)

Ulrich Co., Paterson, N. J.
Walder Jacob, Paterson, N. J.

15275— Mantle Knittings

Knit Goods Specialty Co. (All Styles), Chicopee Falls, Mass.

15275a— *Measuring Machines

PARKS & WOOLSON MACHINE CO., Springfield, Vt.
See adv index at end of book

15276— Mercerizing Machines

Birch Bros., Somerville, Mass.
Butterworth H. W. & Son Co., 2415 E York, Phila., Pa.
Klauder-Weldon Dyeing Machine Co., Yardley, Pa.
Smith Drum & Co. (Warp & Skein), Allegheny av & 5th, Phila., Pa.
Textile Finishing Machinery Co. (Cloth or Yarn), 171 Westminster, Providence, R. I.

15277— Mill Soaps

American Soap & Washoline Co., Cohoes, N. Y.
American Textile Soap Co., Springfield, Mass.
Dobbins Soap Mfg. Co., 119 S 4th, Phila., Pa.
Draper J. O. Co., Pawtucket, R. I.
Eastern Supply Co. (Palm & Olive Oil), 2 Canterbury, Worcester, Mass.
Eavenson J. & Sons ("Jesco," "Truxo," "Quaker City"), Camden, N. J.
Farrington William U. (Est. of), E Greenwich, R. I.
Fergusson Alex C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Fox Chas. J., 313 S Philip, Phila., Pa.
General Adhesive Mfg. Co., Inc. (For Textile), 469 Greenwich, New York
Harding H. C., Sedgley av & W 17th, Phila., Pa.
Hersom Thos. & Co. (Powder), New Bedford, Mass.
Holbrook Mfg. Co., 17th, Jersey City, N. J.
India Alkali Wks., 28 India Wharf, Boston, Mass.
Johnson B. J. Soap Co., 42 4th, Milwaukee, Wis.
Kenney F. Mfg. Co., 368 Dorchester av, Boston, Mass.
O. K. Soap Co., 968 Franklin, Phila., Pa.
Phila. Textile Chem. Wks., Arrott & Reading RR., Frankford, Phila., Pa.
Portsmouth Cotton Oil Refining Corp. (Cotton Seed), Portsmouth, Va.
Rome Soap Mfg. Co., Rome, N. Y.
Royal Chemical Co., Phenix, R. I.
Specification Soap & Oil Co., 427 W 13th, New York
Standard Soap Co., Camden, N. J.
Warren Soap Mfg. Co., 77 Summer, Boston, Mass.
White & Bagley Co., Worcester, Mass.
Woodley Soap Mfg. Co., 33 Norfolk av, Rox, Boston, Mass.

Mill Supplies (Textile)

See Mill & Factory Supplies

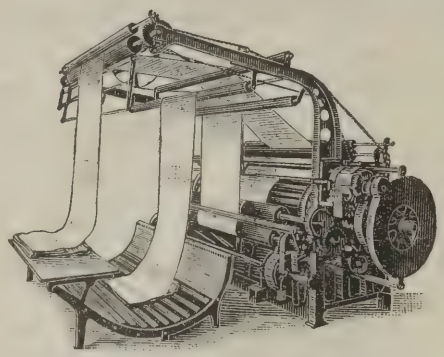
Mill Wire Goods

See Drop Wires, also Guide Wires

15278-9—Moistening Apparatus (Air)

Am. Moistening Co., 251 Causeway, Boston, Mass.
Braun-Knecht-Heimann Co. (Brown-Duvel), 576-584 Mission, San Francisco, Cal.
Carrier Engineering Corp., 750 Frelinghuysen av, Newark, N. J.
Emmons Collins Mach. Co., Western Springs, Ill.
Garland Mfg. Co., Saco, Me.
Green Fuel Economizer Co., Beacon, N. Y.
Normalair Co., Winston-Salem, N. C.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.

CLOTH RAISING MACHINES
PLANETARY WIRE NAPPERS



Motor Driven Double Acting Wire Napper

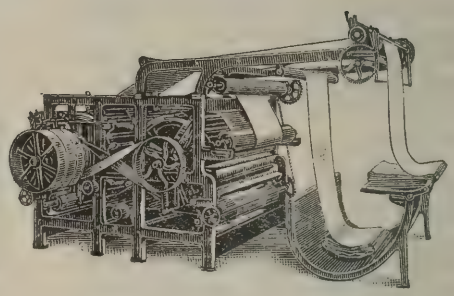
TEASEL GIGS

Wet and Dry Cloth Finishing Machinery

Shearing and Packaging Machinery

Parks & Woolson Machine Co

Springfield Vermont



Two Cylinder Gig With Six Contacts

15280— Motions (Doffer Comb)

Barker Jas., 6th & Cayuga, Phila., Pa.

15281—Motions (Drawing Frame Stop)

Riley C. E. Co., 161 Devonshire, Boston, Mass.
Fletcher Works, Glenwood av & 2d, Phila., Pa.

15282— Motions (Evener)

Saco-Lowell Shops, 1 Federal, Boston, Mass.

15283—Motions (Knitting Machine Stop)

Crawford Mfg. Co., New Brunswick, N. J.
General Machine Works, York, Pa.
Wildman Mfg. Co., Norristown, Pa.

15284— Motions (Loom Stop)

Draper Corp. (Loom Warp Stop), Hopedale, Mass.

15285-6—Motions (Selvage)

Crompton & Knowles Loom Works, 98 Grand Park, Worcester, Mass.

15287— Motions (Spooler Stop)

Fall River Foundry & Machine Co., Fall River, Mass.
Schock Gustav & Son, 514 W 57th, New York

15288— Motions (Twister Stop)

Draper Corp. ("Smith's"), Hopedale, Mass.
PROCTOR & SCHWARTZ, INC. ("Smith-Furbush"), 7th & Tabor rd, Phila., Pa.

15289— Motions (Warp Stop)

Coldwell Gildard Co. ("C. & G."), 95 Milk, Boston, Mass.
Crompton & Knowles Loom Works, 98 Grand Park, Worcester, Mass.
Draper Corp., Hopedale, Mass.
Hopedale Mfg. Co., Milford, Mass.
Mossberg Wrench Co. ("Kip Armstrong" Electric), 25 Charles, Providence, R. I.
Stafford Co., Readville, Mass.

15290— Mule Attachments

Arguto Oilless Bearing Co. ("Arguto"), 149 Berkley, Wayne Junc., Phila., Pa.
Diamond Textile Machine Works, Harrison bldg, Philadelphia, Pa.

15291— Mules (Cotton)

Arguto Oilless Bearing Co. ("Arguto"), 149 Berkley, Wayne Junc., Phila., Pa.
Diamond Textile Machine Works, Harrison bldg, Philadelphia, Pa.
Firth Wm. (Asa Lees & Co. Ltd.), 200 Devonshire, Boston, Mass.
Leigh & Butler ("Platt's"), 232 Summer, Boston, Mass.
Riley C. E. Co. ("Threifal" Self-Acting), 161 Devonshire, Boston, Mass.

15292— Mules (Self-Acting)

Arguto Oilless Bearing Co. ("Arguto"), Wayne Junction, Phila., Pa.
Firth Wm. (Asa Lees & Co. Ltd.), 200 Devonshire, Boston, Mass.
Riley C. E. Co., 161 Devonshire, Boston, Mass.

15293— Mules (Woolen)

American Loom, Harness & Reed Co., Greenville, S. C.
Arguto Oilless Bearing Co. ("Arguto"), 149 Berkley, Wayne Junc., Phila., Pa.
Johnson & Bassett, Worcester, Mass.
Leigh & Butler ("Platt's"), 232 Summer, Boston, Mass.
Proctor & Schwartz Inc. ("Smith," "Furbush"), 7th & Tabor rd, Phila., Pa.
Riley C. E. Co. (Self-Acting), 161 Devonshire, Boston, Mass.

15294— Mules (Worsted)

Arguto Oilless Bearing Co. ("Arguto"), Wayne Junction, Phila., Pa.
Diamond Textile Machine Works, Harrison bldg, Philadelphia, Pa.
Firth Wm. (Asa Lees Co. Ltd.), 200 Devonshire, Boston, Mass.
Leigh & Butler ("Platt's"), 232 Summer, Boston, Mass.
Riley C. E. Co. (Self-Acting), 161 Devonshire, Boston, Mass.

15295— Napping Machines

Ardrey S. B. & Sons, Bristol, Pa.
Birch Bros., Somerville, Mass.
Buhlmann A. W., 200 5th av, New York
Curtis & Marble Mach. Co., Worcester, Mass.
Davis & Furber Machine Co. (Planetry), North Andover, Mass.
Gerry Geo. W. & Son, Athol, Mass.
Gessner David Co., Fremont, Worcester, Mass.
Hunter James Machine Co. (Chinchilla Napping or Kiffling), North Adams, Mass.
McCreary Edw., Cohoes, N. Y.
PARKS & WOOLSON MACHINE CO. (Planetary), Springfield, Vt.
See adv index at end of book
Ransom & Randolph Co., 518 Jefferson, Toledo, Ohio
Smith Drum & Co. (Rug), Allegheny av & 5th, Phila., Pa.
Stafford & Holt, Little Falls, N. Y.
Woonsocket Napping Machinery Co., Woonsocket, R. I.

15296— Neck Marking Machines

Firsching John A., Utica, N. Y.
Utica Novelty & Mill Specialty Co. (Electric Headed), Utica, N. Y.

15297— Needles (Comber)

Bragg John L., 24 Atwood, Providence, R. I.
Crabb Wm. & Co., 3rd av, Newark, N. J.
Pennebaker-Turley, 1108 Connecticut, Chattanooga, Tenn.



Knitting Machine Needles

As near perfect in uniformity of dimension and finish as modern machinery and fifty years of experience can make them. All gauges.

Sewing Machine Needles

For practically all styles of family and manufacturing machines. All needles patent cold swaged.

THE TORRINGTON CO.

EXCELSIOR PLANT

TORRINGTON, CONN., U. S. A.

15298—Needles (Knitting Machines)

Acme Knitting Machine & Needle Co., Franklin, N. H.
Adams G. H. Co., Hill, N. H.
Brinton H. Co., 213 Race, Phila., Pa.
Cooper Chas. (Est. of), Bennington, Vt.
Corey Wm. Co., Manchester, N. H.
Currier Needle Co., Manchester, N. H.
Ives Loyal T. Co., New Brunswick, N. J.
Laconia Needle Co., Laconia, N. H.
Lydall H. & Foulds, Manchester, Conn.
Manufacturers' Supplies Co., Juniper & Cherry, Phila., Pa.
Page Needle Co., Chicapee Falls, Mass.
Potter Fred J. (Spring Beard), New Brunswick, N. J.
TORRINGTON CO. (THE), Excelsior Plant ("Excelsior"), Torrington, Conn.
See adv index at end of book

15299— Needles (Latch)

Acme Knitting Machine & Needle Co., Franklin, N. H.
Adams Geo. H. Co., Hill, N. H.
Continental Latch Needle Co. ("Heaton"), 71 Murray, New York
Cooper Chas. (Est. of), Bennington, Vt.
Corey Wm. Co., Manchester, N. H.
Crane Mfg. Co., Lakeport, N. H.
Franklin Needle Co., Franklin, N. H.
Granite State Needle Co. ("S. & W," "Banner"), Laconia, N. H.
Laconia Needle Co., Laconia, N. H.
Lamb Knitting Machine Co., Chicopee Falls, Mass.
Page Needle Co., Chicopee Falls, Mass.
TORRINGTON CO., THE EXCELSIOR PLANT, Successor to Excelsior Needle Co. ("Excelsior"), Torrington, Conn.
See adv index at end of book

15300—Needles (Sewing Machine)

National Sewing Machine Co., Belvidere, Ill.
Singer Sewing Machine Co., 149 B'way, New York
Thornton John Jr. ("Jas. Smith & Son." "Cleopatra" Imp.), 85 Leonard, New York
Tompkins Bros. Co., Troy, N. Y.
Torrington Co., The, Excelsior Plant ("Excelsior"), Torrington, Conn.
See adv index at end of book

15301—Needles (Spring Knitting)

Breedon's Wm. Son, Amsterdam, N. Y.
Cooper Chas. (Est. of), Bennington, Vt.
Crane Mfg. Co., Lakeport, N. H.
Ives Loyal T. Co., New Brunswick, N. J.
Lydall H. & Foulds, Manchester, Conn.

15301a— Oil Rings

Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

15302—Openers & Feeders (Wool Washer)

Harwood Geo. S. & Son, Exchange bldg., Boston, Mass.

15303-4—Openers & Lappers (Cotton)

H. & B. Am. Machine Co., Pawtucket, R.I.
Leigh & Butler ("Platt"), 232 Summer, Boston, Mass.
Riley C. E. Co., 161 Devonshire, Boston,
tucket, R. I.
Potter & Johnston Machine Co., Paw-
Mass.
Proctor & Schwartz, Inc. ("Smith-Furbush"), 7th & Tabor rd, Phila., Pa.
Saco-Lowell Shops, 1 Federal, Boston, Mass.
Whitin Machine Works, Whitinsville, Mass.

Overseaming Machines

See Sewing Machines

15305— Oxidizing Machines

Phila. Drying Machinery Co. ("Hurricane" Hosiery Only), 3351 Stokley, Phila., Pa.
Smith, Drum & Co., Allegheny av & 5th, Phila., Pa.

15305a— *Packaging Machinery (Cloth)

PARKS & WOOLSON MACHINE CO., Springfield, Vt.
See adv index at end of book

15306— Padding Machines

Butterworth H. W. & Sons Co., 2415 E York, Phila., Pa.
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.
Watson Machine Co., Paterson, N. J.

15307— Piano Machines

Royle John & Sons (Jacquard Card), Paterson, N. J.

15308— Picker Leather

American Supply Co., 135 Washington, Providence, R. I.
Billington Jas. H. Co. (Imp.), 113 Chestnut, Phila., Pa.
Bond Chas. Co. (Imp.), 617 Arch, Phila., Pa.
Chicago Rawhide Mfg. Co., The, 1307 Elston av Chicago, Ill.
See adv index at end of book
Coupe Wm. Corp., 356 Franklin, Worcester, Mass.
Foulds I. & Son, Hudson, Mass.
Groezinger's G. Sons ("Helvetia"), Lancaster, Pa.
Holbrook Raw Hide Co. ("Tenax"), 748 N Main, Providence, R. I.
Houghton E. F. & Co. ("Vim"), 240 W Somerset, Phila., Pa.
Norwich Belt Mfg. Co. ("Tan-Bo" Rawhide), Norwich, Conn.
Page Belting Co., Concord, N. H.
Pechin Belting Co., Fairmount & Front, Phila., Pa.
Shultz Belting Co., Fourth & Barton, St. Louis, Mo.
Van Riper Mfg. Co., Paterson, N. J.

15309— Picker Parts

Crabb Wm. & Co., 3d av, Newark, N. J.
Dodge Chas. S., Lowell, Mass.

15310— Picker Pins

Bagshaw W. H. Co., Lowell, Mass.
Dodge C. S. (Hot Forged), Lowell, Mass.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

15311— Picker Sticks

Brusher J. B., Norristown, Pa.
Keith J. M. & Co. (Hickory), Eastford, Conn.
Loveland, L. H. Co., Rumney, N. H.
Nashua Spool & Bobbin Co. (Hickory), Haverhill National Bank bldg, Haverhill, Mass.
STILES H. A. & CO. (Wood), 166-174 Portland, Boston, Mass.
See adv index at end of book
Strock L. W. & Co., Bethlehem, Pa.
Tatem J. B. & Son, Putnam, Conn.
Torrey Bros. Co., Central Village, Conn.
Warlick & Sherrill Co., Granite Falls, N. C.

15312— Picker Teeth

Crabb Wm. & Co., 3d av, Newark, N. J.

15313— Pickers (Burr)

Brown Cotton Gin Co. ("Parkhurst"), New London, Conn.
Curtis & Marble Machine Co. ("Goddard," "Parkhurst"), Worcester, Mass.
Proctor & Schwartz, Inc. ("Smith-Furbush"), 7th & Tabor rd, Phila., Pa.
Sargent's C. G. Sons Corp., Graniteville, Mass.

15314— Pickers (Cotton)

Clark Wm. C., Dept. H, Franklin, Mass.
Curtis & Marble Mach. Co., 72 Cambridge, Worcester, Mass.
Garland Mfg. Co., Saco, Me.
H. & B. Am. Machine Co., Pawtucket, R. I.
Potter & Johnston Mach. Co., Pawtucket, R. I.
PROCTOR & SCHWARTZ, INC. ("Smith-Furbush"), 7th & Tabor rd, Phila., Pa.
Saco-Lowell Shops, 1 Federal, Boston, Mass.
Schofield Wm. C., Krams ab. Wilde, Phila., Pa.
Whitin Mach. Works, Whitinsville, Mass.

15315— Pickers (Cotton Filled)

Wilkins Mfg. Co., Woonsocket, R. I.

15316— Pickers (Hair)

Curtis & Marble Machine Co. ("Atlas"), Worcester, Mass.
Ehrsam J. B. & Sons' Mfg. Co., Enterprise, Kans.
Harrington Geo. S. Co., 77 Washington, No. Boston, Mass.
Proctor & Schwartz, Inc. ("Smith-Furbush"), 7th & Tabor rd, Phila., Pa.
Willcomb Geo. Co. ("Prize"), 60 Chardon, Boston, Mass.

15317— Pickers (Loom)

Akron Belting Co. (Leather), Akron, O.
Allentown Reed Harness & Mill Supply Co., Allentown, Pa.
American Supply Co. (Leather), 135 Washington, Providence, R. I.
Barlow John W. Co., Lawrence, Mass.
Billington Jas. H. Co., 113 Chestnut, Phila., Pa.
Brown Bros. Co., 62 Exchange pl, Providence, R. I.
Chicago Rawhide Mfg. Co., The (Leather), 1307 Elston av, Chicago, Ill.
See adv index at end of book
Crane Bros., Westfield, Mass.
Crompton & Knowles Loom Works, 93 Grand Park, Worcester, Mass.
Garland Mfg. Co., Saco, Me.
Holbrook Raw Hide Co. (Rawhide), 748 N Main, Providence, R. I.
Hudson Belting Co. (Leather), 3 Eaton pl, Worcester, Mass.
Jacobs E. H. Mfg. Co. ("Northrop," "XXCY," "Surpass WX," "B. G. D." "Daisy"), Danielson, Conn.
Kimball L. S. (Leather), Lowell, Mass.
Milliken L. W. & Son, Franklin, Mass.
Union Belt Co., Fall River, Mass.

15318— Pickers (Mixing)

Brown Cotton Gin Co., New London, Conn.
Clark Wm. C., Dept. H, Franklin, Mass.
Curtis & Marble Machine Co. ("Atlas," "Fearnaught"), 72 Cambridge, Worcester, Mass.
Proctor & Schwartz, Inc. ("Smith-Furbush"), 7th & Tabor rd, Phila., Pa.

15319—Pickers (Rag or Shoddy)

Brierly-Lombard Co., Worcester, Mass.
Clark Wm. C., Dept. H, Franklin, Mass.
Curtis & Marble Machine Co., Worcester, Mass.
Dodge C. S., Lowell, Mass.
Gerry Geo. & Son, Athol, Mass.
Lombard Machine Co., Worcester, Mass.
Proctor & Schwartz, Inc. ("Smith-Furbush"), 7th & Tabor rd, Phila., Pa.
Schofield Wm. Co., Krams ab. Wilde, Phila., Pa.

15320—Pickers & Cleaners (Stock)

Proctor & Schwartz, Inc. ("Smith-Furbush"), 7th & Tabor rd, Phila., Pa.

15321— Pins (Cast Steel)

General Phonograph Corp., 25 W. 45th, New York
Hood R. H. Co. ("English"), 1842 Germantown av, Phila., Pa.

15322—Plaiting & Fluting Machines

Ahlstrom O. J., 711 B'way, New York
Chandler Machine Co., Ayer, Mass.
Durbrow & Hearne Mfg. Co., 12 Wooster, New York
Lindner & Vradenburgh, 239 Centre, New York
Maxant Button Supply Co., 118 S Clinton, Chicago, Ill.
North Bros. Mfg. Co. ("Crown" Plaiting & Fluting), Lehigh & American, Philadelphia, Pa.

15322a—Pleating Machines (Knife & Side)

Chandler Machine Co. ("Chandler" Accordeon), Ayer, Mass.

15323— Press Papers & Boards

Case Brothers, Highland Park, Conn.
HEWITT C. B. & BROS., 20 Ferry, New York *See adv index at end of book*
Merwin Paper Co., Hartford, Conn.
Rogers Paper Mfg. Co., South Manchester, Conn.
Wolf Bros., 330 N 12th, Philadelphia, Pa.

15324— Pressers & Flyers

Baker Mach. Co., New Bedford, Mass.

15324a— Presses (Baling Cloth)

Cardwell Machine Co., 1900 E Cary, Richmond, Va.
DUNNING & BOSCHERT PRESS CO., 379 West Water, Syracuse, N. Y.
See adv index at end of book

15325— Presses (Cloth)

Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Hydraulic Press Mfg. Co., Mt. Gilead, O.
See adv index at end of book
Nashua Steam Press & Boiler Wks, Nashua, N. H.

15326-7-8—Presses (Cloth, Rotary Steam)

Curtis & Marble Machine Co., Worcester, Mass.
Voelker Geo. W. & Co., Woonsocket, R. I.
Woonsocket Mach. & Press Co., Woonsocket, R. I.

Presses (Steam)

See Presses, Cloth, Rotary Steam

15329—Pumicing Machines (Worsted)

Curtis & Marble Machine Co., Worcester, Mass.
PARKS & WOOLSON MACHINE CO., Springfield, Vt.
See adv index at end of book

15330— Quillers

Altemus Jacob K., 2624 N. Amer., Phila., Pa.
Atwood Machine Co., Stonington, Conn.
Crompton & Knowles Loom Works, 93 Grand Park, Worcester, Mass.
Eastwood Benj. Co. ("Silk"), Paterson, N. J.
Foster Machine Co., Westfield, Mass.
Lever Oswald Co. (Cross Traverse), 11th & Cambria, Philadelphia, Pa.
North Chelmsford Machine & Supply Co. (Yarn), North Chelmsford, Mass.
Payne Geo. W. & Co. (Upright), Pawtucket, R. I.
Rhode Island Braiding Machine Co., 228 Aborn, Providence, R. I.
Sipp Machine Co., Keen & Warren, Paterson, N. J.
Universal Winding Co. ("Leesona"), 95 South, Boston, Mass.
Whitin Machine Works ("Long Chain"), Whitinsville, Mass.

15331— Quills

Allentown Reed Harness & Mill Supply Co., Allentown, Pa.
Hall I. A. & Co., Paterson, N. J.
Nashua Spool & Bobbin Co. (Boxwood, Dogwood & Maple Shuttle), Haverhill National Bank bldg, Haverhill, Mass.
Shambow Shuttle Co., Woonsocket, R. I.
Ulrich Co., Paterson, N. J.
Walder Jacob, Paterson, N. J.

15332— Railway Heads

Fall River Foundry & Machine Co., Fall River, Mass.
Saco-Lowell Shops, 1 Federal, Boston, Mass.

15333— Rashel Machines

Grosser Knitting Machine Co., 248 W B'way, New York
Spindler E. O. (Imp.), 139H Franklin, New York

15334-5— Ravelers

American Raveller Co., Philmont, N. Y.

15336— Reeds

Allentown Reed, Harness & Mill Supply Co., Allentown, Pa.
American Loom, Harness & Reed Co., Greenville, S. C.
American Supply Co. (Loom), 135 Washington, Providence, R. I.
Andrews' Loom Reed Harness Works, Spartanburg, S. C.
Blackstone Reed & Harness Co., 41 Bayley, Pawtucket, R. I.
Carruthers Robt. Co., Lowell, Mass.
Charlotte Mfg. Co., Charlotte, N. C.
Crabb William & Co., 3d av, Newark, N. J.
Emmons Loom Harness Co., Lawrence, Mass.
Excelsior Loom Reed Works, Pawtucket, R. I.
Fearnley Arthur J., Fall River, Mass.
Gibbs Loom, Harness & Reed Co., Clinton, Mass.
Goss J. & E., Fall River, Mass.
Gowdey J. A. Reed & Harness Mfg. Co., 1226 N Main, Providence, R. I.
Greenville Loom Reed & Harness Co., Greenville, S. C.
Hall I. A. & Co., Estate of, Paterson, N. J.
Hayes Loom, Reed & Harness Co., Woonsocket, R. I.
Heywood Bros. & Wakefield Co., Gardner, Mass.
Larkin Reed Co., Danielson, Conn.
McGregor & Sons, Fall River, Mass.
Paterson Reed & Harness Co., Paterson, N. J.
Royal Reed & Harness Co., 203 Paterson, Paterson, N. J.
Schmidt H. E. & Co. (Loom), New Bedford, Mass.
Ulrich Co., Paterson, N. J.
Walder Jacob, Paterson, N. J.
Walker Mfg. Co., Kensington & Ontario, Philadelphia, Pa.
Whitaker Reed Co., Worcester, Mass.
Wilkins Mfg. Co., Woonsocket, R. I.
Williams J. H. Co. (Loom), Millbury, Mass.

15337— Reel Cabling Machines

New England Butt Co., 304 Pearl, Providence, R. I.

15338— Reels

Altemus Jacob K., 2624 N. Amer., Phila., Pa.
Am. Tube & Stamping Co. (Pressed-Steel), Dept. H, Bridgeport, Conn.
Draper Corp., Hopedale, Mass.
Firth Wm. ("Stubbs"), 200 Devonshire, Boston, Mass.
Hopedale Mfg. Co., Milford, Mass.
Hunt Rodney Mach. Co., Orange, Mass.
Lever Oswald Co., 11th & Cambria, Philadelphia, Pa.
Luther C. A. & Co. (Thread & Yarn), Pawtucket, R. I.
Modern Broom Machy. Co. (Twine), Dept. H, Davenport, Ia.
Nashua Spool & Bobbin Co. (All Kinds & Sizes), Haverhill National Bank bldg, Haverhill, Mass.
North Chelmsford Machine & Supply Co., North Chelmsford, Mass.
Proctor & Schwartz, Inc. ("Smith-Furbush"), 7th & Tabor rd, Phila., Pa.

(Continued on following page)

Reels—Continued

Saco-Lowell Shops, 1 Federal, Boston, Mass.
Scott Henry L. & Co. (Roving), 101 Blackstone, Providence, R. I.
Sipp Machine Co. (Power), Paterson, N. J.
Whitin Machine Works, Whitinsville, Mass.

15338a— Reels (Roving)

Scott Hy. L. & Co., 101 Blackstone, Providence, R. I.

15339—Reels (Skeining & Measuring)

Rhode Island Braiding Machine Co., 223 Aborn, Providence, R. I.

15340— Reels (Testing)

Sipp Machine Co., Paterson, N. J.

15341— Reels (Yarn)

Brown & Sharpe Mfg. Co., Providence, R. I.
Diamond Textile Machine Works, Harrison bldg, Philadelphia, Pa.
Firth Wm. (Goodbrandt & Co.), 200 Devonshire, Boston, Mass.
Lever Oswald Co., 11th & Cambria, Philadelphia, Pa.
Luther C. A. & Co., Pawtucket, R. I.
Proctor & Schwartz, Inc. ("Smith-Furbush" Metallic), 7th & Tabor rd, Phila., Pa.
Saco-Lowell Shops, 77 Franklin, Boston, Mass.
Whitin Machine Works, Whitinsville, Mass.

15342— Regulators (Evener)

Saco-Lowell Shops ("Britton"), 1 Federal, Boston, Mass.

15343—Rib Cutting & Folding Machines

Cooper Chas. (Est. of), (Automatic), Bennington, Vt.

15344— Roll Coverers

Aubertin Jos. F., New Bedford, Mass.
Barlow Jno. W. Co., Lawrence, Mass.
Bridge Jno., Chester, Pa.
Chicago Rawhide Mfg. Co., The, 1307 Elston av, Chicago, Ill.
See adv index at end of book
Cummings Geo. & Son, Fall River, Mass.
Davis & McLane Mfg. Co., Fall River, Mass.
Dickey Belting Co., Lewiston, Me.
Godfrey E. J. Co., North Adams, Mass.
Godfrey & Bolger, Adams, Mass.
Hathaway O. H. Co., Central Falls, R. I.
Holyoke Machine Co., Holyoke, Mass.
Houghton E. F. & Co. ("Vim" Leather), 240 Somerset, Phila., Pa.
Lakey C. T., Georgiaville, R. I.
McLanathan F. W. & Son, Lawrence, Mass.
Marsland James, Lawrence, Mass.
North Chelmsford Machine & Supply Co., North Chelmsford, Mass.
Pechin Belting Co., Orchard & Torsdale, Phila., Pa.
Skinner C. E. & J. F., Valley Falls, R. I.
Tripp Jno. & Co., Lowell, Mass.
Turner J. S. Mfg. Co., Lowell, Mass.
Union Belt Co., Fall River, Mass.
Wainwright R., Westpoint, Ga.
Wetherell Orrin B. & Son Fall River, Mass.

15345— Roll Coverers' Tools

American Supply Co., 135 Washington, Providence, R. I.
Dennis John Machine Co., Lowell, Mass.

15346—Roller Covering Machines

Turner J. S. Mfg. Co. ("Turner's" Worsted), Lowell, Mass.

15347— Roller Leather

Chicago Rawhide Mfg. Co., The, 1307 Elston av, Chicago, Ill.
See adv index at end of book
English C. R. Co., 69 Woolsey sq, Boston, Mass.
Foulds I. & Son, Hudson, Mass.
Houghton E. F. & Co. ("Vim"), 240 W Somerset, Phila., Pa.
North Chelmsford Machine & Supply Co., North Chelmsford, Mass.

15348— Roller Skins

American Supply Co., 135 Washington, Providence, R. I.
Firth Wm. (Kershaw & Sons), 200 Devonshire, Boston, Mass.
Spencer Wilton H. (Imported English), 11 Exchange pl, Providence, R. I.
Stone C. Moulton Co., 456 Benefit, Providence, R. I.

15349—Rollers (Copper Printing)

Taunton-New Bedford Copper Co., Taunton, Mass.
Textile Finishing Machy Co., 171 Westminster, Providence, R. I.

15350— Rolls (Card Feed)

See also Feeds

Adams J. T., Lowell, Mass.
Curtis & Marble Machine Co., Worcester, Mass.
Fall River Fdry. & Mach. Co., Fall River, Mass.
Harwood Geo. S. & Son, Exchange bldg., Boston, Mass.
Proctor & Schwartz, Inc. ("Smith-Furbush"), 7th & Tabor rd, Phila., Pa.
Textile Finishing Machy. Co., 171 Westminster, Providence, R. I.

15351— Rolls (Fluted)

Leigh & Butler, 232 Summer, Boston, Mass.
Riley C. E. Co., 161 Devonshire, Boston, Mass.
Thurston A. G. & Son, Fall River, Mass.
Whitin Machine Works, Whitinsville, Mass.

15352—Rolls (Metallic Drawing)

Metallic Drawing Roll Co., Indian Orchard, Mass.

15353— Rolls (Temple)

Draper Corp., Hopedale, Mass.
Hopedale Mfg. Co., Milford, Mass.

15354— Rotary Gills

Bagshaw W. H. Co., Lowell, Mass.

15355— Rovers & Reducers

Saco-Lowell Shops (Worsted), 1 Federal, Boston, Mass.

15356— Saddles (Lubricating)

Dixon Lubricating Saddle Co., Bristol, R. I.

15357—Saddles & Fixtures (Tension)

Arguto Oilless Bearing Co. ("Arguto" for Cotton & Woolen Spinning Frames), 149 Berkley, Wayne Junct., Phila., Pa.

15358— Sample Card Machines

American Numbering Machine Co. (Numbering), 224 Shepherd av, Brooklyn, N. Y.

15359— Sanding Machines

Curtis & Martin Machine Co. (Club), Worcester, Mass.
Kent Vacuum Cleaner Co. ("Utility") Rome, N. Y.
PARKS & WOOLSON MACHINE CO., Springfield, Vt.
See adv index at end of book
Wonder Grinder Co., 612 W 12th, Erie, Pa.

15360— Scales (Band Tension)

Draper Corp., Hopedale, Mass.

15361— Scales (Dramming)

Buffalo Scale Co., Inc., 1205 Niagara, Buffalo, N. Y.
See adv index at end of book
Sipp Machine Co., Paterson, N. J.

15362—Scales (Garment, Lever Balance)

Sweet & Doyle, Cohoes, N. Y.

15363— Scales (Yarn)

Brown & Sharpe Mfg. Co., Providence, R. I.
Fairbanks Co., 416 Broome, New York
Sipp Machine Co., Paterson, N. J.
Sweet & Doyle, Cohoes, N. Y.

15364— Scallop Machines

Merrow Machine Co., Hartford, Conn.
National Machine Knitter Co., 2725 Mutter, Philadelphia, Pa.

15365— Scarfing Machines

Luther C. A. & Co., Pawtucket, R. I.

15365a— Scouring Machines (Hair)

Proctor & Schwartz Inc., 7th & Tabor rd, Phila., Pa.

15366—Scouring Machines (Wool)

Hunter James Machine Co., North Adams, Mass.
Klauder-Weldon Dyeing Machine Co., Amsterdam, N. Y.
Riley C. E. Co., 161 Devonshire, Boston, Mass.

15367—Scouring Machines (Yarn)

Lorimer Machinery Co., Ontario & Lawrence, Phila., Pa.
Phila. Drying Machinery Co. ("Hurricane"), 3351 Stokley, Phila., Pa.
Proctor & Schwartz Inc., 7th & Tabor rd, Phila., Pa.

15368— Screens (Card)

New England Ventilating & Heating Co., 926 Manton av, Providence, R. I.

15369— Scutchers

Birch Bros., Somerville, Mass.
Leyland Thomas & Co., Readville, Boston, Mass.
Textile Fininshing Machinery Co., 171 Westminster, Providence, R. I.

15370—Separators (Spinning Frame)

Draper Corp. ("Rhoades - Chandler"), Hopedale, Mass.

15371— Separators (Yarn)

Draper Corp., Hopedale, Mass.

15372—Shearing Machines (Textile)

Curtis & Marble Machine Co., Worcester, Mass.
PARKS & WOOLSON MACHINE CO., Springfield, Vt.
See adv index at end of book

15373—Shearing & Brushing Machine (Combined)

Curtis & Marble Machine Co., Worcester, Mass.
PARKS & WOOLSON MACHINE CO., Springfield, Vt.
See adv index at end of book

15374— Shoddy Machinery

Riley C. E. Co., 161 Devonshire, Boston, Mass.
PROCTOR & SCHWARTZ INC., 7th & Tabor rd, Phila., Pa.
Saco-Lowell Shops, 1 Federal, Boston, Mass.

15375— Shuttle Blocks

Anchor Saw Mills Co., Memphis, Tenn.
Cox J. Elwood, Highpoint, N. C.
Roberts Chas. D. Co., Greensboro, N. C.
Willingham E. G., Moonhead av, Memphis, Tenn.
Wood A. C., Advance, N. C.

15376— Shuttle Eyes

Mitchell-Bissell Co., 334 4th av, New York

15377— Shuttle Guards

Crompton & Knowles Loom Works, 93 Grand Park, Worcester, Mass.
Draper Corp. ("Sullivan"), Hopedale, Mass.

15378— Shuttle Irons

Chase F. A. & Co., 253 W Exchange, Providence, R. I.
Dudley D. T. & Son Co., Wilkinsonville, Mass.
Litchfield Shuttle Co., Southbridge, Mass.
Marble E. W. & Co., Wilkinsonville, Mass.
Richardson Chas. A., West Mansfield, Mass.
Shambow Shuttle Co., Woonsocket, R. I.

15379— Shuttle Straps

Victor-Balata & Textile Belting Co. "V. B." ("Victor-Balata"), 38 Murray, New York

15380— Shuttles

Allentown Reed Harness & Mill Supply Co., Allentown, Pa.
American Shuttle Co. (Sales Agents), Exchange bldg, Boston, Mass.
American Supply Co., 135 Washington, Providence, R. I.
Billington Jas. H. Co., 113 Chestnut, Philadelphia, Pa.
Dudley D. T. & Son Co., Wilkinsonville, Mass.
Dudley S. A., Taunton, Mass.
Hakes H. W. Mfg. Co., Millbury, Mass.
Hall I. A. & Co., Paterson, N. J.
Leigh & Butler ("Wilson Bros."), 232 Summer, Boston, Mass.
Litchfield Shuttle Co., Southbridge, Mass.
Lowell Shuttle Co., Lowell, Mass.
New Bedford Shuttle Co., New Bedford, Mass.
Norris Brothers, Greenville, S. C.
Sergeson R. & Co., Palmer & Tulip, Philadelphia, Pa.
Shambow Shuttle Co., Woonsocket, R. I.
Taunton Spindle Co., Taunton, Mass.
Ulrich Co., Paterson, N. J.
Union Shuttle Co., Lawrence, Mass.
U. S. Bobbin & Shuttle Co., 57 Eddy, Providence, R. I.
Walder Jacob, Paterson, N. J.
Watson L. S. Mfg. Co., Leicester, Mass.
Williams J. H. Co., Millbury, Mass.

15381— Silk Machinery

Atwood Machine Co., Stonington, Conn.
Brigham Arthur A., 364 Atlantic av, Boston, Mass.
Butterworth H. W. & Sons Co. (Finishing) 2415 E York, Philadelphia, Pa.
Cavagnaro Jno. J. (Silk Finishers), Harrison, N. J.
Cevasco, Cavagnaro & Ambrette Inc., 156 6th, Brooklyn, N. Y.
Crompton & Knowles Loom Works (Weaving), 93 Grand Park, Worcester, Mass.
Eastwood Benj. Co., Paterson, N. J.
Hakemeyer Machine Co., Paterson, N. J.
Kilburn Lincoln Machine Co., Fall River, Mass.
Knapp C. H., Waite & Rye, Paterson, N. J.
National Mill Supply Co., Paterson, N. J.
New England Butt Co. (Silk Covering), 304 Pearl, Providence, R. I.
PARKS & WOOLSON MACHINE CO. (Packaging & Shearing), Springfield, Vt. *See adv index at end of book*
Schaum & Uhing, N American & Glenwood av, Philadelphia, Pa.
Sipp Machine Co., Paterson, N. J.
Stafford Co., Readville, Mass.
Textile Finishing Machinery Co. (Finishing), 171 Westminster, Providence, R. I.
Willimantic Machine Co., Willimantic, Conn.

15382— Singe Plates

Birch Bros., Somerville, Mass.
Butterworth H. W. & Sons Co., 2415 E York, Phila., Pa.
SURFACE COMBUSTION CO., THE, 334 Gerard av, Bronx, New York
See adv index at end of book
Taunton-New Bedford Copper Co. (Copper), Taunton, Mass.
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.

15383— Singeing Machines

Birch Bros., Somerville, Mass.
Butterworth H. W. & Sons Co., 2415 E York, Philadelphia, Pa.
Curtis & Marble Machine Co. (Gas), Worcester, Mass.
Eastwood Benj. Co. (Gas), Paterson, N. J.
Knapp C. H. & Waite & Rye, Paterson, N. J.
Leigh & Butler, 232 Summer, Boston, Mass.
New England Butt Co., 304 Pearl, Providence, R. I.
Phila. Drying Machinery Co. ("Hurricane" Hosiery Only), 3351 Stokley, Phila., Pa.
Rhode Island Braiding Machine Co., 223 Aborn, Providence, R. I.
Skevington H. & Co. (Hosiery), 1610 N Philip, Philadelphia, Pa.
Smith Drum & Co., Allegheny av & 5th, Philadelphia, Pa.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Textile Finishing Mach'y Co., 171 Westminster, Providence, R. I.
Watson Machine Co., Paterson, N. J.

15384— Sinkers (Silk)

Cooper Chas. (Est. of), Bennington, Vt.
Ives Loyal T. Co. (Hosiery), New Brunswick, N. J.

15385— Sizing Machines

American Clay Working Mach. Co., S Walnut, Bucyrus, O.
Butterworth H. W. & Sons Co., 2415 E York, Phila., Pa.
Cocker Machine & Fdry. Co., Gastonia, N. C.
Ives L. T. Co., New Brunswick, N. J.
Textile Finishing Machinery Co. (Cloth & Yarn), 171 Westminster, Providence, R. I.

15386— Skewers

Fall River Bobbin & Shuttle Co., Fall River, Mass.
Fall River Fdry. & Mach. Co., Fall River, Mass.
Greenville Spool & Mfg. Co., Greenville, S. C.
Parker Spool & Bobbin Co. (Warper & Speeder), Lewiston, Me.
Payne Geo. W. & Co. (Cop), Pawtucket, R. I.
Shambow Shuttle Co., Woonsocket, R. I.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
U. S. Bobbin & Shuttle Co., 57 Eddy, Providence, R. I.
Weld Bobbin & Spool Co., Lawrence, Mass.

15387— Slashers

Allmur Mfg. Co., Marion, Ind.
Cohoes Iron Foundry & Machine Co. ("Cohoes" Cylinder & Hot Air), Cohoes, N. Y.
Entwistle T. C. Co., Lowell, Mass.
Fearnley Arthur J., Fall River, Mass.
Leigh & Butler, 232 Summer, Boston, Mass.
Riley C. E. Co., 161 Devonshire, Boston, Mass.
Saco-Lowell Shops, 1 Federal, Boston, Mass.
Textile Finishing Machinery Co. (Cylinder), 171 Westminster, Providence, R. I.
Union Iron Works, Spokane, Wash.

15388—Slashers (Steam, Exhausting Apparatus for)

Sturtevant B. F. Co. ("Sturtevant"), 15 Damon Hyde Park, Boston, Mass.

15389— Slubbing Machines

See also Frames, Slubbing

Klauder-Weldon Dyeing Machine Co., Yardley, Pa.
Saco-Lowell Shops, 1 Federal, Boston, Mass.
Union Iron Works, Spokane, Wash.
Woonsocket Machine & Press Co., Woonsocket, R. I.

15390— Soaping Machines

Birch Bros. (Open), Somerville, Mass.
Butterworth H. W. & Sons Co. (Open), 2415 E York, Phila., Pa.
Hunt Rodney Machine Co., Orange, Mass.
Textile Finishing Machinery Co. (Open), 171 Westminster, Providence, R. I.
Watson Machine Co. (For Silk), Paterson, N. J.

15391— Speeders (Cotton)

Saco-Lowell Shops, 1 Federal, Boston, Mass.

Spindle Banding

See Braided Banding; also Spindle Hook Bands

15392— Spindle Bolsters

Payne Geo. W. & Co., Pawtucket, R. I.
Piqua Handle & Mfg. Co., P. O. Box 307, Piqua, Ohio.

15393— Spindle Hook Bands

Am. Textile Banding Co. Inc. (Spinning Tape), Belfield av & Wister, Phila., Pa.
Binns Patent Band Co., 1842 Germantown av, Phila., Pa.
Frost Geo. T. & Sons,, Paterson, N. J.
Hodson John M., Boone & Markle, Philadelphia, Pa.
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Russell Mfg. Co. ("Rusco"), Dept. H, Middletown, Conn.
Young John B., J. & Levick, Phila., Pa.

15394—Spindle Tubes (Worsted)

Riley C. E. Co., 161 Devonshire, Boston, Mass.

15395-6— Spindles

Adjustable Clamp Co. (Adjustable Steel), 216 N Jefferson, Chicago, Ill.
Bamford & Smith Co., 9 Culver, Providence, R. I.
Dann Bros. & Co., New Haven, Conn.
Draper Corp. ("Rabbeth" Centrifugal Clutch), Hopedale, Mass.
Easton & Burnham Machine Co. (High Speed), Pine, Pawtucket, R. I.
Ellsworth Hardwood Co. (Wood of All Varieties), Ellsworth, Me.
Firth Wm. ("Clapham, Smith & Co.'s"), 200 Devonshire, Boston, Mass.
Hall I. A. & Co. ("Cant Slip"), Paterson, N. J.
Hartson L. M. Co. (Winder), N Windham, Conn.
Lever Oswald Co. (Horizontal, Driven by Belts), 11th & Cambria, Phila., Pa.
Morrison J. S. Co., Oliver bldg, Pittsburgh, Pa.
National Acme Co. ("Gridley" Automatic), 7500 Stanton av, S E, Cleveland, O.
Payne Geo. W. & Co., Pawtucket, R. I.
Penn Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.
Prue Frank J. (For Cop Yarn Winding), Woonsocket, R. I.
Southern Spindle & Flyer Co., Charlotte, N. C.
Taunton Spindle Co., Taunton, Mass.
U. S. Bobbin & Shuttle Co., 57 Eddy, Providence, R. I.
Whitin Machine Works, Whitinsville, Mass.
Wisconsin Textile Mfg. Co., Two Rivers, Wis.

15397— Spindles (Dresser)

Payne Geo. W. & Co., Pawtucket, R. I.

15398— Spindles (Reel)

Payne Geo. W. & Co., Pawtucket, R. I.

15399— Spindles (Shuttle)

Chase F. A. & Co., 253 W Exchange, Providence, R. I.

15400— Spindles (Spooler)

Diamond Textile Machine Works, Harrison bldg, Philadelphia, Pa.
Payne Geo. W. & Co., Pawtucket, R. I.

Spinning Machinery

See Frames, also Mules

15401—Spinning Machinery (Jute)

Brownell G. L. (Heavy Cotton Yarn), 49 Union, Worcester, Mass.
Watson Machine Co., Paterson, N. J.

15402— Spinning Rings

Brown Bros. Co., 62 Exchange pl, Providence, R. I.
Draper Corp. ("Mirror" & Twister), Hopedale, Mass.
Hall F. A. & P., Lawrence, Mass.
National Ring Traveler Co., 257 W Exchange, Providence, R. I.
Whitinsville Spinning Ring Co., Whitinsville, Mass.

15403— Spinning Tubes

American Paper Tube Co. (Paper), Woonsocket, R. I.
Bamford & Smith Co., 9 Culver, Providence, R. I.

15404— Splicing Machines

Brigham Arthur A., 864 Atlantic av, Boston, Mass.

15405—Spool Stranding Machines

New England Butt Co., 304 Pearl, Providence, R. I.

15406— Spooler Guides

Draper Corp. ("Northrop," "Lawrence," "MacColl"), Hopedale, Mass.
Payne Geo. W. & Co., Pawtucket, R. I.

15407— Spoolers (Cotton)

Altemus Jacob K., 2624 N. Amer., Phila., Pa.
Brighton Mills, Passaic, N. J.
Diamond Textile Machine Works, 1820 N 10th, Phila., Pa.
Draper Corp., Hopedale, Mass.
Easton & Burnham Machine Co., Pine, Pawtucket, R. I.
Foster Machine Co., Westfield, Mass.
Lover Oswald Co., 11th & Cambria, Philadelphia, Pa.
Proctor & Schwartz, Inc. ("Smith-Furbush"), 7th & Tabor rd, Phila., Pa.
Saco-Lowell Shops, 1 Federal, Boston, Mass.
Warp Compressing Machine Co., 103 Exchange, Worcester, Mass.
Whitin Machine Works, Whitinsville, Mass.

15408— Spoolers (Doubling)

Payne Geo. W. & Co., Pawtucket, R. I.

15409— Spoolers (Dresser)

Altemus Jacob K., 2624 N. Amer., Phila., Pa.
Diamond Textile Machine Works, 1820 N 10th, Philadelphia, Pa.
Foster Machine Co., Westfield, Mass.
Lever Oswald Co., 11th & Cambria, Philadelphia, Pa.

15410—Spoolers (Woolen & Worsteds)

Altemus Jacob K., 2624 N. Amer., Phila., Pa.
Diamond Textile Machine Works, Harrison bldg, Philadelphia, Pa.
Easton & Burnham Machine Co., Pine, Pawtucket, R. I.
Foster Machine Co., Westfield, Mass.
Hall F. A. & P., Lawrence, Mass.
Proctor & Schwartz, Inc. ("Smith-Furbush"), 7th & Tabor rd, Phila., Pa.
Warp Compressing Machine Co., 103 Exchange, Worcester, Mass.

15411— Spoolers (Yarn)

Diamond Textile Machine Works, Harrison bldg, Philadelphia, Pa.
Foster Machine Co., Westfield, Mass.
Hoffman J. C. Inc. (Drums), 2595 3d av, New York
Lever Oswald Co., 11th & Cambria, Philadelphia, Pa.
Payne Geo. W. & Co., Pawtucket, R. I.

Spooling Machines

See Spoolers

15412— Spools

See also Bobbins

Allen Spool & Printing Co., Mystic, Conn.
American Pulley Co. (Pressed Steel, with Steel Head & Barrel), 4200 Wissahickon av, Phila., Pa.
American Supply Co., 135 Washington, Providence, R. I.
Am. Tube & Stamping Co. (Pressed Steel), Dept. H, Bridgeport, Conn.
Atwood Crawford Co., Pawtucket, R. I.
Avoca Mfg. Co., Avoca, N. Y.
Bogert & Hopper Inc. (Cotton, Ribbon, Wire, Filler Sticks, etc.), 57 Barclay, New York *See adv index at end of book*
Brown Bros. Co., 62 Exchange pl, Providence, R. I.
Dudlo Mfg. Co. ("Dudlow" Fractional Compound), Ft. Wayne, Ind.
Estes E. B. & Sons (Cotton Thread), 364 5th av, New York
See adv index at end of book
Excelsior Bobbin & Spool Co., Newtown, Pa.
Fall River Bobbin & Shuttle Co., 821 Cambridge, Fall River, Mass.
Fall River Foundry & Machine Co., Fall River, Mass.
Frary Mfg. Co. (Printed), Charlemont, Mass.
Frary Spool Co., Berlin, N. Y.
Frost Geo. T. & Sons, Paterson, N. J.
Greenville Spool & Mfg. Co., Greenville, S. C.
Hoffman J. C. Inc., 2595 3d av, New York
ITEN FIBRE CO. (Fibre Spool Heads), 2358 E 67th st, Cleveland, O.
See adv index at end of book
Kline Lewis T. (Thread), Alpena, Mich.
Lestershire Spool & Mfg. Co. (Metal Protected), Lestershire, N. Y.
Macrodi Fibre Co. (Fibre), Woonsocket, R. I.
Nashua Spool & Bobbin Co. (All Kinds & Sizes), Haverhill National Bank bldg, Haverhill, Mass.
Novelty Turning Co., Norway, Me.
Parks M. H. & Co., Winchendon, Mass.
Parker Spool & Bobbin Co. (Warper Twister, Drawing & Jack), Lewiston, Me.
Payne Geo. W. & Co., Pawtucket, R. I.
Schutz Bros., 152 Chambers, New York
Shambow Shuttle Co., Woonsocket, R. I.
Skilling Julius P., Bethel, Me.
Stiles H. A. & Co. (Thread, Wire, Leather, Belting), 166-174 Portland, Boston, Mass. *See adv index at end of book*
Tebbets E. L. Spool Co., Locke Mills, Me.
Union Shuttle Co., Lawrence, Mass.
U. S. Bobbin & Shuttle Co., 57 Eddy, Providence, R. I.
Van Riper Mfg. Co., Paterson, N. J.
Vermont Spool & Bobbin Co., Burlington, Vt.
Weatherhead, Thompson & Co., Pawtucket, R. I.
Weld Bobbin & Spool Co., Lawrence, Mass.
Williams J. H. Co., Millbury, Mass.
Wing Spool & Bobbin Co., Kingfield, Maine
Wisconsin Textile Mfg. Co., Two Rivers, Wis.
Wonder Spool Co. (Fibre), 13 Wormwood, Boston, Mass.

15413—Spools (Dresser, Steel Head)

Mossberg Frank Co., Attleboro, Mass.
Sweet & Doyle, Cohoes, N. Y.

15414—Spools (Jack, Steel Head)

Crandall G. H. Co., Cohoes, N. Y.
Mossberg Frank Co., Attleboro, Mass.
Sweet & Doyle ("S. & D."), Cohoes, N. Y.
U. S. Bobbin & Shuttle Co., 57 Eddy, Providence, R. I.

15415— Spools (Silk Thread)

Atwood Crawford Co., Pawtucket, R. I.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Nashua Spool & Bobbin Co., Grove Hall Station, Boston, Mass.
Shambow Shuttle Co., Woonsocket, R. I.
Stowell N. S. & Co., Dixfield, Me.
Tebbets E. L. Spool Co., Locke Mills, Me.
Wing Spool & Bobbin Co., Kingfield, Maine

15416— Spools (Warp)
Parker Spool & Bobbin Co., Lewiston, Me.
Payne Geo W. & Co., Pawtucket, R. I.
Shambow Shuttle Co., Woonsocket, R. I.
U. S. Bobbin & Shuttle Co. ("Boynton" Patent), 57 Eddy, Providence, R. I.

15417— Sprinkling Machines
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.

15417a— Spun Silk Machinery
FRANKLIN MACHINE CO., Providence, R. I. *See adv index at end of book*

15418— Squeezers
Birch Bros., Somerville, Mass.
Hanna Engineering Wks. (Foundry Molding), 1764 Elston av, Chicago, Ill.
Textile Finishing Machinery Co. (Chemic., Sour & Water), 171 Westminster, Providence, R. I.
Watson Machine Co., Paterson, N. J.

15419— Stamping Machines
Moss Theo. Co., Inc. ("Themco"), 349 Adams, Brooklyn, N. Y.
PARKS & WOOLSON MACHINE CO. (Cloth), Springfield, Vt. *See adv index at end of book*
Ready Mfg. Co. (Indelible Ink), Troy, N. Y.
Saco-Lowell Shops, 1 Federal, Boston, Mass.

15420— Steaming Machines
Birch Bros., Somerville, Mass.
Curtis & Marble Machine Co. (Cloth), Worcester, Mass.
Hunter James Machine Co., N Adams, Mass.
PARKS & WOOLSON MACHINE CO. (Cloth), Springfield, Vt. *See adv index at end of book*
Textile Finishing Machinery Co. ("Rusden" Continuous Chainless), 171 Westminster, Providence, R. I.
Tillotson Humidifier Co. (Yarn), 73 Fountain, Providence, R. I.

15421—Stirrups & Levers (Cotton Machinery)
Dixon Lubricating Saddle Co., Bristol, R. I.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.

15422—Stock Cleaners (Four Cylinder)
Proctor & Schwartz, Inc. ("Smith-Furbush"), 7th & Tabor rd, Phila., Pa.

15423—Stock Oilers ("Spencer")
Dearborn Duster Co., 550-52 Harrison, Chicago, Ill.
Harwood Geo. S. & Son, Exchange bldg., Boston, Mass.

15424— Strapping Machines
See also Sewing Machines
Union Button Sewing Co., 394 Atlantic av, Boston, Mass.

15425— Stripping Machines
Crompton & Knowles Loom Wks. (Bobbin), Worcester, Mass.
Hussong Dyeing & Machine Co., Groveville, N. J.
Leighton Machine Co. (Sweaters, Cardigans & Collarettes & Anklets), Manchester, N. H.
Smith, Drum & Co., Allegheny av & 5th, Philadelphia, Pa.

15425a— Surfacing (Steel)
ERDLE PERFORATING CO., 171 York, Rochester, N. Y. *See adv index at end of book*

15426— Sweep Sticks
Brusher J. B., Norristown, Pa.

15427— Tapes, Braids & Cords
Am. Textile Banding Co. Inc. (Spinning Tape), Belfield av & Wister, Phila., Pa.
Ansonia O. & C. Co., Ansonia, Conn.
Asbestos Materials Corp., Millington, N. J.
Atkins & Pearce Mfg. Co., 5th & Eggleston av, Cincinnati, O.
Barber Mfg. Co. (Spinning Tapes), Lowell, Mass.
Barlow John W. Co. (Spinning), Lawrence, Mass.
Barton F. C., 65 Worth, New York
Baum C. F. Co., Frontier av & Blackhawk, Chicago, Ill.
Bibb Mfg. Co. (Braids & Cords Only), Macon, Ga.
Christ Bros. Mfg. Co. (Elastic Braids & Cords), 1303 Buttonwood, Phila., Pa.
Colombat, Henry (Braid & Cords), 239H Geary, San Francisco, Cal.
Friedberger-Aaron Mfg. Co., 18th & Courtland, Phila., Pa.
Georgia Webbing & Tape Co., Dept. H, Columbus, Ga.
Goff D. & Sons, Pawtucket, R. I.
Glendale Elastic Fabrics Co. (Cords & Braids), Easthampton, Mass.
Hamilton J. H. & Co., 25 White, New York
Hoffman-Corr Mfg. Co., 312 Market, Philadelphia, Pa.
Hooper Sons Mfg. Co., Juniper & Cherry, Phila., Pa.
Hope Webbing Co. (Spinning Tapes), 1095 Main, Providence, R. I.
Industrial Tape Mills Co., Jasper & Huntington, Phila., Pa.
International Braid Co., 47 Charles, Providence, R. I.
Kavanaugh Geo. W., Cohoes, N. Y.
Kenyon J. J. Mfg. Co., Pawtucket, R. I.
Knit Goods Specialty Co. (Tape), Chicopee Falls, Mass.
Krout & Fite Mfg. Co, Allegheny av & Emerald, Phila., Pa.
Lambeth Rope Corporation (Flat Braided Tapes), New Bedford, Mass.
Narrow Fabric Co. ("Nufashon" Elastic), Reading, Pa.
Page Fred M. & Co. (Bias Tapes & Bindings), West Lynn, Mass.
Phoenix Trimming Co. (Tire Tapes), 2003H N Racine av, Chicago, Ill.
Russel Mfg. Co. ("Rusco"), Dept. H, Middletown, Conn.
Small Bros., Fall River, Mass.
Weimar Brothers (Tapes & Bindings Only), 2046 Amber, Phila., Pa.
Wick Narrow Fabric Co., 931 Market, Phila., Pa.
Wilkins Mfg. Co. (Plain & Fancy Tapes), Woonsocket, R. I.
Young John B., J. & Levick, Phila., Pa.

Temples
See Loom Temples

15427a— Tensions (Shuttle)
Parsons Specialty & Machine Works (Silk), 2427 No 4th, Phila., Pa.

15428— Tenter Clips
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.
Winsor & Jerauld Mfg. Co., 1268 Eddy, Providence, R. I.

15428a— Tenter Frame Heaters
Surface Combustion Co., The, 334 Gerard av, Bronx, New York *See adv index at end of book*

THE SURFACE COMBUSTION CO.
The new automatically controlled tenter heater that contributes to the efficiency of the mill by making the heating of frames as simple as boiling water.
THE SURFACE COMBUSTION CO.
334 Gerard Avenue Bronx, N. Y.

15429— Tentering Machines
Birch Bros., Somerville, Mass.
Butterworth H. W. & Sons Co., 2415 E York, Phila., Pa.
Heathcote John & Son (For Woolens & Worsteds), 212 Eddy, Providence, R. I.
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.
Winsor & Jerauld Mfg. Co., 1268 Eddy, Providence, R. I.

15430— Testers (Yarn)
Draper Corp. (Moscrop Single Thread), Hopedale, Mass.

15431—Testing Machines (Cloth)
Riehle Bros. Testing Machine Co., 1424 N 9th, Phila., Pa.
Scott Henry L. & Co., 101 Blackstone, Providence, R. I.
Shuttle Machine Co. ("Tensyl"), 18 E 17th, New York
Sipp Machine Co., Paterson, N. J.

15432— Testing Machines (Silk)
Sipp Machine Co., Paterson, N. J.

15433—Testing Machines (Yarn)
American Supply Co., 135 Washington, Providence, R. I.
Firth Wm. (Goodbrandt Co.), 200 Devonshire, Boston, Mass.
Scott Henry L. & Co., 101 Blackstone, Providence, R. I.
Sweet & Doyle, Cohoes, N. Y.

15434-5— Textile Parts
Worcester Pressed Steel Co., Barber av, Worcester, Mass. *See adv index at end of book*

15436— Thread Machinery
Atwood Machine Co., Stonington, Conn.
Willimantic Machine Co., Willimantic, Conn.

15437— Tom-Toms (For Hosiery)
Phila. Drying Machy. Co., 3351 Stokley, Phila., Pa.
Smith Drum & Co. (& Lace), Allegheny av & 5th, Phila., Pa.
Utica Novelty & Mill Specialty Co., Utica, N. Y.

15438— Trade-Mark Stamps
Kaumagraph Co., 209 W 38th, New York

15439— Traveler Cleaners
Whitinsville Spinning Ring Co., Whitinsville, Mass.

15440— Traveler Cups
Whitinsville Spinning Ring Co., Whitinsville, Mass.

15441-2— Travelers (Ring)
American Supply Co., 135 Washington, Providence, R. I.
Brown Bros. Co., 62 Exchange pl, Providence, R. I.
Chase F. A. & Co., 253 W Exchange, Providence, R. I.
Dary Ring Traveller Co., Taunton, Mass.
De Haven Mfg Co., 50 Columbia Heights, Brooklyn, N. Y.
Hartson L. M. Co. (& Bar), N Windham, Conn.
National Ring Traveler Co., 257 W Exchange, Providence, R. I.
Ring Traveler Stringer Mfg. Co., Dept. H, Columbus, Ga.
Standard Ring Traveler Co., New Bedford, Mass.
Sterling Ring Traveler Co., Fall River, Mass.
U. S. Ring Traveler Co., 159 Aborn, Providence, R. I.

Travelers (Spinning & Twisting)
See Travelers, Ring

15443— Twine Balling Machines
Loyd Jno. Co., 124 Baxter, New York

15444— Twisters (Carpet)
Reed Mfg. Co. (Foot Power), Springfield, Ohio

15445— Twisters (Cordage)
Brownell G. L., 49 Union, Worcester, Mass.

15446— Twisters (Cotton)
Brownell G. L., 49 Union, Worcester, Mass.
Collins Bros., Pawtucket, R. I.
Diamond Textile Machine Works, Harrison bldg, Philadelphia, Pa.
Draper Corp., Hopedale, Mass.
H. & B. Am. Machine Co., Pawtucket, R. I.
Haskell-Dawes Machine Co. (Also Jute), 176 Federal, Boston, Mass.
Saco-Lowell Shops, 1 Federal, Boston, Mass.
Whitin Machine Works, Whitinsville, Mass

15447— Twisters (Silk)
Atwood Machine Co., Stonington, Conn.
Brownell G. L., 49 Union, Worcester, Mass.

15448— Twisters (Wool)
Collins Bros., Pawtucket, R. I.
Fales & Jenks Machine Co., Pawtucket, R. I.
PROCTOR & SCHWARTZ, INC. ("Smith-Furbush"), 7th & Tabor rd, Phila., Pa.
Riley C. E. Co., 161 Devonshire, Boston, Mass.
Saco-Lowell Shops, 1 Federal, Boston, Mass.

15449— Twisters (Yarn)
Chaney Mfg. Co., Springfield, Ohio
Collins Bros., Pawtucket, R. I.
Proctor & Schwartz, Inc. ("Smith-Furbush"), 7th & Tabor rd, Phila., Pa.
Riley C. E. Co., 161 Devonshire, Boston, Mass.
Whitin Machine Works, Whitinsville, Mass.

15450— Warpers
Altemus Jacob K., 2624 N. Amer., Phila., Pa.
Atherton Fred L. Machine Co., Paterson, N. J.
Atwood Machine Co., Southington, Conn.
Cocker Machine & Fdry. Co., Gastonia, N. C.
Crompton & Knowles Loom Works, 93 Grand Park, Worcester, Mass.
Draper Corp. ("Hopedale"), Hopedale, Mass.
Eastwood Benj. Co. (Silk & Lace, Horizontal & Swiss), Paterson, N. J.
Entwistle T. C Co., Lowell, Mass.
Knapp C. H., Paterson, N. J.
Proctor & Schwartz, Inc. ("Smith-Furbush"), 7th & Tabor rd, Phila., Pa.
Riley C. E. Co., 161 Devonshire, Boston, Mass.
Royle John & Sons, Paterson, N. J.
Saco-Lowell Shops, 1 Federal, Boston, Mass.
Sipp Machine Co. (Silk, Horizontal & Swiss), Paterson, N. J.

15451— Warpers (Leese)
Saco-Lowell Shops, 1 Federal, Boston, Mass.

15452— Warpers (Slasher)
Saco-Lowell Shops, 1 Federal, Boston, Mass.

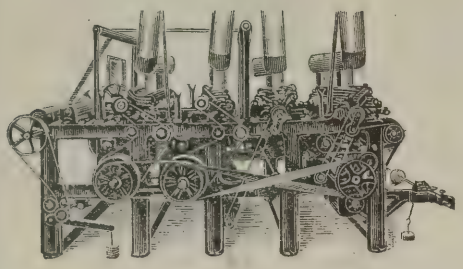
15453—Warpers (Swiss Attachment)
Sipp Machine Co., Paterson, N. J.

15454—Warpers & Linkers (Chain)
Draper Corp. ("Walcott" Warpers), Hopedale, Mass.

15455— Warping Mills
Lever, Oswald Co, 13th & Cumberland, Phila., Pa.

15456—Warping Mills (Sectional)
Lever, Oswald & Co, 13th & Cumberland, Phila., Pa.
Proctor & Schwartz, Inc. ("Smith-Furbush"), 7th & Tabor rd, Phila., Pa.

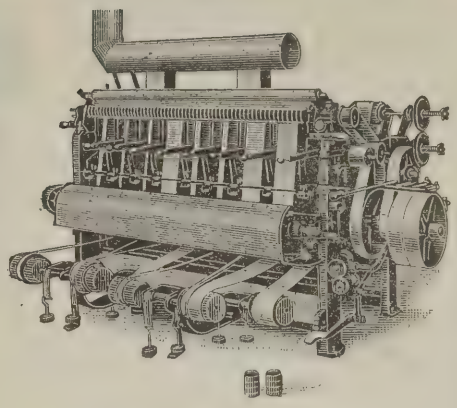
SILK PICKING SHEARS
RIBBON SHEARS



Four Blade Silk Picking Shear

SILK PACKAGING MACHINERY
DOUBLING
MEASURING
WINDING
ROLLING
INSPECTING

PARKS & WOOLSON MACHINE CO
Springfield Vermont



Eight String Ribbon Shear

15457— Warps

Bibb Mfg. Co. (Spool, Carpet, etc), Macon, Ga.
Dana Warp Mills, Westbrook, Me.
Grant Yarn Co., Fitchburg, Mass.
Greene & Daniels Co., Pawtucket, R. I.
Hoffman-Corr Mfg. Co., 312 Market, Phila., Pa.
Indian Orchard Co., Indian Orchard, Mass.
Montgomery J. R. Co., Windsor Locks, Conn.
Monument Mills, Housatonic, Mass.
Plunkett W. C. & Sons (Cotton), Adams, Mass.
Westport Mfg. Co. (Carpet), Westport, Mass.

15458—Washer & Fuller Combined

Hunt Rodney Machine Co., Orange, Mass.
Hunter James Machine Co., North Adams, Mass.

15459— Washers (Cloth)

Arlington Machine Works, Arlington Heights, Mass.
Birch Bros., Somerville, Mass.
Butterworth H. W. & Sons Co., 2415 E York, Phila., Pa.
Hunt Rodney Machine Co., Orange, Mass.
Hunter James Machine Co., North Adams, Mass.
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.
Watson Machine Co., Paterson, N. J.

15459a— Washers (Hair)

Proctor & Schwartz Inc., 7th & Tabor rd, Phila., Pa

15460— Washers (Warp)

Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.

15461— Washers (Wool)

Hunter James Machine Co., North Adams, Mass.
Sargent's C. G. Sons Corp., Graniteville, Mass.

15462— Washers (Yarn)

Proctor & Schwartz Inc., 7th & Tabor rd, Phila., Pa.
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.

15463—Waste Machines (Cotton)

American Machine & Mfg. Co., Atlanta, Ga.
Firth Wm. (Fatham & Co.'s), 200 Devonshire, Boston, Mass.
PROCTOR & SCHWARTZ, INC. ("Smith-Furbush"), 7th & Tabor rd, Phila., Pa.
Riley C. E. Co., 161 Devonshire, Boston, Mass.
Saco-Lowell Shops, 1 Federal, Boston, Mass.

15464—Waste Machines (Engine Cleaning)

PROCTOR & SCHWARTZ, INC. ("Smith-Furbush"), 7th & Tabor rd, Phila., Pa.
Riley C. E. Co., 161 Devonshire, Boston, Mass.

15465— Waste Savers

15466— Waste Silk Machinery

Saco-Lowell Shops, 1 Federal, Boston, Mass.

15467— Weaversknot Tyer

Edmands Arthur B. Co., 180 Main, Pawtucket, R. I.

Weaving Machinery
See Looms

15468— Web Folding Machines

Grand Rapids Textile Machinery Co., Grand Rapids, Mich.

15469—Weighing Machines (Cloth)

PARKS & WOOLSON MACHINE CO., Springfield, Vt.
See adv index at end of book

15470—Willowing Machines (Wool)

Lombard Machine Co., Worcester, Mass.
Proctor & Schwartz, Inc. ("Smith-Furbush" "Proctor"), 7th & Tabor rd, Phila., Pa.
Riley C. E. Co., 161 Devonshire, Boston, Mass.
Sargent's C. G. Sons Corp., Graniteville, Mass.

15471— Winders

See also Sub-divisions of this Head

Altemus Jacob K., 2624 N. Amer., Phila., Pa.
Atwood Machine Co., Stonington, Conn.
Brighton Mills, Passaic, N. J.
Cameron Machine Co., 61 Poplar, Brooklyn, N. Y.
Campbell & Clute Machine Co., Cohoes, N. Y.
Diamond Textile Machine Works (Bobbin), Harrison bldg, Philadelphia, Pa.
Dudlo Mfg. Co. ("Dudlow"), Ft. Wayne, Ind.
Eastwood Benj. Co. (Silk), Paterson, N. J.
Firth Wm. (Stubbs), 200 Devonshire, Boston, Mass.
Foster Mach. Co., Westfield, Mass.
Hall F. A. & P. ("Horrock's" Drum), Lawrence, Mass.
Lazenby F. A. & Co., 414 Key Highway, Baltimore, Md.
Leighton Machine Co., Manchester, N. H.
Lever Oswald Co., 11th & Cambria, Philadelphia, Pa.
PARKS & WOOLSON MACHINE CO. (Cloth), Springfield, Vt.
See adv index at end of book
Payne Geo. W. & Co. (Cop, Skein or Bobbin), Pawtucket, R. I.
Pusey & Jones (1, 2, 3 or 4 Shaft Compensating 2 Drum Uniform Speed), H, Poplar, Wilmington, Del.
Saco-Lowell Shops, 1 Federal, Boston, Mass.
Sipp Machine Co., Paterson, N. J.
Smith Drum & Co., Allegheny av & 5th, Phila., Pa.
Spindler E. O. (Imp.), 139H Franklin, New York
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.
Textile Machine Works, Reading, Pa.
Universal Winding Co. ("Leesona"), 95 South Boston, Mass.
Watson Machine Co., Paterson, N. J.
Watts Regulator Co. ("Watts" Measuring), Lawrence, Mass.
Windle J. E. (Cloth), 23 Hermon, Worcester, Mass.

15472— Winders (Ball)

Franklin Machine Co., Providence, R. I.
See adv index at end of book
North Chelmsford Machine & Supply Co. (Automatic), North Chelmsford, Mass.

15473— Winders (Cone)

Brigham Arthur A. ("Broadbent & Brighams"), 364 Atlantic av, Boston, Mass.
Diamond Textile Machine Works, Harrison bldg, Philadelphia, Pa.
Foster Machine Co., Westfield, Mass.
Lever Oswald Co., 11th & Cambria, Philadelphia, Pa.
Universal Winding Co. ("Leesona"), 95 South Boston, Mass.

15474— Winders (Cop)

Altemus Jacob K., 2624 N. Amer., Phila., Pa.
Brighton Mills, Passaic, N. J.
Lazenby F. A. & Co., 414 Key Highway, Baltimore, Md.
Lever Oswald Co., 11th & Cambria, Philadelphia, Pa.
Saco-Lowell Shops, 1 Federal, Boston, Mass.
Sipp Machine Co., Paterson, N. J.
Universal Winding Co. ("Leesona"), 95 South, Boston, Mass.

15475— Winders (Fillet)

Proctor & Schwartz, Inc. ("Smith-Furbush"), 7th & Tabor rd, Phila., Pa.

15476— Winders (Hosiery)

Altemus Jacob K., 2624 N. Amer., Phila., Pa.
Brigham Arthur A. ("Broadbent & Brighams"), 364 Atlantic av, Boston, Mass.
Easton & Burnham Machine Co., Pine, Pawtucket, R. I.
Foster Machine Co., Westfield, Mass.
Huse Warren D. & Sons, Laconia, N. H.
Leighton Machine Co., Manchester, N. H.
Lever Oswald Co., 11th & Cambria, Philadelphia, Pa.
Lindley Geo. W., 5122 Wakefield, Germantown, Phila., Pa.
Payne Geo. W. & Co., Pawtucket, R. I.
Saco-Lowell Shops, 1 Federal, Boston, Mass.
Spindler E. O. (Imp.), 139H Franklin, New York
Universal Winding Co. ("Leesona"), 95 South, Boston, Mass.

15477— Winders (Lap)

Saco-Lowell Shops, 1 Federal, Boston, Mass.

15478— Winders (Magnet)

Belden Mfg. Co., 2316 S Western av, Chicago, Ill.
Cleveland Specialty & Mfg. Co., Cleveland, Ohio
Fischer Chas. Spring Co. (Bobbin), 240 Kent av, Brooklyn, N. Y.
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Universal Winding Co. ("Leesona"), 95 South, Boston, Mass.

15479— Winders (Quill)

Lazenby F. A. & Co., 414 Key Highway, Baltimore, Md.
Lever Oswald Co., 11th & Cambria, Philadelphia, Pa.
Sipp Machine Co., Paterson, N. J.
Universal Winding Co. ("Leesona"), 95 South, Boston, Mass.

15480— Winders (Skein)

Altemus Jacob K., 2624 N. Amer., Phila., Pa.
Brigham Arthur A., 364 Atlantic av, Boston, Mass.
Collins Bros. (Drum), Pawtucket, R. I.
Easton & Burnham Machine Co., Pine, Pawtucket, R. I.
Foster Machine Co., Westfield, Mass.
Lever Oswald Co., 11th & Cambria, Philadelphia, Pa.
Sipp Machine Co., Paterson, N. J.

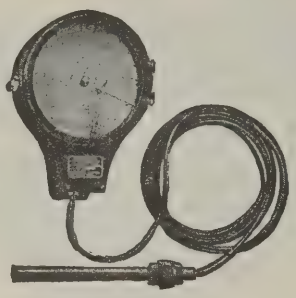
15481— Winders (Yarn)

Altemus Jacob K., 2624 N. Amer., Phila., Pa.
Lever Oswald Co., 11th & Cambria, Phila., Pa.
Universal Winding Co. ("Leesona"), 95 South, Boston, Mass.

15482—Winding Machines (Cloth)

Curtis & Marble Mach. Co., Worcester, Mass.
Knowlton M. D. & Co., 26 Elizabeth, Rochester, N. Y.
PARKS & WOOLSON MACHINE CO., Springfield, Vt.
See adv index at end of book

(Continued on following page)



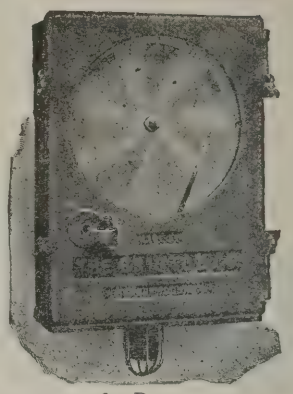
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Altemus Jacob K., 2624 N. Amer., Phila., Pa.

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See Burring Machines

15485—Woolen & Worsted Machinery

See also the Specific Article Required

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Crompton & Knowles Loom Works (Weaving), 93 Grand Park, Worcester, Mass.
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Davis & Furber Machine Co. (Wool), N Andover, Mass.
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Firth Wm. 200 Devonshire, Boston, Mass.
Harwood Geo. S. & Son, Exchange bldg, Boston, Mass.
Hood R. H. Co., 1842 Germantown av, Phila., Pa.
Hunt Rodney Machine Co., Orange, Mass.
Hunter Jas. Machine Co., N Adams, Mass.
Jefferson Edw. (Imp.), 23H S 2nd, Phila., Pa.
Leigh & Butler ("Platt Bros. & Co."), 232 Summer, Boston, Mass.
Lombard Machine Co., Worcester, Mass.
PARKS & WOOLSON MACHINE CO. (Cloth), Springfield, Vt.
See adv index at end of book
Payne Geo. W. & Co., Pawtucket, R. I.
Phila. Drying Machinery Co. (Carbonizers Only), 3351 Stokley, Phila., Pa.
Proctor & Schwartz, Inc. ("Smith-Furbush" "Proctor"), 7th & Tabor rd, Phila., Pa.
Riley C. E. Co., 161 Devonshire, Boston, Mass.
Saco-Lowell Shops (Worsted), 1 Federal, Boston, Mass.
Sargent's C. G. Sons Corp., Graniteville, Mass.
Smith Geo. E. (Dealer), Cohoes, N. Y.
Woonsocket Machine & Press Co., Woonsocket, R. I.

15485a—Worsted Drawing Frames. (French)

FRANKLIN MACHINE CO. ("Frotteurs"), Providence, R. I.

15486— Wringing Machines

Amer. Wringer Co. (Silk Dyers' Wringers), 91 Social, Woonsocket, R. I.
Clark Geo. P. Co., Windsor Locks, Conn.
Hunt Rodney Machine Co., Orange, Mass.

15486a—Yard Numbering Machines (Cloth)

PARKS & WOOLSON MACHINE CO., Springfield, Vt.
See adv index at end of book

15487— Yarn Cleaning Machines

Jennings R. G. Yarn Cleaning Machine Co., Elmira, N. Y.

15488—Yarn Conditioning Machines

Phila. Drying Machinery Co., 3351 Stokley, Phila., Pa.
Sargent's C. G. Sons Corp., Graniteville, Mass.
Suter Alfred ("Standard"), 200 5th av, New York

15489—Yarn Printing Machines

Brigham Arthur A., 364 Atlantic av, Boston, Mass.
Luther C. A. & Co., Pawtucket, R. I.
Ready Mfg. Co. (Indelible Ink), Troy, N. Y.

15489a—Yarn Sizing Machines

Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.

(End of Textile Machinery)

15490— Thalium

American Smelting & Refining Co., 120 B'way, New York
Drakenfeld B. F. & Co., Inc., 50 Murray, New York

15491— Thawers (Dynamite)

See also Kettles, Thawing

DU PONT E. I. DE NEMOURS & CO. INC., Explosives & Smokeless Powder Depts. (see adv at Explosives), Wilmington, Del.
See adv index at end of book

15492— Thawing Outfits

Burbank Thawing Machine Co., 342 Warren Bay, Boston, Mass.
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Premier Machinery Co., Oakland, Cal.

Theatre Brass Work

See Bronze, Architectural, Etc.; also Grilles, Brass & Bronze

15492a—Theatre Curtains (Asbestos)

American Insulation Co., Nicetown, Phila., Pa. *See adv index at end of book*
Asbestos Materials Corp., Millington, N. J.
Asbestos Textile Co., 18 E 41st, New York
Flagg, Edwin H. Studios, 1638 Long Beach av, Los Angeles, Cal.
Keasbey & Mattison Co., ("Kaynum"), Ambler, Pa.
MIKESELL BROS. CO., Wabash, Ind.
See adv index at end of book

15493—Theatre Curtains (Steel)

Central Metal Products Co. ("C. M. P."), Canton, O.
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Elevator Supplies Co., Hoboken, N. J.
Harris S. H. Co., 2424 W 22nd, Chicago, Ill.
KINNEAR MFG. CO. (Lift), 716-766 Field av, Columbus, O.
See adv index at end of book
Perkins Mfg. Co. (Iron), University & Fairview avs, St. Paul, Minn.
See adv index at end of book

Theatre Seating

See Opera Chairs & Assembly Seating

15494— Theobromine

Hoffman-La Roche Chemical Works, 19 Cliff, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Riddle Chemical Co. (Pure), 35 S Dearborn, Chicago, Ill.
See adv index at end of book

15495— Theodolites

Bausch & Lomb Optical Co., Rochester, N. Y.
Buff & Buff Mfg. Co., 98 Green, Jamaica Plains, Boston, Mass.
Gurley W. & L. E., Troy, N. Y.
Queen-Gray Co., 64-70H W Johnson, Phila., Pa.

15496— Thephorin

Hoffman-La Roche Chemical Works, 19 Cliff, New York

15497— Thermofans

Schutte & Koerting Co. (For Heating & Ventilating), 1251 N 12th, Phila., Pa.
See adv index at end of book

15497a—Thermometer-Thermostat

BRISTOL CO. ("Bristol's") **Waterbury, Conn.** *See adv index at end of book*
Brown Instrument Co., Wayne & Windrim, Phila., Pa.
Heat Control Service Co. Inc., 267 Wyckoff, Brooklyn, N. Y.
Tagliabue C. J. Mfg. Co., 20H 33d, Brooklyn, N. Y.

15498— Thermometers

American Schaeffer & Budenberg Corp. (Bath, Mechanical & Steam Pipe), Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book
American Thermometer Co., 3146 Lucas, St. Louis, Mo.
American Thermo-Ware Co., 16 Warren, New York
Beck Oscar & Co., 280 Maujer, Brooklyn, N. Y.
Berg James Mfg. Co., 3707 12th av, Brooklyn, N. Y.
Braun-Knecht-Heimann Co. (Refrigerating, Household, Chemical, Mechanical, Recording, Steam & Hot Water), 576-584 Mission, San Francisco, Cal.
BRISTOL CO. ("Bristol," Recording, etc). Waterbury, Conn.
See adv index at end of book
Brown Instrument Co., Wayne & Windrim, Phila., Pa.
Chaney Mfg. Co., Springfield, O.
Combustion Utilities Corp., 8-10 Bridge, New York
Dodge Albert J., Peterboro, N. H.
Dorfmann Bros. (Advertising), Corona, N. Y.
Du Vivier Ernest H. (Imp.) (Recording), 30 Church, New York.
Eimer & Amend ("Fisher"), 205 E 18th, New York
Electrical Appliance Mfg. Co. ("Best Ever" for Fireless Cooker), Waterbury, Conn.
Etching Company of America, 1520H Montana, Chicago, Ill.
Fleischhuer F. & Son, Hollis, Long Island, N. Y.
FOXBORO COMPANY, THE ("Foxboro"), Foxboro, Mass.
See adv index at end of book
Freas Francis L., Coshohocken, Pa.
Fruehauf Mfg. Co., Woodhaven, Brooklyn, N. Y.
Green Henry J. (Meterological, Soil, Chimney, Orchard, House, Steam, etc), 1191 Bedford av, Brooklyn, N. Y.
Greiner Emil Co., 55 Fulton, New York
Griebel Instrument Co., Carbondale, Pa.
Huddleston J. S. F., 132 Hanover, Boston, Mass.
Keys Bros. & Co., Catasqua, Pa.
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Leeds & Northrup Co. (Electrical), 4901H Stenton av, Phila., Pa.
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Moeller A. E., 263 Sumpter, Brooklyn, N. Y.
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National Gauge & Equipment Co. ("National"), La Crosse, Wis.
National Thermometer Co. (Clinical), 125 E 23d, New York
Nurnberg Thermometer Co., Inc., 397 Bridge, Brooklyn, N. Y.
See adv index at end of book
Palmer Co., 804 E Court, Cincinnati, O.
Phila. Thermometer Co. (Mechanical etc.), 9th & Arch, Phila., Pa.
PIERCE BUTLER & PIERCE MFG. CORP., 41 E 42d, New York
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Scientific Instrument Co. (High & Low Pressure, Gas Filled), 535 W Larner, Detroit, Mich.
Scott C. P. & Sons, 308 Terrace, Buffalo, N. Y.
Standard Thermometer Co., 65 Shirley, Boston, Mass.
Tagliabue Chas. J. Mfg. Co. ("Dupli-merge," "Tel-A-Fever," "Tagometer," "Durotag," "Tag Elite," "Tag Everight," Veterinary, "Yorklynn," "E. Z. C.," "Faultless," Dial, "Gotham," "Knickerbocker," "Manhattan," "New Brooke," "Tag," All Kinds for All Purposes"), 18 33d, Brooklyn, N. Y.
Tagliabue G. (Est. of), 302 Pearl, New York
Taylor Instrument Companies ("Tycos"), Rochester, N. Y.
Thompson-Levering Co. ("Peerless"), Jobbers, 325 Arch, Phila., Pa.
Wagner Bros. & Co. (Imp.), 100 5th av, New York
Wagner Carl H., 1944 N Albany av, Chicago, Ill.
Wagner Glass Works, 697 E 132d, New York
Weinhagen & Hespe ("Hesco" for Laboratory, Factory, etc.), 159 Leonard, New York
Wilder-Pike Thermometer Co. ("Daisy," "Wilder" Cold Storage, Fireless Cooker, House, Tempering, etc.), H, 532 Fulton Troy N. Y.
Zaubitz August (For Stills, Boilers, Vacuum, Pans, Heating, etc), 95 Cliff, New York

15499—Thermometers (Advertising)

Aluminum Specialty Co., Manitowoc, Wis.
American Mfg. Concern, Falconer, N. Y.
Chaney Mfg. Co., Springfield, O.
Freas Francis L., Conshohocken, Pa.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Marshall Mfg. Co., Coshocton, O.
National Sheet Metal Co. (Stamped Nickelene, etc), Peru, Ill.
Tagliabue C. J. Mfg. Co. 20H 33d, Brooklyn, N. Y.
Taylor Instrument Companies (Taylor Bros. Co. Division), Rochester, N. Y.
Up-to-Date Advertising Co., Canisteo, N. Y.
Weinhagen & Hespe, 159 Leonard, New York

15500—Thermometers (Candy)

Brown Instrument Co., 4522 Wayne av, Phila., Pa.
Chaney Mfg. Co., Dept. H, Springfield, O.
FOXBORO COMPANY, THE ("Foxboro"), Foxboro, Mass.
See adv index at end of book
Precision Thermometer & Instrument Co., 1435 Brandywine, Phila., Pa.
Taylor Instrument Companies, Rochester, N. Y.
Weinhagen & Hespe, 159 Leonard, New York
Wilder-Pike Thermometer Co. ("Wilder"), 552H Fulton, Troy, N. Y.

15501—Thermometers (Cardboard)

American Thermo-Ware Co., 16 Warren, New York

15502—Thermometers (Chemical)

American Schaeffer & Budenberg Corp. ("Crescent"), Berry & S 5th, Brooklyn, N. Y. *See adv index at end of book*
American Thermo-Ware Co., 16 Warren, New York
Berg James Mfg. Co., 3707 12th av, Brooklyn, N. Y.
Brown Instrument Co., Wayne & Windrim, Phila., Pa.
Eimer & Amend, 205 E 18th, New York
Engelhard Chas. (Electrical), 30 Church, New York
Moeller A. E., 261 Sumpter, Brooklyn, New York.
National Thermometer Co., 123 E 23d, New York
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Reid Bros., Inc., 91 Drumm, San Francisco, Cal.
Tagliabue Chas. J. Mfg. Co., 18 33rd, Brooklyn, N. Y.
Taylor Instrument Companies ("Tycos") Rochester, N. Y.
Weinhagen & Hespe, 159 Leonard, New York

15503—Thermometers (Chimney)

Brown Instrument Co., 4522 Wayne av, Phila., Pa.
Foxboro Company The ("Foxboro"), Foxboro, Mass. *See adv index at end of book*
Green Henry J., 1191 Bedford av, Brooklyn, N. Y.
Precision Thermometer & Instrument Co., 1434 Brandywine, Philadelphia, Pa.

15504—Thermometers (Clinical)

American Thermo-Ware Co., 16 Warren, New York
Becton, Dickinson & Co., Rutherford, N. J.
Brown Instrument Co., 4522 Wayne av, Phila., Pa.
Chaney Mfg. Co., Dept. H, Springfield, O.
Farrar Thermometer Co., 1301 Boston rd. New York
Freas Francis L., Conshohocken, Pa.
Kessling Edw., 96 Suydam, B'klyn, N. Y.
National Thermometer Co., 125 E 23d, New York
Nurnberg Thermometer Co., Inc., 397 Bridge, Brooklyn, N. Y.
See adv index at end of book
Reid Bros. Inc., 91H Drumm, San Francisco, Cal.
Tagliabue C. J. Mfg. Co., 20H 33d, Brooklyn, N. Y.
Taylor Instrument Companies, Rochester, N. Y.
Weinhagen & Hespe, 159 Leonard, New York

15505—Thermometers (Dial)

American Schaeffer & Budenberg Corp. ("Reform"), Berry & S 5th, Brooklyn, N. Y. *See adv index at end of book*
Brown Instrument Co., 4522 Wayne av, Phila., Pa.
FOXBORO COMPANY, THE ("Foxboro"), Foxboro, Mass.
See adv index at end of book
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15505a—Thermometers (Dairy)

Am. Thermo-Ware Co., 16 Warren, New York
Chaney Mfg. Co., Dept. H, Springfield, O.
Foxboro Company The, Foxboro, Mass.
See adv index at end of book
New York Thermometer Co., 36 E 23d, New York
POWERS REGULATOR CO., 2773 Greenview av, Chicago, Ill.
See adv index at end of book
Wilder-Pike Thermometer Co. ("Wilder"), Dept. H, Troy, N. Y.

15506—Thermometers (Electric Contact)

Brown Instrument Co., 4522 Wayne av, Phila., Pa.
Engelhard Charles Inc., 30H Church, New York
Precision Thermometer & Instrument Co., 1435 Brandywine, Phila., Pa.
Standard Thermometer Co. 65 Shirley, Boston, Mass.
Tagliabue, C. J. Mfg. Co., 18 33d, Brooklyn, N. Y.
Taylor Instrument Companies, Rochester, N. Y.
Thwing Instrument Co., 3339 Lancaster av, Phila., Pa.
Weinhagen & Hespe, 159 Leonard, New York

15507—Thermometers (Feed Water)

American Schaeffer & Budenberg Corp ("Columbia" Recording), Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book
BRISTOL CO. ("Bristol's" Recording), Waterbury, Conn.
See adv index at end of book
BROWN INSTRUMENT CO., 4522 Wayne av, Philadelphia, Pa.
FOXBORO COMPANY, THE ("Foxboro"), Foxboro, Mass.
See adv index at end of book
National Gauge & Equipment Co. ("Radimeter"), La Crosse, Wis.
POWERS REGULATOR CO., 2773 Greenview av, Chicago, Ill.
See adv index at end of book
Precision Thermometer & Instrument Co., 1435 Brandywine, Phila., Pa.
Tagliabue C. J. Mfg. Co., 20H 33d, Brooklyn, N. Y.
Taylor Instrument Companies, Rochester, N. Y.

15507a—Thermometers (Fever)

Brown Instrument Co., 4522 Wayne av, Phila., Pa.
Nurnberg Thermometer Co., Inc., 397 Bridge, Brooklyn, N. Y.
See adv index at end of book
Tagliabue C. J. Mfg. Co., 20H 33d, Brooklyn, N. Y.
Taylor Instrument Companies, Rochester, N. Y.

15507b—Thermometers (For Oil Circulation)

Akers Wm. Jr. Co. ("Visco-Meter"), 10th & Filbert, Phila., Pa.
FOXBORO COMPANY, THE ("Foxboro"), Foxboro, Mass.
See adv index at end of book
National Gauge & Equipment Co. ("Radimeter"), La Crosse, Wis.
Precision Thermometer & Instrument Co., 1434 Brandywine, Philadelphia, Pa.

15507c—Thermometers (For Water Circulation)

FOXBORO COMPANY, THE ("Foxboro"), Foxboro, Mass.
See adv index at end of book
Metalware Corp. ("Motor Eye"), 3819 N Ashland, Chicago, Ill.
Moeller A. E. ("AEM," "Autostat"), 261 Sumpter, Brooklyn, N. Y.
Moto-Meter Co. Inc. ("Boyce"), 15 Wilbur, Long Island City, N. Y.
National Gauge & Equipment Co. ("Radi-Meter"), La Crosse, Wis.
Precision Thermometer & Instrument Co., 1434 Brandywine, Philadelphia, Pa.
Protexometer Mfg. Co. ("Protexometer"), Camden, N. J.

15508—Thermometers (Heating)

American Schaeffer & Budenberg Corp. ("Crescent"), Berry & S 5th, Brooklyn, N. Y. *See adv index at end of book*
Beaton & Caldwell Mfg. Co. ("Perfection"), New Britain, Conn.
BRISTOL CO. ("Bristol's" Recording), Waterbury, Conn.
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Brown Instrument Co., 4522 Wayne av, Phila., Pa.
Crosby Steam Gauge & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
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See adv index at end of book

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National Gauge Co., 300 Pacific, B'klyn, N. Y.

POWERS REGULATOR CO., 2773 Greenview av, Chicago, Ill.
See adv index at end of book

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Queen-Gray Co. (Hot Water), 64-70H W Johnson, Phila., Pa.

Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.

Taylor Instrument Companies, Rochester, N. Y.

U. S. Gauge Co. (House—Investigate Our Vitreous Enamel Thermometer with the Tube Protector Slotted Shell), 67 Wall, New York
See adv index at end of book

Weinhagen & Hespe, 159 Leonard, New York

15509—Thermometers (Hot Bed)

Brown Instrument Co., 4522 Wayne av, Phila., Pa.

POWERS REGULATOR CO., 2773 Greenview av, Chicago, Ill.
See adv index at end of book

Precision Thermometer & Instrument Co., 1434 Brandywine, Phila., Pa.

Taylor Instrument Companies, Rochester, N. Y.

Weinhagen & Hespe, 159 Leonard, New York

Thermometers (Hot Water)

See Thermometers, Steam & Hot Water

15510—Thermometers (Hot Well)

American Schaeffer & Budenberg Corp. ("Columbia" Recording & "Crescent" Indicating), Berry & S 5th, Brooklyn, N. Y. *See adv index at end of book*

BRISTOL CO. ("Bristol's" Recording), Waterbury, Conn.
See adv index at end of book

Brown Instrument Co., 4522 Wayne av, Philadelphia, Pa.

FOXBORO COMPANY, THE ("Foxboro"), Foxboro, Mass.
See adv index at end of book

Precision Thermometer & Instrument Co., 1434 Brandywine, Philadelphia, Pa.

15511—Thermometers (Incubator)

American Thermo-Ware Co., 16 Warren, New York

Chaney Mfg. Co., Dept. H, Springfield, O.

Elmer & Amend 205 E 18th, New York

Freas Francis L., Conshohocken, Pa.

Green Henry J., 1191 Bedford av, Brooklyn, N. Y.

New York Thermometer Co. (Bacteriological), 36 E 23d, New York

Pierce Butler & Pierce Mfg. Corp., 437 E 162nd, New York City

POWERS REGULATOR CO., 2773 Greenview av, Chicago, Ill.
See adv index at end of book

Precision Thermometer & Instrument Co., 1435 Brandywine, Phila., Pa.

Tagliabue C. J. Mfg. Co., 20H 33d, Brooklyn, N. Y.

Taylor Instrument Companies ("Tycos"), Rochester, N. Y.

Weinhagen & Hespe, 159 Leonard, New York

Wilder-Pike Thermometer Co. ("Wilder"), 552H Fulton, Troy, N. Y.

15511a—Thermometers (Oil & Water Circulation)

POWERS REGULATOR CO., 2773 Greenview av, Chicago, Ill.
See adv index at end of book

Thermometers (Optical)

See Pyrometers

15512—Thermometers (Oven)

American Schaeffer & Budenberg Corp. ("Crescent"), Berry & S 5th, Brooklyn, N. Y. *See adv index at end of book*

Brown Instrument Co., 4522 Wayne av, Philadelphia, Pa.

Chaney Mfg. Co., Dept. H, Springfield, O.

Cooper Oven Thermometer Co. ("Cooper," "Whittier"), Pequabuck, Conn.

Elmer & Amend, 205 E 18th, New York

Elec. Appliance Mfg. Co. ("Best Ever"), Dept. H, Waterbury, Conn.

FOXBORO COMPANY, THE ("Foxboro"), Foxboro, Mass.
See adv index at end of book

Pierce Butler & Pierce Mfg. Corp., 437 E 162nd, New York City

PRECISION THERMOMETER & INSTRUMENT CO., 1434 Brandywine, Phila., Pa.

Tagliabue C. J. Mfg. Co., 20H 33d, Brooklyn, N. Y.

Taylor Instrument Companies, Rochester, N. Y.

Wilder-Pike Thermometer Co. ("Wilder"), 552H Fulton, Troy, N. Y.

Zaubitz August ("Zaubitz"), 95 Cliff, N. Y.

15513—Thermometers (Recording)

American Schaeffer & Budenberg Corp. ("Columbia" for all Purposes & Temperatures up to 1000 Deg. F.), Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book

BRISTOL CO. ("Bristol's" Liquid Vapor-Tension Gas Filled), Waterbury, Conn.
See adv index at end of book

BROWN INSTRUMENT CO., 4522 Wayne av, Philadelphia, Pa.

Denver Fire Clay Co., 1746 Champa, Denver, Colo.

Draper Mfg. Co., 45 Warren, New York

FOXBORO COMPANY, THE ("Foxboro"), Foxboro, Mass.
See adv index at end of book

Green Henry J., 1191 Bedford av, Brooklyn, N. Y.

Leeds & Northrup Co., 4901H Stenton av, Phila., Pa.

Tagliabue C. J. Mfg. Co. ("Tag"), 20H 33d, Brooklyn, N. Y.

Taylor Instrument Companies ("Tycos"), Rochester, N. Y.

Thwing Instrument Co., 3339 Lancaster av, Phila., Pa.

Weinhagen & Hespe, 159 Leonard, New York

15514—Thermometers (Resistance)

Brown Instrument Co., 4522 Wayne av, Phila., Pa.

Engelhard Chas. ("Englehard"), 30 Church, New York

Leeds & Northup Co., 4901 Stenton av, Phila., Pa.

Pyrolectric Instrument Co., Trenton, N. J.

Queen-Gray Co., 64-70H W Johnson, Phila., Pa.

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Taylor Instrument Co. ("Tycos"), 95 Ames, Rochester, N. Y.

Thwing Instrument Co., 3339 Lancaster av, Phila., Pa.

Weinhagen & Hespe, 159 Leonard, New York

15515—Thermometers (Shower Bath)

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Pierce Butler & Pierce Mfg. Corp., 437 E 162nd, New York City

Precision Thermometer & Instrument Co., 1435 Brandywine, Phila., Pa.

Tagliabue C. J. Mfg. Co., 20H 33d, Brooklyn, N. Y.

Taylor Instrument Companies ("Tycos"), Rochester, N. Y.

Weinhagen & Hespe, 159 Leonard, New York

15516—Thermometers (Steam & Hot Water)

See also Thermometers, Heating

AMERICAN SCHAEFFER & BUDENBERG CORP. ("Columbia" Recording), Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book

BRISTOL CO ("Bristol's" Recording), Waterbury, Conn.
See adv index at end of book

Brown Instrument Co., 4522 Wayne av, Phila., Pa.

Chaney Mfg. Co. (Hot Water), Dept. H, Springfield, O.

FOXBORO CO. (THE), ("Foxboro"), Foxboro, Mass. *See adv index at end of book*

Green Henry J., 1191 Bedford av, Brooklyn, N. Y.

Marsh Jas. P. & Co., 120 S Clinton, Chicago, Ill.

National Gauge Co., 300 Pacific, Brooklyn, N. Y.

Pierce, Butler & Pierce Mfg. Corp., 437 E 162nd, New York City

Popkin Bros. Co., Inc., 267-71 Wyckoff, Brooklyn, N. Y.

POWERS REGULATOR CO., 2773 Greenview av, Chicago, Ill.
See adv index at end of book

PRECISION THERMOMETER & INSTRUMENT CO., 1434 Brandywine, Phila., Pa.

Standard Thermometer Co., 65 Shirley, Boston, Mass.

Tagliabue C. J. Mfg. Co., 20H 33d, Brooklyn, N. Y.

Taylor Instrument Companies, Rochester, N. Y.

Weinhagen & Hespe, 159 Leonard, New York

Wilder-Pike Thermometer Co., 552 Fulton, Troy, N. Y.

15517—Thermometers (Steel Tube, Mercury Filled)

American Schaeffer & Budenberg Corp. ("Reform"), Berry & S 5th, Brooklyn, N. Y. *See adv index at end of book*

15518—Thermometers (Sugar)

Brown Instrument Co., 4522 Wayne av, Phila., Pa.

FOXBORO CO. (THE), ("Foxboro"), Foxboro, Mass. *See adv index at end of book*

POWERS REGULATOR CO., 2773 Greenview av, Chicago, Ill.
See adv index at end of book

PRECISION THERMOMETER & INSTRUMENT CO., 1434 Brandywine, Phila., Pa.

Tagliabue C. J. Mfg. Co., 20H 33d, Brooklyn, N. Y.

Wilder-Pike Thermometer Co. ("Wilder"), 552H Fulton, Troy, N. Y.

15519— Thermometers (Transformer)

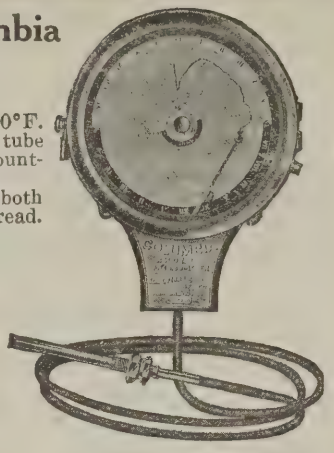
Brown Instrument Co., 4522 Wayne av, Phila., Pa.



Crescent

Thermometers Indicating and Recording

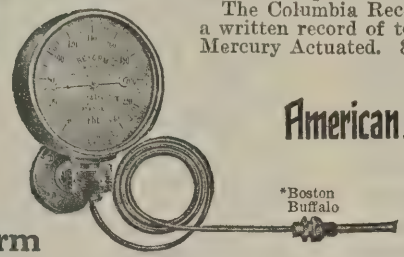
Columbia



For every industrial requirement and any temperature range not exceeding 1000°F. The Reform Mercury Actuated Dial Thermometer has the accuracy of the glass tube Thermometer and the reading convenience of the dial face. Flexible tubing permits mounting dial at point most convenient for reading.

The Columbia Recording Thermometer with the Time Punch gives both a written record of temperatures and a record of how often chart is read. Mercury Actuated. 8" or 12" chart. Many exclusive features.

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Reform

American Schaeffer & Budenberg Corporation

BROOKLYN, N. Y.

*Boston, Buffalo, *Chicago, Cleveland, Detroit, *Los Angeles, Tulsa, Philadelphia, *Pittsburgh, Salt Lake City, *Seattle

*Stock carried at these branches.

Phila. Thermometer Co., 9th & Arch, Phila., Pa.

POWERS REGULATOR CO., 2773 Greenview av, Chicago, Ill.
See adv index at end of book

Precision Thermometer & Instrument Co., 1435 Brandywine, Phila., Pa.

Queen-Gray Co., 64-70H W Johnson, Phila., Pa.

Weinhagen & Hespe, 159 Leonard, New York

15520—*Thermometers (Wet & Dry Bulb, Recording)

Brown Instrument Co., 4522 Wayne av, Phila., Pa.

FOXBORO CO. (THE), ("Foxboro"), Foxboro, Mass. *See adv index at end of book*

Tagliabue C. J. Mfg. Co., 20H 33d, Brooklyn, N. Y.

Thermos Bottles

See Bottles, Vacuum

15521— Thermostats

See also Regulators, Heat

Acton John, 118 John, Brooklyn, N. Y.

Advice Mach. & Mfg. Co., 120 W Ann, Los Angeles, Cal.

American Thermostat Co. ("Marvel"), 226 Jelliff av, Newark, N. J.

Atlas Valve Co. (Room & Industrial), 282 South, Newark, N. J.

Baker Ice Machine Co. (For Regulating Cold Storage Room Temperatures), Omaha, Neb.

Bee Gee Bee Mfg. Co. Stediheat "Elec"), 1242 San Fernando rd, Los Angeles, Cal.

Bishop & Babcock Co. ("B. & B."), 1204 E 35th, Cleveland, O.

Blancke A. C. & Co. (For Carburetors), 602 W Lake, Chicago, Ill.

Brown Instrument Co., 4522 Wayne av, Phila., Pa.

Bunnell J. H. & Co., 32 Park pl, New York

Claus Automatic Gas Cock Co. (Gas Only), Becker & Booth, Milwaukee, Wis.

Combustion Utilities Corp., 8-10 Bridge, New York

Consolidated Car Heating Co. (For Cars, Hotels, Offices, etc), Albany, N. Y.

Cramer R. W. & Co. ("Sauter," "Precision"), 136 Liberty, New York

d'Este Julian Co. ("Curtis"), 36 Canal, Boston, Mass.

Dewey R. E., Grand Rapids, Mich.

Doody Vapor Heating Co., 46 Cornhill, Boston, Mass.

E. & M. Instrument Co. (For Hot Water Heaters), 595 E 27th, Portland, Ore.

Elmer & Amend, 205 E 18th, New York

Elec. Automatic Appliance Co., 1449 Arapahoe, Denver, Col.

Electro-Kold Corp. (For Hot Water Heaters), 151 S Post, Spokane, Wash.

Federal Water Heater Co. ("Gas & Elec."), Olive at 12th, Los Angeles, Cal.

Fire Detecting Wire Co., 2 W 45th, New York

Freas Francis L., Conshohocken, Pa.

FORD ELECTRIC & MFG. CO., 522 S Soto, Los Angeles, Cal.

Gold Car Heating & Lighting Co. (For Cars & Buildings), 220 36th, Broklyn, N. Y.

Heat Control Service Co., Inc., 759 Park pl, Brooklyn, N. Y.

Hoffman Heater Co. (Gas, Water Heaters), Lorain, O.

Jewell Mfg. Co., Auburn, N. Y.

JOHNSON SERVICE CO. (Electric & Pneumatic), 157 Michigan, Milwaukee, Wis.
See adv index at end of book

Kieley & Mueller (For Hot Water Tanks, etc), 34 W 13th, New York

McDonough Automatic Regulator Co., 716-718 Grand River av, Detroit, Mich.

Manhattan Electrical Supply Co., 17 Park pl, New York

MINNEAPOLIS HEAT REGULATOR CO. ("Minneapolis"), 2802 4th av S, Minneapolis, Minn.
See adv index at end of book

Moeller A. E., 263 Sumpter, Brooklyn, New York

National Regulator Co. (For Control of Dampers & Valves in a Heating Apparatus), 2301 Knox av, Chicago, Ill.

New York Brass Foundry Co., 403 Broome, New York

Pacific Mfg. & Elec. Co. ("Everhot"), 206 N Los Angeles, Los Angeles, Cal.

Payne Furnace & Supply Co. ("Minneapolis"), 154-162 N Los Angeles, Los Angeles, Cal.

POWERS REGULATOR CO., 2773 Greenview av, Chicago, Ill.
See adv index at end of book

Powers Thermostats for Temperature Control of Offices, Factories, Schools, Residences, Theatres, Etc.

See advertisement adjacent to Regulators for description.

POWERS REGULATOR CO.
2773 Greenview Avenue Chicago

Precision Thermometer & Instrument Co., 1435 Brandywine, Phila., Pa.

Queen-Gray Co., 64-70H W Johnson, Phila., Pa.

Railway Utility Co. ("Utility" Electric), 721 Fulton, Chicago, Ill.

Ray W. S. Mfg. Co., 118 New Montgomery, San Francisco, Cal.

Robertshaw Mfg. Co. (Gas, Water Heater Thermostats), Youngwood, Pa.

Rolf Heater Mfg. Co., Columbus, O.

Sarco Co., Inc., 14 Park pl, New York

Standard Regulator Co., 282 South, Newark, N. J.

Standard Thermometer Co., 65 Shirley, Boston, Mass.

Tagliabue Chas. J. Mfg. Co., 18 33d, Brooklyn, N. Y.

Tepco Mfg. Co., 244 Hawthorne av, Portland, Ore.

Thwing Instrument Co., 3339 Lancaster av, Phila., Pa.

Virkant H. C., Tarrytown, N. Y.

Western Electro-Mechanical Co., 461 1st, Oakland, Cal.

Wilgus Mfg. Co. (For Crude Oil Burners), 229 Boyd, Los Angeles, Cal.

WILSON H. A. CO. ("Wilco" Heat Controlling Devices), 99 Chestnut, Newark, N. J.

Wolverine Temperature Regulator Co., Marshall, Mich.

Yoder-Thomas Mfg. Co. ("Wentz"), Engineers bldg, Cleveland, O.

15522—Thickeners (Carbon)

Oliver Continuous Filter Co. (For Gas Works), 503 Market, San Francisco, Cal. & 33 W 42nd, New York

Wolvertine Temperature Regulator Co. 125 Exchange, Marshall, Mich.

15523—Thickeners (Continuous)

Colorado Iron Works Co. ("Rothwell"), Denver, Colo.

Dorr Co. ("Dorr"), Denver, Colo.

Oliver Continuous Filter Co. (Automatic Shine), 503 Market, San Francisco, Cal. & 33 W 42nd, New York

Vandercook A. E. Engineering Co., 621 California, Sacramento, Cal.

15523a—Thickeners (Slime)

Chalmers-Williams Mfg. Co., 1461 Arnold, Chicago Heights, Ill.

Conklin H. R., Joplin, Mo.

Dorr Co., Denver, Colo.

National Tank & Pipe Co., Portland, Ore.

Oliver Continuous Filter Co., 503 Market, San Francisco, Cal., & 33 W 42nd, New York

Traylor Engineering & Mfg. Co., Allentown, Pa.

Vandercook A. E. Engineering Co., 621 California, Sacramento, Cal.

15523b— Thickeners (Tray)

Dorr Co., Denver, Colo.

15524— Thiefs (Measuring)

Kraft A. C. (Liquor), 323 W Lake, Chicago, Ill.

U. S. Bottlers' Machinery Co. ("Taylor"), 2511 Park, Chicago, Ill.

15525—Thimbles (Chimney)

Chattanooga Sewer Pipe Works, W 11th & Cross, Chattanooga, Tenn.

Columbus Sewer Pipe Co., Columbus, Ga.

Dickey W. S. Clay Mfg. Co., Kansas City, Mo.

Indiana Foundry Co., Dept. H, Indiana, Pa.

Macomb Sewer Pipe Works, Macomb, Ill.

Macon Sewer Pipe Works, Macon, Ga.

Ogden Sewer Pipe & Clay Co., Ogden, Utah

San Antonio Sewer Pipe Works, San Antonio, Tex.

Southern Sewer Pipe Works, Birmingham, Ala.

Standard Sewer Pipe Works, Rome, Ga.

Sterling Fdry. Co. ("The Best"), Sterling, Ill.

Texarkana Pipe Works, Texarkana, Texas

Weber & Kirch Mfg. Co., Keokuk, Ia.

15525a—Thimbles (Extraction)

See also Shells, Extraction

Norton Co., Barbers Crossing, Worcester, Mass.

15526— Thimbles (Floor)

American Foundry & Mfg. Co. ("American," "Sanders" Adjustable), 11th & Hebert, St. Louis, Mo.

Grabler Mfg. Co., Cleveland, O.

Thimbles (Guy)

See Thimbles (Wire Rope)

15527— Thimbles (Last)

Boston Pressed Metal Co., 170 Union, Worcester, Mass.

15527a—Thimbles (Lead—for Insulator Pins)

Hubbard & Co., 63d & Butler, Pittsburgh, Pa.

15527b—Thimbles (Locomotive Boiler)

Warren J. M. & Co., Troy, N. Y.

15527c—Thimbles (Separable—for Insulator Pins)

Hubbard & Co., 63d & Butler, Pittsburgh, Pa.

15528— Thimbles (Sewing)

Ansonia Novelty Co. ("Anco" Aluminum Steel, Brass, Nickel Silver & Silver Plated), 285 Main, Ansonia, Conn.

Celluloid Co., 36 Washington, New York

(Continued on following page)

Thimbles (Sewing)—Continued

Goldsmith Stern & Co., (Gold, Silver), 33 Gold, New York
Illinois Pure Aluminum Co. (Aluminum), Lemont, Ill.
Ketcham & McDougall (Gold & Silver), 15 Maiden la, New York
SCOVILL MFG. CO., Waterbury, Conn.
See adv index at end of book
Simons Bros. Co. (Gold & Silver), 2d & Dock, Philadelphia, Pa.
U. S. Needle Concern (Steel & Silver), 912 W Madison, Chicago, Ill.
Waite-Thresher Co., Abbott Park pl, Providence, R. I.
Webster Co., North Attleboro, Mass.
Whiting F. M. & Co. (Gold & Silver), N Attleboro, Mass.

15529-30—Thimbles (Stove Pipe)

Bretch A., 20 Stone, Dayton, O.
Deshler Mail Box Co., Deshler, O.
Eclipse Metal Mfg. Co. ("Eclipse"), Eden, N. Y.
Frantz Mfg. Co., Sterling, Ill.
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Hemp & Co., Vandeventer nr Shaw, St. Louis, Mo.
Hessler H. E. Co., Syracuse, N. Y.
Lalance & Grosjean Mfg. Co. ("Royal"), 299 B'way, New York
Landers W. H. Co., Syracuse, N. Y.
Lawrence Bostwick Mfg. Co. (Ltd.), Phelps, N. Y.
Majestic Co. (Stove Pipe & Cast Iron Flue Thimbles), 610 Erie, Huntington, Ind.
Peoria Can Co., Peoria, Ill.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Reeves Mfg. Co., Dover, O.
Sanitary Co., Dept. H, Linfield, Pa.
Stearns E. C. & Co. ("McGuire," "Star"), 450 Oneida, Syracuse, N. Y.

15531—Thimbles (Wire Rope)

American Hoist & Derrick Co., St. Paul, Minn.
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Broderick & Bascom Rope Co. (Jobbers), 805 N Maine, St. Louis, Mo.
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Durable Wire Rope Co., 93 Pearl, Boston, Mass.
Fischer & Hayes Rope & Steel Co., 816 W Erie, Chicago, Ill.
See adv index at end of book
Hallett Iron Works, Harvey, Ill.
Harrison Electric Co., 1088 DeKalb av, Brooklyn, N. Y.
Hazard Mfg. Co., Wilkes-Barre, Pa.
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
Laughlin Thos. Co. (Steel Also for Manila), 135 Fore, Portland, Ore.
See adv index at end of book
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
Macwhyte Co. ("Macwhyte"), Kenosha, Wis.
Marine Hardware-Equip. Co., S Portland, Me.
Neptune Hardware Mfg. Co., 80 Warren, New York
Upson-Walton Co., The, 1100 W 11th, Cleveland, O.
Wickwire Spencer Steel Corp., 41 E 42d, New York *See adv index at end of book*
Wilcox, Crittenden & Co. Inc. (Also for Manila Rope), 444 S Main, Middletown, Conn. *See adv index at end of book*

THIMBLES

Solid Thimbles in Galvanized Iron for use in ship's rigging in sizes ½ to 1⅞ inches width of score. Open Thimbles for Manila Rope in sizes ⅜ to 4 inches width of score. Wire Rope Thimbles for construction work, standing, rigging, etc. Regular in sizes ¼ to 3 inches width of score. Extra Heavy Wire Rope Thimbles in sizes ¼ to 2 inches width of score. Larger sizes to order. Yacht Wire Rope Thimbles for rigging where small eye is required. Wire Rope Thimbles left open for Telephone and Telegraph line construction in sizes ½ to 1 inch width of score. All Galvanized by Durable Hot Process.

Wilcox, Crittenden & Co., Inc.
444 So. Main St.
MIDDLETOWN, CONN.

WILLIAMSPORT WIRE ROPE CO., Williamsport, Pa.
See adv index at end of book

15531a— Thiocarbanilide

National Aniline & Chemical Co., 21 Burling Slip, New York
Naugatuck Chemical Co., Naugatuck, Conn.
Semet-Solvay Co., Syracuse, N. Y.

15532-3—Third Rail Block System

Simplex Surface Contact Co., ft. of Locust, Williamsport, Pa.
Westinghouse Electric & Mfg. Co., E. Pittsburgh, Pa. *See adv index at end of book*

15533a— Thorium

Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book

15534— Thorium Nitrate

Block Gas Mantle Co., Youngstown, Ohio
Hummel & Robinson, 90 West, New York
Pfaltz & Bauer ("Swan," Imp.), 300 Pearl, New York

15535-6— Thread (Cotton)

American Thread Co., 260 W B'way, New York
Amherst Mfg. Co. (Mercerized), Amherst, Mass.
Ballou Thread Co. (Shoe), 189 Charles, Providence, R. I.
Barrows Mfg. Co. (Glazed Spool Cotton), Lansdale, Pa.
Bay State Thread Works, 15 Mill, Springfield, Mass.
Bemis Bro. Bag Co. (Union Special Machine), 601 S 4th, St. Louis, Mo.
Bibb Mfg. Co. (2, 3 & 4 Cord Spool Cotton), Macon, Ga.
Blodgett & Orswell Co. ("John J. Clark's" Spool Cotton, "B. & O." Threads), Pawtucket, R. I.
Boas Thread Co. (Spool), Stamford, Conn.
Bullard W. H. Thread Co. (For the Trade), Holyoke, Mass.
Cairo Thread Works 105 Wooster New York
Central Mills Co. Southbridge, Mass.
Chadwick J. & Bros., ft Sembeck av, Jersey City, N. J.
Clark Thread Co. ("O. N. T." Spool), Clark, Newark, N. J.
Coats J. & P., Pawtucket, R. I.
Cranska Thread Co., 49 Hermon, Worcester, Mass.
Ederer R. J. Thread Co., Elizabeth & Unity, Phila., Pa.
Elizabeth Mills, Hills Grove, R. I.
Florence Thread Co., Florence, N. J.
Gray S. & Co., Walpole, Mass.
Hall, Gardiner Jr. & Co. (Spool), S Willington, Conn.
Lawton Spinning Co., Woonsocket, R. I.
Locke H. E. & Co. Inc., 99 Chauncey, Boston, Mass.
Meyer J. C. & Co. (For Mfg. Trades), Lowell, Mass.
Moore C. & Co., 506 Market, Phila., Pa.
Niagara Thread Co. (Glazed & Mercerized **Sewing & Seaming), Ontario & Janney, Philadelphia, Pa.**
Ninigret Co., Pawtucket, R. I.
Pelham Mills (In Balls), Pelham, S. C.
Pollack Max & Co. (Mercerized & Spool), 12 E 22nd, New York
Roxbury Shoe Thread Co. (Shoe), 35 Wormwood, Boston, Mass.
Slater W. A. Mills, Jewett City, Conn.
Spool Cotton Co. (Selling Agents) (Sewing for Household Use & Mfrs.), 315 4th av, New York
Standard Thread Co., 292 Av B, New York
Summit Thread Co. (Spool), 103 Bedford, Boston, Mass.
Union Thread Co., 69 & Big 4 R. R.-Carthage, Cincinnati, O.
Wachusett Thread Co., Middle River rd, Worcester, Mass.
Warren W. Thread Works, Westfield, Mass.

15537— Thread (Linen)

Barbour Flax Spinning Co., Paterson, N. J.
Barbour J. E. Paterson, N. J.
Ederer R. J. Thread Co. ("Keystone"), Elizabeth & Unity, Phila., Pa.
Moore C. & Co., 506 Market, Phila., Pa.
Smith & Dove Mfg. Co., Andover, Mass.
West End Thread Co. (Shoe, Bookbinders' Carpet, etc), Millbury, Mass.

15538— Thread (Rubber)

Easthampton Rubber Thread Co. (Para Rubber), Easthampton, Mass.
Goodrich B. F. Co., Akron, O.
Gorse F. W. Co., Needham Heights, Mass.
Mechanical Fabric Co., 40 Sprague, Providence, R. I.
Revere Rubber Co., Chelsea, Mass.

15539— Thread (Shoe)

Ballou Thread Co. (Cotton), 189 Charles, Providence, R. I.
Cable Flax Mills, Schaghticoke, N. Y.
Meyer J. C. & Co. (Silk Finish), Lowell, Mass.
Roxbury Shoe Thread Co. (Cotton), 35 Wormwood, Boston, Mass.
Smith & Dove Mfg. Co. (Flax), Andover, Mass.
West End Thread Co. (Linen), Millbury, Mass.

15540— Thread (Silk)

Adams D. E. Co., 225 5th av, New York
Belding Bros. & Co., 902 B'way, New York
Berkshire & Becket Silk Co., Becket, Mass.
Boas Thread Co. (Spool), Stamford, Conn.
Champion Silk Co., Pottstown, Pa.
Corticelli Silk Co., Florence, Mass.
Crane Bros., Kingston, Pa.
De Witt Boag Co., Hornell, N. Y.
Eureka Silk Mfg. Co., Putnam, Conn.
Globe Silk Works, 464-484 Congress, New Haven, Conn.
H. K. H. Silk Co. (Sewing, Embroidery, Knitting, etc, also Special Silk for Mfrs), Watertown, Conn.
Hammond, Knowlton & Co., Putnam, Conn.
Hanks O. G. & Co., Mansfield Center, Conn.
Heineman O., Corp. (Silk Floss), Insulating Silk, etc), 2701 Armitage av, Chicago, Ill.
Heminway & Bartlett Silk Co. (Sewing, Embroidery, etc; also Special Silks for Mfrs), Watertown, Conn.
Holland Mfg. Co., Willimantic, Conn.
Meyer J. C. & Co., Lowell, Mass.
Ontario Thread Co., 121 W 17th, New York
Ramsey J. & Sons, Phillipsburg, N. J.
Rice A. H. Co., Pittsfield, Mass.
Richardson Silk Co., 309 W Adams, Chicago, Ill.
Thairwall Wm. C. & Co., 504 Albany, Boston, Mass.
Warehouse Point Silk Co., Warehouse Point, Conn.
Warren W. Thread Works (Sewing, etc), Westfield, Mass.
Winsted Silk Co., Winsted, Conn.

15541— Threaders (Needle)

Roeti-Hunt Corp. ("Ezi"), Putnam, Conn.

15542—Threaders (Wire Rod)

Goodell-Pratt Co. (Can Be Held in Any Vise), Greenfield, Mass.

15543— Threads (Screw)

Jencks E. Mfg. Co. (Machine & Wood, Chased Cut or Rolled, Gimlet Pointed) Worcester, Mass.

15544—Thresher Feeders & Blowers

Maytag Co. (Feeders Only), Newton, Ia.

15545— Threshers

Advance Rumely Co. ("Advance" "Gear Scott"), Madison & Lincoln Way, La Porte, Ind.
Avery Co. ("Yellow-Fellow"), Peoria, Ill.
Baker A. D. Co. ("Baker"), Swanton, O.
Belle City Mfg. Co. ("Belle City," "New Racine"), Racine, Wis.
Buffalo Pitts Co., 27 Carolina, Buffalo, N. Y.
Campbell S. K. Co., Central Bridge, N. Y.
Cardwell Machine Co. (Rice, etc), 1900 E Cary, Richmond, Va.
Case J. I. Threshing Machine Co., Dept. H, Racine, Wis.
Clark Machine Co. (Grain), St. Johnsville, N. Y.
Climax Corp. ("Batavia" Grain), Dept. H, Batavia, N. Y.
Colonial Fireplace Co. (Iron, Brass or Marble), 4631 W 12th, Chicago, Ill.
Conner J. W. & Son ("Favorite," Thresher), Orangeville, Pa.
Doylestown Agricultural Co., Doylestown, Pa.
Ellis Keystone Agricultural Works ("Ellis Champion" Thresher & Cleaner), Pottstown, Pa.
Emerson Brantingham Implement Co. ("E. B. Geisers," "E. B. Reeves," "Peerless," "Reeves," "Geiser Peerless"), Rockford, Ill.
Farquhar A. B. Co., Ltd. ("Farquhar" Grain, Clover & Rice), York, Pa.
Frick Co. ("Frick"), Waynesboro, Pa.
Garden City Feeder Co., Pella, Ia.
Gill W. E. (Corn & Oats Separators), Lake Geneva, Wis.
Harder Mfg. Co., Cobleskill, N. Y.
Harrison Machine Works ("New Great Western"), Belleville, Ill.
HEEBNER & SONS ("Little Giant" & "Pennsylvania"), Lansdale, Pa.
Huber Mfg. Co. ("Western Special"), Marion, O.
Illinois Thresher Co., Sycamore, Ill.
International Harvester Co. ("McCormick-Deering" "New Racine"), Harvester bldg, Chicago, Ill.
Keck-Gonnermann Co., Mount Vernon, Ind.
Messinger Mfg. Co. (Thresher, Separator & Cleaner), Tatamy, Pa.
Minneapolis Steel & Machy Co. (All Steel), **29th & Minnehaha, Minneapolis, Minn.**
Minneapolis Threshing Machine Co., Hopkins, Minneapolis, Minn.
Nichols & Shepard Co., Battle Creek, Mich.
Parlin & Orendorff Co., Canton, Ill.
Port Huron Engine & Thresher Co., Port Huron, Mich.
Quick & Thomas, Auburn, N. Y.
Russell & Co., Massillon, O.
Star Mfg. Co. (Corn), Carpentersville, Ill.
Sproul Matt Co., Sparta, Ill.
Success Mfg. Co. (Pea & Bean), Dept. H, Spokane, Wash.

Swayne, Robinson & Co., Richmond, Ind.
Westinghouse Co. ("Westinghouse" Grain & Straight Straw), Schenectady, N. Y.
Wood Bros. Thresher Co., Des Moines, Ia.

15546—Threshers (Bean & Pea)

Buffalo-Pitts Co. (Threshers & Cleaners), 27 Carolina, Buffalo, N. Y.
Climax Corp. ("Bilwell"), Dept. H, Batavia, N. Y.
HEEBNER & SONS, Lansdale, Pa.
Koger Pea & Bean Thresher Co., Morristown, Tenn.
Owens J. L. Co., Fulton & S E Huron, Minneapolis, Minn.
Southern Implement Mfg. Co., Dept. H, Columbus, Ga.
Stopple W. H., Dallas, Tex.
Woodruff Machinery Mfg. Co., Winder, Ga.

15547— Threshers (Corn)

Port Huron Engine & Thresher Co., Port Huron, Mich.

15548— Threshers (Rice)

Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Emerson-Brantingham Co. ("Reeves," "Geiser"), Rockford, Ill.
Farquhar A. B. Co. Ltd. ("Farquhar"), York, Pa.
Harrison Mach. Wks. ("Belleville"), Belleville, Ill.
HEEBNER & SONS, Lansdale, Pa.
Swayne, Robinson & Co. ("Money-Maker") Richmond, Ind.

15549—Threshers (Straw Preserving & Rye)

Eddy W. Plow Co., Greenwich, N. Y.
Harder Mfg. Co. (Rye Thresher, Cleaner & Binder Combined), Cobleskill, N. Y.
Port Huron Engine & Thresher Co., Port Huron, Mich.
Westinghouse Co., Schenectady, N. Y.

15550—Threshers & Cleaners (Peanut)

Cardwell Mach. Co. ("Creasey"), 1900 E Cary, Richmond, Va.
Ellis Keystone Agrl. Works, Pottstown, Pa.
HEEBNER & SONS, Lansdale, Pa.
Southern Implement Mfg. Co., Dept. H, Columbus, Ga.

15551— Thresholds

Am. Abrasive Metals Co., 50 Church, New York
American Safety Lamp & Mine Supply Co. (Brass), 1327 Capouse av, Scranton, Pa.
Badger Wire & Iron Works (Brass), 25th av & Cleveland, Milwaukee, Wis.
Brassco Mfg. Co., 5029 S Wabash av, Chicago, Ill.
Colonial Fireplace Co. (Brass Cast Iron), 4619 Roosevelt rd, Chicago, Ill.
COLUMBUS BRASS CO. (Cast Brass), 620 Dublin av, Columbus, O.
See adv index at end of book
Columbus Wire & Iron Works Co., Columbus, O.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
Hester Mfg. Co. (Brass), 1455 S Michigan av, Chicago, Ill.
Illinois Bronze & Stamping Co., 917 S Keeler, Chicago, Ill.
Kawneer Co., 1226 Front, Niles, Mich.
Lasar Mfg. Co. (Bronze & Iron), 16th & O'Fallon, St. Louis, Mo.
Newman Mfg. Co. (Brass, Bronze), 420 Elm, Cincinnati, O.
Safety Stair Tread Co., Wooster, O.
St. Louis Brass Mfg. Co. (Cast Brass or Bronze), Jefferson & Washington, St. Louis, Mo.
Structural Slate Co., The, 101 Marietta, Pen Argyl, Pa. (With Natural Slate Blackboard Co., Pen Argyl)
See adv index at end of book
Turner Brass Works, Sycamore, Ill.
TYLER W. S. CO., Cleveland, O.
See adv index at end of book
Wisconsin Iron & Wire Wks. (Metal, Elevator), Milwaukee, Wis.

15552— *Throttles for Generator Valve

LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
See adv index at end of book

15552a— Thymol

Chiris Antonine Co., 147 Waverly, New York
Greeff R. W. & Co., 73 Front, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Riddle Chemical Co. (Crystals), 35 S Dearborn, Chicago, Ill.
See adv index at end of book
Verona Chemical Co., No. Newark, N. J.

15553— Ticket Choppers & Destroyers

See also Boxes, Ticket Cancelling

Newman Mfg. Co. (Brass & Wood), 420 Elm, Cincinnati, O.

15554— Tickets (Pin)

Dancyger Safety Pin Ticket Co., 4707 Detroit, Cleveland, O.
Eastern Pin Ticket & Tag Co., Perkasie, Pa.
Eisler Anthony & Co. (Also Folding), 227 Canal, New York
Kimball A. Co., 307 W B'way, New York
Noesting Pin Ticket Co. ("Harmless"), Mt. Vernon, N. Y.

15554a— Tickets (Price)

Dennison Mfg. Co., 26H Franklin, Boston, Mass.
Shuman Frank G. Co., 216H N Clinton, Chicago, Ill.
Tablet & Ticket Co., 1021 W Adams, Chicago, Ill.

15554b— Tickets & Tokens

SCOVILL MFG. CO., Waterbury, Conn.
See adv index at end of book
WATERBURY BUTTON CORP. (Metal), 331 South Main, Waterbury, Conn.
See adv index at end of book

15555—Tickets & Transfers (Street Railway)

California Ticket Co., 911 E 7th, Los Angeles, Cal.
Globe Ticket Co. (Theatre, Amusement, etc.), 112 N 12th, Phila., Pa.
Hamilton Bank Note Engraving & Printing Co., 142 Adams, Brooklyn, N. Y.
International Ticket Co., 50H Grafton av, Newark, N. J.
Keller Printing Co. (Tickets Only), 295 Lafayette, New York
National Ticket Co., Shamokin, Pa.
National Ticket Co., 205 St. Clair av, N E, Cleveland, O.
Ohmer Fare Register Co., Dayton, O.
Reyburn Mfg. Co. (Tickets Only), 32d & Allegheny av, Phila., Pa.
Security Bank Note Co., 223 Chestnut, Philadelphia, Pa.
Stromberg, Allen & Co., 430 S Clark, Chicago, Ill.

15556— Tickings

Amoskeag Mfg. Co., Manchester, N. H.
Columbian Mfg. Co., Greenville, N. H.
Conestoga Steam Cotton Mills, Lancaster, Pa.
Cordis Mills, Millbury, Mass.
Crown Cotton Mills, Dalton, Ga.
Delgado Mills, Wilmington, N. C.
Eagle & Phenix Mills, Columbus, Ga.
Enterprise Cotton Mills, Enterprise, Ala.
Erwin Cotton Mills Co., West Durham, N. C.
Falls Co., Norwich, Conn.
Gary J. S. & Son, American bldg, Baltimore, Md.
Globe Cotton Mills, Augusta, Ga.
Greeno C. L. Co., 325 Main, Cincinnati, O.
Griffin Mfg. Co., Griffin, Ga.
Hamilton Mfg. Co. 77 Franklin, Boston, Mass.
Hettrick Mfg. Co., Toledo, O.
High Shoals Mfg. Co., High Shoals, Ga.
Holt-Williamson Mfg. Co., Fayetteville, N. C.
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Kincaid Mfg. Co., Griffin, Ga.
Kneedler & Co., Eadon & Kennedy, Fkd., Phila., Pa.
Lexington Mfg. Co., Lexington, S. C.
Locke Cotton Mills Co., Concord, N. C.
Lynchburg Cotton Mills, Lynchburg, Va.
Manchester Cotton Mills, Rock Hill, S. C.
Massachusetts Cotton Mills, Exchange bldg, Boston, Mass.
Middleburg Mills, Columbia, S. C.
Montgomery Cotton Mills, Montgomery, Ala.
Muscogee Mfg. Co., Columbus, Ga.
Oakland Mills, Taunton, Mass.
Pelham Mfg. Co., Pelham, Ga.
Putnam Mills & Power Co., Eatonton, Ga.
Shetucket Co., Greenville, Conn.
Sylvan Cotton Mills, Shelbyville, Tenn.
Tallassee Falls Mfg. Co., Tallassee, Ala.
Tombigbee Cotton Mills, Columbus, Miss.
Whitaker Wm. D., Cedar & Grove, Phila., Pa.
White Bros., Winchendon Springs, Mass.
Wiggins H. B. Sons Co., Bloomfield, N. J.
Willingham Cotton Mills, Macon, Ga.

15557—Tie-Bars (Stub-Switch)

Cincinnati Frog & Switch Co., Madison rd & B. & O. R. R., Cincinnati, O.
Morden Frog & Crossing Works, 208 S La Salle, Chicago, Ill.
Nelson Iron Works, Spokane, Wash.
Wharton Wm. Jr. & Co., Inc., Easton, Pa.

15557a— Tiers (Meat)

Osborne C. S. & Co., Box 183, Newark, N. J. *See adv index at end of book*

15558— Ties (Bale)

Acme Steel Goods Co., 2834 Archer av, Chicago, Ill.
AMERICAN STEEL & WIRE CO. ("American"), 208 S La Salle, Chicago, Ill.
See adv index at end of book
Belmer H. Co., 628 W 3d, Cincinnati, O.
Bethlehem Steel Co., Bethlehem, Pa.
Blakeslee G. S. & Co., W 19th & S 52d av, Cicero, Ill.
Colorado Fuel & Iron Co., Denver, Colo.
CONSOLIDATED STEEL STRAPPING CO. (The Signode System), 2600-20 N Western av, Chicago, Ill.
See adv index at end of book
Crawfordsville Wire & Nail Co., Crawfordsville, Ind.
Des Moines Bale Tie Co. (Hay, Straw & Excelsior), Des Moines, Ia.
Downey W. C. & Co. (Steel Wire), Springfield, O.
Ertel Geo. Co., Quincy, Ill.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Gulf States Steel Co., Birmingham, Ala.
Kilmer M. D. & Co., 6003 Quinby av, Cleveland, O.
See adv index at end of book
Kokomo Bale Tie Co. (Wire, for Hay, Straw & Excelsior), Kokomo, Ind.
Kokomo Steel & Wire Co. (Jobbers, Hay, Straw or Excelsior), Kokomo, Ind.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Nichols Wire & Sheet Co., 21st & Baltimore, Kansas City, Mo.
Roeblings John & Sons Co., Trenton, N. J.
See adv index at end of book
Shelby Wire Co. ("Quality"), Shelby, Ohio
Stanley Works, New Britain, Conn.
Tudor & Jones, Weedsport, N. Y.
Union Steel & Wire Co., Indianapolis, Ind.
Wilson H. P. & H. F. (Steel Wire), 520 Washington, New York

15558a—*Ties (Brass, Cast & Mall Iron)

Larkin J. K. & Co., 253 Broadway, New York *See adv index at end of book*

15559—Ties (Cattle & Horse)

Alexander Halter Factory ("Billet"), Alexandria, O.
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Cooper Otway (Rope), Urbana, O.
Covert Mfg. Co., Troy, N. Y.
Covert Saddlery Works, Interlaken, N. Y.
Gem Hammock & Fly Net Co., 326 Florida, Milwaukee, Wis.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
Rugg E. T. & Co., Newark, O.
Sargent & Co. (Rope), New Haven, Conn.
Workman H. B. Co. (Rope), Lititz, Pa.

15560—Ties (Concrete Steel, Railroad)

Concrete Steel Co., 42 Broadway, New York
Whitehead Co., Farmington, Ill.

15561-2-3— Ties (Cotton)

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Atlantic Steel Co. (Steel), Atlanta, Ga.
Carnegie Steel Co. (Steel), Carnegie bldg, Pittsburgh, Pa.
Colorado Fuel & Iron Co., Denver, Colo.
Connors Steel Co., Birmingham, Ala.
Friedlander Julius & Co., Columbus, Ga.
Pittsburgh Steel Co., 5th av & Grant, Pittsburgh, Pa.
Riverside Mills, Augusta, Ga.
Sharon Steel Hoop Co., Finance bldg, Sharon, Pa.

15564— Ties (Mine)

Bethlehem Steel Co. ("Cambria"), Bethlehem Pa,
Cincinnati Frog & Switch Co., Madison rd & B. & O. R. R., Okley, Cincinnati, O.
Fairmont Mining Machinery Co. ("Ross" Steel), Fairmont, W. Va.
SERFAS LUMBER CO., Drake bldg, Easton, Pa.
Trinchera Timber Co., Chamber of Commerce bldg, Denver, Colo.
West Virginia Lumber Co., First National Bank bldg, Pittsburgh, Pa.

15565—Ties, Poles & Posts

See also Poles, Iron & Steel Trolley; also Lumber Manufacturers

(Continued on following page)

Ties, Poles & Posts—Continued

ALABAMA.

FLORENCE—Richardson Lumber Co. (Cedar Poles)
RUSSELLVILLE—Richardson Lumber Co. (Cedar Poles)

ARKANSAS.

CROSSETT—Crossett Lumber Co.
DERMOTT—Remley Esley P (Ties, etc)
LESLIE—Mays Manufacturing Co. (R. R. Ties)
LITTLE ROCK—Byrd P. A. (Piling, Ties)
PARAGOULD—Bertig Bros. (Ties)
SCHAAL—Odell & Ennis (Ties)
TEXARKANA—National Lumber & Creosoting Co.
WILTON—Cooper E. C. (Ties)

CALIFORNIA.

CASPAR—Caspar Lumber Co. (Redwood Ties)
SAN FRANCISCO—Albion Lumber Co. (Redwood Ties), 582 Market
Byxbee & Clark, Balboa bldg
Caspar Lumber Co. (Ties), Hobart bldg
Grays Harbor Commercial Co.
Hammond William A. Co., 112 Market
Hanify J. R. Co. (Ties), 24 Market
Hooper C. A. & Co. (Ties), Balboa bldg
McCormick Chas. R. & Co., 215 Market
See adv index at end of book
McFaul-Perkins Co. (Ties), Chronicle bldg
Nelson Chas. Co., 320 California
Pacific Lumber Co. (Ties, etc.), 311 California
Pope & Talbot (Piles, Spars, etc), ft of 3d
Port Blakeley Mill Co.
Puget Mill Co. (Piles & Telegraph Poles)
Richardson Co., 320 Market
Union Lumber Co. (Poles & Ties), Crocker bldg
UNITED COMMERCIAL CO., 234 Steuart
White L. E. Lumber Co. (Ties, etc), Balboa bldg
Wood E. K. Lumber C., 1 Drumm

COLORADO.

DENVER—Continental Tie & Lumber Co., Cham. of Comm. bldg

CONNECTICUT.

NEW LONDON—Raymond & Alexander Lumber Co. (Ties & Posts)

DELAWARE.

MILTON—Conwell & Co. (Pine & Oak Piling, Mine Timbers, R.R. Ties, etc)
WILMINGTON—Bush J. D. & Co. (Ties & Piling)

FLORIDA.

CALLAHAN—Jones R. H. (Cross Ties)
JACKSONVILLE—Cook Wm. P. & Co.
KOLOKEE—Holzendorf Geo. W. (Rough Pine Lumber)
TRILBY—Croft T. E. (Cross Ties)

GEORGIA.

ATLANTA—SOUTHERN WOOD PRESERVING CO. (Creosoted Pine)
See adv index at end of book
BROADHURST—Rogers W. C. (Cross Ties)
BRUNSWICK—American Tie & Timber Co.
Bladen Tie & Lumber Co. (Cross Ties)
Joyce Watkins & Co. (Cross Ties)
BURNT FORT—Bull J. C. (Cross Ties)
THOMASVILLE—Jemison J. B. & Co. (Bridge Timbers, etc)
Watt James & Bro. (Ties)

IDAHO.

COEUR D'ALENE—Atlas Tie Co. (Cross Ties)
SAND POINT—Hitchner & Hitchner (Cedar)
Humbird Lumber Co. (Red Cedar Poles & Piling, Plain & Treated)
McFarland L. D. ("Service" Brand)
Sand Point Lumber & Pole Co. (Ltd.) (Red Cedar Posts, Poles, Piling, etc)

ILLINOIS.

CHICAGO—Acme Lumber & Shingle Co., 20 Jackson blvd
Ayer & Lord Tie Co. (Also Piling, Creosoted, Oil & Zinc Chloride (Process), 80 E Jackson blvd
Bates Expanded Steel Truss Co. (Steel Poles), 208H S La Salle
Beidler Francis (Idaho Cedar & Michigan White Cedar Poles 40 ft & up) 20 W Jackson.
Bennett Field Tie Co., 1406 Fisher bldg.
See adv index at end of book
Crane W. B. & Co. (Cedar Posts & Trees), 913 W 22d
Deeves G. H. Lumber Co. (Ties), Ry. Exchange
Fowler Pole & Tie Co. (Plain & Treated Cedar Poles), Fisher bldg
Gillis & Co. (Timber, Ties, etc), Heyworth bldg
Goodman K. S. Co. (Cedar Poles & Posts), 80 E Jackson blvd

TIES

Treated with creasote or zinc or untreated POSTS—cedar or cypress—PILING—oak, cypress or hardwood—RAILROAD LUMBER Yards—Brookport, Ill. and Chicago, Ill.

BENNETT FIELD TIE CO.
1110 Fisher Bldg. Chicago, Ill.

Joslyn Mfg. & Supply Co. (Cedar Poles), 133 W Washington
Kellogg Switchboard & Supply Co. (White Cedar Poles, etc), 1066 W Adams
Lake Superior Piling Co. (Piling), 961 22d
Leach L. D. & Co., 343 S Dearborn
Lowe Perley & Co. (Cedar Poles), 332 S Michigan av
Marsh & Truman Lumber Co., (Oak, Fir, Yellow Pine Ties), 332 S Michigan av
Mueller Wm. & Co. (Western Red & Northern White Cedar), 115 S Dearborn
Naugle Pole & Tie Co. (Ties, Poles & Posts), 2307 S Morgan
Schultz W. W. & A. J., Old Colony bldg
Smith A. B. Lumber Co., Old Colony bldg
Stone Frank B., 1620 Mallers bldg
Worcester C. H. Co., 19 S Lasalle
McLEANSBORO—Wilson J. H. & Son (R. R. Ties)
MADISON—Kettle River Co. (Ties, Bridge, Timbers, etc)
WAUKEGAN—Chicago Creosoting Co. (Ties, Timber, etc)

INDIANA.

EVANSVILLE—Indiana Tie Co. (R. R. Ties), City Bank bldg
INDIANAPOLIS—REPUBLIC CREOSOTING CO., Merchants Bk. bldg
See adv index at end of book
MEDORA—Turney (Cross Ties)
RICHMOND—Johnson B. & Son (R. R. Ties, Piles, etc.)
TROY—Eberhard & Splater ("Ties")

IOWA.

GRINNELL—Carney B. J. & Co.

KENTUCKY.

BUCKHORN—Eversole A. B. (Ties & Logs)
Huff & Findley Ties & Logs)
BURNSIDE—Greeno C. C.
CLOVERPORT — Weatherholt Marion (Ties)
DANVILLE—Taylor & Moss
ELIZABETHTOWN—Bond Bros. (R. R. Cross Ties)
FROZEN CREEK—Day J. T. (Ties)
GREENUP—Wilson & Biggs (Telephone Poles & Cross Ties)
HAZEL GREEN—Day J. T.
HEIDELBERG—Hall Louis (Cross Ties)
KEAVEY—Storm S. L. (Ties)
LOUISVILLE—Hughes W. J. & Sons Co.
Ohio Valley Tie Co. (R. R. & Switch Ties)
MOREHEAD—Bradley S. M. (R. R. Ties)
PADUCAH—Paducah Pole & Timber Co. (Chestnut Telephone & Telegraph Poles)
Smith A. B. Lumber Co. (Southern Red Cedar Posts)
PAINTSVILLE—Cooper C. M. (R. R. Ties)
Maggard L. D. & Co. (Cross Ties)

LOUISIANA.

ALEXANDRIA—Alexandria Lumber Co. (Ltd.)
BOGALUSA — American Creosoting Co. (Creosoted)
DONNER—Dibert, Stark & Brown Cypress Co. (Ltd.)
LONGSTREET—Perry W. D. (Cross Ties)
MORGAN CITY—Bass & Pettigrew Timber Co.
Gulf Coast Timber Co.
NEW ORLEANS — American Creosote Works (Creosoted Ties & Poles) Southport
Creosoted Material Co., Inc., Queen & Crescent bldg
General Cooperage & Timber Co. (Ties), Whitney Central bldg.
Salmen Brick & Lumber Co., Ltd. (Yellow Pine Poles, Cross Ties & Foundation Piling)
PATTERSON—Williams F. B. Cypress Co. (Ltd.), (Cpress Poles & Cross Arms)
PLAIN DEALING—Caldwell S. J. (R. R. Ties)
SLIDELL—Salmen Brick & Lumber Co. (Ltd.), Yellow Pine Poles, Cross Ties & Foundation Piling)
Southern Creosoting Co. (Ltd.) (Creosoted Ties, Telegraph Poles, Piles, Timbers, etc)

MAINE.

AUGUSTA—Viles & Gannet (Long & Short Lumber, Cedar Ties, Poles, Posts, Shingle)
PORTLAND—Allen Wm. A. Co. (Posts), 28 Ocean av
Brown Co. (Kyanized Spruce)
STACYVILLE—Tracy M. M. (Ties)

MARYLAND.

BALTIMORE—Grube Herman L. (Ties, Poles, Posts, Piling, Mine Props, Heavy Timber, etc), American bldg
HOSKINS J. S. LUMBER MFG. CO. (Ties, Poles, Posts & Pine & Oak Piling), 1400 Hearst Tower bldg
HAGERSTOWN—Funkhouser R. J. & Co.

MICHIGAN.

BAY CITY—Michigan Pipe Co. (Ties, Poles & Posts, Creosoted, also plain)
BOYNE CITY—White W. H. Co. (Cedar Ties & Posts)
CHEBOYGAN — Rittenhouse John C. (Cedar)
DAGGETT—Perrizo & Sons (Poles & Posts)
DETROIT—Brownlee Co. (Telegraph Poles), River Rouge
Detroit Lumber Co., Jefferson & Junction avs
Grace Harbor Lumber Co. (Ties, Poles & Posts), 189 Minnie
ESCANABA—Erickson & Bissell (Cedar Ties, Poles, Posts — Tiling)
National Pole Co. (Red & White Cedar Poles)
GRAND RAPIDS—Warner-Newton Lumber Co. (Cedar Ties, Poles & Posts)
HERMANSVILLE — Wisconsin Land & Lumber Co. (Cedar Ties, Poles & Posts)
INGALLS—Carley Ira
LUDINGTON—*Stearns Salt & Lumber Co. (Poles, etc)
MANISTIQUE—White Marble Lime Co. (Hemlock, Cedar & Tamarack Ties & Cedar Poles & Posts)
MARQUETTE—De Haas N. G.
MENOMINEE — Crawford Cedar Co. (Cedar Telephone Poles)
ONAWAY—Chandler Geo. M. (Michigan White Cedar)
Lobdell Emery Mfg. Co. (Ties, Poles Posts)
OSCODA—Loud H. M. Sons Co. (Poles & Posts)
PORT HURON—Haynes Lumber Co. (Posts)
RAPID RIVER—Madden Jerry Shingle Co.

MINNESOTA.

CLOQUET—Cloquet Tie & Post Co.
DULUTH—Martin Bros. (Cedar Ties, Poles & Posts)
LITTLE FALLS—Pine Tree Mfg. Co. (White Pine & White Cedar Posts)
MINNEAPOLIS—Bell Lumber Co. (Northern White Cedar & Western Red Cedar, Also Piling), Security bldg
See adv index at end of book
Cedar River Lumber Co., 914 Plymouth bldg
Coolidge & Schussler (Ties, Telegraph & Telephone Poles), Metropolitan Life bldg
Krueger A. L. Lumber Co. (Cedar Poles), 130 1st av N
Lindsley Bros. Co., 21st & Univ. av, N. E.
Morrison J. W. Lumber Co. (White Cedar Poles) 927 Lumber Exchange
Page & Hill Co. (Cedar Poles & Posts) Plymouth bldg
Partridge T. M. Lumber Co., 731 Lumber Exchange
Standard Cedar & Lumber Co. (White Cedar Poles & Posts) 511 Lumber Exchange
Valentine-Clark Co. (Cedar Poles, Telegraph Poles, Railroad Ties, etc) Security bldg
Walsh Tie Co., 950 McKnight bldg
Winnor & Adams, Lbr. Exchange

MISSISSIPPI.

GULFPORT—Gulfport Creosoting Co. (Ties, Poles, Piling, etc)
MOORHEAD—Rich W. T. Lumber Co.

MISSOURI.

CABOOL—Grant-Davis Lumber Co. (Oak Piling, Fence Posts, Ties, etc)
DES ARC—Stamp R. I. (Red & White Oak Cross Ties)
KANSAS CITY—Exchange Saw Mills & Sales Co., R. A. Long bldg
MONTGOMERY CITY—Ferguson James (R R Ties)
MOREHOUSE—Himmelberger - Harrison Lumber Co. (Ties Only)
POPLAR BLUFF—Leach Lbr. & Tie Co. (Ties, etc)
ST. LOUIS—Abeles & Taussig Lumber & Tie Co., Commercial bldg
Bagnell Timber Co. (Ties), Title Guarantee bldg
Berthold & Jennings Lumber Co. (Piling Telegraph Poles, Ties, etc), Arcade bldg
Chicago Lumber & Coal Co. (Poles & Posts) East
Egyptian Tie & Timber Co. (R. R. Cross Ties), Railway Exch. bldg
Griffen Geo. M. Lumber Co. (Oak & Cypress Piling, Telephone Poles, etc), 5722 Bartmer

Hearne Timber Co. (White & Red Oak Ties, Cypress Poles & Piling), Times bldg
Moss T. J. Tie Co. (Oak, Cypress & Chestnut Ties & Cypress Trolley Poles), Security bldg
Walsh Tie & Lumber Co. (Ties, etc), Title Guaranty bldg
Western Tie & Timber Co. (Ties), Syndicate Trust bldg
SPRINGFIELD—Hobart-Lee Tie Co. (R R Ties & Lumber)

NEBRASKA.

OMAHA—Nebraska Bridge Supply & Lumber Co. (Cedar)

NEW JERSEY.

CAMDEN—Baird David Co. (Poles & Posts, Trolley, etc)
ERMA—Hand Robt. E. (Ties, Posts & Piling)

NEW YORK.

ALBANY—Hunter Dexter (Ties)
BUFFALO—Curtiss W. L. (Ties), 623 Delur av
Elias G. & Bro., 965 Elk
Jackson & Tindle (Cedar Ties, Poles & Posts), Jackson bldg
NEW YORK—American Bridge Co., 30 Church
American Creosoting Co. (Creosoted Ties & Timbers), 17 Battery pl
Baker-Bond Lumber Co., 405 Lexington av
Chesebro, Whitman Co. (Flag & Clothes Poles), 1167 1st av
Cooney, Eckstein & Co. (R R Ties), 302 Broadway
Corbett & Co., 429 E 109th
Dooley-Killian Co., Inc. (R. R. Ties), 26 Cortlandt, New York
Eppinger & Russell Co., 165 B'way
Miner Stanley H. (Timbers, Poles, Dock Logs, etc), 17 Battery pl
Southern Exchange Co. (Southern White Cedar Poles), 97 Warren
Vanderbilt Edw. W. (Ties), 98 Park pl
Western Electric Co., 463 West
Wyckoff Pipe & Creosoting Co. (Creosoted Ties & Poles), 552 5th av
OSWEGO—Farwell J. B. & Co. (Cedar Poles)

NORTH CAROLINA.

IVANHOE—Juniper Lumber Co., Inc. (White Cedar Poles)

OHIO.

CINCINNATI—Compressed Wood Preserving Co. (Creosoted Ties, Timbers, etc) Spring Grove & Station avs, Winton pl.
Doran & Co., Bell blk
Electric Railway Equipment Co. (Steel Tubular Poles), 2900H Cormany av
Farrin M. B. Lumber Co. (R R Ties, Poles, Fence Posts & Dock Piling), Station av & Winton pl
Mowbray & Robinson Co. (Ties, etc), 8th & Horn
CLEVELAND—Fishel & Marks Co., ft. of Krakow av
See adv index at end of book
Nicola Stone & Myer Co., Hanna bldg
COLUMBUS—Dodson E. Saw Mill & Lumber Co. (Ties & Piling), 557 Cleveland av
IRONTON—Ironton Cross Tie Co. (Ties)
JACKSON—Stevenson Bros. (Cross Ties)
LUCASVILLE—Brant & Appel Co. (Cross Ties)
PEEBLES—Bashford E. A. (Cross Ties)
TOLEDO—Bissell F. Co. (Cedar, Chestnut & Cypress Poles & Wood Posts)
Jennison-Wright Co. (Creosoted Ties, Bridge Timbers, etc)
National Pole Co. (Cedar Poles)
Superior Post Co., 2907 Summit
Toledo Fence & Post Co., 2907 Summit
WASHINGTON C. H.—Baker G. D. (Ties)

OREGON.

NOTI—Russell Elmer (Poles & Piling)
PORTLAND—Broughton & Wiggins Co., Yeon bldg
Doty Lumber & Shingle Co., Gasco bldg
Douglas Fir Lumber Co., Yeon bldg
Duncan Lumber Co., Northwestern Bank bldg
Gamble O. V., 502 Couch bldg
Harvey J. R., Gasco bldg
Lewis River Tie & Lumber Mills Assn., Gasco bldg
St. Helens Creosoting Wks., Yeon bldg
Sullivan Lumber Co., N. W. Bank bldg
Western Spar Co., Porter bldg

PENNSYLVANIA.

DUNMORE—Bingham George H. (Long Leaf, Short Leaf, Oak, Cypress Dlrs.)
EASTON—SERFAS LUMBER CO., Drake bldg
FRANKLIN—James W. J. (Chestnut)
NEWPORT—Sharon Samuel A.
PHILADELPHIA—Cook Tie & Pole Co. (R. R. Ties, Switch Timber, Pine & Oak Piling, Tie, Pole & Cross Arms), 919 Commercial Trust bldg

TIES
Oak and Chestnut, Railroad and Trolley, Industrial, etc.
SWITCH TIMBERS
White Oak and Mixed Oak.
POLES
Chestnut and Cedar, Telephone, Telegraph, Electric, etc.
COOK TIE & POLE CO.
919 Commercial Trust Bldg., PHILADELPHIA, PA.

Hallowell & Souder (Sawed Ties Only), Harrison bldg
Roper Jno. L. Lumber Co. (Ties), Franklin Bank bldg
Thompson Lewis & Co., 1227 Gtn.
Union Railway Supply Co. (Electric Railway Ties & Poles), Real Estate Trust Co. bldg
PITTSBURGH—American Bridge Co., Frick bldg
Gillespie D. L. & Co. (Ties), Oliver bldg
Henderson Lumber Co. (Chestnut Poles, Oak & Chestnut Ties), 316 4th av
Ohio Wood Preserving Co., Century bldg
Pittsburgh Wood Preserving Co., Century bldg.
Simplex Pile Foundation Co., H Keystone bldg
West Virginia Lumber Co., First National Bank bldg
ROCKWOOD—Wolf Penrose
THOMPSONTOWN—Thomson Theo. S. (Estate of) (Ties)
TIONESTA—Forman H. M. (Ties)

RHODE ISLAND.

PROVIDENCE—Walling H. E. (Poles & Ties), Union Trust bldg.

SOUTH CAROLINA.

ALCOLU—Alderman D. W. & Sons Co. (Octagonal or Square Poles)
CHARLESTON—Anderson Lumber Co. (Ties)

TENNESSEE.

CHATTANOOGA—Chattanooga Pole Co. (Chestnut & Locust Poles, Pins & Ties), Temple ct
MEMPHIS—Meredith J. P. Cedar Co. (Red Cedar Piling, Poles & Posts)
NASHVILLE—Nashville Tie Co. (Cross Ties & Cedar Pilings)
Ransom J. B. & Co. (Red Cedar Posts & Poles)

TEXAS.

BEAUMONT—Keith Lumber Co. (Ties)
Nona Mills Co. Ltd. (Ties)
GALVESTON—Heiskell Jas. M. (R R Ties)
International Creosoting & Const. Co. (Creosoted Ties, Bridge Timbers, Piling, Poles, etc)
HOUSTON—Bender C & Sons (Ties & Bridge Timbers)
Carter W. T. Lumber & Bldg. Co. (Ties, etc)
Continental Lumber Co.
Kirby Lumber Co. (Ties etc)

VIRGINIA.

NORFOLK—Atlantic Creosoting & Wood Preserving (Poles, Ties, Arms)
Jordan Bros. Lumber Co. (Telephone, Telegraph & Trolley Poles; Southern White Cedar), 300 Main
Norfolk Creosoting Co. (Poles, Posts, Piling, etc.)
PORTSMOUTH—Wyckoff Pipe & Creosoting Co. (Creosoted Ties & Poles)
RICHMOND—Conquest P. L. & Son (Cross Ties), Amer. Natl. Bank bldg
ROANOKE—Valley Tie & Lumber Co. (Cross Ties Only)
STAUNTON—Valley Tie & Lumber Co.

WASHINGTON.

COSMOPOLIS—Grays Harbor Commercial Co. (Cross Ties & Poles)
DOTY—Doty Lumber & Shingle Co.
EVERETT—K. & K. Timber Co., Inc. (Cedar Poles)
National Pole Co. (Red & White Cedar Poles)
OSTRANDER—Ostrander Railway & Timber Co. (Long Fir Timbers & R. R. Ties)
PORT BLAKELEY—Port Blakeley Mill Co. (Ties)
PORT LUDLOW—Puget Mill Co., See San Francisco, Cal.
SEATTLE—Miller A. W. Saw Mill Co.
Northwest Lumber Co. (Spars, Piles & Telegraph Poles)
Pacific Fir Co. (Ties)
Parks & Lawton (Fir Ties, Spars, Long Timber), Stuart bldg
Pinkham J. E. Lumber Co., White bldg
Puget Mill Co. (Fir Spars)
SPOKANE—Anderson U. S., Payton bldg
Carney B. & J. Co.
Eggers Pole & Supply Co., Parkwater
Lindsley Bros. Co. (Cedar Poles)
Metropolitan Cedar Co., Peyton bldg
National Pole Co., Peyton bldg
Northern Cedar Co., Hutton bldg
Pacific Fir Co.
Valentine-Clark Co. (Northern & Western Cedar Poles & Piling)
Waterman F. W. Co., Symons bldg
Weyerhaeuser Sales Co., Old National Bank bldg
TACOMA — Cascade Timber Co. (Red Cedar Poles & Piling)
Bridge Material, etc)
St. Paul & Tacoma Lumber Co. ("Douglass" Fir Piles, Ties, Bridge Materials, etc.)
Tacoma Mill Co. (Piles & Telephone Poles)
WINLOCK—O'Connell Lumber Co. (Poles & Piling up to 100 ft.)

WEST VIRGINIA.

CHARLESTON—Courtney Co. (R. R. Ties)
HUNTINGTON — Mercereau-Hawkins Tie Co.
RICHWOOD—Cherry River Boom & Lumber Co. (Telephone Poles, etc).

WISCONSIN.

CLINTONVILLE—Torrey Cedar Co. (Poles & Posts)
DUNBAR—Girard Lumber Co. (Ties, Poles & Posts)
GAGEN—Gagen Lbr. & Cedar Co.
GOODMAN—Goodman Lumber Co. (Cedar Poles & Posts)
GREEN BAY—Northland Lumber Co. (Posts)
Valentine-Clark Co. (Cedar Ties, Poles, etc)
MADISON—Collins Esslen Lumber Co. (Posts & Ties)
MARSHFIELD—Connor R. Co. (Cedar Poles & Posts)
MILWAUKEE—MacGillis & Gibbs Co., Wells bldg
OSHKOSH—Mergan Co. (Cedar Poles & Posts)
RHINELANDER — Robbins Lumber Co. (Cedar Posts)
TOMAHAWK—Brooks Hall L. (Cedar Posts, etc)
WITTENBERG—Glaubitz R. B. (Posts & Poles)
Wheeler-Arnold Co.

15566—Ties (Reinforcing Material)

Bragstad Concrete Machy. Co., Inc., Canton, S. Dak.
Concrete Steel Co., 42 Broadway, New York

15567— Ties (Steel)

Central Frog & Switch Co. (For Mines & Industrial Plants), Cincinnati, O.
Concrete Steel Co., 42 Broadway, New York
Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*
Fairmont Mining Machinery Co. (For Mines), Fairmont, W. Va.
Fishel & Marks Co., ft. of Krakow av, Cleveland, O. *See adv index at end of book*
SWEET'S STEEL CO., Williamsport, Pa.
Valley Forging Co., Verona, Pa.

15568—Ties (Steel Railroad)

American Bridge Co. (Pressed for Street & Steam Railways), 30 Church, New York
Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*
International Steel Tie Co. (Twin Ties), 16702 Waterloo av, Cleveland, O.
Koppel Industrial Car & Equipment Co., Dept. H, Koppel, Pa.
Port Blakeley Mill Co., 351H California

Ties (Veneer)

See Ties, Wall

15569— Ties (Wall)

American Rolling Mill Co. ("Miami," "Bull Dog" & "Veneer"), Middletown, O.
American Steel Band Co., 886 Progress, Pittsburgh, Pa.
Beatrice Steel Tank Mfg. Co. ("New-Way"), Beatrice, Neb.
Berger Mfg. Co., 1038 Belden av N E, Canton, O.
Bostwick Steel Lath Co. ("Bostwick" Galvanized), Niles, O.
Bowers Mfg. Co., 35th & Hill, Los Angeles, Cal.
Burton W. J. Co. (Brock & Cement), Junction & Federal av, Detroit, Mich.
Bragstad Concrete Mchy. Co., Canton, S. Dak.
Campbell Wire Specialty Works, South Bend, Ind.
Church Appliance Mfg. Co. ("Excelsior," Wire "Umpire" Sheet Steel), La Salle, Ill.
Clark W. J. Co., Salem, O.
Concrete Steel Co., 42 Broadway, New York
Donley Bros. Co. (The), 13935 Miles av, Cleveland, O.
See adv index at end of book
Dowman-Dozier Mfg. Co., Atlanta, Ga.
Duplex Hanger Co. ("Cleveland" Galvanized & Corrugated), E 53rd & Lakeside av, Cleveland, O.

(Continued on following page)

Ties (Wall)—Continued

EDWARDS MFG. CO., The, 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
Globe Iron Roofing & Corrugating Co., Dept. H, Newport, Ky.
Hamblin & Russell Mfg. Co. ("Standard" Perforated Steel), 28 Water, Worcester, Mass.
Harry O. K. Steel Works, Dallas, Texas
Hastings Equitp Grain Bin Mfg. Co., Hastings, Neb.
Hastings Foundry & Iron Works, Hastings, Neb.
Holzer R. G. (Est. of) (Galvanized), New Orleans, La.
Johnston J. D., Newport, R. I.
Klauer Mfg. Co., Dubuque, Ia.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Londelius C. A. & Sons Co., 847 W 63d, Chicago, Ill.
McDowell Mfg. Co. (" Pittsburgh " Steel), Stanton av, Pittsburgh, Pa.
Mercer Mfg. Co. ("Myers"), Mercer, Pa.
Merwin Mfg. Co. ("Herringbone" Galvanized), Erie, Pa.
MICHIGAN WIRE CLOTH CO., 2100 Howard, Detroit, Mich.
See adv index at end of book
Miller & Coulson (Dealer), 5748 Ellsworth av, Pittsburgh, Pa.
Minnesota Tank & Silo Co., 920 6th av., Minneapolis, Minn.
New Orleans Roofing & Metal Co. ("Nola"), Cortez & Orleans, New Orleans, La.
Newport Rolling Mill Co. (Steel, Galvanized), Newport, Ky.
Niagara Falls Metal Stamping Works ("Niagara" Veneer Galvanized for Concrete Block or Brick Walls), Niagara Falls, N. Y.
Norman W. F. Sheet Metal Mfg. Co. (Galvanized Sheet Metal), Nevada, Mo.
Page Steel & Wire Co. ("Page"), Adrian, Mich.
Prescott J. B. & Son ("Morse" Ties & Bonds), Webster, Mass.
Reeves Mfg. Co., Dover, O.
Robertson W. F. Steel & Iron Co. (Galvanized Steel), Elm & Commerce, Cincinnati, O.
Smith F. P. Wire & Iron Works, 2540-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Sykes Metal Lath & Roofing Co., Niles, O.
Wheeling Corrugating Co., Wheeling, W. Va.
Wicks M. O. Mfg. Co., Glen Cove, N. Y.
Willis Mfg. Co., Galesburg, Ill.

15570— Ties (Wall for Concrete Forms)

Clark W. J. Co., Salem, O.
Concrete Steel Co., 42 Broadway, New York
Decker Mfg. Co., Keokuk, Ia.
Gracey R. & Sons, 115 First av, Pittsburgh, Pa.

15570a—Ties & Tyers (Bag)

Atlantic Jute Mills ("Atlantic"), Norfolk, Va.
Bates Valve Bab Co., 7310 So Chicago av, Chicago, Ill.
Charlotte Waste Co., Charlotte, N. C.
Friedlander Julius & Co., Columbus, Ga.

15571— Tighteners (Chain)

Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Jones W. A. Foundry & Machine Co., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book
Link-Belt Company, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*

15571a—Tile (Acid Proof for Chemical Works)

Catlin R. H. Co., Wilmington, Del.
General Ceramics Co., 50 Church, New York
Hood B. Mifflin, Atlanta, Ga.
Knight Maurice A., Akron, O.
Structural Stone Co., Hubbard, O.
Thermal Syndicate, Ltd., 58 Schenectady av, New York
Wiederhoidt Constr. Co., Old Bank of Commerce bldg, St. Louis, Mo.

15572—Tile (Art & Decorative)

See also Tile, Encaustic Floor

Alhambra Tile Co., Newport, Ky.
American Abrasive Metals Co. ("Carborundum") 50 Church, New York
American China Co., Phillips bldg, Los Angeles, Cal.
American Encaustic Tiling Co., 16 E 41st, New York
Am. Mosaic & Tile Co., Dept. H, Louisville, Ky.
Associated Tile Mfrs., Masanic bldg, Beaver Falls, Pa.
Batchelder-Wilson Co. ("Batchelder"), 2633 Artesian, Los Angeles, Cal.
Beaver Falls Art Tile Co., Beaver Falls, Pa.
Bradbury Marble Co., 4165 Duncan, St. Louis, Mo.
Brunt Tile & Porcelain Co., Columbus, O.
Cal. Brick Co. ("Dickey Master"), 604 Mission, San Francisco, Cal.
California Clay Products Co., South Gate, Cal.
Cambridge Tile Mfg. Co. (& House Number), Dept. H, Covington, Ky.
Chattanooga Sewer Pipe Works, W 11th & Cross, Chattanooga, Tenn.
Chicago Fire Brick Co., 133 W Washington, Chicago, Ill.
Claycraft Potteries, 3101 San Fernando rd, Los Angeles, Cal.
Columbus Sewer Pipe Co., Columbus, Ga.
Corry Art Stone Co., Corry, Pa.
De Smet Quartz Tile Co., 135 W Washington, Chicago, Ill.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Fiske & Co. ("Tapestry"), 115 Federal, Boston, Mass.
Grueby Faience & Tile Co., Perth Amboy, N. J.
Hawes & Dodd, 59 E Adams, Chicago, Ill.
JACKSON EDWIN A. & BRO. (INC.) (Dealers in All Kinds), 50 Beekman, New York *See adv index at end of book*
Lage B. H., 484 Greenwich, New York
Livermore Fire Brick Works, 604 Mission, San Francisco
Macomb Sewer Pipe Works, Macomb, Ill.
Martin Brick Co., Chamber of Commerce bldg, Pittsburgh, Pa.
Matawan Tile Co., Matawan, N. J.
Mosaic Tile Co. (Ceramic, Enameled & Glazed), Zanesville, O.
Mueller Mosaic Co., Trenton, N. J.
National Tile Co., Anderson, Ind.
Northwestern Marble & Tile Co., 27th av & 27th S, Minneapolis, Minn.
Ogden Sewer Pipe & Clay Co., Ogden, Utah
Old Bridge Enameled Brick & Tile Co., Old Bridge, N. J.
Owens J. B. Floor & Wall Tile Co., Zanesville, O.
Pardee C. Works, Perth Amboy, N. J.
Plastone Co. ("Plastone"), 463 E 3rd, Los Angeles, Cal.
Richardson E. H., 77H O'Farrell, San Francisco, Cal.
Robertson Art Tile Co., Morrisville, Pa.
S. & S. Tile Co., 4th & Carrie, San Jose, Cal.
Southern Sewer Pipe Works, Birmingham, Ala.
Standard Brick & Tile Co. ("Sylvanian"), 323 Worcester bldg, Portland, Ore.
Standard Sewer Pipe Works, Rome, Ga.
Structural Stone Co., Hubbard, O.
Superior Tile & Products Co., 918 Prince, Berkeley, Cal.
Texarkana Pipe Work, Texarkana, Texas
Tropico Potteries Inc., Glendale, Cal.
Trent Tile Co., Trenton, N. J.
U. S. Encaustic Tile Wks., 359 N 16th, Indianapolis, Ind.
UPSON CO ("Upson-Fibre Tile"), Lockport, N. Y. *See adv index at end of book*

15573— Tile (Bake Oven)

Albrecht Francis J., 1146 Penn av, Pittsburgh, Pa.
Cambridge Tile Mfg. Co., Dept. H, Covington, Ky.
Chattanooga Sewer Pipe Works, W 11th & Cross, Chatttanooga, Tenn.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Fiske & Co., 115 Federal, Boston, Mass.
Laclede-Christy Clay Products Co., Manchester & Sulphur avs, St. Louis, Mo.
Livermore Fire Brick Wks., 604 Mission, San Francisco, Cal.
Maurer Henry & Son, 420 E 23d, New York
See adv index at end of book
Presbrey Stove Lining Co., Taunton, Mass.
St. Louis Vitrified & Fire Brick Co., Wainwright bldg, St. Louis, Mo.

15573a— Tile (Boiler)

Chattanooga Sewer Pipe Works, W 11th & Cross, Chatttanooga, Tenn.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Livermore Fire Brick Wks., 604 Mission, San Francisco, Cal.
McLEOD & HENRY CO. (Baffle), 360 1st, Troy, N. Y.
Missouri Fire Brick Co., Security bldg, St. Louis, Mo.

15574— Tile (Book)

United States Gypsum Co. ("Pyrobar"), 205 W Monroe, Chicago, Ill.

15575—Tile (Cement Floor)

American Abrasive Metals Co. ("Carborundum"), 50 Church, New York
Corry Art Stone Co., Corry, Pa.
De Smet Quartz Tile Co., 133 W Washington, Chicago, Ill.
Federal Cement Tile Co. ("Precast" Roof & Floor Slabs), 608 S Dearborn, Chicago, Ill.
National Mosaic Tile Co., Mobile, Ala.
Special Service Flooring Corp., 2009 Grand Central Terminal, New York
STRONG MACHINERY & SUPPLY CO. (Hollow & Flat Ground for Scraping Valves, Journals, Bearings, etc.), 292-294 Church, New York
See adv index at end of book
Superior Tile & Products Co., 1918 Prince, Berkeley, Cal.
U. S. Gypsum Co. ("Pyrobar"), 205 W Monroe, Chicago, Ill.
U. S. Sidewalk Tile Co., 3150 Octavia, San Francisco, Cal.

15576—Tile (Ceramic) Mosaic Floor

Alhambra Tile Co., Newport, Ky.
American Abrasive Metals Co. ("Carborundum"), 50 Church, New York
American Encaustic Tiling Co., 16 E 41st, New York
Art Mosaic & Tile Co. Toledo, O.
Associated Tile Mfrs. Mosanic bldg, Beaver Falls, Pa.
Atlantic Tile Mfg. Co., Matawan, N. J.
Brunt Tile & Porcelain Co., Columbus, O.
Cambridge Tile Mfg. Co., Covington, Ky.
Cassini Mosaic & Tile Co., 1027 B'way, Cincinnati, O.
Grueby Faience & Tile Co., Perth Amboy, N. J.
Italian Marble Mosaic Co., 431 Spruce, Phila., Pa.
Judson Studios, 200 E av 66, Los Angeles, Cal.
Kenilworth Tile Co., Newell, W. Va.
Lage B. H., 484 Greenwich, New York. Factory: Menlopark, N. J.
Matawan Tile Co., Matawan, N. J.
Mosaic Tile Co., Zanesville, O.
Mueller Mosaic Co., Trenton, N. J.
National Mosaic Co., 338 Pennsylvania av, Washington, D. C.
National Floor Tile Co. ("Adamantile"), Mobile, Ala.
National Mosaic Tile Co., 2100 S Kedzie av, Chicago, Ill.
National Tile Co., Anderson, Ind.
Old Bridge Enameled Brick & Tile Co., Old Bridge, N. J.
Owens J. B. Floor & Wall Tile Co., Zanesville, Ohio
Pardee C. Works, Perth Amboy, N. J.
Perth Amboy Tile Wks., Perth Amboy, N. J.
Robertson Art Tile Co., Morrisville, Pa.
Roman Mosaic & Tile Co., Inc., 435 Green, Phila., Pa.
Traitel Marble Co., Webster av & E R, Long Island City, N. Y.
Trent Tile Co. (Vitrified & Glazed), Trenton, N. J.
U. S. Encaustic Tile Wks., Indianapolis, Ind.
Wheeling Tile Co., Wheeling, W. Va.

15577-8— Tile (Cork)

Dreadnought Flooring Co. ("Dreadnought" Interlocking), 115 E 23rd, New York
Kennedy David E. Inc. ('Nonpariel"), 63 W 14th, New York
Marbleoid Co. ("Marbleoid"), 461 8th av, New York
United Cork Cos. ("Crescent"), 50 Church, New York

15579— Tile (Drain)

See also Firms in Brick, Common, with the word Tile following their name

Ada Clay Co., Ada, O.
American Fire Brick Co., 1102 Monroe, Spokane, Wash.
American Sewer Pipe Co., Akron, O.
Arbuckle & Son, Rays Crossing, Ind.
Arbuckle & Son, Homer, Ind.
Argillo Works, Rock Island, Ill.
Armstrong Mfg. Co., Hicksville, Ohio
Athens Brick & Tile Co., Athens, Texas
Ayer, McCarel & Reagon Clay Co., Brazil Ind.
Bachelor Brick & Tile Co., Angola, Ind.
Bannon F. Pipe Co. (Farm), Louisville, Ky.
Bassett & Courtney, Beaver City, Ind.
Bell C., Craigville, Ind.
Biglow E. Co., New London, O.
Blackmer & Post Pipe Co. (Salt Glazed Vitrified), Boatmen's Bank bldg, St. Louis, Mo.
Boone Brick, Tile & Paving Co., Boone, Ia.
Bradshaw & Co., Fort Dodge, Ia.
Brandt Clay Products Co., Binghamton, N. Y. Works: Brandt, Pa.
Brinkman H, Mount Vernon, Ind.
Butte Sewer Pipe & Tile Co., Butte, Mont.
Cal. Brick Co., 604 Mission, San Francisco, Cal.
Cambria Clay Co., Patton, Pa.
Chattanooga Sewer Pipe Works, W 11th & Cross, Chattanooga, Tenn.
Chicago Fire Brick Co., 133 W Washington, Chicago, Ill.
Clark N. & Sons, 116 Natoma, San Francisco, Cal.
Clauser W. H. & Son, Delphi, Ind.
Clay Product Co., 133 W Washington, Chicago, Ill.
Colfax Drain Tile Co., Colfax, Ind.
Columbia Brick Works, 302 E Main, Portland, Ore.
Columbus Sewer Pipe Co., Columbus, Ga.
Cook J. W., Poneto, Ind.
Cooper Jno., 111 Clay, Brooklyn, N. Y.

Cunningham Richard, Russianville, Ind.
Daubenmire C. E., Union City, Ind.
Dee Wm. E. Co., 30 N La Salle, Chicago, Ill. Works: Mecca, Ind.
Delaware Clay Mfg. Co., Delaware, O.
Delta Cement Tile Co., Greenville, Miss.
Denman W. M., West Unity, O.
Denny-Renton Clay & Coal Co., Seattle, Wash.
Dickey W. S. Clay Mfg. Co., N. Y.
Dickson Bros., Whiteland, Ind.
Diefethaler Co., Mullbury, O.
Duffy J. P. Co., 207 E 138th, New York
Dunbar Brick Co., Augusta, Ga.
Eastern Clay Goods Co., 80 Federal, Boston, Mass.
Eugene Concrete Pipe Co., Eugene, Ore.
Evens & Howard Fire Brick Co., 920 Market, St. Louis, Mo.
Everal F. H. & Co., Westerville, O.
Far West Clay Co., Tacoma, Wash.
First Av Brick & Tile Co., Evansville, Ind.
Franklin Brick & Tile Co., Ferris bldg, Columbus, O.
Fraser Brick Co., Dallas, Tex.
Gast A. A. & Son, Akron, Ind.
Gladding, McBean & Co., Crocker bldg, San Francisco, Cal.
Gottschalk Andrew, Berne, Ind.
Greer-Beatty Clay Co., Magnolia, O.
Grinnell Clay Products Co., Grinnell, Ia.
Hansen Bros., Princeton, Ill.
Haviland Clay Works, Haviland, Ohio
Hobbs Drain Tile Co., Hobbs, Ind.
Howe Geo. R., Medaryville, Ind.
Hull John L., Cambridge, Ill.
Humbolt Gravel & Tile Co. (Concrete), Humbolt, Iowa
Indiana Drain Tile Co. (Made from Shale), Brooklyn, Ind.
Inman Tile Co., (Tile), Mill Grove, Ind.
Iowa Pipe & Tile Co., Des Moines, Ia.
Kankakee Tile & Brick Co., Kankakee, Ill.
Kasten & Schmuke Pressed Brick Co. (Farm), Jackson, Mo.
Kern Clay Products Co., 277 Hawthorne ave, Portland, Ore.
King J. H., Colchester, Ill.
Krick Tyndall & Co., Decatur, Ind.
Landgraff Fred, Albion, Ind.
Lehigh Sewer Pipe & Tile Co. (Salt Glazed Vitrified Only), Fort Dodge, Ia.
Lindley Thomas F., Kempton, Ind.
Longmont Brick & Tile Co. ("Lo-Tex"), Longmont, Colo.
Los Angeles Concrete Tile Co. ("Lac-Tile"), Monterey Park, Cal.
Lyth Tile Co., Mutual Life bldg, Buffalo, N. Y.
Macomb Sewer Pipe Works, Macomb, Ill.
Macon Sewer Pipe Works, Macon, Ga.
Madisonville Drain Tile Co., Madisonville, Ky.
Martin Bros., Dunkirk, Ind.
Martin & Van Owen, Naperville, Ill.
Mason City Brick & Tile Co., Mason City, Iowa
Mason City Clay Works, Mason City, Ia.
Mason City Sewer Pipe Co., Mason City, Ia.
Medara Shale Brick Co., Medara, Ind.
Miller & Coulson (Dealer), 5748 Ellsworth av, Pittsburgh, Pa.
Molohan Dave, Zenobia, Ill.
Morey Clay Products Co. (Brick & Tile), Ottumwa, Ia.
Morral Clay Co., Morral, O.
Munson Bros. Co., Capron, Ill.
Mushet W. E. Co. (Dirs.), 700 2d, San Francisco, Cal.
National Clay Works, Mason City, Iowa
National Drain Tile Co., Terre Haute, Ind.
National Fireproofing Co., 1100 Fulton bldg, Pittsburgh, Pa.
See adv index at end of book
Northwestern Clay Mfg. Co. (Vitrified), Aledo, Ill.
Oakland Art Pottery, 2237 E 12th, Oakland, Cal.
Obershelp H. S., Princeton, Ill.
Oconee Brick & Tile Co., Milledgeville, Ga.
Ogden Sewer Pipe & Clay Co., Ogden, Utah
Pacific Clay Products Co., 129 W 2d, Los Angeles, Cal.
Platt Pressed & Fire Brick Co. (Agricultural), Van Meter, Ia.
Plymouth Clay Products Co. (Vitrified), Fort Dodge, Ia.
Pomona Terra Cotta Co., Pomona, N. C.
Portland Drain Tile Co., Portland, Ind.
Red Wing Sewer Pipe Co., Red Wing, Minn
Richeson, Nelson & Moore, Greenville, O.
Roanoke Drain Tile Co., Roanoke, Ind.
Robinson Clay Product Co., Akron, O.
Robinson T. & Co., Real Estate Tr. bldg, Phila., Pa.
Salt Lake Presses Brick Co., Salt Lake City, Utah
San Antonio Sewer Pipe Works, San Antonio, Texas
Shaffer G. W., Spencerville, O.
Sheldon Brick & Bldg Supply Co., Urbana, Ill.
Sieg John A., Marshallton, Ia.
Sioux City Brick & Tile Co., Sioux City, Ia.
Somerville Thos. Co., 812 13th. N W, Washington, D. C.
Southern Brick & Tile Co., Louisville, Ky.
Southern Sewer Pipe Co. (Farm), Birmingham, Ala.
Standard Sewer Pipe Works, Rome, Ga.
Steep W. H., Seneca, Ill.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Stoneware Pipe Co., East Alton, Ill.
Stookey D. W., Cedar Rapids, Ia.
Streator Clay Mfg. Co., Streator, Ill.
Streator Drain Tile Co., Streator, Ill.
Summitville Drain Tile Co., Summitville, Ind.
Sweetsers Drain Tile Co., Sweetsers, Ind.
Texarkana Pipe Works, Texarkana, Texas
Twin City Fuel Co., Neenah, Wis.
Union Sewer Pipe Co., McKeesport, Pa.
Utah Fire Clay Co. (Clay), Salt Lake City, Utah
Vigo-Amer. Clay Co., Terre Haute, Ind.
Vigo Tile & Brick Co., Vigo, O.
Walter Geo. J., Chatsworth, Ill.
Washington Brick, Lime & Sewer Pipe Co. ("Waco"), Spokane, Wash.
Werling Albert, Preble, Ind.
Wessel H. H., Batesville, Ind.
Whitacre-Greer Fireproofing Co., Waynesburg, O.
Williams N. A. Co., 133 W Wash., Chicago, Ill.
Winslow & Co., Portland, Me.
Winter Bros., Wadsworth, Ill.
Wolcott Brick & Drain Tile Co., Wolcott, Ind.
Woodburn Tile & Brick Co., Woodburn, Ind.
Wyman D. W. & Son, Scottsburg, Ind.
Zuber Drain Tile Co., Columbia City, Ind.

15580-1— Tile (Enameled)

Alhambra Tile Co., Newport, Ky.
American Encaustic Tiling Co., 16 E 41st, New York
Associated Tile Mfrs., Mosanic bldg, Beaver Falls, Pa.
Beaver Falls Art Tile Co., Beaver Falls, Pa.
Cambridge Tile Mfg. Co., Covington, Ky.
Grueby Faience & Tile Co., Perth Amboy, N. J.
Livermore Fire Brick Wks., 604 Mission, San Francisco, Cal.
Matawan Tile Co., Matawan, N. J.
Mosaic Tile Co., Zanesville, O.
National Tile Co., Anderson, Ind.
Old Bridge Enameled Brick & Tile Co., Old Bridge, N. J.
Owens J. B. Floor & Wall Tile Co., Zanesville, O.
Pardee C. Works, Perth Amboy, N. J.
Robertson Art Tile Co., Morrisville, Pa.
Tiffany Enameled Brick Co., 133 W Washington, Chicago, Ill.
Trent Tile Co., Trenton, N. J.
U. S. Encaustic Tile Works, Indianapolis, Ind.

15582—Tile (Encaustic Floor)

Alhambra Tile Co., Newport, Ky.
American Encaustic Tiling Co., 16 E 41st, New York
Associated Tile Mfrs., Mosanic bldg, Beaver Falls, Pa.
Cambridge Tile Mfg. Co., Covington, Ky.
Grueby Faience & Tile Co., Perth Amboy, N. J.
Matawan Tile Co., Matawan, N. J.
Mosaic Tile Co., Zanesville, Ohio
Mueller Mosaic Co., Trenton, N. J.
National Tile Co., Anderson, Ind.
Old Bridge Enameled Brick & Tile Co., Old Bridge, N. J.
Owens J. B. Floor & Wall Tile Co., Zanesville, O.
Pardee C. Works, Perth Amboy, N. J.
Robertson Art Tile Co., Morrisville, Pa.
U. S. Encaustic Tile Works, Indianapolis, Ind.

15583— Tile (Fibre)

UPSON CO. ("Upson-Fibre Tile"), Lockport, N. Y. *See adv index at end of book*

15583a— Tile (Fire Clay)

Colonial Fireplace Co., 4619H Roosevelt rd, Chicago, Ill.
Crescent Refractories Co., Curwensville, Pa.
Hoffman Chas. V. Co. Inc., 235 W 42nd, New York
Denver Fire Clay Co., Denver, Colo.
Livermore Fire Brick Works, 604 Mission, San Francisco, Cal.
PORTSMOUTH REFRACTORIES CO., THE, Portsmouth, O.
See adv index at end of book

MAKE YOUR OWN
Refractory Tile or Special Shapes for Furnace Linings, Baffles, Repairs, etc. using
Ganisand bonded with Hytempite
Ask for Instruction Booklet
Quigley Furnace Specialties Co.
26 Cortlandt Street New York

15584—Tile (Fire Proofing or Partition)

Cal. Brick Co., 604 Mission, San Francisco, Cal.
Cambria Clay Co., Patton, Pa.
Cannon & Co., N Sacramento, Sacramento, Cal.
Chattanooga Sewer Pipe Works, W 11th & Cross, Chattanooga, Tenn.
Chicago Fire Brick Co., 133 W Washington, Chicago, Ill.
Cleveland Bldrs.' Supply & Brick Co., H, Leader-News bldg, Cleveland, O.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Fraser Brick Co., Dallas, Tex.
Indiana Drain Tile Co. (3 to 12 inches, Made from Shale), Brooklyn, Ind.
Los Angeles Pressed Brick Co., 145 S Spring, Los Angeles, Cal.
MAURER, HENRY & SON, 420 E 23d, New York *See adv index at end of book*
Metropolitan Paving Brick Co., Canton, Ohio
National Fireproofing Co., 1100 Fulton bldg, Pittsburgh, Pa.
See adv index at end of book
Oconee Brick & Tile Co., Milledgeville, Ga.
Pittsburgh Clay Products Co., Keenan bldg, Pittsburgh, Pa.
Troy Fireproofing Co., Troy, N. Y.
Western Wallboard Co. (Plaster), 4527 9th av S, Seattle, Wash.

15585—Tile (Floor or Porch)

Acme Brick Co., Danville, Ill.
American Abrasive Metals Co. ("Carborundum"), 50 Church, New York
Am. Mosaic & Tile Co., Dept. H, Louisville, Ky.
Associated Tile Mfrs., Masonic bldg, Beaver Falls, Pa.
Batchelder Wilson Co. ("Batchelder"), 2633 Artesian, Los Angeles, Cal.
Cal. Brick Co., 604 Mission, San Francisco, Cal.
California Clay Products Co., South Gate, Cal.
Cannon & Co., N Sacramento, Sacramento, Cal.
Cleveland Bldrs.' Supply & Brick Co., H, Leader-News bldg, Cleveland, O.
Corry Brick & Tile Co. (Vitrified Red), Corry, Pa.
Dawson Bros., 523 N Halsted, Chicago, Ill.
De Smet Quartz Tile Co., 133 W Washington, Chicago, Ill.
Goldsmith Metal Lath Co. (Metal Fireproof Floor), 53 Central av, Cincinnati, O.
Hawes & Dodd, 59 E Adams, Chicago, Ill.
Hornet Mantel Co., 1112 Market, St. Louis, Mo.
Keystone Solether Corp. (Floor), 320 B'way, New York
Lorenzen Chas. F. & Co., 521 W Monroe, Chicago, Ill.
Martin Brick Co., Chamber of Commerce bldg, Pittsburgh, Pa.
Maurer Henry & Son (For Combination Floor), 420 E 23d, New York
See adv index at end of book
National Floor Tile Co., Mobile, Ala.
Oconee Brick & Tile Co., Milledgeville, Ga.
Pa. Structural Slate Co., Drake bldg, Easton, Pa.
Ridgeway Brick Co., Ridgeway, Pa.
S. & S. Tile Co., 4th & Carrie, San Jose, Cal.
Washington Brick Lime & Sewer Pipe Co. ("Waco"), Spokane, Wash.

15585a— Tile (Furnace)

Chattanooga Sewer Pipe Works, W 11th & Cross, Chattanooga, Tenn.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Livermore Fire Brick Wks., 604 Mission, San Francisco, Cal.
MAURER HENRY & SON, 420 E 23d New York *See adv index at end of book*
Mushet W. E. Co. (Dirs.), 700 2d, San Francisco, Cal.
Portsmouth Refractories Co., The, Portsmouth, O. *See adv index at end of book*
Washington Brick Lime & Sewer Pipe Co. ("Waco"), Spokane, Wash.

15586— Tile (Glass)

Opalite Tile Co. ("Cosmos," "Opalite"), Monaca, Pa.

15587— Tile (Gypsum)

American Cement Plaster Co. (or Block), Military rd & City Line, Buffalo, N. Y.
Hunkins-Willis Lime & Cement Co. (Dirs., Partition), Century bldg, St. Louis, Mo.
Robinson T. & Co., H, Real Estate Tr. bldg, Phila., Pa.
United States Gypsum Co. ("Pyrobar"), 205 W Monroe, Chicago, Ill.

15588—Tile (Hollow, Building)

Acme Brick Co., Fort Worth, Texas
Acme Tile Co. ("Acme"), 125 Prospect, Passaic, N. J.

(Continued on following page)

Tile (Hollow, Building)—Continued

Adel Clay Products Co., Adel, Iowa
Alabama Clay Products Co., Farley bldg, Birmingham, Ala.
Alliance Brick Co., Alliance, Ohio
Alton Brick Co., Alton, Illinois
American Clay Products Co., 175 5th av, New York
Anness & Potter Fire Clay Co., Woodbridge, N. J.
Arizona Gypsum Plaster Co., Douglas, Ariz.
Athens Brick & Tile Co., Athens, Texas
Athens Pottery Co., Ft. Worth, Texas
Auburn Brick & Tile Co., Auburn, Iowa
Bannon P. Pipe Co., Louisville, Ky.
Bradford Brick & Tile Co., 2 Main, Bradford, Pa.
Cal. Brick Co., 604 Mission, San Francisco, Cal.
Cambria Clay Co., Patton, Pa.
Cannon & Co. ("Denison"), N Sacramento, Sacramento, Cal.
Chattanooga Sewer Pipe Works, W 11th & Cross, Chattanooga, Tenn.
Chicago Fire Brick Co., 133 W Washington, Chicago, Ill.
Clark N. & Sons, 116 Natoma, San Francisco, Cal.
Clay Products Co., Brazil, Ind.
Cleveland Builders' Supply & Brick Co., Leader-News bldg, Cleveland, Ohio
Coast Concrete Products & Bldg. Corp., Slauson av cor Iron, Los Angeles, Cal.
Coffeyville Shale Products Co., Coffeyville, Kan.
Columbia Brick Works, 302 E Main, Portland, Ore.
Coral Ridge Clay Products Co., Inter-Southern bldg, Louisville, Ky.
Dee Wm. E. Mfg. Co., 30 N La Salle, Chicago, Ill.
Denison Interlocking Tile Corp., Guardian bldg, Cleveland, Ohio
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Eugene Concrete Pipe Co., Eugene, Ore.
Federal Clay Product Co., Mineral City, Ohio
Fraser Brick Co., Dallas, Texas
Gamble & Stockton Co., Jacksonville, Fla.
Garden City Sand Co., Chamber of Commerce bldg, Chicago, Ill.
Green Tom Brick Co., Sioux City, Ia.
Haeger Brick & Tile Co., Coal City, Ill.
Humboldt Brick Mfg. Co., Humboldt, Kan.
Indiana Drain Tile Co., Brooklyn, Ind.
Interlocking Cement Tile Co., 82 9th, Oakland, Cal.
Iowa Clay Products Co., Washington, Ia.
Jenkins Brick Co., Montgomery, Ala.
Kahn Brick Co., Selma, Ala.
Kern Clay Products Co., 277 Hawthorne av, Portland, Ore.
Lanz M. Brick & Tile Co., 34th & Jane, Pittsburgh, Pa.
Longmont Brick & Tile Co. ("Le-Tex"), Longmont, Colo.
Los Angeles Brick Co., 503 Securities bldg, Los Angeles, Cal.
Los Angeles Concrete Tile Co. ("Lac-Tile"), Monterey Park, Cal.
Macomb Sewer Pipe Works, Macomb, Ill.
Madisonville Drain Tile Co., Madisonville, Ky.
Malvern Fire Clay Co., Malvern, Ohio
Maurer Henry & Son ("Maurer" Backing), 420 E 23d, New York
See adv index at end of book
Metropolitan Paving Brick Co., Canton, O.
Miller & Coulson (Dealer), 5743 Ellsworth av, Pittsburgh, Pa.
National Clay Products Co. ("National"), Muncie, Ind.
National Clay Works, Mason City, Ia.
NATIONAL FIREPROOFING CO. ("Natco"), 1100 Fulton bldg, Pittsburgh, Pa.
See adv index at end of book

National Fire Proofing Co.

General Offices: 150 Fulton Building
Pittsburgh, Pa.

Manufacturers of

Natco
Hollow Building Tile

For the walls of Industrial Buildings, Factories, Mill Buildings, Apartment Houses, Schools, Garages, Residences, Silos and similar structures.

National Stone Tile Co. ("Stone Tile"), 625 Market, San Francisco, Cal.
Nelsonville Brick Co., Columbus, Ohio
North Iowa Brick & Tile Co., Mason City, Iowa
Pacific Clay Products Co., 129 W 3d, Los Angeles, Cal.
Pioneer Brick & Tile Co., Rowell bldg, Fresno, Cal.
Pittsburgh Clay Products Co., Keenan bldg, Pittsburgh, Pa.
Rockford Brick & Tile Co., Rockford, Ia.
Roper Strauss Ferst Co., Birmingham, Ala.
S. P. Brick & Tile Co., Inc., Fresno, Cal.
St. Joseph Pressed Brick Co., St. Joseph, Mo.
Salmen Brick & Lumber Co., Ltd., Whitney bldg, New Orleans, La.
Shale Brick & Tile Co., Chillicothe, Mo.
Sheffield Brick & Tile Co., Sheffield, Ia.
Sheffield Tile Co., Sheffield, Ia.
Standard Brick & Tile Co., Worcester bldg, Portland, Ore.
Standard Stone & Brick Co., Bellaire, O.
Stockton Brick & Tile Co., McKinley av, Stockton, Cal.
Suburban Brick Co., Moundsville, W. Va.
Tramp Brothers, Creston, Ia.
Troy Fire Proofing Co., Troy, N. Y.
Turner J. F. Silo Co., Council Bluffs, Ia.
Vigo-American Clay Co., Terre Haute, Ind.
Vincent Clay Products Co., Ft. Dodge, Ia.
Western Brick Co., Danville, Ill.
Wichita Falls Brick & Tile Co., Wichita Falls, Texas

15589-90-1— Tile Importers

Holland American Tile Co., 1660 E 38th, Los Angeles, Cal.
Mart & Lawton (Milton Holling & Co.'s English Glazed Tile), 286 5th av, New York
Revis Wm. H., Inc. ("Welsh"), 140 W 42nd, New York

15592—Tile (Non-absorbent Floor)

Alhambra Tile Co., Newport, Ky.
American Encaustic Tiling Co., 16 E 41st, New York
Cambridge Tile Mfg. Co., Covington, Ky.
Grueby Faience & Tile Co., Perth Amboy, N. J.
Matawan Tile Co., Matawan, N. J.
Mosaic Tile Co., Zanesville, O.
National Tile Co., Anderson, Ind.
Old Bridge Enameled Brick & Tile Co., Old Bridge, N. J.
Pardee C. Works, Perth Amboy, N. J.
Robertson Art Tile Co., Morrisville, Pa.
Trent Tile Co., Trenton, N. J.

15593— Tile (Quarry)

Associated Tile Mfrs., Mosaic bldg, Beaver Falls, Pa.
Cal. Brick Co., 604 Mission, San Francisco, Cal.
Cannon & Co., N Sacramento, Sacramento, Cal.
Revis Wm. H., Inc. ("Welsh" Imp.), 140 W 42nd, New York
United States Roofing Tile Co., Parkersburg, W. Va.

15594—Tile (Recuperator Flue)

Chicago Tool & Kit Co. (Automobile & Tractor), 160 Whiting, Chicago, Ill.
Harbison-Walker Refractories Co., Farmers' Bank bldg, Pittsburgh, Pa.

Tile (Roofing)

See Roofing Tile, Various Kinds

15595— Tile (Rubber)

See also Mats & Matting, Rubber
American Abrasive Metals Co. ("Vulcanlun"), 50 Church, New York
Combination Rubber Mfg. Co., Bloomfield, N. J.
Goodrich B. F. Co. (Interlocking), Akron, Ohio
Goodyear Tire & Rubber Co. (Interlocking), Akron, O.
Hewitt Rubber Co. (Inlaid), Buffalo, N. Y.
Manhattan Rubber Mfg. Co., Passaic, N. J.
N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
New York Belting & Packing Co. (Interlocking), 91 Chambers, New York
Pennsylvania Rubber Co. ("Pennsylvania" Interlocking), Jeannette, Pa.
Salisbury W. H. & Co. ("Velvet"), 303 N Madison, Chicago, Ill.
United & Globe Ruber & Mfg. Co., Trenton, N. J.
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
Western Rubber Co. (Interlocking), Goshen, Ind.

15595a— Tile (Sewer)

Chicago Fire Brick Co., 133 W Washington, Chicago, Ill.
Columbus Sewer Pipe Co., Columbus, Ga.
Dickey W S Clay Mfg. Co., Kansas City, Mo.
Macomb Sewer Pipe Works, Macomb, Ill.
Macon Sewer Pipe Works, Macon, Ga.
Miller & Coulson (Dealer), 5743 Ellsworth av, Pittsburgh, Pa.
National Fireproofing Co., 1100 Fulton bldg, Pittsburgh, Pa.
See adv index at end of book
Ogden Sewer Pipe & Clay Co., Ogden, Utah
San Antonio Sewer Pipe Works, San Antonio, Texas
Southern Sewer Pipe Works, Birmingham, Ala.
Standard Sewer Pipe Works, Rome, Ga.
Texarkana Pipe Works, Texarkana, Texas

15596— Tile (Sidewalks)

See also Brick Manufacturers, Vitrified Paving
Nelsonville Brick Co., Nelsonville, O.

Tile (Slate)

See Slate Floor Tile

15596a—Tile (Terra Cotta Partition)

Cal. Brick Co., 604 Mission, San Francisco, Cal.
Chattanooga Sewer Pipe Works, W 11th & Cross, Chattanooga, Tenn.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Los Angeles Pressed Brick Co., 145 S Spring, Los Angeles, Cal.
Maurer Henry & Son, 420 E 23d, New York
See adv index at end of book
Miller & Coulson (Dealer), 5743 Ellsworth av, Pittsburgh, Pa.
U. S. Sidewalk Tile Co. ("Joannides Non-Skid"), 3150 Octavia, San Francisco, Cal.

15597— Tile (Terra Vitrea)

Alhambra Tile Co., Newport, Ky.
American Encaustic Tiling Co., 16 E 41st, New York
Beaver Falls Art Tile Co., Beaver Falls, Pa.
Matawan Tile Co., Matawan, N. J.
National Tile Co., Anderson, Ind.
Old Bridge Enameled Brick & Tile Co., Old Bridge, N. J.
Owens J. B. Floor & Wall Tile Co., Zanesville, O.
Pardee C. Works, Perth Amboy, N. J.
Robertson Art Tile Co., Morrisville, Pa.
Trent Tile Co., Trenton, N. J.
U. S. Encaustic Tile Works, Indianapolis, Ind.

15598—Tile (Vitreous Floor)

Alexander & Reid Co., 355 W 36th, New York
Alhambra Tile Co., Newport, Ky.
American Encaustic Tiling Co., 16 E 41st, New York
Associated Tile Mfrs., Mosaic bldg, Beaver Falls, Pa.
Cal. Brick Co., 604 Mission, San Francisco, Cal.
Cambridge Tile Mfg. Co., Covington, Ky.
Fiske & Co., 115 Federal, Boston, Mass.
Lage B. H., 434 Greenwich, New York
Matawan Tile Co., Matawan, N. J.
Mosaic Tile Co. (Also Semi-Vitreous or Encaustic), Zanesville, O.
National Tile Co., Anderson, Ind.
Old Bridge Enameled Brick & Tile Co., Old Bridge, N. J.
Owens J. B. Floor & Wall Tile Co., Zanesville, O.
Pardee C. Works, Perth Amboy, N. J.
Perth Amboy Tile Works, Perth Amboy, N. J.
Robertson Art Tile Co., Morrisville, Pa.
Rossman Robert Co., 154 W 49th, New York
Trent Tile Co. (White & Colored), Trenton, N. J.
U. S. Encaustic Tile Wks., Indianapolis, Ind.
U. S. Roofing Tile Co., Parkersburg, W. Va.
Wheeling Tile Co., Wheeling, W. Va.

15599-602—Tillers (Boat)

Wilcox Crittenden & Co., Inc., 444 S Main, Middletown, Conn.
See adv index at end of book

Time Detectors & Recorders

See Clocks (Time Recording System); also see Clocks (Watchman's); also see Recorders (Time)

15603— Timers (Egg)

Cassady Fairbank Mfg. Co., 6126 S Lasalle, Chicago, Ill.
Silver & Co., 304 Hewes, B'klyn, N. Y.

15604— Timers (Spark)

Akar Ignition Co. ("Akar") 149 W Berkley, Phila., Pa.
Barcy Nicholson Co. (For Fords), 2801 W Fort, Detroit, Mich.
Benford Auto Products Co. ("Hy-Power"), Mt. Vernon, N. Y.
Byrne, Kingston & Co., Kokomo, Ind.
Crouse-Hinds Co., Syracuse, N. Y.
Davis K. A. Mfg. Co. ("Harris Mag. Timer" for Fords), 167 13th, Oakland, Cal.
Dow Mfg. Co., Braintree, Mass.
Fulmer C. F. ("Invincible"), Plainfield, N. J.
Heinze Electric Co., Lowell, Mass.
Hill-Smith Metal Goods Co. ("H. S." for Automobiles), 82 Brookline av, Boston, Mass.
Kokomo Electric Co., Kokomo, Ind.
Langdon L. L. Co., 114 W 35th, Los Angeles, Cal.
McCulloch Mfg. Co. ("McCulloch" for Ford cars), 200 Old Colony av, Boston, Mass.

Mapson Mfg. Co., 2931 Whittier blvd, Los Angeles, Cal.
Master Timer Mfg. Co., 134 W 35th, Los Angeles, Cal.
Milwaukee Motor Products, Inc. ("Milwaukee" Ford), 760 30th, Milwaukee, Wis.
Milwaukee Stamping Co. (for Ford cars), W Allis, Milwaukee, Wis.
See adv index at end of book
Mosler A. R. & Co. ("Eccentric"), Mount Vernon, N. Y.
Newton E. C. Corp. ("Newton" Safety Ignition Governor), 2823 Silver, Los Angeles, Cal.
New York Coil Co., 338 Pearl, New York
Post & Lester Co. ("E. I. C."), 112 Allyn, Hartford, Conn.
Powell Muffler Co. ("Twentieth Century"), Utica, N. Y.
Rush W. S. & Co. (Rush & Timer Rollers), 118 N Daly, Los Angeles, Cal.
Schug Elec. Mfg. Co., 252 E Larned, Detroit, Mich.
Spitdorf Electrical Co., 98 Warren, Newark, N. J.

15605— Tin (Bar & Pig)

American Smelting & Refining Co., 120 B'way, New York
Atlantic Smelting & Refining Wks., 233 B'way, New York
Balfour, Guthrie & Co. (Imp.), 350 California, San Francisco, Cal.
Belmont Smelting & Refining Works, Inc. (All brands & alloys), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book

Tin BARS, BLOCKS AND PIGS, Feathered and Granulated ALL ALLOYS
Also Pig Lead, Ingot Copper Spelter, Babbitt, Solder.
BELMONT SMELTING & REFINING WORKS, Inc.
Gen'l Office: 328 Belmont Ave., Brooklyn, N. Y.

Brooklyn Alloys Co., 17 Walton, Bklyn, N. Y.
Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
Chadwick-Boston Lead Co., Boston, Mass.
Coates, Bennett & Reidenbach, Rochester, N. Y.
Eagle Picher Lead Co., 208 S La Salle, Chicago, Ill.
Eagle Smelting & Refining Works, 233 B'way, New York
Gilbert A. & Sons Brass Foundry Co., 4019 Forrest Park bldg, St. Louis, Mo.
Hayman Mich'l & Co., 856 E Ferry, Buffalo, N. Y.
Hendricks Bros., 49 Cliff, New York
Jacobson I. M. & Sons & Co. (Bar), 70 Catherine, Detroit, Mich.
Lazarus Lewis & Sons (Imp.), 61 Broadway, New York
LEAVITT C. W. & CO., 34 Church, New York *See adv index at end of book*
Lewis John T. & Bros. Co. (Bar), Lafayette bldg, Phila., Pa.
Lissberger Marks & Son, 231 Borden av, Long Island City, N. Y.
McInnes Charles E. & Co. (Pig), 2037 Market, Phila., Pa.
MAGNOLIA METAL CO., 113 Bank, New York *See adv index at end of book*
Maryland Brass & Metal Wks., Dept. H, Calvert & Federal, Baltimore, Md.
Metal & Thermit Corp., 120 B'way, New York
Mitsui & Co. (Imptrs.), 65 B'way, New York
More-Jones Brass & Metal Co. (Bars), B'way & Dock, New St. Louis, Mo.
Nassau Smelting & Refining Works, 609 W 29th, New York
National Copper Refining Co. (Pig), 7003 Quincy, Cleveland, O.
National Smelting Co., 16th & Texas, San Francisco, Cal.
Norden A. & Co. (Imp.), 60 Bearce, New York
O'Connor, J. J. & Co. (Dealers), Oliver bldg, Pittsburgh, Pa.
Peerless Alloy Co., Denver, Colo.
Philipp Bros., Inc., 233 Broadway, New York
Rochester Lead Works, 330 Exchange, Rochester, N. Y.
Selby Smelting Works, 201 1st, San Francisco, Cal.
Sofranscy H. Co. (Dirs.), Allentown, Pa.
Stanley Chemical Co., East Berlin, Conn.
Taylor N. & C. Co., 30 Chestnut, Phila., Pa.
Trench C. S. & Co., 11 Cliff, New York
Trotter Nathan & Co. (Imp. Pig Tin), 36 N Front, Phila., Pa.
Union Smelting & Refining Co. ("Usarco"), St. Charles, Newark, N. J.
United Lead Co. (Bar Tin), 111 B'way, New York
United Smelting & Aluminum Co. (Jobbers), 183-189 Commerce, New Haven, Conn.
United States Reduction Co., E Chicago, Ind.
Vernon Metal & Produce Co., 25 Beaver, New York
Vulcan Detinning Co. (Pig Tin), Sewaren, N. J.
Vulcan Detinning Co. ("Vulcan"), Republic Plant, Dept. H, Neville S, Pittsburgh, Pa.
Wensley Metal Products Co., 2232 Blake, Denver, Colo.

15605a— Tin (Bi-Chloride)

Grasselli Chemical Co., Guardian bldg., Cleveland, Ohio
Metal & Thermit Corp., 120 B'way, New York
Vulcan Detinning Co., Republic Plant, Dept. H, Neville S, Pittsburgh, Pa.

15606-7— Tin (Block)

Belmont Smelting & Refining Works, Inc. (All brands & alloys), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book
Brooklyn Alloys Co., 17 Walton, Bklyn, N. Y.
Chadwick-Boston Lead Co. (Sheet), Boston, Mass.
Eagle Picher Lead Co., 208 S La Salle, Chicago, Ill.
MAGNOLIA METAL CO., 113 Bank, New York *See adv index at end of book*
Rochester Lead Works, 330 Exchange, Rochester, N. Y.
Stanley Chemical Co., East Berlin, Conn.
United Lead Co. (Sheet), 111 B'way, New York
United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.

15607a— Tin (Chloride)

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg. Cleveland, O.
See adv index at end of book
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

15608— Tin Crystals

Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
General Chemical Co., 40 Rector, New York
Grasselli Chemical Co., Guardian bldg., Cleveland, O.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg. Cleveland, O.
See adv index at end of book
Innis, Speiden & Co. Inc., 46 Cliff, New York
Klipstein A. & Co. (Imp.), 644 Greenwich, New York
Mallinchrodt Chemical Works, 2d & Mallinchrodt, St. Louis, Mo.
See adv index at end of book
Merrimac Chemical Co., 148 State, Boston, Mass.
Vulcan Detinning Co., Republic Plant, Dept. H, Neville S, Pittsburgh, Pa.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

15608a— Tin (Feathered)

Belmont Smelting & Refining Works, Inc. (Belmont Brand), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book
Wiarda John C. & Co., 83 Provost, B'klyn, New York *See adv index at end of book*

15609— Tin Foil

Beechnut Foil Co., 148H 39th, Brooklyn, N. Y.
Budde & Westermann, 7th av & 29th, New York
Conley Foil Co. (Wrapping Machine Foil), 541 W 25th, New York
Crooke Jno. J. Co., 120 B'way, New York
Gardiner Metal Co., 1364 W Lake, Chicago, Ill.
Hutchinson, W. H. & Son, 2101 Walnut, Chicago, Ill.
Johnston Tin Foil & Metal Co., 6106H S B'way, St. Louis, Mo.
Lehmaier, Schwartz & Co., 207 E 22nd, New York
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
Philipp Bros., Inc., 233 Broadway, New York
Wittemann Bros., 41 Ferris, Brooklyn, N.Y.

15609a— Tin Oxide

Chrystal Chas. B. Co., Inc. (Jobbers), 12 Cliff, New York
See adv index at end of book
Drakenfeld B. F. & Co., Inc., 50 Murray, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg. Cleveland, O.
See adv index at end of book
Johnston & Jennings Co., Addison rd & N. Y. C. R. R., Cleveland, Ohio
Loraine Smelting & Refining Co., 25 N Dearborn, Chicago, Ill.
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Metal & Thermit Corp., 120 B'way, New York
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book
Vitro Manfg. Co., H, Bessemer bldg, Pittsburgh, Pa.
Vulcan Detinning Co., Republic Plant, Dept. H, Neville S, Pittsburgh, Pa.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

15610-11— Tin Plate Bars

See also Black Plates for Tinning

Andrews Steel Co. (Acid & Basic Open Hearth Steel), Newport, Ky.
Carnegie Steel Co. (Bessemer Steel), Carnegie bldg, Pittsburgh, Pa.
Republic Iron & Steel Co., Youngstown, O.
See Branch Offices Alphabetical Section.
Taylor N. & G. Co. Inc., 300H Chestnut, Phila., Pa.

Tin Plate Dipperies

See Tin Plate Manufacturers

15612— Tin Plate Mfrs.

See also Black Plates for Tinning; Also Tin Plate Bars

American Sheet & Tin Plate Co. (Tin & Terne Plate), Frick bldg, Pittsburgh, Pa.
American Steel Co., Park bldg, Pittsburgh, Pa.
American Tin & Terne Plate Co., 24th & Vine, Philadelphia, Pa.
APOLLO PRODUCTS CO. (Nickeled & Polished, also Plated, Brass, Copper or Oxidized Sheets, Nickeled Tin, Brassed Tin, Coppered Tin, "Apollo-Nickel Zinc," etc), La Salle, Ill.
Baker-Payne-Voye Co. (Dirs.), 1177 Adams, Boston 24, Mass.
Berger Mfg. Co., 1038 Belden av N E, Canton, O.
Buhl Stamping Co. (Tin Plate for Their Own Consumption Only), Scotten, Detroit, Mich.
Canonsburg Steel & Iron Works (Tin & Terne Plate), Canonsburg, Pa.
Cincinnati Stamping Co., 24 W McMicken av, Cincinnati, O.
Follansbee Bros. Co. (Bright Charcoal, Tin & Terne Plate, "Banfield Best Bright," "Gilbert" & "Rosedale"), 3rd & Liberty, Pittsburgh, Pa.
Falcon Tin Plate Co., Niles, Ohio
Griffiths Charcoal Iron Mills (Tin Plate Only), Washington, Pa.
Hibbard Spencer Bartlett Co., 303 N State, Chicago, Ill.
Independent Steel Corp., 111 Broad, New York
Jones & Laughlin Steel Co. (Bright Coke Plates; also Black Plate), Ross, Pittsburgh, Pa.
Lalance & Grosjean Mfg. Co. (Tin Plate for Their Own Consumption Only), 299 B'way, New York
Larkin J. K. & Co. (& Terne), 253 B'way, New York *See adv index at end of book*
McKeesport Tin Plate Co. (Tin Plate Only), McKeesport, Pa.
Mansfield Sheet & Tin Plate Co., Mansfield, O.
MERCHANT & EVANS CO. (Bright Roofing), Washington av. & 21st, Philadelphia, Pa.
Meurer Geo C. Co. (Tin & Terne Plate, Buy Black Plates), 22 Clay, Brooklyn, N. Y.
Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, O.
See adv index at end of book
National Enameling & Stamping Co., 411 5th av, New York
Ohio Corrugating Co., Warren, Ohio
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Piper J. A. Roofing Co., Greenville, S. C.
Reeves Mfg. Co., Dover, O.
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
Standard Tin Plate Co. (Tin & Terne Plate), Cannonsburg, Pa.
Taylor N. & G. Co. (Tin & Terne Plate & Roofing), Mariner & Merchant bldg, Phila., Pa.
Trumbull Steel Co., Warren, O.
Wagner J. F. Sons Co., 1145 S 7th, Louisville, Ky.
Washington Tin Plate Co. (Tin & Terne Plate), Washington, Pa.
Weirton Steel Co. (Tin & Terne Plate, Cokes & Charcoal), Weirton, W. Va.
Wheeling Corrugating Co., Wheeling, W. Va.
Wheeling Steel Corp. (Long Terne Sheets), Wheeling, W. Va.

15613—Tin Plate, Metals, Etc.

See also Roofing & Siding, Iron & Steel; also Tin Plate Manufacturers

ALABAMA.

MOBILE—Mobile Steel Co.
NEW DECATUR—Decatur Cornice & Roofing Co.

(Continued on following page)

Tin Plate, Metals, etc.—Continued

ARKANSAS.

LITTLE ROCK—Fones Bros. Hdw. Co.

CALIFORNIA.

LOS ANGELES—Harper & Reynolds Co., 152 N Main
Holbrook, Merrill & Stetson, 750 S Central av
Little & Robertson, 2020 E 37th
Pacific Pipe & Supply Co., 1002 Santa Fe av
OAKLAND—Oakland Sheet Metal Supply Co., 889 Apgar
SAN DIEGO—Western Metal Supply Co.
SAN FRANCISCO—Balfour, Guthrie & Co., 350 California
Dalziel-Molier Co., 556 Mission
Dunham, Carrigan & Hayden Co. (also Iron & Steel), Kansas & Division
Garrett W. T. & Co., 299 Fremont
Holbrook, Merrill & Stetson, 6th & Bluxome
Marshall, Newell Supply Co. (Steel Bars, etc.), Spear & Mission
Pacific Metal Works, 153 1st
Scovel Iron Store Co., 754 Howard
Simon Bros. (Iron & Steel), 981 Mission
Soule Edw. L. Co. (Iron & Steel Products of All Kinds), Rialto bldg.
Speddy T. H. & Co., 73 Main

COLORADO.

DENVER—Crosta C. A. Bros.
Rowntree Jno. T., Cham. of Comm. bldg
Wensley Metal Products Co., 2232 Blake

CONNECTICUT.

BRIDGEPORT—Chapman & Bangs Co., 353 Water
Hunter & Havens
HARTFORD—Blodgett & Clapp Co., 1417 Main
Ensworth L. L. & Son, 344 Front
NEW HAVEN—Mersick C. S. & Co.

DISTRICT OF COLUMBIA.

WASHINGTON—Adler M. J., C. P. Ash Co., 3148 M, N W
Fries, Beall & Sharp Co., 734 10th, N W
Kendall J. B. Co., 455 Mo. av

FLORIDA.

JACKSONVILLE—Hebb H. W. Supply Co.
Hubbard S. B. Co.

GEORGIA.

ATLANTA—Conklin Tin Plate & Metal Co.
SAVANNAH—Weed J. D. & Co.

ILLINOIS.

AURORA—Messenger & Parks Mfg. Co.
CHICAGO—Allerton Clarke Co., 74 W Lake
Johnston Jno. & Co., 311 W Lake
McVoy Sheet & Tin Plate Co., 1042 W 36th
Merchant & Evans Co., 347 Sheldon
Scully Steel & Iron Co., 2364 S Ashland av
PEORIA—Hunter & Strehlow Co.
Johnson Chas. Hardware Co.
Meyer F. & Bro. Co., Peoria, Ill.
Walker Isaac Hdw. Co.
QUINCY—Tenk Hdw. Co. (Bar Steel)
SPRINGFIELD—Illinois Art Metal Co.

INDIANA.

ANDERSON—Gedge Bros. Iron Roofing Co.
EVANSVILLE—Thiele I. A. Co., 108 S 3rd
INDIANAPOLIS—Indianapolis Stove Co., Roosevelt & Columbia
Standard Metal Co., 135 S Pennsylvania
Tanner & Co., 409 S Penn
Van Camp Hdw. & Iron Co., 401 W Maryland
RICHMOND—Jones Hardware Co.

IOWA.

BURLINGTON—Donahue Robt. Iron & Hardware Co.
DES MOINES—Luthe Hdw. Co.
DUBUQUE—Klauer Mfg. Co.
WATERLOO—Cutler Hardware Co.

KANSAS.

ATCHISON—Blish, Mize & Silliman Hdw. Co.
Harwi A. J. Hardware Co.
LEAVENWORTH—Crancer Hardware Co.

KENTUCKY.

LOUISVILLE—Belknap Hardware & Mfg. Co.
Bridgeford Co.
Conner Chas. H. & Co., 17th & Arbequst
Stratton & Terstegge Co., 15th & Main
MANCHESTER—Pike & Heald Co.

LOUISIANA.

NEW ORLEANS—New Orleans Roofing & Metal Co., Cortez & Orleans
Woodward Wight & Co. (Iron & Steel), Dept. H, Howard av & Constance

MAINE.

EASTPORT—Milliken B. F. & Son (Canners' Supplies)
LEWISTON—Stetson J. H. Co.

MARYLAND.

BALTIMORE—Ammidon & Co., 31 S Frederick
Central Metal & Supply Co. (Brass & Copper), 611 E Lombard
De Ved & Sons Sash Weight Co., 807 So Howard
Kahl-Holt Co., 111 S Charles
Lyon Conklin & Co., 19 Balderston
Merchant & Evans Co. (Inc.), 232 St. Paul
Nelson C. H. Metal Co., 217 W Camden
Parker E. L. & Nimmo Co., 203 S Charles
Steel & Tin Products Co., 2100H Aliceanna

MASSACHUSETTS.

BOSTON—Austin & Doten, 102 North
Avery & Saul, 299 Dorchester av
Brown-Wales, 489 C
Fitz, Dana & Co., 110 North
Gallagher D. F. & Co., 37 Commercial wf
Harvey Arthur C. Co., Allston Dist.
Herrick Co., 49 Broad
Livermore Homer F., Inc. (Metals), 85 Pearl
Lloyd Geo. H., 131 State
Richards & Company, 192 Beverly
SPRINGFIELD—Lewis Chas. C. Co.
New England Plumbing Supply Co.
WORCESTER—McGuinness J. F., 99 Foster

MICHIGAN.

BATTLE CREEK—Bock-Walker Co.
Brockett L. B. & Son
DETROIT—Buhl Sons Co., 102 Woodbridge W
Burton W. J. Co., 5650H Federal
Standard Bros. Hdwe. Corp., 501 Jefferson av
Walker Mfg. & Supply Co., Shelby & Woodbridge
GRAND RAPIDS—Foster, Stevens & Co.
Hopson W. C. Co.
KALAMAZOO—Edwards & Chamberlain Hdw. Co.
SAGINAW—Valley Cornice & Slate Co., (Ltd.)

MINNESOTA.

MINNEAPOLIS—Janney, Semple, Hill & Co., 1st av, S & 2d
NEW DULUTH—Western Steel Products Co.
ST. PAUL—Decker, Adam Hardware Co. (Est. of), 347 Jackson
Farwell, Ozmun, Kirk & Co.
Hackett-Gates-Hurty Co., Fourth & Rosabel
WINONA—Cone R. D. Co.

MISSOURI.

KANSAS CITY—Gille Mfg. Co., 1423 W 9th
Merchant & Evans Co., 2008 Baltimore av
Richards & Conover Hardware Co.
ST. JOSEPH—Wyeth Hdw. & Mfg. Co.
ST. LOUIS—Hammond Sheet Metal Mfg. Co., 2d & Cass av
Souther E. E Iron Co., Kienlin & Hamburger
Winchester-Simmons Co., 9th & Spruce
Witte Hardware Co., 706 N 3d

NEW HAMPSHIRE.

MANCHESTER—Pike & Heald Co.

NEW JERSEY.

BAYONNE—Bayonne Supply Co.
ELIZABETH—Elizabeth Hdw. Co.
JERSEY CITY—Letcher R. J. & Son, 191 Morgan
Norton John S. Co., 72 Hudson
NEWARK—Coe Jas. A. & Co., 401 Mulberry
Egbert W. V. & Co., 37 Mechanic
Faitoute Iron & Steel Co., 180 Frelinghuysen av

NEW YORK.

ALBANY—Hoy & Co.
AUBURN—Smith & Pearson
BUFFALO—Beals, McCarthy & Rogers, 44 Terrace
Buffalo Wholesale Hdw. Co., 317 Washington
Newman W. H. H. & Co., 70 Main
Republic Metalware Co., 100 Alabama
Walbridge & Co., 392 Main
Weed & Co., 95 Swan
ELMIRA—Booth Irving D.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Meurer Geo C. Co., 22 Clay

Boroughs of Manhattan and Bronx.

NEW YORK—Bischoff C. & Co., 451 Washington
Bruce & Cook, 190 Water
De Milt H. R. Co., 238 Water
Dickerson, Van Dusen & Co., 32 Cliff
Fitz-Dana & Brown, 441 Pearl
Glokner & Blue Co. (Tinsmiths), 171-173 Lincolnn av
Hoffman & Scofield (Sheet Metals), 100 Beekman
Larkin J. K. & Co., 253 Broadway
See adv index at end of book
Merchant & Evans Co., 242 Water
Naylor & Co. (Terne), 120 Broadway
Philipp Bros., Inc., 233 Broadway
Sanborn John & Son (Bars, Pigs & Ingots), 214 Front
Selikowitz S. D. (Mill Agent), 90 West
Simon & Mills, Inc. (Tin Plate Only), 25 Leonard
Veithardt Steel & Metal Corp., 15 Park Row

(End of New York City)

NIAGARA FALLS—Kessler M. E. (Dirs.), P. O. Box 180
SCHENECTADY—Case, Levi & Co.
SYRACUSE—Burhans & Black (Inc.)
TROY—Warren J. M. & Co.
WATERTOWN—Hunting Co.

OHIO.

AKRON—Kasch Roofing Co.
CINCINNATI—Cincinnati Stamping Co., 24 W McMicken av
EDWARDS MFG. CO., 545-565 Eggleston av *See adv index at end of book*
Huenefeld Co.
Lawson F. H. Co.
McDonald Jas. & Sons Co.
Porter Iron Roofing & Corrugating Co., 522 Culvert
Robertson W. F. Steel & Iron Co. (Sheet Iron & Steel, Tin & Terne Plates, etc), Elm & Commerce
Scott Roofing & Mfg. Co., 408 Culvert
CLEVELAND—Bingham W. Co., 1272 W 9th
Luetkemeyer Co., 725 Superior av, N W
Osborn J. M. & L. A. Co.
Worthington Geo. Co., 802-832 St. Clair av N W
COLUMBUS—Mithoff H. & Co., 214 S High
Schoedinger F. O., 346 Mt. Vernon av
DAYTON—Ohio Metal & Mfg. Co., Monument & Taylor
FOREST—Dickelman Mfg. Co.
IRONTON—Ironton Roofing & Corrugating Co.
LISBON—Armstrong P. M. & Co.
MANSFIELD—Blymer Bros. Co.
TIFFIN—Tiffin Art Metal Co., 20 Broad
TOLEDO—Bostwick-Braun Co.
Stollberg Hardware & Paint Co.
YOUNGSTOWN—Wilkoff Co.

OREGON.

PORTLAND—Pacific Metal Works, 81 N Park

PENNSYLVANIA.

ALLENTOWN—Young M. S. & Co.
LANCASTER—Raub Supply Co.
Steinman Hardware Co.
PHILADELPHIA—Berger Bros. Co. (Also Tinners' Tools & Supplies), 229 Arch
Berger L. D. Co., 59 N 3d
Carter, Donievy & Co., 1012 Cherry
Gummey, McFarland & Co., 147 N 10th
Hall & Carpenter, 518 Race
Jolley J. H. & Co., 42 N 5th
Knoedler Fred J., 68 N 2d
Lukens Thos. F., Metal Co., 238 N 4th
McCalla Harold Co., Beach & Columbia, Delaware River
McInnes Charles E. & Co., 2037 Market
Marshall Bros. & Co., Front & Girard av
Porter C. B. Co., 128 N 2d, Phila., Pa.
Potts W. F. Son & Co., 1224 Cherry
Riter Bros. & Co., 1022 Race
Stelwagon Mfg. Co., 19th & Washington
PITTSBURGH—Demmler Bros. Co., 100 Ross
Follansbee Bros. Co., 3rd & Liberty
McClure Johnston & Co., 1148 Liberty av
READING—Stichter Hardware Co.
WILKES-BARRE—Eastern Pennsylvania Supply Co.
WILLIAMSPORT—Kline & Co.
YORK—Small P. A. & S. Co.
York Corrugating Co.

RHODE ISLAND.

PROVIDENCE—Congdon & Carpenter Co., 155 Canal

TENNESSEE.

MEMPHIS—Pidgeon-Thomas Iron Co.

TEXAS.

AUSTIN—Tips Walter Co.
FORT WORTH—Nash Hardware Co.
GALVESTON—Parr Wm. & Co.
HOUSTON—Heitmann F. W. Co.
Peden Iron & Steel Co.
LAREDO—Deutz A. & Bro.

UTAH.

SALT LAKE CITY — Strevel Paterson Hardware Co.

VERMONT.

BARRE—Phelps N. D. Co.

VIRGINIA.

LYNCHBURG—Barker-Jennings Hdw. Co.
Handy N. B. Co.
RICHMOND—Gordon Metal, 14th & Dock
Lindsay J. L. Inc., 1321 E Main
Southern Railway Supply Co., 1323 E Main

WISCONSIN.

MILWAUKEE—Frankfurth Wm. Hdw. Co., 119 W Water
Milwaukee Corrugating Co.
Pritzlaff Jno. Hardware Co., 51 W Water
SHEBOYGAN—Geele F. Hardware Co.

15614— Tin Salts

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Thomsen Chemical Co., Race & Winder, Baltimore, Md.

15614a— *Tin (Taggers)

Merchant & Evans Co., Washington av & 21st, Phila., Pa.
Weirton Steel Co., Weirton, W. Va.

Tinners' Furnaces

See Furnaces, Gasoline Blast

15614b—Tinners' Supplies, Etc.

See also Index of Contents for Specific Articles Wanted

Friedly Voshardt Co. (Dirs.), 733H S Halsted, Chicago, Ill.
Glokner & Blue Co., 171-173 Lincoln, New York
Knoedler Fred J., 68H N 2d, Phila., Pa.
Lyon, Conklin & Co., Inc., Race & McComas, Baltimore, Md.
Ohio Metal & Mfg. Co., Monument & Taylor, Dayton, O.
Schoedinger F. O., 346 Mt. Vernon av, Columbus, O.
SHEET METAL MFG. CO., Box 508, Youngstown, Ohio
Southern Railway Supply Co., 1323 East Main, Richmond, Va.
Spokane Sheet Metal Supply Co., 806 N Madela, Spokane, Wash.

15614c—Tinners' Tools & Machinery

Knoedler Fred J., 68H N 2d, Phila., Pa.
Mobile Steel Co., Mobile, Ala.
Schoedinger F. O., 142 N 3d, Columbus, O.
Schlatter C. C. & Co. (Dirs.), Fort Wayne, Ind.

15615— Tinners' Trimmings

Central Stamping Co., 206 B'way, New York
Hero Mfg. Co., 1421 Chestnut, Philadelphia, Pa.
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
Vogel Wm. & Bros., 37 S 9th, Brooklyn, N. Y.
Wire Novelty Mfg. Co., West Haven, Conn.

15615a— *Tinning

McDOWELL MFG. CO. (THE) (Millvale Sta.), Pittsburgh, Pa.
See adv index at end of book
Wilcox Crittenden & Co., Inc. (Hot), 444 S Main, Middletown, Conn.
See adv index at end of book

HOT TINNING
Tinned Gray Iron Castings
a Specialty; Machined if desired
Wilcox, Crittenden & Co., Inc.
444 So. Main St., Middletown, Conn.

15616—Tinning Sheets (Copper)

Taunton-New Bedford Copper Co., Taunton, Mass.

15617— Tinning Sheets (Yellow Metal)

Taunton-New Bedford Copper Co., Taunton, Mass.

15618—Tinning & Japanning

Am. Blower Co. (Japanning), 6004 Russell, Detroit, Mich.
American Foundry & Mfg. Co. (Japanning), Frederick, Md.
Bonney Forge & Tool Works (Japanning), Tellghman, Allentown, Pa.
Buffalo Galvanizing & Tinning Works, (Tinning Only), 49 Jackson, Buffalo, N. Y.
Buhl Stamping Co., Scotten & M. C. R. R., Detroit, Mich.
Cassady, Fairbank Mfg. Co. (Tinning Only), 6126 S Lasalle, Chicago, Ill.
Cattle Bros. Co. (Tinning), Gaul & Adams, Phila., Pa.
Cheney S. & Son (Japanning), Manlius, N. Y.
Chicago Hardware Foundry Co. (Japanning), N Chicago, Ill.
Cincinnati Stamping Co., 24 W McMicken av, Cincinnati, O.
Colebrookdale Iron Co., Pottstown, Pa.
Devlin Thos. Mfg. Co., 3d & Lehigh av, Phila., Pa.
Doering C. & Son (Tinplating Only), 1375 W Lake, Chicago, Ill.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Elbel Co., Canton, O.
Frazer & Jones Co., Syracuse, N. Y.
Geuder, Paeschke & Frey Co. (Japanning, All Colors), 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Globe Machine & Stamping Co. (Japanning Only,) 1250 W 76th, Cleveland, Ohio
Grabler Mfg. Co., Cleveland, O.
Hassall John (Inc.) (Tinning), Clay & Oakland, Brooklyn, N. Y.
See adv index at end of book
Highton Wm. & Sons Co. (Japanning Only), Nashua, N. H.
Hopson & Chapin Mfg. Co. (Japanning Only), New London, Conn.
Johnson Tinning & Mfg. Co., Modesto, Cal.
Lefferts Galvanizing Works (Tinning Only), 508 E 20th, New York
Malleable Iron Fittings Co., Branford, Conn.
North Buffalo Hardware Foundry Co. (Japanning Only), 743 Hertel av, Buffalo, N. Y.
Ohio Foundry Co. (Japanning Only), E 71st & Stanton, Cleveland, O.
Parkesburg Stamping & Mfg. Co. (Tin Plating on Iron), Parkesburg, Pa.
Phila. Hardware & Malleable Iron Works (Inc.), 9th & Jeff'n, Phila., Pa.
Phoenix Metal Stamping Co., 2827H W Fletcher, Phila., Pa.
Racine Malleable & Wrought Iron Co., Racine, Wis.
Rattan Mfg. Co., New Haven, Conn.
Rockford Metal Specialty Co., Rockford, Ill.
Rudman & Scofield, 277 Pearl, New York
Sanitary Tinning Mfg. Co., 3781 E 93d, Cleveland, O.
Sessions J. H. & Son, Bristol, Conn.
Stirrup Mfg. Co., Inc. (Japanning), Market, Newark, N. J.
Two Rivers Plating Works, Two Rivers, Wis.
White Mountain Freezer Co. (Tinning & Galvanizing), Nashua, N. H.
Wilcox Crittenden & Co., Inc., (Trimmings & Castings of All Kinds), 444 S Main, Middletown, Conn.
See adv index at end of book
Wrightsville Hardware Co., Wrightsville, Pa.

15619— Tintometers

Elmer & Amend ("Lovibond"), 205 E 18th, New York

15620— Tinware Mfrs.

See also Enameled Ware Mfrs.; also Aluminum Hollow Ware; also Stamping, Various Kinds
Aldrich Mfg. Co. ("Aldrich," "Buffalo"), 57 Illinois, Buffalo, N. Y.
AMERICAN CAN CO., 120 B'way, New York *See adv index at end of book*
Ammidon & Co. ("Amico"), 31 S Frederick, Baltimore, Md.
Baltimore Stamping & Enameling Co., 909 E Pratt, Baltimore, Md.
Bertels W. B. & Son Co. Inc., Wilkes-Barre, Pa.
Central Stampinig Co. ("Puritan"), 206 B'way, New York
Cincinnati Stamping Co., 24 W McMicken av, Cincinnati, O.
Coonley Mfg. Co. ("Roco Brand," "Clyde Brand"), Cicero, Ill.
Empire Tin Ware Co., 29 So 5th, Bklyn, N. Y.
Federal Enameling & Stamping Co., Thompson & Chartiers, Pittsburgh, Pa.
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Gem Stamped Steel Co., Chelsea, Mass.
GEUDER, PAESCHKE & FREY CO. (Complete Line), 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Gille Mfg. Co., 1423 W 9th, Kansas City, Mo.
Handlan-Buck Mfg. Co., 319 N 3rd, St. Louis, Mo.
Herbst Bros. ("Mission Maid"), 1939 H Mission, San Francisco, Cal.
Kieckhefer Box Co., 133 W Water, Milwaukee, Wis.
Knoxville Tinware Mfg. Co., Knoxville, Tenn.
Kraft A. C. (Druggists & Painters), 323 W Lake, Chicago, Ill.
Kreamer A. Inc. (Heavy), 307 Kent av, Brooklyn, N. Y.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Lawrence-Bostwick Mfg. Co. (Ltd.), Phelps, N. Y.
Lisk Mfg. Co. (Ltd.) ("Lisk" Anti Rust), Canandaigua, N. Y.
McAleer E. J. & Co., 1422 N 8th, Phila., Pa.
McLaughlin Co., Inc., Brockport, N. Y.
National Enameling & Stamping Co., 411 5th av, New York
National Metal Ware Co., 1200 Flushing av, Brooklyn, N. Y.
Nichthauser & Levy, 252 Java, Brooklyn, N. Y.
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Peoria Can Co., Peoria, Ill.
Porter C. B. Co., 128 N 2d, Phila., Pa.
Reed Mfg. Co. ("Reed"), Newark, N. Y.
Repath Mfg. Co., 649 E 61st, Los Angeles, Cal.
Republic Metalware Co., 100 Alabama, Buffalo, N. Y.
Richardson Mfg. Co. ("Perfection"), Bath, N. Y.
Rochester Can Co. ("Iron Horse" Dairy Pails, etc.), 89 Hague, Rochester, N. Y.
Rudman & Scofield (Ship), 277 Pearl, New York
Schaffer Tinware Mfg. Co., 76 Sedgwick, Brooklyn, N. Y.
Schlesinger Leo & Co., 537 Greenwich, New York
Schlueter Mfg. Co. ("Imperial"), Bway & John av, St. Louis, Mo.
Standard Stamping Co., B'way & Chambers, St. Louis, Mo.
Steel & Tin Products Co., 2100 H Alicеanna, Baltimore, Md.
Stratton & Terstegge Co. (Stamped & Japanned), 15th & Main, Louisville, Ky.
Sullivan-Geiger Co. (Round Miners'), Indianapolis, Ind.
Taylor N. & C. Co., 300 Chestnut, Phila., Pa.
Troy Stamping Works, Troy, N. Y.
Western Tinware Co., St. Louis, Mo.
Western Tin & Japan Mfg. Co. (Japanned & Stamped), 1013 Walnut, Cincinnati, Ohio
Wilkes-Barre Can Co (Miners'), Penna av & Butler, Wilkes-Barre, Pa.

Tipples (Coal)

See Tipples, Mine

15621— Tipples (Mine)

American Bridge Co. (Coal), 30 Church, New York
BARTLETT & SNOW CO. C. O., (Coal), French, Cleveland, O.
See adv index at end of book
Decatur Bridge Co., Decatur, Ill.
Dravo Contracting Co., 1100 Diamond Bank bldg, Pittsburgh, Pa.
Eagle Iron Works, Terre Haute, Ind.
Fairbanks, Morse & Co. (Designers & Builders of Coal Tipples & Pockets), 900 S Wabash av, Chicago, Ill.
Fairmont Mining Machinery Co. (Steel & Wood), Fairmont, W. Va.
Farris Bridge Co. (Steel, Coal), Charleston, W. Va.
Helmick Fdry. & Mach. Co., Fairmont, W. Va.
Heyl & Patterson (Coal, Steel), 51 Water, Pittsburgh, Pa.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
Kanawha Mfg. Co., Charleston, W. Va.
Knoxville Foundry & Machine Co., Knoxville, Tenn.
LINK-BELT COMPANY (Steel or Wood for Coal, etc.), 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
McClintic-Marshall Company (Steel), Oliver bldg, Pittsburgh, Pa.
Marion Mach. Tool Fdry & Supply, Marion, Ind.
Minneapolis Steel & Machinery Co. (Steel), 2854 Minnehaha av, Minneapolis, Minn.
Morrow Mfg. Co. (Steel), Wellston, O.
Nashville Bridge Co., Nashville, Tenn.
Ottumwa Box Car Loader Co. (Steel Tipples & Shaker Screens), Ottumwa, Ia.
Penn. Bridge Co. (Steel, Coal), Beaver Falls, Pa.
Phillips Mine & Mill Supply Co., 3221 Jane, Pittsburgh, Pa.
Pittsburgh Coal Washer Co. (Coal), Fulton bldg, Pittsburgh, Pa.
PITTSBURGH-DES MOINES STEEL CO., 304 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Roberts & Schaefer Co. (Engineers & Contractors), 1110 Wrigley bldg, Chicago, Ill.
Sanford-Day Iron Works, Knoxville, Tenn.
SCAIFE WM. B. & SONS CO. (Steel), First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
Stephens-Adamson Mfg. Co. ("S.-A." Coal), Aurora, Ill.

(Continued on following page)

Tipples (Mine)—Continued

Union Engineering Co., Cuyahoga & W 4th, Cleveland, O.
United Iron Works, Inc., Kansas City, Mo.
Virginia Bridge & Iron Co. (Steel, Coal), Roanoke, Va.
WEBSTER MFG. CO., 4500-60 Courtland, Chicago, Ill.
See adv index at end of book
Wellman-Seaver-Morgan Co. (Steel), E 70th & Central av, Cleveland, Ohio
What Cheer Tool Co. ("Walker" Revolving), What Cheer, Ia.
Wisconsin Bridge & Iron Co. (Steel), North Milwaukee, Wis.
See adv index at end of book

15622-3—Tips (Chair & Crutch, Rubber)

Bailey C. J. & Co. ("Wont Slip"), 88 Broad, Boston, Mass.
Combination Rubber Mfg. Co., Bloomfield, N. J.
Continental Rubber Works, Erie, Pa.
Elastic Tip Co. ("Stetson"), 370 Atlantic av, Boston, Mass.
Faultless Rubber Co. (Crutch Only), Ashland, O.
Foster Rubber Co., 105 Federal, Boston, Mass.
Goodrich B. F. Rubber Co., Akron, Ohio
Laurel Co. (Rubber Gas Tubing Tips), Garfield, N. J.
National India Rubber Co., Bristol, R. I.
New York Belting & Packing Co., 91 Chambers, New York
Quaker City Rubber Co., 672 Market, Phila., Pa. *See adv index at end of book*
Schacht Rubber Mfg. Co., Huntington, Ind.
Tyer Ruber Co., Andover, Mass.
U. S. Rubber Co., 1790 Broadway, New York *See adv index at end of book*

15623a1—Tips (Conical & Straight)

Nordens & Co. (for Shoe & Corset Laces), Providence, R. I.

15623a—Tips (Cutting & Welding)

Air Reduction Sales Co., 342 Madison av, New York

15624—Tips (Electric Cord)

Belden Mfg. Co., 2216 S Western av, Chicago, Ill.
Central Machine & Supplies Co., 148 Chambers, New York
Harward Electric Co., 525 W Van Buren, Chicago, Ill.
McEvoy, Chas. H., Lowell, Mass.
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
Rome Wire Co., Rome, N. Y.
See adv index at end of book
Runzel-Lenz Electric Mfg. Co., 1751 N Western av, Chicago, Ill.

15624a— *Tips (Flagstick)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

15625— Tips (Gas Burner)

American Lava Corp. (Lava), Chattanooga, Tenn.
Crescent Burner Mfg. Co., 247 Park av, New York
General Ceramics Co. (Incandescent), 50 Church, New York
Kirchberger M. & Co. (Imp. Lava), 14th av & 37th, Brooklyn, N. Y.
Steward D. M. Mfg. Co. ("E. H."), Chattanooga, Tenn.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
Tennessee Burner Mfg. Co., Chattanooga, Tenn.
Thurnauer G. M. Co. (Importers, Lava), 6 E 20th, New York

15626—Tips (Gas Tubing, Rubber)

Boston Woven Hose & Rubber Co., Cambridge, Mass.
Empire Tire & Rubber Corp., Trenton, N. J.
Laurel Co., Garfield, N. J.
Schacht Rubber Mfg. Co., Huntington, Ind.

15627— Tips (Hame)

Frazer & Jones Co. ("Globe," "Eastern"), Syracuse, N. Y.

15628— Tips (Mine Car)

Grant Iron Works ("Wren's"), Mahony City, Pa.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Sanford-Day Iron Works, Knoxville, Tenn.

15629— Tips (Neck Yoke)

Searls Mfg. Co., 29 Mulberry, Newark, N. J.

15630—Tips or Caps (Railway)

Western Brass Mfg. Works, Marshall blvd & W 21st, Chicago, Ill.

15631— Tips (Screw)

Elastic Tip Co. (Slotted Rubber Head), 370 Atlantic av, Boston, Mass.
National India Rubber Co., Bristol, R. I.
Tyer Rubber Co. (Rubber), Andover, Mass.

15632— Tips (Shaft)

Covert Saddlery Works (Pole), Interlaken, N. Y.
Cowles C. & Co., New Haven, Conn.
Crandal, Stone, Division The Brewer-Titchener Corp., Binghamton, N. Y.
Searls Mfg. Co. ("Passaic," etc), 29 Mulberry, Newark, N. J.
Woodruff W. W. & Sons Co., Mt. Carmel, Conn.

15632a—Tips (Shoe Lace & Web Strap)

Delaware Hard Fibre Co. (Fibre "Egyptian"), Wilmington, Del.
See adv index at end of book
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book

15633— Tips (Whiffletree)

Searls Mfg. Co., 29 Mulberry, Newark, N. J.

15634—Tire (Channel & Cushion)

Carnegie Steel Co. (Open Hearth Steel), Carnegie bldg, Pittsburgh, Pa.

15635— Tire Coolers

Gogel Mfg. Co., Toledo, O.
Kane & Roach, Syracuse, N. Y.
Palm Louis F. Co., Defiance, O.

15636— Tire Fabrics

American Tire Fabric Co., 120 B'way, New York
Bay State Cotton Corp., 24 Federal, Boston, Mass.
Beaver Mills, Inc. (Cord), 299 B'way, New York
Bibb Mfg. Co., Macon, Ga.
Briggs Mfg. Co., Voluntown, Conn.
Brighton Mills, Passaic, N. J.
Cabarrus Cotton Mills, Kannapolis, N. C.
Caldwell R. J. Co., Inc., 13 Park row, New York
Goodyear Cotton Mills, Killingly, Conn.
International Cotton Mills, 24 Federal Boston, Mass.
Jenckes Spinning Co., Pawtucket, R. I.
Manhasset Mfg. Co., Putnam, Conn.
Marlboro Cotton Mills, McColl, S. C.
Meyer John H. & Co. Inc., 448 4th av, New York
Ninigret Co., Pawtucket, R. I.
Passaic Cotton Mills, 120 B'way, New York
Towar Consolidated Mills Co., Niles, Mich.
West Boylston Mfg. Co., Easthampton, Mass.
Worcester Tire Fabric Co., 55 Union, Worcester, Mass.

15636a— Tire Fillers

Aero Cushion Tire Co., San Jose, Cal.
Esenkay Products Co., Superior & Franklin, Chicago, Ill.
Universal Tire Filler Co., 441 Hawthorne av, Portland, Ore.

15637— Tire Fluid

Buffalo Specialty Co. ("Neverleak" & "Holdfast" Liquid Shellac Cement for Bicycles), 375 Ellicott, Buffalo, N. Y.

15638—Tire Preserver (Automobile)

Rubberset Co. ("Rubberset" & Liquid Rubber Compound), 56 Ferry, Newark, N. J.

15639— Tire Removers

Bacon Vulcanizer Mfg. Co., Emeryville, Cal.
Weaver Mfg. Co. ("Weaver Universal"), Springfield, Ill.

15640— Tire Repair Kits or Equipments

Bacon Vulcanizer Mfg. Co., Emeryville, Cal.
BIGGS BOILER WORKS CO., Case av & Williams st, Akron, O.
See adv index at end of book
Goodyear Tire & Rubber Co., Inc. ("Good Year"), 1144 E Market, Akron, Ohio
Portage Iron & Wire Co. (Cooling, Splicing, Cutting Tables; Racks, Frames, etc.), 1131 Johnson, Akron, O.
Weaver Mfg. Co. (Spreaders), Springfield, Ill.
Williams Foundry & Machine Co. ("Akron-Williams"), Akron, Ohio.
See adv index at end of book

AKRON-WILLIAMS

Tire Repair Equipment turns out perfect work the first time. No more "second time" jobs. Saves money, material and time. Perfected on the experience gained in equipping thousands of tire factories and tire repair shops. Write for catalog.

The Williams Foundry & Machine Co., Akron, O., U. S. A.

15640a—*Tire & Rubber Factory Equipment

WILLIAMS FOUNDRY & MACHINE CO. ("Akron-Williams"), Akron, O.
See adv index at end of book

Tires (Automobile)

See Tires, Various Kinds

15641—Tires (Baby Carriage)

Acme Rubber Mfg. Co., Trenton, N. J.
Anderson Rubber Works, Anderson, Ind.
Boston Woven Hose & Rubber Co. ("Bull Dog"), Cambridge, Mass.
Cincinnati Rubber Mfg. Co. (and Invalid Chairs), Norwood, Cincinnati, Ohio
See adv index at end of book
Combination Rubber Mfg. Co., Bloomfield, N. J.
Continental Rubber Works, Erie, Pa.
Eclat Rubber Co. ("Ekla"), Cuyakoga Falls, Ohio
Empire Tire & Rubber Corp., Trenton, N. J.
Federal Rubber Co. The, Cudahy, Wis.
Fisk Rubber Co., Chicopee Falls, Mass.
Goodrich B. F. Co., Akron, O.
Indiana Rubber & Insulated Wire Co., P. O. Box 192, Jonesboro, Ind.
National India Rubber Co., Bristol, R. I.
Pennsylvania Rubber Co., Jeannette, Pa.
Quabaug Rubber Co., N Brookfield, Mass.
Republic Rubber Co., Dept. H, Youngstown, Ohio
Rubber Products Corp., Barberton, Ohio

15642—Tires (Cushioned, Cellular, Etc.)

Bailey C. J. & Co. ("Bailey Won't Slip"), 88 Broad, Boston, Mass.
Braden Tire & Rubber Co. (Air Cushion), 325 W Pico, Los Angeles, Cal.
Dayton Rubber Mfg. Co. ("Dayton" Airless), Dayton, O.
Firestone Tire & Rubber Co., Akron, O.
Overman Cushion Tire Co., 250 W 54th, New York
Swinehart Tire & Rubber Co., Akron, O.
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.

15643—Tires for Crushing Machinery

Standard Steel Works Co. ("Standard" Solid Weldless), Morris bldg, Phila., Pa.

15644— Tires (Motor Cycle)

Continental Rubber Works ("Vitalic"), 19th & Liberty, Erie, Pa.
Empire Tire & Rubber Corp., Trenton, N. J.
Firestone Tire & Rubber Co. ("Firestone"), Akron, Ohio
Goodrich B. F. Co. ("Diamond," "Goodrich"), Akron, O.
Goodyear Tire & Rubber Co., Akron, O.
Kokomo Rubber Co. ("Dazzler"), Kokomo, Ind.
Mansfield Tire & Rubber Co. ("Mansfield"), Mansfield, O.
Pennsylvania Rubber Co., Jeannette, Pa.
U. S. Tire Co., B'way & 58th, New York

15645—Tires (Motor Truck, Solid Rubber)

Firestone Tire & Rubber Co. ("Firestone"), Akron, Ohio
Gibney Tire & Rubber Co., Conshohocken, Pa.
Goodrich B. F. Rubber Co., Akron, Ohio
Goodyear Tire & Rubber Co., Inc. ("Good Year"), 1144 E Market, Akron, Ohio
Kelly Springfield Tire Co., 250 W 57th, New York
Mason Tire & Rubber Co., Kent, Ohio
Polack Tyre & Rubber Co., 527 W 23rd, New York
United States Tire Co., B'way & 58th, New York

15646—Tires (Pneumatic, Double Tube)

Anderson Rubber Works, Anderson, Ind.
Bergougnan Rubber Corp., Trenton, N. J.
BeSaw Tire & Rubber Co. ("Quality"), Hartville, O.
Braender Rubber & Tire Co., Rutherford, N. J.

Brunswick-Balke-Collender Co., 799 7th av, New York
Continental Rubber Works ("Vitalic"), Erie, Pa.
Double Fabric Tire Co., Dept. H, Auburn, Ind.
Empire Tire & Rubber Corp., Trenton, N. J.
Federal Rubber Co., The (Automobile Rugged Tread, Trafic Tread, Cord, etc), Cudahy, Wis.
Fellsen Tire Co. ("Fellsen"), 188 Amst. av, New York
Firestone Tire & Rubber Co., Akron, O.
Fisk Rubber Co., Chicopee Falls, Mass.
Globe Rubber Tire Mfg. Co. ("Globe"), Trenton, N. J.
Goodrich B. F. Co. ("Goodrich"), Akron, O.
Goodyear Tire & Rubber Co., Inc. ("Good Year"), 1144 E Market, Akron, Ohio
Great Eastern Rubber Co. ("Crown" "Premier"), 1011 Hamilton, Allentown, Pa.
Indiana Rubber & Insulated Wire Co., P. O. Box 192, Jonesboro, Ind.
Kelly Springfield Tire Co., 250 W 57th, New York
Kokomo Rubber Co., Kokomo, Ind.
L. & M. Rubber Co. ("Buckskin"), Carrollton, Ohio
Mansfield Tire & Rubber Co. ("Mansfield" & "Ohio"), Mansfield, O.
Mesinger H. & F. Mfg. Co. (Leather), 432 Austin pl, New York
Michelin Tire Co. (Quick Detachable Clincher, Ordinary Clincher, & Anti Skid Types), Milltown, N. J.
Miller Rubber Co. ("Miller"), Akron, Ohio
Mohawk Rubber Co., Akron, O.
Pennsylvania Rubber Co., Jeannette, Pa.
Pharis Tire & Rubber Co., Newark, O.
Quaker City Rubber Co. (Pneumatic Only), 672 Market, Phila., Pa.
See adv index at end of book
SHAPLEIGH HDWE. CO. (Shapleigh Tires & Tubes), 4th & Washington, St. Louis, Mo.
Standard Tire & Rubber Co. ("Standard"), 811 E 6th, Boston, Mass.
Sterling Tire Corp. ("Sterling"), Rutherford, N. J.
Trent Rubber Co., Trenton, N. J.
U. S. RUBBER CO., 1790 Broadway, New York *See adv index at end of book*

15647—Tires (Pneumatic, Single Tube)

Anderson Rubber Works, Anderson, Ind.
Braender Rubber & Tire Co., Rutherford, N. J.
Continental Rubber Works ("Vitalic"), Erie, Pa.
Double Fabric Tire Co., Dept. H, Auburn, Ind.
Federal Rubber Co. The (Bicycle), Cudahy, Wis.
Fisk Rubber Co., Chicopee Falls, Mass.
Goodrich B. F. Rubber Co. ("Goodrich," "Silvertown"), Akron, Ohio
Goodyear Tire & Rubber Co., Akron, O.
Hendrie Tire & Rubber Co., Torrance, Cal.
Indiana Rubber & Insulated Wire Co., P. O. Box 192, Jonesboro, Ind.
Lee Tire & Rubber Co., Conshohocken, Pa.
Michelin Tire Co. (Clincher, Quick Detachable & Anti-Skid Types), Milltown, N. J.
Pennsylvania Rubber Co., Jeannette, Pa.
QUAKER CITY RUBBER CO. ("Quaker"), 3927 Comly, Philadelphia, Pa.
See adv index at end of book
Trent Rubber Co., Trenton, N. J.
U. S. RUBBER CO., 1790 Broadway, New York *See adv index at end of book*

15647a— Tires (Re-built)

Palmer Rubber Co., Poughkeepsie, N. Y.

15647b— Tires (Re-Tread)

Palmer Rubber Co., Poughkeepsie, N. Y.

15648— Tires (Rubber)

Acme Rubber Mfg. Co. (Automobile), Trenton, N. J.
Ajax Rubber Co. ("Ajax"), 220 W 57th, New York
American Tire & Rubber Co., Akron, Ohio
Anderson Rubber Works, Anderson, Ind.
Batavia Rubber Co., Batavia, N. Y.
Bergougnan Rubber Corp. ("Bergougnan"), Trenton, N. J.
BeSaw Tire & Rubber Co., Hartville, O.
Bourn Rubber Co., 58 Warren, Providence, R. I.
Brunswick-Balke-Collender Co., 29 W 32nd, New York
Central Rubber & Supply Co. (Automobile), 120 S Meridian, Indianapolis, Ind.
Century Plainfield Tire Co. ("Century"), North av, Plainfield, N. J.
Chanslor & Lyon Co. ("C. & L."), 730 Polk, San Francisco, Cal.
Cigol-Behrens Rubber Co., Lodi, N. J.
Columbia Tire Corp. ("C. T. C."), Columbia blvd & Miss. av, Portland, Ore.
Continental Rubber Works ("Vitalic"), Erie, Pa.
Converse Rubber Shoe Co., Malden, Mass.
Cord Tire Corp. (Also Cord Tires for Autos & Trucks), Chester, W. Va.
Cupples Co., 401 Spruce, St. Louis, Mo.
Curtis Tire & Rubber Co., Muskegon, Mich.
Dayton Rubber Mfg. Co., Dayton, O.
Denman-Myers Cord Tire Co. ("Denman"), Engineers bldg, Cleveland, Ohio
Double Fabric Tire Co. (Pneumatic, Interlock Inner), Dept. H, Auburn, Ind.
Empire Tire & Rubber Corp. (Pneumatic Double Tube), Trenton, N. J.
Erie Tire & Rubber Co., Sandusky, Ohio
Falls Rubber Co. ("Falls Neverslip"), Cuyahoga Falls, O.
Federal Rubber Co. The (Auto, Baby Carriage, Bicycle, Motorcycle, etc.), Cudahy, Wis.
Firestone Tire & Rubber Co. ("Firestone"), Akron, O.
Fisk Rubber Co. ("Fisk"), Dept. H, Chicopee Falls, Mass.
Gates Rubber Co. ("Half Sole"), 999 S Broadway, Denver, Colo.
General Tire & Rubber Co. ("General"), Akron, O.
Gillette Rubber Co., Dept. H, Eau Claire, Wis.
Goodrich B. F. Rubber Co. (Automobile, Regular Clincher & Quick Detachable, Straight Bead), Akron, Ohio
Goodyear Rubber Co. ("Revere" Automobile & Bicycle), 539 Mission, San Francisco, Cal.
Goodyear Tire & Rubber Co., Inc. ("Good Year" Aeroplane, Automobile, Carriage Truck, etc.), 1144 E Market, Akron, Ohio
Hamilton Rubber Co., Trenton, N. J.
Hardman Tire & Rubber Co., 77 Broadway, New York
Hendrie W. C. Rubber Co., Torrance, Cal.
Henderson Tire & Rubber Co. ("Henderson"), Goodale & H. V. R. R., Columbus, O.
Hewitt Rubber Co. ("Hewitt"), 246H Kensington av, Buffalo, N. Y.
Hood Tire Co. Inc., Watertown, Mass.
India Rubber Co., Mogadore, Akron, O.
Indiana Rubber & Insulated Wire Co., P. O. Box 192, Jonesboro, Ind.
International India Rubber Corp. ("Odell Cord" & "South Bend" Fabric Automobile), South Bend, Ind.
Jack Tire & Rubber Co. ("Jack Cords"), Spokane, Wash.
Keaton Tire & Rubber Co. ("Keaton Non-Skid"), 636 Van Ness av, San Francisco, Cal.
Kelly Springfield Tire Co., 250 W 57th, New York
King Tire & Rubber Co., Foothill blvd & Stanley rd, Oakland, Cal.
Kokomo Rubber Co. (Bicycle & Vehicle), Kokomo, Ind.
Lee Tire & Rubber Co. ("Lee" Motor Trucks & Pleasure Cars; also Puncture Proof Pneumatic), Conshohocken, Pa.
McGraw Tire & Rubber Co. ("Imperial"), East Palestine, O.
McLean Tire & Rubber Co., East Liverpool, Ohio
Mansfield Tire & Rubber Co. ("Mansfield" & "Ohio"), Mansfield, O.
Marathon Tire & Rubber Co. ("Marathon"), Cuyahoga Falls, Ohio
Marion Tire & Rubber Co., Marion, O.
Mason Tire & Rubber Co. ("Mason"), Kent, Ohio
Master Tire & Rubber Co., Dayton, Ohio
Michelin Tire Co. ("Michelin" Quick Detachable Clincher, Ordinary Clincher & Anti-Skid Types), Milltown, N. J.
Miller Chas. E. ("Miller's"), Anderson, Ind.
Miller Rubber Co. ("Miller"), Akron, Ohio
Monarch Tire Co. ("Monarch"), Hartville, Ohio
National Rubber Co. ("Speedway Redwall," "National" Silk Lined), Pottstown, Pa.
Northwestern Rubber Co. ("Northwestern"), Kent, Wash.
Norwalk Tire & Rubber Co. ("Norwalk"), Norwalk, Conn.
Odell Rubber Co. ("Odell Cord" & "South Bend" Fabric Automobile), South Bend, Ind.
O'Neill Tire & Rubber Co., Akron, O.
Pennsylvania Rubber Co., Jeannette, Pa.
Perfection Tire & Rubber Co., Fort Madison, Iowa
Pharis Tire & Rubber Co., Newark, O.
Polack Tyre & Rubber Co. ("Polack" Truck Tyres), 527 W 23d, New York
Portage Tire & Rubber Co. ("Portage"), Akron, Ohio
Porter Rubber Co., Salem, O.
Quaker City Rubber Co., 672 Market, Phila., Pa. *See adv index at end of book*
Racine Rubber Co., Racine, Wis.
Remiller Tire Mfg. Co. (Inner Tires), Ashland, O.
Republic Rubber Co. ("Republic" Motor Truck), Youngstown, O.
Revere Rubber Co., Chelsea, Mass.
Rotary Tire & Rubber Co. (Automobile), Zanesville, O.
Rubber Products Corp., Barberton, Ohio
Rubber Products Corp., Dept. H, Shelton, Conn.
Sampson Tire & Rubber Co., Compton, Cal.
Sound Rubber Co. ("Sound"), 6320 S Union, Tacoma, Wash.
Spreckels "Savage" Tire Co. ("Savage"), 2301 Main, San Diego, Cal.
Standard Tire & Rubber Mfg. Co., Willoughby, O.
Star Rubber Co., Akron, O.
Sterling Tire Corp. (Pneumatic, Air Bag Cured Vacuum Bar Tires), E Rutherford, N. J.
Strohecker A. J., Reading, Pa.
Studebaker Wolf Rubber Co., Marion, O.
Swinehart Tire & Rubber Co., Akron, O.
Thermoid Rubber Co. ("Thermoid," "Rexoid"), Trenton, N. J.
Toledo-Findlay Tire & Rubber Co., Findlay, O.
Trent Rubber Co., Trenton, N. J.
Tyer Rubber Co., Andover, Mass.
United & Globe Rubber Co., Trenton, N. J.
U. S. RUBBER CO., 1790 Broadway, New York *See adv index at end of book*
United States Tire Co., B'way & 58th, New York
Universal Tire & Rubber Co., 933H Harrison, San Francisco, Cal.
Victor Rubber Co., Springfield, O.
Vulcan Rubber Co., Erie, Pa.
Warshamsky Auto Parts Co. (Dealers), 1915-31 S State, Chicago, Ill.
Wilson Tire & Rubber Co. ("Wilson"), Springfield, Ill.
Yale Tire & Rubber Co. ("Yale"), New Haven, Conn.

15649— Tires (Solid)

Ajax Rubber Co., 220 W 57th, New York
American Tire & Rubber Co., Akron, O.
Batavia Rubber Co., Batavia, N. Y.
Braender Rubber & Tire Co., Rutherford, N. J.
Columbia Tire Corp. ("C. T. C."), Columbia blvd & Miss. av, Portland, Ore.
Continental Rubber Works, Dept. H, 19th & Liberty, Erie, Pa.
Curtis Tire & Rubber Co. (Truck), Muskegon, Mich.
Federal Rubber Co., Cudahy, Wis.
Firestone Tire & Rubber Co., Akron, O.
Fisk Rubber Co., Chicopee Falls, Mass.
Goodrich B. F. Co. ("Wireless" Solid Rubber Vehicle), Akron, O.
Goodyear Tire & Rubber Co., Akron, O.
Kelly-Springfield Tire Co. (Sectional), 250 57th, New York
Longdin Brugger Co., Fond du Lac, Wis.
McGraw Tire & Rubber Co., East Palestine, O.
Mason Tire & Rubber Co., Kent, Ohio
Meeker Mfg. Co., Dayton, O.
Morgan & Wright, 6600 E Jefferson, Detroit, Mich.
Pennsylvania Rubber Co. of N. Y. (Metal-Base Truck), 1889 B'way, New York
Polack Tyre & Rubber Co. ("Polack" Truck), 527 W 23d, New York
Portage Rubber Co. ("Portage" Rubber Block Truck), Akron, O.
Republic Rubber Co., Youngstown, O
Swinehart Tire & Rubber Co. ("Swinehart"), Akron, O.
U. S. RUBBER CO., 1790 Broadway, New York *See adv index at end of book*
Victor Rubber Co. ("Victor"), Springfield, Ohio
Vulcan Rubber Co. ("Vulco"), Erie, Pa.
Wilson Tire & Rubber Co. ("Wilson"), Springfield, Ill.
Xenia Rubber Mfg. Co., Xenia, Ohio

15650— Tires (Steel)

Bourne-Fuller Co., Hanna bldg, Cleveland, Ohio
Chester Steel Castings Co., Chester, Pa.
Edgewater Steel Co. (Car & Locomotive Wheel), Edgewater Station & A. V. R. R., Pittsburgh, Pa.
Ft. Wayne Iron Steel Rolling Mills (Baby Carriages & Wagon), West Taylor, Fort Wayne, Ind.
Interstate Iron & Steel Co. (& Iron), 184 S Michigan, Chicago, Ill.
Jones & Laughlin Steel Co. (Round, Square, Channel, Carriage & Wagon), Ross, Pittsburgh, Pa.
KROPP FORGE CO., 5301 Roosevelt rd, Chicago, Ill.
See adv index at end of book
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Midvale Co. (Locomotives), Nicetown, Phila., Pa.
Prosser Thos. & Son ("The Krupp"), 15 Gold, New York
Railway Steel Spring Co., 30 Church, New York
Republic Iron & Steel Co. (Half Oval, etc), Youngstown, O.
See Branch Offices Alphabetical Section.
Standard Steel Works Co. (Car & Locomotive), Morris bldg, Phila., Pa.

15651— Titanium

Drakenfeld B. F. & Co., Inc., 50 Murray, New York
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
NIAGARA SMELTING CORP. (Titanium Tetrachloride), Niagara Falls, N. Y.
See adv index at end of book

(Continued on following page)

Titanium—Continued

Titanium Alloy Mfg. Co., Niagara Falls, N. Y.

15651a—Titanium (Oxide Concentrates)

American Rutile Co., 622 F. N. W., Washington, D. C.

15652—Titanium Potassium Oxalate

Foote Mineral Co., 103 N 19th, Phila., Pa.
Hummel & Robinson, 90 West, New York
JORDAN COAL TAR PRODUCTS CO., INC., 15 Cliff, New York

15653— Toasters

Allmur Mfg. Co. ("Electric"), Marion, Ind.
American Electrical Heater Co. ("American Beauty"), 6125 Woodward, Detroit, Mich.
CHICAGO FLEXIBLE SHAFT CO. ("Sunbeam" Electric), 1150 S Central av, Chicago, Ill.
See adv index at end of book
Crane Wm. M. Co. ("Crane's" Collapsible), 18 E 41st, New York
Detroit Foundry Co., E Grand blvd & Riopille, Detroit, Mich.
Edison Electric Appliance Co., Inc. (Hotpoint Div.), ("El Toasto" Electric), 5600 W Taylor, Chicago, Ill.
Electric Specialties Co., Benton Harbor, Mich.
Empire Transformer Co., 3819 N Ashland av, Chicago, Ill.
Fitzgerald Mfg. Co. ("Star" Electric, Reversible Type), Torrington, Conn.
Hamblin & Russell Mfg. Co. (Wire), Worcester, Mass.
Holcomb & Hoke Mfg. Co. ("Butter-Kist" Peanut), 1546 Van Buren, Indianapolis, Ind.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Kinne Mfg. Co. ("Perfection"), 1401 Central av, Minneapolis, Minn.
Knowlson A. T. Co. ("Apex" Bread, for Gas Stoves), 99 Congress, Detroit, Mich.
Landers, Frary & Clark ("Thermax" Electric), New Britain, Conn.
Manhattan Electrical Supply Co. (Electric), 17 Park pl, New York
New Standard Hardware Works (Asbestos), Mt. Joy Pa.
Perfect Automatic Egg Timer & Mfg Co., 1600 Fulton, Chicago, Ill.
Redtop Electric Co., 8 W 19th, New York
Reliable Stove Co. (Gas Stove, etc., "Reliable"), 1737 E 40th, Cleveland, O.
Rochester Stamping Co. (Electric), Rochester, N. Y.
Roseland Can & Specialty Co. ("Whitehouse" Bread), Rockford, Ill.
Russell Elect. Co. ("Hold-Heet" Electric), 340 W Huron, Chicago, Ill.
Rutenber Electric Co. (Electric), Marine, Ind.
Silver & Co., 304 Hewes, Brooklyn, N. Y.
Simplex Electric Heating Co. ("Simplex" Electric), Cambridge, Mass.
SURFACE COMBUSTION CO., THE, 334 Gerard av, Bronx, New York
See adv index at end of book
Washburn Co. (Andrews Division), ("Androck" Bread), Preston, Rockford, Ill.
Westinghouse Electric & Mfg. Co. (Electric), East Pittsburgh, Pa.
See adv index at end of book
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Willis Charlotte J. (Bread), Ann Arbor, Mich.
Wilson Mfg. Co., Niles, O.
Woods, Sherwood Co. (Wire), 28 Union, Worcester, Mass.

15654—Tobacco Dust & Stems

Harshaw Fuller & Goodwin Co., 545 Hanna bldg. Cleveland, O.
See adv index at end of book
Kentucky Tobacco Product Co., Louisville, Ky.

15655—Tobacco Pouches (Rubber)

Davidson Rubber Co., Boston, Mass.
Davol Rubber Co., 69 Point, Providence, R. I.
Faultless Rubber Co., Ashland, O.
Goodrich B. F. Co., Akron, O.
Tyer Rubber Co. ("Tyrian"), **Andover, Mass.**

15655a— Tobin Bronze Parts

BELL DAVID CO., INC. (THE), 1555 Fillmore av, Buffalo, N. Y.
See adv index at end of book

15656— Toboggan Slides

Giant Mfg. Co. (Playground), Council Bluffs, Ia.
Morris B. Joy, 902 Walnut, Phila., Pa.

15657— Toe-Calks (Steel)

Aetna Nut Co. ("Black Horse"), Southington, Conn.
American Horse Shoe Co. (Toe & Heel Calks), Phillipsburg, N. J.
AM. STEEL & WIRE CO. ("Juniata"), 208 S La Salle, Chicago, Ill.
See adv index at end of book
Burke P. F. (And "Dooley" Toe Calk), 1158 Adams, Dorchester, Boston, Mass.
Franklin Steel Works ("Standard," "Climax," "Sweets"), Joliet, Ill. & Cambridge, Mass.
Giant Grip Horse Shoe Co. ("Giant Grip"), **Oshkosh, Wis.**
Ludvigsen Bros. (Welded Center), Jackson, Minn.
Phoenix Horse Shoe Co. ("Phoenix Bull Dog" & "Bull Dog"), 209 S La Salle, Chicago, Ill.
Rowe Calk & Chain Co. ("Rowe"), Plantsville, Conn.
U. S. Horse Shoe Co., Erie, Pa.
Western Automatic Machine Screw Co., Elyria, O.

15658— Toggles

Ankyra Mfg. Co., 144 Berkley, Wayne Junct., Phila., Pa.
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Eberhard Mfg. Co. (Harness), C. & P. Ry & Tennyson rd, Cleveland, O.
Economy Toggle Co. ("Economy" for Tanners), 18 Cross, Boston, Mass.
Elbel Co. (Harness), **Canton, O.**
King R. D. ("King" Pressure), **51 W Jackson, Chicago, Ill.**
North & Judd Mfg. Co. ("Anchor Brand" Harness), New Britain, Conn.
Paine Co. (The), 2947 Carroll av, Chicago, Ill.
Star Expansion Bolt Co. ("Sebco"), **145 Cedar, New York**

15659— *Toggles (Wooden)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

15659a— Toilet Articles

DU PONT E. I. DE NEMOURS & CO. INC., Pyralin Div. ("Amber" Pyralin, "Du Barry" Pyralin, "Du Pont" Pyralin, "Ivory Pyralin," "Ivorytone" Pyralin, "La Belle" Pyralin, "Nemours" Pyralin, "Pyralin," "Shell Pyralin," "Shelltone" Pyralin), Arlington, N. J.
See adv index at end of book
Fiberloid Corp., Dept. H, Indian Orchard, Mass.
Loveland Wm. H. Co., Binghamton, N. Y.

15660—Toilet Articles (Celluloid)

Celluloid Co. (Brushes, Combs, Mirrors, Boxes, Rings, Trays, Files, Shoe Hooks & Horns, Thimbles, etc), 36 Washington pl, New York
Leominster Shell Goods Mfg.Co., Leominster, Mass.
Napier-Browning Co., 105 W 40th, New York
Yale Novelty Co., Leominster, Mass.

15660a— Toilet Sets

See also Manicure Sets

DU PONT E. I. DE NEMOURS & CO., INC., Pyralin Div. ("Pyralin," See Adv. at Celluloid), Arlington, N. J.
See adv index at end of book
Saart Bros. Co. (Sterling Silver), Attleboro, Mass.
Schimper Wm. & Co., 332-338 Ferry, Hoboken, N. J.

15660b—Toilet Sets (Cased)

Parkesburg Stamping & Mfg. Co., Parkesburg, Pa.

15660c—*Tokens (Street Railroad—To Order)

SCOVILL MFG. CO., Waterbury, Conn.
See adv index at end of book

15661— Tolidine

Ciba Co. Inc., 134 Cedar, New York
Newport Chemical Woks, Inc., Milwaukee, Wis.
Transatlantic Chemical Corp., 80 Wall, New York

15661a— Toluidine

DU PONT E. I. DE NEMOURS & CO., INC., Dyestuffs Dept. (Mixed), Wilmington, Del.
See adv index at end of book
Indiana Dye & Chemical Co. (Mixed), Hammond, Ind.
National Aniline & Chemical Co., Inc. (Mixed Ortho & Para), 40 Rector, New York

15661b— Toluidine Base

DU PONT E. I. DE NEMOURS & CO., INC., Dyestuffs Dept., Wilmington, Del.
See adv index at end of book
Indiana Dye & Chemical Co., Hammond, Ind.
National Aniline & Chemical Co., Inc., 40 Rector, New York

15662— Toluol

Barrett Co., 40 Rector, New York
Bethlehem Steel Co., So. Bethlehem, Pa.
Camden Coke Co., Camden, N. J.
Coopers Creek Chemical Co., West Conshohocken, Pa.
Hunnell & Co., 136 Liberty, New York
Inland Steel Co., 38 S Dearborn, Chicago, Ill.
La Belle Iron Works, Steubenville, Ohio
Lackawanna Steel Co., Buffalo, N. Y.
Laclede Gas Light Co., 11th & Olive, St. Louis, Mo.
Lewis F. J. Mfg. Co., Moline, Ill.
McKinney Steel Co., Perry Payne bldg, Cleveland, O.
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
New Haven Gas Light Co., New Haven, Conn.
Newport Chemical Works, Inc., Milwaukee, Wis.
Seaboard By-Products Coke Co., Jersey City, N. J.
Semet-Solvay Co., Syracuse, N. Y.
United Gas Improvement Co., Broad & Arch, Phila., Pa.
Western Aniline Products Co., Hammond, Ind.
Youngstown Sheet & Tube Co., Youngstown, O.
Zenith Furnace Co., Duluth, Minn.

15662a—Toluol (Recovery Plant Constructors)

Wilputte Coke Oven Corp., 469 5th av, New York

15663—Tongs (Auto Chain)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.

15664— Tongs (Blacksmiths')

Auer John, Jr., 197 Middleton, Brooklyn, N. Y.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Champion Tool Co. ("Champion" Straight Lip, Bolt, Gad Pick-Up & Farriers), Meadville, Pa.
Evansville Tool Works, 701 W Md., Evansville, Ind.
Heller Bros. Co., 870 Mt. Prospect av, Newark, N. J.
Iron City Tool Works, Ltd., 3201 Smallman, Pittsburgh, Pa.
Ketler-Elliott Co. ("Ketoco"), 31st & Cal., Chicago, Ill.
Leibfried C. W., 97 Guernsey, B'klyn, N. Y.
Moore Drop Forging Co., Springfield, Mass.
Plumb Fayette R. (Inc.), 4837 James, Philadelphia, Pa.
Sargent & Co., New Haven, Conn.
Stanley Rule & Level Co. (Atha Division), New Britain, Conn.
Stearns E. C. & Co. ("Stearns," **Swivel Jaw), 450 Oneida, Syracuse, N. Y.**
Vaughan & Bushnell Mfg. Co., 2114 Carroll av, Chicago, Ill.
Warren Tool & Forge Co., 145 Griswold, Warren, O. *See adv index at end of book*

15665-6—Tongs (Bridge Builders)

Anderson W. H. Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Stanley Rule & Level Co. (Atha Division), New Britain, Conn.

15667— Tongs (Candy)

Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Hamblin & Russell Mfg. Co. (Wire), Worcester, Mass.

15668— Tongs (Chain)

See also Wrenches, Chain

Kroeschell Bros. Co. ("Ideal"), **440 W Erie, Chicago, Ill.**
McMann & Taylor Co., 104 John, New York. *See adv index at end of book*
Robbins, Gamwell & Co. ("Robbins"), **Pittsfield, Mass.**
Stortz John & Son (Hoisting), 210 Vine, Phila., Pa.
Union Tool Co. ("Hardison," "Kellerman," "Maddress" for Oil & Gas, Well Pipe or Casing), **Lorrance, Cal.**

15669— Tongs (Charging)

Birch Bros. (For Bleachers), Somerville, Mass.
Brass Founders Supply Co. (For Brass Fdrs.), Wilson av, Newark, N. J.

15670— Tongs (Cinder)

Reading Saddle & Mfg. Co., Reading, Pa.

15670a— Tongs (Clinker)

Anderson W. H. Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Pilley Flue Brush Co. (For Steam, Hot water Heating, etc), 604 S 3rd, St. Louis, Mo.

15671— Tongs (Coal)

Fanner Mfg. Co. ("Arctic"), Cleveland, O.

15672— Tongs (Crucible)

Anderson W. H. Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Auer John, Jr., 197 Middleton, Brooklyn, N. Y.
Barnett Oscar Foundry Co., Irvington, N.J.
Dicke Tool Co., Downers Grove, Ill.
Dixon Wm. (Jewelers), 119 Fulton, New York
Eimer & Amend (Also Impt.), 205 E 18th, New York
Klemm E. R., 1453 Austin av, Chicago, Ill.
New Jersey Foundry & Machine Co. ("Delta"), 90 West, New York
Northern Engineering Works, 210 Chene, Detroit, Mich.
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.

15673—Tongs (Crucible Laboratory)

American Platinum Works, Newark, N. J.
INTERNATIONAL NICKEL COMPANY, THE (Monel Metal), 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Sklar Mfg. Co. J., 133 Floyd, Brooklyn, N. Y.

Tongs (Farriers')

See Tongs, Blacksmiths'

15674— Tongs (Fish)

Briddell Chas. D. (Oyster & Clam), 820 W Main, Crisfield, Md.
Estes E. B. & Sons (Wood), 364 5th av, New York. *See adv index at end of book*
Nicol & Co. ("Nicol's"), 218 No. Jefferson, Chicago, Ill.

15675— Tongs (Hog)

Pratt Wm. E. Mfg. Co. ("The Hill"), 35 W Lake, Chicago, Ill.

15676— Tongs (Ice)

American Ice Co., Center bldg, Philadelphia, Pa.
Anderson W. H. Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Briddell Chas. D., 820 W Main, Crisfield, Md.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Columbus Handle & Tool Co., Columbus, Ind.
Dernell H. F. Co., Athens, N. Y.
Fanner Mfg. Co. ("Arctic," Family), Cleveland, O.
Gifford-Wood Co., Hudson, N. Y.
Gruman Ice Tool Works, Branchville, Conn.
Hopkins W. F., Groton, New York
Louden Machinery Co (Self Opening), Fairfield, Ia.
Parks & Parks ("Little Giant" for Domestic Use), Troy, N. Y.
Ray Geo. A. Mfg. Co., 1495 Niagara, Buffalo, N. Y.
Reading Saddle & Mfg. Co. (Family), Reading, Pa.
SMITH F. P., WIRE & IRON WORKS, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Stortz Jno. & Son, 210 Vine, Phila., Pa.
Vaughan & Bushnell Mfg. Co. ("Jack Frost," "V. & B."), 2114 Carroll av, Chicago, Ill.

15677-8—Tongs (Joist or Timber)

Anderson W. H. Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Ransome Concrete Machinery Co. (For Hoisting Timber, etc., into High Buildings), Dunellen, N. J.
SASGEN DERRICK CO., 3000 W Grand av, Chicago, Ill.
See adv index at end of book

15679— Tongs (Machinists')

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.

15680— Tongs (Piano Hammer Shank)

Kraeuter & Co., 583 18th av, Newark, N. J.

15681—Tongs (Pick-up Fire)

Anderson W. H. Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Bronx Derrick & Tool Co., 143d & Southern blvd, New York
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Leetonia Tool Co., Leetonia, O.
Stanley Rule & Level Co (Atha Division), New Britain, Conn.

15682— Tongs (Pipe)

Anderson W. H. Tool & Supply Co. (Flat Back Coil), Franklin & Dubois, Detroit, Mich.
Cal. Well Tool & Machine Works. ("Hardison" & Casing), 1033 Alhambra av, Los Angeles, Cal.
Continental Supply Co., Post Despatch bldg, St. Louis, Mo.
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Darling Valve & Mfg. Co. (Ltd.), ("Darling"), Williamsport, Pa.
Guilherson Corp. (Well Casing Tongs), Box 1106, Dallas, Texas
Jarecki Mfg. Co. ("Jarecki" Adjustable), Erie, Pa.
Kroeschell Bros. Co. ("Ideal"), 440 W Erie, Chicago, Ill.
Manning Maxwell & Moore, Inc., 100 E 42nd, New York
See adv index at end of book
Mueller H. Mfg. Co. ("Mueller" Improved Derrick & Pipe Tongs for Water & Gas Mains), Decatur, Ill.
Oil Well Supply Co. ("Klein" "Lay," "Crumble," "Robbins"), 215 Water, Pittsburgh, Pa.
Union Drop Forge Co. (Parts Only), 358 W Grand av, Chicago, Ill.
Walworth Mfg. Co. ("Walworth," "Bostong"), 82 Pearl, Boston, Mass.

15682a— Tongs (Platinum)

Baker & Co., 54 Austin, Newark, N. J.
Bishop J. & Co. Platinum Wks., Malvern, Pa.
Wilson & Willard Mfg. Co., 2301 E Vernon, Los Angeles, Cal.

15683— Tongs (Rail)

See also Tools, R. R. Track

Auer John Jr. (Heavy), 197 Middleton, Brooklyn, N. Y.
Beall Bros. (Inc.), Alton, Ill.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Iron City Tool Works, Ltd., 3201 Smallman, Pittsburgh, Pa.
Klein-Logan Co., H, 13th & Breed, Pittsburgh, Pa.
Stanley Rule & Level Co (Atha Division), New Britain, Conn.
Union Drop Forge Co., 358 W Grand av, Chicago, Ill.
Verona Tool Works, Plum, Pittsburgh, Pa.
Warren Tool & Forge Co., 145 Griswold, Warren, O. *See adv index at end of book*
Warwood Tool Co., 19th, Warwood, Wheeling, W. Va.

15684— Tongs (Rod)

Ward-Love Pump Corp., 716 Race, Rockford, Ill.

15685— Tongs (Roofing)

Burritt O. W. & Bro., Weedsport, N. Y.
Emrich Phil ("Emrich"), 824 Main, Cincinnati, O.
Foote J. B. Foundry Co., Fredericktown, Ohio
Niagara Machine & Tool Works, Buffalo, N. Y.
Peck, Stow & Wilcox Co., Southington, Conn.
Pratt Wm. E. Mfg. Co. ("Perfect"), 35 W Lake, Chicago, Ill.
Stortz Jno. & Son, 210 Vine, Phila., Pa.

15686—Tongs (Saw Brazing)

Anderson W. H. Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Baldwin, Tuthill & Bolton, Grand Rapids, Mich.

Tongs (Skidding)

See Tools, Logging & Lumbermen's

15687-8—Tongs (Stone Handling)

Anderson W. H. Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Lincoln Iron Works (For Handling Finished Work), Rutland, Vt.
SASGEN DERRICK CO. ("Sasgen"), 3000 W Grand av, Chicago, Ill.
See adv index at end of book

15689— Tongs (Tanners')

Emrich Phil., 824 Main, Cincinnati, O.
Horn Wm. H. & Bro. ("Diamond," "Crown"), 451 N 3d, Phila., Pa.

15690— Tongs (Tie)

Hubbard & Co., 63d & Butler, Pittsburgh, Pa.

15691-2— Tongs (Vegetable, etc.)

Hamblin & Russell Mfg. Co. ("Helping Hand" Wire), 28 Water, Worcester, Mass.

Tongue Supports

See Supports, Wagon Tongue

15693— Tongues (Wagon)

Abeles & Taussig Lumber & Tie Co., commercial bldg, St. Louis, Mo.
Campbell & Dann Mfg. Co., Tullahoma, Tenn.

Tool Bits

See Bits (Tool Holder)

15694— Tool Kits

Armstrong Mfg. Co. ("Armstrong" Combination, 305 Knowlton, Bridgeport, Conn.
Billings & Spencer Co. ("B. & S." Auto), Hartford, Conn.
Boker Cutlery & Hardware Co. ("Alsteel"), 101 Duane, New York
Bonney Forge & Tool Works, Allentown, Pa.
Bridgeport Hardware Mfg. Co. ("So Handy" Pocket Knife), 46 & Irn. av, Bridgeport, Conn.
Buhrke R. H. Co. (Electrician's, Linemen's & Mechanics'), 1250H Fullerton av, Chicago, Ill.
Chicago Tool & Kit Mfg. Co. (Automobile & Tractor), 12 N Market, Chicago, Ill.
Cornwell Quality Tools Co., Dept. H, Cuyahoga Falls, O.
Cushion Auto Tool Co. (Automobile), Champaign, Ill.
Fairmount Tool & Forging Co. ("Fairmount"), 10611 Quincy av, Cleveland, Ohio
Feeser Frank S. Co., 1126 Prospect, Indianapolis, Ind.
Jennings C. E. & Co. ("Little Wonder"), 71 Murray, NewYork
Marcy Tool Works ("Plumbers"), Putnam, Conn.
Napanoch Knife Co. ("Kompak"), Napanoch, N. Y.
Perkins Campbell Co. ("Campbell"), 622 B'way, Cincinnati, O.
Smith & Hemenway Co., Inc. ("Red Devil"), 261 Broadway, New York, and 130 H Coit, Irvington, N. J.
See adv index at end of book
Ulery U. J. Co. ("Ulery"), 259 Broadway, New York
Vande Water Mfg. Co., Newburgh, N. Y.
Vichek Tool Co. ("Vichek," Complete Assortments), 3701 Mt. Auburn av, Cleveland, O.
Williams J. H. & Co. (Drop-Forged Wrenches), 400 Vulcan, Buffalo, N. Y.
Zinn Edward (Pocket), 210 11th av, New York

15694a— Tool Makers

Advance Tool Works, 439H N. Western av, Chicago, Ill.
Anderson W. H. Tool & Supply Co. (Stone & Marble), Franklin & Dubois, Detroit, Mich.
Clyne R. G. Engineering Co., 12th & Tyler, St. Louis, Mo.
Damon & Glenn, 189 High, Boston, Mass.
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Hart Fredk & Co., 837 Main, Poughkeepsie, N. Y.
Jamestown Die & Tool Co., Dept. H, Jamestown, N. Y.
Jaxon Co., 1010-12-14 Jackson, Toledo, O.
Lincoln Tool Co., Marquette bldg, Detroit, Mich.
Marquette Tool & Mfg. Co., 321 W Ohio, Chicago, Ill.
Martin Machine Co., Turners Falls, Mass.
Milwaukee Tool & Forge Co., Milwaukee, Wis.
New England Tool & Machine Co., 51 Taylor, Springfield, Mass.
Saal H. G. Co., 1300 Montrose av, Chicago, Ill.
Special Tool & Machine Co., 410H Dorchester av, Boston, Mass.
Walstad Machine Co., Tacoma, Wash.
Waterston J. M., 427 Woodward av, Detroit, Mich.
Wilbert F. V., 443 Folsom, San Francisco, Cal.
York Elec. & Machine Co., York, Pa.

15695-6— Tool Posts

Armstrong Bros. Tool Co. ("Armstrong" Improved), 339 N Francisco av, Chicago, Ill.
Brown & Sharpe Mfg. Co. (Cutting-Off, etc), Providence, R. I.
Chapin Skelton Corpn., 406 E Ash, Syracuse, N. Y.

(Continued on following page)

Tool Posts—Continued

Lovejoy Tool Co. Inc. ("Lovejoy" Four-Way Turret), Springfield, Vt.
Moore Drop Forging Co., Springfield, Mass.
O. K. Tool Holder Co. ("O. K."), Shelton, Conn.
Phoenix Mfg. Co. ("Conradson" Turret), Eau Claire, Wis.
Williams J. H. & Co. (Drop-Forged), 400 Vulcan, Buffalo, N. Y.

15697— Tool Sets

Armstrong Bros. Tool Co. ("Armstrong," Lathe, Comprises Ten Tools), 339 N Francisco av, Chicago, Ill.
Bridgeport Hardware Mfg. Corp. ("B. H. M.," "Utility" Hollow Handle), 461 Irn. av, Bridgeport, Conn.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Delaware Tool Co. (Auto & Plumbers), Wilmington, Del.
Dikeman Mfg. Co. (Metal Handle), Norwalk, Conn.
Goodell-Pratt Co. (Hollow Handle), Greenfield, Mass.
Improved Gauge Mfg. Co. (Wrench Sets), 105 Canal, Syracuse, N. Y.
Robinson M. W. Co. ("Rollis," "Buell's" Hollow Handle), 296 B'way, N. Y.
Sargent & Co. ("Sargent" & "Aiken" Hollow Handle, etc), Water & Walce, New Haven, Conn.
Slocomb J. T. Co. (Micrometer), 35 Oxford, Providence, R. I.
Syracuse Twist Drill Co. ("Syracuse"), Borden av, Syracuse, N. Y.
Wells Corporation, The ("Williamsburg"), 15 Arch, Greenfield, Mass.
See adv index at end of book
Williams J. H. & Co. ("Agrippa" Lathe Tool Holders, Drop Forged Wrenches), 400 Vulcan, Buffalo, N. Y.

15698—Tool Stands (Portable)

Breese Bros. Co., The, 2349 Reading rd, Cincinnati, Ohio
See adv index at end of book
Lupton's David Sons Co. (Steel), Allegheny av & Tulip, Phila., Pa.
See adv at Shelving Steel
Western Tool & Mfg. Co. ("Champion" Movable Bench), Springfield, Ohio

Tool Steel

See Steel, Crucible; also Steel Bar Mills

15698a— Tools

See also Specific Article Required

A. M. Machine Works (Grinding), 25 N May, Chicago, Ill.
Beaver Machine & Tool Co., Inc., 625 No 3rd, Newark, N. J.
Binns W. H. Machine & Tool Works, 416 Harrison, San Francisco, Cal.
Central Machine Works, 12th & Tyler, St. Louis, Mo.
Chapin Skelton Corp., 406 E Ash, Syracuse, N. Y.
Cincinnati Elec. Tool Co., 1501 Freeman av, Cincinnati, O.
Cope T. J. ("Cope" Underground Conduit), 2112 Sansom, Phila., Pa.
Corbin Supply Co. (Dealers), Macon, Ga.
Elec. Appliance Mfg. Co. (To Order), Dept. H, Waterbury, Conn.
Francis & Co. ("Francis," Hand & Grinder, 50 State, Hartford, Conn.
Gray Iron Foundry Co. (Concrete, etc.), Reading, Pa.
Hurlbut-Rogers Broach Co. (Broaching), Hudson, Mass.
Jamestown Die & Tool Co., Dept. H, Jamestown, N. Y.
King Pneumatic Tool Co., 1736 Armitage av, Chicago, Ill.
See adv index at end of book
Kortick Mfg. Co., 335 1st, San Francisco, Cal.
Levi Benjamin, 355 W B'way, New York
Lidseen Gustave, 332 S Central av, Chicago, Ill.
McMorran Edw. E. & Co., 126 N Union, Chicago, Ill.
Malm & Stahl Tool Works, 561 Washington, Chicago, Ill.
Phoenix Specialty Mfg. Co., Inc., 48 Duane, New York
Scalbom Mfg. Co., 11 S Desplaines, Chicago, Ill.
Screw Machine Products Corp., 1012H Eddy, Providence, R. I.
Service Tool Die & Mfg. Co., 2256 Walnut, Chicago, Ill.
SHAPLEIGH HDWE. CO. (Diamond Edge), 4th & Washington, St. Louis, Mo.
Smith & Hemenway Co., Inc. (Fence "Red Devil"), 261 Broadway, New York & 130H Colt, Irvington, N. J.
See adv index at end of book
Stafford Tool Works, Hartford, Conn.
Stow Mfg. Co., Inc. (Motor Driven), Binghamton, N. Y.

15699—Tools (Asphalt Paving)

See also Tools, Paving

Anderson W. H. Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Barber Asphalt Co. ("Iroquois"), Land Title bldg, Phila., Pa.
Littleford Bros., 444 E Pearl, Cincinnati, Ohio.
See adv index at end of book
Pioneer Iron Works, 149 Pioneer, Brooklyn, N. Y.

15700— Tools (Assayers')

Calkins Co., 934 S. Main, Los Angles, Cal.
Sperry D. R. & Co. (Moulds, Pots Cupel Plates), Batavia, Ill.
Welch W. M. Scientific Co., 1516 Orleans, Chicago, Ill.

15701— Tools (Automobile)

Abegg & Rheinhold Co. (Varco), 2533 E 26th, Los Angeles, Cal.
Ashland Products Co. ("Quick Ezy" Rim Tool), Ashland, Ohio
Barcalo Mfg. Co., Buffalo, N. Y.
Beckley-Ralston Co., 1301 S Mich. av, Chicago, Ill.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Buffum Tool Co. ("Swastika" Cylinder Ring Remover), South Side, Louisiana, Mo.
Campbell Auto Works (Bearings Puller), 238 N El Dorado, Stockton, Cal.
Chicago Pneumatic Tool Co., 6 E 44th, New York. *See adv index at end of book*
Cincinnati Tool Co., Norwood, Cincinnati, Ohio
Curfman F. L. Mfg. Co., Marysville, Mo.
Fairmount Tool & Forging Co. ("Fairmount"), 10611 Quincy av, Chicago, Ill.
Gemco Mfg. Co. ("Gemco," Tire Tools), Milwaukee, Wis.
Gogie C. Hand-Forged Tool Co., San Carlos, Cal.
Greenfield Tap & Die Corp. ("G. T. D." Taps, Dies, Reamers, Twist Drill, Gauges), Greenfield, Mass.
Hammacher Schlemmer & Co. (Dirs.), 133 4th av, New York
Helwig Mfg. Co. ("Helwig" Pneumatic Riveting Hammers, "Helwig" Pneumatic Chipping Hammers, "Helwig" Pneumatic Reversible Drills & Bolt & Rivet Clippers "Helwig"), St. Paul, Minn.
McKaig Hatch, Inc., Ontario & Skellen, Buffalo, N. Y.
Mapsen Mfg. Co., 2931 Whittier blvd, Los Angeles, Cal.
Michelin Tire Co. (Tire Tools), Milltown, N. J.
Mound Tool Co. ("Mound"), 1203 S 7th, St Louis, Mo.
PAL-WELD MFG. CO., INC., ("Pal-Weld" Scored Cylinder Tools), 1207 Pine, Seattle, Wash.
Plomb Tool Mfg. Co. (Wrenches Only), 2209 Santa Fe av, Los Angeles, Cal.
Rhodes Mfg. Co. (Tire Removers), Grand Rapids, Mich.
Rochester Tool & Gage Co., 2040 East av, Rochester, N. Y.
Shawver Co. (Tire Removers, "Springfield"), Springfield, O.
Sunset Mfg. Co. (Valve Guides), 1323 E 6th, Los Angeles, Cal.
Van Doren Mfg. Co. ("Vander"), Chicago Heights, Ill.
Veltum & Clow Mfg. Co. ("Woodson's" Facing Tool for Spindles for Ford & Chevrolet), Eugene, Ore.
Vichek Tool Co. ("Vichek"), 3000 E 37th, Cleveland, O.
Williams J. H. & Co., 400 Vulcan, Buffalo, N. Y.

15702— Tools (Balancing)

Anderson Bros. Mfg. Co. (Balancing Ways), Rockford, Ill
Bowsher N. P. Co. (Balancing Way), South Bend, Ind.
Rockford Tool Co. ("20th Century," for Pulleys, Cones, Armatures, Fly Wheels, Airplane Propellers, etc), Rockford, Ill.

15703— Tools (Beading)

Anderson W. H. Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Buffum Tool Co. ("Swastika," Boilermakers'), South Side, Louisiana, Mo.
Cleveland Punch & Shear Works Co. (Flue Beaders), 3917 St. Clair av, N E, Cleveland, Ohio
See adv index at end of book
Eagle Tool Works, Bayonne, N. J.
Goldblatt H. Tool Co., 1522 Walnut, Kansas City, Mo.
Iron City Tool Works (Ltd.), 3201 Smallman, Pittsburgh, Pa.
Leetonia Tool Co., Leetonia, O.
Lovejoy Tool Works, 319 W Ohio, Chicago, Ill.
See adv index at end of book
Marshalltown Trowel Co., Marshalltown, Ia.
Stanley Rule & Level Co., New Britain, Conn.
Wiedeke Gustav & Co. (Boilermakers'), Dayton, O.

15704—Tools (Bell Centering)

Braunsdorf-Mueller Co., Elizabeth, N. J.

15704a—Tools (Blacksmiths')

See also Index of Contents for Specific Articles Wanted

Carlson Forgings Co., 733 Fulton, Chicago. Ill.
Chambersburg Engineering Co., Chambersburg, Pa.
Evansville Tool Wks., 701 W Md., Evansville, Ind.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Ketler-Elliott Co. ("Ketoco"), 31st & California, Chicago, Ill.

15705—Tools (Boilermakers')

American Die & Tool Co., Reading, Pa.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
California Tool Works, 181 Beale, San Francisco, Cal.
Chambersburg Engineering Co., Chambersburg, Pa.
Chicago Pneumatic Tool Co., 6 E 44th, New York. *See adv index at end of book*
Cleveland Punch & Shear Works Co., 3917 St. Clair av, N E, Cleveland, O.
See adv index at end of book
Engineering Products Co., Rialto bldg, San Francisco, Cal.
See adv index at end of book
Faessler J. Mfg. Co. (Hand & Pneumatic), Moberly, Mo.
Greenfield Tap & Die Corp. ("G. T. D." Taps & Reamers), Greenfield, Mass.
Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book
Ketler & Elliott Co. ("Ketoco"), 31st & California, Chicago, Ill.
King Pneumatic Tool Co., 1736 Armitage av, Chicago, Ill.
See adv index at end of book
Lovejoy Tool Works, 319 W Ohio, Chicago, Ill.
See adv index at end of book
Plomb Tool Mfg. Co., 2209 Santa Fe av, Los Angeles, Cal.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Thomson Alex, Fitchburg, Mass.
Van Doren Mfg. Co. ("Vandor"), Chicago Heights, Ill.
Wiedeke Gustav & Co. (Tube Expanders, Beading Tools, Tube Cutters), Dayton, O.

15706— Tools (Bookbinders')

Hickok W. O. Mfg. Co., Harrisburg, Pa.

15707— Tools (Boring)

See also Tools, Lathe; also Braces; also Drills, Automatic

Alert Tool Co. ("Alert" & Facing High Speed), 1321 W Tioga, Phila., Pa.
Allen & Curtiss Co. ("Simple"), Benton Harbor, Mich.
Armstrong Bros. Tool Co. ("Armstrong," also Three Bar), 339 N Francisco av, Chicago, Ill.
Blakely W. W. ("Common Sense" Adjustable), 369 Edison, Detroit, Mich.
Clark Machinery Co., 1235 St. Clair, Cleveland, Ohio
Connecticut Valley Mfg. Co. ("Jennings" Wood), Centerbrook, Conn.
Forest City Bit & Tool Co. (Wood Boring & Hollow Mortising), Rockford, Ill.
Goodell Mfg. Co., Greenfield, Mass.
Greenlee Bros Co. (Wood Boring & Hollow Mortising), 12th, Rockford, Ill.
Kelly Reamer Co. ("Kelly"), 3705 W 73d, Cleveland, O.
Lovejoy Tool Co. Inc. ("Lovejoy" Inserted Cutter Type), Springfield, Vt.
Lucas Machine Tool Co., 524 E 99th, Cleveland, Ohio.
Mayhew H. H. Co., Shelburne Falls, Mass.
Millers Falls Co. (Automatic), Millers Falls, Mass.
Morris Tool Co., 30 Church, New York
O. K. Tool Holder Co. ("O. K."), Shelton, Conn.
Ready Tool Co. ("Red-E"), Bridgeport, Conn
Rigid Tool Holder Co. ("Rigid"), 3322 Volta pl, Washington, D. C.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
Stanley Works, New Britain, Conn.
See adv index at end of book
Star Bit & Tool Co. (Wood Boring & Hollow Mortising), Rockford, Ill.
Toledo Pipe Threading Machine Co. ("Toledo" Ratchet, Wood), 1440 Summit, Toledo, O.
Union Tool Co., Orange, Mass.
Vaughan & Bushnell Mfg Co., 2114 Carroll av, Chicago, Ill.
Western Tool & Mfg. Co. ("Champion"), Springfield, Ohio
Whitman & Barnes Mfg. Co., Akron, O.
See adv index at end of book
Williams J. H. & Co. ("Agrippa" Boring Tool Holders), 400 Vulcan, Buffalo, N. Y.
Wrightville Hardware Co. ("Quad" & "Quint," for Augur Mortisers), Wrightsville, Pa.

15708— Tools (Burring)

Greenfield Tap & Die Corp. ("G. T. D." Spiral Fluted, Burring Reamers), Greenfield, Mass.
Newton Mfg. Corp. (Valve Grinders, Valve Cage Removers, Valve Spring Compressor, Valve Silencers, etc.), Plainville, Conn.
See adv index at end of book

15709— Tools (Calking)

Anderson W. H. Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Carver Tool Works, Spring Valley, N. Y.
Chicago Pneumatic Tool Co., 6 E 44th, New York. *See adv index at end of book*
Drew C. & Co., Kingston, Mass.
Fairmount Tool & Forging Co. (Fairmount"), 10611 Quncy av, Cleveland, Ohio
King Pneumatic Tool Co., 1736 Armitage av, Chicago, Ill.
See adv index at end of book
Kortick Mfg. Co., 335 1st, San Francisco, Cal.
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Leetonia Tool Co., Leetonia, Ohio
Lovejoy Tool Works (Straight or Bent), 319 W Ohio, Chicago, Ill.
See adv index at end of book
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Marcy Tool Works, Putnam, Conn.
Mound Tool Co., 1202 S 7th, St. Louis, Mo.
Mueller H. Mfg. Co. (Combination Soil Pipe), Decatur, Ill.
See adv index at end of book
Phillips F. & Son, 1336 Greenmount av, Baltimore, Md.
Plomb Tool Mfg. Co., 2209 Santa Fe, Los Angeles, Cal.
Pollard J. G., 141 Raymond, Brooklyn, N. Y.
Stanley Rule & Level Plant (Atha Div.), New Britain, Conn.
Stortz John & Son Inc. (Plumbers, Boiler & Ship), 210 Vine, Phila., Pa.
Union Iron Works, Hoboken, N. J.
Van Doren Mfg. Co. ("Vandor"), 227 W Erie, Chicago Heights, Ill
White L. & I. J. Co., 120 Columbia, Buffalo, N. Y.
Wilcox, Crittenden & Co. Inc. (Calking Irons), 444 S Main, Middletown, Conn.
See adv index at end of book

15710—Tools (Carpenters')

See also Index of Contents for Specific Article Required

Cincinnati Tool Co., Main & Waverly av, Cincinnati, Ohio
Consolidated Tool Works Inc., 296 B'way, New York
Goodell Pratt Co., Greenfield, Mass.
Heller Brothers Co., 870 Mt. Prospect av, Newark, N. J.
Hood Bros., Palethorp & Oxford, Phila., Pa.
Starrett L. S. Co., Athol, Mass.

Tools (Cement Sidewalk)

See Tools, Concrete Finishing

15711—Tools (Cement Workers')

Anderson W. H. Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Cement Tool Co. ("Sturgis"), 625 Turner, Los Angeles, Cal.
Martin Iron Works, 1222 E 23th, Los Angeles, Cal.
Stortz John & Son Inc., 210 Vine, Phila., Pa.

15712— Tools (Comb)

Grimes & Harris, Leominster, Mass.
Standard Tool Co., 300 Whitney, Leominster, Mass.

15713— Tools (Combination)

Benefiel C. E. Co. ("Handi-Tool"), 501 Univ. av, Indianapolis, Ind.
Chicago Flexible Shaft Co. ("Stewart" Handy Worker), 5600 W Roosevelt rd, Chicago, Ill.
Harrah Mfg. Co. ("12-In-1"), Bloomfield, Ind.
Reed Evan L. Mfg. Co., Tipton, Danville, Ill.
Williams J. H. & Co. (Demountable Rim), 400 Vulcan, Buffalo, N. Y.

15714—Tools (Commutator, Truing)

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Jordan Bros., 74 Beekman, New York

15715—Tools (Concrete Finishing)

Abram Cement Tool Co., Marquette bldg, Detroit, Mich.
Anderson W. H. Tool & Supply Co. (Edgers, Groovers, Markers, Rollers, Framers, etc.), Franklin & Dubois, Detroit, Mich.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Brunner & Lay, 570 W Polk, Chicago, Ill.
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, Ohio
See adv index at end of book
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Cement Tool Co. ("Sturgis"), 625 Turner, Los Angeles, Cal.
Cheney S. & Co., Manlius, N. Y.
City Tool Works, 356 E 2d, Los Angeles, Cal.
Crescent Tool Mfg. Co. (Steel or Bronze), 1002 Cass av, St. Louis, Mo.
Dallett Thos. H. Co., 165 W Clearfield, Philadelphia, Pa.
Duffy Mfg. Co., 314 W Grand av, Chicago, Ill.
Goldblatt H. Tool Co., 1522 Walnut, Kansas City, Mo.
Gray Iron Foundry Co., Reading, Pa.
Holtum Mfg. Co. ("S. & H." Aluminum & Name Stamps), Freeport, Ill.
Kramer Bros. Foundry Co. ("Gem"), Dayton, O.
Rock Island Mfg. Co., Rock Island, Ill.
Stortz John & Son, 210 Vine, Phila., Pa.
Vogt Tool Co., 912 E 19th, Kansas City, Mo.
Walstad Machine Co., 1005 East D, Tacoma, Wash.

15716— Tools (Coopers')

American Axe & Tool Co., Glassport, Pa.
Chapin, Stephens Co., Pine Meadow, Conn.
Cincinnati Tool Co., Main & Waverly av, Cincinnati, Ohio
Collins Co., Collinsville, Conn.
Crescent Tool Mfg. Co. ("Crescent" Punch), 1002 Cass av, St. Louis, Mo.
Drew C. & Co., Kingston, Mass.
Emerson Smith & Co., Beaver Falls, Pa.
Iron City Tool Works, Ltd., 3201 Smallman, Pittsburgh, Pa.
Mack & Co. ("D. R. Barton" Axes, Adzes, Anvils, Drawing Knives, Beck Horns, etc), Rochester, N. Y.
Piqua Handle & Mfg. Co., P. O. Box 307, Piqua, O.
Redlich Mfg. Co., 637-647 W Oak, Chicago, Ill.
Sandusky Tool Co. (Wood Tools, etc), Sandusky, O.
Stanley Rule & Level Plant (Atha Div.), New Britain, Conn.
Stortz John & Son, 210 Vine, Phila., Pa.
Swan Jas. Co., Seymour, Conn.
Wilbert F. V., 443 Folsom, San Francisco, Cal.
White L. & I. J. Co., 120 Columbia, Buffalo, N. Y.

15717— Tools (Cotter Pin)

Billings & Spencer Co. ("B. & S."), Hartford, Conn.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Chicago Tool & Kit Co., 160 Whiting, Chicago, Ill.
Fairmount Tool & Forging Co. ("Fairmount"), 10611 Quincy av, Cleveland, Ohio
Marcy Tool Works, Putnam, Conn.
Vichek Tool Co. ("Vichek"), 3000 E 87th, Cleveland, O.

15718— Tools (Cutting-Off)

Armstrong Bros. Tool Co. ("Armstrong" Straight & Right & Left Hand), 321 N Francisco av, Chicago, Ill.
Goodell-Pratt Co., Greenfield, Mass.
O. K. Tool Holder Co. ("O. K."), Shelton, Conn.
Pratt & Whitney Co. ("Johnson" Cutting Off Blades), Hartford, Conn.
See adv index at end of book
Ready Tool Co. ("Red-E"), Bridgeport, Conn.
Union Tool Co. ("Hill High Speed"), Orange, Mass.
Van Doren Mfg. Co. ("Vandor"), 227 W Erie, Chicago Heights, Ill.
Walworth Mfg. Co., Boston, Mass.
Western Tool & Mfg. Co. ("Champion"), Springfield, O.
Williams J. H. & Co. ("Vulcan" & "Agrippa" Drop Forged), 400 Vulcan, Buffalo, N. Y.

15719—Tools (Diamond, Turning, Etc.)

See also Emery Wheel Dressers; also Cutters, Glass

ACME DIAMOND TOOL CO., 170 Broadway, New York
Crafts Arthur A. & Co., 125 Summer, Boston, Mass.
Dessau Maurice, 6 Maiden Lane, New York
Diamond Drill Carbon Co., 59 Park row, New York
Diamond Pointed Tool Co., 101H Beekman, New York
Dickinson Thos. L., 26 Gold, New York
Dixon Wm., 119 Fulton, New York
Francis & Co., 50 State, Hartford, Conn.
Levine Abram, 2 Maiden Lane, New York
Mendes Cutting Factories ("Mendes" for all Mechanical Purposes), 105 N 40th, New York
Meyers Willard F. Co., Bedford, Ind.
Osgood J. L. Tool Co. ("Black Diamond"), Buffalo, N. Y.
Safety Emery Wheel Co. (Hand Lathe), Springfield, O.
Tanite Co., Stroudsburg, Pa.
Union Tool Co., Orange, Mass.
Wennstrom's John Sons Co., Suffern, N. Y.
Wheel Truing Tool Co., Penobscot bldg, Detroit, Mich.

15720-1—Tools (Draftsman's)

Acme Blue Print Paper Co., Adams Express bldg, Chicago, Ill.
Defiance Mfg. Co., 384-6 B'way, New York
Elliott B. K. Co., 126 6th, Pittsburgh, Pa.
Starrett L. S. Co., Athol, Mass.
Warren Tool & Forge Co., 145 Griswold, Warren, O. *See adv index at end of book*
Weber F. Co., 1220 Buttonwood, Phila., Pa.

Tools (Drill Sharpening)

See Drill, Sharpening Machines

15722—Tools (Drilling & Fishing, Oil Well)

Acme Fishing Tool Co., Parkersburg, W. Va.
American Well & Prospecting Co., Corsicana, Tex.
American Well Works, The, 110 N Broadway, Aurora, Ill.
Associated Well Supply Co. Inc. (Jobbers), 19 Moore, New York
Baash-Ross Tool Co., 1512 Boyle av, Los Angeles, Cal.
Baker Casing Shoe Co., Coalinga, Cal.
Bakersfield Iron Works, 24th & M, Bakersfield, Cal.
Benner Tool Co., Swissdale, Pa.
Boardman Robt. Co., Oil City, Pa.
Bovaird Supply Co., Independence, Kan.
Bovaird & Seyfang Mfg. Co., Bradford, Pa.
Bradford Supply Co., Bradford, Pa.
Bunting Iron Wks., First Nat. Bk. bldg, San Francisco, Cal.
Cal. Well Tool & Machine Works, 1033 Alhambra av, Los Angeles, Cal.
Columbus Forge & Iron Co., Columbus, O.
Continental Supply Co., Post Despatch bldg, St. Louis, Mo.
Craig Oil Tool Co., Ft. Water, Long Beach, Cal.
Crotty J. J. & Co., Parkersburg, W. Va.
Davin J. J., Washington, Pa.
Dobbins Core Drill Co., Inc., 81-85 Sixth St., Long Island City, N. Y.
See adv index at end of book
Dunn Mfg Co. ("Dunn"), Oxnard, Cal.
Herron R. H. Co., 934 N Alemeda, Los Angeles, Cal.
Kesselman & Co., Butler, Pa.
Keystone Driller Co., Beaver Falls, Pa.
See adv index at end of book
Larkin J. J., Bartelsville, Okla.
Larkin & Co., Butler, Pa.
Leidecker Tool Co., Marietta, O.
McDermott P. J., Martins Ferry, O.
Masseth Packer & Machine Co. ("M & B"), Butler, Pa.
Mills Iron Works Inc., 929 N Main, Los Angeles, Cal.
Muirhead John & Son, Pittston, Pa.
Muskogee Tool Co. (Bits, Bailers Jars & Stems etc.), 6th & Elgin, Muskogee, Okla.
National Supply Co., Union Bank bldg, Pittsburgh, Pa.
Norwalk Drilling Tool Co., Norwalk, O.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Okell Well Machinery Co., 151 N Los Angeles, Los Angeles, Cal.
Pacific Oil Tool Co. ("Driscoll"), 1923 E 7th, Los Angeles, Cal.
Phillips David Co., Bradford, Pa.
Regan Forge & Engrg. Co., San Pedro, Cal.
Rotary Disc Bit Co., 55th & Alameda, Los Angeles, Cal.
Saunderson-Cyclone Drill Co. ("Cyclone"), Orrville, Ohio
Sheridan John J. & Co., Mars, Pa.
Spang & Co., Butler, Pa.
Specialties Mfg. Co. ("Drilling"), 2132 Sacramento, Los Angeles, Cal.
Star Drilling Machine Co., Akron, O.
Tuna Iron & Steel Works,, Bradford, Pa.
Union Tool Co., Torrance, Cal.
Western Forge & Tool Works, 209 Jefferson, Oakland, Cal.
Wilson & Willard Mfg. Co., 2301 E Vernon av, Los Angeles, Cal.
Zahniser Bros. & Sten, Washington, Pa.

15723— Tools (Electric)

Chicago Pneumatic Tool Co., 6 E 44th, New York. *See adv index at end of book*
Dopp J. W. & Co. (Dealers), 18 W Columbus, Detroit, Mich.
King Pneumatic Tool Co., 1736 Armitage av, Chicago, Ill.
See adv index at end of book
Neil & Smith Electric Tool Co., 8th & B'way, Cincinnati, O.
Standard Elec. Tool Co., Western av & York, Cincinnati, Ohio.

(Continued on following page)

Tools (Electric)—Continued

Stow Mfg. Co., Inc. (Motor Driven), Binghamton, N. Y.
See adv index at end of book
U. S. Electrical Tool Co., Cincinnati, Ohio

15724— Tools (Engravers)

Automatic Engraving & Mfg. Co., Inc., 476 B'way, New York
Bullock Mfg Associates, Springfield, Mass.
Dixon Wm. (& Supplies), 119 Fulton, New York
Hoggson & Pettis Mfg. Co., 161H Brewery, New Haven, Conn.

15725—Tools (Expansion Boring)

Davis Boring Tool Co. ("Davis"), 3722 Forest Park bl, St. Louis, Mo.

15726— Tools (Farriers')

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Champion Tool Co., Meadville, Pa.
Evansville Tool Works, 701 W Md., Evansville, Ind.
Hammond C. & Son, Ogontz, Pa.
Heller Bros. Co., 379 Mt. Prospect av, Newark, N. J.
Stanley Rule & Level Plant (Atha Div.), New Britain, Conn.
Van Doren Mfg. Co. ("Vandor"), Chicago Heights, Ill.
Vaughan & Bushnell Mfg. Co., 2114 Carroll av, Chicago, Ill.

15727— Tools (Fillet)

Brodin Pattern & Supply Works, 2420 W 16th, Chicago, Ill.
Timmis & Clissold, Bound Brook, N. J.

15728—Tools (Finishing Gutter & Step)

Anderson W. H. Tool & Supply So., 134 Brush, Detroit, Mich.
Crescent Tool Mfg. Co. (Sheet Metal, All Sizes & Designs), 1002 Cass av, St. Louis, Mo.
Rock Island Mfg. Co., Rock Island, Ill.

15729-30— Tools (Firing)

Anderson, W. H., Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Auer John, Jr., 197 Middleton, Brooklyn, N. Y.
Focht, Geo. Sons, 117-119 Adams, Hoboken, N. J.
Grabler Mfg. Co., Cleveland, O.
Leetonia Tool Co., Leetonia, O.
Pollard Jos. G., 141 Raymond, Brooklyn, N. Y.

Tools (Gardeners')

See Index of Contents for Specific Article Required

15731-2—Tools (Glassmakers')

Blaisdell Machine Works (Medical, Laboratory & Scientific), Vineland, N. J.
Dixon H. L. Co., Rosslyn rd, Carnegie, Pa.
Forger, A. H. & Co., 2414 E 58th, Los Angeles, Cal.

15733— Tools (Graining)

Burton A. & E. & Co. (Painters'), 73 Pearl, Boston, Mass.

15734— Tools (Granite & Stone Cutters')

See also Pneumatic Stone Cutting Tools
Anderson, W. H., Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Brunner & Lay, 570 W Polk, Chicago, Ill.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Chicago Pneumatic Tool Co., 6 E 44th, New York. *See adv index at end of book*
City Tool Works, 856 E 2d, Los Angeles, Cal.
Cooley Wright Mfg. Co., Waterbury, Vt.
Dallett Thos. H. Co., ("Dallett" Pneumatic etc.), 165 Clearfield, Phila., Pa.
Davey John H., New London, Conn.
Goldblatt H. Tool Co., 213 E 15th, Kansas City, Mo.
Harrison Supply Co., 5 Dorchester, Boston, Mass.
Heartley Machine, Variety Iron & Tool Works, 900 Summit, Toledo, O.
Iron City Tool Works, Ltd., 3201 Smallman, Pittsburgh, Pa.
Kemp J. F. & Co., Quincy, Mass.
Zing Pneumatic Tool Co., 1736 Armitage av, Chicago, Ill.
See adv index at end of book
Kortick Mfg. Co., 335 1st, San Francisco, Cal.
Livingston Mfg. Co., Rockland, Me.
Phillips F. & Son, 1336 Greenmount av, Baltimore, Md.
Stubbs Steel Co., 17 N 5th, Phila., Pa.
Trimbach Geo. Dayton, O.
Trow & Holden Co., Barre, Vt.
Vogl Tool Co., 912 E 19th, Kansas City, Mo.
Vulcan Tool Mfg. Co., Quincy, Mass.
Willbas Gustaf, Quincy, Mass.

15735—Tools (Gun Cleaning & Reloading)

Marble Arms & Mfg. Co. ("Marble" Gun Rods & Cleaners), Gladstone, Mich.
Parker Bros. (Cleaning & Reloading), Meriden, Conn.
Rupert G. G. ("G. & R." Cleaning Rod), Decatur, Ill.
Savage Arms Corp. (Reloading), Utica, N. Y.
Union Hardware Co. (Cleaning & Reloading), Torrington, Conn.
U. S. Cartridge Co. ("Belcher's" Automatic Magazine Cartridge Loader), Lowell, Mass.
Winchester Repeating Arms Co. ("Winchester") (Reloading), 275 Winchester, New Haven, Conn.
Worcester Brush & Scraper Co. ("Criss-Cross," Gun Cleaner & Gun Rod), 456 Park av, Worcester, Mass.

15736-7—Tools (Harness & Saddlery)

Horn Wm. H. & Bro. ("Diamond," "Crown"), 451 N 3d, Phila., Pa.

15738— Tools (Haying)

American Fork & Hoe Co. (Hand Tools), Swetland bldg, Cleveland, O.
Appleton Hay Tool Co. ("Miller Eagle"), Appleton, Wis.
Barley Thos. K. Sedalia, Mo.
Emerson-Brantingham Co. ("E.-B." & "E.-B. Osborn"), Rockford, Ill.
Fleming & Sons Mfg. Co., Huntsville, Mo.
Herschel B. Mfg. Co., Peoria, Ill.
Hudson Mfg. Co., 324 3d av N, Minneapolis, Minn.
Hunt, Helm, Ferris & Co., Harvard, Ill.
Jenkins Hay Rake & Stacker Co., Chillicothe, Mo.
Louden Machinery Co., Fairfield, Ia.
Milwaukee Hay Tool Co., Layton Park, Milwaukee, Wis.
Myers F. E. & Bro., 950 Orange, Ashland, O.
See adv index at end of book
Ney V. L. Hay Tool Co., Canton, O.
O'Neil T. L., Marseilles, Ill.
Porter J. E. Co., Ottawa, Ill.
Strickler Hay Tool Co., Janesville, Wis.
Swineford G. A. Co., Canton, O.
Syracuse Chilled Plow Co., Syracuse, N. Y.

15739—Tools (Hollow Handle Sets)

See also Tools, In Sets
Bergman Tool Mfg. Co. (Metal), Buffalo, N. Y.
Millers Falls Co., Millers Falls, Mass.
Morgan Mfg. Co., Inc. ("Morgans Handy") Keene, N. H.

Tools (Hollow Mortising)

See Chisels, Hollow Mortising

15740—Tools (Ice Harvesting)

Anderson W. H. Tool & Supply So., 134 Brush, Detroit, Mich.
Bodenstein J. G. & Co., Staatsburgh, N. Y.
Dernell H. F. Co., Athens, N. Y.
Gifford-Wood Co., Hudson, N. Y.
Gruman Ice Tool Works, Branchville, Conn.
Heartley Machine, Variety Iron & Tool Works, 900 Summit, Toledo, O.
Stevens Benj. A. Co., Toledo, O.

15741—Tools (Interchangeable)

Currier-Koeth Mfg. Co. ("Koeth's"), Coudersport, Pa.

Tools (Jewelers')

See Tools, Watchmakers' & Jewelers'

15742—Tools (Key Seating)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Davis C. F. Machine Co., 133 Andrews, Rochester, N. Y.
National Machine Tool Co. ("National"), 2270 Spring Grove, Cincinnati, Ohio
Seeger Machine Tool Co., 34 S Forsyth, Atlanta, Ga.
Union Tool Co., Orange, Mass.
Vichek Tool Co. ("Vichek"), 3000 E 87th, Cleveland, O.

15743— Tools (Knurling)

Alert Tool Co. ("Alert," Hand Up to ½ inch in Diameter), 1321 W Tioga, Phila., Pa.
Armstrong Bros. Tool Co. ("Armstrong," Plain & Revolving Head), 339 N Francisco ave, Chicago, Ill.
Billings & Spencer Co. ("Billings"), Hartford, Conn.
Ernst Montrose, 149 Church, New York
Goodell-Pratt Co. (Hand), Greenfield, Mass.
Gray Machine & Parts Corp., Dept. H, Batavia, N. Y.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Williams J. H. & Co. ("Agrippa" Drop-Forged), 400 Vulcan, Buffalo, N. Y.

15744—Tools (Lathe & Planer)

Armstrong Bros. Tool Co. (Also Shaper), 339 N Francisco av, Chicago, Ill.
Atlas Engineering Co. (Lathe), Lincoln, N. J.
Bagshaw & Field, 445 N 5th, Phila., Pa.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Cincinnati Planer Co. ("Whalen" Planer), 3120 S Oakley, Cincinnati, Ohio.
Diamond Tool & Die Co., 438 Asylum, Hartford, Conn.
Gleason Works (Automatic Bevel Gear Planers; Generating & Forming), 1000 University av, Rochester, N. Y.
See adv index at end of book
Goodell-Pratt Co. (Lathe, Small Size Only), Greenfield, Mass.
Lovejoy Tool Co. Inc. ("Lovejoy" Inserted Cutter Type), Springfield, Vt.
Marcy Tool Works, Putnam, Conn.
Meriden Machine Tool Co., Meriden, Conn.
Morris Tool Co., 30 Church, New York
Myers Lathe Tool Co. ("Universal," Lathe Only), 416 E 9th, Los Angeles, Cal.
O. K. Tool Holder Co. ("O. K."), Shelton, Conn.
Ready Tool Co. ("Red-E" Side Lathe), Bridgeport, Conn.
Smith R. G. Tool & Mfg. Co., 249 N. J. R. R. av, Newark, N. J.
Stortz Jno. & Son, 210 Vine Phila., Pa.
Union Lathe Wks., York, Pa.
Union Tool Co. ("Eberhardt"), Orange, Mass.
Van Doren Mfg. Co. ("Vandor"), 227 W Erie, Chicago Heights, Ill.
WESTERN TOOL & MFG. CO. ("Champion" Side Tool), Springfield, Ohio
Williams, J. H. & Co. ("Vulcan" & "Agrippa" Drop Forged), 400 Vulcan, Buffalo, N. Y.

15745— Tools (Lead Burners)

Geforer C. & Son, 1017 Ridge, Phila, Pa.

15745a—Tools (Leather Workers)

Osborne C. S. & Co., Box 183, Newark, N. J.
See adv index at end of book

15746— Tools (Linemen's)

Atha Tool Co., ft Chapel, Newark, N. J.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Cincinnati Tool Co., Main & Waverly av, Cincinnati, Ohio
Columbus Handle & Tool Co., Columbus, Ind.
Dicke Tool Co., Downers Grove, Ill.
Irvington Mfg. Co. ("Irvington" & "Red Devil"), Irvington, N. J.
Klein Mathias & Sons, 3200 Belmont av, Chicago, Ill.
Stortz Jno. & Son, 210 Vine, Phila., Pa.

15747—Tools (Logging & Lumberman's)

American Logging Tool Co. ("Sanford," "Champion," "Blue Line," "Oshkosh," "Columbia," "Evart," "American"), Evart, Mich.
Avery & Co., 48 3rd, Portland, Ore.
Channon Jas. H., Mfg. Co., 227 W Erie, Chicago, Ill.
Dixie Legging Tool Co., James & Elizabeth, Chattanooga, Tenn.
Gerlach Peter Co., 1712 Winter, Cleveland, O.
Grays Harbor Iron & Steel Co., Hoquiam, Wash.
Leetonia Tool Co. (Cant Hooks & Peavey Hooks), Leetonia, O.
Oshkosh Mfg. Co., Oshkosh, Wis.
Pidgeon-Thomas Iron Co., Memphis, Tenn
Prouty C. & Co., Eldred, Pa.
R. & S. Engraving & Die Works (Branding Hammers), 617-631 W Jackson blvd, Chicago, Ill.
See adv index at end of book
Ransome Concrete Machinery Co., Dunellen, N. J.
Reed & Skeppstrom, 625 Jackson blvd, Chicago, Ill.
See adv index at end of book
Romick A. R., Kelso, Wash.
Simonds Mfg. Co., Ltd. (Jobbers), 420 Canal, New Orleans, La.
Stacy Eugene C. (Load Binders), Tiffin, O.
Warren Axe & Tool Co. ("Bull Dog"), Warren, Pa.
Woodward Wight & Co., Ltd. ("Strength & Wear"), Howard av & Constance, New Orleans, La.

15748— Tools (Machinists')

Anderson L., 544 W Lake, Chicago, Ill.
BETTES & EBSEN, 152 Chambers, New York.
Brock Arthur Jr. Tool & Mfg. Works, 533 N 11th, Phila., Pa.

Gogle C., Hand-Forged Tool Co., San Carlos, Cal.
Hood Bros., Palethrop & Oxford, Phila., Pa.
Indicating Calipers Corp., 506 E 19th, New York.
See adv index at end of book
Ketler-Elliott Co. ("Ketoco"), 31st & California, Chicago, Ill.
Marvin W. B. Mfg. Co. ("Marvin"), Urbana, O.
Myers Machine Tool Corp. ("Myers"), Columbia, Pa.
Plomb Tool Mfg. Co., 2209 Santa Fe av, Los Angeles, Cal.
Purinton & Smith, Hartford, Conn.
Scandia Mfg. Co., 103 Mechanic, Newark, N. J.
Smith W. L. (Jobbers), Newburgh, N. Y.
Starrett L. S. Co., Athol, Mass.
Williams J. H. & Co. (Drop Forged), 400 Vulcan, Buffalo, N. Y.

Tools (Marble Workers')

See Tools, Granite & Stone Cutters

15749— Tools (Mason's)

Anderson, W. H., Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Brunner & Lay, 570 W Polk, Chicago, Ill.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
City Tool Works, 356 E 2d, Los Angeles, Cal.
Cresecent Tool Mfg. Co., 1002 Cass av, St. Louis, Mo.
Drew C. & C. Co., Kingston, Mass.
Fairmont Tool & Forging Co. ("Fairmount"), 10611 Quincy av, Cleveland, Ohio
Goldblatt H. Tool Co., 1522 Walnut, Kansas City, Mo.
Phillips F. & Son, 1336 Greenmount av, Baltimore, Md.
Plomb Tool Mfg. Co., 2209 Santa Fe av, Los Angeles, Cal.
Van Doren Mfg. Co. ("Vandor"), Chicago Heights, Ill.
Vogl Tool Co., 912 E 19th, Kansas City, Mo.

15750— *Tools (Measuring)

Norma Co. of America, Anable av, Long Island City, N. Y.

Tools (Metal Workers')

See Specific Article Required

15751—Tools (Milling Machine)

Atha Tool Co., ft Chapel, Newark, N. J.
Brown & Sharpe Mfg. Co., Providence, R. I.
Cleveland Milling Mach. Co., 18521 Euclid av, Cleveland, Ohio
Pratt & Whitney Co., Hartford, Conn.
Sommer & Adams Co., 18511 Euclid av, Cleveland, Ohio

15752—*Tools (Millwrights')

Starrett L. S. Co., Athol, Mass.

15753— Tools (Mining)

American Mining Tool Co., Ottumwa, Ia.
Beall Bros. ("Old Alton"), Alton, Ill.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Chicago Pneumatic Tool Co., 6 E 44th, New York. *See adv index at end of book*
Cyclone Machine Co., Pittston, Pa.
DOOLEY BROS., 1201 S Washington, Peoria, Ill.
Evansville Tool Wks., 701 W Md., Evansville, Ind.
Funk Bros. Mfg. Co. (Coal), 53 W Jackson, Chicago & Chicago Heights, Ill.
Hardsocg Martin Co., 922 South av, Pittsburgh, Pa.
Iron City Tool Works, Ltd. (Coal Miners'), 3201 Smallman, Pittsburgh, Pa.
Iwan Bros., South Bend, Ind.
King Pneumatic Tool Co., 1736 Armitage av, Chicago, Ill.
See adv index at end of book
Klein-Logan Co., 13th & Breed, Pittsburgh, Pa.
Leetonia Tool Co. ("Leetonia"), Leetonia, Ohio
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Salem Tool Co., Salem, O.
See adv index at end of book

SALEM
COAL MINERS'
TOOLS and SUPPLIES
THE SALEM TOOL COMPANY
SALEM, OHIO

Warren Tool & Forge Co., 145 Griswold, Warren, O. *See adv index at end of book*
Warwood Tool Co., 19th Warwood, Wheeling, W. Va.
What Cheer Tool Co., What Cheer, Ia.

15754— Tools (Mitreing)

Carver Tool Works, Spring Valley, N. Y.
Goldblatt H. Tool Co., 1522 Walnut, Kansas City, Mo.

15755— Tools (Molders')

Barnett Oscar Foundry Co. ("Monk's"), Irvington, N. J.
Diston Hy. & Sons, Tacony, Phila., Pa.
Dobson, Wm., 209 Spencer, Canastota, N. Y.

DOBSON
MOLDERS' TOOLS
Guaranteed for Life
Perfect Shape, Hang, Temper and Finish
William Dobson, Canastota, N. Y.
Since 1880

Monk Chas., 83 18th, Brooklyn, N. Y.

15756—Tools (Motor Cycle Chain)

Bean Tool & Sales Co., Berea, O.

15757— Tools (Nailing)

Pearson E. Martin ("Pearson" Hand Nailer), Robbinsdale, Minn.

15758— Tools (Packing)

Anderson, W. H., Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Auer John Jr., 197 Middleton, Bklyn, N. Y.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Hubbard & Co. (Hooks & Paddles), 63d & Butler, Pittsburgh, Pa.
Lawrence, C. S. (Condenser), 21 Warren, New York
Mound Tool (& Scrapping), 1203 S 7th, St. Louis, Mo.
STRONG MACHINERY & SUPPLY CO. ("Lightning" & Improved Old Style), 292-294 Church, New York
See adv index at end of book

15759—Tools (Paper Hangers')

Bullock Mfg. Associates, Springfield, Mass.
Ridgely Trimmer Co., Springfield, O.

15760— Tools (Parting)

Swan James Co. (For Wood Turners), Seymour, Conn.
Williams, J. H. & Co. ("Vulcan" & "Agrippa" Drop Forged), 400 Vulcan, Buffalo, N. Y.

15761-2— Tools (Paving)

See also Tools, Concrete Finishing; also Tools, Asphalt Paving

Anderson, W. H., Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Crescent Tool Mfg. Co. ("Crescent" & Granitoid Sidewalk), 1002 Cass av, St. Louis, Mo.
Dallett Thos. H. Co., 165 W Clearfield, Phila., Pa.
Gray Iron Foundry Co., Reading, Pa.
Kramer Bros Foundry Co., Dayton, O.
Livingston Mfg. Co., Rockland, Me.
Phillips F. & Son, 1336 Greenmount av, Baltimore, Md.
Pollard Jos. G., 141 Raymond, Brooklyn, N. Y.
Reading Saddle & Mfg. Co. (Cement Finishing), Reading, Pa.
Trowe & Holden Co. ("Cutters"), Barre, Vt.
Union Iron Works, Hoboken, N. J.
Vogl Tool Co., 12 E 19th, Kansas City, Mo.

15763—Tools (Pipe Threading)

Armstrong Mfg. Co., 305 Knowlton, Bridgeport, Conn.
Borden Co., The ("Beaver"), Warren, O.
Erie Tool Works, Erie, Pa.
McMann & Taylor Co., 104 John, New York
See adv index at end of book
Manning, Maxwell & Moore, Inc., 100 E 42nd, New York
See adv index at end of book
Toledo Pipe Threading Machine Co. (Ratchet, etc), 1440 Summit, Toledo, O.
Walworth Mfg. Co., 82H Pearl, Boston, Mass.

15764— Tools (Pitching)

Anderson, W. H., Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Crescent Tool Mfg. Co., 1002 Cass av, St. Louis, Mo.
Goldblatt H. Tool Co., 1522 Walnut, Kansas City, Mo.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Phillips F. & Son, 1336 Greenwood av, Baltimore, Md.
Stortz Jno. & Son, 210 Vine, Phila., Pa.

Tools (Planer)

See Tools, Lathe & Planer

15765— Tools (Plasterers')

Bransdorf-Mueller Co., Elizabeth, N. J.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Curls, M. J., 1929 S Los Angeles, Los Angeles, Cal.
Goldbaltt H. Tool Co. (Aluminum & Wood Hawks, Aluminum & Wood Darbies, Cork & Wood Floats, Mitre Tools & Rods), 1522 Walnut, Kansas City, Mo.
Plomb Tool Mfg. Co., 2209 Santa Fe, Los Angeles, Cal.

15766—Tools (Plumbers' & Tinners')

Anderson, W. H., Tool & Supply Co. (Plumbers Only), Franklin & Dubois, Detroit, Mich.
B. B. Specialty Co., 423 Liberty av, Pittsburgh, Pa.
Bernz Otto, 17 Ashland av, Newark, N. J.
See adv index at end of book
Bicknell Mfg. & Supply Co. (Plumbers Only), Janesville, Wis.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Burritt O. W. & Bro. (Tinners' Only), Weedsport, N. Y.
Carver Tool Works, Spring Valley, N. Y.
City Tool Works, 356 E 2d, Los Angeles, Cal.
Delaware Tool Co., Wilmington, Del.
Emrich Phil. ("Emrich" Tinners), 324 Main, Cincinnati, Ohio
Erie Tool Works, Erie, Pa.
Fairmount Tool & Forging Co. ("Fairmount"), 10611 Quincy av, Cleveland, Ohio
Fleck Bros. Co. ("K. Korkers"), 44 N 5th, Phila., Pa.
Garrison Brass & Machine Works, 107 W 13th, New York
Gogle C. Hand-Forged Tool Co., San Carlos, Cal.
Hood Bros. (Plumbers), Palethorp & Oxford, Phila., Pa.
Johnson Wm. (Hedenberg Works), Newark, N. J.
Knoedler Fred J., 62H N 2d, Phila., Pa.
Kortick Mfg. Co., 335 1st, San Francisco, Cal.
Marburg Bros. ("Kircheis" Imported), 90 West, New York
Mueller H. Mfg. Co. (Plumbers'), Decatur, Ill. *See adv index at end of book*
Nason Mfg. Co., 71 Fulton, New York
See adv index at end of book
Niagara Machine & Tool Works (Tinners' Only), Buffalo, N. Y.
Osborne C. S. & Co. (Dressers), Box 183, Newark, N. J.
See adv index at end of book
Plomb Tool Mfg. Co., 2209 Santa Fe av, Los Angeles, Cal.
Sayer L. A. Co., 332 Mulberry, Newark, N. J.
Stortz J. & O. & Son, 210 Vine, Phila., Pa.
Van Doren Mfg. Co. ("Vandor"), Chicago Heights, Ill.
Williams, J. H. & Co. ("Vulcan" & "Agrippa," Drop Forged; "Falcon" Wrenches, "Vulcan" Vise Clamps, Vise Mount, "Falcon" Waste Plug Spanner), 400 Vulcan, Buffalo, N. Y.

Tools (Pneumatic)

See Pneumatic Tools

15767— Tools (Pump)

Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Myers F. E. & Bro., 950 4th, Ashland, O.
See adv index at end of book

15768—Tools (Pyrites Furnace Charging)

Pratt Engineering & Machine Co., Atlanta, Ga.

15769—Tools (Rail Bonding)

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Lord Mfg. Co. ("Lord" Tools, Soldering Torches, etc.), 105 W 40th, New York
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Ohio Brass Co., Mansfield, O.

15770—Tools (Railroad Track)

Beall Bros., Alton, Ill.
Buda Co., Harvey, Ill.
Chicago Pneumatic Tool Co., 6 E 44th, New York. *See adv index at end of book*
Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.
Fox Bros. & Co., 126 Lafayette, New York
Handlan-Buck Mfg. Co., 310-14 N 3d, St. Louis, Mo.
HUBBARD & CO., 63d & Butler, Pittsburgh, Pa.
Ingersoll-Rand Co. ("Imperial" Pneumatic Tie Tampers), 11 B'way, New York
See adv index at end of book
Iron City Tool Works, Ltd., 3201 Small-man, Pittsburgh, Pa.
Klein-Logan Co., 13th & Breed, Pitts-burgh, Pa.
Leetonia Tool Co The (Mine Tie Holders, etc.), Leetonia, O.
Manning Maxwell & Moore, Inc., 100 E 42nd, New York
See adv index at end of book
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Plumb Fayette R. (Inc.); 4837 James, Phila., Pa.
Railroad Supply Co., 203 S Dearborn, Chicago, Ill.
Stanley Rule & Level Plant (Atha Div.), New Britain, Conn.
Union Drop Forge Co., 353 W Grand av, Chicago, Ill.
Verona Tool Works, Plum, Pittsburgh, Pa.
Warren Tool & Forge Co. ("Quikwork," "Warren" Adzes, Chisels, Punches, Wrenches, Tongs, Forks, Spike, Pullers), 145 Griswold, Warren, Ohio
See adv index at end of book
Warwood Tool Co., 19th, Warwood, Wheeling, W. Va.
Western Tool & Forge Co., Brackenridge, Pa.
Williams J. H. & Co., 400 Vulcan, Buffalo, N. Y.

15771— Tools (Rivet)

California Tool Works, 181 Beale, San Francisco, Cal.
CLEVELAND STEEL TOOL CO. (Center-Cut, Side-Cut & Backing Out), 662 E 82d, Cleveland, Ohio
See adv index at end of book
Delaware Tool Co., 3300 Market, Wilming-ton, Del.
King Pneumatic Tool Co., 1734 Armitage av, Chicago, Ill.
See adv index at end of book

15772—Tools (Rock Drill Sharpening)

Ingersoll-Rand Co. (For Drill Steels), 11 B'way, New York
See adv index at end of book
Iron City Tool Works Ltd., 3201 Small-man, Pittsburgh, Pa.
Stanley Rule & Level Plant (Atha Div.), New Britain, Conn.

15773— Tools (Roofing)

Belden Machine Co., Tyron, New Haven, Conn.
Cardington Cabinet Co., Cardington, O.
Danzer Metal Works (Tinner's, etc), Ha-gerstown, Md.
Delphos Mfg. Co., 1st & Pierce, Del-phos, O.
Emrich Phil. ("Emrich"), 824 Main, Cincinnati, O.
Globe Iron Roofing & Corrugating Co., Dept. H, Newport, Ky.
Niagara Machine & Tool Works, Buffalo, N. Y.
Ohio Roofing Tool Co., Tiffin, O.

15573a— Tools (Saddlers)

Osborne C. S. & Co., Box 133, Newark, N. J. *See adv index at end of book*

15774— Tools (Sailmakers')

Humphrys', R. A. Sons, 1026 Callowhill, Phila., Pa.
See adv index at end of book
Stortz John & Son (Peggers & Bodkins, etc), 210 Vine, Phila., Pa.
U. S. Needle Concern, 912 W Madison, Chicago, Ill.

Tools (Saw)

See Specific Article Required

15775— Tools (Scraping)

Buffum Tool Co. (Bearing), South Side, Louisiana, Mo.
California Tool Works, 181 Beale, San Francisco, Cal.
Osborne C. S. & Co. (Scrapers, Carbon & Bearing), Box 133, Newark, N. J.
See adv index at end of book
STRONG MACHINERY & SUPPLY CO. (Hollow & Flat Ground for Scraping, Valves, Journals, Bearings, etc.), 292-4 Church, New York
See adv index at end of book
Van Doren Mfg. Co. ("Vandor"), Chicago Heights, Ill.
Vichek Tool Co. ("Vichek"), 3000 E 87th, Cleveland, O.

15776—Tools (Screw Machine)

Brown & Sharpe Mfg. Co., Providence, R. I.
Geometric Tool Co. ("Geometric," Screw Cutting), New Haven, Conn.
Ideal Foundry & Machinery Corp. ("Ideal"), Beaver Falls, Pa.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Scott Spencer Automatic Tool Co. (Automatic), 2632 Madison rd, Cincinnati, Ohio
Watson Mfg. Co. (Box Tools), Toledo, O.

15776a— *Tools (Shaper)

Springfield Machine Tool Co., Springfield, Ohio
Williams, J. H. & Co. ("Vulcan" & "Agrippa" Drop Forged), 400 Vulcan, Buffalo, N. Y.
Williams & Wells Co., 253 Fulton, New York. *See adv index at end of book*

Tools (Ship Carpenters')

See Adze Manufacturers; also Mallets; also Tools, Calking

15777—Tools (Shoemakers')

Champion Tool Co., Meadville, Pa.
Harrington Cutlery Co., Southbridge, Mass.
Harrington T. J., Southbridge, Mass.
Horn Wm. H. & Bro. ("Diamond," "Crown"), 451 N 2nd, Phila., Pa.
Hyde Mfg. Co., Southbridge, Mass.
Richard Stephen Co., Southbridge, Mass.
Snell & Atherton, Brockton, Mass.
Standard Shoe Machinery Co., Lawrence, Mass.
United Awl & Needle Co., West Medway, Mass.

15778—Tools (Slaters' & Shingle)

Ackerman & Johnson, Bangor, Pa.
Anderson, W. H., Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
Belden Machine Co., Tyron, New Haven, Conn.
Emrich Phil ("Emrich"), 824 Main, Cincinnati, O.
Logan Machine & Mfg. Co., 126 S Clinton, Chicago, Ill.
Niagara Machine & Tool Works, Buffalo, N. Y.
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans
Smith & Hemenway Co. ("Red Devil"), 261 Broadway, New York, & 130H Colt, Irvington, N. J.
See adv index at end of book
Stortz Jno. & Son (Hammers, Rippers, Stakes, etc), 210 Vine, Phila., Pa.

15778a— Tools (Special)

See also Dies, also Gauges, also Jigs & Fixtures

Advance Tool Co., Canal & Jackson, Cincinnati, O.
American Tool & Mach. Co., 10 High, Boston, Mass.
Ampco Twist Drill & Tool Co., 18th & Howard, Detroit, Mich.
Atcheson Tool & Die Co., Columbus, O.
Beard Machine Co. Inc., 350 Walton av, N. Y.
Boston Scale & Die Co., 100 Ruggles, Boston, Mass.
Braunschweiger Bros., Toledo, O.
Brehmer F. W. Machine & Tool Co., 815 B'way, Cincinnati, O.
Cannon T. J. & Sons Machine Co., Lynn, Mass.
Cincinnati Engineering Tool Co., Winton pl., Cincinnati, O.
Clark Equipment Co., Buchanan, Mich.
Clyne R. G. Engineering Co., 12th & Tyler, St. Louis, Mo.
Collis Co., Clinton, Iowa
COLUMBUS DIE TOOL & MACH. CO., 955 Cleveland av, Columbus, O.
Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
See adv index at end of book
Continental Tool Works (Reamers, Cutters, etc.), McGraw & 23rd, Detroit, Mich.
Detroit Reamer & Tool Co., 302 E Congress, Detroit, Mich.
Diamond Pointed Tool Co. (Shaped), 101 N Beekman, New York
Eagle Engineering Co., Springfield, O.
Excelsior Tool & Gauge Co., 1535 Temple av, Detroit, Mich.
Geometric Tool Co., New Haven, Conn.
GLEASON WORKS, 1000 University av, Rochester, N. Y.
See adv index at end of book
Glenzer J. C. Co. ("Utility"), 3H 14th, Detroit, Mich.
Gosa Brockman Co., 1019-25 W Schiller, Phila., Pa.
Hahn, Harry W., Mfg. Co., 629 S San Pedro, Los Angeles, Cal.
Hinsman Machine & Tool Co., Westfield, Mass.
Hoggson & Pettis Mfg. Co., 161 Brewery, New Haven, Conn.
Indianapolis Tool & Mfg. Co., Indianapolis, Ind.
Jackson & Biddle Tool Co., Elkhart, Ind.
Krebs Mfg. Co., 341 E Ohio, Chicago, Ill.
Liberty Tool & Machine Co., Dept. H, Derby, Conn.
Lindstrom Die, Tool & Gauge Wks., Bridgeport, Conn.
Lucas Machine Tool Co., 524 E 99th, Cleveland, O.
McCulloch Mfg. Co., 216H High, Boston, Mass.
Mehl Mach. Tool & Die Co., Roselle, N. J.
Milford Machine & Tool Co., H, New Haven av. Milford, Conn.
Monarch Tool & Mfg. Co., The, 122 Opera pl., Cincinnati, O.
Mueller Mach. Tool Co., 2427 Colerain, Cincinnati, O.
National Steel Products Co., Dayton, O.
Nat'l Tool Co., Cleveland, O.
See adv index at end of book
National Twist Drill & Tool Co., 6522 Brush, Detroit, Mich.
Nelson Tool Co., Inc., 781 E 142nd, New York
New Britain Tool & Mfg. Co., New Britain, Conn.
Newman Manufacturing Co., 542 W Jackson, Chicago, Ill.
Nielsen & Wilson Tool Co. (For Metal Stamping), Hartford, Conn.
North Side Tool Co., The, 17-19 Maryland av, Dayton, O.
Phillips F. & Son, 1336 Greenmount, Balti-more, Md.
S. P. Manufacturing Co., 872 E 72d, Cleveland, O.
Saal H. G. Co., 1300 Montrose av, Chi-cago, Ill.
Scandia Mfg. Co., 103 Mechanic, Newark, N. J.
Schroeder Bros. Mfg. Co., H, Brook, Torrington, Conn.
Smith R. G. Tool Mfg. Co., 249 N. J. R. R. av, Newark, N. J.
Spafford Tool Works, Hartford, Conn.
Springfield Tool Co., Second, Springfield, Mass.
Standard Die Stamping & Mfg. Co., Arrott Power bldg, Pittsburgh, Pa.
Star Bit & Tool Co., 1016 9th, Rockford, Ill.
Stierin Machine & Die Works, 625 W Jackson blvd., Chicago, Ill.
Storey T. W., 51 Union av, Portland, Ore.
Thurston Mfg. Co., 140 Benedict, Providence, R. I.
Trumbull F. S., 319 Mill Hill av, Bridgeport, Conn.
Weimann Bros. Mfg. Co., Derby, Conn.
West & Dodge Co., 37H Parkman, Bright District, Boston, Mass.
Windan Tool Co., 1565 E 17th, Cleveland, Ohio
Wright Traffic Signal Co., 344 W 6th, Cin-cinnati, O.

15778b— Tools (Tamping)

Hubbard & Co., 63d & Butler, Pittsburgh, Pa.

15779—Tools (Tanners' & Curriers')

Baker G. W. Machine Co., Wilmington, Del.
Emrich Phil ("Emrich"), 824 Main, Cincinnati, O.
Horn Wm. H. & Bros. ("Diamond," "Crown"), 451 N 3d, Phila., Pa.

15780—Tools (Thread Cutting)

See also Tools, Lathe & Planer

Armstrong Bros. Tool Co. ("Armstrong"), 339 N Francisco av, Chicago, Ill.
Butterfield & Co. ("Butterfield"), Derby Line, Vt.
Carpenter J. M. Tap & Die Co. ("Carpen-ter"), Pawtucket, R. I.
Conant & Donelson Co. ("Reliable" Screw Cutting), Conway, Mass.
Consolidated Mach. Tool Corp. of Amer., ("Self Opening & Solid Adjustable Die Heads), Rochester, N. Y.
See adv index at end of book
Greenfield Tap & Die Corp. ("G. T. D." Taps, Dies, etc.), Greenfield, Mass.
Hart Mfg. Co. ("Duplex"), Cleveland, O.
Landis Machine Co., Waynesboro, Pa.
National Tool Co., Cleveland, O.
See adv index at end of book
O. K. Tool Holder Co. ("O. K."), Shelton, Conn.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Ready Tool Co. ("Red-E"), Bridgeport, Conn
Rivett Lathe & Grinder Co., 2 Brooks, Brighton, Boston, Mass.
Rogers John M. Works ("McCanna's" Patent), Gloucester City, N. J.
Union Tool Co., Orange, Mass.
Van Doren Mfg. Co. ("Vandor"), Chicago Heights, Ill.
Walworth Mfg. Co., Boston, Mass.
Western Tool & Mfg. Co. (Spring & Solid Holder), Springfield, O.
Williams, J. H. & Co. ("Vulcan" & "Agrippa" Drop Forged), 400 Vulcan, Buffalo, N. Y.

15781— Tools (Toy)

Kingsbury Mfg. Co. (Small Garden Tools), Keene, N. H.
Mason & Parker Mfg. Co. (Small Garden Tools), Winchendon, Mass.
Wrightsville Hardware Co. (Penny Toys, Tools, etc), Wrightsville, Pa.

Tools (Track)

See Tools, Railroad Track

15781a— *Tools (Turning)

Diamond Pointed Tool Co. (Bortz), 101 E Beekman, New York
Lovejoy Tool Co., Inc. ("Lovejoy" Inserted Cutter Type), Springfield, Vt.
Williams J. H. & Co. ("Vulcan" & "Agrippa" Iron-Forged), 31 Richards, Brooklyn, N. Y.

15782— Tools (Turpentine)

California Tool Works, 181 Beale, San Francisco, Cal.
Warren Axe & Tool Co., Warren, Pa.

15783—Tools (Turret Lathe)

Cleveland Twist Drill Co., 1 E 49th, Cleveland, O.
See adv index at end of book
Millholland Sales & Eng'g Co., 1115 E 35th, Indianapolis, Ind.

15784—Tools (Underground Conduit Construction)

Barnard B. S. & Co., 31 Union sq, New York
Bissell F. Co., Toledo, O.
Cope T. J. ("Cope's"), 2112 Sansom, Phila., Pa.
Diamond Expansion Bolt Co., 89 West, New York *See adv index at end of book*
Meckel Fred T., 11 E 13th, Chicago, Ill.
Swett A. L. Iron Works, Medina, N. Y.

15784a— Tools (Upholsterers)

Osborne C. S. & Co., Box 183, Newark, N. J.
See adv index at end of book

15785—Tools (Valve Removing)

Buffum Tool Co. ("Swastika," "Peterson's"), South Side, Louisiana, Mo.
Chicago Tool & Kit Co., 160 Whiting, Chicago, Ill.
Fairmount Tool & Forging Co. ("Fairmount"), 10611 Quincy av, Cleveland, Ohio
Goodell-Pratt C., Greenfield, Mass.
Mapon Mfg. Co., 2931 Whittier blvd, Los Angeles, Cal.
Morgan Mfg. Co. ("Morgan"), Court, Keene, N. H.
New Favorite Mfg. Co., 183 W Maple, Columbus, O.
Republic Auto Parts Co. (For Ford Cars), 81 10th, Long Island City, N. Y.
Reynolds & Co., Real Estate Trust Bldg., Phila., Pa.
Syracuse Wrench Co., 352 W Fayette, Syracuse, N. Y.
Universal Equipment & Supply Co. ("Universal" Refaces), Universal bldg, Syracuse, N. Y.
Vichek Tool Co. ("Vichek"), 3000 E 87th, Cleveland, O.
Weeber C. F. Mfg. Co. ("Weeber," for Removing Valves from Gasoline Motors, also for Removing & Placing Tires on Side Ring on Autos), Albany, N. Y.

15786—Tools (Valve Reseating)

Abbott Hardware Co. ("Abbott"), 636 Columbus av, New York
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Frick & Lindsay Co., Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
G. B. Garage & Mfg. Co. ("G. B."), Hempstead, N. Y.
Powell Wm. Co. ("Powell"), 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Skinner M. B. Co. ("Skinner"), 562 W Washington, Chicago, Ill.
Universal Equipment & Supply Co., 107 N Franklin, Syracuse, N. Y.

15787— Tools (Watchmakers' & Jewelers')

Bullock Mfg. Associates, Springfield, Mass.
Coats Fred R., Springfield, Ill.
Danzis G., 47 Ann, New York
Derbyshire F. W. (Lathes, Chucks & Attachments), Waltham, Mass.
Dixon Wm. (Imp.), 119 Fulton, New York
Gesswein F. W. Co., 16 W 45th, New York
Gesswein Paul H. & Co. (Jobbers), 35 Maiden la, New York
Hardinge Bros., Inc., 1770 Berteau av, Chicago, Ill.
Job Frederick, Wilkes-Barre, Pa.
Kendrick-Davis Co., Lebanon, N. H.
Koch Alfred S. & Sons, Lancaster, Pa.
Langelier Mfg. Co., Arlington, Providence, R. I.
Moseley Lathe Co., Elgin, Ill.
Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.
Starrett L. S. Co., Athol, Mass.
Thurston Mfg. Co. ("Thurco"), 140 Benedict, Providence, R. I.
Van Doren Mfg. Co. ("Vandor"), Chicago Heights, Ill.
Worthington & Raymond (Imp.) ("Optimus," "W & R"), 71 Murray, New York

Tools (Well Drilling)

See Well Drilling Machinery

15788—Tools (Wire Splicing)

Smith Otis A. (For Splicing Wire Fence, Telephone Wire, etc), Rockfall, Conn.

15789—Tools (Wood Carving)

Braunsdorf-Mueller Co., Elizabeth, N. J.
Buck Bros., Millbury, Mass.
Cassell Fred, Grand Rapids, Mich.
Mack & Co. ("D. R. Barton," "Addis" Style), Rochester, N. Y.
Millers Falls Co. ("Millers Falls"), Dept. H, Millers Falls, Mass.
Porter C. O. Machy Co., 666 Front av, N., Grand Rapids, Michigan.

15790—Tools (Wood Turning)

Buck Bros., Millbury, Mass.
Carroll Jamieson Mach. Tool Co., Batavia, Ohio
Oliver Machinery Co. (For Pattern Work), Grand Rapids, Mich.
Swan Jas. Co. (Parting), Seymour, Conn.

Tools (Woodworkers')

See Specific Article Required

15791— Tools (Yarning)

See also Tools, Calking

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Mueller H. Mfg. Co., Decatur, Ill.
See adv index at end of book
Plomb Tool Mfg. Co. (Irons), 2209 Santa Fe av, Los Angeles, Cal.
Van Doren Mfg. Co. ("Vandor"), Chicago Heights, Ill.

15791a— Tooth Paste

Colgate & Co,, 105 Hudson, Jersey City, N. J.
Johnson & Johnson, New Brunswick, N. J.
Lehn & Fink ("Pebeco"), 635 Greenwich, New York
McKesson & Robbins ("Calox" Powder), 91 Fulton, New York.
White S. S. Dental Mfg. Co., 12th & Chestnut, Phila., Pa

15792— Tooth Pick Mfrs.

Berst Mfg. Co., Saginaw, Mich.
BOGERT & HOPPER, INC., 57 Barclay, New York. *See adv index at end of book*
CUTTER-TOWER CO. INC. (Wood & quill), 405H Lexington av, New York.
Estes E. B. & Sons ("Wood Alpine," "Grand Prize"), 364 5th av, New York
See adv index at end of book

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Forster Mfg. Co., Dixfield, Me.
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Hale-Boardman John M., Inc., 120 Liberty, New York
Minto Tooth Pick & Specialty Co., Dept. H, Mayville, Mich.
Perfection Mfg. Co., River Rouge, Mich.
Stiles H. A. & Co. ("Puritan Brand," "White Ivory Brand"), 166-174 Portland, Boston, Mass.
See adv index at end of book

15793—Tops (Automobile & Vehicle)

A. & E. Auto Top Co., Ypsilanti, Mich.
Acme Auto Top Co., 1421 Irving, Washington, D. C.
American Auto Top Mfg. Co., 1451 Washington blvd, Chicago, Ill.
American Top Co., Jackson, Mich.
Amesbury Top Co., Amesbury, Mass.
Anchor Top & Buggy Co., C., H. & D. Ry nr Gest, Cincinnati, O.
Armstrong-Johnston Mfg. Co. (Auto Truck Tops), Columbus, O.
Aronoff Jos J., Trenton, N. J.
Atlanta Auto Top & Trimming Co., 155 Edgeworth av, Atlanta, Ga.
Auto Cape Top Co., 2334 S Michigan av, Chicago, Ill.
Auto Top Mfg. Co., 425 Golden Gate av, San Francisco, Cal.
Automobile Equipment Co., 330 E Congress, Detroit, Mich.
Baltimore Buggy Top Co., Dept. H, Dept. H, Guilford av & Chase, Baltimore, Md.
Bauer Bros. Mfg. Co., Richmond & Carr, Cincinnati, O.
Bliss C. P. Auto Top Co., 1351 Court pl, Denver, Col.
Bohnet Jno. & Co., Lansing, Mich.
Boston Auto Top Co., 100 Massachusetts av, Boston, Mass.
Brunn & Co., 988 Ellicott, Buffalo, N. Y.
Buob & Scheu 216 Webster, Cincinnati, O.
California Auto Top Co., 1019 Van Ness, San Francisco, Cal.
Chanslor & Lyon Co., 730 Polk, San Francisco, Cal.
Christie Alex. & Co., Seattle, Wash.
Cincinnati Auto Specialty Co., 312 Main, Cincinnati, O.
Cleveland Auto Top & Trimming Co., 2084 E 22d, Cleveland, O.
Clifton Mfg. Co., Waco, Tex.
Copp Geo. W., Inc., 557 W 54th, New York
Crawford Mfg. Co., H, Decatur, Richmond, Va.
Cretors J. B., St. Paris, O.
Detroit Weatherproof Body Co., Pontiac, Mich.
Dunham D. B. & Son, Newark, N. J.
Dunham Thomas Co., Dept. H, Aurora, Ill.
DU PONT, E. I. DE NEMOURS & CO., INC., Fabrikoid Div. ("Pontop"), Newburgh, N. Y.
See adv index at end of book
Faeth Iron Co. (Vehicle Only), 1125 N 8th, Kansas City, Mo.
Fisher Auto Top Co., Norwalk, O.
Gates Mfg. Co., 835 N Meridian, Indianapolis, Ind.
Gobel Konrad, 325 21st, Oakland, Cal.
Goshen Buggy Top Co., Goshen, Ind.
Haskelite Mfg. Corp., Chamber of Commerce bldg, Chicago, Ill.
Herrity Edward A. Co., Stamford, Conn.
Hughes & Curran Co., Inc., Rochester, N. Y.
Kimball C. P. & Co., 3900 S Michigan av, Chicago, Ill.
Kreidler Auto Top Co., Trenton, N. J.
Kroh C. Z. Mfg. Co., Toledo, O.
La Roche Jos. P., 5918 S Ashland av, Chicago, Ill.
Liberty Auto Co., 1750 E 12th, Oakland, Cal.
Lincoln Auto Top Co., Lincoln, Neb.
Luth Carriage Co., 1275 Budd, Cincinnati O.
McKinney Jas. & Son (Steel), Albany, N.Y.
Martin Auto Specialty Co. ("Martin"), Lancaster, Ohio
Masland Duraleather Co. (The), Amber & Westmoreland, Philadelphia, Pa.
See adv index at end of book
Meister A. & Sons Co., Woodland, Cal.
Meyer C. G. & Son, Tiffin, O.
Mobile Top Co., 16 Seldon, Detroit, Mich.
National Auto Top Mfg. Co., 3900 Moneta av, Los Angeles, Cal.
Northwest Auto Top Works, 2357 S G, Tacoma, Wash.
Ohio Top Co., 905 B'way, Cincinnati, O.
Omaha Auto Top Co., Omaha, Nebr.
Racine Generals Mfg. Co. (Jobbers), Racine, Wis.
Reading Rubber Mfg. Co., Reading, Mass.
Reardon J. J., Amesbury, Mass.
Richards Albert J., 632 W Jefferson, Louisville, Ky.
Roth Cadillac Co., Erie, Pa.
Samson Auto Top & Equipment Co., 35 Portland, Providence, R. I.
Shugers Mfg. Co., Los Angeles, Cal.
Smith H. Lund, Paterson, N. J.
Springfield Body Co., Circuit av W S, Springfield, Mass.
Standard Top & Equipment Co., 1849 E 65th, Cleveland, O.
Sterling Top & Equipment Co., 518 W 57th, New York
Sutorius Auto Top Co., 631 3d av, Minneapolis, Minn.
Teel Eldridge & Co., Medford, Mass.
Thomas Auto Top Co., Muncie, Ind.
Troy Carriage Sun Shade Co., Troy, O.
Vehicle Top & Supply Co., 3414 Lindell av, St. Louis, Mo.
Wadman C. G., Bakersfield, Cal.
Wadsworth Mfg. Co., 155 W Congress, Detroit, Mich.
Wallis Coach & Carriage Co., 3338 University av S E, Minneapolis, Minn.
Weiss Charles & Son, 4715 Cottage Grove av, Chicago, Ill.
Western Auto Top Co., Omaha, Nebr.

15793a— *Tops (Bird Cage)

Bogert & Hopper Inc. (Wood), 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

15794—Tops (Blast Furnace)

Brighton Fire Brick Co., New Brighton, Pa.
Weimer Machine Works Co., Lebanon, Pa.

15795— Tops (Cistern)

Treaty Co., Greenville, O.
Wagner Mfg. Co., Cedar Falls, Ia.

15795a— Tops (Cork)

BOGERT & HOPPER INC. (Ink, Shoe Dressing, etc), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Redlich Mfg. Co. (also Wooden), 637-647 W Oak, Chicago, Ill.

15796— Tops (Furniture)

Alberene Stone Co. (Tops for Laboratory Tables), 153 W 23d, New York
Bartlestone Bros. (Glass), 4179 3d av, New York
Chicago Mirror & Art Glass Co., 216 N Clinton, Chicago, Ill.
Continental Fibre Co. ("Bakelite Delecto" Desk), Newark, Del.
Donnelly-Kelley Glass Co., Holland, Mich.
Enamel Products Co. (Enameled Table Tops), Eddy rd & Taft av, Cleveland, Ohio
Epstein Samuel (Inc.), (Glass), 130 W 3d av, New York
Fair Haven Marble & Marbleized Slate Co. (Marble), Fair Haven, Vt.
Feinberg & Feinberg (Glass), 433 W 42d, New York
Ingram-Richardson Mfg. Co. (Porcelain Enameled For Kitchen Cabinets & Table, "Porcelion"), Beaver Falls, Pa.
See adv index at end of book
Klaber A. & Sons (Glass), Long Island City, N. Y.
Lafayette Mirror Co. (Glass), 173 Grand, New York
Naughton Marble Co. (Laboratory Table Tops), 64 W Grand, Chicago, Ill.
Plastone Co. (Table), Los Angeles, Cal.
Porcelain Enamel & Mfg. Co. ("Pemco" Porcelain Enamel Table), 8th & O'Donnell, Baltimore, Md.
Rawle M. Co., Inc. (Glass), 210 W 65th, New York
Structural Stone Co., Hubbard, Ohio
Townsend Wm. C. & Co. (Marble), Zanes- ville, O.
Vitreous Enameling Corporation, 6800 Grant av, Cleveland, O.
See adv index at end of book
Vitreous Steel Products Corporation, 6800 Grant av, Cleveland, Ohio

15797—Tops (Hot Air Furnace)

Steele Wilbur S. Co. ("Peerless"), 113 S Main W H, Hartford, Conn.

15798—Tops (Molasses Jug)

Ohio Lantern Co. (Tin & Nickel Plated), Tiffin, O.

15799— Tops (Pilot House)

Porter Co., 241 Water, New York

15800— Tops (Pole)

(For Arc Lamps & Electric Railway Poles)

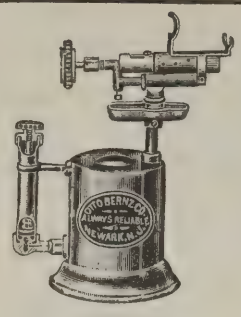
Cutter Geo. Co. (Arc Lamp), South Bend, Ind.
Electric Railway Equipment Co., Cincin- nati, Ohio
Fletcher Mfg. Co., Dayton, O.
Line Material Co. (Arc Lamp), S Milwau- kee, Wis.

15801— Tops (Spinning)

BOGERT & HOPPER INC. (Wooden), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Townsend Co. (Points), New Brighton, Pa.
See adv index at end of book

15801a— Tops (Table)

Alberne Stone, 153 W 23d, New York
Crysteel Works, of Benjamin Electric Mfg. Co. (Also "Crysteel Wallfold" Porcelain Tops), 847 W Jackson blvd, Chicago, Ill.
Himmelberger-Harrison Lumber Co., Dept. H, Cape Giradeau, Mo.
INGRAM-RICHARDSON MFG. CO. ("Porcelliron" & Kitchen Cabinets), Beaver Falls, Pa. *See adv index at end of book*
Marietta Mfg. Co. (Glass), Dept. H, 16th & Sherman, Indianapolis, Ind.
Natural Slate Blackboard Co., 101 Marietta, Pen Argyl, Pa. (With Structural Slate Co., Pen Argyl.)
See adv index at end of book
Pennsylvania Structural Slate Co., Easton, Pa.



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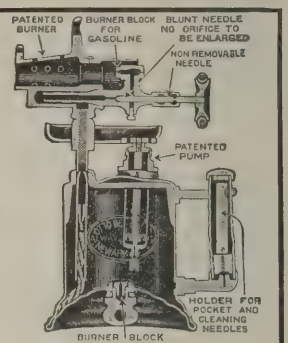
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Structural Stone Co. ("Mar-Sla" Case Hardened Stone), Hubbard, Ohio
Vitreous Steel Products Corporation ("Vitreo" White Porcelain), 6800 Grant av, Cleveland, Ohio
Vitrolite Co., Chamber of Commerce, Chicago, Ill.

15802— Tops (Tin, Screw)

Deverall Perfection Mfg. Co., Caton av, Brooklyn, N. Y.
Fidelity Can Co., 600 S Caroline, Baltimore, Md.
Ohio Lantern Co. (Sugar Shaker, Salt & Pepper, etc, Nickel Plated), Tiffin, O.
Wheeling Stamping Co. (Also Aluminum Brass, etc), Wheeling, W. Va.

15802a— Torches (Acetylene Blow)

PREST-O-LITE CO., INC., THE, 30 E 42d, New York
See adv index at end of book

15803— Torches (Alcohol)

See also Furnaces, Gasoline Blast

Ashton Mfg. Co. ("Red Hot"), 134 Emmet, Newark, O.
BERNZ CO., INC., OTTO, 17 Ashland St., Newark, N. J.
See adv index at end of book
Carleton Co. (Blow, "Spartan"), 27 Coml. av, Boston, Mass.
Clayton & Lambert Mfg. Co., 10579 Knodell av, Detroit, Mich.
Detroit Torch & Mfg. Co., 12057 Cardoni av, Detroit, Mich.
Glogau & Co., Great Lakes bldg, Chicago, Ill.
Knapp Mfg. & Supply Co. (Self-Acting), 241 Water, New York
Peerblow Mfg. Co. ("Duplex"), Leetsdale, Pa.
Roberts H. C. Electric Supply Co., 11th & Race, Phila., Pa.
Turner Brass Works ("Master Line"), Sycamore, Ill.

15804— Torches (Brazing)

See also Blow Pipes & Brazing Apparatus

Anthony Co. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.
BASTIAN-BLESSING CO., 240 E Ontario, Chicago, Ill.
See adv index at end of book
BERNZ CO., INC., OTTO, 17 Ashland St., Newark, N. J.
See adv index at end of book
Clayton & Lambert Mfg. Co., 1370-80 Beaubien, Detroit, Mich.
Detroit Torch & Mfg. Co., 12057 Cardoni av, Detroit, Mich.
HAUCK MFG. CO., 136 10th, Brooklyn, N. Y. *See adv index at end of book*
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
NATIONAL WELDING EQUIPMENT CO., 223 Main, San Francisco, Cal.
See adv index at end of book
PREST-O-LITE CO., INC., THE, (Acetylene), 30 E 42d, New York
Weldcraft Equipment Co., 2501 Penn av, Pittsburgh, Pa.

15805—Torches (Campaign)

Smith of N. Y. Co., 1 Franklin sq., New York

15806—Torches (Car Inspectors')

GEM MFG. CO. ("Gem"), Goebel nr Fulton, N S, Pittsburgh, Pa.
See adv index at end of book

15807— Torches (Cast Iron)

Forest City Foundry & Mfg. Co., 1220 Maide av, Cleveland, Ohio

15807a—Torches (Cupola Lighting)

Anthony Co. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.
HAUCK MFG. CO., 136 10th, Brooklyn, N. Y.
See adv index at end of book
MACLEOD CO., 2227 Bogen, Cincinnati, O. *See adv index at end of book*

15808— Torches (Electric)

Bogart A. L. Co., 56 Park pl, New York

15809—*Torches (Engineers')

See also Torches, Hand

Garrett, W. D. & Co., 118 E 28th, New York
GEM MANUFACTURING CO. ("Gem" Welded Steel), Goebel nr Fulton, Pittsburgh, Pa.
See adv index at end of book

15810—Torches (Factory & Mine)

American Stove Co. ("Reliable" Oil & Vapor), 827 Chouteau, St. Louis, Mo. Cleveland, O.
GEM MFG. CO. ("Gem," "Pyramid" Heavy Brazed Steel), Goebel nr Fulton N S, Pittsburgh, Pa.
See adv index at end of book
Hauck Mfg. Co., 101 11th, Brooklyn, N. Y.
See adv index at end of book
Turner Brass Works, Sycamore, Ill.
Wall P. Mfg. Supply Co. (Brazed Steel), 705 Preble av N S, Pittsburgh, Pa.

15810a—Torches (Gas Blow)

Everhot Mfg. Co., 619 S 10th av, Maywood, Ill.
MacLeod Co., 2227 Bogen Cincinnati, O.
See adv index at end of book
North American Mfg. Co., 8909 Fredick av, Cleveland, O.
Weldcraft Equipment Co., 2501 Penn av, Pittsburgh, Pa.

15810b—Torches (Gas, Electric, Blow)

Adroit Tool Co., 14 Front, New York
Anthony Co. ("Anthony," "Nebuylte"), 138H West av, Long Island City, N. Y.
North American Mfg. Co. ("North American," "Flameblast"), 8908 Fredick av, Cleveland, O.

15811—Torches (Gas Lighting)

Houchin, Thos. W. Co., 393 Broadway, New York

15812—Torches (Gasoline Blow)

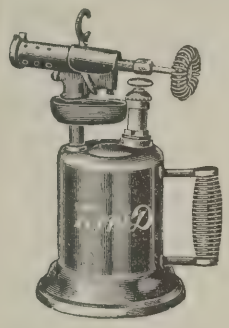
See also Furnaces, Gasoline Blast

Allen L. B., Inc., 4519 N Lincoln, Chicago, Ill.
American Stove Co. ("Reliable," "Dang- ler," "Quick Meal," "Jewell"), 827 Chouteau av, St. Louis, Mo
Anthony Co. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.
Ashton Mfg. Co. ("Red Hot"), 134 Emmet, Newark, N. J.
Baker J. R. & Sons Co., Kendallville, Ind.
BERNZ CO., INC., OTTO, 17 Ashland St., Newark, N. J.
See adv index at end of book
Best Light Co., 477 2d N E, Canton, O.
Boekel Wm. & Co., 518 Vine, Phila., Pa.
Carleton Co. ("Imp"), 27 Coml. av, Boston, Mass.
Clayton & Lambert Mfg Co. (Laboratory & Wall), 10565 Knodell av, Detroit, Mich.
Decker Mfg. Co ("Phoenix"), 251 Elm, Newark, N. J.
Detroit Torch & Mfg. Co., 12057 Cardoni av, Detroit, Mich.

DIENER GEO. W. MFG. CO., 400 Monticello av, Chicago, Ill.

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Geforer C. & Son, 1017 Ridge, Phila., Pa.
Globe Gas Light Co. ("Barthel"), 25 Union, Boston, Mass.
Hauck Mfg. Co., 136 10th, Brooklyn, N. Y.
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Lenk Mfg. Co. (Automatic), 34 Portland, Boston, Mass.
McGill Mfg. Co. ("McGill's Baby" Pumpless), 77 Oak, Valparaiso, Ind.
MacLeod Co. ("Buckeye"), 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Quadriga Mfg. Co. ("Walters"), 213 W Grand av, Chicago, Ill.
See adv index at end of book
Ridgely Trimmer Co., Springfield, O.
Smith of N. Y. Co. (Plumbers'), 1 Franklin, New York
Sun Vapor & Gas Street Light Co., Canton, O.
Turner Brass Works ("Hot Blast," "Bull Dog," "Franklin," "Kinzle," "Jewell," "Mogul," "Old Reliable," "Champion," "Double Jet"), Sycamore, Ill.
Wall P. Mfg. Supply Co. (Dreadnaught Gasoline Torch), 705 Preble av, Pittsburgh, Pa.

15813— Torches (Hand)

Anthony Co. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.
Ashton Mfg. Co., 184 Emmett, Newark, N. J.
BERNZ CO., INC., OTTO, 17 Ashland St., Newark, N. J.
See adv index at end of book
Dayton Malleable Iron Co. (Made Entirely of Malleable Iron), Dayton, O.
Detroit Torch & Mfg. Co., 12057 Cardoni av, Detroit, Mich.
Deverall Perfection Mfg. Co., Caton av, Brooklyn, N. Y.
Dressel Railway Lamp Works (Engineers' Track, Wipers', Boilermakers', Car Inspectors, etc), 3860 Park av, New York
Eagle Mfg. Co. (Locomotive, etc), Wellsburg, W. Va.
Garrett, W. D. & Co. (Carmen's & Locomotive Engineers'), 118 E 28th, New York
Gem Manufacturing Co. ("Gem" Heavy Welded Steel), Goebel nr Fulton, Pittsburgh, Pa.
See adv index at end of book
Gray Peter & Sons, 286 Third East, Cambridge, Mass.
HAUCK MFG. CO., 136 10th, Brooklyn, N. Y. *See adv index at end of book*
Johnson Mfg. Co. (Locomotive, etc), Urbana, O.
Knapp Mfg. & Supply Co. (Locomotive, etc), 241 Water, New York
Lenk Mfg. Co. (Automatic), 34 Portland, Boston, Mass.
Mahr Mfg. Co., 1300 N E Quincy, Minneapolis, Minn.
Noera Mfg. Co. (Inspectors' & Locomotive), Waterbury, Conn.
Wall P. Mfg. Supply Co. (Brazed Steel, Pyramid Chain, Top Burner & Factory), 705 Preble av, Pittsburgh, Pa.
Walters Mfg. Co. ("M. & I." Sheet & Brazed Steel), Fulton bldg, Pittsburgh, Pa.
Weldcraft Equipment Co., 2501 Penn av, Pittsburgh, Pa.

15814—Torches (Kerosene Blow)

Anthony Co. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.
Ashton Mfg. Co., 184 Emmet, Newark, N. J.
BERNZ CO., INC., OTTO, 17 Ashland St., Newark, N. J.
See adv index at end of book
Clayton & Lambert Mfg Co., 10565 Knodell av, Detroit, Mich.
Detroit Torch & Mfg. Co., 12057 Cardoni av, Detroit, Mich.
Globe Gas Light Co. ("Barthel"), 25 Union, Boston, Mass.
Hauck Mfg. Co., 136 10th, Brooklyn, N. Y.
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136 10th STREET BROOKLYN, N. Y.

MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
North American Mfg. Co., 3903 Fredick av, Cleveland, O.
Otto William G. Metal Goods Corp. ("Rhotal"), 401 St. Paul av, Jersey City, N. J.
St. Paul Welding Mfg. Co., 173 W 3rd, St. Paul, Minn.
Turner Brass Works ("Hot Blast," "Double Jet"), Sycamore, Ill.
Walters Mfg. Co., Fulton bldg, Pittsburgh, Pa.
Weldcraft Equipment Co., 2501 Penn av, Pittsburgh, Pa.

15814a— Torches (Lead Burner)

Anthony Co. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.
Bastian-Blessing Co., 240 E Ontario, Chicago, Ill.
See adv index at end of book
MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Turner Brass Works ("Turner"), Sycamore, Ill.

15815— *Torches (Locomotive)

See also Torches, Hand

Garrett, W. D. & Co., 118 E 28th, New York
GEM MANUFACTURING CO. ("Gem" Heavy Welded Steel), Goebel nr Fulton, Pittsburgh, Pa.
See adv index at end of book

15816—Torches (Malleable Iron)

Art Lamp Mfg. Co. (Wrought), 1433 S Wabash av, Chicago, Ill.
Dayton Malleable Iron Co., Dayton, O.
Huebel Mfg. Co., 103 Monroe, Newark, N. J.

15816a— Torches (Marine)

Naval Co. ("Bridger"), Roslyn, Pa.

15816b— Torches (Oil)

ANTHONY CO. ("Anthony," "Nebulyte"), 138H West av, Long Island City, N. Y.
BERNZ CO., INC., OTTO, 17 Ashland St., Newark, N. J.
See adv index at end of book
Hauck Mfg. Co. (Crude), 136 10th, Brooklyn, N. Y. *See adv index at end of book*
Weldcraft Equipment Co., 2501 Penn av, Pittsburgh, Pa.

15816c— Torches (Oil, Electric, Blow)

Naab Manufacturing Co., 5904 Carnegie av, Cleveland, O.
North American Mfg. Co., 3903 Fredick av, Cleveland, O.

Torches (Paint Burner)

See Torches (Acetylene Blow); Torches (Gasoline Blow); Torches (Kerosene Blow)

15816d— Torches (Soldering)

PREST-O-LITE Co., INC., THE (Acetylene), 30 E 42d, New York
See adv index at end of book

15816e— *Torches (Thawing)

BERNZ CO., INC., OTTO, 17 Ashland St., Newark, N. J.
See adv index at end of book
Hauck Mfg. Co., 136 10th, Brooklyn, N. Y.
See adv index at end of book

HAUCK TRADE MARK

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HAUCK MANUFACTURING COMPANY
136 10th STREET BROOKLYN, N. Y.

15817— Torches (Wall)

Ashton Mfg. Co. ("Red Hot" Gasoline), 184 Emmet, Newark, N. J.
BERNZ CO., INC., OTTO, 17 Ashland St., Newark, N. J.
See adv index at end of book
Clayton & Lambert Mfg. Co. (Or Banjo, Gasoline, Illuminating), 1370-80 Beaubeen av, E. Detroit, Mich.
Detroit Foundry Co. ("Sun"), 1 E. Gd. Bvd. & Propelli.
Detroit Torch & Mfg. Co., 12057 Cardoni av, Detroit, Mich.

15817a— Torches (Welding & Cutting, Oxy-Acetylene)

OXWELD ACETYLENE CO., 30 E 42nd, New York
See adv index at end of book

15818— Torpedoes

Am. Glycerin Co. (Oil & Gas Well), Dept. H, Wilmington, Del.
Backes M. Sons, Wallingford, Conn.
Clarendon Torpedo Co., Titusville, Pa.
Hall's Ellis Sons Co., Oil City, Pa.
Hunt Edmund S. & Sons Co., Weymouth, Mass
Kohler Die & Specialty Co., De Kalb, Ill.
Marietta Torpedo Co. (Nitro-Glycerine, for Shooting Oil, Gas & Water Wells), Marietta, O.
Ohio Torpedo Co. (Nitro-Glycerine, For Shooting Oil Wells, etc), Steubensville, O.
Producers Torpedo Co., Marietta, O.
Southern Torpedo Co., Parkersburg, W. Va.

15820— Torpedoes (Toy)

Backes M. Sons, Wallingford, Conn.
Hunt Edmund S. & Sons Co., Weymouth, Mass.
Kohler Die & Specialty Co., De Kalb, Ill.

15821—Torpedoes & Fuses (Railway Signal)

Jackson's Sam'l Sons, 1129 S 15th, Phila., Pa.
Sherburne & Co., 53 Oliver, Boston, Mass.
Townsend Co. (Points), New Brighton, Pa.
See adv index at end of book

15821a— Tourills (Acid Proof)

General Ceramics Co., 50 Church, New York.
Knight Maurice A., Akron, O.

15822— Tow

AMERICAN FOREST PRODUCTS CO., 24th & Race, Philadelphia, Pa.
See adv index at end of book
Amerlin Co. (Flax) Yale, Mich.
ATLANTIC EXCELSIOR MFG. CO., 507-509 W 30th, New York
See adv index at end of book
Boston Excelsior Co., 562 W. 29th, New York
Fairwater Hemp Co., Fairwater, Wis.
Gay David S. (Rough & Dressed), Winchester, Ky.
Minneapolis Mfg. Co. (Flax), 5th av S E & E Hennepin, Minneapolis, Minn.
Minnesota Fibre Co. (Flax), Heron Lake, Minn.
Northern Insulating Co. ("Quality Tow for Upholstery), St. Paul, Minn.
Philadelphia Excelsior Co., 716 N 3d, Phila., Pa.
Robinson & Jans (Flax), Winthrop, Minn.
SELLE H. W. & CO., 1012 N Halsted, Chicago, Ill.
See adv index at end of book
Spears E. F. & Sons (Rough, Dressed & Carded), Paris, Ky.
Whitney H. W. (Excelsior), 305 S La Salle, Chicago, Ill.

Paper Towels and Drinking Cups

We specialize on the requirements of manufacturers for Sanitary Paper Specialties, Paper Drinking Cups, Paper Towels and Toilet Paper.

GET OUR SAMPLES AND QUOTATIONS

The Union Paper & Twine Co., 128 St. Clair Ave., N. W., Cleveland

15822a—Tow Lines (Automobile)

American Steel & Wire Co., 208 S La Salle, Chicago, Ill. *See adv index at end of book*
Macwhyte Co. ("Macwhyte"), Kenosha, Wis.
Russell Mfg. Co. ("Rusco"), Middletown, Conn.
Wickwire Spencer Steel Corp. ("Excelsior"), 41 E 42nd, New York
See adv index at end of book

15823— Towel Bars & Shelves (Plate Glass)

Anderson Geo. H. & Co., 1467 W Austin av, Chicago, Ill.
BAKER S. D. MFG. CO. ("Samsonchina"), 234 W 14th, New York
Central Specialty Mfg. Co., 404 S Kulman av, Chicago, Ill.
Eustes J. P. Mfg. Co. ("Brasscrafters"), Cambridge, Mass.
Graham & Berwin, 451 Greenwich, New York

15824— Towels (Cotton)

Am. Mills Co., 172H Marietta, Atlanta, Ga.
Avon Mills Co., Lewiston, Me.
California Cotton Mills Co., Oakland, Cal.
Cannon Mfg. Co., Concord, N. C.
Cash J. & J. (Ltd.) (Bath), So. Norwalk, Conn.
Cedar Grove Mfg. Co. (Sponge Cloth), 65th av & 21st, Phila., Pa.
Chautauqua Towel Mills, Jamestown, N. Y.
Cochran Cotton Mills Co. (Also Toweling), Cochran, Ga.
Franklin Mills Corp. (Plain & Hemstitched), Unionville, Mass.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Globe Mfg. Co. (Toweling), Gaffney, S. C.
Gordon Supply Co., 537 Albany, Boston, Mass.
Irene Mills (Jacquard), Gaffney, S. C.
Kincaid Mfg. Co., Griffin, Ga.
Lowell Textile Co., No. Chelmsford, Mass.
McArthur Geo. & Son (Crash), Baraboo, Wis.
Muscogee Mfg. Co., Columbus, Ga.
Pepperton Cotton Mills (Also Towelling), Jackson, Ga.
Piedmont Cotton Mills Co., Egan, Ga.
Renfrew Mfg. Co., Adams, Mass.
Roanoke Mills Co., Roanoke Rapids, N. C.
Spencer Mountain Mills (Bleached Damask), Lowell, N. C.
Ufford Frank M. (Bath Towels & Toweling), Norwich, Conn.
Union Cotton Mills, Lafayette, Ga.
Woodstock Cotton Mills, Anniston, Ala.

15825— Towels (Crash)

California Cotton Mills Co., Kennedy & R. R. av, Oakland, Cal.
Dundee Mills (Linen), Hookset, N. H.
Franklin Mills Corp., Unionville, Mass.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Globe Mfg. Co. (Toweling), Gaffney, S. C.
Kincaid Mfg. Co., Griffin, Ga.
Lowell Textile Co., No. Chelmsford, Mass.
McArthur Geo. & Son (Cotton & Linen), Baraboo, Wis.
Meredith Linen Mills (Linen Crash Toweling), 79 N Milk, Boston, Mass.
Millbrook Linen Works, Inc. (Linen Crash Toweling), Millbury, Mass.

15826— Towels (Huck)

Chautauqua Towel Mills (Cotton), Jamestown, N. Y.
Lowell Textile Co. (Union), No. Chelmsford, Mass.
Niagara Textile Co. (Also Toweling), Lockport, N. Y.

15827— Towels (Knitted)

San-Knit-ary Textile Mills, 10th & Diamond, Philadelphia, Pa.

15828— Towels (Linen)

Avon Mills Co., Lewiston, Me.
Cannon Mfg. Co., Concord, N. C.
Dundee Mills, Hookset, N. H.
Franklin Mills Corp. (Plain Hem & Hemstitched), Unionville, Mass.
Granite Linen Co., Wortendyke, N. J.
Lowell Textile Co., No. Chelmsford, Mass.
McArthur Geo. & Son (Crash), Baraboo, Wis.
Meredith Linen Mills (Linen Crash Toweling), 79 Milk, Boston, Mass.
Millbrook Linen Works, Inc. (Crash Toweling), Millbury, Mass.
Stevens Linen Works (Linen Crash Toweling), Webster, Mass.

15828a— *Towels (Machinery)

OIL & WASTE SAVING MACHINE CO. Real Estate Trust Bldg, Philadelphia, Pa. *See adv index at end of book*

Oil & Waste Saving Machine Co.
PHILADELPHIA, PA.
Oil Reclaiming Machines
Waste Reclaiming Machines
Machine Towels, Chip Separators and Oil Filters

Vestal Chemical Co. (Public Service Dirs.), 1128 Pine, St. Louis, Mo.

15829— Towels (Paper)

A. P. W. Paper Co., Albany, N. Y.
Baum Bros., Denver, Col.
Brown Co. ("Nibroc" Kraft), Fidelity bldg, Portland, Me.
Burnitol Mfg. Co., Orient av, Everett Sta., Boston, Mass.
Clifton Chemical Co., 246 Front, New York
Continental Paper & Bag Mills, 1 Pershing sq, New York
Cremoline Disinfecting Co., 121 S Main, St. Louis, Mo.
Hollingsworth & Vose Co. ("Norfolk"), 333 Washington, Boston, Mass.
National Paper Products Co. ("Public Service" & "Crinket" for Household), 528 Battery, San Francisco, Cal.
See adv index at end of book

PUBLIC SERVICE Paper Towels

A strong fibre, smooth, soft finished paper towel for office buildings, theatres, medical or dental offices and schools.

"A clean towel for every pair of hands"

Sop-O-zoN Liquid Soap

A high grade cleanser. 500 to 600 washes in twelve ounce dispenser.

(See "Soaps)

National Paper Products Company
San Francisco, Stockton, Los Angeles, California
Carthage, N.Y. — New York City

Northern Paper Mills, Green Bay, Wis.
Peerless Mfg. Co., Norristown, Pa.
Premier Paper Co., 105 Hudson, New York
Pick Albert & Co., 212 W Randolph, Chicago, Ill.
Sanitary Products Co., 2710 Lefevre, Philadelphia, Pa.
Stone & Forsyth Co., 67 Kingston, Baston, Mass.
Tuttle Press Co. ("Dr. Whedon's" Sanitary), Appleton, Wis.
UNION PAPER & TWINE CO. ("Driquick"), 126 St. Clair av, N. W., Cleveland, O. & 528 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book
United States Paper Mills, Chambersburg, Pa.
Vestal Liquid Soap & Disinfectant Co. (Public Service) 1121 Pine, St. Louis, Mo.
WEST DISINFECTING CO. ("Westowl"), 411 5th av, New York
See adv index at end of book

PAPER TOWELS

WEST DISINFECTING COMPANY
Home Office: 411 5th Ave., New York
Branches in Principal cities

Wortendyke Mfg. Co., ft 13th, Richmond, Va.

15830— Towels (Turkish)

Blair Mills, Belton, S. C.
California Cotton Mills Co., Kennedy & R. R. av, Oakland, Cal.
Chatauqua Towel Mills, Jamestown, N. Y.
Colonial Towel Mfg. Co., Clifton Heights, Pa.
Falconer Towel Mills, Falconer, N. Y.
Great Barrington Mfg. Co., Great Barrington, Mass.
Holt Mfg. Co., Paterson, N. J.
Jamieson's D. Sons, Coral & Hagrt., Philadelphia, Pa.
Kershaw John W. Co., 1734 N. 5th, Phila., Pa.
Kershaw Nelson, Clifton Heights, Pa.
Lafayette Mills Co., Howard & Lehigh av, Phila., Pa.
McArthur Geo. & Son, Baraboo, Wis.
Margerison W. H. & A. E. & Co., Jasper **& Huntington, Philadelphia, Pa.**
Neuberger Fred'k & Co., Paterson, N. J.
Standard Towel Co., Newton, N. J.
Star & Crescent Co., Lehigh av & Hancock, Phila., Pa.
Welch A. P. Co., Glen Riddle, Pa.
Woodstock Cotton Mills (Bath), Anniston, Ala.

15831— Towels (Union)

Chautauqua Towel Mills, Jamestown, N. Y.
Franklin Mills Corp., Unionville, Mass.
Lowell Textile Co., N Chelmsford, Mass.

15831a— Towers (Acid)

ACME TANK CO., 43 Cortlandt, New York
See adv index at end of book
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Chemical Constr. Co, Charlotte, N. C.
Duriron Castings Co, Dayton, O.
General Ceramics Co., 50 Church, New York
Knight Maurice A., Akron, O.
Stearns A. T., Lumber Co, 100 Taylor, Neponset, Boston, Mass.
See adv index at end of book
Thermal Syndicate Ltd., 58 Schenectady, av, New York
Walsh & Weidner Boiler Co, Chattanooga, Tenn.
Weber Chimney Co, 1454 McCormick bldg, Chicago, Ill.
Wiederhold Const. Co., H Bank of Commerce bldg, St. Louis, Mo.

Towers (Bell & Observation)

See Tanks & Towers, Steel

15832—Towers (Cement Cooling)

Hart B. F. Jr. & Co., 15 Park row, New York
United Iron Works Inc., Kansas City, Mo.

15832a— Towers (Chemical)

See also Towers (Acid)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Thermal Syndicate, Ltd., 58 Schenectady, New York

15833— Towers (Combined Forced & Natural Draft Cooling)

COOLING TOWER CO., INC. (THE) (Atmospheric), 15 John, New York
See adv index at end of book
Hart B. F. Jr. & Co., 15 Park row, New York
Wheeler Condenser & Engineering Co., Carteret, N. J.

15833a—Towers (Denitrating)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Chemical Constr Co, Charlotte, N. C.
Thermal Syndicate, Ltd., 58 Schenectady, New York

15833b—*Towers (Forced Draft Cooling)

COOLING TOWER CO., INC. (THE), 15 John, New York
See adv index at end of book

15833c—Towers (Galvanized Metal)

Baker Mfg. Co. ("Monitor"), Evansville, Wis.
Butler Co., Butler, Ind.
EAGLE TANK CO., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Freeman Mfg. Co., Racine, Wis.
See adv index at end of book
Koven L. O. & Bro., Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Stover Mfg. & Engine Co., Freeport, Ill.
U. S. Wind Engine & Pump Co., Water, Batavia, Ill.

15834—Towers (Hoisting, for Coal & Ore)

See also Coal & Ore Handling Machinery
Am. Bridge Co., 71 Broadway, New York
Calumet Iron Wks., 3 Hyatt av, Newark, N. J.
Hayward Co., 50 Church, New York
See adv index at end of book
Hunt C. W. Co., West New Brighton, N. Y.
See adv index at end of book
Lidgewood Mfg. Co., 96 Liberty, New York
See adv index at end of book
Link-Belt Company, 300 W Pershing rd, Chicago, Ill. *See adv index at end of book*
Mead-Morrison Mfg. Co., c Prescott & Orleans, East Boston, Mass.
Milholland J. & J. B. Co., 714 5th av, Pittsburgh, Pa.
Robins Conveying Belt Co., 15 Park Row, New York
See adv index at end of book
Scranton Iron & Steel Co., Scranton, Pa.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

15835—Towers (Hoisting, for Concrete)

Archer Iron Works, 2436 W 34th pl, Chicago, Ill.
Davis Norris K. ("20th Century"), 400 7th, San Francisco, Cal.
Lakewood Engng. Co., Cleveland, Ohio
Ransome Concrete Machinery (Steel), Dunellen, N. J.
Scranton Iron & Steel Co., Scranton, Pa.

15836— Towers (Steel)

ACME TANK CO., 43 Cortlandt, New York
See adv index at end of book
Am. Bridge Co. (Electric Transmission), 71 Broadway, New York
American Tower & Tank Co., Elgin, Ill.
Baker Mfg. Co. ("Monitor"), Evansville, Wis.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
Bethlehem Fabricators, Inc., Bethlehem, Pa.
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Calumet Iron Wks., 3 Hyatt av, Newark, N. J.
Corcoran, A. J., Inc., 745 Jersey av, Jersey City, N. J.
See adv index at end of book
EAGLE TANK CO., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Flint & Walling Mfg. Co. ("Star"), Kendallville, Ind.
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Harry Brothers Co., Carrollton & I C R R, New Orleans, La.
Hartley Boiler Works, Montgomery, Ala.
Johnson & Thompson, 2716 N 26th, Birmingham, Ala.
Lakeside Bridge & Steel Co., 402 Villard av, North Milwaukee, Wis.
McDaniel & Son, Litchfield, Ill.
Mobile Steel Co., Knox & Conception, Mobile, Ala.
National Tank & Pipe Co., 170 Columbia blvd, Portland, Ore.
See adv index at end of book
Pacific Tank & Pipe Co., 320 Market, San Francisco, Cal.
Pennsylvania Boiler Wks., Export Dept., 43 Cedar, New York
Pittsburgh-Des Moines Steel Co., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Red Cross Mfg. Co., Bluffton, Ind.
Republic Structural Iron Works, 1290 E 53rd, Cleveland, Ohio
Schlichter E. F. Co., 10 S 18th, Phila., Pa.
Schofield's, J. H. Sons Co., Hammond & Edgewood av, Macon, Ga.
Scranton Iron & Steel Co., Scranton, Pa.
Tippet & Wood, 162 Howard, Phillipsburg, N. J.
U. S. Wind Engine & Pump Co., Water, Batavia, Ill.
Vulcan Mfg. Co., 1200 4th av, Seattle, Wash.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Woodmanse Mfg. Co., Freeport, Ill.

15836a— Towers (Sulphur)

ACME TANK CO., 43 Cortlandt, New York
See adv index at end of book
Stearns A. T. Lumber Co, 100 Taylor, Neponset, Boston, Mass.
See adv index at end of book
U. S. Wind Engine & Pump Co., Batavia, Ill.
Weber Chimney Co., 1458 McCormick bldg., Chicago, Ill.
Wiederholdt Constr. Co., H Bank of Commerce bldg, St. Louis, Mo.

Towers (Transmission)

See Transmission Towers & Structures, Electric

15837—Towers (Water Cooling)

Am. La France Engine Co. Inc., Elmira, N. Y.
Bouchard Jno. & Sons Co., Nashville, Tenn.
Burhorn Edwin Co. ("Burhorn"), 71 Wall, New York
Clinton Bridge Works, Clinton, Ia.
COOLING TOWER CO., INC. (THE), 15 John, New York
See adv index at end of book
Hart B. F. Jr. & Co., 15 Park row, New York
Mitchell-Tappen Co., 15 John, New York
Munroe R. & Sons Mfg. Corp., 23rd & Smallman, Pittsburgh, Pa.
Parker Machine & Fan Works, Kansas City, Kansas
Ruemmeli-Dawley Mfg. Co. ("Gradirs"), 3900 Chouteau av, St. Louis, Mo.
Treadwell Constr. Co., Midland, Pa.
United Iron Works Inc. (For Ice Plants), **Kansas City, Mo.**
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Wheeler C. H. Mfg. Co. ("Wheeler-Pratt"), Lehigh & N 18th, Phila., Pa.
Wheeler Condenser & Engineering Co. ("Wheeler" Natural Draft & Mechanical Draft), West Carteret, N. J.

15838—Toy Metal Building Materials

Gilbert A. C. Co. ("Erector"), Blatchley av, New Haven, Conn.
Meccano Co., 200 5th av, New York
Structo Mfg. Co. ("Structo" for Toys, Models, etc), Freeport, Ill.
Watrous Mfg. Co., ("Modelit") East Hampton, Conn.

15839— Toys (Electric)

See also Motors, Battery
Bunnell J. H. & Co., 32 Park pl, New York
Carlisle & Finch Co., 229 E Clifton av, Cincinnati, O.
Diamond Electric Specialties Corp. ("Diamond"), 101 S Orange, Newark, N.J.
Dongan Elec. Mfg. Co. (Transformers), 2987 Franklin, Detroit, Mich.
Dongan Electric Mfg. Co., 741 Franklin, Detroit, Mich.
Gilbert A. C. Co. ("Gilbert"), New Haven, Conn.
Harvey W. A., Burr bldg, Scranton, Pa.
H-K. Toy & Novelty Co., Indianapolis, Ind.
Interstate El. Novelty Co., 60 Tillary, Brooklyn, N. Y.
Ives Mfg. Corp., Bridgeport, Conn.
Jefferson Elec. Mfg. Co., 430 S. Green, Chicago, Ill.
Kendrick-Davis Co., Lebanon, N. H.
Knapp Electric & Novelty Co. ("Electric Questioner"), 130 W 42d, New York
McCandless H. W. & Co., 150 B'way, New York
Meccano Co., 46 W 24th, New York
National French Fancy Novelty Co., 2058 Pitkin, Brooklyn, N. Y.
Ohio Electric & Controller Co., 5900 Maurice av, Cleveland, O.
Rhode Island Telephone & Electric Co. ("Baby Dynamo"), 55 Pine, Providence, R. I.
Rittenhouse A. E. Co., Honeoye Falls, N. Y.
Rosen A. W. & Co., 610 B'way, New York
Russell Electric Co. ("Hold Heet" Ovens), 340 W Huron, Chicago, Ill.
Smith Novotoy Electric Inc. ("Novotoy"), Charlotte, N. C.
Structo Mfg. Co., Freeport, Ill.
Thompson A. T. & Co., 15 Tremont pl, Boston, Mass.
Thordarson Elec. Mfg. Co., 518 S Jefferson, Chicago, Ill.
Triangle Electro Trading Co., 632 B'way, New York
Viking Elec. Co., 154 Chambers, New York
Weeden Mfg. Co., New Bedford, Mass.
White H. C. Co., No. Bennington, Vt.
Wolverine Supply & Mfg. Co., Page & Fontella, Pittsburgh, Pa.
Wood C. D. Elec. Co. ("Monocoil Motor"), 565 B'way, New York
Yankee Mfg. Co., Cleveland, Ohio

15840—Toys, Games & Novelties

Am. Bisque Doll Co., 181 Chestnut, Newark, N. J.
American Character Doll Co. Inc., 67 Spring, New York
American Flyer Mfg. Co. ("Motorcycle Mike" & "Slippery Slim"), 2219 S Halsted, Chicago, Ill.
Am. Mfg. Co. (Blocks, Tool Chests & Pianos), Dept. H, Falconer, N. Y.
American Pedometer Co., New Haven, Conn.
American Soldier Co., Myrtle & De Boo pl, Glendale, N. Y.
Am. Toy Mfg. Co., Dept. H, Johnson City, Tenn.
American Toy Works (Paper), 7 Chatham sq, New York
American Thermophone Co. ("Kidphone" Telephone), 116 Bedford, Boston, Mass.
Appleton Toy & Furniture Co. ("Appleton" Children's Chairs, Shoofly & Guard Sleighs), Appleton, Wis.
Arcade Mfg. Co., Freeport, Ill.
Archery Co., Glens Falls, N. Y.
Atascadero Doll & Toy Factory Inc., 323 Geary, San Francisco, Cal.
Atkins & Co., 827 Filbert, Phila., Pa.
Ayron Toy & Novelty Corp. (Dolls) (Jobbers), 494 B'way, New York
Barnard Paul Jackson Co. (Capt. Jack's Sand Ship), 651 S Clarence, Los Angeles, Cal.
Baumgarten & Co., (Printing Sets), 213 E. Fayette, Baltimore, Md.
Beistle Co. (Cardboard Novelties), Dept. H, Shippensburg, Pa.
Benner Mfg. Co., Lancaster, Pa.
Bennett Mfg. Co., Plymouth, Mich.
Bens S. J. Mfg. Corp., Herkimer, N. Y.
Berk Bros., 543 B'way, New York
Besser Edwin E. Co. Inc. (Mfrs. Agents, etc), 35 E 19th, New York
Bevin Bros. Mfg. Co., Easthampton, Conn.
Binney & Smith Co., 41 E 42d, New York
Bloch Go-Cart Co., 1136 North American bldg, Phila., Pa.
Bogert & Hopper Inc. (Checkers, Pencil Cases, Wooden), 57 Barclay, New York
See adv index at end of book
Borgfeldt Geo. & Co., 16th & Irving pl, New York
Bowman Geo. H. Co. ("Jumbo Wheel"), 224 Euclid av, Cleveland, O.
Bradley Milton & Co. (Chess, Men & Boards), 74 Park, Springfield, Mass.
Bregwoodkro Stamping & Mfg. Co. ("Echo," Telephone), Lorain, O.
Buffalo Toy & Tool Works, 520 B'way, Buffalo, N. Y.
Burr-Vack Co. (Base Ball Games), 511 S Wabash av, Chicago, Ill.
Butler Doll Stand Co. (Doll Stands), Oak Park, Ill.
C. L. C. Toy Novelty & Furniture Corp. (Special Dancing Toys), Augusta, Kan.
Card Board Toy Co. ("Ezy Made"), 1st Wis. Nat'l. Bank bldg, Milwaukee, Wis.
Carlin D. N. Co., 127 Denniston, Pittsburgh, Pa.
Carriage & Toy Co., 741 W Lombard, Baltimore, Md.
Carrom Co., Ludington, Mich.
Carter C. E. Co., Erie, Pa.
Cass N. D. Co., Athol, Mass.
Chevalier R. Co., 1121 Harvard, San Francisco, Cal.
Chicago Ferrule & Nut Co., 330 Lill av, Chicago, Ill.
Cincinnati Time Recorder Co. (Toy Printing Presses), 1733 Central av, Cincinnati, O.
Clement L. D. North Weare, N. H.
Cole Toy & Trading Co. (Jobbers), 324 S Hill, Los Angeles, Cal.
Colson Co. (The) (Children's Vehicles), Elyria, Ohio
See adv index at end of book
Connolly Bros., 329H Laurel av, Cheltenham, Pa.
Converse M. E. & Son, Winchendon, Mass.
Craw Wm. N. Mfg. Co., South Norwalk, Conn.
Cress H. G. Co., Troy, Ohio
Cruver Mfg. Co., 2460 W Jackson blvd, Chicago, Ill.
Dean & Williams Co. ("Juju" wheeled trucks, trailers, Racers & Doel Chariot), 4317 Elston av, Chicago, Ill.
Dorr Wallie Co., 869 Murray, New York
Dowst Bros. Co., 124 Ann, Chicago, Ill.
Drewry Bros., North Weare, N. H.
Duffield & Co. ("Arduſco" Furniture), Derby, Conn.
Eastman Mfg. Co. (Furniture), Union City, Pa.
Economy Drawing Table & Mfg. Co., Adrian, Mich.
Elitsac Mfg. Co., Castile, N. Y.
Ellsworth Hardwood Co. (Wood), Ellsworth, Me.
Embossing Co., Albany, N. Y.
ESTES E. B. & SONS (Wooden), 364 5th av, New York
See adv index at end of book

(Continued on following page)

Toys, Games & Novelties—Continued

Evans H. C. & Co. (Race Tracks), 1522 W Adams, Chicago, Ill.
Fearon Brown Co. (Imp.), 96 Wall, New York
Federal-Buster Corp. (Wooden), 304 Lexington av, Pittsgurgh, Pa.
Fox J. H. & Son, Berea, Ohio
Frary Mfg. Co. (Wooden), Charlemont, Mass.
Fuld Wm., 1510 Harford, Baltimore, Md.
Garton Toy Co., Sheboygan, Wis.
Gem Products Co., Greenville, Ohio
Gerling Toy Co. (Dolls), 64 Grand, New York
Gibbs Mfg. Co., Canton, Ohio
Gilbert A. C. Co. ("Gilbert"), New Haven, Conn.
Globe Teddy Bear Co. ("Globe"), 141 Penna av, Brooklyn, N. Y.
Gong Bell Mfg. Co., Easthampton, Conn.
Granite State Mfg. Co., Concord, N. H.
H. K. Toy & Henley Skate Co. (Wooden Toys & Telephones), Dept. H, Richmond, Ind.
Halsam Products Co., 4114 Ravenswood av, Chicago, Ill.
Hampden Toy Co., Westfield, Mass.
Hawes J. Mfg. Co., Towanda, Pa.
Hill N. N. Brass Co., Easthampton, Conn.
Horn W. C. Bros. & Co. (Chessmen & Boards), 200 5th av, New York
Horsman E. I. Co., 11 Union sq., New York
Hurst L. J. Mfg. Co., 716 E 24th, Indianapolis, Ind.
Ideal Aeroplane & Supply Co. (Flying), 165 Spring, New York
Interstate Electric Novelty Co. (Electric Novelties, Flashlights), 60 Tillary, Brooklyn, N. Y.
Janesville Products Co. (Coaster Wagons & Vehicles), Janesville, Wis.
Kazoo Go-Bang Co. ("Kazoo Go-Bang" Noise Toys), Kalamazoo, Mich.
Kingsbury Mfg. Co. ("Kingsbury" Garden & Floral Sets), Keene, N. H.
Kirby Mfg. Co. ("Kirby" Reins), Middletown, Conn.
Kirk-Latty Mfg. Co. (Wheelbarrows, etc), W 85th, bet Detroit & Madison avs, 1971 W 85th, Cleveland, O.
Knapp Electric & Novelty Co., 130 W 42d, New York
Lawrence Airplane Model & Supply Co. (Aeroplane Toys, model aeroplanes & Model Building Supplies), 567 W Van Buren, Chicago, Ill.
Lebanon Nov. Co., Lebanon, Pa.
Lorenzen Chas. F. & Co. (Tile Bldg. Blocks), 521 W. Monroe, Chicago, Ill.
Lubbers & Bell Mfg. Co. ("Puzzle-Peg" & "Blox-O" Games), Clinton, Iowa
McDowell Mfg. Co. (The) (Mechanical Auto Race & Coaster), (Millvale sta.), Pittsburgh, Pa.
See adv index at end of book
McLoughlin Bros., 221 4th av, New York
Madmar Quality Co (Wooden & Mechanical) Utica, N. Y.
Manhattan Electrical Supply Co. (Toys, Electrical Transformers, 110 Volts), 17 Park pl, New York
Mansfield Novelty Co., Mansfield, Pa.
Mason Mfg. Co., South Paris, Me.
Mason & Parker Mfg. Co. (Garden Tools), Winchendon, Mass.
Meinecke Mfg. Co. (Wooden Hobby Horses), Richards, Milwaukee, Wis.
Michigan Wire Goods Co. (Imitation Brass Beds for Dolls), Niles, Mich.
Milliman G. H. & Son, North Tonawanda, New York
Modern Toy Co. (Dolls), 171 Belmont av, Brooklyn, N. Y.
National Co. (Talking Machine), 277 Congress, Boston, Mass.
National French Fancy Novelty Co. (Stuffed Toys), 2050 Pitkin, Brooklyn, N. Y.
New Chicago Specialty Co. (Decorated Burnt Wood Doll Furniture, etc), New Chicago, Ind.
New England Lock & Hinge Co. (Toy Hardware), Winchendon, Mass.
Nicol & Co., 218 N Jefferson, Chicago, Ill.
Noble & Cooley Co. (Drums, etc), Granville, Mass.
Original Mfg. Co. (Bob Skates, etc.), Greenville, Mich.
Pacific Toy & Device Mfg. Co., 227 San Bruno av, San Francisco, Cal.
Parker Bros. (Toys & Games, etc.), Salem, Mass.
Pearl Art Wks. (Checker Boards), 673 W Madison, Chicago, Ill.
Phillips & Buttorff Mfg. Co. (Stoves), Nashville, Tenn.
Porter Chemical Co. ("Chemcraft"), Hagerstown, Md.
Potter Mfg. Co. (Garden Tools), Geneva, Ohio
Price W. R. Inc. ("Umakem" Toy Outfits), 5 Nassau, New York
Reed, Evan L. Mfg. Co., Sterling, Ill.
Reed, Evan L. Mfg. Co., Tipton, Danville, Ill.
Relaxo Mfg. Co. (Juvenile Furniture and Wooden Toys), 1321 Willow, Los Angeles, Cal.
Richmond Bros. Co. ("Newello" Magic Slates) 177 Chestnut, Newark, N. J.
Richmond Cedar Works, Fulton, Richmond, Va.
Rockwell Jno. L., Monroeton, Pa.
Rollman Mfg. Co. (Ltd.), Mount Joy, Pa.
Rosenstein Hy. Co., 34H Union sq, New York
Ross & Ross (Felt Novelties), 4 Monte Vista, Oakland, Cal.
Schindler Chas. ("Buffler"), Toledo, O.
Schlesinger Leo & Co., 537 Greenwich, New York
Schoenhut A. Co. (Pianos, Guns, Sail Boats, Shooting Galleries, Soldier Equipments, Circus Toys, etc), E Hagrt. & Sepviva, Philadelphia, Pa.
Selchow & Righter Co., 620 B'way, New York
Seneca Falls Rule & Block Co. Inc., Dept. H, Seneca Falls, N. Y.
Shanafelt Mfg. Co. (Mechanical), Canton, Ohio
Sidway Mercantile Co. (Doll Carriages), Elkhart, Ind.
Simmons J. M. & Co. (Quiza & Checker Boards, Woolen Dice, Wooden Checkermen, Combination Game Table), 531 S Peoria, Chicago, Ill.
Slauf Mfg. Co. (Turned Wood), 1820 S La Salle, Chicago, Ill.
South Bend Toy Mfg. Co. (Game Boards, Croquet, Doll Cabs, Go-Carts, Wagons & Furniture), South Bend, Ind.
Smith Novotoy Elec. Inc. ("Novotoy"), Charlotte, N. C.
Standard Toy & Mfg. Co., Lakeview, Wash.
Stearns E. C. & Co. (Rollomobile & Ridamobile), 450 Oneida, Syracuse, N. Y.
Steel Stamping Co., Lorain, Ohio
Steele Table Co. (Wooden Toys), Port Norfolk, Va.
Steinfeld Bros. (Wagons, Swinging Horses, Carriages, Furniture, Hand Cars, etc), 116 W 32d, New York
Stevens J. & E. Co., Cromwell, Conn.
Stiles H. A. & Co. (Toy Parts, Wooden), 166-174 Portland, Boston, Mass.
See adv index at end of book
Stratton Mfg. Co. (Wooden), Stratton, Me.
Strauss Ferdinand Inc. (Rangers, Tea Sets, Tin Horns, etc), Irving pl & 16th, New York
Structo Mfg. Co. (Educational Toys), Freeport, Ill.
Toledo Metal Wheel Co. (Automobiles, Carriages & Tricycles), Toledo, O.
Topliffe Ely Co., Washington, Pa.
Toy Cannon Works ("Big-Bang" Cannon), Bethlehem, Pa.
Toy Craft Co. (Wood Wheel Toys), Wooster, Ohio
Toy Tinkers, Evanston, Ill.
Travers G. W. & Co., 146 Chambers, New York
Transogram Co. Inc. ("Gold Medal" Needlework & Knitting Sets, Painting Boxes & Drawing Outfits), 487 Sterling pl, Brooklyn, N. Y.
U. S. Doll Corp. (Unbreakable Doll), 148 Green, New York
Universal Toy & Novelty Mfg. Co. (Metal & Wood), 824 Folsom, San Francisco, Cal.
Upton Machine Co., St. Joseph, Mich.
Wagner Mfg. Co. ("Wagner Ware" Cast Iron Cooking Utensils), Sidney, O.
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
See adv index at end of book
Wheeler Mfg. Co. (College Specialties of Felt), 2141 Milvia, Berkeley, Cal.
Whitney Reed Corp. (Hobby Horses, Doll Carriages), Leominster, Mass.
Wilder Mfg. Co. (Toy Furniture), 17th & Clinton, St. Louis, Mo.
Wilmsen B. (Christmas Tree Decorations), 212 Ionic, Philadelphia, Pa.
Wilson Pliny D. Co., 433 California, San Fransisco, Cal.
Winkler Mfg. Co. (Wooden Toys), 29 Hydrulic av, South Bend, Ind.
Wolverine Supply & Mfg. Co. ("Sandy Andy"), Page & Fontella, Pittsburgh, Pa.
Woodstock Mfg. Co., Dept. H, Rochester, N. Y.

15841—Toys (Iron & Steel)

Am. Tube & Stamping Co., 471 Hancock, Bridgeport, Conn.
Arcade Mfg. Co., Freeport, Ill.
Central Stamping Co. (Tin, etc.), 206 B'way, New York
Champion Hardware Co. (Iron) Geneva, Ohio
Dent Hardware Co., Fullerton, Pa.
Elastic Tip Co. (Vacuum Tipped Guns & Pistols), 370 Atlantic av, Boston, Mass.
Grey Iron Casting Co. (Iron Trains, Banks, Ranges, Tools, Sad Irons, etc), Mt. Joy, Pa.
Hubley Mfg. Co. ("Lancaster"), Lancaster, Pa.
Ives Mfg. Corp. (Cars, Locomotives, Houses, Fire Engines, etc), Bridgeport, Conn.
Kenton Hardware Co. (Banks, Ranges, Fire Depts. & Wheel Toys, Cap Pistols & Blank Cartridges, Pistols, etc), Kenton, O.
Kilgore Mfg. Co. (Machine Guns), Homestead, Pa.
Lodge Mfg. Co., S Pittsburgh, Tenn.
McDowell Mfg. Co. (The) (Mechanical Auto Race & Coaster), (Millvale sta), Pittsburgh, Pa.
See adv index at end of book
Maine Machine Works ("Speedster"), 701 N Main, Los Angeles, Cal.
Nonpareil Toy & Novelty Co. Inc., 64 Union, Newark, N. J.
Nicol & Co., 218 N Jefferson, Chicago, Ill.
Rollman Mfg. Co. (Ltd.), Mount Joy, Pa.
Stevens J. & E. Co. (Iron), Cromwell, Conn.
Universal Toy & Novelty Mfg. Co., 824 Folsom, San Francisco, Cal.
Weeden Mfg. Corp. (Steam & Electric), New Bedford, Mass.
Williams A. C. Co. (Iron Only), Ravenna, Ohio
Wrightsville Hdw. Co. (Hammers, Hatchets, Shovels, etc), Wrightsville, Pa.

15842— Toys (Mechanical)

See also Toys, Electric; Toys, Games & Novelties; Locomotives & Railways, Minature

Animate Toy Co. (Bug Sets, Games, etc), 200 5th av, New York
Atascadero Doll & Toy Factory, Inc., 323 Geary, San Francisco, Cal.
Carrollton Novelty Co., Carrollton, O.
Converse M. E. & Son, Winchendon, Mass.
Dayton Friction Toy Works, Dayton, O.
Federal-Buster Corp., 364 Lexington av, Pittsburgh, Pa.
Gibbs Mfg. Co., Canton, O.
Gilbert A. C. Co. ("Gilbert"), New Haven, Conn.
Girard Model Works, Girard, Pa.
Gund Mfg. Co., 43 E 19th, New York
Ives Mfg. Corp., Bridgeport, Conn.
Kingsbury Mfg. Co. ("Kingsbury" Pressed Steel & Models), Keene, N. H.
McDOWELL MFG. CO. (THE) ("Speedway" Auto Race & "See-Saw" Coaster), (Millvale sta), Pittsburgh, Pa.
See adv index at end of book
New York Rubber Co., 291 B'way, New York
Schieble Toy & Novelty Co., Dayton, O.
Shanafelt Mfg. Co., Canton, O.
Strauss Ferdinand Inc., Irving pl & 16th, New York
Wolverine Supply & Mfg. Co., Page & Fontella, Pittsburgh, Pa.

15843— Toys (Rubber)

Behrend & Rothschild, 353 B'way, New York
Faultless Rubber Co. (Balloons, Balls, etc), Ashland, O.
Goodrich B. F. Co., Akron, O.
Gregory Rubber Co., Akron, O.
Miller Rubber Co., Akron, O.
Pacific Balloon Co. (Blaine), Riverside, Cal.
Western Reserve Rubber Co., South Akron, Ohio

15844—Tracing Cloth Pounce

Keuffel & Esser Co., Hoboken, N. J.
Weber Co. F., 1220 Buttonwood, Philadelphia, Pa

15845—Tracing Cloth & Paper

Angel H. Reeve & Co. Inc., 7 Spruce, New York
Arkwright Finishing Co. (Cloth), Hospital Trust bldg, Providence, R. I.
Defiance Mfg. Co., 384-6 B'way, New York
Dietzgen Eugene Co., 166 W Monroe, Chicago, Ill.
Elliott B. K. Co., 126 6th, Pittsburgh, Pa.
Indianapolis Blue Print & Supply Co. (Importers), Century bldg, Indianapolis, Ind.
Keuffel & Esser Co. (Paper), Hoboken, N. J.
Keystone Blue Paper Co., 910 Filbert, Phila., Pa.
PEASE U. F. CO., 320 N Franklin, Chicago, Ill. *See adv index at end of book*
St. George Henry V., 1170 B'way, New York
Sartorius & Co. (Sartorius Vegetables), 32 Union sq, New York
Vincent Geo. ("Victory" Vellum Tracing Paper), 649 W 43d, New York
Weber, F., Co., 1220 Buttonwood, Phila., Pa.
WINTER MARTIN, 216 W 18th, New York

15845a—*Track (Cross-Overs)

American Frog & Switch Co., Hamilton, Ohio *See adv index at end of book*

15845b— *Track (Curved)

American Frog & Switch Co., Hamilton, Ohio *See adv index at end of book*

Track Gauges

See Gauges (Track)

15845c— Track (Industrial)

See also Track (Railway, Industrial & Portable)

AM FROG & SWITCH CO. ("American" Track Works), Hamilton, Ohio
See adv index at end of book
Central Frog & Switch Co., Cincinnati, O
Cincinnati Frog & Switch Co., Cincinnati, Ohio
Lakewood Engineering Co., Cleveland, O.

Track Levels

See Levels (Track)

15845d—Track (Narrow Gauge)

Am. Frog & Switch Co. ("American"), Hamilton, Ohio
See adv index at end of book
Bacon & Matheson Forge Co., 17H W Lander, Seattle, Wash.
Central Frog & Switch Co., Cincinnati, Ohio
Lakewood Engng. Co., Cleveland, Ohio

15846— Track (Portable)

See also Track (Railway, Industrial & Portable)
Am. Frog & Switch Co. ("American" Track Work), Hamilton, Ohio
See adv index at end of book
Central Frog & Switch Co., Cincinnati, Ohio
Lakewood Engineering Co., Cleveland, O.
Western Wheeled Scraper Co., Farnsworth, Aurora, Ill.

15847—Track (Railway, Industrial & Portable)

American Frog & Switch Co., Hamilton, Ohio *See adv. index at end of book*

AMERICAN FROG & SWITCH CO.
HAMILTON, OHIO

Central Frog & Switch Co., Cincinnati, Ohio
Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*
Lakewood Engineering Co., Cleveland, O.
MOTLEY, JAMES M., 43 Cedar, New York

15847a1— Track (Riveted)

American Frog & Switch Co., Hamilton, Ohio
See adv index at end of book
Central Frog & Switch Co., Cincinnati, Ohio
Lakewood Engineering Co., Cleveland, O.

15847a— Track Switches

See also Switches (Track, Street Railway)
American Frog & Switch Co., Hamilton, Ohio
See adv index at end of book
Signal Accessories Corp., Utica, N. Y.

15847b—Track Switches (Turntable)

Am. Frog & Switch Co. ("American" Track Work), Hamilton, Ohio
See adv index at end of book
Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*
Koppel Industrial Car & Equipment Co., Dept. H, Koppel, Pa.
Light Railway Equipment Co., Commercial Trust bldg, Phila., Pa.

15847c—Track & Switches (Permanent)

American Frog & Switch Co. (also Portable), Hamilton, Ohio
See adv index at end of book
Central Frog & Switch Co., Cincinnati, Ohio
Koppel Industrial Car & Equipment Co., Dept. H, Koppel, Pa.
Wharton Wm. Jr. & Co., Inc., Easton, Pa.

15848-9—Tracking (Slaughter House)

Allbright-Nell Co., 5315 Western blvd, Chicago, Ill.
Brecht Co. (Overhead), 1201 Cass av, St. Louis, Mo.
Duncan J. Co., 39 Parlin, Everett, Mass.
Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book

15850—Tracks (Cast Iron Plate)

Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*
Hunt C. W. Co., West New Brighton, N. Y.
See adv index at end of book

15851—Tracks (Door Hanger)

Alco Foundry & Machine Co., Hillsdale, Mich
Frantz Mfg. Co. ("Rummell"), Sterling, Ill.
McKinney Mfg. Co. ("Hatfield" for Barn Doors), Liverpool & Metropolitan, **Pittsburgh, Pa.**
Myers F. E. & Bro. ("Myers O. K.," "Myers Giant" Tubular Girder, "New Way" Tubular Girder, Hercules Storm Proof, "Faultless"), 950 Orange, Ashland, O.
See adv index at end of book
Porter J. E. Co. (For Barn Doors), Ottawa, Ill.
Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book
Sharon Hardware Mfg. Co., Sharon, Pa.

15852—Tracks (Hay Carrier)

Hunt, Helm, Ferris & Co. ("Star" Steel & Wood), Harvard, Ill.
Myers F. E. & Bro. (Double Rail & Single Rail), 950 Orange, Ashland, O.
See adv index at end of book
Ney V. L. Hay Tool Co. (Steel), Canton, Ohio
Strickler Hay Tool Co. ("Strickler" Steel), Janesville, Wis.

15852a—Tractors (Electric, Storage Battery)

AUTOMATIC TRANSPORTATION CO., INC. (Electric Storage Battery Trucks), 2939 Main, Buffalo, N. Y.
See adv index at end of book
Atlas Car & Mfg. Co., Cleveland, Ohio
See adv index at end of book
Buda Co., Harvey, Ill.
Elwell-Parker Electric Co. (The) (Electric Fork Tractors), 4205 St. Clair av, Cleveland, Ohio
See adv index at end of book
Lakewood Engng. Co., Cleveland, Ohio
Yale & Towne Mfg. Co., Dept. H, Stamford, Conn.

15852b—Tractors (Farm)

See also Engines (Traction)

Acme Harvesting Machine Co., Peoria, Ill.
Acme Road Machinery Co. (Gasoline), Frankfort, N. Y.
Advance-Rumely Co. (Steam), La Porte, Ind.
Albert Lea Tractor & Mfg. Co., Albert Lea, Minn.
Allis-Chalmers Mfg. Co. ("A.-C.," "Allis-Chalmers" Gasoline & Kerosene Fuel), Milwaukee, Wis.
See adv index at end of book
Am. Tractor & Fdry. Co., Charles City, Ia.
Appleton Mfg. Co., Batavia, Ill.
Astoria Marine Iron Works, Astoria, Ore.
Aultman & Taylor Machy. Co., Mansfield, O.
Austin Machinery Corp. (Multipedal & Wheel), Railway Exchange bldg., Chicago, Ill.
Automotive Corp. ("Automative") Spitzer bldg, Toledo, Ohio
Automotive Tractor Corp. /"Schofield"), Dept. H, Frederick, Md.
AUTOMATIC TRANSPORTATION CO., INC. (Storage Battery), 2939 Main, Buffalo, N. Y.
See adv index at end of book
Avery Co. ("Avery"), Peoria, Ill.
Bates Machine & Tractor Co., Joliet, Ill.
Beeman Tractor Co. ("Beeman"), 5th & 33th av N. E., Minneapolis, Minn.
Best C. L. Tractor Co. ("Best Trackayer"), San Leandro, Cal.
Brillion Iron Works, Brillion, Wis.
Buckeye Mfg. Co., Anderson, Ind.
Bull Tractors Madison Motors Corp., 620 S 3rd, Minneapolis, Minn.
C. O. D. Tractor Co., 309 Washington av, Minneapolis, Minn.
Case J I Threshing Machine Co., Racine, Wis.
Chandler & Taylor Co., 205 S Addison & Big RR, Indianapolis, Ind.
Cleveland Tractor Co. ("Cleveland"), Euclid & Lamb av, Cleveland, O.
Common Sense Gas Tractor Co., 622 S E 9th, Minneapolis, Minn.
Cook Motors Corp., Kankakee, Ill.
Corn Belt Tractor Co., 2701 Univ. av, S E Minneapolis, Minn.
Dart Truck & Tractor Co. ("Dart"), Waterloo, Ia.
Dauch Mfg. Co., Sandusky, O.
Dayton-Dowd Co. ("Leader"), 365 Yorke, Quincy, Ill. *See adv index at end of book*
Depue Bros. Mfg. Co., Clinton, Ia.
Dissinger C. H. A. & Bro. Co. ("Capital"), Wrightsville, Pa.
Eagle Mfg. Co. ("Eagle"), Dept. H, Winnebago & Drew, Appleton, Wis.
ELECTRIC WHEEL CO. ("All Work"), Station D, Quincy, Ill.
See adv index at end of book
Elgin Tractor Corp., Piqua, O.
Emerson-Brantingham Co. ("E. B." Steam and Kerosene), Rockwood, Ill.
Fageol Motors Co., Oakland, Cal.
Fairmont Railway Motors, Inc. ("Fairmont"), Fairmont, Minn.
Farquhar A. B. Co., Ltd. ("Farquhar"), York, Pa.
Federal Motor Co. ("Fordson" Gasoline, Highland Park, Detroit, Mich.
Federal Motor Truck Co. (Gasoline), 5780H Federal, Detroit, Mich.
Ford Motor Co. ("Fordson" Gasoline), Highland Park, Detroit, Mich.
Four Drive Tractor Co., Big Rapids, Mich.
Frick Co. ("Frick"), Waynesboro, Pa.
Geneva Tractor Co., ("Geneva Adapto") Geneva, Ohio
Gilson Mfg. Co. (Garden, Lawn Mower), Port Washington, Wis.
Gladiator Mfg. Co., ("Gladiator"), 2335 E 52d, Los Angeles, Cal.
Graham Bros. Inc., Evansville, Ind.
Grain Belt Mfg Co., Fargo, N Dak.
Granger Co. A. D. (Lawn & Garden), 17 Park Row New York
See adv index at end of book
Gray Tractor Co. ("Gray"), 30th av & S. E. & G. N., Minneapolis, Minn.
Hackney Mfg. Co., cor Pior & Univ, St. Paul, Minn.
Hadfield-Penfield Steel Co. (Crawler Track for Fordson), Bucyrus, Ohio
See adv index at end of book

Crawler Tracks for Fordson
Double its Power—Goes anywhere
Put on or off in 90 minutes
THE HADFIELD-PENFIELD STEEL CO.
Bucyrus, Ohio

Hart Parr Co., Charles City, Ia.
Held Frank Tractor Co. (Gromor" Garden),607-11 N 4th, Columbus, O.
Henry Millard & Henry Co. ("H. M. & H."), York, Pa.
Hoke Tractor Co., South Bend, Ind.
Holt Mfg. Co. ("Caterpillar"), S Aurora, Stockton, Cal.
Huber Mfg. Co. ("Huber Super-Four"), 202 N Greenwood, Marion, Ohio.
Illinois Silo Co., Bloomington, Ill.
Imperial Machine Co. ("Imperial Forty"), 1611 Central av, Minneapolis, Minn.
Indiana Silo & Tractor Co., Anderson, Ind.
International Harvester Co. ("McCormick-Deering," "International"), Harvester bldg., Chicago, Ill.
Interstate Tractor Co., Waterloo, Iowa
Joliet Oil Tractor Co. ("Bates" Steel Mule), Joliet, Ill.
Kansas City Hay Press Co., ft. of 4th st Viaduct, Kansas City, Mo.
Keck-Gonnerman Co., Mt. Vernon, Ind.
Keystone Iron & Steel Works ("Keystone 30"), 37th & Santa Fe av, Los Angeles, Cal.
Kinnard & Sons Mfg. Co. ("Flour City"), 44th av & N & Bryant, Minneapolis, Minn.
Knox Motors Co. ("Knox"), 534 Wilbraham Rd, Springfield, Mass.
Koehler H. J. Motors Corp., Bloomfield, N. J.
La Crosse Motor Truck Co., La Crosse, Wis.
La Crosse Tractor Co., ("La Crosse"), La Crosse, Wis.
Lauson John Mfg. Co., New Holstein, Wis.
Leader Tractor Mfg. Co., Des Moines, Ia.
Lenox Motor Car Co., 339 Boyleston, Boston, Mass.
Le Roi Co., Dept. H, 60th & Mitchell, Milwaukee, Wis.
Liberty Tractor Co., Minneapolis, Minn.
Little Giant Co. ("Little Giant"), Mankato, Minn.
Lion Tractor Co., 2d Bank bldg., Minneapolis, Minn.
Lyons Atlas Co., Indianapolis, Ind.
Midwest Engine Co., 19th & Martindale av, Indianapolis, Ind.
Minneapolis Steel & Machy Co., 2854 Minnehaha av, Minneapolis, Minn.
Minneapolis Threshing Machine Co., Hopkins, Minneapolis, Minn.
Moline Plow Co., Moline, Ill.
Monarch Tractor Co. ("Neverslip" & "Lightfoot" Watertown, Wis.
Motor Macultivator Co., 1308 Dorr, Toledo, Ohio
New Britain Machine Co. ("New Britain" Garden Type), New Britain, Conn.
Nichols Shepard Co., Battle Creek, Mich.
Nilson Tractor Co. ("Nilson"), 1902 Riverside, Minneapolis, Minn.
Ohio Mfg. Co., Upper Sandusky, O.
Oldsmar Tractor Co. ("Oldsmar"), Oldsmar, Fla.
Oliver Chilled Plow Works, South Bend, Ind.
Oliver Tractor Co., Knoxville, Tenn.
Ortman Motor Co., Washington Court House, Ohio
Peoria Tractor Co., Peoria, Ill.
Pioneer Tractor Mfg. Co., Winona, Minn.
Plano Tractor Co., Plano, Ill.
Pontiac Tractor Co., Pontiac, Mich.
Remy Bros. Co., Kokomo, Ind.
Rock Island Plow Co., Rock Island, Ill.
Russell & Co., Massillon, Ohio
S. K. & S. Co., El Paso, Ill.
Samson Tractor Co. ("Samson"), Janesville, Wis.
Sexton Tractor Corp., Asbury Park, N. J.
Shelby Tractor & Truck Co. ("Shelby"), Shelby, Ohio
Square Turn Tractor Co. ("Square Turn"), Norfolk, Va.
Standard Steel Box Co., Bridgeville, Pa.
Star Tractor Co., ("Indiana" "Star"), Findlay, Ohio
Stearns Motor Mfg. Co. ("Stearns"), Ludington, Mich.

(Continued on following page)

American Steel & Wire Company's

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NO matter what the contour of the ground, we will construct a tramway that will transfer material at minimum expense; and no grades are too steep to surmount; no rivers or valleys too wide to cross; and no grading, bridges or viaducts of any kind are required. There is practically no limit to the length of these tramways.

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Tractors (Farm)—Continued

Stinson Tractor Co., Minneapolis, Minn.
Topp-Stewart Tractor Co., Clintonville, Wis.
Townsend Mfg. Co., Janesville, Wis.
Tractor J. T. Co., Fairfield av & W 14th, Cleveland, O.
Trenham Tractor Co., Stevens Point, Wis.
Trojan Unit Tractor Co., Waterloo, Ia.
Turner Mfg. Co., Port Washington, Wis.
Twin City Co., 29th & Minnehaha av, Minneapolis, Minn.
Velie Motors Corp., ("Velie"), Moline, Ill.
Wallis Tractor Co., Racine, Wis.
Waterloo Gasoline Engine Co., 625 Miles, Waterloo, Ia.
Weber & Damme Wagon Co., 1621 Broadway, St. Louis, Mo.
Wichita Motors Co. ("Wichita"), Wichita Falls, Tex.
Wisconsin Farm Tractor Co., Sauk City, Wis.
Wizard Tractor Corp. ("Four Pull"), Monrovia, Cal.
YUBA MFG. CO. ("Yuba Ball Tread," "Ball Tread"), 433H California, San Francisco, Cal.

15852c— Tractors (Fork)

Elwell-Parker Electric Co. (The), 4205 St Clair av, Cleveland, Ohio
See adv index at end of book

15852d—Tractors (Gas & Steam)

See also Engines (Tractor)

Emerson Brantingham Co. ("E. B." Steam), Rockford, Ill.
Frick Co. ("Frick"), Waynesboro, Pa.
Union Tool Co., H Union Oil bldg, Torrance, Cal.

15852e— Tractors (Gasoline)

Allis-Chalmers Mfg. Co. (& Kerosene), Milwaukee, Wis.
See adv index at end of book
AUTOMATIC TRANSPORTATION CO., INC., 2939 Main, Buffalo, N. Y.
See adv index at end of book
Barrett-Cravens Co., 1328 W Monroe, Chicago, Ill.
Best, C. L., Tractor Co. ("Best Tracklayer"), Davis, San Leandro, Cal.
Cook Motors Corp., Kankakee, Ill.
Federal Motor Truck Co., 5780H Federal, Detroit, Mich.
Farm Engng. Co., Sand Spring, Okla.
Ford Motor Co. ("Fordson"), Highland Park, Detroit, Mich.
GRANGER CO. A. D. ("Twin City," "Utilitor" & "Merry Garden"), 17 Park Row, New York
See adv index at end of book
Minneapolis Steel & Machy Co., 2854 Minnehaha av, Minneapolis, Minn.
Northwest Engineering Works, Green Bay, Wis.
Prescott Sumner K. Co. (Logging & Industrial), 1 W Landers, Seattle, Wash.
Reliance Trailer & Truck Co., Inc. ("Reliance"), 1642 Howard, San Francisco, Cal.
Towmotor Co. ("Towmotor" Industrial), 1226 E 152nd, Cleveland, Ohio
Watson Products Corp., Center, Canastota, N. Y.

15852f— Tractors (Industrial)

Automatic Transportation Co., Inc., The (Electric), 2939 Main, Buffalo, N. Y.
Baker R. & L. Co., The (Electric), 2180 W 25th, Cleveland, Ohio
Barrett-Cravens Co. (Gasoline), 1328 W Monroe, Chicago, Ill.
Cowan Truck Co. (Electric), Holyoke, Mass.
Crescent Truck Co. (Electric), 160 N 10th, Lebanon, Pa.
Elwell-Parker Electric Co. (The) (Electric), 4205 St. Clair av, Cleveland, O.
See adv index at end of book
Granger Co. A. D. (Gasoline), 17 Park Row, New York
See adv index at end of book
Koppel Industrial Car & Equipment Co., Koppel, Pa.
Lansing Co., The (Electric), Lansing, Mich.
Mercury Mfg. Co., 4118 S Halsted, Chicago, Ill.
Prescott Co. Sumner K. (Gasoline), 1 W Landers, Seattle, Wash.
Towmotor Co. (Towmotor), 1226 E 152d, Cleveland, Ohio

15853—Tractors (Kerosene)

Advance-Rumely Co. ("Rumely"), La Porte, Ind.
Allis-Chalmers Mfg. Co. (& Gasoline), Milwaukee, Wis.
Best C. L. Tractor Co. ("Best Tracklayer"), Davis, San Leandro, Cal.
Cook Motors Corp., Kankakee, Ill.
Emerson Brantingham Co. ("E. B."), Rockford, Ill.
Frick Co. ("Frick"), Waynesboro, Pa.
Granger Co. A. D. (Gasoline), 17 Park Row, New York
See adv index at end of book
Kinnard & Sons Mfg. Co. ("Flour City"), 44th av, & N. Bryant, Minneapolis, Minn
Minneapolis Steel & Machy Co., 2854 Minnehaha av, Minneapolis, Minn.

Tractors (Lawn & Garden)

See Tractors Farm

15853a— Trading Stamps

Eureka Spec. Printing Co. Scranton, Pa.

15854—Tragacanth Importers

Anderson-Hillier Co. Inc., 73 Hudson, New York.
Bird J. A. & W. & Co. (Imp.), 88 Pearl, Boston, Mass.
Jacob Chas. W. & Allison, 18 Cedar, New York
Klipstein A. & Co., 644 Greenwich, New York
Lyon Julian W., 75 Fulton, New York
Scheel, Wm. H., 179 Water, New York
See adv index at end of book
Strahl & Pitsch, 141 Front, New York
Thurston & Braidich, 27 Cliff, New York
Wolf Jacques & Co., Passaic, N. J.
Worden Chemical Works, 4 Cedar, New York

15854a— Trailer Parts (Rear End Construction)

Cook Motors Corp., Kankakee, Ill.
Coast Engine & Machine Works, E Madison & Water, Portland, Ore.
Martin Rocking Fifth Wheel Co., Springfield, Mass.
New Comer Trailer Mfg. Co. ("New Comer"), 1125 Santa Fe av, Los Angeles, Cal.

15854b—Trailers (Industrial)

See also Truck Trailers Automobile

Arcadia Trailer Co. ("Arcadia" Heavy Duty), Newark, N. Y.
AUTOMATIC TRANSPORTATION CO., INC. (Trailer Trucks), 2939 Main, Buffalo, N. Y.
See adv index at end of book
Biehl Iron Works Inc., Reading, Pa.
Cook Motors Corp., Kankakee, Ill.
ELECTRIC WHEEL CO. (Electric), Station D, Quincy, Ill.
See adv index at end of book
HOWE CHAIN CO., Muskegon, Mich.
Lakewood Engineering Co., Cleveland, O.
Lee Trailer & Body Co. ("Lee" side & end dump body combination), 2343 S La Salle, Chicago, Ill.
Lyons F. P., Inc. (Steel), 1008 Elm, Manchester, N. H.
Mercury Mfg. Co., 4118 S Halsted, Chicago, Ill.
Mudge & Co. (Motor Car for Railroad), Railway Exchange bldg, Chicago, Ill.
ST. LOUIS TRUCK & MFG. CO. (Steel), 3200 N Hall, St. Louis, Mo.
Sharon Pressed Steel Co. ("Brute"), Sharon, Pa.
Utility Trailer Mfg. Co. ("Utility"), 1328 Palmetto, Los Angeles, Cal.
Watson Products Corp., Center, Canastota, N. Y.
Yale & Towne Mfg. Co., Dept. H, Stamford, Conn.
Zering H. Mfg. Co., B. & O. Ry. & Hickory, Cincinnati, O.
See adv index at end of book

15855—Train Despatching Equipment (Telephone)

Railway Electric Mfg. Co., 135 Syracuse, Milwaukee, Wis.
Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y.

15856-57— Trains (Roll)

Danville Iron & Steel Co., Danville, Pa.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Lewis Foundry & Machine Co., Groveton, Pa.
Morgan Construction Co., Worcester, Mass.
National Rool & Foundry Co., Avonmore, Pa.
United Engineering & Foundry Co., Farmers Bk. bldg, Pittsburgh, Pa.

Tramrails

See Trolleys & Trolley Tracks, Overhead

15858— Tramways (Bridge)

Brown Hoisting Machy. Co. (The), 4403 St. Clair, N E, Cleveland, Ohio
See adv index at end of book
Cleveland Crane & Engineering Co., Dept. H, Wickliffe, Ohio
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Macwhyte Co. ("Macwhyte"), Kenosha, Wis.

15859— Tramways (Gravity)

Hallidie Co. (For Ore, etc.), Spokane, Wash.
Macwhyte Co. ("Macwhyte"), Kenosha, Wis.

15860—*Tramways (Wire Rope)

See also Wire Rope Tramways

American Steel & Wire Co. (Aerial "American"), 208 S La Salle, Chicago, Ill.
See adv index at end of book
Leschen & Sons Rope Co. A., Kennerly & Hamilton, St. Louis, Mo.
See adv index at end of book

15861— *Transfer Tables (Hand Power)

Wharton Wm. Jr. & Co., Inc., Easton, Pa.

15861a—Transfers (Decalcomania)

COMMERFORD CO., THE, 106 E 19th, New York
See adv index at end of book
DECALCO LITHO CO. (Decalcomania), 615H Newark, Hoboken, N. J.
See adv index at end of book
Decalcomania Co., 30 W Jackson blvd, Chicago, Ill.
Globe Decalomania Co., 263 Sussex, Newark, N. J.
Meyercord Co. (Inc.) (Decalcomania), Chamber of Commerce, Chicago, Ill.

NATIONAL DECALCOMANIA CO., 252 N. 60th, Phila., Pa.
See adv index at end of book
Palm Bros. Decalcomania Co. (The), 3729 Spencer av, Cincinnati, Ohio
Palm Fechteler & Co., 67 5th av, New York
Transiucent Window Sign Co. (Imp.), 17 W 20th New York

15862—*Transfers (Endless)

Allis-Chalmers Mfg. Co. (Saw Mill), Milwaukee, Wis.
See adv index at end of book
LINK-BELT COMPANY ("Link-Belt"), 300 W Pershing rd, Chicago, Ill.
See adv index at end of book

Transfers (Letter)

See Filing Transfer & Storage Cases

15863—Transformer, Oil Dryer & Purifier

Hunt Edw. J. ("Hunt"), 707 Ordway bldg. Newark, N. J.

15864— Transformers

Adams-Bagnall Electric Co., Platt av, Cleveland, O.
Airway Electric Appliance Corp. ("Airway," Porcelain-Clad, Bell-Ringing), 618 B'way, Toledo, Ohio
Allis-Chalmers Mfg. Co. (Light & Power, Electric), Milwaukee, Wis.
See adv index at end of book
American Transformer Co. ("American," High & Low Frequency Type & Oil), 178-182 Emmett, Newark, N. J.
Beacon Rectifier Inc. (For Operating Signalling System from Alternating or Direct Current), Hyde Park, Mass.
Bell & Howell Co. (Theatre), 1803 Larchmont av, Chicago, Ill.
Campbell Electric Co. ("Lowvolt" for Tungsten Lamps, etc), 17 Stewart, Lynn, Mass.
Clapp-Eastham Co. ("Blitzer", High Frequency Type), Cambridge, Mass.
Condit Electrical Mfg. Co. ("Condit" Instrument), 842 Summer, Boston, Mass.
Connecticut Telephone & Electric Co., Meriden, Conn.
Crocker-Wheeler Co. ("Remlk"), Ampere, N. J.
Cushman Electric Co. ("Cushman" Rotary), Concord, N. H.
Cutter George Works of Westinghouse Elec. & Mfg. Co. ("Cutter"), South Bend, Ind.
Dongan Elec Mfg. Co. (Toy & Bellring), 2937 Franklin, Detroit, Mich.
Duncan Electric Mfg. Co. ("Duncan"), Lafayette, Ind.
Edison Thos. A., Inc., Orange, N. J.
Edwards & Co. ("Dixie," Cadet), Exterior av & 140th, New York
Empire Transformer Co. (Ozone Retifier Syb. Lighting Toy, etc), 3819 N Ashland, Chicago, Ill.
Electric Appliance Co., 701 W Jackson blvd, Chicago, Ill.
Electro Surgical Instrument Co. (For Surgical Miniature Lamps), Rochester, N. Y.
Enterprise Elec. Co. ("Peerless"), Warren, O.
Fuerst Friedman Co.,The, E 53d & Hamilton av, Cleveland, O.
Gardner Electric Mfg. Co., Emeryville, Cal.
GENERAL ELECTRIC CO. (Lead Burning, "Pyrotip," Light & Power, Auto, Bell Ringing, Pipe Thawing, All-Nite-Lite & Various Special), Schenectady, N. Y.
See adv index at end of book
General Railway Signal Co. (Automatic Block Signaling), Rochester, N. Y.
Gisholt Machine Co. (Electrical Direct Current), 13156 Washington, Madison, Wis.
Goettmann, O. J., 525 Ohio, Pittsburgh, Pa.
Haas R. Elec. & Mfg. Co., Springfield, Ill.
Hallberg J. H., 25 W 45th, New York
Jefferson Electric Mfg. Co. (Toys, Sign Lighting, Wireless), 426 S Green, Chicago, Ill.
Killark Elec Mfg. Co., 3940 Easton, St. Louis, Mo.
Knott L. E. Apparatus Co. (Dissectible, Demonstration), 79 Amherst, Cambridge, Mass.
Kuhlman Electric Co. (For Light & Power), Bay City, Mich.
Liebel-Flarsheim Co., 460 Home, Cincinnati, Ohio
McIntosh Battery & Optical Co. ("Hogan Silent Roentgen"), 217 N Desplaines, Chicago, Ill.
Marathon Theatre Stres Co. (H. & H. for Mov. Picture), Wausau, Wis.
Mohawk Electric Mfg. Co. ("Rollinson," Type "R" Ringing), 15 Kirk pl, Newark, N. J.
Moloney Electric Co. ("Moloney"), 7th & Hickory, St. Louis, Mo.
Packard Electric Co., Warren, O.
Paragon Electric Co. (Electric) (Jobbers), 446 7th av, New York
Pittsburgh Transformer Co. (Furnace, Power, Distribution, Self-Cooled, Water Cooled, Single Phased & Three Phase Mill Type), Columbus & Preble ave, N S, Pittsburgh, Pa.
Ritchie E. S. & Sons (Wireless Telegraph), Brookline, Mass.
Rittenhouse Co. A. E., Honeoye Falls, N. Y.
Roentgen Appliance Co., 639H Mission, San Francisco, Cal.
Sangamon Electric Co. ("Nowatt"), Springfield, Ill.
Scientific Instrument & Electric Mch. Co. (Small High Voltage), Machanicsburgh, Pa.
Signal Electric Mfg. Co. ("Signal" Bell Ringing), Menominee, Mich.
Sperry & Bittner ("Little Bill" Bell Ringing), 422 1st av, Pittsburgh, Pa.
Standard Transformer Co. ("Standard" Bell Ringing, Dept. H, Warren, Ohio
Sterling Devices Co. (Direct Current), 9 Lispenard, New York
Terminal Electric Co., 635H 11th av, New York.
Thordarson Elec. Mfg. Co., 501 S Jefferson, Chicago, Ill.
Triumph Electric Co., Oakley, Cincinnati, O.
Usem Co. ("Potentiostat" D. C.), 505 W 42d, New York
United States Apparatus Co. ("Beacon"), 1529 Columbus av, Roy, Boston, Mass.
Victor X-Ray Corp., 236 S Robey, Chicago, Ill.
Viking Electric Co. ("Viking," Low Voltage, Sign & Toy), 152 Chambers, New York
Wagner Electric Mfg. Co. ("Wagner Quality" Lightning & Motor Pole line Instrument, Static Power & Subway), 6400 Plymouth av, St. Louis, Mo.
Wahl Mfg. Co., Sterling, Ill.
Ward Leonard Elec. Co. (Adaptor Resistance), Bronxville, N. Y.
Wente Electric Co., Hamilton, O.
Wesco Supply Co. ("McDonnell"), 7th & Clark, St. Louis, Mo.
Western Electric Co. ("Lighting," "Potential"), 463 West, New York
Western Electro-Mechanical Co., 461 2nd, Oakland, Cal.
Western Transformer Co., 618 E 11th, Oakland, Cal.
WESTINGHOUSE ELECTRIC & MFG. CO. (Core & Shell Type for Power & Light), East Pittsburgh, Pa.
See adv index at end of book
Weston Electrical Instrument Co. (Instruments), Waverly Park, Newark, N. J.

15864a—Transformers (Auto-Regulating)

American Transformer Co., 178 Emmett, Newark, N. J.
Kuhlman Electric Co., Bay City, Mich.
Triumph Electric Co., Oakley, Cincinnati, O.

15865—Transformers (Bell Ringing)

Airway Electric Appliance Corp., 618 B'way, Toledo, Ohio
Betts & Betts Corp., 631H W 43d, New York
Campbell Electric Co. ("Campbell"), 17 Stewart, Lynn, Mass.
Dongan Elec Mfg. Co., 2937 Franklin, Detroit, Mich.
EASTON COIL CO. (and Radio Coils only), Centre & Mauch Chunk, Easton, Pa.
Empire Transformer Co., 3819 N Ashland, Chicago, Ill.
Ft. Wayne Electric Works, of General Electric Co., Ft. Wayne, Ind.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Gilbert A. C. Co., 493H Blatchley av, New Haven, Conn.
Jefferson Electric Mfg. Co., 426 S Green, Chicago, Ill.
Kilbourne & Clark Mfg. Co., 101 Spokane, Seattle, Wash.
Killark Electric Mfg. Co., 3940H Easton av, St. Louis, Mo.
Mohawk Electric Mfg. Co. ("Rollinson"), 15 Kirk pl, Newark, N. J.
Packard Elec. Co., Dana av, Warren, O.
Peerless Light Co. ("Becker"), 663 W Washington blvd, Chicago, Ill.
Rittenhouse A. E. Co., Dept. H, Honeoye Falls, N. Y.
Signal Electric Mfg. Co. ("Signal"), Menominee, Mich.
Sperry & Bittner ("Little Bill"), 422 1st av, Pittsburgh, Pa.
Standard Transformer Co. Dept. H, Warren, Ohio.
Sterling Devices Co. (Direct Current), 9 Lispenard, New York
Terminal Electric Co., 635 11th av, New York.
Thordarson Electric Mfg. Co., 501H S Jefferson, Chicago, Ill.
U. S. E. M. Co., 301 W 37th, New York.
Viking Electric Co. ("Viking"), 152 Chambers, New York
Wente Electric Co., Hamilton, O.

15866—Transformers For Moving Picture Lamps

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Power Nicholas Co., 90 Gold, New York

15866a—Transformers (Furnace, Electric)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book

15867—Transformers (Heat)

Central Station Steam Co. ("Detroit"), 710 Woodbridge, Detroit, Mich.

15867a—Transformers (Laboratory)

American Transformer Co., 178 Emmett, Newark, N. J.
Thordarson Electric Mfg. Co., 501 S Jefferson, Chicago, Ill.

Transformers (Light & Power)

See Transformers

15868—Transformers (Pipe Thawing)

GENERAL ELECTRIC CO. (Lead Burning "Pyrotip"), Schenectady, N. Y.
See adv index at end of book

15868a—Transformers (Radio Amplifying)

Aerovax Corp., 343 Front, San Francisco, Cal.
Acme Apparatus Co. ("Acme"), 186 Massachusetts av, Cambridge, Mass.
Adams Morgan Co., Upper Montclair, N. J.
Airway Elec. Appliance Corp., 618 B'way, Toledo, Ohio
Am. Radio & Research Corp., 203 College av, Medford Hillside, Mass.
Am. Radio Sales & Service Co., Mansfield, Ohio
Atwater Kent Mfg. Co. ("Atwater-Kent"), 4937 Stenton av, Philadelphia, Pa.
Bremer-Tully Mfg. Co., 532 S Canal, Chicago, Ill.
Cardwell Allen D. Mfg. Co., 81 Prospect, Brooklyn, N. Y.
Chelsea Radio Co. ("Chelsea"), 150 5th, Chelsea, Mass.
Clapp-Eastham Co., 139 Main, Cambridge, Mass.
Colburn Gear & Mfg. Co., 1 Woodworth, Dorchester, Boston 22, Mass.
Coto-Coil Co., 87 Willard av, Providence, R. I.
Crocker-Wheeler Co., Ampere, N J.
Crosley Mfg. Co. ("Crosley"), Alfred & Cook, Cincinnati, Ohio
De Forest Tel. & Telg. Co., 1415 Franklin, Jersey City, N. J.
Doyle Dacosta Mfg. Co. (Coils Only), Easton, Pa.
Dubilier Condenser Co., 217 Centre, New York
Dudlo Mfg. Co. ("Dudlo"), Ft. Wayne, Ind.
Easton Coil Co. (Coils only), Centre & Mauch Chunk, Easton, Pa.
Electric Machine Co., Pratt & Meridian, Indianapolis, Ind.
Electrical Products Mfg. Co., 69 Sprague, Providence, R. I.
Freed-Eisemann Radio Corp. ("F-E"), Sperry bldg, New York
General Radio Co., Massachusetts av & Windsor, Cambridge, Mass.
Grebe, A. H. & Co., Inc., 70 Van Wyck blvd, Jamaica, N. Y.
Horne Mfg. Co., 243 Mercer, Jersey City, N. J.
Howard Radio Co. Inc., 451-469 E Ohio, Chicago, Ill.
See adv index at end of book
Jefferson Elec. Mfg. Co. (Audio Frequency), 430 S Green, Chicago, Ill.
Joy & Kelsey, 4021 W Kinzie, Chicago, Ill.
Kilbourne & Clark Mfg. Co. ("K. & C."), 101 Spokane, Seattle, Wash.
Klaus Radio Co., Eureka, Ill.
Lee Electric & Mfg. Co. ("Lemco"), 220 8th, San Francisco, Cal.
Michigan Radio Corp., 21 Ottawa, Grand Rapids, Mich.
Mu-rad Laboratories ("Mu-rad"), Asbury Park, N. J.
Newmann-Stern Co., E 12th & Walnut, Cleveland, Ohio
Northwest Radio Service Co. ("Puget"), 1637 West Lake av, Seattle, Wash.
Pacent Elec. Co., 22 Park pl, New York
Packard Elec. Co. (Packard"), Warren, Ohio
Precision Equipment Co., B. & O. R. R. & Blue Rock, Cincinnati, Ohio
Quality Radio Shop, Richmond, Ind.
Radio Accessories & Mfg. Co., 39 Spring, Newark, N. J.
Radio Corp. of Am. ("Radiation"), 64 B'way, New York
Radio Instrument Co., 104 D, Washington, D. C.
Radio & Scientific Apparatus Co. ("Rasai Cleartone"), 606 Mission, San Francisco, Cal.
Radio Service Laboratories, Asbury Park, N. J.
Radio Spec. Co., 96 Park Row, New York
Radiolectron Mfg. Co., Troy, N. Y.
Rauland Mfg. Co., 2650 Coyne, Chicago
Remler Radio Mfg. Co., 248 1st, San Francisco, Cal.
Scheib Elec. Radio Co. ("Serco"), 6243 Station, Pitsburgh, Pa.
Sears Roebuck & Co., Arthington & Homan av, Chicago, Ill.
Ship Owners' Radio Service (Dirs), 80 Washington, New York
STROMBERG-CARLSON TELEPHONE MFG. CO., 1050 University av, Rochester, N. Y.
T. & H. Radio Co., Anthony, Kan.

(Continued on following page)

Transformers (Radio Amplifying)—Continued

Thordarson Elec. Mfg. Co., 509 S Jefferson, Chicago, Ill.
Waterbury Button Corp., 83 S Main, Waterbury, Conn.
See adv index at end of book
Westinghouse Elec. & Mfg. Co., East Pittsburg, Pa.
See adv index at end of book
Wireless Equipment Co., 226 Sherman, Newark, N. J.
Wireless Improvement Co., 66 York, Jersey City, N. J.
Wireless Specialty Apparatus Co., 76 Atherton, Boston, Mass.

15868b—Transformers (Radio Power)

Acme Apparatus Co. ("Acme"), 186 Massachusetts av, Cambridge, Mass.
Am. Radio Sales & Service Co., Mansfield, Ohio
Cardwell Allen D. Mfg. Co., 81 Prospect, Brooklyn, N. Y.
Chelsea Radio Co. ("Chelsea"), 150 5th av, Chelsea, Mass.
Doyle DaCosta Mfg. Co. (Coils), Easton, Pa.
Jewett Mfg. Co., Madison av, New York
Joy & Kelsey, 4021 W Kinzie, Chicago, Ill.
Kilbourne & Clark Mfg. Co., 101 Spokane, Seattle, Wash.
Kuebler Radio Co., 24 Boody bldg, Toledo, Ohio
Magnavox Co. ("Radiovax"), 2775 E 14th, Oakland, Cal.
Man-Day Radio Corp. ("Man-Day"), 135 W 33d, New York
Modern Radio Apparatus Co. ("Modern"), Elizabeth, N. J.
Northwest Radio Service Co. ("Puget"), 1637 Westlake av, Seattle, Wash.
Packard Elec. Co., Warren, Ohio
Radio & Scientific Apparatus Co. ("Rasac Cleartone"), 606 Mission, San Francisco, Cal.
Radio Instrument Co., 10th & D, Washington, D. C.
Scheib Elec. Radio Co., 6243 Station, Pittsburgh, Pa.
Ship Owners Radio Service (Dirs.), 80 Washington, New York
Signal Elec. Co., Menominee, Mich.
Turney Eugene T. Laboratories ("Turney"), 351 6th, Newark, N. J.
Wireless Improvement Co., 66 York, Jersey City, N. J.

15868c—*Transformers (Speed, Spur Gear)

See also Speed Reducers
GANSCHOW CO. WM., 1017 Washington blvd, Chicago, Ill.
See adv index at end of book

15869—Transformers (Static)

Eveland Electric Riveter Co., W End Tr. bldg, Phila., Pa.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

15870-1-2— Transits

Ainsworth Wm. & Sons ("Brunton" Pocket), Denver, Colo.
Bausch & Lomb Optical Co., Rochester, N. Y.
Beckman L. Co., Toledo Ohio
Berger C. L. & Sons ("Monitor"), 45 Williams, Boston, Mass.
Buff & Buff Mfg. Co., rear 98 Green, Jamaica Plain, Boston, Mass.
Dietzgen Eugene Co., 166 W Monroe, Chicago, Ill.
Gurley W. & L. E., 514H Fulton, Troy, N. Y.
Heller & Brightly, Dept. H., 1122 Spring Garden, Phila., Pa.
Keuffel & Esser Co. (Builders', Engineers', Hand Locating), Hoboken, N. J.
Kolesch & Co., 138 Fulton, New York
Ledder & Probst (& Repairing), 21 Pearl, Boston, Mass.
Lietz A. Co. ("Lietz" Transits & Levers), **61 Post, San Francisco, Cal.**
Pease C. F. Co., 820 N Franklin, Chicago, Ill. *See adv index at end of book*
Prince L. M. Co., 108 W 4th, Cincinnati, O.
Queen-Gray Co. (For Surveying), 64-70H W Johnson, Phila., Pa.
Starrett L. S. Co. (Leveling), Athol, Mass.
Taylor Instrument Companies, ("Verschoyle" Pocket "Tycos", Rochester, N. Y.
Ulmer J. C. Co. ("J. B. Davis" Solar "Ulmer," etc.), 1791 E 38th, Cleveland, Ohio.
Warren-Knight Co. ("Sterling"), 136 N 12th, Phila., Pa.
Weber Co. F., 1220 Buttonwood, Philadelphia, Pa.
White, David Co. Inc. (Architects' Leveling, etc.), 901 Chestnut, Milwaukee, Wis.
Wissler Instrument Co. ("Wissler"), 613 N Broadway, St. Louis, Mo.

15873-4—Transmission (Automobile)

Ahlberg, K. E. Co. ("Ahlberg Dual" for Trucks), 120 W 22nd, Los Angeles, Cal.
AMERICAN DIE & TOOL CO., Reading, Pa.
Bedell Engineering Co., 1001 Orange drive, Los Angeles, Cal.
Cotta Gear Co. (Motor Truck & Tractor Only), 117-29 Morgan av, Rockford, Ill.
Cotta Transmission Co. ("Cotta" Motor Truck & Tractor Only), Rockford Ill.
Durston Gear Corp. ("Durston"), 25 Maltbie, Syracuse, N. Y.
Hill-Smith Metal Goods Co. ("H. S."), 83 Brookline av, Boston, Mass.
Fuller & Sons Mfg. Co., Kalamazoo, Mich.
Kellenberger Transmission Co. (For Fords), Realty bldg, Spokane, Wash.
Mechanics Machine Co., Rockford, Ill.
Rocky Mountain Steel Products, Inc. ("Moore 4 Speed" & "Rocky Mountain"), 1344 Wall, Los Angeles, Cal.
Rowe Mfg. Co., 33 Dolores, San Francisco, Cal.
Warner Gear Co., Muncie, Ind.
Warren Gear Products Co., Dept. H, Warren, Pa.
Willys Morrow Co. Inc., Dept. H, Elmira, N. Y.

15875—Transmission (Right Angle)

Almond T. R. Mfg. Co. ("Almond"), Ashburnham, Mass.
ROBINSON MFG. CO., Muncy, Pa.
Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book
Stephens-Adamson Mfg. Co. ("S.-A."), Aurora, Ill.

15875a—*Transmission (Silent Chain)

Boston Gear Works, Norfolk Downes, Quincy, Mass.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
MORSE CHAIN CO., Ithaca, N. Y.
See adv index at end of book
Union Chain & Mfg. Co., Sandusky, Ohio

15876—Transmission Towers & Structures (Electric)

Aermotor Co., 2500 W Roosevelt rd, Chicago, Ill.
American Bridge Co., 30 Church, New York
Archbold-Brady Co. (Steel), Syracuse, N. Y.
Bates Expanded Steel Truss Co., 208 S La Salle.
Bethlehem Fabricators, Inc., Bethlehem, Pa.
BLAW-KNOX CO., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book

BLAW-KNOX CO.
681 Farmers Bank Building
PITTSBURGH, PA.
Manufacturers of
Transmission Towers

Calumet Iron Wks., 3 Hyatt av, Newark, N. J.
Electric Railway Equipment Co., Cincinnati, O.
INTERNATIONAL DERRICK & EQUIPMENT CO., Michigan & Buttles av, Columbus, Ohio
Lehigh Structural Steel Co., ft of Allen, Allentown, Pa.
See adv index at end of book

LEHIGH STRUCTURAL STEEL CO.
ALLENTOWN, PA.
Engineers and Manufacturers of
Galvanized Transmission Towers

Pacific Coast Steel Co., Rialto bldg, San Francisco, Cal.
Pacific Electric Mfg. Co., 827 Folsom San Francisco, Cal.
Pittsburgh-Des Moines Steel Co. (Radio Towers), 804 Curry bldg, Pittsburgh, Pa. *See adv index at end of book*
Railway & Industrial Engineering Co. Dept. H, Greensburg, Pa.
Republic Structural Iron Wks. Co., 1350 E 53rd, Cleveland, O.
Riter-Conley Mfg. Co., Oliver bldg, Pittsburgh, Pa.
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York.
See adv index at end of book
WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa.
See adv index at end of book

15876a—Transmitters (Radio Telephone

Adams-Morgan Co. ("Paragon"), Upper Montclair, N. J.
Am. Electric Co., 6401 S State, Chicago, Ill.
Am. Radio & Research Corp., 203 College av, Medford Hillside, Mass.
Bliss R. W. Co., Atlantic, Mass.
Cardwell Allen D. Mfg. Co., 81 Prospect, Brooklyn, N. Y.
Chicago Radio Laboratories ("Zenith"), 332 S Michigan, Chicago, Ill.
Conn. Tel. & Elec. Co., Meriden, Conn.
Couch S. H. Co., Norfolk Downs, Mass.
Crocker Wheeler Co. ("Midget"), Ampere, N. J.
De Forest Radio Tel. & Telg. Co., 1415 Franklin, Jersey City, N. J.
Federal Tel. & Tel. Co., 1738 Elmwood av, Buffalo, N. Y.
General Elec. Co., Schenectady, N. Y.
See adv index at end of book
Newmann Stern Co., E 12th & Walnut, Cleveland, Ohio
Omnigraph Mfg. Co., 264 Cortlandt, New York
Polakow Mfg. Co., 236 Marsh Strong bldg, Los Angeles, Cal.
Radio Corp. of Am., 64 B'way, New York
Radio & Scientific Apparatus Co. ("Rasac Cleartone"), 606 Mission, San Francisco, Cal.
Stanley & Patterson ("De Veau"), West & Hubert av, New York
Stromberg Carlson Tel. & Mfg. Co., 1050 University av, Rochester, N. Y.

15877—Transmitters (Sewing Machine)

Singer Sewing Machine Co., 149 B'way, New York
Union Special Machine Co., 400 N Franklin, Chicago, Ill.

15878-9—Transmitters (Telegraph)

Pierson Manfg. Co. ("Piersen" Keyboard), Topeka, Kas.
Vibroplex Co., Inc., 253 B'way, New York

15880—Transplanters (Tobacco)

Case J. I. Plow Works (& Cabbage) Racine, Wis.
Fetzer & Co. (Tobacco, Cabbage, Tomato, etc.), Springfield, Ill.
Garrison Bros. Co. (And Other Plants), Bridgeton, N. J.
Madison Plow Co. ("F. & J. Bemis"), Madison, Wis.
Masters Planter Co. (Hand), 800 N Clark, **Chicago, Ill.**
Nagley Mfg. Co. ("Onondaga" Automatic for All Kinds of Plants), Lyons, N. Y.
New Idea Spreader Co. ("Rollman"), Coldwater, O.
Ohio Rake Co. ("Tiger"), Dayton, O.
Owens J. L. Co. (Also Potato, Cabbage, (Tomato, etc.), Fulton & S E Huron, Minneapolis, Minn.
Vibroplex Co., 825 B'way, New York

15881— Trap Rock

See also Stone, Crushed

Birdsboro Stone Co., Land Title bldg., Phila., Pa.
Blue Trap Rock Co., Little Rock, Ark.
Bouker Contracting Co., 17 State, New York
Bound Brook Crushed Stone Co., Bound Brook, N. J.
Conewago Trap Rock Co., Williamsport, Pa.
Connecticut Quarries Co., 152 Temple, New Haven, Conn.
Davis Trap Rock Works, City Centre bldg, **Phila., Pa.**
Dyer John T. Quarry Co., Norristown, Pa.
General Crushed Stone Co., Easton, Pa.
Keystone Lime & Stone Co., Lancaster, Pa.
Lane John S. & Son, Meriden, Conn.
Middle Valley Trap Rock & Mining Co., Middle Valley, N. J.
Morris County Crushed Stone Co., Morristown, N. J.
New York Pyrites Co. Inc., 25 Broad, New York
New York Trap Rock Co. (Crushed), 10 Park av, New York
Schmidt F. W., Morristown, N. J.
Spence Bros. ("Bruce"), Cleveland, O.
Standard Lime & Stone Co., Equitable bldg, Baltimore, Md.

West Roxbury Trap Rock Co., W R, Boston, Mass.
York Hill Trap Rock Quarry Co., Meriden, Conn.

15882— Traps (Air)

ANDERSON V. D. Co. ("Anderson"), W 96th, Cleveland, O.
See adv index at end of book
ARMSTRONG MACHINE WORKS, 307 Maple, Three Rivers, Mich.
See adv index at end of book
DUNHAM CO. C. A., 230 E Ohio, Chicago, Ill.
See adv index at end of book
McAlear Mfg. Co., 1901 So. Western av, Chicago, Ill.
McAuley Automatic Trap Co., Imperial Power bldg, Pittsburgh, Pa.
Nicholson W. H. & Co., Wilkes-Barre, Pa.
Swartwout Co. ("Swartwout"), 13515 Euclid av, Cleveland, Ohio
Wright-Austin Co. ("Wright"), 97 Woodbridge, Detroit, Mich.

15883— Traps (Animal)

Abingdon Trap Co. ("O. K."), Abingdon, Ill.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
E-Z Mfg. Co., Galesburg, Ill.
Hawkins Co., South Britain, Conn.
Heartley Machine, Variety Iron & Tool Works, 900 Summit, Toledo, O.
Missoula Clutch Trap Co. ("Crago" Clutch Trap), 106 W Spruce, Missoula, Mont.
Nelson Mfg. Co., Deerfield, Wis.
Niagara Falls Metal Stamping Works ("Lightning," "Clincher"), Niagara Falls, N. Y.
Oneida Community (Ltd), Dept. G ("Newhouse" for all Kinds of Game), Oneida, N. Y.
SNAPPY MFG. CO. (All Metal—Mouse and Rat.
Snappy traps are better traps.
Foot-Set—A mere pressure of the foot making them ready for action.
All Steel—Built to last.
Sanitary—Easily sterilized.
Safe—Catch Rats and Mice, not fingers.
Sure—So sensitive that a business card dropped on the trigger will cause them to close instantaneously.
Buffalo Bill Rat and Mouse traps, wood base, are rapidly displacing the old wooden traps.
They shoot from any angle.
Easily set, safe and sure.
Write for quantity prices), 900 Railroad, Harvard, Ill.
See adv index at end of book
Triumph Trap Co., Inc., ("Triumph," "Kangaroo," "High Grip" & "Triple Clutch" & "Coil Spring"), 66 W Elm, Oneida, N. Y.

15884—Traps (Anti-Siphon)

Boston Brass Co. ("McAuliffe" Non-Siphoning"), 135 Bacon, Waltham, Mass.
Cudell F. E. (Lead), 10013 Detroit av, Cleveland, Ohio
Hunkins-Willis Lime & Cement Co. (Dirs, Partition), Century bldg, St. Louis, Mo.
Ireland & Matthews Mfg. Co., Beard & Chatfield, Detroit, Mich.
Miller Foundry & Specialty Co. ("Millers"), North Tonawanda, N. Y.
Sanitary Co. (Iron), Dept. H, Linfield, Pa.
Sanitas Mfg. Co. ("Sanitos" "Securitas"), 105 Washington, Boston, Mass.
Young Joseph H. Co. ("Bay State," "Cambridge," "YCo" "Salem," "Springfield"), 82 High, Boston, Mass.

15885— Traps (Back Water)

Barrett Jas. Mfg. Co., ("Barrett") 117 Pearl, Boston, Mass.
Blake Specialty Co., Rock Island, Ill.
Boston Brass Co., ("Acme") 135 Bacon, Waltham, Mass.
Butler Thos. F., Lorain, O.
Cudell F. E. (Lead), Cleveland, O.
Edwardsville Brass Co., Edwardsville, Ill.
Illinois Malleable Iron Co. (Palmer), 1801 Diversey blvd, Chicago, Ill.
See adv index at end of book
Modern Iron Wks., Quincy, Ill.
Murphy Specialty Co. ("Murphy," Combined Catch Basin & Back Water Trap), 90 2d, Milwaukee, Wis.
Prier Brass Mfg. Co. ("Standard" & Sieben"), 15th & Blue River, Kansas City, Mo.
Sanitary Co., Dept. H, Linfield, Pa.
Sanitas Mfg. Co. ("Acme"), 105 Washington, Boston, Mass.
Stary Frank & Sons, Cedar Rapids, Ia.
Swett A. L. Iron Works, Medina, N. Y.
Union Metal Works, Chelsea, Mass.
Wolverine Brass Works, Grand Rapids, Mich.

15886—Traps (Bath & Basin)

ACHESON MFG. CO., Rankin, Pa.
See adv index at end of book
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Pin Co. ("Ampinco"), Waterbury, Conn.
American Sanitary Mfg. Co. ("American"), Abingdon, Ill.
Blake Specialty Co. (Iron & Brass), Rock Island, Ill.
Boston Brass Co. ("B. B.," "McAuliffe" Non-Syphoning), 135 Bacon, Waltham, Mass.
Clarke Robt. (Non-Syphon), 98 Schermerhorn, Brooklyn, N. Y.
Dearborn Brass Co., Cedar Rapids, Ia.
Detroit Marvel Brass Mfg. Co., 1742 Rivard, Detroit, Mich.
Detroit Sanitary Supply Co. ("Clean Sweep" Catch Basin), 1191 2nd, Detroit, Mich.
Donley Bros. Co. (The) ("Swingway" "Subway" "Straitaway" No. 36), 13935 Miles av, Cleveland, Ohio
See adv index at end of book
Eagle Picher Lead Co. ("Eagle" Lead), 208H S La Salle, Chicago, Ill.
Edwardsville Brass Co., Edwardsville, Ill.
Empire Brass Mfg. Co. (Brass), 10301 Berea Rd, Cleveland, Ohio
Fee & Mason, 81 Beekman, New York
Frost Mfg. Co. ("Femco"), Kenosha, Wis.
Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, Ohio
Greenwood Mfg. Co. (Shower Bath), 5140H Greenwood, Detroit, Mich.
Haines, Jones & Cadbury Co. ("Hajoca" Bath), 1136 Ridge av, Phila., Pa.
Hoffmann & Billings Mfg. Co., 100 2nd, Milwaukee, Wis.
Ireland & Matthews Mfg. Co. ("Boss" & "S"), Beard & Chatfield, Detroit, Mich.
Josam Mfg. Co. (Bath Only), Michigan City, Ind.
Kitson Co. ("Bennor" Pattern), 2815-2827 Oakford, Phila., Pa.
Klenke F. J. Co. ("Diamond K"), 309 Memia, San Francisco, Cal.
Kokomo Brass Works (Self-Scouring Brass Drum & Sanitary Basin), Kokomo, Ind.
Kretschmer Mfg. Co., Dubuque, Ia.
Little M. S. Mfg. Co., 151H New Park av, Hartford, Conn.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
Miller Foundry & Specialty Co. ("Miller's"), N Tonawanda, N. Y.
Modern Iron Wks., Quincy, Ill.
Murphy Specialty Co. ("Murphy"), 90 2nd, Milwaukee, Wis.
Republic Brass & Mfg. Co., 1931 Violet, Los Angeles, Cal.
Sanitary Co., Dept. H, Linfield, Pa.
Sanitas Mfg. Co., 105 Washington, Boston, Mass.
Standard Sanitary Mfg. Co., Bessemer Mass.
Union Metal Works ("A. R. R. C."), Chelsea, Mass.
Weiskittel A. & Son Co. (Bath), 12th & E Lombard, Baltimore, Md.
Wise J. B., Inc., Watertown, N. Y.
Wolverine Brass Works, Grand Rapids, Mich.
Young Jos. H. Co. ("Bay State," "Cambridge," "YCo," "Salem," "Springfield," "Combination"), 82 High, Boston, Mass.

15887— Traps (Bear)

Independent Bridge Co., May bldg, Pittsburgh, Pa.
Triumph Mfg. Co., Inc., 66 W Elm, Oneida, N. Y.

15888-9— Traps (Bell)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Barber Mfg. Co., Ashtabula, O.
Blake Specialty Co., Rock Island, Ill.
Central Brass Mfg. Co., 6206 Cedar, Cleveland, O.
Donley Bros. Co. (The) (Basement), 3625 E 74th, Cleveland, Ohio
See adv index at end of book
Edwardsville Brass Co. (Brass), Edwardsville, Ill.
Fee & Mason, 81 Beekman, New York
Glenn Fred. E., St. Charles, Ill.
Indiana Foundry Co., Dept. H, Indiana, Pa.
Modern Iron Works, Quincy, Ill.
Quinn Wire & Iron Works, Boone, Ia.

15890—Traps (Catch Basin)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Duplex Mfg. & Foundry Co., Elyria, Ohio
Josam Mfg. Co., Michigan City, Ind.
Standard Brass & Iron Works ("Dale"), 1820 St. Paul av, Milwaukee, Wis.
Townsend Fdry. & Machine Shop Co., B'way & Rensselaer, Albany, N. Y.
See adv index at end of book

15891— Traps (Centrifugal)

Ireland & Matthews Mfg. Co., Beard & Chatfield, Detroit, Mich.
Wolverine Brass Works ("Wolverine" Aluminized Cast Iron), Grand Rapids, Mich.

15892— Traps (Drainage)

Acheson Mfg. Co. (Cesspool Only), Rankin, Pa. *See adv index at end of book*
American Fdry. & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Safety Lamp & Mine Supply Co., Scranton, Pa.
Blake Specialty Co., Rock Island, Ill.
Central Foundry Co., 41 E 42nd, New York
Crampton-Farley Brass Co., 221 Main, Kansas City, Mo.
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Detroit Brass & Malleable Works (Cast Iron & Brass for Sinks), 1117 Holden, Detroit, Mich.
Detroit Marvel Brass Mfg. Co. ("Marvel" Adjustable Shower Traps, 1742 Rivard, Detroit, Mich.
Donley Bros. Co. (The), 13935 Miles av, Cleveland, Ohio
Duplex Mfg. & Foundry Co., Elyria, O.
Gillie Mach. Co., Tonawanda, N. Y.
Josam Mfg. Co., Michigan City, Ind.
Kokomo Brass Works (Brass Floor, Drain & Trap), Kokomo, Ind.
Modern Iron Wks., Quincy, Ill.
Prier Brass Mfg. Co. ("Standard" & "Sieben"), 15th & Blue River, Kansas City, Mo.
Sanitary Co. (Cellar & Floor), Dept. H, Linfield, Pa.
Townsend Foundry & Machine Shop Co., Broadway & Rensselaer, Albany, N. Y.
See adv index at end of book

15893-4— Traps (Drum)

Acheson Mfg. Co. (Brass Only), Rankin, Pa. *See adv index at end of book*
American Fdry. & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Blake Specialty Co. (Iron), Rock Island, Ill.
Boston Brass Co. (Lead) 135 Bacon, Waltham, Mass.
Casey-Hedges Co., Chattanooga, Tenn.
Compound Injector & Specialty Co. ("Dehn's," Iron), 419 N Laramie av. Chicago, Ill.
Dearborn Brass Co., Cedar Rapids, Ia.
Detroit Brass & Malleable Works (Cast Iron), 1117 Holden, Detroit, Mich.
DuBois F. M. & Co., 247 9th av, New York
Glenn Fred E (Cast Iron), St. Charles, Ill.
Modern Iron Wks., Quincy, Ill.
Prier Brass Mfg. Co. (Iron & Brass), 15th & Blue River, Kansas City, Mo.
Riverside Foundry & Galvanizing Co., Kalamazoo, Mich.
Sanitary Co. (Cast Iron), Dept. H, Linfield, Pa.
United Lead Co. (Lead), 111 B'way, New York

15895— Traps (Fly)

AMERICAN CAN CO. ("Canco"), 120 B'way, New York.
See adv index at end of book
Avis Hardware Co. ("Avis"), Pomona, Cal.
Bromwell Brush & Wire Goods Co., 612 W. 6th, Cincinnati, O.
Burgess & Norton Mfg. Co. ("Crusader"), Geneva, Ill.
Curry Champion Fly Trap Co., Paducah, Ky.
Hamlin & Russell Mfg. Co., Worcester, Mass.
Heine John F. & Son (Large), Hooper, Neb.
LUDLOW-SAYLOR WIRE CO. ("Perfect"), 600-640 S Newstead av, St. Louis, Mo. *See adv index at end of book*
Meyers Fred J. Mfg. Co. ("Champion," "Globe"), Hamilton, O.
National Enameling & Stamping Co. ("Shur-Katch"), 411 5th av, New York
Northwestern Stamping Co., Burlington, Ia.
Parker Wire Goods Co., Worcester, Mass.
Peoria Can Co. ("Superior" Globe Shape), Peoria, Ill.
Reed Evan L. Mfg. Co. (Sanitary), Tipton, Danville, Ill.
Reynolds Wire Co. ("Harjer," "Champion," "Paragon," "Dixon," "Leader" & "Eagle" Cone Shaped, "Globe," "Acme," "Royal" Balloon Shape), Dixon, Ill.
Stuber & Kuck Co. ("Baby Superior"), Peoria, Ill.
Thompson Co. ("Ezycatch"), Red Oak, Ia.
Wagner Mfg. Co. ("Wagner All-Metal," "Wagner Daisy"), Cedar Falls, Ia.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

Traps (Game)

See Traps, Animal

15896— Traps (Gopher)

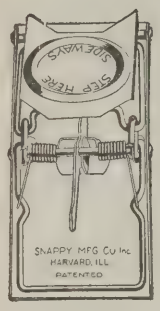
Abingdon Trap Co. ("O. K."), Abingdon, Ill.
Carmichael David, Sacramento, Cal.
Missoula Clutch Trap Co., 106 W Spruce, Missoula, Mont.
Triumph Trap Co., Inc., 66 W Elm, Oneida, N. Y.

15897— Traps (Grease)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
ARMSTRONG MACHINE WORKS, 307 Maple, Three Rivers, Mich.
See adv index at end of book
Barrett Jas. Mfg. Co. ("Barrett"), 117 Pearl, Boston, Mass.
Casey-Hedges Co. ("Chattanoogan"), 25th & Chestnut, Chattanooga, Tenn.
Compound Injector & Specialty Co. ("Dehn" "Acme"), 419 N Laramie av, Chicago, Ill.
Duplex Mfg. & Foundry Co., Elyria, O.
Estabrook's R. Sons ("Estabrook," "Boston" "Franklin"), 202 1st, Boston, Mass.

(*Continued on page 2149*)

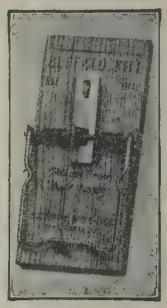
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FOOT SET RAT AND MOUSE TRAPS

Sanitary, Safe, Sure

Made From the Finest Grade Galvanized Steel and Oil Tempered Wire



5 Reasons Why Snappy Traps Are Better Traps:

Easily Set—A mere pressure of the foot sets it ready for action.

Safe—Catch rats and mice and not fingers.

Sensitive—A card dropped on the trigger will cause it to react instantaneously.

Sanitary—Easily sterilized by dipping in hot water, thereby doing away with the scent of the rodent. Another very important sanitary feature is that it is unnecessary to touch the animal after it has been caught, as a slight pressure on the foot plate will release it.



Sure—Made in such a way they have the same point of contact on every side of the jaw. A small ridge at the front of the trap also obviates any chance of the rodent working its way out.

SNAPPY TRAPS CATCH RATS AND MICE, NOT FINGERS

BUFFALO BILL RAT and MOUSE TRAPS

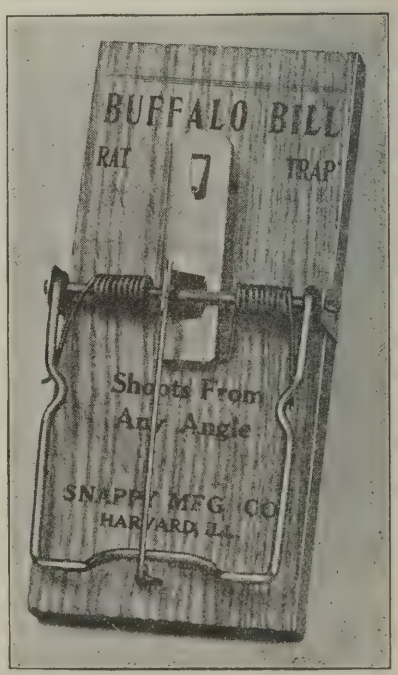
Shoot from any angle. No matter whether animal presses down on trigger, pulls up or to either side, the fast working oil tempered spring and jaw gets him.

As one leading hardware jobber says: **"The only improvement made in Wood Base Rat and Mouse Traps in a century."**

Easier to set and surer to catch than any of the old style wood base traps.

If your dealer or jobber cannot supply you write direct to the manufacturers

Write for Quantity Prices

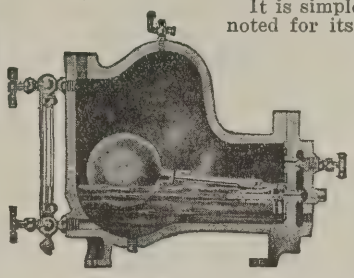


Snappy Manufacturing Company

900 Railroad Street **HARVARD, ILL.**



If you select your Steam Trap as it should be selected—by the size of its discharge orifice, its discharge capacity in gallons per hour—you will select the American Ideal.



American Ideal Steam Trap

The American Ideal Steam Trap is a skillfully designed trap which has thoroughly proven its superiority in many representative plants under varied and severe conditions.

It is simple in design, rugged in construction and is particularly noted for its extraordinary capacity.

Ask for Catalog S-15

American Schaeffer & Budenberg Corporation

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Philadelphia
*Pittsburgh
*Seattle
Salt Lake City

*Stock carried at these branches.

Traps (Grease)—Continued

Haines, Jones & Cadbury Co. ("Hajoca"), 1136 Ridge av, Philadelphia, Pa.
Hoffmann & Billings Mfg. Co., 100-2nd, Milwaukee, Wis.
Kieley & Muller, 34 West 13th, New York
Klenke F. J. Co. ("Diamond K"), Sharon bldg, San Francisco, Cal.
McAlear Mfg. Co., 1901 So. Western av, Chicago, Ill.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
Marsh S. L. ("Marsh" Sanitary Grease Interceptor), 1614 S Flower, Los Angeles, Cal.
Meyer-Sniffen Co. ("Em Ess Tucker"), 11 W 48th, New York
Mott J. L. Iron Works ("Tucker" & "Tobey"), Trenton, N. J.
Nelson N. O. Mfg. Co., 10th & Chestnut, St. Louis, Mo.
Peck Bros. & Co., New Haven, Conn.
Prier Brass Mfg. Co. ("Sieben"), 15th & Blue River, Kansas City, Mo.
Robertson James Lead Co., 827 S Howard, Baltimore, Md.
Rundle Mfg. Co. (Porcelain Enameled Kitchen), 27th & Wahl, Milwaukee, Wis.
Rundle-Spence Mfg. Co., 63 2nd, Milwaukee, Wis.
Sanitas Mfg. Co., ("Sanitas"), 105 Washington, Boston, Mass.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Success Mfg. Co. ("Bolger"), Gloucester, Mass.
Wade Iron Sanitary Mfg. Co., 551 Fulton, Chicago, Ill.
Washington Iron Works ("Washington"), 1141 Mateo, Los Angeles, Cal.
Webster, Warren & Co., Camden, N. J.
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.

15898-9—Traps (Ground Mole)

Heartley Machine, Variety Iron & Tool Works ("Heartley Hold Fast"), 900 Summit, Toedo, O.
Michigan Wire Goods Co. ("Little Giant" Steel & "Reddick"), Niles, Mich.
Rittenhouse J. F., Liberty Mills, Ind.

15900— Traps (Lavatory)

ACHESON MFG. CO., Rankin, Pa.
See adv index at end of book
American Fdry. & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Boston Brass Co. ("McAuliffe" Non-Siphoning), 135 Bacon, Waltham, Mass.
Detroit Brass & Malleable Works, 1117 Holden, Detroit, Mich.
Empire Brass Mfg. Co., 10301 Berea rd., Cleveland, O.
Klenke F. J. Co. ("Diamond K"), 809 Memia, San Francisco, Cal.
Klipstein A. & Co. ("Bemanco"), 644 Greenwich, N. Y.
Little M. S. Mfg. Co., 151H New Park av, Hartford, Conn.
Modern Iron Wks., Quincy, Ill.
Republic Brass & Mfg. Co., 1931 Violet, Los Angeles, Cal.
Rundle Mfg. Co., 27th & Wall, Milwaukee, Wis.
Sanitary Co., Dept. H, Linfield, Pa.
Sanitas Mfg. Co., ("Sanitas" Non-Siphoning), 105 Washington, Boston, Mass.
Standard Brass Mfg. Co., Utica, N. Y.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Weiskittle A. & Sons Co., 12th & E Lombard, Balto., Md.
Wise J. B., Inc., Watertown, N. Y.

15901— Traps (Mercury)

Kennedy-Van Saun Mfg. & Eng. Corp., 50 Church, New York
See adv index at end of book

15902— Traps (Minnow)

Cuba Specialty Mfg. Co. Houghton, N. Y.
McAlear Mfg. Co., 1901 S Western av, Chicago, Ill.
Orvis Chas. F. Co., Manchester, Vt.
St. Charles Net & Hammock Co., St. Charles, Ill.

15902a— Traps (Radiator)

ARMSTRONG MACHINE WORKS, 307 Maple, Three Rivers, Mich.
See adv index at end of book
DUNHAM CO. C. A., 230 E Ohio, Chicago, Ill.
See adv index at end of book
Hoffman Specialty Co. ("Hoffman"), Grand & Field, Waterbury, Conn.
Marsh Jas. P. & Co. (& Specialties), 120 S Clinton, Chicago, Ill.
SARCO CO. INC. ("Sarco"), 14 Park pl, New York
Webster Warren & Co. ("Syiphon," "Webster Syphon" & "Webster No. T"), Camden, N. J.

15903—Traps (Rat & Mouse)

Abingdon Trap Co. ("It," "O. K.," "Ell," "Nox"), Abingdon, Ill.
Animal Trap Co. of America ("Holdfast," "Official," "Out-O-Sight," "Pennsylvania," "Victor," "Wood Choker"), Lititz, Pa.
Automatic Trap Co., 628 W Jackson blvd, Chicago
Bromwell Brush & Wire Goods Co., United Bank bldg, Cincinnati, O.
Burditt & Williams Co., 95 Summer, Boston, Mass.
Darby Edward J. & Son ("French-American"), 319 Vine, Phila., Pa.
See adv index at end of book
Drake A. W. Mfg. Co., Hazleton, Pa.
Gets-Em Mfg. Co., Council Grove, Kans.
Gibbs W. A. & Son, Chester, Pa.
Lovell Mfg. Co. ("Erie," "Star," "Rex," "Dead Easy," "Easy-Setting," "Wood choker," "Sure catch"), Dept. H, Erie, Pa.
Meyers Fred J. Mfg. Co., Hamilton, O.
Missoula Clutch Trap Co., 106 W Spruce, Missoula, Mont.
Parker Wire Goods Co., Worcester, Mass.
Schuyler J. R. & Co., Bloomsburg, Pa.
Shann Mfg. Co. ("Chasse" & "Acme" Patent), Middletown, N. Y.
SNAPPY MFG. CO. (All Metal—Mouse and Rat.
Snappy traps are better traps.
Foot-Set—A mere pressure of the foot making them ready for action.
All Steel—Built to last.
Sanitary—Easily sterilized.
Safe—Catch Rats and Mice, not fingers.
Sure—So sensitive that a business card dropped on the trigger will cause them to close instantaneously.
Buffalo Bill Rat and Mouse traps, wood base, are rapidly displacing the old style wooden traps.
They shoot from any angle.
Easily set, safe and sure.
Write for quantity prices), 900 Railroad, Harvard, Ill.
See adv index at end of book
Washburn Co. (Wire Goods Div.) (Wire & Wood Bottom), 28 Union, Worcester, Mass.
Wolverton Mfg. Co. ("Surprise" Self Setting), Holton, Kansas
Worcester Wire Novelty Co. ("Hold-Em"), Emerson Tower bldg, Baltimore, Md.

15904-5—Traps (Refrigerator)

Central Brass Mfg. Co., 6208 Cedar, Cleveland, O.
Donley Bros. Co. (The), ("Deepseel"), 13935 Miles av, Cleveland, Ohio
See adv index at end of book
Modern Iron Wks., Quincy, Ill.
National Refrigerators & Fixture Co., 827 Koeln av, St. Louis, Mo.
Prier Brass Mfg. Co. ("Standard"), 15th & Blue River, Kansas City, Mo.
Sanitary Co., Dept. H, Linfield, Pa.
Worns & Kemp, 287 W 127th, New York

Traps (Return)

See Traps, Steam

15906— Traps (Sewer Gas)

Barrett Jas. Mfg. Co. ("Barrett"), 117 Pearl, Boston, Mass.
Blake Specialty Co., Rock Island, Ill.
Boston Brass Co. ("B.B."), 135 Bacon, **Waltham, Mass.**
Central Foundry Co. ("Lynn" Drain, etc.), 41 E 42nd, New York
Dececo Co., 157 High, Boston, Mass.
Detroit Sanitary Supply Co. ("Clean **Sweep" Non-Syphoning), 1191 2nd, Detroit, Mich.**
Dubois F. N. & Co. (Anti-Syphon Trap Vent), 247 9th av, New York
Edwardsville Brass Co., Edwardsville, Ill.
Federal-Huber Co. ("Protector," Non-Syphoning), 234 N Halsted, Chicago, Ill.
Jenkins Mfg. Co. ("Sanos"), Bloomfield, N. J.
McAuley Automatic Trap Co., Imperial Power bldg, Pittsburgh, Pa.
Modern Iron Wks., Quincy, Ill.
Mott J. L. Iron Works, Trenton, N. J.
Park & McKay, 55 Bagley av, Detroit, Mich.
Providence Steam Trap Co. (Lead & Brass), 16 Diamond, Providence, R. I.
Sproul & McGurrin Co. ("Excelsior" Grease Traps), Grand Rapids, Mich.
Stary Frank & Sons, Cedar Rapids, Ia.
Townsend Foundry & Machine Shop Co. (For Street Receiving Basins), Broadway & Rennselaer, Albany, N. Y.
See adv index at end of book
Winner Co., 30 Church, New York

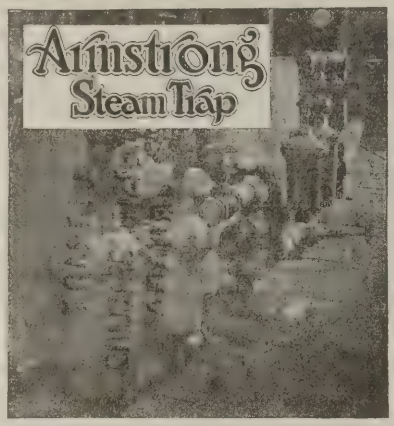
15907—Traps (Sewer, Tide & Back Water)

Barrett Jas. Mfg. Co. ("Barrett"), 117 Pearl, Boston, Mass.
Blake Specialty Co., Rock Island, Ill.
Boston Brass Co. ("Acme" "McAuliffe" "Non-Siphoning), 135 Bacon, Waltham, Mass.
Casey-Hedges Co. ("Chattanoogan"), 25th & Chestnut, Chattanooga, Tenn.
Modern Iron Wks., Quincy, Ill.

15908— Traps (Steam)

Acheson Mfg. Co., Rankin, Pa.
See adv index at end of book
Albany Steam Trap Co. ("Blessing"), Albany, N. Y
Alert Pipe & Supply Co. (Jobbers), 1001 N Water, Bay City, Mich.
Am. Blower Co. ("Detroit"), 6004 Russell, Detroit, Mich.
American District Steam Co. ("Empire," "American"), N Tonawanda, N. Y.
American Fdry. & Mfg. Co., 11th & Hebert, St. Louis, Mo.
AMERICAN SCHAEFFER & BUDENBERG CORP., Berry & S 6th, Brooklyn, N. Y. *See adv index at end of book*
ANDERSON V. D. CO. ("Anderson"), W 96th, Cleveland, O.
See adv index at end of book
Armstrong Machine Wks. (Also Vacuum), 307 Maple, Three Rivers, Mich.
See adv index at end of book

(Continued on following page)



A steam trap that's different and better

ONE of the most widely used traps in the world. Water or steam entering patented inverted submerged bucket from below causes bucket to rise or fall, opening and closing valve through powerful leverage system. For pressures from 0 to 300 lb., for vacuum, and for oil. Heavy duty trap for high pressure and superheat. Special trap for pulsating pressure. Valve replacements seldom necessary.

Ask for free catalog or about 90-day free test plan



Valve open; trap discharging

HCR-F-RTG

1 *Will not air bind*
2 *Self cleaning*
3 *Quick acting*
4 *Little wear on valves*
5 *Greater capacity*
6 *Small size; low cost*

Armstrong Machine Works *307 Maple Street Three Rivers, Michigan*

Traps (Steam)—Continued

Armstrong Wolfe Zimmerman Co. (Dlrs), 1st av & Market, Pittsburgh, Pa.
Atwood & Morrill ("XXth Century"), 48 Loring av, Salem, Mass.
Automatic Steam Trap & Specialty Co. ("Barton" Expansion), 316 Harper av, Detroit, Mich.
Barton John W. ("Barton"), 2707 Vestry av, Cleveland, O.
Berry Engineering Co., Chester, Pa.
Bishop & Babcock Co. ("B. & B."), 1204 E 35th, Cleveland, Ohio
Boston Machine Works Co., Lynn, Mass.
Burrows F. A. Mfg. Co., York, Pa.
Central Station Steam Co., 710 Woodbridge, Detroit, Mich.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Consolidated Car Heating Co., Dept. H, Albany, N. Y.
CRANE CO., 836 S Michigan av, Chicago, Ill. *See adv index at end of book*
DAVIS G. M. REGULATOR CO., 434 Milwaukee av, Chicago, Ill.
D'Este Julian Co. ("Curtis" Expansion, Return, Balanced, Bucket, etc.), 26 Canal, Boston, Mass.
Dunham Co., C. A., 230 E Ohio, Chicago, Ill. *See adv index at end of book*
Elliot Co., Dept. H, Jeanette, Pa.
Farnsworth Co., Norristown, Pa.
Flinn, Richard J., West Roxbury Station, Boston, Mass.
Fogarty James H., 95 Liberty, New York
Ford Thos. P. Co. (Compound), 407 Broome, New York
Foskett & Bishop Co. ("Fosket & Bishop"), New Haven, Conn.
Garratt W. T. & Co. ("McKellar"), 299 Fremont, San Francisco, Cal.
Glenn Mfg. Co. ("Nason"), St. Charles, Ill.
Glover Bros. ("John Glover," "Jones"), Paul & Vandyke, Phila., Pa.
Gold Car Heating & Lighting Co. (Steam Traps for Heating Systems), 17 Battery pl, New York
Golden-Anderson Valve Specialty Co. ("Golden" Tilting), Fulton bldg, Pittsburgh, Pa.
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
Haines William S. & Co. ("Heintz"), 12th & Buttonwood, Phila, Pa.
Hennebohle, Frank, 31st & S Chicago av, Chicago, Ill.
Hoffman B. Mfg. Co. ("Hoffmann" "Nason Pattern"), 257H 6th, Milwaukee, Wis.
Hoffman Specialty Co. ("Hoffman" Thermostatic), Grand & Field, Waterbury, Conn.
Hornung J. C., 343 S Dearborn, Chicago, Ill.
Hughson Steam Spec. Co. ("Eclipse"), W 21st & S Racine av, Chicago, Ill.
Hussey, McCann & Co. ("Peerless"), 37 Warren, New York
Huyette Paul B. Co. ("Reliance'") 5H S 18th, Phila., Pa.
Illinois Engineering Co. ("Eclipse"), W 21st & S Racine avs, Chicago, Ill.
Jenkins Bros. ("Diamond"), 80 White, New York
See adv index at end of book
Johnston Robt. C. & Co. ("Smith"), 620 Lodge, Cincinnati, O.
Keeble Alex K., Lawrence, Mass.
Kelly-Derby Co., 321 N Crawford, Chicago, Ill.
Kelly & Jones Co. The, Greensburg, Pa. *See adv index at end of book*
Kieley & Mueller ("Standard" & "Champion"), 34 W 13th, New York
Kitts Mfg. Co., Oswego, N. Y.
Kitts Steam Specialty Co., Oswego, N. Y.
Klipfel Mfg. Co. ("K. & T."), 3651 W Harrison, Chicago, Ill.
Lawler Regulator Co. ("Lawler's," "Empire" & "Monitor," "Lawler's" Duplex & Return Trap), 453 N Railroad av, Mt. Vernon, N. Y.
Lawler Water Feed & Damper Regulator Co., 435 N Railroad av, Mt. Vernon, N. Y.
Linton Machine Co. ("Komo"), 101 Park av, New York
Lytton Mfg. Corp. ("Lytton" Separating; also Return & Vacuum), Franklin, Va.
McAlear Mfg. Co., 1901 So. Western av, Chicago, Ill.
McAuley Automatic Trap Co. ("McAuley" Automatic), Imperial Power bldg, Pittsburgh, Pa.
McNab & Harlin Mfg. Co., Paterson, N. J.
Marsh Jas. P. & Co. ("Original Reflux," "Reflux Junior," "Reflux Forty," "Marsh Blast" Vacuum), 120 S Clinton, Chicago, Ill.
Mitchell W. K. & Co. ("Denny" High & Low Pressure), 2940 Ellsworth, Philadelphia, Pa.
Monash-Younker Co. ("Mo-Yo-Co," "Fidelity" & "Monash" Low-Pressure), 551 W Monroe, Chicago, Ill.
Morehead Mfg. Co. ("Morehead" Non-Return, Return, Vacuum & Condenser), Detroit, Mich.
Mott J. L. Iron Works ("Tobey"), Trenton, N. J.
Mushet W. E. Co., 700 2d, San Francisco, Cal.
Nashua Machine Co. ("Bundy"), Nashua, N. H.
NASON MFG. CO. (Nason and Vesuvius, the Original and the Best), 71 Fulton, New York
See adv index at end of book

Steam Traps

Nason Class B, Class C and Sidelug and Vesuvius Steam Traps for all pressure conditions to 250 lbs. We have led the world as steam trap manufacturers for 85 years.

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71 Fulton St., New York

National Supply Co., Toledo, O.
Nichols E. M. ("Handy"), 212 W Washington sq, Phila., Pa.
NICHOLSON W. H. & CO. ("Wyoming" & "Nicholson" Expansion), Wilkes-Barre, Pa.
Ocean Shore Iron Wks. (Return), 550 8th, San Francisco, Cal.
Ofeldt Gas Fired Boiler Co., Inc., Nyack, N. Y.
Pancoast Henry B. Co., ("Barr's"), 950 N. Front, Phila., Pa.
PATTERSON KELLEY CO., 804 Architects bldg, New York
See adv index at end of book
Paul Andrew G. Co. ("Paul"), 141H Milk, Boston, Mass.
Pearce W. H. & Co. ("Crescent"), 115 S Dearborn, Chicago, Ill.
Pitts & Kitts Mfg. & Supply Co., 342 Madison av, New York
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
POWERS REGULATOR CO. (High Pressure), 2773 Greenview av, Chicago, Ill.
See adv index at end of book

Powers H. P. Steam Traps—
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2773 Greenview Avenue Chicago

Pratt & Cady Co. ("Pratt" Return), Hartford, Conn.
Providence Steam Trap Co. ("Newton"), 16 Diamond, Providence, R. I.
Reliance Gauge Column Co. ("Reliance"), Cleveland, O.
Robertson Jno. F. Co. ("Little Giant" "R-P"), Park bldg, Pittsburgh, Pa.
Rutzler Enoch Co. (Automatic), 404 E 49th, New York
S. C. Regulator Mfg. Co. ("S. C." Receiver Drainage Control), Fostoria, Ohio
SARCO CO. INC. ("Sarco"), 14 Park pl, New York
Shaw Benj. F. Co., Wilmington, Del.
Squires C. E. Co. ("Genuine Squires"), 3934 Kelly av, Cleveland, O.
Standard Steam Specialty Co. ("Anderson"), 366 3rd av, New York
Strong, Carlisle & Hammond Co. ("Strong"), 1394 W 3rd, Cleveland, O.
Sturtevant B. F. Co. ("Flynn," "Sturvant"), 15 Damon, Hyde Park, Boston, Mass.
Swartwout Co. ("Swartwout"), 18515 Euclid av, Cleveland, Ohio
Tagliabue C. J. Mfg. Co., 18 33d, Brooklyn, N. Y.
Taylor Machine Works, Battle Creek, Mich.
Templeton Mfg. Co. ("Sterling"), Dept. H, Hyde Park, Mass.
Thurtell B. W., 22 Quincy, Chicago, Ill.
Tillotson Humidifier Co. ("Ideal"), 78 Fountain, Providence, R. I.
Vance Engineering Co. ("Vance"), Phipps Power bldg, Pittsburgh, Pa.
Walworth Mfg. Co., Boston, Mass.
Watson & McDaniel Co. ("McDaniel," "Chapman," "Columbia"), 140 N 7th, Phila., Pa.
Webster Warren & Co., Camden, N. J.
Western Kieley Steam Specialty Co. ("Boylston" Improved), 116 W Illinois, Chicago, Ill.
Williams D. T. Valve Co. ("Cookson"), Cincinnati, O.
Williams Gauge Co. ("Williams" Steam Operated), 543 4th av, Pittsburgh, Pa.
Winner Co. ("Winner"), 30 Church, New York
Wright-Austin Co. ("Austin," "Wright," "Emergency" High Pressure & "Victor" Low Pressure), 315H Woodbridge, W, Detroit, Mich.

15909—Traps (Steam, Railway)

McAlear Mfg. Co., 1901 So. Western av, Chicago, Ill.
Vapor Car Heating Co., 1450 Railway Exchange, Chicago, Ill.
Williams D. T. Valve Co., Cincinnati, O.

15910-11— Traps (Stench)

Acheson Mfg. Co. (Brass Only), Rankin, Pa. *See adv index at end of book*
American Fdry. & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Glenn Fred E. ("Dunstan"), St. Charles, Ill.

Union Metal Works ("A. R. R. C."), Chelsea, Mass.
Weiskittel A. & Son Co., 12th & E Lombard, Baltimore, Md.

Traps (Vacuum)
See Traps, Steam

15912— Traps (Waste)
ACHESON MFG. CO., Rankin, Pa.
See adv index at end of book
Boston Brass Co. ("McAuliffe" Non-Siphoning"), 135 Bacon, Waltham, Mass.
Dearborn Brass Co., Cedar Rapids, Ia.
Elgin Brass Co., 207 Pearl, New York
Greenwood Mfg. Co. (Sink), 5140H Greenwood, Detroit, Mich.
Union Metal Works, Chelsea, Mass.
Weiskittel A. & Son Co., 12th & E Lombard, Baltimore, Md.
Winner Co., 30 Church, New York
Young Joseph H. Co. ("Bay State," "Cambridge," "YCo." "Salem," "Springfield"), 82 High, Boston, Mass

15913— Traps & Targets (Trap Shooting)
Chamberlin Cartridge & Target Co. ("Blue Rock," "Legett"), 514 Prospect av, Cleveland, O.
Western Cartridge Co., East Alton, Ill.

15914— Travelers (Ferry)
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y.
See adv index at end of book

15915—Traveling Bags & Suit Cases
See also Trunk Manufacturers
Abel & Bach Co., Milwaukee, Wis.
Ahlswede A. C. Mfg. Co., 638 E 22d, Los Angeles, Cal.
Am. Suit Case Mfg. Co., 17 Walker, New York City
Barnum Trunk Co., 804 Nicollet, Minneapolis, Minn.
Bay Cities Bag Mfg. Co. (Boston), 1250 E 12th, Oakland, Cal.
Boyle John & Co., 112H Duane, New York
Brooklyn Suit Case Mfg. Co., 936 De Kalb av, Brooklyn, N. Y.
Canvas Leather Specialty Co. (Leather), 757 Cass, Trenton, N. J.
Cleveland Leather Goods Co., 28 Noble, ct, Cleveland, O.
Crane Bros., Westfield, Mass.
Cross Mark Co. (Leather), 175 B'way, New York
Crouch & Fitzgerald, 417 W 28th, New York
Deitsch Bros., 135 Madison av, New York
Dresner S. & Sons, 500 Peoria, Chicago, Ill.
Dresner & Wein, 147 W Austin av, Chicago, Ill.
Eau Claire Trunk Co., Eau Claire, Wis.
Eichenbusch J. W. Co., 120 Ann, Chicago, Ill.
Excelsior Traveling Goods Co., 211 N Carpenter, Chicago, Ill.
Excelsior Trunk Co., 704 Delaware, Kansas City, Mo.
Fibre Specialty Mfg. Co., Kennett Square, Pa.
Flour City Trunk Co., 115 2d av S E, Minneapolis, Minn.
Galewski David, 1133 B'way, New York
Galewski S., 321 B'way, New York
Hahn A. & Co., 245 7th av, New York
Hartmann Trunk Co., 626 S Michigan av, Chicago, Ill.
Haskell Bros., 165 W Green, Chicago, Ill.
Hirschfelder & Meaney, 36 Battery, San Francisco, Cal.
Horton & Hubbard Mfg. Co., Somerville, Mass.
Imperial Leather Mfg. Co., 847 W Harrison, Chicago, Ill.
Katz Bros, Leather Goods Co., 135 W 20th, New York
Kaufmann K. & Co., 169 Murray, Newark, N. J.
Kennebunk Mfg. Co. (Traveling, Extension, School, Laundry, Sample, etc), Milton, N. H.
Keystone Solether Corp. (Synthetic Bags), 320 Broadway, New York
Lichtenstein Bros., 1074 Folsom, San Francisco, Cal.
Likly Henry & Co., Rochester, N. Y.
Lust Wm., 927 Van Ness av, San Francisco, Cal.
Mack Henry, 104 Prospect, Jersey City, N. J.
Maier Martin & Co., 532 Woodward, Detroit, Mich.
Malm C. A., & Co., 2139 Folsom, San Francisco, Cal.
Mashek Frank & Co., 1914 Milwaukee, Chicago
Mayer Max, 10th & Cherry, Phila., Pa.
Murphy P. C. Trunk Co., 506 N 3rd, St. Louis, Mo.
Multnomah Trunk & Bag Co., 192 Thompson, Portland, Ore.
National Veneer Products Co., Mishawaka, Ind.
Newark Leather Goods Works, 26 Division pl, Newark, N. J.
New England Trunk Co., 26 Chauncy, Boston, Mass.
Nobbe Kaphan Co., 62 Liberty, Newark, N. J.
Pacific Trunk & Bag Co., 592 Howard, San Francisco, Cal.
Pfisterer C. G., 800 E Jefferson, Los Angeles, Cal.
Phila. Leather Goods Co., Broad & Wallace, Philadelphia, Pa.
Rappeport R. E., 1700 W Monroe, Chicago, Ill.
Reed Edward E., Somerville, Mass.
Reynolds Leather Goods Co., Putnam, Conn.
Ries & Hoelzel (Leather Bags Only), 636 Race, Phila., Pa.
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
See adv index at end of book
Rosenson D. & Sons Co., 1600 Baronne, New Orleans, La.
St. Louis Leather Goods Co., 720 Olive, St. Louis, Mo.
Schmicki F., 373 B'way, New York
Schmit Trunk & Bag Co., Oshkosh, Wis.
Seattle Suit Case Trunk & Bag Mfg. Co., 212 2d, Seattle, Wash.
Seward Trunk & Bag Co., Petersburg, Va.
South Bros. Trunk Co., 3025H Franklin, Waco, Texas.
Travelight Mfg. Co. ("Travelight"), 410 N 3rd, Phila., Pa.
United Suit Case Co., 1345 5th av, Pittsburgh, Pa.
University Bag Co., 165 Oliver, Boston, Mass.
Warren Leather Goods Co., 82 Austin, Worcester, Mass.
Weingarten & Geberer, 90 Grand, New York
White F. H. Co., 6th & Filbert, Philadelphia, Pa.
Wilt Chas. T., 173 W Madison, Chicago, Ill.
Zick Joseph, Rochester, N. Y.

15916— Trays (Aluminum)
Aluminum Goods Mfg. Co., Manitowoc, Wis.
Breese Bros. Co. (The), 2349 Rading rd, Cincinnati, O.
Standard Aluminum Co., Two Rivers, Wis.
Wagner Mfg. Co (Cast Aluminum), Dept. H, Sidney, O.
York Heating & Ventilating Corp., Mill, Bridgeport, Pa.

15917— Trays (Ash)
Carr M. W. & Co., West, Somerville, Mass.
Cig-Ash-Ador Co. ("Cig-Ash-Ador" Smokers' Stand), 960 Mission, San Francisco, Cal.
Dent Hardware Co., Fulkerton, Pa.
Fidelity Can Co., 600H S Caroline, Baltimore, Md.
Metal Package Corp. of N. Y., 110 E 42nd, New York *See adv index at end of book*
Portland Metal Spinning Works, 283 Hawthorne av, Portland, Ore.
Silver & Co., 304 Hewes, B'klyn, N. Y.
Spielman Elec. Co. ("Seco"), 311 W 59th, New York
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book
Wilmort Mfg. Co. ("Wilmort"), 423 S Green, Chicago, Ill.

15918— Trays (Brass)
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
Knapp Mfg. & Supply Co. (Bar, Candy, etc), 241 Water, New York.
New York Stamping Co. ("Empress" Table), N 11th & Berry, Brooklyn, N. Y.
Ray Geo. A. Mfg. Co. (Also Nickel Plated), 1495 Niagara, Buffalo, N. Y.
Sweeney W. H. Mfg. Co. (All Styles), 30 Main, Brooklyn, N. Y.

15918a—Trays (Card, Index & Transfer)
WEIS MFG. CO., THE, Monroe, Mich.
See adv index at end of book

15919— Trays (Cast Iron)
Clow James B. & Sons, Franklin & Harrison, Chicago, Ill.
U. S. Cast Iron Pipe & Foundry Co., Burlington, N. J.
Wagner Mfg. Co. ("Wagner Ware"), Sidney, Ohio
Warren Fdry. & Pipe Co., 11 Broadway, New York

Trays (Chopping, Wood)
See Bowls, Wood

15919a— Trays (Counter)
Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
New England Box Co., 104 E 42nd, New York *See adv index at end of book*
Vitreus Enameling Corporation, 6800 Grant av, Cleveland, Ohio
See adv index at end of book

15919a1—Trays (Desk Drawer)
Globe-Wernicke Co., 25 Carthage av, Cincinnati, O.
See adv index at end of book

15919b— *Trays-Developing (Vitreous Enameled)
Metal Package Corp. of N. Y., 110 E 42nd, New York *See adv index at end of book*
Vitreous Enameling Corporation, 6800 Grant av, Cleveland, Ohio
See adv index at end of book

15919b1—Trays (Developing, Monel Metal)
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Sholes, Inc., 186 Lafayette, New York

15919c—*Trays-Drying (Vitreous Enameled)
Vitreous Enameling Corporation, 6800 Grant av, Cleveland, Ohio
See adv index at end of book

15919d—*Trays (Enameled)
Co-operative Foundry Co., Rochester, N. Y.
Vitreous Enameling Corporation, 6800 Grant av, Cleveland, Ohio
See adv index at end of book

15919e—*Trays—Evaporating (Vitreous Enameled)
Vitreous Enameling Corporation, 6800 Grant av, Cleveland, Ohio
See adv index at end of book

15919f— Trays (Fibre)
Cordley & Hayes (Ice Water Pitcher & Hotel), 32 Leonard, New York
See adv index at end of book
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
Paraffin Co.'s, Inc., 475 Brannan, San Francisco, Cal.
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
See adv index at end of book
Wonder Spool Co. (Wire), 13H Wormwood, Boston, Mass.

15919g— Trays (Glass)
Corning Glass Works, Corning, New York

15920—Trays (Gold & Silver Plated)
Weidlich Bros. Mfg. Co., Conn. av & Florence, Bridgeport, Conn.

15921—Trays (Hard Rubber)
Tyer Rubber Co., Andover, Mass.

15921a— Trays (Jewelry)
Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
See adv index at end of book
Chicago Plush & Leather Case Co., 110 N Franklin, Chicago, Ill.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Jewelry Displaying & Box Novelty Co., 21 Ritch, San Francsco, Cal.
New England Box Co., 104 E 42nd, New York *See adv index at end of book*

15922—Trays (Knife & Fork)
Chapman-Sargent Co. (Wood), Piqua, Ohio
Thurnauer G. M. Co., 6 E 20th, New York
Tucker & Dorsey Mfg. Co., E State & Bates, Indianapolis, Ind.

15923— Trays (Letter)
Barbee Wire & Iron Works (Wire), Lafayette, Ind.
Erie Art Metal Co., Erie, Pa.
Globe-Wernicke Co. (The), 25 Carthage av, Cincinnati, Ohio
See adv index at end of book
Meyers Fred J. Mfg. Co., Hamilton, O.
New England Box Co., 104 E 42nd, New York *See adv index at end of book*
Progressive Wire Goods Co. (Wire), Williamstown, Pa.
Standard Wire Co. ("Standard" Wire), New Castle, Pa.
Union Steel Products Co., Ltd. ("Union"), Albion, Mich.
Washburn Co. (Andrews Division), Preston, Rockford, Ill.
WEIS MFG. CO., THE (Desk), Monroe, Mich.
See adv index at end of book
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Worcester Wire Novelty Co., Emerson Tower bldg, Baltimore, Md.

15924—Trays (Litho. Metal)

Metal Package Corp. of N. Y., 110 E 42nd, New York *See adv index at end of book*
Shonk Chas. W. Co., Maywood, Ill.

15924a— Trays (Pen)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
New England Box Co., 104 E 42nd, New York *See adv index at end of book*

15924b—*Trays (Perforated Vitreous Enameled)

Vitreous Enameling Corp., 6800 Grant av, Cleveland, Ohio
See adv index at end of book

15924c— Trays (Pin)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
New England Box Co., 104 E 42nd, New York *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland Boston, Mass. *See adv index at end of book*

15925— Trays (Serving)

Borin Mfg. Co., 837 So. Western av, Chicago, Ill.
Farber S. W., 147 S 5th, Brooklyn, N. Y.
Fidelity Can Co. (Round Tea Trays), 600H S Caroline, Baltimore, Md.
See adv index at end of book
Metal Package Corp. of N. Y., 110 E 42nd, New York *See adv index at end of book*
Schiebe E. F., Somerville, Mass.
Silver & Co. (Brass, Glass & Wood), 304 Hewes, B'klyn, N. Y.
Vitreous Enameling Corporation, 6800 Grant av, Cleveland, Ohio
See adv index at end of book

15926— Trays (Steaming)

Clark W. J. Co., Salem, O.

15927— Trays (Wooden)

Anderson Box & Basket Co. (Bakers' Pie & Cake), Henderson, Ky.
Bogert & Hopper, Inc. (Starch), 57 Barclay, New York.
See adv index at end of book
ESTES E. B. & SONS (Counter, Pen, Pin, Jewelry, Starch, etc.), 364 5th av, New York *See adv index at end of book*
New England Box Co., 104 E 42nd, New York
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

15928—Treadles (Foot Power)

Goodell-Pratt Co., Greenfield, Mass.
Hardinge Bros. Inc. (Automatic Locking), 1770 Bertau av, Chicago, Ill.
Shawmut Machinery Co., 83 Lincoln, Boston, Mass.

15929—Treads (Dog Power)

See also Horse Powers

Dobson Mfg. Co., Rockford, Ill.
Gowanda Agricultural Works, Gowanda, N. Y.
McDermaid J., Rockford, Ill.

15930-1—Treads (Push Button Floor)

Ansonia Electrical Co. ("Daisy"), Ansonia, Conn.
Renim Specialty Co. ("Ideal"), Brighton, Boston, Mass.

15932—Treaters (Smut & Seed)

Allert C., Ritzville, Wash.
New Liberty Washing Machine Co. ("Advance," "Cyclone," "Hart"), St. Paul Minn.

15932a—Tree Guards (Wire & Wrought Iron)

Brown H. L. Fence & Mfg. Co., Oakley, Cincinnati, Ohio
Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y. *See adv index at end of book*
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Dufur & Co., 311 N Howard, Baltimore, Md.
Galbraith C. C. & Son, 117 West, New York

15933-4— Treenails

Galbraith C. C. Son, 117H West, New York.
Hoskins J. S. Lumber Mfg. Co. ("Locust" for Ship Purposes), 1400 Hearst Tower bldg, Baltimore, Md.
Nashua Spool & Bobbin Co. (Locust & Oak), **Grove Hall Station, Boston, Mass.**

15935—Trestles (Painters' & Masons')

Berg John Mfg. Co., 5001 S Wells, Chicago, Ill.
Davenport Ladder Co., Davenport, Ia.
Frizell Ladder Co., 135 Granite av, Boston, Mass.
Goshen Mfg. Co., Goshen, Ind.
Haskins J. S. Lumber Mfg. Co. ("Locust" for Ship Purposes), Md. Casualty Tower, Baltimore, Md.
Kramer-Bissell Co. Inc., 6259H Duwamish av, Seattle, Wash.
Krewson T. C., 301 Master, Phila., Pa.
Moulton C. W. H. Co., Somerville, Mass.
Reilley Bros. Ladder Co., 324 W 41st, New York
Rich Pump Co., South & Depot, Cincinnati, Ohio
Steel Scaffolding Co., Evansville, Ind.
Young Bros. Co., 2 Brooks, Worcester, Mass.

15936-7—Trestles (Shaft Hanging)

Portland Extension Ladder & Pole Co. ("Excelsior" Folding Extension Trestle or Scaffold Horse), 130 Orange, Newark, N. J.

15938—Trestles (Steel Frame)

Kramer-Bissell Co. Inc., 6259H Duwamish av, Seattle, Wash.
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book

15939— Triangles

Brown & Sharpe Mfg. Co. (Steel), Providence, R. I.
Defiance Mfg. Co., 384-6 B'way, New York
Disston Henry & Sons (Steel), Tacony, Phila., Pa.
Elliott B. K. Co. 126 6th, Pittsburgh, Pa.
Hallett Iron Works, Harvey, Ill.
Keuffel & Esser Co., Hoboken, N. J.
Mound Tool Co. ("Mound"), 1203 S 7th, St. Louis, Mo.
Weber Co., F., 1220 Buttonwood, Phila., Pa.

15940—Triangles (Line Wire)

Hallett Iron Works, Harvey, Ill.

Triers

See Tryers

15941— Tribromphenol

Dow Chemical Co., Midland, Mich.
Wagner Mfg Co. (Cooking Utensils), Dept. H, Sidney, O.

15941a—Trichloronaphthalene

Halowax Corp., 247 Park av, New York

15942—Trimmers (Bolt Head)

BLISS CO., E. W., 53rd & 1st av, Brooklyn, N. Y.
See adv index at end of book
Manville E. J. Machine Co., Waterbury, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

15943— Trimmers (Hedge)

American Axe & Tool Co., Glassport, Pa.
Disston Hy. & Sons, Tacony, Phila., Pa.
Stearns E. C. & Co. (Or Lawn), 450 Oneida, Syracuse, N. Y.

Trimmers (Hoof)

See Parers, Hoof

15944—Trimmers (Lamp Wick)

Graef & Schmidt ("Twin-Brand" Imp.), 107 Chambers, New York
Ives H. B. Co. ("Barnard"), New Haven, Conn.

15945— Trimmers (Lawn)

Chadborn & Coldwell Mfg. Co. ("C. & C."), Newburgh, N. Y.
Coldwell Lawn Mower Co., Newburgh, N. Y.
Granite State Mowing Machine Co. ("Capitol" Lawn Mower Pattern), Hinsdale, N. H.
Imperial Bit & Snap Co. ("Imperial"), Racine, Wis.
Miller & Gleason ("Miller 3 in 1"), Olean, N. Y.
Northwestern Stamping Co. ("N. W."), Burlington, Ia.
Osmundson Spade Mfg. Co. ("Hawkeye" "Edgar"), Perry, Ia.
Phila. Lawn Mower Co. ("Philadelphia"), 3101 Chestnut, Phila., Pa.
Supplee-Biddle Hardware Co. ("Pennsylvania" Ball Bearing), 510 Commerce, Phila., Pa.
Townsend S. P. & Co., Orange, N. J.

15946—Trimmers (Linseed & Cottonseed Cake)

French Oil Mill Machinery Co., Piqua, O.

15947— Trimmers (Lumber)

Allis Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Sawmill Machinery Co. ("American"), Hackettstown, N. J.
Clark Bros. Co., Olean, N. Y.
De Loach Mill Mfg. Co., 318 Carter, Chattanooga, Tenn.
Diamond Iron Works ("Diamond" & "Harmon"), 2nd & 18th av, **Minneapolis, Minn.**
Enterprise Co., Columbiana, O.
Filer & Stowell Co., Milwaukee, Wis.
Garland M. Co., Bay City, Mich.
Gordon Hollow Blast Grate Co. ("Tower"), Greenville, Mich.
Henderson W. K. Iron Works & Supply Co., Shreveport, La.
Howell R. R. & Co., 31st av, Minneapolis Minn.
Lane Mfg. Co., Montpelier, Vt.
Murray D. J. Mfg. Co., Wausau, Wis.
Phoenix Mfg. Co., Eau Claire, Wis.
Southern Engine & Boiler Mfg. Co., Jackson, Tenn.
Standard Saw Mill Machinery Co., Erie, Pa.
Stearns Co., Erie, Pa.
Stellman L. H. & Son, Brattleboro, Vt.
Sumner Iron Wks., Everett, Wash.
Union Iron Works, Bangor, Me.
United States Machine Co., Williamsport, Pa.
Wheland Co., W Side & 27th, Chattanooga, Tenn.

15948—Trimmers (Paper Hangers')

See also Tools, Paper Hangers

Allen A. & Co. ("Climax," "Eclipse," "Triumph," "Keystone" Hand & Power), 2001 Carpenter, Phila., Pa.
Bullock Mfg. Association, Springfield, Mass.
Ridgely Trimmer Co., Springfield, O.

15949-50—Trimmers (Photograph)

Fletcher, Terry Co., Forrestville, Conn.
Jacques John & Son, 93 Webster, Worcester, Mass.
Monce S. G. Unionville, Conn.

15951— Trimmers (Slate)

Ruggles Machine Co., Poultney, Vt.

15952-3—Trimmers (Spoke)

See also Pointers

Artistic Bronze Co., Bridgeport, Conn.
Beereis & Bossick Co., Div. of **The Bossick Co., Bridgeport, Conn.**
Brainerd Mfg. Co., East Rochester, N. Y.
Ellison Brass Mfg. Co., Jamestown, N. Y.
Frost C. L. & Son, **Grand Rapids, Mich.**
Grand Rapids Brass Co. (Metal Escutcheons, Knobs, Pulls, Hinges, etc.). Grand Rapids, Mich.
Ives W. A. Mfg. Co. ("Ives"), Wallingford, Conn.
Keeler Brass Co., Grand Rapids, Mich.
Knape & Vogt Mfg. Co., Grand Rapids, Mich.
Millers Falls Co. ("Millers Falls"), Dept. H, Millers Falls, Mass.
National Lock Co. (Brass & Plate), Rockford, Ill.
Novelty Mfg. Co., (Metal), Waterbury, Conn.
Schlegel Mfg. Co., Rochester, N. Y.

15954— Trimmers (Tree)

See also Shears, Pruning

Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Klein Mathias & Sons ("Klein's"), 3200 Belmont av, Chicago, Ill.
Smith Seymour & Son, Oakville, Conn.

Trimmers (Wall Paper)

See Trimmers, Paper Hangers

15955—Trimmings (Bedstead)

American Ring Co., Waterbury, Conn.
Pritchard Stamping Co. (Brass), Rochester, N. Y.
Riley-Klotz Mfg. Co., 17 Mulberry, Newark, N. J.
Waterbury Mfg. Co., Division Chase Companies, Inc., Waterbury, Conn.

15955a— *Trimmings (Blind)

Stanley Works, New Britain, Conn.

15956—Trimmings (Boat & Launch)

Detroit Arch'l Iron Works Co., Book bldg, Detroit, Mich.
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Liberty Brass Works, 305 W Lombard, Baltimore, Md.
Minneapolis Brass & Iron Mfg. Co., 115 N 9th, Minneapolis, Minn.
Twentieth Century Brass Works Co., 514 5th av S, Minneapolis, Minn.

15956a—Trimmings (Boot & Shoe)

DU PONT E. I. DE NEMOURS & CO. INC., Fabrikoid Div. ("Fabrikoid"), Newburgh, N. Y.
See adv index at end of book

15957— Trimmings (Casket)

Elgin Silver Plate Co., Elgin, Ill.
Imperial Carving Co., Allegan, Mich.
International Silver Co., Meriden, Conn.
Rogers Silver Co., Westfield, Mass.
Schlegel Mfg. Co., 277 N Goodman, Rochester, N. Y.
Syracuse Ornamental Co., Syracuse, N. Y.
Vogt Mfg. Corp., Dept. H, Rochester, N. Y.
Westfield Plate Co., Thompsonville, Conn.

15958—Trimmings (Fancy Box)

Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Riley-Klotz Mfg. Co., 17 Mulberry, Newark, N. J.
Stimpson Edw. B. Co. (Also for Cigar Boxes), 68 Franklin av, Brooklyn, N.Y.

15959—Trimmings (Furniture)

American Ring Co. (Brass), Waterbury, Conn.
Bassick Co., 28H Austin, Bridgeport, Conn.
Beehler Steel Products Co., 1449 N 13th, St. Louis, Mo.
See adv index at end of book
Beereis & Bossick Co. Div. of The Bossick Co., Bridgeport, Conn.
Brainerd Mfg. Co., East Rochester, N. Y.
Frost C. L. & Son, Grand Rapids, Mich.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Grand Rapids Brass Co. (Metal Escutcheons, Knobs, Pulls, Hinges, etc.), Grand Rapids, Mich.
Keeler Brass Co., Grand Rapids, Mich.
Knape & Vogt Mfg. Co., Grand Rapids, Mich.
National Lock Co. (Brass & Plate), Rockford, Ill.
Novelty Mfg. Co. (Metal), Waterbury, Conn.
SCHLEGEL MFG. CO., 277 N Goodman, Rochester, N. Y.

15960— Trimmings (Halter)

Frazer & Jones Co. ("Eames," "Excelsior," etc), Syracuse, N. Y.
North & Judd Mfg. Co. ("Anchor Brand" etc), New Britain, Conn.

15961— Trimmings (Harness)

Enterprise Mfg. Co. (Saddlery Trimmings), Akron, O.
Rubber & Celluloid Products Co. (Rubber & Celluloid), 56 Ferry, Newark, N. J.
Stimpson Edwin B. Co. (& Dog Collars), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book

15962— Trimmings (Hat)

DU PONT E. I. DE NEMOURS & CO. INC., Fabrikoid Div. ("Fabrikoid"), Newburgh, N. Y.
See adv index at end of book
Waterbury Button Corp., 831 S Main, Waterbury, Conn.
See adv index at end of book

15963—Trimmings (Refrigerator)

Arcade Mfg. Co., Freeport, Ill.
Brainerd Mfg. Co., East Rochester, N. Y.
Brass Goods Mfg. Co., 345 Eldert, Brooklyn, N. Y.
Dent Hardware Co., Fullerton, Pa.
Grand Rapids Brass Co., Grand Rapids, Mich.
Tiebout W. & J., 118 Chambers, New York

15964—Trimmings (Smoking Pipe)

Novelty Mfg. Co. (Brass), Waterbury, Conn.
Waterbury Button Corp., 831 S Main, Waterbury, Conn.
See adv index at end of book
Weber-Knapp Co. (Smoker Sets), Jamestown, N. Y.

15965—Trimmings (Table Cutlery)

Novelty Mfg. Co., Waterbury, Conn.

15966— Trimmings (Umbrella & Parasol)

Schlegel Mfg. Co., 277 N Goodman, Rochester, N. Y.
Waterbury Button Corp., 831 S Main, Waterbury, Conn.
See adv index at end of book
Woolson James B., Watertown, Conn.

15966a— Trinitrotoluol

DU PONT E. I. DE NEMOURS & CO. INC., Explosives & Smokeless Powder Depts. (See adv at Explosives), Wilmington, Del.
See adv index at end of book

15966b— Tripods

Gorham Co., Architectural Bronze, 5th av & 36th, New York
Los Angeles Motion Picture Co., 215 E Washington, Los Angeles, Cal.
Movette Inc., 295 State, Rochester, N. Y.
Reed Evan L. Mfg. Co. (For Baskets), Tipton, Danville, Ill.
Universal Camera Co. (Motion Picture), 718 Curtis, Chicago, Ill.
Weber Co., F., 1220 Buttonwood, Phila., Pa.
Wis. Iron & Wire Wks. (Bronze), 1660 Booth, Milwaukee, Wis.

15967— Tripods (Drill)

Ingersoll-Rand Co., 11 B'way, New York
See adv index at end of book

15968—Tripods (Engineers')

Gold Car Heating & Lighting Co (For Heating Systems), 220 36th, Brooklyn, N. Y.
Gurley W. & L. E. (For Transits, Levels, Compasses & Plane Tables), Troy, N. Y.
Ulmer J. C. Co., E. 38th & Kelly, Cleveland, O.

15969—*Tripods (Portable Folding)

Speidel Elevator Corp. (For Hoists), Reading, Pa.

15970— Tripoli

See also Composition, Buffing

American Tripoli Co. (Pure Tripoli Flour), Seneca, Mo.
BUCKEYE PRODUCTS CO., INC. ("Buckeye," "Okay" Parting), 915-917 W 5th, Cincinnati, Ohio
See adv index at end of book
Cohutta Talc Co. (Miners' & Refiners'), Dalton, Ga.
Chrystal Chas. B. Co. Inc., 13 Cliff, New York *See adv index at end of book*
Doggett Stanley, 11 Cliff, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Mepham Geo. S. & Co., 20th & Lynch, East St. Louis, Ill.
Munning A. P. & Co., Mattawan, N. J.
McNulty Joseph A., 114 Liberty, New York
See adv index at end of book
Salomon L. A. & Bro., 216 Pearl, New York
Waddell R. J. & Co. (Imp.), 52 Beekman, New York
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

15971— Trippers (Belt)

Bartlett & Snow Co. C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
See adv index at end of book

15972-3— Triturators

Coldwell-Wilcox Co., Newburgh, N. Y.

15974— Trolley Ears

Allen Fire Dept Supply Co., 159 Aborn, Providence, R. I.
Anderson Albert & J. M. Mfg. Co., 289 A, Boston, Mass.
Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.
Creaghead Engineering Co., 340 Main, Cincinnati, Ohio
Drew Electric & Mfg. Co., Collamer av, Cleveland, O.
Edna Brass Mfg. Co., 523 Reading rd, Cincinnati, Ohio
ELECTRIC MATERIALS CO., North East, Pa.
Electric Railway Equipment Co., 2900 Cormany, Cincinnati, Ohio
Electric Service Supplies Co. ("Keystone"), **17th & Cambria, Phila., Pa.**
Eureka Co., North East, Pa.
Hoist & Crane Engineering Co. (The), Engineering bldg, Liberty, New York City
See adv index at end of book
Ohio Brass Co., Mansfield, O.

Trolley Harps or Forks

See Forks, Trolley; also Trolley Line Materials

15975—Trolley Line Materials

See also Railway Supplies, Electric

American Mine Door Co., 2037 Dueber av S W, Canton, Ohio
American Safety Lamp & Mine Supply Co., 1327 Capouse av, Scranton, Pa.
Anderson Albert & J. M. Mfg. Co. (Overhead), 289 A, Boston, Mass.
Archbold-Brady Co. (Catenary Bridges Only), Syracuse, N. Y.
Bayonet-Trolley-Harp Co. (Detachable Trolley Harp & Butterfly Sleet Cutter), Springfield, O.
Columbia Machine Works & Malleable Iron Co. (Strain Line Anchor, etc), Atlantic av & Chestnut, Brooklyn, N. Y.
Cooke Wilson Electric Supply Co. (Dlrs.), Imperial Power bldg, Pittsburgh, Pa.
Creaghead Engineering Co. ("Creaghead"), 340 Main, Cincinnati, O.
Drew Electric & Mfg. Co., Collamer av, Cleveland, O.
Electric Railway Equipment Co., Cincinnati, Ohio
Electric Service Supplies Co. ("Keystone"), 17th & Cambria, Phila., Pa.
Electrical Material Co. (Flexo & Semi-Flexo Trolley Cars; Mabir & Hivol Pins, etc.), 618 W. Jackson Blvd, Chicago, Ill.
Electrose Mfg. Co., 70 Washington, Brooklyn, N. Y.
Eureka Co. (Trolley Ears, Splicers, etc), North East, Pa.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Gilbert A. & Sons Brass Fdry Co., 4019H Forest Park blvd, St. Louis, Mo.
Hallett Iron Works ("Hallett"), Harvey, Ill.
Harrison Electric Co., 1088 De Kalb av, Brooklyn, N. Y.
Hegeman Castle Corp. ("Drew"), 80 E Jackson, Chicago, Ill.
Holden & White ("Drew"), 343 S Dearborn, Chicago, Ill.
International Insulating Corp., 25 W. 45th, New York.
Johns-Manville Inc. ("J M" Overhead & Subway), Madison av & 41st, New York.
Line Material Co., High Tension, S. Milwaukee, Wis.
Lord Mfg. Co., 105 W 40th, New York
Macallen Co., 16 Macallen, South Boston, Mass.
Miller Trolley Shoe Co. (Trolley Shoes), West Newton, Mass.
National Brass Mfg. Co. (Trolley Wheels & Harps), Rochester, N. Y.
Naugatuck Malleable Iron Co., Naugatuck, Conn.
Nuttall R. D. Co. ("Union" "Standard" Trolley Harps), McCandless & Harrison av, Pittsburgh, Pa.
Ohio Brass Co., Mansfield, Ohio
Phila. Electrical & Mfg. Co. ("Pemco" **Feeder Arms, etc), 1236 N 31st, Phila., Pa.**
Union Electric Co., 31 Terminal wy, Pittsburgh, Pa.
Virginian Electric & Machine Works, Charleston, W. Va.
Wallace Supplies Mfg. Co., 1312 Diversey pkwy, Chicago, Ill.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

Trolley Poles

See Poles, Various Kinds; also Ties, Poles & Posts

15976—Trolleys (Butchers' Beef)

Albright-Nell Co., 5315 Western av., Chicago, Ill.
California Refrigerating Co., 2615 Short, Oakland, Cal.
Duncan J. Co., 39 Parlin, Everett, Mass.

15977— Trolleys (Cable)

Bissell F. Co., Toledo, Ohio
Hallett Iron Works ("Hallett"), Harvey, Ill.
Hanna Engineering Works ("Q. M. S."), 1764 Elston av, Chicago, Ill.

15978—Trolleys (Electric Conveying)

Brown Hoisting Machinery Co., 4403 St. Clair, N. E., Cleveland, O.
See adv index at end of book
EUCLID CRANE & HOIST CO., Euclid, O.
See adv index at end of book
Farnham Mfg. Co., 39 Indiana, Buffalo N. Y.
Hoist & Crane Engineering Co. (The), Engineering bldg, Liberty, New York City
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

15979— Trolleys (Trunnion)

Erie Forge Co., Erie, Pa.

15980— Trolleys & Chairs (Cable Stringing)

Bissell F. Co. ("Security"), Toledo, O.
Central Telephone & Elec. Co. ("Arrow"), 310 N 11th, St. Louis, Mo.
Ransome Concrete Machinery Co., Dunellen, N. J.

15981—Trolleys & Trolley Tracks (Overhead)

ARMINGTON ENGNG. CO., Euclid, Ohio
See adv index at end of book
Atlas Car & Mfg. Co., Cleveland, O.
See adv index at end of book
Aurora Door Hanger & Specialty Co., Aurora, Ill.
Bacon & Matheson Forge Co., 17H W Lander, Seattle, Wash.
Box Alfred Co., Centario & Trenton, Phila., Pa.
Brown Hoisting Machinery Co., 4403 St. Clair, N E, Cleveland, O.
See adv index at end of book
Case Crane & Engineering Co. (I Beam), Columbus, O.
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Chisholm-Moore Mfg. Co. (Geared & Plain Yoke Trolleys), 5046 Lakeside, Cleveland, O.
Cleveland Crane & Engineering Co., Dept. H, Wickliffe, Ohio
Coburn Trolley Track Mfg. Co. ("Coburn"), P. O. Box 127, Holyoke, Mass.
Curtis & Co. Mfg. Co. (Single I Beam Trolleys & Trolley System Parts), 1571 Kienlen av, St. Louis, Mo.
DETROIT HOIST & MACHINE CO., Detroit, Mich. *See adv index at end of book*
Dobbie Foundry & Machine Co., Niagara Falls, N. Y.
See adv index at end of book
DREIS & KRUMP MFG. CO. ("Atlas"), 7420 S Loomis, Chicago, Ill.
See adv index at end of book
Duncan J. Co., 39 Parlin, Everett, Mass.
EUCLID CRANE & HOIST CO., Euclid, O.
See adv index at end of book
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Harnischfeger Corp. (I Beam Electric), Milwaukee, Wis.
See adv index at end of book
Harrington Edw. Son & Co., 17th & Callowhill, Phila., Pa.
HOIST & CRANE ENGINEERING CO. (THE), Engineering bldg, Liberty, New York City
See adv index at end of book
Lane Bros. Co. (Trolley Carriers), Poughkeepsie, N. Y.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Lovejoy Tool Works (I Beam Trolleys), 319 W Ohio, Chicago, Ill.
See adv index at end of book
McCabe Hanger Mfg. Co. (Eye Beam), 426-428 W 24th, New York
Maris Bros., 56th & Grays av, Phila., Pa.
Moore Franklin Co., Winsted, Conn.
Myers F. E. & Bro., 950 Orange, Ashland, Ohio
See adv index at end of book
New Jersey Foundry & Machine Co. ("Delta" Hand & Electric Power), 90 West, New York
Northern Engineering Works, 210 Chene, Detroit, Mich.
Palmer-Bee Co. (I-Beam), 2778 E Grand blvd, Detroit, Mich.
Parlette H. Leslie, Media, Pa.
Philadelphia Tram-Rail Co., 3420 N Weikl, Phila., Pa.
Pullinger George S. Co., East Stroudsburg, Pa.
Randall Tramrail Co., 335 N 2d, Phila., Pa.
READING CHAIN & BLOCK CORP., ("Reading"), Reading, Pa.
See adv index at end of book
RICHARDS-WILCOX MFG. CO. ("Richards-Wilcox" Trolley Overhead Carrier), Aurora, Ill.
See adv index at end of book
Ricker Mfg. Co., Rochester, N. Y.
Roeper Crane & Hoist Works, Reading, Pa.
Round D. & Son, Penn. R. R. & Henry, Cleveland, O.
See adv index at end of book
SHEPARD ELECTRIC CRANE & HOIST CO. (Electric, Plain & Geared, I Beam), 406 Schuyler av, Montour Falls, N. Y.
See adv index at end of book
Smith A. L. Iron Wks., Dept. H, Chelsea, Mass.
Speidel Elevator Corp., Reading, Pa.
Whitehead & Kales Iron Works, Beecher & M. C. R. R., Detroit, Mich.
Whiting Corp., Harvey, Ill.
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.
Wright Mfg. Co. ("Wright" High Speed), Lisbon, Ohio
Yale & Towne Mfg. Co. ("Yale" Crane-I-Beam & Plain Rail), Stamford, Conn.

15981a— Trommels

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Browne & Sharpe Mfg. Co., Providence, R. I.
Goodell-Pratt Co., Greenfield, Mass.
Huebel Mfg. Co., 103 Monroe, Newark, N. J.
Sawyer Tool Mfg. Co., Ashburnham, Mass.
Starrett L. S. Co. (Extension Beam, etc.), Athol, Mass.

15982— Trommels (Rice)

Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.

15983— Troughs (Hog)

See also Troughs, Watering

American Scale Co., 517 Delaware, Kansas City, Mo.
Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Butler Co., Butler, Ind.
California Corrugated Culvert Co., W Berkeley & Los Angeles, Cal.
Cheney S. & Son, Manlius, N. Y.
Clarke J. Q. Tank Co., Crawfordsville, Ind.
Coast Culvert & Flume Co., Col. blvd & Derby, Portland, Ore.
Columbian Steel Tank Co. (Galvanized Steel), New England bldg, Kansas City, Mo.
Conner J. W. & Son (Cast Iron), Orangeville, Pa.
Dayton-Dowd Co. (Cast Iron), Quincy, Ill.
Dutton E. Q. & Co., Cato, N. Y.
Eagle Tank Co., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
East Bangor Mfg. Co. (Cast Iron), Bangor, Pa.
Foltz Mfg. & Supply Co., Hagerstown, Md.
Glor Bros. & Willis Mfg. Co., Attica, N. Y.
Hardesty R. Mfg. Co., 3063 Blake, Denver, Col.
Hastings Equity Grain Bin Mfg. Co., Hastings, Neb.
Klauer Mfg. Co. ("Star"), Dubuque, Iowa
Libbey C. A. Co., Marion & Jay, Oshkosh, Wis.
McLaughlin Sheet Metal Wks., 221 J, Sacramento, Cal.
Madewell Pipe & Culvert Works ("Madewell"), E 12th & 25th av, Oakland, Cal.
Martin Steel Products Co., Mansfield, Ohio
Maytag Co., Newton, Ia.
Milwaukee Corrugating Co. ("Milcor" All Metal), Milwaukee, Wis.
Munnsville Plow Co. (Cast Iron), Munnsville, N. Y.
Nebraska & Iowa Steel Tank Co., Omaha, Neb.
Northfield Iron Co., Northfield, Minn.
Northwestern Stamping Co. ("Northwestern Seamless"), Burlington, Ia.
Quinn Wire & Iron Works ("Daisy"), Boone, Ia.
Schoedinger F. O., 346 Mt. Vernon av, Columbus, Ohio
Western Mfg. Co., Oskaloosa, Ia.

15984— Troughs (Meat)

Brecht Co., 1201 Cass av, St. Louis, Mo
Eagle Tank Co., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
STERLING WHEELBARROW CO. ("Sterling" Sanitary), Milwaukee, Wis.
See adv index at end of book

15985—Troughs (Watering)

Barnes & Nuss Co. (Galvanized Steel), Grand Forks, N. D.
Buch's A. Sons Co. (Cast Iron & Steel), Elizabethtown, Pa.
Casey-Hedges Co. (Cast Iron Horse), Chattanooga, Tenn.
Central Foundry Co. (Cast Iron), 41 E 42d, New York
Chicago Hardware Foundry Co., 546 W Washington, No. Chicago
Chicago Steel Tank Co., Cicero, Ill.
Coast Culvert & Flume Co., Col. blvd & Derby, Portland, Ore.
Columbian Steel Tank Co. (Galvanized Steel), New England bldg, Kansas City Mo.
Consolidated Pipe Co., 2440 E 9th, Los Angeles, Cal.
Eagle Tank Co., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
East Bangor Mfg. Co. (Cast Iron Hog), Bangor, Pa.
Ephrata Foundry & Machine Works (Cast Iron, Portable Line), Ephrata, Pa.
Flint & Walling Mfg. Co. (Galvanized Steel), Kendallville, Ind.
Foltz Mfg. & Supply Co., Hagerstown, Md.
Harry Bros. Co. ("Harry's," Corrugated Galvanized Iron), Carr & L. C. R. R., New Orleans, La.
Harry O. K. Steel Co. (Galvanized Steel), 2333-35 Papin, St. Louis, Mo.
Harry O. K. Steel Works (Feed), Dallas, Tex.
Heesen Bros. Co. (Cast Iron), Tecumseh, Mich.
Heller-Aller Co., Napoleon, O.
Honhorst Joseph Co., 1016 W 6th, Cincinnati, O.
Kelly Foundry & Machine Co. (Poultry), Goshen, Ind.
Klauer Mfg. Co. ("Star" Cast for Hogs), H, Dubuque, Iowa
Littleford Bros., 444 E Pearl, Cincinnati, O.
See adv index at end of book
Madewell Pipe & Culvert Works ("Madewell"), E 12th & 25th av. Oakland, Cal.
Martin Steel Products Co., Mansfield, Ohio
Milwaukee Corrugating Co. ("Milcor" All Metal Feeding), 35th & Burnham, Milwaukee, Wis.
Munnsville Plow Co. (Cast Iron), Munnsville, N. Y.
Nebraska & Iowa Steel Tank Co., Omaha, Neb.
Niles Steel Tank Co. (Galvanized Steel), Niles, Mich.
North Dakota Metal Culvert Co. (Galvanized Steel), Fargo, N. D.
Northfield Iron Co., Northfield, Minn.
Sanitary Co. (Chick & Chicken), Dept. H, Linfield, Pa.
Schoedinger F. O., 346 Mt. Vernon av, Columbus, Ohio
Standard-Elsmere Granite Co. (Concrete), 1752 N Spauding av, Chicago, Ill.
Stockton Sheet Metal Works, 37 N American, Stockton, Cal.
Wagner Mfg. Co., Sidney, Ohio
Weaver & Co. (Steel), New Oxford, Pa.

15986— Trowels

Arcade Mfg. Co. (Steel Garden, etc), Freeport, Ill.
Browne & Dowd Mfg. Co. (Plastering), Meriden, Conn.
Buffum Tool Co. ("Swastika", Plastering Brick, Bent Blade Garden Transplanting, Handy Pointing, etc), South Side, Louisiana, Mo.
Cement Tool Co. ("Sturgis"), 625 Turner, Los Angeles, Cal.
Crescent Tool Mfg. Co. (Handle Edge, Outside Corner of Angle), 1002 Cass av, St. Louis, Mo.
Disston Henry & Sons (Garden, Brick, Plastering, Edging, Cementing, etc), Tacony, Phila., Pa.
Goldblatt H. Tool Co. ("Goldblatt"), 1522 Walnut, Kansas City, Mo.
Gray Iron Foundry Co., Reading, Pa.
Hills Edwin (Brick, Pointing, Plastering), Plainville, Conn.
Johnson Wm. ((Hedenburg Works), 36 Brenner, Newark, N. J.
Kohler F. E. Co. (Garden, etc), Canton, O.
Landers, Frary & Clark (Garden), New Britain, Conn.
Lothrop H. A. & Co., Sharon, Mass.
Marshalltown Trowel Co. ("Favorite" Plasterers, Brick, etc.), Marshalltown, Iowa
Maynard C. A. (Garden Brick, etc.), Northampton, Mass.
Ohlen Bishop Co. (Plasterers'), 931H Factory, Columbus, Ohio
Potter Mfg. Co. (Brick, Pointing, Garden, Florists, etc), Geneva, O.
Reading Saddle & Mfg. Co. (Plastering, Florists, Brick, Garden, etc), Reading, Pa.
Rittenhouse J. F. Mfg. Co. ("Little Giant"), Liberty Mills, Ind.
Rose Wm. & Bros., Sharon Hill, Pa.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Southington Hdwe Co., Southington, Conn.
Stortz Jno. & Son (Cement Workers, Putty, Paint, etc), 210 Vine, Phila., Pa.
Union Furnace Mfg. Co., Union Furnace, Pa.
Western Steel & Iron Works (Garden), De Pere, Wis.

15987— Trowels (Butter)

Landers, Frary & Clark (Also Butter Spades, etc), New Britain, Conn.
Munising Woodenware Co., Piqua, Ohio

15988—Trowels (Concrete Finishing)

Gray Iron Foundry Co., Reading, Pa.

15989— Trowels (Garden)

Arcade Mfg. Co. (Steel, etc), Freeport, Ill.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Disston Henry & Sons, Tacony, Phila., Pa.
Hills Edwin, Plainville, Conn.
Johnson Wm. (Hedenberg Works), Newark, N. J.
Kingsbury Mfg. Co., Keene, N. H.
Kohler F. E. Co., Canton, O.
Landers, Frary & Clark, New Britain, Conn.
Maynard C. A., Northampton, Mass.
N. Y. Stamping Co. ("Primrose"), N 11th & Berry, Brooklyn, N. Y.
Potter Mfg. Co., Geneva, O.
Southington Hdwe Co., Southington, Conn.
Western Steel & Iron Works, De Pere, Wis.

Trowels (Moulders')

See Tools, Molders'

15990—Trowels (Plastering)

Atkins E. C. & Co., Indianapolis, Ind.
Browne & Dowd Mfg. Co., Meriden, Conn.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Clark W. J. Co., Salem, O.
Crescent Mfg. Co., 129 Reade, New York
Disston Henry & Sons, Tacony, Phila., Pa.

Goldblatt H. Tool Co., 1522 Walnut, Kansas City, Mo.
Gray Iron Foundry Co., Reading, Pa.
Hills Edwin, Plainville, Conn.
Johnson Wm. (Hedenberg Works), Newark, N. J.
Ohlen-Bishop Co. (Brick), 931 Factory, Columbus, Ohio
Marshalltown Trowel Co., Marshalltown, Ia.
Potter Mfg. Co., Geneva, O.
Reading Saddle & Mfg. Co. (Steel Blade), Reading, Pa.
Rose Wm. & Bros., Sharon Hill, Pa.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Southington Hdwe Co., [illegible]gton Conn.

Trowels (Putty)

See Knives, Putty

15991—Truck Banks (Rubber)

Boston Belting Corp., 84 Linden Park, Boston, Mass.
Empire Tire & Rubber Corp., Trenton, N. J.
Goodrich B. F. Co., Akron, O.
Hamilton Rubber Mfg. Co., Trenton, N. J.
Home Rubber Co., Trenton, N. J.
Manhattan Rubber Mfg. Co., Passaic, N. J.
N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
N. Y. Belting & Packing Co., 91 Chambers, New York
United & Globe Rubber Co., Trenton, N. J.
U. S. RUBBER CO., 1790 Broadway, New York *See adv index at end of book*
Whitehead Bros. Rubber Co., Trenton, N. J.

15992—Truck Trailers (Automobile)

Acme Wagon Co. ("Acme"), Emigsville, Pa.
Amer. Truck & Trailer Corp. ("Atco"), Stoddard pl, Kankakee, Ill.
Anchor Top & Body Co. ("Anchor"), C. H. & D. Ry, nr. Gest, Cincinnati, O.
Arcadia Trailer Corp. ("Arcadia"), Newark, N. Y.
Auto Kamp Equipment Co., Saginaw, Mich.
Bower Mfg. Co., Fowler, Ind.
Butler Co. ("Butler"), Butler, Ind.
Clark G. P. Co., Windsor Locks, Conn.
Coast Engine & Machine Works, E Madison & Water, Portland, Ore.
Columbia Motor Truck Co., Dept. H, Pontiac, Mich.
Cook Motors Corp., Kankakee, Ill.
Cowan Truck Co., H Water, Holyoke, Mass.
Davenport Wagon Co., Davenport, Ia.
Defiance Carriage Co. ("Defiance"), Defiance, O.
Detroit Steel & Casting Co., 4069H Michigan, Detroit, Mich.
Detroit Trailer Co., 35 Jos. Campau, Detroit, Mich.
Eagle Wagon Works, Auburn, N. Y.
Eureka Co. ("Eureka"), Rock Falls, Ill.
Fairbanks Co., 416 Broome, New York
Fruehauf Trailer Co., 18940 Harper, Detroit, Mich.
Glen Wagon & Car Corp., Cortland, N. Y.
Hercules Trailer Mfg. Co. ("Hercules"), 1327 Santa Fe av, Los Angeles, Cal.
Hesse Wm. G. & Son Mfg Co., Leavenworth, Kans.
Hessner Henry & Son, 33 Bartlett, Brooklyn, N. Y.
Hi-Speed Trailer Car, East Rochester, N. Y.
Horstmann Mfg. Co. ("Economy"), 932 Folsom, San Francisco, Cal.
Kentucky Wagon Mfg. Co., Louisville, Ky.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
King Trailer Co., Ann Arbor, Mich.
Kramer Wagon Co. ("Kramer"), Oil City, Pa.
Lantz W. R. Mfg. & Supply Co., Muskogee, Okla.
Lee Trailer & Body Co. ("Lee" D Four Wheel Steer & Heavy Duty), 2343 S La Salle, Chicago, Ill.
Mansfield Steel Corp., 288 E Milwaukee av, Detroit, Mich.
Martin-Parry Corp. ("Martin"), York, Pa.
Martin Rocking Fifth Wheel Co., 21 Besse pl, Springfield, Mass.
Mercury Mfg. Co., 4118 S Halsted, Chicago, Ill.
Miami Trailer Co. ("Miami"), Troy, Ohio
Miles Mfg. Co. ("Jackson"), Jackson, Mich.
Nagle John C., 431 Baker, Detroit, Mich.
New Comer Trailer Mfg. Co. ("New Comer"), 1125 Santa Fe av, Los Angeles, Cal.
Nonpareil Mfg. Co. ("Nonpareil"), Cochranton, Pa.
Northway Trailer Car Co. (High Speed), East Rochester, N. Y.
Pike Auto & Trailer Works, 701 E 7th, Los Angeles, Cal.
Powell Trailer Co., Corry, Pa.
Ralston Iron Works, Inc. ("Ralston"), 20th & Indiana, San Francisco, Cal.
Randolph H. C. ("Randolph"), Jonesville, Mich.
Reliance Trailer & Truck Co. Inc. ("Reliance"), 1642 Howard, San Francisco, Cal.
Rogers Bros. Co. ("Rogers"), Albion, Pa.
Samson Trailer Works ("Samson"), Grand Rapids, Mich.
Shadbolt Mfg. Co., 63 Flushing av, Brooklyn, N. Y.
Sherwood Bros. Mfg. Co., Canastota, N. Y.
Simplex Short Turn Trailer Co., Auburn, Ind.
Sior Heinrich, 74 Cornelia, Brooklyn, N. Y.
Spencer F. G. Trailer Co., Augusta, Kan.
Standard Trailer Co. (Two Wheel), Cambridge Springs, Pa.
Trailmobile Co. ("Trailmobile"), 31st & Robertson, Cincinnati, Ohio
Troy Wagon Works Co. (Drop Frame, Pole & Bus Body), Troy, Ohio.
Utility Trailer Mfg. Co. ("Utility"), 1328 Palmetto, Los Angeles, Cal.
Warner Mfg. Co. (Heavy Duty), Beloit, Wis.
Watson Wagon Co., Canastota, N. Y.
Weber Auto & Trailer Works, 1505 Santa Fe av, Los Angeles, Cal.
Yale & Towne Mfg. Co. (Storage Battery), Dept. H, Stamford, Conn.
Zering H. Mfg. Co., B. & O. Ry. & Hickory, Oakley, Cincinnati, O.
See adv index at end of book

15993-4— Trucks (Aerial)

American-La France Fire Engine Co., Elmira, N. Y.
International Motor Co., 264 W 64th, New York
Seagrave Co. (Motor Only), Columbus, O.

15995— Trucks (Ash Can)

Browne W. G. Mfg. Co. ("Handy"), Kingston, N. Y.
Clark Geo. P. Co., Windsor Locks, Conn.
Eureka Mower Co., 1005H Hickory, Utica, N. Y.
Fairbanks Co., 416 Broome, New York
Zering H. Mfg. Co., B. & O. Ry. & Hickory, Oakley, Cincinnati, O.
See adv index at end of book

15996—Trucks (Assembling)

Clark Geo. P. Co., Windsor Locks, Conn.
Dexter Metal Mfg. Co. (Steel), 93 Arch, Camden, N. J.
Towsley John T. Mfg. Co., Cincinnati, O.

15997—Trucks (Automatic Loading)

AUTOMATIC TRANSPORTATION CO., INC., 2939 Main, Buffalo, N. Y.
See adv index at end of book
Clark Geo. P. Co., Windsor Locks, Conn.
Cowan Truck Co., Holyoke, Mass.
Elwell-Parker Co. (The) (Electric), 4205 St. Clair, Cleveland, Ohio
See adv index at end of book
LEWIS-SHEPARD CO. ("Jacklift" Master Truck), 577 E 1st, Boston, Mass.
See adv index at end of book
Plimpton Truck Co. ("Plimpton"), Stamford, Conn.
Stuebing Truck Co. ("Stue Bing"), 311 E Court, Cincinnati, Ohio

15998—Trucks (Automobile Wrecking)

Kimmerle Bros. ("Kimkin"), 683 Golden Gate av, San Francisco, Cal.
Michigan Wire Goods Co. ("Little Giant" Steel), Niles, Mich.
Weaver Mfg. Co. ("Weaver" Auto Ambulance), Springfield, Ill.

15999—Trucks (Bag Holder)

Stevens Mfg. & Foundry Co., Decatur, Ill.

16000—Trucks (Bag & Barrel)

Adams Co. (Iron), Dubuque, Ia.
Armstrong Truck Co. (2 & 4 Wheel), North Wales, Pa.
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Bowser N. P. Co. (Bag Holding Only), South Bend, Ind.
Buch's A. Sons Co., Elizabethtown, Pa.
Cardington Cabinet Co. ("Handy"), Cardington, O.
Chicago Scale Co., 7740 S Chicago av, Chicago, Ill.
Clark Geo. P. Co., Windsor Locks, Conn.
Colson Co. (The), Elyria, Ohio
See adv index at end of book
Comstock Geo. S. & Son (Bag), Mechanicsburg, Pa.
Conner J. W. & Son (Bag), Orangeville, Pa.
Eureka Mower Co., 1005H Hickory, Utica, N. Y.
Fairbanks Co., 416 Broome, New York
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
Howe Chain Co., Muskegon, Ohio
Howe Scale Co., Rutland, Vt.
Kilbourne & Jacobs Mfg. Co., Columbus, Ohio
Knowles Scale Works (Ash Barrel Cans), Lowell, Mass.
Lansing Co., Lansing, Mich.
Lehr Agricultural Co., Fremont, O.
McKinney Mfg. Co., Liverpool & Metropolitan, Pittsburgh, Pa.
Messinger Mfg. Co., Tatamy, Pa.
Moore Truck & Mfg. Co., Trenton, Mich.
Mountville Mfg. Co., Mountville, Pa.
Nutting Truck Co. (2, 4 & 6 Wheeled), Faribault, Minn.
Peck C. A. Hardware Co. (Automatic Barrel), Berlin, Wis.
Phillips Doup & Co. ("National"), 44th & 1st av, Brooklyn, N. Y.
Plimpton Truck Co. ("Plimpton"), Stamford, Conn.
Sprout, Waldron & Co. (Bag), Muncy, Pa.
See adv index at end of book
Standard Scale & Supply Co., 1631 Liberty av, Pittsburgh, Pa.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Universal Machine Co. (2 Wheel Hand), Bowling Green, O.
Western Wheelbarrow Mfg. Co., South Fort Smith, Ark.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.
Wolf Co., Chambersburg, Pa.
Wrightsville Hardware Co. (Bag), Wrightsville, Pa.
ZERING H. MFG. CO., B. & O. Ry. & Hickory, Oakley, Cincinnati, O.
See adv index at end of book

16001— Trucks (Baggage)

Atlas Car & Mfg. Co., Cleveland, O.
See adv index at end of book
AUTOMATIC TRANSPORTATION CO., INC. ("Automatic"), 2939 Main, Buffalo, N. Y.
See adv index at end of book
Bryan Mfg. Co., P. O. Box D, Bryan, O.
Buda Co., Harvey, Ill.
Clark Geo. P. Co., Windsor Locks, Conn.
COLSON CO. (THE), Elyria, Ohio
See adv index at end of book
Covel Mfg. Co., Benton Harbor, Mich.
Cowan Truck Co. (Electric), Holyoke, Mass.
Crerar Adams & Co. (Jobbers), 259 W Erie, Chicago, Ill.
Elwell-Parker Electric Co. (Electric), Cleveland, O.
See adv index at end of book
Fairbanks Co., 416 Broome, New York
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Fox Z. F. & Son, Freeport, Mich.
Hoagland Thayer Inc., 95 Central, Newark, N. J.
Howe Scale Co., Rutland, Vt.
Kalamazoo Railway Supply Co. (Also Railroad Warehouse), Kalamazoo, Mich.
Kilbourne & Jacobs Mfg. Co., Columbus, Ohio
Lansing Co., Lansing, Mich.
Lewis-Shepard Co. ("Jacklift" Master Truck), 577 E 1st, Boston, Mass.
See adv index at end of book
Nutting Truck Co., Faribault, Minn.
Phillips Doup & Co. ("National"), 44th & 1st av, Brooklyn, N. Y.
St. Louis Truck & Mfg. Co., 3200 N Hall, St. Louis, Mo.
Standard Scale & Supply Co., Ltd., 1631 Liberty av, Pittsburgh, Pa.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Western Wheelbarrow Mfg. Co., South Ft. Smith, Ark.
White Co., 79th & St. Clair, Cleveland, O.
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.
Zering H. Mfg. Co., B. & O. Ry. & Hickory, Oakley, Cincinnati, O.
See adv index at end of book

16002— Trucks (Barrel, Steel)

Barrett-Cravens Co., 1328 W Monroe, Chicago, Ill.
Fairbanks Morse & Co., 900 Wabash av, Chicago, Ill.
LEWIS-SHEPARD CO. ("Jacklift" Master Truck), 577 E 1st, Boston, Mass.
See adv index at end of book
OHIO MFG. CO., P. O. Box 146, Painesville, O. *See adv index at end of book*
St. Louis Truck & Mfg. Co., 3200 N Hall, St. Louis, Mo.
Sharon Pressed Steel Co. ("Bluenose"), Sharon, Pa.

16003— Trucks (Basket)

Fairbanks Co., 416 Broome, New York
Kilbourne & Jacobs Mfg. Co., Columbus, O.
La Plante Choate Mfg. Co. (House), Cedar Rapids, Ia.
Nutting Truck Co., Faribault, Minn.
Peerless Wire Goods Co. (Wire), Lafayette, Ind.
Peru Basket Co. (Bamboo Truck, Rubber Tired Wheels), Peru, Ind.
Western Wheelbarrow Mfg. Co., South Ft. Smith, Ark.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.
Zering H. Mfg. Co., B. & O. Ry & Hickory, Oakley, Cincinnati, O.
See adv index at end of book

16004—Trucks (Binder & Header)

Emerson Brantingham Co. ("E. B. Osborne" Binder), Rockford, Ill.
Harvester Co. (Binder), Batavia, N. Y.
Massey-Harris Harvester Co. (Binder), Batavia, N. Y.
Moline Plow Co. (Binder), Moline, Ill.
Winona Wagon Co. (Header), Winona, Miss.

16005— Trucks (Bottlers')

Clark G. P. Co. ("Clark"), Windsor Locks, Conn.
Lewis-Shepard Co. ("Jacklift" Master Truck), 577 E 1st, Boston, Mass.
See adv index at end of book
Plimpton Truck Co. ("Plimpton"), Stamford, Conn.
Western Wheelbarrow Mfg. Co., South Ft. Smith, Ark.
Zering H. Mfg. Co., Oakley, Cincinnati, O.
See adv index at end of book

16006— Trucks (Box)

Allsteelequip Co., Aurora, Ill.
Armstrong Truck Co., North Wales, Pa.
Aurora Steel Products Co., Aurora, Ill.
Clark Geo. P. Co., Windsor Locks, Conn.
Cleveland Wire Spring Co. (Steel), 1281 E 38th, Cleveland, O.
Colson Co. (The), Elyria, Ohio
See adv index at end of book
Dail Steel Products Co. (Steel), Lansing, Mich.
Dexter Metal Mfg. Co. (Steel), 93 Arch, Camden, N. J.
DIAMOND STATE FIBRE CO. (For Factories, Mills, Warehouses, Stores, etc), Dept. 37, Bridgeport, Pa.
See adv index at end of book
Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*
Electric Wheel Co., Station D, Quincy, Ill.
See adv index at end of book
Fairbanks Co., 416 Broome, New York
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Globe Vise & Truck Co., Grand Rapids, Mich.
Holyoke Truck Co., 110 Race, Holyoke, Mass.
Howe Chain Co., Muskegon, Mich.
Howe Scale Co., Rutland, Vt.
Kantslip Co. (Steel & Wood), Freeport, Mich.
Kilbourne & Jacobs Mfg. Co., Columbus, Ohio
LEWIS-SHEPARD CO. ("Jacklift" Master Truck), 577 E 1st, Boston, Mass.
See adv index at end of book
Lyon Metallic Mfg. Co. ("Lyon" Steel), Aurora, Ill.
McKinney Mfg. Co., Liverpool & Metropolitan, Pittsburgh, Pa.
Nutting Truck Co., Faribault, Minn.
Phillips Doup & Co. ("National"), 44th & 1st av., Brooklyn, N. Y.
Plimpton Truck Co. ("Plimpton"), Stamford, Conn.
Plecher Andrew Sons Co. ("Gem" & Steel Timber or Contractors' Dolly), Dayton, Ohio
Premier Machinery Co. (Also Clamp), 310 Sansome, San Francisco, Cal.
See adv index at end of book
Standard Scale & Supply Co. ("The Standard"), 1531 Liberty av, Pittsburgh, Pa
Stebler Parker Co., Inc. (Clamp), 171 9th, Riverside, Cal.
Stuebing Truck Co., 311 E. Court, Cincinnati, O.
Western Wheelbarrow Mfg. Co., South Ft. Smith, Ark.
Zering H. Mfg. Co., B. & O. Ry. & Hickory, Oakley, Cincinnati, O.
See adv index at end of book

16007-8— Trucks (Brick)

Anderson Foundry & Mach. Works, Anderson, Ind.
Arnold-Creager Co., New London, O.
Atlas Car & Mfg. Co., Cleveland, O.
See adv index at end of book
Easton Car & Construction Co. (Tile, etc.), 36 Holley, Easton, Pa.
See adv index at end of book
Elwell-Parker Electric Co. (The) (Electric), 4205 St. Clair av, Cleveland, O.
See adv index at end of book
Fairbanks Co. (also Tile), 416 Broome, New York
Fernholtz Brick Machinery Co., Boyle & Vandeventer av, St. Louis, Mo.
Hadfield-Penfield Steel Co. (The), Bucyrus, O. *See adv index at end of book*
International Clay Machy. Co., Dayton, O.
Kilbourne & Jacobs Mfg. Co., Columbus, Ohio
Lewis-Shepard Co. ("Jacklift" Master Truck), 577 E 1st, Boston, Mass.
See adv index at end of book
Nutting Truck Co., Faribault, Minn.
Pennsylvania Foundry & Mfg. Co., Wyomissing, Reading, Pa.
Plimpton Truck Co. ("Plimpton"), Stamford, Conn.
Potts C. & A. & Co., Indianapolis, Ind.
St. Louis Truck & Mfg. Co., 3200 N Hall, St. Louis, Mo.
Steele J. C. & Sons, Statesville, N. C.
Wellington Machine Co., Wellington, O.
Western Wheelbarrow Mfg. Co., South Ft. Smith, Ark.
Zering H. Mfg. Co., B. & O. Ry. & Hickory, Oakley, Cincinnati, O.
See adv index at end of book

16009— Trucks (Canvas)

Lane W. T. & Bro. (Canvas with Steel Frame), Poughkeepsie, N. Y.

16010—Trucks (Car, Steam & Electric)

American Steel Foundries (Steam), Commercial McCormick bldg, Chicago, Ill.
Atlas Car & Mfg. Co., Cleveland, O.
See adv index at end of book
AUTOMATIC TRANSPORTATION CO., INC. (Electric), 2939 Main, Buffalo, N. Y.
See adv index at end of book
Baldwin Locomotive Works (Steam & Electric), Broad & Spring Garden, Phila., Pa.
Bemis Car Truck Co., 369 Bernie av, Springfield, Mass.
Bettendorf Co. (All Steel for Steam Roads Only), Bettendorf, Ia.
Bloomsburg Car Mfg. Co., Bloomsburg, Pa.
Brill J. G. Co., 62nd & Woodland av, Phila., Pa.
Buda Co., Harvey, Ill.
Cincinnati Car Co., Spring Grove & Mitchell av, Cincinnati, O.
Commonwealth Steel Co. (Cast Steel, Four or Six-Wheel Truck Frame In One Piece), Pierce bldg, St. Louis, Mo.
Egyptian Iron Works (Mine), Murphysboro, Ill.
Elect. Auto Sales Corp., Central Park W & 62nd, New York
Kuhlman G. C. Car Co., Adams av & L. S. & M. S. Ry., Cleveland, O.
Laconia Car Co. (Electric), 60 Congress, Boston, Mass. Works: Laconia, N. H.
Lincoln Steel & Forge Co. (Mine Cars Only) 5701 Natural Bridge av, St. Louis, Mo.
McGuire-Cummings Mfg. Co. ("Columbia," Electric, etc), Harris Trust & Savings bldg, Chicago, Ill.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Standard Car Truck Co. ("Barber" Roller-Bearing Passenger, Electric & Freight Car, Locomotive Tender, etc), 332 S Mich. av, Chicago, Ill.
Standard Motor Truck Co. ("Barber" Roller Bearing Passenger Electric & Freight Car Locomotive Fender, etc.), 1111 Bellevue av, Detroit, Mich.
Standard Steel Car Co. (Steel Frames & Underframes for Wooden Cars), A. V. R. R., Pittsburgh, Pa.
Taylor Electric Truck Co. ("Taylor Made"), Troy, N. Y.
Turl Iron & Car Co. (Inc.) The, 50 Broad, New York. Works: Newburgh, N. Y.
Valley Forging Co., Verona, Pa.
Walker Vehicle Co. (Electric Road Type "Walker Balance Drive"), State & 87th, Chicago, Ill.
Wason Mfg. Co., Springfield, Mass.
Western Steel Car & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.
Yale & Towne Mfg. Co. (Electric), Dept. H, Stamford, Conn.
Zelnicker Walter A. Supply Co. (Dealer), 325 Locust, St. Louis, Mo.

16010a—Trucks (Charging & Drawing)

Elwell-Parker Electric Co. (The) (Electric), 4205 St. Clair av, Cleveland, O.
See adv index at end of book

16011—*Trucks (Concrete Mixer)

ELECTRIC WHEEL CO., Station D, Quincy, Ill. *See adv index at end of book*

16012—Trucks (Core Oven)

Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*
Lewis-Shepard Co. ("Jacklift" Master Truck), 577 E 1st, Boston, Mass.
See adv index at end of book
Littleford Bros., 444 E Pearl, Cincinnati, Ohio. *See adv index at end of book*
Pennsylvania Foundry & Mfg. Co., Wyomissing, Reading, Pa.
Plimpton Truck Co. ("Plimpton"), Stamford, Conn.
Republic Structural Iron Wks. Division, 1350H E 53rd, Cleveland, O.
St. Louis Truck & Mfg. Co., 3200 N Hall, St. Louis, Mo.

16013-4— Trucks (Dolly)

Argo-Vines Mfg. Co. ("Union"), 2446 E 52d, Los Angeles, Cal.
Broome W. J. Mfg. Co. ("Gem"), 1455 E 17th, Los Angeles, Cal.
Colson Co. (The), Elyria, Ohio
See adv index at end of book
Crerar Adams & Co. (Wood & Steel Jobbers), 259 W Erie, Chicago, Ill.
HAMILTON CASTER & MFG. CO., THE ("Tu-Ton"), 1635 Dixie Highway, Hamilton, O.
See adv index at end of book
Kimmerle Bros. ("Kinkin"), 226 11th, San Francisco, Cal.
Menasha Wood Split Pulley Co. ("Menasha"), Menasha, Wis.
St. Louis Truck & Mfg. Co., 3200 N Hall, St. Louis, Mo.
Zering H. Mfg. Co., B. & O. Ry. & Hickory, Oakley, Cincinnati, O.
See adv index at end of book

Trucks (Dry Goods)

See Trucks, Store, Warehouse & Factory

16015— Trucks (Dry Kiln)

American Blower Co., 6004 Russell, Detroit, Mich.
Atlas Car & Mfg. Co., Cleveland, O.
See adv index at end of book
Chase Foundry & Mfg. Co. The, 2700 S Parsons av, Columbus, O.
See adv index at end of book
Curtis-Hosey Dryer Co., Pyle bldg, 23rd & Chestnut, Philadelphia, Pa.
Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*
Elwell-Parker Electric Co. (The) (Electric), 4205 St. Clair av, Cleveland, O.
See adv index at end of book
Fairbanks Co., 416 Broome, New York
Glascock Stove & Mfg. Co. (Steel Frame, Roller Bearing), Greensboro, N. C.
Henderson Drying Equipment Corp., 283 Holland, Syracuse, N. Y.
See adv index at end of book
Hesse Ersted Iron Works, E 8th & Taylor, Portland, Ore.
Lansing Co., Lansing, Mich.
Michigan Truck & Lumber Co. ("Michigan"), Holly, Mich.
National Dry Kiln Co., 1118 E. Mary, Indianapolis, Ind.
North Coast Dry Kiln Co., Seattle, Wash.
Nutting Truck Co., Fairbault, Minn.
Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.
Standard Dry Kiln Co., Harding & Belt, Indianapolis, Ind.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Sumner Iron Wks., Everett, Wash.
Union Iron Works Co., Selma, Ala.
Western Wheelbarrow Mfg. Co., South Fort Smith, Ark.
Zering H. Mfg. Co., B. & O. Ry. & Hickory, Oakley, Cincinnati, O.
See adv index at end of book

16015a—*Trucks (Drying)

Clark Geo. P. Co., Windsor Locks, Conn.
Zering H. Mfg. Co., B. & O. Ry. & Hickory, Oakley, Cincinnati, O.
See adv index at end of book

16016—Trucks (Dye House)

Clark Geo. P. Co., Windsor Locks, Conn.
Elwell-Parker Electric Co. (The) (Electric), 4205 St. Clair av, Cleveland, O.
See adv index at end of book
Fairbanks Co., 416 Broome, New York
Plimpton Truck Co. ("Plimpton"), Stamford, Conn.
Zering H. Mfg. Co., B. & O. Ry. & Hickory, Oakley, Cincinnati, O.
See adv index at end of book

16017— Trucks (Elevating)

AUTOMATIC TRANSPORTATION CO., INC., 2939 Main, Buffalo, N. Y.
See adv index at end of book
Barrett-Cravens Co., 1328 W Monroe, Chicago, Ill.
CHASE FOUNDRY & MFG. CO. THE ("Chase Twinlift"), 2700 S Parsons av, Columbus, Ohio
See adv index at end of book
Clark Geo. P. Co. ("Clark"), Windsor Locks, Conn.
Cowan Truck Co. ("Transveyor") Holyoke, Mass.
Elwell-Parker Electric Co. (The) (Electric), 4205 St. Clair av, Cleveland, O.
See adv index at end of book
Fairbanks Co., 416 Broome, New York
Heller P. A. & Sons ("Jacklift"), 213 State, Detroit, Mich.
HOWE CHAIN CO., Muskegon, Mich.
Industrial Truck Co. (Electric), Holyoke, Mass.
LEWIS-SHEPARD CO. ("Jacklift" Master Truck), 119 Walnut St., Boston, Mass.
See adv index at end of book

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BARREL TRUCKS
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Over 600% Profit is the yearly average of our customers. We guarantee results before you pay.
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119 Walnut St., Watertown Sta., Boston, Mass.

NEW JERSEY FOUNDRY & MACHINE CO. ("Delta"), 90 West, New York
Plimpton Truck Co. ("Plimpton"), Stamford, Conn.
Pressman Edw., 1236 E 6th, Los Angeles, Cal.



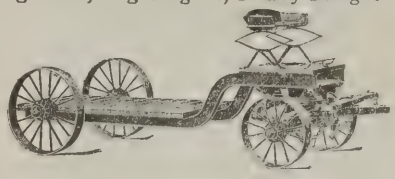
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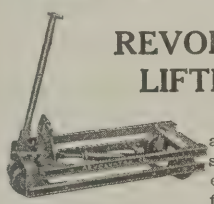




ELECTRIC WHEEL COMPANY

Station D QUINCY, ILL., U. S. A.

Revolvator Co. ("Revolvator"), 395 Garfield av, Jersey City, N. J.
See adv index at end of book



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are all-steel construction with exclusive safety features. Can be elevated and released equally as well from the front or sides. Try one of these trucks in your plant—now.

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395 Garfield Ave. Jersey City, N. J.

Stuehing Truck Co., 311 E Court, Cincinnati, Ohio
Transmission Ball Bearing Co., 1056 Military rd, Buffalo, N. Y.
Yale & Towne Mfg. Co. ("Yale"), Dept. H, Stamford, Conn.

Trucks (Factory)

See Trucks (Store, Warehouse & Factory)

16018— Trucks (Farm)

Abingdon Wagon Co. ("Abingdon," "Superior," "Model," "Commonwealth," "Sturdy"), Abingdon, Ill.
Advance-Rumely Co. ("Rumely"), La Porte, Ind.
Anderson Co. ("Grain King"), 2324 University av, St. Paul, Minn.
Appleton Mfg. Co. ("Appleton" Metal Wheel, Batavia, Ill.
Chicago House Wrecking Co. of Minn,, Inc. (Portable, Hand & Horse Drawn), 803 Fillmore av, St. Paul, Minn.
Deere John Wagon Works, Moline, Ill.
ELECTRIC WHEEL CO., Station D, Quincy, Ill. *See adv index at end of book*
Emerson-Brantingham Co. ("Overland"), Rockford, Ill.
Empire Mfg. Co., Quincy, Ill.
Equipment Mfg. Co., Leader News bldg, Cleveland, O.
Fort Smith Wagon Co., Fort Smith, Ark.
Francis Chas. E. Co., Rushville, Ind.
Fresno Agricultural Works, L & Tulare, Fresno, Cal.
Gillette Roller Bearing Co., Grand Rapids, Mich.
Graham Bros., Inc., Evansville, Ind.
Havana Metal Wheel Co., Havana, Ill.
International Harvester Company of America (Inc.), ("Columbus," "Buckeye," "Monarch," "Keystone"), Harvester bldg, Chicago, Ill.
Keller Mfg. Co., 1325 N E Quincy, Minneapolis, Minn.
King & Hamilton Co., Ottawa, Ill.
Lenhart Wagon Co., 2600 University av, Minneapolis, Minn.
Little J. R. Metal Wheel Co., Quincy, Ill. *See adv index at end of book*
Michigan Mfg. & Lumber Co., Holly, Mich.
Northwestern Motor Co., 759 Spring, Eau Claire, Wis.
Pekin Wagon Co., Pekin, Ill.
Peru Plow & Wheel Co., Peru, Ill.
Samson Tractor Co., Janesville, Wis.
Steel Truck Co., Howell, Mich.
Tiffin Wagon Co., Tiffin, O.
Turnbull Motor Truck & Wagon Co. ("Dandy," "Best Yet"), Defiance, O.
Winona Wagon Co., Winona, Minn.
Woodward Co., Kearn & G, Fresno, Cal.
Zering H. Mfg. Co., B. & O. Ry. & Hickory, Oakley, Cincinnati, O. *See adv index at end of book*

16019— Trucks (Feed)

James Mfg. Co. ("James"), Ft. Atkinson, Wis.
Libbey C. A. Co., Marion & Jay, Oshkosh, Wis.
Zering H. Mfg. Co., B. & O. Ry. & Hickory, Oakley, Cincinnati, Ohio *See adv index at end of book*

Trucks (Fibre)

See Trucks, Mill

16020— Trucks (Food)

Blakeslee Co., G. S., Cicero, Ill.
Drinkwater Co., 389 Rider av, New York
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal) *See adv index at end of book*

16021— Trucks (Foundry)

Am. Fdry. Equipment Co., 366 Madison av, N. Y.
Atlas Car & Mfg. Co., Cleveland, O. *See adv index at end of book*
Atlas Engineering Co., Amherst, O.
Buda Co., Harvey, Ill.
Chase Foundry & Mfg. Co. The, 2700 S Parsons av, Columbus, O. *See adv index at end of book*
Clark Geo. P. Co. ("Clark"), Windsor Locks, Conn.
Cowan Truck Co., Holyoke, Mass.
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*
Electric Wheel Co., Station D, Quincy, Ill. *See adv index at end of book*
Fairbanks, Morse & Co., Sheffield, plant Three Rivers, Mich.
Howe Chain Co., Muskegon, Mich.
HUNT C. W. CO., West New Brighton, N. Y. *See adv index at end of book*
Lewis-Shepard Co. ("Jacklift" Master Truck), 577 E 1st, Boston, Mass. *See adv index at end of book*
Lyon Metallic Mfg. Co. ("Lyon" Steel), Aurora, Ill.
National Scale Co. ("National Chapman"), 11H Hendricks, Chicopee Falls, Mass.
Northern Engineering Works, 210 Chene, Detroit, Mich.
Pacific Car & Foundry Co., H, Alaska bldg, Seattle, Wash.
Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.
Phillips Doup & Co. ("National"), 44th & 1st av, Brooklyn, N. Y.
Plimpton Truck Co. ("Plimpton"), Stamford, Conn.
St. Louis Truck & Mfg. Co., 3200 N Hall, St. Louis, Mo.
Standard Scale & Supply Co., 1631 Liberty av, Pittsburgh, Pa.
STERLING WHEELBARROW CO. ("Sterling" Foundry & Pig Iron), Milwaukee, Wis. *See adv index at end of book*
Western Wheelbarrow Mfg Co., South Fort Smith, Ark.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.
Zering H. Mfg. Co., B. & O. Ry. & Hickory, Oakley, Cincinnati, O. *See adv index at end of book*

Trucks (Freight)

See Wagons, Freight, Teaming, etc.

16022— Trucks (Galvanized Iron Tank)

Armstrong Truck Co., North Wales, Pa.
Colson Co. (The), Elyria, Ohio *See adv index at end of book*
Koven L. O. & Bro, Inc., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Littleford Bros., 444 E Pearl, Cincinnati, Ohio. *See adv index at end of book*
Vulcan Mfg. Co., 1200 4th S. Seattle, Wash.
Zering H. Mfg. Co., B. & O. Ry. & Hickory, Cincinnati, O. *See adv index at end of book*

16022a—Trucks (Gasoline Engine)

Electric Wheel Co., Station D, Quincy, Ill. *See adv index at end of book*
Empire Mfg. Co., Quincy, Ill.
Little J. R. Metal Wheel Co. (Steel Trucks), Quincy, Ill. *See adv index at end of book*
Milwaukee Locomotive Mfg. Co., ft. Belleview pl, Milwaukee, Wis. *See adv index at end of book*
Peru Plow & Wheel Co., Peru, Ill.
Wagner Mfg. Co. ("Wagner," 1 to 2½ H. P.), Cedar Falls, Ia.
Wisconsin Farm Implement Co. ("Wisconsin"), Beloit, Wis.

16023— Trucks (Hand)

Colson Co. (The), Elyria, Ohio *See adv index at end of book*
Crerar Adams & Co. ("Hercules" Pressed Steel & Tubular, Jobbers), 259 W Erie, Chicago, Ill.
Howe Chain Co., Muskegon, Mich.
Lakewood Engineering Co., Cleveland, O.
Interstate Bridge Forge & Mfg. Co., 721 Broad, Newark, N. J.
Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.
Pressman Edw., 1236 E 6th, Los Angeles, Cal.
St. Louis Truck & Mfg. Co., 3200 N Hall, St. Louis, Mo.
Sharon Pressed Steel Co. ("Bluenose"), Sharon, Pa.

16024—Trucks (Hook & Ladder)

American-La France Fire Engine Co. (Extension, etc), Elmira, N. Y.
Anderson Coupling & Fire Supply Co., Kansas City, Kans.
Federal Motor Truck Co., Campbell & Federal, Detroit, Mich.
Maxim Motor Co., Middleboro, Mass.
Perkins C. N. Co., Lawrence, Mass.
Pirsch, Peter & Co., Kenosha, Wis.
Portland Extension Ladder Co., 130 Orange, Newark, N. J.
Prospect Mfg. Co., Prospect, O.
Seagrave Co., Columbus, O.
Stewart A. F., Rochester, N. Y.

16025— Trucks (Ice)

Clark Geo. P. Co., ("Clark") Windsor Locks, Conn.
Columbus Iron Works (Combined Portable Hand Hoist & Truck), Columbus, Ga.
Pressman Edw., 1236 E 6th, Los Angeles, Cal.
Triumph Ice Machine Co. (Combined Portable Hand Hoist & Truck), Oakley, Cincinnati, O.

16025a—Trucks (Industrial)

Abell-Howe Co., 53 W Jackson, Chicago, Ill.

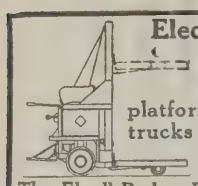
AUTOMATIC TRANSPORTATION CO., INC., 2939 Main, Buffalo, N. Y.
See adv index at end of book

Coast Supply Co., 590 Howard, San Francisco, Cal.

Colson Co. (The), Elyria, Ohio
See adv index at end of book

Cowan Truck Co. (Electric), H, Water, Holyoke, Mass.

Elwell-Parker Electric Co. (The) (Electric), 4205 St. Clair av, Cleveland, O.
See adv index at end of book



Electric Industrial TRUCKS

Crane, tractor, platform, dump, and lift trucks for use in warehouse and shop.

Catalog 145

The Elwell-Parker Electric Co., Cleveland

Fairbanks Morse & Co. (Storage Battery), 900 S Wabash av, Chicago, Ill.

Howe Chain Co., Dept. H, Muskegon, Mich.

Lakewood Engng. Co., Cleveland, Ohio

Mercury Mfg. Co. (Electric), 4018 S Halsted, Chicago

Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.

Reliance Trailer & Truck Co. Inc. ("Reliance" Gas), 1642 Howard, San Francisco, Cal.

ST. LOUIS TRUCK & MFG. CO. (Steel Trailers), 3200 N Hall, St. Louis, Mo.

Yale & Towne Mfg. Co. (Electric), Dept. H, Stamford, Conn.

Zering Mfg. Co., Oakley, Cinn., O.
See adv index at end of book

16026— Trucks (Ingot)

See also Trucks, Rolling Mill

Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*

Northern Engineering Works, 9 Chene, Detroit, Mich.

Weimer Machine Works Co., Lebanon, Pa.

16027— Trucks (Laundry)

(Names with * also manufacture Monel Metal)

Anderson Box & Basket Co. (& Bakers' etc.), Henderson, Ky.

Armstrong Truck Co. (Canvas or Wood) North Wales, Pa.

Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, O.
See adv index at end of book

Butler Basket Co. (Slab Bamboo), Butler, Ind.

Clark Geo. P. Co. ("Clark") Windsor Locks, Conn.

Colson Co. (The), Elyria, Ohio
See adv index at end of book

*Edwards Mfg. Co., Cincinnati, Ohio

Fairbanks Co., 416 Broome, New York

*Furman Engineering Co., 30 Church, New York

INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book

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Monel metal

LAUNDRY TRUCKS

Used Extensively Because They Are Rust-Proof.

Strong As Steel.

Do Not Stain Clothes.

The Modern Laundry Washers Are Constructed of Monel Metal.

SEE OUR INSERT AT MONEL METAL

THE INTERNATIONAL NICKEL COMPANY
67 Wall Street New York, N.Y.

*Koven & Bro., L. O., 154 Ogden av, Jersey City, N. J.

National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book

Peerless Wire Goods Co. (& Bakers), Dept. H, Lafayette, Ind.

*Sholes, Inc., 186 Lafayette, New York

16027a— Trucks (Library)

Art Metal Construction Co. (Steel), Jamestown, N. Y.

COLSON CO. (THE) ("Colson" Quiet), Dept. H, Elyria, O.
See adv index at end of book

Fairbanks Co., 416 Broome, New York

16028—Trucks (Logging & Lumber)

American Sawmill Machinery Co. (Lumber), Hackettstown, N. J.

Archer Iron Works, 2436 W 34th pl, Chicago, Ill.

Atlas Car & Mfg. Co. Cleveland, O.
See adv index at end of book

Bain Wagon Co., Kenosha, Wis., Cleveland, O.

Brown Bros. Co., 11 B'way, New York

Chickasaw Mach. & Fdry. Co., Memphis, Tenn.

Clark Geo. P. Co., Windsor Locks, Conn.

Cowan Truck Co., Holyoke, Mass.

Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*

ELECTRIC WHEEL CO. (Electric), Station D, Quincy, Ill.
See adv index at end of book

Empire Mfg. Co., Quincy, Ill.

Fairbanks Co., 416 Broome, New York

Ft. Smith Wagon Co. (Also Teaming), Ft. Smith, Ark.

Glascock Stove & Mfg. Co. (Lumber), Greensboro, N. C.

Grace C. M. & Co., Huntsville, Ala.

Hofius Steel & Equipment Co., L. C. Smith bldg, Seattle, Wash.

HUNT C. W. CO., West New Brighton, N. Y. *See adv index at end of book*

International Harvester Company of America (Inc.), ("Weber"), Harvester bldg, Chicago, Ill.

Janney & Co., Montgomery, Ala.

Kanawha Mfg. Co., Charleston, W. Va.

Kilbourne & Jacobs Mfg. Co., Columbus, O.

Kramer Wagon Co. ("Kramer"), Oil City, Pa.

Lane Mfg. Co., Montpelier, Vt.

Loggers & Contractors Mach. Co., 70 4th, Portland, Ore.

Luedinghaus-Espenschier Wagon Co., 1717 N. B'way, St. Louis, Mo.

Luther Frederick P. Co., 14 E Jackson blvd., Chicago, Ill.

Lyon Iron Works, Greene, N. Y.

Michigan Truck & Lumber Co. (Roller Bearing Yard Truck), Holly, Mich.

Mount Vernon Car Mfg. Co., Mount Vernon, Ill.

North Coast Dry Kiln Co., Seattle, Wash.

Northwestern Equipment Co., Northwestern Bank bldg, Portland, Ore.

Pacific Car & Foundry Co., Alaska bldg, Seattle, Wash.

Pekin Wagon Co., Pekin, Ill.

Plimpton Truck Co. ("Plimpton"), Stamford, Conn.

Ransome Concrete Machinery Co., Dunellen, N. J.

Russel Wheel & Foundry Co. (Logging), Chene Bl. & R. R., Detroit, Mich.

Sanford-Day Iron Works, Knoxville, Tenn.

Southern Engine & Boiler Mfg. Co., Jackson, Tenn.

Standard Saw Mill Machinery Co., Erie, Pa.

Standard Scale & Supply Co., Ltd., 1631 Liberty av, Pittsburg, Pa.

Strait H. N. Mfg. Co., Shawnee, Adams & Baird, Kansas City, Mo.

Streich A. & Bro. Co., Oshkosh, Wis.

Sumner Iron Wks., Everett, Wash.

Taylor Iron Works & Supply Co., Macon, Ga.

Towsley John T. Mfg. Co. (Lumber), 1087 Evans, Cincinnati, O.

Western Wheelbarrow Mfg. Co., South Fort Smith, Ark.

Zering H. Mfg. Co., B. & O. Ry. & Hickory, Oakley, Cincinnati, O.
See adv index at end of book

16029— Trucks (Mill)

Chase Foundry & Mfg. Co. The, 2700 S Parsons av, Columbus, O.
See adv index at end of book

Clark Geo. P. Co. ("Clark") Windsor Locks, Conn.

Columbus Truck & Supply Mfg. Co. (Doffing & Roving), Columbus, Ga.

Cowan Truck Co., Holyoke, Mass.

DELAWARE HARD FIBRE CO. (Hard Fibre), Wilmington, Del. Works: Marshallton, Del. *See adv index at end of book*

Diamond State Fibre Co. ("Diamond" Hard Fibre), Dept. 87, Bridgeport, Pa.
See adv index at end of book

Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*

Elwell-Parker Electric Co. (The) (Electric), 4205 St. Clair av, Cleveland, O.
See adv index at end of book

Fairbanks Co., 416 Broome, New York

Hesse-Ersted Iron Works, 468 E Taylor, Portland, Ore.

Hoosier Universal Machy. Co., Goshen, Ind.

Morris & Co., Groveville, N. J.

National Scale Co. ("National Chapman"), 11H Hendricks, Chicopee Falls, Mass.

National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book

Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.

Plimpton Truck Co. ("Plimpton"), Stamford, Conn.

Pressman Edw., 1236 E 6th, Los Angeles, Cal.

ROGERS FIBRE CO. ("Leatheroid"), 121 Beach, Boston, Mass.
See adv index at end of book

Spaulding Fibre Company Inc., North Rochester, N. H.
See adv index at end of book

Tucker & Dorsey Mfg. Co. (& Shop), E State & Bates, Indianapolis, Ind.

Wilson Andrew Co. (Metallic), 616 Essex, Lawrence, Mass.

Zering H. Mfg. Co., B. & O. Ry. & Hickory, Oakley, Cincinnati, O.
See adv index at end of book

16030— Trucks (Motor)

See also Automobile Builders

Acason Co. (The) ("Acason"), 3938 Chene, Detroit, Mich.

Acme Motor Truck Co., Cadillac, Mich.

Acme Wagon Co., Emigsville, Pa.

Ahrens Fox Fire Engine Co. (Fire), Colerain & Alfred, Cincinnati, O.

American Machine Co., Newark, Del.

American Motor Truck Co., Newark, O.

American Motor Truck & Tractor Co. ("American"), Portland, Conn.

Amer. Truck & Trailer Corp. ("Atco"), Stoddard pl, Kankakee, Ill.

Armleder O. Co. ("Armleder"), 12th & Plum, Cincinnati, O.

Atlas Truck Corp. ("Atlas"), York, Pa.

Atterbury Motor Car Co. ("Atterbury"), Elmwood & Hertel avs, Buffalo, N. Y.

Autocar Co. ("Autocar"), Dept. H, Ardmore, Pa.

Available Truck Co. ("Available"), 1539 N Kilpatrick, Chicago, Ill.

Avery Co. ("Avery"), Peoria, Ill.

Babcock H. H. Co. (Undertaker's & Ambulance Bodies), Watertown, N. Y.

Beck-Hawkeye Motor Truck Co. ("Beck"), Cedar Rapids, Ia.

Bessemer Motor Truck Co. ("Bessemer"), Grove City, Pa.

Bethlehem Motors Co. ("Bethlehem"), Allentown, Pa.

Birch Motor Cars Co. ("Birch"), 268 N Michigan av, Chicago, Ill.

Bowling Green Motor Truck Co., Bowling Green, O.

Brinton Motor Truck Co. ("Brinton"), 5805 Market, Phila., Pa.

Brockway Motor Truck Co. ("Brockway"), Cortland, N. Y.

Case J. I. Plow Wks. ("Case"), 6th & Mead, Racine, Wis.

Chevrolet Motor Co. ("Chevrolet"), Flint, Mich.

Chicago Motor Truck Co., 335 W 28th pl, Chicago, Ill.

Climber Motor Corp. ("Climber"), 207 W Markham, Little Rock, Ark.

Clydesdale Motor Truck Co. ("Clydesdale"), Clyde, O.

Collier Motor Truck Co. ("Collier"), Bellevue, O.

Columbia Motor Truck Co., Dept. H, Pontiac, Mich.

Comet Automobile Co., Decatur, Ill.

Commerce Motor Car Co. ("Commerce"), 7424 Mackle, Detroit, Mich.

Continental Truck Mfg. Co. ("Continental"), Superior, Wis.

Cook Motors Corp., Kankakee, Ill.

Corbitt Motor Truck Co. ("Corbitt"), Henderson, N. C.

Crane & Breed Mfg. Co. ("Crane & Breed" Hearses), 1227 W 8th, Cincinnati, O.

Dart Truck & Tractor Co. ("Dart"), Waterloo, Ia.

Day-Elder Motors Corp. ("Day-Elder" Worm Driver), 161 Ogden, Newark, N. J.

Defiance Motor Truck Co. ("Defiance"), Seneca, Defiance, O.

De Kalb Wagon Co., De Kalb, Ill.

De Martini Motor Truck Co. Inc. ("De Martini"), 435 Pacific, San Francisco, Cal.

Denby Motor Truck Co., Dept. H, Holbrook & G. T. R. R., Detroit, Mich.

Diamond T. Motor Car Co. ("Diamond T"), 4561 W 26th, Chicago, Ill.

Doane Motor Truck Co. ("Doane"), 423 2d, San Francisco, Cal.

Dodge Bros., Inc. ("Dodge"), 7900 Jascampau av, Detroit, Mich.

Dorris Motor Car Co., 4100 Laclede av, St. Louis, Mo.

Dort Motor Car Co., Flint, Mich.

Douglas Motors Corp. ("Douglas" 1½, 2 and 3 Ton), Omaha, Nebr.

Earl Motors ("Earl"), Le Roy & Horton, Jackson, Mich.

Forschler Motor Truck Mfg. Co. ("Forschler"), 1230H N Claiborne, New Orleans, La.

Federal Motor Truck Co. ("F-e-d-e-r-a-l"), 5780H Federal, Detroit, Mich.

Ford Motor Co. ("Ford"), Highland Park, Detroit, Mich.

Fulton Motor Truck Co., Webster av, Long Island, N. Y.

Garford Motor Truck Co. ("Garford"), Lima, Ohio

General Motor Truck Co. ("G. M. C." ¾-1 Ton, 2 Tons, 3½ Tons & 5 Tons), Pontiac, Mich.

Giant Truck Corp. ("Giant"), Chicago Heights, Ill.

Graham Bros. ("Graham"), Stringtown rd, Evansville, Ind.
H. R. L. Motor Co. ("H. R. L."), 3301 1st av S, Seattle, Wash.
Hamilton Motors Co. ("Apex"), Fulton, Grand Haven, Mich.
Hewett-Ludlow Auto Co. ("Hewitt-Ludlow" & "Hewitt-Talbot"), 147 11th, San Francisco, Cal.
Huffman Bros. Motor Co., Elkhart, Ind.
Independent Motor Truck Co. ("Independent"), 2d & Howell, Davenport, Ia.
Indiana Truck Co., Marion, Ind.
International Harvester Company of America (Inc.), (International Motor Trucks), Harvester bldg, Chicago, Ill.
International Motor Co. ("Mack," "Saurer" & "Hewitt," from 1500 lbs. to 10 tons), 25H B'way, New York
Italia Motor Truck Co. ("Italia"), 1346 Folsom, San Francisco, Cal.
Jackson Motors Corp. ("Jackson"), Jackson, Mich
Kelly Springfield Motor Truck Co. ("Kelly"), Springfield, O.
Keystone Motor Truck Corp. ("Keystone"), Oaks, Pa
Kimball Motor Truck Co. ("Kimball"), 1700 E 9th, Los Angeles, Cal.
Kissell Motor Car Co. ("Kissel"), Hartford, Wis.
Kleiber Motor Truck Co. ("Kleiber"), 11th & Folsom, San Francisco, Cal.
Koehler H. J. Motor Corp. ("Koehler"), Bloomfield, N. J.
Larrabee-Deyo Motor Truck Co. ("Larrabee"), Binghamton, N. Y.
Lewis-Hall Motors Corp. ("Hall"), Ferry av & G. T. Ry, Detroit, Mich.
Maxim Motor Co., Middleboro, Mass.
Minneapolis Steel & Machy. Co., 2854 Minnehaha av, Minneapolis, Minn.
Moreland Motor Truck Co. ("Moreland"), Burbank, Cal.
Muskegon Engine Co., Muskegon, Mich.
Northway Motors Corp. ("Northway"), Natick, Mass.
O'Connell Motor Truck Co. ("Super"), Waukegan, Ill.
Oshkosh Motor Truck Mfg. Co. ("Oshkosh"), Oshkosh, Wis.
Packard Motor Car Co., 1580 E Grand blvd, Detroit, Mich.
Paige Detroit Motor Car Co. ("Paige"), Dept. H, McKinstry & Fort, Detroit, Mich.
Power Truck & Tractor Co. ("Power"), Goodfellow av & Wabash R. R., St. Louis, Mo.
Rowe Motor Mfg. Co. ("Rowe"), Lancaster, Pa.
Ruggles Motor Truck Co., Saginaw, Mich.
Sanford Motor Truck Co. ("Sanford"), 107 St. Marks av, Syracuse, N. Y.
Selden Truck Corp. ("Selden"), Rochester, N. Y.
Southern Motor Mfg. Assn. ("Ranger"), Beatty bldg, Houston, Texas
Southern Truck & Car Corp. ("Southern"), Greensboro, N. C.
Standard Motor Truck Co., 1111 Bellevue av, Detroit, Mich.
Standard Steel Box Co., Bridgeville, Pa.
Stewart Motor Corp. ("Stewart"), 93 Broadway, Buffalo, N. Y.
Sullivan Motor Truck Corp. ("Sullivan"), 1703H East av, Rochester, N. Y.
Thomart Motor Co. ("Akron-Multi"), Kent, Ohio
Titan Truck Co. ("Titan"), 25th, Milwaukee, Wis.
Traffic Motor Truck Corp. ("Speedboy"), 5200 S 2d av, St. Louis, Mo.
Transport Truck Co. ("Transport"), Mt. Pleasant, Mich.
Twin City Co., 29th & Minnehaha av, Minneapolis, Minn.
United States Motor Co. "US", Covington, Ky.
Velie Motors Corp. ("Velie"), Moline, Ill.
Vreeland Motor Co. ("Ultimate"), Chestnut & Hillside, Newark, N. J.
Walker Vehicle Co., State & 87th, Chicago, Ill.
Ward La France Truck Corp., Jackson av & 139th, New York
Watson Products Corp. ("Watson"), Center, Canastota, N. Y.
Western Truck Mfg. Co. ("Western"), 3546 Ogden av, Chicago, Ill.
White Co. ("White"), 79th & St. Clair, Cleveland, O.
Wichita Motors Co. ("Wichita"), Wichita Falls, Tex.
Wilson J. C. & Co. ("Wilson"), 15th & Warren, Detroit, Mich.
Wisconsin Farm Tractor Co. ("Wisconsin"), Water, Sauk City, Wis.
Yellow Cab Mfg. Co., 5801 Dickinson, Chicago, Ill.

16031— Trucks (Moving)

Electric Wheel Co. (House), Station D, Quincy, Ill. *See adv index at end of book*
Grover File Co. (A Combination of Independent Rolls & Crowbars for Moving Heavy & Bulky Bodies), Nashua, N. H.
La Plant-Choate Mfg. Co., Cedar Rapids, Iowa

16032— Trucks (Packers')

Armstrong Truck Co., North Wales, Pa.
Baltimore Cooperage Co., The (For Butchers' & Packers'), Ostend & Leadenhall, Baltimore, Md.
Brecht Co., 1201 Cass av, St. Louis, Mo.
California Canning Machinery Co. ("Ice Tong Grip"), 776 W 10th, Riverside, Cal.
Clark Geo. P. Co. ("Clark") Windsor Locks, Conn.
Fairbanks Co. (For Packing Houses), 416 Broome, New York
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Lewis-Shepard Co. ("Jacklift" Master Truck), 577 E 1st, Boston, Mass. *See adv index at end of book*
LITTLEFORD BROS. (Galvanized), 444 E Pearl, Cincinnati, O. *See adv index at end of book*
National Scale Co. ("National Chapman"), 11H Hendricks, Chicopee Falls, Mass.
Plimpton Truck Co. ("Plimpton"), Stamford, Conn.
Premier Machinery Co., 310 Sansome, San Francisco, Cal. *See adv index at end of book*
Pressman Edw., 1236 E 6th, Los Angeles, Cal.
St. Louis Truck & Mfg. Co., 3200 N Hall, St. Louis, Mo.
Smith A. L. Iron Co., Dept. H, Chelsea, Mass.
Standard Scale & Supply Co., 1631 Liberty av, Pittsburgh, Pa.
Stebler, Parker Co., Inc. (Clamp), 171 9th, Riverside, Cal.
Sterling Wheelbarrow Co. ("Sterling" Sanitary), Milwaukee, Wis. *See adv index at end of book*
Stuebing Truck Co., 311 E Court, Cincinnati, O.
Western Wheelbarrow Mfg. Co., South Fort Smith, Ark.
Zering H. Mfg. Co., B. & O. Ry. & Hickory, Oakley, Cincinnati, O. *See adv index at end of book*

16033—Trucks (Paper Mill)

Armstrong Truck Co., North Wales, Pa.
Chase Foundry & Mfg. Co. The, 2700 S Parsons av, Columbus, O. *See adv index at end of book*
Clark Geo. P. Co. ("Clark") Windsor Locks, Conn.
Cowan Truck Co., Holyoke, Mass.
Elwell-Parker Electric Co. (The) (Electric), 4205 St. Clair av, Cleveland, O.
Fairbanks Co., 416 Broome, New York
Kantslip Co. (Steel & Wood), Freeport, Mich.
Lewis-Shepard Co. ("Jacklift" Master Truck), 577 E 1st, Boston, Mass. *See adv index at end of book*
Menasha Wood Split Pulley Co. ("Menasha"), Menasha, Wis.
Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.
St. Louis Truck & Mfg. Co., 3200 N Hall, St. Louis, Mo.
Stuebing Truck Co., 311 E Court, Cincinnati, O.
Zering H. Mfg. Co., B. & O. Ry & Hickory, Oakley, Cincinnati, O. *See adv index at end of book*

16033a—Trucks (Patent Leather)

Elwell-Parker Electric Co. (The) (Electric), 4205 St. Clair av, Cleveland, O. *See adv index at end of book*

16034— Trucks (Pipe)

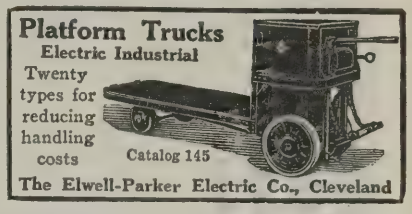
Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*
Fairbanks Co., 416 Broome, New York
HUNT C. W. CO., West New Brighton, N. Y. *See adv index at end of book*
Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.
Phillips Doup & Co. ("National"), 44th & 1st av, Brooklyn, N. Y.
Western Wheelbarrow Mfg. Co., South Ft. Smith, Ark.
Zering H. Mfg. Co., B. & O. Ry & Hickory, Oakley, Cincinnati, O. *See adv index at end of book*

16035—Trucks (Plate Glass)

Fairbanks Co., 416 Broome, New York
National Roll & Foundry Co. (Transfer), Avonmore, Pa.
Western Wheelbarrow Mfg. Co., South Ft. Smith, Ark.
Zering H. Mfg. Co., B. & O. Ry & Hickory, Oakley, Cincinnati, O. *See adv index at end of book*

16036— Trucks (Platform)

AUTOMATIC TRANSPORTATION CO., INC., 2939 Main, Buffalo, N. Y. *See adv index at end of book*
Chase Foundry & Mfg. Co. The, 2700 S Parsons av, Columbus, O. *See adv index at end of book*
Clark G. P. Co., Windsor Locks, Conn.
Colson Co. (The), Elyria, Ohio *See adv index at end of book*
Cowan Truck Co., Holyoke, Mass.
Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*
Elwell-Parker Electric Co. (The) (Electric), 4205 St. Clair av, Cleveland, O. *See adv index at end of book*



Fairbanks Co., 416 Broome, New York
Glascock Stove & Mfg. Co., Greensboro, N. C.
Lakewood Engng. Co. (Storage Battery), Cleveland, Ohio
Lupton's David Sons Co., Allegheny av & Tulip, Phila., Pa. *See adv at Shelving Steel*
Mercury Mfg. Co., 4118 S Halsted, Chicago
Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.
Plimpton Truck Co. ("Plimpton"), Stamford, Conn.
St. Louis Truck & Mfg. Co., 3200 N Hall, St. Louis, Mo.
Standard Improved Truck Co., 535 W Jackson blvd, Chicago, Ill.
Stebler Parker Co., Inc., 171 9th, Riverside, Cal.
Victor Truck Co. ("Victor" Hand), Johnsonburg, Pa.
Yale & Towne Mfg. Co. ("Yale" with Electric Power), Stamford, Conn.
Zering H. Mfg. Co., B. & O. Ry & Hickory, Oakley, Cincinnati, O. *See adv index at end of book*

16036a— *Trucks (Portable)

AUTOMATIC TRANSPORTATION CO., INC. (Trucks, Tiering), 2939 Main, Buffalo, N. Y. *See adv index at end of book*
Elwell-Parker Electric Co. (The) (Electric, "Hi-Lo"), 4205 St. Clair av, Cleveland, O.
Revolvator Co. ("Revolvator"), 395 Garfield av, Jersey City, N. J. *See adv index at end of book*

16037—Trucks (Printers' Form)

Armstrong Truck Co., North Wales, Pa.
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Fairbanks Co., 416 Broome, New York
Western Wheelbarrow Mfg. Co., South Ft. Smith, Ark.
Zering H. Mfg. Co., B. & O. Ry. & Hickory, Oakley, Cincinnati, Ohio *See adv index at end of book*

16038—Trucks (Publishers' Packing)

Armstrong Truck Co., North Wales, Pa.

16039— Trucks (Radiator)

Buell Bros., Fulton, N. Y.
Colson Co. (The), Elyria, Ohio *See adv index at end of book*
Lansing Co. ("Reynolds"), Lansing, Mich.
Zering H. Mfg. Co., B. & O. Ry & Hickory, Oakley, Cincinnati, O. *See adv index at end of book*

16040—Trucks (Roll Paper)

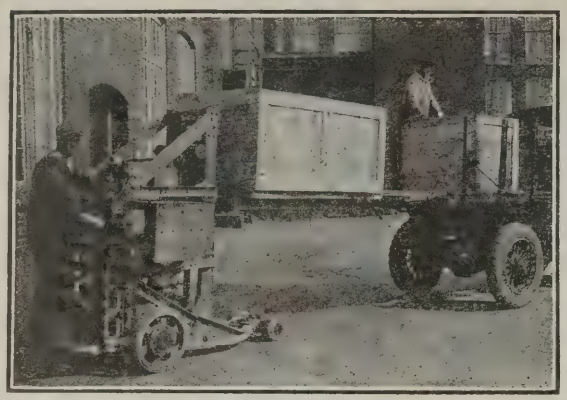
CHASE FOUNDRY & MFG. CO. THE, 2700 S Parsons av, Columbus, O. *See adv index at end of book*
Clark Geo. P. Co., Windsor Locks, Conn.
Cowan Truck Co. (Electric), Holyoke, Mass.
Elwell-Parker Electric Co. (The) (Electric), 4205 St. Clair av, Cleveland, O. *See adv index at end of book*
Illinois Iron & Bolt Co. ("Hercules" All Steel), Carpentersville, Ill.
Plimpton Truck Co. ("Plimpton"), Stamford, Conn.
St. Louis Truck & Mfg. Co., 3200 N Hall, St. Louis, Mo.
Western Wheelbarrow Mfg. Co., South Ft. Smith, Ark.
Zering H. Mfg. Co., B. & O. Ry & Hickory, Oakley, Cincinnati, O. *See adv index at end of book*

16041—Trucks (Rolling Mill)

See also Trucks, Foundry

Atlas Car & Mfg. Co., Cleveland, O. *See adv index at end of book*
CHASE FOUNDRY & MFG. CO. THE, 2700 S Parsons av, Columbus, O.
Cowan Truck Co., Holyoke, Mass.
Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*

(Continued on following page)



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Trucks (Rolling Mill)—Continued

Elwell-Parker Electric Co. (The) (Electric), 4205 St. Clair av, Cleveland, O.
See adv index at end of book
Fairbanks Co., 416 Broome, New York
Hockensmith Wheel & Mine Car Co. (Angle Bar), Penns Station, Pa.
Hunt C. W. Co., West New Brighton, N. Y.
See adv index at end of book
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Ladel Mfg. Co. ("Ladel"), New Philadelphia, O.
Lansing Co., Lansing, Mich.
Morgan Construction Co., Worcester, Mass.
Northern Engineering Works, 9 Chene, Detroit, Mich.
Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.
Phillips Doup & Co. ("National"), 44th & 1st av, Brooklyn, N. Y.
St. Louis Truck & Mfg. Co., 3200 N Hall, St. Louis, Mo.
Weimer Machine Works Co. ("Weimer"), Lebanon, Pa.
Western Wheelbarrow Mfg. Co., South Ft. Smith, Ark.
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.
Zering H. Mfg. Co., B. & O. Ry & Hickory, Oakley, Cincinnati, O.
See adv index at end of book

16042— Trucks (Scoop)

Lansing Co. ("Climax"), Lansing, Mich.

Trucks (Sheet Iron)

See Trucks, Rolling Mill

16043-4— Trucks (Slag)

Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.
Traylor Engineering & Mfg. Co. (Elliptical Bowl), Allentown, Pa.

16045-6—Trucks (Steel, Factory, Etc.)

Angle Steel Stool Co., Otsego, Mich.
Art Metal Construction Co. (Coin), Jamestown, N. Y.
Bernstein Mfg. Co., 3d & Allegheny av, Phila., Pa.
Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Central States Steel Equipment Co. ("Better-Bilt" & "Central States"), Center & Allen, Joliet, Ill.
Clark Geo. P. Co., ("Clark") Windsor Locks, Conn.
Cleveland Wire Spring Co. (Barrel), 1281 E. 38th, Cleveland, O.
Colson Co. (The), Elyria, Ohio
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*
Electric Wheel Co., Station D, Quincy, Ill.
See adv index at end of book
Elwell-Parker Electric Co. (The) (Electric), 4205 St. Clair av, Cleveland, O.
See adv index at end of book
Globe Vise & Truck Co., Grand Rapids, Mich.
Heller P. A. & Sons (Standard or Special), 213 State, Detroit, Mich.
Howe Chain Co., Muskegon, Mich.
Illinois Iron & Bolt Co. ("Hercules" All Steel for Railroad, Mill, etc), Carpentersville, Ill.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Koven L. O. & Bro, Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Library Bureau (Office), Dept. H, Cambridge, Mass.
New Britain Machine Co. ("New Britain," 2 & 3 Tray), 190 Chestnut, New Britain, Conn.
Ohio Galvanizing & Mfg. Co., Niles, O.
OVEN EQUIPMENT & MFG. CO. ("Crawford" for Enameling Ovens), P. O. Box 1923, New Haven, Conn.
See adv index at end of book
OXWELD ACETYLENE CO. (Two Wheel for Oxygen & Acetylene Cylinders), 30 E 42nd, New York
See adv index at end of book
Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.
Phillips Doup & Co. ("National"), 44th & 1st av, Brooklyn, N. Y.
ST. LOUIS TRUCK & MFG. CO. ("American"), 3200 N Hall, St. Louis, Mo.
Smith A. L. Iron Wks., Dept. H, Chelsea, Mass.
Van Dorn Iron Works Co. (Steel Drying & Bread Trucks), 2700 E 79th, Cleveland, O.
Western Wheelbarrow Mfg. Co., South Ft. Smith, Ark.
Zering H. Mfg. Co., B. & O. Ry & Hickory, Oakley, Cincinnati, O.
See adv index at end of book

Trucks (Steel, Gasoline Engine)

See Trucks, Gasoline Engine

16047-8— Trucks (Storage Battery)

Anderson Electric Car Co., Aberle, Detroit, Mich.
Atlas Car & Mfg. Co. (Warehouse, Baggage & Factory), Cleveland, O.
See adv index at end of book
AUTOMATIC TRANSPORTATION CO., INC. ("Automatic"), 2939 Main, Buffalo, N. Y.
See adv index at end of book
Bailey & Co., Amesbury, Mass.
Baker R. & L. Co., 2180 W 25th, Cleveland, O.
Buda Co., Harvey, Ill.
Century Mfg. Co., 421 E Canfield, Detroit, Mich.
Champion Wagon Co., Oswego, N. Y.
Commercial Truck Co. of America ("C-T"), Hunting Park & Rising Sun av, Phila., Pa.
Couple Gear Electric Truck Co. ("Couple Gear"), Grand Rapids, Mich.
Cowan Truck Co., Holyoke, Mass.
Dayton Elec. Car Co., Dayton, O.
Elwell-Parker Electric Co., 4205 St. Clair av, Cleveland, O.
See adv index at end of book
Gallon Dynamic Motor Truck Co., Gallon, Ohio
General Vehicle Co., Long Island City, N. Y.
Grinnell Elec. Car Co., 473 Woodward av, Detroit, Mich.
Healey & Co., 252 W 68th, New York
Hoagland-Thayer Inc., 95 Central, Newark, N. J.
Ky. Wagon Mfg. Co., 3d & K, Louisville, Ky.
Lakewood Engng. Co. (Platform & Elevating), Cleveland, Ohio
Lansing Co., Lansing, Mich.
Lupton's David Sons Co., Allegheny av & Tulip, Phila., Pa.
See adv at Shelving Steel
Mercury Mfg. Co. 4118 S Halstead, Chicago, Ill.
Moore Sam'l L. & Sons Corp., Elizabeth, N. J.
Walker Vehicle Co., State & 37th, Chicago, Ill.
Ward Motor Vehicle Co., Mt. Vernon, N. Y.
Waverly Co., 139 S East, Indianapolis, Ind.
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

16049—Trucks (Store, Warehouse & Factory)

Aermotor Co., 2500 W 12th, Chicago, Ill.
Armstrong Truck Co., North Wales, Pa.
Ashboro Wheelbarrow Co., Ashboro, N. C.
Atlas Car & Mfg. Co., Cleveland, O.
AUTOMATIC TRANSPORTATION CO., INC., 2939 Main, Buffalo, N. Y.
See adv index at end of book
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
Barrett-Cravens Co., 1328 W Monroe, Chicago, Ill.
Belcher & Taylor Agl. Tool Co., Chicopee Falls, Mass.
Bond Chas. Co., 617-619 Arch, Phila., Pa.
Brown Truck Mfg. Co., Ralston, Neb.
Bryan Mfg. Co., P. O. Box D, Bryan, O.
Buda Co., Harvey, Ill.
California Canning Machinery Co. ("Ice Tong Grip"), 776 W 10th, Riverside, Cal.
Chase Foundry & Mfg. Co. The, 2700 S Parsons av, Columbus, O.
See adv index at end of book
Chattanooga Wheelbarrow Co. (Grocery & Wheel), 1300 E 14th, Chattanooga, Tenn.
Clark Geo. P. Co., Windsor Locks, Conn.
COLSON CO. (THE), Dept. H, Elyria, O.
See adv index at end of book
Columbian Mail Crane Co. ("Columbian" Steel), Columbus, O.
Cowan Truck Co., Holyoke, Mass.
Crerar Adams & Co. ("Hercules" Pressed Steel & Tubular), 3550 S Morgan, Chicago, Ill.
Cummings Josiah & Son, ("Hub" Fibre), 657 Atlantic av, Boston, Mass.
Dexter Metal Mfg. Co., (Steel) 93 Arch, Camden, N. J.
Dietz Fred Co., 1102 Madison av, Indianapolis, Ind.
Eames Co., 920 Howard, San Francisco, Cal.
Elwell-Parker Electric Co. (The) (Electric, 4205 St. Clair av, Cleveland, O.
Equipment Manufg. Co., Leader-News bldg, Cleveland, O.
Fairbanks Co., 416 Broome, New York
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Fox Z. F. & Son ("Fox"), Freeport, Mich.
Glascock Stove & Mfg. Co., Greensboro, N. C.
Globe Vise & Truck Co., Grand Rapids, Mich.
Grand Rapids Hand Screw Co., Grand Rapids, Mich.
Grote F. Mfg. Co. (Tobacco), Evansville, Ind.
Heller P. A. & Sons, 213 State, Detroit, Mich.
Hoosier Universal Machy. Co., Goshen, Ind.
Howe Chain Co., Dept. H, Muskegon, Mich.
Howe Scale Co., Rutland, Vt.
Hubbard Pressed Steel Co., Niles, O.
Illinois Iron & Bolt Co. ("Hercules" All Steel), Carpentersville, Ill.
Interstate Bridge Forge & Mfg. Co., 721 Broad, Newark, N. J.
Kantslip Co., Freeport, Mich.
Kelly-Derby Co., 321 N Crawford, Chicago, Ill.
Kilbourne & Jacobs Mfg. Co., Columbus, Ohio
Koenig Edward L. & Co., 25 W Kinzie, Chicago, Ill. *See adv index at end of book*
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
Ladel Mfg. Co. ("Ladel"), New Phila., O.
Lakewood Engng. Co., Cleveland, Ohio
Lansing Co. ("Reynold's Improved"), Lansing, Mich.



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Frames of steel angles
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Laundries	Bakeries
Factories	Department Stores
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Steamships	



Warehouse stocks in principal cities

See Address and Local Distributors' Section

The COLSON Company, Elyria, Ohio

LEWIS-SHEPARD CO. ("Jacklift" Master Truck), 577 E 1st, Boston, Mass.
See adv index at end of book
Lyon Metallic Mfg. Co. ("Lyon" Steel), Aurora, Ill.
Menasha Wood Split Pulley Co. ("Lawson"), Menasha, Wis.
Messinger Mfg. Co., Tatamy, Pa.
Michigan Truck & Lumber Co., Holly, Mich.
Morris Truck & Wheel Co., Inc., 760 S 42nd, Phila., Pa.
National Scale Co. ("National Chapman"), 11H Hendricks, Chicopee Falls, Mass.
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
Norwich Wire Works, Norwich, N. Y.
Nutting Truck Co., Fairbault, Minn.
Omaha Folding Machine Co., Omaha, Nebr.
Packer Thos. ("Bristol's"), Union City, Conn.
Packers & Canners Equipment Co., 860 S 1st, San Jose, Cal.
Peck C. A. Hardware Co. (Automatic), Berlin, Wis.
PENN FOUNDRY & MFG. CO., Wyomissing, Reading, Pa.
Phillips Doup & Co. ("National"), 44th & 1st av, Brooklyn, N. Y.
Plimpton Truck Co. ("Plimpton"), Stamford, Conn.
Premier Machinery Co., 310 Sansome, San Francisco, Cal.
See adv index at end of book
Pressman Edw., 1236 E 6th, Los Angeles, Cal.
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
See adv index at end of book
Rowe Henry Mfg. Co., Newaygo, Mich.
ST. LOUIS TRUCK & MFG. CO. (Steel, "American"), 3200 N Hall, St. Louis, Mo.
Schriver O. P. & Co. ("I. X. L."), 621 E Pearl, Cincinnati, O.
Smith A. L. Iron Wks, Dept. H, Chelsea, Mass.
Standard Improved Truck Co., 535 W Jackson blvd, Chicago, Ill.
Standard Scale & Supply Co., 1631 Liberty av, Pittsburgh, Pa.
Stebler Parker Co., Inc. (Clamp), 171 9th, Riverside, Cal.
Streich A. & Bro. Co., Oshkosh, Wis.
Stuebing Truck Co., 311 E Court, Cincinnati, O.
Swift Mfg. Co., Waterloo, Ia.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Tanner D. F., Holland, N. Y.
Towsley John T. Mfg. Co., 1037 Evans, Cincinnati, O.
Tucker & Dorsey Mfg. Co., E State & Bates, Indianapolis, Ind.
Westbrook Elevator Mfg. Co., Danville, Va.

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B. & O. R. R. and Hickory Sts., Cincinnati, Ohio
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Western Wheelbarrow Mfg. Co., South Fort Smith, Ark.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.
Whiting Corp. (Shop & Yard), Harvey, Ill.
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.
ZERING H. MFG. CO., B. & O. Ry. & Hickory, Oakley, Cincinnati, O.
See adv index at end of book

16050— Trucks (Stove)

Arcade Mfg. Co. ("Baltzy" Steel, "Standard" Adjustable & "Perfect" Steel), Freeport, Ill.
Chicago Hardware Foundry Co. ("Harper Handy"), 546 W Washington, N Chicago, Ill.
Clark George P. Co., Windsor Locks, Conn.
Cowan Truck Co., Holyoke, Mass.
Hill C. V. & Co., Trenton, N. J.
Howes S. M. Co., 42 Union, Boston, Mass.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Lewis-Shepard Co. ("Jacklift" Master Truck), 577 E 1st, Boston, Mass.
See adv index at end of book
Mersick C. S. & Co., New Haven, Conn.
National Scale Co. ("National Chapman"), 11H Hendricks, Chicopee Falls, Mass.
Plimpton Truck Co. ("Plimpton"), Stamford, Conn.
Tucker & Dorsey Mfg. Co. ("Daisy"), Indianapolis, Ind.
Universal Caster & Foundry Co. ("Universal" Ball Bearing), 574 Ferry, Newark, N. J. See The Bassick Co., Bridgeport, Conn.
Western Wheelborraw Mfg. Co., South Fort Smith, Ark.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.
Zering H. Mfg. Co., B. & O. Ry & Hickory, Oakley, Cincinnati, O.
See adv index at end of book

16051— *Trucks (Tote Box)

Colson Co. (The), Elyria, Ohio
See adv index at end of book
Ohio Mfg. Co., P. O. Box 145, Painesville, Ohio *See adv index at end of book*

16051a— Trucks (Transfer)

Chase Foundry & Mfg. Co. The, 2700 S Parsons av, Columbus, O.
See adv index at end of book
Crerar Adams & Co. (Jobbers), 259 W Erie, Chicago, Ill.

16052— Trucks (Triangular)

Fairbanks Company, 416 Broome, New York

16052a—*Trucks (Two Wheel, etc.)

Colson Co. (The), Elyria, Ohio
See adv index at end of book
ST. LOUIS TRUCK & MFG. CO. (Steel, also 4 Wheel), 3200 N Hall, St. Louis, Mo.

16053-4—Trucks (Varnish Kettle)

Frelinger J. G. Iron Works, (Roller Bearing), 115 W 2nd, Cincinnati, O.
Littleford Bros., 444 E Pearl Cincinnati, O.
See adv index at end of book
Ohio Machine & Boiler Co., 1510H University rd, Cleveland, O.
Quaker City Iron Works, Tioga & Richmond, Phila., Pa.

16055—Trucks (Wire Mill)

Atlas Car & Mfg. Co., Cleveland, O.
See adv index at end of book
Bates Machine Co., Joliet, Ill.
Chase Foundry & Mfg. Co. The, 2700 S Parsons av, Columbus, O.
See adv index at end of book
Cowan Truck Co., Holyoke, Mass.
Fairbanks Co., 416 Broome, New York
Morgan Construction Co., Worcester, Mass.
Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.
Plimpton Truck Co. ("Plimpton"), Stamford, Conn.
Vaughn Machinery Co., Cuyahoga Falls, O.
Western Wheelbarrow Mfg. Co., South Fort Smith, Ark.

16056— Trumpets (Fire)

Braxmar C. G. Co. (Dealers), 10 Maiden la, New York
Cairns & Bro., 186 Lafayette, New York
International Silver Co., Meriden, Conn.
Porter Co. (Also Ship & Deck), 241 Water, New York

16057— Trunk Mfrs.

See also Traveling Bags & Suit Cases

ALABAMA.

BIRMINGHAM—Birmingham Trunk Factory

ARIZONA.

PHOENIX—Doster S. J.

ARKANSAS.

LITTLE ROCK—Waldenberger Harness & Trunk Co.

CALIFORNIA.

LOS ANGELES—Burroughs-White Trunk Co.
California Trunk Corp., 739 N Spring
Kantbrake Trunk Factory, 768 N B'way
Los Angeles Telescope Co.
SACRAMENTO—Longshore James
SAN DIEGO—San Diego Trunk & Bag Co.
SAN FRANCISCO—Friedberg-Grunauer Co., 44 Fremont
Henderson J. H. Co., 1769 Howard
Hirschfelder & Meaney, 36 Battery
Maim C. A. & Co., 2199 Folsom
Pacific Luggage Factory ("Everlasto"), 2600 Taylor
Pacific Trunk & Bag Co., 592 Howard

COLORADO.

DENVER—Meek A. E. Trunk & Bag Co., 1009 16th
Shwayder Trunk Mfg. Co., 1558 Platte

DELAWARE.

WILMINGTON—Delaware Hard Fibre Co.
See adv index at end of book

GEORGIA.

ATLANTA—Footes Trunk & Bag Factory

ILLINOIS.

BLOOMINGTON—Ruh Geo. W.
CHICAGO—Abrams Trunk Co., 1234 W Chicago av
American Trunk & Case Co., 29 S Wells
Becker P. & Co., 212 W Monroe
Dick J. H., 645 W. Madison
Fitzgerald Trunk Co. (Sample, Sole Leather), 1214 Wells
Hartmann Trunk Co., 626 S Michigan av
Haskell Bros. (Sample), 165 N Green
Kuntzendorf C. & Co., 653 S Wells
McNamara J. H. Trunk Co., 64 E Monroe
Schuessler Wm., 12 N Market
Stone Bros. & Co., 1501 Polk
Taylor C. A. Trunk Works, 28 E Randolph
Weick Martin Co., 1623 S Ashland av
Wilt Chas. T., 173 W Madison
DECATUR—Decatur Trunk Factory
PEORIA—Peoria Trunk Factory
QUINCY—Gem City Trunk Mfg. Co.

(Continued on following page)

Trumpets (Fire)—Continued

INDIANA.

EVANSVILLE—Evansville Trunk Co., 315 Main
KOKOMO—Kokomo Trunk Co.
MISHAWAKA—National Veneer Products Co. ("Indestructo")

IOWA.

BURLINGTON—Jacoby J. H. & Co.
DUBUQUE—Enzler Jos. A.

KANSAS.

WICHITA—Wichita Trunk Co.

KENTUCKY.

LOUISVILLE—Laub Bros.

LOUISIANA.

NEW ORLEANS—Crescent Trunk Co., (Ltd.), 311 Girod
Mack Trunk Co. (Ltd.), 157 Baronne
SHREVEPORT—Kidd Russ Trunk & Bag Co.

MAINE.

BANGOR—Parkhurst J. F. & Son Co.
PORTLAND—Brackett J. L. & Co., 265 Middle

MARYLAND.

BALTIMORE—Gorman Chas. B., 329 N Howard
Gorman Chas. B., 329 N Howard
Prager Geo., 58 E Hill
Richards Trunk Mfg. Co., 200 W Mulberry
Tuerke Baggage Builder, 212 W Lexington

MASSACHUSETTS.

BOSTON—Bowker Bros. (Fibre Trunks & Cases), 23 Otis
Cummings Josiah & Son (Rawhide Vulcanized Fibre), 657 Atlantic av
Cutter & Cutter, 124 Bedford
New England Trunk Co., 26 Chauncy
Rogers Fibre Co. ("Leatheroid"), 121 Beach *See adv index at end of book*
Winship W. W., 71 Summer
LOWELL—Devine P. F.
WEST SOMERVILLE—Horton & Hubbard Mfg. Co.
Reed Edward E. Co.
WESTBORO—Westboro Trunk & Bag Co.
WESTFIELD—Crane Brothers (Limenoid)

MICHIGAN.

DETROIT—Kittle H. M. & Co., 197 Jefferson av
Maier Martin & Co., 532 Woodward
Wedell & Boers, 28 Jefferson av
GRAND RAPIDS—Grand Rapids Trunk Co.
Groskopf Brothers
SAGINAW—Lieberman Trunk Co.
WYANDOTTE—Beals & Selkirk Trunk Co. (Leather)

MINNESOTA.

DULUTH—Duluth Trunk Co.
MINNEAPOLIS—Barnum Trunk Co., 804 Nicollet av
Flour City Trunk Co., 115 2d av, S E
Lorenz Wm. Trunk Wks Inc., 213 Marquette av
Northwestern Trunk Co., 243 Nicollet av
ST. PAUL—Bisenius G. L. Trunk Co., 360 Jackson
Garland F. V. Co., 42 E 6th

MISSOURI.

KANSAS CITY—Books Trunk Co., 19 E 8th
Excelsior Trunk Co., 704 Delaware
Jensen Trunk Factory, 102 W 9th
Luce Trunk Factory, 1026 Maine
ST. JOSEPH—Heumader Chris, 1302 Water
ST. LOUIS—Horn T. L. Trunk Co., 5398 Pershing
Murphy P. C. Trunk Co., 506 N 3rd
Quirk James A. Trunk Co., 721 Cass
St. Louis Basket & Box Co., Wharf & Penrose

NEBRASKA.

OMAHA—Eggers-O'Flyng Co.
Freling & Steinle
Omaha Trunk Factory

NEW JERSEY.

NEWARK—Bal Wm. Co., 14 Johnson
Goldsmith L. & Son (Wardrobe), Canal & Cherry
Khin Trunk & Bag Co., 215 Bergen
National Trunk & Bag Co., 86 S Orange av,
Rauchbach-Goldsmith Co., St. Francis & Komar
PATERSON—Wetzel John F., 52 Washington

NEW YORK.

BUFFALO—Bingham Trunk Co., 39 Mechanic
Buffalo Trunk Mfg. Co., 127 Cherry
NEW YORK—Abramovitz & Schwarts, 195 Wooster
Ajax Trunk & Sample Case Co. (Suit Case Trunks, Sample Cases, etc), 6 LaSalle
Bears B., 1048 3d av
Berg Auto Trunk & Spec. Co., 353 5th av
Casey Trunk Co., 224 W 35th
Crouch & Fitzgerald (Sample, Sole Leather), 417 W 28th
Fiberide Sample Trunk Co., 252 Lafayette
Fibre Sample Case & Trunk Co., 535 B'way
Heaton & Vierling, 21 W 3d
Innovation Trunk Co., 329 5th av
Leatheroid Mfg. Co., 45 W 16th
Lercher A. 125 Broome
Lissa Hy. & Co., 443 B'way
Oelman S. Trunk Co., 29 Howard
Pinkosowitz Abraham, 113 Second
Standard Trunk Mfg. Co., 535 B'way
Taylor C. A. Trunk Works, 210 W 44th
United Automobile Trunk Co. Inc., 28 W 23rd
Weller M & Son, 83 Wooster
PATCHOGUE—Patchogue Trunk Works
ROCHESTER—Likly Henry & Co. (Wardrobe, Sample, etc)
Zelter Harry L.
SYRACUSE—Syracuse Trunk Co.
UTICA—Faber H. C. & Son Co. (Fibre Sample Trunks),
Winship W. W. & Sons Co.

OHIO.

CINCINNATI—American Trunk Co., 1039 Central av
Drucker & Co. (Sample), 6 W 4th
Mendel, Drucker Co., 708 Walnut
Menzel Trunk Co., 8 N Canal
CLEVELAND—Cleveland Trunk Co., 1317 Euclid av
Faber Jacob, 1955 E 9th
Galvanized Products Co., 8410 Lake av
Likly & Rockett Trunk Co., 1365 Euclid av
COLUMBUS—Hughes Jno. R. & Co., 40 N High
Stallman F. A. (Dresser), 57 E Spring
Spring
NORWOOD—Mendel-Drucker Co.
TOLEDO—Wilmington & Co.

OREGON.

PORTLAND—Harris Trunk Mfg. Co., 130 6th
Multnomah Trunk & Bag Co., 192 Thompson
Perfecto Trunk Mfg. Co., 60 3rd

PENNSYLVANIA.

KENNETT SQUARE—Fibre Specialty Mfg. Co. (Fibre Sample Trunks)
PHILADELPHIA — Arata & Co., 1726 Chestnut
Bains G. B. & Son, 1028 Chestnut
Cramer & Sherr 429 E. Moyer
Heller Samuel, 345 N 2d
McQuinn Robert & Co., 422 Market
Regenbogen Philip, 736 South
Rhode Brothers, 254 S Third
Seafried Bros., 2811 Girard av
Seitz J. H. & Son, 414 Brown
Simons & Co. (Carpet), 908 Chestnut
PITTSBURGH—American Trunk & Bag Co., 109 Federal
B. B. & B. Trunk Co., Ohio & Sandusky
Kleber Trunk Co., 2308 Josephine
Penn Trunk Co., 82 Washington
Pittsburgh Trunk Co., 1041 Gibbon

RHODE ISLAND.

PROVIDENCE—Providence Trunk Co., 457 Westminster

TENNESSEE.

KNOXVILLE—Beaman Trunk Co., 813 S Central
Whittle Trunk & Bag Co., 6th & Glenwood
MEMPHIS—Ferguson G. B., McCall bldg
NASHVILLE—Nashville Trunk & Mfg. Co., 114 3rd av N
White Trunk & Bag Co., 609 Church

TEXAS.

DALLAS—Pollack Henry Trunk Co.
Wilkins Trunk Mfg. Co.
GALVESTON—John R. H. Jr.
WACO—South Bros. Trunk Co. ("South Bros. Guarantee Baggage"), 2025-29H Franklin

VIRGINIA.

PETERSBURG—Petersburg Trunk & Bag Co.
Rogers & Madison
Seward Trunk & Bag Co.
Totty Trunk & Bag Co.
Virginia Trunk & Bag Co.
RICHMOND—Rountree H. W. & Bro.
Union Trunk & Bag Co.

WASHINGTON.

SEATTLE—Butterfield Trunk Co.
Seattle Suit Case, Trunk & Bag Mfg. Co., 212 2d

WISCONSIN.

EAU CLAIRE—Eau Claire Trunk Co.
GREEN BAY—Green Bay Trunk & Bag Co.
MILWAUKEE—Abel & Bach Co. (Sole Leather)
Barth James H., 449 E Water
Burroughs Geo. & Sons, 424 E Water
Schoen & Walter Co., 762 11th
Western Grip & Trunk Co., 791 30th
OSHKOSH—Bauer Trunk & Bag Co.
Oshkosh Trunk Co.
Schmit Trunk & Bag Co.
RACINE—Hartmann Trunk Co.
Racine Trunk Co.

16057a—*Trunk (Wardrobe, Fixtures)

Milwaukee Stamping Co., W Allis, Milwaukee, Wis.
See adv index at end of book
Parsons Specialty & Machine Works (Also Trolley), 2427 N 4th, Phila., Pa.

16058—Trunk & Bag Trimmings

See also Hardware Manufacturers, Trunk & Bag

DU PONT E. I. DE NEMOURS & CO. INC., Fabrikoid Div. ("Fabrikoid"), Newburgh, N. Y. *See adv index at end of book*
Graton & Knight Mfg. Co. (Leather Handles, Straps, Corners, Loops, etc.), 244 Franklin, Worcester, Mass.
Jenkinson R. C. & Co., 293 Washington, Newark, N. J.
Schlegel Mfg. Co. (Automobile), 277 N Goodman, Rochester, N. Y.

16059—Trunks (Automobile)

Abel & Bach Co., Milwaukee, Wis.
Ajax Trunk & Sample Case Co. ("Ajax"), 6 LaSalle, New York
Bal William Co. ("Bal Built"), Newark, N. J.
Berg Auto Trunk & Specialty Co. ("Bergrade"), 353 5th av, New York
Bosler Leather Goods Co., 1935 Wabash av, Chicago, Ill.
Boyle Jno. & Co., 112 H Duane, New York
Cutter & Cutter, 124 Bedford, Boston, Mass.
Eau Claire Trunk Co., Eau Claire, Wis.
Eifert Paul, Grand Rapids, Mich.
Fitzgerald Trunk Co., 1214 Wells, Chicago, Ill.
Fuller G. W. Co. ("Fuller"), 314 Asylmn, Hartford, Conn.
Goldsmith L. & Son, Canal & Cherry, Newark, N. J.
Hartmann Trunk Co., Racine, Wis.
Kronauer Chas. & Co. ("Kronauer's"), 344 Fulton, Chicago, Ill.
Likly Henry & Co., Rochester, N. Y.
McDonald Alexander, 15 Beacon, Boston, Mass.
McKane-Lins Co., 81 Wisconsin, Milwakkee, Wis.
Mendel-Drucker Co., Floral & Park, Cincinnati, Ohio
Milwaukee Auto Specialty Co. ("Masco"), 711 Chestnut, Milwaukee, Wis.
Multnomah Trunk & Bag Co., 192 Thompson, Portland, Ore.
Nathan Novelty Mfg. Co. ("Nathan"), 2157 Prospect av, New York
New England Trunk Co., 26 Chauncey, Boston, Mass.
Niagara Auto Radiator Co., 151 W 68th, New York
Planet Co. ("Duplex" Folding), Westfield, Mass.
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
See adv index at end of book
Ruch Autombile Top Co., Mt. Vernon, N. Y.
Sage Trunk Co., 10 Wash. No., Boston, Mass.
Stallman F. A., 57 E Spring, Columbus, O.
Taylor C. A. Trunk Works ("Taylor Made"), 23 E Randolph, Chicago, Ill.
Warren Leather Goods Co., Worcester, Mass.
Wilt Chas. T., 173 W Madison, Chicago, Ill.
Winship W. W., 71 Summer, Boston, Mass.
Winship W. W. & Sons Co., Utica, N. Y.
Wizard Lunch Kit Co., The, 1801 Divisadero, San Francisco, Cal.

16060— Trunks (Automobile Tire)

Ajax Trunk & Sample Case Co., 6 LaSalle, New York
Berg Auto Trunk & Specialty Co. ("Bergrade"), 353 5th av, New York
Fitzgerald Trunk Co., 1214 Wells, Chicago, Ill.
Fuller G. W. Co. ("Fuller"), 314 Asylmn, Hartford, Conn.
Goldsmith L. & Son ("G. & S. Neverbreak"), Cherry, Newark, N. J.
McDonald Alexander, 15 Beacon, Boston, Mass.
Milwaukee Auto Specialty Co. ("Mason"), 711 Chestnut, Milwaukee, Wis.
Nathan Novelty Mfg. Co. ("Nathan"), 2157 Prospect, New York
Sage Trunk Co., 10 Washington N, Boston, Mass.
Simon S. C. & Company ("S. C. S. Luggage"), 404 Brown, Phila., Pa.
Stallman F. A., 57 E Spring, Columbus, O.
Taylor C. A. Trunk Works ("Taylor Made"), 23 E Randolph, Chicago, Ill.
Winship W. W., 71 Summer, Boston, Mass.

16061— Trunks (Wardrobe)

Kleber Trunk Co., 2308 Josephine, Pittsburgh, Pa.
Murphy P. C. Trunk Co., 506 N 3rd, St. Louis, Mo.
Rogers Fibre Co. (Leatheroid Mfg. Co.) ("Leatheroid"), 121 Beach, Boston, Mass. *See adv index at end of book*

16061a— *Trunks & Suit Cases (Sample Fibre)

Mutnomah Trunk & Bag Co., 80 E Water, Portland, Ore.
ROGERS FIBRE CO. ("Leatheroid"), 121 Beach, Boston, Mass.
See adv index at end of book

16062—Tryers (Butter & Cheese)

Burrell D. H. & Co., Inc. ("Burrell-Simplex"), Little Falls, N. Y.
Landers, Frary & Clark (Cast Iron), New Britain, Conn.

16063— Tryers (Ham)

American Cutlery Co., 764 Mather, Chicago, Ill.
Osborne C. S. & Co., Box 183, Newark, N. J.
See adv index at end of book
Stortz Jno. & Son, 210 Vine, Phila., Pa.
Stroh Steel Hardening Process Co., Pittsburgh, Pa.
Vaughan & Bushnell Co., 2114 Carroll av, Chicago, Ill.

16064— Tryers (Tallow)

Burrell D. H. & Co., Inc. ("Burrell-Simplex"), Little Falls, N. Y.
Emrich Phil. (For Tanners), 824 Main, Cincinnati, O.

16065— Tube Mill Linings

Abbe Paul O. Inc., 924 Johnston bldg., New York. *See adv index at end of book*
Abbe Engineering Co., 38 Church, New York *See adv index at end of book*
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Stroh Steel Hardening Process Co., 1st National Bank bldg, Pittsburgh, Pa.

Tube Mills

See Pipe & Tube Mills & Tube Mill Machinery

16066—Tubes (Arch & Stay)

Bourne Fuller Co., Hanna bldg, Cleveland, O.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
National Tube Co. ("Shelby" Seamless Steel), Frick bldg, Pittsburgh, Pa.
Weinhagen & Hespe, 1509 Leonard, New York
Weldless Tube Co., Wooster, Ohio

Tubes (Asbestos)

See Tubing, Asbestos Braided

16066a—Tubes (Barometer)

Corning Glass Works, Corning, N. Y.

16067— Tubes (Boiler)

See also Pipe & Tube Mills

Albert & Davidson Pipe Corp., 256-264 Oakland, Brooklyn, N. Y.
See adv index at end of book
Allegheny Steel Co. ("Reliance," Charcoal Iron & Steel), Oliver bldg, Pittsburgh, Pa.
American Tube & Pipe Bending Co., 880 E 72nd, Cleveland, O.
BABCOCK & WILCOX TUBE CO., Beaver Falls, Pa.
Bethlehem Steel Co., Bethlehem, Pa.
Boiler Tube Co. of America, 1228 Park bldg, Pittsburgh, Pa.
See adv index at end of book

BOILER TUBE CO. OF AMERICA
1228 Park Building Pittsburgh, Pa.
Curved tubes for Stirling, Ladd, Erie City, Badenhausen, Rust and all other vertical and multiple drum water tube boilers furnished promptly.
Works: CARNEGIE, PA.

Bourne Fuller Co., Hanna bldg, Cleveland, O.
Castle A. M. & Co. (Lap-Weld & Seamless), 1132 Blackhawk, Chicago, Ill.
CLEVELAND TOOL & SUPPLY CO. (Dealers), 1427-37 W. 6th, Cleveland, Ohio
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Delaware Seamless Tube Co., Auburn, Pa.
See adv index at end of book
Detroit Seamless Steel Tubes Co. (Cold Drawn Seamless Steel), Warren & Wyoming, Detroit, Mich.
Fisher C. W., 52H B'way, New York
Foster Mfg. & Supply (Lap Weld, Seamless & Charcoal Iron), 20th & Venango, Phila., Pa.
Frick & Lindsay Co., Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Giberson E. D. & Co., Inc., 44 Rector, New York.
See adv index at end of book

BOILER TUBES
Lapwelded Steel—Seamless Steel—Charcoal Iron
Large Stocks Maintained. Immediate Shipments from Pittsburgh and New York Warehouses.
E. D. GIBERSON & COMPANY
Incorporated
44 Rector Street New York
Telephone: Bowling Green 2570

Globe Seamless Steel Tubes Co. (Seamless Cold Drawn Steel), Peoples Gas bldg, Chicago, Ill.
JOHNSON-PETER CO., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Keating E. F Co. (Iron & Steel), 446 Water, New York
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
McMann & Taylor Co., 104 John, New York
See adv index at end of book
Mark Mfg. Co. (Lap Welded), Evanston, Ill.; Works: Zanesville, O.
Monongahela Tube Co. (Iron & Steel), Ferguson bldg, Pittsburgh, Pa.
National Tube Co. ("National," Spellerized Lap-Welded Steel, "Shelby" Seamless Steel), Frick bldg, Pittsburgh, Pa.
OCEAN SHORE IRON WORKS (Dirs), 550 8th, San Francisco, Cal.
Parkesburg Iron Company (Charcoal Iron), Parkesburg, Pa.
Pennsylvania Boiler Works, Erie, Pa., Export Dept, 43 Cedar, New York
Pittsburgh Steel Products Co. (Seamless Steel), Union Arcade bldg, Pittsburgh, Pa.
Reading Iron Co. (Wrought Iron Charcoal Iron), Baer bldg, Reading Pa.
Republic Pipe & Iron Corp., 23-29 Varick av, Brooklyn, N. Y.
See adv index at end of book
Ryerson Joseph T & Son, 2558 W. 16th, Chicago, Ill *See adv index at end of book*
Spang, Chalfant & Co. (Butt & Lap Welded Wrought Iron & Steel), Union Bank bldg, Pittsburgh, Pa.
Tyler Tube & Pipe Co. (Lap Welded, Knobled Charcoal Iron & Algerite Iron Special), Washington, Pa.
Walsh & Weidner Boiler Co., Dept H, Chattanooga, Tenn.
Weldless Tube Co., Wooster, Ohio
Williams & Co., Inc. (Charcoal Iron, Lap Welded Steel, Seamless Steel), 901-937 Pennsylvania av, Pittsburgh, Pa.
Youngstown Sheet & Tube Co., Youngstown, Ohio

16067a—*Tubes (Boiler Bent)

American Tube & Pipe Bending Co., 880 E 72nd, Cleveland, O.
BOILER TUBE CO. OF AMERICA, 1228 Park bldg, Pittsburgh, Pa.
See adv index at end of book
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa
See adv index at end of book

16068— Tubes (Bottle)

Aldrich Mfg. Co., 57 Illinois, Buffalo, N. Y.
Ray Geo. A. Mfg. Co. (Silvered), 1495 Niagara, Buffalo, N. Y.
St. Louis Paper Can & Tube Corp. (Fibre), St. Louis, Mo.

Tubes (Carbon)

See Carbon Mfrs.

16068a—Tubes (Candle, Electric)

Lincoln Mfg. Co., 2630 Erskine, Detroit, Mich.
Wilmington Fibre Specialty Co., Wilmington, Del.

16069— Tubes (Collapsible)

Aluminum Co. of America, Oliver bldg, Pittsburgh, Pa.
Bond Mfg. Co. ("Bond Crown" Metal), Wilmington, Del
Consolidated Fruit Jar Co. (Plain & Decorated), New Brunswick, N. J.
NATIONAL CAN CORPORATION, Detroit, Mich.
New England Collapsible Tube Co. (Tin), New London, Conn.
Peerless Tube Co. (Tin), Bloomfield, N. J.
Standard Specialty & Tube Co., New Brighton, Pa.
United American Metals Corp., 192 Diamond, Brooklyn, N. Y.
Western Aluminum Co., 231 N Wells, Chicago, Ill.
Wheeling Stamping Co. (Pure Tin & Pure Lead, Plain or Decorated), Wheeling, W. Va.
White Metal Mfg. Co. (Tin, Tincoated Lead, Plain & Decorated), 1066H Clinton, Hoboken, N. J.
Wilson Wyle T. (Collapsible), Oriana & Cumberland, Phila., Pa.
Wirz A. H. Inc., Chester, Pa.

16069a— Tubes (Combustion)

Baker & Co., Inc., 54 Austin, Newark, N. J.
Thermal Syndicate Ltd., 58 Schenectady av, New York

16069b— Tubes (Condenser)

AMERICAN BRASS CO. (Brass & "Admiralty"), Waterbury, Conn.
For branch offices see adv index at end of book
BALTIMORE TUBE CO., Wicomico & Ostend, Baltimore, Md.
See adv index at end of book
Bridgeport Brass Co. ("Muntz" & "Admiralty"), Dept. H, Bridgeport, Conn.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Wheeler Condenser & Engng. Co. ("Creacent Brand"), W. Carteret, N. J.

16069c— Tubes (Cooling)

Thermal Syndicate Ltd., 58 Schenectady, New York

Tubes (Copper)

See Tubing, Brass & Copper

16070— Tubes (Fibre)

Anderson W. H. Tool & Supply Co., Franklin & Dubois, Detroit, Mich.
BRANDYWINE FIBRE PRODUCTS CO., E Wilmington, Del.
See adv index at end of book
Continental Fibre Co., Newark, Del.
Delaware Hard Fibre Co. (Fibre), Wilmington, Del.
See adv index at end of book
Mikesell Bros. Co., Wabash, Ind.
See adv index at end of book
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
Paraffin Co.'s, Inc., 475 Brannan, San Francisco, Cal.

16071— *Tubes (Flashlight)

Delaware Hard Fibre Co., Wilmington, Del.
See adv index at end of book
Winchester Repeating Arms Co., 275 Winchester, New Haven, Conn.

16072— Tubes (Fuse)

Brandywine Fibre Products Co., E Wilmington, Del.
See adv index at end of book
Continental Fibre Co. ("Bakelite-Dilecto"), Newark, Del.
DELAWARE HARD FIBRE CO. (Hard Fibre for Enclosed Fuses), Wilmington, Del. Works: Marshallton, Del.
See adv index at end of book
Mikesell Bros. Co., Wabash, Ind.
See adv index at end of book
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
Standard Fibre Co. (Hard Fibre), Miller, Somerville, Mass.

16073—Tubes (Grain Drill)

Cincinnati Rubber Mfg. Co., Norwood, Cincinnati, Ohio
See adv index at end of book
Goodrich B. F. Co. (Rubber), Akron, O.
Manhattan Rubber Mfg. Co., Passaic, N. J.
Youngstown Pressed Steel Co. (Pressed Steel), Warren, O.
See adv index at end of book

16074— Tubes (Graphite)

Acheson Graphite Co., Niagara Falls, N. Y.

16075—Tubes (Gravity Carrier)

Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book

(Continued on following page)

Tubes (Gravity Carrier)—Continued

Mohegan Tube Co., 304-400 Scott av, Brooklyn, N. Y.
See adv index at end of book
National Tube Co., Frick bldg, Pittsburgh, Pa.

16076— Tubes (Gun)

Schoverling, Daly & Gales (Dealer), 302 B'way, N. Y.
Tryon Edw. K. Co., 817 Arch, Phila., Pa.

16077— Tubes (Igniting)

Bradford Motor Wks., Bradford, Pa.
Hough Chas. N. Mfg. Co. (Nickel Alloy for Gas Engines), Franklin, Pa.

16078—Tubes (Inner Automobile)

American Tire & Rubber Co., Akron, O.
Archer Tire & Rubber Co. ("Archer" Grey), 711 15th av N E, Minneapolis, Minn.
Century Plainfield Tire Co. ("Century"), North av, Plainfield, N. J.
Chanslor & Lyon Co. ("C. & L."), 730 Polk, San Francsco, Cal.
Cigol-Behrens Rubber Co., Lodi, N. J.
Colby Compression Tube Co., Inc., 361 E Burnside, Portland, Ore.
Columbia Tire & Rubber Co., Mansfield, O.
Columbia Tire Corp. ("C. T. C."), Columbia blvd & Miss. av, Portland, Ore.
Continental Rubber Works ("Vitalic"), Erie, Pa.
Cord Tire Corp., Chester, W. Va.
Eno Rubber Corp. ("Economic"), 1026 S Los Angeles, Los Angeles, Cal.
Falls Rubber Co. ("Evergreen"), Cuyahoga Falls, O.
Goodrich B. F. Co., Akron, O.
Goodyear Tire & Rubber Co., Akron, O.
Hamilton Rubber Mfg. Co., Trenton, N. J.
Hardman Rubber Cork, New Brunswick, N. J
Hewitt Rubber Co., 246H Kensington av, Buffalo, N. Y.
Howe Rubber Co., New Brunswick, N. J.
Ideal Tire & Rubber Co., Warner rd, Cleveland, Ohio
Indiana Rubber & Insulated Wire Co., P. O. Box 192, Jonesboro, Ind.
Keystone Rubber Mfg. Co. ("Keystone," "Mooray"), Erie, Pa.
King Tire & Rubber Co., Foothill blvd & Stanley rd, Oakland, Cal.
Kokomo Rubber Co., Kokomo, Ind.
Lee Tire & Rubber Co. ("Lee"), Conshocken, Pa.
McGraw Tire & Rubber Co. ("Imperial"), East Palestine, O.
McLean Tire & Rubber Co., East Liverpool, Ohio
Mansfield Tire & Rubbebr Co. ("Mansfield" & "Ohio"), Mansfield, O.
Mason Tire & Rubber Co., Kent, Ohio
Michelin Tire Co. (Red), Milltown, N. J.
Mississippi Valley Rubber Co. ("Mississippi"), Iowa City, Iowa
Mohawk Rubber Co., Akron, O.
Monarch Tire Co., Hartville, Ohio
National Rubber Co. ("Special Red," "Pure Gum Gray"), Pottstown, Pa.
New Jersey Car Spring & Rubber Co. ("Wemaka"), 91 Brunswick, Jersey City, N. J.
Northwestern Rubber Co. ("Northwestern"), Kent, Wash.
Parker-Stearns & Co. ("Alpha" Pure Red Rubber), 286 Sheffield, Brooklyn, N. Y.
Pennsylvania Rubber Co., Jeannette, Pa.
Perfection Tube Co., Painesville, O.
Quaker City Rubber Co., 3927 Comly, Philadelphia, Pa.
See adv index at end of book
Reilly Rubber Co. ("Reilly"), 2432 E 56th, Los Angeles, Cal.
Republic Rubber Corp., Dept H, Youngstown, O.
Rubber Products Corp. ("Black Stripe"), Barberton, Ohio
Sound Rubber Co. ("Sound"), 6220 S Union, Tacoma, Wash.
Spreckels "Savage" Fire Co. ("Savage"), 2301 Main, San Diego, Cal.
Standard Tire & Rubber Mfg. Co., Willoughby, Ohio
Thermoid Rubber Co. ("Thermoid," "Testoid," "De Luxe"), Trenton, N. J.
Trent Rubber Co., Trenton, N. J.
Tyer Rubber Co. ("Tyrian"), Andover Mass.
Victor Rubber Co., Springfield, Ohio
Vulcan Rubber Co., Erie, Pa.
Western Rubber Co., Goshen, Ind.
Yale Tire & Rubber Co. ("Yale"), New Haven, Conn.

16079—Tubes (Inner Bicycle)

Indiana Rubber & Insulated Wire Co., P. O. Box 192, Jonesboro, Ind.
Pennsylvania Rubber Co., Jeannette, Pa.

16080-1—Tubes (Mailing, Etc.)

AMERICAN CAN CO., 120 B'way, New York *See adv index at end of book*
Bennett Paper, Can & Tube Co., 291 10th, San Francisco, Cal.
Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
See adv index at end of book
Brown Co. (Laminated One Inch To Four Inch Inside Diameter), Fidelity bldg, Portland, Me.
Brown Jas. Jr. (Paper & Worsted Tubes & Cones), Ring & Main, Phila., Pa.
Chicago Mailing Tube Co., 425 S Hoyne av, Chicago, Ill.
Chicago Paper Tube & Can Co. (Paper for Mailing, Electrical Purposes, etc), 168 W May, Chicago, Ill.
Cumberland Valley Paper Box Co., Hagerstown, Md.
Eagle Envelope Co. (For Parcel Post), 431 S Dearborn, Chicago, Ill.
Elastoid Fibre Co. ("Elastoid" Paper), Waltham, Mass.
Empire Paper Tube & Box Co., 1132 B'way, New York
Estes E. B. & Sons (Wooden), 364 5th av, New York *See adv index at end of book*
Gates-Burns Paper Products Corp., 3714 S Park av, Los Angeles, Calif.
Hoffman J. C., Inc., 2595-3rd av, New York
Illinois Paper Can & Tube Co., 19th & Belmont av, East St. Louis, Mo.
International Mailing Tube & Wrapper Co. (also "Peerless" Waterproof Plant Tubes), 212 Concord, Brooklyn, N. Y.
Interstate Corrugated Box Co., 75 Front, Brooklyn, N. Y.
Kern & Son, 409 Pearl, New York
Lincoln Paper Co., Lincoln, Nebr.
Lindley Box & Paper Co., Marion, Ind.
Lowell Paper Tube Corp., Lowell, Mass.
McCreary Mfg. Co., Erie, Pa.
Michigan Paper Tube & Can Co., 5201 Lorraine, Detroit, Mich.
NATIONAL PAPER PRODUCTS CO. ("National"), 528 Battery, San Francisco, Cal.
See adv index at end of book
Pairpoint Corp. (Electrical Purpose), New Bedford, Mass.
Pull The String Mailing Wrapper Co., 18 E Kinzie, Chicago, Ill.
R. C. Can Co., 121 Chambers, St. Louis, Mo.
Renshaw Jones & Sutton Co., 1231 S San Pedro, Los Angeles, Cal.
Ritchie W. C. & Co., 831 W Van Buren, Chicago, Ill.
Rochester Paper Products Co., Rochester, N. Y.
St. Louis Paper Can & Tube Co., Big Bend rd, St. Louis, Mo.
St. Louis Tissue & Mfg. Co., 2417 Chauteau av, St. Louis, Mo.
Seeley Tube & Box Co., 344 Central av, Newark, N. J.
Shryock J. K., 301H N. 2nd, Phila., Pa.
Stettler F. C. Mfg. Co., Oregon & Occident, Portland, Ore.
Stiles H. A. & Co. (Wood), 166-174 Portland, Boston, Mass.
See adv index at end of book
Thames River Specialties Co., Uncasville, Conn.
Thompson & Norris Co., The, 212 Concord, Brooklyn, N. Y.
UNION PAPER CO. (Also Cans, Boxes, etc), 844 Washington, New York
See adv index at end of book
Ware Co., 150 B'way, New York
Wilson Wyle T., Oriana & Cumberland, Phila., Pa.

Tubes (Metal Collapsible)

See Tubes Collapsible

16082— Tubes (Mica)

American Mica Products Co., 1015 N Halsted, Chicago, Ill.
CHICAGO MICA CO. (All Grades in Round, Square & Hexagon Shapes), Campbell, Valparaiso, Ind.
See adv index at end of book
Macallen Co., 16 Macallen, So. Boston, Mass.
Mica Mfg. Co., 135 Johnson, Brooklyn, N. Y.
Mikesell Bros. Co., Wabash, Ind.
See adv index at end of book
New England Mica Co., Waltham, Mass.

16083— Tubes (Milking)

Cincinnati Rubber Mfg. Co., Norwood, Cincinnati, Ohio
Pilling Geo. P. & Son Co., 23d & Arch, Phila., Pa.

16084—Tubes (Motor Cycle)

Indiana Rubber & Insulated Wire Co., P. O. Box 192, Jonesboro, Ind.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
Weldless Tube Co., Wooster, Ohio

16084a— Tubes (Nickel)

Am. Nickel Corp. (Seamless, Welded), Clearfield, Pa.
Electrical Alloy Co. (Small Tubes), Morristown, N. J.
Mohegan Tube Co., 304-400 Scott av, B'klyn, N. Y.
See adv index at end of book

Tubes (Paper)

See Tubes, Mailing, etc

16085— Tubes (Porcelain)

Akron Smoking Pipe Co. (Also Clay), Mogadare, O.
Brunt Porcelain Co. The ("Brunt"), Chaseland, Columbus, O.
Carey Ohio Porcelain Co., Carey, O.
Freeman E. H. Electric Co., Trenton, N. J.
Guernsey Earthenware Co., Cambridge, O.
Illinois Electric Porcelain Co., Macomb, Ill.
Trenle Porcelain Co., East Liverpool, O.

16086— Tubes (Pyrometer)

Carborundum Co., Niagara Falls, N. Y.
Driver-Harris Co., Harrison, N. J.
See adv index at end of book
Hardite Metals Inc., 103 Park av, New York
MOHEGAN TUBE CO. (Also Pump & Rectangular), 304-400 Scott av, B'klyn, N. Y.
See adv index at end of book
Thermal Syndicate, Ltd. ("Viteosil" Pure & Fused Silica), 58 Schenectady, New York

16086a-7—Tubes (Radio Vacuum)

American Radio & Research Corp., 203 College av, Medford Hillside, Mass.
Andrea Frank A. D., 1581 Jerome av, New York
Atlantic Radio Supplies Co., 8 Kirk pl, Newark, N. J.
Colburn Gear Mfg. Co., 1 Woodworth, Dorchester, Boston 22, Mass.
Conn. Tel. & Elec. Co. ("Connecticut"), Meriden, Conn.
Crocker Wheeler Co., Ampere, N. J.
Cunningham E. T. ("Cunningham"), 248 1st, San Francisco, Cal.
De Forest Radio Tel. & Telg. Co., 1415 Franklin, Jersey City, N. J.
Freed-Eiseman Radio Corp., Sperry, New York
Horne Mfg. Co., 243 Mercer, Jersey City, N. J.
Pacific Radio Supplies Co., 638 Mission, San Francisco, Cal.
Pacent Elec Co., 22 Park pl, New York
Radio Audion Co., 90 Oakland av, Jersey City, N. J.
Radio Corp. of Am. ("Radiotron"), 64 Broad, New York
Remler Radio Mfg. Co., 248 1st, San Francisco, Cal.
SCOVILL MFG. CO. (Metal Parts), Waterbury, Conn.
See adv index at end of book
Ship Owners Radio Service (Dirs.), 80 Washington, New York
Waterbury Button Corp., Waterbury, Conn. *See adv index at end of book*
Western Elec. Co., 195 B'way, New York
Westinghouse Elec. & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

16088— *Tubes (Steel)

See also Tubing-Steel

Elyria Iron & Steel Co. (The), 230 E 131st, Cleveland, Ohio
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
LARKIN & CO., J. K. (Welded & Seamless), 253 Broadway, New York
See adv index at end of book
Mohegan Tube Co., 304-400 Scott av, B'klyn, N. Y.
See adv index at end of book
Ward's Edgar T. Sons Co. ("Ward"), 394 Frelinghuysen av, Newark, N. J.

16089— Tubes (Wire)

Central Metal Products Co. ("C. M. P."), Canton, Ohio
Electric Railway Equipment Co. (Splicing), 2900H Cormany av, Cincinnati, O.
Superior Spring Co., Mfrs. bldg, Springfield, Ohio

16089a— Tubing (Aeroplane)

Aluminum Company of America, 2301 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book
Empire Art Metal Co., Inc., College Point, L. I., N. Y.
Empire Tube & Steel Corp., College Point, N. Y.
Frasse Peter A. & Co. Inc., 417 Canal, New York
Globe Seamless Steel Tubes, H, Peoples Gas bldg, Chicago, Ill.
Ivins Elwood Tube Wks., Oak Lane Sta., Phila, Pa.
Mohegan Tube Co., 304-400 Scott av, B'klyn, N. Y.
See adv index at end of book
National Tube Co., Frick bldg, Pittsburgh, Pa.
Penn Flexible Metallic Tubing Co., Broad & Race, Phila., Pa.

Stimson Edwin H. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Ward's Edgar T. Sons, Co. ("Ward"), 394 Frelinghuysen av, Newark, N. J.
Weldless Tube Co., Wooster, Ohio

16090— Tubing (Aluminum)

Aluminum Company of America (Seamless), 2301 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book
Amalgamated Metals Selling Co. Ltd., 120 E 16th, New York
Bradford Co. (Imp.), 250 5th av, New York
Hough W. S. Co., Dept. H, Attleboro, Mass.
Ivins Elwood Tube Works (Seamless), Oak Lane, Phila., Pa.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Rome Hollow Wire & Tube Co., Rome, N. Y.
United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.

16091—Tubing (Asbestos Braided)

American Asbestos Co., Norristown, Pa.
Argus Asbestos Co., Inc., Port Chester, N. Y.
Asbestos Fibre Spinning Co., North Wales, Pa.
Asbestos Materials Corp., Millington, N. J.
Elastoid Fibre Co., ("Elastoid"), Walthan, Mass.
General Asbestos & Rubber Co., Charleston, S. C.
Johns-Manville, Inc. ("J. M."), Madison av & 41st, New York
Keasbey & Mattison Co., Ambler, Pa.
Mikesell Bros. Co., Wabash, Ind.
See adv index at end of book
U. S. Asbestos Co., 45H N Duke, Lancaster, Pa.
Watson H. F. Co., Erie, Pa.

16091a— Tubing (Automobile)

Bourne Fuller Co., Hanna bldg, Cleveland, O.
Calumet Steel Co., 203 S La Salle, Chicago, Ill.
Central Metal Products Corp., Canton, O.
Cincinnati Rubber Mfg. Co., Norwood, Cincinnati, Ohio
CLEVELAND TOOL & SUPPLY CO. (Dealers), 1427-37 W. 6th, Cleveland, O.
Cortland Steel Tube Co. ("Corsteco"), Cortland, Ohio
Globe Seamless Steel Tubes Co., H, Peoples Gas bldg, Chicago, Ill.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Mohegan Tube Co. (Exhaust, Metal of Various Kinds), 304-400 Scott av, B'klyn, N. Y.
See adv index at end of book
Rotary Tire & Rubber Co., Zanesville, O.
STANDARD STEEL TUBE CO., Toledo, O.
Triangle Conduit Co. Inc., 52 Columbia Heights, Brooklyn, N. Y.
Ward's Edgar T. Sons Co. ("Ward"), 394 Frelinghuysen av, Newark, N. J.
Weldless Tube Co., Wooster, Ohio
Williams & Co., Inc., 901-937 Pennsylvania av, Pittsburgh, Pa.

16091b—*Tubing (Automobile Pump)

Cortland Steel Tube Co. ("Corsteco"), Cortland, Ohio
Globe Seamless Steel Tubes Co., H, Peoples Gas bldg, Chicago, Ill.
Thermoid Rubber Co., Trenton, N. J.

16092-3—Tubing (Bedstead)

Calumet Steel Co., 203 S La Salle, Chicago, Ill.
Central Metal Products Corp., Canton, O.
Cortland Steel Tube Co. ("Corsteco"), Cortland, Ohio
Elyria Iron & Steel Co. (High Carbon Steel Welded Butted & Brazed), 232 E. 131st, Cleveland, O.
Giberson E. D. & Co., Inc., 44 Rector, New York.
See adv index at end of book

BEDSTEAD TUBING
Light and Full Weight Untested Pipe
E. D. GIBERSON & COMPANY
Incorporated
44 Rector Street New York
Large stocks maintained. Immediate shipments from Pittsburgh and New York warehouses.
Telephone: Bowling Green 2570

Globe Seamless Steel Tubes Co., H, Peoples Gas bldg, Chicago, Ill.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book

Sheet Brass and Bronze
Copper in Rolls
BUS BAR COPPER
Seamless Tubes
BRASS COPPER
Condenser Tubes
ADMIRALTY MUNTZ
Brass Pipe
BALTIMORE TUBE COMPANY
Incorporated
General Offices and Mills BALTIMORE, MARYLAND
Branches and Agencies
BOSTON NEW YORK PHILADELPHIA SAN FRANCISCO CHICAGO CLEVELAND
PITTSBURGH DENVER NEW ORLEANS OGDEN DETROIT MONTREAL

Larkin J. K. & Co., 253 B'way, New York
MOHEGAN TUBE CO., 304-400 Scott av, B'klyn, N. Y.
See adv index at end of book
National Tube Co. ("National" Welded "Shelby" Seamless Round, Square, Rectangular, etc), Frick bldg, Pittsburgh, Pa.
Rome Mfg. Co. Inc., Dept. H, Rome, N. Y.
Waterbury Mfg. Co., Division Chase Companies, Inc., Waterbury, Conn.
Wheeler Condenser & Engng. Co. ("Crescent Brand"), W. Carteret, N. J.

16094— Tubing (Bicycle)

See also Tubing, Steel

CLEVELAND TOOL & SUPPLY CO. (Dealers), 1427-37 W. 6th, Cleveland, Ohio
Cortland Steel Tube Co. ("Corsteco"), Cortland, Ohio
Elyria Iron & Steel Co. (The), 230 E 131st, Cleveland, Ohio
Empire Tube & Steel Corp., College Point, N. Y.
Frasse Peter A. & Co. (Inc.), 417 Canal, New York
Giberson E. D. & Co., Inc., 44 Rector, New York *See adv index at end of book*
Globe Seamless Steel Tubes Co., H, Peoples Gas bldg, Chicago, Ill.
Ivins Elwood Tube Wks., Oak Lane sta., Phila., Pa.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
MOHEGAN TUBE CO., 304-400 Scott av, B'klyn, N. Y.
See adv index at end of book
National Tube Co. ("Shelby" Seamless Steel), Frick bldg, Pittsburgh, Pa.
Rome Mfg. Co. Inc., Dept. H, Rome, N. Y.
STANDARD STEEL TUBE CO., Toledo, O.
Ward's Edgar T. Sons Co. ("Ward"), 394 Frelinghuysen av, Newark, N. J.
Williams & Co. Inc., 907-937 Pennsylvania av, Pittsburgh, Pa.

16095— Tubing (Brass, Bronze & Copper)

AMERICAN BRASS CO. (Seamless & Brazed), Waterbury, Conn.
For branch offices see adv index at end of book
American Tube Works ("Green's," "Alston's," "Adams'," Seamless Drawn), 10 Oliver, Boston, Mass.
BALTIMORE TUBE CO., Wicomico & Ostend, Baltimore, Md.
See adv index at end of book
Bridgeport Brass Co. (Bronze & Copper Seamless), Dept. H, E Main, Bridgeport, Conn.
Bridgeport Metal Goods Mfg. Co. (Pressed Drawn Brass), Pine & Cherry, Bridgeport, Conn.
Bristol Brass Co. (Brass Brazed Only), Bristol, Conn.
British American Metals Co. (Seamless), 233 Broadway, New York
Central Metal Products Corp., Canton, O.
Chase Metal Works, Div. Chase Co.'s, Inc. ("Chase"), Waterbury, Conn.
Chase Rolling Mills, Div. of Chase Companies, Inc. ("Chase"), Waterbury, Conn.
Coe Brass Mfg. Co., Torrington, Conn.
Conklin Brass & Copper Co., T. E. (Seamless & Brazed), 54-60 Lafayette, New York
See adv index at end of book

TUBING—BRONZE
Nearly three-quarters of a century serving the trade.
LARGE ASSORTED STOCK
FOR IMMEDIATE DELIVERY
T. E. Conklin Brass & Copper Co., Inc.
54-60 Lafayette Street, New York
Established 1860 Tel. Franklyn 2900

Continuous Rolling Mills, Inc. (Seamless), Garwood, N. J.
Crane Co., 836 S. Michigan av, Chicago, Ill.
See adv index at end of book
Croton Mfg. Co. (Lock Joint Steel Lined Brass Tubing), Croton on Hudson, N. Y.
Dallas A. C. & Son (Brass & Copper), 225 N Jefferson, Chicago, Ill.
Dallas Brass & Copper Co., 820 Orleans, Chicago, Ill.
Detroit Copper & Brass Mills, Clark av nr Wabash R. R., Detroit, Mich.
French Mfg. Co. (Seamless Brass, Small Sizes Only), Waterbury, Conn.
Gardner B. M. Co., Guardian bldg, Cleveland, O.
Graff A. & Sons (Brass), 39 Shipley, San Francisco, Cal.
Hough W. S. Co. (Brass & Copper), Dept. H. Attleboro, Mass.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Industrial Steel Corp., 2704 Greenview, Chicago, Ill.
Ivins Elwood Tube Works (Seamless), Oak Lane Station, Phila., Pa.
Johnson-Peter Co., Terminal Warehouse (Seamless Brass & Copper), Pittsburgh, Pa. *See adv index at end of book*
Klenke F. J. Co. ("Diamond K"), 309 Memia, San Francisco, Cal.
Larkin J. K. & Co. (Brass & Copper), 253 B'way, New York
See adv index at end of book
Livermore Homer F., Inc., 85 Pearl, Boston, Mass.
McKenna Brass Mfg. Co. (Jobbers), 1st av & Ross, Pittsburgh, Pa.
McMann & Taylor Co., 104 John, New York
See adv index at end of book
Manhattan Brass Co. (Brass & Bronze), 332 E 28th, New York
Marwedel C. W. (Brass & Copper Jobbers), 76 1st, San Francisco, Cal.
Merchant & Evans Co. (Jobbers), Washington av & 21st, Phila., Pa.
Michigan Copper & Brass Co. (Brazed), 5841 W Jefferson av, Detroit, Mich.
National Brass & Copper Tube Co., 30 Church, New York

(Continued on following page)

Tubing (Brass, Bronze & Copper)—Continued

National Co. (Seamless), Waterbury, Conn.
North American Copper Co., 52 Vanderbilt av, New York
Philadelphia Brass Co., East Downingtown, Pa.
Randolph-Clowes Co. (Seamless), Waterbury, Conn.
Roberts Tube Works (Seamless), 868 Military av, Detroit, Mich.
Rome Brass & Copper Co. (Seamless or Brazed, also Bronze), Rome, N. Y.
Rome Hollow Wire & Tube Co., Rome, N. Y.
Sandusky Foundry & Machine Co., Sandusky, Ohio
Scott, Sugden & Lamont, Monacknock bldg., San Francisco, Cal.
SCOVILL MFG. CO. (Seamless Brass & Copper), Waterbury, Conn.
See adv index at end of book
Standard Brass & Copper Tube Co. (Cold Drawn Seamless, Brass & Copper), New London, Conn.
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Summerill Tubing Co. (Seamless Cold Drawn), Bridgeport, Pa.
Twentieth Century Brass Works (Brass), 514 5th av, S Minneapolis, Minn.
United Wire & Supply Co. (Seamless Swaged & Bent; also Brazed Brass Tubing), Elmwood Station, Providence, R. I.
Wells A. H. & Co. (Seamless), 563 Watertown rd, Waterbury, Conn.
Wheeler Condenser & Engng. Co. (Seamless Drawn Brass & Copper "Crescent Brand"), W. Carteret, N. J.
WHITEHEAD METAL PRODUCTS CO., 67-73 Washington, North, Boston, Mass. *See adv index at end of book*
Whitehead Metal Products Co. of N. Y., Inc., 261-7 Canal, New York & 43 N 7th, Phila., Pa.
See adv index at end of book
Williams & Co., Inc., 901-937 Pennsylvania av, Pittsburgh, Pa.
Wolverine Tube Co. (Bent & Formed Seamless Brass & Copper), 1411H Central av, Detroit, Mich.

16096— *Tubing (Brass Covered)

Ivins Elwood Tube Wks., Oak Lane sta., Phila., Pa.
Rome Mfg. Co., Inc. ("Rome"), Rome, N. Y.

16097—Tubing (Brazed Steel)

Calumet Steel Co., 208 S La Salle, Chicago, Ill.
Central Metal Products Corp., Canton, O.
Newark Tube & Metal Works, 560 Ferry, Newark, N. J.
Phenix Tube Co., Nott av, Brooklyn, N. Y.
Rome Mfg. Co. Inc., Dept. H, Rome, N. Y.
Standard Steel Tube Co. ("Toledo"), Toledo, O.

16097a— Tubing (Butted)

Am. Tube & Stamping Co. (Seam, Open Seam, not Welded), 471 Hancock, Bridgeport, Conn.
Calumet Steel Co., 208 S La Salle, Chicago. Ill.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Mohegan Tube Co., 304-400 Scott av, B'klyn, N. Y.
See adv index at end of book

16097b—*Tubing (Carburetor)

AMERICAN METAL HOSE CO. ("American"), Waterbury, Conn.
CHICAGO TUBING & BRAIDING CO., 240 N Clinton, Chicago, Ill.
See adv index at end of book
Mohegan Tube Co., 304-400 Scott, Brooklyn, N. Y. *See adv index at end of book*

Tubing (Celluloid)

See Celluloid, Fibreloid & Pyrolin Manufacturers

16098—Tubing (Cold Drawn Seamless Steel)

See also Tubing, Steel

BABCOCK & WILCOX TUBE CO., Beaver Falls, Pa.
Central Metal Products Corp., Canton, O.
CLEVELAND TOOL & SUPPLY CO. (Dealers), 1427-37 W. 6th, Cleveland, Ohio
GIBERSON E. D. & CO., INC., 44 Rector, New York *See adv index at end of book*
Globe Seamless Steel Tubes Co., H, Peoples Gas bldg, Chicago, Ill.
Ivins-Elwood Tube Works, Oak Lane sta., Phila., Pa.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Ryerson Jos. T. & Son Inc., 2558 W 16th, Chicago
Ward's Edgar T. Sons Co. ("Ward"), 394 Frelinghuysen av, Newark, N. J.
Weldless Tube Co., Wooster, Ohio
Williams & Co. (Inc.), 901-937 Pennsylvania av, Pittsburgh, Pa.

16099—Tubing (Condenser)

Aluminum Co. of America, Oliver bldg, Pittsburgh, Pa.
BALTIMORE TUBE CO., Wicomico & Ostend, Baltimore, Md.
See adv index at end of book
British American Metals Co., 233 B'way, New York
Chase Metal Works, Div. Chase Co.'s, Inc. ("Chase"), Waterbury, Conn.
Chase Rolling Mills, Div. of Chase Companies, Inc. ("Chase" Brass & Copper), Waterbury, Conn.
GIBERSON E. D. & CO., INC., 44 Rector, New York *See adv index at end of book*
Globe Seamless Steel Tubes Co., H, Peoples Gas bldg, Chicago, Ill.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Mohegan Tube Co. ,304-400 Scott av, B'klyn, N. Y.
See adv index at end of book
National Brass & Copper Tube Co., Inc., 639 Mission, San Francisco, Cal.
North Amer. Copper Co., 52 Vanderbilt av, New York
Rome Brass & Copper Co. (Brass), Rome, N. Y.
SCOVILL MFG. CO., Waterbury, Conn.
See adv index at end of book
Wheeler Condenser & Engineering Co., ("Crescent Brand"), W. Carteret, N. J
Whitehead Metal Products Co., 67-73 Washington, N Boston, Mass
See adv index at end of book
Whitehead Metal Products Co. of N. Y., Inc., 261-7 Canal, New York & 43 N 7th, Phila., Pa
See adv index at end of book

Tubing (Conduit)

See Sleeving, Cotton

16099a— Tubing (Evaporator)

BALTIMORE TUBE CO., Wicomico & Ostend, Baltimore, Md.
See adv index at end of book
Pacific Copper & Brass Works Inc., 1915 E 7th, Los Angeles, Cal.
Phila. Coppersmithing Co., 808 N Front, Phila., Pa.
Wheeler Condenser & Engineering Co., W. Carteret, N. J.

16099b—*Tubing (Exhaust)

AMERICAN METAL HOSE CO. ("American"), Waterbury, Conn.
CHICAGO TUBING & BRAIDING CO., 240 N Clinton, Chicago, Ill.
See adv index at end of book
Elyria Iron & Steel Co. (The), 230 E 131st, Cleveland, Ohio

16100—Tubing (Flexible Fabric)

Atlantic Tubing Co. (Gas Pipe Tubing), 1756 Cranston, Providence, R. I.
New York Gas Tubing Co., 806 Greenwich, New York
Norwalk Mfg. Co. (Safety Gas), E Norwalk, Conn.
Pittsburgh Insulating Co. (Varnished), 96 43d, Pittsburgh, Pa.
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.

16101—Tubing (Flexible Metallic)

Almond T. R. Mfg. Co. ("Almond," for Electric Light Brackets, Portables, Oil & Gasoline, etc.), Ashburnham, Mass.
AMERICAN METAL HOSE CO. ("American"), Waterbury, Conn.
Am. Metal Moulding Co., 145 N. J. R. R. av, Newark, N. J.
Arrow Flexible Conduit Co. Inc. (Carburetor), 119 Bleecker, New York
Atlantic Metal Hose Co., 40 W 60th, New York
Automobile Supply Mfg. Co. (Brass & Iron, Light Pressure for Auto Horns, etc), 696 Myrtle av, Brooklyn, N. Y.
Bishop Gutta Percha Co. ("Titeweld"), 420H E. 25th, New York
Breeze Metal Hose & Mfg. Co. ("Fle-X-Met"), 250 South, Newark, N. J.
CHICAGO TUBING & BRAIDING CO. ("Rex Tube"), 240 N Clinton, Chicago, Ill. *See adv index at end of book*
Col.-Mac. Co., 250 South, Newark, N. J.
Columbia Metal Hose Wks. ("Columbia"), Thompson av. & Manly, Long Island City, N. Y.
Fischer Chas. Spring Co., 240 Kent av, Brooklyn, N. Y.
International Metal Hose Co., 10709 Quincy, Cleveland, O.
Johns-Manville, Inc. (Asphalt "Magrite," "J. M. Alpha" Cavie), Madison av & 41st, New York
Kaufman A. G. Mfg. Co., 26 E 14th, New York
Metal Hose & Tubing Co. ("Triplexd"), 252 Tillary, Brooklyn, N. Y.
Mulconroy Co. ("Mulconroy" Interwoven), 54th & Jefferson, Phila., Pa.
N. Y. Flexible Metallic Hose & Tubing Co., 112 W 42nd, New York
Norwalk Mfg. Co., E Norwalk, Conn.
Ostrander W. R. & Co. (Speaking), 371 B'way, New York
Penna. Flexible Metallic Tubing Co. (Copper or Steel High Pressure, etc), Broad & Race, Phila., Pa.
Schoen-Jackson Co., Media, Pa.
Schwartz S. Robert & Bro., 729 B'way, New York
Superior Spring Co. (wire), Mfr's bldg, Springfield, Ohio
Titeflex Metal Hose Corp., Badger av & Runyon, Newark, N. J.
Triangle Conduit Co., Inc. (Automobile), 52 Columbia Heights, Brooklyn, N. Y.
Wheelock Mfg. Co. (Steel), Wheelock, Vt.
Whitman Metal Goods Co. (Brass & Steel), Whitman, Mass.

16102— Tubing (Gas)

AMERICAN METAL HOSE CO., Waterbury, Conn.
Breeze Metal Hose & Mfg. Co., 250 South, Newark, N. J.
CHICAGO TUBING & BRAIDING CO. ("Kantleke"), 240 N Clinton, Chicago, Ill. *See adv index at end of book*
Dewes A. Co., The, 199 Lafayette, New York
Triangle Conduit Co. Inc., 52 Columbia Heights, Brooklyn, N. Y.

16103— Tubing (Glass)

Bobe P. Glass Works (Test & Hospital), 2711 Lemp av, St. Louis, Mo.
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Corning Glass Works (Electrical, Clinical, Thermometer, etc), Corning, N. Y.
Demuth Glass Mfg. Co., Gardner av, Brooklyn, N. Y.
Durand-Koering Glass Co. (Also Rods), Vineland, N. J.
Friedrich & Dimmck (For Radio Apparatus), Millville, N. J.
Glogau & Co., Great Lakes bldg, Chicago, Ill.
Gove Hartley (Thermo), Vineland, N. J.
International Glass Co., Millville, N. J.
Kimble Glass Co. (Also Rods, Finished & Unfinished), 402 W Randolph, Chicago, Ill.
Libbey Glass Co., Toledo, O.
Pairpoint Corp'n (For Electrical Use), New Bedford, Mass.
Ruth Glass Co., Conshohocken, Pa.
Vineland Flint Glass Works (Also Rods, Unfinished), Vineland, N. J.
Wagner Glass Works, 697 E 132d, New York
Whitall Tatum Co., 43 Barclay, New York

16104— Tubing (Hard Fibre)

See also Fibre, Hard

BRANDYWINE FIBRE PRODUCTS CO., East Wilmington, Del.
See adv index at end of book
Chicago Mica Co., Campbell, Valparaiso, Ind. *See adv index at end of book*
Continental Fibre Co., Newark, Del.
DELAWARE HARD FIBRE CO., Wilmington, Del. Works, Marshallton, Del. *See adv index at end of book*
Wilmington Fibre Specialty Co. (Vulcanized), Wilmington, Del.

16105—Tubing (Hard Rubber)

American Hard Rubber Co., 9 Mercer, New York
Goodrich B. F. Co., Akron, O.
Home Rubber Co., Trenton, N. J.
Indian Rubber Co., New Brunswick, N. J.
Stokes Jos. Rubber Co., Trenton, N. J.
U. S. Rubber Co., 1790 Broadway, New York *See adv index at end of book*

"U. S."
Hard Rubber
Pipe & Fittings
United States Rubber Co.
1790 Broadway, New York
Branch Offices Listed in Advertisers' Index

Vulcanized Rubber Co., 251 4th av, New York

16106—Tubing (Hot Rolled Seamless Steel)

BABCOCK & WILCOX TUBE CO., Beaver Falls, Pa.
Bourne Fuller Co., Hanna bldg, Cleveland, O.
Central Metal Products Corp., Canton, O.
Frasse Peter A. & Co. Inc., 417 Canal, New York
GIBERSON E. D. & CO., INC., 44 Rector, New York *See adv index at end of book*
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Mohegan Tube Co., 304 Scott av, Brooklyn, N. Y. *See adv index at end of book*
Ward's Edgar T. Sons Co. ("Ward"), 394 Frelinghuysen av, Newark, N. J.
Weldless Tube Co., Wooster, Ohio

16106a— Tubing (Iron)

See also Pipe & Tube Mills

Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
LARKIN J. K. & Co. (Also Tubes), 253 B'way, New York
See adv index at end of book
Mohegan Tube Co., 304-400 Scott av, B'klyn, N. Y.
See adv index at end of book
Reading Iron Co., Baer bldg, Reading, Pa.

16107—Tubing (Iron Lined)

Manhattan Brass Co., 332 E 28th, New York
Phenix Tube Co. (Brazed, Lock Joint, Close Joint & Bent, Brass, Bronzes & Aluminum), Nott av, Brooklyn, N. Y.
Western Brass Mfg. Works, Marshall blvd & W 21st, Chicago, Ill.

16108—Tubing (Lead & Block Tin)

American Lead Co., 3116 Penn av, Pittsburgh, Pa.
Chadwick-Boston Lead Co., 162 Congress, Boston, Mass.
Crown Metal Co. (Lead Only), 259 Washington, Milwaukee, Wis.
Eagle-Picher Lead Co., 208 S La Salle, Chicago, Ill.
National Lead Co., 111 B'way, New York
Rochester Lead Works, 330 Evchange, Rochester, N. Y.
United Lead Co., 111 B'way. New York

16108a—Tubing (Mechanical)

Detroit Seamless Steel Tube Co., W Warren & Wyoming, Detroit, Mich.
Mohegan Tube Co., 304-400 Scott av, Brooklyn, N. Y.
See adv index at end of book

16108b— Tubing (Metallic)

Hough W. S. Co. (Seamless), Dept. H. Attleboro, Mass.
Mohegan Tube Co. (Aluminum, Brass, Bronze, Copper, Lead, Monel, Nickel, Silver, Tin or Zinc), 304-400 Scott av, B'klyn, N. Y.
See adv index at end of book
Supplee-Biddle Hardware Co., 510 Commerce, Phila., Pa.

16108c—Tubing (Monel Metal)

Electrical Alloy Co. (Seamed or Lapped), Morristown, N. J.
Elyria Iron & Steel Co. (Drawn & Welded), Elyria, O.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Liberty Coppersmithing Co. (Coiled Welded), Philadelphia, Pa.
MOHEGAN TUBE CO., 304-400 Scott av, B'klyn, N. Y.
See adv index at end of book
Robertson Bros. Mfg. Co. (Spiral, Lock-Seam), 5401 S Western blvd, Chicago
Schaefer Co., Emil (Coiled Welded), 1320 N 5th, Philadelphia, Pa.
Sholes, Inc. (Drawn & Welded, Seamed or Lapped), 186 Lafayette, New York
Whitlock Coil Pipe Co., The (Coiled Welded), Hartford, Conn.

16109—Tubing (Nickel Silver)

See also Tubing, Brass, Bronze & Copper
AMERICAN BRASS CO. (& "Ambras" Metal), Waterbury, Conn.
For branch offices see adv index at end of book
Bristol Brass Co., Bristol, Conn.
Chase Rolling Mill Co. ("Chase"), Waterbury, Conn.
French Mfg. Co. (Seamless, Small Sizes Only), Waterbury, Conn.
Hough W. S. Jr. Co. (Seamless), 61 Peck, Providence, R. I.
National Co. (Seamless), Waterbury, Conn.
Summerhill Tubing Co. (Seamless Cold Drawn), Bridgeport, Conn.
United Wire & Supply Co. (Seamless), 109 Summer, Providence, R. I.
Wells A. H. & Co. (Seamless), Waterbury, Conn.

16110— Tubing (Organ)

Chadwick-Boston Lead Co. (Composition), Boston, Mass.
National Lead Co., 111 B'way, New York
United Lead Co., 111 B'way, New York

16110a—*Tubing (Plated)

Wall A. T. Co. (Rolled Gold & Silver), 162 Clifford, Providence, R. I.
Wheeler Condenser & Engng. Co. ("Crescent Brand"), W Carteret, N. J.

16111— Tubing (Platinum)

American Platinum Works, 231 N. J. R. R. av, Newark, N. J.
Baker & Co., 54 Austin, Newark, N. J.

16112— Tubing (Porcelain)

Electrical Porcelain Works, 2416 6th, Berkeley, Cal.
Locke Insulator Mfg. Co., Victor, N. Y.
Pittsburgh High Voltage Insulator Co., Derry Pa.
Thomas R. & Sons Co., East Liverpool, O.

16112a—*Tubing ("Pyralin")

DU PONT E. I. DE NEMOURS & CO., INC., Pyralin Div. (Transparent, Tortoise Shell, Ivory & all other Colors. See adv at Celluloid), Arlington, N. J.
See adv index at end of book

16113— Tubing (Rubber)

Acme Rubber Mfg. Co., Trenton, N. J.
American Hard Rubber Co., 9 Mercer, New York
Atlantic India Rubber Works, 1453 W Van Buren, Chicago, Ill.
Boston Belting Corp., 80 Elmwood av, Boston, Mass.
Braun-Knecht-Heimann Co. (Labruco Thermofix), 576-584 Mission, San Francisco, Cal.
Canfield H. O. Co., 191 Hsatnc., Bridgeport, Conn.
Cigol-Behrens Rubber Co., Lodi, N. J.
Cincinnati Rubber Mfg. Co. (Commercial Acid, Agitator, Air Pump, Automobile Generator, Corkscrew, Fire Extinguisher, Lead Burner, Milking Machines, Piano Player), Norwood, Cincinnati, Ohio
See adv index at end of book
Combination Rubber Mfg. Co., Bloomfield, N. J.
Continental Rubber Works, Erie, Pa.
Curtis Tire & Rubber Co., Muskegon, Mich.
Davidson Rubber Co., Boston, Mass.
Davol Rubber Co., 69 Point, Providence, R. I.
Eclat Rubber Co. ("Ekla" Mechanical), Cuyahoga Falls, Ohio
Empire Tire & Rubber Corp., Trenton, N. J.
Essex Rubber Co., Trenton, N. J.
Faultless Rubber Co., Ashland, O.
Federal Rubber Co., The, Cudahy, Wis.
Gillette Rubber Co., Dept H, Eau Claire, Wis.
Goodrich B. F. Co., Akron, O.
Gutta Percha & Rubber Mfg. Co., 350 Madison av, New York
Hamilton Rubber Mfg. Co., Trenton, N. J.
Hewitt Rubber Co., 246H Kensington av, Buffalo, N. Y.
Home Rubber Co., Trenton, N. J.
Indiana Rubber & Insulated Wire Co., P. O. Box 192, Jonesboro, Ind.
Manhattan Rubber Mfg. Co., Passaic, N. J.
Mercer Rubber Co., Hamilton Square, N. J.
Miller Rubber Co., Akron, O.
Mutty L. J. Co., 175 Congress, Boston, Mass.
National India Rubber Co., Bristol, R. I.
N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
New York Belting & Packing Co. (Pure & C. I.), 91 Chambers, New York
Norwalk Mfg. Co., E Norwalk, Conn.
Odell Rubber Co. ("South Bend"), South Bend, Ind.
Parker-Stearns & Co. ("Alhpa," Black or Red), 286 Sheffield av, Brooklyn, N. Y.
Plymouth Rubber Co., Canton, Mass.
Quabaug Rubber Co., North Brookfield, Mass.
QUAKER CITY RUBBER CO. ("Crown," "Ebonite," "Melrose," "Niotus," "Hercules," "Quaker City," "Yankee"), 3927 Comly, Phila., Pa.
See adv index at end of book
Republic Co., Youngstown, O.
Revere Rubber Co., Chelsea, Mass.
Rubber Products Co. (Laboratory, etc.), Barberton, Ohio
Seamless Rubber Co., Hallock av, New Haven, Conn.
Sterling Tire Corp. ("Sterling"), Rutherford, N. J.
Thermoid Rubber Co. ("Thermoid"), Trenton, N. J.
Tyer Rubber Co. (All Grades, Colors & Sizes), Andover, Mass.
United & Globe Rubber Mfg. Co., Trenton, N. J.
U. S. Rubber Co. ("C. I."), 1790 Broadway, New York
See adv index at end of book
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
Whitall Tatum Co., 48 Barclay, New York
Whitehead Bros. Rubber Co., Trenton, N. J.
Woven Steel Hose & Rubber Co., Trenton, N. J.

16114—Tubing (Rubber, Cloth Insertion)

Boston Woven Hose & Rubber Co., Cambridge, Mass.
Quaker City Rubber Co., 672 Market, Phila., Pa. *See adv index at end of book*

16114a— Tubing (Seamless Brass & Copper)

AMERICAN BRASS CO., Waterbury, Conn.
For branch offices see adv index at end of book
BALTIMORE TUBE CO., Wicomico & Ostend, Baltimore, Md.
See adv index at end of book
Conklin Brass & Copper Co., T. E., 54-60 Lafayette, New York

TUBING—BRASS
Nearly three-quarters of a century serving the trade.
LARGE ASSORTED STOCK FOR IMMEDIATE DELIVERY
T. E. Conklin Brass & Copper Co., Inc.
54-60 Lafayette Street, New York
Established 1860 Tel. Franklyn 2900

Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Scovill Mfg. Co., Waterbury, Conn.
See adv index at end of book
Wheeler Condenser & Engng. Co. ("Crescent" Brand), W. Carteret, N. J.

16115—Tubing (Seamless Steel)

See also Tubing, Steel

BABCOCK & WILCOX TUBE CO., Beaver Falls, Pa.
Bordentown Steel & Tube Corp., Bordentown, N. J.
Bourne Fuller Co., Hanna bldg, Cleveland, O.
CLEVELAND TOOL & SUPPLY CO. (Dealers), 1427-37 W. 6th, Cleveland, Ohio
Delaware Seamless Tube Co., Auburn, Pa.
See adv index at end of book

DELAWARE SEAMLESS TUBE COMPANY
AUBURN PA.

Frasse Peter A. & Co. (Inc.), 417 Canal, New York
Giberson E. D. & Co., Inc., 44 Rector, New York
See adv index at end of book

SEAMLESS STEEL TUBING
Hot and Cold Drawn—Boiler and Mechanical.
Large stocks maintained. Immediate shipments from Pittsburgh and New York warehouses.
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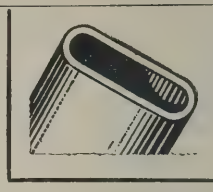
Globe Seamless Steel Tubes Co., People's Gas bldg, Chicago, Ill.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Ivins Elwood Tube Works, Oak Lane Sta., Phila., Pa.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Larkin J. K. & Co. (Also Tubes), 253 B'way, New York
See adv index at end of book
MORRIS E. K. & CO., 317 West 2nd, Cincinnati, O.
Pittsburgh Steel Products Co., Union Arcae bldg, Pittsburgh, Pa.
ROBERTS C. A. CO. INC., 20-24 Aberdeen, Chicago, Ill.
Scott, Siegden & Lamont, Monadnock bldg, San Francisco, Cal.
Standard Seamless Tube Co., Ambridge, Pa.
Steel Sales Corp., Adams & Jefferson, Chicago, Ill
Timken Roller Bearing Co., Dept H, Canton, O

(Continued on following page)



Manufacturers of

STEEL TUBING for Every Purpose



THE MOHEGAN TUBE COMPANY

304-400 SCOTT AVENUE BROOKLYN, N. Y.

Round, Square, Rectangular, Oval and Special Shapes

SERVICE. We make tubing to **your** specifications and to **your** requirements.

Tubing (Seamless Steel)—Continued

Toledo Steel Tube Co., Toledo, O.
Ward's Edgar T. Sons Co., 44-54 Farnsworth, Boston, Mass.
Ward's Edgar T. Sons Co. ("Ward"), 394 Frelinghuysen av, Newark, N. J.
Weldless Tube Co., Wooster, Ohio
Williams & Co., Inc., 901-937 Pennsylvania av, Pittsburgh, Pa.

16116— Tubing (Silver)

Hough W. S. Co. (Seamless), Dept. H, Attleboro, Mass.
Scovill Mfg. Co. (Nickel), Waterbury, Conn. *See adv index at end of book*
United Wire & Supply Co. (Seamless), Elmwood Station, Providence, R. I.

16117— Tubing (Soft Steel)

Bourne Fuller Co., Hanna bldg, Cleveland, O.
Ivins Ellwood Tube Works (Seamless), Oak Lane Station, Phila., Pa.
Johnson-Peter Co., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Ward's Edgar T. Sons Co. ("Ward"), 394 Frelinghuysen av, Newark, N. J.
Williams & Co. Inc., 901-937 Pennsylvania av, Pittsburgh, Pa.

16118— Tubing (Square)

Braun J. G., 609 S Paulina, Chicago, Ill.
Central Metal Products Corp., Canton, O.
Cortland Steel Tube Co. ("Corsteco"), Cortland, Ohio
Empire Tube & Steel Corp., College Point, N. Y.
Ivins Elwood Tube Works, Oak Lane Sta., Phila., Pa.
MOHEGAN TUBE CO. (Steel), 304-400 Scott av, B'klyn, N. Y.
See adv index at end of book
National Tube Co. ("Shelby" Seamless Steel), Frick bldg, Pittsburgh, Pa.
ROBERTS C. A. CO. INC., 20-24 Aberdeen, Chicago, Ill.
Rome Mfg. Co., Inc. ("Rome" & rectangular), Rome, N. Y.
Ward's Edgar T. Sons Co. ("Ward"), 394 Frelinghuysen av, Newark, N. J.
Williams & Co. Inc., 901-937 Pennsylvania av, Pittsburgh, Pa.

16119— Tubing (Steel)

See also Tubing, Seamless Steel; also Pipe & Tube Mills
BABCOCK & WILCOX TUBE CO., Beaver Falls, Pa.
Blum Julius & Co. (Seamless), 540 W 22nd, New York
Bourne Fuller Co., Hanna bldg, Cleveland, O.
Calumet Steel Co. (Butted & Brazed Structural), 208 S La Salle, Chicago, Ill.
Central Metal Products Co., Canton, O.
Central Tube Co., 1st National Bank bldg, Pittsburgh, Pa.
CLEVELAND TOOL & SUPPLY CO. (Dealers), 1427-37 W 6th, Cleveland, Ohio
Cortland Steel Tube Co. ("Corsteco" Welded), Cortland, Ohio
Delaware Seamless Tube Co., Auburn, Pa.
See adv index at end of book
Detroit Seamless Steel Tubes Co. (Cold Drawn Seamless), Warren & Wyoming, Detroit, Mich.
Elyria Iron & Steel Co. ("Elisco" Cold Rolled), 232 E 131st, Cleveland, O.
Empire Tube & Steel Corp., College Point, N. Y.
Frasse Peter A. & Co. (Inc.), 417 Canal, New York
GIBERSON E. D. & CO., INC., 44 Rector, New York *See adv index at end of book*
Globe Seamless Steel Tubes Co. (Cold Drawn High Carbon Seamless Steel), People's Gas bldg, Chicago, Ill.
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Ivins Ellwood Tube Works (Cold Drawn Seamless), Oak Lane, Phila., Pa.
JOHNSON-PETER CO., Terminal Warehouse, Pittsburgh, Pa.
See adv index at end of book
Kawneer Co. (Seamless for V. P.), 1226 Front, Niles, Mich.
LARKIN J. K. & CO., 253 B'way, New York *See adv index at end of book*
MOHEGAN TUBE CO., 304-400 Scott av, Brooklyn, N. Y.
See adv index at end of book
National Tube Co. ("Shelby" Cold Drawn Seamless), Frick bldg, Pittsburgh, Pa.
Newark Tube & Metal Works (Butt Joint), 560 Ferry, Newark, N. J.
Ohio Seamless Tube Co. (Cold Drawn Seamless), Shelby, O.
Phenix Tube Co. (Brazed, Butted, Square & Twisted), Nott av, Brooklyn, N. Y.
Pittsburgh Seamless Tube Co., Beaver Falls, Pa.
Pittsburgh Shafting Co. (Seamless), 346 W Fort, Detroit, Mich.
Pittsburgh Steel Products Co. (Hot Rolled & Cold Drawn Seamless), Union Arcade bldg, Pittsburgh, Pa.
Pressed Metal Radiator Co. ("Paramount"), Pittsburgh, Pa.
ROBERTS C. A. CO. INC. ("Shelby" Seamless), 20-24 Aberdeen, Chicago, Ill.
Rome Hollow Wire & Tube Co. (Seamless Hollow Wire), Rome, N. Y.
Rome Mfg. Co. Inc., Dept. H, Rome, N. Y.
Rome Metal Products Co. (Seamless), 23 W 43rd, New York
Seymour Mfg. Co. (Seamless) 87H Franklin, Seymour, Conn.
STANDARD STEEL TUBE CO. ("Standard" Brazed for Mechanical Purposes), Toledo, O.
Summerill Tubing Co. (Cold Drawn Seamless), Bridgeport, Pa.
Timken Roller Bearing Co. (Cold Drawn Seamless), Canton, O.
Toledo Steel Tube Co., Toledo, Ohio
Tyler Tube & Pipe Co. (Lap Welded), Washington, Pa.
Velthardt Steel & Metal Corp., 15 Park Row, New York
Ward's Edgar T. Sons Co. ("Ward"), 394 Frelinghuysen av, Newark, N. J.
Williams & Co. Inc., 901-937 Pennsylvania av, Pittsburgh, Pa.

16119a—Tubing (Steel, Acetylene Welded)

American Circular Loom Co., 90 West, New York
MOHEGAN TUBE CO., 304-400 Scott av, B'klyn, N. Y.
See adv index at end of book
Rome Mfg. Co., Dept. H, Rome, N. Y.

16119c—*Tubing (Steel, Open Seam)

Mohegan Tube Co., 304-400 Scott av, B'klyn, N. Y.
See adv index at end of book

16120— Tubing (Structural)

Calumet Steel Co. (Butted & Brazed), 208 S La Salle, Chicago, Ill.
Central Tube Co., 1st National Bank bldg, Pittsburgh, Pa.
Danville Structural Tubing Co., Danville, Pa.
Elyria Iron & Steel Co. (High Carbon Steel, Butted & Brazed), 232 E 131st, Cleveland, O.
MOHEGAN TUBE CO. (Steel), 304-400 Scott av, B'klyn, N. Y.
See adv index at end of book
National Tube Co., Frick bldg, Pittsburgh, Pa.
Williams & Co. Inc., 901-937 Pennsylvania av, Pittsburgh, Pa.

16121—Tubing (Swaged & Bent)

American Tube Bending Co., 5 Lawrence, New Haven, Conn.
American Tube & Pipe Bending Co., 880 E 72nd, Cleveland, O.
Calumet Steel Co., 208 S La Salle, Chicago, Ill.
Cortland Steel Tube Co. ("Corsteco"), Cortland, Ohio
Detroit Seamless Steel Tube Co. (Unset), Warren & Wyoming, Detroit, Mich.
Globe Seamless Steel Tubes Co., H, Peoples Gas bldg, Chicago, Ill.
Mohegan Tube Co., 304-400 Scott av, B'klyn, N. Y.
See adv index at end of book
Rome Mfg. Co. Inc., Dept. H, Rome, N. Y.
STANDARD STEEL TUBE CO., Toledo, O.
Tyler Tube & Pipe Co. (Lap-Welded), Washington, Pa.
Weldless Tube Co. (Swaged), Wooster, O.
Williams & Co. Inc., 901-937 Pennsylvania av, Pittsburgh, Pa.
Wolverine Tube Co. (Brass & Copper Bent), 1411 Central av, Detroit, Mich.

16122— Tubing (Tapered)

Cortland Steel Tube Co. ("Corsteco"), Cortland, Ohio
Mohegan Tube Co., 304-400 Scott av, Breeklyn, N. Y.
See adv index at end of book
Rome Mfg. Co. Inc., Dept. H, Rome, N. Y.
Standard Metal Work Co. (For Automobiles, Motor Boat Engines, etc), Thompsonville, Conn.
Standard Steel Tube Co., Toledo, Ohio

16123— Tubing (Tool Steel)

Frasse Peter A. & Co. Inc., 417 Canal, New York
Ivins Elwood Tube Works, Oak Lane, Phila., Pa.
Standard Steel & Wire Co., 549 W Washington blvd, Chicago, Ill.
Ward's Edgar T. Sons Co. ("Ward"), 394 Frelinghuysen av, Newark, N. J.

16124—Tubing (Wind Shield)

Central Metal Products Co. ("C. M. P."), Canton, Ohio
DAHLSTROM METALLIC DOOR CO. (Welded), 413 Buffalo, Jamestown, N. Y.
See adv index at end of book
Empire Tube & Steel Corp., College Point, N. Y.
Fiat Metal Mfg. Co., 223 W Huron, Chicago, Ill.
Mohegan Tube Co., 304-400 Scott av, B'klyn, N. Y.
See adv index at end of book
Rome Mfg. Co. Inc., Dept. H, Rome, N. Y.

16125— Tubing (Wood)

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Redlich Mfg. Co., 637-647 W Oak, Chicago, Ill.
Rich Pump Co., South & Depot, Cincinnati, O.
Stiles H. A. & Co., 166-174 Portland, Mass. *See adv index at end of book*

16126— Tubing (Zinc)

American Brass Co., Waterbury, Conn.
For branch offices see adv index at end of book
Mohegan Tube Co., 304-400 Scott av, B'klyn, N. Y.
See adv index at end of book
North American Copper Co., 52 Vanderbilt av, New York

16127— Tubing & Nipples (Gas Lamp)

Norwalk Mfg. Co. (Rubber Tubing), E. Norwalk, Conn.
Pennsylvania Rubber Co., Jeannette, Pa.

16128— Tubs (Bleaching)

Dillon D. M. Steam Boiler Works (For Paper Mills), Fitchburg, Mass.
Hunt, Rodney, Machine Co., Orange, Mass.
New England Tank & Tower Co., 42 Main, Everett, Mass.
Union Machine Co., Fitchburg, Mass.

16129— Tubs (Butter)

Allen Chas. M. Inc., Fulton, N. Y.
Creamery Package Mfg. Co., 61 W Kinzie, Chicago, Ill.
Denio C. E. (Boxes), Hyde Park, Vt.
Elgin Butter Tub Co., Elgin, Ill.
Hohnsbehn Creamery Supply Co., Waverly, Ia.
Houston J. E., Stowe, Vt.
Lentz's C. F. Sons, Marysville, O.
Little J. H. Arlington, Ia.
Mason D. E., Fulton, N. Y.
Nelson & Hall Co., Montgomery Center, Vt.
Northwestern Wooden Ware Co., 2001 Dock, Tacoma, Wash.
Orcutt B. L. & Sons, Dickinson Center, N. Y.
Parfrey Chas. A., Richard Center, Wis.
Spurbeck-Lambert Co., Algona, Ia.

16130—Tubs (Flower & Plant)

Baltimore Cooperage Co. Ostend & Leadenhall, Baltimore, Md.
Geuder Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Savo Mfg. Co. ("Savo" Self Watering, Sub-Irrigating), 111 W Monroe, Chicago, Ill.

16130a—*Tubs for Washing Machines

Geuder Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book

16131—Tubs (Galvanized Iron)

See also Pails, Galvanized Iron

Boyle Mfg. Co., 5100 Santa Fe av, Los Angeles, Cal.
Crunden-Martin Mfg. Co., 2d & Gratiot, St. Louis, Mo.
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Republic Metalware Co., 100 Alabama, Buffalo, N. Y.
Rochester Can Co. ("Iron Horse" Foot), 89 Hague, Rochester, N. Y.
Rochester Stamping Co., Rochester, N. Y.
Wheeling Corrugating Co., Wheeling, W. Va.

16132— Tubs (Hoisting & Dumping)

See also Buckets, Various Kinds

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Hoist & Derrick Co., St. Paul, Minn.
Atlas Car & Mfg. Co., Cleveland, O.
See adv index at end of book
Biehl Iron Works, Inc., Reading, Pa.
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Brown Hoisting Machinery Co., The, 4403 St. Clair N E, Cleveland, Ohio
See adv index at end of book
Coatesville Boiler Works, 111 S 15th, Philadelphia, Pa.
Focht George Sons, 117-119 Adams, Hoboken, N. J.
Hunt C. W. Co., West New Brighton, N. Y.
See adv index at end of book
Littleford Bros., 444 E Pearl, Cincinnati, O.
See adv index at end of book
Meyer Henry H. Co. (Dlrs)., 110 S Howard, Baltimore, Md.
See adv index at end of book
National Iron Co., Duluth, Minn.
PENN FOUNDRY & MFG. CO., Wyomissing, Reading, Pa.
Phillips Doup & Co. ("National"), 44th & 1st av, Brooklyn, N. Y.
Stuebner L. G. Iron Works, Queensboro Terminal, Long Island City, N. Y.
Turl Iron & Car Co. (Inc.), The, 50 Broad, New York. Works: Newburgh, N. Y.
Union Iron Works, Hoboken, N. J.
Whiting Corp., Dept. H, Harvey, Ill.
Williams G. H. Co., Erie, Pa.

16133— Tubs (Lard)

Bousfield Wooden Ware Co., Minneapolis, Minn.
California Barrel Co., 433 California, San Francisco, Cal.
Carolina Woodenware Co, Fayetteville, N. C.
Florida Woodenware Co., Palatka, Fla.
Menasha Wooden Ware Co., Menasha, Wis.
New England Box Co., 104 East 42nd, New York *See adv index at end of book*
Pierpont Mfg. Co., Savannah, Ga.

16134— Tubs (Mash)

Kast Copper & Sheet Iron Co., 91 Main, Buffalo, N. Y.
Leslie Elliott & Co., Paterson, N. J.
Littleford Bros., 444 E Pearl, Cincinnati, O. *See adv index at end of book*
Meyer Otto C. & Co., 30 Franklin, Brooklyn, N. Y.
Smith Samuel & Son Co., Paterson, N. J.

16135-6-7—Tubs (Mortar, Steel)

Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. J.
See adv index at end of book
Lansing Co., Lansing, Mich.
Littleford Bros., 444 E Pearl, Cincinnati, O. *See adv index at end of book*

16138—Tubs (Self-Dumping)

See also Tubs, Hoisting & Dumping

Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
McMyler-Interstate Co., Cleveland, O.
See adv index at end of book
Stuebner G. L. Iron Works, Queensboro Terminal, Long Island City, N. Y.

16139— Tubs (Wash)

Alberene Stone Co. (Soapstone), 153 W 23rd, New York
Buffalo Wash Tray Works ("Champion"), 599 Tonawanda, Buffalo, N. Y.
Central Stamping Co., 206 Bway, New York
Cordley & Hayes, 32 Leonard, New York
See adv index at end of book
McLaughlin Co., Inc., Brockport, N. Y.
Monument Pottery Co. (Porcelain), Trenton, N. J.
National Enameling & Stamping Co. (Galvanized Steel), 411 5th av, New York
Pittsburgh Tinware Mfg. Co. ("Tinco"), Bidwell, Pittsburgh, Pa.
Rochester Can Co. ("Iron Horse" Galvanized Iron), 89 Hague, Rochester, N. Y.
Standard Elsmere Granite Co. ("Elsmere"), 1754 N Spalding, Chicago, Ill.
Structural Slate Co. (The) (Slate), 101 Marietta, Pen Argyl, Pa. (With Natural Slate Blackford Co., Pen Argyl)
See adv index at end of book
Structural Stone Co., Hubbard, Ohio
Wesely Chas. Co. (Concrete "Weseley"), 3126 S Canal, Chicago, Ill.
Wheeling Corrugating Co., Wheeling, W. Va.

16140—Tubs (Wire Cleaning)

Morgan Construction Co., Worcester, Mass.
Vaughn Machinery Co., Cuyahoga Falls, O.

16141-2— Tubs (Wood)

See also Tubs, Butter

American Stave & Cooperage Co., Chelsea, Mass.
Bennet Bros. Co. ("Ideal"), 51 Payne, Lowell, Pa.
Cullen & Vaughn Co., 450 Dayton, Hamilton, O.
Menasha Wooden Ware Co. (Shipping, etc), Menasha, Wis.
New England Box Co. (For Fish, Lard, etc.), 104 E 42nd, New York
See adv index at end of book
Richmond Cedar Works ("Anchor Brand" White Cedar Wash, Tree, Butter, Ice Cream, Packing, etc), Richmond, Va.
Sengel Philip & Son, Louisville, Ky.
Stiles H. A. & Co. (Ice Cream), 166-174 Portland, Boston, Mass.
See adv index at end of book
Virginia Woodworking Co., Bristol, Va.

16143— Tumblers (Glass)

Athens Glass Co., Morgantown, W. Va.
Beaver Valley Glass Co., Rochester, Pa.
Belgrade Glass Co., Buckhannon, W. Va.
Bryce Bros. Co., Mt. Pleasant, Pa.
Cambridge Glass Co., Cambridge, O.
Canton Glass Co., Marion, Ind.
Capstan Glass Co., Connellsville, Pa.
Central Glass Works, Wheeling, W. Va.
Consolidated Lamp & Glass Co., Coraopolis, Pa.
Co-operative Flint Glass Co., Beaver Falls, Pa.
Crescent Glass Co., Wellsburg, W. Va
Crystal Glass Co. Inc., 2320 E 52d, Los Angeles, Cal.
Dorflinger C. & Sons, White Mills, Pa., & 36 Murray, New York
Dunbar Flint Glass Co., Dunbar, W. Va.
Duncan & Miller Glass Co., Washington, Pa.
Economy Tumbler Co., Morgantown, W. Va.
Federal Glass Co., Columbus, O.
Fostoria Glass Co., Moundsville, W. Va.
Fry H. C. Glass Co., Rochester, Pa.
Hawkes T. G. & Co., Corning, N. Y.
Hazel Atlas Glass Co. (Pressed), Wheeling, W. Va.
Helsey A. H. & Co., Newark, O.
Huntington Tumbler Co., Huntington, W. Va.
Indiana Glass Co., Dunkirk, Ind.
Jenkins D. C. Glass Co., Kokomo, Ind.
Lancaster Glass Co., Lancaster, O.
McKee Glass Co., Jeannette, Pa.
Macbeth-Evans Glass Co., Pittsburgh, Pa.
Monongah Glass Co., Fairmont, W. Va.
Mound City Glass Co. (Blown), Lumberport, W. Va.
Rochester Tumbler Co., Rochester, Pa.
Seneca Glass Co., Morgantown, W. Va.
U. S. Glass Co., S 9th & Bingham, Pittsburgh, Pa.
Wellington Glass Co., Cumberland, Md.

16144—Tumblers (Hard Rubber)

American Hard Rubber Co., 9 Mercer, New York
Tyer Rubber Co., Andover, Mass.

16144a— *Tumeric

Innis, Speiden & Co., Inc., 46 Cliff, New York
Riddle Chemical Co., 35 S Dearborn, Chicago, Ill.
See adv index at end of book

16144b— Tuners

Adams Morgan Co., Upper Montclair, N. J.
Am. Brass Products Co., Radio Division, Pottstown, Pa.
Am. Radio & Research Corp. ("Amrad"), 203 College av, Medford Hillside, Mass.
Andrae Frank A. D., 1882 Jerome, New York
Atwater Kent Mfg. Co., 4937 Stenton av, Phila., Pa.
Auth Electrical Spec. Co., 422 E 53d, New York
Bliss R. W. Co., Atlantic, Mass.
Bronx Radio Equipment Co., 687 Cortlandt, New York
Cardwell Allen D. Mfg. Co., 81 Prospect, Brooklyn, N. Y.
Chicago Radio Laboratories ("Zenith"), 332 S Mich., Chicago, Ill.
Clapp-Eastham Co., 139 Main, Cambridge, Mass.
Conn. Tel. & Elec. Co. ("Connecticut"), Meriden, Conn.
Crocker Wheeler Co., Ampere, N. J.
DeForest Radio Tel. & Telg. Co., 1415 Franklin, Jersey City, N. J.
Doron Bros. Elec. Co., 325 North B, Hamilton, O.
Duck Wm. B. Co., 224 Superior, Toledo, O.
Eastern Radio Laboratories, Fort Lee, N. J.
Elec. Machine Co., Pratt & Meridian, Indianapolis, Ind.
Firth J. & Co. ("Firco"), 1 Pershing sq, New York
Grebe A. H. & Co., Inc., 70 Van Wyck blvd, Jamaica, N. Y.
Hi-Grade Wireless Instrument Co., Asheville, N. C.
Horne Mfg. Co., 243 Mercer, Jersey City, N. J.
International Radio Corp., 42 Branford, Newark, N. J.
Karlowa Radio Co., Rock Island, Ill.
Kilbourne & Clark Mfg. Co. ("K & C"), 101 Spokane, Seattle, Wash.
Magnus Electric Co., Inc. (2 Circuit-Type Units), 451 Greenwich, New York
National Radio Co., Marshall, Minn.
Penn. Wireless Mfg. Co., New Castle, Pa.
Precision Equipment Co., B. & O. R. R. & Blue Rock, Cincinnati, O.
Quality Radio Shop, Richmond, Ind.
Radio Service & Mfg. Co., 110 W 40th, New York
Ship Owners' Radio Service (Dlrs.), 80 Washington, New York
Signal Elec. Mfg. Co. ("Signal"), Menominee, Mich.
Turney Eugene T. Laboratories ("Turney"), 351 6th av, Newark, N. J.
Twentieth Century Radio Co., Greenville, Pa.
United Elec. Apparatus Co., 1529 Columbus, Boston, Mass.
Westinghouse Elec. & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book
Wilcox Laboratories, 2208 E Michigan av, Lansing, Mich.
Wireless Improvement Co., 66 York, Jersey City, N. J.
Wireless Shop, 1262 W 2d, Los Angeles, Cal.

16145—Tungstate of Ammonia

Mineral Product Mfg. Co., Wilmington, Del.
York Metal & Alloy Co., York, Pa.

16145a— Tungstate of Soda

Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Mineral Product Mfg. Co., Wilmington, Del.
York Metal & Alloy Co., York, Pa.

Tungsten

See Ferro-Tungsten

16146—Tungsten (Aluminum)

Mineral Product Mfg. Co., Wilmington, Del.

16146a—Tungsten (Metallic)

Foote Mineral Co., 109 N 19th, Phila., Pa.
Lavino E. J. & Co., Bullitt bldg, Phila., Pa.
Pfanstiehl Co., No. Chicago, Ill.

16147— Tungsten (Nickel)

Mineral Product Mfg. Co., Wilmington, Del.

16147a—Tunnel Shields (Iron & Steel)

16148—*Turbine Blading & Calking Materials

AMERICAN BRASS CO. (Brass Cupro Nickel & Monel Metal), **Waterbury, Conn.**
For branch offices see adv index at end of book
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book

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Strong As Steel; High Rigidity.
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67 Wall Street New York, N.Y.

Williams & Co. Inc. (Brass Cupro Nickel & Monel Metal), 901-937 Pennsylvania av N S, **Pittsburgh, Pa.**

16149— Turbine Shafts

KROPP FORGE CO., 5301 Roosevelt rd, **Chicago, Ill.**
See adv index at end of book

16150—Turbine Water Wheels

See also Water Wheels

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Barnard & Leas Mfg. Co. ("Moline-McCormick"), **Moline, Ill.**
Bartley Wm. & Sons ("The Watertight"), **Bartley, N. J.**
Blake H. & Son, East Pepperell, Mass.
Bond Foundry & Machine Co., Penn St., Manheim, Pa.
Chase Turbine Mfg. Co., Orange, Mass.
Christiana Machine Co., Christiana, Pa.
Cunningham Allen Co., Inc., 7500 Carleton av, Seattle, Wash.
Davis Foundry & Machine Works, Rome, Ga.
Dayton Globe Iron Works Co., Dayton, O.
De Loach Mill Mfg. Co., 318 Carter, Chattanooga, Tenn.
Dow L. B., 79 Milk, Boston, Mass.
Dow L. B., Inc., Keene, N. H.
Ephrata Foundry & Machine Works, Ephrata, Pa.
Eyster, Weiser & Co., York, Pa.
Fitz Water Wheel Co., Hanover, Pa.
Gerdes & Co., 42 Church, New York.
See adv index at end of book
Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.
Holyoke Machine Co. ("Hercules"), **Worcester, Mass.**
Hunt Rodney Machine Co. ("Hunt-McCormick"), **Orange, Mass.**
Jolly J. & W., Inc. ("McCormick," "Holyoke"), **529 S East, Holyoke, Mass.**
Lane Mfg. Co. ("Monitor"), **Montpelier, Vt.**
Leffel Jas. & Co. ("Samson"), **East st, Springfield, O.**
Mine & Smelter Supply Co. ("De Remer"), **42 B'way, New York**
Morris I. P. Co. ("Francis" & "Girard" Type), **Richmond & Norris, Phila., Pa.**
Munson Mill Machinery Co. ("Little Giant"), **Utica, N. Y.**
Pelton Water Wheel Co., 19th & Harrison, San Francisco, Cal., & 100 Broadway, New York
Platt Iron Wks. Co. ("Victor," "Frances"), **Dayton, O.**
Poole Engng. & Mach. Co., Woodberry Sta., Baltimore, Md.
Salem Foundry & Machine Works ("Ajax") **Salem, Va.**
Seattle Machine Works Inc., 37-51 W Lander, Seattle, Wash.
Sergeant Mfg. Co., Greensboro, N. C.
SMITH S. MORGAN CO. ("Smith," "McCormick" & "New Sucess"), **P. O. Box 667, York, Pa.**
Trump Mfg. Co., Springfield, O.
United Iron Works ("Tutthell"), **San Francisco, Cal.**
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, O.
Wolf Co., Chambersburg, Pa.

16151—Turbines (Automatic High & Low Pressure Steam)

De Laval Steam Turbine Co., East Trenton, N. J.
See adv index at end of book
Kerr Turbine Co., Wellsville, N. Y.
Power Turbo Blower Co., 350 Madison av, New York

16152—Turbines (Hydraulic)

ALLIS-CHALMERS MFG. CO. ("Allis-Chalmers"), **Milwaukee, Wis.**
See adv index at end of book
Cramp Wm. & Sons Ship & Engine Bldg. Co., Richmond & Norris, Phila., Pa.
Holyoke Machine Co., Worcester, Mass.
Morris I. P. Co., Richmond & Norris, Phila., Pa.
Pelton Water Wheel Co. (Reaction & Impulse), **Dept. H, 19th & Harrison, San Francisco, Cal.**
SMITH S. MORGAN CO. ("Smith," "McCormick" & "Success"), **P. O. Box 667, York, Pa.**
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, O.
Wolf Co., Chambersburg, Pa.

16153— Turbines (Marine)

Bethlehem Shipbuilding Corp. Ltd. (For Direct Drive or with Reduction Gears), **Dept H, Broadhead & Parker av, Bethlehem, Pa.**
Cramp Wm. & Sons Ship & Engine Bldg. Co., Richmond & Norris, Phila., Pa.
Hallidie Co. (Steam Dealers), **Spokane, Wash.**
Smith Co. S. Morgan, P. O. Box 667, York, Pa.
Westinghouse Electric & Mfg. Co. ("Westinghouse" Type), **East Pittsburgh, Pa.** *See adv index at end of book*

16153a—*Turbines (Ship Propulsion)

Cramp Wm. & Sons Ship & Engine Bldg. Co., Richmond & Norris, Phila., Pa.
General Electric Co., Schenectady, N. Y.
See adv index at end of book

16154— Turbines (Steam)

ALLIS-CHALMERS MFG. CO. ("Allis-Chalmers"), **Milwaukee, Wis.**
See adv index at end of book
Bath Iron Works, Ltd. ("Parson's Marine"), **Bath, Me.**
Buffalo Forge Co. ("Spiro"), **490 B'way, Buffalo, N. Y.**
Connecticut Turbine Mfg. Co. (Auxiliary Type, 25 to 500 H. P.), **New London, Conn.**
Coppus Engineering & Equipment Co. ("Coppus," 1 to 50 H. P.), **344 Park, Worcester, Mass.**
DE LAVAL STEAM TURBINE CO. (Single Stage & Multi Stage for Direct Connection & Geared Belt & Rope Drives), **East Trenton, N. J.**
See adv index at end of book

Steam Turbines High efficiency turbines, velocity stage and pressure stage, of the impulse type. For all steam conditions, including high pressure condensing, back pressure, bleeder and mixed flow service. All capacities up to 15,000 hp. Very high efficiencies obtained by compounding. With the De Laval double helical speed reducing gears, used for driving machinery at all speeds. Ask for Catalog G.
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East Trenton New Jersey
and principal cities

GENERAL ELECTRIC CO. ("Curtis"), **Schenectady, N. Y.**
See adv index at end of book
Hackenburg Turbine Co., 66 Myrtle av, Flushing, N. Y.
Hallidie Co., Spokane, Wash.
INGERSOLL-RAND CO., 11 B'way, New York *See adv index at end of book*
Kerr Turbine Co. ("Kerr" Non Condensing Belting & Direct Connecting), **Wellsville, N. Y.**
Moore Steam Turbine Corp., Wellsville, N. Y.
Morris I. P. Co., Richmond & Norris, Phila., Pa.
Parsons Marine Steam Turbine Co., 2 Rector, New York
Rateau Battu Smoot Co., 90 West, New York
Ridgeway Dynamo & Engine Co., Ridgeway, Pa.
Southwark Foundry & Machine Co. ("Southwark-Rateau"), **1125 S 4th, Philadelphia, Pa.**
See adv index at end of book
Sturtevant B. F. Co. ("Sturtevant") **15 Damon, Hyde Park, Boston, Mass.**
Terry Steam Turbine Co. (Direct Connected to Dynamos, Pump, Blowers, etc), **Hartford, Conn.**
Turbine Equipment Co., 30 Church, New York
Westinghouse Electric & Mfg. Co. ("Westinghouse" Type), **East Pittsburgh, Pa.**
See adv index at end of book
Whiton, D. E. Mfg. Co. ("Lee"), **New London, Conn.**

16155— Tureens (Soup)

International Silver Co., Meriden, Conn.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Manning, Bowman & Co., Meriden, Conn.
Wallace R. & Sons Mfg. Co., Wallingford, Conn.

16156— Turmeric

Darragh & Small & Co., Ltd. (Imp), 177 Water, New York.
Fuller & Fuller Co., 540 W Randolph, Chicago, Ill.
Ransom L. E. Co., 271 Pearl, New York

16157—Turnbuckles (Blind)

Daniel Edward W., 4501 Lakeside av, Cleveland, Ohio
See adv index at end of book
Reading Hdw. Co. (Also Rim), Reading, Pa.

16158—Turnbuckles (Brass)

Daniel Edward W., 4501 Lakeside av, Cleveland, Ohio
See adv index at end of book
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Reading Hdwe. Co., Reading, Pa.
Wilcox Crittenden & Co. Inc., 444 S Main, Middletown, Conn.
See adv index at end of book
Wilkins, Geo. H. Co., 180 N Market, Chicago, Ill.

16158a—Turnbuckles (For Aircraft)

Baker Gun & Forging Co., Batavia, N. Y.
Maryland Pressed Steel Co., Hagerstown, Md.
National Aeroplane Co., 55 Washington blvd, Chicago, Ill.
Standard Screw Co. of Penn., Corry, Pa. 70 Washington, Brooklyn, N. Y.

16159—Turnbuckles (Insulated)

Electric Railway Equipment Co. (Malleable Iron), **2900H Cormany av, Cincinnati, Ohio.**
Electrose Mfg. Co. (Single & Multi-Part), **70 Washington, Brooklyn, N. Y.**
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Line Material Co., So. Milwaukee, Wis.

16160— Turnbuckles (Pile)

Vulcan Iron Works, 327 N Irving av, Chicago, Ill.

16161— Turnbuckles (Pipe)

Bacon & Matheson Forge Co. (With Eyes & Jaws), **17H W Lander, Seattle, Wash.**
Fisher C. W., 52H Broadway, New York
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*

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Open and Pipe, with stub, eye, hook or shackle ends, also Brass and Bronze.
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Marine Hardware-Equipment Co. ("Acme" & "Mheco"), **So. Portland, Me.**
Merrill Bros., 3 Arnold, Maspeth (Boro. of Queens), N. Y.
See adv index at end of book
Wilcox Crittenden & Co. Inc., 444 S Main, Middletown, Conn.
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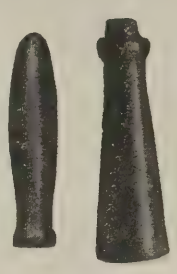
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16162—Turnbuckles (Screen Door)

DANIEL EDWARD W., 4501 Lakeside av, Cleveland, Ohio
See adv index at end of book
Marine Hardware Equipment Co., South Portland, Maine
National Mfg. Co., Sterling, Ill.

Turnbuckles (Tubular)

See Nuts, Sleeve

16162a—*Turnbuckles (Wire Rope)

American Steel & Wire Co., 208 5 La Salle, Chicago, Ill.
See adv index at end of book
DANIEL EDWARD W., 6525 St. Clair Av., Cleveland, Ohio
See adv index at end of book

Wizard Turnbuckles



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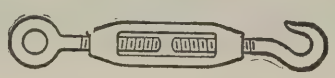
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Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Roeblings John & Sons Co., Trenton, N. J.
See adv index at end of book

16163—Turnbuckles (Wrought Iron)

American Bolt Corp., Whitehall bldg, New York
See adv index at end of book
American Bridge Co., 30 Church, New York
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Auer John Jr. (For Wood or Brick Buildings), 197 Middleton, Brooklyn, N. Y.
Bacon & Matheson Forge Co., W Lander & Whatcom, Seattle, Wash.
Bethlehem Steel Co., So. Bethlehem, Pa.
Bonney Forge & Tool Works, Tieghman, Allentown, Pa.
Channon Jas. H. Mfg. Co., 227 W. Erie, Chicago, Ill.
Cleveland City Forge & Iron Co., Cleveland, O.
Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.
Crescent Tool Mfg. Co., 1002 Cass av, St. Louis, Mo.
Fischer & Hayes Rope & Steel Co., 816 W Erie, Chicago, Ill.
See adv index at end of book
Fisher C. W., 52H Broadway, New York
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Harbor Machine Co. ("Non-Rust"), 183 High, Boston, Mass.
Harrison Bolt & Nut Co., Harrison, N. J.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Holton-Abbott Mfg. Co. ("Springturn" Elastic), 59 Goram, West Somerville, Mass.
Hubbard & Co. (With Welded Eye Bolts), 63rd & Butler, Pittsburgh, Pa.
Kansas City-Bolt & Nut Co., Kansas City, Mo.
Ketler-Elliott Co. ("Ketoco"), 31st & California, Chicago, Ill.
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
LARKIN J. K. & CO. (For Various Purposes), 253 Broadway, New York
See adv index at end of book
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
Marine Hardware Equipment Co., South Portland, Me.
MERRILL BROS. (Drop Forged), 3 Arnold, Maspeth (Borough of Queens), New York. *See adv index at end of book*



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Various Sizes and Lengths
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Newhall Chain, Forge & Iron Co., 89 West New York
O'Leary Arthur J. & Son Co., 65th & 57th av, Chicago, Ill.
REPUBLIC IRON & STEEL CO. ("Brazil" Hexagonal), Youngstown, O.
See Branch Offices Alphabetical Section.
Rhode Island Tool Co. (Drop Forged Plain & Eye & Hook & Eye), Providence, R. I.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
Standard Automatic Products Co., Corry, Pa.
Steel Car Forge Co., Frick bldg, Pittsburgh, Pa.
Strieby & Foote Co. (Drop Forged Steel), 301 Ogden, Newark, N. J.
Upson-Walton Co., 1294 W 11th, Cleveland, Ohio
Wilcox Crittenden & Co. Inc., 444 S Main, Middletown, Conn.
See adv index at end of book

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Wilkins Geo. H. Co., 180 N Market, Chicago, Ill.

16163a—*Turnbuckles (Wrought Iron & Steel Drop Forged)

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See adv index at end of book

Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Marine Hardware Equipment Co., S Portland, Me.
Merrill Bros., 3 Arnold (Queens Boro), Maspeth, L. I., N. Y.

16164—Turnbuckles (Wrought Iron Truss)

Fisher C. W., 52H Broadway, New York
Laughlin Thos. Co., 135 Fore, Portland, Me. *See adv index at end of book*
Marine Hardware Equipment Co., South Portland, Maine.
MERRILL BROS. (Drop Forged), 3 Arnold, Maspeth (Borough of Queens), New York. *See adv index at end of book*

16165— Turn Buttons

Corbin P. & F. ("Corbin"), Dept. H, New Britain, Conn.

16166— Turners (Cake)

Arcade Mfg. Co. (Steel Blade, wood handle), Freeport, Ill.
Browne & Dowd Mfg. Co., Meriden, Conn.
Browne W. G. Mfg. Co., Kingston, N. Y.
Buffum Tool Co. ("Swastika" for Griddle Cakes), South Side, Louisiana, Mo.
Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Catawissa Specialty Mfg. Co. (Turner & Greaser), Catawissa, Pa.
Central Stamping Co., 206 B'way, New York
Geuder, Paeschke & Frey Co., 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Hamblin & Russell Mfg. Co. ("Crown"), Worcester, Mass.
Hills Edwin, Plainville, Conn.
Kohler Die & Specialty Co., De Kalb, Ill.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Landers, Frary & Clark, New Britain, Conn.
Meriden Cutlery Co., Meriden, Conn.
National Enameling & Stamping Co., 411 Parks & Parks, Troy, N. Y.
Potter Mfg. Co. ("Potter"), Geneva, O.
Republic Metalware Co., 100 Alabama, Buffalo, N. Y.
Standard Aluminum Co. (Aluminum), Two Rivers, Wis.
White Ira F. & Son Co., Bloomfield, N. J.

16167—Turners (Wood, Automatic & Variety)

Beckwith Bros. Co., Westfield, Mass.
BOGERT & HOPPER, INC., 57 Barclay, New York *See adv index at end of book*
Bonnett Nicholas & Co., 619 W Adams, Chicago, Ill.
ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*
Nashua Spool & Bobbin Co., Haverhill Nat'l Bank bldg, Haverhill, Mass.
Nicoll & Co., 190-198 Hooper, San Francisco, Cal.
Slauf Mfg. Co., 1820 S LaSalle, Chicago, Ill.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

16167a— Turnings (Wood)

BOGERT & HOPPER, INC. (Artists, Novelty Enameled, Back Knife, Fancy Fireworks, Electrical Pianos, etc.), 57 Barclay, New York
See adv index at end of book
Cady Mfg. Co., Auburn, N. Y.
Carrom Co., Ludington, Mich.
Detroit Wood Products Co., 4332 Horatio, Detroit, Mich.
Estes E. B. & Sons (Architectural, Novelty, Electrical, Enameled, Furniture), 364 5th av, New York
See adv index at end of book
Kiamensi Clay Co., Equitable bldg, Wilmington, Del.
Nashua Spool & Bobbin Co. (Lignum Vitae, Ebony, Maple, Birch, etc.), Haverhill National Bank bldg, Haverhill, Mass.

(Continued on following page)

Turnings (Wood)—Continued

Newton & Thompson Mfg. Co., 200 5th av, New York
Nicoll & Co., 190-198 Hooper, San Francisco, Cal.
Redlich Mfg. Co., 637-647 W. Oak, Chicago, Ill.
Slauf Mfg. Co., 1820 S LaSalle, Chicago, Ill.
Stevenson Mfg. Co. (Electric), South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Wing Spool & Bobbin Co., Kingfield, Me.

16167b—Turnover (Plate, Steel Mill)

Treadwell Engineering Co., Easton, Pa.
See adv index at end of book

16167c—*Turnpins (Plumbers)

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

16168— Turns (Cupboard)

Allith-Prouty Co. ("Prouty"), Danville, Ill.
Barrows Lock Co., Lockport, Ill.
Brass Goods Mfg. Co., 345 Eldert, Brooklyn, N. Y.
Corbin P. & F., New Britain, Conn.
Dent Hardware Co., Fullerton, Pa.
Frantz Mfg. Co., Sterling, Ill.
Hardware Supply Co., Grand Rapids, Mich.
Lawrence Bros. (All Steel), Sterling, Ill.
National Mfg. Co. (Pressed Steel or Brass), Sterling, Ill.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sager Lock Co., North Chicago, Ill.
Sargent & Co., New Haven, Conn.
Sharon Hardware Mfg. Co. (Pressed Steel), Sharon, Pa.
Shelby Metals Products Co., Shelby, Ohio
Shelby Spring Hinge Co., Shelby, O.
Taylor & Boggis Foundry Co., Cleveland, O.
Tru Lite Mfg. Co. ("Tru-Lite"), Dept. H, Bradford

16169— Turnstiles

Bright H. V. (Registering), 1104 Prospect, Cleveland, O.
Fiske J. W. Iron Works, 111 Park pl, New York
Lutz Co. Inc., Morris & Bambrey, Phila., Pa.
Moore Edgar M. & Co. (Exit), Farmers' Bank bldg, Pittsburgh, Pa.
PEREY MANUFACTURING COMPANY, INC. ("Perey"), 101 Park Av., New York
See adv index at end of book

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101 PARK AVE. N. Y. CITY, N. Y.

Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Snow Wire Works Co. (Registering), Rochester, N. Y.
West Coast Wire & Iron Works, 861 Howard, San Francisco, Cal.

16170—Turntable Equipments

Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book

BLAW-KNOX CO.
681 Farmers Bank Building
PITTSBURGH, PA.
Manufacturers of
TRUCK TURNTABLES

NICHOLS GEO. P. & BRO. (Electric, Gasoline & Air), 2139 Fulton, Chicago
See adv index at end of book
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.

16171—Turntable Tractors (Electric & Air)

DETROIT HOIST & MACHINE CO., Detroit, Mich. *See adv index at end of book*

TURNTABLE TRACTORS
Electric & Air
DETROIT HOIST & MACHINE CO.
DETROIT, MICH.

Nichols Geo. P. & Bro., 2139 Fulton, Chicago, Ill.
See adv index at end of book

Nichols Turntable Tractors
More than 100 Railroads use them
More than 900 in use
GEO. P. NICHOLS & BRO.
2139 Fulton Street
Chicago, Ill.

16171a— Turntables

See also following headings

Am. Tube & Stamping Co. (Talking Machine), Dept. H, Bridgeport, Conn.
Bethlehem Steel Bridge Co., Dept H, Bethlehem, Pa.
BLAW-KNOX CO., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Louden Machinery Co., Fairfield, Iowa
McMyler-Interstate Co. (The), Cleveland, Ohio *See adv index at end of book*
Whiting Corp., Dept. H, Harvey, Ill.

16172—Turntables (Automobile)

American Bridge Co., 30 Church, New York
Atlas Car & Mfg. Co., Cleveland, O.
See adv index at end of book
Bethlehem Steel Bridge Corp., Dept. H, Bethlehem, Pa.
Bicycle Step Ladder Co., 6 W Randolph, Chicago, Ill.
Cambridge Iron Works, Cambridge, Mass.
CANTON FDRY. & MACH. CO. ("Universal"), Canton, Ohio
See adv index at end of book
Champion Engrg. Co., Kenton, Ohio
Ernst C. K. ("Ernst"), Buffalo, N. Y.
Ernst's Chas. F. Sons, 75 Lathrop, Buffalo, N. Y.
Gibbs-Brower Co. (Sterling-Elliott), 261 B'way, New York
Lansing Co., Lansing, Mich.
Lederle Robt. B., Witherspoon bldg, Phila., Pa.
North Machine Co., ("Acme"), 324 Main, San Francisco, Cal.
Portland Garage Co. ("Portland" Washstand Combined), 51 Cross, Portland, Me.
Roanoke Iron Works, Roanoke, Va.
Smith G. W. & F. Iron Co., Gerard, Rox, Boston, Mass.
Smith H. Lund, Paterson, N. J.
Withers Foundry & Machine Works, Atlanta, Ga.
Zering H. Mfg. Co., B. & O. Ry. & Hickory, Oakley, Cincinnati, O.
See adv index at end of book

16173—*Turntables (Automobile Washstand)

Canton Fdry. & Mach. Co., Canton, Ohio
See adv index at end of book

16173a— *Turntables (Ball Bearing)

Canton Fdry. & Mach. Co., Canton, Ohio
See adv index at end of book
Lakewood Engineering Co., Cleveland, O.

16174-5—Turntables (Industrial Railway)

See also Turn Tables, Standard Gauge; also Tables, Transfer

American Frog & Switch Co., Hamilton, O.
See adv index at end of book
Atlas Car & Mfg. Co. (Locomotive, etc), Cleveland, O. *See adv index at end of book*
CANTON FDRY. & MACH. CO. ("Universal"), Canton, Ohio
See adv index at end of book
Chase Foundry & Mfg. Co. The, 2700 S Parsons av, Columbus, O.
See adv index at end of book
Easton Car & Construction Co., 36 Holley, Easton, Pa.
Howe Scale Co. of Illinois, 1222 S Wabash av, Chicago, Ill.
Hunt C. W. Co., West New Brighton, N. Y.
See adv index at end of book
Lake Shore Engine Works, Marquette, Mich.
Light Railway Equipment Co., Commercial Trust bldg., Phila., Pa.
LINK-BELT COMPANY (Ball Bearing), 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Lobdell Car Wheel Co., Wilmington, Del.
Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.
Nazareth Foundry & Machine Co., Nazareth, Pa.
Northern Engineering Works, 210 Chene, Detroit, Mich.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Turl Iron & Car Co. (Inc.) The, 50 Broad, New York. Works: Newburgh, N. Y.
United Iron Works Inc., Kansas City, Mo.
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.

16176—Turntables (Overhead)

Harrington Edw. Son & Co., 17th & Callowhill, Phila., Pa.
Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book
Roeker Crane & Hoist Works, Reading, Pa.
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.

16177—Turntables (Pressed Steel)

Steacey-Schmidt Mfg. Co., York, Pa.

16178—Turntables (Show Case)

Pearce Fred'k Co., 70 W 40th, New York

16179—Turntables (Standard Gauge)

See also Turntables, Industrial Railway; also Tables, Transfer; also Tables, Transfer, Electric

American Bridge Co., 30 Church, New York
Bethlehem Steel Co., Bethlehem, Pa.
Boston Bridge Works (Railroad Turntables, etc), 47 Winter, Boston, Mass.
Fulton Foundry Co. (Turn Tables Only), 1209 Marquette av, Cleveland, O.
King Bridge Co., Cleveland, O.
McClintic-Marshall Company, Oliver bldg., Pittsburgh, Pa.
Missouri Valley Bridge & Iron Co. (A. J. Thullock, Prop.), Leavenworth, Kan.
Penn. Bridge Co., Beaver Falls, Pa.
Philadelphia Turntable Co., New Castle, Del.
Republic Iron & Steel Co., Oliver bldg, Pittsburgh, Pa.
Sellers Wm. & Co. (Locomotive), 1600 Hamilton, Phila., Pa.
Strobel Steel Construction Co., Monadnock Blk, Chicago, Ill.
Virginia Bridge & Iron Co., Roanoke, Va.

16180— Turpentine

ALABAMA.

ANDALUSIA—Ashe-Carson Co.
Sightler, L. H.
MOBILE—Taylor, Lowenstein & Co.

DELAWARE.

WILMINGTON—
HERCULES POWDER CO.
(Wood) (Naval Stores Div.)

FLORIDA.

APALACHICOLA—Buck J. F.
Lagoon Co.
BAKERS MILLS—Vickers & Sandlin
BALDWIN—Saucer-Boyd & Co.
BARBERVILLE—Tatum Bro.
BELLE ISLE—Covington W. H. Co.
BLACKMAN—Monroe W. H.
BONIFAY—Britt Bros.
BRISTOL—Bristol Naval Stores Co.
BULOW—Bulow Turpentine Co.

CHAMPAIGN—Palmer J. J.
DE FUNIAK SPRINGS—Walton Land & Timber Co.
DE LAND—Tomoka Land Co.
DUPONT—Dupont Land Co.
EDGE—McCormick D. G. Co.
ENVILLE—Weeks P. L. & Co.
FARMDALE—M. B. Davis
FENHOLLOWAY—Malloy Bros. & Turner
FREEPORT—McGaskill J. J. Co.
GREEN COVE SPRINGS—National Pulp & Turpentine Co.
Shands T. W. & Co.
Smith Turpentine Co.
GRIFFIN—Kelly J. K. & Co.
GULL POINT—Pensacola Tar & Turpentine Co. (Wood)
HAMPTON SPRINGS—Malloy, Smith & Co.
HAVANA—Boynton, W. J.
HOLDER—Robinson T. W.
HOLLEY—Bell O. C. & Co.
HOSFORD—Graves Bros. Co.
HURDS—Williams & Williams
JACKSONVILLE—Baldwin & Lewis
Consolidated Naval Stores Co.
Herty Turpentine Cup Co.
Peninsular Naval Stores Co.
JASPER—Sandlin J. R.
KISSIMMEE—Drew Miller & Co.
LAKE BUTLER—Townsend J. W.
LAWTEY—Bostwick, Harley & Co.
LEBANON—King R. M. Lumber Co.
LEE—Baldwin & Lewis
LOUGHMAN—Deen Turpentine Co.
McINTYRE—Cochran & Phillips
MILLCREEK—Omstead O. J.
MILTON—Barber Turpentine Co.
MONTICELLO—Bryan N. C.
McClellan James A.
MOSELEY HALL—Jordan, Millinor & Co.
NEW SMYRNA—Glencoe Turpentine Co.
OCALA—Hall R. S. & Co.
PERRY—Holmes Jas. & Son
ROCKBLUFF—Rockbluff Co.
RODMAN—Rodman Turpentine Co.
SUMATRA—Fryer R. D.
Petteway H. H.
WEBSTER—Getzen J. C.
WILDWOOD—McRainey & Bridges
WILLISTON—Hinson C. & Co.
WOODVILLE—Rhodes G. W.

GEORGIA.

ALBANY—Tyler C. B.
ARLINGTON—Newberry Isaac
BAINBRIDGE—Ansley C. K. C.
BAXLEY—Graham Mrs. S. C. & Son
BLAKELY—McLendon R. R.
Sheffield R. H.
BLITCHTON—Blitch T. N.
BLUFFTON—Hattaway & Co.
CAMILLA—McRee & McNeil
CLIMAX—Peacock & Co.
CLITO—McDougald Outland & Co.
COLQUITT—Fudge F. E.
Shingler J. S. & Bro.
CYRENE—Hodges C. S.
DAISY—Tippins A. L.
DAMASCUS—Haddock, Taliferro & Co.
DONALDSONVILLE—Shingler T. J. & Bros.
EDEN—Fetzer G. W.
FENDIG—McKinnon L. T. & Co.
GRAHAM—Ursery L. C.
HAHIRA—Malloy D. C. & Co.
HALCYON DALE—Evans L. H.
HAZELHURST—Hall J. F.
HELENA—McMillan & Johnson
HOMERVILLE—Barnhill J. F.
Ferndon J. H.
Peagler H. M.
IRON CITY—Hagan G. W.
LEXSY—Youmans Bros.
McGREGOR—McArthur W. T.
MEIGS—Carter J. N.
MILLTOWN—Brigman, Shingler & Co.
Byrd J. L. & Co.
MINEOLA—Mineola Naval Stores Co.
MONIAC—Knabb L.
MOULTRIE—Moore & Horkan
NIELLY (P. O. at Lumber City)—Smith, T. J.
NORMAN PARK—Norman Bros.
Norman M. D. & J. T.
Norman R. L.
ODUM—O'Quinn W. J. & Sons
PELHAM—Moore, Prince & Co.
QUITMAN—De Soto Co.
SAVANNAH—Antwerp Naval Stores Co.
Columbia Naval Stores Co.
London-Savannah Naval Stores Co.
STATESBORO—McDougald J. A.
STOCKTON—Fry E. Y.
SURRENCY—Ross J. A.
SYLVANIA—Mallory W. A. & Bro.
Pfeiffer C. B. (Est. of)
VIDALIA—Peacock, Kelly & Co.
WHITE OAK—McKinnon & McCarthy

ILLINOIS.

CHICAGO—Adams Fred C. (Mfrs' Agt. Central Commercial Co. (Jobbers), 111 N Market
Gum Turpentine & Wood Turpentine), 118 N La Salle
Harshaw, Fuller & Goodwin Co., 136 N La Salle
RIDDELL CHEMICAL CO. (Spirits, Venice, Artificial & True), 35 S Dearborn
See adv index at end of book

IOWA.

DES MOINES—Ankeney Linseed Mfg. Co., (Jobbers)

LOUISIANA.

COVINGTON—Jones & Pickett
Picayune Turpentine Co.
ELIZABETH—Producers' Turpentine Co. (Wood)
NEW ORLEANS—Forest Products Co., 1212 Whitney
Gillican-Chipley Co. Inc., Central National Bank bldg
Naval Stores Equipment (Jobbers), Canal Bank bldg

MAINE.

PORTLAND—Brown Corp. ("La Tuque")

MICHIGAN.

CADILLAC—Cadillac Turpentine Co.

MINNESOTA.

ST. PAUL—American Linseed Co., 794 Hampden av

MISSOURI.

ST. LOUIS—Pierce Oil Corp., Bank of Com. bldg

NEW JERSEY.

MILLVILLE—Millville Pulp & Products Co.

NEW YORK.

NEW YORK—Barclay Naval Stores Co. (Wood & Gum Spirit), 56 Delevan
Casey John A. Co. (Jobbers), 50 Church
Cooper & Cooper Inc., 23H Cliff
Fuller Ralph L. & Co., Inc., 81 Fulton
General Naval Stores Co., 90 West
Georgia Pine Turpentine Co. (of New York) ("Turpyne" Wood), 150 Perry
Harshaw, Fuller & Goodwin Co., 100 William
See adv index at end of book
Industrial Chemical Co. (Steam Distilled), 1414 Fifth Av bldg
See adv index at end of book
Larendon M. W. & Co. (Jobbers), 82 Wall
Rosin & Turpentine Export Co. (Dirs.), 90 Wall
Sealy Thomas (Jobbers "Pine Tree," "Standard," "Paragon," Spirits, 138 Front

NORTH CAROLINA.

CANTON—Champion Fibre Co.
MANLEY—Buchan P. F.
WILMINGTON — North Carolina Naval Stores Co.
Grimes J. A.

OHIO.

CINCINNATI—Winkler Isaac & Bro. Co. (Jobbers), 1st Natl. Bank bldg
CLEVELAND—Harshaw, Fuller & Goodwin Co., 545 Hanna bldg.
See adv index at end of book
HAMILTON—Champion Fibre Co.

PENNSYLVANIA.

GLENSHAW — Brazilian Turpentine Co. (Ltd.)
PHILADELPHIA—Boley C. H. Co. 3723 N. Randolph
Harshaw, Fuller & Goodwin Co., Jackson & Swanson
See adv index at end of book
PITTSBURGH—Ball Chemical Co. ("B. C. Spirits") Fulton bldg

TEXAS.

DOUCETTE—Long Bell Naval Stores Co.

16181—Turpentine (Mineral)

Waverly Oil Works Co. ("Tur-Min-Tine"), 54th & A. V. R. R., Pittsburgh, Pa.

16182—Turpentine Substitute

Angeles Snowolen Refining Co. ("Peacock Quality"), 2101 E Florence av, Los Angeles, Cal.
Atlantic Turpentine & Pine Tar Co., Savannah, Ga.
Barclay Naval Stores Co., 56 Delevan, Brooklyn, N. Y.
Boley C. H. Co. ("Quaker" Gum Spirits), 3723 N Randolph, Philadelphia, Pa.
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Patton Paint Co. ("Leptyne"), Milwaukee, Wis
Peerless Thinner Co., Mt. Washington, Md.
Sero Specialty Co., 2860 E 84th, Cleveland, O.
Sun Co., 1240 H Finance bldg, Phila., Pa.
Terabentine Co., Comm. Trust bldg, Phila., Pa.
Texas Company, The, Dept. D, 17 Battery pl, New York
See adv index at end of book
Turpsene Mfg. Co. ("Turpsene"), 315 Market, Phila., Pa.
Verona Chemical Co. (Oil oxidized), Verona av, Newark, N. J.
Waverly Oil Wks. ("Tur-Min-Line"), 54th & A. V. R. R., Pittsburgh, Pa.

16183—Turret Attachments

Bradford Machine Tool Co., Cincinnati, O.
Goodell-Pratt Co., Greenfield, Mass.
Hendey Machine Co. ("Hendey" for Engine Lathes), Torrington, Conn.
Phoenix Mfg. Co. ("Phoenix"), Eau Claire, Wis.
Salter Motor Mfg. Co. (Double Lock for Engine Lathes), 1516 Oakland av, Kansas City, Mo.

16184-5—Turrets (Tool-Post)

McCrosky Tool Corp., Dept. H, Meadville, Pa.
Newman Mfg. Co., 420 Elm, Cincinnati, O.
Porter-Cable Machine Co., The, 708 N Salina, Syracuse, N. Y.
See adv index at end of book

16186— Tuyeres & Coolers

Dixie Brass & Foundry Co. (Bronze), Birmingham, Ala.
Hartman Co., 1231 N Front, Phila., Pa.
Keystone Bronze Co., 39th & A. V. R. R., Pittsburgh, Pa.
Krenz Oscar Copper & Brass Wks., 612H Bryant, San Francisco, Cal.
Lawrenceville Bronze Co., 39th & A. V. RR, (Also Notches), Bessemer bldg, Pittsburgh, Pa.
Mackenzie's Duncan Sons Co., Trenton, N. J.
Main Iron Works (Coolers), 16th & Daggett, San Francisco, Cal.
More-Jones Brass & Metal Co. (Copper), B'way & Dock, New St. Louis, Mo.
Smeeth-Harwood Co., 2401 W 22nd, Chicago, Ill.
York Hardware & Brass Works Inc. (Coppers), York, Inc.

16187— Tweezers

Adell Mfg. Co. ("Tolman"), Orange, Mass.
Boettiger Louis A. Co. (Hair), 48 Leonard, New York
Bullock Mfg. Associates ("Bullock," Jewelers', Opticians', Dental Surgeons', Printers'), Springfield, Mass.
Celluloid Co., 36 Washington pl., New York
Clark A. N. & Son, Plainville, Conn.
Dixon Wm. (Jewelers), 119 Fulton, New York
Kohlbusch Herman, Sr., Inc. (Diamond), 149 New York av, Jersey City, N. J.
Ross Jos. & Co., Irvington, N. J.
Ruttgers Ernst Inc., 242-46 Chestnut, Brooklyn, N. Y.
Schnefel Bros., 684 S 17th, Newark, N. J.
Smith & Hemenway Co., Inc. ("Red Devil"), 261 Broadway, New York and 130 H Colt, Irvington, N. J.
See adv index at end of book

16188-9—Tweezers (Piano Makers')

Kraeuter & Co., 583 18th av, Newark, N. J.

16190—*Twin Bolts (For Hollow Walls, Metal, Etc.)

DIAMOND EXPANSION BOLT CO. ("Diamond"), 89 West, New York
See adv index at end of book

16191— Twine (Binder)

(We do not list State Penitentiaries)

American Mfg Co. (Sisal & Manila & Jute)
Noble & West, Brooklyn, N. Y.
Chelsea Fibre Mills, 295 5th av, New York
Columbian Rope Co., 3050 Genesee, Auburn, N. Y.
Emerson Brantingham Co. ("E. B. Osborne"), Rockford, Ill.
Feitel Dan W. Bag Co., Dept. H, New Orleans, La.
Groendyke J. C. Co. (Manila & Sisal), 608 S Dearborn, Chicago, Ill.
Hooven & Allison Co. ("Star-A. H."), Xenia, O.
Indianapolis Cordage Co. (Manila & Sisal), Indianapolis, Ind.
International Harvester Co. of America (Inc.), ("Deering," "McCormick," "International," Six Grades — Standard, Sisal, Extra Manila, Manila Superior, Manila, Pure Manila), 702 Harvester bldg, Chicago, Ill.
Jackson Thos & Son Co. (Manila & Sisal), Reading, Pa.
Kelly R. A. Co., Xenia, O.
MacGowen & Finigan, Pierce bldg, St. Louis, Mo.
New Bedford Cordage Co. (Jute), New Bedford, Mass.
Peoria Cordage Co. (Sisal & Manila), Peoria, Ill.
Plymouth Cordage Co. ("Plymouth," "Pilgrim"), North Plymouth, Mass.
Portland Cordage Co. (Manila & Sisal), 495 Northrup, Portland, Ore.
Unity Cotton Mills (Cotton), La Grange, Ga.
Whitlock Cordage Co., 46 South, New York
Winne F. W. & Son, Inc., 237 Market, Phila., Pa.

16192— Twine (Box & Shook)

Columbian Rope Co., 3050 Genesee, Auburn, N. Y.
Tubbs Cordage Co., Kohl bldg, San Francisco, Cal.

16193— Twine (Broom)

Nitram Mfg. Co. (Waterproof), 47H Long, E Orange, N. J.

16194— Twine (Cotton)

Ackerly Paul, Vernon, Conn.
American Bag Co. (also Twine & Burlap), 3d & Harrison, Oakland, Cal.
Atkins & Pearce Mfg. Co., 5th & Eggleston av, Cincinnati, O.
Barrows Mfg. Co., Lansdale, Pa.
Beaumont Mfg. Co., Spartanburg, S. C.
Bemis Bro. Bag Co., 601 S 4th, St. Louis, Mo.
Bibb Mfg. Co., Macon, Ga.
California Cotton Mills Co. ("B. C." & "B. B.," also Jute), Oakland, Cal.
Carpenter Geo. B. & Co., 434 N Wells, Chicago, Ill.
See adv index at end of book
Cayuga Linen & Cotton Mills, Auburn, N. Y.
Central Mills Co., Southbridge, Mass.
Cleveland Mill & Power Co., Lawndale, N. C.
Demopolis Cotton Mills, Montgomery, Ala.
Dexter Yarn Co., Pawtucket, R. I.
Double Shoal Cotton Mill (Wrapping & Sewing), Double Shoal, N. C.
Eagle Cotton Mills Co., Madison, Ind.
Ederer R. J. Co., 548 Orleans, Chicago, Ill.
Ensign Cotton Mills, Forsyth, Ga.
Enterprise Cotton Mills (In Balls), Enterprise, Ala.
Estes Mills ("D," "W," "B," "A," "Liberty"), Fall River, Mass.
Eureka Cotton Mills, Englewood, Tenn.
Franklin Cotton Mill Co., Plum & Charles, Cincinnati, O.
Fulton Bag & Cotton Mills ("Eagle Sail"), Atlanta, Ga.
Glencoe Cotton Mills, Columbia, S. C.
Grahamton Mfg. Co., Grahamton, Ky.
Gray S. & Co. (Colored), Walpole, Mass.
Gulf Bag Co. ("Bemis" Sail), 330 Notre Dame, New Orleans, La.
Hall Lincoln & Co., 154 Milk, Boston, Mass.
Hodson J. M., Boone & Markle, Philadelphia, Pa.
Hooper Sons Mfg. Co., Juniper & Cherry, Phila., Pa.
Hooper Wm. E. & Sons ("Imperial," "Hooperwood"), 3502 Parkdale av, Baltimore, Md.
Humboldt Cotton Mills, Humboldt, Tenn.
January & Wood Co., Maysville, Ky.
Jonesboro Yarn Mills Co., Jonesboro, Tenn.
Kelley Hy. C. Co., 35-37-39 Worth, New York
Knox W. & J. Net & Twine Co., Johnson & Barney, Baltimore, Md.
Lawrence Duck Co., Lawrence, Mass.
Lees Mfg. Co., Westport, Conn.
Mallison Braided Cord Co., Athens, Ga.
Manchester Mfg. Co., Macon, Ga.
Missouri Cotton Yarn Mfg. Co. (Wrapping & Sewing), 300 Lynch, St. Louis, Mo.
Montgomery Cordage Co., Montgomery, Ala
Moore C. & Co., 5th & Market, Philadelphia, Pa.
Morice Twine Mills, Water & Tasker, Phila., Pa.
Mt. Vernon-Woodberry Mills, Inc., Continental bldg, Baltimore, Md.
Ninigret Co. (Druggists), Pawtucket, R. I.
Oakdale Cotton Mills, Jamestown, N. C.
Orange Cotton Mills (Wrapping), Orangeburg, S. C.
Oxford Cotton Mills, Oxford, N. C.
Pelham Mills (In Balls), Pelham, S. C.
Peter & Guckenberger, 1205 Budd, Cincinnati, O.
Pioneer Cotton Mills, Guthrie, Okla.
Rock River Cotton Co., Jonesville, Wis.
Royal River Mfg. & Power Co., Yarmouth, Me.
Schermerhorn Bros. Co., 5 N La Salle, Chicago, Ill.
Southern Mills Corp., Oxford, Ala.
Tallassee Falls Mfg. Co., Tallassee, Ala.
Tennessee Line & Twine Co. (Fancy Colored, on ½ to 60 lb. Tubes), Elizabethton, Tenn.
Thompson Jas. & Co., 112 Prince, New York
Townsend H. C. Cotton Mills (In Balls, also on Cones & Tubes), Anderson, S. C.
Travers Twine & Cordage Co., 81 Warren, New York
Trio Mfg. Co., Forsyth, Ga.
Twine Mills Corp. (White & Colored), Roanoke, Va.

UNION PAPER & TWINE CO., 125 St. Clair av N W, Cleveland, O., & 538 Brisbane bld, Buffalo, N. Y.
See adv index at end of book

Union Twine Co., Canonchet, R. I.
Unity Cotton Mills, La Grange, Ga.
Werthan Bag Co., 12th & Clinton, Nashville, Tenn.
West Huntsville Cotton Mills Co., Huntsville, Ala.
Whitaker Wm. D., Cedar Grove, Philadelphia, Pa.
Yocona Mills, Water Valley, Miss.
Young J. B., J. & Levick, Phila., Pa.

16195— Twine (Flax)

Barbour Flax Spinning Co., Paterson, N. J.
Bemis Bro. Bag Co., 601 S 4th, St. Louis, Mo.
Cable Flax Mills, Schaghticoke, N. Y.
California Cotton Mills Co. ("B.C." & "B. B."), Oakland, Cal.
Cating Rope Works, Maspeth, N. Y.
Columbian Rope Co., 3050 Genesee, Auburn, N. Y.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Hooper Wm. E. & Sons, 3502 Parkdale av, Baltimore, Md.
Linen Thread Co., 96 Franklin, New York
Peter & Guckenberger, 1205 Budd, Cincinnati, O.
Rauschenberger John Co., 87 W Water, Milwaukee, Wis.
Smith & Dove Mfg. Co., Andover, Mass.
Thompson Jas. & Co., 112 Prince, New York
Travers Twine & Cordage Co., 81 Warren, New York

UNION PAPER & TWINE CO., 125 St. Clair av N W, Cleveland, O., & 538 Brisbane bld, Buffalo, N. Y.
See adv index at end of book

Upson-Walton (The), 1100 W 11th, Cleveland, Ohio
Werthan Bag Co., 12th & Clinton, Nashville, Tenn.

16196— Twine (Ham)

Columbian Rope Co., 3050 Genesee Auburn, N. Y.

16197— Twine (Harness)

Allen J. & S. (Linen), Walpole, Mass.
Ballou Thread Co., 189 Charles, Providence, R. I.
Barrows Mfg. Co. (Cotton & Linen), Lansdale, Pa.
Cranston Worsted Mills, Bristol, R. I.
Fawcett Hughes, 115 Franklin, New York
Hoffman-Corr Mfg. Co., 312 Market, Phila., Pa.
Moore C. & Co. (Jacquard), Dept. H, 5th & Market, Phila., Pa.
Smith & Dove Mfg. Co., Andover, Mass.

16198— Twine (Hemp)

American Mfg. Co. (Indian, Italian & American), West & Noble, Brooklyn, N. Y.
Barbour Flax Spinning Co., Paterson, N. J.
Bemis Bro. Bag Co., 601 S 4th, St. Louis, Mo.
Cable Flax Mills, Schaghticoke, N. Y.
California Cotton Mills Co. ("BC" & "BB"), Oakland, Cal.
Carpenter Geo. B. & Co., 434 N Wells, Chicago, Ill.
See adv index at end of book
Columbian Rope Co., 3050 Genesee, Auburn, N. Y.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Hanover Cordage Co., Hanover, Pa.
Hooven & Allison Co., Xenia, O.
Kentucky River Mills, Frankfort, Ky.
New York Cordage Co., 113 Spring, New York
Peter & Guckenberger, 1205 Budd, Cincinnati, O.
Rauschenberger John Co., 87 W Water, Milwaukee, Wis.
Smith & Dove Mfg. Co., Andover, Mass.
Thompson Jas. & Co., 112 Prince, New York

UNION PAPER & TWINE CO., 128 St. Clair av NW, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book

Winne F. W. & Son Inc., 237 Market, Phila., Pa.

16199— Twine (Jute)

Allentown Spinning Co., 561 Gordon, Allentown, Pa.
American Mfg. Co., Noble & West, B'rklyn, N. Y.
Bemis Bro. Bag Co., 601 S 4th, St. Louis, Mo.
Cable Flax Mills, Schaghticoke, N. Y.
Cal. Cotton Mills Co. ("BC" & "BB"), Kennedy & Railroad av, Oakland, Cal.
Carpenter Geo. B. & Co., 434 N Wells, Chicago, Ill.
See adv index at end of book
Chelsea Fibre Mills, 285 5th av, New York
Columbian Rope Co., 3050 Genesee, Auburn, N. Y.
Crichton Alex F., Wilmington, Del.
Dolphin Jute Mills, Paterson, N. J.
Feitel Dan W. Bag Co., Dept. H, New Orleans, La.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Hanover Cordage Co., Hanover, Pa.
Hodson J. M., Boone & Markle, Philadelphia, Pa.
Hooven & Allison Co., Xenia, O.
Jackson Thos. & Son Co., Reading, Pa.
Ludlow Mfg. Associates, 111 Devonshire, Boston, Mass.
Morice Twine Mills, Water & Tasker, Phila., Pa.
Peter & Guckenberger, 1205 Budd, Cincinnati, O.
Radcliffe & Shaw Co., Glen Rock, Pa.
Rauschenberger John Co., 87 W Water, Milwaukee, Wis.
Schlichter Jute Cordage Co., 20 N Front, Phila., Pa.
Sutherland & Edwards Co., Paterson, N. J.
Travers Twine & Cordage Co., 81 Warren, New York

UNION PAPER & TWINE CO., 128 St. Clair av NW., Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book

Werthan Bag Co., 12th & Clinton, Nashville, Tenn.
Winne F. W. & Son Inc., 237 Market, Phila., Pa.

16200— Twine (Linen)

Barbour Flax Spinning Co., Paterson, N. J.
Barrows Mfg. Co., Lansdale, Pa.
Cable Flax Mills, Schaghticoke, N. Y.
Cayuga Linen & Cotton Mils, Auburn, N. Y.
Ederer R. J. Co., 169 N Franklin, Chicago, Ill.
Fawcett Hughes, 115 Franklin, New York
Fulton Bag & Cotton Mills, Atlanta, Ga.
Moore C. & Co., 5th & Market, Philadelphia, Pa.
Thompson Jas. & Co., 112 Prince, New York
Union Twine Co., Canonchet, R. I.

16201— Twine (Mattress)

Auburn Converting Co. ("Acco"), 188 Clark, Auburn, N. Y.
Columbian Rope Co., 3050 Genesee, Auburn, N. Y.
Nitram Mfg. Co., East Orange, N. J.

16202— Twine (Paper)

Hayner Geo. M., 541 W 56th, New York
Wortendyke Mfg. Co., ft. 13th, Richmond, Va.

16203— Twine (Paperhangers')

Columbian Rope Co., 3050 Genesee, Auburn, N. Y.

16204— Twine (Sail)

American Mfg. Co., Noble & West, B'rklyn, N. Y.
Bemis Bro. Bag Co., 601 S 4th, St. Louis, Mo.
Bibb Mfg. Co., Macon, Ga.
Brownell Co., Moodus, Conn.
California Cotton Mills Co. ("BC" & "BB" Cotton), Oakland, Cal.
Columbian Rope Co., 3050 Genesee, Auburn, N. Y.
Dexter Yarn Co., Pawtucket, R. I.
Feitel Dan W. Bag Co., Dept. H, New Orleans, La.
Gulf Bag Co. (Imp.), 330 Notre Dame, New Orleans, La.
Hall, Lincoln & Co. (Cotton), 154 Milk, Boston, Mass.
Hanover Cordage Co., Hanover, Pa.
Hooper Wm. E. & Sons ("Hooperwood"), 3502 Parkdale av, Baltimore, Md.
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Mt. Vernon Woodberry Mills Inc. ("Woodberry"), 506 Continental bldg., Baltimore, Md.
Schlichter Jute Cordage Co. (Jute), 20 N Front, Phila., Pa.
Trio Mfg. Co. (Cotton), Forsyth, Ga.

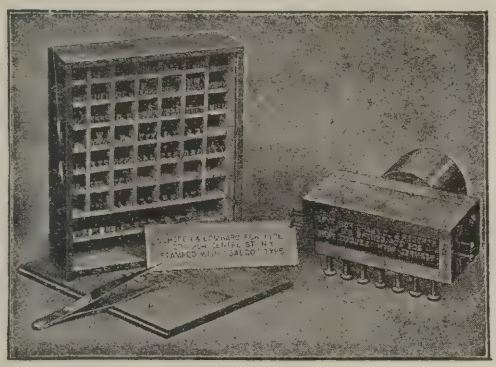
16205— Twine (Seine)

American Net & Twine Co., 575 Atlantic av, Boston, Mass.
Ashaway Line & Twine Mfg. Co. (Cotton), Ashaway, R. I.
Bibb Mfg. Co., Macon, Ga.
Brownell Co. (Hard, Medium & Soft Cotton), Moodus, Conn.
California Cotton Mills Co. ("BC" & "BB" Cotton), Oakland, Cal.
Cleveland Mill & Power Co. (Cotton), Lawndale, N. C.
Dexter Yarn Co., Pawtucket, R. I.
Gloucester Net & Twine Co. (Cotton), Gloucester, Mass.
Hooper Wm. E. & Sons ("Hooperwood"), 3502 Parkdale av, Baltimore, Md.
Jonesboro Yarn Mills Co. (Cotton), Jonesboro, Tenn.
Kelley Hy. C. Co., 35-37-39 Worth, New York
Knox W. & J. Net & Twine Co. (Cotton), Johnson & Barney, Baltimore, Md.
Lees Mfg. Co., Westport, Conn.
Mt. Vernon Woodberry Mills Inc. ("Woodberry"), 506 Continental bldg, Baltimore, Md.
Neptune Twine & Cord Mills, Moodus, Conn.
N. Y. Net & Twine Co. (Cotton), Moodus, Conn.
Ninigret Co., Pawtucket, R. I.
Oxford Cotton Mills (Cotton), Oxford, N. C.
Purple A. E. (Cotton), Moodus, Conn.
Tennessee Line & Twine Co., Elizabethton, Tenn.
Trio Mfg. Co. (Cotton), Forsyth, Ga.
Tubbs Cordage Co., Kohl bldg, San Francisco, Cal.
Unity Cotton Mills, La Grange, Ga.

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Interchangeable Steel Type

When set up they are used like steel stamps. They have made the stamping of small quantity jobs no longer prohibitive. They do away with that heavy steel stamp expense in your stamping department. Soon pay for themselves.



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202½ CENTRE ST., NEW YORK, N. Y.

16206—Twine (Tarred Hemp)

American Mfg. Co., Noble & West, B'rklyn, N. Y.
Columbian Rope Co., 3050 Genesee, Auburn, N. Y.

16207— Twine (Wool)

Gates Paper Twine Co., Pleasantville, N. Y.

16208-9—Twine (Wrapping)

American Mfg. Co., Noble & West, Brooklyn, N. Y.
Bibb Mfg. Co., Macon, Ga.
California Cotton Mills Co. ("BC" & "BB" Cotton), Oakland, Cal.
Carpenter Geo. B. & Co., 434 N Wells, Chicago, Ill.
See adv index at end of book
Columbian Rope Co., 3050 Genessee, Auburn, N. Y.
Double Shoal Cotton Mill (Cotton), Double Shoals, N. C.
Enterprise Cotton Mills (Cotton), Enterprise, Ala.
Hanover Cordage Co., Hanover, Pa.
Kentucky River Mills (Hemp), Frankfort, Ky.
Lees Mfg. Co., Westport, Conn.
Linn Mills Co. (Cotton), Landis, N. C.
Mallison Braided Cord Co., Athens, Ga.
Manchester Mfg. Co. (Cotton), Macon, Ga.
Missouri Cotton Yarn Mfg. Co. (Cotton), 300 Lynch, St. Louis, Mo.
Montgomery Cordage Co. (Cotton), Montgomery, Ala.
Mt. Vernon Woodberry Mills Inc. ("Mt. Vernon"), 506 Continental bldg., Baltimore, Md.
Orange Cotton Mills (Cotton), Orangeburg, S. C.
Plymouth Cordage Co. (Hard Fibre), North Plymouth, Mass.
Schlichter Jute Cordage Co. (Jute), 20 N Front, Phila., Pa.
Townsend H. C. Cotton Mills (Cotton & Balls), Anderson, S. C.
Trio Mfg. Co. (Cotton), Forsyth, Ga.
Tubbs Cordage Co., 200 Bush, San Francisco, Cal.
UNION PAPER & TWINE CO., 128 St. Clair av N W, Cleveland, O., & 533 Brisbane bldg, Buffalo, N. Y.
See adv index at end of book
Werthan Bag Co., 12th & Clinton, Nashville, Tenn.
Westport Mfg. Co., Westport, Mass.
Wortendyke Mfg. Co., ft. 13th, Richmond, Va.
Yocona Mills, Water Valley, Miss.

16210—Type Founders (Lead)

American Type Founders Co., Communipaw av, Jersey City, N. J.
Damon Geo. & Sons, 44 Beekman, New York
Hansen H. C. Type Foundry, 190 Congress, Boston, Mass.
Keystone Type F'dry, 13th & Cherry, Phila., Pa.

16211— Type (Rubber)

Barnhart Bros. & Spindler (Metal), Monroe & Throop, Chicago, Ill.
Century Rubber Stamp Works, 551 Pearl, New York
Consolidated Stamp Mfg. Co. (Solid), 87 Maiden la, New York
Dorman J. F. W Co. ("Perfection"), 526 N Calvert, Baltimore, Md.
Fulton Specialty Co., Elizabeth, N. J.
Gibson A. C. Co., 340 Washington, Buffalo, N. Y.
Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa.
See adv index at end of book
Moss Theo., Inc. ("Themco"), 349 Adams, Brooklyn, N. Y.
Schmutz Mfg. Co., Inc., 17th & Walnut, Louisville, Ky.
Smith R. H. Mfg. Co. (Metal Body), Springfield, Mass.
Superior Type Co., 3940 Ravenswood av, Chicago, Ill.
Swisher R. D. Mfg. Co. (Solid, etc., Also Type for All Can Stamping Machines), 415H S Clinton, Chicago, Ill.

16212— Type (Steel)

Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa.
See adv index at end of book
New York Stencil Works, 100 Nassau, New York
Schmutz Mfg. Co., Inc., 17th & Walnut, Louisville, Ky.
SCHODER & LOMBARD STAMP & DIE CO., 202-204 Centre, New York
See adv index at end of book

16213— Type (Wood)

American Wood Type Co., 362 McDougal, Brooklyn, N. Y.
Empire Wood Type Co., 230 Pearl, New York
Hamilton Mfg. Co., Two Rivers, Wis.

Typewriter Carbon Papers

See Paper, Carbon

16214— Typewriter Parts

Nichols W. H. Waltham, Mass.
Peerless Key Co., 176 Fulton, New York
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*

16215— Typewriter Ribbons

American Multigraph Sales Co., 1832 E 40th, Cleveland, O.
American Ribbon & Carbon Co. ("Eagle"), Rochester, N. Y.
Apter Bros. Mfg. Co., 552 W Harrison, Chicago, Ill.
Ault & Wiborg Co., Cincinnati, O.
Bayer Frank Co. ("Markwell"), 119 Lafayette, New York
Brecher E. A. & Co. ("Unxld," "Sterling," "Merit"), 120 Walker, New York
Buckeye Ribbon & Carbon Co., 1468 E 55th, Cleveland, O.
Carter's Ink Co. ("Ideal"), E Cambridge, Boston, Mass.
Columbia Carbon Co. ("Columbia," "Mineral Wax"), 21 E 4th, Dayton, Ohio
Columbia Ribbon & Carbon Mfg. Co. ("Columbia"), 69 Wooster, New York
Corona Supply Co. ("Corona"), Rochester, N. Y.
Crown Ribbon & Carbon Mfg. Co. ("Crown," "Globe"), Rochester, N. Y.
De-Fi Mfg. Co. ("De-Fi Polychrome"), 150 Nassau, New York
Foyer Chas. A. & Co. ("Foyer"), 1104 Prospect av, Cleveland, O.
Heale J. A. & Co. ("H.-B.," "Crystal," "Rival," "Export"), 96 John, New York
Hunt Jasper Mfg. Co., 25 S Desplaines, Chicago, Ill.
Imperial Mfg. Co., 297 Washington, Newark, N. J.
INK RIBBON MFG. CO. ("Peacock" Silk Typewriter Ribbons), 635 Howard, San Francisco, Cal.
International Carbon Paper Co. ("I. C. P. Co"), 100 Grand, New York
Kee Lox Mfg. Co. ("Kee Lox"), Rochester, N. Y.
Kruse Printing Ink Co., 437 Pearl, New York
Leonard C. R. Co., 424-25 Pioneer bldg, Seattle, Wash.
Little A. P., Rochester, N. Y.
Manifold Supplies Co., 188 3d av, Brooklyn, N. Y.
Miller-Bryant-Pierce Co. ("Carnation," "Diamond," "Elk," "Aurora," "M. B. P."), Aurora, Ill.
Minford Ribbon & Carbon Co., 32 W 20, New York
Mittag & Volger ("Eureka"), Park Ridge, N. J.
Monarch Supply Co. Inc., 390 E Main, Rochester, N. Y.
Neidich Process Co., Burlington, N. J.
Non-Smut Carbon Mfg. Co., Rochester, N. Y.
Old Town Ribbon & Carbon Co., 157 Franklin, New York
Pacific Carbon & Ribbon Co., 1461 Harrison, San Francisco, Cal.
Pelton George E. & Co. ("Peau-de-Soie"), Georgetown, Ky.
Pen-Carbon Manifold Co. ("Cotton King" Mercerized Silk), New Brunswick, N. J.
Phillips Ribbon & Carbon Co. ("Philico"), 17H Elm, Rochester, N. Y.
Republic-Dodge Mfg. Co. ("Du-Ra-Bul"), 188 3d av, Brooklyn, N. Y.
Smith Premier Works, Remington Typewriter Co., Syracuse, N. Y.
Smith S. T. Co., 116 Duane, New York
Snelling & Son, 225 34th, Brooklyn, N. Y.
Stafford S. S., 609 Washington, New York
Stenno Carbon Paper Mfg. Co. ("Stenno"), 740 Sandy blvd, Portland, Ore.
Storms H. M. Co. ("American," "Cameo," "Reliance," "Whitedge"), 53 Park Row, New York
Typeribbon Mfg. Co. ("Van Sen"), 711 S Dearborn, Chicago, Ill.
Underwood J. & Co., 63 Park pl, New York
Union Ribbon & Carbon Co. ("Summit"), 67 Laurel, Phila., Pa.
United States Typewriter Ribbon Mfg. Co. ("U. S."), 10th & Sansom, Philadelphia, Pa.
Vacuo-Static Carbon Co. ("Wearebest"), Rochester, N. Y.
Webster F. S. Co. ("Star"), 340 Congregational, Boston, Mass.

16216— Typewriters

Allen Typewriter Co., 146 N 10th, Allentown, Pa.
American Writing Machine Co., 20 E 23rd, New York
Blickensderfer Mfg. Co., Stamford, Conn.
Corona Typewriter Co. ("Corona"), Groton, N. Y.
Duffield & Co. ("Secor" "Williams"), Derby, Conn.
Fox Typewriter Co., Grand Rapids, Mich.
Galesburg Writing Machine Co. ("Chicago"), Galesburg, Ill.
Hammond Typewriter Co. ("Hammond") Visible, 537 E 69th, New York

(Continued on following page)

Typewriters—Continued

Noiseless Typewriter Co. ("Noiseless"), High, Middletown, Conn.
Oliver Typewriter Co. ("Oliver"), 159 N Dearborn, Chicago, Ill.
Pruitt Co. (Jobbers), 170 N Wells, Chicago, Ill.
Remington Typewriter Co., 374 B'way, New York
Royal Typewriter Co. ("Royal"), 316 B'way, New York. Works: New Park av, Hartford, Conn.
Simplex Typewriter Co., 210 11th av, New York
Smith L. C. & Bros. Typewriter Co., Syracuse, N. Y.
Smith Premier Works, Remington Typewriter Co., Syracuse, N. Y.
Underwood Typewriter Co., 30 Vesey, New York
Victor Typewriter Co., 47 W 42d, New York
Williams Mfg. Co., Ltd., Plattsburg, N. Y.
Woodstock Typewriter Co., 216 W Monroe, Chicago, Ill.
Yost Writing Mach. Co., 321 B'way, New York

16217-18— Typewriters (Adding & Billing)

Ellis Adding Typewriter Co., 233 Elizabeth av, Newark, N. J.
Moon-Hopkins Billing Machine Co. ("Hopkins" Writing, Adding & Indexing Machines), 2235 O'Fallon, St. Louis, Mo.
Underwood Typewriter Co., 30 Vesey, New York

16219—Typewriters (Telegraphic)

American Telegraph Typewriter Co., 251 W 19th, New York
Universal Machine Co., 501 E Preston, Baltimore, Md.

16220—Ultra Violet Rays Producing Apparatus

Bleadon-Dun Co. ("Violetta"), 213 S Peoria, Chicago, Ill.
GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book
HANOVIA CHEMICAL & MFG. CO. ("Alpine Sun" & "Kromayer" Lamps), 100 Chestnut, Newark, N. J.
R. U. V. Co., 165 B'way, New York

16221— Ultramarine Blues

Behrend F., Inc., 170 Front, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Heller & Merz Co., 503 Hudson, New York
International Ultramarine Works, 542 Pearl, New York
Jacob Chas. W. & Allison (Imp), 18 Cedar, New York
Standard Ultramarine Co. (also Laundry), Huntington, W. Va.
Tweedy Co. (Mfrs. Agents), 456 Montgomery, San Francisco, Cal.
Ultramarine Co. (Domestic), 38 Park Row, New York
Waldo E. M. & F. (Selling Agents; also Laundry), 11 B'way, New York.

16222—Umber (Burnt & Raw)

Chrystal Chas. B. Co., Inc., 13 Cliff, New York. *See adv index at end of book*
FERGUSSON ALEX. C., JR., 474 Chestnut, Phila., Pa. *See adv index at end of book*
General Commercial Co., Ltd., of U. S. (Imp.), 90 W B'way, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Heller & Merz Co., 505 Hudson, New York
Reichard Coulston Inc. (Imp.), 95 Madison av, New York
Smith J. Lee & Co. (Imp., Raw & Burnt), 19 Jacob, New York
Wagner Chas. A. Co. Inc., 810 Noble, Phila., Pa.
Waldo E. M. & F., 11 B'way, New York
WILLIAMS C. K. & CO. (Raw or Burnt), Easton, Pa.
See adv index at end of book

16223— Umbrella Mfrs.

Altshuler Bros., 345 4th av, New York
Bamberger Herman Co., 377 B'way, New York
Bauer Bros. Mfg. Co. (Wagon Sunshades), Richmond & Carr, Cincinnati, O.
Detroit Brass & Malleable Wks., 1177H Holden, Detroit, Mich.
Dougherty Bros. Tent & Awning Co. (Wagon), 116 S 4th, St. Louis, Mo.
Eckam Arthur G., Rochester, N. Y.
Elkus Co., 729 Mission, San Francisco, Cal.
Excelsior Umbrella Mfg. Co., 119 Summer, Boston, Mass.
Finver Bros. & Co., 126 5th av, New York
Follmer, Clogg & Co., 295 5th av, New York, & Lancaster, Pa.
Gans Bros., 100 S Hanover, Baltimore, Md.
Henryson I. P. & Co., 20 W 20th, New York
Huff John P., Troy, N. Y.
Hull Bros. Umbrella Co., Toledo, O.
Hulse Bros. & Daniel Co., 1181 Broadway, New York
Kreis & Hubbard, 320 S Franklin, Chicago,
Kronmiller Geo. & Son, 139 N Gay, Baltimore, Md.
Kuhn E. C., 8 W 4th, Cincinnati, O.
Lazarus J. & Co., 74 Franklin, New York
Lemmers Umbrella Co., The Arcade, Cleveland, O.
Miller Bros. & Co., 894 B'way, New York
Moulton Wireless Umbrella Co., Wilmington, O.
National Umbrella Co., 1372 W 6th, Cleveland, O.
Patton R. J. & Co. (Wagon), 222 E 4th, Cincinnati, O.
Polan, Katz & Co., 2 Market pl, Baltimore, Md.
Rainshine Umbrella Co., 715 Main, Kansas City, Mo.
Rich Wm. H., Jr., 164 5th av, New York
Rose Bros. & Co., Lancaster, Pa.
Shaler Umbrella Co., Waupun, Wis.
Siegel, Rothschild & Co., Howard & Baltimore, Baltimore, Md.
Stokley Jas. & Co., 728 Cherry, Phila., Pa.
Stoopack & Garbat, 64 W 14th, New York
Troy Sunshade Co., Troy, O.
Ware Arthur W. & Co., 12 E 18th, New York
Western Umbrella Co., Omaha, Nebr.
Wolfson Bros. Umbrella Co. ("Weather-King," "Weather Queen"), 935 B'way, New York

16224—Umbrella Parts (Steel)

Fretz, Gross & Co. ("Foldwell"), 22nd & Sedgley av, Phila., Pa.
Newark Rivet Works, 262 Lafayette, Newark, N. J.
Townsend Co. (Tips), New Brighton, Pa.
See adv index at end of book

16224a— Umbrellas (Folding)

Follmer, Clogg & Co., 295 5th av, New York
Gans Bros, 100 S Hanover, Baltimore, Md.

16225—Umbrellas (Wagon, Truck & Advertising)

Perfection Mfg. Co., 2701 N Leffingwell av, St. Louis, Mo.
Textile Product Mfg. Co., 1332 Dolman, St. Louis, Mo.
Troy Carriage Sun Shade Co., Troy, O.
Troy Sunshade Co., Troy, O.

16226—Underframes (Steel Car)

American Bridge Co., 30 Church, New York
Bettendorf Co. (For Freight Cars, Bettendorf, Ia.
Chicago Steel Car Co., Harvey, Ill.
Commonwealth Steel Co., Pierce bldg, St. Louis, Mo.
Greenville Steel Car Co., Greenville, Pa.
Hamilton Wm. Sons Car Co., Newark, O.
Illinois Car & Mfg. Co. (Freight Car), Hammond, Ind.
Lincoln Steel & Forge Co., 5701 Natural Bridge av, St. Louis, Mo.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Ralston Steel Car Co. (For All Kinds of Freight & Passenger Cars), Columbus, O.
Virginia Bridge & Iron Co., Roanoke, Va.
Western Steel Car & Foundry Co., Farmers Bank bldg, Pittsburgh, Pa.

16227—Uniforms (Baseball & Athletic)

Cullum & Boren Co., Dallas, Texas
Dudley Chas. H., Hanover, N. H.
Rawlings Mfg. Co., 23d & Lucas av, St. Louis, Mo.
Spalding A. G. & Bros., 126 Nassau, New York
Stall & Dean Mfg. Co., Brockton, Mass.
Sunset Knitting Co. (Knit Goods), 1212 Market, San Francisco, Cal.
Surgical & Athletic Wear Mfg. Co., 85 Springfield av, Newark, N. J.
Wheeler Mfg. Co., 2141 Milvia, Berkeley, Cal.
Wilson Thos. E. & Co., 727 N Sangamon, Chicago, Ill.

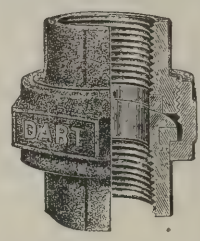
16228—Uniforms (Employees')

Greenwood-Atkinson-Armstrong Co., 423 Woodword, Detroit, Mich.
Lilley M. C. & Co., Sixth & Long, Columbus, O.
Newcomb F. H., 136 Flatbush av, Brooklyn, N. Y.
Orr C. F. & Co., 209 S State, Chicago, Ill.
Pettibone Bros. Mfg. Co., 626 Main, Cincinnati, O.
Singer A. L. & Co., 230 S Franklin, Chicago, Ill.
Wendell, Fay & Co., 25 Madison av, New York

16229— Unions

ACHESON MFG. CO. (Barge), Rankin, Pa.
See adv index at end of book
American Block & Mfg. Co. ("Welco"), Warren, Ohio
Athol Pump Co. (1¼ & 1½ in. for Wrought Iron & Lead Pipe), Athol, Mass.
Atkinson Co. (Brass, also Ground Joint Soldering), Rochester, N. Y.
Atlas Valve Co. (Bronze Ground Joint, Steam & Water Pipe), 282 South, Newark, N. J.
Bard Union Co. (Inc.), ("Bard"), Norwich, Conn.
Belfield H. Co. (Brass), 435 N Broad, Phila., Pa.
Bridgeport Brass Co. (Brass Pipe), Dept H, Bridgeport, Conn.
Central Forging Co., Catawissa, Pa.
Chandler Boyd Supply Co. ("Corley" Dlrs.), 47 Terminal Way, Pittsburgh, Pa.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
CRANE CO., 836 S Michigan av, Chicago, Ill. *See adv index at end of book*
Crawford & Tyler, North Dana, Mass.
Crozier R. J. Co. (Dlrs.), 10H S 18th, Phila., Pa.
Darling Valve & Mfg. Co. ("Darling"), ft. of Walnut, Williamsport, Pa.
Dart E. M. Mfg. Co., 134 Thurbers av, Providence, R. I.
See adv index at end of book

DART UNIONS



HAVE
2 Bronze Seats 2
Malleable Iron Pipe Ends and Nut.
A free sample will demonstrate its merits.
E.M. Dart Mfg. Co.
PROV., R. I.

Detroit Brass & Malleable Works, 1177H Holden, Detroit, Mich.
Devlin Thos. Mfg. Co. ("National"), 3rd & Lehigh av, Phila., Pa.
Eastwood Wire Mfg. Co. (Bronze, End Flanged, etc.), Belleville, N. J.
Edward Valve & Mfg. Co. ("Edward" Cast Iron & Forged Steel), East Chicago, Ind.
Eureka Brass Works ("Eureka" Brass), 1040 Hulbert av, Cincinnati, O.
Exeter Brass Works (Brass), Exeter, N. H.
Fairbanks Co., 416 Broome, New York
Flagg, Stanley G. & Co. ("Keystone," Soft Metal Seat), 1421 Chestnut, Philadelphia, Pa.
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
Haines, Jones & Cadbury Co. ("Hajoca"), 1136 Ridge av, Phila., Pa.
Hamlin & Emery Brass Co. (Brass), 49 Island, Boston, Mass.
Hampden Brass Co. (All Brass), 262 Liberty, Springfield, Mass.
Hancock Mfg. Co., Charlotte, Mich.
HAYS MFG. CO. (Brass), Erie, Pa.
See adv index at end of book
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Jarecki Mfg. Co., Erie, Pa.
Jefferson Union Co. ("Jefferson," for High & Low Pressure), Lexington, Mass.
KELLY & JONES CO., THE ("Nornstocta," "Penn.," "Octa Penn.," "Octa Penn. X," "Nip" Malleable Iron & Brass), Greensburg, Pa.
See adv index at end of book

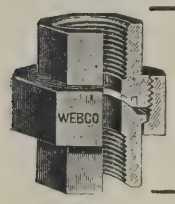
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For 150, 200, 250 and 300 lbs. working pressure.
Write for Circular
THE KELLY & JONES CO.
GREENSBURG, PA.

Kemp C. M. Mfg. Co., 405 E Oliver, Baltimore, Md.
Larkin J. K. & Co. (Ball Joint), 353 Broadway, New York
See adv index at end of book

Lawrenceville Bronze Co. ("Zelco" Tuyere), Bessemer bldg, Pittsburgh, Pa.
LUNKENHEIMER CO. Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
See adv index at end of book
McCambridge Co., 315 N 20th, Phila., Pa
McMANN & TAYLOR CO. ("Mantaco"), 104 John, New York
See adv index at end of book
McNab & Harlin Mfg. Co., Paterson, N. J.
Malleable Iron Fittings Co. ("M. I. F. Co.") (Malleable), Branford, Conn.
Manning, Maxwell & Moore, Inc., 100 E 42nd, New York
See adv index at end of book
Mark Mfg. Co. ("Mark" Cold Drawn Steel), Evanston, Ill.
Nason Mfg. Co. ("Nason" Valve), 71 Fulton, New York
See adv index at end of book
National Brass Mfg. Co. (Brass), Rochester, N. Y.
Newbury Mfg. Co. (Grey Iron), Monroe, N. Y.
New York Brass Foundry Co. ("Stillbech" Extra Heavy), 403 Broome, New York
Pancoast Henry B. Co. ("American"), 950 N Front, Phila., Pa.
Pittsburgh Brass Mfg. Co. (Brass, Extra Heavy), Penn & 32d, Pittsburgh, Pa.
Pittsburgh Piping & Equipment Co. (Brass, Straight & Universal), 35th & Charlotte, Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Powell Wm. Co. (Brass), 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Rex-Harris Fire Appliance Co. (Brass), 310 W 39th, New York
Richardson, Edro Brass Co. (Brass), 318 N Holliday, Baltimore, Md.
Rockwood Sprinkler Co. ("Rockwood" Pressed Steel, Two Bronze Seats, Two Monel Seats), Worcester, Mass.
Sholes, Inc., 186 Lafayette, New York
Standard Union Co., 7 Water, Boston, Mass.
Stockham Pipe & Fitting Co. (Flange, Cast Iron & Semi-Steel), Birmingham, Ala.
Stoddard Union Co., Warren, O.
Walworth Mfg. Co., 82H Pearl ("Walco," "Kewanee"), Boston, Mass.
Warren Tool & Forge Co. ("Webco" Ground Joint), 145 Griswold, Warren, Ohio *See adv index at end of book*



Ground Joint PIPE UNIONS The Warren Tool & Forge Co.
145 Griswold St. Warren, Ohio, U. S. A.

Williams D. T. Valve Co., Cincinnati, O.
Williams Franklin, Inc. ("Tuxedo," Bronze), 37 Cortlandt, New York
Youngstown Sheet & Tube Co. (The) (Pipe, Forged Steel), Youngstown, Ohio

16229a—Unions (All Brass)

ACHESON MFG. CO., Rankin, Pa.
See adv index at end of book
HAYS MFG. Co., Erie, Pa.
See adv index at end of book
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
LUNKENHEIMER CO. (Executive Offices & Factories), Beekman & Waverly, Cincinnati, O.
See adv index at end of book
McMann & Taylor Co., 104 John, New York
See adv index at end of book
Walworth Mfg. Co., 82H Pearl ("Walco," "Kewanee"), Boston, Mass.

16229b—Unions (Ball Joint)

Kelly & Jones Co., The, Greensburg, Pa.
See adv index at end of book

16230—Unions (Brass, Brazing & Flared Tubing)

Bridgeport Brass Co., Bridgeport, Conn.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
See adv index at end of book
Michigan Lubricator Co., 3643 Beaubien, Detroit, Mich.
Peru Brass & Mfg. Co., Peru, Ind.

16231— Unions (Flange)

ACHESON MFG. CO. (Brass), Rankin, Pa.
See adv index at end of book
American Block & Mfg. Co. ("Welco"), Warren, Ohio
American Fdry. & Mfg. Co., 11th & Herbert, St. Louis, Mo.
Bard Union Co. ("Bard"), Norwich, Conn.
Bethlehem Shipbuilding Corporation Ltd. (Pipe), Bethlehem, Pa.
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Darling Valve & Mfg. Co., Williamsport, Pa.
DART E. M. MFG. CO. ("Dart"), 134 Thurbers av, Providence, R. I.
Detroit Brass & Malleable Works (Cast Iron), 1117 Holden, Detroit, Mich.
Edward Valve & Mfg. Co. (& Steel Box), East Chicago, Ind.
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
Haines, Jones & Cadbury Co. ("Hajoca"), 1136 Ridge av, Phila., Pa.
Hoffmann B. Mfg. Co. (Cast Iron), 257 6th, Milwaukee, Wis.
ILLINOIS MALLEABLE IRON CO., 1801 Diversey blvd, Chicago, Ill.
See adv index at end of book
Jarecki Mfg. Co., Erie, Pa.
Jefferson Union Co. ("Jefferson" Malleable Iron, Bronze or Brass Seat), Lexington, Mass.
Kane Supply Co. (Extra Heavy), Kane, Pa.
Kelly & Jones Co. The (Cast Iron, Malleable Iron, Cast Steel, Brass), Greensburg, Pa. *See adv index at end of book*

FLANGE UNIONS
BRASS TO IRON SEAT
Can be furnished in cast iron or malleable in Standard Extra Heavy or Oil Country Patterns.

THE KELLY & JONES CO.
GREENSBURG, PA.

Kokomo Brass Works (Steam Metal), Kokomo, Ind.
McMann & Taylor Co., 104 John, New York
See adv index at end of book
McNab & Harlin Mfg. Co., Paterson, N. J.
Metalwood Mfg. Co., Lieb & Wight, Detroit, Mich.
Newbury J. H., Goshen, N. Y.
Pittsburgh Valve, Foundry & Construction Co., 26th & A V R. R., Pittsburgh, Pa.
Powell Wm. Co. (Brass), Cincinnati, O.
See adv index at end of book
Walworth Mfg. Co. ("Kewanee," "National"), 82 Pearl, Boston, Mass.
Zurn J. A. Mfg. Co., Dept. H, Erie, Pa.

16231a—Unions (Malleable & Brass & Iron)

ILLINOIS MALLEABLE IRON CO. ("Nokoros" & "C. D." Railroad), 1801 Diversey blvd, Chicago, Ill.
See adv index at end of book

16232—Unions & Nipples (Soldering)

American Brass & Copper Co., 188 Lafayette, New York
American Fdry. & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Atkinson Co., Rochester, N. Y.
Buckeye Iron & Brass Works, Dayton, O.
Burlington Brass Works, Burlington, Wis.
Cleveland Brass Mfg. Co. (Brass), 4606 Hamilton, Cleveland, O.
DuBois F. M. & Co., 247 9th av, New York
Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, O.
Haines, Jones & Cadbury Co. ("Hajoca"), 1136 Ridge av, Phila., Pa.
Hays Mfg. Co., Erie, Pa.
See adv index at end of book
Jefferson Union Co. ("Jefferson"), Lexington, Mass.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Kokomo Brass Works, Kokomo, Ind.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
See adv index at end of book
McNab & Harlin Mfg. Co., Paterson, N. J.
McShane Bell Foundry Co., Harford av & B & O R R, Baltimore, Md.
Mueller H. Mfg. Co., Decatur, Ill.
See adv index at end of book
Prier Brass Mfg. Co., 15th & Blue River, Kansas City, Mo.
Savill's Thos Sons, 1310 Wallace, Philadelphia, Pa.
Schlueter M. L. (Caterpillar), 225 W. Illinois, Chicago, Ill.
Springfield Brass Co., Springfield, O.
Union Brass & Metal Mfg Co, Lawson & Mackubin, St. Paul, Minn.
Union Water Meter Co. (Combination Soldering Nipple), Worcester, Mass.
United Lead Co. (Lead & Iron), 111 Broadway, New York
Williams D. T. Valve Co., Cincinnati, O.
Wolverine Brass Works, Grand Rapids, Mich.

16232a— Units (Truck)

Ames F. A. Co. ("Amesbilt"), Owensboro, Ky.
Bessemer Motor Truck Co., Grove City, Pa.
Dearborn Truck Co. ("Dearborn"), 1301 S Cicero av, Cicero, Ill.
Detroit Truck Co. ("Tonford"), 816 2nd, Detroit, Mich.
F. A. B. Mfg. Co., 1856 7th, Oakland, Cal.
Frazier W. S. & Co. (Cabs), Dept. H, Aurora, Ill.
Hamilton Wm. Sons Car Co. ("Jewett"), Newark, O.
Hayes-Diefenderfer Co. ("Xtend-a-Ford"), 410 W 52d, New York
Horizontal Hydraulic Hoist Co. (Dumping), 608 Gratiot, Detroit, Mich.
Iowa Motor Co. ("Iowa"), Ottumwa, Ia.
Knox Motors Co. ("Knox"), Springfield, Mass.
Longford Co. of America, Cambridge, Mass.
Maxfer Truck & Tractor Co. ("Maxfer"), Harvey, Ill.
Robinson Machine Co. ("Truckford"), 584 Franklin, Detroit, Mich.
Rothweiler Truck Co. ("Rothweiler"), Seattle, Wash.
Rowe Mfg. Co. ("Rowe" Extension Frames), 33 Dolores, San Francisco, Cal.
Stewart Mfg. Co. ("Uni-Truck"), Waterloo, Ia.
Swedish Crucible Steel Co. ("Olson"), Butler & Grand Trunk RR, Detroit, Mich.
Woodward Truck Attachment Co. ("Woodward"), Los Angeles, Cal.

16233— Unloaders (Coal Car)

Acme Road Machinery Co., Frankfort, N. Y.
ALVEY FERGUSON CO., 70 North av, Oakley, Cincinnati, O.
Columbus Conveyor Co., W. Goodale, Columbus, O.
Edward Valve & Mfg. Co. ("Edward" Stop & Check), East Chicago, Ind.
Galion Iron Wks. Mfg. Co., Dept. H, Galion, Ohio
Lee Trailer & Body Co., 2343 S La Salle, Chicago, Ill.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.
Protected Seat Valve Co., 707 Peoples Bank bldg., Pittsburgh, Pa.
Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.

16234—Unloaders (Hay, Grain & Fodder)

Myers & Bro. Co., F. E. ("Myers," "Cloverleaf," "Imperial," "Hay Maker," "O. K.," "Sure Grip," "Sure Lock"), 950 Orange, Ashland, Ohio
See adv index at end of book

Unloaders (Portable)

See Conveyors, Portable

16235— Unloaders (Sling)

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Myers F. E. & Bro. Co. ("Myers" Sure Grip Cross Draft "Clover Leaf," "Faultless," Triple Hoist Right Angle Elevator & "Sure-Grip" 2-Fork Unloader, Unloaders), 950 Orange, Ashland, Ohio
See adv index at end of book

16236— Unloaders (Stone)

Acme Road Machinery Co., Frankport, N. Y.
Byers Machine Co. The, 242 Sycamore, Ravenna, O. *See adv index at end of book*
Galion Iron Works & Mfg. Co. ("Eclipse" Portable), Galion, O.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
Sunbury Mfg. Co., Dept. H, Sunbury, O.

16237—Unloaders (Sugar Cane Car)

Chain Belt Co., Milwaukee, Wis.
See adv index at end of book
Fulton Iron Works Co., 1259 Delaware av, St. Louis, Mo.
Honolulu Iron Works Co., 233 Broadway, N. Y.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Ruggles Horace F., 80 South, New York

16238— Unloaders (Timber)

Byers Machine Co. The, 242 Sycamore, Ravenna, O. *See adv index at end of book*
Soule Steam Feed Works, Meridian, Miss.

16239— Unloaders (Vessel)

Brown Hoisting Machinery Co., The, 4403 St. Clair N E, Cleveland, Ohio
See adv index at end of book

(Continued on following page)

Unloaders (Vessel)—Continued

LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.
Specialty Engineering Co., Trenton & Allegheny avs, Phila., Pa.
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, Ohio

16239a— Upholstery

Chase L. C. & Co. ("Chase Leatherwove" & "Chase Velmo" Furniture & Motor Car), 89 Franklin, Boston, Mass.
DU PONT E. I. DE NEMOURS & CO., INC., Fabrikoid Div. ("Fabrikoid," See Adv. at Leather Artificial), Newburgh, N. Y.
See adv index at end of book

16239b—Upholstery Materials

Atlas Waste Mfg. Co., 515 Johnson av, Brooklyn, N. Y.
California Cotton Mills (Automobile Padding), Kennedy & Railroad av, Oakland, Cal.
DU PONT E. I. DE NEMOURS & CO., INC., Fabrikoid Div. ("Fabrikoid," "Pontop," See Adv. at Leather Artificial), Newburgh, N. Y.
See adv index at end of book
Greeno C L., 325 Main, Cincinnati, Ohio
Hoenigsberger A. ("Conservatory" Velours), 16 S Market, Chicago, Ill.
Lussky White & Coolidge (Dirs.), 69 W Lake, Chicago, Ill.
O'Bannon Co., 200 Fifth av, New York

16240— Upsetters (Tire)

See also Shrinkers, Tire & Axle

Buffalo Forge Co. ("Buffalo"), 490 Broadway, Buffalo, N. Y.
Butts & Ordway Co. ("B. & O." "Shur Grip"), 33 Purchase, Boston, Mass.
Champion Blower & Forge Co. ("Star"), Lancaster, Pa.
Fulton Iron Works, 39 Franklin, Detroit, Mich.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Kane & Roach ("K. & R."), Syracuse, N.Y.
Luther Mfg. Co. ("Black Giant," Upset Punch & Shear Combined), Olean, N. Y.
Munnsville Plow Co. ("Punch"), Munnsville, N. Y.
Rockford Mfg. Co. ("Rockford"), Rockford, Ill.

16241— Uranium

Carolina Mineral Co., Penland, N. C.
Foote Mineral Co., 109 N 19th, Phila, Pa.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Radium Luminous Matl. Corp., 30 Church, New York
Standard Chemical Co., Vanadium bldg, Pittsburgh, Pa.

16241a— Uranium Chloride

Cooper Chas & Co., 194 Worth, New York

16241b— Uranium Nitrate

Dissosway Chemical Co. Inc. (Free from Sodium), 55-63 Eckford, Brooklyn, N. Y.
Foote Mineral Co., 109 N. 19th, Phila., Pa.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

16242— Uranium Oxide

Drakenfeld B. F. & Co. (Yellow, Orange Black, Sales Agts., Exp.), 50 Murray, New York
Foote Mineral Co., 109 N. 19th, Phila., Pa.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book

16242a— Uranium (Salts of)

Foote Mineral Co., 109 N 19th, Philadelphia, Pa.
Standard Chemical Co., Vanadium bldg., Pittsburgh, Pa.

16242b— Uranium Sulphate

Cooper, Chas. & Co., 194 Worth, New York

16242c— Urea

American Cyanamid Co., 511 5th, New York
C. P. Chemical & Drug Co., Inc., 114-118 Liberty, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

16243— Urinal Stalls

C. P. Chemical & Drug Co. Inc., 114-118 Liberty, New York
See adv index at end of book
CRANE CO. ("Utilas," "Vortex," "Expedia," "Correcto," "Santo," "U. S.," "Sypho"), 836 Michigan av, Chicago, Ill. *See adv index at end of book*
Ebinger D. A. Sanitary Mfg. Co. ("Ebinger," "Ebco"), 181 Lucas, Columbus, Ohio
Edwardsville Brass Co. (Trimmings), Edwardsville, Ill.
Fords Porcelain Works, Perth Amboy, N. J.
General Ceramics Co. ("Phoenix" Porcelain), 50 Church, New York
Maddocks Thomas Sons Co. ("Madstone"), Ewing & Perry, Trenton, N. J.
Monument Pottery Co. (Porcelain), Trenton, N. J.
Mott J. L. Iron Works ("Imperial," Porcelain), Trenton, N. J.
Nason Mfg. Co., 71 Fulton, New York
See adv index at end of book
Pacific Sanitary Mfg. Co., 67 New Montgomery, San Francisco, Cal.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Trenton Potteries Co., Trenton, N. J.
Wallis, Owen & Stambach Co. (Soapstone), 11th & Ridge, Philadelphia, Pa.
Washington Iron Works ("Washington"), 1141 Mateo, Los Angeles, Cal.
Wheeling Sanitary Mfg. Co. ("Duplex"), Wheeling, W. Virginia

16244— Urinals (Public)

Alberene Stone Co., 153 W 23d, New York
American Foundry & Furnace Co., Bloomington, Ill.
Central Foundry Co. (Cast Iron), 41 E 42nd, New York
Clow Jas. B. & Sons, 534 S Franklin, Chicago, Ill.
Crane Co. (Porcelain), 836 S Michigan av, **Chicago, Ill.** *See adv index at end of book*
Imperial Brass Mfg. Co. ("Watrous," "Duojet"), 1200 W Harrison, Chicago, Ill.
Pacific Sanitary Mfg. Co., 67 New Montgomery, San Francisco, Cal.
Sanitas Mfg. Co. ("Terminal," "Revere"), 105 Washington, Boston, Mass.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Washington Iron Works ("Washington"), 1141 Mateo, Los Angeles, Cal.
West Coast Porcelain Mfrs. ("West Coast"), Millbrae, Cal.

16245— Urinometers

Elmer & Amend, 205 E 18th, New York
Tagliabue Chas. J. Mfg. Co., 18 33rd, Brooklyn, N. Y.
Taylor Instrument Co., 95 Ames, Rochester, N. Y.

16246—Urns (Tea & Coffee)

Aldrich Mfg. Co., 57 Illinois, Buffalo, N. Y.
American Metal Ware Co., 368 W. Huron, Chicago, Ill.
Arine Carl H. Mfg. Co., 1348-52 DeKalb av, Brooklyn, N. Y.
Arwe Mfg. Co., Carl H. (Coffee), 1348 De Kalb av, Brooklyn, N. Y.
Barth L. & Son (Dirs.), H. Cooper Sq., New York
Berle Mfg. Co. (Coffee), 503 Kahl bldg, Davenport, Ia.
Blickman Isidor (Coffee), 299 Broadway, New York
Blickman S. (Copper), Manley & Mount, Long Island City, N. Y.
Bornstein J. & Sons, Inc., 562 1st av S, Seattle, Wash.
Bramhall-Deane Co. ("Superior"), 261 W 36th, New York
Bucyrus Copper Kettle Works Co. (The), Bucyrus, O. *See adv index at end of book*
Buffalo Mach. Mfg. Co., 1354 West av, Buffalo, N. Y.
Buzzini Walter J., 505 W 21st, New York Pa.
Consolidated Mfg. Co., Dayton, O.
Duparquet, Huot & Moneuse Co., 110 W 22d, New York
Foster Engineering Co., 109 Monroe, Newark, N. J.
Hutchinson Bros., 5 S Howard, Baltimore, Md.
Ingle Mfg. Co., 643-49 G, San Diego, Cal.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
International Silver Co., Meriden, Conn.
Janous Kramer Range Co. (Coffee), 640 W Randolph, Chicago, Ill.
Joesting & Schilling Co., 379 Sibley, St. Paul, Minn.
Knox Products Co. (Coffee), Imperial Powder bldg, Pittsburgh, Pa.
Koehler & Hinrichs, St. Paul, Minn.
Kreamer A., Inc., 307 Kent av, Brooklyn, N. Y.
Kronman E., 211 W 19th, New York
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Landers, Frary & Clark ("Universal"), New Britain, Conn.
Mangrum & Otter Inc., 827 Mission, San Francisco, Cal.
Manley & Mount, Long Island City, N. Y.
Manning, Bowman & Co., Meriden, Conn.
Miller A. G., 108 Centre, New York
Prometheus Electric Co., The (Coffee), 511 W 42nd, New York
Pick Albert & Co. (Also Hot Water Urns), 212 W Randolph, Chicago, Ill.
Popple & Knowles Co., 1019 Post, Seattle, Wash.
Ray Geo. A. Mfg. Co. (Also Hot Water Urns, All Copper, Nickel Plated, etc), 1495 Niagara, Buffalo, N. Y.
Ricketts & Bartlett Range Co., 25 W Illinois, Chicago, Ill.
Sexton S. B. Stove & Mfg. Co., 500 W Conway, Baltimore, Md.
Silver & Co., 304 Hewes, Brooklyn, N. Y.
Strater Herman & Sons, 74 Sudbury, Boston, Mass.
Topper T. J. Co., 1087 Mission, San Francisco, Cal.
Watkins Jas. Y. & Son, 20 Catharine, New York
Williams & Poore, 22 Medford, Boston, Mass.

16247—Urns & Vases (Terra Cotta)

Clark N. & Sons, 116 Natoma, San Francisco, Cal.

16248—Vacuum Cleaners (Portable Household Type)

Airway Electric Appliance Corp. ("Airway," Electric), 618 B'way, Toledo, O.
Apex Electrical Mfg. Co. ("Apex," Electric), 1067 E 152nd, Cleveland, Ohio
Beach-Russ Co., 38 Church, New York
See adv index at end of book
Birtman Electric Co. ("Bee-Vac" Electric), Lake & Desplaines, Chicago, Ill.
Bissel F. Co. ("Bissell" Electric), Toledo, O.
Braun Electric Mfg. Co. (Portable), Dover, O.
Buckeye Brass & Mfg. Co., 6410 Hawthorne, Cleveland, O.
Clements Mfg. Co. ("Cadillac," "Reliable," "Little Ben," "Big Ben" Electric), 609 Fulton, Chicago, Ill.
Cleveland Specialty & Mfg. Co., Cleveland, O.
Domestic Vacuum Cleaner Co. ("Domestic" Hand & Electric), Torrington, Conn.
Doty Mfg. Co., Dayton, O.
Duntley Pneumatic Sweeper Co., 412-414 S. Market, Chicago, Ill.
Edison Electric Appliance Co., Inc. (Hotpoint Div.), 5600 W. Taylor, Chicago, Ill.
Electric Vacuum Cleaner Co. ("Frantz Premier," "Premier Duplex"), Ivanhoe rd, Cleveland, Ohio
Elite Vacuum Cleaner Mfg. Co. ("Elite"), Kesner bldg, Chicago, Ill.
Elliott Electric Co., 813 Superior av, Cleveland, O.
Eureka Vacuum Cleaner Co. ("Eureka"), Dewey & Greenwood, Detroit, Mich.
Everybody's Vacuum Cleaner Co., 80 5th av, New York
FEDERAL ELECTRIC CO. ("Federal"), 8702 S State, Chicago, Ill.
See adv index at end of book
Geier P. A. Co. ("Royal" Electric), Cleveland, O.
Glidden, Wilmot & Son (Power), Oak Park, Ill.
Hamilton Beach Mfg. Co. ("Hamilton Beach"), Racine, Wis.
Hanlon & Wilson ("Vak-Klean"), Wilkinsburg, Pa.
Hoover Suction Sweeper Co., North Canton, O.
Houston Mfg. Co. (Stationary Power), Rockford, Ill.
Hurley Machine Co. ("5" & "12" Electric), 29 S Clinton, Cicero, Ill.
Ira Lee Suction Cleaner Corp. ("Ira Lee," Electric), Royal Oak, Mich.
Jeffrey Hydro Mfg. Co., 324 Columbus bldg, Cleveland, O.
Jewel Vacuum Cleaner Co. ("Jewel," "Quaker," Electric), 226 N Jefferson, Chicago, Ill.
Lazarus Mfg. Co., 750 Prospect av, Cleveland, O.
Leasure Vacuum Cleaner Co. (Hand), Bradford, Pa.
Lima Cleaning Machine Co. (Power), Lima, O.
Morrow Co., Waukegan, Ill.
National Sweeper Division of the Torrington Co. ("Torrington," "Electric" & Hand Power), Torrington, Conn.
Ohio Co., 145 W 45th, New York
Pease F. B. Co. (Water Power), Rochester, N. Y.
Peoria Can Co. ("Hoosier" Hand Power), Peoria, Ill.
Pneuvac Co. ("Sweeper-Vac" Electric Motor Driven Brush), 164 Fremont, Worcester, Mass.
Racine Electric Co., Racine, Wis.
Ramey Co. ("Duplex," "Simplex"), Chillicothe, O.
Ramey Mfg. Co. ("Rayvac," Electric), Columbus, Ohio
Regina Co. ("Regina," Pneumatic), 103 E 125th, New York

SANTO VACUUM CLEANER CO. ("Santo" Power), 1304 Diamond, Philadelphia, Pa.
Scott & Fetzer Co. ("Vacuette"), W 114th & Locust av, Cleveland, Ohio
Shannon Lafe Co., Waterloo, Ia.
Standard Mfg. Co. ("Wands"), **Syracuse, N. Y.**
Sterling Machine & Stamping Co. ("Thunderbolt"), **Wellington, Ohio**
TORRINGTON CO. (THE), Excelsior Plant (Electric), Torrington, Conn.; also 9-11 E 37th, New York
See adv index at end of book

The Torrington ELECTRIC CLEANER

Cleans rugs and carpets thoroughly. Powerful suction from an electric fan combined with a real sweeper brush rotating in the nozzle, gets every bit of fine imbedded dirt. 32-110-220 volt General Electric Motors.

THE TORRINGTON CO.

Cleaner Division

TORRINGTON, CONN.

Universal Electric Co. (Hand), 63 Elizabeth, Detroit, Mich.
Vital Mfg. Co. ("Vital"), 7500 Quincy av, Cleveland, O.
Warner Co. ("E-Z"), **Muncie, Ind.**
Western Elec. Co. ("Western Electric"), 463H West, New York
Winans Machine Co., Binghamton, N. Y.
Wise-McClung Mfg. Co. ("America," "Sunshine" Electric), New Phila., O.
Wright M. S. Co. (Electric, with Brush), 164 Fremont, Worcester, Mass.

16248a—Vacuum Cleaners (Stationary & Heavy Duty Portable Type)

ALLEN & BILLMYRE CO., INC. ("Tabco" & "Richmond"), Grand Central Palace, New York
See adv index at end of book

TABCO

VACUUM CLEANERS

of Rotary and Centrifugal Types

½ to 50 h. p. stationary machines for all buildings, from residences to largest hotels, etc.

Also heavy duty portable machines

ALLEN & BILLMYRE CO., Inc.

Engineers—Manufacturers

Grand Central Palace New York

American Radiator Co. ("Arco Wand" Stationary & Truck), 816 Michigan av, Chicago, Ill.
Atwood-Stewart Vacuum Machine Co. ("Atwood," Hand & Power, Stationary & Portable), 4527 Ravenswood av, Chicago
Eclipse Machine Co., Sidney, Ohio
General Compressed Air & Vacuum Machinery Co. (Portable & Stationary, Electric & Belt Driven Railroad Car Cleaners, etc.), St. Louis, Mo.
Invincible Vacuum Cleaner Mfg. Co. (Stationary), Dover, Ohio
Kent Vacuum Cleaner Co. ("Kent" Stationary & "Vacuna" Portable Power), 571 Dominick, Rome, N. Y.
Landers, Frary & Clark ("Connersville" Truck & Stationary) (United Vacuum Appliance Div.), Connersville, Ind.
Spencer Turbine Co. ("Spencer"), 484 New Park av, Hartford, Conn.
Sturtevant B. F. Co. ("Sturtevant," Electric Power), 15 Damon, Hyde Park, Boston, Mass.
Thurman Vacuum Cleaner Co. (Portable & Stationary, Electric & Gasoline, for Home & Railroad), H Pontiac bldg, St. Louis, Mo.
United Electric Co. ("Tuec" Stationary, "Ohio Tuec" Portable), **Canton, O.**

16249—Vacuum Drying & Impregnating Apparatus

See also Dryers, Vacuum

Allen & Billmyre Co., Inc., Grand Central Palace, New York
See adv index at end of book
BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Devine J. P. Co. ("Emil Passburg"), 1372 Clinton, Buffalo, N. Y.
Hubbard's Norman Sons, 603 Dean, Brooklyn, N. Y.
Scott Ernest & Co. ("Scott"), **Fall River, Mass.**
Sowers Mfg. Co. (Vacuum Impregnating Apparatus), 1300 Niagara, Buffalo, N. Y.
Stokes F. J. Machine Co., 6138 Tabor, Phila., Pa.

16250— Valleys (Roll Tin)

Bowers Mfg. Co., 35th & Hill, Los Angeles, Cal.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
Holzer R. G. (Estate of) (Galvanized), 317 Burgundy, New Orleans, La.
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
Messenger & Parks Mfg. Co. (Galvanized), Aurora, Ill.
Niles Iron & Steel Roofing Co. (Galvanized & Tin), Niles, O.
Ohio Corrugating Co., Warren, Ohio.
Pacific Stove & Stamping Co., Idaho & Duwanish av, Seattle, Wash.
Wheeling Corrugating Co., Wheeling, W. Va.

16251— Valonea Importers

Klipstein A. & Co. (Imported), 644 Greenwich, New York
Marden, Orth & Hastings Co., 136 Liberty, New York

16252-3—Valve Balls (Rubber)

Boston Belting Corp., 84 Linden Park, Boston, Mass.
Cigol-Behrens Rubber Co., Lodi, N. J.
Combination Rubber Mfg. Co., Bloomfield, N. J.
Continental Rubber Works, Erie, Pa.
Goodrich B. F. Rubber Co., Akron, Ohio
Gutta Percha & Rubber Mfg. Co., 350 Madison av, New York
Jenkins Bros., 80 White, New York
See adv index at end of book
Manhattan Rubber Mfg. Co., Passaic, N. J.
New York Belting & Packing Co., 91 Chambers, New York
Quaker City Rubber Co., 672 Market, Phila., Pa.
See adv index at end of book
Republic Rubber Co., Youngstown, O.
Revere Rubber Co., Chelsea, Mass.
U. S. Rubber Co., 1790 B'way, New York
See adv index at end of book

16254— Valve Cups

CHICAGO BELTING CO., 110 N Green, Chicago, Ill.
See adv index at end of book
CHICAGO RAWHIDE MFG. CO. (THE), 1307 Elston av, Chicago, Ill.
See adv index at end of book
Detroit Leather Specialty Co., (Inc.), ("Wear Well"), 275 Beecher av, Detroit, Mich.
Dragon Mfg. Co. (& Pumps for Oil Field Use), Marietta, Ohio
Hough Chas. N. Mfg. Co., Franklin, Pa.
Montpelier Mfg. Co. ("Everlasting" & Expanso" Canvas, also Pump), Montpelier, Ind.
Parker Cup & Specialty Wks., Parker Landing, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Whittlesey's M. E. Sons, Corry, Pa.

Valve Grinding Materials

See Steel, Emery

16254a— *Valve Mfrs.

HOMESTEAD VALVE MFG. CO., Homestead, Pa.
See adv index at end of book
Pressed Steel Tank Co. (Air Discharge), 58th & Greenfield av, West Allis, Milwaukee, Wis.

16255—Valve Mfrs. for Steam, Gas & Water

For Jobbers of these Goods see Plumbers' Supplies, Jobbers; also Steam Fitters' Supplies, Jobbers
For Various Kinds of Valves see Subclassifications following this list
Acton John, 118 John, Brooklyn, N. Y.
Albany Steam Trap Co. ("Blessing"), **Albany, N. Y.**
American District Steam Co., North Tonawanda, N. Y.
American Foundry & Const. Co., 2nd av & Longworth, Pittsburgh, Pa.
American Valve Co., Coxsackie, N. Y.
Ashton Valve Co. ("Ashton" Steam & Water), **161 First, Cambridge, Mass.**
Atwood & Morrill, 48 Loring av, Salem, Mass.
Baker Ice Machine Co., Omaha, Neb.
Bashlin Co., Warren, Pa.
Bay State Brass Co., Haydenville, Mass.
Beaton & Cadwell Mfg. Co., New Britain, Conn.
Beaumont Valve & Hydrant Works, Kankakee, Ill.
Belfield H. Co., 435 N Broad, Phila., Pa.
Belknap Mfg. Co., 800 Union av, Bridgeport, Conn.
Bethlehem Shipbuilding Corporation Ltd., Bethlehem, Pa.
Bishop & Babcock Co. ("B. & B."), 1204 E 35th, Cleveland, Ohio
Bordo L. J. Co., 12th & Thompson, Phila., Pa.
Bourbon Copper & Brass Works, Cincinnati, O.
BUCKEYE IRON & BRASS WORKS (Also Gasoline & Air), 322 E 3rd, Dayton, O.
See adv index at end of book
Burrows F. A. Mfg. Co. (Steam & Water Only), York, Pa.
Cadman A. W. Mfg. Co., 2316 Smallman, Pittsburgh, Pa.
Capitol Brass Works, 596 Franklin, Detroit, Mich.
CASH CO., A. W., Dept. H, P. O. Box 135, Decatur, Ill.
See adv index at end of book
Cayuta Mfg. Co., Sayre, Pa.
Chandler Boyd Supply Co. ("Hart" Dirs.), 47 Terminal, Pittsburgh, Pa.
Chapman Valve Mfg. Co. ("Chapman"), Indian Orchard, Mass.
Coal Muffler & Safety Valve Co., 325 E Oliver, Baltimore, Md.
Coffin Valve Co., Neponset, Boston, Mass.
Coldwell-Wilcox Co., Newburgh, N. Y.
COLONIAL SUPPLY CO., 217 Water, Pittsburgh, Pa.
See adv index at end of book
Columbus Brass Co., 620 Dublin av, Columbus, Ohio
See adv index at end of book
Commonwealth Brass Works (Packers), 625 Commonwealth, Detroit, Mich.
Cramp Wm. & Sons Ship & Engine Bldg. Co. ("Johnson"), **Beach & Ball, Phila., Pa.**
Crane Co., 836 S. Michigan av., Chicago, Ill.
See adv index at end of book
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
Darling Valve & Mfg. Co. ("Darling"), ft. of Walnut, Williamsport, Pa.
Davis Louis N., West Chester, Pa.
D'Este Julian Co., 26 Canal, Boston, Mass.
Detroit Brass & Malleable Works, 1177 Holden, Detroit, Mich.
Detroit Lubricator Co. ("Detroit"), **Detroit, Mich.**
Edward Valve & Mfg. Co., East Chicago, Ind.
Eddy Valve Co., Waterford, N. Y.
Engberg Electric & Mechanical Works (Electro Hydraulic Valve), **St. Joseph, Mich.**
Erie Valve Co., 2326 Sassafras, Erie, Pa.
Everlasting Valve Co., 49 Fisk, Jersey City, N. J.
Fairbanks Co., 416 Broome, New York
Fewlass-Leen Brass & Iron Co., 610 E. Front, Cincinnati, O.
Fire & Gas Appliance Co., 1906 Wyandotte, Kansas City, Mo.
Fisher Governor Co., Marshalltown, Ia.
Ford Thos. P. Co., 407 Broome, New York
Fords & Kendig Co. (Dirs. Brass, Iron & Steel), 1428 Callow Hill, Phila., Pa.
Foster Engineering Co. (Automatic), 109 Monroe, Newark, N. J.
French Oil Mill Machy Co., Piqua, O.
Frick & Lindsay (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Garratt W. T. & Co., 299H Fremont, San Francisco, Cal.
Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, O.
Gold Car Heating & Lighting Co. ("Gold's Cyclone" for Passenger & Refrigerator Cars), **220 36th, Brooklyn, N. Y.**
Gould Balance Valve Co., Kellogg, Ia.
Graffinberger Valve Co. (Steam Air Lift, etc.), 495 E Taylor, Portland, Ore.
Greenberg's M. & Son, Folsom & Alice, San Francisco, Cal.
Hardie-Tynes Mfg. Co., Birmingham, Ala.
Harriss Pump & Supply Co., 318 2d av, Pittsburgh, Pa.
See adv index at end of book
Harvey's A. Sons Mfg. Co., 23 1st, Detroit, Mich.
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
See adv index at end of book
Hoffman B. Mfg. Co., 257 6th, Milwaukee, Wis.
Hoffmann & Billings Mfg. Co., 100 2d, Milwaukee, Wis.

(Continued on following page)



Sectional View, Fig. 106, screwed, Jenkins Standard Bronze Globe Valve, fitted with Jenkins renewable disc.

The Jenkins "Diamond and Signature" identify genuine Jenkins Valves

Order valves bearing the Jenkins "Diamond and signature"—they identify genuine Jenkins Valves and guarantee Jenkins service to you. Valves in bronze, iron, and steel in types and sizes for all requirements. At supply houses everywhere. Jenkins '96, Jenarco, Oiltite Packing, and Compressed Asbestos Jointing, Pump Valves, Valve Discs, Mechanical Rubber Goods.

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Always marked with the "Diamond"

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SINCE 1864



Fig. 325, screwed, Jenkins Standard Iron Body Gate Valve.

Valve Mfrs. for Steam, Gas & Water—Continued

Homestead Valve Mfg. Co. ("Homestead"), Homestead, Pa.
See adv index at end of book

Hughson Steam Spec. Co. ("Eclipse"), W 21st & Racine av, Chicago, Ill.

Jarecki Mfg. Co., Erie, Pa.

Jenkins Bros., 80 White, New York
See adv index at end of book

JERGUSON GAGE & VALVE CO. (To Specifications), Mystic av & Fellsway, Somersville, Mass.

KELLY & JONES CO. THE, Greensburg, Pa. *See adv index at end of book*



ALL IRON GATE VALVES

with Saddle

Can be furnished in sizes ½" to 6". Compact, Durable and Economical. Can also be furnished Brass Mounted.

The Kelly & Jones Co.
GREENSBURG, PA.

KENNEDY VALVE MFG. CO., Elmira, N. Y. *See adv index at end of book*

Kieley & Mueller, 34 W 13th, New York

Kinsey & Mahler Co. ("K. & M."), Peoria, Ill.

Klipfel Mfg. Co. ("K. & T."), 2651 W Harrison, Chicago, Ill.

Knickerbocker Valve, Oneida, N. Y.

Kunkle Valve Co., 119 N Clinton, Fort Wayne, Ind.

Lead Lined Pipe Co. (Gas & Water), Wakefield, Mass.

Limbert Geo. B. Co. (Fabricated), 558 Fulton, Chicago, Ill.

Locke Regulator Co., Salem, Mass.

Lonergan J. E. Co., 211 Race, Phila., Pa.

Los Angeles Valve & Fittings Co., 2741 Compton, Los Angeles, Cal.

Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.

LUNKENHEIMER CO. (Also for Oil), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
See adv index at end of book

McCambridge Co. (Steam), 315 N 20th, Phila., Pa.

McMann Supply Co., 319 Pearl, New York

McNab & Harlin Mfg. Co., Paterson, N. J.

McRae & Roberts Co., 100 S Campbell av, Detroit, Mich.

MANNING MAXWELL & MOORE INC. (Consolidated Safety Valve Co. Div. & Hancock Inspirator Co. Div.) (Safety Air; not gas), 100 E 42d, New York
See adv index at end of book

Marsh Jas. P. & Co., 118 S Clinton, Chicago, Ill.

Marsh Valve Co. (Mfrs. of High Grade Radiator & Power Pressure Steam & Water Valves), Dunkirk, N. Y.

Mason Regulator Co. ("Mason"), Dorchester, Boston, Mass.

Mattingly Automatic Valve Co. (Steam), 714 N 2d, St. Louis, Mo.

Max Machine Co., Clinton, Mass.

Michigan Lubricating Co., 3643 Beaubien, Detroit, Mich.

Milwaukee Valve Co., 139 Burrell, Milwaukee, Wis.

Monash-Younker Co. (Steam & Water Only), 551 W Monroe, Chicago, Ill.

Mueller H. Mfg. Co. (Steam, Air, Gas & Water), Decatur, Ill.
See adv index at end of book

Nason Mfg. Co., 71 Fulton, New York
See adv index at end of book

Nassau Valve & Pump Co., Inc., Rockville Centre, L. I., N. Y.

National Valve & Mfg. Co., 31st & Liberty, Pittsburgh, Pa.

Nelson Valve Co., H Chestnut Hill, Phila., Pa.

Northern Tool Co., Utica, N. Y.

Ohio Brass Co., Mansfield, O.

Ohio Injector Co., Wadsworth, O.

Oil Well Supply Co. (Iron & Brass), 215 Water, Pittsburgh, Pa.

O'Malley-Beare Valve Co. ("Multiplate"), Railway Exchange bldg, Chicago, Ill.

Paul Andrew G. Co. (Steam Only), 131 State, Boston, Mass.

Perkes Chas. (Est. of), 623 Arch, Phila., Pa.

Pierce Butler & Pierce Mfg. Corp., 41 E 42nd, New York

Pioneer Brass Works, Indianapolis, Ind.

Pittsburgh Gage & Supply Co., 30th & Liberty av, Pittsburgh, Pa.

Pittsburgh Piping & Equipment Co., 35th & Charlotte, Pittsburgh, Pa.

Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.

POWELL CO., WM. (& Air) (One of the oldest manufacturers of dependable engineering specialties has by virtue of an ever superior product, enjoyed more than 75 years of successful achievement in expansion and ever increasing production. Always eager to better its product and better serve its many customers, thereby insuring continued satisfied patronage. We manufacture a complete line of bronze, iron and steel, globe, angle cross check, gate, quick opening throttle and safety non-return valves for water, steam, gas, oil and air for all pressures and purposes, also cocks, fittings, lubricators, oilers, grease cups and many other engineering specialties. To insure longevity of service and economy in maintenance specify Powell on your next requisition for valves or other specialties), 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book

Pratt & Cady Co. ("P. & C"), Hartford, Conn.

Protected Seat Valve Co. ("B.&O."), 707 Peoples Bank bldg., Pittsburgh, Pa.

Reading Steel Casting Co. (Steam, Gas & Water), Reading, Pa.

Rensselaer Valve Co. ("Rensselaer"), Dept H, Troy, N. Y.

Ross Valve Mfg. Co. ("Trojan"), Oakwood av, Troy, N. Y.

Rundle-Spence Mfg. Co., 61 2nd, Milwaukee, Wis.

SIMMONS JOHN CO., 110 Centre, New York *See adv index at end of book*

Smith A. P. Mfg. Co., East Orange, N. J.

Smolensky M. Mfg. Co., Jasper av & Ridge rd, Cleveland, Ohio

Southwark Foundry & Machine Co. (Metal, Hydraulic), 1128 S 4th, Phila., Pa.
See adv index at end of book

South Park Foundry & Machine Co., St. Paul, Minn

Star Brass Mfg. Co., 53 Oliver, Boston, Mass.

Stephens, Roe Mfg. Co., 1097 McKinley, Detroit, Mich.

Swartwont Co. ("Swartwont," Automatic Water Valve), 13515 Euclid av, Cleveland, Ohio

Swift Lubricator Co., Elmira, N. Y.

Syracuse Faucet & Valve Co. (No Packing), Eastwood, N. Y.

Threaded Products Co., 8th & Carlton, Berkeley, Cal.

Triumph Valve Mfg. Co., Mansfield, O.

Utica Valve & Fixture Co., Utica, N. Y.

Utility Mfg. Co., Dept. H, Squire & Kingham, Cudahy, Wis.

Walworth Mfg. Co., 82-92 Pearl, Boston, Mass.

Watson & McDaniel Co., 146 N 7th, Phila. Pa.

Watts Regulator Co. ("Watts"), Lawrence, Mass.

Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.

Williams D. T. Valve Co., Cincinnati, O.

Yarnell-Waring Co. ("Yarway"), Chestnut Hill, Phila., Pa.

Young C. C. (Steam), Jersey Shore, Pa.

Youngstown Sheet & Tube Co. (The), Youngstown, Ohio

16255a—Valve Operating Device

For Steam Engines

FRANKLIN MACHINE CO. ("Brown," Valve Gear), Providence, R. I.
See adv index at end of book

16256— Valve Seats (Ball)

Capitol Brass Works, 2306 Franklin, Detroit, Mich.

Cassady Fairbank Mfg. Co., 6126 La Salle, Chicago, Ill.

Hough Chas. N. Mfg. Co. ("Steelex," "Bronzex," for Artesian & Oil Wells), Franklin, Pa.

Locke Regulator Co. ("Locke"), Salem, Mass.

Morency-Van Buren Mfg. Co., Sturgis, Mich.

Witt G. E. Co., 862 Howard, San Francisco, Cal.

16257— Valve Stems

Aldrich Pump Co., Foot of Pine, Allentown, Pa.

American Manganese Bronze Co., 3501 Rhawn, Phila., Pa.

Bliss Supply Co., 1277 W 9th, Cleveland, Ohio

Boston Forge Co., E. Boston, Mass.

Erie Forge Co., Erie, Pa.

Locke Regulator Co. ("Locke"), Salem, Mass.

Modern Die & Drop Forge Co., H 139th, Blue Island, Ill.

Randall Graphite Products Corp. (Oilless), 711H Fulton, Chicago, Ill.

Steel Products Co., 2206 Clarkwood av, S. E, Cleveland, Ohio

Union Drop Forge Co. (Drop Forged), 358 W Grand av, Chicago, Ill.

Williams J. H. & Co. (Drop-Forged), 400 Vulcan, Buffalo, N. Y.

16258—Valve Testing Device

Westinghouse Air Brake Co. ("Westinghouse" Portable Triple), Pittsburgh, Pa.

Protected Seat Globe Valves B. & O. Pat.



Protected Seat Hydraulic Operating Valves B. & O. Pat.

16259— Valves (Accumulator)

Atlas Valve Co., 282 South, Newark, N. J.
Aldrich Pump Co., Foot of Pine, Allentown, Pa.
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, Ohio
See adv index at end of book
Hennebohle Frank, 31st & S Chicago av, Chicago, Ill.
Hydraulic Press Mfg. Co. ("H.P.M." Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
See adv index at end of book

16260— Valves (Acid)

Cadman A. W. Mfg. Co., 2316 Smallman, Pittsburgh, Pa.
Chadwick-Boston Lead Co., 163 Congress, Boston, Mass.
Chapman Valve Mfg. Co. ("Chapman"), Indian Orchard, Mass.
Chemical Equipment Co. ("Ceco"), 2457 S Western av, Chicago, Ill.
Cleveland Brass Mfg. Co. ("Acimet"), 4646 Hamilton, Cleveland, O.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
Durion Castings Co. ("Duriorn" Straightway), Dayton, O.
Eastwood Wire Mfg. Co., Belleville, N. J.
Edward Valve & Mfg. Co., East Chicago, Ind.
Everlasting Valve Co., 49 Fisk, Jersey City, N. J.
Graham Chas. Chemical Pottery Works (Stoneware), 986 Metropolitan av, Brooklyn, N. Y.
Harris Pump & Supply Co., 318 2d av, Pittsburgh, Pa.
See adv index at end of book
Homestead Valve Mfg. Co. ("Homestead"), Homestead, Pa.
Jenkins Bros., 80 White, New York
See adv index at end of book
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Kennedy Valve Mfg. Co., Elmira, N. Y.
See adv index at end of book
Knight Maurice A. (Acid Proof Stoneware), Kelly av, East Akron, O.
Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Merrill Co., 121 2nd, San Francisco, Cal.
Moore Bros. Co., Elizabeth, N. J.
Pioneer Alloy Products Co., Inc. ("Pioneer"), 16601 Euclid av, Cleveland, O.
Pratt Engineering & Machine Co. (Straight way or Angle), Atlanta, Ga.
Pratt & Cady Co. ("P. & C."), Hartford, Conn.
Rensselear Valve Co. ("Rensselear"), Dept H, Troy, N. Y.
Robertson Jas. Lead Co., 827 S Howard, Baltimore, Md.
SCHUTTE & KOERTING CO. 1251 N. 12th, Phila., Pa.
See adv index at end of book
Shaw Benj. F. Co., Wilmington, Del.
Simmons John Co., 110 Centre, New York
See adv index at end of book
United Lead Co., 111 B'way, New York
United States Stoneware Co. (Glazed Stoneware), Akron, O.
York Mfg. Co., York, Pa.

16261— Valves (Acid Egg)

Moore Bros. Co., Elizabeth, N. J.
Robertson Jas. Lead Co., 827 S Howard, Baltimore. Md.

Valves (Adams)

See Valves, Y

16262—Valves (Aiken Operating)

Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.

16263— Valves (Air)

Aaball Mfg. Co., 815 Larrabee, Chicago, Ill.
ALLEN MFG. CO., W. D. (Automatic for Radiators), 201-211 N Jefferson, Chicago, Ill.
See adv index at end of book
American Foundry & Construction Co., 2nd av & Longworth, Pittsburgh, Pa.
American Pin Co. ("Ampinco"), Waterbury, Conn.
Am. Radiator Co. ("Norwell," "Libra"), 816 Michigan av, Chicago, Ill.
Bashlin Co., Warren, Pa.
Beaton & Cadwell Mfg. Co. ("Gem No. 4," "Wellby Special," "Jumbo," "Water Seal," "Gem," Automatic, Lockseal, "Perfection," Automatic Vacuum Steam Heating Valves, etc.), **New Britain, Conn.**
Beaton & Corbin Mfg. Co. (Automatic), Southington, Conn.
Belfield H. Co., 435 N Broad, Phila., Pa.
Belknap Mfg. Co. (Automatic), 800 Union av, Bridgeport, Conn.
Bishop & Babcock Co. ("Vacustat"), 1204 E 55th, Cleveland, O.

BUCKEYE IRON & BRASS WORKS, 322 E 3rd, Dayton, Ohio
See adv index at end of book

Burlington Brass Works ("Kno-Pack"), Burlington, Wis.
Cadman A. W. Mfg. Co., 2316 Smallman, Pittsburgh, Pa.
Carleton Co. (Auxiliary), 27 Commercial av, Boston, Mass.

CASH CO., A. W. (Automatic Operating & Relief), Dept. H, P. O. Box 135, Decatur, Ill.
See adv index at end of book

Chandler Boyd Supply Co. (Dlrs.), 47 H Terminal Way, Pittsburgh, Pa.
Chapman Valve Mfg. Co. ("Chapman"), Indian Orchard, Mass.
Claflin C. A. Co. ("Claflin Air Pistol"), 60H Pearl, Boston, Mass.

CLEVELAND PNEUMATIC TOOL CO. ("Cleco" Pneumatic, Air Seated), 3734 E 78th, Cleveland, O.
See adv index at end of book

Coffin Valve Co., Neponset, Boston, Mass.
Collar Valve Co. ("Collar"), Federal bldg, Oakland, Cal.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
Detroit Brass & Malleable Works, 1177 Holden, Detroit, Mich.
Dole Valve Co., 1923 Carroll, Chicago, Ill.

DUNHAM CO., C. A. (Line), 230 E Ohio, Chicago, Ill.
See adv index at end of book

Eddy Valve Co., Waterford, N. Y.
Edelmann E. & Co. ("Perfecto" automatic), 2332 Logan blvd, Chicago, Ill.
Edward Valve & Mfg. Co., East Chicago, Ind.
Farran-Kinney Co. ("Farran-Kinney"), 7 S. Dearborn, Chicago, Ill.
Foster Engineering Co. (Air Reducing & Relief), 109 Monroe, Newark, N. J.
Fulton Co. ("Sylphon" Automatic), Knoxville, Tenn.
Garrett W. D. & Co. ("Chabot"), 118 E 28th, New York
Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, O.
Gold Car Heating & Lighting Co., 230 36th, Brooklyn, N. Y.
Graffinberger Valve Co. ("Graffinberger"), 495 E Taylor, Portland, Ore.
Hansen Mfg. Co. ("Hansen" automatic), 1786 E 27th, Cleveland, O.
Harlem Mfg. Co. ("Omega," Automatic, etc), 685 11th av, New York
Harris Pump & Supply Co., 318 2d av, Pittsburgh, Pa.
See adv index at end of book
Hennebohle Frank (Regulating), 31st & S Chicago av, Chicago, Ill.
Hoffmann B. Mfg. Co., Milwaukee, Wis.
Hoffman Specialty Co. ("Hoffman" Quick Vent & Return Line), Grand & Field, Waterbury, Conn.
Homestead Valve Mfg. Co. ("Homestead"), Homestead, Pa.
See adv index at end of book
Jenkins Bros. ("Jenkins" Automatic for Steam Radiators, Heating Coils, etc.), 80 White, New York
See adv index at end of book
Kelly Brass Works (Automatic Steam), 226 W Ontario, Chicago, Ill.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Klipstein A. & Co. ("Bemanco" Automatic), 644 Greenwich, New York
Lalor Fuel Oil System Co. ("Lalor"), 527H Calvin, Baltimore, Md.
Larkin J. K. & Co., 253 B'way, New York
See adv index at end of book
Lawler Regulator Co. ("Lawler" Automatic Floatless for Hot Water Radiators), 453 North Railroad av, Mt. Vernon, N. Y.
Ludlow Valve Mfg. Co., ft of Adams, Troy, N. Y.

LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
See adv index at end of book

McCracken Machine Works, 487 W 29th, Portland, Ore.
McRae & Roberts Co., 100 Campbell av, Detroit, Mich.
Magee Steam Specialty Corp., 50 Vesey, New York
Marsh James P. & Co. ("Acme," "Paul," "Illinois," "Original," "No. 4 Lock & Shield," "No. 6 Duplex," "Thermodisk"), 118 S Clinton, Chicago, Ill.
Marshall Foundry Co., 28th & R R, Pittsburgh, Pa.
Merrill Co., 121 2nd, San Francisco, Cal.
MESTA MACHINE CO., Box 1124, Pittsburgh, Pa.
See adv index at end of book
Monarch Brass Co. ("Monarch" Gravity, Way Drain), 4613 Payne av, Cleveland, Ohio
Monarch Valve Co. ("Monarch" Auxiliary), 112 Front, Brooklyn, N. Y.
Monash-Younker Co. ("Monash," "Four Way Drain," "Perfected Duplex" Automatic), 551 W Monroe, Chicago, Ill.
Mount Valve Co. ("Mount"), Suite 506, Educational bldg, New York
Mueller H. Mfg. Co. (Ammonia Expansion), Decatur, Ill.
See adv index at end of book
Nason Mfg. Co., 71 Fulton, New York
See adv index at end of book
National Brass Mfg. Co., Rochester, N. Y.
National Steam Specialty Co. ("National"), 16 S Clinton, Chicago, Ill.
Ohio Brass Co. (For Electric Car Sanders), Mansfield, O.
Paul Andrew G. Co. ("Paul"), 141H Milk, Boston, Mass.
Phelps Bros. Co. ("Elmo" & "Crescent" Automatic Float), 101 Beekman, New York
Pierce Butler & Pierce Mfg. Corp., 41 E 42nd, New York

POWELL WM. CO. (Compression, Noiseless Air Tight Dash Pot & Check), 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book

Reading Valve & Fitting Co., Reading, Pa.
Rensselear Valve Co. ("Rensselear"), Dept. H, Troy, N. Y.
Roberts Brass Mfg. Co., 5435 W Fort, Detroit, Mich.
Romort Manfg. Co. ("Romort" Automatic), Dept. H, Main & Hubbard, Oakfield, Wis.
Russell W. A. & Co. ("Imperial," "Eureka," "Perfect," Automatic), Grand Central Terminal, New York
Schrader's A. Sons, Inc. ("Schrader's Universal"), 490 Vanderbilt av, Brooklyn, N. Y.
Simmons John Co. (For Radiators), 110 Centre, New York
See adv index at end of book
Simplex Valve & Meter Co. (Automatic), 5718 Race, Philadelphia, Pa.
Smith H. B. Co. ("Breckenridge" Automatic), Westfield, Mass.
Southwark Foundry & Machine Co. (Various Kinds), 1128 S 4th, Phila., Pa.
See adv index at end of book
Star Brass Mfg. Co. ("Renewable"), 53 Oliver, Boston, Mass.
Sterling & Skinner Mfg. Co. (Radiator Air), 2672 E Grand blvd, Detroit, Mich.
Tagliabue C. J. Mfg. Co. (Air Reducing), 18 33rd, Brooklyn, N. Y.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
Tessmer Mach. & Tool Co. (Blow), 1425 Rivard, Detroit, Mich.
Triumph Ice Machine Co. (Automatic), Oakley, Cincinnati, O.
Universal Valve Co. ("Kno-Pal), Burlington, Wis.
Walworth Mfg. Co., 82H Pearl, Boston, Mass.
Watson & McDaniel Co., 146 N 7th, Philadelphia, Pa.
Watts Regulator Co. ("Watts"), Lawrence, Mass.
Wheeler Condenser & Engineering Co., W Carteret, N. J.
Wood R. D. & Co., 400 Chestnut, Philadelphia, Pa.
Yarnall-Waring Co. ("Yarway" High Pressure), Chestnut Hill, Phila., Pa.

16264— Valves (Air Discharge Pressed Steel)

Pierce Butler & Pierce Mfg. Corp., 437 E 162nd, New York
Pressed Steel Tank Co., 58th & Greenfield av, West Allis, Milwaukee, Wis.
See adv index at end of book

16265—Valves (Air, for Coal Mines)

Colonial Supply Co., 217 Water, Pittsburgh, Pa.
See adv index at end of book
Frick & Lindsay Co. (Dlrs.), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Graffinberger Valve Co., 495 E Taylor, Portland, Ore.
Homestead Valve Mfg. Co., Homestead, Pa.
See adv index at end of book
Kunkle Valve Co., 821 Barr, Ft. Wayne, Ind.

LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
See adv index at end of book

16266—Valves (Air Regulating)

Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Colonial Supply Co., 217 Water, Pittsburgh, Pa.
See adv index at end of book
Frick & Lindsay Co. (Dlrs.), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Homestead Valve Mfg. Co., Homestead, Pa.
See adv index at end of book
Johnson Service Co. ("Johnson"), 157 Michigan, Milwaukee, Wis.
See adv index at end of book
Mason Regulator Co. ("Mason"), Dorchester Center, Boston, Mass.

POWERS REGULATOR CO., 2773 Greenview av, Chicago, Ill.
See adv index at end of book

Strong Carlisle & Hammond Co., 336 Frankfort av N W, Cleveland, O.

16267—Valves (Altitude Controlling)

Cash Co., A. W., Dept. H, P. O. Box 135, Decatur, Ill.
See adv index at end of book
Golden-Anderson Valve Specialty Co. ("Anderson"), Fulton bldg, Pittsburgh, Pa.
McAlear Mfg. Co., 190 S Western av, Chicago, Ill.
S. C. Regulator Mfg. Co., Fostoria, O.
SIMPLEX VALVE & METER CO. (For Controlling the Level of Water in Reservoirs, Stand Pipes & Railroad Tanks), 5718 Race, Philadelphia, Pa.

16268— Valves (Ammonia)

American Valve Co., Coxsackie, N. Y.
Ashton Valve Co. ("Ashton"), 161 First, Cambridge, Mass.
Baker Ice Machine Co., Omaha, Neb.
Brunswick Refrigerating Co., New Brunswick, N. J.
CASH CO., A. W. (Expansion), Dept. H, P. O. Box 135, Decatur, Ill.
See adv index at end of book
Colonial Supply Co., 217 Water, Pittsburgh, Pa.
See adv index at end of book
Columbus Iron Works (Globe & Angle), Columbus, Ga.
CRANE CO. (& Fittings), 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
Edward Valve & Mfg. Co., East Chicago, Ind.
Foster Engineering Co. (Pressure), 109 Monroe, Newark, N. J.
Great Lakes Engineering Works, Real Estate Exchange bldg, Detroit, Mich.
Hennebohle Frank (Safety Suction Check), 81st & S Chicago av, Chicago, Ill.
Homestead Valve Mfg. Co., Homestead, Pa.
See adv index at end of book
Hydraulic Press Mfg. Co. ("H. P. M."), 24 Lincoln av, Mount Gilead, O.
See adv index at end of book
Ice Cold Machine Co., 3002 N Broadway, St. Louis, Mo.
Jarecki Mfg. Co., Erie, Pa.
Jenkins Bros., 80 White, New York
See adv index at end of book
Kelly & Jones Co., The, Greensburg, Pa.
See adv index at end of book
Kennedy Valve Mfg. Co., Elmira, N. Y.
See adv index at end of book
Ludlow Valve Mfg. Co., ft of Adams, Troy, N. Y.
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
See adv index at end of book
Mattingly Automatic Valve Co., 714 N 2nd, St. Louis, Mo.
Merrill Co. ("Merco"), 121 2nd, San Francisco, Cal.
Nason Mfg. Co., 71 Fulton, New York
See adv index at end of book
Pratt & Cady Co. ("P. & C."), Hartford, Conn.
Reading Steel Casting Co., Reading, Pa.
Star Brass Mfg. Co. ("Quincy Market"), 58 Oliver, Boston, Mass.
Triumph Ice Machine Co., Oakley, Cincinnati, O.
York Mfg. Co., York, Pa.

16269—Valves (Anti-Freezing)

Edward Valve & Mfg. Co., East Chicago, Ind.
Jenkins Bros., 80 White, New York
See adv index at end of book
Zero Valve & Brass Mfg. Co., 643 4th, Buffalo, N. Y.

16269a—Valves (Anti-Syphon)

Cash Co., A. W., Dept. H, P. O. Box 135, Decatur, Ill.
See adv index at end of book

16270—Valves (Asbestos Packed)

Asbestos Materials Corp., Millington, N. J.
Crane Co., 836 S. Michigan av, Chicago, Ill.
See adv index at end of book
Detroit Brass & Malleable Works, 1177 Holden, Detroit, Mich.
Edward Valve & Mfg. Co., East Chicago, Ind.
Fairbanks Co., 416 Broome, New York
Homestead Valve Mfg. Co., Homestead, Pa.
See adv index at end of book
Pratt & Cady Co. ("P. & C."), Hartford, Conn.

Valves (Automatic Air)

See Valves, Air

16271—Valves (Automatic Drip)

Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
DUNHAM CO., C. A., 230 E. Ohio, Chicago
See adv index at end of book
Graffinberger Valve Co., 495 E Taylor, Portland, Ore.
Hennebohle Frank, 81st & S Chicago av, Chicago, Ill.
Locke Regulator Co. ("Locke"), Salem, Mass.
Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.

16271a—Valves (Automobile Engine)

Rich Tool Co., Railway Exchange bldg, Chicago, Ill.

16272—Valves (Back Pressure)

American District Steam Co., North Tonawanda, N. Y.
American Fdry. & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Atwood & Murrill ("XX" Century), 48 Loring av, Salem, Mass.
Buckeye Iron & Brass Works, Dayton, O.
Burrows F. A. Mfg. Co., York, Pa.
CASH CO., A. W. (Relief), Dept. H, P. O. Box 135, Decatur, Ill.
Cash A. W. Co. (Relief), Dept. H, Decatur, Ill.
See adv index at end of book
Coldwell-Wilcox Co., Newburgh, N. Y.
CRANE CO. (For Exhaust Steam), 836 S Michigan av, Chicago, Ill.
See adv index at end of book
DAVIS G. M. REGULATOR CO., 434 Milwaukee av, Chicago, Ill.
Edward Valve & Mfg. Co., East Chicago, Ind.
Everlasting Valve Co., 2 Rector, New York
Fairbanks Co., 416 Broome, New York
Fisher Governor Co., Marshalltown, Ia.
Foster Engineering Co. (For Heating Systems), 109 Monroe, Newark, N. J.
Garrett W. D. & Co., 118 E 28th, New York
GRISCOM-RUSSELL CO., 92 West, New York
See adv index at end of book
Hennebohle Frank, 81st & S Chicago av, Chicago, Ill.
Hoffman B. Mfg. Co. ("Hoffman"), 257 6th, Milwaukee, Wis.
Hoffmann & Billings Mfg. Co., 100 2d, Milwaukee, Wis.
Hussey, McCann & Co., 87 Warren, New York
Illinois Engineering Co. ("Eclipse"), W 21st & S Racine avs, Chicago, Ill.
Jenkins Bros. ("Excelsior"), 80 White, New York
See adv index at end of book
Keeble Alex. K., Lawrence, Mass.
Kelly & Jones Co., The, Greensburg, Pa.
See adv index at end of book
Kieley & Mueller, 34 W 13th, New York
Klipfel Mfg. Co. ("K. & T."), 2651 W Harrison, Chicago, Ill.
Larkin J. K. & Co., 253 B'way, New York
See adv index at end of book
Locke Regulator Co., Salem, Mass.
LUNKENHEIMER CO. Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
See adv index at end of book
McAlear Mfg. Co., 1901 S Western av, Chicago, Ill.
Nason Mfg. Co., 71 Fulton, New York
See adv index at end of book
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Pratt & Cady Co., Hartford, Conn.
Ruggles-Klingeman Mfg. Co. ("R.-K."), Salem, Mass.
Schutte & Koerting Co., 1251 N 12th, Phila., Pa.
See adv index at end of book
Smolensky M. Mfg. Co., Jasper av & Ridge rd, Cleveland, O.
Stephens Roe Mfg. Co. ("Scott"), 1097 McKinley, Detroit, Mich.
Walworth Mfg. Co., 82H Pearl, Boston, Mass.
Watts Regulator Co. ("Watts"), Lawrence, Mass.

16273—Valves (Back Water & Sewer Gas)

Barrett Jas. Mfg. Co. ("Barrett," "O. D."), 117 Pearl, Boston, Mass.
Casey-Hedges Co. ("Chattanoogan"), 25th & Chestnut, Chattanooga, Tenn.
Edwardsville Brass Co., Edwardsville, Ill.
Fairbanks Co., 416 Broome, New York
Glenn Mfg. Co. ("Glenn" Combination Floor Drain & Back Water), St. Charles, Ill.
Kennedy Valve Mfg. Co. ("Pennie"), Elmira, N. Y.
See adv index at end of book
Wade Iron Sanitary Mfg. Co., 551 Fulton, Chicago, Ill.
Wolverine Brass Works, Grand Rapids, Mich.
Zurn J. A. Mfg. Co. ("Palmer"), Dept. H, Erie, Pa.

16274— Valves (Balance)

American Foundry & Construction Co., 2nd av & Longworth, Pittsburgh, Pa.
Atlas Valve Co., 282 South, Newark, N. J.
Atwood & Morrill (Lever), 48 Loring av, Salem, Mass.
Baker Valve Co. ("Baker" Balanced Piston), 1855 E 28th, Minneapolis, Minn.
Belfield H. Co., 4-5 N Broad, Phila., Pa.
Buckeye Iron & Brass Works, Dayton, O.
Cash Co., A. W., Dept. H, P. O. Box 135, Decatur, Ill.
See adv index at end of book
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
DAVIS G. M. REGULATOR CO. (Steam, Air & Water), 434 Milwaukee av, Chicago, Ill.
Edward Valve & Mfg. Co., East Chicago, Ill.
Foster Engineering Co. (Lever), 109 Monroe, Newark, N. J.
Golden-Anderson Valve Specialty Co. ("Anderson"), Fulton bldg, Pittsburgh, Pa.
Gould Balance Valve Co., Kellogg, Ia.
Hammett H. G. ("Richardson" & "Allen-Richardson" Slide Locomotive), Troy, N. Y.
Harris Arthur & Co., 212 Curtis, Chicago, Ill.
Hennebohle Frank (Steam, Gas, Air & Hydraulic), 81st & S Chicago av, Chicago, Ill.
Hoffman B. Mfg. Co. (Brass & Iron), 257 H 6th, Milwaukee, Wis.
Hydraulic Press Mfg. Co. (Hydraulic), Mt. Gilead, O.
See adv index at end of book
Klipfel Mfg. Co. ("K. & T."), 2651 W Harrison, Chicago, Ill.
Larkin J. K. & Co., 253 B'way, New York
See adv index at end of book
Locke Regulator Co., Salem, Mass.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
See adv index at end of book
McAlear Mfg. Co., 1901 S Western av, Chicago, Ill.
McNab & Harlin Mfg. Co., Paterson, N. J.
Mason Regulator Co. ("Mason"), Dorchester Center, Boston, Mass.
NASON MFG. CO. (Nason Quick Opening, minimum movement and complete closure), 71 Fulton, New York
See adv index at end of book

Balanced Valves

Double bevel disc and double parallel seat construction. Pioneer valve of its type, brass and iron construction, screwed, flange and union end, absolutely dependable.

NASON MFG. CO.
71 Fulton St., New York

Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Pittsburgh Valve & Fittings Co., Frick bldg, Pittsburgh, Pa.
Ruggles-Klingemann Mfg. Co. ("R-K") (For Steam or Float Tank Service), Salem, Mass.
Schutte & Koerting Co., 1251 N 12th, Phila., Pa.
See adv index at end of book
Spencer Regulator Co. ("Spencer"), Salem, Mass.
Stephens Roe Mfg. Co., 1097 McKinley, Detroit, Mich.
Swartwont Co., 18515 Euclid av, Cleveland, Ohio
Waters Governor Co., 141 Milk, Boston, Mass.
Watts Regulator Co. ("Watts"), Lawrence, Mass.

16274a—Valves (Balanced Float)

Hennebohle Frank, 81st & S Chicago av, Chicago, Ill.
S. C. Regulator Mfg. Co. ("S. C."), Fostoria, O.

16275—Valves (Balanced Lever)

d'Este Julian Co., 26 Canal, Boston, Mass.
Hennebohle Frank, 81st & S Chicago av, Chicago, Ill.
Hydraulic Press Mfg. Co. ("H.P.M." High Pressure Hydraulic), 24 Lincoln av, Mount Gilead, O.
See adv index at end of book
LUNKENHEIMER CO. Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
See adv index at end of book
Mason Regulator Co., Dorchester Center, Boston, Mass.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.

16276— Valves (Ball)

Chicago Well Supply Co. (Bronze), 232 W Ontario, Chicago, Ill.
Crane Co. (Angle, Check & Globe), 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Draper Mfg. Co., Port Huron, Mich.
Everlasting Valve Co., 49 Fisk, Jersey City, N. J.
Fairbanks Co. ("Sphero"), 416 Broome, New York
Garratt W. T. & Co., 299H Fremont, San Francisco, Cal.
LUNKENHEIMER CO. Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
See adv index at end of book

Mushet W. E. Co. (Dirs.), 700 2nd, San Francisco, Cal.
Williams D. T. Valve Co., Cincinnati, O.

16277—Valves (Ball Stock)

Ticonderoga Machine Works, Ticonderoga, N. Y.

16278— Valves (Bell End)

Fairbanks Co., 416 Broome, New York
Jenkins Bros., 80 White, New York
See adv index at end of book
Kelly & Jones Co., The, Greensburg, Pa.
See adv index at end of book
Kennedy Valve Mfg. Co., Elmira, N. Y.
See adv index at end of book
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Walworth Mfg. Co., 82H Pearl, Boston, Mass.

16279—Valves (Bicycle Tire)

See also Valves, Motor Tire

Schrader's A. Son, Inc. ("Schrader Universal" Pneumatic), 470 Vanderbilt av, Brooklyn, N. Y.

16280—Valves (Blast Furnace)

Amsler Morton Co., Hoboken, Pa.
Amsler Walter O., Wabash bldg, Pittsburgh, Pa.
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Hartman Co., 1231 N Front, Phila., Pa.
Kelly & Jones Co., The, Greensburg, Pa.
See adv index at end of book
Kennedy Valve Mfg. Co., Elmira, N. Y.
See adv index at end of book
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.

16281—Valves (Blast & Gas)

American Foundry & Construction Co., 2nd av & Longworth, Pittsburgh, Pa.
Chandler Boyd Supply Co. (Dirs.), 47H Terminal Way, Pittsburgh, Pa.
Chapman Valve Mfg. Co. ("Chapman"), Indian Orchard, Mass.
Colonial Supply Co., 217 Water, Pittsburgh, Pa.
See adv index at end of book
Connersville Blower Co., Connersville, Ind.
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Detroit Brass & Malleable Works (Gas), 1177 Holden, Detroit, Mich.
Fairbanks Co., 416 Broome, New York
Homestead Valve Mfg. Co., Homestead, Pa.
See adv index at end of book
Jenkins Bros., 80 White, New York
See adv index at end of book
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Kennedy Valve Mfg. Co., Elmira, N. Y.
See adv index at end of book
Marshall Foundry Co. (Gas), 28th & R R, Pittsburgh, Pa.
Morgan Construction Co. ("Dyblie" & "Isley" Reversing Valves for Gas & Air), Worcester, Mass.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Pratt & Cady Co. ("P. & C." Gas), Hartford, Conn.
Roots P. H. & F. M. Co., Connersville, Ind.
SMITH GAS ENGNG. CO. ("Smith"), Dayton, Ohio
See adv index at end of book
Steere Engingeering Co., General Motors bldg, Detroit, Mich.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
Weimer Machine Works Co., Lebanon, Pa.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.
Williams J. H. & Co. (Drop-Forged), 31 Richards, Brooklyn, N. Y.

16282— Valves (Bleeder)

Schutte & Koerting Co., 1251 N 12th, Philadelphia, Pa.

16282a—Valves (Block Tinned, Brass & Iron)

Buckeye Iron & Brass Works (Brass & Iron Wuy, etc), Dayton, O.
Edward Valve & Mfg. Co. ("Edward"), Chicago Heights, Chicago, Ill.
Marsh Valve Co., Dunkirk, N. Y.
Nason Mfg. Co., 71 Fulton, New York
See adv index at end of book

16283— Valves (Blow-Off)

American Foundry & Const. Co., 2nd av & Longworth, Pittsburgh, Pa.
Baker Mfg. Corp. ("Baker & Shevlin"), Saratoga Springs, N. Y.
Bashlin Co., Warren, Pa.
Bordo L. J. Co. (For Locomotives, also Blower), 12th & Thompson, Phila., Pa.
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, Ohio
See adv index at end of book
Cadman A. W. Mfg. Co. ("Indestructible" High Pressure, etc), 2816 Smallman, Pittsburgh, Pa.
Chapman Valve Mfg. Co. ("Chapman"), Indian Orchard, Mass.
Coale Muffler & Safety Valve Co., 325 E Oliver, Baltimore, Md.
Coast Supply Co. ("Hercules"), 590H Howard, San Francisco, Cal.
Colonial Supply Co., 217 Water, Pittsburgh, Pa.
See adv index at end of book
CRANE CO. (Boiler & Stationary), 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Crosby Steam Gage & Valve Co. ("Johnstone"), 40 Central, Boston, Mass.
Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
Douds Frank C. & Co. ("Douds"), New Castle, Pa.
Eastwood Wire Mfg. Co. (For Digesters, etc), Belleville, N. J.
Edward Valve & Mfg. Co. ("Edward"), East Chicago, Ind.
Everlasting Valve Co., 49 Fisk, Jersey City, N. J.
Fairbanks Co. ("Sphero"), 416 Broome, New York
Fowden Wm. T. ("Security"), Chester, Pa.
FRICK & LINDSAY CO. (Schiller Seatless, Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Hennebohle Frank, 81st & S Chicago av, Chicago, Ill.
Hoffman B. Mfg. Co., 257 6th, Milwaukee, Wis.
HOMESTEAD VALVE MFG. CO. ("Homestead"), Homestead, Pa.
See adv index at end of book
Illinois Engineering Co., 21st & Racine avs, Chicago, Ill.
Jenkins Bros. (Y or Blow-Off), 80 White, New York
See adv index at end of book
Kelly & Jones Co. ("Y. & Meyers" Pattern), Greensburg, Pa.
See adv index at end of book
Larkin J. K. & Co., 253 B'way, New York
See adv index at end of book
Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.
LUNKENHEIMER CO. ("Duro," "Renewo" Angle & Straightway), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
See adv index at end of book
Lytton Mfg. Corp. ("Lytton"), Franklin, Va.
McRae & Roberts Co., 100 S Campbell av, Detroit, Mich.
MANNING MAXWELL & MOORE INC. (Hancock Inspirator Co. Div.) ("Hancock"), 100 E 42nd, New York
See adv index at end of book
Merrill Co. ("Merco"), 121 2nd, San Francisco, Cal.
Nason Mfg. Co., 71 Fulton, New York
See adv index at end of book
National Supply Co. ("Shaw"), Toledo, O.
Neenah Brass Works, Neenah, Wis.
Nelson Valve Co. (Seatless & Quick Opening), H. Chestnut Hill, Phila., Pa.
O'Malley-Beare Valve Co. ("Multiplate" for Locomotive & Stationary Plants), **Railway Exchange bldg, Chicago, Ill.**
Pittsburgh Gage & Supply Co. ("Pittsburgh"), 30th & Liberty av, Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Powell Wm. Co. ("Cyclone," "White Star," "Powell" & Y), 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Pratt & Cady Co. ("P. & C."), Hartford, Conn.
Richardson-Phenix Co. ("R. P. Nokut"), Milwaukee, Wis.
Robertson Jno. F. Co. ("Robertson"), Park bldg, Pittsburgh, Pa.
Sargent Co. ("E. S. E." for Locomotives), 625 N Jackson blvd, Chicago, Ill.
Schiller Jos. F. ("Nolan"), 316 S Lawrence, Philadelphia, Pa.
Schiller, Nolan & Co. ("Nolan"), Darien & Wood Phila. Pa
Scully Steel & Iron Co. ("Everlasting"), 1127 Continental Bank bldg, Chicago
Shevlin Geo. F. Mfg. Co. ("Baker & Shevlin"), Saratoga Springs, N. Y.
Smolensky M. Mfg. Co., Jasper av & Ridge rd, Cleveland, O.
Star Brass Mfg. Co. ("Renewable"), 53 Oliver, Boston, Mass.
Talmage Mfg. Co., 279 W 3d, Cleveland, O.
Vance Engineering Co. ("Vance"), Phipps Power bldg, Pittsburgh, Pa.
Victory Mfg. Co., Niles, Cal.
Watson & McDaniel Co. ("W. & McD.," Straightway), 146 N 7th, Phila., Pa.
Wickes Boiler Co., Saginaw, Mich.
See adv index at end book
Williams D. T. Valve Co., Cincinnati, O.
Wiltbonco Mfg. Co. ("Freeport"), 24 Porter, Boston, Mass
Yarnall-Waring Co. ("Yarway" & Seatless), Chestnut Hill, Phila., Pa.

16284—Valves (Boiler Feed)

American Foundry & Const. Co., 2nd av & Longworth, Pittsburgh, Pa.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
Edward Valve & Mfg. Co. ("Edward" Boiler Feed Pumps), East Chicago, Ind.
Fairbanks Co., 416 Broome, New York
Frick & Lindsay Co. (Dirs.), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Homestead Valve Mfg. Co. ("Homestead"), Homestead, Pa.
See adv index at end of book
Jenkins Bros., 80 White, New York
See adv index at end of book
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Kennedy Valve Mfg. Co., Elmira, N. Y.
See adv index at end of book
Merrill Co. ("Merco"), 121 2nd, San Francisco, Cal.
Swartwont Co., 18515 Euclid av, Cleveland, Ohio

16285— Valves (Boiler Stop)

Bethlehem Shipbuilding Corporation Ltd., Bethlehem, Pa.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Darling Valve & Mfg. Co., Williamsport, Pa.
Edna Brass Mfg. Co., 528 Reading rd, Cincinnati, O.
Edward Valve & Mfg. Co., East Chicago, Ind.
Frick & Lindsay Co. (Dirs.), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Golden-Anderson Valve Specialty Co. ("Anderson"), Fulton bldg, Pittsburgh, Pa.
Hennebohle Frank, 81st & S Chicago av, Chicago, Ill.
Homestead Valve Mfg. Co. ("Homestead"), Homestead, Pa.
See adv index at end of book
Jenkins Bros. (Jenkins Automatic Equalizing Stop & Check), 80 White, New York
See adv index at end of book
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
See adv index at end of book
McAlear Mfg. Co. (Boiler Stop), 1901 S Western av, Chicago, Ill.
Manning Maxwell & Moore Inc. (Hancock Inspirator Co. Div.) ("Hancock"), 100 E 42nd, New York
See adv index at end of book
Pacific Faucet Mfg. Co., 940 E 60th, Los Angeles, Cal.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Powell Wm. Co. ("Powell White Star" Automatic Non-Return Regulator), 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Williams D. T. Valve Co., Cincinnati, O.
Williams & Wells Co., 253 Fulton, New York. *See adv index at end of book*

16286— Valves (Butterfly)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Foundry & Const. Co., 2nd av & Longworth, Pittsburgh, Pa.
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, O. *See adv index at end of book*
Buckeye Iron & Brass Works, Dayton, O.
Coldwell-Wilcox Co., Newburgh, N. Y.
Commercial Iron Works of L. A. (Irrigation), 2424 Porter, Los Angeles, Cal.
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Hennebohle Frank, 81st & S Chicago av, Chicago, Ill.
Hoffman B. Mfg. Co., 257 6th, Milwaukee, Wis.
Jarecki Mfg. Co., Erie, Pa.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
See adv index at end of book
McNab & Harlin Mfg. Co., Paterson, N. J.
Marshall Foundry Co., 28th & R R, Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. Ry., Pittsburgh, Pa.
Pittsburgh Valve & Fittings Co., Frick bldg., Pittsburgh, Pa.
Powell Wm. Co. ("Powell" Brass & Iron), 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
SCHUTTE & KOERTING CO. ("Schutte" Automatic), 1251 N 12th, Phila., Pa.
See adv index at end of book
Smith Co. S. Morgan, P. O. Box 667, York, Pa.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.

16287— Valves (By-Pass)

Buckeye Iron & Brass Works, 322 E 3rd, Dayton, O. *See adv index at end of book*
Darling Valve & Mfg. Co., Williamsport, Pa.
Edward Valve & Mfg. Co., East Chicago, Ind.
Fairbanks Co., 416 Broome, New York
Ford Thos. P. Co., 407 Broome, New York

(Continued on following page)

Valves (By-Pass)—Continued

GRISCOM-RUSSELL CO. (High Pressure), 92 West, New York
See adv index at end of book
Hydraulic Press Mfg. Co. ("H. P. M." High Pressure Hydraulic), 24 Lincoln av, Mount Gilead, O.
See adv index at end of book
Jarecki Mfg. Co., Erie, Pa.
Jenkins Bros., 80 White, New York
See adv index at end of book
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Kennedy Valve Mfg. Co., Elmira, N. Y.
See adv index at end of book
Lunkenheimer Co., Beekman & Waverly, Cincinnati, O.
See adv index at end of book
Mason Regulator Co. ("Mason"), Dorchester Center, Boston, Mass.
Pacific Faucet Mfg. Co., 940 E 60th, Los Angeles, Cal.
Pittsburgh Valve & Fittings Co., Frick bldg., Pittsburgh, Pa.
Pratt & Cady Co. ("P. & C"), Hartford, Conn.
Reading Steel Casting Co., Reading, Pa.
Walworth Mfg. Co., 82H Pearl, Boston, Mass.

16288—Valves (Carbonic Acid Gas)

Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Homestead Valve Mfg. Co., Homestead, Pa.
See adv index at end of book
McNab & Harlin Mfg. Co., Paterson, N. J.

16289— Valves (Cask)

Deckebach F. C. Sons Co., 123 W Court, Cincinnati, O.

16290— Valves (Check)

Albany Steam Trap Co. ("Blessing"), Albany, N. Y.
American Foundry & Const. Co., 2nd av & Longworth, Pittsburgh, Pa.
American Valve Co. (Swing), Coxsackie, N. Y.
Bashlin Co., Warren, Pa.
Belfield H. Co., 435 N Broad, Phila., Pa.
Bowser S. F. & Co. (for Cylinder Oil Lines), Dept H, Ft. Wayne, Ind.
Boyts Porter & Co., Dept. H, Connellsville, Pa.
Breeze Carbureter Co, 250 South, Newark, N. J.
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, O. *See adv index at end of book*
Chambersburg Engng Co., (Hydraulic) Chambersburg, Pa.
Chapman Valve Mfg. Co., ("Chapman") Indian Orchard, Mass.
Chemical Equipment Co. (Chemical), 2457 S Western av, Chicago, Ill.
Coast Supply Co. ("Hercules"), 590H Howard, San Francisco, Cal.
Coffin Valve Co., Neponset, Boston, Mass.
Coldwell-Wilcox Co., Newburgh, N. Y.
Colonial Supply Co., 217 Water, Pittsburgh, Pa.
See adv index at end of book
Commercial Iron Works of L. A. (Irrigation), 2424 Porter, Los Angeles, Cal.
CRANE CO. (Angle, Cross & Globe), **836 S Michigan av, Chicago, Ill.**
See adv index at end of book
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
Decatur Pump & Mfg. Co., Decatur, Ill.
Detroit Brass & Malleable Works, 1117 Holden, Detroit, Mich.
Detroit Lubricator Co. ("Detroit," "Genuine Detroit" Angle, Vertical & Horizontal), 5938 Trumbull, Detroit, Mich.
Draper Mfg. Co. (Ball Check), Port Huron, Mich.
Eastwood Wire Mfg. Co. (Regrinding), Belleville, N. J.
Eddy Valve Co., Waterford, N. Y.
Edward Valve & Mfg. Co. ("Edward" Vertical & Horizontal), East Chicago, Ind.
Fairbanks Co., 416 Broome, New York
Fewlass-Leen Brass & Iron Co, 610 E Front, Cincinnati, O.
Flower Stephen Mfg. Co., 201 Clayton, Detroit, Mich.
Foster Engineering Co. (Automatic Non-Return Stop), 109 Monroe, Newark, N. J.
French Oil Mill Machinery Co., Piqua, O.
Garratt W. T. & Co., 299H Fremont, San Francisco, Cal.
Globe Automatic Sprinkler Co. ("Globe" Alarm Model E), 2035H Washington av, Phila., Pa.
Golden-Anderson Valve Specialty Co., Ful-ton, bldg, Pittsburgh, Pa.
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
Hall Mfg. Co., Harrison, N. J.
Harris Pump & Supply Co., 318 2d av, Pittsburgh, Pa.
See adv index at end of book
Haydenville Co. ("Peerless" Brass Body), Haydenville, Mass.
Hennebohle Frank (Automatic), 31st & S Chicago av, Chicago, Ill.
Hinman D. A. & Co. ("Enterprise," "Horizontal"), Sandwich, Ill.
Hoffman B. Mfg. Co. (Iron), 257H 6th, Mil-waukee, Wis.
Hoffmann & Billings Mfg. Co., 100 2d, Milwaukee, Wis.
Houghton E. F. Co. ("Vim"), 240 W Somerset, Phila., Pa.
Jenkins Bros. (Swing, Horizontal Angle & Vertical, Differential Impulse, Automatic Equaling, etc.), 80 White, New York *See adv index at end of book*
Jones Jas. Co., 201 Leroy, Los Angeles, Cal.
Kelly & Jones Co. The (Cast Steel, Semi-Steel, Cast Iron & Brass), Greensburg, Pa. *See adv index at end of book*

KENNEDY VALVE MFG. CO., Elmira, N. Y. *See adv index at end of book*

Kinsey & Mahler Co. ("K. & M."), Peoria, Ill
Lagonda Mfg. Co. (Automatic Cutoff), Springfield, O.
Larkin J. E. & Co., 253 B'way, New York
See adv index at end of book
Locke Regulator Co., Salem, Mass.
Lonergan J. E. Co., 311 Race, Phila., Pa.
Long Grate Bar Co ("Geiser," Automatic Water Gauge), White bldg, Buffalo, N. Y.
Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.

LUNKENHEIMER CO. ("Renewo" Ball & Swing). Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
See adv index at end of book

McAlear Mfg. Co., 1901 So. Western av, Chicago, Ill.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
McMann & Taylor Co., 104 John, New York
See adv index at end of book
McNab & Harlin Mfg. Co., Paterson, N. J.

MANNING MAXWELL & MOORE, INC. (Hancock Inspirator Co. Div.) ("Hancock"), 100 E 42nd, New York
See adv index at end of book

Mark Mfg Co., Evanston, Ill.
Max Machine Co. ("K-V"), Clinton, Mass.
Metalwood Mfg. Co., Lieb & Wight, Detroit, Mich.
Milwaukee Valve Co. ("M"), 139 Burrell, Milwaukee, Wis.
Monarch Valve Co. ("Monarch"), 112 Front, Brooklyn, N. Y.
Mueller H. Mfg. Co. (Non-Folding Turbine), Decatur, Ill.
See adv index at end of book
Nason Mfg. Co., 71 Fulton, New York
See adv index at end of book
National Brass Mfg. Co. (Swing Check), Rochester, N. Y.
Neenah Brass Works, Neenah, Wis.
Nelson Valve Co. (Horizontal Cup, Vertical, Swing & Cushioned Stop & Check & Horizontal Check), H, Chestnut Hill, Phila., Pa.
Ohio Brass Co. ("O-B" Bronze), Mansfield, O.
Ohio Injector Co. ("O. I. Co."), Wadsworth, O.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
O'Malley Beare Valve Co. ("Multiplate"), Railway Exchange bldg, Chicago, Ill.
Peck Bros. & Co., New Haven, Conn.
Pittsburgh Piping & Equipment Co., 35th & Charlotte, Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. & V. R. R., Pittsburgh, Pa.

POWELL WM. CO. ("Powell White Star," "Crescent" & "Star" Horizontal Angle, Swing Ball, Vertical, etc.), 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book

Pratt & Cady Co. ("P. & C"), Hartford, Conn.

PRIER WALTER H. CO., 230 E Ohio, Chi-cago, Ill.
See adv index at end of book

Protected Seat Valve Co. ("B. & O."), 707 Peoples Bank bldg., Pittsburgh, Pa.
Reading Steel Casting Co., Reading, Pa.
Rensselaer Valve Co. ("Rensselaer," Horizontal Only), Troy, N. Y.
Richardson-Phenix Co. ("R. P. Nokut"), 131 2d, Milwaukee, Wis.
Robertson Jno. F. Co. ("Robertson" Noiseless), Park bldg, Pittsburgh, Pa.
Ruggles-Klingemann Mfg. Co. (Reverse Floor Bleeder), ("R-K"), Salem, Mass.
San Joaquin Pump Co., 2232 Railroad av, Fresno, Cal.

SCHUTTE & KOERTING CO. ("Schutte" Automatic Emergency Stop Check), 1251 N 12th, Phila., Pa.
See adv index at end of book

Southwark Foundry & Machine Co.., 1128 S 4th, Phila., Pa
See adv index at end of book
Star Brass Mfg. Co. ("Renewable"), 53 Oliver, Boston, Mass.
Stephens Roe Mfg. Co. ("Flower," "Scott," "Rouse"), 1097 McKinley, Detroit, Mich.
Trill Indicator Co., Elm, Corry, Pa.
Walworth Mfg. Co., Boston, Mass.
Watts Regulator Co. ("Watts"), Lawrence, Mass.
Williams D. T. Valve Co., Cincinnati, O.
Williams Wm. E. ("Wew"), 62 Front, New York
Williams & Wells Co., 253 Fulton, New York
See adv index at end of book

16291— Valves (Chimney)

Amsler Morton Co., Hoboken, Pa.
Hartman Co. (For Blast Furnace), 1231 N Front, Phila., Pa.

16292—Valves (Chronometer)

Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Garrett W. D. & Co., 113 E 28th, New York
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
McAlear Mfg. Co., 1901 So Western av, Chicago, Ill.
Ruggles-Klingemann Mfg. Co. (Variable Opening) ("R-K"), Salem, Mass.
Union Water Meter Co. (For Water, Steam, Gas & Pump Regulation), Worcester, Mass.

16292a—Valves (Combined Trip & Throttle)

Schutte & Koerting Co., 1251 N 12th, Phila., Pa.
See adv index at end of book

16293—Valves (Conductors')

Driscoll Wire Co., Shelton, Conn.
Westinghouse Air Brake Co., Pittsburgh, Pa.

16294— Valves (Corner)

Buckeye Iron & Brass Wks. (With or Without Jenkins Disc), Dayton, O.
DUNHAM C. A. CO. (Radiator), 230 E Ohio, Chicago, Ill.
See adv index at end of book
Edward Valve & Mfg. Co., East Chicago, Ind.
Fairbanks Co., 416 Broome, New York
Jenkins Bros., 80 White, New York
See adv index at end of book
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Kennedy Valve Mfg. Co., Elmira, N. Y.
See adv index at end of book
Marsh Valve Co., Dunkirk, N. Y.
PRIER WALTER H. CO. (Radiator), 230 E Ohio, Chicago, Ill.
See adv index at end of book

16295— Valves (Critchlow)

American Foundry & Const. Co., 2nd av & Longworth, Pittsburgh, Pa.
Morgan Engineering Co., Alliance, O.
Pittsburgh Valve, Foundry & Construction Co. (Operating), 26th & A. V. R. R., Pittsburgh, Pa.

16296— Valves (Cross)

Buckeye Iron & Brass Works, 322 E 3rd, Dayton, O. *See adv index at end of book*
Coast Supply Co. ("Hercules"), 590H Howard, San Francisco, Cal.
Crane Co. (Brass & Iron), 836 S Michi-gan av, Chicago, Ill.
See adv index at end of book
Fairbanks Co., 416 Broome, New York
Hoffmann B. Mfg. Co. (Iron Body), 257 6th, Milwaukee, Wis.
Garratt W. T. & Co., 299H Fremont, San Francisco, Cal.
Jarecki Mfg. Co., Erie, Pa.
Jenkins Bros., 80 White, New York
See adv index at end of book
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book

LUNKENHEIMER CO. ("Renewo," "Ferrenewo"). Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*

McNab & Harlin Mfg. Co. (Brass & Iron), Paterson, N. J.
Manning Maxwell & Moore Inc. (Hancock Inspirator Co. Div.) ("Hancock"), 100 E 42nd, New York
See adv index at end of book
Milwaukee Valve Co. ("M," Brass), 139 Burrell, Milwaukee, Wis.
O'Malley-Beare Valve Co. ("Multiplate"), Railway Exchange bldg., Chicago, Ill.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Powell Wm. Co. ("Powell White Star," "Model Star" & "Crescent"), 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Pratt & Cady Co. ("P & C"), Hartford, Conn.
Star Brass Mfg. Co., 53 Oliver, Boston, Mass.
Walworth Mfg. Co., 82H Pearl, Boston, Mass.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.
Williams Wm. E. ("Wew"), 62 Front, New York
Williams & Wells Co., 253 Fulton, New York. *See adv index at end of book*

16297— Valves (Cut-off)

Capitol Brass Works, 2306 Franklin, Detroit, Mich.
CASH CO., A. W. (Automatic), Dept. H, P. O. Box 135, Decatur, Ill.
See adv index at end of book


Fig. 57

KENNEDY

Valves, Hydrants, Fittings


Fig. 27

Because of the wide range in which they are made—for steam, oil, gas, water, etc., and in sizes up to 60-inch diameter—there is no valve requirement that Kennedy valves will not fill.

Forty-six years' experience and progressive designing are behind the Kennedy product.

600 types and sizes in which Kennedy products are supplied include fire hydrants, cast iron flanged and malleable iron and brass screwed pipe fittings. They are fully listed in the new Kennedy catalog. Their construction, points of special goodness, and detailed information regarding their application are listed in this book, which should be on the desk of every valve, hydrant and pipe fitting user.


Fig. 61


Fig. 150

THE KENNEDY VALVE MFG. CO.

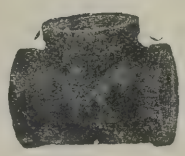
Elmira, New York

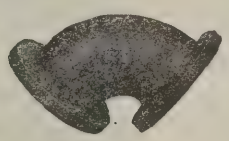
Sales Offices

Salt Lake City, 222 Dooly Bldg.
El Paso, 1103 Noble St.
Seattle, 250 Central Bldg.
Kansas City, Mo., 411 American Bank Bldg.
Los Angeles, 723 Title Insurance Bldg.
Philadelphia, Hotel Vendig

Branches and Warehouses

New York: 95 John St.
Chicago: 228 N. Jefferson St.
Boston: 47 India St.
San Francisco: 23-25 Minna St.


Fig. 312


Fig. 200

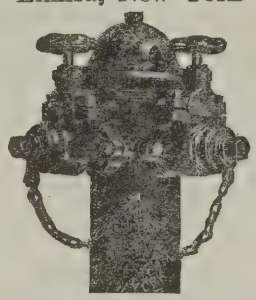

Fig. 108


Fig. 105


Fig. 103

Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Jarecki Mfg. Co., Erie, Pa.

LUNKENHEIMER CO. Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*

OVEN EQUIPMENT & MFG. CO. (Automatic for Gas Burners), P. O. Box 1923, New Haven, Conn. *See adv index at end of book*

Powell Wm. Co., 2525 Spring Grove av, Cincinnati, O. *See adv index at end of book*

Western Brass Mfg. Wks. ("Rudie"), Marshall blvd. & 21st, Chicago, Ill.

16298—Valves (Cylinder Operated)

Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn. *See adv index at end of book*

Edward Valve & Mfg. Co., East Chicago, Ind.

Jenkins Bros. (Electrically Remote Control), 80 White, New York *See adv index at end of book*

KENNEDY VALVE MFG. CO., Elmira, N. Y. *See adv index at end of book*

Lunkenheimer Co., Beekman & Waverly, Cincinnati, O. *See adv index at end of book*

Pittsburgh Valve, Foundry & Construction Co. ("Stuart" Two Pressure), 26th & A. V. R. R., Pittsburgh, Pa.

Ross Valve & Mfg. Co. (Pusher), 4610 Woodward av, Detroit, Mich.

16299—Valves (Diaphragm Reducing)

Cash Co., A. W., Dept. H, P. O. Box 135, Decatur, Ill. *See adv index at end of book*

Hennebohle Frank, 81st & S Chicago av, Chicago, Ill.

Mason Regulator Co. ("Mason"), Dorchester Center, Boston, Mass.

POWERS REGULATOR CO., 2773 Greenview av, Chicago, Ill. *See adv index at end of book*

Ross Valve Mfg. Co., 9 Oakwood av, Troy, N. Y.

S. O. Regulator Mfg. Co., Fostoria, O.

Watson & McDaniel Co. ("Watson"), 146 N 7th, Phila., Pa.

Witt G. E. Co., 862 Howard, San Francisco, Cal.

16299a—*Valves (Duplex Marine)

MANNING MAXWELL & MOORE, INC. (Consolidated Safety Valve Co. Div.), (Pop Safety), 100 E 42nd, New York *See adv index at end of book*

16299b—Valves (Electric Trip Throttle)

Edward Valve & Mfg. Co., East Chicago, Ind.

Schutte & Koerting Co., 1251 N 12th, Phila., Pa. *See adv index at end of book*

16300—Valves (Electrically Operated)

California Well Tool & Machine Works ("Marks" Magnetic Valve for Gas Control), 1033 Alhambra, Los Angeles, Cal.

Chapman Valve Mfg. Co., ("Chapman") Indian Orchard, Mass.

Coldwell-Wilcox Co., Newburgh, N. Y.

Crane Co., 836 S Michigan av, Chicago, Ill. *See adv index at end of book*

Darling Valve & Mfg. Co., foot Walnut, Williamsport, Pa.

Elec. Water Sterilizer & Ozone Co., Scottdale, Pa.

Fuller-Lehigh Co., Fullerton, Pa. *See adv index at end of book*

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*

Gold Car Heating & Lighting Co., 17 Battery pl, New York

Jenkins Bros., 80 White, New York *See adv index at end of book*

KENNEDY VALVE MFG. CO., Elmira, N. Y. *See adv index at end of book*

Locke Regulator Co. ("Locke" Engine), Salem, Mass.

Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.

Lunkenheimer Co., Beekman & Waverly, Cincinnati, O. *See adv index at end of book*

Nelson Valve Co., H, Chestnut Hill, Phila., Pa.

Payne Furnace & Supply Co. ("Hi-Lo" Electric Controls), 153-60 N Los Angeles, Los Angeles, Cal.

Pratt & Cady Co. ("P & C"), Hartford, Conn.

Reading Steel Casting Co., Reading, Pa.

Rensselear Valve Co. ("Rensselear"), Dept H, Troy, N. Y.

Unit System of Heating Mfg. Co. ("Magic Way" for Gas Furnaces), 1502 E Washington, Los Angeles, Cal.

16301—Valves (Emergency)

Cash A. W. Co., Dept. H, P. O. Box 135, Decatur, Ill. *See adv index at end of book*

Davis G. M. Regulator Co. ("Davis" Stop), 434 Milwaukee av, Chicago, Ill.

Edward Valve & Mfg. Co. (Non-Return), East Chicago, Ind.

Foster Engineering Co. (Boiler Safety Stop Combination or 4 Duty), 109 Monroe, Newark, N. J.

Garrett W. O. & Co. (Boiler Shut-Off), 118 E 28th, New York

LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*

National Brake & Electric Co. (And Variable Release, "National" for Electric Cars), ft. Belleview pl, Milwaukee, Wis.

Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.

Schutte & Koerting Co., 1251 N 12th, Phila., Pa, *See adv index at end of book*

16302-3—Valves (Engine & Tank)

Buckeye Iron & Brass Works, 322 E 3rd, Dayton, O. *See adv index at end of book*

Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*

Crane Co. (Automatic Stop Engine), 836 S Michigan av, Chicago, Ill. *See adv index at end of book*

Detroit Brass & Malleable Works, 1177 Holden, Detroit, Mich.

Edward Valve & Mfg. Co., East Chicago, Ind.

Handlan-Buck Mfg. Co. ("Cotter's"), 210-14 N. 3d. St. Louis, Mo.

Hennebohle Frank, 81st & S Chicago av, So. Chicago, Ill.

Hoffmann B. Mfg. Co. (Three-Way Engine), 357 6th, Milwaukee, Wis.

Homestead Valve Mfg. Co., Homestead, Pa. *See adv index at end of book*

Kelly & Jones Co. The, Greensburg, Pa. *See adv index at end of book*

Searles Electric Welding Works (Engine), 821 W Washington blvd, Chicago, Ill.

Watts Regulator Co. ("Watts"), Lawrence, Mass.

16304— Valves (Exhaust)

Baker Ice Machine Co. (Automatic), Omaha, Neb.

Barco Brass & Joint Co. (Automobile), 213 W Illinois, Chicago, Ill.

(Continued on following page)

Valves (Exhaust)—Continued

Cash A. W. Co. (Relief), Dept. H, P. O. Box 135, Decatur, Ill.
See adv index at end of book
Chapman Valve Mfg. Co., ("Chapman") Indian Orchard, Mass.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Crane Co. (Relief), 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Fairbanks Co., 416 Broome, New York
Ford-Clark Co., 2214 Clarkwood rd, Cleveland, O.
Foster Engineering Co. (Free Exhaust), 109 Monroe, Newark, N. J.
Hennebohle Frank, 81st & S Chicago av, So. Chicago, Ill.
Jenkins Bros., 80 White, New York
See adv index at end of book
Kennedy Valve Mfg. Co., Elmira, N. Y.
See adv index at end of book
Mead-Morrison Mfg. Co. ("Three-Way"), cor Prescott & Orleans, East Boston, Mass.
Pierce, Butler & Pierce Mfg. Corp., 487 E 162nd, New York
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Pratt & Cady Co. ("P & C"), Hartford, Conn.
Schutte & Koerting Co. ("Schutte" Free Exhaust), 1251 N 12th, Phila., Pa.
See adv index at end of book



For atmospheric relief connection on exhaust line to condenser. Vacuum tight; automatic in action. See also Valves (Pressure Reducing). *Catalog 8-E.*

SCHUTTE & KOERTING CO.
1251 North 12th Street
Philadelphia, Pa.

Western Brass Mfg. Wks., Marshall blvd & 21st, Chicago, Ill.

16304a—Valves (Exhaust Turbine)

Chapman Valve Co. ("Chapman"), Indian Orchard, Mass.
Crane Co., 836 S Michigan av, Chicago, Ill.
For branch offices see adv index at end of book
KENNEDY VALVE MFG. CO., Elmira, N. Y. *See adv index at end of book*
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.

16305-6— Valves (Fibre)

See also Fibre Manufacturers, Hard

Capitol Brass Works, 2306 Franklin, Detroit, Mich.
Continental Fibre Co. (Vulcanized Fibre), Newark, Del.
DELAWARE HARD FIBRE CO., Wilmington, Del. (Works: Marshalltown, Del.)
See adv index at end of book
Diamond State Fibre Co., Dept. 37, Bridgeport, Conn
See adv index at end of book
Iten Fibre Co., 2358 E 67th, Cleveland, O.
See adv index at end of book
National Vulcanized Fibre Co., Beech & Maryland av, Wilmington, Del.
See adv index at end of book
Spaulding Fibre Company, Inc. (Hard Fibre), Tonawanda, N. Y.
See adv index at end of book
Wilmington Fibre Specialty Co. (Vulcanized), Wilmington, Del.

16307— Valves (Flap)

Coldwell-Wilcox Co., Newburgh, N. Y.
Columbian Iron Works ("Columbian"), 811 Boyce, Chattanooga, Tenn.
Harris Pump & Supply Co., 318 2d av, Pittsburgh, Pa.
See adv index at end of book
Jenkins Bros., 80 White, New York
See adv index at end of book
Ludlow Valve Mfg. Co. (For Sewers), ft. of Adams, Troy, N. Y.

16308— Valves (Float)

Atlas Valve Co., 282 South, Newark, N. J.
Beaton & Cadwell Mfg. Co. ("Gem No. 4," "Welby Special," "Jumbo," "Perfection"), New Britain, Conn.
Butler Co., Butler, Ind.
Caldwell W. E. Co., Louisville, Ky.
Commonwealth Brass Corp. (Gasoline), 5781 Commonwealth av & Ry, Detroit, Mich.
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
DAVIS G. M. REGULATOR CO. ("Davis"), 434 Milwaukee av, Chicago, Ill.
Detroit Metal Spinning Co., 625H Monroe av, Detroit, Mich.
Eddy Valve Co. (Automatic Balance), Waterford, N. Y.
Elec. Water Sterilizer & Ozone Co., Scottdale, Pa.
Fairbanks Co., 416 Broome, New York
Fairbanks Morse & Co., 900 S Wabash av, Chicago, Ill.
Flint & Walling Mfg. Co. "Hoosier" (For Tanks), Kendallville, Ind.
Foster Engineering Co. (Auxiliary & Direct Acting Type), 109 Monroe, Newark, N. J.
Golden-Anderson Valve Specialty Co. ("Anderson" Automatic), Fulton bldg, Pittsburgh, Pa.
Hayes Pump & Planter Co. ("The Enterprise"), Galva, Ill.
Hennebohle Frank, 81st & S Chicago av, So. Chicago, Ill.
Hinman D. A. & Co. ("Enterprise" Railroad & Tank), Sandwich, Ill.
Homestead Valve Mfg. Co. ("Homestead"), Homestead, Pa.
See adv index at end of book
Illinois Engineering Co. ("Eclipse"), W 21st & Racine aves Chicago, Ill.
Klipfel Mfg. Co. ("K. & T."), 2651 W Harrison, Chicago, Ill.
Larkin J. K. & Co., 253 B'way, New York
See adv index at end of book
Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.
McAlear Mfg. Co. (For Cold or Hot Water), 1901 So. Western av, Chicago, Ill.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
McMann James R. Co., 56 Gold, New York
Mason Regulator Co. ("Mason"), Dorchester Center, Boston, Mass.
Midland Brass Wks. (Stock Watering), Dept. H, Fort Worth, Texas.
Modern Iron Wks., Quincy, Ill.
Pittsburgh Valve & Fittings Co., Frick bldg., Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Red Jacket Mfg. Co., E 3rd, Davenport, Ia.
Ruggles-Klingemann Mfg. Co. (For Tank Service) ("R-K"), Salem, Mass.
Schutte & Koerting Co., 1251 N 12th, Phila., Pa. *See adv index at end of book*
Simmons John Co., 110 Centre, New York
See adv index at end of book
Swartwout Co., 18515 Euclid av, Cleveland, Ohio
Watts Regulator Co. ("Watts"), Lawrence, Mass.
Western Mfg. Co. ("Iowa"), Oskaloosa, Ia.

16309— Valves (Flushing)

ACHESON MFG. CO. (Syphon), Rankin, Pa. *See adv index at end of book*
American Pin Co. (Syphon), Waterbury, Conn.
Boston Brass Co. ("B. B."), 135 Bacon, Waltham, Mass.
Cleveland Flush Meter Co. ("Cleveland" Push Button & Lever Action Flush Meter), 118 Noble ct., Cleveland, O.
Columbus Brass Co., 620 Dublin av, Columbus, Ohio
See adv index at end of book
Dalton-Ingersoll Mfg. Co., 365 Atlantic, Boston, Mass.
Dececo Co. ("Carson," "N-B," "D-C"), 76 Battery March, Boston, Mass.
Detroit Plumbing Supply Co., 617 Mack av, Detroit, Mich.
Edwardsville Brass Co., Edwardsville, Ill.
Eichman J C. Mfg. Co., Bush & Wicomico, Baltimore, Md.
Excelovalve Co. ("Excel-O-Valve"), 250 W 57th, New York
Exeter Brass Works ("N. H."), Exeter, N. H.
Federal-Huber Co., 234 N Halsted, Chicago, Ill.
Flushovalve Co. ("Flush-O-Valve"), 245 Centre, New York
Frost Mfg. Co. ("Frost" Low-Down Closet, etc), Kenosha, Wis.
Haas Philip Co. ("Haas"), Dayton, O.
Haines, Jones & Cadbury Co., 1136 Ridge av, Philadelphia, Pa.
Heap Wm. & Sons (Syphon), Grand Haven, Mich.
Hedges & Bros., Inc. ("Pilot"), 107 South, Newark, N. J.
Hinman D. A. & Co. ("Enterprise"), Sandwich, Ill.
Humphryes Mfg. Co., Mansfield, O.
IMPERIAL BRASS MFG. CO. ("Watrous"), 1200 W. Harrison, Chicago, Ill.
Jenkins Mfg. Co. ("Novio"), Bloomfield, N. J.
Lutz Ferdinand, 555 W Broadway, New York
McCambridge Co., 315 N. 20th, Philadelphia, Pa.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
McShane Bell Foundry Co., ("Rob") Harford av & B. & O. R. R., Baltimore, Md.
Miller Chas. A. Co. (Low-Down Closet), Sturgis, Mich.
Milwaukee Flush Valve Co., 111 Reservoir, Milwaukee, Wis.
Morency-Van Buren Mfg. Co. ("M. V. B."), Sturgis, Mich.
Mott J. L. Iron Works, Trenton, N. J.
Murphy Specialty Co. ("Murphy"), 90-2ad, Milwaukee, Wis.
Murray & Sorensen ("Unit"), 227 W. 17th, New York
Nelson N. O. Mfg. Co., 19th & Chestnut, St. Louis, Mo.
Park & McKay, 55 Bagley av, Detroit, Mich
Republic Mfg. Co. ("Republic" Oil Regulated), 1100 W 38th, Chicago, Ill.
Robertshaw Mfg. Co., Youngwood, Pa.
Rumsey L. M. Mfg. Co., 4373 Westminster, St. Louis, Mo.
Sanitas Mfg. Co. ("Sanitas"), 105 Washington, Boston, Mass.
Scott Lyman & Stack ("Sacramento" Toilet Valve), 419 J, Sacramento, Cal.
Schroeder Flush Valve Co. (Schroeder Direct Flush), 1300 N Main, Los Angeles, Cal.
Single Faucet & Flush Valve Co. ("Kelmor"), 617 W Jackson blvd, Chicago, Ill.
Sloan Valve Co. ("Sloan"), 4300 W Lake, Chicago, Ill.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Street & Kent Mfg. Co., 1956 Clybourn, Chicago, Ill.
Teck Mfg. Co., 3801 N Ashland, Chicago, Ill.
Trill Indicator Co., Dept H, Corry, Pa.
Union Brass & Metal Mfg. Co., Lawson & Mackubin, St. Paul, Minn.
White Flushing Valve Mfg. Co., 4023 Walnut, Denver, Colo.
Wolverine Brass Works ("Wolverine"), Grand Rapids, Mich.

16310— Valves (Foot)

Abendroth & Root Mfg. Co. (Galvanized Flanged), Newburgh, N. Y.
See adv index at end of book
American Foundry & Const. Co., 2d av & Longworth, Pittsburgh, Pa.
AM. SPIRAL PIPE WORKS (Also Valve & Strainer Combined), Box 485, Chicago, Ill., & 50 Church, New York
See adv index at end of book
Belfield H. Co., 435 N Broad, Phila., Pa.
Brown A. & F. Co. ("Newman" Patent Continuous Service), 79 Barclay, New York
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, O. *See adv index at end of book*
Butler Co., Butler, Ind.
Cash A. W. Co., Dept. H, P. O. Box 135, Decatur, Ill.
See adv index at end of book
Coffin Valve Co., Neponset, Boston, Mass.
Crane Co. (Brass & Iron), 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Darling Valve & Mfg. Co., Ltd., Williamsport, Pa.
Decatur Pump & Mfg. Co., Decatur, Ill.
Eddy Valve Co., Waterford, N. Y.
Emerson Pump & Valve Co. ("Emerson" Quick Cleaning), Alexandria, Va.
Engineers Appliance Co. ("Hydromatic" for Water Works, etc), Cleveland, O.
Flower-Stephens Mfg. Co., 201 Clayton, Detroit, Mich.
General Ceramics Co. (Stoneware), 50 Church, New York
Harris Pump & Supply Co., 318 2d av, Pittsburgh, Pa.
See adv index at end of book
Hennebohle Frank, 81st & S Chicago av, So. Chicago, Ill.
Hoffmann B. Mfg. Co. (Volves & Strainers), 257 6th, Milwaukee, Wis.
Hoffmann-Billings Mfg. Co., 100 2d, Milwaukee, Wis.
Jarecki Mfg. Co., Erie, Pa.
Kelly & Jones Co. (Brass, Iron & Iron Body), Greensburg, Pa.
See adv index at end of book
Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.
McMann & Taylor Co., 104 John, New York
See adv index at end of book
McNab & Harlen Mfg. Co. (Foot Valve & Strainer), Paterson, N. J.
Mark Mfg. Co., Evanston, Ill.
Nason Mfg. Co., 71 Fulton, New York
See adv index at end of book
Newbury J. H., Goshen, N. Y.
Newman Mfg. Co. ("Newman" Continuous Service), 79 Barclay, New York
Pancoast H. B. Co. (Combined Foot Valve & Strainer), 950 N Front, Phila., Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A V RR., Pittsburgh, Pa.
Stein John J. (Steel Riveted Flanged), 50 Clay, Brooklyn, N. Y.
Stephens Roe Mfg. Co. ("Flower"), 1097 McKinley, Detroit, Mich.
Threaded Products Co. (Gasoline), 8th & Carlton, Berkeley, Cal.

16311-2—Valves (Foot Action, for Drinking Fountains)

Speakman Supply & Pipe Co., Wilmington, Del.

Valves (Gas)

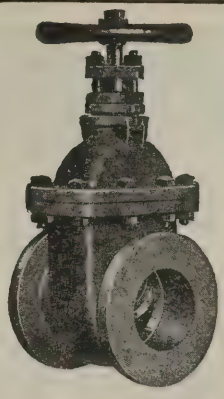
See Valves, Blast & Gas

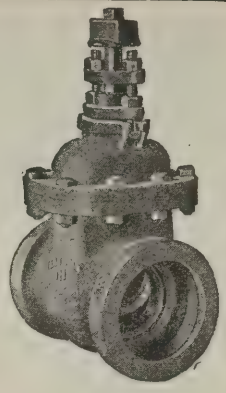
16313— Valves (Gas Log)

Crane Co. (Brass), 836 S. Michigan av, Chicago, Ill.
See adv index at end of book
Hays Mfg. Co., Erie, Pa
See adv index at end of book
Jenkins Bros., 80 White, New York
See adv index at end of book
Kelly & Jones Co., Greensburg, Pa.
See adv index at end of book
McNab & Harlin Mfg. Co., Paterson, N. J.



IRON GATE BODY VALVES





MANUFACTURED BY

ILLINOIS MALLEABLE IRON CO. 1801 Diversey Parkway **Chicago, Ill.**

Simmons John Co., 110 Centre, New York
See adv index at end of book

16314— Valves (Gas Main)

American Foundry & Const. Co., 2nd av & Longworth, Pittsburgh, Pa.
Bate Wm. T. & Son, Conshohocken, Pa.
Beaumont Valve & Hydrant Works, Kankakee, Ill.
Bowler Foundry Co., 1688 Columbus, Cleveland, O.
Chapman Valve Mfg. Co. ("Chapman"), Indian Orchard, Mass.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Crane Co. (Iron & Brass), 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
Eddy Valve Co., Waterford, N. Y.
Frick & Lindsay Co. (Dirs.), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Gas Machinery Co., 1900 Euclid av, Cleveland, O.
Hoffman B. Mfg. Co., 257 6th, Milwaukee, Wis.
Jones Jas. Co., 201 Leroy, Los Angeles, Cal.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Kennedy Valve Mfg. Co., Elmira, N. Y.
See adv index at end of book
Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McMann James R. Co., 56 Gold, New York
Merrill Co. ("Merco"), 121 2nd, San Francisco, Cal.
Nelsen Valve Co., Chestnut Hill, Phila., Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Price Corcoran Pfister Co. ("P. C. P."), 2923 Humboldt, Los Angeles, Cal.
Rensselear Valve Co. ("Rensselear"), Dept H, Troy, N. Y.
Stephens Roe Mfg. Co., 1097 McKinley, Detroit, Mich.
Walworth Mfg. Co., 82H Pearl, Boston, Mass.
Western Gas Construction Co., 1431 Buchanan, Fort Wayne, Ind.

16315—Valves (Gas or Coke Oven)

Blaw-Knox Co. (Water Cooled), Freeport rd, Hoboken, Pa.
Crane Co. (Brass), 836 S Michigan av, Chicago, Ill. *See adv index at end of book*
Hays Mfg. Co., Erie, Pa.
See adv index at end of book
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Kennedy Valve Mfg. Co. (Light all Iron Gate With Steel Stem), Elmira, N. Y.
See adv index at end of book
McNab & Harlin Mfg. Co., Paterson, N. J.
Pittsburgh Gage & Supply Co. ("Pittsburgh"), 30th & Liberty av, Pittsburgh, Pa.
Pittsburgh Valve & Fittings Co., Frick bldg., Pittsburgh, Pa.
Powell Wm. Co., 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
SMITH GAS ENGINEERING CO. ("Smith"), Dayton, Ohio
See adv index at end of book
Swindell Wm. & Bros., Jenkins Arcade bldg., Pittsburgh, Pa.
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, O.
Western Gas Construction Co., 1431 Buchanan, Fort Wayne, Ind.
Williams D. T. Valve Co., Cincinnati, O.

16315a—Valves (Gas Producer Plant)

Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Kennedy Valve Mfg. Co., Elmira, N. Y.
See adv index at end of book
Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.
Reading Valve & Fitting Co., Reading, Pa.
SMITH GAS ENGINEERING CO. ("Smith"), Dayton, Ohio
See adv index at end of book

16316—Valves (Gas, Safety)

Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Hennebohle Frank, 31st & S Chicago av, So. Chicago, Ill.
LUNKENHEIMER CO. Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
See adv index at end of book
Smith Gas Engng. Co. ("Smith"), Dayton, Ohio
Smolensky M. Mfg. Co., Jasper av & Ridge rd, Cleveland, O.

16317—Valves (Gas Shut-off)

Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Hennebohle Frank, 31st & So Chicago av, Chicago, Ill.
Reading Valve & Fitting Co., Reading, Pa.
Schroeder Edward Lamp Works (Automatic), 716 Jersey av, Jersey City, N. J.
Shogren & Rasmussen Co. ("Shogrens" Metal), 1926 S 52nd av, Chicago, Ill.

16318—Valves (Gas, Siemen)

Amsler Morton Co., Hoboken, Pa.
Cox & Sons Co., Water & Hampton, Bridgeton, N. J.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.

16319— Valves (Gate)

Albany Steam Trap Co. ("Blessing"), Albany, N. Y.
American District Steam Co. (Packless Iron & Brass Body), North Tonawanda, N. Y.
American Foundry & Const. Co., 2nd av & Longworth, Pittsburgh, Pa.
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Valve Co., Coxsackie, N. Y.
Argo-Vines Mfg. Co., 2446 E 52nd, Los Angeles, Cal.
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, O. *See adv index at end of book*
Capitol Brass Works, 2306 Franklin, Detroit, Mich.
Cayuta Mfg. Co. (For Steam, Gas & Oil), Sayre, Pa.
Chapman Valve Mfg. Co. ("Chapman"), Indian Orchard, Mass.
Coffin Valve Co., Neponset, Boston, Mass.
Coldwell-Wilcox Co. ("Wilcox"), Newburgh, N. Y.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Columbian Iron Works ("Columbian"), 811 Boyce, Chattanooga, Tenn.
Continental Supply Co., Post-Dispatch bldg, St. Louis, Mo.
Continental Pipe Mfg. Co., Tacoma, Wash.
CRANE CO. (Brass, Iron or Steel), 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Crozier R. J. Co. (Dirs.), 10H S 18th, Phila., Pa.
Darling Valve & Mfg. Co. (Ltd.), (Brass, Iron Body and all Iron), Williamsport, Pa.
Detroit Brass & Malleable Works (Pressure), 1177 Holden, Detroit, Mich.
Detroit Lubricator Co. ("Detroit"), Detroit, Mich.
Donovan R. J. Co., 217 Pearl, New York
Eddy Valve Co. ("Eddy" Parallel & Taper Seat), Waterford, N. Y.
Eureka Brass Works ("Eureka" Brass Straightway), 1040 Hulbert av, Cincinnati, O.
Fairbanks Co. (Brass & Iron), 416H Broome, New York
Flower-Stephen Mfg. Co., 201 Clayton, Detroit, Mich
FRICK & LINDSAY CO. (Williams Brass, Dealers), Sandusky & Robinson, Pittsburgh, Pa. *See adv index at end of book*
Glamorgan Pipe & Foundry Co., Lynchburg, Va.
Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, O.
Garrett W. T. & Co. ("Garratt Cleanout"), 299H Fremont, San Francisco, Cal.
Greenberg's M. & Son, Folsom & Alice, San Francisco, Cal.
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
Harris Pump & Supply Co., 318 2d av, Pittsburgh, Pa.
See adv index at end of book
Harvey's A. Sons Mfg. Co., Detroit, Mich.
Hoffman B. Mfg. Co. (Brass & Iron), 257H 6th, Milwaukee, Wis.
ILLINOIS MALLEABLE IRON CO., 1801 Diversey blvd, Chicago, Ill.
See adv index at end of book
Iowa Valve Co., Oskaloosa, Ia.
JENKINS BROS. (Brass Iron Body & Cast Steel), 80 White, New York
See adv index at end of book
Jones Jas. So., 201 Leroy, Los Angeles, Cal.
KELLY & JONES CO. THE (Our line of gate valves is complete, can be furnished in any size in Brass, Iron Body or Steel for any purpose), Greensburg, Pa.
See adv index at end of book



BRASS GATE VALVES

Wedge or Peet Patterns
The most complete line on the market. For all pressures up to 1000 lbs.

The Kelly & Jones Co.
GREENSBURG, PA.

KENNEDY VALVE MFG. CO. (Iron, Brass & Bronze), Elmira, N. Y.
See adv index at end of book
Larkin J. K. & Co., 253 B'way, New York
See adv index at end of book
Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.
Lunkenheimer Co. ("Clip" & "Handy"), Beekman & Waverly, Cincinnati, O.
See adv index at end of book
McMann James R. Co., 56 Gold, New York
McMANN & TAYLOR CO., 104 John, New York. *See adv index at end of book*
McNab & Harlin Mfg. Co., Paterson, N. J.
MANNING MAXWELL & MOORE INC. (Hancock Inspirator Co. Div.) ("Hancock"), 100 E 42nd, New York
Marsh Valve Co. (Steam System), Dunkirk, N. Y.
Martin Iron Works ("K.T." Irrigation), 1222 E 28th, Los Angeles, Cal.

(Continued on following page)

Valves (Gate)—Continued

Milwaukee Valve Co. ("M." Brass), 139 Burrell, Milwaukee, Wis.
Moyle E. H. Engineering & Equip. Co. ("Moyle" for Cyanide Plants), 4324 S Main, Los Angeles, Cal.
Nason Mfg. Co., 71 Fulton, New York
See adv index at end of book
National Valve & Mfg. Co., 31st & Liberty, Pittsburgh, Pa.
Nelson Valve Co. (Brass, Iron & Steel), Harrison bldg., Phila., Pa.
Newman Mfg. Co. (Continuous Service), 79 Barclay, New York
Ohio Brass Co. ("O-B" Bronze), **Mansfield, O.**
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Pelton Water Wheel Co., 19th & Harrison, San Francisco, Cal., & 890 West, New York
Pittsburgh Piping & Equipment Co., 35th & Charlotte, Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Pittsburgh Valve & Fittings Co. ("Pittsburgh"), Frick bldg, Pittsburgh, Pa.
Pomona Mfg. Co., Pomona, Cal.
Powell Wm. Co. ("U. S.," "Pilot," "Star," "White Star" Brass & Iron Body), 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Pratt & Cady Co. ("P. & C."), Hartford, Conn.
Price-Corcoran-Pfister Co. ("P. C. P."), 2923 Humboldt, Los Angeles, Cal.
Rensselear Valve Co. ("Rensselear"), Dept H, Troy, N. Y.
Rickersberg Brass Co., Perkins & E 37th, Cleveland, O.
Schwander Brass Mfg. Co., 823 N 8th, St. Louis, Mo.
Schutte & Koerting Co., 1251 N 12th, Phila., Pa. *See adv index at end of book*
Seattle Brass Co., 4001 7th av S, Seattle, Wash.
Simmons John Co., 110 Centre, New York
See adv index at end of book
Smith A. P. Mfg. Co., E Orange, N. J.
Smith Co., S Morgan, P. O. Box 667, York, Pa.
Star Brass Mfg. Co. ("Monogram"), 53 Oliver, Boston, Mass.
Steere Engineering Co., 7342H Woodward, Detroit, Mich.
Stephens, Roe Mfg. Co. (Scott's High Pressure, etc), 1097 McKinley, Detroit, Mich.
Strong, Carlisle & Hammond Co., 336-344 Frankfort av, N W, Cleveland, O.
Walworth Mfg. Co., Boston, Mass.
Westcott Valve Co., Inc. (Drilling), Water, Seneca Falls, N. Y.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.
Wheeler C. H. Mfg. Co. ("Wheeler Exhaust"), Lehigh av & 18th, Phila., Pa.
Williams D. T. Valve Co. (Quick Opening in Brass, Medium & Heavy Pattern), Spring Grove av, Cincinnati, O.
Williams Wm. E. ("Wow"), 62 Front, New York
Williams & Wells Co., 253 Fulton, New York *See adv index at end of book*

16320— Valves (Gate, for Water Mains)

American Foundry & Construction Co., 2nd av & Longworth, Pittsburgh, Pa.
Beaumont Valve & Hydrant Works, Kankakee, Ill.
Bourbon Copper & Brass Works, Cincinnati, O.
Cayuta Mfg. Co., Sayre, Pa.
Chapman Valve Mfg. Co. ("Chapman"), Indian Orchard, Mass.
Coffin Valve Co., Neponset, Boston, Mass.
Coldwell-Wilcox Co., Newburgh, N. Y.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Columbian Iron Works ("Columbian"), 811 Boyce, Chattanooga, Tenn.
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
Eddy Valve Co., Waterford, N. Y.
Fairbanks Co., 416 Broome, New York
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Iowa Valve Co., Oskaloosa, Ia.
Jenkins Bros., 80 White, New York
See adv index at end of book
Jones Jas. Co., 201 Leroy, Los Angeles, Cal.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Kennedy Valve Mfg. Co. ("Newtype"), Elmira, N. Y. *See adv index at end of book*
Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.
Lunkenheimer Co., Beekman & Waverly, Cincinnati, O.
See adv index at end of book
McMann & Taylor Co., 104 John, New York
See adv index at end of book
Marsh Valve Co., Dunkirk, N. Y.
Nelson Valve Co., Harrison bldg., Phila., Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Pratt & Cady Co. ("P. & C."), Hartford, Conn.
Rensselear Valve Co. ("Rensselear"), Dept H, Troy, N. Y.
Simmons John Co., 110 Centre, New York
See adv index at end of book
Smith A. P. Mfg. Co., E Orange, N. J.
South Park Foundry & Machine Co., St. Paul, Minn.
Stephens Roe Mfg. Co. ("Scott's" High Pressure, etc), 1097 McKinley, Detroit, Mich.
Walworth Mfg. Co., Boston, Mass.

16321— Valves (Geared)

Darling Valve & Mfg. Co., Williamsport, Pa.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Kennedy Valve Mfg. Co., Elmira, N. Y.
See adv index at end of book
Lunkenheimer Co., Beekman & Waverly, Cincinnati, O.
See adv index at end of book
Pilliod Co. ("Baker"), 30 Church, New York
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Walworth Mfg. Co., 32H Pearl, Boston, Mass.

16322— Valves (Generator)

Burdett Mfg. Co., 309 St. John's Court, Chicago, Ill.
Larkin J. K. & Co., 253 Broadway, New York. *See adv index at end of book*
LUNKENHEIMER CO. ("Nonpareil"), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
See adv index at end of book
Powell Wm. Co. ("Adjusto"), 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Wilkinson W. H. Co., Inc., West Medway, Mass.
Williams D. T. Valve Co., Cincinnati, O.
Williams & Wells Co., 253 Fulton, New York *See adv index at end of book*

16323—Valves (Globe & Angle)

American Foundry & Construction Co., 2nd av & Longworth, Pittsburgh, Pa.
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Valve Co., Coxsackie, N. Y.
Bashlin Co., Warren, Pa.
Beaton & Cadwell Mfg. Co., ("Jumbo," "Perfection"), New Britain Conn.
Belfield H. Co., 435 N Broad, Phila., Pa.
Belknap Mfg. Co., 800 Union av, Bridgeport, Conn.
Bethlehem Shipbuilding Corporation Ltd., Bethlehem, Pa.
BUCKEYE IRON & BRASS WORKS, 322 E 3rd, Dayton, Ohio
See adv index at end of book
Capitol Brass Works, 2306 Franklin, Detroit, Mich.
Cash A. W. Co. (Relief), Dept. H, Decatur, Ill. *See adv index at end of book*
Central Brass Mfg. Co. of Cleveland (Sizes ⅜" to 2"), Cleveland, O.
Coast Supply Co. ("Hercules"), 590H Howard, San Francisco, Cal.
Collar Valve Co. ("Collar"), Federal bldg, Oakland, Cal.
Coldwell-Wilcox Co., Newburgh, N. Y.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Consolidated Car Heating Co. ("Consolidated"), Dept H, Albany, N. Y.
CRANE CO. (Brass, Iron & Steel), 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
Detroit Brass & Malleable Works, 1177 Holden, Detroit, Mich.
Detroit Lubricator Co. ("Detroit," "Genuine Detroit" Brass), 5938 Trumbull, Detroit, Mich.
Donovan R. J. Co., 217 Pearl, New York
Duriron Castings Co. ("Duriron," Angle Acid Proof), Dayton, O.
Eastwood Wire Mfg. Co., Belleville, N. J.
Edna Brass Mfg. Co. (Angle Only), Cincinnati, O.
Edward Valve & Mfg. Co., East Chicago, Ind.
Everhart Brass Works, Scranton, Pa.
Fairbanks Co., 416 Broome, New York
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Garratt W. T. & Co., 299H Fremont, San Francisco, Cal.
Gibson Bros. Mfg. Co., North Chicago, Ill.
Cleveland, O.
Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, O.
Golden-Anderson Valve Specialty Co. ("Anderson"), Fulton bldg, Pittsburgh, Pa.
Gorton & Lidgerwood Co. (Straightway & Angle), 96 Liberty, New York
Greenberg's M. & Son, Folsom & Alice, San Francisco, Cal.
Harris Pump & Supply Co., 318 2d av, Pittsburgh, Pa.
See adv index at end of book
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
See adv index at end of book
Hoffman B. Mfg. Co. (Iron), 257H 6th, Milwaukee, Wis.
Homestead Valve Mfg. Co. (Angle), Homestead, Pa.
See adv index at end of book
Hydraulic Press Mfg. Co. ("H. P. M." High Pressure Hydraulic), 24 Lincoln av, Mount Gilead, O.
See adv index at end of book
ILLINOIS MALLEABLE IRON CO., 1801 Diversey blvd, Chicago, Ill.
See adv index at end of book
Jarecki Mfg. Co., Erie Pa.
JENKINS BROS., 80 White, New York
See adv index at end of book
Jones Jas. Co., 201 Leroy, Los Angeles, Cal.
KELLY & JONES CO. THE (Cast Steel, Semi-Steel Cast Iron & Brass), Greensburg, Pa. *See adv index at end of book*
Kennedy Valve Mfg. Co., Elmira, N. Y.
See adv index at end of book
Kinsey & Mahler Co. ("K. & M."), Peoria, Ill.
Locke Regulator Co., Salem, Mass.
LUNKENHEIMER CO. ("Renewo," "Ferrenewo"), Executive Offices & Fac- & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McCambridge Co. (Brass Only), 315 N 20th, Phila., Pa.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
McMANN & TAYLOR CO., 104 John, New York. *See adv index at end of book*
McNab & Harlin Mfg. Co. (Brass & Iron Body), Paterson, N. J.
McRAE & ROBERTS CO. (Brass), 100 S Campbell av, Detroit, Mich.
MANNING MAXWELL & MOORE INC. (Hancock Inspirator Co. Div.) ("Hancock"), 100 E 42nd, New York
See adv index at end of book
Marsh Valve Co., Dunkirk, N. Y.
Max Machine Co. ("K-V"), Clinton, Mass.
Milwaukee Valve Co. ("M"), 139 Burrell, Milwaukee, Wis.
Nason Mfg. Co., 71 Fulton, New York
See adv index at end of book
Nathan Mfg. Co. (For Locomotives, etc), 21 E 40th, New York
Nelson Valve Co. (Brass Iron & Steel), Chestnut Hill, Phila., Pa.
Ohio Brass Co. ("O-B"), Mansfield, O.
Ohio Injector Co. ("O.I. Co."), Wadsworth, O.
Ohio Pump & Brass Co. (Gas), Columbus, Ohio
Oil Well Supply Co. (Brass & Iron), 215 Water, Pittsburgh, Pa.
O'Malley-Beare Valve Co. ("Multiplate"), **Railway Exchange bldg, Chicago, Ill.**
Pacific Coast Brass Mfg. Co., 721 E Slauson av, Huntington Park, Los Angeles, Cal.
Pacific Faucet Mfg. Co., 940 E 60th, Los Angeles, Cal.
Pacific Foundry Co., 18th & Harrison, San Francisco, Cal.
Perkes Chas. (Est. of), 627 Arch, Phila., Pa.
Pierce, Butler & Pierce Mfg. Corp., 437 East 162nd, New York City
Pioneer Brass Works, Indianapolis, Ind.
Pittsburgh Piping & Equipment Co., 35th & Charlotte, Pittsburgh, Pa.
Pittsburgh Valve & Fittings Co. ("Standard" Brass), Frick bldg, Pittsburgh, Pa.
POWELL WM. CO. ("Powell White Star"), 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Pratt & Cady Co. ("P. & C"), Hartford, Conn.
Price-Corcoran-Pfister Co. ("P. C. P."), 2923 Humboldt. Los Angeles, Cal.
Protected Seat Valve Co. ("B. & O."), 707 Peoples Bank bldg., Pittsburgh, Pa.
Reading Steel Casting Co., Reading, Pa.
Richardson-Phenix Co. ("P. P. Nokut"), 131 2d, Milwaukee, Wis.
Rickersberg Brass Co., Perkins & E 37th, Cleveland, O.
Schutte & Koerting Co., 1251 N 12th, Phila., Pa. *See adv index at end of book*
Schwander Brass Mfg. Co., 823 N 8th, St. Louis, Mo.
Scully Iron & Steel Co. ("Storie" Brass), 2364 S Ashland av, Chicago, Ill.
Seattle Brass Co., 4001 7th av S., Seattle, Wash.
Simmons John Co., 110 Centre, New York
See adv index at end of book
Smolensky M. Mfg. Co., Jasper av & Ridge rd, Cleveland, O.
Star Brass Mfg. Co. ("Renewable"), 53 Oliver, Boston, Mass.
Stephens Roe Mfg. Co. ("Scott," "J. D."), 1097 McKinley, Detroit, Mich.
Strong, Carlisle & Hammond Co., 336-344 Frankfort av N W, Cleveland, O
United Brass Mfg. Co. ("United" Brass), 3844 Hamilton av, Cleveland, O.
Walworth Mfg. Co., Boston, Mass.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.
Williams D. T. Valve Co., Cincinnati, O.
Williams & Wells Co., 253 Fulton, New York *See adv index at end of book*

16324—Valves (Greenhouse)

Coldwell-Wilcox Co., Newburgh, N. Y.
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book

(*Continued on page* 2190)

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See adv index at end of book
Walworth Mfg. Co., 82H Pearl, Boston, Mass.

16325— Valves (Grinder)

Baker Mfg. Corp. ("Ramsey"), Saratoga Springs, N. Y.
Goodell Pratt Co., Greenfield, Mass.
Rotax Co. ("Rotax"), 171 Broadway, New York, & 24 Bathgate pl, Newark, N. J.

16326—Valves (Gulland Automatic Water)

WOOD R. D. & CO., 400 Chestnut, Phila., Pa.

16327— Valves (Hatters')

Jenkins Bros., 80 White, New York
See adv index at end of book
McNab & Harlin Mfg. Co. ("Smith" Pattern & Quick Opening), Paterson, N. J

16328—Valves (High Pressure)

American Brass Products Co., Pottstown, Pa.
American Foundry & Const. Co. (Steam), 2nd av & Longworth, Pittsburgh, Pa.
Anniston Electric Steel Corp. (Oil & Water), Anniston, Ala.
Atlas Valve Co. (Regulating), 282 South, Newark, N. J.
Bastian-Blessing Co. (Gas), 240 E Ontario, Chicago, Ill.
See adv index at end of book
Bethlehem Shipbuilding Corporation Ltd., Bethlehem, Pa.
Buckeye Iron & Brass Works, Dayton, O.
Burlington Brass Works, Burlington, Wis.
Cadman A. Mfg. Co. ("Indestructible"), 2816 H Smallman, Pittsburgh, Pa.
Capitol Brass Works, 2306 Franklin, Detroit, Mich.
Coast Supply Co. ("Hercules"), 590H Howard, San Francisco, Cal.
Collar Valve Co. ("Collar"), Federal bldg, Oakland, Cal.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
CRANE CO. (For Oil Steam, etc.), 836 Michigan av, Chicago, Ill.
See adv index at end of book
Darling Valve & Mfg. Co., Williamsport, Pa.
Eddy Valve Co., Waterford, N. Y.
Edward Valve & Mfg. Co., East Chicago, Ind.
Everlasting Valve Co., 49 Fisk, Jersey City, N. J.
Fairbanks Co., 416 Broome, New York
Ford Thos. P. Co. (Balance Ball Cock), 407 Broome, New York
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Hennebohle Frank (Ammonia Check), 81st & S Chicago av, Chicago, Ill.
Homestead Valve Mfg. Co. ("Homestead"), Homestead, Pa.
See adv index at end of book
HYDRAULIC PRESS MFG. CO. ("H.P.M." Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*
Jenkins Bros., 80 White, New York
See adv index at end of book
Jones Jas. Co., 201 Leroy, Los Angeles, Cal.
KELLY & JONES CO. THE, Greensburg, Pa. *See adv index at end of book*
KENNEDY VALVE MFG. CO. (For Steam Service), Elmira, N. Y.
See adv index at end of book
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Marsh Valve Co., Dunkirk, N. Y.
National Valve & Mfg. Co. ("Navco" Gate, Semi-Steel & Cast Steel), 3101 Liberty av, Pittsburgh, Pa.
Pierce, Butler & Pierce Mfg. Corp., 437 East 162nd, New York City
Pittsburgh Gage & Supply Co., 30th & Liberty av, Pittsburgh, Pa.
Pittsburgh Reinforced Brazing & Machine Co., 2525 Liberty, Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
POWERS REGULATOR CO., 2773 Greenview av, Chicago, Ill.
See adv index at end of book
Pratt & Cady Co. ("P & C"), Hartford, Conn.
Reading Steel Casting Co., Reading, Pa.
Richardson-Phenix Co. ("R. P. Nokut"), 131 2d, Milwaukee, Wis.
Schutte & Koerting Co., 1251 N. 12th, Phila., Pa. *See adv index at end of book*
SOUTHWARK FOUNDRY & MACHINE CO., 1128 S 4th, Phila., Pa.
See adv index at end of book
Star Brass Mfg. Co. ("Renewable"), 51 Oliver, Boston, Mass.
Stephens Roe Mfg. Co., 1097 McKinley, Detroit, Mich.
Walworth Mfg. Co., 82H Pearl, Boston, Mass
Watts Regulator Co. ("Watts"), Lawrence, Mass.
Westcott Valve Co. Inc., H Water, Seneca Falls, N. Y.
Williams & Wells Co., 253 Fulton, New York *See adv index at end of book*
Yarnall-Waring Co. ("Yarway"), Chestnut Hill, Phila., Pa.
Young C. C. ("Jack Wilson" Balanced), Jersey Shore, Pa.

16329—Valves (High Pressure Natural Gas)

Chemical Equipment Co., 2457 S Western av, Chicago, Ill.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Darling Valve & Mfg. Co., Williamsport, Pa.
Edward Valve & Mfg. Co., East Chicago, Ind.
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Kennedy Valve Mfg. Co., Elmira, N. Y.
See adv index at end of book
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Pratt & Cady Co. ("P & C"), Hartford, Conn.

16329a—Valves (Hold Open Stop Check)

Detroit Brass & Malleable Works, 1177 Holden, Detroit, Mich.
Schutte & Koerting Co., 1251 N 12th, Phila., Pa. *See adv index at end of book*

16330— Valves (Hopper)

Acheson Mfg. Co. (Brass), Rankin, Pa.
See adv index at end of book
American Fdry. & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Cooper Sanitary Mfg. Co. (Self-Closing), 34th & Chestnut, Phila, Pa.
Crampton Farley Brass Co. ("Star for Anti-Freezing Closets), 221 Main, Kansas City, Mo.
Edwardsville Brass Co., Edwardsville, Ill.
Hall Mfg. Co., Harrison, N. J.
Prier Brass Mfg. Co. ("Standard"), 15th & Blue River, Kansas City, Mo.
Savill's Thos. Sons, 1310 Wallace, Phila., Pa.
Sawyer W. H. & Sons Co., Americus, Ga.

16331— Valves (Hose)

ALLEN W. D. MFG. CO., 201-211 N Jefferson, Chicago, Ill.
See adv index at end of book
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Buckeye Iron & Brass Works (Brass Garden Hose, etc), Dayton, O.
Chapman Valve Mfg. Co. ("Chapman"), Indian Orchard, Mass.
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Darling Valve & Mfg. Co., Williamsport, Pa.
Elkhart Brass Mfg. Co., Elkhart, Ind.
Fairbanks Co., 416 Broome, New York
Greenberg's M. & Son, Folsom & Alice, San Francisco, Cal.
Grinnell Co., Inc., 275 W Exchange, Providence, R. I.
Hays Mfg. Co., Erie, Pa.
See adv index at end of book
Hoffman B. Mfg. Co. (Brass), 257 6th, Milwaukee, Wis.
Jenkins Bros., 80 White, New York
See adv index at end of book
Jones Jas. Co., 201 Leroy, Los Angeles, Cal.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Kennedy Valve Mfg. Co., Elmira, N. Y.
See adv index at end of book
Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.
LUNKENHEIMER CO. ("Clip"), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
See adv index at end of book
Milwaukee Brass Mfg. Co. (For Fire Escape Stand Pipe), 251 Lapham, Milwaukee, Wis.
Nelson Valve Co., H, Chestnut Hill, Phila., Pa.
O'Malley-Beare Valve Co. ("Multiplate"), Railway Exchange bldg, Chicago, Ill.
Pacific Faucet Mfg. Co., 940 E 60th, Los Angeles, Cal.
Powell Wm. Co. ("Crescent"), 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Pratt & Cady Co. ("P & C"), Hartford, Conn.
Price-Corcoran-Pfister Co. ("P. C. P."), 2923 Humboldt, Los Angeles, Cal.
Rensselear Valve Co. ("Rensselear"), Dept H, Troy, N. Y.
Republic Brass Mfg. Co., 2115 E 27th, Los Angeles, Cal.
Sherman H. B. Mfg. Co., Battle Creek, Mich.
Simmons John Co., 110 Centre, New York
See adv index at end of book
Stephens Roe Mfg. Co., 1097 McKinley, Detroit, Mich.
Walworth Mfg. Co., 82H Pearl, Boston, Mass.
Williams & Wells Co., 253 Fulton, New York *See adv index at end of book*

16332—Valves (Hot & Cold Blast)

Detroit Lubricator Co., 5938 Trumbull, Detroit, Mich.
Hartman Co., 1231 N Front, Phila., Pa.

16333—Valves (Hydraulic)

American Foundry & Construction Co., 2nd av & Longworth, Pittsburgh, Pa.
Ashton Valve Co. ("Ashton" Relief), 161 First, Cambridge, Mass.
Atlas Valve Co. (Regulating), 282 South, Newark, N. J.
Belfield H. Co., 435 N Broad, Phila., Pa.
Bordo L. J. Co. (Inc), (Stop, Three Way & Four Way), 12th & Thompson, Phila., Pa.
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, O. *See adv index at end of book*
Chambersburg Engineering Co. (Check, Safety & Shock), Chambersburg, Pa.
Chapman Valve Mfg. Co. ("Chapman"), Indian Orchard, Mass.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
CRANE CO. (Gate Angle, Globe, Check & Safety), 836 S Michigan av, Chicago, Ill. *See adv index at end of book*
Darling Valve & Mfg. Co., (Ltd.), Williamsport, Pa.
Eddy Valve Co., Waterford, N. Y.
Edward Valve & Mfg. Co. ("Edward" Stop & Check, etc), Edison bldg, Chicago, Ill.
Elmes Chas. F. Engineering Works, Cor. Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Engberg Electric & Mechanical Works (Electro-Hydraulic, for Stand Pipes, etc), St. Joseph, Mich.
Foster Engineering Co. (Regulating, Reducing & Relief), 109 Monroe, Newark, N. J.
French Oil Mill Machinery Co., Piqua, O.
Garratt W. T. & Co., 299H Fremont, San Francisco, Cal.
Hennebohle Frank (Balanced, Straight, Three & Four Way), 81st & S Chicago av, South Chicago, Ill.
HOMESTEAD VALVE MFG. CO. ("Homestead"), Homestead, Pa.
See adv index at end of book
HYDRAULIC PRESS MFG. CO. ("H.P.M." High Pressure), 24 Lincoln av, Mount Gilead, O.
See adv index at end of book

H-P-M HIGH PRESSURE HYDRAULIC VALVES

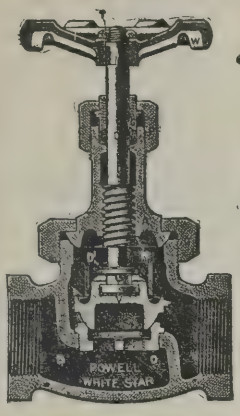


Angle, Globe, Poppet, Safety, Balanced, etc.

HYDRAULIC PRESS MFG. CO.
24 Lincoln Avenue Mount Gilead, Ohio

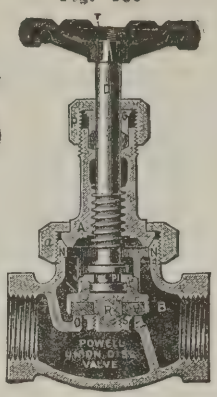
Jenkins Bros., 80 White, New York
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Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Kennedy Valve Mfg. Co., Elmira, N. Y.
Larner-Johnson Valve & Engineering Co., Widener bldg, Philadelphia, Pa.
delphia, Pa.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McNab & Harlin Mfg. Co., Paterson, N. J.
Morgan Engineering Co., Alliance, O.
Nason Mfg. Co., 71 Fulton, New York
See adv index at end of book
National Gauge Co. (Relief), 300 Pacific, **Brooklyn, N. Y.**
Nelson Valve Co., Chestnut Hill, Phila., **Pa.**
New York Brass Foundry Co. ("Stillbech"), 403 Broome, New York
Oil Well Supply Co., 215 Water Pittsburgh, Pa.
Pacific Faucet Mfg. Co., 940 E 60th, Los Angeles, Cal.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
POWELL WM. CO. ("Powell" Globe, Angle Check), 2525 Spring Grove av, Cincinnati, Ohio.
See adv index at end of book
Pratt & Cady Co. ("P. & C."), Hartford, Conn.
Reading Steel Casting Co., Reading, Pa.
Rensselear Valve Co. ("Rensselear"), Dept H, Troy, N. Y.
Robertson Jno. & Co., 133 Water, B'klyn, N. Y.
Schutte & Koerting Co., 1251 N 12th, Phila., Pa. *See adv index at end of book*
SIMPLEX VALVE & METER CO. ("Simplex" Regulating for Controlling the Elevation of Water in Reservoirs & Stand Pipes), 5718 Race, Phila., Pa.
Smith Co., S Morgan, P. O. Box 667, York, Pa.

Fig. 102



POWELL VALVES

Fig. 150



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Taylor-Wilson Mfg. Co., McKees Rocks, Pa.

Union Iron Works, Hoboken, N. J.

Walworth Mfg. Co., 82H Pearl, Boston, Mass.

WATSON-STILLMAN CO., 33 Church, New York *See adv index at end of book*

Watson & McDaniel Co. ("Riggins," Hydraulic Stop & Balance Rotating & Operating), 146 N 7th, Phila., Pa.

Williams Franklin, Inc. ("Toledo" Bronze), 39 Cortlandt, New York

Williams & Wells Co., 253 Fulton, New York *See adv index at end of book*

Yarnall-Waring Co. ("Yarway" High Pressure), Chestnut Hill, Phila., Pa.

16333a—Valves (Hydraulic Back Pressure)

OXWELD ACETYLENE CO. (Acetylene, City or Natural Gas), 30 E 42d, New York
See adv index at end of book

16334—Valves (Hydraulic Operating)

American Foundry & Construction Co., 2nd av & Longworth, Pittsburgh, Pa.

Atlas Valve Co., 282 South, Newark, N. J.

Bethlehem Steel Co., Bethlehem, Pa.

Cash A. W. Co., Dept. H, P. O. Box 135, Decatur, Ill.
See adv index at end of book

Chambersburg Engineering Co., Chambersburg, Pa.

Chapman Valve Mfg Co ("Chapman"), Indian Orchard, Mass

Coldwell-Wilcox Co., Newburgh, N. Y.

CRANE CO., 836 Michigan av, Chicago, Ill. *See adv index at end of book*

Darling Valve & Mfg. Co., Williamsport, Pa.

Hennebohle Frank (& Cocks, Straightway, Three & Four Way), 31st & S Chicago av, South Chicago, Ill.

Hydraulic Press Mfg. Co. ("H.P.M." Pressure), 24 Lincoln av, Mount Gilead, O.
See adv index at end of book

Jenkins Bros., 80 White, New York
See adv index at end of book

Kennedy Valve Mfg. Co., Elmira, N. Y.
See adv index at end of book

Logemann Bros. Co., 3130 Burleigh, Milwaukee, Wis.

Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.

Lunkenheimer Co., Beekman & Waverly, Cincinnati, O.
See adv index at end of book

Morgan Construction Co., Worcester, Mass.

National Marine Lamp Co., Forestville, Conn.

Nelson Valve Co., Chestnut Hill, Phila., Pa.

Pratt & Cady Co. ("P & C"), Hartford, Conn.

Ross Valve Mfg. Co, 9 Oakwood av, Troy, N. Y.

Smith Co., S Morgan, P. O. Box 667, York, Pa.

Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book

Vance Engineering Co. ("Woods"), Phipps Power bldg, Pittsburgh, Pa.

WOOD R. D. & CO., 400 Chestnut, Phila., Pa.

16335—Valves (Hydraulic Pressure Controlling)

French Oil Mill Machinery Co., Piqua, O.

Hennebohle Frank, 31st & S Chicago av, South Chicago, Ill.

Hydraulic Press Mfg. Co. ("H. P. M." High Pressure), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*

LUNKENHEIMER CO. ("Victor"), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
See adv index at end of book

Manning Maxwell & Moore Inc. ("Hancock") (Hancock Inspirator Co. Div.), 100 E 42nd, New York
See adv index at end of book

Mason Regulator Co. ("Mason"), Dorchester Center, Boston, Mass.

Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book

Sparling R. W. ("Pionto-Valve") 945 N. Main, Los Angeles, Cal.

Witt G. E. Co., 862 Howard, San Francisco, Cal.

16336—Valves (Hydraulic Pulpit)

Hennebohle Frank, 31st & S Chicago av, South Chicago, Ill.

Hydraulic Press Mfg. Co. ("H. P. M." High Pressure Hydraulic), 24 Lincoln av, Mount Gilead, O.
See adv index at end of book

Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.

16337— Valves (Indicator)

Bourbon Copper & Brass Works (Open & Shut Indicator Post Valves), Cincinnati, O.

Chapman Valve Mfg. Co. ("Chapman" Indicator Post Valves), Indian Orchard, Mass.

Columbian Iron Works ("Columbian"), (Underwriters), 811 Boyce, Chattanooga, Tenn.

Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book

Darling Valve & Mfg. Co., Williamsport, Pa.

Jenkins Bros., 80 White, New York
See adv index at end of book

Jones Jas. Co., 201 Leroy, Los Angeles, Cal.

Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book

Kennedy Valve Mfg. Co., Elmira, N. Y.
See adv index at end of book

LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
See adv index at end of book

McRae & Roberts Co., 100 So Campbell av, Detroit, Mich.

Milwaukee Valve Co. ("M." Brass), 139 Burrell, Milwaukee, Wis.

National Brass Mfg. Co. (Relief & Cylinder), Rochester, N. Y.

Nelson Valve Co., Chestnut Hill, Phila., Pa.

Pittsburgh Valve & Fittings Co., Frick bldg., Pittsburgh, Pa.

Pratt & Cady Co., ("P & C"), Hartford, Conn.

Rensselear Valve Co. ("Rensselear"), Dept H, Troy, N. Y.

Walworth Mfg. Co., 82H Pearl, Boston, Mass.

16337a—Valves (Internal Combustion Engine)

Rich Tool Co., Railway Exchange bldg, Chicago, Ill.

16337b— Valves (Irrigation)

Electrical & Mechanical Mfg. Co., 206 Park blvd, Fresno, Cal.

Martin Iron Works, 1222 E 28th, Los Angeles, Cal.

Snow Mfg. Co., 2437 E 24th, Los Angeles, Cal.

Waterman W. A., Exeter, Cal.

16338—Valves (Jenkins Type)

Detroit Brass & Malleable Works, 1177 Holden, Detroit, Mich.

JENKINS BROS., 80 White, New York
See adv index at end of book

KELLY & JONES CO. THE, Greensburg, Pa. *See adv index at end of book*



STANDARD
KELLY & JONES VALVES

Brass—Jenkins Type

All parts renewable for 150 lbs. steam pressure. Sizes ¼" to 3".

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GREENSBURG, PA.

Kennedy Valve Mfg. Co., Elmira, N. Y.
See adv index at end of book

McMann & Taylor Co., 104 John, New York
See adv index at end of book

Ohio Brass Co. ("O-B"), Mansfield, O.

16339— Valves (Lavatory)

American Fdry. & Mfg. Co., 11th & Hebert, St. Louis, Mo.

Capitol Brass Works, 2306 Franklin, Detroit, Mich.

Detroit Brass & Malleable Works, 1177 Holden, Detroit, Mich.

Edwardsville Brass Co. (Pedal), Edwardsville, Ill.

Hays Mfg. Co., Erie, Pa.

Haydenville Co., Haydenville, Mass.

Hoffmann & Billings Mfg. Co., 100 2d, Milwaukee, Wis.

Pacific Faucet Mfg. Co., 940 E 60th, Los Angeles, Cal.

Sanitas Mfg. Co. ("Sanitas"), 105 Washington, Boston, Mass.

Speakman Co. (Mixometers), Wilmington, Del.

16340— Valves (Lead Lined)

Chadwick-Boston Lead Co. (For Acids), 162 Congress, Boston, Mass.

Lead Lined Iron Pipe Co. (Also Tin Lined), Wakefield, Mass.

SCHUTTE & KOERTING CO. (Check Stop), 1251 N 12th, Philadelphia, Pa.
See adv index at end of book

United Lead Co., 111 Broadway, New York

16341— Valves (Leather)

Capitol Brass Works, 2306 Franklin, Detroit, Mich.

CHICAGO RAWHIDE MFG. CO. (THE), 1307 Elston av, Chicago, Ill.
See adv index at end of book

Detroit Leather Specialty Co. (Inc.) ("Wear Well"), 275 Beecher av, Detroit, Mich.

Graton & Knight Mfg. Co., 244 Franklin, Worcester, Mass.

Houghton E. F. & Co. ("Vim" Pump, etc.), 240 W Somerset, Phila., Pa.

Jenkins Bros., 80 White, New York
See adv index at end of book

Kendrick Valve & Washer Co., Syracuse, N. Y.

MARSH CHAS. W. CO. (& Cups, etc.), Muskegon, Mich.

Myers F. E. & Bro. Co., 950 Orange, Ashland, Ohio
See adv index at end of book

Nott W. S. Co., 2d av N & 3d, Minneapolis, Minn.

(Continued on following page)

Valves (Leather)—Continued

Potter Wm. Co. ("Ajax" Chrome Leather), 430 E 3d, Los Angeles, Cal.
Page Belting Co., Concord, N. H.

16342— Valves (Lever)

Chapman Valve Mfg. Co. ("Chapman"), Indian Orchard, Mass.
Everlasting Valve Co., 49 Fisk, Jersey City, N. J.
Fairbanks Co., 416 Broome, New York
Foster Engineering Co. (Balance), 109 Monroe, Newark, N. J.
Hydraulic Press Mfg. Co. ("H. P. M." High Pressure Hydraulic), 24 Lincoln av, Mount Gilead, O.
See adv index at end of book
Jenkins Bros., 80 White, New York
See adv index at end of book
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Kennedy Valve Mfg. Co., Elmira, N. Y.
See adv index at end of book
Lunkenheimer Co. ("Handy" & "Clip"), Beekman & Waverly, Cincinnati, O.
See adv index at end of book
Nelson Valve Co., Chestnut Hill, Phila., Pa.
Pierce, Butler & Pierce Mfg. Corp., 437 East 162nd, New York City
Powell Wm. Co. ("Titan," "Ready," "Giant" & "Petrol" Brass & Iron Body), 2525 Spring Grove av, Cincinnati, O. *See adv index at end of book*
Pratt & Cady Co. ("P. & C." Quick Opening), Hartford, Conn.
Schutte & Koerting Co., 1251 N 12th, Phila., Pa. *See adv index at end of book*
Star Brass Mfg. Co. ("Star," Safety Lever), 53 Oliver, Boston, Mass.
Walworth Mfg. Co., 82H Pearl, Boston, Mass.
Watts Regulator Co. ("Watts"), Lawrence, Mass.

16343— Valves (Lock)

Emory P. P. Mfg. Co. (For Rag Engines), 138 Spring, Springfield, Mass.
Pratt & Cady Co. (Check "P & C"), Hartford, Conn.

16344—Valves (Lock Shield)

American District Steam Co., North Tonawanda, N. Y.
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, O. *See adv index at end of book*
Beaton & Cadwell Mfg. Co. ("Gem No. 4," "Wellby Special," "Jumbo," "Perfection"), New Britain, Conn.
Capitol Brass Works, 2306 Franklin, Detroit, Mich.
Detroit Brass Works, 331 Holden, Detroit, Mich.
Detroit Lubricator Co. ("Detroit," "Genuine Detroit"), 5338 Trumbull, Detroit, Mich.
Dole Valve Co., 1933 Carroll, Chicago, Ill.
Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, O.
Hays Mfg. Co., Erie, Pa.
See adv index at end of book
Jenkins Bros. (Radiator), 80 White, New York *See adv index at end of book*
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Kennedy Valve Mfg. Co., Elmira, N. Y.
See adv index at end of book
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McNab & Harlin Mfg. Co. ("Radiator"), Paterson, N. J.
Marsh Jas. P. & Co., 118 S Clinton, Chicago, Ill.
Marsh Valve Co., Dunkirk, N. Y.
Pacific Faucet Mfg. Co., 940 E 60th, Los Angeles, Cal.
Pierce, Butler & Pierce Mfg. Corp., 437 East 162nd, New York City
Pratt & Cady Co. ("P & C"), Hartford, Conn.
Walworth Mfg. Co., Boston, Mass.

16345—Valves (Locomotive)

AMERICAN SAFETY LAMP & MINE SUPPLY CO., 1327 Capouse av, Scranton, Pa.
American Schaeffer & Budenberg Corp., Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book
Atlas Valve Co., 282 South, Newark, N. J.
Bordo L. J. Co. ("B. O." Plug Blow-Off, also Blower), 12th & Thompson, Phila., Pa.
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, O. *See adv index at end of book*
Cadman A. W. Mfg. Co. (Blow-Off), 2316 Smallman, Pittsburgh, Pa.
Coale Muffler & Safety Valve Co., 325 E. Oliver, Baltimore, Md.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Crane Co. (Cab, Steam Heat), 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
Everlasting Valve Co., 49 Fisk, Jersey City, N. J.
Fairbanks Co., 416 Broome, New York
Gold Car Heating & Lighting Co. (Pressure Regulating), 220 36th, Brooklyn, N. Y.
Homestead Valve Mfg. Co. ("Homestead" Blow-Off), Homestead, Pa.
See adv index at end of book
Jenkins Bros., 80 White, New York
See adv index at end of book
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Kunkle Valve Co., 119 N Clinton, Fort Wayne, Ind.
Larkin J. K. & Co., 253 Broadway, New York *See adv index at end of book*
Lonegran J. E. Co. ("XXX" & "YYY" Safety Valves), 211 Race, Phila., Pa.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
See adv index at end of book
Lytton Mfg. Co. ("Lytton" Blow-Off), Franklin, Va.
McNab & Harlin Mfg. Co. (Cylinder), Paterson, N. J.
MANNING MAXWELL & MOORE INC. (Consolidated Safety Valve Co. Div.) (Safety), 100 E 42nd, New York
See adv index at end of book
Nathan Mfg. Co. (Blower, 3 Air Pump Steam Relief & Steam Chest Relief), 21 E 40th, New York
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
O'Malley-Beare Valve Co. ("Multiplate" Duplex Blow-Out), Railway Exchange bldg, Chicago, Ill.
Pierce, Butler & Pierce Mfg. Corp., 437 East 162nd, New York City
Powell Wm. C. (Locomotive Boiler Check), 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Pratt & Cady Co. ("P & C"), Hartford, Conn.
Sargent Co. ("E. S. E." Blow-Off), 625 W Jackson blvd, Chicago, Ill.
Star Brass Mfg. Co. (Reducing), 53 Oliver, Boston, Mass.
Walworth Mfg. Co., 82H Pearl, Boston, Mass.
Watts Regulator Co. ("Watts"), Lawrence, Mass.
Williams D. T. Valve Co., Cincinnati, O.
Yarnall Waring Co., Chestnut Hill, Phila., Pa.
Young C. C. ("American" Balanced & "Jack Wilson" High Pressure Balanced), Jersey Shore, Pa.

16345a—Valves (Locomotive Blow-off)

Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Lunkenheimer Co., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
MANNING MAXWELL & MOORE INC. (Hancock Inspirator Co. Div.), 100 E 42nd, New York
See adv index at end of book
O'Malley-Beare Valve Co. ("Multiplate"), Railway Exchange bldg, Chicago, Ill.
Sargent Co. ("E. S. E."), 625 N Jackson blvd, Chicago, Ill.

16346—Valves (Low Pressure)

Bethlehem Shipbuilding Corporation Ltd., Bethlehem, Pa
Capitol Brass Works, 2306 Franklin, Detroit, Mich.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Homestead Valve Mfg. Co., Homestead, Pa.
See adv index at end of book
Jenkins Bros., 80 White, New York
See adv index at end of book
Jones Jas. Co., 201 Leroy, Los Angeles, Cal.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Kennedy Valve Mfg. Co., Elmira, N. Y.
See adv index at end of book
Merrill Co. ("Merco"), 121 2nd, San Francisco, Cal.
Pierce, Butler & Pierce Mfg. Corp., 437 East 162nd, New York
POWERS REGULATOR CO., 2773 Greenview av, Chcago, Ill.
See adv index at end of book
Reading Steel Casting Co., Reading, Pa.
Simmons John Co., 110 Centre, New York
See adv index at end of book
Westcott Valve Co. Inc., H Water, Seneca Falls, N. Y.

16347— Valves (Marine)

Ashton Valve Co. ("Ashton"), 161 First, Cambridge, Mass.
Bethlehem Shipbuilding Corporation Ltd., Bethlehem, Pa.
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, O. *See adv index at end of book*
Capitol Brass Works, 596 Franklin, Detroit, Mich.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
CRANE CO., 836 S Michigan av, Chicago, Ill. *See adv index at end of book*
Eagle Brass Foundry Co. (Screwed & Bolted Bonnets), Seattle, Wash.
Edward Valve & Mfg. Co., East Chicago, Ind.
Everlasting Valve Co., 49 Fisk, Jersey City, N. J.
Garratt W. T. & Co. ("Garratt" Extra Heavy), 299 Fremont, San Francisco, Cal.
Jenkins Bros., 80 White, New York
See adv index at end of book
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
See adv index at end of book
MANNING MAXWELL & MOORE INC. (Consolidated Safety Valve Co. Div.) (Safety), 100 E 42nd, New York
See adv index at end of book
Mason Regulator Co. ("Mason"), Dorchester Center, Boston, Mass.
Pierce, Butler & Pierce Mfg. Corp., 437 East 162nd, New York
Schutte & Koerting Co. ("Schutte" Quick Closing, Reducing, Throttle, etc.), 1251 N 12th, Phila., Pa.
See adv index at end of book
Star Brass Mfg. Co. ("Star," Safety), 53 Oliver, Boston, Mass.
Williams & Wells Co., 253 Fulton, New York *See adv index at end of book*
Walworth Mfg. Co., 82H Pearl, Boston, Mass.

16347a—*Valves (MMM Metal)

MANNING MAXWELL & MOORE INC. (Hancock Inspirator Co., Inc., Div.), (M. M. M.), 100 E 42nd, New York
See adv index at end of book

Valves (Modulation)

See Valves (Radiator Inlet)

16347b—Valves (Monel Metal)

Crosby Steam Gauge & Valve Co., Boston, Mass.
Homestead Valve Mfg. Co., Homestead, Pa.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Lunkenheimer Co., Cincinnati, O.
Hydraulic Press Mfg. Co., Mt. Gilead, O.
Manning, Maxwell & Moore, Bridgeport, Conn.
Nelson Mfg. Co., Real Estate Trust bldg, Philadelphia, Pa.
Pacific Foundry Co., Harrison & 18th, San Francisco, Cal.
Pioneer Alloy Products Co., Cleveland, O.
Sholes, Inc., 186 Lafayette, New York

16348—Valves (Motor Operated)

Chapman Valve Co, ("Chapman" Water, Air & Electric), Indian Orchard, Mass.
Edward Valve & Mfg. Co., East Chicago, Ind.
Jenkins Bros., 80 White, New York
See adv index at end of book
Kennedy Valve Mfg. Co., Elmira N. Y.
See adv index at end of book
Ludlow Valve Mfg. Co., ft of Adams, Troy, N. Y.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Rich Steel Products Co. ("R. S. P." & Tappet), Dept H, Battle Creek, Mich.

16349—Valves (Motor Tire)

Schrader's A. Son, Inc., 470 Vanderbilt av, Brooklyn, N. Y.

16350—Valves (Motorman's)

Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
National Brake & Electric Co. ("National," for Electric Cars), ft. Belleview pl, Milwaukee, Wis.

16351— Valves (Mud)

Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.

16352—Valves (Muffler, Cut-out)

Anderson Machine Works ("Simplex"), 444 23d, Oakland, Cal.
Ashton Valve Co. ("Ashton"), 161 First, Cambridge, Mass.
Badger Mfg. Corp., 156 Clinton, Milwaukee, Wis.
Barco Brass & Joint Co. (Automobile), 212 W Illinois, Chicago, Ill.
Coale Muffler & Safety Valve Co., 325 E. Oliver, Baltimore, Md.
Cooper Mfg. Co., Marshalltown, Ia.
Draver E. R. Mfg. Co. ("Hol-E-Terror"), Richmond, Ind.
Dunkirk Corp. ("Dunco"), 12 E 2nd, Dunkirk, N. J.
Gemco Mfg. Co. (& Cutout), Milwaukee, Wis.
Gray-Hawley Mfg. Co., 3123 Jefferson av, Detroit, Mich.
Kunkle Valve Co., 119 N Clinton, Fort Wayne, Ind.
Lonergan J. E. Co. ("P"), 211 Race, Phila., Pa.
MANNING MAXWELL & MOORE INC. (Consolidated Safety Valve Co. Div.), 100 E 42nd, New York
See adv index at end of book
Oldberg Mfg. Co., 2661 E Grand blvd, Detroit, Mich.
Petry N. A. Co., Inc., 322 N Randolph, Phila., Pa.
Powell Muffler Co., Utica, N. Y.
Ruby Mfg. Co., Springfield, Ohio
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.
Waller Mfg. Co., Oelwein, Iowa
Western Brass Mfg. Co. ("Rudie"), Marshall blvd & W 21st, Chicago, Ill.



Our New Model "J" Pop Valve is a Universal Valve with exceptional capacity.



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16353—Valves (Natural Gas)

Babcock E. B., 1009 Western av, Seattle, Wash.
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, O. *See adv index at end of book*
Colonial Supply Co., 217 Water, Pittsburgh, Pa. ***See adv index at end of book***
Crane Co., 836 S Michigan av, Chicago, Ill. *See adv index at end of book*
Darling Valve & Mfg. Co., Williamsport, Pa.
Detroit Brass & Malleable Works, 1177 Holden, Detroit, Mich.
Fire & Gas Appliance Co., 1906 Wyandotte, Kansas City, Mo.
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa. ***See adv index at end of book***
Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, O.
Hale Gas Co., Neodesha, Kans.
Hays Mfg. Co., Erie, Pa. *See adv index at end of book*
Jarecki Mfg. Co., Erie Pa.
Jones Jas. Co., 201 Leroy, Los Angeles, Cal.
Kelly & Jones Co. The, Greensburg, Pa. *See adv index at end of book*
Kennedy Valve Mfg. Co., Elmira N. Y. *See adv index at end of book*
Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McRae & Roberts Co., 100 So Campbell av, Detroit, Mich.
Merrill Co. ("Merco"), 121 2nd, San Francisco, Cal.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Pratt & Cady Co. ("P & C"), Hartford, Conn.

16354— Valves (Needle)

Buckeye Iron & Brass Works, 322 E 3rd, Dayton, O. *See adv index at end of book*
Crampton Farley Brass Co. (For Oil Burners), 221 Main, Kansas City, Mo.
Crane Co., 836 S Michigan av, Chicago, Ill. *See adv index at end of book*
Darling Valve & Mfg. Co., Williamsport, Pa.
Detroit Brass & Malleable Works, 1177 Holden, Detroit, Mich.
Edward Valve & Mfg. Co., East Chicago Ind.
Hydraulic Press Mfg. Co. ("H. P. M. High Pressure Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*
Jarecki Mfg. Co., Erie Pa.
Kelly & Jones Co. The, Greensburg, Pa. *See adv index at end of book*
Lalor Fuel Oil System Co., 527H Colvin, Baltimore, Md.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. ***See adv index at end of book***
McNab & Harlin Mfg. Co., Paterson, N. J.
McRae & Roberts Co., 227 Campbell av, Detroit, Mich.
Pierce, Butler & Pierce Mfg. Corp., 437 East 162nd, New York
Powell Wm. Co. ("Crescent" & "Model Star"), 2525 Spring Grove av, Cincinnati, O. ***See adv index at end of book***
Walworth Mfg. Co., 82H Pearl, Boston, Mass.
Williams & Wells Co., 253 Fulton, New York ***See adv index at end of book***

16355—Valves (Needle Point, Gasoline)

Buckeye Iron & Brass Works, 322 E 3rd, Dayton, O. *See adv index at end of book*
Clayton & Lambert Mfg. Co., 170-70 Beaubien, Detroit, Mich.
Detroit Brass & Malleable Works, 1117 Holden, Detroit, Mich.
Edward Valve & Mfg. Co., East Chicago, Ind
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. ***See adv index at end of book***
Nuway Burner Mfg. Co., 1009 Western av, Seattle, Wash.
Pittsburgh Valve Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.

16356-7—Valves (Non-Return)

Belfield H. Co., 435 N Broad, Phila., Pa.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. ***See adv index at end of book***
Crane Co., 836 S Michigan av, Chicago, Ill. *See adv index at end of book*
DAVIS G. M. REGULATOR CO. ("Davis"), 434 Milwaukee av, Chicago, Ill.
Edward Valve & Mfg. Co., East Chicago, Ind.
Fairbanks Co., 416 Broome, New York
Garrett W. D. & Co., 126 Liberty, New York
Golden-Anderson Valve Specialty Co., Fulton bldg, Pittsburgh, Pa.
Hennebohle Frank, 81st & S Chicago av, South Chicago, Ill.
Jenkins Bros., 80 White, New York ***See adv index at end of book***
KELLY & JONES CO. THE, Greensburg, Pa. *See adv index at end of book*
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. ***See adv index at end of book***
Nelson Valve Co., Chestnut Hill, Phila., Pa.
Pierce, Butler & Pierce Mfg. Corp., 437 East 162nd, New York
Pittsburgh Valve, Foundry & Construction Plant Engng. & Equip. Co. Inc., 11 John, New York
Powell Wm. Co. ("Powell White Star" Single & Triple Acting), 2525 Spring Grove av, Cincinnati, O. *See adv index at end of book*
Pratt & Cady Co. ("P & C"), Hartford, Conn.
Robertson Jno. F. Co., Park bldg, Pittsburgh, Pa.
Schutte & Koerting Co., 1251 N 12th, Phila., Pa. ***See adv index at end of book***
Stephens Roe Mfg. Co., 1097 McKinley, Detroit, Mich.
Trill Indicator Co., Elm, Corry, Pa.

16358— Valves (Oil)

Atlas Valve Co. (Regulating), 282 South, Newark, N. J.
Cadman A. W. Mfg. Co., 2816 Smallman, Pittsburgh, Pa.
Chapman Valve Mfg. Co., ("Chapman"), Indian Orchard, Mass.
Collar Valve Corp. ("Collar"), Federal bldg, Oakland, Cal.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. ***See adv index at end of book***
Darling Valve & Mfg. Co., Williamsport, Pa.
Detroit Brass & Malleable Works, 1177 Holden, Detroit, Mich.
Edward Valve & Mfg. Co., East Chicago, Ind.
Everlasting Valve Co., 49 Fisk, Jersey City, N. J.
Fairbanks Co., 416 Broome, New York
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa. ***See adv index at end of book***
Garratt W. T. & Co., 299H Fremont, San Francisco, Cal.
Harris Pump & Supply Co., 318 2d av, Pittsburgh, Pa. *See adv index at end of book*
Homestead Valve Mfg. Co., Homestead, Pa. *See adv index at end of book*
Jenkins Bros. (Lever), 80 White, New York *See adv index at end of book*
Kelly & Jones Co. The, Greensburg, Pa. *See adv index at end of book*
KENNEDY VALVE MFG. CO., Elmira, N. Y. ***See adv index at end of book***
Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.
McMann & Taylor Co., 104 John, New York *See adv index at end of book*
Merrill Co. ("Merco"), 121 2nd, San Francisco, Cal.
Pratt & Cady Co. ("P & C"), Hartford, Conn.
Reading Valve & Fitting Co., Reading, Pa.
Walworth Mfg. Co., 82H Pearl, Boston, Mass.
Witt G. E. Co. (Oil Regulating Valves for Oil Burners), 862 Howard, San Francisco, Cal.

16359—Valves (Oil Burner, Needle)

Buckeye Iron & Brass Works, 322 E 3rd, Dayton, Ohio *See adv index at end of book*
Engineer Co., 17 Battery pl, New York
Imperial Brass Mfg. Co., 1200 W Harrison, Chicago, Ill.
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. ***See adv index at end of book***
Nuway Burner Mfg. Co., 1009 Western av, Seattle, Wash.

Valves (Oil Firing)

See Burners (Fuel Oil)

16360— Valves (Oiler)

Knox Mfg. Co. (For Drills), 821 Cherry, Phila., Pa.
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. ***See adv index at end of book***

16361—Valves (Open-Hearth Furnace)

Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa. *See adv index at end of book*
Wellman-Seaver-Morgan Co., E 70th & Central av, Cleveland, O.

16363-4— Valves (Piston)

Baker Valve Co. ("Baker"), 1855 E 28th, Minneapolis, Minn.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. ***See adv index at end of book***
Mason Regulator Co. ("Mason"), 1192 Adams, Boston, Mass.
National Brake & Electric Co., ft. Belleview pl, Milwaukee, Wis.
Tinker F. & Sons Co., 5637 Butler, Pittsburgh, Pa.
Young C. C. ("American" Semi-Plug), Jersey Shore, Pa.

16364— Valves (Pivot)

Smith Co. ("Dow Disc Arm Type"), S Morgan, P. O. Box 667, York, Pa.

16365— Valves (Plug)

American Foundry & Construction Co., 2nd av & Longworth, Pittsburgh, Pa.
Cadman A. W. Mfg. Co. ("Gato"), 2816 Smallman, Pittsburgh, Pa.
Caldwell-Wilcox Co., Newburgh, N. Y
Homestead Valve Mfg. Co. ("Homestead"), Homestead, Pa. *See adv index at end of book*
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. ***See adv index at end of book***
Merrill Co. ("Merco Nordstrom"), 121 2nd, San Francisco, Cal.
Robertson Jas. Lead Co. (Plug & Seat), 827 S Howard, Baltimore, Md.
Scully Steel & Iron Co., 1127 Continental Bank bldg, Chicago, Ill.
Simmons John Co., 110 Centre, New York *See adv index at end of book*
Victory Mfg. Co., Niles, Cal.

16366—Valves (Pop Safety)

American Schaeffer & Budenberg Corp. (Muffled), Berry & S 5th, Brooklyn, N. Y. *See adv index at end of book*

(Continued on following page)

Valves (Pop Safety)—Continued

Ashton Valve Co. ("Ashton"), 161 First, Cambridge, Mass.
Caldwell L. L. Co. ("Caldwell Safety"), 2405 S Main, Los Angeles, Cal.
Capitol Brass Works, 2306 Franklin, Detroit, Mich.
Cash A. W. Co., Dept. H, P. O. Box 135, Decatur, Ill.
See adv index at end of book
Coale Muffler & Safety Valve Co., 325 E. Oliver, Baltimore, Md.
CRANE CO. (Boiler, High & Low Pressure), 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
Detroit Lubricator Co. ("Detroit," Low Pressure), Detroit, Mich.
Edna Brass Mfg. Co., Cincinnati, O.
Gold Car Heating & Lighting Co., 220 36th, Brooklyn, N. Y.
Hennebohle Frank, 31st & S Chicago av, South Chicago, Ill.
Jarecki Mfg. Co., Erie Pa.
Kunkle Valve Co. ("Kunkle," "Lock Up"), 119 N Clinton, Fort Wayne, Ind.
Lonergan J. E. Co. ("Linde's" & "U. S." Government, Marine & Stationary Boilers), 211 Race, Phila., Pa.
LUNKENHEIMER CO. ("Duplex," "Twin," "Midget," "Air Gas Pop"), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
See adv index at end of book
McRae & Roberts Co., 100 So Campbell av, Detroit, Mich.
Nason Mfg. Co., 71 Fulton, New York
See adv index at end of book
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Powell Wm. Co. ("Kunkle" Direct & Angle Outlet), 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Scott Valve Co., 310 W. Randolph, Chicago, Ill.
Simmons John Co., 110 Centre, New York
See adv index at end of book
Smolensky M. Mfg. Co., Jasper av & Ridge rd, Cleveland, O.
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.
Stephens Roe Mfg. Co., 1097 McKinley, Detroit, Mich.
Swift Lubricator Co., Elmira, N. Y.
Walworth Mfg. Co., Boston, Mass.

16367— Valves (Poppet, for Gas Engines)

Drake J. A. & Son ("Jadson"), Reedley, Cal.
Fansteel Products Co., Inc., No. Chicago, Ill.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book

INCO
Monel metal
POPPET VALVES
Do Not Oxidize or Wear Down.
Conform to Seat. Do Not Gather Carbon.
Used in Finest Marine and Truck Engines.
Refer to Oakley Valve Co., Shelton, Conn.
SEE OUR INSERT AT MONEL METAL
THE INTERNATIONAL NICKEL COMPANY
67 Wall Street New York, N.Y.

Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
MacKay & Austin, Inc. ("MacKay"), Emeryville, Cal.
Michigan Engine Valve Co. (Auto, Tractor, Aeroplane, Stationary), 437 W Columbus, Detroit, Mich.
Oakley Valve Co. of Conn., 159 Coram av, Shelton, Conn.
Pfanstiehl Co., No. Chicago, Ill.
Rich Steel Products Co. ("R. S. P."), Battle Creek, Mich.
Rich Tool Co. ("Rich"), H, Railway Exchange bldg., Chicago, Ill.
Steel Products Co., 2206 Clarkwood av, S. E., Cleveland, O.
Toledo Steel Products Co., Summit, Toledo, Ohio
United Engine & Machine Co., Inc., 507 B'way, Fresno, Cal.

16368—Valves (Power House)

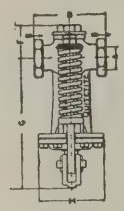
Atlas Valve Co., 282 South, Newark, N. J.
Darling Valve & Mfg. Co., Williamsport, Pa.
Detroit Brass & Malleable Works, 1177 Holden, Detroit, Mich.
Edward Valve & Mfg. Co., East Chicago, Ind.
Everlasting Valve Co., 49 Fisk, Jersey City, N. J.
Fairbanks Co., 416 Broome, New York
Golden-Anderson Valve Specialty Co., Fulton bldg, Pittsburgh, Pa.
Harris Pump & Supply Co., 318 2d av, Pittsburgh, Pa.
See adv index at end of book
Homestead Valve Mfg. Co., Homestead, Pa.
See adv index at end of book
Hydraulic Press Mfg. Co., 24 Lincoln av, Mt. Gilead, Ohio
See adv index at end of book
JENKINS BROS., 80 White, New York
See adv index at end of book
KELLY & JONES CO. THE, Greensburg, Pa. *See adv index at end of book*
KENNEDY VALVE MFG. CO., Elmira, N. Y. *See adv index at end of book*
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
See adv index at end of book
Marsh Valve Co., Dunkirk, N. Y.
Pierce, Butler & Pierce Mfg. Corp., 437 East 162nd, New York
Pittsburgh Gage & Supply Co., 30th & Liberty av, Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Reading Steel Casting Co., Reading, Pa.
Ricardson-Phenix Co. ("R. P. Nokut"), Milwaukee, Wis.

16369—Valves (Pressure Reducing)

American District Steam Co. ("Perfection"), North Tonawanda, N. Y.
view av, Chicago, Ill.
Am. Radiator Co., 816 Michigan av, Chicago, Ill.
Atlas Valve Co., 282 South, Newark, N. J.
Atwood & Morrill ("XXth Century"), 48 Loring av, Salem, Mass.
Auld Co. ("Quitetite"), Thompson & 12th, Phila., Pa.
CASH A. W. CO. ("Cash Standard" also Regulating), Dept. H, P. O. Box 135, Decatur, Ill.
See adv index at end of book

CASH STANDARD REDUCING VALVES
Cover the field of pressure regulation; diaphragm type; reduce a high pressure of steam, air, oil or water to a constant lower pressure. Types for all needs; all sizes accurate, long lived. Write for description of the six points of superiority and details of money back guarantee.
A. W. Cash Co., Dept. H. Decatur, Ill.

Clow James B. & Sons ("Clow Temperature Booster"), S Franklin & Harrison, Chicago, Ill.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
CRANE CO. (& Regulating for Steam, Air & Water), 836 S Michigan av, Chicago, Ill. *See adv index at end of book*
DAVIS G. M. REGULATOR CO. (Reducing Steam, Air & Water), 434 Milwaukee av, Chicago, Ill.
d'Este Julian Co., 26 Canal, Boston, Mass.
DUNHAM C. A. CO., 230 E Ohio, Chicago
See adv index at end of book
Fairbanks Co., 416 Broome, New York
Fisher Governor Co., Marshalltown, Ia.
Ford Thos. P. Co. (Steam & Water), 407 Broome, New York
Foster Engineering Co. (For High & Low Pressure), 109 Monroe, Newark, N. J.
Framingham Mfg. Co., 82 Herbert, Framingham, Mass.
Fulton Co. ("Sylphon"), Knoxville, Tenn.
Garrett W. D. & Co., 118 E 28th, New York
Gold Car Heating & Lighting Co., 220 36th, Brooklyn, N. Y.
Golden-Anderson Valve Specialty Co. ("Anderson," For Steam, Water, etc), Fulton bldg, Pittsburgh, Pa.
Graebert & Sons, 924 Sherman, Detroit, Mich.
Hall Mfg. Co. ("Atlas"), Harrison, N. J.
Harlem Mfg. Co., 685 11th av, New York
Hennebohle Frank, 31st & S Chicago av South Chicago, Ill.
HYDRAULIC PRESS MFG. CO. ("H. P. M." High Pressure Hydraulic), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book
Ideal Automatic Governor Co., 164 Emmet, Newark, N. J.
Illinois Engineering Co. ("Climax"), W 21st & S Racine av, Chicago, Ill.
Jenkins Bros. (Lever), 80 White, New York *See adv index at end of book*
JOHNSON SERVICE CO. ("Johnson"), 157 Michigan, Milwaukee, Wis.
See adv index at end of book
Keeble Alex. K. (High & Low Pressure), Lawrence, Mass.
Kelly & Jones Co. The (Vacuum, Etc.), Greensburg, Pa.
See adv index at end of book
Kieley & Mueller, 34 W 13th, New York
Larkin J. K. & Co., 253 Broadway, New York *See adv index at end of book*
Leslie Co. ("Leslie"), Lyndhurst, N. J.
Locke Regulator Co. ("New Era," "Beats All"), Salem, Mass.
Lytton Mfg. Corp. ("Lytton" for High & Low Pressure), Franklin, Va.
McAlear Mfg. Co. (For Steam, Water, Air or Gas), 1901 S Western av, Chicago, Ill.
McMann & Taylor Co., 104 John, New York
See adv index at end of book
Mason Regulator Co., Dochester Center, Boston, Mass.
Monash-Younker Co. (Steam), 1407 W Jackson blvd, Chicago, Ill.
Mueller Co. (Water, Steam & Oil), Decatur, Ill.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Plant Engng. & Equip. Co., Inc., 11 John, New York
POWERS REGULATOR CO., 2773 Greenview av, Chicago, Ill.
See adv index at end of book
Ray W. S. Mfg. Co., 118 New Montgomery, San Francisco, Cal.
Ross Valve Mfg. Co., 9 Oakwood av, Troy, N. Y.
Ruggles-Klingemann Mfg. Co. ("R.K."), H, Foster Court, Salem, Mass.
Schade Valve Mfg. Co., 2527 N Bodine, Phila., Pa.
SCHUTTE & KOERTING CO. "Auld Co," "Quitetite"), 1251 N 12th, Philadelphia, Pa. *See adv index at end of book*


Auld Quitetite Reducing Valve. Diaphragm actuated. Bronze, iron or steel construction, for steam, air or gases. *Catalog 8-R.*
SCHUTTE & KOERTING CO.
1251 North 12th Street
Philadelphia, Pa.

Squires C. E. Co. ("Squires"), 3934 Kelly av, Cleveland, O.
Standard Steam Specialty Co. ("Utility"), 366 3d av, New York
Staples & Pfeiffer ("S & P"), 528 Bryant, San Francisco, Cal.
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.
Stephens Roe Mfg. Co., 1097 McKinley, Detroit Mich.
Strong, Carlisle & Hammond Co. ("Strong"), 336-344 Frankfort av, N W, Cleveland, O.
Try Me Mfg. Co., Westfield, Mass.
Waters Governor Co., 141 Milk, Boston, Mass.
Watson & McDaniel Co. ("Watson," Also Spring Reducing Low Pressure & Atmosphere Reducing), 146 N 7th, Phila., Pa.
Watts Regulator Co. ("Watts"), Lawrence, Mass.
Wilgus Mfg. Co., 1722 E. 16th, Los Angeles, Cal.
Williams Gauge Co., 543 4th av, Pittsburgh, Pa.
Witt G. E. Co. (For Steam or Liquid), 862 Howard, San Francisco, Cal.

16369a1—*Valves (Pressure Seated, Pneumatic)

Cleveland Pneumatic Tool Co., 3734 E 78th, Cleveland, O.
See adv index at end of book

16369a— Valves (Pressure & Temperature Control)

CRANE CO., 836 Michigan av, Chicago, Ill.
See adv index at end of book
Hornung J. C., 343 S Dearborn, Chicago, Ill.
Lalor Fuel Oil System Co., 527H Colvin, Baltimore, Md.
Witt G. E. Co., 862 Howard, San Francisco, Cal.

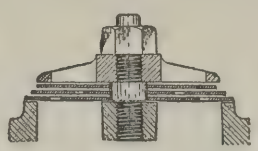
16369b—*Valves (Pressure & Temperature & Humidity Control)

POWERS REGULATOR CO., 2773 Greenview av, Chicago, Ill.
See adv index at end of book

Pressure—Temperature—Humidity Control Valves
See advertisement adjacent to Regulators for description
POWERS REGULATOR CO.
2773 Greenview Avenue Chicago

KINGHORN PUMP VALVES

ALL SIZES



Kinghorn Pump Valve Co. 831 East 15th St. Brooklyn, N. Y.

16369c—*Valves (Pressure & Vacuum Relief)

Capitol Brass Works, 2306 Franklin, Detroit, Mich.
CASH A. W. CO., Decatur, Ill.
See adv index at end of book

16370— Valves (Pump)

See also Valves, Rubber

Acme Rubber Mfg. Co., Trenton, N. J.
Anchor Packing Co. ("Ankorite" Rubber), 531 Market, Philadelphia, Pa.
Athol Pump Co., Athol, Mass.
Berger Bros. Co., 229 Arch, Phila., Pa.
Boston Belting Corp. (Rubber), 84 Linden Park, Boston, Mass.
Brandt Randolph, 70 Cortlandt, New York
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, O. *See adv index at end of book*
Cincinnati Rubber Mfg. Co. (Rubber), Norwood, Cincinnati, Ohio
See adv index at end of book
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Combination Rubber Mfg. Co. (Rubber), Bloomfield, N. J.
Continental Fibre Co. ("Continental-Bakelite" Vulcanized Fibre), Newark, Del.
Continental Rubber Works, Erie, Pa.
Cooley Mfg. Co. ("Cooley's"), 366 W Broadway, New York
Crosby Steam Gage & Valve Co. ("Branden" Rubber), 40 Central, Boston, Mass.
DELAWARE HARD FIBRE CO. (Hard Fibre), Wilmington, Del. Works: Marshallton, Del.
See adv index at end of book
Diamond State Fibre Co. (Fibre), Dept. 37, Bridgeport, Pa.
See adv index at end of book
Durabla Mfg. Co. ("Durabla"), 114 Liberty, New York
Edgecumbe J. C. & Co. ("Tri-Bisc"), 149 B'way, New York
Empire Tire & Rubber Corp. (Rubber), Trenton, N. J.
Excelsior Valve Co., 108 Fulton, New York
Federal Metallic Packing Co. (Fibre), 48 Hanover, Boston, Mass.
Fort Worth Well Machy. & Supply Co., Fort Worth, Tex.
FRICK & LINDSAY CO. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Furness Bros. Co. (All Bronze), 1613 W Wainut, Chicago, Ill.
Garlock Packing Co., Palmyra, N. Y.
Goodyear Tire & Rubber Co., Inc. ("Good Year"), 1144 E Market, Akron, Ohio
Gutta Percha & Rubber Mfg. Co., 350 Madison av, New York
Harris Pump & Supply Co., 318 2d av, Pittsburgh, Pa.
See adv index at end of book
Hewitt Rubber Co., Buffalo, N. Y.
Hill Pump Valve Co. ("Hill"), 4601 Belmont av, Chicago, Ill.
Home Rubber Co., Trenton, N. J.
Houghton E. F. Co. ("Vim"), 240H W Somerset, Phila., Pa.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
JENKINS BROS. (Rubber), 80 White, New York *See adv index at end of book*
Johns-Manville Inc. ("Vulcabeston"), Madison av & 41st, New York
Johns-Pratt Co., The ("Vulcabeston"), Hartford, Conn.
KINGHORN PUMP VALVE CO. ("Kinghorn"), 831 E 15th. Brooklyn, N. Y.
See adv index at end of book
Lake Erie Mfg. Co. ("Ideal"), 198 Chicago, Buffalo, N. Y.
Manhattan Rubber Mfg. Co., Passaic, N. J.
Mushet W. E. Co. ("Wemco"), 700 2nd, San Francisco, Cal.
Myers F. E. & Bro. Co., 950 Orange, Ashland, Ohio
See adv index at end of book
National India Rubber Co. (Rubber), Bristol, R. I.
National Marine Lamp Co., Forestville, Conn.
National Vulcanized Fibre Co. (Fibre), Beech & Maryland av, Wilmington, Del. *See adv index at end of book*
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Peck Geo. F. Mfg. Co., Chelsea, Mass.
Potter Wm. Co. ("Ajax" Chrome Leather), 430 E 3d, Los Angeles, Cal.
Quaker City Rubber Co. ("Ebonite," "900," "1004," "1100," "1101," "1234," "1400"), 3927 Comly, Philadelphia, Pa.
See adv index at end of book
Republic Rubber Co., Youngstown, Ohio
Robertson Jno. F. Co. (Metallic Multiplex), Park bldg, Pittsburgh, Pa.
Schacht Rubber Mfg. Co. (Rubber), Huntington, Ind.
Standard Fibre Co. (Hard Fibre), Miller st, Somerville, Mass.
Standard Rubber Co., 47 Tehama, San San Francisco, Cal.
STRONG MACHINERY & SUPPLY CO. ("I. O. P." Oil Proof Pump Valves), 292-294 Church, New York
See adv index at end of book
Victor-Balata & Textile Belting Co. ("V. B"), ("Victor-Balata" Cold Water), 38 Murray, New York
WESTERN PACKING & SUPPLY CO., 233 N Wells, Chicago, Ill.
See adv index at end of book
Western Rubber Co. (Rubber), Goshen, Ind.
Wilmington Fibre Specialty Co. (Hard Fibre), Wilmington, Del.

16371—Valves (Pump Regulating)

Atlas Valve Co., 282 South, Newark, N. J.
DUNHAM C. A. CO., 230 E Ohio, Chicago
See adv index at end of book
Hennebohle Frank, 81st & S Chicago av, South Chicago, Ill.
Mason Regulator Co. ("Mason"), Dorchester, Boston, Mass.
S. C. Regulator Mfg. Co., Fostoria, Ohio
Schade Valve Mfg. Co. ("Schade" It is a Pump Discharge Pressure Controlling Valve. A Pump Speed Governor & Positive Shut Off or Stop Valve), 2527 N Bodine, Philadelphia, Pa.
Standard Steam Specialty Co., 366 3d av, New York
Witt G. E. Co., 862 Howard, San Francisco, Cal.

16372—Valves (Quick-Closing)

Aaball Mfg. Co., 815 Larrabee, Chicago, Ill.
Allen & Billmyre Co., Inc., Grand Central Palace, New York
See adv index at end of book
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, O. *See adv index at end of book*
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Everlasting Valve Co., 49 Fisk, Jersey City, N. J.
Hennebohle Frank, 81st & S Chicago av, South Chicago, Ill.
Homestead Valve Mfg. Co., Homestead, Pa.
See adv index at end of book
Hydraulic Press Mfg. Co. ("H. P. M." High Pressure Hydraulic), 24 Lincoln av, Mount Gilead, O.
See adv index at end of book
Jenkins Bros., 80 White, New York
See adv index at end of book
Locke Regulator Co. ("Locke"), Salem, Mass.
Lunkenheimer Co. ("Handy," "Clip"), Beekman & Waverly, Cincinnati, O.
See adv index at end of book
Mason Regulator Co. ("Mason"), Dorchester Center, Boston, Mass.
Pacific Faucet Mfg. Co., 940 E 60th, Los Angeles, Cal.
Schutte & Koerting Co. ("Schutte" Marine Type Emergency), 1251 N 12th, Phila., Pa. *See adv index at end of book*
Strong, Carlisle & Hammond Co.("Strong"), 336-344 Frankfort av, N W, Cleveland, Ohio

16373-4—Valves (Quick-Opening)

Aaball Mfg. Co., 815 Arrabee, Chicago, Ill.
Allen & Billmyre Co., Inc., Grand Central Palace, New York
See adv index at end of book
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, O. *See adv index at end of book*
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Darling Valve & Mfg. Co. (Sliding Stem & Lever), Williamsport, Pa.
Detroit Lubricator Co. ("Detroit," "Genuine Detroit"), 5938 Trumbull, Detroit, Mich.
Everlasting Valve Co., 2 Rector, New York
Fairbanks Co., 416 Broome, New York
Gorton & Lingerwood Co. (Packless), 96 Liberty, New York
Hennebohle Frank, 81st & S Chicago av, South Chicago, Ill.
Homestead Valve Mfg. Co. ("Homestead"), Homestead, Pa.
See adv index at end of book
Hydraulic Press Mfg. Co. ("H. P. M." High Pressure Hydraulic), 24 Lincoln av, Mount Gilead, O.
See adv index at end of book
Jarecki Mfg. Co., Erie Pa.
Jenkins Bros., 80 White, New York
See adv index at end of book
Kelly & Jones Co. The ("Jewell" Radiator & Straightway), Greensburg, Pa.
See adv index at end of book
Kennedy Valve Mfg. Co., Elmira, N. Y.
See adv index at end of book
LUNKENHEIMER CO. ("Victor," "Handy," "Clip"), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McMann & Taylor Co., 104 John, New York
See adv index at end of book
Marsh Valve Co., Dunkirk, N. Y.
Mason Regulator Co. ("Mason"), Dorchester Center, Boston, Mass.
Merrill Co. ("Mirco"), 121 2nd, San Francisco, Cal.
Nelson Valve Co., Chestnut Hill, Phila., Pa.
Pacific Faucet Mfg. Co., 940 E 60th, Los Angeles, Cal.
Pekor Iron Works ("Pekors" Throttle), Columbus, Ga.
Pierce, Butler & Pierce Mfg. Corp., 437 East 162nd, New York
Pioneer Alloy Products Co., Inc., 16601 Euclid av, Cleveland, Ohio
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Pratt & Cady Co. ("P & C"), Hartford, Conn.
Scully Steel & Iron Co., 1127 Continental Bank bldg, Chicago, Ill.
Walworth Mfg. Co., 82 Pearl, Boston, Mass.
Williams & Wells, 253 Fulton, New York
See adv index at end of book

Valves (Automatic Air)

See Valves (Air)

16375—Valves (Radiator, Back-Offset)

Amalgamated Metals Selling Co., Ltd., 42 B'way, New York
Harris Pump & Supply Co., 318 2d av, Pittsburgh, Pa.
See adv index at end of book
Jenkins Bros., 80 White, New York
See adv index at end of book
Kelly & Jones Co., The, Greensburg, Pa.
See adv index at end of book
Marsh Valve Co., Dunkirk, N. Y.
Ohio Brass Co. ("O. B." Wood Wheel), Mansfield, O.

16376—Valves (Radiator, Corner)

Buckeye Iron & Brass Works (With or Without "Jenkins Disc"), Dayton, O.
Capital Brass Works ("Jenkins Disc," Male & Female), 596 Franklin, Detroit, Mich.
Chapman Valve Mfg. Co. ("Chapman"), Indian Orchard, Mass.
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Detroit Brass & Malleable Works, 1177 Holden, Detroit, Mich.
Dole Valve Co., 1923 Carroll, Chicago, Ill.
DUNHAM C. A. CO., 230 E Ohio, Chicago
See adv index at end of book
Eureka Brass Works ("Eureka"), 1040 Hulbert av, Cincinnati, O.
Fairbanks Co., 416 Broome, New York
Gorton & Lidgerwood Co., 96 Liberty, New York
Hammond Brass Works, Hammond, Ind.
Jenkins Bros., 80 White, New York
See adv index at end of book
Kelly & Jones Co., The (Offset Brass), Greensburg, Pa.
See adv index at end of book
Kennedy Valve Mfg. Co., Elmira, N. Y.
See adv index at end of book
Marsh Valve Co., Dunkirk, N. Y.
Milwaukee Valve Co. ("M"), 139 Burrell, Milwaukee, Wis.
Ohio Brass Co. ("O. B." Wood Wheel), Mansfield, O.
O'Malley-Beare Valve Co. ("Multiplate"), Railway & Exchange bldg, Chicago, Ill.

(Continued on following page)

Valves (Radiator, Corner)—Cont.

PRIER WALTER H. CO., 230 E Ohio, Chicago, Ill.
See adv index at end of book

Powell Wm. Co. ("White Star" Corner Offset & Union Disc.), 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book

Simmons John Co., 110 Center, New York
See adv index at end of book

Stephens Roe Mfg. Co. ("Scott"), 1097 McKinley, Detroit, Mich.

Watts Regulator Co. ("Watts"), Lawrence, Mass.

Walworth Mfg. Co., 32H Pearl, Boston, Mass.

16377—Valves (Radiator Inlet)

Aaball Mfg. Co. (Quick Opening & Closing), 815 Larrabee, Chicago, Ill.

Albany Steam Trap Co. ("Blessing"), Albany, N. Y.

American District Steam Co. ("Adsco" Graduated), N Tonawanda, N. Y.

Am. Radiator Co., 816 Michigan av, Chicago, Ill.

American Valve Co., Coxsackie, N. Y.

Belknap Mfg. Co., 800 Union av, Bridgeport, Conn.

Bethlehem Shipbuilding Corp., Ltd., Dept. H, Broadhead & Parker av, Bethlehem, Pa.

Buckeye Iron & Brass Works (With or Without "Jenkins Disc"), Dayton, O.

Capital Brass Works ("Jenkins Disc," Male & Female), 2306 Franklin, Detroit, Mich.

Chapman Valve Mfg. Co. ("Chapman"), Indian Orchard, Mass.

Commonwealth Brass Works, Commonwealth av & Ry, Detroit, Mich.

Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book

Davis Louis N. ("Davis" Graduated), West Chester, Pa.

Detroit Brass & Malleable Works, 1177 Holden, Detroit, Mich.

Detroit Lubricator Co. (Quick Opening & Interlocking Steam "Detroit"), Detroit, Mich.

Dole Valve Co. (Packless), 1923 Carroll av, Chicago, Ill.

Doody Vapor Heating Co., 46 Cornhill, Boston, Mass.

Dukerschien L. W. Heating & Ventilating Co., Oshkosh, Wis.

DUNHAM C. A. CO. (Packless), 230 E Ohio, Chicago, Ill.
See adv index at end of book

Eureka-Brass Works ("Eureka"), 1040 Hulbert av, Cincinnati, O.

Fairbanks Co. (Vulcabeston Ring Disc), 416 Broome, New York

Fulton Co. ("Sylphon," Packless), Knoxville, Tenn.

Gold Car Heating & Lighting Co., 220 36th, Brooklyn, N. Y.

Gorton & Lidgerwood Co., 96 Liberty, New York

Harris Pump & Supply Co., 318 2d av, Pittsburgh, Pa.
See adv index at end of book

Gurney Heater Mfg. Co. (Jobbers), 93-95 Oliver, Boston, Mass.

Hoffman Specialty Co. ("Hoffman" Modulating), Grand & Field, Waterbury, Conn.

Jarecki Mfg. Co., Phila., Pa.

JENKINS BROS., 80 White, New York
See adv index at end of book

Kelly Brass Works (Automatic Air), 226 W Ontario, Chicago, Ill.

Kelly & Jones Co. ("Universal"), Greensburg, Pa.
See adv index at end of book

Kennedy Valve Mfg. Co. (With Wood Wheels, etc.), Elmira, N. Y.
See adv index at end of book

Larkin J. K. & Co., 253 Broadway, New York *See adv index at end of book*

LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*

McAlear Mfg. Co. (Graduating), 1901 So Western av, Chicago, Ill.

McMann & Taylor Co., 104 John, New York *See adv index at end of book*

McNab & Harlin Mfg. Co., Paterson, N. J.

Magee Steam Specialty Corp. ("Jumbo"), 50 Vesey, New York

Marsh Valve Co., Dunkirk, N. Y.

Michigan Lubricator Co., 3643 Beaubien, Detroit, Mich.

Milwaukee Valve Co. ("M"), 139 Burrell, Milwaukee, Wis.

Monash-Younker Co. ("Monash" Parkless), 551 W Monroe, Chicago, Ill.

Mouat-Squires Co., 1246 W 4th, Cleveland, O.

Nason Mfg. Co., 71 Fulton, New York
See adv index at end of book

Ohio Brass Co. ("O. B." Wood Wheel), Mansfield, O.

O'Malley-Beare Valve Co. ("Multiplate"), Railway Exchange bldg, Chicago, Ill.

Page W. H. Boiler Co., 58 W 40th, New York

Pearce W. H. & Co. ("Crescent" Vapor), 115 S Dearborn, Chicago, Ill.

Penn Engineering Co., 312 Cherry, Phila., Pa.

Phelps Heating Specialty Co., 101 Beekman, New York

PIERCE BUTLER & PIERCE MFG. CORP. (Packless), 41 East 42nd, New York

POWELL WM. CO. ("White Star," "Union Composite Disk" & "Model Star" Globe Angle, Cross & Corner Patterns), 2525 Spring Grove av, Cincinnati, O. *See adv index at end of book*

POWERS REGULATOR CO., 2773 Greenview av, Chicago, Ill.
See adv index at end of book

Pratt & Cady Co. ("P & C"), Hartford, Conn.

PRIER WALTER H. CO. (Hot Water), 230 E Ohio, Chicago, Ill.
See adv index at end of book

Rado Co., Milwaukee, Wis.

Simmons John Co., 110 Centre, New York
See adv index at end of book

Star Brass Mfg. Co. ("Renewable"), 53 Oliver, Boston, Mass.

Stephens Roe Mfg. Co. ("Scott" "Chicago"), 1097 McKinley, Detroit, Mich.

SUPERIOR BRASS MFG. CO. (THE), 98 Wayne, Mansfield, Ohio
See adv index at end of book

Syracuse Faucet & Valve Co. ("Syracuse Packless"), Eastwood, N. Y.

United States Radiator Corp., 133 E Grand River, Detroit, Mich.

Walworth Mfg. Co., Boston, Mass.

Webster Warren & Co. ("Webster" Modulation), Camden, N. J.

Williams D. T. Valve Co., Cincinnati, O.

Williams & Wells Co., 253 Fulton, New York *See adv index at end of book*

16378—Valves (Radiator Venting)

Aaball Mfg. Co. (Quick Opening & Closing), 815 Larrabee, Chicago, Ill.

Albany Steam Trap Co. ("Blessing"), Albany, N. Y.

American District Steam Co. ("Adsco" Graduated), N Tonawanda, N. Y.

Am. Radiator Co., 816 Michigan av, Chicago, Ill.

American Valve Co., Coxsackie, N. Y.

Beaton & Cadwell Mfg. Co. ("Jumbo," "Perfection"), New Britain, Conn.

Belfield H. Co. (Iron & Brass), 435 N Broad, Phila., Pa.

Belknap Mfg. Co. (Quick Opening), 800 Union av, Bridgeport, Conn.

Bethlehem Shipbuilding Corp. Ltd., Broadhead & Parker av, Bethlehem, Pa.

Buckeye Iron & Brass Works (With or Without "Jenkins Disc"), Dayton, O.

Capital Brass Works (Male & Female), 2306 Franklin, Detroit, Mich.

Chapman Valve Mfg. Co. ("Chapman"), Indian Orchard, Mass.

Commonwealth Brass Corp. (Packless), 5781 Commonwealth av & Ry, Detroit, Mich.

CRANE CO. (Angle Corner, etc.), 836 S Michigan av, Chicago, Ill.
See adv index at end of book

Detroit Brass & Malleable Works, 1177 Holden, Detroit, Mich.

Dole Valve Co., 1923 Carroll av, Chicago, Ill.

DUNHAM C. A. CO., 230 E Ohio, Chicago
See adv index at end of book

Eureka Brass Works ("Eureka"), 1040 Hulbert av, Cincinnati, O.

Gorton & Lidgerwood Co., 96 Liberty, New York

Hammond Brass Works, Hammond, Ind.

Hoffman Specialty Co. ("Hoffman" Air), Grand & Field, Waterbury, Conn.

Honeywell Heating Specialty Co. ("Honeywell," "Unique"), Wabash, Ind.

Jarecki Mfg. Co., Erie, Pa.

Jenkins Bros., 80 White, New York
See adv index at end of book

KELLY & JONES CO. THE ("Jewell" Quick Opening with Unions), Greensburg, Pa. *See adv index at end of book*

Kennedy Valve Mfg. Co., Elmira, N. Y.
See adv index at end of book

LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*

McMann & Taylor Co., 104 John, New York
See adv index at end of book

Magee Steam Specialty Corp. ("Jumbo"), 50 Vesey, New York

Marsh Valve Co., Dunkirk, N. Y.

Milwaukee Valve Co. ("M"), 139 Burrell, Milwaukee, Wis.

Monash-Younker Co. ("Monash"), 551 W Monroe, Chicago, Ill.

Ohio Brass Co. ("O. B." Wood Wheel), Mansfield, O.

Penn Eng'ng Co., 312 Cherry, Phila., Pa.

Pierce, Butler & Pierce Mfg. Corp., 437 East 162nd, New York

Simmons John Co., 110 Centre, New York
See adv index at end of book

Stephens Roe Mfg. Co. ("Chicago" Quick Opening), 10997 McKinley, Detroit, Mich.

United States Radiator Corp., 133 E Grand River, Detroit, Mich.

Valves (Reducing)

See Valves, Pressure Reducing

16379—Valves (Regrinding)

Bethlehem Shipbuilding Corporation Ltd., Bethlehem, Pa.

Buckeye Iron & Brass Works, 322 E 3rd, Dayton, O. *See adv index at end of book*

Capitol Brass Works, 2306 Franklin, Detroit, Mich.

Coast Supply Co. ("Hercules"), 590H Howard, San Francisco, Cal.

Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*

CRANE CO., 836 S Michigan av, Chicago, Ill. *See adv index at end of book*

Detroit Brass & Malleable Works, 1177 Holden, Detroit, Mich.

Everlasting Valve Co., 49 Fisk, Jersey City, N. J.

Fairbanks Co., 416 Broome, New York

Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book

Harris Pump & Supply Co., 318 2d av, Pittsburgh, Pa.
See adv index at end of book

Jarecki Mfg. Co., Erie, Pa.

KELLY & JONES CO. THE ("Excelsior" Brass), Greensburg, Pa.
See adv index at end of book

REGRINDING
EXCELSIOR VALVES
HEAVY AND DURABLE
Medium Pattern for 200 lbs. pressure. Extra Heavy for 300 lbs. live steam pressure.
Write for Circular
THE KELLY & JONES CO.
GREENSBURG, PA.

Kennedy Valve Mfg. Co., Elmira, N. Y.
See adv index at end of book

LUNKENHEIMER CO. ("Renewo," "Ferrenewo"), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*

McMann & Taylor Co., 104 John, New York
See adv index at end of book

Nelson Valve Co., Chestnut Hill, Phila., Pa.

Penberthy Injector Co. ("Penberthy"), 346 Holden av, Detroit, Mich.

Pierce, Butler & Pierce Mfg. Corp., 437 East 162nd, New York

Pittsburgh Valve & Fittings Co., Barberton, O.

Powell Wm. Co. ("White Star" & "Model Star" Globe, Angle, Cross & Check), 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book

Pratt & Cady Co. ("P. & C." Check), Hartford, Conn.

Walworth Mfg. Co. ("Kewanee"), 82H Pearl, Boston, Mass.

Williams D. T. Valve Co., Cincinnati, O.

Williams Wm. E. ("Wew"), 62 Front, New York

Williams & Wells, 253 Fulton, New York
See adv index at end of book

16380—Valves (Regulating)

See also Regulators, Pressure; also Governors, Pump

BLAW-KNOX CO., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book

Cash A. W. Co., Dept. H, P. O. Box 135, Decatur, Ill.
See adv index at end of book

POWERS REGULATOR CO., 2773 Greenview av, Chicago, Ill.
See adv index at end of book

Regulating Valves
for Temperature, Pressure
and Humidity
See advertisement adjacent to Regulators for description
POWERS REGULATOR CO.
2773 Greenview Avenue Chicago

16381— Valves (Relief)

Ashton Valve Co. ("Ashton"), 161 First, Cambridge, Mass.

Atwood & Morrill ("XXth Century" Horizontal, Vertical, Angle & Down Discharge), Salem, Mass.

American Schaeffer & Budenberg Corp., Berry & S 5th, Brooklyn, N. Y.
See adv index at end of book

Atlas Valve Co., 282 South, Newark, N. J.

Best W. N., Inc. ("Calorex"), 11 B'way, New York

Boston Brass Co. ("B. B."), 135 Bacon, Waltham, Mass.

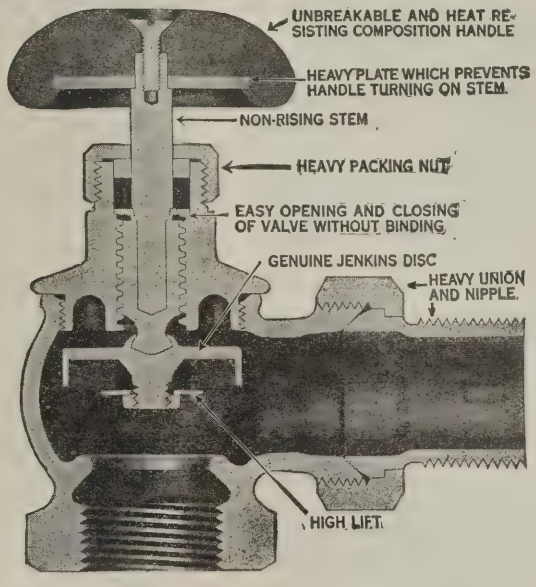
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, O. *See adv index at end of book*

(*Continued on page* 2198)

Prier Radiator Valves



Non-rising stem
HIGH LIFT



ATTRACTIVE in design, manufactured by high grade craftsmen from uniformly high quality material, this valve, while adapted to heating systems generally, is particularly approved for forced systems of hot water heating and one-pipe steam systems because of the exceptional free drainage of water which it affords.

A Quality Valve at a Reasonable Price

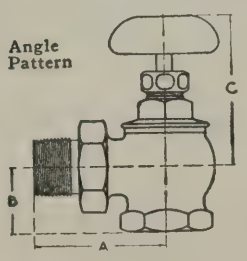
Two outstanding values of the Prier design are the Non-rising stem and the High Lift

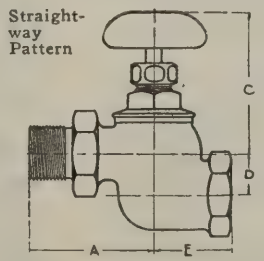
Material

The body and all parts are made of high grade brass. GENUINE JENKINS DISCS ARE USED, the disc being securely held in place in its holder. The handle is non-breakable and is molded of a special heat-resisting composition with hard rubber finish. A valuable feature of this handle is that because of the metal plate molded into the composition, the rubber handle cannot turn on the stem. Another strong feature of the valve is the easy opening and closing of the handle without binding. A strongly made packing nut and gland holds the molded packing in place.

DIMENSIONS AND WEIGHTS

Size	DIMENSIONS					NET WEIGHT	
	A	B	C	D	E	Pounds	Pounds
¾″	3 1/16″	1¼″	3½″	¾″	1⅛″	Angle, 1¾	Others, 2¼
1″	3⅛″	1½″	3½″	1″	1⅞″	Angle, 2¼	Others, 2¾
1¼″	3½″	1⅝″	3½″	1⅛″	2 1/16″	Angle, 3¼	Others, 3¾
1½″	3¾″	1⅞″	3½″	1¼″	2 5/16″	Angle, 4	Others, 5
2″	4⅜″	2¼″	3½″	1½″	2 11/16″	Angle, 5½	Others, 6¼





Workmanship

Close grained smooth castings molded, finished and nickel plated in our own foundries and shops produce a valve of unusual beauty and service.

Those parts of the valves—hexes, nuts and union nipple—on which the steamfitters' tools are used are made especially heavy and have a milled finish.

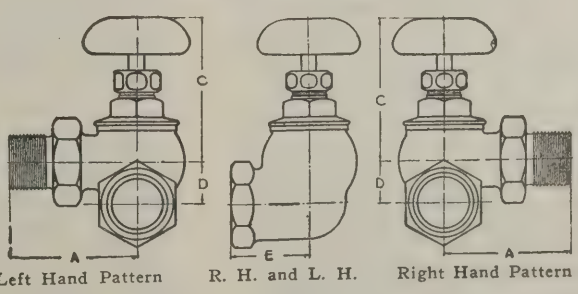
Prier valves are individually tested and inspected before shipment.

All parts of Prier valves are easily accessible and are interchangeable.

Walter H. Prier Company

230 East Ohio Street
CHICAGO

Factories: Marshalltown, Iowa



Valves (Relief)—Continued

CASH A. W. CO. (Air; Gases of various kinds; Steam; Water), Dept. H, P. O. Box 135, Decatur, Ill.
See adv index at end of book

CASH STANDARD RELIEF VALVES

Many types for all services—all sizes; diaphragm, back pressure, globe, angle, angle exhaust, pressure and vacuum. Ask for complete descriptions—sizes, types, services, etc.

A. W. Cash Co., Dept. H. Decatur, Ill.

Chambersburg Engng. Co. (Hydraulic), Chambersburg, Pa.
Collar Valve Corp. ("Collar"), Federal bldg, Oakland, Cal.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Crane Co. (Water), 836 S Michigan av, Chicago, Ill. *See adv index at end of book*
Davidson M. T. Co. ("Davidson" Automatic Exhaust for Condensing Engines), 154 Nassau, New York

DAVIS G. M. REGULATOR CO. (Exhaust), 434 Milwaukee av, Chicago, Ill.

Decatur Pump & Mfg. Co., Decatur, Ill.
Donnelly Mfg. Co. ("Donnelly"), 10 High, Boston, Mass.
Edward Valve & Manfg. Co. (Atmospheric) East Chicago, Ind.

Fairbanks Co., 416 Broome, New York
Fisher Governor Co., Marshalltown, Ia.
Foster Engineering Co. (Air, Water, Steam & Atmosphere), 109 Monroe, Newark, N. J.
Garrett W. D. & Son (Atmospheric), 118 E 28th, New York
Golden-Anderson Valve Specialty Co. ("Anderson," Water Pressure, etc), Fulton bldg, Pittsburgh, Pa.
Hammett H. G. ("Richardson," Also Combined Pressure & Vacuum Relief), Troy, New York
Hennebohle Frank (Ammonia), 31st & S Chicago av, South Chicago, Ill.
Hydraulic Press Mfg. Co. ("H. P. M." High Pressure Hydraulic), 24 Lincoln av, Mount Gilead, O.
See adv index at end of book
Jenkins Bros. (Automatic Exhaust), 80 White, New York
See adv index at end of book
Kellogg M. W. Co. (Automatic, Atmospheric Exhaust), 90 West, New York
See adv index at end of book
Kelly & Jones Co., The, Greensburg, Pa.
See adv index at end of book
Klipfel Mfg. Co. ("K. & T."), 2651 W. Harrison, Chicago, Ill.
Kunkle Valve Co., 118 N Clinton, Fort Wayne, Ind.
Lalor Fuel Oil System Co. (High & Low Pressure), 527H Colvin, Baltimore, Md.
Larkin J. K. & Co., 34 Reade, New York
See adv index at end of book
Larkin Mfg. Co., Dayton, O.
Locke Regulator Co. ("Locke" or Vacuum Breaker), Salem, Mass.
Lombard Governor Co. (From 5 to 23 inches in Diameter, for Water Wheel Power), Ashland, Mass.
Lorraine Gas & Oil Separator Co., Washington bldg, Los Angeles, Cal.
Ludlow Valve Mfg. Co. ("Ludlow"), ft. of Adams, Troy, N. Y.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
See adv index at end of book
McAlear Mfg. Co. (Atmospheric & Automatic for Steam), 1901 S Western av, Chicago, Ill.
McMann & Taylor Co., 104 John, New York
See adv index at end of book
McRae & Roberts Co., 100 So Campbell av, Detroit, Mich.
Manning, Maxwell & Moore, Inc. (Consolidated Safety Valve Co. Div.), (Oil Still), 100 E 42d, New York
See adv index at end of book
Mason Regulator Co. ("Mason"), Dorchester, Boston, Mass.
Mowell Augustus & Co. ("Mowell" Automatic), Paterson, N. J.
Mueller H. Mfg. Co. (also Globe Valves), Decatur, Ill.
See adv index at end of book
Nason Mfg. Co., 71 Fulton, New York
See adv index at end of book
Pierce, Butler & Pierce Mfg. Corp., 437 East 162nd, New York City
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Ross Valve Mfg. Co. ("Trojan" for Water Mains), 9 Oakwood av, Troy, N. Y.
Ruggles-Klingmann Mfg. Co. ("R.-K."), (Atmospheric, for Steam, Water or Air), Salem, Mass.
S. C. Regulator Mfg. Co., Fostoria, Ohio
Schutte & Koerting Co., 1251 N 12th, Phila., Pa. *See adv index at end of book*
Simmons John Co., 110 Centre, New York
See adv index at end of book
Smolensky M. Mfg. Co., Jasper av, & Ridge rd, Cleveland, O.
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of boo
Stack Heater Co. ("Stack" Safety), 39H Sudbury, Boston, Mass.
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.
Threaded Products Co., 8th & Carlton, Berkeley, Cal.
Triumph Valve Mfg. Co., Mansfield, O.
Valle-Kimes Co. ("V. & K."), Dayton, O.
Watertown Specialty Co. ("Watertown" Automatic Oil), Watertown, N. Y.
Wheeler C. H. Mfg. Co. ("Multifex" Atmospheric), Lehigh av & 18th, Phila., Pa.
Wheeler Condenser & Engng. Co. (Air), W Carteret, N. J.
Williams Wm. E. ("Wew"), 62 Front, New York
Witt G. E. Co., 862 Howard, San Francisco, Cal.
Worthington Pump & Machy. Corp. (Exhaust & Automatic Exhaust), 115 Broadway, New York
Yarnall Waring Co. (Air Compressor), Chestnut Hill, Phila., Pa.

16381a—Valves (Renewable Disc)

Belfield H. Co. ("J. R. G."), 435 N Broad, Phila., Pa.
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, O. *See adv index at end of book*
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Edward Valve & Mfg. Co., East Chicago, Ind.
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Homestead Valve Mfg. Co. "Hovalco"), Homestead, Pa.
See adv index at end of book
Jenkins Bros., 80 White, New York
See adv index at end of book
KELLY & JONES CO. THE, (Our Improved Re-new disc valve is one of the most durable brass valves on the market. Furnished with Malleable Iron bonnet rings and stuffing nuts, has gland in stuffing box and disc holder is so constructed that the disc can be quickly renewed. Designed for 150 lbs steam working pressure and can be furnished in Globe, Angle or Check styles ¼ in. to 2 in. A truly reliable and economical valve. Write for circular), Greensburg, Pa.
See adv index at end of book
Kennedy Valve Mfg. Co., Elmira, N. Y.
See adv index at end of book
Pierce, Butler & Pierce Mfg. Corp., 437 East 162nd, New York City
Reading Steel Casting Co., Reading, Pa.

16382—Valves (Renewable Seat)

Albany Steam Trap Co. ("Blessing"), Albany, N. Y.
Bashlin Co., Warren, Pa.
Chapman Valve Mfg. Co. ("Chapman"), Indian Orchard, Mass.
Chemical Equipment Co., 2457 S Western av, Chicago, Ill.
Coast Supply Co. ("Hercules"), 590H Howard, San Francisco, Cal.
Collar Valve Corp. ("Collar"), Federal bldg, Oakland, Cal.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Darling Valve & Mfg. Co., Williamsport, Pa.
Edward Valve & Mfg. Co., East Chicago, Ind.
Fairbanks Co., 416 Broome, New York
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Homestead Valve Mfg. Co. ("Hovalco"), Homestead, Pa.
See adv index at end of book
Hydraulic Press Mfg. Co. ("H. P. M." High Pressure Hydraulic), 24 Lincoln av, Mount Gilead, O.
See adv index at end of book
Jarecki Mfg. Co., Erie, Pa.
Jenkins Bros., 80 White, New York
See adv index at end of book
KELLY & JONES CO. THE, Greensburg, Pa. *See adv index at end of book*
Kennedy Valve Mfg. Co., Elmira, N. Y.
LUNKENHEIMER CO. ("Renewo" "Farrenewo"), Beekman & Waverly, Cincinnati, Ohio
See adv index at end of book
Powell Wm. Co. ("White Star"), 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Pratt & Cady Co. ("P & C" Gate), Hartford, Conn.
Reading Steel Casting Co., Reading, Pa.
Richardson-Phenix Co. ("R. P. Nokut"), 151 2nd, Milwaukee, Wis.
Walworth Mfg. Co., 82H Pearl, Boston, Mass.

16383— Valves (Reversing)

Amsler Morton Co. ("Amsler"), Hoboken, Pa.
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburg, Pa.
See adv index at end of book

BLAW-KNOX CO.
681 Farmers Bank Building
PITTSBURGH, PA.
Manufacturers of
Open Hearth Reversing Valves

Capitol Brass Works, 2306 Franklin, Detroit, Mich.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Gas Machinery Co. (Gas), 1900 Euclid av, Cleveland, O.
Johns - Manville, Inc. ("Vulcabeston"), Madison av & 41st, New York
Morgan Construction Co. ("Dybic" & "Isley" Air or Gas), Worcester, Mass.
Sterritt-Thomas Foundry Co. ("Sieman"), 32d & Smallman, Pittsburgh, Pa.
Swindell Wm. & Bro., Pittsburgh, Pa.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
Wellman-Seaver-Morgan Co. ("W. S. M." Sealed), E 70th & Central av, Cleveland, Ohio

16384— Valves (Rubber)

Acme Rubber Mfg. Co., Trenton, N. J.
Anchor Packing Co. ("Ankorite"), Lafayette bldg, Phila., Pa.
Atlantic India Rubber Works, 1453 W Van Buren
Boston Belting Corp., 84 Linden Park, Boston, Mass.
Buffalo Weaving & Belting Co., 215 Chandler, Buffalo, N. Y.
Canfield H. O. Co., 191 Harstanic av, Bridgeport, Conn.
Cincinnati Rubber Mfg. Co. (Pump), Cincinnati, O.
Continental Rubber Works, Erie, Pa.
Crosby Steam Gage & Valve Co. ("Branden"), 40 Central, Boston, Mass.
Elkhart Rubber Works, Elkhart, Ind.
Empire Tire & Rubber Corp., Trenton, N. J.
Essex Rubber Co., Trenton, N. J.
Excelsior Valve Co. ("Excelsior"), 108 Fulton, New York
Federal Rubber Co., The, Cudahy, Wis.
Goodrich B. F. Rubber Co., Akron, Ohio
Goodyear Tire & Rubber Co., Inc. ("Goodyear" Pump), 1144 E Market, Akron, Ohio
Gutta Percha & Rubber Mfg. Co., 350 Madison av, New York
Harris Pump & Supply Co., 318 2d av, Pittsburgh, Pa.
See adv index at end of book
Home Rubber Co., Trenton, N. J.
Jenkins Bros., 80 White, New York
See adv index at end of book
Johns-Manville H. W. Co. ("Vulcabeston"), Madison av & 41st, New York
Long-Turney Corp., 1920 E Vernon, Los Angeles, Cal.
Manhattan Rubber Mfg. Co., Passaic, N. J.
Mercer Rubber Co., Hamilton Square, N. J.
Myers F. E. & Bro. Co., 950 Orange, Ashland, O.
See adv index at end of book
National India Rubber Co., Bristol, R. I.
N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
New York Belting & Packing Co. (Pump & Ball), 91 Chambers, New York
O'Malley Beare Valve Co. ("Multiplate"), Railway Exchange bldg, Chicago, Ill.
Pratt & Cady Co. ("P. & C" Hydrant). Hartford, Conn.
QUAKER CITY RUBBER CO. ("Ebonite," "900," "1004," "1100," "1101," "1234," "1400"), 3927 Comly, Philadelphia, Pa.
See adv index at end of book
Republic Rubber Corp., Dept. H, Youngstown, O.
Revere Rubber Co., Chelsea, Mass.
Southwark Foundry & Machine Co. (Factory), 1128 S 4th, Phila., Pa.
See adv index at end of bcok
Strong Machinery & Supply Co. ("Strong's" "J. O. P." Oil Proof Pump Valves), 292-294 Church, New York
See adv index at end of book
United & Globe Rubber Co., Trenton, N. J.
U. S. RUBBER CO. (Marine Pump, etc.), 1790 Broadway, New York
See adv index at end of book
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
Western Packing & Supply Co., 233 N Wells, Chicago, Ill.
See adv index at end of book
Western Rubber Co. (Pump), Goshen, Ind.
Whitehead Bros. Rubber Co., Trenton, N. J.
Woven Steel Hose & Rubber Co., Trenton, N. J.

16385— Valves (Sacking)

Sackett A. J., cor 4th av & 1st, Baltimore, Md.



VALVES
and
ENGINEERING SPECIALTIES
for
Gasoline, Steam, Air and Water

VALVES—for Gasoline Pumps, Steam Engines, Air Compressors, Water Supply Systems, Hydraulic Systems, etc.

BOILER TRIMMINGS—Water Gauges, Fusible Plugs, Gauge Cocks, Air Cocks, Cylinder Cocks.

We design and make Special Valves and Brass Parts for manufacturers particular needs. Let us quote on your Special Valves

BUCKEYE IRON & BRASS WORKS

Manufacturers of Quality Brass Goods since 1860

322 EAST THIRD STREET DAYTON, OHIO, U. S. A.

16386— Valves (Safety)

Am. Radiator Co., 816 Michigan av, Chicago, Ill.
Andrews Heating Co., ("Andrews" Regulating), Minneapolis, Minn.
Ashton Valve Co. ("Ashton"), 161 First, Cambridge, Mass.
Belfield H. Co. (Brass or Iron), 435 N Broad, Phila., Pa.
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, O. *See adv index at end of book*
Chambersburg Engineering Co. (Hydraulic), Chambersburg, Pa.
Coale Muffler & Safety Valve Co., 325 E. Oliver, Baltimore, Md.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
CRANE CO., 836 Michigan, Chicago, Ill. *See adv index at end of book*
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
Detroit Lubricator Co. ("Detroit" "Genuine Detroit"), 5938 Trumbull, Detroit, Mich.
Fairbanks Co., 416 Broome, New York
Hennebohle Frank, 31st & S Chicago av, South Chicago, Ill.
Hoffmann & Billings Mfg. Co., 100 2nd, Milwaukee, Wis.
Hydraulic Press Mfg. Co. ("H. P. M." High Pressure Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*
Jarecki Mfg. Co., Erie, Pa.
Jenkins Bros., 80 White, New York *See adv index at end of book*
Kelly & Jones Co. The, Greensburg, Pa. *See adv index at end of book*
Kunkle Valve Co., 119 N Clinton, Fort Wayne, Ind.
Locke Regulator Co., Salem, Mass.
Lonergan J. E. Co. (Spring Loaded), 211 Race, Philadelphia, Pa.
LUNKENHEIMER CO. ("Duplex," "Twin," "Midget," "Air Gas Pop"), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McNab & Harlin Mfg. Co. (Brass & Iron Body), Paterson, N. J.
McRae & Roberts Co., 100 So Campbell av, Detroit, Mich.
MANNING MAXWELL & MOORE INC. (Consolidated Safety Valve Co. Div.) ("Consolidated"), 100 E 42nd, New York *See adv index at end of book*
Mattingly Automatic Valve Co. ("Mattingly"), 714 N 2d, St. Louis, Mo.
Milwaukee Valve Co. ("M," Brass), 139 Burrell, Milwaukee, Wis.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa
O'Malley-Beare Valve Co. ("Multiple"), Railway Exchange bldg, Chicago, Ill.
Powell Wm. Co. (Brass & Iron Angle & Cross, 2525 Spring Grove av, Cincinnati, O. *See adv index at end of book*
Pratt & Cady Co. ("P & C"), Hartford, Conn.
Simmons John Co., 110 Centre, New York *See adv index at end of book*
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa. *See adv index at end of book*
Star Brass Mfg. Co. ("Star"), 52 Oliver, Boston, Mass.
Stephens, Roe Mfg. Co. ("Orme," "Scott"), 1097 McKinley, Detroit, Mich.
Springfield Brass Co., Springfield, O.
Walworth Mfg. Co., Boston, Mass.

16387—Valves (Screw Down Check)

Bethlehem Shipbuilding Corporation Ltd., Bethlehem, Pa.
Capitol Brass Works, 2306 Franklin, Detroit, Mich.
Kelly & Jones Co. The, Greensburg, Pa. *See adv index at end of book*
Pierce, Butler & Pierce Mfg. Corp., 437 East 162nd, New York City
Williams & Wells Co., 253 Fulton, New York *See adv index at end of book*

16389— Valves (Sheer)

Coldwell-Wilcox Co., Newburgh, N. Y.

16390—Valves (Shower Bath)

Capitol Brass Works, 2306 Franklin, Detroit, Mich.
Clow Jas. B. & Sons ("Clow"), Franklin & Harrison, Chicago, Ill.
Dececo Co., 76 Battery March, Boston, Mass.
Federal-Huber Co., 234 N Halsted, Chicago, Ill.
Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
Haydenville Co. ("Haydenville" Self-Closing), Haydenville, Mass.
Hoffmann & Billings Mfg. Co. (Niedecken Mixer), 100 2nd, Milwaukee, Wis.
Jenkins Bros., 80 White, New York *See adv index at end of book*
Lehnert & Co., 334 E 23d, New York
Leonard Rooks Co., 486 Broad, Providence, R. I.
Mott J. L. Iron Works, Trenton, N. J.
Pacific Faucet Mfg. Co., 940 E 60th, Los Angeles, Cal.
POWERS REGULATOR CO., 2773 Greenview av, Chicago, Ill. *See adv index at end of book*

Powers Shower Bath Control Valves
Non-Thermostatic
Absolutely Scald-Proof
Write for Booklet
POWERS REGULATOR CO.
2773 Greenview Avenue Chicago

Sanitas Mfg. Co., 105 Washington, Boston, Mass.
Smith & Abbott Co., Portland, Me.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Street & Kent Mfg. Co., 549 Fulton, Chicago, Ill.
Vulcan Brass Mfg. Co., 9110 Woodland av, Cleveland, O.
Watrous Co., 410 N Michigan blvd, Chicago, Ill.
Webb F. W. Mfg. Co., 56 Elm, Boston, Mass.
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.
Wolverine Brass Wks., Grand Rapids, Mich.

16391—*Valves (Sight Feed)

LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*

16392— Valves (Slide)

Hammett H. G. ("Richardson," "Allen-Richardson," Balanced), Troy, N. Y.
Young C. C. ("Jack Wilson" High Pressure Balanced), Jersey Shore, Pa.

16393— Valves (Snifting)

Ashton Valve Co. ("Ashton"), 161 First, Cambridge, Mass.
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
Jones Jas. Co., 201 Leroy, Los Angeles, Cal.
Kunkel Mfg. Co. ("Peerless Prism"), 781 S San Pedro, Los Angeles, Cal.
Kunkle Valve Co., 119 N Clinton, Fort Wayne, Ind.
Williams Wm. E. ("Wew"), 62 Front, New York
Williams & Wells Co., 253 Fulton, New York *See adv index at end of book*

16394—Valves (Solenoid Operated)

Capitol Brass Works, 2306 Franklin, Detroit, Mich.
CUTLER-HAMMER MFG. CO., 12th & St. Paul av, Milwaukee, Wis. *See adv index at end of book*
Edward Valve & Mfg. Co., East Chicago, Ind.
Fuller-Lehigh Co., Fullerton, Pa. *See adv index at end of book*
Jenkins Bros., 80 White, New York *See adv index at end of book*
Kennedy Valve Mfg. Co., Elmira, N. Y. *See adv index at end of book*

16395— Valves (Special Designs)

BUCKEYE IRON & BRASS WORKS, 322 E 3rd, Dayton, Ohio *See adv index at end of book*
Continental Supply Co., Post Dispatch bldg, St. Louis, Mo.
Edward Valve & Mfg. Co., East Chicago, Ind.
Hydraulic Press Mfg. Co. ("H. P. M." High Pressure Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*
Kennedy Valve Mfg. Co., Elmira, N. Y. *See adv index at end of book*
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*

16396— Valves (Stand Pipe)

Golden-Anderson Valve Specialty Co. ("Anderson"), Fulton bldg, Pittsburgh, Pa.
Hunt Rodney Mach. Co., Orange, Mass.
Jones Jos. Co., 201 Leroy, Los Angeles, Cal.
Pratt & Cady Co. ("P & C"), Hartford, Conn.
Simplex Valve & Meter Co. (Controlling Valves for Stand Pipes or Reservoirs), 5718 Race, Philadelphia, Pa.

16397—Valves (Steam, Air)

Buckeye Iron & Brass Works, 322 E 3rd, Dayton, O. *See adv index at end of book*
Chapman Valve Mfg. Co. ("Chapman"), Indian Orchard, Mass.
Collar Valve Corp. ("Collar"), Federal bldg, Oakland, Cal.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Consolidated Car Heating Co., Dept. H, Albany, N. Y.
CRANE CO., 836 Michigan av, Chicago, Ill. *See adv index at end of book*
Detroit Brass & Malleable Works, 1177 Holden, Detroit, Mich.
Dole Valve Co., 1923 Carroll, Chicago, Ill.
DUNHAM C. A. CO., 230 E Ohio, Chicago *See adv index at end of book*
Edward Valve & Mfg. Co., East Chicago, Ind.
Fairbanks Co. (Steam), 416H Broome, New York
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa. *See adv index at end of book*
Graffenberger Valve Co. ("Graffenberger"), 495 E Taylor, Portland, Ore.
Harris Pump & Supply Co., 318 2d av, Pittsburgh, Pa. *See adv index at end of book*
Jarecki Mfg. Co., Erie, Pa.

(Continued on following page)

Valves (Steam, Air)—Continued

Jenkins Bros., 80 White, New York
See adv index at end of book
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Kennedy Valve Mfg. Co., Elmira, N. Y.
See adv index at end of book
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McMANN & TAYLOR CO., 104 John, New York. *See adv index at end of book*
Marsh Jas. P. & Co., 118 S. Clinton, Chicago, Ill.
Monash-Youmker Co., 551 W Monroe, Chicago, Ill.
Nathan Mfg. Co. (Air Pump for Locomotives), 21 E 40th, New York
Nelson Valve Co., Chestnut Hill, Phila., Pa.
Pierce, Butler & Pierce Mfg. Corp., 437 East 162nd, New York City
Smolensky M. Mfg. Co., Jasper av & Ridge rd, Cleveland, O.
Star Brass Works, 804 1st av S, Seattle, Wash.
Stephens Roe Mfg. Co., 1097 McKinley, Detroit, Mich.
Walworth Mfg. Co., 82 Pearl, Boston, Mass.
Watts Regulator Co. ("Watts"), Lawrence, Mass.

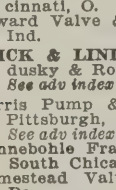
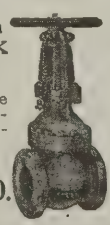
16398—Valves (Steam Feed)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Collar Valve Corp. ("Collar"), Federal bldg, Oakland, Cal.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Graffenberger Valve Co., 495 E Taylor, Portland, Ore.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Larkin J. K. & Co., 253 Broadway, New York *See adv index at end of book*
Lufkin Foundry & Machine Co. ("Trout's"), Lufkin, Tex.
LUNKENHEIMER CO. ("Renewo," "Ferrenewo," "Clip," "Handy"), Beekman & Waverly, Cincinnati, Ohio
See adv index at end of book
Pratt & Cady Co. ("P & C"), Hartford, Conn.

16398a—Valves (Steam, Gas, Water)

See also Valve Mfrs. for Steam, Gas & Water

Collar Valve Corp. ("Collar"), Federal bldg, Oakland, Cal.
Colonial Supply Co., 217 Water, Pittsburgh Pa. *See adv index at end of book*
Detroit Brass & Malleable Works, 1177 Holden, Detroit, Mich.
Edna Brass Mfg. Co., 528 Reading rd, Cincinnati, O.
Edward Valve & Mfg. Co., East Chicago, Ind.
FRICK & LINDSAY CO. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Harris Pump & Supply Co., 318 2d av, Pittsburgh, Pa.
See adv index at end of book
Hennebohle Frank, 31st & S Chicago, av, South Chicago, Ill.
Homestead Valve Mfg. Co., Homestead, Pa.
See adv index at end of book
Jarecki Mfg. Co., Erie Pa.
Jenkins Bros., 80 White, New York
See adv index at end of book
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book


CAST STEEL
VALVES
For superheated steam up to 350 lbs. pressure. 800 degrees temperature.
Can be furnished in
GLOBE, ANGLE, CHECK AND WEDGE GATE STYLES
Made of highest grade raw materials and carefully tested before shipment.

Write for Catalog
THE KELLY & JONES CO.
GREENSBURG, PA.

KENNEDY VALVE MFG. CO., Elmira, N. Y. *See adv index at end of book*
Pierce, Butler & Pierce Mfg. Corp., 437 East 162nd, New York City
Reading Valve & Fitting Co., Reading, Pa.
Rhode Island Supply & Sprinkler Co. (Jobbers), 156 W Exchange, Providence, R. I.
Schutte & Koerting Co., 1251 N 12th, Phila, Pa.
See adv index at end of book
WOOD R. D. & CO., 400 Chestnut, Phila., Pa.
Western Gas Construction Co., 1431 Buchanan, Ft. Wayne, Ind.

16399— Valves (Steel)

Bethlehem Shipbuilding Corp. Ltd. (Also Brass & Iron), Dept. H, Broadhead & Parker av, Bethlehem, Pa.
Buckeye Iron & Brass Works, 322 E 3rd, Dayton Ohio *See adv index at end of book*
Chapman Valve Mfg. Co. ("Chapman"), Indian Orchard, Mass.
Coast Supply Co. ("Hercules"), 590H Howard, San Francisco, Cal.
CRANE CO. (Angle, Gate, Globe), **836 S Michigan av, Chicago, Ill.**
See adv index at end of book
Edward Valve & Mfg. Co., East Chicago, Ind.
Fords & Kendig Co. (Dlrs.), 1428 Callowhill, Phila., Pa.
Harris Pump & Supply Co., 318 2d av, Pittsburgh, Pa.
See adv index at end of book
Hydraulic Press Mfg. Co. ("H. P. M." High Pressure Hydraulic), 24 Lincoln av, Mount Gilead, O.
See adv index at end of book
Jenkins Bros. (Cast), 80 White, New York
See adv index at end of book
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Kennedy Valve Mfg. Co., Elmira, N. Y.
See adv index at end of book
Larkin J. K. & Co. (Also Iron), 253 Broadway, New York
See adv index at end of book
Lewis Products Co., Toledo, O.
Locke Regulator Co. ("Locke"), Salem, Mass.
Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
See adv index at end of book
McMann & Taylor Co., 104 John, New York
See adv index at end of book
Merrill Co. ("Merco"), 121 2nd, San Francisco, Cal.
Nelson Valve Co., Chestnut Hill, Phila., Pa.
Penn Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.
Pratt & Cady Co. ("P & C"), Hartford, Conn.
Protected Seat Valve Co. ("B. & O."), 707 Peoples Bank bldg., Pittsburgh, Pa.
Reading Steel Casting Co., Reading, Pa.
Star Brass Mfg. Co. ("Renewable"), 53 Oliver, Boston, Mass.
Strong Steel Foundry Co. (Valve Castings), 33 Norris, Buffalo, N. Y.
Walworth Mfg. Co., 82H Pearl, Boston, Mass.

16400— Valves (Stoker Engine Regulator)

Locke Regulator Co. ("Locke"), Salem, Mass.
McDonough Automatic Regulator Co., 716 Gd River, Detroit, Mich.
Mason Regulator Co. ("Mason"), Dorchester Center, Boston, Mass.
Watts Regulator Co. ("Watts"), Lawrence, Mass.
Witt G. E. Co., 862 Howard, San Francisco, Cal.

16401— Valves (Stop)

Albany Steam Trap Co. ("Blessing"), Albany, N. Y.
Belfield H. Co., 435 N Broad, Phila., Pa.
Bordo L. J. Co. ("Bordo," Locomotive), 12th & Thompson, Phila., Pa.
Buckeye Iron & Brass Works, 322 E. 3rd, Dayton, Ohio *See adv index at end of book*
Central Brass Mfg. Co. (Quick Pression Stop & Waste), 6206 Cedar, Cleveland, O.
Chambersburg Engng. Co. (Hydraulic), Chambersburg, Pa.
Coffin Valve Co., Neponset, Boston, Mass.
Coldwell-Wilcox Co., Newburgh, N. Y.
Crane Co. (Engine), 836 S Michigan av, Chicago, Ill. *See adv index at end of book*
Darling Valve & Mfg. Co., Williamsport, Pa.
DAVIS G. M. REGULATOR CO. (& Check, "Davis"), 434 Milwaukee av, Chicago, Ill.
Detroit Brass & Malleable Works, 1177 Holden, Detroit, Mich.
Eddy Valve Co., Waterford, N. Y.
Edward Valve & Mfg. Co., East Chicago, Ind.
Fairbanks Co., 416 Broome, New York
Foster Engineering Co. (Automatic Non-Return, etc.), 109 Monroe, Newark, N. J.
French Oil Mill Machinery Co., Piqua, O.
Garratt W. T. & Co., 299H Fremont, San Francisco, Cal.
Golden-Anderson Valve Specialty Co. (Automatic), Fulton bldg, Pittsburgh, Pa.
Hoffman B. Mfg. Co., 257 6th, Milwaukee, Wis.
Hoffmann & Billings Mfg. Co., 100 2nd, Milwaukee, Wis.
Hydraulic Press Mfg. Co. ("H. P. M." High Pressure Hydraulic), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book
Jenkins Bros. (Automatic Equalizing Stop & Check), 80 White, New York
See adv index at end of book
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Kennedy Valve Mfg. Co., Elmira, N. Y.
See adv index at end of book
Larkin J. K. & Co., 253 Broadway, New York. *See adv index at end of book*
Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.
LUNKENHEIMER CO. ("Renewo," "Ferrenewo," "Clip," "Handy"), Beekman & Waverly, Cincinnati, Ohio
See adv index at end of book
McAlear Mfg. Co., 1901 S Western av, Chicago, Ill.
McMann & Taylor Co., 104 John, New York. *See adv index at end of book*
McShane Bell Foundry Co., Harford av & B & O R R, Baltimore, Md.
MANNING MAXWELL & MOORE INC. (Hancock Inspirator Co. Div.), 100 E 42nd, New York
See adv index at end of book
Metalwood Mfg. Co., Lieb & Wight, Detroit, Mich.
Pacific Faucet Mfg. Co., 940 E 60th, Los Angeles, Cal.
Pierce Butler & Pierce Mfg. Corp., 437 E 162nd, New York City.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Pratt & Cady Co. ("P. & C." Check), Hartford, Conn.
Rensselear Valve Co. ("Rensselear"), Dept. H, Troy, N. Y.
Ruggles-Klingemann Mfg. Co. ("R.-K."), Salem, Mass.
Schutte & Koerting Co. ("Schutte" Locomotive & All Steel Body), 1251 N 12th, Phila., Pa. *See adv index at end of book*
Simmons John Co., 110 Centre, New York
See adv index at end of book
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book
Star Brass Mfg. Co. ("Renewable") 53 Oliver, Boston, Mass.
Stephens Roe Mfg. Co., 1097 McKinley, Detroit, Mich.
Strong Carlisle & Hammond Co. ("Strong" Automatic Non-Return), 336 Frankfort av, N W, Cleveland, O.
Utica Valve & Fixture Co., Utica, N. Y.
Vulcan Brass Mfg. Co. ("Paragon"), 9110 Woodland av, Cleveland, O.
Walworth Mfg. Co. (Automatic), Boston, Mass.
Williams & Wells Co., 253 Fulton, New York. *See adv index at end of book*
Yarnall-Waring Co. ("Yarway" Hydraulic"), Chestnut Hill, Phila., Pa.

16401a— Valves (Stop Check)

Bethlehem Shipbuilding Corporation Ltd., Bethlehem, Pa.
Crane Co., 836 S Michigan av, Chicago, Ill. *See adv index at end of book*
Edward Valve & Mfg. Co. (Steel), East Chicago, Ind.
Garratt W. T. & Co., 299H Fremont, San Francisco, Cal.
Hennebohle Frank (Automatic), 31st & S Chicago av, South Chicago, Ill.
Jenkins Bros., 80 White, New York
See adv index at end of book
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
LUNKENHEIMER CO., Executive offices and factories Beekman & Waverly, Cincinnati, O.
See adv index at end of book
MANNING MAXWELL & MOORE, INC., ("Hancock"), Hancock Inspirator Co. Div., 100 E. 42nd, New York
See adv index at end of book
Reading Steel Casting Co., Reading, Pa.
Republic Brass Mfg. Co., 2115 E 27th, Los Angeles, Cal.
Schutte & Koerting Co., 1251 N. 12th, Phila., Pa. *See adv index at end of book*


Combination stop valve and check valve for boiler service. Balanced piston. Furnished for saturated or superheated steam. *Catalog 8-B.*
Schutte & Koerting Co.
1251 North 12th Street
Philadelphia, Pa.

Star Brass Mfg. Co. ("Renewable") 53 Oliver, Boston, Mass.
Watts Regulator Co. ("Watts"), Lawrence, Mass.
Williams & Wells Co., 253 Fulton, New York. *See adv index at end of book*

16402—Valves (Street Sprinkling)

Everlasting Valve Co., 49 Fisk, Jersey City, N. J.
Hoffmann B. Mfg. Co. ("Heim"), 257 6th, Milwaukee, Wis.
Jones Jas. Co., 201 Leroy, Los Angeles, Cal.
Lorraine Gas & Oil Separator Co., Washington bldg, Los Angeles, Cal.

LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
See adv index at end of book

McNab & Harlin Mfg. Co., 110 William, New York

16403—Valves (Sugar Wagon)

McNab & Harlin Mfg. Co., Paterson, N. J.

16404— Valves (Super-heat)

(Names with * also manufacture Monel Trimmed Valves)

*American District Steam Co., North Tonawanda, N. Y.
*American Foundry & Construction Co., Pittsburgh, Pa.
*American Steam Gauge & Valve Mfg. Co., Boston, Mass.
Ashton Valve Co. ("Ashton," Safety), 161 First, Cambridge, Mass.
*Atlas Valve Co., Newark, N. J.
*Badger & Sons Co., E. B., Boston, Mass.
*Bethlehem Shipbuilding Co., Ltd., Bethlehem, Pa.
*Boylston Steam Spec. Co., 116 W Illinois Chicago, Ill.
*Cadman Mfg. Co., A. W., Pittsburgh, Pa.
CASH A. W. CO. (Steam, Steel & Monel Metal), Dept. H, P. O. Box 135, Decatur, Ill.
See adv index at end of book
*Chapman Valve Mfg. Co. ("Chapman"), Indian Orchard, Mass.
*Chemical Equipment Co., 2457 S Western av, Chicago, Ill.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
*Consolidated Safety Valve Co., Bridgeport, Conn.
*Cramp & Sons Ship & Eng. Bldg. Co., Wm., Philadelphia, Pa.
*Crane Co., 836 S Michigan av, Chicago, Ill.
*Crosby Steam Gauge & Valve Co., Boston, Mass.
Darling Valve & Mfg. Co., Williamsport, Pa.
*Davis Regulator Co., G. M., 434 Milwaukee av, Chicago, Ill.
*Edward Valve & Mfg. Co., East Chicago, Ind.
*Elliott Company, Pittsburgh, Pa.
*Epping-Carpenter Pump Co., Pittsburgh, Pa.
*Everlasting Valve Co., 342 Madison av, New York
*Fisher Governor Co., Marshalltown, Ia.
*Foster Engineering Co., Newark, N. J.
*Framingham Mfg. Co., Framingham, Mass.
*General Electric Co., Schenectady, N. Y.
*Hohmann-Nelson Company, Eau Claire, Wis.
*Homestead Valve Mfg. Co., Homestead, Pa.
*Illinois Engineering Co., W 21st & S Racine av, Chicago, Ill.
Hydraulic Press Mfg. Co. ("H. P. M."), 24 Lincoln av, Mt. Gilead, O.
See adv index at end of book

INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book

INCO
Monel metal
VALVE PARTS
Stems, Seats, Discs, Gaskets, Bushings, etc.
Strong As Steel.
Do Not Wire-Draw in Superheated Steam.
Will Not Rust or Corrode.
See Specifications of Leading Engineers and Valve Builders.
SEE OUR INSERT AT MONEL METAL
THE INTERNATIONAL NICKEL COMPANY
67 Wall Street New York, N.Y.

Jenkins Bros. (Steam), 80 White, New York *See adv index at end of book*
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Kennedy Valve Mfg. Co., Elmira, N. Y.
See adv index at end of book
*Kieley & Mueller, 34 W 13th, New York
*Lonergan & Co., J. E., Philadelphia, Pa.
*Ludlow Valve Co., Troy, N. Y.
Lunkenheimer Co., Beekman & Waverly, Cincinnati, O.
See adv index at end of book
*Lytton Mfg. Co., Franklin, Va.
*Manning, Maxwell & Moore, Inc., 119 W 40th, New York
*Mason Regulator Co., Boston, Mass.
*Mason Regulator & Eng. Co., Montreal, Que.
*Monessen Foundry & Machine Co., Monessen, Pa.
*Morrison Brass Mfg. Co., Ltd., Jas., Toronto, Ont.
*National Regulator Co., 208 S Jefferson, Chicago
*National Valve & Mfg. Co., Pittsburgh, Pa.
*Nelson Mfg. Co., Real Estate Trust bldg, Philadelphia, Pa.
Nelson Valve Co., H, Chestnut Hill, Phila., Pa.
*Norwalk Iron Works Co., S Norwalk, Conn.
*O'Malley-Beare Valve Co., Ry. Exchange bldg, Chicago, Ill.
*Pickering Governor Co., Portland, Conn.
*Pierce, Butler & Pierce Mfg. Corp., 41 E 42nd, New York
*Pittsburgh Reinforced Brazing & Mach. Co., Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Pratt & Cady Co. ("P & C"), Hartford, Conn.
*Powell Co., The Wm., Cincinnati, Ohio
*Powers Regulator Co., 2773 Greenwich av, Chicago, Ill.
*Reading Steel Casting Co., Bridgeport, Conn.
*Rensselaer Valve Co., Troy, New York
*Richardson-Phenix Co., Fort Wayne, Ind.
*Rockwell Co., W. S. (Best Valves), 50 Church, New York
*Roller-Smith Co., West Bethlehem, Pa.
*Ross Valve Mfg. Co., Troy, N. Y.
*Ruggles-Klingemann Mfg. Co., Salem, Mass.
*Schade Valve Mfg. Co., Philadelphia, Pa.
*Schutte & Koerting Co., Philadelphia, Pa.
Star Brass Mfg. Co. ("Safety"), 53 Oliver, Boston, Mass.
*Talbot Co., F. M., 2 Rector, New York
*Union Water Meter Co., Worcester, Mass.
*Vogt Machine Co., Henry, Louisville, Ky.
*Walworth Mfg. Co., Boston, Mass.
*Waters Governor Co., Boston, Mass.
*Watson & McDaniel Co., Philadelphia, Pa.
*Watson-Stillman Co., 50 Church, New York
*Wheeler Mfg. Co., C. H., Philadelphia, Pa.
*Williams, William E., 62 Front, New York
*Williams Gauge Co., Pittsburgh, Pa.
*Williams Valve Co., D. T., Cincinnati, O.
Witt G. E. Co., 862 Howard, San Francisco, Cal.
*Wright-Austin Co., Detroit, Mich.
*Yarnall-Waring Co., Philadelphia, Pa.

16405—Valves (Surgical Laboratory & Sink)

Speakman Supply & Pipe Co. ("Speakman" Foot Action, Pedal, etc.), Wilmington, Del.

16406— Valves (Syphon)

American Pin Co. ("Ampinco"), Waterbury, Conn.
Exeter Brass Works ("N. H."), Exeter, N. H.
Frost Mfg. Co. (Brass), Kenosha, Wis.
Graffinberger Valve Co., 495 E. Taylor, Portland, Ore.
Hall Mfg. Co., Harrison, N. J.
McShane Bell Foundry Co., Harford av & B. & O. R. R., Baltimore, Md.
Miller Chas. A. Co. (Cone for High Tanks), Sturgis, Mich.

16407— Valves (Tank)

American Valve & Meter Co., Cincinnati, Ohio
Atlas Valve Co., 282 South, Newark, N. J.
Atwood & Morrill ("XXth Century"), 48 Loring av, Salem, Mass.
Bastin-Blessing Co. (Gas), 240 E Ontario, Chicago, Ill.
See adv index at end of book
Boston Brass Co. ("B. B."), 135 Bacon, Waltham, Mass.
Buckeye Iron & Brass Works, 322 E. 3rd, Dayton, Ohio
See adv index at end of book
Caldwell W. E. Co., Louisville, Ky.
Chemical Equipment Co., 2457 S. Western av, Chicago, Ill.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
CRANE CO., 836 Michigan, Chicago, Ill.
See adv index at end of book
Dececo Co., 76 Battery March, Boston, Mass.
Detroit Brass & Malleable Works, 1177 Holden, Detroit, Mich.
Donnelly Mfg Co., ("Donnelly"), 10 High, Boston, Mass.
Everlasting Valve Co., 49 Fisk, Jersey City, N. J.
Exeter Brass Works, Exeter, N. H.
Fisher Governor Co., Marshalltown, Ia.
Ford Thomas P. Co. ("Ford" High Pressure), 407 Broome, New York
Foster Engineering Co. (Steam & Water), 109 Monroe, Newark, N. J.
Golden-Anderson Valve Specialty Co. ("Anderson"), Fulton bldg, Pittsburgh, Pa.
Hennebohle Frank, 31st & S Chicago av, S Chicago, Ill.
Hinman D. A. & Co. ("Enterprise"), Sandwich, Ill.
Kennedy Valve Mfg. Co., Elmira, N. Y.
See adv index at end of book
McAlear Mfg. Co. (For Cold or Hot Water), 1901 S Water, Chicago, Ill.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
Midland Brass Wks. (Stock Watering), Dept. H, Fort Worth, Texas.
Nelson Valve Co., H, Chestnut Hill, Phila., Pa.
Pierce Butler & Pierce Mfg. Corp., 437 E 162nd, New York City.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Rundle-Spence Mfg. Co. ("Georgia"), 63 2nd, Milwaukee, Wis.
Simmons John Co., 110 Centre, New York
See adv index at end of book
Standard Brass & Iron Works (For Brewers, etc), 1320 St. Paul av, Milwaukee, Wis.
Threaded Products Co. (Gasoline), 8th & Carlton, Berkeley, Cal.
Trenton Brass & Machine Co., Trenton, N. J.
U. S. Wind & Engine Pump Co., Water, Batavia, Ill.
Waters Governor Co., 141 Milk, Boston, Mass.
Watertown Specialty Co. ("Watertown" Automatic Oil), Watertown, N. Y.
Watts Regulator Co. ("Watts"), Lawrence, Mass.

16408—Valves (Tanner Operating)

Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R. Pittsburgh, Pa.

16409— Valves (Thermostat)

American Thermostat Co. ("Marvel"), 226 Jelliff av, Newark, N. J.
Atlas Valve Co., 282 South, Newark, N. J.
E. & M. Instrument Co., 595 E 27th, Portland, Ore.
Heat Control Service Co., Inc., 759 Park pl, Brooklyn, N. Y.
Hoffman Heater Co. ("Hoffman"), Lorain, Ohio
Illinois Engineering Co. ("Illinois"), W 21st & Racine av, Chicago, Ill.
Monash-Younker Co. ("Monash" air vapor vacuum or gravity), 551 W Monroe, Chicago, Ill.
National Steam Specialty Co. ("National"), 16 S Clinton, Chicago, Ill.
POWERS REGULATOR CO., 2773 Greenview av, Chicago, Ill.
Tagliabue C. J. Mfg. Co., 20H 33d, Brooklyn, N. Y.
Witt G. E. Co., 862 Howard, San Francisco, Cal.
Yoder-Thomas Mfg. Co. ("Wentz"), 5510 Walworth, Cleveland, Ohio

16410— Valves (Throttle)

Buckeye Iron & Brass Works, 322 E. 3rd, Dayton, Ohio
See adv index at end of book
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Crane Co., 836 S Michigan av, Chicago, Ill. *See adv index at end of book*
Detroit Lubricator Co. ("Detroit Pendry"), Detroit, Mich.
Edward Valve & Mfg. Co., East Chicago, Ind.
Everlasting Valve Co., 49 Fisk, Jersey City, N. J.
Fairbanks Co., 416 Broome, New York
Hennebohle Frank (Balanced for Steam Reversing Engines), So. Chicago, Ill.
Hoffman B. Mfg. Co., 257 6th, Milwaukee, Wis.
Homestead Valve Mfg. Co., Homestead, Pa.
See adv index at end of book
Jarecki Mfg. Co., Erie, Pa.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Knox Mfg. Co. (For Drills), 821 Cherry, Phila., Pa.
Larkin J. K. & Co., 253 Broadway, New York. *See adv index at end of book*
LUNKENHEIMER CO. Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McNab & Harlin Mfg. Co. (Brass & Iron Body), Paterson, N. J.
Manning Maxwell & Moore Inc. ("Hancock"), (Hancock Inspirator Co. Div.), 100 E. 42nd, New York
See adv index at end of book
Mead-Morrison Mfg. Co. (Straightway & Balanced), Prescott & Orleans, Boston, Mass.
Nelson Valve Co., H, Chestnut Hill, Phila., Pa.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
PEKOR IRON WORKS ("Pekors" Quick Closing), Columbus, Ga.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Powell Wm. Co. ("Ready" "Titan" "Petrol" & "Giant"), 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Pratt & Cady Co. ("P. & C."), Hartford, Conn.
SCHUTTE & KOERTING CO., 1251 N 12th, Phila., Pa. *See adv index at end of book*
Simmons John Co., 110 Centre, New York
See adv index at end of book
Star Brass Mfg. Co. ("Star") 53 Oliver, Boston, Mass.
Strong, Carlisle & Hammond Co. ("Strong"), 336 Frankfort av, N W, Cleveland, O.

(Continued on following page)

Valves (Throttle)—Continued

Williams Wm. E. ("wew"), 62 Front, New York
Williams & Wells Co., 253 Fulton, New York. *See adv index at end of book*

16411— Valves (Tire)

Dill Mfg. Co., 684 E. 82nd, Cleveland, O.
Empire Sales Co. ("Empire"), 90 Sillman av, Bridgeport, Conn.
Schrader's A. Son, Inc. ("Schrader" Universal for Bicycles, Motorcycles, Automobiles, etc), 470 Vanderbilt av, Brooklyn, N. Y.
Snedden Machine Works ("Air-Tite" Valve Vores), 1972 S. Los Angeles, Los Angeles, Cal.

16412—Valves (Track Sander)

Ohio Brass Co. ("O. B." Diaphragm), field, O.

16413— Valves (Transfer)

Jarecki Mfg. Co., Erie, Pa.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.

16413a—Valves (Truck Tank Safety, Automatic)

FARRELL MFG. CO., Joliet, Ill.
See adv index at end of book

16414-5—Valves (Tubular Well)

American Well Works (The), 110 N Broadway, Aurora, Ill.
See adv index at end of book
Clark, Keefe & Co., 1301 Larrabee, Chicago, Ill.
Crestline Mfg. Co., Crestline, O.
Mark Mfg. Co., Evanston, Ill.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.

16416-7-8—Valves (Underwriters')

Ashton Valve Co. ("Ashton"), 161 First, Cambridge, Mass.
Buckeye Iron & Brass Works, 322 E. 3rd, Dayton, Ohio
See adv index at end of book
Columbian Iron Works ("Columbian"), 811 Boyce, Chattanooga, Tenn.
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. ***See adv index at end of book***
Star Brass Mfg. Co ("Star"), 53 Oliver Boston, Mass.

16419— Valves (Vacuum)

Atlas Valve Co., 282 South, Newark, N. J.
Bethlehem Shipbuilding Corporation Ltd., Bethlehem, Pa.
Bottum Valve Co., 211 W Schiller, Chicago, Ill.
Donnelly Mfg. Co. ("Donnelly") 10 High, Boston, Mass.
DUNHAM C. A. CO. (Pump), 230 E Ohio, Chicago, Ill.
See adv index at end of book
Edward Valve & Mfg. Co., East Chicago Ind.
Fairbanks Co., 416 Broome, New York
Foster Engng. Co. (Brass Charge), 109 Monroe, Newark, N. J.
Hoffman Specialty Co. ("Hoffman"), Grand & Field, Waterbury, Conn.
Marsh Valve Co., Dunkirk, N. Y.
Monash-Younker Co. ("Monash" & Vapor), 551 W Monroe, Chicago, Ill.
Pearce W. H. & Co. ("Crescent"), 115 S Dearborn, Chicago, Ill.
Pierce, Butler & Pierce Mfg. Corp., 437 East 162nd, New York City.
Witt G. E. Co., 862 Howard, San Francisco, Cal.

16420—Valves (Vacuum, Automatic Air)

Belfield H. Co., 435 N Broad, Phila., Pa.
Donnelly Mfg. Co. ("Donnelly"), 10 High, Boston, Mass.
DUNHAM C. A. CO., 230 E Ohio, Chicago
See adv index at end of book
Fulton Co. (Automatic Air Only) ("Sylphon"), Knoxville, Tenn.
Illinois Engineering Co., W 21st & Racine av, Chicago, Ill.
Klipfel Mfg. Co. ("K. & T."), 2651 W Harrison, Chicago, Ill.
Monash-Younker Co. ("Four Way Drain") 551 W Monroe, Chicago, Ill.
Simonds Heating & Specialty Co. ("Simonds"), Grand Rapids, Mich.
SIMPLEX VALVE & METER CO., 5718 Race, Philadelphia, Pa.
Watts Regulator Co. ("Watts"), Lawrence, Mass.
Witt G. E. Co., 862 Howard, San Francisco, Cal.

16421—Valves (Vapor Heating)

Bethlehem Shipbuilding Corporation, Ltd., Bethlehem, Pa.
D. G. C. Valve Co., 296 Madison av, New York
Detroit Lubricator Co. ("Detroit," "Genuine Detroit"), 5938 Trumbull, Detroit, Mich.
Dole Valve Co., 1923 Carroll, Chicago, Ill.
Donnelly Mfg. Co. ("Donnelly") 10 High, Boston, Mass.
Doody Vapor Heating Co., 46 Cornhill, Boston, Mass
DUNHAM C. A. CO., 230 E Ohio, Chicago
See adv index at end of book
Hoffman Specialty Co. ("Hoffman" Air Line), Grand & Field, Waterbury, Conn.
Jenkins Bros., 80 White, New York
See adv index at end of book
McAlear Mfg. Co. (Air Line), 1901 S Western av, Chicago, Ill.
Marsh Valve Co., Dunkirk, N. Y.
Marsh Jas. P. & Co. ("Paul," "Marsh, Thermostatic Paul," "Thermodisk," "Reflux"), 118 S Clinton, Chicago, Ill.
Pearce W. H. & Co., 115 S Dearborn, Chicago, Ill.
Pierce Butler & Pierce Mfg. Corp., 437 E 162nd, New York City.
PRIER WALTER H. CO., 230 E Ohio, Chicago, Ill.
See adv index at end of book
SARCO CO. INC. ("Sarco"), 14 Park pl, New York
Smolensky M. Mfg. Co., Jasper av & Ridge rd, Cleveland, O.
Webster Warren & Co., Camden, N. J.

16422— Valves (Vault)

Meerhoff Wm. H. (For Outdoor Closets with Sewer Connections), Richmond, Ind.

16423-4— Valves (Venturi Type)

Simplex Valve & Meter Co., 110 N. Broad, Phila., Pa.

16425—Valves (Water Cooled)

Blaw-Knox Co., Freeport rd, Hoboken, Pa.

16426—Valves (Water Relief)

American Schaeffer & Budenberg Corp., Berry & S. 5th, Brooklyn, N. Y.
See adv index at end of book
Ashton Valve Co. ("Ashton"), 161 First, Cambridge, Mass.
Bethlehem Shipbuilding Corporation Ltd., Bethlehem, Pa.
BUCKEYE IRON & BRASS WORKS, 322 E. 3rd, Dayton, Ohio
See adv index at end of book
Capitol Brass Works, 2306 Franklin, Detroit, Mich.
CRANE CO., 836 Michigan, Chicago, Ill.
See adv index at end of book
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
d'Este Julian Co., 26 Canal, Boston, Mass.
Edward Valve & Mfg. Co., East Chicago, Ind.
Donnelly Mfg. Co. ("Donnelly"), 10 High, Boston, Mass.
Hydraulic Press Mfg. Co. ("H. P. M." Hydraulic), 24 Lincoln av, Mt. Gilead, O. *See adv index at end of book*
Kenton Machine Works ("McCracken"), 1771 Denver av, Portland, Ore.
Kunkle Valve Co., 119 N. Clinton, Ft. Wayne, Ind.
Larkin J. K & Co., 253 Broadway, New York. *See adv index at end of book*
Lonergan J. E. Co., 211 Race, Phila., Pa.
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. ***See adv index at end of book***
McDonald A. Y. Mfg. Co. ("Diamond"), Dubuque, Ia.
MANNING MAXWELL & MOORE INC. (Consolidated Safety Valve Co. Div.), 100 E 42nd, New York
See adv index at end of book
Mason Regulator Co. ("Mason"), Dorchester, Boston, Mass.
Nason Mfg. Co., 71 Fulton, New York
See adv index at end of book
Powell Wm. Co., Cincinnati, O.
See adv index at end of book
Ross Valve Mfg. Co. ("Trojan"), 9 Oakwood av, Troy, N. Y.
S. C. Regulator Mfg. Co., Fostoria, O.
Simmons John Co., 110 Centre, New York
See adv index at end of book
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.
Stephens Roe Mfg. Co. ("Scot"), 1097 McKinley, Detroit, Mich.
Valle-Kimes Co. ("V. & K."), Dayton, O.
Walworth Mfg. Co., Boston, Mass.
Watson & McDaniel Co., 146 N 7th, Phila., Pa.
Witt G. E. Co., 862 Howard, San Francisco, Cal.

16427—Valves (Water Sealed)

Beaton & Cadwell Mfg. Co. ("Gem No. 4" "Wellby Special" "Jumbo" "Perfection"), New Britain, Conn.
Edward Valve & Mfg. Co., East Chicago, Ind.

16428— Valves (Whistle)

Buckeye Iron & Brass Works, 322 E. 3rd, Dayton, Ohio
See adv index at end of book
Crane Co. (Est 1855), 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
Homestead Valve Mfg. Co. ("Homestead"), Homestead, Pa.
See adv index at end of book
Jarecki Mfg. Co., Erie, Pa.
Jenkins Bros., 80 White, New York
See adv index at end of book
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. ***See adv index at end of book***
McNab & Harlin Mfg. Co., Paterson, N. J.
Nason Mfg. Co., 71 Fulton, New York
See adv index at end of book
Ohio Brass Co. (Air), Mansfield, O.
O'Malley-Beare Valve Co. ("Multiplate"), Railway Exchange bldg, Chicago, Ill.
Powell Wm. Co. (Plain or Balanced), 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Simmons John Co., 110 Centre, New York
See adv index at end of book
Star Brass Mfg. Co., 53 Oliver, Boston, Mass.
Wilcox, Crittenden & Co. Inc. (For Air), Middletown, Conn.
See adv index at end of book
Williams D. T. Valve Co., Cincinnati, O.
Williams & Wells Co., 253 Fulton, New York. *See adv index at end of book*

16429-30— Valves (Y)

Cleveland Pneumatic Tool Co. (Pneumatic), 3734 E 78th, Cleveland, O.
Crane Co., 836 S Michigan av, Chicago Ill.
See adv index at end of book
Jarecki Mfg. Co., Erie, Pa.
Jenkins Bros., 80 White, New York
See adv index at end of book
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
LUNKENHEIMER CO. ("Renewo"), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
See adv index at end of book
Portland Co. (Bronze), Portland, Me.
Powell Wm. Co. ("White Star" Bronze & Iron), 2525 Spring Grove av, Cincinnati, O. *See adv index at end of book*
Pratt & Cady Co. ("P. & C."), Hartford, Conn.
Star Brass Mfg. Co. ("Renewable"), 53 Oliver, Boston, Mass.
Williams D. T. Valve Co., Cincinnati, O.

16431—Valves & Fittings (Monel Metal)

AUTOSCREW CO. (Castings, Stems or complete valves machined to order. Screws and nuts in stock), 355 Broadway, New York
See adv index at end of book

Vanadium

See Ferro, Vanadium

16432— Vanillin

Monsanto Chemical Works, E St. Louis Plant, St. Louis, Mo.
Riddle Chemical Co., 35 S Dearborn, Chicago, Ill.
See adv index at end of book

16433— Vanners (Frue)

Allis-Chalmers Mfg. Co. ("Isbell"), Milwaukee, Wis.
See adv index at end of book
Bunting Iron Works ("Senn"), H, First Nat'l Bank bldg, San Francisco, Cal.
Hallidie Company, Spokane, Wash.

16434— Vans (Moving)

Winkler Mfg. Co., 29 Hydraulic av, South Bend, Ind.

16435—Variable Speed Transmission

See also Gears, Reduction for Motors

American Rotary Pump Co., 404 Old Colony av, Boston, Mass.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Evans Friction Cone Co. ("Evans"), Newton Center, Mass.
GERDES & CO., INC., 42 Church, New York
See adv index at end of book
Goodman Machine & Tool Co., 50 Church, New York
Hill Clutch Machine & Foundry Co., W 65th, Cleveland, Ohio
Hoist & Crane Engineering Co. (The), Engineering bldg, Liberty, New York
See adv index at end of book
Horton Mfg. Co., 3008 University av, Minneapolis, Minn.
Menasha Wood Split Pulley Co., Menasha, Wis.
Moore & White Co., N 15th & Lehigh av, Phila., Pa.

Oilgear Co. (Hydraulic), 655-667 Park, Milwaukee, Wis.
O'Kelly Gregory ("O'Kelly"), 35 S Dearborn, Chicago, Ill.
Palmer-Bee Co. (Milltype Speed Reducers), 2778 E. Grand blvd, Detroit, Mich.
Phenix Iron Works, Winona, Minn.
Reeves Pulley Co. ("Reeves" System), Columbus, Ind.

16436— Variators

American District Steam Co. (Single & Double Expansion), North Tonawanda, N. Y.

16436a—Vario Couplers (Radio)

Adams-Morgan Co., Upper Montclair, N. J.
Air-Way Elec. Appliance Corp., 618 B'way, Toledo, O.
Am. Radio & Research Corp. ("Amrad"), 203 College av, Medford Hills, Mass.
Atwater Kent Mfg. Co. ("Atwater Kent"), 4937 Stenton av, Philadelphia, Pa.
Auth Electrical Specialty Co., 422 E 53d, New York
Averill Radio Mfg. Co., 719 E 1st, Los Angeles, Cal.
Baldwin Nathaniel Co. ("Baldwin"), Salt Lake City, Utah
Bliss R. W. Co., Atlantic, Mass.
Bronx Radio Equipment Co., 687 Courtlandt, av, New York
Cardinell Allen D. Mfg. Co., 81 Prospect, Brooklyn, N. Y.
Chicago Radio Laboratories, 5525 Sheridan rd, Chicago, Ill.
Clapp Eastham Co., 139 Main, Cambridge, Mass.
Crescent Radio Mfg. Co., 130 Lexington av, New York
Doron Bros. Elec. Co., 325 North B, Hamilton, O.
Duck Wm. B. Co., 224 Superior, Toledo, O.
Electric Machine Co., Pratt & Meridian, Indianapolis, Ind.
Electric Service Supplies Co., 17th & Cambria, Phila., Pa.
Fisher & G. H. & Co., 317 Cypress Hill rd, Glendale, Long Island
Freed-Eisemann Radio Corp., Sperry bldg, Brooklyn, N. Y.
General Wireless Corp., 25 W. 45th, New York
Grebe A. H. & Co., Inc., 70 Van Wyck blvd, Jamaica, N. Y.
Horne Mfg. Co. ("Horne"), 243 Mercer, Jersey City, N. J.
Howard Radio Co., Inc., 451-469 E Ohio, Chicago, Ill.
See adv index at end of book
Kilbourne & Clark Mfg. Co. ("K. & C."), 101 Spokane, Seattle, Wash.
Kuebler Radio Co., 24 Boody bldg, Toledo, O.
Magnus Electric Co., Inc. ("Magnus"), 451 Greenwich, New York
Marshall-Gerken Co. ("Thoroughbred"), 29 Ontario, Toledo, O.
Michigan Radio Corp., 3469 E Jefferson av, Detroit, Mich.
National Radio Co., Marshall, Minn.
Newmann Stern Co., E 12th & Walnut, Cleveland, O.
Northwest Radio Service Co. ("Puget". 1637 Westlake av, Seattle, Wash.
Pacent Elec. Co., 22 Park pl, New York
Penn. Wireless Mfg. Co., New Castle, Pa.
Precision Equipment Co., B. & O. R. R. & Blue Rock N S, Cincinnati, Ohio
Quality Radio Shop Richmond, Ind.
Radio Instrument & Panel Co., Cicero, Ill.
Radio & Scientific Apparatus Co. ("Rasaco Cleartone"), 606 Mission San Francisco, Cal.
Radio Tel. Shop, 175 Steuart, San Francisco, Cal.
Remler Radio Mfg. Co., 248 1st, San Francisco, Cal.
Scheib Elec. Radio Co. ("Serco"), 6243 Station, Pitts., Pa.
Ship Owners Radio Service (Dirs.), 80 Washington, New York
Signal Elec. Mfg. Co., Menominee, Mich.
Simplex Radio Co. ("Simplex"), 1013 Ridge av, Phila., Pa.
T. & H. Radio Co., Anthony, Kan.
Tuska C. D., 24 Hoadley pl, Hartford, Conn.
Waterbury Button Corp., 831 S Main, Waterbury, Conn.
See adv index at end of book
Wilcox Laboratories, 2208 E Mich. av, Lansing, Mich.
Wireless Improvement Co., 66 York, Jersey City, N. J.

16436b—Variometers (Radio)

Adams Morgan Co., Upper Montclair, N. J.
Air-Way Elec. Appliance Corp., 618 B'way, Toledo, O.
Am. Radio & Research Corp. ("Amrad Vernier"), 203 College, Medford Hillside, Mass.
Am. Radio Sales & Service Co. ("Atlas"), Mansfield, O.
Atwater Kent Mfg. Co. ("Atwater Kent"), 4937 Stenton av, Philadelphia, Pa.
Auth Electric Specialty Co., 422 E 53rd New York
Averill Radio Mfg. Co., 719 E 1st, Los Angeles, Cal.
Baldwin Nathaniel Co. ("Baldwin"), Salt Lake City, Utah
Bronx Radio Equipment Co., 687 Courtlandt av, New York
Chicago Radio Apparatus Co. ("Chi-rad"), 508 S Dearborn, Chicago, Ill.
Chicago Radio Laboratories ("Zenith"), 332 S Michigan, Chicago, Ill.
Clapp Eastham Co., 139 Main, Cambridge, Mass.
Colburn Gear & Mfg. Co., 1 Woodworth, Dorchester, Boston 22, Mass.
Conn. Tel. & Elec. Co. ("Connecticut"), Meriden, Conn.
Crescent Radio Mfg. Co., 130 Lexington, New York
Doron Bros. Elec. Co., 325 North B, Hamilton, O.
Duck Wm. B. Co., 224 Superior, Toledo, O.
Elec. Service Supplies Co., 17th & Cambria, Phila., Pa.
Fisher G. H. & Co., 317 Cypress Hill rd, Glendale, Long Island
Freed-Eisemann Radio Corp., Sperry bldg, Brooklyn, N. Y.
General Radio Co., Mass. av & Windsor Cambridge, Mass.
Grebe A. H. & Co., Inc. ("Grebe"), 70 Van Wyck blvd, Jamaica, N. Y.
Horne Mfg. Co. ("Horne"), 243 Mercer, Jersey City, N. J.
Howard Radio Co., Inc., 451-469 E Ohio, Chicago, Ill.
See adv index at end of book
Kilbourn & Clark Mfg. Co. ("K. & C."), 101 Spokane, Seattle, Wash.
Magnus Electric Co., Inc., 451 Greenwich, New York
Marshall Gerken Co. ("Thoroughbred"), 27 Ontario, Toledo, O.
National Radio Co., Marshall, Minn.
Newmann Stern Co., E 12th & Walnut, Cleveland, O.
Nicoll & Co., 190-198 Hopper, San Francisco, Cal.
Northwest Radio Service Co. ("Puget"), 1637 Westlake av, Seattle, Wash.
Pacent Elec. Co., 22 Park pl, New York
Penn. Wireless Mfg. Co., New Castle, Pa.
Quality Radio Shop, Richmond, Ind.
Radio Distributing Co. ("Radisco"), 4 W Park, Newark, N. J.
Radio Instrument & Panel Co., Cicero, Ill.
Radio & Scientific Apparatus Co. ("Rasac Cleartone")
Radio Tel. Shop, 175 Steuart, San Francisco, Cal.
Remler Radio Mfg. Co. ("Remler"), 248 1st, San Francisco, Cal.
Scheib Elec. Radio Co. ("Serco"), 6243 Station, Pittsburgh, Pa.
Ship Owners Radio Service (Dirs.), 80 Washington, New York
Signal Elec. Mfg. Co., Menominee, Mich.
Simplex Radio Co. ("Simplex"), 1013 Ridge av, Phila., Pa.
Tel. Maintenance Co., 20 S Wells, Chicago, Ill.
Tuska C. D., 24 Hoadley pl, Hartford, Conn.
WATERBURY BUTTON CORP., 831 S. Main, Waterbury, Conn.
See adv index at end of book
Wilcox Laboratories, 2208 E Mich. av, Lansing, Mich.
Wireless Improvement Co., 66 York, Jer-City, N. J.
Work Rite Mfg. Co., 1812 E 30th, Cleveland, Ohio

16436c— Varnish Clear

CHICAGO VARNISH WORKS, 2100 Elston av, Chicago, Ill.
DU PONT E. I. DE NEMOURS & CO. INC., Paint & Varnish Dept. (See Adv. at Paint), 3500 Grays Ferry rd, Philadelphia, Pa.

16437— Varnish Cloth

American Mica Co. ("Puritan"), Newton Lower Falls, Mass.
Essex Varnish Co. (Aeroplane Cloth), 218 **McWhorter, Newark, N. J.**
Mitchell-Rand Mfg. Co., 26 Vesey, New York

16438— Varnish Gums

Apelt Herman (Imp), 76 Wall, New York
Bauer Phillip Co. (Damar), 53 Park pl, New York
Cameron R. W. & Co. (Imp Kauri), 23 S William, New York
Carleton E. Everett & Co. (Imp.), copal, damar, pontiawak, 99 Water, New York
Fergusson, Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Fuerst Bros. & Co., 2 Stone, New York
Fulghum & Co. (Imp.), 742 San Pedro, Los Angeles, Cal.
Gillespie L. C. & Sons (Kauri, Damar & Copal), 8 Fletcher, New York
Gravenhorst & Co. (Copal) (Imp), 82 Beaver, New York
Gross Otto (Imp), 66 Beaver, New York
Klipstein A. & Co. (Kauri, Demar & Copal), 644 Greenwich, New York
Mauer E. Co. (Imp.) (Copal), 81 Fulton, New York
Meyer J. & Sons (Kauri, Copal, Damar), 537 Phila. Bourse, Phila., Pa.
Paterson, Boardman & Knapp (KaKuri, Damar Copal), 10 Bridge, New York
Patterson G. W. S. & Co. (Kauri, Damar & Copal), 15 E 40th, New York
Pauli Hermann (Copal), 76 Wall, New York
Scheel Wm. H. (Kauri, Damar & Copal), 179 Water, New York
See adv index at end of book
Standard Color & Chemical Co., 268 Market, San Francisco, Cal.
Tappenbeck W. (Imp.), 82 Wall, New York
Windmuller L. & Roelker (Copal), 256 Broadway, New York
Winterbourne S. & Co. (Kauri, Damar & Copal), 212 Pearl, New York

16439— Varnish Mfrs.

CALIFORNIA.

ALAMEDA—Worden Meeker Varnish Co. of San Francisco
EMERYVILLE—Sherwin-Williams Co. of Cal.
LOS ANGELES—Bohan E. R. & Co., 130 E. 9th
Bradley-Wise Paint Co. ("Bradley's"), 49th & Pacific blvd
Brininstool Co., 908 S. Main
Columbia Varnish Co., 2460 E 24th
Elaterite Varnish & Rubber Co. ("Elaterite"), 55th & Alameda
Fulghum & Co., 742 San Pedro
Green-Marshall Co. ("Green-Marshall"), 1620 E. 14th
Ironite Paint & Varnish Co. ("Ironite", 2485 Hunter
Jefferson Paint Co., 116 E Jefferson
Kennedy L. C. Paint Co. ("Kenco"), 2426 E. 15th
McGrew Paint Mfg. Co., 2324 E 37th
Mathews Paint Co., 219 S. Los Angeles
Oakley Paint Mfg. Co., 727 Antonia
O'Brien Fred'k Varnish Works, 2010 E Slauson
Prudential Paint & Color Co., 2460 E 24th
Remolite Paint Co., Inc., 2019 E 38th
Sarlow Paint & Varnish Co., 300 N. Los Angeles
T. O. Mfg. Corp., 534 Mateo
Tibbitts H. R. Paint Co., 160 E 14th
MODESTO—Woodtite Laboratories
OAKLAND—California Paint Co. ("Cal-Pa-Co." "12 Test"), 1797 12th
Gibson Paint Co., 1645 E. 12th
SAN FRANCISCO—Bass Hueter Paint Co. ("Hueter's Superior"), 816 Mission
Everard-Yates Paint Co., 470 Treat av
Fuller W. P. & Co., 301 Mission
Glidden Co. of Cal., 123 Hooper,
Goldberg Garrett M. & Co. ("G. M. G."), 1019 Mission
Maher Dan P. Co. (" Maher's"), 677 Folsom
Masury John W. & Sons, 1062 Mission
National Paint & Oil Co., 159 2nd
Paraffin Co.'s, Inc., 475 Brannan
Patton-Pitcairn Division, Pittsburgh Plate Glass Co., 965 Mission
San Francisco Pioneer Varnish Wks., 816 Mission
Supreme Paint, Varnish & Enamel Co., 1375 Golden Gate av
Tamm & Nolan Co., 151 Potrero av
Yates & Co., 762 Folsom

COLORADO.

DENVER—Baum Bros. Co.
McMurty Mfg. Co., 1533 Arapahoe

CONNECTICUT.

BRIDGEPORT—Crockett D. B. Co. ("Opal Gloss" Spar), 277 Mt. Grove
Parrott Varnish Co. ("Parrott" Auto) Voltax Co., 89H Resvoir av
EAST BERLIN—Stanley Chemical Co.
MIDDLETOWN—Smith J. O. Mfg. Co.
NEW HAVEN—Booth & Law Co., 35 Crown

DELAWARE.

WILMINGTON—Bradford James Co.

GEORGIA.

ATLANTA—Cooledge F. J. & Sons

ILLINOIS.

CHICAGO—Adams & Elting Co. ("Ad-El-Ite," **Floor 103, "Spar-Ite"**), 1835 Seward
American Varnish Co. (Railway Carriage & Cabinet), 1140 N Branch
American Wood Preserving Co., 3743 N Marshfield
Armstrong Paint & Varnish Works ("Varnolin"), 2502 S Paulina
Barrett Varnish Co., 233 W Lake
Bennett Varnish Co. ("Carbeno"), 2215 Elston av
Chicago Varnish Works ("Dupont," "Chi-Vo," Flat Finish; "Navalite," Exterior; "Shipoleum," Interior), 2100 Elston av
Crown Varnish & Enamel Co., 2322 N Seeley av
Day Jas. B. & Co., 224 W Superior
Devoe & Raynolds Co., 14 W Lake
Elliott Varnish Co. ("Roof Leak"), 1013 S Kolmar av
Elmendorf Varnish Co., 841 Larrabee
Ernecke & Salmstein Co., 944 W North av
Franche C. E. & Co. (Label Straw Hat & Broom Handle), 440 Orleans, Dept H.
Grace Varnish Co., 1014 Larrabee
Martin-Senour Co., 2520 Quarry

(Continued on following page)

Varnish Mfrs.—Continued

ILLINOIS—CHICAGO—Continued

Nikolas G. J. & Co., 1227 W Van Buren
Nubian Paint & Varnish Co. ("Victory," "Everlastine," "Re - Vi-Var"), 1856 Leclair av
Stewart, Mowry Co., 3218 Shields av
Sullivan Varnish Co., 410 Hart
Tousey Varnish Co., 520 W 25th
Twin City Varnish Co., 1833 Seward
Unkefer Geo. R. Co., 1827 Le Clair av,
Vilas Bros., 1247 Belmont
Washburn Thos. F. Co., 2213 Lister av
Watson Geo. E. Co., 62 W Lake
Wheeler Varnish Works, 2260 Elston av

JOLIET—Star-Peerless Paper Mills, 1314 Bonton
ROCKFORD—Rockford Varnish Co.
SPRINGFIELD—Kinsella Varnish Co.
ZION CITY—Bereda Mfg. Co.

INDIANA.

INDIANAPOLIS—Indianapolis Varnish Co., 137 N Pine
Lily Varnish Co., 670 S California
SOUTH BEND—O'Brien Varnish Co. ("O'Brien")
VALPARAISO—Chicago Mica Co. ("Champion"), Campbell
See adv index at end of book
Parker C. H. Co.

KENTUCKY.

LOUISVILLE—Long C. R. Jr. & Co.
Louisville Varnish Co.
Sun Varnish Co.

MARYLAND.

BALTIMORE—Baltimore Varnish Works, Severn & Bayard
Davis H. B. Co., Bayard & Severn
Macheal Jas. B. & Co., Warner & Wooster
Popplein G. & N., 220 Guilford

MASSACHUSETTS.

BOSTON—Babcock Varnish Co., 144 High
Boston Varnish Co., Everett Station
Carpenter-Morton Co. ("Campbell"), 77 Sudbury
King E. & F. & Co., 367 Atlantic av
New England Oil, Paint & Varnish Co., Waters av
Wadsworth, Howland & Co. ("Bay State"), 141 Federal
CHELSEA—Miller Lyman M. (Est. of)
Nico Varnish Co.
EVERETT—Boston Varnish Co.
Noist Varnish Co.
MIDDLEBORO—Shaw Geo. H. Co.
NORFOLK DOWNS—Norfolk Varnish Co.
SPRINGFIELD—Hampden Paint & Chemical Co.
Wadsworth Howland & Co.

MICHIGAN.

BATTLE CREEK—Battle Creek Roofing & Mfg. Co.
DETROIT—Acme White Lead & Color Works, St Aubin & M. C. R. R.
Berry Bros., 211 Leib
Boydell Bros. White Lead & Color Co., 40 E Lafayette
Detroit Graphite Co. (Exterior and Interior), 518 12th
Detroit Varnish Co., 1960 Milwaukee
Detroit White Lead Works, 560 E Milwaukee
McNamara Michael Varnish Works, Clark & M C R R
Peninsular Paint & Varnish Co., St. Aubin & M. C. R. R.
Rinshed Gagnier Paint Co. (Jobbers), 164 E Congress, Dept. H.
Rinshed Mason Co. (Jobbers), Milford & P. M. R. R., Dept. H.
Trus-con Laboratories
GRAND RAPIDS—Grand Rapids Varnish Co.
Grand Rapids Wood Finishing Co.
PONTIAC—Pontiac Varnish Co.
FLINT—Flint Varnish & Color Works

MINNESOTA.

ST. PAUL—St. Paul White Lead & Oil Co., Water & Starkey
Twin City Varnish Co. ("Best-Yette," "Wearette"), 521 Cleveland av

MISSOURI.

KANSAS CITY—Cook Paint & Varnish Co., 1319 Grand av
Seidlitz Varnish Co., 18th & Garfield
Sewall Paint & Glass Co., 1009 W 8th
Southwestern Paint & Varnish Co., 610 Broadway
ST. LOUIS—Campbell Glass & Paint Co., 816 N 7th
Certain-teed Products Corp., Boatman's Bank bldg
Eberson Lindsley Paint Co. (Gasket), 1830 Morgan
Missouri Paint & Varnish Co., 514 De Soto
Mound City Paint & Color Co., 11th & Mullanphy
Price Varnish Co., 2115 Singleton
Robbins A. Varnish Co., 1537 N 8th
Sealwood Co., 5072 Delmar
Vane-Calvert Paint Co., 1601 N B'way

NEW JERSEY.

CAMDEN—Clement Coverall Co.
Certain-teed Products Corp.
Waterall Wm. & Co. Inc.
FANWOOD—Bond Varnish Co.
GIBBSBORO—Lucas John & Co.
HOBOKEN—Hotopp Varnish Co.
Shaffer Color & Varnish Corp
JERSEY CITY—Aspinwall Geo. H., Corneilson av
Bielenberg A. Co., 18-24H Ash
Gillespie Chas. H. & Sons, Dey
New Jersey Paint Works (Louderbough Hy, Prop), Wayne
Woolsey C. A. Paint & Color Co., 490 Grand
NEWARK—Anglo-American Varnish Co., 55 Johnson
Armitage Jno. L. & Co., 54 Dawson
Beckwith-Chandler Co., 203 Emmett
Bigelow Varnish Co., 81 Oliver
Brooks Clarence & Co., 249 Chestnut
Devoe F. W. & C. T. Reynolds Co. 223 N. J. R. R. av
(See New York City)
Essex Varnish Co., 218 McWhorter
Flood & Conklin Co., 132 Chestnut
Murphy Varnish Co., 224 McWhorter
Newark Varnish Works, Delancy e Adams
Palmer Price Co., 270 Chestnut
Patton Paint Co., ft Chester av
Pitcairn Varnish Co., ft Chester av
Rauh Robert, Inc., 310 Elizabeth av
Reliance Varnish Works, 104 Johnson
PLAINFIELD—Price-Bond Varnish Wks

NEW YORK.

BINGHAMTON—Collier H. C & Sons
BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—Beaver Board Co's ("Beaver"), Beaver rd
Beaver Varnish Co.
Buffalo Oil, Paint & Varnish Co., 24 Evans
Century Mfg. Co., 272 W Genesee
McDougall Varnish Co., 24 Evans
Pratt & Lambert (Inc.)
ELLENVILLE—Ulster Paint Works
JAMESTOWN—Jamestown Wood Finishing Co.
LONG ISLAND CITY—(See New York City, Borough of Queens)

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Ambroid Co. (For Hat Blocks & Aeroplanes), 227 Miller av
American Varnish Works, 425 Greenpoint av
Barclay Naval Stores Co. (Rosin Varnish) 56 Delevan
Booden & Son ("K-A-U-R-I"), 243 N 9th
Brooklyn Varnish Mfg. Co., 35 Nostrand av
Brown Chas. H. Paint Co., 262 Fulton, New York
Continental Varnish Co., 133 Ingraham
Carter C. W. H. (Firm of), 19 Sigourney
De Bar Co., 58 Delevan
Hildreth Varnish Co., 77 N 12th
Hilo Varnish Corp., Marcy & Flushing avs
Howe Varnish Co., 72d 9th
Keystone Varnish Co. ("Keystone"), 71 Otsego
King Paint Mfg. Co., 449 Kent av
Masury John W. & Son, 50 Jay
Moore Benj. & Co., 231 Front
Pierce F. O. Co., 30 Tiffany pl
Valentine & Co., 364 Manhattan av
Vulcan Paint Co., 3911 2d av

Boroughs of Manhattan and Bronx.

NEW YORK—Amalgamated Paint Co. ("Amalco" Amalgamated), Pier 11, North River
Anderson T. P., 334 5th av
Androvette & Townsend (Shellac), 277 Water
Baer Bros., 438 W. 37th
Bakelite Corp., 247 Park av
See adv index at end of book

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Berry Bros., 103 Park av
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Carter C. W. H. (Lithographers'), 8 Ferry
Devoe & Raynolds Co. Inc., 101 Fulton
Dunham Thos. C., 68 Murray
Excelsior Varnish Works, 261 B'way
Feigel M. & Bro., 185 Wooster
Gerstendorfer Bros. ("Sapolin"), 231 E 42d
Gimbel Geo. & Co., Inc., 24 Stone
Hildreth Varnish Co., 90 West
Longman & Martinez ("Bull Dog"), 110 William
Louderback A. E. (Mander Bros.), Imp., 75 Murray
Mayer & Loewenstein ("Adamant"), 164 Water
Maynz & Co. (Brewers' Varnish), 18 Water
Mogul Co., 41 W 39th
Mott Haven Color Works, 395 Mott av
Payson Varnish Co., 804 E 141
Pierce F. O. Co., 12 W B'way
Pomeroy & Fischer (Imp), 95 Madison av
Pratt & Lambert ("Sixty-One"), 189 Tonawanda
Rogers-Kyatt Shellac Co. (Shellac), 81 Water
Schlegel Oscar Mfg. Co., 124 E 13th
Sonneborn L. Sons, 114 5th av
Standard Varnish Works ("Elastic," Railroad, Marine, House, etc.), 443H Fourth av
Toch Bros., 320 5th av
U. S. Rubber Co. ("U. S. Paravar" Rubber), 1790 Broadway
See adv index at end of book
Valentine Co. ("Valspar"), 456 4th av
Victorson Varnish Co., 100 William
Winterbourne S. & Co., 212 Pearl
Zinsser Wm. & Co., 195 William

Borough of Queens.

COLLEGE POINT—Chilton Paint Co.
GLENDALE STATION—Lion Varnish Wks
LONG ISLAND CITY—Calman Emil & Co., Vernon av
Chase Roberts & Co. ("Kismet," "Ozonite"), West av
Fenner Geo. L., West av
Horn-Holland Co., Hancock
Mayer & Lowenstein, 848 Vernon av
National Varnish Co., 153 West av
Smith Edw. & Co., 127 West av
Thibaut & Walker Co., 9th & West av
United Varnish Co. (Varnish for all Purposes), 248 Green
Willey C. A. Co., Hancock

Borough of Richmond.

ELM PARK—Standard Varnish Works ("Elastica," Railroad, Marine, House, etc), 2589 Richmond ter

(End of New York City)

SCHENECTADY—Schenectady Varnish Co.
TROY—DeGolyer Varnish Works

OHIO.

AKRON—Akron Varnish Co.
CANTON—Arlington Mfg. Co.
CINCINNATI—Ault & Wiborg Co. (Finishing Varnishes & Japans)
Becker R. A. Varnish Co., Harrison av & Garrard
Blackburn Varnish Co., Dana & Floral Evanston
Cincinnati Varnish Co., 2111 South
Foy Paint Co., 230 E 5th
Johnston R. F. Paint Co., Pearl & Main
Richmond Bros., 616 Main
United States Varnish Co., 2616 Colerain
Wolf Herman & Co., 1223 Wake
CLEVELAND—Arco Co., Euclid av & E 65th
Billings-Chapin Co., 1163 E 40th
Bond Paint & Varnish Co., E 81st
Canfield Oil Co., 3210 E 55th
Cleveland Varnish Co., 3111 E 87th
Continental Products Co., Quebec av
Cuyahoga Varnish Co., 8820 Bessemer av
Day B. T. & S. P. Co., 2394 Canal rd
Empire Varnish Co., 2638 E 76th
Excelsior Varnish Works, 1242 W 74th, N W
Federal Process Co. ("Federal Gasolla")
Forest City Paint & Varnish Co., 3334 Lakeside av
Glidden Co. ("Jap-a-lac"), Madison av & Berea rd
Klein Mfg. Co., Amer. Trust bldg
Moore Benj. & Co., E 71st & Belt Line Ry.
National Paint & Varnish Co., 3709 Kinsman rd
Ohio Varnish Co. ("Chi-Namel"), 8604 Kinsman
Patterson-Sargent Co. ("B. V. S.," "Nobrac"), 1325 E 38th
Peerless Paint & Varnish Co., Hippodrome Annex
Pioneer Mfg. Co. ("Shino" Linoleum), 3053 E. 87th
Robertson Paint & Varnish Co., 9303 Meech av
Sherwin-Williams Co.
Standard Paint & Lead Wks
Van Camp Varnish Co., E 71st & Belt Line
Vaughan Paint Co., Columbus & Big 4
Western Reserve Varnish Co., 1251 Marquette
COLUMBUS—Columbus Varnish Co.
DAYTON—Kay & Ess Co.
Lowe Bros. Co.
Thresher Varnish Co.
Tower Varnish & Dryer Co.

MARIETTA—Marietta Paint & Color Co.
Northwestern Chemical Co. ("Automobile," "Norwesco")
TOLEDO—Blayz Paint & Varnish Co. ("Blayz"), Spencer
Buckeye Paint & Varnish Co.
Hardy Paint & Varnish Co. ("Hardy"), Oakwood av & M. C. R.R.
Mountain Varnish & Color Works Inc.
Royal Varnish Co.
WEST PARK—Forbes Varnish Co.

OREGON

PORTLAND—Beaver Varnish Works, Hood & Gaines
Rasmussen & Co., 2nd & Taylor

PENNSYLVANIA.

BRIDGEVILLE—Sipe Jas. B. & Co., Dept. H.
HANOVER—Acme Extract & Chemical Works (E. G. Eckert, Prop.)
JAMESTOWN—Jamestown Paint & Varnish Co.
JOHNSTOWN—Cambria Paint & Color Co.
NORRISTOWN—Norristown Varnish Co. (Ltd.)
PHILADELPHIA—Adams Thos. J. & Co., 3605 N 4th
Atlantic Drier & Varnish Co., Meadow & Wolf
Bean Lewis U. Co., 932 Cherry
Bridgeport Wood Finishing Works (Du Pont)
Coyne Bros. Varnish Co., N 2d & Pike
Denny Hilborn & Rosenbach, 230 N 12th
DU PONT E. I. DE NEMOURS & CO., INC., Paint and Varnish Dept. ("Chi-Vo" Flat Finish, "Navalite" Exterior, "Shipoleum" Interior & "Du Pont"), 3500 Grays Ferry rd, Phila., Pa.
See adv index at end of book
Felton Sibley & Co., 136 N 4th
French Samuel H. & Co., 4th & Callowhill
Grogan H. F. & Co., 2113 E Sergeant
Howell C. H. & Co., 212 Race
Lawrence-McFadden Co., 1400 Fkd. av
Lucas John & Co., 322 Race
McCloskey Varnish Co., S 30th, c Locust
Metropolitan Paint & Varnish Co., 322 Race
Nice Eugene E. ("Nice"), 272 S 2d
Pecora Paint Co., 4th & P. & R. R. R.
Phoenix Paint & Varnish Co., 124 Market
Schrack C. & Co., 152 N 4th
Shoemaker Robt. & Co., 4th & Race
Spruance-Gilbert Co., 312 N 3rd
Thomson Wood Finishing Co., 329 N. 3rd *See adv index at end of book*
Trainer Walter L. Co., 3328 Germantown
Watrous Varnish Co., 20th & Tasker
Wetherill Geo. D. & Co., 113 Arch
Wocher H. M. & Son, 1222 W College av
PITTSBURGH—Eagle Paint & Varnish Co., 225 Galveston
Globe Varnish Co., Kelly & La Schall
Hommel I. Co., 209 4th av
Impervious Varnish Co., 421 Wood
Iron City Oil & Varnish Co., Inwood & Frankstown
Lawrence W. W. & Co. ("Tiger-Brand")
Pittsburgh Varnish Co., 2640 Liberty av
Pruett-Schaffer Chemical Co., Tabor
Sterling Varnish Co., Fulton bldg
Suydam M. B. Co., 61st & Butler
Thompson & Co., 857 North av, N. S.
READING—Wilhelm A. Co.
SHARPSBURG—Atlas Paint Co.
TULLYTOWN—Tully Paint & Varnish Co.
WASHINGTON—Capitol Paint & Varnish Co.

RHODE ISLAND.

PROVIDENCE—U. S. Gutta Percha Paint Co., 12-30 Dudley

TENNESSEE.

MEMPHIS—Truc-Tagg Paint Co.

TEXAS.

HOUSTON—Kuhn's Paint & Varnish Works
Rogers W. H. Paint Mill

VIRGINIA.

RICHMOND—Atlantic Varnish Works, Inc.

WASHINGTON.

SEATTLE—Lion Varnish Mfg. Co. Inc. ("Lion-Las" Colored), 3420 13th av SW
Seattle Paint Co. ("Ironite"), 1023 1st av
TACOMA—Fuller W. P. & Co. (Dirs.), Dept. H

WEST VIRGINIA.

WHEELING—Blue Ribbon Paint Co.

WISCONSIN.

MILWAUKEE—O'Neil Oil & Paint Co., 297 E Water
Patton-Pitcairn Division, Pittsburgh Plate Glass Co. 213 Lake
RACINE—Johnson S. C. & Son

16439a—*Varnish Removers

See Also Paint & Varnish Removers

WILSON-IMPERIAL CO., Manufacturers ("Lingerwett"—Liquid and "Wonderpaste"—semi-paste), 115 Chestnut, Newark N. J.
See adv index at end of book

16440— Varnish Renovator

Aquart Mfg. Co. (Cleaning & Polishing), Chemical bldg, St. Louis, Mo.
Columbia Refining Co. ("Columbia" Preservative & Cleaner), 90 West, New York
Fuller W. P. & Co. (Lustre Polish), 301 Mission, San Francisco, Cal.
Imperial Car Cleaner Co., 115 Chestnut, Newark, N. J.
Sipe Jas. B. & Co., Dept. H, Bridgeville, Pa.

16441— Varnish Substitutes

Boley C. H. Co. ("Lino-O-Lac"), 3722 N Randolph, Phila., Pa.
Standard Varnish Works, 90 West, New York

16442—Varnishes (Architectural)

Acme White Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
Arco Co., Euclid av & E 65th, Cleveland, O.
Atlantic Varnish Works, Inc. ("Duralite"), Richmond, Va.
Bass Heuter Paint Co. ("Heuter's Superior"), 816 Mission, San Francisco, Cal.
Boston Varnish Co., Everett Station, Boston, Mass.
Columbus Varnish Co., Columbus, O.
Elmendorf Varnish Co. (For the Building Trade), 841 Larrabee, Chicago, Ill.
Fuller W. P. & Co., 301 Mission, San Francisco, Cal.
Impervious Varnish Co., 421 Wood, Pittsburgh, Pa.
Keystone Varnish Co. ("Trimalite"), 71 Otsego, Brooklyn, N. Y.
Murphy Varnish Co., 224 McWhorter, Newark, N. J.
Nice Eugene E., 272 S 2d, Phila., Pa.
Parker C. H. Co., Valparaiso, Ind.
See adv index at end of book
Shaffer Color & Varnish Corp., Hoboken, N. J.
Sipe Jas. B. & Co., Dept. H, Bridgeville, Pa.
Standard Varnish Works, 90 West. New York
Valentine & Co., 456 Fourth av, New York
Voltax Co., 99 Reservoir av, Bridgeport, Conn.

16443—Varnishes (Asphaltum)

Acme White Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
Akron Varnish Co., Akron, O.
Allentown Mfg. Co., 24 S 6th, Allentown, Pa.
American Wood Preserving Co., 3743 N Marshfield, Chicago, Ill.
Arco Co., Euclid av & E 65th, Cleveland, O.
Atlantic Drier & Varnish Co., Meadow & Wolf, Phila., Pa.
Atlantic Varnish Works, Inc., Richmond, Va.
Bass Heuter Paint Co. ("Heuter's Superior"), 816 Mission, San Francisco, Cal.
Boston Varnish Co., Everett Station, Boston, Mass.
California Paint Co., Oakland, Cal.
Certain-teed Products Co. ("Certain-teed" Extra Black), Boatmans Bank bldg., St. Louis, Mo.
CHICAGO VARNISH WORKS, 2100 Elston av, Chicago, Ill.
De Bar Co., The, 58 Delevan, Brooklyn, N. Y.
Devoe & Raynolds Co., Inc., 101 Fulton, New York.
Doggett Stanley, 11 Cliff, New York
DU PONT E. I. DE NEMOURS & CO. INC., Paint & Varnish Dept. (See Adv at Paint), 3500 Grays Ferry rd, Philadelphia, Pa.
See adv index at end of book
Eagle Paint & Varnish Co., 225 Galveston, Pittsburgh, Pa.
Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, O.
Fort Pitt Oil & Paint Co., 3206 Penn, Pittsburgh, Pa.
French Samuel H. & Co., 4th & Callowhill, Phila., Pa.
Fuller W. P. & Co., 301 Mission, San Francisco, Cal.
Glidden Co., Madison av & Berea rd, Cleveland, O.
Hommel O. Co., 209 4th av, Pittsburgh, Pa.
Impervious Varnish Co., 421 Wood, Pittsburgh, Pa.
Kay & Ess Co., Dayton, O.
Lilly Varnish Co., 670 S California, Indianapolis, Ind.
Lucas Jno. & Co., 322 Race, Phila., Pa.
McCloskey Varnish Co., 30th & Locust, Phila., Pa.
Macneal Jas. B. & Co., Warner & Wooster, Baltimore, Md.
Masury Jno. W. & Son, 50 Jay, Brooklyn, N. Y.
Moore Benjamin & Co., 231 Front, Brooklyn, N. Y.
Mound City Paint & Color Co., 11th & Mullanphy, St. Louis, Mo.
National Varnish Co., 153 West av, Long Island City, N. Y.
O'Brien Varnish Co., South Bend, Ind.
Paraffin Co.'s, Inc., 475 Brannan, San Francisco, Cal.
Parker Chas. H. Co. (Baking & Air Drying), Valparaiso, Ind.
See adv. index at end of book
Pratt & Lambert, 189 Tonawanda, Buffalo, N. Y.
Riesenman Mfg. Co., Franklin, Pa.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Sherwin-Williams Co., Cleveland, O.
Sipe Jas. B. & Co., Dept. H, Bridgeville, Pa.
Smith Edw. & Co. (Black), 127 West av, Long Island City, N. Y.
Standard Varnish Works, 90 West, New York
Truscon Laboratories (Asphaltum) Caniff & G. T. R. R., Detroit, Mich.
United Varnish Co., 243 Green, Long Island City, N. Y.
Voltax Co., 99 Reservoir av, Bridgeport, Conn.
Wilhelm A. Co., Reading, Pa.

16444—Varnishes (Automobile)

Acme White Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
Arco Co., Euclid av & E 65th, Cleveland, O.
Atlantic Varnish Works, Inc. ("Ultra Blac"), Richmond, Va.
Bass Heuter Paint Co. ("Heuter's Superior"), 816 Mission, San Francisco, Cal.
Boston Varnish Co., Everett Station, Boston, Mass.
Certain-teed Products ("Certain-teed"), Boatman's Bank bldg, St. Louis, Mo.
Columbus Varnish Co., Columbus, O.
Ditzler Color Co., 40 Baltimore av, W Detroit, Mich.
Elmendorf Varnish Co., 841 Larrabee, Chicago, Ill.
Fuller W. P. & Co., 301 Mission, San Francisco, Cal.
Hildreth Varnish Co., 90 West, New York
Impervious Varnish Co., 421 Wood, Pittsburgh, Pa.
Moore Benjamin & Co., 231 Front, Brooklyn, N. Y.
Mountain Varnish & Color Works Inc., Toledo, Ohio.
Murphy Varnish Co., 224 McWhorter, Newark, N. J.
Nice Eugene E., 272 S 2d, Phila., Pa.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Standard Varnish Works, 443H Fourth av, New York
Valentine Co. ("Valentines," "Celox Surfacer," "Celox Primer"), 456 4th av, New York
Voltax Co., 99 Reservoir av, Bridgeport, Conn.
Wadsworth, Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.
Willey C. A. & Co., Hancock, Long Island City, N. Y.

16445— Varnishes (Baking)

Bakelite Corp., 247 Park av, New York
Bass Hueter Paint Co. ("Hueter's Superior"), 816 Mission, San Francisco, Cal.
Boston Varnish Co., Everett Station, Boston, Mass.
California Paint Co., Oakland, Cal.
Elmendorf Varnish Co., 841 Larrabee, Chicago, Ill.
Fuller W. P. & Co., 301 Mission, San Francisco, Cal.
Impervious Varnish Co., 421 Wood, Pittsburgh, Pa.
Murphy Varnish Co., 224 McWhorter, Newark, N. J.
Nice Eugene E., 272 S 2d, Phila., Pa.
Paraffin Co.'s, Inc., 475 Brannan, San Francisco, Cal.
Parker C. H. Co., Valapariso, Ind.
See adv index at end of book
Shaffer Color & Varnish Corp., Hoboken, N. J.
Standard Varnish Works, 443H Fourth av, New York
Voltax Co., 99 Reservoir av, Bridgeport, Conn.
Wadsworth, Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.

16446— Varnishes (Black)

Arco Co., Euclid av & E. 65th, Cleveland, O.
Bass Hueter Paint Co. ("Hueter's Superior"), 816 Mission, San Francisco, Cal.
Chicago Mica Co. ("Champion" Coil & Air Drying), Campbell, Valparaiso, Ind.
See adv index at end of book
Essex Varnish Co., 218 McWhorter, Newark, N. Y.
Fuller W. P. & Co., 301 Mission, San Francisco, Cal.
Hildreth Varnish Co., 90 West, New York
Impervious Varnish Co., 421 Wood, Pittsburgh, Pa.
Moore Benjamin & Co., 231 Front, Brooklyn, N. Y.

(Continued on following page)

Varnishes (Black)—Continued

Nice Eugene E., 272 S 2d, Phila., Pa.
Parker C. H. Co., Valparaiso, Ind.
See adv index at end of book
Protexol Corp. (Coal Tar), 41 Barclay, New York *See adv index at end of book*
Shaffer Color & Varnish Corp., Hoboken, N. J.
Standard Varnish Works, 443H 4th av, New York
Valentine & Co. (In Oil or Japan), 456 Fourth av, New York
Voltax Co., 99 Reservoir av, Bridgeport, Conn.
Wadsworth, Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.

16447-8—Varnishes (Bronzing)

Bass Hueter Paint Co. ("Hueter's Superior"), 816 Mission, San Francisco, Cal.
De Bar Co., 58 Delevan, Brooklyn, N. Y.
Fuller W. P. & Co., 301 Mission, San Francisco, Cal.
Murphy Varnish Co., McWhorter, Newark, N. J.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Standard Varnish Works, 443H Fourth av, New York
Valentine Co., 456 4th av, New York
Voltax Co., 99 Reservoir av, Bridgeport, Conn.

16449—*Varnishes (Embossing)

BINSWANGER B. & CO., 329 N 2d, Phila., Pa.

16450— Varnishes (Enameled Leather)

Bass Hueter Paint Co. ("Hueter's Superior"), 816 Mission, San Francisco, Cal.
Chase, Roberts & Co., West av, Long Island City, N. Y.
Flood & Conklin Co. (For Renovating Old Carriage Tops), 132 Chestnut, Newark, N. J.
Fuller W. P. & Co., 301 Mission, San Francisco, Cal.
Hildreth Varnish Co., 90 West, New York
Shaffer Color & Varnish Corp., Hoboken, N. J.
Standard Varnish Works, 90 West, New York
Voltax Co., 99 Reservoir av, Bridgeport, Conn.

Varnishes (Floor)

See Floor Finish

16451—Varnishes (Insulating)

See also Compounds, Insulating; also Paints, Insulating
American Di-Electric Ltd., 466 E 7th, Brooklyn, N. Y.
Arco Co., Euclid av & E 65th, Cleveland, Ohio
BAKELITE CORP. (For coating or impregnating materials and for insulating electric coil windings, etc), 247 Park av, New York
See adv index at end of book
Bass Hueter Paint Co. ("Hueter's Superior"), 816 Mission, San Francisco, Cal.
Benolite Co., Columbia Bank bldg, Pittsburgh, Pa.
Berry Bros., 211 Leib, Detroit, Mich.
Calman Emil & Co. ("Ohmlac"), 100 William, New York
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Chase, Roberts & Co., West av, Long Island City, N. Y.
Cochrane Chemical Co., 432 Danforth av, Jersey City, N. J.
Columbus Varnish Co., Columbus, O.
Devoe & Raynolds Co., Inc., 101 Fulton, New York.
Dielectric Mfg. Co., 224 S Vandeventer av, St. Louis, Mo.
Dolph John C. Co., 168 Emmett av, Newark, N. J.
Eagle Paint & Varnish Co., 225 Galveston, Pittsburgh, Pa.
Fuller W. P. & Co., 301 Mission, San Francisco, Cal.
GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book
Hildreth Varnish Co., 90 West, New York
Hilo Varnish Corp., Marcy & Flushing avs, B'klyn, N. Y.
IMPERVIOUS VARNISH CO., 421 Wood, Pittsburgh, Pa.
Insulatine Co., 1 B'way, New York
Irvington Varnish & Insulator Co., Irvington, N. J.
Lehon Co., 4451 S Oakley av, Chicago, Ill.
See adv index at end of book
Mica Insulator Co. ("M. I. C.," "Linolac"), 68 Church, New York
Mineraliac Electric Co., 1045 Washington blvd, Chicago, Ill.
Mitchell-Rand Mfg. Co., 26 Vesey, New York
Murphy Varnish Co., 224 McWhorter, Newark, N. J.
New England Oil, Paint & Varnish Co., Waters av, Boston, Mass.
Nice Eugene E., 272 S 2d, Phila., Pa.
Paraffin Co.'s., Inc., ("Pabco," "P. & B."), 475 Brannan, San Francisco, Cal.
Packard Electric Co., Warren, O.
Parker C. H. Co., Valapariso, Ind.
See adv index at end of book
Patton Paint Co., Milwaukee, Wis.
Pittsburgh Insulating Co., 96 43d, Pittsburgh, Pa.
Pyramid Paint Co., 133 N 22d, Phila., Pa.
Robertson Chemical Co., 9808 Meech av, Cleveland, O.
Schenectady Varnish Co., Schenectady, N. Y.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Sherwin-Williams Co., Cleveland, O.
Smith Edw. & Co., 127 West av, Long Island City, N. Y.
Standard Varnish Works ("Kwickwork" "Voltalac"), 443H Fourth av, New York
Sterling Varnish Co., Fulton bldg, Pittsburgh, Pa.
Voltax Co., 99 Reservoir av, Bridgeport, Conn.
Wadsworth, Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

16452—Varnishes (Linoleum & Oil Cloth)

Acme White Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
Bass Hueter Paint Co. ("Hueter's Superior"), 816 Mission, San Francisco, Cal.
Boston Varnish Co. ("Kyanize"), Everett Station, Boston, Mass.
Certain-teed Products Co. ("Certain-teed"), Boatman's Bank bldg, St. Louis, Mo.
Chase, Roberts & Co. (Floor & Table), West av, Long Island City, N. Y.
Fuller W. P. & Co., 301 Mission, San Francisco, Cal.
Hildreth Varnish Co., 90 West, New York
Murphy Varnish Co., 224 McWhorter, Newark, N. J.
Pioneer Mfg. Co. ("Shino"), 3053 E. 87th, Cleveland, O.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Valentine Co., 456 4th av, New York
Voltax Co., 99 Reservoir av, Bridgeport, Conn.
Wadsworth, Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.

16453— Varnishes (Marine)

Acme White Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
Anglo-American Varnish Co., 53 Johnson, Newark, N. J.
Arco Co., Euclid av & E 65th, Cleveland, O.
Babcock John & Co., Allston, Boston, Mass.
Bass Hueter Paint Co. ("Hueter's Superior"), 816 Mission, San Francisco, Cal.
Berry Bros., 211 Leib, Detroit, Mich.
Boston Varnish Co., Everett Station, Boston, Mass.
Bradley-Wise Paint Co. ("Bradley's"), 49th & Pacific blvd, Los Angeles, Cal.
Brooklyn Varnish Mfg. Co. ("K-A-U-R-1" Spar), 35 Nostrand av, Brooklyn, N. Y.
Burbank & Ryder, Boston, Mass.
California Paint Co., Oakland, Cal.
Devoe & Raynolds Co., Inc., 101 Fulton, New York.
French Samuel H. & Co., 4th & Callowhill, Phila., Pa.
Fuller W. P. & Co., 301 Mission, San Francisco, Cal.
Impervious Varnish Co., 421 Wood, Pittsburgh, Pa.
Kuhls H. B. Fred ("Elastic" Deck Varnish), 6413 3d av, Brooklyn, N. Y.
Lucas John & Co., 322 Race, Phila., Pa.
Lilly Varnish Co., Indianapolis, Ind.
Louisville Varnish Co., Louisville, Ky.
McCloskey Varnish Co., 30th & Locust, Philadelphia, Pa.
Masury John W. & Son, 50 Jay, Brooklyn, N. Y.
Mott Haven Color Works, 395 Mott av, New York
Mound City Paint & Color Co., 11th & Mullanphy, St. Louis, Mo.
Murphy Varnish Co., 224 McWhorter, Newark, N. J.
National Varnish Co., 153 West av, Long Island City, N. Y.
Newark Varnish Works ("Best" Boatspar), 116 Delancy, Newark, N. J.
Nice Eugene E., 272 S 2d, Phila., Pa.
O'Brien Varnish Co., South Bend, Ind.
Paraffin Co.'s., Inc. ("Pabco"), 475 Brannan, San Francisco, Cal.
Parker Charles H. Co., Valparaiso, Ind.
Parrott Varnish Co., Bridgeport, Conn.
Patton Paint Co., Milwaukee, Wis.
Pratt & Lambert, 189 Tonawanda, Buffalo, N. Y.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Sherwin-Williams Co., Cleveland, O.
Smith Edw. & Co., 127 West av, Long Island City, N. Y.
Standard Varnish Works ("Oceana"), 443H 4th av, New York
Star-Peerless Paper Mills, 1314 Benton, Joliet, Ill.
Toch Bros. (Spar, etc), 320 5th av, New York
Valentine & Co. ("Valspar"), 456 Fourth av, New York
Voltax Co., 99 Reservoir av, Bridgeport, Conn.
Wadsworth, Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.
Winn Wm. R. (Jobbers, Spar, etc), 488 Cherry, New York
Woolsey C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.

16454— Varnishes (Piano)

Acme White Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
Bass Hueter Paint Co. ("Hueter's Superior"), 816 Mission, San Francisco, Cal.
Boston Varnish Co., Everett Station, Boston, Mass.
Chase, Roberts & Co., West av, Long Island City, N. Y.
Fuller W. P. & Co., 301 Mission, San Francisco, Cal.
Glidden Co. ("Skin Cote"), Madison av & Berea rd, Cleveland, O.
Hildreth Varnish Co., 90 West, New York
Impervious Varnish Co., 421 Wood, Pittsburgh, Pa.
Murphy Varnish Co., 224 McWhorter, Newark, N. J.
Standard Varnish Works, 90 West, New York
Valentine & Co., 456 Fourth av, New York
Voltax Co., 99 Reservoir av, Bridgeport, Conn.

16455—Varnishes (Printing & Lithographic)

Bass Hueter Paint Co. ("Hueter's Superior"), 816 Mission, San Francisco, Cal.
California Ink Co. ("Calinko"), Dept. H, 4th & Camelia, Berkeley, Cal.
Columbus Varnish Co. (Lithographic), Columbus, O.
Impervious Varnish Co., 421 Wood, Pittsburgh, Pa
International Chemical Products Co., 330 Winston, Los Angeles, Cal.
Morrill Geo. H. Co., Norwood, Mass.
Standard Varnish Works, 90 West, New York
Whistler & Myers, Inc., 482 Boyd, Los Angeles, Cal.

16456—Varnishes (Railway & Carriage)

Acme White Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
Adams & Elting Co., 1835 Seward, Chicago, Ill.
American Varnish Co., 1140 N Branch, Chicago, Ill.
Anglo-American Varnish Co., 53 Johnston, Newark, N. J.
Arco Co., Euclid av & E 65th, Cleveland, O.
Bass Hueter Paint Co. ("Hueter's Superior"), 816 Mission, San Francisco, Cal.
Beckwith-Chandler Co., 203 Emmett, Newark, N. J.
Berry Bros., 211 Leib, Detroit, Mich.
Bigelow Varnish Co., 87 Oliver, Newark, N. J.
Boston Varnish Co., Everett Station, Boston, Mass.
Bradley-Wise Paint Co. ("Bradley's"), 49th & Pacific blvd, Los Angeles, Cal.
Chase, Roberts & Co., West av, Long Island City, N. Y.
Detroit Graphite Co., 518 12th, Detroit, Mich.
Devoe & Raynolds Co., Inc., 101 Fulton, New York.
Elmendorf Varnish Co., 841 Larrabee, Chicago, Ill.
Flint Varnish & Color Wks., Flint, Mich.
Flood & Conklin Co., 132 Chestnut, Newark, N. J.
French Samuel H. & Co., 4th & Callowhill, Phila., Pa.
Fuller W. P. & Co., 301 Mission, San Francisco, Cal.
Glidden Co., Madison av & Berea rd, Cleveland, O.
Hegeman-Castle Corp. ("Anglo American"), 80 E Jackson, Chicago, Ill.
Hildreth Varnish Co., 90 West, New York
Hilo Varnish Corp., Marcy & Flushing avs, Brooklyn, N. Y.
Holden & White ("Anglo American"), 807 Jackson, Chicago, Ill.
Imperial Varnish Co., 421 Wood, Pittsburgh, Pa.
Lawrence W. W. & Co., Pittsburgh, Pa.
Louisville Varnish Co., Louisville, Ky.
Lowe Bros. Co., Dayton, O.
Lucas John & Co., 322 Race, Phila., Pa.
Martin-Senour Co, 2520 Quarry, Chicago, Ill.
Masury John W. & Son, 50 Jay, Brooklyn, N. Y.
Mayer & Loewenstein, 164 Water, New York
Moore Benjamin & Co., 231 Front, Brooklyn, N. Y.
Mott Haven Color Works, 395 Mott av, New York
Mound City Paint & Color Co., 11th & Mullanphy, St. Louis, Mo.
Murphy Varnish Co., 224 McWhorter, Newark, N. J.
National Varnish Co., 153 West av, Long Island City, N. Y.
Nice Eugene E., 272 S 2d, Phila., Pa.
O'Brien Varnish Co., South Bend, Ind.

Parker C. H. Co., Valapariso, Ind.
See adv index at end of book
Parrott Varnish Co., Bridgeport, Conn.
Patton Paint Co., Milwaukee, Wis.
Pratt & Lambert, 189 Tonawanda, Buffalo, N. Y.
Schenectady Varnish Co., Schenectady, N. Y.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Sherwin-Williams Co., Cleveland, O.
Smith Edw. & Co., 127 West av, Long Island City, N. Y.
Standard Varnish Works ("Standard"), 443H Fourth av, New York
Valentine & Co. ("Lawson"), 456 Fourth av, New York
Voltax Co., 99 Reservoir av, Bridgeport, Conn.
Wadsworth, Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.
Willey C. A. Co., Hancock, Long Island City, N. Y.
Woolsey C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.

16457— Varnishes (Rosin)

Bass Hueter Paint Co. ("Hueter's Superior"), 816 Mission, San Francisco, Cal.
Fuller W. P. & Co., 301 Mission, San Francisco, Cal.
Standard Varnish Works, 443H Fourth av, New York
Wadsworth, Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.

16458— Varnishes (Rubbing)

Bass Hueter Paint Co. ("Hueter's Superior"), 816 Mission, San Francisco, Cal.
Boston Varnish Co., Everett Station, Boston, Mass.
Fuller W. P. & Co., 301 Mission, San Francisco, Cal.
Hildreth Varnish Co., 90 West, New York
Murphy Varnish Co., McWhorter, Newark, N. J.
Nice Eugene E., 272 S 2d, Phila., Pa.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Sipe Jas. B. & Co., Dept. H, Bridgeville, Pa.
Standard Varnish Works, 443H Fourth av, New York
Valentine & Co. ("Lawson"), 456 Fourth av, New York
Voltax Co., 99 Reservoir av, Bridgeport, Conn.
Wadsworth, Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.

Varnishes (Shellac)

See Shellac

16459— Varnishes (Spar)

Acme White Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
Arco Co., Euclid av & E 65th, Cleveland, O.
California Paint Co., Oakland, Cal.
Certain-teed Products Co. ("Certain-teed" "Weather Shield"), Boatmans Bank bldg, St. Louis, Mo.
Detroit Graphite Co., 518 12th, Detroit, Mich.
Essex Varnish Co., 218 McWhorter, Newark, N. J.
Flood & Conklin Co., 132 Chestnut, Newark, N. J.
Fuller W. P. & Co., 301 Mission, San Francisco, Cal.
Hildreth Varnish Co., 90 West, New York
Nice Eugene E., 272 S 2d, Phila., Pa.
Parker C. H. Co., Valapariso, Ind.
See adv index at end of book
Shaffer Color & Varnish Corp., Hoboken, N. J.
Sipe Jas. B. & Co., Dept. H, Bridgeville, Pa.
Standard Varnish Works, 443H Fourth av, New York
Valentine Co., 456 4th av, New York
Voltax Co., 99 Reservoir av, Bridgeport, Conn.
Wadsworth, Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.
Willey C. A. Co., Hancock, Long Island City, N. Y.

16460— Varnishes & Japans (Asphalt)

Acme White Lead & Color Works, 8250 St. Aubin, Detroit, Mich.
Akron Varnish Co., Akron, O.
Arco Co., Euclid av & E 65th, Cleveland, O.
Atlantic Varnish Works, Inc., Richmond, Va.
Barrett Co., 17 Battery pl, New York
Bass Hueter Paint Co. ("Hueter's Superior"), 816 Mission, San Francisco, Cal.
Boston Varnish Co., Everett, Mass.
California Paint Co., Oakford, Cal.
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Day Jas. B. & Co., 224 W Superior, Chicago, Ill.
Devoe & Raynolds Co., Inc., 101 Fulton, New York.
Doggett Stanley, 11 Cliff, New York
Essex Varnish Co., 218 Whorter, Newark, N. J.
Ford Roofing Products Co., 2339 La Salle, Chicago, Ill.
French Samuel H. & Co., 4th & Callowhill, Phila., Pa.
Fuller W. P. & Co. (Japan), 301 Mission, San Francisco, Cal.
Hildreth Varnish Co., 90 West, New York
IMPERVIOUS VARNISH CO., 421 Wood, Pittsburgh, Pa.
Lilly Varnish Co., Indianapolis, Ind.
Lowe Bros. Co., Dayton, O.
Mound City Paint & Color Co., 11th & Mullanphy, St. Louis, Mo.
Nice Eugene E., 272 S 2nd, Phila., Pa.
Paraffin Co.'s., Inc., ("Pabco"), 475 Brannan, San Francisco, Cal.
Parker C. H. Co., Valparaiso, Ind.
Patton Paint Co., Milwaukee, Wis.
Perry-Derrick Varnish Co., Vine & C. O. Ry., Cincinnati, Ohio
Pratt & Lambert, 189 Tonawanda, Buffalo, N. Y.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Sipe Jas. B. & Co., Dept. H, Bridgeville, Pa.
Smith Edw. & Co., 127 West av, Long Island City, N. Y.
Standard Varnish Works, 90 West, New York
Thomson Wood Finishing Co., 329 N. 3rd, Phila., Pa. *See adv index at end of book*
Trinidad Asphalt Mfg. Co. ("The Epure"), Title Guaranty Trust bldg, St. Louis, Mo.
Ulster Paint Works, Ellenville, N. Y.
Voltax Co., 99 Reservoir av, Bridgeport, Conn.

16461— Vases (Coal)

Central Stamping Co., 206 B'way, New York
Hirschman W. F. Inc., 90-92 Main, Buffalo, N. Y.

16461a—Vases (Hat Pin Holders)

DU PONT E. I. DE NEMOURS & CO. INC., Pyralin Div. ("Pyralin, "See Adv at Celluloid), Arlington, N. J.
See adv index at end of book

16462— Vases, Urns & Tripods

National Plastic Relief Co., 907 Evans, Cincinnati, Ohio

16463—Vats (Cheese Factory)

ACME TANK COMPANY, 59 Cortlandt, New York. *See adv index at end of book*
American Stave & Cooperage Co., Chelsea, Mass.
Atlantic Tank & Barrel Corp., Hoboken, N. J.
Burrell D. H. & Co., Inc. ("Burrell-Simplex" Storage), Little Falls, N. Y.
Bushnell Tank Works, Bushnell, Ill.
Cypress Lumber Co., 88 Broad, Boston, Mass.
Indiana Foundry Co., Indiana, Pa.
New England Tank & Tower Co., 42 Main Everett, Mass.
Oakes & Burger Co., Cattaraugus, N. Y.
Picking D. & Co., Bucyrus, Ohio
Presing Geo. W. Co., Inc., 90 Clay, San Francisco, Cal.
Schlichter E. F. Co. (& Cedar), 10 S 18th, Phila., Pa.
STEARNS, A. T. LUMBER CO., 100 Taylor, Boston, Mass. *See adv index at end of book*
Stevens Tank & Tower Co., Auburn, Me.

16464— Vats (Dye)

ACME TANK COMPANY (Wood), 59 Cortlandt, New York
See adv index at end of book
Atlantic Tank & Barrel Corp., Hoboken, N. J.
Casey-Hedges Co., Chattanooga, Tenn.
EAGLE TANK CO., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Heltzel Steel Form & Iron Co. The, Warren, O.
See adv index at end of book
Hunt Rodney Mach. Co., Orange, Mass.
New England Tank & Tower Co., 42 Main, Everett, Mass.
New York Central Iron Wks. Co. Inc., Dept. H, Hagerstown, Md.
Schlichter E. F. Co. (Dye), 10 S 18th, Phila., Pa.
WOOLFORD G. WOOD TANK MFG. CO. (Cedar & Cypress), 72nd & Woodland, Philadelphia, Pa.
See adv index at end of book

16465—Vats (Milk & Cream)

Bloom Max & Co., 1147H Mission, San Francisco, Cal.
Burrell D. H. & Co., Inc. ("Burrell B. & W" & "Burrell-Simplex" Storage), Little Falls, N. Y.
Creamery Package Mfg. Co., 61 W. Kinzie, Chicago, Ill.
Davis-Watkins Dairymen's Mfg. Co, North Chicago, Ill.
Eagle Tank Co., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
Johnson & Carlson (Milk), 848 Eastman, Chicago, Ill.
Kretchmer Mfg. Co., Council Bluffs, Ia.
Lyle Culvert & Road Equipt. Co., 111 27th av S E. Minneapolis, Minn.
Presing Geo. W. Co., Inc., 90 Clay, San Francisco, Cal.

16465a—Vats (Monel Metal Linings)

Acme Coppersmithing Co., Inc., 1009 W Ohio, Chicago, Ill.
American Welding Co., 3011 S Wabash av, Chicago, Ill.
Austin Welding Works, 551 Quincy, Chicago
Badger & Sons Co., E. B., Boston, Mass.
Beckley Perforating Co., Garwood, N. J.
Behringer E. Sheet Metal Works, Inc., Newark, N. J.
Berla Elias, 232 Mulberry, Newark, N. J.
Burrell & Co., Inc., D. H., Little Falls, N. Y.
City Cornice Co., Oakland, Cal.
Columbia Heater Co., 396 Hamilton av, Paterson, N. J.
Detroit Heating & Lighting Co., Detroit, Mich.
Eagle Tank Co., 2426 N Crawford av, Chicago, Ill.
Edwards Mfg. Co., The, Cincinnati, O.
Emerson & Sack, 77 Haverhill, Boston, Mass.
Emery A. H., Glenbrook, Conn.
Falstrom Co., Passaic, N. J.
Farber Sheet Metal & Roofing Co., Pawtucket, R. I.
Fleming Tank Co., Pittsburgh, Pa.
Furman Engineering Corp., 30 Church, New York
General Tank Corp., 12 Monitor, Brooklyn, N. Y.
Giles Dyeing Machinery Co., North Philadelphia, Pa.
Groen Mfg. Co., 4535 Armitage av, Chicago
Gustafson & Schwartz, 39 Haverhill, Boston, Mass.
Hall & Sons, Amos H., Philadelphia, Pa.
Harley Co., The, Springfield, Mass.
Heil Co., The, Milwaukee, Wis.
Hendrick Mfg. Co., Carbondale, Pa.
Hub Sheet Iron Co., Boston, Mass.
Huehn & Co., C. N., Waterloo, Ont.
Hunter Machine Co., James, North Adams, Mass.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Johnson & Carlson, 848 Eastman, Chicago
Kirsten O., 51 Tehama, San Francisco, Cal.
Koven & Bro., L. O., Jersey City, N. J.
Liberty Coppersmithing Co., Phila., Pa.
Manchester J. B., Providence, R. I.
National Copper & Steel Tank Works, 455 North Artesian av, Chicago, Ill.
Newbold & Son Co., R. S., Norristown, Pa.
Par Excellence Tank Co., Milwaukee, Wis.
Parker Rust Proof Co., Detroit, Mich.
Quaker City Welding Co., 22nd & Parkway, Philadelphia, Pa.
Riddell & Son, Ltd., John E., Hamilton, Can.
Ruslander & Son, A. S., Buffalo, N. Y.
Russell Boiler Works Co., Jas., Boston, Mass.
Saron J., 1655 42nd, Brooklyn, N. Y.
Scaife & Sons Co., Wm. B., 26 Cortlandt, New York
Schaefer Co., Emil, 1320 N 5th, Phila., Pa.
Sholes, Inc., 186 Lafayette, New York
Smith, Drum & Co., Philadelphia, Pa.
Smith & Son, Samuel, Paterson, N. J.
Stewart Boiler Works, Worcester, Mass.
Van Noorden & Co., E., Boston, Mass.
Walter Theo. C., Newark, N. J.
Wilson Co., Andrew, Lawrence, Mass.
Wilson Iron Wks., Wm. H., Rochester, N. Y.

16466— Vats (Wood)

See also Tanks, Wood

(Names with * also manufacture Monel Metal Tie Rods)

ACME TANK COMPANY, 59 Cortlandt, New York *See adv index at end of book*
American Stave & Cooperage Co., Chelsea, Mass.
Atlantic Tank & Barrel Corp., Hoboken, N. J.
Bennett Bros. Co. ("Ideal"), 51 Payne, Lowell, Pa.
Breese Bros. Co., The, 2349 Reading rd, Cincinnati, Ohio
See adv index at end of book
***Caldwell Co., W. E., Louisville, Ky.**
***Corcoran, Inc., A. J., Jersey City, N. J.**
Cypress Lumber Co., 88 Broad, Boston, Mass.
EAGLE TANK CO., 2443 N Crawford av, Chicago, Ill.
See adv index at end of book
***Edwards Mfg. Co., Cincinnati, O.**
***Emerson & Sack, 77 Haverhill, Boston, Mass.**
***Fleming Tank Co., Pittsburgh, Pa.**
***Furman Engineering Corp., 30 Church, New York**
***General Tank Corp., 12 Monitor, Brooklyn, N. Y.**
***Hall & Son, Amos H., Philadelphia, Pa.**
***Hauser-Stander Tank Co., Cincinnati, O.**
***Huehn & Co., C. N., Waterloo, Ont.**
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
***Klieves Lumber Co., Wheeling, W. Va.**
***Lappan Mfg. Co., Jos., 20th & Pike, Pittsburgh, Pa.**
***Munning & Co., A. P., Matawan, N. J.**
***New England Tank & Tower Co., 42 Main, Everett, Mass.**
***Parker Rust Proof Co., Detroit, Mich.**
Schlichter E. F. Co. (& Cedar), 10 S 18th, Phila., Pa.

(Continued on following page)

Vats (Wood)—Continued

*Smith, Drum & Co., Philadelphia, Pa.
*Sholes, Inc., 186 Lafayette, New York
STEARNS A. T. LUMBER CO., 100 Taylor, Boston, Mass.
See adv index at end of book
*Stearns Lumber Co., A. T., Neponset, Mass.
Stevens Tank & Tower Co., Auburn, Me.
*Wendnagel & Co., 600 W 22nd, Chicago, Ill.
*Woolford G. Wood Tank Mfg. Co., 72nd & Woodland, Philadelphia, Pa.
See adv index at end of book

Vault & Office Furniture (Metallic)

See Bank & Office Fixtures, Metallic

16467—Vault & Sidewalk Lights (Plain & Prismatic)

American Bar Lock Co. ("Bar Lock" & "Nu Plan" Systems), Borden av, Long Island City, N. Y.
Am. 3-Way Prism Co. ("3-Way Luxfer" Prism), 13th & 55th Court, Cicero, Ill.
Barnum E. T. Wire & Iron Works, 864 Woodward av, Detroit, Mich.
Bartlett Hayward Co., Scott & McHenry, Baltimore, Md.
Brooklyn Vault Light Co. (Plain & Prismatic), 254 Monitor, Brooklyn, N. Y.
Brooks T. H. & Co., Cleveland, O.
Bruner P. M. Granitoid Co., Frisco bldg, St. Louis, Mo.
Canton Foundry & Machine Co., Canton, O.
See adv index at end of book
Columbia Iron & Wire Works Co., 1006 9th S W, Canton, Ohio
Creswell Samuel J. Iron Works, 23d & Cherry, Phila., Pa.
Crown Iron Works Co. (Sidewalk Lights Only), 1229 Tyler, Minneapolis, Minn.
Dauphin Wm. Bronze & Iron Works, 141 W 33d, New York
Dwan & Co., H, Monadnock bldg, San Francisco, Cal.
East Iron & Machine Co., 351 E Market, Lima, O.
Ernst's Chas. F. Sons, 75 Lathrop, Buffalo, N. Y.
Grossman Bros. & Rosenbaum, 82 Willow av, New York
Hamill Alex Iron Works, 426 Montgomery, Jersey City, N. J.
Hetherington & Berner, Indianapolis, Ind.
Heughes F. L. & Co., Rochester, N. Y.
International Steel & Iron Co., Evansville, Ind.
Jackson P. H. & Co., 227 First, San Francisco, Cal.
Madison Foundry Co., Cleveland, O.
Megquier & Jones Co., 31 Pearl, Portland, Me.
Meyers Fred. J. Mfg. Co., Hamilton, O.
Mills W. J., 25 Bainbridge, Brooklyn, N. Y.
Minneapolis Steel & Machinery Co., 2354 Minnehaha av, Minneapolis, Minn.
Moss J. E. Iron Works, Wheeling, W. Va.
New York Prism Co., 141 Spring, New York
Phoenix Sidewalk Light Co., H, Monadnock bldg, San Francisco, Cal.
Queen City Iron & Wire Works Co., 1431 Blake, Denver, Colo.
Republic Structural Iron Works Co., (Doors), 1350 E 53d, Cleveland, O.
Richards & Kelly Mfg. Co., 309 W 23d, Chicago, Ill.
Roanoke Iron & Bridge Work, Roanoke, Va.
ST. PAUL FOUNDRY CO., Como av & Mackubin, St. Paul, Minn.
See adv index at end of book
Schrieber L. & Sons Co., 3869 Ivanhoe, Cincinnati, O.
Smith G. W. & F. Iron Co., Gerard, Rox, Boston, Mass.
Smith & Lovett Co., 135 Tyler, Boston, Mass.
Snead Arch'l Iron Works, Louisville, Ky.
Southern Foundry Co., Owensboro, Ky.
Toledo Wire & Iron Works, Toledo, O.
Union Building & Cons. Co., Passaic, N. J.
Union Glass Co., Somerville, Mass.
Verdeckberg Iron & Wire Works Co., 1109 California, Denver, Colo.
West Side Structural Co., Troy, N. Y.
Withers Foundry & Machine Works, Atlanta, Ga.

16468—Vehicles (Children's)

Amberg Louis & Son ("Koaster Kid"), 141 E 25th, New York
American National Co., Toledo, O.
Ames Van Aken Mfg. Co., Inc. ("Rocky Roller," "Roller Express" Wagons), Syracuse, N. Y.
B. & B. Mfg. Co. ("Skoots"), Racine, Wis.
Baker W. J. Co. ("Bi-Cars" & Speedmobiles), Newport, Ky.
Burgess & Norton Mfg. Co. ("Burnor," "Bucking Broncho"), Geneva, Ill.
Burnham Mfg. Co., Charles City, Ia.
Carriage & Toy Co., 741 W Lombard, Baltimore, Md.
COLSON CO., THE ("Fairy"), Dept. H, Elyria, O.
See adv index at end of book
Dan Patch Co., Connersville, Ind.
Garton Toy Co. (Steel & Wood), Sheboygan, Wis.
Gendron Wheel Co. ("Pioneer" & "Gendron" Doll), Toledo, O.
Gibbs Mfg. Co. ("Daisy"), Canton, O.
Janesville Products Co., Janesville, Wis.
Junior Wheel Goods Co. (Brake Scooter), 651 S Clarence, Los Angeles, Cal.
Keystone Lantern Co., Dept. H, Sacony & Cottman, Phila., Pa.
Kunst John ("Rollomobile"), 43 Murray, New York
La Porte Mat & Mfg. Co. ("Hercules" Coaster Wagons), La Porte, Ind.
Lewis-Geer Mfg. Co. (Coaster Wagons), Ypsilanti, Mich.
Maine Machine Works ("Speedster" Scooter), 701 N Main, Los Angeles, Cal.
Manumotors Co. ("Eu-Re-Kar" & "Re Rach"), Manitowac, Wis.
Martin & Heagy Mfg. Co. ("Hickory"), Elizabethtown, Pa.
Mecky A. Co. ("Ledig Keystone," Velocipedes, Hand Cars, Automobiles, Barrows, etc), 1705 W Allegheny, Phila, Pa.
Pacific Toy & Device Mfg. Co., 227 San Bruno av, San Francisco, Cal.
Patch Dan Novelty Co., Connersville, Ind.
Puffer Hubbard Mfg. Co. (Coaster), Minneapolis, Minn.
Scoville E. U. Co. ("Yankee Flyer," Hand Cars), Manlius, N. Y.
Sherwood Bros. Mfg. Co. (Hand Carts), Canastota, N. Y.
South Bend Toy Mfg. Co. ("Peerless," "Bill" Coaster Wagons, etc), South Bend, Ind.
Standard Novelty Works, Duncannon, Pa.
Stearns E. C. & Co., 450 Oneida, Syracuse, N. Y.
Sterling Machine & Stamping Co., Wellington, Ohio
Thayer H. N. Co., Erie, Pa.
Toledo Metal Wheel Co. (Wagons, Carts, Velocipedes, Automobiles, etc), Toledo, O.
White H. C. Co. ("Kidie-Kar"), North Bennington, Vt.
Wilson Pliny D. Co. 433 California, San Francisco, Cal.
Wilson & Carmona, Winona, Minn.
Winkler Mfg. Co., 29 Hydraulic av, South Bend, Ind.

16468a—*Vellum and Fabrics (for Printing)

Williams, Brown & Earle ("Linaura"), 918 Chestnut, Phila., Pa.

16469— Velocipedes

American National Co., Toledo, O.
COLSON CO. (THE) ("Fairy"), Elyria, O.
See adv index at end of book
Crandall Carriage Co., 593 3d av, New York
Gendron Wheel Co., Toledo, O.
Great Western Mfg. Co. ("Crown" "Reading Standard" "America"), La Porte, Ind.
Hill-Standard Mfg. Co., Anderson, Ind.
Mecky A. Co., 1707 W. Allegheny, Phila., Pa.
Thayer H. N. Co., Erie, Pa
Toledo Metal Wheel Co., Toledo, O.
Wilkinson Mfg. Co., Binghamton, N. Y.

16470— Velour ("Tiffany")

Coulson J. W. & Co. ("Coulson"), 95 W. Spring, Columbus, Ohio
Tiffany Studios, 36 Madison av, New York

16471— Velvets

American Velvet Co. (Silk), Stonington, Conn.
Blumenthal Sidney & Co. (Silk, Cotton Back), Shelton, Conn.
Boyd J. S. Co. (Corduroy & Velveteen), Williamstown, Mass.
Chase L. C. & Co. ("Chase Velmo" for Upholstery), 89 Franklin, Boston, Mass.
Cheney Brothers (Silk), South Manchester, Conn.
Helvetia Silk Mill (Silk), Paterson, N. J.
Martin J. B. Co. (Silk), Norwich, Conn.
Rossie Velvet Co. (Silk), Mystic, Conn.
Simon R. & H. Co. (Silk), Town of Union, N. J.

16472—Veneer Built-Up Woods

Ahnapee Veneer & Seating Co., Algoma, Wis.
Frost's Veneer Seating Co. (Ltd.), Sheboygan, Wis.
Haskelite Mfg. Co., Chamber of Commerce bldg, Chicago, Ill.
Louisville Veneer Mills, Louisville, Ky.
New Albany Veneering Co., New Albany, Ind.
Portsmouth Veneer & Panel Co., Portsmouth, O.
St. Louis Basket & Box Co., Wharf & Penrose, St. Louis, Mo.

16473— Veneer Mfrs.

Ahnapee Veneer & Seating Co., Algoma, Wis
Amos Chas. & Co., Inc., 300 Hart av, Detroit, Mich.
Anderson-Tully Co., N 2d, Memphis, Tenn.
Astoria Veneer Mills & Dock Co., ft Blackwell, Long Island City, N. Y.
Augusta Veneer Co., Augusta, Ga.
Batesville Lumber & Veneer Co., Lawrenceburg, Ind.
Beach & Fuller Co., Evansville, Ind.
Beaven-Jackson Lumber & Veneer Co., Evergreen, Ala.
Beeson Fred C. (Importer), 1032 Fulton, Chicago, Ill.
Blair Veneer Co., North Troy, Vt.
Buffelen Lumber & Mfg. Co., Tide Flats, Tacoma, Wash.
Cadillac Veneer Co., Cadillac, Mich.
Cadwallader-Gibson Co., 599 Brannan, San Francisco, Cal.
Carrom Co., Ludington, Mich.
Central Veneer Co. (Sliced), Winter av & Belt Ry, Indianapolis, Ind.
Chicago Veneer Co., Burnside, Ky.
Cincinnati Veneer Co., 1285 W 6th, Cincinnati, O.
Clement Veneer & Lbr. Co., Pamplico, S. C.
Colby-Hinkley Co., Benton Harbor, Mich.
Cooley Hardwood Mfg. Co., Ft. Dennison, Oakland, Cal.
Dann Bros. & Co. (Veneers & Panels), New Haven, Conn.
Davis Henry D. Lumber Co., Northwest Bank bldg., Portland, Ore.
Diamond Veneer Co., Edinburg, Ind.
Dieckmann Hardwood Co., Beach & Taylor, San Francisco, Cal.
Dwight Lumber Co., River Range, Detroit, Mich.
Eggers Fred Veneer Seating Co., Two Rivers, Wis.
Elkin Veneer & Mfg. Co., Elkin, N. C.
Elmore Veneer Co., Conneaut, O.
Ellicott Bay Mill Co. ("Big Timber"), 600 W Spokane av, Seattle, Wash.
Estes E. B. & Sons (Rotary Cut), 364 5th av, New York
See adv index at end of book
Evansville Veneer Co. (Sawed Sliced & Rotary Cut), 100 Kentucky, Evansville, Ind.
Farmers Mfg. Co. (Package & Crate), Norfolk, Va.
Foreman-Derrickson Veneer Co., Elizabeth City, N. C.
Frost's Veneer Seating Co. (Ltd.), Sheboygan, Wis.
Georgia Veneer & Package Co., Brunswick, Ga.
Gorham Bros. Co., Mount Pleasant, Mich.
Goshen Veneer Co. (Panels & Tops), Goshen, Ind.
Gowing D. H. Veneer Co. (Furniture), Portsmouth, Va.
Grand Rapids Veneer Works (& Panels), Grand Rapids, Mich.
Hall Fessenden (Mahogany Lumber & Veneers), 218 S 2d, Phila., Pa.
Hanson-Ward Veneer Co., Bay City, Mich.
Hardwood Products Co., Neenah, Wis.
Harper G. H. Co., Orange, N. J.
Haskelite Mfg. Corp., Chamber of Commerce bldg, Chicago, Ill.
High Point Veneer & Panel Co., High Point, N. C.
Hoffman Bros. Co., Fort Wayne, Ind.
Hood & Wright, Big Rapids, Mich.
Hoosier Specialty Co., Ladoga, Ind.
Hoosier Veneer Co., 3321 Mass av, Indianapolis, Ind.
Independence Veneer & Box Mfg. Co., Independence, La.
Indiana Veneer & Lumber Co. (Quartered Oak Sawed & Sliced), Indianapolis, Ind.
Indianapolis Sawed Veneer Co., 324 W 14th, Indianapolis, Ind.
Jamestown Panel Co., Jamestown, N. Y.
Jarrell B. C. & Co. (Rotary Cut Gum), Humboldt, Tenn.
Jasper Veneer Mills, Jasper, Ind.
Kentucky Veneer Works (Quartered, Sawed Oak Veneer), 13th & Magnolia, Louisville, Ky.
Kiel Wooden Ware Co. (The), Kiel, Wis.
Louisville Veneer Mills, 948 Fulton, Louisville, Ky.
Mackall-Paine Veneer Co., Vancouver, Wash.
Macon Veneer Co. (Gum Wood), Ft. Tupelo, Macon, Ga.
Memphis Veneer & Lumber Co., Plum & I. C. R. R., Memphis, Tenn.
Mengel C. C. & Bro. Co. (Circassian Walnut, Mahogany, etc), Louisville, Ky.
Merrill Veneer Co., Merrill, Wis.
Michigan Veneer Co., Alpena, Mich.
Morgan Veneer Co. (Rotary Cut Dried Gum), Pine Bluff, Ark.
Mummert W. C. & Co., Wawaka, Ind.
New Albany Veneering Co. (Build-Up or Veneered Tops, Panels, etc), New Albany, Ind.
Nickey Bros., Binghampton, Memphis, Tenn.
Norfolk Veneer Co., (Package & Crate), Norfolk, Va.
Olympia Veneer Co., Olympia, Wash.
Pacific Door & Sash Co., 3216 S. Main, Los Angeles, Cal.
Pacific Mutual Door Co., Tacoma, Wash.
Paducah Box & Basket Co., Paducah, Ky.
Palmer & Parker Co., Charlestown, Mass.
Pearl City Veneer Co., Jamestown, N. Y.
Perfection Mfg. Co., Penobscot bldg, Detroit, Mich.
Planter Mfg. Co., 7th & Maryland aves, Portsmouth, Va.
Portland Mfg. Co., Ft. Richmond, Portland, Ore.
Portsmouth Veneer & Panel Co., Portsmouth, O.
Putnam Veneer & Lumber Co., Roachdale, Ind.
Raymond Veneer Co., Raymond, Wash.
Rice Veneer & Lumber Co., Grand Rapids, Mich.
Roberts Veneer Co., New Albany, Ind.

Roddis Lumber & Veneer Co., Marshfield, Wis.
St. Louis Basket & Box Co., Wharf & Penrose, St. Louis, Mo.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Sedro Box & Veneer Co., Sedro Woolley, Wash.
Setter Bros. Co., Cattaraugus, N. Y.
Shiels Chas. F. & Co., Gest & McLean avs, Cincinnati, O.
STILES H. A. & CO., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Strong Veneer Co., Gerry, N. Y.
Sturm Adolph Co. (Importer & Dealer), 542 Wash blvd, Chicago, Ill.
Thomasville Veneer & Panel Co., Thomasville, N. C.
Thompson T. H., Milan, Ind.
Truitt & Lingo, Dagsboro, Del.
Underwood Veneer Co., Wausau, Wis.
Veneer Products Co., 1549 Dock, Tacoma, Wash.
Wagoner Lbr., Co. (Gum), Pamplico, S. C.
Walker Veneer Works, Alpena, Mich.
Warren Veneer & Panel Co., Warren, Pa.
Webb David R. Co., Edinburg, Ind.
Western Lumber Mfg. Co., Balfour bldg, San Francisco, Cal.
Wheeler, Osgood Co., Tide Flats, Tacoma, Wash.
Whisler Chas. F., Hillsboro, O.
Willey C. L., 2558 S Robey, Chicago, Ill.
Williamson-Kuny Mill & Lbr. Co. (White Oak), Mound City, Ill.
Williamson Veneer Co. (Furniture, Piano, etc), Baltimore & 8th, Baltimore, Md.
Wilts Veneer Co., Richmond, Va.
Wisconsin Veneer Co., Rhinelander, Wis.
Wood Mosaic Co., Highland Park, Louisville, Ky.

16474—Ventilating Apparatus (Electric)

Advance Co. (For Sash in Power Plants, Factories, Buildings, Greenhouses, etc), 542 N 14th, Richmond, Ind.
BAKER EDW. J. & CO., 608 Otis bldg, Chicago, Ill.
Century Ventilating Co., 617 E Fordham rd, New York
Dean O. J. & Co. (For Sash in Power Plants, Factories, Buildings, Greenhouses, etc.), 179 W. Washington, Chicago, Ill.
Dee William V. Co., 729 Union av, Bridgeport, Conn.
Ilg Electric Ventilating Co., Inc., 2850 N. Crawford av, Chicago, Ill.
Marshall Blow Pipe Co., 7431 Dubois, Detroit, Mich.
Phila. Drying Machinery Co. (Fans), 3351 Stokley, Phila., Pa.
Westinghouse Electric Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

16475-6—Ventilating Apparatus for Power Plants, Factories, Buildings, Greenhouses, Etc.

See also Blower Manufacturers; also Fans Various Kinds
Advance Co. (Revolving Shaft Tube), 542 N 14th, Richmond, Ind.
Allen Air-Turbine Ventilator Co., 1338 8th, Detroit, Mich.
American Blower Co., 6004 Russell, Detroit, Mich.
Amer. Register Co., 3600 Payne av, Cleveland, O.
Automatic Ventilator Co. ("Automatic," Make Your Room Breathe"), 1003H Park av, Baltimore, Md.
BAKER EDW. J. & CO., 608 Otis bldg, Chicago, Ill.
Buckeye Blower Co., 425 W Town, Columbus, O. *See adv index at end of book*
Buffalo Forge Co., 490 B'way, Buffalo, N. Y.
Connecticut Blower Co., Inc., 133 Sheldon, Hartford, Conn.
Dean O. J. & Co. (Distributer Revolving Shaft Tube), 179 W. Washington, Chicago, Ill.
Dee William V. Co., 729 Union av, Bridgeport, Conn.
Devlin Thos. Mfg. Co. (Self-Locking for Factories, Buildings, etc), 3d & Lehigh av, Phila., Pa.
Drouve G. Co. ("Straight Push", "Lovelle"), 40 Tulip, Bridgeport, Conn.
Evans John A. Co. ("Evans Challenge" for Greenhouses, Roller Bearing), Richmond, Ind.
Fenn Ventilator Co. ("Fenn" Rotary), 94 Blackstone, Boston, Mass.
General Sheet Metal Wks. ("Cibulas" Direct Push), 120 Silliman av, Bridgeport, Conn.
Gilbert Walter B. & Co. (Also for Factories, Offices, Garages, etc.), York, Pa.
Glass Window Ventilator Works, 231 N Wells, Chicago, Ill.
Hersh Bros. Co., 645H Mill, Allentown, Pa.
Hirshman W. F., Inc., 197 Woodward, Buffalo, N. Y.
Hitchings & Co., Dept H, Spring, Elizabeth, N. J.
Howard & Morse, 45 Fulton, New York
Ilg Electric Ventilating Co., Inc., 2850 N. Crawford av, Chicago, Ill.
Kries Henry A. & Sons Co., 8 W Lombard, Baltimore, Md.
Lord & Burnham Co., 30 E 42d, New York
Luptons David Sons Co., Allegheny av & Tulip, Philadelphia, Pa.
See adv at Shelving Steel
Ormsby E. A. & Sons, Melrose Sta., Boston, Mass.
Payson Mfg. Co. ("Harris"), 2918 W Jackson blvd, Chicago, Ill.
Philipp-Kell Co., Inc., Holliday & Centre, Baltimore, Md.
Prentice L. H. Co., 330 Sherman, Chicago, Ill.
Rasner & Dinger Co., 850 W North av, Pittsburgh, Pa.
Richmond Safety Gate Co., Richmond, Ind.
Smith Systems Heating Co. (School Ventilating & Heating), 212 S E Ontario, Minneapolis, Minn.
Staar & Sons Inc., 1473H N Halstead, Chicago, Ill.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Thorn J. S. Co. ("Brand"), 20th & Allegheny av, Phila., Pa.
Uno Ventilator Co. ("Uno" Revolving), Cliftondale, Mass.
Waterloo Mfg. Co., Waterloo, Ia.
Western Ventilator Co., 110 College, Los Angeles, Cal.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book
Wheeling Metal & Mfg. Co., Wheeling, W. Va.

Ventilating Apparatus (Mechanical)

See Fans, Exhaust or Ventilating; also **Blower Manufacturers**

16477—Ventilating Apparatus (Ship)

Barney Ventilating Fan Works (A. B. Franklin, Prop.), 25 Haverhill, Boston, Mass.
Bethlehem Shipbuilding Corporation Ltd., Bethlehem, Pa.
Howard & Morse ("Blackman" & "Duplex Cone"), 45 Fulton, New York
Hudson Mfg. Co., 324 3d av N, Minneapolis, Minn.
Staar & Sons Inc., 1473H N Halstead, Chicago, Ill.
Sturtevant B. F. Co., ("Sturtevant"), 15H Damon, Hyde Park, Mass.

16477a—*Ventilating Cabinets

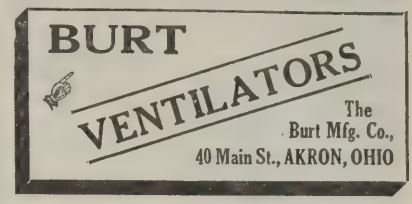
Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
Pemberton Heating & Ventilating Co., 901 N Alameda, Los Angeles, Cal.

16477b—Ventilating Systems

Am. Blower Co., 6004 Russel, Detroit, Mich.
Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
BUCKEYE BLOWER CO. (Unit), 425 W Town, Columbus, O.
See adv index at end of book
General Sheet Metal Wks. ("Storm Proof"), 120 Silliman av, Bridgeport, Conn.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
Nelson Herman Corp. (Univent"), Moline, Ill.
Nesbitt John J. ("Universal Unit"), Atlantic City, N. J.
Peerless Unit Ventilating Co. ("Peerless Univent"), Skillman av, New York

16478— Ventilator Mfrs.

Acme Ventilator Corp. ("Acme"), 399 Atlantic av, Boston, Mass.
Allen Engineering & Mfg. Co., Savannah, Ga.
Am. Blower Co. ("Sirocco"), 6004 Russell, Detroit, Mich.
Am. 3-Way Prism Co. (Pivoted Transom), Cicero, Ill.
Anderson Mfg. Co. ("Tip Top"), Des Moines, Ia.
Astle H. J. & Co. ("Boland" Revolving), 118 Orange, Providence, R. I.
Auer Register Co., 3608H Payne av, Cleveland, O.
Autoforce Ventilating System ("Autoforce"), 53 Devonshire, Boston, Mass.
Automatic Ventilator Co. ("Automatic" Make Your Room Breathe"), 1003H Park av, Baltimore, Md.
Backman Sheet Metal Works, Des Moines, Iowa
Badger Steel Roofing & Corrugating Co. (Glass Top), La Crosse, Wis.
BAKER EDW. J. & CO., 608 Otis bldg, Chicago, Ill.
Basman A. M. & Co., 1644-46 Fort W, Detroit, Mich.
Berger Bros. Co. ("Perfection" "Earle's" Revolving "Hercules"), 229 Arch, Phila., Pa.
Bethlehem Shipbuilding Corporation Itd., Bethlehem, Pa.
Bostwick C. G., 236 N Oxford, Hartford, Conn.
Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, O.
See adv index at end of book
BUCKEYE BLOWER CO. (Also Unit), 425 W. Town, Columbus, Ohio
See adv index at end of book
Buffalo Forge Co. ("Buffalo"), 490 Broadway, Buffalo, N. Y.
Burt Mfg. Co. The ("Burt") 40 Main, Akron, Ohio. *See adv index at end of book*

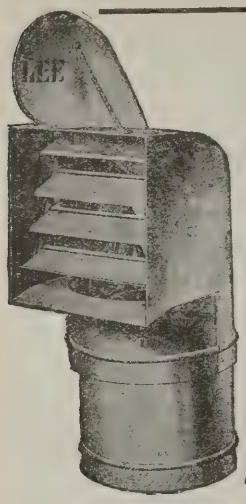


Burton W. J. Co., 5650H Federal, Detroit, Mich.
Butler Mfg. Co., 906 6th av, S E, Minneapolis, Minn.
Cambridge Roofing Co. (Eureka), Cambridge, O.
Canton Art Metal Co., Canton, O.
Cedar Rapids Cornice Co., Cedar Rapids, Ia.
Chattanooga Roofing & Foundry Co., Chattanooga, Tenn.
Chicago Railway Signal & Supply Co., 122H S Michigan av, Chicago, Ill.
Consolidated Sheet Metal Works, 661 Hubbard, Milwaukee, Wis.
Covert H. W. Co. (Kitchen), 137 E 46th, New York
Crook H. E. Co., Inc. (Copper & Galv Iron), 28 Light, Baltimore, Md.
Cushing D. & Co, Lowell, Mass.
Danzer Metal Works ("Danzer's" Rose Top), Hagerstown, Md.
Decatur Cornice & Roofing Co. ("Alabama" Corrugated Rim), New Decatur, Ala.
Dee William V. Co., 729 Union av, Bridgeport, Conn.
Dickinson Paul ("Dickinson" Cast Iron, for Round-Houses, Depots, Shops, etc). 3346 S. Artesian av, Chicago, Ill.
Dowman-Dozier Mfg. Co. ("Dixie"), Atlanta, Ga.
Drouve G. Co. ("Drouve"), 40 Tulip, Bridgeport, Conn., & 180 N Dearborn, Chicago, Ill.
Dryer Metal Products Co., 56th & Butler, Pittsburgh, Pa.

EDWARDS MFG. CO. (Building & Skylight), 545-565 Eggleston av, Cincinnati, O. *See adv index at end of book*

Eller Mfg. Co. ("Konical"), 1200 Camden av, S W, Canton, O.
Fenn Ventilator Co. ("Fenn's" Rotary), 94 Blackstone, Boston, Mass.
Fisher Martin & Sons ("Fisher," Automatic), 438 Pearl, Buffalo, N. Y.
Follansbee Bros. Co. ("Keystone"), 3rd & Liberty, Pittsburgh.
Fouts C. C. Co. (Glass Top), 650 Woodlawn av, Middletown, O.
Friedley-Voshardt Co. (Inc.) ("Crescent"), 733 S Halsted, Chicago, Ill.
Galesburg Sheet Metal Works ("Gale" Barn & Granary), Galesburg, Ill.
Gara-McGinley Co., 218 N 13th, Phila., Pa.
General Sheet Metal Wks., 120 Silliman av, Bridgeport, Conn.
Gerdes T. R. N., 105 Bank, New York
Gerken J. D. & Co. ("Perfect" Positive Automatic), Toledo, Ohio
Gilbert Walter B. & Co. ("Pullman"), York, Pa.
Glass Window Ventilator Works, 231 N Wells, Chicago, Ill.
Globe Iron Roofing & Corrugating Co., Dept. H, Newport, Ky.
Globe Ventilator Co. ("Globe," for Cars Buildings, Factories, Power Houses, Boats, etc), Troy, N. Y.
Goethel Alfred C., The (Not Inc.) (Ventilating Systems), 301-303 Fourth, Milwaukee, Wis.
Grand Sheet Metal Works, 4 E. 3rd N., Portland, Ore.
Grissel J. P. Cornice Co., Cedar Rapids, Ia.
Hart & Cooley Co., Inc. (Grille Intake), Corbin av & W. Main, New Britain, Conn.
Hersh Bros. Co. ("Lehigh"), 645H Mill, Allentown, Pa.
Hewitt Thos. J. (Rotary Screw), 57 Ann, New York
Highton Wm. & Sons Co., Nashua, N. H.
Hirshman W. F. Inc., 197 Woodward, Buffalo, N. Y.
Holzer R. G. (Est. of), 317 Burgundy, New Orleans, La.
Ilg Electric Ventilating Co., 2850 N. Crawford av, Chicago, Ill.
Illinois Art Metal Co. ("Sifon"), Springfield, Ill.
Independent Register & Mfg. Co., 713 Frankfort, Cleveland, O.
Iona Ventilator Co. ("Iona"), 2819 Dauphin, Phila, Pa.
Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cincinnati, O.
Janney & Co., Montgomery, Ala.
Jordon Paul R. & Co. ("Aeroplane" Rotary, "Aeroboost" Siphon, "Aeropull" Storm Band), 28 S Meridian, Indianapolis, Ind.
Kalamazoo Sheet Metal Mfg. Co., Kalamazoo, Mich.
Kernchen Company ("Kernchen Siphonage"), 111 W Washington, Chicago, Ill.
King Ventilating Co., Owatonna, Minn.
Klauer Mfg. Co., Dubuque, Ia.

(Continued on following page)



VENTILATORS

Stationary & Rotary Ball Bearing

Also Manufacturers of

Labeled Approved
Metal Clad Wood Panel Doors
Hollow Metal Windows
Metal Door Frames
Tin Clad Fire Doors
Fire Door Hardware



THOMAS LEE & SON CO.

128-32 W. Second St. Cincinnati, Ohio

Ventilator Mfrs.—Continued

Knowles Mushroom Ventilator Co. (Notch Mushroom"), 202-204 Franklin, New York
Korell J. A. & Co., (Suction), 39 Isis, San Francisco, Cal.,
Larson Bros. ("Larson" Suction), Johnsonburg, Pa.
Laughlin Thos. Co. (Refrigerator), 135 Fore, Portland, Me.
See adv index at end of book
LEE THOMAS & SON CO. ("Lee's Improved Revolving), 128-132 W. 2nd, Cincinnati, Ohio
See adv index at end of book
Mack W. A. & Co., Lowell, Mass.
Martin Metal Mfg. Co., Wichita, Kans.
MERCHANT & EVANS CO. ("Star"), Washington av & 21st, Phila., Pa.
Mertz John Mfg. Co., Sandusky, O.
Messenger & Parks Mfg. Co. ("Acorn"), Aurora, Ill.
Metallic Mfg. Co. (Metallic), Camden, N. J.
Meurer Geo. C. Co. ("Anchor"), 22 Clay, Brooklyn, N. Y.
Milwaukee Corrugating Co. ("Milwaukee", "NuAir," Stationary; "Alpina," Siphon Revolving & "Milcor"), 35th & Burnham, Milwaukee, Wis.
Mobile Steel Co. ("M. S. Co."), Mobile, Ala.
Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, Ohio
See adv index at end of book
Mudge & Co. ("Mudge-Peerless" for R. R. Passenger Cars), Railway Exchange bldg, Chicago, Ill.
National Metallic Sash Co., 406 N Leavitt, Chicago, Ill.
National Skylight & Ventilator Co. ("National" Revolving), Rochester, N. Y.
Nelson H. W. ("Univent"), Moline, Ill.
New England Steel Roofing Co., 274 Main, Worcester, Mass.
New England Ventilating & Heating Co. ("Richardson" Revolving), 926 Manton av, Providence, R. I.
New Orleans Roofing & Metal Co. ("Nola") Cortez & Orleans, New Orleans, La.
Northfield Iron Co. (Cupola), Northfield, Minn.
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Pemberton Heating & Ventilating Co., 901 W Alameda, Los Angeles, Cal.
Petry N. A. Co. Inc. (Cowl), 328-34 N Randolph, Phila., Pa.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Pittsburgh Gage & Supply Co. ("Gaco" Roof), 30th & Liberty av, Pittsburgh, Pa.
Porter Iron Roofing & Corrugating Co. (Building & Skylight), 522 Culvert, Cincinnati, O.
Powers & Boyd Cornice & Roofing Co., 3614 Laclede, St. Louis, Mo.
Protective Ventilator & Screen Corp., 512 W 53rd, New York
Reeves Mfg. Co., Dover, O.
Riter Bros. & Co. ("Earle's"), 1022 Race, Phila., Pa.
Robinson Ventilating Co., Jenkins Arcade, Pittsburgh, Pa.
Royal Ventilator Co. ("Royal"), 415 Locust, Phila., Pa.
St. John & Barquist Co., Des Moines, Ia.
St. Paul Roofing, Cornice & Ornament Co. "St. Paul"), St. Paul, Minn.
Sanitary Appliance Co. (Water Closet), Neenah, Wis.
Schoedinger F. O., 346 Mt. Vernon av, Columbus, O.
Scott Roofing & Mfg. Co. (Building & Skylight), 408 Culvert, Cincinnati, O.
Sheet Metal Mfg. Co., 949 Myrtle av, Brooklyn, N. Y.
Skinner Thomas Co., 97 Center, Portland, Me.
Souther E. E. Iron Co. ("Columbia"), **Klenlin & Hamburger, St. Louis, Mo.**
Staar & Sons Inc. ("Standard" Rotary), 1473H N Halstead, Chicago, Ill.
Standard Sheet Metal Works, Washington, Pa.
Standard Ventilator Co. ("Standard" Portable Ventilator & Chimney Cap), Lewisburg, Pa.
Sterling Blower Co. ("Sterling"), Hartford, Conn.
Sturtevant B. F. Co. ("Sturtevant" "Auto Force"), 15H Damon, Hyde Park, Mass.
Swartwout Co. ("Swartwout" Rotary Ball Bearing), 18515 Euclid av, Cleveland, Ohio
Sykes Co., 2300 W 58th, Chicago, Ill.
Thompson J. D. Co. (Heating & Ventilating Ducts), 2609 Penna av, N W Wash, D. C.
Tuttle & Bailey Mfg. Co., 2 W 45th, New York
United States Metal Products Co. ("American Larson), 330H 10th, San Francisco, Cal.
Uno Ventilator Co. ("Uno" Revolving made in Brass, Copper or Galvanized Iron Painted), Cliftondale, Mass.
Wagner J. F. Sons Co., 1145 S 7th, Louisville, Ky.
Walton Mfg. Co., 2610 Walton av, Cleveland, O.
Ward Fred J., 1309 W Broadway, Long Beach, Cal.
Washburne Edw. G. & Co. (Rotary Screw), 207 Fulton, New York
Waterloo Mfg. Co., Waterloo, Ia.
Watson James H. Co., Bradley, Ill.
Weimer C. A. ("Imperial"), Lorain, O.
Western Brass Mfg. Wks., Marshall blvd & 21st, Chicago, Ill.
Western Ventilator Co., 110 College, Los Angeles, Cal.
Wheeling Metal & Mfg. Co., Wheeling, W. Va.
Wilcox Engineering Co., 1525 Holland av, Saginaw, Mich.
Willis Mfg. Co. ("Willis"), Galesburg, Ill.
Wilson Andrew Co., 616 Essex, Lawrence, Mass.
Wooden Ventilator Co. (Wooden Ventilator Faces), East Palestine, O.
York Heating & Ventilating Corp., Mill, Bridgeport, Pa.

16479-80—Ventilator & Skylight Combined

Acme Ventilator Corp. ("Acme"), 399 Atlantic av, Boston, Mass.
Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, O.
See adv index at end of book
BURT MFG. CO., 40 Main, Akron, Ohio
See adv index at end of book
Cedar Rapids Cornice Co., Cedar Rapids, Ia.
Dee William V. Co., 729 Union av, Bridgeport, Conn.
Dowman-Dozier Mfg. Co., Atlanta, Ga.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
Eller Mfg. Co., 1200 Camden av, S W, Canton, O.
General Sheet Metal Wks. 120 Silliman av, Bridgeport, Conn.
Globe Ventilator Co. ("Globe," for Cars, Buildings, Factories, Power Houses, Boats, etc), Troy, N. Y.
Goethel Alfred C. Co., The (Not Inc.), 301-303 4th, Milwaukee, Wis.
Hirshman W. F. Inc. ("Effice"), 197 Woodward, Buffalo, N. Y.
Martin Metal Mfg. Co., Wichita, Kan.
Mertz John Mfg. Co., Sandusky, O.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Royal Ventilator Co. ("Royal"), 415 Locust, Phila., Pa.
Staar & Sons Inc., 1473H N Halstead, Chicago, Ill.
Superior Cornice & Skylight Co. ("Superior" Automatic & Skylight), 95 Webster av, New York
Waterloo Mfg. Co., Waterloo, Ia.
Weis Henry Cornice Co., Kansas City, Mo.
Wheeling Metal & Mfg. Co., Wheeling, W. Va.
Willis Mfg. Co. ("Willis"), Galesburg, Ill.
Wilson Andrew Co., 616 Essex, Lawrence, Mass.

16481— Ventilators (Barn)

Acme Ventilator Corp. ("Acme"), 399 Atlantic av, Boston, Mass.
Badger Steel Roofing & Corrugating Co., 214 S 2d, La Crosse, Wis.
BAKER EDW. J. & CO., 608 Otis bldg, Chicago, Ill.
Clarke J. Q. Tank Co., Crawfordsville, Ind.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
Fenn Ventilator Co. ("Fenn" Rotary), 94 Blackstone, Boston, Mass.
Gilbert Walter B. & Co., York, Pa.
General Sheet Metal Wks, 120 Silliman av, Bridgeport, Conn.
Grissel J. P. Cornice Co., Cedar Rapids, Iowa
Ilg Electric Ventilating Co., 2850 N. Crawford av, Chicago, Ill.
La Crosse Steel Roofing & Corrugating Co., La Crosse, Wis.
Libbey C. A. Co., Marion & Jay, Oshkosh, Wis.
Messenger & Parks Mfg. Co., Aurora, Ill.
Milwaukee Corrugating Co. ("Milcor"), 35th & Burnham, Milwaukee, Wis.
Northfield Furnace Co., Northfield, Minn.
Puget Sound Sheet Metal Works, 3631 E. Marginal Way, Seattle, Wash.
Royal Ventilator Co. ("Royal"), 415 Locust, Phila., Pa.
Schoedinger F. O., 346 Mt. Vernon av, Columbus, O.
Sturtevant B. F. Co. ("Sturtevant"), 15H Damon, Hyde Park, Mass.
Uno Ventilator Co. ("Uno" Revolving), Cliftondale, Mass.
Waterloo Mfg. Co., Waterloo, Ia.
Western Steel Products Co., New Duluth, Minn.
Willis Mfg. Co. ("Willis"), Galesburg, Ill.

16482—Ventilators (Brick Wall)

Acme Ventilator Corp. ("Acme"), 399 Atlantic av, Boston, Mass.
American Scale Co., 517 Delaware, Kansas City, Mo.
Automatic Ventilator ("Automatic," Make Your Room Breathe"), 1003H Park av, Baltimore, Md.
Baker Edw. Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
Decatur Cornice & Roofing Co., New Decatur, Ala.
Highton Wm. & Sons Co., Nashua, N. H
Ilg Electric Ventilating Co., 2850 N. Crawford av, Chicago, Ill.
Pullman Ventilator & Mfg. Co., York, Pa.

16482a—Ventilators (Building)

Allen Air-Turbine Ventilator Co., 1338 8th, Detroit, Mich.
Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.

16482b—*Ventilators (Cap, Hat & Mattress)

Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book

16483— Ventilators (Car)

Acme Ventilator Corp. ("Acme"), 399 Atlantic av, Boston, Mass
Automatic Ventilator Co. ("Automatic," "Make Your Room Breathe"), 1003H Park av, Baltimore, Md.

Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
Brill J. G. Co. ("Exhaust") 62nd & Woodland av, Phila., Pa.
Dowman-Dozier Mfg. Co., Atlanta, Ga.
Fischer Wm. G. Stove & Range Co., 326 McFarland, Cincinnati, O.
Globe Ventilator Co. ("Globe," for Cars, Buildings, Factories, Power Houses, Boats, etc), Troy, N. Y.
Gold Car Heating & Lighting Co. ("Gold's Cyclone" for Passenger & Refrigerator Cars), 17 Battery pl, New York
Hageman Castle Corp. ("Garland") 80 E Jackson, Chicago, Ill.
Holden & White ("Garland"), 80 E Jackson, Chicago, Ill.
Ilg Electric Ventilating Co., 2850 N. Crawford av, Chicago, Ill.
Messenger & Parks Mfg. Co., Aurora, Ill.
Perry Ventilator Corp., (For Passenger Cars & Bus Bodies), 200 Devonshire, Boston, Mass.
Pullman Ventilator & Mfg. Co. (Electric & Steam Railway & Refrigerator & Fruit Cars), York, Pa.
Railway Utility Co. ("Utility"), 721 Fulton, Chicago, Ill.
St. Louis Car Co., 8000 N Broadway, St. Louis, Mo.
Vacuum Car Ventilating Co. ("Cooks" System), 111 S. Jefferson, Chicago, Ill.
WINE RAILWAY APPLIANCE CO. THE, (Freight Car), Toledo, Ohio.

16484— Ventilators (Closet)

Acme Ventilator Corp. ("Acme"), 399 Atlantic av, Boston, Mass.
American Blower Co., 6004 Russell, Detroit, Mich.
Automatic Ventilator Co. ("Automatic," "Make Your Room Breathe"), 1003H Park av, Baltimore, Md.
Gilbert Walter B & Co., York, Pa.
Ilg Electric Ventilating Co., 2850 N. Crawford av, Chicago, Ill.
Shadall Mfg. Co., Wauwatosa, Wis.
Staar & Sons, Inc., 1473H N Halsted, Chicago, Ill.

16485—Ventilators (Cupola)

Acme Ventilator Corp. ("Acme"), 399 Atlantic av, Boston, Mass.
BAKER EDW. J. & CO., 608 Otis bldg, Chicago, Ill.
Grissel J. P. Cornice Co., Cedar Rapids, Iowa.
Gilbert Walter B & Co., York, Pa.
Hersh Bros. Co., 645 H Mill, Allentown, Pa.
Libby C. A. Co., Oshkosh, Wis.
Messenger & Parks Mfg. Co. ("Aurora" for Theatres & Public Structures, etc), Aurora, Ill.
Milwaukee Corrugating Co., Milwaukee, Wis
Staar Sons Inc., 1473H N Halsted, Chicago, Ill.

16485a—Ventilators (Electric Exhaust & Intake)

Baker Edw. J. & Co., 608 Otis bldg, Chicago
Gilbert Walter B. & Co., York, Pa.
Ilg Electric Ventilating Co., 2850 N Crawford av, Chicago, Ill.
National Blow Pipe & Mfg. Co., 738 Dryades, New Orleans, La.

16485b—*Ventilators (Garage)

BAKER EDW. J. & CO., 608 Otis bldg, Chicago, Ill.

16485c—Ventilators (Kitchen)

Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.

16486— Ventilators (Mine)

(Names with * also manufacture Monel Metal)

Acme Ventilator Corp. ("Acme"), 399 Atlantic av, Boston, Mass.
American Blower Co. ("Sirocco"), 6004 Russell, Detroit, Mich.
Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
BUCKEYE BLOWER CO., 425 W Town, Columbus, Ohio
See adv index at end of book
*City Cornice Works, 3119 San Pablo av, Oakland, Cal.
*Davis Bros., 311 E 148th, New York
*Edwards Mfg. Co., Cincinnati, O.
*Farquhar & Sons, Boston, Mass.
*Ferguson Co., John W., Paterson, N. J.
*Hauserman E. F., Cleveland, O.
Hersh Bros. Co., 645 H Mill, Allentown, Pa.
Ilg Electric Ventilating Co., 2850 N Crawford av, Chicago, Ill.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Irwin Sheet Metal Co., Pittsburgh, Pa.
Jeffrey Mfg. Co., 961 N Fourth, Columbus, Ohio
See adv index at end of book
*Larson J. G., Clifton, N. J.
*Meyer & Son, Geo. J., 3223 Kennett sq, Pittsburgh, Pa.
*Minnesota Roofing & Cornice Works, St. Paul, Minn.
*National Ventilating Co., 75 10th av, Brooklyn, N. Y.
*Obelisk Waterproofing Co., 1 Madison av, New York
Puget Sound Sheet Metal Works, 3631 E Marginal way, Seattle, Wash.
*Rasner & Dinger Co., W North av, N S, Pittsburgh, Pa.
*Riddell & Son, Ltd., John E., Hamilton, Can.
*Saron J., 1655 42nd, Brooklyn, N. Y.
*Schoedinger F. O., Columbus, O.
Schutte & Koerting Co. ("Koerting"), 1251 N 12th, Phila., Pa.
See adv index at end of book
*Sholes, Inc., 186 Lafayette, New York
*Si Fo Ventilator Co., Cleveland, O.
*Smith & Burrows Co., Parkersburg, W. Va.
Staar Sons Inc., 1473H N Halsted, Chicago, Ill.
Sturtevant B. F. Co. ("Sturtevant"), 15H Damon, Hyde Park, Mass.
*Van Noorden & Co., E., Boston, Mass.

16486a— Ventilators (Roof)

(Names with * also manufacture Monel Metal)

Automatic Ventilator Co. ("Automatic" "Make Your Room Breathe"), 1003H Park av, Baltimore, Md.
BAKER EDW. J. & CO., 608 Otis bldg, Chicago, Ill.
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Buckeye Blower Co., 425 W Town, Columbus, Ohio *See adv index at end of book*
*City Cornice Works, 3119 San Pablo av, Oakland, Cal.
Dee, William V. Co., 729 Union av, Bridgeport, Conn.
*Davis Bros., 311 E 148th, New York
*Edwards Mfg. Co., Cincinnati, O.
*Farquhar & Sons, Boston, Mass.
*Ferguson Co., John W., Paterson, N. J.
Gilbert Walter B. & Co., York, Pa.
*Hauserman, E. F., Cleveland, O.
Hersh Bros. Co., 645 H Mill, Allentown, Pa.
Hirshman W. F. Inc., 197 Woodward, Buffalo, N. Y.
Holzer R. G. (Estate of), 317 Burgundy, New Orleans, La.
Ilg Electric Ventilating Co., 2850 N Crawford av, Chicago, Ill.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
International Steel & Iron Co., 1243 Edgar, Evansville, Ind.
*Irwin Sheet Metal Co., Pittsburgh, Pa.
Korell J. A. & Co. (Suction), 39 Isis, San Francisco, Cal.
*Larson, J. G., Clifton, N. J.
LEE THOMAS & SON CO., 128-132 W 2nd, Cincinnati, Ohio
See adv index at end of book
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
Messenger & Parks Mfg. Co., Aurora, Ill.
*Meyer & Son, Geo. J., 3223 Kennett sq, Pittsburgh, Pa.
*Minnesota Roofing & Cornice Works, St. Paul, Minn.
Moeschl-Edwards Corrugating Co., Box 564, Cincinnati, Ohio
See adv index at end of book
*National Ventilating Co., 75 10th av, Brooklyn, N. Y.
*Obelisk Waterproofing Co., 1 Madison av, New York
*Rasner & Dinger Co., W North av, N S, Pittsburgh, Pa.
*Riddell & Son, Ltd., John E., Hamilton, Canada
Royal Ventilator Co. ("Royal") 418H Locust, Phila., Pa.
*Saron J., 1655 42nd, Brooklyn, N. Y.
*Schoedinger F. O., Columbus, O.
*Sholes, Inc., 186 Lafayette, New York
*Si Fo Ventilator Co., Cleveland, O.
*Smith & Burrows Co., Parkersburg, W. Va.
Staar Sons Inc., 1473H N Halsted, Chicago, Ill.
Sturtevant B. F. Co. ("Sturtevant"), 15H Damon, Hyde Park, Mass.
United States Metal Products Co., 330H 10th, San Francisco, Cal.
York Heating & Ventilating Corp., Mill, Bridgeport, Pa.
*Van Noorden & Co., E., Boston, Mass.

16487—Ventilators (Sash Lift)

Gilbert Walter B. & Co., York, Pa.
Messenger & Parks Mfg. Co., Aurora, Ill.
Puget Sound Sheet Metal Works, 3631 E Marginal way, Seattle, Wash.

16488— Ventilators (Ship)

American Blower Co. ("Sirocco"), 6004 Russell, Detroit, Mich.
Bishop's Wm. Sons, 18 James, New York
Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Fenn Ventilator Co. ("Fenn" Rotary), 84 Blackstone, Boston, Mass.
General Sheet Metal Wks., 120 Silliman av, Bridgeport, Conn.
Gilbert Walter B. & Co., York, Pa.
Globe Ventilator Co. ("Globe," for Cars, Buildings, Factories, Power Houses, Boats, etc), Troy, N. Y.
Mobile Steel Co. ("M. S. Co."), Mobile, Ala.
Puget Sound Sheet Metal Works, 3631 E Marginal way, Seattle, Wash.
Pusey & Jones Co., Poplar & Front, Wilmington, Del.
Sands Alfred B. & Son Co., 20 Vesey, New York
Staar Sons Inc., 1473H N Halsted, Chicago, Ill.
Sturtevant B. F. Co. ("Sturtevant"), 15H Damon, Hyde Park, Mass.
Thacher Propeller & Foundry Corp., Albany, N. Y.
Young Bros. Co., 666 Mack, Detroit, Mich.

16489—Ventilators (Sidewalk)

Am. 3-Way Prism Co., Cicero, Ill.
Canton Foundry & Machine Co., Canton, Ohio *See adv index at end of book*
Columbia Iron & Wire Works Co., 1006 9th, S W, Canton, Ohio
Jackson, P. H. & Co., 237 1st, San Francisco, Cal.

16489a—Ventilators (Skylight)

BAKER EDW. J. & CO., 608 Otis bldg, Chicago, Ill.

16490—Ventilators (Stained Glass Window)

Deissler P. & Bro. ("Deissler" Pivoted), 1741 N 6th, Phila., Pa.

16491—Ventilators (Stove Pipe)

Acme Ventilator Corp. ("Acme"), 399 Atlantic av, Boston, Mass.
Badger Steel Roofing & Corrugating Co., La Crosse, Wis.
Brodin Pattern & Supply Works, 2420 W 16th, Chicago, Ill.
Messenger & Parks Mfg. Co., Aurora, Ill.

16492—Ventilators (Water Closet)

Acme Ventilator Corp. ("Acme"), 399 Atlantic av, Boston, Mass.
American Blower Co. ("Sirocco"), 6004 Russell, Detroit, Mich.
Ebinger D. A. Sanitary Mfg. Co., 181 Lucas, Columbus, O.
Gilbert Walter B. & Co., York, Pa.
Hersh Bros. Co., 645 H Mill, Allentown, Pa.
Sanitary Appliance Co. ("Cyclone"), Neenah, Wis.
Staar Sons Inc., 1473H N Halsted, Chicago, Ill.
Uno Ventilator Co. ("Uno" Revolving), Cliftondale, Mass.

16493—Ventilators (Window)

Aeroshade Co. (Splint Fabric), Waukesha, Wis.
Alexander Window Ventilator Mfg. Co. Spartanburg, S. C.
American Blower Co. ("Sirocco"), 6004 Russell, Detroit, Mich.
Am. Screen Mfg. Co., 1810 Lydia av, Kansas City, Mo.
Automatic Ventilator Co. ("Automatic" "Make Your Room Breathe"), 1003 Park av, Baltimore, Md.
Autovent Fan & Blower Co. ("Autovent"), 736 W Monroe, Chicago, Ill.
Bohem Mfg. Co. (Adjustable Pressed Steel, 18th & Wabash, Phila, Pa.
Continental Co., Book bldg, Detroit, Mich
Everhard Mfg. Co. ("Diamond E"), 317 Schroyer av, S W, Canton, Ohio
Gerdes, T. R. N. (Electric & Pullman), 105 Bank, New York
Gilbert Walter B. & Co. (For Either Top or Bottom), York, Pa.
Glass Window Ventilator Wks. ("Common Sense"), 231 N Wells, Chicago, Ill.
Higgin Mfg. Co., Newport, Ky.
Ideal Ventilator Co. ("Ideal"), 99 Stewart, Providence, R. I.
Ilg Electric Ventilating Co., 2850 N Crawford av, Chicago, Ill.
Kunkel Stamping & Mfg. Co., 427 E Washington, Los Angeles, Cal.
Lawrence Bros. (Steel), Sterling, Ill.
Lawson F. H. Co.("Lawco"), Cincinnati, O.
Manhattan Perfected Ventilators Co., 11 Baxter, New York
Messenger & Parks Mfg. Co., Aurora, Ill.
Morse L. & Sons ("Morse" Adjustable), Athol, Mass.
Protective Ventilator & Screen Corp. (Revolving etc), 512 W 53rd, New York
Roebuck Weather Strip & Wire Screen Co., 2406 Flatbush av, Brooklyn, N. Y.
Tuttle & Bailey Mfg. Co., 2 W 45th, New York

16493a— Vents (Air)

Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.

16494— Vents (Core)

United Compound Co. ("Buffalo" Vent Wax), 228 Elk, Buffalo, N. Y.

16494a— Vents (Roof)

Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.

16495— Vents (Trap)

Dubois F. N. & Co. ("McClellan"), 247 9th av, New York

16496— Veratrine

Hoffmann-La Roche Chemical Works, 19 Cliff, New York
Mallinckrodt Chemical Works (Alkoloid), 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

16497— Verdigris

Bird J. A. & W. & Co. (Imp. Pure Powdered French), 348 Concord sq, Boston, Mass.
Fergusson, Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*

16498— Vermilion

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Moser Chas. Co., Cincinnati, O.

16498a—Vessels (Decomposing)

Bethlehem Foundry & Machine Co., Bethlehem, Pa.
Devine J. P. Co., Buffalo, N. Y.
Lehigh Foundry Co., Fullerton, Pa

16499— Vestibules (Car)

Brill J. G. Co., 62d & Woodland av, Phila., Pa.
Gould Coupler Co., 30 E 42d, New York
McConway & Torley Co., 48th & A. V. R. R., Pittsburgh, Pa.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.

16500— Vials (Glass)

Bobe P. Glass Wks. (Shell Tablet or Pill), 2711 Lemp av, St. Louis, Mo.
Doerr Glass Co. (Finished), Vineland, N. J.
Freas Francis L., Conshohocken, Pa.
Kimble Glass Co., 402 W. Randolph, Chicago, Ill.
Ruth Glass Co., Conshohocken, Pa.
Vineland Scientific Glass Co. (Finished), Vineland, N. J.

16501— Vials (Homeopathic)

Calta Glass Works, 460 E Ohio, Chicago, Ill.
Doer Glass Co. (Finished), Vineland, N. J.
Freas Francis L., Conshohocken, Pa.
Illinois Glass Co., Alton, Ill.
Kimble Glass Co., 402 W. Randolph, Chicago, Ill.
Paca Glass Co., 225 N Frederick, Baltimore, Md.
Vineland Scientific Glass Co. (Finished), Vineland, N. J.

16501a— Vials (Wooden)

BOGERT & HOPPER, INC., 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Stiles, H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book

16502—Vibrators (Foundry)

Arcade Mfg. Co., Freeport, Ill.
Berkshire Mfg. Co. ("Berkshire"), Whitney Power blk, Cleveland, O.
Buckeye Products Co., Inc. ("Buckeye"), 915-917 W 5th, Cincinnati, Ohio
See adv index at end of book
Campbell-Hausfeld Co., Harrison, Ohio
Great Western Mfg. Co., Leavenworth, Kan.
Johnston & Jennings Co., Addison rd & N Y C R R, Cleveland, Ohio
Malleable Iron Fittings Co., Branford, Conn.
Manitowoc Electric Implement Co., Manitowoc, Wis.
Paxson J. W. Co., Dept. H, Nicetown Lane & D, Phila., Pa.
Pressed Steel Co. ("L. & A."), Muskegon, Mich.
Stoney Foundry Engineering & Equipment Co., 6600 Hubbard av, Cleveland, O.
Tessmer Mach & Tool Co., 1425 Rivard, Detroit, Mich.
Woodison E. J. Co., 1621 St. Aubin, Detroit, Mich.

16503—Vibrators (Massage)

Adbro Mfg. Co. ("La Vida" Electric), Phipps Power bldg, Pittsburgh, Pa.
Allison W. D. Co. ("Bihlmair"), 907 N Alabama, Indianapolis, Ind.
Arnold Electric Co. ("Arnold" Electric), Racine, Wis.
Barker James ("Barker"), 6th & Cayuga, Phila., Pa.
Betz Frank S. Co., Hammond, Ind.
Chicago Motor & Vibrator Co., 163 N Wabash, Chicago, Ill.
Drake Elec. Works, 3943 Lincoln av, Chicago, Ill.
Eureka Vibrator Co. ("Vibro-Life" Hand Power), 111 W 42nd, New York
Fisher Adam Mfg. Co. ("Magic" Vacuum), 3624 Enright, St. Louis, Mo.
Fitzgerald Mfg. Co. ("Star" Electric Motor Driven), Torrington, Conn.
Geier P. A. Co. ("Rex," Electric), Cleveland, O.
Globe Manufacturing Co. (Compressed Air, etc), Battle Creek, Mich.
Haas R. Electric & Mfg. Co. ("Ideal"), Springfield, Ill.
Hamilton-Beach Mfg. Co. ("Hamilton-Beach"), Racine, Wis.
Horn Electric Co., 115 N Desplaines, Chicago, Ill.
Hughes J. W. Co., 110 E 23d, New York
Kny-Scheerer Co. (Physicians), 119 7th av, New York
McIntosh Battery & Optical Co., 217 N. Desplaines, Chicago, Ill.
Manhattan Electrical Supply Co. ("Premier" Battery Type), 17 Park pl, New York
Marshall Vibrator Co., 141 W 36th, New York
Meyer Wm. Co., 1644 Girard, Chicago, Ill.
National Electrical Mfg Co., 30 Church, New York
National Stamping & Electric Wks. (White-Cross Div.), 3212 W Lake, Chicago, Ill.
New Britain Tool & Mfg. Co. ("Red Devil"), New Britain, Conn.
Presto Elec. Co., Inc. ("Presto" Electric), 703 Market, San Francisco, Cal.
Racine Universal Motor Co. ("Universal"), 4642 Ravenswood, Chicago, Ill.
Russell Electric Co. ("Hold Heet" Electric), 340 W Huron, Chicago, Ill.
Schunck & Ogg ("Fraley," "Ajax" Electric Hand), 115 4th av, New York
Shelton Elec. Co. ("Centry" Electric), 16H E 42d, New York
Vibrassage Co., 659 Wells, Chicago, Ill.
Victor Electric Co., 236 S Robey, Chicago, Ill.
Wahl Mfg. Co., Sterling, Ill.
Waite & Bartlett Mfg. Co. (Electric Pneumatic), 53 Jackson av, Long Island City, N. Y.
Wappler Electric Co., 187 Harris av, Long Island City, N. Y.
Wisconsin Elec. Co., Dumore bldg, Racine, Wis.

16503a—Vine Trainers (Wire)

Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y. *See adv index at end of book*
Darby, Edw. J. & Son, 319 Vine, Phila., Pa. *See adv index at end of book*
Dufur & Co., 311 N Howard, Baltimore, Md.
Pioneer Wire Works, 133-135 Federal, Camden, N. J.
See adv index at end of book

16503b—Violet Rays Apparatus

Empire Electric Co., Inc. ("Vim"), 2227 S San Pedro, Los Angeles, Cal.
McIntosh Battery & Optical Co. ("McIntosh" High Frequency), 217H N Desplaines, Chicago, Ill.
Master Electric Co., 111 S. Jefferson, Chicago, Ill.
National Stamping & Electric Wks. (White-Cross Div.), 3212 W Lake, Chicago, Ill.
Renulife Elec. Co., 4841 Rivard, Detroit, Mich.

16504— Viscosimeters

Bausch & Lomb Optical Co., Rochester, N. Y.
Braun-Knecht-Heimann Co. (Redwood), 576-584 Mission, San Francisco, Cal.
Elmer & Amend ("Boverton Redwood," "Engler," "Doolittle," "McMichaels" Improved, etc.), 205 E 18th, New York
Feldt Geo. D. & Co. ("Doolittle's" Torsion), 5th & Buttonwood, Phila., Pa.
Holz Herman A., 16 Madison av, New York
Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.
Tagliabue Chas. J. Mfg. Co., ("Saybolt" Samplers, "Tag" Flash Testers), 18 33d, Brooklyn, N. Y.

16505—Vise Drilling Attachments

Goodell-Pratt Co., Greenfield, Mass.
Prentiss Vise Co., 110 Lafayette, New York

16506— Vise Pipe Grip

Armstrong Bros. Tool Co., 339 N Francisco av, Chicago, Ill.
Athol Machine Co. ("Standard" to be Attached or Inserted to Jaws of a Vise for Making Pipe Vise), Athol, Mass.

16507—Vise Stands (Portable)

Martin H. P. & Sons ("Martin"), Dept. H, Owensboro, Ky.
New Britain Machine Co. ("New Britain"), 190 Chestnut, New Britain, Conn.
Western Tool & Mfg. Co ("Champion"), Springfield, O.
Williams, J. H. & Co. ("Vulcan" Drop Forged), 400 Vulcan, Buffalo, N. Y.

16508— Vises (Amateur)

Columbian Hardware Co., Cleveland, O.
Grey Iron Casting Co., Mt. Joy, Pa.
Rock Island Mfg. Co., Rock Island, Ill.
Stanley Rule & Level Plant, New Britain, Conn.
YOST MFG. CO., Meadville, Pa.

16509—Vises (Anvil, Etc., Combination)

See also Anvil & Vise, Combined

Adams Co. ("The Diamond"), Dubuque, Iowa
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Columbian Hardware Co., Cleveland, O.
Fulton Iron Works, 39 Franklin, Detroit, Mich.
Germanow-Simon Machine Works ("G.-S") 58 Mill, Rochester, N. Y.
Millers Falls Co. ("Millers Falls"), Dept. H, Millers Falls, Mass.
Newhall Chain, Forge & Iron Co. ("Trident"), 89 West, New York
Parker Chas. Co., Dept. H, Meriden, Conn.
Phoenix Hardware Co., 49 Illinois, Buffalo, N. Y.
Prentiss Vise Co., 110 Lafayette, New York
Rawling Mfg. Co. ("Footlock"), Mills bldg., San Francisco, Cal.
Reading Saddle & Mfg. Co. (Household), Reading, Pa.
Rock Island Mfg. Co., Rock Island, Ill.
Sargent & Co., Water & Wallace, New Haven, Conn.
Yost Mfg. Co., Meadville, Pa.

16510— Vises (Automobile)

Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Columbian Hardware Co., Cleveland, O.
Luther Grinder Mfg. Co., 285 S Water, Milwaukee, Wis.
Rawling Mfg. Co. ("Footlock"), Mills bldg., San Francisco, Cal.
Rock Island Mfg. Co., Rock Island, Ill.
Standard Gas Engine Co. ("Hubaco"), Dennison & King, Oakland, Cal.
Yost Mfg. Co., Meadville, Pa.

16511— Vises (Ball)

Muehlmatt Adolph ("Rex" Universal), 17 Lion bldg, Cincinnati, O.

16512— Vises (Band Saw)

Armstrong Mfg. Co., 2 2d, Portland, Ore.
Atkins E. C. & Co., Indianapolis, Ind.
Edge Frank & Co., Grand Rapids, Mich.
New Britain Machine Co. ("New Britain"), 190 Chestnut, New Britain, Conn.
Oliver Machinery Co. (Band Saw Filing), Grand Rapids, Mich.

16513— Vises (Bench)

See also Vises, Machinists; Vises, Woodworking

Abernathy Vise & Tool Co.Co. (Rapid Acting, Woodworkers'), 2814 W 26th, Chicago, Ill.
Athol Mach & Foundry Co. ("Simpson" "Standard" "Starrett's Improved & Athol"), Athol, Mass.
Aurora Door Hanger & Specialty Co. (Quick Acting Machinists' & Woodworkers'), Aurora, Ill.
Barbour Stockwell Co. (Screw, the "Chandler" & "Washburn"), Cambridge, Mass.
Blissfield Motor Works ("Davenport" Tilting), Blissfield, Mich.
Bonney Forge & Tool Works ("Bonney" & "Champion," "Lehigh"), Tilghman, Allentown, Pa.
Columbian Hardware Co. (Machinists, "Columbian," etc), Cleveland, O.
Emmert Mfg. Co. ("Tiger"), Waynesboro, Pa.
Erie Tool Works, Erie, Pa.
Fisher & Norris ("Fisher"), Trenton, N. J.
Fulton Machine & Vise Co. ("Peerless," "Fulton" Swivel), Lowville, N. Y.
Globe Vise & Truck Co., Grand Rapids, Mich.
Goodell-Pratt Co., Greenfield, Mass.
Greenlee Bros. Co. (Woodworkers), 12th, Rockford, Ill.
Hollands Mfg. Co. ("Keystone"), 353 E 18th, Erie, Pa.
Illinois Iron & Bolt Co. (Machinists, etc), Carpentersville, Ill.
Irving Mfg. & Tool Co., 157 Chambers, New York
Luther Grinder Mfg. Co., 285 S Water, Milwaukee, Wis.
Manning, Maxwell & Moore, Inc., 100 E 42nd, New York
See adv index at end of book
MERRILL BROS. (Steel Bar, Parallel Jaws, Swivel Base), 3 Arnold, Maspeth (Borough of Queens), New York
See adv index at end of book
Millers Falls Co. ("Millers Falls"), Dept. H, Millers Falls, Mass.
Morgan Vise Co., 36 S Desplaines, Chicago, Ill.
North Bros. Mfg. Co. ("Yankee"), Lehigh & American, Phila., Pa.
Oliver Machy. Co., Grand Rapids, Mich.
Oswego Tool Co. (Combination), Oswego, N. Y.
Parker Chas. Co. ("Victor" "Superior" "Eclipse"), Dept. H, Meriden, Conn.
Phoenix Hardware & Mfg. Co., 49 Illinois, Buffalo, N. Y.

Prentiss Vise Co. ("Prentiss," "Gipsy"), 110 Lafayette, New York
Rawling Mfg. Co. ("Footlock"), Mills bldg., San Francisco, Cal.
Reed Mfg. Co., Erie, Pa.
Richards-Wilcox Mfg. Co. ("Wilcox" Wood Working Rapid Action), Aurora, Ill. *See adv index at end of book*
Rock Island Mfg. Co. ("Rock Island," Automatic Swivel, Lock Jaw), Rock Island, Ill.
Sargent & Co., Water & Wallace, New Haven, Conn.
Stanley Rule & Level Plant, New Britain, Conn.
Stearns E. C. & Co. ("Stearns" Gypsy Pattern & Oval Slide), 459 Oneida, Syracuse, N. Y.
Superior Tool Co. ("Du Charme" Quick Adjusting), Cambridge, O.
Toles W. C. Co., 502 W Judd, Woodstock, Ill. Works, 4034 N Tripp av, Chicago, Ill., Pollard Bros.
Walworth Mfg. Co. ("Walworth"), Boston, Mass.
Yost Mfg. Co. ("Yost" Solid & Adjustable Jaw, also Pattern Makers' Vises), Meadville, Pa.

16514— Vises (Bicycle)

Luther Grinder Mfg. Co., 285 S Water, Milwaukee, Wis.
Phoenix Hardware & Mfg. Co., 49 Illinois, Buffalo, N. Y.
Prentiss Vise Co., 110 Lafayette, New York
Yost Mfg. Co., Meadville, Pa.

16515— Vises (Blacksmiths')

Boker Cutlery & Hardware Co. ("Indian Chief"), 101 Duane, New York
Columbian Hardware Co., Cleveland, O.
Columbus Forge & Iron Co. ("Indian Chief"), Columbus, Ohio
Fisher & Norris ("Fisher"), Trenton, N. J
New London Vise Works, New London, Conn.
Rawling Mfg. Co. ("Footlock"), Mills bldg., San Francisco, Cal.
Rock Island Mfg. Co. ("Rock Island" Automatic Swivel), Rock Island, Ill.

16516—Vises (Carpet & Oil Cloth)

Kraeuter & Co., 583 18th av, Newark, N. J.
Osborne C. S. & Co. ("Kelly"), Box 183, Newark, N. J.
See adv index at end of book

16517—Vises (Chain Pipe)

Armstrong Bros. Tool Co., 339 N Francisco av, Chicago, Ill.
Erie Tool Works, Erie, Pa.
Williams J. H. & Co. ("Vulcan" Drop Forged), 31 Richards, Brooklyn, N. Y.
YOST MFG. CO., Meadville, Pa.

16518— Vises (Chipping)

Columbian Hardware Co., Cleveland, O.
Hollands Mfg. Co. ("Keystone"), 352 E 18th, Erie, Pa.
Prentiss Vise Co. (Heavy Chipping), 110 Lafayette, New York
Yost Mfg. Co. (Heavy Chipping), Meadville, Pa.

16519— Vises (Clamp)

Armstrong Bros. Tool Co., 339 N Francisco av, Chicago, Ill.
Athol Mach & Foundry Co. ("Standard" "Superior" & "Starrett"), Athol, Mass.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Columbian Hardware Co., Cleveland, O.
Luther Grinder Mfg. Co., 285 S Water, Milwaukee, Wis.
Millers Falls Co., Dept. H, Millers Falls, Mass.
Phoenix Hardware & Mfg. Co., 49 Illinois, Buffalo, N. Y.
Prentiss Vise Co., 110 Lafayette, New York
Rock Island Mfg. Co., Rock Island, Ill.
Stanley Rule & Level Plant, New Britain, Conn.
Williams J. H. & Co., 31 Richards, Brooklyn, N. Y.
Yost Mfg Co., Meadville, Pa.

16520—Vises (Coach Makers' or Wood-Workers')

Athol Mach & Foundry Co. ("Simpson"), Athol, Mass.
Barrett Machine Tool Co., Meadville, Pa.
Champion Hdwe. Co., Geneva, O.
Columbian Hardware Co., Cleveland, O.
Fisher & Norris ("Fisher" Quick Acting Wood Worker), Trenton, N. J.
Greenlee Bros. Co., 12th, Rockford, Ill.
General Machine Works, York, Pa.
Globe Vise & Truck Co., Grand Rapids, Mich.
Hollands Mfg. Co. ("Hollands" & "Penn"), 352 E 18th, Erie, Pa.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Morgan Vise Co., 37 S Desplaines, Chicago, Ill.
New London Vise Works ("Hyde's"), New London, Conn.
Oliver Machinery Co., Grand Rapids, Mich.
O'Neil J. H., Jr. (Carpenters), Pawtucket, R. I.
Parker Chas. Co., Meriden, Conn.
Prentiss Vise Co. ("Monarch," "Bingham," "Shephard"), 110 Lafayette, New York
Rawling Mfg. Co. ("Footlock"), Mills bldg., San Francisco, Cal.
Richards-Wilcox Mfg. Co., Aurora, Ill. *See adv index at end of book*
Rock Island Mfg. Co., Rock Island, Ill.
Toles W. C. Co., 502 W Judd, Woodstock, Ill. ("Toles" Rapid Acting) Works, 4034 N Tripp av, Chicago, Ill., Pollard Bros.
Wyman-Gordon Co. (Quick Action Wood Worker), 105 Madison, Worcester, Mass.
Yost Mfg. Co ("Yost" Pattern Makers), Meadville, Pa.

16521— Vises (Cutters')

Morgan Vise Co., 37 S Desplaines, Chicago, Ill.
New London Vise Works, New London, Conn.

16521a— Vises (Drill Press)

Alexander & Cox Co., 2358 Ogden, Chicago, Ill.
Athol Mach & Foundry Co., ("Quick Acting"), Athol, Mass.
Germanow-Simon Machine Works ("G. S."), 58 Mill, Rochester, N. Y.
Hoosier Drilling Machine Co., Goshen, Ind.
INDUSTRIAL PLANTS CORP. ("Quick Acting"), 25 Church, New York
See adv index at end of book
Morgan Vise Co., 36 S Desplaines, Chicago
Plunket, J. E., Machine Co., 213-15 N Ada, Chicago, Ill.
See adv index at end of book
Skinner Chuck Co. ("Ketchum Dual Action"), New Britain, Conn.
Yost Mfg. Co., Meadville, Pa.

16522—Vises (Drilling Machine)

Ainslie Machine & Tool Works ("Handy"), 593 Capitol, Hartford, Conn.
Armstrong Bros. Tool Co. ("Armstrong" Quick Action) 339 N Francisco av, Chicago, Ill.
Blissfield Motor Works ("Davenport" Tilting for Drill Presses), Blissfield, Mich.
BROWN ENGINEERING CO., 110 N 3rd, Reading, Pa.
Carter & Hakes Machine Co. (Screw), Winsted, Conn.
Cincinnati-Bickford Tool Co. ("Cincinnati"), Cincinnati, O.
Frederick Machine Works, Norwalk, O.
Graham Mfg. Co., 96 Point, Providence, R. I.
Greenberg's M. & Son, 225 Beale, San Francisco, Cal.
Hoggson & Pettis Mfg. Co. (Drill Press), New Haven, Conn.
Hoosier Drilling Machine Co. ("Hoosier"), Goshen, Ind.
Hoosier Universal Machy Co., Goshen, Ind.
Mather W. H. H., 105th & Quebec av, Cleveland, O.
Millers Falls Co., Dept. H, Millers Falls, Mass.
Mohn W. D. & Co. ("Mohn"), Reading, Pa.
North Bros. Mfg. Co. ("Yankee"), Lehigh av & American, Phila., Pa.
North Wales Machine Co., North Wales, Pa.
Plunket, J. E. Machine Co. ("Plunket" Drill Press), 213-15 N Ada, Chicago, Ill.
See adv index at end of book
Rock Island Mfg. Co., Rock Island, Ill.
Sellew Machine Tool Co. ("Universal"), Pawtucket, R. I.
Skinner Chuck Co. ("Skinner"), New Britain, Conn.
Sunderland Machinery & Supply Co., Omaha, Neb.
Union Tool Co. ("Hill for Drill Press"), Orange, Mass.
Wilcox Mfg. Co., 4824 W Lake, Chicago, Ill.
Yost Mfg Co., Meadville, Pa.

16523— Vises (Farmers')

Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Columbian Hardware Co. ("Columbian"), Cleveland, O.
Erie Tool Works, Erie, Pa.
Parker Chas. Co., Meriden, Conn.
Phoenix Hardware & Mfg. Co., 49 Illinois, Buffalo, N. Y.
Rock Island Mfg. Co., Rock Island, Ill.
Yost Mfg Co., Meadville, Pa.

16524—Vises (Foot, Blacksmiths')

Columbian Hardware Co., Cleveland, O.
Illinois Iron & Bolt Co. ("Rice"), Carpentersville, Ill.
New London Vise Works, ("Hyde's" Horse Shoers'), New London, Conn.
Noyes B. B. Co. ("Little Giant," Vise & Bolt Header Combined), Greenfield, Mass.
Rawling Mfg. Co. ("Footlock"), Mills bldg, San Francisco, Cal.

16525— Vises (Hand)

See also Vises, Pin

Athol Mach. & Foundry Co. ("Boss" "Standard"), Athol, Mass.
Bonney Forge & Tool Works (Swivel, Bench & Hand Vise Combined), Tilghman, Allentown, Pa.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Bullock Mfg. Associates, Springfield, Mass.
Columbian Hardware Co., Cleveland, O.
Dikeman Mfg. Co. (Hard Wood Handle), Norwalk, Conn.
Goodell-Pratt Co., Greenfield, Mass.
Grey Iron Casting Co., Mt. Joy, Pa.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Irving Mfg. & Tool Co., 157 Chambers, New York
Kilborn & Bishop Co. ("K. & B."), 194 Chapel, New Haven, Conn.
LOWELL WRENCH CO. ("Lowell"), 54 Commercial, Worcester, Mass.
See adv index at end of book
Luther Grinder Mfg. Co., 285 S Water, Milwaukee, Wis.
Malleable Iron Fittings Co. ("M. I. F. Co." Hand & Bench), Branford, Conn.
Millers Falls Co. ("Millers Falls"), Dept. H, Millers Falls, Mass.
Phoenix Hardware & Mfg. Co., 49 Illinois, Buffalo, N. Y.
Reading Saddle & Mfg. Co. (Household), Reading, Pa.
Robinson M. W. Co. ("Rollis"), 296 B'way, New York
Rock Island Mfg. Co., Rock Island, Ill.
Smith Otis A. (Hand, with Parallel Jaw), Rockfall, Conn.

16526—Vises (Horseshoers')

Butts & Ordway Co. ("Sure Grip"), 33 Purchase, Boston, Mass.
Columbian Hardware Co., Cleveland, O.
Iron City Tool Works, Ltd. (Solid Box), 3201 Smaliman, Pittsburgh, Pa.
Stanley Rule & Level Plant, New Britain, Conn.

16527— Vises (Jewelers')

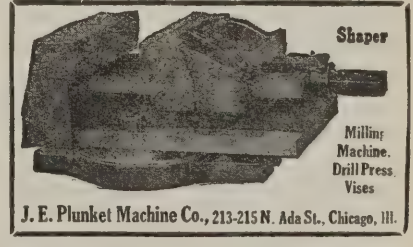
Athol Mach. & Foundry Co. ("Standard" "Simpson" "Starrett" "Athol"), Athol, Mass.
Bullock Mfg. Associates (Combination Pipe & Nut), Springfield, Mass.
Dixon Wm. (Hand & Bench), 119 Fulton, New York
Kendrick-Davis Co. ("K.-D."), Lebanon, N. H.
LOWELL WRENCH CO. ("Lowell" Pin), 54 Commercial, Worcester, Mass.
See adv index at end of book
Luther Grinder Mfg. Co., 285 S Water, Milwaukee, Wis.
Parker Chas. Co., Meriden, Conn.
Phoenix Hardware & Mfg. Co., 49 Illinois, Buffalo, N. Y.
Prentiss Vise Co., 110 Lafayette, New York
Rawling Mfg. Co. ("Footlock"), Mills bldg San Francisco, Cal.
Rock Island Mfg. Co., Rock Island, Ill.
Stanley Rule & Level Co., New Britain, Conn.
Worthington & Raymond (Imp.), ("Optimus," "W. & R."), 71 Murray, New York

16528— Vises (Linemen's)

Dicke Tool Co., Downers Grove, Ill.

16528a— *Vises (Machine Tool)

INDUSTRIAL PLANTS CORP., 25 Church, New York
See adv index at end of book
Plunket, J. E., Machine Co., 213-15 N Ada, Chicago, Ill.
See adv index at end of book



Skinner Chuck Co., New Britain, Conn.

16529— Vises (Machinists')

Athol Mach. & Foundry Co. ("Starrett's Improved" "Standard" "Simpson" Parallel Jaw, Swivel Jaw & Swivel Base), Athol, Mass.
Aurora Door Hanger & Specialty Co., Aurora, Ill.
Barrett Machine Tool Co. (Adjustable Jaw, Swivel Bottom & Parallel), Meadville, Pa.
Boker Cutlery & Hardware Co. ("Star," "F. & R."), 101 Duane, New York
Bonney Forge & Tool Works (Parallel "Ajax," "Hercules"), Tilghman, Allentown, Pa.
Columbian Hardware Co. (Parallel Jaw), Cleveland, O.
Emmert Mfg. Co. ("Emmert" Universal Parallel Jaw), Waynesboro, Pa.
Erie Tool Works, Erie, Pa.
Fisher & Norris ("Fisher" Quick Acting), Trenton, N. J.
Fulton Machine & Vise Co., Lowville, N. Y.
Hartford Special Machinery Co. (5-in. Quick Acting), Hartford, Conn.

(Continued on following page)

Vises (Machinists')—Continued

Hollands Mfg. Co. ("Hollands" & "Penn" Parallel & Swivelling Jaw), 352 E 18th, Erie, Pa.
Holmes Mfg. Co., Shelton, Conn.
Illinois Iron & Bolt Co. (Swivel Self-Adjusting & Parallel), Carpentersville, Ill.
INDUSTRIAL PLANTS CORP., 25 Church, New York
See adv index at end of book
MERRILL BROS. (Parallel Jaw), 3 Arnold, Maspeth (Borough of Queens), New York *See adv index at end of book*
Millers Falls Co., Dept. H, Millers Falls, Mass.
Morgan Vise Co., 37 S Desplaines, Chicago, Ill.
New Britain Machine Co. ("New Britain"), 190 Chestnut, New Britain, Conn.
North Bros. Mfg. Co. ("Yankee"), Lehigh av & American, Phila., Pa.
Parker Chas. Co. ("Victor" Parallel & Swivelling Jaw), Meriden, Conn.
Phoenix Hardware & Mfg. Co., 49 Illinois, Buffalo, N. Y.
Prentiss Vise Co. ("Monarch," "Bingham," Parallel & Swiveling Jaw), 110 Lafayette, New York
Rawling Mfg. Co. ("Footlock"), Mills bldg, San Francisco, Cal.
Reed Mfg. Co. (Parallel & Swivelling Jaw), Erie, Pa.
Rock Island Mfg. Co. ("Rock Island" Automatic Swivel), Rock Island, Ill.
Sanford F. C. Mfg. Co. ("Sanford" Quick Action & High Duty), Bridgeport, Conn.
Sargent & Co., Water & Wallace, New Haven, Conn.
Stanley Rule & Level Plant, New Britain, Conn.
Union Tool Co., Orange, Mass.
YOST MFG. CO. ("Yost" Parallel & Swivelling Jaw), Meadville, Pa.
Zernickow O. (Divided), 15 Park Row, New York

16530—Vises (Manual Training)

Columbian Hardware Co., Cleveland, O.
Emmert Mfg. Co. ("Eureka"), Waynesboro, Pa.
Greenlee Bros. & Co., 12th, Rockford, Ill.
Morgan Vise Co., 36 S Desplaines, Chicago
Rawling Mfg. Co. ("Footlock"), Mills bldg, San Francisco, Cal.
Rock Island Mfg. Co., Rock Island, Ill.
Yost Mfg Co. ("Yost"), Meadville, Pa.

16530a— *Vises (Milling)

Plunket, J. E., Machine Co., 213-15 N Ada, Chicago, Ill.
See adv index at end of book

16531—Vises (Milling Machine)

Alexander & Cox Co., 2353 Ogden, Chicago, Ill.
Bilton Machine Tool Co. (The), ("Bilton"), Bridgeport, Conn.
Blissfield Motor Works ("Davenport" Tilting), Blissfield, Mich.
Brown Engineering Co. ("Utility") 110 N 3rd, Reading, Pa.
Brown & Sharpe Mfg. Co., Providence, R. I.
Carter & Hakes Machine Co. (Quick Operating Lever & Screw), Winsted, Conn.
Cincinnati Milling Machine Co., Cincinnati, O.
Clark-Mesker Co., 18511 Euclid av, Cleveland, Ohio
Cleveland Milling Mach. Co., 18521 Euclid av, Cleveland, Ohio
Cochrane Bly Co., 19 St. James, Rochester, N. Y.
Edlund Mfg. Co., Cortlandt, N. Y.
Fox Machine Co., Jackson, Mich.
Frederick Machine Wks., 460 Foster av, Norwalk, Conn.
Garvin Machine Co., 147 Varick, New York
Germanow-Simon Machine Works ("G. S."), 58 Mill, Rochester, N. Y.
Hendey Machine Co., ("Hendey"), Torrington, Conn.
Hoosier Drilling Machine Co., Goshen, Ind.
INDUSTRIAL PLANTS CORP., 25 Church, New York
See adv index at end of book
Kempsmith Mfg. Co., West Allis, Wis.
Le Blond R. K. Mach. Tool Co., Madison & Edwards, Cincinnati, O.
Moback Tool & Machine Mfg. Co. ("Moback" Plain & Swivel), 330 Atlantic av, Boston, Mass.
Morgan Vise Co., 37 S Desplaines, Chicago, Ill.
North Wales Machine Co., North Wales, Pa.
Oesterlein Machine Co., Cincinnati, O.
PLUNKET, J. E., MACHINE CO. ("Plunket"), 213-15 N Ada, Chicago, Ill.
See adv index at end of book
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Reed-Prentice Co., 677 Cambridge, Worcester, Mass.
Rock Island Mfg. Co., Rock Island, Ill.
S. P. Manufacturing Co. ("American" Air Operated), 872 E 72d, Cleveland, O.
Skinner Chuck Co. ("Ketchum Dual Action"), New Britain, Conn.
Sommer & Adams Co., 18511 Euclid av, Cleveland, Ohio
Union Tool Co., Orange, Mass.
Whitney Mfg. Co., Bartholomew av, Hartford, Conn.
Zernickow O., 15 Park Row, New York

16532— Vises (Oval Slide)

Adams Co. ("Adams"), Dubuque, Ia.
Athol Mach. & Foundry Co., Athol, Mass.
Erie Tool Works, Erie, Pa.
Parker Chas. Co., Meriden, Conn.
Rock Island Mfg. Co., Rock Island, Ill.
Yost Mfg Co., Meadville, Pa.

16533— Vises (Parallel)

See also Vises, Bench

Barrett Machine Tool Co., Meadville, Pa.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Columbia Hardware Co., Cleveland, O.
Erie Tool Works, Erie, Pa.
Fisher & Norris ("Fisher" Double Screw), Trenton, N. J.
Hollands Mfg. Co. ("Hollands" & "Penn"), 352 E 18th, Erie, Pa.
MERRILL BROS. (Steel Bar), 3 Arnold, Maspeth (Borough of Queens), New York. *See adv index at end of book*
Parker Chas. Co., Meriden, Conn.
Prentiss Vise Co. ("Bull-Dog"), 110 Lafayette, New York
Rock Island Mfg. Co., Rock Island, Ill.
Yost Mfg Co., Meadville, Pa.
Zernickow O. (Divided), 15 Park Row, New York

Vises (Pattern Makers')

See Vises, Coach Makers' or Wood Workers; also Vises, Bench

16534—Vises (Picture Frame)

Rockford Mitre Box Co. ("Star"), Rockford, Ill.

16535— Vises (Pin)

See also Vises, Hand

Braunsdorf-Mueller Co., Elizabeth, N. J.
Fray John S. Co., Bridgeport, Conn.
Goodell-Pratt Co., Greenfield, Mass.
Hollands Mfg. Co., 352H E 18th, Erie, Pa.
Kendrick-Davis Co. ("K.-D."), Lebanon, N. H.
LOWELL WRENCH CO. ("Lowell" Jewelers, etc.), 54 Commercial, Worcester, Mass. ***See adv index at end of book***
Robinson M. W. Co. ("Robinson"), 296 B'way, New York
Starrett L. S. Co., Athol, Mass.

16536— Vises (Pipe)

Armstrong Bros. Tool Co., 339 N Francisco av, Chicago, Ill.
Armstrong Mfg. Co. ("Armstrong" Hinged Pipe Vises), 305 Knowlton, Bridgeport, Conn
Athol Mach. & Foundry Co., Athol, Mass.
Barrett Machine Tool Co. ("The Barrett" Combination), Meadville, Pa.
Butler Co., Butler, Ind.
Channon Jas. H. Mfg. Co., 227 W. Erie, Chicago, Ill.
Columbian Hardware Co., Cleveland, O.
Columbus Machine Works ("Columbus" Quick-Acting), Columbus, Ind.
Crane Co. (Malleable Iron), 836 S Michigan av, Chicago, Ill.
See adv index at end of book
CROWN DIE & TOOL CO., 2640 N Keeler av, Chicago, Ill.
Dikeman Mfg. Co. ("Handy," Small for Electricians, Pipe Fitters, etc), Norwalk, Conn.
Emmert Mfg. Co. ("Tiger"), Waynesboro, Pa.
Erie Tool Works (Chain, etc), Erie, Pa.
Fulton Machine & Vise Co. ("F. & R.," "Star" Solid Jaw & Combination Pipe), Lowville, N. Y.
Greenfield Tap & Die Corp. ("G. T. D."), Greenfield, Mass.
Handy Mfg. Co. ("Handy"), Bridgeport, Conn.
Hilts Wrench & Mfg. Co. ("Vulcan" Chain), Richford, N. Y.
Hinman D. A. & Co. ("Enterprise"), Sandwich, Ill.
Hollands Mfg. Co. (Malleable Hinged, "Hollands" Roller, Jaw & Open Side), 352 E 18th, Erie, Pa.
Illinois Iron & Bolt Co. ("I. I. & B. Co."), Carpentersville, Ill.
Jarecki Mfg. Co. ("Jarecki"), Erie, Pa.
Mark Mfg. Co. ("Roller"), Evanston, Ill.
Nason Mfg. Co., 71 Fulton, New York
See adv index at end of book
Nye Tool & Machine Works ("Nye"), 108 N Jefferson, Chicago, Ill.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Oswego Tool Co. ("Walworth," "Armstrong," "Smith," "Parker," Combination "Jarecki"), Oswego, N. Y.
Parker Chas. Co. ("Superior Combination"), Dept. H, Meriden, Conn.
Phoenix Hardware & Mfg. Co., 49 Illinois, Buffalo, N. Y.
Prentiss Vise Co. ("Prentiss," Open Side & "20th Century," "Shepard," "Rex," "Blake"), 110 Lafayette, New York
Rawling Mfg. Co. ("Footlock"), Mills bldg, San Francisco, Cal.
Reed Mfg. Co., Erie, Pa.
Rock Island Mfg. Co. ("Rock Island" Automatic Swivel & Hinged), Rock Island, Ill.
Saunders D. Sons Co., Yonkers, N. Y.
Spencer Regulator Co. ("Spencer," "Searls"), Salem, Mass.
Superior Tool Co. ("Du Charme," Quick Adjusting Open Top), Cambridge, O.
Toledo Pipe Threading Machine Co., 1440 Summit, Toledo, O.
Vanderman Mfg. Co. (Combination Bench), Willimantic, Conn.
Walworth Mfg. Co. ("Kingfast" "Walworth"), 82 Pearl, Boston, Mass.
Whittington-Vaughn Co. ("Whittington"), Easton, Pa.
Williams, J. H. & Co. ("Vulcan" Drop Forged), 400 Vulcan, Buffalo, N. Y.
YOST MFG. CO., Meadville, Pa.
Young Joseph H. Co. (Brass Combination), 82 High, Boston, Mass.

16537—Vises (Pipe, Combination)

Armstrong Bros. Tool Co., 339 N Francisco av, Chicago, Ill.
Athol Mach. & Foundry Co., Athol, Mass.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Columbian Hardware Co., Cleveland, O.
Erie Tool Works, Erie, Pa.
Fisher & Norris ("Fisher" Quick Acting), Trenton, N. J.
Fulton Machine & Vise Co., Lowville, N. Y.
Hollands Mfg. Co. ("Hollands" Standard & Extra Heavy), 352 E 18th, Erie, Pa.
Luther Grinder Mfg. Co., 285 S Water, Milwaukee, Wis.
Morgan Vise Co., 37 S Desplaines, Chicago, Ill.
Prentiss Vise Co. ("Prentiss"), 110 Lafayette, New York
Rawling Mfg. Co. ("Footlock"), Mills bldg, San Francisco, Cal.
Rock Island Mfg. Co., Rock Island, Ill.
Smith H. B. Co., ("Smith"), Westfield, Mass.
Stowell Co. The ("Hanson" 5 Tools in One), South Milwaukee, Wis.
Yost Mfg Co., Meadville, Pa.
Young Joseph H. Co. ("Crawford"), 82 High, Boston, Mass.

16538—Vises (Planer & Shaper)

Blissfield Motor Works ("Davenport" Tilting), Blissfield, Mich.
Carter & Hakes Machine Co. (Screw), Winsted, Conn.
Frederick Machine Works, Norwalk, O.
Fulton Machine Co., Canal Fulton, O.
Hendey Machine Co. ("Hendey") Torrington, Conn.
INDUSTRIAL PLANTS CORP., 25 Church, New York
See adv index at end of book
Plunket, J. E., Machine Co. (Shaper), 213-15 N Ada, Chicago, Ill.
See adv index at end of book
Rock Island Mfg. Co., Rock Island, Ill.
Sellew Machine Tool Co., Pawtucket, R. I.
Union Tool Co., Orange, Mass.
Zernickow O., 15 Park Row, New York

16539—Vises (Rule Bending)

Griswold George M. Machine Co. (Folding Box Makers), Bradley & William, New Haven, Conn.
Rock Island Mfg. Co., Rock Island, Ill.

16540-1— Vises (Saw)

See Also Clamps, Vises, Band Saw

Atkins E. C. & Co., 402 S Illinois, Indianapolis, Ind.
Baldwin Tuthill & Bolton (For Band Saws), Grand Rapids, Mich.
Buckeye Mfg. & Foundry Co. (Folding), 2046 W 55th, Cleveland, O.
Clipper Tool Co. ("Neverbreak" All-Steel), 284 Mills, Buffalo, N. Y.
Creasy Rotary Files Co. (Automatic Linter), Ballinger, Texas
Disston Hy. & Sons, Tacony, Phila., Pa.
Filer & Stowell Co. ("Cunningham," for Band & Gang Saws), Milwaukee, Wis.
Huther Bros. Saw Mfg. Co. (Adjustable Circular), Rochester, N. Y.
See adv index at end of book
New Britain Machine Co. ("New Britain" (Band & Circular Saw Vises), 190 Chestnut, New Britain, Conn.
Oliver Machinery Co. (Adjustable Circular, etc), Grand Rapids, Mich.
Parker Chas. Co. (Adjustable Saw Filers), Meriden, Conn.
Phoenix Hardware & Mfg. Co. ("Phoenix"), 49 Illinois, Buffalo, N. Y.
Sargent & Co. ("Wentworth" Improved Pattern "Sargent"), Water & Wallace, New Haven, Conn.
Smith & Hemenway Co., Inc. ("Red Devil"), 261 Broadway, New York & 130 H Irvington, N. J.
See adv index at end of book
Stearns E. C. & Co. ("Stearns," "Wentworth"), 450 Oneida, Syracuse, N. Y.
Stover Mfg. & Engine Co., Freeport, Ill.
Weber Mfg. Co. (Folding Saw Filing Vises), West Allis, Wis.

16542— Vises (Solid Box)

Columbian Hardware Company, Cleveland, Ohio
Columbus Forge & Iron Co., Columbus, O.
Fisher & Norris ("Fisher"), Trenton, N. J.
Iron City Tool Works (Ltd.), 3201 Smallman, Pittsburgh, Pa.
MERRILL BROS. (Steel Bar, Parallel Jaws, Swivel Base), 3 Arnold, Maspeth (Borough of Queens), New York
See adv index at end of book
New London Vise Works, New London Conn.
Rock Island Mfg. Co., Rock Island, Ill.

16543—Vises (Tool Makers')

Athol Mach. & Foundry Co. ("Standard" "Starrett" "Simpson" "Athol"), Athol, Mass.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Brown & Sharpe Mfg. Co., Providence, R. I.
Champion Hardware Co., Geneva, O.
Columbian Hardware Co., Cleveland, O.
Emmert Mfg. Co. ("University"), Waynesboro, Pa.
Herlth O. G. Mfg. Co. Inc. ("Herlth" Adjustable Metal), 983 Main, Hartford, Conn.
INDUSTRIAL PLANTS CORP., 25 Church, New York
See adv index at end of book
MERRILL BROS. (Steel Bar), 3 Arnold Maspeth (Boro. of Queens), New York
See adv index at end of book
Morgan Vise Company, 36 S Desplaines, Chicago, Ill.
North Bros. Mfg. Co. ("Yankee"), Lehigh av & American, Phila., Pa.
Parker Chas. Co., Meriden, Conn.
Rawling Mfg. Co. ("Footlock"), Mills bldg, San Francisco, Cal.
Rock Island Mfg. Co., Rock Island, Ill.
Stanley Rule & Level Plant, New Britain, Conn.
Yost Mfg Co., Meadville, Pa.

16543a—Visors (Automobile Storm & Glare)

Ansonia Mfg. Co., H River rd, Ansonia, Conn.
Auto Glass & Mirror Corp. ("Kill-Glare"), 314 Jefferson av, Buffalo, N. Y.
Cal. Auto Supply Co. Inc. ("Peerless"), 632 Mateo, Los Angeles, Cal.
Central States Steel Equipment Co. ("Better Bilt" & "Central States"), Center & Allen, Joliet, Ill.
Edwards, O. M., Co., Inc., Plum & Solar, Syracuse, N. Y.
Golden Gate Brass Mfg. Co., 1239 Sutter, San Francisco, Cal.
Hartford Windshield Co., 1615 S Los Angeles, Los Angeles, Cal.
Hillman Mfg. Co. ("National Windshield Visor"), 749 Kohler, Los Angeles, Cal.
McClay Mfg. Co., 3675 Moneta av, Los Angeles, Cal.
Metal Specialties Mfg. Co. ("Presto"), Dept. H, 338 N Kedzie av, Chicago, Ill.
Noglare Mfg. Co. ("Noglare"), Washington Court House, Ohio
Pa. Piston Ring Co., 207 St. Clair av N E, Cleveland, Ohio
Roberts Mfg. Co. (Jaknife"), Dept. H, 152 Brewery, New Haven, Conn.
Savage Mfg. Co., 1913 Western av, Seattle, Wash.
Whomes Mfg. Co., Inc., 2307 S Main, Los Angeles, Cal.

16544— Vitrines

Biele Chas. T. & Sons Co., 381 W. 12th, New York

16544a— Voltmeters (Battery)

Manhattan Electrical Supply Co., 17 Park pl, New York

16545— Voltmeters (Milli)

BRISTOL CO. ("Bristol's" Recording also Series Types), Waterbury, Conn.
See adv index at end of book
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Weston Electrical Instrument Co., Waverly Park, Newark, N. J.

16546—Voltmeters & Frequency Indicator Combined

See also Ammeters & Voltmeters

Westinghouse Electric Mfg. Co., East Pittsburgh, Pa. *See adv index at end of book*

16547— Vulcabeston

Johns-Pratt Co., The (For Electric Insulation & Steam Packing, etc), Hartford, Conn.

16548—Vulcanizers (Electric)

Bacon Vulcanizer Mfg. Co., Emeryville, Cal.
Barnes & Fisher Mfg. Co., 2931 1st av, So. Seattle, Wash.
Caldwell, L. L. Co., 2405 S Main, Los Angeles, Cal.
Gwynn-Bacon Vulcanizer Co., 3216-7 Morgan av, St. Louis, Mo.
Meiser G. H. & Co., 327 E Marquette rd, Chicago, Ill.
Premier Elec. Co., 1123 S Wabash av, Chicago, Ill.
Reliance Mfg. Co., 1020 S Broadway, Pasadena, Cal.
Reynolds & Co., Real Estate Trust bldg, Phila., Pa.
Scheeline Mfg. Co. ("Hulbert"), 76 Tehama, San Francisco, Cal.
Shaler C. A. Co., Waupun, Wis.

16549—Vulcanizers (Hose)

BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.
See adv index at end of book
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book

16550—Vulcanizers (Rubber)

Adamson Machine Co., Akron, O.
BIGGS BOILER WORKS CO., (Biggs Patented Boltless Vulcanizers), Case av & Williams, Akron, O.
See adv index at end of book
Birmingham Iron Foundry (Tire), Derby, Conn.
Caldwell, L. L. Co., 2405 S Main, Los Angeles, Cal.
Crossley Machine Co., State & Chestnut av, Trenton, N. J.
Dorman J. F. W. Co. ("Peerless"), 526 N Calvert, Baltimore, Md.
Hawgood Tire Equipment Co., Indianapolis, Ind.
Leslie Elliott & Co., Paterson, N. J.
McNeil Boiler Co., 96 Crozier, Akron, O.
Manitowoc Engineering Works, Manitowoc, Wis.
Smith R. H. Mfg. Co. ("Bay State" for Steam, "Handy" for Dry Heat), Springfield, Mass.
Smith Samuel & Son Co., Paterson, N. J.
SOUTHWARK FOUNDRY & MACHINE CO. (Factory), 1128 S 4th Phila., Pa.
See adv index at end of book
Thropp Wm. R. & Sons Co., Trenton, N. J.
Williams Foundry & Machine Co., Akron, Ohio *See adv index at end of book*

16551-2—Vulcanizers (Tire & Tube)

Adamson Machine Co., Akron, Ohio
Adamson Mfg. Co., East Palestine, O.
Anderson Rubber Works ("Miller's" Steam for Repairing Auto Inner Tubes), Anderson, Ind.
Auto Tire Exchange, Burlington, N. C.
Bacon Vulcanizer Mfg. Co., Emeryville, Cal.
Barnes & Fisher Mfg. Co., 2931 1st av, So. Seattle, Wash.
Beach-Russ Co. (Rubber), 38 Church, New York *See adv index at end of book*
BIGGS BOILER WORKS CO., (Biggs Patented Boltless Vulcanizers), Case av & Williams, Akron, O.
See adv index at end of book
Birmingham Iron Foundry, Derby, Conn.
Burge Machine Works, 230 N Jefferson, Chicago, Ill.
Caldwell, L. L. Co., 2405 S Main, Los Angeles, Cal.
Eno Rubber Corp., 1026 S Los Angeles, Los Angeles, Cal.
Faultless Engine Co. (Gas), 1511 Cypress av, Kansas City, Mo.
Fisher Adam Mfg. Co. ("Three-in-One"), **3624 Enright, St. Louis, Mo.**
Goodrich B. F. Co., Akron, O.
Keystone Rubber Mfg. Co. (Fluid for Inner Tube), Erie, Pa.
Lowell Equipment Mfg. Co., Lowell, Mass.
McGraw Tire & Rubber Co. ("Imperial"), East Palestine, O.
Park Mfg. Co. ("Worcester"), 47 Lagrange, Worcester, Mass.
Reliance Mfg. Co., 1020 S Broadway, Pasadena, Cal.
Shaler C. A. Co. ("Shaler" Electric, Alcohol Steam), Waupun, Wis.
Scheeline Mfg. Co. ("Hulbert"), 76H Tehama, San Francisco, Cal.
SOUTHWARK FOUNDRY & MACHINE CO., 1128 S 4th, Phila., Pa.
See adv index at end of book
Thropp Wm. R. & Sons Co., Trenton, N. J.
Vanderpool Wm., Springfield, O.
Williams Foundry & Machine Co., Akron, Ohio *See adv index at end of book*

16553—Wagon Dump Boxes

Acme Road Machinery Co., Frankfort, N. Y.
Bacon & Matheson Forge Co., 17H W Lander, Seattle, Wash.
Columbia Wagon Co., Columbia, Pa.
Eagle Wagon Works, Auburn, N. Y.
Everett Mfg. Co. ("Everett," Portable), Newark, N. Y.
Galion Iron & Mfg. Wks. Co., Galion, O.
Knapheide Henry Wagon Co., Quincy, Ill.
Lee Trailer & Body Co. ("Lee"), 2343 S La Salle, Chicago, Ill.
Maytag Co. ("Parsons"), Newton, Ia.
Ohio Road Machinery Co. ("Ohio"), Oberlin, O.
Studebaker Corp., South Bend, Ind.
Tiffin Wagon Co., Tiffin, O.
Troy Wagon Works Co. ("Troy"), 100 E Race, Troy, O.
Turnbull Motor Truck & Wagon Co. ("Turnbull"), Defiance, O.

Wagon Loaders

See Loaders (Wagon & Truck)

16554— Wagon Sunshades

Troy Carriage Sun Shade Co. (For Wagons, Trucks, etc), Troy, O.

16555—Wagons (Asphalt, Dump)

Columbia Wagon Co., Columbia, Pa.
Eagle Wagon Works, Auburn, N. Y.
Littleford Bros. (& Oil Distributing), 444 E Pearl, Cincinnati, Ohio
See adv index at end of book
Shadbolt Mfg. Co., 68 Flushing av, Brooklyn, N. Y.
Studebaker Corp., South Bend, Ind.
Tiffin Wagon Co. (Steel Lined, etc), Tiffin, Ohio
Troy Wagon Works Co. ("Troy"), 100 East Race, Troy, O.

Wagons (Baggage & Express)

See Barrows, Baggage & Express

16556— Wagons (Bakers')

American Wagon Co., 8th & Sycamore,, Cincinnati, O.
Armleder O. Co., 12th & Plum, Cincinnati, Ohio
Koening & Luhrs Wagon Co., Quincy, Ill.
Kramer Wagon Co., Oil City, Pa.
Martin-Parry Corp., York, Pa.
Parsons Wagon Co., Earlville, N. Y.
Winkler Mfg. Co., 29 Hydraulic av, South Bend, Ind.
Woeber Car & Mfg. Co.. Denver, Colo.

16557— Wagons (Brewery)

Abresch Chas. Co., 398 4th, Milwaukee, Wis.
Woeber Car & Mfg. Co., Denver, Colo.

16558-9—Wagons (Builders')

Abresch Chas. Co., 398 4th, Milwaukee Wis.
Martin-Parry Corp., York, Pa.
Milburn Wagon Co., Toledo, O.
Studebaker Corp., South Bend, Ind.
Western Wheeled Scraper Co., Farnsworth, Aurora, Ill.

Wagons (Childrens')

See Vehicles, Children's

16560—Wagons (Coal Charging)

Jackson Mfg. Co., 4th & Boyd, Harrisburg, Pa. *See adv index at end of book*
Kilbourne & Jacobs Mfg. Co. (Steel), Columbus, Ohio
Penn. Foundry & Mfg. Co., Wyomissing, Reading, Pa.

16561—Wagons (Coal & Coke)

Abresch Chas. Co., 398 4th, Milwaukee, Wis.
Auburn Wagon Co., Martinsburg, W. Va.
Jackson Mfg. Co., 4th & Boyd, Harrisburg, Pa. *See adv index at end of book*
Karges Wagon Co., 301 W Maryland, Evansville, Ind.
Kilbourne & Jacobs Mfg. Co. (Coal), Columbus, Ohio
Leonhardt Wagon Mfg. Co. (Coal Chute), 417 E Saratoga, Baltimore, Md.
Mogul Wagon Co., Hopkinsville, Ky.
Owensboro Wagon Co., Owensboro, Ky.
Springfield Wagon Co., Springfield, Mo.
Streich A. & Bro. Co. (Spring & Dead Axle), Oshkosh, Wis.
Studebaker Corp., South Bend, Ind.
Winkler Mfg. Co., 29 Hydraulic av, South Bend, Ind.

16562— Wagons (Coaster)

American National Co., Toledo, O.
AUTO-WHEEL COASTER CO., INC. (formerly the Buffalo Sled Co., "Auto-Wheel" Coaster & Roadster), North Tonawanda, N. Y.
Baker W. J. Co. (Vehicles, Indoor Base Ball), Newport, Ky.
Henley Skate Co., Richmond, Ind.
Hudson Mfg. Co., 324 3d av N, Minneapolis, Minn.
Hunt, Helm, Ferris & Co. ("Star"), Harvard, Ill.
Janesville Products Co., Janesville, Wis.
John's Stamping & Machine Works Co., ("Three-in-One"), 1715 Leonard, Cleveland, O.
Martin & Heagy Mfg. Co. ("Hickory"), Elizabethtown, Pa.
Sheboygan Coaster & Wagon Works ("Unique," "Sheboygan," "Carry All" & Roller Steel Gear), Sheboygan, Wis.
South Bend Toy Mfg. Co. (Standard," "South Bend" Ball Bearing), South Bend, Ind.
Toledo Metal Wheel Co., Toledo, O.
Wabash Mfg. Co. ("Wabash Express" & Sleds), Terre Haute, Ind.
Wagner Mfg. Co., Cedar Falls, Ia.

Wagons (Contractors')

See Wagons, Dumping

16563— Wagons (Dairy)

Abresch Chas. Co., 398 4th, Milwaukee, Wis.
Columbia Wagon Co., Columbia, Pa.
Geneva Wagon Co., Middle, Geneva, N. Y.
Martin-Parry Corp., York, Pa.
Moline Plow Co. ("Freeport"), Moline, Ill.
Northwestern Mfg. Co., Fort Atkinson, Wis.
Stoughton Wagon Co., Stoughton, Wis.
Studebaker Corp'n, South Bend, Ind.
Vaughn Mfg. Co., Jefferson, Wis.

16564— Wagons (Delivery)

Acme Wagon Co., Emigsville, Pa.
Ames F. A. Co., Owensboro, Ky.
Auburn Wagon Co., Martinsburg, W. Va.
Banner Buggy Co., 1310 S 13th, St. Louis, Mo.
Champion Wagon Co., Owego, N. Y.
Columbia Wagon Co., Columbia, Pa.
Cooper A. A. Wagon & Buggy Co., Dubuque, Ia.
Deere John Plow Co., 2204 N B'way, St. Louis, Mo.
Emerson-Brantingham Co., Rockford, Ill.
Florence Wagon Co., Florence, Ala.
Fuller Buggy Co., Jackson, Mich.
Hannibal Wagon Co., Hannibal, Mo.
Hess Carriage Co. Hagerstown, Md.
Houghton Mfg. Co., Marion, Ohio.
Kentucky Wagon Mfg. Co. ("Tennessee," "Old Hickory"), Louisville, Ky.
Koenig & Luhrs Wagon Co., Quincy, Ill.
Kramer Wagon Co. ("Kramer"), Oil City, Pa.
Kratzer Carriage Co., Des Moines, Ia.
Leonhardt Wagon Mfg. Co., 417 E Saratoga, Baltimore, Md.
Lion Buggy Co., C. H. D. R. R., Cincinnati, O.
Lull Carriage Co., Kalamazoo, Mich.
Martin-Parry Corp., York, Pa.
Moline Plow Co. ("Freeport"), Moline, Ill.
Noyes Carriage Co., Elkhart, Ind.
Parry Mfg. Co., Indianapolis, Ind.
Parsons Wagon Co., Earlville, N. Y.
Paterson W. A. Co., Flint, Mich.
Prouty & Glass Carriage Co., Wayne, Mich.
Rex Buggy Co., Connersville, Ind.
Springfield Wagon Co., Springfield, Mo.
Studebaker Corp., South Bend, Ind.
Sweet B. F. & H. L. Co., Fond du Lac, Wis.
Vaughn Mfg. Co., Jefferson, Wis.
Winkler Mfg. Co., 29 Hydraulic av, South Bend, Ind.
Winona Carriage Co., Winona, Minn.
Woeber Car & Mfg. Co., Denver, Colo.

16565— Wagons (Dumping)

See also Carts, Dumping

Acme Road Machinery Co., Frankport, N. Y.
Acme Wagon Co., Emigsville, Pa.
Auburn Wagon Co., Martinsburg, W. Va.
Austin Mfg. Co., 910 S Michigan av, Chicago, Ill.
Bain Wagon Co. ("Bain"), Kenosha, Wis.
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Beckert Wm. & Son, 1003 E Ohio, North Side, Pittsburgh, Pa.
Chain Belt Co., 746 Park, Milwaukee, Wis.
See adv index at end of book
Columbia Wagon Co. ("Susquehanna" Dump Bottom), Columbia, Pa.
Connellsville Iron Works (Steel Body), Connellsville, Pa.
Eagle Wagon Works, Auburn, N. Y.
Gallon Iron Works & Mfg. Co., Gallon, O.
Good Roads Machinery Co. ("National"), Kennett Square, Pa.
Hamilton Smithing & Mfg. Co., Hamilton, O.
Henderson Wagon Works, Henderson, Ky.
Hill E. W. (Steel), 24 Pollock av, Jersey City, N. J.
Kentucky Wagon Mfg. Co. ("Old Hickory," "Tennessee"), Louisville, Ky.
MacKinnon F. Mfg. Co. ("Steel King" Bottom Dump), Grand Rapids, Wis.
Pekin Wagon Co., Pekin, Ill.
Pioneer Tractor Mfg. Co. (Traction), Winona, Minn.
Port Huron Engine & Thresher Co., Port Huron, Mich.
Russell Grader Mfg. Co., 2005 Univ. av, S. E., Minneapolis, Minn.
Schuttler Peter Co., 2509 W 22d, Chicago, Ill.
Shadbolt Mfg. Co., 68 Flushing av, Brooklyn, N. Y.
Smith & Sons Mfg. Co. ("Royal"), Kansas City, Mo.
Streich A. & Bro. Co., Oshkosh, Wis.
STROUD & CO. ("Little Red Wagon" & "Big Red Wagon"), Omaha, Neb.
Studebaker Corp., South Bend, Ind.
Sweet B. F. & H. L. Co. ("Sweet's" Lumber Dumping), Fond du Lac, Wis.
Troy Wagon Works Co. ("Troy" Bottom Dump), 100 E Race, Troy, O.
Watson Products Corp., Center, Canastota, N. Y.
Watson Wagon Co., Canastota N. Y.
Western Wheeled Scraper Co. ("Aurora" & "Western Studebaker"), Aurora, Ill.

16566— Wagons (Farm)

ALABAMA.

FLORENCE—Florence Wagon Co. ("Florence")

ARKANSAS.

FORT SMITH—Fort Smith Wagon Co. ("Fort Smith," "John Deere," "Mitchell," "Triumph")

COLORADO.

DENVER—Niederhut Carriage Co., 3560 Walnut

GEORGIA.

AUGUSTA—Lowrey Wagon Works
EAST POINT—White Hickory Wagon Mfg. Co.
MACON—Williams Mfg. Co. (White Hickory)

ILLINOIS.

ABINGDON—Abingdon Wagon Co. ("Abingdon," "Clinton," "Sterling")
ALBION—Painter & Franklin ("Painter & Frank")
CHICAGO—International Harvester Co. ("Weber" "Sterling"), H Harvester bldg
Schuttler Peter Co. ("Schuttler"), 2509 W 22d
MOLINE—Deere John Wagon Works
Moline Plow Co. ("Mandt")
OTTAWA—King & Hamilton Co.
PEKIN—Pekin Wagon Co. ("Pekin," "New Ebbert," "New Smith")
QUINCY—Electric Wheel Co. ("Electric"), Station D
See adv index at end of book
ROCKFORD—Emerson Brantingham Implement Co. ("Newton" "Overland" "E. B. Newton")
SPRINGFIELD—Fetzer & Co.
Racine-Sattley Co.
STERLING—Bassett E. C.

INDIANA.

ANDERSON—Rhoads Samuel
CORYDON—Keller Mfg. Co. ("Corydon")
EVANSVILLE—Karges Wagon Co. ("Karges"), 301 W Maryland
HUNTINGBURG—Huntingburg Wagon Works ("Huntingburg")
JEFFERSONVILLE—Holzbog G. H. & Bro.
LAFAYETTE—Indiana Wagon Co. ("Lafayette")
SOUTH BEND—Birdsell Mfg. Co. ("Birdsell")
Studebaker Corp. ("Studebaker")

IOWA.

DUBUQUE—Cooper A. A. Wagon & Buggy Co. ("Columbus," "Cooper")
FAIRFIELD—Turney Joel & Co. ("Charter Oak")
KENOSHA—Bain Wagon Co. ("Bain")
PELLA—Buerkens Mfg. Co. ("Buerkens")

KENTUCKY.

HENDERSON—Henderson Wagon Works
HICKMAN—Hickman Wagon Co.
HOPKINSVILLE—Mogul Wagon Co.
LOUISVILLE—Brinly Hardy Co.
Kentucky Wagon Mfg. Co. ("Old Hickory," "Tennessee," "Kentucky")
OWENSBORO—Owensboro Wagon Co.

MARYLAND.

HAGERSTOWN—Hess Carriage Co.

MICHIGAN.

HOLLY—Patterson Mfg. Co. ("Holly," "P B")
MOUNT CLEMENS—Donaldson Bros.

MINNESOTA.

MINNEAPOLIS—Keller Mfg. Co. ("Keller"), 1325 N E Quincy
Lonhart Wagon Co. ("Lonhart"), 2600 University av S E
ST. PAUL—Anderson Co. ("Grain King"), 2324 University av
WINONA—Winona Wagon Co. ("Rushford," "Winona," "Minnesota")

MISSISSIPPI.

DURANT—Love Wagon Co.
LAUREL—Lindsey Wagon Co. ("Lindsey")

MISSOURI.

EDINA—Miller Wagon Co. ("Miller")
FARMINGTON—Lang & Bro. Mfg. & Merc. Co. ("Lang")
HANNIBAL—Hannibal Wagon Co.
ST. LOUIS—Gestring Wagon Co., 1718 N B'way
Linstroth Wagon Co. ("Linstroth," "Pride of St. Louis"), 2616 Chouteau av
Luedingnaus-Espenschied Wagon Co. ("Luedinghaus"), 1717 N B'way
Weber & Damme Wagon Co., 1619 N B'way
SPRINGFIELD—Springfield Wagon Co.

NEW YORK.

HOLLAND—Tanner D. F.
HOOSICK FALLS—Wood Walter A. Mowing & Reaping Machine Co.
MORAVIA—Cady Geo. S. & Son ("Walker")
OLEAN—New Conklin Wagon Co.
OWEGO—Champion Wagon Co. ("Owego")

NORTH CAROLINA.

HICKORY—Piedmont Wagon & Mfg. Co.
WILSON—Hackney Wagon Co. ("Hickory")
WINSTON-SALEM—Nissen Geo. H. & Co.

OHIO.

CINCINNATI—Bode Wagon Co. ("Bode") 1655 Central av
DEFIANCE—Turnbull Wagon Co. ("Turnbull")
MARIETTA—Ohio Valley Wagon Co. ("Marietta")
TROY—Troy Wagon Works Co. ("Troy"), 100 East Race
ZANESVILLE—Brown Mfg. Co. ("Brown")

PENNSYLVANIA.

BROOKVILLE — Brookville Mfg. Co. ("Brookville")
COLUMBIA—Columbia Wagon Co. ("Columbian," "Eli")
ELIZABETHVILLE—Swab Wagon Co.
EMIGSVILLE—Acme Wagon Co. ("Little Gem," "Acme")
OIL CITY—Kramer Wagon Co. ("Kramer," "Oil City")
PHILADELPHIA — Rech-Marbaker Co., Dept. H, 8th & Girard av

TENNESSEE.

CHATTANOOGA—Chattanooga Wagon Co. ("Chattanooga"), East Lake
MEMPHIS—James & Graham Wagon Co. ("James & Graham"), 788 S Dudley

TEXAS.

BRENHAM—Schuerenberg F. W. ("Schuerenberg")

VIRGINIA.

LYNCHBURG — Thornhill Wagon Co. ("Thornhill")
MARION—Look & Lincoln ("Look & Lincoln")
SOUTH BOSTON—Virginia Wagon Co.

WEST VIRGINIA.

MARTINSBURG—Auburn Wagon Co. ("Auburn," "New South")

WISCONSIN.

FOND DU LAC—Sweet B. F. & H. L. Co.
FORT ATKINSON—Northwestern Mfg. Co. ("Northwestern")
GRAND RAPIDS—MacKinnon F. Mfg. Co.
JEFFERSON—Vaughn Mfg. Co. ("Jefferson")
KENOSHA—Bain Wagon Co. ("Bain")
KIEL—Kiel Machine Co.
LA CROSSE—Smith Mfg. Co. ("La Crosse," "Smith," "Pioneer")
OSHKOSH—Streich A. & Bro. Co. ("Streich")
RANDOLPH—Randolph Wagon Works
STOUGHTON—Mandt Wagon Co. ("Mandt," "Crescent")
Stoughton Wagon Co. ("New Stoughton")

16567—*Wagons (Farm, Electric)

Electric Wheel Co., Station D, Quincy, Ill.
See adv index at end of book

16568—Wagons (Freight, Teaming, Etc.)

Abresch Chas. Co., 398 4th, Milwaukee, Wis.
Auburn Wagon Co., Martinsburg, W. Va.
Bain Wagon Co. (Heavy), Kenosha, Wis.
International Harvester Company of America (Inc.) (Weber), Harvester bldg, Chicago, Ill.
Kiel Machine Co., Kiel, Wis.
Knapheide Henry Wagon Co., Quincy, Ill.
Leonhardt Wagon Mfg. Co., 417 E Saratoga, Baltimore, Md.
MacKinnon F. Mfg. Co., Grand Rapids, Wis.
Menasha Wood Split Pulley Co. ("Lawson"), Menasha, Wis.
Owensboro Wagon Co., Owensboro, Ky.
Pekin Wagon Co., Pekin, Ill.
Racine-Sattley Co., Springfield, Ill.
Schuttler Peter Co., 2509 W 22d, Chicago, Ill.
Streich A. & Bro. Co., Oshkosh, Wis.
Studebaker Corp., South Bend, Ind.
Tiffin Wagon Co., Tiffin, O.
Troy Wagon Works Co. ("Troy"), 100 East Race, Troy, O.
White Hickory Wagon Mfg. Co., East Point, Ga.
Winona Wagon Co., Winona, Minn.
Woeber Car & Mfg. Co., Denver, Colo.

16569— Wagons (Fruit)

Acme Wagon Co., Emigsville, Pa.
MacKinnon F. Mfg. Co., Grand Rapids, Wis.

16570— Wagons (Garbage)

Columbia Wagon Co., Columbia, Pa.
Eagle Wagon Works ("Glen"), Auburn, N. Y.
Holzbog G. H. & Bro. (Odorless, all Steel), Jeffersonville, Ind.
Lee Trailer & Body ("Lee" Municipal Type), 2343 S La Salle, Chicago, Ill.

Leonhardt Wagon Mfg. Co., 417 E Saratoga, Baltimore, Md.
Shadbolt Mfg. Co. (Dumping), 68 Flushing av, Brooklyn, N. Y.
Streich A. & Bro. Co., Oshkosh, Wis.
Studebaker Corp., South Bend, In.
Tiffin Wagon Co. (Steel Bucket Dumping Cart), Tiffin, O.
Troy Wagon Works Co. ("Troy"), 109 East Race, Troy, O.

16571— Wagons (Goat)

Sheboygan Coaster & Wagon Works (Buckboard), Sheboygan, Wis.
White Hickory Wagon Mfg. Co., East Point, Ga.

16572— Wagons (Grading)

Eagle Wagon Works ("Glen"), Auburn, N. Y.
Watson Wagon Co., Canastota, N. Y.

16573— Wagons (Hardware)

Studebaker Corp., South Bend, Ind.

16573a—*Wagons (Heavy Freighting)

ELECTRIC WHEEL CO., Station D, Quincy, Ill.
See adv index at end of book

16574— Wagons (Hose)

See also Fire Engines, Motor
International Motor Co., 264 W 64th, New York
Kramer Wagon Co., Oil City, Pa.
Maxim Motor Co., Middleboro, Mass.
Pirsch Peter & Co. (Combination), Kenosha, Wis.
Seagrave Co., Columbus, O.
Stewart A. F., Rochester, N. Y.

16575— Wagons (Ice)

Abresch Chas. Co., 398 4th, Milwaukee, Wis.
Hess Carriage Co., Hagerstown, Md.
Koening & Luhrs Wagon Co., Quincy, Ill.
Leonhardt Wagon Mfg. Co., 417 E Saratoga, Baltimore, Md.
Martin-Parry Corp., York, Pa.
Owensboro Wagon Co., Owensboro, Ky.
Streich A. & Bro. Co., Oshkosh, Wis.
Studebaker Corp., South Bend, Ind.
Winkler Mfg. Co., 29 Hydraulic av, South Bend, Ind.

16576—Wagons (Larry Coke)

Atlas Car & Mfg. Co., Cleveland, O.
See adv index at end of book
Bartlett & Snow Co., C. O., 6350 Harvard av, Cleveland, O.
See adv index at end of book
Phillips Mine & Mill Supply Co., 2227 Jane, Pittsburgh, Pa.

16577— Wagons (Laundry)

Armleder O. Co., 12th & Plum, Cincinnati, Ohio
Koening & Luhrs Wagon Co., Quincy, Ill.
Leonhardt Wagon Mfg. Co., 417 E Saratoga, Baltimore, Md.
Woeber Car & Mfg. Co., Denver, Colo.

16578— Wagons (Logging)

Chattanooga Wagon Co., East Lake, Chattanooga, Tenn.
Electric Wheel Co., Station D, Quincy, Ill.
See adv index at end of book
Florence Wagon Co., Florence, Ala.
Fort Smith Wagon Co., Ft. Smith, Ark.
Hemming Wagon Co., Meridian, Miss.
International Harvester Company of America (Inc.), ("Weber"), Harvester bldg, Chicago, Ill.
Knapheide Henry Wagon Co., Quincy, Ill.
Laurel, Miss.
Kramer Wagon Co. ("Kramer"), Oil City, Pa.
Lindsey Wagon Co. (Eight Wheels, etc.), Laurel, Miss.
Luedinghous-Espenschied Wagon Co., 1717 N B'way, St. Louis, Mo.
Mississippi Valley Mfg. Co., Quincy, Ill.
Nissen Geo. E. & Co., Wiston-Salem, N. C.
Owensboro Wagon Co., Owensboro, Ky.
Phoenix Mfg. Co., Eau Claire, Wis.
Schuttler Peter Co. 2509 W 22d, Chicago, Ill.
Schwartz Jos. Co., Ltd., 548 Baronne, New Orleans, La.
Springfield Wagon Co. ("Springfield"), Springfield, Mo.
Studebaker Corp., South Bend, Ind.
Tiffin Wagon Co., Tiffin, O.
Troy Wagon Works Co. ("Troy"), 100 E Race, Troy, O.
White Hickory Wagon Mfg. Co., East Point, Ga.

16579— Wagons (Lumber)

Brown Bros. Co., 11 B'way, New York
Florence Wagon Co., Florence, Ala.
Fort Smith Wagon Co., Fort Smith, Ark.
Hemming Wagon Co., Meridian, Miss.
Kramer Wagon Co. ("Kramer"), Oil City, Pa.
Leonhardt Wagon Mfg. Co., 417 E Saratoga, Baltimore, Md.
Lindsey Wagon Co., Laurel, Miss.
Michigan Truck & Lumber Co., Holly, Mich.
Pekin Wagon Co., Pekin, Ill.
Streich A. & Bro. Co. (Also Roll-Off Lumber Wagons), Oshkosh, Wis.
Sweet B. F. & H. L. Co. ("Sweet's" Patent Dumping), Fond du Lac, Wis.
White Hickory Wagon Mfg. Co., East Point, Ga.

16580— Wagons (Lunch)

Alliance Mfg. Co., Streator, Ill.
Hennigan J. G. E., 11 Olga av, Worcester, Mass.
Tierney P. J. Sons, New Rochelle, N. Y.
O'Mahony Jerry, Inc., 70 Boulevard, Bayonne, N. J.
Winkler Mfg. Co., 29 Hydraulic av, South Bend, Ind.

16581— Wagons (Meter, Motor Driven)

General Vehicle Co. ("G-V" Electric), Long Island City, N. Y.

16582— Wagons (Milk)

Abresch Chas. Co., 398 4th, Milwaukee, Wis.
Burg L. Carriage Co., Dallas City, Ill.
Cooper A. A. Wagon & Buggy Co. (Low Down), Dubuque, Ia.
Hess Carriage Co., Hagerstown, Md.
Martin-Parry Corp. (Also Low Down), York, Pa.
Moline Plow Co., Moline, Ill.
Northwestern Mfg. Co., Fort Atkinson, Wis.
Parsons Wagon Co. (Low Down), Earlville, N. Y.
Stoughton Wagon Co., Stoughton, Wis.
Studebaker Corp'n (Also Low Down), South Bend, Ind.
Vaughn Mfg. Co., Jefferson, Wis.
Winkler Mfg. Co., 29 Hydraulic av, South Bend, Ind.

16583— Wagons (Mountain)

Bain Wagon Co., Kenosha, Wis.
Cooper A. A. Wagon & Buggy Co., Dubuque, Iowa
Deere John Plow Co., 2204 N B'way, St. Louis, Mo.
Deere John Wagon Works (Also One Horse), Moline, Ill.
Emerson-Brantingham Co. ("Newton"), Rockford, Ill.
Kramer Wagon Co. ("Kramer"), Oil City, Pa.
Moline Plow Co., ("Mandt"), Moline, Ill.
Studebaker Corp., South Bend, Ind.
Velie Carriage Co., Moline, Ill.

16584—Wagons (Oil & Pipe)

Abresch Chas. Co., 398 4th av, Milwaukee, Wis.
International Harvester Company of America (Inc.), ("Weber"), Harvester bldg, Chicago, Ill.
Kramer Wagon Co. ("Kramer"), Oil City, Pa.

16585—Wagons (Ore, Coal & Mining)

Akron Cultivator Co. (Steel), Akron, O.
Connelsville Machine & Car Supply Co. (Pit), Connelsville, Pa.
Honhorst Joseph Co. (Coal), 1916 W 6th, Cincinnati, O.
Schuttler Peter Co. 2509 W 22d, Chicago, Ill.
Studebaker Corp., South Bend, Ind.
Turl Iron & Car Co., Inc., The, 50 Broad, New York. Works: Newburgh, N. Y.

16586— Wagons (Police & Fire Patrol)

Abresch Chas. Co., 398 4th, Milwaukee, Wis.
Foamite-Childs Corporation, 101 Turner, Utica, N. Y.
Fulton & Walker Co., 20th & Filbert, Phila., Pa.
Leonhardt Wagon Mfg. Co., 417 E Saratoga, Baltimore, Md.
Stewart A. F., Rochester, N. Y.

16587— Wagons (Pump, Motor Driven)

General Vehicle Co. ("G. V." Electric), Long Island City, N. Y.

16588—Wagons (Rural Mail)

Burg L. Carriage Co., Dallas City, Ill.
Butler Co., Butler, Ind.
Cooper A. A. Wagon & Buggy Co., Dubuque, Ia.
Deere Jno. Plow Co., 2204 N B'way, St. Louis, Mo.
Lewis & Neville Mfg. Co., Goshen, Ind.
Martin-Parry Corp., York, Pa.
Studebaker Corp., South Bend, Ind.

16589-90—Wagons (School)

Lewis & Neville Mfg. Co., Goshen, Ind.
Parry Mfg. Co., Indianapolis, Ind.

16591—Wagons (Spreading & Haulage, Reversible)

Buffalo-Pitts Co., 27 Carolina, Buffalo, N. Y.
Troy Wagon Works Co. (For Road Building), 100 E Race, Troy, Ohio
Universal Road Machinery Co., Kingston, N. Y.
Western Wheeled Scraper Co. (Spreading & Haulage), Aurora, Ill.

16592— Wagons (Spring)

Acme Wagon Co., Emigsville, Pa.
Ames-Dean Carriage Co., Jackson, Mich.
Auburn Wagon Co., Martinsburg, W. Va.
Banner Buggy Co., 1310 S 13th, St. Louis, Mo.
Brown Carriage Co., 1630 Gest, Cincinnati, Ohio
Burg L. Carriage Co., Dallas City, Ill.
Burlington Buggy Co., Burlington, Ia.
Columbia Wagon Co., Columbia, Pa.
Cooper A. A. Wagon & Buggy Co., Dubuque, Ia.
Defiance Carriage Co., Defiance, O.
Delker Bros. Buggy Co., Henderson, Ky.
Eckhart Carriage Co., Auburn, Ind.
Emerson-Brantingham Co. ("E. B."), Rockford, Ill.
Enger Frank J., Clermont bldg, Cincinnati, O.
Eureka Co., Rock Falls, Ill.
Fuller Buggy Co., Jackson, Mich.
Hercules Corp., Evansville, Ind.
Holzbog G. H. & Bro. (& Special), Jeffersonville, Ind.
Kratzer Carriage Co., Des Moines, Ia.
Lull Carriage Co., Kalamazoo, Mich.
Luth Carriage Co., 1275 Budd, Cincinnati, Ohio
McFarlan Motor Co., Connersville, Ind.
Martin-Parry Corp., York, Pa.
Miller Wagon Co., Edina, Mo.
Moline Plow Co. ("Henney"), Moline, Ill.
Moon Bros. Carriage Co., Gano & McKissock, St. Louis, Mo.
Northwestern Mfg. Co., Fort Atkinson, Wis.
Noyes Carriage Co., Elkhart, Ind.
Parry Mfg. Co., Indianapolis, Ind.
Paterson W. A. Co., Flint, Mich.
Phoenix Carriage Co., 901 Evans, Cincinnati, O.
Prouty & Glass Carriage Co., Wayne, Mich.
Rex Buggy Co., Connersville, Ind.
Sechler D. M. Implement & Carriage Co., Moline, Ill.
Stoughton Wagon Co., Stoughton, Wis.
Studebaker Corp'n, South Bend, Ind.
Swab Wagon Co., Elizabethville, Pa.
Tanner D. F., Holland, N. Y.
Trailmobile Co., 31st & Robertson, Cincinnati, Ohio
Velie Carriage Co., Moline, Ill.
Wayne Works, Richmond, Ind.

16593— Wagons (Stave)

Strait H. N. Mfg. Co., Shawnee, Adams & Baird, Kansas City, Mo.

16594-5— Wagons (Steel)

Electric Wheel Co., Station D, Quincy, Ill.
See adv index at end of book
International Harvester Co. of America (Inc.), ("Weber"), Harvester bldg, Chicago, Ill.
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Litchfield Mfg. Co., Waterloo, Ia.
MacKinnon F. Mfg. Co. ("Steel King" Bottom Dump), Grand Rapids, Wis.

16596— Wagons (Sugar)

Blymyer Iron Works Co., Cincinnati, O.
Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Electric Wheel Co. (Also Sugar Cane Carts), Station D, Quincy, Ill.
See adv index at end of book

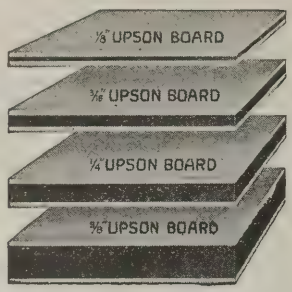
16597— Wagons (Tank)

Bollwerk H. & Bro. (Round & Square Tank), St. Louis, Mo.
Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Columbian Steel Tank Co. (Oil Delivery), New England bldg, Kansas City, Mo.
Littleford Bros., 444 E Pearl, Cincinnati, O.

16598— Wagons (Tea)

Bailic Basket Co., 165 Beacon, Boston, Mass.
Haberkorn C. H. Co., 1327 W Elizabeth, Detroit, Mich.
Hand Made Furniture Shop, 426 Armour, Chicago, Ill.
Martin-Parry Corp., York, Pa.

(Continued on following page)



Dependable Upson Board is made in four thicknesses, several widths, and many lengths.

A Size and Thickness for Every Purpose

To make Upson Board the board of a hundred uses for use in a thousand different ways, there's a size and thickness for every conceivable purpose. The most complete line of wall board made!

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Thus the *little* difference in price does not measure the *big* difference in quality.

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THE UPSON COMPANY, *Fibre Board Authorities*, LOCKPORT, N.Y.

Wagons (Tea)—Continued

Mutual Mfg. Co., Dayton, O.
Nichols Electric Furniture Co. ("Lady Maid" Electric), Bennington, Vt.
Orinoco Furniture Co., Columbus, Ind.
Rattan Mfg. Co. ("R. M. C." Reed), 552H State, New Haven, Conn.

Wagons (Tower)

See Wagons (Trolly Line Repair)

16599-16600—Wagons (Trolley Line Repair)

Briggs Carriage Co., Amesbury, Mass.
Chase Motor Truck Co. ("Chase" Gasoline), Syracuse, N. Y.
General Vehicle Co. ("G-V" Electric), Long Island City, N. Y.
Leonhardt Wagon Mfg. Co., 417 E Saratoga, Baltimore, Md.
McCardell J. R. & Co. ("Trenton"), Trenton, N. J.

16601-2—Wagons (Turpentine)

White Hickory Wagon Mfg. Co., East Point, Ga.

16603—Wagons (Wire Nail)

Howe Scale Co., Rutland, Vt.

16603a— Wainscoting

Am. Mosaic & Tile Co., Dept. H, Louisville, Ky.
Art Metal Construction Co. (Steel), Jamestown, N. Y.
Structural Slate Co. (The) (Slate Only), 101 Marietta, Pen Argyl, Pa. (With Natural Slate Blackboard Co., Penn Argyl)
See adv index at end of book
Structural Stone Co., Hubbard, Ohio
Vitrolite Co., Chamber of Commerce, Chicago, Ill.

16604— Walkers (Baby)

Baker J. R. & Sons Co., Kendallville, Ind.
Glascock Bros. Mfg. Co, Muncie, Ind.
Perfection Mfg. Co., 2701 N Leffingwell av, St. Louis, Mo.
Steinfeld Bros., 116 W 22d, New York
Tothill W. S., 1815 Webster av, Chicago, Ill.
Uhlen Carriage Co., Rochester, N. Y.

16605— Wall Boards

See also Plaster Boards, Slabs, etc.

American Insulation Co., Nicetown, Phila., Pa *See adv index at end of book*
Asbestos Shingle, Slate & Sheathing Co. ("Linabestos" Asbestos), Ambler, Pa.
Beaver Board Companies ("Beavertone" & "Bestwall"), Beaver rd, Buffalo, N. Y.
Bird & Son ("Neponset"), East Walpole, Mass.
Bishopric Mfg. Co. ("Bishopric" Bases for Stucco & Plaster), 5 Este av, Cincinnati, Ohio
Buttonlath Mfg. Co. ("Peters"), Vernon & Boyle avs, Los Angeles, Cal.
Buttress Mfg. Co., 7110 S Alameda, Los Angeles, Cal.
Cal. Cedar Products Co. ("Duro"), Stockton, Cal.
Compo-Board Co. ("Compo-Board"), 44th & Lyndale avs, Minneapolis, Minn.
Consolidated Plaster Lath & Wall Board Co., 5829 Compton av, Los Angeles, Cal.
Cornell Wood Products Co. ("Cornell" Wood), 190 N State, Chicago, Ill. Ill.
EDWARDS MFG. CO. 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
Gair Robert Co., 350H Madison av, New York
Graham Paper Co. (Paper), 11th & Spruce, St. Louis, Mo.
Heppes Roofing Division, The Richardson Co. ("Utility" Fibrous Waterproof), Lockland, O.
Hicks Dovetail Lath Co., Inc. ("Dovetail"), San Fernando bldg, Los Angeles, Cal.
Hoff Magnesite Co. ("Hoffite Asbestos"), 333 Monadnock bldg, San Francisco, Cal.
Key-Hold Lath Co. ("Liberty"), 148 Hooper, San Francisco, Cal.
Klinch Lath Corp., 1861 E 53rd, Los Angeles, Cal.
Kramig R. E. & Co., 8th & Eggleston av, Cincinnati, O.
Lampson Lumber Co., 167 Water, New Haven, Conn.
MacAndrews & Forbes Co. ("Fibertic"), 200 5th av, New York
Mueller Lumber Co., Davenport, Ia.
National Fibreform Co. ("Granitite"), 16th & Arkansas, San Francisco, Cal.
NATIONAL MILL & LBR. CO. ("Pacific Five Ply" Wood Core), 320 Market, San Francisco, Cal., and 2 Rector, New York
National Wall Board Co., 534 Battery, San Francisco, Cal.
Pantasote Co. ("Homasote"), 11 Broadway, New York
Paraffin Co.'s., Inc. ("Pabco"), 375 Brannan, San Francisco, Cal.
Plastergon Wall Board Co. ("Plastergon" Treated Wood Fibre), 196 Philadelphia av, Buffalo, N. Y.
Prever Lumber Co., 250-252 W 23d, New York
Roberds Mfg. Co. ("Ideal"), Marion, Ind.
Rockford Paper Box Board Co., Rockford, Ill.
Rubens Paint & Glass Co., Inc., Richmond, Va.
Sackett Plaster Board Co. ("Sackett's"), 1170 B'way, New York
Schumacher Wall Board Co. ("S. W. B."), 5802 S San Pedro, Los Angeles, Cal.
Stearns A. T. Lumber Co., 100 Taylor, Boston, Mass.
See adv index at end of book
Union Insulating & Construction Co., 608 S Dearborn, Chicago, Ill.
United States Gypsum Co. ("Sheetrock," **"Adamant"), 205 W. Monroe, Chicago**
UPSON CO. ("Upson Processed"), Lockport, N. Y. *See adv index at end of book*
Washington Building Products Co. ("Washington"), 6851 E Marginal Way, Seattle, Wash.
Western Builders' Supply Co., 135 2d, San Francisco, Cal.
Western Wallboard Co. ("Perfection"), 4527 9th av S, Seattle, Wash.

16606— Wall Coverings

American Materials Co. ("Elastica" Magnesite Exterior), 101 Park av, New York
Art Stucco Materials Co. Inc. ("Elastica," Exterior), 12854 Oakland av, Detroit, Mich.
Beck Fr. & Co. ("Lincrusta Walton"), 13 W 48th, New York
Chase L. C. & Co. ("Chase Leatherwove" Leather Substitute), 89 Franklin, Boston, Mass.
Cott-a-lap Co., Somerville, N. J.
Fiberlic Co., Camden, N. J.
Goodlatte T. R. & Sons Inc. ("Walcloth"), Delawanna av, Delawanna, N. J.
Humphrys' R. A. Sons (Canvas), 1026 Callowhill, Phila., Pa.
See adv index at end of book
Lincrusta-Walton Co. ("Lincrusta Walton"), Hackensack, N. J.
Patton Paint Co. ("Alba Lux" White Light), Milwaukee, Wis.
Richter Mfg. Co. ("Tapestrolea" Burlaps & Canvas), Tenafly, N. J.
Standard Textile Products Co. ("Sanitas," Washable), 320H B'way, New York
Wiggins H. B. Sons Co. ("Fab-Ri-Ko-Na"), Bloomfield, N. J.

16607— Wall Finish

Adams & Elting Co. ("Naples Velvet Finish" Washable), 1835 Seward, Chicago
Alabastine Co. ("Alabastine"), Grand Rapids, Mich.
American Soapstone Finish Co. (Soapstone), Chester Depot, Vt.
Arlington Mfg. Co. ("Richtone," "More-Lyte"), Canton, Ohio
Boydell Bros. White Lead & Color Co. ("Washable," "Sof-Tone" for Walls, Radiators, Ceiling, Wood, Metal, etc.), 432 E Lafayette, Detroit, Mich.
Cardiff Gypsum Plaster Co. ("Kalloite"), Fort Dodge, Iowa
FOX M. EWING CO. ("Muralite" & "Calcitine"), 241 E 136th, New York
Hockaday Co., 1831 Carroll, Chicago, Ill.
Lawrence W. W. & Co. ("Dresden" Cold Water & "Dresden" Flat Finish), W Carson, Pittsburgh, Pa.
Manhattan Color Works ("Fres-Ko-Kote"), 1035 Kelly, New York
Moore Benjamin & Co. ("Muresco"), 231 Front, Brooklyn, N Y.
Muralo Company ("Calcino"), Richmond Terrace, New Brighton, Boro. of Richmond, N. Y.
O'Brien Varnish Co. ("Liquid Velvet"), South Bend, Ind.
Ohio & Western Lime Co. ("Lion" Brand Rock Wall Finish), Huntington, Ind.
Patton Paint Co., Milwaukee, Wis.
Pierce F. O. Co. ("Sancota," "Pieresco"), 12 W B'way, New York
St. Paul White Lead & Oil Co. ("Lion"), Water & Starkey, St. Paul, Minn.
Schrader, Whittick & Co., 1318 Clybourne av, Chicago, Ill.
Simmons, Gardner Co. ("Craftex"), 146 Summer, Boston, Mass.
Standard Varnish Wks. ("Flattine"), 443H 4th av, New York
Tropical Paint & Oil Co. ("Tocotone," "Toconamel"), W 70th, Cleveland, O.
Troy Cold Water Kalsomine Co., Troy, N. Y.
Truscon Laboratories ("Asepticote" Interior Flat), Caniff & G. T. RR., Detroit, Mich.
United States Gypsum Co. ("Adamant," "Imperial," "Ivory," "Granite," "Rock," "Alabaster," "Universal," "Silico"), 205 W Monroe, Chicago, Ill.
Wasem Plaster Co. ("Monarch"), Ft. Dodge, Ia.
Woodville Lime Products Co. (White Enamel, White Lily Finish and Gold Medal Finish), 622 Madison av, Toledo, Ohio
Yarnall Paint Co. ("Marbloid," Washable), 1026 Race, Phila., Pa.

16608— Wall Finish (Imitation Stone)

National Fibreform Co. ("Granitite"), 16th & Arkansas, San Francisco, Cal.
United States Gypsum Co. (Caen Stone), 205 W Monroe, Chicago, Ill.

16609—Wall Paper (Fire-Proof)

Ehret Magnesia Mfg. Co., Valley Forge, Pa.

16610— Wall Paper Mfrs.

Art Wall Paper Mills, 2414 W 21st, Chicago, Ill.
Baeck Wall Paper Co., 233 37th, Brooklyn, N. Y.
Bailey Wall Paper Co., 1915 W 96th, Cleveland, O.
Barnes Rudolph & Co., York, Pa.
Becker, Smith & Page, (Inc.), Snyder av & Water, Phila., Pa.
Birge M. H. & Sons Co., 390 Niagara, Buffalo, N. Y.
Bosch Hy Co., 525 S Wabash av, Chicago, Ill.
Campbell Wm. Wall Paper Co., Hackensack, N. J.
Chicago Wall Paper Mill, Steubenville, O.
Cott-a-lap Co., Somerville, N. J.
Gilbert Wall Paper Co., York, Pa.
Graves Robert Co., 171 W 57th, New York
Hobbs Robt. Wall Paper Co., Hackensack, N. J.
Imperial Wall Paper Co., Glens Falls, N. Y.
Janeway & Carpenter, New Brunswick, N. J.
Joliet Wall Paper Mills, Joliet, Ill.
Kayser & Allman, 1522 Chestnut, Phila., Pa.
Peats Alfred Co., 25 S Wabash av, Chicago, Ill.
Pittsburgh Wall Paper Co., New Brighton, Pa.
Plattsburg Wall Paper Co, Plattsburg, N. Y.
Quaker City Wall Paper Co., E Thompson & E Westmoreland, Phila., Pa.
Sears Roebuck & Co. (Wall Paper Mill), Arlington & Homan av, Chicago, Ill.
Standard Wall Paper Co., Hudson Falls, N. Y.
Star-Peerless Wall Paper Mills, Joliet, Ill.
Strahan Thos. Co., Chelsea, Mass.
Sun Wall Paper Mfg. Co., Reading, Pa.
Thibaut Richard E. (Job), 269 Madison av, New York
Vornhold Wall Paper Co., Kennedy & Garden, Phila., Pa.
Wallace Wall Paper Co., Cortland, N. Y.
York Card & Paper Co., York, Pa.
York Wall Paper Co., York, Pa.

16611—Wallets (Bank Messengers')

Bates Bros. Co., Athol, Mass.
Boston Pocket Book Co., 169 Massachusetts av, Boston, Mass.
Dawson Mfg. Co., 312 N 2nd, St. Louis, Mo

16611a—Wardrobe Cabinets

See also Cabinets (Wardrobe)

DURABILT STEEL LOCKER CO., Aurora, Ill.
See adv index at end of book

16611b— Wardrobe Lockers

See also Lockers (Wardrobe)

DURABILT STEEL LOCKER CO., Aurora, Ill.
See adv index at end of book

16612— *Wands (Calisthenic)

Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

16612a—Wardrobes (Clothing)

Evans W. L. ("Vanishing Door"), Washington, Ind.
Grand Rapids Show Case Co. ("New Way Crystal" Wood), Grand Rapids, Mich.
Hart & Hutchinson Co. ("H. & H." Steel), Corbin av, New Britain, Conn.
Heller P. A. & Sons, 213 State, Detroit, Mich.
Himmel M. L. & Son ("Brilliant Ideal"), 113 Gay, Baltimore, Md.
Louck & Hill Co. (& Wooden Lockers), Richmond, Ind.
Red Cedar Corp., 562 Bryant, San Francisco, Cal.
Wilson J. G. Corp., 11 E 36th, New York

16613— Wardrobes (Office)

Art Metal Construction Co., Jamestown, N. Y.
Dahlstrom Metallic Door Co. (Artistically Finished Rodent & Fireproof), 413 Buffalo, Jamestown, N. Y.
See adv index at end of book
Dexter Metal Mfg. Co. (Steel), 93 Arch, Camden, N. J.
Dunham Thomas Co., 248 Cleveland av, Aurora, Ill.
Hart & Hutchinson Co. ("H. & H." Steel), Corbin av, New Britain, Conn.
Wilson, J. G. Corp'n., 8 E 40th, New York

16614— Wardrobes (Steel, Fireproof)

Art Metal Construction Co., Jamestown, N. Y.
Central Metal Products Co. ("C. M. P."), Canton, Ohio
DAHLSTROM METALLIC DOOR CO., 413 Buffalo, Jamestown, N. Y.
See adv index at end of book
Dexter Metal Mfg. Co. (Steel), 93 Arch, Camden, N. J.
Erie Metal Furniture Co. ("Safe Tee" & Chests), Erie, Pa.

16615— Wardrobes (Ventilated, School & Hotel)

See also Lockers, Metallic

Dexter Metal Mfg. Co. (Steel), 93 Arch, Camden, N. J.
Dodge H. B. & Co., 332 S Michigan av, Chicago, Ill.
Grant Pulley & Hardware Co., 101 Park av, New York
Hart & Hutchinson ("H. & H."), Corbin av, New Britain, Conn.
Nelson H. W. ("Univent"), Moline, Ill.
SMITH F. P. WIRE & IRON WORKS, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Terrell's Equipment Co., Grand Rapids, Mich.
Union Blind & Ladder Co. Inc. ("Acme" Wood Rolling Doors for School Wardrobe Fronts), 3535 Peralta, Oakland, Cal.
See adv index at end of book
Wilson J. G. Corp., 11 E 36th, New York

Warehouse Trucks

See Trucks (Store, Warehouse & Factory)

16615a— Warmers (Batch)

Combustion Utilities Corp, 8-10 Bridge, New York
Crandall-Pettee Co., 144 Franklin, New York
Wood & Selick, 36 Hudson, New York
York Mfg. Co., York, Pa.

16616—Warmers (Milk, Electric)

Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

16617—Warmers (Plate, for Hotels, Etc.)

(Names with * also manufacture Monel Metal)

*Beckley Perforating Co., Garwood, N. J.
*Cleveland Wire Cloth Co., Cleveland, O.
*Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
Hutchinson Bros., 5 So Howard, Baltimore, Md.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp. C. O., Southport, Conn.
*Magosy & Buscher, 232 Canal, New York
*Munning & Co. A. P., Matawan, N. J.
Prometheus Electric Co. (Electric), 358 W 13th, New York
Sexton S. B. Stove & Mfg. Co., 500 W Conway, Baltimore, Md.
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co. John P., New Haven, Conn.
*Steel Products Mfg. Co., Cicero, Ill.
Surface Combustion Co., The, 334 Gerard av, Bronx, New York
See adv index at end of book
*Taylor Disc Co., Mansfield, O.
*Tyler Co. W. S., Cleveland, O.

16617a— *Wash Trays

Buffalo Wash Tray Works, 601 Tonawanda, Buffalo, N. Y.
Stanley Works, New Britain, Conn.
See adv index at end of book

16618— Washboard Mfrs.

Ashboro Wheelbarrow Co., Ashboro, N. C.
Ault Wooden Ware Co., Cincinnati, O.
Austell Swing & Ladder Co., Austell, Ga.
Burdett Mfg. Co., Independence rd & Belmont, Kansas City, Mo.
Carolina Washboard Co., Raleigh, N. C.
Cupples Sam'l Woodenware Co., 7th & Spruce, St. Louis, Mo.
Goldstein Jos. (Est. of), 10 Jones, New York
Highland Glass Co. (Glass), Washington, Pa.
Knoxville Tinware Mfg. Co., Georgia & Depot, Knoxville, Tenn.
Lawn John A. ("Easy-Lask"), Lewistown, Pa.
Manhattan Washboard Co. (Glass, Zinc, Coated Steel & Galvanized), 10 Jones, New York
Mississippi Glass Co. (Glass), 220 5th av, New York
Murdock E. Co., Winchendon, Mass.
National Washboard Co. ("Northern Queen," "Brass King," "Town Talk," "Red Cross," "Peerless," "Dawn Protector," "Red Star," "Reliable Metal," "Glass King," "White Hen" Glass), 111 W Washington, Chicago, Ill.
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Stiles H. A. & Co., 166-174 Portland, **Boston, Mass.**
See adv index at end of book
Wabash Screen Door Co., 111 W Washington, Chicago, Ill.
Wetzel P. A. Co. ("Nuwash"), Springfield, Ill.

16619—Washbowls (Sanitary)

General Ceramics Co. ("Phoenix" Porcelain), 50 Church, New York
Maddock's Thos. Sons Co., Trenton, N. J.
Manufacturing Equipment & Engineering Co. ("Meeco" Enameled, Galvanized or Plain Iron for Factories), Framingham, Mass.
Pacific Sanitary Mfg. Co. ("Pacific"), 67 New Montgomery, San Francisco, Cal.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.

16619a—Washer-Scalders (Tomato & Fruit)

JEFFREY MFG. CO., 961 N 4th, Columbus, Ohio. *See adv index at end of book*

16619b— Washers (Acid)

Devine J. P. Co., Buffalo, N. Y
Goetze Gasket & Packing Co., 3 Allen av, New Brunswick, N. J.
See adv index at end of book
Lummus Walter E. Co., 171 Milk, Boston, Mass.

16620— Washers (Air)

American Blower Co., 6004 Russell, Detroit, Mich.
Atmospheric Conditioning Corp. ("Webster"), Lafayette bldg, Phila., Pa.
Badger E. B. & Sons Co., 75A Pitts, Boston, Mass.
See adv index at end of book
Baker Edw. J. & Co., 608 Otis bldg, Chicago, Ill.
BAYLEY MFG. CO. ("Turbo"), 732 Greenbush, Milwaukee, Wis.
Bentz Engineering Corp., 90 West, New York
Brawley T. R. (Pump), 270 20th, Brooklyn, N. Y. *See adv index at end of book*
Buffalo Forge Co., 490 B'way, Buffalo, N. Y.
Carrier Engineering Corp., 750 Frelinghuysen av, Newark, N. J.
Clark Dust Collecting Co., Fisher bldg, Chicago, Ill.

(Continued on following page)

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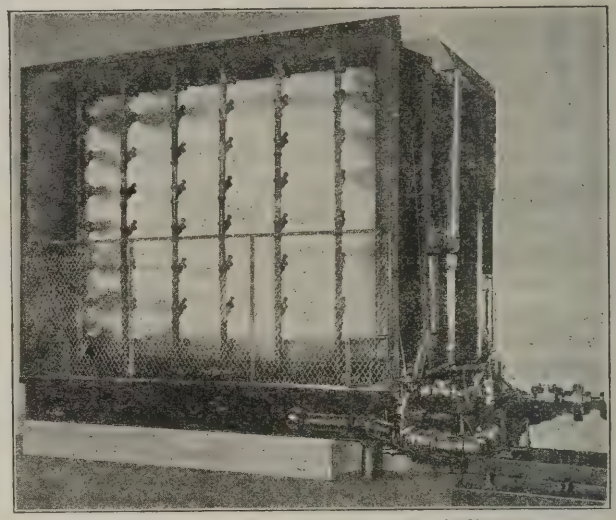
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Standard Washers for Electric Generator duty are designed for a continuous and exacting service.

A special type of non-clog **impact** nozzle is used, these nozzles being mounted in pairs on vertical headers. The flat spray from each nozzle meeting that from the nozzle just above or below is broken up into an extremely dense and uniform cloud which fills the spray chamber. A copper scale arrester is located back of each pair of nozzles, its large area affording long operation without cleaning.

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65,000 CU. FT. PER MINUTE WASHER
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Washers (Air)—Continued

COOLING TOWER CO. INC. (THE) (Open or Closed Systems for Electric Generator Service, Systems for Cooling & Cleansing the Air Supplied to Public Buildings), 15 John, New York
See adv index at end of book

Ill. Electric Ventilating Co., Crawford av, near Diversey blvd, Chicago, Ill.
Keystone Gasket Mfg. Co., 829 N 4th, Phila., Pa. *See adv index at end of book*
MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Mass Blower Co. (For Purifying & Humidifying the Air), Watertown, Mass.
Master Fan Corp, 1327 Channing, Los Angeles, Cal.
Mellish Hayward Co., 213 W Austin av, Chicago, Ill.
Mitchell-Tappen Co., 15 John, New York
Narowetz Heating & Ventg. Co. ("Little Niagara"), 1711 Park, Chicago, Ill.
Nelson James A., Inc., 1375 Howard, San Francisco, Cal.
New York Blower Co. ("Peerless"), Archer av & Canal, Chicago, Ill.
Ozone Pure Airifier Co., 1455 W Congress, Chicago, Ill.
Prentice L. H. Co. (Conditioning & Intitation), 330 Sherman, Chicago, Ill.
Spray Engineering Co. ("Spraco" & Coolers), 62 High, Boston, Mass.
See adv index at end of book
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Western Blower Co., 1800 9th av S, Seattle, Wash.

16621—Washers (Air Brake)

Barwood L. J. Mfg. Co. ("Barwood"), Stoneham 80, Boston, Mass.
See adv index at end of book
Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book
Boston Belting Corp., 80 Elmwood av, Boston, Mass.
Bound Brook Oil-Less Bearing Co. ("Bound Brook," "Nigrum" Oilless), Bound Brook, N. J.
Brawley T. R., 275 20th, Brooklyn, N. Y.
See adv index at end of book
Chicago Rawhide Mfg. Co., The, 1307 Elston av, Chicago
See adv index at end of book
Combination Rubber Mfg. Co., Bloomfield, N. J.
Continental Felt Co. (Pump), 64-66 E 11th, New York
See adv index at end of book
Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
Gasket Supply Co., 1927 Ludlow, Philadelphia, Pa.
See adv index at end of book
Keystone Gasket Mfg. Co., 829 N 4th, Philadelphia, Pa.
See adv index at end of book
Monarch Felt Works (Pump), 39-45H York, Brooklyn, N. Y.
N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
Quadriga Mfg. Co., 213 W Grand av, Chicago
See adv index at end of book
Schacht Rubber Mfg. Co., Huntington, Ind.
Westinghouse Air Brake Co., Pittsburgh, Pa.

16622— Washers (Aluminum)

Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book
Cleveland Wrought Products Co., W 58th St. & W. & L. E. Belt Line, Cleveland, Ohio
Dunbar Bros. Co., 80 South, Bristol, Conn.
See adv index at end of book
ERDLE PERFORATING CO., 171 York, Rochester, N. Y.
See adv index at end of book
Gasket Supply Co., 1927 Ludlow, Philadelphia, Pa.
See adv index at end of book
Hydraulic Press Mfg. Co. ("H. P. M." Hydraulic), 24 Lincoln av, Mount Gilead, O. *See adv index at end of book*
Keystone Gasket Mfg. Co., 829 N 4th, Phila., Pa. *See adv index at end of book*
Massachusetts Machine Shop Inc., 817 Albany, Boston, Mass.
See adv index at end of book
Phoenix Spec. Mfg. Co., Inc., 48 Duane, New York
Quadriga Mfg. Co., 213 W Grand av, Chicago, Ill.
See adv index at end of book
Zeigler Mfg. Co., Alexandria, Ind.

16623— Washers (Axle)

American Nut & Bolt Fastener Co., 3 Ontario, Pittsburgh, Pa.
American Washer Works, 426-428 Smith, Brooklyn, N. Y.
Arguto Oilless Bearing Co. ("Arguto"), 149 Berkley, Wayne Junc., Phila., Pa.
Bardall J. C. Co. (Coiled Leather), Moundsville, W. Va.
Barwood L. J. Mfg. Co. ("Barwood" Leather & Felt), Stoneham 80, Boston, Mass. ***See adv index at end of book***
Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book
Bound Brook Oil-Less Bearing Co. ("Bound Brook"-Less Bearing, "Nigrum" Oilless), Bound Brook, N. J.
Brawley T. R. (Felt), 270 20th, Brooklyn, N. Y. *See adv index at end of book*
Cantrell-Miller Mfg. Co. ("C. & M."), 1246H Larkin, San Francisco, Cal.
Chicago Rawhide Mfg. Co., The (Leather), 1307 Elston av, Chicago
See adv index at end of book
CLEVELAND WROUGHT PRODUCTS CO., THE (Dies for any sized washers required, insuring prompt delivery at the right price), 3400 W 58th, Cleveland, O.
See adv index at end of book
Continental Felt Co., 64-66 E 11th, New York *See adv index at end of book*
Diamond Whip Co. (Coiled Leather), 406 N Curtis, Chicago, Ill
Felters Co. (Felt), 103 Bedford, Boston, Mass.
Fernald Mfg. Co. (Coil & Solid), North East, Pa.
Gasket Supply Co., 1927 Ludlow, Philadelphia, Pa.
See adv index at end of book
Harsh-Miller Mfg. Co. (Coil, for Carriages, etc), Wabash, Ind.
Joliet Wrought Washer Co., 2001 Collins, Joliet, Ill.
Keystone Gasket Mfg. Co., 829 N 4th, Phila., Pa. *See adv index at end of book*
McCarthy T. F., 255 A, So Boston, Mass.
Master Products Co., The, 6410 Park av, Cleveland, Ohio
Monarch Felt Works (Felt), 39-45H York, Brooklyn, N. Y.
Pacific Felt Cutting & Sewing Co. ("Pafesco" Ford Felt), 26G Clementina, San Francisco, Cal.
Quadriga Mfg. Co., 213 W Grand av, Chicago
See adv index at end of book
Wrought Washer Mfg. Co., Milwaukee, Wis.

16624— Washers (Basket)

Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book
Quadriga Mfg. Co., 213 W Grand av, Chicago, Ill.
See adv index at end of book
Tower Mfg. Co., Elm & Commerce, Cincinnati, O.
Wrought Washer Mfg. Co., Milwaukee, Wis.
Zeigler Mfg. Co., Alexandria, Ind.

16625—Washers (Bibcock & Faucet)

Adams C. F. (Leather), Fort Worth, Tex.
Barwood L. J. Mfg. Co. ("Barwood"), Stoneham 80, Boston, Mass.
See adv index at end of book
BARWOOD V. H. MFG. CO. ("Barco"), Lynn, Mass.
See adv index at end of book
Century Brass Wks, Inc., 900 N Illinois, Belleville, Ill.
Chicago Rawhide Mfg. Co., The (Leather), 1307 Elston av, Chicago
See adv index at end of book
Jenkins Bros., 80 White, New York
See adv index at end of book
Quadriga Mfg. Co., 213 W Grand av, Chicago
See adv index at end of book
Woodward-Wanger Co. ("Flexo"), 1106 Spring Garden, Phila., Pa.

16626—Washers (Bone & Fat)

Brecht Co. (Wire Mesh Cylinder), 1201 Cass av, St. Louis, Mo.

16627—Washers (Brass & Copper)

AKRON METALLIC GASKET CO., 142 N Union, Akron, O.
See adv index at end of book
BARNES THE WALLACE CO. ("Barnes-Made" Spring), 18 Wallace, Bristol, Conn. *See adv index at end of book*
Bettcher Stamping & Mfg. Co. (The), Clark av, Cleveland, Ohio
Brass Goods Mfg. Co., 345 Eldert, Brooklyn, N. Y.
Bridgeport Brass Co., Bridgeport, Conn.
Continental Elec. Co., 32 Warren, New York
Dunbar Bros. Co., 80 South, Bristol, Conn.
See adv index at end of book
Erdle Perforating Co., 171 York, Rochester, N. Y. *See adv index at end of book*
EVERITT CO. (Also Bronze), 267 Franklin, Boston, Mass.
See adv index at end of book
Falls Rivet Co., Kent, Ohio
Gasket Supply Co. ("Right" Brass. Copper, Steel, Tin, Zinc, Rubber, etc.; Also Bronze), 1927 Ludlow, Phila., Pa.
See adv index at end of book
Gaynor Mfg. Co. (Brass for Steam Gas & Water Fittings), Bridgeport, Conn.
Goetze Gasket & Packing Co., 3 Allen av, New Brunswick, N. J.
See adv index at end of book
Grammes L. F. & Sons, 311 Union, Allentown, Pa.
See adv index at end of book
Guillott Metal Gasket & Supply Co., 24 S Clinton, Chicago, Ill.
Harry Bros. Mfg. Co., 232 Woodbridge, E Detroit, Mich.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hill-Smith Metal Goods Co. ("H. S." Copper), 82 Brookline av, Boston, Mass.
Hobbs Mfg. Co. ("American Wire"), 26 Salisbury, Worcester, Mass.
Humphrey H. W., Unionville, Conn
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
KALES STAMPING CO., 1680 W Lafayette blvd, Detroit, Mich.
See adv index at end of book
Keystone Gasket Mfg. Co. ("Keystone Excellent") 829 N 4th, Phila., Pa.
See adv index at end of book
Mass. Machine Shop, Inc., 817 Albany, Boston, Mass.
See adv index at end of book

STEEL, BRASS AND COPPER
WASHERS
Standard and Special Sizes.
Quick Deliveries. Try us.
Massachusetts Machine Shop, Inc.
817 Albany St., Boston, Mass.

Master Products Co., The, 6414 Park av, Cleveland, Ohio
Metallo Gasket Co. ("Somerset," "Oxford" Copper), New Brunswick, N. J.
Nelson Tool Co., Inc., 782 E. 142d, New York
New England Screw Co. (Brass Only), 44 Farnsworth, Boston, Mass.
Nolte Screw Machine Products Co., 1526 Freeman av, Cincinnati, Ohio
Pheoli Mfg. Co., 3700 W 12th, Chicago, Ill.
Phoenix Spec. Mfg. Co., Inc., 48 Duane, New York
Plume & Atwood Mfg. Co., Waterbury, Conn.
Quadriga Mfg. Co., 213 W Grand av, Chicago, Ill.
See adv index at end of book
Read A. P. Co., 568 W Washington, Chicago, Ill.
Rome Brass & Copper Co., Rome, N. Y.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
Steele & Johnson Mfg. Co., Waterbury, Conn.
STIMPSON EDWIN B. CO. (All Metals), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
U. S. Indestructible Gasket Co., 831 E 15th, Brooklyn, N. Y.
See adv index at end of book
W. & S. Mfg. Co., Worcester, Mass.
Waterbury Brass Goods Corp., Waterbury, Conn.
Waterbury Mfg. Co., Division Chase Companies, Inc. (Brass), Waterbury, Conn.
Whitman Metal Goods Co. (Brass), Whitman, Mass.
Worcester Stamped Metal Co., 9 Hunt, Worcester, Mass.
Wrought Washer Mfg. Co. (Brass), Milwaukee, Wis.
Zeigler Mfg. Co., Alexandria, Ind.

Washers (Car Box)

See Washers, Fibre, etc

16628—Washers (Cast Iron)

AMERICAN BOLT CORP., Whitehall bldg, New York *See adv index at end of book*
Bethlehem Steel Co., So Bethlehem, Pa.
Bosworth-Ard Machine & Foundry Co., Anniston, Ala.
Buchanan Foundry Co., Lebanon, Pa.
Decatur Cornice & Roofing Co., New Decatur, Ala.
Devine J. P. Co., Buffalo, N. Y.
Drummond Mfg. Co., Louisville, Ky.
Etna Foundry Co., Etna, Pa.
Falls Rivet Co., Kent, O.
Foster Mfg. & Supply Co., 20th & Venango, Phila., Pa.
Gasket Supply Co., 1927 Ludlow, Philadelphia, Pa.
See adv index at end of book
Grammes L. F. & Sons, 311 Union, Allentown, Pa.
See adv index at end of book
Harkins T. B. Foundry Co., Bristol, Pa.
Harry L. C. Co., 114 Liberty, New York
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Indiana Foundry Co., Indiana, Pa.
Iron City Foundry Co., Lebanon, Pa.
Janney & Company, Montgomery, Ala.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
Keagy & Lear Machine Co., Coshocton, O.
Keystone Gasket Mfg. Co., 829 N 4th, Philadelphia, Pa.
See adv index at end of book
Lanz M. Bo.' Co., 2907 Carson, Pittsburgh, Pa.
LARKIN J. K. & CO., 253 B'way, New York *See adv index at end of book*

J. K. LARKIN & CO.
253 Broadway
NEW YORK

Los Angeles Foundry Co., Los Angeles, Cal.
Lummus Walter E. Co. (Chemical), 171 Milk, Boston, Mass.
McDowell Foundry Co., Chicago Heights, Ill.
Moran Bolt & Nut Mfg. Co. 1st & Florida, St. Louis, Mo.
Payne's Bolt Works, 133 Howard, San Francisco, Cal.
Phoenix Specialty Mfg. Co., 48 Duane, New York
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Price-Evans Foundry Co., Anderson av, Chattanooga, Tenn.
Read A. P. Co., 568 W Washington, Chicago, Ill.
Roanoke Iron & Bridge Works, Roanoke, Va.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
ST. PAUL FOUNDRY CO., Como av & Mackubin, St. Paul, Minn.
See adv index at end of book
STARKE'S DIXIE PLOW WORKS, INC. ("O. G."), 1518 E Cary, Richmond, Va.
Western Foundry & Sash Weight Co., 2d & Miller, St. Louis, Mo.
Western Iron & Foundry Co., Wichita, Kan.
Wrought Washer Mfg. Co., Milwaukee, Wis.

16629— Washers (Caster)

Barwood L. J. Mfg. Co. ("Barwood"), Stoneham 80, Boston, Mass.
See adv index at end of book
Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book
Gasket Supply Co., 1927 Ludlow, Philadelphia, Pa.
See adv index at end of book
Iten Fibre Co., 2358 E 67th, Cleveland, O.
See adv index at end of book
Keystone Gasket Mfg. Co., 829 N 4th, Phila., Pa. *See adv index at end of book*
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
Quadriga Mfg. Co., 213 W Grand av, Chicago
See adv index at end of book
SPAULDING FIBRE COMPANY INC. (Hard Fibre), Tonawanda, N. Y.
See adv index at end of book

16629a—Washers (Centering)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

16629b—Washers (Chemical)

Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book
Bethlehem Steel Co., South Bethlehem, Pa.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Devine J. P. Co., Buffalo, N. Y.
Gasket Supply Co., 1927 N Ludlow, Philadelphia, Pa.
See adv index at end of book
Goetz Gasket & Packing Co., New Brunswick, N. J. *See adv index at end of book*
Keystone Gasket Mfg. Co., 829 N 4th, Phila., Pa. *See adv index at end of book*
Lummus Walter E. Co. (Cast Iron, Lead, Lined or Steel Plate), 171 Milk, Boston, Mass.
Pacific Felt Cutting & Sewing Co., 26H Clementina, San Francisco, Cal.
Quadriga Mfg. Co., 213 W Grand av, Chicago
See adv index at end of book

16630— Washers (Cork)

Advance Felt & Cutting Co. ("Advance"), 320H S Jefferson, Chicago, Ill.
Armstrong Cork & Insulation Co. (Natural Cork, "Arco" "Subert" "Acme" "Rubber Cork," "Linoleum"), 24th & A. V. R. R., Pittsburgh, Pa.
Barwood L. J. Mfg. Co. ("Barwood"), Stoneham 80, Boston, Mass.
See adv index at end of book
Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book
Bond Bottle Sealing Co., 501 Monroe, Wilmington, Del.
Bond Mfg. Co., Wilmington, Del.
Felt Products Mfg. Co., 1507 Carroll av, Chicago, Ill.
Gasket Supply Co. ("Right," All Shapes & Sizes; Automobile Shapes a Specialty), 1927 Ludlow, Phila., Pa.
See adv index at end of book
Goetze Gasket & Packing Co., 3 Allen av, New Brunswick, N. J.
See adv index at end of book
Keystone Gasket Mfg. Co., 829 N 4th, Phila., Pa. *See adv index at end of book*
Monarch Felt Works, 39-45H York, Brooklyn, N. Y.
Pacific Felt Cutting & Sewing Co., 26H Clementina, San Francisco, Cal.
Pacific States Mfg. Co., Inc., 60 Natoma, San Francisco, Cal.
Phoenix Spec. Mfg. Co., Inc., 48 Duane, New York
Quadriga Mfg. Co., 213 W Grand av, Chicago
See adv index at end of book
U. S. Indestructible Gasket Co., 831 E 15th, Brooklyn, N. Y.
See adv index at end of book

16630a—Washers (Countersunk)

Keystone Gasket Mfg. Co., 829 N 4th, Phila., Pa. *See adv index at end of book*
Massachusetts Machine Shop (Inc.), 817 Albany, Boston, Mass.
See adv index at end of book
Quadriga Mfg. Co. (For Flat Head Screw), 213 W Grand av, Chicago, Ill.
See adv index at end of book
Zeigler Mfg. Co., Alexandria, Ind.

16330b— *Washers (Dust)

Baker Edw J. & Co., 608 Otis bldg, Chicago

16631— *Washers (Elastic)

Quadriga Mfg. Co., 213 W Grand av, Chicago
See adv index at end of book
Standard Fibre Co. (Flexible Fibre), Miller, Somerville, Mass.

16632— Washers (Felt)

Advance Felt & Cutting Co. ("Advance"), 320H S Jefferson, Chicago, Ill.
American Washer Works, 91 Wallabout, Brooklyn, N. Y.
Bacon Felt Co. ("Bacon"), Winchester, Mass.
BARWOOD L. J. MFG. CO. ("Barwood"), Stoneham 80, Boston, Mass.
See adv index at end of book
BARWOOD V. H. MFG. CO. ("Barco"), Lynn, Mass.
See adv index at end of book
Booth Felt Co. Inc., 473 19th, Brooklyn, N. Y.
Braunsdorf George W., 430 E 53d, New York
BRAWLEY T. R., 270 20th, Brooklyn, N. Y. *See adv index at end of book*

(Continued on following page)

Washers (Countersunk)—Continued

CONTINENTAL FELT CO., 64-66 E 11th, New York *See adv index at end of book*
Felters Co., 103 Bedford, Boston, Mass.
Felt Products Mfg. Co., 1507 Carroll av, Chicago, Ill.
Field R. B. & Co. ("Fieldco"), 12 Clarence, Worcester, Mass.
Gasket Supply Co. ("Right" for Automobile Use), 1927 Ludlow, Phila., Pa.
See adv index at end of book
House Chas. W. & Sons, Unionville, Conn.
Keystone Gasket Mfg. Co., 829 N 4th, Phila., Pa. *See adv index at end of book*
McCarthy T. F., 255 A, So Boston, Mass.
Marston I. G. & Co., 226 Ruggles, Boston, Mass.
Monarch Felt Works, 39-45H York, Brooklyn, N. Y.
Pacific States Mfg. Co., Inc., 60 Natoma, San Francisco, Cal.
Phoenix Spec. Mfg. Co., Inc., 48 Duane, New York
Pierce F. H., 52 Pierce, Hyde Park, Mass.
Quadriga Mfg. Co., 213 W Grand av, Chicago
See adv index at end of book
Star Felt Cutting Co., 260 69th, Brooklyn, N. Y.
Western Felt Works, 4115 Ogden av, Chicago, Ill.

16633— Washers (Fibre)

See also Fibre, Hard

American Washer Works, 91 Wallabout, Brooklyn, N. Y.
Arguto Oilless Bearing Co. ("Arguto"), 149 Berkley, Wayne Junc., Phila., Pa.
BARWOOD L. J. MFG. CO. ("Barwood"), Stoneham 80, Boston, Mass.
See adv index at end of book
BARWOOD V. H. MFG. CO. ("Barco"), Lynn, Mass.
See adv index at end of book
Bettcher Stamping & Mfg. Co., The, Clark av, Cleveland, Ohio
See adv index at end of book
Bound Brook Oil-Less Bearing Co. ("Nigrum" Oilless), Bound Brook, N. J.
Brandywine Fibre Products Co., E Wilmington, Del. *See adv index at end of book*
Braunsdorf Geo. W., 40 E 53d, New York
CHICAGO MICA CO. (Also Mica, All Sizes), Campbell, Valparaiso, Ind.
See adv index at end of book
Cleveland Wrought Products Co., W 58th & W. L. E. Belt Line, Cleveland, O.
Continental Fibre Co. ("Bakelite-Dilecto," & Vulcanized Fibre & "Continental-Bakelite" for All Purposes), Newark, Del.
DELAWARE HARD FIBRE CO. (For All Purposes), Wilmington, Del.
See adv index at end of book
DIAMOND STATE FIBRE CO. (For All Purposes), Dept. 37, Bridgeport, Pa.
See adv index at end of book
Dunbar Bros. Co., 80 South, Bristol, Conn.
See adv index at end of book
Fibre Finishing Co., Tremont bldg, Boston, Mass.
FIBROC INSULATION CO. ("Fibroc"), cor Campbell, Valparaiso, Ind.
See adv index at end of book
Field R. B. & Co. ("Fieldco"), 12 Clarence, Worcester, Mass.
GASKET SUPPLY CO. ("Right" Hard & Soft Fibre for Every Purpose), 1927 Ludlow, Phila., Pa.
See adv index at end of book
ITEN FIBRE CO., 2358 E 67th, Cleveland, Ohio
See adv index at end of book

The ITEN FIBRE CO.
2358 East 67th Street, CLEVELAND, O.
For Electrical and Mechanical Purposes

KEYSTONE GASKET MFG. CO., 829 N 4th, Phila., Pa.
See adv index at end of book
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
Pacific Felt Cutting & Sewing Co. ("Pafesco"), 26H Clementina, San Francisco, Cal.
Pacific States Mfg. Co., Inc., 60 Natoma, San Francisco, Cal.
Phoenix Spec. Mfg. Co., Inc., 48 Duane, New York
Quadriga Mfg. Co., 213 W Grand av, Chicago, Ill.
See adv index at end of book
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
See adv index at end of book
Russell Specialty Mfg. Co., Lake & Sacramento, Chicago, Ill.
SPAULDING FIBRE COMPANY INC. ("Spaulding" Hard Fibre), Tonawanda, N. Y.
See adv index at end of book
Standard Fibre Co., Miller, Somerville, Mass.
Wilmington Fibre Specialty Co., Wilmington, Del.
Worcester Stamped Metal Co., Worcester, Mass.
Wrought Washer Mfg. Co., 50 S Bay, Milwaukee, Wis.

16634— Washers (Friction)

Arguto Oilless Bearing Co. ("Arguto") 149 Berkley, Wayne Junc., Phila., Pa
Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book
Iten Fibre Co., 2358 W 67th, Cleveland, O.
See adv index at end of book
Quadriga Mfg. Co., 213 W Grand av, Chicago
See adv index at end of book
Wilmington Fibre Specialty Co., Wilmington, Del.
Wrought Washer Mfg. Co., 50 S Bay, Milwaukee, Wis.

16635—Washers (Galvanized)

Bethlehem Steel Co., Bethlehem, Pa.
Bettcher Stamping & Mfg. Co. (The), Clark av, Cleveland, Ohio
Galvanized Products Co., Phillipsburg, N. J.
Gasket Supply Co., 1927 Ludlow, Philadelphia, Pa.
See adv index at end of book
Joliet Wrought Washer Co., 2001 Collins, Joliet, Ill.
Keystone Gasket Mfg. Co., 829 N 4th, Phila., Pa. *See adv index at end of book*
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Nicetown Plate Washer Co., 1824 Juniata, Phila., Pa.
Quadriga Mfg. Co., 213 W Grand av, Chicago, Ill.
See adv index at end of book
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
Stanley Works, New Britain, Conn.
See adv index at end of book
Wrought Washer Mfg. Co., Milwaukee, Wis.

Washers (Gas)

See Purifiers & Scrubbers, Gas

16635a— Washers (Gravel)

Acme Engineering Co., 201 Beckel bldg, Dayton, O.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Ellicott Machine Corp., 1111 Bush, Baltimore, Md. *See adv index at end of book*
LINK-BELT COMPANY, 300 W Pershing rd, Chicago
See adv index at end of book
SMITH ENGNG. WKS., 1154 32nd, Milwaukee, Wis.

16636— Washers (Insulating)

Arguto Oilless Bearing Co., 149 Berkley, Wayne Junc., Phila., Pa.
Barwood L. J. Mfg. Co. ("Barwood"), Stoneham 80, Boston, Mass.
See adv index at end of book
Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book
Brawley T. R., 270 20th, Brooklyn, N. Y.
See adv index at end of book
Chicago Mica Co., Valparaiso, Ind.
See adv index at end of book
Continental Felt Co., 64-66 E 11th, New York *See adv index at end of book*
Continental Fibre Co. (Vulcanized Fibre & "Continental-Bakelite" & "Bakelite-Dilecto"), Newark, Del.
DELAWARE HARD FIBRE CO. (Fibre), Wilmington, Del.
See adv index at end of book
Diamond State Fibre Co., Dept. 37, Bridgeport, Pa.
See adv index at end of book
Felt Products Mfg. Co., 1507 Carroll av, Chicago, Ill.
Formica Insulation Co. ("Formica"), 4614 Spring Grove av, Cincinnati, O.
Fox Jno. M. & Co. ("Fibrine"), Portland, Me.
Gasket Supply Co., 1927 Ludlow, Phila, Pa.
See adv index at end of book
Iten Fibre Co., 2355-2359 E 67th, Cleveland, O. *See adv index at end of book*
Johns-Manville Inc. ("Vulcabeston"), Madison av & 41st, New York
KEYSTONE GASKET MFG. CO., 829 N 4th, Phila., Pa.
See adv index at end of book
Meirowsky Bros., Jersey City, N. J.
Mica Insulator Co. ("Micanite"), 68 Church, New York
Monarch Felt Works, 39-45H York, Brooklyn, N. Y.
National Vulcanized Fire Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
Parker & Hafner, Williamsport, Pa.
Quadriga Mfg. Co., 213 W Grand av, Chicago, Ill.
See adv index at end of book
Rhode Island Washer Co., Valley Falls, R. I.
Spaulding Fibre Co., Inc. (Fibre), P. O. Box 52, Tonawanda, N. Y.
See adv index at end of book
Standard Fibre Co., Miller st, Somerville, Mass.
Wilmington Fibre Specialty Co., Wilmington, Del.

16637—Washers (Iron & Steel)

Aetna Ball Bearing Mfg. Co. (Hardened & Ground), 2743 High, Chicago
See adv index at end of book
Allegheny Steel Co. (Round & Square Steel Plate Washers for Axle, Draft Pin, etc), Oliver bldg, Pittsburgh, Pa. Works: Brackenridge, Pa.
American Bolt Corp., Whitehall bldg, New York *See adv index at end of book*
Am. Bridge Co., 71 B'way, New York
American Equipment Co., Norristown, Pa.
Am. Nut & Bolt Fastener Co. (Wrought Iron & Steel), 3 Ontario, Pittsburgh, Pa.
Am. Tube & Stamping Co., Dept. H, 471 Hancock, Bridgeport, Conn.
Armstrong & Parker, Guilford av, Baltimore, Md.
Beall Bros., Alton, Ill.
Bethlehem Steel Co., So Bethlehem, Pa.
Bettcher Stamping & Mfg. Co. (The), Clark av, Cleveland, Ohio
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Clark Bros. Bolt Co., Milldale, Conn.
See adv index at end of book
CLEVELAND WROUGHT PRODUCTS CO., THE (Large stock of tools & dies assures prompt delivery at the right price), 3400 W 58th, Cleveland, O.
See adv index at end of book
Cobb & Drew (Small), Plymouth, Mass.
Columbus Bolt Works Co., Columbus, O.
Corbin Screw Corporation, New Britain, Conn.
Eastern Bolt & Nut Co., E Providence, Providence, R. I.
Erdle Perforating Co., 171 York, Rochester, N. Y. *See adv index at end of book*
Foster Mfrs. & Supply Co. (Wrought), 20th & Venango, Phila., Pa.
GASKET SUPPLY CO. (Round & Square), 1927 Ludlow, Phila., Pa.
See adv index at end of book
Graham Nut Co., 1317 W Carson, Pittsburgh, Pa.
Grammes L. F. & Sons, 311 Union, Allentown, Pa.
See adv index at end of book
Greenlie, Wyatt & Co., 499 Water, New York
Griffin Mfg. Co. (Wrought), Erie, Pa.
Hager C. & Sons Hinge Mfg. Co., (Wrought Steel), St. Louis, Mo.
Harry Bros. Mfg. Co. (Steel Only), 1303 Woodbridge, E. Detroit, Mich.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hill-Smith Metal Goods Co., 102 Brookline av, Boston, Mass.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Hubbard Pressed Steel Co., Niles, O.
Humphrey H. W., Unionville, Conn.
Joliet Wrought Washer Co., 2001 Collins, Joliet, Ill.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
KALES STAMPING CO., 1680 W Lafayette blvd, Detroit, Mich.
See adv index at end of book
Kansas City Bolt & Nut Co., Kansas City, Mo.
KEYSTONE GASKET MFG. CO., 829 N 4th, Phila., Pa.
See adv index at end of book
Lanman E. B. Co., East Chicago, Ind.
Lanz M. Bolt Co. (Square & Round), 2907H Carson, Pittsburgh, Pa.
LARKIN J. K. & CO. (Cast Iron), 253 Broadway, New York
See adv index at end of book

J. K. LARKIN & CO.
253 Broadway
NEW YORK

McKinney Mfg. Co. (Steel), Liverpool & Metropolitan, Pittsburgh, Pa.
Mansfield Lock Washer Co., Mansfield, O.
Marion Malleable Iron Works, 2300 W 9th, Marion, Ind.
Maryland Bolt & Forge Co., Mt. Washington, Baltimore, Md.
MASSACHUSETTS MACHINE SHOP INC. (Steel), 817 Albany, Boston, Mass.
See adv index at end of book
Master Products Co., The ("M. P."), 6414 Park av S. E., Cleveland, Ohio
Merwin Mfg. Co., Erie, Pa.
Meyer & Co., Throopsville, N. Y.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
Mullins Body Corp. (Cut Steel), Salem, O.
New England Bolt Co., Everett, Mass.

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We are specialists in Washers, Gaskets and Packings for every purpose. Our facilites are unexcelled—**Quality Goods in record time.**

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Any Size—Any Quantity—Any Shape

117 MUNROE STREET LYNN, MASS.

Nicetown Plate Washer Co. (Round or Square), 1824 Juniata, Phila., Pa.
Nolte Screw Machine Products Co., 1536 Freeman av, Cincinnati, Ohio
Ohio Shovel & Stamping Co. (Wrought), Dover, O.
Oliver Iron & Steel Co. (Wrought), S 10th & Muriel, Pittsburgh, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Payne's Bolt Works (Wrought), 133 Howard, San Francisco, Cal.
Pittsburgh Rivet Co., 38th & Junction R R, Pittsburgh, Pa.
Pittsburgh Screw & Bolt Co. (Wrought), Preble av, Pittsburgh, Pa.
Plymouth Mills (Small), Plymouth, Mass.
Quadriga Mfg. Co., 213 W Grand av, Chicago, Ill.
See adv index at end of book
Read A. P. Co., 568 W Washington, Chicago, Ill.
Reed & Prince Mfg. Co., Worcester, Mass.
Reliance Mfg. Co. (Lock Washers Only), Massillon, O.
Republic Iron & Steel Co. (Steel), Youngstown, O.
Republic Structural Iron Wks. Division, 1350H E 53rd, Cleveland, Ohio
Rex Steel Stamping Co., Cass St. Car Line, Joliet, Ill.
Rhode Island Tool Co., Providence, R. I.
Richards-Wilcox Mfg. Co. (Steel), Aurora, Ill. *See adv index at end of book*
Rockford Bolt Co., 60 Mill, Rockford, Ill.
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill.
See adv index at end of book
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
Schaper Construction Material Co. (Steel), 90 West, New York
Sessions J. H. & Son (Steel), Bristol, Conn.
Sharon Steel Hoop Co., Finance bldg, Sharon, Pa.
SMITH DAVID H. & SONS, foot of 51st, Brooklyn, N. Y.
See adv index at end of book
Smith Thos. Co., 288 Grove, Worcester, Mass.
Sparks-Withington Co. (Steel), Jackson, Mich.
Standard Shop Equipment Co., Inc. ("Cad"; Finished), 82nd & Tinleum, Phila., Pa.
Stanley Works (Wrought Steel), New Britain, Conn.
Starke Adolph (Est. of), Dept. H, Columbia & Signourney, Brooklyn, N. Y.
Stimpson, Edw. B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Taunton Rivet Works (Steel), Taunton, Mass.
Topping Bros., 156 Varick, New York
See adv index at end of book

WASHERS

Wrought—Cast—Malleable
Steel—Brass and Special

TOPPING BROTHERS

156 VARICK STREET, NEW YORK

Western Washer Mfg. Co., 726 W Belgrave, Los Angeles, Cal.
Whitman Metal Goods Co. (Iron), Whitman, Mass.
Wilcox Crittenden & Co., Inc., 444 So Main, Middletown, Conn.
See adv index at end of book
Wilmington Malleable Iron Works of Eastern Malleable Iron Co. (Malleable Iron), Wilmington, Del.
Worcester Stamped Metal Co., 9 Hunt, Worcester, Mass.
Wrought Washer Mfg. Co. (Wrought & Steel Plate of all Kinds), Milwaukee, Wis.
Youngstown Pressed Steel Co., Warren, O.
See adv index at end of book
Zeigler Mfg. Co., Alexandria, Ind.

16637a—Washers (Iron, Wrought & Wrought)

Cleveland Wrought Products Co., The, 3400 W 58th, Cleveland, Ohio
See adv index at end of book

16638— Washers (Lead)

AKRON METALLIC GASKET CO., 142 N Union, Akron, O.
See adv index at end of book
American Casting & Mfg. Corp., 30 Main, Brooklyn, N. Y.
Am. Smelting & Refining Co., 120 B'way, New York
American Washer Works, 91 Wallabout, Brooklyn, N. Y.
Barwood L. J. Mfg Co ("Barwood"), Stoneham, 80, Boston, Mass.
See adv index at end of book
Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book
Chadwick-Boston Lead Co., 162 Congress, Boston, Mass.
Cleveland Graphite Bronze Co., 2906 Chester av, Cleveland, O.
Delphos Mfg. Co., 1st & Pierce, Delphos, O.
Detroit Leather Specialty Co., 275 Beecher av, Detroit, Mich.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
Emrich Phil (For Roofers), 824 Main, Cincinnati, O.
Field R. B. & Co. ("Fieldco"), 12 Clarence, Worcester, Mass.
Gasket Supply Co. (Both Flat & Shaped), 1927 Ludlow, Phila., Pa.
See adv index at end of book
Globe Iron Roofing & Corrugating Co., Dept. H, Newport, Ky.
Goetze Gasket & Packing Co., 3 Allen av, New Brunswick, N. J.
See adv index at end of book
Guillott Metal Gasket & Supply Co., 24 S Clinton, Chicago, Ill.
Harry Bros. Mfg. Co., 1303 Woodbridge, E. Detroit, Mich.
Hoyt Metal Co., Boatmans Bank bldg, St. Louis, Mo.
Kales Stamping Co., 1680 W Lafayette blvd, Detroit, Mich.
See adv index at end of book
KEYSTONE GASKET MFG. CO., 829 N 4th, Philadelphia, Pa.
See adv index at end of book
Lawrence Shot & Lead Co., Omaha, Neb.
Littleford Bros. (For Roofers), 444 E Pearl, Cincinnati, O.
See adv index at end of book
Newport Rolling Mill Co., Newport, Ky.
Northwest Lead Co. ("Bunker Hill"), 1744 4th av S, Seattle, Wash.
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Phoenix Spec. Mfg. Co., Inc., 48 Duane, New York
Quadriga Mfg. Co., 213 W Grand av, Chicago, Ill.
See adv index at end of book
Scott Roofing & Mfg. Co., 408 Culvert, Cincinnati, O.
Souther E. E. Iron Co. (For Roofers), Klenlin & Hamburger, St. Louis, Mo.
Stimpson, Edw. B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
United Lead Co., 111 B'way, New York
U. S. Indestructible Gasket Co., 831 E 15th, Brooklyn, N. Y.
See adv index at end of book
Wensley Metal Products Co., 2232 Blake, Denver, Colo.
Whitaker-Glessner Co. (Wheeling Corrugating Dept.), Wheeling, W. Va.

16639— Washers (Leather)

Adams C. F. (Bibb & Pump), P. O. Box 253H, Ft. Worth, Texas
Advance Felt & Cutting Co., 320H S Jefferson, Chicago, Ill.
Am. Leather Products Co., Dept. H, 22d & Montelm, Indianapolis, Ind.
American Washer Works, 91 Wallabout, Brooklyn, N. Y.
Auburn Leather Goods Co., Auburn, N. Y.
BARWOOD L. J. MFG. CO., Stoneham, 80, Boston, Mass.
See adv index at end of book

WASHERS BARWOOD GASKETS

ESTABLISHED 1900

"BARWOOD" WASHERS, GASKETS AND PACKINGS

Leather, Felt, Fibre, Paper, Asbestos, Cork, Cardboard, Lead

ALL SIZES AND SHAPES

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L. J. BARWOOD MFG. CO.
Stoneham 80, BOSTON, MASS.

BARWOOD V. H. MFG. CO. ("Barco"), Lynn, Mass.
See adv index at end of book
Chicago Hand Leather Co., 326 River, Chicago, Ill.
Chicago Leather & Mercantile Co., 1848 W 14th, Chicago, Ill.
CHICAGO RAWHIDE MFG. CO., 1307 Elston av, Chicago, Ill.
See adv index at end of book

THE CHICAGO RAWHIDE MFG. CO.

1307 ELSTON AVE., CHICAGO, ILL.

LEATHER WASHERS

Any Size, Tannage or Shape

Detroit Leather Works, 683 E Lafayette av, Detroit, Mich.
Diamond Whip Co. (Coiled, etc), 406 N Curtis, Chicago, Ill.
Eureka Supply Co., Swell, N. J.
Excelsior Leather Washer Mfg. Co., 323-329 Cedar, Rockford, Ill.
Feeser F. S. & Co., 1033 Shelby, Indianapolis, Ind.
Felt Products Mfg. Co., 1507 Carroll av, Chicago, Ill.
Field R. B. & Co. ("Fieldco"), 12 Clarence, Worcester, Mass.
Gasket Supply Co. ("Right"), 1927 Ludlow, Phila., Pa.
See adv index at end of book
Glauber Samuel S., 515 E 79th, New York
Graton & Knight Mfg. Co. (The), 244 Franklin, Worcester, Mass.
See adv index at end of book

(Continued on following page)

Washers (Leather)—Continued

Hoffield R. & Co. (For Axles), 61 Carroll, Buffalo, N. Y.
Houghton E. F. & Co., ("Vim"), 240 Wor-Somerset, Phila., Pa.
Hudson Belting Co., 3 Eaton pl, Worcester, Mass.
Indiana Leather Stamping Co., Williamsport, Pa.
Judd & Leland Mfg. Co., Clifton Springs N. Y.
Kendrick Valve & Washer Co., Syracuse N. Y.
Keystone Gasket Mfg. Co., 829 N 4th, Phila., Pa. *See adv index at end of book*
Lynn Leather Washer & Mat Co., East Lynn, Mass.
MARSH CHAS. W. CO., Muskegon, Mich.
Marston I. G. & Co., 226 Ruggles, Boston Mass.
MICHIGAN LEATHER PACKING CO. INC., 618-620 St. Antoine, Detroit, Mich.
See adv index at end of book
National Leather Mfg. Co., Niles, Mich.
New York Washer Works Co., 115 Bleecker, New York
Nott W. S. Co., 2d av, N. & 3d, Minneapolis, Minn.
Pacific Felt Cutting & Sewing Co., 26H Clementina, San Francisco, Cal.
Pacific States Mfg. Co., Inc., 60 Natoma, San Francisco, Cal.
Page Belting Co., Concord, N. H.
Phoenix Spec. Mfg. Co., Inc., 48 Duane, New York
Planet Co., Westfield, Mass.
Quadriga Mfg. Co., 213 W Grand av, Chicago, Ill.
See adv index at end of book
Raniville F. Co., Grand Rapids, Mich.
Rockford Leather Washer Co., 100 Forbes, Rockford, Ill.
Simplex Mfg. Co., 10-12 Garden, Auburn, N. Y.
U. S. Indestructible Gasket Co., 831 E 15th, Brooklyn, N. Y.
See adv index at end of book
United States Whip Co., Westfield, Mass.

16640—Washers (Leather Coil for Whips, Etc.)

Diamond Whip Co. (Axle), 406 N Curtis, Chicago, Ill.

16641— Washers (Lock)

American Nut & Bolt Fastener Co. ("American"), 3 Ontario, North Side, Pittsburgh, Pa.
Flannery J. Rogers & Co. (Nut Locks), Vanadium bldg, Pittsburgh, Pa.
Grammes L. F. & Sons, 311 Union, Allentown, Pa.
See adv index at end of book
Harper F. C. Screw Wks., 19 E 8th, Chicago, Ill.
Hobbs Mfg. Co. ("American Wire" "Hobbs"), 26 Salisbury, Worcester, Mass.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Kales Stamping Co., 1680 W Lafayette blvd, Detroit, Mich.
See adv index at end of book
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Mansfield Lock Washer Co. ("Mansfield"), Mansfield, O.
National Lock Washer Co., 40 Herman, Newark, N. J.
National Umbrella Frame Co. ("Neverslip"), 30th & Thompson, Phila., Pa.
Positive Lock Washer Co. of America, Av-A, Newark, N. J.
Quadriga Mfg. Co. ("National Pattern" Plain & Pattern), 213 W. Grand av, Chicago, Ill. *See adv index at end of book*
Reliance Mfg. Co. ("Reliance"), Massillon, O.
Sailer & Melvin Mfg. Co., Massillon, O.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
SMITH & HEMENWAY CO. INC. (Corrugated "Lox-Washer"), 261H B'way, New York & 130H Colt, Irvington, N.J.
See adv index at end of book
Steel Specialties Co. ("Hold Tite" Nut Lock), Dept. H, Wakefield, Mass.
Verona Tool Works ("Verona"), Plum, Pittsburgh, Pa.

16642—Washers (Malleable Iron)

ILLINOIS MALLEABLE IRON CO., 1801 Diversey blvd, Chicago, Ill.
See adv index at end of book
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
National Malleable Castings Co., 7706 Platt av, S. E., Cleveland, O.
St. Louis Screw Co., Clarence av E, St. Louis, Mo.
Wrought Washer Mfg. Co., Milwaukee, Wis.

16642a—Washers (Monel Metal)

Acklin Stamping Co., Toledo, Ohio
Akron Metallic Gasket Co., 150 N Union, Akron, Ohio
American Bolt Corp., 17 Battery pl, New York
American Nut & Bolt Fastener Co., Pittsburgh, Pa.
Autoscrew Co., 355 W Broadway, New York
Brown McLaren Mfg. Co., Detroit, Mich.
Eagle Brass Foundry Co., 21 Spokane, Seattle, Wash.
Everitt Co., 275 Franklin, Boston 9, Mass.
Gasket Supply Co., Philadelphia, Pa.
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Koven & Bro. L. O., 1540 Ogden av, Jersey City, N. J.
Kales Stamping Co., The, Detroit, Mich.
Massachusetts Machine Shop, Boston, Mass.
Pacific Foundry Co., Harrison & 18, San Francisco, Cal.
Schwartz Mill Sup. Co., Inc., Edward, 520 Toulouse, New Orleans, La.
Sholes, Inc. (Cast), 186 Lafayette, New York
Smith Co. Thomas, Worcester, Mass.
Steel Sales Corp., 129 S Jefferson, Chicago
Tull Rubber & Sup. Co. J. M., 150 Marietta, Atlanta, Ga.
U. S. Indestructible Gasket Co., 829 E 15th, Brooklyn, N. Y.
Whitehead Metal Products Co., 67 Washington, N., Boston, Mass.
Whitehead Metal Products Co. of N. Y., Inc., 261 Canal, New York
Williams & Co., Inc., 901 Pennsylvania av. Pittsburgh, Pa.
Worcester Pressed Steel Co., Worcester, Mass.

16643—Washers (Name Plate)

Cleveland Wrought Products Co., W 58th & W. & L. E. Belt Line, Cleveland, O.
Quadriga Mfg. Co., 213 W Grand av, Chicago
See adv index at end of book
Wolverine Brass Works, Grand Rapids, Mich.

16644—Washers (Nickel Plated)

Barnes The Wallace Co., 18 Wallace, Bristol, Conn.
See adv index at end of book
Bernz Co., Inc., Otto, 17 Ashland, Newark, N. J.
See adv index at end of book
Bettcher Stamping & Mfg. Co. The, Clark av, Cleveland, Ohio
See adv index at end of book
Dunbar Bros. Co., 80 South, Bristol, Conn.
See adv index at end of book
Gasket Supply Co., 1927 Ludlow, Philadelphia, Pa.
See adv index at end of book
Goetze Gasket & Packing Co., 3 Allen av, New Brunswick, N. J.
See adv index at end of book
Grammes L. F. & Sons, 311 Union, Allentown, Pa.
See adv index at end of book
Keystone Gasket Mfg. Co., 829 N 4th, Phila., Pa. *See adv index at end of book*
Phoenix Spec. Mfg. Co., Inc., 48 Duane, New York
Quadriga Mfg. Co., 213 W Grand av, Chicago
See adv index at end of book
Springfield Mach. Co., 20 Cypress, Springfield, Mass.
U. S. Indestructible Gasket Co., 831 E 15th, Brooklyn, N. Y.
See adv index at end of book
Wrought Washer Mfg. Co., 50 S Bay, Milwaukee, Wis.

16645— Washers (Paper)

Advance Felt & Cutting Co., 320H S Jefferson, Chicago, Ill.
American Washer Works, 91 Wallabout, Brooklyn, N. Y.
Barwood L. J. Mfg. Co. ("Barwood"), Stoneham 80, Boston, Mass.
See adv index at end of book
Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book
Braunsdorf Geo. W., 430 E 53d, New York
Felt Products Mfg. Co., 1507 Carroll av, Chicago, Ill.
Field R. B. & Co. ("Fieldco"), 12 Clarence, Worcester, Mass.
Gasket Supply Co., 1927 Ludlow, Philadelphia, Pa.
See adv index at end of book
Keystone Gasket Mfg. Co., 829 N 4th, Phila., Pa. *See adv index at end of book*
Phoenix Spec. Mfg. Co., Inc. (Asbestos), 48 Duane, New York
Quadriga Mfg. Co., 213 W Grand av, Chicago
See adv index at end of book
Stimpson Edwin B. Co. (For Envelopes, etc.), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
U. S. Indestructible Gasket Co., 831 E 15th, Brooklyn, N. Y.
See adv index at end of book

16646—Washers (Phosphor Bronze)

Akron Metallic Gasket Co., 142 N Union, Akron, O. *See adv index at end of book*
Barnes The Wallace Co., 18 Wallace, Bristol, Conn.
See adv index at end of book
Bound Brook Oil-Less Co. ("Bound Brook"), Bound Brook, N. J.
Dunbar Bros. Co., 80 South, Bristol, Conn.
See adv index at end of book
Gasket Supply Co. ("Right"), 1927 Ludlow, Phila., Pa.
See adv index at end of book
Goetze Gasket & Packing Co., 3 Allen av, New Brunswick, N. J.
See adv index at end of book
Keystone Gasket Mfg. Co., 829 N 4th, Phila., Pa. *See adv index at end of book*
Phosphor Bronze Smelting Co., 2202 Washington av, Phila., Pa.
Quadriga Mfg. Co., 213 W. Grand av, Chicago, Ill. *See adv index at end of book*
U. S. Indestructible Gasket Co., 831 E 15th, Brooklyn, N. Y.
See adv index at end of book

16647—Washers (Plate, Steel)

Allegheny Steel Co., Oliver bldg, Pittsburgh, Pa.
Am. Bridge Co., 71 Broadway, New York
Cleveland Wrought Products Co., W 58th & W. & L. E. Belt Line, Cleveland, O.
Harry L. C. Co., 114 Liberty, New York
Joliet Wrought Washer Co., 2001 Collins, Joliet, Ill.
Keystone Gasket Mfg. Co., 829 N 4th, Phila., Pa. *See adv index at end of book*
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Lebanon Valley Iron & Steel Co., Lebanon, Pa.
Massachusetts Machine Shop, Inc., 317 Albany, Boston, Mass.
Nelson Tool Co., Inc., 782 E 142d, New York
Nicetown Plate Washer Co., 1824 Juniata, Phila., Pa.
Pottsville Bolt Co., Pottsville, Pa.
Quadriga Mfg. Co., 213 W Grand av, Chicago
See adv index at end of book
Smith Thos. Co., 288 Grove, Worcester, Mass.
Worcester Pressed Steel Co., Barber av, Worcester, Mass.
See adv index at end of book
Wrought Washer Mfg. Co., 50 S Bay, Milwaukee, Wis.
YOUNGSTOWN PRESSED STEEL CO. (Standard Special), Warren, O.
See adv index at end of book

16648—Washers (Plumbers')

American Nut & Bolt Fastener Co., 3 Ontario, Pittsburgh, Pa.
American Washer Works, 91 Wallabout, Brooklyn, N. Y.
Barwood L. J. Mfg. Co. ("Barwood"), Stoneham, 80, Boston, Mass.
See adv index at end of book
BARWOOD V. H. MFG. CO. ("Barco"), Lynn, Mass.
See adv index at end of book
Brawley T. R. (Waterproof & Paraffine Treated), 270 20th, Brooklyn, N. Y.
See adv index at end of book
Chicago Rawhide Mfg. Co., The, 1307 Elston av, Chicago
See adv index at end of book
Continental Fibre Co. ("Continental-Bakelite" Fibre), Newark, Del.
DELAWARE HARD FIBRE CO., Wilmington, Del. Works: Marshallton, Del. *See adv index at end of book*
Diamond State Fibre Co., Dept. 37, Bridgeport, Pa.
See adv index at end of book
Empire Tire & Rubber Corp. (Rubber), Trenton, N. J.
Field R. B. & Co. ("Fieldco"), 12 Clarence, Worcester, Mass.
Frost Mfg. Co. (Brass), Kenosha, Wis.
GASKET SUPPLY CO. ("Right" Fibre, Lead, etc.), 1927 Ludlow, Phila., Pa.
See adv index at end of book
Gaynor Mfg. Co., Bridgeport, Conn.
Good Mfg. Co., ("Good"), 305 E 134th.
Grabler Mfg. Co., Cleveland, O.
Home Rubber Co., Trenton, N. J.
Iten Fibre Co., 2358 E 67th, Cleveland, O.
See adv index at end of book
Kales Stamping Co., 1680 W Lafayette blvd, Detroit, Mich.
See adv index at end of book
Keystone Gasket Mfg. Co., 829 N 4th, Phila., Pa. *See adv index at end of book*
Marston I. G. & Co., 226 Ruggles, Boston, Mass.
Monarch Felt Works (Waterproof & Paraffine Treated), 39-43H York, Brooklyn, N. Y.
National Vulcanized Fibre Co., Beach & Maryland, Wilmington, Del.
See adv index at end of book
Plume & Atwood Mfg. Co. (Brass, etc), Waterbury, Conn.
Quadriga Mfg. Co., 213 W Grand av, Chicago
See adv index at end of book
Rhode Island Washer Co., Valley Falls, R. I.
Rockford Leather Washer Co., 100 Forbes, Rockford, Ill.
Standard Fibre Co. (Fibre), Miller st, Somerville, Mass.
United States Hdwe. & Mfg. Co. (Brass & Nickel Plated), 16H Warren av, Pawtucket, R. I.



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REARWIN SPIRAL EMERY DRESSER CUTTERS

U. S. Indestructible Gasket Co., 831 E 15th, Brooklyn, N. Y.
See adv index at end of book
Wolverine Brass Works (Nickel Plated), Grand Rapids, Mich.
Woodward-Wanger Co. ("Flexo" Bibb), 1106 Spring Garden, Phila., Pa.

16649-50—Washers (Prop Block)

Sears Mfg. Co. (Leather), 29 Mulberry, Newark, N. J.

16651— Washers (Rubber)

Acme Rubber Mfg. Co., Trenton, N. J.
American Washer Works, 91 Wallabout, Brooklyn, N. Y.
Barwood L. J. Mfg. Co. ("Barwood"), Stoneham 80, Boston, Mass.
See adv index at end of book
Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book
Boston Belting Corp., 80 Elmwood av, Boston, Mass.
Boston Woven Hose & Rubber Co., Cambridge, Mass.
Canfield H. O. Co., 191 Housatonic av, Bridgeport, Conn.
Cincinnati Rubber Mfg. Co. (Hose, etc.), Norwood, Cincinnati, Ohio
Combination Rubber Mfg. Co. ("Boss"), Bloomfield, N. J.
Empire Tire & Rubber Corp., Trenton, N. J.
Gasket Supply Co. ("Right" Cloth Inserted Red & Pure Rubber), 1927 Ludlow, Phila., Pa.
See adv index at end of book
Gilbert & Co., Hyattsville, Md.
Goodrich B. F. Co., Akron, O.
Goodyear Rubber Co. & Rubber Clothing Co., 787 B'way, New York
Goodyear Tire & Rubber Co., Inc. ("Goodyear"), 1144 E. Market, Akron, Ohio
Gutta Percha & Rubber Mfg. Co., 350 Madison av, New York
Hamilton Rubber Mfg. Co., Trenton, N. J.
Home Rubber Co., Trenton, N. J.
Indiana Rubber & Insulated Wire Co., P. O. Box 192, Jonesboro, Ind.
Jenkins Bros., 80 White, New York
See adv index at end of book
Keystone Gasket Mfg. Co., 829 N 4th, Phila., Pa. *See adv index at end of book*
Manhattan Rubber Mfg. Co., Passaic, N. J.
Marston I. G. & Co. (Machine Cut), 226 Ruggles, Boston, Mass.
Mechanical Rubber Co., 73 Reade, New York
N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
N. Y. Belting & Packing Co., 91 Chambers, New York
New York Rubber Disc Co., 215 E 93th, New York
Norwalk Mfg. Co., E Norwalk, Conn.
Quabaug Rubber Co. (Hose), N Brookfield, Mass.
Quadriga Mfg. Co., 213 W Grand av, Chicago
See adv index at end of book
Quaker City Rubber Co. ("Ebonite," "Skihi"), 3927 Comly, Phila., Pa.
See adv index at end of book
Revere Rubber Co., 60 High, Chelsea, Mass.
Schacht Rubber Mfg. Co., Huntington, Ind.
United & Globe Rubber Co., Trenton, N. J.
U. S. RUBBER CO., 1790 Broadway, New York *See adv index at end of book*
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
Whitehead Bros. Rubber Co., Trenton, N. J.

16651a—Washers (S. A. E.)

CLEVELAND WROUGHT PRODUCTS CO., THE, 3400 W 58th, Cleveland, Ohio
See adv index at end of book

Washers (Screw)

See Washers, Countersunk

16652—Washers (Sherardized)

Quadriga Mfg. Co., 213 W Grand av, Chicago
See adv index at end of book
Wrought Washer Mfg. Co., Milwaukee, Wis.

16653—Washers (Special Sizes, Any Material)

AKRON METALLIC GASKET CO., 142 N Union, Akron, O.
See adv index at end of book
Barwood L. J. Mfg. Co. ("Barwood"), Stoneham 80, Boston, Mass.
See adv index at end of book
BARWOOD V. H. MFG. CO. ("Barco"), Lynn, Mass.
See adv index at end of book
Beehler Steel Products Co., 1449 N. 13th, St. Louis, Mo.
See adv index at end of book
BRAWLEY T. R. (Felt), 270 20th, Brooklyn, N. Y. *See adv index at end of book*
Chicago Rawhide Mfg. Co., The, 1307 Elston av, Chicago
See adv index at end of book
CLEVELAND WROUGHT PRODUCTS CO., THE (Large stock of tools & dies assures prompt delivery at the right prices), 3400 W 58th, Cleveland, Ohio
See adv index at end of book
CONTINENTAL FELT CO. (Felt), 64-66 E. 11th, New York
See adv index at end of book
DETROIT STAMPING CO., 3445 W Fort, Detroit, Mich.
Erdle Perforating Co., 171 York, Rochester, N. Y. *See adv index at end of book*
Felt Products Mfg. Co., 1507 Carroll av, Chicago, Ill.
Felters Co. (Felt), 103 Bedford, Boston, Mass.
Gasket Supply Co., 1927 Ludlow, Philadelphia, Pa.
See adv index at end of book
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Iten Fibre Co. (Fibre Only), 2358 E 67th, Cleveland, Ohio
See adv index at end of book
Joliet Wrought Washer Co., 2001 Collins, Joliet, Ill.
Keystone Gasket Mfg. Co., 829 N 4th, Phila., Pa. *See adv index at end of book*
Master Products Co., The, 6414 Park av, Cleveland, Ohio
Monarch Felt Works (Felt), 39-45H York, Brooklyn, N. Y.
Oakes Co., Indianapolis, Ind.
Pacific Felt Cutting & Sewing Co., 26H Clementina, San Francisco, Cal.
QUADRIGA MFG. CO., 213 W. Grand av, Chicago, Ill. *See adv index at end of book*
Rockford Leather Washer Co. (Leather Only), 100 Forbes, Rockford, Ill.
Wrought Washer Mfg. Co., 50 S Bay, Milwaukee, Wis.
YOUNGSTOWN PRESSED STEEL CO. (Special & Standard, Steel), Warren, O. *See adv index at end of book*
Zeigler Mfg. Co., Alexandria, Ind.

16654— Washers (Spring)

American Nut & Bolt Fastener Co., 3 Ontario, Pittsburgh, Pa.
BARNES, THE WALLACE CO. ("Barnes-Made" Tempered Steel), 18 Wallace, Bristol, Conn.
See adv index at end of book
Dunbar Bros. Co., 80 South, Bristol, Conn.
See adv index at end of book
Fischer Chas. Spring Co., 240 Kent av, Brooklyn, N. Y.
Gainer F. H., Plainville. Conn.
Gasket Supply Co., 1927 Ludlow, Philadelphia., Pa.
See adv index at end of book
Harper F. C. Screw Works, 19 E 8th, Chicago, Ill.
Hunt Pen C. Howard Co., Camden, N. J.
Keystone Gasket Mfg. Co., 829 N 4th, Phila., Pa. *See adv index at end of book*
LARKIN & CO. J. K., 253 Broadway, New York
See adv index at end of book
Mansfield Lock Washer Co., Mansfield, O.
Quadriga Mfg. Co., 213 W Grand av, Chicago
See adv index at end of book
Stimpson, Edw. B. Co., 852 Kent av, Brooklyn, N. Y.
U. S. Indestructible Gasket Co., 831 E 15th, Brooklyn, N. Y.
See adv index at end of book

16654a— Washers (Square)

Barwood V. H. Mfg. Co. ("Barco"), Lynn, Mass.
See adv index at end of book
Gasket Supply Co., 1927 Ludlow, Philadelphia., Pa.
See adv index at end of book
Goetze Gasket & Packing Co., 3 Allen av, New Brunswick, N. J.
See adv index at end of book
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Iten Fibre Co. (Fibre), 2358 E 67th, Cleveland, O.
See adv index at end of book
Joliet Wrought Washer Co., 2001 Collins, Joliet, Ill.
Keystone Gasket Mfg. Co., 829 N 4th, Phila., Pa. *See adv index at end of book*
LARKIN J. K. & CO., 253 B'way, New York *See adv index at end of book*

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Master Products Co., The, 6414 Park av, Cleveland, Ohio
Quadriga Mfg. Co., 213 W. Grand av, Chicago, Ill. *See adv index at end of book*
St. Louis Screw Co. (Black & Galvanized), Clarence av E., St. Louis, Mo.
Wrought Washer Mfg. Co., 50 S Bay, Milwaukee, Wis.
Zeigler Mfg. Co., Alexandria, Ind.

16655—Washers (Street & Hydrant)

American Fdry. & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Chicago Rawhide & Mfg. Co., The, 1307 Elston av, Chicago
See adv index at end of book
Field R. B. & Co., 12 Clarence, Worcester, Mass.
Gasket Supply Co., 1927 Ludlow, Philadelphia., Pa.
Haydenville Co. ("Lewis"), Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
Hvass Chas. & Co., 508 E 19th, New York
Jarecki Mfg. Co. ("Jarecki," "Keystone"), Erie, Pa.
Keystone Gasket Mfg. Co., 829 N 4th, Phila., Pa. *See adv index at end of book*
Kupferle John C. Foundry Co., 1st & Wright, St. Louis, Mo.
Rumsey Pump Co. (Ltd.), Box J, Seneca Falls, N. Y.
See adv index at end of book

16656— Washers (Tin)

Gasket Supply Co., 1927 Ludlow, Phila., Pa. *See adv index at end of book*
Humphrey H. W. (Carpet, etc), Unionville, Conn.
Keystone Gasket Mfg. Co., 829 N 4th, Phila., Pa. *See adv index at end of book*
National Sheet Metal Co. (Also Brass & Nickel Tin & Zinc), Peru, Ill.
Quadriga Mfg. Co., 213 W. Grand av, Chicago, Ill. *See adv index at end of book*
Robertson W. F. Steel & Iron Co. (Tufting), Elm & Commerce, Cincinnati, O.
Steel & Tin Products Co., 2100H Aliceanna, Baltimore, Md.
Stimpson, Edw. B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Zeigler Mfg. Co., Alexandria, Ind.

16656a—Washers (Tomato & Fruit)

JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
McKenna Brass & Mfg. Co. ("Haller" & Berry), 1st av & Ross, Pittsburgh, Pa.

16657— Washers (Tumbler)

Rowe L. L. ("No-thump"), 74 Portland, Boston, Mass.

16658— Washers (Vehicle)

Acklin Stamping Co., 1659 Dorr, Toledo, O.
Armstrong Machine Works ("Turbo"), 307 Maple, Three Rivers, Mich.
See adv index at end of book
BINGHAM STAMPING & TOOL CO., Post & Albion, Toledo, Ohio
See adv index at end of book
Binks Spray Equipment Co. ("Binks"), 3129 Carroll, Chicago, Ill.
Bossert Corp. The, cor. Linden & West av, Utica, N. Y.
Cleveland Wrought Products Co., W 58th & W. & L. E. Belt Line, Cleveland, O.
Columbus Bolt Wks. Co., Water & Chestnut, Columbus, Ohio
Hanley S. V., 235 Cambridge av, Milwaukee, Wis.
Joliet Wrought Washer Co., 2001 Collins, Joliet, Ill.
Keystone Gasket Mfg. Co., 829 N 4th, Phila., Pa. *See adv index at end of book*
Mueller Edward (Overhead), New Durham, N. J.
Nolan & Blen, 59 Cambridge av, Boston, Mass.
Nunn Brass Works ("Ford"), Rochester, N. Y.
Raban W. A., Broad, Port Chester, N. Y.
Read A. P. Co., 568 W Washington, Chicago, Ill.
Ryan & Long ("Perfection," Overhead), Appleton, Wis.
Simmers G. P. & M. C., 123 S Main, Pomona, Cal.
Walworth Mfg. Co. ("Walworth"), 793 First, Boston, Mass.
Zeigler Mfg. Co., Alexandria, Ind.

16659— Washers (Wooden)

Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
Estes E. B. Mfg. Co., 364 5th av, New York *See adv index at end of book*
Gasket Supply Co., 1927 Ludlow, Phila., Pa. *See adv index at end of book*
Keystone Gasket Mfg. Co., 829 N 4th, Philadelphia, Pa.
See adv index at end of book
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book

16660— Washers (Zinc)

Gasket Supply Co. ("Right"), 1927 Ludlow, Phila., Pa.
See adv index at end of book
Keystone Gasket Mfg. Co., 829 N 4th, Phila., Pa. *See adv index at end of book*
Phoenix Spec. Mfg. Co., Inc., 48 Duane, New York
Quadriga Mfg. Co., 213 W. Grand av, Chicago, Ill. *See adv index at end of book*
Stimpson, Edw. B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book

16661-2—Washing Machine Parts (Wood)

Piqua Handle & Mfg. Co., P. O. Box 307,
National Tank & Pipe Co., 170 Columbia blvd, Portland, Ore.
See adv index at end of book
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book

16663—Waste (Cotton & Wool)

Am. Silk Mfg. Co., 4341 Orchard, Phila., Pa.
American Supply Co. (Wholesale), 1407 Dayton, Chicago, Ill.
Andres Eugene C. Co., 18 Central, Boston, Mass.
Atlas Waste Mfg. Co. (White & Colored for Journal Boxes), Cooper av, Brooklyn, N. Y.
Becker Chas. W., Amsterdam, N. Y.
Bishop Robt. Mfg. Co. (Pioneer Cotton), 157H W 6th, Boston, Mass.
Blaisdell S. Jr. Co. (Dealers), Chicopee, Mass.
Blakeley Jno. & Son (Cotton & Wool), 1089 Gtn. av, Phila., Pa.
Bowman D. F. Co. (Wool Waste for Packing Car Boxes), New Albany, Ind.
Broderick & Babscom Rope Co. (Jobbers of All Grades), 805 N Main, St. Louis, Mo.
Brooks Geo. B. (Wiping), 279 Morris, Providence, R. I.
Burstein Meyer, Neenah, Wis.
California Waste Co., 2417 E. 23rd, Los Angeles, Cal.
Cantasano Vito G. & Bros., 135 South, New York
CARPENTER & CO. GEO. B., 434 N Wells, Chicago
See adv index at end of book
Charles Wm. B., Amsterdam, N. Y.
Charlotte Waste Co., Inc., Charlotte, N. C.
Chicago Waste Co., 1210 Elston av, Chicago, Ill.
Clapp H. D. B. & Co. (Packing), 824 N American, Phila., Pa.
Coburn Walter Co., Lowell, Mass.
Collins E. F. & Sons, 170 Lyman, Springfield, Mass.
Colonial Supply Co. (Jobbers), 441 1st av, Pittsburgh, Pa.
See adv index at end of book
Cordingley W. S. & Son (Wool), 229 A S, Boston, Mass.
Corr Peter H., Taunton, Mass.
Crerar Adams & Co., 259 E Erie, Chicago, Ill.
Dallas Waste Mills, Dallas, Texas
Detroit Waste Works, 412 Larned W, Detroit, Mich.
Devlin Chas. & Sons, Inc. (Cotton & Wool), 3219 Kensington, Phila., Pa.
Economy Wiping Materials Co., 100 10th av, New York
Egan Waste Co., 168 Front, New York
Estes Mills (Cotton Bleached "Extra Special," "Prime," Natural Color, Machy., Wiping), Fall River, Mass.
Federal Paper Stock Co., 1314 N Main, St. Louis, Mo.
Felber Sales Co., Superior & 38th, Cleveland, Ohio
Franklin Mfg. Co. ("Perfection" Journal Box), Franklin, Pa.
Friedlander Julius & Co. (Cotton Waste & Linters), Columbus, Ga.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Gallagher Daniel J. Mfg. Co., 513 S Clinton, Chicago, Ill.
Glick Harris (Wool, etc), 10 Brackett, Worcester, Mass.
Gordon Bros., Hazardville, Conn.
Graves Frank B. Co. (Wool), Albany, N. Y.
Gumbinsky Bros. Co., 2261 S Union av, Chicago, Ill.
Hagy Clayton L. & Son, 16th & Carpenter, Phila., Pa.
Hagy J. Milton Waste Works ("Fidelity" Cotton & Wool), 836 S Swanson, Phila., Pa.
Hamlet Mills, Otter River, Mass.
Handlan-Buck Mfg. Co., 210 N 3rd, St. Louis, Mo.
Harris Alfred & Co., 332 Summer, Boston, Mass.
Hill & Cutler, 176 Federal, Boston, Mass.
Hoffman-Corr Mfg. Co. (Cotton), 312 Market, Phila., Pa.
Kinsey E. A. Co., 331 W 4th, Cincinnati, Ohio
Kumin Samuel, 253 Harding, Worcester, Mass.
Leschen A. & Sons Rope Co. (Cotton Only), 920 N 1st, St. Louis, Mo.
Lillie Dexter P. Co. (Cotton Wiping & Packing Wastes), Indian Orchard, Mass.
Lowell Waste Co., Lowell, Mass.
McGrath John J. (For Wiping & Journal Box Packing), 1338 N Front, Phila., Pa.
Massasoit Mfg. Co. ("Supremus," "Primus," "Secundus," "Tertius," "Quartus," "Quintus," "Sextus," "Septimus" White Cotton; "Alpha," "Beta," "Gamma," "Delta," "Epsilon," "Zeta," "Airion," "Eta" Cotton, Colored), 136H Pocasset, Fall River, Mass.
Mendelson Bros. Paper Stock Co., 910 S Michigan av, Chicago, Ill.
Moore Geo. C. (Wool), N Chelmsford, Mass.
National Waste Co. ("Quaker"), Nixon & Leverington, Phila., Pa.
New England Cotton Yarn Co., Taunton, Mass.
O'Meara Maurice Co., 450 Pearl, New York
Pacific Cotton Waste & Fibre Co., 554 Mission, San Francisco, Cal.
Peck Asa & Co., 556 Atwells, Providence, R. I.
Railway Supply & Mfg. Co. (Dealers, White & Colored), 1234 Harrison, Cincinnati, O.
Ray Edgar K. (Est. of), Franklin, Mass.
Remick, Timothy & Co., 200 Summer, Boston, Mass.
Richards Fred J., 32 Lakeside, Springfield, Mass.
Riverside Mills (White & Colored Machined Cotton), Augusta, Ga.
Rosen Henry, Toledo, O.
Royal Mfg. Co. (Cotton, Wool & Packing), Rahway, N. J.
Royal Textile Co., 18 Kingston, Boston, Mass.
Sher L. & Son, 130H Court, Reading, Pa.
Sibbet Co., 550 Poplar, Oakland, Cal.
South Atlantic Waste Co., Charlotte, N. C.
Springfield Waste Co. (Cotton Packing & Wiping Waste), Springfield, Mass.
Stevenson Bro. & Co. (Cotton), 110 Race, Phila., Pa.
Strong Cotton Waste & Mfg. Co., ("Strong's Specialty," White & Colored), 292-294 Church, New York
Sweetland Waste Co., 134 Tudor S, Boston, Mass.
Trimble & Lutz Supply Co. (Jobbers), Wheeling, W. Va.
Toohey M. J. & Co., Fall River, Mass.
Troy Waste Mfg. Co., Troy, N. Y.
Union Wadding (Wiping), Pawtucket, R. I.
Upson-Walton Co., The, 1100 W 11th, Cleveland, Ohio
Valley Waste Mills, La Grange, Ga.
Wallace Rodney Co., Fitchburg, Mass.
Whitaker Fred Co. Inc. (Dealers), Mascher & Columbia, Phila., Pa.

Waste Heat Utilizers

See Fuel Economizers

16664—Waste Saturating Systems

Milwaukee Tank Works ("Milwaukee" System for Saturating Journal Box Packing), Fratney & Becker, Milwaukee, Wis.

16665—Waste & Overflows (Bath)

American Fdry. & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Pin Co. ("Ampinco" Connected), Waterbury, Conn.
American Sanitary Mfg. Co., Abingdon, Ill.
Coyne & Delany Co., 832 Kent av, Brooklyn, N. Y.
D. C. Mfg. Co. ("D. C." Supply & Waste), Canton, O.
Dearborn Brass Co. (Connected With Traps), Cedar Rapids, Ia.
Detroit Sanitary Supply Co., 1191 2nd, Detroit, Mich.
Edwardsville Brass Co., Edwardsville, Ill.
Elgin Brass Co., 207 Pearl, New York
Empire Brass Mfg. Co. (With Trap), 10301 Berea rd, Cleveland, O.
Frost Mfg. Co. ("Femco"), Kenosha, Wis.
Glauber Brass Mfg. Co., 79th & Platt av, Cleveland, Ohio
Hoffmann & Billings Mfg. Co. ("H. & B." with Trap), 100 2nd, Milwaukee, Wis.
Ireland & Matthews Mfg. Co., Beach & Chatfield, Detroit, Mich.
Klipstein A. & Co. ("Bemanco"), 644 Greenwich, New York
Kretschmer Mfg. Co., Dubuque, Ia.
McDonald A. Y. Mfg. Co. (With Trap), Dubuque, Ia.
Morency-Van Buren Mfg. Co., Sturgis, Mich.
Nelson N. O. Mfg. Co., 10th & Chestnut, St. Louis, Mo.
Pacific Faucet Mfg. Co., 940 E 60th, Los Angeles, Cal.
Rumsey L. M. Mfg. Co., 4372 Westminster, St. Louis, Mo.
Rundle Mfg. Co., 27th & Wahl, Milwaukee, Wis.
Schwander Brass Mfg. Co., 823 N 8th, St. Louis, Mo.
Speakman Supply & Pipe Co. ("Speakman" Bath Waste), Wilmington, Del.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Trenton Brass & Machine Co., Trenton, N. J.
Weiskittke A. & Sons, 12th & Lombard, Baltimore, Md.
Wise J. B. Inc. (For Bath Tubs), Watertown, N. Y.
Wolverine Brass Works (With Trap), Grand Rapids, Mich.

16666-7— Watch Case Mfrs.

American Watch Case Co., 58 W 40th, New York
Dubois Watch Case Co., 316 Herkimer, Brooklyn, N. Y.
Dueber Watch Case Mfg. Co., Tuscarawas, W, Canton, O.
Fahys Joseph & Co., 20 W 47th, New York
Illinois Watch Case Co., Elgin, Ill.
Keystone Watch Case Co., 1411 Walnut, Phila., Pa.
North American Watch Co. (Gold, Silver & Gold Filled), Mansfield, O.
Queen City Watch Case Mfg. Co., Cincinnati, O.
Roy Watch Case Co., 81 Prospect, Brooklyn, N. Y.
Solidarity Watch Case Co., 242 Chestnut, Brooklyn, N. Y.
Star Watch Case Co., Ludington, Mich.
Wadsworth Watch Case Co., Dayton, Ky.
Western Watch Case Mfg. Co., 29 E Madison, Chicago, Ill.

Watch Crystals

See Crystals, Watch

Watchclocks

See Clocks (Watchman's)

16668-9— Watches

See also Watch Case Mfrs.

Burlington Watch Co., 19th & Marshall blvd, Chicago, Ill.
Elgin National Watch Co., 86 E Randolph, Chicago, Ill.
Hamilton Watch Co., Lancaster, Pa.
Hampden Watch Co., Dueber Heights 6th, S W, Canton, O.
Howard E. Watch Works, Waltham, Mass.
Knickerbocker Watch Co., 389 5th av, New York
New Haven Clock Co., New Haven, Conn.
New York Standard Watch Wks., 403 Communipaw av, Jersey City, N. J.
North American Watch Co., Mansfield, O.
Rockford Watch Co., Elgin, Ill.
Silberberg M. J. Co., 120 S Michigan av, Chicago, Ill.
Waltham Watch Co., Waltham, Mass.

Watchman's Time Detectors

See Clocks, Watchman's; also Recorders, Time

16670—Water Bottles (Rubber)

Ajax Rubber Co., 220 W 57th, New York
Bailey C. J. & Co., 88 Broad, Boston, Mass.
Canton Rubber Co., 211 7th S E, Canton, Ohio
Davidson Rubber Co., Boston, Mass.
Davol Rubber Co., 69 Point, Providence, R. I.
Faultless Rubber Co., Ashland, O.
Goodrich B. F. Rubber Co., Akron, O.
Hodgman Rubber Co. (Lightweight Rubber Insertion), 25 W 43rd, New York
Miller Rubber Co., Akron, O.
Myers Mfg. Co., Fremont, O.
National India Rubber Co., Bristol, R. I.
Parker, Stearns & Co. ("Alpha"), 286 Sheffield av, Brooklyn, N. Y.
Rubber Products Co., Barberton, O.
Seamless Rubber Co., New Haven, Conn.
Star Rubber Co. ("Marco"), Akron, O.
Tyer Rubber Co., Andover, Mass.

16671— Water Closet Mfrs.

Aird-Don Co., Troy, N. Y.
Alberne Stone Co., 153 W 23rd, New York
American Sanitary Works ("B. O. T."), Washington, N. J.
Automatic Chemical Closet Co. ("Auto-Kem-Clo," Vitreous China, Chemical), 1528 N Washington av, Minneapolis, Minn.
Barrett Jas. Mfg. Co. ("Empress," "Congress," "Duke," "Emperor," "Duchess," "Korka," "Lion," "Tudor," "Princely" & "Clio"), 117 Pearl, Boston, Mass.
Blessing C. A., 516 Montgomery av, Phila., Pa.
Bowser Sanitary Mfg. Co., Lafayette Ind.
Camden Pottery Co. ("Inandia" Silent Action), Camden, N. J.
Central Metal & Supply Co. ("Stratford" & "Wendover" Silent Syphon Jet, "Regis" Syphon Jet, "Allston" Reverse Trap with Jet, "Edgevale" Reverse Trap, "Homewood" Syphon Action with Jet, "Kingston" Heavy Washdown with Jet, "Somerset" Syphon with Integral Seat, "Avon" Syphon Action), 611 E Lombard, Baltimore, Md.
Clow Jas. B. & Sons (Automatic, Pull Tank & Flush Valve), 534 S. Franklin, Chicago, Ill.
Columbus Brass Co. ("Met-All"), 620 Dublin av, Columbus, Ohio
See adv index at end of book
Coyne & Delany Co., 832 Kent av, Brooklyn, N. Y.
CRANE CO. (Regular Plumbing, "Atlas," "Atlo," "Walsyn," "Compacto," "Concreto," "Corsyn," "Expedio," "Hospital," "Illini," "Juvenis," "Majestic," "Mauretania," "Neapol," "Okolona," "Okolona Jr.," "Oliver," "Purus," "Purus Jr.," "Rapido," "Saneto," "Sanquen," "Wadisco," "Spiro," "Nearwall," "Sanwall," "Baby," "Ford"), 836 S Michigan av, Chicago, Ill. *See adv index at end of book*
Crane Enamelware Co., 14th & Chestnut, Chattanooga, Tenn.
Dalton-Ingersoll Mfg. Co., 52 Chauncy, Boston, Mass.
Dayton Mfg. Co. (R. R. Car), Dayton, O.
Dececo Co., 76 Battery March, Boston, Mass.
Douglas John Co., Carthage, Cincinnati, O.
Ebinger D. A. Sanitary Mfg. Co., 181 Lucas, Columbus, O.
Fleck Bros. Co., 44 N 5th, Phila., Pa
Fords Porcelain Works, Perth Amboy, N. J.
Fort Pitt Supply Co., 332 2d av, Pittsburgh, Pa.
Gaylord Sanitary Mfg. Co. ("Auto-Silent"), El Dorado, Texas
Haas Philip Co. ("Haas" Frost Proof), Dayton, O.
Haines Jones & Cadbury Co. ("Frosto," Frost Proof), 1136 Ridge av, Phila., Pa.
Hercules Iron & Supply Co., 473 Atlantic av, Boston, Mass.
Hess Chas. Co. ("Hess" for Export), 175 Water, New York
Hussey W. H. & Son, 233 W 35th, New York
Imperial Brass Mfg. Co. ("Watrous Duojet), 1200 W Harrison, Chicago, Ill.
See adv index at end of book



Kelly Thos. & Bros. ("Octopus" Self Acting & "Kelly" Seat Action), 3424 W Lake, Chicago, Ill.
Kline M. L. Co. ("Epulso"), 84 Front, Portland, Ore.
Kohler Co., Dept. H, Kohler, Wis.
Kretschmer Mfg. Co., Dubuque, Ia.
McCambridge Co., 315 N 20th, Phila., Pa.
Maddocks Thomas Sons Co. ("Ariston," "Madera," "Maduro"), Ewing & Perry, Trenton, N. J.
Meyer-Sniffen Co., 11 W 48th, New York
Mott J. L. Iron Works, Trenton, N. J.
Nason Mfg. Co., 71 Fulton, New York
See adv index at end of book
Nelson N. O. Mfg. Co., 10th & Chestnut, St. Louis, Mo
Nunn Brass Works ("Genesee" Automatic), Rochester, N. Y.
Pacific Sanitary Mfg. Co., 67 New Montgomery, San Francisco, Cal.
Park & McKay, 55 Bagley av, Detroit, Mich.
Peck Bros. & Co. (Combination), New Haven, Conn.
Peerless Selling Co., Evansville, Ind.
Pittsburgh Brass Mfg. Co., Penn & 32nd, Pittsburgh, Pa.
Prier Brass Mfg. Co. ("Standard"), 15th & Blue River, Kansas City, Mo.
Rex Mfg. Co., 738 Fidalgo, Seattle, Wash.
Rumsey L. M. Mfg. Co., 4372 Westminster, St. Louis, Mo.
Rundle-Spence Mfg. Co., 63 2nd, Milwaukee, Wis.
Sanitas Mfg. Co. ("Regal," "Crown," "Easton," "Hub," "Rex," "Rex-Crescent," "Kineo"), 105 Washington, Boston, Mass
Sherwood Brass Works ("Maxco" Seat Operated), 6331 Jefferson E., Detroit, Mich.
Speakman Supply & Pipe Co., Wilmington, Del.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Teachen Jas. M., 5155 Cass, Detroit, Mich.
Trenton Potteries Co., Trenton, N. J
Van Arnam Mfg. Co., ("Van-Ar-Co" Low-Down & High Tank Combination), Ft. Wayne, Ind.
Vogel Joseph A. Co. (Automatic Only), 1203 Lombard, Wilmington, Del.
Walker Mfg. & Supply Co., Shelby & Woodbridge, Detroit, Mich.
Walls Owen & Stambach Co., ("Naturo"), 11th & Ridge, Phila., Pa.
Washington Iron Works ("Washington"), 1141 Mateo, Los Angeles, Cal.
Weiskittel A. & Son Co., 12th & E Lombard, Baltimore, Md.
West Coast Porcelain Mfrs. ("West Coast"), Millbrae, Cal.
Wheeling Sanitary Mfg. Co., ("Clean-Out"), Wheeling, W. Va.
Whiting-Mead Pottery Co. (Virteous), 415 E. 9th, Los Angeles, Cal.
Wolf Mfg. Co., 355 N Hoyne av, Chicago, Ill.
Zero Valve & Brass Mfg. Co., 643 4th, Buffalo, N. Y.

16672—Water Closet Ranges

See also Water Closets, School, Institution, etc.

Clow James B. & Sons (Syphon Jet), Franklin & Harrison, Chicago, Ill.
Ebinger D. A. Sanitary Mfg. Co., 181 Lucas, Columbus, O.
Haines, Jones & Cadbury Co. ("Syphon," "Education," "Brighton"), Open Range and Washout), 1136 Ridge av, Phila. Pa.
Hyde, Clinton, 592 Clinton av, Albany, N. Y.
Mott J. L. Iron Works, Trenton, N. J.
Nelson N. O. Mfg. Co. (Pneumatic Syphon Hopper Latunes), 10th & Chestnut, St. Louis, Mo.
Standard Sanitary Mfg. Co. (Automatic Syphon Jet), Bessemer bldg., Pittsburgh, Pa.

16673—Water Closets (Anti-Freezing)

Dayton Mfg. Co., Dayton, O.
Haas Philip Co. ("Haas"), Dayton, O.
Haines Jones & Cadbury Co. ("Frosto"), 1136 Ridge av, Phila., Pa.
Kelly Thos. & Bros. ("Kelly" Seat Action After Flush), 3424 W Lake, Chicago, Ill.
Nelson N. O. Mfg. Co., 10th & Chestnut St. Louis, Mo.
Pittsburgh Brass Mfg. Co. ("Pittsburgh"), Penn & 32d, Pittsburgh, Pa.
Prier Brass Mfg. Co. ("Standard"), 15th & Blue River, Kansas City, Mo.
Raub Supply Co., Lancaster, Pa.
VOGEL JOSEPH A. CO., 1203 Lombard, Wilmington, Del.
Walls, Owen & Stambach Co., 11th & Ridge, Phila., Pa.
Weiskittel A. & Son Co. ("Jack Frost"), 12th & E Lombard, Baltimore, Md.
Zero Valve & Brass Mfg. Co., 643 4th, Buffalo, N. Y.

16674—Water Closets (Car)

Adams & Westlake Co., 319 W Ontario, Chicago, Ill.
Crane Co. (Flushing), 836 S Michigan av, Chicago, Ill. *See adv index at end of book*
Duner Co. ("Duner" Enameled Iron & Porcelain), 101 S. Clinton, Chicago, Ill.
See adv index at end of book

DUNER
CAR CLOSETS
Enameled Iron — Wet or Dry Closets
DUNER CO., 101 S. Clinton St. Chicago

16675—Water Closets (Low-Down Combination)

American Sanitary Wks., Washington, N. J.
Becker Mfg. Co., Marietta, O.
Bowlus Mfg. Co. ("Jewel"), Springfield, O.
Cooper Sanitary Mfg. Co., 34th & Chestnut, Phila., Pa.
Coyne & Delany Co., 832 Kent av, Brooklyn, N. Y.
Dalton-Ingersoll Mfg. Co., 365 Atlantic av, Boston, Mass.
Douglas John Co., Carthage, Cincinnati, O.
Eblinger D. A. Sanitary Mfg. Co., 181 Lucas, Columbus, O.
Fleck Bros. Co., 44 N 5th, Phila., Pa.
Fort Pitt Supply Co. ("Morus"), 332 2d av, Pittsburgh, Pa.
Haines Jones & Cadbury Co. ("Hojoca"), 1136 Ridge av, Phila., Pa.
Hogan Mfg. Co., 74 Grove, Hartford, Conn.
Hydraulic Specialty Co., 427 Walnut, Phila., Pa.
Johns-Manville Inc., Madison av & 41st, New York
Kelly Thos. & Bros. ("Octopus"), 3424 W Lake, Chicago, Ill.
Kretschmer Mfg Co. ("Faultless" Double Flush), Dubuque. Ia.
McCambridge Co., 315 N 20th, Phila., Pa.
Muchenhirm C. H. Closet Co., Detroit, Mich.
Nelson N. O. Mfg. Co., 10th & Chestnut, St. Louis, Mo.
Peerless Selling Co., Evansville, Ind.
Pittsburgh Brass Mfg. Co. ("Bak-Push"), Penn & 32nd, Pittsburgh, Pa.
Raub Supply Co., Lancaster, Pa.
Sherwood Brass Wks. ("Maxco" Seat Operated), 6331 Jefferson E., Detroit, Mich.
Teachen Jas. M. ("Vitro"), 5155 Cass, Detroit, Mich.
Van Arnam Mfg. Co. ("Van-Ar-Co"), Fort Wayne, Ind.
Washington Iron Works ("Washington"), 1141 Mateo, Los Angeles, Cal.
Weiskittel A. & Son Co., 12th & E Lombard, Baltimore, Md.

16676—Water Closets (School, Institution, Etc.)

See also Water Closet Ranges

Adee Fred Co., 3 Cliff, New York
Aird-Don Co., Troy, N. Y.
American Foundry & Furnace Co. (Iron Closet), Bloomington, Ill.
American Sanitary Works ("B. O. T."), Washington, N. J.
Automatic Chemical Closet Co. ("Auto-Kem-Clo," Vitreous China, Chemical), 1528 Wash. av, N Minneapolis, Minn.
Clow Jas. B. & Sons, Franklin & Harrison, Chicago, Ill.
Douglas Jno. Co., Carthage, Cincinnati, O.
Ebinger D. A. Sanitary Mfg. Co., 181 Lucas, Columbus, O.
Federal-Huber Co., 234 N Halsted, Chicago, Ill.
Kelly Thos. & Bros. ("Kelly" Seat Action), 3424 W Lake, Chicago, Ill.
Meyer-Sniffen Co., 11 W 48th, New York
Mott J. L. Iron Works, Trenton, N. J.
Nelson N. O. Mfg. Co., 10th & Chestnut, St. Louis, Mo.
Raub Supply Co., Lancaster, Pa.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Van Arnam Mfg. Co. ("Van-Ar-Co"), Fort Wayne, Ind.
VOGEL JOSEPH A. CO., 1203 Lombard, Wilmington, Del.
Washington Iron Works ("Washington"), 1141 Mateo, Los Angeles, Cal.

16677—Water Closets (Ship)

Adams & Westlake Co., 319 W Ontario, Chicago, Ill.
Bishop's Wm. Sons, 18 James, New York
Curtiss J. H. Co., 2 South, New York
Jenkins Mfg. Co., Bloomfield, N. J.
Kelly Thos. & Bros., 3424 W Lake, Chicago, Ill.

(Continued on following page)

Water Closets (Ship)—Continued

Laughlin Thos. Co. ("Belmont," "Burton," "Casso," "Dirigo," "Elmore," "Foster," "Jefferson," "Mallard," "Norfolk," "Oxford," "Simplex," "Sterling," "Victor," "Warren"), 135 Fore, Portland, Ore.
See adv index at end of book
Mott J. L. Iron Works, Trenton, N. J.
National Gauge Co., 300 Pacific, Brooklyn, N. Y.
Sands Alfred B. & Son Co., 20 Vesey, New York
Webb F. W. Mfg. Co., 56 Elm, Boston, Mass.

16678—Water Columns (Plain)

Bordo L. J. Vo. (Inc.), ("Bordo"), 12th & Thompson, Phila., Pa.
Buckeye Iron & Brass Works, Dayton, O.
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Kelly & Jones Co., The, Greensburg, Pa.
See adv index at end of book
Lonergan J. E. Co., 211 Race, Phila., Pa.
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati,O. *See adv index at end of book*
McNab & Harlin Mfg. Co. (Steam & Water Gauges), Paterson, N. J.
Mushet W. E. Co. (Dlrs.), 700 2d, San Francisco, Cal.
National Tube Co., Frick bldg, Pittsburgh, Pa.
Powell Wm. Co. (Iron Bronze Mounted), 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.
Steigert L. Co., Logan & Elder, Cincinnati, O.
U. S. Wind & Engine Pump Co., Water, Batavia, Ill.
Walworth Mfg. Co., Boston, Mass.

16679—Water Columns (Railroad)

See also Cranes (Water, Locomotive)

Am. Valve & Meter Co. ("Poage's" Column Only), Spring Grove av, Cincinnati, O.
Chicago Bridge & Iron Works (or Stations), 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book
FAIRBANKS, MORSE & CO., 900 S Wabash av, Chicago, Ill.
See adv index at end of book
Graver Corp., 4020 Todd av, E Chicago, Ind. *See adv index at end of book*
Horton Steel Works, Ltd., 118 Janet st, Bridgeburg, Ont., Can.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Nelson Jos. E. & Sons, 3240 S. Michigan blvd, Chicago, Ill.
PITTSBURGH-DES MOINES STEEL CO., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Snow T. W. Construction Co. (Engineers & Bldrs.), 332 S La Salle, Chicago, Ill.
U. S. Wind Engine & Pump Co., Batavia, Ill.

16680—Water Columns (Safety)

Berry Engng. Co. ("Berry"), Chester, Pa.
Binghamton Machine Works ("Turner"), Binghamton, N. Y.
Buckeye Iron & Brass Works, Dayton, O.
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Huyette Paul B. Co., 5H S 18th, Phila., Pa.
Jarvis Engine & Machine Works ("Jarvis," "Our Pet"), Lansing, Mich.
Kelly & Jones Co., The, Greensburg, Pa.
See adv index at end of book
Kitts Mfg. Co., Oswego, N. Y.
Lawler Regulator Co., 453 N Railroad av, Mt. Vernon, New York
Lonergan J. E. Co., 211 Race, Phila., Pa.
LUNKENHEIMER CO. ("Vigilant" Combination), Executive Offices & Factories Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Mushet W. E. Co. (Alarm, Dlrs.), 700 2d, San Francisco, Cal.
Nason Mfg. Co. (Special Fancy Philadelphia), 71 Fulton, New York
See adv index at end of book
Pittsburgh Gage & Supply Co. ("Pittsburgh"), 30th & Liberty av, Pittsburgh, Pa
Powell Wm. Co., 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Reliance Gauge Column Co. ("Reliance"), Cleveland, O.
ROBERTS STEAM SPECIALTY CO. ("Roberto"), 5318 St. Clair av, Cleveland, Ohio
Stigert L. Co. ("Sims," "U. S." Water Indicator), Logan & Elder, Cincinnati, O.
U. S. Wind & Engine Pump Co., Water, Batavia, Ill.
Williams Gauge Co. ("Williams" High & Low Alarm), 543 4th av, Pittsburgh, Pa.
Wright-Austin Co. ("Wright" Alarm), 315H Woodbridge W, Detroit, Mich.

16681—Water Cooling Apparatus

Audiffren Refrigerating Machine Co., 2211 West st bldg, New York
See adv index at end of book
Baker Ice Machine Co., Omaha, Neb.
Blaw-Knox Co, Freeport rd, Hoboken, Pa.
COOLING TOWER CO. INC. (THE), 15 John, New York
See adv index at end of book
Wheeler C. H. Mfg. Co., Lehigh & 18th, Phila., Pa.

Water Cooling Towers

See Towers (Water Cooling)

16682—Water Distilling Apparatus

BARNSTEAD STILL & STERILIZER CO., INC., (Electricity, Gas, Steam or Oil), 3 Lanesville Terrace, Boston 30, Mass.
See adv index at end of book
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
GRISCOM-RUSSELL CO., 92 West, New York *See adv index at end of book*
Jewell Polar Co., 9 S Clinton, Chicago, Ill.
Standard Water Systems Co. ("Tripure"), Hampton, N. J.
United Iron Works, Inc., Kansas City, Mo.

16683-4—Water Gas Apparatus

Gas Engineering Co., Trenton, N. J.
Improved Equipment Co. (Blue Water Gas Plants for Industrial Plants), 60 Wall, New York
Lebanon Boiler Works, Lebanon, Pa.
Missouri Fire Brick Co. (Linings), Security bldg, St. Louis, Mo.
Western Gas Construction Co. (Plants for Industrial Plants), 1431 Buchanan, Ft. Wayne, Ind.

Water Gates

See Valves, Gate, for Water Mains

16685—Waterproofing (Boot, Shoe or Leather)

Commercial Chemical Co. ("X. L. N. C."), 212 Essex, Boston, Mass.
Prufo Products Co. ("Prufo"), 54 Union av, Portland, Ore.
Selz Best Mfg. Co., 13 Kinzie ("No-Wet" Dressing), Chicago, Ill.
Viscol Co., Cambridge, Mass.

16686—Waterproofing (Cloth)

Bendus J. V. & Co., 39 Cortlandt av, New York
Daniels C. R. Inc., 114-115 South, New York
See adv index at end of book
Fulton Bag & Cotton Mills, Atlanta, Ga.
Humphrys' R. A. Sons, 1026 Callowhill, Phila., Pa. *See adv index at end of book*
Lehon Co. ("Mule Hide," "Seal-Skin," "Black Bear," "Nubian," "Lehon's"), 4451 S Oakley av, Chicago, Ill.
Price Fire & Waterproofing Co. ("Price" Fabrics of All Kinds), Poughkeepsie, N. Y.
Prufo Products Co. ("Prufo"), 54 Union av, Portland, Ore.
Stanley Wm. W. (Also Fireproof), 50 Church, New York
Stowe & Woodward Co., Brockton, Mass.

Waterproofing Compounds

See Waterproofing Materials

16687—Waterproofing Materials

See also Paints, Damp Resisting

Acme White Lead & Color Works, St. Aubin & M. C. R. R., Detroit, Mich.
American Insulation Co., Nicetown, Phila., Pa. *See adv index at end of book*
American Roofing Co. (Paint), 15th & Blue River, Kansas City, Mo.
Am. Wood Preserving Co. ("Antiseptine," "Damp Dam," Paints & Cements), 3743 N Marshfield av., Chicago, Ill.
Antakwa Co. ("Antakwa" Colorless), 1329 Mohawk, Chicago, Ill.
Anti-Hydro Waterproofing Co. ("Anti-Hydro"), 9 Orchard, Newark, N. J.
Anti-Stick Co. ("Anti-Damp"), Westerville, O.
Aquabar Waterproofing Products ("Aquabar"), Perry bldg, Phila., Pa.
Arco Co., Euclid av & E 65th, Cleveland, O.
Arlington Mfg. Co., Canton, O.
Atlas Co. (Damp Proofing Compounds), Lincoln, N. J.
Bakelite Corp., 247 Park av., New York
See adv index at end of book
Barber Asphalt Co. ("Genesco" Positive Seal), Land Title bldg, Phila., Pa.
Barlith Co. ("Barlith"), 1145 16th, San Francisco, Cal.
Barrett Co. ("Hydronon" Paint), 40 Rector, New York
Becker-Moore Paint Co. (Paint), 2d & Soulard, St. Louis, Mo.
Billings Chapin Co. ("Driwal"), 1163 E 40th, Cleveland, O.
Betts C. G. Co., 1202 E. Sprague, Spokane, Wash.
BINSWANGER B. & CO. (Paint), 835 N 3d, Phila., Pa.
Bird & Son ("Neponset," "Parine" Paint), East Walpole, Mass.
Bitu-Mortar Waterproofing Co. (Cement Products), 280 Madison av, New York
Blood T. L. & Co. ("Blood's" Cement-Concrete Coating), 413 Wacouta, St. Paul Minn.
Boydell Bros. White Lead & Color Co., 432 E Lafayette, Detroit, Mich.
BROOKS & DOERR ("Imperial" & "Waterex"), 625 Market, San Francisco, Cal.
Byerly & Sons ("Byerlyte"), 2489 W 4th, Cleveland, O.
Cabot Sam'l (Inc.) (Brick, Stone & Cement), 141 Milk, Boston, Mass.
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Carey Philip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, Ohio
Cement Finish Co., 103 Park, New York
Century Mfg. Co. ("Century"), 272 W Genesee, Buffalo, N. Y.
Ceresit Waterproofing Corp, 10 S La Salle, Chicago
Certain-teed Products Corp., Boatman's Bank bldg, St. Louis, Mo.
Chemical Products Co., 44K S Boston, Mass.
Chatfield Mfg. Co. ("Carbo" Black Enamel, Paint), Carthage, Cincinnati, O.
Commercial Chemical Co. ("X. L. N. C."), 212 Essex, Boston, Mass.
Conrad Wood Preserving Co. ("Conrad's"), 118 Plymouth av, Minneapolis, Minn.
Continental Products Co., Quebec av, Cleveland, O.
Day Jas. B. & Co., 224 W Superior, Chicago, Ill.
Detroit Graphite Co. ("Anti-Aqua," "Degraco"), 518 12th, Detroit, Mich.
Devoe & Raynolds Co. Inc., ("Devoe"), 101 Fulton, New York
Dexter Bros. Co. ("Petrifax" Damp Resisting Coating), 105 Broad, Boston, Mass.
Doggett Stanley (For Cement Work), 11 Cliff, New York
Donley Bros. Co. (The) (Foundation coating), 13935 Miles av, Cleveland, Ohio
See adv index at end of book
Dura Crete Products Co. ("Dura Crete"), 223 Minna, San Francisco, Cal.
Eberhardt & Co. ("Ebco"), Green Briar & Derwin, Indianapolis, Ind.
Elaterite Paint & Mfg. Co. ("Des Moines Elaterite" Cement), Des Moines, Ia.
Elaterite Varnish & Rubber Co. ("Elaterite"), 55th & Alameda, Los Angeles, Cal.
Fibroc Insulation Co. ("Fibroc"), cor Campbell, Valparaiso, Ind.
See adv index at end of book
Flintkote Co. ("Plastic"), 88 Pearl, Boston, Mass.
Forest City Paint & Varnish Co. (Paint), 3334 Lakeside av, Cleveland, O.
Fort Pitt Oil & Paint Co. (Paint), 3206 Penn av, Pittsburgh, Pa.
French Sam'l H. & Co. (Paint), 4th & Callowhill, Phila., Pa.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Garden City Sand Co. (Paint Dealers), Chamber of Commerce bldg, Chicago, Ill.
General Fireproofing Co., Youngstown, O.
See adv index at end of book
Glidden Co. ("Glidden's" Waterproof Concrete & Cement Floor Dressing), Madison av & Berea rd, Cleveland, O.
Grote Geo. W. & Co., 430 E 162nd, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Heath & Milligan Mfg. Co. (Cement Coating), 1833 Seward, Chicago, Ill.
Hercules Waterproof Cement Co. ("Hercules," Compound for Tunnels, Roofs, etc), Jackson bldg, Buffalo, N. Y.
Hettrick Mfg. Co., Toledo, O.
Horn A. C. Co. (Symentrex & Dehydrating), Horn bldg, Long Island City, N. Y.
Hunkins-Willis Lime & Cement Co. (Dlrs.), Century bldg, St. Louis, Mo.
Hydrex Asphalt Products Corp., 120 Liberty, New York
Imperial Co., 142 Stillman, San Francisco, Cal.
Imperial Paint Co. ("Impaco"), 80 10th, Long Island City, N. Y.
Imperial Water Proof Co. ("I. W. P." Compounds), 218 S Wabash, Chicago, Ill.
Insulite Chemical Co. ("Insulite"), Aurora, Ill.
Insulite Products Co., Inc., 240 Salmon, Portland, Ore.
Integral Waterproofing Co. ("Integral" for Cement), 80 Front, New York
Ironite Co. ("Ironite" for Concrete, Brick & Stone), 111 W Wash. Chicago, Ill.
Jamestown Paint & Varnish Co. ("Aqua-Nit"), Jamestown, Pa.
Johns-Manville Inc. ("Aquadam" Felts, Fabrics, Cements, Coatings, etc.), Madison av & 41st, New York
Koppers Co. ("Koppax"), Union Arcade, Pittsburgh, Pa.
Lamson John S. & Bro., 347 Madison av, New York
Lehon Co. ("Mule Hide," "Black Bear," "Seal Skin," "Nubian," "Lehon's" Paint & Paper), 4451 S. Oakley av, Chicago, Ill.

Lowe Bros. Co. (Paint), Dayton, O.
McHenry-Millhouse Mfg. Co. (Paint), South Bend, Ind. & Fulton, N. Y.
Magic Leather Treatment Co., 1577 Franklin, Detroit, Mich.
Malmed A. T. & Co. ("Quickstone"), 1713 Sansom, Phila., Pa.
Masonry Waterproofing Co. (Larutan System), 307 Herkimer, Brooklyn, N. Y.
Master Builders Co. ("Master Builders" Paste, Powder & Liquid), Union bldg. Cleveland, O.
Metals Coating Co. of Amer. ("Schoop" metal), 495 N 3d, Phila., Pa.
Minwax Co. ("Minwax"), 18 E 41st, New York
Mitchell-Rand Mfg. Co. 26 Vesey, New York
Monarch Paint Co. (Paint), W 70th, Cleveland, O.
Morene Products Co., Inc. ("Petrofluid" & Kemisol"), 245H W 28th, New York
Moulding Thomas Brick Co. ("T. M. B."), 133H W Washington, Chicago, Ill.
Mound City Paint & Color Co. (Paint), 11th & Mullanphy, St. Louis, Mo.
Munns E. A. Kalsomine Co. (Paint), 26 Court, Brooklyn, N. Y.
National Fibreform Co. "(Sealkote"), 16th & Arkansas, San Francisco, Cal.
National Roofing Co. ("Retaw," "Stuckote"), Tonawanda, N. Y.
Neuchatel Asphalte Co., 79 Tompkins, New York
Nevin T. H. Co. (Paint), Island & Preble, Pittsburgh, Pa.
New Jersey Paint Works (Paint) (Louderbough, Hy, Prop), Wayne, Jersey City, N. J.
North Jersey Paint Co. ("Edison" Paint), Stewartville, N. J.
Ohmlac Paint & Refining Co. (Paint), 140 S Dearborn, Chicago, Ill.
Parker C. H. Co., Valparaiso, Ind.
Parker, Preston & Co. (Brick & Stone), Norwich, Conn.
Patton Paint Co. ("Cementhide"), Milwaukee, Wis.
Pioneer Asphalt Co., Lawrenceville, Ill.
Preservative Products Co. ("Esco," 1133 B'way, New York
Price Fire & Water-Proofing Co. ("Price" for Fabrics, also for Cement, Concrete & Brick), Poughkeepsie, N. Y.
PROTEXOL CORP., 41 Barclay, New York
See adv index at end of book
Rainoil Waterproof Paint & Products Co., 1717 Westlake av N., Seattle, Wash.
Ralston W. & Co., Inc. ("Drypack" Boards), Niagara Falls, N. Y.
Rezilite Mfg. Co. ("Rezilite" Damp Coat), Peoples Gas bldg, Chicago, Ill.
Richmond Bros. ("Cemeline"), 114 W. 5th, Cincinnati, O.
Rinald Bros. Paint Works Inc., Gray's Ferry Road & Grove, Phila., Pa.
Robeson Preservo Products Co. ("Preservo"), Port Huron, Mich.
RUBEROID CO. ("Ruberoid"), 95 Madison av, New York
See adv index at end of book

RU-BER-OID
Cement-waterproofing

A bituminous compound used to render cement-mortar facings or stucco impervious to moisture. Mixed with Portland cement, it makes leaky cellars and pits bone dry.

The RUBEROID Co.
95 Madison Avenue New York

Sandusky Cement Co. ("Medusa" Cement), Engineers' bldg, Cleveland, O.
Schwenker W. M. (Compounds), 342 E 92d, New York
Semet-Solvay Co. ("Solvay," Concrete Coating), Syracuse, N. Y.
Sherwin-Williams Co. (Paint), Cleveland, O.
Sonneborn L. Sons ("Cemcoat," "Hydrocide," Damp Proofing), 114 5th av, New York
Southwestern Paint & Varnish Co. (Paint), 610 Broadway, Kansas City, Mo.
Stanley Wm. W., 50 Church, New York
Storm Waterproofing Corp. ("Watertite Paste"), 417 5th av, New York
Street J. D. & Co. (Paint), 41st & Park, St. Louis, Mo.
Structural Slate Co. (The), 101 Marietta, Pen Argyl, Pa. (With Natural Slate Blackboard Co., Pen Argyl)
See adv index at end of book
Suydam M. B. Co. (Paint), 61st & Butler, Pittsburgh, Pa.
Texas Company (The), Dept. D, 17 Battery Place, New York
See adv index at end of book
Thompson & Co. (Bondkote"), 857 W North av, N S, Pittsburgh, Pa.
Thomson Wood Finishing Co. (Concrete Waterproof Paint), 329 N. 3rd, Phila., Pa. *See adv index at end of book*
Toch Bros. ("Toxemont," Powder, and Self-Healing Bridge Cement, 320 5th av, New York
Tropical Paint & Oil Co. ("Tropical" Paint), W 70th, Cleveland, O.
Truscon Laboratories ("Fibrotex," "Ferri Tex"), Caniff & G. T. R. R., Detroit, Mich.
U. S. Gutta Percha Paint Co. (Paint), 12-30 Dudley. Providence, R. I.
Universal Coatings Corp. ("Maritimo"), 38 Water, New York
Vitrifyx Co., 2528 W. Congress, Chicago, Ill.
Wadsworth, Howland & Co. ("Bay State" Brick & Cement Coating), 141 Federal, Boston, Mass.
Waterproof Paint Co. (Paint), Watertown, Mass.
Waterproofing Co. (For Cellar, Subways, Reservoirs, Tunnels, etc), 345 E 33d, New York
Wearcrete Engineering Co. (For Concrete), H, Peoples Gas bldg, Chicago, Ill.
Western Elaerite Roofing Co., Equitable bldg, Denver, Colo.
Westinghouse Electric Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book
Wolf-Jacques & Co., Passaic, N. J.
Zibell Damp Resisting Paint Co. ("Alkacene" Waterproof Portland Cement, Liquid Concrete, Lime, Mortar & Plaster), 191 Culver av, Jersey City, N. J.

16687a—Waterproofing Materials (For Concrete)

Arabol Mfg. Co., 110 E 42nd, New York
Barlith Co. (The) ("Barlith"), 1145 16th, San Francisco, Cal.
Cal. Chemical Co., Inc., Hagerstown, Md.
Conrad Wood Preserving Co. ("Conrad's"), 118 Plymouth av, Minneapolis, Minn.
Horn A. C. Co., Horn bldg, Long Island City, N. Y.
Imperial Co., 142 Stillman, San Francisco, Cal.
Integral Waterproofing Co., Inc., 80 Front, New York
Ironite Co., 111 W Wash, Chicago, Ill.
Klein Mfg. Co., H American Trust bldg, Cleveland, Ohio
Malmed A. T. & Co. ("Quickstone"), 1713 Sansom, Phila., Pa.
Price Fire & Water Proofing Co., Poughkeepsie, N. Y.
Protexol Corp., 41 Barclay, New York
See adv index at end of book
Rezilite Mfg. Co. ("Rezilite"), Peoples Gas bldg, Chicago, Ill.
RUBEROID CO. ("Ruberoid"), 95 Madison av, New York
See adv index at end of book
Thomson Wood Finishing Co., 329 N. 3rd, Phila., Pa. *See adv index at end of book*
Toch Bros., 320 5th av, New York
Vitrifyx Co., 2528 W. Congress, Chicago, Ill.
Warren Chemical Division (The Barrett Co.), 17 Battery pl, New York

16688—Water Purifying & Filtering Apparatus

Best & Co., 320 Market, San Francisco, Cal.
California Filter Co., 465 California, San Francisco, Cal.
Devine J. P. Co., Buffalo, N. Y.
GRAVER CORP., 4020 Todd av, E Chicago, Ind.
See adv index at end of book
GRISCOM-RUSSELL CO., 92 West, New York *See adv index at end of book*
Hill Pump Valve Co., 4001-21 Belmont av, Chicago, Ill.
Hungerford & Terry, Inc., Dept. H, Clayton, N. J.
International Filter Co., 333 W. 25th Place, Chicago, Ill.
Jewell Polar Co., 9 S Clinton, Chicago, Ill.
National Percolator Co., Inc. ("Duplex"), 332 S. Los Angeles, Los Angeles, Cal.
New York Continental Jewell Filtration Co., Nutley, N. J.
PAIGE & JONES CHEMICAL CO. ("Paige-Jones"), 80 Marble, Hammond, Ind.
See adv index at end of book

WATER SOFTENING AND FILTRATION
Paige & Jones Chemical Co.
Incorporated
80 Marble St. HAMMOND, IND. 248 Fulton St. NEW YORK

SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
Standard Water Systems Co. ("Tripure"), Hampton, N. J.

16688a—Water Softening Plants (Railroad)

Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
See adv index at end of book

16689—Water Softening & Purifying Apparatus

Am. Water Softener Co. ("American"), 4th & Lehigh, Phila., Pa.
Best & Co., 320 Market, San Francisco, Cal.
California Filter Co., 465 California, San Francisco, Cal.
Climaline Co. ("Climaline"), 1022 9th, S W, Canton, O.
Compound Injector & Specialty Co. ("Rehn's" for Water Backs, Coils, Heaters, etc), 419 N Laramie av, Chicago, Ill.
Dodge Mfg. Corp., Mishawaka, Ind.
Dover Boiler Works (To Order). Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Graver Corp. ("Bartlett," "Graver"), 4020 Todd av, E. Chicago, Ind.
See adv index at end of book

WATER SOFTENERS
For Boiler Plants, Ice Plants and Railroads. Hot Process, Cold Continuous Process, Intermittent and Zeolite Water Softeners. All capacities for any purpose. Our Technical Department will furnish analysis and data without cost.
WATER PURIFICATION EQUIPMENT
GRAVER CORPORATION
4020 Todd Ave., East Chicago, Ind.

Hammond Engineering Co., Warren, Pa.
Hungerford & Terry, Inc. ("Hungerford"), Dept. H, Clayton, N. J.
International Filter Co. ("International" Feed Water), 333 W. 25th Place, Chicago, Ill.
Jewell Polar Co., 9 S Clinton, Chicago, Ill.
Leigh & Butler ("Archbutt-Deeley" System), 232 Summer, Boston, Mass.
New York Continental Jewell Filtration Co., Nutley, N. J.
Northern Water Softener Co., Madison, Wis.
PAIGE & JONES CHEMICAL CO. ("Paige-Jones"), 80 Marble, Hammond, Ind.
See adv index at end of book

WATER SOFTENERS
•ZEOLITE *(Upward Flow)*
and Lime-Soda Softeners
Paige & Jones Chemical Co.
Incorporated
80 Marble St. HAMMOND, IND. 248 Fulton St. NEW YORK

Permutit Co. ("Permutit"), 440 4th av, New York
Pittsburgh Filter & Engng. Co., 619H Farmers Bank bldg, Pittsburgh, Pa.
Power Plant Specialty Co. ("Vater" Hot Process), 442 S Dearborn, Chicago, Ill.
Refinite Co., Omaha, Nebr.
Reisert Automatic Water Purifying Co., 23 E 26th, New York
Richmond Water Softener Co. ("Fetta"), **Hot or Cold Process, also for Domestic Use), Richmond, Ind.**
Roberts Filter Mfg. Co., Darby, Pa.
Russell-Kinkaid Co., 2729 Quinn, Chicago Ill.
SCAIFE WM. B. & SONS CO. ("Scaife" & "We-Fu-Go" Systems), First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
Snow T. W. Const. Co. (Engineers & Bldrs), 332 S La Salle, Chicago, Ill.
Standard Water Systems Co. "Tripure"), Hampton, N. J.
Wallace & Tierman Co. Inc., 1 Mill, Belleville, N. J.
Warner Chemical Co., 52 Vanderbilt av, New York

16689a—Water Stations (Railroad)

Chicago Bridge & Iron Works, 2105 Transportation bldg, Chicago, Ill.
See adv index at end of book
Columbiana Boiler Co., Columbiana, Ohio
Nelson Jos. E. & Sons, 3240 S. Michigan blvd, Chicago, Ill.
Pittsburgh-Des Moines Steel Co., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Snow T. W. Construction Co., 332 S La Salle, Chicago, Ill.
U. S. Wind Engine & Pump Co., Water, Batavia, Ill.

16690—Water Supply Systems

Aldrich Pump Co., Foot of Pine, Allentown, Pa.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
Barnes & Fisher Mfg. Co., 2931 av S, Seattle, Wash.
Brackett Shaw & Lunt Co., 1 Washington, Boston, Mass.
Chicago Pump Co. (Automatic Electric Pneumatic For Domestic Water Supply, 2342 Wolfram, Chicago, Ill.
Church Stephen B. ("Church" Pneumatic), Seymour, Conn.
Cochran Chemical Co., 432 Danford av, Jersey City, N. J.

(Continued on following page)

Water Supply Systems—Continued

Crane Co., 836 S. Michigan av, Chicago, Ill.
See adv index at end of book
Dayton Pump & Mfg. Co., Dayton, O.
DEMING CO. ("Atlas," "Marvel," "Climax"), Salem, O.
See adv index at end of book
Doward Pump Co., 417 Market, San Francisco, Cal.
Duro Pump & Mfg. Co. ("Duro"), Dayton, Ohio
ECONOMY PUMPING MACHY. CO. (Automatic Electric), 100-126 N Curtis, Chicago, Ill.
See adv index at end of book
Erwin & Co., 3736 Cottage Grove av, Chicago, Ill.
Eugene Concrete Pipe Co., Eugene, Ore.
Fitz Water Wheel Co., Hanover, Pa.
Foos Gas Engine Co., 800 Monroe, Springfield, O.
Ft. Wayne Engng. & Mfg. Co. ("Paul"), Ft. Wayne, Ind.
Goulds Mfg. Co., Seneca Falls, New York
See adv index at end of book
Kaustine Co., Inc. ("Kaustine"), Niagara Life bldg, Buffalo, N. Y.
Kewanee Private Utilities Co. "Kewanee," Pneumatic), West Side, Kewanee, Ill.
Leader Iron Works, Decatur, Ill.
Leader-Trahern Co. (For Factories or City or Country Homes, Electric Motor & Engine Drive), 707 S Main, Rockford, Ill.
Milwaukee Air Power Pump Co., 886 3rd, Milwaukee, Wis.
Monarch Engineering Co. ("Monarch"), 230 1st, Dayton, O.
Murphy & Walsh, Pekin, Ill.
MYERS F. E. & BRO. CO. ("Myers," "Myers Hydro-Pneumatic," "Myers Electric," Electric House & "Myers" Self-Oiling Power Water Systems), 950 Orange, Ashland, O.
See adv index at end of book
National Utilities Corp. (Fresh), Belleview pl & River, Milwaukee, Wis.
Pittsburgh-Des Moines Steel Co., 804 Curry bldg, Pittsburgh, Pa.
See adv index at end of book
Royal Steam Heater Co., Gardner, Mass.
Sloan Sam'l & Co. ("Sloan's Superior"), Rochester, N. Y.
Southern Auto & Machinery Co., 116 Roberts av, St. Louis, Mo.
Standard Pump & Engine Co. ("Standard" Pumping Engines), Akron, O.
Sterling Pump Works, Inc. ("Sterling"), 646 S California, Stockton, Cal.
Swanstrom Mfg. Co., Hammond, Ind.
Termaat & Monahan Mfg. Co., Oshkosh, Wis.
Valle-Kimes Co., Dayton, O.
Weber Subterranean Pump Co. ("Weber" Compressed Air System Operated), 50 E 42d, New York

16691—Water Towers (Fire Boat)

Graver Corp., 4150 Todd av, E. Chicago, Ind. *See adv index at end of book*
Woodhouse Mfg. Co. ("Woodhouse"), 35 Warren, New York

16692— Water Wheels

See also Turbine Water Wheels

Barnard & Leas Mfg. Co. ("Moline-McCormick" Turbine), 403 20th, Moline, Ill.
Blymyer Iron Works Co. (Over Shot), Cincinnati, O.
Cunningham Allen Co., Inc., 7500 Carleton av, Seattle, Wash.
Fitz Water Wheel Co., Hanover, Pa.
Hallidie Company, Spokane, Wash.
Hunt Rodney Mach. Co. (Rim Leverage), Orange, Mass.
Knight & Co. (100 to 2,500 H. P.), Sutter Creek, Cal.
Leffel Jas. & Co., East St. Springfield, Ohio
McFarlane-Eggers Machy. Co., 2763 Blake, Denver, Col.
Mecklenburg Iron Works, 510H W Trade, Charlotte, N. C.
Pelton Water Wheel Co., 19th & Harrison, San Francisco, Cal., & 100 B'way, New York
Salem Fdry & Machine Works, Salem, Va.
Savage W. J. Co., Knoxville, Tenn.
Seattle Machine Works, Inc., 37-51 W Lander, Seattle, Wash.
SMITH S. MORGAN CO. ("Smith," "McCormick" & "Success"), P. O. Box 667, York, Pa.
Squier Geo. L. Mfg. Co. ("Buffalo" Overshot, Undershot & Breast), B'way & Mortimer, Buffalo, N. Y.
Trump Mfg. Co., Springfield, O.
United Iron Works ("Tuthill"), Oakland, Cal.
Walker Mfg. Co. ("Pelton" Type), 2156 5th, Denver, Colo.
Wellman-Seaver-Morgan Co., E. 70th & Central av, Cleveland, Ohio
Wolf Co. ("Wolf," "Keiser"), Chambersburg, Pa.
Worthington Pump & Machinery Corp., 115 Broadway, New York

16692a—*Water Works Supplies

See also Gas & Water Work Supplies

Crane Co., 836 S Michigan av., Chicago, Ill.
See adv index at end of book

16692b—Watertight Bells, Buzzers & Push Buttons

Manhattan Electrical Supply C., 17 Park pl, New York.

16693—*Watthour Meters (Prepayment, Recording)

Westinghouse Electric Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

16694— Wattmeters

BRISTOL CO. ("Bristol's" Recording), Waterbury, Conn.
See adv index at end of book
Duncan Electric Mfg. Co. ("Duncan" Direct & Alternating Current), Lafayette, Ind.
Du Vivier Ernest H. (Imp) (Dial & Recording), 30 Church, New York
Esterline-Angus Co. ("Esterline-Angus" Recording), Speedway City, Indianapolis, Ind.
Federal Elec. Co. ("Willis"), 8700 S. State, Chicago, Ill.
Fort Wayne Electric Works of General Electric Co. (Induction), Fort Wayne, Ind.
GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book
Hoskins Mfg. Co., 453 Lawton, Detroit, Mich.
Roller Smith Co. ("Roller-Smith" Portable & Switchboard), 233 B'way, New York
Western Electro Mechanical Co., Oakland, Cal.
Westinghouse Electric & Mfg. Co. ("Watthour" Portable Lamp Testing Volt-Wattmeter), East Pittsburgh, Pa.
See adv index at end of book
Weston Electrical Instrument Co., Waverly Park, Newark, N. J.

16695— *Wattmeters (Prepayment, Recording)

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*

16696— Wax (Bayberry)

Bromund E. A. Co., 258 B'way, New York
Clark F. C., 1406 N Central, Chicago, Ill.
Jacob Chas. W. & Allison (Imp.), 18 Cedar, New York
Mitchell-Rand Mfg. Co., 18H Vesey, New York
Riddle Chemical Co., 35 S Dearborn, Chicago
See adv index at end of book
Stevenson Bro. & Co., 110 Race, Phila., Pa.

Wax (Bees)

See Beeswax

16697— Wax (Cabinet)

Bowdlear W. H. Co. (Waxes from all countries), 69 Broad, Boston, Mass.
Brown D. P. & Co. (Jobbers), 264 N 4th, Phila., Pa.
Mitchell-Rand Mfg. Co., 26 Vesey, New York
Stevenson Bro. & Co., 110 Race, Phila, Pa.
Walton F. S. Co., Orthodox & Delaware, Phila., Pa.

16697a— Wax (Candelilla)

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Mitchell-Rand Mfg. Co., 26 Vesey, New York
Scheel Wm. H., 179 Water, New York
SMITH & NICHOLS, INC. ("Star Brand"), 121 Maiden Lane, New York

16698— Wax (Carnauba)

American Trading Co., 25 Broad, New York
Behrend F., 170 Front, New York
Clark F. C., 1406 N Central, Chicago, Ill.
Columbia Wax Works, 749 E 17th, New York
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Francesconi J. C. & Co. (Imp.), 12 Water, New York
General Commercial Co., Ltd. of U. S. (Imp.), 90 W B'way, New York
Hirsch Adolph & Co. (Imp), 63 Park Row, New York
Jacob Chas. W. & Allison (Imp.), 18 Cedar, New York
Mitchell-Rand Mfg. Co., 26 Vesey, New York
Riddle Chemical Co., 35 S Dearborn, Chicago
See adv index at end of book
Scheel Wm. H., 179 Water, New York
See adv index at end of book
SMITH & NICHOLS, INC., ("Star Brand"), 121 Maiden Lane, New York
Standard Wax & Import Co. (Imp.), 110 E 42nd, New York
Stevenson Bro. & Co., 110 Race, Phila., Pa.
Strahl & Pitsch (Imp.), 141 Front, New York
Whittemore-Wright Co. (Imported), Charlestown, Boston, Mass.

16698a— Wax (Ceresine)

Bauer Philip Co., 58 Park pl, New York
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Innis, Speiden & Co., Inc., 46 Cliff, New York
Maillard & Schmiedell (Mfrs. Agt.), 303 California, San Francisco, Cal.
Mitchell-Rand Mfg. Co., 26 Vesey, New York
Riddle Chemical Co. (White & Yellow), 35 S Dearborn, Chicago
See adv index at end of book
Salomon L. A. & Bro., 216 Pearl, New York
Scheel Wm. H., 179 Water, New York
See adv index at end of book
SMITH & NICHOLS, INC. ("Star Brand"), 121 Maiden Lane, New York

16699—Wax (Dry Battery)

American Trading Co., 25 Broad, New York
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Cochrane Chemical Co., 221 Randolph av, Jersey City, N. J.
Dicks-Pontius Co., Dayton, O.
Dielectric Mfg. Co., 224 Vanderventer av, St. Louis, Mo.
Insulating Co., 1 B'way, New York
Insulating Materials Co. (& Storage), 5133 Wesson, Detroit, Mich.
McGill Mfg. Co., 26 Oak, Valparaiso, Ind.
See adv index at end of book
Mineraliac Elec. Co., 1045 Washington blvd, Chicago, Ill.
Mitchell-Rand Mfg. Co., 26 Vesey, New York
Protexol Corp., 41 Barclay, New York
See adv index at end of book
Standard Asphalt & Rubber Co., 208 S La Salle, Chicago, Ill.
Stevenson Bro. & Co., 110 Race, Phila., Pa.
Trotter E. T. & Co., 602 Johnson av, Brooklyn, N. Y.
Zinsser Wm. & Co., 195 William, New York

16699a—Wax (Electrotypers')

Cantol Wax Co., Dept. H, Bloomington, Ind.

Wax Heads & Fixtures

See Names in Window Display Fixtures with the Words Wax-Figures Following their Names

16700—Wax (Insulated Wire)

Candy & Co. Inc. ("Candy's"), 403 N Paulina, Chicago, Ill.
Empire Oil Works, Oil City, Pa.
Halowax Corp., 247 Park av, New York
Mitchell-Rand Mfg. Co., 26 Vesey, New York
SMITH & NICHOLS, INC. ("Star Brand"), 121 Maiden Lane, New York
Standard Wax & Import Co. (Imp.), 110 E 42nd, New York
Strahl & Pitsch (Imp.), 141 Front, New York
Trotter E. T. & Co., 602 Johnson av, Brooklyn, N. Y.

16701— Wax (Japan)

Bird J. A. & W. & Co. (Imp.), 348 Concord sq, Boston, Mass.
Clark F. C., 1406 N Central, Chicago, Ill.
Francesconi J. C. & Co. (Imp.), 12 Water, New York
Frost F. W. & Co. (Imp.), 60 Wall, New York
Lathrop H. B. & Co., 116 Beekman, New York
Mitchell-Rand Mfg. Co., 26 Vesey, New York
Mitsui & Co. Ltd. (Imp. Vegetable), 65 Broadway, New York
Morningstar Chas. & Co. Inc. (Imp.), 650 W 34th, New York
Riddle Chemical Co., 35 S Dearborn, Chicago
See adv index at end of book
Salomon L. A. & Bro., 216 Pearl, New York
Scheel Wm. H., 179 Water, New York
See adv index at end of book
SMITH & NICHOLS, INC. ("Star Brand"), 121 Maiden Lane, New York
Stevenson Bro. & Co., 110 Race, Phila., Pa.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y.
See adv index at end of book

16702— Wax Melter & Dropper (Electric)

Vulcan Electric Heating Co. ("Vulcan" for Sealing Packages, etc), 107 W 13th, New York

16702a— Wax (Montan)

Bauer Philip Co., 53 Park pl, New York
Henle S., Inc., 8 Bridge, New York
Innis, Speiden & Co., Inc. (Crude & Refined), 46 Cliff, New York
Mitchell-Rand Mfg. Co., 26 Vesey, New York
Salomon L. A. & Bro., 216 Pearl, New York
Scheel Wm. H., 179 Water, New York
See adv index at end of book
SMITH & NICHOLS, INC. ("Star Brand"), 121 Maiden Lane, New York

16703—Wax (Ozokerite, Importers)

Bromund E. A. Co. 258 Broadway, New York
Chrystal Charles B. Co., Inc., 13 Cliff, New York *See adv index at end of book*
Innis, Speiden & Co., Inc. (Crude & Refined), 46 Cliff, New York
Mitchell-Rand Mfg. Co., 26 Vesey, New York
Salomon L. A. & Bros., 216 Pearl, New York
SMITH & NICHOLS, INC. ("Star Brand"), 121 Maiden Lane, New York
Strahl & Pitsch, 141 Front, New York

16704— Wax (Paraffine)

American Trading Co., 25 Broad, New York
Atlantic Refining Co. (Crude, Semi-Refined, Fully Refined), 260 S Broad, Phila., Pa.
Bell Oil Corp., 11 Water, New York
Borne-Scrymser Co., 17 Battery pl, New York
Canfield Oil Co., 3210 E 55th, Cleevland, O.
Chrystal Chas. B. Co., Inc., 13 Cliff, New York *See adv index at end of book*
Clark F. C., 1406 N Central, Chicago, Ill.
Clark Fred G. Co., 1081 W 11th, Cleveland, O.
Eberhart J. P. & B. Co., 27 William, New York
Ege Ove G. (Imp.), 18 B'way, New York
Emery Mfg. Co., Bradford, Pa.
Empire Oil Works, Oil City, Pa. Works: Reno; Pa.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Freedom Oil Works, Freedom, Pa.
Fuerst Bros. & Co., 2 Stone, New York
Great Western Oil Co., 2846 E 37th, Cleveland, O.
Henle S., Inc., 8 Bridge, New York
Indian Refining Co., 244 Madison av, New York
Jacob Chas. W. & Allison (Imp. Crude & Refined), 18 Cedar, New York
Kendall Refining Co., Bradford, Pa.
Kuh E. S. & Valk Co. (Imp), Produce Exchange, New York
Loos & Dilworth, 134 S Front, Phila., Pa.
Manufacturers' Parafine Co., Chester, Pa.
Mitchell-Rand Mfg. Co., 26 Vesey, New York
National Refining Co., Rose bldg, Cleveland, O.
Ohio Cities Gas Co., Columbus, Ohio
Penn American Refining Co., Oil City, Pa.
Pennsylvania Parafine Works, Titusville, Pa.
Pennsylvania Oil & Refining Co., Oil City, Pa.
Petrolia Refining Co., Petrolia, Pa.
Pure Oil Co., Lafayette bldg., Phila., Pa.
SMITH & NICHOLS, INC. ("Star Brand"), 121 Maiden Lane, New York
Sonneborn L. Sons ("Amalie"), 114 5th av, New York
Standard Oil Co. of N. J., 26 B'way, New York
Standard Oil Co. of N. Y. ("Parowax" Refined), 555 W 25th, New York
Standard Oil Co. of Ohio, 1400 State av, Cincinnati, O.
Standard Wax & Import Co. (Imp.), 110 E 42nd, New York
Strahl & Pitsch (Imp.), 141 Front, New York
Sun Co., 1240 H. Finance bldg, Phila., Pa.
TEXAS COMPANY (THE) ("Texaco Texwax" for sealing and laundry purposes, pure, clean, odorless, tasteless), Dept. D, 17 Battery pl, New York
See adv index at end of book
Tidewater Oil Co. (Refined & Scale), 11 B'way, New York
Union Petroleum Co. (White & Yellow), Widener bldg, Phila., Pa.
United Refining Co., Warren, Pa.
Ventura Refining Co., 458 S Spring, Los Angeles, Cal.
WAVERLY OIL WORKS CO. (Refined), 54th & A. V. R. R., Pittsburgh, Pa.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y.
See adv index at end of book

Wax Polish (Floor Finish)

See Floor Polish, Hard Wax

16705— Wax (Sealing)

American Pitch Co., 139 E Water, Cincinnati, O.
American Trading Co., 25 Broad, New York
Bowdlear W. H. Co., 69 Broad, Boston, Mass.
Browne M. C., Holyoke, Mass.
Chamberlain & Johnson, 1238 Voskamp, Pittsburgh, Pa.
Clark F. C., 1406 N Central, Chicago, Ill.
Davids Bros., Inc., 213 Centre, New York
Dennison Mfg. Co., 26 Franklin, Boston, Mass.
Dicks-Pontius Co. ("Zubian," "Pontius Pure" for Fruit Jars, etc), Dayton, O.
Edwards Bros., Milton, Mass.
Insulatine Co. ("Gyite," Insulating & Sealing), 1 B'way, New York
Keller Robt. Ink Co., 1441 Bklyn, Detroit, Mich.
Mitchell-Rand Mfg. Co. (Insulating & Sealing), 26 Vesey, New York
Princeton Sealing Wax Co., Princeton, Ill.
Sanford Mfg. Co., Congress & Peoria, Chicago, Ill.
Stevenson Bro. & Co., 110 Race, Phila., Pa.
Stronmeyer & Arpe Co. (Insulating & Sealing), 139 Franklin, New York
Trotter E. T. & Co. (Insulating), 602 Johnson av, Brooklyn, N. Y.
Zinsser Wm. & Co., 195 William, New York

16706— Wax (Shoemakers')

California Leather Dressing Co., 1574H Market, San Francisco, Cal.
Dennehy Bros., Brockton, Mass.
Dicks-Pontius Co., Dayton, O.
Excelsior Chemical Co. ("Exo"), 426 Bryant, San Francisco, Cal.
Hauthaway C. L. & Sons, 346 Congress, Boston, Mass.
Holt, Jared Co., Albany, N. Y.
Martin-Dennis Co. ("Kromoid"), **159 Summer av, Newark, N. J.**
Stevenson Bro. & Co., 110 Race, Phila., Pa.
Whittemore Woodbury Co., Charlestown, Boston, Mass.
Will & Baumer Co., Syracuse, N. Y.

16707— Wax (Soft Metal)

Gardner Machine Co., Beloit, Wis.

16708—Wax Tailings & Scale Wax

American Trading Co., 25 Broad, New York
Atlantic Refining Co., 3144 Passyunk av, Phila., Pa.
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Clark F. C., 1406 N Central, Chicago, Ill.
Craig Oil Co. (Scale Wax), Toledo, O.
Emery Mfg. Co. (Scale Wax), Bradford, Pa.
Empire Oil Works (Scale Wax), Oil City, Pa.
Independent Refining Co., Ltd. (Scale Wax), Oil City, Pa.
Nat'l Refining Co., 1400 E 9th, Cleveland, Ohio
Penn American Refining Co. (Scale Wax), Oil City, Pa.
Pennsylvania Oil & Refining Co., Oil City, Pa.
Pennsylvania Paraffine Wks., Titusville, Pa.
Prudential Oil Corp, 110 William, New York
SMITH & NICHOLS, INC. ("Star Brand"), 121 Maiden Lane, New York
Standard Oil Co. of N. J. (Refined & Crude), 26 B'way, New York
Standard Oil Co. of N. Y., 555 W 25th, New York
Stevenson Bro. & Co., 110 Race, Phila., Pa.
Sun Co., 1240 H. Finance bldg, Phila., Pa.
Tidewater Oil Co., 11 B'way, New York
Union Petroleum Co. (Scale Wax), Widener bldg, Phila., Pa.
Warren Refining Co., Warren, Pa.

16709-10— Wax Tapers

Cathedral Candle Co., Syracuse, N. Y.
Columbia Way Works ("Never Drip," "Eagle"), **751 E 137th, New York**
Houchin Thos. W. Co. ("Paragon," "Perfection," "Waldo"), 393 Broadway, New York
Marty F. & Co., Syracuse, N. Y.
St. Louis Candle & Wax Co., 205 S First, St. Louis, Mo.
Will & Baumer Co., Syracuse, N. Y.

16711-2— Weaners (Calf)

Barbee Wire & Iron Wks. ("Hoosier," "Shaw"), Lafayette, Ind.
Cooley Mfg. Co., 530 N Western, Chicago, Ill.
Decatur Novelty Works ("Hill") Decatur, Ill.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Holthaus Saddlery Co. ("Perfection"), 1440 N 6th, St. Louis, Mo.
Imperial Bit & Snap Co. ("Kant-Suck"), Racine, Wis.
Pratt Wm. E. Mfg. Co. ("Tylers"), **35 W Lake, Chicago, Ill.**
Purcell Co. ("Porcupine"), 2109 Grand av, Kansas City, Mo.
Quinn Wire & Iron Works ("Shaw's" & "Diamond"), **Boone, Ia.**
Tucker & Dorsey Mfg. Co. ("Blabbe Pat"), E State & Bates, Indianapolis, Ind.
Wagner Specialty Co. ("Kant Suk"), **Burlington, Wis.**

Weather Boarding (Iron & Steel)

See Roofing & Siding Iron & Steel

16713— Weather Strips

All-Metal Weatherstrip Co., 229 W Illinois, Chicago, Ill.
American Metal Weather Strip Co., Grand Rapids, Mich.
Am. Screen Mfg. Co. (Metal), **1820 Lydia** av, Kansas City, Mo.
Angell Co. (Metal), **Penobscot bldg., Detroit, Mich.**
Athey Co. ("Athey" Cloth Lined Metal), 122 S Michigan, Chicago, Ill.
Baker W. J. Co., Newport, Ky.
Bosley D. W. Co. ("Atlas," "Bosley's" Felt, Rubber, Metallic Rubber, Metallic Railway, etc), **122 S Michigan** av, Chicago, Ill.
Brawley T. R. (Felt), **270 20th,** Brooklyn, N. Y. *See adv index at end of book*
Bronze Weather Strip Co. (Metal & Automatic Door), 30 India, Boston, Mass.
Chamberlin Metal Weather Strip Co. (Metallic), 1644 W Lafayette, Detroit, Mich.
Champion Metal Weather Strip & Parting Bead Co.("Champion" Metallic), 575 Albany, Boston, Mass.
Chicago Metal Weather Strip Co. (Metal), 1617 N Troy, Chicago, Ill.
Church E. I. & Co. ("Axtell," **All Steel**), W Hanover, Mass.
Concrete Engng Co. ("Ceco" Metal), 1926 S 52nd av, Chicago, Ill.
Continental Felt Co., 64-66 E 11th, New York *See adv index at end of book*
Continental Rubber Works ("Vitalic" Windshield), 19th & Liberty, Erie, Pa.
Curtain Supply Co. ("Ring," "Rex" Car and Busses), **350 W Ontario, Chicago,** Ill.
Dennis W. J. & Co. ("Dennis" Clincher Felt, Rubber, etc), **2128 W Lake, Chicago,** Ill.
Diamond Metal Weather Strip Co. ("Diamond" Flexible Metal), Columbus, O.
Dunfee J. & Co., 1327 Washington blvd, Chicago, Ill.
Edwards O. M. Co., Inc. (For Car Windows), Syracuse, N. Y.
Federal Metal Weather Strip Co. ("Federal" Metal), 1238-1250 Fullerton av, Chicago, Ill.
Felt Products Mfg. Co., 1507 Carroll av, Chicago, Ill.
Fli-Bac Screen Corp. ("Fli-Bac"), H, Circle, Rochester, N. Y.
Ford Mfg. Co. ("Ford's" Air Tight), Holyoke, Mass.
Freeman Chas. A. Mfg. Co. ("Invisible"), 294 Washington, Boston, Mass.
Frost Railway Supply Co. ("Detroit," Metal for Cars, etc), Penobscot bldg, Detroit, Mich.
Harsha L. R. Mfg. Co., 2010 Carroll av, Chicago, Ill.
Heaton S. W., 1802 Chestnut, Phila., Pa.
Henry Airtight Weather Strip Co. (Rubber Lined Wood), Crawfordsville, Ind.
Higgin Mfg. Co. (Metallic), Newport, Ky.
Introstile Mfg. Co. (Metal O. K.), Marietta, O.
Kane Mfg. Co. ("Kane Quality"), Kane, Pa.
Kohler Die & Specialty Co. (Wool Stuff), DeKalb, Ill.
McCord Mfg. Co. (For Car Windows), 2587 E Gd blvd. Detroit, Mich.
Metropolitan Weather Strip Co., 56 Murray, New York
Michigan Engine Valve Co. ("Golden"), 437 W Columbia, Detroit, Mich.
Monarch Felt Works (Felt), 39-45H York, Brooklyn, N. Y.
Monarch Metal Weather Strip Co. (Metal), 5020 Penrose, St. Louis, Mo.
Newark Weather Strip & Screen Co., 7 Nevada, Newark, N. J.
Niagara Metal Weather Strip Co. ("Niagara" Metallic), 33 W Tupper, Buffalo, N. Y.
Pittsburgh Air Tight Metal Door Sill Co. (Metal Air Tight), Liberty & Short, Pittsburgh, Pa.
Prince W. O., 26 Edinboro, Boston, Mass.
Protective Ventilator & Screen Corp., 512 W 53rd, New York
Pullman Metal Weather Strip Co., Kane, Pa.
Robbins Mfg. Co. ("Acme" All Metal), 1815 N Central Park av, Chicago, Ill.
Roebuck Weather Strip & Wire Screen Co., 2406 Flatbust av, Brooklyn, N. Y.
Sager Metal Weather Strip Co. ("Sager"), 162 W Austin av, Chicago, Ill.
Spencer R., Hearst Bldg, San Francisco, Cal.
Stanfield M. B., 535 Tusculum av, Cincinnati, O.
Tyler Mfg. Co. (Wind Shield), 733 Boylston, Boston, Mass.
Victor Parting Bead Co., 128 Washington, Reading, Pa.
Willer Mfg. Co. (Metal), Milwaukee, Wis.
Wirfs E. J., 106 S 17th, St. Louis, Mo.

16714-15— Weather Vanes

Barnum E. T. Wire & Iron Works, 864 Woodward, Detroit, Mich.
Canton Art Metal Co., 920 Market av, S, Canton, O.
Cushing L. W. & Son ("Waltham"), Waltham, Mass.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
Eller Mfg. Co., 1200 Chandler av, S W, Canton, O.
FISKE J. W. IRON WKS., 111 Park pl., New York
Gara-McGinley Co., 218 N 13th, Phila., Pa.
Gerock Bros. Mfg. Co., 1252 S Vandeventer av, St. Louis, Mo.
Green Henry J., 1191 Bedford av, Brooklyn, N. Y.
Henis Wm. G. Sons & Co., 1347 Ridge av, Phila., Pa.
Hum & Leatherman, 103 Market, Pittsburgh, Pa.

(Continued on following page)

Weather Vanes—Continued

Jones Thomas W. (Also Dial), 163 Maiden la, New York
Milwaukee Corrugating Co., Milwaukee, Wis.
Mott J. L. Iron Works, Trenton, N. J.
NATIONAL SHEET METAL ROOFING CO., 339 Grand, Jersey City, N. J.
See adv index at end of book
Porter Iron Roofing & Corrugating Co., 522 Culvert, Cincinnati, O.
Raub Supply Co., Lancaster, Pa.
Reyburn-Hunter-Foy Co., 819 B'way, Cincinnati, O.
St. Louis Lightning Rod Co., De Kalb & Trudeau, St. Louis, Mo.
Scott Roofing & Mfg. Co., 408 Culvert, Cincinnati, O.
Security Lightning Rod Co., Burlington, Wis.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Snow W. A. Iron Works, Inc., 19 Portland, Boston, Mass.
Washburne E. G. & Co., 209 Fulton, New York

16716— Webbing (Cotton)

Acorn Web Mills, North Wales, Pa.
Adamson Joseph & Co., Columbia & Gtn. av, Phila., Pa.
American Mills Co. (Narrow), Waterbury, Conn.
American Multiple Fabric Co. (Multiple Woven), 183 Hartford av, Providence, R. I.
Am. Textile Banding Co. Inc., Belfield av & Wister, Phila., Pa.
Ansonia O. & C. Co., Ansonia, Conn.
Barber Mfg. Co., Lowell, Mass.
Barlow John W. Co. (Also Linen, Jute & Worsted), Lawrence, Mass.
Boyle John & Co., 112 H. Duane, New York
Brockton Webbing Co. (For Shoe Straps), Brockton, Mass.
Buffalo Weaving & Belting Co. (Belting, Halters, Girths, Bridles, Back Bands, Trunk Straps, etc.), 215 Chandler, Buffalo, N. Y.
Chadbourne & Moore (Shoe & Gaiter), Chelsea, Mass.
Columbia Narrow Fabric Co. (Also Silk & Mercerized), Shannock, R. I.
Columbus Mfg. Co., Columbus, Miss.
Dyer Chas. N. (Narrow), Haverhill, Mass.
Empire Mfg. Co. (Also Deckle for Paper Mills), Lockport, N. Y.
Everlastik Inc., 1107 B'way, New York
Franklin Cotton Mill Co. (Narrow), Plum & Charles, Cincinnati, O.
Georgia Webbing & Tape Co., Dept. H, Columbus, Ga.
Hamilton Web Co. (Boot, Shoe, Gaiter, Name, etc), Hamilton, R. I.
Harley J. S., Quakertown, Pa.
Hesse Mfg. Co. (Narrow), Valley Falls, R. I.
Hoffman, De Witt & McDonough Co., Cheltenham, Pa.
Hope Webbing Co. (Narrow Woven Fabrics). 1005 Main, Providence, R. I.
Hooper Sons Mfg. Co., Dept. H, Juniper & Cherry, Phila., Pa.
Humphrys R. A. Sons, 1026 Callowhill, Phila., Pa.
See adv index at end of book
International Braid Co. (Narrow), 47 Charles, Providence, R. I.
Landers Bros. Co., Toledo, O.
Mallison Braided Cord Co., Athens, Ga.
Mason J. S. & Sons (Narrow), Westboro, Mass.
Modern Weaving & Belting Co. (Saddlery Goods, etc.), 137-9 Arthur, Buffalo, N. Y.
Moore & Burgess Webbing Co. (Narrow), Concord Junction, Mass.
New Hampshire Artistic Web Co., Barnstead, N. H.
Rockland Webbing Co. (Narrow), Rockland, Mass.
Russell Mfg. Co. ("Rusco"), Dept. H, Middletown, Conn.
Sidmar, Inc. (Overall Suspenders, etc.), Chelsea, Mass.
Springfield Webbing Co., 235 Mill, Springfield, Mass.
Star Webbing Works (Shoe Strapping & Narrow), Brockton, Mass.
Sullivan J. & Sons Mfg. Co. (Narrow), 2224 N 9th, Phila., Pa.
Susquehanna Webbing Co., Bloomsburg, Pa.
Westboro Weaving Co. (Narrow), Westboro, Mass.
Windsor Webbing Co. (Super Tapes, Braids, Vienna Elastic), Pawtucket, R. I.
Workman H. B. Co., Lititz, Pa.
Young J. B., J. & Levick, Phila., Pa.

16717— Webbing (Elastic)

Acorn Web Mills, North Wales, Pa.
Adamson Joseph & Co., Columbus & Gtn. av, Phila., Pa.
American Mills Co. (Narrow), Waterbury, Conn.
Ansonia O. & C. Co. (Suspender), Ansonia, Conn.
Boston Gore & Webb Co. (Suspender, Corset, Truss & Bandage), Chelsea, Mass.
Chadbourne & Moore, Chelsea, Mass.
Christ Bros. Mfg. Co., 1303 Buttonwood, Phila., Pa.
Colton Geo. S. Elastic Web Co. (Garter, Surgical, etc), Easthampton, Mass.
Columbia Narrow Fabric Co., Shannock, R. I.
Conant & Co. (Suspender, etc), Littleton, Mass.
Connecticut Web & Buckle Co. (Suspender, Belt, Garter, etc), 71 Knowlton av, Bridgeport, Conn.
Everlastik, Inc. (For Artificial Limbs, Bandages, Boots & Shoes, Corsets, Garters, Suspenders, & Truss Mnfrs.), 1107 B'way, New York
Glendale Elastic Fabrics Co. (Goring, Garter, etc), Easthampton, Mass.
Holmes O. H. (Knit, for Women's Corsets), Conshohocken, Pa.
Howard Mfg. Co., 97 Monument, Boston, Mass.
Lapworth Webbing Co. (Garter, Suspender, etc), Brockton, Mass.
Lapworth Wm. & Sons (Narrow), Milford, Mass.
National Web Co. (Suspender, etc), 363 Linden av, Jersey City, N. J.
Nealon Jno. J. & Co., Bayonne, N. J.
Pentucket Narrow Fabric Mills (Garter, Shoe, Suspender, etc), Lowell, Mass.
Rockland Webbing Co. (Narrow), Rockland, Mass.
Russell Mfg. Co. ("Rusco"), Dept. H, Middletown, Conn.
Springfield Webbing Co. (Surgical, etc), 235 Mill, Springfield, Mass.
Taylor Thos. & Sons, Hudson, Mass.
Woodside Mfg. Co., 210 Sylvin, Newark, N. J.
Ziegler A. & Sons Co. (Suspender), 1357 Columbus av, Boston, Mass.

16718—Webbing (Upholsterers')

Landers Bros. Co., Toledo, O.
Ludlow Mfg. Associates (Jute), 111 Devonshire, Boston, Mass.
Magee Carpet Co., 230 5th av, New York
Susquehanna Webbing Co. (Jute), Bloomsburg, Pa.

16719—*Wedges (Armature)

Continental Fibre Co. (Fibre), Newark, Del.
Delaware Hard Fibre Co., Wilmington, Del.
See adv index at end of book
National Vulcanized Fibre Co., Beech & Maryland av, Wilmington, Del.
See adv index at end of book

16720-1— Wedges (Axe)

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Ransome Concrete Machinery Co., Dunellen, N. J.
United Sales Corp. ("Grady"), 41 Drumm, San Francisco, Cal.
See adv index at end of book

16722— Wedges (Foundry)

Standard Shop Equipment Co., Inc ("Cad," Drop Forge), 82nd & Tinicum, Phila., Pa.
STERLING WHEELBARROW CO., Milwaukee, Wis.
See adv index at end of book
STEVENS FREDERICK B., INC., 3rd & Larned, Detroit, Mich.
See adv index at end of book

16723— Wedges (Handle)

Leetonia Tool Co., Leetonia, Ohio
Syracuse Twist Drill Co. ("Syracuse"), 926H Grape, Syracuse, N. Y.
United Sales Corp. ("Grady"), 41 Drumm, San Francisco, Cal.
See adv index at end of book


GRADY WEDGE
For Hammers, Hatchets, Axes, Etc.
Actual size. Patented. *"Holds like a fish hook"*
UNITED SALES CORPORATION
41 Drumm St. San Francisco, Calif.

16724—Wedges (Journal Bearing)

Hill Clutch Co., W 65th, Cleveland, O.
Pollack Steel Co. (Forges), 386 W 71st Carthage, Cincinnati, Ohio
Standard Forgings Co., 80 E Jackson, Chicago, Ill.
Transue & Williams Steel Forging Corp. (Drop Forged), Alliance, O.

16725—Wedges (Journal Box)

Cleveland City Forge & Iron Co. (Drop Forged), Cleveland, O.
Commercial Drop Forge Co., Warren, Pa.
Hill Clutch Machine & Foundry Co., W 65th, Cleveland, O.
McCord & Co., 122 S Michigan av, Chicago, Ill.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
St. Louis Car Co., 3000 N. B'way, St. Louis, Mo.
Steel Car Forge Co. (Drop Forged), Frick bldg., Pittsburgh, Pa.
Union Spring & Mfg. Co., New Kensington, Pa.
Western Steel Car & Foundry Co., Farmers Bk. bldg, Pittsburgh, Pa.
Western Tool & Forge Co., Brackenridge, Pa.

16726— Wedges (Lead)

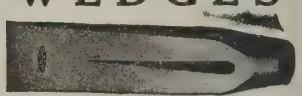
Lawrence Shot & Lead Co., Omaha, Neb.
United Lead Co., 111 B'way, New York

16727-8— Wedges (Saw)

American Logging Tool Co. (Steel), Evart, Mich.
Bethlehem Steel Co., Bethlehem, Pa.

16729— Wedges (Steel)

Beall Bros, Alton, Ill.
Brunner & Lay, 570 W Polk, Chicago, Ill.
Collins Co., Collinsville, Conn.
Evansville Tool Works (Coal, Wood Choppers, Falling Stone, etc), 701 W Madison, Evansville, Ind.
Hardsocg Mfg. Co., Ottumwa, Ia.
Hardsocg Martin Co., 922 South av, Pittsburgh, Pa.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Iron City Tool Works, Ltd., 3201 Smallman, Pittsburgh, Pa.
Klein-Logan Co. (Woodchoppers, Falling, Stave Tie, Saw, Stone, Coal, etc), 13th & Breed, Pittsburgh, Pa.
Lanz M. Bolt Co., 2907H Carson, Pittsburgh, Pa.
Leetonia Tool Co. (Coal), Leetonia, Ohio
Livingston Mfg. Co. (for quarry work for splitting stone), Rockland, Me.
McInnes Steel Co. (Ltd.) (Woodman's), Corry, Pa.
Oliver Iron & Steel Co. (All Kinds), S 10th & Muriel, Pittsburgh, Pa.
Penn Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.
Phillips F. & Son, 1336 Greenmount av, Baltimore, Md.
Plumb Fayette R. (Inc.), 4837 James, Phila., Pa.
Pratt Wm. E. Mfg. Co. (Axe), 35 W Lake, Chicago, Ill.
Prouty C. & Co. (Cross Cut Saw), Eldred, Pa.
Ransome Concrete Machinery Co. (Woodchoppers, etc.), Dunellen, N. J.
Salem Tool Co., Salem, Ohio
Stanley Rule & Level Co. (Atha Division), New Britain, Conn.
Taylor E. L. & Co., 71 1st, Portland, Ore.
Trow & Holden Co. (For Quarry Work), Barre, Vt.
Vulcan Tool Mfg. Co. (For Quarry Work), Quincy, Mass.
Warren Tool & Forge Co. (Woodchoppers), 145 Griswold, Warren, Ohio
See adv index at end of book

WEDGES

The Warren Tool & Forge Co.
145 Griswold St., Warren, Ohio, U. S. A.

WARWOOD TOOL CO., 19th, Warwood, Wheeling, W. Va.
What Cheer Tool Co., What Cheer, Ia.
Woodruff Walter W. & Sons Co. (Axe), Mount Carmel, Conn.

16730—Wedges (Tool Post)

Bunting Iron Works ("Simplex" for Steam Boiler Work, Bakeries; Also Fruit Dryers), 1215H 1st Nat'l Bank bldg, San Francisco, Cal.
Page Storms Drop Forge Co. (Drop Forged), Chicopee, Mass.
Williams J. H. & Co. (Also Rings, Drop Forged), Paterson, N. J.

16731— Wedges (Treenail)

Bachelder & Co., 234 Mt. Vernon, Lowell, Mass.
Hoskins J. S. Lumber Mfg. Co. (Pine & Oak), 1400 Hearst Tower bldg, Baltimore, Md.
Nashua Spool & Bobbin Co. (Oak), Grove Hall Station, Boston, Mass.
United States Bung Mfg. Co., 50 S 2d, Brooklyn, N. Y. Factory: Cincinnati, O.

16731a— Wedges (Wooden, for Various Purposes)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Decker Moulding & Mfg. Co. (Slot Wedges for Electrical Purposes), 800 Mound, St. Louis, Mo.

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
South Bend Dowel Co., S. Lafayette, South Bend, Ind. *See adv index at end of book*

16732— Weeders

Aspinwall Mfg. Co., Jackson, Mich.
Babcock Mfg. Co., Leonardsville, N. Y.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Bridgewater Plow Corp. ("Superior," Corn Thinner & Weeder), Bridgewater, Va.
Brinly Hardy Co. (Riding & Walking), Louisville, Ky.
Brown-Manly Plow Co., Malta, O.
Burch Plow Works Co., Crestline, O.
California Plow Co. (Disc), 140 Polhenus, San Jose, Cal.
Cutaway Harrow Co., Higganum, Conn.
Dunham Co., Berea, Ohio
Eureka Mower Co. (Walking & Riding), 1005H Hickory, Utica, N. Y.
Genung C. W., Madison, O.
Greenville Implement Co., Greenville, Mich.
Janesville Machine Co., Janesville, Wis.
Lean Roderick Mfg. Co. ("Roderick Lean" Riding and Walking), Mansfield, O.
Lovejoy C. H. Chaplet Co., Cambridge, N. Y.
Munnsville Plow Co. (With Tubular Steel Frame), Munnsville, N. Y.
North Wayne Tool Co., Hallowell, Me.
Rockford Mfg. Co., Rockford, Ill.
Thornburgh Mfg. Co. ("Toledo"), Bowling Green, O.
Washington Weeder Works, Walla Walla, Wash.
Wiard Plow Co. (Adjustable), Batavia, N. Y.

16733— Weeders (Garden)

See also Hooks, Weeding

Allen S. L. & Co. ("Firefly" & "Planet Jr."), 15th & Glenwood, Phila., Pa.
Barker Mfg. Co., David City, Neb.
Bateman Mfg. Co. ("Iron Age"), Grenloch, N. J.
Buffum Tool Co. ("Swastika"), Weeders & Transplanters), South Side, Louisiana, Mo.
Clark W. J. Co. ("Rapid-Easy"), Salem, O.
Donaldson Bros. (Beet), Mount Clemens, Mich.
Fletcher Terry Co. (Hand), Forestville, Conn.
Germain Seed & Plant Co. (Lawn), 749 Terminal, Los Angeles, Cal.
Genung C. W., Madison, O.
Kohler F. E. Co. (Dandelion Spud), Canton, O.
Mason F. C. & Co., St. Johns, Mich.
Norcross C. S. & Sons ("Norcross," "Midget" 3 Prong), Bushnell, Ill.
North Wayne Tool Co. ("Lefavour's Favorite"), Hallowell, Me.
Union Fork & Hoe Co. (Hand), Columbus, O.
Western Steel & Iron Works (Beet Weeders), De Pere, Wis.
Wrightsville Hardware Co., Wrightsville, Pa.

16734—Weighers (Feed Water)

Dover Boiler Works, Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Fairbanks Morse & Co., 900 S Wabash av, Chicago, Ill.
Willcox Engineering Co. ("Willcox" Automatic), 1525 Holland av, Saginaw, Mich.

16735-6-7 — Weighers, Loaders & Baggers (Grain)

Advance Rumely Co. ("Advance," "Gear Scott," "Rumely"), Madison & Lincoln way, La Porte, Ind.
Advance Thresher Co., Battle Creek, Mich
Buffalo Pitts Co., 27 Carolina, Buffalo ,N. Y.
Hart Grain Weigher Co. ("Glendale" Bagger, "Hart," "Hart Junior," "Perfection," "Dakota Peoria," "Simplex" Weighers & Loaders & "Hart Belt & Bucket"), Peoria, Ill.
Huber Mfg. Co., Marion, O.
Minneapolis Threshing Machine Co. (Baggers), Hopkins, Minneapolis, Minn.
Nichols & Shepard Co. (Weighers, Baggers & Loaders), Battle Creek, Mich.
Ohio Road Machinery Co. (Baggers), Oberlin, O.
Port Huron Engine & Thresher Co., Port Huron, Mich.
Westinghouse Co. (Weighers), Schenectady, N. Y.

16737a—*Weighing Apparatus (Ehrhardt's)

MacLeod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book

16738—Weights (Elevator)

Bosworth-Ard Machine & Foundry Co., Anniston, Ala.
Central Foundry Co., Fort Wayne, Ind.
De Ved & Sons Sash Weight Co. (Lead, also Dumb Waiter) 807 S Howard, Baltimore, Md.
Kings County Iron Foundry Inc., Gardner av & Meserole, Brooklyn, N. Y.
Levering Mfg. Co. (Also Bridge), 1210 Ky. Highway, Baltimore, Md.
Los Angeles Fdry Co., Los Angeles, Cal.
Standard Foundry Co., 743 Hertel av, Buffalo, N. Y.
Torsion Balance Co., 92 Reade, New York

16739— Weights (Hitching)

Barber Mfg. Co., Ashtabula, O.
Burr Co., Champaign Ill.
Cheney S. & Son, Manlius, N. Y.
Decatur Cornice & Roofing Co., New Decatur, Ala.
Donaldson Bros., Mount Clemens, Mich.
Gowanda Agricultural Wks., Gowanda, N. Y.
Indiana Foundry Co., Dept. H, Indiana, Pa.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
Sperry D. R. & Co., Batavia, Ill.
Torsion Balance Co., 92 Reade, New York
Weller Hardware & Foundry Co., Horseheads, N. Y.
Western Foundry & Sash Weight Co., 2d & Miller, St. Louis, Mo.
Withers Foundry & Machine Works, Atlanta, Ga.

16739a—Weights (Hydraulic)

Fulton Iron Works Co., St. Louis, Mo.

16740— Weights (Lead)

Los Angeles Fdry. Co., Los Angeles, Cal.
Torsion Balance Co., 92 Reade, New York
United Lead Co. (Clock, Dress, Fish Net, etc.), 111 B'way, New York
U. S. Indestructible Gasket Co., 831 E 15th, Brooklyn, N. Y.
See adv index at end of book

16740a—Weights (Precision)

Becker Christian Inc., 92 Reade, New York
Keller, G. C. ("Keller"), Salt Lake City Utah
Kohlbusch Herman Sr. Inc. (Gramme, Troy & Grain), 149 New York av, Jersey Citty, N. J.
Thompson Balance Co., 808 20th, Denver, Colo.

16741—Weights (Telephone Cord)

K. & B. Co., 497 N 3d, Phila., Pa.

16742—*Weirs (Recording & Totalling Registers For)

SIMPLEX VALVE & METER CO., 5718 Race, Phila., Pa.

16743—Welding (Autogenous)

Air Reduction Sales Co. (Oxyacetylene Equipments), 342 Madison av, New York
ALLAN MFG. & WELDING CO. INC., 728 Washington, Buffalo, N. Y.
See adv index at end of book
American Metal Fusing & Cutting Co. ("Oxy-Acetylene Apparatus"), 104 Hunter av, Long Island City, N. Y.
Ballwood Co., The, 30 Church, New York
Blaw-Knox Co. (Oxy-Acetylene), Freeport rd, Hoboken, Pa.
Bossert Corporation, The, cor. Linden & West av, Utica, N. Y.
Braun J. G. (Oxygen Acetylene), 609 S Paulina, Chicago, Ill.
Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Carbic Mfg. Co., Duluth, Minn.
Cartridge Mechanical Corp., 219 W 12th, Los Angeles, Cal.
Cave Welding & Mfg. Co., 455 Worthington, Springfield, Mass.
Clausen N. C. Architectural Iron Co., Albany, N. Y.
Davis-Bournonville Co. (Plant Builders), Van Wagnen av, Jersey City, N. J.
Dyer Co. (Oxy-Acetylene), 155 Brookline, Cambridge, Mass.
Economy Welding Machine Co. (Oxy-Acetylene Plant Builders), Kansas City, Mo.
Gem Stamped Steel Co., Chelsea, Mass.
Henderson-Willis Welding & Cutting Co. (Oxy-Acetylene Plant Builders), 2305 N 11th, St. Louis, Mo.
Imperial Brass Mfg. Co., 1200 W Harrison, Chicago, Ill.
International Oxygen Co., 796 Frelinghuysen av, Newark, N. J.
KLEINHANS, H. CO. (Large or Small at Your Plant), Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Laclede Iron Works (Oxy-Acetlyene), 1547 N 9th, St. Louis, Mo.
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
MacLeod Co. (Plant Mfrs.), 2227 Bogen, Cincinnati, O.
See adv index at end of book
Manitowoc Engineering Works, Manitowoc, Wis.
Metals Welding plant (Steel Products Co.), (Oxy-Acetylene Plant Builders), 4400 Perkins av, Cleveland, Ohio
Milburn Alexander Co., 1420 W Baltimore, Baltimore, Md.
National Welding & Mfg. Co. (All Metals), Buffalo, N. Y.
Pennsylvania Furnace & Iron Co., 373 Pine, Warren, Pa.
See adv index at end of book
Pittsburgh Reinforced Brazing & Machine Co., 2525 Liberty, Pittsburgh, Pa.
Portland Co. (Oxy-Acetylene), Portland, Me.
Richmond Water Softener Co. (Contract Welding), Richmond, Ind.
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
See adv index at end of book
Southwest Welding & Machine Co., 621 N Main, Los Angeles, Cal.
Vulcan Iron Works Inc. (Marine & Stationery), Hudson & Essex, Jersey City, N. J.
Welded Steel Barrell Corp. (Oxy-Acetylene), Hart av & Charlevoix, Detroit, Mich.
West Coast Iron & Steel Works Inc., 485 N 28th, Portland, Ore.
Western Drop Forge Co. (Oxy-Acetylene), P. O. Box 386, Marion, Ind.
Worcester Pressed Steel Co., Barber av, Worcester, Mass.
See adv index at end of book

16744— Welding (Electric)

ALLAN MFG. & WELDING CO. INC., 728 Washington, Buffalo, N. Y.
See adv index at end of book
Alloy Steel & Plating Co., 1629 Chestnut, Phila., Pa.
American Electric Fusion Corp. (Butt, Spot & Seam), 2610 Diversey, Chicago, Ill.
American Electric Welding Co., 250 5th av, New York
American Fork & Hoe Co. (For Oven use), Swetland bldg, Cleveland, O.
American Tube & Stamping Co., Bridgeport, Conn.
American Welding & Mfg. Co., Warren, O.
Anniston Electric Steel Corp., Anniston, Ala.
Automatic Electric Welder Co. (Butt & Spot), 618 W Jackson blvd, Chicago, Acetylene Welding Steel Construction), Ill.
Bay City Iron Works, 1243H Harrison, San Francisco, Cal.
Blaw Knox Co. ("Knox" Electric & Freeport rd, Hoboken, Pa.
Boom Boiler & Welding Co., 1615 Merwin av, Cleveland, O.
Bossert Corporation, The (Spot & Electric Arc), cor Linden & West av, Utica, N. Y.
Brown Bros. Welding Co., 223 Main, San Francisco, Cal.
Brunswick Refrigerating Co. (For the Trade), New Brunswick, N. J.
BURKE ELECTRIC CO., Erie, Pa.
See adv index at end of book
Cal. Welding Works, 627 N Broadway, Los Angeles, Cal.
Columbiana Boiler Co., Columbiana, O.
Davison N. C. Gas Burner & Welding Co. (Mill & Foundry Work), 2939 Smallman, Pittsburgh, Pa.
Eastman, J. B., 831 Crocker, Los Angeles, Cal.
Electric Welding Co., Benedum Trees bldg, Pittsburgh, Pa.
Electric Welding Co., 2114 Superior Viaduct, Cleveland, O.
FEDERAL MACHINE & WELDER CO. (THE) (Spot, Butt and Seam), Dana av, Warren, Ohio.
See adv index at end of book
Flowers Welding & Cutting Co., 707 2nd, S E, Canton, O.
Geuder Paeschke & Frey Co., (Spot, Seam & Butt), 1314-1700 St. Paul av, Milwaukee, Wis.
See adv index at end of book
Gem Stamped Steel Co., Chelsea, Mass.
Indianapolis Switch & Frog Co., Springfield, O.
Kellogg M. W. Co., 90 West, New York
See adv index at end of book
Kentucky Oxygen-Hydrogen Co., 1416 Magazine, Louisville, Ky.
KLEINHANS H. CO. (Large or Small at Your Plant), Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
Lincoln Electric Co., Cleveland, O.
McDOWELL MFG. CO. (THE) (Millvale Sta.), Pittsburgh, Pa.
See adv index at end of book
Maryland Metal Products Co., Hagerstown, Md.
Manitowoc Ship Building Co., Manitowoc, Wis.
Michigan Electric Welding Co., 514 Hart, Detroit, Mich.
Michigan Salt Works, Marine City, Mich.
Oakes Co. (Spot), Indianapolis, Ind
Oregon Welding & Machine Wks., 5th & Glisan, Portland, Ore.
Pacific Boiler & Welding Works, 929 E 11th, Tacoma, Wash.

(Continued on following page)

Welding (Electric)—Continued

Pacific Electric Welder & Mfg. Co., 301 Horton, Seattle, Wash.
Pittsburgh Metal Brazing Co., 2939 Smallman, Pittsburgh, Pa.
Pittsburgh Reinforced Brazing & Machine Co., 2525 Liberty, Pittsburgh, Pa.
Pollak Steel Co. (Motor), Cincinnati, O.
Rail Welding & Bonding Co. of Am., 2400 Woodland av, Cleveland, O.
Rubin Iron Works (Acetylene), Jacksonville, Fla.
St. Paul Foundry Co., Como av & Mackubin, St. Paul, Minn.
See adv index at end of book
Sanders, John D., Monroe, La.
Searles Electric Welding Works, 821 W Washington blvd, Chicago, Ill.
See adv index at end of book

ELECTRIC WELDING
SPOT WELDING, BUTT WELDING
STEEL PRODUCTS
Mfg. Sheet Steel and Wire Products
Wire Hoops, Wire Racks and Auto Visors
Searles Electric Welding Works
821 W. Washington Blvd.
Tel. Monroe 1806 CHICAGO, ILL.

Smith A. L., Iron Works (Spot to ¼ Inch Thickness), Chelsea, Mass.
Southwest Welding & Machine Co., 621 N Main, Los Angeles, Cal.
Standard Boiler Works, Seattle, Wash.
Taylor Welder Co. ("Taylor"), Warren, Ohio
Thomson Electric Welding Co., 161 Pleasant, Lynn, Mass.
Thomson Spot Welder Co., Lynn, Mass.
Union Switch & Signal Co., Swissvale, Pa.
United States Electric Welder Co., Permanent bldg, Cleveland, Ohio
Universal Electric Welding Co., 132 W 42nd, New York
Vulcan Iron Works Inc. (Marine & Stationary), Hudson & Essex, Jersey City, N. J.
Waters Arc Welding Corp., 619 10th av, New York
Welding Materials Co. (Materials), 116 Liberty, New York
West Coast Iron & Steel Works Inc., 485 N 28th, Portland, Ore
Winfield Electric Welding Machine Co. ("Winfield" for Butt, Jump & Spot Welding), Warren, O.
Wood Jno. Mfg. Co., Conshohocken, Pa.
Worcester Pressed Steel Co. (Electric Spot), Barber av, Worcester, Mass.

16745—Welding (Oxy-Acetylene)

Advance Welding Machine Co., 111 N Dearborn, Chicago, Ill.
Allan Mfg. & Welding Co. Inc., 728 Washington, Buffalo, N. Y.
See adv index at end of book
American Boiler Welding Co., 708 Fulton Market, Chicago, Ill.
Am. Tube & Stamping Co., Dept. H, 471 Hancock, Bridgeport, Conn.
Bridgeport, Conn.
Austin Welding Works, 555 W Quincy, Chicago, Ill.
Breese Bros. Co. (The), 2349 Reading rd, Cincinnati, O.
See adv index at end of book
Brown Bros. Welding Co., 223 Main, San Francisco, Cal.
Carbo Hydrogen Co. of Am., Benedum Trees bldg, Pittsburgh, Pa.
Clausen N. C. Architectural Iron Co., Albany, N. Y.
Cortland Welding Compound Co., Cortland, N. Y.
Davison N. C. Gas Burner & Welding Co., 2939 Smallman, Pittsburgh, Pa.
Eastman, J. B., 831 Crocker, Los Angeles, Cal.
Guyan Machine Shops, Logan, W. Va.
International Oxygen Co., 796 Frelinghuysen av, Newark, N. J.
Kelker Blower Co. Inc., 2383 Fillmore av, Buffalo, N. Y.
See adv index at end of book
Koven L. O. & Bro. Inc., 154 Ogden av, Jersey City, N. Y.
See adv index at end of book
Lebanon Boiler Works, Harrison bldg, Phila., Pa.
Littleford Bros. (To Order), 444 E Pearl, Cincinnati, Ohio
See adv index at end of book
McDOWELL MFG. CO. (THE) (Millvale Sta.), Pittsburgh, Pa.
See adv index at end of book
Macleod Co., 2227 Bogen, Cincinnati, O.
See adv index at end of book
Milburn A. Alexander Co., 1420 W Baltimore, Baltimore, Md.
Oregon Welding & Machine Wks., 5th & Glisan, Portland, Ore.
Pacific Boiler & Welding Works, 929 E 11th, Tacoma, Wash.
Pittsburgh Reinforced Brazing & Machine Co., 2525 Liberty, Pittsburgh, Pa.
St. Paul Foundry Co., Como av & Mackubin, St. Paul, Minn.
See adv index at end of book
Saturn Foundry & Mach. Co., Wheeling, W. Va.
Scaife Wm. B. Sons & Co., First Nat'l Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, Pa. *See adv index at end of book*
Southwest Welding & Machine Co., 621 N Main, Los Angeles, Cal.
Standard Gas Products Co., Inc. (Supplies), Atlanta, Ga.
Valley City Welding & Mfg. Co., Valley City, N. D.
Weldcraft Equipment Co., 3501 Penn. av, Pittsburgh, Pa.
West Coast Iron & Steel Works Inc., 485 N 28th, Portland, Ore.
Western Drop Forge Co., P. O. Box 386, Marion, Ind.
Wheeling Machine Products Co., Main & 20th, Wheeling, W. Va.
See adv index at end of book

16746—*Welding (Oxy-Hydrogen)

Electrolabs Co., 2635 Penn av, Pittsburgh,
See adv index at end of book

16746a—*Welding Rods (Tobin Bronze, Manganese, etc.)

AMERICAN BRASS CO., Waterbury, Conn.
See adv index at end of book

16747—Welding (Steam Flue)

Fix's S. Sons, Leonard & Winter, Cleveland, O.

16747a—*Welding Supplies

ALLAN MFG. & WELDING CO. INC., 728 Washington, Buffalo, N. Y.
See adv index at end of book
Kleinhans H. Co. ("Uno-Flo" Welding Electrodes), Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Lincoln Electric Co. (Electrode Holders), Cort & Kirby, Cleveland, Ohio
OXWELD ACETYLENE CO., 30 E 42nd, New York
See adv index at end of book
Welding Materials Co. ("Wemco"), 116 Liberty, New York
See adv index at end of book

"WEMCO"
Welding and Brazing Wires, Rods and Fluxes for Electric and Oxy-Acetylene Welding and Brazing. Rods for various alloy metals.
Your inquiries solicited
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16748—Welding (Thermit Process)

Hamilton Welding Mfg. Co., Hamilton, Ohio
METAL & THERMIT CORP.(Heavy Sections), 120 B'way, New York
Thomasville Iron Works Inc. (For Locomotive Frames), Thomasville, Ga.

16748a—Welding & Cutting Apparatus (Electric)

ALLAN MFG. & WELDING CO. INC., 728 Washington, Buffalo, N. Y.
See adv index at end of book
BURKE ELECTRIC CO., Erie, Pa.
See adv index at end of book
ELEC. ARC CUTTING & WELDING CO. (Electric), 152-156 Jelliff av, Newark, N. J. *See adv index at end of book*
FEDERAL MACHINE & WELDER CO. (THE) (Spot, Butt, Jump and Seam Welders, Electric Welders and Rollers for safe-ending Locomotive Boiler Tubes), Warren, Ohio
See adv index at end of book
Fidelity Brass Mfg. Co., 1317 S Oakley av, Chicago, Ill.
Kleinhans H. Co. (We manufacture the Mann Arc Welder), Union Trust bldg, Pittsburgh, Pa.
See adv index at end of book
Marvel Electric Welder Co. ("Marvel" A. C. Arc), E 28 Sprague, Spokane, Wash.
Ohio Brass Co. The, Mansfield, Ohio
Phoenix Tool Works ("Arc Gun"), 443 S San Pedro, Los Angeles, Cal.
Pittsburgh Reinforced Brazing & Machine Co., 2525 Liberty, Pittsburgh, Pa.
St. Paul Welding & Mfg. Co. ("Torit," Torches), 173 W 3rd, St. Paul, Minn.
Waters Arc & Welding Corp., 619 10th av, New York
Welding Service & Supply Co., 559 Howard, San Francisco, Cal.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
See adv index at end of book

16749—Welding & Cutting Apparatus (Oxy-Acetylene)

Admiral Welding Machine Co., 1607 Locust, Kansas City, Mo.
Advance Welding Machine Co., 111 N Desplaines, Chicago, Ill.
Air Reduction Sales Co., 342 Madison av, New York
Atlas Welding Works, Rahway, N. J.
Bastian Blessing Co., 240 E Ontario, Chicago, Ill.
See adv index at end of book

REGO
Welding and Cutting Apparatus
Manufactured by
The Bastian-Blessing Co.
240 East Ontario Street
Chicago

Betts & Betts Corp. ("Betts" Arc & Spot), 633 W 43rd, New York
Bishop & Babcock Co., 1204 E 55th, Cleveland, O.
Boom Boiler & Welding Co., 1615 Merwin av, Cleveland, O.
Burdett Mfg. Co., 309 St. Johns ct, Chicago, Ill.
California Compressed Air Co., 2311 E 52d, Los Angeles, Cal.
Carbic Mfg. Co., Duluth, Minn.
Cave Welding & Mfg. Co. ("Weldco"), 455 Worthington, Springfield, Mass.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Crowell Wm. Co., Van Horn & Central R R, Jersey City, N. J.
Davis-Bournonville Co., Van Wagenen av, Jersey City, N. J.
Dyer Co., 155 Brookline, Cambridge, Mass.
Eastman, J. B., 831 Crocker, Los Angeles, Cal.
Economy Welding Machine Co., Southwest blvd & Centre av, Kansas City, Mo.
Federal Brass Works, 31st & Kedzie av, Chicago, Ill.
General Welding & Equipment Co., 107 Mass av, Boston, Mass.
Granite City Iron Wks. Co., St. Cloud, Minn.
Harris Calorific Co., 2828 Washington av, Cleveland, O.
Henderson-Willis Welding & Cutting Co., 2305 N 11th, St. Louis, Mo.
Imperial Brass Mfg. Co., 1200 W Harrison, Chicago, Ill.
See adv index at end of book

OXY-ACETYLENE APPARATUS
THE IMPERIAL BRASS MFG. CO.
CHICAGO

International Oxygen Co. (Welding & Cutting Torches), 796 Frelinghuysen av, Newark, N. J.
K.-G. Welding & Cutting Co., 556 W 34th, New York
Kentucky Oxygen-Hydrogen, Louisville, Ky.
MACLEOD CO., 2227 Bogen, Cincinnati, Ohio. *See adv index at end of book*
Messer Welding Supply Corp, 126 10th, Brooklyn, N. Y.
Metal Welding & Supply Co., Denver, Col.
Milburn Alexander Co. ("Milburn" Torches, etc.), 1428 W Baltimore, Baltimore, Md.
Modern Engng. Co. (Torches, etc), 3411 Pine, St. Louis, Mo.
National Welding Equipment Co. ("National" Welding Torch), 223 Main, San Francisco, Cal.
See adv index at end of book

National
CUTTING AND WELDING EQUIPMENT
Manufacturers of everything for oxy-acetylene welding and cutting. Torches, regulators, hose, goggles, etc., also representatives for Todd Twin Pole Arc Welders.
NATIONAL WELDING EQUIPMENT CO.
223 Main Street, San Francisco, California

Oxweld

WELDING AND CUTTING APPARATUS

The Oxweld Process

The Oxweld Process of welding and cutting metal by means of the oxy-acetylene flame affords a simple and efficient tool for production and an easy, economical method of making quick repairs.

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Oxweld equipment embraces all the necessary apparatus to perform every operation within the range of the Oxy-acetylene Process.

Oxweld Welding Equipment
Oxweld Cutting Equipment
Oxweld Lead Burning Equipment
Oxweld Welding Rods and Fluxes
Oxweld Low-Pressure Acetylene Generators
Oxweld Portable Acetylene Generators

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Eastern Department

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Western Department

San Francisco, Seattle, Portland, Salt Lake City, Los Angeles, Phoenix

OXWELD ACETYLENE COMPANY

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OXWELD ACETYLENE CO., 30 E 42nd, New York
See adv index at end of book
Oxy-Acetylene Appliance Co., Jersey City, N. J.
Oxy-Acetylene Equipment Co., 830 Humbolt, Brooklyn, N. Y.
Rail Welding & Bonding Co. of Am., 2400 Woodland av, Cleveland, O.
Schemmel Geo. C., Wapakoneta, O.
Searchlight Co., 2236 Lumber, Chicago, Ill.
Standard Gas Products Co. Inc. (& Hydrogen Gases), Atlanta, Ga.
Superior Oxy-Acetylene Machine Co., Hamilton, O.
Tolman Mfg. Co. ("Tolman"), 19 West Third. Boston. Mass.
Topping Bros., 156 Varick, New York
See adv index at end of book

Welding and Cutting Apparatus
TORCHWELD
Supplies Service Spare Parts
TOPPING BROTHERS
156 VARICK STREET. NEW YORK

Torchweld Equipment Co. ("Torchweld"), 224 N Carpenter, Chicago, Ill.
Turner Brass Works, Sycamore, Ill.
Twin City Welding Co., 313 7th av S, Minneapolis, Minn.
United States Welding Co., 120 First, Minneapolis, Minn.
Victor Oxy-Acetylene Equipment Co., 844 Folsom, San Francisco, Cal.
See adv index at end of book

VICTOR APPARATUS
First in Economy, Speed and Stability
The most complete line of Oxy-acetylene Cutting and Welding Apparatus on the market.
VICTOR OXY-ACETYLENE EQUIPMENT CO.
884-886 Folsom St. San Francisco, Cal.

Varwig Mfg. Co., 120 Opera pl, Cincinnati, Ohio
Vulcan Auto Parts Co., 2128-30 Race, Phila., Pa.
Weldcraft Equipment Co., 2501 Penn. av, Pittsburgh, Pa.

16750—Well Casings & Supplies

American Steel Pipe & Tank Co. (Riveted), 608 S Main, Los Angeles, Cal.
Chicago Well Supply Co., 228-232 W Ontario, Chicago, Ill.
Consolidated Pipe Co. (Riveted Steel), 2440 E 9th, Los Angeles, Cal.
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Dobbins Core Drill Co., Inc., 81-85 6th, Long Island City, N. Y.
See adv index at end of book
Finn Bros. Paper Steel Works, 1308 N Spring, Los Angeles, Cal.
Hardesty R. Mfg. Co., 3063 Blake, Denver, Colo.
Kelly & Jones Co., The, Greensburg, Pa.
See adv index at end of book
Keystone Tank & Boiler Worfks, Butler, Pa.
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
LARKIN J. K. & CO., 253 B'way, New York *See adv index at end of book*
Los Angeles Mfg. Co., Inc., 2500 Lenard, Los Angeles, Cal.
Lyle Culvert & Road Equipt. Co., 171 27th av S E, Minneapolis, Minn.
McLaughlin Sheet Metal Works, 221 J, Sacramento, Cal.
Madewell Pipe & Culvert Works ("Madewell"), E 12th & 25th av), Oakland, Cal.
Montague Pipe & Steel Co., bldg, San Francisco, Cal.
National Tube Co., Frick bldg, Pittsburgh, Pa.
Pacific Oil Tool Co. ("P. O. T."), 1928 E 7th, Los Angeles, Cal.
Union Tank & Pipe Co. ("Hercules" Oil Well), 2801 Santa Fe av, Los Angeles, Cal.
Weld-Wire Co., 395 Christopher av, Brooklyn, N. Y.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

16750a—Well Drilling Bits & Stems

KROPP FORGE CO., 5301 Roosevelt rd, Chicago
See adv index at end of book

16751— Welting (Shoe)

Brockton Welting Co., Brockton, Mass.
CHICAGO BELTING CO., 116 N Green, Chicago, Ill.
See adv index at end of book
Fallon W. J., 34 Norfolk av, Boston, Mass.
Rockland Welting Co., Rockland, Mass
Worcester Counter Co., 356 Franklin, Worcester, Mass.

16752— Whalebone

National Whalebone Co., 25 W 45th, New York

16753—Wheel Truing Device

Ross Mfg. Co. ("Ross" For Precision Grinding), 3160 W 106th, Cleveland, O.
Taylor & Fenn Co., Hartford, Conn.

16754— Wheels (Aeroplane)

Ackerman Wheel Co., Rockefeller bldg, Cleveland, O.
Dayton Wire Wheel Co., Dayton, O.
Mott Wheel Works (Rims & Wheels), Jackson, Mich.
National Wheel Works, Inc., Geneva, N. Y.

16754a—Wheels (Agricultural Implement)

See also Wheels, Metal

Commercial Shearing & Stamping Co. (Pressed Steel Gong), Youngstown, Ohio
Crane & MacMahon, Inc. (Wood), St. Marys, Ohio
ELECTRIC WHEEL CO., Station D, Quincy, Ill. *See adv index at end of book*
French & Hecht, 4th & Farnam, Davenport, Ia.
Geneva Metal Wheel Co., Geneva, O.
Little J. R. Metal Wheel Co., Quincy, Ill.
See adv index at end of book

Metal Wheels
Manufactured for
Farm Implements of all kinds: for Farm Wagons, Dump Wagons, Farm Trucks, Gasoline Engine Trucks, Concrete Mixers, Tractors, Barrows, Carts, etc.
Write for particulars
J. R. Little Metal Wheel Co.
QUINCY, ILLINOIS

(Continued on following page)

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HEAVY DUTY BALL BEARING WHEELS
WHEEL DROP FORGED



There is a Colson Wheel for every use in every place

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Wheels (Agricultural Implement)—Continued

Niles Steel Products Co. (Furrow & Gong), Niles, O. *See adv index at end of book*
Youngstown Pressed Steel Co., Warren, O. *See adv index at end of book*

16755—Wheels (Automobile)

Ackerman Wheel Co., Rockefeller bldg, Cleveland, O.
Bethlehem Steel Co. (Steel Only), Bethlehem, Pa.
Bowman Carriage Co., Sacramento, Cal.
Budd Wheel Corp. (Wire & Steel), Lehigh av & 22d, Phila., Pa.
California Steel Wheel Corp. ("Dual Pneumatic"), 734 E 12th, Los Angeles, Cal.
Cambria Spring Co., 916 S Los Angeles, Los Angeles, Cal.
Carnahan Industrial Engineer Corp ("Wishbone"), 1555 Railroad av, Bridgeport, Conn.
Columbia Steel Wheel Co. ("Columbia" Disc), 254 Hawthorne av, Portland, Ore.
Compressed Spruce Products Co., 1010 E E, Tacoma, Wash.
Crane & MacMahon, Inc. (Wood), St. Marys, Ohio
Dayton Automotive Wheel Co. (Wood), Dayton, Ohio
Dayton Steel Fdry. Co. (Truck), Dayton, O.
Detroit Pressed Steel Co. ("Disteel"), 6660 Mt. Elliott, Detroit, Mich.
Eberly & Orris Co., Mechanicsburg, Pa.
French & Hecht, Davenport, Ia.
Harris Chas. E., The, Easthampton, Mass.
Hayes Wheel Co. ("Hayes" Wire), Jackson, Mich.
Hill-Smith Metal Goods Co. ("Minute" Demountable Wheels), 82 Brookline av, Boston, Mass.
Hoopes Bro. & Darlington (Inc.), West Chester, Pa.
Hydraulic Pressed Steel Co. (Pressed Steel), 3152 E 61st, Cleveland, O.
Jaxon Steel Products Corp., Horton, Jackson, Mich.
Kelsey Wheel Co., 3600 Military av, Detroit, Mich.
Lapierre H. M. Co., 1314 W 21st, Chicago, Ill.
MOTOR WHEEL CORP. (Wood for Passenger Cars & Trucks, Steel Disc "Disteel," "Tuarc," "Forsyth"), 701-735 E Saginaw, Lansing, Mich. *See adv index at end of book*
Pacific Coast Wheel Co., 1933 Maple av, Los Angles, Cal.
Parker Wheel Co., 3778 E 78th, Cleveland, O.
Phelps Mfg. Co. ("Freyer" Wire Demountable), Columbus, O.
Powell Pressed Steel Co. ("Deady" Dual Disc), Hubbard, O.
Prudden Wheel Co., Lansing, Mich.
Resilient Safewheel Co., Inc. ("Safewheel"), 1829 Cypress, Oakland, Cal.
Salisbury Wheel & Axle Co., Inc., Jamestown, N. Y.
Schwarz Wheel Co. ("Schwarz" Wood), Margaret & Trenton av, Frankford, Phila., Pa.
Standard Wheel Co., Terre Haute, Ind.
Waterhouse & Lester Co. (Sales Truck), 540 Howard, San Francisco, Cal.
Western Wheel Co., 1625 S Los Angeles, Los Angeles, Cal.
Westgate Metal Products Co. ("Westgate" Disc), E 12th & 47th av, Oakland, Cal.
Williams Steel Wheel & Rim Co., Utica, N. Y.

16756-7—Wheels (Automobile Steering)

See also Gears, Automobile Steering

American Hard Rubber Co. (Hard Rubber), 9 Mercer, New York
American Wood Rim Co. (Wood), Onaway, Mich.
Badger Mfg. Corp., 156 Clinton, Milwaukee, Wis.
Byrne, Kingston & Co. ("Kingston"), Kokomo, Ind.
Coulter Mfg. Co., Inc. ("Stouts Adjusto Lock"), 259 Austin, Buffalo, N. Y.
Dill Mfg. Co. (Cocking, for Ford Cars), 684 E 82nd, Cleveland, O.
Eastern Tube & Tool Co., Inc. ("Ettco"), 594 Johnson av, Brooklyn, N. Y. *See adv index at end of book*
Halladay, L. P. Co., Streator, Ill.
La Pierre H. M. Co. ("Duclie"), 1314 W 21st, Chicago, Ill.
Pouvailsmith Corp., Poughkeepsie, N. Y.
Rastetter Louis & Sons, Fort Wayne, Ind.
Smith Wheel, Inc., Syracuse, N. Y.
Wadsworth Mfg. Co., 155 W Congress, Detroit, Mich.

16758—Wheels (Baby Carriage)

Bay State Metal Wheel Co., East Templeton, Mass.
Burgess & Norton Mfg. Co. (Go-Cart Wheels), Geneva, Ill.
Chase L. C. & Co. ("Chase" Pressed Steel), 89 Franklin, Boston, Mass.

16759—Wheels (Ball Bearing)

Burgess & Norton Mfg. Co. (For Invalid Chairs, Hospital Beds, etc), Geneva, Ill.
Colson Co., The (with swivel ball bearing forks & rubber or metal tires), Elyria, Ohio *See adv index at end of book*
Dickinson Ball Bearing Wheel & Vehicle Co., Little Rock, Arkansas
Harris & Reed (Sheave), 1500 W 15th, Chicago, Ill.
McCabe Hanger Mfg. Co., 426-428 W 25th, New York
Nice Ball Bearing Co. (Truck), 30th & Nicetown, Philadelphia, Pa.

16760-1— Wheels (Barrow)

See also Wheels, Metal

Electric Wheel Co. (Steel), Station D, Quincy, Ill. *See adv index at end of book*
French & Hecht, 4th & Farnam, Davenport, Ia.
Geneva Metal Wheel Co., Geneva, O.
Mullins Body Corp., Dept. H, Salem, Ohio
STERLING WHEELBARROW CO. ("Sterling" Steel), Milwaukee, Wis. *See adv index at end of book*

16762— Wheels (Brake)

Dayton Malleable Iron Co. ("Perfect"), Dayton, O.
National Malleable Castings Co., 7706 Platt av, S. E., Cleveland, O.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Western Steel Car & Foundry Co., Farmers Bk. bldg, Pittsburgh, Pa.

16763— Wheels (Brass)

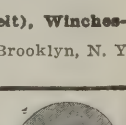
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, Ohio *See adv index at end of book*

16764—Wheels (Buffing & Polishing)

See also Buffing & Polishing Machines

Advance Platers' Supply Co. (Plating), 159 N Jefferson, Chicago, Ill.
Armstrong Cork Co. (Cork, for Polishing Glass), 24th & A. V. R. R., Pittsburgh, Pa.
Bacon Felt Co. ("Bacon" Felt), Winchester, Mass.
Barker Bros., Inc., 6 Leo pl, Brooklyn, N. Y. *See adv index at end of book*

Buffing Wheels



Muslin, Flannel, Etc.

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Of every description for the plating room.

Full disc & pieced

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6 Leo Pl., Brooklyn, N. Y.

Bennett-O'Connell Co. (Canvass-Felt, Bull-Neck, etc), 3600 S Morgan, Chicago, Ill.
Besly Chas. H. & Co. (Hand Polishing), 120 N Clinton, Chicago, Ill.
Buchanan Thos. Co., The, 114 W Pearl, Cincinnati, Ohio *See adv index at end of book*
Buffalo Pulley & Caster Co., Inc. (Bull Neck Leather), 182 Breckenridge, Buffalo, N. Y.
Burns E. Reed ("Acme" Pierced, "Victor" Sheepskin, "Champion" Canvas, "Eureka" Solid Leather, also Wool Felt Leatherine, Canvas, Bullneck, etc), 27 Jackson, Brooklyn, N. Y.
Chicago Rawhide Mfg. Co., The (Leather), 1307 Elston av, Chicago *See adv index at end of book*
Codman F. L. & J. C. Co. (Cotton), 15 Elkins S, Boston, Mass.
Commonwealth Felt Co. (Jobbers), 76 Summer, Boston, Mass.
Coxsackie Wheel & Mfg. Co., Coxsackie, N. Y.
Cutter & Wood Supply Co., 274 Friend, Boston, Mass.
Day S. A. Mfg. Co., 1483 Niagara, Buffalo, N. Y.
Divine Bros. Co. ("The Compress"), Utica, N. Y.
Dixon Wm., 119 Fulton, New York
Eastern Felt Co. ("Independence," "U. S. A.," "X-L," "Victory," "Pearl," "Jewel"), Canal, Winchester, Mass.
Hamilton Emery & Corundum Co., Chester, Mass.
Hanson & Van Winkle Co., 269 Oliver, Newark, N. J.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio *See adv index at end of book*
Keystone Emery Mills, 4325 Paul, Phila., Pa.
L'Hommedieu Chas. F. & Sons ("Reliance" Canvas, Sheepskin, etc.), 4521 Ogden av, Chicago, Ill.
Miller & Co. ("Wairine" Leather), 12 William, Newark, N. J.
Munning A. P. & Co., Matawan, N. J.
New England Buff Co., 101 Albany, Boston, Mass.
Nickel Adolph Mfg. Co., 715 Sycamore, Cincinnati, O.
Oriental Emery Co., New Haven, Conn.
Page Belting Co. (Leather Polishing), Concord, N. H.
Rickless A. & Co., Chelsea, Mass.
Rockwood Mfg. Co. (Paper), Indianapolis, Ind.
Schlegel Mfg. Co., 277 N Goodman, Rochester, N. Y.
Springfield Mfg. Co., Bridgeport, Conn.
Sterling Grinding Wheel Co., Tiffin, O.
Stevens Frederic B., Inc., 3rd & Larned, Detroit, Mich. *See adv index at end of book*
Stow Mfg. Co., Inc. (& Grinding), Binghamton, N. Y. *See adv index at end of book*
Thayer P. E. & Co., Pawtucket, R. I.
Tingue, Brown & Co., 118 E 25th, New York
Webb Mfg. Co. (Muslin), 245-247 N. J. RR av, Newark, N. J.
Williamsville Buff Mfg. Co., Danielson, Conn.
Yorkville Mfg. Co. Inc. ("Pressto" Sheepskin), 35 Broadway, Brooklyn, N. Y.

16764a—*Wheels (Bull, etc.)

INTERNATIONAL DERRICK & EQUIPMENT CO. (Steel, Band & Calf), Michigan & Buttles avs, Columbus, Ohio

16765— Wheels (Cable Reel)

Hallett Iron Works ("Hallett"), Harvey, Ill.
Indestructible Wheel Co., Lebanon, Ind.

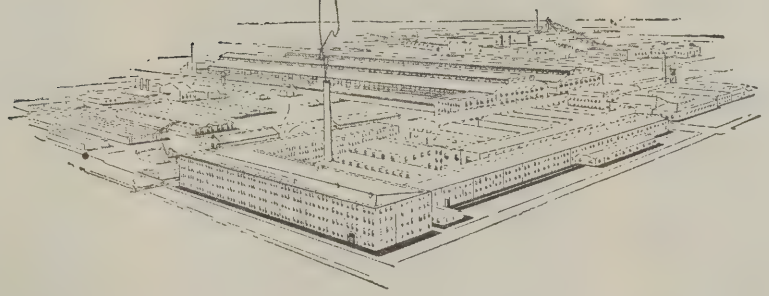
16766— Wheels (Car)

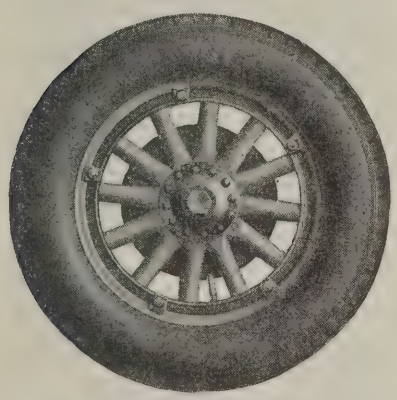
See aso Wheels, Mine Car

Albany Car Wheel Co., Albany, N. Y.
American Car & Foundry Co. (Chilled, etc), Syndicate Trust bldg, St. Louis, Mo.
American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept. H, 14th & State, Chicago Heights, Ill.
American Pulley Co. (Wrought Steel for Railway Section Gang Cars, Track Laying, etc.), 4200 Wissahickon av, Phila., Pa.
American Steel Foundries ("Davis" Cast Steel), McCormick bldg, Chicago, Ill.
Atlas Car & Mfg. Co., Cleveland, O. *See adv index at end of book*
Barney & Smith Car Co., Dayton, O.
Barnum-Richardson Co., Lime Rock, Conn.
Bass Foundry & Machine Co., Fort Wayne, Ind.
Bethlehem Steel Co., Bethlehem, Pa.
Bloomsburg Car Mfg. Co., Bloomsburg, Pa.
Bradley, Osgood Car Co., West Boylston, Worcester, Mass.
Bonney-Floyd Co. (Special Alloy Steel, Mine & Industrial), Columbus, O.

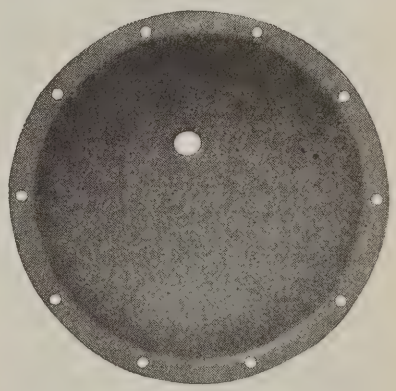
(Continued on page 2238)

Motor Wheel PRODUCTS









MOTOR WHEEL CORPORATION, LANSING, MICHIGAN

Wood Wheels
Steel Wheels
Stampings

Wheels (Car)—Continued

Brill J. G. Co., 62d & Woodland av, Phila., Pa.
Brown Car Wheel Works, 466 Howard, Buffalo, N. Y.
Buda Co., Harvey, Ill.
Buffalo Car Wheel Foundry Co., Dunn bldg, Buffalo, N. Y.
Carnegie Steel Co. (Steel), Carnegie bldg, **Pittsburgh, Pa.**
Cayuta Mfg. Co., Sayre, Pa.
Chester Steel Castings Co., Chester, Pa.
Commercial Shearing & Stamping Co., Youngstown, Ohio
Connellsville Machine & Car Supply Co., Connellsville, Pa.
Dickson Car Wheel Co. (Chilled Car & Engine), Houston, Tex.
Duncan Foundry & Machine Works (Chilled), Alton, Ill.
Eagle Iron Works Co., Terre Haute, Ind.
Easton Car & Construction Co., 36 Holley, Easton, Pa.
Edgewater Steel Co. (Rolled Steel), Edgewater Station & A V. RR, Pittsburgh, Pa
Enterprise Foundry & Machine Wks. ("Whitney"), Bristol, Tenn.
Fairbanks, Morse & Co., Sheffield Plant (Wrought Steel), Three Rivers, Mich.
Farrell-Check Steel Foundry Co. (Industrial), Sandusky, Ohio
Ferguson & Lange Foundry Co. (Chilled), Clybourne av & Willow, Chicago, Ill.
Fisher Mine Equipment Co. ("Fisher's," Heavy Duty), W Newton, Pa.
Ford & Kimball, Concord, N. H.
Forged Steel Wheel Co. (Forged Steel), Pittsburgh, Pa.
Galena Iron Works Corp., Galena, Ill.
Griffin Wheel Co. (Chilled Iron Wheels of All Kinds), Main Office, 332 S Michigan av, Chicago, Ill.
Gustafson Mfg. Co., 211 W 26th, Chattanooga, Tenn.
Haskell & Barker Car Co., Michigan City, Ind.
Houston Car Wheel & Mach. Co., Houston, Tex.
Illinois Steel Co. (Steel Forged), 208 S La Salle, Chicago, Ill.
JONES W. A. FOUNDRY & MACHINE CO., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book
Kilbourne & Jacobs Mfg. Co. (For Wood, Steel, Cast Iron Cars), Columbus, O.
Kilby Car & Foundry Co., Anniston, Ala.
Laconia Car Co., 60 Congress, Boston, Mass. Works: Laconia, N. H.
Lobdell Car Wheel Co., Wilmington, Del.
Louisville Car Wheel & Railway Supply Co., Louisville, Ky.
Manistee Iron Works Co., Manistee, Mich.
Marks & Fiske, 2507 24th, Detroit, Mich.
Marshall Car Wheel & Foundry Co., Marshall, Tex.
Maryland Car Wheel Works, Curtis Bay, Baltimore, Md.
Mount Vernon Car Mfg. Co., Mt. Vernon, Ill.
Mullins Body Corp., Dept. H, Salem, Ohio
National Car Wheel Co. (Chilled Iron), Keystone bldg, Pittsburgh, Pa.
New York Car Wheel Co. (All Kinds), 15 Forest av, Buffalo, N. Y.
Pennsylvania Casting & Machine Co., M. C. B. (For Mine Locomotives, Street Cars, etc), 501 Preble, Pittsburgh, Pa.
Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.
Penn Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.
Portage Lake Foundry & Machine Co. (Chilled), Hancock, Mich.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Prosser Thos. & Son ("The Krupp"), 15 Gold, New York
Pullman Co., Pullman, Chicago, Ill.
Ramapo Foundry & Wheel Works, Ramapo, N. Y.
Russel Wheel & Foundry Co., Chene & Bt. RR, Detroit, Mich.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Sanford-Day Iron Works ("Whitney"), 612 Dale, Knoxville, Tenn.
Southern Wheel Co., 7th & av F, Birmingham, Ala.
Standard Car Wheel Co. (Chilled), 6704 Bessemer, Cleveland, O.
Steiger & Kerr Stove & Foundry Co., 2201 Folsom, San Francisco, Cal.
Tredegar Co., ft of 5th, Richmond, Va.
Tuscaloosa Iron Works, Tuscaloosa, Ala.
Union Iron Works, Hoboken, N. J.
Watt Mining Car Wheel Co., Barnesville Ohio
Western Steel Car & Foundry Co., Farmers Bk. bldg, Pittsburgh, Pa.
Youngstown Pressed Steel Co., Warren, O.
See adv index at end of book

16767—Wheels (Car, Ball or Roller Bearing)

Bonney-Floyd Co. (Special Alloy Steel, Ball & Roller Bearing & All Types, Self-Lubricating), Columbus, O.
Buda Co., Harvey, Ill.
Chase Foundry & Mfg. Co. The (Roller Bearing), 2700 S Parsons av, Columbus, O. *See adv index at end of book*
Fisher Mine Equipment Co. ("Fisher's Heavy Duty Roller Bearing Mine), W Newton, Pa.
Ottumwa Iron Wks (For Mine & Lumber Trucks), Ottumwa, Ia.
Sanford-Day Iron Works ("Whitney"), Knoxville, Tenn.

16768—Wheels (Carborundum & Aloxite Grinding)

Carborundum Co., Niagara Falls, N. Y.

16769—Wheels (Carriage & Wagon)

Archibald Wheel Co., Lawrence, Mass.
Armstrong Wm. H., South Coventry, Conn.
Avoca Wheel Co., Avoca, N. Y.
Baltimore Hub-Wheel & Mfg. Co., Fallsway & Gy, Baltimore, Md.
Bimel Spoke & Auto Wheel Co., Portland, Ind.
Bookwalter Wheel Co., Miamisburg, O.
Buffington Wheel Co., Burlington, Ia.
Concord Wheel Co., Concord, N. H.
Crane & MacMahon, Inc. ("Hickory Nut," "Acorn" Wood), St. Marys, Ohio
Daniels Geo. E, (Heavy), Rowley, Mass.
Dickinson Ball Bearing Wheel & Vehicle Co. (With Ball Bearing Boxes), Little Rock, Ark.
Eames Alfred M. & Co., Farmingham, Mass.
Eberly & Orris Mfg. Co., Mechanicsburg, Pa.
Electric Wheel Co., Station D, Quincy, Ill.
See adv index at end of book
Ford & Co., Tippecanoe City, O.
French & Hecht (Wagon), 4th & Farnam, Davenport, Ia.
Hinkel J. K. Mfg. Co., Mechanicsburg, Pa.
Holt Bros. Mfg. Co., Concord, N. H.
Hoopes Bros. & Darlington (Inc.), West Chester, Pa.
Jones Phineas & Co., 305 Market, Newark, N. J.
Kerr L. S. D., Frenchtown, N. J.
Kilbourne & Jacobs Mfg. Co. (Wagon), Columbus, O.
Lebzelter Phillip & Son Co. ("Star," "Warner"), Lancaster, Pa.
Luedinghaus - Espenschied Wagon Co. (Heavy), 1717 N B'way, St. Louis, Mo.
McGlone Bros., Morehead, Ky.
Madison Wheel Co., Madison, O.
Mitchell Wheel Co., Miamisburg, O.
Muncie Wheel Co. ("Bannister"), Muncie, Ind.
Mutual Wheel Co., Moline, Ill.
Ness Bros. & Co., York, Pa.
New Wapakoneta Wheel Co., Wapakoneta, Ohio.
Niles & Scott Co. (Heavy), La Porte, Ind.
North Carolina Wheel Co., High Point, N. C.
Oddy, Hodgson & Son, Wallingford, Conn.
Owensboro Wagon Co. (Wood Wagon), Owensboro, Ky.
Pinneo & Daniels Co., Dayton, O.
Rex Buggy Co., Connersville, Ind.
Rowe's Robt. Sons, Brentwood, N. H.
Shortsville Wheel Co. ("Sweet's"), Shortsville, N. Y.
Standard Wheel Co., Terre Haute, Ind
Stevens A. E. & Co., 15 Union, Portland, Me.
Stinson Edward Mfg. Co., Guilford, Baltimore, Md.
Trammel Co., Gallatin, Tenn.
Union City Wheel Co., Union City, Ind.
Union Wheel Works, 53 Stanton, Newark, N. J.
Waterhouse & Lester Co. (Dlrs.), 540 Howard, San Francisco, Cal.
West Falmouth Mfg. Co., West Falmouth, Me.
Wheel & Wood Bending Co., 241 John, Bridgeport, Conn.

16770— Wheels (Caster)

Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
See adv index at end of book
Bond Foundry & Machine Co., Penn st, Manheim, Pa.
COLSON CO. (THE), Elyria, Ohio
See adv index at end of book
Eames Co., 920 Howard, San Francisco, Cal.
Estes E. B. & Sons (Wood), 364 5th av, New York. *See adv index at end of book*
Fairbairns & Finley, Inc. (Rubber, Steel & Wood Tired), 56 Auburn av, Utica, N. Y.
Lakewood Engineering Co., Cleveland, O.
Mullins Body Corp., Dept. H, Salem, Ohio
National Vulcanized Fibre Co., Beach & Maryland, Wilmington, Del.
See adv index at end of book
Peters' Jno. M. Sons (Wood Caster Rolls), Bleecker, N. Y.
Sommer John Faucet Co. (Wooden), 30 Morris, Newark, N. J.
Spaulding Fibre Company, Inc. (Hard Fibre), North Rochester, N. H.
See adv index at end of book
Standard Fibre Co. (Hard Fibre), Miller st, Somerville, Mass.
Stiles H. A. & Co. (Wood), 166-174 Portland, Boston, Mass.
See adv index at end of book
Victor Truck Co. ("Victor" Truck Casters), Johnsonburg, Pa.

16770a— *Wheels (Chain)

Babbitt Steam Specialty Co., New Bedford, Mass.
Crane Co. (For Valves), 836 S Michigan av, Chicago, Ill.
See adv index at end of book

16771—Wheels (Chilled Bridge)

Lobdell Car Wheel Co., G nr Christiana, Wilmington, Del.

16771a—*Wheels (Concrete Mixer)

LITTLE J. R. METAL WHEEL CO., Quincy, Ill.
See adv index at end of book

16771b—Wheels (Counting & Printing)

Franklin Die-Casting Corp., Gifford & Magnolia, Syracuse, N. Y.
See adv index at end of book

16772— Wheels (Crane)

American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept. H, 14th & State, Chicago Heights, Ill.
Bonney-Floyd Co. (Manganese & Various Carbon & Alloy Steels), Columbus, O.
Curtis & Co. Mfg. Co., 1502 Kienlen av, St. Louis, Mo.
Louisville Car Wheel & Ry Supply Co. (Double Flange), Louisville, Ky.
Pittsburgh Iron & Steel Foundries Co., H Oliver bldg, Pittsburgh, Pa.

16773—Wheels (Derrick Bull)

Channon Jas. H. Mfg. Co. (For Swinging Booms on Derricks), 227 W Erie, Chicago, Ill.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Marion Machine Foundry & Supply Co., Marion, Ind.

16773a—Wheels (Derrick—Double Flange)

Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*

16774— Wheels (Disc)

Buffalo Forge Co., 490 Broadway, Buffalo, N. Y.
Champion Blower & Forge Co. ("Champion"), Lancaster, Pa.
Colson Co. (Small 3" to 10"), Elyria, Ohio
See adv index at end of book
Columbia Steel Wheel Co. ("Columbia"), 254 Hawthorne av, Portland, Ore.
Compressed Spruce Products Co., 1010 East E, Tacoma, Wash.
Dayton Automotive Wheels, Dayton, O.
Detroit Pressed Steel Co. (Steel, Passenger, Automotive & Trucks), 6660 Mt. Elliott, Detroit, Mich.
McKinney & Spies (Aluminum), 2319 Clement av, Alameda, Cal.
Milwaukee Stamping Co. (Steel for Coasters), W Allis, Milwaukee, Wis.
See adv index at end of book
MOTOR WHEEL CORP. ("Disteel," "Tuarc," "Forsyth" Steel Disc), 701-735 E Saginaw, Lansing, Mich.
See adv index at end of book
Resilient Safewheel Co., Inc. ("Safewheel"), 1329 Cypress, Oakland, Cal.
United Engine & Machine Works, Inc. ("Sulprizio" Aluminum), 507 Broadway, Fresno, Cal.
Westgate Metal Products Co. ("Westgate"), E 12th & 47th av, Oakland, Cal.
Youngstown Pressed Steel Co., Warren, O.
See adv index at end of book

16775-6— Wheels (Driving)

Brown A. & F. C., 79 Barclay, New York,
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Chester Steel Casting Co., Chester, Pa.
Commonwealth Steel Co. ("Davis" Steel), Pierce bldg, St. Louis, Mo.
La Pierre H. M., 1314 W 21st, Chicago, Ill.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Motor Wheel Corp., Lansing, Mich.
See adv index at end of book
New York Car Wheel Co., Buffalo, N. Y.
Ramapo Iron Works, Hillburn, N. Y.
Wason Mfg. Co., Springfield, Mass.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

Wheels (Emery)

See Emery & Corundum Wheel Mfrs.

16777— Wheels (Felt)

Bacon Felt Co. ("Bacon"), Winchester, Mass.
Barker Bros., Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
Day S. A. Mfg. Co., 1483 Niagara, Buffalo, N. Y.
Dixon, Wm., 119 Fulton, New York
Eastern Felt Co. (Wool for Buffing & Polishing, "Independence," "U. S. A.," "X-L," "Victory," "Pearl," "Jewell"), Canal, Winchester, Mass.
Kerner W. R. & Co. (Spanish & Mexican), 1329 Thorndale av, Chicago, Ill.



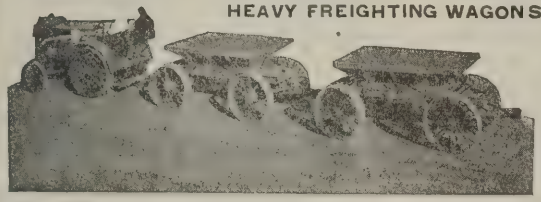
"ELECTRIC STEEL WHEELS"

The Built-to-last Kind

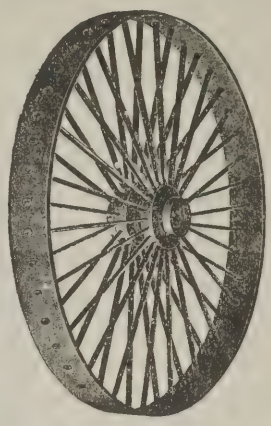
For any purpose, any size or width of Tire to fit any kind or size of axle

Wheels for Truck Wagons, Contractors' Wagons and Carts; Farm Implements, CONCRETE MIXERS, Road Machinery, Log Wagons, Portable Mounts, TRACTION ENGINES, Heavy Trucks of all kinds; also complete Farm Trucks, Log and Freighting Wagons, wood and steel axles.

HEAVY FREIGHTING WAGONS







WRITE FOR CATALOGS

ELECTRIC WHEEL COMPANY

Station D QUINCY, ILL., U. S. A.

16778—Wheels (Fibre Truck)

Colson Co., Elyria, Ohio
Continental Fibre Co., Newark, Del.
Diamond State Fibre Co., Dept. 37, Bridgeport, Pa.
See adv index at end of book
Iten Fibre Co., 2358 E 67th, Cleveland, Ohio
See adv index at end of book
Lansing Co., Lansing, Mich.
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
Standard Fibre Co., Miller st, Sommerville, Mass.

16779-80— Wheels (Fifth)

Donigan & Nielson ("Nielson"), 743 3d av, Brooklyn, N. Y.
Eccles Richard Co., Auburn, N. Y.
Empire Roller Fifth Wheel Works (Roller), Quincy, Ill.
Gogel Mfg. Co. (Center & Rear King Bolt), Toledo, O.
Herbrand Co., Fremont, O.
Keystone Forging Co. ("Derby"), Northumberland, Pa.
King Fifth Wheel Co., 5027 Beaumont av, Phila., Pa.
Martin Rocking Fifth Wheel Co. (Truck Convertible), 21 Besse pl, Springfield, Mass.
Millersburg Fifth Wheel Co., Millersburg, Pa.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
Superior Fifth Wheel Co., Superior, Wis.
Wilcox D. Mfg. Co. (Full Line), Mechanicsburg, Pa.

16781— Wheels (Fly)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
Bethlehem Steel Co., Bethlehem, Pa.
Brown A. & F. Co., 79 Barclay, New York.
CALDWELL E. A. & CO., Bradford, Pa.
See adv index at end of book
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Carey W. W. Co. (Wood Rim, Iron Center), Lowell, Mass.
Cooper C. & G. Co., Mount Vernon, O.
Cresson-Morris Co. (Up to 30 ft), Allegheny & 18th, Phila., Pa.
Danville Iron & Steel Co., Danville, Pa.
Dodge Mfg. Corp., Mishawaka, Ind.
Erie Forge Co. (Links), Erie, Pa.
Eyster, Weiser & Co., York, Pa.
Filer & Stowell Co., Milwaukee, Wis.
Fitchburg Foundry Co., Fitchburg, Mass.
Fuller-Lehigh Co. (To Any Size), Fullerton, Pa. *See adv index at end of book*
Golden's Foundry & Machine Co., Columbus, Ga.
Great Lakes Engineering Works, Real Est. Exch. bldg, Detroit, Mich
Hanson Clutch & Machinery Co., Tiffin, O.
Hardie-Tynes Mfg. Co., Birmingham, Ala.
Hill Clutch Machine & Foundry Co., W 65th st, Cleveland, Ohio
Interstate Foundry Co., E 61st & Erie R. R., Cleveland, O.
JONES W. A. FOUNDRY & MACHINE CO., 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Mackintosh-Hemphill Co. (Large for Rolling Mills), 12th & Etna, Pittsburgh, Pa.
Medart Company, The 3500 De Kalb, St. Louis, Mo. *See adv index at end of book*
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
Mobile Stove & Pulley Mfg. Co., Mobile, Ala.
Nordberg Mfg. Co., Chicago & Oklahoma, Milwaukee, Wis.
Phila. Roll & Machine Co., 52d & Grays av, Phila., Pa.
Platt Iron Works Co., Dayton, O.
POOLE ENGINEERING & MACHINE CO. (Up to 50 ft. Diameter & 12 ft. Face), Woodberry, Baltimore, Md.
See adv index at end of book
PYOTT FOUNDRY CO., 330 N Sangamon, Chicago, Ill.
See adv index at end of book
Southwark Foundry & Machine Co., 1128 S 4th, Phila., Pa.
See adv index at end of book
Stephens-Adamson Mfg. Co. ("S.-A."), Aurora, Ill.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
United Iron Works, Inc., Kansas City, Mo.
Vulcan Iron Works, Wilkes-Barre, Pa.
Wearne Bros., Omaha, Neb.
Webster Mfg. Co., 4500-60 Courtland, Chicago, Ill.
See adv index at end of book
Whiton D. E. Mfg. Co. (Finished Ready for Gas Engines), New London, Conn.
Wood's T. B. Sons Co., Chambersburg, Pa.

16782—Wheels (Fly Rope Pulley)

Finch Mfg. Co. (Sheave), Scranton, Pa.
Mackintosh-Hemphill Co. (Large), 12th & Etna, Pittsburgh, Pa.
Wood's T. B. Sons Co., Chambersburg, Pa.

16783— Wheels (Gear)

Bonney-Floyd Co. (Various Carbon Steels, Manganese & Alloy Steels), Columbus, Ohio
Bilgram Machine Works, 1231 Spring Garden, Phila., Pa.
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Dundore Mfg. Co., 224 Orange, Reading, Pa.
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Jeffrey Mfg. Co., 961 N 4th, Columbus, Ohio
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago
See adv index at end of book
Mackintosh-Hemphill Co. (Large), 12th & Etna, Pittsburgh, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*
Worcester Gear Works Inc., 18 Grafton, Worcester, Mass.

16784—Wheels (Gear, Hard Fibre)

DELAWARE HARD FIBRE CO., Wilmington Del. Works: Marshallton, Del. *See adv index at end of book*
Dundore Mfg. Co., 224 Orange, Reading, Pa.
Iten Fibre Co., 2358 E 67th, Cleveland, Ohio
See adv index at end of book
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
Philadelphia Gear Works, 1123 Vine, Phila., Pa. *See adv index at end of book*
Wilmington Fibre Specialty Co., Wilmington, Del.

16785— Wheels (Gilding)

Coe W. H. Mfg. Co. ("Coe's" & "Coe's" Ribbon Gold Leaf), 74 Weybosset, Providence, R. I.

16786—Wheels (Hand & Push Car)

Bonney-Floyd Co. (Special Alloy Steel, Manganese & Various Carbon Steels), Columbus, O.
Brown A. & F. Co., 79 Barclay, New York.
Eberly & Orvis Mfg. Co., Mechanicsburg, Pa.
Electric Wheel Co., Station D, Quincy, Ill.
See adv index at end of book
Eyster, Weiser & Co., York, Pa.
Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.
French & Hecht, 4th & Farnam, Davenport, Iowa
Geneva Metal Wheel Co., Geneva, O.
Kalamazoo Railway Supply Co. (Pressed Steel "Kalamazoo"), Kalamazoo, Mich.
Lansing Co., Lansing, Mich.
Lobdell Car Wheel Co., Wilmington, Del.
Mullins Body Corp., Dept. H, Salem Ohio
New York Car Wheel Co., Buffalo, N. Y.
Sanford-Day Iron Works, 612 Dale, Knoxville, Tenn.

16787—Wheels (Industrial Car)

Bonney-Floyd Co. (Special Alloy Steel, Self-Lubricating, All Types), Columbus, O.
Buffalo Pulley & Caster Co., Inc. (Leather Tread), 162 Breckenridge, Buffalo, N. Y.
Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Mullins Body Corp., Dept. H, Salem, Ohio
Sanford-Day Iron Wks., 612 Dale, Knoxville, Tenn.

16788— Wheels (Jewelers' Buffing)

BARKER BROS., INC., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book

16789— Wheels (Logging)

Anniston Electric Steel Co., Dept. H, Anniston, Ala.
Fuller-Lehigh Co., Fullerton, Pa.
See adv index at end of book
Grace C. M. & Co., Huntsville, Ala.
Holt Mfg. Co., Stockton, Cal.
LITTLE J. R. METAL WHEEL CO., Quincy, Ill.
See adv index at end of book
Overpack S. C., Manistee, Mich.
Sanford-Day Iron Wks., 612 Dale, Knoxville, Tenn.
Streich A. & Bro. Co. (10 to 12 Feet), Oshkosh, Wis.

16790—Wheels (Marble & Granite Polishing)

Bacon Felt Co. ("Bacon"), Winchester, Mass.
Eastern Felt Co. ("Pearl" White, "Jewel" Gray), Canal, Winchester, Mass.
Harrison Supply Co., 209 Washington, Boston, Mass.

16791—Wheels (Marine Steering)

See also Gears, Marine Steering

Bethlehem Shipbuilding Corp. Ltd., Dept. H, Broadhead & Parker av, Bethlehem, Pa.
Byrne, Kingston & Co. ("Kingston"), Kokomo, Ind.
Doud-MacFarlane Machy. Co., 1501 Dock, Tacoma, Wash.
Edson Mfg. Co. ("Edson"), 257 Atlantic av, Boston, Mass.
Gillie Machine Co., Tonawanda, N. Y.
Hall W. S. Co., Rochester, N. Y.
La Pierre H. M. Co. ("Dudie"), 1314 W 21st, Chicago, Ill.
LAUGHLIN THOS. CO. ("Puritan" & "Challenge," etc.), 135 Fore, Portland, Me. *See adv index at end of book*
Marine Mfg. & Supply Co., 158 South, New York
Sohl Fred, 1424 Railroad av, Seattle, Wash.
Stoddart A. P. & Co., Gloucester, Mass.
WILCOX CRITTENDEN & CO. INC. (Bronze, Iron & Wood), 444 S Main, Middletown, Conn.
See adv index at end of book

16792— Wheels (Metal)

Allis-Chalmers Mfg. Co. (Cast Iron Pulley, Sheave, etc.), Milwaukee, Wis.
See adv index at end of book
Aluminum Casting Co. (Aluminum Truck), 2210 Harvard, Cleveland, O.
Art Metal Construction Co., Jamestown, N. Y.
Bay State Metal Wheel Co., East Templeton, Mass.
Bethlehem Steel Co. (Steel for Trucks), Bethlehem, Pa.
Budd Wheel Corp. (Wire & Steel Automobile), Lehigh av & 22d, Phila., Pa.
Bush Foundry & Metal Wheel Co., Quincy, Ill.
Colson Co. (The), (2" disc to 8" drop forged), Elyria, Ohio
See adv index at end of book
Dayton Steel Foundry Co. (Steel Truck) Dayton, O.
Easton Car & Construction Co., 198 Fulton, New York. *See adv index at end of book*
ELECTRIC WHEEL CO. ("Electric" Steel Wagon Carts, etc.), Station D, Quincy Ill. *See adv index at end of book*
Empire Mfg. Co., Quincy, Ill.
Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.
French & Hecht (Truck), Davenport, Ia.
Geneva Metal Wheel Co. ("Geneva Security" All Steel), Geneva, O.
Havana Metal Wheel Co., Havana, Ill.
Heartley Machine, Variety Iron & Tool Works (Children's Carriages, Wagons, Wheelbarrow, Implements, etc), 906 Summit, Toledo, O.
Kilbourne & Jacobs Mfg. Co. (Steel & Cast Iron), Columbus, O.
Knox Metal Wheel Co., Knox, Ind.
Lack Singletree Co., Paducah, Ky.
Lansing Co. ("Lansing"), Lansing, Mich.
LITTLE J. R. METAL WHEEL CO. (Truck & for All Purposes), Quincy, Ill.
See adv index at end of book
Massillon Steel Casting Co., Massillon, O.
MOTOR WHEEL CORP. ("Disteel," "Tuarc," "Forsyth" Steel Disc), 701-735 E Saginaw, Lansing, Mich.
See adv index at end of book
Mott Wheel Works (Wire), Jackson, Mich.
Niles & Scott Co., Laporte, Ind.
Pacific Toy & Device Mfg. Co., 227 San Bruno av, San Francisco, Cal.
Parker Wheel Co., 3778 E 78th, Cleveland, Ohio
Peru Plow & Wheel Co., Peru, Ill.
Pettis W. W. Co., 416-417 First National Bank bldg, Cincinnati, O.
Prudden Wheel Co. (Motor Truck), Lansing, Mich.
Resilient Safewheel Co., Inc. ("Safewheel"), 1829 Cypress, Oakland, Cal.
Sewell Cushion Wheel Co., 6468 Gratiot, Detroit, Mich.
Smith Wheel (Inc.), (Metal Wheels for Trucks), Syracuse, N. Y.
Standard Steel Castings Co. (For Motor Trucks), 3311 W 73d, Cleveland, O.
STERLING WHEELBARROW CO., Milwaukee, Wis.
See adv index at end of book
Toledo Metal Wheel Co. (Small Wheels for Toy Automobiles, Baby Carriages, etc), Toledo, O.
Tractor Equipment Co., 2951 1st av S, Seattle, Wash.
Victor Truck Co. ("Victor" Casters), Johnsonburg, Pa.
West Steel Casting Co. (Truck), 805 E 70th, Cleveland, O.
Western Wheelbarrow Mfg. Co. ("Copper" Patent), South Ft. Smith, Ark.
Wharton Wm. Jr. & Co. Inc. (Cast Steel), Easton, Pa.
Williams Steel Wheel & Rim Co., Utica, N. Y.
Youngstown Pressed Steel Co. (Furrow & Gong), Warren, O.
See adv. index at end of book
Zering H. Mfg. Co., B. & O. Ry. & Hickory, Oakley, Cincinnati, O
See adv index at end of book

16793—Wheels (Mine Car)

American Car & Foundry Co. (Self-Oiling), Syndicate Trust bldg, St. Louis, Mo.
American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept. H, 14th & State, Chicago Heights, Ill.
American Steel Foundries, McCormick bldg, Chicago, Ill.
Anniston Electric Steel Co., Dept. H, Anniston, Ala.
Atlas Car & Mfg. Co., Cleveland, O.
See adv index at end of book
Bartlett A. F. & Co., Saginaw, Mich
Bonney-Floyd Co. (Special Alloy Steel, All Types, Self-Lubricating), Columbus, O.
Bowler Fdy. Co. (Chilled), 1638 Columbus, Cleveland, O.
Buda Co., Harvey, Ill.
Cherry Tree Machine Co. (Ring Oiler), Cherry Tree, Pa.
Connellsville Machine & Car Supply Co., Connellsville, Pa.
Duncan Foundry & Machine Works ("Hercules" Chilled), Alton, Ill.
Eagle Iron Works ("Eagle"), Des Moines, Ia.
Eagle Iron Works Co. ("Parker"), Terre Haute, Ind.
Easton Car & Construction Co., 36 Holley, Easton, Pa. *See adv index at end of book*
Edgewater Steel Co., Edgewater Station & A. V. RR, Pittsburgh, Pa.
Egyptian Iron Works, Murhysboro, Ill.
Enterprise Foundry & Machine Works (A. W. Whitney's" Self-Oiling), Bristol, Tenn.
Eyster, Weiser & Co., York, Pa.
Fairmount Mining Machinery Co. (Self-Oiling), Fairmount, W. Va.
Fisher Mine Equipment Co. ("Fisher's" Heavy Duty), W Newton, Pa.
Fleming J. R. & Son Co., Scranton, Pa.
FULLER LEHIGH CO., Fullerton, Pa.
See adv index at end of book
Fulton Pit Car Co. (Semi-Steel), Canal Fulton, Ohio
Galena Iron Works Corp., Galena, Ill.
Griffin Wheel Co., 332 S Michigan av, Chicago, Ill.
Gustafson Mfg. Co. ("Gustafson" Self-Oiling Roller Bearing), 211 W 26th, Chattanooga, Tenn.
Harman & Hassert, Bloomsburg, Pa.
Helmick Foundry & Machine Co., Fairmont, W. Va.
Hempfield Foundry, Greensburg, Pa.
Herzler & Henninger Machine Works, Belleville, Ill.
Hockensmith Wheel & Mine Car Co. ("Eureka" Roller Bearing, etc.), Penns Station, Pa.
Irwin Foundry & Mine Car Co. ("Eureka" Waste Packed), Irwin, Pa.
Kanawha Mfg. Co. (Wheels & Axles), Charleston, W. Va.
Kilby Car & Foundry Co., Anniston, Ala.
Lake Shore Engine Works ("Florida Improved"), Marquette, Mich.
Lansing Co., Lansing, Mich.
Litchfield Fdry. & Mach. Co., Litchfield, Ill.
Lobdell Car Wheel Co. ("Faught's"), Closed Hub, Self-Oiling Chilled Wheels), Wilmington, Del.
Louisville Car Wheel & Ry Supply Co., Louisville, Ky.
Love Mfg. Co. (Self-Oiling), Corry, Pa.
Mullins Body Corp., Dept. H, Salem, Ohio
National Malleable Castings Co., 7706 Platt av, S. E., Cleveland, O.
New York Car Wheel Co., 15 Forest av, Buffalo, N. Y.
Penn Foundry & Mfg. Co., Wyomissing, Reading, Pa.
Phillips Mine & Mill Supply Co., 2227 Jane, Pittsburgh, Pa.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Railway & Mine Supply Co., McCormick bldg, Chicago, Ill.
Ramapo Fdry. & Wheel Works, Ramapo, N. Y.
Reliance Steel Casting Co., 28th & Smallman, Pittsburgh, Pa.
Sanford-Day Iron Works ("Whitney" Roller Bearing), 612 Dale, Knoxville, Tenn.
South Fork Foundry & Machine Works, South Fork, Pa.
Southern Wheel Co., 7th & av F, Birmingham, Ala.
Star Mfg. Co., New Lexington, O.
Stine S. B., Osceola Mills, Pa.
South Side Fdry. & Mach. Wks., Charleston, W. Va.
Union Iron Works (Inc.), Spokane, Wash.
United Iron Works, Inc., Kansas City, Mo.
Watt Mining Car Wheel Co. (Self-Oiling & Roller Bearing), Barnesville, O.
Western Steel Car & Foundry Co., Farmers Bk. bldg, Pittsburgh, Pa.
Wilkes-Barre Iron Mfg. Co., Wilkes-Barre, Pa.

16794—Wheels (Pipe Cutter)

Barnes Tool Co. ("Saunders'" "Barnes" Genuine), 152 Brewery, New Haven, Conn.
Collmer Bros., South Bend, Ind.
CROWN DIE & TOOL CO. ("Crown" Patented Serrated), 2640 N Keeler av, Chicago, Ill.
Mark Mfg. Co., Evanston, Ill.
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
Walworth Mfg. Co., Boston, Mass.

16795—Wheels (Pressed Steel)

Buda Co., Harvey, Ill.
Chase L. C. & Co. ("Chase" for Children's & Baby Carriages), 89 Franklin, Boston, Mass.
Commercial Shearing & Stamping Co. (Furrow & Long), Youngstown, Ohio
Galesburg Coulter-Disc Co., Galesburg, Ill.
Indestructible Wheel Co. (For Motor Trucks & Passenger Cars, Single & Double Disc), Lebanon, Ind.
MOTOR WHEEL CORP. ("Disteel," "Tuarc," "Forsyth" Steel Disc), 701-735 E Saginaw, Lansing, Mich.
See adv index at end of book
Mudge & Co. (16 to 20), Railway Exchange bldg, Chicago, Ill.
Mullins Body Corp., Dept. H, Salem, Ohio
Nice Ball Bearing Co. (Truck), 30th & Nicetown, Philadelphia, Pa.
Strobl Mfg. Co., 134 W Lake, Chicago, Ill.

16796— Wheels (Propeller)

See also Ship Builders

American Manganese Bronze Co. (Bronze), 3501 Rhawn, Phila., Pa.
Auto Engine Works (For Boats), University & Griggs av, St. Paul, Minn.
Bay City Iron Co., Bay City, Mich.
Bethlehem Shipbuilding Corporation Ltd., Bethlehem, Pa.
Cahill W. S. Co., Key Highway & Webster, Baltimore, Md.
Camden Anchor-Rockland Machine Co. ("Knox"), Camden, Me.
Chester Steel Casting Co., Chester, Pa.
Columbian Bronze Corp. ("Columbian"), Freeport, L. I., N. Y.
Coolidge L. H. Co., 66 W Marion, Seattle, Wash.
Cramp Wm. & Sons Ship & Engine Building Co., Beach & Bell, Phila., Pa.
Detroit River Iron Works, 2665 E Atwater, Detroit, Mich.
Ferguson F. & Son, Hoboken, N. J.
Gibson & Kirk Co. (Brass for Launches, etc), 217 Key Highway, Baltimore, Md.
Great Lakes Engineering Works, Real Est. Exch. bldg, Detroit, Mich.
Hopedale Mfg. Co., Roper Dept., Milford, Mass.
Hyde Windlass Co. ("Gale"), Bath, Me.
Lacy Jas. J. Co., Block & Wills, Baltomore, Md.
Lake Shore Engine Works ("New Superior" Reversible), Marquette, Mich.
Laughlin Thos. Co. (Bronze), 135 Fore, Portland, Me.
See adv index at end of book
List E. J. Mfg. Co., Havana, Ill.
Lockwood Mfg. Co., 44 N Market, Boston, Mass.
McFarland Foundry & Machine ("Harthan"), Trenton, N. J.
Marine Hardware Co. ("Geyer" Reversible), Peabody, Mass.
Marine Hardware - Equipment Co. ("Acme" Manganese Bronze), South Portland, Me.
Montague Iron Wks. (From 3 to 10 ft. in Diameter), 189 W Madison, Chicago, Ill.
Moore Sam'l L. & Sons, Elizabeth, N. J.
Morris Machine Works, Baldwinsville, N. Y.
New London Marine & Iron Works, New London, Conn.
Oregon Brass Works, 73 N 2nd, Portland, Ore.
Penn Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.
Portland Co., Portland, Me.
Pusey & Jones Co. (Also Gearing Wheels), Wilmington, Del.
Reeves Paul S. & Co. ("Reeves" Tubal Manganese Bronze, also Brass, Bronze & Phosphor Bronze), 1415 Cathrine, Phila., Pa.
Sheriffs Mfg. Co., Milwaukee, Wis.
Sterling Engine Co. ("Sterling" Reversible Blade for Motor Boats), 1250 Niagara, Buffalo, N. Y.
Sullivan Jno. W. Co., 327 E 9th, New York
Thacher Propeller & Foundry Corp., Albany, N. Y.
Trout H. G. Co., Buffalo, N. Y.
Vanadium Metal Co., Vanadium bldg, Pittsburgh, Pa.

16796a— Wheels (Pulley)

Allis-Chalmers Mfg. Co. (Cast Iron), Milwaukee, Wis.
See adv index at end of book
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
PYOTT FOUNDRY CO., 330 N Sangamon st, Chicago, Ill.
See adv index at end of book

16797—Wheels (Racking Chain)

Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.

16798—Wheels (Radiator Valve Wood)

See also Wheels, Valve, Wood

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*
Holton Abbott Mfg. Co., 59 Goram, W Somerville, Mass.
Standard Turning Works, Cambridge, Mass.
Thayer Geo. A., Watson, Mass.

16799—Wheels (Ratchet Brake)

Baker John S. ("Beverly" Ratchet Clutch Vertical, for Vestibuled Street Cars), Beverley, Mass.
National Vulcanized Fibre Co. (Fibre), Beach & Maryland av, Wilmington, Del. *See adv index at end of book*
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
St. Louis Car Co., 3000 N B'way, St. Louis, Mo.
Western Steel Car & Foundry Co., Farmers Bk. bldg, Pittsburgh, Pa.

16800— Wheels (Reducing)

See also Indicators; also Planimeters

Bushnell John S. & Co. ("Ideal"), 146 Liberty, New York

Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
Manning Maxwell & Moore Inc. (Ashcroft Mfg. Co. Div.) (For Steam & Gas Engine Indicators), 119 W 40th, New York *See adv index at end of book*
Robertson Jas. L. & Son ("The Victor"), 78 Murray, New York
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.
Trill Indicator Co. ("Faultless"), Corry, Pa.

16801—Wheels (Roller Bearing)

Bonney-Floyd Co. (Special Alloy Steel for Mine & Industrial Cars, Self-Lubricating), Columbus, O.
Easton Car & Construction Co., 36 Holley, Easton, Pa.
Gustafson Mfg. Co., 211 W 26th, Chattanooga, Tenn.
Railway & Mine Supply Co., McCormick bldg, Chicago, Ill.
Sanford-Day Iron Works, 613 Dale, Knoxville, Tenn.
United Iron Wks., Kansas City, Mo.

16802—Wheels (Roller Skate)

Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
See adv index at end of book
Boston Pressed Metal Co. (To Order Only), 170 Union, Worcester, Mass.
Continental Fibre Co. (Vulcanized Fibre), Newark, Del.
DELAWARE HARD FIBRE CO. (Fibre), Wilmington, Del. Works: Marshallton, Del.
See adv index at end of book
Diamond State Fibre Co. (Fibre), Dept. 37, Bridgeport, Pa.
See adv index at end of book
ESTES E. B. & SONS (Wooden), 364 5th av, New York *See adv index at end of book*
National Vulcanized Fibre Co., Beach & Maryland av, Wilmington, Del.
See adv index at end of book
SPAULDING FIBRE COMPANY, INC. (Hard Fibre), Tonawanda, N. Y.
See adv index at end of book
Union Hardware Co., Torrington, Conn.
Worcester Pressed Steel Co., Barber av, Worcester, Mass.
See adv index at end of book

16803— Wheels (Rope)

Allis-Chalmers Mfg. Co. (Rope Transmission), Milwaukee, Wis.
See adv index at end of book
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
LINK-BELT COMPANY, 300 W Pershing rd, Chicago
See adv index at end of book
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
See adv index at end of book
Wood's T. B. Sons Co., Chambersburg, Pa.

16804—Wheels (Rubber Tired)

Clark Geo. P. Co. (Trucks & Furniture), Windsor Locks, Conn.
COLSON CO. (THE) ("Colson" for Beds, Trucks, etc.), Dept. H, Elyria, Ohio
See adv index at end of book
Eames Co., 920 Howard, San Francisco, Cal.
Fairbairns & Finley, Inc. (Caster), 56 Auburn av, Utica, N. Y.
Lansing Co. (Truck), Lansing, Mich.
Meeker Mfg. Co., Dayton, O.

16805— Wheels (Self-Oiling)

(For Mine & Other Light Cars)
American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept. H, 14th & State, Chicago Heights, Ill.
American Scale Co., 517 Delaware, Kansas City, Mo.
Atlas Car & Mfg. Co., Cleveland, O.
See adv index at end of book
Bonney-Floyd Co. (Special Alloy Steel for Mine & Industrial Cars, All Types), Columbus, O.
Chrome Steel Works (Mine Car, Canada Patent), Chrome, N. J.
Denver Engineering Works Co., Denver, Col.
Duncan Foundry & Machine Works (Chilled), Alton, Ill.
Easton Car & Construction Co., 36 Holley, Easton, Pa.
Fairmont Mining Machinery Co. (Mine Car), Fairmont, W. Va.
Gustafson Mfg. Co. (For Mine Cars), 211 W 26th, Chattanooga, Tenn.
Hanson Clutch & Machy. Co., Tiffin, Ohio.
Helmick Foundry & Machine Co. (Chilled), Fairmont, W. Va.
Kilbourne & Jacobs Mfg. Co., Columbus, Ohio
Lake Shore Engine Works ("Flodin"), Marquette, Mich.
Lansing Co., Lansing, Mich.
Link-Belt Company (For Carriers), 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Lobdell Car Wheel Co. ("Faught's" Closed Hub), Wilmington, Del.
Ottumwa Box Car Loader Co. (Mine Car), Ottumwa, Ia.
Phillip's Mine Supply Co., 2327 Jane, Pittsburgh, Pa.
Sanford-Day Iron Works, 613 Dale, Knoxville, Tenn.
Southern Wheel Co., Railway Exch. bldg, St. Louis, Mo.
Stine S. B., Osceola Mills, Pa.
Truax Mfg. Co., Denver, Col.
Union Iron Works, Spokane, Wash.
United Iron Works, Inc., Kansas City, Mo.
Watt Mining Car Wheel Co. (Mine Car), Barnesville, O.

16806—Wheels (Solid Forged & Rolled Steel)

Standard Steel Works Co., Morris bldg, Phila., Pa.

16807—Wheels (Solid Rubber)

Home Rubber Co. (Brewers', etc), Trenton, N. J.

16808— Wheels (Spinning)

Pierce F. B. Co., Keene, N. H.

16809— Wheels (Sprocket)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
See adv index at end of book
American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept. H, 14th & State, Chicago Heights, Ill.
Babbitt Steam Specialty Co. ("Babbitt" Adjustable Rim & Chain Guide), 57H S Water, New Bedford, Mass.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Baldwin Chain & Mfg. Co., 199 Chandler, Worcester, Mass.
Barnard & Leas Mfg. Co., 403 20th, Moline, Ill.
Blount Engineering Co., 100 High, Boston, Mass.
Brinkley Co., 651 Alaska, Seattle, Wash.
Brown A. & F. Co., 79 Barclay, New York
Bullock Chas. K., 1357 Ridge av, Phila., Pa.
CALDWELL & SON CO. H. W., 1700 S Western av, Chicago
Caldwell W. E. Co., Louisville, Ky.
Chain Belt Co., Milwaukee, Wis.
See adv index at end of book
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Chisholme-Moore Mfg. Co. (Chain), 5040 Lakeside, Cleveland, O.
Christiana Mach. Co., Dept. H, Christiana, Pa.
Cresson-Morris Co., Allegheny & 18th, Phila., Pa.
Crofoot Gear Works, Cambridge, Mass.
Cullman Wheel Co., 1346 Altgeld, Chicago, Ill.
Diamond Chain & Mfg. Co., 502 Kentucky av, Indianapolis, Ind.
See adv index at end of book
Diamond Iron Works (For Saw Mills, etc), 2nd & 18th av N, Minneapolis, Minn.
Dundore Mfg. Co., 224 Orange, Reading, Pa.
Farnum Mfg. Co., 39 Indiana, Buffalo, N. Y.
Filer & Stowell Co., Milwaukee, Wis.
FOOTE BROS. GEAR & MACHINE CO., 217 N Curtis, Chicago, Ill.
See adv index at end of book
FOOTE GEAR WORKS (Plain or Hub), 430 N Oakley av, Chicago
See adv index at end of book
Garland M. Co., Bay City, Mich.
Great Western Mfg. Co., Leavenworth, Kan.
Hill Clutch Machine & Foundry Co., W 65th st, Cleveland, O.
HOWE CHAIN CO., Muskegon, Mich.
JAMES D. O. MFG. CO. (Plain or Hub), 1114-20 W Monroe, Chicago, Ill.
See adv index at end of book
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
JONES W. A. FOUNDRY & MACHINE CO. (For Chain Drives, Gearing), 4442 W Roosevelt rd, Chicago, Ill.
See adv index at end of book
LINK-BELT COMPANY ("Flint-Rim"), 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Mass. Gear & Tool Co., 30 Nashua, Woburn, Mass.
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.
Medart Co., 3500 De Kalb, St. Louis, Mo.
See adv index at end of book
Meisel Press Mfg. Co., 942 Dorchester av, Boston, Mass.
Michigan Sprockett Chain Co., Delray, Detroit, Mich.
Montgomery Coal Washing & Mfg. Co., Birmingham, Ala.
Moline Malleable Iron Co., St. Charles, Ill.
Muncie Gear Works, Muncie, Ind.
New England Pressed Steel Co., Natick, Mass.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.
Parish & Bingham Co. (Motorcycle), Madison av & W 106th, Cleveland, O.
Philadelphia Gear Works, East Vine, Phila., Pa.
Portland Iron Works, 14th & Northrup, Portland, Ore.
Pyott Co., 1401 W North av, Chicago, Ill.
Pyott Foundry Co., 330 N Sangamon, Chicago, Ill.
See adv index at end of book
Rathbone A. B. & J., Palmer, Mass.
Sier-Bath Co., 143 W 54th, New York
Standard Sand & Machine Co., 5150 St. Clair av, Cleveland, O.
Stephens-Adamson Mfg. Co., Aurora, Ill.
Turner **Foundry & Machine Co., 3632 N** Lawrence, Phila., Pa.
Turner Machine Co., 75 Fulton, N. Y.
Union Chain & Mfg. Co., Sandusky, Ohio
Union Malleable Iron Co., East Moline, Ill.
United Iron Works, Inc., Kansas City, Mo.
WEBSTER MFG. CO., 4500-60 Courtland, Chicago, Ill.
See adv index at end of book
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.

16810-1—Wheels (Steel Tired Car)

French & Hecht, 4th & Farnam, Davenport, Iowa
Lobdell Car Wheel Co., Wilmington, Del.
Midvale Steel & Ordnance Co., Widener bldg, Phila., Pa.
Prosser Thos. & Son (the Krupp), 15 Gold, New York
Railway Steel Spring Co., 30 Church, New York
Sanford-Day Iron Works, 612 Dale, Knoxville, Tenn.
Standard Steel Works Co. (Car & Locomotive), Morris bldg, Phila., Pa.
Taylor Electric Truck Co. ("Taylor"), Troy, N. Y.

16812—*Wheels (Steel Vehicle)

See also Wheels, Metal
Electric Wheel Co., Station D, Quincy, Ill.
See adv index at end of book

16813— Wheels (Toy Cart)

BOGERT & HOPPER, INC., 57 Barclay, New York *See adv index at end of book*
Drewry Bros., North Weare, N. H.
Estes E. B. & Sons (Wood), 364 5th av, New York. *See adv index at end of book*
Pacific Toy & Device Mfg. Co., 227 San Bruno av, San Francisco, Cal.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Winkler Mfg. Co. (Wood, All Sizes), 29 Hydraulic av, South Bend, Ind.

16814— Wheels (Tracing)

Bullock Mfg. Associates, Springfield, Mass.
Cassady, Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Lowentrant P. Mfg. Co., 36 Brenner, Newark, N. J.
Osborne C S. & Co., Box 183, Newark, N. J. *See adv index at end of book*
Weber Co. F., 1220 Buttonwood, Philadelphia, Pa.

16815— Wheels (Traction)

Andrews Heating Co., Minneapolis, Minn.
CALDWELL & SON. CO. H. W., 1700 S Western av, Chicago
ELECTRIC WHEEL CO. (Engine), Station D, Quincy, Ill.
See adv index at end of book
Geneva Metal Wheel Co., Geneva, O.
Howe Chain Co., Dept. H, Muskegon, Mich.
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

16815a— Wheels (Tractor)

French & Hecht, 4th & Farnam, Davenport, Iowa
Geneva Metal Wheel Co., Geneva, O.
Grid-Iron Grip Wheel Co., Toledo, Ohio
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
See adv index at end of book
LITTLE J. R. METAL WHEEL CO., Quincy, Ill.
See adv index at end of book
Mansfield Steel Corp., 288 E Milwaukee av, Detroit, Mich.
Wharton Wm. Jr. Co. Inc., Easton, Pa.

16816—Wheels (Traveling Crane)

American Manganese Steel Co. ("Amsco" Brand Manganese Steel), Dept. H, 14th & State, Chicago Heights, Ill.
Lobdell Car Wheel Co. (Chilled Double Flange), Wilmington, Del.
New York Car Wheel Co., Buffalo, N. Y.

16817— Wheels (Trolley)

American Brass Co., Waterbury, Conn.
American Safety Lamp & Mine Supply Co., 1327 Capouse av, Scranton, Pa.

(Continued on following page)

Wheels (Trolley)—Continued

Anderson Albert & J. M. Mfg. Co. ("West End," Made of Special Metal), 289 A, Boston, Mass.
Atlas Brass Foundry Co., 1901 Santa Fe av, Los Angeles, Cal.
Bayonet-Trolley-Harp Co. ("Bayonet," Pure Copper, Self - Lubricating), Springfield, O.
Benedict & Burnham Branch ("Franklin"), Waterbury, Conn.
Brady Brass Co. ("Cyprus"), 170 14th, Jersey City, N. J.
Buckeye Iron & Brass Works (Bronze), Dayton, O.
California Steel Wheel Corp. ("Dual Pneumatic"), 734 E 12th, Los Angeles, Cal.
Central Metal Products Corp., Canton, O.
Columbia Machine Works & Malleable Iron Co. (All Sizes to Specifications), Atlantic av & Chestnut, Brooklyn, N. Y.
Columbia Machine Wks & Malleable Iron Co. (All Sizes to Specifications), Atlantic av & Chestnut, Brooklyn, N. Y.
Edna Brass Mfg. Co., Cincinnati, O.
Electric Materials Co., North East, Pa.
Electrical Material Co. ("Urban," "Interurban"), 618 W Jackson blvd, Chicago
Electric Ry. Equipment Co., Cincinnati, O.
Eureka Co. (Bronze), North East, Pa.
Graham Jas. & Co., New Haven, Conn.
Hensley Trolley & Mfg. Co., 1258 Holden av, Detroit, Mich.
Hercules Metal Works (Bronze), Catasauqua, Pa.
Hodgkins J. F. Co., Gardner, Me.
Holden & White, 80 E Jackson, Chicago, Ill.
Holland Trolley Supply Co., 1623 E 43d, Cleveland, O.
Ives H. B. Co. ("New Haven"), New Haven, Conn.
Janney & Co. (Straight & Flanged), Montgomery, Ala.
Louisville Car Wheel & Ry. Supply Co., Louisville, Ky.
Lovell F. H. & Co., Arlington, N. J.
Magnus Co., 111 B'way, New York
More-Jones Brass & Metal Co. (Lubricated Oilless), B'way & Dock, St. Louis, Mo.
National Brass Mfg. Co. (Also "Standard" Sleet Wheels), Rochester, N. Y.
Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.
Ohio Brass Co. The (For Mine Only), Mansfield, Ohio
Sackett Mine Supply Co., 164 N 3d, Columbus, O.
Star Brass Works ("Kalamazoo," Pure Copper), Kalamazoo, Mich.
Universal Trolley Wheel Co., Northampton, Mass.
Wesco Supply Co. ("Wesco," Pure Copper), 7th & Clark av, St. Louis, Mo.

16817a— Wheels (Truck)

Bethlehem Steel Co., Bethlehem, Pa.
COLSON CO. (THE) (Small, Rubber Tired), Dept. H, Elyria, Ohio
See adv index at end of book
Dayton Steel Foundry Co., Dayton, Ohio.
Delaware Hard Fibre Co. (Hand, Fibre, "Egyptian"), Wilmington, Del.
See adv index at end of book
Detroit Pressed Steel Co. ("Disteel"), 6660 Mt. Elliott, Detroit, Mich.
Divine Bros. Co. (Steel), Utica, N. Y.
French & Hecht, 4th & Farnam, Davenport, Iowa
Geneva Metal Wheel Co., Geneva, O.
Heller P. A. & Sons, 213 State, Detroit, Mich.
Kelly Derby Co. (All Sizes), 321 N Crawford, Chicago, Ill.
Louisville Car & Wheel & Ry. Supply Co., Louisville, Ky.
Morris Truck & Wheel Co., Inc. ("Morris"), 760 S 42nd, Phila., Pa.
MOTOR WHEEL CORP. (Wood, "Disteel"), 701-735 E Saginaw, Lansing, Mich. *See adv index at end of book*
Mullins Body Corp., Dept. H, Salem, Ohio
Nice Ball Bearing Co., 30th & Nicetown, Philadelphia, Pa.
PYOTT FOUNDRY CO., 330 N Sangamon, Chicago, Ill.
See adv index at end of book
Standard Scale & Supply Co. Ltd. (Wagon, etc.), 1631 Liberty av, Pittsburgh, Pa.
Sterling Wheelbarrow Co. ("Sterling" Steel), Milwaukee, Wis.
See adv index at end of book
Stevens A. E. & Co., 15 Union, Portland, Me.
Victor Truck Co. ("Victor"), Johnsonburg, Pa.
Wharton Wm. Jr. & Co. Inc. (Cast Steel), Easton, Pa.

16818—Wheels (Valve, Metal)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Crane Co. (For Brass Valves), 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Forg Peter Mfg. Co. (Pressed Steel), 50 Park, Somerville, Mass.
Hodge & Stone, Middletown, Conn.
Jenkins Bros. (Brass, Iron, Wood & Wire), 80 White, New York
See adv index at end of book
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Powell Wm. Co. (Bronze & Iron), 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Walworth Mfg. Co., Boston, Mass.

16819—Wheels (Valve Wire)

Lynd L. E. Mfg. Co. ("Zero"), Mechanicsville, N. Y.
Sawyer Tool Mfg. Co. ("Prouty"), Ashburnham, Mass.

16820—Wheels (Valve, Wood)

See also Wheels, Radiator Valve
Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Holton Abbott Mfg. Co. ("Kantsplit"), 59 Goram, W Somerville, Mass.
Holton-Abbott Mfg. Co. ("Kantsplit," Wood Metal Unitized), 59 Goram, West Somerville, Mass.
Piqua Handle & Mfg. Co., P. O. Box 307, Piqua, O.
South Bend Dowel Co. (Wood, Log), S Lafayette, South Bend, Ind.
See adv index at end of book
Standard Turning Works, Cambridge, Mass.
STILES H. A. & CO. (Wood), 166-174 Portland, Boston, Mass.
See adv index at end of book

16821— Wheels (Well)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Channon Jas. H. Mfg. Co. (Cast Iron), 227 W Erie, Chicago, Ill.
Colebrookdale Iron Co. (Or Gin Wheels), Pottstown, Pa.
Laughlin Thos. Co. (Anti-Friction), 135 Fore, Portland, Me.
See adv index at end of book
New London Vise Works (Roller Bushed), New London, Conn.
Sargent & Co., New Haven, Conn.
Susquehanna Casting Co., Wrightsville, Pa.
Weller Hdw. & Fdry. Co., Horseheads, N. Y.
Wilcox, Crittenden & Co., Inc., Middletown, Conn. *See adv index at end of book*
Wrightsville Hardware Co., Wrightsville, Pa.

16822— Wheels (Wire)

Barker Bros., Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
Bridgeport Engineering Co. ("Dunlap" Automobile), Stratford, Conn.
Budd Wheel Corp. (Automobile), Lehigh av & 22nd, Phila., Pa.
Dayton Wire Wheel Co. (Ford & Chevrolette), Dayton, O.
Kelly Automobile Co., 4560 W Congress, Chicago, Ill.
Lee & Porter (With Channel Irons for Cushion Rubber Tires), Buchanan, Mich.
Maryland Metal Products Co., Hagerstown, Md.
Mott Wheel Works, Jackson, Mich.
National Wire Wheel Works (For Automobiles & Aeroplanes), Geneva, N. Y.
Phelps Mfg. Co., Columbus, O.
Rastetter Louis Sons, Fort Wayne, Ind.
Reed & Curtis Machine Screw Co., Duncan av, Worcester, Mass.
Standard Steel & Bearings Inc. ("Rudge Whitworth"), 50th & Lancaster av, Phila., Pa.
Universal Welding Co., St. Anne, Ill.
Weston-Mott Co. (Steel Rims), Flint, Mich.

16823—Wheels (Wire Spoke)

Gendron Wheel Co., Toledo, O.
Toledo Metal Wheel Co., Toledo, O.

16824—Wheels & Axles (Ball or Roller Bearing)

Archibald Wheel Co., Lawrence, Mass.
Atlas Car & Mfg. Co., Cleveland, O.
See adv index at end of book
Bonney-Floyd Co. (Special Alloy Steel, Roller Bearing, Self - Lubricating), Columbus, O.
Buda Co., Harvey, Ill.
Burgess & Norton Mfg. Co. ("Gazelle" Ball Bearing Vehicle Axles), Geneva, Ill.
Colson Co. (The), (Ball Bearings, Light, Medium & Heavy, 2" to 10"), Elyria, O.
See adv index at end of book
Concord Axle Co. ("Brown's" Roller Bearing), Penacook, N. H.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Duncan Foundry & Machine Works (Roller Oiled), Alton, Ill.
Easton Car & Construction Co. (Ball or Roller Bearings, Plain Roller Bearings), 36 Holley, Easton, Pa.
Evans & Coppins Co. (Ball), Princeton, Ill.
Gustafson Mfg. Co., Chattanooga, Tenn.
Hutchinson Jno. Mfg. Co. (Roller Bearings), Jackson, Mich.
Lee & Porter Mfg. Co. ("Porter" Vehicle), Buchanan, Mich.
Sheldon Axle & Spring Co. (Ball Bearing & Roller Bearing Motor Trucks Axles), Wilkes-Barre, Pa.
Southern Wheel Co., Railway Exchange bldg, St. Louis, Mo.
United Iron Works, Inc., Kansas City, Mo.
Weston-Mott Co. (Automobile, etc), Flint, Mich.

16825-6— Whetstones

Bracner Co., Belleville, N. J.
Pike Mfg. Co., Pike, N. H.
Scranton Whetstone & Abrasive Wheel Co. (Ideal"), Scranton, Pa.
Structural Stone Co., Hubbard, Ohio

16827— Whip Mfrs.

American Whip Co., Westfield, Mass.
Austin-Warren Co., Westfield, Mass.
Bardall J. C. Co. (Leather, Carriage, Drove, Shot Loaded, etc), Moundsville, W. Va.
Binghamton Whip Co., Binghamton, N. Y.
Buchheimer Geo. H. (Dog), 508H S Ann, Baltimore, Md.
Cargill-Cleveland & Co., Westfield, Mass.
Cook & Parker, Westfield, Mass.
Cowles-Horan Whip Co., Westfield, Mass.
Diamond Whip Co. ("Tip Top" Leather, Express, Dog & Team), 406 N Curtis, Chicago, Ill.
Featherbone Whip Co. ("Anti-Whalebone," "Featherbone" & Rubber - Bone"), Westfield, Mass.
Horse Whip Co., Westfield, Mass.
Independent Whip Co., Westfield, Mass.
Kentucky Whip & Collar Co., Eddyville, Ky.
Standard Whip Co., Westfield, Mass.
Steimer & Moore Whip Co., Westfield, Mass.
Tipp Whip Co., Tippecanoe City, O.
Underwood Whip Co., Westfield, Mass.
U. S. Whip Co., Westfield, Mass.
Van Deusen H. M. Whip Co., Westfield, Mass.
Ware Arthur W. & Co., 12 E 18th, New York

16828— Whip Stocks

Bardall J. C. Co. (Hickory), Moundsville, W. Va.
Binghamton Whip Co., Binghamton, N. Y.
Bogert & Hopper, Inc., 57 Barclay, New York.
See adv index at end of book
Chicago Rawhide Mfg. Co., The, 1307 Elston av, Chicago
See adv index at end of book
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book

16828a—Whistle Control (S. S.)

McNab Co. ("Willett-Bruce" Automatic), Bridgeport, Conn.

16828b— Whistle Pulls

Bethlehem Shipbuilding Corp. Ltd., Dept. H, Broadhead & Parker av, Bethlehem, Pa.
McNab Co. ("McNab"), Bridgeport, Conn.

16829— Whistles (Air)

American Strombos Co. Inc., 3H S 18th, Phila., Pa.
Belknap Mfg. Co., 800 Union av, Bridgeport, Conn.
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, O. *See adv index at end of book*
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Gamewell Fire Alarm Telegraph Co. (Compressed), Newton Upper Falls, Mass.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Loper Fire Alarm Co. (Compressed Air Fire), Stonington, Conn.
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Ohio Brass Co., Mansfield, O.
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.
Union Water Meter Co., 33 Hermon, Worcester, Mass.
Westinghouse Traction Brake Co., Pittsburgh, Pa.
Wilcox, Crittenden & Co. Inc. ("Autochime," "Ereful" for Motor Boat, "Holman"), 444 S Main, Middletown, Conn. *See adv index at end of book*

16830—Whistles (Automobile & Motor Boat)

See also Horns, Automobile; also Horns, Fog
American Strombos Co. Inc. (Marine), 3H S 18th, Phila., Pa.
Buckeye Iron & Brass Works (Fire Apparatus Exhaust), 322 E 3rd, Dayton, Ohio *See adv index at end of book*
Durkee Chas. D. & Co. (Motor Boat), 2 South, New York
Edmonds & Jones Corp. (Motor Boat), 436 Lawton, Detroit, Mich.

Folsom H. & D. Arms Co., 314 B'way, New York
Jackson Foundry & Machine Co. (Large & Long Bell), Paducah, Ky.
LUNKENHEIMER CO. (Motor Boat), **Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.**
See adv index at end of book
National Marine Lamp Co., Forestville, Conn.
Sibley Pitman Electrical Corp. ("Tritone"), 190 6th av, New York
Stiles Mfg. Co. ("Stiles"), 125 E Quincy, St. Louis, Mo.
Wilcox, Crittenden & Co., Inc. ("Autochime," "Ereful" Motor Boat), Middletown, Conn.
See adv index at end of book

16831— Whistles (Chime)

Am. Schaeffer & Budenberg Corp., 'Berry & S. 5th, Brooklyn, N. Y.
See adv index at end of book
Belknap Mfg. Co., 800 Union av, Bridgeport, Conn.
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, O. *See adv index at end of book*
Crane Co., 836 S Michigan av., Chicago, Ill.
See adv index at end of book
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Lonergan J. E. Co. (Single & Three Bell, etc), 211 Race, Phila., Pa.
LUNKENHEIMER CO. ("Tritone," Single Bell, Three Whistles, etc.), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
See adv index at end of book
McNab & Harlin Mfg. Co., Paterson, N. J.
MANNING MAXWELL & MOORE INC. (Single Bell) (Hancock Inspirator Co. Div.), 100 E 42nd, New York
See adv index at end of book
Nathan Mfg. Co. (For Passenger Engines, 21 E 40th, New York
Powell Wm. Co. (Single Bell, Three Whistles, etc.), 2525 Spring Grove av, Cincinnati, O. *See adv index at end of book*
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.
Western Brass Mfg. Wks. ("Husk" Exhaust Chimes for Autos & Tractors), Marshall blvd. & 21st, Chicago, Ill.
Wilcox, Crittenden & Co. Inc. ("Autochime," Air), 444 S Main, Middletown, Conn. *See adv index at end of book*

16832—Whistles (Conductors' & Starters')

Riley-Klotz Mfg. Co. ("Alpha" Police, Starters, etc.), 17 Mulberry, Newark, N. J.

16833—*Whistles (Electrically Operated)

FEDERAL ELECTRIC CO. (Sirens), 8702 S State, Chicago, Ill.
See adv index at end of book
Lovsted C. M. & Co., 2214 1st av, Seattle, Wash.
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
See adv index at end of book

16834—Whistles for Fog, Factory & Fire Signals

American Strombos Co. Inc., 3H S 18th, Phila., Pa.
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, O. *See adv index at end of book*
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
FEDERAL ELECTRIC CO. (Electric Sirens), 8702 S State, Chicago, Ill.
See adv index at end of book
Lovsted C. M. & Co., 2214 1st av, Seattle, Wash.
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
See adv index at end of book
Safety Fire Extinguisher Co., 295 7th av, New York
Star Brass Mfg. Co. ("Safety"), 53 Oliver, Boston, Mass.

16835-6—*Whistles (Low Pressure)

LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
See adv index at end of book

16837—Whistles (Speaking Tube)

American Safety Lamp & Mine Supply Co. (Slide for Mines, etc.), 1327 Capouse av, Scranton, Pa.
Everhart Brass Works (Heavy for Miners, etc), Scranton, Pa.
Ostrander W. R. & Co., 371 B'way, New York
Standard Elec. Manfg. Co. (Brass), 925 Wrightwood av, Chicago, Ill.

16838— Whistles (Steam)

American Safety Lamp & Mine Supply Co., 1327 Capouse av, Scranton, Pa.
Am. Schaeffer & Budenberg Corp. (Locomotive), Berry & S 5th, Brooklyn, N. Y. *See adv index at end of book*
Ashton Valve Co., 161 1st, Cambridge, Mass.
Belknap Mfg. Co., 800 Union av, Bridgeport, Conn.
Benson Elect. Co., Superior, Wis.
Buckeye Iron & Brass Works, 322 E 3rd, Dayton, O. *See adv index at end of book*
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
Detroit Shipbuilding Co. (Brass Dept.), Ft. Orleans, Detroit, Mich.
Edna Brass Mfg. Co., Cincinnati, O.
Gamewell Fire Alarm Telegraph Co., Newton Upper Falls, Mass.
Garratt W. T. & Co., 299 Fremont, San Francisco, Cal.
Kelly & Jones Co. The, Greensburg, Pa.
See adv index at end of book
Lonergan J. E. Co., 211 Race, Phila., Pa.
Lovsted C. M. Co. ("Toots-E" Electric), 2214 1st av, Seattle, Wash.
LUNKENHEIMER CO. ("Mockingbird"), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
See adv index at end of book
McNab & Harlin Mfg. Co., Paterson, N. J.
Nason Mfg. Co., 71 Fulton, New York
See adv index at end of book
Nathan Mfg. Co. (Single & Plain Bell & Chime, for Passenger Locomotives, 21 E 40th, New York
Pittsburgh Brass Mfg. Co., Penn & 32nd, Pittsburgh, Pa.
Powell Wm. Co. ("Powell"), 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Signal & Control Co., 139 Charles, New York
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.
Swift Lubricator Co., Elmira, N. Y.
Union Water Meter Co. ("Worcester" Steam Gong), 33 Hermon, Worcester, Mass.
Walsh & Weidner Boiler Co., W Main & Ash, Chattanooga, Tenn.
Walworth Mfg. Co., Boston, Mass.

16838a— 'Whistles (Toy)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons (Wood), 364 5th av, New York. *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book

16838b— White Enameling

Metal Crafters, E. Stroudsburg, Pa.

16839—White Metal (Rolled Sheet)

AMERICAN BRASS CO., Waterbury, Conn.
For branch offices see adv. section at end of book
Riverside Metal Co., Riverside, N. J.
Seymour Mfg. Co. (A Nickel Alloy Similar to German Silver), Seymour, Conn.

16840—White & Red Lead Mfrs.

Acme Whitelead & Color Wks., 3250 St. Aubin, Detroit, Mich.
Burgess Fobes & Co. (White Seal), **106 Commercial, Portland, Me.**
Cambria Paint & Color Co. (Ltd.), (White Seal), Johnstown, Pa.
Carter White Lead Co., 13042 Peoria, Chicago, Ill.
Chadwick-Boston Lead Co. ("Forest River," "Boston Star," Dry & in Oil), Boston, Mass.
Chicago White Lead & Oil Co. (White Lead), 1454 S Western av, Chicago, Ill.
Continental Products Co. (Liquid & Semi-Paste Red), Quebec av, Cleveland, O.
Davis, H. B. Co., Bayard & Severn, Baltimore, Md.
Detroit White Lead Works, 560 E Milwaukee, Detroit, Mich.
Eagle Paint & Varnish Mfg. Co., 225 Galveston, Pittsburgh, Pa.
Eagle Picher Lead Co. ("Eagle," "Picher Sublimed" White in Oil, "Picher" Red), **208 S La Salle, Chicago, Ill.**
Euston Process Co. (Pure White), **500 Pennsylvania av, Scranton, Pa.**
French Samuel H. & Co. (Dealers & Grinders), **4th & Callowhill, Phila., Pa.**
Fuller W. P. & Co. ("Pioneer"), 301 Mission, San Francisco, Cal.
Hammar Bros. White Lead Co. (White Lead Only), **East St. Louis, Ill.**
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Hazard Lead Works, Hazardville, Conn.
Inland White Lead Co., 741 Boston av, Chicago, Ill.
Lawrence W. W. & Co. ("Lawrence" Strictly Pure Lead & Zinc, Combination Radium & Combination "White Star"), W Carson, Pittsburgh, Pa.
Lead Products Co. (Red Only), **3215 Papin, St. Louis, Mo.**
Lewis John T. & Bros. Co., Lafayette bldg, Phila., Pa.
Matheson Lead Co., 569 Vernon av, Long Island City, N. Y.
Metals Extraction Corp., 5501 Boyle av, Huntington Park, Los Angeles, Cal.
National Lead Co. ("Dutch Boy"), 111 B'way, New York
National Lead & Oil Co. (Of Pennsylvania), Commonwealth bldg, Pittsburgh, Pa.
Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.
Pacific Oil & Lead Works, 155 Townsend, San Francisco, Cal.
Patton Paint Co., Milwaukee, Wis.
Pflugh A. & Co., Hoboken, N. J.
Shoemaker Robert & Co. ("Imperial" White Lead), 4th & Race, Phila., Pa.
Smith J. Lee & Co. (Imp), 19 Jacob, New York
United Lead Co., 111 B'way, New York
Waterall Wm. & Co. ("Missouri" & "Blue Seal," White & "Luteco," "Watco" Red), Camden, N. J.
Wetherill & Bro., 126 S 30th, Phila., Pa.

16840a—Whites (Rubbermakers')

DU PONT E. I. DE NEMOURS & CO., INC. (Lithopone, Pigments & Heavy Chemicals Div.), **3500 Grays Ferry rd, Phila., Pa.** *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book

16841— Whiting (Gilders')

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
National Pigments & Chemical Co., 1 Sidney, St. Louis, Mo.
Reichard-Coulston Co. (Imp. English Cliffstone, Paris White), **303 5th av, New York**
Taintor H. F. Mfg. Co. ("Taintor's" Air Dry), **2 Rector, New York**
Waterbury Button Corp., 831 So. Main, Waterbury, Conn.
See adv index at end of book

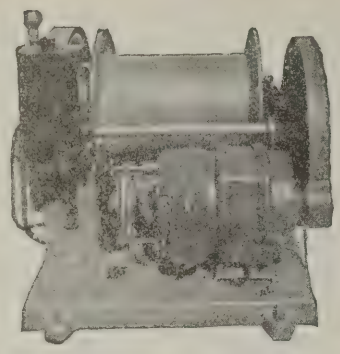
16842—Whiting & Paris White Mfrs.

Acme Whitelead & Color Wks., 3250 St. Aubin, Detroit, Mich.
Bradford Jas. Co., Wilmington, Del.
Chrystal Chas. B. Co. Inc. (Imp.), **13 Cliff, New York**
See adv index at end of book
Columbia Products Co. (Whiting), **Garfield bldg., Cleveland, O.**
Drakenfeld B. F. & Co., Inc. (Cliffstone, Imp.), **50 Murray, New York**
Dunham Thos. C., 68 Murray, New York
Fergusson Alex C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
FOX M. EWING CO. (In Bulk or Package), **241 E 136th, New York**
Grote Geo. W. & Co., 420 E 102d, New York, & East St. Louis, Ill.
Hammill & Gillespie, 240 Front, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio
See adv index at end of book
Higginson Mfg. Co., Newburgh, N. Y.
INDUSTRIAL CHEMICAL CO. ("Alba" Whiting), **1414 Fifth Av bldg, New York**
See adv index at end of book
Knappmann Wm. & Co., 1105 Metropolitan av, Brooklyn, N. Y.
Nevins Sam'l Co., 143 N 4th, Phila., Pa.
Oxidite Mfg. Co., Arlington Mass.
Philadelphia Whiting Works, 2609 E York, Phila., Pa.
Product Sales Co., Equitable bldg, Baltimore, Md.
Salomon L. A. & Bros., 216 Pearl, New York
Southwark Mfg. Co., Camden, N. J.
Stauffer Chemical Co., 624 California, San Francisco, Cal.
Stickney, Tirrell & Co., 10 Milk, Boston, Mass.
Taintor H. F. Mfg. Co. (Commercial & **Gilders' Whiting, "Westminster" & "Victoria" Paris White), 2 Rector, New York**
Vanderbilt R. T. Co. ("Quaker," "Plymouth" Whiting), **52 E 42nd, New York**
Wagner Chas. A. Co., Inc. (Whiting), **810 Noble, Philadelphia, Pa.**
Wetherill Geo. D. & Co., 113 Arch, Philadelphia, Pa.
Whittaker, Clark & Daniels, Inc. (Dirs.), 250 Front, New York
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y. *See adv index at end of book*

16842a—Wick (Asbestos & Cotton)

American Insulation Co., Nicetown, Phila., Pa. *See adv index at end of book*
Asbestos Materials Corp., Millington, N. J.
Asbestos Textile Co., 18 E. 41st, New York
California Cotton Mills Co., Oakland, Cal.
Darcoid Company, 1780 Broadway, New York *See adv index at end of book*
General Asbestos & Rubber Co., Charleston, S. C.

(Continued on following page)



WINCHES

ALL TYPES OF ELECTRIC

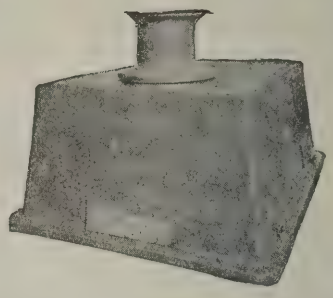
also

Electric Cranes

and

Hand Cranes

Hoists, Derrick Hoists and Speed Reducers



HOIST & CRANE ENGINEERING CO.

Engineering Building, Liberty Street - NEW YORK CITY

Wick (Asbestos & Cotton)—Cont.

Hooper Wm. E. & Sons, 3502 Parkdale av, Baltimore, Md.
Keasbey & Mattison Co. ("Kaynum"), Ambler, Pa.
Mikesell Bros., Co., Wabash, Ind.
See adv index at end of book
Multibestos Co., Walpole, Mass.
Rochester Woven Belting Corp., East Rochester, N. Y.
U. S. Asbestos Co., 45H N. Duke, Lancaster, Pa.

16843— Wickets

Dufur & Co., 311 N Howard, Baltimore, Md.
Hanke Iron & Wire Works, 800 N Albany av, Chicago, Ill.
Meyers Fred J. Mfg. Co., Hamilton, O.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
TYLER W. S. CO. (Ornamental), Cleveland, O. *See adv index at end of book*
Wickwire Spencer Steel Corp. (All Metals & Finishes), 41 E. 42nd, New York
See adv index at end of book
Wis. Iron & Wire Wks. (Wire, Steel, Brass & Bronze), 1660 Booth, Milwaukee, Wis.

16843a— Wickets (Ornamental)

Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y.
See adv index at end of book

16844— Wicks (Felt, for Electric Motors, Etc.)

Advance Felt & Cutting Co. ("Advance") 315 E. So. Jefferson, Chicago, Ill.
BRAWLEY T. R., 270 20th, Brooklyn, New York *See adv index at end of book*
Continental Felt Co., 64-66 E. 11th, New York. *See adv index at end of book*
Felt Products Mfg. Co., 1507 Carroll av, Chicago, Ill.
Gasket Supply Co., 1927 Ludlow, Philadelphia, Pa.
Keystone Gasket Mfg. Co., 829 N 4th, Philadelphia, Pa.
See adv index at end of book
Monarch Felt Works, 39-45H York, B'klyn, New York
Pierce F. H. (Red & White for Lamps. Stoves, etc.), 52 Pierce, Hyde Park, Mass.
Star Felt Cutting Co., 260 69th, Brooklyn, N. Y.
Tingue, Brown & Co., 118 E 25th, New York
Western Felt Works, 4115 Odgen av, Chicago, Ill.

16845-6-7— Wicks (Lamp, Candle, etc.)

Aladdin Industries Inc. (Kerosene, Round), 601 W Lake, Chicago, Ill.
Atkins & Pearce Mfg. Co., 5th & Eggleston av, Cincinnati, O.
Bishop, Robt. Mfg. Co. ("Paragon" "Standard" "Keystone" "Arrow" Ball Wicking), 157H W. 6th, Boston, Mass.
Brawley, T. R. (Felt), 270 20th, Brooklyn, New York *See adv index at end of book*
California Cotton Mills Co., Oakland, Cal.
Cleveland Mill & Power Co., Lawndale, N. C.
Continental Felt Co. (Felt), 64-66 E. 11th, New York *See adv index at end of book*
Eagle Cotton Mills Co. (Candle Wicks Only), Madison, Ind.
Estes Mills ("Sterling" Miners & Candle), Fall River, Mass.
Hooper Sons Mfg. Co., Juniper & Cherry, Phila., Pa.
Hooper Wm. E. & Sons Co. (Lamp, Cotton Ball, Candle, etc), 350 Parkdale av, Baltimore, Md.
International Braid Co. (Stove), 47 Charles, Providence, R. I.
Jackson, Thos. & Son Co., Reading, Pa.
Lees Mfg. Co. (Candle, Miners', Cotton Ball, etc), Westport, Conn.
Louisville Cotton Mills Co. (Miners' or Ball), Louisville, Ky.
Malden Knitting Mills, Malden, Mass.
Massasoit Mfg Co. ("Annex" "Bostonia" "Aetna" "Baltic" "Climax" "Essex" "Dixie" "Zero"), 136H Pocasset, Fall River, Mass.
Monarch Felt Works (Felt), 39-45H York, Brooklyn, N. Y.
Pettit & Co., Lockport, N. Y.
Richards Fred J (Torch, Miners, etc), 32 Lakeside, Springfield, Mass.
Rochester Woven Belting Corp., East Rochester, N. Y.
Southern Mills Corp., Oxford, Ala.
Toohey M. J. & Co., Fall River, Mass.
Walters Mfg. Co., Fulton bldg, Pittsburgh, Pa.
Westport Mfg Co. (Miners' Torch), Westport, Mass.

16848— Willow Ware Mfrs.

See also Furniture (willow)

Acomb C. W., Cincinnati, O.
Aiken Edwin V., Liverpool, N. Y.
Appenzeller W. H., Greenville, O.
Bahn Henry W., Liverpool, N. Y.
Bahn John & Sons, Liverpool, N. Y.
Bailie Basket Co., 165 Beacon Sound, Boston, Mass.
Bellaire L. & Sons, 41 Stephenson, Buffalo, N. Y.
Bethman August, Dublin, Pa.
Bielecky Bros., Inc., 795 3rd av, New York
Bombayreed Willow Furniture Co., 5155 Wakefield, Phila., Pa.
Boston Willow & Willowcraft Shops, 2225 Mass. av, Boston, Mass.
Burlington Basket Co., Burlington, Iowa
Cook John & Son, 219 N 10th, Reading, Pa.
Crawford Basket Co., Liverpool, N. Y.
Deltour John, 901 Jefferson, Hoboken, N. J.
Duerr, Peter & Bros., 110 Willow, Liverpool, N. Y.
Fess Bros., 412 Ames, Rochester, N. Y.
Fichtner Wm., 725 N 2nd, Phila., Pa.
Giordana P. & Co., 600 Paterson av, West Hoboken, N. J.
Goebert John, 127 Church, Phila., Pa.
Grace J. Watson, 1517 Winghocking, Phila., Pa.
Gumser A. W. & Co., Holland, Mich.
Haywood Bros. & Wakefield Co., Wakefield, Mass.
Hovasse A., 100 Clinton, Chelsea, Mass.
Huke Wm. Mfg. Co., 4311 Grand, St. Louis, Mo.
Jacobson S. A., Co., Inc., 217 Mercer St., New York
Jelbmann Harry, Orenco, Ore.
Kelly Bros., Gardener, Mass.
Kisselstein Will., R. F. D. No. 3, Central Square, N. Y.
Knapp Jacob, 133 Brow St., Liverpool, N. Y.
Krausher Geo., Liverpool, N. Y.
Lehne Miller Co., Liverpool, N. Y.
Lehne Rudolph, 109 Second St., Liverpool, N. Y.
Lincoln State School & Colony, Lincoln, Ill.
McHugh Joseph P. & Son, 15 W 51st, New York
Madison Basket Co., Madison, O.
Marnhout D. Basket Co., 816 Progress, Pittsburgh, Pa.
Marnhout Geo., 321 So. 2nd, Philadelphia, Pa.
Meinecke Mfg. Co., Milwaukee, Wis.
Miller Wm., Liverpool, N. Y.
Minnet & Co., 365 Lexington Ave., New York
Neutzell Chas., Liverpool, N. Y.
Nowack Frank, Liverpool, N. Y.
Porter & Co., 27 Creek Sq., Boston, Mass.
Rattan Furniture Mfg. Co., 2648 15th Ave. West, Seattle, Wash.
Schafer Jos., Liverpool, N. Y.
Sperling A., 354 3rd Ave., New York
Traister Basket Co. Wm., Liverpool, N. Y.
United States Willow Furniture Co., 13th & Grand, Hoboken, N. J.
Westgate Fred H., Liverpool, N. Y.
Wisconsin Workshop for the Blind, 1312 Fond du Lac Ave., Milwaukee, Wis.
Wunder W. L., 529 Penn St., Reading, Pa.
Wyker Co., Fred, Liverpool, N. Y.
Zinn Charles & Co., 16 E 15th, New York

16849—Winches (Deck, Steam & Electric)

Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book
MUNDY J. S. HOISTING ENGINE CO., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book

16850-1—Winches (Electric & Steam)

Bell W. Lewis ("B. B."), 314 1st, San Francisco, Cal.
See adv index at end of book
Clyde Iron Works Sales Co., Duluth, Minn.
See adv index at end of book
Dake Engine Co., Grand Haven, Mich.
DOBBIE FOUNDRY & MACHINE CO., Niagara Falls, N. Y.
See adv index at end of book
Elmes Chas. F. Engineering Works, Cor. Fulton & Sangamon, Chicago, Ill.
See adv index at end of book
Flory, S. Mfg. Co., Bangor, Pa.
See adv index at end of book
HOIST & CRANE ENGINEERING CO. (THE), Engineering bldg, Liberty, New York City
See adv index at end of book
Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book
National Hoisting Engine Co., 325 Manor av, Harrison, N. J.
See adv index at end of book
Puget Sound Machinery Depot, 318 1st av, Seattle, Wash.
SHEPARD ELECTRIC CRANE & HOIST CO. (Electric Only), 406 Schuyler Av., Montour Falls, N. Y.
See adv index at end of book
Vulcan Mfg. Co., 1200 4th av, Seattle, Wash.

16852—Winches—Hand Power (Derrick, Portable & Truck)

Acme Road Machinery Co., Frankfort, N. Y.
American Hoist & Derrick Co., St. Paul, Minn.
Bell W. Lewis ("B. B."), 314 1st, Sar Francisco, Cal.
See adv index at end of book
Bethlehem Shipbuilding Corp. Ltd. (Mooring, Electric & Steam), Dept. H, Broadhead & Parker av, Bethlehem, Pa.
Brown Hoisting Machinery Co. (Winches Only), 4403 St. Clair, N. E., Cleveland, Ohio
See adv index at end of book
Charleston Iron Works, Charleston, S. C.
CLYDE IRON WORKS SALES CO., Duluth, Minn.
See adv index at end of book

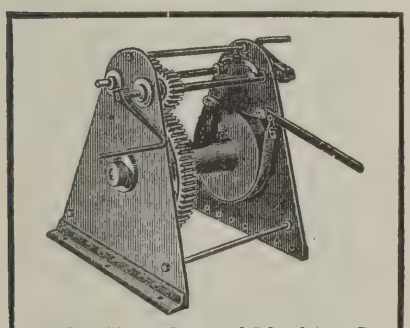
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Hoist & Crane Engineering Co. (The), Engineering bldg, Liberty, New York
See adv index at end of book
Indiana Foundry Co. (& Windlasses), Dept H, Indiana, Pa.
Kelly L. J. Mfg. Co. (Winches & Truck Windlasses), Albany, N. Y.
Klemm E. R., 1453 Austin av, Chicago, Ill.
LIDGERWOOD MFG. CO., 96 Liberty, New York
See adv index at end of book
ROUND D. & SON, Cleveland, O.
See adv index at end of book
SASGEN DERRICK CO. ("Sasgen" Winches, also Steel Frame Portable Winches), 3000 W Grand av, Chicago, Ill.
See adv index at end of book
Seattle Machine Works (Contractors' Winches), Seattle, Wash.
Terry & Tench Co. (Inc.), (Wood & Steel Frame Winches), Grand Central Terminal, New York

16852a—Winches (Motor Power)

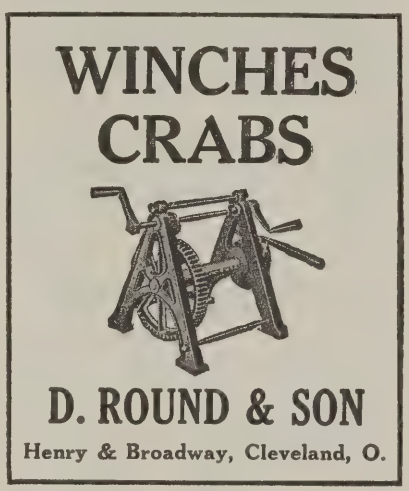
HOIST & CRANE ENGINEERING CO. (THE), Engineering bldg, Liberty 1, New York
See adv index at end of book
International Motor Co., 25 B'way, New York
LIDGERWOOD MFG. CO., 96 Liberty, New York
See adv index at end of book

16853—Winches & Windlasses

Am. Eng. Co. (Hand, Steam & Electric Gypsy & Yacht Windlasses), Dept H, Aramingo & Cumberland, Phila., Pa.
American Hoist & Derrick Co., St. Paul, Minn.
Baker Iron Wks. (Steam Winches), Los Angeles, Cal.
BELL W. LEWIS ("B. B."), 314 1st, San Francisco, Cal.
See adv index at end of book
Bethlehem Shipbuilding Corporation Ltd., Bethlehem, Pa.
Brown Hoisting Machinery Co. (Winches Only), **4403 St. Clair, N. E. Cleveland, Ohio**
See adv index at end of book
Channon Jas. H. Mfg. Co. (Hand Power), 227 W Erie, Chicago, Ill.
Clyde Iron Works Sales Co., Duluth, Minn.
See adv index at end of book
Cope T. J. ("Cope's" Winches), 2112 Sansom, Phila., Pa.
Cunningham Allen Co. Inc., 7500 Carleton av, Seattle, Wash.
Dake Engine Co., Grand Haven, Mich.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y.
See adv index at end of book



Edson Mfg. Co. ("Edson"), 257 Atlantic av, Boston, Mass.
Flory S. Mfg. Co., Bangor, Pa.
See adv index at end of book
Gillie Machine Co. ("Gypsy" Windlasses & Tow Posts), Tonawanda, N. Y.
Hallidie Co., Spokane, Wash.
Helmick Foundry & Machine Co., Fairmont, W. Va.
Hoist & Crane Engineering Co. (The), Engineering bldg, Liberty, New York City
See adv index at end of book
Horton John T. (Winches), 242 Bradhurst av, New York
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Hyde Windlass Co. (Steam Coaling & Electric), Bath, Me.
Irving Mfg. & Tool Co. (Cargo Winches), 157 Chambers, New York
Jackson & Church Co. (Steam Winches), Saginaw, Mich.
Kelly L. J. Mfg. Co. (Winches & Truck Windlasses), Albany, N. Y.
Klemm E. R., 1453 Austin av, Chicago, Ill.
Lake Shore Engine Works (Hand Windlasses), Marquette, Mich.
Lally Commercial Body Co., Everett, Mass.
Laughlin Thos. Co. ("Crank," "Duplex," "Enos," "Half Patent," "Kelley," "Patent Gypsy," "Peabody," "Purchase," "Ratchet Gipsy," "Southern Style" Hand Windlasses Only), 135 Fore, Portland, Ore.
See adv index at end of book
Lowe Machine Works (Winches & Gurdys), Ft. 24th av N W, Seattle, Wash.
Main Iron Works (Anchor Windlasses), 16th & Daggett, San Francisco, Cal.
Marine Hardware Co. (Hand), Peabody, Mass.
Marine Hardware-Equipment Co. ("Acme" & "Mehco"), So. Portland, Me.
Marine Mfg. & Supply Co., 158 Smith, New York
Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book
Murray Bros. Machine Wks. (Cary & Winches), 231-233 Folsom, San Francisco, Cal.
N. & S. Engine Co. Inc., 1144 Elliott av W, Seattle, Wash.
National Hoisting Engine Co. (Winches Only), 325 Manor av, Harrison, N. J.
See adv index at end of book
Neptune Hardware Mfg. Co., 80 Warren, New York
Northwestern Iron Works, Seattle, Wash.
Puget Sound Machinery Depot, **318 1st av,** So. Seattle, Wash.
Reed Geo. A. & Son (Vessel Windlasses), Gloucester, Mass.
ROUND D. & SON, Penn R. R. & Henry, Cleveland, O.
See adv index at end of book



Rowe Machine Works (Winches & Gurdys), Ft. 24th av, N W, Seattle, Wash.
Sasgen Derrick Co. ("Sasgen" Winches, also Steel Frame Portable Winches), **3101 W Grand av., Chicago, Ill.**
Seattle Machine Works (Contractors' **Winches), 51 W. Lander, Seattle, Wash.**
Speidel Elevator Corp., Reading, Pa.
Street Bros. Machine Works (Ship), Chattanooga, Tenn.
Sumner Iron Wks., Everett, Wash.
Superior Iron Works Co. (Mooring Winches), Superior, Wis.
Terry & Tench Co. (Inc.) (Wood & Steel Frame Winches), Grand Central Terminal, New York
Torry Roller Bushing Works, Bath, Me.
Vulcan Iron Works Co., Denver, Col.
Vulcan Iron Works, 327 N Irving av, Chicago, Ill.
Wilcox, Crittenden & Co., Inc. ("Gypsy" & "Navy" Hand Windlasses), 444 S Main, Middletown, Conn.
See adv index at end of book
Willamette Iron & Steel Wks., Portland, Ore.

16854—Wind Shields (Automobile)

Adapt Machinery Co. The, 1624 Wabash av, Chicago, Ill.
Amesbury Brass & Foundry Co., Amesbury, Mass.
Ansonia Mfg. Co. (Brass), H River rd, Ansonia, Conn.
Atlas Specialty Co. (& Rain), 2110 S Morgan, Chicago, Ill.
Automobile Equipment Co., 330 E Congress, Detroit, Mich.
Automobile Specialties Co. ("McGiffin"), E E, Jenkins Arcade, Pittsburgh, Pa.
B. & B. Mfg. Co. ("Superior"), 6523 Caraegil av, Cleveland, O.
Banker Wind Shield Co. ("Banker" for Trucks Only), 5722 Ellesworth av, Pittsburgh, Pa.
Buob & Scheu, 216 Webster, Cincinnati, O.
California Auto Supply Co. Inc. ("Peerless"), 632 Mateo, Los Angeles, Cal.
Chicago Coach & Carriage Co., 1223 S Michigan av, Chicago, Ill.
Clark A. N. & Son ("Clark Tonneon"), Plainville, Conn.
Coleman J. C., 1578 St. Clair, Detroit, Mich.
Collins G. A. & Son ("Collins"), Akron, O.
De Luxe Wind Shield Co. ("De Luxe"), 331 Larkin, San Francisco, Cal.
Douglas & Lomason Co., 5836 Lincoln av, Detroit, Mich.
Dunham Thomas Co., Dept H, Aurora, Ill.
Earl Automobile Works, Los Angeles, Cal.
English & Mersick Co. ("E. M. Talor"), New Haven, Conn.
Fellweck Automobile & Mfg. Co. ("Perfect"), 7 N 4th, Evansville, Ind.
Fowler Lamp & Mfg. Co. ("Fowler," Automatic), 59 E 24th, Chicago, Ill.
Gemco Mfg. Co. ("Gemco"), Milwaukee, Wis.
Golden Gate Brass Mfg. Co. ("Golden Gate," "Superior"), 1239 Sutter, San Francisco, Cal.
Guarantee Tire & Rubber Co. ("Long Distance"), 211 S Illinois, Indianapolis, Ind.
Hartford Windshield Co., 1615 S Los Angeles, Los Angeles, Cal.
Hillman Auto Supply Mfg. Co. ("Hillman"), 98 Massachusetts av, Boston, Mass.
Hillman Mfg. Co. ("National Windshield Visor," Wind Wings), 749 Kohler, Los Angeles, Cal.
Huttig Sash & Door Co., 1208H S Vandeventer av, St. Louis, Mo.
Jacobson Bros. ("Jacobson"), 300 S 12th, Newark, N. J.
Johnston Wm. R. Mfg. Co. ("Johnston"), 451 E Ohio, Chicago, Ill.
Jonah & George, Merrimac, Mass.
Kimball C. P. & Co., 3900 S Michigan av, Chicago, Ill.
Kipper & Co. ("Kozy Wings"), 1734 S Los Angeles, Los Angeles, Cal.
Limousine-Carriage Mfg. Co. ("Voltz," "Schildback" & "Beecher"), 3515 S Michigan av, Chicago, Ill.
Longdin Brugger Co., Fond du Lac, Wis.
Lyons Hugh & Co. ("Lyons"), Lansing, Mich.
McClay Mfg. Co., 3675 Moneta av, Los Angeles, Cal.
Martin Auto Specialty Co. ("Martin"), Lancaster, Mass.
Morrison Steel Products Inc., 26 E North, Buffalo, N. Y.
Motor Products Corp. ("Vanguard"), Mack av & Outer Belt Line, Detroit, Mich.
Murta John Glass Co., 1368 Wall, Los Angeles, Cal.
Mutual Auto Accessories Co. ("J. H."), 47 W 63rd, New York
Nathan Novelty Mfg. Co. ("Nathan"), 55 5th av, New York
National Auto Top Co. ("National"), 244 W 49th, New York.
Page Steel Wire Co., Adrian, Mich.
Paterson Vehicle Co., Paterson, N. J.
Pence Automobile Co. ("Pence"), 800 Hennepin av, Minneapolis, Minn.
Pierce Governor Co., Anderson, Ind.
Polson Mfg. Co., 1754 Main, Buffalo, N. Y.
Quinby J. M. & Co., 27 Division, Newark, N. J.
Riley Bros. ("Riley"), Bridgeton, N. J.
Rostand Mfg. Co. ("Rostand"), Milford, Conn.
Russell H. J. ("Angle"), 23 Institute rd, Worcester, Mass.
Schurmeier Wagon Co., 9th & B'way, St. Paul, Minn.
Smith H. Lund, Paterson, N. J.
Smith Joseph N. & Co. (For Closed Motor Bodies), 2461 E Grand blvd, Detroit, Mich.
Standard Cabinet Mfg. Co. (Tiller Boards, Also Auto Dashes), Peru, Ind.
Standard Mfg. Co., 315 W Pico, Los Angeles, Cal.
Stewart-Carey Glass Co. ("Gibraltar," "Kamah"), 231 S New Jersey, Indianapolis, Ind.
Troy Carriage Sun Shade Co. ("Troy"), Troy, O.
Troy Sunshade Co. ("Troy"), Troy, O.
Twentieth Century Garage ("Williams"), 121 S Ludonette, South Bend, Ind.
Tyre Bros. Glass Co., 1314 B'way, Fresno, Cal.
Wadsworth Mfg. Co., Kercheval & Connors ck, Detroit, Mich.
Western Mechanical Works ("Western Universal," "Kingley"), Los Angeles, Cal.
Whomes Mfg. Co., Inc. ("De Luxe" Tonneau Shields), 2307 S Main, Los Angeles, Cal.

16855— Winders (Dump Scow, Steam)

Superior Iron Works Co., Superior, Wis.

16856-7— Winders (Invoice)

Cherry Wm. A. ("Peerless"), 507 Mission, San Francisco, Cal.
Lidgerwood Mfg. Co., 96 Liberty, New York
See adv index at end of book

16858—Winders (Oyster Dredge)

Hettinger Engine Co., Bridgeton, N. J.
Page Engineering Co. ("Oriole"), Clagett & Hull, Baltimore, Md.

16858a— Winders (Rag)

WILLIAMS FOUNDRY & MACHINE CO., Akron, O. *See adv index at end of book*

16859— Winders (Spring)

See also Spring Coiling Machines

Hjorth Lathe & Tool Co. ("Perfection" for Wire Springs), 10 Tremont, Boston, Mass.

16860—Winding (High Tension)

Acme Wire Co., 1255 Dixwell av, New Haven, Conn.
Dudlo Mfg. Co. ("Dudlo"), Ft. Wayne, Ind.

Windlasses

See Winches & Windlasses

16861—Windlasses (Arc Lamp)

Ayer F. H. Mfg. Co., Chicago Heights, Ill.
Brady Electric Mfg. Co., New Britain, Conn.
Commercial Electrical Supply Co. ("Eddy"), B'way & Spruce, St. Louis, Mo.
Creaghead Engineering Co., 340 Main, Cincinnati, O.
Cutter Geo. Co., South Bend, Ind.
Fletcher Mfg. Co., Dayton, O.
Line Material Co. (Self-Locking), S Milwaukee Wis.

16862—Windlasses (Barrel & Keg)

Markey Machinery Co., 85 Horton, Seattle, Wash.
Oram John S. Co., 5240 Hamilton av, Cleveland, O.

16862a—Windlasses (Ship, Yacht & Vessel)

Am. Eng. Co. (Hand, Steam & Electric Gypsy & Yacht Windlasses), Dept H, Aramingo & Cumberland, Phila., Pa.
Bethlehem Shipbuilding Corp. Ltd., Dept. H, Broadhead & Parker av, Bethlehem, Pa.
Cunningham Allen Co. Inc. (Anchor), 7500 Carleton av, Seattle, Wash.
Edson Mfg. Co. ("Edson"), 257 Atlantic av, Boston, Mass.
Flory S. Mfg. Co., Bangor, Pa.
See adv index at end of book
Gillie Machine Co. ("Gypsy" Windlasses & Tow Posts), Tonawanda, N. Y.
Hallidie Co. (Anchor Dealers), Spokane, Wash.
Hyde Windlass Co. (Steam Coaling & Electric), Bath, Me.
Irving Mfg. & Tool Co. (Cargo Winches), 157 Chambers, New York
Lake Shore Engine Works (Hand Windlasses), Marquette, Mich.
Laughlin Thos. Co. (Windlasses Only), Portland, Me.
See adv index at end of book
Marine Hardware-Equipment Co. ("Acme" & "Mehco"), So. Portland, Me.
Mundy J. S. Hoisting Engine Co., 735 Frelinghuysen av, Newark, N. J.
See adv index at end of book
Reed Geo. A. & Sons (Vessel Windlasses), Gloucester, Mass.
Stephens-Adamson Mfg. Co. ("S.-A."), Aurora, Ill.
Superior Iron Works Co. (Mooring Winches), Superior, Wis.
Torry Roller Bushing Works, Bath, Me.
WILCOX, CRITTENDEN & CO., INC. ("Gypsy" & "Navy," "Andrade" Hand Windlasses), 444 S Main, Middletown, Conn. *See adv index at end of book*

16863— Windmills

Aermotor Co. ("Aermotor"), 2500 W Roosevelt rd, Chicago, Ill.
Althouse-Wheeler Co. (Wood or Steel Wheel Pumping; also Geared Wood Wheel), Waupun, Wis.
Appleton Mfg. Co. ("Goodhue"), Batavia, Ill.
Baker Mfg. Co. ("Monitor"), Evansville, Wis.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
Beckman Bros. ("B-B"), Des Moines, Ia.
Bennett Bros. Co., 51 Payne, Lowell, Pa.
Breyer Bros., Whiting Co., Waupun, Wis.
Butler Co. (Steel & Wood, Oilless), Butler, Ind.
Caldwell W. E. Co., Louisville, Ky.
Celina Mfg. Co. ("Monarch"), Celina, O.
Challenge Co. ("Challenge," "Dandy"), Batavia, Ill.
Church Stephen B., Seymour, Conn.
CORCORAN A. J. (INC.), 745 Jersey av, Jersey City, N. J.
See adv index at end of book
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Currie Wind Mill Co., Topeka, Kan.
Duplex Mfg. Co. ("Duplex," "Superior"), Superior, Wis.
Elgin Wind Power & Pump Co. Elgin, Ill.
Fairbanks, Morse & Co. ("Eclipse," "Fairbanks-Morse"), 900 S Wabash av, Chicago, Ill.
Flint & Walling Mfg. Co. ("Star"), Kendallville, Ind.
FREEMAN MFG. CO., Racine, Wis.
See adv index at end of book
Hellen-Adler Co., Napoleon, O.
Horicon Wind Mill Co. (Steel), Horicon, Wis.
Iowa Wind Mill & Pump Co., Cedar Rapids, Ia.
Jackson Byron Iron Works, Berkeley, Cal.
Kalamazoo Tank & Silo Co., Kalamazoo, Mich.
Kregel Windmill Co., Nebraska City, Neb.
Leach Windmill & Tank Co., Joliet, Ill.
McDaniel & Son, Litchfield, Ill.
Mast, Foos & Co. ("Imperial" Iron Turbine, etc), Springfield, O.
May Bros., Dept. H, Galesburg, Ill.
Mt. Pulaski Wind Mill Co., Mount Pulaski, Ill.
Northwestern Wind Engine Co., 110 3d av, Minneapolis, Minn.
Pacific Pump & Supply Co. (Jobber), 853 Folsom, San Francisco, Cal.
Perkins Corp., Mishawaka, Ind.
Phelps & Bigelow Windmill Co. ("I. X. L.") (Steel & Wood), Kalamazoo, Mich.
Portable Elevator Mfg. Co. ("Samson"), Bloomington, Ill.
Rawleigh W. T., Freeport, Ill.
Reader Jno. B., Delavan, Wis.
Red Cross Mfg. Co., Bluffton, Ind.
Sandwich Mfg. Co., Sandwich, Ill.
Schmidt Geo., East Williston, N. Y.
Sears S. P., New Milford, Conn.
Smith & Pomeroy Windmill Co. ("Eureka")) Kalamazoo, Mich.
Southern Rock Island Plow Co., Dallas, Tex.
Stover Mfg. & Engine Co. ("Samson" Steel, etc.), Freeport, Ill.
Tanner D. F., Holland, N. Y.
U. S. Supply Co., Omaha, Neb.
U. S. Wind Engine & Pump Co. ("Model B," "Halladay," Wood & Steel), Batavia Ill.
Winter F. W. & Co., Faribault, Minn.
Wistrand Mfg. Co. ("Blue Star"), Galva, Ill.
Woodmanse Mfg. Co. (Steel, Wooden & Power, etc), Freeport, Ill.

16864—Window Blind Adjusters

Ives H. B. Co. ("Upson's"), New Haven, Conn.
Russell & Erwin Mfg. Co., New Britain Conn.
Washburn Co. (Wire Goods Div.), 28 Union, Worcester, Mass.

16865—Window Cleaning Appliances & Guards

Cherry Wm. A. Co., 181 6th, San Francisco, Cal.
Perfect Safety Window Guard, 15 E 40th, New York
Russell & Erwin Mfg. Co. ("Russwin"), New Britain, Conn.
Whitner Two Rope Safety Co., 638 S Clark, Chicago, Ill.

16866—Window Display Fixtures

Ahedo E., 1157 Folsom, San Francisco, Cal.
American Brass Fixture Works (Brass & Nickel Plated), 67 Engart av, Brooklyn, N. Y.
Barlow Co. (Wax Figures, Show Cases, Papier Mache Forms), Holyoke, Mass.
Benjamin Electric Mfg. Co. ("Ben-Ox" Interchangeable), 120 S Sangamon, Chicago, Ill.
Bogert & Hopper Inc. (Wooden), 57 Barclay, New York
See adv index at end of book
California Form & Fixture Co. (Also Wax Figures), 1618 San Pablo av, Oakland, Cal.
Curtis-Leger Fixture Co., 235 W Jackson blvd, Chicago, Ill.
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Feldman L. A. Fixture Co., 32 W 32nd, New York
Finkelstein & Co. (Papier Mache Figures, Metal Stands, etc), 48 Mangin, New York
Frankel Display Fixture Co., 177 Hudson, New York
Gallagher Bros. ("Fashunette" Manikins), Phelan bldg, San Francisco, Cal.
Greenwald Display Fixture Co. (Wax Figures & Forms), 797 Broadway, New York
Hall-Borchert Manufacturing Co., 18 E 41st, New York
Heimann Morris A. Mfg. Co., 1402 Washington av, St. Louis, Mo.
Jewelry Displaying & Box Novelty Co. For Jewelers), 21 Ritch, San Francisco, Cal.
Kain Fixture & Brass Works, 113 W Ann, Los Angeles, Cal.
Kawneer Co. (Steel & Bronze), Niles, Mich.
Kayline Co., 600 Huron, Cleveland, O.
Kehoe Display Fixture Co. (Wax Figures & Papier Mache Forms), 541 Market, San Francisco, Cal.
Kolar Bros. (Wood Stands, etc.), 9 Baxter, New York
Landers Bert A. Inc., 823 S Los Angeles, Los Angeles, Cal.
Lyons Hugh & Co., Lansing, Mich.
Multiplex Display Fixture Co. (also Office & Store), 918 N 10th, St. Louis, Mo.
National X-Ray Reflector Co., 220 Jackson blvd, Chicago, Ill.
Novelty Wire Works, 120 E 13th, New York
Onken Oscar & Co. (Wood), 4th & Cutter, Cincinnati, O.
Palmenberg's J. R. Sons, 63 W 36th, New York
Parsons Green Display Fixture Co. (Also Jobbers of Wax Figures), 341-47 Market, San Francisco, Cal.
Photoplating Co. (Advertising, also Shoe Cases, Small), 215 N E 5th, Minneapolis, Minn.
Royal Display Fixture Co. (Metal & Wooden), 812 B'way, New York
Standard Mfg. Co., Xenia, O.
Stern Karl Co. Inc., 314 S Los Angeles, Los Angeles, Cal.
Superior Brass & Fixture Co., 312 W Jackson blvd, Chicago, Ill.
Weston Paper & Mfg. Co. (Also Store), Dayton, O.
Woodruff D. W. & Co., 860 Howard, San Francisco, Cal.

16867—Window Frame & Sash (Metallic)

See also Windows, Fire-Proof, Wire Glass

Allison Steel Products Co., 2nd & Palmer, Chester, Pa.
American Sheet Metal Works (Hollow Metal), 3427 S Carrollton, New Orleans, La.
Barnes & Nuss Co., Grand Forks, N. D.
Basman A. M. & Co., 1644-46 W Fort, Detroit, Mich.
Biegler Louis Co., 167 N Curtis, Chicago, Ill.
Biersach & Niedermeyer Co., 220 5th, Milwaukee, Wis.
Bostwick C. G., 236 N Oxford, Hartford, Conn.
Braun J. G., 609 S Paulina, Chicago, Ill.
Burton W. J. Co. (Automatic Fireproof), Junction & Federal, Detroit, Mich.
California Cornice Works (Hollow Metal), 1620 N Spring, Los Angeles, Cal.
Cal. Fire Proof Door Co., 1933 S Los Angeles, Los Angeles, Cal.
Central Metal Product Corp., Canton, O.
Chesley A. C. Co., 275 Rider av, New York
Consolidated Sheet Metal Works, 661 Hubbard, Milwaukee, Wis.
Cushing Daniel & Co., Lowell, Mass.
Decatur Cornice & Roofing Co., New Decatur, Ala.
Dowman-Dozier Mfg. Co., Atlanta, Ga.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
Eller Mfg. Co., 1200 Chandler av S W, Canton, O.
Forderer Cornice Works, 269 Potrero av, San Francisco, Cal.
Hastings Foundry & Iron Works, Hastings, Neb.
Herrmann & Grace Co., 671 Bergen, Brooklyn, N. Y.
Herzog Iron Works, St. Paul, Minn.
Hicks S. D. & Son, 69 Commercial, Boston, Mass.
Hopmann Cornice Co., 2573H Benton, St. Louis, Mo.
Howie Roofing Co., Detroit, Mich.
Illinois Art Metal Co., Springfield, Ill.
International Casement Co., Jamestown, N. Y.
International Steel & Iron Co., Evansville, Ind.
Kawneer Co. ("Kawneer" & Solid Steel), 1226 Front, Niles, Mich.
Kirk W. P. Co., 749 Main, Bridgeport, Conn.
Klauer Mfg. Co., Dubuque, Ia.
Knisely H. C. Co., 1908 S Western av, Chicago, Ill.
Knoburn Co., Hoboken, N. J.
Lawton Stephens Co. (Bronze, Copper or Steel), 427 Marcy av, Brooklyn, N. Y.
LEE THOMAS & SON CO. (Automatic Closing & Sliding Sash), 123-132 W 2nd, Cincinnati, Ohio
See adv index at end of book
Leonard Sheet Metal Works ("Leonard" Combined Sliding & Revolving Sashes & Ideal Windows), Hoboken, N. J.
Louisville Cornice & Roofing Co., Louisville, Ky.
LUPTON'S DAVID SONS CO., Allegheny av & Tulip, Phila., Pa.
See adv at Shelving Steel
McDonald & Wynkoop, E 9th & Hawthorne av, Portland, Ore.
McFarland J. C. Co., 300 S Michigan blvd, Chicago, Ill.
McFarland, Meade Co., 70th & Kingsessing, Phila., Pa.
Machwirth Bros. Co., 201-9 Oak, Buffalo, N. Y.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Mesker Geo. L. & Co. (Solid Section Steel Sash), Evansville, Ind.
Metallic Mfg. Co., Camden, N. J.
Michel & Pfeffer Iron Works ("California" Steel Windows), 1417 Harrison, San Francisco, Cal.
MOESCHL-EDWARDS CORRUGATING CO., Box 564, Cincinnati, O.
See adv index at end of book
National Metallic Sash Co., 406 N Leavitt, Chicago, Ill.
National Skylight & Ventilator Co., Rochester, N. Y.
Newark Cornice & Skylight Works (Automatic), 9-17th av, Newark, N. J.

Northwestern Roofing, Cornice & Stamping, Works, 1111 S 5th, Minneapolis, Minn.
Perkinson & Brown, 412 N Lincoln, Chicago, Ill.
Perry-Christenson-Campbell, Inc., 229 10th, San Diego, Cal.
Pomeroy S. H. Co., 282 E 134th, New York
Porter Iron Roofing & Corrugating Co., 418 Culvert, Cincinnati, O.
Powers & Boyd Cornice & Roofing Co., 3614 Laclede, St. Louis, Mo.
Pruden C. D. Co. (Metal), Dock & Warner & Dock, Baltimore, Md.
Puget Sound Sheet Metal Works, 3631 E Marginal Way, Seattle, Wash.
Rasner & Dinger Co., 850 W North, Pittsburgh, Pa.
Reliance Fireproof Door Co., 79-103 Dobbin, Brooklyn, N. Y.
Richey, Browne & Donald, Flushing av, Maspeth, N. Y.
Riester & Thesmacher, 1512 W 25th, Cleveland, O.
Rosen J. Cornice Works, 1460 Central av, Los Angeles, Cal.
Rudolph & Son Co., 416 Prospect av, N W, Cleveland, O.
Ruth J. F., 4249 Easton, St. Louis, Mo.
Schoedinger F. O. ("Fosco"), 346 Mt. Vernon av, Columbus, O.
Seattle Cornice Wks., 1730 1st av S, Seattle, Wash.
Simplex Window Co., 525 Market, San Francisco, Cal.
Standard Sheet Metal Corp., 702-4 R. Fresno, Cal.
Standard Sheet Metal Mfg. Co., Washington, Pa.
Sykes Co., 2300 W 58th, Chicago, Ill.
Thorn J. S. Co., 20th & Allegheny av, Phila., Pa.
TYLER W. S. CO., Cleveland, O.
See adv index at end of book
United States Metal Products Co., 330 10th, San Francisco, Cal.
Valley Cornice & Slate Co. (Ltd.), Saginaw, Mich.
Voigtmann & Co., 4158 Schubert av, Chicago, Ill.
Wagner J. F. Sons Co., 1145 S 7th, Louisville, Ky.
Watson Jas. H. Co. (Hollow Metal), Bradley, Ill.
Weis Henry Cornice Co. (Weis Steel), Kansas City, Mo.
Westergren M. F. (Inc.), 213 E 144th, New York
Western Steel Products Co., New Duluth, Minn.
Weyand Hy. Co., Waterbury, Conn.
Willis Mfg. Co., Galesburg, Ill.
Wis. Iron & Wire Works, 1660H Booth, Milwaukee, Wis.
World Fire Proof Door Corp., 448 Tiffany, New York

16868—Window Frame & Sash (Wrought Steel)

Allison Steel Products Co., Dept. H, Chester, Pa.
Bayley Wm. Co. ("Bayley-Springfield"), Springfield, O.
Bogert & Carlough Co. ("Boca"), Railroad av & Straight, Paterson, N. J.
Braun J. G., 609 S Paulina, Chicago, Ill.
California Artistic Metal & Wire Co., 349H 7th, San Francisco, Cal.
Central Metal Products Corp., Canton, O.
Detroit Steel Products Co. ("Fenestra"), 2250 E Grand blvd, Detroit, Mich.
Empire Art Metal Co., Inc, College Point, L. I., N. Y.
Federal Steel Sash Co. ("Febrisco"), Waukesha, Wis.
Kawneer Co. (Fireproof, Cold Drawn), Niles, Mich.
LUPTON'S DAVID SONS CO. ("Pond," "Lupton" Counterbalanced, Pivoted, Continuous), Allegheny av & Tulip, Phila., Pa.
See adv at Shelving Steel
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
North Western Expanded Metal Co. ("Febrisco"), 1223 Old Colony bldg, Chicago
See adv index at end of book
Richey, Browne & Donald, Flushing av, Maspeth, N. Y.
Schreiber L. & Sons Co. (Also Cast Iron), 2869 Ivanhoe, Cincinnati, O.
Thorn J. S. Co., 20th & Allegheny av, Phila., Pa.
Truscon Steel Co. ("Truscon"), Youngstown, O.
TYLER W. S. CO. ("Tyler," Steel Sash), Cleveland, O. *See adv index at end of book*
United States Metal Products Co., 330H 10th, San Francisco, Cal.
Van Dorn Iron Works Co., 2700 E 79th, Cleveland, O.
See adv index at end of book

16869—Window Frames (Reversible)

Amos Chas. & Co. Inc. (Wire), 2990-3000 Hart av, Detroit, Mich.
Phenix Mfg. Co. ("Phenix"), Milwaukee, Wis.
Universal Sales Co. ("Universal"), 1916 Broadway, Oakland, Cal.

16870-1-2-3—Window Guards

See also Fire Fences & Gates; Grilles, Wrought Iron; Iron, Architectural & Ornamental; also Bank & Office Railings; also Bronze, Architectural, Etc.
Acme Fence & Iron Co., 8502H Lake av, Cleveland, O.
Badger Wire & Iron Works (Wire), 25th & Cleveland av, Milwaukee, Wis.
Barnes Wire Fence Co., 1930 Ferry Pk av, Detroit, Mich.
Barnum E. T. Iron & Wire Wks., 501-23 Cass av, Detroit, Mich.
BUFFALO WIRE WORKS CO., 453 Terrace, Buffalo, N. Y.
See adv index at end of book
Cincinnati Iron Fence Co., 3300 Spring Grove av, Cincinnati, Ohio
Crown Iron Wks. Co., 1229 Tyler, Minneapolis, Minn.
Cyclone Fence Co., Dept H, Waukegan, Ill.
Dufur & Co. (Wire), 311 N Howard, Baltimore, Md.
Expanded Metal Safety Guard Co., Fourteenth & Vernon av, Long Island City, N. Y.
Fiske J. W. Iron Works, 111 Park pl., New York
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
Mack Iron & Wire Works, Sandusky, O.
MEYERS FRED J. MFG. CO., Hamilton, Ohio
New Jersey Wire Cloth Co., Trenton, N. J.
See adv index at end of book
Page Steel & Wire Co., Adrian, Mich.
Republic Structural Iron Wks. Division, 1350H E 53rd, Cleveland, O.
Roanoke Iron & Bridge Works Inc., Walnut av, Roanoke, Va.
Smith F. P. Wire & Iron Works ("Suransafe" Removable "Triangular" Steel), 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Smith J. R. Co. (Wire), 497 State, New Haven, Conn.
Stewart Iron Works Co., Inc., 238 Stewart blk, Cincinnati, O.
See adv index at end of book
Syracuse Wire Works, 101 University av, Syracuse, N. Y.
Union Steel Products Co., Ltd. ("Union"), Albion, Mich.
Wilkins J. D., 204-6 W Lee, Greensboro, N. C.
Wis. Iron & Wire Wks., 1660 Booth, Milwaukee, Wis.
Wrobbel-Maine Co., The, 3106 E 63rd, Cleveland, O.

16874—Window Sash Pivots

Michel & Pfeffer Iron Works, 1417 Harrison, San Francisco, Cal.
Richards-Wilcox Mfg. Co. ("Richards"), Aurora, Ill. *See adv index at end of book*
Smith Frank F Hardware Co. ("Smith's Improved" Metal Only), 31H Clay, Newark, N. J.
Steiner & Voegtly Hardware Co. ("Giesey's"), 230 Diamond, Pittsburgh, Pa.
Williams Pivot Sash Co., 1827 E 37th, Cleveland, O.
Yates J. W. (With Gravity Stops), 49½ 8th av, New York

16875—Window Sash (Reversible)

Acme Safety Window & Screen Co., 77 O'Farrell, San Francisco, Cal.
Bogert & Carlough Co., Railroad av & Straight, Paterson, N. J.
Dean Reversible Window Co., 551 Brannon, San Francisco, Cal.
Deissler P. & Bro., 1741 N 6th, Phila., Pa.
Forderer Cornice Works, 269 Potrero av, San Francisco, Cal.
Hauser Window Co., 1368 Harrison, San Francisco, Cal.
Hipolito Screen & Sash Co., Los Angeles, Cal.
Kawneer Co., Niles, Mich.
Kawneer Mfg. Co. of Cal. ("Simplex"), 8th & Dwight Way, Berkeley, Cal.
Leonard Sheet Metal Works ("Ideal" Ventilating), Hoboken, N. J.
Metal Reversible Window Device Co., Fremont, O.
Pruden C. D. Co. (Metal), Dock & Warner, Baltimore, Md.
United States Metal Products Co., 330H 10th, San Francisco, Cal.
Universal Sales Co. ("Universal"), 1916 B'way, Oakland, Cal.

Window Screen Cloth

See Wire Cloth, Window Screen

16876—Window Screen & Awning (Combined)

Phenix Mfg. Co. ("Phenix"), Milwaukee, Wis.

16877—Window Shade Fixtures

Allen Shade Holder Co. Inc. (Adjustable Holders), 116 Washington, Boston, Mass.
Steelton Mfg. Co. (Adjustable Metal Strip), Steelton, Pa.

16878—Window Shade Mfrs.

Allen Shade Holder Co. Inc., 116 Washington, Boston, Mass.
Bailey & Weston, 81 Washington, Boston, Mass.
Beckley-Cardy Co. ("Litenair," "Everwear" Cotton Duck), 17 E 23rd, Chicago, Ill.
Bosch Henry Co., 525 S Wabash av, Chicago, Ill.
Breneman Chas. W. & Co., 2045 Reading rd., Cincinnati, O.
Brenman-Somers Co., Inc. ("Brenlin"), 14th & Johnson, Portland, Ore.
Caxton School Supply Co. ("Caxton" "Chicago" Adjustable), 2345 S La Salle, Chicago, Ill.
Chemitex Products Co., Box 755, Akron, Ohio
Columbia Mills, 225H Fifth av, New York
Forse Mfg. Co. (Duck, Adjustable), Anderson, Ind.
Hees-McFarlane Co., 3297 Hubbard, Detroit, Mich.
Kloes F. J., 269 Canal, New York
Newman Julius, 1170 B'way, New York
Ohio Brass Co. ("O.B." Wood Wheel), Mansfield, O.
Ordinator Co., 233 E 41st, New York
Pinney, Casse & Lackey Co., Fremont, Jersey City, N. J.
Talbert-Whitmore Co. ("Damask" Three Star Unfilled"), 2626 Lacy, Los Angeles, Cal.
Victor Parting Bead Co., 128 Washington, Reading, Pa.
Volker Wm. & Co., N W cor 3d & Main, Kansas City, Mo.
Weiss & Klau Co., 462 B'way, New York

16879—Window Springs (Burglar Alarm)

Bernz Otto, 27 Ashland, Newark, N. J.
Edwards & Co., 140 & Exterior, New York
Farrington & Co., Mt. Vernon, N. Y.
Manhattan Electrical Supply Co. ("Ezy-Test"), 17 Park pl, New York
Ostrander & Co., W. R., 371 B'way, New York

16880—Window Stop Screws & Washers

Read A. P. Co. ("Read's" Flush Face & Oval Heads), 565 W Washington, Chicago, Ill.

16880a—Windows (Basement, All Metal)

Majestic Co., Huntington, Ind.
Youngstown Pressed Steel Co., Warren, O
See adv index at end of book

16881—Windows (Casement, Wrought Steel)

See also Window Frames

Crittall Casement Window Co, ("Crittall"), 10951 Hearn, Detroit, Mich.
Hoffman Andrew Mfg. Co., 28 E Jackson blvd, Chicago, Ill.

16882-83—Windows (Cellar)

Hope Henry & Sons, 103 Park av, New York
International Casement Co., Jamestown, N. Y.
Majestic Co. (Cast Iron Frame), Huntington, Ind.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Wheeling Metal & Mfg. Co. (Steel), Wheeling, W. Va.

16884—Windows (Fire-Proof, Wire Glass)

See also Window Frame & Sash, Metallic
Braun J. G., 609 S Paulina, Chicago, Ill.
California Cornice Works (Hollow Metal), 1620 N Spring, Los Angeles, Cal.
Clason Architectural Metal Works, 423 Kinsley av, Providence, R. I.
Consolidated Sheet Metal Works, 661 Hubbard, Milwaukee, Wis.
Dowman-Dozier Mfg. Co., Atlanta, Ga.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
See adv index at end of book
International Steel & Iron Co., Evansville, Ind.
Knisley Bros., 2799 S 5th av, Chicago, Ill.
LUPTON'S DAVID SONS CO., Allegheny av & Tulip, Phila., Pa.
See adv at Shelving Steel
McFarland J. C. Co., 300 S Michigan blvd, Chicago, Ill.
Machwirth Bros. Co., 201-9 Oak, Buffalo, N. Y.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Pomeroy S. H. Co. ("Pomeroy"), 282 E 13th, New York
Pruden C. D. Co., Dock & Warner, Baltimore, Md.
Puget Sound Sheet Metal Works, 3631 E Marginal Way, Seattle, Wash.

(Continued on following page)

BAYLIS SANITARY SUPPLY CO.

Cheesecloth
Mill-ends, Misprint Cloth
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Sanitary Wiping Cloths
Colored Remnants, Waste
Knitted Polishing Gauze

BASCO BRAND PRODUCTS

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Windows (Fire-Proof, Wire Glass)—Continued

Richey, Browne & Donald, Flushing av, Maspeth, N. Y.
Scholes Bros., 1241 Rosedale, Pittsburgh, Pa
Thorn J. S. Co., 20th & Allegheny av, Phila., Pa.
Voigtmann & Co., 4158 Schubert av, Chicago, Ill.
Weis Henry Cornice Co., Kansas City, Mo.
Weyand Henry Co., Waterbury, Conn.
Witt & Brown, 215 W 3rd, Cincinnati, O.
World Fireproof Door Corp., 448 Tiffany, New York

16885—*Windows (Glass Stained)

See also Windows, Memorial; also Glass, Stained; also Windows, Cathedral

Chicago Millwork Supply Co. (Glazed), 1404 W 37th, Chicago, Ill.
Daprato Statuary Co., 766 W Adams, Chicago, Ill.
See adv index at end of book

Stained Glass Windows of the highest class of art and workmanship.
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16885a—*Windows (Hollow Steel)

DAHLSTROM METALLIC DOOR CO., 413 Buffalo, Jamestown, N. Y.
See adv index at end of book

16886—Windows (Puttyless)

Milwaukee Corrugating Co. ("Daylight" Hog House), Milwaukee, Wis.

16887-8—Windows (Rolled Steel)

Bayley Wm. Co. (Rolled Steel), Springfield, Ohio
Braun J. G. (Rolled Steel), 609 S Paulina, Chicago, Ill.
Campbell Metal Window Corp. ("Campbell"), Bush & Hamburg, Baltimore, Md. (New York, 1 Pershing sq.)
Detroit Steel Products Co. ("Fenestra"), 2250 E Grand blvd, Detroit, Mich.
International Casement Co. (& Drawn, Bronze), Jamestown, N. Y.
Kawneer Co. ("Kawneer" Solid Steel), 1226 Front, Niles, Mich.
LUPTON'S DAVID SONS CO. ("Lupton," "Pond" Continuous Steel Sash), Allegheny av & Tulip, Phila., Pa.
See adv at Shelving Steel
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Pomeroy S. H. Co., Inc., 282-96 E 134th, New York
Richey, Browne & Donald ("Browne"), Flushing av, Maspeth, N. Y.
Truscon Steel Co. ("United"), Youngstown, O.
United States Metal Products Co. ("Metprodco"), 330 10th, San Francisco, Cal.
Voigtmann & Co., 4158 Schubert av, Chicago, Ill.

16889—Windrowers (Hay)

Blocki F. Co., Sheboygan, Wis.
Gaterman Mfg. Co., Manitowoc, Wis.
Hudson Mfg. Co., 324 3rd av N, Minneapolis, Minn.
Thornburgh Mfg. Co. (Side Delivery), Bowling Green, O.

16889a— Wiper Towels

Strong Machinery & Supply Co., 292-294 Church, New York
See adv index at end of book

16890—Wipers or Wiping Cloths (Machine)

See also Waste, Cotton & Wool

American Reduction Co., 1942H Forbes, Pittsburgh, Pa.
America Silk Mfg. Co. (Raw Silk), 4341 Orchard, Phila., Pa.
Baylis Sanitary Supply Co., 340 W Superior, Chicago, Ill.
See adv index at end of book
Bishop Robert Mfg. Co. (& Railroad), 157H W 6th, Boston, Mass.
California Sanitary Rag Co., 704 Sansome, San Francisco, Cal.
Carpenter & Co., Geo. B., 434 N Wells, Chicago, Ill.
See adv index at end of book
Clapp H. D. B. & Co. (White & Colored, Polishing, etc.), 324 N American, Phila., Pa.
Crowther Harry (Silk), Rorer & Ontario, Philadelphia, Pa.
Economy Mills, High, Oakland, Cal.
Elkhart Junk Co., Elkhart, Ind.
Erie Iron & Steel Co., Erie, Pa.
Felber Sales Co., Superior & 38th, Cleveland, Ohio
Fitts Frank E. Mfg. & Supply Co., 88 Purchase, Boston, Mass.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Goulds Mfg. Co. ("Autowater"), 71 W Fall, Seneca Falls, N. Y.
Gumbinsky Bros. Co., 2261 S Union av, Chicago, Ill.
Hagy Clayton L. & Son (Inc.), 16th & Carpenter, Phila, Pa.
Hagy J. Milton Waste Works, 836 Swanson, Phila., Pa.
Hall W. & Co., Lansdowne, Pa.
Houghton E. F. & Co ("Houghton's U. S."), 240 W Somerset, Phila., Pa.
Kaufman M., 347 N Sheldon, Chicago, Ill.
Massasoit Mfg. Co. ("Masco," "Duro"), 136H Pocasset, Fall River, Mass.
Meagher's James & Sons, 1628 San Bruno av, San Francisco, Cal.
Merchants & Manufacturer's Supply Co., Chelsea, Mass.
National Sanitary Rag Co., 540 8th, San Francisco, Cal.
Ohio Sanitary Wipers Co., 2273 Smead av, Toledo, Ohio
OIL & WASTE SAVING MACHINE CO., Real Estate Trust bldg, Phila., Pa.
See adv index at end of book
Pacific Cotton Waste & Fibre Co., 554 Mission, San Francisco, Cal.
Sanitary-Washed Wiper Co., 813-15 So. Delaware, Indianapolis, Ind.
Scheinman I. L. & Co. ("I. L. S. & C."), 38 Sherman, Detroit, Mich.
Sibbet Co., 550 Poplar, Oakland, Cal.
Speer M. B. & Co., Park bldg., Pittsburgh, Pa.
Stevenson Bro. & Co., 110 Race, Phila., Pa.
Strong Machinery & Supply Co. ("Tisafine"), 292-294 Church, New York
See adv index at end of book
Wilkinson Seth (Silk), Central Falls, R. I.

16890a— Wire

ALLOY METAL WIRE CO., Grand Central Terminal, Room 5938, New York
See adv index at end of book
ALUMINUM COMPANY OF AMERICA (Aluminum Bars & Insulated Wire & Cables), 2301 Oliver bldg, Pittsburgh, Pa.
See adv index at end of book
Amalgamated Metals Selling Co., Ltd., 42 B'way, New York
Am. Steel & Wire Co., 208 S La Salle, Chicago, Ill. *See adv index at end of book*
Colonial Supply Co. (All Kinds), 217 Water, Pittsburgh, Pa.
See adv index at end of book
Cuyahoga Steel & Wire Co., P. O. Station D, Cleveland, Ohio
Fishel & Marks Co., Ft. of Krakow av, Cleveland, O.
See adv index at end of book
LARKIN J. K. & CO., 253 Broadway, New York *See adv index at end of book*
Marks & Fiske, 1316H Dime Bank bldg., Detroit, Mich.
Michigan Wire Cloth Co., 2100 Howard, Detroit, Mich.
See adv index at end of book
O'Neill Joseph Wire Wks., Portchester, N. Y.

Alloy Metal Wire Co.
Manufacturers of
Resistance Wires
Silchrome for High Temperatures
Pure Nickel, Spark Plug, Nickel, Monel Metal, Copper Nickel, Nickel Chromium, Nickel Silver, Nickel Steel.
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Branches: New York, Detroit, Chicago

16891—Wire (Aerial & Cable)

American Electrical Works ("Amelectric"), Phillipsdale, R. I.
Ansonia Electrical Co. (Cable), 55H Main, Ansonia, Conn.
Atlantic Insulated Wire & Cable Co., Stamford, Conn.
Bay State Insulated Wire & Cable Co., Hyde Park, Mass.
Boker H. & Co., Inc. ("Meteor" Spark Plug), 101 Duane, New York
California Wire Co. ("California Wire"), Orange, Cal.
Collyer Insulated Wire Co. ("I. & L."), Pawtucket, R. I.
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Detroit Insulated Wire Co., Wesson & Albert, Detroit, Mich.
Driver-Harris Co., Harrison, N. J.
See adv index at end of book
Habirshaw Electric Cable Co. ("Habirshaw" "Ecco" Code), 10 E 43rd, New York
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Illinois Wire & Cable Co. ("Illinois"), Sycamore, Ill.
Indiana Rubber & Insulated Wire Co., P. O. Box 193, Jonesboro, Ind.
Kerite Insulated Wire & Cable Co. (Kerite), 30 Church, New York
Okonite Co. ("Candee"), Passaic, N. J.
Riverside Metal Co. (Phosphor Bronze), Riverside, N. J.
Rome Wire Co., Rome, N. Y.
Safety Insulated Wire & Cable Co., 114 Liberty, New York
Seneca Wire & Mfg. Co., Fostoria, Ohio
Simplex Wire & Cable Co., 201 Devonshire, Boston, Mass.
Standard Underground Cable Co., 17th & Pike, Pittsburgh, Pa.
Stromberg-Carlson Telephone Mfg. Co., 1050 University av, Rochester, N. Y.
Upson-Walton Co., 1294 W. 11th, Cleveland, O.
Whitney-Blake Co., Dixwell, Treadwell & Hamden, New Haven, Conn.

Wickwire Spencer Steel Corporation

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WIRE WIRE SPRINGS WIRE SPECIALTIES

BRIGHT WIRE GOODS KITCHEN WIRE GOODS

WICKWIRE SPENCER STEEL CORP., 41 E 42nd, New York
See adv index at end of book

16892— Wire (Aeroplane)

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Century Telephone Construction Co., 1738 Elmwood, Buffalo, N. Y.
Electrical Alloy Co., Morristown, N. J.
Habirshaw Electric Cable Co. ("Habirshaw" Insulated), 10 E 43rd, New York
Rathbone A. B. & J., Palmer, Mass.
Roebling's, John A. Sons, Trenton, N. J.
See adv index at end of book
Simplex Wire & Cable Co., 201 Devonshire, Boston, Mass.
Upson Walton Co., The, 1294 W 11th, Cleveland, O.
Whitney-Blake Co., Dixwell, Treadwell & Hamden, New Haven, Conn.

16893—Wire (Aluminum)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
Bradford Co. (Imp.), 250 5th av, New York
Cleveland Metal Products Co., 7609 Platt av & C. & P. tracks, Cleveland, O.
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Harris Frederick T., 69 Sprague, Providence, R. I.
Hough, W. S. Jr. Co., 61 Peck, Providence, R. I.
MICHIGAN WIRE CLOTH CO., 2100 Howard, Detroit, Mich.
See adv index at end of book
Stimpson Edwin B. Co., 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.
Westinghouse Electric & Mfg. Co., E Pittsburgh, Pa. *See adv index at end of book*

16894—Wire (Aluminum Bronze)

Amalgamated Metals Selling Co., Ltd., 120 E. 16th, New York
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Vanadium Metals Co., Vanadium bldg, Pittsburgh, Pa.

16895—Wire (Aluminum Coated)

Amalgamated Metals Selling Co., Ltd., 120 E. 16th, New York
Wilder Metal Coating & Mfg. Co., Connellsville, Pa.

Wire (Annealed)

See Wire, Market

16896—Wire (Annunciator or Office)

AMERICAN BRASS CO., Waterbury, Conn.
For branch offices see adv index at end of book
American Electrical Works, Phillipsdale, R. I.
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Ansonia Electrical Co., Ansonia, Conn.
Belden Mfg. Co., 2316 S Western av, Chicago, Ill.
Chicago Insulated Wire & Mfg. Co., Sycamore, Ill.
Collyer Insulated Wire Co. ("L. & L."), Pawtucket, R. I.
Crescent Insulated Wire & Cable Co., Trenton, N. J.
Dufur & Co., 311 N Howard, Baltimore, Md.
Fulton Bag & Cotton Mills (Cotton), Atlanta, Ga.
Goldmark James Co., 81 Warren, New York
Goodrich B. F. Co., Akron, O.
Hazard Mfg. Co., Wilkes-Barre, Pa.
Kellogg Switchboard & Supply Co., 1066 W Adams, Chicago, Ill.
Monarch Electric & Wire Co., 622 W Adams, Chicago, Ill.
National Conduit & Cable Co., Hastings-on-Hudson, N. Y.
New England Electrical Works, Lisbon, N. H.
Philadelphia Insulated Wire Co., 200 N 3rd, Philadelphia, Pa.
ROEBLING'S JOHN A. SONS CO., Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book
Rome Wire Co. ("Rome-Wire"), Rome, N. Y. *See adv index at end of book*
Runzel-Lenz Electric Mfg. Co., 1751 N Western av, Chicago, Ill.
Seneca Wire & Mfg. Co., Fostoria, Ohio
Standard Underground Cable Co., 17th & Pike, Pittsburgh, Pa.
Stromberg-Carlson Telephone Mfg. Co., 1050 University av, Rochester, N. Y.
Western Electric Co., 463 West, New York

16896a— Wire (Antenna)

American Brass Co., Waterbury, Conn.
See adv index at end of book
Am. Elec. Co., 6401 S State, Chicago, Ill.
Am. Radio & Research Corp, 203 College av, Medford Hillside, Mass.
GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book
National Radio Co., Marshall, Mass.
Rome Wire Co., Rome, N. Y.
See adv index at end of book
Standard Underground Cable Co., 17th & Pike, Pittsburgh, Pa.

16897—Wire (Antenna — Aerial & Antenna Cord)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
Ansonia Electrical Co., 55 Main, Ansonia, Conn.
Blancke, A. C. & Co., 602 W Lake, Chicago, Ill.
Boston Insulated Wire & Cable Co. ("B I. W."), 65 Bay, Boston, Mass.
Driver-Harris Co., Harrison, N. J.
See adv index at end of book
Gled Radio ("Gled"), 1212 Arch, Phila., Pa.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
New England Electrical Works, Lisbon, N. H.
Riverside Metal Co., Riverside, N. J.
Rome Wire Co., Rome, N. Y.
See adv index at end of book
Standard Underground Cable Co., 17th & Pike. Pittsburgh, Pa.

16898—Wire (Armature Banding)

American Brass Co., Waterbury, Conn.
See adv index at end of book
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Belden Mfg. Co., 2316 S Western av, Chicago, Ill.
Bourne Fuller Co., Hanna bldg., Cleveland, Ohio
Johns-Manville Inc., Madison av & 41st, New York
Larkin J. K. & Co., 253 Broadway, New York *See adv index at end of book*
Moon Geo. C. Co., Garwood, N. J.
Prentiss G. W. & Co., Holyoke, Mass.
Riverside Metal Co., Riverside, N. J.
ROEBLING'S JOHN A. SONS CO., Trenton, N. J. *See adv index at end of book*
Rome Wire Co., Rome, N. Y.
See adv index at end of book
Seneca Wire & Mfg. Co., Fostoria, Ohio
Washburn Wire Co., Phillipsdale, R. I.

16899—Wire (Asbestos Covered)

(Names with * also manufacture Monel Metal)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Ansonia Electrical Co., 55H Main, Ansonia, Conn.
*Beckley Perforating Co., Garwood, N. J.
Boston Insulated Wire & Cable Co. ("B. I. W."), 65 Bay, Boston, Mass.
*Cleveland Wire Cloth Co., Cleveland, O.
Crofoot Gear Co. Inc., Readville, Mass.
D. & W. Fuse Co. ("Deltabeston"), Hathaway, Providence, R. I.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Habirshaw Electric Cable Co. ("Habirshaw"), 10 E 43rd, New York
*Hendrick Mfg. Co., Carbondale, Pa.
*Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
Independent Lamp & Wire Co., 1733 B'way, New York
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp., C. O., Southport, Conn.
Johns-Manville H. W. Co., Madison av & 41st, New York
Keasbey & Mattison Co., Ambler, Pa.
*Magosy & Buscher, 232 Canal, New York
*Munning & Co., A. P., Matawan, N. J.
Railroad Supply Co., 203 S Dearborn, Chicago, Ill.
Rockbestos Products Corp. ("Rockbestos"), New Haven, Conn.
Roebling's John & Sons Co., Trenton, N. J.
See adv index at end of book
Rome Wire Co., Rome, N. Y.
See adv index at end of book
*Sholes, Inc., 186 Lafayette, New York
*Smith & Co., John P., New Haven, Conn.
Standard Underground Cable Co., 17th & Pike, Pittsburgh, Pa.
*Steel Products Mfg. Co., Cicero, Ill.
*Taylor Disc Co., Mansfield, O.
*Tyler Co., W. S., Cleveland, O.

16900—Wire (Automobile & Motor Boat)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
American Steel & Wire Co. (& Cables), 208 S La Salle, Chicago, Ill.
See adv index at end of book
Ansonia Electrical Co., 55H Main, Ansonia, Conn.
Belden Mfg. Co., 2316 S Western av, Chicago, Ill.
Bishop Gutta Percha Co., 420 W 25th, New York
Boston Insulated Wire & Cable Co. ("B. I. W."), 65 Bay, Boston, Mass.
Detroit Insulated Wire Co. (Auto), Dept. H. Wesson & Albert, Detroit, Mich.
Goodrich B. F. Co., Akron, O.
Habirshaw Electric Cable Co. ("Habirshaw"), 10 E 43rd, New York
Indiana Rubber Ins. Wire Co., Jonesboro, Ind.
Lowell Insulated Wire Co., Lowell, Mass.
New England Cable Co., Concord, N. H.

(Continued on following page)

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Magnet Wire
Mining Machine Cable
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Trolley Wire
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Rod (Copper)
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WIRE-ROME

Wire (Automobile & Motor Boat)—Continued

N. Y. Insulated Wire Co., 114 Liberty, New York
Okonite Co., Passaic, N. J.
Packard Electric Co., Dana av, Warren, O.
Phila. Insulated Wire Co., 200 N 3rd, Phila., Pa.
ROME WIRE CO., Rome, N. Y.
See adv index at end of book
Safety Ins. Wire & Cable Co., 114 Liberty, New York
Standard Underground Cable Co., 17th & Pike, Pittsburgh, Pa.
Whitney-Blake Co., Dixwell, Treadwell & Hamden, New Haven, Conn.

16901— Wire (Barbed)

AMERICAN STEEL & WIRE CO. ("American Glidden," "Lyman," "Ellwood Junior," "Ellwood Glidden," "American Special," "Baker Perfect," "Waukegaw"), 208 S La Salle, Chicago, Ill. *See adv index at end of book*
Atlantic Steel Co. (Steel), Atlanta, Ga.
Belfont Iron Works Co., Ironton, O.
Bethlehem Steel Co., Bethlehem, Pa.
Colorado Fuel & Iron Co. (Plain & Galvanized), Denver, Colo.
Columbia Steel Corp., 351 California, San Francisco, Cal.
Crawfordsville Wire & Nail Co., Crawfordsville, Ind.
Cyclone Fence Co., Waukegan, Ill.
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Frost Superior Fence Co., E 131st, Cleveland, O.
Gulf States Steel Co., Birmingham, Ala.
Igoe Brothers, 61-73 Metropolitan av, Brooklyn, N. Y.
Indiana Steel & Wire Co. (Galvanized), Muncie, Ind.
Interstate Iron & Steel Co., 104 S Michigan, Chicago, Ill.
Jones & Laughlin Steel Co., Ross, Pittsburgh, Pa.
Kelly Nail & Iron Co., Ironton, O.
KEYSTONE STEEL & WIRE CO. (The "Red Strand" Hog, Field & Poultry Fence), Peoria, Ill.
Kitselman Bros., Muncie, Ind.
Knapp Fence Co., 152 E 134th, Cleveland, Ohio
Kokomo Steel & Wire Co., Kokomo, Ind.
LARKIN J. K. & CO., 253 B'way, New York *See adv index at end of book*
Nichols Wire & Sheet Co., 21st & Baltimore, Kansas City, Mo.
Northwestern Barb Wire Co., Sterling, Ill.
Norton Iron Works, Ashland, Ky.
Page Steel & Wire Co., Adrian, Mich.
Pittsburgh Steel Co. ("Pittsburgh Perfect" Steel Galvanized & Painted), 5th av & Grant, Pittsburgh, Pa.
Shelby Wire Co., Dept. H, Shelby, O.
Veithardt Steel & Metal Corp., 15 Park row, New York
Wilson Steel Products Co., Dept. H, 49th & Western av, Chicago, Ill.
Youngstown Sheet & Tube Co. ("Youngstown"), Youngstown, O.

16901a—Wire Binders (Box)

CONSOLIDATED STEEL STRAPPING CO. (Loop-the-Loop System, cannot pull out), 2600-20 N Western av, Chicago, Ill.
See adv index at end of book

16901b— Wire (Bonnet)

Wilson Steel Products Co., Dept. H, 49th & Western av, Chicago, Ill.

16902—Wire (Bookbinders')

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Chicago Steel & Wire Co. (Stitching), 10257 Torrence av, Chicago, Ill.
Larkin J. K. & Co., 253 B'way, New York
See adv index at end of book
Morrison J. L. Co., Niagara Falls, N. Y.
Prentiss G. W. & Co., Holyoke, Mass.
ROEBLING'S JOHN A. SONS CO., Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book
Seneca Wire & Mfg. Co., Fostoria, Ohio
Wickwire Spencer Steel Corp. ("Eclipse"), 41 E. 42nd, New York
See adv index at end of book
Wilson Steel Products Co., Dept. H, 49th & Western av, Chicago, Ill.

16903— Wire (Braided)

Driver-Harris Co., Harrison, N. J.
See adv index at end of book
Kokomo Steel & Wire Co. (Made From Four Wires Braided), Kokomo, Ind.

16903a—Wire (Braided Copper)

Barker Bros., Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book

16904—Wire (Brass & Bronze Screw)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
AMERICAN BRASS CO., Waterbury, Conn.
See adv index at end of book
Hough W. S. Co., Dept. H, Attleboro, Mass.
Newark Wire Cloth Co., 359-371 Verona av, Newark, N. J.
Riverside Metal Co., Riverside, N. J.
Stevenson Bro. & Co., 110 Race, Phila., Pa.

16905—Wire (Brass & Copper)

ALLOY METAL WIRE CO., Moore, Pa.
See adv index at end of book
Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
AMERICAN BRASS CO., Waterbury, Conn.
See adv index at end of book
American Electrical Works ("Amelectric" Copper Wire & Cables for Electrical Use), Phillipsdale, R. I.
Am. Insulated Wire & Cable Co., 954H W 21st, Chicago, Ill.
American Steel & Wire Co., 208 S La Salle, Chicago, Ill. *See adv index at end of book*
Amos Chas. & Co., Inc., 2990-3000 Hart av, Detroit, Mich.
Babbitt L. L. (Fire Wires), Clayville, N. Y.
Bridgeport Brass Co. (Brass Only), E Main, Dept. H, Bridgeport, Conn.
Bridgeport Chain Co. (Brass Spring), 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Bristol Brass Co. (Brass Only), Bristol, Conn.
Cary Spring Works (Brass for Springs), 240 W 29th, New York
Chase Metal Works, Div. Chase Co.'s., Inc. ("Chase," Also Bronze), Waterbury, Conn.
Chase Rolling Mills, Div. Chase Companies, Inc. ("Chase," Also Bronze), Waterbury, Conn.
Chicago Insulated Wire Co., 53 W Jackson blvd, Chicago, Ill.
Chicago Steel & Wire Co., 10257 Torrence av, Chicago, Ill.
CONKLIN T. E. BRASS & COPPER CO., 54-60 Lafayette, New York
See adv index at end of book

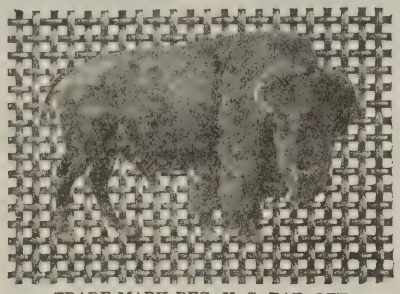
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Detroit Copper & Brass Rolling Mills, Clark av, nr Wabash R. R., Detroit, Mich.
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Driver-Harris Co., Harrison, N. J.
See adv index at end of book
Eastwood Wire Mfg. Co., Belleville, N. J.
Foley F. W. (Copper), Dollar Bay, Mich.
Habirshaw Electric Cable Co. ("Habirshaw" Copper Only), 10 E 43rd, New York
Halstead Wire Co., Rome, N. Y.
Harris Frederick T. (Brass Only), 69 Sprague, Providence, R. I.
Hartley Geo. (Fine Brass), Waterbury, Conn.
Haven R. H. & Son, Bridge & Front, Grand Rapids, Mich.
Hough W. S. Co., Dept. H, Attleboro, Mass.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Igoe Brothers (Bronze), 61-73 Metropolitan av, Brooklyn, N. Y.
See adv index at end of book
Illinois Wire & Cable Co. ("Illinois" Brass), Syracuse, Ill.
Keystone Ornamental Iron & Bronze Wks. (Brass), 830 Howard, San Francisco, Cal.
Manhattan Brass Co. (Brass & Bronze), 332 E 28th, New York
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
Michigan Copper & Brass Co., 5841 W Jefferson av, Detroit, Mich.
MICHIGAN WIRE CLOTH CO., 2100 Howard, Detroit, Mich.
See adv index at end of book
National Brass & Copper Tube Co., 30 Church, New York
National Conduit & Cable Co. (Copper Wire & Cable), Hastings-on-Hudson, N. Y.
Newark Wire Cloth Co., 359-371 Verona av, Newark, N. J.
North American Copper Co., 52 Vanderbilt av, New York
Phillips Wire Co. (Copper), Pawtucket, R. I.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Randolph-Clowes Co. (High & Low Brass Only), Waterbury, Conn.
Riverside Metal Co. (Brass), Riverside, N. J.
ROEBLING'S JOHN A. SONS CO., Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book
Rome Brass & Copper Co., Rome, N. Y.
ROME WIRE CO. ("Rome Wire") (Copper Only), Rome, N. Y.
See adv index at end of book
SCOVILL MFG. CO. (Brass Only), Waterbury, Conn. *See adv index at end of book*
Seymour Mfg. Co. (Brass), Seymour, Conn

(*Continued on page 2252*)

Buffalo WIRE

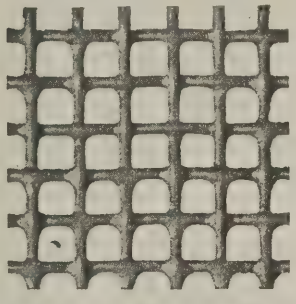
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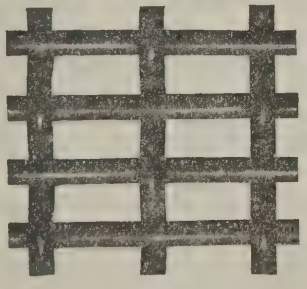


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- Wire Roof Signs,
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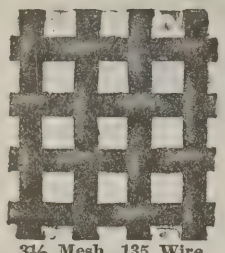
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Spargo Wire Co. (Copper Only, Fine Sizes a Specialty), Rome, N. Y.
Standard Underground Cable Co. (Copper For Electrical Use), 17th & Pike, Pittsburgh, Pa.
Stimpson Edwin B. Co. (Flat & Coiled), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.
Washburn Wire Co. (Electric Copper), Phillipsdale, R. I.
Whitehead Metal Products Co. of N. Y., Inc., 261-7 Canal, New York, & 43 N. 7th, Phila., Pa.
See adv index at end of book
Wilson Steel Products Co. (Copper), Dept. H, 49th & Western av, Chicago, Ill.

16905a— Wire (Brazing)

American Brass Co., Waterbury, Conn.
For Branch Offices see adv index at end of book
American Steel Co., H, Park bldg, Pittsburgh, Pa.
Seneca Wire & Mfg. Co., Fostoria, O.

Wire (Bright Market)

See Wire, Market

16906— Wire (Bronze)

Alloy Metal Wire Co., Moore, Pa.
See adv index at end of book
Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
AMERICAN BRASS CO., Waterbury, Conn.
For branch offices see adv index at end of book
Bridgeport Brass Co., Dept. H, E Main, Bridgeport, Conn.
Bristol Brass Co., Bristol, Conn.
Cary Spring Works (For Springs), 240 W 29th, New York
CONKLIN T. E. BRASS & COPPER CO., 54-60 Lafayette, New York
See adv index at end of book
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Detroit Copper & Brass Rolling Mills, Clark av nr Wabash RR, Detroit, Mich.
Gilby Wire Co., 108 Adams, Newark, N. J.
Hough W. S. Co. (Phosphor Bronze), Dept H, Attleboro, Mass.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Michigan Copper & Brass Co., 5841 W Jefferson av, Detroit, Mich.
MICHIGAN WIRE CLOTH CO., 2100 Howard, Detroit, Mich.
See adv index at end of book
Riverside Metal Co., Riverside, N. J.
Rome Brass & Copper Co., Rome, N. Y.
Rome Wire Co. ("Rome Wire"), Rome, N. Y. *See adv index at end of book*
Scovill Mfg. Co., Waterbury, Conn.
See adv index at end of book
Standard Underground Cable Co., 17th & Pike, Pittsburgh, Pa.
United Smelting & Aluminum Co., Inc. 183-189 Commerce, New Haven, Conn
Vanadium Metals Co., Vanadium bldg, Pittsburgh, Pa.

16907—Wire (Broom & Brush)

Alloy Metal Wire Co., Moore, Pa.
See adv index at end of book
Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
Am. Steel Co., H, Park bldg, Pittsburgh, Pa.
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Babbitt L. L. (Brush Makers' Drawing Wire, Brass, Copper, German Silver, Steel, Scratch Brush Wire, etc), Clayville, N. Y.
Chicago Steel & Wire Co. (Broom), 10257 Torrence av, Chicago, Ill.
Darby Edw. J. & Son (Steel Wire), 319 Vine, Phila., Pa.
See adv index at end of book
Gilby Wire Co., 108 Adams, Newark, N. J.
Hartley Geo. (Brass & Steel Scratch), Waterbury, Conn.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Igoe Bros., 61-73 Metropolitan av, Bklyn., N. Y. *See adv index at end of book*
LARKIN J. K. & CO. (Broom), 253 B'way, New York ***See adv index at end of book***
Miller A. P. Supply Co., Inc., 441 W 16th, New York
Newman C. Wire Co., 25 Church, New York
Paxson J. W. Co., Dept H, Nicetown Lane & D, Phila., Pa.
Prentiss G. W. & Co., Holyoke, Mass.
SENECA WIRE & MFG. CO. (Steel & Woven Wire), Fostoria, O.
Washburn Wire Co., Phillipsdale, R. I.
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*
Wilson Steel Products Co., Dept. H, 49th & Western av, Chicago, Ill.

16908—Wire (Brush Drawing)

Alloy Metal Wire Co., Moore, Pa.
See adv index at end of book
Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
Bridgeport Screw Co., Union av, Bridgeport, Conn.
Gilby Wire Co., 108 Adams, Newark, N. J.
Seneca Wire & Mfg. Co., Fostoria, Ohio
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*

16909— Wire (Cable)

A-A Wire Co. Inc. ("A-A" New Code, "A-A Red" Intermediate, "A-A 30 per cent" Rubber Covered), 48 Nesbitt, Newark, N. J.
Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
Am. Insulated Wire & Cable Co. (Weatherproof), 954H W 21st, Chicago, Ill.
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Ansonia Electrical Co., 55H Main, Ansonia, Conn.
Ashland Electric Co., 1517 Haddon av, Chicago, Ill.
Belden Mfg. Co., 2316 S Western av, Chicago, Ill.
California Wire Co., Orange, Cal.
Chicago Insulated Wire & Mfg. Co. ("1885"), Sycamore, Ill.
FRICK & LINDSAY CO. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Habirshaw Electric Cable Co. ("Habirshaw," "Ecco" Code), 10 E 43rd, New York
Illinois Wire & Cable Co. (("Illinois"), Sycamore, Ill.
Indiana Rubber & Insulated Wire Co. (Insulated), P. O. Box 192, Jonesboro, Ind.
Larkin J. K. & Co., 253 B'way, New York
See adv index at end of book
Moon Geo. Co., Garwood, N. J.
New England Electrical Works, Lisbon, N. H.
Rockbestos Products Corp. ("Rockbestos" Insulated), New Haven, Conn.
Roebling's John A. Sons Co. ("Roebling"), Trenton, N. J.
See adv index at end of book
Safety Insulated Wire & Cable Co., 114 Liberty, New York
SENECA WIRE & MFG. CO., Fostoria, O.
Standard Underground Cable Co., 17th & Pike, Pittsburgh, Pa.
Whitney Blake Co. (Insulated),, Dixwell av & Treadwell, New Haven, Conn.

16910—Wire Cables (Copper)

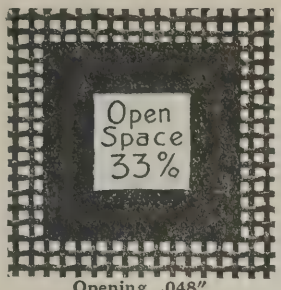
Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
American Electrical Works, Phillipsdale, R. I.
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Ansonia Electrical Co., 55H Main, Ansonia, Conn.
Collyer Insulated Wire Co. ("I. & L."), Pawtucket, R. I.
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
Habirshaw Electric Cable Co. ("Habirshaw"), 10 E 43rd, New York
Hazard Mfg. Co., Wilkes-Barre, Pa.
Illinois Wire & Cable Co. ("Illinois"), Sycamore, Ill.
Phillips Wire Co., Pawtucket, R. I.
ROEBLING'S JOHN A. SONS CO., Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book
Simplex Wire & Cable Co. ("Sincore"). 201 Devonshire, Boston, Mass.
Standard Underground Cable Co., 17th & Pike, Pittsburgh, Pa.
Upson-Walton Co., 1294 W 11th, Cleveland, O.

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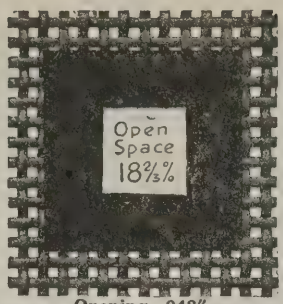
Brass, Copper, Steel, Galvanized Monel Metal and Phosphor Bronze

PENNSYLVANIA WIRE WORKS

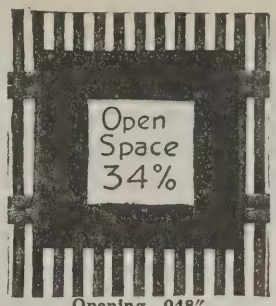
EDWARD J. DARBY & SON 319 VINE STREET **Philadelphia, Pa.**



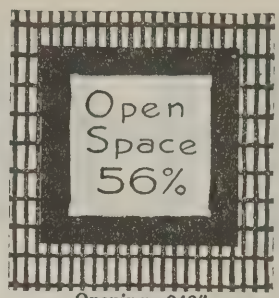
Opening .048"



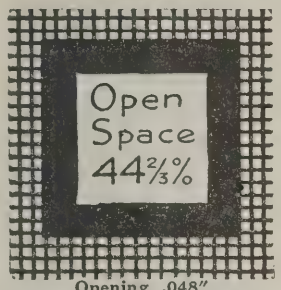
Opening .048"



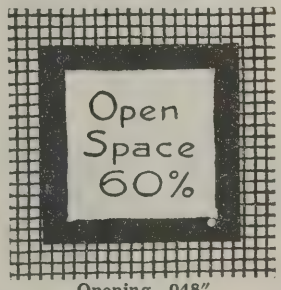
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Opening .048"



Opening .048"



Opening .048"

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16911— Wire (Canvasite)

Habirshaw Electric Cable Co. ("Habirshaw"), 10 E 43rd, New York
Rome Wire Co., Rome, N. Y.
See adv index at end of book
Safety Insulated Wire & Cable Co., 114 Liberty, N. Y.
Standard Underground Cable Co., 17th & Pike, Pittsburgh, Pa.

16912— Wire (Car Seal)

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Igoe Brothers, 61-73 Metropolitan av, Brooklyn, N. Y.
See adv index at end of book
ROEBLING'S JOHN A. SONS CO., Trenton, N. J. *See adv index at end of book*
Seneca Wire & Mfg. Co., Fostoria, O.
Upson-Walton Co., 1294 W 11th, Cleveland, O.
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*
Wilson Steel Products Co., Dept. H, 49th & Western av, Chicago, Ill.

16912a— Wire (Carburetor)

Alloy Metal Wire Co., Moore, Pa.
See adv index at end of book
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Electrical Alloy Corp., Morristown, N. J.

16913— Wire (Card)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Bethlehem Steel Co., Bethlehem, Pa.
Prentiss Geo. W. & Co., Holyoke, Mass.
ROEBLING'S JOHN A. SONS CO. Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book
Seneca Wire & Mfg. Co., Fostoria, O.
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*

16914— Wire (Chain)

American Steel Co., Park bldg, Pittsburgh, Pa.
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Bethlehem Steel Co., Bethlehem, Pa.
Channon James H. Mfg. Co., 227H W Erie, Chicago, Ill.
Driscoll Wire Col, Shelton, Conn.
Gem Stopper Co., 2120 Nicholas, Phila., Pa.
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*

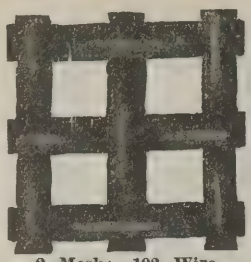
16915—Wire (Check Rower)

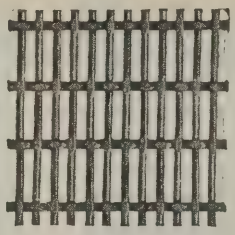
Bethlehem Steel Co., Bethlehem, Pa.
Chambers, Bering Quinlan Co., Decatur, Ill
Faries Mfg. Co., Decatur, Ill.
Wilson Steel Products Co., Dept. H, 49th & Western av, Chicago, Ill.
Youngstown Sheet & Tube Co. ("Youngstown"), Youngstown, O.

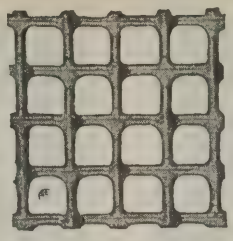
16916— Wire Cloth

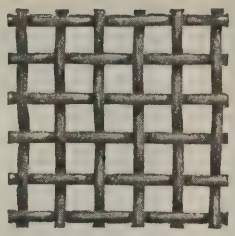
Abbe Paul O. Inc., 924 Johnston bldg, New York *See adv index at end of book*
Acme Fancy Wire Wks., Dept. H, Canfield & Morgan, Detroit, Mich.
Allen L. H., Amherst, Mass.
Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
American Wire Fabrics Co. (Screen Cloth, etc), 208 S La Salle, Chicago, Ill.
Amos Chas. & Co. Inc., 2990-3000 Hart av, Detroit, Mich.
Audubon Wire Cloth Co., Inc., Audubon, N. J.
Badger Wire & Iron Works, 25th av & Cleveland, Milwaukee, Wis.
Barbee Wire & Iron Works, Lafayette, Ind.
Barnard & Leas Mfg. Co. (Bolting), 403 20th, Moline, Ill.
Barnum E. T. Iron & Wire Wks., 501-23 Cass av, Detroit, Mich.
Belmer H. Co., 628 W 3d, Cincinnati, O.
Bennett Wire Co., Inc., 7 E 42nd, New York
Bigelow-Cheney Wire Works, 417 Liberty, Springfield, Mass.
BUFFALO WIRE CLOTH CO., 453 Terrace, Buffalo, N. Y.
See adv index at end of book
Cabble Wm. Excelsior Wire Mfg Co., (Brass), 88 Ainslie, Brooklyn, N. Y.
California Wire Cloth Co., 1001 22d av, Oakland, Cal.
Cincinnati Mfg. Co., Cincinnati, O.
CLEVELAND WIRE CLOTH & MFG. CO., 3574 E 78th, Cleveland, O.
See adv index at end of book
Cole-Roscoe Mfg. Co., So. Norwalk, Conn.
Conklin T. E. Brass & Copper Co., 64 Lafayette, New York
See adv index at end of book
DARBY EDW. J. & SON ("Pennsylvania" Wire Cloth in Steel Galvanized, Brass, Copper, Bronze and Monel Metal for every industrial use—Accurate as to size and count), 319 Vine, Phila., Pa.
See adv index at end of book
Driver-Harris Co. ("Nichrome"), Harrison, N. J. *See adv index at end of book*
Dufur & Co., 311 N Howard, Baltimore, Md.
Eastwood Wire Mfg. Co. (Brass & Copper), Belleville, N. J.
Electrical Alloy Company (Filter Cloth), Morristown, N. J.
Estey Wire Works Co., 34 Cliff, New York
Gilbert & Bennett Mfg. Co. ("Pearl"), Georgetown, Conn.
Gump B. F. Co., 431 S Clinton, Chicago, Ill
Hanover Wire Cloth Co., Hanover, Pa.
Howard & Morse, 45 Fulton, New York
Jelliff C. O. Mfg. Corp., Box 68, Southport, Conn.
Keystone Wire Cloth Co., Hanover, Pa.
Lasar Mfg. Co., 16th & O'Fallon, St. Louis, Mo.
Lindsay Wire Weaving Co., 14025 Aspinwall, Cleveland, O.
Ludlow-Saylor Wire Co., 600-640 S Newstead av, St. Louis, Mo.
See adv index at end of book
Meyers Fred. J. Mfg. Co., Hamilton, O.
MICHIGAN WIRE CLOTH CO. (All Kinds), 2100 Howard, Detroit, Mich.
See adv index at end of book
Morss & Whyte Co., Sidney & Pilgrim, Cambridge, Mass.
Multi-Metal Co. (Of Precision, Up to 250 Meshes per inch), 801 E. 139th, New York
Newark Wire Cloth Co. (Fine Mesh, up to No. 350), 223 Verona av, Newark, N. J.
NEW JERSEY WIRE CLOTH CO. (("Jersey"), Trenton, N. J.
See adv index at end of book
O'Neill Joseph Wire Wks., Port Chester, N. Y.
Pacific Wire Rope Co. (("Pacific"), 1840 E. 15th, Los Angeles, Cal.
Pacific Wire & Plating Works, 4515 6th av S, Seattle, Wash.
Phoenix Wire Wks., Kirby & Dequindre, Detroit, Mich.
Plocher, Andrew Sons Co., Dayton, O.
Reynolds Wire Co., Dixon, Ill.
Rhode Island Wire Works, 45 Willard av, Providence, R. I.
Robinson H. Mfg. Co., Muncy, Pa.

(Continued on following page)

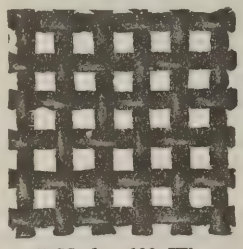

2 Mesh; .192 Wire


No. 63 Ton-Cap


4 Mesh; .047 Galvanized


5 Mesh; .063 Wire

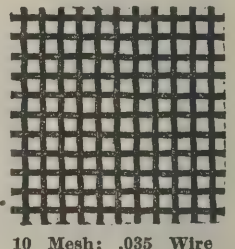

14 x 40 Mesh; Tinned Twilled Copper


5 Mesh; .092 Wire

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Rolled Wire Cloth		

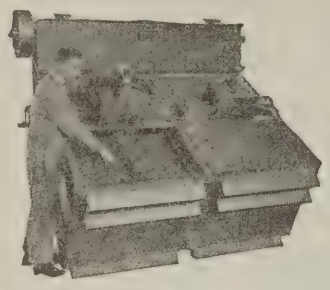
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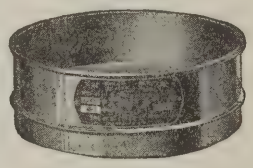

10 Mesh; .035 Wire

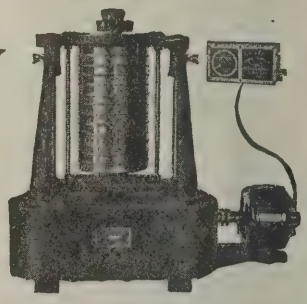
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SMITH F. P. WIRE & IRON WORKS, 2340-48 Clybourn av, Chicago, Ill.
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Smith John P. & Co. (All Metals), New Haven, Conn.

Smith T. S., 269 Pearl, New York

Spargo Wire Co. (Copper & Bronze), Rome, N. Y.

Sprout, Waldron & Co., Muncy, Pa.
See adv index at end of book

Standard Wire Cloth & Screen Co., York, Pa.

Success Mfg. Co. ("Perfection," "Triumph"), Gloucester, Mass.

Syracuse Wire Works, 101 University av, Syracuse, N. Y.

Taylor & Dean, Penn av & 25th, Pittsburg, Pa.

Twin City Iron & Wire Co., 25 W. Water, St. Paul, Minn.

TYLER W. S. CO., Cleveland, O.
See adv index at end of book

Voss Frederick, 552 W Monroe, Chicago, Ill.

West Coast Wire & Iron Works, 861 Howard, San Francisco, Cal.

What Cheer Wire Works, 157 Dorrance, Providence, R. I.

White Wire Works Co., Rochester, N. Y.

Whitehead Metal Products Co. (Brass, Bronze & Copper), 67-73 Washington N Boston, Mass.
See adv index at end of book

Whitehead Metal Products Co. of N. Y., Inc. (Brass, Bronze, Copper); 261-7 Canal, New York, & 43 N. 7th, Phila., Pa. *See adv index at end of book*

Whyte Oliver & Co., 73 Cornhill, Boston, Mass.

Wickwire Bros. ("Cortland" Window Screens), Cortland, N. Y.

WICKWIRE SPENCER STEEL CORP. ("Clinton"), 41 E. 42nd, New York
See adv index at end of book

Williams Geo. A. & Son, 85 Fulton, New York

Wisconsin Wire Works (Brass & Bronze), Appleton, Wis.

Wright G. F. Steel & Wire Co., 243 Stafford, Worcester, Mass.

16917—Wire Cloth (Brass, Bronze & Copper)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York

American Wire Fabrics Co. (Screen), 208 S La Salle, Chicago, Ill.

Appleton Wire Works, Appleton, Wis.

Bennett Wire Co., Inc., 7 E 42nd, New York

Bigelow, Cheney Wire Works, 417 Liberty, Springfield, Mass.

Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y. *See adv index at end of book*

California Wire Cloth Co., 1001 22nd Ave., Oakland, Calif.

Cleveland Wire Cloth & Mfg. Co., 3574 E 78th, Cleveland, O.
See adv index at end of book

Conklin T. E. Brass & Copper Co. (For Windows & Doors), 64 Lafayette, New York

DARBY EDW. J. & SONS, 319 Vine, Phila., Pa. *See adv index at end of book*

Dufur & Co., 811 N Howard, Baltimore, Md.

Eastwood Wire Mfg. Co., ("Perfection"), Belleville, N. J.

Estey Wire Works Co., 34 Cliff, New York

Gilbert & Bennett Mfg. Co., Georgetown, Conn.

Howard & Morse, 45 Fulton, New York

Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York

Jelliff C. O. Mfg. Corp., Box 68, South-port, Conn.

LUDLOW-SAYLOR WIRE CO. (Strainer & Ventilator), 600-640 S Newstead av, St. Louis, Mo.
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Merchant & Evans Co., Washington av & 21st, Phila., Pa.

Meyers Fred. J. Mfg. Co., Hamilton, O.

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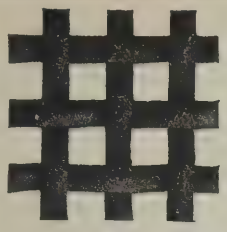
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MICHIGAN WIRE CLOTH CO., 2100 Howard, Detroit, Mich.
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Multi-Metal Co. (Of Precision, Up to 350 Meshes per inch), 801 E 139th, New York

Newark Wire Cloth Co., 223 Verona av, Newark, N. J.

NEW JERSEY WIRE CLOTH CO., Trenton, N. J. *See adv index at end of book*

SMITH F. P. WIRE & IRON WORKS,
See adv index at end of book

Spargo Wire Co., Rome, N. Y.

Standard Wire Cloth & Screen Co. (Bronze), York, Pa.

TYLER W. S. CO., Cleveland, O.
See adv index at end of book

Whitehead Metal Products Co. of N. Y., Inc., 261-7 Canal, New York, & 43 N. 7th, Phila., Pa.
See adv index at end of book

Wickwire Bros. (Bronze Only), 189 Main, Cortland, N. Y.

WICKWIRE SPENCER STEEL CORP., Worcester, Mass.
See adv index at end of book

Wisconsin Wire Works, Appleton, Wis.

16918-19—Wire Cloth (Centrifugal & Filter Cloth)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York

Bennett Wire Co., Inc., 7 E 42nd, New York

Cleveland Wire Cloth & Mfg. Co., 3574 E 78th, Cleveland, O.
See adv index at end of book

Darby Edw. J. & Sons, 319 Vine, Phila., Pa.
See adv index at end of book

Estey Wire Works Co., 34 Cliff, New York

Jelliff C. O. Mfg. Corp., Box 68, Southport, Conn.

LUDLOW-SAYLOR WIRE CO. (Filter), 600-640 S Newstead av, St. Louis, Mo.
See adv index at end of book

Newark Wire Cloth Co., 223 Verona av, Newark, N. J.

NEW JERSEY WIRE CLOTH CO., Trenton, N. J.
See adv index at end of book

O'Neill Joseph Wire Wks., Port Chester, N. Y.

Supplee-Biddle Hardware Co., 510 Commerce, Phila., Pa.

Tyler, W. S. Co., Cleveland, Ohio
See adv index at end of book

16920—Wire Cloth (Monel Metal)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York

Beckley Perforating Co., Garwood, N. J.

Bennett Wire Co., Inc., 7 E 42nd, New York

CLEVELAND WIRE CLOTH & MFG. CO., 3574 E. 78th, Cleveland, Ohio
See adv index at end of book

Darby Edw. J. & Sons, 319 Vine, Phila., Pa. *See adv index at end of book*

Estey Bros. Co., 270 Union ave., Brooklyn, N. Y.

Estey Wire Works Co., 34 Cliff, New York

Hendrick Mfg. Co., Carbondale, Pa.

Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.

Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York

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Ludlow-Saylor Wire Co., 600-640 S Newstead av, St. Louis, Mo.
See adv index at end of book

Magosy & Buscher, 232 Canal, New York

MICHIGAN WIRE CLOTH CO., 2100 Howard, Detroit, Mich.
See adv index at end of book

Munning & Co., A. P., Matawan, N. J.

Newark Wire Cloth Co. (Filter), 223 Verona av, Newark, N. J.

O'Neill Joseph Wire Wks., Port Chester, N. Y.

Sholes, Inc., 186 Lafayette, New York

Smith & Co., John P., New Haven, Conn.

Steel Products Mfg. Co., Cicero, Ill.

Supplee-Biddle Hardware Co., 510 Commerce, Phila., Pa.

Taylor Disc Co., Mansfield, O.

Tyler, W. S. Co., Cleveland, O.
See adv index at end of book

16920a— Wire Cloth (Nickel)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York

Bennett Wire Co., Inc., 7 E 42nd, New York

Darby Edw. J. & Sons, 319 Vine, Phila., Pa. *See adv index at end of book*

Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York

Ludlow-Saylor Wire Co., 600-640 S. Newstead av, St. Louis, Mo.
See adv index at end of book

Newark Wire Cloth Co., 223 Verona av, Newark, N. J.

NEW JERSEY WIRE CLOTH CO., Trenton, N. J.
See adv index at end of book

O'Neill Joseph Wire Works ("Durable"), Factory Place, Port Chester, N. Y.

Tyler W. S. Co., Cleveland, O.
See adv index at end of book

16920a-1—Wire Cloth (Nickel Silver)

Bennett Wire Co., Inc., 7 E 42nd, New York

Multi-Metal Co. (Up to 350 Mesh per inch), 801 E 139th, New York

Newark Wire Cloth Co., 223 Verona av, Newark, N. J.

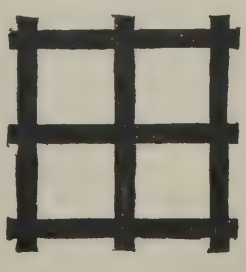
O'Neill Joseph Wire Wks., Port Chester, N. Y.

16920b— Wire Cloth (Platinum)

Darby Edw. J. & Sons, 319 Vine, Phila., Pa.
See adv index at end of book

Estey Bros. Co., 270 Union av, Brooklyn, N. Y.

(Continued on following page)

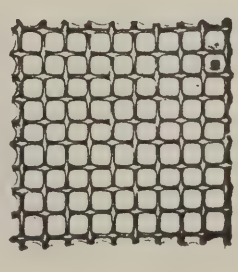


CLINTON WIRE CLOTH

OF ALL KINDS FOR ALL PURPOSES

Plain Galvanized Brass Bronze Copper

Clinton Wire Lathing—plain, painted, or galvanized; stiffened or unstiffened



Wickwire Spencer Steel Corporation

41 East 42nd Street, New York

Offices and Warehouses

Worcester Buffalo Philadelphia Detroit Chicago San Francisco Los Angeles

Wire Cloth (Platinum)—Continued

Jelliff C. O. Mfg. Corp., Box 68, Southport, Conn.
Newark Wire Cloth Co., 223 Verona av, Newark, N. J.

16920c— Wire Cloth (Rolled)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
CLEVELAND WIRE CLOTH & MFG. CO. (THE), (Rolled Slot & Square Mesh), 3574 E 78th, Cleveland, O.
See adv index at end of book
Tyler W. S. Co., Cleveland, O.
See adv index at end of book

Wire Cloth (Steel & Iron)

See Wire Cloth

16920d— Wire Cloth (Twilled)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
Bennett Wire Co., Inc., 7 E 42nd, New York
Cleveland Wire Cloth & Mfg. Co., 3574 E 78th, Cleveland, O.
See adv index at end of book
Darby Edw. J. & Sons, 319 Vine, Phila., Pa.
See adv index at end of book
Jelliff C. O. Mfg. Corp., Box 68, Southport, Conn.
Newark Wire Cloth Co., 223 Verona av, Newark, N. J.
NEW JERSEY WIRE CLOTH CO., Trenton, N. J.
See adv index at end of book
O'Neill Joseph Wire Wks., Port Chester, N. Y.
Tyler W. S. Co., Cleveland, O.
See adv index at end of book

16921—Wire Cloth (Window Screen)

(Names with * also manufacture Monel Metal)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
American Wire Fabrics Co. (Painted, Galvanized, Black Enamel & Bright & Antique Bronze), 208 S La Salle, Chicago, Ill.
*Bennett Wire Co., Inc., 7 E 42nd, New York
*Buffalo Wire Co., Buffalo, N. Y.
California Wire Cloth Co., 1001 22nd Ave., Oakland, Cal.
*Cleveland Wire Cloth Co., Cleveland, O.
Conklin Brass & Copper Co., Inc., T. E., 54-60 Lafayette, New York
See adv index at end of book

Wire—Cloth Window Screen
Nearly three-quarters of a century serving the trade.
LARGE ASSORTED STOCK FOR IMMEDIATE DELIVERY
T. E. Conklin Brass & Copper Co., Inc.
54-60 Lafayette Street, New York
Established 1860 Tel. Franklyn 2900

Darby Edw. J. & Sons, 319 Vine, Phila., Pa.
See adv index at end of book
*Estey Wire Works Co., 34 Cliff, New York
*Greening Wire Co., B., Hamilton, Ont.
*Green Bay Wire Works, Green Bay, Wis.
Hanover Wire Cloth Co., Hanover, Pa.
Howard & Morse, 45 Fulton, New York
Hungerford U. T. Brass & Copper Co. ("Star" "Galvanique"), 86 Lafayette, New York
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
*Jelliff Mfg. Corp., C. O., Southport, Conn.
*Johnson & Sons, Ltd., C. H., Montreal, Que.
LUDLOW-SAYLOR WIRE CO. ("Perfect" Bronze), 600-640 S Newstead av, St. Louis, Mo.
See adv index at end of book
MICHIGAN WIRE CLOTH CO., 2100 Howard, Detroit, Mich.
See adv index at end of book
*Multi Metals Co., 251 W 19th, New York
*Newark Wire Cloth Co., The, Newark, N. J.
New Jersey Wire Cloth Co. ("Adamant," "Diamond," "Ebony," "Jersey" Copper Insect Screen Wire Cloth), Trenton, N. J. *See adv index at end of book*
New York Wire Cloth Co. ("Opal"), 342 Madison av, New York. Factory: York, Pa.
*O'Neill Wire Wks. of Ohio, The, Newark, O.
*O'Neill Wire Works, Joseph, Port Chester, N. Y.
Pacific Wire Rope Co., 1840 E 15th, Los Angeles, Cal.
Palmer L. E. Co., Middletown, Conn.
*Pearson, Peppard Co., Inc., 68 Beaver, New York
*Phoenix Wire Works, Detroit, Mich.
Reynolds Wire Co., Dixon, Ill.
*Sholes, Inc., 186 Lafayette, New York
Spargo Wire Co. ("Spargo" Copper & Bronze), Rome, N. Y.
Standard Wire Cloth & Screen Co., York, Pa.
*Surpless, Dunn Co., 74 Murray, New York
Tuco Products Corp., 30 Church, New York
*Tyler W. S. Co., Cleveland, O.
See adv index at end of book
*United Filters Corp., Hazleton, Pa.
Wickwire Bros. (Painted, Bronze, Galvanized, Galvo Black), Cortland, N. Y.
WICKWIRE SPENCER STEEL CORP. ("Clinton"), 41 E 42nd, New York
See adv index at end of book

16922—Wire (Coiled Spring)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Cary Spring Works, 240 W 29th, New York
Darby Edw. J. & Sons, 319 Vine, Phila., Pa.
See adv index at end of book
Fischer Chas. Spring Co., 240 Kent av, Brooklyn, N. Y.
Frost Superior Fence Co., E 131st, Cleveland, O.
Indiana Steel & Wire Co., (Galvanized), Muncie, Ind.
Kokomo Steel & Wire Co., Kokomo, Ind.
Lee Spring Co., 353 Classon av, Brooklyn, N. Y. *See adv index at end of book*
Miller & Van Winkle, Inc., 20 Bridge, Brooklyn, N. Y.
See adv index at end of book
Newman C. Wire Co., 25 Church, New York
Pittsburgh Steel Co. ("Pittsburgh Perfect"), Pittsburgh, Pa.
Riverside Metal Co. (Phosphor Bronze), Riverside, N. J.
Standard Spring & Mfg. Co., 237 42nd, Brooklyn, N. Y.
See adv index at end of book
Washburn Wire Co., Phillipsdale, R. I.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.
Youngstown Sheet & Tube Co. ("Youngstown"), Youngstown, O.

16923—Wire (Cold Drawn Steel)

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Atlas Steel Corp., Dunkirk, N. Y.
Bethlehem Steel Co., Bethlehem, Pa.
Cary Spring Works, 240 W 29th, New York
Igoe Bros., 61-73 Metropolitan av, Brooklyn, N. Y. *See adv index at end of book*
Interstate Iron & Steel Co., 104-H S. Michigan Ave., Chicago, Ill.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Kidd Drawn Steel Co., Allquippa, Pa.
Kokomo Steel & Wire Co., Kokomo, Ind.
Ludlum Steel Co. (Cold Drawn Chrome Wire), Watervliet, N. Y.
Newman C. Wire Co., 25 Church, New York
Page Steel & Wire Co., Grand Central Terminal, New York
Peerless Drawn Steel Co. (High Carbon & Alloy Steels), Massillon, O.
Prentiss G. W. & Co., Holyoke, Mass.
Seneca Wire & Mfg. Co., Fostoria, O.
Townsend Co., New Brighton, Pa.
See adv index at end of book
Washburn Wire Co., Phillipsdale, R. I.
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.
Youngstown Sheet & Tube Co. ("Youngstown"), Youngstown, O.

16924—Wire (Cold Rolled)

American Steel Co. (Flat), Park Bldg., Pittsburgh, Pa.
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Gilby Wire Co., 108 Adams, Newark, N. J.
Newman C. Wire Co., 25 Church, New York
U. S. Steel & Wire Co., 773 Broad, Newark, N. J.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

16925—Wire (Connecting & Leading)

See also Blasting Supplies

Ansonia Electrical Co., 55-H Main, Ansonia, Conn.
Atlas Powder Co., Wilmington, Del.
DU PONT E. I. DE NEMOURS & CO. INC., Explosive & Smokeless Powder Depts. ("Du Pont" Electric. See Adv at Explosives), Wilmington, Del.
See adv index at end of book
Giant Powder Co. Cons., San Francisco, Cal.
Hercules Powder Co. (Electric), Wilmington, Del.

Wire (Copper)

See Wire, Brass & Copper

16926— Wire (Copper Clad)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
Copper Clad Steel Co. ("copperweld" Steel), Braddock, P. O., Rankin, Pa.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
STANDARD UNDERGROUND CABLE CO. 17th & Pike ("C. C. C."), Pittsburgh, Pa.
Steel Sales Corpn., Adams &. Jefferson, Chicago, Ill.
Youngstown Sheet & Tube Co., Youngstown, Ohio

16927—Wire (Copper Telephone)

American Electrical Works, Phillipsdale, R. I.
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Ansonia Electrical Co., 55-H Main, Ansonia, Conn.
Boston Insulated Wire & Cable Co. ("B. I. W."), 65 Bay, Boston, Mass.
Collyer Insulated Wire Co. ("I. & L."), Pawtucket, R. I.
Detroit Copper & Brass Rolling Mills, Clark av, nr Wabash RR, Detroit, Mich.
Detroit Insulated Wire Co., Wesson & Albert, Detroit, Mich.
Habirshaw Electric Cable Co. ("Habirshaw"), 10 E 43rd, New York
Illinois Wire & Cable Co. ("Illinois"), Sycamore, Ill.
Indiana Rubber & Insulated Wire Co. (Insulated), P. O. Box 192, Jonesboro, Ind.
North American Copper Co., 52 Vanderbilt av, New York
Phillips Wire Co., Pawtucket, R. I.
ROEBLING'S JOHN A. SONS CO., Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book
ROME WIRE CO. ("Rome Wire"), Rome, N. Y. *See adv index at end of book*
Safety Insulated Wire & Cable Co. (Rubber Insulated), 114 Liberty, New York
Simplex Wire & Cable Co. ("Simcore"), 201 Devonshire, Boston, Mass.
Standard Underground Cable Co., 17th & Pike, Pittsburgh, Pa.

16928— Wire (Coppered)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
Am. Copper Products Corp., Dept. H, Bayway & S Front, Elizabeth, N. J.
American Electrical Works Phillipsdale, R. I.
Am. Steel Co., H, Park bldg, Pittsburgh, Pa.
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Chicago Steel & Wire Co., 10527 Torrence av, Chicago, Ill.
Darby Edw. J. & Sons, 319 Vine, Phila., Pa.
See adv index at end of book
Indiana Steel & Wire Co., (Bright), Muncie, Ind.
Interstate Iron & Steel Co., 104-H S Michigan Ave., Chicago, Ill.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Prentiss G. W. & Co., Holyoke, Mass.
ROEBLING'S JOHN A. SONS CO., Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book
SENECA WIRE & MFG. CO., Fostoria, O.
Washburn Wire Co., Phillipsdale, R. I.
Wickwire Bros., Cortland, N. Y.
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.
Youngstown Sheet & Tube Co. ("Youngstown"), Youngstown, O.

16929— Wire Cord

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Lowell Insulated Wire Co., Lowell, Mass.
Seneca Wire & Mfg. Co., Fostoria, O.
Upson-Walton Co., The ("Perfection," "Drednaut" Iron, Bright and Galvanized, also Special Cords), 1294 W 11th, Cleveland, O.

16929a— Wire Core

Acorn Insulated Wire Co., 77 Richards, Bklyn, N. Y.
Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
American Steel Co. (Foundries), Park bldg, Pittsburgh, Pa.
American Steel & Wire Co., 208 S. La Salle, Chicago, Ill. *See adv index at end of book*
Atlantic Wire Co., Branford, Conn.
Driscoll Wire Co., Shelton, Conn.
FISHEL & MARKS CO., ft. of Krakow av, Cleveland, O.
See adv index at end of book
Interstate Iron & Steel Co., 104H S Michigan av, Chicago, Ill.

LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Roebling John A. Sons Co. Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book
Seneca Wire Mfg. Co., Fostoria, O.
Titchener-Diehl Co. (Foundry), 1844-48 W Austin av, Chicago, Ill.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

16929b— Wire (Dental)

Alloy Metal Wire Co., Moore, Pa.
See adv index at end of book

Alloy Metal Wire Co.
Manufacturers of
Electric Resistance Wire
MAIN OFFICE: MOORE, PA.
Branches: New York, Detroit, Chicago

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
Electrical Alloy Co., Morristown, N. J.

16929c—*Wire (Electric Resistance)

ALLOY METAL WIRE CO., Moore, Pa.
See adv index at end of book

Alloy Metal Wire Co.
Manufacturers of
Silchrome Wire
for high temperatures
MAIN OFFICE: MOORE, PA.
Branches: New York, Detroit, Chicago

Gilby Wire Co., 108 Adams, Newark N. J.
Hoskins Mfg. Co., 4435 Lawton, Detroit, Mich.

16930— Wire (Enameled)

Acme Wire Co. ("Enamelite"), 1255 Dixwell av, New Haven, Conn.
Americal Enameled Magnet Wire Co., Muskegon, Mich.
Automatic Electric Co. ("Raven"), 1001 W Van Buren, Chicago, Ill.
Belden Mfg. Co. ("Cotenamel" "Beldenamel"), 2316 S. Western av, Chicago, Ill.
Chicago Insulated Wire Co., 53 W Jackson, Chicago, Ill.
Dudlo Mfg. Co. (Sizes 25 to 40 B. S. Gauge), Fort Wayne, Ind.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Massachusetts Electric Mfg. Co., Lynn, Mass.
Phila. Insulated Wire Co., 200 N 3rd, Phila., Pa.
ROEBLING'S JNO. A. SONS CO., Trenton, N. J. *See adv index at end of book*
Rome Wire Co., Rome, N. Y.
See adv index at end of book
York Insulated Wire Works of G. E. Co. (Magnet), York, Pa.

16931—*Wire Fabric Reinforcement

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Concrete Steel Co., 42 B'way, New York

16932— Wire (Feeder)

American Electrical Works, Phillipsdale, R. I.
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Ansonia Electrical Co. (Electric Railway Wires & Cables), Ansonia, Conn.
California Wire Co., Orange, Cal.
Collyer Insulated Wire Co. ("I. & L."), Pawtucket, R. I.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Habirshaw Electric Cable Co., ("Habirshaw"), 10 E 43rd, New York
Hazard Mfg. Co., Wilkes-Barre, Pa.
Illinois Wire & Cable Co. ("Illinois"), Sycamore, Ill.
Indiana Rubber & Insulated Wire Co. (Insulated), P. O. Box 192, Jonesboro, Ind.
Kerite Insulated Wire & Cable Co. ("Kerite"), 30 Church, New York
National Conduit & Cable Co. (Weatherproof Wire & Cable), Hastings-on-Hudson, N. Y.
Okonite Co. (Railway Feed, etc), Passaic, N. J.
Phillips Wire Co., Pawtucket, R. I.
ROEBLING'S JOHN A. SONS CO., Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book
Safety Insulated Wire & Cable Co., 114 Liberty, New York
Simplex Wire & Cable Co. ("Simcore"), 201 Devonshire, Boston, Mass.
Standard Underground Cable Co., 17th & Pike, Pittsburgh, Pa.

16933— Wire (Fence)

See also Fences, Woven Wire

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Bethlehem Steel Co., Bethlehem, Pa.
Burgess Co., Inc., (Dealers), 233 B'way, New York
California Wire Cloth Co., 1001 22nd Ave., Oakland, Cal.
Cyclone Fence Co., Waukegon, Ill.
Darby Edw. J. & Sons, 319 Vine, Phila., Pa.
See adv index at end of book
Estey Bros. Co., 270 Union av, Brooklyn, N. Y.
Fiske J. W. Iron Wks., 111 Park pl, New York
Frost Superior Fence Co., Warren, Ohio
Gulf States Steel Co., Birmingham, Ala.
Herzog Iron Works, St. Paul, Minn.
Igoe Brothers, 61-73 Metropolitan av, Brooklyn, N. Y.
Indiana Steel & Wire Co., Muncie, Ind.
Interstate Iron & Steel Co., 104 S Michigan av, Chicago, Ill.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
ROEBLING'S JOHN A. SONS CO., Main Office, Trenton, N. J.
See adv index at end of book
Seneca Wire & Mfg. Co., Fostoria, Ohio
Standard Fence Co., Dept. T, 60th & Lowell, Oakland, Cal.
WICKWIRE SPENCER STEEL CORP., 41 E 42nd, New York
See adv index at end of book
Wilson Steel Products Co., Dept. H, 49th & Western av, Chicago, Ill.

16934—Wire Fences & Gates

See also Fences, Railroad & Farm; also Fences, Woven Wire

Acme Fence & Iron Co., 8502H Lake av, Cleveland, Ohio
Adrian Wire Fence Co. (Wholesale Mfrs), Adrian, Mich.
American Fence Construction Co., 130 W 34th, New York
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Anchor Post Iron Works, 50 Church, New York *See adv index at end of book*
Barnes Wire Fence Co., 1930 Ferry Pk. av, Detroit, Mich.
Bond Steel Post Co. ("Empire"), Adrian, Mich.
California Wire Cloth Co., 1001-H 22nd Ave., Oakland, Cal.
Champion Iron & Wire Wks., Omaha, Neb.
Colvin Chase Fence Co., South Charleston, Ohio
Cyclone Fence Co. (Ornamental), Waukegan, Ill.
Darby Edw. J. & Sons, 319 Vine, Phila., Pa.
See adv index at end of book
Decatur Mfg. Co., Decatur, Ill.
Dinn, P. J. & Co., 278 Dover, Boston, Mass.
Dwiggins Wire Fence Co. (Wholesale Mfrs. for Fields, Lawns, Cemeteries & Parks), Anderson, Ind.
Elliott & Reid Co., Richmond, Ind.
Enterprise Iron Works (Cemetery, Farms, etc), Indianapolis, Ind.
Estey Bros. Co., 270 Union av, Brooklyn, N. Y.
Eureka Fence Mfg. Co. (Lawn Fences & Gates, etc), Richmond, Ind.
FISKE J. W. IRON WORKS, 111 Park pl, New York
Frost Superior Fence Co., (Farm & Railroad Fence & Steel Gates), Warren, Ohio
Gem Wire Fence Co., Pontiac, Mich.
Gilbert & Bennett Mfg. Co. (Wholesale Mfrs.), Georgetown, Conn.
Gulf States Steel Co. (Field Fencing Only), Birmingham, Ala.
Hoosier Fence Co. (Wholesale Mfrs. of Ornamental Steel Wire), Frankton, Ind.
Howard & Morse, 45 Fulton, New York
Indiana Steel & Wire Co. (Mfrs.), Muncie, Ind.
Keystone Steel & Wire Co., Peoria, Ill.
Kitselman Bros. (Mfrs., Ornamental), Muncie, Ind.
Knapp Fence Co., 152 E. 134th, Cleveland, Ohio
Kokomo Fence Machine Co. (Ornamental), Kokomo, Ind.
Kokomo Steel & Wire Co. ("Kokomo Pioneer" Ornamental), Kokomo, Ind.
Lansing Co., Lansing, Mich.
Lasar Mfg. Co., 16th & O'Fallon, St. Louis, Mo.
Ludlow-Saylor Wire Co., 600-640 S. Newstead av, St. Louis, Mo.
See adv index at end of book
Mason Fence Co. ("Mason Champion" Wholesale Mfrs.), Leesburg, O.
Meyers Fred. J. Mfg. Co., Hamilton, O.
Michigan Wire Fence Co., Adrian, Mich.
NEW JERSEY WIRE CLOTH CO., Trenton, N. J.
See adv index at end of book
Nicholas Wire & Sheet Co., 21st & Baltimore, Kansas City, Mo.
Pacific Fence Construction Co., 423 Market, San Francisco, Cal.
Peerless Wire Fence Co., Adrian, Mich.
Pittsburgh Steel Co. ("Pittsburgh Perfect"), 5th av & Grant, Pittsburgh, Pa.
Plocher Andrew Sons Co. (Gates Only), Dayton, O.
Portage Iron & Wire Co., 1131 Johnson, Akron, Ohio
Reinforced Concrete Co., St. Louis, Mo.
Riverdale Construction Co., Inc., 100 E 45th, New York
St. Louis Wire & Iron Co., St. Louis, Mo.
Schreiber L. & Sons Co., 3869 Ivanhoe, Cincinnati, O.
Seneca Wire & Mfg. Co., Fostoria, O.
Shaw Wire Fence Co., Warsaw, O.
Shelby Wire Co. (Fences Only), Dept. H, Shelby, O.
Smith A. L. Iron Works, Chelsea, Mass.
SMITH F. P. WIRE & IRON WORKS, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Spring Steel Fence & Wire Co. (Wholesale Mfrs.), Anderson, Ind.
Stewart-Holland Co., Wabash Bldg., Pittsburgh, Pa.
Stewart Iron Works Co., Inc., 238 Stewart blk, Cincinnati, O.
See adv index at end of book
Taylor & Dean, Penn av & 25th, Pittsburgh, Pa.
Texas Anchor Fence Co., Ft. Worth, Tex.
Tex. Cyclone Fence Co., Ft. Worth, Tex.
West Coast Wire & Iron Works, 861 Howard, San Francisco, Cal.
WICKWIRE SPENCER STEEL CORP. (Ornamental Railway & Farm), 41 E 42nd, New York
See adv index at end of book
Wis. Iron & Wire Works, 1660 Booth, Milwaukee, Wis.
Youngstown Sheet & Tube Co. ("Youngstown," Wholesale Mfrs. Fences Only), Youngstown, O.

16935— Wire (Fish)

Edwards E. H. Co. (For Fish Traps), South San Francisco, Cal.
Gleason, James & Co., 515 W. Jackson Blvd., Chicago, Ill.
Rattan Mfg. Co. ("R. M. C.") 552-H State, New Haven, Conn.
Steel City Electric Co. ("Superior"), 1207 Columbus av, Pittsburgh, Pa.

Wire (Fixture)

See Wire, Insulated

16936—Wire (Flat & Round Tempered)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
American Steel Co. (Flat), Park bldg., Pittsburgh, Pa.
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Cary Spring Works, 240 W 29th, New York
Crucible Steel Co. of America (Crucible Steel Tempered & Untempered), Oliver bldg, Pittsburg, Pa.
De Haven Mfg. Co., 50 Columbia Heights, Brooklyn, N. Y.
Frick & Lindsay Co. (Dealers), Sandusky & Robinson), Pittsburgh, Pa.
See adv index at end of book
Harris Frederick T., 69 Sprague, Providence, R. I.
Moon Geo. C. Co., Garwood, N. J.
Newman C. Wire Co., 25 Church, New York
Prentiss G. W. & Co., Holyoke, Mass.
ROEBLING'S JOHN A. SONS CO., Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book
Schwartz Herrmann, 121 Nassau, New York
Standard Steel & Wire Co., 1408 Cortland, Chicago, Ill.
Wetherell Bros. Co., 251 Albany, Cambridge, Mass. *See adv index at end of book*
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Wilson Steel Products Co., Dept. H, 49th & Western av, Chicago, Ill.

16937— Wire (Florists')

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Chicago Steel & Wire Co., 10257 Torrence av, Chicago, Ill.
Interstate Iron & Steel Co., 104-H S. Michigan Ave., Chicago, Ill.
Prentiss G. W. & Co., Holyoke, Mass.

(Continued on following page)

Wire (Florists')—Continued

ROEBLING'S JOHN A. SONS CO., Main Office, Trenton, N. J. Works: Trenton, & Roebling, N. J.
See adv index at end of book

SENECA WIRE & MFG. CO., Fostoria, O.

Tate, E. H. Mop & Cordage Co., ("Best Quality"), 67 Sudbury, Boston, Mass.

Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

16938—*Wire Flower Bed Guards

Cyclone Fence Co., Waukegon, Ill.

Darby Edw. J. & Sons, 319 Vine, Phila., Pa.
See adv index at end of book

Wickwire Spencer Steel Corp. ("Excelsior Rust Proof), 41 E 42nd, New York
See adv index at end of book

Wrobbel-Maine Co., The, 3106 E 63rd, Cleveland, O.

16938a—*Wire (For Glass Wire Mfrs.)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York

Seneca Wire & Mfg. Co., Fostoria, Ohio

16938b— Wire Forming

Austin & Smith Co., 164 Brewery, New Haven, Conn.
See adv index at end of book

Automatic Wire Goods Mfg. Co., 386 Canal pl, New York

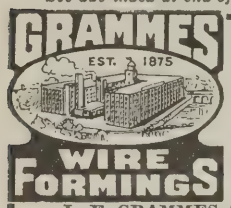
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book

Campbell Wire Spec. Wks, South Bend, Ind.

Fischer Chas. Spring Co., 240 Kent av, Brooklyn, N. Y.

Gem Stamped Steel Co., Chelsea, Mass.

Grammes L. F. & Sons, 311 Union, Allentown, Pa.
See adv index at end of book



Quantity production means low prices in hooks, links, rings, staples, springs — anything formed from wire. Let us prove this statement.

L. F. GRAMMES & SONS, INC.
365 Union Street Allentown, Pa.

SNAPPY MFG. CO. (Special wire formations. Send us your samples or blue prints. We will give you close quotations), 900 Railroad, Harvard, Ill.
See adv index at end of book

Townsend Co., New Brighton, Pa.
See adv index at end of book

16938c— Wire (Fourdrinier)

American Brass Co., Waterbury, Conn.
See adv index at end of book

Appleton Wire Works, Appleton, Wis.

Babbitt L. L., Clayville, N. Y.

Bigelow, Cheney Wire Works, 417 Liberty, Springfield, Mass.

Buchanan & Bolt Wire Co., Holyoke, Mass.

Cabbie Wm. Excelsior Wire Mfg. Co., 88 Ainslee, Brooklyn, N. Y.

Driver-Harris Co., Harrison, N. J.
See adv index at end of book

Eastwood Wire Mfg. Co., Belleville, N. J.

Gilby Wire Co., 108 Adams, Newark, N. J.

Gleason Thos., East Newark, N. J.

Harris Frederick T. (For Cloth), 96 Sprague, Providence, R. I.

Lindsay Wire Weaving Co., 14024 Aspinwall, Cleveland, O.

McCluskey H. & T. & Sons (Brass & Bronze, all meshes, sizes), New Haven, Conn.

Marks & Fiske, 2507 24th, Detroit, Mich.

Multi-Metal Co., 801 E 139th, New York

O'Neill Joseph Wire Wks., Port Chester, N. Y.

Riverside Metal Co. (Phosphor Bronze), Riverside, N. J.

Scovill Mfg. Co., Waterbury, Conn.
See adv index at end of book

Seneca Wire & Mfg. Co., Fostoria, O.

TYLER W. S. CO., Cleveland, O.
See adv index at end of book

Wisconsin Wire Works, Appleton, Wis.

16938d— Wire (Galvanized)

Larkin & Co., J. K., 253 Broadway, New York
See adv index at end of book

J. K. LARKIN & CO.

253 Broadway
NEW YORK

16939— Wire (Gas Mantle)

Electrical Alloy Co., Morristown, N. J.

Roeblings, John & Sons Co., Trenton, N. J.
See adv index at end of book

16940— *Wire (Gilding)

American Brass Co., Waterbury Conn.
For branch offices see adv index at end of book

16940a— *Wire (Gong Bell)

American Steel & Wire Co., 208 S La Salle, Chicago, Ill.
See adv index at end of book

Wilson Steel Products Co. (Specialties), Dept. H, 49th & Western av, Chicago, Ill.

16941—Wire Goods (Bright)

See also the Specific Article Required

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York

American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.

Automatic Wire Goods Mfg. Co., 386 Canal pl, New York

Austin & Smith Co., 164 Brewery, New Haven, Conn.
See adv index at end of book

Belmer H. Co., 628 W 3rd, Cincinnati, O.

Boesch Lamp Co., 962 Mission, San Francisco, Cal.

Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book

Bromwell Co., 420 Main, Cincinnati, O.

Brooks M. S. & Sons (All Kinds of Wire Specialties, etc), Chester, Conn.

Campbell Wire Specialty Works (Automatic Work), South Bend, Ind.

Collis Co., Clinton, Ia.

Darby Edw. J. & Sons, 319 Vine, Phila., Pa.
See adv index at end of book

Diamond Wire & Iron Wks (Woven Wire), 201 N West, Indianapolis, Ind.

Easton Tool & Mfg. Co., Bloomfield av, Bloomfield, N. J.

Fischer Chas. Spring Co., 240 Kent av, Brooklyn, N. Y.

Hamblin & Russell Mfg. Co., 28 Water, Worcester, Mass.

Howard & Morse, 45 Fulton, New York

Jencks E. Mfg. Co. (Special Bright Iron & Brass, etc), 28 Union, Worcester, Mass.

Jenkinson R. S. & Co., (By Automatic Machines), 293 Washington, Newark, N. J.

Landers, Frary & Clark, New Britain, Conn.

MICHIGAN WIRE CLOTH CO., 2100 Howard, Detroit, Mich.
See adv index at end of book

Modern Wire Specialty Co., Inc., 1618 Fulton, Chicago, Ill.

Oakville Co., Waterbury, Conn.

Parker Wire Goods Co. (Bright & Mill Wire), 149 Washington, Worcester, Mass.

Paul & Fulton, Inc. (Specialties), 31 W Kinzie, Chicago, Ill.

Peerless Wire Goods Co., Lafayette, Ind.

Pioneer Wire Works (& Tinned), 133-135 Federal, Camden, N. J.
See adv index at end of book

PIONEER WIRE WORKS

133-135 FEDERAL STREET

CAMDEN, N. J.

Wire Goods of Every Description

Pocono Metal Mfg. Co., (Automatic), E. Stroudsburg, Pa.

Smith F. P. & Co. (Specials), Sharon Hill, Pa.

SNAPPY MFG. CO. (Special Wire formations. Send us your samples or blue prints. We will give you close quotations), 900 Railroad, Harvard, Ill.
See adv index at end of book

Special Machinery Co., 38 Remer, Bridgeport, Conn.

Traut & Hine Mfg. Co., New Britain, Conn.

Troy Wire Goods Co., Troy, N. Y.

Turner & Stanton Co., Norwich, Conn.

United Steel & Wire Co., 327 Fonda av, Battle Creek, Mich.

Wedmore D. A. & Co., Camden, N. J.

WICKWIRE SPENCER STEEL CORP., 41 E 42nd, New York
See adv index at end of book

Washburn Co. (Wire Goods Div.) (Everything in Wire), 28 Union, Worcester, Mass.

Wire Hardware Co., 6126 S La Salle, Chicago, Ill.

Woods-Sherwood Co., 28 Union, Worcester, Mass.

16942—Wire (Gun Wrapping)

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book

Seneca Wire & Mfg. Co., Fostoria, Ohio

16943— Wire (Hairpin)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York

American Steel Co., Park bldg, Pittsburgh, Pa.

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book

Badger Wire & Iron Works (Steel, Brass & Bronze), 25th Ave., & Cleveland, Milwaukee, Wis.

Chicago Steel & Wire Co., 10257 Torrence av, Chicago, Ill.

Driscoll Wire Co., Shelton, Conn.

Igoe Brothers, 61-73 Metropolitan av, Brooklyn, N. Y.
See adv index at end of book

Moon Geo. C. Co., Garwood, N. J.

Seneca Wire & Mfg. Co., Fostoria, **Ohio**

Wickwire Spencer Steel Co., 41 E 42nd, New York *See adv index at end of book*

Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

16944—Wire (Hook & Eye)

AMERICAN BRASS CO., Waterbury, Conn.
For branch offices see adv index at end of book

Driscoll Wire Co., Shelton, Conn.

Scovill Mfg. Co., Waterbury, Conn.
See adv index at end of book

Seneca Wire & Mfg. Co., Fortoria, Ohio

16944a— Wire Infant Cribs

Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y. *See adv index at end of book*

16945— Wire (Insulated)

A-A Wire Co. (Rubber Covered "A-A"), 48 Nesbitt, Newark, N. J.

Acorn Insulated Wire Co., 77 Richards, Brooklyn, N. Y.

ALLOY METAL WIRE CO., Moore, Pa.
See adv index at end of book

AMERICAN BRASS CO. (Weatherproof & Slow Burning), Waterbury, Conn.
For branch offices see adv index at end of book

American Electrical Works, Phillipsdale, R. I.

American Insulated Wire & Cable Co., 954 W 21st, Chicago, Ill.

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book

Ansonia Electrical Co., Ansonia, Conn.

Atlantic Insulated Wire & Cable Co. ("Neptune," "Dolphin," "Triton"), Stamford, Conn.

Bay State Insulated Wire & Cable Co. ("Maconite"), Hyde Park, Mass.

Belden Mfg. Co., 2316 S Western av, Chicago, Ill.

Bishop Gutta-Percha Co. (Rubber & Gutta Percha), 420 E 25th, New York

Boston Insulated Wire & Cable Co. ("B. I. W." Asbestos & Rubber Covered), 65 Bay, Boston, Mass.

Bourn Rubber Co., 58 Warren, Providence, R. I.

California Wire Co., Orange, Cal.

Central Electric Co. ("Okonite"), 316 S Wells, Chicago, Ill.

Chicago Insulated Wire Co., 53 W Jackson, Chicago, Ill.

Collyer Insulated Wire Co. ("I X L"), Pawtucket, R. I.

Crescent Insulated Wire & Cable Co., Trenton, N. J.

Detroit Insulated Wire Co. ("Detroit"), Dept. H, Wesson & Albert, Detroit, Mich.

DOYLE-DA COSTA MFG. CO., Easton, Pa.

Driver-Harris Co., Harrison, N. J.
See adv index at end of book

Dudlo Mfg. Co., Ft. Wayne, Ind.

Electrical Alloy Co., Morristown, N. J.

Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book

GENERAL ELECTRIC CO. (All Kinds), Schenectady, N. Y.
See adv index at end of book

Goodrich B. F. Co., Akron, O.

Habirshaw Electric Cable Co., 10 E. 43d, New York

Hazard Mfg. Co. (Rubber), Wilkes-Barre, Pa.

Illinois Wire & Cable Co. ("Illinois"), Sycamore, Ill.

Independent Lamp & Wire Co. (Asbestos) 1733 B'way, New York

Indiana Rubber & Insulated Wire Co. ("Paranite"), P. O. Box 192, Jonesboro, Ind.

Kerite Insulated Wire & Cable Co., ("Kerite"), 30 Church, New York

Lowell Insulated Wire Co., Lowell, Mass.

Malin & Co. (Spooled), Cleveland, O.

Marion Insulated Wire & Rubber Mfrs., Marion, Ind.

Monarch Electric & Wire Co. ("Monarch," Copper & Iron), 622 W Adams, Chicago, Ill.

National Conduit & Cable Co., Hastings-on-Hudson, N. Y.

National India Rubber Co. ("C. M."), Bristol, R. I.

New England Electrical Works, Lisbon, N. H.

New York Insulated Wire Co., 84 State, Boston, Mass.

Okonite Co., Passaic, N. J.

PEERLESS INSULATED WIRE & CABLE CO. ("Peerless Perfect Protection" Cotton Clad), 90 West, New York
Phila. Insulated Wire Co. **(All Kinds), 200 N 3rd, Phila., Pa.**
Phillips Wire Co., Pawtucket, R. I.
Roebling's John A. Sons Co. ("Roebling"), Trenton, N. J.
See adv index at end of book
ROME WIRE CO. ("Rome Wire"), Rome, N. Y. *See adv index at end of book*
Safety Insulated Wire & Cable Co. (Rubber, Varnished, Cambris & Paper), 114 Liberty, New York
Simplex Wire & Cable Co. ("Simcore"), Boston, Mass.
STANDARD UNDERGROUND CABLE CO., 17th & Pike, Pittsburgh, Pa.
Washburn Wire Co., Phillipsdale, R. I.
Western Electric Co., 463 West, New York
Wheeler Insulated Wire Co., 1188 Main, Bridgeport, Conn.
York Insulated Wire Works of G. E. Co. ("Salamander" asbestos), York, Pa.

16946— Wire (Iron)

American Electrical Wks., Phillipsdale, R. I.
American Steel Co., (& Steel, Bars), Park bldg, Pittsburgh, Pa.
American Steel & Wire Co. (Rope), 208 So. La Salle, Chicago, Ill.
See adv index at end of book
Ansonia Electrical Co., 55-H Main, Ansonia, Conn.
Broderick & Bascom Rope Co., 805 N Main, St. Louis, Mo.
Crawfordsville Wire & Nail Co., Crawfordsville, Ind.
Darby Edw. J. & Sons, 319 Vine, Phila., Pa.
See adv index at end of book
Driver-Harris Co., Harrison, N. J.
See adv index at end of book
Duke Steel Co. Inc., 191 Pearl, New York
Harris Frederick T., 69 Sprague, Providence, R. I.
Hazard Mfg. Co., Wilkes-Barre, Pa.
Igoe Brothers (Iron & Steel), 61-73 Metropolitan av, Brooklyn, N. Y.
See adv index at end of book
Indiana Steel & Wire Co., Muncie, Ind.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
LARKIN J. K. & CO., 253 B'way, New York *See adv index at end of book*
MICHIGAN WIRE CLOTH CO., 2100 Howard, Detroit, Mich.
See adv index at end of book
Roebling's John A. & Sons Co. ("Roebling"), Trenton, N. J.
See adv index at end of book
SENECA WIRE & MFG CO., Fostoria, O.

16947— Wire (Lead)

Bussmann Mfg. Co., 2819H N 23rd, St. Louis, Mo.
Chadwick-Boston Lead Co., Boston, Mass.
Conduit Electrical Mfg. Co. ("Shawmut"), **1st & L, Boston, Mass.**
Crown Metal Co., 259 Washington, Milwaukee, Wis.
Eagle-Picher Lead Co., 208 S La Salle, Chicago, Ill.
Halstead Wire Co., Rome, N. Y.
North American Copper Co., 52 Vanderbilt av, New York
United Lead Co., 111 B'way, New York

16948— Wire (Liquor Finish)

Am. Steel Co., H, Park bldg, Pittsburgh, Pa.
Chicago Steel & Wire Co., 10527 Torrence av, Chicago, Ill.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Seneca Wire & Mfg. Co., Fostoria, Ohio
Townsend Co., New Brighton, Pa.
See adv index at end of book
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Youngstown Sheet & Tube Co. ("Youngstown"), O.

16949-50— Wire (Magnet)

Acme Wire Co. ("Cottonite," "Silkenite"), 1255 Dixwell av, New Haven, Conn.
Alloy Metal Wire Co., Moore, Pa.
See adv index at end of book
AMERICAN BRASS CO., Waterbury, Conn.
See adv index at end of book
American Electrical Works, Phillipsdale, R. I.
American Enameled Magnet Wire Co., Muskegon, Mich.
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Ansonia Electrical Co. (Cotton & Silk Covered), Ansonia, Conn.
Automatic Electric Co., 1001 W. Van Buren, Chicago, Ill.
Belden Mfg. Co. ("Beldenamel," "Cotonamel," "Silkenamel"), 2316 S Western av, Chicago, Ill.
Bradford, Kyle & Co. (silk, cotton enamel) Plymouth, Mass.
Chicago Insulated Wire & Mfg. Co., 53 W Jackson, Chicago, Ill.
Crescent Insulated Wire & Cable Co., Trenton, N. J.
D. & W. Fuse Co. ("Deltabeston"), Hathaway, Providence, R. I.
Dudlo Mfg. Co. ("Dulow"), Ft. Wayne, Ind.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Goldmark James Co., 31 Warren, New York
Hazard Mfg. Co., Wilkes-Barre, Pa.
Independent Lamp & Wire Co. ("Salamander," Asbestos Insulated), 1733 B'way, New York
Kellogg Switchboard & Supply Co., 1066 W Adams, Chicago, Ill.
McEvoy C. H., Lowell, Mass.
Mass. Electric Mfg. Co., West Lynn, Mass.
MICHIGAN WIRE CLOTH CO., 2100 Howard, Detroit, Mich.
See adv index at end of book
Moxomite Insulating Co., Watervliet, N. Y.
National Conduit & Cable Co., Hastings-on-Hudson, N. Y.
New England Electrical Works, Lisbon, N. H.
Philadelphia Insulated Wire Co., 200 W. 3d, Phila., Pa.
Riverside Metal Co. (Phosphor Bronze), Riverside, N. J.
Rockbestos Products Corp. ("Rockbestos"), New Haven, Conn.
ROEBLING'S JOHN A. SONS CO., Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book
Rome Electric Co. (Round, Square, Rectangular, Cotton, Silk & Asbestos Enamelled), Rome, N. Y.
ROME WIRE CO. ("Rome Wire") **(Silk & Cotton Enamel Covered), Rome, N. Y.**
See adv index at end of book
Standard Underground Cable Co., 17th & Pike, Pittsburgh, Pa.
STROMBERG - CARLSON TELEPHONE MFG. CO. ("S. C."), **1050 University av, Rochester, N. Y.**
Western Electric Co., 463 West, New York
Wheeler Insulated Wire Co., 1188 Main, Bridgeport, Conn.
York Insulated Wire Works of G. E. Co. (round, flat or square), York, Pa.

16951— Wire (Market)

American Electrical Wks., Phillipsdale, R. I.
American Industrial & Engineering Co., 53 W Jackson blvd, Chicago, Ill.
American Steel Co., Park bldg., Pittsburgh, Pa.
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Atlantic Steel Co. (Open-Hearth Steel), Atlanta, Ga.
Belfont Iron Works Co. (Annealed, Galvanized, etc), Ironton, O.
Bethlehem Steel Co., Bethlehem, Pa.
Black Steel & Wire Co. (Soft Basic Annealed), 21st St. & Manchester Ave., Kansas City, Mo.
Broderick & Bascom Rope Co., 805 N Main, St. Louis, Mo.
Buffalo Bolt Co., N Tonawanda, N. Y.
Chicago Steel & Wire Co. (Annealed & Bright), 10257 Torrence av, Chicago, Ill.
Crawfordsville Wire & Nail Co., Crawfordsville, Ind.
Darby Edw. J. & Sons, 319 Vine, Phila., Pa.
See adv index at end of book
Driver-Harris Co., Harrison, N. J.
See adv index at end of book
Frost-Superior Fence Co. (Galvanized), E 131st, Cleveland, O.
Girard Model Works, Girard, Pa.
Gulf States Steel Co. (Plain & Galvanized), Birmingham, Ala.
Harris Frederick, 69 Sprague, Providence, R. I.
Hazard Mfg. Co., Wilkes-Barre, Pa.
Indiana Steel & Wire Co. (Coppered Bright, Galvanized & Annealed), Muncie, Ind.
Interstate Iron & Steel Co., 104-H S. Michigan Ave., Chicago, Ill.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Keystone Steel & Wire Co., Peoria, Ill.
Kokomo Steel & Wire Co., Kokomo, Ind.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book

J. K. LARKIN & CO.
253 Broadway
NEW YORK

Moon Geo. C. Co., Garwood, N. J.
Norton Iron Works (Annealed, Galvanized, etc), Ashland, Ky.
Page Steel & Wire Co., Adrian, Mich.
Pittsburgh Steel Co. ("Pittsburgh Perfect" Annealed, Bright & Galvanized), 5th av & Grant, Pittsburgh, Pa.
Prentiss G. W. & Co. (Annealed), Holyoke, Mass.
ROEBLING'S JOHN A. SONS CO., Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book
SENECA WIRE & MFG. CO., Fostoria, O.
Shelby Wire Co. (Annealed & Galvanized), Dept. H, Shelby, O.
Townsend Co., New Brighton, Pa.
See adv index at end of book
Velthardt Steel & Metal Corp. (Galvanized & Annealed), 15 Park Row, New York
Van Brunt J. A. Co. (Expt Only), 114 John, New York
Washburn Wire Co., Phillipsdale, R. I.
Wickwire Bros. (Annealed, Bright & Galvanized), Cortland, N. Y.
Wickwire Spencer Steel Corp. (Finished, Bright, Annealed, Galvanized, etc), 41 E 42nd, New York
See adv index at end of book
Wilson Steel Products Co. (Annealed, Bright & Galvanized), Dept. H, 49th & Western av, Chicago, Ill.
Youngstown Sheet & Tube Co. (Annealed & Bright Smooth Wire ("Youngstown"), Youngstown, O.

16952— Wire (Mattress)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
American Steel Co., H, Park bldg, Pittsburgh, Pa.
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Chicago Steel & Wire Co., 10257 Torrence av., Chicago, Ill.
Igoe Brothers, 61-73 Metropolitan av, Brooklyn, N. Y.
See adv index at end of book
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
SENECA WIRE & MFG. CO., Fostoria, O.
Velthardt Steel & Metal Corp., 15 Park Row, New York
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

16952a—Wire Mechanism (Bowden)

GWILLIAM CO., 23 Flatbush av, Brooklyn, N. Y. *See adv index at end of book*

16952b— Wire (Molybdenum)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
Mallory P. R. & Co., Inc., Port Chester, N. Y.
Fansteel Products Co., Inc., N. Chicago, Ill.

16953— Wire (Monel Metal)

ALLOY METAL WIRE CO. (Monel Metal is resistant to alkalis and acids, and is a non-corrosive metal), Moore, Pa.
See adv index at end of book

Alloy Metal Wire Co.
Manufacturers of
Monel Metal Wire
MAIN OFFICE: MOORE, PA.
Branches: New York, Detroit, Chicago

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
Beckley Perforating Co., Garwood, N. J.
Cleveland Wire Cloth Co., Cleveland, O.
Darby Edw. J. & Sons, 319 Vine, Phila., Pa.
See adv index at end of book
Driver-Harris Co., Harrison, N. J.
See adv index at end of book
Electrical Alloy Co. (Non-Corrosive), Morristown, N. J.
Gilby Wire Co., 108 Adams, Newark, N. J.
Hendrick Mfg. Co., Carbondale, Pa.
Howard & Morse, 1197 De Kalb av, Brooklyn, N. Y.
Igoe Brothers, 61-73 Metropolitan av, Brooklyn, N. Y.
See adv index at end of book
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Jelliff Mfg. Corp., C. O., Southport, Conn.
LUDLOW-SAYLOR WIRE CO., 600-640 S Newstead av, St. Louis, Mo.
See adv index at end of book
Magosy & Buscher, 232 Canal, New York
MICHIGAN WIRE CLOTH CO., 2100 Howard, Detroit, Mich.
See adv index at end of book

(Continued on following page)

Wire (Monel Metal)—Continued

Munning & Co., A. P., Matawan, N. J.
Newark Wire Cloth Co., 359-371 Verona av, Newark, N. J.
Sholes, Inc., 186 Lafayette, New York
Smith & Co., John P., New Haven, Conn.
Steel Products Mfg. Co., Cicero, Ill.
Steel Sales Corp., Jefferson & Adams, Chicago, Ill.
Supplee-Biddle Hardware Co., 510 Commerce, Phila., Pa.
Taylor Disc Co., Mansfield, O.
Tyler Co., W. S., Cleveland, O.
Whitehead Metal Products Co., 67-73 Washington, N. Boston, Mass.
See adv index at end of book
Whitehead Metal Products Co. of N. Y., Inc., 261-7 Canal, New York, & 43 N 7th, Phila, Pa.
See adv index at end of book
Williams & Co. (Inc.), 901-937 Pennsylvania av, Pittsburgh, Pa.
Wilson Steel Products Co., Dept. H, 49th & Western av, Chicago, Ill.

16953a— Wire (Music)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
Bridgeport Chain Co., 1000 Crescent ave, Bridgeport, Conn.
See adv index at end of book
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book

16954— Wire (Nail)

American Steel Co., Park bldg, Pittsburgh, Pa.
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Belfont Iron Works Co., Ironton, O.
Bethlehem Steel Co., Bethlehem, Pa.
Burgess Co. Inc. (Dealers), 233 B'way, New York
Gulf States Steel Co., Birmingham, Ala.
Igoe Brothers, 61-73 Metropolitan av, Brooklyn, N. Y.
Indiana Steel & Wire Co., Muncie, Ind.
Interstate Iron & Steel Co., 104-H S. Michigan Ave., Chicago, Ill.
Jones & Laughlin Steel Co., Ross, Pittsburgh, Pa.
Kokomo Steel & Wire Co., Kokomo, Ind.
Larkin J. K. & Co., 253 B'way, New York
See adv index at end of book
Pittsburgh Steel Co. ("Pittsburgh Perfect"), 5th av & Grant, Pittsburgh, Pa.
Seneca Wire & Mfg. Co., Fostoria, O.
Veithardt Steel & Metal Corp., 15 Park Row, New York
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.
Youngstown Sheet & Tube Co. ("Youngstown"), Youngstown, O.

Wire (Needle)

See Wire, Steel Needle

16955— Wire (Nickel)

ALLOY METAL WIRE CO. (Pure Nickel used in incandescent lamps, radio bulbs, etc), Moore, Pa.
See adv index at end of book

Alloy Metal Wire Co.
Manufacturers of
Pure Nickel Wire
MAIN OFFICE: MOORE, PA.
Branches: New York, Detroit, Chicago

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
DRIVER-HARRIS CO., Harrison, N. J.
See adv index at end of book
Electrical Alloy Co. (Bare & Insulated), Morristown, N. J.
Gilby Wire Co., 108 Adams, Newark, N. J.
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Ludlow-Saylor Wire Co., 600-640 S Newstead av, St. Louis, Mo.
See adv index at end of book
MICHIGAN WIRE CLOTH CO., 2100 Howard, Detroit, Mich.
See adv index at end of book

16955a1—Wire (Nickel Chromium)

ALLOY METAL WIRE CO. ("Peerless," "Superior," "Premier") (Superior Grade "A" Nickel Chromium Wire, used in electric furnaces at temperatures up to 2000° F. Peerless Grade "B" Nickel Chromium Wire recommended for same purpose, at temperatures up to 1800° F. Premier Grade "C" Nickel Chromium Wire, recommended for use in household heating devices of all kinds), Moore, Pa.
See adv index at end of book

Alloy Metal Wire Co.
Manufacturers of
Nickel Chromium Wire
MAIN OFFICE: MOORE, PA.
Branches: New York, Detroit, Chicago

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
Gilby Wire Co., 108 Adams, Newark, N. J.

16955a—Wire (Nickel Silver)

ALLOY METAL WIRE CO. (Nickel Silver Resistance Wire generally used for rheostats, etc), Moore, Pa.
See adv index at end of book
Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
AMERICAN BRASS CO., Waterbury, Conn.
For branch offices see Alphabetical Section
Babbitt L. L., Clayville, N. Y.
Besly Chas. H. & Co. ("Helmet"), 120 H N Clinton, Chicago, Ill.
Driver-Harris Co., Harrison, N. J.
See adv index at end of book
Halstead Wire Co. (Resistance), Rome, N. Y.
Harris Frederick T. (For Cloth), 96 Sprague, Providence, R. I.
Hough W. S. Co., Dept. H, Attleboro, Mass.
Hungerford U. T. Brass & Copper Co., 86 Lafayette, New York
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
MICHIGAN WIRE CLOTH CO., 2100 Howard, Detroit, Mich.
See adv index at end of book
Plume & Atwood Mfg. Co., Waterbury, Conn.
Reeves Paul S. & Co., 1415 Catherine, Phila., Pa.
Riverside Metal Co., Riverside, N. J.
Scovill Mfg. Co., Waterbury, Conn.
See adv index at end of book
Seymour Mfg. Co. ("Silvore"), 87 Franklin, Seymour, Conn.
Stimpson Edwin B. Co. (Flat & Coiled), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
Whitehead Metal Products Co., 67-73 Washington, North, Boston, Mass.
See adv index at end of book
Whitehead Metal Products Co. of N. Y., Inc., 261-7 Canal, New York, & 43 N 7th, Phila., Pa.
See adv index at end of book

16955b—Wire (Non-Corrosive)

Alloy Metal Wire Co., Moore, Pa.
See adv index at end of book
Electrical Alloy Co. ("Ideal"), Morristown, N. J.

16955c— Wire Parts

See also Wire Shapes (Special)

Austin & Smith Co., 164 Brewery, New Haven, Conn.
See adv index at end of book
Automatic Wire Goods Mfg. Co., 386 Canal pl, New York
BLAKE & JOHNSON CO. (Special Parts from Wire & Rod), 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
CUYAHOGA SPRING CO. (THE), 10253 Berea rd, Cleveland, O.
See adv index at end of book

16956—Wire (Phosphor Bronze)

American Brass Co., Waterbury, Conn.
See adv index at end of book
Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
Babbitt L. L. (Fine Wires), Clayville, N. Y.
Bridgeport Brass Co. (Not for Springs but With High Tensile Strength), E Main, Bridgeport, Conn.
Bridgeport Chain Co., 1000 Crescent ave, Bridgeport, Conn.
See adv index at end of book
Conklin T. E. Brass & Copper Co., 64 Lafayette, New York
Darby Edw. J. & Son, 319 Vine, Phila., Pa.
See adv index at end of book
Driver-Harris Co. (Common, Golden & Antique), Harrison, N. J.
See adv index at end of book
Gilby Wire Co., 108 Adams, Newark, N. J.
Halstead Wire Co., Rome, N. Y.
Harris Frederick T., 69 Sprague, Providence, R. I.
Hough, W. S. Co., Dept. H, Attleboro, Mass.
Merchant & Evans Co. (In Coils, etc.), Washington av & 21st, Phila., Pa.
MICHIGAN WIRE CLOTH CO., 2100 Howard, Detroit, Mich.
See adv index at end of book
Phosphor Bronze Smelting Co., 2202 Washington av, Phila., Pa.
Reeves Paul S. & Co., 1415 Catharine, Phila., Pa.
Riverside Metal Co., Riverside, N. J.
Seymour Mfg. Co., Seymour, Conn.
Standard Underground Cable Co., 17th & Pike, Pittsburgh, Pa.
Whitehead Metal Products Co., 67-73 Washington, North Boston, Mass.
See adv index at end of book
Whitehead Metal Products Co. of N. Y., Inc., 261-7 Canal, New York, and 43 N 7th, Phila, Pa.
See adv index at end of book

16957—Wire (Piano or Music)

See also Strings (Musical Instrument)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
American Brass Co., Waterbury, Conn.
For branch offices see adv index at end of book
AMERICAN STEEL & WIRE CO. ("Perfected," "Crown" & "Star"), 208 S La Salle, Chicago, Ill.
See adv index at end of book
Boker H. & Co. ("Gibraltar"), 101 Duane, New York
Frasse Peter A. & Co. Inc. ("Bruntons"), 417 Canal, New York
Halstead Wire Co., Rome, N. Y.
Harris Frederick T., 69 Sprague, Providence, R. I.
Larkin J. K. & Co., 253 B'way, New York
See adv index at end of book
Malin & Co. (Cast Steel), 2514 Vestry av, Cleveland, O.
Montgomery & Co. ("Wm. Smith & Sons" Imported), 64 Reade, New York
Newman C. Wire Co., 25 Church, New York
Pierce Walter S. Co. (Piano Bass), 687 14th, San Francisco, Cal.
Prentiss G. W. & Co., Holyoke, Mass.
Roebling's John A. Sons Co., Trenton, N. J.
See adv index at end of book
Schaff Piano String Co., 2011 Clybourne av, Chicago, Ill.
Standard Steel & Wire Co., 549 West Washington blvd, Chicago, Ill.
Standard Underground Cable Co., 17th & Pike, Pittsburgh, Pa.
Washburn Wire Co., Phillipsdale, R. I.
Waterbury Company, 63 Park Row, New York
Webb Wire Works ("Purple Label"), New Brunswick, N. J.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

16958— Wire (Picture)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
ROEBLING'S JOHN A. SONS CO., Trenton, N. J. *See adv index at end of book*
Seneca Wire & Mfg. Co., Fostoria, Ohio
Tate E. H. Mop & Cordage Co., ("Best Quality"), 67 Sudbury, Boston, Mass.
Tate Mfg. Co., 48 Hamover, Boston, Mass.
Wickwire Spencer Steel Corp. (Cord), 41 E 42nd, New York
See adv index at end of book

16959— Wire (Pin)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
AMERICAN BRASS CO., Waterbury, Conn.
For branch offices see adv index at end of book
American Steel Co., Park bldg, Pittsburgh, Pa.
Bethlehem Steel Co., Bethlehem, Pa.
Chicago Steel & Wire Co., 10257 Torrence av, Chicago, Ill.
Moon Geo. C. Co., Garwood, N. J.
Scovill Mfg. Co., Waterbury, Conn.
See adv index at end of book
Seneca Wire & Mfg. Co., Fostoria, O.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Wilson Steel Products Co., Dept. H, 49th & Western av, Chicago, Ill.

16960— Wire (Pinion)

AMERICAN BRASS CO., Waterbury, Conn.
For branch offices see adv index at end of book
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Mass. Gear & Tool Co., 30 Nashua, Woburn, Mass.
Rathbone A. B. & J., Palmer, Mass.
ROEBLING'S JOHN A. SONS CO., Trenton, N. J. *See adv index at end of book*
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

16961—Wire (Plain & Galvanized)

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Atlantic Steel Co. (Open Hearth Steel), Atlanta, Ga.
Belfont Iron Works Co., Ironton, O.
Bethlehem Steel Co., Bethlehem, Pa.
Colorado Fuel & Iron Co., Denver, Colo.
Columbia Steel Corp., 351 California, San Francisco, Cal.
Crawfordsville Wire & Nail Co., Crawfordsville, Ind.
Darby Edw. J. & Sons, 319 Vine, Phila., Pa. *See adv index at end of book*
Frost Superior Fence Co., E 131st, Cleveland, O.
Gulf States Steel Co., Birmingham, Ala.
Indiana Steel & Wire Co., Muncie, Ind.

Interstate Iron & Steel Co., 104-H S. Michigan Ave., Chicago, Ill.
Jones & Laughlin Steel Co., Ross, Pittsburgh, Pa.
Kelly Nail & Iron Co., Ironton, O.
KEYSTONE STEEL & WIRE CO. (The "Red Strand" Hog, Field & Poultry Fence), Peoria, Ill.
Kokomo Steel & Wire Co., Kokomo, Ind.
Pittsburgh Steel Co. ("Pittsburgh Perfect"), 5th av & Grant, Pittsburgh, Pa.
ROEBLING'S JOHN A. SONS CO., Trenton, N. J. *See adv index at end of book*
Seneca Wire & Mfg. Co., Fostoria, O.
Velthardt Steel & Metal Corp., 15 Park Row, New York
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Wilson Steel Products Co., Dept. H, 49th & Western av, Chicago, Ill.

Wire (Platinum)

See Platinum Sheet & Wire

16962—Wire Poultry Netting

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
AMERICAN STEEL & WIRE CO. (Galvanized Before Weaving, All Meshes & Sizes), 208 S La Salle, Chicago, Ill. ***See adv index at end of book***
Anchor Post Iron Works, 50 Church, New York *See adv index at end of book*
California Wire Cloth Co., 1001 22nd Ave., Oakland, Cal.
Darby Edw. J. & Sons, 319 Vine, Phila., Pa. *See adv index at end of book*
Dwiggins Wire Fence Co., Anderson, Ind.
Estey Wire Works Co., 34 Cliff, New York
Eureka Fence Mfg. Co. ("Acme"), Richmond, Ind.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Howard & Morse, 45 Fulton, New York
Indiana Steel & Wire Co. ("U. S."), Muncie, Ind.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Ludlow-Saylor Wire Co., **Newstead av cor Wabash R. R., St. Louis, Mo.**
Seneca Wire & Mfg. Co., Fostoria, O.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Smith T. S., 269 Pearl, New York
Wickwire Bros. ("W. W."), Cortland, N. Y.
Wickwire Spencer Steel Corp. ("Excelsior" & "Clinton" Galvanized Before or After Weaving, Poultry, Rabbit), 41 E. 42nd, New York
See adv index at end of book
Wright G. L. Steel & Wire Co., 243 Stafford, Worcester, Mass.

16963— Wire (Resistance)

ALLOY METAL MFG. CO. ("Eureka" "Acme," "Electres," "Excelsior," "Silchrome" (Acme Resistance Wire, used in rheostats of all kinds. Excelsior Copper Nickel Resistance Wire used in electrical measuring instruments, radio rheostats, etc. Eureka Resistance Wire used principally for car heating purposes. Silchrome is a Resistance Wire, also known as Stainless Steel), Moore, Pa.
See adv index at end of book
AMERICAN BRASS CO. (Nickel Silver), Waterbury, Conn.
For branch offices see adv index at end of book
American Electrical Works, Phillipsdale, R. I.
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Belden Mfg. Co. (German Silver, Nickel Steel A. A.), 2316 S Western av, Chicago, Ill.
Boker H. Cutlery & Hdwr Co. "excello" "Superior" "La La"), 101 Duane, New York
Bradford, Kyle & Co., Plymouth, Mass.
Bridgeport Screw Co., Union av, Bridgeport, Conn.
Chicago Insulated Wire & Mfg. Co., Sycamore, Ill.
DRIVER-HARRIS CO. ("Nichrome," "Climax," "Advance," "193 Alloy," "Therlo," Nickel Silver), Harrison, N. J.
See adv index at end of book

RESISTANCE WIRE
FOR ELECTRICAL HEATERS AND INSTRUMENTS, ETC.
DRIVER-HARRIS CO.
Harrison, N. J.
562 West Randolph Street, Chicago, Ill.
General Motors Building, Detroit, Mich.

Electrical Alloy Co. ("Calldo," "Rayo," "Comet" Bare & Insulated Nickel & Nickel-Chromium), Morristown, N. J.
Gilby Wire Co., 108 Adams, Newark, N. J.
Harris Frederick T., 69 Sprague, Providence, R. I.
Haskins Mfg. Co., 453 Lawton, Detroit, Mich.
New England Electrical Works, Lisbon, N. H.
Phila. Insulated Wire Co., 200 N 3rd, Phila., Pa.
Riverside Metal Co. (Phosphor Bronze), Riverside, N. J.
Seneca Wire & Mfg. Co., Fostoria, O.
Seymour Mfg. Co., Seymour, Conn.
Washburn Wire Co., Phillipsdale, Providence, R. I.

16964— Wire (Resistance, Nickel Silver)

Alloy Metal Wire Co., Moore, Pa.
See adv index at end of book
AMERICAN BRASS CO., Waterbury, Conn.
For branch offices see adv index at end of book
Driver-Harris Co., Harrison, N. J.
See adv index at end of book
Electrical Alloy Co. (Bare & Insulated), Morristown, N. J.
Gilby Wire Co., 108 Adams, Newark, N. J.

16964a— Wire (Rheostat)

ALLOY METAL WIRE CO., Moore, Pa.
See adv index at end of book
Driver-Harris Co., Harrison, N. J.
See adv index at end of book
Electrical Alloy Co., Morristown, N. J.

16965— Wire (Ribbon)

Alloy Metal Wire Co., Moore, Pa.
See adv index at end of book
American Steel Co., Park bldg, Pittsburgh, Pa.
AMERICAN STEEL & WIRE CO. (Flat, Twisted), 208 S La Salle, Chicago, Ill.
See adv index at end of book
Ansonia Electrical Co. (Copper), 55-H Main, Ansonia, Conn.
Dudlo Mfg. Co., Ft. Wayne, Ind.
Gilby Wire Co., 108 Adams, Newark, N. J.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
ROEBLING'S JOHN A. SONS CO., Trenton, N. J. *See adv index at end of book*
Rome Wire Co., Rome, N. Y.
See adv index at end of book
Wilson Steel Products Co., Dept. H, 49th & Western av, Chicago, Ill.

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ROEBLING

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WIRE ROPE FITTINGS — WIRE ROPE SLINGS — WIRE STRAND
INSULATED WIRES AND CABLES

JOHN A. ROEBLING'S SONS COMPANY, TRENTON, NEW JERSEY

16966—Wire (Rivet, Staple, Screw, Etc.)

AMERICAN BRASS CO. (Brass), Waterbury, Conn.
For branch offices see adv index at end of book
American Steel Co., Park bldg, Pittsburgh, Pa.
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Bethlehem Steel Co., Bethlehem, Pa.
Cuyahoga Steel & Wire Co., P. O. Station D, Cleveland, Ohio
Driscoll Wire Co., Shelton, Conn.
Igoe Brothers, 61-73 Metropolitan av, Brooklyn, N. Y.
Interstate Iron & Steel Co., 104-H S. Michigan Ave., Chicago, Ill.
Jones & Laughlin Steel Co., Ross, Pittsburgh, Pa.
Kokomo Steel & Wire Co. (Rivet & Staple Only), Kokomo, Ind.
Moon Geo. C. Co., Garwood, N. J.
Prentiss G. W. & Co., Holyoke, Mass.
ROEBLING'S JOHN A. SONS CO., Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book
Scovill Mfg. Co. (Brass & Bronze), Waterbury, Conn.
See adv index at end of book
Seneca Wire & Mfg. Co., Fostoria, Ohio
Titchener-Diehl Co., 1844-48 W Austin av, Chicago, Ill.
Washburn Wire Co., Phillipsdale, R. I.
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*
Wilson Steel Products Co., Dept. H, 49th & Western av, Chicago, Ill.
Youngstown Sheet & Tube Co., ("Youngstown"), Youngstown, O.

16966a—Wire Rope (Cast Steel)

Leschen & Sons Rope Co., A., Kennerly & Hamilton, St. Louis, Mo.
See adv index at end of book
Moon Geo. C. Co., Garwood, N. J.
Pacific Wire Rope Co., 1840 E. 15th, Los Angeles, Cal.
Pittsburgh Wire Rope Co., Verona, Pa.
ROEBLING'S JOHN A. SONS CO. Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*
WILLIAMSPORT WIRE ROPE CO., Williamsport, Pa.
See adv index at end of book

16966b—Wire Rope (Coarse Laid Standard)

Leschen & Sons Rope Co., A., Kennerly & Hamilton, St. Louis, Mo.
See adv index at end of book
Moon Geo. C. Co., Garwood, N. J.
Pacific Wire Rope Co., 1840 E 15th, Los Angeles, Cal.
Pittsburgh Wire Rope Co., Verona, Pa.
ROEBLING'S JOHN A. SONS CO. ("Blue Center Steel"), (Reg. U. S. Pat. off), Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*
WILLIAMSPORT WIRE ROPE CO., Williamsport, Pa.
See adv index at end of book

16967—Wire Rope Coating & Lubricant

Broderick & Bascom Rope Co., 805 N Main, St. Louis, Mo.
Climax Refining Co., Williamson bldg, Cleveland, O.
Dixon Joseph Crucible Co., Jersey City, N. J.
Fischer & Hayes Rope & Steel Co., 816 W. Erie, Chicago, Ill.
See adv index at end of book
Ironsides Co. ("Ironsides" Wire & Fibre Rope Shield), Columbus, O.
Jobbers' Mfg. Co. ("Blue Ribbon"), 327 S. La Salle, Chicago, Ill.
Leschen & Sons Rope Co., A., Kennerly & Hamilton, St. Louis, Mo.
See adv index at end of book
Mackin J. A. Co. ("Rino"), 77 King av, Columbus, Ohio
MacWhyte Co. ("MacWhyte"), Kenosha, Wis.
Nason R. N. & Co., 151 Potrero av, San Francisco, Cal.
National Refining Co., Rose bldg., Cleveland, O.
Plomo Specialty Mfg. Co., Beltmont bldg., Cleveland, O.
ROEBLING'S JOHN A. SONS CO., Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book
Sero Specialty Co., 2860 E 84th, Cleveland, O.
Standard Oil Co. of New York ("Standard"), 555 W 25th, New York
Swan & Finch Co. ("Vesuvese"), 165 Broadway, New York
United States Graphite Co. (Graphite), Saginaw, Mich.
WILLIAMSPORT WIRE ROPE CO., Williamsport, Pa.
See adv index at end of book
Wire Rope Lubricating Co., 40 Clinton, Newark, N. J.

Wire Rope (Derrick & Dredging)

See Wire Rope & Cables

16968—Wire Rope (Extra Pliable)

Chicago Steel & Wire Co., 10257 Torrence Ave., Chicago, Ill.
Columbia Steel Corp., 351 California, San Francisco, Cal.
Leschen & Sons Rope Co., A., Kennerly & Hamilton, St. Louis, Mo.
See adv index at end of book
Moon Geo. C. Co., Garwood, N. J.
Pacific Wire Rope Co., 1840 E. 15th, Los Angeles, Cal.
Pittsburgh Wire Rope Co., Verona, Pa.
ROEBLING'S JOHN A. SONS CO. Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book
Wickwire Spencer Steel Corp., 41 E. 42nd, New York *See adv index at end of book*
WILLIAMSPORT WIRE ROPE CO., Williamsport, Pa.
See adv index at end of book
Wire Rope Mfg. & Equipment Co., 318 1st av S, Seattle, Wash.

16968a— Wire Rope (Extra Strong Cast Steel)

Fischer & Hayes Rope & Steel Co., 816 W. Erie, Chicago, Ill.
See adv index at end of book
Leschen & Sons Rope Co., A., Kennerly & Hamilton, St. Louis, Mo.
See adv index at end of book
Moon Geo. C. Co., Garwood, N. J.
Pacific Wire Rope Co., 1840 E 15th, Los Angeles, Cal.
Pittsburgh Wire Rope Co., Verona, Pa.
ROEBLING'S JOHN A. SONS CO. Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book
Wickwire Spencer Steel Corp., 41 E. 42nd, New York. *See adv index at end of book*
WILLIAMSPORT WIRE ROPE CO., Williamsport, Pa.
See adv index at end of book
Wire Rope Mfg. & Equipment Co., 318 1st av S, Seattle, Wash.

16968a1—Wire Rope Fittings

Am. Steel & Wire Co., 208 S. La Salle, Chicago, Ill. *See adv index at end of book*
Leschen & Sons Rope Co., A., Kennerly & Hamilton, St. Louis, Mo.
See adv index at end of book
Roebling's John A. Sons Co. ("Roebling"), Trenton, N. J.
See adv index at end of book
Wilcox Crittenden & Co. Inc., 444 S Main, Middletown, Conn.
See adv index at end of book

WIRE ROPE FITTINGS
Turnbuckles, Thimbles, Shackles, Single Hooks with Wire Rope Thimbles, Match Hooks with Wire Rope Thimbles, Pennant Hooks, Wire Rope Sockets, Open or Closed, and with Loose Hook, with Loose Swivel Hook, and with Double Swivel Hook, Switch Rope Forgings, Guy Clamps, Wire Rope Clamps and Wire Rope Clips. Furnished either Galvanized or Self Colored. All Galvanizing by the Durable Hot Process to stand Western Electric tests.
WILCOX, CRITTENDEN & CO., Inc.
444 So. Main St., Middletown, Conn.

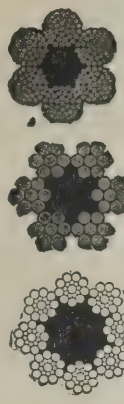
WILLIAMSPORT WIRE ROPE CO., Williamsport, Pa.
See adv index at end of book
Wire Rope Mfg. & Equipment Co., 318 1st av S, Seattle, Wash.

16968b—*Wire Rope (Flat)

ROEBLING'S JOHN A. SONS CO. Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book

16969—Wire Rope (Galvanized)

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Broderick & Bascom Rope Co., 805 N Main, St. Louis, Mo.
Columbia Steel Corp., 351 California, San Francisco, Cal.
Edwards E. H. Co., South San Francisco, Cal.
Fischer & Hayes Rope & Steel Co., 816 W. Erie, Chicago, Ill.
See adv index at end of book
Hazard Mfg. Co., Wilkes-Barre, Pa.
Larkin J. K. & Co., 253 B'way, New York
See adv index at end of book
Leschen & Sons Rope Co., A., Kennerly & Hamilton, St. Louis, Mo.
See adv index at end of book
MacWhyte Co. ("MacWhyte"), Kenosha, Wis.
Monarch Electric & Wire Co. (Steel Strand Up to One-Half Inch), 622 W Adams, Chicago, Ill.
Moon Geo. C. Co. ("Crescent"), Garwood, N. J.
Phila. Insulated Wire Co., 200 N 3rd, Phila., Pa.
Pittsburgh Wire Rope Co., Verona, Pa.
ROEBLING'S JOHN A. SONS CO., Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book
Upson-Walton Co., The, 1294 W 11th, Cleveland, O.
Waterbury Co., 63 Park Row, New York
White E. V. & Co. (Mfrs. Agents), 420 Water, Norfolk, Va.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
WILLIAMSPORT WIRE ROPE CO., Williamsport, Pa.
See adv index at end of book
Wire Rope Mfg. & Equipment Co., 318 1st av S, Seattle, Wash.



WIRE ROPE FOR ALL PURPOSES

Hoisting, hauling, derricks, cranes, elevators, guy ropes, hawsers. Made of iron, Plow Steel, or Crucible Cast Steel. Plain or Galvanized.



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41 East 42nd Street, New York

Offices and Warehouses

Worcester Buffalo San Francisco Philadelphia Detroit Los Angeles Chicago

16969a— Wire Rope (Guy)

Fischer & Hayes Rope & Steel Co., 816 W. Erie, Chicago, Ill.
See adv index at end of book

Leschen & Sons Rope Co., A., Kennerly & Hamilton, St. Louis, Mo.
See adv index at end of book

Moon Geo. C. Co. ("Crescent"), Garwood, N. J.

Pacific Wire Rope Co., 1840 E. 15th, Los Angeles, Cal.

ROEBLING'S JOHN A. SONS CO. Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book

WICKWIRE SPENCER STEEL CORP., 41 E 42nd, New York
See adv index at end of book

WILLIAMSPORT WIRE ROPE CO., Williamsport, Pa.
See adv index at end of book

Wire Rope Mfg. & Equipment Co., 318 1st av S, Seattle, Wash.

16969b—Wire Rope (Haulage or Transmission)

Edwards E. H. Co., South San Franicisco, Cal.

Fischer & Hayes Rope & Steel Co., 816 W. Erie, Chicago, Ill.
See adv index at end of book

Leschen & Sons Rope Co., A., Kennerly & Hamilton, St. Louis, Mo.
See adv index at end of book

Moon Geo. C. Co. ("Crescent"), Garwood, N. J.

Pacific Wire Rope Co., 1840 E. 15th, Los Angeles, Cal.

Pittsburgh Wire Rope Co., Verona, Pa.

ROEBLING'S JOHN A. SONS CO. Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book

Upson-Walton Co., The, 1294 W 11th, Cleveland, O.

WICKWIRE SPENCER STEEL CORP., 41 E 42nd, New York
See adv index at end of book

WILLIAMSPORT WIRE ROPE CO., Williamsport, Pa.
See adv index at end of book

Wire Rope Mfg. & Equipment Co., 318 1st av S, Seattle, Wash.

16969c—Wire Rope (Hawsers, Galvanized Steel)

American Steel & Wire Co., 208 S La Salle, Chicago, Ill. *See adv index at end of book*

Edwards E. H. Co., South San Francisco, Cal.

Fischer & Hayes Rope & Seel Co., 816 W Erie, Chicago, Ill.
See adv index at end of book

Leschen & Sons Rope Co., A., Kennerly & Hamilton, St. Louis, Mo.
See adv index at end of book

Moon Geo. C. Co., Garwood, N. J.

ROEBLING'S JOHN A. SONS CO. Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book

Upson-Walton Co., The, 1294 W 11th, Cleveland, O.

Wickwire Spencer Steel Corp., 41 E. 42nd, New York. *See adv index at end of book*

WILLIAMSPORT WIRE ROPE CO., Williamsport, Pa.
See adv index at end of book

Wire Rope Mfg. & Equipment Co., 318 1st av S, Seattle, Wash.

16969d—*Wire Rope (Hemp Clad)

Fischer & Hayes Rope & Steel Co., 816 Erie, Chicago, Ill.
See adv index at end of book

Moon Geo. C. Co. ("Crescent"), Garwood, N. J.

Seneca Wire & Mfg. Co., Fostoria, O.

Wire Rope Mfg. & Equipment Co., 318 1st av S, Seattle, Wash.

16969e— Wire Rope (Hemp Core)

Fischer & Hayes Rope & Steel Co., 816 W Erie, Chicago, Ill.

Moon Geo. C. Co. ("Crescent"), Garwood, N. J.

Pacific Wire Rope Co., 1840 E 15th, Los Angeles, Cal.

Wickwire Spencer Steel Corp., 41 E. 42nd, New York. *See adv index at end of book*

Wire Rope Mfg. & Equipment Co., 318 1st av S, Seattle, Wash.

16969f— Wire Rope (Hoisting Standard)

Leschen & Sons Rope Co., A., Kennerly & Hamilton, St. Louis, Mo.
See adv index at end of book

Moon Geo. Co., Garwood, N. J.

Pacific Wire Rope Co., 1840 E 15th, Los Angeles, Cal.

Pittsburgh Wire Rope Co., Verona, Pa.

ROEBLING'S JOHN A. SONS CO. Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book

Wickwire Spencer Steel Corp., 41 E. 42nd, New York. *See adv index at end of book*

WILLIAMSPORT WIRE ROPE CO., Williamsport, Pa.
See adv index at end of book

Wire Rope Mfg. & Equipment Co., 318 1st av S, Seattle, Wash.

16970—Wire Rope (Lang Lay)

Dufur & Co., 311 N Howard, Baltimore, Md.

Leschen & Sons Rope Co., A., Kennerly & Hamilton, St. Louis, Mo.
See adv index at end of book

Moon Geo. C. Co., Garwood, N. J.

Pacific Wire Rope Co., 1840 E 15th, Los Angeles, Cal.

ROEBLING'S JOHN A. SONS CO. Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book

WILLIAMSPORT WIRE ROPE CO., Williamsport, Pa.
See adv index at end of book

Wire Rope Mfg. & Equipment Co., 318 1st av S, Seattle, Wash.

16970a— Wire Rope (Logging)

Clyde Iron Works Sales Co., Duluth, Minn.
See adv index at end of book

Fischer & Hayes Rope & Steel Co., 816 W Erie, Chicago, Ill.

Leschen & Sons Rope Co., A., Kennerly & Hamilton, St. Louis, Mo.
See adv index at end of book

Moon Geo. Co., Garwood, N. J.

Pacific Wire Rope Co., 1840 E 15th, Los Angeles, Cal.

Pittsburgh Wire Rope Co., Verona, Pa.

ROEBLING'S JOHN A. SONS CO. Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book

Upson-Walton Co., The ("Perfection"), 1294 W 11th, Cleveland, O.

(Continued on following page)

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The Grade of which YOU can identify

This is accomplished by the Telfax System of Tape Marking which enables anyone to easily and instantly distinguish each grade. This protection is of vital and far-reaching importance to every Wire Rope user—a protection against substitution. Write for literature and prices

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Main Office and Works: Williamsport, Pa. **General Sales Office: 122 S. Michigan Ave., Chicago, Ill.**



Wire Rope (Logging)—Continued

WILLIAMSPORT WIRE ROPE CO., Williamsport, Pa.
See adv index at end of book

Wire Rope Mfg. & Equipment Co., 318 1st av S, Seattle, Wash.

16971—*Wire Rope (Mast Arm, Galvanized)

Leschen & Sons Rope Co., A., Kennerly & Hamilton, St. Louis, Mo.
See adv index at end of book

Moon Geo. C. Co., Garwood, N. J.

ROEBLING'S JOHN A. SONS CO. Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book

WILLIAMSPORT WIRE ROPE CO., Williamsport, Pa.
See adv index at end of book

16971a—Wire Rope (Monel Metal)

Bruntons, Ltd., Musselburgh, Scotland

Driver-Harris Co., Harrison, N. J.

INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book



Steel Sales Corp., 129 S Jefferson, Chicago

Upson-Walton Co. of N. Y., 291 Broadway, New York

Whitehead Metal Products Co., 261 Canal, New York

16972—Wire Rope (Mooring Lines)

Fischer & Hayes Rope & Steel Co., 816 W Erie, Chicago, Ill.
See adv index at end of book

Leschen & Sons Rope Co., A., Kennerly & Hamilton, St. Louis, Mo.
See adv index at end of book

Moon Geo. C. Co. ("Crescent"), Garwood, N. J.

ROEBLING'S JOHN A. SONS CO., Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book

Upson-Walton Co., 1294 W 11th, Cleveland, Ohio

Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

WILLIAMSPORT WIRE ROPE CO., Williamsport, Pa. *See adv index at end of book*

16972a—Wire Rope (Oil Well Drilling Lines)

Edwards, E. H. Co., South San Francisco, Cal.

Fischer & Hayes Rope & Steel Co., 816 W Erie, Chicago, Ill.
See adv index at end of book

Leschen & Sons Rope Co., A., Kennerly & Hamilton, St. Louis, Mo.
See adv index at end of book

Moon, Geo. C. Co. ("Crescent"), Garwood, N. J.

Pacific Wire Rope Co., 1840 E 15th, Los Angeles, Cal.

ROEBLING'S JOHN A. SONS CO. Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book

Upson-Walton Co., The ("Drednaut"), 1294 W 11th, Cleveland, O.

WICKWIRE SPENCER STEEL CORP., 41 E 42nd, New York
See adv index at end of book

WILLIAMSPORT WIRE ROPE CO., Williamsport, Pa.
See adv index at end of book

Wire Rope Mfg. & Equipment Co., 318 1st av S, Seattle, Wash.

16973— Wire Rope (Phosphor Bronze)

Fischer & Hayes Rope & Steel Co., 816 W Erie, Chicago, Ill.
See adv index at end of book

Hungerford U. T. Brass & Copper ("Star"), 86 Lafayette, New York

Leschen & Sons Rope Co., A., Kennerly & Hamilton, St. Louis, Mo.
See adv index at end of book

Phosphor Bronze Smelting Co., 2202 Washington av, Phila, Pa.

Reeves Paul S. & Co., 1415 Catharine, Phila., Pa.

ROEBLING'S JOHN A. SONS CO., Trenton, N. J. *See adv index at end of book*

Upson-Walton Co., 1294 W 11th, Cleveland, Ohio

Wickwire Spencer Steel Corp., 41 E 42nd, New York
See adv index at end of book

WILLIAMSPORT WIRE ROPE CO., Williamsport, Pa.
See adv index at end of book

16973a—Wire Rope (Rigging, Galvanized, Ships)

American Steel & Wire Co. (& Slings), 208 S La Salle, Chicago, Ill.
See adv index at end of book

Fischer & Hayes Rope & Steel Co., 816 W Erie, Chicago, Ill.
See adv index at end of book

Leschen & Sons Rope Co., A., Kennerly & Hamilton, St. Louis, Mo.
See adv index at end of book

Moon Geo. C. Co., Garwood, N. J.

ROEBLING'S JOHN A. SONS CO. Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book

WICKWIRE SPENCER STEEL CORP., 41 E 42nd, New York
See adv index at end of book

WILLIAMSPORT WIRE ROPE CO., Williamsport, Pa.
See adv index at end of book

Wire Rope Mfg. & Equipment Co., 318 1st av S, Seattle, Wash.

16973b—*Wire Rope (Rigging, Galvanized Steel)

Moon Geo. C. Co. ("Crescent"), Garwood, N. J.

Wickwire Spencer Steel Corp., 41 E 42nd, New York
See adv index at end of book

Wire Rope Mfg. & Equipment Co., 318 1st av S, Seattle, Wash.

16973c—Wire Rope (Seale Lay)

Fischer & Hayes Rope & Steel Co., 816 W Erie, Chicago, Ill.
See adv index at end of book

Leschen & Sons Rope Co., A., Kennerly & Hamilton, St. Louis, Mo.
See adv index at end of book

Moon Geo. C. Co., Garwood, N. J.

Pacific Wire Rope Co., 1840 E 15th, Los Angeles, Cal.

Pittsburgh Wire Rope Co., Verona, Pa.

ROEBLING'S JOHN A. SONS CO. Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book

Wickwire Spencer Steel Corp., 41 E 42nd, New York
See adv index at end of book

WILLIAMSPORT WIRE ROPE CO., Williamsport, Pa. *See adv index at end of book*

Wire Rope Mfg. & Equipment Co., 318 1st av S, Seattle, Wash.

16973d— Wire Rope Slings

FISCHER & HAYES ROPE & STEEL CO., 816 W Erie, Chicago, Ill.
See adv index at end of book

Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book

Leschen & Sons Rope Co., A., Kennerly & Hamilton, St. Louis, Mo.
See adv index at end of book

ROEBLING'S JOHN A. SONS CO. Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book

Wickwire Spencer Steel Corp., 41 E 42nd, New York
See adv index at end of book

WILLIAMSPORT WIRE ROPE CO., Williamsport, Pa.
See adv index at end of book

Wire Rope Mfg. & Equipment Co., 318 1st av S, Seattle, Wash.

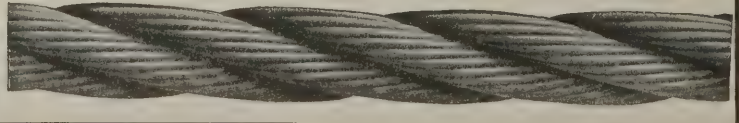
16973e— *Wire Rope (Steel)

FISCHER & HAYES ROPE & STEEL CO., 816 W Erie, Chicago, Ill.
See adv index at end of book

FISCHER & HAYES ROPE AND STEEL COMPANY

Wire Rope and Cordage

816-818 W. Erie Street, Chicago, Illinois



16973f— Wire Rope (Tiller)

Fischer & Hayes Rope & Steel Co., 816 W Erie, Chicago, Ill.
See adv index at end of book
Hungerford U. T. Brass & Copper Co. ("Star"), 86 Lafayette, New York
Leschen & Sons Rope Co., A., Kennerly & Hamilton, St. Louis, Mo.
See adv index at end of book
Moon Geo. C. Co. ("Crescent"), Garwood, N. J.
ROEBLING'S JOHN A. SONS CO. Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book
Upson-Walton Co., The ("Perfection," "Drednaut," Iron, Bright and Galvanized), 1294 W 11th, Cleveland, O.
Wickwire Spencer Steel Corp., 41 E 42nd, New York
See adv index at end of book
WILLIAMSPORT WIRE ROPE CO., Williamsport, Pa.
See adv index at end of book
Wire Rope Mfg. & Equipment Co., 318 1st av S, Seattle, Wash.

16974—Wire Rope Tramways

See also Tramways (Wire Rope)

American Steel & Wire Co. (Trenton-Bleichert System), 208 S La Salle, Chicago, Ill. *See adv index at end of book*
Blaw-Knox Co., 681 Farmers Bank bldg, Pittsburgh, Pa.
See adv index at end of book
Broderick & Bascom Rope Co., 805 N Main, St. Louis, Mo.
Denver Engng. Works Co., Denver, Colo.
Edwards, E. H. Co., South San Francisco, Cal.
Horton John T., 242 Bradhurst av, New York
Interstate Equipment Corp. ("Lawson"), 26 Cortlandt, New York
LESCHEN & SONS CO., A. (25 years of experience in designing and manufacturing Aerial Tramways for all conditions of aerial transportation), Kennerly & Hamilton, St. Louis, Mo.
See adv index at end of book
Lidgerwood Mfg. Co. (Hoisting & Conveying Cableways), 96 Liberty, New York
See adv index at end of book
LINK-BELT COMPANY, 300 W Pershing rd, Chicago, Ill.
See adv index at end of book
MacWhyte Co. ("MacWhyte"), Kenosha, Wis.
Mead-Morrison Mfg. Co. (Suspension & Railway), c Prescott & Orleans, East Boston, Mass.
Painter Tramway Co., 75 Fremont, San Francisco, Cal.
Riblet Tramway Co., Sopkane, Wash.
ROEBLING'S JOHN A. SONS CO., Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book
Ruggles Machine Co. ("Ruggles" Aerial Carriers), Poultney, Vt.
Treadwell Engineering Co., Easton, Pa.
See adv index at end of book
United Telepherage Co., 101 Park av, New York
Upson-Walton Co., The ("Perfection"), 1294 W 11th, Cleveland, O.
Vulcan Iron Works, Francisco & Kearny, San Francisco, Cal.
WILLIAMSPORT WIRE ROPE CO., Williamsport, Pa.
See adv index at end of book
Wire Rope Mfg. & Equipment Co., 318 1st av S, Seattle, Wash.

16975—Wire Rope & Cables

Ajax Rope Co. Inc., 149 Broadway, New York
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Black Steel & Wire Co., Kansas City, Mo.
Broderick & Bascom Rope Co. ("Yellow Strand"), 825 N. Main, St. Louis, Mo.
CARPENTER & CO., GEO. B., 434 N Wells, Chicago, Ill.
See adv index at end of book
Clyde Iron Works Sales Co., Duluth, Minn.
See adv index at end of book
Continental Supply Co., 1139 Olive, St. Louis, Mo.
Durable Wire Rope Co. (Durable), 93 Pearl, Boston, Mass.
Edwards, E. H. Co., South San Francisco, Cal.
Ferrin F. M., 3 Park, Boston, Mass.
Fischer & Hayes Rope & Steel Co., 816 W Erie, Chicago, Ill.
See adv index at end of book
Foster Mfg. & Supply Co., 20th & Venango Phila., Pa.
FRICK & LINDSAY CO. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Hazard Mfg. Co., Wilkes-Barre, Pa.
Kieckhefer A. Elevator Co. (Jobbers), Milwaukee, Wis.
Larkin J. K. & Co., 253 B'way, New York
See adv index at end of book

Americore
RUBBER COVERED
Wire
for interior wiring

Thoroughly Reliable—Safe—Underwriters' Endorsement

American Steel & Wire COMPANY

Chicago, New York, Cleveland
Pittsburgh, Denver, Dallas
U. S. Steel Products Company

Leschen & Sons Rope Co., A., ("Hercules"), Hamilton & Kennerly, St. Louis, Mo.
See adv index at end of book

A. LESCHEN & SONS ROPE CO.
ESTABLISHED 1857
Wire Rope for All Purposes
SOLE MAKERS OF
"HERCULES" (RED STRAND) WIRE ROPE
ST. LOUIS, MO., U. S. A.

MacWhyte Co. ("MacWhyte"), Kenosha, Wis
Meyer, Henry H. Co. (Dealers), 110 S. Howard, Baltimore, Md.
See adv index at end of book
Moon, Geo. C. Co. ("Crescent" Iron & Steel Hemp Core, Hemp Clad & Galvanized), Garwood, N. J.
Oil Well Supply Co. (Jobbers), 215 Water, Pittsburgh, Pa.
Pacific Wire Rope Co., 1840 E 15th, Los Angeles, Cal.
Pittsburgh Wire Rope Co., Verona, Pa.
Roebling's John A. Sons Co. ("Roebling"), Trenton, N. J.
See adv index at end of book
Seneca Wire & Mfg. Co., Fostoria, Ohio
Upson-Walton Co., 1100 W 11th, Cleveland, O.
Upson-Walton Co., The ("Perfection," "Drednaut"), 1294 W 11th, Cleveland, Ohio
Virginian Electric & Machine Works ("Williamsport"), Charleston, W. Va.
Washburn Wire Co., Phillipsdale, R. I.
Waterbury Co., 63 Park Row, New York
WICKWIRE SPENCER STEEL CORP., 41 E 42nd, New York
See adv index at end of book
WILLIAMSPORT WIRE ROPE CO., Williamsport, Pa.
See adv index at end of book
Wilson Steel Products Co., Dept H, 49th & Western Ave., Chicago, Ill.
Wire Rope Mfg. & Equipment Co., 318 1st av S, Seattle, Wash.
Worden W. H. Co., 126H Pine, San Francisco, Cal.

16976—Wire (Rubber Covered)

A. A. Wire Co. (Insulated "A. A."), 43 Nesbitt, Newark, N. J.
Acorn Insulated Wire Co., 77 Richards, Brooklyn, N. Y.
American Electrical Works, Phillipsdale, R. I.
AMERICAN STEEL & WIRE CO. ("Amerite" & "Americore"), 208 S La Salle, Chicago, Ill.
See adv index at end of book
Astoria Wire Co., Court, Long Island City, N. Y.
Atlantic Insulated Wire & Cable Co. ("Beacon Atlantic," "Neptune Atlantic," "Triton Atlantic," "Dolphin Atlantic"), Stamford, Conn.
Bay State Insulated Wire & Cable Co., Hyde Park, Mass.
Belden Mfg. Co. ("Beldenite"), 2316 S Western av, Chicago, Ill
Bishop Gütta-Percha Co. (Solid & Flexible), 420 E 25th, New York
Boston Insulated Wire & Cable Co. ("B. I. W."), 65 Bay, Boston, Mass.
Bourn Rubber Co., 58 Warren, Providence, R. I.
Collyer Insulated Wire Co. ("I. & L."), Pawtucket, R. I.
Crescent Insulated Wire & Cable Co., Trenton, N. J.
D. & W. Fuse Co., Providence, R. I.
Detroit Insulated Wire Co. ("Detroit"), Dept. H, Wesson & Albert, Detroit, Mich.
Driver-Harris Co., Harrison, N. J.
See adv index at end of book
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Goodrich B. F. Rubber Co., Akron, O.
Habirshaw Elec. Cable Co., 10 E 43d, New York
Independent Lamp & Rubber Co., 1733 B'way, New York
Indiana Rubber & Insulated Wire Co., ("Paranite" & "Peerless" Wires & Cables), P. O. Box 192, Jonesboro, Ind.
Kerite Insulated Wire & Cable Co. (Kerite), 30 Church, New York
Lowell Insulated Wire Co. (Solid, Stranded, Double Braid & Duplex), Lowell, Mass.
McEvoy C. H., Lowell, Mass.
Marion Insulated Wire & Rubber Mfrs. ("Eagle"), Marion, Ind.
National India Rubber Co., Bristol, R. I.
New England Cable Co., Concord, N. H.
New York Insulated Wire Co. ("Grimshaw" Black & "Raven" Core), 84 State, Boston, Mass.
Okonite Co. ("Okoloom"), Passaic, N. J.
Phila. Insulated Wire Co. (Solid & Flexible), 200 N 3rd, Phila., Pa.
Phillips Wire Co. ("Parac"), Pawtucket, R. I.
Railroad Supply Co., 203 S Dearborn, Chicago, Ill.
ROEBLING'S JOHN A. SONS CO., Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book
ROME WIRE CO. ("Rome Wire"), Rome, N. Y. *See adv index at end of book*
Safety Insulated Wire & Cable Co., 114 Liberty, New York
Simplex Wire & Cable Co. ("Simcore" "B-C"), 201 Devonshire, Boston, Mass.
STANDARD UNDERGROUND CABLE CO. ("Standard 30% Hevla," "Sterling," "Tip Top"), 17th & Pike, Pittsburgh, Pa.
Whitney-Blake Co., Dixwell & Treadwell, New Haven, Conn.

16977— Wire (Rule)

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Newman C. Wire Co., 25 Church, New York
Washburn Wire Co., Phillipsdale, R. I.

16978—Wire (Scratch Brush)

Alloy Metal Wire Co., Moore, Pa.
See adv index at end of book

AMERICAN STEEL & WIRE CO.
208 S La Salle, Chicago, Ill.

Bridgeport Screw Co., Union av, Bridgeport, Conn.
Gilby Wire Co., 108 Adams, Newark, N. J
Halstead Wire Co., Rome, N. Y.
Harris Frederick T., 69 Sprague, Providence, R. I.
Prentiss G. W. & Co., Holyoke, Mass.
Riverside Metal Co. (Phosphor Bronze), Riverside, N. J.
Wickwire Spencer Steel Corp., 41 E 42nd, New York
See adv index at end of book

16979— Wire (Screen)

Acme Fancy Wire Wks., Dept. H, Canfield & Morgan, Detroit, Mich.

AMERICAN STEEL & WIRE CO.
208 S La Salle, Chicago, Ill.
See adv index at end of book

CLEVELAND WIRE CLOTH & MFG. CO.,
3574 E 78th, Cleveland, O.
See adv index at end of book

Crown Iron Wks. Co., 1229 Tyler, Minneapolis, Minn.
Darby, Edw. J. & Sons, 319 Vine, Phila., Pa. *See adv index at end of book*
Electrical Alloy Co. (Non-Corrosive), Morristown, N. J.
Estey Wire Works Co., 34 Cliff, New York
McCluskey H. & T. & Sons (Brass, Copper & Bronze), New Haven, Conn.
Meyers Fred. J. Mfg. Co., Hamilton, O.
National Conduit & Cable Co., Hastings-on-Hudson, N. Y.
Newark Wire Cloth Co., 223 Verona av, Newark, N. J.
Phoenix Wire Wks., Kirby & Dequindre, Detroit, Mich.
SENECA WIRE & MFG. CO., Fostoria, O.
Standard Fence Co., Dept. H, 60th & Lowell, Oakland, Cal.
Twin City Iron & Wire Co., 25 W. Water, St. Paul, Minn.
Wayte, W. J. Inc., (Dealers), 5844 Grand Central Terminal, New York.
Wickwire Spencer Steel Corp., 41 E 42nd, New York
See adv index at end of book
Wilson Steel Products Co., Dept. H, 49th & Western av, Chicago, Ill.

16980—Wire Screening for Coal & Gravel Screens

Darby, Edw. J. & Sons, 319 Vine, Phila., Pa. *See adv index at end of book*
Dufur & Co., 311 N Howard, Baltimore, Md.
Estey Wire Works Co., 34 Cliff, New York
Phoenix Wire Wks., Kirby & Dequindre, Detroit, Mich.

SMITH F. P. WIRE & IRON WORKS,
2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book

16981—Wire Shapes (Special)

AMERICAN SPIRAL SPRING & MFG. CO., 5600 Harrison st, Pittsburgh, Pa.
See adv index at end of book
American Steel Co., Park bldg, Pittsburgh, Pa.

AMERICAN STEEL & WIRE CO.,
208 S La Salle, Chicago, Ill.
See adv index at end of book

Austin & Smith Co., 164 Brewery, New Haven, Conn.
See adv index at end of book
Automatic Wire Goods Mfg. Co., 386 Canal pl, New York
Autoyre Co., Oakville, Conn.
Boston Insulated Wire & Cable Co. (B. I. W."), 65 Bay, Boston, Mass.
Bridgeport Chain Co., 1000 Crescent av, Bridgeport, Conn.
See adv index at end of book
Brooks M. S. & Sons, Chester, Conn.
Campbell Wire Specialty Works (Wire Shapes of All Kinds made to Sample or Blue Print), South Bend, Ind.
Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.
Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, O.
See adv index at end of book

SHAPES—WIRE

Wire Handles, Hooks or any design you may need, plain, threaded or pointed. Send us sketch of part for price. State quantity.

THE CUYAHOGA SPRING CO.
10253 BEREA RD., CLEVELAND, OHIO

Cuyahoga Steel & Wire Co., P O Station D, Cleveland, Ohio
Eastern Tool & Mfg. Co., Bloomfield, N. J.
Gem Stamped Steel Co., Chelsea, Mass.
Gibson, Wm. D. Co. (Round & Flat Wire), 1800 Clybourn av, Chicago, Ill.
See adv index at end of book
Girard Model Wks., Girard, Pa.
Jencks E. Mfg. Co., 28 Union, Worcester, Mass.
Jenkinson R. C. & Co., 293 Washington, Newark, N. J.
Lamson & Sessions Co., 2183H Scranton rd, Cleveland, O.
Modern Wire Specialties Co., Inc., 1618 Fulton, Chicago, Ill.
Paul & Fulton, Inc., 31 W. Kinzie, Chicago, Ill.
Pioneer Wire Works, 133-135 Federal, Camden, N. J.
See adv index at end of book

ROEBLING'S JOHN A. SONS CO., Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book

Standard Steel & Wire Co., 1408 Cortland, Chicago, Ill.
Titchener-Diehl Co. (Floral Goods), 1844-48 W Austin av, Chicago, Ill.
Titchener E. H. & Co., Binghamton, N. Y.
Townsend Co., New Brighton, Pa.
See adv index at end of book
Warner Bros. Co., 325 Lafayette, Bridgeport, Conn.

WATERBURY BUTTON CORP., 831 S Main, Waterbury, Conn.
See adv index at end of book

WICKWIRE SPENCER STEEL CORP., 41 E 42nd, New York
See adv index at end of book

Young L. A. Industries Co., 9020 Russell, Detroit, Mich.

16981a— Wire (Signal)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New Lork
Habirshaw Electric Cable Co. ("Habirshaw"), 10 E 43rd, New York
Illinois Wire & Cable Co. ("Illinois"), Sycamore, Ill.
Interstate Iron & Steel Co., 104H S. Michigan Ave., Chicago, Ill.
Kerite Insulated Wire & Cable Co., Inc., 30 Church, New York
Page Steel & Wire Co., Grand Central N. Y.
Standard Underground Cable Co., 17th & Pike, Pittsburgh, Pa.
Roeblings, John & Sons Co., Trenton, N. J.
See adv index at end of book
Rome Wire Co., Rome, N. Y.
See adv index at end of book
Whitney Blake Co., Dixwell & Treadwell, Hamden, New Haven, Conn.

16981b—*Wire (Silicon Bronze)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York

ROEBLING'S JOHN A. SONS CO. Main Office: Trenton, N. J.; Works: Trenton & Robling, N. J.
See adv index at end of book

16981c— Wire (Spark Plug)

Driver-Harris Co., Harrison, N. J.
See adv index at end of book

16981d—Wire (Silicon Copper)

ALLOY METAL WIRE CO. (Silicon Copper is resistant to acids and alkalis; is non-corrosive. Used for dipping baskets, wire window screens), Moore, Pa.
See adv index at end of book

16982—Wire (Spark Point)

Alloy Metal Wire Co., Moore, Pa.
See adv index at end of book

Alloy Metal Wire Co.

Manufacturers of

Spark Plug Wire

MAIN OFFICE: MOORE, PA.
Branches: New York, Detroit, Chicago

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
Driver-Harris Co., Harrison, N. J.
See adv index at end of book
Electrical Alloy Co. ("Magno" Nickel), Morristown, N. J.
Moon Geo. C. Co., Garwood, N. J.

Wire Specialties
See Wire Goods, Bright

16983— Wire (Spindle)

ROEBLING'S JOHN A. SONS CO. Main Office: Trenton, N. J.; Works: Trenton & Roebling, N. J.
See adv index at end of book

16984— Wire (Spoke)

American Steel Co., Park bldg, Pittsburgh, Pa.

AMERICAN STEEL & WIRE CO. (Automobile, Airplane & Bicycle Wheels), 208 S La Salle, Chicago, Ill.
See adv index at end of book

Moon Geo. C. Co., Garwood, N. J.
Prentiss G. W. & Co., Holyoke, Mass.

ROEBLING'S JOHN A. SONS CO., Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book

Washburn Wire Co., Phillipsdale, R. I.
Wickwire Spencer Steel Corp., 41 E 42nd, New York
See adv index at end of book

16985— Wire (Spooled)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York

AMERICAN BRASS CO., Waterbury, Conn.
For Branch Offices see adv index at end of book

AMERICAN STEEL & WIRE CO.
208 S La Salle, Chicago, Ill.
See adv index at end of book

Ansonia Electrical Co. (Copper, Insulated), 55H Main, Ansonia, Conn.
Chicago Steel & Wire Co., 10257 Torrence Ave., Chicago, Ill.
Eastwood Wire Mfg. Co. (Brass & Copper), Belleville, N. J.

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*

Harris Frederick T., 69 Sprague, Providence, R. I.
Hough, W. S. Co., Dept H, Attleboro, Mass.
Malin & Co., 2514 Vestry av, Cleveland, O.
Prentiss G. W. & Co., Holyoke, Mass.
Riverside Metal Co. (Phosphor Bronze), Riverside, N. J.

ROEBLING'S JOHN A. SONS CO., Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book

Rome Brass & Copper Co. (Brass & Copper), Rome, N. Y.

ROME WIRE CO., Rome, N. Y.
See adv index at end of book

SENECA WIRE & MFG. CO., Fostoria, O.
Tate E. H. Mop & Cordage Co. ("Best Quality," Black Annealed Brass, Copper Tinned), 67 Sudbury, Boston, Mass.
Tate Mfg. Co., 48 Hanover, Boston, Mass.
Turner & Stanton Co., Norwich, Conn.
Washburn Co. (Wire Goods Div.), 28 Union, Worcester, Mass.

WATERBURY BRASS CO. (Brass, Copper & Nickel Silver), Waterbury, Conn.
For branch offices see adv index at end of book

Wickwire Spencer Steel Corp., 41 E 42nd, New York
See adv index at end of book
Wilson Steel Products Co. (Tinned & Coppered), Dept. H, 49th & Western av, Chicago, Ill.

16986— Wire (Spring, Brass)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York

AMERICAN BRASS CO., Waterbury, Conn.
For branch offices see adv index at end of book

Scovill Mfg. Co., Waterbury, Conn.
See adv index at end of book
Wickwire Spencer Steel Corp., 41 E 42nd, New York
See adv index at end of book

16987— Wire (Square)

Am. Steel Co., H, Park bldg, Pittsburgh, Pa.

AMERICAN STEEL & WIRE CO.
208 S La Salle, Chicago, Ill.
See adv index at end of book

Riverside Metal Co. (Phosphor Bronze), Riverside, N. J.

ROEBLING'S JOHN A. SONS CO., Trenton. N. J. *See adv index at end of book*

Rome Electrical Co. (Magnet), Rome, N. Y.
Wickwire Spencer Steel Corp., 41 E 42nd, New York
See adv index at end of book
Wilson Steel Products Co., Dept. H, 49th & Western av, Chicago, Ill.

16988—Wire (Stapling & Stitching)

Acme Steel Goods Co. ("Acme"), 2834 Archer av, Chicago, Ill.
Chicago Steel & Wire Co., 10257 Torrence av, Chicago, Ill.
Seneca Wire & Mfg. Co., Fostoria, Ohio
Wilson Steel Products Co., Dept. H, 49th & Western av, Chicago, Ill.

16989— Wire (Steel)

Alloy Metal Wire Co., 154 Nassau, New York *See adv index at end of book*
American Electrical Wks. ("Amelectric"), Phillipsdale, R. I.
Am. Steel Co., H, Park bldg, Pittsburgh, Pa.

AMERICAN STEEL & WIRE CO.
208 S La Salle, Chicago, Ill.
See adv index at end of book

Athenia Steel Co., 135 William, New York
Atlantic Steel Co. (Open Hearth), Atlanta, Ga.
Atlas Steel Corp., Dunkirk, N. Y.
Bethlehem Steel Co., Bethlehem, Pa.

Bridgeport Screw Co., Union av, Bridgeport, Conn.
Cambria Steel Co., Widener bldg, Philadelphia, Pa.
Carpenter Steel Co. (High Grade), Reading, Pa.
Cary Spring Works, 240 W 29th, New York
Cedarburg Wire & Wire Nail Co., Cedarburg, Wis.
Colorado Fuel & Iron Co., 840 17th, Denver, Colo.
Copper Clad Steel Co. ("Copperweld" Copper Clad), Braddock P. O. Rankin, Pa.
Crawfordsville Wire & Nail Co., Crawfordsville, Ind.
Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.
Darby, Edw. J. & Sons, 319 Vine, Phila., Pa. *See adv index at end of book*
Driscoll Wire Co. (Bessemer or Basic), 261H Canal, Shelton, Conn.
Feldman J. Co., Jersey City, N. J.
Fischer & Hayes Rope & Steel Co., 816 W Erie, Chicago, Ill.
Globe Wire Co. (Ltd.) (Drawn Steel), Sharpsburg, Pa.
Greaves Robt. K. & Co. (Tool), 1336 W Washington blvd, Chicago, Ill.
Gulf States Steel Co., Birmingham, Ala.
Halcomb Steel Co., (Fine Crucible & High Grade), Syracuse, N. Y.
Halstead Wire Co. (Hair Spring), Rome, N. Y.
Hamilton's T. Sons, 1340 E Berks, Philadelphia, Pa.
Harris Frederick T., 69 Sprague, Providence, R. I.
Hy-Carbo Steel Co. Inc. (Drawn Steel), H Warren, Lowell, Mass.
Igoe Brothers, 61-73 Metropolitan av, Brooklyn, N. Y.
Indiana Steel & Wire Co., Muncie, Ind.
Interstate Iron & Steel Co., 104 S Michigan av, Chicago, Ill.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Jones & Laughlin Steel Co., Rom, Pittsburgh, Pa.
Keystone Steel & Wire Co., Peoria, Ill.
Kidd Drawn Steel Co. (Coiled Crucible Polished), Aliquippa, Pa.
Kokomo Steel & Wire Co., Kokomo, Ind.
LARKIN J. K. & CO., 253 B'way, New York *See adv index at end of book*
Ludlum Steel Co. (Chrome), Watervliet, N. Y.
Merchant & Evans Co., Washington av & 21st, Philadelphia, Pa.
MICHIGAN WIRE CLOTH CO., 2100 Howard, Detroit, Mich.
See adv index at end of book
Moon Geo. C. Co., Garwood, N. J.
Newman C. Wire Co., 25 Church, New York
Norton Iron Works, Ashland, Ky.
Page Steel & Wire Co. (Cold Drawn), Grand Central Terminal, New York
Pittsburgh Steel Co. ("Pittsburgh Perfect" & Open Hearth), Pittsburgh, Pa.
Pittsburgh Tool Steel Wire Co., Monaca, Pa.
Prentiss G. W. & Co., Holyoke, Mass.
ROEBLING'S JOHN A. SONS CO. ("Roebling"), Trenton, N. J.
See adv index at end of book
Ryerson Jos. T. & Son, Inc., 2558 W 16th, Chicago, Ill. *See adv index at end of book*
SENECA WIRE & MFG. CO., Fostoria, O.
SMITH DAVID H. & SONS, Foot of 51st, Brooklyn, N. Y.
See adv index at end of book
Townsend Co., New Brighton, Pa.
See adv index at end of book
Washburn Wire Co., Phillipsdale, R. I.
Wickwire Bros., Cortland, N. Y.
WICKWIRE SPENCER STEEL CORP., 41 E 42nd, New York
See adv index at end of book
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.
YOUNGSTOWN SHEET & TUBE CO. ("Youngstown" Smooth Steel), Youngstown, Ohio *See adv index at end of book*

16990— Wire (Steel Ball)

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Atlas Steel Corp., Dunkirk, N. Y.
Driscoll Wire Co., Shelton, Conn.
Washburn Wire Co., Phillipsdale, R. I.

16991—Wire (Steel, Band & Hack Saw)

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Newman C. Wire Co., 25 Church, New York
Washburn Wire Co., Phillipsdale, R. I.

Wire (Steel Brush)

See Wire, Broom & Brush

16992—Wire (Steel Needle)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
AMERICAN STEEL & WIRE CO., Commercial Nat'l Bank bldg, Chicago, Ill.
See adv index at end of book
Atlas Steel Corp., Dunkirk, N. Y.
Crucible Steel Company of America (Cold Drawn), Oliver bldg, Pittsburgh, Pa.
Duke Steel Co. Inc., 191 Pearl, New York
Greaves Robt. K. & Co., 1336 W Washington blvd, Chicago, Ill.
Halcomb Steel Co., Syracuse, N. Y.
Pittsburgh Tool Steel Wire Co., Monaco, Pa.
Webb Wire Works, New Brunswick, N. J.
WETHERELL BROS. CO., 251 Albany, Cambridge, Mass.
See adv index at end of book

16993—Wire (Steel Spring)

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Athenia Steel Co. (Flat), 135 William, New York
Cary Spring Works, 240 W 29th, New York
Cleveland Wire Spring Co. (Oil Tempered), 1281 E 38th, Cleveland, O.
Crawfordsville Wire & Nail Co., Crawfordsville, Ind.
Gulf States Steel Co., Birmingham, Ala.
Hammacher, Schlemmer & Co. (Dirs), 133 4th Ave., New York
Hartley Geo. (Cast Steel Watch & Clock Hair Spring Wire), Waterbury, Conn.
Iron Trade Products, Farmers Bank bldg, Pittsburgh, Pa.
Newman C. Wire Co., 25 Church, New York
Page Steel & Wire Co., Grand Central Terminal, New York
Prentiss G. W. & Co., Holyoke, Mass.
ROEBLING'S JOHN A. SONS CO., Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book
Washburn Wire Co. (Clock & Motor, etc), Phillipsdale, R. I.
Waterbury Co., 63 Park row, New York
Webb Wire Works ("Blue Label"), New Brunswick, N. J.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Youngstown Sheet & Tube Co. ("Youngstown"), Youngstown, O.

16994—Wire (Steel, Telephone & Telegraph)

Amalgamated Metals Selling Co. Ltd., 42 B'way, New York
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Illinois Wire & Cable Co. ("Illinois"), Sycamore, Ill.
Indiana Steel & Wire Co., Muncie, Ind.
Joslyn Mfg. & Supply Co., Chamber of Comm. bldg, Chicago, Ill.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
ROEBLING'S JOHN A. SONS CO., Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book

16994a— *Wire (Stitching)

American Steel & Wire Co., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Bethlehem Steel Co., Bethlehem, Pa.
Seneca Wire & Mfg. Co., Fostoria, O.
See adv index at end of book

16995— Wire (Stone)

Am. Steel Co., H, Park bldg, Pittsburgh, Pa.
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
ROEBLING'S JOHN A. SONS CO., Trenton, N. J. *See adv index at end of book*
Seneca Wire & Mfg. Co., Fostoria, O.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

16996— Wire (Stove Pipe)

Am. Steel Co., H, Park bldg, Pittsburgh, Pa.
Chicago Steel & Wire Co., 10257 Torrence av, Chicago, Ill.
Seneca Wire & Mfg. Co., Fostoria, O.
Tate E. H. Mop & Cordage Co. ("Best Quality"), 67 Sudbury, Boston, Mass.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

16996a—Wire (Straightened & Cut)

American Steel Co., Park bldg, Pittsburgh, Pa.
Chicago Steel & Wire Co., 10257 Torrence av, Chicago, Ill.
Darby Edw. J. & Sons, 319 Vine, Phila., Pa. *See adv index at end of book*
Indiana Steel & Wire Co., Muncie, Ind.
Interstate Iron & Steel Co., 104H S. Michigan Ave., Chicago, Ill.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Wilson Steel Products Co., Dept. H, 49th & Western av, Chicago, Ill.
Wire & Steel Products Co., Inc., 421 E 22nd, New York
See adv index at end of book

16997— Wire (Strand)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
American Electrical Works (Copper & Galvanized Steel), Phillipsdale, R. I.
AMERICAN STEEL & WIRE CO. (Track Stand for Aerial Tramways), 208 S La Salle, Chicago, Ill.
See adv index at end of book
Broderick & Bascom Rope Co., 805 N Main, St. Louis, Mo.
Detroit Insulated Wire Co., Wesson & Albert, Detroit, Mich.
Harris Frederick T., 69 Sprague, Providence, R. I.
Hazard Mfg. Co. (Galvanized Steel), Wilkes-Barre, Pa.
Igoe Brothers, 61-73 Metropolitan av, Brooklyn, N. Y.
See adv index at end of book
Illinois Wire & Cable Co. ("Illinois"), Sycamore, Ill.
Indiana Steel & Wire Co. (Single & Double Galvanized Standard or Commercial Grade—Siemens & Martin, High Strength & Extra High Strength), Muncie, Ind.
Joslyn Mfg. & Supply Co., Chamber of Comm. bldg, Chicago, Ill.
Keystone Steel & Wire Co., Peoria, Ill.
Larkin J. K. & Co., 253 B'way, New York
See adv index at end of book
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
MacWhyte Co. ("Macwhyte"), Kenosha, Wis.
Monarch Electric & Wire Co. (Galvanized Up to One-Half Inch), 622 W Adams, Chicago, Ill.
Moon, Geo. C. Co. (Galvanized & Stone Sawing, "Crescent"), Garwood, N. J.
Riverside Metal Co. (Phosphor Bronze), Riverside, N. J.
ROEBLING'S JOHN A. SONS CO. Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book
Rome Wire Co., Rome, N. Y.
See adv index at end of book
Upson-Walton Co., 1100 W 11th, Cleveland, Ohio
Whitney-Blake Co., Dixwell & Treadwell, Hamden, New Haven, Conn.
Wickwire Spencer Steel Corp. ("Excelsior" Brand), 41 E 42nd, New York
See adv index at end of book
Wire & Steel Products Co., Inc., 421 E 22nd, New York

Wire (Submarine)

See Cables, Submarine

16998— Wire (Tack)

Am. Steel Co., H, Park bldg, Pittsburgh, Pa.
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Seneca Wire & Mfg. Co., Fostoria, Ohio
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Youngstown Sheet & Tube Co., Youngstown, O.

16999— Wire (Tag)

Am. Steel Co., H, Park bldg, Pittsburgh, Pa.
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
CONSOLIDATED STEEL STRAPPING CO., 2600-20 N Western av, Chicago, Ill.
See adv index at end of book
Igoe Brothers, 61-73 Metropolitan av, Brooklyn, N. Y.
See adv index at end of book
RQEBLING'S JOHN A. SONS CO., Trenton, N. J. *See adv index at end of book*
Seneca Wire & Mfg. Co., Fostoria, O.
Wickwire Spencer Steel Corp. (Cut or Bunched), 41 E 42nd, New York
See adv index at end of book

17000—Wire (Telephone & Telegraph)

A. A. Wire Co., Newark, N. J.
Acorn Ins. Wire Co., 77 Richards, Brooklyn, N. Y.
AMERICAN BRASS CO., Waterbury, Conn.
For branch offices see adv index at end of book
American Electrical Works, Phillipsdale, R. I.
Am. Ins. Wire & Cable Co., 254 W 21st, Chicago, Ill.
AMERICAN STEEL & WIRE CO. ("W. & M." Steel, Iron or Copper), 208 S La Salle, Chicago, Ill.
See adv index at end of book
Ansonia Electrical Co., 55H Main, Ansonia, Conn.

(Continued on following page)

Wire (Telephone & Telegraph)—Continued

Atlantic Insulated Wire & Cable Co., Stamford, Conn.
Bay State Insulated Wire & Cable Co., Hyde Park, Mass.
Belden Mfg. Co., 2316 S Western av, Chicago, Ill.
Boston Insulated Wire & Cable Co. ("B. I. W."), 65 Bay, Boston, Mass.
Bridgeport Brass Co., Dept H, Bridgeport, Conn.
Collyer Insulated Wire Co. ("IXL"), Pawtucket, R. I.
Crawfordsville Wire & Nail Co., Crawfordsville, Ind.
Detroit Copper & Brass Rolling Mills (Copper), Clark av, nr Wabash R. R., Detroit, Mich.
Detroit Insulated Wire Co., Wesson & Albert, Detroit, Mich.
Gulf States Steel Co. (Galvanized Iron & Steel), Birmingham, Ala.
Habirshaw Electric Cable Co. ("Habirshaw," "Ecco" Code), 10 E 43rd, New York
Illinois Wire & Cable Co. ("Illinois"), Sycamore, Ill.
Indiana Rubber & Insulated Wire Co. ("Paranite"), P. O. Box 192, Jonesboro, Ind.
Indiana Steel & Wire Co. (E. B. B.; B. B. & Steel Grades Double Galvanized Telephone), Muncie, Ind.
Kellogg Switchboard & Supply Co., 1066 W Adams, Chicago, Ill.
Kerite Insulated Wire & Cable Co. (Kerite), 30 Church, New York
Keystone Steel & Wire Co., Peoria, Ill.
LARKIN & CO., J. K., 253 Broadway, New York
See adv index at end of book
Lowell Insulated Wire Co. (Telephone), Lowell, Mass.
McEvoy C. H., Lowell, Mass.
Monarch Electric & Wire Co., 622 W Adams, Chicago, Ill.
National Conduit & Cable Co., Hastings-on-Hudson, N. Y.
New York Insulated Wire Co. (Telephone), 84 State, Boston, Mass.
North American Copper Co. (Copper), 52 Vanderbilt av, New York
Page Steel & Wire Co. ("Armco," "Copperweld" Copper Clad Steel), Grand Central Terminal, New York
Phila. Insulated Wire Co., 200 N 3rd, Phila., Pa.
Phillips Wire Co., Pawtucket, R. I.
ROEBLING'S JOHN A. SONS CO., Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book
ROME WIRE CO. ("Rome Wire" Copper), Rome, N. Y.
See adv index at end of book
Runzel-Lenz Mfg. Co., 1751 N Western av, Chicago, Ill.
Safety Insulated Wire & Cable Co., 114 Liberty, New York
Simplex Wire & Cable Co. ("Simcore"), 201 Devonshire, Boston, Mass.
STANDARD UNDERGROUND CABLE CO., 17th & Pike, Pittsburgh, Pa.
Washburn Wire Co (Galvanized Iron & Steel), Phillipsdale, R. I.
Western Electric Co., 463 West, New York
Whitney Blake Co., Dixwell & Treadwell, New Haven, Conn.

17001— Wire (Tinned)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
American Brass Co., Waterbury, Conn.
For branch offices see adv index at end of book
American Electrical Works (Copper), Phillipsdale, R. I.
Am. Steel Co., H, Park bldg, Pittsburgh, Pa.
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Ansonia Electrical Co., 55H Main, Ansonia, Conn.
Darby Edw. J. & Sons, 319 Vine, Phila., Pa. *See adv index at end of book*
Dudlo Mfg. Co., Ft. Wayne, Ind.
Harris Frederick T., 69 Sprague, Providence, R. I.
Igoe Brothers, 61-73 Metropolitan av, Brooklyn, N. Y.
LARKIN J. K. & CO., 253 B'way, New York *See adv index at end of book*
Moon Geo. C. Co., Garwood, N. J.
Newman C. Wire Co., 25 Church, New York
Phillips Wire Co., Pawtucket, R. I.
Prentiss G. W. & Co., Holyoke, Mass.
ROEBLING'S JOHN A. SONS CO., Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book
Rome Wire Co. ("Rome Wire" Tinned Copper), Rome, N. Y.
See adv index at end of book
SENECA WIRE & MFG. CO. (Mattress & Broom), Fostoria, O.
Spargo Wire Co. (Tinned Brass & Copper), Rome, N. Y.
Standard Underground Cable Co., 17th & Pike, Pittsburgh, Pa.
Washburn Wire Co., Phillipsdale, R. I.
Wickwire Bros., Cortland, N. Y.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

17001a— Wire (Tire)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
American Steel Co., Park bldg, Pittsburgh, Pa.
Indiana Steel & Wire Co., Muncie, Ind.
Interstate Iron & Steel Co., 104H S Michigan av, Chicago, Ill.
Moon Geo. C. Co., Garwood, N. J.
ROEBLING'S JOHN A. SONS CO. Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book
Seneca Wire & Mfg. Co., Fostoria, O.

17001b—Wire Tool Room Enclosures

Barbee Wire & Iron Works, Lafayette, Ind.
Barnes Wire Fence Co., 1930 Ferry Pk. av, Detroit, Mich.
BUFFALO WIRE WORKS CO., 453 Terrace, Buffalo, N. Y.
See adv index at end of book
DARBY EDW. J. & SONS, 319 Vine, Phila., Pa. *See adv index at end of book*
Dow Co., 201H N Buchanon, Louisville, Ky.
Estey Bros. Co., 270 Union av, Brooklyn, N. Y.
Koenig Edward L. Co., 25 W Kinzie, Chicago, Ill. *See adv index at end of book*
Wis. Iron & Wire Wks., 1660 Booth, Milwaukee, Wis.

17001c— *Wire Tree Guards

Darby Edw. J. & Sons, 319 Vine, Phila., Pa. *See adv index at end of book*
Wickwire Spencer Steel Corp. ("Excelsior Rust Proof"), 41 E 42nd, New York *See adv index at end of book*

17002— Wire Trellises

Acme Fence & Iron Co., 3502H Lake av, Cleveland, O.
Anchor Post Iron Works, 50 Church, New York *See adv index at end of book*
Brown H. S. Fence & Mfg. Co., Oakley, Cincinnati, Ohio
Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y.
See adv index at end of book
Darby Edw. J. & Sons, 319 Vine, Phila., Pa. *See adv index at end of book*
Estey Wire Works Co., 34 Cliff, New York
Howard & Morse, 45 Fulton, New York
Knapp Fence Co., 152 E 134th, Cleveland, Ohio
Page Steel & Wire Co., Adrian, Mich.
Smith John P. Co. (& Arches), Dept. H, New Haven, Conn.
Syracuse Wire Works, 101 University av, Syracuse, N. Y.
TYLER W. S. CO., Cleveland, O.
See adv index at end of book
Wickwire Spencer Steel Corp. ("Excelsior Rust Proof"), 41 E 42nd, New York *See adv index at end of book*
Wrobbel-Maine Co., The, 3106 E 63rd, Cleveland, O.

17003— Wire (Trolley)

AMERICAN BRASS CO., Waterbury, Conn.
For branch offices see adv index at end of book
American Electrical Works, Phillipsdale, R. I.
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Bridgeport Brass Co. ("Phono-Electric"), E Main, Bridgeport, Conn.
Detroit Copper & Brass Rolling Mills, Clark nr Wabash R. R., Detroit, Mich.
Illinois Wire & Cable Co. ("Illinois"), Sycamore, Ill.
National Conduit & Cable Co., Hastings-on-Hudson, N. Y.
Phillips Wire Co., Pawtucket, R. I.
ROEBLING'S JOHN A. SONS CO., Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book
ROME WIRE CO. ("Rome Wire"), Rome, N. Y.
See adv index at end of book
Standard Underground Cable Co., 17th & Pike, Pittsburgh, Pa.

17004— Wire (Tungsten)

Fansteel Products Co., 215 N Michigan av, Chicago, Ill.
Mallory P. R. Co., Port Chester, N. Y.
Pfanstiehl Co. N Chicago, Ill.

17005— Wire (Twisted)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Ansonia Electrical Co., 55H Main, Ansonia, Conn.
Independent Metal Strap Co., 56 Prince, New York
See adv index at end of book
Indiana Steel & Wire Co., Muncie, Ind.
Kokomo Steel & Wire Co., Kokomo, Ind.
Pittsburgh Steel Co. ("Pittsburgh Perfect" Galvanized Twisted Cable Fence Wire), 5th av & Grant, Pittsburgh, Pa.
ROEBLING'S JOHN A. SONS CO., Trenton, N. J. *See adv index at end of book*
Standard Underground Cable Co. (Copper Only), 17th & Pike, Pittsburgh, Pa.
Upson-Walton Co., 1294 W 11th, Cleveland, Ohio
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
WIRE & STEEL PRODUCTS CO., INC., 421 E 22nd, New York

17006— Wire (Umbrella)

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Moon Geo. C. Co., Garwood, N. J.
Newman C. Wire Co., 25 Church, New York
ROEBLING'S JOHN A. SONS CO., Trenton, N. J.
See adv index at end of book
Washburn Wire Co., Phillipsdale, R. I.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

17007— Wire (Vanadium)

Halcomb Steel Co., Syracuse, N. Y.
Washburn Wire Co., Phillipsdale, R. I.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

17008— Wire (Waterproof)

Westinghouse Electric & Mfg. Co., Pittsburgh, Pa. *See adv index at end of book*

17009— Wire (Weatherproof)

American Electrical Works ("Star"), Phillipsdale, R. I.
Am. Insulated Wire & Cable Co., 954H W 21st, Chicago, Ill.
AMERICAN STEEL & WIRE CO. (Iron), 208 S La Salle, Chicago, Ill.
See adv index at end of book
Ansonia Electrical Co. ("Shield Brand" Line Wires & Cables), 55H Main, Ansonia, Conn.
Bay State Insulated Wire & Cable Co., Hyde Park, Mass.
Belden Mfg. Co., 2316 S Western av, Chicago, Ill.
California Wire Co., Orange, Cal.
Chicago Insulated Wire & Mfg. Co., Sycamore, Ill.
Collyer Insulated Wire Co. ("IXL"; also Slow Burning), Pawtucket, R. I.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Illinois Wire & Cable Co. ("Illinois"), Sycamore, Ill.
Kerite Insulated Wire & Cable Co., (Kerite Special), 30 Church, New York
Monarch Electric & Wire Co. ("Monarch," Copper & Iron), 622 W Adams, Chicago, Ill.
National Conduit & Cable Co. (Wire & Cable), Hastings-on-Hudson, N. Y.
National India Rubber Co., Bristol, R. I.
Okonite Co., Passaic, N. J.
PEERLESS INSULATED WIRE & CABLE CO. ("Peerless Perfect Protection" Cotton Clad), 90 West, New York
Phila. Insulated Wire Co. (Also Slow Burning), 200 N 3rd, Phila., Pa.
Phillips Wire Co. ("O K" & Slow Burning), Pawtucket, R. I.
ROEBLING'S JOHN A. SONS CO., Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
See adv index at end of book
Rome Wire Co., Rome, N. Y.
See adv index at end of book
Simplex Wire & Cable Co. ("Simcore"), Boston, Mass.
Standard Underground Cable Co., 17th & Pike, Pittsburgh, Pa.
Whitney Blake Co., Dixwell & Treadwell, Hamden, New Haven, Conn.

17010— Wire (Weaving)

(Firms who Mfr. Wire for Weaving)
Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
AMERICAN BRASS CO. (Brass, Fourdrinier & "Ambrac" Metal), Waterbury, Conn.
For branch offices see adv index at end of book
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
See adv index at end of book
Am. Steel Co., H, Park bldg, Pittsburgh, Pa.
Gilby Wire Co., 108 Adams, Newark, N. Y.
Gulf States Steel Co., Birmingham, Ala.
Igoe Brothers, 61-73 Metropolitan av, Brooklyn, N. Y.
See adv index at end of book

Indiana Steel & Wire Co., Muncie, Ind.
Kokomo Steel & Wire Co., Kokomo, Ind.
Roeblings John & Sons Co., Trenton, N. J.
See adv index at end of book
SENECA WIRE & MFG. CO., Fostoria, O.
Standard Steel & Wire Co., 1408 Cortland, Chicago, Ill.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.
Youngstown Sheet & Tube Co., Youngstown, O.

17011— Wire (Welding)

(Names with * also manufacture Monel Metal)

Bierman-Everett Foundry Co., Irvington, N. J.
Carbic Mfg. Co., Duluth, Minn.
Driscoll Wire Co., Shelton, Conn.
Duke Steel Co., Inc., 191 Pearl, New York
ELEC. ARC CUTTING & WELDING CO., 152-156 Jelliff av, Newark, N. J.
See adv index at end of book
IGOE BROTHERS, 61-73 Metropolitan av, Brooklyn, N. Y.
See adv index at end of book
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Interstate Iron & Steel Co., 104H S Michigan av, Chicago, Ill.
Moon Geo. C. Co., Garwood, N. J.
OXWELD ACETYLENE CO., 30 E 42nd st, New York
See adv index at end of book
Page Steel & Wire Co. ("Armco" Iron), Grand Central Terminal, New York
Perkins Steel Co. Inc. ("Perco"), 145 Liberty, New York
Potts Horace T. & Co. (Swedish Charcoal), 316 N 3d, Phila., Pa.
Reid Avery Co. ("Raco"), 21st & Washington av, Phila., Pa.
ROEBLING'S, JOHN A., SONS CO. Main office: Trenton, N. J.; works: Trenton & Roebling, N. J.
See adv index at end of book
Searles Electric Welding Works (Electric), 821 W Washington blvd, Chicago, Ill.
SENECA WIRE & MFG. CO., Fostoria, O.
*Sholes, Inc., 186 Lafayette, New York
Townsend Co., New Brighton, Pa.
See adv index at end of book
Washburn Wire Co., Phillipsdale, R. I.
*Welding Service Co., 30 Church, New York
*Wilson Welder & Metals Co., Wilson bldg, Hoboken, N. J.

17012-13 — Wire (White Metal)

Amalgamated Metals Selling Co., Ltd., 120 E 16th, New York
Riverside Metal Co., Riverside, N. J.
Seymour Mfg. Co. (Special White), Seymour, Conn.

Wire Winding Machinery

See Machinery, Wire Winding

17014—Wire Work for Banks, Offices, Etc.

American Safety Lamp & Mine Supply Co., 1327 Capouse av, Scranton, Pa.
Baldwin Brass Works, 407 S Clinton, Chicago, Ill.
Bethlehem Fence Wks., Bethlehem, Pa.
Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y.
See adv index at end of book
Cincinnati Iron Fence Co., 3312 Spring Grove av, Cincinnati, O.
See adv index at end of book
City Wire & Iron Works, 335 N San Pedro, Los Angeles, Cal.
Cincinnati Mfg. Co., Cincinnati, O.
Darby Edw. J. & Sons, 319 Vine, Phila., Pa.
Dufur & Co., 311 N Howard, Baltimore, Md.
Estey Bros. Co., 270 Union av, Brooklyn, N. Y.
Estey Wire Works Co., 1006 Metropolitan av, New York
Fiske J. W. Iron Works, 111 Park pl, New York
Michel & Pfeffer Iron Works, 1417 Harrison, San Francisco, Cal.
New Jersey Wire Cloth Co., Trenton, N. J.
See adv index at end of book
Perkins Mfg. Co. (Store, etc.), 1821 University av, St. Paul, Minn.
See adv index at end of book
Pitt Wm. R. Composite Iron Wks., 548 W 27th, New York
Portage Iron & Wire Co., 1131 Johnson, Akron, O.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
See adv index at end of book
Sutton W. A. & Co., 926 N 19th, Phila., Pa.
TYLER W. S. CO., Cleveland, O.
See adv index at end of book
Van Dorn Iron Works Co. (The), 2700 E 79th, Cleveland, O.
See adv index at end of book
Vilsack Martin Co., 3222 Penn. av, Pittsburgh, Pa.
West Coast Wire & Iron Works, 861 Howard, San Francisco, Cal.
Wisconsin Iron & Wire Works (Woven), Milwaukee, Wis.
WROBBEL MAINE CO., THE, 3106 E 63rd, Cleveland, O.

Wire & Brazing

See Wire (Brazing)

17014a—Wire & Cable (Insulated)

U. S. Rubber Co., 1790 Broadway, New York
See adv index at end of book

17015— *Wire & Cable (Lead Covered)

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Safety Insulated Wire & Cable Co., 114 Liberty, New York
Rome Wire Co., Rome, N. Y.
See adv index at end of book
STANDARD UNDERGROUND CABLE CO., 17th & Pike, Pittsburgh, Pa.

17015a—Wire & Cable (Special Constructed)

Rome Wire Co., Rome, N. Y.
See adv index at end of book

17016—Wires (Brick Cutting)

Fairmount Tool & Forging Co. ("Fairmount"), 10611 Quincy av, Cleveland, O.
Webb Wire Works ("Red Label"), New Brunswick, N. J.
Willison J. M., East Liverpool, O.

17017— Wires (Corset)

American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
See adv index at end of book

17018— Wires (Drop)

Paragon Electric Co. ("Ironite" Insulated), 37 W Van Buren, Chicago, Ill.
Standard Underground Cable Co., 17th & Pike, Pittsburgh, Pa.

17019— Wires (Millinery)

Boston Bonnet Wire Co., 38 India, Boston, Mass.
Seneca Wire & Mfg. Co., Fostoria, O.

17020— Wires (Pointed)

Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book
Reed & Prince Mfg. Co., Worcester, Mass.

17021— Wires (Threaded)

Austin & Smith Co., 164 Brewery, New Haven, Conn. *See adv index at end of book*
Automatic Wire Goods Mfg. Co., 13-15 Canal pl, New York
Blake & Johnston Co., 1500 Thomaston av, Waterbury, Conn.
See adv index at end of book
Cuyahoga Spring Co. (The), 10253 Berea rd, Cleveland, Ohio
See adv index at end of book
Hartley Screw Products Co., Poinier, Newark, N. J.
Ohio Nut & Bolt Co., Berea, O.
Progressive Mfg. Co., Torrington, Conn.
Reed & Prince Mfg. Co., Worcester, Mass.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*

17021a— *Wiring Supplies

GENERAL ELECTRIC CO., Schenectady, N. Y.
See adv index at end of book

17022— Witherite Importers

Foote Mineral Co., 127 N 19th, Phila., Pa.

17023-4— Withes (Mast)

Wilcox, Crittenden & Co., Inc., Middletown, Conn. *See adv index at end of book*

17025-6— Wood (Bent)

Ames Bending Co., Celina, O.
Buckeye Handle, Gear & Bending Co., Alliance, O.
Carrier Lumber & Mfg. Co., Sardis, Miss.
Dann Bros. & Co. (Vehicle Bent Work, etc), New Haven, Conn.
Delphos Bending Co., Delphos, Ohio
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Gerdes & Co., 42 Church, New York
See adv index at end of book
Kohler F. F., South Zanesville, O.
Shepard H. G. & Sons, James & River, New Haven, Conn.
Von Behren Mfg. Co., Evansville, Ind.

17026a— Wood Distillation Equipment

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book

17027—Wood Distillation Plants

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
See adv index at end of book
Lummus Walter E. Co., 171 Milk, Boston, Mass.
Vulcan Copper Works, 120 Sycamore, Cincinnati, O.

17028— Wood Flour

Becker & Moore, No. Tonawanda, N. Y.
Fuerst Bros. & Co., 2 Stone, New York
Industrial Chemical Co., 200 5th av, New York
Innis, Speiden & Co. Inc., 46 Cliff, New York
Moornbeek's John C. Sons (For Explosives), Napanoch, N. Y.
Nashua Spool & Bobbin Co., Haverhill Nat'l Bank bldg, Haverhill, Mass.
Special Service Flooring Corp., 2009 Grand Central Terminal, New York

17028a— Wood (Kindling)

Bogert & Hopper Inc., 57 Barclay, New York ***See adv index at end of book***
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Standard Wood Co. (Kiln Dried, Bundle), 90H West, New York

Wood Lath

See Lath, Wood

17029—Wood (Lignumvitae)

McMillan's W. H. Sons (Rough, Turned & Sawed), 153 South, New York

Wood Modelers (Architectural)

See Carvers, Wood, Classic; also Modelers & Sculptors, Architectural

17030—Wood Novelties (Turned, Etc.)

See also Woodware & Novelties

Allen Mfg. Co. (Wood Turning & Enameling Div.), New Durham, N. H.
American Enamel Co., Providence, R. I.
American Wood Working Co., 106 Reade, New York.
Atwood Crawford Co., Pawtucket, R. I.
BOGERT & HOPPER INC., 57 Barclay, New York *See adv index at end of book*
Braman Mfg. Co., Carthage, N. Y.
Canfield Mfg. & Novelty Co., Canfield, O.
Carrom Co., Ludington, Mich.
Cullen & Vaughn Co., 450 Dayton, Hamilton, O.
Elite Mfg. Co., Aldenville, Pa.
Elmwood Button Co., Bridgeport, Conn.
ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*
Frary Mfg. Co., Charlemont, Mass.
Gilbert A. & Sons (Newspaper Files, etc.). Derby. Conn.
Hellenberg J. B. Co. (Ten Pins, Mauls & Mallets, Indian Clubs, Dumb Bells, Exercising Horizontal Bars & Trapeze Bars, etc), Coldwater, Mich.
Hill Bros. & Co., Williamsburg, Mass.
Martin Leason, Richmond, N. H.
Moore Arthur J., Wells River, Vt.
Mossman Jerome Estate, Fitchburg, Mass.
Novelty Turning Co. (& Enamels, Potato Mashers, Rolling Pins, Chopping Bowls, Toys., Furniture, Druggists' Boxes, etc), Norway, Me.
Peters F. D. & Co., Gloversville, N. Y.
Peters', Jno. M. Sons (Handles, Towel Racks, Rings, Curtain Fixtures, etc.), Bleecker, N. Y.
Peterson F. W. Co., 113 Greene, New York
Piqua Handle & Mfg. Co., P. O. Box 597, Piqua, O.
Richardi & Bechtold (Kitchen, Dairy, Bakery & Confectioners' Utensils), Bellaire, Mich.
Russell Bros. & Estes Co., Farmington, Me.
Schultz Bros. Inc., 152 Chambers, New York
Slauf Mfg. Co., 1820 S LaSalle, Chicago, Ill.
Sommer John Faucet Co. (Faucets, Mallets, Rolling Pins, Reels, Mashers, Air Vents, etc), 30 Morris av, Newark, N. J
South Bend Dowel Co., So. Lafayette, South Bend, Ind.
See adv index at end of book
Standard Turning Works, Cambridge, Mass.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book
Stowell N. S. & Co. (Spools, Tool & Small Handles, Boxes, etc), Dixfield, Me.

(Continued on following page)

WOOD PRESERVERS IN NEW YORK SINCE 1887

PROTEXOL CORPORATION

Successor to

Carbolineum Wood Preserving Company

41 Barclay St., New York, U. S. A.

WORKS
Kenilworth, N. J.

SHIPPING DEPOTS
Pittsburgh
Chicago
St. Louis

PRIMARY PRODUCTS

Protexol Wood Preservative No. 1
The most refined grade chemically treated made to the 47 year old standard of excellence. Specific Gravity 1.10 to 1.115.

Protexol Wood Preservative No. 2.
Straight run anthracene oil to meet the chemical standard for what is known as the carbolineum type of oil. Specific Gravity 1.09 to 1.13.

Neosote Wood Preservative No. 1.
A mixture of the lighter anthracene oils with heavy creosote oils. Specific Gravity 1.08.

Neosote Wood Preservative No. 2.
Heavy creosote oils. Specific Gravity 1.06.

Osco Creosote Oil.
Our standard creosote oil.

Protexide
Colorless and odorless. Produced from sodium fluoride as a base.

Creosote Oils to all recognized specifications.

A Grade for Every Purpose at a Price for Every Need.

A Gallon or a Tank Car.

Prices vary with Quality. Discounts with Quantity.

OTHER PRODUCTS

Dead Oil, Crude Carbolic Oil, Disinfectants, Shingle Oils (Pale and Dark), Neutral Oils, Protolene Wood Stains, Black Varnishes, Metal Dip, Battery Sealing Wax, Cutting and Thinning Oils, Waterproofing Enamels, Coal Tar and Pitch.

Wood Novelties (Turned, etc.)—Continued

Stratton Mfg. Co., Stratton, Me.
Strock L. W. & Co., Bethlehem, Pa.
Strombeck-Becker Mfg. Co. (Handles for Elec. Appliances, Kitchen Utensils, Twisted in Wire Brushes, Cutlery, etc.), Box 74A, Moline, Ill.
See adv index at end of book
Wausau Novelty Co., Wausau, Wis.
Western Box Co. (Druggists' Boxes, Lock Corner Boxes, etc), 326 River, Chicago, Ill.
Weston Paper & Mfg. Co. (Wood Pie Plates & Dishes), Dayton, O.

17031—Wood Preservatives

See also Creosoting Works

American Creosoting Co., Bogalusa, La.
American Tar Products ("A. T. P."), 208 S La Salle, Chicago, Ill.
Am. Wood Preserving Co. ("Antisepline" for structural timber, etc., all grades), 3743 N Marshfield av, Chicago, Ill.
Antakwa Co. ("Liberty"), 1329 Mohawk, Chicago, Ill.
Atlantic Creosoting & Wood Preserving Wks., Norfolk, Va.
Ayer & Lord Tie Co. (Timber), 80 E Jackson blvd, Chicago, Ill.
Barrett Co. (Creosote), 17 Battery pl, New York
Brown Co. (Kyanizing), Fidelity bldg, Portland, Me.
C-A-WOOD PRESERVER CO. ("C-A-Wood-Preserver"), 6210 Delmar blvd, St. Louis, Mo.
CABOT SAMUEL, INC. ("Conservo"), 141 Milk, Boston, Mass.
See adv index at end of book
Carbolineum Wood Preserving Co., 34 Water & Salmon, Portland, Ore.
Carbolineum Wood Preserving Co., 41 Barclay, New York
Certain-teed Products Corp., St. Louis, Mo.
Chipman Chemical Engng. Co. Inc. ("Atlas UP. & D."), 136 Libertyt, New York
Conrad W. P. Co. ("Creoseptine"), 114 Plymouth av N, Minneapolis, Minn.
Dielectric Mfg. Co. ("Phenoleum"), 224 S Vandeventer av, St. Louis, Mo.
Duryea Mfg. Co. ("Dureo"), Bayonne, N. J.
Eppinger & Russell Co., 165 B'way, New York
Georgia Pine Turpentine Co. of N. Y., 158 Perry, New York
Goheen Corp. of N. J., 202 Emmett, Newark, N. J.
Howard & Beal, 112 Market, San Francisco, Cal.
Hoyt C. H. & Son, Citizens bldg, Cleveland, Ohio
Indian Refining Co. ("Indian" Timber Asphalt), 244 Madison av, New York
Indianapolis Chemical Co., 1444 Madison av, Indianapolis, Ind.
International Creosoting & Construction Co., Galveston, Tex.
Lincoln Gas & Electric Light Co. (Petrosote), Lincoln, Neb.
Menzel Wm. & Son "(Ligni Salvor" Imp.), 64 Broad, New York
Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.
NORTHEASTERN CO. ("Letteney"), 239 Main, Cambridge 39, Mass.
Protectus Paint Co., North American bldg, Phila., Pa.
PROTEXOL CORP. ("Protexol," "Neosote," "Osco"), (Protexol and Neosote standardized preservatives. Also standard creosote wood preservatives; all grades of wood preserving oils. Protexol is the new name for the forty-seven-year-old product formerly produced under another name. Protexide is a colorless and odorless wood preservative. There is a warehouse near you), 41 Barclay, New York
See adv index at end of book
Reeves Co. ("Lone Star"), 805 Howard av, New Orleans, La.
REPUBLIC CREOSOTING CO. (Creosote), Merchants Bank bldg, Indianapolis, Ind. *See adv index at end of book*
S. P. F. Wood Preserving Co., Inc. ("S. P. F. Carbolineum"), 230 Main, Cambridge, Mass. & 76 Wall, New York
St. Paul White Lead & Oil Co. ("Kre-O.-Sep-Tic"), Water & Starkey, St. Paul, Minn.
Sonneborn L. Sons ("Amalie," "Karbol"), 262 Pearl, New York
Spirittine Chemical Co. ("Spiritttine"), Wilmington, N. C.
Suydam M. B. Co., 61st & Butler, Pittsburgh, Pa.
Vitrifyx Co., 2528 W Congress, Chicago, Ill.
See adv index at end of book
Woodtite Laboratories, Modesto, Cal.

Wood Preserving

See Creosoting Works

17032— Wood Pulp Mfrs.

Atterbury & McKelvey, 11 Broadway, New York
Bulkley, Dunton & Co. (Imp.), 75 Duane, New York
Coos Bay Lumber Co., Oakland, Cal.
DU PONT E. I. DE NEMOURS & CO. INC., Explosives & Smokeless Powder Depts. (See adv at Explosives), Wilmington, Del.
See adv index at end of book
Millville Pulp & Products Co., Millville, N. J.
Scotttsville Paper Box Board Corp., Scottsville, N. Y.
UNION BAG & PAPER CORP. (Ground Wood, Sulphite & Kraft), 233 B'way, New York

17032a—Wood Sawing Outfits

Hercules Corp., Evansville, Ind.
Ireland Machine & Foundry Co., Norwich, N. Y.

17033-4-5—Wood (Spool, Bobbin, Etc.)

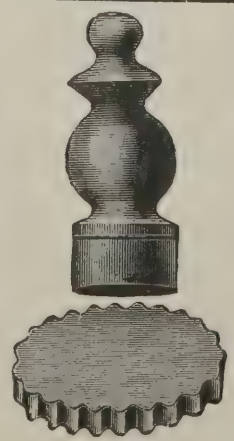
Danforth Eugene, Bangor, Me.
Ireland Machine & Foundry Co., Inc., Norwich, N. Y.
Newton & Thomas Mfg. Co. (Spools), 200 5th av, New York
Stevenson Mfg. Co., South Bend, Ind.
See adv index at end of book

Wood Turned House Trimmings

See Columns, Porch, etc., Manufacturers; also Corner, Base & Head Block Manufacturers; also Grille, Fret & Lattice Work; also Mouldings, Various Kinds; also Ornaments, Wood; also Stair Builders' Supplies

17036—Wood Turning (Architectural)

American Wood Working Co., 4345 Wabansia av, Chicago, Ill.
American Wood Working Co., 106 Reade, New York
Batavia & New York Woodworking Co., Batavia, N. Y.
Blair H. Crawford, 40 Clifford, Providence, R. I.

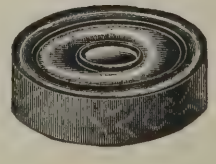


WOOD TURNINGS

of every description—Plain, Stained, Polished and Enameled in Black or Colors

Automatic Lathe Work a Specialty

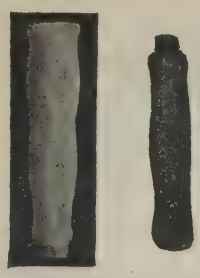




BOGERT & HOPPER, INC.

57 Barclay Street New York, N. Y.

MILLS: Maine—Vermont—Massachusetts



Wood Turnings Special Woodwork

Of All Kinds. Plain or in Any Finish

Enameled Work of Highest Quality

Manufactured by

E. B. ESTES & SONS **364 Fifth Avenue, New York**

"World's Largest Woodturners"---Estab. 1847



Buffalo Grille Co., 270 Court, Buffalo, N. Y.
Central Wood Turning Co., 610 N E Main, Minneapolis, Minn.
Chicago Millwork Supply Co. (For the Trade Only), 1404 W 37th, Chicago, Ill.
Clark G. A. Co. (House Turnings, etc), Sidney, N. Y.
Cullen & Vaughn Co., 450 Dayton, Hamilton, O.
Dickey A. & Co., 37 Bristol, Boston, Mass.
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Hillerich & Bradsley Co., Louisville, Ky.
Kiamensi Clay Co., Equitable bldg, Wilmington, Del.
Mitchell Robt. Furniture Co., 616 Race, Cincinnati, O.
New York Wood Working Corp., 502 E 19th, New York
Ohio Scroll & Lumber Co. (Inc.), Covington, Ky.
Pinches Jno. & Sons, New Britain, Conn.
Sanders Bros. Mfg. Co., Ottawa, Ill.
Schaefer Louis, 4507 Fillmore, Chicago, Ill.
Schaefer Louis, 1444 W 21st, Chicago, Ill.
South Bend Dowel Co., South Bend, Ind. *See adv index at end of book*
Staunchwood Shops, 97 Lincoln, Flushing, N. Y.
STEARNS A. T. LUMBER CO., 100 Taylor, Boston, Mass. *See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*

17037—Wood Turning & Enameling

Allen Mfg. Co. (Wood Turning & Enameling Div.), New Durham, N. H.
American Enamel Co., Providence, R. I.
Baker McMillen Co., Akron, O.
BOGERT & HOPPER INC., 57 Barclay, New York *See adv index at end of book*
Detroit Wood Products Co., 4332 Horatio, Detroit, Mich.
Ellsworth Hardwood Co., Ellsworth, Me.
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Fuller J. J., Westfield, Mass.
Handy Things Mfg. Co., Ludington, Mich.
Kiamensi Clay Co., Equitable Bldg, Wilmington, Del.
Mossman Jerome Estate, Fitchburg, Mass.
Novelty Turning Co., Norway, Me.
PETERSON F. W. CO., 113 Greene, New York
Providence Enamel Co., 456 Fountain, Providence, R. I.
Schutz Bros., 152 Chambers, New York
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Stratton Mfg. Co., Stratton, Me.
Strombeck-Becker Mfg. Co., Box 74A, Moline, Ill. *See adv index at end of book*
Sun Enamel Works (Also Japanning), Leominster, Mass.

17038—Wood Turnings (Automatic)

American Enamel Co. (Artistic & Novelty, Small Turned Woodwork), Providence, R. I.
BOGERT & HOPPER INC., 57 Barclay, New York *See adv index at end of book*
ESTES E. B. & SONS (Piano, Back Knife, Enameled, Fancy, Fireworks, Furniture, Artistic Novelty Wood), 364 5th av, New York *See adv index at end of book*
Frary Spool Co. (Small), Berlin, N. Y.
Frost Geo. T. & Sons, Paterson, N. J.
Fuller J. J., Westfield, Mass.
Kiamensi Clay Co., Equitable bldg, Wilmington, Del.
Kohant John C., 17 Green, Newark, N. J.
Nashua Spool & Bobbin Co. (Lignum Vitae, etc), Grove Hall Station, Boston, Mass.
Peterson F. W. Co., 113 Greene, New York
Prouty C. & Co., Eldred, Pa.
Rowe Henry Mfg. Co. (Handles, Draw Pulls, Balls, Spindles, etc), Newago, Mich.
Schutz Bros., 152 Chambers, New York
South Bend Dowel Co., South Bend, Ind. *See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Stratton D. A. Co., Atlantic Mine, Mich.
Stratton Mfg. Co., Stratton, Me.
Tebbets E. L. Spool Co. (Variety Turnings), Locke Mills, Me.
Thayer Geo. A., Watson, Mass.
Weber Chas. Estate, 2120 E York, Phila., Pa.

17039—Wood Turnings (Electrical)

See also Woodwork, Electrical

Allen Mfg. Co. (Wood Turning & Enameling Div.), New Durham, N. H.
American Enamel Co. (Also Enameled Turnings), Providence, R. I.
American Wood Working Co., 4345 Wabansia av, Chicago, Ill.
Bogert & Hopper Inc., 57 Barclay, New York *See adv index at end of book*
Cullen & Vaughn Co., 450 Dayton, Hamilton, O.
ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*
Fuller J. J., Westfield, Mass.
Gallup Ruffing Handle Co., Norwalk, O.
Nashua Spool & Bobbin Co., Haverhill Nat'l Bank bldg, Haverhill, Mass.
New York Carved Moulding Co., 256 E 139th, New York
Novelty Turning Co. (Handles, Knobs, Button & Cord Adjusters, etc), Norway, Me.
Slauf Mfg. Co., 1820 S LaSalle, Chicago, Ill.
SOUTH BEND DOWEL CO., South Bend, Ind. *See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Stratton Mfg. Co., Stratton, Me.
Strombeck-Becker Mfg. Co., Box 74A, Moline, Ill. *See adv index at end of book*
Thayer Geo. A., Watson, Mass.

Wood Turnings (Rope & Spiral)

See Mouldings, Various Kinds

17040— Wood Wool

Berry O. P. Co., Wolfeboro Falls, N. H.
Boston Excelsior Co., 562 W 29th, New York
Detroit Excelsior Works, 9150 Russell, Detroit, Mich.
Du Pree Mfg. Co., Atlanta, Ga.
Laird & Wilson Mfg. Co., Grandon, Wis.
Morris-Jones-Brown Mfg. Co., Dubuque, Ia.
Oshkosh Excelsior Mfg. Co., Oshkosh, Wis.
Philadelphia Excelsior Co., 716 N 3d, Phila., Pa.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*

17041—Woodenware & Novelties Mfrs.

See also Wood Novelties, Turned, etc.

Adams S. S. Co. (Jokers, Novelties, Puzzles, etc.), Plainfield, N. J.
Albion Wood & Metal Products Co. Inc., Albion, N. Y.
Allen Mfg. Co. (Wood Turning & Enameling Div.), New Durham, N. H.
Anderson Box & Basket Co. (Boxes & Baskets), Henderson, Ky.
Ault Wooden Ware Co., Cincinnati, O.
Basic Mfg. Co., Wilmington, Del.
Belding-Hall Co. (Stove Boards, etc), Belding, Mich.
Bliss Mfg. Co. (Woodenware, Mop Sticks, etc), Bliss, N. Y.
BOGERT & HOPPER INC., 57 Barclay, New York *See adv index at end of book*
California Barrel Co., 22nd & Illinois, San Francisco, Cal.
Cassady Fairbank Mfg. Co., 6126 So La Salle, Chicago, Ill.
Chapman Sargent Co. (For Kitchen, Bakery, Etc.), Piqua, O.
Coles & Co. (Jobber Baskets, Fruit Packages, etc.), 230 West, New York
Cullen & Vaughn Co., 450 Dayton, Hamilton, O.
Cummer Mfg. Co. (Woodenware, etc), Cadillac, Mich.
Cupples Samuel Woodenware Co., 7th & & Spruce, St. Louis, Mo.
Eagle Woodenware Mfg. Co., Hamilton, O.

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See adv index at end of book
Fuller J. J., Westfield, Mass.
Geneva Mfg. Co. (Specialties), Geneva, Ill.
Hall Bros. Co., West Acton, Mass.
Handy Things Mfg. Co., Ludington, Mich.
Jenkins & Bogert Mfg. Co. (Boxes, Handles, Spools, etc.), Kingfield, Me
Kautenberg W. E. Co., Freeport, Ill.
King Mfg. Co., Piqua, O.
Law Ernest & Co (Wooden Tent Poles & Pins), Harrison bldg, Phila., Pa.
Martin Leason (Chair Stock, Pails, etc), Richmond, N. H.
Menasha Woodenware Co., Menasha, Wis.
Merrill Woodenware Co., Merrill, Wis.
Moul Mfg. Co. (Folding Ironing Boards), Hanover, Pa.
Munising Woodenware Co., Piqua, Ohio
Oval Wood Dish Co. (Dishes, etc.), Delta, O.
Richardi & Bechtold, Bellaire, Mich.
Richmond Cedar Works, Fulton, Richmond, Va.
Stiles H. A. & Co., 166-174 Portland, Boston, Mass.
See adv index at end of book
Stratton Mfg. Co., Stratton, Me.
Teepe J. Chas., Inc., Mott & Vernon avs, Long Island City, N. Y.
Udell Works (House Furnishing & Kitchen Woodenware), Indianapolis, Ind.
Washington Broom & Woodenware Co., Seattle, Wash.

17041a— *Woods (Fancy)

Bogert & Hopper Inc., 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons (Harmonica, Parcel Carrier), 364 5th av, New York
See adv index at end of book

17041b— *Woods (Metal)

BELMONT SMELTING & REFINING WORKS, INC. (Belmont Brand Low Melting), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book

17041c— Woods (Pailbail)

Bogert & Hopper Inc., 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Stiles H. A. & Co., 166-174 Portland, Boston, Mass. *See adv index at end of book*
Strombeck-Becker Mfg. Co., Box 74a, Moline, Ill. *See adv index at end of book*

Woodwork (Architectural & Interior)

See Interior Hardwood Work; also Sash, Door & Blind Mfrs.

17042—Woodwork (Electrical)

See also Telephone Cabinet Work; also Wood Turnings Electrical; also Mouldings, Electric Wiring
Bogert & Hopper Inc., 57 Barclay, New York. *See adv index at end of book*

17042a—Woodwork (Turned & Shaped)

Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book

17043— Wool Carbonizers

Merrimac Chemical Co., 148 State, Boston, Mass.
PROCTOR & SCHWARTZ INC., 7th & Tabor Road, Phila., Pa.

17043a—Wool (Monel Metal)

American Steel Wool Mfg. Co., 13 Desbrosses, New York
INTERNATIONAL NICKEL COMPANY, THE, 67 Wall, New York. (See insert under Monel Metal)
See adv index at end of book
Williams Co., The, London, O.

17044— Wool Wadding

Bacon Felt Co. ("Bacon"), Winchester, Mass.
Evans & Co. ("Hygiene"), Lockport, N. Y.

17045—Wools (Scoured & Pulled Grease)

Davis-Klaber Co., 605 N 3d, Newark, N. J.
Wilson & Co., Union Stock Yds., Chicago, Ill.

17046—Wrappers (Book, Corrugated Paper)

Interstate Corrugated Box Co., 75 Front, Brooklyn, N. Y.
Thompson & Norris Co., 212 Concord & Prince, Brooklyn, N. Y.

17047— Wrappers (Coin)

California Binding Co., 272 Sutter, San Francisco, Cal.
Eastern Pin Ticket & Tag Co., Perkasie, Pa.
Eisler Anthony & Co., 227 Canal, New York
Spies John, Watertown, N. Y.
Spurgin Mfg. Co., 7011 Vincennes av, Chicago, Ill.
Standard Printing Co., Pittsburgh, Pa.
Universal Printing Co., Erie, Pa.

17048-9—Wrappers (Conduit Joint)

Phila. Electrical & Mfg. Co. ("Phila."), **1236 N 31st, Phila., Pa.**

17050—Wrappers (Excelsior)

Boston Excelsior Co., 26 Canal, Boston, Mass.
Excelsior Wrapper Co., Sheboygan, Wis.

Wrecking (Building)

See Building Materials, Second-Hand.

17050a— Wrench Sets

Champion Tool Co., Meadville, Pa.
Packer Auto Specialty Co. (Socket), 1420 S Michigan av, Chicago, Ill.
Weidenhoff Jos., 4352 W Roosevelt rd, Chicago, Ill.
Williams J. H. & Co. (Drop Forged), 400 Vulcan, Buffalo, N. Y.

17051—Wrenches (Adjustable)

Anderson Wrench Co. ("Turnmore"), Portland, Conn.
Arrow Tool Co. ("Arrow"), 800H Kensington av, Buffalo, N. Y.
Barcalo Mfg. Co., Buffalo, N. Y.
Bemis & Call Hardware & Tool Co. (S Nut & S. Pipe), 983 S Main, Springfield, Mass.
Bergman Tool Mfg. Co. ("Queen City"), 1573 Niagara, Buffalo, N. Y.
Billings & Spencer Co. ("Billings"), Hartford, Conn.
Bullock Mfg. Associates ("Bullock"), Springfield, Mass.
Chicago Tool & Kit Co. (& Solid), 160 Whiting, Chicago, Ill.
Coleman Railway Supply Co., 30 Church, New York
Corry Wrench Co., Corry, Pa.
Crescent Tool Co. ("Crescent" Drop Forged), 200 Harrison, Jamestown, N. Y.
Cushman Auto Tool Co., Champaign, Ill.
Diamond Calk-Horseshoe Co. ("Diamond"), 4700 Grand av, Duluth, Minn.
Erie Tool Works, Erie, Pa.
Fairmount Tool & Forging Co. ("Fairmount"), 10611 Quincy av, Cleveland, O.
Goodell-Pratt Co. (Aluminum Handles), Greenfield, Mass.
Greene, Tweed Co. ("Baxter"), 109 Duane, New York
Herbrand Co., Fremont, O.
Hjorth Tool Corp., 28 Taylor, Jamestown, N. Y.
Imperial Tool Co., Bloomington, Ill.
Keystone Mfg. Co. ("Westcott S." & **"Keystone" Straight Handle), Buffalo, N. Y.**
Kilborn & Bishop Co., 194 Chapel, New Haven, Conn.
Lakeside Forge Co. (Straight End & Drop Forged & Automobile, "Lakeside"), Erie, Pa.
Monte Wrench Co., Shelbyville, Ind.
Moore Drop Forging Co., Springfield, Mass.
Mossberg Frank Co. ("Sterling," "Diamond," **"Alderman," "A," "F," "K,"** "X," "Mossberg," "Junior"), Attleboro, Mass.
Oswego Tool Co., Oswego, N. Y.
Richards-Wilcox Mfg. Co. ("Richards," "Shark" & Elgin"), Aurora, Ill.
See adv index at end of book
Robinson M. W. Co. ("Carll"), 296 Bway, New York
Scholler Mfg. Co., 147 Leslie, Buffalo, N. Y.
Smith H. D. & Co. ("S" Drop Forged) Plantsville, Conn.
Star Mfg. Co. ("Elgin"), Carpentersville, Ill.
Superior Tool Co. ("Du Charme"), Cambridge, O.
Trimont Mfg. Co. ("Trimo"), 55 Amory, Roxbury, Boston, Mass.
Vichek Tool Co. ("Vichek"), 3000 E 87th, Cleveland, Ohio
Wakefield Clarence E. ("Wakefield") ("Wizard"), 474 Grove, Worcester, Mass.
Walworth Mfg. Co. ("Hex," "Parmelee"), 82H Pearl, Boston, Mass.
Walworth Mfg. Co. ("Hex"), 793 1st, Boston, Mass.
Welch T. F. Co. (Adjustable Tap), 55 Sudbury, Boston, Mass.
Williams J. H. & Co. ("Champion"), 400 Vulcan, Buffalo, N. Y.

Wrenches (Adjustable "S")

See Wrenches, "S"

17052—Wrenches (Agricultural)

Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Corry Wrench Co., Corry, Pa.
Girard Wrench Mfg. Co. ("Girard" Forged), Girard, Pa.
Muncie Malleable Castings Co., Muncie, Ind.
Peck Stow & Wilcox Co., Southington, Conn.
Union Hardware Co., Torrington, Conn.
Winchester Repeating Arms Co. ("Winchester"), 275 Winchester av, New Haven, Conn.

17053—Wrenches (Alligator)

See Also Wrenches, Always Ready
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Forsyth Metal Goods Co., E. Aurora, N. Y.
Frick & Lindsay Co. (Genuine, Dealers) Sandusky & Robinson, Pittsburgh, Pa
See adv index at end of book
Harris & Reed ("Sawvian"), 1500 W 15th, Chicago, Ill.
Hawkeye Wrench Co. (Combination), Marshalltown, Ia.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Kraeuter & Co. ("Victor"), 571 18th av, Newark, N. J.
Roebling's John A. Sons Co. ("Roebling," Reg. Trade Mark), Trenton, N. J.
See adv index at end of book
Vaughan & Bushnell Mfg. Co. ("V. & B." Handy Pattern), 2114 Carroll av, Chicago, Ill.

17053a— Wrenches (All Kinds)

Armstrong Bros. Tool Co., 339 N Francisco av, Chicago, Ill.
Lakeside Forge Co., Erie, Pa.
McMann & Taylor Co., 104 John, New York
See adv index at end of book
Mechanics Tool Co., Rockford, Ill.
Simmons John Co., 110 Centre, New York
See adv index at end of book
Vande Water Mfg. Co., Newburgh, N. Y.
Williams J. H. & Co. (Drop Forged), 400 Vulcan, Buffalo, N. Y.

17054—Wrenches (Always Ready)

Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Forsyth Metal Goods Co., E. Aurora, N. Y.
Harris & Reed ("Sawvian"), 1500 W 15th, Chicago, Ill.
Hawkeye Wrench Co. ("Superior"), Marshalltown, Ia.
Vaughan & Bushnell Mfg. Co., 2114 Carroll av,, Chicago, Ill.
Vichek Tool Co. ("Vichek"), 3000 E 87th, Cleveland, O.
Williams J. H. & Co. (Drop Forged), 400 Vulcan, Buffalo, N. Y.

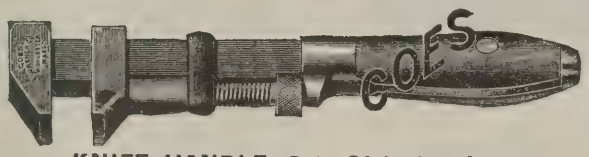
17055—Wrenches (Automobile)

Allen Mfg. Co., ("Allen" Rim or Tire), 133 Sheldon, Hartford, Conn.
See adv index at end of book
Allen Wrench & Tool Co., 754 Eddy, Providence, R. I.

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Barcalo Mfg. Co., Buffalo, N. Y.
Beckley-Ralston Co. (Dlrs.), 1801H S Michigan av, Chicago, Ill.
Bemis & Call Hardware & Tool Co. ("Auto"), 983 S Main, Springfield, Mass.
Billings & Spencer Co. ("B. & S." Drop Forged), Hartford, Conn.
Bonney Vise & Tool Works, Inc., Tilghman, Allentown, Pa.
Bossert Corp. The (To Order), cor. Linden & West av, Utica, N. Y.
COES WRENCH CO. ("Star 91"), Coes sq. Worcester, Mass.
See adv index at end of book
Crescent Tool Co., 200 Harrison, Jamestown, N. Y.
Cushman Auto Tool Co., Champaign, Ill.
Dependable Mfg. Co. ("Dependable"), 806H E Main, Streator, Ill.
Eastern Machine Screw Corp. ("H. & G."), Truman & Barclay, New Haven, Conn.
Erie Tool Works, Erie, Pa.
Essex Supply Co., 54 Polk, Newark, N. J.
Fairmount Tool & Forging Co. ("Fairmount"), 10611 Quincy av, Cleveland, O.
Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.
Goodell-Pratt Co. (Rim "Special Tempered" & Socket, etc.), Greenfield, Mass.
Harris & Reed (Stamped Steel), 1500 W 15th, Chicago, Ill.
Hill Pump Valve Co. ("Utility" Rim), 4001-21 Belmont av, Chicago, Ill.
Hill-Smith Metal Goods Co ("H S."), 82 Brookline av, Boston, Mass.
Improved Gauge Mfg. Co. ("Ford"), 105 Canal av, Syracuse, N. Y.
Lakeside Forge Co. ("Lakeside"), Erie, Pa.
Lane Will B. Unique Tool Co. ("Unique" & "Super"), 422 S Dearborn, Chicago, Ill.
McKaig-Hatch, Inc., Ontario & Skillen, Buffalo, N. Y.
Millers Falls Co. ("Millers Falls" Rim), Dept H, Millers Falls, Mass.
Moore Drop Forging Co., Springfield, Mass.
Mossberg Frank Co. ("Auto Cle" Adjustable Socket Heavy Type & End Opening Engineers, Ratchet Socket), Attleboro, Mass.
Muncie Malleable Castings Co., Muncie, Ind.
New England Pressed Steel Co., Natick, Mass.
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Oakes Co., The, Indianapolis, Ind.
Oswego Tool Co., Oswego, N. Y.
wego, N. Y.
Pedersen Mfg. Co. ("Ferret"), 636 1st av, New York
Plomb Tool Mfg. Co. (Oken End), 1119 Santa Fe, Los Angeles, Cal.
Retler-Elliott Erection Co., 155 N Clark, Chicago, Ill.
Ronson Specialty Co. ("Ronson," Nine in One), 7 Mulberry, Newark, N. J.
Starrett L. S. Co., Athol, Mass.
Thomson Drop Forge Co., Plantsville, Conn.
Trimont Mfg. Co. ("Trimo"), 55 Armory, Boston, Mass.
Vichek Tool Co. ("Vichek" Also in Sets), 8701 Mt. Auburn av, Cleveland, O.
Wakefield Clarence E. ("Wakefield").
Wakefield Clarence E. ("Wakefield"), 474 Grove, Worcester, Mass.
WALDEN-WORCESTER, INC. ("Walden-Worcester"), 475 Shrewsbury, Worcester, Mass.
See adv index at end of book
Williams J. H. & Co. (In Sets, Drop Forged), 400 Vulcan, Buffalo, N. Y.

17056— Wrenches (Basin)

B. & B. Mfg. Co., 6528 Carnegie av, Cleveland, O.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Starbuck R. M. & Sons, Hartford, Conn.
Trimont Mfg. Co. ("Trimo"), 55 Amory, Boston, Mass.
Williams J. H. & Co. ("Falcon" Waste Plug Spanner), 400 Vulcan, Buffalo, N. Y.
Woodward-Wagner Co., 1106 Spring Garden, Phila., Pa.

17057 — Wrenches (Bicycle & Pocket)

Am. Tube & Stamping Co., Dept. H, 471 Hancock, Bridgeport, Conn.
Arrow Tool Co. ("Arrow"), 800H Kensington av, Buffalo, N. Y.
Barcalo Mfg. Co., Buffalo, N. Y.
Beckley-Ralston Co. (Dlrs.), 1801H S Michigan av, Chicago, Ill.
Billings & Spencer Co. ("Billings"), Hartford, Conn.
Bonney Forge & Tool Works ("Monkey"), Tilghman, Allentown, Pa.
Girard Wrench Mfg. Co. ("Girard" Forged), Girard, Pa.
Herbrand Co., Fremont, O.
Lakeside Forge Co., Erie, Pa.
Lowentraut P. Mfg. Co., 36 Brenner Newark, N. J.
Moore Drop Forging Co., Springfield, Mass.
Mossberg Frank Co. ("Sterling No. 1," "Mossberg 74" & Junior 1"), Attleboro, Mass.
Niagara Falls Metal Stamping Works ("Niagara Vestpokitrenchiz"), Niagara Falls, N. Y.
Star Mfg. Co., Carpentersville, Ill.
Vichek Tool Co. ("Vichek"), 3000 E 87th, Cleveland, O.
Wakefield Clarence E. ("Wakefield" Adjustable), 474 Grove, Worcester, Mass.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

Wrenches (Bit Brace)

See Wrenches, Brace Socket

17058— Wrenches (Box)

Allen Wrench & Tool Co. ("Allen Box Type"), 754 Eddy, Providence, R. I.
Armstrong Bros. Tool Co. ("A" Drop Forged), 339 N Fransisco av, Chicago, Ill.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Moore Drop Forging Co., Springfield, Mass.
Williams J. H. & Co. (Hexagon & Square, Drop-Forged), 400 Vulcan, Buffalo, N. Y.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

17059—Wrenches (Brace Socket)

Braunsdorf-Mueller Co., Elizabeth, N. J.
CINCINNATI TOOL CO., Main & Waverly av, Cincinnati, Ohio
Eastern Machine Screw Corp. ("H. & G." Speed), Truman & Barclay, New Haven, Conn.
Lane Will B. Unique Tool Co. ("Unique" & "Super"), 422 S Dearborn, Chicago, Ill.
WALDEN-WORCESTER, INC. ("Walden-Worcester"), 475 Shrewsbury, Worcester, Mass.
See adv index at end of book

17060—Wrenches (Brass & Nickel Pipe)

See also Wrenches, Pipe

Belden Machine Co. ("Hayden"), Tyron, New Haven, Conn.
Bernz Otto, 17-37 Ashland, Newark, N. J.
Reed Mfg. Co., Erie, Pa.
Simmons John Co., 110 Centre, New York
See adv index at end of book
Starbuck R. M. & Sons, Hartford, Conn.
Walworth Mfg. Co. ("Walworth-Parmeler"), Boston, Mass.
Wilkins Geo. H. Co. ("Peerless" Strap), 180 N Market, Chicago, Ill.
Wolverine Brass Works, Grand Rapids, Mich.

17061—Wrenches (Bridge Builders')

Cleveland Punch & Shear Works Co., 3917 St. Clair av, N E, Cleveland, Ohio
See adv index at end of book
LOWELL WRENCH CO. (Bridge Builders & Steel Socket Reversible Ratchet), 54 Commercial, Worcester, Mass.
See adv index at end of book
Mossberg Frank Co. ("Heavy Duty" Set 19 & 20), Attleboro, Mass.
Stanley Rule & Level Co. (Atha Division), New Britain, Conn.
Williams J. H. & Co. (Drop Forged), 400 Vulcan, Buffalo, N. Y.

17061a—Wrenches (Cap Screw)

Armstrong Bros. Tool Co., 339 N Francisco av, Chicago, Ill.
Lakeside Forge Co., Erie, Pa.
Lane Will B. Unique Tool Co. ("Unique" & "Super"), 422 S Dearborn, Chicago, Ill.
Williams J. H. & Co. (Drop Forged), 400 Vulcan, Buffalo, N. Y.

17062—Wrenches (Car Builders')

Advance Car Mover Co., Appleton, Wis.
Armstrong Bros. Tool Co. ("A." Drop Forged), 339 N Francisco av, Chicago, Ill.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
FRICK & LINDSAY CO. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Lakeside Forge Co. ("Lakeside"), Erie, Pa.
Williams J. H. & Co. (Drop Forged), 400 Vulcan, Buffalo, N. Y.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

17063—Wrenches (Car Hopper)

FRICK & LINDSAY CO. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Gealy G. M. ("I X L"), Grove City, Pa.

17064—Wrenches (Carriage & Tire Bolt)

Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Custer W. F. & Son ("Handy" Tire Bolter), Summitville, Ind.
Lane Will B. Unique Tool Co. ("Unique" & "Super"), 422 S Dearborn, Chicago, Ill.
Stanley Rule & Level Co. ("O. K." Tire Bolt), New Britain, Conn.
WALDEN-WORCESTER, INC. ("Walden-Worcester"), 475 Shrewsbury, Worcester, Mass.
See adv index at end of book
Williams J. H. & Co. (Drop-Forged), 31 Richards, Brooklyn, N. Y.

17065— Wrenches (Carriage & Wagon)

Armstrong Bros. Tool Co., 339 N Francisco av, Chicago, Ill.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Dayton Car Wrench Co., 15 S Brown, Dayton, O.
Harvey Spring & Forging Co., Racine, Wis.
Joy Samuel S., Rockingham, N. H.
Lane Will B. Unique Tool Co. ("Unique" & "Super"), 422 S Dearborn, Chicago, Ill.
Mason F. C. & Co., St. Johns, Mich.
Millers Falls Co., Dept. H, Millers Falls, Mass.
Oliver-Barth Jack Co. ("Oliver," Adjustable), 348-352 Milwaukee, Milwaukee, Wis.
Stowell Co., The, South Milwaukee, Wis.
Union Malleable Iron Co., East Moline, Ill.

17066— Wrenches (Chain)

Armstrong Bros. Tool Co., 339 N Francisco av, Chicago, Ill.
Drop Forging Co. of New York ("Spartan"), 301 West Side av, Jersey City, N. J.
Greene, Tweed & Co. ("Champion"), 109 Duane, New York
Hilts Wrench & Mfg. Co. (Adjustable Pipe), Richford, N. Y.
Kroeschell Bros. Co. ("Ideal"), 440 W Erie, Chicago, Ill.
McMann & Taylor Co., 104 John, New York
See adv index at end of book
Nason Mfg. Co., 71 Fulton, New York
See adv index at end of book
Oswego Tool Co., Oswego, N. Y.
Robbins, Gamwell & Co. ("Robbins"), Pittsfield, Mass.
Trimont Mfg. Co. ("Trimo"), 55 Amory, Roxbury, Boston, Mass.
Walworth Mfg. Co. ("Gealy," Chain Tong Pipe), Boston, Mass.
Williams J. H. & Co. ("Vulcan," "Falcon," Drop Forged), 400 Vulcan, Buffalo, N. Y.

17066a— *Wrenches (Check Nut)

Lakeside Forge Co., Erie, Pa.
See adv index at end of book
Williams J. H. & Co. (Drop Forged), 400 Vulcan, Buffalo, N. Y.

17067— Wrenches (Chuck)

Billings & Spencer Co. ("B & S" Drop Forged), Hartford, Conn.
Lakeside Forge Co., Erie, Pa.
Morse Twist Drill & Machine Co. ("Morse" For Chucks), New Bedford, Mass.
Page Storms Drop Forge Co., Chicopee, Mass.

17068—Wrenches (Combination)

Bemis & Call Hardware & Tool Co. (Pipe & Nut), 983 S Main, Springfield, Mass.
Bonney Forge & Tool Works ("Bonney Combination," "Vixen" Nut & Pipe), Tilghman, Allentown, Pa.
Erie Tool Works, Erie, Pa.
Grammes L. F. & Sons, 311 Union, Allentown, Pa. *See adv index at end of book*
Hawkeye Wrench Co. (Crocodile), Marshalltown, Ia.
Monte Wrench Co., Shelbyville, Ind.
Morse A. J. & Son Inc. (Hydrant), 221 High, Boston, Mass.
Niagara Falls Metal Stamping Works (Ten Tool in One), Niagara Falls, N. Y.
Simmons John Co., 110 Centre, New York
See adv index at end of book
Stortz Jno. & Son, 210 Vine, Phila., Pa.
Union Hardware Co. ("Tower's" Pipe & Nut), Torrington, Conn.

17068a— Wrenches (Construction)

Armstrong Bros. Tool Co., 339 N Francisco av, Chicago, Ill.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Lakeside Forge Co., Erie, Pa.
Williams J. H. & Co. (Drop Forged), 31 Richards, Brooklyn, N. Y.

Wrenches (Crocodile)

See Wrenches, Alligator

17069— Wrenches (Dog)

Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Le Count Wm. G. (Steel), South Norwalk.
Williams J. H. & Co. ("Vulcan"), 400 Vulcan, Buffalo, N. Y.

17070—Wrenches (Drop Forged)

Allen Wrench & Tool Co. (Pipe, Ratchet & Socket), 754 Eddy, Providence, R. I.
Armstrong Bros. Tool Co., 339 N Francisco av, Chicago, Ill.
Arrow Tool Co. ("Arrow"), 300H Kensington av, Buffalo, N. Y.
Barcalo Mfg. Co., Buffalo, N. Y.
Bemis & Call Hardware & Tool Co., (Adjustable "S," Pipe, Nut & Screw), 983 S Main, Springfield, Mass.
Billings & Spencer Co., Hartford, Conn.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Brown R. H. & Co., 198H Brown, West Haven, Conn.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Champion Tool Co., Meadville, Pa.
Crescent Tool Co. ("Crescent"), 200H Harrison, Jamestown, N. Y.
Drop Forging Co. of N. Y., 301 West Side av, Jersey City, N. J.
Eccles Richard Co., Auburn, N. Y.
Fairmount Tool & Forging Co. ("Fairmount)" 10611 Quincy av, Cleveland, O.
Girard Wrench Mfg. Co. ("Girard"), Girard.
Harbison Mfg. Co., Kansas City, Mo.
Hawkeye Wrench Co., Marshalltown, Ia.
Herbrand Co., Fremont, Ohio
Lakeside Forge Co. ("Lakeside"), Erie, Pa.
Moore Drop Forging Co., Springfield, Mass.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Rhode Island Tool Co., Providence, R. I.
Robinson M. W. Co. ("Carll", Nut & Pipe), 296 B'way, New York
Thomson Drop Forge Co., Plantsville, Conn.
Vaughan & Bushnell Mfg. Co., 3114 Carroll av, Chicago, Ill.
Vlchek Tool Co. ("Vlchek"), 3000 E 87th, Cleveland, O.
Wakefield Clarence E. ("Wakefield"), 89 Exchange, 474 Grove, Worcester, Mass.
Western Tool & Forge Co, Brackenridge, Pa.
Whitaker Mfg. Co. (Steel), 409 S Green, Chicago, Ill.
Whitaker Mfg. Co. ("Triple Diamond" Steel), 409 S Green, Chicago, Ill.
Williams J. H. & Co. (Light & Heavy Service), 400 Vulcan, Buffalo, N. Y.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

17071—Wrenches (Engineers' & Machinists')

SCREW & MONKEY PATTERN

Armstrong Bros. Tool Co., 339 N Francisco av, Chicago, Ill.
Barcalo Mfg. Co., Buffalo, N. Y.
Beckley-Ralston Co., 1801 S Mich av, Chicago, Ill.
Bemis & Call Hardware & Tool Co. ("Briggs," "Merrick," Pattern), 983 S Main, Springfield, Mass.
Bonney Forge & Tool Works (Thin Wrenches, Drop Forged), Tilghman, Allentown, Pa.
Bridgeport Hdwe. Mfg. Corp. ("Ready "Grip"), 461 Irving av, Bridgeport, Conn.
Chester Steel Castings Co., Chester, Pa.
COES WRENCH CO. ("Coes"), Coes sq, Worcester, Mass.
See adv index at end of book
Collins Co., Collinsville, Conn.
Corry Wrench Co., Corry, Pa.
Crescent Tool Co. ("Crescent" Drop Forged Adjustable), 200H Harrison, Jamestown, N. Y.
Cushman Auto Tool Co., Champaign, Ill.
Detroit Model Machine W'ks, Tremont, O.
Erie Tool Works, Erie, Pa.
Fairmount Tool & Forging Co. ("Fairmount"), 10611 Quincy av., Cleveland, O.
Girard Wrench Mfg. Co. ("Girard" Forged Monkey), Girard, Pa.
Hawkeye Wrench Co. ("Hawkeye"), Marshalltown, Ia.
Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.
Herbrand Co., Fremont, O.
Hilt's Wrench & Mfg. Co. ("Hilts'" Adjustable Drop Forged), Richford, N. Y.
Hjorth Tool Corp. (Malleable Handle), 28 Taylor, Jamestown, N. Y.
Joy A. P., Rockingham, N. H.
Ketler-Elliott Co. ("Ketoco"), 31st & California, Chicago, Ill.
Kilborn & Bishop Co., 194 Chapel, New Haven, Conn.
Lakeside Forge Co., Erie, Pa.
LOWELL WRENCH CO. ("Lowell" "Reversible" Ratchet), 54 Commercial, Worcester, Mass.
See adv index at end of book
Lutz Co. Inc. ("Lutz"), Dept H, Morris & Bambrey, Phila., Pa.
McMann & Taylor Co., 104 John, New York
See adv index at end of book
Mason F. C. & Co. ("Mason"), St. Johns, Mich.
Meadville Wrench Co. (Steel Handled Railroad Wrenches), Meadville, Pa.
Monte Wrench Co. ("Monte" Wood Handle), Shelbyville, Ind.
Mossberg Frank Co. ("Thin Model" Pressed Steel Engineers, Single & Double End Type), Attleboro, Mass.
Muncie Malleable Castings Co., Muncie, Ind.
Peck Stow & Wilcox Co. ("P. S. & W." Solid Handle), Southington, Conn.
Pratt Wm. E. Mfg. Co. ("Superior"), 35 W Lake, Chicago, Ill.
Richards-Wilcox Mfg. Co., Aurora, Ill.
See adv index at end of book
Ronson Specialty Co., 7 Mulberry, Newark, N. J.
SIMMONS JOHN CO., 110 Centre, New York *See adv index at end of book*
Smith H. D. & Co. ("Perfect Handle," Drop Forged), Plantsville, Conn.
Syracuse Wrench Co., 325 N Fayette, Syracuse, N. Y.
Trimont Mfg. Co. ("Trimo"), 55 Emory, Boston, Mass.
Union Hardware Co., Torrington, Conn.
Vlchek Tool Co. ("Vlchek" Single & Double Head), 3000 E 87th, Cleveland, O.
Wakefield Clarence E. ("Wakefield" Adjustable), 474 Grove, Worcester, Mass.
WALDEN-WORCESTER INC. ("Walden-Worcester"), 475 Shrewsbury, Worcester, Mass. *See adv index at end of book*
Williams J. H. & Co. (Cap Screw Drop Forged), 400 Vulcan, Buffalo, N. Y.
Winchester Repeating Arms ("Winchester"), 275 Winchester av, New Haven, Conn.

17072— Wrenches (Fixture)

Superior Tool Co. ("Du Charme"), Cambridge, O.
Yost Electric Mfg. Co. ("Falcon"), Toledo, Ohio

Reversible Ratchet Wrenches



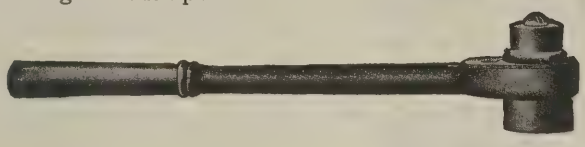


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17073— Wrenches (Flange)

Nye Tool & Machine Works (Ratchet), 108 N Jefferson, Chicago, Ill.
Strong, Carlisle & Hammond Co. ("Strong Utility"), 336 Frankfort av N W, Cleveland, O.

17074—Wrenches for Underground Valves

Darling Valve & Mfg. Co., Williamsport, Pa.
Kennedy Valve Mfg. Co., Elmira, N. Y.
See adv index at end of book

17075—Wrenches (Fruit Jar)

Arcade Mfg. Co. ("Little Giant"), Freeport, Ill.
Cassady Fairbanks Mfg. Co. ("Cinch"), 6126 S La Salle, Chicago, Ill.
Forbes Benj. P. Co. ("Triumph"), 3736 W 36th, Cleveland, O.
Glenny Wm. Glass Co. ("Glenny"), 10 W Commerce, Cincinnati, O.
Kobler Die & Specialty Co., De Kalb, Ill.
Parker Wire Goods Co., Worcester, Mass.
SMITH & HEMENWAY CO. INC. ("Red Devil" Drop Forged Lag Screw & Bolt), 261H Broadway, New York, and 130H Coit, Irvington, N. J.
See adv index at end of book
Titchener-Diehl Co., 1844-48 W Austin av, Chicago, Ill.
Wickwire Spencer Steel Corp., 41 E 42nd, New York *See adv index at end of book*
Wolverine Supply & Mfg. Co. ("Little Giant" Holder & Opener), Page & Fontella, Pittsburgh, Pa.

17076-7-8—Wrenches (Gas Cock)

Malleable Iron Fittings Co. ("M. I. F. Co.") Branford, Conn.

17079—Wrenches (Hydrant)

Morse A. J. & Son, Inc., 221 High, Boston, Mass.
Williams J. H. & Co. (Drop Forgings), 31 Richards, Brooklyn, N. Y.

17080—*Wrenches (Key Adjusting)

COES WRENCH CO., Coes sq, Worcester, Mass *See adv index at end of book*

17081—Wrenches (Knife Handle)

COES WRENCH CO. ("Knife-Handle"), Coes sq, Worcester, Mass.
See adv index at end of book
Cushman Auto Tool Co., Champaign, Ill.

17082-3-4—Wrenches (Log Screw)

Dicke Tool Co., Downers Grove, Ill.
Klein Mathias & Sons, 3200 Belmont av, Chicago, Ill.
LOWELL WRENCH CO. ("Lag Screw" Reversible Ratchet), 54 Commercial, Worcester, Mass.
See adv index at end of book

17085—Wrenches (Locomotive)

Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Erie Tool Works, Erie, Pa.
Lakeside Forge Co., Erie, Pa.
Williams J. H. & Co. (Drop Forged), 400 Vulcan, Buffalo, N. Y.

17086-7—*Wrenches (Metal Handle)

COES WRENCH CO. ("Star 91"), Coes sq, Worcester, Mass.
See adv index at end of book

17088— Wrenches (Pin)

Billings & Spencer Co. ("B. & S." Drop Forged Steel), Hartford, Conn.
Williams J. H. & Co., 31 Richards, Brooklyn, N. Y.

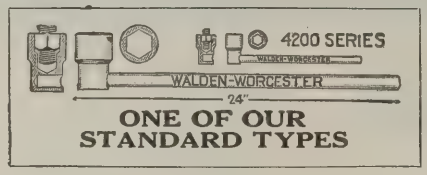
17089— Wrenches (Pipe)

Armstrong Mfg. Co. ("Armstrong"), 305 Knowlton, Bridgeport, Conn.
Belden Machine Co. ("Hayden," Brass & Nickel), Tyron, New Haven, Conn.
Bemis & Call Hardware & Tool Co. (Combination Pipe & Nut), 983 S Main, Springfield, Mass.
Billings & Spencer Co. ("B. & S." Chain) Hartford, Conn.
Bonney Forge & Tool Works ("Always Ready" Stillson "Crocodile" Adjustable "S"), Dept. H, Tilghman, Allentown, Pa.
Bullock Mfg. Associates, Springfield, Mass.
Buschle Sons Mfg. Co., 407 Poplar, Cincinnati, O.
Coleman Railway Supply Co. ("Craftsman"), 30 Church, New York
Continental Supply Co., Post-Dispatch bldg, St. Louis, Mo.
Crane Co., 836 S Michigan av, Chicago, Ill.
See adv index at end of book
Danielson J. P. & Co. Inc., Jamestown, N. Y.
Darling Valve Mfg. Co. (Ltd.), Williamsport, Pa.
Drop Forging Co. of New York ("Spartan" Chain), 301 West Side av, Jersey City, N. J.
Efficiency Device Corpn., 199 8th, Long Island City, N. Y.
Erie Tool Works, Erie, Pa.
Great Lakes Forge Co., 14 E Jackson blvd, Chicago, Ill.
Greene Tweed & Co. ("Brock"), 109 Duane, New York
Greene, Tweed & Co. ("Champion"), 109 Duane, New York
Greenfield Tap & Die Corp. ("G. T. D."), Greenfield, Mass.
Harris Pump & Supply Co., 318 2nd av, Pittsburgh, Pa.
See adv index at end of book
Hawkeye Wrench Co. ("Hawkeye" & "Superior"), Marshalltown, Ia.
Hilts Wrench & Mfg. Co. ("Hilts," "Eclipse," "Comet" & Adjustable Chain), Richford, N. Y.
Keystone Mfg. Co. ("Westcott" Adjustable), Buffalo, N. Y.
Kraeuter & Co. ("Victor" Alligator), 583 13th av, Newark, N. J.
Kroeschell Bros. Co. ("Ideal"), 440 W Erie, Chicago, Ill.
Lakeside Forge Co. ("Lakeside"), Erie, Pa.
Lutz Co. Inc. ("Lutz" with Friction Ratchet), Dept H, Morris & Bambrey, Phila., Pa.
McMann & Taylor Co., 104 John, New York
See adv index at end of book
Manning Maxwell & Moore Inc. (& Nut), 100 E 42nd, New York
See adv index at end of book
Mechanical Specialties Mfg. Co. ("Como"), 1619 N Washtehaw av, Chicago, Ill.
Monte Wrench Co., Shelbyville, Ind.
Moore Drop Forging Co., Springfield, Mass.
Nason Mfg. Co., 71 Fulton, New York
See adv index at end of book
Oil Well Supply Co. ("O."), 215 Water, Pittsburgh, Pa.
Oswego Tool Co. ("Standard" Stillson), Dept H, Oswego, N. Y.
Peck Stow & Wilcox Co. ("Pexto"), Southington, Conn.
Pfeifer F. ("Johnston"), 33 Warren, New York
Robbins, Gamwell & Co., Pittsfield, Mass.
Smith H. D. & Co. ("Perfect Handle") Plantsville, Conn.
Star Mfg. Co. ("Elgin" Pipe Jaw), Carpentersville, Ill.
Stearns Mfg. Co., Toledo, O.
Trimont Mfg. Co.("Trimo"), 55 Amory, Boston, Mass.
Vaughan & Bushnell Mfg. Co. ("V. & B. Grip," Drop Forged Steel), 2114 Carroll av, Chicago, Ill.
Wakefield Clarence E. ("Wakefield," Quick "Adjustable"), 474 Grove, Worcester, Mass.

(Continued on following page)

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Williams J. H. & Co. ("Vulcan" & "Falcon" Drop Forged), 400 Vulcan, Buffalo, N. Y.
Winchester Repeating Arms Co. ("Ireland" Drop Forged), New Haven, Conn.
Wolverine Brass Co., Grand Rapids, Mich.

17090— Wrenches (Pipe & Pipe Cutter Combined)

Bonney Forge & Tool Works ("C. V."), Tilghman, Allentown, Pa.

17091—Wrenches (Ratchet)

See also Drills, Ratchet

Abegg & Reinhold Co., 2533 E 26th, Los Angeles, Cal.
Allen Wrench & Tool Co., 754 Eddy, Providence, R. I.
Burgess & Norton Mfg. Co. ("Stephens"), Geneva, Ill.
C. M. B. Wrench Co. ("Silver King," Adjustable Handle Socket Ratchet, "Auto Queen," Factory, Machinists), Garwood, N. J.
Custer Coupling Co. ("Custer"), Bradford, Pa.
FRICK & LINDSAY CO. (Car, Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Greene, Tweed & Co. ("Favorite," Reversible), 109 Duane, New York
Irving Mfg. & Tool Co., 157 Chambers, New York
Keystone Mfg. Co. ("Keystone" Reversible), Buffalo, N. Y.
Lane Will B. Unique Tool Co. ("Unique" & "Super"), 422 S Dearborn, Chicago, Ill.
Lovejoy Tool Works, 319 W Ohio, Chicago, Ill.
See adv index at end of book
LOWELL WRENCH CO., ("Multiplex" Reversible), 54 Commercial, Worcester, Mass. *See adv index at end of book*
Lutz Co. Inc. (For Bolts & Nuts), Dept H, Morris & Bambrey, Phila., Pa.
Maytag Co. ("Hawkeye" for Thrasher Cylinders), Newton, Ia.
Mossberg Frank Co. ("Mossberg" "Auto-Cle" Flat, Handle, Ratchet, Reversible & Non-Reversible Socket), Attleboro, Mass.
North Bros. Mfg. Co. ("Yankee"), Lehigh av & American), Phila., Pa.
Richards-Wilcox Mfg. Co. ("Wizard" Adjustable), Aurora, Ill.
See adv index at end of book
Sedgley R. F. ("Hexall," "K. & S."), 2311 N 16th, Phila., Pa.
Simmons John Co., 110 Centre, New York
See adv index at end of book
Starrett L. S. Co., Athol, Mass.
Syracuse Wrench Co. ("Champion" & "Yala"), 325 N Fayette, Syracuse, N. Y.
WALDEN-WORCESTER, INC. ("Walden-Worcester" Socket), 475 Shrewsbury, Worcester, Mass.
See adv. index at end of book
Williams J. H. & Co. (Drop Forged), 400 Vulcan, Buffalo, N. Y.

17091a—*Wrenches (Reversible Ratchet)

FRICK & LINDSAY CO. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
See adv index at end of book
Lane Will B. Unique Tool Co. ("Unique" & "Super"), 422 S Dearborn, Chicago, Ill.
LOWELL WRENCH CO. ("Multiplex," "Reversible"), 54 Commercial, Worcester, Mass. *See adv index at end of book*

17092— Wrenches ("S")

Armstrong Bros. Tool Co., 339 N Francisco av, Chicago, Ill.
Barcalo Mfg. Co., Buffalo, N. Y.
Bemis & Call Hardware & Tool Co. ("B. & C." Single & Double End Adjustable Nut & Pipe), 983 S Main, Springfield, Mass.
Billings & Spencer Co. ("B. & S" Drop Forged Adjustable, Hexagon, etc), Hartford, Conn.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Bullock Mfg. Associates (Adjustable), Springfield, Mass.
Cushman Auto Tool Co., Champaign, Ill.
Erie Tool Works, Erie, Pa.
Greene Tweed & Co. ("Baxter" Adjustable), 109 Duane, New York
Keystone Mfg. Co. ("Westcott" Adjustable), Buffalo, N. Y.
Lakeside Forge Co. ("Lakeside"), Erie, Pa.
Moore Drop Forgings Co. (Custom Work Only), Springfield, Mass.
Muncie Malleable Castings Co., Muncie, Ind.
National Malleable Castings Co., 7706 Platt av, S E, Cleveland, O.
Oswego Tool Co. (Adjustable Nut), Oswego, N. Y.
Robinson M. W. Co. ("Carll" Adjustable. Drop Forged), 296 B'way, New York
Simmons John Co., 110 Centre, New York
See adv index at end of book
Whitman & Barnes Mfg. Co., Akron, O.
See adv index at end of book
Williams J. H. & Co. (Nut Cap & Set Screw, Drop Forged), 400 Vulcan, Buffalo, N. Y.
Winchester Repeating Arms Co. ("Winchester"), 275 Winchester av, New Haven, Conn.

Wrenches (Screw)

See Wrenches, Engineers & Machinsts

17093— Wrenches (Sleeve)

Kendrick-Davis Co. ("K. & D." Jewelers), Lebanon, N. H.

17094— Wrenches (Socket)

Abegg & Reinhold Co., 2533 E 26th, Los Angeles, Cal.
Allen Mfg. Co. ("Bay State" Bag & Box Sets), 133 Sheldon, Hartford, Conn.
See adv index at end of book
Allen Wrench & Tool Co. ("Eureka" Ratchet) "Allen-Friction" "Allen-Universal"), 754 Eddy, Providence, R. I.
American Grinder Mfg. o. ("Blackhawk"), 718 Poplar, Milwaukee, Wis.
Armstrong Bros. Tool Co. ("A." Drop Forged), 339 N Francisco av, Chicago, Ill.
Billings & Spencer Co. ("B. & S.") Hartford, Conn.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Bryant Electric Co. (Socket Cap), 1421 State, Bridgeport, Conn.
C. M. B. Wrench Co. ("Silver Ring" & "Auto Queen," Adjustable Handle, Socket Hatchet), Garwood, N. J.
Carleton Co. ("Carleton"), 27 Commercial av, Boston, Mass.
Channon Jas. H. Mfg. Co. (Socket Handle), 227 W Erie, Chicago, Ill.
Dill Mfg. Co., 684 E. 82nd, Cleveland, O.
Eastern Machine Screw Corp. ("H. & G." for Fords), Truman & Barclay, New Haven, Conn.
Fairmount Tool & Forgng Co. ("Fairmount"), 10611 Quincy av, Cleveland, Ohio
Faw J. H. Inc. (Steel), 27 Warren, New York
Graham Roller Bearing Co., Coudersport, Pa.
Gray Machine & Parts Corp., Batavia, N. Y.
Harris Samuel & Co., 114 N Clinton, Chicago, Ill.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Improved Guage Mg. Co., 105 Canal, Syracuse, N. Y.
Ketler-Elliott Co. ("Ketoco"), 31st & California, Chicago, Ill.
Keystone Mfg. Co. ("Keystone," "Giant," with Reversible Rachet), Buffalo, N. Y.
Kizer Thos. S. (Self Adjusting), 1005 North Carolina, Arkansas City, Kans.
Lane Will B. Unique Tool Co. ("Unique" & "Super"), 422 S Dearborn, Chicago, Ill.
LOWELL WRENCH CO. ("Rversible" Ratchet), 54 Commercial, Worcester, Mass. *See adv index at end of book*
Moore Drop Forging Co. (Custom Work Only), Springfield, Mass.
Mossberg Frank Co. ("Diamond M.," Socket Sets & "Auto Cle," also Ratchet Socket & Tubular Type) Attleboro, Mass.
New England Pressed Steel Co., Natick, Mass.
Packer Auto Specialty Co. ("Ray"), 1420 S Michigan, Chicago, Ill.
Sedgley R. F. ("Hexall," "K. & S."), 2311 N. 16th, Phila., Pa.
Vichek Tool Co. (Tubing & "Vichek"), 3000 E 87th, Cleveland, O.
WALDEN-WORCESTER, INC. ("Walden-Worcester"), 475 Shrewsbury, Worcester, Mass.
See adv index at end of book
Williams & Co. Inc., 901-937 Pennsylvania av, Pittsburgh, Pa.
Williams J. H. & Co. (Drop Forged), 400 Vulcan, Buffalo, N. Y.
Winchester Repeating Arms Co. ("Winchester"), 275 Winchester, New Haven, Conn.
Winter Bros. Co., Wrentham, Mass.
WORCESTER PRESSED STEEL CO. (Pressed Steel), Barber av, Worcester, Mass.
See adv index at end of book

17095—Wrenches (Spanner)

Armstrong Bros. Tool Co., 339 N Francisco av, Chicago, Ill.
Billings & Spencer Co. ("B. & S." Drop Forged Adjustable), Hartford, Conn.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Edna Brass Mfg. Co., Cincinnati, O.
Fairmount Tool & Forging Co. ("Fairmount"), 10611 Quincy av, Cleveland, Ohio
Forsyth Metal Goods Co. (Bicycle), E. Aurora, N. Y.
Franklin Park Foundry Co., Franklin Park, Ill.
Howard H. J. M. Mfg. Co. ("Howard" Hose & Valve), 150 Pierce, N W Washington, D. C.
Morse A. J. & Son Inc., 221 High, Boston, Mass.
Oakes Co., The, Indianapolis, Ind.
Powell Wm. Co. ("Powell"), 2525 Spring Grove av, Cincinnati, O.
See adv index at end of book
Rhode Island Tool Co. (Drop Forged), Providence, R. I.
Williams J. H. & Co. (Drop Forged), 400 Vulcan, Buffalo, N. Y.
Winchester Repeating Arms Co. ("P. S."), 275 Winchester av, Brooklyn, N. Y.

17096—Wrenches (Spark Plug)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
C. M. H. Wrench Co. ("C. M. B." Adjustable), Garwood, N. J.
Chicago Tool & Kit Co., 160 Whiting, Chicago, Ill.
Fairmount Tool & Forging Co. ("Fairmount"), 10611 Quincy av, Cleveland, Ohio
Lakeside Forge Co., Erie, Pa.
McKaig-Hatch, Inc., Ontario & Skillen, Buffalo, N. Y.
Moore Drop Forgings Co. (Custom Work Only), Springfield, Mass.
Mossberg Frank Co. (Pressed Steel, Tubular Socket Type & Flat, End Opening Type), Attleboro, Mass.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
Republic Auto Parts Co. (For Ford Cars), 81 10th, Long Island City, N. Y.
Tiffany Mfg. Co. ("Seco"), 50H Spring, Newark, N. J.
Vichek Tool Co. ("Vichek"), 3000 E 87th, Cleveland, O.
WALDEN-WORCESTER, INC. ("Walden-Worcester"), 475 Shrewsbury, Worcester, Mass.
See adv index at end of book
Williams J. H. & Co. (Drop-Forged), 31 Richards, Brooklyn, N. Y.

17097-8—Wrenches (Splicing)

Dicke Tool Co., Downers, Grove, Ill.
SMITH & HEMENWAY CO., INC. ("Red Devil," Drop Forged Tie & Splicing), 261 H. B'way, New York, & 130 H. Colt, Irvington, N. J.
See adv index at end of book

17099— Wrenches (Steel)

Bossert Corp., The, cor Linden & West av, Utica, N. Y.
COES WRENCH CO., Coes sq, Worcester Mass. *See adv index at end of book*
Lakeside Forge Co., Erie, Pa.
Lutz Co. Inc. (Non Marring for Finished Parts), Dept H, Morris & Bambrey, Phila., Pa.
Williams J. H. & Co. (Drop Forged), 400 Vulcan, Buffalo, N. Y.

17100—Wrenches (Structural)

Armstrong Bros. Tool Co., 339 N Francisco av, Chicago, Ill.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Lakeside Forge Co., Erie, Pa.
Williams J. H. & Co. (Drop Forged), 400 Vulcan, Buffalo, N. Y.

17101— Wrenches ("T")

Simmons John Co., 110 Centre, New York
See adv index at end of book
Williams J. H. & Co., 400 Vulcan, Buffalo, N. Y.
Winchester Repeating Arms Co. ("P. S."), New Haven, Conn.

17102—Wrenches (Tap & Reamer)

Alert Tool Co. ("Alert" Tap), 1321 W Tioga, Phila., Pa.
Armstrong Mfg. Co. ("Armstrong"), 305 275 Winchester av, New Haven, Conn.
Bay State Tap & Die Co., Mansfield, Mass.
Billings & Spencer Co. ("B. & S."), Hartford, Conn.
Braunsdorf-Mueller Co. (Tap), Elizabeth, N. J.
Brubaker W. L. & Bros. (Adjustable), Millersburg, Pa.
Bullock Mfg. Associates, Springfield, Mass.
Butterfield & Co., Derby Line, Vt.
Card S. W. Mfg. Co. ("Horsfield"), Mansfield, Mass.
Carpenter J. M. Tap & Die Co. ("Nichols"), Pawtucket, R. I.
Champion Blower & Forge Co. ("Champion"), Lancaster, Pa.
Conant & Donelson Co. ("Reliable"), Conway, Mass.
Dikeman Mfg. Co. (Tap Wrench for Hand Taps, also with Hollow Handle), Norwalk, Conn.
Greenfield Tap & Die Corp. ("G. T. D."), Greenfield, Mass.
Hart Mfg. Co. ("Duplex" Adjustable Tap), Cleveland, O.
Keystone Mfg. Co. ("Keystone" or Ratchet Stud Driver), Buffalo, N. Y.
Millers Falls Co. (West Haven Plant) ("Hold Fast" & T Handle Tap Wrench), Dept H, Millers Falls, Mass.
Morse Twist Drill & Machine Co. ("Morse" For Adjustable Reamers & Taps), New Bedford, Mass.
North Bros. Mfg. Co. ("Yankee" Tap), Lehigh & American, Phila., Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Polk A. J. & Son Co. (Adjustable), Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn.
See adv index at end of book
Robinson M. W. Co. ("Rollis"), 296 B'way, New York
Russell Mfg. Co. (Adjustable), Greenfield, Mass.
Sawyer Tool Mfg. Co. (Tap), Ashburnham, Mass.
Standard Tool Co., 6700 Central av, Cleveland, O.
Starrett L. S. Co. (Tap Wrenches), Athol, Mass.
Walworth Mfg. Co., Boston, Mass.
Winchester Repeating Arms Co. ("P. S."), 275 Winchester av, New Haven, Conn.
Winter Bros. Co., Wrentham, Mass.

17103— Wrenches (Textile)

Armstrong Bros. Tool Co., 339 N Francisco av, Chicago, Ill.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Lakeside Forge Co., Erie, Pa.
WALDEN-WORCESTER, INC. ("Walden-Worcester" Machined), 475 Shrewsbury, Worcester, Mass.
See adv index at end of book
Williams J. H. & Co. (Drop Forged), 400 Vulcan, Buffalo, N. Y.

17104— Wrenches (Thin)

Armstrong Bros. Tool Co., 339 N Francisco av, Chicago, Ill.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Lakeside Forge Co. ("Lakeside"), Erie, Pa.
Williams J. H. & Co. (Drop Forged), 400 Vulcan, Buffalo, N. Y.

17105—Wrenches (Thresher Cylinder)

New Liberty Washing Machine Co. ("Fosston" Ratchett), St. Paul, Minn.
Russell & Co. ("Russell"), Massillon, O.

17106—Wrenches (Tool Post)

Armstrong Bros. Tool Co. ("A." Drop Forged), 339 N Francisco av, Chicago, Ill.
Billings & Spencer Co. ("B. & S." Drop Forged), Hartford, Conn.
Bonney Forge & Tool Works, Tilghman, Allentown, Pa.
Lakeside Forge Co. ("Lakeside" Drop Forged), Erie, Pa.
Williams J. H. & Co. (Drop Forged), 400 Vulcan, Buffalo, N. Y.
Winchester Repeating Arms Co. ("Winchester"), 275 Winchester av, New Haven, Conn.

17107— Wrenches (Track)

Armstrong Bros. Tool Co., 339 N Francisco av, Chicago, Ill.
Beall Bros. (Single & Double End), Alton, Ill.
Billings & Spencer Co. ("B. & S." Drop Forged), Hartford, Conn.
Bonney Forge & Tool Works, Tilghman, Alentown, Pa.
Chester Steel Castings Co., Chester, Pa.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Iron City Tool Works (Ltd.), 3201 Smallman, Pittsburgh, Pa.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Klein-Logan Co., 13th & Breed, Pittsburgh, Pa.
Lakeside Forge Co. ("Lakeside"), Erie, Pa.
Moore Drop Forging Co., Springfield, Mass.
Stanley Rule & Level Co. (Atha Div.), New Britain, Conn.
Union Drop Forge Co., 353 W. Grand av, Chicago, Ill.
Verona Tool Works (Straight & T), Plum st, Pittsburgh, Pa.
Warren Tool & Forge Co., 145 Griswold, Warren, Ohio
See adv index at end of book
Warwood Tool Co., 19th, Warwood, Wheeling, W. Va.
Williams J. H. & Co. (Drop-Forged), 31 Richards, Brooklyn, N. Y.
Winchester Repeating Arms Co. ("Winchester"), 275 Winchester, New Haven, Conn.

17107a— *Wrenches (Triplehead)

Williams J. H. & Co. (Drop Forged), 400 Vulcan, Buffalo, N. Y.

Wrenches (Wagon)

See Wrenches, Carriage

17108—Wringers (Blue Print)

Lovell Mfg. Co. (& for Mechanical Work), Erie, Pa.
Pease C. F. Co., 820 N Franklin, Chicago, Ill. *See adv index at end of book*
Weber Co., F., 1220 Buttonwood, Philadelphia, Pa.

17109— Wringers (Clothes)

American Ironing Machine Co. ("Triumph"), 844 W Adams, Chicago, Ill.
American Laundry Machinery Co., Norwood, Cincinnati, Ohio
American Wringer Co., 91 Social, Woonsocket, R. I.
Blackstone Mfg. Co., 56 Blackstone, Jamestown, N. Y.
Chicago Dryer Co. ("Chicago"), 2210 N Crawford av, Chicago, Ill.
Crystal Washing Mach. Co. (Elect.), 1113 Gratiot, Detroit, Mich.
Lovell Mfg. Co. ("Anchor Brand" Ball Bearing), Erie, Pa.
Sunny Line Appliances Inc. ("Sunnysuds" Electric), 4058 Beaufait, Detroit, Mich.
Troy Laundry Machinery Co. (Ltd.), 824 S Michigan blvd, Chicago, Ill.
Twin City Wringer Co., Merchants Nat'l Bank bldg, St. Paul, Minn.

17110— Wringers (Mop)

American Wringer Co., 91 Social, Woonsocket, R. I.
Bennington Scale Co. ("Molly Stark"), Bennington, Vt.
Boller Peter Mach. Wks. ("Boller"), 124 N Curtis, Chicago, Ill.
Brockton Mop Wringer Co. ("Brockton"), Brockton, Mass.
Bushnell Novelty Co. ("Bull Dog"), Mansfield, O.
Cardington Cabinet Co. ("Oscillator," "Ohio Crank"), Cardington, O.
Eagle Woodenware Mfg. Co. ("Eagle" Wringer & Bucket Combined), Hamilton, O.
Ely Theo. J. Mfg. Co., Girard, Pa.
Erie Mop & Wringer Co. ("Erie"), East Rochester, N. Y.
Gilchrist Co., 236 Bank, Newark, N. J.
MacLeod Mfg. Co., 2640 Greenview av, Chicago, Ill.
Schubert August Wagon Co. ("Reliance"), Oneida, N. Y.
Smith System Heating Co. (Ellis Economy), 212 Ontario S E, Minneapolis, Minn.
Success Mfg. Co. (Square Galvanized), Gloucester, Mass.
U. S. Mop Co. ("E-Z"), Toledo, Ohio
Van Arnam Mfg. Co. ("Esy-Squeeze"), Ft. Wayne, Ind.
White Mop Wringer Co. ("White"), Fultonville, N. Y.

17111—Wrist Bands (Husking)

Boss Mfg. Co., Kewanee, Ill.
Buchheimer Geo. H., 1004 Rutland av, Baltimore, Md.
Clark R. F. Mfg. Co., 702 N Halsted, Chicago, Ill.
Florin Philip, 11 E 24th, New York

17112— X-Ray Apparatus

Betz Frank S. Co., Hammond, Ind.
Bush Electric Corp., 344 Sutter, San Francisco, Cal.
Campbell Electric Co., 17 Stewart, Lynn, Mass.
Columbia X-Ray & Electric Corp., 131 E 23d, New York
Dodd & Struthers, Des Moines, Ia.
Dudlo Mfg. Co., Ft. Wayne, Ind.
Edwards X-Ray Mfg. Co., 111 New Jersey, Indianapolis, Ind.
Empire Electric Co., Inc. ("Rose," Coils), 2227 S San Pedro, Los Angeles, Cal.
Foote Pierson & Co., 160 Duane, New York
Green & Bauer ("Clover Leaf" & "Mascot" X-Ray Tubes), Hartford, Conn.
Kelley-Koett Mfg. Co., ("K.-K.") Covington, Ky.
Kny-Scheerer Co., 404 W 27th, New York
McIntosh Battery & Optical Co., 217 Desplaines, Chicago, Ill.
Meyer Wm. Co., 1644 Girard, Chicago, Ill
Ritchie E. S. & Sons, Brookline, Mass.
RITTER DENTAL MFG. CO., INC., ("Ritter"), Rochester, N. Y.
Roentgen Appliance Co., 667 Howard, San Francisco, Cal.
Rogers Electric Laboratories Co., 2015 E 65th, Cleveland, O.
Rose E. J. Mfg. Co., 308 E 9th, Los Angeles, Cal.
Rose E. J. Scientific Shop, 212 S Spring, Los Angeles, Cal.
Thordarson Electric Mfg. Co., 501 S Jefferson, Chicago, Ill.
UNION BLIND & LADDER CO., INC. ("Acme" wood rolling blinds, lightproof, for X-Ray Laboratories), 3535 Peralta st, Oakland, Cal.
See adv index at end of book
Victor Electric Co., 236 S Robey, Chicago, Ill.
Victor-X-Ray Corp. ("Coolidge" Tube Control), 236 S. Robey, Chicago, Ill.
Waite & Bartlett Mfg. Co., 53 Long Island City, N. Y.
Wappler Electric Co., 187 Harris av, Long Island City, N. Y.
Western X-Ray Equipment Co., 361 Hayes, San Francisco, Cal.
Wilferth John A., 229 O. T. Johnson bldg, Los Angeles, Cal.
Williams E. Q., Syracuse, N. Y.
Ziola-Jackson X-Ray Coil Co., Madison, Wis.

17113—X-Ray Fluoroscopes

See also X-Ray Apparatus

Patterson Screen Co., Towanda, Penn.
Roentgen Appliance Co., 667 Howard, San Francisco, Cal.

17113a— Xylenols

Barrett Co., 17 Battery pl, New York

17113b— Xylidine

Calco Chemical Co. (For making Dyes), Bound Brook, N. J.
Chemical Co. of America (Mfrs.), 46 Murray, New York
Fergusson Alex. C., Jr., 474 Chestnut Phila., Pa. *See adv indexat end of book*
Montcalm Chemical Works, Indianapolis, Ind.
National Aniline & Chemical Co., Inc., 40 Rector, New York

17113c— Xylol

See also Coal Tar Products

Barrett Co., 17 Battery pl, New York
Bayway Chemical Co., Elizabeth, N. J.
Citizens Gas Co., 47 S Penn, Indianapolis, Ind.
Coopers Creek Chemical Co., West Conshohocken, Pa.
Edison International Corp., 165 B'way, New York
Jordan William E. Inc., 13 Cliff, New
Lewis F. J. Mfg. Co., Moline, Ill.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Williamson & Co., 30 Church, New York

17114— Yard Sticks

American Mfg. Concern, Falconer, N. Y.
Am. Rule & Block Co., Menominee, Mich.
Bliss Mfg. Co., Bliss, N. Y.
Bogert & Hopper Inc., 57 Barclay, New York. *See adv index at end of book*
Bradley Milton Co., 74 Park, Springfield, Mass.
Chapin-Stephens Co. (Also School & Desk Rulers, etc), Pine Meadow, Conn.
ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*
Geneva Mfg. Co., Geneva, Ill.
Lucas-Tuttle Mfg. Co., Silver Springs, N. Y.
Novelty Advertising Co., Coshocton, O.
Seneca Falls Rule & Block Co., Inc., Dept H, Seneca Falls, N. Y.
Stanley Rule & Level Co., New Britain, Conn.
Up-to-Date Advertising Co. ("Kanisteo"), Canisteo, N. Y.
Westcott Rule Co., Seneca Falls, N. Y.
See adv index at end of book

17114a— Yarn (Asbestos)

Allbestos Corp. ("Allbestos"), Belfield av & Fishers Lane, Phila., Pa.
American Insulation Co., Nicetown, Phila., Pa. *See adv index at end of book*
Asbestos Materials Corp., Millington, N. J.
Asbestos Textile Co., 18 E 41st, New York
Asbestos Fibre Spinning Co., North Wales, Pa.
Atlantic Asbestos Co., 12th & Arch, Phila., Pa.
DARCOID COMPANY, 1780 B'way, New York *See adv index at end of book*
General Asbestos & Rubber Co., Charleston, S. C.
Mikesell Bros. Co., Wabash, Ind.
See adv index at end of book
Multibestos Co., Walpole, Mass.
Rockbestos Products Corp. ("Rockbestos"), New Haven, Conn.
U. S. Asbestos Co., 45H N Duke, Lancaster, Pa.

17115— Yarn (Fodder)

Ajax Rope Co. Inc., 149 B'way, New York
American Mfg. Co., West & Noble, Brooklyn, N. Y.
Columbian Rope Co., 3050 Genesee, Auburn, N. Y.
Fitler Edwin H. Co., 517 Arch, Phila., Pa.
Rinek Cordage Co., Easton, Pa.

17116— Yarn (Jute)

Allentown Spinning Co., 361 Gordon, Allentown, Pa.
Crichton Spinning Co., Allentown, Pa.
Hooper Wm. C. & Sons, 3502 Parkdale av, Baltimore, Md.
Dolphin Jute Mills, Paterson, N. J.

17117— Yarn (Lath)

Ajax Rope Co. Inc., 149 B'way, New York
American Mfg. Co., West & Noble, Brooklyn, N. Y.
Columbian Rope Co. (Tarred Sisal), 3050 Genesee, Auburn, N. Y.
Fitler Edwin H. Co., 517 Arch, Phila., Pa.
Hooper Wm. E. & Sons, 3502 Parkdale av, Baltimore, Md.
Hooven & Allison Co. (Tarred), Xenia, O.
Kelly R. A. Co., Xenia, O.
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
Peoria Cordage Co. (Tarred & Untarred), Peoria, Ill.
Plymouth Cordage Co., North Plymouth, Mass.
Rinek Cordage Co., Easton, Pa.
Rugg E. T. & Co., Newark, O.
St. Louis Cordage Mills ("Royal"), 1715 S 11th, St. Louis, Mo.
Tubbs Cordage Co., 200 Bush, San Francisco, Cal.

17118— Yarn (Mop)

Dearborn Duster Co. ("Dearborn"), **550** W Harrison, Chicago, Ill.
Eagle Cotton Mills Co., Madison, Ind.
Estes Mills, Fall River, Mass.
Grahamton Mfg. Co., Grahamton, Ky.
Hooper Wm. E. & Sons, 3502 Parkdale av, Baltimore, Md.
Massasoit Mfg. Co., Fall River, Mass.
Mt. Vernon-Woodberry Mills, Inc., Cont. bldg., Baltimore, Md.
Richards Fred J., 32 Lakeside, Springfield, Mass.
Southern Mills Corpn., Oxford, Ala.
Toohey M. J. & Co., Fall River, Mass.
Westport Mfg. Co., Westport, Mass.
Yocona Mills, Water Valley, Miss.

17119— Yarn (Tarred)

Ajax Rope Co. Inc., 149 B'way, New York
American Mfg. Co., West & Noble, Brooklyn, N. Y.
Broderick & Bascom Rope Co., 805 N Main, St. Louis, Mo.
Columbian Rope Co. (Sisal), 3050 Genesee, Auburn, N. Y.
Fischer & Hayes Rope & Steel Co., 816 W Erie, Chicago, Ill.
See adv index at end of book
Hooven & Allison Co. (Fodder, Lath, etc), Xenia, O.
Kelly R. A. Co., Xenia, O.
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
Tubbs Cordage Co., 200 Bush, San Fransisco, Cal.
Wall Rope Works Inc., 48 South, New York
Waterbury Co., 63 Park Row, New York

17119a— Yeast Mfrs.

Barber Horace Distilling Co., Warehouse Point, Conn.
Fleischmann Co., 427 Plum, Cincinnati, O.
Red Star Yeast & Products Co. ("Red Star"), 83 Buffalo, Milwaukee, Wis.

17120—Yellow Metal (Cold Rolled)

American Brass Co., Waterbury, Conn.
For branch offices see adv index at end of book
Taunton-New Bedford Copper Co., Taunton, Mass.

17121—Yellow Metal (Polished)

American Brass Co., Waterbury, Conn.
For branch offices see adv index at end of book
Taunton-New Bedford Copper Co., Taunton, Mass.

17122—Yellow Metal (Sheet & Rod)

AMERICAN BRASS CO., Waterbury, Conn.
For Branch Offices, see adv. index at end of book

17123— Yoke Ends

Buckeye Forging Co., 10249 Harvard av, Cleveland, Ohio
Columbus Bolt Wks. Co., Water & Chestnut, Columbus, O.
Williams J. & H. Co. (Drop-Forged, Unfinished), 400 Vulcan, Buffalo, N. Y.

17124— Yokes (Clip)

Bourne-Fuller Co. (Wrought Iron & Plate), **Cleveland, O.**

17125— Yokes (Coupler)

Kansas City Bolt & Nut Co. (Wrought Iron), Kansas City, Mo.
Keyoke Railway Equipment Co. ("Murray Keyoke"), Monadnock blk, Chicago, Ill

17126—Yokes (Draw Bar)

Buckeye Steel Castings Co., Columbus, O.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Steel Car Forge Co., Frick bldg., Pittsburgh, Pa.
Universal Draft Gear Attachment Co., H, Railway Exchange bldg, Chicago, Ill.

17127—Yokes (Pocket Coupler, Etc.)

Kansas City Bolt & Nut Co. (Wrought Iron), Kansas City, Mo.
National Malleable Castings Co., H, Quincy, Cleveland, O.
Valley Forging Co., Verona, Pa.

17127a— Yokes (Strain)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.

17128—Yokes (Street Railway)

Davies & Thomas Co. (Cast Iron), Catsauqua, Pa.
Kansas City Bolt & Nut Co. (Wrought Iron), Kansas City, Mo.
Wharton Wm. Jr. & Co. Inc., Easton, Pa.

17128a— Yttrium

Foote Mineral Co., Inc., 107 N 19th, Phila., Pa.

17129— Zaffer

Harshaw Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, Ohio.
See adv index at end of book
Highfield John W., 248 N 10th, Brooklyn, N. Y.
Roessler-Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book

17129a— Zinc (Acetate)

Cooper Chas. & Co., 194 Worth, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Lopis, Mo.
See adv index at end of book

17130— Zinc (Aluminized)

New Era Mfg. Co., Kalamazoo, Mich.

17130a— Zinc Arsenate

Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Thomsen Chemical Co., Race & Winder, Baltimore, Md.

17130b— Zinc Blend

Northern Ore Co., Edwards, N. Y.

17130c— Zinc Bromide

Cooper Chas. & Co., 194 Worth, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

17131— Zinc Carbonate

Fergusson Alex. C., Jr., 474 Chestnut New York
Cleveland, O.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
RIDDLE CHEMICAL CO. (Technical), 35 S Dearborn, Chicago, Ill.
See adv index at end of book
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y.
See adv index at end of book

17132— Zinc Chloride

American Alloys Co., American bldg, Baltimore, Md.
Bauer Philip Co. (Imp.), 53 Park pl, New York
Cooper & Cooper Inc., 23H Cliff, New York
General Chemical Co., 40 Rector, New York
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Great Western Electro-Chemical Co., 9 Main, San Francisco, Cal.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Innis, Speiden & Co., Inc., 46 Cliff, New York
Klipstein A. & Co. (Ammonium, Imp.), 644 Greenwich, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Merrimac Chemical Co., 148 State, Boston, Mass.
Monsanto Chemical Works, 1800 S 2d, St. Louis, Mo.
NEW JERSEY ZINC SALES CO., THE, 158 Front, New York
See adv index at end of book
Newport Chemical Wks. Inc., Milwaukee, Wis.
Philipp Bros., Inc., 233 B'way, New York
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Riddle Chemical Co. (Granular), 35 S Dearborn, Chicago, Ill.
See adv index at end of book
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book
Sandoval Zinc Co. (In Liquid Form), 410 N Peoria, Chicago, Ill.
Stauffer Chemical Co., 624 California, San Francisco, Cal.

17132a— Zinc Chromate

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book

17132b—Zinc (C. P. Metallic)

NEW JERSEY ZINC SALES CO., THE, 158 Front, New York
See adv index at end of book

17132c— Zinc Cyanide

Barker Bros., Inc., 327-329 Johnson, Brooklyn, N. Y.
See adv index at end of book
Cooper Chas. & Co., 194 Worth, New York
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book

Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Middlesex Aniline Co. Inc., Lincoln, N. J.
Roessler & Hasslacher Chemical Co., 709 6th av, New York
See adv index at end of book

17133— Zinc Dust

American Metal Co., 61 B'way, New York
American Smelting & Refining Co., 120 B'way, New York
Arnold Hoffman & Co. (Dirs.), 55 Canal, Providence, R. I.
Ball Bros. Co., Muncie, Ind.
Braun Corp., 363 New High, Los Angeles, Cal.
Cooper & Cooper Inc., 23H Cliff, New York
Denver Fire Clay Co. (Dirs.), Denver, Col.
Fergusson Alex C. Jr. (Dirs.), 474 Chestnut, Phila., Pa.
See adv index at end of book
Finn John Metal Works, 384 2nd, San Francisco, Cal.
Fuerst Bros. & Co., 2 Stone, New York
Grasselli Chemical Co. (Dirs.), Guardian bldg, Cleveland, O.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Illinois Zinc Co. (Dirs.), McCormick bldg, Chicago, Ill.
Innis Speiden & Co. Inc. (Dirs.), 46 Cliff, New York
International Minerals & Metals Corp. (Dirs.), 61H B'way, New York
Klipstein A. & Co. (Dirs.), 644 Greenwich, New York
Merrill Co. ("Merrillite"), 121 2d, San Francisco, Cal.
Mitsui & Co., (Japanese), 65 Broadway, New York
National Zinc Co. (Dirs.), 61 B'way, New York
NEW JERSEY ZINC SALES CO., THE, 158 Front, New York
See adv index at end of book
NIAGARA SMELTING CORP., Niagara Falls, N. Y. *See adv index at end of book*
Rau Henry M., 15 E 26th, New York
Roessler & Hasslacher Chemical Co (Dirs.), 709 6th av, New York
See adv index at end of book
Sergeant E. M. Co., 131 Cedar, New York
United States Smelting Co. (Dirs.), 61 B'way, New York
United Zinc Smelting Corp. (Dirs.), 233 Broadway, New York
Wagner Chas. A. Co. (Dirs.), 222 N Front, Phila., Pa.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y.
See adv index at end of book

17133a— Zinc (Electrolytic)

Anaconda Copper Mining Co., 25 B'way, New York

17133b— Zinc (Feathered)

NEW JERSEY ZINC SALES CO., THE, 158 Front, New York
See adv index at end of book

17133c— Zinc (Granulated)

Grasselli Chemical Co., Guardian bldg, Cleveland, O.

17133d— Zinc Iodide

Cooper Chas. & Co., 194 Worth, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book

17134— Zinc Mfrs.

American Boran Products Co., Inc. (Boranic in Shot Form), Reading, Pa.
American Zinc Products Co., Greencastle, Ind.
American Zinc, Lead & Smelting Co., 331 Madison av, New York
Anaconda Copper Mining Co., 25 B'way, New York
Ball Brothers Glass Mfg. Co. (Strip & Slab), Muncie, Ind.
Bartlesville Zinc Co., 61 B'way, New York
BELMONT SMELTING & REFINING WORKS, INC. (Belmont Brand Spelter and Clipping), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book
Bertha Mineral Co., Pulaski, Va.
Eagle-Picher Lead Co., 208 S La Salle, Chicago, Ill.
Edgar Zinc Co., Boatman's Bank bldg., St. Louis, Mo.
General Smelting Co. (Dross & Ash), Stock Exchange bldg, Phila., Pa.
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Hegeler Bros., Danville, Ill.
Henryetta Spelter Co., Henryetta, Okla.
Illinois Zinc Co. (Electrolytic Sheet, etc), McCormick bldg, Chicago, Ill.
Matthiessen & Hegeler Zinc Co., La Salle, Ill.
Mineral Point Zinc Co., 140 S Dearborn, Chicago, Ill.
Missouri Zinc Co., Beckemeyer, Ill.
National Zinc Co., 61 B'way, New York
NEW JERSEY ZINC SALES CO., THE, 158 Front, New York
See adv index at end of book
Pittsburg Zinc Co., Pittsburg, Kan.
Platt Bros. & Co. (Cold Rolled), Waterbury, Conn.
Sandoval Zinc Co., 410 N Peoria, Chicago, Ill.
Stanley Chemical Co. (Pig), East Berlin, Conn.
Tulsa Fuel & Mfg. Co., Collinsville, Okla.
United States Zinc Co., Pueblo, Colo.
United Zinc Smelting Corp., 233 Broadway, New York
Wagner Charles A. Co., Inc., 222H N. Front, Phila., Pa.

17134a— Zinc (Mossy)

NEW JERSEY ZINC SALES CO., THE, 158 Front, New York
See adv index at end of book

17135—Zinc (Nickeled, Brassed & Coppered)

Rothschild M., 207 Norman av, Brooklyn, N. Y.

17136—Zinc-Nickelized Sheet

APOLLO PRODUCTS CO. ("Apollo-Nickel-Zinc," BrassZinc, CopperZinc, Polished, etc.), La Salle, Ill.
National Sheet Metal Co., Peru, Ill.

Zinc Oxide

See Oxide of Zinc

17137—Zinc Plates for Boilers

American Zinc Products Co., Greencastle, Ind.
Ball Bros. Co., Muncie, Ind.
Belmont Smelting & Refining Works, Inc. (to specification only), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book
Hazel Atlas Glass Co., Wheeling, W. Va.
Matthiessen & Hegeler Zinc Co., La Salle, Ill.
NEW JERSEY ZINC SALES CO., THE, 158 Front, New York
See adv index at end of book
Phillips E. & Sons, South Hanover, Mass.
Sandoval Zinc Co., 410 N Peoria, Chicago, Ill.

17137a— Zinc Resinate

Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Scheel Wm. H., 179 Water, New York
See adv index at end of book

17137b— Zinc (Rolled)

NEW JERSEY ZINC SALES CO., THE, 158 Front, New York
See adv index at end of book

17138— Zinc Salts

American Luminous Products Co., Huntington Park, Cal.
Buchanan C. G. Chemical Co. ("Triangle B" Sulphuret, Liver of Sulphur & Potassium Sulphuret), 4650 Baker av, Cincinnati, Ohio
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
See adv index at end of book
Thomsen Chemical Co., Race & Winder, Baltimore, Md.

Zinc Shavings

See Shavings, Zinc

17139— Zinc (Sheet)

American Zinc Products Co., Greencastle, Ind.
Apollo Products Co. ((Nickeled or Polished), La Salle, Ill.
Baker-Payne-Voye Co. (Dirs.), 1177 Adams, Boston 24, Mass.
Ball Bros. Co., Muncie, Ind.
Hazel Atlas Glass Co., Wheeling, W. Va.
Illinois Zinc Co., McCormick bldg, Chicago, Ill.
International Minerals & Metals Corp., 61H B'way, New York
Leavitt C. W. & Co., 34 Church, New York
See adv index at end of book
Matthiessen & Hegeler Zinc Co., La Salle, Ill.
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
National Sheet Metal Co. (Tombac Special Plated & Polished), Peru, Ill.
North American Copper Co., 52 Vanderbilt av, New York
Republic Metalware Co., 100 Alabama, Buffalo, N. Y.
Stimpson Edwin B. (Flat & Coiled), 852 Kent av, Brooklyn, N. Y.
See adv index at end of book
United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.

17139a— Zinc (Sherardizing)

Grasselli Chemical Co., Guardian bldg, Cleveland, O.
NEW JERSEY ZINC SALES CO., THE, 158 Front, New York
See adv index at end of book

17139b— Zinc (Slab)

See also Smelters & Refiners

American Metal Co., 61 B'way, New York
American Smelting & Refining Co., 120 B'way, New York
American Zinc, Lead & Smelting Co. ("American" "Granby"), 331 Madison av, New York
Am. Zinc Products Co., Greencastle, Ind.
Arkansas Zinc & Smelting Corp., Van Buren, Ark.
Bartlesville Zinc Co., 120 B'way, New York
BELMONT SMELTING & REFINING WORKS, INC. (Belmont Brand & Horsehead), 328 Belmont av, Brooklyn, N. Y.
See adv index at end of book
Blatchford E. W. Co. 230 N Clinton, Chicago Ill.
Chicago Smelting & Refining Co., 25th & Loomis, Chicago, Ill.
Coates, Bennett & Reidenbach, Rochester, New York
Delaware Metal Refinery, Washington & 18th, Philadelphia, Pa.
Eagle Picher Lead Co. (The), 208 S La Salle, Chicago, Ill.
Eagle Smelting & Refining Works, 233 B'way, New York
Eastern Brass & Ingot Corp. of N. Y., Waterbury, Conn.
Edgar Zinc Co., Boatman's Bank bldg, St. Louis, Mo.
Fort Smith Spelter Co., Greencastle, Ind.
General Smelting Co. ("Ideal" & "Victor"), Stock Exchange bldg, Phila., Pa.
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Great Western Smelting & Refining Co., 41st & Wallace, Chicago, Ill.
Hayman Michael & Co., 856 E Ferry, Buffalo, N. Y.
Hegeler Zinc Co., Danville Ill.
Henryetta Spelter Co., Henryetta, Okla.
Hiertz Theo. Metal Co., Alaska & Tesson, St. Louis, Mo.
Humphreys E. C. Co. (Prime Western), 624 Penobscot, Detroit, Mich.
Illinois Smelting & Refining Co., 410 N Peoria, Chicago, Ill.
See adv index at end of book

Illinois Smelting and Refining Co.
Peoria and Kinzie Streets
CHICAGO, ILL.

Buyers and sellers of non-ferrous metals in sheets, bars, plates, ingots. Constantly in the market for non-ferrous residues, such as tin, copper, lead, zinc, antimony, etc.

Illinois Zinc Co., Peru, Ill.
International Minerals & Metals Corp., 61H Broadway, New York
Jacobson I. M. & Sons Co., 70 Catharine, Detroit, Mich.
Kahn Bros. ("Star" Brand), 785 Humboldt, Brooklyn, N. Y.
Kessler Joseph G. & Co., 271 Russell, Brooklyn, N. Y.
Kramer H. & Co., Loomis & 21st pl, Chicago, Ill.
Lehman Bros., 326 Jefferson, Hoboken, N. J.
Lissberger, Marks & Son, 231 Borden av, L. I. City, N. Y.
Lowenthal Co., 947 W 20th, Chicago, Ill.
McInnes, Charles E. & Co., Mariners & Merchants bldg, Phila., Pa.
McLaughlin's Sons Co., 234 N 12th, Brooklyn, N. Y.
Maryland Brass & Metal Works, Dept. H, Calvert & Federal, Baltimore, Md.
Matthiessen & Hegeler Zinc Co., La Salle, Ill.
Merchant & Evans Co., Washington av, & 21st, Phila., Pa.
Michigan Smelting & Refining Co., 7881 Jos. Campau av, Detroit, Mich.
See adv index at end of book
Mineral Point Zinc Co., 140 S Dearborn, Chicago, Ill. Works: Mineral Point, Wis.
Murphy E. L. & Co., 114 W Van Buren, Chicago, Ill.
Murphy Metals Co., 827 S La Salle, Chicago, Ill.
Nassau Smelting & Refining Works, 603 W 29th, New York
National Copper Refining & Smelting Co., 1895 Coltman, Cleveland, O.
National Smelting Co., 16th & Texas, San Francisco, Cal.
National Zinc Co., 61 B'way, New York.

(Continued on following page)

Zinc (Slab)—Continued

NEW JERSEY ZINC SALES CO., THE ("Horsehead," "Bertha," "Franklin," "Prime Western," Nassau Slab Zinc), 158 Front, New York
See adv index at end of book

HORSE HEAD
High Grade—Uniform
BERTHA
Free from Cadmium and other deleterious impurities
NASSAU
Brass Special and Prime Western Grades
The New Jersey Zinc Co.
Products distributed by
THE NEW JERSEY ZINC SALES CO.

O'Connor J. J. & Co. (Dealers), Oliver bldg, Pittsburgh, Pa.
Ohio Metal Co., 1137 N 4th, Columbus, O.
Raymond Lead Works, 735 S Washtenaw av, Chicago, Ill.
SANDOVAL ZINC. CO., 410 N Peoria, Chicago, Ill.
See adv index at end of book
Sofranscy H. Co., Allentown, Pa.
Trench C. S. & Co., 11 Cliff, New York
Trotter Nathan & Co. (Slab), 36 N Front, Phila., Pa.
Union Smelting & Refining Co. ("Usarco"), St. Charles, Newark, N. J.
United States Reduction Co., Chicago, Ind.
United Zinc Smelting Corp., 99 John, New York
Vernon Metal & Produce Co., 25 Beaver, New York
Vogelstein L. & Co. (Imp), 42 B'way, New York
Vulcan Louisville Smelting Co. ("Vulcan"), 208 S La Salle, Chicago, Ill.
Wolff L. A. Metal Works, 1257 Harrison av, Cincinnati, Ohio

17140— Zinc Specialties

Bryant Mfg. Co. (Of All Kinds), 456 W Ontario, Chicago, Ill.
Bryant Zinc Co. (Of All Kinds), 600 Orleans, Chicago, Ill.
Geuder, Paeschke & Frey Co. (Drawn or Stamped), 1314-1790 St. Paul av, Milwaukee, Wis.
See adv index at end of book
NEW JERSEY ZINC SALES CO., THE, 158 Front, New York
See adv index at end of book
Waterbury Button Corp., 831 S. Main, Waterbury, Conn.
See adv index at end of book

17140a— Zinc Stearate

Fergusson, Alex. C., Jr., 474 Chestnut Phila., Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Lathrop H. R. & Co., 116 Beekman, New York
Mallinckrodt Chemical Works (Sulphate), 2nd & Mallinckrodt, St. Louis, Mo.
Merck & Co., 45 Park pl, New York
Meyer J. & Sons (Imp), Bourse bldg, Phila., Pa.
National Oil Products Co., Harrison, N. J.
Powers-Weightman-Rosengarten Co., 916H Parrish, Phila., Pa.
Sheperd Chemical Co., Highland near Orchard, Cincinnati, O.

17140b— Zinc Strips

American Zinc Products Co., Greencastle, Ind.
Ball Bros. Co., Muncie, Ind.
Hazel Atlas Glass Co., Wheeling, W. Va.
Illinois Zinc Co., McCormick bldg, Chicago, Ill.
NEW JERSEY ZINC SALES CO., THE (Rolled), 158 Front, New York
See adv index at end of book

HORSE HEAD
and Commercial Slab Zinc
Rolled to Specification
The New Jersey Zinc Co.
Products distributed by
THE NEW JERSEY ZINC SALES CO.

United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.

Zinc Sulphate

See Sulphate of Zinc

17141— Zinc Sulphide

American Luminous Products Co. (Phosphorescent), Huntington Park, Cal.
Fezandie Felix (Imported), 205 Fulton, New York
NEW JERSEY ZINC SALES CO., THE, 158 Front, New York
See adv index at end of book

17142— Zinc (White)

See also Oxide of Zinc

Fergusson Alex. C., Jr., 474 Chestnut Phila., Pa. *See adv index at end of book*
French Sam'l H. & Co. (Dealers & Grinders), 4th & Callowhill, Phila., Pa.
Harshaw, Fuller & Goodwin Co., 545 Hanna bldg, Cleveland, O.
See adv index at end of book
Mineral Point Zinc Co., 140 S Dearborn, Chicago, Ill. Works: Mineral Point, Wis.
Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.
NEW JERSEY ZINC SALES CO., THE, 158 Front, New York
See adv index at end of book
Wagner Charles A. Co., Inc., 222H N. Front, Phila., Pa.

17142a Zincite

NEW JERSEY ZINC SALES CO., THE, 158 Front, New York
See adv index at end of book

17143— Zincs (Battery)

Ball Bros. Co., Muncie, Ind.
Beattie Zinc Works Co., Reading, Mass.
Brady Brass Co., 170 14th, Jersey City, N. J.
Bryant Mfg. Co. (All Patterns), 456 W Ontario, Chicago, Ill.
Bryant Zinc Co., 600 Orleans, Chicago, Ill.
Bunnell J. H. & Co., 32 Park pl, New York
Edes Mfg. Co., Plymouth, Mass.
Grasselli Chemical Co. ("Franklin"), Guardian bldg, Cleveland, O.
Illinois Zinc Co., Peru, Ill.
Manhattan Electrical Supply Co., 17 Park pl, New York
Matthiessen & Hegeler Zinc Co. ("Leclanche" Battery Bars), La Salle, Ill.
National Carbon Co., H. Thompson av & Orton, Long Island City, N. Y.
Pacific Metal Works, 153 1st, San Francisco, Cal.
Phillips E. & Sons, South Hanover, Mass.
Platt Bros. & Co., Waterbury, Conn.
Railroad Supply Co., 203 S Dearborn, Chicago, Ill.
Samson Electric Co., 237 Washington, Canton, Mass.
Strong, Carlisle & Hammond Co., 336 Frankfort av N W, Cleveland, O.
Waterbury Battery Co., Waterbury, Conn.
Western Electric Co., 500 S Clinton, Chicago, Ill., & 463 West, New York

17144— Zirconia

Foote Mineral Co. (Mrs.), 109 N 19th, Phila., Pa.
Lavino E J & Co. (Ore & Brick), Bullitt bldg, Phila., Pa.
Vitro Mfg. Co. (Oxide White Silicate Natural), 720 Bessemer bldg, Pittsburgh, Pa.

17144a—Zirconium (Ferrosilicon)

ELECTRO METALLURGICAL SALES CORP., Carbide & Carbon bldg, New York

17144b—Zirconium (Metallic)

Foote Mineral Co., 109 N 19th, Phila., Pa.
Pfanstiehl Co., N. Chicago, Ill.

17144c—Zirconium Oxide

Foote Mineral Co., 109 N 19th, Phila., Pa.
Vitro Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Wiarda John C. & Co., 83 Provost, Brooklyn, N. Y.
See adv index at end of book

17144d—Zirconium (Silicon, Nickel & Misc. Alloys)

ELECTRO METALLURGICAL SALES CORP., Carbide & Carbon bldg, New York

17145— Zobos (Wood)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
See adv index at end of book
Shalita Bros., 268 South, New York

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Address and Local Distributors Section—

Beginning on page 7, gives the names and addresses of manufacturing and other concerns, with branch offices and local distributors of many advertisers.

Index to Classifications of Products—

Beginning on page 351, shows all items of Material, Supplies, Equipment, Machines, etc., indexed and cross indexed in the terms that come first to your mind. Thus "Dredging Buckets" are shown as "Buckets, Dredging," and as "Dredging Buckets." It is preferable, however, always to look for the NOUN.

Classified Products Section—

Beginning on page 501, lists under the name of the product the names of the manufacturers of this product. That those shown in black-faced type are especially equipped to quote is evidenced by their readiness to spend money to secure your inquiries—it will pay you to write them.

All Products are listed alphabetically according to the noun, excepting in the case of "Machinery" and "Textile Machinery," which for your convenience are brought together into two main groups, the former embracing classifications 7671 to 9499 and the latter embracing classifications 14993 to 15489; here the various kinds of machines and machinery are subclassified, each with its own classification number.

Sometimes a general classification, such as "Lumber," appears. Subclassifications appear immediately following the general list, however.

Various trades are listed, also, such as Architects and Contractors. In the larger lists the arrangement is geographical, for your more ready convenience. In the smaller lists the arrangement is alphabetical as to firm names.

Classification numbers, corresponding with the numbers in the Index to Classifications of Products, are shown above the outer column of each page.

If you refer directly to the Classified Products Section, look for the NOUN, thus, "Wardrobes, Office," not "Office Wardrobes."

Tradename Section—

Beginning on page 2301, carries the trade-names of all articles in industrial use put out within the past twenty-five years. We have thousands of additional trade-names on file, however. If you know a trade-name but not the name of the manufacturer, use the Trade-name Section.

And Remember—

We have a Complete Service Department ready to give you any further information or assistance you may desire.

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A. Cotton Twine. Estes Mills, Fall River, Mass.
A Gaskets, Washers, Packing and Friction Surfaces, etc. Armstrong Cork Co., Pittsburgh, Pa.
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A Insulating Materials. Cutler Hammer Mfg. Co., Milwaukee, Wis.
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A. & P. Loose Leaf Specialties. Anderson & Prigge, Inc., New York.
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Abell Distance Recording Meters. Sibley-Pitman Electrical Corp., New York.
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A-Best-O Electric Sad Irons. Dover Mfg. Co., Dover, O.
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Abney Levels. Taylor Instrument Companies, Rochester, N. Y.
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Abrasive Surface Grinders. Abrasive Machine Tool Co., East Providence, R. I.
Absorbits Ammonia Masks. Protecto Safety Appliance Co., Newark, N. J.
Absorbo Dustless Dust Cloths. Weil-Ransom Co., Chicago.
Absorbon Absorbent Cotton. Maplewood Mills, Fall River, Mass.
Absorene Wall Paper Cleaner. The Absorene Mfg. Co., St. Louis.
Acana Cold Inner Tube Patches. Acana Co., Louisville, Ky.
Acason Motor Trucks. Acason Co., Detroit, Mich.
Accesso Auto Accessories. Accesso Mfg. Co., Boston.
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Acco Twine. Auburn Converting Co., Auburn, N. Y.
Accurate Fire Extinguishers. Pyrene Manufacturing Co., Newark, N. J.
Accurate Screw Machine Products. Atlantic Mfg. Co., Milford, Conn
Accuratime Cam Shafts. Muskegon Motor Specialties Co., Muskegon, Mich.
Ace Air Spring Shock Absorbers. Mahannah & Alford, San Francisco.
Ace Athletic Supporter. Surgical & Athletic Wear Mfg. Co., Newark, N. J.
Ace Automobile. Apex Motor Corp., Ypsilanti, Mich.
Ace Electric Hoist. The Hoist & Crane Engineering Co., New York.
Ace Fractional H. P. Motors. The A-C Electrical Mfg. Co., Dayton, Ohio.
Ace Gas & Gasoline Engine Igniters. Ace Magneto Co., Goshen, Ind.
Ace High Fire Hose. Home Rubber Co., Trenton, N. J.
Ace Paper Clips. Ace Paper Clip Co., San Francisco.
Ace Receivers & Amplifiers. Precision Equipment Co., Cincinnati.
Ace Track Liners. Crerar-Adams & Co., Inc., Chicago.
Ace Trucks. The American Motor Truck Co., Newark, O.
Acetic Rubber Hose. Electric Hose & Rubber Co., Wilmington, Del.
Acetylene Generators. The Abner Mfg. Co., Wapakoneta, O.
Acheson Brass Fittings. Acheson Mfg. Co., Rankin, Pa.
Acheson Graphite Paints and Lubricants. Acheson Graphite Co., Niagara Falls, N. Y.
Achilles Stamp Racks. R. A. Stewart & Co., New York.
Acieral Metal Compounds. Acieral Co. of America, New York.
Acimet Valves. The Cleveland Brass Mfg. Co., Cleveland, O.
Ackerman Friction Tape. The Ackurate Rubber Company, Inc., New York.
Ackerman-Johnson Screw Anchors and Expansion Bolts. Ackerman-Johnson Co., Chicago.
Ackley Adjustable Car Brakes. National Brake Co., Inc., Buffalo, N. Y.
Ackley Electric Car Brakes. National Brake Co., Buffalo, N. Y.
Acma Carbon Paper and Ribbons. Union Ribbon & Carbon Co., Phila.
Acme Adjustable Expanding Dies. Amer. Tap & Die Co., Greenfield, Mass.
Acme Air Valves. James P. Marsh Co., Chicago.
Acme Alcohol Stoves. Thos. W. Houchin Co., New York.
Acme Aluminum Die Castings. Acme Die-Casting Corp., Brooklyn.
Acme Aluminum Solder. Universal Fluxine Co., Urbana, O.
Acme Amplifying & Power Transformers. Acme Apparatus Co., Cambridge, Mass.
Acme Asbestos Pipe Coverings and Boiler Coverings. Acme Asbestos Covering Co., Chicago.
Acme Asparagus Bunchers. Johnson Mfg. Co., Philadelphia.
Acme Automatic Box Presses & Automobile Turntables. North Machine Co., San Francisco.
Acme Automatic Radiator Valves. Jas. P. Marsh & Co., Chicago.
Acme Automobile Jacks. Spencer's I. S. Sons, Inc., Guilford, Conn.
Acme Irrigating Pumps. Acme Pump Co., Los Angeles.
Acme Awnings. Chicago Flag & Decorating Co., Chicago.
Acme Back Water Traps. Sanitas Mfg. Co., Boston.
Acme Ball Bearing Casters. Schatz Mfg. Co., Poughkeepsie, N. Y.
Acme Bar Bender. Chicago Builders' Specialties Co., Chicago.
Acme Battery Charging Motor Generators and Rheostats. The Acme Electric & Mfg. Co., Cleveland, O.
Acme Battery Switches. Reliable Electric Co., Chicago.
Acme Bed & Furniture Casters, Etc. Schatz Mfg. Co., Poughkeepsie, N. Y.
Acme Belt Fasteners. W. O. & M. W. Talcott, Providence, R. I.
Acme Belting Hose; Matting and Sheet Packing. Acme Rubber Mfg. Co., Trenton, N. J.
Acme Binder Covers, Cattle Stanchions, Corn Binders, Grass Mowers, Sickle Grinders, Etc. Acme Harvesting Mach. Co., Peoria, Ill.
Acme Bleaching Powders. B. T. Babbitt, Inc., New York.
Acme Boiler Compounds. Indianapolis Chemical Co., Indianapolis, Ind. Warren & Bailey Co., Los Angeles, Cal. Starr Oil Co., Chicago.
Acme Bolt Heading Upsetting and Forging, and Nut Tapping Machines. The Acme Machinery Co., Cleveland, O.
Acme Bolts, Scrapers, Anchor, Clevishes, Drop Forgings, Yacht Hooks, Wheels, Winches, Calking Chisels, Boat Cleats, Shackles, Links, Etc. Marine Hardware-Equipment Co., South Portland, Me.
Acme Bottle Box Lock. Beehler Steel Products Co., St. Louis, Mo.
Acme Bottle Washers & Milk Pails. Creamery Pkg. Mfg. Co., Chgo.
Acme Box Straps, Tin & Lead Seals, Pail Clasps, Steel Mats & Stapling Wire. Acme Steel Goods Co., Chicago.
Acme Brake Adjusters, Pipe Clamps. Western Railway Equipment Co., St. Louis, Mo.
Acme Brake Beams. American Steel Foundries, Chicago.
Acme Brand Polishing Compositions. A. P. Munning & Co., New York.
Acme Buffing Compositions. Hanson & Van Winkle Co., Newark, N.J.
Acme Buffing Motors, Dynamos, Incandescent Lamps, Power Motors. Cutlery Renovators, Metal Polish, Etc., Dilg Mfg. Co. Trading Co., New York.
Acme "Build-Up" Wire Letter Trays. Barbee Wire & Iron Works, Chicago.
Acme Bulb Gaskets. Gilbert & Co., Hyattsville, Md.
Acme Cable Fixture. Curtain Supply Co., Chicago.
Acme Calendar Pads. Southgate Press, Boston.
Acme Catch Basin Covers. Madison Foundry Co., Cleveland, O.
Acme Cement and Plaster Blocks and Gypsum. Acme Cement Plaster Co., St. Louis, Mo.
Acme Cement Tools. John Stortz & Son, Philadelphia, Pa.
Acme Cement Wood Fibre Plaster. Acme Cement Plaster Co., St. Louis.
Acme Chain Hoists. Moore-Franklin Co., Winsted, Conn.
Acme Chain Links. Marine Hardware-Equip. Co., So. Portland, Me.
Acme Clod Crushers. Duane H. Nash, Millington, N. J.
Acme Closet Elbows, Floor Drains, Grease Traps. Compound Injector & Specialty Co., Chicago.
Acme Closet Seats. Wm. S. Emery, New York.
Acme Coal Drills. Pettigrew Foundry Co., Harvey, Ill.
Acme Coal Tar Products. Warren Bros. Co., Boston.
Acme Cobblers' Outfits & Shoe Lasts & Stands. Fate-Root-Heath Co., Plymouth, O.
Acme Coffee Roasters. Atsatt Bros., Mattapoisett, Mass.
Acme Cold-saw Cutting-off Machines, Hand Tapping Machines. Hub Machine Welding & Contracting Co., Philadelphia.
Acme Cold Water Paints, Asbestos Pipe & Boiler Coverings. Acme Asbestos Covering & Supply Co., Chicago.
Acme Conduit and Pipe Strap. Acme Pipe Strap Co., Detroit, Mich.
Acme Connecting Links. Marine Hdw. Equip. Co., S. Portland, Me.
Acme Corkboard Insulation, Cork Washers, Life Preservers. Armstrong Cork & Insulation Co., Pittsburgh.
Acme Corn Hooks. American Fork & Hoe Co., Cleveland.
Acme Cotton Mops. Estes Mills, Fall River, Mass.
Acme Cotton Rope. Anniston Cordage Co., Anniston, Ala.
Acme Cultivators. Fairbanks Co., Springfield, O.
Acme Cutlery. Acme Shear Co., Bridgeport, Conn.
Acme Cutting Lubricants. Swan & Finch, New York.
Acme Damper Regulators. John Acton, Brooklyn, N. Y., Smith Chain Works, Medina, N. Y.
Acme Diaphragm Attachments, Vestibule Curtains, Steel Vestibule Curtain Releasing Rollers, Vestibule Curtain Handles and Hooks, Vestibule Curtain Revolving Shield and Casings, Brass and Steel Sash, Friction Rollers and Fixtures. Morton Mfg. Co., Chicago.
Acme Diaphragm Pumps. W. & B. Douglas, Middletown, Conn.
Acme Dinner Pails. National Enameling & Stamping Co., New York.
Acme Door Hangers. Richards-Wilcox Mfg. Co., Aurora, Ill.
Acme Duck Decoys. Canvass Decoy Co., Union City, Tenn.
Acme Electric Bells and Buzzers. Ansonia Elec. Co., Ansonia, Conn.
Acme Electric Stove. Acme Electric & Mfg. Co., Cleveland.
Acme Elevator Buckets. The Webster Mfg. Co., Tiffin, O.
Acme Expansion Reamers. Schellenbach Hunt Tool Co., Cincinnati.
Acme Farm Wagons & Auto Truck Trailers. Acme Wagon Co., Emigsville, Pa.
Acme Felt Tips. Schatz Mfg. Co., Poughkeepsie, N. Y.
Acme Fenders. Eclipse Railway Supply Co., Cleveland, O.
Acme Fibre Box. C. B. Hewitt & Bros., Inc., New York.
Acme Fire Extinguishers. Missouri Lamp & Mfg. Co., St. Louis, Mo.
Acme Firebox Boilers. The Titusville Iron Works Co., Titusville, Pa.
Acme Floor Scraping Machines, Floor Surfacing Machines & Mitre Gauges. Jos. Miotke, Milwaukee, Wis.
Acme Fly Traps. Reynolds Wire Co., Dixon, Ill.
Acme Folding Tables. Carron Co., Ludington, Mich.
Acme Foot Grinders. Tri-Angle Mfg. Co., Freeport, Ill.
Acme Fry Pans & Clothes Line Pulleys. New York Stamping Co., Brooklyn, N. Y.
Acme Fuse. E. I. du Pont de Nemours & Co., Wilmington, Del.
Acme Gasoline Water Heaters. Acme Specialty Mfg. Co., Toledo, O.
Acme Grapple Forks. J. E. Porter Co., Ottawa, Ill.
Acme Grates. Acme Furnace Equipment Co., New York.
Acme Hack Saw Machines. Millers Falls Co., Millers Falls, Mass.
Acme Hand Corn Planters. Potato Imple. Co., Traverse City, Mich.
Acme Hand Riveting Machines. A. C. Williams Co., Ravenna, O.
Acme Hardwood Flooring. West Mich. Flooring Co., Manistee, Mich.
Acme Harness Snaps. Frazer & Jones Co., Syracuse, N. Y.
Acme Hollow Tile. Acme Tile Co., Passaic, N. J.
Acme Hose Sprinklers. Elkhart Brass Mfg. Co., Elkhart, Ind.
Acme Hosiery Knitting Machines. Acme Knitting Machine & Needle Co., Franklin, N. H.
Acme Hydrants. N. O. Nelson Mfg. Co., St. Louis, Mo.
Acme Improved Plow Coulters. Hartman Mfg. Co., Vincennes, Ind.
Acme Improved Stove Pipe. The Reeves Mfg. Co., Dover, O.
Acme Inspectors Lanterns. R. E. Dietz Co., New York.
Acme Instantaneous Water Heaters. Instantaneous Water Heating Co., Kalamazoo, Mich.
Acme Insulating Tapes. General Electric Co., Schenectady, N. Y.
Acme Jacks. Wm. E. Pratt Mfg. Co., Chicago.

Acme Keene's Cement; Gypsum Blocks and Lintels. Acme Cement & Plaster Co., St. Louis, Mo.
Acme Keystone Hair Insulator. Johns-Manville, Inc., New York.
Acme King Binder Attachments. Acme Harvesting Machine Co., Peoria, Ill.
Acme Kitchen Knives. W. G. Browne Mfg. Co., Kingston, N. Y.
Acme Lamp Glass Chimneys. Gill Bros. Co., Steubenville, O.
Acme Laundry Machy. American Laundry Machy. Co., Cincinnati.
Acme Leather Belting. The Eagle Counter & Leather Co., Cincinnati, O.; Norwich Belt Mfg. Co., Norwich, Conn.; Bonner & Barnewall, Inc., New York.
Acme Levels. Acme Level & Mfg. Co., Archbald, O.
Acme Lifting Jacks. Wm. E. Pratt Mfg. Co., Chicago.
Acme Lubricating Oils & Greases. A. W. Harris & Co., New York.
Acme Lumber Crayons. American Crayon Co., Sandusky, O.
Acme Manholes, Inlet Basins. Madison Foundry Co., Cleveland, O.
Acme Mechanical Steel Tubing. Chicago Tube & Iron Co., Chicago.
Acme Metal Shingles. Montrose Metal Roofing Co., Camden, N. J.
Acme Metal Store Fronts. Western Builders Sup. Co., San Francisco.
Acme Metallic Packing. Warren & Bailey Co., Los Angeles.
Acme Metallic Shingles. Messenger & Parks Mfg. Co., Aurora, Ill.
Acme Motor Trucks. Acme Motor Truck Co., Cadillac, Mich.
Acme Mouse Traps. Chassee Mfg. Co., New York City.
Acme (Nestable) Corrugated No-Co-Ro Metal Culverts. Canton Culvert & Silo Co., Bridgeport, Conn.
Acme Multiple Spindle Automatic Screw Machines. The National Acme Co., Cleveland, O.
Acme Neck Yoke Centers. Pioneer Pole & Shaft Co., Piqua, O.
Acme Nestable Culverts. Dominion Metal Product Co., Roanoke, Va. Florida Metal Products Co., Jacksonville, Fla.
Acme Nickel Bronze. Acme Brass Foundry Co., Los Angeles, Cal.
Acme Oil Cup Lubricators. American Lubricator Co., Detroit, Mich.
Acme Oil Filters Walter L. Flower Company, St. Louis, Mo.
Acme Oil Pump Tanks and Faucet Tanks. Wilson & Bennett Mfg. Co., Chicago.
Acme Pails. Trethaway Bros., Parsons, Pa.
Acme Patent Rat & Mouse Traps. Shann Mfg. Co., Middletown, N. Y.
Acme Pierced Wheels. E. Reed Burns, Brooklyn, N. Y.
Acme Pipe Sleeves; Radiator and Register Shields. W. H. Johnson & Son Co., Indianapolis, Ind.
Acme Pipe Turnbuckles. Marine Hdwe. Equip. Co., S. Portland, Me.
Acme Plastic Roof Paint. Chas. R. Long, Jr., & Co., Louisville, Ky.
Acme Plate Blackboard. American Seating Co., Chicago.
Acme Plating Barrels. Klauder-Weldon Dyeing Machine Co., Yardley, Pa.
Acme Pliers & Nippers. Higganum Hdw. Co., Higganum, Conn.
Acme Polished Steel Shafting. Republic Iron & Steel Co., Youngstown, O.
Acme Portable Grain Elevators. Fleming & Sons Mfg. Co., Huntville, Mo.
Acme Portland Cement. R. Fabien & Co., New York.
Acme Post Card Projector. Williams, Brown & Earle, Inc., Phila., Pa
Acme Potato Diggers & Planters. Potato Implement Co., Traverse City, Mich.
Acme Pulverizers. Duane H. Nash, Millington, N. J.
Acme Pumps. W. & B. Douglas, Middletown, Conn.
Acme Quality Paint and Varnish Remover and Floor Wax Polish. Acme White Lead & Color Works, Detroit, Mich.
Acme Radiator Shields and Pipe Sleeves. W. H. Johnson & Son Co., Indianapolis, Ind.
Acme Radio Transformers. Acme Apparatus Co., Cambridge, Mass.
Acme Rail Braces. Bethlehem Steel Co., Bethlehem, Pa.
Acme Rapping Plates. W. H. Knight & Son, Seneca Falls, N. Y.
Acme Reinforcing Bar Benders. Chicago Builders Specialties Co., Chicago, Ill.
Acme Removable Screw Calks. James Reynolds Mfg. Co., New Haven, Conn.
Acme Resistance Wire. Alloy Metal Wire Co., New York.
Acme Rigid H. S. Expanding Blade Shell Reamers. Schellenbach-Hunt Tool Co., Cincinnati, O.
Acme Road Machinery. Acme Road Machinery Co., Frankfort, N. Y.
Acme Roll Feeds for Punch Presses. F. J. Littell Mach. Co., Chicago.
Acme Roof Flanges and Flashings, Pipe Clamps and Hangers. Acme Mfg. Co., Bangor, Me.
Acme Row Locks. Thos. Laughlin Co., Portland, Me.; Wilcox Crittenden & Co., Inc., Middletown, Conn.
Acme Rubber Sheet Packing. Acme Rubber Mfg. Co., Trenton, N. J.
Acme Sand and Gravel Washers; Rendering and Drying Machines. Acme Engineering Co., Dayton, O.
Acme Sash Ribbon. Caldwell Mfg. Co., Rochester, N. Y.
Acme Saw Machines. West Haven Mfg. Co., West Haven, Conn.
Acme Screens, Ventilators and Weatherstrips. Acme Metal Mfg. Co., Chicago.
Acme Screw Machines. The National Acme Co., Cleveland, O.
Acme Sewer, Tide and Back Water Traps. Boston Brass Co., Waltham, Mass.
Acme Shears and Scissors. Acme Shear Co., Bridgeport, Conn.
Acme Shell Reamers. The Schellenbach-Hunt Tool Co., Cincinnati, O.
Acme Shutter Hinges, Self Oiling Pulleys. Wrightsville Hardware Co., Wrightsville, Pa.
Acme Soft Center Plow Steel. Moline Plow Co., Moline, Ill.
Acme Special Section U Shape and Unifold Diaphragms. Morton Mfg. Co., Chicago.
Acme Spot Welders. Acme Electric Welder Co., Los Angeles, Cal.
Acme Spray Nozzle. Deming Co., Salem, O.
Acme Staplers. Acme Staple Co., Ltd., Camden, N. J.
Acme Steam and Hot Water Heaters. Wm. Bartley & Sons, Bartley, N. J.
Acme Steel Carbide Lamp. Justrite Manufacturing Co., Inc., Chicago.
Acme Step Ladders. Rich Pump Co., Cincinnati, O.
Acme Street Indicators. Acme Indicator Co., Cleveland, O.
Acme System Copper Store Fronts. California Fire Proof Door Co., Los Angeles.
Acme Tank Heaters. Cedar Rapids Pump Co., Cedar Rapids, Ia.
Acme Thread Gauges. Brown & Sharpe Mfg. Co., Providence, R. I
Acme Universal Joint. Acme Univ. Joint Mfg. Co., Kalamazoo, Mich.
Acme Ventilators. Acme Ventilator Corp., Boston, Mass.
Acme Wall Mills. Wrightsville Hardware Co., Wrightsville, Pa.
Acme Water Still. Acme Water Still Co., Chicago.
Acme Weather Strips. Robbins Mfg. Co., Chicago, Ill.
Acme Windmill Regulators. Walker Mfg. Co., Council Bluffs, Ia.
Acme Wire Casting Brushes. The Osborn Manufacturing Co., Inc., Cleveland, O.
Acme Wire Letter Trays; Baskets. Barbee Wire & Iron Works, Chicago.
Acme Wire Poultry Netting. Eureka Fence Mfg. Co., Richmond, Ind.
Acme Wood Garden Hose Reels. Cardington Cabinet Co., Cardington, O.
Acme Wood Rolling Doors and Partitions. Union Blind & Ladder Co., Oakland, Cal.
Acme "XX" Bronze. Acme Brass Foundry Co., Los Angeles, Cal.
Acmeclay Duplicator. American Duplicator Co., New York.
Acmefone Receivers and Amplifiers. Acme Apparatus Co., Cambridge, Mass.
Acmetyle Sanitary Flooring, Bell Fireproof and Waterproof Exterior Paints. Acme Asbestos Covering Co., Chicago, Ill.
Acmoid Leather Filler. T. A. Flynn & Son Co., Olean, N. Y.
Aco Hose Clamp. Asch & Co., New York.
Acorn Ball and Thrust Bearings. Acorn Bearing Co., New Britain, Conn.
Acorn Belting. Graton & Knight Mfg. Co., Worcester, Mass.
Acorn Brand Babbitt Metal. A. W. Cadman Mfg. Co., Pittsburgh, Pa.
Acorn Brand Flooring. Nashville Hdw. Flooring Co., Nashville, Tenn.
Acorn Brand Papers. Chicago Paper Co., Chicago.
Acorn Calcined Plaster. Grand Rapids Plaster Co., Grand Rapids, Mich.
Acorn Carburetors. Generator Valve Co., Brooklyn, N. Y.
Acorn Carriage Wheels. Crane & MacMahon, Inc., St. Marys, O.
Acorn Die Heads, Spring Dies. Greenfield Tap & Die Corp., Greenfield, Mass.
Acorn Drill and Tool Steel. Federal Tool & Alloy Steel Corp., Brooklyn, N. Y.
Acorn Electric Stoves. Rathborn Sard Electric Co., Inc., Albany, N. Y.
Acorn Leather Belting. The Buckeye Belting & Supply Co., Cleveland, O.
Acorn Machine Dies. Greenfield Tap & Die Corp., Greenfield, Mass.
Acorn Oak Flooring. Nashville Hardwood Flooring Co., Nashville, Tenn.
Acorn Oil Cups. The Lunkenheimer Co., Cincinnati, O.
Acorn Round Belting. Gratton & Knight Mfg. Co., Worcester, Mass.
Acorn Screen Door Hinges. Columbian Hardware Co., Cleveland, O.
Acorn Stoves. Rathbone, Sard & Co., Albany, N. Y.
Acorn Tackle Blocks. J. S. Beacham & Bro., Baltimore, Md.
Acorn Tire Pump Connections. Stevens & Co., New York.
Acorn Ventilators. Messenger & Parks Mfg. Co., Aurora, Ill.
Acorn Water Filters. T. Linke, New York.
Acoustifelt. Mazer Acoustile Co., Philadelphia, Pa.
Acoustifelt Sound Deadener. Union Fibre Co., Winona, Minn.
Acso Magnet Steel. Atlas Crucible Steel Co., Dunkirk, N. Y.
Actinic Wire Glass. Pennsylvania Wire Glass Co., Philadelphia, Pa.
Actinolite Roof Compound. M. W. Powell Co., Chicago, Ill.
Active Boiler Graphite Feeder. Lunkenheimer Co., Cincinnati, O.
Active Furnaces. Thatcher Furnace Co., New York.
Active Grease Cups. H. B. Sherman Mfg. Co., Battle Creek, Mich.
Active Oil and Grease Cups. H. B. Sherman Mfg. Co., Battle Creek, Mich.
Acto, Waste Fixtures. Speakman Supply & Pipe Co., Wilmington, Del.
Acton Steam Specialties. Western Packing & Supply Co., Chicago.
Adalt Detachable Hub Flexible Couplings. Farnsworth Electrical Works, San Francisco, Cal.
Adamant Aluminum Metal. Bedford Aluminum Specialty Co., New York.
Adamant Babbitt Metal. Magnolia Metal Co., New York.
Adamant Bearing Metals. Magnolia Metal Co., New York.
Adamant Board and Wall Plaster, Wall Finish. U. S. Gypsum Co., Chicago.
Adamant Brass and Bronze Castings. Cincinnati Aluminum Casting Co., Norwood, Cincinnati, O.
Adamant Fire Brick Cement. Batfield Specialty Mfg. Co., Philadelphia, Pa.
Adamant Gauge Glasses. Western Packing & Supply Co., Chicago.
Adamant Insect and Window Screen Cloth. New Jersey Wire Cloth Co., Trenton, N. J.
Adamant No. IXXX White Trowel Finish. U. S. Gypsum Co., Chicago.
Adamant Plaster. U. S. Gypsum Co., Chicago.
Adamant Wall Finish. Keystone Plaster Co., Chester, Pa.
Adamant Varnish. Mayer & Loewenstein, New York.
Adamantine Adjustable Expanding Drills, Hob Taps, Machine Nut Taps, Machine Screw Taps, Screw Plates, Die Stocks, Holders, Dies. American Tap & Die Co., Greenfield, Mass.
Adamantine Candles. The M. Werk Co., St. Bernard, Cincinnati, O.
Adamantine Chrome Steel. Chrome Steel Works, Chrome, N. J.
Adamantine Stocks and Dies, Screw Plates. The Wells Corporation, Greenfield, Mass.
Adamantine Trolley Wheel Bushings. Electrical Material Co.,Chicago.
Adamantean Wood Fillers. O'Brien Varnish Co., South Bend, Ind.
Adamantile Mosaic Ceramic Floor Tile. National Mosaic Tile Co., Mobile, Ala.
Adamantose Closets and Laboratories. Jas. B. Clow & Sons, Chicago.
Adamantose Drinking Fountains. Jas. B. Clow & Sons, Chicago. Ill.
Adamite Packing. Consolidated Packing and Supply, New York.
Adamite Rolls, Pinions and Bending Dies. United Engineering & Foundry Co., Pittsburgh, Pa.
Adamite Steel Rolls and Dies. Pittsburgh Iron and Steel Foundries Co., Pittsburgh, Pa.
Adams Adjustable Leaning Wheel Graders. J. D. Adams & Co., Indianapolis, Ind.
Adams Bone Mills. Wm. E. Pratt Mfg. Co., Chicago, Ill.
Adams Corn Huskers. Advance-Rumeley Co., La Porte, Ind.
Adams Crayons and Pencils. D. C. Adams Crayon Co., St. Louis, Mo.
Adams Economical Transfer Binders. Henry T. Adams Mfg. Co., Chicago.
Adams Equalizers and Neck Yokes. E. B. Adams & Son, Racine, Wis.
Adams-Farwell Squeezer. The Adams Co., Dubuque, Ia.
Adams Gas Engines. Advance-Rumeley Co., La Porte, Ind.
Adams Gradometer. The Adams Co., Dubuque, Ia.
Adams Grate Bars. Dougherty Foundry Co., Allentown, Pa.; Edw. Sellers, Lewisburg, Pa.
Adams Motor Cars. Adams Motor & Mfg. Co., Chicago.
Adams Sad Iron Heaters, Stove Casters, Oval Slide Vises, Damper Clips and Revolving Chimney Tops. Adams Co., Dubuque, Ia.
Adams Seamless Drawing Tubing. American Tube Works, Boston.
Adams Snow Shovels. B. W. Aldrich & Co., Wallingford, Vt.
Adams St. Louis Lumber Crayons. D. C. Adams Crayon Co., St. Louis, Mo.
Adams Superior Brushes. J. J. Whiting-John L. Adams Co., Boston, Mass.
Adamson Rubber Mill Machinery. Adamson Machine Co., Akron, O.
Adamson Vulcanizers. Adamson Mfg. Co., East Palestine, O.
Adaptable Incandescent Lamp Replacers. McGill Mfg. Co., Valparaiso, Ind.
Adapter Power Sprayer. Deming Co., Salem, O.
Adapti Boxes and Conduit Fittings. Adapti Mfg. Co., Cleveland, O.
Adco Shock Absorbers. Auto Device Mfg. Co., Milwaukee, Wis.
Addometer Calculating Machines. Arthur W. Lawrence, New York.

Addresserpress Addressing Machine. The Elliot Co., Cambridge, Mass.
Addressograph Addressing Machine. The Addressograph Co., Chicago.
Adelbert Rubber Roofing. George Worthington Co., Cleveland, O.
Ad-el-ite Cement and Brick Waterproof Coatings, Enamel, Iron and Steel Oil Paint and Wood Fillers, Depot and Building Paints, Paint and Varnish Removers, Wood Stains, Railway Varnishes,. Adams & Elting Co., Chicago.
Ad-el-ite Motor Carbon Remover. Adams & Elting Co., Chicago.
Adelphia Daters. R. A. Stewart & Co., New York.
Addie Fuse Testers. Electric Specialty Co., Cresco, Ia.
Addis Style Wood Carving Tools. Mack & Co., Rochester, N. Y.
Add-On Plug Attachments. Magnus Electric Co., Inc., New York.
Ad-El-Ite Enamels, Single Stains. Adams & Elting Co., Chicago.
Adell Automobile Jacks. Adell Mfg. Co., Orange, Mass.
Ad-El-Lac Wood Stains. Adams & Elting Co., Chicago.
Adflex Metallic Hose. Advance Hose Mfg. Co., Philadelphia, Pa.
Adheso Endless Bevelled Transmission Belting for Small Units. Hide, Leather & Belting Co., Indianapolis, Ind.
Adirondack Plates. Oval Wood Dish Corp., Tupper Lake, N. Y.
Adirondack Row Locks. Thos. Laughlin Co., Portland, Me.; Wilcox, Crittenden & Co., Inc., Middletown, Conn.
Adjustable I-Beam Trolleys. Palmer-Bee Company, Detroit, Mich.
Adjustable Stencils. The C. H. Hanson Co., Chicago.
Adjustable Trolley Barn Door Hanger. Richards-Wilcox Mfg. Co., Aurora, Ill.
Adjustaphone Desk Telephone Brackets. Galesburg Writing Machine Co., Galesburg, Ill.
Adjusto Embroidery Hoops. Embro Mfg. Co., Canton, O.
Adjusto Generator Valves. Wm. Powell Co., Cincinnati, O.
Adjusto-Lock Steering Wheels. Coulter Mfg. Co., Buffalo, N. Y.
Adjusto Pipe Sleeves. Beaton & Corbin Mfg. Co., Southington, Conn.
Adjusto Stencils. New York Stencil Works, New York.
Adjustoglas Goggles, Eye Protectors and Masks. The Safety Equipment Service Co., Cleveland, O.
Adjustoweld Goggles and Masks. The Safety Equipment Service Co., Cleveland, O.
Adlake Car Sash Balances, Car Bells and Gongs, Ratchet Hand Car Brakes, Long Time Burners, Signal Lamp Burners, Headlights, Chimneys, Postal Car Closets, Cuspidors, Lamp and Lantern Globes, Controller or Brake Handles, Car Platform or Vestibule Grab Handles, Bell Cord Hangers, Electric Car Headlights, Locomotive Acetylene Gas Headlights. Locomotive Oil Headlights, Electric Car Lighting Fixtures, Acetylene Lamps, Car Lamps, Coach Marker Lamps, Coach Tail, Gate Crossing, Engine Classification, Indicator or Locomotive or Caboose, Railway Semaphore Signal Switch Lamps, Railway Lanterns, Car, Dental, Car Enameled Iron, Car White Metal, Folding Lavatories, Semaphore and Signal Lamp Lenses, Sash Lifts, Contractors' Acetylene Lights, Sash Car Locks, Switch Railway Padlocks, Hat and Baggage Car Racks, Deck Sash Openers, Sash Operating Devices, Water Car Tanks, Car Ventilators, Unity Lighting Fixtures, Inspection Card Holder, Railway Motor Car Lamps, Bunk, Bridge and Traffic Lamps, Reading Lamps for Locomotives, and Electric Attachments for Signal Lamps, Oil and Electric Automobile and Truck Lamps. Adams & Westlake Co., Chicago.
Admiral Boat Anchors. Columbia Steel Co., San Francisco, Cal.
Admiral Boilers and Furnaces. The Boynton Furnace Co., Chicago.
Admiral Cast Steel Stockless Anchors. Admiral Anchor Co., Philadelphia, Pa.
Admiral Cotton Hose. Acme Rubber Mfg. Co., Trenton, N. J.
Admiral Cultivators. J. I. Case Plow Wks., Racine, Wis.
Admiral Gas Ranges. The A. T. Nye & Son Co., Columbus, O. The Wm. Powell Co., Cincinnati, O.
Admiral Pumps. The Goulds Mfg. Co, Seneca Falls, N. Y.
Admiral Stockless Anchors. Admiral Anchor Co., Philadelphia, Pa.
Admiral Hay Presses. Admiral Hay Press Co., Kansas City, Mo.
Admiral Lawn Mowers. F. & N. Lawn Mower Co., Richmond, Ind.
Admiral Oil Cup Lubricators. American Lubricator Co., Detroit, Mich.
Adoil Oil Hose. Advance Hose Mfg. Co., Philadelphia, Pa.
Adonite Alloy Rolls. Mackintosh-Hemphill Co., Pittsburgh, Pa.
Adpaco Wood Silos. Cowmatic Corp., Lynchburg, Va.
Adpasco Metallic Packing. Advance Packing & Supply Co., Chicago.
Adpasco Treated Gasket Paper. Advance Packing & Supply Co., Chicago.
Adrian Pig Iron. Adrian Furnace Co., Dubois, Pa.
Adrian Press Board. C. B. Hewitt & Bros., Inc., New York.
Adrian Rotary Scraper. Adrian Mfg. Co., San Jose, Cal.
Adrian Woven Wire Fences. Adrian Wire Fence Co., Adrian, Mich.
Adriance-Bate Flue Cleaner. The Adriance-Bate Corp., Brooklyn, N. Y.
Adriance Binders, Harvesters, Mowers, Sulky Hay Rakes, Reapers. Moline Plow Co., Moline, Ill.
Adriance Inclinable Presses. Adriance Mach. Wks., Inc., Brooklyn, N.Y.
Adriance Punching Machines. Adriance Mach. Works, Brooklyn, N. Y.
Adro Metal Polish. Adro Co., New York.
Adsco Radiator Valves, Pipe Fittings, Water Heaters, Etc. American District Steam Co., North Tonawanda, N. Y.
Adt Potato Flour and Tobacco Preparing Machines. John B. Adt Co., Baltimore, Md.
Advance Automatic Roller Bearing Sash Operating Device. Advance Co., Richmond, Va.
Advance Automobile and Cushion Springs. Reynolds Spring Co., Dept. H, Jackson, Mich.
Advance Axle Grease, Belt Dressing, Etc. American Oil Corp., Jackson, Mich.
Advance Babbitt Metal. U. S. Reduction Company, Chicago.
Advance Ball-Bearing Trolley House Door Hanger. Richards-Wilcox Mfg. Co., Aurora, Ill.
Advance Bean and Pea Cleaners. C. O. Tinkham, Akron, N. Y.; J. E. Owens Co., Minneapolis, Minn.
Advance Boiler Feeders. Boiler Injectors, Steam and Oil Separators. F. E. Keyes & Son, New York.
Advance Brushes. Manufacturers Brush Co., Cleveland, O.
Advance Car Door Rollers. Advance Car Mover Co., Appleton, Wis.
Advance Concrete Mixing Machines. The Lansing Company, Lansing, Mich.
Advance Cook Stoves. B. C. Bibb Stove Co., Baltimore, Md.
Advance Cork Feltbak, Feltbak (with corks) and White Stripe Transmission Linings for Fords; Asbestos and Feltbak Asbestos Brake Linings. Advance Automobile Accessories Corp., Chicago.
Advance Cork Insert Brake Lining. Advance Automobile Accessories Corp., Chicago, Ill.
Advance Cotton Rope. Anniston Cordage Co., Anniston, Ala.
Advance Cupel Machines, Hydro-Carbon Burners, Sample Ore Grinder. Calkins Co., Los Angeles, Cal.
Advance Currycombs. Wisconsin Metal Products Co., Racine, Wis.
Advance Door Hangers. Richards-Wilcox Mfg. Co., Aurora, Ill.
Advance Double-Unit Oil Burner. Advance Machine Co., Chicago.
Advance Ensilage Cutters, Clod Crushers, Grain Weighers, Threshers, Stackers, Separators, Corn Husker and Compound and Traction Engines. Advance Rumley Co., La Porte, Ind.
Advance Ensilage and Fodder Cutters. Doylestown Agricultural Co., Doylestown, Pa.
Advance Feed and Hay Carriers. Olson Mfg. Co., Albert Lea, Minn.
Advance Felt Gaskets, Washers, Wicks and Felt for Mechanical Use. Advance Felt Specialty & Cutting Co., Chicago.
Advance Felt Wicks, Washers and Gaskets. Advance Felt & Cutting Co., Chicago.
Advance Fertilizer Distributors. Bateman Mfg. Co., Grenloch, N. J.
Advance Fire Extinguishers. Missouri Lamp & Mfg. Co., St. Louis, Mo.
Advance Force Pump. Goulds Mfg. Co., Seneca Falls, N. Y.
Advance Gas Engines. Henry Millard & Henry Co., York, Pa.
Advance Gasoline Engines. Geo. D. Pohl Mfg. Co., Vernon, N. Y.
Advance Glue Heaters and Pots. New Advance Mach. Co., Van Wert, Ohio.
Advance Ground Connection Clamps. Geo. Heinemann & Co., Phila.
Advance Hame Tug Plates. Frazer & Jones Co., Syracuse, N. Y.
Advance High Pressure Couplings. Advance Hose Mfg. Co., Philadelphia, Pa.
Advance Hose. Empire Tire & Rubber Corp., Trenton, N. J.
Advance Lawn Mowers. American Lawn Mower Co., Muncie, Ind.
Advance Linings. Advance Automobile Accessories Corp., Chicago.
Advance Loose Leaf Devices. Asa L. Shipman's Sons, New York.
Advance Motors. Advance Electric Co., The, St. Louis, Mo.
Advance Packing, Metal Polish, Gauge Glasses, Glass Tubes, Gaskets, and Clutch Discs, "3 Ply" Brake Lining. Advance Packing & Supply Co., Chicago.
Advance Paper Cutting Machines. Challenge Machy. Co., Grand Haven, Mich.
Advance Polishing Wheels. Advance Wheel Mfg. Co., Inc., Chicago.
Advance Pumps and Pumping Outfits. Advance Pump and Compressor Co., Battle Creek, Mich.
Advance Pyrometers. Wilson-Meaulen Co., New York.
Advance Resistance Wire. Driver-Harris Co., Harrison, N. J.
Advance Rubber Stamps. Consolidated Stamp Mfg. Co., New York.
Advance Saftey Car Wrench. Advance Car Mover Co., Appleton, Wis.
Advance Sash Operating Device. O. J. Dean & Co., Chicago.
Advance Shaper. Wayne Machinery Co., Ft. Wayne, Ind.
Advance Smut Treaters. New Liberty Washing Machine Co., St. Paul
Advance Stapling Machines. Saranac Machine Co., Benton Harbor.
Advance Traction Engines. Advance-Rumley Co., La Porte, Ind.
Advance Traps, etc. Advance Mfg. Co., Erie, Pa.
Advance Voltmeters. Eldredge Electric Mfg. Co., Springfield, Mass.
Advance Water Filters. T. Linke, New York.
Advertigraph. Williams, Brown & Earle, Inc., Philadelphia, Pa.
Aegis 3½% Nickel Steels. United Alloy Steel Corp., Cleveland, O.
Aeolus Building Ventilators; Floor Vents. Aeolus Dickinson Co., Industrial Division, Paul Dickinson, Inc., Chicago.
Aeolus Tire Air Pumps. Bridgeport Brass Co., Bridgeport, Conn.
Aerial Closets. Federal-Huber Co., Chicago.
Aerial Hot Water Radiators. H. B. Smith Co., Westfield, Mass.
Aerial Tramways American Steel & Wire Co., Chicago.
Aerial Wind Mills. Enterprise Wind Mill Co., Sandwich, Ill.
Aeriola Receivers and Amplifiers. Westinghouse Elec. and Mfg. Co., East Pittsburgh, Pa.
Aer-In-Attachments for Carburetors. Ware Brothers, Chicago.
Aer-Line Radiator Air Vents and Valves. Bogardus Co., Chicago.
Aermore Exhaust Horn. The Fulton Co., Milwaukee, Wis.
Aermotor Jacks, Pumps, Tanks, Windmills, Gas Engines, etc. Aermotor Co., Chicago.
Aero Air Hose. Quaker City Rubber Co., Philadelphia, Pa.
Aero Acid Substitute for Cream Tartar. Provident Chemical Wks., St. Louis, Mo.
Aero Automatic Fire Alarm System. Aero Alarm Co., New York.
Aero Cable Cars. Fairmont Electric and Mfg. Co., Philadelphia, Pa.
Aero Coal Pulverizers. Aero Pulverizer Co., New York.
Aero Fans. Buffalo Forge Co., Buffalo, N. Y.
Aero Gas Soldering Coppers. E. W. Bliss Co., Brooklyn, N. Y.
Aero Hose. Quaker City Rubber Co., Philadelphia, Pa.
Aero Lawn Mowers. Dille & McGuire Mfg. Co., Richmond, Ind.
Aero Line Ventilators. Paul R. Jordan & Co., Indianapolis, Ind.
Aero Lubricating Oils and Grease. Puritan Oil Co., Cleveland, O.
Aero Padlocks. E. T. Fraim Lock Co., Lancaster, Pa.
Aero-Sled Ice Sled. Aerothrust Engine Co., Laporte, Ind.
Aerobell Electric Clothes Washing Machines. Foote-Burt Co., Cleveland, O.
Aerobell Electric Vacuum Clothes Washing Machine. The Foote-Burt Co., Cleveland, O.
Aeroboost Siplion Ventilators. Paul R. Jordan & Co., Indianapolis.
Aeroplane Shock Absorbers. Goodyear Tire & Rubber Co., Akron, O.
Aeroframe Gas Saver. The Aeroframe Co., Boston, Mass.
Aeroflex Metal Hose. United Metal Hose Co., New York.
Aerolux No-Whip Ventilating Porch Shades and Window Awnings. The Aeroshade Company, Waukesha, Wis.
Aeron Finishing System. The DeVilbiss Mfg. Co., Toledo, O.
Aeroplane Balanced Rotary Ventilators. Paul R. Jordan & Co., Indianapolis, Ind.
Aeroplane Leather Belting. S. R. Sikes Co., Minneapolis, Minn.
Aerospra Compressed Air Sprayer. Deming Co., Salem, O.
Aeropull Storm Band Ventilator. Paul R. Jordan & Co., Indianapolis, Ind.
Aerowing Elec. Washing Machine. Boss Washing Machine Co., Harris & Pine, Cincinnati, O.
Aerzonator Air Purifying Bloc. U. S. Sanitary Specialties Corp., Chicago.
Aertite Boiler Wall Coating. Johns-Manville, Inc., New York.
Aertex Packings. Strong Machinery & Supply Co., New York.
Aetna Ball Bearings. Aetna Ball Bearing Mfg. Co., Chicago.
Aetna Ball Seat Cocks. Nason Mfg. Co., New York.
Aetna Cement Mfrs. Aetna Portland Cement Co., Detroit, Mich.
Aetna Curling Iron Heaters. Nicol & Co., Chicago.
Aetna Dynamite. Aetna Explosives Co., Inc., New York.
Aetna Explosives. Aetna Explosive Co., Inc., New York.
Aetna Fire Extinguisher. Aetna Extinguisher Co., New York.
Aetna Grate Bars. Salamander Grate Bar Co., New York.
Aetna Grate Bars and Shaking Grates. Bruce-Macbeth Engine Co., Cleveland, O.
Aetna Heaters. Illinois Malleable Iron Co., Chicago.
Aetna Lamp Wicks. Massasoit Mfg. Co., Fall River, Mass.
Aetna Lawn Sprinklers. W. D. Allen Mfg. Co., Chicago.
Aetna Leather Belting. Aetna Belting Co., Boston, Mass.
Aetna Shade Cloth. Interstate Shade Cloth Co., Hoboken, N. J.
Aetna Steel Toe and Heel Calks. Aetna Nut Co., Southington, Conn.
Aetna Third Rail Insulators. Albert & J. M. Anderson Mfg. Co., Boston, Mass.

Afcco Chain Link Fence. American Fence Construction Co., New York.
Afco Room Heaters. American Furnace Co., St. Louis, Mo.
Afghan Matt Brick. Crawfordsville Shale Brick Co., Crawfordsville, Ind.
Afico Filing Cabinets. Automatic File & Index Co., Green Bay, Wis
African Palm Fibre. Chas. W. Snell Co., Chicago.
Agalite. International Pulp Co., New York.
Agalite Filler. United States Talc Co., New York.
Agasote Fibre Boards. Pantosote Co., New York.
Agasote Wood Substitutes. Agasote Millboard Co., Trenton, N. J.
Agate Enameled Ware. Lalance & Grosjean Mfg. Co., New York.
Agate Hot Water Bottles and Syringes. Tyer Rubber Co., Andover, Mass.
Agate Kote Enamels. Armstrong Paint & Varnish Works, Chicago.
Agate Kerosene and Oils. True's Oil Co., Spokane, Wash.
Agatex Concrete Floor Hardener. Truscon Laboratories, Detroit, Mich.
Agatex Hardener. Trussed Concrete Steel Co., Detroit, Mich.
Agathon Steels. The Central Steel Co., Massillon, O.
Agatite Varnish Stains. Campbell Glass & Paint Co., St. Louis, Mo
Agatite Wood Fiber Plaster. American Cement Plaster Co., Buffalo, N. Y.
Agawan Rubber Hose. National India Rubber Co., Bristol, R. I.
Aglite All Glass Lighting Fixtures. The Brascolite Company, Division of St. Louis Brass Mfg. Co., St. Louis, Mo.
Agnel's Paste. E. Fougera & Co., New York.
Aggre Meter Steel Bins and Road Storage Bins. Erie Steel Construction Co., Erie, Pa.
Agilis Jr Brass Faucets. Crane Co., Chicago, Ill.
Aglow Gas Heaters. Los Angeles Machine Wks, Los Angeles, Cal.
Agos Creamery Testers. Vermont Farm Machine Co., Bellows Falls, Vt.
Agrippa Belting. Agrippa Mfg. Corp., New York.
Agrippa Wrenches, Clamps, Tool Holders, etc. J. H. Williams & Co. Buffalo, N. Y.
Agton Suction Hose. Quaker City Rubber Co., Philadelphia, Pa.
Agua Cooler Auto Running Board Cooler. Moore Mfg. Co., Spokane, Wash.
Agua Pura Boiler Compound. Schalk Chemical Co., Los Angeles, Cal.
Aguila Babbitt Metal. Hoyt Metal Co., St. Louis, Mo.
Ahlberg Dual Transmissions for Trunks. K. E. Ahlberg Co., Los Angeles, Cal.
Ahlberg Re-ground Ball Bearings. Ahlberg Bearing Co., Chicago.
Ahlstrom Expansion and Toggle Bolts. Steward & Romaine Mfg. Co., Philadelphia, Pa.
Aiken Hydraulic Operating Valves. Pittsburgh Valve, Foundry & Construction Co., Pittsburgh, Pa.
Ahrens-Fox Motor Fire Engines. Ahrens-Fox Fire Engine Co., Cincinatti, O.
Aico Electrical and Moloed Heat Proof Insulation. Am. Insulator Co., New Freedom, Pa.
Aigenlite Radio Crystals. Mineral Products Co., Los Angeles, Cal.
Aiken Hollow Handle Tool and Saw Sets. Sargent & Co., New Haven, Conn.
Aiken Pattern Saw Sets. Bullock Mfg. Associates, Springfield, Mass. L. A. Sayre & Co., Newark, N. J. P. Lowentraut Mfg. Co., Newark, N. J.
Aimco Wire Machinery. American Insulating Machy. Co., Phila., Pa.
Ainsworth Engineers' and Surveyors' Instruments. Wm. Ainsworth & Sons, Denver, Colo.
Air-Alarm Fire Alarms. Goldstein Engn'g Co., New York.
Air-Boy Automatic Compressor Sets. Harry M. Perry, Los Angeles, Cal.
Air Cell Insulation. Johns-Manville, Inc., New York.
Air Cooled Refuse Burner. Archer Blower & Pipe Co., Seattle, Wash.
Air Friction Carburetors and Spark Plugs. Air Friction Carburetor Co., The, Dayton, Ohio.
Air Gas Pop Safety Valves. Lunkenheimer Co., Cincinnati, O.
Air Hose No. 6. Smyth Rubber & Packing Co., Jersey City, N. J.
Air King Padlocks. Fraim-Slaymaker Hardware Co., Inc., Lancaster, Pa.
Air King Wind Mills. Enterprise Wind Mill Co., Sandwich, Ill.
Air Shooter Electric Portable Air Compressor. A. H. Peterson Mfg. Co., Milwaukee, Wis.
Airco Welding Apparatus. Air Reduction Co., New York.
Airdry Hand and Face Electric Dryers and Towels. Groton Electrical Devices, Inc., Groton, N. Y.
Airdrive Gasoline Engines. George W. Kemp, Muncie, Ind.
Airedale Toilet Tissue. National Paper Products Co., San Francisco.
Airex Air Extractor. General Condenser Co., Philadelphia, Pa.
Airgo Starters. Gray Motor Co., Highland Park, Mich.
Airhole Glassware. Macbeth-Evans Glass Co., Pittsburgh, Pa.
Airid Air-Valves. American Radiator Co., Chicago.
Airiron Colored Wool Waste. Massasoit Mfg. Co., Fall River, Mass.
Airkore Doors. The J. G. Wilson Corp., New York.
Airollene Lubricating Grease and Oil. Chicago Pneumatic Tool Co., New York.
Air-O-Lite Gasoline Lighting System. White Mfg. Co., New York.
Air-O-Lite Portable Table Lamps. Coleman Lamp Co., Los Angeles. Coleman Lamp Co., Wichita, Kan.
Airspring Compressed Air Grease Cups. Hunter Pressed Steel Co., Lansdale, Pa.
Airtite Refrigerator and Cooling Rooms. National Refrigerators Co., St. Louis, Mo.
Air-Tite Valve Cores. Snedden Machine Works, Los Angeles, Cal.
Airveyor Pneumatic and Suction Conveyors. Guarantee Construction Co., New York.
Airveyor Unloaders and Conveyors. Guarantee Construction Co., New York.
Airway Clothes Washing Machy., Vacuum Cleaners, Radio Receiving Sets, Transformers, Motors, Generators, Etc. Airway Electric Appliance Corp., Toledo, O.
AiR-Way Multifold Casement Window Hardware. Richards-Wilcox Mfg. Co., Aurora, Ill.
Aisle Hood Air Deflectors. Knowles Mushroom Ventilator Co., New York.
Aislelite Lighting Fixtures. The Broakins Co., Cleveland O.
Ajaco Rope. Ajax Rope Company, Inc., New York.
Ajax Armature Babbitt Metal. Ajax Metal Co., Philadelphia.
Ajax Asbestos Brake Lining. U. S. Asbestos Co., Lancaster, Pa.
Ajax Auto Tires. Ajax Rubber Co., Inc., New York.
Ajax Automobile Trunks. Ajax Trunk & Sample Case Co., New York.
Ajax Babbitt Metal, Bearings, Ingots, Bushings, Etc. Ajax Metal Co., Philadelphia, Pa.
Ajax Batteries. Ajax Battery Company, Passaic, N. J.
Ajax Battery Motors and Motor Fans. Kendrick-Davis Co., Lebanon, N. H.
Ajax Belt Dressing. W. D. Allen Mfg. Co., Chicago.
Ajax Bibb Reseater; Automatic Boring Machine. Ajax Mfg. Co., Pittsburgh, Pa.
Ajax Blacking. J. S. McCormick Co., Pittsburgh, Pa.
Ajax Boiler Compound. Ajax Engineering Co., St. Louis, Mo.
Ajax Brake Beams. American Steel Foundries, Chicago.
Ajax Built-Up Roofing. Johns-Manville, Inc., New York.
Ajax Bull Babbitt Metal. Ajax Metal Co., Philadelphia.
Ajax Bull Bearing Alloy. Ajax Metal Co., Philadelphia, Pa.
Ajax Cements, Roofing and Insulating Felts. Johns-Manville, Inc., New York.
Ajax Chain. American Chain Co., Inc., Bridgeport, Conn.
Ajax Chemical Fire Engines. Ajax Fire Engine Works, Brooklyn, N. Y.
Ajax Chrome Leather Pump Valves. William Potter Co., Los Angeles.
Ajax Concrete Barrows. Sterling Wheelbarrow Co., Milwaukee, Wis.
Ajax Copper Hardened Babbitt Metal. Ajax Metal Co., Philadelphia.
Ajax Corrugated Hopper Doors. The Pressed Steel Mfg. Co., Chicago.
Ajax Crucible Steel. B. M. Jones & Co., Inc., Boston, Mass.
Ajax Diaphragm Pumps. W. & B. Douglas, Middletown, Conn.
Ajax Door Hangers. Richards-Wilcox Mfg. Co., Aurora, Ill.
Ajax Drafting Tables. Williams Brown & Earle, Philadelphia, Pa.
Ajax Dredge Chains. American Chain Co., Bridgeport, Conn.
Ajax Drill Sharpeners. T. H. Proske, Denver, Colo.
Ajax Electric Arc Welder. Atlas Railway Supply Co., Chicago; Railway Track-work Co., Philadelphia, Pa.
Ajax Electric Hand Massage Vibrators. Schunck & Ogg, New York.
Ajax Eyelet Fasteners. Machine Appliance Corp., Brooklyn, N. Y.
Ajax Expansion and Toggle Bolts. Chicago Nut Mfg. Co., Chicago, Ill.
Ajax Fire Brick Chicago Retort and Fire Brick Co., Chicago.
Ajax Fire Doors. Kinnear Mfg. Co., Columbus, O.
Ajax Fire Hose. Gutta Percha & Rubber Mfg. Co., New York.
Ajax Floor and Ceiling Plates. W. A. Russell & Co., New York.
Ajax Floor Hinges. Chicago Spring Hinge Co., Chicago.
Ajax Fly Swatter. Lubbers & Bell Mfg. Co., Clinton, Ia.
Ajax Foundry Blacking: Core Wash. J. S. McCormick Co., Pittsburgh.
Ajax Galvanized Iron Range Boilers. Walls, Owen & Stambach Co., Philadelphia, Pa.
Ajax Genuine Babbitt Metal. Ajax Metal Co., Philadelphia.
Ajax Grey Iron Castings. Ajax Foundry Co., Anniston, Ala.
Ajax Grindstones. Cleveland Stone Co., Cleveland, O.
Ajax Heating Stoves. Indiana Foundry Co., Inc., Indiana, Pa.
Ajax Hickory Handles. Hartwell Handle Co., Harvey, Ill.
Ajax Hinged Door Hangers. Stowell Co., S. Milwaukee, Wis.
Ajax Hot Air Furnaces. Co-operative Fdry. Co., Rochester, N. Y.
Ajax Hot Metal Working Machines. The Ajax Manufacturing Co., Cleveland, O.
Ajax Ingots, Journal Bearings, Babbitt Metals. Ajax Metal Co., Philadelphia, Pa.
Ajax Insulator Pins and Brackets. Diamond Expansion Bolt Co., New York.
Ajax Insulating Varnishes and Impregnating Compounds. Sherwin-Williams Co., Cleveland, O.
Ajax Lamp Adapters. Central Telephone & Elec. Co., St. Louis, Mo.
Ajax Lawn Sprinklers. W. D. Allen Mfg. Co., Chicago.
Ajax Letter Drop Plates and Rust Proof Mail Boxes. Ajax Hardware Mfg. Co., Buffalo, N. Y.
Ajax Leather Belting, Leather Belt Oil, Leather Belt Cement, Lawn Sprinkler. W. D. Allen Mfg. Co., Chicago.
Ajax Lighting Fixtures and Electrical Specialties. Central Telephone & Electric Co., St. Louis, Mo.
Ajax Liquid Paste Metal Polish. Crowell Chemical Co., Beverly, Mass.
Ajax Lubricators. America Lubricator Co., Detroit, Mich.
Ajax Machinists' Vises. Bonney Forge & Tool Wks., Allentown, Pa.
Ajax Manganese Steel One-Piece Guard Rail. Ramapo Ajax Corp., Hillburn, N. Y.
Ajax Mail Boxes; Letter Plates; Hardware Specialties. Ajax Hardware Mfg. Co., Buffalo, N. Y.
Ajax Mine Blacksmith Hammers. T. H. Proske, Denver, Colo.
Ajax Mitifine Babbitt Metal. Ajax Metal Co., Philadelphia.
Ajax-Northrup High Frequency Induction Furnace. The Ajax Electrothermic Corp., Trenton, N. J.
Ajax Oil Belting, etc. W. D. Allen Mfg. Co., Chicago.
Ajax Oil or Gas Forges. T. H. Proske, Denver, Colo.
Ajax Packing. Squires & Byrne Rubber Co., San Francisco, Cal.
Ajax Paints and Impregnating Compounds. Sherwin-Williams Co., Cleveland, O.
Ajax Plumbite Babbitt Metal. Ajax Metal Co., Philadelphia.
Ajax Plural Plug Sockets. Ajax Electric Specialty Co., St. Louis, Mo.
Ajax Pneumatic Riveters. Cleveland Pneumatic Tool Co., Cleve., O.
Ajax Pole Clamps and Tree and Wall Insulators. Line Material Co., South Milwaukee, Wis.
Ajax Portable Reinforcing Bar Benders. Steel & Iron Products Co., Chicago, Ill.
Ajax Radio Rheostats. Ajax Electric Co., Cambridge, Mass.
Ajax Road King Tires. Ajax Rubber Co., Milbrook, N. Y.
Ajax Rocking & Dumping Grates. Valley Iron Wks., Williamsport, Pa.
Ajax Rubber Bands. Parker, Stearns & Co., Brooklyn, N. Y.
Ajax Rubber Bottles. Tyer Rubber Co., Andover, Mass.
Ajax Rubber Horse Shoe Pads. Revere Rubber Co., Chelsea, Mass.
Ajax Rubber Tires. Ajax-Grieb Rubber Co., Trenton, N. J.
Ajax Rust Proof Mail Boxes. Ajax Hardware Mfg. Co., Buffalo, N. Y.
Ajax Sanitary Parchment. Dexter Sulphite Pulp & Paper Co., Dexter, N. Y.
Ajax Sewer Blocks. Southern Pipe and Culvert Co., Macon, Ga.
Ajax Shaking Grates. Chas. Robson & Co., Philadelphia, Pa.
Ajax Sickle Grinders. S. Cheney & Co., Manlius, N. Y.
Ajax Sliding Steel Doors. The Kinnear Mfg. Co., Columbus, O.
Ajax Spring Hinges. Chicago Spring Hinge Co., Chicago.
Ajax Stands. Williams, Brown & Earle, Inc., Philadelphia, Pa.
Ajax Street Lighting Standard Posts. Caldwell & Drake Iron Works, Dept. H, Columbus, Ind.
Ajax System of Lightning Protection. Ajax Lightning Conductor Co., Chicago.
Ajax Tanks. Ajax Tank & Tower Co., Chicago.
Ajax Time Stamp. Boston Time Stamps Co., Inc., Boston, Mass. R. A. Stewart & Co., New York.
Ajax Tinite Babbitt Metal. Ajax Metal Co., Philadelphia.
Ajax Tinners' Snips. Acme Shear Co., Bridgeport, Conn.
Ajax Trunks and Sample Cases. Ajax Trunk & Sample Case Co., New York.
Ajax Turbine Water Wheels. Salem Foundry & Machine Works, Salem, Va.
Ajax Valves. The Diamond Rubber Co., Inc., Akron, O.
Ajax Warm Air Furnaces. Co-operative Foundry Co., Rochester, N. Y.
Ajax Wood and Tie Boring Machines. Ajax Mfg. Co., Pittsburgh, Pa.
Ajax Wood Boring Machines and Bibb Seat Reamers. Ajax Mfg. Co., Pittsburgh, Pa.

Ajax Wood Saw Rods. Sargent & Co., New Haven, Conn.
Akar Ignition Apparatus, Spark Timers. Akar Ignition Co., Phila.
Akbar Steel Rolling Doors and Shutters. Kinnear Mfg. Co., Columbus, O.
Akerlund Gas Products. Akerlund & Semmes, Inc., New York.
Akins Rail Braces. Pettibone, Mulliken & Co., Chicago.
Akins-Rothwell Mining Agitators. Colorado Iron Works Co., Denver.
Akro Metal Gaskets. Akron Metallic Gasket Co., Akron, O.
Akron Chilian Mills. Wellman-Seaver-Morgan Co., Cleveland, O.
Akron Concrete Carts; Wheelbarrows; Salamanders. Akron Barrow Co., The, Cleveland, O.
Akron Copper Asbestos Ribbed Gaskets. Akron Metallic Gasket Co., Akron, O.
Akron Fertilizer Distributors & Garden Cultivators. Akron Cultivator & Mfg. Co., Cleveland.
Akron Lead and Copper Gaskets, Plain & Corrugated. Akron Metallic Gasket Co., Akron, O.
Akron Leather Belting. Akron Belting Co., Akron, O.
Akron-McNeil Charging Barrows. The Akron Barrow Co., Cleveland.
Akron-Multi Motor Trucks. Thomart Motor Co., Kent, O.
Akron Multi-Truck. The Thomart Motor Co., Akron, O.
Akron Plaster. American Cement Plaster Co., Buffalo, N. Y.
Akron Rubber Hose. B. F. Goodrich Co., Akron, O.
Akron Rubbermold Tire Repair Equipment. Akron Rubber Mold & Machine Co., Akron, O.
Akron Sewer Pipe. The Robinson Clay Products Co., Akron, O.
Akron Wall Plaster. American Cement Plaster Co., Lawrence, Kan.
Akron-Williams Hydraulic Press, Vulcanizer, Tire Factory Equipment. Williams Foundry & Machine Co., Akron, O.
Akronite Compressed Asbestos Gaskets. Akron Metallic Gasket Co., Akron, O.
Akronite Sheet Packing. Akron Metallic Gasket Co., Akron, O.
Akuret Oil Gauges. Wallace Motor Products Corp., New York.
Alabama Belting Hose Packing. Empire Tire & Rubber Corp., Trenton, N. J.
Alabama Cement. Southern Cement Co., Birmingham, Ala.
Alabama Corrugated Rim Ventilators. Decatur Cornice & Roofing Co., New Decatur, Ala.
Alabama Cotton Rope. Anniston Cordage Co., Anniston, Ala.
Alabasco Wall Paint. Alabastine Co., Grand Rapids, Mich.
Alabaster Cement & Wood Fibre Plaster, Wall Finish. United States States Gypsum Co., Chicago.
Alabastine Paint; Wall Coating. Alabastine Co., Grand Rapids, Mich.
Aladdin Aluminum Hollow Ware. Cleveland Metal Products Co., Cleveland, O.
Aladdin Cooking Utensils. The Cleveland Metal Products Co., Cleveland, O.
Aladdin Incandescent Gas Mantles. Welsbach Light Co., Phila., Pa.
Aladdin Magic Gloss Varnish. R. F. Johnston Paint Co., Cincinnati, Ohio.
Aladdin Readi-Cut Houses. Aladdin Co., Bay City, Mich.
Aladdin Thermos Bottles. Aladdin Industries, Inc., Chicago.
Alamo Duck. Wm. L. Barrell Co. of N. Y., Inc., New York.
Alamo Electric Lamp Posts. Casey Hedges Co., Chattanooga, Tenn.
Alamo Gas Engines. Norton Engine & Power Co., Los Angeles, Cal.
Alamo Gasoline Engines. Alamo Engine Co., Hillsdale, Mich.
Alaska Ice Chippers & Ice Cream Freezers. Alaska Freezer Co., Winchendon, Mass.
Alaska Refrigerators. Alaska Refrigerator Co., Muskegon, Mich.
Alaska Stove Trimmings. Troy Nickel Wks., Albany, N. Y.
Alaskan Ice & Refrigerating Machines. Armstrong Machinery Co., Spokane, Wash.
Alaskan Water Coolers. A. C. Kraft, Chicago.
Alaxite Abrasive. Carborundum Co., Niagara Falls, N. Y.
Alba Car Lighting, Incandescent Lamp Globes, Glass or Porcelain Shades and Reflectors, Glass. Macbeth-Evans Glass Co., Pittsburgh, Pa.
Alba Cotton Softeners. E. F. Houghton & Co., Philadelphia.
Alba-Lite Cold-Water Paint. Alabastine Co., Grand Rapids, Mich.
Alba Sash Cords. Estes Mills, Fall River, Mass.
Alba Whiting. Industrial Chemical Co., New York.
Alba-Lux Gloss Mill White Coating. Pittsburgh Plate Glass Co., Paint & Varnish Division, Milwaukee, Wis.
Alba-Lux White Light Wall Covering. Patton Paint Co., Milwaukee.
Alba Sash Cords. Estes Mills, Fall River, Mass.
Albaline Lacquers, Paint Reducers. Egyptian Lacquer Co., New York
Albalite White Enamel. Palmer-Price Co., Newark, N. J.
Albalith Lithopone (Black Label, Blue Label, Green Label). The New Jersey Zinc Co., New York.
Albano Shoe Dressing. Albano Mfg. Co., Trenton, N. J.
Albany Concrete Mixers. Albany Hdwe. Specialty Mfg. Co., Albany, Wis.
Albany Drills. Albany Hardware Specialty Mfg. Co., Albany, Wis.
Albany Felts and Jackets. Albany Felt Co., Albany, N. Y.
Albany Grate Bars, Anchors and Smokeless Furnaces. Thacher Propeller and Foundry Corp., Albany, N. Y.
Albany Grease. Albany Lubricating Co., New York.
Albany Grease and Cylinder Oils. Adam Cook's Sons, New York.
Albany High Speed Tool Room Drill. Albany Hardware Specialty Mfg. Co., Albany, Wis.
Albany Lubricating Greases and Oils. Adam Cook's Sons, Inc., New York.
Albany Packing. Wm. L. McLellan, Norwalk, Conn.
Albany Paint & Varnish Remover. Albany Chemical Co., Albany, N. Y.
Albany Special Alloyed Die Steel. Ludlum Steel Co., New York.
Albany Steam Traps. Albany Steam Trap Co., Albany, N. Y.
Albany Tool Steel. Ludlum Steel Co., Watervliet, N. Y.
Albany Track Jacks. L. J. Kelly Mfg. Co., Albany, N. Y.
Albatross All Steel Furniture. Albatross Metal Furniture Co., Portland, Ore.
Albatross Belting and Hose. Crandall Packing Co., Palmyra, N. Y.
Albatross Leather Belting. Jos. C., Paulus & Co., Philadelphia, Pa.
Albemarle Bath Tubs. Sanitas Mfg. Co., Boston.
Albemarle Cotton Rope. Anniston Cordage Co., Anniston, Ala.
Alberene Stone Kitchen Sinks; Laundry Tubs; Urinals; Toilet and Shower Partitions; Stair Treads; Laboratory Tables, etc. Alberene Stone Co., New York.
Alberger Condensers and Centrifugal Pumps. Wheeler Condenser & Eng'g Co., Carteret, N. J.
Alberger-Curtis Steam Turbines. Wheeler Condenser & Eng'g Co., Carteret, N. J.
Alberger Feed Water Heaters. Alberger Heater Co., Buffalo, N. Y.
Albert Battery Motors. Ohio Electric & Controller Co., Cleveland.
Albert Pumps. The Lucas Pump & Tool Co., Dayton, O.
Alberton Numbered Duck. Cliver-Wright-Rainey Co., Cincinnati, O.
Albex Safety Glasses. Niagara Optical Co., Buffalo, N. Y.
Albion Bread Racks. Union Steel Products Co., Ltd., Albion, Mich.
Albion Disc Harrows. Gap Mfg. Co., Albion, Mich.
Albion High Speed Steel. Hobson, Houghton & Co., Ltd., New York.
Albion Special High Speed Steel. Hobson, Houghton & Co., Ltd., New York.
Albion Spring Tooth Harrows. Gales Mfg. Co., Albion, Mich.
Albo Shoe Blacking and Polishes. Whittemore Bros. Corp., Cambridge, Mass.
Albree Riveters. The Watson-Stillman Co., New York.
Al-Brento Anti-clouding Material. Wm. G. Albrecht, Baltimore, Md.
Albright Closet Seats and Plumbers Wood Work. Albright Mfg. Co., Rural Hall, N. C.
Albright Harness Hooks, Mane Combs. Rubber & Celluloid Products Co., Newark, N. J.
Albro Worm Gears. Albro-Clem Elevator Co., Philadelphia.
Alca Lime. Woodville Lime Products Co., Toledo, O.
Alcaid (Texaco) Lubricating Oil. The Texas Company, New York.
Alcasco Automobile Specialties. Aluminum Casting Co., Los Angeles.
Alcatraz Paints, etc. Alcatraz Co., Richmond, Va.
Alco Acetylene Burners. American Lava Co., Chattanooga, Tenn.
Alco Loose Leaf Line. G. J. Aigner & Co., Chicago.
Alco Radiant Lamp. Williams, Brown & Earle, Inc., Philadelphia, Pa.
Alco Reverse Gears; Flexible Staybolts. American Locomotive Co., New York.
Alcoform Fumigator. West Disinfecting Co., New York.
Alcotan Manufactured Leather. Armstrong Leather Co., Jersey City, N. J.
Alcove Lavatories. Crane Co., Chicago.
Alden Ring Packing. The Henry Johnson Co., Inc., Jersey City, N. J.
Alderman Adjustable Wrenches. Frank Mossberg Co., Attleboro, Mass.
Alderney Butter Colors. Heller & Merz Co., New York.
Aldine Lawn Mowers. Chadborn & Coldwell Mfg. Co., Newburgh, N. Y.
Aldocator Illuminated Track Circuit Indicator. Aldobilt Co., Chicago.
Aldofasher Light Flashing Relay. Aldobilt Co., Chicago.
Aldolite Electric Signal Lantern. Aldobilt Co., Chicago.
Aldon Car Replacers, Rail Benders, Replacing Frogs, Hack Rail Saws, Portable Rail Saws. Aldon Co., Chicago.
Aldoseal Cable Seal Hand. Aldobilt Co., Chicago.
Aldrich Electric Pumps. Allentown Rolling Mills, Allentown, Pa. Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Aldrich Pressure Pumps and Accumulators. The Aldrich Pump Co., Allentown, Pa.
Aldrich Tinware. Aldrich Mfg. Co., Buffalo, N. Y.
Alemite Automobile Lubricators. Bassick Mfg. Co., Chicago,
Alemite High Pressure Lubricating System. Bassick Mfg. Co., Chicago.
Alenco Rubber Cement, Wire Belt Lace, Leather Belting, Water Hose, Spiral Rod Packing, Fire Extinguisher. W. D. Allen Mfg. Co., Chicago.
Aleph (Texaco) Lubricating Oil. The Texas Company, New York.
Alert Autowater Pump. The Goulds Mfg. Co., Seneca Falls, N. Y.
Alert Chuck Arbors, Mandrels, Boring and Knurling Tools and Tap Wrenches. Alert Tool Co., Philadelphia.
Alert Fire Extinguishers. Am. La France Fire Engine Co., Elmira, N. Y.
Alert Pumps. Lucas-Miner Pump Co., Dayton, O.
Alert Safety Valves. Lunkenheimer Co., Beekman & Waverly, Cincinnati.
Alert Watchman's Portable Clocks. Hardinge Bros., Inc., Chicago.
Alethetone Phonographs. Stevens Organ & Piano Co., Marietta, O.
Alexalite Indirect Lighting Fixtures. Alexalite Co., New York.
Alexall Insulating Tape. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Alexander Car Replacers. Alexander Car Replacer Mfg. Co., Scranton, Pa.
Alexander Gauge Cocks. Marion Mach. Fdy. & Sup. Co., Marion, Ind.
Alexander Leather Belting. Alexander Bros., Inc., Philadelphia, Pa.
Alexander Lights. Alexander Milburn Co., Baltimore, Md.
Alexander Mellow-Grip Belt Dressing. Alexander Brothers, Inc., Philadelphia, Pa.
Alexander Waterproofing Leather Belting. Alexander Brothers, Inc., Philadelphia, Pa.
Alexander's Superheated Steam Insect Exterminator. Pacific Coast Insect Exterminator Co., San Francisco.
Alfalfa Belting. Burrell Belting Co., Chicago.
Alford Hand Vises. Millers Falls Co., Millers Falls, Mass.
Alfresco Exterior White Cold Water Paint. The Reardon Co., St. Louis, Mo.
Algerite Boiler Tubes. Tyler Tube & Boiler Co., Washington, Pa. Spencer Oits Co., Chicago.
Algo Plumbers Force Cups. Auburn Leather Goods Co., Auburn, N. Y.
Algol (Texaco) Lubricating Oil. The Texas Company, New York.
Algoma Bench Grinders. Algoma Foundry & Mach. Co., Algoma, Wis.
Algonkin Cover Paper. Hampden Glazed Paper & Card Co., Holyoke, Mass.
Alice Pig Iron. Tennessee Coal, Iron & Railroad Co., Birmingham, Ala. Youngstown Sheet & Tube Co., Youngstown, O.
Alipha Rubber Tubing. Parker-Stearns & Co., Brooklyn, N. Y.
Alite Stair Nosing. Zenite Metal Co., Indianapolis.
Alkacone Waterproof Powder and Stucco. Zibell Damp-Resisting Paint Co., New York.
Alkali Proof Wall Size Brick Paints. Glidden Co., Cleveland.
Alkins Forged Steel Rail Braces. Pettibone Mulliken Co., Chicago.
Alko Freeze-Proof. Zibell Damp-Resisting Paint Co., New York.
All-American Radio Parts. Rauland Mfg. Co., Inc., Chicago.
Allan Arc Welders. Allan Mfg. & Welding Co., Inc., Buffalo, N. Y.
Allatonce Commutator Soldering Machines. P. E. Chapman Electrical Works, St. Louis, Mo.
All Angle Scrubbing Brushes. Milford Mfg. Co., Mansfield, O.
All Geared Drills. Barnes Drill Co., Rockford, Ill.
All Hammer Sharpeners. Sullivan Machinery Co., Chicago.
All Pennsylvania Petroleum Products. Evansville Oil Grease Co., Inc., Evansville, Ind.
All Purpose Traction Engines. Advance-Rumely Co., La Porte, Ind.
All Purpose Woodworker Wood Working Machine. Am. Sawmill Machy. Co., Hackettstown, N. J.
All Work Tractors. Electric Wheel Co., Quincy, Ill.
Alladin Metal Polish. Hearsey, Willis Co., Indianapolis, Ind.
Alladdin Stoves. Burdett Smith & Co., Troy, N. Y.
Allan Babbitt Metal, Bearings, Engine Pistons. A. Allan & Son, Harrison, N. J.
Allbestos Asbestos Material. Allbestos Corp., Philadelphia.
Allegan Wheel Road Scrapers. The Lansing Company, Lansing, Mich.
Allegheny Corrugated Iron. Allegheny Steel Co., Pittsburgh.
Allegheny Packing. Anchor Packing Co., Philadelphia.
Allen Air Hardening & High Speed Steel. Edgar Allen & Co., Chicago.
Allen-Bradley Crane Controllers, Motor Starters, Switches. Allen-Bradley Co., Milwaukee, Wis.
Allen Automobiles. Allen Motor Co., Fostoria, O.
Allen Box Type Box Wrenches. Allen Wrench & Tool Co., Providence.

Allen-Bradley Electrical Crane Controlling Apparatus. Allen-Bradley Co., Milwaukee, Wis.
Allen Cap and Set Screws. Allen Mfg. Co., Hartford, Conn.
Allen Clamps; Spray Nozzles. W. D. Allen Mfg. Co., Chicago.
Allen Commutator Dressing; Sodering Sets; Sodering Stick, Paste, Salts, Liquid, Oil. L. B. Allen Co., Inc., Chicago.
Allen Connecting Rod Aligning and Straightening Fixture; Socket Wrenches. Allen Wrench & Tool Co., Providence, R. I.
Allen Dense Air Ice Machine. Kraemer, Henry G., Allendale, N. J.
Allen Drill Machines. Chas. G. Allen Co., Barre, Mass.
Allen Hose Clamps. W. D. Allen Mfg. Co., Chicago.
Allen Lock Nuts & Washers. National Steel Products Co., Cleveland.
Allen Machinists' Rules. Lufkin Rule Co., Saginaw, Mich.
Allen Motor Cars. The Allen Motor Co., Fostoria, O.
Allen Presto Soder. L. B. Allen Co., Inc., Chicago.
Allen Radiator Covers. The Allen Auto Specialty Co., New York.
Allen-Randall Bolt Clippers. H. K. Porter, Everett, Mass.
Allen Reverting Machines. John F. Allen, New York City.
Allen Richardson Valves. H. G. Hammett, Troy, N. Y.
Allen Safety Set Screws. Allen Mfg. Co., Hartford, Conn.; Republic Tool & Mfg. Co., Cleveland.
Allen Sand Cones, Slime Cones. The Allen Cone Co., El Paso, Tex.
Allen Spray Nozzles. W. D. Allen Mfg. Co., Chicago.
Allen Steam & Hot Water Heaters. Wm. Allen & Sons Co., Worcester, Mass.
Allen Thermo Soder Furnace. L. B. Allen Co., Inc., Chicago.
Allen Tire Case. The Allen Auto Specialty Co., New York.
Allen Tire Covers & Tire Pressure Gauges. Allen Auto Specialty Co., New York.
Allen Universal Socket Wrenches. Allen Wrench & Tool Co., Providence, R. I.
Allen Wrenches. Allen Wrench & Tool Co., Providence, R. I.
Allen's Galvanized Steel Hose Clamp. W. D. Allen Mfg. Co., Chicago.
Allen's Imperial High Speed Steel. Edgar Allen & Co., Chicago.
Allen's Imperial Special High Speed Steel, Air Hardening High Speed Steel, Imperial Cast Steel, Class "P" Double Refined Cast Steel, Class "E" Extra Refined Cast Steel, Class "C" Best Cast Steel, Stag Brand Cast Steel, Stag Brand Hollow Mining Drill Steel, Stag Manganese Steel. Edgar Allen & Co., Ltd., Chicago.
Allen's "K. G." Vanadium Steel. Edgar Allen & Co., Ltd., Chicago.
Allen's Metal Polish. Western Robe Mills, Chicago.
Allerton's Commutator Compounds. Warren Lubricant Co., Buffalo, N. Y.
Allentown Cement. Allentown Portland Cement Co., Allentown, Pa.
Allfree Steam Engines. Ironton Engine Co., Ironton, O.
Alliance Couplers. American Steel Foundries, Chicago.
Alliance Cranes. The Alliance Machine Co., Alliance, O.
Alliance Ruff Brick. Alliance Brick Co., Alliance, O.
Alliance Trench Braces. Duff Mfg. Co., Pittsburgh, Pa.
Alligator Belt Lacing. Flexible Steel Lacing Co., Chicago.
Alligator Brand Oiled Waterproof Slicker Clothing. Alligator Clothing Co., St. Louis, Mo.
Alligator Check Protectors. S. I. Atwater, New York.
Alligator Heavy Shears. A. Garrison Foundry Co., Pittsburgh.
Alligator Mechanics' Aprons. Alligator Clothing Co., St. Louis.
Alligator Sheet Packing. The Henry Johnson Co., Inc., Jersey City, N. J.
Alligator Steel Belt Lacing. Flexible Steel Lacing Co., Chicago.
Alligator Test Connectors. Fairmount Electric & Mfg. Co., Phila., Pa.
Alligator Waterproof Belting. Missouri Belting Co., St. Louis.
Alligator Waterproof Leather Belting. Missouri Belting Co., St. Louis, Mo.
Alligator Wire Connectors. Fairmont Electric & Mfg. Co., Philadelphia.
Alligator Wrenches. John A. Roebling's Sons Co., Trenton, N. J.
All-In-One Door Check & Spring. Bayer Gardner-Himes Co. New York.
All-In-One Force Cups. Quaker City Rubber Co., Philadelphia, Pa.
All-in-One Ground Clamps. Fairmount Elec. & Mfg. Co., Phila., Pa.
All-In-One Lathes. J. J. McCabe Lathe & Machy. Corp. New York.
All-In-One Steel Letters & Figures. Marburg Bros., New York.
Alling-Landers Glass. Alling-Landers Co., Inc., Sodus, N. Y.
Allis-Chalmers Crushing and Cement, Electrical, Flour Mill, Saw Mill and Mining Machinery, Engines, Turbines, Waterwheels, Pumps, Farm Tractors, etc. Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Allison Patented Stockless Anchors. Allison & Co., Chester, Pa.
Allison Pipe Joints. National Tube Co., Pittsburgh, Pa.
Allith Approved Fire-Door Hardware. Allith-Prouty Co., Danville, Ill.
Allith Door Hangers, Fire Door Fittings, Latches, Carriers and Auto Fire Locks. Allith-Prouty Co., Danville, Ill.
All Metal Screens. Higgins Mfg. Co., Newport, Ky.
All Metal Weather Strips. Higgins Mfg. Co., Newport, Ky.
All-Nite-Lite Socket Transformers. General Electric Co., Schenectady, N. Y.
Alloyanium Pistons. Harry A. Miller Mfg. Co., Los Angeles.
Allright Boilers. Wm. H. Page Boiler Co., New York.
Allright Closet Seats and Bath Room Fixtures. The Allright Mfg. Co., Greensboro, N. C.
Allrite Pumps. The Lucas Pump & Tool Co., Dayton, O.
All-Service Belt. Gustin-Bacon Mfg. Co., Kansas City, Mo.
Allsteel Car Equipment. American Motor Body Co., Philadelphia, Pa.
All-Steel-Equip Factory and Office Equipment, Cut-Out Boxes, and Electrical Supplies. All-Steel Equip Company, Aurora, Ill.
All Steel Flexible Car Roofs. Standard Railway Equipment Co., Chicago.
All-Steel Garages and Portable Buildings. Edwards Mfg. Co., Cincinnati, O.
All-Steel Metallic Bank Fixtures. General Fireproofing Co., Youngstown, O.
All-Steel Mitre Boxes. Goodell-Pratt Co., Greenfield, Mass.
All Steel Radical Flexible Car Roofs. Standard Railway Equip. Co., Chicago.
All-Steel Roller Tube Expanders. Lovejoy Tool Works, Chicago.
All-Steel Stands. Pettibone-Mulliken Co., Chicago.
Allsteel Steel Furniture and Filing Devices. The General Fireproofing Co., Youngstown, O.
Allston Reverse Trap With Jet Water Closets. Central Metal & Supply Co., Baltimore, Md.
All-Way Can Spouts. Tamasco Distributing Co., Buffalo, N. Y.
Allweather Non-freezing Fire Extinguisher. Foamite-Childs Corp., Utica, N. Y.
All Wire Bail Bonds. Ohio Brass Co., Mansfield, O.
AllWon Buffer Sets. U. S. Specialty Co., Middletown, Conn.
Allwon Two-Color-in-One Piece Glass. Strauss & Buegeleisen, Brooklyn, N. Y.
Allwork Tractors. Electric Wheel Company, Quincy, Ill.
Almaco Alloy Motor Pistons and Connecting Rods. Aluminum Mfg. Co., Des Moines, Ia.
Almetal Clothes Washing Machines. Almetal Mfg. Co., St. Louis.
Almett Fire Doors and Shutters. Merchant & Evans Co., Phila., Pa.
Almo Oils and Greases. Vacuum Oil Co., Rochester, N. Y.
Almond Countershafts, Drill Chucks, Flexible Metallic Tubing. T. R. Almond Mfg. Co., Ashburnham, Mass.
Almond Drill Chucks, Flexible Metallic Tubing, Countershafts. T. R. Almond Mfg. Co., Ashburnham Mass.
Almond Drill and Lathe Chucks; Flexible Arms. T. R. Almond Mfg. Co., Ashburnham, Mass.
Almond Flexo Household Lamps, Desk Lights. T. R. Almond Mfg. Co., Ashburnham, Mass.
Almy Boilers. Almy Water Tube Boiler Co., Providence, R. I.
Aloe Transite and Levels. A. S. Aloe Co., St. Louis, Mo.
Alol Carriage Top Dressing. Viscol Co., Cambridge, Mass.
Alol Liquid Waterproofing. Viscol Co., East Cambridge, Mass.
Alomo Cotton Planting Drills. Racine-Sattley Co., Springfield, Ill.
Aloxite Grains; Grinding Wheels. Carborundum Co., Niagara Falls, N. Y.
Alpena Cement. Alpena Portland Cement Co., Alpena, Mich.
Alpena Rawhide Packing. Strong Machinery & Supply Co., New York.
Alpha Automobile Specialties, Rubber Specialties. Parker-Stearns & Co., Brooklyn, N. Y.
Alpha Babbitt Metal. More-Jones Brass & Metal Co., St. Louis.
Alpha Cement. Alpha Portland Cement Co., Easton, Pa.
Alpha Chenille Rugs. Jos. Wild & Co., New York.
Alpha Colored Cotton Waste. Massasoit Mfg. Co., Fall River, Mass.
Alpha Conductors' Whistles. Riley-Klotz Mfg. Co., Newark, N. J.
Alpha Cotton Mops. Estes Mills, Fall River, Mass.
Alpha Cutting Lubricants. Swan & Finch Co., New York.
Alpha Force Feed Lubricators, Hand Pumps, Oil Pump Lubricators. Lunkenheimer Co., Beekman & Waverly, Cincinnati.
Alpha Leather Belting and Waterproof Cement. Ulmer Leather Co., Norwich, Conn.
Alpha Lubricating Oil. Adam Cook's Sons, Inc., New York.
Alpha Oil Pumps. The Lunkenheimer Co., Cincinnati, O.
Alpha Padlocks. E. T. Fraim Lock Co., Lancaster, Pa.
Alpha Photographic Paper. G. Cramer Dry Plate Co., St. Louis.
Alpha Rubber Goods. Parker, Stearns & Co., Brooklyn, N. Y.
Alpha Testing Machines. Herman A. Holz, New York.
Alphabraid Flexible Conduit. The Alphaduct Co., Jersey City, N. J.
Alphaduct Flexible Conduit. The Alphaduct Co., Jersey City, N. J.
Alphatube Flexible Conduit. The Alphaduct Co., Jersey City, N. J.
Alpina Siphon Revolving Ventilators. Milwaukee Corrugating Co., Milwaukee.
Alpina Ventilators. Milwaukee Corrugating Co., Milwaukee, Wis.
Alpine Electric Sad Irons. H. J. Alperin Co., Cleveland.
Alpine Enamel. Tropical Paint & Oil Co., Cleveland, O.
Alpine Feed Cutters. Jos. Dick Mfg. Co., Canton, O.
Alpine Sun Ultra Violet Lamp. Hanovia Chemical & Mfg. Co. Newark, N. J.
Alpine Toilet Tissue. National Paper Products Co., San Francisco.
Alpine Tooth Picks. E. B. Estes & Sons, New York.
Alpine Wax Oil Furniture Polish and Dust Absorbing Floor Oils, Etc. Samuel Lewis, New York.
Alpine Wax Oil Polish; Floor Polishing Mops; Floor Oilers; Weighted Polishing Brushes. Alpine Wax Oil Polish Co., New York.
Al-Rite Laundry Marking Pins, Pin Trays and Cabinets. The Keyes-Davis Company, Inc., Battle Creek, Mich.
Alset Carburetors. A. H. W. Carburetor Co., Newark, N. J.
Al Sio Fire Brick and Cement. Chas. V. Hoffman Co., Inc., New York.
Alsop Electrifier Flour Bleaching Machines. Alsop Process Co., St. Louis, Mo.
Alsteel Dor Corrugated Asbestos Lined Sliding & Swinging Fire Doors. St. Louis Fire Door Co., St. Louis, Mo.
Alsteel Nail Hammers, Bottom Pin Extractors, Picks and Tool Kits. Boker Cutlery & Hardware Co., New York.
Alsteel Tire Saving Automobile Jacks and Waste Baling Presses. Alsteel Mfg. Co., Battle Creek, Mich.
Alston Hack Saw Blades. Alston Saw & Steel Wks., Folcroft, Pa.
Alston's Seamless Drawing Tubing. American Tube Works, Boston.
Alston's Spring Handle Currycombs. Weber & Kirch Mfg. Co., Keokuk, Iowa.
Altair (Texaco) Lubricating Oils. The Texas Company, Dept. HR, New York.
Alta and Alta-Co Disinfectant. C. B. Dolge Co., Westport, Conn.
Alta-Pine Disinfectant. C. B. Dolge Co., Westport, Conn.
Alta Shock Absorbers. Alta Co., San Francisco, Cal.
Alta-Special Disinfectant. C. B. Dolge Co., Westport, Conn.
Altaria Drinking Fountains. Crane Co., Chicago.
Alteneder Drafting Instruments. Theo. Alteneder & Sons, Phila., Pa.
Alternarc Welding and Cutting Apparatus. Electric Arc Cutting & Welding Co., Newark, N. J.
Altick Telephone Cabinet Work. C. H. Brownell, Peru, Ind.
Altman Weighted Desk Push Buttons. Minerallac Electric Co., Chicago.
Alukali Metal Reflectors. Safety Car Htg. & Ltg. Co., New York.
Aluma Fire Brick. Seaboard Refractories Co., Perth Amboy, N. J.
Alumaloy Bearing Metals. Premium Metal & Packing Co., Inc., Wilkinsburg, Pa.
Alumalun—Safety treads for car steps, stairs, etc. American Abrasive Metals Co., New York.
Alumi-Flux Aluminum Soder Flux. L. B. Allen Co., Inc., Chicago.
Alumina Soapalite Cleaning Compound. The Cowles Detergent Co., Lockport, N. Y.
Alumina-Soapalite Soap Powders. Electric Smelting & Aluminum Co., Lockport, N. Y.
Aluminit Pistons. Green Engineering Co., Dayton, O.
Aluminite Firebrick. Stowe-Fuller Co., Cleveland, O.
Aluminite Fire Clay Refractories. Parker-Russell Mining & Mfg. Co., St. Louis, Mo.
Aluminite Roofing Material. H. H. Hopkins Co., Chicago.
Alumino and Electric Oil Stoves and Heaters. Novelty Mfg. Co., Jackson, Mich.
Aluminoid Grinding Wheels. General Grinding Wheel Corp., Philadelphia, Pa.
Alumino Oil Heaters. The Jackson Stove & Stamping Co., Jackson, Mich.
Aluminum Babbitt Metal. Syracuse Smelting Works, Brooklyn, N. Y.
Aluminum Clock Mfrs. Aluminum Container Corp., Fulton, N. Y.
Aluminum Paint. Berry Bros., Detroit, Mich.
Alumi-Soder Aluminum Soder. L. B. Allen Co., Inc., Chicago.
Alumi-Weld Aluminum Welding Flux. L. B. Allen Co., Inc., Chicago.
Alum Merck. Merck & Co., New York.
Alundum Grinding Wheels, Safety Tile and Refractories. Norton Company, Worcester, Mass.
Alvo Drills and Reamers. Alvord Reamer & Tool Co., Millersburg, Pa.
Alvord Shears and Scissors. Atlas Shear Co., Bridgeport, Conn.
Always Ready Pipe Wrenches. Bonney Forge & Tool Works, Allentown, Pa.

Always Ready Wrench. J. H. Williams & Co., Buffalo, N. Y.
Always Ready Wrenches, Rules. Forsyth Metal Goods Co., East Aurora, N. Y.
Always Reliable Blow Torches and Furnaces. Otto Bernz Co., Newark, N. J.
Always-Tight Blow-Off Valves. The Eynon-Evans Mfg. Co., Phila., Pa.
Alwite Casting Metal. Silvel Metal Mfg. Co., Inc., New York.
Alwood Reamers. Alwood Reamer Co., Millersburgh, Pa.
Alworth Drawing Tables. G. A. Alworth, New Haven, Conn.
Amac Carbureters. Aston Motor Accessories Co., Ltd., Birmingham, Eng.
Amaguite Chemical Platinum Extracting Compound. Platinum Metal Co., Philadelphia, Pa.
Amalco Paints. Amalgamated Paint Co., North River, N. Y.
Amalgabronze Metal Castings and Forgings. Ralph E. Rich, Chicago.
Amalgalloy Alloy. R. E. Rich, Chicago.
Amalgamated Bearing Metal. Amalgamated Metals Co., Chicago.
Amalgum Leather Belting. Chas. L. Ireson, Inc., Boston, Mass.
Amalgamated Lead Lined and Tin Lined Iron Pipe. Lead Lined Iron Pipe Co., Wakefield, Mass.
Amalgamated Paints. Amalgamated Paint Co., New York.
Amalie Belt Dressing, Grease, Oils, Soaps, Polish, Paints, and Wood Preservative. L. Sonneborn Sons, Inc., New York.
Amalie Shaftol. L. Sonneborn Sons, Inc., New York.
Amana Tires, Batteries & Radio. Amana Society, Amana, Iowa.
Amanco Concrete Mixers, Clothes Washing Machines, Corn and Cob Mills, Gasoline Engines, Pumping Jacks. Associated Mfrs., Waterloo, Iowa.
Amazon Belting, Hose and Packing. Empire Tire & Rubber Corp., Trenton, N. J.
Amazon Carbide (Export Brand). Union Carbide Sales Co., New York.
Amazon Corrugated Nursery Hose. Hercules Rubber & Sup. Co., San Francisco, Calif.
Amazon Cotton Hose. Mechanical Rubber Co., Cleveland, O.
Amazon Fire Hose. O. C. Keckley Co., Chicago.
Amazon Tape. Western Electric Co., New York.
Amazon Tires. The Amazon Tire & Rubber Co., Akron, O.
Amazon "U. S." Belting, Packing, Hose. United States Rubber Co., New York.
Ambco Bronze Metal Bearings. American Manganese Bronze Co., Philadelphia.
Amber Battery Book. Electric Trouble Shooter, Chicago.
Amber Incandescent Gas Mantles. Welsbach Co., Glouchester City, N. J.
Amber Pyralin Toilet Articles. E. I. du Pont de Nemours & Co., Inc., Pyralin Dept., Arlington, N. J.
Amberite-Sheet Packing. Keasbey & Mattison Co., Ambler, Pa.
Amberole Polish and Cleaner. Elmer E. Conrad, Newton, Kan.
Amberzo Vegetable Oil Soap. Columbia Refining Co., New York.
Ambesco Brake Lining and Packing. American Asbestos Co., Norristown, Pa.
Ambest Metallic Packing. Eureka Packing Co., New York.
Ambler Asbestos Shingle & Slates. Asbestos Shingle Slate & Sheathing Co., Ambler, Pa.
Ambler Band Saw Blades. Ambler Saw Mfg. Co., Natick, Mass.
Ambo Milk Bottle Caps. American Bottle Cap Co., Seattle, Wash.
Ambrac Metal. American Brass Co., Waterbury, Conn.
Amco and Century Adding & Calculating Machines. Accounting Machine Co., Inc., New York.
Amco Coal and Ash Conveyors. Alvey Mfg. Co., St. Louis, Mo.
Amco Type Continuous Muffle Lehrs. Amsler-Morton Co., Pittsburgh, Pa.
Amcoin Brass Cuspidors. Aldrich Mfg. Co., Buffalo, N. Y.
Amelectric Wires and Cables. American Electrical Wks., Phillipsdale, R. I.
Amel-Ite Enamels. Adams & Elting Co., Chicago.
Ament's Iron Glue. H. B. Ament Glue Co., Louisville, Ky.
America Alarm Clocks. Western Clock Co., La Salle, Ill.
America Bicycles and Velocipedes. Great Western Mfg. Co., La Porte, Ind.
America Electric Cleaner. The Wise-McClung Mfg. Co., New Philadelphia, O.
America Ensilage Cutters. Wilder-Strong Implement Co., Monroe, Mich.
America Sugar Cane Mills. C. S. Bell Co., Hillsboro, O.
America Telephone Switchboards. American Electric Co., Chicago.
America Water Closet Tanks. Blairville Enameled Ware Co., Blairsville, Pa.
America Vacuum Cleaners. J. L. Lund Mfg. Co., New York.
American Ace Pocket Knives. N. J. Cutlery Co., Newark, N. J.
American Acid Hose. American Metal Hose Co., Waterbury, Conn.
American Air Compressors. American Air Compressor Co., New York.
American Air Valves. Pierce, Butler & Pierce Mfg. Co., New York.
American Akron Tires. The American Rubber & Tire Co., Akron, O.
American All Steel, Self-Oiling Dust-Proof Truck. St. Louis Truck & Mfg. Co., St. Louis, Mo.
American Arc Gasoline Lamps. White Mfg. Co., New York.
American Arklite Gasoline Circus Lamp. Am. Gas Mach. Co., Inc., New York.
American Asphalt Crushers. Am. Pulverizer Co., St. Louis, Mo.
American Auto Axles. The American Ball Bearing Co., Cleveland, O.
American Automatic Oil Filters. Spaulding & Metcalf, Philadelphia.
American Auto Towing Cables, Bale Ties, Barbed Wire, Hexagon Poultry Netting, Lawn Fencing, Rail Bonds, Steel Fence Posts, Wire Hoops, Wire Nails, Wire Rope, Wire Springs, Wire Tacks, Woven Wire Fencing. American Steel & Wire Co., Chicago.
American Automatic Slack Adjuster. Amer. Brake Co., St. Louis, Mo.
American Automatic Surface Grinders. American Machine Tool Co., New York.
American Automatic Telephone System. Pettes & Randall Co., New York.
American Balance Locomotive and Piston Slide Valve. C. C. Young, Jersey Shore, Pa.
American Bale Ties. American Steel & Wire Co., Chicago.
American-Ball Angle Compound Engine. American Engine & Electrical Works, Bound Brook, N. J.
American Ball Bearing Casters. The American Caster Co., Hamilton, O.
American Bath Cocks and Traps. American Sanitary Mfg. Co., Abingdon, Ill.
American Beauty Electric Cooking Apparatus, Heating Devices, Electric Iron & Soldering Irons. American Electrical Heater Co., Detroit, Mich.
American Beauty Garden and Orchard Sprayers. Danforth Chemical Co., Leominster, Mass.
American Beauty Heating Appliances. Illinois Electrical Co., Chicago.
American Beauty Table Lamps. American Gas Mach. Co., New York.
American Beauty Wall Mills. Wrightsville Hardware Co., Wrightsville, Pa.
American Belt Dressing Boiler Compounds Asbestos Gaskets. Am. Steam Packing Co., Boston, Mass.
American Belting. Voorhees Rubber Mfg. Co., Jersey City, N. J.
American Berryman Feed Water Heater. The Whitlock Coil Pipe Co., Hartford, Conn.
American Bilge Pumps. American Cement Machine Co., Keokuk, Ia.
American Boiler Feed Pump. American Steam Pump Co., Chicago.
American Boilers. John Tragreser Steam Copper Works, New York.
American Bond Automatic Scales. Am. Machy. Co., Philadelphia.
American Boots and Shoes. U. S. Rubber Co., New York.
American Bosch Gas and Gasoline Engine Igniters. American Bosch & Fire Supply Co., Kansas City, Kans.
American Bow Separators. Chas. Weiss & Son, Chicago, Ill.
American Box Ball Alleys. Holcomb & Hoke Mfg. Co., Indianapolis, Ind.
American Brand Grinders. American Grinder Mfg. Co., Milwaukee, Wis.
American Brass Balls and Ball Thrust Bearings. American Ball Co., Providence, R. I.
American Brass Wheel Daters. R. A. Stewart & Co., New York.
American Bread Mixers. Roseland Can & Specialty Co., Rockford, Ill.
American Bread and Pastry Boards. Imperial Mfg. Co., Cambridge, O.
American Broaching Machine. American Broach & Machine Co., Ann Arbor, Mich.
American Bull Dog Acetylene Mine Lamps. Harker Mfg. Co., Cincinnati.
American Carbon Brushes, Dry Cells and Flashlight Batteries. American Carbon & Battery Wks., E. St. Louis, Ill.
American Carbon Paper. H. M. Storms Co., New York.
American Carpet Nails, Farm Gates, Wire Rope, Steel Fence Posts, Wire Hoops, Wire Springs. Am. Steel & Wire Co., Chicago.
American Carriage Top Dressing. Weiss Polish Works, Chicago.
American Case-Hardening Compound. American Compound Co., Boston, Mass.
American Cash Register. American Cash Register Co., Saginaw, Mich.
American Casters. P. A. Heller & Sons, Detroit, Mich.
American Cast Iron Pipes. American Cast Iron Pipe Co., Birmingham, Ala.
American Cast Steel Rolls. American Steel Foundries, Chicago
American Cement Tile Roofing. American Cement Tile Mfg. Co., Pittsburgh, Pa.
American Chain. American Chain Co., Inc., Bridgeport, Conn.
American Chain Fire Ladder. American Fire Apparatus Co., New York.
American Chip Crusher. American Crusher & Machy. Co., New York.
American Clay Machinery. American Clay Mchy. Co., Bucyrus, O.
American Closet Elbows and Legs. American Sanitary Mfg. Co., Abingdon, Ill.
American Clover Bunchers. American Buncher Mfg. Co., Indianapolis, Ind.
American Coated Nails, Foundry Nails, Etc. American Steel Co., Pittsburgh, Pa.
American Concrete Reinforcing Materials. American System of Reinforcing, Chicago, Ill.
American Conduits. American Sewer Pipe Co., Akron, O.
American Continuous Filters. United Filters Corp., New York.
American Contractors' Plow and Road Scrapers. American Steel Scraper Co., Sidney, O.
American Cordage and Manila Rope. St. Louis Cordage Mills, St. Louis, Mo.
American Cordage and Twine. American Mills Co., Atlanta, Ga.
American Corn Cob and Feed Grinding Mills. Appleton Mfg. Co., Batavia, Ill.
American Corn Planters. Sheffield Mfg. Co., Burr Oak, Mich.
American Corner Beads. Youngstown Pressed Steel Co., Warren, O.
American Counting Machine. F. B. Redington Co., Chicago.
American Cove Base and Wall Polishers. American Floor Surfacing Machine Co., Toledo, O.
American Cranes and Hoists. Barber-Foster Engr. Co., Cleveland, O.
American Crayons. American Crayon Co., Sandusky, O.
American Cream Separators. Amer. Separator Co., Bainbridge, N. Y.
American Currant and Raisin Cleaners, Cream and Milk Dispensers and Vegetable Parers. Am. Machinery Co., Dept. H, Philadel.
American Diamond Prospecting & Rock Drills. Wm. Hunter Machine Co., Hoboken, N. J.
American Direct and Tank Valves, Toilet Combination. **American Valve & Tank Co., Fairmont, W. Va.**
American Disc Meters. Buffalo Meter Co., Buffalo, N. Y.
American Dormant Scales. American Scale Co., Kansas City, Mo.
American Drafting Tables, Blue Print Filing Cabinets, Parallel Rulers or Automatic T-Squares, Drafting Room Equipment. American Drafting Furniture Co., Rochester, N. Y.
American Drag and Wheel Road Scrapers. American Steel Scraper Co., Sidney, O.
American Drill Grinders. LaSalle Machine and Tool Co. LaSalle, Ill.
American Drill Grinders and Attachments. Diamond Machine Co., Providence, R. I.
American Drop Forgings. American Forge & Mach. Co., Canton, O.
American Dry Earth Closets. American Warming & Ventilating Co., Elmira, N. Y.
American Electric Air Pumps. American Electric Air Pump Co., formerly A. M. Carron Mach. Co., Pittsburgh, Pa.
American Electric Heaters. Am. Electric Heater Co., Detroit, Mich.
American Electric Hoists. A. D. Granger Co., New York.
American Electric Vacuum Cleaners, Sweepers and Clothes Washing Machines. Wise McClung Mfg. Co., New Philadelphia, O.
American Electrolytic Rectifiers and Storage Batteries, Lighting Plants. American Battery Co., Chicago, Ill.
American Elevators. Am. Elevator & Machine Co., Louisville, Ky.
American Emery Wheel Dressers. William Williams, Jr., New Britain, Conn. Browne & Dowd Mfg. Co., Meriden, Conn.
American Feed Water Filter and Purifiers. American Water Softener Co., Philadelphia, Pa.
American File Sharpeners. Amer. File Sharpener Co., Brooklyn, N. Y.
American Files and Rasps. Nicholson File Co., Providence, R. I.
American Fire Bucket Tanks. A. C. Rowe & Son, New York.
American Fire Extinguishers. Western Inspection Co., Buffalo, N. Y.
American Fishing Tackle. American Fork & Hoe Co., Cleveland, O.
American Flag Genuine Metals, Babbitt, Spelters. American Smelting & Refining Co., Cincinnati, O.
American Flashlights and Batteries. National Carbon Co., Inc., Long Island City, N. Y.
American Flat and Round Leather Belting. Johnson Belting Co., New York.
American Flexible Metallic Hose and Tubing. American Metal Hose Co., Waterbury, Conn.

American Floor Thimbles. Am. Foundry & Mfg. Co., St. Louis, Mo.
American Flue Cutter; Counting Machines. F. B. Redington Co., Chicago.
American Flux Brazing Flux for Metals. American Alloys Co., Baltimore, Md.
American Fodder Cutters. Wilder-Strong Implement Co., Monroe, Mich.
American Folding Machines. Norwood Engineering Co., Florence, Mass.
American Food Choppers. American Cutlery Co., Chicago, Ill.
American Forge Furnaces. American Shop Equipment Co., Chicago.
American Fruit Evaporators. Edw. B. Fahrney, Waynesboro, Pa.
American Garden Harrows. Puffer-Hubbard Mfg. Co., Minn'p'lis, Minn.
American Gas Furnace. American Gas Furnace Co., New York.
American Gasoline and Oil Storage Systems and Pumps. The American Oil Pump & Tank Co., Cincinnati, O.
American Gasoline Stoves. American Gas Machine Co., Albert Lea, Minn.
American Gauges, Grease Cups and Lubricators. American Lubricator Co., Detroit, Mich.
American Giant Motor. General Platers Supply Co., New York.
American Grain Elevators. King & Hamilton Co., Ottawa, Ill.
American Grass Hooks. Knickerbocker Mfg. Co., Belleville, N. J.
American Gravity Coupling. D. R. Niedlander, St. Louis, Mo.
American Grease. O. F. Zurn Co., Philadelphia, Pa.
American Grease Cups and Lubricators. American Stamping Co., Battle Creek, Mich.
American Green Granite. Chas. Clements, Boston, Mass.
American Grinding Wheels (Corundum, Carbolite). American Emery Wheel Works, Providence, R. I.
American Gypsum Blocks. American Cement Plaster Co., Lawrence, Kans.
American Hammered Piston Rings. American Piston Ring Co., Newark, N. J
American Head Linings and Panels. Amer. Veneer Co., Hoboken, N. J.
American Heating Machines. American Gas Furnace Co., New York.
American Heavy Outside Molder. Wayne Mach., Ft. Wayne, Ind.
American High Speed Chain. Abell-Howe Co., Chicago.
American High Speed Silent Chain. American High Speed Chain Co., Indianapolis, Ind.
American-Hill Log Deck Machinery. American Saw Mill Machinery Co., New York.
American Hinges. Columbian Hardware Co., Cleveland, O.
American Hoisting Engines, Derricks, Locomotive Cranes, Railroad Ditchers, Log Loader, Wire Rope, Blocks and Sheaves. American Hoist & Derrick Co., St. Paul, Minn.
American Horse Nails. Ausable Horse Nail Co., Keeseville, N. Y.
American Hose. American Metal Hose Co., Waterbury, Conn.
American Hospital Stretchers. James H. Channon Mfg. Co., Chicago.
American Hot Air Clothes Dryers. Domestic Laundry Equipment Corp., New York.
American Hydrants. H. F. Neumeyer & Sons, Macungie, Pa.
American Ideal Steam Trap. American Schaeffer and Budenberg Corp., Brooklyn, N. Y.
American Ignition Wires. American Steel & Wire Co., Chicago.
American Improved Air Compressors. Amer. Steam Pump Co., Chicago.
American Incandescent Electric Lamps. American Lamp Works of G. E. Co., Central Falls, R. I.
American Incandescent Gas Mantles. American Gas Machine Co., New York.
American Ingot Iron. American Rolling Mill Co., Middletown, O.
American Ingot Iron Plates. Alleghany Steel Co., Pittsburgh, Pa.
American Injectors and Ejectors. American Injector Co., Detroit, Mich.
American Insulated Wire and Wire Cables. American Insulated Wire & Cable Co., Chicago.
American Jr. Air Valves. Pierce, Butler & Pierce Mfg. Co., New York.
American King Hammer Handles. Am. Handle Co., Jonesboro, Ark.
American Kitchen Friend Kitchen Sets. Am. Cutlery Co., Chicago.
American La France Engines. American La France Fire Engine Co., Elmira, N. Y.
American Larson Ventilators. United States Metal Products Co., San Francisco.
American Lath Mills and Bolters, Log Hauls and Turners, Lumber Trimmers, Gang Saw Edgers and Saw Mill Dogs. American Saw Mill Machinery Co., Hackettstown, N. J.
American Lathes, Planers, Shapers and Radial Drills. American Tool Works Co., Cincinnati, O.
American Lawn Dryers. A. E. Olmstead, Orwell, N. Y.
American Lawn Mowers. American Lawn Mower Co., Muncie, Ind.
American Leather Link Belting Mfrs. Chas. A. Schieren & Co., New York.
American Levels. Edward Helb, Railroad, Pa.
American Liberty Grinders. American Grinder Mfg. Co., Milwaukee, Wis.
American Limestone. Tompkins Kiel Marble Co., New York.
American Linseed Oil and Cake. American Linseed Co., New York.
American Liquid Polish. Harvey Chemical Co., Lafayette, Ind.
American Lock Washers. American Nut & Bolt Fastener Co., Pittsburgh.
American Logging Tools. American Logging Tool Co., Evart, Mich.
American Log Hauls. American Sawmill Machinery Co., New York.
American Loose Pulley Oilers. American Lubricator Co., Detroit, Mich.
American Lubricating Oils and Greases. Wm. P. Miller Co., Chicago.
American Lunch Boxes. Reading Saddle & Mfg. Co., Reading, Pa.
American Lye. Pennsylvania Salt Mfg. Co., Philadelphia, Pa.
American Magnet Wire. American Enameled Magnet Wire Co., Muskegon, Mich.
American Maid Brooms. Gardner Broom Co., Amsterdam, N. Y.
American Manila Rope. St. Louis Cordage Mills, St. Louis, Mo.
American Marine Auxiliaries. American Engineering Co., Philadelphia, Pa.
American-Marsh Centrifugal Pumps & Air Compressors. American Steam Pump Co., Battle Creek, Mich.
American-Marsh Pumps and Boiler Feeders. American Steam Pump Co., Chicago.
American Meat Slicers. Am. Slicing Machine Co., Chicago, Ill.
American Metal Hose. The Amer. Metal Hose Co., Waterbury. Conn.
American Metal Packings. Amer. Metallic Packing Co., Pittsburgh, Pa.
American Metal Working Machinery. American Tool Works Co., Cincinnati, O.
American Meters. Buffalo Meter Co., Buffalo, N. Y.
American (Midget) Marvel Flour Mill. Anglo-Amer. Mill Co., Owensboro, Ky.
American Milling Machine Vises. S. P. Mfg. Co., Cleveland. O.
American Milling Machines. Am. Milling Mach. Co., Cincinnati, O.
American Motor Trucks. American Motor Truck & Tractor Co., Portland, Conn.
American Nickel. American Nickel Corp., Clearfield, Pa.
American Oil Cabinets and Gasoline Filters. American Oil Pump & Tank Co., Cincinnati, O.
American Oil Filters. Burt Mfg. Co., Akron, O.
American Oils and Greases. O. F. Turn Co., Philadelphia, Pa. American Oil Co., Jackson, Mich.
American Oil Transformers. American Transformer Co., Newark, N. J.
American Packing. La Favorite Rubber Mfg. Co., Hawthorne, N. J.
American Paper Doilies. American Lace Paper Co., Milwaukee, Wis.
American Paper Folding Machines. American Folding Machine Co., Warren, O.; Norwood Engineering Co., Florence, Mass.
American Perforators. American Perforator Co., Chicago, Ill.
American Plaster Boards. Am. Cement Plaster Co., Buffalo, N. Y.
American Pneumatic Signal. American Safety Lamp & Mine Supply Co., Scranton, Pa.
American Pneumatic Yoke Riveters. Hanna Engrg. Wks., Chicago, Ill.
American Portable Grain Elevators. King & Hamilton Co., Ottawa, Ill.
American Power Hammers. Alliance Machine Co., Alliance, O.
American Pumping and Well Drilling Machines. American Well Works, Aurora, Ill.
American Pumping Machinery. American Steam Pump Co., Battle Creek, Mich.
American Pumps. American Steam Pump Co., Chicago.
American Queen Carpet Sweepers. Bissell Carpet Sweeper Co., Grand Rapids, Mich.
American Radial Drilling Machines. The American Tool Works Co., Cincinnati, O.
American Radiators. American Radiator Co., Chicago.
American Rail Loaders. United Supply & Mfg. Co., Chicago.
American Railroad Paper. Wm. Mann Co., Philadelphia, Pa.
American Reinforcing Materials. American System of Reinforcing, Chicago.
American Roll Gold Leaf. Amer. Roll Gold Leaf Co., Providence, R. I.
American Roller Bearings. Amer. Roller Bearing Co., Pittsburgh, Pa.
American Rope. American Mfg. Co., Brooklyn, N. Y.
American Rubber Belting. Webb Belting Co., Kansas City, Mo.
American Rubber Hose. Voorhees Rubber Mfg. Co., Jersey City, N. J.
American S & B Indicating Gauges. American Schaeffer & Budenberg Corp., Brooklyn, N. Y.
American Safety Lamps. American Safety Lamp & Mine Supply Co., Scranton, Pa.
American Safety Strike Anywhere Matches. The Pennsylvania Match Co., Bellefonte, Pa.
American Sand Blast Machines. Am. Fdry. Equip. Co., New York.
American Sash Pulleys. Grant Pulley & Hardware Co., New York.
American Saw Benches. American Sawmill Machinery Co., New York.
American Scales. Beekman Bros., Des Moines, Ia.
American Screen Door Catches. Burgess & Norton Mfg. Co., Geneva, Ill.
American Seal Paints, Cements, Mortar Colors, etc. Wm. Connors Paint Mfg. Co., Troy, N. Y.
American Self-Oiling Hangers. Am. Tool & Machine Co., Boston.
American Semi-Plug Piston Valve. C. C. Young, Jersey Shore, Pa.
American Sickle Edge Knives. Ney Mfg. Co., Canton O.
American-Sirocco Ventilating Fans. Amer. Blower Co., Detroit, Mich.
American Six Automobile. American Motors Corp., Plainfield, N. J.
American Special Leather Belting. Missouri Belting Co., St. Louis, Mo.
American Speedometers. Am. Ever Ready Wks, Long Island City,N.Y.
American Spelter. Am. Zinc, Lead & Smelting Co., New York.
American Standard Blue Diamond Mops. American Standard Mfg. Co., Chicago.
American Standard Feed Water Heater. The Whitlock Coil Pipe Co., Hartford, Conn.
American Steam & Hot Water Heaters. Pierce, Butler & Pierce Mfg. Co., New York.
American Steam Jet Conveyor. American Steam Conveyor Corporation, Chicago.
American Steam Shovel. American Clay Machinery Co., Bucyrus, O.
American Steam Traps. Am. District Steam Co., North Tonawanda, N.Y.
American Steam Traps; Pop Safety Valves and Water Relief Valves; Oil and Grease Extracts; Engine Indicators; Indicating and Recording Thermometers; Revolution Counters; Gauge and Indicator Cocks; Engine Room Clocks; Hydraulagraphs; Planimeters; Steam Whistles; Gauge Testers and Gauge Boards. American Schaeffer and Budenberg Corp., Brooklyn, N. Y.
American Steam Traps. American District Steam Co., N. Tonawanda, N. Y.
American Steel Bins. American Culvert Co., Albert Lea, Minn.
American Steel Factory Truck. St. Louis Truck & Mfg. Co., St. Louis, Mo.
American Steel Split Pulleys. Am. Machy. Co., Milwaukee, Wis.
American Steel Split Pulleys; Pressed Steel Shaft Hangers. The American Pulley Co., Philadelphia, Pa.
American Steel Wool & Shavings & Abrasives. Am. Steel Wool Mfg. Co., New York.
American Swedo Low Phosphorus Melting Bars. Frank Samuel & Co., Philadelphia, Pa.
American Swiss Files. American Swiss File & Tool Co., E. P. Reichhelm & Co., Inc., New York.
American Telephone Apparatus. American Electric Co., Chicago.
American Testing Meters. Buffalo Meter Co., Buffalo, N. Y.
American Time Stamps. A. A. Weeks Mfg. Co., New York.
American Time Switches. American Time Switch Co., Cleveland.
American Tire and Axle Shrinkers. Champion Blower & Forge Co., Lancaster, Pa.
American Titelock Metal Shingle and Metal Spanish Tile. Milwaukee Corrugating Co., Milwaukee, Wis.
American Tobacco Cutters & Shavers. North Bros. Mfg. Co., Phila.
American Trackbarrow; Carbarrow; Dandy Car; Pony Car. American Trackbarrow Co., Lowell, Mass.
American Track Work. Am. Frog & Switch Co., Hamilton, O.
American Track Switches. United States Electric Signal Co., West Newton, Mass.
American Transformers. American Transformers Co., Newark, N. J.
American Twin Ice Cream Freezers. North Bros., Mfg. Co., Phila.
American Typewriter Ribbons. H. M. Storms Co., New York.
American Underwriters' Hose and Rubber Goods. Boston Belting Co., Boston, Mass.
American Universal Floor Surfacing Machines. American Floor Surfacing Machine Co., Toledo, O.
American Valves. American Valve Co., Coxsackie, N. Y.
American-Wadsworth Sand Blast Apparatus. The Sand Mixing Machine Co., New York.

American Watchman's Time Detector. Pettes & Randall Co., New York
American Watchman's Time Detectors. Morse Magneto Clock Co., New York; American Watchman's Time Detector Co., New York.
American Water Meters. Buffalo Meter Co., Buffalo, N. Y.
American Water Motors. American Water Motor Co., Columbus, O.
American Welded Neck; Tubular Elevator; Cocks; Gate Valves; Van Stone Joint. American Foundry & Construction Co., Pittsburgh, Pa.
American Weldless Sash Chains. American Chain Co., Inc., Bridgeport, Conn.
American Window Glass. American Window Glass Co., Pittsburgh.
American White Ware. Amer. Stamping & Enameling Co., Masillon, O.
American Wicks, Lamps. Standard Oil Co. of New York, New York
American Wire Lock Washers. Hobbs Mfg. Co., Worcester, Mass.
American Wood Fillers. C. H. Butterworth Drug & Paint Co., Philadelphia, Pa.
American Wood Pipe. American Wood Pipe Co., Tacoma, Wash.
American Woodworking Machinery. American Woodworking Machinery Co., Rochester, N. Y.
American Woven Wire Fence. American Steel & Wire Co., Chicago.
American Wrought Steel Pulleys. Strong, Carlisle & Hammond Co., Cleveland.
Americanax Axes. American Axe & Tool Co., Glassport, Pa.
Americore Wires, Cords and Cables. Amer. Steel & Wire Co., Chicago.
Amerite Rubber Covered Signal Wire. American Steel & Wire Co., Chicago.
Ames Alloy Metallic Sheet Packing. U. S. Indestructible Gasket Co., New York.
Ames Bench Lathes, Milling Machines, Drilling Machines, Chucks, Dial Gauges. B. C. Ames Co., Waltham, Mass.
Ames Bolts and Spikes. W. Ames & Co., Jersey City, N. J.
Ames Dial Gauges; Bench Lathes. B. C. Ames Co., Waltham, Mass.
Ames Hollow Augers. Jas. Swan Co., Seymour, Conn.
Ames Locomotive Sanders. American Safety Lamp & Mine Supply Co., Scranton, Pa.
Ames Platens. Ames Supply Co., Chicago.
Ames Una-Flow Steam Engines. Ames Iron Works., New York.
Ames Unit-Flow Engines. Pierce, Butler & Pierce Mfg. Corp., New York.
Ames Water Tube Boilers and Una-Flow Engines. Ames Iron Works, Oswego, N. Y.
Amesbilt Auto Bodies and Truck Units. F. A. Ames Co., Owensboro, Ky.
Ametalhose Sleeves, Joints, Hose. Amer. Metal Hose Co., New York.
Amherst Gas Stoves, Ranges and Hot Air Furnaces. Buffalo Co-Operative Stove Co., Buffalo, N. Y.
Amhest Packing. Canfield Mfg. Co., Ltd., Philadelphia, Pa.
Amicable Marble. Georgia Marble Co., Tate, Ga.
Amico Kitchen Utensils. Ammidon & Co., Baltimore, Md.
Amicsite Asphaltic Concrete Road Compounds. Amies Road Co., Easton, Pa.
Amiesite Paving Material. North Jersey Amiesite Co., Morristown, N. J.
Amilsco Cordage and Twine. American Mills Co., Atlanta, Ga.
Ammco Centrimatic Grinding and Honing Tool. Automotive Maint. Machy. Co., Chicago.
Ammonia Packing. Boston Belting Corp., Boston, Mass.
Amoilco Belt Dressing and Lubricating Oils and Greases. American Oil Corp., Jackson, Mich.
Amoskeag Axes. American Axe & Tool Co., Glassport, Pa.
Amparak Rubber Covered Wire. Am. Steel & Wire Co., Chicago, Ill.
Ampco Aluminum Bronze Castings. American Metal Products Co., Milwaukee, Wis.
Ampoo Metal. American Metal Products Co., Milwaukee, Wis.
Ampoo Reamers. American Machine Products Co., Detroit, Mich.
Ampco Twist Drills and Reamers. Ampco Twist Drill & Tool Co., Detroit, Mich.
Ampeco Engine Pistons. Ampeco Sales Co., Marshalltown, Ia.
Ampeco Pistons, Cutouts, etc. American Machine Products Co., Marshalltown, Ia.
Ampere Canvas Belting. Victor Balata & Textile Belting Co., New York.
Ampinco Electric Fixture Parts. American Pin Co., Waterbury, Conn.
Ampinco Lock-nuts and Washers, Plumbers' Specialties, Safety Pins. American Pin Co., Waterbury, Conn.
Amplex Oils and Greases. Crew Levick Co., Philadelphia, Pa.
Amplitron Loud Speakers. Radio Service & Mfg. Co., New York.
Amplivox Radio Parts. Magnavox Co., Oakland, Calif.
Am-plus Rugged Plates. Am-plus Storage Battery Co., Chicago.
Ampro Electric Bells. Keil Francis & Son, New York.
Amrad Wireless Telegraph Apparatus. Am. Radio & Research Corp., Medford Hillside, Mass.
Ams Can Making, Sheet Metal Working Machinery; Presses. The Max Ams Machine Co., Bridgeport, Conn.
Amsaboco Autographic Registers and Surface Coated Paper Products. American Sales Book Co., Ltd., Elmira, N. Y.
Amscan Sealing Fluid. The Max Ams Machine Co., New York.
Amsco Buckets, Chains, Castings, Grinding Rolls, Mining Screens, Car Wheels, Two Part Teeth, Etc. American Manganese Steel Co., Chicago Heights, Ill.
Amsler Powdered Coal System. Amsler Fuel Economy Co., Pittsburgh.
Amsler Gas Producers and Pulverized Burning Equipt. Amsler-Morton Co., Pittsburgh, Pa.
Amsler Testing Machines. Herman A. Holz, New York.
Amsterdam Linseed Oils, Oil Cake, Oil Meal and Flaxseed. Kellogg & Miller, Amsterdam, N. Y.
Amter Bands and Tapes. American Textile Banding Co., Philadelphia, Pa.
Amwood Varnishes, Enamels and Lacquers. Am. Wood Preserving Co., Chicago, Ill.
Anaconda Belting. Main Belting Co., Philadelphia, Pa.
Anaconda Brass, Bronze, Copper, Nickel Silver, Ambrac Metal, Benedict Nickel (Sheets, Wire, Rods and Tubes). The American Brass Co., Waterbury, Conn.
Anaconda Copper Shingles. Anaconda Copper Mining Co., Chicago.
Anaconda Economy Strip Copper. American Brass Co., Waterbury, Conn.
Anaconda Hoists. Ottumwa Iron Wks., Inc., Ottumwa, Ia.
Anaconda Lawn Sprinklers. W. D. Allen Mfg. Co., Chicago.
Anaconda Rubber Hose. U. S. Rubber Co., New York.
Anaconda White Lead. Anaconda Lead Products Co., Chicago.
Anaglypta-ie—substitute for plaster ornamental ceilings. W. H. S. Lloyd Co., New York.
Anal Bearing Metal. Morse Dry Dock & Repair Co., Brooklyn, N. Y.
Anaque Packing. Wm. L. McClellan, Norwalk, Conn.
Ancho Asphalt Roofing and Paint. Warren Chem. Div., The Barrett Company, New York.
Anchor Asphalt Roofing. Warren Chemical & Mfg. Co., New York.
Anchor Auto Truck Trailers. Anchor Top & Body Co., Cincinnati, O.
Anchor Bar Skylights. E. Van Noorden & Co., Boston, Mass.
Anchor Belt Lacing. Kayser Tanning Co., St. Louis, Mo.
Anchor Belting. Page Belting Co., Concord, N. H.
Anchor Bolting Cloth. R. L. Latimer & Co., Philadelphia, Pa.
Anchor Brand Bridle Bits, Buckles, Breast Chains, Breeching and Hame Clips, Cockeyes, Carriage Fasteners, Books, Loops, Pad Screws, Rests, Rings, Rosettes, Scrapers, Screws, Slides, Snaps, Spurs, Swivels, Terrets, Toggles and Trimmings; Hardware. North & Judd Mfg. Co., New Britain, Conn.
Anchor Brand Clothes Wringers. Lovell Mfg. Co., Erie, Pa.
Anchor Brand Colors, Ochres, Oxide of Iron, Powdered Asbestine, Terra Alba and Venetian Reds. C. K. Williams & Co., Easton, Pa.
Anchor Brand Dry Colors and Fillers. C. K. Williams & Co., Easton, Pa.
Anchor Brand Hardware Products. North & Judd Mfg. Co., New Britain, Conn.
Anchor Brand Lace-Leather. Kayser Tanning Co., St. Louis, Mo.
Anchor Brand Metal Ingot. Great Western Smelting & Refining Co., Chicago.
Anchor Brand Pails, Dry Measures, Wood Tubs. Richmond Cedar Works, Fulton, Richmond, Va.
Anchor Brick and Clay Cars, Concrete Building Block Machinery. Anchor Concrete Machinery Co., Columbus, O.
Anchor Bunting. U. S. Bunting Co., Lowell, Mass.
Anchor Carbon Black. L. Martin Co., New York.
Anchor Carriage Axles, Spring. Sheldon Axle & Spring Co., Wilkes-Barre, Pa.
Anchor Concrete Block Machine; Batch Mixer. Anchor Concrete Machy. Co., Rock Rapids, Ia.
Anchor Concrete Brick & Building Block Machinery; Stripper Block Machines. Anchor Concrete Machy. Co., Columbus, O.
Anchor Curtain Rods. Jamestown Curtain Rod Co., Jamestown, N. Y.
Anchor Cutting and Drilling Compounds, Lubricating Oils and Greases, Metal Polish. Anchor Oil & Chemical Co., Cleveland, O.
Anchor Door Bells. Bradley & Farnham, Middlefield, Conn.
Anchor Drive Calks. Williams Drop Forging Co., Scranton, Pa.
Anchor Fuse. E. I. du Pont de Nemours & Co., Inc., Explosives and Smokeless Powder Depts., Wilmington, Del.
Anchor Galvanized Nails. E. & G. Brooke Iron Co., Birdsboro, Pa.
Anchor Gas Ranges and Heaters. Anchor Stove & Range Co., New Albany, Ind.
Anchor Glass Bottles and Jars. Norfolk Glass Mfg. Co., Norfolk, Va.
Anchor Guard Rail Clamps. M. W. Supply Co., Philadelphia, Pa.
Anchor Gummed Tape and Sealing Machines. Metal Specialties Mfg. Co., Chicago, Ill.
Anchor Hardware, Saddlery and Wire Buckles. North & Judd Mfg. Co., New Britain, Conn.
Anchor Hatchets, Adze and Boys' Broad and Hunters Axes. Fayette R. Plumb, Inc.; Tucker & James, Frankfort, Philadelphia, Pa.
Anchor Hoisting Engines. Superior Iron Works Co., Superior, Wis.
Anchor Hose. National India Rubber Co., Bristol, R. I.
Anchor Insecticides. Leggett & Bro., New York.
Anchor Leather Belting. Jos. G. Paulus & Co., Philadelphia, Pa.
Anchor Linoleums. Germania Importing Co., New York.
Anchor Linseed Oil and Cake. Ankeney Linseed Oil Mfg. Co., Des Moines, Ia.
Anchor Metal Polish. J. W. Hoffman Co., Boston, Mass.
Anchor Paint. Irvin Jewell & Vinson Co., Dayton, O.
Anchor Post Chain Link Fence. Anchor Post Iron Wks., Garwood N. J.
Anchor Post Fences, Gates and Posts. Anchor Post Iron Co., New York.
Anchor Printing Inks. Jaenecke-Ault Co., Newark, N. J.
Anchor Rubber Cements. National Rubber & Specialties Co., Cincinnati, O.
Anchor Rubber Hose. National India Rubber Co., Bristol, R. I.
Anchor Rubber Tile. Mercer Rubber Co., Trenton, N. J.
Anchor Safety Bond and Ticket Paper. George LaMonte & Son, New York.
Anchor Safety Fuse. E. I. du Pont de Nemours & Co., Inc., Explosives & Smokeless Powder Depts., Wilmington, Del.
Anchor Salt and Sulphur. Stauffer Chemical Co., San Francisco.
Anchor Sap Sprouts. Franklinville Canning Co., Franklinville, N. Y.
Anchor Seals. Keystone Seal & Press Co., Brooklyn, N. Y.
Anchor Sheet Packings. The Anchor Packing Co., Philadelphia, Pa.
Anchor Sink Brushes. Philip Fogerty & Co., Brooklyn, N. Y.
Anchor Sockets. Chicago Builders' Specialties Co., Chicago.
Anchor Soldering Flux. Garden City Laboratory, Chicago, Ill.
Anchor Spark Plugs. Szel Import & Export Co., New York.
Anchor Steel Barrels, Tanks, Ventilators. Meurer Steel Barrel Co., Inc., New York.
Anchor Steel. Colonial Steel Co., Pittsburgh, Pa.
Anchor Steel Buildings. Anchor Corrugating Const. Co., New York.
Anchor Stoves and Ranges. Anchor Stove & Range Co., New Albany, Ind.
Anchor Sulphur. San Francisco Sulphur Co., San Francisco, Calif.
Anchor Ventilator. Geo. C. Meurer Co., Brooklyn, N. Y.
Anchor Weld Iron Gates and Railings. Anchor Post Iron Works, New York.
Anchored Soap. Anchor Core Economy Soap Co., Chicago, Ill.
Anchortite Core Oil. The Buckeye Products Co., Cincinnati, O.
Anco Fountain Pen Clips and Sewing Thimbles. Ansonia Novelty Co., Ansonia, Conn.
Anco Nuts. American Nut Company, Columbus, O.
Anderson Air and Steam Traps, Fertilizer Expellers, Fitters, Dryers, Oil Presses, Separators. V. D. Anderson Co., Cleveland, O.
Anderson Automatic Adjusters. Hegeman-Castle Corp., Chicago, Ill. Holden & White, Chicago, Ill.
Anderson Boiler Stop Valves, Pressure Reducing Valves, Plug Cocks. Golden-Anderson Valve Specialty Co., Pittsburgh, Pa.
Anderson Die Forming Machines. The Anderson Die Machine Co., Bridgeport, Conn.
Anderson Draft Gear. Waugh Draft Gear Co., Chicago, Ill.
Anderson Drop Forgings. Anderson Forge & Machine Co., Detroit, Mich.
Anderson Emery, Wet and Wood Working Tool Grinders. Worcester, Pattern & Model Co., Worcester, Mass.
Anderson Engines. Anderson Engine Co., Chicago.
Anderson Friction Draft Gears. Waugh Draft Gear Co., Chicago.
Anderson Gasoline Engines. Dice Mach. Co., Anderson, Ind.
Anderson-Hale Fire Station Door Openers. The Anderson Coupling & Fire Supply Co., Kansas City, Kans.
Anderson Hose Couplings, Hose Nozzles. G. A. Anderson Mfg. Co., Bush & Russell, Baltimore, Md.

Anderson Leader Wagon Skeins. American Skein & Foundry Co., Racine, Wis.
Anderson Lightning Rods. Anderson Mfg. Co., Des Moines, Ia.
Anderson Milling Cutters, Die Forming, Muzzling and Tapping Machines. Anderson Die Machine Co., Bridgeport, Conn.
Anderson Motor Cars. Anderson Motor Co., Rock Hill, S. C.
Anderson Oil Engines. Anderson Foundry & Machine Works, Anderson, Ind.
Anderson Pipe Couplings. Chapman Valve Mfg. Co., Indian Orchard, Mass.
Anderson Pipe Cutters. Tucker Tool & Mach. Co., New York.
Anderson Plugs. Albert I. M. Anderson Mfg. Co., Boston, Mass.
Anderson Pneumatic Scrapers. Anderson Bros. Mfg. Co., Rockford, Ill.
Anderson Rotary Exhausters for Canners. Anderson Filing Machine Co., Alameda, Cal.
Anderson Safety Switch Locks; Interlocking Switch Stands. American Valve & Meter Co., Cincinnati, O.
Anderson Spring Lubricators. Anderson Mfg. Co., Boston, Mass.
Anderson Steam Traps. Standard Steam Specialty Co., New York.
Anderson Steam Traps, Steam and Oil Separators and Pressure Filters. V. D. Anderson Co., Cleveland, O.
Anderson Steel Wheels and Cutters. Albert & J. M. Anderson Mfg. Co., Boston, Mass.
Anderson Switch Stands. American Valve & Meter Co., Cincinnati, O.
Anderson Time Switches and Battery Charging Plugs. Albert & J. M. Anderson Mfg. Co., Boston, Mass.
Anderson Traveling Cranes. Lane Mfg. Co., Montpelier, Vt.
Anderson Water Heaters. Anderson-McCutcheon Co., Peekshill, N. Y.
Anderson Window and Door Frames. Anderson Lumber Co., South Stillwater, Minn.
Anderson Worm Gear Rings. Anderson Rolled Gear Co., Cleveland, O.
Andes Stoves, Ranges and Furnaces. Phillips & Clark Stove Co., Inc., Geneva, N. Y.
Andra Brushes. Grand Rapids Brush Co., Grand Rapids, Mich.
Andrade—Wilcox Windlasses. Middletown, Conn.
Andrae Motor Generator. Julius Andrae & Sons Co., Milwaukee, Wis.
Andrae Testmeters. Julius Andrae & Sons Co., Milwaukee, Wis.
Andrew Boring Machine. M. L. Andrew & Co., Cincinnati, O.
Andrews Canning Racks. Andrews Wire & Iron Wks., Rockford, Ill.
Andrews Hot Air Furnaces, Steam and Hot Water Heaters, Safety Valves, Thermostats, Sewage Disposal Plants, Etc. Andrews Heating Co., Minneapolis, Minn.
Andrews Meter Boxes. Modern Iron Works, Quincy, Ill.
Andrews Safety Valves. Andrews Heating Co., Minneapolis, Minn.
Andrews Side Frames and Truck Frames. American Steel Foundries, Chicago.
Androck Kitchen Ware. The Washburn Company, (Andrews Division) Rockford, Ill.
Andrus Dry Brick Press Machines. Industrial Supply Co., Keokuk, Ia.
Anelec Products. Anniston Elec. Steel Corp., Dept. H, Anniston, Ala.
An-Fo Poultry Feed and Foods. Animal Food Co., Oakland, Cal.
Angeles Porcelain Enamel Ware. Smooth-Holman Co., Inglewood, Cal.
Angell Elevator Safety Devices. Angell Elevator Lock Co., Boston.
Angell Self Clinching Belt Fasteners. Angell Belt Hook Co., Pawtucket, R. I.
Angelus Automatic Brake and Governor. Angelus Automatic Brake & Governor, Los Angeles, Cal.
Angelus Brushes and Brooms. Los Angeles Brush Mfg. Co., Los Angeles, Cal.
Angelus Can Makers Machinery. Angelus Sanitary Can Mach. Co., Los Angeles, Calif.
Angelus Rubber Heels and Cement. Angelus Heel & Rubber Co., Los Angeles, Calif.
Anger's Perfect Cake Fillers. Sargent & Co., New Haven, Conn.
Angier Waterproof Papers. Angier Mills, Framingham, Mass.
Angle Compound Air Compressors. Sullivan Machinery Co., Chicago.
Angle Fire Hose Racks. Wirt & Knox Mfg. Co., Philadelphia, Pa.
Angle Iron Racks. Wirt & Knox Mfg. Co., Philadelphia, Pa.
Angle Stem Foundry Chaplets. Combined Supply & Equipment Co., Buffalo, N. Y.
Angle Tires, Casings, etc. Marathon Tire & Rubber Co., Cuyahoga Falls, O.
Angle Wind Shields. H. J. Russell, Worcester, Mass.
Anglerod Brake Beams. Damascus Brake Beam Co., Cleveland, O.
Anglo-American Enamels. Hegeman-Castle Corp., Chicago, Ill.; Holden & White, Chicago, Ill.
Anglo Row Locks. Thos. Laughlin Co., Portland, Me.
Anglrod Freight Beams. Damascus Brake Beam Co., Cleveland, O.
Angola Fruit Evaporator. Geo. L. Squier Mfg. Co., Dept. H, Buffalo, N. Y.
Angora Cleaning Mitt. F. Raniville Co., Grand Rapids, Mich.
Angular Grit. Pittsburgh Crushed Steel Co., Pittsburgh, Pa.
Anhydrosol Damp Proof Coating. Toch Brothers, Inc., New York.
Anhydrous Leather Belting. Chas. L. Ireson, Inc., Boston, Mass.
Anhydrous Waterproof Belting. Chas. L. Ireson, Boston, Mass.
Animaloil Belt Dressing. Animal Oil Co., Philadelphia, Pa.
Ankorite Gaskets, Packing, Pump Valves and Valve Discs. Anchor Packing Co., Philadelphia, Pa.
Ankorite Steel Fence Posts. Argyle Railway Supply Co., Chicago.
Ankorite Superheat Valve Discs. Anchor Packing Co., Phila., Pa.
Ankyra Anchor Expansion and Toggle Bolts. Ankyra Mfg. Co., Phila.
Ankyra Bearings. Arguto Oilless Bearing Co., Philadelphia, Pa.
Ann Arbor Baling Machinery, Fodder Cutters & Silo Fillers. Ann Arbor Machine Co., Ann Arbor, Mich.
Ann Arbor Lamps. The Superior Mfg. Co., Ann Arbor, Mich.
Annex Lamp Wicks. Massasoit Mfg. Co., Fall River, Mass.
Annex Lawn Mowers. F. & N. Lawn Mower Co., Richmond, Ind.
Anniston Cotton Rope. Anniston Cordage Co., Anniston, Ala.
Anniston Hyatt Mine and Ore Cars. Anniston Electric Steel Corp., Dept. H, Anniston, Ala.
Annunciphone Telephone Switchboards. Electric Goods Mfg. Co., Canton, Mass.
Anosky Adze. American Axe & Tool Co., Glassport, Pa.
Ansonia Annunciators and Burglar Alarms. Ansonia Electrical Co., Ansonia, Conn.
Ansonia Finger Nail Clippers. H. C. Cook Co., Ansonia, Conn.
Ansonia Sewage Ejectors, Incinerators, Oil Separators, Etc. Ansonia Sanitary Mfg. Co., New York.
Answer Spark Plugs. Hilborn Co., Inc., New York.
Antakwa Colorless Waterproofing and Floor Oil. Antakwa Co., Chicago, Ill.
Antakwa Damp-Resisting Paints. Antakwa Co., Chicago, Ill.
Antarctic Hose. The Diamond Rubber Co., Akron, O.
Antelope Hose. The Diamond Rubber Co., Inc., Akron, O.
Antex Round Boxes and Fancy Baskets. Aunett Box Co., East Jeffrey, N. Y.
Anthony Oil and Gas Burners, Forges, Furnaces, Torches, Oil Strainers, Heaters, Pumps, Etc. Anthony Co., Long Island City, N. Y.
Anthony Wayne Incandescent Lamps. Anthony Wayne Lamp Co., Fort Wayne, Ind.
Anthony Woven Wire Fences. American Steel & Wire Co., Chicago.
Anthracite Valves. The Diamond Rubber Co., Inc., Akron, O.
Anti-Aqua Paint. Detroit Graphite Co., Detroit, Mich.
Anti-Aqua Damp Resisting Paints and Waterproofing Materials. Detroit Graphite Co., Detroit, Mich.
Anti-Borax Brazing. Anti-Borax Compound Co., Fort Wayne, Ind.
Anti-Carbon Lubricating Oils and Greases. American Oil Corp., Jackson, Mich.
Anti-Corrosive Greases, Lubricating and Cylinder Oil. E. H. Kellogg & Co., New York.
Anticlog Brass Cleanouts and Cesspools. Watertite Drain & Scupper Co., New York.
Antidam Heat-Retaining Auto Radiator Cover. Glover Equipment Co., Indianapolis, Ind.
Anti-Damp Waterproofing Materials. Anti-Stick Co., Westerville, O.
Anti-Dust Sweeping Compounds. Anti-Dust Chemical Co., Denver, Colo.; Day, Bergwell Co., Milwaukee, Wis.,; Peabody Anti-Dust Co., Peabody, Mass.
Anti-Explo Automobile Mufflers. Gemco Mfg. Co., Milwaukee, Wis.
Anti-Flux Fire Clay Products. Chicago Retort & Fire Brick Co., Chicago.
Antiformin Disinfectants. American Antiformin Co., Brooklyn, N. Y.
Anti-Freezing Fire Hydrants. Macgungie Brass & Mfg. Co., Macgungie, Pa.
Anti-Freezing Valves and Closets. Geo. W. Maltby & Sons Co., Buffalo, N. Y.
Anti-Friction Bearings. Ball and Roller Bearing Co., Danbury, Conn.
Anti-Friction Belt Dressing. John Ryan, Baltimore, Md.; Webb Belting Co., Kansas City, Mo.; W. H. Salisbury & Co., Chicago.
Anti-Friction Engine, Dynamo and Turbine Oils. E. H. Kellogg & Co., New York.
Antignite. Johns-Manville, Inc., New York, N. Y.
Anti-Hydro Concrete Hardener Waterproofing. Anti-Hydro Waterproofing Co., Newark, N J.
Anti-Hydro Waterproofing Company. F. M. Hausling, Newark, N. J.
Anti-Hydro Waterproofing Compounds. Anti-Hydro Waterproofing Co., Newark, N. J.
Anti-Hydro (Waterproof) Leather Belting. Webb Belting Co., Kansas City, Mo.
Anti-Leak Pipe Joint Cements. J. R. & H. J. Bostwick, Clifton Springs, N. Y.
Antinonnin Disinfectants. Bayer Co. (Inc.), New York City.
Anti-Panic Chain Door Fasteners. Racine Iron & Wire Works, Racine, Wis.
Anti-Panic (Bolles) Entrance-Door Locks and Exit Door Fastenings. Wm. P. Bolles, Milwaukee, Wis.
Anti-Pluvius Puttyless Skylights. G. Drouve Co., Bridgeport, Conn.
Anti-Pyre Fireproof Paints. Samuel Cabot, Inc., Boston, Mass.
Antique Club Writing Paper. W. B. Oglesby Paper Co., Middletown, O.
Anti-Sag Screen Door Braces. F. Edw. Snyder, Massillon, O.
Anti-Screw Midget Push Buttons. Francis Kell & Son, New York.
Antiseptine Wood Preservatives, Wood and Shingle Stains. American Wood Preserving Co., Chicago, Ill.
Antiseptol Liquid Soap and Dispensers. Antiseptol Liquid Soap Co., Chicago.
Anti-Slip Belt Dressing. Geo. Callahan & Co., New York.
Anti-Slip Ice Creepers. Reading Saddle & Mfg. Co., Reading, Pa.
Anti-Slip Metal Treads. Universal Safety Tread Co., Waltham, Mass.
Anti-Slip Pulley Dressing. Fansher Bros., Dayton, O.
Anti-Slip Safety Treads. Electrical Material Co., Chicago.
Anti-Splash Diaphragm Pump. Barnes Mfg. Co., Mansfield, O.
Anti-Sweat Insulation. Johns-Manville, Inc., New York.
Anti-Whalebone Whips. Featherbone Whip Co., Westfield, Mass.
Anti-Wood Push Buttons. Francis Keil & Son, New York.
Antler Surgical Elastic Hosiery. W. H. Horn & Bros., Philadelphia.
Antlers Enameled Blotting Paper. Wrenn Paper Co., Middletown, O.
Antoxide Rust-Inhibitive Paint. E. I. du Pont de Nemours & Co., Inc., Paint & Varnish Dept., Philadelphia, Pa.; Chicago Varnish Works, Chicago.
Antrim Pig Iron. Antrim Iron Co., Grand Rapids, Mich.
Anvil Bread, Butchers' Carving and Kitchen Knives, Cork Screws, Nut Crackers and Picks. Meriden Cutlery Co., Meriden, Conn.
Anvil Soldering Coppers and Rivets. U. T. Hungerford Brass & Copper Co., New York.
Anvil Tackle Blocks. Western Block Co., Lockport, N. Y.
Anyangl Lighting Fixture. Miller Saw-Trimmer Co., Pittsburgh, Pa.
Aosco Insulating Materials, Mica, Etc. A. O. Schoonmaker Co., New York.
A-Pache Kleenall Hand Soap. Phoenix Laboratories, San Francisco, Cal.
A-Pache Tire Patches. Phoenix Laboratories, San Francisco, Cal.
Apartment Tissue. National Paper Products Co., San Francisco.
Apco Auto Specialties. Auto Parts Co., Providence, R. I.
Apco Jacks. Ashland Products Co., Ashland, O.
Apco Oil Gauges. Auto Parts Co., Providence, R. I.
Apex All-Steel Playground Apparatus. Howard George, Phila., Pa.
Apex Bath Fittings. F. M. Dubois & Co., New York.
Apex Belt Dressing and Belt Lacing. W. H. Salisbury & Co., Chicago.
Apex Bread Toasters. A. T. Knowlson Co., Detroit, Mich.
Apex Carbon Paper. Union Ribbon & Carbon Co., Philadelphia, Pa.
Apex Carburetor Throttle and Pump Connections. Apex Elec. Mfg. Co., Chicago, Ill.
Apex Cement Plasters. Acme Plaster Co., St. Louis, Mo.
Apex Chrome Leather Belting. Industrial Requirements Co., Phila.
Apex Clothes Driers. H. A. Stiles & Company, Boston, Mass.
Apex Cold Water Paint. Acme Asbestos Covering & Supply Co., Chicago, Ill.
Apex Electric Vacuum Cleaners. Apex Electrical Mfg. Co., Cleveland.
Apex Flour Sieves. Roseland Can & Specialty Co., Rockford, Ill.
Apex Gypsum Products. Acme Cement Plaster Co., St. Louis, Mo.
Apex Heating Stoves. Indiana Foundry Co., Inc., Indiana, Pa.
Apex Hot Air Furnaces. Youngstown Furnace Co., Youngstown, O.
Apex Ironers and Washing Machines. Apex Appliance Co., Chicago.
Apex Liquid Soap Dispensers, Hand Punches, Bench Stops, Saw Sets, Seal Presses. Charles Morrill, Inc., New York.
Apex Motor Trucks. Hamilton Motor Co., Grand Haven, Mich.
Apex Paint and Varnish Removers. Berry Bros., Detroit, Mich.
Apex Polishine Metal Polish. A. D. Millers' Sons Co., Pittsburgh, Pa.
Apex Roofing Paints. Richmond Bros., Cincinnati, O.
Apex Rubber Belting. Goodyear Rubber Co., San Francisco, Cal.
Apex Sheet Metal Punches, Liquid Soap Dispensers, Nail Pullers, Saw Sets, Bench Stops, Seal Presses and Hand Punches. Chas. Morrill, New York.
Apex Leather Belt, Cement, Dressing, Lace, and Hose. **W. H. Salisbury & Co., Inc., Chicago.**
Apex Leather Belting. Palmer & Co., N. Bridgeport, Conn.
Apex Paints. Apex Color Works, New York.

Apex Pipe Cutting and Threading Mach. Merrill Mfg. Co., Toledo, O.
Apex Steel Drive Posts. Janesville Barb Wire Co., Janesville, Wis.
Apex Trucks. Hamilton Motors Co., Grand Haven, Mich.
Apex Turned Edge, Orange Box, Punched Hoop, Split Wire, Corrugated Twisted Wire and Embossed Strapping; Pail Clasps; Tag Hooks, Corner Irons; Corrugated Fasteners. Consolidated Steel Strapping Co., (Successor to Signode System, Inc. and Twisted Wire & Steel Co.), Chicago.
Apex Varnish and Paint Remover. Berry Brothers, Inc., Detroit, Mich.
Apex Walloon Welding Wire; Superior High Speed Steel. Apex Steel Corporation, New York.
Apex Woven Wire Fences. Janesville Barb Wire Co., Janesville, Wis.
Apfel's Confectioners' Machy., Electric Batch Heater and Chocolate Dipping Tables. Elec. Heating & Mfg. Co., Dept. H, Seattle, Wash.
A Plus A Leather Belting. Chas. L. Ireson, Inc., Boston, Mass.
Apolla Grease Cups. The Lunkenheimer Co., Cincinnati, O.
Apollo Automobile Horns. Automobile Supply Mfg. Co., Brooklyn, N. Y.
Apollo Galvanized Steel Sheet. American Sheet & Tin Plate Co., Pittsburgh, Pa.
Apollo Gas Igniters. Apollo Magneto Corp., Kingston, N. Y.
Apollo Grease Cups. Lunkenheimer Co., Cincinnati, O.
Apollo Incandescent Gas Mantles. Welsbach Light Co., Phila., Pa.
Apollo Kerosene Lamp Burners. Edw. Miller & Co., Meriden, Conn.
Apollo Medical Batteries. Manhattan Elec. Supply Co., New York.
Apollo-Nickelizinc Mirror-Finished Nickel Sheets. Apollo Metal Wks., La Salle, Ill.
Apollo Rubber Roofing. Rubber Roofing Mfg. Co., New York.
Apollo Sheets. American Sheet & Tin Plate Co., Pittsburgh, Pa.
Apollo Stoves. Buckwalter Stove Co., Royersford, Pa.
Appco "Shipsafe" Corrugated Fibre Boxes. American Paper Products Co., St. Louis, Mo.
Appell South African Water Bags. Hirsch-Weis Mfg. Co., Portland, Ore.
Appollo Numbering Machines. R. A. Stewart & Co., New York.
Apperly Feeds. Geo. S. Harwood & Son, Boston, Mass.
Appleton Farm Implement. Appleton Mfg. Co., Batavia, Ill.
Apperson Roadaplane Automobiles. Apperson Bros. Automobile Co., Kokomo, Ind.
Apple Parers. Reading Hardware Co., Reading, Pa.
Appleton Agricultural Implements. Appleton Mfg. Co., Batavia, Ill.
Appleton Brushes, Measures, Etc. Schlafer Hardware Co., Appleton, Wis.
Appleton Butcher Blocks. Appleton Wood Products Co., Appleton, Wis.
Appleton Conduit Fittings. Appleton Electric Co., Chicago, Ill.
Appleton Hay Carriers. Appleton Hay Tool Co., Appleton, Wis.
Appleton Outlet and Switch Boxes, Conduit Fittings, Lock Nuts. Appleton Electric Co., Chicago, Ill.
Appleton Porch Furniture and Toys. Appleton Toy & Furniture Co., Appleton, Wis.
Appleton-Goodhue Corn Huskers. Appleton Mfg. Co., Batavia, Ill.
Appleton's Washer Cutters. Sargent & Company, New Haven, Conn.
Apsco Dispensing System. Allen Pressure System Co., New York.
Apsco Line of Pencil Sharpeners. Spengler-Loomis Mfg. Co., Chicago.
Aqua Ammonia Pumps. York Mfg. Co., York, Pa.
Aqua Belting. Schultz Belting Co., St. Louis, Mo.
Aqua Brass Faucets. Crane Co., Chicago, Ill.
Aqua Electric Water Heaters. Aqua Electric Heater Co., Bridgeport, Conn.
Aqua Jr. Brass Faucets. Crane Co., Chicago, Ill.
Aqua Leather Belting. Laurence Belting Co., New York.
Aquabar Concrete Hardeners and Waterproofing Materials. Aquabar Co., Philadelphia, Pa.
Aquabar Waterproofing Products. Aquabar Waterproofing Products, Philadelphia, Pa.
Aquadag Graphite Lubricants. Acheson Oildag Co., Niagara Falls, N. Y.
Aquadam Waterproofing Materials. Johns-Manville, Inc., New York.
Aqua Jack Spray Pumps. W. & B. Douglas, Middletown, Conn.
Aqualene Cutting Compound. International Acheson Graphite Co., Niagara Falls, N. Y.
Aqualene Cutting Oils. Crescent Oil Co., New York.
Aqualite Fire and Weatherproof Paints. Columbia Refining Co., New York.
Aquamarine Belting. American Belting & Tanning Co., Boston, Mass.
Aqua-Nit Waterproofing Materials. Jamestown Paint & Varnish Co., Jamestown, Pa.
Aquanon Asphalt Waterproofing and Roof Paste. Warren Chemical Div., The Barrett Company, New York.
Aquaproof Rawhide Packing. Strong Machinery & Supply Co., New York.
Aquapult Bucket Spray Pumps. W. & B. Douglas, Middletown, Conn.
Aquapura Filters. N. O. Nelson Mfg. Co., St. Louis, Mo.
Aquares Hose. The Republican Rubber Co., Yougstown, O.
Aquart's Eureka Compound, Car Cleaner and Renovator. Aquart Mfg. Co., St. Louis, Mo.
Aquasol Coolant. Wm. C Robinson & Son, Baltimore, Md.
Aqua-Stain Stains and Dyes. William Flood Co., Cleveland, O.
Aquatite Concrete Waterproofer. American Builders Products Co., Chicago.
Aquatite Veneer Packing Cases. Utility Mfg. Co., Goldsboro, N. C.; Aquafite Case Agency, New York.
Aqueduct Wire Glass. Pennsylvania Wire Glass Co., Philadelphia.
Arab Black. L. Martin Co., New York.
Arab-De-Lux Auto Tent. Riverside Tent & Awning Co., Riverside, Cal.
Arabian Brand Asbestos Brake Linings. Rosendale-Reddaway Belting & Hose Co., Newark, N. J.
Arabian Hair Belt. Rossendale-Reddaway Belting Co., Newark, N. J.
Aragon Distinctive Lighting Fitments. Buffalo Chandelier Corp., Buffalo, N. Y.
Arawana Hammocks. I. E. Palmer Co., Middletown, Conn.
Arborlux Christmas Tree Lighting Sets. General Electric Co., Schenectady, N. Y.
Arborlux Decorative Electric Lighting. General Electric Co., Schenectady, N.Y.
Arc Lamp Hanger Boards. Lundin Electric & Machine Co., Boston.
Arc Spring Currycombs. Decker Mfg. Co., Keokuk, Ia.
Arc Weld Rail Bonds and Resistors. American Steel & Wire Co., Chicago.
Arca Regulators. American Galco Incorporated, New York.
Arcade Cuspidors. Arcade Mfg. Co., Freeport, Ill.
Arcade Files and Rasps. Nicholson File Co., Providence, R. I.
Arcade Molding Machines and Hardware Specialties. Arcade Mfg. Co., Freeport, Ill.
Arcadia Trailers and Bodies. Arcadia Trailer Corp., Newark, N. Y.
Arcadia Rubber Belting. N. J. Car Spring & Rubber Co., Jersey City, N. J.
Arcadian Ceiling Hooks. Arcade Mfg. Co., Freeport, Ill.
Arcadian Grindstones. Lombard & Co., Boston, Mass.
Arcadian Sulphate of Ammonia. Barrett Co., New York.
ArCar Rubber Belting. New Jersey Car Spring & Rubber Co., Inc., Jersey City, N. J.
Archambault Kerosene Furnace. Barnes Tool Co., New Haven, Conn.
Archbutt-Deeley Water Softening and Purifying Apparatus. Leigh & Butler, Boston, Mass.
Arch Colonel Golf Balls. St. Mungo Mfg. Co., Newark, N. J.
Archer Cord Auto Tires. Twin City Cord Tire Co., Inc., Minneapolis, Minn.
Archer Truck Bodies. Archer Iron Works, Chicago, Ill.
Archers Grey Inner Automobile Tubes and Fabric Tire Covers. Archer Tire & Rubber Co., Minneapolis, Minn.
Archimedeo Calculating Machine. Carl H. Reuter, Inc., Philadelphia, Pa.
Arch-Tone Shoe. The Krohn-Fechheimer Co., Cincinnati, O.
Arcide Rubber Soles. Angelus Heel & Rubber Co., Los Angeles, Calif.
Arco Boiler Covering. Arco Co., Cleveland, O.
Arco Cork Washers. Armstrong Cork & Insulation Co., Pittsburgh.
Arco Padlocks. Fraim-Slaymaker Hdwe. Co., Inc., Lancaster, Pa.
Arco Rays Paint. Arco Co., Cleveland.
Arco Refrigerators. Arlington Refrigerator Co., Arlington, Vt.
Arco Regulators. American Radiator Co., Chicago.
Arco Varnishes, Enamels and Finishing Products. Arco Co., Cleveland, O.
Arco Wand Vacuum Cleaners. American Radiator Co., Chicago.
Arcola Boilers and Radiators. Am. Radiators Co., Chicago, Ill.
Arcola Heaters. American Radiator Co., Chicago.
Arco-Lite Lamps. Yale Light Co., Chicago
Arcon Transmission Belting. Imperial Belting Co., Inc., Chicago.
Arcover Insulators. Electrose Mfg. Co., Brooklyn, N. Y.
Arctic Asbestos Roofing. Weaver Roof Co., Los Angeles, Cal.
Arctic Automatic Grease Cups. W. D. Allen Mfg. Co., Chicago.
Arctic Bronze Bearings. Moore-Jones Brass & Metal Co., St. Louis, Mo.
Arctic Chloride of Calcium. Pomeroy Salt Assn. Co., Pomeroy, O.
Arctic Coal Tongs, Ice Tongs, Fruit Presses, Sad Iron Heaters, Handles and Stands, Stove Trimmings, Toilet Paper Holders, Quilt Frame Clamps and Fireplace Furnishings. Fanner Mfg. Co., Cleveland.
Arctic Cotton Mops. Massasoit Mfg. Co., Fall River, Mass.
Arctic Cup Grease. Standard Oil Co. of Ohio, Cleveland, O.
Arctic Explosives. E. I. du Pont de Nemours & Co., Inc. Explosives and Smokeless Powder Depts., Wilmington, Del.
Arctic Fire Extinguishers. S. F. Hayward & Co., Elmira, N. Y.
Arctic Grease Cups. W. D. Allen Mfg. Co., Chicago.
Arctic Hair Insulator. American Hair Felt Co., Chicago.
Arctic Hose; Valves. The Diamond Rubber Co., Akron, O.
Arctic Ice Cream Freezers. White Mountain Freezer Co., Nashua,N.H.
Arctic Keystone Hair Insulator. Johns-Manville, Inc., New York.
Arctic Lawn Swings. Ohio Rake Co., Dayton, O.
Arctic Locomotive Crown Bearings. More-Jones Brass & Metal Co., St. Louis, Mo.
Arctic Lubricating Oils and Greases. Standard Oil Co. of N. Y., New York.
Arctic Lubricator. The Lunkenheimer Co., Cincinnati, O.
Arctic Oil and Greases. Standard Oil Co., New York City.
Arctic-Pownall Raw Water Systems. Arctic Ice Mach. Co., Canton, O.
Arctic Sight Feed Lubricators. Lunkenheimer Co., Cincinnati, O.
Arctic Stove Trimmings. Fanner Mfg. Co., Cleveland, O.
Arctic Water Meters. Pittsburgh Meter Co., E. Pittsburgh, Pa.
Arcvo Drinking Fountains. Crane Co., Chicago, Ill.
Arcwall Coal Cutter. Jeffrey Mfg. Co., Columbus, O.
Ardee Sash Lock. Dayton Mfg. Co., Dayton, O.
Ardho Steel. Walter Spencer & Co., Ltd., Sheffield, Eng.
Ardufco Children's Furniture. Duffield & Co., Derby, Conn.
Arentox Fire Retardant. Arentox Co., Des Moines, Ia.
Areoles Stoves. Birmingham Stove & Range Co., Birmingham, Ala.
Argam Quebracho Extracts. A. Klipstein & Co., New York.
Argand Blowers. McClave-Brooks Co., Scranton, Pa.
Argentine Plate Glass. Bache, Semon & Co., New York.
Argentine Scrap-O-Meat Poultry Food. Marine Products Co., Tacoma, Wash.
Argento Bearings. Argento Oilless Bearing Co., Philadelphia, Pa.
Argmaster Electric Controllers. Jeffrey Mfg. Co., Columbus, O.
Argo Brand High Speed Steel. The John Illingsworth Steel Co., Frankford, Philadelphia, Pa.
Argo Culinary Vegetable Oils and Laundry Starch. Corn Products Refining Co., New York.
Argo Linseed Oil. Charles A. Hansen, New York.
Argo Photographic Paper. Defender Photo Supply Co., Rochester, N. Y.
Argon Clay Fire Brick. Vitrefrax Co., Inc., Los Angeles, Calif.
Argos Padlocks. Sargent & Co., New Haven, Conn.
Argus Lightning Arresters. Foote, Pierson & Co., New York.
Argus Paper Fasteners, Pen and Pencil Clasps, Envelope Moisteners, Stationery, Etc. Argus Mfg. Co., Chicago.
Arguto Oilless Bearings. Arguto Oilless Bearings Co., Philadelphia, Pa.
Argyle Car and Engine Replacers; Portable Derail; Rail Clamps; Replacing Frogs; Uncoupling Lever Attachment. Argyle Railway Supply Co., Chicago.
Arido Dry Furnace Cement. Johns-Manville, Incorporated, New York.
Ariel Hot Air Furnaces. Enterprise Foundry Co., Rochester, N. Y.
Aries (Texaco) Lubricating Oil. The Texas Company, New York.
Arion Rubber Hose. Consolidated Rubber Co., Trenton, N. J.
Aris Carburetors. Societe Anonyme Du Carbureteur Aris, Lyons, France.
Aristo Photo Engraving Arc Lamps. Eastman Kodak Co., Rochester, N. Y.
Aristocrat Babbitt Metal. Lumen Bearing Co., Buffalo, N. Y.
Aristocrat Playing Cards. Russell Playing Card Co., New York.
Aristolite Lighting Fixtures. Conneaut Metal Works Co., Conneaut, O.
Ariston Water Closets. Thomas Maddocks Sons Co., Trenton, N. J.
Aristos Copperweld Copper Clad Steel Wire Welding Rods. Steel & Wire Co., New York.
Aristos Copperweld Copper-clad Steel Wire. Page Steel & Wire Co., Monessen, Pa.
Aristos Copperweld Welded Copper and Steel Products. Copper Clad Steel Co., Pittsburgh and Rankin, Pa.
Arjo Electric Auto Lamps. Arjo Mfg. Co., Baltimore, Md.
Ark High Speed Steel. Wm. Jessop & Sons, Inc., New York.
Ark Leather Belting. Philadelphia Belting Co., Philadelphia, Pa.
Ark Padlocks. Fraim-Slaymaker Hardware Co., Inc., Lancaster, Pa.
Arkansas Harrows. Southern Plow Co., Columbus, Ga.

Arkless Non-Renewable Indicating Fuses. Economy Fuse & Mfg. Co., Chicago.
Arkweld Goggles. Julius King Optical Co., New York.
Arlington Barrell Spray Pumps. W. & B. Douglas, Middletown, Conn.
Arlington Blotting Paper. Eaton Dikeman Co., Lee, Mass.
Arlington Boiler Compounds. Arlington Mfg. Co., Canton, O.
Arlington Dust Collector. Shreveport Blow Pipe & Sheet Iron Works, Shreveport, La.
Arlington Lavatories and Fittings. Sanitas Mfg. Co., Boston, Mass.
Arlington Mills Degras. W. L. Montgomery & Co., Boston, Mass.
Arlington Stoves. Chilson Furnace Co., Mansfield, Mass.
Arlington Swivel Plows. Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Arm and Hammer Anvils. Columbus Anvil & Forg. Co., Columbus, O
Arm and Hammer Leather Belting. W. D. Allen Mfg. Co., Chicago.
Armalac Insulating Paint. Robertson Chemical Co., Cleveland, O.
Armature Babbitt Metal. More-Jones Brass & Metal Co., St. Louis, Mo.; Pittsburgh White Metal Company, Pittsburgh, Pa.; Union Smelting & Refining Co., Newark, N. J.
Armco Culverts; Flumes and Allied Products. Armco Culvert & Flume Mfrs. Assn., Chicago.
Armco Electrical and Armature Steel Sheets Rolling Mills, Alloy Steel, Etc. Am. Rolling Mill Co., Middletown, Ohio.
Armco Ingot Iron. American Rolling Mill Co., Middletown, O.
Armco Iron Flumes. Cal. Corrugated Culvert Co., Berkeley and Los Angeles, Calif.; Hardesty Mfg. Co., Denver, Colo.
Armco Iron Welding Wire. Page Steel & Wire Co., New York.
Armco Road Culverts. Dixie Culvert & Metal Co., Atlanta, Ga.
Armco Sheet Metal Culverts. Maryland Culvert & Metal Co., Baltimore, Md.
Armco Welding Rods. Ohio Electrolytic Oxygen Co., Cincinnati, O.
Armco Welding Wire. Transportation Engineering Corp., New York.
Arminius Sulphur Ores. Grasselli Chemical Co., Arminius Mines, Mineral, Va.
Armleder Motor Trucks. The O. Armleder Co., Cincinnati, O.
Armor Building Material. Wm. Cameron & Co., Inc., Waco, Tex.
Armor Clad Filing Cabinets. Armorclad Mfg. Co., Canton, O.
Armorak Boiler Coverings. R. A. Keasby Co., New York.
Armorbond Paste Paints. James B. Sipe & Co., Bridgeville, Pa.
Armorclad Headlight. Star Head Light Co., Rochester, N. Y.
Armor-Clad Renewable Teeth Sprockets. Union Chain & Mfg. Co., Sandusky, O.
Armorcrete Concrete Hardener. National Builders Co., Cleveland, O.
Armored Inner Tires. Armored Tire Co., Chicago.
Armorflex Flexible Armored Hose. Advance Hose Mfg. Co., Philadelphia, Pa.
Armorite Roof and Metal Paint. Armstrong Paint & Varnish Wks., Inc., Chicago.
Armorplate Locomotive. Jeffrey Mfg. Co., Columbus, O.
Armor-Plate Oil Board. Diagraph Stencil Mach. Corp., St. Louis, Mo.
Armortop Concrete Hardener. Anti-Hydro Waterproofing Co., Newark, N. J.
Armortred Rubber Heels, Quabaug Rubber Co., No. Brookfield, Mass.
Armour Kitchen Saws. Cassaday Fairbank Mfg. Co., Chicago, Ill.
Armour Packing. Vulcan Asbestos Mfg. Co., Inc., New York City.
Armour Spar Varnish. R. F. Johnston Paint Co., Cincinnati, O.
Armour's Anhydrous Ammonia. Armour Ammonia Wks., Chicago, Ill.
Armour's Fertilizers. Armour Fertilizer Works, Chicago.
Armstrong Automatic Drift Drill. Armstrong Bros. Tool Co., Chicago.
Armstrong Bros. Pipe Stocks & Dies; Chain Wrenches; Pipe Vises and Pipe Cutters. Armstrong Bros. Tool Co., Chicago.
Armstrong Casters and Trucks. Armstrong Truck Co., North Wales, Pa.
Armstrong "Circle A" Rubber Heels. Armstrong Cork Co., Lancaster, Pa.
Armstrong Drilling Machinery. Armstrong Mfg. Co., Waterloo, Ia.
Armstrong Electric Table Stoves. Standard Stamping Co., Huntington, W. Va.
Armstrong Elevator Signals. Elevator Supplies Co., Hoboken, N. J.
Armstrong Grates. Armstrong Mfg. Co., Springfield, O.
Armstrong Linoleum. Armstrong Cork & Insulation Co., Pittsburgh.
Armstrong Pattern Adjustable Stocks. U. S. Brubaker & Bros., Millersburg, Pa.
Armstrong Pipe Cutters, Vises, Wrenches, Nipple Holders, Threading Machines. Armstrong Mfg. Co., Bridgeport, Conn.
Armstrong Pipe Vises. Oswego Tool Co., Oswego, N. Y.
Armstrong Shuveloder Wagonloader. Lake Superior Loader Co., Duluth, Minn.
Armstrong Steam Traps. Armstrong Machine Works, Three Rivers, Mich.
Armstrong Stocks and Dies, Pipe Cutters and Pipe Vises. Armstrong Mfg. Co., Bridgeport, Conn.
Armstrong Tool Holders, Boring, Cutting-off, Pipe Threading Tools, Lathe Dogs, Ratchet Drills & Drilling Machine Vises. Armstrong Bros. Tool Co., Chicago.
Armstrong Tool Holders, Ratchets, Wrenches, Lathe Tools and Clamps. Armstrong Bros. Tool Co., Chicago.
Armstrong Well Drilling Machinery. Armstrong Mfg. Co., Waterloo, Ia.
Armstrong's Cork Tile. Armstrong Cork & Insulation Co., Pittsburgh, Pa.
Armstrong's Mastic Finish. Armstrong Cork & Insulation Co., Pittsburgh, Pa.
Army Padlock Locks. U. S. Lock & Hardware Co., Columbia, Pa.
Army Sketching Cases. W. & L. E. Gurley, Troy, N. Y.
Army and Navy Metal Polish. Grady Mfg. Co., Astoria, N. Y.
Arno Belting, Brake Lining and Rubber Hose. Cincinnati Rubber Mfg. Co., Cincinnati, O.
Arnold Carbide Candles. Wm. Ainsworth & Sons, Denver, Colo.
Arnold Clam Shell Buckets. Quintard Iron Works Co., New York.
Arnold Electric Massage Vibrators. Arnold Elec. Co., Racine, Wis.
Arnold Ice Creepers. Ray Hubbell & Co., Northville, N. Y.
Arnold Stove Pipe Dampers. Arnold Damper, Inc., Goshen, Ind.
Arnold Valve Grinders, Hand Power Drills, Air and Tire Pumps, Portable Drilling Machines. J. N. Lapointe Co., New London, Conn.
Arnold's Draughting Inks. Tower Mfg. & Novelty Co., New York.
Arnott Pile Drivers' Hammers. Union Iron Works, Hoboken, N. J.
Aromatic Red Cedar. Geo. C. Brown & Co., Memphis, Tenn.
Aroostookaxe Axes. Dunn Edge Tool Co., Oakland, Me.
Aroostook Scythes. North Wayne Tool Co., Hallwell, Me.
Aroostook Wedge Axes. American Axe & Tool Co., Glassport, Pa.
Arora Clothes Washing Machines. Wallace B. Hart, New York.
Aroturps Solvent. Standard Oil Co., San Francisco, Cal.
Arras Cream Separators. Arras Cream Separator Co., Bluffton, O.
Arrolite Auto Signals. Arrolite Auto Signal Corp., San Francisco.
Arrolock Sockets. Arrow Electric Co., Hartford, Conn.
Arrow Aluminum Solder. Lester Co., Fayetteville, N. Y.
Arrow Angles, T Squares and Rule Clamps. Robert M. Irving, Syracuse, N. Y.
Arrow Armored Cable. Arrow Flexible Conduit Co., Inc., New York.
Arrow Ball Wicking. R. Bishop Mfg. Co., South Boston, Mass.
Arrow Barbed Wire. Keystone Steel & Wire Co., Peoria, Ill.
Arrow Boat Oars. Bayless Mfg. Co., Memphis, Tenn.
Arrow Boiler Compounds. Arrow Boiler Compound Co., St. Louis, Mo.
Arrow Brand Cotton Tie Buckles. Carnegie Steel Co., Pittsburgh, Pa.
Arrow Brand Rulers. Westcott Jewell Co., Seneca Falls, N. Y.
Arrow Cable Stringing Trolleys. Central Telephone & Elec. Co., St. Louis, Mo.
Arrow Chain Link Belting. Link Chain Co., Williamsport, Pa.
Arrow Cotton Wicking. Robt. Bishop Mfg. Co., Botson, Mass.
Arrow Electric Plug Cut Outs, Lamp Holders, Rosettes and Switches. Arrow Electric Co., Hartford, Conn.
Arrow Electric Wiring Specialties. Arrow Electric Co., Hartford, Conn.
Arrow Files. Troy File Works, Troy, N. Y.
Arrow Fire Extinguishers. M. L. Snyder & Son, Philadelphia.
Arrow Fire Hose. Empire Tire & Rubber Corp., Trenton, N. J.
Arrow Fire Hose, Rubber Hose. Johns-Manville, Inc., New York.
Arrow Grip Auto Jacks. Arrow Grip Mfg. Co., Glens Falls, N. Y.
Arrow Grip Non-Skidding Device. Arrow-Grip Mfg. Co., Glens Falls, N. Y.
Arrow Head Brooms and Brushes. Chicago Brush Mfg. Co., Chicago.
Arrow Leather Belting. Akron Belting Co., Akron, O.
Arrow Leather Belting, Flax Packing. W. D. Allen Mfg. Co., Chicago.
Arrow Leather Belts. Cotton States Belting & Sup. Co., Atlanta, Ga.
Arrow Packing. W. D. Allen Mfg. Co., Chicago, Ill.
Arrow Power Drag Scraper. L. P. Green, Chicago.
Arrow Rotary Bottle Washer & Rinser. Arrow Bottlers Machinery Co., Chicago.
Arrow Rubber Heels. Hood Rubber Products Co., Inc., Watertown, Mass.
Arrow Shade Cloth. Columbia Mills, Inc., New York.
Arrow Sockets, Switches and Wiring Devices. Arrow Electric Co., Hartford, Conn.
Arrow Spark Plugs. Reflex Ignition Co., Cleveland, O.
Arrow Steel Tanks. Novelty Steam Boiler Works Co., Baltimore, Md.
Arrow Steel Tool. John A. Crowley Co., New York.
Arrow Tools. Arrow Tools, Inc., Chicago.
Arrow T Squares. Robert M. Irving, Syracuse, N. Y.
Arrow Tee Steel Fence Posts. Am. Steel & Wire Co., Chicago, Ill.
Arrow Twenty Electric Lamp Sockets. Arrow Elec. Co., Hartford, Conn.
Arrow Wrenches. Arrow Tool Co., Buffalo, N. Y.
Arrowhead Plaster. White Star Plaster Co., Los Angeles, Calif.
Arrowhead Reclaimed Rubber. U. S. Rubber Reclaiming Works, New York.
Arrowlock Electric Sanitary Flooring. David E. Kennedy, Inc., New York.
Arsco Vulcanizing Material. A. R. Sales Co., Schenectady, N. Y.
Art Automatic Grease Cups. American Lubricator Co., Detroit, Mich.
Art-Craft Roofing. Reckitt Corp., Chicago.
Art Flat Mission Stain. W. W. Lawrence & Co., West Carson, Pittsburgh, Pa.
Art Grain Graining Compound. W. W. Lawrence & Co., West Carson, Pittsburgh, Pa.
Art Grease Cup Lubricators. American Lubricator Co., Detroit, Mich.
Art Gum Cleaner. Viscol Co., E. Cambridge, Boston, Mass.
Art Kote Sweaters. Imperial Knitting Co., Milwaukee, Wis.
Art Kraft Metallic Shingles, Steel Ceilings. Canton Metal Ceiling Co., Canton, O.
Art Light Fixtures. Hecker Electric Works, Sacramento, Calif.
Art Metal Office Furniture, Filing Cabinets and Safes. Art Metal Construction Co., Jamestown, N. Y.
Artcraft Signs. Union Iron Products Company, East Chicago, Ind.
Artcraft Stoves. Hammer-Bray Co., Oakland, Calif.
Artcrete Flower Pots. Hall Concrete Products Co., Grassland, Pa.
Arthur Clutch, Differential Grip Hoist, Etc. Arthur Co., New York.
Arthur Hump Rail Blocks. W. H. Arthur, Stamford, Conn.
Arthur James Fish Hooks. L. D. Lothrop & Son, Gloucester, Mass.
Arthur Power Saving Recorder. (For Electric Railways.) Arthur Power-Saving Recorder Co., New Haven, Conn.
Arthur Storage Batteries. Arthur Storage Battery Sup. Co., Chicago.
Arctic Automatic Grease Cups. W. D. Allen Mfg. Co., Chicago.
Arctic Electrical Motor Bearings. More-Jones Brass & Metal Co., St. Louis, Mo.
Arctic Tank Heaters. U. S. Wind Engine & Pump Co., Batavia, Ill.
Articulated Cast Manganese Crossings. The Balkwill Manganese Crossing Co., Cleveland, O.
Artillery Ball Bearing Axles. Scott R. Coppins, Princeton, Ill.
Artiscolor Crayons. New Jersey Crayon Co., Paterson, N. J.
Artista Water Colors. Binney & Smith Co., New York.
Artkraft Fixtures, Cabinets and Built-in Furniture. A. J. Uphus & Co., Seattle, Wash.
Artone Flat Finish Paints. Billings-Chapin Co., Cleveland, O.
Artpoint Mechanical Pencil. Dollar Point Pencil Corp., Los Angeles.
Artstone Garden Furniture. Architectural Decorating Co., Chicago.
Artzcraft Brooms. William A. Field, Kansas City, Mo.
Arundel Fireplace Heaters. B. C. Bibb Stove Co., Baltimore, Md.
Arundel Silo. Baltimore Cooperage Co., Baltimore, Md.
Arvac Castings. Arvac Mfg. Co., Anderson, Ind.
Arvac Universal Joints. Castings. Arvac Mfg. Co., Anderson, Ind.
As-You-Like-It Adjustable Electric Desk Lamps and Telephone Brackets. K. & B. Co., Philadelphia, Pa.
Asa Lees & Co., Bale Breakers and Revolving Cords. Firth-Smith Co., Boston, Mass.
Asbesteel Metallic Gaskets. Faul & Timmins, Buffalo, N. Y.
Asbestile Building Material. Trussed Concrete Steel Co., Detroit, Mich.
Asbestine. International Pulp Co., New York.
Asbestine Sheet Packing. Anchor Packing Co., Philadelphia, Pa.
Asbestite-Compressed Asbestos Sheet Packing. Keasbey & Mattison Co., Ambler, Pa.
Asbestocel Corrugated Paper and Insulation. Johns-Manville, Incorporated, New York City.
Asbestogard Paints Henry A. Gardner, Washington, D. C.
Asbestol Gloves and Mittens. Eisendrath Glove Co., Chicago.
Asbestolith Fire Proof. Asbestolith Mfg. Co., New York.
Asbestolith Gaskets and Packing. U. S. Asbestos Co., Lancaster, Pa.
Asbesto-Metallic Brake and Friction Clutch Blocks, Gaskets and Sheet Packing. Johns-Manville, Incorporated, New York.
Asbesto-Metallic Packing. American Steam Packing Co., Boston.
Asbestone Composition Flooring and Stucco. Franklin R. Muller & Co., Waukegan, Ill.
Asbesto-Sponge Felted Pipe Insulation, Sheets and Blocks. Johns-Manville, Incorporated, New York City.

Asbestos Asphalt Roofing. National Roofing Co., New York.
Asbestos Dover Sad Irons. The Dover Mfg. Co., Dover, Ohio.
Asbestos Flooring. Asbestolith Manufacturing Co., New York.
Asbestos Metallic Gaskets and Locomotive Lagging. Johns-Manville, Inc., New York.
Asbestos Metallic Gaskets. U. S. Asbestos Co., Lancaster, Pa.
Asbestos Ore Paints. Goheen Mfg. Co., Warren, O.
Asbestos Roofing Paints. Elliott Varnish Co., Chicago, Ill.
Asbestos Roof Putty. Johns-Manville, Incorporated, New York.
Asbestos Steel Roof and Side Wall Material. Asbestos Protected Metal Co., Pittsburgh, Pa.
Asbestoside Wall Siding. Johns-Manville, Incorporated, New York.
Asco Die Block Steel, Steel Products. Andrews Steel Co., Newport, Ky.
Asco Leather Belting. American Supply Co., Providence, R. I.
Asco Magnet Steel. Atlas Crucible Steel Co., Dunkirk, N. Y.
Aseco Oil Quenching Tanks. American Shop Equipment Co., Chicago.
Aseptico Antiseptic and Germicide. Anseptico Laboratories, Inc., Rochester, N. Y.
Asepticote Interior Flat Wall Finish Truscon Laboratories, Detroit.
Asfaltslate Shingles. Philip Carey Mfg. Co., Cincinnati, O.
Ashcroft Gauges. Manning, Maxwell & Moore, New York.
Ashcroft Planimeters. Manning Maxwell & Moore Co., Inc., New York.
Ash Grove Cement. Ash Grove Lime & Portland Cement Co., Kansas City, Mo.
Ashland Auto. Step Plates and Ford Pedal Extensions—Ashland Brass Foundry, Ashland, O.
Ashland Deep Well. F. E. Myers & Bro., Ashland, O.
Ashland Pig Iron. Am. Rolling Mill Co., Middletown, O.
Ashland Pig Iron. Ashland Iron & Mining Co., Ashland, Ky.
Ashland Pumps, Hay Tools, Door Hangers and Store Ladders. The F. E. Myers & Bros., Ashland, O.
Ashland Roller Lawn Swings, Ratchet Handle and Hand Pumps. F. E. Myers & Bro., Ashland, O.
Ashlar Anchor Bolts. Scovil Iron & Steel Co., Jersey City, N. J.
Ashley Low Water Boiler Alarms. Schaeffer & Budenberg Mfg. Co., Brooklyn, N. Y.
Ashley Steel Boiler Settings. Tomahawk Steel & Iron Works, Tomahawk, Wis.
Ashton Bubbling Fountain Valves. Ashton Valve Co., Cambridge, Mass.
Ashton Hydrostatic Sight Feed Lubricator. Walter L. Flower Company, St. Louis, Mo.
Ashton Sight Feed Lubricators. Walter L. Flower Co., St. Louis, Mo.
Ashton Valves and Gauges. The Ashton Valve Co., Boston, Mass.
Ashwell Railroad Copying Paper. Wm. Mann Co., Philadelphia, Pa.
Asphabric Brick. John Baker, Jr., New York.
Asphatoil Road Binders and Preservatives. Gulf Refining Co., Pitts.
Asphaltoilene Dust Laying Compound. Good Roads Improvement Co., Cincinnati, O.
Asphaltus Coating Paints and Roof Coating. National Roofing Co., Tonawanda, N. Y.
Aspinall's Marine Engine Governors. John Platt & Co., New York.
Aspinwall Potato Diggers and Potato Planters. Aspinwall Mfg. Co., Jackson, Mich.
Aspromet Roofing and Siding. Asbestos Protected Metal Co., Beaver Falls, Pa.
Assayers Drug Grinding Mills. Wilson Bros., Easton, Pa.
Associated Gasoline and Kerosene Engine. Associated Mfrs. Co., Waterloo, Ia.
Association Lantern. Williams, Brown & Earle, Inc., Philadelphia, Pa.
Association Ticket Paper. Geo. La Monte & Son, New York.
Asteroid Asphalt Roofing. Scott Roofing & Mfg. Co., Cincinnati, O.
Astor Gas Heaters, Radiators, Hot Air Furnaces and Stoves. Union Stove Works, New York.
Astor Franklin Fireplace Heaters. Union Stove Works, New York.
Astra Batteries. Astra Electric Novelty Works, New York.
Astra Cutting Oil. Seydel Chemical Co., New York.
Astra Dry Colors, Red and White Lead and Zinc. Charles A. Hansen, New York.
Astral Cylinder Oil. D. A. Stuart & Co., Chicago.
Asylum Baths. Crane Co., Chicago, Ill.
At-Ease Foot Rests. Western Brass Mfg. Works, Chicago, Ill.
Atalatri Paint. Charles A. Hansen, New York.
Atco Motor Trucks and Trailers. Amer. Truck and Trailer Corp., Kankakee, Ill.
Atco Paints and Varnishes. Atlantic Drier & Varnish Co., Philadelphia, Pa.
Athermost Refrigerators. Gurney Refrigerator Co., Fond du Lac, Wis.
Athey Cloth-Lined Metal Weather Strip. Athey Co., Chicago.
Atholeather Auto Top Cloth. Athol Mfg. Co., Athol, Mass.
Athol Jewelers' Vises. Athol Mach. & Fdry. Co., Athol, Mass.
Athol-Starrett Vises. Athol Machine & Fdry. Co., Athol, Mass.
Atite Valves. Engineers Specialties Co., Chicago.
Atkins Classifiers. Colorado Iron Works Co., Denver, Colo.
Atkins Non-Breakable Hack Saw Blades; Silver Steel Saws; Machine Knives. E. C. Atkins & Co., Indianapolis, Ind.
Atkins Saws. E. C. Atkins & Co., Indianapolis, Ind.
Atkins Slime Classifiers. Colorado Iron Works Co., Denver, Colo.
Atkinson-Morse Destructor Furnace. Atkinson-Morse Destructor Co., New York.
At-Lac Varnish Stains. Atlastic Paint Mfg. Co., Minneapolis, Minn.
Atlanta Asphalt Products. The Atlantic Refining Co., Philadelphia, Pa
Atlanta Bench Grinders. A. A. Wood & Sons Co., Atlanta, Ga.
Atlanta Paint Oil. Charles A. Hause, New York.
Atlantic Bagties. Atlantic Jute Mills, Norfolk, Va.
Atlantic Belt Dressing. Atlantic Mfg. Co., Wilmington, Del.
Atlantic Belting. Schwartz Belting Co., New York.
Atlantic Belting, Hose, Packing and Valve Gum. Quaker City Rubber Co., Philadelphia, Pa.
Atlantic Cans, Tin Dairy Pails, Refrigerator Pans and Water Pots. Atlantic Stamping Co., Rochester, N. Y.
Atlantic Hose. The Diamond Rubber Co., Inc., Akron, O.
Atlantic Leather Belting. Schwartz Belting Co., New York.
Atlantic Oil Cans. Atlantic Stamping Co.. Rochester, N. Y.
Atlantic Packing. A. W. Chesterton Co., Boston, Mass.; Cancos Mfg. Co., Philadelphia, Pa.
Atlantic Paving Materials. Atlantic Refining Co., Philadelphia, Pa.
Atlantic Pumps. Waldo Bros. & Bond Co., Boston, Mass.
Atlantic Red Engine Oil. Standard Oil Co. of Ohio, Cleveland, O.
Atlantic Rubber Hose and Belting. Quaker City Rubber Co., Philadelphia, Pa.
Atlantic Rust Preventive, Kerosene Oil, Wax and Candles. Atlantic Refining Co., Philadelphia, Pa.
Atlantic Shingle Stains. Atlantic Paint Co., Cleveland, O.
Atlantic Ship, Oyster House and Caboose Stoves. A Weiskittel & Son Co., Baltimore, Md.
Atlantic Steam Shovels. Bucyrus Co., South Milwaukee, Wis.
Atlantic Terra Cotta. Atlantic Terra Cotta Co., New York.
Atlantic Turpentine Substitute. Atlantic Rfg. Co., Philadelphia, Pa.
Atlantic Type Boiler Feed Pumps. Dean Bros. Steam Pump Works, Indianapolis, Ind.
Atlas A Chemical Weed Killer. Chipman Chemical Engng. Co., New York.
Atlas A Weed Killer and Track Preservative. Chipman Chemical Engineering Co., New York.
Atlas Babbitt Metal. Pacific Metal Wks., San Francisco, Cal.
Atlas Balata Belting. Wm. Etsweiler, Philadelphia, Pa.
Atlas Balls. Atlas Ball Co., Philadelphia, Pa.
Atlas Belt and Hose. Gustin-Bacon Manufacturing Co., Kansas City, Mo.
Atlas Belting. Acme Belting Co., Niles, Mich.
Atlas Blasting Machines. Star Electric Fuse Wks., Wilkes-Barre, Pa.
Atlas Bronze Metal Bearings and Water and Oil Circulating Pumps for Autos. Atlas Brass Foundry Co., Columbus, O.
Atlas Boilers. Bramhall Deane Co., New York.
Atlas Car Movers or Pushers. Appleton Car Mover Co., Appleton, Wis.
Atlas Car Movers, Rail Joints and Track Rail Grinders. Atlas Railway Supply Co., Dept. H, Chicago, Ill.
Atlas Carry-All Overhead Conveying System. Dries & Krump Mfg. Co., Chicago.
Atlas Cement. Atlas Portland Cement Co., New York.
Atlas Choke Coils. Am. Radio Sales & Service Co., Mansfield, O.
Atlas Closets. Crane Co., Chicago, Ill.
Atlas Concrete Mixers; Belt Conveyors; Bucket and Chain Conveyors; Wagon Loaders. Atlas Engineering Co., Milwaukee, Wis.
Atlas Corn Brooms. Universal Broom Co., Dept. H, Chattanooga, Tenn.
Atlas Disinfectants, Cattle Dip and Wood Preservative. Chipman Chemical Engineering Co., Inc., New York.
Atlas Double Extra Carbon Tool Steel. Atlas Steel Corp., Dunkirk, N. Y.
Atlas Double Extra Tool Steel. Atlas Steel Corp., Dunkirk, N. Y.
Atlas Dry Hoppers. Railway Curtain Co., Chicago.
Atlas E Boiler Compounds. Chipman Chemical Engng. Co., New York.
Atlas Electric Products. Multiple Electric Products Co., Inc., New York.
Atlas Elevator Boots. Link-Belt Co., Chicago, Ill.
Atlas Engine Bolt Iron. Pittsburgh Forge & Iron Co., Pittsburgh, Pa.
Atlas Explosives, Farm Powder, Non-Freezing Powder, Coalite, Extra Dynamite, Forcite Gelatin, Quarry Powders, Giant Powder and Blasting Supplies. Atlas Powder Co., Wilmington, Del.
Atlas E. Z. Seal Fruit Jars. Hazel Atlas Glass Co., Dept. H, Wheeling, W. Va.
Atlas Fabric Specialties. Atlas Specialty Mfg. Co., Chicago.
Atlas Farm Powder. Atlas Powder Co., Wilmington, Del.
Atlas 50% Cresol Compound. Chipman Chemical Engineering Co., Inc., New York.
Atlas Fire Extinguishers. Northern Fire Apparatus Co., Minneapolis, Minn.
Atlas Fly Killers. Atlas Mfg. Co., New Haven, Conn.
Atlas Full Diesel Type Engines. Atlas Imperial Engine Co., Oakland, Cal.
Atlas Fuse. Multiplex Fuse Corp., New York.
Atlas Garage Presses. Atlas Press Co., Kalamazoo, Mich.
Atlas Gasoline Engine. San Antonio Machine & Supply Co., Dept. H, San Antonio, Tex.
Atlas Grease Cup. The Lunkenheimer Co., Cincinnati, O.
Atlas Hair Pickers. Curtis & Mable Machine Co., Worcester, Mass.
Atlas Hot Die Steel and Chrome Die Steel. Atlas Steel Corp., Dunkirk, N. Y.
Atlas Hot Die and Special Alloy Steel. Atlas Crucible Steel Co., Dunkirk, N. Y.
Atlas House Raising Jacks. McKiernan Terry Drill Co., New York.
Atlas Improved Plow Steel Rope. Fischer & Hayes Rope & Steel Co., Chicago, Ill.
Atlas Insulating Paper. Keystone Roofing Mfg. Co., York, Pa.
Atlas Jacks. McKiernan-Terry Drill Co., New York.
Atlas Junior Dial Gauges. Atlas Indicator Works, Chicago, Ill.
Atlas Life Saving Nets. S. F. Hayward & Co., New York.
Atlas Locusticide. Chipman Chemical Engineering Co., Inc., New York.
Atlas Lubricating Oils and Greases. Swan & Finch Co., New York.
Atlas Metal File Boxes. Wm. J. Kennedy Stationery Co., St. Louis, Mo.
Atlas Mills. C. S. Bell Co., Hillsboro, O.
Atlas Mine and Smelter Cars, and Electric Locomotives. The Atlas Car & Mfg. Co., Cleveland, O.
Atlas Motor Bus Rear Axles and Wheels. Atlas Axle Co., Wilmington, Del.
Atlas Motor Trucks. Atlas Truck Corp., York, Pa.
Atlas Oils and Greases. Swan & Finch Co., New York.
Atlas Paints. Atlas Paint Co., Nashville, Tenn.
Atlas Portland Cements. Atlas Portland Cement Co., New York City.
Atlas Post Caps. A. M. Castle & Co., Chicago, Ill.
Atlas Post Caps and Bases. Emil W. Ritter Co., Chicago, Ill.
Atlas Post Hole Diggers. Columbus Handle & Tool Co., Columbus, Ind.; Seymour Mfg. Co., Seymour, Ind.
Atlas Powder and Non-Freezing Explosives. Atlas Powder Co., Wilmington, Del.
Atlas Pressure Regulators. Hall Mfg. Co., Harrison, N. J.
Atlas Primer and Surfacer. Atlas Railway Supply Co., Chicago.
Atlas Pump Governors. Atlas Valve Company, Newark, N. J.
Atlas Rail Braces, Rail Joints, Tie Plates, Rail Grinders, Compromise Joints and Insulated Joints. Atlas Railway Supply Co., Chicago.
Atlas Rail Grinders. Railway Track-work Co., Philadelphia, Pa.
Atlas Ruskilla Paint. Chipman Chem. Eng. Co., New York.
Atlas Rustproofing Solution. Chipman Chemical Engineering Co., Inc., New York.
Atlas Safety Guard and Third Point Support. American Steel Foundries, Chicago.
Atlas Screw Anchor. Star Expansion Bolt Co., New York.
Atlas S Hide and Skin Preservative. Chipman Chemical Engng. Co,. New York.
Atlas Shears. Atlas Shear Co., Bridgeport, Conn.
Atlas Special Staybolt Iron. Pittsburgh Forge & Iron Co., Pittsburgh, Pa.
Atlas Stainless Steel. Atlas Steel Corp., Dunkirk, N. Y.
Atlas Steel Balls. Atlas Ball Co., Philadelphia, Pa.
Atlas Steel Castings. Atlas Steel Castings Co., Buffalo, N. Y.
Atlas Steel Tracks. Follansbee Bros. Co., Pittsburgh, Pa.
Atlas Stump Puller. Bacon & Matheson Forge Co., Seattle, Wash.
Atlas Sugar Cane Mills. C. S. Bell Co., Hillsboro, O.
Atlas Sugar Cloth Bags. Atlantic Jute Mills, Norfolk, Va.
Atlas Tire Air Pumps. Bridgeport Brass Co., Bridgeport, Conn.
Atlas Trucks. Martin Truck & Body Corp., York, Pa.

Atlas Up and D Wood Preservative. Chipman Chemical Engng. Co., New York.
Atlas Valves. Atlas Valve Company, Newark, N. J.
Atlas Water Heaters. Mustee Water Heater Co. Corp., Toledo, O.
Atlas Water Supply System. Deming Co., Salem, O.
Atlas Weather Strips. D. W. Bosley Co., Chicago, Ill.
Atlas White Cement. Atlas Portland Cement Co., New York.
Atlas Wire Rope. Fischer & Hayes Rope & Steel Co., Chicago.
Atlas Wood Preservative and Fireproofer. Chipman Chemical Engineering Co., Inc., New York.
Atlasol. Chipman Chemical Engineering Co., Inc., New York.
At Last Clothes Washing Machines. At Last Washer Co., Perry, Ia.
Atlastic Enamels, Paints and Stains. Atlastic Paint Mfg. Co., Minneapolis, Minn.
Atlo Closets. Crane Co., Chicago, Ill.
Atmo Automatic Fire Alarm and Signaling Devices. Atmo Signal Corp., Nutley, N. J.
Atmos Gas Masks. American Atmos Corp., New York.
Atomist Hand Potato Sprayers. Harry Bros. Mfg. Co., Detroit, Mich.
At-Tach It Mailing and Catalog Envelopes. Frank G. Shuman Co., Chicago, Ill.
Attacho Battery Jumpers and Attachment Plugs. Mueller Electric Co., Cleveland, O.
Attalite Commercial Lighting Units; Kitchen Lighting Units. Central Electric Company, Chicago.
Atterbury Motor Trucks. Atterbury Motor Car Co., Buffalo, N. Y.
Attorney Carbon Paper. Non-Smut Carbon Mfg. Co., Rochester, N. Y.
Attos Step Ladders. Superior Ladder Co., Goshen, Conn.
Atwater Kent Ignition, Radio Variometers, Vario Couplers, and Transformers. Atwater Kent Mfg. Works, Philadelphia, Pa.
Atwood Box Hinges. Stanley Works, New Britain, Conn.
Atwood Pipe Joints and Tuyere Cocks. Pittsburgh Valve, Foundry & Construction Co., Pittsburgh, Pa.
Atwood Vacuum Cleaners. Atwood Vacuum Cleaner Co., Rockford, Ill. I. A. Bennett Co., Chicago.
Au Tra Kar Section Cars. Railway Specialty Co., Atchison, Kan.
Auburn Ball Bearings. Auburn Ball Bearing Co., Rochester, N. Y.
Auburn Beauty-Six Automobile Builders. Auburn Automobile Co., Auburn, Ind.
Auburn Light Six Automobiles. Auburn Automobile Co., Auburn, Ind.
Auburn Mica Plugs. New York Mica & Mfg. Co., Auburn, N. Y.
Auburn Porcelain Plugs. Auburn Ignition Mfg. Co., Auburn, N. Y.
Auburn Porcelain Spark Plugs. New York Mica & Mfg. Co., Inc., Auburn, N. Y.
Auburn Wagons. Auburn Wagon Co., Martinsburg, W. Va.
Audemaier Binoculars. Spencer Optical Mfg. Co., New York.
Audiffren Air Cleaners, Drinking Water Systems, Ice Refrigeration and Compressed Air Drying Machinery. Audiffren Refrigerating Machine Co., New York.
Audiffren-Singrun Refrigerating Machine. Audiffren Refrigerating Machine Co., New York.
Auditor Pencils. Eagle Pencil Company, New York.
Audubon Poultry Fountains. Casey-Hedges Co., Chattanooga, Tenn.
Audubon Wire Cloth, Screening, Sieves, Etc. Audubon Wire Cloth Co., Inc., Audubon, N. J.
Audubon Combination Whit-Paste Form. Campbell Glass & Paint Co., St. Louis, Mo.
Auglaize Gas Engines. Muncie Gas Engine & Supply Co., Muncie, Ind.
Augmore Water Heaters. Sand Mfg. Co., Cleveland, O.
Augustine Rotary Engines. Augustine Automatic Rotary Engine Co., Buffalo, N. Y.
Auk Water, Steam and Oil Proof Leather Belting. The Buckeye Belting & Supply Co., Cleveland, O.
Auld Co. Pressure Reducing Valves. Schutte & Koerting Co., Phila.
Aultman & Taylor Water Tube Boilers. The Babcock & Wilcox Co., New York, N. Y.
Aultman Pumps. T. G. Aultman Steam Pump Works, Fairmont, W. Va.
Aunt Dinah's Sink Strainer. Washburn Co. (Andrews Division), Rockford, Ill.
Anograph Paint Spraying Machine. International Engng. Co., 42 Exchange, Maiden, Mass.
Aurand Commutator Slotter. The Martindale Electric Co., Cleveland.
Aurora Blue Printing Machines. Williams, Brown & Earle, Inc., Philadelphia, Pa.
Aurora Brand Carbon Paper and Typewriter Ribbons. Miller-Bryant-Pierce Co., Aurora, Ill.
Aurora Brass Wheel Dater. R. A. Stewart & Co., New York.
Aurora Cupola Ventilators. Messenger & Parks Mfg. Co., Aurora, Ill.
Aurora Dinner Pails. National Enameling & Stamping Co., New York.
Aurora Drilling Machines. Aurora Tool Works, Aurora, Ind.
Aurora Dumping Wagons. Western Wheeled Scraper Co., Aurora, Ill.
Aurora Glass Shades. Consolidated Lamp & Glass Co., Coropolis, Pa.
Aurora Lubricating Oils & Greases. Pigot, Sayre Co., New York.
Aurora Motor Car. Aurora Motor Car Co., Aurora, Ill.
Aurora Oils and Greases. Pigot Sayre & Co., New York City.
Aurora Paper. Williams, Brown & Earle, Inc., Philadelphia, Pa.
Aurora Red Sheet Packing. General Asbestos & Rubber Co., Charlestown, S. C.
Aurora Rock Crushers. Western Wheeled Scraper Co., Aurora, Ill.
Aurora Rubber Hose. National India Rubber Co., Bristol, R. I.
Aurora Rural Mail Boxes. Geo. E. Roesch, Aurora, Ill.
Aurora Steel Filing Cabinets. Aurora Metal Cabinet Works, Aurora, Ill.
Aurora Steel Tanks. Steel Tank & Products Corp., Chicago.
Ausable Horse Nails. Ausable Essex Horse Nail Co., Keeseville, N. Y.
Ausco Concrete Mixers. W. E. Austin Machinery Co., Atlanta, Ga.
Aus-Per-Ite. Perry-Austen Mfg. Co., Staten Island, N. Y.
Austin Air Pumps. Homer F. Livermore, Boston.
Austin Asphalt Mixer, Paving Mixer, Road Tamper, Drag Line Excavator, Drainage Excavator, Trench Excavator, Car Unloader and Portable Crane. Austin Machinery Corp., Chicago.
Austin Contractors' Machinery. Austin Machinery Corp., Chicago.
Austin Drainage Excavators. Austin Machinery Corp., Toledo, Ohio.
Austin Locomotive Sanders. United States Metallic Packing Co., Phila.
Austin Oil Separators. Wright-Austin Co., Detroit.
Austin Pipe Organs. Austin Organ Co., Hartford, Conn.
Austin Road Machinery. Austin Mfg. Co., Chicago.
Austin Standard Buildings. The Austin Co., Cleveland, O.
Austin Steam and Oil Separators. Austin Separator Co., Detroit, Mich.
Austin Wagon Loader, Gasoline Locomotives. Austin Machinery Corp., Chicago.
Austin-Western Road Machinery. Austin-Western Road Machinery Co., Chicago.
Australian Lawn Sprinklers. W. D. Allen Mfg. Co., Chicago.
Autavent Float Valves. Pierce, Butler & Pierce Mfg. Corp., New York.
Autex Automatic Extension Cord Reel. Cincinnati Specialty Mfg. Co., Cincinnati, Ohio.
Au-to Air Compressors. Au-To Compressor Co., Wilmington, O.
Auto Anti-Skid Shoes. Auto Anti-Skid Shoe Mfg. Co., New York.
Auto Automobile Locks & Padlocks. E. T. Fraim Lock Co., Lancaster, Pa.
Auto Block Signal. Auto Block Signal Co., Chicago.
Auto Bottle Cappers. Creamery Package Mfg. Co., Chicago.
Auto Cleaner Garden Rakes. G. A. Swineford Co., Canton, Ohio.
Auto Cle Wrenches. Frank Mossberg Co., Attleboro, Mass.
Auto Crane Portable Clam Shell Tractors & Car Unloaders. John F. Byers Machine Co., Ravenna, Ohio.
Auto De Luxe Player Piano Actions. Auto Pneumatic Action Co., New York.
Auto-Flux Solder Strips. I. Stern & Co., New York.
Auto Force Ventilating Apparatus. B. F. Sturtevant Co., Hyde Park, Mass.
Auto Gas Burners. American Lava Co., Chattanooga, Tenn. J. Bruce Carroll, Chicago.
Auto Glo Polish. B. Heller & Co., Chicago.
Auto Goggles, Safety Glasses and Eye Protectors. American Thermo Ware Co., New York City.
Auto Home Passenger Bodies. Wm. Norrington, Fell & Gough, San Francisco.
Auto-Hot Gas Garage Heaters. Kanneberg Roofing & Ceiling Co., Canton, Ohio.
Auto-Kemclo Chemical Closets. Automatic Chemical Closet Co., Minneapolis.
Auto King Automobile Oil Soap. National Soap Co., Detroit.
Auto-Kit Tape. Westinghouse Electric & Mfg. Co., E. Pittsburgh, Pa.
Auto Kure Medical Batteries. J. H. Bunnell & Co., New York.
Auto Liquid Veneer. Buffalo Specialty Co., Buffalo, N. Y.
Auto Lite Auto Electric Lighting Systems. Electric Auto-Lite Co., Toledo, O.
Auto-Lub Logging Block. Lidgerwood Mfg. Co., New York.
Auto Positive Boiler Injectors, Engine Lubricants. Penberthy Injector Co., Detroit.
Auto Queen Wrenches. C. M. B. Wrench Co., Garwood, N. J.
Auto Silent Water Closets. Gaylord Sanitary Mfg. Co., El Dorado, Kas.
Auto Vacuum Ice Cream Freezers. Auto Vacuum Freezer Co., New York.
Auto Parts Chrome Nickel Steel and 3-½ Nickel Steel. La Salle Steel Co., Chicago.
Auto Rubber Packing. Osgood Sayen, Philadelphia, Pa.
Auto Scope Windshield Wipers. White Products Co., Chicago.
Auto-Sharp Pencils. New Diamond Point Pen Co., New York.
Auto Sparker Gas and Gasoline Engine Igniters. Motsinger Device Mfg. Co., Lafayette, Ind.
Auto Utility Desks. Automatic File & Index Co., Green Bay, Wis.
Auto-Wheel Coaster Wagons. Auto-Wheel Coaster Co., Inc., North Tonawanda, N. Y.
Autolub Block. Lidgerwood Mfg. Co., New York.
Automat Endorser. Mail-O-Meter Co., Detroit, Mich.
Autobestos Brake Lining. Keasbey & Mattison Co., Ambler, Pa.
Autobestos-Brake Band Lining and Clutch Facings. Keasbey & Mattison Co., Ambler, Pa.
Autocar Motor Trucks. The Autocar Co., Ardmore, Pa.
Autochime Whistles. Wilcox, Crittenden & Co., Middletown, Conn.
Autoclave Steam Presses Sterilizers. National Appliance Co., Portland, Ore.
Autoclave Sterilizers. Castle, Wilmot Co., Rochester, N. Y.
Autocrat Binoculars. American Thermo Ware Co., New York.
Autocrat Bushing Bronze. United American Metals Corp., Brooklyn, N. Y.
Autocrat Dry Cell Batteries. Stackpole Carbon Co., St. Marys, Pa.
Autocrat Furniture Polish. Republic Chemical Products Co., Chicago.
Autocrat Motor Oil. Bayerson Oil Works, Erie, Pa.
Autocrat Safety Glasses. American Thermo Ware Co., New York City.
Autodraft Heater Draft Control. Grant Sales Co., New York.
Autoduct and Flexible Loom Conduit. American Circular Loom Co., Boston, Mass.
Autoforce Car Ventilators. Autoforce Ventilating System, Boston.
Autoforce Ventilators. Autoforce Ventilating System, Boston.
Autoglos Polish. James R. Beamer, Detroit, Mich.
Autograph Lead Pencils. American Lead Pencil Co., New York.
Autograph Trolley Wheel and Harp. Traction Appliance Co., Vincennes, Ind.
Autographic Writing Register. The Globe Register Co., Cincinnati, O.
Autoline Oils and Greases. Wm. C. Robinson & Son Co., Baltimore, Md.
Autoloc Padlocks. Fraim-Slaymaker Hdwe. Co., Inc., Lancaster, Pa.
Automa Ticket—Ticket Selling Machines. Automatic Ticket Selling & Cash Register Co., New York.
Automah Dies, Gages, Jigs, Snap Fastener Tools, Special Machinery. Automah Tool Works, New York.
Automat Butter Molding Machines. Automatic Molding & Folding Co., Toledo, O.
Automat Check Endorser. Mailometer Co., Detroit, Mich.
Automat Fountain and Stylographic Pens. Stanford Pen Co., Inc., Brooklyn, N. Y.
Automatic Adding Machine. American Bookkeeping Register Co., Kansas City, Mo.
Automatic Aluminum Heels. Automatic Aluminum Heels Co., Boston, Mass.
Automatic Boiler Injectors, Engine Lubricants. Penberthy Injector Co., Detroit, Mich.
Automatic Can Makers' Machinery. Chas. Stecher Co., Chicago.
Automatic Clamps. Samuel C. Tatum & Co., Cincinnati, O.
Automatic Deodorizing Machine. West Disinfecting Co., New York.
Automatic Electrical Device Charging Apparatus,Trucks, Tractors and Trailers. Transportation Engineering Corp., New York.
Automatic Electric Storage Battery Industrial Trucks, Tractors, Locomotives. The Automatic Transportation Co., Inc., Buffalo, N. Y.
Automatic Evercold Refrigerating Machines. Automatic Carbonic Machine Co., Peoria, Ill.
Automatic Expanding Files. Automatic File & Index Co., Green Bay, Wis. Franklin Filing Supply Co., New York.
Automatic Fire Extinguishers. Geo. W. Diener Mfg. Co., Chicago.
Automatic Flue Blower. A. S. Dillon Automatic Flue Blower Co., Kansas City, Mo.
Automatic Hand Power Washing Machines. Boss Washing Machine Co., Cincinnati, O.
Automatic Heaters. Pittsburgh Water Heater Co., Pittsburgh, Pa.
Automatic Ice Cream Frezer. Treman King & Co., Ithaca, N. Y.
Automatic Incubators and Brooders. Automatic Incubator Co., Inc., Delaware, O.
Automatic Lawn Mowers. Blair Mfg. Co., Springfield, Mass.
Automatic Metal Furnaces. Wood & Nathan Co., New York.
Automatic Needle Valve. Oil and Grease Cup Lubricators. D. T. Williams Valve Co., Cincinnati, O.

Automatic Oil Separators. Automatic Refrigerator Co., Hartford, Conn.
Automatic Paint Spraying Machine. International Engng. Co., Malden, Mass.
Automatic Pipe Bending Machinery. Buffalo Forge Co., Buffalo, N. Y.
Automatic Power Spray Pumps. The F. E. Myers & Bro., Ashland, O.
Automatic Reclosing Circuit Breakers. The Automatic Reclosing Circuit Breaking Co., Columbus, O.
Automatic Relief and Drain Valves. Triumph Valve Mfg. Co., Mansfield, O.
Automatic Safety Mine Car Cager. The Mining Safety Device Co., Bowerston, O.
Automatic Sealing Burial Vaults. Automatic Sealing Vault Co., Peru, Ind.
Automatic Threading Lathes. Automatic Mach. Co., Bridgeport, Conn.
Automatic Time Stamps and Recorders. Automatic Time Stamp Co., Boston, Mass.
Automatic Vacuum Valves. Illinois Engineering Co., Chicago.
Automatic Ventilators. Automatic Ventilator Co., Baltimore, Md.
Automatic Wire Straightener & Cutter. The F. B. Shuster Co., New Haven, Conn.
Automobile Aluminum and Manganese Bronze Castings: Bearing Metal. Sight Mfg. & Foundry Co., Pottstown, Pa.
Automobile Crucible Steel. Perkins Steel Co., Inc., New York.
Automobile Drop Forgings. Ladish-Obenberger Co., Cudahy, Wis.
Automod Steam Heating Apparatus. Warren Webster & Co., Camden, N. J.
Automotive Farm Tractors. Automotive Corp., Toledo, O.
Autonamel Enamel. Carson E. Jarvis, Rochester, N. Y.
Autoped Engines. Auto-Ped Co. of America, Long Island City, N. Y.
Autopen Fountain and Stylographic Pens. Sanford Pen Co., Inc., Brooklyn, N. Y.
Autophone Automatic Telephones. S. W. Couch Co., Norfolk Downs, Mass.
Auto-Phone Private Branch Exchanges. Automatic Elec. Co., Chicago.
Autophone System, Automatic Private Telephone Exchange. S. H. Couch Company, Inc., Norfolk Downs, Mass.
Auto-Piler Piling Machines. Standard Conveyor Co., N. St. Paul, Minn.
Autopoint Magazine Pencils. Autopoint Company, Chicago.
Autopow Power Transmission Attachments. Autopower Co., Detroit Mich.
Autorad Steam Heating Apparatus. Warren Webster & Co., Camden, N. J.
Autosan Dish & Silver Cleaning Machine. Colt's Patent Fire Arms Mfg. Co., Hartford, Conn.
Autoscope Automobile Mirrors. E. A. Whitehouse Mfg. Co., Newark, N. J.
Auto-Seal Tire Fixing Compound. National Chemical Co., Chicago.
Autoset Plumet Adjuster. The Autoset Co., Washington, D. C.
Auto-Sheen Polish. Haskell & Vaughan, Worcester, Mass.
Auto-Shine Metal Polish. J. C. Paul & Co., Mfrs., Chicago.
Auto-Spray Pumps and Paint Spraying Machines. E. C. Brown Co., Rochester, N. Y.
Autostat Water Temperature Meters. A. E. Moeller, Brooklyn, N. Y.
Autosteelflex Conduits. Carburetor Tubing and Exhaust Tubing. National Metal Molding Co., Pittsburgh, Pa.
Auto-Sweeper. Elgin Street Sweeper Co., Elgin, Ill.
Auto-Tite Flexible Pipe Joints and Joint Couplings. International Couplers Co., Pittsburgh, Pa.
Autovalve Lightning Arresters. Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
Autovent Ventilating Apparatus. Autovent Fan & Blower Co., Chicago.
Autowater Water System. The Goulds Mfg. Co., Seneca Falls, N. Y.
Auto-Wheel Coaster Wagons. Auto-Wheel Coaster Co., Inc., North Tonawanda, N. Y.
Auxiliary Lubricators. Lunkenhemier Co., Beekman & Waverly, Cincinnati, O.
Auxiliator Humidifiers. Esta Water Auxiliator Co., Inc., New York.
Aventurine Tiles. American Encaustic Tiling Co., New York.
Averbeck Shaping Machines. Steel Products Engng. Co., Springfield, O.
Avery Agricultural Implements, Pea Hullers, Self-feeders and Band Cutters for Threshers, Traction Engine Gang Plows, Motor Trucks and Tractors. Avery Co., Peoria, Ill.
Avery Automatic Scales. Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Avery Cultivators, Harrows, Potato Diggers, & Farm Tractors. B. F. Avery & Sons, Dept. H., Louisville.
Avery Lamps. Generators, Acetylene Car Lighting. Dayton Mfg. Co. Dayton, O.
Avery Motor Trucks. Avery Co., Peoria, Ill.
Avery Sensitive, Ball Bearing, Single and Multiple Spindle Drilling Machines. Avery Drilling Machine Co., Cincinnati.
Avery's Improved Fertilizer Distributors. B. F. Avery & Sons, Louisville.
Avey Ball Bearing Drilling Machines. Cincinnati Pulley Machinery Co., Cincinnati, O.
Aviation Pencils. Koh-I-Noor Pencil Co., New York.
Aviator Sewing Machines. Free Sewing Machine Co., Rockford, Ill.
Avis Sanitary Fly Traps. Avis Hardware Co., Pomona, Cal.
Avolyn Drinking Fountains. Crane Co., Chicago.
Avon Ironing Boards. S. J. Eisenman, New York.
Avon Semi Tar Board. C. B. Hewitt & Bros., Inc., New York.
Avon Stoves. Union Stove Works, New York.
Avon Syphon Action Water Closets. Central Metal & Supply Co., Baltimore, Md.
Away From The Wall Pipe Hangers. Ira G. Lane Co., New York.
Awebco Tapes and Webbings. Anchor Webbing Co., Pawtucket, R. I.
Awl-In-One Plows. Gantt Mfg. Co., Macon, Ga.
Axel-Light Belting. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Axelson Grinders, Lathes, Oil Well Pumps, Sucker Rods and Fittings Axelson Machine Co., Los Angeles, Cal.
Axelson Sucker Rods, Pumps, Tathes & Oil Well Fittings. Axelson Machine Co., Los Angeles.
Axel Switch Stands. Pettibone Mulliken & Co., Chicago.
Axiom Dynamo Belting. Schwartz Belting Co., New York.
Axiom Extra Heavy Belting. Schwartz Belting Co., New York.
Axiom Heavy Belting. Schwartz Belting Co., New York.
Axiom Leather Belting. Schwartz Belting Co., New York.
Axiom Rules. Irving Mfg. & Tool Co., New York.
Axonetat Car Lighting Belts. Victor Balata & Textile Belting Co., New York.
Axtell All Metal Weather Strips. E. I. Church & Co., West Hanover, Mass.
Axwell Spark Plugs. Axwell Equipment Co., Pittsburgh.
Ayers Peanut Planters. J. R. Ayers, Petersburg, Va.
Azak Solid Woven Belting. Carton Belting Co., Boston, Mass.
Azalea Anti-Friction Metals. J. Rogers Flannery & Co., Pittsburgh, Pa.
Azo Zinc Oxides. American Zinc, Lead & Smelting Co., Boston, Mass.
Azor Electric Washing Machine Motors. Azor Motor Mfg. Co., The, Cleveland.
Azora Air Cushions and Twirlers Rings for Typewriters. Azora Rubber Co., Cicero, Ill.
Aztec Asphalt. The United State Asphalt Rfg. Co., New York.
Aztec Electric Lamp Posts. Casey-Hedges Co., Chattanooga, Tenn.
Aztec Graphite Paints. Lincoln Paint & Color Co., Lincoln, Neb.
Aztec Oil Tanks and Pumps. A. C. Kraft, Chicago.
Aztec Road Binders. U. S. Asphalt Refining Co., New York.
Azure Kitchen Enameled Ware. Belmont Stamping & Enameling, New Phila., Ohio.

B

B.-A. Co. Blowoff Cocks & Washout Plugs. Bird-Archer Co., New York.
B. Cotton Twine. Estes Mills, Fall River, Mass.
B. Feed Grinding Mills. Duplex Mfg. Co., Superior, Wis.
B. Fire Resisting Cements. Howard Co., New Haven, Conn.
B. Photometers. American Meter Co., Philadelphia.
B. B. Asphaltum Asphalt Ready Roofing. Asphalt Ready Roofing Co., New York City.
B. B. Ball Cocks. Boston Brass Co., Boston, Mass.
BB (Better Built) Overalls, Work Shirts, Combination Suits, Pants. Textile Products Mfg. Co., St. Louis, Mo.
B. B. Clothes Washing Machines. H. F. Brammer Mfg. Co., Davenport, Ia.
B. B. Coil Chains. Columbus McKinnon Chain Co., Columbus, Ohio.
B. B. Coil Chains. United States Chain & Forging Co., Pittsburgh.
B. B. Conductor Hooks and Cutter Hangers. Berger Bros. Co., Philadelphia, Pa.
B. B. Copper Ingots. Balbach Smelting & Refining Co., Newark, N. J.
B. B. Crushers. Chalmers-Williams Mfg. Co., Chicago Heights, Ill.
B. B. Damper Clips. Berger Bros. Co., Philadelphia.
B. B. Dusters, Dustless Dust Cloths, Cotton and Dustless Mops, Floor Sweeping Brushes, Etc. Milton Chemical Co., Cambridge, Mass.
B. B. Expanded Metal Lath. Berger Mfg. Co., Canton, Ohio.
B. B. Expansion Bolts. Star Expansion Bolt Co., New York.
B. B. Hoists and Winches. W. Lewis Bell, San Francisco.
B. B. Plumbing Specialties. Boston Brass Co., Waltham, Mass.
B. B. Portable Hot Air Furnaces. B. C. Bibb Stove Co., Baltimore, Md.
BB Proof-Coil. U. S. Chain & Forging Co., Pittsburgh, Pa.
B-B Pumps & Windmills. Beckman Bros., Des Moines, Ia.
B. B. Sewer Gas Traps, Ball Cocks, Bath Traps, Solderless Copper Floats, Pipe Nipple Holders, Flushing Valves and Tank Valves. Boston Brass Co., Waltham, Mass.
B. B. Shoveling and End Gate Boards. Hayes Pump & Planter Co., Galva, Ill.
B. B. Trolley Track Door Hangers. Sharon Hdw. Mfg. Co., Sharon, Pa.
BBB Coil Chains. U. S. Chain & Forging Co., Pittsburgh, Pa.
B-B-B Welding and Cutting Apparatus. The Bishop-Babcock-Becker Co., Cleveland, O.
B. B. B. B. Coil Chains. Columbus McKinnon Chain Co., Columbus, O.
B-C Co. Fan Pumps. Black-Clawson Co., Hamilton, Ohio.
B-C Co. Milling Cutters and Hobs. Barber-Colman Company, Rockford, Ill.
B. C. & B. B. Twine. California Cotton Mills Co., Oakland, Cal.
B. C. Rubber Insulated and Cambric Insulated Cables. Simplex Electrical Co., Boston, Mass.
B. C. Spirits. Ball Chemical Co., Pittsburgh, Pa.
B. C. & D. Leather Belting. Bickford & Francis Belting Co., Buffalo, N. Y.
B-D Carburetors. Detroit Motor Castings Co., Detroit.
B-D Sifter Garden & Orchard Sprayers. Danforth Chemical Co., Leominster, Mass.
B. F. D. Die Steel. Jos. T. Ryerson & Son, Chicago.
B-G Buffing Wheels, Leather Bull Neck, Truck Casters, Leather Rim Wheels. Belt-Grip Pulley Co., Buffalo, N. Y.
B-G Conveyors. Barber-Greene Co., Dept. H, Aurora, Ill.
B-G Cyanide Hardening Compound. Bell & Gossett Co., Chicago.
B. G. D. Loom Pickers. E. H. Jacobs Mfg. Co., Danielson, Conn.
B G L Furnaces. Tate Jones & Co., Pittsburgh, Pa.
B. H. M. Tool Sets. Bridgeport Hdwe. Mfg. Corp., Bridgeport, Conn.
B. H. Mfg. Co. Universal Joints. B. Hoffman Mfg. Co., Milwaukee.
B-H Paste, Paints, Varnishes, etc. Bass-Hueter Paint Co., San Francisco, Cal.
B. L. & L. Co. Hardwood Lumber. Bayou Land & Lumber Co., Cincinnati, O.
B. M. C. Steam Condensers, Tank Heaters, Steel Bins, Corn Cribs, Etc. Butler Mfg. Co., Knasas City, Mo.
B. O. Blow-Off Valves. L. J. Bordo Co., Philadelphia.
B. Oilers. Randall-Faichney Co., Boston, Mass.
B-L-W Wires and Cables. Boston Insulated Wire & Cable Co., Boston, Mass.
B-K Disinfectant. General Laboratories, Madison, Wis.
B-N Piston Pins. Burgess-Norton Mfg. Co., Geneva, Ill.
BNCO Metal Building Products. Biersach & Neidermeire Co., Milwaukee, Wis.
B. O. T. Water Closet Outfits. American Sanitary Works, New York.
B. P. S. Paints and Varnishes, Mill White, China-Lac, Railine Paint. Patterson-Sargent Co., Cleveland, O.
B. R. E. Water Closet Tanks. B. R. E. Mfg. Co., Hyde Park, Mass.
B. R. E. Hygienic Seats. B. R. E. Mfg. Co., Hyde Park, Mass.
B. S. A. Rifles, Shotguns and Cycle Parts. Production Equipment Co., Inc., New York.
B. S. Breast Strap Slides. Frazer & Jones Co., Syracuse, N. Y.
B. S. Co. Iron Screws. Bridgeport Screw Co., Bridgeport, Conn.
B. S. C. O. Primary Batteries. Thomas A. Edison, Inc., Bloomfield, N. J.
B-S Insulating Compounds. Mitchell-Rand Mfg. Co., New York.
B. T. & B. Molders' Flasks. Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
B. T. C. Automobile Forgings, Stamping and Hardware. Brewer-Titchener Corp., Cortland, N. Y.
B. T. C. Pressed Metal Parts. Brewer-Titchener Corp., Cortland, N. Y.
B T Tool Steel. Braeburn Steel Co., Braeburn, Pa.
B. T. U. Heaters. Bayley Mfg. Co., Milwaukee.
B-Ver Expansion Reamers. Hjorth Lathe & Tool Co., Boston.
B-V Punch. Bonney-Vehslage Tool Co., New York.
B. V. S. Varnishes. The Patterson-Sargent Co., Cleveland, O.
B. V. T. Silo Tile. Brazil Hollow Brick & Tile Co., Brazil, Ind.
B. W. Defiance Bond Paper. Byron Weston Co., Dalton, Mass.
B. W. H. Insulating Tape. Boston Woven Hose & Rubber Co., Cambridgeport, Mass.

BX Armored Conductors. General Electric Co., Schenectady, N. Y.
B. X. L. Lead Covered Cable. Sprague Electric Works, New York.
B. & A. Track Relays. J. H. Bunnell & Co., New York City.
B. & B. Foundry Moulding Machines. B. & B. Mfg. Co., Indianapolis.
B. & B. Wire Rope. Broderick & Bascom Rope Co., St. Louis, Mo.
B. & C. Combination Wrenches. Bemis & Call Hdw. & Tool Co., Springfield, Mass.
B. & C. Co., Floor and Ceiling Plates. Beaton & Corbin Mfg. Co., Southington, Conn.
B. & C. S. Wrenches. Bemis & Call Hardware Tool Co., Springfield, Mass.
B. & D. Co., Knives and Ice Chisels. Browne & Dowd Mfg. Co., Meriden, Conn.
B. & D. Portable and Electric Drills. The Black & Decker Mfg. Co., Baltimore, Md.
B. & E. Gas Engines. Bates & Edmonds Motor Co., Lansing, Mich.
B. & F. Belting. Bickford & Francis Belting Co., Buffalo.; Warren Belting Co., Dept. H, Worcester, Mass.
B. & G. Fanning Mills. Bristol & Gale Co., Chicago.
B. & H. Cement. Cumberland Hydraulic Cement & Mfg. Co., Cumberland, Md.
B. & J. Stucco. B. & J. Concrete Products Co., Red Oak, Iowa.
B. & K. Coal Jigs. Mt. Carmel Iron Works, Mt. Carmel, Pa.
B. & K. Mushroom Guy Anchors. Bracket Hardware, Guy Clamps and Cable Racks and Hooks. The Barnes & Kobert Mfg. Co., Milldale, Conn.
B. & K. Pipe Cutters and Die Grinding Machines. Bignall & Keeler Mfg. Co., Edwardsville, Ill.
B. & L. Microscopes, Spectroscopes and Polariscopes. Elmer & Amend, New York.
B. & M. Babbitt Metal. H. K. & F. S. Benson, Glen Ridge, N. J.
B. & O. Cotton Threads. Blodgett & Orswell Co., Pawtucket, R. I.
B. & O. Punches and Tire Upsetters. Butts & Ordway Co., Boston.
B. & O. Rail Tongs. Vaughn & Bushnell Mfg. Co., Chicago.
B. & O. Valves. Protected Seat Valve Co., Pittsburgh.
B. & P. Columnar Books. Boorum & Pease Co., Brooklyn, N. Y.
B. & P. Enamel. Tropical Paint & Oil Co., Cleveland, O.
B. & P. Loose Leaf Devices. Boorum & Pease Co., Brooklyn.
B. & P. Radio Insulators. Banister & Pollard Co., Newark, N. J.
B. & S. Cutters and Gears. Brown & Sharpe Mfg. Co., Providence, R. I.
B. & S. Cutter Heads. Buettner Shelburne Mach. Co., Terre Haute, Ind.
B. & S. Packless Valves. Chadburn Engineering Co., Inc., Troy, N. Y.
B. & S. Ring Oiling Hangers. T. B. Woods' Sons Co., Chambersburg, Pa.
B. & S. Stocking Cutters. Brown & Sharpe Mfg. Co., Providence, R. I.
B. & S. Wrenches, Screwdrivers. Billings & Spencer Co., Hartford, Conn.
B. & W. Bracket Supports. Bassett & Wilson, Boston.
B. & W. Sliding Furniture Shoes. Brainard & Wilson Corp., Danbury, Conn.
B. & W. Water Tube Boilers. Babcock & Wilcox Co., New York.
B. & W. Water Tube Expanders. Gustav Wiedeke & Co., Dayton, O.
B. & Z. Corn and Cob Mills. Barry & Zecher Co., Lancaster, Pa.
Babbitrite Babbitt Metal. Products Mfg. & Sales Co., Milwaukee.
Babbitrite Compound. Products Mfg. & Sales Co., Milwaukee, Wis.
Babbitt 1776 Soap Powder. B. T. Babbitt, New York.
Babbitt Adjustable Sprocket Rim & Chain Guides. Babbitt Steam Specialty Co., New Bedford, Mass.
Babbitt Metal. Jacobsen Sons Co., Detroit, Mich. United Smelting & Aluminum Co., Inc., New Haven, Conn.
Babbitt's Cleanser Compounds. B. T. Babbitt, Inc., New York.
Babcock & Kelly Oil and Grease Cup Lubrication. Crescent Oil & Supply Co., St. Louis, Mo.
Babcock Fire Extinguishers. S. F. Hayward & Co., Elmira, N. Y.
Babcock Shears. Clark Bros.' Cutlery Co., Kansas City, Mo.
Baby Baths & Closets. Crane Co, Chicago.
Baby Beet Pullers. Baby Beet Puller Mfg. Co., Denver, Colo.
Baby Belt Lacing Machines. Clipper Belt Lacer Co., Grand Rapids, Mich.
Baby Devil Rivet Cutters. Rice Mfg. Co., Indianapolis, Ind.
Baby Dynamo Electric Toys. Rhode Island Telephone & Electric Co., Providence, R. I.
Baby Fast Feed Planer, Matcher and Moulder. Hall & Brown Wood-Working Machine Co., St. Louis, Mo.
Baby Grand Egg Boilers. Berger & Hamden Mfg. Co., Homestead, Pa.
Baby Grand Lathes. Watson Mfg. Co., Toledo, Ohio.
Baby Grand Lawn Mowers. F. & N. Lawn Mower Co., Richmond, Ind.
Baby Incandescent Gas Mantles. American Gas Machine Co., Inc., New York.
Baby Revolvers. R. F. Sedgley, Philadelphia.
Baby Ring Lawn Sprinkler. W. D. Allen Mfg. Co., Chicago.
Baby Spark Plugs. Reflex Ignition Co., Cleveland.
Baby Superior Fly Traps. Stuber & Kuck Co, Peoria, Ill.
Baby Toy Phonographs. General Phonograph Corp., New York.
Baby Ventilating Fans. Buffalo Forge Co., Buffalo.
Back Hawk Packing. Revere Rubber Co., Chelsea, Mass.
Back Truss Back Braces. Chance Company, Centralia, Mo.
Backus Utility Auto Lock. Backus Novelty Co., Smithport, Pa.
Backus Water Motors. Gas Engines and Gas Producers. Backus Water Motor Co., Newark, N. J.
Backus Woven Boxes and Trucks. A. Backus, Jr. & Sons, Detroit, Mich.
Baco Aniline Colors, Dyes & Dyestuffs. Bachmeier & Co., New York.
Bacon Cultivators. Bacon Mfg. Co., Pontiac, Mich.
Bacon Felts, Felt Washers, Wheels, Polishing Wheels, Wadding Wool. Bacon Felt Co., Winchester, Mass.
Bacon Gas Ranges. Thos. White Stove Co., Quincy, Ill.
Bacon Portable Asphalt Plant. Edw. R. Bacon Company, San Francisco, Cal.
Bacon Portable Car Unloaders. Edw. R. Bacon Co., San Francisco, Cal.
Bacon Waste Heat Boilers. Freyn, Brassert & Co., Chicago.
Badger Alligator Shears and Punches. Rock River Machine Co. Janesville, Wis.
Badger Anvils, Jacks and Tire Benders. American Skein & Foundry Co., Racine, Wis.
Badger Auto Jack. Walker Mfg. Co., Racine, Wis.
Badger Automatic Grinders; Disc and Ring Wheel Grinders; Ring Wheel Chucks. Badger Tool Company, Beloit, Wis.
Badger Bags. Badger Bag & Paper Co., New York.
Badger Board. Jno. Schroeder Lbr. Co., Milwaukee, Wis.
Badger Boiler Compound. Wisconsin Fdy. & Mach. Co., Madison, Wis
Badger Bumpers and Auto Accessories. Badger Mfg. Corp., Milwaukee.
Badger Car Curtains. Wisconsin Top Co., Racine, Wis.
Badger Car Movers. Advance Car Mover Co., Appleton, Wis.
Badger Cattle Stanchions. Gehl Bros. Mfg. Co., West Bend, Wis.
Badger Closet Seats. Plumbers Woodwork Co., Algoma, Wis.
Badger Concrete Mixers. Badger Concrete Mixer Co., Milwaukee.
Badger Corn Shellers. Appleton Mfg. Co., Batavia, Ill.
Badger Cultivators. Kingman Plow Co., Peoria, Ill.
Badger Cylinder Oil. Wadham's Oil Co., Milwaukee.
Badger Detachable Link Belting and Sprocket Chain. Badger Malleable & Mfg. Co., South Milwaukee, Wis.
Badger Disc Ring Wheel, Double Vertical Spindle Grinders, Abrasive Discs, Disc Wheel and Pattern Makers' Cement. Badger Tool Co., Beloit, Wis.
Badger Fly Pillers. Hoaglin Mfg. Co., Waupaca, Wis.
Badger-Iding Grinding Discs. Badger Tool Company, Beloit, Wis.
Badger Jointer Guard. Badger Jointer Guard Co., Eau Claire, Wis.
Badger Loose Leaf Devices and Binders. Heinn Co., Milwaukee.
Badger Maple and Birch Flooring. Kneeland-McLurg Lumber Co., Phillips, Wis.
Badger Marble, Stone and Floor Polishers. Wisconsin Fdy. & Mach. Co., Madison, Wis.
Badger Never-Slip Car Movers. Advance Car Mover Co., Appleton, Wis.
Badger Oils and Greases. Wadhams Oil Co., Milwaukee. Wis.
Badger Oil Filters. Wisconsin Foundry & Machine Co., Madison, Wis.
Badger Post Hole Diggers. Jackson Shovel & Tool Co., Montpelier, Ind.
Badger Potato Diggers. McKenzie Mfg. Co., La Crosse, Wis.
Badger Punching & Shearing Machines. Rock River Machine Co., Janesville, Wis.
Badger Refrigerator Drains. Modern Iron Wks., Quincy, Ill.
Badger Rubber Belting. Goodyear Rubber Co., San Francisco.
Badger Self-Equalizing Expansion Joints. C. B. Badger & Sons, Co., Boston, Mass.
Badger Spring Tooth Harrows. Eureka Mower Co., Utica, N. Y.
Badger State Fanning Mills. Foster & Williams Mfg. Co., Racine, Wis.
Badger Tank Heaters. Duplex Mfg. Co., Superior, Wis.
Badger Valves. L. J. Mueller Furnace Co., Milwaukee, Wis.
Badger Ventilators. E. B. Badger & Sons Co., Boston, Mass.
Badger Water Meters. Badger Meter Mfg. Co., Milwaukee, Wis.
Badger's Fire Extinguisher. Badger Fire Extinguisher Co., Boston, Mass.
Baernamel Enamel. Baer Bros., New York.
Baertl Pulley Covering. Baertl Anti-Slip Cement Co., New York.
Baetz Patent Air Heater. Skinner Bros. Mfg. Co., Inc., St. Louis, Mo.
Bagley Railroad Graders. Bagley Grader Co., Tacoma, Wash.
Bagley Scrapers. Bagley Grader Co., Tacoma, Wash.
Bailey & Boosters Solar Water Heaters. Day & Night Solar Heater Co., Monrovia, Cal.
Bailey Adjustable Iron Planes and Spoke Shaves. Stanley Rule & Level Co., New Britian, Conn.
Bailey Chain Hoists. Jas. P. Dunn, Cleveland.
Bailey Differentials. Bailey Non-Stall Differential Corp., Chicago.
Bailey Electric Furnaces. The Electric Furnace Co., Alliance, O.
Bailey Excavator. The Clyde Iron Works, Duluth, Minn.
Bailey Gearless Differential. Gearless Differential Co., Detroit, Mich.
Bailey Meters, Air, Boiler Feed Water, Gas, Hot Water, Steam, Water and Water Flow and Weir Recorders. Bailey Meters Co., Cleveland, O.
Bailey Planes. Stanley Works, New Britain, Conn.
Bailey Post Drills. Illinois Iron & Bolt Co., Carpentersville, Ill.
Bailey Water and Gas Heaters. Day & Night Solar Heater Co., Monrovia, Cal.
Bailey Wont Slip Cushioned Tires. C. J. Bailey & Co., Boston.
Bailey's Cream Metal Polish. Bailey Bros., Indianapolis, Ind.
Bailey's Crown Metal Polish. Crown Chemical Co., Indianapolis.
Bailey's Fusible Plugs. Boston Steam Specialty Co., Boston, Mass.
Bailey's Letter Copying Machines. Bailey Mfg. Co., Berlin, Conn.
Bailie Wickercraft Furniture and Baskets. Bailie Basket Co., Somerville 42, Mass.
Baily Metal Melting & Heat Treating Electric Furnace. Electric Furnace Co., Salem, Ohio.
Bain Wagons. Bain Wagon Co., Kenosha, Wis.
Bair Bow Separators & Carriage Fasteners. Auto-Specialties Mfg. Co., Joliet, Ill.
Bair Top Holders. Auto Specialties Mfg. Co., St. Joseph, Mich.
Baird Automatic Presses; Tumblers; Grinders; Burnishing; Metal and Wire Forming Machines. Baird Machine Co., Bridgeport, Conn.
Baird Floor Brushes. Baird Brush Mfg. Co., Oakland, Cal.
Baird Fresh Water Distilling Evaporators. M. T. Davidson Co., New York.
Baird Pneumatic Riveters, Staybolt Cutters, Flue Cleaning Rattlers, Vacuum Oil Burning Furnaces, Arch Flue and Pipe Benders and Rivet Furnaces. Baird Pneumatic Tool Co., Kansas City, Mo.
Baird Tumbling Barrels. Baird Machine Co., Bridgeport, Conn.
Bairstow Bros., Flyers. Speed & Stephenson, Boston.
Bak-Bone Leather Belting. Geo. Rahmann & Co., New York; Zimmer Belting Co., New York.
Bakelite-Dilecto Insulating Material and Fibre Specialties. The Continental Fibre Co., Newark, Del., Bakelite Corp., New York.
Bakelite Gears. Wm. Ganschow Co., Chicago, Ill.
Bakelite Insulating Compound. Johns-Manville, Incorporated, New York.
Bakelite Molding Materials, Cements, Enamels, Lacquers, Varnishes, Transparent Goods and Laminated Sheet, Tube and Rod Products. Bakelite Corporation, New York.
Bakelite Moulded Heat-Proof Insulation. Remy Electric Co., Anderson, Ind.
Baker & Shevlin Blow-Off Valves. Baker Mfg. Corp., Saratoga Springs, N. Y.
Baker Axial Balance Oil Compasses. Max Kuner Co., Seattle, Wash.
Baker Barbed Wire. American Steel & Wire Co., Chicago.
Baker Bins. (Blast Furnace Equipment.) G. McKee & Co., Cleveland, Ohio.
Baker Car Heaters. The Peter Smith Heater Co., Detroit, Mich.
Baker Compass. George A. Baker, Melrose, Mass.
Baker Compressors, Blowers and Vacuum Pumps. Baker Hansen Mfg. Co., Oakland, Cal.
Baker Concrete Road Building Machinery. The R. D. Baker Co., Detroit, Mich.
Baker Demountable Rims. Universal Rim Co., Chicago.
Baker Fire Hose. Gutta Percha & Rubber Mfg. Co., New York City.
Baker Gasoline Engines and Windmill Regulators. Baker Mfg. Co., Evansville, Wis.
Baker Gasoline Torches, Bedside Tables, Back Rests, Typewriter Stands. Costumers. J. R. Baker & Sons Co., Kendallville, Ind.
Baker Industrial Tractors and Trucks. The Baker R & L Company, Cleveland, O.
Baker Jaws. Steel Car Forge Co., Pittsburgh, Pa.
Baker Leather Staking Machines. G. W. Baker Machine Co., Wilmington, Del.
Baker Locomotive Valve Gear. The Pilliod Company, New York.
Baker Maney 4 Wheel Scrapers. Baker Mfg. Co., Springfield, Ill.
Baker Oil Separators. Wheeler Condenser & Engineering Co., Carteret, N. J.
Baker Oil Well Specialties. Baker Casing Shoe Co., Los Angeles.

Baker Ore Coolers. Stearns-Roger Mfg. Co., Denver.
Baker Piston Valves. Baker Valve Co., Minneapolis, Minn.
Baker Plaster. United States Gypsum Co., Chicago.
Baker Road Machinery. Baker Mfg. Co., Springfield, Ill.
Baker Saw Benches. Baker Bros., Toledo, Ohio.
Baker Snow Plow and Street Sweeper. Baker Mfg. Co., Springfield, Ill.
Baker Splitting Machinery. Wm. H. Baker, Trenton, N. J.
Baker Steel Bins. Arthur G. McKee & Co., Cleveland.
Baker System Ice and Refrigerating Machinery. Baker Ice Machine Co., Omaha, Neb.
Baker Threshers. A. D. Baker Co., Swanton, Ohio.
Baker Valve Gear. Pilliod Co., New York.
Baker Vapor Tight Valves. Baker Valve Co., Minneapolis, Minn.
Baker Wind Mills and Towers. Heller-Aller Co., Napoleon, O.
Bake-Rite Ovens. Bake-Rite Consolidated, San Francisco, Cal.
Baker's Filter Paper. J. T. Baker Chemical Co., Phillipsburg, N. J.
Bako Odorless Cement. De Remer-Blatchford, Chicago.
Bakorost Fireless Cookers. Grand Rapids Screen Co., Grand Rapids.
Bak-Push Water Closets. Pittsburgh Brass Mfg. Co., Pittsburgh.
Bakwhite Enamels. John Lucas & Co., Inc., Philadelphia, Pa.
Balanced Draft Combustion Control Systems. The Engineer Company, New York.
Balanced Drive Hoists and Cranes. Shepard Elec. Crane & Hoist Co., Montour Falls, N. Y.
Balata Paints. Geo. B. McKee Co., San Jose, Cal.
Bal Built Automobile Trunks. William Bal Co., Newark, N. J.
Bal-Beds Wall Beds. California Wall Bed Co., San Francisco.
Balcrank Auto Parts and Fittings. Cincinnati Ball Crank Co., Cincinnati, Ohio.
Balcrank Stabilizer. Cincinnati Ball Crank Co., Cincinnati, O.
Bald Eagle Axes. Mann Edge Tool Co., Lewiston, Pa.
Baldor Electric Motors. Baldor Electric Co., St. Louis, Mo.
Baldt Stockless Anchor. Baldt Anchor Co., Chester, Pa.
Baldt Stockless Anchors. Columbia Steel Co., San Francisco, Cal.
Baldwin Cash Carriers. Jas. L. Baldwin & Co., Chicago.
Baldwin Chain. Baldwin Chain & Mfg. Co., Worcester, Mass.
Baldwin Cutters. Bateman & Companies, Inc., New York.
Baldwin Feed Cutters. Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Baldwin Finback Paper Cups. United States Envelope Co., Springfield, Mass.
Baldwin Locomotives, Electric Railway Trucks. The Baldwin Locomotive Works, Philadelphia, Pa.
Baldwin Packing. Anchor Packing Co., Philadelphia.
Baldwin Power Transmission Chains. Baldwin Chain & Mfg. Co., Worcester, Mass.
Baldwin Sprockets. Baldwin Chain & Mfg. Co., Worcester, Mass.
Baldwin's American Cultivators. Donaldson Bros., Mt. Clemens, Mich.
Ball-Band Rubber and Woolen Footwear. Mishawaka Woolen Mfg. Co., Mishawaka, Ind.
Ball Bearing Lawn Mowers. E. C. Stearns & Co., Syracuse, N. Y.
Ball Expansion Hand Reamers. Schellenbach-Hunt Tool Co., Cincinnati, O.
Ball Gears. N. Y. Gear Works, Brooklyn.
Ball Ideal Fruit Jars. Ball Bros. Co., Muncie, Ind.
Ball Improved Fruit Jars. Ball Bros. Co., Muncie, Ind.
Ball Jelly Glasses and Tumblers. Ball Bros. Co., Muncie, Ind.
Ball Joint Jr. Automatic Air Valves. The Penn Engineering Co., Philadelphia, Pa.
Ball Joint Royal Automatic Air Valves. The Penn Engineering Co. Philadelphia, Pa.
Ball Lubricating Oils. Colgan Mfg. & Supply Co., New York.
Ball Perfect Mason Fruit Jars. Ball Bros. Co., Muncie, Ind.
Ball Perfect Seal Fruit Jar Rubbers. Ball Bros. Mfg. Co., Muncie, Ind.
Ball Tread Tractors. Yuba Mfg. Co., San Francisco, Calif.
Ball Type Gauge Cocks. Williams Gauge Co., Pittsburgh, Pa.
Ball Varnish Remover, Oils and Paints. Ball Chemical Co., Pittsburgh, Pa.
Ballantine Vario Transformer. Boonton Rubber Mfg. Co., Boonton, N. J.
Ballard Track Bolts. Ballard Drop Forge Co., Seattle, Wash.
Ballard-Westcott Differential and Static Pressure Gauge. Metric Metal Works, Erie, Pa.
Ballin Water Tube Boilers. Ballin Water Tube Boiler Co., Portland Ore.
Ballistite Smokeless Shotgun Powders. (E. I.) du Pont de Nemours & Co., Inc., Explosives & Smokeless Powder Depts., Wilmington, Del.
Balloon Fly Traps. Wickwire-Spencer Steel Corp., Worcester, Mass.
Ballou Safety Rail-Bolt Nut. Ballou Safety Rail Joint Co., Roanoke, Va
Ball's Paint & Varnish Remover. Ball Chemical Co., Pittsburgh.
Ball's Telescopic Screw Jacks. Lovejoy Tool Works, Chicago.
Ballwood Pipe Line Specialties. Ballwood Co., New York.
Ballwood Welded Flanges. Ballwood Co., The, New York.
Balma Liquid Soap and Soap Dispensers. The C. B. Dolge Co., Westport, Conn.
Balopticon Projection Lanterns. Bausch & Lomb Optical Co., Rochester, N. Y.
Balsago Pipe Joint Cement. H. S. Desper, Worcester, Mass.
Balsalation Heat Insulation. American Balsa Co., New York.
Balsam-Wool Insulation. Wood Conversion Co., Cloquet, Minn.
Baltic Lamp Wicks. Massasoit Mfg. Co., Fall River, Mass.
Baltimorean Printing Presses. J. F. W. Dorman Co., Baltimore, Md.
Baltimore Ball Bearings, Electric Motor Bearings. T. H. Symington Co., Baltimore, Md.
Baltimore Brass Pipe. Baltimore Tube Co., Baltimore, Md.
Baltimore Center Plates. T. H. Symington Co., New York.
Baltimore Jacks. The Lansing Company, Lansing, Mich.
Baltimore Wagon Jacks. Lansing Co., Lansing, Mich.
Baltimore Water Filters. Loomis-Manning Filter Co., Philadelphia.
Balto Porcelain Enameled Iron Signs. The Baltimore Enamel & Novelty Co., Baltimore, Md.
Baltobelt Leather Belting. Baltimore Belting Co., Baltimore, Md.
Baltzy Steel Stove Trucks. Arcade Mfg. Co., Freeport, Ill.
Bal-Var Varnish. Ball Chemical Co., Pittsburgh, Pa.
Bamboo Steel. Chemung Valley Steel Co., Elmira Heights, N. Y.
Bamboo Tool Steel. Slatington Iron & Steel Co., New York.
Bancroft Industrial Steel Buildings. Brancroft-Jones Corp., Buffalo, N. Y.
Bandwheel Cutter and Tool Grinders. Machinery Co. of America Grand Rapids, Mich.
Banfield Best Bright Tin Plates. Follansbee Bros. Co., Pittsburgh.
Bangor Ribbon Roofing Slate. Auld & Conger Co., Cleveland.
Bangor Steel Tapes. Union Tool Co., Orange, Mass.
Banker Wind Shields. Banker Wind Shield Co., Pittsburgh.
Banker's Blotting Paper. Standard Paper Mfg. Co., Richmond, Va.
Bankers' Safety Paper. Geo. Le Monte & Son, New York.
Banner Air Compressor Lubricators. Lunkenheimer Co., Cincinnati, O.
Banner Aqua and Anhydrous Ammonia, Chloride of Lime and Powdered Lye. Penn Chemical Works, Philadelphia.
Banner Batteries. Burgess Battery Co., Madison, Wis.
Banner Brand Weatherproof Wire and Friction Tape. Central Electric Co., Chicago.
Banner Bunting. U. S. Bunting Co., Lowell, Mass.
Banner Clothes Washing Machines. Boss Washing Machine Co., Cincinnati, Ohio.
Banner Corn Brooms. Universal Broom Co., Chattanooga, Tenn.
Banner Cream Separators. Seither & Cherry Co., Keokuk, Ia.
Banner Cultivators. F. C. Mason & Co., St. Johns, Mich.
Banner Cultivators. Racine-Sattley Co., Springfield, Ill.
Banner Force Pumps. Barnes Mfg. Co., Mansfield, O.
Banner Hickory Handles. Hartwell Handle Co., Harvey, Ill.
Banner Hydrate Lime. National Mortar & Supply Co., Pittsburgh.
Banner Incandescent Electric Lamps. Banner Electric Works of G. E. Co., Youngstown, Ohio.
Banner Knitting Machinery. Hemphill Mfg. Co., Central Falls, R. I.
Banner Latch Needles. Granite State Needle Co., Laconia, N. H.
Banner Loose Leaf Binders. C. R. & W. A. Nelson, Inc., Chicago.
Banner Lubricators. Lunkenheimer Co., Cincinnati, Ohio.
Banner Mazda Electric Lamps. Palmer Electric Division, Youngstown, O.
Banner Measuring Tapes. The Lufkin Rule Co., Saginaw, Mich.
Banner Oils and Greases. Clarkson & Ford Co., New York City.
Banner Oil Cup Lubricators. American Lubricator Co., Detroit, Mich.
Banner Potato Diggers. Greenville Implement Co., Greenville, Mich.
Banner Poultry Fences. American Steel & Wire Co., Chicago.
Banner Ranges & Stoves. Bostwick Stove Co., Lapeer, Mich.
Banner Road Scrapers. Amer. Steel Scraper Co., Sidney, O.
Banner Root Cutters. O. E. Thompson & Sons, Ypsilanti, Mich.
Banner Self-Closing Basin Cocks. Banner Mfg. Co., New York.
Banner Shade Holder. Plume & Atwood Mfg. Co., Waterbury, Conn.
Banner Steel Tape. Lufkin Rule Co., Saginaw, Mich.
Banner Switch Stands. Pettibone-Mulliken Co., Chicago.
Banner Twine. McNulty Paper & Twine Corp., Chicago.
Bannister Carriage Wheels. Muncie Wheel Co., Muncie, Ind.
Bannister Grate Bars. Mechanics' Iron Foundry Co., Boston.
Bannister's Concrete Spades. Conneaut Shovel Co., Conneaut, Ohio.
Bannon's Patent Lidded Conduit. P. Bannon Pipe Co., Louisville, Ky.
Bantam Bearings. Bantam Ball Bearing Co., Bantam, Conn.
Bantam Incubators & Brooders. Buckeye Incubator Co., Springfield, Ohio.
Bantam Shaft Hangers. Standard Pressed Steel Co., Jenkintown, Pa.
Bantam Steel Countershaft Hangers and Steel Bench Legs. Standard Pressed Steel Co., Jenkintown, Pa.
Bantan Lumber. Cadwallader Gibson Lumber Co., Manila, Philippine Islands.
Banzai White Enamel. Pittsburgh Plate Glass Co., Paint and Varnish Division, Milwaukee, Wis.
Bar Bee Steel Settees. Barbee Wire & Iron Works, La Fayette, Ind.
Barbee Wire Specialties. Barbee Wire & Iron Works, Chicago.
Barber Bit Braces. Millers Falls Co., Dept. H, Millers Falls, Mass.
Barber Car Trucks, Roller Bearing Truck Devices, Roller Side Bearings. Standard Car Truck Co., Chicago.
Barber-Colman Hobbing Machines, Milling Cutters and Hobs, Warp-Tying Machines, Warp-Drawing Machines and Hand Knotters. Barber-Colman Co., Rockford, Ill.
Barber Drill Chucks. Millers Falls Co., Millers Falls, Mass.
Barber Motors. King Brothers Successors to Barber Bros., Syracuse, New York.
Barber's Bit Braces. Turner & Deegan, Bristol, Conn.
Barbet Distilling Apparatus. E. B. Badger & Sons Co., Boston.
Barbour Grooved Endless Welting. Brockton Rand Co., Brockton, Mass.
Barbroco Leather Belting. Barnum Bros Co., Troy, N. Y.
Barco Brand Products. Barnett Canvas Goods & Flag Co., Philadelphia, Pa.
Barco Flexible Joints. Barco Mfg. Co., Chicago.
Barco Gears. Barneys Auto Parts Co., Inc., New York.
Barco Smokebox Blower Fittings; Loose Bolt Crossheads; Power Reverse Gear; Flexible Joints. Barco Mfg. Co., Chicago.
Barco Washers, Gaskets and Packings of Leather, Fibre, Felt, Paper, Asbestos, Cardboard, Cork, Lead, Rubber, Celluloid for all purposes. V. H. Barwood Mfg. Co., Lynn, Mass.
Barcolax Lacquer. M. L. Barrett & Co., Chicago.
Barcroft Punching Machines. Fred Barcroft, Madera, Cal.
Barcus Air Drill and Rubber Hose. Electric Hose & Rubber Co., Wilmington, Del.
Bard Adjustable Bushings. Armstrong Mfg. Co., Bridgeport, Conn.
Bard Unions and Flanges. Bard Union Co., Norwich, Conn.
Barden's Brass Hooks and 20th Century Corn Hooks. Wallingford Mfg. Co., Wallingford, Vt.
Bardons & Oliver Turret Lathes. Bardons & Oliver, Cleveland, O.
Bardsley Wooden Knobs. Piqua Handle & Mfg. Co., Piqua, Ohio.
Bargain Clothes Lines. Estes Mills, Fall River, Mass.
Barhart Log Loaders. Goodyear Lumber Co., Buffalo.
Bario Elec. Furnaces and Heat Resisting Metals. Bario Metal Corp., New York.
Barium Dust Blanc Fixe. R. T. Vanderbilt Co., New York.
Bar Keepers' Friend Metal Polish. Geo. W. Hoffman Co., Indianapolis.
Barkelew Knife Switches. Barkelew Elec. Mfg. Co., Middletown, O.
Barkelew Switches. Barkelew Elec. & Mfg. Co., Middletown, O.
Barker Band Saws. R. L. Barker & Co., Chicago, Ill.
Barker Grate Bars and Massage Vibrators. James Barker, Phila., Pa.
Barker Mail Cranes. Barker Mail Crane Co., Clinton, Ia.
Barker Motors; Water Heaters. C. L. Barker, Norwalk, Conn.
Barker Roll Paper Typewriter Attachments. United Autographic Register Co., Chicago.
Barker Wood Flooring Blocks. The Barker Asphalt Paving Co., Philadelphia, Pa.
Barker Wrenchless Chuck, Drill Press Vise. Thomas Elevator Co., Chicago.
Barlith Waterproofing Materials and Size. Barlith Co., San Francisco.
Bar Lock Prismatic Glass. American Bar Lock Co., Philadelphia, Pa.
Barlou Marine Elevators. Markey Machy. Co., Seattle, Wash.
Bar-Minn Cereal Grinders. B. F. Gump Co., Chicago, Ill.
Barnard-Cornwall Corn Cleaner. Barnard & Leas Manufacturing Co., Moline, Ill.
Barnard Friction Clutches. Barnard & Leas Mfg. Co., Moline, Ill.
Barnard Kitchen Enameled Ware. New England Enameling Co., Middletown, Conn.
Barnard-Moline Flour, Corn, Rice, Feed, and Elevator Machinery, Car Puller, Carbon-Black Packers, Roller Mills, Zinc Reels. Barnard & Leas Manufacturing Co., Moline, Ill.
Barnards Feed Grinding Mills and Grain Separators. Barnard & Leas Mfg. Co., Moline, Ill.

Barnes Drills. W. F. & John Barnes Co., Rockford, Ill.
Barnes Friction Disc Drills and Screw Presses. W. F. & Jno. Barnes Co., Rockford, Ill.
Barnes Hay Carriers. J. E. Porter Co., Ottawa, Ill.
Barnes-Made Springs. Wallace Barnes Co., Bristol, Conn.
Barnes Night Latches. Huber Mfg. Co., New York.
Barnes Pattern Pipe Cutters. Collmer Bros., South Bend, Ind.
Barnes Pipe Cutters. Oswego Tool Co., Oswego, N. Y.
Barnes Rams. Barnes Mfg. Co., Mansfield, O.
Barnes Self-Winding Time Switches. J. O. Morris Co., New York.
Barnes Wrenches and Pipe Cutters. Barnes Tool Co., New Haven, Conn.
Barnett Moulders' Flasks. Barnett Fdry & Machine Co., Irvington, N. J.
Barney & Berry Ice and Roller Skates. Winchester Repeating Arms Co., New Haven, Conn.
Barney Ash Lifts. Barney & Company, Yonkers, N. Y.
Barnhart & Randall Gas Analysis Apparatus. Eimer & Amend, New York.
Barnhart Band Wheel Grinders. W. C. Barnhart Co., Seattle, Wash.
Barnhart Log Loaders. Goodyear Lumber Co., Buffalo, N. Y.
Bar-Nic Battery Connectors. Barcy Nicholson Co., Detroit, Mich.
Barnstead Automatic Utensil Sterilizer. Barnstead Still & Sterilizer Co., Boston, Mass.
Barnstead Stills. Barnstead Water Still Co., Boston 30, Mass.
Barol Wood Preserver. Anthrol Wood Preserving Co., New York.
Bar-Ox Coatings for Acid, Alkali and Brine Exposures and Protective Steel Paints. Truscon Laboratories, Detroit, Mich.
Barr Patent Chain Grizzly. Allis Chalmers Mfg. Co., Milwaukee, Wis.
Barr Pneumatic Light Forging Hammer. H. Edsil Barr, Engineers, Erie, Pa.
Barracks Lavatories. Crane Co., Chicago, Ill.
Barracks Vitroware Lavatories. Crane Company, Chicago.
Barre Pneumatic Stone Cutters' Tools. Trow & Holden Co., Barre, Vt.
Barre Polishing Machine. W. A. Lane, Barre, Vt.
Barre Stone Working Tools. Trow & Holden Co., Barre, Vt.
Barreled Sunlight—The Rice Process Mill White. U. S. Gutta Percha Paint Co., Providence, R. I.
Barretan Heavy Leather Bleach. The Barrett Co., New York.
Barrett Cylinder Boring Machines and Pipe Vises. Barrett Machine Tool Co., Meadville, Pa.
Barrett Flashing Blocks and Form. The Barrett Co., New York.
Barrett Grease and Back Water and Sewer Gas Traps and Valves. Jas. Barrett Mfg. Co., Boston, Mass.
Barrett Horizontal Cylinder Boring Machines. Barrett Machines Tool Co., Inc., Meadville, Pa.
Barrett Jacks. Duff Manufacturing Co., Pittsburgh, Pa.
Barrett Marking Gauges. Leavitt Machine Co., Orange, Mass.
Barrett Nonpareil Cast Iron Cleanouts. Jas. Barrett Mfg. Co., Boston.
Barrett Powerox Tractor; Portable Elevator; Lift Trucks; Portable Derrick; "Neverslip" Portable Floor Crane; Barrel Truck. Barrett-Cravens Co., Chicago.
Barrett Roof Flashings. Barrett Co., New York.
Barrett Screw Anchors and Expansion Shields. Barrett Sales Co., Chicago.
Barrett Specification Roofs. Barrett Co., New York.
Barrett Tar Rok Sanitary Flooring. Barrett Co., New York.
Barron Water Coolers. Fearless Dish Washer Co., Rochester, N. Y.
Barrett Wrenches and Jacks. Duff Mfg. Co., Pittsburgh, Pa.
Barrington Bond Paper. B. D. Rising Paper Co., Housatonic, Mass
Barron Polish. John P. Barron, Butte, Mont.
Barr's Steam Traps. Henry B. Pancoast Co., Philadlephia, Pa.
Barry Steel Split Pulleys. R. & J. Dick Co., Inc., Passaic, N. J.
Barsteel Baldwin—Westinghouse, Mine Locomotives. Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
Barstow Stoves and Heaters. Barstow Stove Co., Providence, R. I.
Barthel Blow Torches, Furnaces and Fire Pots. Globe Gas Light Co., Boston, Mass.
Barth Jacks. Oliver-Barth Jack Co., Milwaukee, Wis.
Barth Lifting Jacks. Barth Mfg. Co., Milwaukee, Wis.
Bartholdi Electric Gas Lighters. A. L. Bogart, New York.
Bartholomew Self-Feeders and Band Cutters. Avery Co., Peoria, Ill.
Bartlett Bench Shears. Bartlett Mfg. Co., Detroit, Mich.
Bartlett Compound Lever Snips. Bartlett Mfg. Co., Detroit, Mich.
Bartlett-Graver Water Softeners. Graver Corporation, East Chicago, Ind.
Bartley Nut and Bolt Fasteners. Am. Nut & Bolt Fastener Co., Pitts.
Barton Steam Trap. John W. Barton, owner of Barton Steam Trap Co., Cleveland, O.
Barton's Car Bells and Gongs. Starr Bros. Bell Co., E. Hampton, Conn.
Bartow Oil Filters and Lubricators. Hall Mfg. Co., Harrison, N. J.
Barwood Packings, Cups and Washers, Leather Frictions; Gaskets, Moulded Leather, Leather Nuts and Buttons; Felt and Fibre Washers. L. J. Barwood Mfg. Co., Boston, Mass.
Basco Brand Floor Brushes and Mop Cloths. Baylis Sanitary Supply Co., Chicago.
Basco Electrical Appliances. Briggs & Stratton Co., Milwaukee, Wis.
Bascom Tap and Reamer Wrenches. Smart Mfg. Co., Greenfield, Mass
Bashlin Cocks, Faucets and Valves. W. J. Hyland Mfg. Co., Springfield, Mass.
Basic Open Hearth Steel. Gulf State Steel Co., Birmingham, Ala.
Basline Automobile Towing Ropes. Broderick & Bascom Rope Co., St. Louis, Mo.
Basol Paints. Jenkins Paint & Oil Co., Norfolk, Va.
Bassett Royal Ink Powder. J. H. Bassett & Co., Chicago.
Bassett Window Shade Adjuster. Bassett Window Shade Equipment Co., Washington, D. C.
Bass Hueter Paints and Varnishes. Bass Hueter Paint Co., San Francisco, Calif.
Bassick Auto Grease Cups, Lubricators and Oilers. Bassick Co., Bridgeport, Conn.
Bassick Cotton Hose. W. H. Salisbury & Co., Chicago.
Bastian Electrolytic Meter. Helio Mfg. Co., Philadelphia, Pa.
Bastian Pruning Shears and Fruit Pickers. Northwest Fence & Wire Works, Portland, Ore.
Batavia Auto Tires. Batavia Rubber Co., Batavia, N. Y.
Batavia Threshers. Climax Corp., Batavia, N. Y.
Batchelor Hay Fork. The American Fork & Hoe Co., Cleveland, O.
Batchelder Tiles. Batchelder-Wilson Co., Los Angeles, Cal.
Batdorf Coin Wrapping Machines. Automatic Coin Wrapping Machine Co., New York.
Batdorff's Eave Trough Hangers. Canton Cornice & Skylight Co., Canton, O.
Bates Auger Bits. Snell Mfg. Co., Fiskdale, Mass.
Bates Corliss Engines, Steel Mule Tractors. A. D. Granger Co., New York.
Bates Numbering Machines. Bates Mfg. Co., New York; Roberts Numbering Machine Co., Brooklyn, N. Y.
Bates Spectroscopes and Polariscopes. E. H. Sargent & Co., Chicago.
Bates Steam and Hot Water Heaters. Edw. P. Bates Co., Syracuse, N. Y.
Bates Steel Mule Tractor. Bates Machine & Tractor Co., Joliet, Ill., Joliet Oil Tractor Co., Joliet, Ill.
Bates Steel Poles. Bates Expanded Steel Truss Co., Chicago.
Bates Tractors. Bates Tractor Co., Lansing, Mich.
Bates Well Curbing. E. E. & J. H. Bates, Providence, R. I.
Bath Cements. Bath Portland Cement Co., Bath, Pa.
Bath "Easy-Cut" Taps, Thread Grinders, Gauges and Precision Tools. John Bath & Co., Inc., Worcester, Mass.
Bath Portland Cement. Bath Portland Cement Co., Philadelphia, Pa.
Bath Universal Grinders. Universal Grinding Mach. Co., Fitchburg, Mass.
Battersea Crucibles. Henry Heil Chemical Co., St. Louis, Mo.
Battle Creek Sand Sifters. Battle Creek Sand Sifter Co., Battle Creek, Mich.
Battle Creek Vulcanizing Equipment. Battle Creek Vulcanizing Equipment Co., Battle Creek, Mich.
Battle Packing. Keasbey & Mattison Co., Ambler, Pa.
Battle Ax Stove Pipe and Elbow. Hemp Co., St. Louis, Mo.
Battle Axe Tool Grinders. B. L. Fry Mfg. Co., St. Louis, Mo.
Battleship Linoleums. Joseph Wild & Co., New York.
Bauer Gas and Oil Engines. Bauer Mach. Works, Kansas City, Mo.
Bauer's Button Hole Cutters. J. Wiss & Sons Co., Newark, N. J.
Baum Separators. Vance-Vetter Co., Pittsburgh, Pa.
Baum Steam and Oil Separators. Vance Engineering Co., Pittsburgh.
Baum's Carriage Top Dressing. Baum's Castorine Co., Rome, N. Y.
Bauroth Gas and Gasoline Engines and Grain Elevators. Bauroth Bros., Springfield, Ohio.
Bauroth Pumping Machines. Bauroth Bros., Springfield, O.
Baus Double Decks (for shipping automobiles). E. S. Evans & Co., Detroit, Mich.
Bausch Multiple Spindle Drills. Bausch Machine Tool Co., Springfield, Mass.
Baush A 5 Aluminum Alloys. Baush Machine Tool Co., Metal Div., Springfield, Mass.
Baush Automatic Tamper. Baute Concrete Machinery Co., Benton Harbor, Mich.
Baush Duralumin—Aluminum Alloys. Baush Machine Tool Co., Metal Div., Springfield, Mass.
Bausman Lawn Swings. Noll Bros., Bausman, Pa.
Bauxite Fire Brick. Harbison-Walker Refractories Co., Pittsburgh, Pa.; Stevens Bros. & Co., Stevens Pottery, Ga.
Baxter Rubber Aprons. Davol Rubber Co., Providence, R. I.
Baxter Wrenches. Greene, Tweed & Co., New York.
Baxter Vacuum Motor Driven Street Sweeper. Kimball Motor Truck Co., Los Angeles, Cal.
Baxter's Wrenches. Mark Mfg. Co., Evanston, Ill.
Bay City Hose, Packing. Bower's Rubber Works, San Francisco, Cal.
Bay City Hot Air Furnaces. Bay City Furnace Co., San Francisco.
Bay City Land Dredges. Bay City Dredge Works, Bay City, Mich.
Bay City Packing and Suction Hose. Pioneer Rubber Mills, San Fran.
Bay City Street Sweeping Mach. Bay City Iron Wks., San Francisco.
Baylis Reaction Brush Holder. Thayer & Lynn, Chicago.
Bay Side Waterproofing Materials. Wadsworth Howland & Co., Inc., Boston, Mass.
Bay State Automobiles. R. H. Long Co., Framingham, Mass.
Bay State Belting and Hose. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Bay State Brand Car Plush. Massachusetts Mohair Plush Co., Boston, Mass.
Bay State Brick and Cement Coating. Wadsworth, Howland & Co., Inc., Boston, Mass.
Bay State Clippers. Coates Clipper Mfg. Co., Worcester, Mass.
Bay State Crucibles. Warren Products Co., Inc., New York.
Bay State Die Tool Holders, Machine Bolt and Screw Dies. Bay State Tap & Die Co., Mansfield, Mass.
Bay State Enamels, Paints, Varnishes, Wood and Shingle Stains, Carriage Dressings, Shellac, Wood Fillers, Metal Polish, Varnish Dryers, Waterproofing Materials and Hard Wax Floor Polish. Wadsworth, Howland & Co., Boston, Mass.
Bay State Footwear. U. S. Rubber Co., New York.
Bay State Fruit and Vegetable Parers. Goodell Co., Antrim, N. H.
Bay State Grinders. Robbins Machine Co., Worcester, Mass.
Bay State Jacket Cotton Hose. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Bay State Lawn Mowers. Blair Mfg. Co., Springfield, Mass.
Bay State Paints, Varnishes and White Lead. Wadsworth, Howland & Co., Inc., Boston, Mass.
Bay State Printing Stamp Racks, Rubber Vulcanizers and Seal Presses. R. H. Smith Mfg. Co., Springfield, Mass.
Bay State Saws. Simonds Saw and Steel Co., Fitchburg, Mass.
Bay State Socket Wrenches. Allen Mfg. Co., Hartford, Conn.
Bay State Steam and Hot Water Heaters. Barstow Stove Co., Providence, R. I.
Bay State Taps, Dies, Plates and Wrenches. Bay State Tap & Die Co., Mansfield, Mass.
Bay State Traps. Joseph H. Young Co., Boston, Mass.
Bay View Pig Iron. Illinois Steel Co., Chicago.
Bayley Hand Bone Mills and Steel Corn Cribs. Wm. Bayley Co., Springfield, O.
Bayley Hot Blast Heating Apparatus. Bayley Mfg. Co., Milwaukee.
Bayley Plexiform Fans. Bayley Mfg. Co., Milwaukee, Wis.
Bayley-Springfield Window Shades and Wrought Steel Frames. Wm. Bayley Co., Springfield, O.
Bayonet Trolley Wheels, Bases, Harps, Sleet Cutters. Bayonet Trolley Harp Co., Springfield, O.
Bayonne Roof and Deck Cloth, Car Roofing. John Boyle & Co., Inc., New York.
Bayway Lubricating Oils and Greases. Swan & Finch Co., New York.
Bayway Caulking Lead and Block Lead. Magnolia Metal Co., New York.
Beach Carriages. C. A. Pinkham Carriage Co., Farmington, Me.
Beach-Russ Rotary Vacuum Pumps, Pressure Blowers, Gas Boosters, Liquid Pumps, Condensation Outfits. Beach-Russ Co., New York.
Beacon Atlantic Rubber Covered Wire. Atlantic Insulated Wire & Cable Co., Stamford, Conn.
Beacon Can Spout. Mooers-Wright Co., New York.
Beacon Fire Hose. U. S. Rubber Co., New York.
Beacon Hose and Packing. U. S. Rubber Co., New York.
Beacon Lavatories and Fittings. Sanitas Mfg. Co., Boston, Mass.
Beacon Leather Crayons. American Crayon Co., Sandusky, O.
Beacon Lubricating Oil. Beacon Motor Supply Co., Springfield, Mass.
Beacon Lubricators. The Lunkenheimer Co., Cincinnati, O.
Beacon Oil Pumps. Wm. Powell Co., Cincinnati, O.
Beacon Red Gauge Glasses. H. A. Rogers Co., New York.
Beacon Shoes. F. M. Hoyt Shoe Co., Manchester, N. H.

Beacon Storage Battery Charging Sets. Beacon Rectifier Co., Inc., Hyde Park, Mass.
Beacon Transformers. United Electric Apparatus Co., Boston, Mass.
Beacon Wall Lanterns. R. E. Dietz Co., New York.
Beaded Tip Corset and Shoe Laces. United Lace and Braid Mfg. Co., (P. O. Providence), Auburn, R. I.
Beaman Stadia Arc. W. & L. E. Gurley, Troy, N. Y.
Beamalite Spotlights. Motor Specialties Co., Waltham, Mass.
Beamer Steam Sand Dryers. Roberts & Schaefer Co., Chicago, Ill.
Bean Spraying Machinery and Tractors. Bean Spray Pump Co., San Jose, Cal.
Bear Batteries. Weston Dry Battery Co., Seattle, Wash., Bear State Battery & Equipment Co., Los Angeles, Calif.
Bear Brand Babbitt. I. Shonberg, Inc., Brooklyn, N. Y.
Bear Brand Babbitts Solders. Union Smelting & Refining Trust, Los Angeles, Cal.
Bear Brand Bathing Suits and Sweaters. Trix-Tex Knitting Mills, Chicago, Ill.
Bear Brand Brass Goods. Standard Brass Casting Co., Oakland, Cal.
Bear Brand Chemical Products. Great Western Electro Chemical Co., San Francisco, Cal.
Bear Brand Sheet Metal Products, Canteens, Etc. Woolwine Metal Products Co., Los Angeles, Cal.
Bear Cat Battery Switches. C. D. Wood Electric Co., New York.
Bear Collapsible Luggage Carrier. California Metal Products Co., San Francisco, Cal.
Bear Creek Lump Lime. Hannibal Lime Co., Hannibal, Mo.
Bear Dry Batteries and Soldering Flux. Western Dry Battery Co., Seattle, Wash.
Bear Expansion Reamers; Aligning; Self Aligning and Centering Inside Micrometer; Valve Reseating Reamer Tools. L. O. Beard Tool Co., Lancaster, Pa.
Bear Fuse. E. I. du Pont de Nemours & Co., Inc., Explosives and Smokeless Powder Depts., Wilmington, Del.
Bear Grease Cups. The Wm. Powell Co., Cincinnati, O.
Bear Lamp Black. Wilckes, Martin, Wilckes Co., New York.
Bear Safety Fuse. E. I. du Pont de Nemours & Co., Inc., Explosives and Smokeless Powder Dept., Wilmington, Del.
Bear Traction Engines. Wallis Tractor Co., Racine, Wis.
Beard-Mackie Gas Indicators. American Safety Lamp and Mine Supply Co., Scranton, Pa.
Beardmore Watometer. The Watometer Co., Annapolis, Md.
Beardsley Insulator Pins, Brackets, Malleable Iron Cross and Break Arms. The Eastern Malleable Iron Co., Naugatuck, Conn.
Beardsley-Piper Sandslinger Moulding Machine. The Beardsley-Piper Co., Chicago.
Bearite Brand Babbitt Metal. A. W. Cadman Mfg. Co., Pittsburgh, Pa.
Bear-Tite Piston Rings. Foster, Merriam & Co., Meriden, Conn.
Beasley Wire Rope Knives. Leidecker Tool Co., Marietta, O.
Beat-M All Spark Plugs. A. R. Mosler & Co., Mt. Vernon, N. Y.
Beatrice Tank Heaters. Dempster Mill Mfg. Co., Beatrice, Neb.
Beats All Carpet Beaters. Beats All Mfg. Co., Fairmount, Minn.
Beatsall Leather Mats. Leather Mat Mfg. Co., Inc., San Francisco.
Beats All, Jr. Lead Pencils. American Lead Pencil Co., New York.
Beats All Pump Governors, Pressure Reducing Valves. Locke Regulator Co., Salem, Mass.
Beats the Dutch Cleaning Compound. Morrison Co., Philadelphia, Pa
Beatsol Polish. George R. Barber, Clarks Summit, Pa.
Beatty Hoists. M. Beatty & Sons, Ltd., Montreal, Canada.
Beau Brummel Auto Bodies for Ford Chasis. Universal Car Equipment Co., Detroit, Mich.
Beau Brummel Liquid Soap. West Disinfecting Co., New York.
Beaucroft Sweaters. Bloom W Co., Inc., New York.
Beaudry Hammers. Beaudry & Co., Boston, Mass.
Beaumont Carriers, Skip Hoist and Road Scrapers. R. H. Beaumont Co., Philadelphia, Pa.
Beaumont Liquid Soap. Samuel Lewis, New York.
Beaumont Skip Hoists and Cable Drag Scrapers. R. H. Beaumont Co., Philadelphia, Pa.
Beautiful Birch. Northern Hemlock & Hardwood Mfrs. Assn., Oshkosh, Wis.
Beauty Auto Stop Signals. Kay Bee Mfg., Co., Los Angeles, Cal.
Beauty Clothes Lines. Tribble Cordage Mills, Inc., Boston, Mass.
Beauty Picture Hooks. Forsyth Metal Goods Co., East Aurora, N. Y.
Beaver Automobile Engines. Beaver Mfg. Co., Milwaukee, Wis.
Beaver Babbitt Metal. Syracuse Smelting Works, Brooklyn, N. Y.
Beaver-Belt Waterproof Leather Belting. Milwaukee Leather Belting Co., Milwaukee, Wis.
Beaver Belting. American Belting & Tanning Co., Boston, Mass.
Beaver Black Boards and Varnish. Beaver Board Companies, Buffalo.
Beaver Board. Beaver Products Company, Inc., Buffalo, N. Y.
Beaver Easy-Working Pipe Threaders, Square-End Pipe Cutters. The Borden Company, Warren, O.
Beaver Fast Finishing Steel. Atlas Steel Corp., Dunkirk, N. Y.
Beaver Gloves. Beaver Glove Mfg. Co., Portland, Ore.
Beaver Horse Nails. Standard Horse Nail Co., New Brighton, Pa.
Beaver Hose. Mechanical Rubber Co., Cleveland, O. Kansas City Rubber & Belting Co., Kansas City, Mo., U. S. Rubber Co., New York.
Beaver Hot Air Furnaces. Danville Stove & Mfg. Co., Danville, Pa.
Beaver Leather Belting. The Virginia Leather Co., Richmond, Va.
Beaver Motors. Beaver Mfg. Co., Milwaukee, Wis.
Beaver Packing. H. Johnson Co., Jersey City, N. J.
Beaver Paints and Varnishes. Beaver Varnish Co., Buffalo, N. Y.
Beaver Ready Roofing. Chapman & Soden, Boston, Mass.
Beaver Rope. Ajax Rope Company, Inc., New York.
Beaver Steel. Colonial Steel Co., Pittsburgh, Pa.
Beaver Switches. Beaver Machine & Tool Co., Inc., Newark, N. J.
Beaver Wood Working Machine. Hutchinson Mfg. Co., Inc., Norristown, Pa.
Beaverette Die Stocks. The Borden Company, Warren, O.
Beavertone Paints. Beaver Products Company, Inc., Buffalo, N. Y.
Beavertone Wall Boards. Beaver Board Companies, New York.
Be Be Shine Up Auto Specialties. Boston Blacking Co., East Cambridge, Mass.
Becco Automobile Specialties. Michigan Motor Specialties Co., Detroit, Mich.
Beck Aro Lamps. Beck Flaming Lamp Co., New York.
Beck Motor Trucks. Beck-Hawkeye Motor Truck Co., Cedar Rapids, Ia.
Becker Balances and Weights. Christian Becker, Inc., New York.
Becker Bell Ringing Transformers. Peerless Light Co., Chicago, Ill.
Becker Milling Machines. Reed-Prentice Co., Worcester, Mass.
Becker Oil Pumps, Die Sinking, Mining and Profiling Machines, Etc. Reed-Prentice Co., Worcester, Mass.
Becker Telephone Cable Terminals. Central Tel. & Elec. Co, St. Louis.
Beckton White Lithopone. E. I. du Pont de Nemours & Co, Inc. (Lithopone, Pigments & Heavy Chemical Div.), Philadelphia, Pa.
Beckwith Pipe Line Swing Check Valves. The Kelly & Jones Co., Greensburg, Pa.
Beco Electric Fixtures. Bryant Electric Co., Bridgeport, Conn.
Bed-A-Way Wall Beds. Roberti Bros., Los Angeles, Cal.
Bedford Cranes, Derricks and Stone Working Machinery. Bedford Fdry. & Machine Co., Inc., Bedford, Ind.
Bedford Hot Water Radiators. National Radiator Co., Johnstown, Pa.
Bedford Screw Drivers. Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
Bed Rock Adjustable Iron Planes. Stanley Works, New Britain, Conn.
Bee Babbitt Metal and Melting Furnaces. Leddell Metals Co., Long Island City, N. Y.
Bee Cee Automobile Supplies. Brown & Caine, Chicago, Ill.
Bee Cotton Mops. Estes Mills, Fall River, Mass.
Bee-Dee Gas and Electric Fixtures. Brandt-Dent Co., Watertown, Wis.
Bee Electric Hair Dryers. Birtman Electric Co., Chicago, Ill.
Bee Hive Urinal Strainers. Milwaukee Brass Mfg. Co., Milwaukee.
Beecher Automobile Wind Shields. Limousine-Carriage Mfg. Co., Chicago, Ill.
Beekman Mercury Testing Columns. Geo. W. Helland, New York.
Beekman Plumbing Specialties. Garrison Brass & Mach. Wks., New York.
Beeko Electric Bells. J. H. Bunnell & Co., New York.
Beeman Tractors. Beeman Tractor Co., Minneapolis, Minn.
Beery Bridle Bits. Imperial Bit & Snap Co., Racine, Wis.
Beeswax Carbon Paper. The C. R. Leonard Co., Seattle, Wash.
Beetle Insecticide Dusters. Leggett & Bro., New York.
Bee-Vac Vacuum Cleaners. Birtman Electric Co., Chicago, Ill.
Beggs Farm Wagons. Beggs Wagon Co., Kansas City, Mo.
Beggs Shaking and Dumping Grates. James Beggs & Co., New York.
Behringer Gas Main Stoppers. Edw A. Behringer, Inc., New York.
Beilman-Seamans Automatic Water Heaters. W. E. Beilman, Buffalo, N. Y.
Belair Double Heating Stove. B. C. Bibb Stove Co., Baltimore, Md.
Beland Self Feeding and Rail Drills. Handlan-Buck Mfg. Co., St. Louis, Mo.; The Aldon Co., Chicago.
Beland Track Drills. The Aldon Co., Chicago.
Belcher Ground Wire Clamps and Strain Yokes. Hubbard & Co., Pittsburgh, Pa.
Belcher's Magazine Cartridge Loader Tools. U. S. Cartridge Co., Lowell, Mass.
Belco Products, Automatic Screen Machine Products. David Bell Co., Inc., The, Buffalo, N. Y.
Belden Automobile Cables. Belden Mfg. Co., Chicago.
Belden Rosin Core Solder. Belden Mfg. Co., Chicago, Ill.
Belden-30 Extra Quality Rubber Covered Power and Lighting Wires and Cables. Belden Mfg. Co., Chicago.
Beldenamel Enameled Magnet Wire. Belden Mfg. Co., Chicago.
Beldenite N. E. C. Rubber Covered Wires and Cables. Belden Mfg. Co., Chicago.
Beldenmold Synthetic Molded Insulation and Parts. Belden Mfg. Co., Chicago.
Beldentape Plain Cotton Tape. Belden Mfg. Co., Chicago.
Belding Patternmakers' Fillet. Shanafelt Mfg. Co., Canton, O.
Belfield Clay Press Cocks. Trenton Brass & Machine Co., Trenton, N. J.
Belfont Pig Iron. Belfont Iron Works, Ironton, O.
Belgian Table Lamps. Dressel Railway Lamp Works, New York.
Believe Me Toilet Paper Holders. Mumford Paper Mills, Inc., Mumford, N. Y.
Bel-Iron Industrial Buildings. Belmont Iron Works, Philadelphia, Pa.
Belknap Addressing Machines. Rapid Addressing Machine Co., New York.
Bell Air Tire Pumps and Oil and Grease Guns. Pump & Mfg. Co., E. Detroit, Mich.
Bell Auto Bumpers. Bell Safety Bumper Co., Brooklyn, N. Y.
Bell Barrel Creamery Churns. Oakes & Burger Co., Cattaraugus, N. Y.
Bell Brand Flax Packing. Belmont Packing & Rubber Co., Phila., Pa.
Bell Drop Hammers and Steam Hammers. Buffalo Foundry & Machine Co., Buffalo, N. Y.
Bell Engine Lathes. Bell Electric Motor Co., Garwood, N. J.
Bell Fireproof and Waterproof Exterior Paints. Acme Asbestos Covering Co., Chicago.
Bell Kerosene Burning Locomotives. Bell Loco. Works, New York.
Bell Motors. Bell Electric Motor Co., Garwood, N. J.
Bell Packing. Restin Clement Co., Philadelphia, Pa.
Bell Wall Beds. Jas. S. Lee, San Francisco, Cal.
Bellamy Mirrorscopes. Novelty Mfg. Co., Waterbury, Conn.
Bellamy Patent Hose Clamps. Bartlett Mfg. Co., Detroit, Mich.
Belldown Pipe. Chicago Flexible Shaft Co., Chicago; Jas. B. Clow & Son, Chicago.
Belle Churns. J. McDermaid, Rockford, Ill.
Belle City Incubators and Brooders. Belle City Incubator Co., Racine, Wis.
Belle City Threshers and Hand Carts, Ensilage and Feed Cutters. Belle City Mfg. Co., Racine, Wis.
Belle City Threshers. International Harvester Co. of Am., Chicago.
Bellefonte Lime. Palmer Lime & Cement Co., New York.
Belleville Threshing Machines. Harrison Machine Wks., Belleville, Ill.
Bellevue Disc Harrows and Seeder Attachments. Ohio Cultivator Co., Bellevue, O.
Bellevue Lawn Mowers. Supplee-Biddle Hardware Co., Philadelphia.
Bellevue Oil Tempering Furnaces. Bellevue Industrial Furnace Co., Detroit, Mich.
Bellevue X-Ray Tubes. T. Machlett & Son, New York.
Bell's Maple Sugar Evaporators. C. S. Bell Co., Hillsboro, O.
Bellwood Garden Hose. Goodall Rubber Co., Philadelphia, Pa.
Belmont Hose. Consolidated Rubber Co., Trenton, N. J.
Belmont Hose and Packing. Restin Clement Co., Philadelphia, Pa.
Belmont Linen Hose. Fabric Fire Hose Co., New York.
Belmont Packings and Rubber Goods. Belmont Packing & Rubber Co., Philadelphia, Pa.
Belmont Packings and Hose. Clement Resteen Co., Philadelphia, Pa.
Belmont Rubber Horseshoe Pads. Firestone Tire & Rubber Co., Akron, O.
Belmont Ship Water Closets. Thos. Laughlin Co., Portland, Me.
Beloit Pyramid Bending Rolls and Slip Roll Forming Machine. Hendley & Whittemore Co., Beloit, Wis.
Beltex Belt Dressing. Chicago Belting Co., Chicago.
Beltfiller Belt Dressing. Chas. A. Schieren & Co., New York.
Belt-Grip Leather Pulleys. Belt Grip Pulley Co., Buffalo, N. Y.
Beltine Belt Dressing. The Beltine Chemical & Mfg. Co., Chicago, Ill., G. W. Galloway, New York.
Belting Wax. Robeson Preservo Co., Pt. Huron, Mich.
Beltnoslip Belt Dressing. Druid Oak Belting Co., Baltimore, Md.
Belto Belting. Belto Mfg. Co., Cincinnati, O.

Belt-Slacker Slack Belt Idler. Harry M. Perry, Los Angeles, Calif.
Beluga Waterproof Belting. Aetna Belting Co., Boston, Mass.
Beman Oil Cabinets, Pumps, Tanks and Oil Cans. Beman Automatic Oil Can Co., Meadville, Pa.
Bemco Automobile Accessories. R. E. Mfg. Co., Long Island City, N. Y.
Bemco Automobile Radiator Covers, Tennis Racquet Covers, Tire Holders and Mechanics' Aprons. B. F. Mfg. Co., New York.
Bemco Steel Balls. Bemco Mfg. Co., New York.
Bement Steam Hammers. Niles-Bement-Pond Co., New York
Bemis Sail Cotton Twine. Gulf Bag Co., New Orleans, La.
Bemis Wire Flue Brush. Worcester Brush & Scraper Co., Worcester, Mass.
Bemus Timers. Motor Specialties Co., Waltham, Mass.
Ben-Bow Desk Telephone Brackets. K. & B. Co., Philadelphia, Pa.
Benco Sockets Benjamin Electric Mfg. Co., Chicago.
Bender Log Carts. Bender Wagon Co., Texarkana, Ark.
Bendhicks Conduit Fittings. Fairmount Electric Mfg. Co., Phila., Pa.
Bendix Engine Starter. Eclipse Machine Co., Elmira, N. Y.
Bendon Couplings. Wallace Supply Co., Chicago.
Benedict Nickel White Metal. American Brass Co., Waterbury, Conn.
Bene-Mereier Rifles. Colt's Patent Fire Arms Mfg. Co., Hartford, Conn.
Benetco Steel Barrels and Cans. Wilson & Bennett Mfg. Co., Chicago.
Benford Golden Giant Spark Plug. Benford Mfg. Co., Mt. Vernon, N. Y.
Benford Stock Lumber. Continental Lumber Co., Houston, Tex.
Bengal Hot Air Furnaces. Floyd-Wells Co., Royersford, Pa.
Ben Franklin Gypsum Land Plaster. U. S. Gypsum Co., Chicago.
Bengal Rubber Belting and Hose. United States Rubber Co., New York.
Bengal Rubber Belting, Hose and Packing. The Mechanical Rubber Co., Cleveland, O.
Bengal Upholstering Webbing and Burlaps. Landers Brother Co., Toledo, O.
Ben Hur Acetylene Lighting Generator. Johnson Acetylene Gas Co., Crawfordsville, Ind.
Ben-Hur Metal Polish. Ben-Hur Metal Polish Co., Crawfordsville, Ind.
Ben-Hur Motor Co. Ben-Hur Motor Co., Cleveland, O.
Ben Hur Tires, Belting Hose. Midland Tire & Rubber Co., Cleveland, O.
Benicia Agricultural Implements. Solano Iron Works, Berkeley, Cal.
Benjamin Air Rifles. Benjamin Air Rifle Mfg. Co., St. Louis, Mo.
Benjamin Blind Hinges. Parker Wire Goods Co., Worcester, Mass.
Benjamin Electrical Supplies. Benjamin Electric Mfg. Co., Chicago.
Benjamin Lumber Load Binders. Am. Logging Tool Co., Evart, Mich.
Benjamin Safety Punch Press Guards; Two-Way Plug. Benjamin Electric & Mfg. Co., Chicago.
Benjamin-Starret Panel Boards and Cabinets. Benjamin Electric Mfg. Co., Chicago, Ill.
Bennet Cable Pullers and Tile Ditching Machines. H. L. Bennet & Co., Westville, O.
Bennett Adjustable Drainage Fittings. Keystone Iron & Steel Wks., Los Angeles, Cal.
Bennett Cabinet Scrapers. Buffalo Pulley & Caster Co., Buffalo, N. Y.
Bennett Curtain Pole Bracket and Emery Wheel Dressers. Bay State Stamping Co., Worcester, Mass.
Bennett Emery Wheel Dressers, Oil Hole Cups, Oil and Grease Cup Lubricator. Bay State Stamping Co., Worcester, Mass.
Bennett Ford Brakes. Bennett Mfg. Co., Oakland, Cal.
Bennett Handy Oil Hole Covers and Cups, Oil and Grease Cups. Bay State Stamping Co., Worcester, Mass.
Bennett Homes. Ray H. Bennett Lumber Co., Inc., New York.
Bennington Scales. Bennington Scale Co., Bennington, Vt.
Benolite Varnishes. Benolite Co., Pittsburgh, Pa.
Benox Devices. Benjamin Electric Mfg. Co., Chicago
Ben-Ox Interchangeable Lighting Devices. Benjamin Electric Mfg. Co., Chicago, Ill.
Bensee Compounds, Core and Parting. Bennett & Seeley, Inc., Bridgeport, Conn.
Benshaw Rail Drills. Pratt & Whitney Co., Hartford, Conn.
Bensing Brick Cutting Machinery. Fate-Root-Heath Co., Plymouth, O.
Bensinger's Iron and Steel Codes. M. R. Bensinger Code Co., Inc., New York.
Bentley Codes. M. R. Bensinger Code Co., Inc., New York.
Benton Radiator Union Nipple Clutch. Jno. Simmons Co., New York.
Benton Spark Plug. L. F. Benton Co., Vergennes, Vt.
Bentonite Clay Products. California Master Products Co., Los Angeles.
Benwood Spark Gaps. Benwood Co., Inc., St. Louis, Mo.
Benzofoam Benzine Soap. Beltine Chemical & Mfg. Co., Chicago, Ill.
Berbrosco Roofing Paint. Berger Bros. Co., Philadelphia, Pa.
Berbrosco Tinners' Oil. Berger Bros. Co., Philadelphia, Pa.
Berco Metal Shingles. Berger Mfg. Co., Canton, O.
Beret Sandstone Curbing. The Cleveland Stone Co., Cleveland, O.
Berg Brick Press. Anderson Foundry & Mach. Wks., Anderson, Ind.
Berg Concrete Surfacing Machines. Concrete Surfacing Machy. Co., Cincinnati, Ohio.
Berg Dry Press Brick Machine. Chicago Brick Mach. Co., Chicago.
Berg Universal Milk Bottle Washer. Berg Mach. Works, Los Angeles.
Bergen Point Wagon. Bergen Point Iron Works, Bayonne, N. J.
Bergenport Sulphur. T. & S. C. White Co., New York.
Berger Transits and Levels. C. L. Berger & Sons, Boston, Mass.
Bergman Tubing. North American Electrical Products Corp., New York.
Bergner Drawing Board. Williams, Brown & Earle, Inc., Phila., Pa.
Bergougnan Rubber Tires. Bergougnan Rubber Corp., Trenton, N. J.
Bergrade Automobile Trunks. Berg Auto Trunk & Specialty Co., New York.
Berkeley Hydrated Lime. Security Cement & Lime Co., Hagerstown, Md.
Berkshire Electric Washing Machines. Pittsfield Machine Tool Co., Pittsfield, Mass.
Berkshire Foundry Riddles, Foundry Vibrators and Air Squeezers. Berkshire Mfg. Co., Cleveland, O.
Berkshire Portland Cement. Geo. W. DeSmet, Chicago.
Berkshire Refrigerators. Arlington Refrigerator Co., Arlington, Vt.
Berkshire Typewriter Papers. Eaton, Crane & Pike Co., Pittsfield, Mass.
Berlin Power-feed Double Cut-off Saw. Wayne Machinery Co., Ft. Wayne, Ind.
Berlin Universal Wood Working Machines. Schaefer Mfg. Co., Berlin, Wis.
Berlin Woodworking Machinery. Berlin Machine Works, Beloit, Wis.
Berloy Metal Ceilings and Sheet Metal Products. Berger Mfg. Co., Canton, Ohio.
Bermico Sheathing Paper. Brown Co., Portland, Me.
Bermuda Hot Air Furnace. Co-Operative Fdry. Co., Rochester, N. Y.
Bermudez Asphalt Cements and Road Asphalt. Barber Asphalt Co., Philadelphia, Pa.
Bermudez Asphalt. Sicilian Asphalt Paving Co., New York.
Bernard Belt Punches, Pliers and Nippers. Wm. Schollhorn Co., New Haven, Conn.
Berners Mucilage Pencils. E. C. Berners, Two Rivers, Wis.
Bernert Grain Blower and Conditioner. Bernert Mfg. Co., No. Milwaukee, Wis.
Bernhard Water Tube Boilers. Kanawha Mine Car Co., Charleston, W. Va.
Berns Electric Starting and Lighting System for Fords. Detroit Electric Welder Co., Detroit, Mich.
Bernstein Metal Berths. Bernstein Mfg. Co., Philadelphia, Pa.
Berquist Steel Ties. E. E. Mullen, Minneapolis, Minn.
Berrigan Filter Presses. Worthington Pump & Mach. Corp., New York.
Berry Boiler Feed Pumps, Regulators, Safety Water Columns. Berry Engineering Co., Chester, Pa.
Berry Box Openers. Arcade Mfg. Co., Freeport, Ill.
Berry Damper Regulators, Feed Water Purifiers, Feed Water Regulators, Pump Governors, Safety Water Columns, Tubular Boilers and Boiler Feed Pumps. Berry Engineering Co., Chester, Pa.
Berrycraft Varnish Stain. Berry Brothers, Inc., Detroit, Mich.
Berry's Tinless Phosphor Bronze Bearing Metal. The Berry Metal Co., New Brighton, Pa.
Berryman Feed Water Heaters. Whitlock Coil Pipe Co., Hartford, Conn.
Berryman Feed Water Heaters and Purifiers. Pratt & Cady Co., Inc., Hartford, Conn.
Berrytone Oil Stains. Berry Brothers, Inc., Detroit, Mich.
Bertha Slab Zinc. The New Jersey Zinc Co., New York.
Berthoud Fruit Jar Wrenches. Cassady Fairbank Mfg. Co., Chicago.
Bertram Metal Polish. N. J. Paint Works, Jersey City, N. J.
Bertsch Blue and Black Prints. Louis Frey & Co., New York.
Berwick Detail Paper. H. Reeve Angel & Co., Inc., New York.
Berwick Electric Rivet Heater. American Car & Fdry. Co., New York.
Berwyn Lavatories. Crane Co., Chicago, Ill.
Beryk Foundry Vibrators. The Beryk Co., Cleveland, O.
Berylite Glassware and Lighting Fixtures. L. Plaut & Co., New York.
Besaw Quality Pneumatic Tires. Besaw Tire & Rubber Co., Hartville, O.
Besco Baking Enamels. P. A. Mets Paint Co., Buffalo, N. Y.
Besgrade Metal Products and Camp Furniture. Kittle Mfg. Co., Los Angeles, Cal.
Besly Disc Grinders, Ringwheel Grinders, Pipe Taps and Reamers, Babbitt Metal, Cement, Glue, Bronze, Sheet and Wire, Grease Cups, Machine Nut Taps and Solid Oil, Besly Titan Abrasive Discs. Chas. H. Besly & Co., Chicago.
Bessemer Gas Engines and Oil Engines. Bessemer Gas Engine Co., Grove City, Pa.
Bessemer Iron Paints. Rinald Bros., Philadelphia, Pa.
Bessemer Motor Trucks. Bessemer Motor Truck Co., Grove City, Pa.
Bessemer Oil Cups. American Lubricator Co., Detroit, Mich.
Bessemer Paving Blocks. Bessemer Limestone Co., Youngstown, O.
Bessemer Rustproof Paint. Rinald Bros., Philadelphia, Pa.
Bessemer Vitrified Paving Brick. Metropolitan Paving Brick Co., Canton, O.
Besser Block and Brick Machines. Besser Mfg. Co., Alpena, Mich.
Bessinger Piston Rings. American Automotive Parts Co., Cleveland.
Bessler Movable Stairway. Bessler Movable Stairway Co., Akron, O.
Best Alarm Clocks. W. L. Gilbert Clock Co., Winsted, Conn.
Best Attachment Plugs. Henry Hyman & Co., Inc., New York.
Best Bass Fish Line. Ashaway Line & Twine Mfg. Co., Ashaway, R. I.
Best Boatspar Varnishes. Newark Varnish Works, Newark, N. J.
Best Boiler Lugs. Jos. T. Ryerson & Son, Chicago.
Best Bros. Keene's Cement. Best Bros. Keene's Cement Co., Medicine Lodge, Kan.
Best by Acid Test Type-Metal. Imperial Type Metal Co., Phila., Pa.
Best Can Openers. W. G. Browne Mfg. Co., Kingston, N. Y.
Best Coal Chutes, Cesspools, Cistern Covers, Chimney Caps and Stock Fountains. Sterling Foundry Co., Sterling, Ill.
Best Elevator and Conveyor Buckets. H. W. Caldwell & Son Co., Chicago, Ill.
Best Elevator Bucket. Link-Belt Company, Philadelphia, Indianapolis, Chicago; H. W. Caldwell & Son Co., Chicago.
Best Ever Metal Polish. Endurance Autoil Co., Muncie, Ind.
Best Ever Oven Thermometers. Electrical Appliance Mfg. Co., Waterbury, Conn.
Best Ever Plows. Moline Plow Co., Moline, Ill.
Best Extinguishers. Adams Fire Extinguisher Works, New York.
Best Extra Heavy Gate Valves. Best Mfg. Co., Pittsburgh, Pa.
Best File Handles. Troy File Works, Troy, N. Y.
Best Floor Finish. Newark Varnish Works, Newark, N. J.
Best Fuel Chute, Japanning and Enameling Stove, Stod Sockets. Sterling Foundry Co., Sterling, Ill.
Best Gasoline and Kerosene Oil Lamps and Hand Lanterns. Best Light Co., Canton, O.
Best Grade Leather Belting. Detroit Oak Belting Co., Detroit, Mich.
Best Hot Air Registers. Best Register Co., Chicago.
Best In the World Butchers Blocks. Wolf, Sayer & Heller, Chicago.
"Best" Lamps. The "Best" Light Co., Canton, Ohio.
Best Made Tool Grinders. Luther Grinder Mfg. Co., Milwaukee, Wis.
Best Maide Bench Grinders. Luther Grinder Mfg. Co., Milwaukee.
Best Paint. C. A. Woolsey Paint & Color Co., Jersey City, N. J.
Best Potato Diggers. Wabers Mfg. Co., Racine, Wis.
Best Quality Brushes, Clothes Lines, Dust Cloths, Dusters, Cotton and Polish Mops, Cotton Rope, Picture, Spooled and Stove Pipe Wire. E. H. Tate Mop & Cordage Co., Boston, Mass.
Best Sad Iron Handles. Enterprise Mfg. Co. of Pa., Philadelphia, Pa.
Best Shoe Blacking. S. M. Bixby & Co., Brooklyn, N. Y.
Best Tracklayer Tractors. C. L. Best Tractor Co., San Leandro, Calif.
Best Universal Locking System. Frank E. Best, Inc., Seattle, Wash.
Best Whip Racks. John H. Best, Galva, Ill.
Best Yet Bath Room Fixtures and Furnishings. Metal Crafters, E. Stroudsburg, Pa.
Best Yet Pressed Steel Manheads. Lukens Steel Co., Coatesville, Pa.
Best Yet Riveting Machines. F. H. Smith Mfg. Co., Chicago, Ill.
Best Yet Rubber Cements. St. Louis Rubber Cement Co., St. Louis, Mo.
Bestallic Packing. W. Chesterton Co., Boston, Mass.
Bestallic Sheet and Wick Packing. The Advance Packing & Supply Co., Chicago.
Bestix Boiler Setting Cement. Jos. W. Hays Corporation, Michigan City, Ind.
Bestmetal Babbitt Metal. Lissberger, Marks & Son, Long Island City, N. Y.
Besto Bottle Box Lock. Beehler Steel Products Co., St. Louis, Mo.
Besto Optical Goods. Bay State Optical Co., Attleboro, Mass.
Bestovall Garbage Receivers. Colonial Fireplace Co., Chicago, Ill.

Best-Ov-All Shovels, Spades and Scoops, Files and Tool Handles, Packing. Pittsburgh Gage & Supply Co., Pittsburgh, Pa.
Bestwall Plaster Board. Bestwall Mfg. Co., Chicago.
Bestwall Wall Boards. Beaver Board Companies, Buffalo, N. Y.
Bestyet Pumps. Lucas Pump & Tool Co., Dayton, Ohio.
Bestyette Mackintoshes. N. Y. Mackintosh Co., Mamaroneck, N. Y.
Best-Yette Varnish. Twin City Varnish Co., St. Paul, Minn.
Beta Colored Cotton Waste. Massasoit Mfg. Co., Fall River, Mass.
Beta Padlocks. E. T. Fraim Lock Co., Lancaster, Pa.
Betaform No. 2 Insect Destroyer. The C. B. Dolge Co., Westport, Conn.
Betco Tools. The Blodgett Engineering & Tool Co., Detroit, Mich.
Betarbest Babbitt Metal. Ohio Metal Co., Columbus, O.
Bettendorf Car Tracks Axles and Bolsters. Bettendorf Co., Bettendorf, Ia.
Bethamy Metallic Gaskets. Metallo Gasket Co., New Brunswick, N. J.
Bethell Process of Creosoted Wood Underground Conduits. Michigan Pipe Co., Bay City, Mich.
Bethel White Granite. Woodbury Granite Co., Hardwick, Vt.
Bethlehem Boring and Milling Machines. Bethlehem Steel Co., Bethlehem, Pa.
Bethlehem Concrete Mixers. Bethlehem Fdry. & Machine Co., Bethlehem, Pa.
Bethlehem Detrick & Harvey Convertible Open Side Planers. Bethlehem Steel Co., Bethlehem, Pa.
Bethlehem Detrick & Harvey Double Housing Planers; Open Side Planers; Horizontal Drilling Machines. Bethlehem Steel Co., Bethlehem, Pa.
Bethlehem Gas Engines and Stay Bolt Iron. Bethlehem Steel Co., Bethlehem, Pa.
Bethlehem Iron and Steel. Bethlehem Steel Co., Bethlehem, Pa.
Bethlehem Motor Trucks. Bethlehem Motors Co., Allentown, Pa.
Bethlehem One-piece Guard Rails. Bethlehem Steel Co., Bethlehem, Pa.
Bethlehem Pumps. Bethlehem Foundry & Mach. Co., Bethlehem, Pa.
Bethlehem Spark Plugs. Silvex Co., South Bethlehem, Pa.
Bethlehem Tool Steels. Bethlehem Steel Co., Bethlehem, Pa.
Bethlehem Weir Power Plant Equipment. Bethlehem Shipbuilding Corp., Ltd., Bethlehem, Pa.
Betson Plastic Fire Brick, Hi-Heat Cement. Betson Plastic Fire Brick Co., Rome, N. Y.
Betsy Ross Electric Irons. Central Flatiron Mfg. Co., Johnson City, N. Y.
Better Bilt Auto Accessories, Electrical, Factory and Office Equipment. Central States Steel Equipment Co., Joliet, Ill.
Better Brushes. Better Brushes, Inc., Palmer, Mass.
Better Built Overalls. Textile Products Co., St. Louis, Mo.
Betterweld Cast Iron Welding Flux. Victor Oxy-Acetylene Equip. Co., San Francisco, Calif.
Betts Flashers. Betts & Betts Corporation, New York.
Betts Welding and Cutting Apparatus, Sign Flashers, Etc. Betts & Betts Corp. New York.
Betty Bright Aluminum Hollow Ware. Massillon Aluminum Co., Massillon, O.
Betty Wales Linoleum and Paints. Goldman Costume Co., New York.
Beverly Pantry Sinks. Sanitas Mfg. Co., Boston, Mass.
Beverly Ratchet Clutch Handles and Wheels. John S. Baker, Beverly, Mass.
Bex Brooms. Lee Broom & Duster Co., Lincoln, Neb.
Beymer-Bauman White Lead. National Lead Co., New York.
Be Ve Be Scythes. North Wayne Tool Co., Hallowell, Me.
Bibb Cordage and Twines. Bibb Mfg. Co., Macon, Ga.
Bibb Laundry Stove and Sanitary Hot Air Furnaces. B. C. Bibb Stove Co., Baltimore, Md.
Bi-Cal-Ky Products (Now Lehigh Products). Hersh Brothers Co., Allentown, Pa.
Bi-Cars Vehicles. W. J. Baker Co., Newport, Ky.
Bickett Automatic Gear and Rack Planer. The Bickett Machine & Manufacturing Co., Cincinnati, O.
Bickford Belts. Bickford & Francis Belting Co., Buffalo, N. Y.
Bickford Boring and Turning and Chucking Machines. H. Bickford & Co., Lakeport, N. H.
Bickford Milling Machine. Bickford Machine Co., Greenfield, Mass.
Bickford-Switzer Drill Grinders. Bickford-Switzer Co., Greenfield, Mass.
Bick Ladle Brick. Crescent Refractories Co., Curwensville, Pa.
Bicknell's Sanding and Polishing Machinery. Bicknell Mfg. & Supply Co., Janesville, Wis.
Bicknell-Thomas Tapping Chucks. Bicknell-Thomas Co., Greenfield, Mass.
Bicycle Playing Card. U. S. Playing Card Co., Cincinnati, O.
Biddle Automobiles. Biddle Motor Car Co., New York.
Bidwell Threshers. Climax Corp., Batavia, N. Y.
Bieneman Typewriter Desks. W. C. Bieneman & Co., Chicago.
Bierce Cable Rollers and Guy Anchors. Specialty Device Co.,Cincinnati.
Bierce Guy Anchors, Guy Wire Protectors and Cable Rollers. The Specialty Device Co., Cincinnati, O.
Bierman Friction Clutch Pulleys. Strite Governor Pulley Co., Minneapolis, Minn.
Biesmann Radio B Batteries. Herbert H. Frost, Chicago, Ill.
Biflex Automobile Bumpers. Biflex Products Co., Waukegan, Ill.
Big-An-Little Concrete Mixers. Jaeger Machine Co., Columbus, O.
Big B Windshield Converting Brackets. The Bruening Windshield Co., Cleveland, O.
Big-Bang Toy Cannons. Toy Cannon Wks., Bethlehem, Pa.
Big Ben Alarm Clocks. Western Clock Co., La Salle, Ill.
Big Ben Door Hangers. Sharon Hardware Mfg. Co., Sharon, Pa.
Big Ben Vacuum Cleaners. Clements Mfg. Co., Chicago, Ill.
Big Bill Padlocks. Sargent & Co., New Haven, Conn.
Big Bull Tractors. Bull Tractors Madison Motors Corp., Minneapolis.
Big Chief Desk Secretary, Desk Pads and Calendars. Robert Dale Co., Los Angeles, Cal.
Big 4 Barn Door Hangers. National Mfg. Co., Sterling, Ill.
Big 4 Steel Doors. The J. G. Wilson Corp., New York.
Big Four Graphite Lubricators Carleton Co., Boston.
Big Four Plaster. United States Gypsum Co., Chicago, Ill.
Big Four Shoe Blacking and Polishes. Whittemore Bros. Corp., Cambridge, Mass.
Big Four Shoveling and End Gate Boards. Peoria Drill & Seeder Co., Peoria, Ill.
Big Giant Cotton Seed Hullers. Diamond Huller Co., Winona, Minn.
Big Giant Picture Hooks. Forsyth Metal Goods Co., E. Aurora, N. Y.
Big Giant Snatch Blocks; Tackle Blocks. Pittsburgh Block & Mfg. Co., Pittsburgh, Pa.
Big Giant Water Closet Pumps. J. E. Kennedy, New York.
Big Giant Wire Stretchers. Hunt, Helm, Ferris & Co., Harvard, Ill.
Big Iowa Corn and Cob Mills. New Winona Mfg. Co., Winona, Minn.
Big Jiffy Paper Clips. L. F. Grammes & Sons, Allentown, Pa.
Big Joe Rail Benders. What Cheer Tool Co., What Cheer, Ia.
Big K. Fence Posts. Kilpatrick Post Co., Oklahoma City, Okla.
Big Red Wagon Dump Wagon. Stroud & Co., Omaha, Neb.
Big Six Radio A Batteries. Herbert H. Frost, Chicago, Ill.
Big Timber Panels and Veneers. Elliott Bay Mill Co., Seattle, Wash.
Bigelow Concrete Inserts. Dayton Malleable Iron Co., Dayton, O.
Bigelow Horizontal Return Tubular Boilers. The Bigelow Company, New Haven, Conn.
Bigelow-Hornsby Water Tube Boilers. Bigelow Co., New Haven, Conn.
Bigelow Inserts and Supports. Dayton Malleable Iron Co., Dayton, O.
Bigeton Concrete Sockets. Fred. Liebrich, Chicago, Ill.
Biggs Pumps. B. F. Biggs Pump Co., LaFayette, Ind.
Bignall & Keeler Pipe Machine. Bignall & Keeler Mfg. Co., Edwardsville, Ill.
Bihlmair Massage Vibrators. W. D. Allison Co., Indianapolis, Ind.
Biland Railway Track Drills. Aldon Co., Chicago, Ill.
Bi-Lateral Fire Hose. The Bi-Lateral Fire Hose Co., Chicago.
Bilchaco Enamels and Cement Floor Coatings. The Billings-Chapin Co., Cleveland, Ohio.
Bill Coaster Wagons. South Bend Toy Mfg. Co., South Bend, Ind.
Billet Cattle Ties. Alexander Halter Factory, Alexandria, O.
Billings Brick Trowels, Hammers, Calking Irons, Marline Spikes. Billings Union Trowel Works, New York.
Billings Wrenches. Billings & Spencer Co., Hartford, Conn.
Billow Fuel Oil Atomizers, Forges and Appliances. National Supply Co., Chicago, Ill.
Billow Fuel Oil Burners (Atomizers), Pumping Systems, Furnaces. National Supply Co., Chicago.
Bi-Loop Hot Water and Steam Radiators. Monitor Bi-Loop Radiator Co., Lancaster, Pa.
Bilt Rite Portable Garages. Dowman-Dozier Mfg. Co., Atlanta, Ga.
Biltin China Bathroom Accessories. Fairfacts Co., Inc., New York.
Bilton Expansion and Adjustable Reamers, Gear Hobbling, Riveting and Slotting Machines. Bilton Machine Tool Co., Bridgeport, Conn.
Bi-Lux Refractor. Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
Bingham Gauge Cocks. Chaplin-Fulton Mfg. Co., Pittsburgh, Pa.
Bingham Machinists' and Coach Makers' Prentiss Vise Co., New York.
Bingham Pumps and Pumping Plants. Bingham Pump Co., Portland, Ore.
Bingham Self-Grinding Gauge Cocks. Wm. Powell Co., Cincinnati, O.
Bingo Alarm Clocks. Western Clock Co., La Salle, Ill.
Bingo Automobile Snap Fasteners. Crandal-Stone Division Brewer Titchener Corp., Binghamton, N. Y.
Bingo Fly Swatter. Lubbers & Bell Mfg. Co., Clinton, Ia.
Binks Cleanall Blow Guns. Binks Spray Equipt. Co., Chicago, Ill.
Binks Spraying and Painting Machines. Binks Spray Equipment & Co., Chicago.
Binne Hard Wax Floor Polish. Chas. H. Brown Paint Co., Brooklyn, N. Y.
Bi-Ox Picker Leather. Ulman Leather Co., Norwich, Conn.
Biram's Anemometers. B. K. Elliott Co., Pittsburgh, Pa.
Birch Pump Valves. Birch Manufacturing Co., Chicago.
Bird-Archer Boiler Compounds. Bird-Archer Co., New York.
Bird Barn Door Hangers. S. B. Martin, Dalton, O.
Bird Cold Water Paints. J. A. & W. Bird Co., Boston, Mass.
Bird Rotary Paper Mill Screens. Bird Mach. Co., E. Walpole, Mass.
Birdsell Farm Wagons. Birdsell Mfg. Co., South Bend, Ind.
Birkholz-Terbeck Gas Burner. Freyn, Brassert & Co., Chicago.
Birmingham Pig Iron. Sloss Sheffield Steel & Iron Co., Birmingham, Ala.
Birmingham Rubber Mill Machinery. Birmingham Iron Fdry., Derby, Conn.
Birmingham Sugar Evaporators. Birmingham Mach & Fdry. Co., Birmingham, Ala.
Birmingham-Danbury Enclosed Rubber Mixer. Birmingham Iron Foundry, Derby, Conn.
Birney Safety Cars. J. G. Brill Co., Philadelphia, Pa.
Bi-Seal Building Material. Sifo Products Co., St. Paul, Minn.
Bishop-Babcock Thermostats. Bishop-Babcock Co., Cleveland, O.
Bishop Car Coupling Handles. Handlan-Buck Mfg. Co., St. Louis.
Bishop Railroad Signal Wire. Western Wire Sales Co., Chicago.
Bishop Sleet Cutter. Holland Trolley Supply Co., Cleveland, O.
Bishop Time Recorders. Bishop Calculating Recorder Co., New York.
Bishopric Stucco or Plaster Board. Bishopric Mfg. Co., Cincinnati, O.
Bishop's "Adamant" Gauge Glass. F. H. Lovell & Co., Arlington, N. J.
Bison Belting. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Bison Corn and Cob Mills. Wolf & Co., Chambersburg, Pa.
Bison Leather Belting. Missouri Belting Co., St. Louis, Mo.
Bison Valve Grinding Compounds. Swan & Finch Co., New York.
Bissell Commutators, Electric Power Generators, Electric Motors, Switchboards and Vacuum Cleaners. F. Bissell Co., Toledo, O.
Bissell Plow Coulters. Ohio Cultivator Co., Bellevue, O.
Bissell Switchboards. The F. Bissell Co., Toledo, O.
Bissell's Carpet Sweepers. Bissell Carpet Sweeper Co., Grand Rapids, Mich.
Bitoslag Asphaltic Concrete Paving Material. Bitoslag Paving Company, New York.
Bitosan Paving Materials. United States Asphalt Refining Co., New York.
Bitose Asphalt. United States Asphalt Refining Co., New York.
Bitous Packing. Allen Packing Co., Collingswood, N. J.
Bituflex Asphalt. Canfield Oil Co., Cleveland, O.
Bitulithic Paving Material. Warren Bros. Co., Boston, Mass.
Bitumastic Enamel. Hill, Hubble & Co., San Francisco, Cal.
Bitumastic Paints. Wailes Dove-Hermiston Corp., New York.
Bitu-Mo-Lin Marine Glue. Kaseno Products Co., Seattle, Wash.
Bitu-Mortar Waterproofing Materials. Bitu-Mortar Waterproofing Co., New York.
Biturine Protective Paint Coatings. Hill, Hubbell & Co., San Francisco.
Bi-Une Interior Telephones. Electric Goods Mfg. Co., Canton, Mass.
Bivolt Flaming Arc Lamps. Felix Hamburger Co., New York.
Blabbs Pat Calf Weaners. Tucker & Dorsey Mfg. Co., Indianapolis.
Black & Tan Woven Belting. Peerless Belting Co., Gardenville, N. Y.
Black Bass Belting. Shultz Belting Co., St. Louis, Mo.
Black Bear Insulating Paper. The Lehon Company, Chicago.
Black Beauty Currycombs. C. J. Bailey & Co., Boston, Mass.
Black Beauty Motor-cycles. Haverford Cycle Co., Philadelphia, Pa.
Black Bird Conveyor Belting. Rosendale-Reddaway Belting & Hose Co., Newark, N. J.
Blackbird Kitchen Sets. Cassady Fairbank Mfg. Co., Chicago, Ill.
Blackbord Cotton Belting. Rossendale-Reddaway Belting & Hose Co., Newark, N. J.
Black Boy Stove Pipe Enamels. Cambria Paint & Color Co., Ltd., Johnstown, Pa.
Black Bros. Bar Clamps. Black Bros. Co., Mendota, Ill.
Black Cat Mop Heads. Hoosier Mfg. Co., Indianapolis, Ind.

Black Champion Scythes. Dunn Edge Tool Co., Oakland, Me.
Black Cloud Packing. The Diamond Rubber Co., Inc., Akron, O.
Black Cross Crucibles. Chicago Crucible Co., Chicago.
Black Cross Gaskets and Packing. Revere Rubber Co., Boston, Mass.
Black Crown Fenders. The Murray Auto-Parts Mfg. Co., Cincinnati, Ohio.
Black Dazzle Baking Enamels. Boston Varnish Co., Boston, Mass.
Black Delta Pump Valves. Hercules Rubber & Supply Co., San Francisco, Calif.
Black Devil Canvas Stitched Belting. National Belting Co., Elyria, O.
Black Diamond Axle Grease. World Refining Co., Easton, Pa.
Black Diamond Band Saw Filing, Setting Machines and Metal Slitting Saws. Black Diamond Saw & Machine Works, Natick, Mass.
Black Diamond Belt Dressing and Belt Fasteners. Black Diamond Mfg. Co., Cincinnati, O.
Black Diamond Belting. Acme Belting Co., Niles, Mich.
Black Diamond Case Hardening Compounds. Rogers & Hubbard Co., Middletown, Conn.
Black Diamond Combination Garment Hanger. Dean & Williams Co., Chicago, Ill.
Black Diamond Core Compound. Black Products Co., Chicago.
Black Diamond Emery Wheel Dressers. J. L. Osgood Tool Co., Buffalo, N. Y.
Black Diamond Files and Rasps. G. & H. Barnett Co., Phila., Pa.
Black Diamond Friction Tape. M. W. Dunton Co., Providence, R. I.
Black Diamond Leather Belting. MacWatty Belting Co., Providence, R. I.
Black Diamond Lime. Crescent Portland Cement Co., Wampum, Pa.
Black Diamond Lunch Boxes. Reading Saddle & Mfg. Co., Reading, Pa.
Black Diamond Mine Hangers. The Electric Railway Equipment Co., Cincinnati, O.
Black Diamond Miners' Safety Lamps and Mining Picks. Hardscog Mfg. Co., Ottumwa, Ia.
Black Diamond Narrow Band Saws. Black Diamond Saw & Machine Wks., Natick, Mass.
Black Diamond Ovens. Roberts Portable Oven Co., Chicago.
Black Diamond Packing. Boston Belting Corp., Boston, Mass.
Black Diamond Paint Brushes. E. Clinton & Co., Philadelphia, Pa.
Black Diamond Polishing Compound. Matchless Metal Polish Co., Chicago.
Black Diamond Ready Roofing. Barrett Co., New York.
Black Diamond Brand Canisters, Wash Boilers, Dinner Pails. Wilkes-Barre Can Co., Wilkes-Barre, Pa.
Black Diamond Removable Screw Calks. Williams Drop Forging Co., Scranton, Pa.
Black Diamond Rubber Packing. Boston Belting Co., Boston, Mass.
Black Diamond Shoe Knives. Luck Mfg. Co., Brockton, Mass.
Black Diamond Spads. Black Diamond Spad Co., Richmond, Va.
Black Diamond Tarred Felt and Pitch, 2 and 3-ply prepared roofing. Barrett Co., New York.
Black Diamond Tool Steel. Crucible Steel Co. of America, Pittsburgh, Pa.
Black Diamond Waterproof Pitch, Roof Coating, Roofing Felts and 2-Ply and 3-Ply Prepared Roofing. Barrett Co., New York.
Black Flag Stove Polish. John M. Wolf Co., Brooklyn, N. Y.
Black Giant Double Stitched Canvas Belting. McElroy Belting & Hose Co., Hammond, Ind.
Black Giant Paints. Swift Paint Co., Cleveland, O.
Black Giant Punch, Shear and Tire Upsetter Combined. Luther Mfg. Co., Olean, N. Y.
Black Hawk Agricultural Implements. The Ohio Cultivator Co., Bellevue, Ohio.
Black Hawk Corn Planters, Drills, Listers, Clod Crushers, Manure Spreaders and Pulverizers. D. M. Sechler Implement & Carriage Co., Moline, Ill.
Black Hawk Corn Planters and Manure Spreaders. Oliver Chilled Plow Works, South Bend, Ind.
Black Hawk Floor Scrapers. Rock Island Mfg. Co., Rock Island, Ill.
Black Hawk Gaskets. Packing. U. S. Rubber Co., New York.
Black Hawk Hand Shellers. A. H. Patch, Clarksville, Tenn.
Black Hawk Lavatories. Crane Co., Chicago, Ill.
Black Hawk Leather Belting. Shultz Belting Co., St. Louis, Mo.
Black Hawk Roofing Paint. Fisher, Thorsen & Co., Portland, Ore.
Blackhawk Socket Wrenches. Amer. Grinder Mfg. Co., Milwaukee.
Black Hawk Waterproof Building Paper. C. B. Hewitt & Bros., New York.
Black Horse Toe-calks. Aetna Nut Co., Southington, Conn.
Black Imp Ranges and Stoves. Gray & Dudley Hdwe. Co., Nashville, Tenn.
Black Jack Gaskets and Packing. Mulconroy Co., Inc., Philadelphia, Pa.
Black Jack Insulating Paper. Geo. Gimbel & Co., Inc., New York.
Black Jack Packing. Walsh Packing Co., Philadelphia, Pa.
Black Jack Sheet Packing. The Henry Johnson Co., Inc., Jersey City, N. J.
Black Jack Tank Heaters. Hunt, Helm. Ferris & Co., Harvard, Ill.
Black Knight Paint. National Roofing Co., Tonawanda, N. Y.
Black Line Linen Hose. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Black Mermaid Rotary Pumps. Blackmer Rotary Pump Co., Petoskey, Mich.
Black Prince Gas Mantles. Welsbach Light Co., Philadelphia, Pa.
Black Seal Belting, Rubber Hose. Home Rubber Co., Trenton, N. J.
Black Silk Stove Polish. Black Silk Stove Polish Wks., Sterling, Ill.
Black Squadron Packing. Cancos Mfg. Co., Philadelphia, Pa.
Black Star Pump Leather. C. F. Adams, Fort Worth, Texas.
Black Stripe Inner Auto Tubes. Rubber Products Corp., Shelton, Conn.
Black Stripe Inner Automobile Tubes. Rubber Productions Co., Barbertown, O.
Black Swan Waterproof Leather Belting. Seattle Belting & Supply Co., Seattle, Wash.
Black Twist Augers and Bits. Job T. Pugh, Inc., Philadelphia, Pa.
Black Twist Auger Bits. Job T. Pugh, Philadelphia, Pa.
Black Velvet Cushion Springs. National Spring & Wire Co., Albion, Mich.
Black Velvet Tires. The Diamond Rubber Co., Inc., Akron, O.
Black Wing Packing. Goodyear Rubber Co. & Rubber Clothing Co., New York.
Blackall Hand Brakes. Robert H. Blackall, Pittsburgh, Pa.
Blackat Roofing Cement and Coatings. Alcatraz Co., Richmond, Va.
Black-Bear Waterproofing Paper and Paint. Lehon Co., Chicago, Ill.
Blackburn Ground Clamps. Blackburn Specialty Co., Not Inc., Cleveland, O.
Blackburn Ground Connection Clamps. Blackburn Specialty Co., Cleveland, O.
Blackburn Guy Clamps. Everstick Anchor Co., St. Louis, Mo.
Blackburn Neverslip Cable Hangers. Everstick Anchor Co., St. Louis, Mo.
Blackburn Row Locks. Thos. Laughlin Co., Portland, Me.; Wilcox, Crittenden & Co., Middletown, Conn.
Blackburn's Boltless Guy Clamps, Strain Insulators & Wire Splicers; Telescopic Auger Handles. Everstick Anchor Co., St. Louis, Mo.
Blackcord Garden Hose. Electric Hose & Rubber Co., Wilmington, Del.
Blacker Smithing Hammers. Blacker Engineering Co., Inc., New York.
Blackerblack Liquid Black Oil Paint. Campbell Glass & Paint Co., St. Louis, Mo.
Blackfin Rubber Hose. Electric Hose & Rubber Co., Wilmington, Del.
Blackman Blowers, Fans and Ship Ventilating Apparatus. Howard & Morse, New York.
Blackman Ventilator Fans. Howard & Morse, New York.
Blackola Shoe Blacking and Polishes. World Polish Mfg. Co., York, Pa.
Blackrib Garden Hose. Elec. Hose & Rubber Co., Wilmington, Del.
Blackrock Mechanical Rubber Goods. Canfield Rubber Co., Bridgeport, Conn.
Blackross Cement. South Eastern Lime Cement Co., Charleston, S. C.
Blacksmoke Braided Hose, Garden Hose. Electric Hose & Rubber Co., Wilmington, Del.
Blacksnake Rubber Hose. Elec. Hose & Rubber Co., Wilmington, Del.
Blackstone Clothes Washing Machines and Wringers. Blackstone Mfg. Co., Jamestown, N. Y.
Blackstone Fenders. Baltimore Car & Fdry. Co., Baltimore, Md.
Blackstone Leather Belting. Bennett-McGuire Belting Co., St. Louis, Mo.
Blackthorn Packing. Crandall Packing Co., Palmyra, N. Y.
Blacktop Garden Hose. Elec. Hose & Rubber Co., Wilmington, Del.
Blackwell Auto Exhaust-Heater. Dalton Welding Co., Dayton, O.
Blacquer Black Paint. Samuel Cabot, Inc., Boston, Mass.
Blades Gunmetal Lacing Studs. Mnfrs. Belt Hook Co., Chicago, Ill.
Blades Products. National Ticket Case Co., Chicago.
Blaich Carbonizer. Alfred O. Blaich Co, Chicago, Ill.
Blair Firemen's Axes. American Axe & Tool Co., Glassport, Pa.
Blair Hog Rings. Heesen Bros. Co., Tecumseh, Mich.
Blair Hog Rings. Wm. E. Pratt Mfg. Co., Chicago, Ill.
Blair Hog Rings. F. P. Smith & Co., Sharon Hill, Pa.
Blair Tie Spacer. The Maintenance Equipment Co., Chicago.
Blaisdell Filter Washing Machines. Blaisdell Co., Los Angeles, Calif.
Blaisdell Sewage Ejectors. Blaisdell Machinery Co., Bradford, Pa.
Blake-Denison Weighing and Recording Machines. Automatic Weighing Corporation, New York.
Blake Floor Drains and Cleanouts. Blake Spec. Co., Rock Island, Ill.
Blake Insulated Staples and Compressed Cleats. Blake Signal and Mfg. Co., Boston, Mass.
Blake Jaw Crusher. Kennedy Van Saun Mfg. & Eng. Corp., New York.
Blake Lawn Sprinklers. W. D. Allen Mfg. Co., Chicago.
Blake Rock Crushers. Chalmers-Williams Mfg. Co., Chicago Heights, Ill. Phillips & McLaren, Pittsburgh, Pa. Walker Mfg. Co., Denver, Colo.
Blake Rock and Ore Crushers. Yagle Foundry & Machine Co., Pittsburgh, Pa.
Blake Screw Driver and Gimlet Bits. C. E. Jennings, New York.
Blake Vises. Prentiss Vise Co., New York.
Blake Yellow Metal Piston Rings. Blake Piston Ring Co., Seattle, Wash.
Blake-Knowles Core. Worthington Pump and Machinery Corp., New York.
Blake's Belt Fastener. Greene, Tweed & Co., New York.
Blake's Belt Studs. Mfrs., Belt Hook Co., Chicago; Greene Tweed & Co., New York.
Blakeslee Bolt Heading Machines. Ajax Mfg. Co., Cleveland, O.
Blakeslee Dish Washing and Bread Slicing Machines, Potato Mashers and Vegetable Parers. G. S. Blakeslee & Co., Cicero, Ill.
Blakeslee Engines, Veneer Lathe. American-Blakeslee Mfg. Co., Birmingham, Ala.
Blakeslee Glass Washers, Rotary Dishwashers, Potato Peelers, Ice Cubers and Shavers, Knife Polishers, Trucks, Etc. G. S. Blakeslee & Co., Cicero, Ill.
Blakeslee Niagara Metal Parts Cleaning Machines. G. S. Blakeslee & Co., Cicero, Ill.
Blakeslee Steam Pumps, Jet Pumps and Air Compressors. Blakeslee Mfg. Co., Duquoin, Ill.
Blakeslee Veneer Cutting Machy. American Blakeslee Mfg. Co., Birmingham, Ala.
Blakspot Enamel. The Simoniz Co., Chicago.
Blanchard Churns. Hall Bros. Co., West Acton, Mass.
Blanchard Oil Engines and Surface Grinders. Blanchard Machine Co., Cambridge, Mass.
Blanchard Tire Detacher Tools. A. W. Blanchard, Brooklyn, N. Y.
Blanchard's Surface Grinders. The Blanchard Machine Co., Cambridge, Mass.
Blanco Cleaning Compounds and Soap Powder. Pacific Chemical Co., Los Angeles, Calif.
Blank's Home Made Planks. Schuh-Mason Lumber Co., Cairo, Ill.
Blauwelt Lead Roof Flange. The F. N. DuBois Co., Inc., New York.
Blaw Self-dumping Buckets. Blaw-Knox Co., Freeport Rd, Hoboken, Pa.
Blawforms Concrete Forms. Blaw-Knox Co., Pittsburgh, Pa.
Blaw-Knox Steel Forms for Concrete Construction; Concrete Mixers; Clamshell Buckets, Fabricated Structural Steel; Transmission Towers; Steel Mill Buildings and Manufacturing Plants; Steel Plate Work. Blaw-Knox Co., Pittsburgh, Pa.
Blaw-Ransomixer Concrete Mixer. Blaw-Knox Company, Pittsburgh, Pa.
Blazshine Automobile Enamels. Twin City Varnish Co., St. Paul, Minn.
Blaze Furnaces. Tubular Heating & Ventilating Co., Philadelphia, Pa.
Blazer Salamanders. Jas. H. Channon Mfg. Co., Chicago.
Bleo Composition Roofings. Blount Lumber Co., Lacona, N. Y.
Blessing Steam Traps, Valves and Pump Governors. Albany Steam Trap Co., Albany, N. Y.
Blevney Friction Clutches. Production Mach. Co., Greenfield, Mass.
Blie Line Screw Drivers. Harding Mfg. Co., Mansfield, Mass.
Blighty Decorative Lights. C. D. Wood Electric Co., New York.
Bliss Presses, Dies and Special Machinery. E. W. Bliss Co., Brooklyn.
Bliss System Car Lighting. U. S. Light & Heating Corp., New York.
Blitz Kitchen Knives. Washington Cutlery Co., Watertown, Wis.
Blitz Paint & Varnish Remover. Eugene Arnstein Paint Co., Chicago.
Blitzger Transformers. Clapp-Eastham Co., Cambridge, Mass.
Blizzard Engine Classification Lamps. R. E. Dietz Co., New York.
Blizzard Ensilage Cutters. Jos. Dick Mfg. Co., Canton, O.
Blizzard Hand Lanterns. R. E. Dietz Co., New York.

Blizzard Hay Knives. Dunn Edge Tool Co., Oakland, Me.
Blizzard Ice Cream Freezers. North Bros. Mfg. Co., Philadelphia.
Blizzard Insect Guns. Thos. W. Houchin Co., New York.
Blizzard Railway Lamps. Handlan-Buck Mfg. Co., St. Louis, Mo.
Blizzard Water Coolers. Standard Stamping Co., St. Louis, Mo.
Block Boiler Compound. Hawk-Eye Compound Co., Blue Island, Ill.
Block Line Garden Hose. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Blocki Garden Cultivators and Clover Bunchers. F. Blocki Co., Sheboygan, Wis.
Blomquist-Eck Drill. The Blomquist-Eck Machine Co., Cleveland, O.
Blondin Aeroplanes, Parts, Etc. American Air Commerce Corp., Los Angeles, Calif.
Blood Bros. Universal Joints. Blood Bros. Mach. Co., Allegan, Mich.
Blood Turret Lathes. S. A. Woods Machine Co., Boston, Mass.
Blood's Axes. American Axe & Tool Co., Glassport, Pa.
Blood's Waterproofing Materials. T. L. Blood & Co., St. Paul, Minn.
Bloomfield Belting, Hose, Packing. Combination Rubber Mfg. Co., Bloomfield, N. J.
Blount Door Checks. Worcester Mfg. Co., Worcester, Mass.
Blount Gasoline Engines. Blount Engineering Co., Boston, Mass.
Blount Grinding, Polishing and Buffing Machines. J. G. Blount Co., Everett, Mass.
Blount Potato Diggers. Blount Plow Works, Evansville, Ind.
Blow-er Clean (Portable Electric Blower with Suction Attachments). The Martindale Electric Co., Cleveland, O.
Blower Ensilage Cutters. Silver Mfg. Co., Salem, O.
Blox-O Games. Lubbers & Bell Mfg. Co., Clinton, Ia.
Bloxonend Flooring. Carter Bloxonend Flooring Co., Kansas City, Mo.
Blue Bell Batteries. Western Electric Co., New York.
Blue Bell Suction Hose. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Blue Bird Electric Clothes Washer. Davis Sewing Machine Co., Dayton, Ohio.
Blue Bird Racing Aeroplane. Ideal Aeroplane & Sup. Co., New York.
Blue Bird Rubber Belting and Air Drill Hose. New York Rubber Co., New York.
Blue Bird Rubber Hose and Belting. New York Rubber Co., New York.
Blue Bird Talking Machines. Blue Bird Talking Machine Co., Los Angeles, Calif.
Blue Blood Packing. Chas. L. Ireson, Boston, Mass.
Blue-Bunny Canned Goods. National Packing Corp., Ogden, Utah.
Blue Center Steel Rope. John A. Roebling's Sons Co., Trenton, N. J.
Blue Chain Cotton Hose. Empire Mfg. Co., Lockport, N. Y.
Blue Chip High Speed Steel. Firth-Sterling Steel Co., McKeesport, Pa.
Blue Clip Crucible Tool Steels. Firth-Sterling Steel Co., McKeesport, Pa.
Blue Devil Pneumatic Tools. King Pneumatic Tool Co., Chicago.
Blue Diamond Lime, Plaster, Stucco and Builders' Materials. Blue Diamond Materials Co., Inc., Los Angeles, Calif.
Blue Diamond Sheet Packing. Combination Rubber Mfg. Co., Bloomfield, N. J.
Blue Edge Brake Lining. Woven Steel Hose & Rubber Co., Trenton, N. J.
Blue End Open Hearth Steel. Hawkridge Bros. Co., Boston, Mass.
Blue Flag Metal Derails. Madden Co., Chicago.
Blue Grass Axle Grease. Indian Refining Co., New York.
Blue J Paste White, Combination Lead and Zinc. R. F. Johnston Paint Co., Cincinnati, O.
Blue Jacket Cover Hose. Gutta Percha & Rubber Mfg. Co., New York.
Blue L Steel Preservative. Jas. H. Prince Paint Co., Boston, Mass.
Blue Label Miners' Squibs. E. I. du Pont de Nemours & Co., Inc., Explosives and Smokeless Powder Depts., Wilmington, Del.
Blue Label Spring Wire. Webb Wire Works, New Brunswick, N. J.
Blue Label Stencil Paper. Joseph T. Pope, Chicago.
Blue Line Logging Tools. American Logging Tool Co., Evart, Mich.
Blue Line Screw Drivers. Harding Mfg. Co., Mansfield, Mass.
Blue Ribbon Auto Body Glass. International Metal Polish Co., Indianapolis, Ind.
Blue Ribbon Belt Dressing. Jobbers Mfg. Co., Chicago; Webb Belting Co., Kansas City, Mo.
Blue Ribbon Corn Brooms. Chas. Plunkett, New York.
Blue Ribbon Electric Milker. The Electric Milker Corp., Chicago.
Blue Ribbon Grass Hooks. Dunn Edge Tool Co., Oakland, Me.
Blue Ribbon Imitation Leather Fabrics. Merrimack Mfg. Co., Lowell, Mass.
Blue Ribbon Kitchen Enameled Ware. National Enameling & Stamping Co., New York.
Blue Ribbon Metal Polish, Stove Polish and Automobile Soap. International Metal Polish Co., Indianapolis, Ind.
Blue Ribbon Playing Cards. Russell Playing Card Co., New York.
Blue Ribbon Polish, Oil Soap, etc. International Metal Polish Co., Indianapolis, Ind.
Blue Ribbon Pyralin Collars and Cuffs. E. I. du Pont de Nemours & Co., Poughkeepsie Plant, Poughkeepsie, N. Y.
Blue Ribbon Wire Fencing. Keystone Steel & Wire Co., Peoria, Ill.
Blue Ribbon Work Shoes. Brown Shoe Co., Inc., St. Louis, Mo.
Blue Ribbon Woven Wire Fences and Wire Poultry Netting. Keystone Steel & Wire Co., Peoria, Ill.
Blue Ridge Clay. R. T. Vanderbilt Co., New York.
Blue River Lime. Louisville Cement Co., Louisville, Ky.
Blue River Lump Lime. Louisville Cement Co., Louisville, Ky.
Blue Rock Cement Plaster. Grand Rapids Plaster Co., Grand Rapids, Mich.
Blue Rock Shooting Traps. Chamberlain Cartridge & Target Co., Cleveland, O.
Blue Seal Dry Batteries. Manhattan Elec. Sup. Co., New York.
Blue Seal Padlocks. Fraim-Slaymaker Hdwe. Co., Inc., Lancaster, Pa.
Blue Seal Rock Wall Plaster. Rock Plaster Mfg. Co., New York.
Blue Seal White Lead. Wm. Waterall & Co., Camden, N. J.
Blue Star Corn Planters, Pumps and Windmills. Wistrand Mfg. Co., Galva, Ill.
Blue Star Sanitary Wiping Rags. Sanitary Rag Co., Kalamazoo, Mich.
Blue Steel Belting and Hose. Crandall Packing Co., Palmyra, N. Y.
Blue-Skin Belt Lacing. W. H. Salisbury & Co., Inc., Chicago.
Blue Streak Blue Print Machines. Revolute Machine Company, New York.
Blue-Streak Drag Saw Machines. W. H. Worden Co., San Francisco.
Blue Streak Can Opener. Turner & Seymour Mfg. Co., Torrington, Conn.
Blue Tip Bronze Rods, Castings, Forgings, Etc. Mueller Metals Co., Port Huron, Mich.
Blue Velvet Belt Lacing. California Tanning Co., St. Louis, Mo.
Blueridge Leather Belting. Charlotte Leather Belting Co., Charlotte, N. C.
Bluenose Trucks. Sharon Pressed Steel Co., Sharon, Pa.
Blueskin Belt Lacing. Henry K. Barnes Co., Boston, Mass.
Bluestone Kitchen Enameled Ware. John Dunlap Co., Carnegie, Pa.
Bluex Tracing Paper. Cardinell Vellum Mfg. Co., Montclair, N. J.
Blu-Skin Leather Belt Lining. Osborn Mfg. Co., Cleveland, O.
Blundell Automatic Feed Water Regulators. Blundell & Son, Los Angeles, Calif.
Bluvel Tracing Paper. Cardinell Vellum Mfg. Co., Montclair, N. J.
Blystone Concrete, Plaster and Mortar Mixer. Blystone Mfg. Co., Cambridge Springs, Pa.
Blystone Core Sand and Facing Mixer. The Blystone Mfg. Co., Cambridge Springs, Pa.
Bo-Arrow Galvanized Cross Arms. Hubbard & Co., Pittsburgh, Pa.
Bo Arrow Steel Crossarms for high tension lines. Hubbard & Co., Pittsburgh, Pa.
Boardman Pump Governors. Locke Regulator Co., Salem, Mass.
Boaz Concrete Mixers. Boaz Mfg. Co., Eau Claire, Wis.
Bob Laundry Stoves. Gray & Dudley Hardware Co., Nashville, Tenn.
Bob White Revolving Hay Rakes. Ohio Rake Co., Dayton, Ohio.
Bob White Toilet Paper. A. P. W. Paper Co., Albany, N. Y.
Bobrick's Cloudy Ammonia. National Paper Products Co., San Francisco.
Boca Solid Steel Sash, Tubular Steel Doors and Partitions. The Begert-Carlough Co., Paterson, N. J.
Bochm Die Heads. The Rickert Shafer Co., Erie, Pa.
Bock Automobile and Bearings. Standard Parts Co., Albany, N. Y.
Bock Roller Bearings. Bock Bearing Co., Toledo, O.
Bocorselski Universal Joints. Baush Machine Tool Co., Springfield, Mass.
Bodden Flyers. Thos. Mayor & Son, Providence, R. I.
Bode Farm Wagons. Bode Wagon Co., Cincinnati, O.
Body-Tone Auto Cleanser and Polish. Bar-Lac Co., Oakland, Calif.
Bogalusa Extra Dense Longleaf Southern Pine Lumber. Great Southern Lumber Co., Bogalusa, La.
Bogart Pianos and Player Pianos. Bogart & Co., New York.
Bohler's Styrian Tool Steel and High Speed Steel. American Agents, Houghton & Richards, Inc., Boston, Mass.
Bohn Dining Car Refrigerators and Ice Breakers. Bohn Refrigerator Co., St. Paul, Minn.
Bohn Refrigerator Tanks, Siphon Refrigerators. Bohn Refrigerator Co., St. Paul, Minn.
Bohn Syphon Refrigerators. Bohn Refrigerator Co., St. Paul, Minn.
Bohnite Carbonizing Material. Case Hardening Service Co., Cleveland, O.
Boicourt Deep Well Pumps. Midland Brass Wks., Inc., Ft. Worth, Tex.
Boiler Kote Stationary and Locomotive Boiler Compound. Payton Lumber & Supply Co., St. Louis, Mo.
Boilerine Boiler Compound. Straus Boilerine Co., New York.
Boiler Life Scale Remover. American Boiler Life Co., Boston, Mass.
Boilerseal Boiler Coating. The Acorn Refining Co., Cleveland, O.
Boilo Dental and Surgical Instruments. Specialty Mfg. Co., Spruce, N. Y.
Bois D' Arc Insulator Pins and Brackets. Central Telephone & Elec. Co., St. Louis, Mo.
Bois Iron Stairs. United States Metal Products Co., San Francisco.
Boker Iron and Steel Products. H. Boker & Co., Inc., New York.
Boker's Automatic Razor Stroppers. Boker Cutlery & Hardware Co., Inc., Duane, N. Y.
Boko Pails and Buckets, Collapsible. Defiance Weldg. Co., Defiance, O.
Bokop Tire Heating Furnaces and Tire Setters. Bokop, Webb & Palm, Defiance, O.
Boland All Steel Bushed Roller Chains and Sugar Cane Carrier Feeders. Boland Mach. & Mfg. Co., New Orleans, La.
Boland Positive Pressure Blowers, Centrifugal Dryers, Ventilating Fans, Polishing Machines, Vacuum Pumps, Sand Blast Machines, Dust Colectors, Lathes and Burnishing Machines. J. H. Astle Co., Providence, R. I.
Bolens Power Hoe. Gilson Mfg. Co., Port Washington, Wis.
Bolger Grease Traps. Success Mfg. Co., Gloucester, Mass.
Bolinders Meat and Food Choppers, Saw Mill and Wood Working Machinery. Bolinders Co., New York.
Bolivian Hose. Cincinnati Rubber Mfg. Co., Cincinnati, O.
Boller Mop Wringers and Janitor Supplies. Peter Boller Mach. Wks., Chicago, Ill.
Bolles Reversible Window Sash. Aerial E. Bolles, New York.
Bolo Portable Ovens. Griswold Mfg. Co., Erie, Pa.
Bolte Continuous Concrete Mixer. Bolte Mfg. Co., Kearney, Neb.
Boltless Rail Joint. Railway & Traction Supply Co., Chicago.
Bolton Band Saw Patch and Saw Filing Machinery. Baldwin, Luth & Bolton, Grand Rapids, Mich.
Bolton Boilers. Detroit Heating & Lighting Co., Detroit, Mich.
Bolton Orchard Heaters. W. R. Ames Co., San Francisco, Cal.
Bommer Door Holders, Hinges and Springs. Bommer Spring Hinge Co., Brooklyn, N. Y.
Bonanza Apple Parer and Vegetable Parer. Goodell Co., Antrim, N.H.
Bonanza Badger Lubricators. Chas. H. Besley & Co., Chicago, Ill.
Bonanza Crayons. Standard Crayon Mfg. Co., Danvers, Mass.
Bonanza Gasoline Blast Soldering Furnaces. Turner Brass Works, Syracuse, Ill.
Bonanza Harrows. Madison Plow Co., Madison, Wis.
Bonanza Harrows. Rock Island Plow Co., Rock Island, Ill.
Bonanza Lawn Swings. Goshen Churn & Ladder Co., Goshen, Ind.
Bonaqua Flax Packing. Wm. L. McLellan, Norwalk, Conn.
Bonar Gauge Cocks and Oil Filters. Jas. Bonar & Co., Pittsburgh, Pa.
Bond Crown Corks, Caps and Tubes. Bond Mfg. Co., Wilmington, Del.
Bond Journal Bearings. Bond Foundry & Machine Co., Manheim, Pa.
Bond Posts. Bond Steel Post Co., Adrian, Mich.
Bond Power Transmitting Specialties. Bond Foundry & Mach. Co., Manheim, Pa.
Bond Roller Bearings. Bond Foundry & Machine Co., Manheim, Pa.
Bond Truck Casters. Bond Foundry & Machine Co., Manheim, Pa.
Bondaron Leather Belting. Chas. Bond Co., Philadelphia, Pa.
Bondex Leather Belting. Charles Bond Co., Philadelphia.
Bondex Middlegrip Cone Belting. Charles Bond Co., Philadelphia, Pa.
Bondkote Waterproofing Materials. Thompson & Co., Pittsburgh, Pa.
Bondural Leather Belting. Chas. Bond Co., Philadelphia, Pa.
Bone Black Water Filter. Everson Filter Co., Chicago, Ill.
Bonham Fire Brick. Seaboard Refractories Co., Perth Amboy, N. J.
Bonham Tire Air Pumps. Judd & Leland Mfg. Co., Clifton Springs, N. Y.
Bonham Traffic Recorder. The Bonham Recorder Co., Hamilton, O.
Bonic Salts, Quick Plating Salts. The Harshaw, Fuller & Goodwin Co., Cleveland, O.
Bonita Cable Rings. Cameron Appliance Co., Everett, Mass.
Bonita Carpet Nails. Milwaukee Tack Co., Milwaukee, Wis.
Bonnaz Embroidery Machines. Durbrow & Hearne Mfg. Co., New York.
Bonnell's Stove Pipe Enamels. Nubian Paint & Varnish Co., Chicago.
Bonner Cement. Bonner Portland Cement Co., Kansas City, Mo.
Bonner Fire Extinguishers. S. F. Hayward & Co., Elmira, N. Y.
Bonner Life Saving Nets. S. F. Hayward & Co., New York.

Bonnetless Hot Water Radiator Valve. The Kelly & Jones Co., Greensburg, Pa.
Bonney Bench Vises and Wrenches. Bonney Forge & Tool Co., Allentown, Pa.
Bonney Blue Lead Pencils. American Lead Pencil Co., New York.
Bonney Hollow Augers. Buckeye Mfg. Foundry Co., Cleveland, O. E. C. Stearns & Co., Syracuse, N. Y.
Bonney Vises and Wrenches. Bonney Forge & Tool Wks., Allentown, Pa.
Bonnie Hammer Handles. American Handle Co., Jonesboro, Ark.
Bonnot Pulverizer and Separator. The Bonnot Co., Canton, O.
Bonoyd Car Movers and Replacers. Bonney Floyd Co., Columbus, O.
Bonzano Rail Joints. The Q. & C. Co., New York.
Bonzano Thomson Rail Insulating Joints. Q. & C. Co., New York.
Bools Oil and Gasoline Pumps. A. C. Kraft, Chicago, Ill
Boomer Grass Catchers. R. F. Krause, Zion City, Ill.
Boomer Hay Carriers. Milwaukee Hay Tool Co., Milwaukee, Wis.
Boomer Hot Air Furnaces and Steel Ranges. Hess, Snyder Co., Massillon, O.
Boone Cement and Wood Fibre Wall Plaster. Southern Gypsum Co., North Holston, Va..
Boone Kitchen Cabinets. Campbell-Smith-Ritchie Co., Lebanon, Ind.
Booner Burners, Furnaces, Regulators, Heaters. Hess-Snyder Co., Massillon O.
Boone Wood Fiber Gypsum. Southern Gypsum Co. (Inc.), North Holston, Va.
Boonton-Bakelite Molded Insulations. Boonton Rubber Mfg. Co., Boonton, N. J.
Boos Oil Engines. Boos Oil Engine Co., St. Marys, O.
Boosey's Catch Basin Covers and Water Closet Bends. Greenwood Mfg. Co., Detroit, Mich.
Booster Fish Bait. J. G. Henzel, Chicago, Ill.
Booster Hand Brakes. Universal Draft Gear Attachment Co., Chicago.
Booth Axe Handle Lathers. Loetzer Valve & Mfg. Co., Monroeton, Pa.
Booth Bushings, Buttons, Diaphragms, Felt, Gaskets, Insulators, Lubricators, Oilers, Packing Rings, Seats, Washers and Wheels and Felt Specialties. The Booth Felt Co., Brooklyn, N. Y.
Booth Felts. Booth Felt Co., Brooklyn, N. Y.
Booth Lime-Soda Water Softeners. The Refinite Co., Omaha, Neb.
Booth Stock Fountains. Maytag Co., Newton, Ia.
BoothWater Softeners. L. M. Booth Co., Nutley, N. J.
Borax-Ettee Welding Compounds. Cortland Welding Compound Co., Cortland, N. Y.
Borcherdt Fishing Tackle Boxes. A. C. Kraft, Chicago.
Borcherdt Fishing Tackle Boxes. Wilson F. Cortez Co., Chicago, Ill.
Bordeau Bucket Spray Pumps. Goulds Mfg. Co., Seneca Falls, N. Y.
Bordeaux Pumps. Goulds Mfg. Co., Seneca Falls, N. Y.
Bordeaux Spray Nozzle. Deming Co., Salem, O.; F. E. Meyers & Bro., Ashland, O.
Bordeaux Water Tube Boilers. Toledo Shipbuilding Co., Toledo, O.
Borden's Grab Hooks. Wallingford Mfg. Co., Wallingford, Vt.
Bordo Expansion Joints, Gauge Cocks, Locomotive Stop Valves. L. J. Bordo. Inc., Philadelphia, Pa.
Bordo Swing Joints, Feed Water Regulators, Water Columns and Valves. L. J. Bordo Co., Philadelphia, Pa.
Bordow Insecticide. The Dow Chemical Co., Midlance, Mich.
Boreas Cottonseed Oil. Procter & Gamble Co., Cincinnati, O.
Boreas Pneumatic Hammer Air Hose. Voorhees Rubber Mfg. Co., Jersey City, N. J.
Borer Bell Cord Hangers. The Dayton Mfg. Co., Dayton, O.
Borg & Beck Single-Plate Dry Clutch. The Borg & Beck Co., Moline, Ill.
Borgeson Universal Joints. Borgeson Mfg. Co., Inc., Torrington, Conn.
Born Electric Dishwasher. Born Steel Range Co., Cleveland, O.
Born Electric Railway Signals. American Signal Co., Kansas City, Mo.
Borofiux Boron Carbide. General Electric Co., Schenectady, N. Y.
Borolon Polishing Grain; Grinding Wheels; Rubbing Bricks. Abrasive Co., Philadelphia, Pa.
Borolon Grinding Wheels, Rubbing Bricks. Abrasive Co., Philadelphia, Pa.
Boron-Copper Products. American Boron Products Co., Inc., Reading, Pa.
Boron Foundry Flux. American Boron Products Co., Reading, Pa.
Boro-Silica Glass Insulators. Lock Insulator Mfg. Co., Victor, N. Y.
Borroughs Towel Cabinets. Borroughs Additional Towel System, Oakland, Cal.
Borthwick Saw Sharpening Machines. Henry Disston & Sons, Phila.
Bosalt Boiler Compounds. Thomsen Chemical Co., Baltimore, Md.
Bosch Gas Igniters. Bosch Magneto Co., New York.
Bosch Igniters. Am. Bosch Magneto Corp., Springfield, Mass.
Bosco Automobile Lubricators. Beereis & Bossich Co., Div. of the Bossich Co., Bridgeport, Conn.
Bosley's Weather Strips. D. W. Bosley Co., Chicago, Ill.
Boson Lubricators. Wm. Powell Co., Cincinnati, O.
Boss Air Blast Grain Loaders and Crib Pillers. Maroa Mfg. Co., Maroa, Ill.
Boss Bath and Basin Traps. Ireland & Matthews Mfg. Co, Detroit.
Boss Beaders. Bits, Cutters, Expanders, Punches, Boiler Makers' Tools, etc. J. Faessler Mfg. Co., Moberly, Mo.
Boss Bed and Furniture Casters. Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
Boss Boilers. E. W. Whitehurst, Norfolk, Va.
Boss Boring Machines. Hardware Specialty Mfg. Co., Anderson, Ind.
Boss Casters. Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
Boss Clothes Washing Machines. Boss Washing Machine Co., Cincinnati, O.
Boss Concrete Mixers. American Cement Machine Co., Keokuk, Ia.; Dyar Supply Co., Cambridge, Mass.
Boss Cordage and Twines. Bibb Mfg. Co., Macon, Ga.
Boss Couplings. Dixon Valve & Coupling Co., Philadelphia, Pa.
Boss Cream Separators; Stock Founts. Bluffton Mfg. Co., Bluffton, O.
Boss Daters. R. A. Stewart & Co., New York.
Boss Dinner Pails. Sullivan-Geiger Co., Indianapolis, Ind.
Boss Feed Cutters. Hocking Valley Mfg. Co., Lancaster, O.
Boss Floor Scrapers. Geo. J. Kepplinger, Dwight, Ill.
Boss Gas Engines, Self Feeders and Steam Traction Engines. Russell & Co., Massillon, O.
Boss Gas Ranges and Ovens. Huenefeld Co., Cincinnati, O.
Boss Grain Car Loaders. Maroa Mfg. Co., Maroa, Ill.
Boss Hame Fasteners. American Mfg. Co., Chattanooga, Tenn.
Boss Hammers. Novelty Iron Works, Dubuque, Ia.
Boss Harrows. Anderson Company, St. Paul, Minn.; Madison Plow Co., Madison, Wis.
Boss Hay Carriers. Strickler Hay Tool Co., Janesville, Wis.
Boss Heel Building Machines. United Shoe Machinery Co., Boston.
Boss Hickey Conduit Benders. M. B. Skinner Co., Chicago, Ill.
Boss Horse Back Bands. Couch Bros. Mfg. Co., Atlanta, Ga.
Boss Horse Collar Pads. Curtis-Dexter Co., Madison, Wis.
Boss Horse Shoes. Mfrs. Iron & Steel Co., New Brunswick, N. J.
Boss Joist Anchor Timber Caps and Wall Plugs. Church Appliance Mfg. Co., La Salle, Ill.
Boss Ladders. Boss Ladder Co., San Leandro, Cal.
Boss Lawn and Garden Roller and Wagon Jacks. R. W. Whitehurst Mfg. Corp., Norfolk, Va.
Boss Lawn Swings. Thos. K. Barley, Sedalia, Mo.
Boss Lemon Squeezers. A. C. Williams Co., Ravenna, O.
Boss Leather Aprons. California Tanning Co., St. Louis, Mo.
Boss Lock Nuts. American Bolt Corp., Boss Nut Division, Chicago.
Boss Metal Key Faucet. John Sommer Faucet Co., Newark, N. J.
Boss Metal Wall Plugs. Church Appliance Mfg. Co., LaSalle, Ill.
Boss Mixers. American Cement Machine Co., Inc., Keokuk, Ia.
Boss Ore Sacks. Colorado Tent & Awning Co., Denver, Colo.
Boss Outlet, Locknut Bushings and Pipe Caps. Belcher & Loomis Hdw. Co., Providence, R. I.
Boss Peanut Roasters. Bartholomew Co., Peoria, Ill.
Boss Plows. Collins Plow Co., Quincy, Ill.
Boss Riding Listers. Peru Plow & Wheel Co., Peru, Ill.
Boss Rubber Washers. Combination Rubber Mfg. Co., Bloomfield, N. J.
Boss Shingle Mill Machinery. Davis Fdry. & Mach. Wks, Rome, Ga.
Boss Shoveling and End Gate Boards. Hayes Pump & Planter Co., Galva, Ill.
Boss Shovels. John A. Belknap, Anamosa, Ia.
Boss Spring Tooth Attachments. G. A. Kelly Plow Co., Longview, Tex.
Boss Sugar Cane Strippers. American Mfg. Co., Chattanooga, Tenn.
Boss System of Drying and Burning Clay Wares. J. C. Boss Engineering Co., Elkhart, Ind.
Boss Ten-Hour Brick Dryers. J. C. Boss Engineering Co., Elkhart, Ind.
Boss Tube Expanders. J. Faessler Mfg. Co., Moberly, Mo.
Boss Vises. Athol Mach. & Foundry Co., Athol, Mass.
Boss Wrenches. Parsons Hawkeye Mfg. Co., Newton, Ia.
Bosserl Pressed Metal Parts. The Bosserl Co., Utica, N. Y.
Bossey's Closet Base. Greenwood Mfg. Co., Detroit, Mich.
Bostick Truck Casters. Bostick Stove Co., Lapeer, Mich.
Boston Ash Sieves. Parker Wire Goods Co., Worcester, Mass.
Boston Barrel Swings. Penn Hardware Co., Reading, Pa.
Boston Bean and Pea Planters. Moline Plow Co., Moline, Ill.
Boston Bibbs, Stops. Milwaukee Brass Mfg. Co., Milwaukee, Wis.
Boston Blind and Shutter Fasteners. Stanley Wks., New Britain, Conn.
Boston Blow-Off Tanks; Grease Traps. R. Estabrook's Sons, Boston, Mass.
Boston Brass Engine Lubricators. Wm. Powell Co., Cincinnati, O.
Boston Card and Form Cutter. Golding Mfg. Co., Franklin, Mass.
Boston Cleanouts. R. Estabrook's Sons, Boston, Mass.
Boston Cocks & Bibbs. Peck Bros. & Co., New Haven, Conn.
Boston Cut Racks, Grooved Pulleys, Gears. Boston Gear Works, Quincy, Mass.
Boston 8-Day Auto Clocks. Boston Clock Co., Boston, Mass.
Boston Electric Cable Hangers. Condit Elec. Mfg. Co., Boston, Mass.
Boston Electric Wire Cutters. H. K. Porter, Everett, Mass.
Boston Fire Jacket Cotton and Fire Hose. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Boston Flush Valves. Crane Co., Chicago.
Boston Fore and After Wash Automatic Water Closet Tanks. Jos. H. Young Co., Boston, Mass.
Boston Foundry Sand Mixers. Barbour-Stockwell Co., Cambridgeport, Mass.
Boston Gauge Glass Cutters. A. W. Chesterton Co., Boston, Mass.
Boston Gears. Boston Gear Works Sales Co., Norfolk Downs 71, Mass.
Boston Giant Park Sprinklers. Spray Engineering Co., Boston, Mass.
Boston Hose Nozzles. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Boston Glass Door Ovens. S. M. Howes Co., Boston, Mass.
Boston Goggles and Eye Protectors. Chicago Eye Shield Co., Chicago.
Boston Grease Traps. R. Estabrook's Sons, Boston, Mass.
Boston Heel Plates. Louis Sacks, Inc., Newark, N. J.
Boston Incandescent Renewed Lamps. Boston Incandescent Lamp Co., Danvers, Mass., Boston Economy Lamp Div., Providence, R.I.
Boston Metal Cable Clips. Conduit Electrical Mfg. Co., South Boston, Mass.
Boston Organ Motors. F. E. Whitney, Boston, Mass.
Boston Oval Toilet Paper and Fixture. The Geo. T. Johnson Co., Boston, Mass.
Boston Packing and Gauge Glass Cutters. A. W. Chesterton Co., Boston, Mass.
Boston Paint & Varnish Remover. Boston Varnish Co., Boston, Mass.
Boston Pattern Row-Locks. Wilcox, Crittenden & Co., Inc., Middletown, Conn.
Boston Pencil Pointer. Boston Specialty Corp., New York.
Boston Plasters, Compounds. Standard Chemical & Supply Co., East Cambridge, Mass.
Boston Pressure Regulators. Geo. E. Gilchrist Co., Boston, Mass.
Boston Range Boilers. Dahlquist Mfg. Co., S. Boston, Mass.
Boston Rubber Hose. Boston Belting Co., Boston, Mass.
Boston Sand Mixing Machines. Barbour Stockwell Co., Cambridge, Mass.
Boston Self-Closing Cocks and Faucets. Peck Bros. & Co., New Haven, Conn.
Boston Self-Oiling Hangers. The American Tool & Machine Co., Boston.
Boston Sink Brackets. Joseph H. Young, Boston.
Boston Sink Strainers. Wickwire-Spencer Steel Corp., New York.
Boston Star White Lead. Chadwick-Boston Lead Co., Boston, Mass.
Boston Stoves. Chilson Furnace Co., Mansfield, Mass.
Boston Terrier Rubber Hose. Boston Woven Hose & Rubber Co., Cambridgeport, Mass
Boston Thermometers. Standard Steam Specialty Co., New York.
Boston Tire Benders. Butts & Ordway Co., Boston, Mass.
Boston Trace Trimming Machines. Campbell-Bosworth Machine Co., Boston, Mass.
Boston Universal Filing Machines. Boston Tool & Mfg. Co., Boston, Mass.
Boston Water Filter and Water Coolers. Boston Filter Co., Chelsea, Mass.
Boston Water Motors. F. E. Whitney, Boston, Mass.
Bostong Reversible Pipe Wrench. Walworth Mfg. Co., Boston, Mass.
Bostonia Lamp Wicks. Massasoit Mfg. Co., Fall River, Mass.
Bostrom Levels. Bostrom-Brady Mfg. Co., Atlanta, Ga.
Bostwick Metal Lath, Steel Corner Beads, Wall Plugs, and Wall Ties. Bostwick Steel Lath Co., Niles, O.
Bostwick Rubber Hose. Voorhees Rubber Co., Jersey City, N. J.
Bottomless Power Scrapers. Sauerman Bros., Chicago.
Boulet's Test Indicators. Jos. H. Boulet, Sebago Lake, Me.
Boult's Dovetail Machines. American Steam Pump Co., Battle Creek, Mich.

Boult's Wood Molding Machinery. American Steam Pump Co., Battle Creek, Mich.
Boulton's Improved Pitless Hopper Scales. Dayton Pitless Scale Co., Dayton, O.
Bound Brook Oil-Less Bearings, Bushings. Bound Brook Oil-Less Bearing Company, Bound Brook, N. J.
Bourbon Strain Insulators. Creaghead Engineering Co., Cincinnati, O.
Bour-Davis Automobiles. Bour-Davis Motor Car Co., Detroit, Mich.
Bourdon Steam Gauge Springs. A. H. Wells & Co., Waterbury, Conn.
Bourgeois Feed Water Heaters. Kroeschell Bros. Co., Chicago, Ill.
Bourne Magnetic Trucks. Bourne Magnetic Truck Co., Phila., Pa.
Bouse Tackle and Wire Rope Blocks. Vulcan Mfg. Works, Seattle, Wash.
Bousman Stills. Bousman Manufacturing Co., Grand Rapids, Mich.
Bovee Compound Radiator and Hot Air Furnaces. Bovee Furnace Works, Waterloo, Ia.
Boverton-Redwood Viscosimeter. Eimer & Amend, New York.
Bo-Wac Pipe Joint Cement. H. A. Desper, Worcester, Mass.
Bow Arrow Steel Cross Arm for High Tension Lines. Hubbard & Co., Pittsburgh, Pa.
Bow Hold Fast Rests. Thompson Mfg. Co., Watertown, Mass.
Bow Ideal Garden Rakes. Cronk & Carrier Mfg. Co., Elmira, N. Y.
Bowden Control Wire Mechanism. Gwilliam Co., New York.
Bowden Hygeia Filters. Hygeia Filter Co., Detroit, Mich.
Bowden Patent Wire Mechanism. The Gwilliam Co., Brooklyn, N. Y.
Bowen System of Chassis Lubrication. Bowen Products Corporation, Auburn, N. Y.
Bower August Air Pressure Systems. The Visible Pump Co., Inc., Fort Wayne, Ind.
Bower Barff Builders' Rustless Hardware. Yale & Towne Mfg. Co., Stamford, Conn.
Bower Roller Bearings. Bower Roller Bearing Co., Detroit, Mich.
Bowers Patent Arkweld Helmet. Julius King Optical Co., New York.
Bowes Air Hose Coupling. The Cleveland Pneumatic Tool Co., Cleveland, O.
Bowes Fire Hose, Reels and Racks, Oil and Grease Cup Lubricators W. D. Allen Mfg. Co., Chicago.
Bowes Hose Racks. W. D. Allen Mfg. Co., Chicago.
Bowes Hydraulic Operating Valve. Diamond Machine Co., Monongahela, Pa.
Bowes Pneumatic Air Hose Coupling. Cleveland Pneumatic Tool Co., Cleveland, O.
Bowlene Cleaning Compounds. Climalene Co., Canton, O.
Bowlin's Featherweight Ice Creepers. J. M. Warren & Co., Troy, N.Y.
Bowlus Joist Drills. Bowlus Mfg. Co., Springfield, O.
Bowman Coffee Percolators. Geo. H. Bowman Co., Cleveland, O.
Bowman Ditcher and Grader. T. W. Snow Construction Co., Chicago, Ill.
Bowman Railroad Ditching Machines. United Iron Works, Inc., Kansas City, Mo.
Bowser Safe Oil Storage Systems. S. F. Bowser & Co., Inc., Fort Wayne, Ind.
Bowser Wire Cloth Racks. R. M. Bowser & Son., Renfrew, Pa.
Bowsher Corn Mills and Speed Indicators. N. P. Bowsher Co., South Bend, Ind.
Bowsher Mills, Speed Indicators. N. P. Bowsher Co., South Bend, Ind
Box All Steel Switch Stands. Pettibone Mulliken Co., Chicago.
Box Cranes. Alfred Box & Co., Philadelphia, Pa.
Box Padlocks. Fraim-Slaymaker Hdwe. Co., Inc., Lancaster, Pa.
Boxinets Display Boxes. Jno. Schroeder Lbr. Co., Milwaukee, Wis.
Boxite Abrasive Circles. Charles H. Besly & Co., Chicago.
Boxwoodene Desk Rules. Up-to-Date Advertising, Canisteo, N. Y.
Boy Dixie Plows. Strake's Dixie Plow Works, Inc., Richmond, Va.
Boy Scout Garden Cultivators. Empire Plow Co., Cleveland, Ohio.
Boyce Moto-Meters. The Moto-Meter Co., Inc., Long Island City, N. Y.
Boyce Spray Guns. Specialty Brass Co., Inc., Kenosha, Wis.
Boyce Water Circulating Thermometers. Moto Meter Co., Inc., Long Island City, N. Y.
Boyco Cans and Containers. Boyle Mfg. Co., Los Angeles, Cal.
Boyco Sheet Steel Products. Boyle Mfg. Co., Los Angeles, Cal.
Boyd Aerial Trucks, Motor Fire Apparatus. James Boyd & Bro., Inc., Philadelphia, Pa.
Boyd Brick Press. Chisholm, Boyd & White Co., Chicago.
Boyd Genuine Zinc Fruit Jar Caps. Ball Bros. Glass Mfg. Co., Muncie, Ind.
Boyd Pig Iron. Ashland Iron & Mining Co., Ashland, Ky., American Rolling Mill Co., Middletown, Ohio.
Boyden Lubricators. McNab & Harlin Mfg. Co., Paterson, N. J.
Boyden Sight Feed Lubricators. McNab & Harlin Mfg. Co., Paterson, N. J.
Boyeo Galvanized Ware. Boyle Mfg. Co., Los Angeles, Calif.
Boyer Pneumatic Heading, Chipping and Calking and Riveting Hammers, Drills, Pneumatic Pile Drivers, Sand Reamers, Speed Indicating Hammers, Scaling Hammers, Stone Carving and Cutters' Tools, Stone Surfacing and Wood Boring Machines. Chicago Pneumatic Tool Co., New York.
Boyer's Hay Carriers and Gilding Settees. Goshen Mfg. Co., Goshen, Ind.
Boyle's Wood Piller. A. S. Boyle & Co., Cincinnati, O.
Boylston Lavatories. Crane Co., Chicago, Ill.
Boylston Packing and Pump Governors. Chicago Engineer Supply Co., Chicago, Ill.
Boylston Regulating Valves, Steam Traps, Strainers, Etc. Western Kieley Steam Specialty Co., Chicago.
Boylston Steam Traps. Western Kieley Steam Specialty Co., Chicago, Ill.
Boylston Valves. Boylston Steam Specialty Co., Chicago, Ill.
Boynton Steam and Hot Water Heaters. Boynton Furnace Co., New York.
Boynton Warp Spools. U. S. Bobbin & Shuttle Co., Providence, R. I.
Brace Roof Snowguards. Hamblin & Russell Mfg. Co., Worcester, Mass.
Brach Radio Insulators. L. S. Brach Mfg. Co., Newark, N. J.
Bracket Block. Clyde Iron Works, Duluth, Minn.
Braddock Rail Joints. Carnegie Steel Co., Pittsburgh, Pa.
Bradford Coal Breakers. Heyl & Patterson, Inc., Pittsburgh, Pa.
Bradford Coal Breakers and Cleaners. Pennsylvania Crusher Co., Philadelphia, Pa.
Bradford Cotton Softeners. Arabol Mfg. Co., New York.
Bradford Draft Gear. Chicago Steel Car Co., Harvey, Ill.
Bradford Fire Extinguishers. National Inspection Co., Philadelphia.
Bradford Improved Air Compressors and Gas Engines. Combination Engine and Compressor Co., Bradford, Pa.
Bradford Lathes. Bradford Machine Tool Co., Cincinnati, O.
Bradford Waterproof Leather Belting. Bradford Belting Co., New York.
Bradford's Buffs Face Brick. Bradford Brick & Tile Co., Bradford, Pa.
Bradford's Reds Face Brick. Bradford Brick & Tile Co., Bradford, Pa.
Bradley Ball Marking Pot. A. J. Bradley Mfg. Co., Dept. B., New York.
Bradley Card and Paper Cutters. Bradley Co., Milton, Springfield, Mass.
Bradley Carriage Shaft Couplers and Hammers. C. C. Bradley & Son, Syracuse, N. Y.
Bradley Fertilizers. Amer. Agricultural Chemical Co., Los Angeles.
Bradley Gas Producers. Duff Patents Co., Pittsburgh, Pa.
Bradley Gin Saw Files. Delta File Works, Philadelphia, Pa.
Bradley Hercules Grinding Mill. Bradley Pulverizer Co., Boston.
Bradley Hercules Mills. Bradley Pulverizer Co., Boston, Mass.
Bradley Hinges, Hooks and Shelf Brackets. Atlas Mfg. Co., New Haven, Conn.
Bradley Pattern Knives. Jas. Swan Co., Seymour, Conn.
Bradley Penholders. C. E. Bradley Corp., Brattleboro, Vt.
Bradley Power Hammers. C. C. Bradley Hammer Co., Inc., Syracuse, N. Y.
Bradley Stencil Machines. A. J. Bradley Mfg. Co., Dept. B., New York; Bradley Stencil Mach. Co., St. Louis, Mo.
Bradley Three Roll Grinding Mill. Bradley Pulverizer Co., Boston.
Bradleyometer Radio Rheostats. Allen Bradley Co., Milwaukee, Wis.
Bradley's Paints and Varnishes. Bradley-Wise Paint Co., Los Angeles, Calif.
Bradleystat Radio Rheostats. Allen Bradley Co., Milwaukee, Wis.
Bradoc Fire Brick. Eureka Fire Brick Works, Pittsburgh, Pa.
Brady Drinking Fountains. Prier Brass Mfg. Co., Kansas City, Mo.
Brady Junction Boxes. Brady Electric Mfg. Co., New Britain, Conn.
Brady Scotch Boilers. Int'l Engineering Wks., Inc., Framingham, Mass.
Brady's Brass Irons. Brady Electric Mfg. Co., New Britain, Conn.
Brady's Tobacco Shears and Socket Wedges. Jno. B. Black Co., Chester, Pa.
Brainard Pulverizing Machines. Midland Crusher-Pulverizer Co., Chicago, Ill.
Brainder Tires & Tubes. Brainder Rubber & Tire Co., Rutherford, N. Y.
Brakeman Cocks. Sherburne & Co., Boston, Mass.
Bramco Asbestos and Roofing Products. Baltimore Roofing & Asbestos Mfg. Co., Asbestos, Md.
Brammer Clothes Washing Machines. H. F. Brammer Mfg. Co., Davenport, Ia.
Bramo Oil Well Supplies. Bradford Motor Works, Bradford, Pa.
Brampton's Power Transmission Chains. Chas. E. Miller, New York.
Bramwell Feeds. Wm. C. Clark, Franklin, Mass.
Bramwell Feeds. Geo. S. Harwood & Son, Boston, Mass.
Bramwell Self-Weighing Card Feed. Geo. S. Harwood & Son, Boston, Mass.
Brand New Emery Grinders. Edwin A. Newton, Philadelphia, Pa.
Brand Sash Operating Device and Ventilating Apparatus. J. S. Thorn Co., Philadelphia, Pa.
Branden Pump Valves. Crosby Steam Gage & Valve Co., Boston, Mass.
Branden Rubber Pump Valves. Crosby Steam Gage & Valve Co., Boston, Mass.
Brandes Head Sets. C. Brandes, New York.
Brandes Tool Grinders. Springfield Mfg. Co., Bridgeport, Conn.
Brandis Levels and Transits. Brandis & Sons Mfg. Co., Brooklyn, N. Y.
Brandon Sheet Packing. Hy. Johnson Co., Jersey City, N. J.
Brandt Automatic Cashier. Brandt Mfg. Co., Watertown, Wis.
Brandy Fibre Cleaning Machines. Samuel Smith Machine Co., Lawrence, Mass.
Brandywine Leather Belting. J. E. Rhoads & Sons, Philadelphia, Pa.
Branford Carburetors. Holt-Welles Co., Inc., New York.
Brannon Paper Folding Machines. Dillon Mach. Co., Lawrence, Mass.
Brasco Closet Sets. Columbus Brass Co., Detroit.
Brasco Copper Store Fronts. Brasco Mfg. Co., Chicago.
Brascolite Electric Lighting Fixtures. The Brascolite Company, Division of St. Louis Brass Co., St. Louis, Mo.
Brascolite Lighting Fixtures. Brascolite Co., St. Louis.
Brascott Car Ladders. Damascus Brake Beam Co., Cleveland, O.
Bras-Etch Advertising Signs, Calendars, Novelties & Specialties. National Art Wks., Covington, Ky.
Brasite Sheet Packing. Geo. W. Knowlton Rubber Co., Boston, Mass.
Brass Bright Metal Polish. Manufacturers' Oil & Grease Co., Cleveland, O.
Brass King Metal Washboards. National Washboard Co., Chicago.
Brass Kote Enamels. Northwestern Chemical Co., Marietta, Ohio.
Brass Mill Special Spelter. United Zinc Smelting Corp., New York.
Brass-Nu Metal Polish. Nu Back Mfg. Co., St. Louis.
Brass Special Slab Zinc (Nassau Brand). The New Jersey Zinc Co., New York.
BrassTin. Apollo Metal Works Institute, La Salle, Ill.
BrassZinc. Apollo Metal Works Institute, La Salle, Ill.
Brassbrite Metal Polish. Sherwin-Williams Co., Cleveland.
Brasscrafters Bath Room Fixtures. Tumbler Holders, Bathtub Seats, Towel Bars, Medicine Cabinets and Shower Baths in Nickel Plated Brass. J. P. Curtis Mfg. Co., Cambridge, Mass.
Brassert Gas Washing and Drying Units. Freyn, Brassert & Co., Chicago.
Brassert-Jones Hot Blast Stove. Freyn, Brassert & Co., Chicago.
Brauer Acetylene Generator and Gas Machines. The Brauer Acetylene Lighting Co., Marshalltown, Ia.
Braun Centrifugals. Braun Electric Mfg. Co., Canal Dover, Ohio.
Braun Coolers, Condensers, Evaporators, Strainers. C. F. Braun & Co., Los Angeles.
Braun Crucible Muffle and Bullion Furnaces, Ore Samplers, Hydro-Carbon Burners, Laboratory Crushers and Pulverizers. Braun-Knecht-Heimann Co., San Francisco.
Braun K. & K. Mechanical Disc Feeder. Braun-Knecht-Heimann Co., San Francisco, Cal.
Brayman Drain Boxes & Floor Drains. Jiffy Fire Hose Rack Co., New York.
Brayman Water-Tight Drain Boxes. Brayman Water-Tight Drain Co., New York.
Brays Gas Burners. W. M. Crane Co., New York.
Brazil Oily Waste Can. Brazil Stamping & Mfg. Co., Chicago.
Brazil Underground Conduits. Brazil Hollow Brick & Tile Co., Brazil, Ind.
Brazil Vitrified Conduit. Brazil Hollow Brick & Tile Co., Brazil, Ind.
Brazil Wrought Iron Turnbuckles. Republic Iron & Steel Co., Pittsburgh, Pa.
Braziron Brazing Compounds. A. & J. Mfg. Co., Chicago.
Brazo Flux. Oxweld Acetylene Co., Long Island City, N. Y.; Chicago; San Francisco, Cal.
Breakless Flexible Staybolts. James McKay Co., Pittsburgh, Pa. The Flexible Bolt Co., Pittsburgh, Pa.

Breaknot Hydrometers & Storage Battery Tester. E. Edelman & Co., Chicago.
Breakwater Leather Belting. Druid Oak Belting Co., Inc., Baltimore, Md.
Brecht Fertilizer Dryers, Evaporators and Spice Mills. Brecht Co., St. Louis.
Breckenridge Automatic Air Valves. H. B. Smith Co., Westfield, Mass.
Breckenridge Valves. H. B. Smith Co., Westfield, Mass.
Breek-Block Spark Plugs. A. R. Mosler & Co., Mt. Vernon, N. Y.
Breeze Gasoline Strainers. Breeze Metal Hose & Mfg. Co., Newark, N. J.
Breloid Finish Closet Seats. B. R. E. Mfg. Co., Hyde Park, Mass.
Bremen Pumping Engines. Bremen Mfg. Co., Bremen, Ohio.
Brenkert Spotlights. Brenkert Light Projection Co., Inc., Detroit.
Brenlin Shade Cloth. Chas. W. Breneman & Co., Cincinnati, O.
Brest-O-Grip Chains. Rowe Calk Co., Hartford, Conn.
Brevis Lavatories. Crane Co., Chicago.
Brevolite Coatings, Lacquers and Solvents. Waukegan Chemical Co., Waukegan, Ill.
Brewice Paints for Coating Ice Cans, Brine Tanks & Ammonia Pipes. Nubian Paints & Varnish Co., Chicago, Ill.
Brewster Carriage Fasteners. C. Cowles & Co., New Haven, Conn.
Brewster Metallic Packings. Morris B. Brewster, Inc., Chicago.
Breyley Friction Car Stop. The Maintenance Equipment Co., Chicago.
Brick Boiler Compound. Hawk-Eye Compound Co., Blue Island, Ill.
Brickenstein Rural Mail Boxes. Brickenstein, L. B., Winston-Salem, N. C.
Brickey Auto Heater. Thurston Auto Supply Mfg. Co., Chicago.
Bridgeford Fire Place Furniture. Southern Signal Co., Louisville, Ky.
Bridgeport Automobile-Tire Pumps; Tubular Plumbing Supplies; Brass Rods; Bronze; Engravers Copper. Bridgeport Brass Co., Bridgeport, Conn.
Bridgeport Burlap, Buckram, Grommets, Needles, Tacks, Etc. Bridgeport Coach Lace Co., Bridgeport, Conn.
Bridgeport Foundry Molding Machines & Molders' Flasks. Bridgeport Die & Machine Co., Bridgeport, Conn.
Bridgeport Paint and Varnish Remover. Bridgeport Wood Finishing Works (Du Pont), Philadelphia.
Bridgeport Plumbing Supplies. Bridgeport Brass Co., Bridgeport, Conn.
Bridgeport Putty Knives. Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
Bridgeport Safety Grinders and Buffing Lathes. Bridgeport Safety Emery Wheel Co., Bridgeport, Conn.
Bridgeport Sash Chains. Bridgeport Chain Co., Bridgeport, Conn.
Bridgeport Sash Pulleys. Grand Rapids Hdwe. Co., Grand Rapids, Mich.
Bridgeport Steel Sash Chains. Bridgeport Chain Co., Bridgeport, Conn.
Bridgeport Tire Air Pumps. Bridgeport Brass Co., Bridgeport, Conn.
Brien Heaters. Brien Heater Co., Westfield, Mass.
Brien Hot Air Furnaces. Brien Heater Co., Westfield, Mass.
Briggs Concrete Spreaders. Briggs Labor Saving Specialty Co., Waterloo, Ia.
Briggs-Miller Milling Machines. Gooley & Edlund, Cortland, N. Y.
Briggs Milling Machine. Gooley & Edlund, Portland, N. Y.
Briggs Screw Wrenches. Bemis & Call Hardware & Tool Co., Springfield, Mass.
Briggs Tenax Solution, Ferroid Enamel Marine Glue. Briggs Bituminous Composition Co., Inc., New York.
Briggs Wrenches. Bemis & Call Hardware & Tool Co., Springfield, Mass.
Bright Idea Boilers. Gurney Heater Mfg. Co., Boston, Mass.
Bright Incandescent Lamps. Economy Electric Co., Warren, O.
Bright Postage Saver Envelope. Bright Envelope Mfg. Co., Chicago
Bright Star "B" Batteries. Bright Star Batteries, New York.
Bright's Foundry Facings. Federal Foundry Supply Co., Cleveland, O
Brighton Corrugated Cans & Pails. Witt Cornice Co., Cincinnati.
Brighton Fruit Presses, Cherry Stoners, Nut Crackers, Lemon Squeezers, Spice Mills, Tack Hammers, Tobacco Counter Cutters, Ice Shredders and Clothes Line Pulleys. Wrightsville Hardware Co., Wrightsville, Pa.
Brighton Gas Mantles. Lindsay Light Co., Chicago.
Brighton Horse Nails. Standard Horse Nail Co., New Brighton, Pa.
Brighton Lavatories. Crane Co., Chicago.
Brighton Shoe Lasts & Stands. Wrightsville Hardware Co., Wrightsville, Pa.
Brighton Top Brick. Brighton Fire Brick Co., New Brighton, Pa.
Briklath Metal Lath. Composite Metal Lath Co., New York.
Brill Snowplows. J. G. Brill Co., Philadelphia.
Brilliant Ideal Clothing Wardrobes and Show Cases. M. L. Himmel & Son, Baltimore, Md.
Brilliant Metal Polish. F. M. Trafton Co., Boston, Mass.
Brilliant Search Lights and Projectors. R. C. Kruschke, Duluth.
Brilliantone Talking Machine Needles. United Music Stores, Phila.
Brilliantshine Metal Polish. E. W. Bennett & Co., San Francisco.
Brillion Gasoline Engines & Clod Crushers. Moline Plow Co., Moline, Ill.
Brillion Soil Pulverizers and Packers; Foundry Pouring Devices. Brillion Iron Works, Brillion, Wis.
Brillion 20th Century Metal Pouring Device. Arcade Mfg. Co., Freeport, Ill.
Brillo Aluminum Polish. Brillo Mfg. Co., Brooklyn.
Brimm Steel Balls. Leo J. Brimm, Inc., New York.
Brimo Adjustable Drawing Table. Fred'k Post Co., Chicago.
Brinell Hardness Testers. Herman A. Holz, New York.
Brinell Hardness Testing Machines, Meters. Holz & Co., Inc., New York.
Brinton Motor Trucks. Brinton Motor Truck Co., Philadelphia.
Brisam Boiler Compounds. British-American Chemical Co., Paterson, N. J.
Brisben Emery Wheel Dressers. Cleveland Flue Cleaner Manufacturing Co., Cleveland, Ohio.
Brisben Emery Wheel Dressers. Osborn-Crew Mfg. Co., Cleveland.
Briscoe Motor Cars. Briscoe Motor Corporation, Jackson, Mich.
Brisk Blast Auto Tire Pumps. Brisk Blast Mfg. Co., St. Louis, Mo
Bristo Safety Set Screws. Bristol Co., Waterbury, Conn.
Bristol Audiphone Loud Speaker, One Stage Amplifier. Bristol Co., Waterbury, Conn.
Bristol Belt Fasteners. Belt Lacing, Electrical Testing Instruments Thermometers, Gauges and Meters. Bristol Co., Waterbury, Conn
Bristol Carpenter Screw Drivers. Turner & Deegan, Bristol, Conn.
Bristol Caulking Cotton. Massasoit Mfg. Co., Fall River, Mass.
Bristol Clothes Lines. Estes Mills, Fall River, Mass.
Bristol Counters and Counting Machines. The Root Co., Bristol, Conn.
Bristol Lavatories. Crane Co., Chicago, Ill.
Bristol Lavatories and Fittings. Sanitas Mfg. Co., Boston, Mass.
Bristol Pig Iron. Virginia Iron, Coal & Coke Co., Roanoke, Va.
Bristol Rubber Hose. Joseph Stokes Rubber Co., Trenton, N. J.
Bristol Rubber Hose and Packing. Nat. India Rubber Co., Bristol, R. I.
Bristol Steel Fishing Rods. Horton Mfg. Co., Bristol, Conn.
Bristol's Recording Gauges, Recording Liquid Gauges, Vacuum Gauges, Recording Thermometers, Recording Pyrometers, Record Voltmeters, Recording Ammeter, Watt-Meters, Mili-Voltmeters, Shunt Ammeters, Frequency Meters, Counters, Recording Tachometers, Patent Steel Belt Lacing, Patent Steel Belt Plates and Rivets. Bristol Co., Waterbury, Conn.
Bristol's Store Trucks. Thos. Packer, Union City, Conn.
Brite-Lite Coal Miners' Lamps. Harker Mfg. Co., Cincinnati, O.
Brite-Lite Electrical Apparatus. Brite-Lite Co., Albert Lea, Minn.
Britelite Trouble Finding Automobile Lamps. American Enamel Co., Providence, R. I.
Britton Drain Cocks. Peter A. Frasse & Co., New York.
Britton Evener Regulators. Saco-Lowell Shops, Boston, Mass.
Brix Hydrometers. Eimer & Amend, New York.
Brixment Cement. Louisville Cement Co., Louisville, Ky.
Broach Well Broaching Machines and Keyway Cutters. Velco Mfg. Co., Inc., Greenfield, Mass.
Broadbent Brighams Hosiery Winders. Arthur A. Brigham, Boston.
Broadcast Fertilizer Distributors. Richardson Mfg. Co., Worcester, Mass.
Brock Pipe Wrenches. Greene, Tweed & Co., New York City.
Brockton Mop Wringers. Brockton Mop Wringer Co., Brockton, Mass.
Brockton Shower Bath. Sanitas Mfg. Co., Boston, Mass.
Brockway Motor Trucks. Brockway Motor Truck Co., Cortland, N. Y.
Broderick Automatic Plating Machine. A. P. Munning & Co., New York.
Bro-Gar Spark Plugs. Brockett-Gorham Co., Marion, O.
Brohard Door Stops and Ventilating Sash Locks. Brohard Co., Phila.
Brohard Expansion Bolts. The Brohard Co., Philadelphia, Pa.
Bromo-Spirin "E" Aspirin. Synthetic Products Co., San Francisco.
Bromwell's Vapor Heating System. Vapor Heating Co., Philadelphia, Pa.
Broncho Belting and Hose. Cincinnati Rubber Mfg. Co., Cincinnati, O.
Broncho Brand Lariats. Tubbs Cordage Co., San Francisco, Cal.
Broncho Concrete Mixers. The Lansing Company, Lansing, Mich.
Broncho Leather Cloth. Zapon Leather Cloth Co., New York.
Bronx Ball Cocks. Boston Brass Co., Waltham, Mass.
Bronx Stoves. Union Stove Works, New York.
Bronzalun—Safety treads for car steps, stair, etc. American Abrasive Metals Co., New York.
Bronze Ball Rock Crushers. Chalmers & Williams, Inc., Chicago Heights, Ill.
Bronze Wire Cloth. Dufur & Co., Baltimore, Md.
Bronzeweld Welding Rods. Steel Sales Corp., Chicago.
Bronzex Ball Valve Seats. Chas. N. Hough Mfg. Co., Franklin, Pa.
Bronzite Paint. Colonial Works, Brooklyn, N. Y.
Bronzolin Bronze Powder and Bronzing Liquid. U. S. Bronze Powder Works, Inc., New York.
Brook Automobiles. Spacke Machine & Tool Co., Indianapolis, Ind.
Brookduct Non Metallic Flexible Conduit. Eastern Tube & Tool Co., Brooklyn, N. Y.
Brooke Pig Iron. E. G. Brooke Iron Co., Birdsboro, Pa.
Brooklyn Flint, Sand and Emery Paper. Herman Behr & Co., Brooklyn, N. Y.
Brooklyn Fry Pans. New York Stamping Co., Brooklyn, N. Y.
Brooklyn Metal Ceiling. Brooklyn Metal Ceiling Co., Brooklyn, N. Y.
Brooklyn Metal Lath. Brooklyn Metal Ceiling Co., Brooklyn, N. Y.
Brooklyn Refined Sulphur. Battelle & Renwick, New York.
Brooklyn Sink Strainers. Silver & Co., Brooklyn, N. Y.
Brooks Cold Tire Setter. Brooks Machine Co., Wichita, Kan.
Brooks Crystal Scouring Powder. Lever Bros., Cambridge, Mass.
Brooks Gauge Glass Gaskets & Packing. Anchor Packing Co., Phila.
Brooks Packing and Gaskets. Anchor Packing Co., Philadelphia, Pa.
Brooks Piston Rings. Brooks Piston Ring Co., Cleveland, O.
Brooksteel Flexible Steel Conduit and Armored Cable. Eastern Tube & Tool Co., Inc., Brooklyn, N. Y.
Brookville Farm Wagons. Brookville Mfg. Co., Brookville, Pa.
Broome Surface Heating Concentrators. Bethlehem Foundry & Machine Co., South Bethlehem, Pa.
Broomell Vapor Heating System. Vapor Heating Co., Philadelphia.
Brosius Grab Buckets. Edgar E. Brosius, Pittsburgh, Pa.
Brother Bill Pumping Jacks. Phillips Gasoline Engine & Motor Co., Chicago.
Brother Jonathan Flexible Glue. C. B. Hewitt & Bros., Inc., New York.
Brother Jonathan Gusset Paper; Backing Paper; Red Flexible Paper. C. B. Hewitt & Bros., Inc., New York.
Broughton Bibbs and Stops, Self-Closing Cocks. E. Stebbins Mfg. Co., Springfield, Mass.
Broughton Core Sand Mixers. W. D. Dunning, Syracuse, N. Y.
Broughton Plaster Mixers. W. D. Dunning, Syracuse, N. Y.
Broughton's Oil and Grease Cup Lubricators. McNab & Harlin Mfg. Co., Paterson, N. J.
Brouse's Marvo-Lusto Polish. W. J. Brouse, Madrid, N. Y.
Browder Life Saving Nets. Cory-Patterson Mfg. Co., Greenfield, O.
Brown Air Tire Pumps, Shackle Bolts & Spark Plugs. Brown Co., Syracuse, N. Y.
Brown Automobile Light Reflectors. Brown Reflectors Inc., Boston.
Brown Beauty Dusters. Silver-Chamberlin Co., Clayton, N. J.
Brown Champion Post Hole Diggers, Farm Wagons, Fertilizer Distributors. Brown Mfg. Co., Zanesville, Ohio.
Brown Churns. M. Brown Co., Wapakoneta, Ohio.
Brown Cutters, Harrows and Plows. Galesburg Coulter-Disc Co., Galesburg, Ill.
Brown Cut-Off Couplings & Gas Engine Clutches. Brown Clutch Co., Sandusky, Ohio.
Brown Enameled Iron Bath Tubs. Sanitas Mfg. Co., Boston.
Brown Hog Rings. Wm. E. Pratt Mfg. Co., Chicago.
Brown Impulse Tire Pumps, Automatic Oiling Bolts, Sub-Base Oilers. The Brown Co., Syracuse, N. Y.
Brown Indicating and Recording Instruments. The Brown Instrument Co., Philadelphia, Pa.
Brown Ladders. Brown Safety Ladder Mfg. Co., Chicago.
Brown Leaf Spring Oilers. Brown Spring Oiler Co., Cleveland.
Brown-Lipe Quality Transmissions. Brown-Lipe Gear Co., Syracuse, N. Y.
Brown Marine Gears. Hyde Windlass Co., Bath, Me.
Brown Potato Diggers. Peter Brown, Greeley, Colo.
Brown Pulleys, Pulley Bushings and Pulley Oilers. Brown Engineering Co., Reading, Pa.
Brown Pyrometers, Thermometers, Pressure Gauges, Draft Gauges, Tachometers, Time and Operation Recorders. Brown Instrument Co., Philadelphia.
Brown Rail Loader. James C. Barr, Boston.
Brown Spring Oilers. The Brown Spring Oiler Co., Cleveland, O.
Brown Stalk Cutters. Galesburg Coulter & Disc Co., Galesburg, Ill.
Brown Steam Traps. Foskett & Bishop Co., New Haven, Conn.
Brown Valve Gear. Franklin Machine Co., Providence, R. I.

Brown Water Closet Shields. Brown Hoisting Machinery Co., Cleveland.
Brown Weather Strips. Metal Plaited Car & Lumber Co., New York.
Brown Weldless Wire Chains for Cow Ties, Halters, Key, Dog Leads, Kennel, Transom, Well, Snaps, Swivels. Bridgeport Chain Co., Bridgeport, Conn.
Brown & Brothers Seamless Copper Range Boilers. Randolph-Clowes Co., Waterbury, Conn.
Brown & Sharpe Milling Machines. Brown & Sharpe Mfg. Co., Providence, R. I.
Brownbilt Shoes. Brown Shoe Co., Inc., St. Louis, Mo.
Browne Hot Air Furnaces. Phillips Heating, Vent. & Mfg. Co., Los Angeles.
Browne Ice Picks. W. G. Browne Mfg. Co., Kingston, N. Y.
Browne Rolled Steel Windows. Richey, Brown & Donald, Maspeth, N. Y.
Browne Steel Windows. Richey, Browne & Donald, Inc., Maspeth, N. Y.
Brownhoist Buckets, Cranes, Conveyors, Hoists and Machinery. Brown Hoisting Machinery Co., Cleveland, O.
Brownhoist Locomotive Cranes, Grab & Shoveling Buckets. Brown Hoisting Machinery Co., Cleveland, Ohio.
Brownie Cameras. Eastman Kodak Co., Rochester, N. Y.
Brownie Handy Clamps. George H. Wilkins Co., Chicago.
Brownie Insulating Tape. Boston Woven Hose & Rubber Co., Cambridgeport, Mass.
Brownie Lubricators. Michigan Lubricator Co., Detroit, Mich.
Brownie Megaphones. Kennebunk Mfg. Co., Milton, N. H.
Brownie Rock Drill. Wood Drill Works, Paterson, N. J.
Brownie Splicing Compound Taps. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Brownie Wood Paving Blocks. American Creosoting Co., New York.
Browning Electric Motors. Northwestern Mfg. Co., Milwaukee, Wis.
Browning Locomotive Cranes. Browning Co., Cleveland, O.
Brown's Hog Ringers. Chambers Bering, Quinlan Co., Decatur, Ill.
Brown's Patent Pyrometers. Star Brass Mfg. Co., Boston, Mass.
Brown's Perfect Seed Corn Testers. Burgess-Norton Mfg. Co., Geneva, Ill.
Brown's Perfection Bolts, Nuts and Rivets. A. R. Brown, Erwin, Tenn.
Brown's Pipe Tongs. Crane Co., Chicago.
Brown's Roller Bearing Wheels. Concord Axle Co., Penacook, N. H.
Brown's Sectional Stock Rack. Brown Engineering Co., Reading, Pa.
Brown's Shaft Hangers; Friction Clutches; Speed Reducers; Sirens (Steam and Compressed Air); Ball Color Mixers; Change Speed Gears; Pulleys; Soft Sugar Barrel Packers. **The A. & F. Brown Co.,** New York.
Brown's Tool Grinders. Western Railway Equipment Co., St. Louis, Mo.
Brown's Wagon Skeins. American Skein & Foundry Co., Racine, Wis.
Brownwall Engines and Pulleys. The Brownwall Engine & Pulley Co., Holland, Mich.
Brubaker Taps. Reamers, Screw Plates and End Mills. W. L. Brubaker & Bros., Millersburg, Pa.
Brubaker's Cement Sewer Pipe Machy. Concrete Machy. & Supply Co., Los Angeles.
Bruckner Smelting Furnaces. Kennedy-Van Saun Mfg. & Eng. Corp., New York.
Brunelle Steam and Hot Water Heaters. F. X. Brunelle, Worcester, Mass.
Bruner System of Reinforced Concrete Sidewalk Lights. P. M. Bruner Granitoid Co., St. Louis, Mo.
Brunk Combination Auto Jack. Brunk Mfg. Co., St. Louis, Mo.
Brunn-Lowener Feed Water Filters. Water Softening and Purifying Apparatus. American Water Softener Co., Philadelphia, Pa.
Brunner Small Air Compressors. Brunner Mfg. Co., Utica, N. Y.
Bruno Grease Cups. Wm. Powell Co., Cincinnati, O.
Bruno Slotting Attachment. H. A. Moore Co., Rochester, N. Y.
Brunsviga Adding, Multiplying and Dividing Machine. Carl H. Reuter, Inc., Philadelphia.
Brunswick Ice Machines and Refrigerating Plants. Brunswick Refrigerating Co., New Brunswick, N. J.
Brunswick Packing. Goetze Gasket & Packing Co., New Brunswick, N. J.
Brunswick Rope. Cliver-Wright-Rainey Co., Cincinnati, O.
Brunt Porcelain Specialties. Brunt Porcelain Co., Columbus, Ohio.
Brunton Ore Samplers. William A. Box Iron Works Co., Denver.
Brunton Transits. Wm. Ainsworth & Sons, Denver.
Brunton's Rod Drills and Piano and Music Wire. Peter A. Frasse & Co., New York.
Brush Clothes Washing Machines. Pioneer Brush Washing Machine Co., New, Kensington, Pa.
Bruston Automatic Electric Lighting Plants. Bruston Automatic Electric Lighting & Power Co., Inc., New York.
Brute Lubricators. Locke Regulator Co., Salem, Mass.
Brute Trailer. Sharon Pressed Steel Co., Sharon, Pa.
Bryan Folding Counter Seats. Bryan Novelty Mfg. Co., Bryan, Ohio.
Bryan-Marsh Incandescent Electric Lamps. Bryan-Marsh Division, Chicago.
Bryan Store Stools. Bryan Novelty Mfg. Co., Bryan, Ohio.
Bryant-Cleveland Arc Light Cut-Outs. Bryant Electric Co., Bridgeport, Conn.
Bryant Electric Apparatus. Bryant Electric Co., Bridgeport, Conn
Bryant Heaters and Gas Pressure Regulators. Bryant Heater & Mfg Co., Cleveland.
Bryant Oil Filters. Day Co., Minneapolis, Minn.
Bryant Patent Band Cut Off Saw. Butterworth & Lowe, Grand Rapids, Mich.
Bryant Radiator Machines. Ross Heater & Mfg. Co., Buffalo, N. Y.
Bryant Semi-Automatic Chucking Grinder. Bryant Chucking Grinder Co., Springfield, Vt.
Bryant Snap and Push Switches. Bryant Elec. Co., Bridgeport, Conn.
Bryant Surface Grinders. Bryant Chucking Grinder Co., Springfield, Vt.
Bryant Tubular Gas Boilers. Bryant Heater & Mfg. Co., Cleveland, O
Bryant Wiring Devices. Bryant Electric Co., Bridgeport, Conn.
Bryden Horse and Mule Shoes. Bryden Works, The, Catassauqua, Pa.
Brylock Socket Lockers. Bryant Electric Co., Bridgeport, Conn.
Brysave Band Mills. Portable Band Saw Mill, Inc., New York.
Bryt-O Carriage Top Dressing. Glo-Co., East Orange, N. J.
BSCO Primary Batteries. Thos. A. Edison (Inc.), Bloomfield, N. J.
Bubble Cup Drinking Fountains. James B. Clow & Sons, Chicago.
Bubble Font Drinking Fountains. The Murdock Mfg. & Supply Co., Cincinnati, O.
Bubbler Toys, Games & Novelties. Chas. Schindler, Toledo, Ohio.
Buch Combination Molding Machines, Patented Jackets and Corrugated Steel Flasks. American Foundry Equipment Co., New York.
Buchan Money Bags. Dawson Manufacturing Co., St. Louis.
Buchanan Crushing and Concentrating Machinery. Birdsboro Steel Foundry and Machine Co., Birdsboro, Pa.
Buchanan Ore Crushers. C. G. Buchanan Co., Inc., New York.
Buchanan Magnetic Separators. Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Buchanan Plain Crushing Rolls and Magnetic Separators. C. G. Buchanan Co., New York.
Buchanan Rock Crushers. Geo. V. Cresson Co., Philadelphia, Pa.
Buch's Feed Cutters, Root Cutters and Corn Shellers. A. Buch's Sons Co., Elizabethtown, Pa.
Buck Engineers' Wrenches. Handlan-Buck Mfg. Co., St. Louis, Mo.
Buck Hardware Specialties. Racine Iron & Wire Works, Racine, Wis.
Buck Paints. Samuel H. French & Co., Philadelphia, Pa.
Bucket Type Proofer Baker's Machinery. P. Baker's Sons & Perkins Co. Inc., Dept. H, White Plains, N. Y.
Buckeye Aluminum Hollow Ware. Buckeye Aluminum Co., Wooster, O.
Buckeye Automobile Bumpers. Central Brass & Fixture Co., Springfield, O.
Buckeye Babbitt Metal. E. W. Van Duzen Co., Cincinnati, O.
Buckeye Barrows. Toledo Wheelbarrow Co., Toledo, O.
Buckeye Bellows: Iron and Steel Cement, Snap Flasks, Furnaces and Solder. Buckeye Products Co., Cincinnati, O.
Buckeye Belting. I. B. Williams & Sons, Dover, N. H.
Buckeye Belting and Hose. Mechanical Rubber Co., Cleveland, O.
Buckeye Berea Curbing. Ohio Quarries Co., Cleveland, O.
Buckeye Can Openers. Cassaday Fairbank Mfg. Co., Chicago.
Buckeye Car Couplers. Buckeye Steel Castings Co., Columbus, O.
Buckeye Carriage Machine and Tire Bolts. Lamson & Seesions Co., Cleveland.
Buckeye Churns. Buckeye Churn Co., Sidney, O.
Buckeye Cider Mills, Grain and Rice Planting Drills. American Seeding Machine Co., Springfield, Ohio.
Buckeye Cleanser Oil Soap. Davies Young Soap Co., Dayton, Ohio.
Buckeye Common Screw Sticks. Chandler & Price Co., Cleveland.
Buckeye Conduits. Youngstown Sheet Tube Co., Youngstown, O.
Buckeye Dash Lanterns. R. E. Dietz Co., New York.
Buckeye Disc and Multiblade Fans. Buckeye Blower Co., Columbus, O.
Buckeye Ditching Machines, Sand Loaders, Clay Excavating Machinery, Etc. Buckeye Traction Ditcher Co., Findlay, Ohio.
Buckeye Drilling Machines. Buckeye Tool & Machine Co., New Philadelphia.
Buckeye Engine & Blue Printing Machines. Buckeye Engine Co., Salem, Ohio.
Buckeye Farm Trucks. International Harvester Company of America, Inc., Chicago.
Buckeye Fire Brick. Dover Fire Brick Co., Cleveland, O.
Buckeye Force and Lift Pumps, Hydrants, Tank Pumps, Windmills. Mast, Foos & Co., Springfield, O.
Buckeye Ford Shock Absorbers. Central Brass & Fixture Co., Springfield, O.
Buckeye Gasoline Blow Torches. MacLeod Co., Cincinnati.
Buckeye Grindstones. Ohio Quarries Co., Cleveland, O.
Buckeye Hand Carts. Kilbourne & Jacobs Mfg. Co., Columbus, Ohio.
Buckeye Hinges. Shelby Spring Hinge Co., Shelby, O.
Buckeye Hose Reels. Cardington Cabinet Co., Cardington, Ohio.
Buckeye Improved Stove Pipe. The Reeves Mfg. Co., Dover, O.
Buckeye Incubators and Brooders. Buckeye Incubator Co., Springfield, Ohio.
Buckeye Jacks. Buckeye Jack Mfg. Co., Alliance, O.
Buckeye Joists Hangers. Columbian Hardware Co., Cleveland.
Buckeye Lamps. Buckeye Electric Works of G. E. Co., Cleveland.
Buckeye Lawn Mowers, Pumps and Pumping Jacks. Mast, Foos & Co., Springfield, Ohio.
Buckeye Leather Belting. The Buckeye Belting & Supply Co., Cleveland, O.
Buckeye Machinists Hand Taps, Receding Pipe Threaders, Stock and Dies. Hart Mfg. Co., Cleveland.
Buckeye Mazda Lamps. The Buckeye Electric Division, Chicago.
Buckeye Metal Cutting Compound. The Moore Oil Co., Cincinnati, O.
Buckeye Metallic Shingles. Thomas & Armstrong Co., London, Ohio.
Buckeye Mowers. Moline Plow Co., Moline, Ill.
Buckeye Packing. Crandall Packing Co., Palmyra, N. Y.
Buckeye Paint. Buckeye Paint & Varnish Co., Toledo, O.
Buckeye Parting Compounds; Linseed Core Oils; Refractory Cement; High Temperature Furnace Cement; Patented Snap Flask Guides. The Buckeye Products Company, Inc., Cincinnati, O.
Buckeye Pruning Shears. Clyde Cutlery Co., Clyde, Ohio.
Buckeye Rigid Interior Conduits. Western Conduit Co., Youngstown, O.
Buckeye Road Scrapers & Steel Tubular Barrows. Toledo Wheelbarrow Co., Toledo, O.
Buckeye Saw Sets & Planes. Buckeye Mfg. & Foundry Co., Cleveland.
Buckeye Screen Door Hinges. Shelby Spring Hinge Co., Shelby, O.
Buckeye Shoe Lasts & Stands. Fate-Root-Heath Co., Plymouth, Ohio.
Buckeye Steel Fire Brick. Thomas Moulding Brick Co., Chicago.
Buckeye Steel Tray and Tubular Barrows; also Iron and Steel Wheelbarrows and Drag Scrapers. Toledo Wheelbarrow Co., Toledo, O.
Buckeye Stocks and Dies. Hart Mfg. Co., Cleveland, O.
Buckeye Stove Pipe. The Reeves Mfg. Co., Dover, O.
Buckeye Switch Stands. The American Valve & Meter Co., Cincinnati, O.
Buckeye Tack Claws and Pullers, Pot Scrapers, Wire Spring Potato Mashers. Cassady Fairbank Mfg. Co., Chicago.
Buckeye Tape. Mechanical Rubber Co., Cleveland, O.
Buckeye Traction Ditcher. Buckeye Traction Ditcher Co., Findlay, O.
Buckeye Twist Drills. Buckeye Twist Drill Co., Alliance, O.
Buckeye Vitrified Paving Brick. Jno. Kline Brick Co., Wickliffe, Ohio.
Buckeye Warm Air Furnaces. Barber Mfg. Co., Ashtabula, Ohio.
Buckeye Water Lifts. Buckeye Pump & Mfg. Co., Columbus, Ohio.
Buckeye Wood Pails and Buckets. Buckeye Churn Co., Sidney, O.
Buckeye and World Ventilators. Berger Mfg. Co., Canton, O.
Buck-Horn Varnish. Floor-Shine Mfg. Co., St. Louis, Mo.
Bucki Brand Carbon Paper and Typewriter Ribbons. Buckeye Ribbon & Carbon Co., Cleveland, O.
Bucking Broncho Children's Vehicles. Burgess-Norton Mfg. Co., Geneva, Ill.
Buckley Hose Expanders and Coupling Expanding Machines. Larkin Mfg. Co., Dayton, Ohio.
Buckley Non-Tangle Flag Pole Fixtures. Forest E. Howes, Boston.
Buckman Hydraulic Hoists for Dump Wagons. Mahannah & Alford, San Francisco.
Buckner Golf Course, Lawn & Park Sprinklers and Automatic fertilizer and insecticide distributor. Buckner Mfg. Co., Fresno, Cal.
Buckskin and Car Seat Duck. L. C. Chase & Co., Boston, Mass.
Buckskin Hose and Matting. Goodall Rubber Co., Philadelphia, Pa.
Buckskin Raincoats. American Rubber Co., Boston, Mass.
Buckwalter Connecting Rods. Jno. S. Buckwalter Co., Lancaster, Pa.
Bucyrus Cranes; Dredges; Excavators; Plows and Shovels. The Bucyrus Co., South Milwaukee, Wis.
Bucyrus Steam Shovels. Bucyrus Co., South Milwaukee, Wis.
Buda Bogue and Mills Railway Crossing Gates. The Buda Company, Chicago.

Buda Car Replacers, Hand and Push Cars, Drills, Drill Bits, Jacks, Rail Benders, Rail Drills, Velocipedes, **Motor Cars, Storage Battery Trucks and Railway Crossing Gates. Buda Co., Chicago.**
Buda Ross Headlights. Buda Co., Harvey, Ill.
Buda-Wilson Automatic Reed Drills. Buda Co., Harvey, Ill.
Buda-Wilson Bonding Drills. The Buda Co., Chicago.
Budd Boiler Gates. Budd Grate & Foundry Co., Philadelphia, Pa.
Budd-Ranney Nut Machinery. Budd & Ranney Engineering Co., Columbus, Ohio.
Budd Vehicle Wheels. Budd Wheel Corp., Philadelphia, Pa.
Bud E Gasoline Marine Engines. Johnson Carlyle Machine Co., Manchester, Conn.
Bud-E Marine Motor. The Carlyle Johnson Machine Co., Manchester, Conn.
Budlong Harrows. Janesville Mach. Co., Janesville, Wis.
Buell Automobile Horn. Buell Mfg. Co., Chicago.
Buell Explosion Whistle. Buell Mfg. Co., Chicago.
Buell's Hollow Handle Tool Sets. M. W. Robinson Co., New York.
Buell Screw Drivers. Buell Bros., Clinton, Conn.
Buerkens Farm Wagons. Buerkens Mfg. Co., Pella, Ia.
Buff Transits. Buff & Buff Mfg. Co., Jamaica Plains, Boston, Mass.
Buffalo Air Washers, Ventilators, Forges, Blowers and Exhausters, Heating and Ventilating Apparatus. Buffalo Forge Co., Buffalo, N. Y.
Buffalo All-Steel Locomotive Cranes, Clam Shell Buckets, Hoisting Engines, Derricks & Derrick Fittings. Buffalo Hoist & Derrick Co., Inc., Buffalo, N. Y.
Buffalo Apple Choppers, Potato Chip & Kraut Cutters. John E. Smith Sons Co., Buffalo, N. Y.
Buffalo Automotive Wheels. Wire Wheels Corp., Buffalo, New York.
Buffalo Boiler Oil Injectors, Glass Body Cylinder Oil Pumps, Glass Body Oil Cups, Sight-Feed Cylinder Lubricator, Sight-Feed Cylinder Oiler. Sherwood Mfg. Co., Buffalo, N. Y.
Buffalo Babbitt Metal. Lumen Bearing Co., Buffalo, N. Y.
Buffalo Belt Fasteners. Buffalo Specialty Co., Buffalo, N. Y.
Buffalo Belting; Hose; Sheet Packing. Acme Rubber Mfg. Co., Trenton, N. J.
Buffalo Bibbs and Stops. Fries & Co., Buffalo, N. Y.
Buffalo Boiler Oil Injectors. Sherwood Mfg. Co., Buffalo, N. Y.
Buffalo Brake Beams. Buffalo Brake Beam Co., New York.
Buffalo Bull Patch. R. Hoffield & Co., Buffalo, N. Y.
Buffalo Aqua & Anhydrous Ammonia. Robinson Bros., Brooklyn.
Buffalo Babbitt Metal. Lumen Bearing Co., Buffalo.
Buffalo Bar Cutting Machines, Heating and Ventilating Equipment, Power Punches, Etc. Buffalo Forge Co., Buffalo.
Buffalo Brand Blast Furnaces. Buffalo Union Furnace Co., Buffalo.
Buffalo Brick Carriers' Clamps and Salamanders. Mostberger Iron Co., Buffalo.
Buffalo Can Filling Machine. Buffalo Filling Machine Co., Buffalo, N. Y.
Buffalo Centrifugal Pumps, Marine Motors. **Buffalo Gasoline Motor** Co., Buffalo, N. Y.
Buffalo Centrifugals, Rice Mills & Water Wheels. Geo. L. Squier Mfg. Co., Dept. H, Buffalo.
Buffalo Clamps. E. R. Josef Mfg. Co., Buffalo, N. Y.
Buffalo Conveyor Belting. Mechanical Rubber Co., Cleveland, O.
Buffalo Curtain Stretchers & Quilting Frames. Buffalo Stretcher Mfg. Co., Buffalo.
Buffalo Dust Collectors, Exhaust Heads, Axle Setters, Forges, Benders, Drills, Nozzles, Shears, Punches, Tire Setters. Buffalo Forge Co., Buffalo.
Buffalo Egg Poachers. Republic Metalware Co., Buffalo.
Buffalo Extinguishers. Buffalo Fire Appliance Corp., Buffalo, N. Y.
Buffalo Electric Hoists. Buffalo Hoist & Derrick Co., Buffalo.
Buffalo Gravity-Locking Blind Hinges. Wrightsville Hardware Co., Wrightsville, Pa.
Buffalo Grip Comealongs. Western Electric Co., New York.
Buffalo Grips. Smith & Hemenway, Inc., New York; Irvington, N. J.
Buffalo Harness Snaps. Freezer & Jones Co., Syracuse, N. Y.
Buffalo Hay Presses. Maytag Co., Newton, Ia.
Buffalo Hoists. Buffalo Contractors Plant Corp., Buffalo, N. Y.
Buffalo Knife and Scissors Grinders and Saw Sharpening Machines, Sam'l C. Rogers & Co., Buffalo.
Buffalo Leather Belting. Union Belt Co., Fall River, Mass.
Buffalo Lubricators, Boiler Injectors, Gauge Cocks and Oil and Grease Cups, Sight Feed Lubricators. Sherwood Mfg. Co., Buffalo.
Buffalo Pig Iron. Buffalo Union Furnace Co., Buffalo, N. Y.
Buffalo-Pitts Road Rollers. Buffalo-Springfield Roller Co., Springfield, O.
Buffalo-Pitts Steam Road Rollers. Buffalo Springfield Roller Co., Springfield, Ohio.
Buffalo-Pitts Straw Burning Traction Engines. Buffalo Pitts Co., Buffalo.
Buffalo Portland Cement. Buffalo Cement Co., Ltd., Buffalo, N. Y.
Buffalo Presto Pneumatic Spray Brushes. F. J. Lederer Co., Buffalo.
Buffalo Quality Paints and Varnish. McDougall-Butler Co., Inc., Buffalo, N. Y.
Buffalo Reclaimed Rubber. U. S. Rubber Reclaiming Works, New York.
Buffalo Refrigerators. Heinz & Munschauer, Buffalo.
Buffalo Rubber Packing. Acme Rubber Mfg. Co., Trenton, N. J.
Buffalo Rubber Roofing. Western Elaterite Roofing Co., Denver, Colo.
Buffalo Scales and Grain Testers. Buffalo Scale Co., Buffalo.
Buffalo-Silent Meat Choppers and Sausage Making Machinery. John E. Smith & Sons Co., Buffalo.
Buffalo Sure Grip Chucks. Buffalo Forge Co., Buffalo.
Buffalo Snips. Niagara Machine & Tool Works, Buffalo, N. Y.
Buffalo-Springfield Road Rollers. Buffalo Springfield Roller Co., Springfield, O.
Buffalo Staple Pullers. Osmundson Spade Mfg. Co., Perry, Ia.
Buffalo Steam Pumps. Buffalo Steam Pump Co., Buffalo.
Buffalo Steam & Hot Water Heaters. W. A. Chase & Sons Mfg. Co., Buffalo.
Buffalo Tinware. Aldrich Mfg. Co., Buffalo.
Buffalo Valve and Service Boxes. Central Foundry Co., New York; Modern Iron Works, Quincy, Ill.
Buffalo Vent Wax Cane Compounds. United Compound Co., Buffalo.
Buffalo Water Meters. Buffalo Meter Co., Buffalo.
Buffalo Wire Cloth. Buffalo Wire Works Co., Buffalo, N. Y.
Buffalo Wood Fibre Plaster. American Cement Plaster Co., Buffalo
Buffington Auto Luggage Carrier, Folding Steel Auto Chair, Tire Saving Jack. C. A. Buffington & Co., Berkshire, N. Y.
Buffington Automobile Seats. C. A. Buffington & Co., Berkshire, N. Y.
Buffokast Chemical, Grey Iron and Semi Steel Castings. Buffalo Foundry & Mach. Co., Buffalo.
Buffokast Castings, Chemical Apparatus, Chemical Plants. Buffalo Foundry & Machine Co., Buffalo, N. Y.
Buffovak Vacuum Apparatus, Dryers, Pumps, Condensers and Evaporators, Impregnating Apparatus, Pans and Atmospheric Dryers. Buffalo Foundry & Machine Co., Buffalo, N. Y.
Buff-Tex Face Brick. Alabama Clay Products Co., Birmingham, Ala.
Buffum Card Printing Presses. Buffum Tool Co., Louisiana, Mo.
Bug-Death Insecticides. Danforth Chemical Co., Leominster, Mass.
Bug-No Insecticides. Plunkett Chemical Co., Chicago.
Buhl Cans. Buhl Stamping Co., Detroit, Mich.
Buhl Patented Steam Dryer. G. A. Buhl Co., Chicago.
Buhrke Leather and Canvas Goods. R. H. Buhrke Co., Chicago.
Buick Motor Cars. Buick Motor Co., Flint, Mich.
Buick Positive Transmission Lock. The North Side Buick Sales Co., Chicago.
Builders Gun Carriages, Manhole Covers, Polishing Heads, Lathes and Machines, Lapping Machines and Pneumatic Tubes. Builders Iron Fdry., Providence, R. I.
Bulkley Barometric Injector Condensers. M. W. Kellogg Co., New York.
Bullard Adjustable Pocket Wrenches, Combination Wrenches. Bullard Automobile Wrench Co., Providence, R. I.
Bullard Carpet Stretchers. Bradley & Farnham, Middlefield, Conn.
Bullard Maxi-Mills; Mult-Au-Matics; Vertical Boring and Turning Mills; Vertical Turret Lathes. The Bullard Machine Tool Co., Bridgeport, Conn.
Bull Babbitt Metal. Ajax Metal Co., Philadelphia, Pa.
Bull-Dog Acid Phosphate. Union Seed & Fertilizer Co., Gretna, La.
Bull Dog Auto Grip Anti-Skidding Chains. Ulfers Mfg. Co., Freeport, Ill.
Bull Dog Baby Carriage Tires, Belting, Hose, Packing, Rubber Heels, Mats & Insulating Tape. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Bull Dog Battery Connectors. National Carbon Co., Cleveland.
Bull Dog Bed and Furniture Casters. Faultless Caster Co., Evansville, Ind.
Bull Dog Belt Fasteners and Lacing. Columbia Novelty Co., St. Louis.
Bulldog Belting, Rubber Hose. **Boston Woven Hose & Rubber Co.,** Cambridge, Mass.
Bull Dog Boiler Flue and Tube Cleaners. Elliott Co., Pittsburgh.
Bull Dog Boiler Tube Cleaners. Liberty Mfg. Co., Pittsburgh.
Bulldog Bolt Cutters. H. K. Porter, Everett, Mass.
Bull Dog Bootjacks. Nicol & Co., Chicago, Ill.
Bull Dog Can Openers. Ira F. White & Son, Bloomfield, N. J.
Bull Dog Casement Adjusters. Casement Hardware Co., Chicago.
Bull Dog Chains. The Chain Products Co., Cleveland, O.
Bull Dog Clinching Nails. G. G. Roberts Corp., Witham, Mass.
Bull Dog Closet Seats. Grand Rapids Hand Screw Co., Grand Rapids, Mich.; Wm. Heap & Sons, Grand Haven, Mich.
Bull Dog Coil Chains and Hammock Chains. Chain Products Co., Cleveland, O.
Bull Dog Concrete Mixers. Raber & Lang Mfg. Co., Kendallville, Ind.
Bull Dog Corn and Cob Mills. Letz Mfg. Co., Crown Point, Ind.
Bull Dog Cutting Nippers. Utica Drop Forge & Tool Co., Utica, N. Y.
Bull Dog Cutting and Drilling Compounds and Linseed Oil Soap. Climax Refining Co., Cleveland, O.
Bull Dog Die Stocks. The Oster Mfg. Co., Cleveland, O.
Bull Dog Drill Steel. International High Speed Steel Co., New York.
Bull Dog Dry Batteries. Western Dry Battery Co., Seattle, Wash.
Bull Dog Fair Gyratory Rock and Ore Crushers. Traylor Engng. & Mfg. Co., Allentown, Pa.
Bull Dog Fanning Mills. Colfax Manfg. Co., Minneapolis, Minn.
Bull Dog Flexible Belt Lacing. Columbia Belt Hook Co., St. Louis, Mo.
Bull Dog Friction Clutches. Beloit Iron Works, Beloit, Wis.
Bull Dog Gas Engines. Bates & Edmonds Motor Co., Lansing, Mich.
Bull Dog Gasoline Blow Torches. Turner Brass Works, Sycamore, Ill.
Bull Dog Gear Compound & Belt Dressing. Indian Refining Co., New York.
Bull Dog Grip Spring Clothes Pins. U. S. Clothespin Co., Montpelier, Vt.
Bull Dog Guy Clips and Wire Rope Clips. Lamson & Sessions Co., Cleveland, Ohio.
Bull-dog Hand and Power Batch Mixers. Raber & Lang Mfg. Co., Kendalville, Ind.
Bull Dog Hookaroon Picks and Logging Tools. Warren Axe & Tool Co., Warren, Pa.
Bull Dog Hose Clamp. W. D. Allen Mfg. Co., Chicago.
Bull Dog Jaw Crushers, Gyratory Crushers and Feeders. Traylor Eng'g. & Mfg. Co., Allentown, Pa.
Bulldog Junior Mine Trolley Clamps. The Ohio Brass Co., Mansfield, Ohio.
Bulldog Knife Switches and Switchboards, Oil Break Switches. Mutual Electric Machine Co., Detroit, Mich.
Bull Dog Letter Clips. H. C. Cook Co., Ansonia, Conn.
Bulldog Lock Nuts. Waynesboro Nut Lock Co., Inc., Waynesboro, Pa.
Bull Dog Lock Washers. Waynesboro Nut Lock Co., Waynesboro, Pa.
Bull Dog Logging Tools. Warren Axe & Tool Co., Warren, Pa.
Bull Dog Machinists' Vises. Prentiss Vise Co., New York City.
Bulldog Mine Trolley Clamps. The Ohio Brass Co., Mansfield, O.
Bull Dog Mop Wringers. Bushnell Novelty Co., Mansfield, O.
Bull Dog Nail Pullers. L. F. Grammes & Sons, Allentown, Pa.
Bulldog Nut. Daniels Safety Device Co., Chicago.
Bull Dog Padlocks. Sargent & Co., New Haven, Conn.
Bull Dog Paints. Longman & Martinez, New York City.
Bull Dog Paper Mill Grinders. Noble & Wood Machine Co., Hoosick Falls, N. Y.
Bull Dog Parallel Vises. Prentiss Vise Co., New York.
Bull Dog Parcel Post Mailing Bags, Burlap Bags, Etc. National Bag Co., Naperville, Ill.
Bulldog Plate Hooks. Port Engng. Works, Brooklyn, N. Y.
Bull Dog Porcelain Knobs. Illinois Electric Porcelain Co., Macomb, Ill.
Bull Dog Portable Lamp Guard. McGill Mfg. Co., Valparaiso, Ind.
Bull Dog Pump Leather. C. F. Adams, Ft. Worth, Texas.
Bull Dog Quality Rubberized Fabrics. L. J. Mutty Co., Boston, Mass.
Bulldog Rock Drill Steel. International High Speed Steel Co., New York.
Bull Dog Rotary Pumps. The John H. McGowan Co., Cincinnati, O.
Bull Dog Sash Cord and Sash Chain Fasteners. Allen & Son Co., Hartford, Conn.
Bulldog Scouring Powder. United States Chemical Co., Los Angeles.
Bull Dog Shafting Couplings. Stanley Belting Corp., Chicago, Ill.
Bulldog Shipping Containers. Pittsburgh Corrugated Paper Box Co., Pittsburgh, Pa.
Bull Dog Shock Absorbers. L. H. Gilman Co., Philadelphia.
Bulldog Special Steel. International High Speed Steel Co., New York.
Bull Dog Steam Pumps. Lucy Mfg. Corp., New York.
Bulldog Steel. International High Speed Steel, New York.
Bull Dog Stock and Dies. Oster Mfg. Co., Cleveland, O.
Bull Dog Stump Pullers. Mohr Steel Co., San Francisco, Calif.
Bull Dog Tinners' Snips. Bridgeport Hdwe. Mfg. Corp., Bridgeport, Conn.

Bull Dog Toe Calks. Phoenix Horse Shoe Co., Chicago.
Bull-dog Trolley Wire Clamps. Ohio Brass Co., Mansfield, O.
Bull Dog Varnish. Longman & Martinez, New York.
Bull Dog Vises. Prentiss Vise Co., New York.
Bull Dog Wall Paper Size. Cott-a-Lap Co., Somerville, N. J.
Bulldog Wall Plaster. Colorado Portland Cement Co., Denver, Colo.
Bull Dog Wall Ties. American Rolling Mill Co., Middletown, O.
Bull Dog White Finish. A. P. Munning & Co., Matawan, N. J.
Bull-dog Window Casement Adjusters. Casement Hardware Co., Chicago, Ill.
Bull Dog Wire Stretchers. Mason Fence Co., Leesburg, Ohio.
Bull Dog Wrenches. J. H. Williams & Co., Buffalo, N. Y.
Bulldozer Power Pumps and Working Heads. The F. E. Myers & Bro., Ashland, O.
Bulldozers. Williams, White & Co., Moline, Ill.
Bullett Gas Automobile Lamps. Gray & Davis, Boston, Mass.
Bull Frog Concrete, Coke, Foundry, Steel Tray and Tubular Barrows; also Iron and Steel Wheelbarrows, Concrete Carts and Drag Scrapers. Toledo Wheelbarrow Co., Toledo, O.
Bull Frog Shoe Blackings. S. M. Bixby & Co., Brooklyn, N. Y.
Bull Frog Shovels, Spades and Scoops. Ohio Shovel and Stamping Co., Canal Dover, O.
Bull Frog Rivalite Metallic Packing. Strong Machinery & Supply Co., New York.
Bull Run Powdered Talc. Federal Foundry Supply Co., Cleveland, O.
Bull Terrier Wrench. J. H. Williams & Co., Buffalo, N. Y.
Bull Tongue Guy Anchors. I. A. Bennett Co., Chicago, Ill.
Bullock Motors, Generators and Electrical Apparatus. Allis Chalmers Mfg. Co., Milwaukee, Wis.
Bullock Tackle Blocks. Jas. H. Channon Mfg. Co., Chicago, Ill.
Bullock Tweezers and Wrenches. Bullock Mfg. Associates, Springfield, Mass.
Bull's Eye Brushes. Wm. Zinsser & Co., Inc., New York.
Bulls-Eye Cameras and Tripods. Eastman Kodak Co., Rochester, N. Y.
Bull's Eye Cotton Belting. Revere Rubber Co., Boston, Mass.
Bull's Eye Lanterns. Knapp Mfg. & Supply Co., New York.
Bullseye Lenses. Jefferson Glass Co., Chicago, Ill.
Bull's Eye Lubricators. G. B. Essex Brass Co., Detroit, Mich.
Bullseye Locomotive Lubricators. Detroit Lubricator Co., Detroit, Mich., Nathan Mfg. Co., New York.
Bullseye Shellacs, Varnishes, Paints, Etc. Wm. Zinsser & Co., New York.
Bullseye Smokeless Revolver Powder. Hercules Powder Co., Wilmington, Del.
Bullseye Water Gauges. Hanlon Locomotive Santer Co., Wichita, Mass.
Bull's Head Carbonate of Potash. J. A. & W. Bird & Co., Boston.
Bull's Head Flint Paper. Armour Sandpaper Works, Chicago, Ill.
Bull's Head Leather Belting. Chas. A. Schieren Co., New York.
Bull's Hide Gray Carpet Linings. Brown Co., Portland, Me.
Bully Boy Saw Sets. Hy. Disston & Sons, Tacony, Phila., Pa.
Bully Shine Shoe Blacking and Polishes. Whitemore Bros. Corp., Cambridge, Mass.
Bump Paper Fastener. Bump Paper Fas. Co., LaCrosse, Wis.
Bumpa Automatic Dumps. Sanford-Day Iron Wks., Knoxville, Tenn.
Bumper Ore Concentrators. McFarlane, Eggers Machinery Co., Denver, Colo.
Bundy Card Time Recorders. Simplex Time Recorder Co., Gardner, Mass.
Bundy Card Time Recorders. W. H. Bundy Recording Co., New York.
Bundy Oil Separators. The Griscom-Russel Co., New York.
Bundy Steam and Oil Separators. Griscom-Russell Co., New York.
Bundy Steam Traps. Nashua Machine Co., Nashua, N. H.
Bungalow Water Heater. Pittsburgh Water Heater Co., Pittsburgh,
Bu-nite Engine Pistons and Piston Rings. Butler Mfg. Co., Indianapolis, Ind.
Bunker Hill Asbestos Table Mats. Turner Asbestos Co., Exeter, N.H.
Bunker Hill Asbestos Table Protectors. Turner Asbestos Co., Exeter, N. H.
Bunker Hill Lead. Bunker Hill & M. & C. Sullivan Co., San Francisco, Calif.
Bunker Hill Mining Screens. Hendrie & Bolthoff Mfg. & Supply Co., Denver, Colo.
Bunn Package Tying Machine. B. H. Bunn & Co., Chicago.
Bunnell Receiving Condensers and Spark Gaps. J. H. Bunnell & Co., New York.
Bunting Bearings and Bushings. Bunting Brass & Bronze Co., Toledo, O.
Bunting Oil Well Tools. Bunting Iron Works, San Francisco, Cal.
Bunts Rodent Exterminator. California Chemical Co., San Francisco.
Buoy Inkstands. Defiance Mfg. Co., New York.
Buoy Rubber Hose. Electric Hose & Rubber Co., Wilmington, Del.
Buoy Submarine Hose. Elec. Hose & Rubber Co., Wilmington, Del.
Bupresco Exhaust Mufflers. Buffalo Pressed Steel Co., Buffalo, N. Y.
Bupresco Silencer. Buffalo Pressed Steel Co., Buffalo, N. Y.
Burbyotte Glue. Burnet Mfg. Co., New York.
Burch Plows. Burch Plow Works Co., Crestline, Ohio.
Burch Stone Spreader. Burch Plow Works Co., Crestline, O.
Burco Auto Curtain Fasteners. G. W. J. Murphy Co., Amesbury, Mass.
Burd Quick-Seating Piston Rings. Burd High Compression Ring Co., Rockford, Ill.
Burden Bar Iron and Rivets. The Burden Iron Co., Troy, N. Y.
Burdick Enamel Signs. Burdick Enamel Sign Co., Chicago.
Burdict Bolt and Nut Machinery. Howard Iron Works, Buffalo, N. Y
Burgess High Speed Steel. Cyclops Steel Co., New York.
Burgess Paper Cop Tubes. Chas. F. Taylor, Providence, R. I.
Burgess Tires. Burgess Patent Tire Mfg. Co., Brookfield, Mo.
Burgess Warm Air Registers. Rock Island Register Co., Rock Island, Ill.
Burg-La-Proof Automatic Sash Locks. B. L. P. Sales Co., Charlestown, Pa.
Burke Closet Augers and Pipe Cleaners. B. B. Specialty Co., Pittsburgh, Pa.
Burke Electrical Motors, Generators and Motor Generator Sets. Burke Electric Co., Erie, Pa.
Burke Oil Filters. Burke Furnace Co., Chicago, Ill.
Burke Switches and Protective Apparatus. Railway & Industrial Engineering Co., Pittsburgh, Pa.
Burkhard Adding Machines. Carl H. Reuter, Philadelphia, Pa.
Burleigh Horse Blankets. Thos. Kelly & Co., Boston, Mass.
Burley Steam and Hot Water Heaters. Burley Heater Co., Tyrone, Pa.
Burlington Bibbs, Valves and Water Closet Tank Fittings. Burlington Brass Works, Burlington, Wis.
Burlington Rubber Tire Applying Machinery. Pettigrew Foundry, Harvey, Ill.
Burmaline Belting. Burrell Belting Co., Chicago.
Burn-Boston Addwater and Double-Life Batteries. Burn-Boston Battery & Mfg. Wks., Boston, Mass.
Burnett Angle Cock Holder and Brake Pipe Anchor. National Car Equipment Co., Chicago.
Burnham Air ompresors & Steam Pumps. Union Steam Pump Co., Battle Creek, Mich.
Burnham Boilers. Lord & Burnham Co., Irvington, N. Y.
Burnham Steam and Hot Water Heaters. Lord & Burnham Co., New York.
Burnham Steam Pumps. Union Steam Pump Co., Battle Creek, Mich.
Burnley Dry Batteries. Burnley Battery & Mfg. Co., North East, Pa.
Burnley Soldering Paste, Salts, Stick and Solution. **The Burnley Battery & Mfg. Co.,** North East, Pa.
Burnon Universal Seed Corn Testers. Burgess-Norton Mfg. Co., Geneva, Ill.
Bur-Nor Children's Vehicles, Counting Machines, Latches, Sash Locks, Ice Picks and Shaves, Cupboard Catches, Screw Drivers, Wire Stretchers and Tool Handles. Burgess-Norton Mfg. Co., Geneva, Ill.
Bur-Nor Hand and Brush Axes, Hatchets, Hammers, Hardware Specialties, Etc. Burgess-Norton Mfg. Co., Geneva, Ill.
Burnrite Combustion Device (Coal Saver). John Simmons Co., New York.
Burns Adjustable Desk Trays. American Electric Co., Chicago.
Burns Automobile Jacks. Wolverine Specialty Mfg. Co., Battle Creek, Mich.
Burns Brackets and Porcelain Telephone Mouthpieces. American Electric Co., Chicago.
Burns Crucibles. American Oil & Supply Co., Newark, N. J.
Burns Express Telephone Switchboards. Am. Electric Co., Chicago.
Burns Improved Cement Coatings. C. L. Burns, New York.
Burns Jacks. Wolverine Specialty Mfg. Co., Battle Creek, Mich.
Burnshine Metal Polish. J. C. Paul & Co., Chicago.
Burr Belting. Burr Oak Belting Co., Cincinnati, Ohio.
Burr Cold Saws; Portable Keyseaters. John T. Burr & Son, Brooklyn, N. Y.
Burr Oak Leather Belting. The Burr Oak Belting Co., Cincinnati, O.
Burrell B-L-K Milking Machines. D. H. Burrell Co., Derby Line, Vt.
Burrell B. & W. Milk Heaters, Cheese Vats and Curd Knives. D. H. Burrell & Co., Inc., Little Falls, N. Y.
Burrell-Pacile Babcock Testers. D. H. Burrell & Co., Inc., Little Falls, N. Y.
Burrell Gas Analysis Apparatus. Eimer & Amend, New York.
Burrell Gas Detector. Mine Safety Appliances Co., Pittsburgh, Pa.
Burrell-Simplex Cream Separators, Churns, Pasteurizers, Coolers, Vats, Emulsifiers, Pipe Fittings and Tryers. D. H. Burrell & Co., Inc., Little Falls, N. Y.
Burrell-Simplex Dairy Apparatus. D. H. Burrell & Co., Little Falls, N. Y.
Burritts Roofing Seamers. O. W. Burritt & Bro., Weedsport, N. Y.
Burro Steel Tubular Harrows, Sidney Steel Scraper. Burroughs Tool Co., New York.
Burroughs Adding Machine. Burroughs Adding Machine Co., Detroit.
Burroughs Moon-Hopkins Billing Machines. Burroughs Adding Machine Co., Detroit, Mich.
Burrowes Featherweight Folding Chairs. E. T. Burrowes Co., Portland, Me.
Burrowes Lifting Jacks, Track Jacks. Topping Bros., New York City.
Burrowes Rustless Screens. E. T. Burrowes Co., Portland, Me.
Burrows Ball Bearing Track Jacks. Walter R. Burrows, New York.
Burrows Feed Water Regulators. F. A. Burrows Mfg. Co., York, Pa.
Burrows Low Water Alarms. Burrows Mfg. Co., York, Pa.
Burrows Talking Machines. Burrows E. T. Co., Portland, O.
Burt Billiard Balls. Albany Billiard Ball Co., Albany, N. Y.
Burt Cement. Burt Portland Cement Co., Bellevue, Mich.
Burt Exhaust Heads, Oil Filters and Ventilators. Burt Mfg. Co., Akron, O.
Burt Labeling, Wrapping and Casing Machines. Burt Machine Co., Baltimore, Md.
Burt Oil Filters, Exhaust Heads, Oil Pumps, Skylights and Ventilators. Burt Mfg. Co., Akron, O.
Burt Portland Cement. Burt Portland Cement Co., Bellevue, Mich.
Burt Slime Filters. Chalmers-Williams Mfg. Co., Chicago Heights, Ill.
Bur-Tex Rugs. Burlington Blanket Co., Burlington, Wis.
Burton Anti-Rattlers. Bauer Bros. Mfg. Co., Cincinnati, O.
Burton Gasoline and Kerosene Locomotives. Mid-West Locomotive Works, Cincinnati, Ohio.
Burton Mattresses. Burton Dixie Corp., Chicago.
Burton Ship Water Closets. Thos. Laughlin Co., Portland, Me.
Burton Steel Anti-Rattlers. Fernald Mfg. Co., North East, Pa.
Burt's Drinking Cups. F. N. Burt Co., Ltd., Cleveland, O.
Bury Compressors. The Bury Compressor Co., Erie, Pa.
Busch Binoculars. F. W. King Optical Co., Cleveland, Ohio.
Bushnell Damper Regulators. Jno. S. Bushnell & Co., New York.
Bushnell's Paperoid Envelopes, File Folders and Pockets, Wallets, Etc. Alvah Bushnell Co., Philadelphia, Pa.
Busholine Vitalizer. R. J. Bush & Co., Stroudsburg, Pa.
Business Clothes Lines. Estes Mills, Fall River, Mass.
Buss Electric Fuses and Lamps. Bussman Mfg. Co., St. Louis, Mo.
Buss Fuse. Busmann Mfg. Co., St. Louis.
Buster Brown Crusher and Pulverizer. Moyle Machinery & Products Co., Los Angeles, Cal.
Busupco Sash, Door & Mill Work. Builders Supply Co., Everett, Wash.
Busy Bee Hammer Drills. McKiernan-Terry Drill Co., New York.
Busy Boy Gasoline Engines. Assocaited Mfrs. Co., Waterloo, Ia.
Busy Lawn Sprinklers. W. D. Allen Mfg. Co., Chicago.
Butchart Concentrating Tables. W. A. Butchart, Denver, Colo.
Butcher's Polish. Butcher Polish Co., Boston, Mass.
Butler Auto Truck Trailers. Butler Co., Butler, Ind.
Butler Boat Cushions. Pneumatic Mfg. Co., Brooklyn.
Butler Combination Steel Corn Cribs. Butler Mfg. Co., Kansas City.
Butler Steel Products. Butler Mfg. Co., Kansas City, Mo.
Butler Trash Cans. The Butler Mfg. Co., St. Anthony Falls Sta., Minneapolis, Minn.
Butler's Attachments, Draft Gears. **Butler Drawbar Attachment Co.,** Cleveland, O.
Butler's Special Maluminum Alloy Pistons. Butler Mfg. Co., Indianapolis, Ind.
Butman Flue Cleaner Rod. M. B. Skinner Co., Chicago.
Butman's Flue Scrapers, Rod Cleaners. James McCrea & Co., Chgo.
Butt and Lapwelded Pipes. Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
Buttercup Salt. Stauffer Chemical Co., San Francisco.
Butterfield Tapes, Dies, Reamers. **Butterfield & Co., Derby Line, Vt.**
Butterfield Thread Cutting Tools. Butterfield & Co., Derby Line, Vt.
Butterfly Clothes Washing Machines. Albaugh-Dover Co., Chicago.
Butterfly Cream Separators; Washing Machines. Albaugh-Dover Co., Chicago.

Butterfly Rock Drills and Plug Drills. Ingersoll-Rand Co., New York.
Butter-Kist Popcorn Machine, Peanut Toasters, Nut Stores. Holcomb & Hoke Mfg. Co., Indianapolis, Ind.
Butternut Faucets. Chas. I. Allen, Pequabuck, Conn.
Buttonlath Plaster Board. Buttonlath Mfg. Co., Los Angeles.
Button-Lock Door Locks. Schlage Co., San Francisco.
Button and Plate Belt Fasteners. Sawyer Belt Hook Co., Pawtucket, R. I.
Button's Combination Pliers. Irving Mfg. & Tool Co., New York.
Buttonlath Fibrous Composition Lath. Buttonlath Mfg. Co., Los Angeles, Cal.
Buzz Conveyor. Buzz Engineering Co., Louisville, Ky.
Buzzer Automatic Blast, gas Soldering, Furnaces, Tinning Baths and Gas Burners. Chas. A. Hones, Inc., Baldwin, N. Y.
Buzzer Soldering Furnaces. Chas. A. Honse, Brooklyn, N. Y.
B-Ver Reamers. Hjorth Lathe & Tool Co., Boston, Mass.
Byerlyte Asphalt Cements and Waterproofing Materials. Byerly & Sons, Cleveland.
Byers Auto-Crane. The John F. Byers Machine Co., Ravenna, O.
Byers Genuine Wrought Iron Pipe. A. M. Byers Co., Pittsburgh, Pa.
Byers' Hoisting Engines. The John F. Byers Machine Co., Ravenna, O.
Byllesby Wishbone Cross Arms. R. Thomas & Sons Co., East Liverpool, O.
By-lo Churns. Standard Churn Co., Wapakoneta, Ohio.
Bypro Fuel Oil Intensifier. United Fuel & Iron Co., Pittsburgh.
Byram Foundry Plant Equipments and Tumbling Mills. Central Foundry Supply Co., Columbus, Ohio.
Bytumen Hose. Quaker City Rubber Co., Philadelphia, Pa.

C

C. Bache-Wiig Barking Drums. Baker Mfg. Corp., Saratoga Springs, N. Y.
C Fire Resisting Cements. Howard Co., New Haven, Conn.
C Nickel Babbitt Metal. A. Gilbert & Sons Brass Fdry. Co., St. Louis.
C. Sad Irons. Colebrookdale Iron Co., Pittstown, Pa.
C. A. Maynard Shovels. C. A. Maynard, Northampton, Mass.
C.-A.-Wood-Preserver (Carbolineum America). C.-A.-Wood-Preserver Co., St. Louis, Mo.
C. B. Co. Compressed Couplings. Chain Belt Co., Milwaukee, Wis.
"C B" Electrical Renewable Plug Fuses. Cote Brothers Mfg. Corp., Chicago.
C. B. Leather Belting. Couse & Bolten, Inc., Newark, N. J.
C.-B. Steam Cocks. Chandler-Boyd Supply Co., Pittsburgh.
C. B. Steam Traps. Strube Machine Works, Chicago.
C-B Varnishes. Cooper-Bell Varnish Co., Chicago.
C. B. &. Q. Corn Planters. International Harvester Co., Chicago.
C. B. & Q. Tedder Hay Racks. Rock Island Plow Co., Rock Island, Ill.
C. C. Brooks Hooks, Knives and Scythes. North Wayne Tool Co., Hallowell, Me.
C. C. Chain. Columbus McKinnon Chain Co., Columbus, O.
C. C. Co. Cutlery. Canton Cutlery Co., Canton, O.
C. C. Crane and Dredge Chains. Columbus McKinnon Chain Co., Columbus, O.
CC Mine Locomotives. Morgan-Gardner Electric Co., Chicago.
C. C. Packing. Crane Co., Chicago.
C. C. Parsons Aqua and Anahydrous Ammonia. Columbia Chemical Works, Brooklyn.
C. C. Wais Punching and Shearing Machinery. Covington Machine Co., Covington, Va.
C. D. Railroad Union. Illinois Malleable Iron Co., Chicago.
C. G. Cotton Softeners. E. F. Houghton & Co., Philadelphia.
C. G. Heat Treated Spring Bumpers, Oil Tempered Springs. C. G. Spring Co., Kalamazoo, Mich.
C.-H. All Steel Water Tube Boiler. The Casey-Hedges Co., Chattanooga, Tenn.
C-H Electrical Appliances. Cutler-Hammer Mfg. Co., Milwaukee, Wis.
C. H. & E. Hoists, Mortar Mixers, Pumps, Portable Saw Rigs, Engines. C. H. & E. Mfg. Co., Inc., Milwaukee, Wis.
C. H. & T. Co. Tool Handles. Columbus Handle & Tool Co., Columbus, Ind.
C. I. Packing. Cincinnati Rubber Mfg. Co., Cincinnati.
C. I. Rubber Packing. Whitehead Bros. Rubber Co., Trenton, N. J.
C. I. Rubber Tubing. U. S. Rubber Co., New York.
C. I. Sheet Packing. Revere Rubber Co., Boston, Mass.
C. J. Coal Meter. C. J. Mfg. Co., Philadelphia, Pa.
C-K Co. Gas Holders. Cruse-Kemper Co., Ambler, Pa.
C. L. Tanners' Oils. E. F. Houghton & Co., Philadelphia.
C-M Chain Hoist, Traveling Cranes, Two and Three-Way Switches. The Chisholm-Moore Mfg. Co., Cleveland, O.
C M Insulated Wire. National India Rubber Co., Bristol, R. I.
C. M. Shipping Pails. Crunden-Martin Mfg. Co., St. Louis.
C N Disinfectant and Cleanser. West Disinfecting Co., New York.
C-O Marine Oil Engines. Fairbanks, Morse & Co., Chicago.
C.-O. Radial Drills. Canedy-Otto Mfg. Co., Chicago Heights, Ill.
C. P. Aqua & Anhydrous Ammonia. Baker & Adamson Chemical Co., Easton, Pa.
C. P. Churns. Creamery Package Mfg. Co., Chicago.
C. P. Ice and Refrigerator Machinery. Creamery Package Mfg. Co., Chicago.
C. P. Special Industrial Starch. Corn Products Refining Co., New York.
C. P. Thrust Bearings. Iron City Products Co., Pittsburgh, Pa.
C. P. Universal Joints. Gem Manufacturing Co., Pittsburgh.
C. R. Pumps, Heaters, Regulators. Cedar Rapids Pump Co., Cedar Rapids, Ia.
C. R. & S. Brass and Copper Rivets. Chicago Rivet & Specialty Co., Chicago.
C.-T.-Electric Trucks. Commercial Truck Co., Philadelphia, Pa.
C U Mirrors. Kales Stamping Co., Detroit, Mich.
C. V. Wrenches. Bonney Forge & Tool Works, Allentown, Pa.
C.-W. Electrical Machinery. Crocker-Wheeler Co., Ampere, N. J.
C. A. J. 22 H. P. 4 Cylinder, 4 Cycle Marine Engine. Jacobson Engineering Co., Rensselaer, Suburb of Albany, N. Y.
C. A. M. Pumps. Consolidated Accessories Manufacturers' Corp., Frederick, Md.
C. B. B. Hame Fasteners. Covert Saddlery Works, Interlaken, N. Y.
C. B. S. Packing. Cincinnati Rubber Mfg. Co., Cincinnati, O.; Whitehead Bros. Rubber Co., Trenton, N. J. Western Rubber Co., Goshen, Ind.
C. C. C. Anti-freezing Compounds. Corliss Mfg. & Sup. Co., St. Louis.
C C C Auto Top Dressing; Boiler Compound; Egg Preservative. Columbia Chemical Co., Saginaw, Mich.
C. C. C. Benzoate of Soda, Coumarin, Benzoic Acid, Benzaldehyde. Commonwealth Chemical Corp., New York.
C. C. C. Closet Cleaners and Chemical Compound and Pipe Opener. Allan J. Coleman, Chicago.
C. C. C. Copper Clad Wire. Standard Underground Cable Co., Pittsburgh.
C. E. C. Tube Scraping Devices. Combustion Engineering Corp., New York.
C. E. J. & Co.'s Saws, Knives, Nail Sets, Bits, Chisels, Borers, Wall Scrapers, Screw Drivers, Levels and Slicks. C. E. Jennings & Co., New York.
C. E. S. Co., Goggles. Chicago Eye Shield Co., Chicago.
C-E-Z Celluloid Cleaner. Celluloid Cleaner Co., Chicago.
C. F. C. & Co. Manganese Steel Track Work. Cleveland Frog & Crossing Co., Cleveland.
C. F. M. Core Wash. Smith Facing & Supply Co., Cleveland.
C-G-M Oilless Bearings and Bushings. Massachusetts Oilless Bearings Co., Wakefield, Mass.
C I Z Culvert Pipes. Albert N. Easton, Omaha, Neb.
C. L. E. Hose Nozzles. John Simmons Co., New York.
C. M. B. Adjustable Wrenches. C. M. H. Wrench Co., Garwood, N. J.
C. M. C. Turbine Water Wheels. Christiana Mach. Co., Christiana, Pa.
C. M. P. Household Products. The Cleveland Metal Products Co., Cleveland, O.
C. M. P. Metal Specialties. Central Metal Products Co., Canton, O.
C-M-T Countershaft Clutches. Conway & Co., Cincinnati, O.
C. N. W. Bell Cord Couplings. Charles N. Wood Co., Boston, Mass.
C. N. W. Register Cord Spicers. Chas. N. Wood Co., Boston.
C. O. P. Valve Discs, Water Glass Gaskets. Strong Mach'y & Sup. Co., New York.
C. O. S. Cloth Packing. James W. Stokes Rubber Co., Trenton, N. J.
C. O. S. Packing. Cincinnati Rubber Mfg. Co., Cincinnati, O.; Western Rubber Co., Goshen, Ind.
C. O. T. Carriage Top Dressing. Chas. O. Tingley & Co., Rahway, N. J.
C. P. P. Paint. Carbon Paint Co., Salt Lake City.
C. R. L. Fire Hose. Revere Rubber Co., Boston, Mass.
C. R. S. Flangeway Guards and Guard Rails. The Cleveland Railway Supply Co., Cleveland, O.
C. S. C. Dustless Mops. Cedar-Sweep Co., Los Angeles.
C. S. G. Wool Deadening Felt. C. S. Garrett & Son, Philadelphia, Pa.
C. S. O. & Co. Pliers and Nippers. C. S. Osborn & Co., Harrison, N. J.
C. S. O. & Co. Scalloping Machines. C. S. Osborne & Co., Newark, N. J.
C T C Copper. Tottenville Copper Co., Tottenville, N. Y.
C. T. C. Tires & Tubes. Columbia Tire Corp., Portland, Ore.
C-V-C Lighting Plants. Columbian Bronze Corp., New York.
C.-W.-C. Castings. Campbell, Wyant & Cannon Foundry Co., Muskegon, Mich.
C Y W Choice Steel. Firth Sterling Steel Co., McKeesport, Pa.
C S C O Car Vestibule Diaphragms. The Curtain Supply Co., Chicago.
C. & B. Leather Belting. The Coe & Brown Co., New Haven, Conn.
C & C Edger. Chicago Laundry Machy. Co., Chicago.
C. & C. Lawn Trimmers. Chadborn & Coldwell Mfg. Co., Newburgh, N. Y.
C. & C. Starchers. Geo. H. Bishop, Chicago.
C. & D. Closet Seats and Tanks. Coyne Delany Co., Brooklyn, N. Y.
C. & F. Knitting Machinery. Ainslie Knitting Machine Co., Brooklyn.
C. & F. Screw Drivers. Cassady Fairbank Mfg. Co., Chicago.
C. & F. Wire Straighteners. Chandler & Farquhar Co., Boston, Mass.
C. & H. Beverage Coolers and Dispensers. Cordley & Hayes, New York.
C. & H. Water Tube and Return Tubular Boilers. The Casey-Hedges Co., Chattanooga, Tenn
C. & J. Engine Lathes. The Carroll & Jamieson Machine Tool Co., Batavia, O.
C. & L. Fire Pots and Torches. Clayton & Lambert Mfg. Co., Detroit, Mich.
C. & L. Tires and Tubes. Chanslor & Lyon Co., San Francisco.
C. & M. Oil Retainers and Tools. Contrell-Miller Mfg. Co., San Francisco.
C. & P. Paper Cutters and Presses. The Chandler & Price Co., Cleveland, Ohio.
C. & S. Tire Air Pumps. Codman & Shurtleff, Boston.
C. & Y. Handy Die Stocks. Jos. H. Young Co., Boston, Mass.
C2 Hoists. Link-Belt Co., Chicago.
Cabco Asphalt Roofing. Cleveland-Akron Bag Co., Cleveland.
Cable Compound Cable Grease. Climax Refining Co., Cleveland.
Cabin Car Stoves. James Spear Stove & Heating Co., Philadelphia, Pa.
Cabinet Hose Racks. Chas. Zuhring & Bro., Cincinnati.
Cabinet Spring Hinges. Chicago Spring Hinge Co., Chicago.
Cable Hose. The Diamond Rubber Co., Inc., Akron, O.
Cableine Wire Rope Coating. Strong Machinery & Supply Co., New York.
Cable Prince Pumps, Engines, Etc. Darcoid Co., New York.
Cabot Iron and Steel Preserving Paints, Waterproofing Materials. Samuel Cabot, Inc., Boston, Mass.
Cabot's Roofing, Sheathing and Building Paper, Shingle Stains. **Sam'l** Cabot, Boston, Mass.
Cactus Lawn Sprinklers. American Founry & Mfg. Co., St. Louis, Mo.
Cad Bolts, Nuts, Washers, Wedges and Clamps. Standard Shop Equipment Co., Inc., Dept. H, Philadelphia, Pa.
Cad Set-Up Appliances for Machine Tools. Standard Shop Equipment Co., Inc., Philadelphia, Pa.
Caddo Special, Mechanical Rubber Goods, Oil and Water Well Supplies. Sehnert's, Inc., Shreveport, La.
Cadet Annunciators, Bells and Buzzers. Edwards & Co., Inc., New York.
Cadet Heating Stove. B. C. Bibb Stove Co., Baltimore, Md.
Cadet Oil Pumps. Wm. Powell Co., Cincinnati, O.
Cadet Blue Kitchen Enameled Ware. Belmont Stamping & Enameling Co., New Philadelphia, O.
Cadillac Auto Trucks. Cadillac Auto Truck Co., Cadillac, Mich.
Cadillac Automobiles. Cadillac Motor Car Co., Cadillac, Mich.
Cadillac Bench Centers; Drilling and Centering Machines. Cadillac Tool Co., Detroit, Mich.
Cadillac Electric Vacuum Cleaners, Carpet Sweepers and Portable Blowers. Clements Mfg. Co., Chicago.
Cadillac Pig Iron. Mitchell-Diggins Iron Co., Cadillac, Mich.
Cadillac Portable Electric Blowers; Electric Furnace Blast. Clements Mfg. Co., Chicago.
Cadman Indestructible Blow-Off Valves. A. W. Cadman Mfg. Co., Pittsburgh, Pa.
Cado Ink Brush Erasers. Cushman & Denison Mfg. Co., New York.
Cady Quality Lumber. W. M. Cady Lumber Co., Inc., McNary, La.
Caffall Waterproofing Process. Oberisk Waterproofing Co., New York.
Cafferty-Hayden Tie Tong. The C-H Tie Tong Co., Topeka, Kan.
Caffery Huntington Track Gauges. Buda Co., Harvey, Ill.
Caffrey Whip Socket Fasteners. Searls Mfg. Co., Newark, N. J.
Cag Lamps. Concorda Safety Lamp Co., Pittsburgh, Pa.

Cahall Water Tube Boiler. Babcock & Wilcox Co., New York.
Cahill Ferrules. M. F. Cahill, Boston, Mass.
Cahill Furnace and Fire Place Furnishings. Chattanooga Roofing & Fdry. Co., Chattanooga, Tenn.
Cahoon Seed Sowers. Goodell Co., Antrim, N. H.
Cain Jet Systems of Heat. W. H. Cain Gas Radiator Co., Los Angeles.
Calaente Rubber Hose. Electric Hose & Rubber Co., Dept. H, Wilmington, Del.
Calairs Gang Edger & Ripper. Elliott Machine Co., Calais, Me.
Calaria Stearine Pitch. Moore & Munger, New York.
Calcimo Wall-Coating. The Muralo Co., New Brighton, N. Y.
Calcitine Calcimine. M. Ewing Fox Co., New York and Chicago.
Calco Iron Flumes, Road Culverts, Tanks and Sluice Gates. California Corrugated Culvert Co., Berkeley and Los Angeles, Cal.
Calco Irrigation Equipment and Farm Products. California Corrugated Culvert Co., Los Angeles, Calif.
Calco Reservoir Fixtures. California Corrugated Culvert Co., Oakland and Berkeley, Cal.
Calculagraph Elapsed Time Recorder. Calculagraph Co., New York.
Calcutts Go-Cart Tires, Coiled Wire Springs, Etc. Gardner Wire Co., Chicago.
Calcutts Wire Automobile Belts. Gardner Wire Co., Chicago, Ill.
Calder Emery Wheel Dresser. Geo. H. Calder, Lancaster, Pa.
Caldwell Car Pullers, Elevator Boots, Friction Clutch, Gears. Link-Belt Company, Philadelphia, Indianapolis, Chicago, H. W. Caldwell & Son Co., Chicago.
Caldwell Door Checks. Caldwell Mfg. Co., Rochester, N. Y.
Caldwell Grantesters and Pulleys, Pan Conveyors, Elevator Boots, Car Pullers and Power Transmitting Machinery. H. W. Caldwell & Son Co., Chicago, Ill.
Caldwell Friction Clutch. W. E. Caldwell Co., Inc., Louisville, Ky.
Caldwell Lavatories and Fittings. Sanitas Mfg. Co., Boston, Mass.
Caldwell Safety Pop Valves. L. I. Caldwell Co., Los Angeles, Cal.
Caldwell Sash Balances. Caldwell Mfg. Co., Rochester, N. Y.
Caldwell Silos. Co-Operative Concrete Const., Co., Oskaloosa, Ia.
Caldwell Tanks, Tank Lugs and Towers. W. E. Caldwell Co., Louisville, Ky.
Caldwell Walker Gears. Link-Belt Company, Philadelphia, Indianapolis, Chicago; H. W. Caldwell & Son., Chicago.
Caldwell's Hose Bands. W. D. Allen Mfg. Co., Chicago.
Calhoun Fuel Oil Burner. F. A. Calhoun Company, Jersey City, N. J.
Caledonian Front Brick. Fiske & Co., Boston.
Calf Cattle Dehorners. L. A. Sayre & Son, Newark, N. J.
Calhoun Cotton Rope. Anniston Cordage Co., Anniston, Ala.
Calibestos Gaskets and Packing. Gen. Asbestos & Rubber Co., Charleston, S. C.
Calico Oil, Meal Cake and Fertilizer. California Cotton Oil Co., Los Angeles, Cal.
Calida Baths and Lavatories. Crane Co., Chicago, Ill.
Calido Nickel-Chromium Wire. Electrical Alloy Co., Morristown, N. J.
Calido Resistance Wire. The Electrical Alloy Co., Morristown, N. J.
Calido Special Alloy. The Electrical Alloy Co., Morristown, N. J.
California Automobile. Leach-Biltwell Motor Car Co., Los Angeles.
California Brand Sheet Metal Stamping. S. Lofea, Oakland, Cal.
California Diamond Pipe Joints. National Tube Co., Pittsburgh, Pa.
California Force Pumps. Barnes Mfg. Co., Mansfield, O.
California Grain Trucks. The Lansing Company, Lansing, Mich; Nutting Truck Co., Faribault, Minn.
California Hay Forks. F. E. Myers & Bro., Ashland, O.
California Knives and Spoons. Ontario Knife Co., Franklinville, N. Y.
California Lawn Sprinklers. W. D. Allen Mfg. Co., Chicago.
California Maid Washing Machines. H. E. Williamson Co., San Fran.
California Poppy Plumbers Enameled Iron Ware. Whiting-Mead Co., Los Angeles, Cal.
California Pruning Shears. Smith, Seymour & Son, Oakville, Conn.
California Pumps and Hay Forks. The F. E. Myers & Bro., Ashland, Ohio.
California Redwood. The Pacific Lumber Co. of Ill., Chicago.
California Safety Cargo Hooks. Thos. Laughlin Co., Portland, Me.
California Spot Lights. Gilfillian Bros., Inc., Los Angeles, Cal.
California Standard. California Grademeter Co., San Francisco.
California Steel Windows. Michel & Pfeffer Iron Works, San Fran.
California Trace Carriers. North & Judd Mfg. Co., New Britain, Conn.
California Vegetable Parers. Ira F. White & Son Co., Bloomfield, N. J.
California Wall Beds. California Wall Bed Co., San Francisco, Cal.
California Weather-Proof Wire. California Wire Co., Orange, Calif.
California Wire, Electric Wire and Cables. California Wire Co., Orange, Cal.
California Yard Hydrants. John C. Kupferle Fdy. Co., St. Louis, Mo.
Calinko Printers' Varnish. California Ink Co., Berkeley, Cal.
Calk Horse Shoe Pads. Revere Rubber Co., Chelsea, Mass.
Calkins Automatic Disinfectors and Formaldehyde Fumigators. Rochester Germicide Co., Rochester, N. Y.
Callian Foundry Cupolas. Central Foundry Supply Co., Columbus, O.
Calleson Screens. Acme Safety Window & Screen Co., San Francisco.
Calman's Wood Fillers. Emil Calman & Co., New York.
Call Me Electric Alarm Clocks. Darche Mfg. Co., Chicago, Ill.
Call Unit Window Ventilator. John A. Call, Philadelphia.
Callow Traveling Belt Screen and Settling Tanks. The Galigher Machinery Co., Salt Lake City, Utah.
Calma Trimmer Steel. Heppenstall Forge & Knife Co., Pittsburgh, Pa., Heppenstall Forge Co., Bridgeport, Conn.
Calmet Automatic Electric Cooker. West Gate Metal Products Co., Oakland, Cal.
Calno Building Boards. Fibre Building Board, Ltd., Bloomsbury, London, England.
Calol Lubricants and Asphalt. Standard Oil Co., San Francisco, Calif.
Calorabestos Fire Resistant and Retort Cement. Gillen-Cole Co., Portland, Ore.
Calorex Burners, Cocks and Furnaces. W. N. Best, Inc., New York.
Calorex Oil and Tar Burning Apparatus. W. N. Best Furnace & Burner Corp., New York.
Caloric Fireless Cookers. Caloric Co., Janesville, Wis.
Caloric Hot-Air Furnaces. Monitor Stove & Range Co., Cincinnati, O.
Calova Enamels. Standard Varnish Co., New York.
Calox Tooth Powder. McKesson & Robbins, New York.
Calox Tree Spray. McClure Chemical Laboratories, Emeryville, Cal.
Cal-Pa-Co Paints, Varnishes, etc. California Paint Co., Oakland, Cal.
Calso Automobile Oils. Standard Oil Co., San Francisco, Cal.
Caltex Optical Instruments. California Optical Co., San Francisco, Cal.
Calumet Cotton Hose. Mechanical Rubber Co., New York.
Calumet Die Starters; Track Drills. Crerar-Adams & Co., Inc., Chi.
Calumet & Hecla Oil Pumps. J. E. Lonergan & Co., Phila., Pa.
Calumet Low Voltage Rubber Wires. Belden Mfg. Co., Chicago.
Calumet Railway Track Drills and Die Starters and Nipple Cutters. Crerar Adams & Co., Chicago, Ill.
Calvet Desk Telephone Brackets. Lee Electric Co., Baltimore, Md.
Calvert Cooking Ranges. B. C. Bibb Stove Co., Baltimore, Md.
Calypsol Lubricating Greases and Oils. Diamond Compound Co., Newark, N. J.
Calyx Diamondless Core Drills. Ingersoll-Rand Co., New York.
Camachine Slitting and Rewinding Machines. Cameron Machine Co., Brooklyn, N. Y.
Camargo Shade Cloth. Chas. W. Breneman & Co., Cincinnati, O.
Cambria Auto Springs and Bumpers. Cambria Spring Co., Los Angeles, Cal.
Cambria Deformed Concrete Reinforcing Bars. Bethlehem Steel Co., Bethlehem, Pa.
Cambria Mine Ties and Concrete Bars. Bethlehem Steel Co., Bethlehem, Pa.
Cam-Bric Covering Compound. Ceresit Waterproofing Corp., Succeeding Crescent Sales & Mfg. Co., Chicago.
Cambridge Corn and Metal Bound Mill Brooms. Mass. Commission for the Blind, Cambridge, Mass.
Cambridge Dental Engines. Sterling Dental Mfg. Co., Cambridge, Mass.
Cambridge Plows. Le Roy Plow Co., Le Roy, N. Y.
Cambridge Rigid Reversible Metal Lath. American Sheet & Tin Plate Co., Pittsburgh, Pa.
Cambridge Traps. Joseph H. Young Co., Boston, Mass.
Cambro Shade Cloth. Western Shade Cloth Co., Chicago, Ill.
Camco Dies, Reamers, Milling Cutters, Taps and Gages. Camden Mfg. Co., Columbia, Pa.
Camden Grease Cups. Lindholm Metal Stamping Co., Camden, N. J.
Camden High-Pressure Valves. R. D. Wood & Co., Philadelphia, Pa.
Camel Battery Chemicals. Camel Chemical Co., Inc., Portland, Ore.
Camel Belting and Belt Dressing. Rosendale-Reddaway Belting & Hose Co., Newark, N. J.
Camelback Air Diffusion. Knowles Mushroom Ventilator Co., New York.
Camel Hair Belting. Rosendale-Reddaway Belting & Hose Co., Newark, N. J.
Cameo Cotton Sheetings. B. B. & R. Knight, Inc., Providence, R. I.
Cameo Enameled Signs. California Metal Enameling Co., Los Angeles.
Cameo Flat White Enamel. Denny, Hilborn & Rosenbach, Phila., Pa.
Cameo Rubber Belting & Hose. New York Rubber Co., New York.
Cameo Typewriter Ribbons. H. M. Storms Co., New York.
Camergraph Photo-Copy Machines. Camergraph Co., Kansas City, Mo.
Cameron Automobile Engine. The Holmes Mfg. Co., Shelton, Conn.
Cameron Can Makers' Machinery. Cameron Can Machinery Co., Chicago.
Cameron Commutators. Cameron Electrical Mfg. Co., Ansonia, Conn.
Cameron Dynamite. Grasselli Powder Co., Cleveland.
Cameron Elec. Cable Hangers. Cameron Appliance Co., Everett, Mass.
Cameron Hand-Made Lamp Chimneys, Inverted Gas Globes, Lantern Globes and Small Electric Shades. Cameron Glass & Mfg. Co., Cameron, W. Va.
Cameron Pumps. Ingersoll-Rand Co., New York.
Cameron Steam Pump. Ingersoll-Rand Co., New York.
Camillus Cutlery. A. Kastor & Bros., New York.
Camp Fire Brand Meats & Provisions. Virden Packing Co., San Francisco.
Camp Mate Camp Stoves. Hydro-Carbon Light Co., Seattle, Wash.
Camp Portable Grain Elevators. Camp Bros. & Co., Washington, Ill.
Campbell Automobile Accessories. Perkins-Campbell Co., Cincinnati.
Campbell Automatic Time Switch. Campbell Electric Co., Lynn, Mass.
Campbell Corn, Cotton, and Peanut Planters. Campbell-Hausfeld Co., Harrison, O.
Campbell Electrical Fittings. Steel City Electric Co., Pittsburgh, Pa.
Campbell Feed Water Purifiers. Ross Valve Mfg. Co., Troy, N. Y.
Campbell Fertilizer Dryers. Cambridge Iron Works, Cambridge, Mass.
Campbell Graphite Lubricating System. D. R. Neiderlander, St. Louis, Mo.
Campbell Grinding Mills. P. E. Campbell, Philadelphia, Pa.
Campbell Hammer Lock Cotters. American Chain Co., Inc., Bridgeport, Conn.
Campbell Hammerlock Self-Spreading Cotter Pins. American Chain Co., Inc., Bridgeport, Conn.
Campbell-Hurley Calorimeters. Elmer & Amend, New York.
Campbell Junction Boxes and Receptacle Plugs. Steel City Electric Co., Pittsburgh.
Campbell Paper Box. Campbell Tag Co., South Bend, Ind.
Campbell Planters. Campbell-Hausfeld Co., Harrison Co., Harrison, O.
Campbell Quality Paints, Enamels and Stains. Campbell Glass & Paint Co., St. Louis, Mo.
Campbell Receptacle Plugs and Outlet Boxes. Steel City Electric Co., Pittsburgh, Pa.
Campbell Snow Plows. Consolidated Car Fender Co., Providence, R. I.
Campbell Steel Windows. Campbell Metal Window Corp., Baltimore, Md.
Campbell Street Railway Sweeping Machines. Consolidated Car Fender Co., Vale, Providence, R. I.
Campbell Switches, Bell Ringing Transformers. Campbell Electric Co., Lynn, Mass.
Campbell Wood Stains, Floor Finish and Varnishes. Carpenters-Morton Co., Boston.
Campbell's Detachable Auto Upholstery. The Perkins-Campbell Co., Cincinnati, O.
Campbellkote Structural Steel Paint. Campbell Glass & Paint Co., St. Louis, Mo.
Camp-Duct Clay Conduits. H. B. Camp Co., Pittsburgh.
Campers Gasoline Cook Stove. California Metal Products Co., San Francisco.
Campfield Clay Products. Campfield Raggle Block Co., Richmond, Ind.
Camphene Floor Dressing. West Disinfecting Co., New York.
Canadian Carbide. Canada Carbide Sales Co., Shawinigan Products Corporation, New York.
Canador Oils and Greases. Crew Levick Co., Philadelphia, Pa.
Canady Combustion Controlled. Blaisdell-Canady Co., New York.
Canal Wooden Barrows. Frank R. Prescott, Meredith, N. H.
Canbec Fire Extinguisher. Canbec Mfg. Co., Attleboro, Mass.
Canco Garbage Cans, Ash Cans and Fly Traps. American Can Co., New York.
Canda Cams. Kennedy-Van Saun Mfg. & Eng. Corp., New York.
Candee Aerial Wire, Potheads & Sleeves. Okonite Co., Passaic, N. J.
Candee Footwear. U. S. Rubber Co., New York.
Candee Hot Air and Hot Water Brooders. Candee Incubator & Brooder Co., Eastwood, N. Y.
Candee Patent Potheads. Okonite Company, New York.
Candee Rubber Splicing Tape. The Ackurate Rubber Company, Inc., New York.
Candelabra Lamp Adapters. Frank W. Morse, Boston, Mass.
Candy's Insulating Waxes. Candy & Co., Inc., Chicago.

Cane Glaze Coating, Car Cleaner, Varnish Renovator, Renovating Fluid for Plush Cushions, Glaze for Pantasote Shades, Paste Color for Pantasote Shades, Liquid Cleaner for Pantasote Cloth. Imperial Car Cleaner Co., Newark, N. J.
Canedy-Otto Wall Type Radial Drill. Canedy-Otto Mfg. Co., Chicago Heights, Ill.
Caney Spelter. American Zinc Lead & Smelting Co., New York.
Canfield Plumbers Force Cups. H. O. Canfield Co., Bridgeport, Conn.
Canfield Rubber Tank Balls and Basin Stoppers. H. O. Canfield Co., Bridgeport, Conn.
Canfield Set Screw Protector. H. O. Canfield Co., New York.
Canfield Wrenches. Lamson & Session Co., Cleveland, O.
Caniff Grout Mixers. Ransome Concrete Machy. Co., Dunellen, N. J.
Cannon Ball Barn Door Hangers, etc. Hunt, Helm, Ferris & Co., Harvard, Ill.
Cannon Caboose and Cast Iron Heating Stoves. Green's Car Wheel Mfg. Co., St. Louis.
Cannon Corn Shellers. Ellis Keystone Agricultural Works, Pottstown, Pa.
Cannon Cracker Dry Batteries. North Electric Co., Cleveland.
Cannon Oiler. Cannon Oiler Co., Keithsburg, Ill.
Cannon Pump Oilers. Cannon Oiler Co., Keithsburg, Ill.
Cannon Stove. Fox Furnace Co., Elyria, O.
Canopus (Texaco) Lubricating Oil. The Texas Company, New York.
Canopy Stoves. Buckwalter Stove Co., Royersford, Pa.
Canpo Sheet Packing. Strong Machinery & Supply Co., New York.
Can'tgetoff Barn Door Hangers. J. E. Porter Co., Ottawa, Ill.
Cantol Water-proof Wax Belt Dressing. Cantol Wax Co., San Antonio, Texas.
Canton Alligator Shears; Coal Chutes; Portable Cranes; Sidewalk Doors. The Canton Fdry. & Machine Co., Canton, O.
Canton Automatic Mine Doors. American Mine Door Co., Canton, O.
Canton Fanning Mills. Johnson & Field Mfg. Co., Racine, Wis.
Canton Knit Padding. Knitted Padding Co., Boston, Mass.
Canton Lavatories. Crane Co., Chicago.
Canton Metal Slates. The Canton Art Metal Co., Canton, O.
Canton Mine Doors and Automatic Mine Switch Throwers. American Mine Door Co., Canton, O.
Canton Oil Filters. Canton Grate Co., Canton, O.
Canton Pitless Automobile Turntables. The Canton Foundry & Machine Co., Canton, O.
Canton Pneumatic Tools. Pittsburgh Pneumatic Co., Canton, O.
Canton Shaking and Dumping Grates. Canton Grate Co., Canton, O.
Canton Sickle Edge Hay Knives. G. A. Swineford Co., Canton, O.
Canton Steel Ceilings. The Canton Art Metal Co., Canton, O.
Canton Valveless Chippers. Pittsburgh Pneumatic Co., Canton, O.
Can't-Roll Plumb Bobs. Dikeman Mfg. Co., Norwalk, Conn.
Cant-Sag Farm Gates. Rowe Manufacturing Co., Galesburg, Ill.
Cantslip Rubber Mats. Cantslip Manufacturing Co., New York.
Cant Slip Spindles. I. A. Hall & Co., Paterson, N. J.
Can't Slip Stove Pipe and Elbow. Hemp & Co., St. Louis, Mo.
Canwood Canisters. Canister Co., Phillipsburg, N. J.
Cantype Stencil Paper. Duplico Mfg. Co., New Brunswick, N. J.
Cape Ann Isinglass. American Glue Co., Boston, Mass.
Cape Cod Copper Compounds. American Marine Paint Co., New York.
Cape Cod Folding Boat Anchors. Wilcox, Crittendon & Co., Inc., Middletown, Conn.
Cape May Hair Pinching Irons. Nicol & Co., Chicago.
Capell Salt. Utah Salduro Co., Salt Lake City, Utah.
Capella (Texaco) Lubricating Oil. The Texas Company, New York.
Capes-Viscose Self-Fixing Bottle Caps. Capes-Viscose, Inc., Dept. H., Delawanna, N. J.
Capital Aluminum Castings. Capital Brass Fdry., Salt Lake City.
Capital Blotting Paper. Jos. Parker & Son Co., New Haven, Conn.
Capital Brooms and Brushes. Indianapolis Brush & Broom Mfg. Co. Indianapolis, Ind.
Capital City Paints and Wood Fillers. Indianapolis Paint & Color Co., Indianapolis, Ind.
Capital Engines. C. H. A. Dissinger & Bro., Wrightsville, Pa.
Capitol Force Pump. Barnes Mfg. Co., Mansfield, O.
Capital Gas & Gasoline Engines. Capital Gas Engine Co., Indianapolis, Ind.
Capital Gas Engines, Tractors, Water Pumps, Road Rollers, Etc. C. H. A. Dissinger & Bro. Co., Wrightsville, Pa.
Capital Ink Stands. Cushman & Denison Mfg. Co., New York.
Capital Internal Grinder. Lansing Stamping & Tool Co., Lansing, Mich.
Capital Packing. Mulconroy Co., Inc., Philadelphia, Pa.
Capital Roofing. Indiana Plaster & Roofing Co., Indianapolis, Ind.
Capital Rotary Veneer Lathe. Capital Machine Company, Indianapolis, Ind.
Capital Settees. Kramer Brothers Foundry Co., Dayton, Ohio.
Capital Shears. D. J. Whelan (Est. of), Troy, N. Y.
Capitol Barrows. The Lansing Company, Lansing, Mich.
Capitol Belting; Hose; Force Cups. Acme Rubber Mfg. Co., Trenton, N. J.
Capitol Boilers. United States Radiator Corp., Detroit, Mich.
Capitol Clippers. Coates Clipper Mfg. Co., Worcester, Mass.
Capitol Cylinder Oil. Standard Oil Co. of Ohio, Cleveland, O.
Capitol Gold Fountain Pens. Aiken-Lambert Co., New York.
Capitol Ironing Machine. Barnett Foundry & Machine Co., Irvington, N. J.
Capitol Lawn Trimmers. Granite State Mowing Machine Co., Hinsdale, N. H.
Capitol Leather Belting. Jewell Belting Co., Hartford, Conn.; Mooney Belting Co., Chicago.
Capitol Lubricating Oils. Standard Oil Co. of N. Y., New York.
Capitol Marine Engines. Fifield Bros. Co., Augusta, Me.
Capitol Packing. Acme Rubber Mfg. Co., Trenton, N. J.
Capitol Packless Radiator Valves; Steam Traps. Capitol Brass Wks., Detroit, Mich.
Capitol Shears. D. J. Whelan (Est. of), Troy, N. Y.
Capitol Steam and Hot Water Boilers. U. S. Radiator Corp., Detroit.
Capitol-Winchester Steam and Hot Water Boilers. U. S. Radiator Corp., Detroit.
Cappell's Mine Fans. Clifford Cappel Fan Co., Jeannette, Pa.
Capstan Packing. Anchor Packing Co., Philadelphia.
Captain Air Compressor Lubricators. Wm. Powell Co., Cincinnati, O.
Captain Barrel Spray Pumps. Deming Co., Salem, Ohio.
Captain Bill Plows. Kingman Plow Co., Peoria, Ill.
Captain Brass Pins. National Pin Co., Derby, Conn.
Capt. Cone's Life Rafts. Thos. Drein & Son Co., Wilmington, Del.
Captain Fyr-Fyter Fire Extinguisher. The Fyre-Fyter Co., Dayton, O.
Captain Lafitte Stubble Diggers. Moline Plow Co., Moline, Ill.
Captive Cap Collapsible Tubes. National Collapsible Tube Co., Providence, R. I.
Captor Plows. South Bend Chilled Plow Co., South Bend, Ind.
Capnal Nails. Weather Proofing Nail Co., Baltimore, Md.
Caput Padlocks. Fraim-Slaymaker Hardware Co., Inc., Lancaster, Pa.
Carabao Hose. Bowers Rubber Works, San Francisco, Cal.
Carara Cement and Wood Fibre Plaster. Southern Gypsum Co., North Holston, Va.
Carbarrow. American Trackbarrow Co., Lowell, Mass.
Carbelastic Iron and Steel Preserving Paints. Kay & Ess Co., Dayton, O.
Carbeno Varnishes, Japans and Enamels. Bennett Varnish Co., Chicago
Car-Best-Us Car Roofing. Johns-Manville, Inc., New York.
Carbic Calcium Carbide Briquettes and Carbic Apparatus. Carbic Mfg. Co., Duluth, Minn.
Carbic Light. Carbic Mfg. Co., Duluth, Minn.
Carbicon Carborundum Paper. Herman Behr & Co., Brooklyn, N. Y.
Carbo-Alumina Emery & Corundum Wheels. Bridgeport Safety Emery Wheel Co., Bridgeport, Conn.
Carbo-Alumina Grinding Wheels. Bridgeport Safety Emery Wheel Co., Bridgeport, Conn.
Carbo Case-Hardening Compound. Rodman Chemical Co., Verona, Pa.
Carbo Paints and Waterproofing Materials. Chatfield Mfg. Co., Carthage, Cincinnati.
Carbo Preserving Paints. The Chatfield Mfg. Co., Carthage, Mo.
Carbo Razors. A. L. Silberstein, New York.
Carbo Steel Decks (for shipping automobiles). Carbo Steel Products Co., Chicago.
Carbo Steel Fence Posts, Poles and Lamp Posts. Carbo Steel Products Co., Chicago.
Carbo Torches, Blowpipes and Gas. Carbo-Hydrogen Co. of America, Pittsburgh, Pa.
Carbodycoating. Acme White Lead & Color Works, Detroit, Mich.
Carbofield Grinding Wheels. The Vitrified Wheel Co., Westfield, Mass.
Carbo-Graph Roofing Paints. Black Diamond Mfg. Co., Cincinnati, O.
Carbolic-ol Wood Preservative. Sherwin-Williams Co., Cleveland, O.
Carbolineum Wood Preservative. Protexol Corporation, New York.
Carbolite Calcium Carbide. American Carbolite Co., Duluth, Minn.
Carbolicide Insecticides. Hockwald Chemical Co., San Francisco.
Carbolite Wheels. American Emery Wheel Works, Providence, R. I.
Carbolineum Wood Preservative. Protexol Corp., New York.
Carbolon Grinding Wheels. Alden Speare's Sons Co., Cambridge, Mass.
Carbon Arc Process Rail Joint Welding; Una Bonds; Carbon Arc Process of Rail Bonding. Rail Welding & Bonding Co., Cleveland, O.
Carbonafide Carbon Bisulfid. Taylor Chemical Co., Penn Yan, N. Y.
Carbondale Valves, Fittings, etc. Carbondale Machine Co., Carbondale, Pa.
Carbonelastic Preserving Paints. Arlington Mfg. Co., Canton, O.
Carbon Foundry Iron. Carbon Furnace Co., Ltd., Mauch Chunk, Pa.
Carbon Graphite Bridge Paint. Chas. R. Long, Jr., Co., Louisville, Ky.
Carbon Cylinder Open and Closed Circuit Batteries. J. H. Bunnell & Co., New York.
Carbon Lead Pencils. American Lead Pencil Co., New York.
Carbon Packing, Rubber Hose Belting. New York Belting & Packing Co., New York.
Carbonelastic Coating Paints. Arlington Mfg. Co., Canton, Ohio.
Car-Bon-Go Carbon Removers. Van Tilburg Oil Co., Minneapolis, Minn.
Carbonic Anhydride Refrigerating and Ice Machines. Kroeschell Bros. Ice Machine Co., Chicago.
Carbonite Explosives. E. I. du Pont de Nemours & Co., Inc., Explosives and Smokeless Powder Depts., Wilmington, Del.
Carbonizing Coating for Iron and Steel. Goheen Corp, Newark, N. J.
Carbonkote Paints. Nubian Paint & Varnish Co., Chicago.
Carbonoid Grinding Wheels. General Grinding Wheel Corp., Philadelphia, Pa.
Carbonizing Coating Paint. Goshen Mfg. Co., Warren, O.
Carbonoid Soot Destroyer. Weldum Products Co., Indianapolis, Ind.
Carbonox Carbon Removers. Northwestern Chemical Co., Marietta, O.
Carbonut Charcoal. Pacific By-Products Co., San Jose, Cal.
Carbora Grinding Wheels. Cortland Grinding Wheel Corp., Chester, Mass.
Carborundum Anti Slip Tile Safe Walkway Surface. American Abrasive Metals Co., New York.
Carborundum Grinding Wheels and Sharpening Stones. Carborundum Co., Niagara Falls, N. Y.
Carbosand. Quigley Furnace Specialties Co., New York.
Carbosolvent Carbon Removers. Beckley-Rawlston Co., Chicago.
Carbosota Liquid Creosote Oil for Preserving Wood. The Barrett Co., New York.
Carboxide Paints. Blocki-Brennan Refining Co., Chicago.
Carbresote Wood Preserver. Campbell Glass & Paint Co., St. Louis, Mo.
Car Brite Metal Polish. F. T. Lord Polish Co., Cambridge, Mass.
Carburet Black and Paints. Wadsworth-Howland Co., Chicago.
Carburet of Iron Stove Polish. Jos. Dixon Crucible Co., Jersey City, N. J.
Carburetor Fire Brick. Union Mining Co., Baltimore, Md.
Cardinal Fire Hose. Mulconroy Co., Inc., Philadelphia, Pa.
Cardinal Garden Hose. Hercules Rubber & Supply Co., San Francisco, Calif.
Cardinal Lawn Mowers. Clarinda Lawn Mower Co., Clarinda, Ia.
Cardinal Oil Cups. Lunkenheimer Co., Cincinnati.
Cardinal Sheet Packing. Manhattan Rubber Mfg. Co., Passaic, N. J.
Cardinal Springs. Barber Mfg. Co., Anderson, Ind.
Card Taps. S. W. Card Mfg. Co., Mansfield, Mass.
Cardinell Vellum Tracing Papers (Vellum, Velparch, Bluvel Extra, Bluvex and Velgren). Cardinell Vellum Mfg. Co., Montclair, N. J.
Cardington Garden Hose Reels. Cardington Cabinet Co., Cardington, Ohio.
Cardoscope One-at-a-Time Card Cases. National Cardoscope Co., San Francisco.
Cardwell Corn Planters. Cardwell Machine Co., Richmond, Va.
Cardwell Draft Gear. Cardwell Mfg. Co., Chicago.; Union Draft Gear Co., Chicago.
Cardwell Rocker Side Bearings. Cardwell Mfg. Co., Chicago.
Carew's Nippers. M. W. Robinson Co., New York.
Carey Ceil-Board; Wall Board; Roofing and Cement. Philip Carey Co., Lockland, Cincinnati, O.
Carey Ezola Steel Bound Felt Mats. Philip Carey Mfg. Co., Lockland, Cincinnati, O.
Carey-Foster Bridges. Leeds & Northrup Co., Philadelphia.
Carey Perfect Corn Huskers. Sproul Matt Co., Sparta, Ill.
Carey Roofing and Cements. Philip Carey Mfg. Co., Lockland, O.
Carib Petroleum Products. Carib Syndicate, New York.
Caribon Rubber Hose. Electric Hose & Rubber Co., Dept. H., Wilmington, Del.
Carigrain Conveyor Belts. The B. F. Goodrich Co., Akron, O.
Carleton Electric Generators. The Carleton Co., Boston, Mass.
Carleton Maple Sugar Molds. G. H. Grimm, Rutland, Vt.

Carleton Socket Wrenches and Gasoline Engine Primers. Carleton Co., Boston.
Carley's Feed Grinding Mills. Carley Bros., Colfax, Wash.
Carlissi Rubber Packing. Manhattan Rubber Mfg. Co., Passaic, N. J.
Carll Wrenches. M. W. Robinson Co., New York.
Carling Blowers. Carling Turbine Blower Co., Worcester, Mass.
Carlisle Rope Tires. Carlisle Tire Corp., Stamford, Conn.
Carlsruhe Metal Cleaning Chemical. J. H. Rhodes & Co., New York.
Carlton-Brand. Ferro Manganese. Leavitt C. W. & Co., New York.
Carlon Wall Plugs. Carlon Sales Co., Oskaloosa, Ia.
Carlson Chemical Evaporators. International Process Co., New York.
Carlton Baths. Crane Co., Chicago.
Carmer Release Rigging. Imperial Appliance Co., Chicago.
Carmichael 8-in-1 Fuse Plug. Carmichael 8-in-1 Fuse Plug Corp., New York.
Carmote Varnishes, Finishes, etc. Carpenter-Morton Co., Boston, Mass.
Carnadine Automobile Oils. Standard Oil Co., San Francisco.
Carnation Brand Carbon Paper and Typewriter Ribbons. Miller-Bryant-Pierce Co., Aurora, Ill.
Carnation-Cream Metal Polish. Beckley-Ralston Co., Chicago.
Carnegie Fire Brick. Stockton Fire Brick Co., San Francisco.
Carnegie Steel Wheels. Carnegie Steel Co., Pittsburgh, Pa.
Carney's Mortar Cement. Carney's Cement Co., Mankato, Minn.
Carolina Steel Ranges and Laundry Stoves. Clascock Stove & Mfg. Co., Greensboro, N. C.
Carolus Bolt Cutters, Nut Splitters & Wire Clippers. Carolus Mfg. Co., Sterling, Ill.
Carpenter's Screw Plates. J. M. Carpenter Tap & Die Co., Pawtucket, R. I.
Carpenter Calorimeters, Gauges, Etc. American Schaeffer and Budenberg Corp., Brooklyn, N. Y.
Carpenter Taps and Dies. J. M. Carpenter Tap & Die Co., Pawtucket, R. I.
Carpenter's Wire Mesh Fence. F. E. Carpenter Co., New York.
Carpo Tar Paint. Du Pont Chemical Works, Wilmington, Del.
Carpolene Wood and Metal Preservative Stain. Du Pont Chemical Wks., Wilmington, Del.
Carrier Air Conditioning and Drying Equipment. Carrier Engineering Corp., Newark, N. J.
Carrier Air Washers and Humidifiers. Buffalo Forge Co., Buffalo, N. Y.
Carrier Power Ensilage Cutters. Silver Mfg. Co., Salem, Ohio.
Carriers' Friend Mail Boxes. Northwestern Mail Box Co., St. Louis.
Carroll-Jamieson Lathes. The Carroll Jamieson Machine Tool Co., Batavia, O.
Carroll Quality Fire Welded Chain. Carroll Chain Co., Columbus, O.
Carroll Quick Acting Drill Press Vise. J. R. Wood Supply Co., Cincinnati, O.
Carroll Solid Weld Power Shovel Chain. The Carroll Chain Co., Columbus, O.
Carrollton Heating Stoves. B. C. Bibb Stove Co., Baltimore, Md.
Carrom Game Boards. Carrom Co., Ludington, Mich.
Carry All Coaster Wagons. Sheboygan Coaster & Wagon Works, Sheboygan, Wis.
Carry All Hand Carts. M. H. Daley, Charles City, Iowa.
Carry-Us-All Riding Galleries. C. W. Parker, Leavenworth, Kans.
Carson Brand Gloves. Carson Glove Co., San Francisco.
Carson, N. B., Flushing Valves. Dececo Co., Boston, Mass.
Carson Packing. A. W. Chesterton Co., Boston.
Carspring Belting, Packing and Hose. New Jersey Car Spring & Rubber Co., Inc., Jersey City, N. J.
Cartaret Cotton Hose. Voorhees Rubber Mfg. Co., Jersey City, N. J.
Carter Cable Chains. Monongahela Iron & Steel Co., Pittsburgh.
Carter Gasoline Strainers. Carter Carburetor Co., St. Louis.
Carter Multiple Jet Carburetors. Carter Carburetor Co., St. Louis, Mo.
Carter Pumps and Water Supply Systems. Ralph B. Carter Company, New York.
Carter Windmills. Enterprise Windmill Co., Sandwich, Ill.
Carter's Faultless Flooring. C. J. Carter Lumber Co, Kansas City, Mo.
Carter's Hot Air Furnaces. Waterloo Register Co., Waterloo, Ia.
Carter's Pressure Filters. Field Force Pump Co., Elmira, N. Y.
Carthage Agitators. A. D. Granger Co., New York.
Carton Stitched Canvas Belting and Belt Dressing. Carton Belting Co., Boston, Mass.
Car-Van Steel Blade Pocket Knives. Canton Cutlery Co., Canton, O.
Carver Tire Pump, The. Newton Mfg. Co., Plainville, Conn.
Carver Electric Drills, Reamers and Grinders. American Electric Tool Co., West Newton, Mass.
Carver's Corn Hooks. Wallingford Mfg. Co., Wallingford, Vt.
Carver's Pruning Shears. Carver Tool Works, Spring Valley, N. Y.
Carwick Detail Paper. H. Reeve Angel & Co., Inc., New York.
Cary Box Straps, Box Fasteners, Metal Joint Fasteners, Soft Annealed Bands and Flexible Steel Mats. Cary Mfg. Co., Brooklyn, N. Y.
Cary Hydro-Carbon Burners. Braun-Knecht-Heimann Co., San Francisco.
Cary Safes, Vaults, Cabinets and Deposit Boxes. Cary Safe Co., Buffalo, N. Y.
Cary Tempering. Cary Spring Wks., New York.
Carzak Black Canvas Belt. Carton Belting Co., Boston, Mass.
Carzack Canvas Stitching Belting. Carton Belting Co., Allston, Mass.
Cas Co Belting, Lacing and Packing. C. A. Schieren Co., New York.
Casaday Plows. South Bend Chilled Plow Co., South Bend, Ind.
Casalloy for Igniter Points. The Chas. A. Strelinger Co., Detroit, Mich.
Cascade Bidets. J. L. Mott Iron Works, Trenton, N. J.
Cascade Boiler Circulators. McNab Co., Bridgeport, Conn.
Cascade Hose. B. F. Goodrich Co., Akron, O.
Cascade Leather Belting. Akron Belting Co., Akron, O.
Cascade Lubricating Oils & Greases. Swan & Finch Co., New York.
Cascade Trench Pumpers. Edwin C. Van Nouhoys, Albany, N. Y.
Cascade Washing Machines. American Laundry Machy. Co., Norwood, Cincinnati.
Cascade Waterproof Belting. Laurence Belting Co., New York.
Casco Leather Belting. Chas. A. Schieren Co., New York.
Casco Packing. Chicago Engineer Supply Co., Chicago.
Casco Ship Water Closets. Thos. Laughlin Co., Portland, Me.
Case Automobile Road Rollers. J. I. Case T. M. Co., Racine, Wis.
Case Boiler Compounds. Globe Boiler Compound Co., Binghamton, N. Y.
Case Crucible Furnaces. Denver Fire Clay Co., Denver, Colo.
Case Easy Northern Cultivators. J. I. Case Plow Wks., Racine, Wis.
Case Easy Southern Cultivators. J. I. Case Plow Wks., Racine, Wis.
Case Furnaces. Denver Fire Clay Co., Denver.
Case-Hardo Case Hardening Compound. The Thos. Buchanan Co., Cincinnati, O.
Case Motor Trucks. J. I. Case Plow Wks., Racine, Wis.
Case Plows, Harrows, Cultivators, Planters, Listers, Etc. J. I. Case Plow Works, Racine, Wis.
Case Power Farming Machinery. J. I. Case Threshing Mach. Co., Racine, Wis.
Case Standard Cranes. The Case Crane & Engr. Co., Columbus, O.
Case Steam Engines. New Britain Machine Co., New Britain, Conn.
Case Threshers, Cultivators, Graders, Traction Engines, Baling Presses and Silo Fillers. J. I. Case Threshing Machine Co., Racine, Wis.
Caseboard for Suit Cases, Trunks, Etc. West Virginia Pulp & Paper Co., New York.
Caseite Case Hardening Compound. Bell & Gossett Co., Chicago.
"Casey Jones" Motor Car Engines, Cars and Equipment. Northwestern Motor Company, Eau Claire, Wis.
Casey Railroad Lanterns. Keystone Lantern Co., Philadelphia, Pa.
Casey Universal Saw. Casey Universal Saw Co., Cincinnati, O.
Casgrain Pile Caps. Vulcan Iron Works, Chicago.
Casgunco Leather. Casco Tanning Co., Portland, Me.
Cash Standard Governors, Regulators, Strainers and Valves. A. W. Cash Company, Decatur, Ill.
Cash's Woven Names. J. & J. Cash, Inc., S. Norwalk, Conn.
Cashman Adjustable Reamers. Cashman Tool Co., Waynesboro, Pa.
Casite Cupels. Denver Fire Clay Co., Denver.
Caskey Hydraulic Valves. (Now Yarway). Yarnall-Waring Co., Philadelphia, Pa.
Caskey Pneumatic Riveters, Presses, Punches. F. F. Slocomb & Co., Wilmington, Del.
Casler Boring Heads and Chucks. Marvin & Casler Co., Canastota, N. Y.
Casler Boring Heads. Production Engineering Corp., Canastota, N. Y.
Casler Offset Boring Head. Production Engineering Corp., Canastota, N. Y.
Cassady Screw Drivers. Cassady-Fairbanks Mfg. Co., Chicago.
Cassapolis Grain Drills. Dowagiac Drill Co., Dowagiac, Mich.
Cassco Engines Driven Tire Pumps. Edward A. Cassidy Co., New York.
Cassene Cleaning Compound. George S. A. Casimus, St. Louis, Mo.
Castell Lead Pencils. A. W. Faber, Newark, N. J.
Castle Liquid Fire Extinguishers, Fire Guards, Chemical Engines, Fire Apparatus, Hose. Jas. M. Castle, Inc., Philadelphia.
Castle Post Caps and Bases, Flanges, Iron Bands, Tank Plates, Sheet and Structural Steel. A. M. Castle & Co., Chicago.
Castolene Lubricants. Castolene, Inc., San Francisco.
Castorine Axle Oil. Baum's Castorine Co., Rome, N. Y.
Castorol Belt Dressing. A. W. Chesterton Co., Boston, Mass.
Cast Steel Cement. Clark Cast Steel Cement Co., Shelton, Conn.
Castle Liquid Hose, Engines and Fire Extinguishers. Jas. M. Castle, Inc., Philadelphia, Pa.
Castle Liberty Fire Extinguishers. Jas. M. Castle, Inc., Philadelphia, Pa.
Castle Nuts. Western Screw Products Co., St. Louis, Mo.
Castle Steel Building Material. A. M. Castle & Co., Chicago.
Castle Sterilizers. Wilmot Castle Co., Rochester, N. Y.
Castonite Piston Rings. Hillard W. Koehler, Coronado, Cal.
Castorol Belt Dressing. A. W. Chesterton Co., Boston, Mass.
Castweld Welding Rods. Steel Sales Corp., Chicago.
Cataract Centrifugal Pumps. Jos. Edwards & Co., New York.
Cataract Fire Hose. Goodall Rubber Co., Philadelphia, Pa.
Cataract Grizzley Stone and Ore Screen. Robins Conveying Belt Co., New York.
Cataract High Pressure Water Hose. Hercules Rubber & Supply Co., San Francisco, Calif.
Cataract Lubricating Oils & Greases. Swan & Finch Co., New York.
Cataract Precision and Bench Lathes. Hardinge Bros., Chicago.
Catchpole Heaters. Catchpole Boiler, Foundry & Machine Co., Geneva, N. Y.
Caterpillar Harvesters. Holt Mfg. Co., Stockton, Cal.
Caterpillar Tractors and Agricultural Machy. Holt Mfg. Co., Stockton, Calif.
Caterpillar Tractors. The Holt Mfg. Co., Peoria, Ill.
Caterpillar Truck Tires. Kelley-Springfield Tire Co., New York.
Catgut Wrapping Paper. McNulty Paper & Twine Corp., Chicago.
Cathedral Electric Signals. Andrew Trust Poehlmann, Baltimore, Md.
Catlin Keyseater. Chattanooga Machinery Co., Chattanooga, Tenn.
Catskill Cement. Catskill Cement Co., Smith's Landing, N. Y.
Catskill Gears and Pinions. W. R. Kerschner, New York.
Cat's Paw Rubber Heels. Foster Rubber Co., Boston.
Cattaraugus Creamery Churns. Oakes & Burger Co., Cattaraugus, N. Y.
Cattaraugus Knives, Shears and Scissors, Razor Strops and Painters' Scrapers. Cattaraugus Cutlery Co., Little Valley, N. Y.
Cavicchi Polishing Machine. Cavicchi Polishing Machine Co., Quincy, Mass.
Cawb Wire Tieing Machine for Boxes. Cranston Wire Binding Machine Co., Portland.
Caxton Adjustable Window Shades and Blackboard Erasers. Caxton School Supply Co., Chicago.
Cayauga Cement. Cayauga Cement Corp., Ithaca, N. Y.
Cayuga Mica Plugs. Auburn Ignition Mfg. Co., Auburn, N. Y.
Ceaco Clothes Pin Machy., Controllers, Regulators and Relay for Electrical Contact. Cable Electric Appliance Co., Boston.
Ceag Cap and Hand Lamps. Concordia Electric Co., Pittsburgh, Pa.
Ceag Electric Miners Safety Lamps. Concordia Elec. Co., Pittsburgh.
Cebaline Anti Acid Paint. Miller & McLean, New York.
Cebe Leather Board. C. B. Hewitt & Bros., Inc., New York.
Cecil Cooking Ranges. B. C. Bibb Stove Co., Baltimore.
Cecil Lavatories. Crane Co., Chicago.
Ceco Building Material. Concrete Engineering Co., Omaha, Nebr.
Ceco Electric Motors, Transformers. National Brake & Electric Co., Milwaukee, Wis.
Ceco Metal Weatherstrips. Concrete Engng. Co., Chicago.
Ceco Reinforcing Bars, Triangle Mesh Reinforcing, Etc. Concrete Engineering Co., Omaha, Nebr.
Ceco Rotary Device. Continental Engineering Corp., Omaha, Nebr.
Ceco Steelforms. Concrete Engineering Co., Omaha, Neb.
Ceco Valves, Pumps and Spray Systems, Evaporators. Chemical Equipment Co., Chicago.
Cedarclean Sweeping Compounds. Pacific Chemical Co., Los Angeles.
Cedar Cream Red Cedar Shingles. Jamison Lumber & Shingle Co., Everett, Wash.
Cedar Duck. The Upson-Walton Co., Cleveland.
Cedar-Fluff Sweeping Compounds. Stand. Chem. Co., Houston, Tex.
Cedar Hollow Lime. Chas. Warner Co., Wilmington, Del.
Cedar Rapids Lineshaft Speed Governors. Cedar Rapids Foundry & Machine Co., Inc., Cedar Rapids, Ia.

Cedar Sweep Cleaners, Compounds, Disinfectants, Liquid Soap and Floor Brushes. Cedar Sweep Co., San Francisco, Cal.
Cedar-Sweep Sweeping Compound. Cedar Sweep Co., San Francisco.
Cedar-Sweep Compounds. Cedar-Sweep Co., Los Angeles.
Cedar-Waxine Sweeping Compounds. Stand. Chem. Co., Houston, Tex.
Cedo-Cide Insecticides. Standard Chemical Co., Houston, Texas.
Cedro Oil Furniture Polish. Standard Chemical Co., Houston, Texas.
Cee-Bee-Dee Disinfectant. The C. B. Dolge Co., Westport, Conn.
Cee Tee Co Pliers. Crescent Tool Co., Jamestown, N. Y.
Cefco Incandescent Lamp Coloring. C. E. Francke & Co., Chicago.
Cefco Pipe and Fittings. Central Foundry Co., New York.
Ceil-Board Lath and Plaster Substitute. Philip Cary Co., Cincinnati, O.
Ceil Board Wall Boards. Philip Carey Mfg. Co., Cincinnati.
Cellinite. Johns-Manville, Incorporated, New York.
Celebrated H. & E. Lifting Jacks. Canadian Brakeshoe Co., Limited, Sherbrooke, Que., Ont.
Celebrated P-V Solid Socket and Pick Combined Cant-Dogs. Peavey Mfg. Co., Bremer, Me.
Celeritas Filter Paper. A. Daigger & Co., Chicago.
Celeron Gears and Radio Panels. Diamond State Fibre Co., Bridgeport, Pa.
Celestron Lacquer, Sheets and Dopes. Chem. Products Co., Boston.
Celfor Drills, Drill Chucks, Drill Sockets and Countersinks. Clark Equipment Co., Buchanan, Mich.
Celfor-Rich Ball Drills. The Buda Co., Chicago.
Celfor Drills and Reamers. Clark Equipment Co., Buchanan. Mich.
Cello Marine Hardware, Army Canteens, Hot Water. A. S. Campbell Co., Boston.
Cell-O-Meter. Cellokay Mfg. Corp., New York.
Cello Oil Hardening Steel. McInnes Steel Co., Ltd., Corry, Pa.
Cello Vanadium Steel. McInnes Steel Co., (Ltd.), Corry, Pa.
Cellulac Insulation. Diamond State Fibre Co., Elsmere, Del.
Cellulak Sheets and Tubes. Irvington Varnish & Insulator Co., Irvington, N. J.
Celluvarno Toilet Seats. The Sillcocks-Miller Co., South Orange, N. J.
Celoron Radio Insulators. Diamond State Fibre Co., Bridgeport, Pa.
Celotex Insulating Lumber; Wall Board. Celotex Co., Chicago.
Celox Primer Wood and Metal for Automobile and Coach Work. Valentine Co., New York.
Celox Surfacer for Automobiles and Coach Work, Wood or Metal. Valentine Co., New York.
Celtic Rubber Hose. Joseph Stokes Rubber Co., Trenton, N. J.; Voohees Rubber Mfg. Co., Jersey City, N. J.
Cem-Bric Covering Compound. Ceresit Waterproofing Corp., Chicago.
Cemco Aluminum Ingots. Cleveland Electro Metals Co., Cleveland, O
Cemco Automobile Ammeters. National Gauge & Equip. Co., La Crosse, Wis.
Cemcoat Waterproofing Materials. L. Sonneborn Sons, New York.
Cemco Bessemer Ferro Silicon. Shawinigan Products Corporation, New York.
Cemco Electrical Specialties. The Conn. Electric Mfg. Co., Bridgeport, Conn.
Cemeline Waterproofing Materials and Brick Paints. Richmond Bros., Cincinnati, O.
Cementco Brick Paints. Wm. Waterall & Co., Camden, N. J.
Cementect Cement Paint and Filter. W. W. Lawrence & Co., Pittsburgh.
Cement-Gun Concrete Coating Appliance. Cement-Gun Co., Allentown Pa.
Cementhide Cement Coating and Waterproofing Materials. Pittsburgh Plate Glass Co., Paint and Varnish Division, Milwaukee, Wis.
Cement-O-Lac Hardener. Van Tilburg Oil Co., Minneapolis, Minn.
Cementkote Paint. Tropical Paint & Oil Co., Cleveland, O.
Cemento N Auto Top Patches. The Perkins-Campbell Co., Cincinnati, O.
Cementseal Enamel. The Acorn Refining Co., Cleveland, O.
Cemite Cement. E. F. Kellie, Springfield, Ill.
Cemtex Wood Preservative. Detroit Graphite Co., Detroit, Mich.
Cenco Beam and Pipe Clamps, Floor Plates and Pipe Hangers. C. Erwin Norman & Co., Chicago.
Censor Rubber Hose. W. H. Salisbury & Co., Chicago.
Centaur Cutlery, Razors, Shears and Scissors and Can Openers. Sperry & Alexander Co., New York.
Centennial Bit Braces. W. A. Ives Mfg. Co., Wallingford, Conn.
Centennial Brass Wheel Daters. W. W. Wilcox Co., Chicago—R. A. Stewart & Co., New York.
Centennial Fanning Mill. Freeman Mfg. Co., Racine, Wis.
Centennial Laundry Stoves. D. R. Sperry & Co., Batavia, Ill.
Centennial Rain Water Cut-offs. Sullivan-Geiger Co., Indianapolis.
Centennial Rat Insecticides. Geo. H. Schafer & Co., Ft. Madison, Ia.
Center Drive Cell Drop Cotton Planters. J. I. Case Plow Works, Racine, Wis.
Centerfilled Mattresses. Empire Mattress Co., Chicago.
Centerfire Spark Plugs. Milwaukee Auto Specialty Co., Milwaukee.
Centex Lenses. Bausch & Lomb Optical Co., Rochester, N. Y.
Central Ash and Garbage Cans, Ash Sieves, Coal Hods. Central Stamping Co., New York.
Central Bath Fittings and Boiler Couplings. Central Brass Mfg. Co., Cleveland.
Central Hose Nozzles. L. R. Nelson, Peoria, Ill.
Central Interior Conduits. Central Tube Co., Pittsburgh, Pa.
Central Oil Stoves and Heaters. Central Oil & Gas Stove Co., Gardner, Mass.
Central-Pelouze Electrically Heated Appliances for Passenger and Dining Cars. Central Electric Co., Chicago.
Central Radiators. Central Radiator Co., Lonsdale, Pa.
Central States Auto Accessories, Electrical, Factory and Office Equipment. Central States Steel Equipment Co., Joliet, Ill.
Central Wrought Pipe. Central Tube Co., Pittsburgh, Pa.
Centrifugal Leather Belting. McLean Mfg. Corp., New York.
Century Armature Tester. Century Electrical Co., Syracuse, N. Y.
Century Asbestos Roofing. Johns-Manville, Incorporated, New York.
Century Barn Door Hangers. Lawrence Bros., Sterling, Ill.
Century Barrel Spray and Whitewash Outfit. Deming Co., Salem, O.
Century Bean Snippers. Gowanda Agricultural Wks., Gowanda, N. Y.
Century Bit Braces. W. A. Ives Mfg. Co., Wallingford, Conn.
Century Brand Steels. The Century Steel Co. of America, New York
Century Carriage Top Dressing. Eugene Arnstein, Chicago.
Century Cement Bag Cleaner and Baler. The Willsea Works, Rochester, N. Y.
Century Chain Hoists. Century Hoist Mfg. Co., Lock Haven, Pa.
Century Core Oils. Swan & Finch Co., New York.
Century Creosoted Floors, Pavements, Timbers, Tiles, Poles and Conduit. Ohio Wood Preserving Co., Pittsburgh, Pa.
Century Creosoted Wood Blocks. Pittsburgh Wood Preserving Co., Pittsburgh, Pa.
Century Creosoting Works. Michigan Wood Preserving Co., Pittsburgh.
Century Cushion Springs. D'Arcy Spring Co., Kalamazoo, Mich.
Century Electrical Testing Instruments. The Century Electrical Co., Syracuse, N. Y.
Century Exhaust Heads. Rollins Supply Co., Chicago.
Century Fans and Motors. Century Electric Co., St. Louis, Mo.
Century Fountain Pens. Century Pen Co., Whitewater, Wis.
Century Insulating Tape. American Elec. Works, Philipsdale, R. I.
Century Leather Belting. Hartley-Rose Belting Co., Pittsburgh, Pa.
Century Metal Posts. Funk Bros. Mfg. Co., Chicago Heights, Ill.
Century Oak Flooring. M. B. Farrin Lumber Co., Cincinnati.
Century Rubber Belting. Jeffrey Mfg. Co., Columbus, O.
Century Rubber Stamps. Century Rubber Stamp Works, New York
Century Sanitary Drinking Fountains, Pressure, Gravity and Ice Cooled. Century Brass Works., Inc., Belleville, Ill.
Century Sheet Packing. Pennsylvania Rubber Co., Jeanette, Pa.
Century Shingles and Slates. Keasbey & Mattison Co., Ambler, Pa.
Century Side Mills. Wrightsville Hardware Co., Wrightsville, Pa.
Century Single Phase Motors. Century Electric Co., St. Louis, Mo.
Century Sink Strainers. Roseland Can & Specialty Co., Rockford, Ill.
Century Smoke Jacks. Keasbey & Mattison Co., Ambler, Pa.
Century Spray Pumps. Deming Co., Salem, O.
Century Steam and Hot Water Heaters. Kewanee Boiler Co., Kewanee, Ill.
Century Steel "T" Post. Funk Bros. Mfg. Co., Chicago Heights, Ill.
Century Street Signs. Automatic Signal & Sign Co., Chicago.
Century Tires. Rubber Insulated Metal Corp., Plainfield, N. J.
Century Toilet Seats. M. P. Berglas Mfg. Co., Brooklyn, N. Y.
Century Typewriter. American Writing Mach. Co., Newark, N. J.
Century Vacuum, Automatic Air Valves. Atwood & Morrill, Salem, Mass.
Century Waterproofing Materials. Century Mfg. Co., Buffalo.; Century Cement Fluid Co., Madisonville, O.
Century Wood Paving Blocks. Pittsburgh Wood Preserving Co., Pittsburgh.
Cepeco Chain. The Chain Products Co., Cleveland, O.
Ceresit Waterproofing Compound. Argyle Railway Supply Co., Chicago; Ceresit Waterproofing Corp., Succeeding Crescent Sales & Mfg. Co., Chicago.
Cerinol Polishing Wax. Cerinol Chemical Mfg. Co., New York.
Certa Crayons. Binney & Smith Co., New York.
Certain-teed Asphalt Shingles, Roofing Products and Paints. Certain-teed Products Corp., St. Louis.
Certificate Metals. White & Bro., Inc., Philadelphia, Pa.
Certified Malleable Castings. American Mall. Castings Ass'n, Cleveland, O.
Certified Seam Roofing. Milwaukee Corrugating Co., Milwaukee, Wis.
Cesco Enameled Steel Ware. Columbia Enameling & Stamping Co., Terre Haute, Ind.
Cesco Goggles. Chicago Eye Shield Co., Chicago.
Cesco Loose Leaf Devices. C. E. Sheppard Co., Long Island City.
Cesco Tube Cleaners. Chicago Engineer Supply Co., Chicago.
Cesta Kerosene Lamp Burners. Edw. Miller & Co., Meriden, Conn.
Ceswic Tool Steel. Central Steel & Wire Co., Chicago.
Cetus (Texaco) Lubricating Oil. The Texas Co., New York.
Ce-ve Railway Varnishes. Chicago Varnish Co., Chicago.
Ceylon Foundry Facings, Plumbago. T. P. Kelly & Co., New York.
Chabot Air Valves. W. D. Garrett & Co., New York.
Chace Oil Cans. Consolidated Fruit Jar Co., New Brunswick, N. J.
Eage Mfg. Co., Wellsburg, W. Va.
Chadbourne Valve and Service Boxes. Builders Iron Foundry, Providence, R. I.
Chadwick Engines. Chadwick Engineering Works, Pottstown, Pa.
Chaffe Drawbar Centering Device. Waugh Draft Gear Co., Chicago.
Chaffee (Dry) Flushing Car Closets. The Dayton Mfg. Co., Dayton, O.
Chaffee Fish Lines. Chaffee Mfg. Co., Willimantic, Conn.
Chaflin Boiler Tube Blowers. C. A. Chaflin Co., Boston, Mass.
Chain Link Fence. Cyclone Fence Co., Waukegan, Ill.
Chain Link Fence and Gates. Wickwire Spencer Steel Corp, New York.
Chain Mop; Mop Handle. Freeman Mfg. Co., San Francisco, Calif.
Chainomatic Balances and Scales. Christian Becker, Inc., New York.
Challenge Adjustable Leg Bands (for Poultry). The Keyes-Davis Co., Battle Creek, Mich.
Challenge Belt. Gustin-Bacon Mfg. Co., Kansas City, Mo.
Challenge Boiler Cleaners. Challenge Tube Cleaner Co., Lowell, Mass.
Challenge Brand Stencils. New York Stencil Works, New York.
Challenge Brand Typewriter Ribbons. Consolidated Ribbon & Carbon Co., Chicago.
Challenge Carving Lathes. Valley City Mach. Wks., Grand Rapids, Mich.
Challenge Coal Screens. Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Challenge Collars and Cuffs. E. I. du Pont de Nemours & Co., Inc., Poughkeepsie Plant, Poughkeesie, N. Y.
Challenge Cultivators. Ohio Cultivator Co., Bellevue, O.
Challenge Engines, Pumps, Tanks, Towers, Ensilage Cutters, Wood Saws, Feed Grinders, Corn Shellers, Etc. Challenge Co., Batavia, Illinois.
Challenge Engines, Pumps. Goulds Mfg. Co., Seneca Falls, N. Y.
Challenge Fuel Level Gages. Boston Auto Gage Co., Boston, Mass.
Challenge Gages. Boston Auto Co., Boston, Mass.
Challenge Galleys and Printers' Furniture. Challenge Machinery Co., Grand Haven, Mich.
Challenge Garden Hose, Etc. Cincinnati Rubber Mfg. Co., Cincinnati.
Challenge Gas Engines, Grinding Mills and Pumping Jacks. Challenge Co., Batavia, Ill.
Challenge Hose. Cincinnati Rubber Mfg. Co., Cincinnati, O.
Challenge Hot Air Furnaces. Barber Mfg. Co., Ashtabula, O.
Challenge Hydro-carbon Burners. Calkins Co., Los Angeles.
Challenge Laundry Marking Pins. The Keyes-Davis Company, Inc., Battle Creek, Mich.
Challenge Lubricators. American Lubricator Co., Detroit.
Challenge Marine Steering Wheels. Thos. Laughlin Co., Portland, Me.
Challenge Measuring Tapes. The Lufkin Rule Co., Saginaw, Mich.
Challenge Ore Feeders. Kennery Van Saun Mfg. & Eng. Corp., New York.
Challenge Porcelain Refrigerators. Challenge Refrigerator Co., Grand Haven, Mich.
Challenge Presses, Eyelets, Flange Rings and Stamp Racks. Edw. L. Sibley Mfg. Co., Bennington, Vt.
Challenge Proof Presses. Challenge Machy. Co., Grand Haven, Mich.
Challenge Rubber Hose. Advance Hose Mfg. Co., Philadelphia, Pa.
Challenge Rubber Sundries. Faultless Rubber Co., Ashland, O.
Challenge Screw Drivers. Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
Challenge Shoe Blacking & Polishes. Jas. S. Mason Co., Phila.
Challenge Shovels. Frick & Lindsay Co., Pittsburgh.

Challenge Steam Cookers. Western Tin & Japan Mfg. Co., Cincinnati.
Challenge Steel Tape. Lufkin Rule Co., Saginaw, Mich.
Challenge Stock Scales. Osgood Scale Co., Binghampton, N. Y.
Challenge Traction Engines. Challenge Tract Co., Minneapolis, Minn
Challenge Window Screens. Union Screen Co., Providence, R. I.
Challenge Yard Hydrants. Kupferle Fdy. Co., St. Louis, Mo.
Challoner Shingle Machine. Challoner Co., Oshkosh, Wis.
Chalmers Automobiles. Chalmers Motor Co., Detroit, Mich.
Chamberlain Pumping Jacks. Chamberlain Mach. Wks., Waterloo, Ia.
Chamberlin Whip Socket Fasteners. Searls Mfg. Co., Newark, N. J.
Chambers Fireless Gas Ranges. Chambers Mfg. Co., Shelbyville, Ind.
Chambers Throttle Valve. The Bradford Corporation, New York.
Chambersburg Hammers and Hydraulic Machinery. Chambersburg Engineering Co., Chambersburg, Pa.
Chamet Bronze Rods. Chase Metal Works, Div. Chase Co.'s, Inc., Waterbury, Conn.
Chamo Chloro Coal Tar Deodorant. Chamberlain-Haber Chemical Co., Cleveland. O.
Chamois Cheese Cloth Wipers. Sanitary Rag Co., Kalamazoo, Mich.
Champion Accumulators. Hector MacRae Co., Baltimore, Md.
Champion Adjustable Wrenches. J. H. Williams & Co., Buffalo, N. Y.
Champion Adze. Am. Axe & Tool Co., Glassport, Pa.
Champion Asphalt Roofing. National Roofing Co., Tonawanda, N. Y.
Champion Babbitt Metal. Paul K. Brown Co., New York.
Champion Baling Presses. Famous Mfg. Co., East Chicago, Ind.
Champion Barrel Covers. M. H. Parks & Co., Winchendon, Mass.
Champion Barrel Heaters. Hynson Tool & Supply Co., St. Louis.
Champion Barrel Heaters. John S. Oram Co., Cleveland.
Champion Barrel Leveling Machines. T. Johnson Co., Chicago.
Champion Belt Dressing. Alonzo K. Lynch, Brooklyn.
Champion Bench Sanders. Valley City Mach. Wks., Grand Rapids, Mich.
Champion Bench Vises. Bonney Forge & Tool Wks., Inc., Allentown, Pa.
Champion Blacksmith's Tools. Angle Benders, Drills, Blast Forges, Power Hammers, Screw Plates, Cream Separators, Tap Wrenches, Etc. Champion Blower & Forge Co., Lancaster, Pa.
Champion Blind Hinges. Wrightsville Hdwe. Co., Wrightsville, Pa.
Champion Blowers, Exhausters, Blast Forges, Drills. Champion Blower & Forge Co., Lancaster, Pa.
Champion Boiler Injectors. James A. Griffiths & Son, Philadelphia, Pa.
Champion Brand Grinders. American Grinder Mfg. Co., Milwaukee, Wis.
Champion Broad Axes. American Axe & Tool Co., Glassport, Pa.
Champion Bush Hooks. Dunn Edge Tool Co., Oakland, Me.
Champion Canvas Belting. Empire Tire & Rub. Corp., Trenton, N. J.
Champion Canvas Wheels. E. Reed Burns, Brooklyn, N. Y.
Champion Car Loaders. H. W. Caldwell & Son Co., Chicago.
Champion Carbonators and Water Lifts. Bishop&Babcock Co., Cleveland.
Champion Cattle Stanchions. Bryan Mfg. Co., Bryan, O.
Champion Chemical Engines. Am. La France Fire Engine Co., Elmira, N. Y.
Champion Class A Carbon Lamps. Consolidated Electric Lamp Co., Danvers, Mass.
Champion Corn Planting Drills. Moline Plow Co., Moline, Ill.
Champion Cranes. Champion Engineering Co., Kenton, O.
Champion Cranes and Hoists. S. G. Milton & Son, Franklin, Pa.
Champion Cream Separators. Blanke Mfg. & Supply Co., St. Louis.
Champion Cultivators. Hench & Dromgold Co., New York, Towers & Sullivan Mfg. Co., Rome, Ga.
Champion Cylinder Reboring Tools. Champion Mfg. Co., Philadelphia.
Champion Delivery Trucks. Champion Motors Co., Inc., Cleveland. O
Champion Dishwashing Machines. Hamilton-Low Co., Jersey City, N. J.
Champion Door Hangers. Richards-Wilcox Mfg. Co., Aurora, Ill.
Champion Door Openers. Standard Lock Co., Brooklyn.
Champion Dough Dividing Machines and Saw Guards. Champion Machinery Co., Joliet, Ill.
Champion Drill Rods. Standard Steel & Wire Company, Chicago.
Champion Dry Floor Mops. Universal Brush Co., Freeport, Ill.
Champion Egg Openers. Taplin Mfg. Co., New Britain, Conn.
Champion Ejectors. Jas. A. Griffith & Son., Philadelphia.
Champion Electric Air Pumps and Water Lifts. Cleveland Faucet Co., Cleveland.
Champion Electric Foundry Riddles. Champion Foundry & Machine Co., Chicago.
Champion Electric Lamps. Consolidated Electric Lamp Co., Danvers, Mass.
Champion Exhaust Heads. Chicago Engineer Supply Co., Chicago.
Champion Electric Sand Riddles. Champion Fdy. & Mach. Co., Chicago.
Champion Engine Lathes. Champion Tool Works Co., Cincinnati, O.
Champion Fanning Mills. J. L. Owens Co., Minneapolis.
Champion Farm Gates. Mason Fence Co., Leesburg, O.
Champion Fasteners, Filters, Stops, Locks. Champion Safety Lock Co., Geneva, O. Edw. L. Sibley Mfg. Co., Bennington, Vt.
Champion Fence Pliers. L. A. Sayre & Son, Newark, N. J.
Champion Fire Extinguishers. S. F. Hayward & Co., New York.
Champion Fishing Rods. Van Doren Mfg. Co., Chicago Heights, Ill.
Champion Floor Grinders. Safety Emery Wheel Co., Springfield, O.
Champion Flour Scoops. The Webster Mfg. Co., Chicago.
Champion Fly Traps. Fred J. Meyers Mfg. Co., Hamilton, O.; Reynolds Wire Co., Dixon, Ill.
Champion Forges, Drills and Screw Plates. Champion Blower & Forge Co., Lancaster. Pa.
Champion Forging Machines. Beaudry & Co., Inc., Boston.
Champion Fuel Level Indicators and Bolt Nut and Rivet Mfrs. Champion Mfg., Co., Chicago.
Champion F. P. Door, Fireproof Shutters and Doors. Champion Fire
Champion Garden Rakes. Cronk & Carrier Mfg. Co., Elmira, N. Y.
Champion Gasoline Blow Torches. Turner Brass Wks., Sycamore, Ill.
Champion Glass Cutters. Fletcher, Terry Co., Forestville, Conn.
Champion Grain Car Loaders. Link-Belt Company, Philadelphia. Indianapolis, Chicago; H. W. Caldwell & Son Co., Chicago. (Now Link-Belt Company.)
Champion Grain Car Loaders. Link-Belt Co., Chicago, Indianapolis, Philadelphia; H. W. Caldwell & Son, Chicago.
Champion Grain Cradle. The J. A. Schwob Co., Moundsville, W. Va.
Champion Grain Drills. Champion Drill Co., Avon, N. Y.
Champion Grinders. Safety Emery Wheel Co., Springfield, O. Proof Door Co., New York.
Champion Hand Hoists, Cranes. S. G. Milton & Son, Franklin, Pa.
Champion Hand Power Washing Machines. Boss Washing Machine Co., Cincinnati.
Champion Handle Switches. Frank W. Morse, Boston.
Champion Hand Tools. Champion Tool Company, Meadville, Pa.
Champion Hay Carriers. J. E. Porter Co., Ottawa, Ill.
Champion Hedge Knives and Saw Sets. Hy. Disston & Sons, Dept H, Philadelphia.
Champion High Speed Steel. Crucible Steel Co. of America, Pittsb'gh.
Champion Hoists. Champion Mfg. Co., Philadelphia.
Champion Holders. Jas. H. Matthews & Co., Inc., Pittsburgh, Pa.
Champion Ice Breakers. Allman Gas Engine & Mach. Co., New York. Dilg Mfg. & Trading Co., New York.
Champion Ice Cream Machines. Allman Gas Eng. & Mach. Co., New York.
Champion Insulating Cloth, Insulating Tape and Paints. Chicago Mica Co., Valparaiso, Ind.
Champion Keds Tennis Shoes. U. S. Rubber Co., New York.
Champion Kerosene Burner. Henderson & Durbin, Lima, O.
Champion Kerosene Lamp Burners. Wheeling Stamping Co., Wheeling, W. Va.
Champion Land and Field Rollers. Thornbaugh Mfg. Co., Bowling Green, O.
Champion Lathes. Champion Tool Works Co., Cincinnati, O.
Champion Laundry Tubs and Water Closet Tanks. Buffalo Wash Tray Works, Buffalo.
Champion Lawn Spray Sprinklers. Thos. Cadwallader, Salem, O.
Champion Leather Belting. Bickford & Francis Belting Co., Buffalo, N. Y.
Champion Leg Bands. Thos. Cadwallader, Salem, O.
Champion Lock Stove Pipe and Elbows. Jackes-Evans Mfg. Co., St. Louis.
Champion Logging Tools. American Logging Tool Co., Evart, Mich.
Champion Lubricators. Lunkenheimer Co., Cincinnati, O.
Champion Lubricating Oils and Grease. A. W. Harris & Co., N. Y. Indian Refg. Co., New York.
Champion Lumbermen's Tools. American Logging Tool Co., Evart, Mich.
Champion Maple Sugar Evaporators. Champion Evaporator Co., Hudson, O.; G. H. Grimm, Rutland, Vt.
Champion Metal Shingles. Eller Mfg. Co., Canton, O.
Champion Metallic Weather Strips. Champion Metal Weather Strip and Parting Bead Co., Boston.
Champion Mortising Machine. Colgan Machinery & Supply Co., Columbus, O.
Champion Mops. Hamblin & Russell, Worcester, Mass.
Champion Motor Trucks. Champion Motors Co., Inc., Fulton, Ill.
Champion New Tungsten Lamps. Consolidated Electric Lamp Co., Danvers, Mass.
Champion Oil Cups. The Lunkenheimer Co., Cincinnati, O.
Champion Oiled Cambric and Oiled Tapes. Chicago Mica Company, Valparaiso, Ind.
Champion Oiling Machinery. Good Roads Machy Co., Inc., Kennett Square, Pa.
Champion Packington. Cancos Mfg. Co., Philadelphia, Pa.
Champion Paper Stock Screens. Norwood Engineering Co., Florence, Mass.
Champion Paint. Briggs Maroney Co., Inc., Everett, Mass.
Champion Paints and Roofing Cements. John Briggs & Co., Boston.
Champion Pinch Bars. Webster Mfg. Co., Tiffin, O.
Champion Pipe Wrenches. Greene, Tweed & Co., New York.
Champion Plow Mfrs. C. Billups Son & Co., Norfolk, Va.
Champion Post Hole Diggers. Empire Plow Co., Cleveland, F. E. Kohler Co., Canton, Ohio, Ohio Cultivator Co., Bellevue, Ohio, Seymour Mfg. Co., Seymour, Ind.
Champion Potato Diggers. Messinger Mfg. Co., Tetamy, Pa.
Champion Potato Sprayers and Insecticide Dusters. Leggett & Bro., Inc., New York.
Champion Power Hack Saw Blades. Boston Saw & Tool Co., Boston.
Champion Power Hammers. Beaudry & Co., Boston, Mass.
Champion Ratchet Wrenches. Syracuse Wrench Co., Syracuse, N. Y.
Champion Rock Crushers. Good Roads Machy. Co., Inc., Kennett Square, Pa.
Champion Rollers. A. Buch's Sons, Elizabethtown, Pa.
Champion Roofing. National Roofing Co., Tonawanda, N. Y.
Champion Root Cutters. Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Champion Rubber Bottles. Tyer Rubber Co., Andover, Mass.
Champion Rubber Diaphragms, Pump Packing. Wolverine Brass Works, Grand Rapids, Mich.
Champion Sand and Gravel Heaters and Dryers. Handlan-Buck Mfg. Co., St. Louis.
Champion Sand Dryers. Handlan-Buck Mfg. Co., St. Louis, Mo.
Champion Saw Gauges. Kilborn & Bishop Co., New Haven, Conn.
Champion Saw Swages. A. E. White Machine Wks., Eau Claire, Wis.
Champion Screw Drivers. Union Hdw. Co., Torrington, Conn.
Champion Self Feeding Drills. Handlan-Buck Mfg. Co., St. Louis.
Champion Sheet Metal Roofing. Braden Mfg. Co., Terre Haute, Ind.
Champion Sheet Packing. Boston Belting Corp., Boston.
Champion Shock Absorber. Champion Products Mfg. Co., Newark, N. J.
Champion Spring Hinges. Coleman Hardware Co., Chicago.
Champion 6 Lever Padlocks. The Miller Lock Co., Philadelphia, Pa.
Champion Spray Nozzles. W. D. Allen Mfg. Co., Chicago.
Champion Stalk Cutters. Kingman Plow Co., Peoria, Ill.
Champion Steam and Hot Water Heaters. Thatcher Furnace Co., N. Y.
Champion Steam Traps. Kieley & Mueller, New York.
Champion Stone Crushing Plants. Good Roads Machy. Co., Kennett Square, Pa.
Champion Storage Batteries. Hector C. McRae, Baltimore.
Champion Stove Linings. Rutland Fire Clay Co., Rutland, Vt.
Champion Stoves. Champion Stove Co., Cleveland.
Champion Stuffing Boxes. Thos. Laughlin Co., Portland, Me.
Champion Swatters. Merrifield Co., Springvale, Me.
Champion Stylo Pens. D. W. Beaumel & Co., New York.
Champion Tailors Pressing Machines. Edw. J. Geyer, Rochester, N. Y.
Champion Tool Holders, Expanding Mandrels, Toolholders Steels, Shop Furniture, Vises, Power Hack Saws, Movable Benches, Emery Wheel Dressers and Cutters, Etc. The Western Tool & Mfg. Co., Springfield, O.
Champion Tool Steel. The Crucible Steel Co. of America, Pitts., Pa.
Champion Traction Engines, Hay Presses. Famous Mfg. Co., East Chicago, Ind.
Champion Truss Hoops. Wabash Truss Hoop Co., Mt. Carmel, Ill.
Champion Varnish. Chicago Mica Co., Valparaiso. Ind.
Champion Vises. Bonney Forge & Tool Works, Allentown, Pa.
Champion Wagon Jacks. Torrey Bros. Co., Central Village, Conn.
Champion Water Drawer. A. B. Farquhar Co., Ltd., York, Pa.
Champion Wheel Barrows. The Bryan Mfg. Co., Bryan, O.
Champion Windmill Regulators. Hunt, Helm, Ferris & Co., Harvard, Ill.
Champion Wire Scoops. Michigan Wire Goods Co., Niles, Mich.
Champion Wood Mortising Machines. Colgan Machinery & Supply Co., Columbus, O.

Champion Wood Sawing Machines. Weaver & Co., New Oxford, Pa.
Champion Woven Wire Fences. Mason Fence Co., Leesburg, O.
Champney Auto Belts. Mitchell & Smith, Framingham, Mass.
Champney Link "V" Fan Belt. Mitchell & Smith, Inc., Framingham, Mass.
Chanarch Steel Flooring. Morton Mfg. Company, Chicago.
Chance Special Linemans Socket Wrench. Chance Company, Centralia, Mo.
Chandler Accordeon Pleater. Chandler Machine Co., Ayer, Mass.
Chandler Automobiles. Chandler Motor Car Co., Cleveland.
Chandler Bench Vises. Barbour-Stockwell Co., Cambridge, Mass.
Chandler's Ice Cutting Machines. C. E. Jennings & Co., Murray, N. Y.
Chandler Pumps. Chandler Pump Co., Cedar Rapids, Ia.
Chandos Baths. Crane Co., Chicago.
Channel Auto Bumpers. United States Spring Co., Los Angeles.
Channel Barn Door Hangers. S. B. Martin, Dalton, O.
Channelene Grease. Monarch Mfg. Co., Ironville and Toledo, O.
Channon Centrifugal Pumps. H. Channon Co., Chicago, Ill.
Chanson Exhaust Car Heaters and Soft Face Hammers. Channon-Hughson Co., Chicago.
Chantrell Locks, Latches, Knobs, Lock-Cylinders, Escutcheons. Chantrell Hdw. & Tool Co., Reading, Pa.
Chan-L-Brick Brick and Tile. Arthur Hardoncourt, Jr., New York.
Chanticleer Bond Paper. Fox River Paper Co. Appleton Wis.
Chapman Armeter; Coil Taping Machine; Armature Winding Machine. P. E. Chapman Electrical Works, St. Louis, Mo.
Chaplin Automatic Lathes. Defiance Machine Works, Defiance, O.
Chapin Cream Dippers. Louis A. Boettiger Co., Leonard, N. Y.
Chapin Electric Lamp Hoods. National Metal Stamping & Mfg. Co., Newark, N. J.
Chapman Adjustable Drum, Armature and Field Coil Winding Machines. P. E. Chapman, St. Louis.
Chapman Automatic Screw Machines. Chapman Machine Corp., Terryville, Conn.
Chapman Ball Bearings. Transmission Ball Bearing Co., Inc., Buffalo, N. Y.
Chapman Cake Molds, Egg Beaters, Cream Dippers and Measuring Cups. Chapman Co., Geneva, N. Y.
Chapman Common Sense Dehydrators. F. C. Chapman Co., Modesto, Cal.
Chapman Cotton Sheetings. B. B. & R. Knight, Inc., Providence, R. I.
Chapman Electric Neutralizer. United Printing Machinery Co., Boston, Mass.
Chapman Electric Railway Signal Systems. Charles N. Wood Co. Boston, Mass.
Chapman Engines, Forges, Grinders. Chapman Engine Co., Marcellus, Mich.
Chapman Flush Plugs. Bryant Electric Co., Bridgeport, Conn.
Chapman Gas Engines and Sickle Grinders. H. L. Chapman, Marcellus, Mich.
Chapman Gas Producers. Chapman Engineering Co., Mt. Vernon, O.
Chapman Steam Traps. Watson & McDaniel Co., Philadelphia, Pa.
Chapman Type Bearing for Power Transmission Purpose, Ball Shaft Hanger Bearings. Transmission Ball Bearing Co., Buffalo, N. Y.
Chapman Lightning Arresters. Minnesota Electric Co., Minneapolis, Minn.
Chapman Valves and Indicator Posts. Chapman Valve Mfg. Co., Indian Orchard, Mass.
Chapmans Pumps. American Well Works, Aurora, Ill.
Chap-Nut Self-Locking Nuts. The Chapman Self-Locking Nut Co., Baltimore, Md.
Charcoal Iron Boiler Tubes. Parkesburg Iron Co., Parkesburg, Pa
Chard Lathes. Chard Lathe Co., New Castle, Ind.
Chariot Rubber Hose. Republic Rubber Co., Youngstown, O.
Chariot Steam Hose. Republic Rubber Co., Youngstown, O.
Charles Gate Device. C. F. Smith Mfg. Co., De Kalb, Ill.
Chas. Wilder Co. Thermometers. Wilder-Pike Thermometer Co., Dept. H, Troy, N. Y.
Charlotte Star Leather Belting. Charlotte Leather Belting Co., Charlotte, N. C.
Charlton Velvet Lamp Black. Bihn & Wolff Co., Philadelphia, Pa.
Charm Lead Pencil. American Lead Pencil Co., New York.
Charmer Lawn Mowers. Chadborn & Coldwell Mfg. Co., Newburgh, N. Y.
Charmer Steam Heaters. Freed Heater Co., Collegeville, Pa.
Charpy Impact Testing Machines. Sauveur & Boylston, Cambridge, Mass.
Charpy Testing Machines. Herman A. Holz, New York.
Charter Engines. Charter Gas Engine Co., Sterling, Ill.
Charter Gasoline Hoists and Portable Engines on Wheels. Charter Gas Engine Co., Sterling, Ill.
Charter Lubricating Oils. True's Oil Co., Spokane, Wash.
Charter Oak Belt Dressing and Belting. N. Palmer & Co., Bridgeport, Conn.
Charter Oak Farm Wagons. Joel Turney & Co., Fairfield, Ia.
Charter Oak Fuse. E. I. du Pont de Nemours & Co., Inc., Explosives and Smokeless Powder Depts., Wilmington, Del.
Charter Oak Horse Brushes. Stand. Brush Co., New Hartford, Conn.
Charter Oak Leather Belting. N. Palmer & Co., Bridgeport, Conn
Charter Oak Safety Fuse. E. I. du Pont de Nemours & Co., Inc., Explosives and Smokeless Powder Depts., Wilmington, Del.
Charter Oak Stoves, Ranges and Furnaces. Charter Oak Stove & Range Co., St. Louis, Mo.
Charter Oak Wagons. Joel Turney & Co., Fairfield, Ia.
Charter Portable Engines on Wheels. Charter Gas Engine Co., Sterling, Ill.
Charters Regulators. Charters Mfg. Co., Santa Cruz, Calif.
Chase Belt Fasteners. Strong Machy. & Supply Co., New York.
Chase Brass, Bronze, Rod, Wire Sheets and Tubing. Chase Metal Works and Chase Rolling Mills Co., Div. Chase Co.'s, Inc., Waterbury, Conn.
Chase Dreadnaut Motor Topping; Goat Brand Car Plush; Leatherwove; Velmo; Plush Renovator. L. C. Chase & Co., Boston, Mass.
Chase Elevating and Transferring Trucks. The Chase Foundry & Mfg. Co., Columbus, O.
Chase Goat Brand Plush Renovator, Car and Furniture Plushes. L. C Chase & Co., Boston, Mass.
Chase Hinge Belt Fasteners. Strong Mach'y & Sup. Co., New York.
Chase Leather Wall Coverings and Velvets. L. C. Chase & Co., Boston.
Chase Leatherwove. L. C. Chase & Co., Boston, Mass.
Chase Motor Trucks. Chase Motor Truck Co., Syracuse, N. Y.
Chase Nipple Couplings. Condit Electrical Mfg. Co., Boston.
Chase Paint. Sanford Mills, Sanford, Me.
Chase Tower Wagons. Chase Motor Truck Co., Syracuse, N. Y.
Chase Twinlift Elevating Trucks. Chase Foundry & Mfg. Co., Columbus, O.
Chase's Grooving Machines, Thumbhole Cutting Machines. Chase Turbine Mfg. Co., Orange, Mass.
Chasse Mouse Traps. Shann Mfg. Co., Middletown, N. Y.
Chateaugay Pig Iron. Northern Iron Co., Plattsburgh, N. Y.
Chatelier Pyrometers. Wilson-Maculen Co., New York.
Chatham Lavatories. Crane Co., Chicago, Ill.
Chatillon Cutlery. John Chatillon & Sons, New York.
Chattanooga Armature Coils. Chattanooga Armature Works, Chattanooga, Tenn.
Chattanooga Cane Mills. International Harvester Company of America, Inc., Chicago.
Chattanooga Concrete and Wooden Barrows. Chattanooga Wheelbarrow Co., Chattanooga, Tenn.
Chattanooga Disc Harrows. Ohio Rake Co., Dayton, O.
Chattanooga Pipe Bends and Coils, Clean-Outs, Etc. Casey-Hedges Co., Chattanooga, Tenn.
Chattanooga Plows, Cane Mills. International Harvester Co., Chicago.
Chatterton Insulating Compounds. McGill Mfg. Co., Valparaiso, Ind.
Chattanooga Wagons. Chattanooga Wagon Co., Chattanooga, Tenn.
Chatterton Compound. Robertson Chemical Co., Cleveland, O.
Chaumont White Lime. Adams & Duford Co., Chaumont, N. Y.
Chautauqua Eaves Trough Hangers. F. E. Albro, Mayville, N. Y.
Check Mate Crayons. New Jersey Crayon Co., Paterson, N. J.
Checklock Grease Cups. The Lunkenheimer Co., Cincinnati, O.
Cheerful Gas Heaters. Adams Bros. Mfg. Co., Inc., Pittsburgh, Pa.
Cheerful Home Hot Air Furnaces. Hood Furnace & Supply Co., Corning, N. Y.
Cheerful Sunshine Steel Ranges. Reading Stove Works, Reading, Pa.
Chek Cleaning Compounds. Kendall Products Corp., New York.
Chelsea Clocks. Chelsea Clock Co., Boston, Mass.
Chelsea Elevators and Dumbwaiters. Chelsea Elevator Co., New York.
Chelsea Inkstands and Wells. Cushman & Denison Mfg. Co., New Yk.
Chelsea Lavatories. Crane Co., Chicago, Ill.
Chelsea Leather Belting. Ulmer Leather Co., Norwich, Conn.
Chelsea Receiving Condensers. Chelsea Radio Co., New York.
Chelten Shallow Push Switches. Chelten Electric Co., Philadelphia.
Chemcraft Chemical Outfit Toys. Porter Chem. Co., Hagerstown, Md.
Chemetal Acid Metal Pumps. Nassau Valve & Pump Co., Rockville Center, Long Island, N. Y.
Chemetal Acid-Resisting Castings, Pumps Valves, Etc. Nassau Valve & Pump Corp., Long Island City, N. Y.
Chenango Camp Trailer. Chenanco Equipment Mfg. Co., Inc., Norwich N. Y
Cheney Anvil and Vise. Fulton Iron Works, Detroit.
Cheney Combined Anvil and Vises. Fulton Iron Works, Detroit, Mich.
Cheney Nail Hammers. Henry Cheney Hammer Co., Little Falls, N. Y.
Cheney Talking Machines. Cheney Talking Machine Co., New York.
Cherokee Cement and Wood Fibre Plaster. Southern Gypsum Co., North Holston, Va.
Cherokee Clay. R. T. Vanderbilt Co., New York.
Cherokee Marble. Georgia Marble Co., Tate, Ga.
Cherokee Red Stitched Canvas Belting. Rosendale- Reddaway Belting and Hose Co., Newark, N. J.
Cherokee Wall Plaster. Southern Gypsum Co., North Holston, Va.
Chesapeake Belting. The Chesapeake Belting Co., Baltimore, Md.
Chesapeake Cranes, Trolleys, Etc. Chesapeake Iron Works, Baltimore, Md.
Cheshire Lime. Palmer Lime & Cement Co., New York.
Chesley Fireproof Doors. A. C. Chesley Co., New York.
Chester Petroleum Products. Tide Water Oil Co., New York.
Chester Steel Castings. Chester Steel Castings Co., Philadelphia, Pa.
Chesterman Measuring Tapes. Wiebusch & Hilger, New York.
Chesterton Brand Flax Packing. A. W. Chesterton Co., Boston, Mass.
Chesterton Gauge Glass Cutters. A. W. Chesterton Co., Boston, Mass.
Chesterman's Steel and Metallic Tapes. James Chesterman & Co., Ltd., Sheffield, England. Wiebusch & Hilger, Ltd., American Agents, New York.
Chesterton Combination Flue Cleaners, Gauge Glass Cutters, Combination Packing. Advance Packing & Supply Co., Chicago.
Chesterton's Scraper and Brush. A. W. Chesterton Co., Boston, Mass.
Chevrolet Automobiles and Trucks. Chevrolet Motor Co., Flint, Mich.
Cheyenne Goggles and Eye Protectors. Chicago Eye Shield Co., Chgo.
Chibeco Valve Leathers and Flat Plungers, Halters and Hame Straps. Chicago Belting Co., Chicago.
Chic Shoe Blacking and Polishes. Whittemore Bros. Corp., Cambridge, Mass.
Chica Paste. Ermecke & Salmsten Co., Chicago.
Chicago AA Cement. Chicago Portland Cement Co., Chicago.
Chicago Adjustable Window Shade. Caxton School Supply Co., Chgo.
Chicago American Made Drawing Instruments. The C. F. Pease Company, Chicago.
Chicago Auto Polishing Machine. Chicago Flexible Shaft Co., Chicago.
Chicago Belt Fasteners and Automobile Jacks. Wm. E. Pratt Mfg. Co., Chicago.
Chicago Boiler Flue and Tube Cleaners. B. K. Elliott Co., Pitts., Pa.
Chicago Brake Beam. Chicago Malleable Castings Co., Chicago.
Chicago Car Couplers. National Malleable Castings Co., Cleveland.
Chicago Carbon Removers. Chicago Automobile Sup. House, Chgo.
Chicago Clothes Dryers. Chicago Dryer Co., Chicago.
Chicago Coffee Roasters. Dunbar & Co., Chicago.
Chicago Concrete Burial Vaults. Chicago Cement Burial Vault & Casket Co., Chicago.
Chicago Cork Lined Faucets. John Sommer Faucet Co., Newark, N.J.
Chicago Cornice Brakes. Dreis & Krump Mfg. Co., Chicago.
Chicago Cotton Rope. Anniston Cordage Co., Anniston, Ala.
Chicago Couplers. National Malleable Castings Co., Cleveland, O.
Chicago Derails; Crossing and Block Signals. Railroad Supply Co., Chicago.
Chicago Door Springs and Spring Hinges. Chicago Spring Butt Co., Chicago.
Chicago Drawing Instruments. C. F. Pease Co., Chicago.
Chicago Dusters. Weil Ransom Co., Chicago.
Chicago Electric Flag. Chicago Railway Signal & Supply Co., Chicago.
Chicago Emery and Corundum Wheels; Polishing Wheels. Chicago Wheel & Mfg. Co., Chicago.
Chicago Engine Centering Jacks. McMaster Carr Supply Co., Chgo.
Chicago Engine Jacks. McMaster-Carr Supply Co., Chicago.
Chicago Expansion Anchors, Bolts, Bridle Rings, Conduit Hangers, Nuts and Pipe Hooks; Hammer Drills and Toggle Bolts for use in fastening to masonry. Chicago Expansion Bolt Co., Chicago.
Chicago Flue Cleaner. Seehausen, Wehrs & Co., Chicago.
Chicago Francis Clothes Dryers. Chicago Dryer Co., Chicago.
Chicago Fuse Plug. Chicago Fuse Mfg. Co., Chicago.
Chicago Gate Latches. Duffy Mfg. Co., Chicago.
Chicago Gears and Pinions. Chicago Rawhide Mfg. Co., Chicago.
Chicago General Purpose Machine. Chicago Flexible Shaft Co., Chicago.
Chicago Glass Desk Pad. Chicago Mirror & Art Glass Co., Chicago.
Chicago Goggles, Eye Protectors, Respirators. Chicago Eye Shield Co., Chicago.

Chicago Ground Connection Clamps. S. R. Fralick & Co., Chicago.
Chicago Hot Air Clothes Dryers. Domestic Laundry Equipment Corp., New York.
Chicago Hawley Down Draft Furnace. Chicago Down Draft Furnace Co., Chicago.
Chicago Hose Reels. W. D. Allen Mfg. Co., Chicago.
Chicago Hose Valves. H. H. Sherman Mfg. Co., Battle Creek, Mich.
Chicago Impression Books. Shea, Smith & Co., Chicago.
Chicago Injectors, Lubricators and Oil and Grease Cups. Ohio Injector Co., Wadsworth, O.
Chicago Knowles Steam Pumps. Furness Bros. Co., Chicago.
Chicago Laundry Clothes Dryers. Chicago Dryer Co., Chicago.
Chicago Leather Belt Cement. Chicago Rawhide Mfg. Co., Chicago.
Chicago Leather Belting. Fensholt & Fichner, Chicago.
Chicago Linemen's Tools. Mathias Klein & Sons, Chicago.
Chicago Lubricators, Flange Oilers, Automatic Drifting Valves, Injectors and Asphaltum Flange Oil. The Ohio Injector Co., Chicago
Chicago Note Book Holders. Galesburg Writing Machine Co., Galesburg, Ill.
Chicago Perforating Machines. Cummins Perforator Co., Chicago.
Chicago Pneumatic Air Compressors. Chicago Pneumatic Tool Co., New York.
Chicago Portable Watchman's Clocks. Chicago Watchman's Clock Works, Chicago.
Chicago Rapid Clothes Dryers. Chicago Dryer Co., Chicago.
Chicago Quick Opening Hot Water Radiator Valve. Scott Valve Mfg. Co., Detroit, Mich.
Chicago Rail Benders. Richardson & Tallman, Shelbyville, Ill.
Chicago Rail Joint Expanders and Bonding Drills. Chicago Railway Signal & Supply Co., Chicago.
Chicago Rawhide Belting, Lace Leather, Cut Lacing, Rope, Pinions and Gears, Trunk Handles and Blanks. Chicago Rawhide Mfg Co., Chicago.
Chicago Rubber Hose. Mechanical Rubber Co., Cleveland, O., Empire Tire and Rubber Corp., Trenton, N. J.
Chicago Saw Gumming Wheels. Chicago Wheel & Mfg. Co., Chicago
Chicago Scales. Mason, Davis & Co., Chicago.
Chicago Seeders and Sowers. Cyclone Seeder Co., Urbana, Ind.
Chicago Spring Hinges. Chicago Spring Hinge Co., Chicago.
Chicago Steel Bending Brake. Dreis & Krump Mfg. Co., Chicago.
Chicago Steel Posts. Madden Co., Chicago.
Chicago Steel Tapes; Leveling Rods; Stadia Rods. Chicago Steel Tape Co., Chicago.
Chicago Stevedore Trucks. The Lansing Company, Lansing, Mich. Nutting Truck Co., Fairbault, Minn.
Chicago Tie Plates. Rail Joint Co., New York.
Chicago Time Recorders. International Time Recording Co. of N. Y., Endicott, N. Y.
Chicago Truck and Tractor Radiator Fender, Hooks and Gas Tanks. Chicago Mfg. Co., Chicago.
Chicago Typewriters. Galesburg Writing Machine Co., Galesburg, Ill.
Chicago Unions. Crane Company, Chicago.
Chicago Universal Pneumatic Hose Couplings. Chicago Pneumatic Tool Co., New York.
Chicago Valves. Stephens Roe Mfg. Co., Detroit.
Chicago Wall Ties. Chicago Builders' Specialties Co., Chicago.
Chicago Wire Rope Clips. Chicago Wire Rope Preserver Co., Chgo.
Chicago Wire Rope Sockets. Chicago Steel Foundry Co., Chicago.
Chicbrush Brooms and Brushes. Chicago Brush Mfg. Co., Chicago.
Chickasaw Brand Hardwood Flooring. Memphis Hardwood Flooring Co., Memphis, Tenn.
Chickasaw Hollow Blast Grate Bars. Chickasaw Mach. & Fdry. Co., Memphis, Tenn.
Chickasaw Oak Flooring. Memphis Hardwood Flooring Co., Memphis, Tenn.
Chicken Clover Cutters & Feed Cutters. Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Chicopee Agricultural Machines. Bateman & Companies, Inc., New York.
Chicora Flax Packing. Gen. Asbestos & Rubber Co., Charleston, S. C.
Chicot Hammer Handles. American Handle Co., Jonesboro, Ark.
Chief Barn Cupolas and Metal Bldg. Corners. Shrauger & Johnson, Atlantic, Ia.
Chief Brand Maple Flooring. Kerry & Hanson Flooring Co., Grayling, Mich.
Chief Galvanized Steel Cupolas, Ventilators, Windows and Farm Equipment. Shranger & Johnson, Atlantic, Ia.
Chief Grass Catchers. F. & N. Lawn Mower Co., Richmond, Ind.
Chief Metal Building Fixtures. Shrauger & Johnson. Atlantic, Ia.
Chief Sentry Gasoline Pump. S. F. Bowser & Co., Fort Wayne, Ind
Chief Stump Pullers. C. D. Edwards, Albert Lea, Minn.
Chief Sunshine Windows. Shrauger & Johnson, Atlantic, Ia.
Chief's Own Metallic Packing. Chicago Boiler Co., Chicago.
Chief Wall Plaster. Romen Nose Gyp. Co., Bickford, Okla.
Chieftain Belting. Smyth-Despard Co., Utica, N. Y.
Chieftain Fire Hose. B. F. Goodrich Co., Akron, O.
Chieftain Metal Shingles. Berger Mfg. Co., Canton, O.
Chi-Fau-Co. Cocks and Bibbs, Faucets and Drinking Fountains. Chicago Faucet Co., Chicago.
Chihaleco Aprons, Leggings, Mittens, Glove, Hand Leather, Leather Specialties. Chicago Hand Leather Co., Chicago.
Childland Lead Pencils. American Lead Pencil Co., New York.
Childs Fire Apparatus. Foamite-Childs Corp, Utica, N. Y.
Childs Fire Extinguishers, Engines and Motor Apparatus. Foamite-Childs Corp., Utica, N. Y.
Chillingworth Gear Cases. Chillingworth Mfg. Co., Jersey City, N. J.
Chilly King Milk Coolers. Chas. Skidd Mfg. Co., Kenosha, Wis.
Chi-Locks Automobile and Padlocks. Chicago Cabinet Lock Co., Chgo.
Chilson Stoves. Chilson Furnace Co., Mansfield, Mass.
China Index Handle Basin Cocks. McRae & Roberts Co., Detroit.
China Lac Floor Finish. Patterson-Sargent Co., Cleveland.
Chinaline Enamels. U. S. Gutta Percha Paint Co., Providence, R. I
China Maker Crayons. Standard Crayon Mfg. Co., Danvers, Mass.
Chi-Namel Cement Floor Coatings and Varnish. Ohio Varnish Co., Cleveland.
Chi-Namel Varnishes. Ohio Varnish Co., Cleveland, O.
Chinch Bug Barrier. Barrett Co., New York.
Chinesco Tiles. American Encaustic Tiling Co., Ltd., New York.
Chinese Paint Brushes. Rennous, Kleinle & Co., Baltimore.
Chinook Heaters. Bayley Mfg. Co., Milwaukee, Wis.
Chinook Primes Shingles. Chinook Lum. & Shingle Co., Seattle, Wash
Chipman Disinfectant. Chipman Chemical Engineering Co., Inc., New York.
Chippendale Quality Table Glassware. Jefferson Glass Co., Follansbee, W. Va.
Chirry Miners' Safety Lamps. Hero Mfg. Co., Philadelphia.
Chisfin Anti-Corrosive and Anti-Fouling Paints. Atlantic Drier and Varnish Co., Philadelphia, Pa.
Chi-vo Flat Finish Varnish. Chicago Varnish Works, Chicago; E. I. du Pont de Nemours & Co., Inc., Paint & Varnish Dept., Phila.
Chloride Accumulator. Electric Storage Battery Co., Philadelphia, Pa.
Chloride Storage Batteries. Electric Storage Battery Co., Phila.
Chlorazene Antiseptic. Abbott Laboratories, Chicago.
Chlorofectant Disinfectants. Amer. Oil & Disinfectant Co., New York.
Chlorozone Disinfectant. Great Western Oil Co., Cleveland, O.
Choice Extra Leather Belting. O'Meara Belting Co., Omaha, Neb.
Choice Leather Belting. O'Meara Belting Co., Omaha, Neb.
Choice Pencils. United States Pencil Company, Philadelphia, Pa.
Choice XX Extra Cast Steel. Hobson, Houghton & Co., Ltd., N. Y.
Chollar's Feed Water Purifiers. Stacey Mfg. Co., Cincinnati.
Chore Boy Gasoline Engines. Associated Mfrs. Co., Waterloo, Ia.
Chouaguen Shade Cloth. Oswego Shade Cloth Co., Oswego, N. Y.
Christ Coal Jigs. Tamaqua Mfg. Co., Tamaqua, Pa.
Christen Blacksmiths' Bellows. J. C. Christen Mfg. Co., St. Louis.
Christensen Electric Car Brakes. Allis-Chalmers Mfg. Co., Milwaukee.
Christiana Rubber Hose. Elec. Hose & Rubber Co., Wilmington, Del.
Christiana Suction Hose, Garden Hose. Electric Hose & Rubber Co., Wilmington, Del.
Christie Dryers. L. R. Christie Co., Pittsburgh, Pa.
Christy Box Car Loaders. Christy Box Car Loader Co., Des Moines, Iowa.
Christy Kitchen Knives and Egg and Cream Beaters. Christ Knife Co., Fremont, O.
Chrobaltic High Speed Cutters. Chrobaltic Tool Co., Chicago.
Chromal Resistor Material. Hoskins Mfg. Co., Detroit, Mich.
Chromalox Flectric Heating Units. Edwin L. Wiegand Company, Pittsburgh, Pa.
Chrome Die Steel, Tool Steel. Atlas Steel Corp., Dunkirk, N. Y.
Chronometer Governor Valves. Union Water Meter Co., Worcester, Mass.
Chrysoleum Lubricating Oil. Tide Water Oil Co., New York.
Chum Heating Stoves. B. C. Bibb Stove Co., Baltimore.
Church Pneumatic Water Supply System. Stephen B. Church, Seymour, Conn.
Church Wire Stretchers and Woven Fences. Michigan Wire Fence Co., Adrian, Mich.
Chuse Engines. Chuse Engine & Mfg. Co., Mattoon, Ill.
Chuse Non-Releasing Corliss Engines. Chuse Engine & Mfg. Co., Chicago. B. B. Shaw, Mattoon, Ill.
Cibulas Sash Operators. General Sheet Metal Works, Bridgeport, Conn.
Cicero Bronze Ingot Metal. Magnus Co., Inc., Chicago.
Cico Liquid Paste. Carter's Ink Co., Boston, Mass.
Cicoa Charcoal Iron Castings. Charcoal Iron Co. of Amer., Detroit.
Cidol Roach Powder. West Disinfecting Co., New York.
Cig-Ash-Ador Cuspidors and Smokers' Stand Ash Trays. Cig-Ash-Ador Co., San Francisco.
Cimet Resistance Wire. Driver-Harris Co., Harrison, N. J.
Cinch Anchors and Expansion Bolts. National Lead Co., New York.
Cinch Fence Stays. Worth Wire Works, Kokomo, Ind.
Cinch Fruit Jar Wrenches. Cassady Fairbank Mfg. Co., Chicago.
Cinch Metal Polish. American Motor Equipment Co., Boston.
Cincinnati-Acme Turret Machinery. Acme Machine Tool Co., Cincinnati, O.
Cincinnati Automatic Milling Machines. The Cincinnati Milling Machine Co., Cincinnati, O.
Cincinnati Box Straps. W. F. Robertson Steel & Iron Co., Cincinnati.
Cincinnati Cushions. Cincinnati Cushion Co., Cincinnati O.
Cincinnati Drilling Machine Vises. Cincinnati-Bickford Tool Co., Cincinnati.
Cincinnati Electric Drills and Grinders. The Cincinnati Electrical Tool Co., Cincinnati, O.
Cincinnati Five Spindle Automatic Screw Machine. The Cincinnati Automatic Machine Co., Cincinnati, O.
Cincinnati Frogs, Switches and Crossings. Cincinnati Frog & Switch Co., Cincinnati.
Cincinnati Gears. The Cincinnati Gear Co., Cincinnati, O.
Cincinnati Grinding Machines. The Cincinnati Grinder Co., Cincinnati, O.
Cincinnati Ice Tongs. E. G. Schutte & Co., Cincinnati, O.
Cincinnati Improved Wire Rope Clips. Cincinnati Ry. Supply Co., Cincinnati, O.
Cincinnati Lathes. Cincinnati Lathe & Tool Co., Cincinnati, O.
Cincinnati Metal Machines. Cincinnati Planer Co., Cincinnati, O.
Cincinnati Oven Illuminators. Dutchess Tool Co., Beacon, N. Y.
Cincinnati Planers. Cincinnati Planer Co., Cincinnati.
Cincinnati Portable Drilling Machines. Cincinnati Electrical Tool Co., Cincinnati.
Cincinnati Pulley Turning Lathes. Cincinnati Pulley Mach'y Co., Cincinnati, O.
Cincinnati Railroad Track Equipment. The Cincinnati Frog & Switch Co., Cincinnati, O.
Cincinnati Rapid Traverse Planers, "Rapid Production" Boring and Turning Mills. The Cincinnati Planer Co., Cincinnati, O.
Cincinnati Rivet Cutting Gun; Slag Gun. Rivet Cutting Gun Co., Cincinnati, O.
Cincinnati Shapers. The Cincinnati Shaper Co., Cincinnati, O.
Cincinnati Silo. The Hauser-Stander Tank Co., Cincinnati, O.
Cincinnati Storage Batteries. The Cincinnati Storage Battery Co., Cincinnati, O.
Cincinnati Trusco Step Ladders. Rich Pump Co., Cincinnati.
Cincinnati Wire Rope Clips. C. M. Mockbee, Cincinnati.
Cincinnatus Concrete Mixers. Ideal Concrete Mach. Co., Cincinnati, O.
Cincinnatus Electric Lamp Posts. Casey-Hedges Co., Chattanooga, Tenn.
Cincy Hand Power Washing Machines. Boss Washing Machine Co., Cincinnati.
Cinephor Projection Lenses. Bausch & Lomb Optical Co., Rochester, N. Y.
Cinex Moving Picture Machines. Cinema Machine Co., Los Angeles.
Cin-Man-Co. Metal Frame Window Screens. Cincinnati Mfg. Co., Cincinnati.
Cinmanco Rewireable Metal Frame Fly Screens. Cincinnati Fly Screen Co., Cincinnati, O.
Cino Gas Water Heaters. The Specialty Device Co., Cincinnati, O.
Cinrubco Belting. Cincinnati Rubber Mfg. Co., Cincinnati.
Circle A Cork Brick. Armstrong Cork & Insulation Co., Pittsburgh, Pa.
Circle A Unit Buildings. Alexander Lumber Co., Champaign, Ill.
Circle Belting. Gutta Percha & Rubber Mfg. Co., New York.
Circle Brand Oils. E. C. Mullen Co., Chicago.
Circle Paper Clip. L. F. Grammes & Sons, Allentown, Pa.
Circle T Snap Swithes and Armored Cables. Trumbull Elec. Mfg Co., Plainville, Conn.
Circo Lavatories. Crane Co., Chicago.

Circular Loom Non-Metallic Flexible Conduits. American Circular Loom Co., New York.
Citico Pig Iron. Citico Furnace Co., Chattanooga, Tenn.
Citrus Washing Powders. Citrus Soap Co., San Diego, Calif.
City Gem Mail Boxes. Metal Forming Corp., Elkhart, Ind.
City Parlor Door Hangers. Lawrence Bros., Sterling, Ill.
Civil Service Pencils. Eagle Pencil Company, New York.
Claflin Air Pistol Air Valves. C. A. Claflin Co., Boston.
Claflin Automatic Tube Blowers. C. A. Claflin Co., Boston.
Claflin Baseball and Athletic Shoes. Waldo M. Claflin, Philadelphia.
Claflin Boiler Tube Blowers; Air Blowing Pistols; Spray Pistols. C. A. Claflin Co., Boston, Mass.
Claflin Heating Engines. Herman Mfg. Co., Lancaster, Pa.
Clairmont Belting. Voorhees Rubber Mfg. Co., Jersey City, N. J.
Cla-Loid Soap. Cla Loid Mfg. Co., Clermont, Ia.
Clamp-O-Set Electric Lamp. Bussman Mfg. Co., St. Louis, Mo.
Clanny Miners' Safety Lamps. American Safety Lamp & Mine Supply Co., Scranton, Pa.
Clarage Kalamazoo Exhaust Fans. Clarage Fan Co., Kalamazoo, Mich.
Clarco Pressed Steel Wheels. Mullins Body Corp., Salem, O.
Clarion Loud Speakers. Jewett Mfg. Co., New York.
Clarion Petroleum. Tide Water Oil Co., New York.
Clariphone Telephone Receiver Attachment. Colytt Laboratories, Chicago.
Clariphos Sugar Clarifiers. Provident Chemical Wks., St. Louis.
Clark Adjustable Air Separators. Clark Dust Collecting Co., Chicago.
Clark Automobile Ammeters. Clark Elec. Meter Co., Detroit.; National Gauge & Equipment Co., La Crosse, Wis.
Clark Automobile and Carriage Heaters. Chicago Flexible Shaft Co., Chicago.
Clark Bolts. Clark Bros. Bolt Co., Mildale, Conn.
Clark Brass Faucets; Kerosene Oil Burners. Clark, Cadle, Harmon Corp., Rochester, N. Y.
Clark Chicago Metal Dust Collectors. Clark Dust Collecting Co., Chicago.
Clark Corn Huskers. R. F. Clark, Chicago.
Clark Cylinder Grinders. Pennypacker Mfg. Co., Los Angeles. Cal.
Clark Damper Regulators. E. Rutzler Co., New York, Faskett & Bishop Co., New Haven, Conn.
Clark Digestors. A. D. Granger Co., New York.
Clark Electric Drills, Grinders, Motors, Generators, Etc. Jas. Clark, Jr. Electric Co., Louisville, Ky.
Clark Expansive Bits. Conn. Valley Mfg. Co., Centerbrook, Conn.; Superior Mfg. Co., Gloucester, Mass.
Clark Flexible Pump Coupling. I. H. Dexter Co., Goshen, N. Y. Successors to Clark Flexible Coupling Co., Inc., New York.
Clark Gas Radiators. American Stove Co., St. Louis.
Clark Grain Power Shovels. Wolf Co., Chambersburg, Pa.
Clark Harrows and Pulverizers, Clod Crushers and Root Cutters. Cutaway Harrow Co., Higganum, Conn.
Clark Horizontal Resaw. Clark Bros. Co., Olean, N. Y.
Clark Internal Gear Drive Axles and Steel Wheels. Clark Equipment Co., Buchanan, Mich.
Clark Jewel Stoves, Heaters, Ranges. Geo. M. Clark & Co., Chicago.
Clark Meter Boxes, Leak Indicators, Service or Valve Box Finders, Pipe Locators, Water Gauges, Meter Testers, Etc. H. W. Clark Co., Mattoon, Ill.
Clark Pattern Expansive Bits. W. A. Ives Mfg. Co., Wallingford, Conn.
Clark-Peerless Steam Setworks. Clark Bros. Co., Olean. N. Y.
Clark Pipe Joint Cements. Clark Cast Steel Cement Co., Shelton, Conn.
Clark Portable Grain Elevators. Clark Mach. Co., St. Johnsville,N.Y.
Clark Realite Light Regulator. Hilton & Burks, Texola, Okla.
Clark Safety Razors. Clark Blade & Razor Co., Newark, N. J.
Clark Tie Plates. Cleveland Railway Supply Co., Cleveland, O.
Clark Tonneau Wind Shields. A. N. Clark & Son, Plainville, Conn.
Clark Trolley Wire Splicers. The Electric Railway Equipment Co., Cincinnati, O.
Clark Tructractor. Clark Tructractor Co., Buchanan, Mich.
Clark Tuyere Irons. Illinois Iron & Bolt Co., Carpentersville, Ill.
Clark's Agricultural Implements. Cutaway Harrow Co., Higganum, Conn.
Clark's Bits and Wall Strapers. C. E. Jennings & Co., New York.
Clark's Blind Hinges. Wrightsville Hdwe. Co., Wrightsville, Pa.
Clark's Damper Regulators. Kelly & Jones Co., Greensburg, Pa.
Clark's Expansive Bits. James Swan Co., Seymour, Conn.
Clark's Expansive Bits and Screw Drivers. R. H. Brown & Co., West Haven, Conn.
Clark's Metallic Life Boats and Rafts. Detroit Shipbuilding Co., Detroit.
Clark's Reversible Hinges. Grey Iron Casting Co., Mt. Joy, Pa.
Clark's Safety Dust Collecting Systems. Clark Dust Collecting Co., Chicago.
Clark's Sand and Gravel Dryers. J. J. Parkhurst, La Porte, Ind.
Clark's Trucks. George P. Clark Co., Windsor Locks, Conn.
Clarke Damper Regulators. Enoch Rutzler Co., New York.
Clarol Belt Dressing. Viscol Co., Cambridge, Mass.
Clar-O-Type, Type Cleaner. The Clarotype Company, New York.
Clary Railroad Tie Plates. Cleveland Railway Supply Co., Cleveland.
Clason Road Maps. Clason Map Co., Denver, Colo.
Classic Drawing Lead Pencils. American Lead Pencil Co., New York.
Classic Force Pumps. Crestline Mfg. Co., Crestline, O.
Classik Steel Ceilings. Berger Mfg. Co., Canton, O.
Clausen Derailers. Wm. Wharton Jr. & Co., Inc., Philadelphia, Pa.
Clausen Pull Switches. Clausen Engineering Office, Bisbee, Ariz.
Clauss Manicure Sets, Shears, Scissors and Razors. U. J. Ulery Co., New York.
Clauss Mincing Knives. Udell Works, Indianapolis, Ind.
Clauss Shears, Safety Razors, Knives. Clauss Shear Co., Fremont, O.
Clay-Hog Electric Sifter. Vibrating Machy. Co., Inc., Chicago.
Clay Hydraulic Packing. Hy. Johnson Co., Jersey City, N. J.
Clay Jones Hose Couplings. John H. Clay, Philadelphia, Pa.
Clayton Compressors. Worthington Pump & Machinery Corporation, New York.
Cleanamel Enameled Signs. Pacific Enam. & Mfg. Co., Oakland, Cal.
Clean Claw Farriers' Hammers. Champion Tool Co., Meadville, Pa.
Clean-Cut Weed Cutters. H. C. Shaw Co., Stockton, Cal.
Clean-Cut Pine. Smith, Fassett & Co., North Tonawanda, N. Y.
Clean Easy Hand Soap. Wm. R. Winn, New York.
Cleanedge Carbon Paper and Typewriter Ribbons. Old Town Ribbon and Carbon Co., Inc., New York.
Cleaner Carpet Beaters. Holt-Lyon Co., Saugerties, N. Y.
Clean-E-Z-Prime Spark Plugs. Premier Electric Co., Chicago.
Cleanoff Paint and Varnish Remover. Campbell Glass & Paint Co., St. Louis.
Cleanola Car and Locomotive Cleaning Compounds. Ball Chemical Co., Pittsburgh.
Cleanola Cleaning Compound. Cleanola Co., Pittsburgh, Pa.
Cleanola Furniture Polish. Cleanola Co., Pittsburgh.
Clean-Out Water Closets. Wheeling Sanitary Mfg. Co., Wheeling, W. Va.
Clean Sweep Hay Loaders. Sandwich Mfg. Co., Sandwich, Ill.
Clean Sweep Sewer Gas Trap and Sanitary Specialties. Detroit Sanitary Sup. Co., Detroit, Mich.
Clean U Well Door Mats. Modern Mfg. Co., Hagerstown, Md.
Cleanwell Flexible Steel Mats. Pettler Wire Products Co., Beaver Falls, Pa.
Cleanwoode Paint and Varnish Remover. Murphy Varnish Company, Newark, N. J.
Clear-Cut Grates. Auburn Foundry Corp., Auburn, Ind.
Clearfield Brick. Clearfield Fire Brick Co., Clearfield, Pa.
Clearsite Non-Renewable Plug Fuses. Economy Fuse & Mfg. Co., Chicago.
Clear Spring Book Papers. West Virginia Pulp & Paper Co., Inc., New York.
Clearview Lavatories. Crane Co., Chicago.
Clear View Screen. Chadburn Engineering Co., Inc., Troy, N. Y.
Clear Vision Wind Shield Cleaners. American Automatic Devices Co., Chicago, Ill.
Clear's Cherry Fillers. Vulcan Mach. Wks., Portland, Ore.
Clebra Gas Service Cocks. Cleveland Brass Mfg. Co., Cleveland.
Clebra Stop and Waste Cocks. Cleveland Brass & Mfg. Co., Cleveland, O.
Cleco Air Valves and Hose Fittings. Cleveland Pneumatic Tool Co., Cleveland.
Cleco Never Slip Nose Clamps; Oil-Spray Gun; Y-Hose Fittings. The Cleveland Pneumatic Tool Co., Cleveland, O.
Cle-Forge High Speed Drills. The Cleveland Twist Drill Co., Cleveland, O.
Cle-Forge Twist Drills. Cleveland Twist Drill Co., Cleveland.
Cleland Special Fanning Mills. Cleland Mfg. Co., Minneapolis.
Clement Band Saw Filing and Setting Machines. American Wood Working Machinery Co., Rochester, N. Y.
Clenopine Disinfectant. U. S. Sanitary Specialties Corp., Chicago.
Cleopatra Sewing Machines, Needles. John Thornton, Jr., New York.
Clermont Hot Air Furnaces. Gem City Stove Co., Dayton, O.
Clermont Lavatories. Crane Co., Chicago.
Clermont Paints. Debevoise Co., Brooklyn, N. Y.
Clermont Vitroware Lavatory. Crane Company, Chicago.
Clero Horns. Fitzgerald Mfg. Co., Torrington, Conn.
Clero Push Buttons. Fitzgerald Mfg. Co., Torrington, Conn.
Cletrac Tank-Type Tractors. Cleveland Tractor Co., Cleveland, Ohio.
Cleveland Ale and Beer Pumps. Russ Co., Cleveland, O.
Cleveland Barn Door Hangers. Lawrence Bros., Sterling, Ill.
Cleveland Blast Furnaces. Cleveland Furnace Co., Cleveland.
Cleveland Blocks. The Upson-Walton Co., Cleveland.
Cleveland Boring, Drilling, Milling Machines. Cleveland Machine Tool Works, Cleveland, O.
Cleveland Canvas Belting and Tank Balls. U. S. Rubber Co., New Yk.
Cleveland Car Fenders and Wheel Guards, Fare Boxes and Sand Boxes. Cleveland Fare Box Co., Cleveland.
Cleveland Carlines. Cleveland Car Specialty Co., Cleveland, O.
Cleveland Coating Sprays, Superheaters, Branding Machines, Spraying Machines. Eureka Machine Co., Cleveland, O.
Cleveland Cranes. Cleveland Crane & Engineering Co., Wickliffe, O.
Cleveland Cultivators. Empire Plow Co., Cleveland.
Cleveland Double Crimped Wire Cloth. The Cleveland Wire Cloth & Mfg. Co., Cleveland, O.
Cleveland Fare Boxes, Car Fenders, Air Fenders. Cleveland Fare Box Co., Cleveland. O.
Cleveland Fireless Cookers and Hot Plate Burners. Am. Lava Corp., Chatanooga, Tenn.
Cleveland Flushing Valves. Cleveland Flush Meter Co., Cleveland.
Cleveland Friction Clutches. Western Engrg. & Mfg. Co., Chicago.
Cleveland Grindstones. Cleveland Stone Co., Cleveland, O.
Cleveland Hot Air Furnaces. Bennett Furnace Co., Cleveland.
Cleveland Joist Hangers. Columbian Hardware Co., Cleveland.
Cleveland Magneto. Pettes & Randall Co., New York.
Cleveland Milling Machines. Clark-Mesker Co., Cleveland, O.
Cleveland Motor Cycles. Cleveland Motor Cycle Mfg. Co., Cleveland.
Cleveland Oil Testers. Isidor Blickman, New York.
Cleveland Piston Rings. Cleveland Hammered Piston Ring Co., Cleveland.
Cleveland Planing Machines, Open Side. Cleveland Planer Works, Cleveland.
Cleveland Pneumatic Drills, Riveters, Chippers, Valve Grinders, Emery Grinders, Core Breakers and Sand Rammers. The Cleveland Pneumatic Tool Co., Cleveland, O.
Cleveland Pump Chain and Buckets. Chain Products Co., Cleveland.
Cleveland Pyrometers, Recorders. The Cleveland Instrument Co., Cleveland, O.
Cleveland Reinforced Concrete Docks. The Cleveland Dock Engineering Co., Cleveland, O.
Cleveland Rock Drill. Cleveland Rock Drill Co., Cleveland, O.
Cleveland Roof Snow Guards and Wall Ties. Duplex Hanger Co., Cleveland.
Cleveland Single and Multiple Spindle Automatic Machines. The Cleveland Automatic Machine Co., Cleveland.
Cleveland Six Automobile Bldrs. Cleveland Automobile Co., Cleveland.
Cleveland Solid Semi Steel Punches and Shears. Cleveland Punch & Shear Works, Cleveland, O.
Cleveland Springs. Cleveland Wire Spring Co., Cleveland, O.
Cleveland Standard Tires. The Stand Tire & Rubber Mfg. Co., Cleveland, O.
Cleveland Tire Chains. Cleveland Chain & Mfg. Co., Cleveland, O.
Cleveland Toggle Drawing Presses. The Cleveland Machine & Mfg. Co., Cleveland, O.
Cleveland Tool Room Lathe. The Simplex Machine Tool Co., Cleveland. O.
Cleveland Traction Engines. Cleveland Tractor Co., Cleveland.
Cleveland Watchman's Clocks. American Watchman's Time Detector Co., Cleveland.
Cleveland Wet Tool Grinders. Cleveland Automatic Machine Co., Cleveland.
Cleveland Worm Drives. Cleveland Worm & Gear Co., Cleveland, O.
Cleveland-Knowles Magnetic Separators. United Iron Works Co., Kansas City, Mo.
Clever-Cut Fruit and Vegetable Slicer. Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
Clico Corn Syrup. Clinton Sugar Refining Co., Clinton, Ia.
Clifford Capell Mine Ventilating Fans. Elliott Co., Pittsburgh.
Cliff Safety Hose Racks and Reels. Cliff & Guilbert Co., New York.
Cliffs Bolster Seat Springs. Meyer & Co., Throopsville, N. Y.
Clifton Gas Engines. Clifton Motor Works, Cincinnati.
Clifton Lavatories. Crane Co., Chicago.
Clifton Pig Iron. Alabama Co., Birmingham, Ala.

Clifton Steel Conduits. Clifton Mfg. Co., Boston.
Climalene Water Softening Apparatus. Climalene Co., Canton, O.
Climax Ammunition. U. S. Cartridge Co., Lowell, Mass.
Climax Asphalt Roofing and Roofing Paints. McHenry-Millhouse Mfg. Co., South Bend, Ind., and Fulton, Mich.
Climax Automatic Steam Engines. Peer Mfg. Co., Comstock, Mich.
Climax Band Mills and Saw Mill Machinery. The Smith, Myers & Schnier Co., Cincinnati, O.
Climax Barrows. The Lansing Company, Lansing, Mich.
Climax Belt Drive. Bodinson Mfg. Co., San Francisco.
Climax Belt Fasteners. Hudson Belt Fastener Co., New York.
Climax Belting. Hudson Belting Co., Worcester, Mass.; N. Palmer & Co., Bridgeport, Conn.
Climax Belt Lacing. Manufacturers Belt Hook Co., Chicago.
Climax Blotting Paper. Richmond Paper Co., Richmond, Va.
Climax Cane Mills C. S. Bell Co., Hillsboro, O.
Climax Car Couplers. National Malleable and Steel Castings Co., Cleveland, O.
Climax Car Door Track and Hangers. Chicago Car Door Co., Chicago.
Climax Cellar Drainers, Hydrants, Testing Plugs, Gas Machines, Burners, Mixers, Pot Soldering Furnaces. C. M. Kemp Mfg. Co., Baltimore.
Climax Cement Plasters. Acme Cement Plaster Co., St. Louis, Mo.
Climax Closet Seat Hinges and Plumbers Wood Work. Sherwood Brass Works, Detroit.
Climax Closet Seats. C. F. Church Mfg. Co., Holyoke, Mass.; Meyer-Sniffen Co., New York.
Climax Clothes Baskets. Arthur J. Moore, Dept. H, Wells River, Vt.
Climax Commutators. A. B. Black, Boston, Mass.
Climax Compound. Cortland Welding Compound Co., Cortland, N. Y
Climax Compressors, Core Wire Straighteners. Worthington Pump & Machinery Corporation, New York.
Climax Corrugated Bottle Wrappers. Hinde & Dauch Paper Co., Sandusky, O.
Climax Cotton Belting. Fenwick-Reddaway Mfg. Co., Newark, N. J.
Climax Cultivators. Ohio Cultivator Co., Bellevue, O.
Climax Cupola Blocks. Climax Fire Brick Co., Climax, Clarion Co., Pa.
Climax Damper Regulators. Kieley & Mueller, New York.
Climax Dating and Numbering Machines. Traut & Hine Mfg. Co., New Britain, Conn.
Climax Display Racks. Weston Paper & Mfg. Co., Dayton, O.
Climax Dry Batteries, Automobile Lamps, Wire Connectors and Wire Scrapers. Sibley & Pitman Electrical Corp., New York.
Climax Engines. Climax Mfg. Co., Corry, Pa.
Climax Ensilage Cutters. Climax Corp., Batavia, N. Y.
Climax Expansion Bolt and Lag Screw Shields; Screw Anchors; Toggle Bolts. The Brohard Co., Philadelphia, Pa.
Climax Fasteners. Buffalo Automatic Mfg. Co., Buffalo, N. Y.
Climax Feed Cutters and Carriers. Climax Corp., Dept. H, Batavia, N. Y.
Climax Flexible Steel Belt Lacing. Mfrs. Belt Hook Co., Chicago.
Climax Fibre Rope. American Mfg. Co., Boston, Mass.
Climax Food Grinders. Tri-Angle Mfg. Co., Freeport, Ill.
Climax Gas Machines, etc. C. M. Kemp Mfg. Co., Baltimore, Md.
Climax Grain Drills. Walter A. Wood Mowing & Reaping Machine Co., Hoosick Falls, Vt.
Climax Grain Lifter Guards. Hirsch Bros., Milwaukee, Wis.
Climax Grease Cups. American Injector Co., Detroit, Mich.
Climax Grindstones. Richards-Wilcox Mfg. Co., Aurora, Ill.
Climax Gypsum Products. Acme Cement Plaster Co., St. Louis, Mo.
Climax Hinges, Etc. Sherwood Brass Wks., East Detroit, Mich.
Climax Hose Nozzles. Landers, Frary & Clark, Inc., New Britain, Conn.
Climax Hot Air Furnaces and Steel Ranges. Taplin-Rice-Clerkin Co., Akron, O.
Climax Ladders. Frizell Ladder Co., Boston.
Climax Leather Belting. Hudson Belting Co., Worcester, Mass.; N. Palmer & Co., Bridgeport, Conn.
Climax Locomotives. Climax Mfg. Co., Corry, Pa.
Climax Lubricating Oils and Greases. C. F. Sweet, Hartford, Conn.
Climax Milk Cans. Creamery Package Mfg. Co., Chicago.
Climax Needles. Randall-Falchney Co., Boston.
Climax Numbering and Dating Machines. Traut & Hine Mfg. Co., New Britain, Conn.
Climax Oil Burners. E. L. Miller Mfg. Co., Kansas City, Mo.
Climax Oiled Stencil Board. C. B. Hewitt & Bros., Inc., New York.
Climax Packing. Crandall Packing Co., Palmyra, N. Y.
Climax Paper Clips. Buffalo Automatic Mfg. Co., Buffalo, N. Y.
Climax Paper Hangers Trimmers. A. Allen & Co., Philadelphia, Pa.
Climax Platform Lanterns. R. E. Dietz Co., New York.
Climax Plows. C. Billups Son & Co., Norfolk, Va.; Thornburgh Mfg. Co., Bowling Green, O.
Climax Polish. Elijah F. Ballard, Dallas, Tex.
Climax Poultry Netting, Sheep and Hog Fencing. Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Climax Railway Track Drills. National-Standard Co., Niles, Mich.
Climax Resistance Alloys. Driver Harris Co., Harrison, N. J.
Climax Resistance Wire. Driver-Harris Co., Harrison, N. J.
Climax Rivets. The Bourne-Fuller Co., Cleveland, O.
Climax Road Scraper. American Steel Scraper Co., Sidney, Ohio.
Climax Rock Crushers. Good Roads Machy. Co., Inc., Kennett Square, Pa.
Climax Sanitary Meat Slicers. Anderson Computing Scale Co., Anderson, Ind.
Climax Saw Clamps. Gustafson & Scott Mfg. Co., Chicago, Ill.
Climax Shingle Mill Machinery. American Sawmill & Machinery Co., Hackettstown, N. J.
Climax Smoke Preventer. Climax Smoke Preventer Co., Boston, Mass.
Climax Soldering Furnaces. C. M. Kemp Co., Baltimore, Md.
Climax Spray Pumps. Dayton Mfg. Co., Dayton, O.
Climax Steel. Denman & Davis, New York.
Climax Steel Tackle Blocks. The A. V. Hartz Co., Cleveland, O.
Climax Step Ladders. Goshen Mfg. Co., Goshen, Ind.
Climax Stocks and Dies, Pipe Vises. C. M. Kemp Mfg. Co., Baltimore Md.
Climax Stump Pullers. C. D. Edwards, Albert Lea, Minn.
Climax Sugar Cane Mills. C. S. Bell Co., Hillsboro, O.
Climax Sweep Horse Powers. Gehl Bros. Mfg. Co., West Bend, Wis. I. B. Rowell Co., Waukesha, Wis.
Climax Toe Calks. Franklin Steel Works, Joliet, Ill.
Climax Track Drills. National-Standard Co., Niles, Mich.
Climax Tractor Engines. Climax Engineering Co., Clinton, Ia.
Climax Trucks. Lansing Co., Lansing, Mich.
Climax Valves. Illinois Engineering Co., Chicago.
Climax Ventilating Caps. Miller Foundry & Specialty Co., Tonawanda, N. Y.
Climax Wash Tub Benches. Household Mfg. Co., Royersford, Pa.
Climax Water Motors. Gaylord & Eitapenc Co., Binghamton, N. Y.
Climax Water Supply System. Deming Co., Salem, O.
Climax Welding Compounds. Cortland Welding Compound Co., Cortland, N. Y.
Climax Wheel Garden Hoes. Ohio Cultivator Co., Bellevue, O.
Climax Wire Letter Trays. Barbee Wire & Iron Works, Chicago.
Climax Wood Mortar. Grand Rapids Plaster Co., Grand Rapids, Mich.
Climax Wood Pails and Buckets. Buckeye Churn Co., Sidney, O.
Climber Automobiles and Motor Trucks. Climber Motor Corp., Little Rock, Ark.
Clincher Animal Traps. Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Clincher Conductor Pipe Hooks. Milwaukee Corrugating Co., Milwaukee, Wis.
Clincher Couplings. The Hammon Coupler Co., Mt. Vernon, O.
Clincher Riveting Machines. Star Heel Plate Co., Newark, N. J.
Clincher Vises. Massey Vise Co., Chicago.
Clincher Weather Stripping. W. J. Dennis & Co., Chicago.
Clinchfield China and Pottery. Southern Potteries, Inc., Erwin, Tenn.
Cling Paper Clips. H. C. Cook Co., Ansonia, Conn.
Clingfast Belt Dressing. Brewer & Co., Inc., Worcester, Mass.
Cling Fast Plates. Miller Foundry & Specialty Co., Tonawanda, N. Y.
Clingston Leather Belting. Bonner & Barnewall, Inc., New York.
Cling-Surface Belt Dressing (heavy, medium, light and bar); Cable Dressing; Rope Preservatives. Cling-Surface Co., Buffalo, N. Y.
Clinton Cements, Mortar, Color and Paints. Clinton Metallic Paint Co., Dept H, Clinton, N. Y.
Clinton Corn Shellers. A. B. Farquhar Co., Ltd., York, Pa.
Clinton Corn Syrup and Sugar. Clinton Corn Sugar Refining Co., Clinton, Ia.
Clinton Flax Packings. Clinton Mfg. Co., Brooklyn, N. Y.
Clinton Horse Nails. Ausable Essex Horse Nail Co., Keeseville, N. Y.
Clinton Latches and Para-Lock Switch Throws. Electrical Material Co., Chicago.
Clinton Pig Iron. Clinton Iron & Steel Co., Pittsburgh, Pa.
Clinton Poultry Netting Wire Cloth, Wire Lath, Welded Fabric. Wickwire Spencer Steel Corp., New York.
Clinton Rubber Hose. New York Belting Co., New York.
Clinton Safety Pins. Oakville Co., Waterbury, Conn.
Clinton Vegetable Slicer. E. J. Holmes & Son., Ithaca, N. Y.
Clinton Wagons. Abingdon Wagon Co., Abingdon, Ill.
Clinton Wire Cloth, Wire Lath, Welded Wire, Perforated Metals, Poultry Netting. Wickwire-Spencer Steel Corp., New York.
Clinton Wire Cut Lugs; Vitrified Shale. Clinton Paving Brick Co., Clinton, Ind.
Clio Water Closets. Jas. Barrett Mfg. Co., Boston, Mass.
Clip Gate Valves. Lunkenheimer Co., Cincinnati, O.
Clipless Paper Fasteners (Hand and Stand Machines). Clipless Paper Fastener Co., Newton, Ia.
Clipper Artesian Well Drills. Loomis Machine Co., Tiffin, O.
Clipper Axes, Rag Cutter Knives, Scythes. Dunn Edge Tool Co., Oakland, Me.
Clipper Bean and Pea Cleaners, Bean and Pea Sorters, Grain Graders, Fanning Mills, Alfalfa Seed Cleaners. A. T. Ferrell & Co., Saginaw, Mich.
Clipper Belt Fasteners, Belt Lacing and Belt Lacing Machines. Clipper Belt Lacer Co., Grand Rapids, Mich.
Clipper Belt Hooks. Manufacturers' Belt Hook Co., Chicago.
Clipper Belt Lacer and Belt Hooks. Clipper Belt Lacer Co., Chicago.
Clipper Belts; Hose; Packing; Matting. The Diamond Rubber Company, Akron, O.
Clipper Carpet Sweeper. Samuel Lewis, New York.
Clipper Cultivators. Peru Plow & Wheel Co., Peru, Ill.
Clipper Door Hangers. Lawrence Bros., Sterling, Ill.
Clipper Egg and Cream Beaters, Lemon Squeezers. Giles & Nielsen Nickel Works, Troy, N. Y.
Clipper Fanning Mills. Johnson & Field Mfg. Co., Racine, Wis.
Clipper Feed Cutters. A. B. Farquhar Co., Ltd., York, Pa.
Clipper Green Pea Cleaning and Grading Machines. Sprague Canning Machinery Co., Chicago.
Clipper Lawn Mowers and Gasoline Engines. Clipper Lawn Mower Co., Dixon, Ill.
Clipper Well Drilling Machinery. Loomis Machine Co., Tiffin, O.
Clipper Wood Stoves. Gray & Dudley Hdwe. Co., Nashville, Tenn.
Clippinger Steel Corn Cribs. A. B. Clippinger & Son Mfg. Co., Kansas City, Kan.
Clock-Spring Rubber Stamp Holder. Glad Tidings Publishing Co., Chicago.
Clorax Bleach and Germicide. Clorax Chemical Corp., Oakland, Calif.
Clorizol Oderless Disinfectant. U. S. Sanitary Specialties Corp., Chicago.
Close-Coupled Turret Lathes. Davis Machine Tool Co., Rochester, N. Y.
Close Tite Automobile Tops. Longdin-Brugger Co., Fond du Lac, Wis.
Closin Lavatories. Crane Co., Chicago.
Clothel Pumps. The Clothel Co., New York.
Clough Concrete Mixers. Clough Concrete Construction Co., Quincy, Ill.
Clough Gasoline Burners. Theo. Clough, Dobbs Ferry, N. Y.
Clough Rail and Timber Hooks. The Maintenance Equipment Co., Chicago.
Clover Brand Paper. Miller-Bryant-Pierce Co., Aurora, Ill.
Clover Carbon Paper. Miller-Bryant-Pierce Co., Aurora, Ill.
Clover Closet Tanks. J. C. Eichman Mfg. Co., Baltimore.
Clover Drinking Cups. Cutter Tower Co., New York, N. Y.
Clover Fuse. E. I. du Pont de Nemours & Co., Inc., Explosives and Smokeless Powder Depts., Wilmington, Del.
Clover Grinding Compounds. Clover Mfg. Co., Norwalk, Conn.
Clover Hot Air Registers. The Clo-Mix Company, Elkhart, Ind.
Clover Incandescent Gas Mantles. Welsbach Light Co., Phila., Pa.
Cloverine Products. Wilson Chemical Co., Tyrone, Pa.
Clever Lead Pencils. American Lead Pencil Co., New York.
Clover Leaf Brand Talc, Soapstone, Clay, Etc. Rock Products Co., Easton, Pa.
Clover Leaf Babbitt Metal. E. A. Williams & Sons, Jersey City, N. J.
Clover Leaf Hoists. Clover Leaf Machine Co., South Bend, Ind.
Clover Leaf Lawn Mowers. F. & N. Lawn Mower Co., Richmond, Ind.
Clover Leaf Oil Heaters. Cedar Rapids Fdry. & Mach. Co., Inc., Cedar Rapids, Ia.
Clover Leaf Thumb Tacks. Hampden Mfg. Co., New York.
Cloverleaf Unloaders. F. E. Myers & Bro., Ashland, O.
Clover Rubber Hose. Whitehead Bros., Rubber Co., Trenton, N. J. Pioneer Rubber Mills, San Francisco.
Clover Safety Fuse. du Pont de Nemours & Co., E. I., Inc., Explosives & Smokeless Powder Depts., Wilmington, Del.
Clover Triumph Gas Heaters. Phila. Stove & Iron Foundry Co., Philadelphia.
Clover Water Heaters. Mustee Water Heater Co., Cleveland, O.
Clow Automatic Water Closets; Gasteam Radiation. James B. Clow & Sons, Chicago.

Clow Temperature Booster Pressure Reducing Valves. Jas. B. Clow & Sons, Chicago.
Clow Valves, Water Lifts. Jas. B. Clow & Sons, Chicago.
Club Carpet Sweepers. Bissell Carpet Sweeper Co., Grand Rapids, Mich.
Clyde Cable-Outhaul Skidders. Clyde Iron Works, Duluth, Minn.
Clyde Iron. Brown Co., Inc., Pittsburgh, Pa.
Clyde Kitchen Enameled Ware. Coonley Mfg. Co., Cicero, Ill.
Clyde Lime Hydrating Machinery. H. Miscampbell, Duluth, Minn.
Clyde Log Loaders, Log Skidding and Loading Machines, Stump Pullers. Clyde Iron Works Sales Co., Duluth, Minn.
Clydesdale Gauge Glasses. United States Asbestos Co. of Ill., Chgo.
Clydesdale Motor Trucks. Clydesdale Motor Truck Co., Clyde, O.
Clyde Self-Propelling Steam Skidding Machine, Ground Skidder, Cableways, Steam and Electric Hoists and Derricks. Clyde Iron Works, Duluth, Minn.
Clyod Flooring Clamps. Hdwe. Specialty Mfg. Co., Anderson, Ind.
Coach and Car Metal Surfacers. St. Louis Surfacer & Paint Co., St. Louis, Mo.
Coach Deck Leather Cloth. Zapou Leather Cloth Co., New York.
Coach Painters Black. L. Martin Co., New York.
Coal King Stoves. Price-Evans Foundry Co., Chattnooga, Tenn.
Coal Saver Hot Air Furnaces. Detroit Stove Wks., Detroit.
Coal Tar Disinfectants. West Disinfectant Co., New York.
Coale Muffled and Pop Safety Valves. Coale Muffler & Safety Valve Co., Baltimore, Md.
Coalinga Rubber Hose. Elec. Hose & Rubber Co., Wilmington, Del.
Coalite Explosives. Giant Powder Co., San Francisco.
Coalite Powder. Atlas Powder Co., Wilmington, Del.
Coast Horizontal Hoist for Auto Dump Bodies. Coast Engine & Machine Works, Portland.
Coatastone Floor Finishes. R. F. Johnston Paint Co., Cincinnati, O.
Coates Breast Drills, Boring Machines, Lubricants, Portable Drills, Screw Drivers, Reamers, Cutters. Coates Clipper Mfg. Co., Worcester, Mass.
Coates Flexible Shaft Hair Clippers, Portable Drilling and Bracket Boring Machines. Coates Clipper Mfg. Co., Worcester, Mass.
Coates Flexishaft Equipment. Coates Clipper Mfg. Co., Worcester, Mass.
Coats Optical Flats. Coats Machine Tool Co., New York City.
Co-Bal-Dor Freight Elevator Door. St. Louis Fire Door Co., St. Louis, Mo.
Cobasco Skip Hoist System. C. O. Bartlett & Snow Co., Cleveland, O.
Cobbs Piston Packing. New York Belting & Packing Co., New York.
Coburn Hangers, Crane, Doors, Hdwe. Mfrs., Fittings, Ladders, Overhead Trolleys and Trolley Tracks. Coburn Trolley Track Mfg. Co., Holyoke, Mass.
Coburn-Taylor Rag Cutting Machines. B. F. Perkins & Son, Holyoke, Mass.
Cobweb Carbon Paper. A. P. Little, Rochester, N. Y.
Cobweb Wire Glass. Pennsylvania Wire Glass Co., Philadelphia.
Cobwell Garbage Reduction Plants. C. O. Bartlett & Snow Co., Cleveland, O.
Coca Brush Door Mats. Heywood-Wakefield Company, Boston 9, Mass.
Co-Co Steel. Colonial Steel Co., Pittsburgh, Pa.
Cocheco Belting, Belt Cements and Belt Lacing. J. B. Williams & Sons, Dover, N. H.
Cocheco Leather Belting. I. B. Williams & Son, Dover, N. H.
Cocheco Metallic Packing. Strong Machinery & Sup. Co., New York.
Cochegan Belt Dressing. Ulmer Leather Co., Norwich, Conn.
Cochran Packing Boxes. Cochran Box & Mfg. Co., Inc., Lockport, N. Y.
Cochrane-Bly Universal Shapers, Cutting-Off Machines. Cochrane-Bly Co., Rochester, N. Y.
Coco Oil & Gasoline Pumps. A. C. Kraft, Chicago.
Codex Data Papers. Codex Book Co., Inc., New York.
Codorus Roofing Paper. Schmidt & Ault Paper Co., York, Pa.
Codru Closets and Tanks. Cochran-Drugan Co., Trenton, N. J.
Codru Plumbers' Sanitary Earthenware. N. J. China Pottery Co., Trenton, N. J.
Coe Automatic Veneer Dryers. Coe Mfg. Co., Painesville, O.
Coen Mechanical Fuel Oil Burners. Coen Co., San Francisco.
Coe Patent Sectional Shaking Grate. C. T. Coe Company, New York
Coe-Stapley Oil and Grease Guns and Syringes. New England Tube & Stamping Co., Inc., West Haven, Conn.
Coe-Stapley Special Air Tire Pumps. New England Tube & Stamping Co., Inc., West Haven, Conn.
Coe's Aluminum and Gold Leaf in Rolls, Gilding Wheels and Machines. W. H. Coe Mfg. Co., Providence, R. I.
Coe's Gilding Wheels. W. H. Coe Mfg. Co., Providence, R. I.
Coe Turbine Blowers. C. T. Coe Co., Newark, N. J.
Coenco Steam Traps. Consolidated Engineering Co., Chicago.
Coes Wrenches. Coes Wrench Co., Worcester, Mass.
Coffield Electric Clothes Washing Machines. Coffield Motor Washer Co., Dayton, O.
Coffin Planimeters. Ashcroft Mfg. Co., New York.
Cog Gear Pumps, Tank Pumps and Spray Pumps. The F. E. Myers & Bro., Ashland, O.
Cogswell Grinding Mills. Coes Wrench Co., New York; The A. & F. Brown Co., New York.
Cohesive Arc Lamp Globes. Edw. E. Cary Co., New York.
Cohoes Elevators. Cohoes Iron Fdry. & Mach. Co., Cohoes, N. Y.
Coil Springs Animal Traps. Triumph Trap Co., Inc., Oneida, N. Y.
Coin Compression Grease Cups. Wm. Powell Co., Cincinnati.
Coin Oils and Grease Cup Lubricators. Wm. Powell Co., Cincinnati, O.
Coin Operating Lavatory Locks. Coin Controlling Lock Co., Indianapolis.
Coit Drill Chucks. Narragansett Machine Co., Providence, R. I.; Standard Machinery Co., Mystic, Conn.
CoKal Hand Stoker. Cokal Stoker Corp., Chicago.
Colbert Can Filling Machines. Sprague Canning Mach. Co., Chicago.
Colburn Heavy Duty Drill Presses, Vertical Boring and Turning Mills. Colburn Machine Tool Co., Cleveland, O.
Colburn Metal Boring Mills. Colburn Machine Tool Co., Franklin, Pa.
Coldak Household Refrigerator Machines. Coldak Co., Springfield, Mass.
Cold Blast Charcoal Pig Iron. McCoy-Linn Iron Co., Milesburg, Pa.
Cold Flowed Metal Products. Mutual Electric & Machine Co., Detroit, Mich.
Cold Handle Family Sad Irons. Gray Iron Foundry Co., Reading, Pa.
Cold Handle Stove Lid Lifters. Grey Iron Casting Co., Mt. Joy, Pa.
Coldshuts Chain Repair Links. Bridgeport Chain Co., Bridgeport, Conn.
Coldwater Garden Cultivators and Manure Spreaders. New Idea Spreader Co., Coldwater, O.
Coldwell Lawn Mowers and Lawn Mower Sharpeners. Coldwell Lawn Mower Co., Newburgh, N. Y.
Cole Aero Eight Automobile Bldrs. Cole Motor Car Co., Indianapolis.
Cole Locomotive Driving Boxes. Franklin Ry. Sup. Co., New York.
Cole Storage Batteries. Cole Storage Battery Co., Chicago.
Colebrook Crown Store Makers' Putty. W. H. Colebrook's Sons, Syracuse, N. Y.
Colebrookdale Elec. Sad Irons. Colebrookdale Iron Co., Pottstown, Pa.
Colebrook's Plumbers' Soil. Colebrook's Sons, Syracuse, N. Y.
Colecto Annunciator. S. H. Couch Co., Norfolk Downs, Mass.
Coleman Arc Lamps. Coleman Lamp Co., Los Angeles.
Coleman Conveyor Cleats. C. T. Patterson Co., Ltd., New Orleans, La.
Coleman Core and Mold Ovens, Core Racks, Rolling Drawers, Shelves and Cars. The Foundry Equipment Co., Cleveland, O.
Coleman Eagle Carriage Bolts. Bourne-Fuller Co., Cleveland.
Coleman Feed Rollers. Coleman Feed Roller Co., Vrendenburgh, Ala.
Coleman Lamps. Coleman Lamp Co., Wichita, Kan.
Coleman Ovens. Foundry Equipment Co., Cleveland.
Coleman Quick-Lite Lamps, Lanterns and Lighting Plants. Coleman Lamp Co., Wichita, Kans.
Coleman Rope Cleats. C. T. Patterson Co., New Orleans.
Coleman Sash Pulleys. Coleman Hdwe. Co., Chicago.
Coleman's Adjustable Conductor Strainers. Audubon Wire Cloth Co., Inc., Audubon, N. J.
Coleman's Plumbers Force Cups. Allan J. Coleman, Chicago.
Colemco Batteries and Flashlights. Columbia Electric Novelty Corp., New York.
Coles Electric Coffee Mills, Meat and Food Choppers. Braun Co., Philadelphia.
Colfax Wild Oat Separators. Colfax Mfg. Co., Minneapolis.
Colgan Oils and Greases. Colgan Mfg. & Supply Co., New York.
Collapsable Joint Forms. Collapsable Joint Form Co., Kansas City, Mo.
Collapso Camp Beds and Furniture. Collapso Camp Bed Co., Los Angeles.
Collar Valves. Collar Valve Corp., Oakland, Calif.
College Lawn Mowers. Phila. Lawn Mower Co., Phila.
Collerleak Pipe Couplings and Clamps. Dayton Pipe Couplings Co., Dayton, Ohio.
Colles Feed Water Purifiers. Sharkey & Peck, Chicago.
Collicott's Improved Ingalls Flue Cleaners. Newark Brush & Scraper Co., Newark, N. J.
Collie Padlocks. E. T. Fraim Lock Co., Lancaster, Pa.
Collier Motor Trucks. Collier Motor Truck Co., Cleveland, O.
Collier Permissible Powder. Hercules Powder Co., Wilmington, Del.
Collin Cocks, Regulators. Ohio Brass Co., Mansfield, O.
Collinge Carriage Axles. Lee & Porter, Buchanan, Mich.
Collings Concrete Inserts. Kohler Die & Specialty Co., DeKalb, Ill.
Collins Automatic Non-Splashing Track Switch. U. S. Electric Signal Co., W. Newton, Mass.
Collins Automobile Wind Shields. G. A. Collins & Son, Akron, O.
Collins Tube Expanders. Ajax Mfg. Co., Pittsburgh, Pa.
Collis Arbors Drill Sleeves and Sockets, Lathe Bushings and Centers, Etc. Collis Co., Clinton, Ia.
Collis Drills, Chucks, etc. Collis Co., Clinton, Ia.
Collmer Emery Wheel Dressers. Collmer Bros., So. Bend, Ind.
Colls Boiler Ejectors. Tranter Mfg. Co., Pittsburgh.
Coll's Pat. Defiance Pump. Troutner Mfg. Co., Pittsburgh, Pa.
Colls Patent Ejector. Tranter Mfg. Co., Pittsburgh, Pa.
Col-Mac Carburetors. Col-Mac Co., Newark, N. J.
Colmont Field Glasses. F. W. King Optical Co., Cleveland.
Colombo Plumbago. J. S. McCormick & Co., Pittsburgh.
Colon Barrows. The Lansing Company, Lansing, Mich.
Colonel Gas Arc Lamps. Risinger Bros. Co., E. Liverpool, O.
Colonel Lubricators. The Lunkenheimer Co., Cincinnati, O.
Colonel Sight Fed Lubricators. Lunkenheimer Co., Cincinnati.
Colonial Axes. Mann Edge Tool Co., Lewiston, Pa.
Colonial Babbitt Metal, Brattice Cloth, Brooms, Fire Extinguishers, Mine Rollers, Packing, Roofing. Colonel Supply Co., Pittsburgh.
Colonial Coffee and Spice Mills. Wrightsville Hdwe. Co., Wrightsville, Pa.
Colonial Compression Grease Cups. Wm. Powell Co., Cincinnati.
Colonial Concrete Block Machine. The Miles Mfg. Co., Jackson, Mich.
Colonial Cultivators. Grand Detour Plow Co., Dixon, Ill.
Colonial Dampers, Andirons and Gates. Colonial Fireplace Co., Chgo.
Colonial Force Pumps. Barnes Mfg. Co., Mansfield, O.
Colonial Gas Pressure Regulators. Baylis Co., Bloomfield, N. J.
Colonial Electric Lamp Posts. Casey-Hedges Co., Chattanooga, Tenn.
Colonial High Speed Crucible Steel. Colonial Steel Co., Pittsburgh.
Colonial Hot Air Registers. Phila. Hdw. & Mail Iron Wks., Phila.
Colonial Incandescent Elec. Lamps. Colonial Elec. Wks., Warren, O.
Colonial Lubricating Oils. Borne-Scrymser Co., New York.
Colonial Lubricators. Wm. Powell Co., Cincinnati, O.
Colonial Oils and Greases. Borne Scrymser Co., New York.
Colonial Pig Iron. Colonial Iron Co., New York.
Colonial Porch Columns. Saco Mfg. Co., Saco, Me.
Colonial Regulators. Baylis Co., Bloomfield, N. J.
Colonial Rubber Tires. Colonial Tyre & Rubber Co., Inc., New York.
Colonial Sanitary Flooring. Warren Bros. Co., Boston.
Colonial Steam Engine Lubricators. The Lunkenheimer Co., Cincinnati, O.
Colonial Steel. Colonial Steel Co., Pittsburgh, Pa.
Colonial Stoves, Ranges, Heaters, and Furnaces. Montag Stove Wks., Portland, Ore.
Colonial Tool Steel. Colonial Steel Co., Pittsburgh.
Colorado Asbestos Roofing and Cement Coat Roofing. Western Elaterite Roofing Co., Denver, Colo.
Colorado De Lux Tent. Colorado Tent & Awning Co., Denver, Colo.
Colorado Lawn Sprinklers. W. D. Allen Mfg. Co., Chicago.
Colorado Water Bags. Colorado Tent & Awning Co., Denver, Colo.
Colorbeston Wire. General Electric Co., Schenectady, N. Y.
Colorific Mortar Colors. Jas. M. Wells Co., Ogdensburg, N. Y.
Colorite Fabric Dyes and Hat Finish. Carpenter-Morton Co., Boston, Mass.
Colorless Waterproofing Brick Paints. Glidden Co., Cleveland.
Color-Lite Lights. Reflector and Illuminating Co., Chicago.
Colorseal Concrete Hardeners. Master Builders Co., Cleveland.
Color-Tex Floor Hardeners. Truscon Laboratories, Detroit.
Colortone Pyralin Toilet Articles. E. I. du Pont de Nemours & Co., Inc., Wilmington, Del.
Colossus Air Drill Hose, Suction Hose, Steam Hose. Electric Hose & Rubber Co., Wilmington, Del.
Colossus Gaskets and Packing. The Colossus Company, Inc., Shreveport, La.
Collossus Rubber Hose. Electric Hose & Rubber Co., Wilmington, Del.
Colson Library Trucks, Invalid Chairs and Rubber Tired Wheels, Colson Co., Elyria, O.
Colt Acetylene Lanterns. J. B. Colt & Co., New York.
Colt Standard Generators. J. B. Colt & Co., New York.

Coltay Miners' Spades. Smith-Courtney Co., Richmond, Va.
Colt's Armory Printing Presses. Thomson-National Press Co., Inc., Long Island City, N. Y.
Colt's Screw and Eccentric Wire Clamps. Batavia Clamp Co., Batavia, N. Y.
Colton Cement. California Portland Cement Co., Los Angeles, Cal.
Colton Detroit High Speed Drills. Arthur Colton Co., Detroit, Mich.
Colton Filing Machines. Arthur Colton Co., Detroit, Mich.
Columbia Adjustable Square Grip Staybolt Chuck. Columbia Chuck & Tool Co., Chicago.
Columbia Adjustable Threading Chuck. Columbia Chuck & Tool Co., Chicago.
Columbia All-Metal Weather Strips. The National Metal Weather Strip Co., Inc., Pittsburgh, Pa.
Columbia Armature Banding Machines, Coil Taping Machines, Electric Car Brakes, Gear Cases, Pinion Pullers, Signal Switches, Pneumatic Lifts. Columbia Machine Works & Malleable Iron Co., Brooklyn.
Columbia Auto Axles. The Columbia Axle Co., Cleveland, O.
Columbia Automobile. The Columbia Motors Co., Detroit, Mich.
Columbia Belting and Hose. Pennsylvania Rubber Co., Jeannette, Pa.
Columbia Cables and Conduits. Columbia Metal Hose Wks., Long Island City, N. Y.
Columbia Candles. Columbia Wax Products Co., New York.
Columbia Car Cleaning Oils, Varnish Renovators. Columbia Refining Co., New York.
Columbia Car Trucks. McGuire-Cummings Mfg. Co., Chicago.
Columbia Carbon Paper. Columbia Ribbon & Carbon Co., New York.
Columbia Caustic Soda; Soda Ash and By-Products. Pittsburgh Plate Glass Co., Columbia Chemical Division, Barberton, O.
Columbia Coal Chutes and Sidewalk Doors. Columbia Iron & Wire Works Co., Canton, O.
Columbia Coal Mining Picks. Warwood Tool Co., Warwood, Wheeling, W. Va.
Columbia Cotters and Keys. Hindley Mfg. Co., Valley Falls, R. I.
Columbia Cotton Rope. Anniston Cordage Co., Anniston, Ala.
Columbia Cultivators and Harrows. Brinly-Hardy Co., Louisville, Ky.
Columbia Cutters. W. R. Harrison Co., Massillon, O.
Columbia Disc Steel Wheels. Columbia Steel Wheel Co., Portland, Ore.
Columbia Dry Batteries Caustic Soda Cells; Brushes, Carbon. National Carbon Company, Inc., Long Island City, N. Y., Atlanta, Ga., Chicago, Cleveland, San Francisco, Cal.
Columbia Dumb Waiters. Speidel Elevator Corp., Reading, Pa.
Columbia Enclosed Safety Switches and Safety Motor Starting Switches. Columbia Metal Box Co., New York.
Columbia Engine Stops. Consolidated Engine Stop Co., New York.
Columbia Extension Clothing Carriers. Knape & Vogt Mfg. Co., Grand Rapids, Mich.
Columbia Family Scales. Landers, Frary & Clark, New Britain, Conn.
Columbia Fence Machines. Elliott & Reed, Richmond, Ind.
Columbia Fence. Pittsburgh Steel Co., Pittsburgh.
Columbia Filing Cabinets. Columbia Steel Equipment Co., Philadelphia, Pa.
Columbia Flour Sieves. Parker Wire Goods Co., Worcester, Mass.
Columbia Flour Sifters. Nat. Enameling & Stamping Co., New York.
Columbia Friction Tape. Electrical Material Co., Chicago.
Columbia Furnaces. Columbus Heating & Ventilating Co., Columbus, O. Fuller-Warren Co., Milwaukee, Wis.
Columbia Gas Gauges; Recording Thermometers; Recording Gauges; Hand Trachometers; Temperature Controllers. American Schaeffer and Budenberg Corp., Brooklyn, N. Y.
Columbia Grain Drills, Rice Planting Drills and Seeder Attachments. Wm. Fetzer Co., Springfield, Ill.
Columbia Grass Hooks. Columbia Cutlery Co., Reading, Pa.
Columbia Grease Cups, High Pressure Rod Packing. W. D. Allen Mfg. Co., Chicago.
Columbia High Pressure Rod Packing, Grease Cups, Lawn Sprinklers. W. D. Allen Mfg. Co., Chicago.
Columbia High Speed Steel. Columbia Tool Steel Co., Chicago Heights, Ill.
Columbia Hot Air Furnaces. Columbus Heating & Ventilating Co., Columbus, O.
Columbia Hot Shot Ignition Batteries. National Carbon Co., Long Island City, N. Y.
Columbia Ignitor Blasting, Dry and Ignition Batteries. National Carbon Co., Long Island City, N. Y.
Columbia Incandescent Electric Lamps. Columbia Lamp Division of G. E. Co., the Nat'l bldg., St. Louis.
Columbia Incandescent Lamps. Central Electric Company, Chicago.
Columbia Insulating Tape. Electrical Material Co., Chicago.
Columbia Lawn Mowers. American Lawn Mower Co., Muncie, Ind.
Columbia Lawn Swings. Specialty Mfg. Co., Titusville, Pa.
Columbia Leather Belting. Edw. R. Ladew Co., Inc., New York; Zimmer Belting Co., New York.
Columbia Lock Nuts and Washers. Columbia Nut & Bolt Co., Bridgeport, Conn.
Columbia Lock Nuts. Columbia Nut & Bolt Co., Bridgeport, Conn. U. S. Metal & Mfg. Co., New York.
Columbia Logging Tools. American Logging Tool Co., Evart, Mich.
Columbia Lubricators. American Lubricator Co., Detroit, Mich. W. D. Allen Mfg. Co., Chicago.
Columbia Marine Gears. Marine Mfg. & Supply Co., New York.
Columbia Meat Choppers. Peden Iron & Steel Co., Houston, Texas.
Columbia Multiple Ignition Batteries. National Carbon Co., Long Island City, N. Y.
Columbia Portland Cements. American Cement Co., Philadelphia, Pa.
Columbia Post Marking Mchy. Columbia Postal Sup. Co., Silver Creek, N. Y.
Columbia Pumps. Goulds Mfg. Co., Seneca Falls, N. Y.
Columbia Pyramid Brushes. National Carbon Company, Inc., Long Island City, N. Y., Atlanta, Chicago, Cleveland, O., San Francisco, Cal.
Columbia-Quality Steel Cabinets and Cut-Out Cabinets. Columbia Metal Box Co., New York.
Columbia Railway Motor Parts, Car Trimmings, Controller Handles and Parts, Line Material, Machinery and Truck Parts. Columbia Machine Works & Mall. Iron Co., Brooklyn, N. Y.
Columbia Recording Gauges, Thermometers, Temperature Regulators. Am. Schaeffer & Budenberg Mfg. Corp., Brooklyn, N. Y.
Columbia Recording Thermometers. American Schaeffer & Budenberg Corp., Brooklyn, N. Y.
Columbia Red Label Dry Batteries. National Carbon Co., Cleveland.
Columbia Screen Door Hinges. Columbian Hardware Co., Cleveland.
Columbia Screwdrivers. Cassady-Fairbanks Mfg. Co., Chicago.
Columbia Seeders and Sowers. Peoria Drill & Seeder Co., Peoria, Ill.
Columbia Shears. Columbian Cutlery Co., Reading, Pa.
Columbia Shingle Mill Machinery. Perkins & Co., Grand Rapids, Mich.
Columbia Shoe Lasts and Stands. Wrightsville Hdwe. Co., Wrightsville, Pa.
Columbia Shade Rollers. Columbia Mills, Inc., New Jersey, N. J.
Columbia Six Motor Cars. Columbia Motors Co., Detroit, Mich.
Columbia Square Grip Staybolt Chuck. Columbia Chuck & Tool Co., Chicago.
Columbia Steam and Hot Water Heaters. Columbia Heater Co., Paterson, N. J.
Columbia Steam Heaters. Jas. R. Vance, Geneva, N. Y.
Columbia Steam Traps. Watson & McDonald Co., Philadelphia.
Columbia Step Ladders. Bent Rung Ladder & Mfg. Co., Indiana, Pa.
Columbia Storage and Open Batteries, Arc Light Carbons, Testing Instrument Battery Connectors. National Carbon Co., Long Island City, N. Y.
Columbia Tank Pumps. Humphreys Mfg. Co., Mansfield, O.
Columbia Tire Air Pumps. Judd & Leland Mfg. Co., Clifton Springs, N. Y.
Columbia Tool Steel. Columbia Tool Steel Co., Chicago Heights, Ill.
Columbia Ventilators. E. E. Souther Iron Co., St. Louis.
Columbia Water Meters. Union Water Meter Co., Worcester, Mass.
Columbia White Enameled Steel Medicine Cabinets. Columbia Metal Box Co., New York.
Columbia Wire Link Fabric. Mattatuck Mfg. Co., Worcester, Mass.
Columbia Wrapped Fence. Pittsburgh Steel Company, Pittsburgh, Pa.
Columbian Anvils, Vises, Hinges, Door Pulls, Hot Air Registers and Non-Crawling Clamps. Columbian Hardware Co., Cleveland.
Columbian Blotting Paper. Eaton-Dikeman Co., Lee, Mass.
Columbian Brick Paints. Adams & Elting Co., Chicago.
Columbian Drinking Cups. United States Envelope Co., Worcester, Mass.
Columbian Catch Basins, Fire Hydrants, Manhole Covers, Meter and Valve Boxes, Sewer Inlets, Sluice Gates and Valves. Columbian Iron Wks., Chattanooga, Tenn.
Columbian Cotton Hose. Mechanical Rubber Co., New York.
Columbian Electric Lamp Hoods. National Metal Stamping & Mfg. Co., Newark, N. J.
Columbian Flag Pole Brackets. Nicol & Co., Chicago, Ill.
Columbian Foundry Facings. Columbian Facing Mills Co., Buffalo, N. Y.
Columbian Jr. Street Lighting Standards and Posts. Caldwell & Drake Iron Wks., Dept. H, Columbus, Ind.
Columbian Lighting Hand Hoist, Truck Tanks, Etc. Columbian Steel Tank Co., Kansas City, Mo.
Columbian Lubricators. Nathan Mfg. Co., New York; Wm. Powell Co., Cincinnati, O.
Columbian Mail Cranes and Catchers. Columbian Mail Crane Co., Columbus, O.
Columbian Manila and Sisal Rope, Twines. Columbian Rope Co., Auburn, N. Y.
Columbian Monopost Two Compartment Envelopes. DuPlex Onvelope Corp., Quincy, Ill.
Columbian One Pipe Warm Air Furnaces. Keeley Stove Co., Columbia, Pa.
Columbian Propeller Wheels and Propellers. Columbian Bronze Corp., New York.
Columbian Road Scrapers. Western Wheeled Scraper Co., Aurora, Ill.
Columbian Row-Locks. Wilcox, Crittenden & Co., Inc., Middletown, Conn.
Columbian Sight Feed Lubricators. Wm. Powell Co., Cincinnati, O.
Columbian Stoves. Keeley Stove Co., Columbia, Pa.
Columbian Street Lighting Standards and Posts. Caldwell & Drake Iron Wks., Dept H, Columbus, Ind.
Columbian Tape-Marked Pure Manila Rope. Columbian Rope Co., Auburn, N. Y.
Columbian Tire Benders. Champion Blower & Forge Co., Lancaster, Pa.
Columbian Wood Alcohol. A. L. Webb & Sons, Maryland Trust Bldg., Baltimore, Md.
Columbiana Pumps. Columbiana Pump Co., Columbiana, O.
Columbus Brass Elbow and Towel Bars. Columbus Brass Co., Detroit.
Columbus Canthooks, Pavement Cleaners and Post Hole Diggers. Columbus Handle and Tool Co., Columbus, Ind.
Columbus Concrete Carts, Concrete Barrows and Drag Road Scrapers. Kilbourne & Jacobs Mfg. Co., Columbus, O.
Columbus Die, Tools & Machines. The Columbus Die Tool & Machine Co., Columbus, O.
Columbus Farm Trucks and Wagons. International Harvester Co. of Am. Inc., Chicago.
Columbus Farm Wagons. International Harvester Company of America, Inc., Chicago.
Columbus File and Soldering Iron Handles. The Columbus Wood Turning Co., Columbus, Ind.
Columbus Galvanized Iron Ventilators. F. O. Schoedinger, Columbus, O.
Columbus Lead Pipe and Trap Machy. Pipe Reamers and Pipe Bending Machines. Columbus Mach. Wks., Columbus, Ind.
Columbus Oil Filters. F. A. Nusbaum, Lockland, O.
Columbus Steel Wagon Skeins. American Skein & Foundry Co., Racine, Wis.; Illinois Iron & Bolt Co., Carpentersville, Ill.
Columbus Sugar Cane Mills. Southern Plow Co., Columbus, Ga.
Columbus Valves. Columbus Brass Co., Columbus, O.
Columbus Ventilators and Wire Hangers. F. O. Schoedinger, Columbus, O.
Columbus Wagons. International Harvester Co. of America, Chicago, A. A. Cooper Wagon and Buggy Co., Dubuque, Iowa.
Colussus Products. James H. Rhodes & Co., Inc., Long Island City.
Colvin Interchangeable Hammers. Greene, Tweed & Co., New York.
Colvin Rawhide Hammers. Greene, Tweed & Co., New York.
Comaco Damp Resisting Paints. Goheen Corp. of N. J., Newark, N. J.
Comber Waterproof Belting. Geo. Rahmann & Co., New York.
Combination Anchor Leather Belting. Jos. C. Paulus & Co., Philadelphia, Pa.
Combination Bath Traps. Jos. H. Young Co., Boston.
Combination Belting Hose. Combination Rubber Co., Bloomfield, N. J.
Combination Cobbler's Outfit. Fate-Root-Heath Co., Plymouth, Ohio.
Combination Crushers, Grinders and Mills. N. P. Bowsher & Co., South Bend, Ind.
Combination Flue Brush and Scraper. Pilley Packing & Flue Brush Mfg. Co., St. Louis, Mo.
Combination Glass Insulators. Brookfield Glass Co., New York.
Combination Key Trucks. The Lansing Company, Lansing, Mich.
Combination Lawn Sprinklers. W. D. Allen Mfg. Co., Chicago.
Combination Oil Pumps. G. B. Essex Brass Co., Detroit, Mich.
Combination Packing. W. Chesterton Co., Boston.
Combination Power Ice Cream Freezers. North Bros. Mfg. Co., Phila.

Combination Pumps. Goulds Mfg. Co., Seneca Falls, N. Y.
Combination Reversible Hay Unloaders. The F. E. Myers & Bro., Ashland, O.
Combination Steam and Hydraulic Packing. A. W. Chesterton Co., Boston, Mass.
Combination Stop Valves. Foster Engineering Co., Newark, N. J.
Combination Tube Scraper. A. W. Chesterton Co., Boston, Mass.
Combined Cast Steel Draft Arm. Chicago Steel Car Co., Harvey, Ill.
Combined Bolsters and Resaws. The M. Garland Co., Bay City, Mich.
Combs' Electric Gyratory Riddles. Great Western Mfg. Co., Leavenworth, Kan.
Combs Foundry Riddles. Great Western Mfg. Co., Leavenworth, Kas.
Combusco Ash Handling Conveyor. Combustion Engng. Corp., New York.
Combusto Draft System. Van Kannel Revolving Door Co., New York.
Combusto Fuel Economizers. Combusto Devices Corp., New York.
Comdelcar Automobiles. Longford Co. of America, Cambridge, Mass.
Come-Along Linemen's Tools. Mathias Klein & Sons, Chicago.
Comet Alloy. Electric Alloy Co., Morristown, N. J.
Comet Bare and Insulated Resistance Wire. Electrical Alloy Co., Morristown, N. J.
Comet Boiler Gasket Packing. Squires & Byrne Rubber Co., San Francisco.
Comet Chain Wrenches. Hilts Wrench & Mfg. Co., Richford, N. Y.
Comet Cloth Inserted Packing. Hercules Rubber & Supply Co., San Francisco, Calif.
Comet Feed Cutters. Wilder Strong Implement Co., Monroe, Mich.
Comet Leather Belting, Rubber Belting. Webb Belting Co., Kansas City, Mo.
Comet Safety Fuse. E. I. du Pont de Nemours & Co., Inc., Explosives & Smokeless Powder Depts., Wilmington, Del.
Comet Spark Plugs. Oakes & Dow Co., Boston.
Comet Special Saiety Fuse. E. I. du Pont de Nemours & Co., Inc., Explosives and Smokeless Powder Depts., Wilmington, Del.
Comet Spot Light for Autos. Kay Bee Mfg. Co., Los Angeles.
Comet Valves. Phelps Bros. Co., New York.
Comet Water Heaters. Mustee Water Heater Co., Cleveland.
Comfort Brand Felts. H. F. Watson Co., Erie, Pa.
Comfort Buggy Aprons. Vehicle Top & Supply Co., St. Louis.
Comfort Chemical Closets. Comfort Chemical Closet Co., Toledo, O.
Comfort Deadening Felts. H. F. Watson Co., Erie, Pa.
Comfort Electric Portable Fans. Shedd Electric Co., Roselle, N. J.
Comfort Indoor Closet. Comfort Chemical Closet Co., Toledo, O.
Comfort Pencils. Eagle Pencil Company, New York.
Comfort Razors. S. R. Droescher, New York.
Comfort Rubber Heels. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Comfort Shoulder Protecting Automobile Robes. Comfort Auto Robe Co., Inc., Waterloo, N. Y.
Comfort Swing Chair Lawn Swings. Haggard & Marcusson Co., Chicago.
Comfort Water Closets. Pierce, Butler & Pierce Mfg. Corp., NewYork.
Comfy Eyeglasses and Spectacles. Winfield J. Taylor, Ord, Neb.
Comfy Slippers. Daniel Green Felt Shoe Co., Dolgeville, N. Y.
Comins Humidifying Apparatus. Am. Moistening Co., Boston.
Commander Canvas Belting. Goodyear Tire & Rubber Co., Akron, O.
Commander Drive Belts. The B. F. Goodrich Co., Akron, O.
Commander Rubber Belting. B. F. Goodrich Co., Akron, Ohio.
Commerce Motor Trucks. A. M. Tilden, Winter Haven, Fla.; Commerce Motor Car Co., Detroit, Mich.
Commercial Acetylene. Commercial Acetylene Welding Co., New York
Commercial Annular Ball Bearings. Sahatz Mfg. Co., Poughkeepsie N. Y.
Commercial Auto Bodies. Commercial Auto Body Co., St. Louis.
Commercial Babbitt Metal. V. Henning & Sons, Brooklyn, N. Y.
Commercial Black. L. Martin & Co., New York.
Commercial Blotting Paper. Jos. Parker & Son Co., New Haven, Conn.
Commercial Blue Print Paper. Frederick Post Co., Chicago.
Commercial Cable Codes. M. R. Bensinger Co., Inc., New York.
Commercial Flax Packing. General Asbestos & Rubber Co., Charleston, S. C.
Commercial Fountain & Stylographic Pens. Sanford Pen Co., Inc., Brooklyn, N. Y.
Commercial Milk Pumps. Davis-Watkins Dairymen's Mfg. Co., North Chicago.
Commercial Printer. R. A. Stewart & Co., New York.
Commodore Cotton Hose. Acme Rubber Mfg. Co., Trenton, N. J.
Common Proof B. B. Coil Chains. Columbus McKinnon Chain Co. Columbus, O.
Common Sense Bob Sleds. B. F. & H. L. Sweet Co., Fond du Lac, Wis.
Common Sense Carriage Fasteners. Carr Fastener Co., Boston.
Common Sense Cattle Stanchions. Olson Mfg. Co., Albert Lea, Minn.
Common Sense Clothes Baskets. Arthur J. Moore, Dept H., Wells River, Vt.
Common Sense Clothes Washers, Ironers & Reels. Johnson Elec. Washer Co., Oakland, Cal.
Common Sense Diaphragms and Plates. W. L. Brubaker & Bros. New York.
Common Sense Exhaust Heads. Strandwitz & Scott, Camden, N. J.
Common Sense Floor Scrapers. J. A. Kuster, Plymouth, Wis.
Common Sense Grate. Gibson Iron Works Co., Jersey City, N. J.
Common Sense Nail Pullers. Warner Hammer Co., Cromwell, Conn.
Common Sense Oil & Grease Cups. Michigan Lubrirator Co., Detroit.
Common Sense Paper Clips. L. F. Grammes & Sons, Allentown, Pa
Common Sense Power Hammer. Schuyler Mfg. Co., Oakland, Cal.
Common Sense Pumps. Chas. G. Blatchley, Philadelphia, Pa.
Common Sense Screw Plate. W. L. Brubaker & Bros., New York, A. J. Polk & Son Co., Millersburg, Pa.
Common Sense Tank Valves. Midland Brass Works, Ft. Worth, Tex
Common Sense Time Switches. Kennedy-Webster Co., Chicago.
Common Sense Window Cleaners. F. H. Smith Mfg. Co., Chicago.
Common Sense Window Ventilators. Glass Window Ventilator Wks., Chicago.
Commonwealth Farm Trucks. Abingdon Wagon Co., Abingdon, Ill.
Commonwealth Lawn Mowers. Worcester Lawn Mower Co., Worcester, Mass.
Commonwealth Ultra-4-Forty Motor Cars. Commonwealth Motors Co., Chicago.
Commulac (Insulating Varnish). The Martindale Electric Co., Cleveland. O.
Community Silverware. Oneida Community (Ltd.), Oneida, N. Y.
Como Pipe Wrenches. Mechanical Specialties Mfg. Co., Chicago.
Comos Brick & Rust Proof Paints. Durable Mfg. Co., New York.
Compact Folding Cots. Hard Mfg. Co., Buffalo.
Compacto Closets. Crane Co., Chicago.
Companion Lathe and Saw. Millers Falls Co., Millers Falls, Mass.
Compeb Mills for Special Grinding. Allis-Chalmers Mfg. Co., Milwaukee.
Competition Adjustable Drag Scrapers. Galion Iron Works & Mfg. Co., Galion, Ohio.
Competition Enameled Blotting Paper. Wrenn Paper Co., Middletown, Ohio.
Competitor Babbitt Metal. Lissberger Marks & Son, Long Island City, N. Y.
Competition Rubber Hose. Mechanical Rubber Co., Cleveland, O.; Whitehead Bros. Rubber Co., Trenton, N. J.
Complete Laundry Starch. Corn Products Refining Co., New York.
Compo-Board Wall Board. The Compo-Board Co., Minneapolis, Minn.
Compo Classic Wood Carvings. Western Builders' Supply Co., San Francisco.
Compo Metal Workers Crayon and Pencils. D. M. Stewart Mfg. Co., Chattanooga. Tenn.
Compo Paper Stapling Machines and Tag Tackers. The Compo Corp., Westpost, Conn.
Compoloid Sanitary Flooring. Compoloid Products Co., Wilkes-Barre, Pa.
Composite Valve Discs. Wm. Powell Co., Cincinnati, O.
Compound Gauge Glasses. Schaeffer & Budenberg Mfg. Co., Brooklyn.
Compound Metal Polish. Grady Mfg. Co., Astoria, N. Y.
Compressor Air Hose. Goodall Rubber Co., Philadelphia, Pa.
Compro Meter Switch. Wadsworth Electric Mfg. Co., Covington, Ky.
Compromise Rail Step Joints. Q. & C. Co., New York.
Compton Button Hole Cutters. W. H. Compton Shear Co., Newark, N. J.
Comsate Car Curtain Fixtures. Railway Curtain Co., Chicago.
Comsenco Cleaner. Franklin J. Kelly, San Francisco, Cal.
Comstock Air Compressors. Geo. S. Comstock & Son, Mechanicsburg Pa.
Comstock Shoveling Boards. Mandt Wagon Co., Stoughton, Wis.
Comptometer Adding and Calculating Machine. Felt & Tarrant Mfg. Co., Chicago.
Conay Padlocks. Fraim-Slaymaker Hardware Co., Inc., Lancaster, Pa.
Concave Molding Cutters. Morris L. Orum, Philadelphia, Pa.
Concavex Special Grinding Balls. Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Concealite Lighting Fixtures. Edwin F. Guth Co., St. Louis.
Concealo Kitchen Cabinets & Built-in Fixtures. Concealo Fixture Co., Oakland, Cal.
Concentra Ticket Cabinet. Ticket Office Equipment Co., New York.
Conco Cranes, Hoists, Trolleys, Cars, Grinders, Clay Products. H. D. Conkey & Company, Mendota, Ill.
Concord Belting. Page Belting Co., Concord. N. H.
Concord Carriage Axles. Lee & Porter, Buchanan, Mich.
Concord Carriages. C. A. Pinkham Carriage Co., Farmington, Me.
Concord Kitchen Enameled Ware. Strong Mfg. Co., Sebring, Ohio.
Concord Pruning Shears. Smith, Seymour & Son, Oakville, Conn.
Concord Radiators. Union Radiator Co., Johnstown, Pa.
Concrete Floor Dressing Brick Paints. Glidden Co., Cleveland, O.
Concrete Portland Cement. United States Portland Cement Co., Denver, Colo.
Concreto Closets. Crane Co., Chicago.
Concrewaltum Concrete Paint. The Goheen Mfg. Co., Newark, N. J.
Concro. Robeson Preservo Co., Pt. Huron, Mich.
Condensers Valves. Revere Rubber Co., Boston, Mass.
Condensite—a trade name owned by Bakelite Corp., New York. See Bakelite.
Condict Revolving Screens. Steele & Condict, Jersey City, N. J.
Condit Circuit Breakers. Condit Electrical Mfg. Co., South Boston, Mass.
Condo-Vac Return Line Vacuum Pump. Chicago Pump Co., Chicago.
Condor Belting. Manhattan Rubber Mfg. Co., Passaic. N. J.
Condor Special Tool Steel. Atlas Steel Corp., Dunkirk, N. Y.
Condulets Electric Service Fuse and Junction Boxes. Crouse-Hinds Co., Syracuse, N. Y.
Condulets Junction or Outlet Boxes. Crouse-Hinds Co., Syracuse, N. Y.
Condulette Fittings. Crouse-Hinds Co., Syracuse, N. Y.
Conduletto Porcelain Receptacles. Crouse-Hinds Co., Syracuse, N. Y.
Cone Automatic Four-Spindle Screw Machine. Cone Automatic Machine Co., Inc., Windsor, Vt.
Conesco Carbon and Alloy Steels, Welding Wire and Rods. Connecticut Electric Steel Co., Inc., Hartford, Conn.
Con-ex Piston Rings. Machine Products Co., St. Louis, Mo.
Conewago Insulating Paper. Keystone Roofing Mfg. Co., York, Pa.
Coney Luggage Carrier for Autos. Leather Mat Mfg. Co., Inc., San Francisco.
Congo Bagging. Atlantic Jute Mills, Norfolk, Va.
Congo Hose. Cincinnati Rubber Mfg. Co., Cincinnati, O.
Congo Rubber Hose, Rubber Packing. Cincinnati Rubber Mfg. Co., Cincinnati.
Congo Sheet Packing. W. H. Salisbury & Co., Chicago.
Congoleum Floor Coverings. Congoleum Co., Philadelphia, Pa.
Congress Belting. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Congress Leather Belting. Bennett-McGuire Belting Co., St. Louis, Mo.
Congress Playing Cards. U. S. Playing Card Co., Cincinnati.
Congress Water Closets. Jas. Barrett Mfg. Co., Boston.
Conite Insulating Material. Continental Fibre Co., Newark, Del.
Conklin's Fountain Pens. Conklin Pen Mfg. Co., Toledo.
Conley Frog. Conley Frog & Switch Co., Memphis, Tenn.
Conneaut Light Fixtures and Wiring Devices. Conneaut Metal Wks. Co., Conneaut, Ohio.
Conneaut Shovels. Conneaut Shovel Co., Conneaut, O.
Conneaut Wire Bound Boxes. Conneaut Can Co., Conneaut, O.
Connecticut Gears. Connecticut Gears, Inc., Waterbury, Conn.
Connecticut River Row Locks. Thos. Laughlin Co., Portland, Me.
Connecticut Spark Coils. Connecticut Telephone & Electric Co., Inc., Meriden, Conn.
Connecticut Universal Grinding Machines. The New Haven Sherardizing Co., Hartford, Conn.
Connecticut White Lime. Palmer Lime & Cement Co., New York.
Connelly Gas Check Valves. Connelly Iron Sponge & Governor Co., New York.
Connelly Water Tube Boilers. The D. Connelly Boiler Co., Cleveland, O.
Connersville Blowers and Pumps. Connersville Blower Co., Connersville, Ind.
Connellsville Coke. W. J. Rainey, New York.
Connellsville Coke Barrows. Connellsville Iron Wks., Connellsville, Pa.
Connersvile Electric Floor Scrubbing Machines and Vacuum Cleaners. Landers, Frary & Clark, (United Vacuum Appliance Div.), Connersville, Ind.
Connorized Word Music Rolls. United Music Stores, Philadelphia.
Conolly Loose Leaf Devices. Henry Conolly Co., Rochester, N. Y.

Conqueror Fire Hose. Henry K. Barnes Co., Boston, Mass.
Conqueror Paint & Varnish Remover. W. P. Fuller & Co., San Francisco.
Conqueror Rubber Hose. Voorhees Rubber Mfg. Co., Jersey City, N. J.
Conrads Shingle Stains & Waterproofing Materials. W. P. Conrad Co., Minneapolis.
Conradson Chucking Machines. Giddings & Lewis Mfg. Co., Fond du Lac, Wis.
Conradson Tool Posts. Phoenix Mfg. Co., Eau Claire, Wis.
Consapico Safety Pins. Consolidated Safety Pin Co., Bloomfield, N. J.
Con-Ser-Tex Canvas & Car Roofing. Wm. L. Barrell Co., New York.
Conserve Wood Preservative. Samuel Cabot., Inc., Boston, Mass.
Con-Ser-Vit Canvas Roofing. Wm. L. Barrell Co. of N. Y., Inc., New York.
Conservo Condensed Steam Canners. Toledo Cooker Co., Toledo, Ohio.
Conservo Steam Cookers. Toledo Cooker Co., Toledo, O.
Conserve Wood Preservative. Samuel Cabot, Inc., Boston, Mass.
Consol Asbestos Shingles. Consolidated Sheet Metal Wks., Milwaukee.
Consolco Sheet Packing. Western Packing & Supply Co., Chicago.
Consolidated Packings and Locomotive Valves. Consolidated Packing & Supply Co., New York.
Consolidated Safety Valves. Manning, Maxwell & Moore, Inc., New York.
Consolidated Valves, Heaters, Etc. Consoldiated Car Heating Co., Dept. H., Albany, N. Y.
Consolo Sheet Packing. Consolidated Packing & Supply Co., New York.
Consort Brass Oil Cups. Wm. Powell Co., Cincinnati, Ohio.
Constant Rubber Hose. Electric Hose & Rubber Co., Dept H., Wilmington, Del.
Consul Gas Mantles. Welsbach Light Co., Philadelphia, Pa.
Consular Seal Presses. Sigwalt Mfg. Co., Chicago.
Conteco Planers, Boring Machines, Milling Machines, Gear Rings, Rolling Colter Blades, Axles for Machinery, etc. Consolidated Steel Corp., New York.
Contest Rubber Hose. Voorhees Rubber Mfg. Co., Jersey City, N. J.
Continental Arc Lamps. Helio Mfg. Co., Philadelphia.
Continental Auto Machy., Straightening Presses. Continental Auto Parts Co., Columbus, Ind.
Continental Bakelite Fibre Specialties. Continental Fibre Co., Newark, Del.
Continental Bakelite Rail Joint Insulation, Vulcanized Fibre and Corite. The Continental Fibre Co., Newark, Del.
Continental Boiler. Milwaukee Boiler Mfg. Co., Milwaukee, Wis.
Continental Brattice Cloth, Brooms, Packing, Roofing. Colonial Supply Co., Pittsburgh.
Continental Cement. Continental Portland Cement Co., St. Louis.
Continental Cherry Red Front Brick. Continental Brick Co., St. Louis.
Continental Cocks and Bibbs. Federal-Huber Co., Chicago.
Continental-Erie Motorcycle Grips. Continental Rubber Works, Erie, Pa.
Continental Feed Water Purifiers. Frost Mfg. Co., Galesburg, Ill.
Continental Fresh Air Ventilators. Continental Co., Detroit, Mich.
Continental Grain Headers and Seeder Attachments. Massey-Harris Harvester Co., Batavia, N. Y.
Continental Lawn Mowers. Penna Lawn Mower Works, Philadelphia.
Continental Motor Trucks. Continental Truck Mfg. Co., Superior, Wis.
Continental Paper Bags. Continental Paper & Bag Mills, New York.
Continental Paste, Glue, Writing Inks and Labeling Machines. Continental Mfg. Co., Philadelphia.
Continental Red Seal Electric Automobile Motors. Continental Motor Corp., Detroit.
Continental Water Filters. New York Continental Jewell Filtration Co., Nutley, N. J.
Continental Whistling Post. U. S. Metal & Mfg. Co., New York.
Continental Window Screens. Continental Co., Detroit.
Continental Wood Stave Pipe. Continental Pipe Manufacturing Co., Seattle, Wash.
Continuous Corners Construction Brick, Ice Cream and Ice Cans. P. Wall Mfg. Supply Co., Pittsburgh.
Continuous Flow Air Lifts. Sullivan Machinery Co., Chicago.
Continuous Rail Joints. Rail Joint Co., New York.
Contractor Clam Shell Buckets. The Geo. Haiss Mfg. Co., Inc., New York.
Contractor's Mud Pump. A. A. Parker, Waterford, N. Y.
Contractors Special Road Scrapers. American Steel Scraper Co., Sidney, Ohio.
Contractor's Tool Cart. The Lansing Company, Lansing, Mich.
Con-Tro-La-Tor Electric Railway Controller regulators. Lord Mfg. Co., New York.
Controllite Lenses. Superlighting Co., New York.
Conult "Marconi." Canadian Marconi Co., Montreal, Canada.
Conus Oil Cups. American Galco Incorporated, New York.
Convalco Auger Bits; Car Bits; Expansion Bits; Etc. Connecticut Valley Mfg. Co., Centerbrook, Conn.
Converse Lock Pipe Joints. National Tube Co., Pittsburgh, Pa.
Converse Rotary Screen. E. S. Converse Co., Inc., Lestershire, N. Y.
Converso Air Drill Hose. Hewitt Rubber Co., Buffalo.
Converta Cap Attachment Plugs. Benjamin Electric Mfg. Co., Chicago.
Convertible Roadster Wagon. Auto-Wheel Coaster Co., Tonawanda, N. Y.
Convolt Tungsten Lamps. Vacuum Glass Co., Lynn, Mass.
Convoy Acetylene Tail Lamps. The R. E. Dietz Co., New York.
Conway Granites. Maine & N. H. Granite Corp., Red Stone, N. H.
Conway Patent Friction Clutches. Conway Clutch Co., The, Cincinnati, Ohio.
Conweigh Troughing and Return Idlers. The Conveying Weigher Co New York.
Conza Moving Picture Condensers. Corning Glass Works, Corning, N. Y.
Cook Electric Cooker. Cook Electric Heating Co., The, Cleveland.
Cook Electric Protectors. Frank B. Cook Co., Chicago.
Cook Levels. S. R. Jackson, Watertown, N. Y.
Cook Paints. Cook Paint & Varnish Co., Kansas City, Mo.
Cook Patent Brass Tube Well Strainer; Steam and Power Deep Well Pumps. A. D. Cook, Manufacturer, Lawrenceburg, Ind.
Cook Tube Cleaners. James A. Griffiths, Philadelphia.
Cook Quality Typewriter and Office Chairs. Cook Co., C. A., Cambridge, Mass.
Cook's Augers and Bits. Jas. Swan Co., Seymour, Conn.
Cook's Boiler Flue or Tube Cleaners. James A. Griffiths & Son, Philadelphia, Pa.
Cook's Bonding Drills. National-Standard Co., Niles, Mich.
Cook's Car Venilators. Vacuum Air Car Ventilating Co., Chicago.
Cook's Evaporating Pans and Syrup Evaporators. Southern Plow Co., Columbus, Ga.
Cook's Linoleum, Feltolin, Oil Cloth and Cork Carpet. Cook's Linoleum Co., Trenton, N. J.
Cook's Lubricant. Adam Cook's Sons, Inc., New York.
Cook's Magic Emery Grinders. National-Standard Co., Niles, Mich.
Cook's Maple Sugar Evaporators. C. S. Bell Co., Hillsboro, Ohio.
Cook's Metallic Packing. C. Lee Cook Mfg. Co., Louisville, Ky.
Cook's Steel Cattle Guards. Cook Standard Tool Co., Kalamazoo, Mich.
Cook's Tube Well Strainers. August D. Cook, Lawrenceburg, Ind.
Cook's Wing Dividers. Wm. Johnston, Newark, N. J.
Cookson Feed Water Heaters. Bates Machine & Tractor Co., Joliet, Ill.; A. D. Granger Co., New York.
Cookson Steam Traps and Separators. D. T. Williams Valve Co., Cincinnati, O.
Cook Steel Cattle Guard. Higgins & Company, Chicago.
Coolant Pumps. Fulflo Specialties Co., Blanchester, Ohio.
Cooley Cabinet Creamers. Vermont Farm Mach. Co., Bellows Falls, Vt.
Cooley Centrifugal Pumps. Buffalo Steam Pump Co., Buffalo, N. Y.
Cooley's Pump Valves. Cooley Mfg. Co., New York.
Coolidge X-Ray Tubes. Victor X-Ray Corp., Chicago; General Electric Co., Schenectady, N. Y.
Coon Core Packing. Cuncos Mfg. Co., Philadelphia, Pa.
Coon Pipe Joint Cements. Hinds & Coon, Boston.
Cooper Farm Wagons. A. A. Cooper Wagon & Buggy Co., Dubuque, Ia.
Cooper Gas Engines. The C. & G. Cooper Co., Mt. Vernon, O.
Cooper Hewitt Mercury Vapor Lamp. Cooper Hewitt Electric Co., Hoboken, N. J.
Cooper Hot Air Heater. The Cooper Heater Co., Carlisle, Pa.
Cooper Oven Thermometers. Cooper Oven Thermometer Co., Pequabuck, Conn.
Cooper Refrigeration System. Cooper-Madison Co., New York.
Cooper Storage Batteries. Cooper Storage Battery Mfg. Co., Cincinnati.
Cooper Trace Carriers. Frazer & Jones Co., Syracuse, N. Y.; North & Judd Mfg. Co., New Britain, Conn.
Coopers' Metallic Shingles. National Sheet Metal Roofing Co., Jersey City, N. J.
Cooper's Pipe Joint Compound. Cooper Sanitary Mfg. Co., Philadelphia, Pa.
Cooper's Sheep Dip. Wm. Cooper & Nephews, Chicago.
Coors U. S. A. Porcelain. Coors Porcelain Co., Golden, Col.
Coosa Cement. Coosa Portland Cement Co., Philadelphia.
Coosada Red Molding Sand. Kirkpatrick Sand & Cement Co., Birmingham, Ala.
Coover Rail Brace. Coover Railroad Track Brace Co., Dayton, Ohio.
Copaline Varnishes and Japans. Aug. P. Fuller Co., Portland, Me.
Copaloy Bearing Metal. Mich. Smelting & Refining Co., Detroit, Mich.
Copas Fixtures and Hardware. United Hardware Co., Boston, Mass.
Copeland Electric Refrigerators. Copeland Products, Inc. Flint, Mich.
Copes Boiler Feed Water Regulators. Andrews'Bradshaw Co., Pittsburgh, Pa.
Cope's Conduit Threading Machines, Wiring Rods, Cable Racks and Grounding Devices. T. J. Cope, Philadelphia.
Copes Feed Water Regulators and Pump Governors. Northern Equipment Co., Erie, Pa.
Copley Engine Primers. Bay State Pump Co., South Boston, Mass.
Copperweld Copper Clad Steel Wire Strand, Nails, Ground Rods, Bond Wires, Trolley Wire, Insulated Wire and Weatherproof Wire, Twisted Pair, Drop Wire. Copper Clad Steel Co., Rankin, Braddock P. O., Pa.
Copper Alloy Babbitt Metal. Pittsburgh Gage & Supply Co., Pittsburgh.
Copper Best Copper Paint. C. A. Woolsey Paint & Color Co., Jersey City, N. J.
Copper-Brazed Steel Tanks for High Pressure Work. Wm. B. Scaife & Sons Co., Pittsburgh, Pa.
Copper Clad Steel Signal, Telephone and Telegraph Wire (Bare and Insulated). Standard Underground Cable Co., Pittsburgh, Pa.
Copper Hardened Babbit Metal. Union Smelting & Refining Co., St. Charles, Newark, N. J.; V. Henning & Sons, Brooklyn, N. Y.
Copper Patent Metal Wheels. Western Wheelbarrow Mfg. Co., South Fort Smith, Ark.
Copper Queen Belting. Pioneer Rubber Mills, San Francisco.
Copper Queen Transmission Belting. Pioneer Rubber Mills, San Francisco, Cal.
Copperoid Galvanized Metal. Milwaukee Corrugating Co., Milwaukee, Wis.
Coppersert Electric Water Heaters. Electric Heating & Mfg. Co., Dept. H., Seattle, Wash.
CopperTin. Apollo Metal Works Institute, La Salle, Ill.
CopperZinc. Apollo Metal Works Institute, La Salle, Ill.
Coppus Steam Turbines & Turbo Blowers. Coppus Engnrg & Equipment Co., Worcester, Mass.
Coppus Turbo Boiler Feed Pumps and Blowers. Coppus Eng. & Equip. Co., Worcester, Mass.
Cop-Spotter Auto Mirrors. Berge & Co., Los Angeles, Cal.
Coptic Lavatories. Crane Co., Chicago.
Copygraph Pencils. Eagle Pencil Company, New York.
Copying Lathes. The Defiance Machine Works, Defiance, O.
Copying Pencils. Eagle Pencil Company, New York.
Cora Glass Shades. Consolidated Lamp & Glass Co., Coraopolis, Pa.
Coraline Gasoline and Fuel Oils. True's Oil Co., Spokane, Wash.
Coral Heating Stoves. B. C. Bibb Stove Co., Baltimore, Md.
Corbin-Brown Speedometers and Tachometers. Corbin Screw Corp., New Britain, Conn.
Corbin Duplex Coaster Brakes. Corbin Screw Corporation, New Britain, Conn.
Corbin Hardware Specialties. P. & F. Corbin, Dept. H. New Britain, Conn.
Corbin Locks. American Hardware Corp., New Britain, Conn.
Corbitt Motor Trucks. Corbitt Motor Truck Co., Henderson, S. C.
Corco Corrugated Metal Culverts. Whitaker-Glessner Co., Wheeling Corrugating Dept., Wheeling, W. Va.
Corco Fire Pail Tanks. Wheeling Corrugating Co., Wheeling, W. Va.
Corcoran Auto Lamps. Corcoran-Victor Co., Cincinnati, O.
Corcoran Joint Machine. Wipe Joint Machine Co., Cleveland, O.
Corcoran Tanks and Towers. A. J. Corcoran, Inc., Jersey City, N. J.
Cordeau Bickford Detonating Fuse. Hercules Powder Co., Wilmington, Del.
Cordesman Band Resaw. Wayne Machinery Co., Ft. Wayne, Ind.
Cordo Stripe Kraft Paper. The Union Paper & Twine Co., Cleveland.
Corduc Fabric Belting. Stockton Commission Co., Inc., New York.
Corduroy Excavating Machinery. Pawling & Harnischfeger Co., Milwaukee, Wis.
Cor-du-Roy Panel Strip Shingles. The Lehon Company, Chicago.
Corduroy Rubber Belt and Hose. W. H. Salisbury & Co., Inc., Chicago.
Cordovia Soda Fountains. Weber Show Case & Fixture Co., Los Angeles.
Corduroy Bond Paper. W. B. Oglesby Paper Co., Middletown, Ohio.
Core Ore Samplers. Denver Fire Clay Co., Denver, Colo.

Corey Fire Hydrants. Rensselaer Valve Co., Troy, N. Y.
Corinthian Standard Tungsten Lights for Cities. Flour City Ornamental Iron Co., Minneapolis, Minn.
Corinthian Texture Brick. The Everhard Co., Massillon, O.
Cork Insert Measuring Lines and Pulleys. Cork Insert Co., Boston.
Corker Cultivator. Racine-Sattley Co., Springfield, Ill.
Corkoline Cork Carpet. Scott & West Co., New York.
Corley Unions. Chandler Boyd Supply Co., Pittsburgh.
Corliss Belting. Voorhees Rubber Mfg. Co., Jersey City, N. J.
Corliss Compression Bibbs. Hoffman & Billings Mfg. Co., Milwaukee, Wis.
Corliss Cutting and Drilling Compounds and Wire Rope Coating. Corliss Mfg. & Supply Co., St. Louis.
Corliss Engine Stops. Consolidated Engine Stop Co., New York.
Corliss Steam Engines. Lane & Bodley Co., Cincinnati.
Cormley & Fils Embroidering Machines. O. J. Ahlstrom, New York.
Corn Belt Corn and Cob Mills and Feed Grinding Mills. Spartan Mfg. Co., Pontiac, Ill.
Corn Belt Corn Cribs. American Steel & Wire Co., Chicago.
Corn Belt Tractors. Corn Belt Tractor Co., Minneapolis.
Corn King Corn Husker. R. F. Clark Mfg. Co., Chicago.
Corn King Grain Graders. Martin Co., Sac City, Iowa.
Corn Queen Corn Huskers. R. F. Clark Mfg. Co., Chicago.
Corn Saver Steel Corn Cribs. Martin Steel Products Co., Mansfield, O.
Cornell Asphalt Roofing. Driscoll Bros. & Co., Ithaca, N. Y.
Cornell Cotton Hose. Voorhees Rubber Mfg. Co., Jersey City, N. J.
Cornell Rubber Roofing. Geo. Worthington Co., Cleveland, O.
Cornell Steel Fire Doors and Steel Rolling Shutters. Cornell Iron Works, New York.
Cornell-Wood-Board. Cornell Wood Products Co., Cornell, Wis.; Chicago
Corning Conaphore Headlight Glass. Corning Glass Wks., Corning N. Y.
Cornish Portable Boilers on Wheels. Godfrey Keeler Co., New York.
Cornwell Quality Tools. The Cornwell Quality Tools Co., Cuyahoga Falls, O.
Coro Core Compounds. The Buckeye Products Co., Cincinnati, O.
Coro-Noleum Disinfectant and Cleaner. West Disinfecting Co., New York.
Corol Rust Preventive. The Simoniz Co., Chicago.
Corona Blue Print Paper. Frederick Post Co., Chicago.
Corona Carbon Paper and Typewriter Ribbons. Corona Supply Co., Rochester, N. Y.
Corona Dry Arsenate of Lead. Corona Chemical Co., Milwaukee.
Corona Enameled Roasters. American Stamping & Enameling Co., Bellaire, Ohio.
Corona Glass Reflectors. Safety Car Htg. & Ltg. Co., New York.
Corona Insecticides. Pittsburgh Plate Glass Co., Pittsburgh, Pa.
Corona Packing. Voorhees Rubber Mfg. Co., Jersey City, N. J.
Corona Plumbago. Smith Facing & Supply Co., Cleveland.
Corona Typewriters. Corona Typewriter Co., Groton, N. Y.
Coronet Aluminum Hollow Ware. Geo. Borgfeldt & Co., New York.
Coronet Baths. Crane Co., Chicago.
Coronet Packing. Quaker City Rubber Co., Philadelphia, Pa.
Coronet Spiral Packing. Quaker City Rubber Co., Philadelphia.
Coronum Cement. George E. R. Rothenbucher, Woodhaven, N. Y.
Corotol Core Oil. Pennsylvania Linseed Products Co., Pittsburgh, Pa.
Corporal Garden Hose. Quaker City Rubber Co., Philadelphia, Pa.
Corporation Paints. National Roofing Co., Towanda, N. Y.
Corr-Mesh Fireproof Partitions. Corrugated Bar Co., Buffalo.
Correct Bond. Rockwell-Barnes Co., Chicago.
Correcto Urinals. Crane Co., Chicago.
Corrosion Cured Boiler Cleaner. Plant Rubber & Supply Co., San Francisco, Cal.
Corrosiron Acid Proof Castings and Pumps. Pacific Foundry Co., San Francisco.
Corrosiron Pipe. Pacific Foundry Co., San Francisco, Cal.
Corr-Bar-Units (Concrete Reinforcing Materials). Kalman Steel Co., Chicago.
Corr-Mesh (Expanded Metal Lath). Kalman Steel Co., Chicago.
Corr-Plate-Floor (flat slab construction). Corrugated Bar Co., Buffalo, N. Y.
Corr-Slab Bridge Units (Reinforcement for Highway Bridge Construction). Kalman Steel Co., Chicago.
Corr-X-Metal (Expanded Metal Lath). Kalman Steel Co., Chicago.
Corrugated Bars (Standard Reinforcement for Concrete Construction) Kalman Steel Co., Chicago.
Corrugated Expanded Metal Lath. Northwestern Expanded Metal Co. Chicago.
Corrugated Wire Glass. Pennsylvania Wire Glass Co., Philadelphia Pa.
Corry Check Valves. Trill Indicator Co., Corry, Pa.
Corsair Engine Lubricators. Wm. Powell Co., Cincinnati.
Corsair Garden Hose. Quaker City Rubber Co., Philadelphia.
Corsair Gas Engine Oilers. Wm. Powell Co., Cincinnati, O.
Corset Valve Discs. United Brass Mfg. Co., Cleveland, O.
Corsican Hose and Matting. Goodall Rubber Co., Philadelphia, Pa.
Corsteco Tubing. Cortland Steel Tube Co., Cortland, O.
Corsweve Face Brick. Thomas Moulding Brick Co., Chicago.
Corsyn Closets. Crane Co., Chicago.
Cortex Clutch Facing. Hide Leather & Belting Co., Indianapolis, Ind
Cortland Window Screen Wire Cloth. Wickwire Bros., Cortland, N. Y.
Cortland Wire Cloth. Wickwire Bros., Cortland, N. Y.
Corto Hot Water Radiators. Am. Radiator Co., Chicago.
Cortright Hand Dipped Shingles. Cortright Metal Roofing Co., Phila.
Cortright Metal Shingles. Cortright Metal Roofing Co., Philadelphia Pa.
Coruco Insulating Tape. Consumers Rubber Co., Cleveland, O.
Corvus (Texaco) Lubricating Oil. The Texas Co., New York.
Corwith Lavatories. Crane Co., Chicago.
Corydon Farm Wagons. Keller Mfg. Co., Corydon, Ind.
Cosmic Rust Preventives. E. F. Houghton & Co., Philadelphia, Pa.
Cosmo Time Stamps. A. D. Joslin Mfg. Co., Chicago.
Cosmolac Varnish. John W. Masury & Son, Brooklyn, N. Y.
Cosmolubic Lubricating Oil. E. F. Houghton & Co., Philadelphia, Pa
Cosmos Babbitt Metal. Lumen Bearing Co., Buffalo, N. Y.
Cosmos Egg and Cream Beaters. Novelty Mfg. Co., Waterbury, Conn.
Cosmos Glass Tile. Opalite Tile Co., Monaca, Pa.
Cosmos Plaster Board. Ruberoid Co., New York.
Cosper Brake Handles. Lord Electric Co., New York.
Costa Druggists Rubber Goods. Myers Mfg. Co., Fremont, O.
Costmeter Index and Guide Cards. Postindex Co., Boston.
Coston Line Throwing Gun; Davit Turning Gear. Coston Signal Co., New York.
Cosy Safe Garage Heater. The Superior Mfg. Co., Pittsburgh, Pa.
Cotelco Annunciators. S. H. Couch Company, Inc., Norfolk Downs, Mass.
Cotenamel Enamel and Cotton Covered Magnet Wire. Belden Mfg. Co., Chicago.
Cotex Building Paper. The Barrett Co., New York.
Cotoco Condensers and Socket Extension. Coto-Coil Co., Providence, R. I.
Cotta-a-Lap Burlap. Cotta-a-Lap Co., Somerville, N. J.
Cotta Transmissions and Gears for Motor Trucks and Tractors. Cotta Transmission Co., Rockford, Ill.
Cottage Cinder Shovels. Lalance & Grosjean Mfg. Co., New York.
Cottage Home Hot Air Furnaces. Hood Furnace & Supply Co., Corning, N. Y.
Cottage Lawn and Garden Fencing. Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Cotter's Engine Valves. Handlan-Buck Mfg. Co., St. Louis.
Cotton-Clad Weatherproof Wire. Peerless Insulated Wire & Cable Co., New York.
Cotton Fuse. E. I. du Pont de Nemours & Co., Inc., Exlosives and Smokeless Powder Depts., Wilmington, Del.
Cotton King Typewriter Ribbons. Duplico Mfg. Co., New Brunswick, N. J., Pen-Carbon Manifold Co., New Brunswick, N. J.
Cotton Wood Stoves. Pittston Stove Co., Pittston, Pa.
Cottonite Magnet Wire. Acme Wire Co., New Haven, Conn.
Couch Telephones, Tilting Mail Boxes. S. H. Couch Co., Inc., Norfolk Downs, Mass.
Coulson Ventilating Systems. J. W. Coulson & Co., Columbus, O.
Coulter Nut Tapping Machines. Automatic Machine Co., Bridgeport, Conn.
County Seal Presses. Sigwalt Mfg. Co., Chicago.
Couple Gear Motor Trucks. Couple-Gear Electric Truck Co., Grand Rapids, Mich.
Couse Lubricators. Eastwood Wire Mfg. Co., Belleville, N. J.
Coventry Drive Chains. Coventry Chain Co., Ltd., Coventry, Eng.
Coventry Noiseless Chain. H. F. L. Funke Co., Inc., New York.
Coverall Paints. Clement Coverall Co., Camden, N. J.
Cover's Respirator and Goggles. H. S. Cover, South Bend, Ind.
Covert Fireplace Dampers. H. W. Covert Co., New York.
Covert Transmissions. Covert Gear Co., Inc., Lockport, N. Y.
Covert's Jacks and Harness Snaps. Covert Mfg. Co., Troy, N. Y.
Covert's Victor Jacks. Covert Mfg. Co., Troy, N. Y.
Covington Drill Head. Covington Multiple Drill Co., Cincinnati, O.
Covington Plate Shears; Coke Handling Machinery, Punches and Shears. Covington Machine Co., Covington, Va.
Covington Pig Iron. Low Moor Iron Co., Low Moor, Va.
Covington Shears and Mining Machinery. Covington Machine Co., Covington, Va.
Covington Ventilators. Moeschl-Edwards Corrugating Co., Cincinnati, O.
Cow Bay Waterproof Cement. Waterproofing Co., The, New York.
Cow Boy Duck. Cliver-Wright-Rainey Co., Cincinnati, O.; Wm. L. Barrell Co. of N. Y., Inc., New York.
Cow Boy Tank Heaters. Wills Mfg. Co., Mendota, Ill.
Cow Comfort Cattle Stanchions. Louden Machinery Co., Fairfield, Ia.
Cow Hide Overalls. Southern Mfg. Co., Charlotte, N. C.
Cowan Hand Lift Trucks; Electric Lift Trucks; Load Carrying Trucks and Tractors; Skids. Cowan Truck Co., Holyoke, Mass.
Cowan Hose Couplings. Elkhart Brass Mfg. Co., Elkhart, Ind.
Cowan Transmobile. Cowan Truck Co., Holyoke, Mass.
Cowboy Portland Cement. Western States Portland Cement Co., Independence, Kans.
Cow-Ease Cattle Spray. Carpenter & Morton Co., Boston, Mass.
Cowell's Spring Hinges. Barlow Foundry Co., Newark, N. J.
Cowen Air Drill Suction and Rubber Hose. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Cowen Rubber Hose. Boston Woven Hose & Rubber Co., Cambridgeport, Mass.
Cowles Milling Cutters. Combs Tool Co., Cleveland.
Cowmatic Feed and Litter Carriers, Steel Stalls, Stanchions, Pens and Stock Fountains. Cowmatic Corp., Lynchburg, Va.
Cox Electric Spark Arresters. Silverton Blow Pipe Co., Silverton, Ore.
Cox Welding and Decarbonizing Equipment. Cox Brass Mfg. Co., Albany, N. Y.
Coxe Anthracite Mechanical Stokers. Combustion Engineering Corp., New York.
Coxe Stokers. Combustion Engineering Corp., New York.
Coxe Traveling Grate. Schumaker-Santey Co., Boston, Mass.
Co-zee Tire Covers and Automobile Trimmings. Omaha Auto Top Co., Omaha, Neb.
Cozy Glow Electric Heaters. Westinghouse Elec. & Mfg. Co., East Pittsburgh, Pa.
Cozy Pipeless Furnaces. Schill Bros. Co., Crestline, O.
Crack Proof Vanner Belts and Garden Hose. Pioneer Rubber Mills, San Francisco, Cal.
Cracker Jack Belt Dressing. Manufacturers' Belt Hook Co., Chicago.
Cracker Jack Tank Heaters. Hunt, Helm, Ferris & Co., Harvard, Ill.
Cracker Jack Nail Hammers. Franklin Brass Fdy. Co., Reading, Pa.
Crackerjacks Stoves. Birmingham Stove & Rge. Co., Birmingham, Ala.
Crackproof Rubber Hose. Pioneer Rubber Mills, San Francisco.
Cradle Automobile Trunk Racks. Motor Car Supply Co., Chicago
Craftex Wall Finish. Simmons, Gardner Co., Boston.
Crafts Black Diamond Carbons. Arthur A. Crafts & Co., Boston.
Craftsman Pipe Wrenches. Coleman Railway Sup. Co., New York.
Crago Clutch Trap. Missoula Clutch Trap Co., Missoula, Mont.
Craig Automatic Swing Basin Faucets. David Craig, Boston.
Craig Cast Iron, Sectional Boilers. Williamsport Radiator Co., Williamsport, Pa.
Craig Damper Regulator. The Craig Damper Regulator Co., Detroit, Mich.
Craig Steam Heaters. Burley Heater Co., Tyrone, Pa.; Williamsport Radiator Co., Williamsport, Pa.
Craig Steam and Water Heaters. Stand. Heater Co., Willimsport, Pa.
Crain Universal Wood Working Machines. Buffalo Forge Co., Buffalo.
Craine Silos, Tanks, Bins, Etc. Craine Silo Co., Inc., Norwich, N. Y.
Crakerjac Rope Cutter. Vonnegut Hdw. Co., Indianapolis, Ind.
Cram Pile Drivers' Hammers. A. F. Bartlett & Co., Saginaw, Mich.
Cramp Metals. The Wm. Cramp & Sons Ship & Engine Bldg. Co., Philadelphia, Pa.
Cramps All Non-Ferrous Metals, Brass, Bronze, Etc. Wm. Cramp & Sons Ship & Engine Building Co., Philadelphia.
Cranberry Pig Iron. Cranberry Furnace Co., Johnson City, Tenn.
Crandall Can, Barrel and Drum Filling Machines. Crandall Can Filler Mach. Co., Buffalo, N. Y.
Crandall Foundry Cupolas. Detroit Foundry Co., Detroit.
Crandon Heat Regulators. Crandon Mfg. Co., Portland, Me.
Crane & Breed Hearses. Crane & Breed Mfg. Co., Cincinnati.
Crane Basic Pig Iron. Empire Steel & Iron Co., Catasauqua, Pa.
Crane Drilling Machines, Saw Benches and Oscillographs. Harold G. Crane, Adrian, Mich.
Crane Engine Driven Tire Pumps. The Bay State Pump Co., Boston, Mass.
Crane L. P. Pig Iron. Empire Steel & Iron Co., Catasauqua, Pa.

Crane Manicure Sets, Razors, Pocket Knives, Shears and Scissors. Max Klass, New York.
Crane Oils. L. M. Crane & Co., Boston, Mass.
Crane Pig Iron. Empire Steel & Iron Co., Catasauqua, Pa.
Crane Pipe Joint Cement. Pipe Threading Machines, R. R. Unions, Fittings, Hydraulic Valves. Crane Co., Chicago.
Crane Typewriter Paper. Eaton, Crane & Pike Co., Pittsfield, Mass.
Crane Wheel and Gear Puller. The Crane Puller Co., Arlington, Mass.
Crane's Toasters. Wm. M. Crane Co., New York.
Cranetilt Traps. Crane Company, Chicago.
Cranite Gaskets. Crane Company, Chicago.
Cranite Sheet Asbestos Packing. Crane Co., Chicago.
Crank Padlocks. Fraim-Slaymaker Hardware Co., Lancaster, Pa.
Crank Windlasses. Thos. Laughlin Co., Portland, Me.
Cranson Grain Cleaners. Huntley Mfg. Co., Silver Creek, N. Y.
Cranston Printing Presses. Peerless Printing Press Co., Palmyra, N. Y.
Crary's Rain Water Cut-offs. Conductor Fitting Co., Marietta, O.
Crasco Industrial Silos. Craine Silo Co., Inc., Norwich, N. Y.
Crater Hot Air Furnaces. Sprague Fdy. & Mfg. Co., Council Bluffs, Ia.
Crater (Texaco) Gear and Wire Rope Compound. The Texas Company, New York.
Cravath Long Distance Osgood Lens. Osgood Lens & Supply Co., Chicago.
Cravenette Front Brick. Standard Brick Co., Macon, Ga.
Cravens Barrel Trucks. Barrett-Cravens Co., Chicago.
Cravanette Mackintoshes, Rain Coats. Stoughton Rubber Co., Boston.
Crawdad Mine Car Coupler. National Car Coupler Co., Attica, Ind.
Crawford Boilers and Furnaces. Walker & Pratt Mfg. Co., Boston, Mass.
Crawford Combination Pipe Vises. Joseph H. Young Co., Boston.
Crawford Gas Regulators. Equitable Meter Co., Pittsburgh, Pa.
Crawford Curd Extractors. Empire Laundry Machinery Co., Boston.
Crawford Enameling Ovens, Fuel Gas Burners and Steel Trucks. Oven Equipment & Mfg. Co., New Haven, Conn.
Crawford Gas Governors and Pressure Regulators. Equitable Meter Co., Pittsburgh.
Crawford Gas Ranges, Hot Air Furnaces, Steam and Hot Water Heaters. Walker & Pratt Mfg. Co., Boston.
Crawford Induction Motors. Durgin Co., Wm. B., Concord, N. H.
Crawford Sectional Ovens. Oven Equip. & Mfg. Co., New Haven, Conn.
Cray Horse Shoes. Cray Bros., Cleveland.
Crayola Crayons. Binney & Smith Co., New York.
Crayonast Crayons. American Crayon Co., Waltham, Mass.
Crayonex School Crayons. American Crayon Co., Sandusky, Ohio.
Creaghead Flexible Trolley Brackets. Creaghead Engr. Co., Cincinnati.
Creaghead Insulated Brackets. Insular Pins. Creaghead Engineering Co., Cincinnati, O.
Creaghead Insulator Pins, Trolley Line Materials and Trolley Wire Hangers. Creaghead Engineering Co., Cincinnati.
Cream City Ash and Garbage Cans, Electric Welding Machines, Oil Cans, Sink Strainers. Geuder, Paeschke & Frey Co., Milwaukee.
Creamery Package Ammonia Compressors and Refrigerating Machines. Creamery Package Mfg. Co., Chicago.
Creasy Peanut Threshers. Cardwell Mach. Co., Richmond, Va.
Crebeko Patented Wrot Iron Elevator. Cree-Becker Oil Tool Company, The, East Newark, Ohio.
Creco Brake Beams, Railroad Specialties, Roller Side Bearings, Chicago Railway Equip. Co., Chicago.
Cred-O-Graph Register and Account File. The Globe Register Co., Cincinnati, O.
Creed Patent Prune Picker. Automatic Fruit Collector Co., Monte Vista, Calif.
Creeping Grip Gasoline Traction Engines. Bullock Tractor Co., Chicago.
Crefectant Disinfectants. Standard Chemical Co., Houston, Tex.
Crefenol Disinfectants. American Oil & Disinfectant Co., New York.
Cremone Window Spring Bolts. Stanley Wks., New Britain, Conn.
Creo-Dipt Stained Shingles. Creo Dipt Co., Inc., North Tonawanda, N. Y.; Standard Stained Shingle Co., North Tonawanda, N. Y.
Creola Sheep Dips. Van Tilberg Oil Co., Minneapolis.
Creolol Disinfectant. White Tar Co., of N. J., New York.
Creole Marble. Georgia Marble Co., Tate, Ga.
Creole Packing. Pennsylvania Rubber Co., Jeannette, Pa.
Creonoid Fly Spray and Lice Destroyer. The Barrett Co., New York.
Creonox Disinfectant. Hoosier Mfg. Co., Indianapolis, Ind.
Creo-Pine Cross Arms Conduit, Floor Blocks, Fence Posts and Timbers. Southern Wood Preserving Co., Atlanta, Ga.
Creosanthol Disinfectants. Brewer & Co., Worcester, Mass.
Creoseptine Wood Preservative. W. P. Conrad Co., Minneapolis.
Creosote Shingle Stains. Samuel Cabot, Inc., Boston.
Creotarine Disinfectant. Duffo, Clausen & Co., New York.
Crepaco Creamery Testers. Creamery Package Co., Chicago.
Crescendo Electric Bells. Manhattan Electrical Sup. Co., New York.
Crescent Adamantine Steel Pins. Crescent Brass & Pin Co., Detroit, Mich.
Crescent Automatic Float Valves. Phelps Bros. Co., New York.
Crescent Babbitt Metal. More-Jones Brass & Metal Co., St. Louis, Mo.
Crescent Ball Bearing Axles. Coppins, Scott R., Princeton, Ill.
Crescent Ball Cocks and Galvanized Iron Range Boilers. Cahill, Swift Mfg. Co., St. Louis.
Crescent Bank Pins. Crescent Brass & Pin Co., Detroit, Mich.
Crescent Basin Clamps. Haines, Jones & Cadbury Co., Philadelphia, Pa.; Trenton Brass & Mach. Co., Trenton, N. J.
Crescent Basin Clamps. Trenton Brass & Mach. Co., Trenton, N. J.
Crescent Belt Fasteners and Rivets. Crescent Belt Fastener Co., New York.
Crescent Belt Knives. American Tool & Machine Co., Boston.
Crescent Belt Lacing. Graton & Knight Mfg. Co., Worcester, Mass.
Crescent Belts. Fairbanks, Morse & Co., Chicago.
Crescent Black. L. Martin Co., New York.
Crescent Blankets. Oliver-Wright-Rainey Co., Cincinnati, O.
Crescent Boat Anchors and Bilge Pumps. Chas. D. Durkee & Co., New York.
Crescent Boiler Compound. Crescent Oil & Supply Co., St. Louis, Mo
Crescent Brand Brass and Copper Tubing. Wheeler Condenser & Eng'g Co., Carteret, N. J.
Crescent Brand Bronze Powder. A. Sartorius & Co., New York.
Crescent Brand Canned Goods. F. E. Booth Co., San Francisco.
Crescent Brazing Solder. North American Smelting Co., Phila.
Crescent Brand Fire Brick. Bickford Fire Brick Co., Curwensville, Pa.
Crescent Butchers' Machy. and Supplies. Brecht Co., St. Louis.
Crescent Can Openers. Browne & Dowd Mfg. Co., Meriden, Conn.
Crescent Cement Crescent Portland Cement Co., Wampum, Pa.
Crescent Closet Seats. C. F. Church Mfg. Co., Holyoke, Mass.
Crescent Coat and Hat Hooks. E. Jencks Mfg. Co., Worcester, Mass.
Crescent Colonel Golf Balls. St. Mungo Mfg. Co., Newark, N. J.
Crescent Concrete Mixers and Molds for Drain Tile. Raber & Lang Mfg. Co., Kendallville, Ind.
Crescent Concrete Rollers and Paving Tools. Crescent Tool Mfg. Co., St. Louis.
Cresoent Cork Board and Cork Tile Insulation. United Cork Cos., New York.
Crescent Corkboard, Insulation, Granulated Cork, Cork Tile Flooring. United Cork Companies, Lyndhurst, N. J.
Crescent Damp-Proofing. Ceresit Waterproofing Corp., Chicago.
Crescent Daters. R. A. Stewart & Co., New York.
Crescent Door Hangers. Richey, Brown and Donald, Maspeth, N. Y.
Crescent Egg Case Fillers. Creamery Package Mfg. Co., Chicago.
Crescent Ejectors and Jet Pumps. Stephens Mfg. Co., Detroit, Mich.
Crescent Electric Bells. Manhattan Electrical Sup. Co., New York.
Crescent Electric Tractors and Trucks. The Crescent Truck Co., Lebanon, Pa.
Crescent Emery Wheel Cutter. Curtin-Hebert Co., Gloversville, N. Y.
Crescent Expansion Bolts. F. H. Evans (Est. of), Brooklyn, N. Y.
Crescent Farm Wagons. Mandt Wagon Co., Stoughton, Wis.
Crescent Feed Carriers. Jos. Dick Mfg. Co., Canton, O.
Crescent Fire Clay Brick and Dust. Crescent Refractories Co., Curwensville, Pa.
Crescent Fountain Sprinkler. L. R. Nelson, Peoria, Ill.
Crescent Fuse. E. I. du Pont de Nemours & Co., Inc., Explosives and Smokeless Powder Depts., Wilmington, Del.
Crescent Glass and Dish Washers, Metal Parts Washing Machine. Crescent Washing Machine Co., New Rochelle, N. Y.
Crescent Grinding and Polishing Machines. Columbia Mfg. Co., Belleville, Ill.
Crescent Ground Cross Cut Saws. Simonds Saw & Steel Co., Fitchburg, Mass.
Crescent Hand Lanterns. R. E. Dietz Co., New York.
Crescent Headlight Burners. M. Kirchberger & Co., New York.
Crescent Hoes. American Fork & Hoe Co., Cleveland.
Crescent Hose; Mats; Valves. The Diamond Rubber Co., Inc., Akron, Ohio.
Crescent Hose Reels. Cardington Cabinet Co., Cardington, Ohio.
Crescent Hydrant and Pumps. Goulds Mfg. Co., Seneca Falls, N. Y.
Crescent Incandescent Lamp Guards, Portable Lamp Guards and Soldering Paste. McGill Mfg. Co., Valparairo, Ind.
Crescent Incubators and Brooders. Des Moines Incubator Co., Des Moines, Ia.
Crescent Industrial Thermometers. American Schaeffer & Budenberg Corp., Brooklyn.
Crescent Lamp Glass Chimneys. Macbeth-Evans Glass Co., Pittsburgh.
Crescent Lavatories and Fittings. Sanitas Mfg. Co., Boston.
Crescent Lubricators. American Lubricator Co., Detroit.
Crescent Lubricators and Valves. Wm. Powell Co., Cincinnati.
Crescent Lug Straps. E. H. Jacob Mfg. Co., Danielson, Conn.
Crescent Mantles. Milwaukee Incandescent Light Co., Milwaukee, Wis.
Crescent Metal Lath, Open Hearth Steel Sheets and Oil Cans. Wheeling Corrugating Co., Wheeling, W. Va.
Crescent Metals. North American Smelting Co., Philadelphia.
Crescent Metal Polish. Colgan Mfg. & Supply Co., New York.
Crescent Metallic Packing. Harry Vissering & Co., Chicago.
Crescent Packing. Greene, Tweed & Co., New York.
Crescent Patternmakers' Fillet. Wellman Products Co., Cleveland.
Crescent Pipe and Tile Molds. Raber & Lang Mfg. Co., Kendallville, Ind.
Crescent Pipe and Tubing. Wheeler Condenser & Engineering Co, W. Carteret, N. J.
Crescent Pitch and Felt. Warren Chemical Div., The Barrett Company, New York.
Crescent Polishing Machines and Tool Grinders. J. C. Born & Bro., Belleville, Ill.
Crescent Portland Cement. Crescent Portland Cement Co., Wampum, Pa.
Crescent Power Drag Scraper. Sauerman Bros., Chicago.
Crescent Ring Lawn Sprinklers. L. R. Nelson, Peoria, Ill.
Crescent Rubber Hose. Boston Belting Co., Boston, Mass.
Crescent Safety Fuse. Du Pont de Nemours & Co., E. I., Inc., Explosives & Smokeless Powder Depts., Wilmington, Del.
Crescent Saw Sharpeners. Riverside Machine Wks., Kokomo, Ind.
Crescent Screw Drivers, Saws, Bits, Chisels and Glass Cutters. Crescent Co., Inc., Meriden, Conn.
Crescent Shade Cloth. Columbia Mills, Inc., New York.
Crescent Sheet Packing. Boston Belting Corp., Boston.
Crescent Sight Feed Lubricators. American Lubricator Co., Detroit.
Crescent Solder. North American Smelting Co., Inc., Philadelphia, Pa.
Crescent Soldering Compounds, Paste and Salts; Lamp Coloring Fluid. McGill Mfg. Co., Valparaiso, Ind.
Crescent Steam Meters, Traps, Expansion Joints and Vacuum and Vapor Valves. W. H. Pearce & Co., Chicago.
Crescent Steel Windows. Crescent Steel Co., St. Louis, Mo.
Crescent Stove Pipe and Elbows. Jackes-Evans Mfg. Co., St. Louis.
Crescent Thermometers. American Schaeffer and Budenberg Corp., Brooklyn, N. Y.
Crescent Togglebolt. McGill Mfg. Co., Valparaiso, Ind.
Crescent Tools. Crescent Co., Meriden, Conn.
Crescent Tool Steel. Crucible Steel Co. of America, Pittsburgh, Pa.
Crescent Tubes and Pipes. Wheeler Condenser & Engr. Co., Carteret, N. J.
Crescent Turpentine. Busch & Jolles, Inc., Savannah, Ga.
Crescent Universal Pliers. Crescent Tool Co., Jamestown, N. Y.
Crescent Universal Wood Working Machines. Louis E. Rechtin & Bro., Cincinnati.
Crescent Valves, Lubricators. Wm. Powell Co., Cincinnati, O.
Crescent Ventilators. Friedley-Voshart Co., Inc., Chicago.
Crescent Washing Machines. Crescent Washing Machine Co., New Rochelle, N. Y.
Crescent Waterproofing. Ceresit Waterproofing Corp., Succeeding Crescent Sales & Mfg. Co., Chicago.
Crescent Welding Compound. Anti-Borax Compound Co., Ft. Wayne, Ind.
Crescent Window Shades. Talbert-Whitmore Co., Los Angeles.
Crescent Wire Belt Lacing. Columbia Novelty Mfg. Co., St. Louis, Mo.
Crescent Wire Rope. American Cable Co., Inc., New York.
Crescent Wire Rope Cables and Accessories. Geo. C. Moon Co., Garwood, N. J.
Crescent Woodworking Machinery. The Crescent Machine Co., Leetonia, O.
Crescent Wrenches, Pliers and Nippers. Crescent Tool Co., Jamestown, N. Y.
Crescent X X Buffing Compositions. S. A. Day Mfg. Co., Buffalo.

Crescents Mantles. Milwaukee Incandescent Light, Milwaukee.
Crescus Wall Plaster. Toledo Builders Supply Co., Toledo.
Cresol Disinfectants. Cresol Chemical Co., Brooklyn, N. Y.
Cresolac Transparent Waterproofing. Ceresit Waterproofing Corp., Succeeding Crescent Sales & Mfg. Co., Chicago.
Cresolene Disinfectant. Clifton Chemical Co., New York.
Cresonol Disinfectants. Brewer & Co., Worcester, Mass.
Cresotint Shingle Stain. Campbell Glass & Paint Co., St. Louis, Mo
Cresson-Morris Hangers. Cresson-Morris Co., Philadelphia, Pa.
Crest Light Crayons. Standard Crayon Mfg. Co., Danvers, Mass.
Crest White Kalsomine. The Reardon Company, St. Louis, Mo.
Crestlawn Lawn Mowers. F. & N. Lawn Mower Co., Richmond, Ind.
Creta Drinking Fountain. Crane Company, Chicago.
Creuco Dry Cell Batteries. Creaghead Engineering Co., Cincinnati, O.
Crew Levick Lubricants. Crew Levick Co., Philadelphia, Pa.
Cre-Wood Wood Preserving Oils. Forests Products Chemical Co., Memphis, Tenn.
Cresy-Lol Disinfectants and Insecticides. A. R. Maas Chemical Co., Los Angeles.
Cresy-Pole Sheep Dips. Peerless Stock Powder Co., Falls City, Neb.
Crew Lubricating Oils. Crew Levick Co., Philadelphia.
Crewson Pneumatic Gong Ringer. Dayton Mfg. Co., Dayton, O.
Crex Columns. Crex Patent Column Co., Chicago.
Crex Grass Rugs, Carpets and Runners. Crex Carpet Co., New York
Cricket Sawing Machines. Millers Falls Co., New York.
Crimpedge Eaves Trough. Milwaukee Corrugating Co., Milwaukee, Wis.
Crimson Sulphuret of Antinomy. Harshaw, Fuller & Goodwin Co., Cleveland.
Crinklet Paper Towels (for household use). National Paper Products Co., San Francisco, Calif.
Crisco Cooking Fat. Proctor & Gamble, Cincinnati, O.
Criss Cross Boiler Flue and Tube Cleaners. Reversible Tube Cleaners Co., Worcester, Mass., Worcester Brush & Scraper Co., Worcester, Mass.
Criss Cross Scrapers. Worcester Brush & Scraper Co., Worcester, Mass.
Critchley Reamers. Chadwick & Trefethen, Portsmouth, N. H.
Critchley's Card Clothing. Leigh & Butler, Boston.
Critchley's Expansion Reamers. Chadwick & Trefethen, Portsmouth, N. H.
Critchley Improved Super-Six Expansion Reamer. Cutter & Wood Supply Co., Boston, Mass.
Critchlow Hydraulic Operating Valves. Pittsburgh Valve, Foundry and Construction Co., Pittsburgh, Pa.
Critchlow Packing. Canfield Rubber Co., Bridgeport, Conn.
Criterion Belting. Voorhees Rubber Mfg. Co., Jersey City, N. J.
Criterion Insulating Tape. Consumers Rubber Co., Cleveland, O.
Criterion Rubber Bottles. Tyer Rubber Co., Andover, Mass.
Crit-Point Steel Heating Testing Instrument. The Gibbs Instrument Co., Pittsburgh, Pa.
Crittall Steel Window Casements. Crittall Casement Window Co., Detroit.
Critz High Pressure Lubricating System and Grease Gun Filler. Lathan Auto Sup. Co., San Francisco.
Crocker-Wheeler Electric Motors. Calin-Foster Electric Co., Denver, Colo.
Crocodile Pipe Wrenches. Bonney Forge & Toll Works, Allentown, Pa.
Crofoot Gears. Crofoot Gear Works, Boston, Mass.
Croftstein Metal Polish. H. W. Mills & Co., Patterson, N. J.
Crogan One-Man Steel Tapes. Union Tool Co., Orange, Mass.
Crokinole Game Boards. Carrom Co., Ludington, Mich.
Cromar Ready Finished Oak Flooring. Crooks-Dittmar Co., Williamsport, Pa.
Crombie Oil Burning Systems. Rainier Mach. & Sup. Co., Seattle.
Cromo Leather Belting. Philadelphia Belting Co., Philadelphia, Pa.
Crone Fuel Gas Burners. F. G. Crone, Buffalo.
Cronk Pliers, Cutters and Pruning Shears. Cronk & Carrier Mfg. Co., Elmira, N. Y.
Cropp Concrete Mixers. Cropp & Co., Chicago.
Cropp Low Charging Concrete Mixers. B. M. Cropp Co., Chicago.
Crosby Calorimeters, Clocks, Cocks, Gauges, Engine Indicators, Test Pumps, Valves, Whistles, Etc. Crosby Steam Gage & Valve Co., Boston.
Crosby Drop Forged Wire Rope Clips. Hubbard & Co., Pittsburgh, Pa.
Crosby Engine Indicators, Lubricators, Gauges, Recorders, Valves Crosby Steam Gauge & Valve Co., Boston, Mass.
Crosby Guy Clamps and Wire Rope Clips. American Hoist & Derrick Co., St. Paul.
Crosby Reinforcing Bar; Splice-Clips; Guy Clamps. American Hoist & Derrick Co., St. Paul, Minn.
Crosley Radio Products. Crosley Radio Corp., Cincinnati, O.
Cross Cut Toilet Paper. A. P. W. Paper, Albany, N. Y.
Cross Elevator Doors. Variety Fire Door Co., Inc., Chicago.
Cross Flanged Lip Screen. Hendrick Mfg. Co., Carbondale, Pa.
Cross Insulated Staples. Jas. Goldmark Co., New York.
Cross Oil Filters. Burt Mfg. Co., Akron, O.
Crother's Plow Coulters. Sparta Plow Works, Sparta, Ill.
Croton Water Filters. Jones Mfg. Co., Boston Mass.
Crow Corrugated Hose. Hercules Rubber & Supply Co., San Francisco, Calif.
Crow-Elkhart Automobile. Crow-Elkhart Motor Company, Elkhart, Ind.
Crow Lamp Black. L. Martin & Co., New York.
Crowe Fan Belt. Premier Electric Co., Chicago.
Crowe Shoe Nailing Machines. Spec. Shoe Machy. Co., St. Joseph, Mo.
Crowell Air Compressors, Blowers, Vacuum Pumps. Crowell Mfg. Co., Brooklyn.
Crowell Blowers, Compressors and Pumps. **Crowell Mfg. Co., Brooklyn, N. Y.**
Crowell Control Head Packer and Tubing Oil Saver. Pacific Oil Tool Co., Los Angeles.
Crowell Insulating Tape. Carter, Rice & Co., Boston.
Crowell Packers, Casing and Tubing Oil Savers and Landing Heads. Crowell Packer Co., Tulsa, Okla.
Crowell Saw Fitting Tools. D. J. Crowell, Buffalo, N. Y.
Crowe's Staples. Planett Mfg. Co., Oakland, Calif.
Crowfoot Carbon Paper Typewriter Ribbons. Old Town Ribbon & Carbon Co., Inc., New York.
Crown Acme Refined Oil. Standard Oil Co., New York.
Crown Air Brush. Holton Co., B. E., Los Angeles, Cal.
Crown Air Tire Pumps. Bridgeport Brass Co., Bridgeport, Conn.
Crown Asbestos Cements and Roofing Paints. W. H. Colebrook's Sons, Syracuse, N. Y.
Crown Asbestos and Sheet Metal Specialties. Hall & Carpenter, Philadelphia, Pa.
Crown Belting. Page Belting Co., Concord, N. H.
Crown Belting, Hose, Rubber Matting, Packing, Tubing. Quaker City Rubber Co., Philadelphia.
Crown Belt Lacing. Henry K. Barnes Co., Boston.
Crown Bicycles. Great Western Mfg. Co., La Porte, Ind.
Crown Boat Oars. Aymer De Grauw & Co., New York.
Crown Bottle Caps. Crown Cork & Seal Co., Baltimore.
Crown Bottle Tops. Standard Crown Co., Philadelphia, Pa.
Crown Brand Brooms and Brushes. Long Island Broom Works, Laurel Hill, N. Y.
Crown Cake Turners, Stove Lid Lifters, Potato Mashers. Hamblin & Russell Mfg. Co., Worcester, Mass.
Crown Car Curtains. The Curtain Supply Co., Chicago.
Crown Chair Seats. Blair Veneer Co., North Troy, Vt.
Crown Christmas Tree Holders, Fluting Machines. North Bros. Mfg. Co., Philadelphia.
Crown Coffee Mills, Faucet Filters, Lawn Sprinklers, Lemon Squeezers, Raisin Seeders. Landers, Frary & Clark New Britain, Conn.
Crown Concrete Barrows. American teel Scraper Co., Sidney, Ohio.
Crown Cordage and Twine. Bibb Mfg. Co., Macon, Ga.
Crown Curtain Fixture No. 200. Morton Mfg. Co., Chicago.
Crown Dating and Numbering Stamps. R. A. Stewart & Co., New York.
Crown Dredge Chain. United States Chain & Forging Co., Pittsburgh, Pa.
Crown Emery Wheel Dressers, Plain Tool Grinders, Surface Grinders. Clizbe Bros. Mfg. Co., Plymouth, Ind.
Crown End Hooks. Clyde Iron Works, Duluth, Minn.
Crown English Glue. American Glue Co., Boston.
Crown File Bands. Edw. L. Sibley Mfg. Co., Bennington, Vt.
Crown Fluters; Christmas Tree Holders. North Bros. Mfg. Co., Philadelphia, Pa.
Crown Force and Lift Pumps. Blymer Iron Works, Cincinnati, O.
Crown Furnaces. March-Brownback Stove Co., Pottsdown, Pa.
Crown Gas Burners. Wilson & Daum Co., Pittsburgh, Pa.
Crown Glass Insulators. Brookfield Glass Co., New York.
Crown Green Bone Cutters. Wilson Bros., Easton, Pa.
Crown Green Rubber Mats. W. H. Salisbury & Co., Inc., Chicago.
Crown Harness Snaps. Covert Saddlery Works, Interlaken, N. Y.
Crown Harness Tools, Shoemakers' Tools, Tanners' Tongs, Tanners' Tools. Wm. H. Horn & Bros., Phliadelphia.
Crown Horse Nails. Fowler & Union Horse Nail Co., Inc., Buffalo.
Crown Hose, Packing, Belting. Quaker City Rubber Co., Philadelphia, Pa.
Crown Hot Air Furnaces. March-Brownback Stove Co., Pottstown, Pa.
Crown Jewel Cotton Batting. Rock River Cotton Co., Janesville, Wis.
Crown Lanterns. R. E. Dietz Co., New York.
Crown Log Loading Hooks. Clyde Iron Works Sales Co., Duluth, Minn.
Crown Lubricating Oils. Swan & Finch Co., New York.
Crown Metals. North American Smelting Co., Philadelphia.
Crown Nail Pullers. Snow & Petrelli Mfg. Co., New Haven, Conn.
Crown Oil Cups. Lunkenheimer Co., Cincinnati, O.
Crown Packing. Strong Machinery & Supply Co., New York.
Crown Paint and Varnish Remover. Bradley & Vrooman Co., Chicago.
Crown Paper Fillers. Solvay Process Co., Syracuse, N. Y.
Crown Pen and Pencil Clips. Hunt Pen Co., C. Howard, Camden, N. J.
Crown Pipe Cutter Wheels, Pipe Cutters, Pipe Vises, Solid Stocks and Dies and Vises. Crown Die & Tool Co., Chicago.
Crown Plaiting Machines. North Bros. Mfg. Co., Philadelphia.
Crown Pneumatic Tires. Great Eastern Rubber Co., Allentown, Pa.
Crown Rail Bonds. American Steel & Wire Co., Chicago.
Crown Recording Pressure Gauges. Jones Gauge Co., Boston, Mass.
Crown Rivets. Basset-Presley Co., Cleveland, O.
Crown Roofing Material. H. H. Hopkins Co., Chicago.
Crown Sanitary Flooring. Robt. A. Keasbey Co., New York.
Crown Shoe Blacking & Polishes. Frank Miller Co., New York.
Crown Soap Powder. Hunnewell Soap Co., Cincinnati, Ohio.
Crown Soda Ash. Natural Soda Products Co., Keeler, Cal.
Crown Stoves. King Stove & Range Co., Sheffield, Ala.
Crown Switch Stands. Pettibone, Mulliken & Co., Chicago.
Crown Top Corn Poppers. Gier Pressed Steel Co., Lansing, Mich.
Crown Upholsterers' Tacks. G. G. Roberts, Whitman, Mass.
Crown Ventilators. Willis & Sons Co., Moline, Ill.
Crown Water Closets. Sanitas Mfg. Co., Boston.
Crown Water Meters. National Meter Co., New York.
Crown Well Buckets. Richmond Cedar Works, Richmond, Va.
Crown Woven Wire Fences. Interlocking Fence Co., Morton, Ill.
Crownolo Telephone Index. Crown Stationery Co., New York.
Crows Insect Powder. Wags Chemical Co., Knoxville, Tenn.
Crozer Pig Iron. Va. Iron, Coal & Coke Co., Roanoke, Va.
Crozier Check Valves. Gifford & Frank Valve Co., New York.
Cruban Universal Joints. Mauch Chunk Iron Wks., Mauch Chunk, Pa.
Crucia Chrome Carbon Spring Steel. United Alloy Steel Corp., Canton, O.
Crucible Square Shank Screw Drivers. The Washburn Company, Chicago (Cassady-Fairbank) Division, Chicago.
Crumbie Pipe Tongs. Oil Well Supply Co., Pittsburgh.
Crumble Tong Bits. Chas N. Hough Mfg. Co., Franklin, Pa.
Crundumsand Fire Resisting Cements. Keystone Refractories Co., Inc., New York.
Cruoleum Disinfectants. Hockwald Chemical Co., San Francisco.
Crusader Bicycles. Mead Cycle Co., Chicago.
Crusader Fly Traps. Burgess-Norton Mfg. Co., Geneva, Ill.
Cruso Hardware, Galvanized Ware, Enameled Ware, Etc. Hibbard, Spencer, Bartlett & Co., Chicago.
Crusoe Chemical Engine Hose. Electric Hose & Rubber Co., Wilmington, Del.
Cryer Vacuum Heating. Cryer Return Line System Co., New York.
Crysolite Paints for Coating. Semet-Solvay Co., Syracuse, N. Y.
Crysolite Protective Paint. Semet-Solvay Co., New York.
Crystal Bay Emery Cloth and Paper. Minnesota Mining & Mfg. Co., Chicago.
Crystal Carbon Paper and Typewriter Ribbons. J. A. Heale & Co., New York.
Crystal Coffee Mills. Arcade Mfg. Co., Freeport, Ill.
Crystal Ice Cream Freezers. Cardington Cabinet Co., Cardington, O.
Crystal Illuminating Glassware, Etc. Jefferson Glass Co., Chicago.
Crystal Insulating Varnishes. Chicago Mica Co., Valparaiso, Ind.
Crystal Lubricating Oils. Wilbert B. Jacobs, Emlenton, Pa.
Crystal Metal Bells. T. C. S. Bell Co., Hillsboro, O.
Crystal Plaster. Grand Rapids Plaster Co., Grand Rapids, Mich.
Crystal Rock Wall Plaster. American Cement Plaster Co., Lawrence, Kans.
Crystal Rock Wood Fibre Plaster.. American Cement Plaster Co., Buffalo.
Crystal Silica, Glass Sand. United States Silica Co., Chicago.
Crystal Sodium Silicate. Crystal Chemical Corp., Summitville, Ind.
Crystal Steam Sanitary Drinking Fountains. J. L. Mott Iron Works, Trenton, N. J.

Crystal Strainers and Washers. Crystal Mfg. Co., Philadelphia, Pa.
Crystalite Asphalt Roofing. National Roofing Co., Tonawanda, N. Y.
Crystalites Glass Rear Curtain Lights. Haines Mfg. Co., Rochester, N. Y.
Crystalite (Texaco) Illuminating Oil. The Texas Co., New York.
Crystallinic Tiles. American Encaustic Tiling Co., Ltd., New York.
Crystallized Oil. Arthur B. Edmands Co., Pawtucket, R. I.
Crysteel Table Tops. Benjamin Electric Mfg. Co., Chicago.
Crysteel Wallford Porcelain Table Tops. Crysteel Works of Benjamin Electric Mfg. Co., Chicago.
Crystolon Grinding Wheels and Refractories. Norton Company, Worcester, Mass.
Crystolux Sidewalk. American Luxfer Prism Co., Chicago.
Crystox Abrasive Circles. Charles H. Besley & Co., Chicago.
Cub Gasoline Traction Engines. Wallis Tractor Co., Racine Wis.
Cub Portable Belt Conveyors. Link-Belt Co., Chicago, Indianapolis, Philadelphia; H. W. Caldwell & Son, Chicago.
Cub Road Scrapers—Drag. Kilbourne & Jacobs Mfg. Co., Columbus, O.
Culley Hack Saws. Simonds Saw and Steel Co., Fitchburg, Mass.
Cullman High-Speed Chain and Roller Sprockets. Cullman Wheel Co., Chicago.
Cullman Split Sprockets and Multiple Chains. Cullman Wheel Co., Chicago.
Culver Hot Air Furnaces. M. A. Green & Co., Bridgeport, Conn.
Culti-Packer. The Dunham Co., Berea, O.
Cumar-Synthetic Varnish and Rubber Gum. The Barrett Co., New York.
Cumberland Automatic Gas Burners. Holly Pneumatic Systems, Inc. New York.
Cumberland Ground Shafting. Cumberland Steel Co., Cumberland, Md.
Cumberland Shafting. Edgar T. Ward's Sons, New York.
Cummer Road Asphalt Paving Plant. The F. D. Cummer & Son Co., Cleveland, O.
Cummer Sand and Gravel Dryers. F. D. Cummer & Son Co., Cleveland, O.
Cummings Concrete Pile Reinforcement; Loop Trusses. Electric Welding Co., Pittsburgh, Pa.
Cummings Concrete Reniforcing Materials. Electric Welding Co., Pittsburgh.
Cummings Engine Log. Cummings Ship Instrument Works, Boston, Mass.
Cummings Feed Cutters. Ann Arbor Machine Co., Shelbyville, Ill.
Cummings Handcuffs and Twisters. Geo. D. Barnard & Co., St. Louis.
Cummings Portable Forges and Blowers. Furness Bros. Co., Chicago.
Cummings System Concrete Reinforced Materials. Electric Welding Co., Pittsburgh, Pa.
Cunningham Car. James Cunningham & Sons Co., Rochester, N. Y.
Cunningham Saw Vises and Rift Flooring Machines. Filer & Stowell Co., Milwaukee.
Cunningham Water Gauges. Foxboro Co., Foxboro, Mass.
Cupalloy. Chicago Crucible Company, Chicago.
Cupid Lubricator. The Lunkenheimer Co., Cincinnati, O.
Cupples Steam Shovel Teeth. Cupples Adjust. Tooth Co., Tyrone, Pa.
Curbo Safety Razors. Unsinger Razor Blade Co., Fremont, Ohio.
Curfew Padlocks. Fraim-Slaymaker Hardware Co., Lancaster, Pa.
Curi-Curl Blotting Paper. Standard Paper Mfg. Co., Richmond, Pa.
Curit Vibratory Chair. Vibrating Machy. Co., Inc., Chicago.
Curity Absorbent Cotton, Gauze, Bandages, Plasters, Cheese Cloth, Crinoline, Etc., Surgical and Medical. Lewis Mfg. Co., Walpole, Mass.
Curmanco Metal Specialties. Currier Mfg. Co., Minneapolis, Minn.
Curran Improved Tire Gauge. Frank Curran, Susquehanna, Pa.
Currie Wind Mills. Currie Wind Mill Co., Topeka, Kan.
Curriers Black. L. Martin Co., New York.
Curry Automobile Belts, Polishing Belts, Fabric Harness. J. W. Curry Co., Cincinnati, Ohio.
Curry Ball Bearing Springs for Automobiles. Best Spring Co., Portland, Ore.
Curtis Air Compressors and Hoists; Cranes; I-Beam Trolleys; Circular and Cross-Cut Saws; Steel Clutch Discs. Curtis & Co. Mfg. Co., St. Louis. Mo.
Curtis Bay Drum Washer. Curtis Bay Copper & Iron Works, Inc., Baltimore, Md.
Curtis Belt Sander. Curtis Machine Corp., Jamestown, N. Y.
Curtis Damper Regulators, Steam and Water Pressure Regulators, Steam Separators, Steam Traps, Thermostats. D'Este Julian Co., Boston.
Curtis Double Acting Railroad Pumps. U. S. Wind Engine & Pump Co., Batavia, Ill.
Curtis Eggsactly Automatic Egg Boiler. Curtis Espy & Co., Chicago.
Curtis Horse Collar Pads. Curtis-Dexter Co., Madison, Wis.
Curtis Invalid Chairs. Ford Johnson Chair Co., Chicago.
Curtis Lathe Attachments. Curtis & Curtis Co., Bridgeport, Conn.
Curtis Locomotive Sanders. United States Metallic Packing Co., Phila.
Curtis Pneumatic Cranes, Air Compressors, Hoists and Trolley. Curtis & Co., Mfg. Co., St. Louis.
Curtis Pressure Regulators; Steam Traps; Valves; Etc. Julian d'Este, Boston, Mass.
Curtis Pumps. U. S. Wind Engine & Pump Co., Batavia, Ill.
Curtis Rotary Pumps. Pittsburgh Machine Tool Co., Braddock, Pa. Angeles.
Curtis Steam Turbines. General Electric Co., Schenectady, N. Y.
Curtis Steamketel. Metalite Mfg. Co., Los Angeles, Cal.
Curtis Steel Clutch Discs. Curtis Clutch Disc Co., St. Louis.
Curtis Turbines. General Electric Co., Schenectady, N. Y.
Curtis-X-Ray Tru DaLight. Curtis Lighting, Inc., Chicago.
Curtiss Engines. Curtiss Aeroplane & Motor Corp., Buffalo, N. Y.
Curvex Curtain Rods. Turner & Seymour Mfg. Co., Torrington, Conn.
Curvex Spiral Fluted Formed Milling Cutters. Pratt & Whitney Co., Hartford, Conn.
Cushing Plugs. Condit Electrical Mfg. Co., South Boston, Mass.
Cushing Stage and Receptacle Plugs. Condit Electrical Mfg. Co., Boston.
Cushion Tire Store Ladders. The F. E. Myers & Bro., Ashland, O.
Cushman Chucks. Cushman Chuck Co., Hartford, Conn.
Cushman Electric Motors. Cushman Electric Co., Concord, N. H.
Cushman Engines. Cushman Motor Co., Lincoln, Neb.
Cushman Spraying Machines. King Foundry Co., St. Joseph, Mo.
Cusho Oils and Grease. Good-Wil Lubricating Company, St. Louis, Mo.
Cutall Oil. Wm. C. Robinson Son Co., Baltimore, Md.
Cutaway Agricultural Implements. Bateman & Companies, Inc., New York.
Custer Hand Power Punch and Shear Combined. W. F. Custer & Sons, Summitville, Ind.
Custer Ratchet Wrenches. Custer Coupling Co., Bradford, Pa.
Cut Easy Corn Hooks. American Fork & Hoe Co., Cleveland.
Cutler Dry Kilns. Cutler Desk Co., (Dry Kiln Dept.), Buffalo, N. Y.
Cutler-Hammer Controllers and Regulators, Lifting Magnets. Cutler-Hammer Mfg. Co., Milwaukee, Wis.
Cutler Lavatories and Fittings. James Barrett Mfg. Co., Boston.
Cutler Mail Chutes and Boxes. Cutler Mail Chute Co., Rochester, N. Y.
Cutler's Steel Stamps. Gowanda Agricultural Works, Gowanda, N. Y.
Cutless Bearing. Oliver Sherwood Co., San Francisco.
Cut-Me-Off Plumbers' Rubber Elbows. Glauber Brass Mfg. Co., Cleveland.
Cut Out Thumb Tacks. Noesting Pin Ticket Co., Dept. H, Mt. Vernon, N. Y.
Cutrite Soluble Oil. Phoenix Oil Co., Cleveland, O.
Cutters Lamp Supporting Pulleys, Insulators, Mast Arms, Reflectors, Steel Boxes, Switchboards. George Cutter Works of Westinghouse Elec. & Mfg. Co., South Bend, Ind.
Cutter Street Lighting Equipment. Geo. Cutter, Works of Westinghouse Electric, South Bend, Ind.
Cutting & Washington Wireless Apparatus. Cutting & Washington Radio Corp., New York.
Cutuco Pliers. Crescent Tool Co., Jamestown, N. Y.
Cutwell Counterbores and Reamers. Bickford-Switzer Co., Greenfield, Mass.
Cutwell Reamers. The Wells Corporation, Greenfield, Mass.
Cuttyhunk Fish Line. Ashaway Line & Twine Mfg. Co., Ashaway, R. I.
Cuyaga Automatic Ice Cream Freezers. Treman King & Co., Ithaca, N. Y.
Cuyahoga Springs, Shapes and Wire Specialties. Cuyahoga Spring Co., Cleveland, O.
Cyameeze Adhesive Cement. Williams Mfg. Co., Camden, N. J.
Cyanofumer Fumigating Apparatus. Braun Corp., Los Angeles.
Cyanor Fumigating Machines. Roessler & Hasslacher Chemical Co., New York.
Cycle Bicycle Locks. E. T. Fraim Lock Co., Lancaster, Pa.
Cycle Flour Sieves. Wickwire Spencer Steel Corp., Worcester, Mass.
Cycle Grindstones. Richards-Wilcox Mfg. Co., Aurora, Ill.
Cyclo Crushers and Pulverizers. C. O. Bartlett & Snow Co., Cleveland, O.
Cycle Rubber Belting. B. F. Goodrich Co., Akron, O.
Cyclo Paint and Whitewash Spraying Machines. Muralo Company, New Brighton, Borough of Richmond, N. Y.
Cycloidal Fans and Exhausters. Garden City Fan Co., Chicago.
Cyclone Air Hose. Hercules Rubber & Supply Co., San Francisco, Calif.
Cyclone Air Lift Boosters or Separators. Sullivan Machinery Co., Chicago.
Cyclone Blow-off Valves. Wm. Powell Co., Cincinnati, O.
Cyclone Boiler Flue and Tube Cleaners. Elliott Co., Pittsburgh.
Cyclone Boiler Tube Cleaners. Liberty Mfg. Co., Pittsburgh, Pa.
Cyclone Car Ventilators. Gold Car Heating & Lighting Co., New York.
Cyclone Chain Hoists. Chisholm-Moore Mfg. Co., Cleveland, O.
Cyclone Clod Crushers. Ohio Cultivator Co., Bellevue, Ohio.
Cyclone Cloth Dryers and Yarn Dryers. Phila. Textile Mach. Co. Phila.
Cyclone Corn Hooks. Wallingford Mfg. Co., Wallingford, Vt.
Cyclone Corn and Cob Mills. Appleton Mfg. Co., Batavia, Ill.
Cyclone Door Hangers. Lawrence Bros., Sterling, Ill.
Cyclone Drills, Engines, Well Boring Machines. Sanderson-Cyclone Drill Co., Orrville, O.
Cyclone Dust Collectors. Dixie Mfg. Co., Baltimore, Md. Knickerbocker Co., Jackson, Mich.; Kirk & Blum Manufacturing Co., Cincinnati, O.
Cyclone Egg and Cream Beaters. W. G. Browne Mfg. Co., Kingston, N. Y.
Cyclone Electric Disc Fans. American Blower Co., Detroit, Mich.
Cyclone Exhaust Heads. Wright-Austin Co., Detroit.
Cyclone Exhaust Heads. Young Bros. Co., Detroit, Mich.
Cyclone Exhaust Pipe Heads. Wright-Austin Co., Detroit, Mich.
Cyclone Grates. Cyclone Grate Bar Co., Buffalo, N. Y.
Cyclone High Speed Chain Hoist. Chisholm-Moore Mfg. Co., Cleveland, O.
Cyclone Laboratory Centrifuges. Consolidated Instrument Company of America, New York.
Cyclone Lawn Sprinklers. W. D. Allen Mfg. Co., Chicago.
Cyclone Lubricators. Michigan Lubricator Co., Detroit, Mich
Cyclone Lubricating Oils and Greases. Tropical Paint & Oil Co., Cleveland.
Cyclone Mechanical Dust Collectors. Cyclone Blow Pipe Co., Chicago. Dixie Mfg. Co., Russell & B. & O. R. R., Baltimore, Md.
Cyclone Mechanical Dust Collectors. Thomas Lee & Son Co., Cincinnati, Ohio.
Cyclone Ornamental Fencing. Cyclone Fence Co., Waukegan, Ill.
Cyclone "Red Tag" Fence and Products. Cyclone Fence Co., Waukegan, Ill.
Cyclone Rubber Belting. Mulconroy Co., Philadelphia, Pa.
Cyclone Seeders and Sowers. Cyclone Seeder Co., Urbana, Ind.; Peoria Drill & Seeder Co., Peoria, Ill.
Cyclone Shaking Grates. Cyclone Grate Bar Co., Buffalo.
Cyclone Silo Fillers. Ironwood Mfg. Co., Bellefontaine, Ohio.
Cyclone Silos. National Tank & Pipe Co., Portland, Ore.
Cyclone Smut Treaters. New Liberty Washing Machine Co., St. Paul.
Cyclone Snow Shovels. F. E. Kohler & Co., Canton, O.
Cyclone Spray Pumps and Tire Air Pumps. Judd & Leland Mfg. Co., Clifton Springs, N. Y.
Cyclone Spring Corn Shellers. Marseilles Works of Deere & Co., Moline, Ill.
Cyclone Stalk Cutters. B. F. Avery & Sons, Louisville, Ky.
Cyclone Steam Flue Cleaners. Crescent Brass Products Co., Cleveland.
Cyclone Tile Ditching Machines. Jeschke Edw. Co., Bellevue, Ohio.
Cyclone Tool Emery Grinders. Duisdieker Foundry & Mfg. Co., Pekin, Ill.; Richards-Wilcox Mfg. Co., Aurora, Ill.
Cyclone Trucks and Starters. Cyclone Starter & Truck Co., The, Greenville, S. C.
Cyclone Vacuum Cleaners. Cyclone Brush Co., Bradford, Pa.
Cyclone Water Closet Ventilators. Sanitary Appliance Co., Neenah, Wis.
Cyclone Water Well Drills, Oil and Gas Well Drills, Mineral Prospecting Machinery, Big Blast Hole Drills, Well Drilling and Fishing Tools, Well Drilling Machinery. Cyclone Drill Co., Orrville, O.
Cyclone Wire Fencing. Cyclone Fence Co., Waukegan, Ill.
Cyclone Woven Wire Fences, Wire Stretchers, Fence Ratchets and Farm Gates. Cyclone Fence Co., Waukegan, Ill.
Cyclone Jr. Contractors' Plows. Jeschke Edw. Co., Bellevue, Ohio.
Cycol Lubricating Oil. Associated Oil Co., San Francisco.
Cyclops Crucible Alloy Steel; Carbon Tool Steel. Cyclops Steel Co., New York.
Cyclops Nail Puller. Union Hardware Co., Torrington, Conn.
Cygnet Automobile Horns and Phonograph Horns. Standard Metal Mfg. Co., Newark, N. J.
Cygnet Trailer Cars. Cygnet Rear Car Co., Buffalo, N. Y.
Cygnus (Texaco) Lubricating Oil. The Texas Company, Dept. HR, New York.
Cyko Photographic Paper. Ansco Co., Binghampton, N. Y.
Cylento Flush Meters. Hobbs Mfg. Co., Worcester, Mass.

Cyl-Grind Grinders. Allan Mfg. & Welding Co., Inc., Buffalo, N. Y.
Cylinder Belting. Graton & Knight Mfg. Co., Worcester, Mass.
Cylvalette Cylinder Oils. Standard Oil Co., Chicago.
Cynio Gas and Gasoline Hose. Electric Hose & Rubber Co., Wilmington, Del.
Cyphers Incubators, Brooders and Hovers. Cyphers Incubator Co., Buffalo, N. Y.
Cypress-O Polish. Northwest Chemical & School Supply Co., Spokane, Wash.
Cyprus Babbit Metal. Brady Brass Co., Jersey City, N. J.
Cyprus Bronze. Brady Brass Co., Jersey City, N. J.
Cyrus Gasoline Hose. Electric Hose & Rubber Co., Wilmington, Del.
Czar Drill Chucks. Union Mfg. Co., New Britain, Conn.
Czar Oil and Grease Cup Lubricators. W. D. Allen Mfg. Co., Chicago.
Czar Padlocks. E. T. Fraim Lock Co., Lancaster, Pa.
Czar Pumps. The Humphreyes Mfg. Co., Mansfield, O.
Czar Shoveling Boards. Hayes Pump & Planter Co., Galva, Ill.

D

D Automobiles and Accessories. Daniels Motor Car Co., Reading, Pa.
D. Cotton Twine. Estes Mill, Fall River, Mass.
D. Handles. Lewiston Handle Co., Lewiston, Me.
D-Light Electric Light Plants. Dodge, Inc., H. C., Boston, Mass.
D-Lite Cold Blast Hand Lanterns. R. E. Dietz Co., New York.
D-A Relay Dial Adjustment Relay. Aldobilt Company, Chicago.
D-B Building Specialties. The Donley Bros. Co., Cleveland, O.
D C Dredge Quality Crane Chain. Carroll Chain Co., Columbus, O.
D. C. Flushing Valves. Dececo Co., Boston.
D. C. Hand Made Dredge Quality Crane Chain. The Carroll Chain Co., Columbus, O.
D. C. Magneto. Motsinger Device Mfg. Co., Lafayette, Ind.
D. D. Electric Receptacles & Plugs. Bryant Electric Co., Bridgeport, Conn.
D. E. Worm Drive Motor Trucks. Day-Elder Motors Co., Newark, N. J.
D.-G. Storage Batteries. F. L. Hewitt, Stockton, Cal.
D. G. Tripoli. The Buckeye Products Co., Cincinnati, O.
D. H. Gray Egyptian Fibre. Delaware Hard Fibre Co., Wilmington, Del., Works, Marshallton, Del.,
D. K. Barton Carpenters' Tools. Mack & Co., Rochester, N. Y.
D. P. Single and Double Piece Steel Dust Guards. D. P. Co., New York
D. R. Barton Edge Tools. Mack & Co., Rochester, N. Y.
D S Safety Nuts. Standard Safety Nut Corp., New York.
D. V. Wagon Skeins. American Skein & Foundry Co., Racine, Wis.
D. V. & Co. Wagon Skeins. Illinois Iron & Bolt Co., Carpentersville, Ill.
D-X Bridle Rings and Insulated Hooks. Diamond Expansion Bolt Co., New York.
D. B. G. Special Crane Chain. Bradlee & Co., Empire Chain Works, Philadelphia, Pa.
D. B. M. Pipe Locators. Modern Iron Works, Quincy, Ill.
D. O. S. Piston Rings. Chame Co., Centralia, Mo.
D. R. P. Damp Resisting Paints. M. Feigel & Bro., New York.
D S O Shellac. Berry Bros., Detroit, Mich.
D. S. S. Wrenches. D. Saunders & Sons, Yonkers, N. Y.
D. T. D. Tools. Detroit Twist Drill Co., Detroit, Mich.
D. & A. Fence Posts. D. & A. Post Mold Co. Three Rivers, Mich.
D. & B. Miners' Squibs. E. I. du Pont de Nemours & Co., Inc., Explosives and Smokeless Powder Depts., Wilmington, Del.
D & D Auto Lock. The D & D Lock Co., Chicago.
D & D Safety Manhole Covers. William E. Dee Co., Chicago.
D & E Bracket Type Hammers. Dienelt & Eisenhardt, Inc., Philadelphia, Pa.
D. & G. Dials. D. & G. Dial & Enameling Co., Waltham, Mass.
D & M Locomotive Cleaning Process. "D & M" Cleaning Process, Chicago.
D. & T. Hot Water Heating Systems. D. & T. Mfg. Co., St. Louis.
D. & W. Enclosed Fuses. D. & W. Fuse Co., Providence, R. I.
D & W Fuses. D & W Fuse Co., Providence, R. I.; General Electric Co., Schenectady, N. Y.
D & W Magnetic Chucks. D & W Fuse Co., Providence, R. I.
D. & W. Turret Screw Machines; Turret Lathes. The D Machine Co. Inc., New York.
Dack Hot Water Heaters, Pipe Hangers. Hayes Pump & Planter Co., Galva, Ill.
Da Costa Gravity Drop Hammers. Providence Press Machinery Co., Inc., New York.
Da-cote Varnishes and Enamels. Murphy Varnish Co., Newark, N. J
Dacro Milk Bottle Caps. Crown Cork & Seal Co., Baltimore, Md.
Daddow & Beadles Miners' Squibs. Miners' Supply Co., St. Clair, Schuylkill Co., Pa.
Daggett's Cast Iron Culverts. J. F. Rothe Fdry. Co., Green Bay, Wis.
Dad Pipe Hangers. D. A. Donovan, Auburn, N. Y.
Dahl Drill Grinders. Manning, Maxwell & Moore, Inc., New York.
Dahlstrom Fire Proof Doors, Steel Trim, Steel Partitions. Dahlstrom Metallic Door Co., Jamestown, N. Y.
Dahlstrom Products. Dahlstrom Metallic Door Co., Jamestown, N. Y.
Daidy Feed Cutters. J. W. Conner & Son, Orangeville, Pa.
Daily Sickel Grinders. Clizbe Bros. Mfg. Co., Plymouth, Ind.
Dainola Liquid Soap and Dispensers. West Disinfecting Co., New York.
Dains Hay Loaders and Lawn Swings. Dain Mfg. Co., Ottumwa, Ia.
Dainty Cap Remover Handle. Stephens, Windsor & Co., Waltham, Mass.
Dainty Folding Cork Screw. Vauhan Novelty Mfg. Co., Chicago.
Dainty Maid Shirtwaist Irons. Gray Iron Foundry Co., Reading, Pa.
Dairymen's Milk Cans. Creamery Package Mfg. Co., Chicago.
Dairy Queen Cream Separators. Dairy Cream Separator Co., Lebanon, Ind.
Dairy Queen Milk Can Brushes. Standard Brush Co., New Hartford, Conn.
Daisy Air Rifles. Daisy Mfg. Co., Plymouth, Mich.
Daisy Bag Holders, Barn Door Latches, Steak Pounders. Wagner Mfg. Co., Cedar Falls, Ia.
Daisy Bath Heaters. Jno. Wood Mfg. Co., Conshohocken, Pa.
Daisy Bottle Corking Machine. U. S. Bottlers' Machy. Co., Chicago.
Daisy Bottle Stoppers, Force Cups, Rubber Plugs. Schacht Rubber Mfg. Co., Huntington, Ind.
Daisy Children's Vehicles. Gibbs Mfg. Co., Canton, Ohio.
Daisy Clipper Hay and Corn Cutter Knives. Wallingford Mfg. Co., Wallingford, Vt.
Daisy Cork Pullers. Arcade Mfg. Co., Freeport, Ill.
Daisy Corn Planters and Harrows. Hench & Dromgold Co., York, Pa.
Daisy Cotton Mops. Massasoit Mfg. Co., Fall River, Mass.
Daisy Floor Treads. Ansonia Electrical Co., Ansonia, Conn.
Daisy Flour Blending Machinery. Barnard & Leas Mfg. Co., Moline, Ill.
Daisy Flour Feeders, Packers, Etc. Barnard & Leas Mfg. Co., Moline, Ill.
Daisy Flour Packer. Barnard & Leas Manufacturing Co., Moline, Ill.
Daisy Fruit and Vegetable Parers. Hudson Parer Co., Leominster, Mass.
Daisy Hand and Power Green Bone Cutters. Wilson Bros., Easton, Pa.
Daisy Hose Nozzles. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Daisy Jr. Potato Diggers. Brown Manly Plow Co., Malta, Ohio.
Daisy Lawn Mowers. Clarinda Lawn Mower Co., Clarinda, Ia.; Supplee-Biddle Hardware Co., Philadelphia.
Daisy Loom Pickers. E. H. Jacobs Mfg. Co., Danielson, Conn.
Daisy Mop Sticks. A. Boyle Broom Co., Galesburg, Ill.
Daisy Paper Dishes and Wood Dishes. Star Paper Dish Co., Richmond, Va.
Daisy Plumbers Force Cups. Schacht Rubber Mfg. Co., Huntington, Ind.
Daisy Push Button Floor Treads. Ansonia Electrical Co., Ansonia, Conn.
Daisy Saws. Heebner & Sons, Lansdale, Pa.
Daisy Scythe Snaths. Seymour Mfg. Co., Seymour, Ind.
Daisy Stalk Cutters. Gale Mfg. Co., Albion, Mich.
Daisy Stock Fountains. Quinn Wire & Iron Works, Boone, Ia.
Daisy Storm Sash Hangers. G. A. Butter, Milwaukee, Wis.
Daisy Thermometers. Wilder-Pike Thermometer Co., Dept H, Troy, N. Y.
Daisy Trucks. Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
Daisy Wagon Jacks. Covert Saddlery Works, Interlaken, N. Y.
Daisy Waste Baskets; Rubbish Burners. Massillon Wire Basket Co., Massillon, O.
Daisy Wood Sawing Machines. Heebner & Sons, Lansdale, Pa.
Dake Force Feed Lubricators. Richmond Pressed Metal Works, Inc., Richmond, Va.
Dake Hoisting Engines, Air Motors, Capstans, Windlasses, Etc. Dake Engine Co., Grand Haven, Mich.
Dake Reversible Air Motors. Dake Engine Co., Grand Haven, Mich.
Dakota Cream Flour. Jerauld County Milling Co., Dept. H., Wessington Springs, S. Dak.
Dakota Fanning Mills. J. L. Owens Co., Minneapolis, Minn.
Dakota Lubricators. D. T. Williams Valve Co., Cincinnati, O.
Dakota Oil and Grease Cups. D. T. Williams Valve Co., Cincinnati, O.
Dakota Portable Grain Elevators. Warner Elevator Mfg. Co., Warner, Ill.
Dakota Roofing Brushes. New Jersey Brush Co., Bloomfield, N. J.
Dakota Traction Engines. G. W. Elliott & Co., De Smet, S. Dak.
Dale Ball Cocks. Wolverine Brass Works, Grand Rapids, Mich.
Dale Catch Basin Traps. Standard Brass & Iron Works, Milwaukee.
Dale Paper Fasteners. Edwin B. Stimpson Co., Brooklyn, N. Y.
Dall Engine Pistons. Dall Motor Parts Co., P. O. Sta. D, Cleveland.
Dalite Circuit Breakers. Cutter Company, The, Philadelphia.
Dalite System Car Lighting. Central Electric Co., Chicago.
Dallett Pneumatic Tools. Thos. H. Dallett Co., Philadelphia, Pa.
Dalton Adding-Calculating, Bookkeeping, Statement and Cash Register Machines. Dalton Adding Machine Sales Co., Norwood, Cincinnati, O.
Dalton Engine Lathes. Dalton Mfg. Corp., Sound Beach, Conn.
Dalton Six Thread Cutting Machine. Dalton Mfg. Corp., Sound Beach, Conn.
Daly Patent Circulating Water Mouthpiece. M. J. Daly & Sons, Inc., Waterbury, Conn.
Damascene Razors. C. Klauberg & Bros., New York.
Damascus Axes. C. A. C. Axe Co., Holbrook, Mass.
Damascus Babbitt Metal Bronze Bearing, Phosphor Copper Ingot Metals. Damascus Bronze Co., Pittsburgh.
Damascus Belting and Hose. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Damascus Brake Beams. Damascus Brake Beam Co., Cleveland, O.
Damascus Bronze Bearings, Babbitts and Alloys. Damascus Bronze Co., Pittsburgh, Pa
Damascus Hack Saw Blades. Pittsburgh Gage & Supply Co., Pitts.
Damascus Oils and Greases. Damascus Mfg. Co., Cleveland, O.
Damascus Reamerso. Wm. Dixon, New York.
Damascus Rubber Hose. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Damascus Safety Pins. Oakville Co., Waterbury Conn.
Damascus Scythes. Dunn Edge Tool Co., Oakland, Me.
Damascus Soluble Oils. Damascus Mfg. Co., Cleveland.
Damascus Soluble Oil, Gear and Pinion Coatings. The Damascus Mfg. Co., Cleveland.
Damask Window Shades. Talbert-Whitmore Co., Los Angeles.
Damasko Shade Cloth. Columbia Mills, Inc., New York.
Damon Turnstiles. Damon-Chapman Co., Rochester, N. Y.
Damp-Dam Waterproofing Materials. Am. Wood Preserving Co., Chicago.
Damptite Fibre Cans. Am. Can Co., New York.
Damptite Waterproof Compound. The Lehon Company, Chicago.
Danck Filter Screens. Standard Wire Co., New Castle, Pa.
Dan-Dee Desk Trays, Waste Baskets, Cash Boxes, Metal Hampers, Etc. Erie Art Metal Co., Erie, Pa.
Dan Dee Straps. Dandy Prongless Buckle Strap Co., Brooklyn, N. Y.
Dandie Concrete Mixers. Koehring Co., Milwaukee.
Danditor Transformers. Inland Electric Co., Chicago.
Dandy Annunciators. Electric Goods Mfg. Co., Canton, Mass.
Dandy Bag Trucks. The Lansing Company, Lansing, Mich
Dandy Belting. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Dandy Bone Mills. Stratton Mfg. Co., Erie, Pa.
Dandy Can Openers. Bradley & Farnham, Middlefield, Conn.; Ellis Mfg. Co., Milldale, Conn.
Dandy Car. American Trackbarrow Co., Lowell, Mass.
Dandy Chimney Tops. Quinn Wire & Iron Works, Boone, Ia.
Dandy Cleanouts. Bignall Co., Medina, N. Y.
Dandy Cotton Mops. Massasoit Mfg. Co., Fall Fiver, Mass.
Dandy Cultivators. Moline Plow Co., Moline, Ill.
Dandy Daters. R. A. Stewart & Co., New York.
Dandy Electric Bells. Electric Goods Mfg. Co., Canton, Mass.
Dandy Feed Cutters. W. Eddy Plow Co., Greenwich, N. Y.
Dandy Fruit and Vegetable Parers. Goodell Co., Antrim, N. H.
Dandy Gaskets. Mechanical Rubber Co., Cleveland, O.
Dandy Hame Fasteners. Covert Saddlery Works, Interlaken, N. Y.
Dandy Horse Brushes. Heedee C. C. Co., Milwaukee.
Dandy Hose. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Dandy Lawn Sprinklers. W. D. Allen Mfg. Co., Chicago.
Dandy Leather Aprons. California Tanning Co., St. Louis.
Dandy Oil and Grease Cups. D. T. Williams Valve Co., Cincinnati, O.
Dandy Prongless Buckle Straps. Dandy Prongless Strap Co., Brooklyn, N. Y.
Dandy Shoe Blacking and Polishes. Whittemore Bros. Corp., Cambridge, Mass.

Dandy Track Barrows. American Track Barrow Co., Lowell, Mass
Dandy Trucks. Turnbull Motor Trucks & Wagon Co., Defiance, Ohio.
Dandy Welding Goggle. Chicago Eye Shield Co., Chicago.
Dandy Wire Stretchers. Milwaukee Hay Tool Co., Milwaukee.
Danforth Leather Belting. J. H. Billington, Philadelphia, Pa.
Dangler Alcohol and Gas Stoves. Dangler Stove Co., Cleveland.
Dangler Gas Radiators, Gasoline Stoves and Blow Torches. American Stove Co., St. Louis.
Danhour's Tool Racks. Tucker & Dorsey Mfg. Co., Indianapolis.
Daniels Automatic Multiple Spindle Chucking Machine. McDonough Mfg. Co., Eau Claire, Wis.
Daniels Automobiles. Daniels Motor Co., Reading, Pa.
Daniels Floor Plates. Creamery Package Mfg. Co., Chicago.
Daniels Eight Automobiles. Daniels Motor Co., Dept H., Reading, Pa
Daniels P. P. P. Rod Packing. Quaker City Rubber Co., Philadelphia, Pa.
Daniels Valve Grinders. Quaker City Rubber Co., Philadelphia.
Daniel Webster Flour. Eagle Roller Mill Co., New Ulm, Minn.
Danielson Disc Harrow Boxes and Neck Yokes. Youngstown Pressed Steel Co., Warren, Ohio.
Danish Bond Paper. B. D. Rising Paper Co., Housatonic, Mass.
Danish Flint Pebbles. Atkins, Kroll & Co., San Francisco.
Danish Linen Paper. B. D. Rising Paper Co., Housatonic, Mass.
Danit Grinding Machines. F. L. Smidth & Co., Copenhagen, Denmark
Danly Auto-Gage; Die Sets. Danly Machine Specialties, Inc., Chicago.
Dann Insert for Auto Springs. The Dann Products Co., Cleveland, O
Dannemera Tool Steels. Edgar T. Ward's Sons, New York.
Danner Bookcases. Canton Furn. Mfg. Co., Canton. O.
Danns Noiseless Blackboard Erasers. E. W. A. Rowles Co., Chicago.
Danubest Asbestos Packing. The Danubit Co., Inc., New York.
Danula Grinding Machine. F. L. Smidth & Co., New York.
Danville Wire-Cut Lug Paving Brick. Danville Brick Co., Danville Ill.
Danzer-Handy Portable Punches. Danzer Metal Works, Hagerstown, Md.
Danzer's Lightning Roofing Edgers. Danzer Metal Works, Hagerstown, Md.
Danzer's Rose Top Ventilators. Danzer Metal Works, Hagerstown, Md.
Danzer's Skylight Lifts. Danzer Metal Works, Hagerstown, Md.
Dara Rod and Channel Brake Beams. Davis Brake Beam Company, Jamestown, Pa.
Darbysteel Cabinets; Lockers; Partitions; Shelving and Equipment. Edw. J. Darby & Sons Co., Philadelphia, Pa.
Darche Electric Alarm Clocks. Darche Mfg. Co., Chicago.
Darcoid Asbestos Sheet Packing and Valve Discs. Dominion Asbestos & Rubber Corp., New York.
Darcoid Flexible Fibre and Gum Gaskets, Gaskets for Flanges, Valves and Fittings, Gauge Glasses, Packing Flange Joints, Sheet and Flexible Fibre and Packing Mfrs. Darcoid Co., New York.
Darcova Gate Valves. Darling Valve and Mfg. Co., Williamsport, Pa.
Dark Chaser Lanterns. American Gas Machine Co., New York.
Darkolite Flash Lights. Harry L. Kirk, Lynchburg, Va.
Darley Conveyor. Guarantee Construction Co., New York.
Darley Pneumatic and Suction Conveyors. Guarantee Construction Co., New York.
Darling Automobiles. Darling Motor Co., Dayton, O.
Darling Pipe Fittings, Tongs, Unions, Valves, Etc. Darling Valve & Mfg. Co., Williamsport, Pa.
Darling Pipe Tongs. Darling Pump & Mfg. Co., Williamsport, Pa
Darling Stoves and Ranges. Indiana Stove Works, Evansville, Ind.
D'Arsonvall Galvanometers. Leeds & Northrup Co., Philadelphia.
Dart Couplings, Flanges, Glue Heaters and Unions. E. M. Dart Mfg. Co., Providence, R. I.
Dart Farm Tractors and Motor Trucks. Dart Truck & Tractor Co., Waterloo, Ia.
Dartmouth Lavatories and Fittings. Sanitas Mfg. Co., Boston.
Dasco Lamps. Dixie Auto Signal Co., Chicago.
Dascolene Cutting Machine Oil. D. A. Stuart & Co., Inc., Chicago
Da-Sie-Co. Wire Fence, Trellisses, Etc. The Davis & Siehl Co., Cincinnati, O.
Datonia Paint Oils. The Kay & Ess Co., Dayton, O.
Daum Refillable Fuses. A. F. Daum Co., Pittsburgh, Pa.
Dauntless Mill Hose. Cincinnati Rubber Mfg. Co., Norwood, Cincinnati.
Dauntless Rubber Hose. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Dauntless Water Power Clothes Washer. Blackstone Mfg. Co., Jamestown, N. Y.
Davenport Baths. Crane Co., Chicago.
Davenport Drilling Machines and Vises. Blissfield Motor Works, Blissfield, Mich.
Davenport Five Spindle Screw Machine. Davenport Machine Tool Co., Rochester, N. Y.
Davenport Locomotives. Davenport Locomotive Works, Davenport, Ia
Davenport Oil Engines. Davenport Mfg. Co., Davenport, Ia.
Davids Carbon Paper, Inks, Adhesive, Sealing Wax and Typewriter Ribbons. Thaddeus David's Ink Co., Inc., New York.
Davidson Ash Ejectors. M. T. Davidson Co., New York.
Davidson Exhaust Valves and Ejectors, Pumps. M. T. Davidson, Brooklyn, N. Y.
Davidson Propeller Fans. Massachusetts Blower Co., Watertown, Mass.
Davidson Stalk Cutters. Davidson-Dietrich Plow Co., Evansville, Ind.
Davis Acetylene Gas Generator. Davis Acetylene Company, Elkhart Ind.
Davis Adjustable Boring Bars. Davis Boring Tool Co., St. Louis, Mo.
Davis Baling Presses. Davis Mfg. Co., Brooklyn, N. Y.
Davis Blasting Machines. Atlas Powder Company, Wilmington, Del.
Davis Brown Gas Meter Cleaning Compounds. Standard Chemical & Supply Co., Cambridge, Mass.
Davis Cable Terminals. Standard Underground Cable Co., Pittsburgh.
Davis Camographs, Duographs, Holographs, Magnetographs, Oxygraphs, Pyrographs, Radiagraphs and Railographs. Davis-Bournonville Co., Jersey City, N. J.
Davis Car Locks. Universal Draft Gear Attachment Co., Chicago.
Davis Chairs. Davis Chair Co., Marysville, O.
Davis Churns. Vermont Farm Machine Co., Bellows Falls, Vt.
Davis & Cook Levels. S. R. Jackson, Watertown, N. Y.
Davis Cream Separators. Davis-Watkins Dairymen's Mfg. Co., North Chicago, Ill.
Davis Cylinder Reboring Jig and Reamers. The Hinckley Machine Works, Hinckley, Ill.
Davis Desk Telephone Brackets. Lee Electric Co., Baltimore, Md.
Davis Distilling Condensers. Pratt & Cady Co., Inc., Hartford, Conn.
Davis Driving Wheels. Commonwealth Steel Co., St. Louis.
Davis Duplex Power Pumps. Pratt & Cady Co., Inc., Hartford, Conn.
Davis Expansion Boring Tools. Davis Boring Tool Co., St. Louis.
Davis Flood Lamps. Western Electric Co., New York.
Davis Gears. Rodney Davis, Philadelphia.
Davis Harness Sewing Machine. Davis Sewing Machine Co., Dayton, O.
Davis Inkstands and Wells. Emry Davis, New York.
Davis Junction Boxes. Standard Underground Cable Co., Pittsburgh, Pa.
Davis Lathes. Davis Machine Tool Co., Rochester, N. Y.
Davis Levels. M. W. Robinson Co., New York.
Davis Milk Pumps. Creamery Package Mfg. Co., Chicago.
Davis Milling Machines. Davis & Thompson Co., Milwaukee.
Davis Motor Cars. Geo. S. Davis Car Co., Richmond, Ind.
Davis Oil Storage Tanks. Davis Welding & Mfg. Co., Cincinnati, O.
Davis Open Air Cable Terminals. Standard Und. Cable Co., Pittsburgh, Pa.
Davis Row-Locks. Malleable Iron Fittings Co., Branford, Conn.; Thos. Laughlin Co., Portland, Me.; Wilcox Crittenden & Co., Inc., Middletown, Conn.
Davis Scott Leather Belting. Pacific Asbestos & Supply Co., Portland, Ore.
Davis Shot Guns. Davis Warner Arms Co., New York.
Davis Solid Truss Brake Beams; 4-Point Brake Beam Supports and Safety Arms. Davis Brake Beam Company, Johnstown, Pa.
Davis Station Cable Terminals. Standard U. Cable Co., Pittsburgh, Pa.
Davis Steam and Hot Water Heaters. O. C. Davis, Racine, Wis.
Davis Steel Wheels. American Steel Foundries, Chicago.
Davis Switches. Menominee Electric Mfg. Co., Menominee, Mich.; Wesco Supply Co., St. Louis, Mo.
Davis Track Lifting Jacks. Sims & Grey Iron Works, San Francisco.
Davis Valves. Louis N. Davis, West Chester, Pa.
Davis Valves, Regulators and Steam Traps. G. M. Davis Regulator Co., Chicago.
Davoren-Denver Church Bells, Hose Nozzles and Couplings, Locomotive Injectors and Lubricators. U. T. Davoren Brass Finishing Works, Denver, Colo.
Davy Miners' Safety Lamps. American Safety Lamp & Mine Supply Co., Scranton, Pa.
Davy Bros. Hydraulic Forging Presses. United Engineering & Foundry Co., Pittsburgh.
Dawn Protector Metal Washboards. National Washboard Co., Chicago.
Dawson Corset & Shoe Lace Tipping. C. A. Luther, Pawtucket, R. I.
Day-an-ite Bed Davenport. F. S. Harmon & Co., Tacoma, Wash.
Day & Night Solar Water Heaters. Day & Night Solar Heater Co., Monrovia, Cal.
Day-Color Lamps. Western Electric Co., New York.
Day-Elder Motor Trucks. Day Elder Motors Corp., Newark, N. J.
Day Feed Water Heater. Geo. F. Day & Son, San Francisco.
Day-Glow Lighting Unit. Luminous Specialty Co., Indianapolis, Ind.
Day Imperial Rubber Mixers. J. H. Day Co., Cincinnati.
Daylight Glass Door Ovens. S. M. Howes Co., Boston.
Daylight Hog House Puttyless Windows. Milwaukee Corrugating Co., Milwaukee, Wis.
Daylight Mill White. Thompson & Co., Pittsburgh, Pa.
Daylight Projecting Screens for Moving Pictures. Edwin H. Flagg Studios, Los Angeles.
Daylight Skylights. E. Van Noorden & Co., Boston, Mass.
Daylight Washing Machines. Puffer-Hubbard Mfg. Co., Minneapolis, Minn.
Daylite Greaseless Skylight Cleaners. Anderson Specialty Co., Chicago.
Daylo Lights and Batteries. American Ever-Ready Works of the Natl. Carbon Co., Long Island City, N. Y.
Daylos Tungsten Batteries. American Ever Ready Works of National Carbon Co., Long Island City, N. Y.
Day Mechanical Dust Collectors. Day Co., Minneapolis, Minn.
Day-O-Lite Electric Fixtures. H. C. Tulley, St. Louis, Mo.
Day-Ray Auto Spot Light. Manufacturers Sales Corporation, Detroit, Mich.
Day Spark Plugs. Geo. F. Day, Boston, Mass.
Day's Battery Motors. Menominee Electric Mfg. Co., Menominee, Mich.
Day's Little Giant Grinding and Crushing Mills. J. H. Day Co., Cincinnati.
Dayton Air Compressor. The Lucas Pump & Tool Co., Dayton, O.
Dayton Airless Fire Equipment Tires. Dayton Rubber Mfg. Co., Dayton. O.
Dayton Battery Charging Dynamos, Motor Boat Lighting and Ignition Systems, Commutators, Etc. A-C Electrical Mfg. Co., The, Dayton, O.
Dayton Bicycles. Davis Sewing Machine Co., Dayton, Ohio.
Dayton Brass and Bronze Castings. Kramer Bros. Fdry. Co., Dayton, O.
Dayton Bronze Bushings, Die Castings, etc. The Dayton Bronze Bearing Co., Dayton, O.
Dayton C. & C. Bean and Pea Planters. Ohio Rake Co., Dayton, O.
Dayton Car Bells and Gongs. Dayton Mfg. Co., Dayton, O.
Dayton Car Door Fasteners, Screw Clamps, Concrete Inserts. Dayton Malleable Iron Co., Dayton, Ohio.
Dayton Car Window Curtains, Car Trimmings, **Sprayers and Whitewashers.** Dayton Mfg. Co., Dayton, O.
Dayton Cold Swaging Machines. The Excelsior Needle Co., Torrington, Conn.
Dayton Computing Scales. Computing Scale Co., Dayton, Ohio.
Dayton Concrete Inserts. Dayton Malleable Iron Co., Dayton, O.
Dayton Cushion Tires. Dayton Rubber Mfg. Co., Dayton, Ohio.
Dayton-Dowd Mills, Pumps and Tractors. Dayton-Dowd Co., Quincy, Ill.
Dayton Dynamos and Motors and Spark Coils, Auto Charging Sets and Igniters. Dayton Electrical Mfg. Co., Dayton, O.
Dayton Electric Hair Clippers. A-C Electrical Mfg. Co., Dayton, O.
Dayton Harrows, Cultivators, Planters and Hay Loaders. Ohio Rake Co., Dayton, O.
Dayton Ohio Water Heaters. Dayton Supply Co., Dayton, Ohio.
Dayton Pipe Couplings. Dayton Pipe Coupling Co., Dayton, O.
Dayton Pneumatic Tools. Dayton Pneumatic Tool Co., Dayton, O.
Dayton Rod and Tube Pointing, Tube Tapering and Wire Pointing Machines. The Excelsior Plant, successors to Excelsior Needle Co., Torrington, Conn.
Dayton Safety Car Wrench. Stevens-Adamson Mfg. Co., Aurora, Ill.
Dayton Tires. Dayton Rubber Mfg. Co., Dayton, O.
Dayton Tube Expanders and Flue Cutters. Gustav Wiedeke & Co., Dayton, Ohio.
Dayton Turbine Pumps. Union Engineering Co., Cleveland.
Dayton Water Motors. Vaile-Kilmes Co., Dayton, O.
Dayton Water Supply Systems. Dayton Pump & Mfg. Co., Dayton, O.
Daytonia Acetylene Gas Machines. St. Clair Mfg. Co., Dayton, Ohio.
Daytonia Paint Oils. The Kay & Ess Co., Dayton, O.
Dazey Churns and Ice Cream Freezers. Dazey Churn Mfg. Co., St. Louis.
Dazey Flower Holders. Dazey Manufg. Co., Los Angeles.

Dazzleine Metal Polish. American Motor Equipment Co., Boston.
Dazzler Motor Cycle Tires. Kokomo Rubber Co., Kokomo, Ind.
Dead Easy Rat Traps. Lovell Mfg. Co., Erie Pa.
Deadlock Hay Carriers. Strickler Hay Tool Co., Janesville, Wis.
Deadrise Metallic Lifeboats. Steward Davit & Equipment Corp., New York.
Dead Shot Powder. American Powder Mills, Boston.
Dead Stroke Power Hammers. Dienelt & Eisenhardt, Inc., Philadelphia, Pa.
Dead Weight Gage Testers. Star Brass Mfg. Co., Boston, Mass.
Deady Dual Disc Wheels. Powell Pressed Steel Co., Hubbard, O..
Dean Boiler Tube Cleaners. Wm. B. Pierce Co., Buffalo, N. Y.
Dean Bros. Pumps. Hodgart & Co., Chicago.
Dean Ear Corn Cutters. Sandwich Mfg. Co., Sandwich, Ill.
Dean Incinerators. Washburn & Granger, New York.
Dean Linseed Oil and Cake. American Linseed Oil Co., New York.
Dean Locomotive Sanders. United States Metallic Packing Co., Phila.
Dean Oils. American Linseed Co., New York.
Dean Pumps. Dean Bros. Steam Pump Works, Indianapolis, Ind.
Dean Sanitary Shelving. Union Steel Products Co., Albion, Mich.
Dean Shaking Grates. Washburn & Granger, New York.
Dean Tubular Boilers. Portland Co., Portland, Me.
Dean Wire Stretchers. Arcade Mfg. Co., Freeport, Ill.; Hunt, Helm, Ferris & Co., Harvard, Ill.
Dean's Automatic Rotary Flue Scraper. Sherwood Mfg. Co., Buffalo, N. Y.
Deane of Holyoke Pump. Deane Steam Pump Co., New York.
Deane Power Pumps, Sand Sifters. Worthington Pump and Machinery Corp., New York.
Deane Pumps. Worthington Pump & Machinery Corp., New York.
Deane's T Squares. E. L. Deane Machine Co., Holyoke, Mass.
Dearborn Boiler Compounds. Dearborn Chemical Co., Chicago.
Dearborn Feed Water Treatment. Dearborn Chemical Co., Chicago
Dearborn Lubricating Oils and Greases, Boiler Compounds. Dearborn Chemical Co., Chicago.
Dearborn Truck Units. Dearborn Truck Co., Chicago.
Dearborn Yarn, Floor and Twisted-in-Wire Brushes and Dusters. Dearborn Duster Co., Chicago.
Dearborn's Blind Stitch Sewing Machines. American Blind Stitch Machine Co., New York.
Dearsley Fdry. Molding Machines. Freeman Mfg. Co., Racine, Wis.
Death Grip Hay Carriers. Goshen Mfg. Co., Goshen, Ind.
Deaton Household Reminders. Kohler Die & Specialty Co., DeKalb, Ill.
De Bardeleben Pig Iron. Tennessee Coal Co., Iron & Railroad Co., Birmingham, Ala.
De Beer's Mining Skips. Lake Shore Engine Works, Marquette, Mich.
Decalcomania Transfer Name Plates. Meyercord Co., Chicago.
Decalcomanie Warning Signs. Palm Fechteler & Co., New York.
Decarbonizer Carbon Removers. Milwaukee Auto Specialty Co., Milwaukee.
Decarie Incinerators. Decarie Incinerator Co., Minneapolis, Minn.
Decatur Malleable Castings. Decatur Malleable Iron Co., Decatur, Ill.
Decker Log Loaders. Clyde Iron Works, Duluth, Minn.
Decker's Saws, Inserted Teeth. E. F. Decker Saw Works, Albany, N.Y.
Decko and Madera Bells and Gongs. J. H. Bunnell & Co., New York.
Deco Mining Machinery. Denver Engineering Wks. Co., Denver, Colo.
Decora Air Brush System. Decora Mfg. Co., Richmond, Cal.
Decora Lighting Glass. Macbeth-Evans Glass Co., Pittsburgh.
Decoresco Paints. Atlas Factories Co., Los Angeles, Cal.
Dedenda Alarm Gong. J. G. Brill Co., Philadelphia, Pa.
Deeco Sash Operators, Skylights and Ventilators. The William V. Dee Co., Bridgeport, Conn.
Deed's Metallic Packing. Pioneer Brass Works, Indianapolis, Ind
Deemer Steel Converters. Deemer Steel Casting Co., New Castle, Ind.
Deep Groove Ball Bearings. Made by The Hess-Bright Mfg. Co., supervised by S K F Industries, Inc., New York.
Deepseel Refrigerator Traps. Donley Bros. Co., Cleveland.
Deer Head Paints and Varnishes. Evansville Paint & Varnish Co., Evansville, Ind.
Deer Park Fine Ground Fire Clay. Illinois Clay Products Company, Oglesby, Ill.
Deere Cultivators, Harrows, Potato Diggers. Deere & Co., Moline, Ill.
Deerfoot Rubber Heels. Automatic Aluminum Heels Co., Boston, Mass.
Deering Binder Twine; Corn Binders; Grain Binders; Harvesters; Mowers. International Harvester Company of America, Inc., Chicago.
Deetone Spark Plugs. Walden-Worcester, Inc., Worcester, Mass.
Defender Babbit Metal. Magnolia Metal Co., New York.
Defender Barbed Wire. Keystone Steel & Wire Co., Peoria, Ill.
Defender Bearing Metal. Magnolia Metal Co., New York.
Defender Blotting Paper. Standard Paper Mfg. Co., Richmond, Va.
Defender Carbon Paper. Webster Co., F. S., Boston, Mass.
Defender Cotton Hose. Pioneer Rubber Mills, San Francisco.
Defender Hose. Pioneer Rubber Mills, San Francisco, Cal.
Defender Mill Hose. Fabric Fire Hose Co., New York.
Defender Orthochromatic Dry Plates. Defender Photo Supply Co., Rochester, N. Y.
Defender Padlocks. E. T. Fraim Lock Co., Lancaster, Pa.
Defender Piston Packing. Cancos Co., Philadelphia, Pa.
Defender Pump Sprays. C. S. Harder, Catskill, N. Y.
Defender Rubber Packing. Woven Steel & Rubber Co., Trenton, N.J.
Defender Safety Pins. Oakville Co., Waterbury, Conn.
Defender Shock Absorbers for Fords. Defender Auto Lock Co., Allegan, Mich.
Defender Windmills. Mast Foos & Co., Springfield, O.
Deferential Chain Hoists. Franklin Moore Co., Winsted, Conn.
De-Fi Carbon Paper. De-Fi Mfg. Co., New York.
Defiance Auto Variety Lathe. Wayne Machinery Co., Fort Wayne, Ind
Defiance Auto Truck Trailers. Defiance Carriage Co., Defiance, Ohio.
Defiance Belting. I. B. Williams & Sons, Dover, N. H.
Defiance Belt Lacing. Norwich Belt Mfg. Co., Norwich, Conn.
Defiance Belts; Hose; Packing; Mats; Valves; Cement. The Diamond Rubber Co., Inc., Akron, O.
Defiance Bond and Linen Ledger Paper. Byron Weston Co., Dalton, Mass.
Defiance Cultivators. Ohio Cultivator Co., Bellevue, Ohio.
Defiance Cutlery Polish, Renovators and Polishers. Dilg Mfg. and Trading Co., New York.
Defiance Daters. R. A. Stewart & Co., New York.
Defiance Desk Calendars; Paper Clips. Defiance Mfg. Co., New York.
Defiance Disc Harrows. Rock Island Plow Co., Rock Island, Ill.
Defiance Ejectors and Jet Pumps. Tranter Mfg. Co., Pittsburgh, Pa.
Defiance Lanterns. Defiance Lantern & Stamping Co., Rochester, N. Y.
Defiance Leather Belting. Norwich Belt Mfg. Co., Norwich, Conn.
Defiance Metal Working Machinery. Defiance Machine Works, Defiance, O.
Defiance Motor Trucks. Defiance Motor Truck Co., The, Defiance, O.
Defiance Oak Belting. Wm. Etsweiler & Co., Philadelphia, Pa.
Defiance Printing Machines. Defiance Check Writer Corporation, Rochester, N. Y.
Defiance Pumps. F. E. Myers & Bro., Ashland, Ohio.
Defiance Rubber Belting, Water Hose, Steam Hose and Sheet Packing. W. D. Allen Mfg. Co., Chicago.
Defiance Screw Drivers. Stanley Works, New Britain, Conn.
Defiance Veneer Tapes. The Union Selling Company, Cincinnati, O.
Defiance Wheelbarrows. Defiance Box Co., Defiance, O.
Defiance Working Heads, Spray Pumps and Pump Stands. The F. E. Myers & Bro. Ashland, O.
De Forest Radiophones. De Forest Radio Tele. & Tel. Co., Jersey City, N. J.
Deformed Concrete Bars. Witherow Steel Co., Pittsburgh, Pa.
Defy Seale Boiler Compound. Northern Insulating Co., St. Paul.
De France Locomotive Sanders. Newark Air Sand Box Co., Newark, O.
Degen's Leather Belting. L. P. Degen Belting Co., San Francisco, Calif.
Degraco Brick and Concrete Paints. Detroit Graphite Co., Detroit, Mich.
Degraco-Lite Enamel. Detroit Graphite Co., Detroit, Mich.
Degraco Paint. Detroit Graphite Co., Detroit, Mich.
Degraco-Tone Paints. Detroit Graphite Company, Detroit, Mich.
Degracolin Floor Hardener. Detroit Graphite Company, Detroit, Mich.
Degran Varnish. Keystone Varnish Co., Brooklyn, N. Y.
Dehne's Beam Clamps. Austin & Eddy, Boston, Mass.
Dehn's Floor Drains, Closet Bends, and Elbows, Grease Traps. Compound Injector & Specialty Co., Chicago.
Dehn's Softened, Injectors, Cleaners. Compound Injector & Specialty Co., Chicago.
Dehydratine Paints. Waterproof Material. Geo. W. De Smet, Chicago.
Dehydratine Waterproofing Materials. Vitrifyx Co., Chicago.
Deissler Ventilators. P. Deissler & Bro., Philadelphia, Pa.
Deister Ore Concentrators and Slime Tables. Deister Concentrator Co., Fort Wayne, Ind.
Deister-Overstrom Concentrating Tables. The Deister Concentrator Company, Ft. Wayne, Ind.
De Kalb Motor Trucks. De Kalb Wagon Co., De Kalb, Ill.
Dekoart Fabric. Du Pont Fabrikoid Co., Wilmington, Del.
Delamater Sink and Float Testing Machines. Penna Crusher Co., Philadelphia.
Delaney Stern or Rudder Frames. Delaney Forge & Iron Corp., Buffalo, N. Y.
Delany Traps. Columbus Brass Co., Columbus, O.
De Laske Fire Hose Looms. John Royle & Sons, Inc., Paterson, N. J.
De Laski Circular Looms. John Rayle & Sons, Paterson, N. J.
De Lavel Pumps and Turbines. De Lavel Steam Turbine Co., Trenton, N. J.
De La Vergne Oil Engines, Ice Machinery. De La Vergne Machine Co., New York, N. Y.
Delaware Blast Furnaces. Delaware River Steel Co., Chester, Pa.
Delaware Garden Hose. Elec. Hose & Rubber Co., Wilmington, Del.
Delaware Plunger Jigs. Wilmot Engineering Co., Hazelton, Pa.
Delaware Reclaimed Rubber. Nearpara Rubber Co., Trenton, N. J.
Delaware Rubber Hose. Elec. Hose & Rubber Co., Wilmington, Del.
Delaware Seamless Steel Tubing. Delaware Seamless Tube Co., Auburn, Pa.
Delco Engine Starters. Dayton Engng. Laboratories Co., Dayton, O.
Delco Ignition Systems. The Dayton Engineering Laboratories Co., Dayton, O.
Delco-Light Electric Lighting Plants. Delco Light Co., Div. General Motors Co., Dayton, O.
Delco Lubricating Oil. Lindsay McMillan Co., Milwaukee, Wis.
Delespo Garment Hangers. Rocky Hill Hdwe. Co., Rocky Hill, Conn.
Delhi Belting, Hose and Packing. Manhattan Rubber Mfg. Co., Passaic, N. J.
Delhi Protective Paints. Jenkins Paint & Oil Co., Norfolk, Va.
Delhi Rustless Steel. Ludlum Steel Company, Watervliet, N. Y.
Delhi Sheet Rubber Packing. Manhattan Rub. Mfg. Co., Passaic, N. J.
Delighto Stoves. Birmingham Stove & Range Co., Birmingham, Ala.
Dell Bars Washing Powder. Dellbare Mfg. Co., Chicago.
Della Robbia Tile. Trent Tile Co., Trenton, N. J.
Del Lu Zon Liquid Soap. Bonyata Chemical Co., Grinnell, Ia.
Delmarvia Garden Hose. Elec. Hose & Rubber Co., Wilmington, Del.
Delmas Welding Plates and Welding Compounds. Century Tool & Metal Co., Chicago.
Delmonico Can Openers. John H. Graham & Co., New York.
Delmonico's Ice Cream Dishers. Nicol & Co., Chicago.
Del Monte Canned Goods. Calif. Packing Corp., San Francisco.
Del Monte Sand. Del Monte Properties Co., San Francisco.
Delphos Dust Pans, Corn Poppers, Oil Cans. Delphos Mfg. Co., Delphos, O.
Delphos Non-Overflow Dispenser. Delphos Mfg. Co., Delphos, O.
Delphos Oil Cans. Delphos Mfg. Co., Delphos, O.
Delphos Two-Revolution Press and Mechanical Feeder. Droitcour & Eysenbach, Delphos, O.
Delta Anchors, Bearings, Chain Links, Cranes, Elevators, Hoists, Tongs, Trolleys, Trucks, Etc. New Jersey Foundry & Machine Co., New York.
Delta Bronze Metal. Phosphor Bronze Smelting Co., Philadelphia, Pa.
Delta Colored Cotton Waste. Massasoit Mfg. Co., Fall River, Mass.
Delta Electric Lanterns, Lamps, Flashlights; Ignition, Flashlight and Telephone Batteries; Radio Head Sets; Spotlights. Delta Electric Co., Marion, Ind.
Delta Files and Rasps. Delta File Works, Philadelphia, Pa.
Delta Padlocks. E. T. Fraim Lock Co., Lancaster, Pa.
Delta Sheet Packing and Gaskets. Quaker City Rubber Co., Phila.
Delta Spark Plugs. Delta Mfg. Co., Newark, N. J.
Delta Sugar Cane Mills. C. S. Bell Co., Hillsboro, O.
Delta Tape. D. & W. Fuse Co., Providence, R. I.
Delta Testing Instruments. Foote, Pierson & Co., New York.
Delta Utility, Swiss Pattern, Magneto, Auger Bit, and Gummer and Lister Files for Mills. Delta File Works, Philadelphia, Pa.
Deltabeston Covered Conductors. General Elec. Co., Schenectady, N. Y.
Deltabeston Magnet Wire. D. & W. Fuse Co., Providence, R. I.
Delton Grass Rugs. Deltox Grass Rug Co., Oshkosh, Wis.
Deluge Chemical Fire Engines. Prospect Mfg. Co., Prospect, O.
Deluge Hose Nozzles. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Deluge Liquid Fire Extinguishers. Fabric Fire Hose Co., New York.
De Lux Yarn Hand Dusters. Universal Brush Co., Freeport, Ill.
De Luxe Acetylene Gas Burners. American Lava Corp., Chattanooga, Tenn.
De Luxe Adding Machine. Bassett & Co., J. H., Chicago.

De Luxe Auto Bodies. Detroit Auto Products Co., Detroit, Mich.
De Luxe Automatic Water Heater. General Water Heater Corp., Los Angeles, Calif.
De Luxe Automobile Wind Shields. De Luxe Wind Shield Co., San Francisco.
De Luxe Cabinet Washing Machines. White Lily Mfg. Co., Davenport, Ia.
De Luxe Concrete Rubbish Incinerators. Weber Incinerator Co., Los Angeles, Cal.
De Luxe Electric Fan. L. Plant & Co., New York.
De Luxe Inner Automobile Tubes. Thermoid Rubber Co., Trenton, N. J.
De Luxe Japanned Ware. Schlueter Mfg. Co., St. Louis.
De Luxe Line Wall Beds. Los Angeles Wall Bed Co., Los Angeles, Calif.
De Luxe Loose Leaf Systems, Metal Parts, Etc. Wilson-Jones Loose Leaf Co., Chicago.
De Luxe Metal Polish. De Luxe Sales Co., San Francisco.
De Luxe Metal Ware. Schlueter Mfg. Co., St. Louis, Mo.
De Luxe Motors. Snacke Machine & Tool Co., Indianapolis, Ind.
De Luxe Tonneau Windshields. Whomes Mfg. Co., Los Angeles, Calif.
Deluxite. Harter Mfg. Co., Chicago.
Deluxite Lighting Fixtures. Harter Mfg. Co., Chicago.
Deluxlites Electric Light Fixtures. Harter Mfg. Co., Chicago.
Delva Hose. Cincinnati Rubber Mfg. Co., Cincinnati, O.
Demaline Trolley Splicers. Holland Trolley Supply Co., Cleveland, O.
De-Mand-A Rotary Harrow Attachments. National Harrow Co., Le Roy, Ill.
De Martini Motor Trucks. De Martini Motor Truck Co., Inc., San Francisco.
De Mayo Coal Elevators, Unloaders. De Mayo Coaling Co., New York
Demcal Variable Condenser. Caldbeck Tool & Mfg. Co., Des Moines, Iowa.
Demco Switches and Switchboards. Drendell Electrical & Mfg. Co., San Francisco.
De Mooy Sensitive Drill. The De Mooy Machine Co., Cleveland, O
Deming Pumps. The Deming Company, Salem, O.
Demon Boiler Tube Cleaners. General Specialty Co., Buffalo, N. Y.
Demon Fire Hose. Consolidated Rubber Co., Trenton, N. J.
Demon Grip Pump Rod Couplings. E. E. Johnson, St. Paul, Minn.
Demon Match Safes. Grey Iron Casting Co., Mt. Joy, Pa.
Demon Pump Rod Coupling. Edward E. Johnson, St. Paul, Minn.
Demon Sheet Packing. Hart Packing Co., Boston, Mass.
Demon Water Tube Cleaner. General Specialty Co., Buffalo, N. Y.
Demorel Spray Nozzle. Deming Co., Salem, Ohio.
Dempster Cultivators, Feed Grinders, Grain Drills. Dempster Mill Mfg. Co., Beatrice, Neb.
Dempster Pumping Jacks and Grain Drill. Dempster Mill Mfg. Co., Beatrice, Neb.
Denby Motor Trucks. Denby Motor Truck Co., Detroit, Mich.
Denison Hollow Building Tile. Cannon & Co., Sacramento, Calif.
Denison Interlocking Fire Proof Hollow Tile. Washington Brick Lime & Sewer Pipe Co., Spokane, Wash.
Denman Cord Tires. Denman-Meyers Cord Tire Co., Cleveland.
Denning Tractors. Denning Tractor Co., Cedar Rapids, Ia.
Denning's Tooth Brush and Towel Holders. Denning Mfg. Co., Cleveland.
Dennis Derricks. Bronx Derrick & Tool Co., New York.
Dennis Radial Borer. Wayne Machinery Co., Ft. Wayne, Ind.
Dennis Weather Strips. W. J. Dennis & Co., Chicago.
Dennison Baggage Checks. Dennison Mfg. Co., Boston, Mass.
Dennison Fireproof Hollow Tile. Ohio Clay Co., Cleveland, O.
Dennison Interlocking Tile. Clay Products Assn, Chicago. A. G. Kahn Brick Co. Selma Ala
Denny Improved Rider Ericsson Pumping Engines. American Machine Co., Newark, Del.
Denny Steam Traps. W. K. Mitchell & Co., Philadelphia.
Denny Tag Machinery. American Machine Co., Newark, Del.
Densemore Bronze Bearings. Oregon Brass Works, Portland, Ore.
Densmore Saw Gunners. Tanite Co., Stroudsburg, Pa.
Dentascope Lights. The Stupakoff Laboratories, Pittsburgh, Pa.
Dentus Lavatories. Crane Co., Chicago.
Denver Couplings. N O. Nelson Mfg. Co., St. Louis, Mo.
Denver Pressure Cookers and Canners. Pressure Cooker Co., Denver, Colo.
Denver Siren. Hendrie & Bolthoff Mfg. & Sup. Co., Denver, Colo.
Denzer Electric and Gas Light Fixtures. Beardslee Chandelier Mfg. Co., Chicago.
Deoleizer Water Filter. Oleite Corp., New York.
De-Ox-Ide Disinfectant. Samuel Neuman, Chicago.
Deoxidine Rust-Proofing Chemicals, Rust Solvent and Iron Steel Primer Amerian Chemical Paint Co., Philadelphia, Pa.
Deoxylite Rustless Pickle for Iron and Steel. American Chemical Paint Co., Philadelphia.
De-pa-co Paints. The Debevoise Co., Brooklyn, N. Y.
Dependabilt Power Driven Tire Pump. Rex Machine Co., Chicago.
Dependability Rivets, Bolts, Nuts. The Falls River Co., Kent, O.
Dependable Auto Parts. Dependable Mfg. Co., Streator, Ill.
Dependable Brake Lining. Puget Sound Metal Works, Tacoma, Wash.
Dependable Brand Tapes. The Mechanical Rubber Co., Cleveland, O.
Dependable Oak Belting Butts. Kistler, Leash & Co., Boston, Mass.
Dependable Rubber Belting. New York Rubber Co., New York.
Dependable Rubber Hose. Advance Hose Mfg. Co., Philadelphia, Pa.
Dependable Sash Locks. Railway Curtain Co., Chicago.
Dependable White Enameled Hampers. Household Fibre Products Corp., Brooklyn, N. Y.
Deputy Marsaut Miners' Safety Lamp. Am. Safety Lamp & Mine Supply Co., Scranton, Pa.
Derby Battery Connectors. Consolidated Railway Electric Lighting & Equipment Co., New York.
Derby Collets, Dies, Holders, Guides and Screw Plates. Butterfield & Co., Div. of Union Twist Drill Co., Derby Line, Vt.
Derby Cook Stove. B. C. Bibb Stove Co., Baltimore, Md.
Derby Fifth Wheels. Keystone Forging Co., Northumberland, Pa.
Derby Mixed Paints. Jas. H. Prince Paint Co., Boston, Mass.
Derby Oil and Grease Cups. D. T. Williams Valve Co., Cincinnati, O.
Derby Screw Plates. Butterfield & Co., Derbyline, Vt.
Dereka Paints. Debevoise Co., New York.
De Remer Turbine Water Wheels. Mine & Smelter Supply Co., New York.
Derhakes Castor Oil Axle Grease. Richardson Lubricating Co., Quincy Ill
Deringer Pistols. Remington Arms-Union Metallic Cartridge Co., New York.
De Ronde Paint and Varnish Remover. Frank S. De Ronde Co., New York.
Derr Hot Air Furnaces. Pottsville Fdry. & Stove Co., Pottsville, Pa.
Derrick Pure Manila Bull Ropes. St. Louis Cordage Mills, St. Louis, Mo.
De Senfe Dental and Surgical Instruments. Specialty Mfg. Co., New York.
Desco Copper Store Fronts. Detroit Show Case Co., Detroit, Mich.
Desert Belting. Quaker City Rubber Co., Philadelphia, Pa.
Deshlers Hide Brooms. Deshler Broom Factory, Deshler, Neb.
Deshler Rural Mail Boxes, Standardized. Deshler Mail Box Co., Deshler, O.
Des Moines Elaterite Paints and Waterproofing Materials. Elaterite Paint & Mfg. Co., Des Moines, Ia.
Desmond Boiler Injectors. Desmond-Stephan Mfg. Co., Urbana, O.
Desmond Ejectors. Desmond-Stephan Mfg. Co., Urbana, O.
Desoco Bow Separators. Detroit Socket Co., Detroit, Mich.
Desolvo Sewer and Drain Pipe Cleaner. The Chamberlain Co., Pittsburgh, Pa.
Detachable Grass Catchers. Specialty Mfg. Co., St. Paul, Minn.
Detachable Hose Racks and Reels. Specialty Mfg. Co., St. Paul, Minn.
Detco Leather Belting. Detroit Oak Belting Co., Detroit, Mich.
Detecto Sales. Jacobs Bros., New York.
Detergine Benzine Substitute. Duryea Mfg. Co., Bayonne, N. J.
Dethnel Moth Liquid Exterminator; Bedbug Liquid Exterminator; Roach and Fly Powder. U. S. Sanitary Specialties, Chicago.
Detmer Acetylene Generators. Detmer Mfg. Co., Chicago.
Detra Boiler Injectors. Stephen Roe Mfg. Co., Detroit, Mich.
Detrick Flat Suspended Boiler Arch. M. H. Detrick Co., Inc., Chicago.
Detroit Auto Batteries. Detroit Battery Co., Detroit, Mich.
Detroit Automatic Flange Lubricator. Detroit Lubricator Co., Detroit, Mich.
Detroit Automobiles. Detroit Electric Car Co., Detroit, Mich.
Detroit Batteries. Disco Electric Mfg. Co., Detroit, Mich.
Detroit Belt Lacers. Detroit Belt Lacer Co., Detroit, Mich.
Detroit Boiler Cleaners. J. F. Wing Co., Detroit, Mich.
Detroit Boiler Tubes, Locomotive Flues, Automobile and Mechanical Tubing. Detroit Seamless Steel Tube Co., Detroit, Mich.
Detroit Boilers, Tanks, Etc. John Brennan & Co., Detroit, Mich.
Detroit Car Couplers. Monarch Steel Casting Co., Detroit, Mich.
Detroit Centerless, Semi-Automatic Drilling Machines. Detroit Machine Tool Co., Detroit, Mich.
Detroit Cocks, Gauges, Oil Cups, Lubricators, Oilers, Valves, Etc. Detroit Lubricator Co., Detroit, Mich.
Detroit Detachable Weatherproof Top. Detroit Weatherproof Body Co., Pontiac, Mich.
Detroit Double D Drills. Detroit Twist Drill Co., Detroit, Mich.
Detroit Drilling Machines. Detroit Tool Co., Detroit, Mich.
Detroit Drums. Detroit Range Boiler & Steel Barrel Co., Detroit, Mich.
Detroit Electric Pump Unit. American Blower Co., Detroit, Mich.
Detroit Fire Pumps. Detroit Accessories Corp., Detroit, Mich.
Detroit Flat Arches. Schumaker-Santey Co., Boston, Mass.
Detroit Folding Scaffold Brackets. Folding Scaffold Bracket Co., Detroit, Mich.
Detroit or Graham Drill Chucks and Twist Drills. Detroit Twist Drill Co., Detroit, Mich.
Detroit Grease. O. F. Zurn Co., Philadelphia.
Detroit Grinding Wheels. Detroit-Star Grinding Wheel Co., Detroit, Mich
Detroit Heat Transformers and Steam Meters. Central Station Steam Co., Detroit, Mich.
Detroit Hoists. Detroit Hoist & Machine Co., Detroit, Mich.
Detroit Jewel Gas Ranges. Detroit Stove Works, Detroit, Mich.
Detroit Journal Boxes. Michigan Malleable Iron Co., Detroit, Mich.
Detroit Lubricating Greases. O. F. Zurn Co., Philadelphia, Pa.
Detroit Mastic Floors. Albert Grauer & Co., Detroit, Mich.
Detroit Package Sealing and Labeling Machines. Robt. Mitchell Co., Detroit.
Detroit Return and Non-Return Tilt Traps. American Blower Co., Detroit, Mich.
Detroit Row-locks. Wilcox, Crittenden & Co., Inc., Middletown, Conn.
Detroit Rubber Covered Wires. Detroit Insulated Wire Co., Detroit, Mich.
Detroit Spark Coils. Detroit Coil Co., Detroit, Mich.
Detroit Springs. Detroit Steel Products Co., Detroit, Mich.
Detroit Steam Traps. American Blower Co., Detroit, Mich.
Detroit Stokers. Detroit Stoker Co., Detroit, Mich.
Detroit Stone Filters. Hygeia Filter Co., Detroit Mich.
Detroit Trolley Wire Clamps. Ohio Brass Co., Mansfield, O.
Detroit Turntables. Detroit Hoist and Engine Co., Detroit, Mich.
Detroit Type Frogs. Drew Electric & Mfg. Co., Indianapolis, Ind.
Detroit Valves, Gauges, Lubricators. Detroit Lubricator Co., Detroit, Mich.
Detroit "V" Type Stokers. Detroit Stoker Company, Detroit, Mich.
Detroit Velocity Leather Belting. Detroit Oak Belting Co., Detroit, Mich.
Detroit Weather Strips. Frost Railway Supply Co., Detroit, Mich.
Detroit Wire Hook Belt Lacing; Belt Lacing Machines; Belt Cutters. Detroit Belt Lacer Co., Detroit, Mich.
Detroiter Automobile. Detroiter Motor Car Co., Detroit, Mich.
Devean Annunciators, Push Buttons. Stanley & Patterson, New York.
De Vean Head Sets, Loud Speakers, Transmitters, Jacks, Plugs, Etc. Stanley & Patterson, New York.
De Vean Telephone, Annunciator and Hospital Signal Systems; Radio Phones and Accessories. Stanley & Patterson, Inc., New York.
Deverall Oilers, Lamps, Fillers, Etc. Deverall Perfection Mfg. Co., Brooklyn, N. Y.
Devlin Unions. Thos. Devlin Mfg. Co., Philadelphia.
De Vilbiss Spray-painting System. The De Vilbiss Mfg. Co., Toledo, O
Devil Skin Superheated Steam Packing. Dealers Steam Packing Co., Palmyra, N. Y.
Devine Vacuum Drying Apparatus and Complete Plants for Chemical Color and Allied Industries. J. P. Devine Co., Buffalo, N. Y.
Devo Gaskets and Packing. Goetze Gasket & Packing Co., New Brunswick N. J.
Devoe Paints. F. W. Devoe & C. T. Raynolds Co., New York.
Dew-All Routing, Grinding, Shaping Machines, Etc. R. E. DeWalt, Bridgeton, N. J.
Dew Drop Petroleum. Tide Water Oil Co., New York.
Deward Non-Shrinking Tool Steels. Atlas Steel Corp., Dunkirk, N. Y.
Deward Oil Hardening Non-Shrinking Tool Steel. Atlas Steel Corp., Dunkirk, N. Y.
Dewco Ball Mills. The Denver Engineering Works Co., Denver, Colo.
Dewco Mine Timber Framing Machines. Denver Engineering Works Co., Denver, Colo.
Dewey Cement. Dewey Portland Cement Co., Kansas City, Mo.
Dewey Cultivators. Rockford Mfg. Co., Rockford, Ill.
Dewey Curtain Stretchers. Wagner Curtain Stretcher Co., Greensburg, Pa.
Dewey Firehose Reels and Racks. W. D. Allen Mfg. Co., Chicago.
Dewey Gas Heaters. Edward S. Stevenson, New Castle, Pa.
Dewey Portland Cement. Dewey Portland Cement Co., Kansas City, Mo.

Dexter Heating Stoves. Indiana Foundry Co., Inc., Indiana, Pa.
Dewey Hose Armour, Hose Racks. W. D. Allen Mfg. Co., Chicago.
Dewey Lawn Mowers. B. F. Avery & Son, Louisville, Ky.; Phila. Lawn Mower Co., Philadelphia.
Dewey Paper Cap Exploders. Wrightsville Hardware Co., Wrightsville, Pa.
Dewey Potato Planters. Potato Implement Co., Traverse City, Mich.
Dexter Clothes Washing Machines and Plow Clevises. Dexter Co., Fairfield, Ia.
Dexter Garden Cultivators and Wheel Garden Hoes. Ohio Cultivator Co., Bellevue, O.
Dexter Hose. U. S. Rubber Co., New York.
Dexter Knives. Harrington Cutlery Co., Southbridge, Mass.; T. J. Harrington, Southbridge, Mass.
Dexter Lawn Mowers. Chadborn & Coldwell Mfg. Co., Newburgh, N. Y.
Dexter Portland Cement. Dexter Portland Cement Co., Nazareth, Pa.
Dexter Valve Reseating Machines. The Leavitt Machine Co., Orange, Mass.
Dexter's Star Tissues. C. H. Dexter & Sons, Inc., Windsor Locks, Conn.
Dextro Grease Cups. The Lunkenheimer Co., Cincinnati, O.
Dey Time Register. International Time Recording Co., Endicott, N. Y.
Diabolo Cream Separators and Washing Machines. United Engine Co., Lansing, Mich.
Diabolo Gas Radiators. Pacific Heating Co., Oakland, Cal.
Diablo Lubricating Oils and Greases. Petroleum Products Co., San Francisco, Cal.
Diablo Red Sheet Packing. Pioneer Rubber Mills, San Francisco, Calif.
Diabrasive Diamond Saw Teeth. W. F. Meyers, Co., Long Island City, N. Y.
Diagonal Expansion Packing. General Asbestos & Rubber Co., Charleston, S. C.
Diagon Packing. Boston Belting Corp., Boston, Mass.
Diagraph Pencils. Eagle Pencil Company, New York.
Diagraph Stencil Cutting Machines. Diagraph Stencil Cutting Mach. Corp., St. Louis, Mo.
Diamant Punching Dies. Diamant Tool & Mfg. Co., Newark, N. J.
Diamel Refractory Products. Vitrefrax Co., Inc., Los Angeles, Cal.
Diamo-Carbo Emery Wheel Dressers. Desmond-Stephan Mfg. Co., Urbana, O.
Diamond A Axes. American Axe & Tool Co., Glassport, Pa.
Diamond Adjustable Wrenches. Frank Mossberg Co., Attleboro, Mass.
Diamond Axle Grease. Standard Oil Co. of New York, New York.
Diamond Band Saw Mills. Diamond Iron Works, Minneapolis, Minn.
Diamond Belting, Belt Dressing and Belt Cements. U. S. Nott Co., Minneapolis, Minn.
Diamond Billiard Chalk. American Crayon Co., Sandusky, O.
Diamond Boys' Axes. Mann Edge Tool Co., Lewistown, Pa.
Diamond B Shingles. Bloedel Donovan Lbr. Mills, Birmingham, Wash.
Diamond Belts; Hose; Packing; Tires; Cement. The Diamond Rubber Co., Akron, O.
Diamond-B Nail Pullers. Belden Machine Co., New Haven, Conn.; Smith & Hemenway Co., Irvington, N. J.
Diamond Bolt Anchors, Shields, Toggles and Inserts for Concrete. Diamond Expansion Bolt Co., New York.
Diamond Bolts. Diamond Expansion Bolt Co., New York.
Diamond Book Matches. Diamond Match Co., New York.
Diamond Brake Beams. Chicago Railway Equipment Co., Chicago.
Diamond Brand Alkalies. Diamond Alkali Co., Pittsburgh, Pa.
Diamond Brand Carbon Paper and Typewriter Ribbons. Miller-Bryant-Pierce Co., Aurora, Ill.
Diamond Brand Floor Brushes. Theo. B. Robertson Products Co., Chicago.
Diamond Brand Grinding Wheels. General Grinding Wheel Corp., Philadelphia, Pa.
Diamond Butchers' Cleavers. John B. Black Co., Chester, Pa.
Diamond Calcined Plaster. J. B. King & Co., New York.
Diamond Can Openers. Browne & Dowd Mfg. Co., Meriden, Conn.
Diamond Carbon and High Speed Twist Drills and Reamers. Whitman & Barnes Mfg. Co., Akron, O.
Diamond Carbon Remover. Nu-Back Mfg. Co., St. Louis, Mo.
Diamond Cast Iron Soil Pipe. A. Weiskittel & Son Co., Dept. H, Baltimore, Md.
Diamond Cement. Diamond Portland Cement Co., Cleveland, O.
Diamond Cement Mixers and Concrete Building Block Machinery. Cardington Cabinet Co., Cardington, O.
Diamond Chains. Diamond Chain & Mfg. Co., Indianapolis, Ind.
Diamond Clothes Lines. Tribble Cordage Mills, Inc., Boston.
Diamond Coffee and Spice Mills. Wrightsville Hardware Co., Wrightsville, Pa.
Diamond Conduit Wiring Rods. Diamond Expansion Bolt Co., New York.
Diamond Core and Prospecting Drills. Sullivan Machy. Co., Chicago.
Diamond Core Drills. Standard Diamond Drill Co., Chicago.
Diamond Corn and Cob Mills, Sweep Horse Powers and Tow Mill Machinery. New Winona Mfg. Co., Winona, Minn.
Diamond Cotton Mops. C. H. Ellert, Evansville, Ind.
Diamond Cotterpin Chains. Diamond Chain & Mfg. Co., Indianapolis Ind.
Diamond Crushed Steel and Steel Emery. Pittsburgh Crushed Steel Co., Pittsburgh, Pa.
Diamond Cultivator Teeth. Dyer Mfg. Co., Bell, Cal.
Diamond Cutting Oils. The Damascus Mfg. Co., Cleveland, O.
Diamond Cutting Tools. Thos. J. Dickinson, New York.
Diamond Damper Regulators and Tube Cleaners. Diamond Power Specialty Co., Detroit, Mich.
Diamond Disc Cotton Hullers. Diamond Huller Co., Winsono, Minn.
Diamond "D" Rivet Sets. Dunbar Drop Forge Co., Chicago.
Diamond Door Hanger. Grant Pulley & Hardware Co., New York; The Ellcon Company, New York.
Diamond Dredge Chain. Seattle Chain & Mfg. Co., Seattle, Wash.
Diamond Drills. Birdsboro Steel Fdry. & Mach. Co., Birdsboro, Pa.; Standard Diamond Drill Co., Chicago.
Diamond Eagle Tobacco Knives. Jno. B. Russell, Napanoch, N. Y.
Diamond Edge Pruning Shears. Nagley Mfg. Co., Lyons, N. Y.
Diamond Edge Tools. Shapleigh Hardware Co., St. Louis, Mo.
Diamond Edge Threading Tools. Kruse & Slattery Tool & Die Co., Camden, N. J.
Diamond Egg and Cream Beaters. Wickwire Spencer Steel Corp., Worcester, Mass.
Diamond Electric Lighting Outfits, Flashlights, Toys, Flashlight Batteries, Etc. Diamond Electric Specialties Corp., Newark, N. J.
Diamond Elevator Door Hangers. Grant Pulley & Hardware Co., New York.
Diamond Elbon Packing. Diamond Mechanical Rubber Goods Co., Akron, O.
Diamond Emery Wheel Dressers. Geo. Hartley, Waterbury, Conn.
Diamond E Motor Cycle Spokes. Torrington Co. Standard plant, Torrington, Conn.
Diamond E Window Ventilators. Everhard Mfg. Co., Canton, O.
Diamond Expanded Metal Lath. Milwaukee Corrugating Co., Milwaukee, Wis.
Diamond Expansion Bolts, Expansion Screw Anchors, Toggle Bolts and Diamond N. Brick Drills. Diamond Expansion Bolt Co., New York.
Diamond Expansion Bolts. New Jersey Fdry. & Mach. Co., New York.
Diamond Farm Gates. Kokomo Steel & Wire Co., Kokomo, Ind.
Diamond Feed Grinders, etc. New Winona Mfg. Co., Winona, Minn.
Diamond F Fibre, Filter and Glassine Paper. Diamond State Fibre Co., Bridgeport, Pa.
Diamond Fibre Products, Insulation, Condensite and Oil Celoron Boards, Unbreakable Combs, "Samson" Belts. Diamond State Fibre Co., Bridgeport, Pa.
Diamond Fibre Roving Cans, Waste Baskets, Trucks, Gill Box Cans, Etc. Diamond State Fibre Co., Bridgeport, Pa.
Diamond 400 Tires. Diamond Rubber Co., Inc., Akron, O.
Diamond G Aluminite, Trolley Wheels, Bath Traps, Hub Ferrules, Replaceable Ear Frogs, Journal Bearings, Babbitt Metal; Quick Acting Drain Valve and Ford Horn Button Attachment. A. Gilbert & Sons Brass Foundry Co., St. Louis, Mo.
Diamond "G" Notebook. Rockwell-Barnes Co., Chicago.
Diamond Gas Mantles. New Specialty Mfg. Co., Council Bluffs, Ia.
Diamond Grid Batteries. Philadelphia Storage Battery Co., Philadelphia, Pa.
Diamond Grid Storage Batteries. Phila. Storage Battery Co., Phila.
Diamond Grinding and Polishing Machines. Diamond Machines Co., Providence, R. I.
Diamond Grit. Pittsburgh Crushed Steel Co., Pittsburgh, Pa.
Diamond Grit Asphalt Roofing. National Roofing Co., Tonawanda, N. Y.
Diamond Grit Sand Blast Abrasives. Harrison Supply Co., Boston.
Diamond Hand and Automatic Surface Grinders and Saw Sharpening Machinery. Diamond Mach. Co., Providence, R. I.
Diamond Harness Tools, Shoemakers' Tools, Tanners' Tools. Wm. H. Horn & Bros., Philadelphia.
Diamond "H" Bit and Jar Steel. Heppenstall Forge Co., Bridgeport, Conn.; Heppenstall Forge & Iron Co., Pittsburgh, Pa.
Diamond H Glue (Cold Water Glue.) C. B. Hewitt & Bros., Inc., New York.
Diamond H Switches. The Hart Mfg. Co., Hartford, Conn.
Diamond Horseshoes, Calks and Wrenches. Diamond Horse Shoe Co., Duluth, Minn.
Diamond Hose Nozzles. H. B. Sherman Mfg. Co., Battle Creek, Mich.
Diamond Hose and Packing. Empire Tire & Rubber Co., Trenton, N. J.
Diamond Household Dies. Wells & Richardson Co., Burlington, Vt.
Diamond Hydrated Lime. Ohio & Western Lime Co., Huntington, Ind.
Diamond Ice Cream Freezers. Cardington Cabinet Co., Cardington, O.
Diamond Ice Creepers. Norlund Mfg. Co., Williamsport, Pa.
Diamond Industrial Starch and Vegetable Oils. Corn Products Refining Co., New York.
Diamond Insect and Window Screen Cloth. New Jersey Wire Cloth Co., Trenton, N. J.
Diamond I Paper Cartons, Corks, Chem. Glassware, Automatic Packaging Machinery, Etc. Illinois Glass Co., Dept. H, Alton, Ill.
Diamond J. D. Cocoa Mats and Matting. Rancocas Mills, Trenton, N. J.
Diamond J Leather Belting. Jewell Belting Co., Hartford, Conn.
Diamond K. Plumbers' Traps and Brass Tubing. F. J. Klenke Co., San Francisco.
Diamond L. Fire Alarm Signal Boxes. Chas. W. Leveridge, New York.
Diamond Lawn Fence. American Steel & Wire Co., Chicago.
Diamond Lawn Mowers. Dille & McGuire Mfg. Co., Richmond, Ind.
Diamond Leather Belting. Nott Co., W. S., Minneapolis, Minn.
Diamond Light Gasoline and Kerosene Lamps and Lanterns. Akron Gas Lamp Co., Akron, O.
Diamond Line Waste Baskets. Penn Art Steel Wks., Erie, Pa.
Diamond Lock Faucets. John Sommer Faucet Co., Newark, N. J.
Diamond Lock Lever Faucets. John Sommer Faucet Co., Newark, N. J.
Diamond Locomotive Black. Chas. R. Long, Jr., Co., Louisville, Ky.
Diamond Log Hauls, Hogs, Etc. Diamond Iron Works, Minneapolis, Minn.
Diamond Lubricators. D. T. Williams Valve Co., Cincinnati, O.
Diamond M. Logging Blocks. F. B. Mallory Co., Portland, Ore.
Diamond Market Baskets. Eastern States Package Co., Inc., Buffalo, N. Y.
Diamond Metal Screens. Diamond Mfg. Co., Wyoming, Pa.
Diamond Miscellaneous Hinges. L. F. Grammes & Sons, Inc., Allentown, Pa.
Diamond Molders' Flasks. Diamond Clamp & Flask Co., Richmond, Ind.
Diamond Motorcycle Tires. B. F. Goodrich Co., Akron, O.
Diamond N Boiler and Pipe Magnesia Coverings. Norristown Magnesia & Asbestos Co., Norristown, Pa.
Diamond N. Expansion Bolts and Drills. Diamond Expansion Bolt Co., New York.
Diamond N. Magnesia Pipe and Boiler Coverings. Norristown Magnesia & Asbestos Co., Norristown, Pa.
Diamond Nickel Anodes. Burns E. Reed, Brooklyn, N. Y.
Diamond Noiseless Poker Chips. E. E. Bechtold, Chicago, Ill.
Diamond Oak Flooring. Louisiana Long Leaf Lumber Co., Fisher, La.
Diamond Oil Black Asphalt Paints. Armstrong Paint & Varnish Works, Chicago.
Diamond Oil and Grease Cups. D. T. Williams Valve Co., Cincinnati, O.
Diamond Packing. American Steam Packing Co., Boston, Mass.
Diamond Paints. Thompson & Co., Pittsburgh, Pa.
Diamond Paper Bags. Crunden Martin Mfg. Co., St. Louis, Mo.
Diamond Paper Cutters. Challenge Machy. Co., Grand Haven, Mich.
Diamond Patent Display Cases. Weber Show Case & Fixture, Los Angeles.
Diamond Playground Equipment. Safety First Supply Co., Pittsburgh.
Diamond Plow Steel. Crucible Steel Co. of America, Pittsburgh, Pa.
Diamond Plumbers' Brackets, Stock Fountains and Valves. A. Y. McDonald Mfg. Co., Dubuque, Ia.
Diamond Prepared Plaster. United States Gypsum Co., Chicago.
Diamond Printing Presses and Paper Cutting Machines. Challenge Machy. Co., Grand Haven, Mich.
Diamond Prospecting Drills. Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Diamond Quality Welded Chains. Rowe Calk & Chain Co., Plantsville, Conn.
Diamond Ranges. Somerville Stove Works, Somerville, N. J.
Diamond Rawhide Lace Leather. Wm. Etsweiler & Co., Philadelphia, Pa.
Diamond Reversible Brake Beams. Chicago Railway Equipment Co., Chicago.
Diamond Riding Plows. International Harvester Company of America, Inc., Chicago.

Diamond Rope Lariats. Diamond Whip Co., Chicago.
Diamond S. Brake Shoes. Parker & Topping Co., Brainerd, Minn.
Diamond S. Pipe Hangers, Unions. John Simmons Co., New York.
Diamond Safety Appliances and First Aid Equipment. Safety First Supply Co., Pittsburgh, Pa.
Diamond Saw Blades and Frames, Saws. Massachusetts Saw Works, Chicopee, Mass.
Diamond Screw Plates. S. W. Card Mfg. Co., (Div. of Union Twist Drill Co.), Mansfield, Mass.
Diamond Seals. Keystone Seal & Press Co., Brooklyn, N. Y.
Diamond Self-Opening Dies. Chas. G. Allen Co., Barre, Mass.
Diamond Set Emery Wheel Dressers. Maurice S. Dessau, New York.
Diamond Shades and Reflectors. Klemm & Co., Philadelphia.
Diamond S. M. Fire Brick. Brooklyn Fire Brick Works, Brooklyn, N. Y.
Diamond Soil Pipe and Fittings. A. Weiskittel & Son Co., Baltimore, Md.
Diamond Soldering Stick and Paste. Burnley Battery & Mfg. Co., North East, Pa.
Diamond Soot Blowers. Diamond Power Specialty Co., Detroit, Mich
Diamond Special Brake Beams. Chicago Railway Equipment Co. Chicago
Diamond Special Gauge Glasses. Diamond Specialty & Supply Co., Philadelphia.
Diamond Special Linemen's Pliers. Mathias Klein & Sons, Chicago.
Diamond Steam Flue and Soot Blowers. Diamond Power Specialty Corp., Detroit, Mich.
Diamond Steam Traps; Jenkins Valves. Jenkins Bros., New York.
Diamond Steel Waste Baskets, Hampers, Letter Trays, Etc. Penn Art Steel Works, Erie, Pa.
Diamond Stop and Turn Signals. Diamond Signal Co., San Francisco.
Diamond Stove Pipe Dampers and Vises. Adams Co., Dubuque, Ia.
Diamond T Motor Trucks. Diamond T Motor Car Co., Chicago.
Diamond T Special Boiler Tubes. Tyler Tube & Pipe Co., Washington, Pa.; De Remer-Blatchford, Chicago.
Diamond Tapered Steel Pile. U. S. Metal & Mfg. Co., New York.
Diamond Tenn. Lumber, Millwork and Trim. Bristol Door & Lbr Co., Bristol, Tenn.
Diamond Tools, Tongs. Wm. H. Horn & Bro., Philadelphia, Pa.
Diamond Truck Chains. Diamond Chain & Mfg. Co., Indianapolis, Ind.
Diamond (W. & B.) Twist Drills, Reamers. The Whitman & Barnes Mfg. Co., Akron, O.
Diamond Velvet Casters. The Bassick Company, Bridgeport, Conn.
Diamond Ventilating Fans. Wm. T. Johnston Co., Cincinnati, O.
Diamond Vises. Adams Co., Dubuque, Ia.
Diamond W. Hip and Cresting Metallic Shingles. L. E. Williams, Portland, Ore.
Diamond W. Lubricating Oils. Borne-Scrymser Co., New York.
Diamond Weather Strips. Diamond Metal Weather Strip Co., Columbus, O.
Diamond Welding Plates and Powder. Cortland Welding Compound Co., Cortland, N. Y.
Diamond White Paint. Thompson & Co., Pittsburgh, Pa.
Diamond Woven Wire Fences. Hohulin Bros., Goodfield, Ill.
Diamond Wrenches. Frank Mossberg Co., Attlesboro, Mass.
Diamond X-L Fire Extinguishers. Giant Nail & Supply Co., Boston, Mass.
Diamond Z Bolts and Nuts. Scranton Bolt and Nut Co., Scranton, Pa
Diamond & Armstrong Gang Saw Edgers. Diamond Iron Works, Minneapolis, Minn.
Diamond & Dittenbenner Saw Mill Dogs. Diamond Iron Works, Minneapolis, Minn.
Diamondized Glass Cutters. Samuel G. Monce, Unionville, Conn.
Diamondless Core Drills. Ingersoll-Rand Co., New York.
Diana Lavatories. Crane Co., Chicago.
Diana Oil and Grease Cups. D. T. Williams Valve Co., Cincinnati.
Diax De-sizing Agent for Bleaching, Etc., Dyeing, Etc. Malt Diastase Co., New York.
Dibble Sight Feed Lubricators. Handlan-Buck Mfg. Co., St. Louis, Mo.
Dice Felt Rubber Mats. W H Salisbury & Co., Inc., Chicago
Dice Gasoline Engines. Dice Machine Co., Anderson, Ind.
Dichtungsgummi Sheet Packing. Strong Machinery & Supply Co., New York.
Dickbelt, Balata Belt. R. & J. Dick Co., Inc., Passaic, N. J.
Dickens Lead Pencils. American Lead Pencil Co., New York.
Dickey Door and Window Bolts. Stanley Works, New Britain, Conn.
Dickey Fanning Mills, Grain & Seed Graders. Johnson & Field Mfg. Co., Racine, Wis.
Dickey Woven Wire Brushes. Chas. E. Chapin, New York.
Dickey Duster Garden and Orchard Sprayers. Danforth Chemical Co., Leominster, Mass.
Dickey Master Tile. California Brick Co., San Francisco.
Dickinson Smoke Jack, Steam Exhaust Heads, Wall Scuppers. Aeolus Dickinson Co., Industrial Division, Paul Dickinson, Inc., Chicago.
Dickinson Ventilators. Paul Dickinson, Chicago.
Dickman Rub Irons. Defiance Machine Works, Defiance, Ohio.
Dickows 10 in. Universal Index Cutters. Fred C. Dickow, Chicago.
Dick's Feed Cutters. Jos. Dick Mfg. Co., Canton, Ohio.
Dick's Hardware Specialties. Dick's Stamping Co., Inc., Buffalo, N. Y.
Dick's Original Balata, Gutta Percha and Canvas Belting. R. & J. Dick Co., Passaic, N. J.
Dicksteph Cast Iron Brand Brazing Flux. Economy Welding Machine Co., Kansas City, Mo.
Di-Co Mats. The Diamond Rubber Co., Inc., Akron, O.
Dictaform Card Index. Mellicke Calculator Co., Chicago.
Dictaphone Dictating Machines. Columbia Graphaphone Co., N. Y.
Dictator Pens and Pencils. Dictator Fountain Pen Co., Inc., New York.
Dictograph Head Sets and Loud Speakers. Dictograph Products Corp., New York.
D-L-E Cast Iron Piston Rings. S. W. Merritt Co., New York.
Dieckmann Conductor Pipe Elbows and Shoes. The Ferdinand Dieckmann Co., Cincinnati, O.
Diehl Electric Motors, Generators, Fans and Dynamometers. Diehl Mfg. Co., Elizabeth, N. J.
Diehl Sander. E. & B. Holmes Machinery Co., Buffalo, N. Y.
Diefendorf Gears. Diefendorf Gear Corp., Syracuse, N. Y.
Dielectric Electric Cable Compounds and Metal Polish; Insulating Varnishes. Dielectric Mfg. Co., St. Louis.
Dielectric Underground Conduits. Dielectric Co. of America, Belleville, N. J.
Di-el-ite Resistance Units and Standard Resistors. Wirt Co., Phila.
Di-En-Key-Bolts. Diamond Expansion Bolt Co., New York.
Di-en-key Brass and Iron Expansion Bolts. Diamond Expansion Bolt Co., New York.
Die Run Pig Lead. St. Joseph Lead Co., New York.
Dienst Concrete Hoppers. A. P. Dienst Co., Inc., New York.
Diesel Oil Engines. McIntosh & Seymour Corp., Auburn, N. Y.; Midwest Engine Co., Indianapolis.
Diesel Type Oil Engines. New London Ship & Engine Co., Groton, Conn.
Dietz Hub Bands. Eastern Malleable Iron Co., Naugatuck, Conn.
Dietz Motor Truck Headlights. R. E. Dietz Co., New York.
Dietzgen Transits and Levels. Eugene Dietzgen Co., Chicago.
Diffuselite Paint, Blinds and Lighting Fixtures. J. G. Wilson Corp., New York.
Diffuselite Venetian Blinds. H. B. Dodge & Co., Chicago.
Diffuso Shades. Shurlox Awning & Shade Co., Chicago.
Digger Shovels. Frick & Lindsay Co., Pittsburgh.
Dighton Stoves. Dighton Foundry Co., Taunton, Mass.
Digwell Pattern Post Hole Augers. Eureka Digger Co., Chicago.
Dikeman Chain Attachment Drills. M. W. Robinson, New York.
Dikeman Floor Scrapers and Saw Clamps. Dikeman Mfg. Co., Norwalk, Conn.
Dilg Cutlery Polish. Dilg Mfg. & Trading Co., New York.
Dill Slotting Machines. T. C. Dill Machine Co., Philadelphia, Pa.
Dill Tire Valves and Valve Parts; Instant-on Dust-and-Valve Cap. The Dill Mfg. Co., Cleveland, O.
Dillig Underground Coal Loader. Dillig Engineering Co., Pittsburgh, Pa.
Dillon Electric Grinders. Dillon Electric Co., Canton, O.
Dillon Railroad Fences and Wire Stretchers. Northwestern Barb Wire Co., Sterling, Ill.
Dillon Relocking Burglar Proof Vault and Safe Locks. Dillon Lock Works, Fort Dodge, Ia.
Dillon Wire Fence Stretchers. Northwestern Barb Wire Co., Sterling, Ill.
Dilworth Tie Plates. Dilworth, Porter & Co., Pittsburgh, Pa.
Dim-A-Lite. Wirt Co., Germantown, Philadelphia, Pa.
Dime Door Checks. Caldwell Mfg. Co., Rochester, N. Y.
Di-Mel-Ine Paints and Enamels. Montauk Paint Mfg. Co., Brooklyn, N. Y.
Dimo Grit Oil Stones, Emery Tool Grinders. Luther Grinder Mfg. Co., Milwaukee.
Dimo-Grit Sharpening Wheels. Luther Grinder Mfg. Co., Milwaukee, Wis.
Dimo-Special Food Grinders. Luther Grinder Mfg. Co., Milwaukee.
Dimunette Check Protectors. Defiance Check Writer Corp., Rochester, N. Y.
Dinamo Bearing and Babbit Metal. Magnolia Metal Co., New York.
Dingee-Woodbury Sweep Horse Powers. Advance Rumley Co., La Porte, Ind.
Dingo Red Sheet Packing. John M. Watts Sons, Philadelphia.
Dings "High Intensity" Magnetic Separators. Dings Magnetic Separator Co., Milwaukee, Wis.
Dinkel Steam Traps. Schutte & Koerting Co., Philadelphia.
Dione Baths. Crane Co., Chicago.
Diozine Stain Remover. Diozine Chemical Co., Ludlow, Vt.
Direct Action Gas Stoves. National Stove Co., Lorain, Ohio.
Direct Chain Hoists. Chisholm & Moore Mfg. Co., Cleveland, O.
Direct Differential Pulley Block. Chisholm-Moore Mfg. Co., Cleveland, O.
Direct Drive Conductor Pipe Hooks. Milwaukee Corrugating Co., Milwaukee.
Direct Jet Gas Appliances. Johnson Gas Appliance Co., Cedar Rapids, Ia.
Direct Water Systems. The F. E. Myers & Bro. Co., Ashland, O.
Director Lawn Mowers. F. & N. Lawn Mower Co., Richmond, Ind.
Direk Light Fuel Level Indicator. Kent-Moore Organization, Detroit.
Direx Photographic Films and Plates. Positype Corp. of Am., Cleveland.
Dirigo Boat Anchors, Hoists and Swivel Hooks, Wire Rope, Clips and Ship Water Closets. Thos. Laughlin, Portland, Me.
Dirigo Copper Floats. William Briggs, Brooklyn.
Dirigo Silos. Stevens Tank & Tower Co., Auburn, Me.
Dirigo Solderless Copper Floats. Boston Brass Co., Waltham, Mass.
Dirubco Belts; Hose. The Diamond Rubber Co., Inc., Akron, O.
Disappearing Door Wardrobe. The J. G. Wilson Corp., New York.
Disbrow Creamery Churns. Oakes & Burger Co., Cattaraugus, N. Y.
Disc Strain Insulators. Electrose Mfg. Co., Brooklyn, N. Y.
Disc Ventilating Fans. L. J. Wing Mfg. Co., New York.
Disc Water Meters. Hersey Mfg. Co., Boston, Mass.
Disco Two-Unit Starting and Lighting System. Disco Electric Starter Corporation, Detroit, Mich.
Disfico Board and Insulation. Diamond State Fibre Co., Bridgeport, Pa.
Dis-Pro Gasoline Engines. Disappearing Propeller Boat Corp. of New York, North Tonawanda, N. Y.
Disston's Saws. Henry Disston & Sons, Philadelphia.
Distance-Speed Recorder. Distance Speed Recording Co., New York.
Disteel Steel Disc. Motor Wheel Corp, Lansing, Mich.
District Plows. Collins Plow Co., Quincy, Ill.
Ditto Duck and Crow Calls. Charles H. Ditto, Keithsburg, Ill.
Ditto Duplicator Device. Ditto, Inc., Chicago.
Divine Cushion Wheels and Truck Casters. Divine Bros. Co., Inc., Utica, N. Y.
Divine Tires and Water Motors. Divine Bros. Co., Utica, N. Y.
Dix Door Hangers. Dix Mfg. Co., Baltimore.
Dixie Annunicators, Bells, Buzzers and Floor Treads. Edwards & Co., Inc., New York.
Dixie Anti-Friction Babbitt Metal. Smith-Courtney Co., Richmond, Va.
Dixie Automatic Grease Cups. W. D. Allen Mfg. Co., Chicago.
Dixie Belt Fasteners and Lacing. Columbus Novelty Co., St. Louis.
Dixie Belting. Chas. A. Schieren Co., New York.; Gandy Belting Co., Baltimore.
Dixie Building Brick. Sumter Brick Works, Sumter, S. C.
Dixie Clay. R. T. Vanderbilt Co., New York.
Dixie Cultivators. Whitaker Mfg. Co., Chicago.
Dixie Cups. Individual Drinking Cup Company, Inc., Easton, Pa., and New York City.
Dixie Exhaust Heads Oil Filters. Dixie Mfg. Co., Baltimore, Md.
Dixie Flyer Electric Automobiles. Kentucky Wagon Mfg. Co., Louisville.
Dixie Force Pumps. Barnes Mfg. Co., Mansfield, O.
Dixie French Buhr Stone Mills. Nordyke & Marmon Co., Indianapolis.
Dixie High-Tension Magneto. Sumter Electrical Co., Chicago.
Dixie Lamp Wicks. Massasoit Mfg. Co., Fall River, Mass.
Dixie Leather Belting. Schieren Co., Chas. A., New York.
Dixie Magnetos. Sumter Electrical Wks., Sumter, S. C.
Dixie No Tuft Mattress. L. W. Stockwell Co., Los Angeles.
Dixie Oil and Grease Cups. D. T. Williams Valve Co., Cincinnati.
Dixie Packing. General Asbestos & Rubber Co., Charleston, S. C.
Dixie Planer Leather Belting. Bonner & Barnewall, Inc., New York.
Dixie Plows. Starke's Dixie Plow Works, Inc., Richmond, Va.
Dixie Queen Garden Barrows. Chattanooga Wheelbarrow Co., Chattanooga, Tenn.

Dixie Roof Flashings and Hot Water Heaters. Southern Mfg. Co., Birmingham, Ala.
Dixie Spring Tooth Harrows. Wirtz & Hernlen, Augusta, Ga.
Dixie Steel Table-Tops. Chattanooga Stamping & Enameling Co., Chattanooga, Tenn.
Dixie Texture Brick. Sumter Brick Wks., Sumter, S. C.
Dixie Trailers. Council Tool Co., Wananish, N. C.
Dixie Transformers and Push Buttons. Edwards & Co., New York.
Dixie 20th Century Magneto. Splitdorf Electrical Company, Newark, N. J.
Dixie Ventilators. Dowman-Dozier Mfg. Co., Atlanta, Ga.
Dixie Well Buckets. Richmond Cedar Works, Richmond, Va.
Dixie Wire Belt Hooks. Columbia Novelty Mfg. Co., St. Louis, Mo.
Dixie Wonder Cultivators. International Harvester Company of America, Inc., Chicago.
Dixon Fly Traps. Reynolds Wire Co., Dixon, Ill.
Dixon Lawn Mowers. Clipper Lawn Mower Co., Dixon, Ill.
Dixon Radiator Shields. Monash-Younker Co., Chicago.
Dixon's Belt Dressing, Crucibles, Graphite Greases, Iron and Steel Preserving Paints, Pipe Joint Compounds, Plumbago, Graphite, Brushes. Jos. Dixon Crucible Co., Jersey City, N. J.
Dixon's Crayons, Crucibles, Axle Grease, Plumbago, Belt Dressing, Stove Polish and Paints for Coating. Jos. Dixon Crucible Co., Jersey City, N. J.
Dixon's "Vanad-Iron" Castings. H. L. Dixon Company, Pittsburgh, Pa.
Djorup Sanitary Flooring. Djorup Sanitary Flooring Co., Chicago.
D Light Farm Lighting Sets. H. C. Dodge, Inc., Boston, Mass.
D'Light Lighting Fixture. Wizard Electric Lamp Co., San Francisco.
Doane Motor Trucks. Doane Motor Truck Co., San Francisco.
Dobbie Derricks and Hoists. Dobbie Fdry. & Mach. Co., Niagara Falls, N. Y.
Dobbins Core Drills. The Dobbins Core Drill Co., Inc., New York.
Dobbins Hot Air Furnaces. Simons-Leedle Co., Marshall, Mich.
Dobco Leather Belting. Druid Oak Belting Co., Inc., Baltimore, Md.
Dobeco Leather Belting. Detroit Oak Belting Co., Detroit, Mich.
Doble Steam Automobile. General Engineering Co., Detroit, Mich.
Doble Steam Cars. Doble Steam Motors, San Francisco.
Doblers Fasteners. W. W. Woodruff & Sons Co., Mt. Carmel, Conn.
Dobson's Molders' Tools. Wm. Dobson, Canastota, N. Y.
Dockash Stoves and Ranges. Scranton Stove Works, Scranton, Pa.
Dr. Braun's Packing. Combination Rubber Mfg. Co., Bloomfield, N. J.
Dr. Geo. W. Crele Rubber Window Cleaners. B. F. Goodrich Co., Akron, O.
Dr. George W. Crele Patent Pneumatic Pressure Rubber Suits. B. F. Goodrich Co., Akron, Ohio.
Dr. Horn Tachometers. Foxboro Company, The, Foxboro, Mass.
Dr. Leavitt Pig Forceps. Leavitt Mfg. Co., Urbana, Ill.
Dr. Mendenhall's Pig Forceps. Wm. E. Pratt Mfg. Co., Chicago.
Dr. Schmitz's Monopole Oils. Wolf, Jacques & Co., Passaic, N. J.
Dr. Scott Safety Razors. Pall Mall Electric Co., New York.
Dr. Whedon's Paper Towels. Tuttle Press Co., Appleton, Wis.
Dodd System Lightning Rods. Dodd & Struthers, Des Moines, Iowa.
Dodds Packing. Bowers Rubber Works, San Francisco.
Dodds Tilting Saw Table. Alexander Dodds Co., Grand Rapids, Mich.
Dodge Automatic Tripping Hooks, Cable Chain and System of Coal Storage. Link-Belt Co., Chicago.
Dodge Automobiles. Dodge Bros., Detroit, Mich.
Dodge Blackboard Surfacing Material. American Soapstone Finish Co., Chester Depot, Vt.
Dodge-Collins Compression Couplings. Dodge Sales & Engineering Co., Mishawaka, Ind.
Dodge Gravity Evacuator Paper and Pulp Mill Machinery. Walter H. Bowes Co., Inc., Norwalk, Conn.
Dodge Portable Air Compressors. C. R. Dodge & Co., New York.
Dodge Rock Jaw Crusher. Kennedy Van Saun Mfg. & Eng. Corp., New York.
Dodge Roll Jaw Crusher. Kennedy Van Saun Mfg. & Eng. Corp., New York.
Dodge Turret Lathes. S. A. Woods Machine Co., Boston 27.
Do-Di Brass Die-Castings. Doehler Die-Casting Co., Brooklyn, N. Y.
Dodson Hame Chain. Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Dods Piston Packing. Bowers Rubber Works, San Francisco, Cal.
Doehler Aluminum Die-Castings, Babbitt-Lined Bronze Bearings and White Metal Die-Castings. Doehler Die-Casting Co., Brooklyn, N.Y.
Doelger & Kirsten All-Steel Shears. Doelger & Kirsten, Milwaukee, Wis.
Doerner Silver Steel Razors. W. L. Reger, Reading, Pa.
Doerr Topem Putter Golf Clubs. Laclede Brass Works, St. Louis.
Doggett's Perfection Parting Compounds. Stanley Doggett, New York.
Dogwood Belting. Hewitt Rubber Co., Buffalo, N. Y.
Doherty-Eldred Lime Burning Kilns. Improved Equipment Co., New York.
Doherty Self Closing Cocks and Bibbs. Peck Bros. & Co., New Haven, Conn.
Dolbers Storm Sash Hangers. W. W. Woodruff & Sons Co., Mt. Carmel, Conn.
Dole & Demings Spoke Tenoning Machines. Silver Mfg. Co., Salem, Ohio.
Dole Double Compression Couplings. Dole Valve Co., Chicago.
Dolge Formaldehyde Disinfecting Candles. The C. B. Dolge Co., Westport, Conn.
Do-Lite Babbitt-Lined Aluminum Bearings. Doehler Diecasting Co., Brooklyn, N. Y.
Dollar Brand Shovels. Baldwin Tool Wks., Parkersburg, W. Va.
Dollarpoint Mechanical Pencil. Dollar Point Pencil Corp., Los Angeles.
Dolphin Atlantic Rubber Covered Wire. Atlantic Insulated Wire & Cable Co., Stamford, Conn.
Dolphin Drinking Fountains. Crane Co., Chicago.
Dolphin Insulated Wire. Atlantic Insltd. Wire & Cable Co., New York.
Dolphin Leather Belting. Mac Watty Belting Co., Providence, R. I.
Dolphin (Texaco) Lubricating Oil. The Texas Company, New York.
Dolphin Waterproof Leather Belting. H. N. Cook Belting Co., San Francisco, Calif.
Dolph's Insulating Varnishes. John C. Dolph Co., Newark, N. J.
Dolph's Universal Preservative. John C. Dolph Co., Newark, N. J.
Domes of Silence Sliding Furniture Casters. Henry W. Peabody & Co., New York.
Domestic Clothes Washing and Household Ironing Machines. Domestic Laundry Equipment Corp., New York.
Domestic Electric Irons. Chicago Flexible Shaft Co., Chicago.
Domestic Electric Motors. Domestic Electric Co., Cleveland, Ohio.
Domestic Extractor for Clothes Drying. H. E. Williamson Co., San Francisco.
Domestic Fire Extinguisher. American La France Fire Engine Co., Elmira, N. Y.
Domestic Gas Engines. Domestic Eng. & Pump Co., Shippinsburg, Pa.
Domestic Hot Water Generators. Fred A. Tyler, Albany, N. Y.
Domestic Internal Combustion Engines. Domestic Engine & Pump Co., Shippensburg, Pa.
Domestic Pumping Machines. Domestic Engine & Pump Co., Shyspensbury, Pa.
Domestic Rubber Hose. W. H. Salisbury Co., Inc., Chicago.
Domestic Spice Mills. Wrightsville Hdwe. Co., Wrightsville, Pa.
Domestic Sunshine Steel Ranges. Reading Stove Wks., Reading, Pa.
Domestic Vacuum Cleaners and Carpet Sweepers. Domestic Vacuum Cleaner Co., Torrington, Conn.
Domic Indirect Water Heaters. Central Radiator Co., New York.
Dominant Locomotive Stoker. Standard Stoker Co., New York.
Dominion Acid Proof Belting Mfrs., Gauge Glasses, Gum and Fibrous, Gasket Pistons and Valve Rod Plunger Pumps, Engines, Etc., Sheet Packing. Darcoid Co., New York.
Dominion Belting, Packing, Gaskets, Hose, Pump Valves, Millboard, Etc. Dominion Asbestos & Rubber Corp., New York.
Dominion Brake Lining, Brake Blocks, Shock Absorbers. Dominion Asbestos & Rubber Corp., New York.
Dominion Fuses. Central Railway Signal Co., Pittsburgh, Pa.
Domino Sheet Packing. Dominion Asbestos & Rubber Corp., New York.
Donaldson Crucible Furnaces. Denver Fire Clay Co., Denver, Colo.
Donaldson Harvesters, Beet Pullers, Farm Boilers. Donaldson Bros., Mt. Clemens, Mich.
Donavan Floor Drains. Sanitas Mfg. Co., Boston.
Donegal Gate Latches and Gate Hinges. Grey Iron Casting Co., Mt. Joy, Pa.
Donkey Packing. Quaker City Rubber Co., Philadelphia, Pa.
Donlee Electric Irons. Donnelly Mach. Co., Brockton, Mass.
Donley Ash Dumps, Brick Carriers, Clamps, Chimney Cowls, Coal Chutes, Fireplace Dampers, Etc., Joist Anchor and Timber Caps, Kitchen Sinks and Sewer Pipe Strainers. Donley Bros. Co., Cleveland.
Donnelly Christmas Tree Holders. C. H. Miller Hdwe. Co., Huntington, Pa.
Donnelly Linemen's Climbers. Blakeslee Forging Co., Plantsville, Conn.
Donovan Floor Flanges. Trenton Potteries Co., Trenton, N. J.
Don't Worry Closet Seats. Peerless Selling Co., Evansville, Ind.
Dooley Lightning Rods and Fixtures. Dooley Lightning Rod Co., Topeka, Kans.
Dooley Steel Toe-calks. P. F. Burke, Boston.
Doolittle Viscosimeters. Elmer & Amend, New York.
Doolittle's Viscosimeters. Geo. D. Felt & Co., Philadelphia.
DooR-Ware Trim for Sliding Barn Door. Richards-Wilcox Mfg. Co., Aurora, Ill.
Dopp Kettles, Mixers, Vacuum Pans, Soap Making Machinery. Sowers Mfg. Co., Buffalo, N. Y.
Dora Blast Furnaces. Va. Iron, Coal & Coke Co., Roanoke, Va.
Doran Arc, Gasoline Lamps. Acorn Brass Mfg. Co., Chicago.
Dorchester Extension Ladders. Frizell Ladder Co., Boston.
Doric Baths and Lavatories. Crane Co., Chicago, Ill.
Doric-All-One Illuminating Glassware, Etc. Jefferson Glass Co., Chicago.
Doriclite Illuminating Glassware, Etc. Jefferson Glass Co., Chicago.
Dorite Magnesite Products. Dorite Mfg. Co., San Francisco.
Dorloc Elevator Safety Devices. Franz A. Boldtcher, New York.
Dorman's Peerless Rubber Vulcanizers. J. F. W. Dorman Co., Baltimore, Md
Do Ro Belt Dressing and Boiler Compounds. Doermann Roehrer Co., Cincinnati.
Dorr Cyanide Plants, Diaphragm Pumps, Continuous Thickeners, and Slime Classifiers. Dorr Co., Denver, Colo.
Dorrance Rocking Grate Bars, Smokeless Furnaces and Trolley Shock Absorbers. Chas. J. Dorrance, Chicago.
Dorris Automobiles and Trucks. Dorris Motor Car Co., St. Louis, Mo.
Dorrite Electrical Insulating Compounds. Insulation Co., Jersey City, N. J.
Dorr-Miller Differential. Toledo Automotive Products Co., The, Toledo, O.
Dorsey Electrical Mixer—Mechanical Specialty. National Company, Cambridge, Mass.
Dorsey Milk Bottle Caps. Roberts Lightning Mixer Co., Boston.
Dort Motor Cars. Dort Motor Car Co., Flint, Mich.
Dosch Wood Trimmer. Smith & Egge Mfg. Co., Bridgeport, Conn.
Dot Fasteners; Lubricators. Carr Fastener Co., Cambridge, Mass.
Doty Washing Machines. Doty Mfg. Co., Dayton, O.
Double Action Board Clips. L. F. Grammes & Sons, Allentown, Pa.
Double Action Crown Ice Cream Freezers. North Bros. Mfg. Co., Philadelphia.
Double Angle Foundry Chaplets. Combined Supply & Equipment Co., Buffalo, N. Y.
Double Blade Chopping Knives. Cassday Fairbank Mfg. Co., Chicago.
Double Body Bolsters and Platforms. Commonwealth Steel Co., St. Louis, Mo.
Double-Chamber Furnaces. Monarch Engr. and Mfg. Co., Baltimore, Md.
Double Cylinder Engines. Herschell-Spillman Co., N. Tonawanda, N. Y.
Double Diamond Auto Parts and Fittings. Automotive Gear Works, Atlanta, Ga.
Double Diamond Rubber Hose and Packing and Belting. New York Belting & Packing Co., New York.
Double Diamond Tires. The Diamond Rubber Co., Inc., Akron, O.
Double Duty Ring and Twister Travelers. National Ring Traveler Co., Providence, R. I.
Double-Duty Sprocket Wheels. Link-Belt Co., Chicago, Philadelphia, Indianapolis.
Double Eagle Push Buttons. F. H. Lovell & Co., Arlington, N. J.
Double Edge Box Strapping. Stanley Works, New Britain, Conn.
Double End Feed Carriers. Louden Mach. Co., Fairfield, Ia.
Double-End Snow Plow. Wilder Snow Plow & Mfg. Co., Columbus, O.
Double Falcon Wrenches. Yost Electric Mfg. Co., Toledo, O.
Double Fan Seeders and Sowers. Cyclone Seeder Co., Urbana, Ind.
Double Grip Auto Chains. Woodworth Specialties Co., Binghamton, N. Y.
Double Grip Drill Chucks. Westcott Chuck Co., Oneida, N. Y.
Double Grip Guy Clips. Lamson & Sessions Co., Cleveland.
Double Jack Wire Stretchers. American Steel & Wire Co., Chicago.
Double Jacket Fire Hose. Mechanical Rubber Co., Cleveland, O.
Double Jaw Tapping Attachment and Tapping Machines. Wm. L. Procunier, Chicago.
Double Jet Alcohol Blow Pipes. Turner Brass Works, Sycamore, Ill.
Double Jet Gasoline Blow Torches. Turner Brass Works, Sycamore, Ill.
Double Label Mineral Brown. Prince Mfg. Co., Bownanstown, Pa.
Double Needle Fire Pots. Clayton & Lambert Mfg. Co., Detroit, Mich.
Doublequick Car Paints. Wadsworth-Howland Co., Chicago.

Double Quick Backfiller. Waterloo Cement Machy. Co., Waterloo, Ia.
Double Quick Egg and Cream Beaters. Roseland Can & Specialty Co., Rockford, Ill.
Double Quick Ice Cream Freezer. Richmond Cedar Wks., Richmond, Va.
Double Race Ball Bearing Casters. H. Zering Mfg. Co., Cincinnati, O.
Double Ridge Ignition Cable. Boston Insulated Wire & Cable Co., Boston.
Double Seal Piston Rings. Double Seal Piston Ring Co., Chicago.
Double Service Water Filter. Everson Filter Co., Chicago.
Double Special Tool Steel for Cutting Tempered Steel, Chilled Iron, Etc. Halcomb Steel Co., Syracuse, N. Y.
Double Tape Safety Fuse. E. I. du Pont de Nemours & Co., Inc., Explosives and Smokeless Powder Depts., Wilmington, Del.
Double Tight Hose Clamps. United Steel & Wire Co., Battle Creek, Mich.
Double Tight Joint. Hodgart & Co., Chicago.
Doubletite Paint Cans. Am. Can Co., New York.
Double Tone Stains. R. F. Johnston Paint Co., Cincinnati, O.
Double Truss Brakes. Double Truss Cornice Brake Co., Buffalo, N. Y
Double-White White Coating. Samuel Cabot, Inc., Boston.
Douds Blow-off Valves, Boiler Injectors, Cellar Drainers, Flexible Joints. Frank C. Douds & Co., New Castle, Pa.
Doughboy Jacks. McKiernan-Terry Drill Co., New York.
Doughboy Wheat Flour. Mennel Milling Co., Toledo, O.
Dougherty Cocks and Bibbs. Peck Bros. & Co., New Haven, Conn.
Douglas Chair Seats. Blair Veneer Co., North Troy, Vt.
Douglas Hydrants, Pumps, Rams. K. & B. Douglas, Middletown, Conn.
Douglas Motor Trucks. Douglas Motors Corp., Omaha, Neb.
Douglas Wood Pipe. Canal Lumber Co., Seattle, Wash.
Douglass Fir Piles. St. Paul & Tacoma Lumber Co., Tacoma, Wash.
Dover Duplex Combination Funnel and Measure. Dover Stamping & Mfg. Co., Cambridge, Mass.
Dover Fire Brick. Dover Fire Brick Co., Cleveland, O.
Dover Oil and Ash Cans and Fog Horns. Dover Stamping & Mfg. Co., Cambridge, Mass.
Dover Pig Iron. Dover Iron Co., Bear Springs, Tenn.; The Hanna Furnace Co., Dover, O.
Dover Pinion Pullers. George W. Dover, Providence, R. I.
Dover-Smith Combination Stove Pipe. The Reeves Mfg. Co., Dover, O.
Dover Stove Pipe. The Reeves Mfg. Co., Dover, O.
Dovetail Lath. Hicks Dovetail Lath Co., Inc., Los Angeles, Calif.
Dow Cold Rolling Disc Sharpeners. Gould Balance Valve Co., Kellogg, Ia.
Dow Conveyors, Package Chutes, Auto Accessories, Etc. Dow Co., Louisville, Ky.
Dow Law Cotton Planters. Towers & Sullivan Mfg. Co., Rome, Ga.
Dow Magnetos. Dow Mfg. Co., Braintree, Mass.
Dow Pumps and Engines. Dow Pump & Diesel Engine Co., Alameda, Calif.
Dowagiac Fishing Rods. Jas. Heddon & Son, Dowagiac, Mich.
Dowagiac Grain Drills. Dowagiac Drill Co., Dowagiac, Mich.
Dowco Insecticide. The Dow Chemical Co., Midland, Mich.
Dowdall Elevators. Chas. E. Dowdall, New York.
Dowden Potato Diggers. Dowden Mfg. Co., Ltd., Prairie City, Ia.
Dowflake Calcium Chloride. The Dow Chemical Co., Midland, Mich.
Dowmetal Pistons for Automobiles. The Dow Chemical Co., Midland Mich.
Downie Deep Well Pumps and Centrifugal Pumps. Keystone Driller Co., Beaver Falls, Pa.
Downing Card Holders. Western Railway Equipment Co., St.Louis, Mo.
Doxsee Automobile Locks. Mosel Mfg. Co., Kensington, Conn.
Doylestown Fodder Cutters. Doylestown Agricultural Wks., Doylestown, Pa.
Draco (Texaco) Lubricating Oil. The Texas Co., New York.
Draeger Mine Rescue Apparatus. American Atmas Corp., New York.
Draftac Spark Arrester Netting for Locomotive Front Ends. W. S Tyler, Co., Cleveland, O.
Dragon Carriage Axles and Automobile Springs. Sheldon Axle & Spring Co., Wilkes-Barre, Pa.
Dragon Cement. Lawrence Portland Cement Co., Siegfried, Pa.
Dragon Dextrine, Paste, Soluble Oils, Textile Finishing Gum and Size. General Adhesive Mfg. Co., Inc., New York.
Dragon Flax Packing. Quaker City Rubber Co., Philadelphia, Pa.
Dragon Lubricators. D. F. Williams Valve Co., Cincinnati, O.
Dragon Oil and Grease Cups. D. T. Williams Valve Co., Cincinnati, O.
Dragon Packing. Boston Belting Corp., Boston.
Dragon Portland Cements. Lawrence Portland Cement Co., New York
Dragon Storage Batteries. Englert Mfg. Co., Pittsburgh, Pa.
Drainable Gages. Bogardus Co. Chicago.
Drake-Castle Boiler Lugs. A. M. Castle & Co., Chicago.
Drake Lock-Nuts. Drake Lock Nut Co., Cleveland, O.
Drake Nuts. Western Screw and Lock Nut Co., San Francisco, Cal.
Drake Process Paper Cans. Seamless Container Co., Hartford, Conn
Draper Improved Flue Rattler or Flue Cleaner; Pneumatic Flue Weeders; Pneumatic Tube Welders for Locomotive Superheater Tubes; Valve Facing Tools; Ball Union or Flexible Joints; Ball Check Valves; Hollow Balanced Brass Balls; Flue Reclaiming Attachments; Pneumatic Locomotive Turntable Motors. Draper Mfg. Co., Port Huron, Mich.
Draper Pneumatic Flue Welders, Expansion Joints and Flexible Joints. Draper Mfg. Co., Port Huron, Mich.
Draper & Hall Grinders. Draper & Hall, Middletown, Conn.
Drapers Pen Registering Hydrometers. The Draper Mfg. Co., New York.
Draughting Pencils. Eagle Pencil Company, New York.
Draver Scroll Mills. Wolf Co., Chambersburg, Pa.
Dreadnaught Automobile Bumpers. Metal Stamping Co., Long Island City, N. Y.
Dreadnaught Blow Torches; Compound Kettles; Furnaces. The P. Wall Mfg. Supply Co., Pittsburgh, Pa.
Dreadnaught Drilling Equipment and Supplies. Beaumont Iron Works Co., Beaumont, Tex.
Dreadnaught Flags. Emerson Mfg. Co., San Francisco.
Dreadnaught Hub Odometers. American Taximeter Co., New York, N.Y.
Dreadnaught Pumps. Goulds Mfg. Co., Seneca Falls, N. Y.
Dreadnaught Packing, Hose and Belting. Manhattan Rubber Mfg Co., Passaic, N. J.
Dreadnaught Road Scrapers. Sidney Steel Scraper Co., Sidney, O
Dreadnaught Safety Fuse. Coast Mfg. & Supply Co., Livermore, Cal
Dreadnaught Tire. Columbus McKinnon Chain Co., Columbus, O.
Dreadnaught Tread and Cork Mats. La Porte Mat & Mfg. Co., La Porte, Ind.
Dreadnaut Waterproof Belting. Alexander Bros., Philadelphia.
Dreadnaut Automobile Jacks; Rebound Checks and Shock Absorbers. Auto Specialties Mfg. Co., Inc., St. Joseph, Mich.
Dreadnaut Wire Rope. Upson-Walton Co. of N. Y., New York; The Upson-Walton Co., Cleveland, O.
Dreadnought Chisels and Pliers. Kraeuter & Co., Newark, N. J.
Dreadnought Flooring. Dreadnought Flooring Co., New York.
Dreadnought High Speed Steel. Hawkridge Bros., Boston.
Dreadnought High Speed Steel. Halcomb Steel Co., Syracuse, N. Y.
Dreadnought Interlocking Cork Tile. Dreadnought Flooring Co., New York.
Dreadnought Motor Top Material and Rubber Coated Cloth. L. C. Chase & Co., Boston.
Dreadnought Oakum. Geo. Stratford Oakum Co., Jersey City, N. J.
Dreer's Peerless Glazier's Points. Henry A. Dreer, Philadelphia.
Dreisbach Patent Sand-Blast Machines. New Haven Sand-Blast Co., New Haven, Conn.
Drendul Sand Screens. Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Dresden Flat Paint and Finish. W. W. Lawrence & Co., Pittsburgh.
Dresser Pipe Clamps, Couplings; Sleeves; Flexible Joints, Etc. S. R. Dresser Mfg. Co., Bradford, Pa.
Drew Protective Pole Sleeves Trolley Frogs, Motormen's Mirrors and Cable Insulators. Drew Electric & Mfg. Co., Indianapolis, Ind.
Drew Trolley Line Materials and Railway Supplies. Hegeman-Castle Corp., Chicago; Holden & White, Chicago.
Drexel Brake Beams and Roller Side Bearings. Chicago Railway Equipment Co., Chicago.
Drexel Lawn Mowers. Philadelphia Lawn Mower Co., Philadelphia.
Drexel Motor Cars. Drexel Motor Car Corp., Chicago.
Driboat Bilge Pump. Wilcox, Crittenden & Co., Middletown, Conn.
Driggs Automobiles. Driggs Ordnance & Mfg. Corp., New Haven, Conn.
Drilled-In-Letters Signs. The Indestructible Sign Co., Columbus, O.
Drilled Rivets. Edwin B. Stimson Co., Brooklyn, N. Y.
Drilline Drilling and Screw Cutting Compound. Krembs & Co., Chicago.
Drillwell Fibre Drilling Cables. Waterbury Co., New York.
Dri-Mix Lime. Chas. Warner Co., Wilmington, Del.
Driquick Paper Towels. The Union Paper & Twine Co., Cleveland, O.
Driscoll Fishing Tools. Bunting Iron Works, San Francisco, Calif.
Drithinol Paint Oils. Columbia Refining Co., New York.
Driwall Roofing and Waterproofing Materials. Billings-Chaplin Co., Cleveland, O.
Dronsfield Bros. Card Grinding Machines. Leigh & Butler, Boston.
Drop-A-Line Automatic Indicator. Nielson Supply Co., Chicago.
Drop-Head Projectors. Drop Head Projector Co., Fond du Lac, Wis.
Drop-Out Renewal Links. Economy Fuse & Mfg. Co., Chicago.
Drouvé "Salamanders." The G. Drouvé Co., Bridgeport, Conn.
Drouvé Ventilators. The G. Drouvé Co., Bridgeport, Conn.
Druid Airtight Stoves. B. C. Bibb Stove Co., Baltimore, Md.
Druid Glassware. General Electric Co., Cleveland, O.
Druid Primo Belting. Druid Oak Belting Co., Baltimore, Md.
Druid Sail Duck. Mt. Vernon Woodberry Mills, Inc., Baltimore, Md.
Druid Waterproof Belting. Druid Oak Belting Co., Baltimore, Md.
Druidoak Leather Belting. Druid Oak Belting Co., Inc., Baltimore, Md.
Drum Pattern Lemon Squeezers. Arcade Mfg. Co., Freeport, Ill.
Drumfire Dish Washing Machines. Dietz Mfg. Co., Cincinnati, O.
Drumtite Sealing Compound, for Steel Drums and Barrels. Max Ams Machine Co., New York.
Dry Duck Roll Roofing. The Lehon Company, Chicago.
Dryflex Oil. James B. Sipe & Co., Bridgeville, Pa.
Drylading Car Roofing. Hutchins Car Roofing Co., Detroit, Mich.
Dry-O-Lin Paint Oil. Thompson & Co., Pittsburgh, Pa.
Drypack Duplex and Cloth Lined Waterproof Paper and Container Boards. W. Ralston & Co., Inc., Niagara Falls, N. Y.
Dual Churns. Owatonna Mfg. Co., Owatonna, Minn.
Dual Factory Churn. Creamery Package Mfg. Co., Chicago.
Dual Kerosene Lamp Burners. Edw. Miller & Co., Meriden, Conn.
Dualite Electric Lanterns and Batteries. Electric Lantern Corporation, San Francisco.
Du-all Portable Cylinder Grinders. Gisholt Machine Co., Madison, Wis.
Du Barry Pyralin Toilet Articles. E. I. du Pont de Nemours & Co., Inc., Pyralin Dept., Arlington, N. J.
Du Bois Gas Engines. Dubois Iron Works, Dubois, Pa.
Du Bois Lead Traps. F. N. Du Bois & Co., New York.
Du Bois Pumps. Du Bois Iron Works, Du Bois, Pa.
Dubilier Receiving Condensers. Dubilier Condenser Co., New York.
Dubl Duty Pile Driving Hammers. McKiernan & Terry Drill Co., New York.
Dubl-Duty Two-way Sockets. Bryant Electric Co., Bridgeport, Conn.
Dubletexture Paper Towels. The Union Paper & Twine Co., Cleveland, O.
Duboscq Colorimeters. Eimer & Amend, New York.
Du-Brul Cigar Bunching Machines and Tobacco Scrap Cutting Machines. Miller, Du Brul & Peters Mfg. Co., Cincinnati, O.
Du Charme Adjustable Wrenches, Pipe Cutters, Pipe Vises. Superior Tool Co., Cambridge, O.
Dubuque Artesian Well Drills. Novelty Iron Works, Dubuque, Ia.
Duchess Lubricators. D. T. Williams Valve Co., Cincinnati, O.
Duchess Oil and Grease Cups. D. T. Williams Valve Co., Cincinnati, O.
Duchess Water Closets. Jas. Barrett Mfg. Co., Boston.
Duckback Roofing. Asbestos Protected Metal Co., Beaver Falls, Pa
Duck Nest Tuyere Irons. Illinois Iron & Bolt Co., Carpentersville, Ill.
Duco Finish, for Pyroxylin Enamel Finish, Wood or Metal. E. I. du Pont de Nemours & Co., Inc., Chemical Products Div., Parlin, N. J.
Ducon Radio Parts. Dubilier Condenser & Radio Corp., New York.
Dude Scrubbing Brushes. Standard Brush Co., New Hartford, Conn.
Dudgeon Hydraulic Jack. Richard Dudgeon, New York.
Dudie Auto Parts and Accessories and Wheels, Etc. La Pierre H. M. Co., Chicago.
Dudley Reinforcing Bars. Bourne-Fuller Co., The, Cleveland, O.
Dudlo Induction Coils. Dudlo Mfg. Co., Ft. Wayne, Ind.
Dudlo Magnet Wire, Etc. Dudlo Mfg. Co. Fort Wayne, Ind.
Duesenberg Automobiles. Duesenberg Automobile & Motor Co., Indianapolis, Ind.
Du-Face Oak Leather Belting. F. Raniville Co., Grand Rapids, Mich.
Duff-Bethlehem Hydraulic Jacks. Bethlehem Steel Co., Bethlehem, Pa.
Duff Chain Attachment Drills. Upton & Gilman Machine Co., Lowell, Mass.
Duff Gas Producers. Duff Patent Co., Pittsburgh.
Duff Jacks, Drop Forgings. Duff Mfg. Co., Pittsburgh, Pa.
Duff (Dunn Patent) Trench Braces. Duff Mfg. Co., Pittsburgh, Pa.
Duffy Wall Board. J. P. Duffy Co., N. Y.
Duffy's Sink Strainers. Cassady Fairbank Mfg. Co., Chicago, Ill.
Dufour Bolting Cloth. Essmueller Mill Furnishing Co., St. Louis, Mo.; Tabler & Co., Inc., New York.
Duggan Porcelain Cleats. Imperial Porcelain Works, Trenton, N. J.
Du-Kane Paints. W. W. Lawrence & Co., Pittsburgh, Pa.
Duke Lubricators. D. T. Williams Valve Co., Cincinnati, O.; Michigan Lubricator Co., Detroit, Mich.
Duke Oil and Grease Cups. D. T. Williams Valve Co., Cincinnati.
Duke Rubber Hose. Consolidated Rubber Co., Trenton, N. J.
Duke Steel. Duke Steel Co., Inc., New York.
Duke Water Closets. Jas. Barrett Mfg. Co., Boston, Mass.

Dulgloss Varnishes. Berry Brothers, Inc., Detroit, Mich.
Du-Lite Interior Mill Finishes. E. I. du Pont de Nemours & Co., Inc., Paint and Varnish Dept., Philadelphia, Pa.; Chicago Varnish Works, Chicago.
Dull Automatic Sand Separators, Conical Washing Screens and Dragline Cableway Excavators. Link Belt Co., Chicago, Indianapolis, Philadelphia; H. W. Caldwell & Son, Chicago.
Dull Erie Varnishes. Samuel F. Woodhouse, Philadelphia, Pa.
Dull Kote Flat Paint. R. F. Johnston Paint Co., Cincinnati, O.
Dull Tone Flat Paint or Flat Varnish. R. F. Johnston Paint Co., Cincinnati, O.
Dultone Shingle Stain. R. F. Johnston Paint Co., Cincinnati, O.
Du Moin Rotary Pump. Thompson Mfg. Co., Des Moines, Ia.
Dum Dum Paints. Arco Co., Cleveland, O.
Dumaco Plumbers' Supplies. Durst Mfg. Co., New York.
Dumbarton Salt. Stauffer Chemical Co., San Francisco, Cal.
Dum-Dum Pipe Covering. Arco Co., Cleveland, O.
Du Moin Rotary Pump. Thompson Mfg. Co., Des Moines, Iowa.
Dumore Automobile Headlight Controls and Windshield Cleaners. Boston Tool & Mfg. Co., Boston.
Dumore Bottle Cleaning Machy. George J. Meyer Mfg. Co., Milwaukee, Wis.
Dumore Drills, Grinders and Motors. Wisconsin Elect. Co., Racine, Wis.
Dumorite Explosive. E. I. du Pont de Nemours & Co., Inc., Explosives & Smokeless Powder Depts., Wilmington, Del.
Dumpit Sand Box. J. G. Brill Co., Philadelphia, Pa.
Dumpy Levels. Wm. Ainsworth & Sons, Denver, Colo.; Bausch & Lomb Optical Co., Rochester, N. Y.; Keuffel & Esser Co., Hoboken, N. J.
Dunbar Bidets. J. L. Mott Iron Works, Trenton, N. J.
Dunbar Springs. Dunbar Bros. Co., Bristol, Conn.
Dunbar Variable Speed Pulley. Dunbar-Wood Engineering Co., Covington, Ky.
Duncan Direct Current Meters. Electrical Testing Bureau, Chicago.
Duncan Overhead Track Switches. J. Duncan Co., Everett, Mass.
Duncan Sash Locks. Dayton Mfg. Co., Dayton, O.
Duncan Transformers. Duncan Electric Mfg. Co., Lafayette, Ind.
Dunco Agricultural Implements. R. B. Dunning & Co., Bangor, Me.
Dunco Exhaust Mufflers and Valves. Dunkirk Corp., Dunkirk, N. Y.
Dundee Broilers. Dundee Mfg. Co., Inc., Boston.
Dundee Cast Iron Wagon Skeins. Illinois Iron & Bolt Co., Carpentersville, Ill.
Dundon Retorts (For Canneries). Dundon Iron Works, San Francisco, Calif.
Duner Car Closets; Flush Hoppers; Etc. Duner Co., Chicago.
Dunham Clod Crushers and Rollers. Dunham Co., Berea, O.
Dunham Culti-Packers. International Harvester Company of America, Inc., Chicago.
Dunham Freight Car Doors. Camel Company, Chicago.
Dunham Steam Heating Systems. C. A. Dunham Co., Chicago.
Dunlap Ladder Brackets and Jacks. Los Angeles Ladder Co., Los Angeles.
Dunlap Wire Wheels. Bridgeport Engineering Co., Stratford, Conn.
Dunlap's Miners' Safety Lamps. John Dunlap Co., Carnegie, Pa.
Dunn Auto Parts and Fittings. Dunn Mfg. Co., Clarinda, Ia.
Dunn Oil Well Pipe Tongs. Dunn Mfg. Co., Oxnard, Cal.
Dunn Reboring Tools for Engine Cylinders. J. Edward Dunn, New York.
Dunn Stockless Anchors. American Steel Foundries, Chicago.
Dunn Trench Braces. Duff Mfg. Co., Pittsburgh, Pa.
Dunn's Improved Painting Machines. Dunn's Paint Machine Co., San Francisco.
Dunn's Mitre Clamps. Burgess-Norton Mfg. Co., Geneva, Ill.
Dunning Colorimeters. Eimer & Amend, New York.
Dunning Steam and Hot Water Boilers. New York Central Iron Works Co., Hagerstown, Md.
Dunstan Stench Traps. Fred E. Glenn, St. Charles, Ill.
Duntile Masons' and Bldrs. Material. W. E. Dunn Mfg. Co., Holland, Mich.
Duobel Permissible Explosive for Coal Mining. E. I. du Pont de Nemours & Co., Inc., Explosives and Smokeless Powder Depts., Wilmington, Del.
Duocene Cutting Oil. Crescent Oil Co., New York.
Duolet Plural Plugs. Benjamin Electric Mfg. Co., Chicago.
Duo-Lite Spot Lights. Steel Prod. Corp. of California, San Francisco.
Duo Nozzle Lawn Sprinklers. H. B. Sherman Mfg. Co., Battle Creek, Mich.
Duo Point Gas Irons. Central Flatiron Mfg. Co., Johnson City, N. Y.
Duowear Tire Chains. The Krein Chain Co., Wapakoneta, O.
Duplex Air Brakes for Autos, Trucks and Trailers. McNerny Products Co., San Francisco.
Duplex Akron Copper Gaskets. Akron Metallic Gasket Co., Akron, O.
Duplex Alcohol Torch. Peerblow Mfg. Co., Leetsdale, Pa.
Duplex Arc Lamp Mast Arms. Buffalo Specialty Co., Buffalo, N. Y.
Duplex Asbestos Packing. Empire Tire & Rubber Corp., Trenton, N. J.
Duplex Ash Gates. R. H. Beaumont Company, Philadelphia, Pa.
Duplex Auto Lighting Cable. American Steel & Wire Co., Chicago.
Duplex Automobile Brakes. Raybestos Co., Bridgeport, Conn.
Du-Plex "Blue Seal" Seed and Grain and Merchandise Envelopes. Du-Plex Onvelope Corp., Quincy, Ill.
Duplex Boiler Feed Pumps. Blake Pump & Condenser Co., Fitchburg, Mass.
Duplex Boiler Feeders. Kiely & Mueller, New York.
Duplex Bonding Drills. Union Twist Drill Co., Athol, Mass.
Duplex Brake Bands. Raybestos Co., Bridgeport, Conn.
Duplex Brick Carriers' Clamps. Duplex Mfg. & Fdry. Co., Elyria, O.
Duplex Cantilever Springs. Duplex Cantilever Spring Co., Chicago.
Duplex Catch Basins. Hartford Fdry. Corp., Hartford, Conn.
Duplex Chains. Hathaway Mfg. Co., Bridgeport, Conn.
Duplex Channel Pins; Rail Bonds. Railroad Accessories Corp., New York
Duplex China Painters' Palettes. Stirrup Mfg. Co., Newark, N. J.
Duplex Church Collection Envelopes. Union Envelope Co., Richmond, Va.
Duplex Coal Combined Gas Heaters. Hydro Heater Co., Pittsburgh.
Duplex Combination Transmission Belting. Hide Leather & Belting Co., Indianapolis, Ind.
Duplex Concrete Joist Hangers, Wall Boxes, Post Caps and Bases. Duplex Hanger Co., Cleveland.
Duplex Cone Blowers, Fans, Ventilating Apparatus. Howard & Morse, New York.
Duplex Corn and Cob Mills, Feed Grinding Mills. Duplex Mill & Mfg. Co., Springfield, O.
Duplex Crown Steam and Hot Water Heaters. U. S. Heating & Plbg. Co., Cincinnati, O.
Duplex Door Hangers, Richards-Wilcox Mfg. Co., Aurora, Ill.
Duplex Electric Fans. Howard & Morse, New York.
Duplex Electric Lamps. Fostoria Incandescent Lamp Co., Fostoria, O.
Duplex Electric Lamp Posts. Casey-Hedges Co., Chattanooga, Tenn.
Duplex Emery Wheel Dressers. Cleveland Flue Cleaner Mfg. Co., Cleveland.
Duplex Expansion Bolts. The Isaac Church Expansion Bolt Co., East Norwalk, Conn.
Duplex Eyelet Machines. United Shoe Machinery Co., Boston.
Duplex Ferro-Prussiate Sensitizing Machines. C. F. Pease Co., Chicago.
Duplex Fireless Cookers. Durham Mfg. Co., Muncie, Ind.
Duplex Flue Scrapers. Sherwood Mfg. Co., Buffalo, N. Y.
Duplex Fruit Evaporators and Hop Furnaces. Munnsville Plow Co., Munnsville, N. Y.
Duplex Garment Hangers. Rocky Hill Hardware Co., Rocky Hill, Conn.
Duplex Gas Radiators. Geo. P. Schmitt, Oakland, Cal.
Duplex Gin Saw Files. Delta File Works, Philadelphia, Pa.
Duplex Gin Saw-Filing Machines. A. A. Wood & Sons Co., Atlanta, Ga.
Duplex Joist, etc. Hangers and Post Caps, Bases, etc. Duplex Hanger Co., Cleveland, O.
Duplex Locomotive Stokers. Locomotive Stoker Co., Pittsburgh, Pa.
Duplex Machinist's Hand Taps, Pipe Reamers, Stocks and Dies. Thread Cutting Tools, Wrenches. Hart Mfg. Co., Cleveland, O.
Duplex Mailing Envelopes. Du-Plex Onvelope Corp., Quincy, Ill.
Duplex Metal Key Faucet. John Sommer Faucet Co., Newark, N. J.
Duplex Milling Machines. W. B. Knight Machinery Co., St. Louis, Mo.
Duplex Mitre and Clamping Machines, Molding Sander Machines, Veneer Drying Machines. Duplex Moulding Sander Co., Hornell, N. Y.
Duplex Paint and White Wash Spraying Machines and Ratchet Handle Pumps. F. E. Myers & Bro., Ashland, O.
Duplex Paint Oil. James B. Sipe & Co., Bridgeville, Pa.
Duplex Paper Clips. L. F. Grammes & Sons, Allentown, Pa.
Duplex Pipe Fitters' Tools. Standard Fitting & Mfg. Co., Pittsburgh, Pa.
Duplex Pipe Threading and Cutting Machines. Bignall & Keeler Machine Works, of the N. O. Nelson Mfg. Co., Edwardsville, Ill.
Duplex Plumbers Porce Cups. Duplex Mfg. Co., Philadelphia, Pa.
Duplex Postage Stamp Vending Machines. Midland Supply Co., Davenport, Ia.
Duplex Power Pumps. Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Duplex Pumping Jack and Tank Heaters and Windmills. Duplex Mfg. Co., Superior, Wis.
Duplex Rod and Plunger Packing. Johns-Manville, Inc., New York.
Duplex Rod Boring Machine. Consolidated Machine Tool Corp. of America, New York.
Duplex Safety Pins. Consolidated Safety Pin Co., Bloomfield, N. J.
Duplex Safety Valves. Lunkenheimer Co., Beekman & Waverly, Cincinnati, O.
Duplex Sash Operating Device. Payson Mfg. Co., Chicago.
Duplex Seal Car Seals. American Car Seal Co., South Bend, Ind.
Duplex Seals. Keystone Seal & Press Co., Brooklyn, N. Y.
Duplex Sewage Ejectors. Chicago Pump Co., Chicago.
Duplex Shakers. Rich Foundry Equipment Co., Chicago.
Duplex Shock Absorbers (for Fords). Advance Automobile Accessories Corp., Chicago.
Duplex Sleeve Guided Expansion Joints. Am. District Steam Co., North Tonawanda, N. Y.
Duplex Special Piston Rods. Piston Ring Co., Muskegon, Mich.
Duplex Stock, Dies, Thread Cutting Tools, Tap Wrenches, Taps, Die and Screw Plates. Hart Mfg. Co., Cleveland.
Duplex Stove Pipes and Elbows. Hemp & Co., St. Louis, Mo.
Duplex Stuff Pumps. Dillon Machine Co., Lawrence, Mass.
Duplex Superior, Mills, Tanks, Pumps, Jacks, Sawing Machines, Towers, Wind Mills. Duplex Mfg. Co., South Superior, Wis.
Duplex Telegraph Apparatus. J. H. Bunnell & Co., New York.
Duplex Tie Tong. Aldobilt Company, Chicago.
Duplex Tube Scrapers. Sherwood Mfg. Co., Buffalo, N. Y.
Du-Plex Two-in-One Envelopes; Labels; Mailing Wrappers; Rigid Photo Mailers. Du-Plex Onvelope Corp., Quincy, Ill.
Duplex Typeless Die Casting Machines. Jackson Machine Tool Co., Jackson, Mich.
Duplex Urinal Stalls. Wheeling Sanitary Mfg. Co., Wheeling, W. Va.
Duplex Vacuum Cleaners. Ramey Co., Chillicothe, O.
Duplex Water Filters and Percolator. National Percolator Co., Inc., Los Angeles.
Duplex Water Heaters. A. D. Gordon, Buffalo, N. Y.
Duplex Water Seal Radiator Traps. Jas. P. Marsh & Co., Chicago.
Duplex Weatherproof Windows. Morton Mfg. Company, Chicago.
Duplex Weatherproofing. Tuco Products Corp., New York.
Duplex Weighing Machines. E. Edtbauer & Co., Chicago.
Duplex Windlasses. Thos. Laughlin Co., Portland, Me.
Duplex Wire Stretchers. Burgess-Norton Mfg. Co., Geneva, Ill.
Duplexalite Lighting Fixtures. Duplex Lighting Works of General Electric Co., New York.
Duplexalite Reflectors. Duplex Lighting System, Inc., Chicago.
Duplimerge Thermometer. C. J. Tagliabue Mfg. Co., Brooklyn, N. Y.
Du Pont Blasting Powder; Blasting Accessories; Gelatin; Dynamite; Blasting Machines; Tamping Bags; Squibs; Electric Blasting Caps; Explosives; Rheostats; Galvanometers; Thawing Kettles; Leading and Connecting Wires. E. I. du Pont de Nemours & Co., Inc., Explosives and Smokeless Powder Depts., Wilmington, Del.
Dupont Hammers and Forging Machines. United Hammer Co., Boston.
Du Pont No. 1 Rifle Smokeless Powder. E. I. du Pont de Nemours & Co., Inc., Wilmington, Del.
Du Pont Paints and Varnishes. E. I. du Pont de Nemours & Co., Inc., Paint and Varnish Dept., Philadelphia, Pa.; Chicago Varnish Works, Chicago.
Du Pont Pistol No. 5 Powder. E. I. du Pone de Nemours & Co., Inc., Explosives & Smokeless Powder Depts., Wilmington, Del.
Du Pont Pyralin Toilet Ware, Sheeting, Rods, Tubing, Beading, Etc. E. I. du Pont de Nemours & Co., Inc., Pyralin Dept., Arlington, N. J.
Du Pont R. R. P. Powder. E. I. du Pont de Nemours & Co., Inc., Explosives and Smokeless Powder Depts., Wilmington, Del.
Du Pont Rubber Fabrics. E. I. du Pont de Nemours & Co., Inc., Fabrikoid Division, Newburgh, N. Y.
Du Pont Smokeless Powder, No. 1 Rifle; Smokeless Shotgun Powder; Pistol Powder No. 5; Permissible Explosives; R.R.P. E. I. du Pont de Nemours & Co., Inc., Explosives and Smokeless Powder Depts., Wilmington, Del.
Dupree Tank Lugs. T. W. Snow Construction Co., Chicago.
Duquad Curtain Fixtures. Railway Curtain Co., Chicago.
Duquesne Combustion Units. Duquesne Burner Service Co., Pittsburgh, Pa.
Duquesne Hunters' Axes. American Axe & Tool Co., Glassport, Pa.
Duquesne Rail Joints. Carnegie Steel Co., Pittsburgh, Pa.
Duquesne Six-in-One Lighting Unit. Duquesne Electric & Mfg. Co., Pittsburgh, Pa.
Dura Automobile Accessories. Dura Co., Toledo, O.

Dura Stix High Temperature Cements. Keystone Refractories Co., Inc., Liberty, New York.
Durabelle Signal Flag Bunting. Textile Prod. Mfg. Co., St. Louis, Mo.
Durabelt Conveyor Belting. Robins Conveying Belt Co., New York.
Durabestos Asbestos Packing, Brake Band Linings and Auto Sheet Packing. United States Asbestos Co. of Ill., Chicago.
Dura-Bilt Aluminum Cooking Utensils. Indiana Aluminum Ware Co., Elkhart, Ind.
Durabilt Steel Cabinets, Lockers, Racks and Shelving. Durabilt Steel Locker Co., Aurora, Ill.
Durabla Gauge Glasses, Sheet Packing, Rod Packing, Gaskets and Valve Discs. Durabla Mfg. Co., New York.
Durable Asphalt Roofing. McHenry-Millhouse Mfg. Co., South Bend, Ind., and Fulton, N. Y.
Durable Belting; Hose. Acme Rubber Mfg. Co., Trenton, N. J.
Durable Belts, Belting, Belt Dressing and Cements. Cleveland Oak Belting Co., Cleveland.
Durable Bumping Posts. The Mechanical Mfg. Co., Chicago.
Durable Denning Tractors. Denning Tractor Co., Cedar Rapids, Ia.
Durable Leather Belting. New York Leather Belting Co., New York.
Durable Leather Belting, Fan Belts, Belt Cement and Belt Preserver. Cleveland Oak Belting Co., Cleveland, O.
Durable Nickel Alloy Wire. Jos. O'Neil Wire Works, Port Chester, N. Y.
Durable Paint. The Debevoise Co., Brooklyn, N. Y.
Durable Pot Cleaners. John Ritzenthaler, New York.
Durable Pump Leather. C. F. Adams, Ft. Worth, Texas.
Durable Rubber Sheet Packing. Acme Rubber Mfg. Co., Trenton, N. J.
Durable Wire Rope. Durable Wire Rope Co., Boston, Mass.
Du-Ra-Bul Carbon Paper and Typewriter Ribbons. Republic-Dodge Mfg. Co., Brooklyn, N. Y.
Duraco Asbestos Packing, Gauge Glasses, Etc. United States Asbestos Co. of Ill., Chicago.
Duracord Portable Cord. Tubular Woven Fabric Co., Pawtucket, R. I.
Duraduct Non-Metallic Flexible Conduit. Tubular Woven Fabric Co., Pawtucket, R. I.
Duragraph Time Recorder and Cost Keeping System Clocks. Automatic Time Stamp Co., Boston.
Dural Hose Connections. Dural Rubber Corp., Flemington, N. J.
Duralastic Paints. Gorton Co., Portland, Ore.
Duralastic Roofing Paint. Sterling Paint Co., Portland, Ore.
Duraleather Artificial Leather. Masland Duraleather Co., Philadelphia.
Duralectric Cigar Lighter. Duralectric Corp., Jamestown, N. Y.
Duralectric Hot Water Heater. Duralectric Corp., Pittsburgh.
Duralin Oil-Cloth. J. Frank Darling, New York.
Duralite Varnishes. Atlantic Varnish Works, Inc., Richmond, Va.
Duraloy Metal. Cutler Steel Co., Pittsburgh, Pa.
Duralumin Metal. Bausch Machine Tool Co., Springfield, Mass.
Duram Vacuum Air Valves. Imperial Brass Mfg. Co., Chicago.
Durametallic Metal Packing. Durametallic Corp., Kalamazoo, Mich.; Universal Packing Corp., Pittsburgh, Pa.
Durand Steel Bins, Cabinets, Lockers, Wardrobes, etc. Durand Steel Locker Co., Chicago.
Durand Steel Racks and Shelving. Durand Steel Locker Co., Chicago.
Duranium High Speed Steel. Duke Steel Co., Inc., New York.
Durant Fire Doors. Central Metal Products Corp., Canton, O.
Durant Revolution Counters. Durant Mfg. Co., Milwaukee.
Durart Steel Products. Central Metal Products Corp., The, Canton, O.
Durasote Wood Preservative. Page & Hill Co., Minneapolis, Minn.
Duratex Artificial Leather. Duratex Co., Newark, N. J.
Duratex Coated Fabrics. The Duratex Co., Newark, N. J.
Duratex Telephone Cords. Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y.
Duratop Artificial Leather. Duratex Co., Newark, N. J.
Durax Gauge Glasses. Schaeffer & Budenberg Mfg. Co., Brooklyn, N. Y.
Durax Granite Paving Blocks. Harris Granite Quarries Company, The, Salisbury, N. C.
Durbar Solid Woven Cotton Belting. Rossendale-Reddaway Belting & Hose Co., Newark, N. J.
Durbon Carbon Paints. Chas. Moser Co., Cincinnati.
Durco Wood Preservatives. Duryea Mfg. Co., Bayonne, N. J.
Durel Crayons. Binney & Smith Co., New York.
Durelastic Black and Paints. Wadsworth-Howland Co., Chicago.
Durham Floor Flanges. Standard Sanitary Mfg. Co., Pittsburgh.
Duriflex Boiler Setting Coating. The Wills Products Co., New York.
Duriron Acid Castings, Acid Proof Pipe and Jets and Stirrers, Valves, Chemical Pans, Steam Ejector, Pumps, Acid Eggs and Cocks. Duriron Castings Co., Dayton, O.
Durite Interior Car Enamels. Chas. R. Long, Jr., & Co., Louisville, Ky
Durkee Electric Rock Drills. Mine & Smelter Supply Co., New York.
Durkin Controller Regulating Handles. Electric Service Supplies Co., Philadelphia, Pa.
Duro Acid-Proof Brick and Cement. Harbison-Walker Refractories Co., Pittsburgh, Pa.
Duro Babbitt Metal. Muzzy Lyon Co., Detroit, Mich.
Duro Belting. Duckwall Belting & Hose Co., Indianapolis.
Duro Blow-Off Valves. Lunkenheimer Co., Cincinnati, O.
Duro Cement Floor Hardener. American Builders Products Co., Chicago.
Duro Fibre Gears and Pinions. Natisch Gear Wks., Inc., Brooklyn, N.Y.
Duro Fire Hose. Gustin-Bacon Mfg. Co., Kansas City, Mo.
Duro Flexible Cords. Chas. H. McEvoy, Lowell, Mass.
Duro Iron Products. C. C. Fouts Co., Middletown, O.
Duro Milk Pails. Creamery Package Mfg. Co., Chicago.
Duro Paints. O'Neil Oil & Paint Co., Milwaukee, Wis.
Duro Perforated Corrugated Metal Railway Drains. Canton Culvert & Silo Co., Canton, O.
Duro Pumps and Motors. Burnett-Larsh Mfg. Co., Dayton, O.
Duro Roofing. Union Paper & Twine Co., Cleveland, O.
Duro Switch Stands. Am. Valve & Meter Co., Cincinnati.
Duro Telephone Cords. Chas. H. McEvoy, Lowell, Mass.
Duro Wall Plaster Board. Cal. Cedar Products Co., Stockton, Cal.
Duro Water Systems. Duro Pump & Mfg. Co., Dayton, O.
Duro Welded Tanks, Knock Down Tanks, Grain Bins and Silos. C. C. Fouts Co., Middletown, Ohio.
Duro Wiper Cloths. Massasoit Mfg. Co., Fall River, Mass.
Durocote Paints. The Durable Products Co., East Liverpool, Ohio.
Duroid Rubber Roofing. Weaver Roof Co., Los Angeles, Cal.
Duroil Fibre Packing. United States Asbestos Co. of Ill., Chicago.
Durolac (Gum Shellac Substitute). The National Builders Co., Cleveland, O.
Durolith Painting Material. Duerx Chemical Corp., New York.
Durolith Roofing Cement. National Builders Co., Cleveland, O.
Duroloid Balls. Los Angeles Foundry Co., Los Angeles, Cal.
Duroplote Blackboards. E. W. A. Rowles Co., Chicago.
Durosten Black Stencil Paint for Car Doors, etc. Chas. R. Long, Jr., Co., Inc., Louisville, Ky.
Durotag Thermometers. Chas. J. Tagliabue Mfg. Co., Brooklyn, N. Y.
Durox Explosives. E. I. du Pont de Nemours & Co., Inc., Explosives and Smokeless Powder Depts., Wilmington, Del.
Durston Transmissions. Durston Gear Co., Syracuse, N. Y.
Durus Drinking Fountains. Crane Co., Chicago.
Duryea's Tricycle. C. C. Duryea Motors, Inc., Philadelphia, Pa.
Duskil Polish Oil. Duskil Mop Co., Paducah, Ky.
Dust Doom Sweeping Compounds. J. F. Herne Co., Boston 29.
Dustdown Sweeping Compound. Fitch Dustdown Co., Cincinnati, O.
Dustine Sweeping Compounds. Velvetta Mfg. Co., Philadelphia.
Dustin-Kloth Dustless Polishing Cloth. Super-Glos Mfg. Co., San Francisco.
Dustlayer Sweeping Compound. The C. B. Dolge Co., Westport, Conn.
Dustoline for Roads. The Dustoline for Roads Co., Summit, N. J.
Dustoline Sweeping Compounds. Continental Mfg. Co., Indianapolis.
Dustsafe Goggles. Julius King Optical Co., New York.
Dutch Boy Phoenix Babbit Metal. National Lead Co., New York.
Dutch Boy White Lead, Linseed Oil, Red Lead-in-Oil, Babbitt Metals and Solder. National Lead Co., New York.
Dutch Brand Cements. Van Cleef Bros., Chicago.
Dutcher Loom Temples. Draper Corp., Hopedale, Mass.
Dutchess Cotton Planting Drills. Moline Plow Co., Moline, Ill.
Dutchess Garden Barrows. Thos. McWhinnie, Poughkeepsie, N. Y.
Dutchess Gas and Electric Oven Light. Jaburg Bros., New York.
Dutchess Insulating Cloth. Dutchess Bleachery, Inc., Wappingers Falls, N. Y.
Dutchess Rubber Hose. New York Rubber Co., New York.
Dutton Sickel Grinders. Cutaway Harrow Co., Higganum, Conn.
Duval Bidets. J. L. Mott Iron Works, Trenton, N. J.
Duval Metallic Packing. Power Specialty Co., New York.
Duval Piston and Rod Packing. Peerless Rubber Mfg. Co., New York.
Dux-Bac Metallic Shingles. Eller Mfg. Co., Canton, O.
Duxbak Belting and Belt Lacing. Chas. A. Schieren & Co., New York.
Duxbak Leather Belting. Chas. A. Schieren & Co., New York.
Dux De Lux Water Proof Paper. Hollingsworth & Whitney Co., Boston.
Dwarf Oil and Grease Cups. D. T. Williams Valve Co., Cincinnati.
Dwiggins Wire Fencing. Dwiggins Wire Fence Co., New York.
Dwight & Lloyd Sintering Machines. Sintering Mach'y Corp., Netcong, N. J.
Dwight Slate Marking Machines. Noble & Westbrook Mfg. Co., Hartford, Conn.
D-X Bridle Rings. Diamond Expansion Bolt Co., New York.
DX Receivers and Amplifiers. Dx Radio Co., Summit, Ill.
Dyad Electric Lamp Posts. Casey-Hedges Co., Chattanooga, Tenn.
Dyar Portable Sand and Gravel Heaters and Dyers. Dyar Supply Co., Cambridge, Mass.
Dyblie Reversing Valves. Morgan Const. Co., Worcester, Mass.
Dyer Auto Bushings and Piston Rings. Dyer Co., Cambridge, Mass.
Dyer Multiple Effects Evaporators. Dyer Co., Cleveland.
Dymun Camel Hair Press Cloth. F. T. Parker & Co., Columbia, S. C.
Dynamite Hose. Mulconroy Co., Inc., Philadelphia, Pa.
Dynamo Belting. Chicago Belting Co., Chicago.
Dynamo Belts. The Diamond Rubber Co., Inc., Akron, O.
Dynamo Double Leather Belting. Jewell Belting Co., Hartford, Conn.
Dynamo Leather Belting. The Eagle Counter & Leather Co., Cincinnati, O.; Hide, Leather & Belting Co., Indianapolis, Ind.; Druid Oak Belting Co., Inc., Baltimore, Md.; Wm. Riper Mfg. Co., Paterson, N. J.; The Buckeye Belting & Supply Co., Cleveland, O.; The Burr Oak Belting Co., Cincinnati, O.; Barnum Bros. Co., Troy, N. Y.; Fensholt & Fichner, Chicago; Moloney Belting Co., Chicago; Union Belt Co., Fall River, Mass., U. S. Nott Co., Minneapolis, Minn.
Dynamo Mill and Factory Supplies. Moloney Belting Co., Chicago.
Dynamo Sheet Metal Brushes. Perfection Supply Co., New York.
Dyneto Starting-Lighting Systems. Dyneto Electric Co., Syracuse, N. Y.
Dyson Designed Propellers. American Screw Propeller Co., Phila, Pa.
Dyson Standard Motor Boat Propellers. American Manganese Bronze Co., Holmesburg, Philadelphia, Pa.

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E. Lawn Mower. Phila. Lawn Mower Co., Philadelphia.
E. A. Auto Electric Clocks. E. A. Laboratories, Inc., Brooklyn, N. Y.
E-B Agricultural Implements. Emerson-Brantingham Co., Rockford, Ill.
E-B Cold Rolled Strip Steel. Elliott-Blair Steel Co., New Castle, Pa.
E. B. Geisers Threshers and Hay Press. Emerson-Brantingham Implement Co., Rockford, Ill.
E. B. Newton Wagons. Emerson-Brantingham Implement Co., Rockford, Ill.
E. B. Osborne Knife Grinders, Reapers, Reaping Attachments, Hay Rakes and Tools, Mowers, Corn, Grain, Truck and Twine Binder. Emerson-Brantingham Co., Rockford, Ill.
E. B. Reeves Threshers. Emerson-Brantingham Implement Co., Rockford, Ill.
E. C. A. Rebulit Contractors Machinery. Equipment Corp. of America, Chicago.
E. C. Automobile Springs. Hoover Spring Co., San Francisco.
E. C. Hercules Smokeless Shotgun Powder. Hercules Powder Co., Wilmington, Del.
E. C. L. Nonx Engine Pistons. E. C. Long, Detroit, Mich.
E. C. V. Automobile Springs. Hoover Spring Co., San Francisco.
E. F. B. Fire Brick. Eureka Fire Brick Works, Pittsburgh, Pa.
E. F. E. Reflex Water Gauges and Cocks. Sargent & Co., Chicago.
E. G. B. Commutator Compounds. Troy Electrical Co., Troy, N. Y.
E. H. Gas Burners and Tips. D. M. Stewart Mfg. Co., Chattanooga, Tenn.
E. I. C. Grease Plugs. Equipment Improvement Co., New York.
E. I. C. Spark Plugs. Post & Lester Co., Hartford, Conn.
E. L. Creco Brake Beams. Chicago Ry. Equipment Co., Chicago.
E. L. T. Window Shades. Shurlox Awning & Shade Co., Chicago.
E. M. Taylor Automobile Wind Shields. English & Mersick Co., New Haven, Conn.
E. M. B. Grids. Electro-Mechanical Brake Co., Ltd., New York.
E. M. G. Swivel Valve Hand Tire Pumps; Quick Connections; Screw Jacks. E. M. Gant Mfg. Co., Ethridge, Tenn.
E-N-B (Magnesite) Composition Flooring. E. N. Biegler Mfg. Co., Chicago.
E. P. Babbitt Metal. Eagle Picher Lead Co., Chicago.
E. P. Industrial Trucks. Elwell-Parker Electric Co., Cleveland, O.
E. S. Elevator Guide Lubricators. Elevator Supplies Co., Hoboken.
E. S. Products. Elevator Supplies Co., Inc., Hoboken, N. J.
E. S. E. Blow-off Valves. Sargent Co., Chicago.
E. S. E. Water Glass Cocks. Sargent Company, Chicago.
E Z Adjusters. Fow Mfg. Co., Philadelphia, Pa.
E. Z. Bed Springs. Lewis-Weller Mfg. Co., Utica, N. Y.
E-Z Best Polishes. Davis Supply Co., Los Angeles, Cal.

E-Z Brazing and Welding Compounds. Anti-Borax Compound Co., Fort Wayne, Ind.
E. Z. Desk Telephone Brackets. American Elec. Co., Chicago.
E-Z Fit Conductor Pipe. Berger Bros. Co., Philadelphia.
E-Z Fit Eave Trough. Berger Bros. Co., Philadelphia, Pa.
E-Z Furnace Cleaners. Federal Stamping Co., Holland, Mich.
E-Z-Grip Pencils. United States Pencil Company, Philadelphia, Pa.
E-Z Hand Vacuum Cleaners. Warner Co., Muncie, Ind.
E-Z-Hex Pencils. United States Pencil Company, Philadelphia, Pa.
E. Z. Hose Racks. Chas. Nuhring & Bros., Cincinnati, O.
E-Z Ketch Rat Traps. E-Z Mfg. Co., Galesburg, Ill.
E. Z. Lifting Jacks. Oliver Mfg. Co., Chicago.
E. Z. Nail Pullers. Bradley & Farnham, Middlefield, Conn.
E-Z-On Ground Clamp. Alloy Metal Stamping & Specialty Co., Williamstown, N. J.
E. Z. Paint & Varnish Remover. The Bissell Varnish Co., Bridgeport, Conn.; D. B. Crockett, Bridgeport, Conn.
E. Z. Polishes. Martin & Martin, Chicago.
E-Z Printers Ink. California Ink Co., Berkeley, Cal.
E. Z. Quick Tire Air Pumps. Mayo Skinner Mfg. Co., Chicago.
E-Z Swinging Hose Racks. Chas. Nuhring & Bros., Cincinnati.
E-Z Tire Air Pumps. A. Wissler Instrument Mfg. Co., St. Louis.
E-Z Type Cleaning Brushes. Zimmer Mfg. Co., New York.
E. Z. Way Storm Sash Hangers. W. J. Dennis & Co., Chicago.
E-Z-Way Windshield Cleaner. George E. La Vietes Co., New Haven, Conn.
E-Z Welding Compound. Anti-Borax Compound Co., Ft. Wayne, Ind.
E-Z Wringer Mops. U. S. Mop Co., Toledo, Ohio.
E. Z. C. Thermometers. C. J. Tagliabue Mfg. Co., Brooklyn, N. Y.
E. Z. Q. Metal Polish. Bobrick Chemical Co., Los Angeles.
E. Z. Y.-O. U. T. Screw Extractors. The Cleveland Twist Drill Co., Cleveland, O.
E. & A. Electric Furnaces and Filter Paper. Elmer & Amend, New York.
E. & A. Filter Paper and Mercury Sealed Stopcocks. Elmer & Amend, New York.
E. & J. Auto Spotlights. Edmunds & Jones Corp., Detroit, Mich.
E. & J. Marine Oil Lamps. Edmunds & Jones Corp., Detroit.
E. & K. Oils and Greases. R. J. Kanter Co., New York.
E. & S. Shaking Screens. Excavating & Screening Mchy. Co., St. Paul, Minn.
E. & S. Towing Trucks, Tire Display Stands, Etc. The Manley Mfg. Co., York, Pa.
Eaco Electric Appliances. Electric Appliance Company, New Orleans, La.
Eaco Insulating Tape. Electric Appliance Co., Chicago.
Eagle A Paper. American Writing Paper Co., Holyoke, Mass.
Eagle Anvils and Blacksmiths' Vises. Fisher & Norris, Trenton, N. J.
Eagle Belt Fasteners. Manufacturers Belt Hook Co., Chicago.
Eagle Belt Rivets. Plume & Atwood Mfg. Co., Waterbury, Conn.
Eagle Belting. Chas. A. Schieren, New York.
Eagle Boiler Injectors. Sherwood Mfg. Co., Buffalo, N. Y.
Eagle Bolts. Thos. P. Skelly Bolt Co., Philadelphia, Pa.
Eagle Brand Cables, Cords and Wires. Marion Insulated Wire & Rubber Co., Marion, Ind.
Eagle Brand Condensed Milk. Borden Co., New York.
Eagle Brand Products. American Platers' Supply Co., Chicago.
Eagle Brand Soldering Coppers. Taunton-New Bedford Copper Co., New York.
Eagle Brand Springs and Steel Wire. Miller & Van Winkle, Inc., Brooklyn, N. Y.; Wenzel Tent & Duck Co., H., St. Louis, Mo.
Eagle Carbon Paper & Typewriter Ribbon. American Ribbon & Carbon Co., Rochester, N. Y.
Eagle Carriage Bolts. Clinton E. Hobbs, Boston.
Eagle Cement and Asphalt Filler. Cape Girardeau, Portland Cement Co., Cape Girardeau, Mo.
Eagle Chain Repair Links. Thos. Laughlin Co., Portland, Me.
Eagle Clasp Merchandise Mailers. Eagle Envelope Co., Chicago.
Eagle Claw Ball Pien Hammers, Carpenter Pincers, Cutting Nippers, End Wrenches, Nail Sets and Star Drills, Pliers, Wrenches. Mechanics Tool Co., Rockford, Ill.
Eagle Corroded White Lead. The Eagle-Picher Lead Co., Chicago.
Eagle Corrugated Fibre Cases. Eagle Corr. & Fibre Products Corp., Brooklyn, N. Y.
Eagle Cotton Ginning Machinery. Continental Gin Co., Birmingham, Ala.
Eagle Cotton Traction Duster. Leggett & Bro., Inc., New York.
Eagle Cutters, Engines, Carriers. Eagle Mfg. Co., Appleton, Wis.
Eagle Dry Pans. Eagle Iron Works, Des Moines, Ia.; Fernholtz Brick Machinery Co., St. Louis.
Eagle Dump Boxes and Wagons. Eagle Wagon Works, Auburn, N. Y.
Eagle Extinguishers. Adams Fire Extinguisher Works, N. Y.
Eagle Farm Tractors. Eagle Mfg. Co., Appleton, Wis.
Eagle Faucets and Washer Cutters. Chas. I. Allen, Pequabuck, Conn.
Eagle Files and Rasps. Nicholson File Co., Providence, R. I.
Eagle Fire Hose. Eureka Fire Hose Mfg. Co., New York.
Eagle Fluting Machines. North Bros. Mfg. Co., Philadelphia.
Eagle Fly Traps. Reynolds Wire Co., Dixon, Ill.; Wickwire Spencer Steel Corp., New York.
Eagle Gas Burners, Rivets. Plume & Atwood Mfg. Co., Waterbury, Conn.
Eagle Gasoline Engines and Fodder Cutters and Tractors. Eagle Mfg. Co., Appleton, Wis.
Eagle Germantown Lamp Black. L. Martin Co., New York.
Eagle Glue. International Glue Co., Boston.
Eagle Grease Buckets and Sewer Buckets. Eagle Mfg. Co., Wellsburg, W. Va.
Eagle Hay Carriers. Appleton Hay Tool Co., Appleton, Wis.
Eagle Horse Lawn Mower. Philadelphia Mower Co., Philadelphia.
Eagle Injectors. Sherwood Mfg. Co., Buffalo, N. Y.
Eagle Lace Leather. American Lace Leather Co., Inc., Richmond, Va.
Eagle Lamp Black. L. Martin Co., New York.
Eagle Lawn Swings. A. Buch's Sons Co., Elizabethtown, Pa.
Eagle Leak Proof Auto Oiler; Welded Steel Goods. Eagle Manufacturing Co., Wellsburg, W. Va.
Eagle Leather Belting. Schieren Co., Chas. A., New York.
Eagle Lubricating Oils and Greases. Swan & Finch Co., New York.
Eagle Lubricators. Detroit Shipbuilding Co., Detroit, Mich.
Eagle Lunch Boxes. Reading Saddle & Mfg. Co., Reading, Pa.
Eagle Marine Engines. Torrington Co., The Standard Plant, Torrington, Conn.
Eagle Miners' Safety Lamps. Geo. T. Anton & Bro., Monongahela, Pa.
Eagle Oil and Grease Cups. Detroit Shipbuilding Co., Detroit.
Eagle Packing. Revere Rubber Co., Boston, Mass.
Eagle Packing; Hose. Empire Tire & Rubber Corp., Trenton, N. J.
Eagle Paste Stove Polish. Williams Stove Lining Co., Taunton, Mass.
Eagle-Picher Babbitt Metal; Plumbers Lead Goods; Solder. The Eagle-Picher Lead Co., Chicago.
Eagle Plumbers' Solder and Lead Goods. Eagle Picher Lead Co., Chgo.
Eagle Portland Cement. Cape Girardeau Portland Cement Co., Cape Girardeau, Mo.
Eagle Pure Litharge; Pure Red Lead; Pure Red Lead in Oil; Pure White Lead (Old Dutch Process); Pure White Lead in Oil (Old Dutch Process). The Eagle-Picher Co., Chicago.
Eagle Roof Snow Guards. J. H. Fulmer, Nazareth, Pa.
Eagle Roofing Materials. Schilling Bros. Co., Toledo, O.
Eagle Rubber Covered Wire. Marion Insulated Wire & Rubber Mfrs., Marion, Ind.
Eagle Rubber Horse Shoe Pads. Firestone Tire & Rubber Co., Akron, O.
Eagle Sail Twine. Fulton Bag & Cotton Mills, Atlanta, Ga.
Eagle Sash Pulleys. American Pulley Co., Philadelphia, Pa.
Eagle Screw Clamps. Walter W. Woodruff & Sons Co., Mt. Carmel, Conn.
Eagle Shoe Blacking and Polishes. American Shoe Polish Co., Chgo.
Eagle Springs. Miller & Van Winkle, Inc., Brooklyn, N. Y.
Eagle Stove Clay and Polish. Williams Stove Lining Co., Trenton, Mass.
Eagle Sulphur and Brimstone. Stauffer Chemical Co., San Francisco.
Eagle Tanks. Eagle Tank Co., Chicago.
Eagle Taps and Dies. American Tap & Die Co., Greenfield, Mass.
Eagle Thistle Caustic Soda, Soda Ash, Liquid Chlorine, Bleaching Powder, Anhydrous Ammonia, Bi-carbonate of Soda, Modified Soda, Lye, Chloride of Lime, Sap, Stain Preventive. Mathieson Alkali Works, New York.
Eagle Tungsten Lamps. Boston Economy Lamp Div. National Lamp Works of G. E. Co., Providence, R. I.
Eagle Typewriter Ribbon. American Ribbon & Carbon Co., Rochester, N. Y.
Eagle Upholsterers' Tacks. Turner & Seymour Mfg. Co., Torrington, Conn.
Eagle Varnish. Emil Calman & Co., New York.
Eagle Wax Tapers. Columbia Wax Works, New York.
Eagle Well Drilling Machines. E. J. Holmes & Son, Ithaca, N. Y.
Eagle Well Drills. Williams Bros., Ithaca, N. Y
Eagle Wood Fibre Plaster. Amer. Cement Plaster Co., Buffalo. N. Y.
Eagle Wringers. Eagle Woodenware Mfg. Co., Hamilton, Ohio.
Eagleine Disinfectants, Lubricating Oils and Greases and Packing. Eagle Oil & Supply Co., Boston.
Eagleine Greases and Oils. Eagle Oil & Supply Co., Boston, Mass.
Eagleine Holdfast Belt Dressing. Eagle Oil & Supply Co., Boston.
Eaglesfield Motor Driven Wood Moulder. Vonnegut Machinery Co., Indianapolis, Ind.
Eames Halter Trimmings. Frazer & Jones Co., Syracuse, N. Y.
Earl Motor Cars. Earl Motors. Inc., Jackson, Mich.
Earle Centrifugal Pumps and Herringbone Gears. The Earle Gear & Machine Co., Philadelphia, Pa.
Earle Lace Leather Cutters. Greene, Tweed & Co., New York.
Earle's Revolving Ventilators. Berger Bros. Co., Philadelphia.
Earley Steam and Hot Water Heaters. Wm. Earley, Philadelphia.
Early Bird Contractors' Plows. Slusser-McLean Scraper Co., Sidney, O.
Early Bird Rakes. Casement Hardware Co., Chicago.
Early Bird Riding Listers. St. Joseph Plow Co., St. Joseph, Mo.
Ease-on Belt Dressing. Mt. Vernon Belting Co., Baltimore, Md.
Ease Rubber Heels. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Easiest Way Washing Machines. Easiest Way Mfg. Co., The, Sandusky, O.
Eastern Drill Chucks. Eastern Tube & Tool Co., Inc., Brooklyn, N. Y.
Eastern Hame Tips. Frazer & Jones Co., Syracuse, N. Y.
Eastern Metal Lath. Penn Metal Co., Boston.
Eastern Rolling Mill Automobile and Furniture Sheets. Wetherell Bros., Co., Cambridge, Mass.
Eastern Wheel Barrow. The Lansing Company, Lansing, Mich.
East India Cochin Oils. Welch, Holme & Clark Co., New York.
East Lake Hip Ornamental Shingles. W. J. Burton Co., Detroit, Mich.
Eastlake Metal Shingles. Montrose Metal Roofing Co., Camden, N. J.
Eastman Cloth Cutting Machines. Eastman Mach. Co., Buffalo, N. Y.
Eastman Fire Extinguishers. American Fire Apparatus Co., New York.
Eastman's Marble. Tompkins Kiel Marble Co., New York.
Easton Cars, Locomotives, Switches and Tracks. Eastern Car & Construction Co., Easton, Pa.
Easton Industrial Cars and Tracks. Easton Car & Construction Co., Easton, Pa.
Easton Water Closet. Sanitas Mfg. Co., Boston, Mass.
Easton's Furniture Polish. Bridgeport Wood Finishing Wks. (Du Pont) Philadelphia.
Easy Bench Punches. Butts & Ordway Co., Boston.
Easy Bolt Clippers. H. K. Porter, Everett, Mass.
Easy Clothes Washing Machine. Syracuse Washing Machine Corp., Syracuse, N. Y.
Easy Cultivators. Ohio Cultivator Co., Bellevue, O.
Easy Cutter Can Openers. Tafo Mfg. Co., Los Angeles, Calif.
Easy Cutting Hoof Parers. Heller Bros. Co., Newark, N. J.
Easy Door Hangers. Lawrence Bros., Sterling, Ill.
Easy Emptying Grass Catchers. Specialty Mfg. Co., St. Paul, Minn.
Easy Flow Oil Cans. Bumann Mfg. Co., Litchfield, Ill.
Easy Garden Sprayers. Hudson Mfg. Co., Minneapolis, Minn.
Easy Gear Pullers. Tucker Tool Machine Co., New York.
Easy Grip Extension Hack Saw Frames. Millers Falls Co., Millers Falls, Mass.
Easy Hay Presses. W. H. Stopple, Dallas, Tex.
Easy Hold Punches and Nail Sets. Millers Falls Co., Millers Falls, Mass.
Easy Lawn Mowers. Blair Mfg. Co., Springfield, Mass.
Easy Lemon Squeezers. H. C. Hart Mfg. Co., Unionville, Conn.
Easy Lift Auto Hoists. Auto Truck Service Co., Milwaukee, Wis.
Easy Lift Sad Iron Handles. Reading Saddle & Mfg. Co., Reading, Pa.
Easy Lift Walking and Riding Cultivtors. Kingman Plow Co., Peoria, Ill.
Easy Liquid Freezers. Wm. A. Section Co., Inc., New York.
Easy Money Riding Listers, Easy Rider Stalk Cutters. Moline Plow Co., Moline, Ill.
Easy On Anti-skid Auto Chains. Woodworth Specialties Co., Binghamton, N. Y.
Easy Pour (Texaco) Motor Oil Container. The Texas Co., New York.
Easy Rider Stalk Cutters. Moline Plow Co., Moline, Ill.
Easy Screw Cutting Dies. Champion Blower & Forge Co., Lancaster, Pa.
Easy Setting Rat Traps. Lovell Mfg. Co., Erie, Pa.
Easy Starter Tank Heaters. Wisconsin Fdy. & Mach. Co., Madison, Wis.
Easy Swatters. Parker Wire Goods Co., Worcester, Mass.
Easy Taps. Champion Blower & Forge Co., Lancaster, Pa.
Easy Task Washboards. John A. Lawn, Lewistown, Pa.
Easy Way Cultivators. Racine-Sattley Co., Springfield, Ill.

Easy Way Hay Loaders. Sandwich Mfg. Co., Sndwich, Ill.
Easybright Stove and Shoe Polishes. B. F. Stinson & Co., Buffalo, N. Y.
Easylock Stove Pipe and Elbow. Jackes-Evans Mfg. Co., St. Louis.
Easyon Tire Chains. Woodworth Mfg. Corp., Niagara Falls, N. Y.
Eaton Axes. Dunn Edge Tool Co., Oakland, Me.
Eaton Axles. Eaton Axle and Spring Co., Cleveland, Ohio.
Eatons' Highland Linen Stationery. Eaton, Crane & Pike Co., Pittsfield, Mass.
Ebco Chrome Belting. Wm. Etsweiler & Co., Philadelphia, Pa.
Ebco Plumbers Sanitary Goods. D. A. Ebinger Sanitary Mfg. Co., Columbus, O.
Ebco Ventilated Toilet Fixtures. The D. A. Ebinger Sanitary Mfg. Co., Columbus, O.
Ebco Waterproofing Materials, Etc. Eberhardt & Co., Indianapolis, Ind.
Eberhardt Lathe and Planer Tools, Tool Holders. Hill Standard Mfg. Co., Anderson, Ind.
Eberhardt Lathe Tools and Tool Holders. Union Tool Co., Orange, Mass.
Eberhardt Tool Holders. Union Tool Co., Orange, Mass.
Ebinger Urinal Stalls. D. A. Ebinger Sanitary Mfg. Co., Columbus, O.
Ebona Packing. Republic Rubber Co., Youngstown, O.
Ebonestos Rod Packing. Quaker City Rubber Co., Philadelphia, Pa.
Ebonestos Metallic Gum Core Packing. Quaker City Rubber Co., Philadelphia.
Ebonite Gaskets, Hose, Sheet Packing, Tubing, Rubber Valves, Washers. Quaker City Rubber Co., Philadelphia, Pa.
Ebonite Lacquer. Nubian Paint & Varnish Co., Chicago.
Ebonite Transmission Grease. Bayerson Oil Works, Erie, Pa.
Ebonized Asbestos Lumber. Asbestos Shingle Slate & Sheathing Co., Ambler, Pa.
Ebony Asbestos Wood. Johns-Manville, Incorporated, New York.
Ebony Insect and Window Screen Cloth. New Jersey Wire Cloth Co., Trenton, N. J.
Ebony Round Raw Hide Belting. Missouri Belting Co., St. Louis, Mo.
Ebsen Oil Extractors. Griscom-Russell Co., New York.
Ebur Drinking Fountains and Lavatories. Crane Co., Chicago.
Eby Binding Post, Contact Points, Terminal, Etc. The H. H. Eby Mfg. Co., Philadelphia, Pa.
Eccentric Linemen's Wire Grips. Mathias Klein & Sons, Chicago.
Eccentric Mills for Enamel. Chas. Ross & Son Co., Brooklyn, N. Y.
Eccentric Spark Timers. A. R. Mosler & Co., Mt. Vernon, N. Y.
Ecco Code Wires. Habirshaw Electric Cable Co., New York.
Ecco-Temo Drip Machine Fluid. Rochester Germicide Co., Rochester, N. Y.
Ecco Wires and Cables. The Electric Cable Co., Bridgeport, Conn.
Echo Toys, Games and Novelties. Bregwoodkro Stamping & Mfg. Co., Lorain, Ohio.
Echols Interrupted Thread Taps. Pratt & Whitney Co., Hartford, Conn.
Eck High-Grade Motors. Eck Dynamo & Motor Co., Belleville, N. J.
Eck Hurricane Fans and Motors. Eck Dynamo & Motor Co., Belleville, N. J.
Eckenroth Automatic Reseating Valve. Eckenroth Valve & Mfg. Co., Manayunk, Philadelphia Pa.
Eckert Bell Cord Hangers, Car Water Closets. The Dayton Mfg. Co., Dayton, O.
Eckliff Automatic Boiler Circulators. Eckliff Automatic Boiler Circulator Co., Detroit, Mich.
Ecko Confectioners' Gas Furnaces. Edw. Katzinger Co., Chicago.
Eckstromer Storage Batteries. Am. Storage Battery Co., Boston.
Eclestic Lubricating Compound. International Chemical Co., Philadelphia, Pa.
Eclipse Air Brushes. Eclipse Air Brush Co., Newark, N. J.
Eclipse Adjustable Chain Wrenches. Hilts Wrench & Mfg. Co., Richford, N. Y.
Eclipse Alternating Current Motors. Fidelty Elect. Co., Lancaster, Pa.
Eclipse Ammeters. Eldridge Elec. Mfg. Co., Springfield, Mass.
Eclipse Annealing Furnaces, Melting Furnaces and Glue Heaters. Eclipse Fuel Engineering Co., Rockford, Ill.
Eclipse Autoclaves and Sterilizers. Bramhall, Deane Co., New York.
Eclipse Babbitt Metal. Pacific Metal Works, San Francisco. Cal.
Eclipse Bearings and Bushings. Pacific Metal Wks., San Francisco.
Eclipse Belt Dressing. Wm. L. McLellan, Norwalk, Conn.
Eclipse Belting and Hose. Pennsylvania Rubber Co., Jeannette, Pa.
Eclipse-Bendix Motor Drive. Eclipse Machine Co., Elmira, N. Y.
Eclipse Boiler and Locomotive Injectors. Jas. A. Griffiths, Philadelphia.
Eclipse Boiler Injectors. Jas. A. Griffiths & Son, Philadelphia, Pa.
Eclipse Bottom Dumping Buckets. Lakewood Engineering Co., Cleveland.
Eclipse Bread Mixers. Manning, Bowman & Co., Meriden, Conn.
Eclipse Brushes. A. L. Sonn Brush Co., Troy, N. Y.
Eclipse Caboose Colors; Locomotive and Coach Body Finishing Varnish. Chas. R. Long, Jr., & Co., Louisville, Ky.
Eclipse Canvas Wheels. A. P. Munning & Co., New York.
Eclipse Car Fenders and Wheel Guards. Eclipse Railway Supply Co. Cleveland, O.
Eclipse Car Finish. C. A. Whilley Co., Long Island City, N. Y.
Eclipse Carburetors. Generator Valve Co., Brooklyn, N. Y.
Eclipse Ceiling Hooks. E. Jencks Mfg. Co., Worcester, Mass.
Eclipse Centrifugal Pumps. United Iron Works, Oakland, Cal.
Eclipse China Painters' Palettes. Stirrup Mfg. Co., Inc., Newark, N. J.
Eclipse Closet Seats. C. F. Church Mfg. Co., Holyoke, Mass.
Eclipse Cobblers' Outfits. Fate-Root-Heath Co., Plymouth, Ohio.
Eclipse Commutator Dressing. W. G. Nagel Electric Co., Toledo, O
Eclipse Concrete Mixers. Standard Scale & Supply Co., Pittsburgh, Pa.
Eclipse Corliss Engines. Frick Co., Waynesboro, Pa.
Eclipse Corn Sheller. A. B. Farquhar Co., Ltd., York, Pa.
Eclipse Cotton Mops. C. H. Ellert, Evansville, Ind.
Eclipse Cotton Rope. Anniston Cordage Co., Anniston, Ala.
Eclipse Counterbores. Eclipse Interchangeable Counterbore Co., Detroit, Mich.
Eclipse Coupler Yokes. American Steel Foundries, Chicago.
Eclipse Cultivators. J. I. Case Plow Works, Racine, Wis.
Eclipse Currycombs. New York Stamping Co., Brooklyn, N. Y.
Eclipse Deck Sash Ratchets. Tuco Products Corp., New York.
Eclipse Disc Harrows. Thompson Plow & Engine Works, Beloit, Wis.
Eclipse Door Checks. Sargent & Co., New Haven, Conn.
Eclipse Electric Bells. P. R. Mfg. Co., Detroit, Mich.
Eclipse Enclosed Groove Car Curtain Fixture. Railway Curtain Co., Chicago.
Eclipse Fanning Mills and Separators. Johnson & Field Mfg. Co., Racine, Wis.
Eclipse Faucets. Chas. I. Allen, Pequabuck, Conn.
Eclipse Filters. Hygeta Filter Co., Detroit, Mich.
Eclipse Finger Nail Clippers. Chas. Geider, Jr., Ansonia, Conn.
Eclipse Fire Hose Racks. Wirt & Knox Mfg. Co., Philadelphia.
Eclipse Fire Hydrants. Jno. C. Kupferle Fdy. Co., St. Louis, Mo.
Eclipse Fire Hydrants, Shoe Blacking Foot Rests, Shoe Lasts and Stands, Shoemaker's Hammers. John C. Kupferle Foundry Co., St. Louis.
Eclipse Friction Clutch Pulleys, Steel Tanks, Windmills, Windmill Regulators. Fairbanks, Morse & Co., Chicago.
Eclipse Gas and Gasoline Pumping Engines, Pumps, Windmills, Clutches, Asphalt Roofing, Friction Clutch Couplings and Pulleys. Fairbanks, Morse & Co., Chicago.
Eclipse Gas Heaters, Ranges, Laundry Stoves, Match Safes. Eclipse Gas Stove Co., Rockford, Ill.
Eclipse Gas Stoves and Steel Ranges. Eclipse Stove Co., Mansfield, O.
Eclipse Gasoline Engines. Harms Bros., Baltimore, Md.
Eclipse Glass Cutters and Nail Pullers. Smith & Hemenway Co., Inc., New York.
Eclipse Hand Corn Planters. F. E. Kohler Co., Canton, O.
Eclipse Hanger. Milwaukee Corrugating Co., Milwaukee, Wis.
Eclipse Hickory Handles. Hartwell Handle Co., Harvey, Ill.
Eclipse Hose Nozzles and Rubber Heels. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Eclipse Hose Racks. Wirt & Knox Mfg. Co., Philadelphia, Pa.
Eclipse Hot Air Furnaces. Buckwalter Stove Co., Royersford, Pa.
Eclipse Incandescent Gas Mantles. Eclipse Light Co., New York.
Eclipse Incubators and Brooders. Des Moines Incubator Co., Des Monies, Ia.
Eclipse Industrial Gas Appliances. Eclipse Fuel Eng'g Co., Rockford, Ill.
Eclipse Inkwells. General Eclipse Co., Danielson, Conn.
Eclipse Iron Box Bells and Buzzers. Stanley & Patterson, Inc., New York.
Eclipse Keyless Flexible Post Ledger. Stationers' Loose Leaf Co., Milwaukee, Wis.
Eclipse Kitchen Knives. Christy Knife Co., Fremont, O.
Eclipse Lawn Mower. Eclipse Lawn Mower Co., Prophetstown, Ill.
Eclipse Life Guards, Trolley Retrievers. The Eclipse Railway Supply Co., Cleveland, O.
Eclipse Locomotive Injectors. James A. Griffith & Son, Phila., Pa.
Eclipse Machinery. Eclipse Interchangeable Counterbore Co., Detroit, Mich.
Eclipse Marine Engines. Harms Bros., Baltimore, Md.
Eclipse Marking Inks. Binney & Smith Co., New York.
Eclipse Mixers. Geo. C. Christopher & Son, Wichita, Kan.
Eclipse Motors. Eclipse Motor Co., Mancelona, Mich.
Eclipse Oil Cabinets and Tin Oil Pumps. R. E. Chapin Mfg. Works, Batavia, N. Y.
Eclipse Packing. General Asbestos Rubber Co., Charleston, S. C.
Eclipse Paint and Varnish Remover. Gould & Cutler, Boston.
Eclipse Paints. Reisenmann Mfg. Co., Franklin, Pa.
Eclipse Paper Hanger Trimmers. A. Allen & Co., Philadelphia.
Eclipse Pasteurizer. Creamery Package Mfg. Co., Chicago.
Eclipse Pipe Hooks. Thos. Devlin Mfg. Co., Philadelphia.
Eclipse Piston and Rod Packing. Peerless Rubber Mfg. Co., New York.
Eclipse Piston Rings. Hope Machine Co., Philadelphia.
Eclipse Pneumatic Ink Wells. General Eclipse Co., Danielson, Conn.
Eclipse Portable Grain Elevators. T. L. O'Neil Implement Co., Marseilles, Ill.
Eclipse Pulley Covering. Eclipse Pulley Covering Co., Chicago.
Eclipse Pump Governors, Pipe Hangers, Steam Traps and Valves. Hughson Steam Specialty Co., Chicago.
Eclipse Pumps, Tanks. Morril & Morley Mfg. Co., Benton Harbor Mich.
Eclipse Ranges. Tappan Stove Co., Mansfield, Ohio.
Eclipse Roll Paper Cutters. Hilts Wrench & Mfg. Co., Richford, N. Y.
Eclipse Safety Fuse. E. I. du Pont de Nemours & Co., Inc., Explosives & Smokeless Powder Depts., Wilmington, Del.
Eclipse 6 Lever Padlocks. Fraim-Slaymaker Hdwe. Co., Inc., Lancaster, Pa.
Eclipse Smoke Indicators. Boiler Room Equipt. Co., Chicago.
Eclipse Special Fuse. E. I. du Pont de Nemours & Co., Inc., Explosives and Smokeless Powder Depts., Wilmington, Del.
Eclipse Spray Pumps. Morrill & Morley Mfg. Co., Benton Harbor, Mich.
Eclipse Springs, Hooks, Brush Holders, Kitchen Wire Goods, Stove Lid Lifters, Pokers, Towel Rods, Wire Products, Locks. Wickwire Spencer Steel Corp., New York.
Eclipse Steam Specialties. Illinois Engineering Co., Chicago.
Eclipse Steel Wire Mats. La Porte Mat & Mfg. Co. La Porte Ind.
Eclipse Stone Unloaders. Galion Iron Works & Mfg. Co., Galion, O.
Eclipse Stove Pipe Thimbles. Eclipse Metal Mfg. Co., Eden, N. Y.
Eclipse Time Stamp. A. D. Joslin Mfg. Co., Chicago—R. A. Stewart & Co., New York.
Eclipse Traction Steam Engines. Frick Co., Waynesboro, Pa.
Eclipse Trolley Retrievers. Eclipse Railway Supply Co., Cleveland, O.
Eclipse Unloaders. Galion Iron Works & Mfg. Co., Galion, O.
Eclipse Vacuum Hand Clothes Washers. Blackstone Mfg. Co., Jamestown, N. Y.
Eclipse Valves. Illinois Engineering Co., Chicago.
Eclipse Weeder. Bateman & Companies, Inc., New York.
Eclipse Vises. Charles Parker Co., Meriden, Conn.
Eclipse Wagon Jacks. Torrey Bros. Co., Central Village, Conn.
Eclipse Waste Oil Presses. Strong Mach. & Supply Co., New York.
Eclipse Wind Shield Cleaners. Amer. Automatic Devices Co., Chgo.
Eclipse Wire Stretchers. Milwaukee Hay Tool Co., Milwaukee, Wis.
Eclypse Drill Chucks. Nielson-Barton Chuck Co., Chicago.
Ecnarusni Extinguishers. Buffalo Fire Appliance Corp., Buffalo, N. Y.
Eco Acetylene Storage Tank. Eco Mfg. Co., Boston, Mass.
Eco Air and Water Stations, Engine Stands, Motor Handling Machines, Etc. Western Mfg. Co., Oskaloosa, Ia.
Eco Cement and Concrete Waterproofer. American Builders Products Co., Chicago.
Eco Door Switches. Edwards & Co., Inc., New York.
Eco Electric Door Switches. Edwards & Co., New York.
Eco Non-Renewable, Non-Indicating Fuses. Economy Fuse & Mfg. Co., Chicago.
Eco Numethod Concentric Piston Rings. Eco Mfg. Co., Boston.
Eco Nuprocess Eccentric Piston Rings. Eco Mfg. Co., Boston.
Eco Oil Control Piston Rings. Eco Mfg. Co., Boston.
Eco Watchman's Clocks. Eco Clock Co., New York and Boston.
E-Cod Fabric Lath. MacAdams & Call, Chicago.
Econo Expanded Metal, Machy. Guards and Safety Devices. Northwestern Expanded Metal Co., Chicago.
Econo-Lub Lubricating Compounds. Middle States Oil Co., Cleveland, O.
Econo Steel Reinforcing. North Western Expanded Metal Co., Chicago.

Economic Auto Inner Tubes. Eno Rubber Corp., Los Angeles.
Economic Boilers. Erie City Iron Works, Erie, Pa.
Economic Bottle Washing Machinery. Loew Mfg. Co., Cleveland.
Economic Electric Pumps. Bleyle Electric Co., New York.
Economic Force Pumps. W. & B. Douglas, Middletown, Conn.
Economic Gas Burners. E. P. Gleason Mfg. Co., New York.
Economic Ice Machines. Webster Mfg. Co., Los Angeles, Calif.
Economic Lead Furnaces. A. P. Smith Mfg. Co., East Orange, N. J.
Economic Lime Spreaders. Hench & Dromgold Co., York, Pa.
Economic Spark Coils. New York Coil Co., New York.
Economic Truck Caster. Hamilton Caster & Mfg. Co., The, Hamilton, O.
Economic Wool Oil. Swan & Finch Co., New York.
Economical Cobblers' Outfits. Fate-Root-Heath Co., Plymouth, O.
Economist Stoves and Ranges. Southern Signal Co., Louisville, Ky.
Economizer Gasoline Engines. Chapman Engine Co., Marcellus, Mich.
Economo Time Stamps. Louis Melind Co., Chicago.
Economy Adjustable Hoods for Polishing, Buffing and Grinding Wheels. Kirk & Blum Manufacturing Co., Cincinnati, O.
Economy Automatic Combination Boilers. Economy Heater Co., Chicago.
Economy Baling Presses; Fire Proof Receptacles. Economy Baler Co., Ann Arbor, Mich.
Economy Bells and Door Openers. Edwards & Co., Inc., New York.
Economy Belt Shifters. L. T. Hagan, Winchester, Ky.
Economy Boiler Covering. Johns-Manville, Inc., New York.
Economy Brake Shoes. De Remer-Blatchford Co., Chicago.
Economy Brand Brazing Flux. Economy Welding Machine Co., Kansas City, Mo.
Economy Bread and Cake Mixers. L. A. Carpenter Press Metal Co., Cambridge, Mass.
Economy Carbonators. Ohio Pump & Brass Co., Columbus, O.
Economy Cast Steel Draft Arms. American Steel Foundries, Chicago
Economy Clothes Washing Machines. Ohio Pump & Brass Co., Columbus, O.
Economy Cobblers' Outfits. Fate-Root-Heath Co., Plymouth, O.
Economy Cold Saw Cutting Off and Electric Driver and Structural Steel Shaped Saws, Hack Saws, Saw Blades and Frames, Circular for Metal Cutting Off. W. Roberson Mach. & Fdy.Co.,Buffalo, N. Y.
Economy Combination Gas Heating Boilers. Economy Heater Co., Chicago.
Economy Combustion Chamber and Oil Burning Furnaces; Steel Freight Car Ladders. De Remer-Blatchford Co., Chicago.
Economy Corkboard. United Cork Companies, Lyndhurst, N. J.
Economy Cotton Mops. C. H. Ellert, Evansville, Ind.
Economy Cutters and Reamers. The H. H. Arnold Co., Inc., Rockland, Mass.
Economy Cutting and Drilling Compounds and Valve Grinding Compounds. White & Bagley Co., Worcester, Mass.
Economy Desk Telephone Brackets. American Electric Co., Chicago.
Economy Disc Harrows, Seeders and Sowers and Seeder Attachments. Moline Plow Co., Moline, Ill.
Economy Double Headed Nails. The F. A. Neider Co, Inc., Augusta,Ky.
Economy Drag Line Excavators, Dredging Buckets, Sewer and Trench and Excavating Machines. Gage Excavating Co., Iowa Falls, Ia.
Economy Drawing Tables, Filing Cases, etc. Economy Drawing Table Co., Adrian, Mich.
Economy Drills, Bits, Chucks. The Whitman & Barnes Mfg. Co., Akron, O.
Economy Electric Bells. Edwards & Co., New York.
Economy Engine Lathes. Rockford Lathe & Drill Co., Rockford, Ill.
Economy Excavators. Economy Excavator Co., Iowa Falls, Ia.
Economy Extension Clothing Carriers. Knape & Vogt Mfg. Co., Grand Rapids, Mich.
Economy Feed Water Regulators. American Safety Lamp and Mine Supply Co., Scranton, Pa.
Economy Fences. Keystone Steel & Wire Co., Peoria, Ill.
Economy Fillets. Brodin Pattern & Supply Co., Chicago.
Economy Firing Tools. Boiler Room Supply Co., Chicago.
Economy Fuel Gas Burners. Chatfield & Sharp, Jamestown, N. Y.
Economy Garbage Disposal Plants. Guardian Gas Appliance Co., Cleveland.
Economy Gas Ranges. Economy Stove Co., Cleveland.
Economy Gas Steam Generator. Economy Iron Wks., Chester, Pa.
Economy Grinding Hoods. Kirk & Blum Mfg. Co., Cincinnati, O.
Economy Hack Saws. W. Robertson Mach. & Fdry. Co., Buffalo, N. Y.
Economy Iceless Refrigerator. Carstens Bros., Ackley, Ia.
Economy Incandescent Lamps. Economy Electric Co., Warren, O.
Economy Inks, Ink Tablets, Library Paste, etc. Economy Ink Co., Cincinnati, O.
Economy Iron Stove Pipe. Crunden Martin Mfg. Co., St. Louis, Mo.
Economy Lathes. Rockford Lathe & Drill Co., Rockford, Ill.
Economy Laundry Marking Pins. The Keyes-Davis Company, Inc.,
Economy Leather Belting. Aetna Belting Co., Boston, Mass.
Economy Mailing Bags. Bemis Bros. Bag Co., St. Louis, Mo.
Economy Manganese Bronze Rods. Economy Welding Machine Co., Kansas City, Mo.
Economy Manual Training Benches. Economy Mfg. Co., Philadelphia.
Economy Marine Gasoline Engines. Donegan & Swift, New York.
Economy Milk Heaters and Coolers. Creamery Package Mfg. Co., Chicago.
Economy Oil Filters. G. W. Gallway, New York.
Economy Oxy-Acetylene Welding Apparatus. Economy Welding Machine Co., Kansas City, Mo.
Economy Pipe Joint Cements. Modern Iron Works, Quincy, Ill.
Economy Plaster Board. Southern Gypsum Co., N. Holston, W. Va.
Economy Poultry Fountains. Oakes Mfg. Co., Tipton, Ind.
Economy Pumps. Economy Pumping Machinery Co., Chicago.
Economy Ranges, Boilers and Water Heaters. Economy Heater Co., Chicago.
Economy Renewable Cartridge and Plug Fuses, Inlet, Outlet and Switch Boxes; Elexit and Plugs (Wall and Ceiling). Economy Fuse & Mfg. Co., Chicago.
Economy Renewable Cartridge Fuses; Plug Fuses. Economy Fuse & Mfg. Co., Ltd., Montreal, Canada.
Economy Rigid Steel Conduits. National Metal Molding Co., Pittsburgh, Pa.
Economy Roller Side Bearings. Chicago Ry. Equip. Co., Chicago.
Economy Roof Flanges. Specialty Mfg. Co., St. Paul, Minn.
Economy Shovel Ash Sifters. J. F. Rittenhouse Mfg. Co., Liberty Mills, Ind.
Economy Steam and Hot Water Heaters. Pittsburgh Water Heater Co., Pittsburgh.
Economy Steel Collapsible Horse or Trestle. Economy Scaffold Co., Chicago.
Economy Stove Pipes. A. Geisel Mfg. Co., St. Louis, Mo.
Economy Stoves. Comstock-Castle Stove Co., Quincy, Ill.
Economy Street Flushing Machines. T. L. O'Neil Co., Marseilles, Ill.
Economy Street Sweeper. Motorcycle Sweeper Co., Los Angeles, Cal.
Economy Surveyors' Compasses. Eugene Dietzgen Co., Chicago.
Economy Switch Points, Etc. Louisville Frog & Switch Co., Inc., Louisville, Ky.
Economy Switch Stands. American Valve & Meter Co., Cincinnati, O.; Higgins & Co., Chicago.
Economy Tank Heaters. Dayton-Dowd Co., Quincy, Ill.
Economy Telephone Brackets. American Electric Co., Chicago.
Economy Tie Buckle. Ersted Machinery Mfg. Co., Portland, Ore.
Economy Tiering Machine. Economy Engineering Co., Chicago.
Economy Toggles. Economy Toggle Co., Boston.
Economy Trailers. Horstmann Mfg. Co., San Francisco.
Economy Uncoupling Lever Attachment. National Car Equipment Co., Chicago.
Economy Ventilators. Canton Art Metal Co., Canton, O.
Economy Waste Baling Presses. Economy Baler Co., Ann Arbor, Mich.
Economy Waste Oil Presses. Strong Machy. & Supply Co., New York.
Economy Water Tube Boilers. Henry O'Dougherty, Brooklyn, N. Y.
Economy Wire Wheel Brushes. The Osborn Mfg. Co., Inc., Cleveland.
Economy Woven Wire Fences. Keystone Steel & Wire Co., Peoria, Ill.
Eddiboard Wall Boards. Eddy Wall Board Co., Three Rivers, Mich.
Eddy Arc Lamp Windlasses. Commercial Electrical Supply Co., St. Louis, Mo.
Eddy Farm Boilers, Feed Cutters and Potato Hiller. W. Eddy Plow Co., Greenwich, N. Y.
Eddy Fire Hydrants. Eddy Valve Co., Waterford, N. Y.
Eddy Gate Valves. Eddy Valve Co., Waterford, N. Y.
Eddy-Kirkwood Shaking and Dumping Grate. Chicago Metal Reduction Co., Chicago.
Eddy Refrigerators. D. Eddy & Sons Co., Boston, Mass.
Eddy Vacuum Heating. Eddy Engineering Co., Alpena, Mich.
Eddystone Rubber Stone. Electric Hose & Rubber Co., Dept. H, Wilmington, Del.
Eddystone Sash Cords. Silver Lake Co., Newtonville, Mass.
Edelvice Enamel. Keystone Varnish Co., Brooklyn, N. Y.
Edelweiss Exterior White Enamel. Truscon Laboratories, Detroit, Mich.
Eden Circuit Breakers. S. B. Condit, Jr., & Co., Boston, Mass.
Eden-Foster Testing Machine. Herman A. Holz, New York.
Eden Washing Machines. Gillespie Eden Corp., New York.
Edexco Glass Head Map Tacks, Pins, Sales Maps, Etc. Educational Exhibition Co., Providence, R. I.
Edexo Map Paper. Education Exhibition Co., Providence, R. I.
Edgar Allen Tool Steel Importers. Edgar Allen & Co., Chicago, Ill.
Edgar Lawn Trimmer. Osmundson Spade Mfg. Co., Perry, Ia.
Edgar Purdum Electrolysis Cells. Eimer & Amend, New York.
Edgar Terne Plates. Lyon, Conklin & Co., Inc., Baltimore, Md.
Edgar's Bath Tub Enamels. Globe Varnish Co., Pittsburgh.
Edgecumbe Elastic Metal Packing. J. C. Edgecumbe & Co., New York.
Edge-On Belting Mfrs. Capen Belting & Rubber Co., St. Louis, Mo.
Edge Moor Water Tube Boilers. Edge Moor Iron Co., Edge Moor, Del.
Edgemont Friction Clutches. Edgemont Machine Co., Dayton, O.
Edger's Fire Shovels. New York Stamping Co., Brooklyn, N. Y.
Edgerton Continuous Roller Presses. Kutztown Fdry. & Machine Co., Philadelphia.
Edgerton Motor Tester. R. G. Edgerton & Co., Suffolk, Va.
Edgevale Reverse Trap. Central Metal & Supply Co., Baltimore, Md.
Edgeville Reverse Trap Water Closets. Central Metal & Supply Co., Baltimore, Md.
Edgeware Piston Rod Packing. Strong Machy & Sup. Co., New York.
Edgewater Belting, Hose, Packing, Plumbers' Friend. Quaker City Rubber Co., Philadelphia.
Edgewood Screw Drivers. Turner & Deegan, Bristol, Conn.
Edinburg Mortar Colors. Toch Brothers, Inc., New York.
Ediphone Dictating Machine. Thomas A. Edison, Inc., Orange, N. J.
Ediphone Dictographs. Thos. A. Edison, Inc., Orange, N. J.
Edis Pickling Compounds. Research Mfg Co., Oak Lane Station, Pa.
Edison Babbitt Metal. Nassau Smelting & Refining Works, New York.
Edison Carbon Incandescent Electric Lamps. Edison Lamp Works of General Electric Co., Harrison, N. J.
Edison Cement. Edison Portland Cement Co., Stewartville, N. J.
Edison-Dick Rotary Mimeograph. A. B. Dick Company, Chicago.
Edison Electric Safety Mine Lamp. Edison Storage Battery Co., Orange, N. J.
Edison Gem Incandescent Electric Lamps. Edison Lamp Works of General Electric Co., Harrison, N. J.
Edison Heavy Duty Equipment. Edison Electric Appliance Co., Inc., Chicago.
Edison Mazda Incandescent Electric Lamps. Edison Lamp Works of General Electric Co., Harrison, N. J.; General Electric Co., Schenectady, N. Y.
Edison Mimeograph Duplicaters. A. B. Dick Co., Chicago, Ill.
Edison Phonographs. Thomas A. Edison, Orange, N. J.
Edison Portland Cement. Edison Portland Cement Co., Inc., Stewartsville, N. J.
Edison Primary Batteries. Open Circuit and Renewal Batteries. Thos. A. Edison, Inc., Bloomfield, N. J.
Edison Storage Batteries. Edison Storage Battery, Co., Orange, N. J.
Edison Waterproofing Materials. North Jersey Paint Co., Stewartville, N. J.
Ediswan Lamp Adapters. Frank W. Morse, Boston.
Edixo Metal Kote Paints. Phelan-Faust Paint Mfg. Co., St. Louis, Mo.
Edlund Detachable Head Broom. The Osborn Mfg. Co., Inc., Cleveland.
Edmanco Metal Ceilings and Walls, Shingles, Spanish Tile Roofing and Siding, Window Frames and Sash, Covered Doors, Rolling Doors, and Shutters. Edwards Mfg. Co., Cincinnati, O.
Edna Injectors and Lubricators. Edna Brass Mfg. Co., Cincinnati, O.
Edna Locomotive Injectors. Edna Brass Mfg. Co., Cincinnati, O.
Edson Bottle Filling Machines, Capstans, Marine Steering Glare and Wheels, Hose Couplings, Suction Hose, Rubber Diaphragms, Odorless Sewage Disposal Outfits, Pumps, Winches and Windlasses. Edson Mfg. Corp., Boston.
Edson Diaphragm Pumps. Edson Mfg. Co., Boston, Mass.
Edson Recording Pressure and Alarm Gauges. Manning Maxwell & Moore Co., Inc. (Ashcroft Mfg. Co. Div.) New York.
Edson Rubber Diaphragms. Empire Tire & Rubber Corp., Trenton, N. J.
Edsonia Metal Polish. M. K. Bowman Edson Co., New York.
Education Open Range and Washout. Haines, Jones & Cadbury Co., Philadelphia.
Educator Flags. Emerson Mfg. Co., San Francisco.
Edward Non Return Valves. The Edward Valve & Mfg. Co., Chicago.
Edward Unions, Valves and Steam Separators. Edward Valve & Mfg. Co., East Chicago, Ind.
Edwards Bells. Edwards & Co., Inc., New York.
Edwards Ceilings and Shingles. Edwards Mfg. Co., Cincinnati, O.
Edwards' 1872 Electric Bells. Edwards & Co. (Inc.), New York.
Edwards Flue Stops. Washburn Co. (Andrews Div.) Rockford, Ill.
Edwards Flying Shears. Morgan Construction Co., Worcester, Mass.

Edwards Inks, Mucilage and Paste. H. Edwards Mfg. Co., San Francisco.
Edwards Metal Ceilings, Metal Shingles, Metal Tile, Steel Lockers and Shelving, Rolling Steel Doors, Iron and Steel Roofing, Portable Steel Buildings. Edwards Mfg. Co., Cincinnati, O.
Edwards Trap Doors, Filing Cabinets and Metallic Furniture. O. M. Edwards Co., Inc., Syracuse, N. Y.
Eetna Step Ladders. S. A. Smith Mfg. Co., Brattleboro, Vt.
Efemco Casters. Foster, Merriam & Co., Meriden, Conn.
Efemco Products. Foster, Merriam & Co., Meriden, Conn.
Effective Ash Receiver. Gunster Bros., Scranton, Pa.
Effecto Auto Finishes. Pratt & Lambert, Inc., Buffalo, N. Y.
Efficiency Cotter Pins. Falls Rivet Co., Dept. H, Kent, O.
Efficiency Cotters. The Ohio Wire Works Goods Mfg. Co., Akron, O.
Efficiency Desks. Yawman & Erbe Mfg. Co., Rochester, N. Y.
Efficiency Drawing Compounds. Swan & Finch Co., New York.
Efficiency Gas Oil. Efficiency Oil Sales Co., Detroit, Mich.
Efficiency Oils and Greases. Gas Engine Efficiency Co., St. Louis, Mo.
Efficiency Rail Anchor. Anchor Company, Milwaukee, Wis.
Efficiency Steel Furniture. Watson Mfg. Co., Jamestown, N. Y.
Efficiency Tool Holders. Whitman Metal Goods Co., Whitman, Mass. Worcester Flexible Tubing Co., Worcester, Mass.
Efficiency Window Frame Machines. Holt-Shattuck Co., Boston, Mass.
Efficient Glass Door Ovens. Ohio State Stove Co., Columbus, O.
Effico Suction Ventilator. W. F. Hirschman, Inc., Buffalo, N. Y.
Efflofyx Waterproofing for Stucco. The Vitrifyx Co., Chicago.
Egan Diggers. Egan Mfg. Co., La Crosse, Wis.
Egan Potato Sprayers. McKenzie Mfg. Co., La Crosse, Wis.
Egco Lumber and Timber. Eastman, Gardiner & Co., Laurel, Miss.
Eggcrate Grating. Irving Iron Works Co., Long Island City, N. Y.
Eglentine Bridle Bits. Bartley Bros. & Hall, New York.
Egry Clerical Systems Egry Register Co., Railways Division, Dayton, O.
Egyptian Core Packing. Quaker City Rubber Co., Philadelphia, Pa.
Egyptian Dressing. Wm. L. McLellan, Norwalk, Conn.
Egyptian Fibre. Delaware Hard Fibre Co., Wilmington, Del.
Egyptian Flax Packing. W. Chesterton Co., Boston.
Egyptian Metal Hot Water Bottles. Whitaker Mfg. Co., Chicago.
Egyptian Paint. National Roofing Co., Tonawanda, N. Y.
Egyptian Paving Brick. Murphysboro Paving Brick Co., Murphysboro, Ill.
Egyptian Rod Packing. Quaker City Rubber Co., Philadelphia.
Ehret's Pipe Covering. Ehret Magnesia Mfg. Co., Philadelphia and Chicago.
Ehrhardt's Weighing Apparatus. MacLeod Co., Cincinnati, O.
Ehro Pitch and Felt. Ehret Roofing Co., Philadelphia.
Ehrolastic Roofing Cement. Ehret Roofing & Mfg. Co., Philadelphia.
Eichhoff Pay-Out andd Take-In Wire Reels. C. R. Kieruff Co., Los Angeles.
Eick Washing and Rinsing Machines. S. S. Wenzell Machine Co., Philadelphia.
1855 Cutters. H. K. Porter, Everett, Mass.
1885 Electric Wire and Cables. Chicago Insulated Wire & Mfg. Co., Sycamore, Ill.
Eight Lever Padlocks. E. T. Fraim Lock Co., Lancaster, Pa.
85% Magnesia Locomotive Lagging and Pipe Coverings. The Franklin Mfg. Co., Franklin, Pa.
85% Magnesia Pipe Insulation, Sheets and Blocks. Johns-Manville Incorporated, New York.
Eighteen Nineteen Original Tinners' Snips. Peck, Stow & Wilcox Co., Cleveland.
83 Japan Varnish. Bigelow Varnish Co., Newark, N. J.
Eisemann Magnetos. The Eisemann Magneto Co., Brooklyn, N. Y.
Ejecto Cigarette Holder. Ejecto Cigarette Holder Co., San Francisco.
Ekco Automatic Dough Dividing Machines. Edw. Katzinger Co., Chicago.
Ek-El-Ard Thread Cutting Oil. G. A. Hosmer Co., Buffalo, N. Y.
Ekla Battery Bells. P. R. Manufacturing Co., Detroit, Mich.
Ekla Electric Bells. P. R. Mfg. Co., Detroit, Mich.
Ekla Mechanical Rubber Tubing, Baby Carriage Tires and Radiator Hose. Eclat Rubber Co., Cuyahoga Falls, O.
Ekla Skeleton Gongs. Stanley & Patterson, Inc., New York.
Eklips Multi-Point Spark Plugs. The Fulton Co., Milwaukee, Wis.
Eko Driers. Tousey Varnish Co., Chicago.
Eko Varnish. LaSalle Varnish Co., Chicago.
Elaine Kerosene Oil. Standard Oil Co., San Francisco.
Elaine Red Oils. Emery Candle Co., Cincinnati, O.
Elalco Monel Metal. Electrical Alloy Co., Morristown, N. J.
Elasco Sanitary Flooring. Malott & Peterson, San Francisco.
Elasko Pipe Joint Cements. F. M. Stearns & Co., Jamestown, N. Y.
Elastic Compound Armature Black Enamel, Paint, Oil, Barbon Black, Red Lead and Red Oxide Paints. Elastic Compound Co., Phila.
Elastic Electric Car Brakes. McGuire-Cummings Mfg. Co., Chicago.
Elastic Enamel Coating and Preserving Paints. Jones Paint Co., Rome, N. Y.
Elastic Glazing Composition; Seam Composition. H. B. Fred Kuhls, Brooklyn, N. Y.
Elastic Lock Adjustable Shade Fixture. H. B. Dodge & Co., Chicago.
Elastic Roof Cement. Stone Tar Products Co., Brooklyn, N. Y.
Elastic Rotary Riveting Machines. F. B. Shuster Co., New Haven, Conn.
Elastic Steel Door Mats. Wire Goods Co., Worcester, Mass.
Elastic Varnishes and Japans. Berry Bros., Detroit, Mich.
Elastic Wire Mats and Matting. Wire Goods Co., Worcester, Mass
Elastica Floor Finish and Varnish. Standard Varnish Works, Elm Park, N. Y.
Elastica Magnesite Exterior Wall Covering. American Materials Co., New York.
Elastica Stucco. American Materials Co., New York.
Elastica Stucco and Building Cement. U. S. Materials Co., Chicago.
Elastica Varnish. Standard Varnish Works, New York.
Elastica Wall Covering. Art Stucco Materials Co., Inc., Detroit, Mich.
Elastigum Plastic Waterproof Cement, Liquid-Fibrous Coating. Barrett Co., New York.
Elastikote Paint. Tropical Paint & Oil Co., Cleveland, O.
Elastique Silico Manganese Spring Steel. United Alloy Steel Corp., Canton, O.
Elastite Expansion Joints. Philip Carey Mfg. Co., Cincinnati, O.
Elastite Pavement Expansion Joint. American Insulation Co., Philadelphia, Pa.
Elasto Fibre Products. Rubber Fiber Co., Boston, Mass.
Elasto Sheet Packing, Shoe Covers. Rubber Fiber Co., Boston.
Elastoid Candle Tubes. The Elastoid Fibre Co., Waltham, Mass.
Elastuf Paints. Warren, Corning & Co., Chicago.
Elastoid Paper Sleeves, Tubes and Insulated Socket Linings. Elastoid Fiber Co., Waltham, Mass.
Elaterite Asbestos Roofing and Paints. Western Elaterite Roofing Co., Denver, Colo.
Elaterite Cements, Joints, Paints, Roof Coating, Roofing and Asphalt Products. Western Elaterite Roofing Co., Denver, Colo.
Elaterite Paints, Varnish and Waterproofing. Elaterite Varnish & Rubber Co., Los Angeles.
Elaterite X Grades Roofing. Western Elaterite Roofing Co., Denver, Col.
Elateron Mineral Rubber. Canfield Co., Cleveland.
Elba High Carbon Steel. Ludlum Steel Co., Watervliet, N. Y.
Elba Lavatories and Fittings. James Barrett Mfg. Co., Boston.
Elba Searchlights. Willard Storage Battery Co., Cleveland, O.
Elbe Loose Leaf Binders. Elbe File & Binder Co., Inc., New York.
Elbert Coal Heater. B. C. Bibb Stove Co., Baltimore, Md.
Elbeco Cambric. Landers Bros. Co, Toledo, O.
Elbon Hose; Packing. The Diamond Rubber Co., Inc., Akron, O.
Elcannes Reinforcement Bars. Lackawanna Steel Co., Lackawanna, N. Y.
Elcar Automobile. Elkhart Carriage & Motor Car Co., Elkhart, Ind.
El Chafo Chafing Dishes. Edison Electric Appliance Co., Inc. (Hotpoint Div.) Chicago.
El Cid Flax Packing. McMaster-Carr Supply Co., Chicago.
Elco Garment Hangers. West Electric Hair Curler Co., Philadelphia.
Elco Motor Boats, Launches and Yachts. Elco Co., Bayonne, N. J.
El Comfo Electric Heating Pads. Edison Electric Appliance Co., Inc., (Hotpoint Div.) Chicago.
Elden Lavatories. Crane Co., Chicago.
Eldnac Candle Lanterns. A. C. Kraft, Chicago.
Eldo Metal Products. Ellenwood & Doyle, New York.
Eldorado Castor and Engine Oils. Standard Oil Co. of Ohio, Cleveland, O.
Eldorado Cement Plaster. United States Gypsum Co., Chicago.
Eldorado Drawing Pencils. Jos. Dixon Crucible Co., Jersey City, N. J.
Eldorado Engine Oils. Standard Oil Co. of Ohio, Cleveland.
Eldorado Lavatories. Crane Co., Chicago.
Eldorado Master Drawing Lead Pencil. Joseph Dixon Crucible Co., Jersey City, N. J.
Eldredge Voltmeters. Eldredge Elec. Mfg. Co., Springfield, Mass.
Eldus Road Oilers. Union Iron Works, Hoboken, N. J.
Eleadin Lamps. N. R. Thompson, Toledo, O.
Elecdrive Wrench, Drill, Stud and Screw Driver. Elecdrive Mfg. Co., Inc., Syracuse, N. Y.
Elecho Air Hose. Electric Hose & Rubber Co., Wilmington, Del.
Electin Tin. Andes Exploration & Smelting Corp., New York.
Electra Arc Light Carbons. Reisinger Hugo, New York.
Electra Automobile Horns. Automobile Sup. Mfg. Co., Brooklyn.
Electra High-Friction Brake and Clutch Facing. F. L. Horton Mfg. Co., Boston, Mass.
Electra Lightning Rods, Fixtures and Ornaments. Electra Lightning Rod Co., Chicago.
Electra Weld Wire Wheel Brushes. The Herold Bros. Co., Cleveland.
Electr-Bake Ovens. City Cornice Co., Oakland, Cal.
Electric Air, Brewers, Chemical, Divers, Garden, Gasoline, Water, Oil, Paint, Steam, Vacuum and Water Hose. Electric Hose & Rubber Co., Wilmington, Del.
Electric-Air Rock Drills, Stone Channelers and Coal Cutters. Ingersoll-Rand Co., New York.
Electric Barrel Head Planers. United States Bottlers' Machy. Co., Chicago.
Electric Belt Dressing. Buffalo Specialty Co., Buffalo, N. Y. Akron Belting Co., Akron, O.
Electric Belting. Chas. A. Schieren & Co., New York.
Electric Blast Forges. Champion Blower & Forge Co., Lancaster, Pa.
Electric Brand Lumber. Ferry-Baker Lumber Co., Everett, Wash.
Electric City Gutter Forming Machinery. Double Truss Cornice Brake Co., Buffalo, N. Y.
Electric Clothes Washing Machines. Richmond Cedar Wks., Fulton, Va.
Electric Door Hangers. Lawrence Bros., Sterling, Ill.
Electric Fire Extinguishers. M. L. Snyder & Son, Philadelphia.
Electric Furnace Fire Brick. Chicago Fire Brick Co., Chicago.
Electric High Speed Steel. The Lindenberg Steel Co., New York.
Electric Hose. Electric Hose & Rubber Co., Wilmington, Del.
Electric Hose, Sheet Packing and Belting. United & Globe Rubber Co., Trenton, N. J.
Electric Junior Spot Welders. Electric Welder Co., Warren, O.
Electric Lacquer. John C. Dolph Co., Newark, N. J.
Electric Lawn Mowers. Whitman & Barnes Mfg. Co., Akron, O.
Electric Leather Belting. Slate's Sons, Geo., Williamsport, Pa.
Electric Leather Rolling Mats. W. H. Salisbury & Co., Chicago.
Electric Log Carts and Wagons. Electric Wheel Co., Quincy, Ill.
Electric Maple Flooring. Cobbs & Mitchell, Cadillac, Mich.
Electric Metal Wheels and Industrial Trailers. Electric Wheel Co., Quincy, Ind.
Electric Paint Compound. Durkee-Atwood Co., Minneapolis, Minn.
Electric Rotary Machine Floor Polish, Scrubbing, Surfacing, Stone & Wood Polishing, Carpet Cleaning and Sand Papering Machines. Elec. Rotary Machine Co., Chicago.
Electric Rubber Mats. W. H. Salisbury & Co., Inc., Chicago.
Electric Screw Cutting Dies and Taps. Champion Blower & Forge Co., Lancaster, Pa.
Electric Sharpening Hammers. Champion Tool Co., Meadville, Pa.
Electric Steam Boilers. Bovaird & Seyfang Mfg. Co., Bradford, Pa.
Electric Steel Castings. Treadwell Engineering Co., Easton, Pa.
Electric Steel Wheels. Electric Wheel Co., Quincy, Ill.
Electric-Swell-Weld Chains. McKinnon Chain Co., St. Catherines, Ont.
Electric Tubular Boilers. Bovaird & Seyfang Mfg. Co., Bradford, Pa.
Electric Weld Railings and Gates. Anchor Post Iron Wks., New York.
Electric Weld Tanks, Containers, etc. The John Wood Mfg. Co., Conshohocken, Pa.
Electrite Uranium Steel. Latrobe Electric Steel Co., Latrobe, Pa.
Electris Resistance Wire. Alloy Metal Wire Co., New York.
Electrite High Speed Steel. Latrobe Electric Steel Co., Latrobe, Pa.
Electro Carbon Tool Steel. The Lindenberg Steel Co., New York.
Electro Nickel Steel. Electro Steel Co., Inc., Pittsburgh.
Electrobestos Insulating Compounds, Socket, Bushings & Moulded Insulations. Johns-Manville, Inc., New York.
Electrocotn Soap. Gartside's Iron Rust Soap Co., Philadelphia.
Electroduct Flexible Interior Conducts. American Circular Loom Co., New York.
Electroduct Steel Conduits American Circular Loom Co., New York.
Electrogas Floor Heaters. Kauffman-Norton Co., San Francisco.
Electrogrip Lamp Cord Adjusters. Yost Electric Mfg. Co., Toledo, O.
Electrohume Cigar Humidifiers and Air Moisteners. Emmons Collins Machine Co., Western Springs, Ill.
Electrola Pump. Otto Higel Co., New York.
Electrolet Conduit Fittings. Killark Electric Mfg. Co., St. Louis, Mo.
Electrolon Grinding Wheels; Rubbing Bricks. Abrasive Co., Philadelphia, Pa.
Electrolon Rubbing Bricks. Abrasive Co., Philadelphia, Pa.

Electro-Magnetic Tapping Machines. W. Gaterman Mfg. Co., Manitowoc, Wis.
Electromatic Garage Door Openers. Allith-Prouty Co., Danville, Ill.
Electromet Ferro-Alloys and Metals. Electro Metallurgical Sales Corp., New York.
Electrometer Clocks. Tempire Clock Co., St. Louis, Mo.
Electrophits Medical Batteries. Knapp Elec. & Novelty Co., New York.
Electrophone Signalling Devices. Heath Engineering Laboratories, San Francisco.
Electros Stain Insulators, Insulator Pins, Insulated Suspension Bolts. Electros Mfg. Co., Brooklyn, N. Y.
Electrose Insulators. Electrose Mfg. Co., Brooklyn, N. Y.
Electro-Shine Metal Polish. R. M. Hollingshead Co., Camden, N. J.
Electro-Silicon Polish. Electro-Silicon Co., New York.
Electrovox Radio Parts. Magnavox Co., Oakland, Cal.
Elecweld Welding Rods. Steel Sales Corp., Chicago.
Elegia Lavatories. Crane Co., Chicago.
Elektra Asbestos Brake Lining. F. L. Horton Corp., Boston.
Elektrik Klok Marine Clocks. Betts & Betts Corp., New York.
Elephant Belting. Mechanical Rubber Co., Cleveland, O.
Elephant Brand Phosphor Bronze Bushings, Sheet Wire and Alloys. Phosphor Bronze Smelting Co., Philadelphia.
Elephant Brand Red Rosin-Sized Sheating Paper. Newton Paper Co., Holyoke, Mass.
Elephant Carbon Black. L. Martin Co., New York.
Elephant Hay Carriers. Hunt, Helm, Ferris & Co., Harvard, Ill.
Elephant Manganese and Phosphor Bronze. Phosphor-Bronze Smelting Co., Ltd., Philadelphia, Pa.
Elephant Manila Duplex Wrapping Paper. Newton Paper Co., Holyoke, Mass.
Elephant Padlocks. The Miller Lock Co., Philadelphia, Pa.
Elephant Spray Hose. U. S. Rubber Co., New York.
Elesco Condenser Coils, Heater Coils, Superheaters. The Superheater Co., New York.
Elesco Pipe Coils and Steam Superheaters. Superheaters Co., New York.
Elevator Potatoe Diggers. Farquhar A. B. Co., York, Pa.
Elevay Belts. The Diamond Rubber Co., Inc., Akron, O.
1176 Flax Packing. Quaker City Rubber Co., Philadelphia.
11th Hour Stove Linings. Parlor Pride Mfg. Co., North Andover, Mass.
1100 Rubber Pump Valves. Quaker City Rubber Co., Philadelphia.
1101 Rubber Pump Valves. Quaker City Rubber Co., Philadelphia.
Elexit Devices Electric Light Devices. Bryant Electric Co., Bridgeport, Conn.
Elexits Light Fixtures. General Electric Co., Schenectady, N. Y.
Elfreth-Improved Filters. Filtration Systems and Tanks. Philadelphia Water Purification Co., Inc., Philadelphia, Pa.
Elgin Adjustable Wrenches. Richards-Wilcox Mfg. Co., Aurora, Ill. Star Mfg. Co., Carpentersville, Ill.
Elgin Automobiles. Elgin Motor Car Corp., Argo, Ill.
Elgin Butter Cutters. Cleveland Faucet Co., Cleveland.
Elgin Comet Engine. Parcelle Engine Co., Elgin, Ill.
Elgin Countershafts. Elgin Tool Works, Elgin, Ill.
Elgin Gas Ovens. Kimball-Dietrich Hardware Co., Elgin, Ill.
Elgin Gas Stoves and Bake Ovens. Elgin Stove & Oven Co., Elgin, Ill.
Elgin Milk and Cream Cans. Creamery Package Mfg. Co., Chicago.
Elgin Motor Sweepers. Elgin Street Sweeper Co., Elgin, Ill.
Elgin National Coffee Mills. Woodruff & Edwards Co., Elgin, Ill.
Elgin Needle or Shower Baths. Elgin Brass Co., New York.
Elgin Precision Lathe. Elgin Tool Works, Inc., Elgin, Ill.
Elgin Six Motor Cars. Elgin Motor Car Corp., Chicago.
Elgin Wrenches. Star Mfg. Co., Carpentersville, Ill. **Climax Specialty** Co., Seneca Falls, N. Y.
Elhar High Speed Steel, Steel Merc. Agents, etc. Ellsworth Haring, New York.
Eli Ball Bearing Grindstones. Richards-Wilcox Mfg. Co., Aurora, Ill.
Eli Baling Presses. Collins Plow Co., Quincy, Ill.
Eli Farm Wagons. Columbia Wagon Co., Columbia, Pa.
Eli Hay Presses. Collins Plow Co., Quincy, Ill.
Eli Rat Traps. Abingdon Trap Co., Abingdon, Ill.
Elie Dusters. Ohio Duster Co., Cleveland.
Eliptical Flue Scrapers. Pilley Packing & Flue Brush Mfg. Co., St. Louis, Mo.
Elisco Cold Rolled Steel Tubing. Elyria Iron & Steel Co., Cleveland.
Elisco Steel. The Elyria Iron & Steel Co., Cleveland, O.
E-Lite All Glass Lighting Fixtures. The Brascolite Company, Division of St. Louis Brass Mfg. Co., St. Louis, Mo.
Elite Ammeters and Voltmeters. Manhattan Electrical Supply Co., New York.
Elite Batteries and Electrical Instruments. **Elite Electric Co.,** Cleveland, O.
Elite Carpet Sweepers. Bissell Carpet Sweeper Co., Grand Rapids, Mich.
Elite Chemical Mops and Dustless Dust Cloths. Ohio Duster Co., Cleveland.
Elite Corn Brooms. Universal Broom Co., Dept. H, Chattanooga, Tenn.
Elite Corn Forks. Specialty Mfg. Co., Westboro, Mass.
Elite Fishing Tackle. Am. Fork & Hoe Co., Cleveland.
Elite Kitchen Knives. W. G. Browne Mfg. Co., Kington, N. Y.
Elite Lighting Fixtures. Brascolite Co., St. Louis.
Elite Shoe Blacking and Polishes. Whittemore Bros. Corp., Cambridge, Mass.
Elite Tool Chests. American Mfg. Concern, Falconer, N. Y.
Elite Vacuum Cleaners and Vacuum Carpet Sweepers. Elite Mfg. Co., Chicago.
Elixir Thinning Oil. The Glidden Company, Cleveland, O.
Elk Hose Racks, Hose Sprinklers, Spray Nozzles, Swinging Hose Reels. Elkhart Brass Mfg. Co., Elkhart, Ind.
Elk Hose. Gustin-Bacon Mfg. Co., Kansas City, Mo.
Elk Hose; Valves. The Diamond Rubber Co., Inc., Akron, O.
Elk Incandescent Electric Lamps. Novelty Incandescent Lamp Co., Emporium, Pa.
Elk Shut-Off Nozzles, Hose Expanders, Fire Extinguishers, Etc. Elkhart Brass Mfg. Co., Elkhart, Ind.
Elk Typewriter Ribbons. Miller-Bryant-Pierce Co., Aurora, Ill.
Elkhart Catch Basins and Shaking Grates. Elkhart Iron Works, Elkhart, Ind.
Elkhart Gas Igniters. Elkhart Mfg. Co., Monroe, Mich.
Elkhart Spray Nozzles and Hose Reels. Elkhart Brass Mfg. Co., Elkhart, Ind.
Elkhead Fire and Mill Hose. Fabric Fire Hose Co., New York.
Elkhorn, Ky., Gas Coal. The Matthew Addy Co., Cincinnati, O.
Elkins Saw Filers. A. J. Wilkinson & Co., Boston.
Elkonite Hand-paste Soap and Cleanser. Elkonite Soap Co., Oakland, Cal.
Ella Foundry Pig Iron. Edmund W. Mudge & Co., Pittsburgh.
Ella Malleable Pig Iron. Edmund W. Mudge & Co., Pittsburgh.
Ellcon Car Specialties. The Ellcon Company, New York.
Ellington Battery Charger. **Ellington Electric Co.,** Battle Creek, Mich.
Ellington Motors. **Ellington Electric Co.,** Battle Creek, Mich.
Elliott-Ehrhart Condensers. Elliott Company, Pittsburgh, Pa.
Elliott-Fisher Bookkeeping Machines. Elliott-Fisher Co., Harrisburg, Pa.
Elliott Gas Engines, Portable Sawing Rigs, Pumping Engines, Pumping Jacks. Kansas City Pump Co., Kansas City, Mo.
Elliott Low Water Alarms, Pressure Reducing Valves, Steam Traps. Elliott Co., Pittsburgh.
Elliott Mechanical Stokers. Ridgway Mfg. Co., Ridgway, Pa.
Elliott Patent Lace Leather Cutter. Mfgrs. Belt Hook Co., Chicago.
Elliott Photometer Lamps. American Meter Co., Philadelphia.
Elliott Railway Gates. Pneumatic Gate Co., Chicago.
Elliott Screw Drivers. **The Washburn Company, Chicago (Cassady-Fairbank) Division,** Chicago.
Elliott System of Flange Oilers, etc. Ohio Injector Co., Chicago.
Elliott's Saw Gummer. Elliott Machine Co., Calais, Me.
Elliptic Brass Traps. Ohio Brass & Iron Mfg. Co., Cleveland, O.
Elliptic Grate Bars. Thomas Grate Bar Co., Birmingham, Ala.
Elliptical Flue Cleaners. **Advance Packing & Supply Co.,** Chicago.
Ellis Adjustable Wrenches. Offset Handle Wrench Co., Chicago.
Ellis Car Bumping Posts. Mechanical Mfg. Co., Chicago.
Ellis Economy Mop Wringers. Smith System Heating Co., Minneapolis, Minn.
Ellis Patent Bumping Posts. The Mechanical Mfg. Co., Chicago.
Ellis-Smith Jack. The Ellis-Smith Mfg. Co., Inc., Buffalo, N. Y.
Ellis Tack Claws and Pullers and Ventilating Sash Locks. Bradley & Farnham, Middlefield, Conn.
Ellis Time Stamps. Ellis Time Stamp Co., Chicago.
Ellis Tool Holders. Union Tool Co., Orange, Mass.
Ellison Calorimeters and Draft Gauges. Lewis M. Ellison, Chicago.
Ellison Draft Gauges. Lewis M. Ellison, Chicago.
Ellwood Barbed Wire; Wolf Proof Fencing; Woven Wire Fencing. American Steel & Wire Co., Chicago.
Ellwood Woven Wire Fences. American Steel & Wire Co., Chicago.
Elm City Babbitt Metal. **United Smelting & Aluminum Co., Inc.,** New Haven, Conn.
Elm City Bolt Clippers. Wm. Schollhorn Co., New Haven, Conn.
Elm City Counters. The Root Company, Bristol, Conn.
Elm City Counting Machines and Revolution Counters. Chas. J. Root, Bristol, Conn.
Elm City Padlocks. Sargent & Co., New Haven, Conn.
Elm City Stump Joints. C. Cowles & Co., New Haven, Conn.
Elm Garden Hose. Goodyear Tire & Rubber Co., Inc., Akron, O.
Elm Park Lawn Mowers. Worcester Lawn Mower Co., Worcester, Mass.
Elm Siphon Tank Valves. F. W Webb Mfg. Co., Boston, Mass.
Elmco Concrete Mixers. E. F. Elmberg Co., Inc., Parkersburg, Ia.
Elmco Pearlite Engine Pistons. Electric Machine Corp., Indianapolis.
Elmira Garden Rakes, Screw Drivers, Pruning Saw and Hooks. Cronk & Carrier Mfg. Co., Elmira, N. Y.
Elmo Automatic Float Valves. Phelps Bros. Co., New York.
El Monte Packing. McMaster-Carr Supply Co., Chicago.
Elmore Coal Jigs. G. H. Elmore, Engineering, Philadelphia, Pa.
Elmore Ship Water Closets. Thos. Laughlin Co., Portland, Me.
Elmwood Belting, Rubber Hose, Sheet Packing. Boston Belting Corp., Boston.
Elmwood Hose, Matting and Packing. Hewitt Rubber Co., Buffalo.
Elpeco Switches, Switchboards and Fittings. Electric Power Equipment Corp., Philadelphia, Pa.
El Perco Coffee Percolators. Edison Electric Appliance Co., Inc., (Hotpoint Division), Chicago.
El-Rey Rubber Belt and Hose. W. H. Salisbury & Co., Inc., Chicago.
Elreco Combination Railway and Lighting Poles. **The Electric Railway Equipment Co.,** Cincinnati, O.
Elsane Glass Desk Pads, Work Distributors, Etc. **Sainberg & Co., Inc.,** New York.
Elsinore Typewriter Paper. Elsinor Paper Co., New York.
Elsmere Granitine Laundry Tubs. Standard Elsmere Granite Co., Chicago.
Elsmere Lavatories. Crane Co., Chicago.
Elson Lumber Crayons. Walter A. Zelnicker Supply Co., St. Louis.
Elston Hi-Power Storage Batteries. **Marion-Elston Battery Co., The,** Marion, Ind.
Elston Stove Pipe Enamels. Jas. B. Day & Co., Chicago; Chicago Wood Finishing Co., Chicago.
Elswick Detail Paper. H. Reeve Angel & Co., Inc., New York.
Elton Drinking Fountains. A. W. Wheaton Brass Wks., Newark, N. J.
El Toasto Toasters. Edison Electric Appliance Co., Inc., (Hotpoint Division), Chicago.
El Toro Leather Belting. Baltimore Belting Co., Baltimore, Md.
El Toro Portland Cement. Southwest Portland Cement Co., El Paso, Texas, and Victorville, Calif.
El Toro Sheet Packing. Consolidated Packing & Supply Co., New York.
Elvarco Paints, etc. Elliott Varnish Co., Chicago.
Elvin Locomotive Stokers. Elvin Mechanical Stoker Co., New York.
El Warmo Electric Foot Warmers. Hotpoint Electric Heating Co., Los Angeles.
Elwell-Parker "Hi Lo" Tractors. The Elwell-Parker Electric Co., Cleveland, O.
Elwell-Parker Self Loading Trucks. The Elwell-Parker Electric Co., Cleveland, O.
Elwell's Liquid Glue. B. F. Elwell Glue Co., Rockport, Mass
El-wel-tra Trace Chains. American Chain Co., Inc., Bridgeport, Conn.
Elwood Brick Press Machines. Chicago Brick Machinery Co., Chgo.
Elwood Gravi-Meters; Oili-Meter. Elwood Gravity Gauge Co., Elwood, Ind.
Elwood Wire Stretchers. Arcade Mfg. Co., Freeport, Ill.; Hunt, Helm, Ferris & Co., Harvard, Ill.
Ely Pattern Hay Knives. Iwan Bros., S. Bend, Ind.
Elyria Tie Plates. Elyria Iron & Steel Co., Elyria, O.
Emancipator Feed Carriers. Louden Machinery Co., Fairfield, Ia.
Emblem Lubricators. The Lunkenheimer Co., Cincinnati, O.
Embostex Face Brick. Streator Brick Co., Streator, Ill.
Embro Embroidery Hoops. Embro Mfg. Co., Canton, Ohio.
Emco Automobile Oils and Gasoline. Emery Mfg. Co., Bradford, Pa.
Emco Belting. Empire Mfg. Co., Lockport, N. Y.
Emco Flags. Emerson Mfg. Co., San Francisco.
Emco Friction Tape. Electrical Material Co., Chicago.
Emco Gas Regulators. Equitable Meter Co., Pittsburgh, Pa.
Emco Meters. Equitable Meter Co., Pittsburgh.
Emco Onion Skin Paper. Esleeck Mfg. Co., Turners Falls, Mass.
Emeco Expanded Metal. Expanded Metal Engineering Co., New York.
Emelansic White Bronze. Lissberger, Mark's & Son, Long Island City, New York.

Emerald Boiler Oil. Standard Oil Co., San Francisco.
Emerald Disc Wheel Cement. Gardner Machine Co., Beloit, Wis.
Emerald Lubricating Oils. Cudahy Refining Co., Chicago.
Emeralite Electric Desk Lights. H. G. McFaddin & Co., New York.
Emergency Fire Hose Couplings. Nunn Brass Wks., Rochester, N. Y.
Emergency Flax Packing. W. D. Allen Mfg. Co., Chicago.
Emergency High Pressure Steam Traps. Wright-Austin Co., Detroit.
Emergency Mud Hooks. Gemco Mfg. Co., Milwaukee.
Emergency Pocket Telescope Handle Screw Driver. Dickman Mfg. Co., Norwalk, Conn.
Emergency Steam Traps. Wright-Austin Co., Detroit, Mich.
Emerick Cement Grinding and Crushing Mills. United Iron Works Co., Kansas City, Mo.
Emerson Automatic Lubricators. Buffalo Metal Goods Co., Buffalo.
Emerson Beating Engines and Ironing Tables. Modern Mfg. Co., Hagerstown, Md.
Emerson Calorimeters. Elmer & Amend, New York.
Emerson Dry Kiln. The Emerson Dry Kiln Co., New York.
Emerson Electric Fans and Motors. Emerson Elect. Mfg. Co., St. Louis, Mo.
Emerson "Four" Automobile. Emerson Motors Co., New York.
Emerson Fuel Calorimeters, Conditioning Ovens, Etc. Emerson Apparatus Co., Melrose, Mass.
Emerson Hay Loaders. Hocking Valley Mfg. Co., Lancaster, O.
Emerson Jordan and Beating Engines. Emerson Mfg. Co., Lawrence, Mass.
Emerson Kicker Wild Oat Separators and Dockage Testers. Emerson Mfg. Co., Minneapolis, Minn.
Emerson Plowshares. Emerson-Brantingham Co., Rockford, Ill.
Emerson Rail Benders. Crerar-Adams & Co., Inc., Chicago.
Emerson Steam Pumps, Foot Valves, Quick-Cleaning Strainers. The Emerson Pump & Valve Co., Inc., Alexandria, Va.
Emerson Steam Vacuum Pumps and Quick Cleaning Foot Valve. Emerson Pump & Valve Co., Alexandria, Va.
Emerson's Draughting Tables. Henry M. Taws, Philadelphia.
Emery Brake Cylinder Lubricant. Gustin-Bacon Mfg. Co., Kansas City, Mo.
Emery Electric Car Sliding Door Curtains. Railway Curtain Co., Chicago.
Emery Thompson Brine Freezers. Emery Thompson, New York.
Emery Tripods. Fairmont Electric & Mfg. Co., Philadelphia, Pa.
Em Ess Tucker Grease Traps. Meyer-Sniffen Co., New York.
Emil Passburg Vacuum Drying, Impregnating Apparatus. J. P. Devine Co., Buffalo, N. Y.
Emmert Vises and T-Squares. Emmert Mfg. Co., Waynesboro, Pa.
Emory Brand Cattle Ties. J. E. Fricke Co., Philadelphia.
Emperger Concrete Reinforced Materials. Concrete Steel Engineering Co., New York.
Emperor Belting Hose. Revere Rubber Co., Boston, Mass.
Emperor Water Closets. Jas. Barrett Mfg. Co., Boston.
Emperor Windmills. Perkins Windmill Co., Mishawaka, Ind.
Empire Alarm Clocks. W. L. Gilbert Clock Co., Winsted, Conn.
Empire Automatic Counters. Am. Pedometer Co., New Haven, Conn.
Empire Automobile Oil, Etc. Empire Oil Works, Oil City, Pa.
Empire Axes. Rubinow Edge Tool Works, Newark, N. J.
Empire-Baltic Cream Separators. Empire Cream Separator Co., Bloomfield, N. J.
Empire Bath Tubs. Sanitas Mfg. Co., Boston.
Empire Best Fire and Steam Hose. Empire Tire & Rubber Corp., Trenton, N. J.
Empire Bolts and Nuts. Russell, Birdsall & Ward Bolt Nut Co., Port Chester, N. Y.
Empire Bran Dusters. Richmond Mfg. Co., Lockport, N. Y.
Empire Candelabra Lamps. H. W. McCandless & Co., New York.
Empire Carriage Axles. Sheldon Axle & Spring Co., Wilkes-Barre, Pa.
Empire Cast Iron Griddles and Fry Pans. New York Stamping Co., Brooklyn, N. Y.
Empire Celery Hillers, Harrows and Pulverizers. Empire Plow Co., Cleveland.
Empire Cement Wall Plaster. Empire Gypsum Co., Rochester, N. Y.
Empire Chronometer Valves. Kelly & Jones Co., Greensburg, Pa.
Empire Conduit Wiring Rods. Diamond Expansion Bolt Co., New York.
Empire Cotton Belting. Empire Mfg. Co., Lockport, N. Y.
Empire Cream Separators and Gas Engines. Empire Cream Separator Co., Bloomfield, N. J.
Empire Dropper Attachments. Seiberling & Miller Co., Doylestown, O.
Empire Duct Rods. Standard Underground Cable Co., Pittsburgh.
Empire Fence. Bond Steel Post Co., Adrian, Mich.
Empire Flint, Sand and Emery Paper. Herman Behr & Co., Brooklyn, N. Y.
Empire Force Pumps. Goulds Mfg. Co., Seneca Falls, N. Y.
Empire Friction Belting. Empire Tire & Rub. Corp., Trenton, N. J.
Empire Friction Clutch. Thomas Coupling Co., Troy, Pa.
Empire Gang Press Wheel Attachments. Am. Seeding Machine Co., Springfield, O.
Empire Gas and Gasoline Engines. Wallace Engng. Co., New York.
Empire Glaziers Points. H. W. Maze Co., Peru, Ind.
Empire Gold Dredges, Hand Prospecting Drills, Hydraulic Gravel Elevators. New York Engng. Co., New York.
Empire Gravity-Locking Blind Hinges. Wrightsville Hardware Co., Wrightsville, Pa.
Empire Grindstones. Cleveland Stone Co., Cleveland, O.
Empire Hard Wall Plaster. Pacific Portland Cement Co., San Francisco.
Empire Harness Snaps. Frazer & Jones Co., Syracuse, N. Y.
Empire Harrows. Gales Mfg. Co., Albion, Mich.
Empire Hinges, Pulleys, Wrightsville Hardware Co., Wrightsville, Pa.
Empire Hoists, Drills, Grinders, Motors, Winches, Wood Boring Machines. Empire Engine & Motor Co., Orangeburg, N. Y.
Empire Hot Air Furnaces. Co-operative Fdry. Co., Rochester, N. Y.
Empire Hydrants. American Foundry & Machine Co., St. Louis, Mo
Empire Incandescent Miniature Lamps. H. W. McCandless & Co., New York.
Empire Insulating Cloth and Paper. Mica Insulator Co., New York.
Empire Jr. Seeding Machines. International Harvester Company of America, Inc., Chicago.
Empire King Spray Pumps. Field Force Pump Co., Elmira, N. Y.
Empire Lace Cutters. Greene, Tweed & Co., New York.
Empire Lamp Glass Chimneys. Macbeth-Evans Glass Co., Pittsburgh.
Empire Leader Spray Pumps. Field Force Pump Co., Elmira, N. Y.
Empire Leather Belting. Norwich Belt Mfg. Co., Norwich, Conn.
Empire Life Saving Nets. S. F. Hayward & Co., New York.
Empire Loose Leaf Binders. C. R. & W. A. Nelson, Inc., Chicago.
Empire Lubricant. Richardson Lubricating Co., Quincy, Ill.
Empire Lbricating Oils and Greases. A. W. Harris and Co., New York.
Empire Milker. Empire Cream Separator Co., Bloomfield, N. J.
Empire Motor Cars. Empire Automobile Co., Indianapolis, Ind.
Empire Oils and Greases. Crew Levick Co., Philadelphia, Pa.; Empire Oil & Grease Company, Oil City, Pa.
Empire Pipeless Warm Air Furnaces. Co-Operative Foundry Co., Rochester, N. Y.
Empire Portland Cement. Empire Portland Cement Co., Warner, N. Y.
Empire Pressure Regulating and Chromometic Valves. Kelly & Jones Co., The, Greensburg, Pa.
Empire Prospecting Drills; Water Tube Marine Boilers. New York Engineering Co., New York.
Empire Reapers, Ensilage Cutters. Messenger Mfg. Co., Tatamy, Pa.
Empire Reapers. Seiberling & Miller Co., Doylestown, O.
Empire Red Rubber Belting; Water Hose. Empire Tire & Rubber Co., Trenton, N. J.
Empire Refrigerators. L. H. Mace & Co., New York.
Empire Return Tubular Boilers. Ames Iron Wks., New York.
Empire Roofing Slate. Henry H. Mathews, Boston, Mass.
Empire Sash Locks and Door Stops. Caldwell Mfg. Co., Rochester, N. Y.
Empire Seamless Tubing. The Empire Art Metal Co., Inc., College Point, N. Y.
Empire Self-Oiling Pulleys. Wrightsville Hardware Co., Wrightsville, Pa.
Empire Shoe Blacking and Polishes. Frank Miller Co., New York.
Empire Slate Laundry Tubs and Tanks and Vats. New York Slate Works, New York.
Empire Speed Indicators. Greene, Tweed & Co., New York.
Empire State Car Trucks. Taylor Electric Truck Co., Troy, N. Y.
Empire State Ensilage Cutters. Climax Corp., Batavia, N. Y.
Empire State Milk Cans. Oakes & Burger Co., Cattaraugus, N. Y.
Empire State Steel Range. The Drake Mfg. Co., Inc., Friendship, N. Y.
Empire Steam Traps. Am. District Steam Co., Tonawanda, N. Y.
Empire Tire Bolts. Russell, Birdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
Empire Tire Valves. Empire Sales Co., Bridgeport, Conn.
Empire Union Cotton and Leather. Empire Mfg. Co., Lockport, N. Y.
Empire Wall Plaster. Pacific Portland Cement Co., San Francisco.
Empire Warm Air Furnaces. Co-Operative Foundry Co., Rochester, N. Y.
Empire Water Meters. National Meter Co., New York.
Empire Wheel Garden Hoes. Moline Plow Co., Moline, Ill.
Empire Window Casement Fasteners. Corbin Cabinet Lock Co., New Britain, Conn.
Empire Wire Fence and Gates. Bond Steel Post Co., Adrian, Mich.
Empress Alcohol Lamps, Bottle Holders, Brass Trays, Vapor Stoves, Chafing Dishes and Coffee Percolators. New York Stamping Co., Brooklyn, N. Y.
Empress Baths. Crane Co., Chicago, Ill.
Empress Grease Cups, Oil Cups, Spring Shackle Bolts, Valve Grinding Tools, Auto Ash Trays. Bowen Products Corp., Auburn, N. Y.
Empress Walking Listers. Rock Island Plow Co., Rock Island, Ill.
Empress Water Closets. Jas. Barrett Mfg. Co., Boston, Mass.
Emral Leather Belting and Waterproof Cement. Ulmer Leather Co., Norwich, Conn.
Emrich Cloth Cutting Knives, Shears and Scissors, Tanners' and Tinners' Tools. Phil Emrich, 824 Main, Cincinnati, O.
Emsco Brake and Clutch Linings, Belting, Gaskets, Friction and Insulating Tape, Measuring Lines, Packing. Smith Em. Co., Los Angeles, Calif.
Emsco Oil Well Tools. Emsco Steel Products Co., Los Angeles, Calif.
Emu Padlocks. Frain-Slaymaker Hardware Co., Inc., Lancaster, Pa.
Emulos Garden Hose. Quaker City Rubber Co., Philadelphia, Pa.
Emulso Soluble Cutting Oil. Bayerson Oil Works, Erie, Pa.
Enamelac Enamels. Prang Co., Chicago.
Enameled White Inside Tin Bath Tubs. Dover Stamping & Mfg. Co., Cambridge, Mass.
Enamelette Enamels. Goheen Corp. of N. J., Newark, N. J.
Enameline Enamel. Warren Paint & Color Co., Nashville, Tenn.
Enameline Stove Polish. J. L. Prescott Co., New York.
Enameloil Paints and Oil. James B. Sipe & Co., Bridgeville, Pa.
Enamelite Magnet Wire. Acme Wire Co., New Haven, Conn.
Enamo Metal Bath Room Accessories. Hughes Evans Co., New York.
Enamolin Bath Enamels. Emil Calman & Co., New York.
En-ar-co Lubricants and Oils. National Refining Co., Cleveland, O.
Enburo Dry Batteries. Lincoln Electric Co., Cleveland.
Enco Heat Regulators. Engineer Co., New York.
Enco Products. Empire Notion Co., New York.
Enco Radio B Batteries. Enco Electric Nov. Co., New York.
Enco Electrical Apparatus. Enterprise Electric Novelty Co., New York.
Enco Oil Burner. Engineer Company, The, New York.
Enders Safety Razors. Enders Sales Co., New York.
Enderes Tools and Knives. Enderes Incorporated, Albert Lea, Minn.
Endura Sheet Packing. Advance Packing & Supply Co., Chicago; Universal Packing Corp., Pittsburgh, Pa.
Endurance Gas Main Bags. Edw. A. Behringer, New York.
Endurance Metal Bound Mill Brooms. Mass. Commission for the Blind, Cambridge, Mass.
Endurance Metallic Packing. O. C. Keckley Co., Chicago.
Endurance Paints & Varnishes. The Glidden Co., Cleveland, O.
Endurmo Leather Belting. Missouri Belting Co., St. Louis, Mo.
Enduro Non-Corrosive Metal. United Alloy Steel Corp., Canton, Ohio.
Enduro Spark Coils. American Electrical Works, Phillipsdale, R. I.
Enduro Tape. U. S. Rubber Co., New York.
Energine Lubricating Oils and Greases. Energine Refining & Mfg. Co., Cleveland.
Energy Dumb Waiters. Energy Elevator Co., Philadelphia.
Engel Cocks and Bibbs. Milwaukee Brass Mfg. Co., Milwaukee, Wis.
Engel Process Metals. Union Smelting & Refining Trust, Los Angeles.
Englehard Recorders, Crucible and Electric Furnaces, Pyrometers and Resistance Thermometers. Chas. Englehard, Inc., New York.
Engelhardt Life Boats and Rafts. C. M. Lane Life Boat Co., Brooklyn.
Engine Railway Lamps. Handlan-Buck Mfg. Co., St. Louis, Mo.
Engineer's Favorite. Worcester Brush & Scraper Co., Worcester, Mass.
Engineer's Favorite Cleaners, Packing. Chesterton & Co., Boston.
Engineer's Favorite Flue Cleaner. Advance Packing & Supply Co., Chicago.
Engineer's Favorite Flue Scrapers. Newark Brush & Scraper Co., Newark, N. J.; Sherwood Mfg. Co., Buffalo, N. Y.; Pilley Packing & Flue Brush Mfg. Co., St. Louis, Mo.
Engineers' Favorite Tube Cleaners. A. W. Chesterton Co., Boston.
Engle Distillation Furnace (For Non-Ferrous Metals). Robert H. Engle, Trenton, N. J.
Engler Viscosimeter. Eimer & Amend, New York.
Englewood Desks. Englewood Desk Co., Chicago.
English Black Leather Belting. Hadson Belting Co., Worcester, Mass.
English Pig Iron. C. Tennant Sons & Co., New York.
English Shingle Stains. Dexter Bros. Co., Boston.
English Stove Pipe Enamels. Nubian Paint & Varnish Co., Chicago.

English Structural Iron Paint. Tropical Paint & Oil Co., Cleveland, O.
Engravo Stamping Gum. The F. G. Findley Co., Milwaukee, Wis.
Enjabeco Fibre Vegetable Brushes. New Jersey Brush Co., Bloomfield, N. J.
Eno Rubber Products. Eno Rubber Corp., Los Angeles.
Enos Windlasses. Thos. Laughlin Co., Portland, Me.
Enoz Moth Liquid; Kills Moths; Special Moth Liquid; Improved Sprayer; Junior Sprayer; Continuous Sprayer; Baby Fountain Sprayer; Fountain Sprayer. Enoz Chemical Co., Chicago.
Ensign Carburetors. Ensign Carburetor Co., Los Angeles.
Ensign Cotton Hose. Acme Rubber Mfg. Co., Trenton, N. J.
Ensign Electric Calculating Machine. Ensign Co., Boston.
Ensign Lubricants. Ensign Oil Co., San Francisco.
Ensign Sight Feed Lubricators. Wm. Powell Co., Cincinnati, O.
Ensley Pig Iron. Tennessee Coal, Iron & Rail Co., Birmingham, Ala.
Enterprise Canvas Belting. Wm. Entsweiler & Co., Philadelphia, Pa.
Enterprise Car Wheels. Enterprise Foundry & Machine Works, Bristol, Va.-Tenn.
Enterprise Chain Vises, Die Stocks and Valves. D. A. Hinman & Co., Sandwich, Ill.
Enterprise Cherry Stoners, Lawn Sprinklers, Food Choppers, Coffee Mills and Tobacco Counter Cutters. Enterprise Mfg. Co., Philadelphia.
Enterprise Engines. Enterprise Foundry Co., San Francisco, Cal.
Enterprise Fences. Enterprise Iron Works, Indianapolis, Ind.
Enterprise Float Valves. Hayes Pump & Planter Co., Galva, Ill.
Enterprise Hand Carts. Sandwich Mfg .Co., Sandwich, Ill.
Enterprise Packing. Randolph Brandt, New York.
Enterprise Pattern Tap Borers. W. A. Ives Mfg. Co., Wallingford, Conn.
Enterprise Plaster Mixers. J. B. Ehrsam & Sons Mfg. Co., Enterprise, Kan.
Enterprise Pulley Mortiser. Austin & Eddy, Boston, Mass.; Millbury Machine Co., Millbury, Mass.
Enterprise Roller Bearing Chilled Mine Car Wheels. Enterprise Fdry. & Mach. Wks., Bristol, Tenn.
Enterprise Rural Mail Boxes. John H. Forney, Burlington, Ia.
Enticer Rat Traps. Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Eocene Kerosene Oil. Standard Oil Co., San Francisco.
Eoleum Flooring. Special Service Flooring Corp., New York.
Epicassit Metal Coating. American Solder & Flux Co., Philadelphia.
Epsilon Colored Cotton Waste. Massasoit Mfg. Co., Fall River, Mass.
Epulso Water Closets. M. L. Kline Co., Portland, Ore.
Epure Roofing Cements. Trinidad Asphalt Mfg. Co., St. Louis.
Epure Varnishes and Japans. Trinidad Asphalt Mfg. Co., St. Louis, Mo.
Equal Blow Band Saw Filing Machinery, Band Saw Setting Machinery. New Britain Machine Co., New Britain, Conn.
Equalite Lighting Fixtures. Bayley & Son, Brooklyn, N. Y.
Equality Belting; Hose and Packing. Acme Rubber Mfg. Co., Trenton, N. J.
Equality Rubber Sheet Packing. Acme Rubber Mfg. Co., Trenton, N. J.
Equapole Oils and Greases. White Star Refining Co., Detroit, Mich.
Equator Fire Hose. O. C. Keckley Co., Chicago.
Equator Valves. The Diamond Rubber Co., Inc., Akron, O.
Equinox Slate Surfaced Asphalt Shingles and Roll Roofing. The Diem & Wing Paper Co., Cincinnati, O.
Equipoise Desk Telephone Brackets. Hunt C. Howard Pen Co., Camden, N. J.
Equipoise Telephone Arms. The Holtzer-Cabot Electric Co., Roxbury, Boston, Mass.
Equipto Cabinets, Tool Boxes, Bench Drawers, Desks and Lockers. Aurora Equipment Co., Aurora, Ill.
Equitable Asphalt Mixers. Equitable Asphalt Maintenance Co., Kansas City, Mo.
Equitable Fuel Burners. Equitable Meter Co., Pittsburgh, Pa.
Equitable Gas Meters. Equitable Meter Co., Pittsburgh.
Equity Stoves and Ranges. The Portsmouth Stove & Range Co., Portsmouth, O.
Erac Tie Plate. Empire Railway Appliance Corporation, New York.
Eradicrust, Steel and Iron Paint. The Hardy Paint & Varnish Co., Toledo, O.
Eradium Electrical Devices. Pioneer Corp., Chicago.
Eradium Luminous Pull Chain Bulbs. Pioneer Corp., Chicago.
Erbco Brass Pipe Fittings, Flushing Valves, Etc. Edro Richardson Brass Co., Baltimore, Md.
Erckenbrechers Laundry Starch. Corn Products Refin. Co., New York.
Ereco Overhead Line Material. W. R. Garton Co., Chicago.
Erector Toy Metal Building Materials. A. C. Gilbert Co., New Haven, Conn.
Ereful Automatic Whistles. Wilcox, Crittenden & Co., Inc., Middletown, Conn.
Erichson Testing Machines. Holz & Co., Inc., New York; Herman A. Holz, New York.
Erickson Conduit Couplings. Thomas & Betts Co., New York.
Erico Rail Bonds, Electric Rail Bonding Apparatus and Arc Welding Outfits. Electric Railway Improvement Co., Cleveland, O.
Ericsson's Venetian Blinds. Swedish Venetian Blind Co., New York.
Erie Asphalt Mixers, etc. Erie Machine Shops, Erie, Pa.
Erie Belting. Mau-Sherwood Supply Co., Cleveland.
Erie Brand Mops, Mop Sticks and Mop Wringers. Erie Mop & Wringer Co., East Rochester, N. Y.
Erie Cooking Stoves. Odin Stove Mfg. Co., Erie, Pa.
Erie City Vertical Water-Tube Boilers. Erie City Iron Works, Erie, Pa.
Erie Die Castings. Erie Bronze Company, Erie, Pa.
Erie Door Hangers. Richard-Wilcox Mfg. Co., Aurora, Ill.
Erie Drop Hammers. Erie Foundry Co., Erie, Pa.
Erie Electric Traveling Cranes. A. D. Granger Co., New York.
Erie Foundry Chaplets. S. Cheney & Son, Manlius, N. Y.
Erie Gas Radiators. Erie Stove & Mfg. Co., Erie, Pa.
Erie Heel Cam Cutting Machines. Erie Toe Calk Mach. Co., Erie, Pa.
Erie House Paints. Tropical Paint & Oil Co., Cleveland, O.
Erie Leather Belting. Mau-Sherwood Supply Co., Cleveland, O.
Erie Lubricators. Detroit Shipbuilding Co., Detroit, Mich.
Erie Lubricators, Pipe Hangers, Valve and Service Boxes. Jarecki Mfg. Co., Erie, Pa.
Erie Mop Wringer. Erie Mop & Wringer Co., Rochester, N. Y.
Erie Oil and Grease Cups. Detroit Shipbuilding Co., Detroit, Mich.
Erie Presses and Stokers. Erie Foundry Co., Erie, Pa.
Erie Pumps and Engines—Separate and Connected Types. Erie Pump & Engine Works, Erie, Pa.
Erie Rat Traps. Lovell Mfg. Co., Erie, Pa.
Erie Reels. Erie Hoist Co., Erie, Pa.
Erie Refrigerators. Niagara Refrigerator Works, Buffalo, N. Y.
Erie Revolving Steam Shovels. Erie Steam Shovel Co., Erie, Pa.
Erie Steam Hammers. Erie Foundry Co., Erie, Pa.
Erie Tandem Steam Rollers. Erie Machine Shops, Erie, Pa.
Erie Valves. The Diamond Rubber Co., Inc., Akron, O.
Erie Water Filters. Everson Filter Co., Chicago.
Eriez Gas Ranges. Eriez Stove & Mfg. Co., Erie, Pa.
Erinmaid Ranges. Malleable Iron Range Co., Beaver Dam, Wis.
Ermold Bottle Corking Machines. Edw. Ermold Co., New York.
Ermold Bottle Labeling Machines. United States Bottlers' Machine Co., Chicago.
Ernsalin Enamels. Ernecke & Salmstein Co., Chicago.
Ersted Bag Turning Machines. Ersted Machy. Mfg. Co., Portland, Ore.
Ersted Hyster Tractor Hoists. Portland, Ore.
Ernst Automobile Turntables and Ash Can Conveyors. C. K. Ernst, Buffalo, N. Y.
Ernst Perfection Sidewalk Elevators. C. K. Ernst, Buffalo, N. Y.
Erp Auto Tire Holders. Sedgwick Sales Co., New York.
Ertel Hand Power Paper Baler. Geo. Ertel Co., Quincy, Ill.
Erusticator Rust Remover. Sterling Products Co., Easton, Pa.
Erusto Laundry Salts. Sterling Products Co., Easton, Pa.
Erwin Fire Extinguishers. M. H. Treadwell Co. of Ill., Chicago.
Eschweilers Patent Casement Window Hinges. Stanley Works, New Britain, Conn.
Esco Babbitt Metals. Elec. Smelting & Aluminum Co., Lockport, N. Y.
Esco Brand Sheep Leather. Schoellkof & Co., Inc., Buffalo, N. Y.
Esco Circuit Batteries. Thomas A. Edison, Inc., Orange, N. J.
Esco Compression Cocks. E. Stebbins Mfg. Co., Springfield, Mass.
Esco Electrical Steel Castings. Everett Steel Co., Everett, Wash.
Esco Enamels. Edw. Smith & Co., Long Island City, N. Y.
Escolite Mineral Cleaner. The Cowles Detergent Co., Lockport, N. Y.
Esco Mineral Cleaner. The Cowles Detergent Co., Lockport, N. Y.
Esco Motor Locks. The Esco Motor Lock Co., Cleveland, O.
Esco Office Cushions, Automobile Cushions, Radiator Covers, Tire Covers. Economy Seat Co., Chicago.
Esco Paste. Ernecke & Salmstein Co., Chicago.
Esco Receivers and Amplifiers. Electrical Specialty Co., Columbus, O.
Esco Waterproofing Materials. Preservative Products Co., New York.
Esda, Hot Water Heater. Esda Mfg. Co., New York.
Esfco Products Iron and Steel Products. S. F. Steel Products Co., San Francisco.
Eskimo Ice and Refrigerating Machines. Armstrong Machinery Co., Spokane, Wash.
Eskimo Water Coolers. Everson Filter Co., Chicago.
Esleeck Thin Paper. Esleeck Mfg. Co., Turners Falls, Mass.
Esler Two-Way Attachment Plugs. Esler Electric Mfg. Co., Marion, Ind.
Esmond Bicycle Stands. New York Nickel Plating & Mfg. Co., New York.
Esopus Buhr Stones. J. J. Hasbrouck & Co., New Paltz, N. Y.
Espco Baskets. Eastern States Package Co., Inc., Buffalo, N. Y.
Essco Stop and Go Signals. Essco Mfg. Co., Peoria, Ill.
Essentialite Glass for Arc Welding Helmets. Chicago Eye Shield Co., Chicago.
Ess-Ess Revolving Chucks. Scott & Sons Co., Medford, Mass.
Essex Automobile Builders. Essex Motors, Detroit, Mich.
Essex Belting. Combination Rubber Mfg. Co., Bloomfield, N. J.; Lawrence Belting Co., New York; Mercer Rubber Co., Hamilton, N. J.
Essex Blast Furnaces. Northern Iron Co., Port Henry, N. Y.
Essex Carriage Top Supports. Essex Brass Fdry Co., Cambridge, Mass.
Essex Cocks for Oil Country Service. The Kelly & Jones Co., Greensburg, Pa.
Essex Dial Cocks. G. B. Essex Brass Co., Detroit, Mich.
Essex Dust Absorbing Floor Oils. Apothecaries Hall Co., Waterbury, Conn.
Essex Grease Cups, Lubricators. G. H. Essex Brass Co., Detroit, Mich.
Essex Iron Cocks. The Kelly & Jones Co., Greensburg, Pa.
Essex Kitchen Sinks. Sanitas Mfg. Co., Boston, Mass.
Essex Lawn Mowers. S. P. Townsend & Co., Orange, N. J.
Essex Leather Belting. Laurence Belting Co., New York.
Essex Marine Engines. Essex Engine Co., Lynn, Mass.
Essex Pig Iron. Northern Iron Co., Plattsburgh, N. Y.
Essex Rubber Heels. Essex Rubber Co., Trenton, N. J.
Essex Steam and Water Heaters. Gurney Heater Mfg. Co., Boston.
Essex Whip Socket Fasteners. Searls Mfg. Co., Newark, N. J.
Esso Core Jarring Machines. S. Obermayer Co., Cincinnati, O.
Esso Foundry Facings and Core Compound. S. Obermayer Co., Chicago.
Estabrook Grease Traps; Catch Basins; Soil Pipe Fittings. R. Estabrook's Sons, Boston, Mass.
Estabrook J. J. Elec. Clock Systems. Pacific Elec. Clock Co., San Francisco.
Esta Humidifiers. Esta Water Auxiliary Co., Inc., New York.
Estate Bath Water Heaters and Stoves. Est. Stove Co., Hamilton, O.
Estate Stoves, Electric Ranges. Estate Stove Co., Hamilton, O.
Estate Sunburst Electric Heaters. The Estate Stove Co., Hamilton, O.
Esterline-Angus Ammeters, Speed Recorders and Wattmeters. Esterline-Angus, Indianapolis, Ind.
Esterline Graphic Electrical Meter. Esterline Co., Lafayette, Ind.
Estes Shafting Couplings. Strong Homer, Rochester, N. Y.
Esty Automatic Fire Sprinklers. H. G. Vogel Co., New York.
Esy-Squeeze Mop Wringers. Van Arnam Mfg. Co., Ft. Wayne, Ind.
Eta Colored Cotton Waste. Massasoit Mfg. Co., Fall River, Mass.
Etch-O-Lite Etching Solution. Etch-O-Lite Co., Pittsburgh, Pa.
Etchalite Lamp Frosting. Union Electric Co., Pittsburgh, Pa.
Etchart Name Plates and Seals. L. F. Grammes & Sons, Inc., Allentown, Pa.
Etchograph Marking Machines. Wm. Brewster Co., Inc., New York.
Eternalite Paints. Charles William Stores, Brooklyn, N. Y.
Eternity Belt Cements. Burr Oak Belting Co., Cincinnati, O.
Eternium Paint. Barrett Co., New York.
Eternit Asbestos Pipe and Boiler Coverings, Packings, Textiles, Shingles and Lumber. American Insulation Co., Philadelphia, Pa.
Eternolin Varnishes. Wm. T. Baker, Inc., Jersey City, N. J.
Ethar Metals. Ellsworth Haring, New York.
Etheridge Wiring Pendants. Fletcher Mfg. Co., Dayton, Ohio.
Etherington-Singer Ore Roasters. Zinc Concentrating Co., Boston, Mass.
Ethiopa Packing. Crandall Packing Co., Palmyra, N. Y.
Etna Cutting and Swaging Machines. Etna Machine Co., Toledo, O.
Etna Heat Treated Knuckle Pin. Etna Forge & Bolt Co., Pittsburgh, Pa.
Etna Swaging, Scarifying and Straightening Machines. The Etna Machine Co., Toledo, O.
Etnyre Road Oilers. E. D. Etnyre & Co., Oregon, Ill.
Etowah Marble. Georgia Marble Co., Tate, Ga.
Etowah Pig Iron. Alabama Co., Birmingham, Ala.
Etruscan Electric Lamp Posts. Casey Hedges Co., Chattanooga, Tenn.

Ettco Automobile (Locking) Steering Wheels and Drill Chucks, Tapping Devices, Mandrels, Lathe Centers and Flexible Metallic Conduit, Armored Conductors. Eastern Tube & Tool Co., Inc., Brooklyn, N. Y.
Etter Easy Running Pumps. Domestic Engine & Pump Co., Shippensburg, Pa.
Euchrelytum. West Disinfectng Co., New York.
Euclid Duck. The Upson-Walton Co., Cleveland.
Euclid Electric Hoists. Euclid Crane & Hoist Co., Euclid, O.
Euclid Hot Air Furnaces. Bennett Furnace Co., Cleveland.
Euclid Insulating Tape. Consumers Rubber Co., Cleveland, O.
Euclid Rubber Battery Jars, Switchboard Mats. Consumers Rubber Co., Cleveland.
Euclid Stone Switchboards, Steps and Sinks. Euclid Stone & Brick Co., Cleveland.
Euctor Steam Condensers. Schutte & Koerting, Philadelphia.
Eureka Adjustable Stools. Toledo Metal Furniture Co., Toledo, Ohio.
Eureka Air Compressors. Eureka Air Compressor Co., Inc., Bloomfield, N. J.; Eureka Pneumatic Spray Co., New York.
Eureka Arc Headlights, Electric Car Headlights. Dayton Mfg. Co., Dayton, O.
Eureka Automatic Air Valves. W. A. Russell & Co., New York.
Eureka Automatic Steam Generators, Condensers, Private Garage Heaters. Lattner Mfg. Co., P. M., Cedar Rapids, Ia.
Eureka Auto Truck Trailers. Eureka Co., Rock Falls, Ill.
Eureka Babbitt Metal. A. G. Schultz & Co., Baltimore, Md.
Eureka Babbitt Metal and Sleet Cutters. Eureka Co., North East, Pa.
Eureka Band Saw Scarfer. Mitts & Merrill, Saginaw, Mich.
Eureka Bark Mills. Barry & Zechter Co., Lancaster, Pa.
Eureka Barrows. The Lansing Company, Lansing, Mich.
Eureka Belt Coupler. Mfrs. Belt Hook Co., Chicago.
Eureka Belt Dressing. Standard Oil Co. of New York, New York.
Eureka Belt Lacing. Manufacturers' Belt Hook Co., Chicago.
Eureka Billiard Chalk. American Crayon Co., Sandusky, Ohio.
Eureka Blotter Baths, Sanitary Copying Cloths, Moisteners, Cigar Humidifiers and Telephone Brackets. Eureka Blotter Bath Co., Chicago.
Eureka Boiler Compounds. Wadhams Oil Co., Milwaukee, Wis.
Eureka Boiler Injectors. Kincaid Bros., Pittsburgh.
Eureka Bonding Drills; Portable Hack Saw Machines. Crerar Adams & Co., Chicago.
Eureka Bran, Flour, Sugar Packer. Barnard & Leas Manufacturing Co., Moline, Ill.
Eureka Broom Holders. Coleman Hardware Co., Chicago.
Eureka Burlap. Cotta-a-Lap Co., Somerville, N. J.
Eureka Carbonators, Carbon Removers, Beer Bottling Machines, Water Filters, Water Lifts. Bishop & Babcock Co., Cleveland.
Eureka Carbon Paper and Typewriter Ribbons. Mittag & Volger, Park Ridge, N. J.
Eureka Carpet Sweepers. Metal Stamping Corp., Streator, Ill.
Eu-re-ka Children's Vehicles. Manumotors Co., Manitowoc, Wis.
Eureka Closet Spuds. Trenton Brass & Machine Co., Trenton, N. J.
Eureka Clothes Lines. Estes Mills, Fall River, Mass.
Eureka Coal Crushers. Universal Crusher Co., Cedar Rapids, Ia.
Eureka Coin Bag. Detroit Coin Wrapper Co., Detroit, Mich.
Eureka Compressed Air Pumps. Hudson Mfg. Co., Minneapolis.
Eureka Concrete Building Block Machinery. Besser Mfg. Co., Alpena, Mich.
Eureka Cordage Rope. Columbian Rope Co., Auburn, N. Y.
Eureka Corkboard. Armstrong Cork & Insulation Co., Pittsburgh, Pa.
Eureka Corn and Cob Mills. Barry & Zecher Co., Lancaster, Pa.
Eureka Corn Planters. Cardwell Machine Co., Richmond, Va.
Eureka Cotton Mops. Massasoit Mfg. Co., Fall River, Mass.
Eureka Crushers, Pulverizers, Etc. Universal Crusher Co., Cedar Rapids, Ia.
Eureka Cultivators. Towers & Sullivan Mfg. Co., Rome, Ga.
Eureka Dairy Apparatus. Vermont Farm Mach. Co., Bellows Falls, Vt.
Eureka Delivery and Market Baskets. Eastern States Package Co., Inc., Buffalo, N. Y.
Eureka Driving Lanterns. R. E. Dietz Co., New York.
Eureka Ejectors, Jet Pumps. Kincaid Bros., Pittsburgh, Pa.
Eureka Electric Bells and Buzzers. Ansonia Elect. Co., Ansonia, Conn.
Eureka Electric Car Headlights. Dayton Mfg. Co., Dayton, Ohio.
Eureka Emery Grinders. Chicago Wheel Mfg. Co., Chicago.
Eureka Equalizers. E. B. Adams & Son, Racine, Wis.; Harvey Spring & Forging Co., Racine, Wis.
Eureka Expanded Metal Lath. North Western Expanded Metal Co., Chicago.
Eureka Eye Shades. Chicago Eye Shield Co., Chicago.
Eureka Feed Cooker. C. H. Dutton Co., Kalamazoo, Mich.
Eureka Feed Grinding Mills, Windmills, Wood Sawing Machines. Smith & Pomeroy Windmill Co., Kalamazoo, Mich.
Eureka Filtering and Purifying Plan. Dodge Mfg. Corp., Mishawaka, Ind.
Eureka Fire Brick. Eureka Fire Brick Works, Pittsburgh, Pa.
Eureka Fire Hose. Eureka Fire Hose Mfg. Co., New York.
Eureka Frogs. Elliot Frog & Switch Co., East St. Louis, Ill.
Eureka Fruit & Vegetable Parers. Goodell Co., Antrim, N. H.
Eureka Gas Oven Illuminators. Dutchess Tool Co., Beacon, N. Y.
Eureka Gas Water Heaters. Eureka Water Heater Co., Chicago.
Eureka Gauge Glasses. Bache, Semon & Co., New York.
Eureka Grain Cleaning Machinery. S. Howes Co., Inc., Silver Creek, N. Y.
Eureka Grain Dryers. Wolf Co., Chambersburg, Pa.
Eureka Green Pea Cleaning and Grading Machines. Sprague Canning Machinery Co., Chicago.
Eureka Gum Core Packing. Eureka Packing Co., New York.
Eureka Hack Saw Machines. H. G. Thompson & Son Co., New Haven, Conn.
Eureka Hame Clips. Imperial Bit & Snap Co., Racine, Wis.
Eureka Harness Oil. Standard Oil Co., Chicago.
Eureka Hay and Corn Cutter Knives. Bateman Mfg. Co.,Grenloch, N. J.
Eureka Hickory Handles. Hartwell Handle Co., Harvey, Ill.
Eureka Hose Couplings. Rauch Mfg. Co., Galena, Kan.
Eureka Insect Guns. Thos. W. Houchin Co., New York.
Eureka Ironing Tables. Holmquist & Co., Chicago.
Eureka Lath Yarn. The Bailey-Lebby Co., Charleston, S. C.
Eureka Lathes. The Rahn-Larmon Co., Cincinnati, O.
Eureka Lawn Sprinklers. W. D. Allen Mfg. Co., Chicago.
Eureka Leather Wheels. E. Reed Burns, Brooklyn, N. Y.
Eureka Lubricating Oils and Greases. A. W. Harris & Co., New York.
Eureka Metal Paints. Eureka Chemical Co., Brooklyn, N. Y.; Debevoise Co., Brooklyn, N. Y.
Eureka Metal Saws. H. G. Thompson Son Co., New Haven, Conn.
Eureka Mine Car Wheels. Hockensmith Wheel & Mine Car Co., Penn Station, Pa.
Eureka Oak Flooring. Salt Lick Lumber Co., Salt Lick, Ky.
Eureka Paints and Buckets. Buckeye Churn Co., Sidney, O.
Eureka Paints and Cements. Otley Paint Mfg. Co., Chicago.
Eureka Paper Clips. Consolidated Safety Pin Co., Bloomfield, N. J.
Eureka Pig Iron. Tenn. Coal, Iron & R. R. Co., Birmingham, Ala.
Eureka Plane Boiler Grates. Morrisville Fdry Co., Morrisville, Vt.
Eureka Portable Grain Elevators. Chas. E. Davidson, Eureka, Ill.
Eureka Post Hole Diggers. Columbus Handle & Tool Co., Columbus, Ind.; Seymour Mfg. Co., Seymour, Ind.
Eureka Potato Diggers, Spring Tooth Harrow & Sprayers. Eureka Mower Co., Utica, N. Y.
Eureka Potato Planters. Potato Implement Co., Traverse City, Mich.
Eureka Railway Track Drills and Portable Rail Saws. Crerar, Adams & Co., Chicago.
Eureka Ratchet Wrenches. Allen Wrench & Tool Co., Providence, R. I.
Eureka Red Cedar Shingles. Connor & Bailey, Inc., Everett, Wash.
Eureka Resistance Wire. Alloy Metal Wire Co., New York.
Eureka Rim Compressors. Eureka Rim Compressor, Addison, N. Y.
Eureka Rock and Ore Conveyors. Universal Crusher Co., Cedar Rapids, Ia.
Eureka Rod Packing. Eureka Packing Co., New York.
Eureka Roof Snow Guards. J. H. Fulmer, Nazareth, Pa.
Eureka Rope. Columbian Rope Co., Auburn, N. Y.
Eureka Rule Press. J. F. Helmold & Bro., Inc., Chicago.
Eureka Sand Boxes. Lebanon Electric Co., Lebanon, Pa.
Eureka Scouring Cork. Paddock Cork Co., Brooklyn, N. Y.
Eureka Shade Cloth. Pacific Shade Cloth Co., Oakland, Cal.
Eureka Sheet Packing. Robertson & Sons, New York.
Eureka Shingle Stains. Lancaster Paint & Glass Co., Lancaster, Pa.
Eureka Soldering Flux. Grasselli Chemical Co., Cleveland.
Eureka Soldering Paste, Salts and Sticks. Grasselli Chemical Co., Cleveland, O.
Eureka Spiral Screw Drivers. Decatur Coffin Co., Decatur, Ill.
Eureka Spring Rail Clamps. Elliott Frog & Switch Co., E. St. Louis.
Eureka Spray Pumps. Morrill & Morley, Benton Harbor, Mich.
Eureka Spring Forges; Adjustable Switch Rods and Clips; Adjustable Rail Braces. Elliot Frog & Switch Co., East St. Louis, Ill.
Eureka Stencils. S. W. Reese & Co., New York.
Eureka Stumping Powder. Giant Powder Co., San Francisco.
Eureka Syphons. Kincaid Brothers, Pittsburgh, Pa.
Eureka Take-Down Squares. Nicholls Mfg. Co., Ottumwa, Ia.
Eureka Telephone Brackets. Eureka Blotter Bath Co., Chicago.
Eureka Tire Air Pumps. Judd & Leland Mfg. Co., Clifton Springs, N. Y.
Eureka Toasters. Wickwire Spencer Steel Co., Worcester, Mass.
Eureka Trolley Wheels. Eureka Co., Northeast, Pa.
Eureka Tubular Boilers. C. H. Dutton Co., Kalamazoo, Mich.
Eureka Typewriter Ribbons. Mittag & Volgar, Park Ridge, N. J.
Eureka Unfading Green Roofing Slates. Fair Haven, Vt.
Eureka "U. S." Fire and Mill Hose. United States Rubber Co., New York.
Eureka Vacuum Cleaners. Eureka Vacuum Cleaner Co., Detroit.
Eureka Valves. National Tube Co., Pittsburgh, Pa.
Eureka Valves and Unions. Eureka Brass Works, Cincinnati.
Eureka Vises. Emmert Mfg. Co., Waynesboro, Pa.
Eureka Water Gauges. Star Brass Mfg. Co., Boston.
Eureka Water Meters. Pittsburgh Meter Co., E. Pittsburgh.
Eureka White Lead. Eagle Picher Lead Co., Chicago.
Eureka Windmills. Smith & Pomeroy Windmill Co., Kalamazoo, Mich.
Eureka Wire Fence Machines. Eureka Fence Mfg. Co., Richmond, Ind.
Eureka Wire Test Connectors. Frank W. Morse, Boston.
Eureka Wood Fibre Plaster. American Cement Plaster Co., Buffalo.
Eureka Wooden Barrows. Chattanooga Wheelbarrow Co., Chattanooga, Tenn.; Frank R. Prescott, Meredith, N. H.
Eureka Wrenches. Allen Wrench & Tool Co., Providence, R. I.
Eusley Pig Iron. Tenn. Coal, Iron & R. R. Co., Birmingham, Ala.
Evans Almeti Fire Doors and Shutters. Merchant & Evans Co., Philadelphia, Pa.
Evans' Automobile Shipping Blocks. E. S. Evans & Co., Detroit, Mich.
Evans Challenge Ventilating Apparauts for Greenhouses. John A. Evans Co., Richmond, Ind.
Evans Expansion Bolts. F. H. Evans, Brooklyn, N. Y.
Evans Fire, Tin Clad, Sheet Metal, Fireproof, Metal and Metal Covered Doors and Shutters, Universal Joints. Merchant & Evans Co., Philadelphia.
Evans Friction Cone Pulleys. G. F. Evans, Newton Center, Mass.
Evans Harrows, Harrow Attachments, Potato Planters. American Seeding Machine Co., Springfield, Ohio.
Evans Marine Steering Gears. C. H. Evans & Co., San Francisco.
Evans Power Cycle. Cyclemotor Corp., Rochester, N. Y.
Evans Safety Lock Nuts. E. J. Arghis & Co., New York.
Evans Skylight Ventilating Apparatus. John A. Evans Co., Richmond, Ind.
Evans Variable Speed Transmission. Evans Friction Cone Co., Newton Center, Mass.
Evans Veneered Doors. Carnahan Mfg. Co., Loogootee, Ind.
Evanston Lawn Sprinkler. W. D. Allen Mfg. Co., Chicago.
Evansville Marine Engine. The Evansville Gas Engine Works, Evansville, Ind.
Evart Logging Tools. American Logging Tool Co., Evart, Mich.
Even Draft Chimney Extensions. Milwaukee Corrugating Co., Milwaukee, Wis.
Even Up Equalizers. Nevada Mfg. Co., Nevada, Ia.
Everbright Auto Polish and Top Dressing. Everbright Mfg. Co., San Francisco.
Ever-Brite Lacquer. Durable Products Co., East Liverpool, Ohio.
Ever Clean Grand Screens. Beach Mfg. Co., Charlotte, Mich.
Eveready Batteries and Flashlights. National Carbon Co., Inc., Long Island City, N. Y.
Eveready Daylo Electric Lamp Flashlights. American Ever Ready Works of National Carbon Co., Long Island City, N. Y.
Eveready Flashlights and Radio Batteries. National Carbon Company, Inc., Long Island City, N. Y., Atlanta, Chicago, Cleveland, San Francisco, Cal.
Eveready Helmets. Servus Rescue Equipment Co., Newark, N. J.
Eveready Lunch Boxes. Ben S. Loeb Co., New York.
Eveready Saw Rigs. Oshkosh Mfg. Co., Oshkosh, Wis.
Eveready Welding Equipment. Oxweld Acetylene Co., Long Island City, N. Y.; Chicago; San Francisco, Cal.
Evered Churn Drill Engines. National Iron Co., Duluth, Minn.
Everedy Electric Hoist. Reading Chain & Block Corp., Reading, Pa.
Everett Blue Print Machines. Revolute Machine Company, New York.
Everett Dump Boxes. Everett Mfg. Co., Newark, N. Y.
Everett-McAdam Blue Printing Machines. Revolute Machine Co., New York.
Everett Power Rail Drilling Machine. Railroad Accessories Corp., New York.
Everett Saw Handles. Sound Handle Co., Everett, Wash.
Everett-Sexton Pig Iron. Joseph E. Thropp, Earlston, Pa.

Everglade Kitchen Enameled Ware. Strong Mfg. Co., Sebring, O.
Evergood Belting. Trenton Rubber Mfg. Co., Trenton, N. J.
Ever Good Rust-Proof Auto Bumpers, Rust-Proof Auto Mirrors. Emil Grossman Mfg. Corp., Brooklyn, N. Y.
Evergreen Inner Automobile Tubes. Falls Rubber Co., Cuyahoga Falls, O.
Evergrip Hose Clamps. Everhot Manufacturing Co., Maywood, Ill.
Ever Grip Insulating Tape. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Ever Grip Rubber Belting. W. D. Allen Mfg. Co., Chicago.
Evergrip Sliding Furniture Shoes. Evergrip Gliding Caster Co., New York.
Evergrip Splicing Compound Tape. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Everhart Pneumatic Signals. Everhart Brass Works, Scranton, Pa.
Everheat Electric Rug. Willat Production Co., San Francisco.
Everhot Electric Water Heaters and Steam Tables. Pacific Mfg. Elec. Co., Los Angeles.
Everhot Selfheating Soldering Iron and Blow Torch. Everhot Manufacturing Co., Maywood, Ill.
Everhot Torches, Soldering Irons and Burning Brands. Everhot Mfg. Co., Maywood, Ill.
Everite Blue Print Paper. N. Y. Blue Print Paper Co., New York.
Everjet Paint. Barrett Co., New York.
Ever-Kool Water Cooler. Everson Filter Co., Chicago.
Everlas Spark Plugs. F. A. B. Mfg. Co., Oakland, Cal.
Everlast Asbestos Brake Linings. National Leather Belting Co., New York.
Everlast Concrete Fence Post Molds. Miller Mfg. Co., E. L., Kansas City, Mo.
Everlast Concrete Hardener. Concrete Hardening Co., Inc., New York.
Everlast Exhaust Heads. Franklin Williams, New York.
Everlast Reed and Willow Furniture. United States Willow Furniture Co., Hoboken, N. J.
Everlastic Multi-Shingles; Rubber Roofing, Slate Surfaced Roofing and Single Shingles. Barrett Co., New York.
Everlastic Ready Roofing. Barrett Co., New York.
Everlastine Varnish. Nubian Paint & Varnish Co., Chicago.
Everlasting Asbestos Packing. Goodyear Rubber Co. & Rubber Clothing Co., New York.
Everlasting Babbitt Metal. Lissberger, Marks & Son, Long Island City, N. Y.
Everlasting Black Paints. U. S. Refining Co., Cleveland.
Everlasting Blow-off Valves. Scully Steel & Iron Co., Chicago.
Everlasting Brazed Steel Oilers, Torches, Etc. P. Wall Mfg. Supply Co., Pittsburgh, Pa.
Everlasting Canvas Valve Cups. Montpelier Mfg. Co., Montpelier, Ind
Everlasting Celluloid Covered Closet Seats. Standard Tank & Seat Co., Camden, N. J.
Everlasting Chisels. Stanley Rule & Level Plant, New Britain, Conn.
Everlasting Dado Heads. Mattison Machine Works, Rockford, Ill.
Everlasting Dead Plate. Indestructible Dead Plate Co., Chicago.
Everlasting Flexible Steel Mat. Cary Mfg. Co., Brooklyn, N. Y.
Everlasting Hardwood Floorings. Nichols & Cox Lumber Co., Grand Rapids, Mich.
Everlasting Hickory Handles. E. B. Estes & Sons, New York.
Everlasting Paints. Means & Thatcher, Quincy, Mass.
Everlasting Steel Signs and Settees. Bolte Mfg. Co., Kearney, Neb.
Everlasting Tank Heaters. Kelly Fdry. & Mach. Co., Goshen, Ind.; Heesen Bros. Co., Tecumseh, Mich.
Everlasto Trunks. Pacific Luggage Factory, San Francisco, Cal.
Evernew Carriage Top Dressing. Felton-Silbey & Co., Philadelphia.
Everon Door Hangers. Richards-Wilcox Mfg. Co., Aurora, Ill.
Ever-On Rubber Button. Huntington Rubber Mills, Portland, Ore.
Everplay Phonograph Needles and Repeater. Willat Production Co., San Francisco, Cal.
Ever-Ready Announcement Slides. Williams, Brown & Earle, Inc., Philadelphia, Pa.
Ever-Ready Blank Shares. Crescent Forge & Shovel Co., Havana, Ill
Ever Ready Can Openers. Bradley & Farnham, Middlefield, Conn.; Ellis Mfg. Co., Milldale, Conn.
Ever-Ready Cement for Lamp Chimneys. E. A. Ditman Specialty Co., Brooklyn, N. Y.
Ever Ready Closet Hangers. B. B. Specialty Co., Pittsburgh, Pa.
Ever-Ready Corn Shellers. Star Heel Plate Co., Newark, N. J.
Ever-Ready Iron Tub Hoops. Weed & Co., Buffalo.
Ever-Ready Pocket Ammeters and Dry Batteries. American Ever-Ready Co., New York.
Ever-Ready Safety Razors, Blades, and Shaving Brushes. American Safety Razor Corp., Brooklyn, N. Y.
Ever-Ready Scuppers. Barton Spider Web System, Chicago.
Ever-Ready Spoke Tenon Machine. House Cold Tire Setter Co., St. Louis, Mo.
Ever Ready Telephone Pads. S. I. Atwater, New York.
Ever-Ready Tool Emery Grinders. Crestline Mfg. Co., Crestline, O.
Ever Shine Polish. Charles F. Stein, Chicago.
Eversharp Pencils. Wahl Co., Chicago.
Everson Water Coolers and Filters. Everson Filter Co., Chicago.
Everstick Guy Anchors. Everstick Anchor Co., St. Louis, Mo.
Everstick Patent Solder. Great Western Smelting & Refining Company, Chicago.
Ever-Tight Piston Rings. Ever-Tight Piston Ring Co., St. Louis, Mo
Evertite Boiler Covering. Excello Mfg. Co., Cleveland, O.
Evertite Cement. Excello Mfg. Co., Cleveland, O.
Evertite Roofing. A. H. White Co., New Orleans, La.
Ever Tyte Piston Rings. Walter A. Zelnicker Supply Co., St. Louis, Mo.
Everwear Elevator Belting. Robins Conveying Belt Co., New York.
Everwear Window Shades. Beckley-Cardy Co., Chicago.
Ever-Willing Doors. Hurst Sash & Door Co., Grand Island, Neb.
Everybody's Choice Clover Line Coffins. Embalming Burial Case Co., Burlington, Ia.
Everybody's Soap. International Supply Co., Cambridge, Mass.
Everyday Piston Rings. Everyday Piston Ring Co., E. Rochester, N. Y.
Everything Best Mixed Paints. W. W. Lawrence & Co., Pitts., Pa.
Evinrude Detachable Row Boat and Canoe Motors; Unit Centrifugal Pumps; Oil Engines. The Evinrude Motor Co., Milwaukee, Wis.
Evinrude Outboard Motors. Evinrude Motor Co., Milwaukee, Wis.
Ewald Automobile Speed Gears. Romort Mfg. Co., Oakfield, Wis.
Ewald Berry Boxes. Cumberland Fruit Package Co., Cumberland, Wis.
Ewart Detachable Link-Belt. Link-Belt Co., Chicago, Indianapolis, and Philadelphia; H. W. Caldwell & Son, Chicago.
Eweldco Bar Benders and Cutters; Spiral Column Reinforcement; Spacing Bars and Wire Straighteners. Electric Welding Company, Pittsburgh, Pa.
Ewing Extensometers. Herman A. Holz, New York., Taylor Instrument Companies, Rochester, N. Y.
Exact Weight Beam Scales. The Smith Scale Co., Columbus, O.
Exanol Screw Cutting Oils. Union Petroleum Co., Philadelphia, Pa.
Exax Glassware. Kimble Glass Co., Chicago.
Excel Caulking Cotton. Massasoit Mfg. Co., Fall River, Mass.
Excel Conductor Punches. Hoggson & Pittis Mfg. Co., New Haven, Conn.
Excel Incandescent Lamps. Novelty Incandescent Lamp Co., Emporium, Pa.
Excel Moth Proof Bunting, Signal Flags, Liquid Soap and Dispensers. Chicago Flag & Decorating Co., Chicago.
Excel Taps, Reamers, Drills. Alvord Reamer & Tool Co., Millersburg, Pa.
Excelite Paints, Enamels and Stain. Lion Varnish Mfg. Co., Inc., Seattle, Wash.
Excello Arc Light Carbons. Hugo Reisinger, New York.
Excello Circuit Batteries. Clark & Mills Elec. Co., Cambridge, Mass.
Excello Closet Seats. C. F. Church Mfg. Co., Holyoke, Mass.
Excello File Folders. United Business Equipment Co., Boston, Mass.
Excello Flaming Arc Lamps. Kandem Electric Co., Inc., New York.
Excello Harrows. Wm. Fetzer Co., Springfield, Ill.
Excello Interior Spar Varnish. R. F. Johnston Paint Co., Cincinnati, O.
Excello Oils. L. Sonneborn Sons, New York.
Excelmo Leather Belting. Missouri Belting Co., St. Louis, Mo.
Excello Resistance Wire. H. Boker & Co., New York.
Excello Surgical Gauze. American Gauze & Cotton Co., Inc., St. Louis.
Excello Washing Machines. Howe Co., Wheeling, W. Va.
Excelo Disinfectants. San Jose Spray Mfg. Co., San Jose, Cal.
Excel-O-Valve Flushing Valves and Slow Closing Basin Cocks. Excel-ovalve Co., New York.
Excelsior Absorbent Cotton. Maplewood Mills, Fall River, Mass.
Excelsior Anchor Bolting Cloth. Hammond-Homberger Co., Silver Creek, N. Y.
Excelsior Ash Lifts. Bethlehem Foundry & Machine Co., South Bethlehem, Pa.
Excelsior Auger Bits. C. E. Jennings & Co., New York.
Excelsior Babbitt Metal. Thomas Wildes' Sons, New York.
Excelsior Back Pressure Valves. Jenkins Bros., New York.
Excelsior Biscuit Machinery. L. A. Rockwell Co., Brooklyn, N. Y.
Excelsior Boiler Compound. R. M. Gilmour Mfg. Co., New York. Star Lubricating Oil Co., Cleveland, O.
Excelsior Boiler Feeders and Injectors. N. A. Watson, Erie, Pa.
Excelsior Bottom Dumping Buckets. G. L. Stuebner Iron Works, Long Island City, N. Y.
Excelsior Bronzing Liquids. Samuel F. Woodhouse, Phila., Pa.
Excelsior Burnishing Compound. International Chemical Co., Philadelphia, Pa.
Excelsior Can Openers. Bradley & Farnham, Middlefield, Conn.; Ellis Mfg. Co., Milldale, Conn.
Excelsior Cane Mills. Excelsior Foundry Co., Inc., Belleville, Ill.
Excelsior Car Roofs. Excelsior Car Roof Co., E. St. Louis, Ill.
Excelsior Carriage Fasteners. C. Cowles & Co., New Haven, Conn.
Excelsior Cements. Cleveland Bldrs.' Supply & Brick Co., Cleveland.
Excelsior Chemicals. Wm. F. Jobbins, Aurora, Ill.
Excelsior Chimney Tops. Excelsior Fire Clay Co., Lisbon, O.
Excelsior Coffee and Spice Mills. Wrightsville Hardware Co., Wrightsville, Pa.
Excelsior Concrete Mixer. Excelsior Mixer & Mach. Co., Milwaukee, Wis.
Excelsior Corkboard. Mundet & Son, Inc., L., New York.
Excelsior Corn Huskers. Wallingford Mfg. Co., Wallingford, Vt.
Excelsior Cultivators. Whitaker Mfg. Co., Chicago.
Excelsior Cushion Springs. Trenton Spring Mattress Co., Trenton, N. J.
Excelsior Cutting Machines. Excelsior Saw Mill Mach. Co., New York.
Excelsior Cylinder & Engine Oil. E. H. Kellogg & Co., New York.
Excelsior Engine Indicators. Lippincott Steam Specialty & Supply Co., Newark, N. J.
Excelsior Fanning Mills. Johnson & Field Mfg. Co., Racine, Wis.
Excelsior Feed Water Heaters. Wm. Allen Sons Co., Worcester, Mass.
Excelsior Felt Cleansers. Paper Makers' Chemical Co., Easton, Pa.
Excelsior Fire Brick. Alabama Clay Products Co., Birmingham, Ala.
Excelsior Flour Sieves. Leo. Schlesinger & Co., New York.
Excelsior Gas Engine Power Spray Pumps. Wm. Stohl Sprayer Co., Quincy, Ill.
Excelsior Gasoline and Motor Oils. C. E. Mills Oil Co., Syracuse, N. Y.
Excelsior Gauge Cocks. Lunkenheimer Co., Cincinnati, O.
Excelsior Grease Traps. Sproul & McGurrin Co., Grand Rapids, Mich.
Excelsior Halter Trimmings. Frazer & Jones Co., Syracuse, N. Y.
Excelsior Harrow Attachments. Dexter Co., Fairfield, Ia.
Excelsior Hay Presses. Collins Plow Co., Quincy, Ill.
Excelsior Heaters. Harrisburg Pipe & Pipe Bending Co., Harrisburg, Pa. Wm. Allen & Sons Co., Worcester, Mass.
Excelsior Hoes. Bateman & Companies, Inc., New York.
Excelsior Hose Reels. Cardington Cabinet Co., Cardington, O.
Excelsior Hose, Rubber Goods, Gaskets, Belting, Packing. Boston Belting Co., Boston, Mass.
Excelsior Insulating Paper. Meirowsky Bros., Jersey City, N. J.
Excelsior Kerosene Lamp Burners. Edw. Miller & Co., Meriden, Conn.
Excelsior Knitting Machine Needles. Torrington Co., Lakeport, N. H.
Excelsior Knitting and Sewing Machine Needles. Torrington Co., The Excelsior Plant, successor to Excelsior Needle Co., Torrington, Ct.
Excelsior Lawn Mowers. Chadborn & Coldwell Co., Newburgh, N. Y.
Excelsior Leather Belting. Union Belt Co., Fall River, Mass.
Excelsior Lubricating Grease. John M. Watt's Sons, Phila., Pa.
Excelsior Lubricating Oils and Greases. A. W. Harris & Co., New York. Swan & Finch Co., New York. Wm. P. Miller Sons, Long Island City, N. Y.
Excelsior Machine Tools. Royersford Fdry. & Mach. Co., Inc., Philadelphia, Pa.
Excelsior Motor Cycles. Excelsior Motor Mfg. & Supply Co., Chicago.
Excelsior Oiled Clothing. H. M. Sawyer & Sons, Cambridge, Mass.
Excelsior Oils and Greases. Wm. P. Miller's Sons, Long Island, N. Y.
Excelsior Packing Deckle Straps and Hose. Boston Belting Corp., Boston, Mass.
Excelsior Packing Hooks. Strong Machinery & Supply Co., New York.
Excelsior Packing, Valves. Exelsior Valve Co., New York.
Excelsior Papermakers' Felts. Bulkley, Dunton & Co., New York.
Excelsior Peanut Planters. R. W. Whitehurst Mfg. Corp., Norfolk, Va.
Excelsior Pumping Machinery. Foster Pump Works, Brooklyn, N. Y.
Excelsior Rawhide Lace Leather; Tanned Lace Leather. Wm. Coupe Corp., Worcester, Mass.
Excelsior Red Friction Belting. Boston Belting Corp., Boston.
Excelsior Red Rubber Belting. Boston Belting Co., Boston, Mass.
Excelsior Regrinding Valves. The Kelly & Jones Co., Greensburg, Pa.
Excelsior Resistance Wire. Alloy Metal Wire Co., New York.
Excelsior Rubber Valves. Excelsior Valve Co., New York.
Excelsior Sanded Wall Plaster. Empire Gypsum Co., Rochester, N. Y.
Excelsior Shears. Excelsior Tool & Mfg. Co., East St. Louis, Ill.
Excelsior Sheet Iron Workers' Machinery. Excelsior Tool & Mach. Co., E. St. Louis, Ill.

Excelsior Slides. Excelsior Illustrating Co., Inc., New York.
Excelsior Soldering Flux. Manhattan Electric Supply Co., New York. National Lead Co., New York.
Excelsior Spray Pumps and Incubators and Brooders. Wm. Stahl Sprayer Co., Quincy, Ill.
Excelsior Spraying Outfits. Wm. Stahl Sprayer Co., Quincy, Ill.
Excelsior Steam and Hot Water Heaters. Isaac A. Sheppard & Co., Baltimore, Md.
Excelsior Stamp Pads. R. A. Stewart & Co., New York; B. G. Volger Mfg. Co., Passaic, N. J.
Excelsior Stoves. Sharp Mfg. Supply Co., New Philadelphia, Ohio.
Excelsior Testing Sieve. Hammond-Homberger Co., Silver Creek, N. Y.
Excelsior Tire Air Pumps. Judd & Leland Mfg. Co., Clifton Springs, N. Y.
Excelsior Trestles. Portland Extn. Ladder & Pole Co., Newark, N. J.
Excelsior Valves. Kelly & Jones Co., Grensburg, Pa.
Excelsior Vertical Drilling Machines. Royersford Foundry & Machine Co., Royersford, Pa.
Excelsior Water Filters. Buffalo Mfg. Co., Buffalo, N. Y.
Excelsior Weeding Hooks. Potter Mfg. Co., Geneva, N. Y.
Excelsior Well Curbing. E. E. & J. H. Bates, Arlington, Providence, R. I.
Excelsior White Insulating Tape. Consumers Rubber Co., Cleve., O.
Excelsior Wing Dividers. Wm. Schollhorn Co., New Haven, Conn.
Excelsior Wire Cord and Fences, Poultry Fence, Coal and Sand Screens, Foundry Riddles. Wickwire-Spencer Steel Corp., Worcester, Mass.
Excelsior Wire Fences and Gates, Wire Picture Cords, Rust Proof Wire Tree Guards, Fences, Clothes Line Wire, Stove Pipe Wire, Fence Ratchets, Riddle and Sieves, Screens, Wire Rope, Tow Lines, Wire Guards, Splints. Wickwire Spencer Steel Corp., New York.
Excelsior Wire Wall Ties. Church Appliance Mfg. Co., La Salle, Ill.
Excelsior Wood Pulleys. Excelsior Pulley Co., Inc., Cuba, N. Y.
Excelso Rotary Saws, Water Heaters, Etc. Excelso Specialty Works, Buffalo, N. Y.
Exciter Leather Belting. McCauley Belting Co., Chicago.
Execuplor Electric Fixtures. Pettingell-Andrews Co., Boston.
Exduct Galvanized Conduit. American Circular Loom Co., New York.
Ex-el-ard Thread Cutting Oil. Buffalo Specialty Co., Buffalo, N. Y.
Exemplar Insulating Tape, Wood Cross Arms and Insulator Pins. Pettingell-Andrews Co., Boston.
Exeter Dry Batteries. Stanley & Patterson, New York.
Exeter Hot Water Radiators. Gibson Iron Works, Gibson City, Ill.
Exeter Lavatories and Fittings. Sanitas Mfg. Co., Boston.
Exeter Tank Valves. Henry Stein, New York.
Exhaust Car Ventilator. J. G. Brill Co., Philadelphia, Pa.
Exhibitors Lanterns. Williams, Brown & Earle, Inc., Philadelphia, Pa.
ExHyDro Waterproofings. Universal Coatings Corp., New York.
Exhydroplastic Alkali and Acid Proof Coatings. Universal Coatings Corp., New York.
Exide A. C. Floating Battery System, for Railway Signals. Electric Storage Battery Co., Philadelphia, Pa.
Exide Batteries and Car Lighting System; Exide Ironclad Batteries; Exide Manchester Plate Batteries (Chloride Accumulator). Electric Storage Battery Co., Philadelphia, Pa.
Exide E. S. B. Car Lighting Systems. Electric Storage Battery Co., Philadelphia, Pa.
Ex-L Radiators. Auto Radiator Mfg. Co., Chicago.
Exo Automobile Horns. Troy Auto Specialty Co., Troy, N. Y.
Expanded Metal Corner Beads. Milwaukee Corrugating Co., Milwaukee, Wis.
Expanse Canvas Valve Cups. Montpelier Mfg. Co., Montpelier, Ind.
Expansion Base Screens; Door and Window Casings. Milwaukee Corrugating Co., Milwaukee, Wis.
Expansion Corner Beads. Milwaukee Corrugating Co., Milwaukee.
Expansion Door Hangers. Richards-Wilcox Mfg. Co., Aurora, Ill.
Expansion Flue Brush. Pilley Packing & Flue Brush Mfg. Co., St. Louis, Mo.
Expansion Key Chains. Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Expansion Packing. A. W. Chesterton Co., Boston.
Expansion Ring Pipe Hangers. Fred E. Glenn, St. Charles, Ill.
Expanso Cup Packings Formed of Vulcanized Fabric. Montpelier Mfg. Co., Montpelier, Ind.
Expect Lead Pencils. American Lead Pencil Co., New York.
Expedio Closets and Urinals. Crane Co., Chicago.
Expedio Vitroware Closet. Crane Company, Chicago.
Expedite Paint and Varnish Remover. Pratt & Lambert, Buffalo, N. Y.
Expert Corn Cleaners, Fanning Mills, Grain Graders. Cleveland Mfg. Co., Minneapolis, Minn.
Expert Crucible Carbon Hack Saw Blades. Napier Saw Works, Inc., Middletown, N. Y.
Expert Daters. R. A. Stewart & Co., New York.
Expert Hunting Knives. Marble Arms & Mfg. Co., Gladstone, Mich.
Exploso Oil Cups. American Injector Co., Detroit, Mich.
Export Carbon Paper and Typewriter Ribbons. J. A. Heale & Co., New York.
Export Clothes Lines. Estes Mills, Falls River, Mass.
Exporto Spectacles, Lenses. United States Lens Co., Geneva, N. Y.
Express Blue Print Machine. Williams, Brown & Earle, Inc., Philadelphia, Pa.
Express Vapor Lamps. New York Stamping Co., Brooklyn.
Extendo Vitroware Closet. Crane Company, Chicago.
Extens Car Curtain Fixtures. Railway Supply & Curtain Co., Chicago.
Extermo-Bug Fluid and Roach Powder. Rochester Germicide Co., Rochester, N. Y.
Externuium Acid Proof Paint. Barrett Co., New York.
Extra Choice Leather Belting. O'Meara Belting Co., Omaha, Neb.
Extra Copper Hardened Babbitt Metal. More-Jones Brass & Metal Co., St. Louis, Mo.
Extra Heavy Leather Belting. Van Riper Mfg. Co., Paterson, N. J.
Extra Iron Electric Engine Bolt, Stay Bolt Iron. Old Dominion Iron & Steel Corp., Belle Isle, Richmond, Va.
Extra Leaky Pipe Strainers. Henry B. Pancoast Co., Philadelphia.
Extra Leather Belting. Eagle Belting Co., Chicago.
Extra Para Rubber Belting. N. J. Car Spring & Rubber Co., Jersey City, N. J.
Extra Quality Leather Belting. Van Riper Mfg. Co., Paterson, N. J.
Extra Quality Loose Leaf Metal Parts. Dawson Manufacturing Co., St. Louis.
Extra Quality Oak Belting. Wm. Etsweiler & Co., Philadelphia, Pa.
Extra Rubber Mats. W. H. Salisbury & Co., Inc., Chicago.
Extra Short Lap Belting. Graton & Knight Mfg. Co., Worcester, Mass.
Extra Special Natural Color Waste. Estes Mills, Fall River, Mass.
Extra Standard Belting. Goodyear Rubber Co., New York.
Extra Steel. McInnes Steel Co., Ltd., Corry, Pa.
Extra Tool Steel, the Best Carbon Steel for General Use. Halcomb Steel Co., Syracuse, N. Y.
Extractor Leather Belting. Andrew Cowan & Co., Inc., Louisville, Ky.
Eye Comfort Lighting. Curtis Lighting, Inc., Chicago.
Eyeosee Oxy-Acetylene Apparatus. International Oxygen Co., New York.
Eyesafe Goggles. Julius King Optical Co., New York.
Eyetects Goggles and Eye Protectors. Strauss & Burgeleisen, Brooklyn, N. Y.
Eynon Gate Regrinding Valves. Eynon-Evans Corp., Philadelphia.
Eynon-Evans Steam Boiler Specialties. Eynon-Evans Corp., Philadelphia, Pa.
Eynon's Milling Cutters. Surerus & Greenhill, Chicago.
Ez-ee Slip Grease. Strong Machinery & Supply Co., New York.
Ezekiel Page Boat Oars. New York Boat Oar Co., New York.
Ezeout Pie and Cake Plates. National Enameling & Stamping Co., New York.
Ezi Needle Threaders. Roeti-Hunt Corp., Putnam, Conn.
Ezo Lubricants. Apex Mfg. Co., Providence, R. I.
Ezola Treads and Mats. Philip Carey Mfg. Co., Cincinnati, O.
Ezonall Shaving Cream. Ezonall Products Co., San Francisco.
Ezycatch Fly Traps. Thompson Co., Red Oak, Ia.
Ezy-Out Screw Extractors. The Cleveland Twist Drill Co., Cleveland, O.
Ezytest Burglar Alarm Window Springs. Manhattan Electrical Supply Co., New York.

F

F Board for Frictions and Pulley Ends. West Virginia Pulp & Paper Co., New York.
F-360 Fine Duck Hydraulic Packing. Goodall Rubber Co., Inc., Philadelphia, Pa.
F. & E. Check Protectors. Hedman Mfg. Co., Chicago.
F. & E. Disinfectant and Evaporators. The C. B. Dolge Co., Westport, Conn.
F. & F. Leather Belting. Fensholt & Fichner, Chicago.
F. & F. Optical Pyrometer. Scientific Materials Co., Pittsburgh, Pa.
F. & G. Heddles. Marburg Brothers, Inc., New York.
F. & J. Disc Harrows. Madison Plow Co., Madison, Wis.
F. & J. Bemis Tobacco Transplanters. Madison Plow Co., Madison, Wis.
F. & J. Open Jacket Gasoline Engines and Pumping Engines. Fuller & Johnson Mfg. Co., Madison, Wis.
F. & L. Leather and Canvas Goods. F. & L. Leather Goods Co., Chicago.
F. & P. Gasoline Lighting Systems. Incandescent Light & Stove Co., Cincinnati.
F. & R. Machinists' Vises. Boker Cutlery & Hardware Co., New York.
F. & R. Vises. Fulton Machine & Vise Co., Lowville, N. Y.
F. & S. Lathe Turrets. Reed-Prentice Co., Worcester, Mass.
F. & W. Drainage Fittings. Central Foundry Co., New York.
F. & W. Electric House Pumps. Flint & Wallings Mfg. Co., Kendallville, Ind.
F. & W. Warm Air Furnaces. Finnigan & Williams, Inc., Portland, Ore.
F. A. Dies. Armstrong Mfg. Co., Bridgeport, Conn.
F. A. Light and Power Switchboards. Frank Adam Electric Co., St. Louis, Mo.
F. A. Switchboards. Frank Adam Electric Co., St. Louis.
F-A-S Burning Brands. F. A. Sackmann, Cleveland.
F-B Loose Leaf Holder. F-B Mfg. Co., New York.
F. B. C. Nut Locks. Keystone Nut Lock Mfg. Co., Pittsburgh, Pa.
F. B. C. Refacing Tools for Pump Valve Seats and Retainers for Pump Valves. Furness Bros. Co., Chicago.
F. B. C. Stay Bolts. Flannery Bolt Co., Pittsburgh.
F. B. C. Welded Flexible Staybolts. Flannery Bolt Co., Pittsburgh, Pa.
F. C. Electric Steel Castings. Farrell-Cheek Steel Foundry Co., Sandusky, Ohio.
F. C. S. Wheels. Griffin Wheel Co., Chicago.
F. C. T. Compositions. Titanium Alloy Mfg. Co., New York.
F E A and B Batteries, Loud Speakers, Tuners. Freed-Eisemann Radio Corp., New York.
F. E. C. Machinery, Tools and Electrical Supplies. Federal Engineering Corp., New York.
F. E. C. Metal and Vehicles. Federal Export Corp., New York.
F-F Battery Charging Apparatus. The France Mfg. Co., Cleveland, O.
F. F. Corn Planting Drills. J. I. Case Plow Works, Racine, Wis.
F-F Fyr-Fyter Fire Extinguishers. The Fyr-Fyter Co., Dayton, O.
F. F. Knife Switches. Geo. Cutter Co., South Bend, Ind.
F.-F. Shock Absorbers. France Mfg. Co., Cleveland.
F. F. F. Boiler Compound and Feed Water Treatment. Paige & Jones Chemical Co., New York.
F-F-P-F Brattice Cloth. Fulton Bag & Cotton Mills, Atlanta, Ga.
F. F. G. Semi Smokeless Powder. King Powder Co., Cincinnati.
F. F. V. Clothes Washing Machines. Richmond Cedar Works, Richmond, Va.
F. H. Siphon Tank Valves. Brown Wales Co., Boston, Mass.
F-I-R-O-L Spark Plug. Atlas Railway Supply Co., Chicago.
F-J Adjustable Reamer. Foster-Johnson Reamer Co., Elkhart, Ind.
F. M. C. Lathes. Flather Mfg. Co., The, Nashua, N. H.
F. P. Curtain Fixture No. 100. Morton Mfg. Company, Chicago.
F. P. Gasoline Lighting Systems. Incandescent Light & Store Co., Cincinnati, O.
F. P. Sargent Gloves. Spencer Glove Co., Waverly, N. Y.
F. P. Sargent Leather Gloves. Detroit Leather Specialty Co., Detroit.
F. R. C. Rubber Heels. The Federal Rubber Co., Cudahy, Wis.
F.-R. Larries. Freeman-Riff Co., Terre Haute, Ind.
F. R. S. C. Forgings and Castings, Engines and Turbines. Fore River Shipbuilding Corp., Quincy, Mass.
F. S. C. Benzaldehyde. Chemical Co. of America, New York.
F. S. F. Friction Board. C. B. Hewitt & Bros., Inc., New York.
F-S Primary and Finishing Paints. Felton, Sibley & Co., Phila., Pa.
F. S. S. Ideal Pumps. Field & Shorb Co., Decatur, Ill.
F. V. Sheet Metal Work. Friedly-Voshardt Co., Chicago.
F. W. D. Trucks. Four Wheel Drive Auto Co., Clintonville, Wis.
Fab Soap Flakes. Colgate & Co., Jersey City, N. J.
Fabco Auto Brakes and Barrel Pumps. F. A. B. Mfg. Co., Oakland, Cal.
Faber Blow-off Valves. B. K. Elliott Co., Pittsburgh, Pa.; Elliott Company, Pittsburgh, Pa.
Fabius Henson Carbons. Edw. E. Cary & Co., New York.
Fabrady Beamers, Twist Drills and Machine Tools, etc. F. A. Brady, New York.
Fabreeka Fabric Belting. Fabreeka Belting Co., Boston, Mass.

Fabrikoid Artificial Leather (Leather Substitute). E. I. du Pont de Nemours & Co., Inc., Fabrikoid Division, Newburgh, N. Y.
Fab-ri-ko-na Wall Coverings. H. B. Wiggins Sons Co., Bloomfield, N. J.
Fabritex Belts and Belting, Web Straps. Charles Bond Co., Philadelphia, Pa.
Fabroil Gears and Pinions. General Electric Co., Schenectady, N. Y.
Factrequipment in Steel. The Mills Co., Cleveland, O.
Factribilt Logging Equipment. The Factribilt Co., Seattle, Wash.
Factriquipment Steel Factory Equipment. Mills Co., Cleveland.
Factrolite Glass. Mississippi Wire Glass Co., New York.
Factrolite Paint. William P. D. Moross, Rossville, Ga.
Faessler Boiler Makers' Tools. J. Faessler Mfg. Co., Moberly, Mo.
Fafnir Ball Bearings. The Fafnir Bearing Co., New Britain, Conn.
Faherty Cylinder Huller Knives. French Oil Mill Mchy. Co., Piqua, O.
Fahnestock Battery Connectors. National Carbon Co., Long Island City, N. Y.
Fahnestock Clips. Fahnestock Electric Co., Long Island City, N. Y.
Fahnestock White Lead. National Lead Co., New York.
Fahnestock Wire Connectors. Fannestock Electric Co., Long Island City, N. Y.
Fahrig Babbitt Metal. Fahrig Metal Co., New York.
Fahrig Bearings Metal. Fahrig Metal Co., New York.
Fahy Permeameters. Herman A. Holz, New York.
Fair Garden Cultivators. Brown-Manly Plow Co., Malta, Ohio.
Fair Oaks Leather Belting. Hartley-Rose Belting Co., Pittsburgh, Pa.
Fair Rail Anti-Creepers. The P. & M. Company, Chicago.
Fairbanks-Morse Air Compressors; Central Station Plants; Platform and Stock Scales; Centrifugal, Circulating and Deep Well Pumps, Dynamos, Light Plants, Motors and Pumps, Feed Mills, Gasoline Engines and Motor Cars, Hoisting Engines, Kerosene and Marine Engines, Motor Cars, Oil Engines, Power Pumps and Engines, R. R. Pumps, Spraying Outfits, Steam Pumps, Steel Towers and Windmills and Working Heads. Fairbanks-Morse & Co., Chicago.
Fairbanks Power Hammers. United Hammer Co., Boston, Mass.
Fairbanks Scales, Trucks and Valves. Fairbanks Co., New York.
Fairbanks Screw Drivers. Cassady Fairbank Mfg. Co., Chicago.
Fairbanks Trucks and Valves. The Fairbanks Co., Chicago.
Fairday Clothes Washing Machines. Fairbanks, Morse & Co., Chicago.
Fairfacts China Bathroom Accessories. Fairfacts Co., Inc., New York.
Fairfax Brushes. Fiberloid Corp., Dept. H, Indian Orchard, Mass.
Fairfax Lavatories. Crane Co., Chicago.
Fairfield Gas Engines and Electric Light Plants. Fairfield Engine Co., Fairfield, Ia.
Fairfield Rubber Coated Cloth. Du Pont Fabrikoid Co., Wilmington, Del.
Fairfield Shower Bath. Sanitas Mfg. Co., Boston.
Fairhurst Air Compressors. American Air Compressor Works, New York.
Fairmont B. & O. Coal. Matthew Addy Co., Cincinnati, O.
Fairmont Box Car Loaders; Steel Mine Tie; Railroad Car Retarder; Runabout Mine Pump; Turtle Back Strainer. Fairmont Mining Machinery Co., Fairmont, W. Va.
Fairmont Gasoline Engines and Tractors. Fairmont Railway Motors, Inc., Fairmont, Minn.
Fairmont Miners' Coal Augers. Fairmont Mining Machinery Co., Fairmont, W. Va.
Fairmont Motor Cars and Engines. Fairmont Gas Engine & Ry. Motor Car Co., Fairmont, Minn.
Fairmount Crushers. Allis Chambers Mfg. Co., Milwaukee, Wis.
Fairmount Miners' Coal Augers and Box Car Loaders. Fairmount Mining Machinery Co., Fairmont, W. Va.
Fairmount Tools. Fairmount Tool & Forging Co., Cleveland.
Fair-Way Tile. Fairway Mfg. Co., Sioux City, Ia.
Fairy Hame Fasteners. Covert Saddlery Works, Interlaken, N. Y.
Fairy Hose Nozzles. Landers, Frary & Clark, Inc., New Britain, Conn. W. D. Allen Mfg. Co., Chicago.
Fairy Ladders. Frizell Ladder Co., Boston.
Fairy Lawn Swings. Challenge Co., Batavia, Ill.
Fairy Nozzles. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Fairy Queen Gas Irons. Central Flatiron Mfg. Co., Johnson City, N. Y.
Fairy Radical Gas Heaters. Lawson Mfg. Co., Homestead, Pa.
Fairy Soap. N. K. Fairbanks Co., Chicago.
Fairy Spray Nozzle. W. D. Allen Mfg. Co., Chicago.
Fairy Velocipedes and Children's Vehicles. Colson Co., Elyria, O.
Falcon Belting. Hercules Rubber & Supply Co., San Francisco, Calif.
Falcon Brand Fir and Western Hemlock Lumber and Red Cedar Shingles. Hoquiam Lumber & Shingle Company, Hoquiam, Wash.
Falcon Chain Pipe and Fittings, Wrenches. J. H. Williams & Co., Brooklyn, N. Y.
Falcon Clip Boards, Desk Files, Rulers, Etc. American Mfg. Concern, Falconer, N. Y.
Falcon Crayons. Standard Crayon Mfg. Co., Danvers, Mass.
Falcon Enamel. The Tropical Paint & Oil Co., Cleveland, O.
Falcon Extra Chisel Steel. Atlas Steel Corp., Dunkirk, N. Y.
Falcon Fire Alarm Signal Boxes. J. H. Brunnell Co., New York.
Falcon Fixture Wrenches. Yost Electric Mfg. Co., Toledo, O.
Falcon Hose. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Falcon Motors. Falcon Motors Trust, St. Louis, Mo.
Falcon Pipe and Fitting's Wrench, Waste Plug Spanners. J. H. Williams & Co., Buffalo, N. Y.
Falcon Waste Plug Spanners. J. H. Williams & Co., Buffalo, N. Y.
Fales Patent Bench Planes. Otis A. Smith, Rockfall, Conn.
Falk Gasoline Engines. Advance-Rumely Co., La Porte, Ind.
Falk Herringbone Cut Gears. Falk Corp., Milwaukee.
Falls Automatic Engine Stop. Jenkins Machine Co., Sheboygan, Wis.
Falls City Axe. Kelly Axe Mfg. Co., Charleston, W. Va.
Falls Friction Clutches. Falls Clutch & Machinery Co., Cuyahoga Falls, Ohio.
Falls Friction Pulley. Falls Rivet & Machinery Co., New York.
Falls Hollow Staybolt Iron. Falls Hollow Staybolt Co., Cuyahoga Falls, O.
Falls Neverslip Rubber Tires. Falls Rubber Co., Cuyahoga Falls, O.
Falls Tar Board. C. B. Hewitt & Bros., Inc., New York.
Falstaff Cotton Hose. W. H. Salisbury & Co., Inc., Chicago.
Family Butchers' Cleavers. Forsyth Metal Goods Co., E. Aurora, N. Y.
Family Favorite Lamp Oil. Waverly Oil Works Co., Pittsburgh, Pa.
Familylite (Texaco) Illuminating Oil. The Texas Company, New York.
Famous Baling Presses. Famous Mfg. Co., East Chicago, Ind.
Famous Blow Pipes. Savannah Blow Pipe Co., Savannah, Ga.
Famous Burton Bob Sleds. Thornburgh Mfg. Co., Bowling Green, O.
Famous Closet Seats. C. F. Church Mfg. Co., Holyoke, Mass.
Famous Copper-Plated Oilers, Torches, Etc. P. Wall Mfg. Supply Co., Pittsburgh, Pa.
Famous Ensilage Feed and Fodder Cutters. Jos. Dick Mfg. Co., Canton, Ohio.
Famous Feed Cutters. Jos. Dick Mfg. Co., Canton, O.
Famous Five Files. The Nicholson File Co., Port Hope, Ont., Can.
Famous Kitchen Knives, Kitchen Sets. American Cutlery Co., Chgo.
Famous Lawn Mowers. F. & N. Lawn Mower Co., Richmond, Ind.
Famous Ladders. Goshen Churn & Ladder Co., Goshen, Ind.
Famous Ohio Cultivators and Beet Pullers. Ohio Cultivator Co., Bellevue, Ohio.
Famous St. Joe Riding and Walking Listers. St. Joseph Plow Co., St. Joseph, Mo.
Famous Universal Wood Working Machines, Saw Filing and Setting Machines. Sidney Machine Tool Co., Sidney, Ohio.
Famous Vegetable Boiler Compound. Famous Sales Co., Chicago.
Famous Woodworking Machinery. Sidney Machine Tool Co., Sidney, O.
Fan Automobile Belts. J. H. Haney & Sons, Omaha, Neb.
Fanco Lubricating Oil. Fannon Co., Inc., J. L., Philadelphia, Pa.
Fancy Parlor Brooms. Deshler Broom Factory, Deshler, Nev.
Fancy Socket Row Locks. Thos. Laughlin Co., Portland, Me.
Fancy Water Columns. Nasons Mfg. Co., New York.
Faneleve Outlet Boxes, Switch Boxes. John L. Gleason, Boston, Mass.
Faneull Lavatories and Fittings. Sanitas Mfg. Co., Boston.
Fanfold Forms. The A. S. Gilman Printing Co., Cleveland, O.
Fanning Lemon Squeezers. J. P. Fanning, Brooklyn, N. Y.
Fansteel Electrical, Steel and Chemical Products. Fansteel Products Co., Inc., North Chicago, Ill.
Faraday Electric Bells; Signal Gongs. Stanley & Patterson, New York.
Faradon Receiving Condensers. Wireless Specialty Apparatus Co., Boston.
Farber Mo Grade Fire Brick. Farber Fire Brick Co., Farber, Mo.
Fargo Ash Receptacle. Fargo Co., Taunton, Mich.
Fargo Spring Tooth Harrows. Genesee Valley Mfg. Co., Mt. Morris, N.Y.
Faries Fixtures. Faries Mfg. Co., Decatur, Ill.
Faries Tube Cleaner. Field & Shorb, Decatur, Ill.
Farley Cocks and Bibbs. Crampton-Farley Brass Co., Kansas City, Mo.
Farley Flue Brushes. J. W. Paxson Co., Philadelphia, Pa.
Farley's Belt Tighteners. Goodell-Pratt Co., Greenfield, Mass.
Farlow Draft Gear. The Symington Co., Rochester, N. Y.
Farm Boy Tool Grinders. B. L. Fry Mfg. Co., St. Louis.
Farm King Hand Forks. Union Fork & Hoe Co., Columbus, Ohio.
Farm King Sulky Plows. Rockford Mfg. Co., Rockford, Ill.
Farm Queen Gang Plows. Rockford Mfg. Co., Rockford, Ill.
Farm Special Tool and Sickle Grinders. Luther Grinder Mfg. Co., Milwaukee, Wis.
Farm and Plantation French Buhr Stone Mills. Nordyke Marmon Co., Indianapolis, Ind.
Farmall Tractors. International Harvester Co. of America, Inc., Chicago.
Farmer Allerton Axle Grease. Warren Lubricant Co., Buffalo, N. Y.
Farmer Testing Machines. Herman A. Holz, New York.
Farmers' Gang Press Wheel Attachments. American Seeding Machine Co., Springfield, Ohio.
Farmers' Root Cutters. Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Farmers' Favorite Fanning Mills. Johnson & Field Mfg. Co., Racine, Wis.
Farmers' Favorite Grain Drills and Rice Planting Drills. American Seeding Machine Co., Springfield, Ohio.
Farmers' Friend Cart Sprayer. Deming Co., Salem, Ohio.
Farmers' Friend Farm Boilers. A. Buch's Sons Co., Elizabethtown, Pa.
Farmers' Friend Fertilizer Distributors. Wirtz & Hernlen, Augusta, Ga.
Farmers' Friend Portable Grain Elevators. Cizek Bros. Mfg. Co., Clutier, Ia.
Farmers' Friend Portable Grain Elevators. G. & D. Mfg. Co., Streator, Ill.
Farmers' Friend Straw Stackers. Indiana Mfg. Co., Indianapolis.
Farmers' Handy Feed Cookers. Empire Mfg. Co., Quincy, Ill.
Farmo Grinders. S. Cheney & Co., Manlius, N. Y.
Farnham Vacuum Rolls. Farnham Mfg. Co., Buffalo, N. Y.
Farnley Iron. Houghton & Richards, Boston.
Farnly "B.Y." Iron. Houghton & Richards Inc., Boston 9, Mass.
Farquhar Agricultural Machinery. A. B. Farquhar & Co., New York.
Farquhar Hot Air Furnaces and Furnace Regulators. Farquhar Furnace Co., Wilmington, Ohio.
Far Quar Heating Systems. Farquhar Furnace Co., Wilmington, O.
Farrar Houses and Garages. Farrar Lumber Co., Dalton, Ga.
Farrell Grapple Forks. Jno. Farrell & Son, Newton, N. J.
Farris Sand Bands. Concord Axle Co., Penacook, N. H.
Farron Valves. Schaeffer & Budenberg Mfg. Co., Brooklyn, N. Y.
Farwell Gear Hobber, Milling Machines. The Adams Co., Dubuque, Ia.
Fasco Racing Bodies for Fords. Fried & Stonier, Peoria, Ill.
Fashunette Manikins. Gallagher Bros., San Francisco.
Fassett Signal Lamps. Dressel Railway Lamp Works, New York.
Fassmacht Wire Bound Boxes. Plymouth Novelty Mfg. Co., Plymouth, Ind.
Fast Flexible Couplings. Barlett Hayward Co., Baltimore, Md.
Fast Mail Double Acting Force Pumps. Flint & Walling Mfg. Co., Kendallville, Ind.
Fast Mail Pumps. Flint & Walling Mfg. Co., Kendallville, Ind.
Fast Runner Ice Creepers. Norlund Mfg. Co., Williamsport, Pa.
Fast-Under Upholstered Chair Seats. United Chair Seat & Novelty Co., Brooklyn, N. Y.
Fastfeed Drills, Reamers. Fastfeed Drill & Tool Corp., Toledo, O. and New York.
Fate Brick and Tile Machinery. The Fate-Root-Heath Company, Plymouth, O.
Faughts Closed Hub Wheels. Lobdell Car Wheel Co., Wilmington, Del.
Faulites Deflecting Automobile Lenses. Madden Glass Co., Aberdeen, S. Dak.
Faultless Aluminum Sheet Holders. Stationers' Loose Leaf Co., Milwaukee, Wis.
Faultless Axes. Romer Axe & Tool Co., Dunkirk, N. Y.
Faultless Bed and Furniture Casters. Faultless Caster Co., Evansville, Ind.
Faultless Blue Rosin Sized Sheathing Paper. Barrett Co., New York.
Faultless Cocks and Bibbs. J. J. Ryan & Co., Chicago.
Faultless Comfort Pipeless Furnaces. Graff Furnace Co., New York.
Faultless Conductor Pipe Hooks. Klauer Mfg. Co., Dubuque, Ia.
Faultless Dial Thermometers. C. J. Tagliabue Mfg. Co., Brooklyn.
Faultless Door Hanger Tracks. The F. E. Myers & Bro., Ashland, O.
Faultless Door Rollers. Lawrence Bros., Sterling, Ill.

Faultless Fly Swatters. Wickwire Spencer Steel Corp., Worcester, Mass.
Faultless Furnaces. Graff Furnace Co., New York.
Faultless Garment Hangers. National Hanger & Fixture Mfg. Co., New York.
Faultless Hay Fork Pulleys, Door Hangers, Barn Door Rails, Pump Stands. F. E. Myers & Bro., Ashland, Ohio.
Faultless Hoes. Union Fork & Hoe Co., Columbus, Ohio.
Faultless Hospital Stretchers, Bedsteads, Medicine Cabinets and Steel Hospital Furniture. H. D. Dougherty & Co., Philadelphia.
Faultless Hot Air Furnaces and Stoves. Graff Furnace Co., New York.
Faultless Insulating Compounds. Candy & Co., Chicago.
Faultless Legs, Pipes, Cocks, Bibbs. J. J. Ryan & Co., Chicago.
Faultless Metal Polish. Hawkeye Oil Co., Waterloo, Ia.
Faultless Oil Filters. Bousman Manufacturing Co., Grand Rapids, Mich.
Faultless Paint and Varnish Remover. Geo. E. Watson Co., Chicago.
Faultless Parting Compounds. Hill & Griffith Co., Cincinnati, O.
Faultless Pen and Pencil Clips. Van Valkenberg Co., L. D., Holyoke, Mass.
Faultless Piston Packing. Mechanical Rubber Co., Cleveland, O.
Faultless Pumps. F. E. Myers & Bro., Ashland, Ohio.
Faultless Ranges. Faultless Iron Works, St. Charles, Ill.
Faultless Reducing Wheels. Trill Indicator Co., Corry, Pa.
Faultless Rubber Sundries, Telephone Cushions, Rubber Cements. Faultless Rubber Co., Ashland, O.
Faultless Sprayers, Pumps, Hay Tools and Door Hangers. The F. E. Myers & Bro., Ashland, O.
Faultless Stay Rolls. Lawrence Bros., Sterling, Ill.
Faultless Steel Doors. Morton Mfg. Company, Chicago.
Faultless Step Ladders. Goshen Mfg. Co., Goshen, Ind.
Faultless Stump Pullers. R. S. Caward, Cresco, Ia.
Faultless Unloaders. F. E. Myers & Bro., Ashland, Ohio.
Faultless Water Closets. Kretschmer Mfg. Co., Dubuque, Ia.
Faultless Yarn Hand Dusters. Universal Brush Co., Freeport, Ill.
Faustone Flat Wall Paint. Phelan-Faust Paint Mfg. Co., St. Louis, Mo.
Favarger Annunciators; Electric Clock Systems; Water Level Recorders; Chronoscopes; Chronographs; Recording Devices. R. W. Cramer & Co., Inc., New York.
Favarit Steel Tray Barrows. J. W. Conner & Son, Orangeville, Pa.
Favorite Alligator Hay Presses. J. A. Spencer, Dwight, Ill.
Favorite Bath Brushes. Standard Brush Co., New Hartford, Conn.
Favorite Belting; Hose; Matting; Sheet Packing. Acme Rubber Mfg. Co., Trenton, N. J.
Favorite Bob Sleds. Sheboygan Coaster & Wagon Wks., Sheboygan, Wis.
Favorite Boiler Scrapers. Stewart Heater Co., Buffalo, N. Y.
Favorite Broom. Western Brush Co., Detroit, Mich.
Favorite Butcher's Twine. Cliver-Wright-Rainey Co., Cincinnati, O
Favorite Cane Mills. Excelsior Foundry Co., Inc., Belleville, Ill.
Favorite Ceiling Hooks. E. Jencks Mfg. Co., Worcester, Mass.
Favorite Chalk and Masons' Lines. Lees Mfg. Co., Westport, Conn.
Favorite Churns. Dobson Mfg. Co., Rockford, Ill.
Favorite Clothes Dryers. Williamson Heater Co., Cincinnati, Ohio.
Favorite Confectioner's Furnace. B. C. Bibb Stove Co., Baltimore, Md.
Favorite Cork Pullers. Arcade Mfg. Co., Freeport, Ill.
Favorite Fire Hydrants. Rumsey & Co., Ltd., Inc., Seneca Falls, N. Y
Favorite Flour Sieves. Fred J. Meyers Mfg. Co., Hamilton, Ohio.
Favorite Flue Blowers, Boiler Cleaners. Sherwood Mfg. Co., Buffalo, N. Y.
Favorite Furnaces. Williamson Heater Co., Cincinnati, O.
Favorite Gang Press Wheel Attachments. American Seeding Mach. Co., Springfield, Ohio.
Favorite Gas Ranges and Stoves. Favorite Stove & Range Co., Piqua, Ohio.
Favorite Glass Cutters. Browne & Dowd Mfg. Co., Meriden, Conn.
Fletcher, Terry Co., Forestville, Conn.
Favorite Improved Tube Cleaners. W. Chesterton Co., Boston.
Favorite Incubators and Brooders. Leahy Mfg. Co., Higginsville, Mo.
Favorite Kerosene Lamp Burners. Edw. Miller & Co., Meriden, Conn.
Favorite Knife and Scissors Grinders and Lawn Mower Sharpeners. Fate-Root-Heath Co., Plymouth, Ohio.
Favorite Overhead Cut-Off Saws. J. W. Conner & Son, Orangeville, Pa.
Favorite Packings. American Steam Packing Co., Boston, Mass.
Favorite Pincers. Champion Tool Co., Meadville, Pa.
Favorite Ratchet Wrench. Greene, Tweed & Co., New York.
Favorite Screw Plates. S. W. Card Mfg. Co., (Div. of Union Twist Drill Co.), Mansfield, Mass.
Favorite Spray Pumps and Valve Grinders. New Favorite Mfg. Co., Columbus, Ohio.
Favorite Stove Lid Lifters. Grey Iron Casting Co., Mt. Joy, Pa.
Favorite Stoves. Pittston Stove Co., Pittston, Pa.
Favorite Tank Heaters. Challenge Co., Batavia, Ill.
Favorite Tank Pumps. Barnes Mfg. Co., Mansfield, O.
Favorite Threshers. J. W. Connor & Son, Orangeville, Pa.
Favorite Thumb Tacks. Keuffel & Esser Co., Hoboken, N. J.
Favorite Trowels. Marshalltown Trowel Co., Marshalltown, Ia.
Favorite Tube Scrapers. Stewart Heater Co., N. Tonawanda, N. Y.
Favorite Weekly Calendars. Defiance Mfg. Co., New York.
Fawcus Cut Glass and Special Mach. Fawcus Mach. Co., Pittsburgh.
Fawcus Herringbone Gears. Fawcus Machine Co., Pittsburgh, Pa.
Fawsco Spark Plugs, Auto Fuses and Steel Socket Wrenches. J. H. Faw, Inc., New York.
Fay Automatic Lathe. Jones & Lamson Machine Co., Springfield, Vt.
Fay Calipers and Dividers. L. S. Starrett Co., Athol, Mass.
Fay Corn Cutting Machines and Engine Lathes and Screw Machines. Jones & Lamson Mach. Co., Springfield, Vt.
Fay-Egan Engine Lathes. J. A. Fay & Egan Co., Cincinnati, O.
Fayetteville Pails. Fayetteville Woodenware Co., Fayetteville, N. C.
Fay's Scroll Saws. Henry Disston & Sons, Philadelphia.
Fearless Extra High Speed Steel. Hobson, Houghton & Co., Ltd., New York.
Fearless Manure Spreaders. Harder Mfg. Co., Cobleskill, N. Y.; Walter A. Wood, Hoosick Falls, N. Y.
Fearless Ranges. Faultless Iron Works, St. Charles, Ill.
Feasible Drop Brake Staff. U. S. Metal & Mfg. Co., New York.
Feather Valve Compressors. Worthington Pump & Machinery Corp., New York.
Featherbone Whips. Featherbone Whip Co., Westfield, Mass.
Featheredge Sponge Rubber. Featheredge Rubber Co., Chicago.
Featherlight Metallic Packing. Strong Machinery & Supply Co., New York.
Featherlite Metallic Packing. Strong Machinery & Supply Co., New York.
Featherweight Card Tables. E. T. Burrowes Co., Portland, Me.
Featherweight Eye Shades. Featherweight Eyeshade Co., Merchantville, N. J.
Featherweight Flexible Rulers. Westcott-Jewell Co., Seneca Falls, N. Y.
Featherweight Hose. Diamond Rubber Co., Inc., Akron, O.
Featherweight Ice Creepers. J. M. Warren & Co., Troy, N. Y.
Febrisco Steel Sash. Federal Steel Sash Co., Waukesha, Wis.; North Western Expanded Metal Co., Chicago.
Fedco Electrical Porcelain. The Federal Porcelain Co., Carey, O.
Fedders Auto Radiators. Fedders Mfg. Co., Inc., Buffalo, N. Y.
Federal Adding Machines. Federal Adding Machine Corp., New York.
Federal Addressing Machines; Flexible Typewriter Stencils. Federal Addressing Machine Corp., Buffalo, N. Y.
Federal Armored Conductors. Federal Armored Cable Co., New York.
Federal Belting. Voorhees Rubber Mfg. Co., Jersey City, N. J.
Federal Boiler Compounds. Federal Graphite Mills, Cleveland, O.
Federal Boiler Graphite. Federal Graphite Mills, Cleveland, O.
Federal Brass Gate Valves. Walworth Mfg. Co., Boston, Mass.
Federal Bronze Bushings, Bearings, Castings, Bars. Federal Brass Works, Detroit, Mich.
Federal Cement Roofing Tile—"The Indestructible Roof." Federal Cement Tile Co., Chicago.
Federal Combination Jolt and Squeeze Machine. The Federal Foundry Supply Co., Cleveland, O.
Federal Concrete Hardeners. Federal Steel Cement Mills, Cleveland.
Federal Double-Cable-Base Tires. Federal Rubber Co., Cudahy, Wis.
Federal Drill and Tool Steel. Federal Tool & Alloy Steel Corp., Brooklyn, N. Y.
Federal Dry Core Binders. Federal Foundry Supply Co., Cleveland, O.
Federal Dustless Ash Sifter Cans and Damper Clips. Federal Stamping Co., Holland, Mich.
Federal Elastic Cement Roofing. Milwaukee Corrugating Co., Milwaukee, Wis.
Federal Electric Welding Machines. Federal Machine & Welder Co., Warren, Ohio.
Federal Emery Wheel Dresses and Cutters. Federal Machine Products Co., Detroit.
Federal Fitters. Wm. M. Deutsch, New York.
Federal Folding Clothes Racks. Cassady Fairbank Mfg. Co., Chgo.
Federal Gasoila Pipe Cements and Varnishes. Federal Process Co., Cleveland, Ohio.
Federal Hand Stoker. Cokal Stoker Corp., Chicago.
Federal Hose. Voorhees Rubber Mfg. Co., Jersey City, N. J.
Federal Incandescent Lamps. Federal Miniature Lamp Division Nat'l Lamp Works of G. E. Co., Chicago.
Federal Incandescent Lamps. General Electric Co., Schenectady, N. Y.
Federal Lime and Plaster. Federal Lime and Stone Co., Cleveland, O.
Federal Lubricator. Federal Graphite Mills, Cleveland, O.
Federal Mazda Auto Lamps. Federal Miniature Lamp Division National Lamp Works of General Electric Co., Chicago.
Federal Mercoid Controls. The Federal Gauge Co., Chicago.
Federal Metal Weatherstrips. Federal Metal Weather Strip Co., Chgo.
Federal Metallic Lockers. Federal Steel Fixture Co., Chicago.
F-e-d-e-r-a-l Motor Trucks. Federal Motor Truck Co., Detroit.
Federal Packing and Steam Hose. Voorhees Rubber Mfg. Co., Jersey City, N. J.
Federal Pattern Drawing Device. The Federal Foundry Supply Co., Cleveland, O.
Federal Plow Clevises. Federal Malleable Co., West Allis, Wis.
Federal Punches, Bench Shears, Wire Straightening Machines, Rod and Wire Cutters. Chandler & Farquhar Co., Boston.
Federal Receivers and Amplifiers, Receiving Condensers, etc. Federal Tel. & Tel. Co., Buffalo, N. Y.
Federal "Rugged" Rubber Heels. The Federal Rubber Co., Cudahy, Wis.
Federal Sirens. Federal Electric Co., Chicago.
Federal Steel Lockers, Shelving and Racks. **Federal Steel Fixture** Co., Chicago.
Federal Telephone Systems. Federal Telephone & Telegraph Co., Buffalo, N. Y.
Federal Test Gauges. Federal Products Corp., Providence, R. I.
Federal Topping, Enamel, Marine Paints. The Federal Composition & Paint Co., Ltd., New York.
Federal Warranted Gauges. The Federal Gauge Co., Chicago.
Federal Washing Machines, Sirens, Electric Lanterns, Vacuum Cleaners and Renewable Fuses. Federal Electric Co., Chicago.
Federal Water Filters. Loomis-Manning Filter Distributing Co., Phila.
Federal Welders. Federal Machine & Welder Co., Warren, Ohio.
Federalite Metallic Packing. Federal Metallic Packing Co., Boston, Mass.
Fedro Porcelain Cleats. Federal Porcelain Co., Carey, Ohio.
Feeny Mule-Back Dusters, Hand Dusters. Feeny Mfg. Co., Muncie, Ind.
Fehy Hose Couplings. Elkhart Brass Mfg. Co., Elkhart, Ind.
Feist Self-Lubricating Hinges; Trolley Wheels and Harps. Dayton Mfg. Co., Dayton, O.
Feist Trolley Harps. Electrical Material Co., Chicago.
Felding Flush Plugs. H. T. Paiste Co., Philadelphia.
Feldstone Flooring and Stucco. Hawkey Feldstone Co., Spokane, Wash.
Fellows Gear Shaper Cutter; Gear Cutters. Fellows Gear Shaper Co., Springfield, Vt.
Fellsen Pneumatic Tires. Felsen Tire Co., New York.
Felpack Felt Packings. Felt Products Mfg. Co., Chicago.
Fel-Pro-Cork Gaskets and Washers; Felt Gaskets, Packing Strips and Washers, Weatherstrips. Felt Products Mfg. Co., Chicago.
Fels-Naptha Soap. Fels & Co., Philadelphia, Pa.
Felspar Roofing. Stowell Mfg. Co., Jersey City, N. J.
Feltex Felt Floor Covering. Geo. W. Blabon Co., Philadelphia.
Feltex Mattresses. John Hoey & Co., San Francisco.
Feltey Saturated Felts. Philip Carey Mfg. Co., Philadelphia.
Felthousen Gauge Cocks. Sherwood Mfg. Co., Buffalo, N. Y.
Felthousen Oil Pump Lubricators and Ball Gauge Cocks. Sherwood Mfg. Co., Buffalo, N. Y.
Feltlino Insulation. Union Fibre Co., Winona, Minn.
Feltoid Casters. Bassick Co., The, Bridgeport, Conn.
Feltons Coupling and Sewer Rods. Waldo Brothers & Bond Co., Boston, Mass.
Fema Closet Seats. Haines, Jones & Cadbury Co., Philadelphia, Pa.
Fembro Spray Nozzles. F. E. Myers & Bro., Ashland, O.
Femco Bath and Basin Traps and Waste. Frost Mfg. Co., Kenosha, Wis.
Femco Carbon Lamps. Franklin Electric Mfg. Co., Hartford, Conn.
Femco Traps. The Frost Mfg. Co., Kenosha, Wis.
Femi-Lithic Reinforcing Plates. Berger Mfg. Co., Canton, O.
Fenden Lawn Mowers. F. & N. Lawn Mower Co., Richmond, Ind.
Fenestra Rolled Steel Window Frame. Detroit Steel Products Co., Detroit, Mich.

Fenix Copper Heat Resistance Wire for Railway Induction Motor Winding. General Electric Co., Shenectady, N. Y.
Fenn Gear Cutter Grinders, Bench Drilling Machines. Fenn Mfg. Co., Hartford, Conn.
Fenn Rotary Ventilators. Fenn Ventilator Co., Boston.
Fenning Time Switches. L. T. Fenning, Jackson, O.
Fenn's Friction Tapping Machines. Fenn Mfg. Co., Hartford, Conn.
Fenn's Post Hole Augers. Fenn Mfg. Co., Charlotte, Mich.
Fenn's Rotary Ventilator. Fenn Ventilator Co., Boston, Mass.
Feno Insect Liquid. Enoz Chemical Co., Chicago.
Fenton Labels and Seals. Fenton Label Co., Philadelphia, Pa.
Feps Carburetors. Schoen-Jackson Co., Media, Pa.
Feralun Safety Stair Treads, Brake Shoes, Etc. American Abrasive Metals Co., New York.
Feratite Cement. Johns-Manville, Inc., New York.
Ferguson Gasoline Engines. Ferguson Mfg. Co., Waterloo, Ia.
Ferguson Locomotive Fire Kindler and Flue Welding, Forging and Roll Tempering Furnaces. Railway Materials Co., Chicago.
Ferguson Rain Gauges. International Instrument Co., Cambridge, Mass.
Ferguson Snatch Blocks. Pittsburgh Block & Mfg. Co., Pittsburgh, Pa
Ferguson Steam Superheaters. W. K. Mitchell & Co., Philadelphia, Pa.
Ferguson Tackle Blocks. Pittsburgh Block & Mfg. Co., Pittsburgh.
Ferguson Tanks. Ferguson Mfg. Co., Dubuque, Ia.
Ferguson Tube Expanders. A. L. Henderers' Sons, Wilmington, Del.
Fern Muslin Cotton Sheetings. B. B. & R. Knight, Inc., Providence, R. I.
Fernald Trace and Dash Holders, Steel Anti-Rattlers and Dust Pans. Fernald Mfg. Co., North East, Pa.
Fernholtz Clay and Briquette Machinery. Fernholtz Machinery Co., Los Angeles, Cal.
Ferroleum Shingle Stains. A. Wilhelm Co., Reading, Pa.
Fero Nickel Wire. Driver-Harris Wire Co., Harrison, N. J.
Ferotite Cement. Johns-Manville, Incorporated, New York.
Ferox Iron Oxide Paints. Hammond Process Co., Norwich, Conn.
Ferracute Forming, Cutting and Drawing Presses. Ferracute Machine Co., Bridgeton, N. J.
Ferracute Presses. Ferracute Machine Co., Bridgeton, N. J.
Ferrall's Cargo Hoisters. Boston and Lockport Block Co., East Boston, Mass.
Ferraris Ball and Pebble Mills. J. H. Day & Co., Cincinnati, O.
Ferren Can Openers. Goodell Co., Antrim, N. H.
Ferrenewo Check, Globe, Angle, and Cross Valves. The Lunkenheimer Co., Cincinnati, O.
Ferret Automobile Wrenches. Pedersen Mfg. Co., New York.
Ferri Tex Leak Proofer. Truscon Laboratories, Detroit, Mich.
Ferris Brushes. John Ferris, Jr., Albany, N. Y.
Ferrite Yellows (Oxides of Iron). Binney & Smith Co., New York.
Ferro Alloys, Metals and Ores. Geo G. Blackwell, Sons & Co., Ltd., Liverpool, England.
Ferro Auto Locks and Hardware. Ferro Stamping Mfg. Co., Detroit, Mich.
Ferro Carbon-Titanium. Titanium Alloy Mfg. Co., Niagara Falls, N. Y.
Ferro Case Hardening Compounds. C. G. Buchanan Chemical Co., Cincinnati, O.
Ferro-Clarite Foundry Flux. Basic Mineral Co., Pittsburgh.
Ferro Compounds. Johns-Manville, Incorporated, New York.
Ferro Flux. Oxweld Acetylene Co., Long Island City, N. Y.; Chicago; San Francisco, Cal.
Ferro Globe Angle and Cross Valves. The Kelly & Jones Co., Greensburg, Pa.
Ferro Grease Cups. The Lunkenheimer Co., Cincinnati, O.
Ferro Iron Cements. Johns-Manville, Inc., New York.
Ferro Keep Rust Inhibitive Paint. E. I. du Pont de Nemours & Co., Inc., Paint & Varnish Dept., Philadelphia.
Ferro-Keep Rust-Inhibitive Paint. E. I. du Pont de Nemours & Co. Inc., Paint and Varnish Dept., Philadelphia, Pa.; Chicago Varnish Works, Chicago.
Ferro-Lithic. The Berger Mfg. Co., Canton, O.
Ferro-Tite Waterproofing. Contract Waterproofing Co., Inc., St Louis, Mo.
Ferro-Uranium Alloys. Standard Alloys Co., Pittsburgh, Pa
Ferro V-Type Motors. The Ferro Machine & Foundry Co., Cleve., O.
Ferrocal Heat Treating Wire Baskets. C. O. Jelliff Mfg. Corp., Southport, Conn.
Ferrodense Semi-Steel Castings. Raleigh Iron Works Co., Raleigh, N. Y.
Ferroinclave Concrete Reinforcing Materials. Brown Hoisting Machy. Co., Cleveland.
Ferroline Waterproofing Preparation. Julian Strzyczkowski, N. Y.
Ferrolineum Paint Pigment. Ferrolineum Co., New York.
Ferrolithic Concrete Reinforcing Materials. Berger Mfg. Co., Canton, O.
Ferrolyte Engine Pistons. Perfection Auto Parts Co., Cleveland.
Ferrostat Vacuum Bottles. Stanley Insulating Co., Barrington, Mass.
Ferrox Burner and Drill Resisting Vault Plates. American Abrasive Metals Co., New York.
Ferrubron Anti-Rust Metal Paint. Ferrubron Metal Paint Co., Milwaukee, Wis.
Ferry Sheet Metal Works. San Francisco.
Fer-Sul Disinfectants. Westmoreland Chemical & Color Co., Westmoreland, Philadelphia.
Fertilore Soil Stimulant. Fertilore Products Syndicate, San Francisco.
Fery Radiation Pyrometers. Taylor Instrument Cos. Rochester, N. Y.
Fetta Filtering and Purifying Plants and Water Softening Apparatus. Richmond Water Softener Co., Richmond, Ind.
Fetter's Sardine Scissors. C. S. Osborne & Co., Newark, N. J.
Fetzer Harrows, Drills, Grass Seeders, Potato Planters, Plows, Seeders and Sowers. Fetzer & Co., Springfield, Ill.
Fewing's Car and Engine Replacers. The Q. & C. Co., New York.
Fiat Automobile. Fiat, New York.
Fiat Rubber Cement. Fiat Specialties Co., New York.
Fiberclad Wire Rope. Waterbury Company, New York.
Fiberite Packing. A. W. Chesterton Co., Boston.
Fiberite Packing Mfrs. Dominion Asbestos & Rub. Corp., New York.
Fiberlic Wall Boards. MacAndrews & Forbes Co., New York.
Fibertite High Pressure Packings. Plant Rubber & Supply Co., San Francisco.
Fiberstok Envelopes, Folders, File Pockets, Etc. National Fiberstok Envelope Co., Philadelphia, Pa.
Fibo Asbestos Brake Lining and Sheet Packing. Asbestos Fibre Spinning Co., North Wales, Pa.
Fibrata Water Coolers. Cordley & Hayes, New York.
Fibertan Packing. Penna. Petroleum & Supply Co., Philadelphia.
Fibre Hyde Romid Belt Lacing. Geo. W. Southwick Co., Stamford, Conn.
Fibrebestos Packing. Akron Metallic Gasket Co., Akron, O.
Fibre-Clad Weatherproof Wire. Peerless Insulated Wire & Cable Co., New York.
Fibreco Lubricating Greases. Fiske Bros. Refining Co., New York.
Fibreco Tow, Mineral Wool, Flax Insulation, Etc. Union Fibre Co., Inc., Winona, Minn.
Fibrecoating Asphalt and Asbestos Roofing. Phillio Carey Mfg. Co., Cincinnati, O.
Fibrecote (Magnesite) Stucco Waterproof, Crackproof, Permanent. Cheney & Co., Inc., New York.
Fibrecrete Nailing Concrete. Builders Material Supply Co., Inc., New York.
Fibreflax Cordage and Twine. American Mills Co., Atlanta, Ga.
Fibregraphite Commutator Brushes. Fibre Graphite Brush Service, Philadelphia, Pa.
Fibrerock Roof Coating. Philip Carey Mfg. Co., Cincinnati, O.
Fibrex Tree Wire. Simplex Wire & Cable Co., Boston.
Fibrine Insulating Washers. Union Fibre Co., Winona, Minn.
Fibro Closet Seats. Columbus Brass Co., Columbus, O.
Fibro-Metallic Asbestos Packing. General Asbestos & Rubber Co., Charleston, S. C.
Fibroc Insulation, Gear Blanks, Washers, Waterproofing Materials. Fibroc Insulation Co., Valparaiso, Ind.
Fibroc Waterproof and Insulating Products. Fibroc Insulation Co., Valparaiso, Ind.
Fibrofelt Insulating Board. Union Fibre Co., Inc., Winona, Minn.
Fibroseal Varnish. Commonwealth Varnish Co., Chicago.
Fibrotex Leak Proofer. Truscon Laboratories, Detroit, Mich.
Fibrotta Fibre Pails and Cuspidors. Fibre Corp., Lockport, N. Y.
Fibrotta Indurated Fibre Ware. Cordley & Hayes, New York.
Fibrotte Insulating Fibre. United Indurater Fibre Co., Lockport, N. Y.
Fidelity Cotton and Wool Waste. J. Hilton Hagy Waste Wks., Phila.
Fidelity Hose. Cincinnati Rubber Mfg. Co., Cincinnati, O.
Fidelity Onion Skin Paper. Esleeck Mfg. Co., Turners Falls, Mass.
Fidelity Rubber Hose and Packing. National India Rubber Co., Bristol, R. I.
Fidelity Rubber Packing and Air Hose. Cincinnati Rubber Mfg. Co., Cincinnati, O.
Fidelity Steam Traps. Monash-Younker Co., Chicago.
Fiebing Metal Polish. Fiebing Chemical Co., Milwaukee, Wis.
Field Gasoline Engines. Hummer Engine Works, Jackson, Mich.; Field-Brundage Engine Works, Jackson, Mich.
Field Tower Excavators. Clyde Iron Works, Duluth, Minn.
Fieldco Leather Gaskets, Flexible and Fibre Packing Felt, Fibre Lead and Leather, Paper, Plumbers. R. B. Field & Co., Worcester, Mass.
Fielding Junction Boxes, Stage and Receptacle Plugs. Stanley & Patterson, New York.
Fielding Receptacles and Flushing Plugs. Hart & Hegeman Mfg. Co., Hartford, Conn.
Fielding Receptacles and Flushing Valves. H. T. Paiste Co., Phila.
Fife Roof Flashing. Canton Supply Co., Canton, O.
Fifty-Fifty Leather Belting. Ulmer Leather Co., Norwich, Conn.
Figurator Adding Machine. Ray Adding Machine Co., New York.
Filds Tomato Pulp Cookers. U. S. Bottlers' Machy. Co., Chicago.
File-Aide. General Machine Works, York, Pa.
File 'Em Quick Skate Sharpeners. Osborn Mfg. Co., Cleveland.
Fileine Cutting Oils. E. F. Houghton & Co., Philadelphia.
Files Hand Stokers. Files Engineering Co., Inc., Providence, R. I.
Fill In Iron and Steel Cement. J. W. Paxson Co., Philadelphia, Pa.
Fill-It Iron and Steel Filler and Pipe Joint Cements. Doggett Stanley, New York.
Filler Rail Brick. The Nelsonville Brick Co., Nelsonville, O.
Fillerette Carriage Filler. R. F. Johnston Paint Co., Cincinnati, O.
Filmolens Automobile Lamp Lenses. Filmolens Sales Co., Detroit, Mich.
Filometer Tank Filling Device. Apex Electric Mfg. Co., Chicago.
Filsmith Engine Lathes. Phillip Smith Mfg. Co., Sidney, O.
Fil-Tite Putty Powder. F. W. Thurston Co., Chicago.
Filtros Filter Plates. General Filtration Co., Inc., Rochester, N. Y.
Finance Lubricating Oils. True's Oil Co., Spokane, Wash.
Finback Drinking Cups. Cutter Tower Co., Inc., New York. N. Y.
Finermade Quality Upholstered Furniture. Murdock & Wilcox, Los Angeles.
Finesco Lime. The Finesco Co., Cleveland, O.
Finest Maple and Beech Flooring. W. D. Young & Co., Bay City, Mich.
Finlayson Wire Rope Tramways. McFarland Mfg. Co., Denver, Colo.
Finnell Scrubbing Machines and Wax Polishers; Mop Trucks. American Scrubbing Equipment Sales Co., Hannibal, Mo.
Finney Safety Razors. H. C. Hart Mfg. Co., Unionville, Conn.
FiNol Lubricant. Standard Oil Co., Chicago.
Finola "Scouring Powder." American Scrubbing Equipment Co., Hannibal, Mo.
Fipax Corrugated Boxes. Fibre Package Co., Detroit, Mich.
Firco Receivers and Amplifiers. Firth & Co., New York.
Fire Department Extinguishers. Rex Fire Extinguisher Co., New York.
Fire Felt Insulation. Johns-Manville, Incorporated, New York
Fire Felt Locomotive Lagging. Johns-Manville, Inc., New York.
Fire Fly Extinguishers. Northwestern Chemical Co., Marietta, O.
Fire-Fly Storage Batteries. Hoosier Storage Battery Co., Evansville, Ind.
Fire Foe Fireproof Paints. Price Fire & Waterproofing Co., Poughkeepsie, N. Y.
Fire-Gun Extinguishers. Fire-Gun Mfg. Co., Inc., New York; Foamite-Childs Corp., Utica, N. Y.
Fire-Hat Metal Polishes. Grady Mfg. Co., Long Island City, N. Y.
Fire King Fire Extinguishers and Hose. Henry K. Barnes Co., Boston.
Fire King Gas Stove. A. Weiskittel & Sons Co., Baltimore, Md.
Fire King Hose Nozzles. Sieben Chemical Spraying Nozzle Co., Kansas City, Mo.
Fire Line Valves. Jenkins Bros., New York.
Fire Pot Batteries. A. H. Berry, New York.
Fire-wall Steel Filing Cabinets. Yawman & Erbe Mfg. Co., Rochester, N. Y.
Fire-Wall Steel Shelving. Yawman & Erbe Mfg. Co., Rochester, N. Y.
Fire Warden Fire Extinguishers. Knight & Thomas, Boston.
Firearms Pet Hose Nozzles. Elkhart Brass Mfg. Co., Elkhart, Ind.
Firebond High Temperature Cement. Harbison-Walker Refractories Co., Pittsburgh, Pa.
Firefite Hose. Quaker City Rubber Co., Philadelphia, Pa.
Firefly Garden Weeders and Steering Sleds. S. L. Allen & Co., Phila.
Firefoam Fire Extinguishers. Foamite-Childs Corp., Utica, N. Y.
Fireite Furnace Cement. Johns-Manville, Incorporated, New York.
Fireless Cooker Range. Acetylene Stove Mfg. Co., Cleveland, O.
Fireman's Favorite Tube Cleaners. W. Chesterton Co., Boston.
Fireside Cobblers' Outfit. Fate-Root-Heath Co., Plymouth, O.
Firestone Tires. Firestone Tire & Rubber Co., Akron, O.
Firex Dry Paints. Abraham White, San Francisco, Cal.
Firma High Pressure Gauge Glass. Advance Packing & Supply Co., Chicago.

Firmtread Steel Floor Plates and Treads. Joseph T. Ryerson & Son, Chicago.
Firmus Hot Die Steel. Hammond Steel Co., Inc., Syracuse, N. Y.
Firo Fire Hose. Gustin-Bacon Mfg. Co., Kansas City, Mo.
Firo High Pressure Square Packing. New York Belting & Packing Co., New York.
Firo Superheat Sheet Packing. New York Belting & Packing Co., New York.
First Choice Leather Belting. Meier Andres Belting Co., Newark, N. J
First Kitchen Cabinets. Faultless Iron Works, St. Charles, Ill.
First National Cutlery. Abraham M. Malouf, Salt Lake City, Utah.
Firth-Sterling Special Steel. Firth-Sterling Steel Co., McKeesport, Pa.
Firth Sterling Stainless Steel. Firth Sterling Steel Co., McKeesport, Pa.
Fischer Pianos. J. & C. Fischer, New York.
Fischer Profile Grinding Machines. Fischer Machine Co., Pitts, Pa.
Fischer's Double Box Blocker Machines. Fischer Mach. Wks., Chicago.
Fisco Valves and Steam Heating Apparatus. Fisher Governor Co., Marshalltown, Ia.
Fish Oven Builders. Fish Rotary Oven Co., Walworth, Mass.
Fish Waterproof Belting. Ulmer Leather Co., Norwich, Conn.
Fishack Plaster. American Cement Plaster Co., Buffalo, N. Y.
Fisher Anvils and Vises. Fisher & Norris, Trenton, N. J.
Fisher Automatic Ventilators. Martin Fisher & Sons, Buffalo, N. Y.
Fisher Benches, Vises, Parallel Anvils, Pipe Vises. Fisher & Norris Trenton, N. J. Eagle Anvil Works, Trenton, N. J.
Fisher Leather Belting. Fisher Leather Belting Co., Inc., Phila, Pa.
Fisher Pump Governors. Fisher Governor Co., Marshalltown, Ia.
Fisher Thermometers. Eimer & Amend, New York.
Fisher Automatic Ventilators. Martin Fisher & Sons, Buffalo, N. Y.
Fisher Vises. "Eagle" Anvil Works, Fisher & Norris, Trenton, N. J.
Fisher's Heavy Duty Roller Bearing Mine Car Wheels. Fisher Mine Equipment Co., West Newton, Pa.
Fisk Mill Soaps. American Textile Soap Co., Springfield, Mass.
Fisk Tires. Fisk Tire Co., Inc., The, Chicopee Falls, Mass.
Fisklock Brick. Fiske & Co., Inc., Boston 9, Mass.
Fisklock Front Brick. Fiske & Co., Boston.
Fiske's Oils and Greases. Fiske Bros. Ref. Co., New York.
Fitall Pipe Hanger Straps. Consolidated Steel Strapping Co., Chicago.
Fitall Shoe Trees and Stretchers. A. R. Anderson & Co., Arlington, N. J.
Fitch Check Holders. A. B. Fitch, Chicago.
Fitch China Kilns. Stearns, Fitch & Co., Springfield, O.
Fitch's Non-Trackable Floor Brushes. Fitch Dustdown Co., Cincinnati, O.
Fitchburg Engines. Fitchburg Steam Engine Co., Fitchburg, Mass.
Fitchburg Files. Simonds Saw & Steel Co., Fitchburg, Mass.
Fitchburg Plain Cylindrical Grinding Machines. Fitchburg Grinding Machine Co., Fitchburg, Mass.
Fitchburg Stop and Waste Cocks. Hamlin & Emery Brass Co., Boston.
Fitchburg Universal Grinders. Fitchburg Grinder Co., Fitchburg, Mass.
Fitchburg Waste Cocks. Hamlin & Emery Brass Co., Boston, Mass.
Fit It Asbestos Cement. W. H. Colebrook's Sons, Syracuse, N. Y.
Fitler Cordage and Twine. Edwin H. Fitler, Philadelphia.
Fitsall Hose Clamps. Wolverine Brass Wks., Grand Rapids. Mich.
Fits-Em-All Pipe Rests. Blake Specialty Co., Dept. H, Rock Island, Ill.
Fitz-Em-All Rubber Rings. Smalley, Kivlan & Onthank, Boston.
Fitstite Barn Door Hardware. Richards-Wilcox Mfg. Co., Aurora, Ill
Fits-Well Goggles. Chicago Eye Shield Co., Chicago.
Fitts' Steel Center Push Broom. Frank E. Fitts Mfg. & Supply Co., Boston, Mass.
Fit Well Dowels, etc. Cleveland Galvanizing Wks. Co., Cleveland, O.
Fitzgerald Prepared Plaster. United States Gypsum Co., Chicago.
Fitzhenry-Guptil Spraying Machines. Fitzhenry-Guptil Co., Cambridge, Mass.
Fitzsimmons Cold Drawn, Cold Rolled Steel and Screw Stock Steel. Wetherell Bros. Co., Cambridge, Mass.
Five Electric Vacuum Cleaners. Hurley Machine Co., Cicero, Ill.
501 Asbestos Sheets. Smyth Rubber & Packing Co., Jersey City, N. J.
585 Rubber Hose. W. H. Salisbury & Co., Chicago.
Five-In-One Mops. Five-In-One Mfg. Co., Inc., Worcester, Mass.
Five In One Spring Exerciser. Peerless Exerciser Co., Brooklyn, N. Y.
Five-Minute-Cure Tire Cements. American Tire & Rubber Co., Akron, Ohio.
5 Ring 55, 6 Ring 66, 7 Ring 77, 7 Ring 80 Oil Storage Tanks. HORTONSPHERE. Chicago Bridge & Iron Works, Chicago.
Fix-All Cement. Harrison Supply Co., Boston.
Fixall Varnish Stains. Louisville Varnish Co., Louisville, Ky.
Fixed Nozzle Boiler Injectors. Rue Mfg. Co., Philadelphia, Pa.
Fixit Roof Cement. The National Roofing Co., Tonawanda, N. Y.
Fix U Car Finish. Standard Varnish Works, Chicago.
Flab Tool Steel. A. Milne & Co., New York.
Flag Padlocks. Fraim-Slaymaker Hardware Co., Inc., Lancaster, Pa.
Flagg's Bonded Ink. The Flagg Ink Co., New York.
Flake Mica Lubricants. U. S. Mica Mfg. Co., Forest Park, Ill.
Flame Brand High Temperature Cements. King Refractories Co., Inc., Buffalo, N. Y.
Flame Weld Rail Bonds. American Steel & Wire Co., Chicago.
Flameblast Gas Electric Blow Torches. North American Mfg. Co., Cleveland, Ohio.
Flamor Flaming Arc Lamps. Chas. Hagstedt, New York.
Flanders Electric Automobile Horns. Flanders Co., Detroit.
Flanders Fruit Jar Racks. Hamblin & Russell Mfg. Co., Worcester, Mass.
Flangetite Flexible Fibre Sheet Packing. Darcoid Co., New York.
Flannery Button Head Stays; Crown Stays; Rigid Stays; Tell-Tale Flexible Bolts; Grease Cups. Flannery Bolt Co., Pittsburgh, Pa.
Flash Cafo Cear Insecticides. Flash Chemical Co., Cambridge, Mass.
Flash Creothol Disinfectants. Flash Chemical Co., Cambridge, Mass.
Flash Hard Water Hand Pumice Soap. Flash Chemical Co., Boston.
Flash Roof Flanges. Prier Brass Mfg. Co., Kansas City, Mo.
Flash Silver Polish and Antiseptic Hand and Liquid Cleaner Soap and Aluminum Cleanser. Flash Chemical Co., Cambridge, Mass.
Flash Vegetol Automobile Oil Soap. Flash Chemical Co., Cambridge, Mass.
Flashlight Electric Alarm Clocks. Darche Mfg. Co., Chicago.
Flatgloss Doublekote White. James B. Sipe & Co., Bridgeport, Pa.
Flat O'Roll Toilet Paper Holders. S. J. Bens Mfg. Corp., Herkimer, N. Y.
Flather Engine Lathes. Flather & Co., Inc., Nashua, N. H.
Flather Gear Cutting Machine and Gear Cutters. The Flather Mfg. Co., Nashua, N. H.
Flather Gear Lathe. Flather & Co., Inc., Nashua, N. H.
Flatroll Belt Conveyor Idlers. Link-Belt Co., Chicago, Indianapolis, Philadelphia.
Flattine Wall Finish. Standard Varnish Co., New York.
Flaxine Prepared Roofing. Pioneer Paper Co., Los Angeles, Cal.
Flaxlinum Insulation Deadening Felts and Sound Proofing Material. Northern Insulating Co., St. Paul, Minn.
Flaxlinum Keyboards Deadening Felts. Northern Insulating Co., St. Paul, Minn.
Flaxlinum Rail Joint Insulation. Hegeman-Castle Corp., Chicago.
Flaxlinum Rail Joint Insulation. Holden & White, Chicago.
Flaxene Upholstery. Landers Bros. Co., Toledo, O.
Flaxlawn Cloth Tablets. Osborn Paper Co., Marion, Ind.
Flaxlawn Linen Stationery. Mid-West Paper & Envelope Co., Marion, Ind.
Flaxlinum Insulation. Flaxlinum Insulating Co., St. Paul, Minn.
Flaxlinum Keyboard Stucco Base. Flaxlinum Insulating Co., St. Paul, Minn.
Flaxoap Linseed Oil Soap. Sherwin-Williams Co., Cleveland, O.
Flaxo-Sail Cordage and Twine. American Mills Co., Atlanta, Ga.
Flaxol Paint Oils. Tower Varnish & Dryer Co., Dayton, O.
Fleetwing Steering Sleds. Auto-Wheel Coaster Co., Inc., North Tonawanda. N. Y.
Fleetwood Horse Brushes. Standard Brush Co., New Hartford, Conn.
Fleisher Yarns. S. B. & B. W. Fleisher, Inc., Philadelphia, Pa.
Fleming-Harrisburg Engines. Harrisburg Foundry & Machine Works, Harrisburg, Pa.
Fleming-Hyatt Roller Bearing Journal Box. J. R. Fleming & Son Co., Inc., Scranton, Pa.
Fleming Lawn Swings. Fleming & Sons Mfg. Co., Huntsville, Mo.
Fleming Shoe Soling Sewing Machines. Landis Mach. Co., St. Louis.
Fletcher Gauge Glass Cutter. Worcester Brush and Scraper Co., Worcester, Mass.
Fleur De Lis Hinges. Griffin Mfg. Co., Erie, Pa.
Fleur-de-Lis Liquid Soap. Clifton Chemical Co., New York.
Flentje Shock Absorbers. Ernst Flentje, Cambridge, Mass.
Fletcher Friction Clutches. Fletcher Works, Philadelphia.
Fletcher Insulated Racks. Fletcher Mfg. Co., Dayton, Ohio.
Fletcher-Weston Sugar Centrifugals. Fletcher Works, Inc., Phila.
Fletcher's Dye Tubs. J. I. Terhune, Paterson, N. J.
Flex-A-Tile Roofing. The Richardson Co., Lockland (Cincinnati), O., and Melrose Park (Chicago), Ill.
Flex-Bestos Boiler Cement. The Lehon Co., Chicago.
Flex Car Rubber Belting. New Jersey Car Spring & Rubber Co., Inc., Jersey City, N. J.
Flex Clamp Ground Connection Clamps. Novelty Electric Co., Phila.
Flex-Oyl-Lac Paints. Standard Varnish Works, New York.
Flex-sil-ient Wheels. Newport News Shipbuilding and Dry Dock Co., New York.
Flex Shade or Globe Holders. The Dayton Mfg. Co., Dayton, O.
Flex-Tan Belting. I. B. Williams & Sons, Dover, N. H.
Flexclamp Conduit Clamps. Novelty Electric Co., Philadelphia, Pa.
Flexco-Cable Spring Construction. Chas. W. Snell Co., Chicago.
Flexco Lok Lamp Guards, High Duty Belt Fasteners. Flexible Steel Lacing Co., Chicago.
Flexiblac Black Paint. Samuel Cabot, Inc., Boston.
Flexible Belt Dressing. Burr Oak Belting Co., Cincinnati, Ohio.
Flexible Belt Fasteners and Belt Lacing. Columbia Novelty Mfg. Co., St. Louis.
Flexible Belting. Detroit Oak Belting Co., Detroit, Mich.
Flexible Car Roofs. Standard Railway Equipment Co., Chicago.
Flexible Compound. Flexible Compound Co., Philadelphia, Pa.
Flexible Conduit. American Circular Loom Co., Chelsea, Mass.
Flexible Door Hangers. The F. E. Myers and Bro., Ashland, O.
Flexible Floor Varnish. R. F. Johnston Paint Co., Cincinnati, O.
Flexible Flyer Coaster Sleds. S. L. Allen & Co, Inc., Philadelphia, Pa.
Flexible I-Beam Trolleys. Palmer-Bee Company, Detroit, Mich.
Flexible Laundry Starch. Corn Products Refining Co., New York.
Flexible Metallic Interior Conduits. Garland Mfg. Co., Pittsburgh.
Flexible Power and Broaching Presses. General Mfg. Co., Detroit.
Flexible Rawhide Belting. Wm. Coupe Co., Ltd., S. Attleboro, Mass.
Flexible Steel Belt Lacing. Flexible Steel Co., Chicago.
Flexible Support Shaking Screens. Link-Belt Co., Chicago.
Flexico Enamel. O'Brien Varnish Co., South Bend, Ind.
Flexicote Roof Paint. Thompson & Co., Pittsburgh, Pa.
Flexi File. Library Bureau, Inc., Cambridge, Mass.
Flexifold-Rolling Partitions. The J. G. Wilson Corp., New York.
Flexible Leather Belting. Detroit Oak Belting Co., Detroit, Mich.
Flexi-Post Loose Leaf Devices. Stationers' Loose Leaf Co., Milwaukee.
Flexishield Motorists' Goggles. Strauss & Buegeleisen, Brooklyn, N. Y.
Flexitallic Gaskets. Fred Y. Nichols, Successor to S. R. Drum Mfg. Co., Chicago.
Flexitallic Metallic Gaskets. Flexitallic Gasket Co., Camden, N. J.
Flexite Couplings. F. R. Blair & Co., New York.
Flexite Flat Belting. F. Raniville Co., Grand Rapids, Mich.
Flexite Leather Belting. F. Raniville Company, Grand Rapids, Mich.
Flexite Packings, Rubber Goods. Boston Belting Co., Boston, Mass.
Flexite Paints. Standard Paint Co., New York.
Flexite Sheet Packing. Boston Belting Corp., Boston.
Flex-Lite Desk Lights. R. Milt Retherford, Muncie, Ind.
Flex-Lock Roofing Felt. Norton Bros. Co., Cleveland, O.
Flo-X-met Hose and Tubing. Breeze Metal Hose & Mfg. Co., Newark, N. J.
Flexo Acid Proof Belting. Alexander Bros., Philadelphia.
Flexo Aero Radiators. Flexo Mfg. Co., Los Angeles, Cal.
Flexo Automobile Belts. Detroit Leather Works, Detroit, Mich.
Flexo Door Hangers. Hunt-Helm-Ferris & Co., Harvard, Ill.
Flexo Fire Extinguisher, Kant Leak Pipe Joints. Flexo Supply Co., St. Louis, Mo.
Flexo Hammered Piston Pins. Nilson-Miller Co., Hoboken, N. J.
Flexo Incandescent Gas Mantles. Peerless Light Co., Chicago.
Flexo-Kant-Leak Pipe Joints. Flexo Supply Co., St. Louis.
Flexo Laminated V Belting. Detroit Leather Works, Detroit, Mich.
Flex-O Leather Belting. Cross Bros. Co., Rochester, N. Y.
Flexo Loose Leaf Ledger Paper. Weston Co., Byron, Dalton, Mass.
Flexo Plumbers' Washers. Woodward Wanger Co., Philadelphia.
Flexo Tanks Supports. Columbus Brass Co., Columbus, O.
Flexoid Air Tubing. Bemis Bros. Bag Co., St. Louis, Mo.
Flexole Belt Dressing. E. N. Pike & Son, Boston.
Flexomet Flexible Metal Packing. The Garlock Packing Co., Palmyra, N. Y.
Flexotile Flooring and Stucco. Flexotile Floor Co., Rockford, Ill.
Flexotile Sanitary Flooring. Flexotile Floor Co., Rockford, Ill.
Flexotype Duplicators. American Multigraph Sales Co., Cleveland.
Flex-Sicco Paint. Toch Brothers, Inc., New York.
Flexsteel Armored Cable and Metallic Flexible Conduit. National Metal Molding Co., Pittsburgh, Pa.
Flexsteel Conduits. National Metal Molding Co., Pittsburgh.
Flexstone Asbestos Roofing. Johns-Manville, Inc., New York.
Flextan Leather Belting. Chicago Belting Co., Chicago. Russell Co., New York.
Flextite Couplings. F. R. Blair & Co., New York.

Flextube Non-Metallic Flexible Conduit. National Metal Molding Co., Pittsburgh, Pa.
Flexume Electric Signs. Flexume Sign Co., Buffalo, N. Y.
Flexway Woodworking and Aeroplane Building Machines. P. L. Billingsley, Cincinnati, O.
Fli-Bac Rolling Screens. Fli-Bac Screen Corp., Rochester, N. Y.
Flint Auto Axles. Flint Motor Axle Co., Flint, Mich.
Flint Cement and Wood Fibre Plaster. United States Gypsum Co., Chicago.
Flint Edge Axes. Kelly Axe Mfg. Co., Charleston, W. Va.
Flint-O-Lite Concrete Hardeners, Sanitary Flooring. Djorup Sanitary Floor Co., Inc., Chicago.
Flint Pressure Scale Testing Machines. Crosby Steam Gage & Valve Co., Boston.
Flint Rim Sprocket Wheels. Link-Belt Company, Chicago.
Flint-Rim Wheels, Rollers and Crusher Rolls. Link-Belt Co., Chicago, Indianapolis, Philadelphia; H. W. Caldwell & Son, Chicago.
Flint Shot. (For Sand Blasting). United States Silica Co., Chicago.
Flint Silica, for Molding of Core Work. United States Silica Co., Chicago.
Flint Tiles and Fireplaces. Flint Tile and Fireplace Co., Flint, Mich.
Flintcast White Iron Castings. Pacific Foundry Co., San Francisco.
Flintlock Cement Floor Treatment. Walter H. Storm Co., New York.
Flintox Concrete Floor Hardener. Toch Bros., Inc., New York.
Flintstone Leather Belting, Cut Lace and Lace Leather. Ladew Co., Inc., Edward R., New York.
Flobun Humidifier. Brazil Stamping & Mfg. Co., Chicago.
Flo-chan Cushion. Floto, Patterson & Co., Chicago.
Flodin Self-Oiling Wheels. Lake Shore Engine Works, Marquette, Mich.
Flo-eze Ink. Ink Ribbon Mfg. Co., San Francisco.
Flo-Gum Paste. Sanford Mfg. Co., Chicago.
Flojax Construction Metal. G. J. Schoeffel, New York.
Flood Automobile Pumps. Luther Grinder Mfg. Co., Milwaukee.
Floor Flat Lac Floor Finish. Emil Calman & Co., New York.
Floorcote Floor Finish. Wm. Waterall & Co., Camden, N. J.
Floorenite Floor Finish. Atlantic Varnish Works, Inc., Richmond, Va.
Floorene Varnishes. American Varnish Co., Chicago.
Flooring and Stucco. Hoff Magnesite Co., San Francisco, Calif.
Floorkote Paint Varnish. Tropical Paint & Oil Co., Cleveland, O.
Floor-Oleo Floor Polish. Samuel F. Woodhouse, Philadelphia, Pa.
Floorstona Varnish. Keystone Varnish Co., Brooklyn, N. Y.
Floortex Felt Base Floor Covering. Thos. Potter Sons & Co., Inc., Philadelphia, Pa.
Flora Radical Gas Heaters. Lawson Mfg. Co., Homestead, Pa.
Floradora Insect Guns. Thos. W. Houchin Co., New York.
Floral City Boilers, Furnaces, Stoves. Monroe Foundry & Furnace Co., Monroe, Mich.
Floral Steam and Hot Water Heaters. Monroe Foundry & Furnace Co., Monroe Mich.
Floran Fold Collar Shaper and Edger and Seam Dampener. Chicago Laundry Machy. Co., Chicago.
Floredome Tile Floor Steel. Truscon Steel Co., Youngstown, O.
Florence Hand Mirrors. Florence Mfg. Co., Dept. H, Florence, Mass.
Florence Oil Stoves and Heaters. Central Oil & Gas Stove Co., Gardner, Mass.
Florence Pig Iron. Sloss-Sheffield Steel & Iron Co., Birmingham, Ala.
Florence Sewing Machine. A. G. Mason Mfg. Co., Cleveland, O.
Florence Wagons. Florence Wagon Co., Florence, Ala.
Florentine Hot Water Radiators. U. S. Radiator Corp., Detroit.
Florentine Lacquer. Hanson & Van Winkle Co., Newark, N. J.
Florentine Shell Pyraline Toilet Articles. The Arlington Works (E. I. du Pont de Nemours & Co.), Wilmington, Del.
Floretyle Tile Floor Steel. Truscon Steel Co., Youngstown, O.
Florian Deadening Felts. Bird & Son, East Walpole, Mass.
Florian Drinking Fountains. Crane Co., Chicago.
Florida Mine Car Wheels. Lake Shore Engine Wks., Marquette, Mich.
Floridin Fuller's Earth. Floridin Co., Warren, Pa.
Flory Carry Irons. Commonwealth Steel Co., St. Louis, Mo.
Flory Hoists and Cableways. Lenher Engineering Co., New York.
Flory Ship Winches. S. Flory Mfg. Co., Bangor, Me.
Flory Slate Drilling and Countersinking Machinery, Hoisting Machines. S. Flory Mfg. Co., Bangor, Me.
Flota Mica Dry Lubricant. Flota Mica Sales Co., Detroit, Mich.
Flotco Oils. Flotation Oil and Chemical Co., New York.
Flour City Kerosene Tractors. Kinnard & Sons Mfg. Co., Minneapolis.
Flow Kote Architectural Enamels. Chicago Varnish Works, Chgo.
Flow Kote Enamel. E. I. du Pont de Nemours & Co., Inc., Paint & Varnish Dept., Philadelphia, Pa.; Chicago Varnish Wks., Chicago.
Flower Electric Brush Holders. D. R. Flower, Philadelphia.
Flower Valves. Stephens-Roe Mfg. Co., Detroit, Mich.
Flowette Enamel. Denny, Hilborn & Rosenbach, Philadelphia, Pa.
Flo-White Architectural Enamel. Chicago Varnish Co., Chicago.
Flu-id-cres Coal Tar Disinfectant. Ferguson Laboratories, Philadelphia, Pa.
Flu-id-deth Insecticide. Ferguson Laboratories, Philadelphia, Pa.
Flu-id-doil Paraffine Floor Oil. Ferguson Laboratories, Philadelphia, Pa.
Flu-id-flor Air Sweetener. Ferguson Laboratories, Philadelphia, Pa.
Flu-id-glos Furniture Polish. Ferguson Laboratories, Philadelphia, Pa.
Flu-id-pine Pine Oil Disinfectant. Ferguson Laboratories, Philadelphia, Pa.
Flu-id-soap Liquid Soap. Ferguson Laboratories, Philadelphia, Pa.
Fluorcite Complete Iron Foundry Flux. Hillside Fluor Spar Mines, Chicago.
Fluoride Boiler Compounds. D. D. Williamson & Co., New York.
Flush Climax Vent Caps. Miller Foundry & Specialty Co., North Tonawanda, N. Y.
Flush Top Cellar Doors. A. Lucas & Sons, Peoria, Ill.
Flushometer. The Kenney Mfg. Co., New York.
Fluted-Catch Sockets and Receptacles. General Electric Co., Schenectady, N. Y.
Fluxine Brazing and Welding Compound. Krembs & Co., Chicago.
Fluxore. Welding Products Co., Indianapolis, Ind.
Fluxtite Soldering Flux, Paste, Sales and Stick. Swan & Finch Co., New York.
Fluxweld Welding Rods. Steel Sales Corp., Chicago.
Fly King Insecticides. G. E. Conkey Co., Cleveland, O.
Fly Pie Poison Fly Killers. Craun Bros., Butler, Ind.
Fly-Bane Insecticide. West Disinfecting Co., New York.
Flyer Clothes Washing Machines. H. F. Brammer Mfg. Co., Davenport, Ia.
Flyfoot Belt Dressing. Chas. A. Schieren & Co., New York.
Flying Dutchman Carving Lathes. Valley City Machine Works, Grand Rapids, Mich.
Flying Dutchman Cultivators, Gang Plows, Planters, Disc Harrows, Hay Rakes, Hay Loaders, Seeders and Sowers. Moline Plow Co., Moline, Ill.
Flying Dutchman Trolley Track Door Hangers. Sharon Hardware Mfg. Co., Sharon, Pa.
Flying Merkel Bicycles and Motor Cycles. Miami Cycle & Mfg. Co., Middletown, Ohio.
Flying Swede Portable Grain Elevators. O'Neil, T. L., Co., Marseilles, Ill.
Flying Yankee Extension Ladders. Portland Extn. Ladder & Pole Co., Newark, N. J.
Flylock Automatic Pocket Knife. Flylock Knife Co., Inc., New York.
Fly-Nip Insect Powder. Chamberlain-Haber Chemical Co., Cleveland, O.
Flynn Micrometer Boring Heads. J. M. Waterston, Detroit, Mich.
Flynn Steam Traps. B. F. Sturtevant Co., Boston.
Flyosan Insect Exterminator. Colonial Chemical Corp., Reading, Pa.
Foamite Firefoam Fire Extinguishers. Foamite-Childs Corp., Utica, N. Y.
Fogarty-Thoens Feed Water Regulators. James H. Fogarty, New York.
Fog-Tone Windshield Wiper. Bar Lac Co., Oakland, Cal.
Foieline Valves. Jenkins Bros., New York.
Foil Cigarette Packing Machines. American Machine & Foundry Co., Brooklyn, N. Y.
Folberth Wind Shield Cleaners. Folberth Auto Specialty Co., Cleveland.
Folding Lawn Swings. The F. E. Myers & Bro., Ashland, O.
Foldrier Cabinet Folding Wall Cabinet Clothes Driers. Albion Wood & Metal Products Co., Albion, N. Y.
Fold-Up-Dor Shipping Platform Doors. St. Louis Fire Door Co., St. Louis, Mo.
Foley Band Saw Filing and Setting Machines. Wellman Products Co., Cleveland, O.
Foley Band Saw Filing Machinery. Cleveland Fillet Co., Cleveland, O.
Foley Spray Nozzles. Loeffelholz Co., Milwaukee, Wis.
Folger Self Inking and Dating Stamps and Packet Seal. R. D. Swisher Mfg. Co., Chicago.
Follett Recorders and Time Stamps. Follett Time Recording Co., New York.
Folsom Steel Ranges. C. G. Folsom Mfg. Co., South Bend, Ind.
Foltable Folding Camp Tables. Puff Mfg. Co., Los Angeles, Cal.
Fominco Ore and Chemical Products. Foote Mineral Company, Inc., Philadelphia.
Fonda Gloves. Puget Sound Glove Mfg. Co., Seattle, Wash.
Fontenelle Lavatories. Crane Co., Chicago.
Foot Cork Mats. La Porte Mat & Mfg. Co., La Porte, Ind.
Fool Proof Reinforcing. Northwestern Expanded Metal Co., Chicago.
Foos Gas Engine. Foos Gas Engine Co., Springfield, O.
Foote Bros. L X L. Spur Gear. Foote Bros. Gear & Machine Co., Chicago.
Foote Cherry Stoners and Stemming Machines. Foote Bros. Gear & Machine Co., Chicago.
Footburt Machinery. The Foote-Burt Co., Cleveland, O.
Foote Concrete Batch Mixers. Geo. H. Sampson Co., New York.
Foote Concrete Mixers. C. Foote Mfg. Co., Inc., Nunda, N. Y.
Foote Crystans. Foote Mineral Company, Inc., Philadelphia.
Foote's Back Arch. McLeod & Henry Co., Troy, N. Y.
Foote-Burt High Duty Drills. Foote-Burt Co., Cleveland, O.
Footlock Foot Operated Vises. Rawling Mfg. Co., San Francisco.
Foot-Set Mouse and Rat Traps. Snappy Manufacturing Co., Chicago.
Forbes & Meyers Electric Motors and Grinders. Forbes & Meyers, Worcester, Mass.
Forbes Furnaces. Tubular Heating & Ventilating Co., Philadelphia, Pa.
Forbes Ground Connection Clamps. Cleverly Electrical Works, Phila.
Forbes Hot Air Furnaces. Tubular Heating & Ventilating Co., Phila.
Forbes Patent Pipe Cutting and Threading Machines. Curtis & Curtis Co., Bridgeport, Conn.
Force Grease Cups. H. H. Sherman Mfg. Co., Battle Creek, Mich.
Force Power Hammers. Central Machine Works Co., Minneapolis.
Forcite Powder. Atlas Powder Co., Wilmington, Del.
Ford Automobile Wrenches. Improved Gauge Mfg. Co., Syracuse, N. Y.
Ford Automobile and Trucks. Ford Motor Co., Detroit, Mich.
Ford Balanced Tank Valves. Ford Regulator Corp., New York and Chicago.
Ford Closets and Drinking Fountains. Crane Co., Chicago.
Ford-Dearborn One-Ton Trucks. Dearborn Motor Truck Co., Chicago.
Ford Meter Box Covers. The Ford Meter Box Co., Wabash, Ind.
Ford Ore Concentrators. Union Iron Works Co., Kansas City, Mo.
Ford Refrigerators. Alaska Refrigerator Co., Muskegon, Mich.
Ford Tank Valves. Thomas P. Ford Co., New York.
Ford Tribloc Chain Hoist. Ford Chain Block Company, Philadelphia, Pa.
Ford Valves. Ford Regulator Corp., New York and Chicago.
Ford Vehicle Washers. Nunn Brass Works, Rochester, N. Y.
Ford's Asphalt Roofing. Ford Roofing Products Co., Chicago.
Ford's Pyramid Rubber Roofing. Ford Roofing Products Co., Chgo.
Ford's Weather Strips. Ford Mfg. Co., Holyoke, Mass.
Fordson Tractors. Ford Motor Co., Detroit, Mich.
Forest City Leather Belting. Rockford Belting Co., Rockford, Ill.
Forest City Paint and Varnish Remover. Forest City Paint & Varnish Co., Cleveland.
Forest City Stoves. Fox Furnace Co., Elryia, O.
Forest City Wood Bits. Forest City Bit & Tool Co., Rockford, Ill.
Forest Clipper Axes. American Axe & Tool Co., Glassport, Pa.
Forest Clips for Battery Connections. Forest Electric Co., Inc., Newark, N. J.
Forest King Brush Axe. Burgess-Norton Mfg. Co., Geneva, Ill.
Forest King Logging Carts. Williams Mfg. Co., Macon, Ga.
Forest Log Loaders. National Iron Co., Duluth, Minn.
Forest River White Lead. Chadwick Boston Lead Co., Boston, Mass.
For-Get-Me-Not Abrasive Wheels and Stones. Scranton Whetstone & Abrasive Wheel Co., Scranton, Pa.
Forget-Me-Not Oil Stones. Scranton Whetstone & Abrasive Wheel Co., Scranton, Pa.
Forged T Carlines. Standard Railway Equipment Co., Chicago.
Forked Rivets. Edwin B. Stimson Co., Brooklyn, N. Y.
Forkner Cultivators and Harrows. Light Draft Harrow Co., Marshalltown, Ia.
Form A Ejectors. Yeomans Brothers Co., Chicago.
Forma-Germkill Fumigators. Central City Chemical Co., Chicago.
Formastat Iron Finish. Formastat Mining Co., New York.
Formica Commutator Rings. Electric Service Co., Cincinnati, O.
Formica Insulation Shapes, Washers and Noiseless Gears. Formica Insulation Co., Cincinnati, O.
Formozone Deodrant. Theo. B. Robertson Products Co., Chicago.
Forschler Automobiles and Motor Trucks. Forschler Motor Truck Mfg. Co., New Orleans, La.
For-Seal Damp Proofing. Trussed Steel Co., Detroit, Mich.

Forster Rock Crushers. Phillips & MacLaren, Pittsburgh, Pa.
Forstner Auger Bits. Progressive Mfg. Co., Torrington, Conn.
Forstner Pat'n Auger Special Bits. A. L. Adams, Bridgeport, Conn.
Forsyth Belting, Hose, Packing, Gaskets, Rollers. Boston Belting Co., Boston, Mass.
Forsyth Car Curtain Fixtures. The Curtain Supply Co., Chicago.
Forsyth Demountable Rim Disc Wheels. Forsyth Bros. Co., Harvey, Ill.
Forsyth Hollow Square Packing. Boston Belting Corp., Boston.
Forsyth Draft Gear, Buffing Device, Draw Bar Cast Steel Yoke, Radial Device, Truck Actuated Device. Waugh Draft Gear Co., Chicago.
Forsyth Rubber Hose Packing. Boston Belting Co., Boston, Mass.
Forsyth Steel Disc. Motor Wheel Corp., Lansing, Mich.
Fort Atkinson Ice Cream Freezers. Cream'y Pkg. Mfg. Co., Chicago.
Fort Clyde Greases and Oils. Dearborn Chemical Co., Chicago.
Fort Dearborn Greases and Oils. Dearborn Chemical Co., Chicago.
Fort Douglas Greases and Oils. Dearborn Chemical Co., Chicago.
Fort Duquesne Belt Dressing. Pittsburgh Gage & Supply Co., Pitts.
Fort Orange Toilet Paper. A. P. W. Paper Co., Dept. H, Albany, N. Y.
Fort Pitt Boiler Rivets. Pittsburgh Screw & Bolt Co., Pittsburgh, Pa.
Fort Pitt Liquid Soap. Fort Pitt Chemical Co., Pittsburgh.
Fort Pitt Packing. Pittsburgh Gage and Supply Co., Pittsburgh.
Fort Pitt Springs. Fort Pitt Spring & Mfg. Co., Pittsburgh, Pa.
Fort Scott Hydraulic Cement. Ft. Scott Hydraulic Cement Co., Ft. Scott, Kan.
Fort Sheridan Greases and Oils. Dearborn Chemical Co., Chicago.
Fort Smith Farm Wagons. Fort Smith Wagon Co., Fort Smith, Ark.
Fort Snelling Oils and Greases. Dearborn Chemical Co., Chicago.
Fort Wayne Electric Rock Drills. Union Electric Co., Pittsburgh, Pa.
Forter Gas Producers. Forter-Miller Engineering Co., Pittsburgh, Pa.
Fort-ified Electric Pot Heaters. Fort-ified Manufacturing Co., Kansas City, Mo.
Fortnite Long-Time Burner Oil. Standard Oil Co., Chicago.
Fortuna Portable Electric Drills. Fortuna Machine Co., New York.
Fortuna Skiving Machine. Fortuna Machine Co., New York.
48-10 **"U. S." Air Hose.** United States Rubber Co., New York.
Forum Card Tables. E. T. Burrows Co., Portland, Me.
Forum Lead Pencils. American Lead Pencil Co., New York.
Posco Rotary Suction Ventilators. F. O. Schoedinger, Columbus, O.
Posdick Radial and Upright Drills. The Fosdick Machine Tool Co., Cincinnati, O.
Fosdick Vertical Drilling Machines. Fosdick Mach. Tool Co., Cincinnati, O.
Foskett & Bishop Steam Traps. Foskett & Bishop Co., New Haven, Conn.
Foskett Plate Scrapers. Cassady Fairbank Mfg. Co., Chicago.
Foss-Set Brushes. The Wooster Brush Co., Wooster, O.
Fosston Grain Cleaners, Separators and Ratchet Wrenches. New Liberty Washing Machine Co., St. Paul, Minn.
Foster Bros. Kitchen Cutlery. John Chatillon & Sons, New York.
Foster Geared Head Screw Machine. Foster Machine Co., Elkhart, Ind.
Foster Grate Bars. Woburn Iron Fdry., Woburn, Mass.
Foster Hollow Set Screws. New Haven Screw Co., New Haven, Conn.
Foster Marine Boiler and Superheaters. Foster Marine Boiler Corp., New York.
Foster Pioneer Non-return Stop Valve. Foster Engineering Co., Newark, N. J.
Foster Pumping Machinery. Foster Pump Works, Brooklyn, N. Y.
Foster Rubber Heels. Foster Rubber Co., Boston, Mass.
Foster Safety Set Screw. New Haven Screw Co., New Haven.
Foster Ship Water Closets. Thos. Laughlin Co., Portland, Me.
Foster Shock Absorbers. Gabriel Mfg. Co., Cleveland.
Foster Steam Superheaters Power Specialty Co., New York.
Foster Superheaters. Power Specialty Co., New York.
Foster Valves. Foster Engineering Co., Newark, N. J.
Foster's Excelsior Lift Pumps. Foster Pump Works, Brooklyn, N. Y.
Fosterlink Bed Springs. Foster Bros. Mfg. Co., Utica, N. Y.
Fostoria Incandescent Electric, Mazda and Tungsten Lamps. Fostoria Incandescent Lamp Division of G. E. Co., Fostoria, O.
Foto-Kem Photographic Chemicals. Bell & Gossett Co., Chicago.
Fotoplayer Organs. American Photo Player Co., San Francisco.
Foulis Gas Governors. Helme & McIlhenny, Philadelphia.
Fountain City Grain Drills. American Seeding Machine Co., Springfield, O.
Fountain Lawn Sprinklers. The Armstrong Mfg. Co., Huntington, W. Va.
Four Ace Belting, Packing. Revere Rubber Co., Boston, Mass.
Four Arrow Chlorate Potassium. Monmouth Chemical Co., New York.
Four Bros. Axle Grease, Oils, Harness Soap and Roofing Paints. Sinclair Refining Co., Albany, N. Y.
Four Burr Corn and Cob Mills. Bovee Furnace Wks., Waterloo, Ia.
400 Champion Lighting Arresters. Chance Company, Centralia, Pa.
400 Forge Blowers. Champion Blower & Forge Co., Lancaster, Pa.
400 Series Sectional Boilers. Gurney Heater Mfg. Co., Boston, Mass.
400 Tandem Tires. The Diamond Rubber Co., Inc., Akron, O.
Four-In-One Light. L. Plant & Co., New York.
4 in 1 Polish. Towne & Filippini, Crows Landing, Cal.
4-In-1 Screw Drivers. E. Edelman & Co., Chicago.
4-one-Wirebound Box Machinery. 4-One-Box Machine Makers, Rockaway, N. J.
Fournier Weather Strips. Abel-Bauer Grille Mfg. Co., Detroit, Mich.
Four Point Chisel Steel. Jos. T. Ryerson & Son, Chicago.
Four-S Feed Water Heaters. Colles Heater & Specialty Co., Chicago.
Four Star Cement. Fort Scott Hydraulic Cement Co., Fort Scott, Kan.
Four-Star Metal Polish. Economic Products, Inc., New York.
Four Way Drain Automatic Valves. Monash-Younker Co., Chicago.
1400 Rubber Pump Valves. Quaker City Rubber Co., Philadelphia.
40-40-20 Paint and Paint Paste. The New Jersey Zinc Co., New York.
4X Wool and Fibre Packing Waster. Dallas Waste Mills. Dallas, Tex.
Fournier Weather Strips. Abel-Bauer Grille Mfg. Co., Detroit, Mich.
Fowler Car Replacer. Track Equipment Co., Huntington, W. Va.
Fowler Curtain Rods. Wickwire Spencer Steel Corp., Worcester, Mass.
Fowler Electric Gates. Fowler Electrical Supply Co., Toledo, O.
Fowler Furnace Regulators. Frank E. Woodward & Co., Boston.
Fowler Headlights, Automobile Burners, Horns, Lamps, Storage Batteries, Wind Shields. Fowler Lamp & Mfg. Co., Chicago.
Fowler Replacers. Whitaker-Glessner Co., Portsmouth, O.
Fowler Sickle Grinders. S. Cheney & Son, Manlius, N. Y.
Fowler Upper Buffer Springs. Union Metal Products Co., Chicago.
Fowls Express Wagon. The Lansing Company, Lansing, Mich.
Fox Automobile Steering Wheel Locks. A. H. Fox Gun Co., Phila.
Fox Brass Workers' Lathes. The Amer. Tool & Machine Co., Boston, Mass.
Fox Corrugated Furnaces. The Continental Iron Wks., Brooklyn, N. Y.
Fox Floor Scrapers. Fox Supply Co., Brooklyn, Wis.
Fox Freight and Tender Trucks. Pressed Steel Car Co., Pittsburgh, Pa
Fox Fuel Oil Burners. American Equipment Co., Norristown, Pa.
Fox Multiple Spindle Drilling Machines. Fox Machine Co., Jackson, Mich.
Fox Necessaries for Fords. A. H. Fox Gun Co., Philadelphia.
Fox Proof Guns. A. H. Fox Gun Co., Philadelphia.
Fox Square. Wiebusch & Hilger, New York.
Fox Store Trucks. Z. F. Fox & Son, Freeport, Mich.
Fox Tractors. Fox River Tractor Co., Appleton, Wis.
Fox Turret Lathes. Gage Machine Works, Waterford, N. Y.; Springfield Mach. Tool Co., Springfield, O.
Fox Typewriters. Fox Typewriter Co., Grand Rapids, Mich.
Fox's Steel Squares. Fred G. Breul, Bridgeport, Conn.
Fox's T-Squares. Challenge Cutlery Corp., Bridgeport, Conn.
Foxboro Recorders. Foxboro Co., Foxboro, Mass.
Foxpaste Dry Powder. M. Ewing Fox Co., New York.
Foyer Brand Carbon Paper. Chas. A. Foyer & Co., Cleveland, O.
Foyer's Best Typewriter Ribbons. Chas A. Foyer & Co., Cleveland, O.
Fracto Non-Glare Device. J. E. Ryan, Boston, Mass.
Fractors Non-Glare Device. John E. Ryan, Boston, Mass.
Frahm Frequency Meters. James G. Biddle, Philadelphia.
Fraim Automobile Locks, Padlocks and Night Latches. E. T. Fraim Lock Co., Lancaster, Pa.
Fraim-Slaymaker Padlocks. Fraim-Slaymaker Hdw. Co., Lancaster, Pa.
Fraley Electric Hand Massage Vibrators. Schunck & Ogg, New York.
Frampton Window Shades. Forse Mfg. Co., Anderson, Ind.
France Metallic Packings. France Packing Co., Philadelphia, Pa.
Frances Turbine Water Wheels. Platt Iron Wks. Co., Dayton, O.
Francis Axes. American Axe & Tool Co., Glassport, Pa.
Francis Diamond Grinder Tools . Francis & Co., Hartford, Conn.
Francis Hand and Grinder Tool. Francis & Co., Hartford, Conn.
Francis Hydraulic Turbines. S. Morgan Smith Co., York, Pa.
Francis Turbine Water Wheels. Camden Water Wheel Works, Camden, N. J.
Francis Turbine Water Wheels. I. P. Morris Co., Philadelphia.
Francke Flexible Couplings. Smith & Serrell, Newark, N. J.
Franco Batteries. Yale Electric Co., Brooklyn, N. Y.
Franco Dry Batteries. Interstate Electric Novelty Co., New York.
Franco Incandescent Lamp Coloring. C. E. Franche & Co., Chicago.
Frank Concrete Mixer. Frank Mfg. Co., Des Moines, Ia.
Frankel Solderless Connectors. Frankel Connector Co., Inc., New York.
Frankfort Furnaces. Strong, Carlisle & Hammond Co., Cleveland, O.
Frankfort Soldering Iron Heaters. Strong, Carlisle & Hammond Co., Cleveland, O.
Franklin Air Compressors. Hermance Machine Co., Williamsport, Pa.
Franklin American Made Drawing Instruments. The C. F. Pease Company, Chicago.
Franklin Asbestos Packing, Pipe & Boiler Coverings, Insulating Paper, Cements. Franklin Mfg. Co., Franklin, Pa.
Franklin Automobiles. H. H. Franklin Mfg. Co., Syracuse, N Y.
Franklin Ball Joints, Locomotive Fire Doors, Cold Water Sprinkler, Locomotive Grate Shakers. Franklin Railway Supply Co., Inc., New York.
Franklin Batteries. Enterprise Electric Supply Co., Latrobe, Pa.
Franklin Battery Zincs. Grasselli Chemical Co., Cleveland.
Franklin Belting and Rubber Hose. Combination Rubber Mfg. Co., Bloomfield, N. J.
Franklin Big Red Roofing Slate. Fairview Slate Co., Slatington, Pa.
Franklin Blue Print Paper, Drying and Washing Machines. Williams, Brown & Earle, Philadelphia.
Franklin Carburetors. Franklin Oil & Gas Co., Bedford, O.
Franklin Carlining Asbestos Steel Car Insulation. The Franklin Mfg. Co., Franklin, Pa.
Franklin Cotton Hose. Mechanical Rubber Co., New York.
Franklin Cranes. Franklin Portable Crane & Hoist Co., Franklin, Pa.
Franklin Curtain Rod Sockets. Franklin Mfg. Co., Buffalo, N. Y.
Franklin Die-Castings. Franklin Mfg. Co., Syracuse, N. Y.
Franklin Drawing Instruments. C. F. Pease Co, Chicago
Franklin Enlarging Camera, Blue Printers. Williams, Brown & Earle, Inc., Philadelphia, Pa.
Franklin Gaggers. Franklin Core Rod & Gagger Co., Franklin, Pa.
Franklin Gasoline Blow Torches. Turner Brass Works, Sycamore, Ill.
Franklin Fire Doors, Automatic Driving Box Lubricators and Wedges, Grate Shakers, Ball Joints, Steam Chest Oil Plugs, Cold Water Sprinkler, Grease Forming Machine and Single Water Joints. Franklin Railway Supply Co., New York.
Franklin Gas-Steam Radiator. Trolley Supply Co., The, Massillon, O.
Franklin Grease Lubricators. Franklin Ry. Supply Co., New York.
Franklin Grease Traps. R. Estabrook's Sons, Boston, Mass.
Franklin Grinders. Van Norman Machine Tool Co., Springfield, Mass.
Franklin Hatchets. Griffith Tool Co., Philadelphia.
Franklin Hoist and Woven Wire Fence Stretcher. C. F. Smith Mfg. Co., DeKalb, Ill.
Franklin Hose. Combination Rubber & Belting Co., Bloomfield, N. J.
Franklin Lamps. Franklin Elec. Mfg. Co., Hartford. Conn.
Franklin Picture Hooks. Parker Wire Goods Co., Worcester, Mass.
Franklin Radial Buffers. Franklin Ry. Supply Co., New York.
Franklin Spelter. New Jersey Zinc Co., New York.
Franklin Stoves. Edwin A. Jackson & Bro., New York.
Franklin Tipping Machines. Franklin Machine Co., Providence, R. I.
Franklin Trolley Wheels. American Brass Co., Waterbury, Conn.
Franklin Upholsterer's Hammers. Franklin Specialty Co., Reading, Pa.
Franklin Water Tube Boiler. Nagle Engine & Boiler Works, Erie, Pa.
Franklin Wire Machinery. Franklin Mfg. Co., New Haven, Conn.
Franklin Wire Stretchers. Smith's Hardware & Mfg. Co., DeKalb, Ill.
Franklin Wood Stains. Felton Sibley Co., Philadelphia, Pa.
Frantz Premier Vacuum Cleaners. Electric Vacuum Cleaner Co., Cleveland, O.
Fraser Cheese Presses. Creamery Package Mfg. Co., Chicago.
Fraser Grinders. Warren F. Fraser Co., Westboro, Mass.
General Railway Signal Co., Rochester, N. Y.
Fraser Molder's Clamps, Rapping Plates, Pattern Lifting Screws, Dowel Pins and Dowels. Federal Malleable Co., West Allis, Wis.
Fraser Universal Grinders. The Warren F. Fraser Co., Boston, Mass.
Frasse-Electric Steel. Peter A. Frasse & Co., New York.
Frazer Lubricating Oils and Greases. Frazer Lubricator Co., Chicago.
Frazer-Adams Marine Engines. Frazer Bros. Co., Adams, N. Y.
Frazer's Boiler Cement Paint. Frazer's Paint Co., Detroit, Mich.
Frazer's Pipe Joint Cements. Frazer Paint Co., Detroit, Mich.
Frazier Package Handles. Tie Co., Unadilla, N. Y.
Freas Electric Incubators and Ovens. Elmer & Amend, New York.
Freco Electric Bells. Russell Electric Co., Danbury, Conn.
Frederick Centrifugal Pumps; Underfeed Stokers; Steam Jet Ash Conveyors. Frederick Engineering Co., The, Frederick, Md.
Frederick Stokers. Combustion Engineering Corp., New York.
Fredisco Disinfectants, Insecticides and Floor Dressings. Fredisco
Fredonia Portland Cement. Fredonia Portland Cement Co., Fredonia, Kan.
Free Sewing Machines. Free Sewing Mach. Co., Rockford, Ill.
Free-Westinghouse Family Sewing Machines. Free Sewing Machine Co., Rockford, Ill.

Freed Steam and Hot Water Heaters. Freed Heater Co., Collegeville, Pa.
Freedom Gasoline, Greases and Oil. Freedom Oil Wks. Co., Freedom, Pa.
Freeland Farm Boilers. Freeland Steel Tank Co., Portage, Wis.
Freeland Steel Corn Cribs. Iron Crib & Bin Co., Wooster, O.
Freeland Stock Tanks. B. F. Freeland Sons Co., Sturgis, Mich.
Freelite Gloss and Flat White for Interiors. Campbell Glass & Paint Co., St. Louis, Mo.
Freeman Bone Mills. Freeman Mfg. Co., Racine, Wis.
Freeman Labels. Freeman Leon, Chicago.
Freeman Steam Hoists. United Iron Wks., Inc., Kansas City, Mo.
Freeport Blow-Off Valves. Wm. T. Bonner Co., Boston, Mass.; Jergu-son Mfg. Co., Boston, Mass., Wiltbonco Mfg. Co., Boston, Mass.
Freeport Mop Sticks and Holders. Arcade Mfg. Co., Freeport, Ill.
Freeport Wagons. Moline Plow Co., Moline, Ill.
Freeze-No-More Anti-Freezing Compounds. Corliss Mfg. & Supply Co., St. Louis, Mo.
Fremont Hot Air Furnaces. Niagara Falls Furnace Co., Niagara Falls, N. Y.
French American Rat Traps. Edw. J. Darby & Son, Philadelphia, Pa.
French Caen Stone Finish Brick and Concrete Paints. Glidden Co., Cleveland.
French Egg and Cream Beaters. Wickwire Spencer Steel Corp., Worcester, Mass.
French Flashlights. French Battery & Carbon Co., Madison, Wis.
French Fruit and Vegetable Slicers. Landers, Frary & Clark, New Britain, Conn.
French Gloss Shoe Blacking and Polishes. Whittemore Bros. Corp., Cambridge, Mass.
French Metal Polish. Marshall Oil Co. of Iowa, Marshalltown, Ia.
French Pipe Cutting and Threading Machinery. A. P. Smith Mfg. Co., East Orange, N. J.
French Renovating Process Plush and Leather Cleaners. The French Renovating Co., Cleveland, O.
French's Adjustable Taps. J. M. Carpenter Tap & Die Co., Pawtucket, R. I.
French's Portland Cements. Samuel H. French & Co., Philadelphia, Pa.
Frescotone Paints. Thompson & Co., Pittsburgh, Pa.
Fresh Work Cigar Machinery. American Machine & Foundry Co., Brooklyn, N. Y.
Fres-Ko-Kote Kalsomine. Manhattan Color Works, New York.
Fresno Road Scrapers. Western Wheel Scraper Co., Aurora, Ill.
Fresno-Fresno Scrapers. Fresno Agricultural Wks., Fresno, Calif.
Fresno Pruning Shears. Cronk & Carrier Mfg. Co., Elmira, N. Y.
Freyer Automobile Wheels. Phelps Mfg. Co., Columbus, O.
Fribery Milk Strainers. Sanitary Strainer Co., Maiden Rock, Wis.
Frick Boilers, Engines, Saw Mills and Machinery. Frick Co., Waynesboro, Pa.
Frick Ice Making Machy., Threshers and Tractors. Frick Co., Waynesboro, Pa.
Frick Self Winding Clocks. Landis Engng. & Mfg. Co., Waynesboro, Pa.
Frick Economy Babbitt Metal. Frick & Lindsay Co., Pittsburgh.
Friction-Clad Belting. Quaker City Rubber Co., Philadelphia, Pa.
Friction Clutch Pulleys or Couplings. Hess-Snyder Co., Massillon, O.
Friction Drum Hoists. T. L. Smith Co., Milwaukee, Wis.
Friction Rail Brake. Miller Supply Co., Huntington, W. Va.
Frictioned Surface Rubber Belting. Boston Belting Co., Boston, Mass.
Frictionless Rail. Frictionless Rail Co., Boston, Mass.
Frictionless Roller Tube Expanders. Lovejoy Tool Works, Chicago.
Fridger Refrigerating Machines. Fred W. Wolf, Chicago.
Fridigdol Cutting Oil Base. G. Whitfield Richards, Philadelphia, Pa.
Friedman Boiler Injectors. Nathan Mfg. Co., New York.
Friestedt Interlocking Channel Bar Piling. Carnegie Steel Co., Pittsburgh, Pa.
Frigid Boiler, Ice Cream and Flue Scrapers. A. P. Miller Supply Co., Inc., New York.
Frigidaire Iceless Refrigerators. Delco Light Co., Dayton, O.
Frigidometers Marine Ice Detectors. McNab Co., Bridgeport, Conn.
Frink Pyrometers. Frink Pyrometer Co., Lancaster, O.
Frink Reflectors. I. P. Frink, Inc., New York.
Frisbie Friction Clutches. Eastern Machinery Co., New Haven, Conn.
Frisco Standard Engines. Standard Gas Engine Co., Oakland, Calif.
Frisco Standard Gas, Gasoline and Kerosene Engines. Standard Gas Engine Co., Oakland, Calif.
Frog Scrubbing Brushes. Standard Brush Co., New Hartford, Conn.
Front Rank Hot Air Furnaces and Piping. Haynes-Langenberg Mfg. Co., St. Louis, Mo.
Frontier Bronze Stock Bars and Bushings. Frontier Bronze Corp., Niagara Falls, N. Y.
Frontier Rubber Belting. Mountain States Rubber Company, Denver, Colo.
Frost Ball Cocks and Flushing Valves. Frost Mfg. Co., Kenosha, Wis.
Frost Killer Cannon Heater. The Tappan Stove Company, Mansfield, O.
Frost Killer Stoves. Eclipse Stove Co., Mansfield, O.
Frost King Engines. John Lauson Mfg. Co., New Holstein, Wis.
Frost King Ice Cream Freezer. Richmond Cedar Wks. Richmond, Va.
Frost King Radiator Protector. Mecca Mach. Co., Brooklyn, N. Y.
Frost Radio Jacks and Plugs. Herbert H. Frost, Chicago.
Frost's Cupboard Catches. Hardware Sup. Co., Grand Rapids, Mich.
Frostburg's Miners Safety Lamps. Hero Mfg. Co., Philadelphia.
Frosto Anti-freezing Water Closets. Haines, Jones & Cadbury Co., Philadelphia.
Frosto Lenses. Johnston Glass Co., Hartford, Ind.
Frotteurs Worsted Drawing Frames. Franklin Mach. Co., Providence, R. I.
Fruehauf Automobile Trailer. Fruehauf Trailer Co., Detroit, Mich.
Frugal Gas Sad Irons. American Pressing Iron Co., New York.
Fruin-Tobin Horseshoes. Fruin Drop Forge Co., Chicago.
Fruitall Pumps. Goulds Mfg. Co., Seneca Falls, N. Y.
Fruitall Spray Pumps. Goulds Mfg. Co., Seneca Falls, N. Y.
Fruit of the Loom Cotton Sheeting. B. B. & R. Knight Inc., Providence, R. I.
Fruit Picker Extension Ladders. Rich Pump Co., Cincinnati, O.
Frye Cut Off Saw Gauge. Ersted Mach. Mfg. Co., Portland, Ore.
Fry's Adjustable Draughting Tables. Fritz Mfg. Co., Grand Rapids, Mich.
Fry's Oven Glass. H. C. Fry Glass Co., Rochester, Pa.
Fry Test Glass. Williams, Brown & Earle, Inc., Philadelphia, Pa.
Fuel-ite Dynamite. Grasselli Powder Co., Cleveland.
Fuel-ite Explosives. Burton Powder Co., Pittsburgh, Pa.
Fuelsaver Furnace Regulators. F. D. Kees Mfg. Co., Beatrice, Neb.
Fulca Sheet Rubber Packing. Manhattan Rubber Mfg. Co., Passaic, N. J.
Fulco Coal Miners' Tools, Picks, Hatchets, Spike Bars, Etc. Fulton Tool Works, Huntington, W. Va.
Fulflo Pumps. Fulflo Specialties Co., Blanchester, O.
Fuller & Johnson Harrow Carts. Madison Plow Co., Madison, Wis.
Fuller Automobile Trunks. G. W. Fuller Co., Hartford, Conn.
Fuller Black Storage Batteries. Automatic Electric Co., Chicago.
Fuller Brushes. Fuller Brush Co., Hartford, Conn.
Fuller Harrow Carts. Madison Plow Co., Milwaukee, Wis.
Fuller-Kenyon Conveying Systems for Pulverized Materials. Fuller-Lehigh Co., Fullerton, Pa.
Fuller-Lehigh Pulverizers, Screen and Air Separating Types. Fuller-Lehigh Co., Fullerton, Pa.
Fuller Plum Bob. Williams, Brown & Earle, Inc., Philadelphia, Pa.
Fuller Pulverizing and Grinding Mills. Lehigh Car, Wheel and Axle Works, Catasauqua, Pa.
Fullers Cold Water and Dipping Paint. W. P. Fuller & Co., San Francisco.
Fuller's Wall Paper Cleaners, Cold Water Paste and Scaffold Builders. H. B. Fuller Co., St. Paul, Minn.
Fullman Electrical Fittings. Steel City Electric Co., Pittsburgh, Pa.
Fullner Water Filters. Moore & White Co., Philadelphia.
Full Ray Deflector. Purfex Mfg. Co., Philadelphia, Pa.
Full Speed Pulley Covering. Full Speed Chemical Lab., Chicago.
Fulmer Roof Snow Guards. J. H. Fulmer, Nazareth, Pa.
Fulton B. B. Mud Hook. The Fulton Co., Milwaukee, Wis.
Fulton Cane Sugar Mills, Cane Crushers. Corliss Engines, Cranes, Diesel Engines. Fulton Iron Works Co., St. Louis, Mo.
Fulton Centrifugal Pumps. Fulton Mach. & Vise Co., Lowville, N. Y.
Fulton Governors, Injectors, Ejectors, Pumps, Regulators and Valves. Chaplin-Fulton Mfg. Co., Pittsburgh, Pa.
Fulton Hack Saw Blades. Montgomery & Co., Inc., New York.
Fulton Hose and Packing. Manhattan Rubber Mfg. Co., Passaic, N. J.
Fulton Motor Truck. Fulton Motors Corporation, Farmingdale, L. I., N. Y.
Fulton Paints. Debevoise Co., Brooklyn, N. Y.
Fulton Pump Governors and Pressure Regulators. Chaplin-Fulton Mfg. Co., Pittsburgh.
Fulton Pumps and Vises. Fulton Mach. & Vise Co., Lowville, N. Y.
Fulton Radiator Hose. U. S. Rubber Co., New York.
Fulton Shotguns. Hunter Arms Co., Fulton, N. Y.
Fulton's 4F Brattice Cloth. Fulton Bag & Cotton Mills, Brooklyn, N.Y.
Fumoth Flour Moth Destroyers. F. A. Thompson & Co., Detroit, Mich.
Funnel Curtain Fixtures. Railway Curtain Co., Chicago.
Furnaseal Refractory Cement. Laclede-Christy Clay Products Co., St. Louis, Mo.
Furniture City Refrigerators. Norhtern Refrigerator Co., Grand Rapids, Mich.
Fusticlo Rail Contact Circuit Controller. Southern Signal Co., Louisville, Ky.
Fuswitch Fuse Switches. W. N. Matthews & Bro., St., Louis.
Fyberoid Insulating Paper. Wilmington Fibre Specialty Co., Wilmington, Del.
Fyber-Weld Goggles. Chicago Eye Shield Co., Chicago.
FyeR-Wall Sheet Metal Fire Doors. Richards-Wilcox Mfg. Co., Aurora, Ill.
Fyr-Man Fyr-Fyter Fire Extinguisher. The Fyr-Fyter Co., Dayton, O.

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G.-A. Radial and Thrust Ball Bearings. G.-A. Ball Bearing Mfg. Co., Chicago.
G.-B. Belting, Hose, etc. Gustin-Bacon Mfg. Co., Kansas City, Mo.
G. B. Firmedge Ribbons. Gerstein Brothers, New York.
G. B. Soldering Iron Heaters. G. Bickelhaupt Skylight Works, New York.
G. B. Valve Reseating Tools. G. B. Garage & Mfg. Co., Hempstead, N. Y.
G C H Castings. National Malleable Castings Co., Cleveland, O.
G. E. & M. Co. Pumps, Garage Compressors, Cylinders, Pumping Jacks, Dynamometers, Special Machinery and Staybolts, Etc., Guarantee Engineering & Machine Co., Los Angeles, Calif.
G E C O Rosettes and Resistors. General Elec. Co., Schenectady, N. Y.
G. E. Mazda Lamps. General Incandescent Lamp Works of G. E. Co., Cleveland.
G. E. Monogram Electrical Apparatus and Equipment. General Electric Co., Schenectady, N. Y.
G. E. Tungar Rectifiers. General Elec. Co., Schnectady, N. Y.
G-E-M Bilged Steel Barrels. Pressed Steel Products Co., Sharon, Pa.
G-E-M Steel Shipping Barrels. Pressed Steel Prod. Co., Sharon, Pa.
G F Allsteel Office Furniture; Filing Equipment and Safes; Filing Cabinet Supplies; Herringbone Metal Lath; Concrete Reinforcements, Waterproofing Compounds. The General Fireproofing Co., Youngstown, Ohio.
G. G. G. Hame Fasteners. G. G. G. Metal Stamping Co., Warren, Pa.
G. H. Manganese Steel Tongue Switches, Tracks and Street Railway Switches. Wm. J. Wharton & Co., Easton, Penna.
G. Hack Saw Machines. Goodell-Pratt Co., Greenfield, Mass.
G-K Engine Lathes. Greaves-Klusman Tool Co., Cincinnati, O.
G-K Sewer Joint Compound. Atlas Mineral Products Co., Allentown, Pa.
G. L. All Welded Push Bottom Oilers. Gustave Lidseen, Chicago.
G. L. B. Batteries. General Lead Batteries Co., Newark, N. J.
G. L. M. Switch Stands. Morden Frog & Crossing Wks., Chicago.
G. L. W. Spring Oiler. Hudson Sales Co., Chicago.
G-M Adjustable Reamer. General Machine Works, York, Pa.
G. M. C. Motor Trucks. General Motors Corp., Detroit, Mich.; General Motor Truck Co., Div. of General Motors Corp., Pontiac, Mich.
G M F C Co. Lime and Fertilizer Spreaders. H. M. Spahr, Baltimore, Md.
G. M. G. Paints and Varnishes. Garrett M. Goldberg, San Francisco.
G. N. S. Flotation Oils. General Naval Stores Co., New York.
G-O Farm Tractors. The General Ordnance Co., New York.
G. O. L. Pneumatic Chisel Steel. Carbon Steel Co., Pittsburgh, Pa.
G. P. & F. Automatic Accident Preventers for Machy. Presses. Milwaukee, Wis.
G. P. Muffler Cut-Out. Edw. A. Cassidy Co., Inc., New York.
G.-P. Tire Air Pumps. Gleason-Peters Air Pump Co., Brooklyn, N. Y.
G. P. Universal Joints. Gem Mfg. Co., Pittsburgh.
G. P. 888 Hack Saw Blades. Goodell-Pratt Co., Greenfield, Mass.
G. P. 777 Hack Saw Blades. Goodell-Pratt Co., Greenfield, Mass.
G R Garden and Air Hose. Goodall Rubber Co., Philadelphia, Pa.
G. R. Instantaneous Heaters and Oil Strainers. Griscom-Russell Co., New York.
G-R Open Heaters, Incinerators, Multiwhirl Oil Coolers. The Griscom-Russell Co., New York.
G. R. S. Relays, Electric Clothes Washer; Electric Dish Washer. General Railway Signal Co., Rochester, N. Y.
G.-S. Combination Drill and Milling Mach. Vises. Gersnonow Simon Machine Works, Rochester, N. Y.

G. S. Plasterers' Steel Beads. Union Metal Corner Co., Boston.
G T D Gauges, Screw Cutting Tools, Pipe Tools, Machine Tools. Greenfield Tap & Die Corp., Greenfield, Mass.
G V Electric Trucks. General Vehicle Co., Long Island City, N. Y.
G-V. Tower Wagons. General Vehicle Co., Long Island City, N. Y.
G. V. Universal Conduit Couplings, Ground Connection Clamps and Junction Boxes. Gillette-Vibber Co., New London, Conn.
G. W. Cement. Great Western Portland Cement Co., Kansas City, Mo.
G. W. Metal Polish. Great Western Oil Co., Cleveland.
G. W. K. Ring and Spiral Packing. Geo. W. Knowlton Rubber Co., Boston.
G & B Pumps. Gilbert & Barker Mfg. Co., Springfield, Mass.
G. & B. Wire Fencing, Netting, Wire Cloth, Coal Screens, Etc. Gilbert & Bennett Mfg. Co., Georgetown, Conn.
G & E Shapers and Hobbers. Gould & Eberhardt, Newark, N. J.
G. & G. Ash Can and Telescopic Hoists. Gillis & Geoghegan, New York.
G & G Telescopic Hoists. Gillis & Geoghegan, New York.
G. & K. Belting, Leather Shafting Rings. Graton & Knight Mfg. Co., Worcester, Mass.
G & K Packings. The Graton & Knight Mfg. Co., Worcester, Mass.
G. & L. Boring and Wood Trimming Machines. Giddings & Lewis Machine Tool Co., Fond du lac, Wis.
G & O Auto Radiators. The G & O Mfg. Co., New Haven, Conn.
G. & R. Gun Cleaning Rods. G. G. Rupert, Decatur, Ill.
G. & S. Neverbreak Automobile Tire Trunks. L. Goldsmith & Son, Newark, N. J.
Gable Water Heaters. McDowell Mfg. Co., Pittsburgh.
Gabriel Concrete Bars. Bethlehem Steel Co., Bethlehem, Pa.
Gabriel Deformed Bars. Bethlehem Steel Company, Bethlehem, Pa.
Gabriel Snubbers (for Auto Springs). Gabriel Mfg. Co., Cleveland, O.
Gabriel Wind Shield Cleaners. Gabriel Mfg. Co., Cleveland.
Gaco Gauges, Gauge Cocks, Exhaust Heads, Roof Ventilators. Pittsburgh Gage & Supply Co., Pittsburgh.
Gade Air Cooled Engines. Gade Bros. Mfg. Co., Iowa Falls, Ia.
Gade Farm Gates. Gade Bros. Mfg. Co., Iowa Falls, Ia.
Gage Carpenters' Gauges. Gage Tool Co., Vineland, N. J.
Gage Planes, Iron and Wood. Stanley Rule & Level Plant, New Britain, Conn.
Gage Self-Setting Plane. Gage Tool Co., Vineland, N. J.
Gailor Rail Joints. Rail Welding & Bonding Co. of Am., Cleveland.
Gainaday Electric Washer and Wringer. Pittsburgh Gauge & Supply Co., Pittsburgh.
Gaines Lock Nuts. Capital Lock Nut & Washer Co., Columbus, O.
Gaines Locomotive Furnace and Combustion Chamber. American Arch Co., New York.
Galalith Buttons. Waterbury Button Works, Waterbury, Conn.
Galbraith Davit Turning Gear. C. C. Galbraith & Son, New York.
Gale Agricultural Tools. Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Gale-Baldwin Ensilage Cutters. Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Gale Barn Ventilators. Galesburg Sheet Metal Works, Galesburg, Ill.
Gale Beet Cultivators, Beet Pullers, Gang Plows, Bean Harvester Attachments. Gale Mfg. Co., Albion, Mich.
Gale Propeller Wheels. Hyde Windlass Co., Bath, Me.
Gales Commutator Dressing. McLenan Paint Co., Chicago.
Galena Animal Pokes. Hughes & Smythe, Galena, Ohio.
Galena Perfection Valve and Signal Oils. Galena-Signal Oil Co., Franklin, Pa.
Galesburg Broom Corn Cleaners, Scrapers and Baking Broom Corn Presses. Shaw, Walsh & Co., Galesburg, Ill.
Galesburg Stalk Cutters. Galesburg Coulter Disc Co., Galesburg, Ill.
Galesburg Discs and Coulter Blades. Galesburg Coulter Disc Co., Galesburg, Ill.
Gal-Far Medical Batteries. Leon W. Pullen Co., Philadelphia.
Galion Road Machines and Graders. Galion Iron Works & Mfg. Co., Galion, O.
Galion Stone Unloader. The Galion Iron Works & Mfg. Co., Galion, O.
Galland-Henning Balers; Dryers; Presses. Galland-Henning Co., Milwaukee, Wis.
Gall-Cure Horse Collar Pads. Gall Cure Collar Pad Co., No. Baltimore, O.
Gallery Rifle No. 75 Powder. E. I. du Pont de Nemours & Co., Inc., Explosives & Smokeless Powder Depts., Wilmington, Del.
Galloway Gasoline Blow Torches. Otto Bernz, Newark, N. J.
Galloway Gasoline Engines. Wm. Galloway, Waterloo, Ia.
Gally Printing Machinery. National Machine Co., Hartford, Conn.
Galsig Brand Lubricating and Signal Oils. Galena-Signal Oil Co., Franklin, Pa.
Galusha Gas Producers. Gas Producer & Engineering Corp. of New Jersey, New York.
Galva Boilers. Mulford Heater Co., Galva, Ill.
Galva Steam and Hot Water Heaters. Galva Heater Co., Galva, Ill.
Galvacote Passenger Car Paint. Chas. R. Long, Jr., Co., Louisville, Ky.
Galvaduct Electric Conduit. Garland Mfg. Co., Pittsburgh, Pa.
Galvanique Screen Cloth. U. T. Hungerford Brass & Copper Co., New York.
Gal-Va-Nite Building Material. Ford Mfg. Co., Chicago.
Gal-va-nite Roofing and Sanitary Flooring. Ford Roofing Products Co., Chicago.
Galvanized Garbage Pails. Dover Stamping & Mfg. Co., Cambridge,
Galvanoid Wire Cloth. Am. Wire Fabrics Co., Chicago.
Galvano Stove Pipe and Elbow. Hemp & Co., St. Louis.
Galvanum Galvanized Iron Paint. The Goheen Mfg. Co., Newark, N. J.
Galvex Wire Screening. Wright Wire Co., Worcester, Mass.
Gambier Boiler Compounds. A. G. Belden, New York.
Game Junior Oil Stoves. Taylor & Boggis Foundry Co., Cleveland.
Game Oil Stoves. Taylor & Boggis Foundry Co., Cleveland.
Gamma Colored Cotton Waste. Massasoit Mfg. Co., Fall River, Mass.
Gammons Helical Reamers and End Mills. Gammons-Holman Co., Manchester, Conn.
Gammon Side Dump Body for Motor Trucks. Pechstein Iron Wks., Inc., Keokuk, Ia.
Gammons Taper Pin Reamer. Gammons-Holman Co., Manchester, Conn.
Gamo Triplex Orchard Pumps. Orchard Mach. Mfg. Co., Gasport, N. Y.
Gandy Belting. Gandy Belting Co., Baltimore, Md. C. O. Bartlett & Snow Co., Cleveland, O
Ganisand Fire Sand. Quigley Furnace Specialties Co., New York.
Ganly Phonographs. Ganly Phonograph Co., Newport News, Va.
Gantier Crucible. J. H. Gantier & Co., Jersey City, N. J.
Gant Rope Meter. E. M. Gant Mfg. Co., Inc., Ethridge, Tenn.
Gantt Coke Annealing Furnaces. A. P. Witteman & Co., Phila, Pa.
Gapho Foundry Facings. Pure Carbon Co., Wellsville, N. Y.
Gapp Locomotive Sanders. American Safety Lamp & Mine Supply Co., Scranton, Pa.
Garage Vises. Bonney Forge & Tool Works, Allentown, Pa.
Garco Packing, Gaskets, Brake Lining. General Asbestos & Rubber Co., Charleston, S. C.
Garco Asbestos Products. General Asbestos & Rubber Co., Charleston, S. C.
Garco Brake Lining. General Asbestos & Rubber Co., Charleston, S. C.
Garco Waterproof Packing. General Asbestos & Rub. Co., Charleston, S. C.
Garcy Shelf Brackets. Garden City Plating & Mfg. Co., Chicago.
Garden City Feeder and Weigher. Garden City Feeder Co., Pella, Ia.
Garden City Lawn Sprinkler. W. D. Allen Mfg. Co., Chicago.
Garden King Garden Cultivators. Thornburg Mfg. Co., Bowling Green, O.
Gardener Bucket Spraying Pumps. W. & B. Douglas, Middletown, Conn.
Gardener's Choice Cart Springs. Deming Co., Salem, O.
Gardiner's Anti-Rust Paints. Gardiner Paint Co., New York.
Gardner Disc Grinders, Buffing and Polishing Lathes and Wheels. Gardner Machine Co., Beloit, Wis.
Gardner Automobiles. Gardner Motor Co., St. Louis.
Gardner Boilers. Royal Steam Heater Co., Gardner, Mass.
Gardner Bung Hole Bushings. Heartley Machine Variety Iron & Tool Works, Toledo, O.
Gardner Compressors, Governors, Pumps, Separators. Gardner Governor Co., Quincy, Ill.
Gardner Improved Abrasive (G. I. A.) Discs. Gardner Machine Co., (South Beloit), Beloit, Wis.
Gardner Sand Papering Machines. Gardner Machine Works, Gardner, Mass.
Gardner Soot Blower. Power Appliances Co., Chicago.
Gardner Steam Separators. Gardner Governor Co., Quincy, Ill.
Garfield Injectors. Ohio Injector Co., Wadsworth, O.
Garfield Knapsack Sprayer Pumps. Field Force Pump Co.
Garfield Ore Crushing Rolls. Worthington Pump and Machinery Corp., New York.
Garford Auto Handhorn. Garford Mfg. Co., Elyria, O.
Garford Model E. Phonographs. General Phonograph Mfg. Co., Elyria, Ohio.
Garford Motor Trucks. The Garford Motor Truck Co., Lima, O.
Gargoyle Lubricating Oils and Greases. Vacuum Oil Co., New York.
Garilles Carbureters. Bowen Corp., Detroit, Mich.
Garl Automobile Cigar Lighter. Carl Electric Co., Akron, Ohio.
Garland Car Ventilators. Hegeman-Castle Corp., Chicago. Holden & White, Chicago. Ross Wortham Co., Chicago.
Garland Lawn Mowers. American Lawn Mower Co., Muncie, Ind.
Garland Stoves and Ranges. Michigan Stove Co., Detroit, Mich.
Garlock-883 All Metal Locomotive Air Pump Packing. The Garlock Packing Co., Palmyra, N. Y.
Garlock-900 Compressed Asbestos Fibre Sheet Packing. The Garlock Packing Co., Palmyra, N. Y.
Garlock-950 Compressed Asbestos Fibre Gaskets. The Garlock Packing Co., Palmyra, N. Y.
Garlock-150 High Pressure, Asbestos Spiral Packing. The Garlock Packing Co., Palmyra, N. Y.
Garlock-1700 Cabcock Packing. The Garlock Packing Co., Palmyra, N.Y.
Garlock Packing, Gaskets, etc. Garlock Packing Co., Palmyra, N. Y.
Garlock-22 Red Sheet Packing. The Garlock Packing Co., Palmyra, N. Y.
Garlock-1200 Reverse Gear Piston Packing. The Garlock Packing Co., Palmyra, N. Y.
Garlock-1225 Reverse Gear Piston Rod Packing. The Garlock Packing Co., Palmyra, N. Y.
Garlock-2200 Throttle Packing. The Garlock Packing Co., Palmyra, N.Y.
Garnet Air and Water Hose. Mulconroy Co., Inc., Philadelphia.
Garnet Hose. Mulconroy Co., Inc., Philadelphia. Pa.
Garnet Packing. Mechanical Rubber Co., Cleveland, O.
Garnett Face Mask. International Purchasing Bureau, Chicago.
Garratt Pumps and Marine Valves. W. T. Garratt & Co., San Francisco.
Garratt Cleanout Gate Valves. W. T. Garratt & Co., San Francisco.
Garrett Feed Water Heaters and Regulators. W. D. Garrett & Co., New York.
Garrett Lathe Attachment. Garrett Attachment Co., Nashville, Tenn.
Garrett's Auger Bit Gauges. Bonney Vise & Tool Works, Allentown, Pa.
Garrett's-McKellar Steam Traps. W. T. Garrett & Co., San Francisco, Cal.
Garrison Plumping Specialties. Garrsion Brass & Machine Works, New York.
Garton-Daniels Lighting Arresters. Electric Service Supplies Co., Philadelphia, Pa.
Garton Trolley Wheels. Electrical Material Co., Chicago.
Gar-Van Gear Shift. Wenzell Specialty Co., Philadelphia, Pa.
Garvie Cleanout Ferrules. Peck Bros. & Co., New Haven, Conn.
Garvin Machine Tools. Garvin Machine Co., New York.
Garwood Bench Legs. Garwood Bronze & Iron Works, Garwood, N. J.
Gary-Cummings Torsion Meters. Cummings Ship Instrument Works, Boston.
Gas Arc Lamps and Gas Lighting Supplies. General Gas Light Co., Kalamazoo, Mich.
Gas Fitters' Tool Cart. The Lansing Company, Lansing, Mich.
Gasaver Incandescent Gas Mantles. F. A. Smith Mfg. Co., Rochester, N.Y.
Gasco Fire Brick. Stockton Fire Brick Co., San Francisco.
Gasco Gasoline Economizer. The Gasket Supply Co., Philadelphia, Pa.
Gasco Packing. The Gasket Supply Co., Philadelphia, Pa.
Gasengin Spark Plugs. Stitt Ignition Co., Columbus, O.
Gasgo Gasoline. Gasoline Corporation, New York.
Gasmaco Gas Plant Apparatus. Gas Machinery Co., Cleveland, O.
Gaso Combination Burner. Gaso Pump & Burner Mfg. Co., Tulsa, Okla.
Gaso-Kero Gas Engines. Bessemer Gas Engine Co., Grove City, Pa.
Gaso Oil Line Pumps. Gaso Pump & Burner Mfg. Co., Tulsa, Okla.
Gasoline-Air Rock Drills. Ingersoll-Rand Co., New York.
Gasograph-Dashboard Gasoline Gauge. New Standard Adding Mach. Co., St. Louis, Mo.
Gasorator Vaporizers. Gasorator Co., Bridgeport, Conn.
Gas Power Starter. Railroad Water & Coal Handling Co., Chicago.
Gasteam Radiators. James B. Clow & Sons, Chicago.
Gastine (Gasoline Purifier). Gastine Co., Bridgeton, N. J.
Gas Tite Piston Ring. Chance Company, Centralia, Mo.
Gaterman Pea Harvesters, Bunchers, Windrowers, Etc. W. Gaterman Mfg. Co., Manitowoc, Wis.
Gates Rock and Ore Breakers. Allis-Chalmers Mfg. Co., Milwaukee, Wis
Gateways Paints. Gateways, Inc., Newport News, Va.
Gatling Tire Air Pumps. Lake Erie Mfg. Co., Buffalo, N. Y.
Gato Valves. A. W. Cadman Mfg. Co., Pittsburgh, Pa.
Gauntt Feeders. W. J. Savage Co., Knoxville, Tenn.
Gauntlet 2-Ply and 3-Ply Prepared Roofing. Barrett Co., New York.

Gaylord Boxes. Robert Gaylord, Inc., St. Louis, Mo.
Gaylord Plow Coulters. Galesburg Coulter Disc Co., Galesburg, Ill.
Gaynor Wall Plates, Light Controls, Etc. Gaynor Mfg. Co., The, Bridgeport. Conn.
Gay's Screw Drivers. Geo. E. Gay, Augusta, Me.
Gazelle Pattern Drill Chucks. Skinner Chuck Co., New Britain, Conn.
Gazelle Vehicle Axles. Burgess-Norton Mfg. Co., Geneva, Ill.
Geag Mine Lamps. Concordia Safety Lamp Co., Pittsburgh, Pa.
Gear Life Lubricant. Area Mfg. Co., Chicago.
Gear-O-Lite Flywheel Bands, Gears, etc. Ralph N. Grodie Co., Oakland, Cal.
Gear-Scott Traction Engines. Advance-Rumely Co., La Porte, Ind.
Gearease Transmission Grease. Swan & Finch Co., New York.
Geared Pattern Drill Chucks. Skinner Chuck Co., New Britain, Conn.
Geared Pumps. Otto J. Kerschensteiner, Jefferson, Wis.
Geared Solid Die Stocks. Boston Co., Warren, O.
Gearless Cars and Trucks. Gearless Motor Corp., Pittsburgh, Pa.
Gearless Engines. Gearless Gas Engine Co., Springfield, O.
Geary Water Tube Boilers. Oil City Boiler Works, Inc., Oil City, Pa.
Gee Haw Horse Collars. Couch Bros. Mfg. Co., Atlanta, Ga.
Gee Lubricators. McNab & Harlin Mfg. Co., Paterson, N. J.
Gee Saw Benches. Chas. E. Gee, Lowell, Mass.
Gee Vee Electrical Fittings. Gillette-Vibber Co., New London, Conn.
Gee Whiz Alarm Clocks. W. L. Gilbert Clock Co., Winsted, Conn.
Gehl Ensilage Cutter. Gehl Bros. Mfg. Co., West Bend, Wis.
Gehnrich Industrial Ovens. Gehnrich Indirect Heat Oven Co., Inc., Long Island City, N. Y.
Geier Straightening Presses. P. A. Geier Co., Cleveland.
Geipel Steam Traps. John Platt & Co., New York.
Geiser Check Valves. Long Grate Bar Co., Buffalo, N. Y.
Geiser Peerless Hay Presses, Threshers, Portable Sawing Mills and Rigs, Self Feeders, Straw Stackers. Emerson-Brantingham Co., Rockford, Ill.
Geisey's Casement Window Hinges. Steiner & Voegtly Hardware Co., Pittsburgh.
Gesler Reinforced Concrete Pipe. L. S. Gesler & Son, Fillmore, N. Y.
Geissler Batteries and Igniters. Geissler Storage Battery Co., New York.
Geist Auto Engine and Radiator Heaters. Geist Mfg. Co., Atlantic City, N. J.
Gelsonite Asphalt Cements. Certain-teed Products Co., St. Louis.
Gem Adding Machines. Automatic Adding Machine Co., New York.
Gem Air Valves, Lawn Sprinklers, Stamping Works and Hose and Spray Nozzles. Beaton & Caldwell Mfg. Co., New Britain, Conn.
Gem Apple Corers. National Enameling & Stamping Co., New York.
Gem Asbestos Protected Metal Roofing. Moeschl-Edwards Corrugating Co., Covington, Ky.
Gem Ash Sifters, Aluminum Coffee Pots, Automobile Mufflers, Gauges and Milk Bottle Caps. Gem Stamped Steel Co., Chelsea, Mass.
Gem Auto Dollie Creepers and Folding Camp Bed. W. J. Broome Mfg. Co., Los Angeles, Cal.
Gem Barrels Covers. M. H. Parks & Co., Winchendon, Mass.
Gem Bilged Steel Barrels. The Petroleum Iron Works Co., Sharon, Pa
Gem Boiler Flue and Tube Cleaners, Breast Drills, Locomotive Torches, Engine and Machine Oilers, Flexible Shafts, Factory and Mine Torches, Fillers, Flue Brushes, Grinders, Oil Cans, Portable Drills, Shop and Engine Torches, Torch Lamps, Universal Joints Gem Mfg. Co., Pittsburgh, Pa.
Gem Box Trucks. Andrew Plocher Sons Co., Dayton, Ohio.
Gem Car Closets. Dayton Mfg. Co., Dayton, O.
Gem Carburetors. Andrew Kirkpatrick, New York.
Gem Carpet Beaters. Standard Wire Co., New Castle, Pa.
Gem Chimney Caps, Concrete Finishing Tools. Kramer Bros. Foundry Co., Dayton, Ohio.
Gem City Horizontal Boilers. A. D. Granger Co., New York.
Gem Clamp Spindles. Gem Mfg. Co., Pittsburgh.
Gem Crayons. Standard Oil Co. of New York, New York.
Gem Curtain Fixture No. 300. Morton Mfg. Company, Chicago.
Gem Dadelawn Rakes. Casement Hardware Co., Chicago.
Gem Desk Calendars. Defiance Mfg. Co., New York.
Gem Door and Window Bolts and Drawer Locks. Sargeant & Greenleaf, Inc., Rochester, N. Y.
Gem Door Hangers. Richards-Wilcox Mfg. Co., Aurora, Ill.
Gem Engines. Capital Gas Engine Co., Indianapolis, Ind.
Gem Feed and Clover Cutters. Wilson Bros., Easton, Pa.
Gem Finger Nail Clippers. H. C. Cook Co., Ansonia, Conn.
Gem Flexible Shafting. Gem Mfg. Co., Pittsburgh, Pa.
Gem Flour Sifters. J. L. Clark Mfg. Co., Rockford, Ill.
Gem Fly Swatters. J. B. Timberlake & Sons, Jackson, Mich.
Gem Food Choppers. Sargent & Co., New Haven, Conn.
Gem Fountain Pens. Standard & Vulcanite Pen Co., Brooklyn, N. Y.
Gem Garden Cultivators. Moore Plow & Implement Co., Greenville, Mich.
Gem Garden Cultivators. Whitaker Mfg. Co., Chicago.
Gem Gas Ranges. Dangler Stove Co., Cleveland, O.
Gem Grass Hooks. Wallingford Mfg. Co., Wallingford, Vt.
Gem Grease Cups. Lunkenheimer Co., Cincinnati, O.
Gem Hay Presses. Geo. Ertel Co., Quincy, Ill.
Gem Hinges. L. F. Grammes & Sons, Inc., Allentown, Pa.
Gem Hinges, Springs, Door Pulls. Columbian Hardware Co., Cleveland, Ohio.
Gem Hose Nozzles. Crane Co., Bridgeport, Conn.; Crane Co., Chicago.
Gem Hose Racks and Reels. Bowers Rubber Wks., San Francisco, Cal
Gem Hot Air Furnaces. Robinson Furnace Co., Chicago.
Gem Ice Cream Freezers and Ice Shavers. North Bros. Mfg. Co., Philadelphia.
Gem Ice Cubes Cutting Machines. Reinhold Mfg. Co., Detroit.
Gem Incandescent Lamps. General Electric Co., Schenectady, N. Y.
Gem JR. Finger Nail Clippers. H. C. Cook Co., Ansonia, Conn.
Gem Kettle Bottoms. Hamblin & Russell Mfg. Co., Worcester, Mass.
Gem Kettle Scraper. Vaughan Novelty Mfg. Co., Chicago.
Gem Lamp Chimney Heaters, Self-Oiling Pulleys. Wrightsville Hardware Co., Wrightsville, Pa.
Gem Lamp Cord Adjusters. M. B. Austin & Co., Chicago.
Gem Mitre Boxes. Geo. E. Gay, Augusta, Me.
Gem Mop Sticks and Holders. Arcade Mfg. Co., Freeport, Ill.
Gem Nail Pullers. Moore Drop Forging Co., Springfield, Mass.
Gem No. 4 Valves. Beaton & Caldwell Mfg. Co., New Britain, Conn.
Gem Nutmeg Graters. Caldwell Mfg. Co., Rochester, N. Y.
Gem Oil Burner. H. A. Gretter, Frankfort, Ky.
Gem Oil Stones, Sharpeners and Whet Stones. Chicago Wheel & Mfg. Co., Chicago.
Gem Paper Clips. Cushman & Denison Mfg. Co., New York; Noesting Pin Ticket Co., Mt. Vernon, N. Y.
Gem Postal Scales. Triner Scale & Mfg. Co., Chicago.
Gem Pot Scrapers. Browne & Dowd Mfg. Co., Meriden, Conn.
Gem Pruning Saw and Hook. Ohlen-Bishop Co., Columbus, Ohio.
Gem Pumps. Geo. J. Roberts Co., Dayton, Ohio.
Gem Rubber Belting and Hose. Mulconroy Co., Philadelphia, Pa.
Gem Safety Razors. Gem Safety Razor Co., Brooklyn, N. Y.
Gem Shoe Blacking and Polishes. Frank Miller Co., New York.
Gem Shoe Holder Shiners. Piqua Bracket Co., Piqua, Ohio.
Gem Sink Brushes. Universal Brush Co., Freeport, Ill.
Gem Soldering Sets. Millers Falls Co., Millers Falls, Mass.
Gem Spray Pumps. Barnes Mfg. Co., Mansfield, O.
Gem Steel Barrels. Petroleum Iron Wks. Co., Sharon, Pa.
Gem Steel Ranges. Toledo Stove & Range Co., Toledo, Ohio.
Gem Stone Polishing Machines. F. R. Patch Mfg. Co., Rutland, Vt.
Gem Switch Boxes and Non-Indicating, Non-Renewable Cartridge Fuses. Chicago Fuse Mfg. Co., Chicago.
Gem Torrid Steam and Hot Water Heaters. W. H. Drake Co., Newark, N. J.
Gem Trip Signal Gongs. Gong Bell Mfg. Co., East Hampton, Conn.
Gem Warm Air Furnaces. Munson-McCairnes Heater & Foundry Co., Connellsville, Pa.
Gem Washing Machines. Grinnell Washing Machine Co., Grinnell, Ia.
Gem Water Filters. Jones Mfg. Co., Boston, Mass.
Gem Water Heaters. Fredolin Schifferle, St. Louis.
Gem Water Heaters, Latches, Rural Mail Boxes. C. A. Peck Hdwe. Co., Berlin, Wis.
Gem Water Meters. National Meter Co., New York.
Gem Wheel Garden Hoes. Bateman Mfg. Co., Grenloch, N. J.
Gem Wire Holders. Fletcher Mfg. Co., Dayton, Ohio.
Gemco Automobile Accessories. Gemco Mfg. Co., Milwaukee, Wis.
Gemmer Auto Steering Gears. Gemmer Mfg. Co., Detroit, Mich.
Genasco Asphalt Shingles, Building and Insulating Paper, Asphalt Paints, Roofing, Paving and Waterproofing Materials, Mastic Flooring, Motor Oil, Tractor Oil, Transmission and Cup Grease, Latite Asphalt Shingles, Barber Asphalt Paving Co., Philadelphia, Pa.
Genco Cutlery. Geneva Cutlery Co., Geneva, N. Y.
Gendron Children's Carriages, Doll Vehicles, Invalid Chairs and Bicycles. Gendron Wheel Co., Toledo, Ohio.
Genelite Self-Lubricating Bearing Metal. General Electric Co., Schenectady, N. Y.
General Bolster Springs. Racine General Mfg. Co., Racine, Wis.
General Motor Trucks. General Motor Truck Co., Pontiac, Mich.
General Rubber Tires. General Tire & Rubber Co., Akron, Ohio.
General Tires. The General Tire & Rubber Co., Akron, O.
Genesco Paint Oils. Hegeman-Castle Corp., Chicago; Holden & White, Chicago.
Genese Rollers, Scrapers. Genese Valley Mfg. Co., Mt. Morris, N. Y.
Genesee Hose and Packing. Consolidated Rubber Co., Trenton, N. J.
Genesee Lawn Mowers. Mathews & Boucher, Rochester, N. Y.
Genesee Leather Belting. Cross Bros. Co., Rochester, N. Y.
Genesee Reclaimed Rubber. U. S. Rubber Reclaiming Works, New York.
Genesee Valley Bluestone Producers. American Blue Stone Co., Warshaw, N. Y.
Genesee Water Closets. Nunn Brass Works, Rochester, N. Y.
Genesee Wheel Barrow. The Lansing Company, Lansing, Mich.
Geneva Adapto Farm Tractors. Geneva Tractor Co., Geneva, O.
Geneva Automobiles. Geneva Wagon Co., Dept. H, Geneva, N. Y.
Geneva Feed Cutters. Hocking Valley Mfg. Co., Lancaster, Ohio.
Geneva Security Metal Wheels. Geneva Metal Wheel Co., Geneva, O.
Geneva 600 Screen Door Hinges. Champion Hardware Co., Geneva, O.
Geneva Steel Wheels. The Geneva Metal Wheel Co., Geneva, O.
Geneva Wagonettes, Ambulances and Delivery Wagons. Geneva Wagon Co., Geneva, N. Y.
Genolite Lighting System. The Detroit Starter Co., Detroit, Mich
Gentry Electric Massage Vibrators. Shelton Electric Co., New York.
Genuine A-1 Hard Babbitt Metal. Pittsburgh White Metal Company, Pittsburgh, Pa.
Genuine Armstrong Stocks and Dies. Armstrong Mfg. Co., Bridgeport, Conn.
Genuine Babbitt Metal. V. Henning & Sons, Brooklyn, N. Y.; Pittsburgh White Metal Co., Pittsburgh.
Genuine Barnes Pipe Cutters. Barnes Tool Co., New Haven, Conn
Genuine Bronze Screen Cloth. U. T. Hungerford Brass & Copper Co., New York.
Genuine Concord Axles. Concord Axle Co., Penacook, N. H.
Genuine Detroit Valves, Gauges, Lubricators. Detroit Lubricator Co., Detroit, Mich.
Genuine Huntington Emery Wheel Dressers. Chicago Screw Co., Chicago; Detroit Screw Works, Detroit, Mich.
Genuine Indian Tanned Belting. Wm. Etsweiler & Co., Phila, Pa.
Genuine Kanawha Salt. J. Q. Dickinson & Co., Malden, W. Va.
Genuine Murdock Hydrants. The Murdock Mfg. & Supply Co., Cincinnati, O.
Genuine Ney Hay Carriers. Ney Mfg. Co., Canton, Ohio.
Genuine Open Hearth Iron. Newport Rolling Mill Co., Newport, Ky.
Genuine Open Hearth Iron, Billets and Blooms. Andrews Steel Co., Newport, Ky.
Genuine Patterson Blocks. Pittsburgh Block & Mfg. Co., Pittsburgh, Pa.
Genuine Phila. Lawn Mowers. Phila. Lawn Mower Co., Philadelphia.
Genuine Scotch Eureka Gauge Glasses. Diamond Specialty Supply Co., Philadelphia.
Genuine Squires Steam Traps. C. E. Squires Co., Cleveland, O.
Genuine Walworth Stillson Wrenches. Walworth Mfg.Co.,Boston,Mass.
Genuine Wrought Iron Pipes. Reading Iron Co., Reading, Pa.
Gen-Wire Coiled Springs. General Spring & Wire Co., Detroit, Mich.
Geometric Die Heads, Screw Cutting Tools and Taps. The Geometric Tool Co., New Haven, Conn.
George H. Corliss, Steam Engines. Franklin Mach. Co., Providence, R. I.
George Trolley Splicers. Holland Trolley Supply Co., Cleveland, O.
Geo. Washington Wood Stoves. Gray & Dudley Hardware Co., Nashville, Tenn.
George Window Sash and Window Sash Pivots. International Window Mfg. Co., Philadelphia.
Georgia Fertilizer Distributors. Southern Plow Co., Columbus, Ga.
Georgia Marble. Georgia Marble Co., Tate, Ga.
Georgia Tank Valves. Rundle-Spence Mfg. Co., Milwaukee, Wis.
Geraordts Fire-Proof Floors. Sanitary Fire Proofing & Contracting Co., New York.
Gerlach Saw Gummers. Peter Gerlach Co., Cleveland, Ohio.
Gerlinger Lumber Carrier and Log Bunk. Dallas Machine & Locomotive Works, Dallas, Ore.
German American Dynamo Brushes. Goldmark & Wallace, New York.
German Hot Air Furnaces. Gem City Stove Mfg. Co., Quincy, Ill.
Germann Die-Cast Parts. Germann Bronze Co., Erie, Pa.
Germanstone Sanitary Floors. Petrium Sanitary Sink Co., Berkeley, Cal.
Germantown Lamp Black. L. Martin Co., New York.

Germantown Master Builders Hammers and Hatchets. Griffith Tool Works, Philadelphia.
Germicide Composition Marine Paint. American Marine Paint Co., San Francisco.
Germproof Telephone Mouthpieces. American Electric Co., Chicago.
Gerstner Tool Cases. H. Gerstner & Sons, Dayton, O.
Gertrude Pig Iron. Illinois Steel Co., Chicago.
Geryk Vacuum Pumps. Fahn & McJunkin, New York.
Gesco Asbestos Gaskets, Bottle Caps, Paper Clips, Glass Jars, Skewers, Stoppers and Spring Cotters. Gem Stopper Co., Philadelphia.
Gesco Tube Cleaners. General Specialty Co., Buffalo, N. Y.
Get-A-Bout Motorcycles. Schickel Motor Co., Stamford, Conn.
Getchells Engine and Machine Oilers. Draper Co., Hopedale, Mass.
Getsum Fly Swatter. Wilson-Hurd Co., Wausau, Wis.
Geyer Propeller Wheels. Marine Hardware Co., Peabody, Mass.
Geyser Bidets. J. L. Mott Iron Works, Trenton, N. J.
Geyser Clothes Washing Machines. Geyser Electric Co., Chicago.
Geyser Electric Water Heater. National Elec. Water Heater Corp., New York; Aqua Electric Heater Co., Bridgeport, Conn.
Geyser Fire Hose. O. C. Neckley Co., Chicago.
Geyser Leather Belting. Hartley-Rose Belting Co., Pittsburgh, Pa.
Geyser Pumps. The F. E. Myers & Bro., Ashland, O.
Geyser Steam and Hot Water Heaters. Thatcher Furnace Co., New York.
Geyser Urns. Bramhall Deane Co., New York.
Giant Ammite Powders, Gelatin, Judson Improved Powder, Stumping Powder. The Giant Powder Company, Cons., San Francisco, Calif
Giant Ash and Garbage Cans. Central Stamping Co., New York.
Giant Barrel Truck. Omaha Folding Machine Co., Omaha, Neb.
Giant Belting and Packing. Revere Rubber Co., Boston, Mass.
Giant Belt Lacing. Chas. A. Schieren & Co., New York.
Giant Blasting Supplies. Giant Powder Co., San Francisco.
Giant Breast and Chain Drills. Goodell-Pratt Co., Greenfield, Mass.
Giant Bull Dog Presses and Seals. Keystone Seal & Press Co., Brooklyn, N. Y.
Giant Car Brakes. Lord Mfg. Co., Brooklyn, N. Y.
Giant Car Stoves. Buda Co., Harvey, Ill.
Giant Cement. Giant Portland Cement Co., Philadelphia.
Giant Chain Drills. Goodell-Pratt Co., Greenfield, Mass.
Giant Champion Car Bells and Gongs. Patrick, Carter & Wilkins Co., Philadelphia, Pa.
Giant Confectioners' Gas Furnaces. Edw. Katzinger Co., Chicago.
Giant Crystans. Foote Mineral Co., Inc., Philadelphia.
Giant Cutters. Taylor, Stiles & Co., Riegelsville, N. J.
Giant Door Hangers. Hunt, Helm, Ferris & Co., Harvard, Ill.
Giant Door Hangers. Barn Door Rails. F. E. Myers & Bro., Ashland, O.
Giant Electric Car Brakes. Lord Mfg. Co., New York.
Giant Emery Grinders. Electric Diamond Machine Co., New York.
Giant Explosives. Giant Powder Co., San Francisco.
Giant Feed Cutters and Mills, Sawing Machines. Frank Hamachik, Kewaunee, Wis.
Giant Feed Grinding Mills and Sweep Horse Powers. Kewaunee, Wis.
Giant Fire Hose. Hercules Rubber & Supply Co., San Francisco, Calif.
Giant Fuel Oil, Gas and Gasoline Engines, Rock Drills. Chicago Pneumatic Tool Co., New York.
Giant Griffin Mills. Bradley Pulverizer Co., Boston, Mass.
Giant Grinders. Luther Grinder Mfg. Co., Milwaukee, Wis.
Giant Grip Horse Shoes, Drive Calks. Giant Grip Horse Shoe Co., Oshkosh, Wis.
Giant Grip Non-Skid Chains. Challoner Co., Oshkosh, Wis.
Giant Hoes. American Fork & Hoe Co., Cleveland.
Giant Hooks. Mfg. Belt Hook Co., Chicago.
Giant Insulating Paper. The Ruberoid Co., New York, Chicago and Boston, Mass.
Giant, Jr. Two-Step Folding Step Ladders. Alibon Wood & Metal Products Co., Inc., Albion, N. Y.
Giant Key-Seating Machines. Mitts & Merrill, Saginaw, Mich.
Giant Ladders. Frizell Ladder Co., Boston.
Giant Lawson Air Liners. Lawson Airplane Co., The, South Milwaukee, Wis.
Giant Leather. Chas. A. Schieren Co., New York.
Giant Leather Belting. Plant Rubber Co., Minneapolis, Minn.
Giant Lever and Throttle Valves. Wm. Powell Co., Cincinnati, O.
Giant Lubricators. Michigan Lubricator Co., Detroit, Mich.
Giant Machine Belt Fasteners. Mfrs. Belt Hook Co., Chicago.
Giant Metal Sash Chain. Smith & Egge Mfg. Co., Bridgeport, Conn.
Giant Motor Trucks. Giant Truck Corp., Chicago Heights, Ill.
Giant Nail Pullers. Smith & Hemenway Co., New York.
Giant Packing and Rubber Hose. Revere Rubber Co., Chelsea, Mass.
Giant Padlocks. Smith & Egge Mfg. Co., Bridgeport, Conn.
Giant Paper Stock Cutters. Taylor, Stiles & Co., Riegelsville, N. J.
Giant Plastering Fibre. Fernald Co., San Francisco.
Giant Plows. Collins Plow Co., Quincy, Ill.
Giant Pneumatic Rotary Drills. Jeffrey Mfg. Co., Columbus, O.
Giant Portland Cements. Giant Portland Cement Co., Philadelphia, Pa. Balfour, Guthrie & Co., San Francisco, Cal.
Giant Powder. Atlas Powder Co., Wilmington, Del.; Giant Powder Co., San Francisco, Calif.
Giant Rail Benders. Handlan-Buck Mfg. Co., St. Louis, Mo.
Giant R. R. Barrows. The Lansing Company, Lansing, Mich.
Giant Ratchet Drills. Keystone Mfg. Co., Buffalo, N. Y.
Giant Rawhide Belting. Missouri Belting Co. St. Louis, Mo.
Giant Red Crescent Packing. Revere Rubber Co., Chelsea, Mass.
Giant Road Scarifer and Girder. Northfield Iron Company, Northfield, Minn.
Giant Roller Bearing Canners' Viner Feeding Machinery. A. T. Ferrell & Co., Saginaw, Mich.
Giant Roundhouse Stoves. Buda Company, Harvey, Ill.
Giant Rubber Jars for Storage Batteries. The Electric Storage Battery Co., Philadelphia, Pa.
Giant Self-Oiling Hangers. The American Tool & Machine Co., Boston, Mass.
Giant Simplex Spray Nozzle. Deming Co., Salem, O.
Giant Snatch Blocks. Pittsburgh Block & Mfg. Co., Pittsburgh, Pa.
Giant Socket Wrenches. Keystone Mfg. Co., Buffalo, N. Y.
Giant Solid Dyes. Pratt & Whitney Co. Hartford, Conn.
Giant Squeeze Presses. Western Steel & Engineering Co., San Francisco.
Giant Steam and Hot Water Heaters. Pierce, Butler & Pierce Mfg. Co., New York.
Giant Steel. Fairley-Davidson Steel Co., New York.
Giant Tires. Giant Tire & Rubber Co., Findlay, O.
Giant Torrid Steam Heaters. Steam and Hot Water Heaters. W. H. Drake Co., Newark, N. J.
Giant Tubular Door Hangers and Track, Tank Pumps, Pump Jacks, Carriers. The F. E. Myers & Bro. Co., Ashland, O.
Giant "U. S." Belting and Hose. United States Rubber Co., New York.
Giant Valves. Wm. Powell Co., Cincinnati, O.
Giant Water Cooler. Everson Filter Co., Chicago.
Giant Windmills. Althouse Wheeler Co., Waupun, Wis.
Giant Wire Rope and Cables. Waterbury Co., New York.
Giant Wire Stretchers, etc. Hunt, Helm, Ferris & Co., Harvard, Ill., Richards-Wilcox Mfg. Co., Aurora, Ill.
Giant Wonder Disc Sharpeners. A. E. Durner, Evansville, Wis.
Gib-Nut Locks. Columbia Nut and Bolt Co., Bridgeport, Conn.
Gibb Production Welders. Gibb Instrument Co., Bay City, Mich.
Gibbs Embroidery Hoops; Toys. Gibbs Mfg. Co., Canton, O.
Gibbs Lawn Rakes. G. A. Swineford Co., Canton, O.
Gibbs Lock-Lever Post Hole Digger. G. A. Swineford Co., Canton, O.
Gibbs Oil and Grease Cup Lubricators. W. D. Allen Mfg. Co., Chicago.
Gibbs Post Hole Diggers. Gibbs Mfg. Co., Canton, O.
Gibbs Spray Nozzles and Hose Menders. W. D. Allen Mfg. Co., Chicago.
Gibbs Trailer Connectors and Flush Plugs. Loeffelholz Co., Milwaukee, Wis.
Gibbs Train Connectors. Central Electric Co., Chicago.
Gibert's Lumber. W. H. Norris Lumber Co., Houston, Tex.
Gibney Tires. Gibney Tire & Rubber Co., Conshohochen, Pa.
Gibraltar Brushes. Pittsburgh Plate Glass Company, Rennous—Kleinle Division, Baltimore, Md.
Gibraltar Canvas Stitched Belting. Johnson Belting Co., New York.
Gibraltar Cement. Newaygo Portland Cement Co., Grand Rapids, Mich.
Gibraltar Floor Finish. Palmer-Price Co., Newark, N. J.
Gibraltar High Speed Steel and Music. H. Boker & Co., Inc., New York.
Gibraltar High Speed Steel. The Dickey Steel Co., Inc., New York.
Gibralter Insulating Cloth and Tape. M. W. Dunton Co., Providence, R. I.
Gibraltar Iron Preserving Paints. Gould Gibraltar Paint Co., New York.
Gibraltar Night Latches. Hubert Mfg. Co., New York.
Gibraltar Rubber Belting. N. J. Car Spring & Rubber Co., Jersey City, N. J.
Gibralter Automobile Wind Shields. Stewart-Carey Glass Co., Indianapolis, Ind.
Gibralter Scales. Mason, Davis & Co., Chicago.
Gibralter Soda Fountain. Weber Show Case & Fixture Co., Los Angeles.
Gibson Coal Entry Drivers. Ingersoll-Hand Co., New York.
Gibson's Guy Grippers. Jas. H. Channon Mfg. Co., Chicago.
Gibson's Soap Polish. Cudahy Packing Co., Chicago.
Gier-Lewis Automobile Wheels. Motor Wheel Corp., Lansing, Mich.
Gier Pressed Steels. Gier Pressed Steel Company, Lansing, Mich.
Gier Stamping. Motor Wheel Corp., Lansing, Mich.
Gier-Tuarc Automobile Wheels. Motor Wheel Corp., Lansing, Mich.
Gies Gears. Gies Gear Co., Detroit, Mich.
Giesey's Window Sash Pivots. Steiner & Voegtly Hdw. Co., Pittsburgh.
Gifford Air Compressor. Gifford Engine Co., Lansing, Mich.
Gifford-Wood Pivoted Bucket Carrier; Wagon Loader. Gifford-Wood Co., Hudson, N. Y.
Giford's Paring Knives. Boker Cutlery & Hardware Co., New York.
Gifford's Snow Shovels. Buffalo Sled Co., Buffalo, N. Y.
Gilbert & Barker Gas Furnaces, Fuel Oil Burners, Fuel Oil Pumps and Tanks, Self-Measuring Oil Pumps, Storage Tanks. Gilbert & Barker Mfg. Co., Springfield, Mass.
Gilbert & Barker Tanks and Funnels. Gilbert & Barker Mfg. Co., Springfield, Mass.
Gilbert Alarm Clocks. W. L. Gilbert Clock Co., Winsted, Conn.
Gilbert Automobile Tire Holders and Crank Handle Handles and Tire Covers. Gilbert Mfg. Co., New Haven, Conn.
Gilbert Diamond "G" Approved Fire Extinguisher. A. Gilbert & Sons Brass Foundry Co., St. Louis, Mo.
Gilbert Educational Toys. A. C. Gilbert Co., New Haven, Conn.
Gilbert Gauge Glass Preservers. R. F. Morse Co., Providence, R. I.
Gilbert Tin Plate. Follansbee Bros. Co., Pittsburgh.
Gilbert Toys. A. C. Gilbert, New Haven, Conn.
Gilbert Wood Pulleys. Saginaw Mfg. Co., Saginaw, Mich.
Gilbert's Gauge Glass Preservers. R. F. Morse, Providence, R. I.
Gilchrist Rail-Chairs. T. H Symington Co., Baltimore, Md.
Gilde Trolley Track Door Hangers. Frantz Mfg. Co., Sterling, Ill.
Gilding Wheels. W. H. Coe Mfg. Co., Providence, R. I.
Gile Tractors. Stearns Motor Mfg. Co., Ludington, Mich.
Giles Heel Plates. Laing, Harrar & Chamberlain, Philadelphia.
Gilgen Electric Fuses. Central Telephone & Elec. Co., St. Louis, Mo.
Gill Forged Crank Shafts. The P. H. Gill & Sons Forge & Machine Works, Brooklyn, N. Y.
Gill Motor Piston Rings. The Chalsmith Co., Chicago.
Gill Piston Rings. Gill Mfg. Co., Chicago.
Gillard Storage Batteries. Gillard Storage Battery Co., Detroit, Mich.
Gillette Blade Razor Stroppers. Edward Zinn, New York.
Gillette Safety Razors. Gillette Safety Razor Co., Boston.
Gillett's Engines. Gillett, Eaton & Squire, Lake City, Minn.
Gilliam Roller Bearings. Gilliam Mfg. Co., Canton, O.
Gillingham Cement. J. D. Spreckels & Bros. Co., San Francisco, Cal.
Gilman-Brown Emergency Knuckles. The Q & C Co., New York.
Gilmer Automobile Belts. L. H. Gilmer Co., Cottman & Keystone, Tacony, Pa.
Gilmer Woven Products. L. H. Gilmer Co., Philadelphia, Pa.
Gilmore Shoe Buffing Machines. Donnelly Mach. Co., Brockton, Mass.
Gilmore Tube Scraper Cleaners. Gilmore Tube Scraper Works, Buffalo, N. Y.
Gilmore Tube Scraper. Gilmore Tube Scraper Works, Buffalo, N. Y.
Gilmour Stone Planing Machines. Lincoln Iron Works, Rutland, Vt.
Gilselgloss Front End Paint. International Paint Corp., East St. Louis, Ill.
Gilson Engines. Gilson Mfg. Co., Port Washington, Wis.
Gilson Power Regulators for Looms. Tillotson Humidifier Co., Providence, R. I.
Gilsonite Asphalt Cements and Insulating Asphalt. Certain-teed Products Corp., St. Louis, Mo.
Gilt Edge Boilers and Furnaces. R. J. Schwab & Sons Co., Milwaukee, Wis.
Gilt Edge Cotton Rope. Anniston Cordage Co., Anniston, Ala.
Gilt Edge Flooring. Rittenhouse & Embree Co., Chicago.
Gilt Edge Leather Belting. J. E. Rhoades & Sons, Philadelphia, Pa.
Gilt Edge Packing. General Asbestos & Rubber Co., Charleston, S. C.
Gilt Edge Potato Diggers. A. B. Farquhar Co., Ltd., York, Pa.
Gilt Edge Round Belting. I. B. Williams & Sons, Dover, N. H.
Gilt Edge Shoe Blacking and Polishes. Whittemore Bros. Corp., Cambridge, Mass.
Gilt Edge Steam and Hot Water Heaters and Hot Air Furnaces. R. J. Schwab Sons Co., Milwaukee, Wis.
Gimco Insulation. General Insulating & Mfg. Co., Alexandria, Ind.
Gimlet Screws. Rhode Island Tool Co., Providence, R. I.
Gimlyte Paint. Geo. Gimbel & Co., Inc., New York.
Gingo Fire Hose. U. S. Rubber Co., New York.

Gipsy Bench Vises. Prentiss Vise Co., New York.
Gipsy Combined Anvils and Vises. Bonney Forge & Tool Works, Allentown, Pa.
Girard Air Hose. Quaker City Rubber Co., Philadelphia.
Girard Lawn Mowers. Supplee-Biddle Hardware Co., Philadelphia.
Girard Turbine Water Wheels. I. P. Morris Co., Philadelphia.
Girard Wrenches. Girard Wrench Mfg. Co., Girard, Pa.
Girod Electric Steel Furnaces. C. W. Leavitt & Co., New York.
Gisholt Lathes, Reamers. Gisholt Machine Co., Madison, Wis.
Gits Oil Cups. Gits Bros. Mfg. Co., Chicago.
Gits Oil Hole Covers and Cups. Gits Bros. Mfg. Co., Chicago.
Glacier Anti-Friction Metal. Glacier Metal Co., Richmond, Va.
Glacier Refrigerators. Northern Refrigerator Co., Grand Rapids, Mich.
Glacier Seccotine Stained Glass Substitutes. Wm. B. Qualie, New York.
Glacier Stained Glass Substitutes. W. A. Ross & Bro., New York.
Glade Petroleum Oils. Crew-Levick Co., Philadelphia, Pa.
Glader's Package Heading-Up Machines and Hoop Punching Machines. Wm. Glader, Chicago.
Gladiator Belting. N. J. Car Spring & Rubber Co., Jersey City, N. J.
Gladiator Farm Tractors. Gladiator Mfg. Co., Los Angeles.
Gladiator Stalk Cutters. Moline Plow Co., Moline, Ill.
Gladium Twist Drills. Ebstein Bros., New York.
Gladium Twist Drills, Tool Steel, Tools, Files, Hammers, Milling Cutters, Picks, Saws, Shovels and Sledges. **The Gladium Company,** Inc., New York.
Glafke Oil Burner. Loggers Oil Equipment Co., Portland, Ore.
Gland Stuffing Boxes. Thos. Laughlin Co., Portland, Me.
Glardon Swiss Files. Wm. Dixon, New York.
Glasbak Baking Glassware. McKee Glass Co., Jeannette, Pa.
Glasbrite Glass Polish. B. P. Forbes Co., Cleveland.
Glascock Wood Splitting Machines. Glascock Stove & Mfg. Co., Greensboro, N. C.
Glascote Condensers, Kettles, Stills, Tanks, Etc. The Glass Coating Co., Cleveland, O.
Glaseal Paint. The Acorn Refining Co., Cleveland, O.
Glas-Kote Enamels. C. H. Parker Co., Valparaiso, Ind.
Glas-Rox Natural Stone. Euclid Stone & Brick Co., Cleveland, O.
Glassford Dust Arresters. Cleveland Nickel Works, Cleveland.
Glass King Washboards. National Washboard Co., Chicago.
Glassmet Crayons. New Jersey Crayon Co., Paterson, N. J.
Glassteel Diffuser. Benjamin Electric Mfg. Co., Chicago.
Glaz-O-Tile Caulking and Glazing Compound. The Wills Products Co., New York.
Gleaner Feed Water Heaters and Purifiers. Pratt & Cady Co., Inc., Hartford, Conn.
Gleaner Suction Hose. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Gleason Cut Glass. Gleason Works, Rochester, N. Y.
Gleason Hack Saw Blades. Montgomery & Co., Inc., New York.
Gled Radio Receiving Sets. Gled Radio, Philadelphia.
Gledale Agitator End Gate Seeders. Peoria Drill & Seeder Co., Peoria, Ill.
Gledon Flange Plates. Dilworth, Porter & Co., Pittsburgh, Pa.
Gleich's Inks and Paste. Commercial Paste Co., The, Columbus, Ohio.
Glemco Electric Motors and Small Rotary Converters. Great Lakes Elec. Mfg. Co., Chicago.
Glen Cove Leather Belting. Edw. R. Ladew Co., Inc., New York.
Glen Flue Stops. J. L. Clarke Mfg. Co., Rockford, Ill.
Glendale Grain Bagger and Loader. Hart Grain Weigher Co., Peoria, Ill.
Glendale Stalk Rakes. Peoria Drill & Seeder Co., Peoria, Ill.
Glendale Terne Plates. Lyon, Conkline & Co., Baltimore, Md.
Glendon Street Car Axles. Union Drawn Steel Co., Beaver Falls, Pa.
Glendone Machinery Steel. Edgar T. Ward's Sons Co., New York.
Glendora Ammonia. Smith & Horton, Warren, Pa.
Glendora Deep Well Pumps. Worthington Pump and Machinery Corp., New York.
Glenny Fruit Jar Wrenches. Wm. Glenny Glass Co., Cincinnati.
Glenwood Belting. Combination Rubber Mfg. Co., Bloomfield, N. J.
Glenwood Gas Ranges. Weir Stove Co., Taunton, Mass.
Glenwood Packing and Hose. Hewitt Rubber Co., Buffalo.
Glenwood Stoves. Weir Stove Co., Taunton, Mass.
Glidden Barbed Wire. American Steel & Wire Co., Chicago.
Glidden Endurance Wood Stains. Glidden Co., Cleveland.
Glidden Quality Varnishes, Enamels and Paints. The Glidden Co., Cleveland, O.
Glidden's Dust Absorbing Floor Oils, Waterproofing Materials and Paint and Varnish Remover. Glidden Co., Cleveland, O.
Glide Automobiles. The Bartholomew Co., Peoria, Ill.
Glide Belting. Goodyear Tire & Rubber Co., Inc., Akron, Ohio.
Glide Door Hangers and Door Rollers. Franz Mfg. Co., Sterling, Ill.
Glide Lawn Mowers. Dille & McGuire Co., Richmond, Ind.
Glissenall Liquid Metal Polish. Campbell Glass & Paint Co., St. Louis, Mo.
Glisten Metal Polish. Puritan Oil Co., Cleveland.
Glittershine Metal Polish. Grady Mfg. Co., Astoria, N. Y.
Globe Asbestos Brake Lining. United & Globe Rubber Co., Trenton, N.J.
Globe Audiphones. Globe Ear Phone Co., Boston.
Globe Automatic Sprinklers, Check Valves, Water Motors, Chemical Fire Extinguishers and Rechargers. Globe Automatic Sprinkler Co., Philadelphia.
Globe Babbitt Metal; Wire Belt Lacing. Hayden Supply Co., Grand Rapids, Mich.
Globe Bearings, Babbitts and Alloys. Damascus Bronze Co., Pittsburgh, Pa.
Globe Belt Lacing. J. M. Hayden Co., Grand Rapids, Mich.
Globe Belting. Page Belting Co., Concord, N. H.; Schwartz Belting Co., New York.
Globe Black. L. Martin Co., New York.
Globe Black Sheet Packing. United & Globe Rubber Co., Trenton, N. J.
Globe Brand Sheet Iron and Steel, Tight Coated Galvanized Steel Sheets and Special Stamping Steel. Newport Rolling Mill Co., Newport, Ky.; Globe Iron Roofing & Corrugating Co., Cincinnati, O.
Globe Brand Tool Steel. J. C. McGuire Co., Detroit, Mich.
Globe Car and Building Ventilators, Lamp Jacks, Chimney Caps, Etc. Globe Ventilator Company, Troy, N. Y.
Globe Carbon Paper and Typewriter Ribbons. Crown Ribbon & Carbon Mfg. Co., Rochester, N. Y.
Globe Closet Seats. Grand Rapids Hand Screw Co., Grand Rapids, Mich.
Globe Compound, Rapid Paint Remover, Sanitary Cleanser. Globe Chemical Co., Boston, Mass.
Globe Dry Batteries. National Carbon Co., Long Island City, N. Y.
Globe Dust Absorbing Floor Oils and Hard Wax Floor Polish. J. A. & W. Bird & Co., Boston.
Globe Fly Traps. Fred J. Meyers Mfg. Co., Hamilton, O.; Reynolds Wire Co., Dixon, Ill.
Globe (Garett) Sprinkler Heads and Valves. Globe Automatic Sprinkler Co., Cincinnati, O.
Globe Germantown Black. L. Martin Co., New York.
Globe Hame Tips. Frazer & Jones Co., Syracuse, N. Y.
Globe High Carbon Chilled Shot; Iron-Crush Abrasive. Globe Steel Abrasive Co., Mansfield, O.
Globe Hose and Rubber Belting. United & Rubber Co., Trenton, N. J.
Globe Hot Air Furnaces. Globe Stove & Range Co., Kokomo, Ind.
Globe Incubators and Brooders. Shoemaker Incubator Co., Freeport, Ill.
Globe Industrial Starch and Vegetable Oils. Corn Products Refining Co., New York.
Globe Lathes, Dryer Cars, Dump Pans, Smoke Stacks, Breechings, Etc. Globe Machinery & Supply Co., Des Moines, Ia.
Globe Leather Belting. Schwartz Belting Co., New York.
Globe Lubricating Oils and Greases. Globe Refining Co., Cleveland.
A. W. Harris & Co., New York.
Globe Lubricators. American Lubricator Co., Detroit, Mich.
Globe Marine Engines. Pennsylvania Iron Works Co., Eddystone, Pa.
Globe Metal Ceilings and Shingles. Newport Rolling Mill Co., Newport, Ky.
Globe Miners' Lamps. Geo. T. Anton & Bro., Monongahela, Pa.
Globe Optical Machinery and Equipment. Globe Optical Co., Boston, Mass.
Globe Packing. Cancos Mfg. Co., Philadelphia.
Globe Padlock Locks. U. S. Lock & Hardware Co., Columbia, Pa.
Globe Paper Punches. Globe Wernicke Co., Cincinnati, Ohio.
Globe Pig Iron. Globe Iron Co., Jackson, O.
Globe Pneumatic Tires. Globe Rubber Tire Mfg. Co., Trenton, N. J.
Globe Ranges. March-Brownback Stove Co., Pottstown, Pa.
Globe Refrigerator and Tool Boxes. The Globe Machine & Stamping Co., Cleveland, O.
Globe Register and Cash Drawer, Manifolders and Loose Leaf Binders. The Globe Register Co., Cincinnati, O.
Globe Special Sugar Cane Mills. C. S. Bell Co., Hillsboro, Ohio.
Globe Specials Gas and Water Cast Iron Pipes, Grey Iron Castings and Pipe Fittings. Builders' Iron Foundry, Providence, R. I.
Globe Steel Chilled Shot. Globe Steel Abrasive Co., Mansfield, O.
Globe Stoves. S. Cheney & Sons, Manlius, N. Y.
Globe Stoves, Ranges and Furnaces. Globe Stove & Range Co., Kokomo, Ind.
Globe Sugar Cane Mills. C. S. Bell Co., Hillsboro, Ohio.
Globe Switches. Pettibone, Mulliken & Co., Chicago.
Globe Teddy Bears. Globe Teddy Bear Co., Brooklyn, N. Y.
Globe Tile Ditching Machines. Ditcher Mfg. Co., Minneapolis, Minn.
Globe Tool Emery Grinders. Globe Co., Sheboygan, Wis.
Globe Tool Sharpener. O. S. Walker & Co., Worcester, Mass.
Globe Tumbling and Burnishing Barrels, Metal Boxes and Stampings. The Globe Machine & Stamping Co., Cleveland, O.
Globe Valves. Globe Brass Works, Detroit, Mich.
Globe Ventilators and Chimney Caps. Globe Ventilator Co., Troy, N. Y.
Globe Washing Machines. American Laundry Machy. Co., Cincinnati.
Globe Wet Tool Grinders. O. S. Walker & Co., Worcester, Mass.
Globe Wheelbarrow. The Lansing Company, Lansing, Mich.
Globe Wood Stains. Globe Varnish Co., Inc., Pittsburgh.
Globelt Fan Belts. United & Globe Rubber Co., Trenton, N. J.
Globestos Brake Lining and Clutch Rings. United & Globe Rubber Co., Trenton, N. J.
Gloflat Paint. Morgan Co., Peoria, Ill.
Glolite Candle Lamp. H. G. McFaddin & Co., New York.
Glor Feed Carriers. Glor Bros. & Willis Mfg. Co., Attica, N. Y.
Gloria Lanterns and Portable Lamps Gloria Light Co., Inc., Chicago.
Glorital Disinfectant. General Laboratories, Madison, Wis.
Gloss-O-Lite Paints. U. S. Gutta Percha Paint Co., Providence, R. I.
Gloucester Hammocks. E. L. Rowe & Son, Gloucester, Mass.
Gloucester Kitchen Sinks. Sanitas Mfg. Co., Boston, Mass.
Glover's Belt Fasteners. Water-Garland Co., Louisville, Ky.
Glow Night Lamp. H. G. McFaddin & Co., New York.
Glowlite Lenses. Glowlite Co., Columbus, O.
Glue-Dotter (Glue fountain pen). Empire Notion Company, New York.
Glu-pa-co Vegetable Glue. The F. G. Findley Co., Milwaukee, Wis.
Glutino, Bookbinders' Glue. Holliston Mills, Norwood, Mass.
Glutrin Core Compounds. Robeson Process Co., New York.
Glutrin Core Sand Binder. Robeson Process Co., New York.
Glutrin Road Binder. Robeson Process Co., New York.
Glyco Babbitt Metal. Joseph T. Ryerson & Son, Chicago.
Glymont Cooking Ranges. B. C. Bibb Stove Co., Baltimore, Md.
Glypho Glycerine. Chas. W. Jacob & Allison, New York.
Goat Brand Plushes. L. C. Chase & Co., Boston.
Go-Basket Children's Carriages. Withrow Mfg. Co., Cincinnati.
Goddard Burr Pickers'. Curtis & Marble Machine Co., Worcester, Mass.
Goddard Form Milling Cutters. Goddard Tool Co., Chicago.
Goddard's Rawhide Mallets. Brockton Mallet Co., Brockton, Mass.
Godfrey Conveyors. Godfrey Conveyor Co., Elkhart, Ind.
Go-Easy Conduit Wiring Rods. Diamond Expansion Bolt Co., New York.
Go-Easy Garden Cultivators. Moore Plow & Implement Co., Greenville, Mich.
Goes Like Sixty Engines. Gilson Mfg. Co., Port Washington, Wis.
Goetz Cane Loader. Boland Machine & Mfg. Co., New Orleans.
Goetze Cements. Goetz Gasket & Packing Co., New Brunswick, N. J.
Goetze Gaskets. Goetze Gasket & Packing Co., New Brunswick, N. J.
Goetze Packing, Lead Gaskets, Valve Discs, Pipe Joint Cements. Goetze Gasket & Packing Co., New Brunswick, N. J.
Goetzerite Gaskets and Packing. Goetze Gasket & Packing Co., New Brunswick, N. J.
Goheen's Mill White. The Goheen Corp., Newark, N. J.
Gohi Culvert Pipe. Newport Culvert Co., Inc., Newport, Ky.
Goite Fuel Level Indicators. Goite Mfg. Co., Kokomo, Ind.
Golconda Rubber Hose. Electric Hose & Rubber Co., Wilmington, Del.
Gold Bug Scoops and Shovels. Beall Bros., Alton, Ill.
Gold Bond Portable Ready Built Houses. Mershon & Morley Co., Saginaw, Mich.
Gold Brand Chamois, Sponges and Cleaning Cloths. **David J. Lindner** Chamois Co., Importers, New York.
Gold Car Heating System. Gold Car Heating & Light Co., New York.
Gold China Painters' Palettes. Stirrup Mfg. Co., Inc., Newark, N. J.
Gold Coin Flour Mills. Eagle Roller Mill Co., New Ulm, Minn.
Gold Cross Brand Varnishes and Japans. Stewart Mowry Co., Chgo.
Gold Dust Soap Powder. N. K. Fairbank Co., Chicago.
Gold Hot Water Radiators. Buckingham Routh Co., New Haven, Conn.
Gold Medal Belt Lacing. Seattle Belting & Supply Co., Seattle, Wash.
Gold Medal Blasting Caps. E. I. du Pont de Nemours & Co., Inc., Wilmington, Del.
Gold Medal Brand Waterproof Clothing. Waterproofed Products Co., Oakland, Cal.

Gold Medal Camp Furniture. Gold Medal Camp Furniture Mfg. Co., Racine, Wis.
Gold Medal Carpet Linings. Newton Paper Co., Holyoke, Mass.
Gold Medal Commutator Compounds. Le-Valley-Vitae Carbon Brush Co., New York.
Gold Medal Cup Grease. Monarch Mfg. Co., Council Bluffs, Ia.
Gold Medal Files and Rasps. Nicholson File Co., Providence, R. I.
Gold Medal Furniture Polish. Gold Medal Polish Co., Racine, Wis.
Gold Medal Hydrated Lime. Woodville Lime and Cement Co., Toledo, O.
Gold Medal Leather Belting. Plant Rubber Co., Minneapolis, Minn.
Gold Medal Linen Ledger Paper. Crane Bros., Westfield, Mass.
Gold Medal Polish. George William Hoffman Co., Indianapolis, Ind.
Gold Medal Shingle Machine. Sumner Iron Works, Everett, Wash.
Gold Mine Flour Mills. Sheffield-King Milling Co., Minneapolis, Minn.
Gold Pin Hot Water Radiators. H. B. Smith Co., Westfield, Mass.
Gold Seal Blue Print Paper. New York Blue Print Paper Co., New York.
Gold Seal Rubber Hose. Goodyear Rubber Co., New York.
Gold Seal Congoleum Rugs, Linoleum & Floor Coverings. Congoleum Co., Philadelphia.
Gold Seal Enamels. Bass Hueter Paint Co., San Francisco.
Gold Seal Heat Sets. Stanley & Patterson, New York.
Gold Seal Packing and Rubber Hose. Goodyear Rubber Co. & Rubber Clothing Co., New York.
Gold Star Paints, Colors and Enamels. W. W. Lawrence & Co., Pittsburgh, Pa.
Gold Stripe Radio Headset. Delta Electric Co., Marion, Ind.
Gold Value Earth Augers. Fenn Mfg. Co., Charlotte, Mich.
Gold's Thermostats. Gold Car Heating & Lighting Co., New York.
Goldblatt Trowels. H. Goldblatt Tool Co., Kansas City, Mo.
Goldcrest Lawn Mowers. Chadborn & Coldwell Mfg. Co., Newburgh, N. Y.
Golden-Anderson Valves. Golden-Anderson Valve Specialty Co., Pittsburgh, Pa.
Golden Auto and Machine Oils. Star Oil Co., Chicago.
Golden Bronze Screen Cloth. Wickwire-Spencer Steel Corp., New York.
Golden Clutch. Marden, Orth & Hastings, New York.
Golden Eagle Brand Shingles. Shull Lumber & Shingle Co., Seattle, Wash.
Golden Fleece Degras. Pfaltz & Bauer, New York.
Golden Fleece Rubber Packing. Manhattan Rubber Mfg. Co., Passaic, N. J.
Golden Fleece Sheep Leathers. The L. B. Southwick Co., Peabody, Mass.
Golden Gate Auto Windshields. Golden Gate Brass Mfg. Co., San Francisco.
Golden Gate Beer Valves and Racking Apparatus. Golden Gate Mfg. Co., New York.
Golden Gate Cement. Pacific Portland Cement Co., San Francisco.
Golden Gate Copper Ship Bottom Paint. W. P. Fuller & Co., San Francisco.
Golden Gate Packing, Belting and Rubber Hose. Pioneer Rubber Mills, San Francisco.
Golden Gate Rubber Belting. Pioneer Rubber Mills, San Francisco, Cal.
Golden Gate Shade Cloth. Pacific Shade Cloth Co., Oakland, Cal.
Golden Giant Spark Plugs. Benford Auto Products. Inc., Mt. Vernon, N. Y.
Golden Glow Automatoneers, Brake or Control Handles, Electric Car and Locomotive Headlights. Electric Service Supplies Co., Phila.
Golden Glow Lamps and Headlights. Electric Service Supplies Co., Philadelphia, Pa.
Golden Glow Lawn Mowers. Chadborn & Coldwell Mfg. Co., Newburgh, N. Y.
Golden Glow Polish. Edward A. Oliver, Cleveland, O.
Golden Grain Babbitt Metal. Cleveland Alloys Co., Cleveland.
Golden Metal Weather Strips. Michigan Engine Valve Co., Detroit, Mich.
Golden Rod Brazing Solder. Shimer, McGlynn & Co., Philadelphia.
Golden Rod Face Brick. Thomas Moulding Brick Co., Chicago.
Golden Rod Garden Barrows. Chattanooga Wheelbarrow Co., Chattanooga, Tenn.
Golden Rod Packing. La Favorite Rubber Mfg. Co., Hawthorne, N. J.
Golden Rod Rubber Hose. Whitehead Bros. Rubber Co., Trenton, N. J.
Golden Rule Grease Cups. W. D. Allen Mfg. Co., Chicago.
Golden Rule Stoves. A. Weiskittel & Son. Baltimore.
Golden Star Furniture and Auto Body Metal Polish. Golden Star Polish Mfg. Co., Inc., Kansas City, Mo.
Golden Star Spirit Black. L. Martin Co., New York.
Golden State Leather Belting. H. N. Cook Belting Co., San Francisco, Calif.
Golden Steam Traps. Golden-Anderson Valve Specialty Co., Pittsburgh.
Golden Weather Strips. Michigan Engine Valve Co., Detroit.
Golden Yellow Powdered Talc. Buckeye Product Co., Cincinnati, O.
Goldie Improved Track Shims, Frost Blocks, Ties, Tie Daters, Dust Guards. Wm. Goldie, Jr., & Co., Bay City, Mich.
Goldie Railway Specialties. Dilworth, Porter & Co., Ltd., Pitts., Pa.
Goldie's Perfect Tie Plugs. Wm. Goldie, Jr., & Co., Bay City, Mich.
Golding Printing and Tablet Presses. Golding Mfg. Co., Franklin, Mass.
Gold's Cyclone Car Ventilators. Gold Car Heating & Lighting Co., Brooklyn.
Goldshine Polish. Van Tiburg Oil Co., Minneapolis.
Goldsmith Throttle Valve. Scott Valve Mfg. Co., Detroit, Mich.
Golf Lawn Mowers, 6 & 8 Blades. Phila. Lawn Mower Co., Phila.
Goliath Spark Plug. Sharp Spark Plug Co., Wellington, O.
Gollmar Bell Ringers. U. S. Metallic Packing Co., Philadelphia, Pa.
Gomaco Damp Resisting Paint. Gohene Corp., New York.
Gomber Rat and Mouse Traps. A. W. Drake Co., Hazelton, Pa.
Good Enough Carpet Beaters. Carpet Beater Co., Windsor, N. Y.
Good Enough Plows. Moline Plow Co., Moline, Ill.
Good Luck Dynamite. Burton Powder Co., Pittsburgh, Pa.
Good Luck Hose and Fruit Jar Rubbers. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Good Luck Key Chains. S. I. Atwater, New York.
Good Luck Red Sheet Packing. W. D. Allen Mfg. Co., Chicago.
Good Night Bed Springs. Union Bed & Spring Co., Chicago.
Good Night Mattresses, Pillows and Box Springs. Schultz & Hirsch Co., Chicago.
Good Plumbers' Washers. Good Mfg. Co., New York.
Good Rubber Goods. Good Mfg. Co., New York.
Good Service Tires. Shapleigh Hardware Co., St. Louis, Mo.
Good Stores Fixtures and Show Cases. W. B. McLean Mfg. Co., Pittsburgh.
Good Will Stoves and Ranges. F. A. Klaine Co., Cincinnati.
Goodell Can Openers. Goodell Co., Antrim, N. H.
Goodell Lathes and Saws. Millers Falls Co., Millers Falls, Mass.
Goodell Mitre Boxes. Goodell-Pratt Co., Greenfield, Mass.
Goodall Rubber Boots. Goodall Rubber Co., Inc., Philadelphia, Pa.
Goodall Semi-Metallic Hose. Goodall Rubber Co., Philadelphia, Pa.
Goodell Tool Co. Bit Braces and Stocks. Goodell-Pratt Co., Greenfield, Mass.
Goodell-Pratt Drills. Goodell-Pratt & Co., Greenfield, Mass.
Goodenow Furnaces. F. J. Goodenow Co., Detroit.
Goodfellow's Can Salting Machine. J. P. Goodfellow, Blaine, Wash.
Goodhue Wind Mills. Appleton Mfg. Co., Batavia, Ill.
Goodman Electric Scraper Loader. Goodman Mfg. Co., Chicago.
Goodman Gas Main Stopper. Safety Gas Main Stopper Co., Brooklyn, N. Y.
Goodman Mining Machinery. Goodman Mfg. Co., Chicago.
Goodman Stoppers. Safety Main Gas Stopper Co., Brooklyn, N. Y.
Goodman Wrecking Hook. National Malleable Casting Co., Cleve., O.
Goodnite Commutator Slot Cleaning Tool. The Martindale Electric Co., Cleveland, O.
Goodrich Cements, Rubber Goods. B. F. Goodrich Co., Akron, O.
Goodrich Lock and Switch (for Ford Cars). Goodrich-Lenhart Mfg. Co., Philadelphia, Pa.
Goodrich Mining Machine Cable. The B. F. Goodrich Co., Akron, O.
Goodrich Plumbers Force Cups. The B. F. Goodrich Rubber Co., Akron, O.
Goodrich Tires, Belting, Tennis Balls, Tire Cements. B. F. Goodrich Co., Akron, O.
Goodrich Tires, Silvertown Tubes and Silvertown Cord Tires. B. F. Goodrich Rubber Co., Akron, O.
Goodwin Cars. Goodwin Car Co., New York.
Goodyear Load Binders. Goodyear & Miller, Bloomdale, O.
Goodyear Special Rubber Lined Cotton Hose. Goodyear Rubber Co., San Francisco.
Goodyear Style W Conveyor Belting. Goodyear Tire & Rubber Co., Inc., Akron, O.
Goodyear Tires; Demountable Rims; Rubber Goods. The Goodyear Tire and Rubber Co., Akron, O.
Goodyearite Sheet Packing. Goodyear Tire & Rubber Co., Akron, O.
Goodyear-Wingfoot Rubber Heels. The Goodyear Tire & Rubber Co., Akron, O.
Gopher Leather Belting. S. R. Sikes Co., Minneapolis, Minn.
Gopher Portable Grain Elevators. Warner Elevator Mfg. Co., Warner, Ill.
Gopher Red and Yellow Metal Soldering Unions and Nipples. United Brass & Metal Mfg. Co., St. Paul, Minn.
Gorco Metal Ceilings. Wheeling Corrugating Co., Wheeling, W. Va.
Gorco Metals. Gorman Metal Co., San Francisco.
Gordon Coil and Spiral Packing. The Henry Johnson Co., Inc., Jersey City, N. J.
Gordon Camshafts. L. O. Gordon Mfg. Co., Muskegon, Mich.
Gordon Easy-On Auto Seat Covers. J. P. Gordon Co., Columbus, O.
Gordon Fire Extinguishers. Orville E. Gordon, Rays Crossings, Ind.
Gordon Grates. Gordon Hollow Blast Grate Co., Greenville, Mich.
Gordon Hose Winders. W. D. Allen Mfg. Co., Chicago.
Gordon Primary Batteries. Waterbury Battery Co., New York.
Gordon R-S-A Cell. Gordon Primary Battery Co., New York.
Gordon Steam Unit Heaters. Robert Gordon, Inc., Chicago, Ill.
Gord's Rubber Roofing. Ford Roofing Products Co., Chicago.
Gore Armored Rope. Waterbury Company, New York.
Gorham Milling Cutters. American Twist Drill & Tool Co., Detroit, Mich.
Gorham Special Patent Brass and Bronze Castings. Gorham Co., New York.
Gorham Standard Window and Store Front Construction. Gorham Co., New York.
Gorilla Rubber Belting. Webb Belting Co., Kansas City, Mo.
Gorman Siphon Tank Valves. F. W. Webb Mfg. Co., Boston, Mass.
Go-Ro Steam Automobiles. Go-Ro Mfg. Co., New Orleans, La.
Gorton Quarter Turn Packing Lock Radiator Valves. Gorton & Lidgerwood Co., New York.
Gorton Self Feeding Boilers. Gorton & Lidgerwood Co., New York.
Gorton Single Pipe Vapor Heating System. Gorton & Lidgerwood Co., New York.
Go-Ru-Co Leather. Joseph N. Eisendrath Co., Chicago.
Goshen Hay Tools. Goshen Mfg. Co., Goshen, Ind.
Goshen Hill Step Ladders. Goshen Churn & Ladder Co., Goshen, Ind.
Goshen Mail Boxes, Scalders, Tanks. Kelly Foundry & Machine Co., Goshen, Ind.
Goshen Motors. Alford Motor & Machine Co., Goshen, Ind
Goshen Tank Heaters. Kelly Foundry & Machine Co., Goshen, Ind.
Gossett Hangers. F. D. Kees Mfg. Co., Beatrice, Neb.
Gotham Thermometers. C. J. Tagliabue Mfg. Co., Brooklyn, N. Y.
Gothic Toilet Paper Holders. Columbia Brass Co., Columbus, O.
Gothic Water Supply Heaters. Gurney Heater Mfg. Co., Boston.
Goubert Feed Water Heaters, Steam and Hot Water Heaters, Steam Condensers and Hot Water Generators. Griscom-Russell Co., New York.
Goulac Core Compound. American Gum Products Co., New York.
Gould Balance Valves and Auto Tractors. Gould Balanced Valve Co., Kellogg, Ia.
Gould Car Couplers, Draft Gear, Journal Boxes. Gould Coupler Co., New York.
Gould Dreadnaught Batteries. Gould Storage Battery Co., New York.
Gould Gibraltar Paint. Gould Gibraltar Paint Co., New York.
Gould Radio A Batteries. Gould Storage Battery Co., New York.
Gould's Packing and Gaskets. Gould Packing Co., Cambridge, Mass.
Goulds Pumps, Sprayers, etc. Goulds Mfg. Co., Seneca Falls, N. Y.
Government Babbitt Metal. Syracuse Smelting Works, Brooklyn, N. Y.
Governor Disc Harrows. Racine-Sattley Co., Springfield, Ill.
Governor Leather Belting. The Eagle Counter & Leather Co., Cincinnati, O.
Gow Core Making Machines. Elmira Fdy. Co., Elmira, N. Y.
Gow Foundry Molding Machines. Elmira Foundry Co., Elmira, N. Y.
Gowanda Feed Cutters and Maple Sugar Evaporators and Castings. Gowanda Agricultural Works, Gowanda, N. Y.
Gowanus Belt Lacing. Chas. A. Schieren & Co., New York.
Goyne Mine Pumps. Goyne Steam Pump Co., Ashland, Pa.
Gozin Finishes and Preservatives. Alfred C. Turner, Boston, Mass.
Graber Water Gauges. B. Hoffman Mfg. Co., Milwaukee.
Grabler Drills, Screws, Plates. Grabler Mfg. Co., Cleveland, O.
Grabler Pipe Hangers, Chain Attachment Drills. Grabler Mfg. Co., Cleveland.
Gracarlin Bridge Paint. International Paint Corp., East St. Louis, Ill.
Grace Darling Curling Irons. Nicol & Co., Chicago.
Graceton Coke. Graceton Coke Co., Graceton, Pa.
Grade A Calendered Manila Tag. C. B. Hewitt & Bros., Inc., New York.
Grade E-F and K Rope Pattern Papers. C. B. Hewitt & Bros., Inc., New York.

Gracey's Ratchet Jacks. R. Gracey & Sons Co., Pittsburgh, Pa.
Gradirs Water Cooling Towers. Ruemmeli-Dawley Mfg. Co., St. Louis.
Grademeters Grade Indicating Meters. Adams Co., Dubuque, Ia.
Grady Wedge for Handles. Edward H. Brown, San Francisco, Calif.
Grady Wedges for Tool Handles. United Sales Corp., San Francisco.
Graffco Cling Paper Clips. Geo. B. Graff Co., Boston.
Graffco Office Devices. Graff-Underwood Co., Boston, Mass.
Graffco Silver Steel Pens. Geo. B. Graff Co., Boston.
Graffco Vise Paper Clips, Index Tabs and Signals. Geo. B. Graff Co., Boston.
Graffinberger Air & Steam Valves. Graffinberger Valve Co., Portland, Ore.
Graffon Rust Preventative. Claude L. Howes, Boston, Mass.
Grafita (For Chains, Gears, Sprockets, Etc.) The United States Graphite Co., Saginaw, Mich.
Grafite Flexible Fibre and Sheet Packing. Darcoid Co., New York.
Graflex Cameras. Eastman Kodak Co., Rochester, N. Y.
Grafton Lavatories and Fittings. Sanitas Mfg. Co., Boston.
Grafton Semaphores. Union Switch & Signal Co., Swissvale, Pa.
Graham All Steel Lawn Mowers. Phila. Lawn Mower Co., philadelphia.
Graham Blast Furnaces. Va. Iron, Coal & Coke Co., Roanoke, Va.
Graham Brothers One-Ton Unit, for Fords. Graham Brothers, Evansville, Ind.
Graham Drill Speeders. Graham Mfg. Co., Providence, R. I.
Graham Motor Trucks. Graham Bros., Evansville, Ind.
Graham Nuts. Graham Bolt & Nut Co., Pittsburgh, Pa.
Graham Twist Drills and Drill Chucks. Detroit Twist Drill Co., Detroit.
Graham's Cleanser. American Soap & Wash. Co., Cohoes, N. Y.
Gra-Houn Children's Vehicles. Rundle Novelty Co., Columbus, Ohio.
Grainfield Agricultural Section Hose. Quaker City Rubber Co., Phila.
Grainger Pumps. Grainger & Co., Louisville, Ky.
Grain King Shoveling Boards, Wagons, Trucks, Boxes, Grain Tanks. Anderson Co., St. Paul, Minn.
Grain King Shoveling and End Gate Boards. Litchfield Mfg. Co., Waterloo, Ia.
Grain King Thresher Belting. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Grain Saver Steel Grain Bins. Martin Steel Products Co., Mansfield, O.
Grain Tight Sills. DeRemer-Blatchford Co., Chicago.
Grain Wood Scoops. John Sommer Faucet Co., Newark, N. J.
Grainvey Belt. The Diamond Rubber Co., Inc., Akron, O.
Graknight Belting. Grafton & Knight Mfg. Co., Worcester, Mass.
Graknight Dynamo Belting. Grafton & Knight Mfg. Co., Worcester, Mass.
Gramercy Blowers, Reagent Bottles and Stirrers. Elmer & Amend, New York.
Grammes Eyelets, Tools, Vises, Punches, Paper Fasteners, Paper Clips. L. G. Grammes & Sons, Allentown, Pa.
Granby Spelter. American Zinc, Lead & Smelting Co., New York.
Grand Carpet Sweepers. Bissell Carpet Sweeper Co., Grand Rapids, Mich.
Grand Concrete Mixers, Foundry Riddles. Hall-Holmes Mfg. Co., Jackson, Mich.
Grand Detour Clod Crushers, Sled Cultivators and Walking and Riding Listers. Grand Detour Plow Co., Dixon, Ill.
Grand Detour Farm Implements. Grand Detour Plow Co., Dixon, Ill.
Grand Detour Plows. J. I. Case Threshing Mach. Co., Racine, Wis.
Grand Diamond No. 2 Fireplace Heaters. B. C. Bibb Stove Co., Baltimore.
Grand Emerald Cook Stove. B. C. Bibb Stove Co., Baltimore.
Grand Gas Radiators. Union Stove Works, New York.
Grand Hot Blast and Wood Stoves. Gray & Dudley Hardware Co., Nashville, Tenn.
Grand Oak Coal Heater. B. C. Bibb Stove Co., Baltimore.
Grand Prize Tooth Picks. E. B. Estes & Sons, New York.
Grand Rapids All-Steel Sash Pulleys, Mortising Bits and Post Boring Machines. Grand Rapids Hardware Co., Grand Rapids, Mich.
Grand Rapids Carpet Sweepers. Bissel Carpet Sweeper Co., Grand Rapids, Mich.
Grand Rapids Drill and Universal Grinders. Grand Rapids Grinding Machine Co., Grand Rapids, Mich.
Grand Rapids Grinders. Gallmeyer & Livingston Co., Grand Rapids, Mich.
Grand Rapids Sash Pulleys. Grand Rapids Hardware Co., Grand Rapids, Mich.
Grand Rapids Vapor Kilns. Grand Rapids Veneer Works, Grand Rapids, Mich.
Grand Refrigerators. Challenge Refrigerator Co., Grand Haven, Mich.
Grand Solar Fire Place Heaters. Sanitary Heating Co., Brooklyn, N. Y.
Grand Stoves. Cleveland Co-Operative Stove Co., Cleveland.
Grandad Mine Car Coupler. National Car Coupler Co., Attica, Ind.
Grandpa's Wonder Soap. Beaver Soap Co., Dayton, O.
Granger Electric Hoists. A. D. Granger Co., New York.
Granger Fruit Evaporators. Babcock Mfg. Co., Leonardsville, N. Y.
Granger Pruning Shears. Smith, Seymour & Son, Oakville, Conn.
Granger Rubber Hose. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Granio Soap. Kendall Products Corp., New York.
Granite Candles, Harvester Oil. Standard Oil Co., Chicago.
Granite Cement and Wood Fibre Plaster and Wall Finish. United States Gypsum Co., Chicago.
Granite Clothes Lines. Estes Mills, Fall River, Mass.
Granight Leather Belting. Graton & Knight Mfg. Co., Worcester, Mass
Granite City Polishing Machinery. W. A. Lane, Barre, Vt.
Granite Elevator Belting. United States Rubber Co., New York.
Granite Fuses. Central Railway Signal Co., Pittsburgh, Pa.
Granite Leather Belting. Geo. Rahmann & Co., New York.
Granite-Oak Bak-Bone Leather Belting. Geo. Rahmann & Co., New York.
Granite-Oak Leather Belting. Geo. Rahmann & Co., New York.
Granite Plumbers & Mining Candles. Standard Oil Co. of N. Y., New York.
Granite Rubber Hose. Revere Rubber Co., Chelsea, Mass.
Granite State Lawn Mowers. Granite State Mowing Machine Co., Hinsdale, N. H.
Granite Stone "U. S." Elevator Belting. United States Rubber Co., New York.
Granite Waterproof Belting. Geo. Rahmann & Co., New York.
Granitex Concrete Hardener. National Builders Co., Cleveland, O.
Granitine Artificial Stone Laundry Tubs. Chicago Granitine Mfg. Co., Chcago.
Granitite Walls. National Fibreform Co., San Francisco.
Granolith Paint. U. S. Gutta Percha Paint Co., Providence, R. I.
Grant Bolt Cutter Dies. Pratt & Whitney Co., Hartford, Conn.
Grant Circular Saws. Frank Hamachek, Kewaunee, Wis.
Grant Gears. Grant Gear Works, Boston, Mass.
Grant Pedal Pads. Grant Auto Appliance, Chicago.
Grant Pneumatic Riveters and Riveting Machines. Grant Mfg. & Machine Co., Bridgeport, Conn.
Grant Sash Pulleys. Grant Pulley & Hardware Co., New York.
Grant Sheaves, Pulleys. Grant Pulley & Hardware Co., New York.
Grant Under Reamers. Grant Tool Co., Los Angeles.
Grant's Milk Bottle Protectors. Burgess-Norton Mfg. Co., Geneva, Ill.
Granular Water Filters. Everson Filter Co., Chicago.
Graphalene Graphite Lubricants. Monarch Mfg. Co., Council Bluffs, Ia.
Graphalloy Products. Graphite Metallizing Corp., Yonkers, N. Y.
Graphalt Iron and Roof Paint. Campbell Glass & Paint Co., St. Louis, Mo.
Graphault Roofing Paint. The Hardy Paint & Varnish Co., Toledo, O.
Graphic Stylo Pens. D. W. Beaumel & Co., New York.
Graphide Protective Coating. R. F. Johnston Paint Co., Cincinnati, O.
Graphilatum Roofing Cements. Klein Mfg. Co., Cleveland.
Graphite Commutator Compounds. Jos. Dixon Crucible Co., Jersey City, N. J.
Graphite Corol Paint. Corol Company, Chicago.
Graphite Engine Lubricators. Lunkenheimer Co., Cincinnati.
Grapho Core Compounds. Pure Carbon Co., Wellsville, N. Y.
Grapho-Asbestos Metallic Packing. Strong Machinery & Supply Co., New York.
Graphobestos Facing. Chicago Engineer Supply Co., Chicago.
Grapho-Bestos Packing. Voorhees Rubber Mfg. Co., Jersey City, N. J.
Grapholite Preserving Paints. The Kay & Ess Co., Dayton, O.
Grapho Rivalite Metallic Packing. Strong Machinery & Supply Co., New York.
Graphoil Graphite Lubricants and Lubricating Oils and Greases. Graphoil Lubricating Co., Brooklyn.
Graphoscope Moving Picture Mach. Graphoscope Development Co., Newark, N. J.
Graphose Journal Bearings. Chicago Bearing Metal Co., Chicago.
Grapo Bestos Packings. Voorhees Rubber Mfg. Co., Jersey City, N. J.
Grasshopper Canners' Fruit Washing and Scalding Machines. Vance & Baker Mfg. Co., Muscatine, Ia.
Grasshopper, Shaking Screens, Coal, Coke, Sand, Gravel and Small Stone. Robins Conveying Belt Co., New York.
Graver Sidewalk Lights; Skylights; Mastic Floors; Composition Floors. Albert Grauer & Co., Detroit, Mich.
Graver Type K Water Softener and Purifiers. Graver Corporation, East Chicago, Ind.
Graver Water Softening & Purifying Apparatus. Graver Corp., East Chicago, Ind.
Graver Zeolite Water Softener. Graver Corporation, East Chicago, Ind.
Graves Drilling Attachments. Miller Falls Co., New York.
Graves Galvanized Copper Boilers. John Trageser Steam Copper Works, New York.
Gravity Brake Handles. Dayton Mfg. Co., Dayton, O.
Gravity-Lock Ledgers. McDonald Ledger & Loose Leaf Co., Chicago.
Gravity Mine Car Couplers. Gravity Coupler Co., E. Peoria, Ill.
Gravity Plane Mine Hoists. Robe, Holmes & Bros., Danville, Ill.
Gravity Sash Locks. Merital Devices Selling Co., Cleveland.
Gravity Style Fountain and Stylographic Pens. Sanford Pen Co., Inc., Brooklyn.
Gravity Underfeed Furnaces. Twin Fire Furnace Co., Chicago.
Grawin Pot Cover Repair Knobs. Graham & Bermin, New York.
Gray and Davis Electric Starters. Gray & Davis, Inc., Boston, Mass.
Gray Automatic Combustion Control Systems. Automatic Fuel Saving Co., Philadelphia, Pa.
Gray Automobile Mufflers. Gray-Hawley Mfg. Co., Detroit, Mich.
Gray-Beall Automobile Engines. Gray Motor Corp., Detroit.
Gray-Boston Lamps, Lanterns, Tinware and Sheet Metal Specialties. Peter Gray & Sons, Inc., East Cambridge, Mass.
Gray Bumpers and Luggage Carriers. Gray Auto Equipment Co., Oakland, Calif.
Gray Eagle Marble. Gray Eagle Marble Co., Knoxville, Tenn.
Gray Exhaust Mufflers; Lock Pedals; Muffler Cut-Out and Safety Valve. Gray-Hawley Mfg. Co., Detroit, Mich.
Gray Farm Tractors. Gray Tractor Co., Minneapolis.
Gray Gasoline Filter. Wilcox, Crittenden & Co., Inc., Middletown, Conn.
Gray Hot Blast Stoves. Gray & Dudley Hardware Co., Nashville, Tenn.
Gray Jacket Potato Sprayers. Field Force Pump Co., Elmira, N. Y.
Gray King Fire Hose. B. F. Goodrich Co., Akron, O.
Gray Lamps. Peter Gray & Sons, Inc., East Cambridge, Mass.
Gray Line Screw Drivers. Harding Mfg. Co., Mansfield, Mass.
Gray Metal Planers. The G. A. Gray Co., Cincinnati, O.
Gray Perfection Tape. U. S. Rubber Co., New York.
Gray Sheet Metal Cutting Machines. W. J. Savage Co., Knoxville, Tenn.
Gray Thread Milling Machines. Gray Machine & Parts Corp., Batavia, N. Y.
Gray-Thurber System. Automatic Train Control and Signal Co., Pittsburgh, Pa.
Gray & Prior Universal Joints. The Gray & Prior Machine Co., Hartford, Conn.
Grays Gas Compressors. Wilcox Crittenden & Co., Inc., Middletown, Conn.
Grays Harbor Fir and Spruce Lumber. National Lumber & Mfg. Co., Hoquiam, Wash.
Gray's Sheet and Plate Metal Profiling Machine; Turret Rotary Shear. Southwark Foundry & Machine Co., Philadelphia, Pa.
Graynie Auto Tire Locks. Graynie Corp., Chicago.
Graywood Envelope Sealer. The Elliot Co., Cambridge, Mass.
Graywyn Fixture Hangers. Chesapeake Electric Co., Baltimore.
Grease-in-Tubes Grease Lubricant. Crew-Levick Co., Philadelphia, Pa.
Great American Ball Bearing Lawn Mowers. Penna. Lawn Mower Works, Philadelphia.
Great Arrow Lawn Mowers. F. & N. Lawn Mower Co., Richmond, Ind.
Great Bear High Speed Steel. Ontario Electric Steel Co., Inc., Fulton, N. Y.
Great Falls Type Converters. Worthington Pump and Machinery Corp., New York.
Great Lakes Marine Paints. Hardy Paint & Varnish Co., Toledo, O.
Great Northern Harrow Carts and Shoveling and End Gate Board. Peoria Drill & Seeder Co., Peoria, Ill.
Great Northern Hot Water and Steam Heaters. Kewanee Boiler Co., Kewanee, Ill.
Great Northern Safety Gauge Cock. Northern Tool Co., Inc., Utica, N.Y.
Great Pencils. United States Pencil Company, Philadelphia, Pa.
Great Stickiest Mucilage. Carter's Ink Co., Boston.
Great West Riding and Walking Listers. Gale Mfg. Co., Albion, Mich.
Great Western Axle Grease. Great Western Oil Co., Cleveland, O.
Great Western Clothes Washing Machines. H. F. Bramer Mfg. Co., Davenport, Ia.
Great Western Cream Separators and Feed Carriers and Manure Spreaders. Rock Island Plow Co., Rock Island, Ill.
Great Western Disc Harrows. Cutaway Harrow Co., Higganum, Conn.

Great Western Drag Road Scrapers. Sidney Steel Scraper Co., Sidney, Ohio.
Great Western Files. Nicholson File Co., Providence, R. I.
Great Western Wood Fibre Plaster. American Cement Plaster Co., Buffalo, N. Y.
Greater Dayton Pneumatic Hammers. Dayton Pneumatic Tool Co., Dayton, O.
"Greaves-Etchells" Electric Furnace. Electric Furnace Construction Co., Philadelphia, Pa.
Greaves Geared Head Lathes. Greaves Machine Tool Co., Cincinnati.
Greb Wheel and Gear Puller. Greb Co., Boston.
Grebe Receivers, Amplifiers and Variometers. A. H. Grebe & Co., Inc., Jamaica, N. Y.
Grecian Electric Lamp Posts. Casey Hedges Co., Chattanooga, Tenn.
Gredag Grease Lubricant. Acheson Graphite Co., Niagara Falls, N. Y.
Greek Padlock. Fraim-Slaymaker Hardware Co., Lancaster, Pa.
Green A Calcined Plaster. Grand Rapids Plaster Co., Grand Rapids, Mich.
Green Blowers. Wilbraham-Green Blower Co., Pottstown, Pa.
Green End Open Hearth Steel. Hawkridge Bros. Co. Boston.
Green Head Jack Screws. Clinton E. Hobbs Co., Boston.
Green Label Lithophone. New Jersey Zinc Co., New York.
Green Label Sheet Packing. Anchor Packing Co., Philadelphia, Pa.
Green Marshall Paints and Varnishes. Green-Marshall Paint Co., Los Angeles.
Green Mountain Lawn Mowers. Worcester Lawn Mower Co., Worcester, Mass.
Green Oil Soap. Monahan Antiseptic Co., Chicago.
Green Pneumatic Tools. Dayton Pneumatic Tool Co., Dayton, O.
Green River Dies, Screw Plates. Greenfield Tap & Die Corp., Greenfield, Mass.
Green River Mandrels, Shoeing Vises; Swage Blocks. B. B. Noyes & Co., Greenfield, Mass.
Green Seal Beckton White Lithopone. E. I. du Pont de Nemours & Co., Inc., (Lithopone, Pigments & Heavy Chemicals Div.), Phila.
Green Seal Belt Dressing and Lubricants. Phoenix Oil Co., Cleveland, O.
Green Seal House Paint. Hanna Paint Mfg. Co., Columbus, O.
Green Seal Oxide of Zinc. The New Jersey Zinc Co., New York.
Green Slate Granules and Slate Flour. Vermont Milling Products Corp., Fair Haven, Vt.
Green Turtle Abrasive Wheels and Stones. Scranton Whetstone & Abrasive Wheel Co., Scranton, Pa.
Green Turtle Oil Stones. Scranton Whetstone & Abrasive Wheel Co., Scranton, Pa.
Green Wheelock Engines. American & British Mfg. Co., Providence R. I.
Greendale Rug Brick. Hocking Valley Products Co., Columbus, O.
Greenduck Canvas Belting. Webb Belting Co., Kansas City, Mo.
Greene Car Hauls. C. O. Bartlett & Snow Co., Cleveland.
Greenerd Arbor Presses. E. E. Bartlett, Nashua N. H.; J. H. Marston & Co., Boston, Mass.
Greenfield Drill Chucks. Goodell-Pratt Co., Greenfield, Mass.
Greenfield Grinders. Greenfield Tap & Die Corp., Greenfield, Mass.
Greenfield Storm Sash Hangers. W. J. Dennis & Co., Chicago.
Greenfieldduct Conduit. General Electric Co., Schenectady, N. Y.
Greenhouse Rubber Hose. Empire Tire & Rubber Corp., Trenton, N. J.
Greenland Ice and Refrigerating Machinery. Wallace Engine Co., New York.
Greenland Kryolith. Pennsylvania Salt Mfg. Co., Philadelphia, Pa
Greenlee Auger Bits. Greenlee Bros. & Co., Rockford, Ill.
Greenlee Flat Turret Lathes, Mortising and Boring Tools. Greenlee Bros. & Co., Rockford, Ill.
Green's Fuel Economizer. Green Fuel Economizing Co., Beacon, N. Y
Green's Metallic Library Shelving. Snead & Co., Jersey City, N. J.
Green's Seamless Drawing Tubing. American Tube Works, Boston.
Green's Automatic Drink Dispensing Equipment. Rathjen, Eggers Co., San Francisco.
Greenway Patent Log Washer. Allis Chalmers Mfg. Co., Milwaukee.
Greenwich Lye. Pennsylvania Salt Mfg. Co., Philadelphia, Pa.
Greenwood Boiler Flue and Tube Cleaners. Greenwood Mfg. & Supply Co., Boston, Mass.
Greenwood China. Greenwood Pottery Co., Trenton, N. J.
Greenwood Lamp Guards. Attleboro Elec. Mfg. Co., Attleboro, Mass
Greenwood Lawn Mowers. Dille & McGuire Co., Richmond, Ind.
Greenwood Metallic Dabbers. Tillotson Humidifier Co., Providence.
Greenwood Stave Jointing Machines. Rochester Barrel Machine Works, Rochester, N. Y.
Greenwood's Bear Duck. Turner, Halsey Co., New York.
Greer Electric Fuses. Harvard Electric Co., Chicago.
Greer Water Filters. The Greer Chemical Co., Chicago, Ill.
Gregg Pumps. Gregg Pump Co., Inc., Kansas City, Mo.
Gregory Gas Burners. Gas Tip & Self Lighter Co., New York.
Grenadite Explosives. R. A. Dick, Marietta, O.
Grenwall-Dixon Electric Furnace. John A. Crowley Co., Detroit, Mich
Greoil Lubricating Greases. Wm. C. Robinson & Son Co., Baltimore.
Gresilio Tiles. American Encaustic Tiling Co., Ltd., New York.
Gresolvent Hand Cleaner. The Utility Co., New York.
Gretchen Bean and Pea Planters. Moline Plow Co., Moline, Ill.
Grey Hull Phonograph Records. United Music Stores, Philadelphia.
Greyhead Insulating Tape. Consumers Rubber Co., Cleveland, O.
Greyhound Auto Chemicals, Cement, Polish and Oil Soap Lubricating Grease. Camden Chemical Mfg. Co., Inc., Camden, N. J.
Greyhound Clothes Washing Machines. Meadows Mfg. Co., Bloomington, Ill.
Greyhound Forge Blowers. Gardner, R., Electrical Works, Cleveland.
Greyhound High-Speed Drill. Reliance Steel & Tool Co., New York.
Greyhound Leather Belting. F. W. McLanathan & Sons, Lawrence, Mass.; McLeod Leather & Belting Co., Greensboro, N. C.
Greyhound Saws. Geo. H. Bishop & Co., Lawrenceburg, Ind.
Greystone Mills Absorbent Cotton. Frank B. Graves, Albany, N. Y.
Gridley Automatic Screw Machines. The National Acme Co., Cleveland, Ohio.
Gridley Turret Lathe. The National Acme Co., Cleveland, O.
Grieve Grates. Combustion Engineering Corp., New York.
Griffin Grinding Mills. Bradley Pulverizer Co., Boston.
Griffin Hardware. Griffin Mfg. Co., Cherry, Pa.
Griffin Mill Pulverizing Machinery. Bradley Pulverizer Co., Boston.
Griffin Safety Razors. A. L. Silberstein, New York.
Griffin Suction Conveyors. Griffin Engineering & Construction Co., Elkhart, Ind.
Griffin Wheels. Griffin Wheel Co., Chicago.
Griffith Hatchets. Griffith Tool Works, Philadelphia.
Griffiths Pump Governors. Collins Mfg. Co., Philadelphia, Pa.
Griffitts Belt Joiner Hammers. T. H. Griffitts Machine Works, San Francisco.
Griffon Cutlery. A. L. Silberstein, New York.
Griffon Electric Lamp Posts. Casey-Hedges Co., Chattanooga, Tenn.
Grimes Molding Machines. Grimes Molding Machine Co., Detroit, Mich.
Grimeter Liquid Soap. U. S. Sanitary Specialities Corp., Chicago.
Grimm Maple Sap Buckets, Maple Syrup Cans and Maple Sugar Evaporators. G. H. Grimm, Rutland, Vt.
Grimm Death Couplings Shaft. Dodge Mfg. Corp., Mishawaka, Ind.
Grimms Boiler Cleaners. John S. Bushnell & Co., New York.
Grimshaw Insulating Tape and Black Rubber Covered Wire. New York Insulated Wire Co., Boston.
Grindle Pulverized Fuel System. Grindle Fuel Equipment Co., (Subsidiary of Whiting Corp.), Harvey, Ill.
Grinnel Pneumatic Forges. Cleveland Pneumatic Tool Co., Cleveland, O.
Grinnell Auto Gloves. Morrison-Ricker Mfg. Co., Grinnell, Ia.
Grinnell Automatic Sprinkler Systems, Cast Iron Fittings, Adjustable Pipe Hangers, Humidifying and Drying Equipment, Etc. Grinnell Co., Inc., Providence, R. I.
Grinnell Instantaneous Electric Water Heaters. Grinnell Electric Heater Co., Grinnell, Ia.
Grinnell Wrist Fit Leather Gloves. Morrison-Ricker Mfg. Co., Grinnell, Ia.
Grip Rack Luggage Carriers. Milwaukee Motor Products, Inc., Milwaukee.
Grip Carriage Fasteners. English & Mersick Co., New Haven, Conn.
Grip Fruit Jar Wrenches. Cassady, Fairbank Mfg. Co., Chicago.
Grip Grease Cups. The Lunkenheimer Co., Cincinnati, O.
Grip Nuts. Grip Nut Company, Chicago.
Grip Pipe Couplings. Grabler Mfg. Co., Cleveland.
Grip Pulley Leather Belting. H. N. Cook Belting Co., San Francisco, Calif.
Grip-Snip Bean Snippers (for Canning Factories). Grip-Snip Machine Corp., Rochester, N. Y.
Grip Stove Lid Lifters. Hamblin & Russell Mfg. Co., Worcester, Mass.
Grip Tite Acid Proof Belting. Olmsted Flint Co., Cambridge, Mass.
Gripotan Leather Belting. J. E. Rhoads & Sons, Philadelphia, Pa.
Gripstick Bar Belt Dressing. Chicago Belting Co., Chicago.
Grip-Tite Belt, Cement. The Diamond Rubber Co., Inc., Akron, O.
Griptite Conduit Clamps. Novelty Electric Co., Philadelphia, Pa.
Griptite Ground Connection Clamps. Novelty Electric Co., Phila.
Griptite Insulating Tape. Consumers Rubber Co., Cleveland, O.
Griptite Leather Belting. Olmsted-Flint Company, Cambridge, Mass.
Griptite Pliers. Kraeuter & Co., Newark, N. J.
Griptite Screwdrivers. Kraeuter & Co., Newark, N. J.
Griplock Chain Link Belting. Chain Belt Co., Milwaukee.
Griswold-American Waffle Irons. Griswold Mfg. Co., Erie, Pa.
Griswold Bale Ties. Northwestern Barb Wire Co., Sterling, Ill.
Griswold Fry Pans, Aluminum Hollowware, Meat and Food Choppers, Stove Pipe Dampers, Etc. Griswold Mfg. Co., Erie, Pa.
Grizzly Belting. Mechanical Rubber Co., Cleveland, O.
Grizzly Power Swiveling Loaders. H. W. Caldwell & Son, Chicago; Link-Belt Co., Chicago, Indianapolis, Philadelphia.
Grobet Swiss Files. Montgomery & Co., Inc., New York.
Groetken Oil Pumps. The Groetken Pump Co., Aurora, Ill.
Gromor Garden Tractors. Frank Held Tractor Co., Columbus, O.
Gronwall-Dixon Electric Furnaces. John A. Crowley Co., New York.
Gronwall Electric Furnaces. John A. Crowley Co., New York.
Gross Oil and Gasoline Pumps. A. C. Kraft, Chicago.
Grosser Hosiery Knitting Machines. Max Nydegger, New York.
Grote Sectional Heaters, Elevators, Tobacco Presses. F. Grote Mfg. Co., Evansville, Ind.
Ground Hog Road Scrapers. Sidney Steel Scraper Co., Sidney, O.
Grub Tank Heaters. Drew Carrier Co., Waterloo, Wis.
Grubite Chemically Pure Granite. Grueby Faience & Tile Co., Perth Amboy, N. J.
Grundy Compression Bibbs. Hoffman & Billings Mfg. Co., Milwaukee, Wis.
Grundy Flexible Couplings. Charles Bond Co., Philadelphia, Pa.
Grupe Boilers, Driers, Engines, Pumps, Heaters, Stacks, Stokers, Tanks. Grupe Boiler & Drier Co., Davenport, Ia.
Grus Leaf Spring Oiler. Grus Leaf Spring Oiler Co., Chicago.
Gruss Shock Absorbers. Cleveland Pneumatic Tool Co., Cleveland, O.
Gruss Shock Absorbers. Gruss Air Spring Co., San Francisco.
Gruwa-Huntington Emery Wheel Dressers. Challenge Machine Co., Philadelphia.
Guarantee Clothes Washing Machines. Michigan Washing Co., Muskegon, Mich.
Guarantee Rubber Packing. Acme Rubber Mfg. Co., Trenton, N. J.
Guarantee Soda Water Fountains. Fountain Specialty Co., Grand Haven, Mich.
Guaranteed Perfection Cobblers' Outfits. Fate Root-Heath Co., Plymouth, O.
Guard Grease Cups. The Lunkenheimer Co., Cincinnati, O.
Guard Padlocks. Fraim-Slaymaker Hardware Co., Inc., Lancaster, Pa.
Guard-well Paper Fastener. L. F. Grammes & Sons, Allentown, Pa.
Guardene Fire Extinguishers. Pyrene Mfg. Co., Newark, N. J.
Guardian Cotton Hose & Sheet Packing. Pioneer Rubber Mills, San Francisco.
Guardian Brass Unions. H. B. Sherman Mfg. Co., Battle Creek, Mich.
Guardian Hose. Pioneer Rubber Mills, San Francisco, Cal.
Guardian Oil Cups. H. B. Sherman Mfg. Co., Battle Creek, Mich.
Guardian Roofing Felts and Composition. Flintkote Co., Boston.
Gugenstrom Bath Water Heaters. Federal-Huber Co., Chicago.
Guiberson-Crowell Bottom Water Plugs. Guiberson Corp., Dallas.
Guiberson-Richard Tubing Catchers. Guiberson Corp., Dallas.
Guibert Fire Hose Reels. Cliff & Guibert Co., New York.
Guilford Fireplace Heaters. B. C. Bibb Stove Co., Baltimore.
Guillott Gaskets. Guillott Metal Gasket & Supply Co., Chicago.
Guillott Metalic Gaskets. Gasket Mfg. Co., Galeton, Pa.
Gulf Belt; Hose; Packing; Mats. The Diamond Rubber Co., Inc., Akron, O.
Gulf Coast Red Cypress. Louisiana Red Cypress Co., New Orleans, La.
Gulf Hose, Packing. The Diamond Rubber Co., Inc., Akron, O.
Gulf States Leather Belting. Gulf States Belting & Hose Co., Shreveport, La.
Gulf Stream Cotton Dock. John Boyle & Co. (Inc.), New York.
Gulland Stand Pipes. Pittsburgh Valve, Foundry & Construction Co., Pittsburgh.
Gum Lac Varnish. Ball Chemical Co., Pittsburgh, Pa.
Gum Tite Paint and Varnish Brushes. The Osborn Manufacturing Co., Inc., Cleveland.
Gumbo Buster Well Drilling Machines. Republic Supply Co., Houston, Texas.
Gummon Insulation. Hemming Mfg. Co., Garfield, N. J; Garfield Mfg. Co., Garfield, N. J.
Gun Hand and Machine Taps. Greenfield Tap & Die Corp., Greenfield, Mass.
Gun Metal Belt Studs. Manufacturers Belt Hook Co., Chicago.
Gun Taps. Greenfield Tap & Die Corp., Greenfield, Mass.

Gunite. Cement-Gun Co., Cornwells Heights, Pa.
Gunmon Radiator Caps. Tiffany Mfg. Co., Newark, N. J.
Gunnell Pneumatic Tools. Manitowoc Ship Bldg. & Dry Dock Co., Manitowoc, Wis.
Gunner Cotton Hose. Acme Rubber Mfg. Co., Trenton, N. J.
Gunn Desks, Files, Book Cases. Gunn Furn. Co., Grand Rapids, Mich.
Gunther Engine Governors. Wright Machine Co., Owensboro, Ky.
Gunther Engine Humidifier. Gunther Mfg. Co., Los Angeles.
Gunther's Hot Water Heaters. Peter's Pump Co., Kewanee, Ill.
Gurley Hook Gage Meter Recorders. W. & L. E. Gurley, Troy, N. Y.
Gurley Transits and Levels. W & L. E. Gurley, Troy, N. Y.
Gurly Horse Back Bands. Couch Bros. Mfg. Co., Atlanta, Ga.
Gurney Ball Bearings. Gurney Ball Bearing Co., Jamestown, N. Y.
Gurney Heaters. Gurney Heater Mfg. Co., Boston, Mass.
Gusher Pumps. The F. E. Myers & Bro., Ashland, O.
Gustafson Mine Car Wheels. Gustafson Mfg. Co., Chattanooga, Tenn.
Guth Farm Gates. Guth Gate Co., Waverly, Ohio.
Guthrie Self-Measuring Oil Pumps. R. E. Chapin Mfg. Works, Batavia, N. Y.
Gutta Balata Belting. Boston Belting Corp., Boston.
Gwilliam Thrust and Roller Bearings. Gwilliam Co., Brooklyn, N. Y.
Gwin-Flex Hospital Stretchers. Gwin-Flex Stretcher Co., San Francisco.
Gwynn Gas Burners. Duquesne Burner Service, Pittsburgh, Pa.
Gyite Sealing Wax. Insulatine Co., New York.
Gypsite Column Coverings, Fire-Proof Floors, Tile Ceilings. Gypsite Fireproofing Co., Detroit.
Gypsum Construction Blocks. Keystone Fireproofing Co., New York
Gypsy Grass Hooks. Dunn Edge Tool Co., Oakland, Me.
Gypsy Winches and Windlasses. Wilcox Crittenden Co., Inc., Middletown, Conn.
Gypsy Windlasses. Gillie Machine Co., Tonawanda, N. Y.
Gyratory Rock Crushers. Traylor Engineering & Mfg. Co., Allentown, Pa.
Gyro Tool Steel. Braeburn Steel Co., Braeburn, Pa.
Gyro Air Scrubbers. Bayley Mfg. Co., Milwaukee, Wis.
Gyrofan Electric Ceiling Fans. National Screw & Tack Co., Cleveland.
Gyrofans. Adams Bagnall Elec. Co., Cleveland, O.
Gysinge Alloy Steel. Electro Steel Co., Inc., Pittsburgh.

H

H Transformers. General Electric Co., Schenectady, N. Y.
H.-2-O. W. P. Belting. Schwartz Belting Co., New York.
H.-B. Boilers. The H. B. Smith Co., Westfield, Mass.
H. B. Carbon Paper and Typewriter Ribbons. J. A. Heale & Co., New York.
H B. Constant Potential Battery Charger. Hobart Brothers Co., Troy, Ohio.
H. B. Die Blocks. Heppenstall Forge Co., Bridgeport, Conn. Heppenstall Forge & Knife Co., Pittsburgh, Pa.
H.-B. Dredge Chain. American Chain Co., Inc., Bridgeport, Conn.
H. B.-D. W. F. Ball Bearings, Car Journals & Shaft Hangers. Hess Bright Mfg. Co., New York.
H-B Life Guards. Consolidated Car Fender Co., Providence, R. I.
H. B. Perfection Floor and Ceiling Plates. Houghton Mfg. Co., Worcester, Mass.
H. B. Potato Diggers; Hiller. Hirsch Bros., Milwaukee.
H. B. Smith Endless-Bed Triple-Drum Sander. Wayne Machinery Co., Ft. Wayne, Ind.
H.-B. Snow Guards. Clason Architectural Metal Wks., Providence, R. I.
H. B. Tampico Wheel Brush Sections. The Herold Brothers Co., Cleveland, O.
H. B. Water Boilers. H. B. Smith Co., Westfield, Mass.
H. C. Automobile and Motor Truck Jacks. Lane Bros. Co., Poughkeepsie, N. Y.
H. C. B. Manganese Steel Centre Tongue Switches, Track and Street Railway Switches. Wm. Wharton, Jr., & Co., Inc., Easton, Pa.
H. C. Die Blocks. Heppenstall Forge Co., Bridgeport, Conn. Heppenstall Forge & Knife Co., Pittsburgh, Pa.
H C N Sewer Traps, Sleeves, Studs, etc. Horace C. Nichols, Brookline, Mass.
H. C. Polishing Shot. Globe Steel Abrasive Co., Mansfield, O.
H. C. S. Automobiles. H. C. S. Motor Car Co., Indianapolis, Ind.
H. C. Virgin Clay Screens. Chambers Bros. Co., Philadelphia.
H-D Electors. Manning, Maxwell & Moore, New York.
H-D Ford Chassis Extension. Hayes-Diefenderfer Co., New York.
H. D. S. & Co. Carpenters and Blacksmiths Pincers. H. D. Smith & Co., Plantsville, Conn.
H. D. W. Caps, Inlets. Geo. W. Maltby & Sons Co., Buffalo, N. Y.
H. E. Die Blocks. Heppenstall Forge Co., Bridgeport, Conn. Heppenstall Forge & Knife Co., Pittsburgh, Pa.
H. E. H. Tapping Machines. Harris Engineering Co., Bridgeport, Conn.
H. F. Agricultural Implements. Harriman Mfg. Co., Harriman, Tenn.
H. G. Oil Specialties. Herbert Greenewald Co., Camden, N. J.
H. H. Brand French Antimony. Leavitt C. W. & Co., New York.
H. H. Brown Cattle Dehorners. Leavitt Mfg. Co., Urbana, Ill.
H. H. Steam Traps. Jas. McCrea & Co., Chicago.
H. J. & C. Compression Stops. Haines, Jones & Cadbury Co., Phila.
H. K. Babbitt. Brass Foundry Co., Peoria, Ill.
H. K. Bearing Bronze. Brass Foundry Co., Peoria, Ill.
H. K. Twine. Herman Kornahrens, Inc., New York.
H. K. Wood's Mo-Lyb-Den-Um Shovels. Wood Shovel & Tool Co., The, Piqua, O.
H. M. Cylinder Oil. Conewango Refining Co., Warren, Pa.
H. M. R. Asphalt Shingles and Roll Roofing. Reynolds Shingle Co., H. M., Grand Rapids, Mich.
H. M. S. Bull Dog Spark Plugs. Hartford Machine Screw Co., Hartford, Conn.
H. M. & H. Tractors. Henry, Millard & Henry, York, Pa.
H O Diesel Engines. St. Mary's Oil Engine Co., St. Charles, Mo.
H. O. H. Steel Sheet. Follansbee Bros. Co., Pittsburgh.
H-O Pipe Joint Cement. Johns-Manville, Incorporated, New York.
H.-P. Electric Cable Hangers. H. P. Copeland, New York.
H. P. Grinding Wheel Dressers. The H. P. Company, Midland, Mich.
H-P-M Hydraulic Equipment. The Hydraulic Press Mfg. Co., Mount Gilead, O.
H. P. One Man Grader. The Hadfield-Penfield Steel Co., Bucyrus, O.
H-Q Paints and Varnishes. Patek Bros., Milwaukee, Wis.
H-R Flag Holders. H-R Manufacturing Co., Chicago.
H. R. H. Paint Cleaner and Water Softener. The Absorene Mfg. Co., St. Louis, Mo.
H. R. L. Motor Trucks. H. R. L. Motor Co., Seattle, Wash.
H. R. M. Calcined Plaster. Grand Rapids Plaster Co., Grand Rapids, Mich.
H. S. Artificial Leather, Automobile Brake Shoes, Gears, Hubs, Commutators, Rods, Springs, Wrenches, Etc. Hill-Smith Metal Goods Co., Boston.
H. S. Die Blocks. Heppenstall Forge Co., Bridgeport, Conn. Heppenstall Forge & Knife Co., Pittsburgh, Pa.
H. S. Earle's Corn Harvester Knives. North Wayne Tool Co., Hallowell, Me.
H-S-G Boilers, Feed Water Heaters and Steam Engines. Houston, Stanwood & Gamble Co., Cincinnati, O.
H-S Letts Manifold Heaters. Hill-Smith Metal Goods Co., Boston, Mass.
H. T. Manganese Steel Centre Tongue Switches; Track and Street Railway Switches. Wm. Wharton, Jr., & Co., Inc., Easton, Pa.
H. T. Miller's Axes. American Axe & Tool Co., Glassport, Pa.
H. 20 Waterproof Belting. Schwartz Belting Co., New York.
H. V. Cutters, Corn Shellers, Cider Mills, etc. Hocking Valley Mfg. Co., Lancaster, O.
HVL Polish. Hiscox & Co., Patchogue, N. Y.
H. W. Barn Door Latches. Hardware Specialty Mfg. Co., Anderson, Ind.
H.-W. Cross Head Pin Oilers. The Lunkenheimer Co., Cincinnati, O.
H. W. Ricon Gas Retorts. Harbison-Walker Refractories Co., Pittsburgh.
H. W. Thread Gauges. Hanson Whiting Machine Co., Hartford, Conn.
H. W. W. Wire Connectors. Fairmount Electric & Mfg. Co., Phila.
H. X. Die Blocks. Heppenstall Forge Co., Bridgeport, Conn. Heppenstall Forge & Knife Co., Pittsburgh, Pa.
H. & A. Automatic Punch Press Guard. H. & A. Lock Co., Brooklyn, N. Y.
H. & A. Castings & Forgings. Malleable Iron Works, New Britain, Conn.
H. & A. Chains. Sprocket. Henry & Allen, Auburn, N. Y.
H. & A. Revolvers. Hopkins & Allen Arms Co. (Br. of Marlin-Rockwell Corp.), Norwich, Conn.
H. & A. Shoveling and End Gate Boards. Peoria Drill & Seeder Co., Peoria, Ill.
H. & A. Steam Pressure Cooker & Canner. Henninger & Ayes Mfg. Co., Portland, Ore.
H. & B. Bath Waste. Hoffman & Billings Mfg. Co., Milwaukee.
H. B. Box Openers, Screw Driver Bits. Landers, Frary & Clark, New Britain, Conn.
H. & B. Floor and Ceiling Plates. Parker Wire Goods Co., Worcester, Mass.
H. & B. Flush Plugs. Hatzell & Buehler, New York.
H. & B. Golf Clubs. Hillerich & Bradley Co., Louisville, Ky.
H. & B. Paving Brick Testing Machine. Hetherington & Berner, Indianapolis, Ind.
H & B Power Feed Panel Raiser; Band Saw Machines. Hall & Brown Wood Working Machine Co., St. Louis, Mo.
H. & B. Transits. Heller & Brightly, Philadelphia, Pa.
H. & B. Typewriter Oils. J. A. Heale & Co., New York.
H. & D. Corrugated Shipping Boxes. The Hinde & Dauch Paper Co., Sandusky, O.
H. & D. Fertilizer Distributors and Spring Tooth Harrows. Hench & Dronigold Co., York, Pa.
H. & G. Automatic Die Heads and Collapsible Tape. Eastern Machine Screw Corp., New Haven, Conn.
H. G. Collapsible Taps, Self-Opening Die Heads and Wrenches. Eastern Machine Screw Corp., New Haven, Conn.
H. & H. Horse Back Bands. Couch Bros. Mfg. Co., Atlanta, Ga.
H. & H. Metallic and Steel Lockers, Blue Print, Filing and Shelving, Tool Cabinets, Wardrobes. Hart & Hutchinson Co., New Britain, Conn.
H. & H. Reflectors. Paulson-McPike Mfg. Co., Cleveland, O.
H. & H. Switches. Hart & Hegeman Mfg. Co., Hartford, Conn.
H. & K. Electric Pumps. Hurd & Koenig Co., New York.
H. & K. Walkover Car Seats. American Motor Body Co., Philadelphia, Pa.
H. & L. Electric Fuses. Hart & Hegeman Mfg. Co., Hartford, Conn.
H. & M. Cutouts. Elm City Engineering Co., New Haven, Conn.
H. & M. Tiger Steel Bunks. De Remer-Blatchford Co., Chicago.
H. & P. Staybolt Iron. Hughes & Patterson, Philadelphia.
H. & R. Base Ball Masks, Sink Brushes. Hamblin & Russell Mfg. Co., Worcester, Mass.
H. & R. Revolvers. Harrington & Richardson Arms Co., Worcester, Mass.
H. & R. Straight Line Metal Cutting Band Saw Machine. Houghton & Richards Inc., Boston 9, Mass.
H. & S. Improved Fuse Plugs. H. & L. Refillable Fuse Plug Co., Chicago.
H. & S. Piston Rings. Hangliter & Storrs, Pasadena, Cal.
H. & V. W. Elliptic Anodes. Hanson & Van Winkle Co., Newark, N. J.
H. & W. Electric Heaters. Hegeman-Castle Corp., Chicago; Holden & White, Chicago.
Haag Clothes Washing Machines. Haag Bros. Co., Peoria, Ill.
Haarlem Oil. (Mfrd. by Weaning Tilly Bros., Haarlem, Holland), A. F. Brombacher & Co., New York.
Haas Anti-Freezing Water Closets & Flushing Valves. Philip Haas Co., Dayton, O.
Haas Hydrometers. Phillip Haas & Co., Dayton, O.
Haase Milling Machine Attachments. Enderes, Inc., Albert Lea, Minn.
Habirshaw Electric Wire. Habirshaw Electric Cable Co., New York.
Hack Devil Adzes. The Warren Tool & Forge Co., Warren, O.
Hacker Hand Press and Plate Gauge Rectifier. Hacker Mfg. Co., Chgo.
Hackney Steel Barrels and Drums; Acetylene Cylinders; Pressed Steel Shapes; Seamless Steel Tanks. The Pressed Steel Tank Co., Milwaukee, Wis.
Hadco Bin Label Cards and Card Holders. Haddon Bin Label Co., Haddon Heights, N. J.
Hagen Hydro Extractors and Laundry Machines. American Laundry Machinery Co., Cincinnati.
Hahl Pneumatic Clocks. Time System Co., Detroit, Mich.
Hahn Improved Acetylene Burner. J. B. Carroll, Mfr., Chicago.
Hahn Watchman's Clocks. Nanz Clock Co., New York.
Haigh Testing Machines. Herman A. Holz, New York.
Haight's Pump Valves. Chandler Pump Co., Cedar Rapids, Ia.
Haines Concrete Mixers. Haines Concrete Mixer Co., Washington, D. C.
Haines Micrometer Gauges. The Haines Gauge Co., Philadelphia, Pa
Haines Vacuum Controllers and Heating Systems. Wm. S. Haines & Co., Philadelphia.
Haines Valves and Traps. Wm. S. Haines & Co., Philadelphia, Pa.
Hains Concrete Mixers, Hoppers, etc. Clason-Miller Co., Providence, R. I.
Hairinsul Insulation. American Hair Felt Co., Chicago.
Haiss Portable Belt Conveyors; Wagon Loaders; Car Unloaders; Etc. The George Haiss Mfg. Co., Inc., New York.
Hajoca Bath Room Fixtures. Haines, Jones & Cadbury Co., Phila.
Hajoca Cocks, Closets, Tubs, Lavatories, Fountains, etc. Haines, Jones & Cadbury Co., Philadelphia, Pa.

Hal Twelve Motor Cars. The Hal Motor Car Co., Cleveland, O.
Halazone Water Purifier. The Abbott Laboratories, Chicago.
Halby Shoveling Machine. Lake Shore Engine Wks., Marquette, Mich.
Halco Mimeographing Inks, Typewriter and Multigraph Ribbons. The Shallcross Company, Philadelphia, Pa.
Halco Sportsman's Leggings. Hagerstown Shoe & Legging Co., Hagerstown, Md.
Halcomb Stainless Steel. Hawkridge Bros. Co., Boston, Mass.
Hale & Benjamin Hinges. Parker Wire Goods Co., Worcester, Mass
Hale Automatic Blind Hinges. Parker Wire Goods Co., Worcester, Mass.
Hale Diving Dress. Alfred Hale Rubber Co., South Boston, Mass.
Halectralloy Brand Steels. Halcomb Steel Co., Syracuse, N. Y.
Halectralloy Halcomb Electric Alloy Steels, for Motor Cars, Special Engng. & Mach. Purposes. Halcomb Steel Co., Syracuse, N. Y.
Haley Hose Nozzles. Boston Coupling Co., Boston, Mass.
Half Patent Windlasses. Thos. Laughlin Co. Portland, Me.
Half-Sole Tires. Gates Rubber Co., The, Denver, Colo.
Halico Laundry Supplies. Hachmeister-Lind Chemical Co., Pittsburgh, Pa.
Halja Electric Fuses. Bussman Mfg. Co., St. Louis, Mo.
Halket Street Sweeper. Bay City Iron Works, San Francisco; Vandyck Churchill Co., New York.
Hall Fibre Talking Machine Needles. Hall Mfg. Co., Chicago.
Hall Grate Bars. The Stowell Co., So. Milwaukee, Wis.
Hall Incandescent Electric Lamps. Capitol Electric Co., Denver, Colo.
Hall Motor Trucks. Lewis Hall Motors Corp., Detroit.
Hall Oil Filters. Hall Mfg. Co., Harrison, N. J.
Hall Potato Hooks. Wallingford Mfg. Co., Wallingford, Vt.
Hall Pumps. Hall Steam Pump Co., Pittsburgh.
Hall Scott Airplane and Marine Engines. Hall-Scott Motor Car Co., Berkeley, Calif.
Hall-Scott Passenger Cars. Hall-Scott Motor Car Co., San Francisco.
Hall's Cast Iron Pipe Cutters, Pipe Reamers. Walworth Mfg. Co., Boston, Mass.
Halls Gas Heaters and Furnaces. D. H. McCorkle Mfg. Co., Oakland, Cal.
Hall's Gloves. Hall & Co., Inc., H. S., Jersey City, N. J.
Hall's Grate Bars. Stowell Co., S. Milwaukee, Wis.
Hall's Oil and Grease Cups. Hall Mfg. Co., Harrison, N. J.
Hall's Patent Safes. Hall's Safe Co., Cincinnati.
Hall's Styk-um-phast. Hall Paper & Specialties Co., New York.
Halladay Tank Fixtures, Valves and Windmills. U. S. Wind Engine & Pump Co., Batavia, Ill
Halldorson Portrait Flash Lamps; Studio Lamps; Banquet Bags. The Halldorson Co., Chicago.
Hallett Trolley Line Materials, Arc Lamp Brackets, Anchor Rods, Cable Reel Jacks, Cable Trolleys, Pole Clamps. Hallett Iron Works, Harvey, Ill.
Hallowell Steel Shaft Collars; Counter Shaft Hangers; Bench Legs; Loading Platforms for Lift Trucks. Standard Pressed Steel Co., Philadelphia, Pa.
Halo Fire Brick. Central Refractories Co., New Lexington, O.
Haloric Sheet Packing. Quaker City Rubber Co., Philadelphia.
Halowax a trade name for Chloro-Napthalene owned by Bakelite Corp., New York.
Halsey Ice Chippers. Bernardin Bottle Cap Co., Evansville, Ind.
Halstead Attrition Mills. Engelberg Huller Co., Syracuse, N. Y.
Halversons Water Bath for Laboratory Work. National Appliance Co., Portland, Ore.
Halyburton Valves. American Car & Fdry. Co., New York.
Ham's Coping Machinery. L. M. Ham & Co., Boston, Mass.
Hamburg Potato Diggers. Gowanda Agricultural Wks., Gowanda, N. Y.
Hamburg Potato Diggers. Hamburg Plow Works, Hamburg, Pa.
Hamburg Tanks. Hamburg Boiler Works, Hamburg, Pa.
Hamil Ore Feeders. Harron Rickard & McCone, Los Angeles.
Hamilton Advance Gasoline and Traction Engines. Advance Mfg. Co., Hamilton, O.
Hamilton Beach Electric Fans, Motors, Hair Dryers, Drink Mixers, Massage Vibrators and Vacuum Cleaners. Hamilton Beach Mfg. Co., Racine, Wis.
Hamilton Casters. The Hamilton Caster & Mfg. Co., Hamilton, O.
Hamilton Corliss Engines. Hooven, Owens, Rentschler Co., Hamilton, O.
Hamilton Disc Harrows. Long & Allstater Co., Hamilton, O.
Hamilton Engines. Advance Mfg. Co., Hamilton, O.
Hamilton Gas Engines. Wogaman Bros. Co., Greenville, O.
Hamilton Hose. Hamilton Rubber Mfg. Co., Trenton, N. J.
Hamilton Machine Tools. Hamilton Machine Tool Co., Hamilton, O.
Hamilton Mills Emery. Hamilton Emery & Corundum Co., Chester, Mass.
Hamilton Multometers and Truck-O-Meters. The Hamilton Corp. Lancaster, Pa.
Hamilton Pig Iron. Hanging Rock Iron Co., Hanging Rock, O.
Hamilton Piston Pins. Standard Metal Goods Co., Cleveland.
Hamilton Planter. The Hamilton Machine Tool Co., Hamilton, O.
Hamilton-Pratt Cane Sugar Machinery. Hooven, Owens, Rentschler Co., Hamilton, O.
Hamilton Shears and Scissors. Wiebush & Hilger, New York.
Hamilton Steam Engines, Air & Gas Compressors, Pumps, Sugar Cane Mills. Hooven, Owens & Rentschler Co., Hamilton, O.
Hamilton Wear-Proof Window Shades. Forse Mfg. Co., Anderson Ind.
Hamilton Wire Fence Machinery. H. P. Deuscher Co., Hamilton, O.
Hamilton Wooden Barrows. Chattanooga Wheelbarrow Co., Chattanooga, Tenn.
Hammar Re-Tread Tire Molds. L. L. Caldwell Co., Los Angeles.
Hammel Oil Burning Equipment, Oil Burners, Oil Valves, Pumps and Patent Furnaces. Hammel Oil Burning Equipment Co., Inc., New York.
Hammer Brand Horse and Mule Shoes. Old Dominion Iron & Steel Corp., Richmond, Va.
Hammer Clamps and Hardware Specialties. Malleable Iron Fittings Co., Branford, Conn.
Hammer Core Machinery. American Foundry Equip. Co., New York
Hammer Cypress Shingles. Hammer Lumber Co., Philadelphia, Pa.
Hammer Handle Wrenches. Coes Wrench Co., Worcester, Mass.
Hammer Self-Locking Row Locks. Malleable Iron Fittings Co., Branford, Conn.
Hammerlock Closet Seats and Plumbers' Wood Work. J. C. Eichman Mfg. Co., Baltimore, Md.
Hammerlock Cotter Pins. American Chain Co., Inc., Bridgeport, Conn
Hammermill Bond Paper. Hammermill Paper Co., Erie, Pa.
Hammond Can Labeling Machines. A. K. Robins & Co., Baltimore.
Hammond "Neverslip" Portable Floor Crane. Barrett-Cravens Co., Chicago.
Hammond Radial Drills. The Hammond Mfg. Co., Cleveland, O.
Hammond Typewriters. Hammond Typewriter Co., New York.
Hammond Water Meters. Wheeler Condenser & Eng'g Co., Carteret, N. J.
Hammondtank Steel Tanks. Hammond Iron Works, Warren, Pa.
Hampden Leather Belting. Holyoke Belting Co., Holyoke, Mass.
Hampden Paint. Hampden Paint & Chemical Co., Springfield, Mass.
Hampden Rug Fasteners and Picture Hooks. Hampden Mfg. Co., New York.
Hampden Wheels. Hampden Corundum Wheel Co., Springfield, Mass.
Hampshire Artistic Pottery. Hampshire Pottery, Inc., Keene, N. H.
Hampshire Faucets and Valves. Haydenville Co., Haydenville, Mass.
Hampshire Lawn Mowers. Granite State Mowing Machine Co., Hinsdale, N. H.
Hampton Metal Lath. Penn Metal Co., Boston.
Hamr-Handl Screw Drivers. Crescent Tool Co., Jamestown, N. Y.
Hanak Elevating Machinery. Hanak Conveyor Co., Houston, Tex.
Hanchett Grate Bars. Hanchett Hot Blast Grate Co., Big Rapids, Mich.
Hanchett Saw Filing and Setting Machinery. Hanchett Swage Works, Big Rapids, Mich.
Hancock Concentrating Mill Jigs. Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Hancock Gasoline Strainers. Hancock Mfg. Co., Charlotte, Mich.
Hancock Inspirators and Ejectors, Valves, Boiler Testers, Washers and Fillers. Manning, Maxwell & Moore, Inc. (Hancock Inspirator Co. Div.), New York.
Hancock Jig for Concentrating Mills. Allis-Chalmers Mfg. Co., Milwaukee.
Hancock Jr. Dic Plows. Racine-Sattley Co., Springfield, Ill.
Handi Hanger Extension Bars. M. B. Skinner Co., Chicago.
Handi Hook Pot Covers. Republic Metalware Co., Buffalo, N. Y.
Handilift Hand Operated Vertical Tiering Machines and Belt Conveyors. Standard Conveyor Co., N. St. Paul.
Handi-Tool Combination Tools. C. E. Benefiel Co., Indianapolis, Ind.
Handlan Drill Chucks, Car Seal Presses, Engine & Tail Markers. Handlan-Buck Mfg. Co., St. Louis.
Handlan Seal Presses and Car Seals. Handlan-Buck Mfg. Co., St. Louis, Mo.
Handley-Knight Automobiles. Handley-Knight, Kalamazoo, Mich.
Handphone Horns. E. A. Laboratories, Inc., Brooklyn, N. Y.
Handy Andy Cultivators. International Harvester Company of America Inc., Chicago.
Handy Andy Shovels. Owensboro Shovel & Tool Co., Owensboro, Ky.
Handy Anti Rattlers. Monarch Carriage Goods Co., Cincinnati.
Handy Ash Can Trucks. W. G. Browne Mfg. Co., Kingston, N. Y.
Handy Automobile Switches and Receptacle Plugs. Chicago Electric Mfg. Co., Chicago.
Handy Bag Trucks. Cardington Cabinet Co., Cardington.
Handy Bar Belt Dressing. Crescent Belt Fastener Co., New York.
Handy Barrel Cart. The Lansing Company, Lansing, Mich.
Handy Batch Concrete Mixer. Bolte Mfg. Co., Kearney, Neb.
Handy Billy Marine, Ship and Deck Pumps. F. E. Myers & Bros., Ashland, O.
Handy Boiler Flue Plugs. Elisha Webb & Son, Philadelphia, Pa.
Handy Broom Holders. Reading Saddle & Mfg. Co., Reading, Pa.
Handy Brushes. Standard Brush Co., New Hartford, Conn.
Han-Dy-Can Hospital and Dental Furniture and Ash Cans. Phoenix Metal Stamping Co., Philadelphia.
Handy Can Openers, Kraut Cutters, Tack Claws and Pullers. Handy Things Mfg. Co., Ludington, Mich.
Handy Carboy Carriers. Lansing Co., Lansing, Mich.
Handy Card Cutting Machine. L. F. Grammes & Sons, Inc., Allentown, Pa.
Handy Cleaner Brush. Worcester Brush & Scraper Co., Worcester, Mass.
Handy Clothes Washing Machines. Glascock Bros. Mfg. Co., Muncie, Ind.
Handy Commutator Slotting Files. The Martindale Electric Co., Cleveland, O.
Handy Commutator Stones. Martindale Electric Co., Cleveland.
Handy Concrete Mixers. Bolte Mfg. Co., Kearney, Neb.
Handy Corn Hooks. Wallingford Mfg. Co., Wallingford, Vt.
Handy Dandy Fence Stays. Sterling Machine & Wire Works, Sterling, Ill.
Handy Dry Heat Rubber Vulcanizers. R. H. Smith Mfg. Co., Springfield, Mass.
Handy Expense Books. Garrett & Massie, Inc., Richmond, Va.
Handy Farm Trucks. King & Hamilton Co., Ottawa, Ill.
Handy Feed Cutters. Hamburg Plow Works, Hamburg, Pa.
Handy Fence Stretchers. Denning Fence Works, Cedar Rapids, Ia.
Handy Fruit Can Racks. Kerr Wire Products Co., Chicago.
Handy Garden Tool. The Matheson Company, New York.
Handy Gate Valves. The Lunkenheimer Co., Cincinnati, O.
Handy Gauges. Caldwell Mfg. Co., Rochester, N. Y.
Handy Glass Cutters. Fletcher, Terry Co., Forrestville, Conn.
Handy Glass Push Pins. Stenton Supply Co., Philadelphia, Pa
Handy Hand Card Cutting Machines. L. F. Grammes & Sons, Allentown, Pa.
Handy Hand Punches. Danzer Metal Works, Hagerstown, Md.
Handy Hose Reels. Specialty Mfg. Co., St. Paul.
Handy Incandescent Lamp Cleaners and Lamp Replacers. Frank W. Morse, Boston.
Handy Lawn Sprinklers. L. R. Nelson, Peoria, Ill.
Handy Mangles. American Laundry Machy. Co., Cincinnati.
Handy Paint and White Wash Spraying Machines. F. E. Myers & Bro., Ashland, O.
Handy Paper Dishes. Star Paper Dish Co., Richmond, Va.
Handy Pipe Vises. Dikeman Mfg. Co., Norwalk, Conn.
Handy Post Drills. Illinois Iron & Bolt Co., Carpentersville, Ill.
Handy Pumping Jacks. Fairbanks, Morse & Co., Chicago.
Handy Pumps. Goulds Mfg. Co., Seneca Falls, N. Y.
Handy Quick-Operating Valve. Lunkenheimer Co., Cincinnati.
Handy Revolving Clamp Carrier. Handy Mfg. Co., Chicago.
Handy Riveting Machines. A. C. Williams Co., Ravenna, O.
Handy Roll Adhesive Paper Tape. Adhesive Paper Products Co., San Francisco.
Handy Roll Toilet Paper Holders. S. J. Bens Mfg. Corp., Herkimer, N.Y.
Handy Rope Cleats. Parker Wire Goods Co., Worcester, Mass.
Handy Rubber Cement. W. H. Salisbury & Co., Inc., Chicago.
Handy Rug Beaters. Holt-Lyon Co., Saugerties, N. Y.
Handy Sack Baler. Handy Sack Baler Co., Cedar Rapids, Ia. F. G. White, Cedar Rapids, Ia.
Handy Saw Sets. Kilborn & Bishop Co., New Haven, Conn.
Handy Screen Door Pulls. Hunt, Helm Ferris & Co., Harvard, Ill.
Handy Screw Drivers. Cassady Fairbank Mfg. Co., Chicago; Turner & Deegan, Bristol, Conn.
Handy Sewing Machine Oilers. Bridgeport Brass Co., Bridgeport, Conn.
Handy Shoveling Boards. Hayes Pump & Planter Co., Galva, Ill.

Handy Soldering Sets. W. L. Barrett, Bristol, Conn.
Handy Spray Pumps. The F. E. Myers & Bro., Ashland, O.
Handy Steel Derricks. Boss Pulling Machine Co., Van Buren, Ind.
Handy Step Ladders. R. W. Whitehurst Mfg. Corp., Norfolk, Va.
Handy Stock Fountains. Novelty Iron Works, Sterling, Ill.
Handy Stove Lid Lifters. I. C. Imboden Mfg. Co., Cleona, Pa.
Handy Telescope Cot Bed. Telescope Cot Bed Co., New York.
Handy Tin Oil Pumps. R. E. Chapin Mfg. Works, Batavia, N. Y.
Handy Tire Bolter Wrenches. W. F. Custer & Son, Summitville, Ind.
Handy Vises. Prentiss Vise Co., New York.
Handy Wire Brushes. Pilley Packing & Flue Brush Mfg. Co., St. Louis, Mo.
Handy Wooden Kegs. Union Cooperage Co., St. Louis, Mo.
Handyvar (Insulating Varnish). The Martindale Electric Co., Cleveland, O.
Hang-Up Wall Hooks. Hampden Mfg. Co., New York.
Haniel & Lueg Hydraulic Presses. Mesta Machine Co., Pittsburgh.
Hanke Stairway Fire Escapes. Hanke Iron & Wire Works, Chicago.
Hanlon Locomotive Sanders. Hanlon Locomotive Sander Co., Winchester, Mass.
Hanna Air Hoists, Mold Dryers, Riverters, Sand Sifting Machines, Suction Oilers. Hanna Engineering Works, Chicago.
Hanna Ball Joint Pipe Hangers. The Penn Engineering Co., Philadelphia, Pa.
Hanna Locomotive Stoker. The Hanna Stoker Co., (Madisonville) Cincinnati, O.
Hanna Pipe Hangers. Penn Engng. Co., Philadelphia.
Hanna Pneumatic Yoke Riveters. Hanna Engineering Works, Chicago.
Hanna Sand Mixing Machines, Foundry Riddles, Pneumatic Tools and Radial Reamers. Hanna Engineering Works, Chicago.
Hanna Tire Air Pumps. Troy Auto Specialty Co., Troy, N. Y.
Hannibal Gasoline Lighting Systems. Hannibal Gas Machine & Mfg. Co., Hannibal, Mo.
Hannon Metal Corner Beads. Union Metal Corner Co., Boston, Mass.
Hannon Plasterers' Steel Beads. Union Metal Corner Co., Boston.
Hano Loose Leaf Specialties. Hano Co., Philip, New York.
Hansa Linoleum. C. H. Weber, New York.
Hansen & Haynes Rotary Dumps. Link-Belt Co., Chicago.
Hansen Automatic Air Valves. Hansen Mfg. Co., Cleveland, O.
Hansen's Danish Butter Colors. D. H. Burrell & Co., Little Falls, N. Y.
Hanson Combination Pipe Vises. Stowell Co., S. Milwaukee.
Hanson Lock Deck Plates. Wilcox, Crittenden & Co., Middletown, Conn.
Hanson Motor Cars. Hanson Motor Co., Atlanta, Ga.
Hanson Reinforcing Bar Benders. A. P. Hansen & Son, Chicago.
Hanson Vises. Stowell Co., So. Milwaukee, Wis.
Hanson-Whitney Zig-Zag Oil Grooving Attachment. The Hanson-Whitney Machine Co., Hartford, Conn.
Hanson's Steel Wool and Shavings. F. C. Hanson, Southbridge, Mass.
Hapgrade Overalls & Shirts. Happ Bros. Co., Macon, Ga.
Happidog Muzzlers. Walter B. Stevens & Son, New York.
Happy Day Washing Machines. National Sewing Machine Co., Belvidere, Ill.
Happy Thought Stoves. Pittston Stove Co., Pittston, Pa.
Harbronz Bearing Bronze Bushings and Bars. Arthur Harris & Co., Chicago.
Harco Carbon Brushes. Hart & Co., Fostoria, O.
Harco Eyeglasses, Lenses Goggles, etc. F. A. Hardy & Co., Chicago.
Har-da-lite Mill White Paints. Hardy Paint & Varnish Co., Toledo, O.
Hard Edge Hack Saw. Simmonds Saw and Steel Co., Fitchburg, Mass.
Hardenite Case Hardening Compound. The Rotax Mfg. Co., Newark, N. J.
Harder Kleen Kold Refrigerators. Harder Mfg. Co., Cobleskill, N. Y.
Harder Silos. Harder Mfg. Co., Cobleskill, N. Y.
Hardernell Wall Plaster. Plymouth Gypsum Co., Fort Dodge, Ia.
Hardie Gasoline Engines. Hardie Mfg. Co., Hudson, Mich.
Hardie Sprayers. Hardie Mfg. Co., Hudson, Mich.
Hardinge Conical Mill. Hardinge Company, New York.
Hardinge Stone Pulverizers. Hardinge Co., New York.
Hardings Comb Circles and Fallers. Leigh & Butler, Boston.
Hardison Pipe and Casting Tongs. Cal. Well Tool & Machine Works, Los Angeles.
Hardsocg Pneumatic Rock Drills. Hardsocg Wonder Drill Co., Ottumwa, Ia.
Hardtem Forged Die Blocks. Heppenstall Forge & Knife Co., Pittsburgh.
Hardtem Die Blocks and Piston Rods. Heppenstall Forge & Knife Co., Pittsburgh. Pa. Heppenstall Forge Co., Bridgeport, Conn.
Hardwear Rubber Hose. Boston Belting Co., Boston.
Hardwood Automobile Lighting and Battery Switches. Frank W. Morse, Boston.
Hardy and Pinder Screen Plates. Wm. A. Hardy & Sons Co., Fitchburg, Mass.
Hardy Baking System. Hardy Paint & Varnish Co., Toledo, O.
Hardy Paints and Varnishes. Hardy Paint & Varnish Co., Toledo, O.
Hardy Radiator Fans. Hardy Mfg. Co., Pendleton, Ind.
Hardylastic Varnish. The Hardy Paint & Varnish Co., Toledo, O.
Harford Cooking Ranges. B. C. Bibb Stove Co., Baltimore, Md.
Hargrave Clamps, Saw Vises, Screw Drivers, Drills, Rod Cutters, Bench Stops. Cincinnati Tool Co., Norwood, Cincinnati, Ohio.
Hargraves Adjustable Countersinks, Clamps, Cutters, Electricians' Drills and Bits, Lineman's Pliers, Screw Drivers, Carpenters' Tools. Cincinnati Tool Co., Cincinnati, O.
Harjer Fly Traps. Reynolds Wire Co., Dixon, Ill.
Harlem Hose and Packing. U. S. Rubber Co., New York.
Harley Davidson Motorcycles. Harley Davidson Motor Co., Milwaukee, Wis.
Harley Sash Locks. U. S. Mercantile Co., Inc., Chicago.
Har Mac Rural Mail Boxes. Harper & McIntire Co., Ottumwa, Ia.
Harmer Boy Sulky Plows. J. I. Case Plow Wks., Racine, Wis.
Harmless Pin Tickets. Noesting Pin Ticket Co., Mt. Vernon, N. Y.
Harmon Diaphragm Screens. C. A. Harmon & Son, Watertown, N. Y.
Harmon Lumber Trimmers. Diamond Iron Works, Minneapolis.
Harmon Vest Pocket Calculator. Erie Calculator Co., Erie, Pa.
Harmony Electric Washing Machine. Clark, Cadle, Harmon Corp., Rochester, N. Y.
Harold Hot Air Furnaces. Harold Furnace & Mfg. Co., Spokane, Wash.
Haroma Hard Rock Maple Broom Handles. Northern Wood Products Co., Dept. H., Glidden, Wis.
Harper Fly Traps. Wickwire Spencer Steel Corp., Worcester, Mass.
Harper Handy Caster Trucks. Chicago Hardware Foundry Co., No. Chicago.
Harper Mercantile Packing. Harper Mfg. Co., Chester, Pa.; Crouse-Hinds Co., Syracuse, N. Y.
Harper Metallic Packing. Harper Mfg. Co., Chester, Pa.
Harper Sad Irons. Chicago Hardware Foundry Co., N. Chicago, Ill.
Harper Savings Bank. Sager Lock Co., North Chicago, Ill.
Harpoon Guy Anchors. Crouse-Hinds Co., Syracuse, N. Y.
Harrimac Fish Landing Nets and Gaff Hooks. General Phonograph Corp., New York.
Harrington Coffee Percolators. O. W. Burritt & Bro., Weedsport, N. Y.
Harrington Lathes, Multiple Spindle Drills, Hoists. The Harrington Co., Philadelphia, Pa.
Harrington Stoker. Jas. A. Brady Fdry. Co., Chicago; The United Machine & Mfg. Co., Canton, O.
Harrington Traveling Grate Stokers. United Machine & Mfg. Co., Canton, O.
Harris Balance Valves. Arthur Harris & Co., Chicago.
Harris Coil Heaters. Arthur Harris & Co., Chicago.
Harris Combined Harvester. Harris Mfg. Co., Stockton, Calif.
Harris Grapple Forks. Milwaukee Hay Tool Co., Milwaukee, Wis.; J. E. Porter Co., Ottawa, Ill.
Harris Harpoon Forks. F. E. Myers & Bro. Ashland, Ohio.
Harris Hay Forks. G. A. Swineford Co., Canton, Ohio.
Harris Incandescent Gas Mantles. Harris Wood Fibre Mantle Co., Cleveland.
Harris Incinerators, Generators. J. B. Harris, Nashville, Tenn.
Harris Lubricating Oils and Greases. A. W. Harris Oil Co., Providence, R. I.
Harris Mag-Timer for Ford Cars. K. A. Davis Mfg. Co., Oakland, Calif.
Harris Marine Engines. Harris Marine Eng. Wks., Wilmington, Del.
Harris Mine Car Hitchings. Pittsburgh Knife & Forge Co., Pitts., Pa.
Harris Offset Presses. Harris Automatic Press Co., Cleveland.
Harris Oils and Greases. A. W. Harris Oil Co., Providence, R. I.
Harris Pumps. Harris-Brockman Mfg. Co., Inc., Greer, S. C.
Harris Sanitary Stalls and Stanchions. Harris Mfg. Co., Salem, O.
Harris Sash Operating Devices, Skylight Ventilating and Ventilating Apparatus. Payson Mfg. Co., Chicago.
Harris-Scouree Metal Polish. A. W. Harris Oil Co., Providence, R. I.
Harris Seamless Copper Balls. Arthur Harris & Co., Chicago.
Harris Self-Wringing Mops. Imperial Mfg. Co., Cambridge, Ohio.
Harris Thumb Nuts and Thumb Screws and Lathe Dogs. Samuel Harris & Co., Chicago.
Harris Welding Outfit. The Harris Calorific Co., Cleveland, O.
Harrisburg Engines. Harrisburg Foundry & Machine Works, Harrisburg, Pa.
Harrisburg Feed Water Heaters. Harrisburg Pipe & Pipe Bending Co., Harrisburg, Pa.
Harrisburg Piston Valve, Corliss Valve and Dual Clearance Engines. Harrisburg Fdry. & Mach. Wks., Harrisburg, Pa.
Harrisburg Star Boilers. Harrisburg Star Boiler Corp., New York.
Harris-Corliss Steam Engines. Franklin Mach. Co., Providence, R. I.
Harrison Auto Radiator. The Harrison Mfg. Co., Inc., Lockport, N. Y.
Harrison Corn and Cob Mills. Nordyke & Marmon Co., Indianapolis, Ind.
Harrison Drawing Tables. The H. Cole Co., Columbus, O.
Harrison M. I. P. Key Cutting Machines. Harrison & Co., New York.
Harrison's Varnish Remover. Harrisons, Inc., Philadelphia, Pa.
Harroun Automobile Bumpers. Turner Brass Works, Sycamore, Ill.
Harroun Motor Cars. Harroun Motors Corp., Detroit, Mich.
Harry's Cisterns, Culverts, Houses, Tanks, etc. Harry Bros. Co. of La., New Orleans, La.
Harry's Cyclone Cellars, Oil Storage Tanks and Portable Houses. Harry Bros. Co., New Orleans, La.
Hart Bell Engine Attachments. Utility Products Co., New York.
Hart Belt and Bucket Grain Weighers and Loaders. Hart Grain Weigher Co., Peoria, Ill.
Hart Clothes Washing Machines. Wallace B. Hart, New York.
Hart Convertible Ballast Freight and Gondola Cars. Rodger Ballast Car Co., Chicago.
Hart Convertible Cars, Car Door Mechanism, Etc. Rodger Ballast Car Co., Chicago.
Hart Cocks, Faucets and Valves. Hart Co., Inc., Williamsport, Pa.
Hart Counters. R. A. Hart, Battle Creek, Mich
Hart Dry Closets and Desk Sash Ratchets. Dayton Mfg. Co., Dayton, O.
Hart Electric Switches. Hart & Hegeman Mfg. Co., Hartford, Conn.
Hart Force Feed Lubricators. Sherwood Mfg. Co., Buffalo, N. Y.
Hart Force Light Feed Oil Pumps. Sherwood Mfg. Co., Buffalo, N. Y.
Hart Hollow Cap Screws. H. C. Hart Mfg. Co., Unionville, Conn.
Hart Hose Nozzles. John Simmons Co., New York.
Hart Junior Grain Weighers and Loaders. Hart Grain Weigher Co., Peoria, Ill.
Hart Lubricators. Sherwood Mfg. Co., Buffalo, N. Y.
Hart New Model Self-Feeder. Hart Grain Weigher Co., Peoria, Ill.
Hart Oil Pumps. Sherwood Mfg. Co., Buffalo, N. Y.
Hart Packing. Hart Packing Co., Boston.
Hart Padlock Locks. U. S. Lock & Hardware Co., Columbia, Pa.
Hart Portable Grain Elevators, Loaders and Weighers. Hart Grain Weigher Co., Peoria, Ill.
Hart Printers' Rollers. Wm. C. Hart Co., Inc., New York.
Hart Sash Holders. Hart Sash Holder Co., Lexington, Mo.
Hart Smut Treaters. New Liberty Washing Machine Co., St. Paul, Minn.
Hart Snap Switches. Hart & Hegeman Mfg. Co., Hartford, Conn.
Hart Valves. Chandler Boyd Supply Co., Pittsburgh.
Hart Staggered Roller Bearings. The Hart Roller Bearing Co., Orange, N. J.
Hart Switches. Hart & Hegeman Mfg. Co., Hartford, Conn.
Hart's Water and Dry Closets, and Deck Sash Ratchets. Dayton Mfg. Co., Dayton, O.
Harterilite Lighting Fixtures. Harter Mfg. Co., Chicago.
Hartford Auto Jack. Edward V. Hartford, Inc., Jersey City, N. J.
Hartford Ball Cocks. Burlington Brass Works, Burlington, Wis.
Hartford Cooking Ranges. B. C. Bibb Stove Co., Baltimore, Md.
Hartford Cotton Duck. Turner, Halsey Co., New York.
Hartford Die and Bench Filing Machines. Robinson Tool Works, Inc., Waterbury, Conn.
Hartford Feed Water Heaters. Pratt & Cady Co., Inc., Hartford, Conn.
Hartford Fire Hose Reels and Racks. W. D. Allen Mfg. Co., Chicago
Hartford Incandescent Cutouts. Hart Mfg. Co., Hartford, Conn.
Hartford Lawn Sprinklers. W. D. Allen Mfg. Co., Chicago.
Hartford Marine Engines. Gray & Prior Machine Co., Hartford, Conn.
Hartford Portable Air Compressors. The Hartford Contractors Supply Co., Hartford, Conn.
Hartford Shock Absorber. Edw. V. Hartford, Inc., Jersey City, N. J.
Hartford Single Filling Duck. Mt. Vernon Woodberry Mills, Inc., Baltimore, Md.
Hartford Time Switches. Hartford Time Switch Co., New York.
Hartford Universal Joints, Cone Clutches. The Hartford Automobile Parts Co., Hartford, Conn.
Harthan Propeller. McFarland Foundry & Mach. Co., Trenton, N. J.
Hartley & Kenyon Surgical Instruments. Pederson Lubricator Co., New York.

Hartley Cars. Light Inspection Car Co., Hagerstown, Md.
Hartman Center Plates. Holden & White, Chicago. Republic Railway Equipment Co., Inc., Chicago. U. S. Metal & Mfg. Co., New York.
Hartman Electric Switches. Hartman Elect. Mfg. Co., Mansfield, O.
Hartman Iron Fences. Pettler Steel Mat & Mfg. Co., Beaver Falls, Pa.
Hartman Water Sterilizer, Electric Water Sterilizer & Ozone Co., Scottdale, Pa.
Hartness Automatic Dies, Gauges, Latches, Screw Machines, Etc. Jones & Lamson Mach. Co., Springfield, Vt.
Hartness Turret Lathes, Automatic Chucking Lathes, Screw Thread Comparator Machine. Jones & Lamson Mach. Co., Springfield, Vt.
Hartshorn's Shade Rollers. Hartshorn Stewart Co., East Newark, N. J.
Hartz Tackle Blocks. H. V. Hartz Co., Cleveland, O. H. D. Edwards & Co., Detroit, Mich.
Hartung Silent Call Signal System. Chas. F. Hartung Co., Los Angeles, Calif.
Hart-Parr Tractors. Hart-Parr Co., Charles City, Ia.
Hart's Trunk Hinges. Stanley Works, New Britain, Conn.
Hartwick Concrete Mixers. Hall-Holmes Mfg. Co., Jackson, Mich.
Hartwig Metallic Shades. P.-R. Mfg. Co., Detroit, Mich.
Harvard Barn Door Latches and Rails and Hay Carriers and Tank Heaters. Hunt, Helm, Ferris & Co., Harvard, Ill.
Harvard Casters. The Bassick Company, Bridgeport, Conn.
Harvard Engines. Harvard Marine & Auto Co., Cambridge, Mass.
Harvard Slings. Hunt-Helm-Ferris & Co., Harvard, Ill.
Harvard Storage Batteries. American Storage Battery Co., Boston, Mass.
Harvest Hot-Air Furnaces. Monitor Stove & Range Co., Cincinnati, O.
Harvest King Grindstones. Cleveland Stone Co., Cleveland.
Harvester Hose. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Harvey Carbon Removers. Harvey Chemical Co., Lafayette, Ind.
Harvey Equalizers. Harvey Spring & Forging Co., Racine, Wis.
Harvey Friction Draft Springs. Frost Ry. Sup. Co., Detroit, Mich.
Harvey Grip Track Bolts. K. C. Bolt & Nut Co., Kansas City, Mo.
Harvey Hand and Push Cars. Buda Co., Harvey, Ill.
Harvey Mine Shaft Safety Gate. The Osborn Mach. Co., Du Bois, Pa.
Harvey Springs. Harvey Spring Co., Racine Junction, Wis.
Harward Padlocks. E. T. Fraim Lock Co., Lancaster, Pa.
Harwood-Apperly Card Feeder. Geo. S. Harwood & Son, Boston, Mass.
Harwood Automobile Lighting and Battery Switches. Frank W. Morse, Boston.
Harwood-Bramwell Picker and Card Feeds. Geo. S. Harwood & Son, Boston, Mass.
Hascalls Linseed Oil Soaps, Linseed Oil. Tropical Oil Co., Cleve., O
Hasco Brand Blocks, Die, Cutting Boards, File Handles, Chisel Handles and Bare Knobs. H. A. Stiles & Co., Boston.
Hasco Wood Products. H. A. Stiles & Co., Boston, Mass.
Haskelite Headlinings, Ceilings, Panels, Plywood, Vaneer, Etc. Haskelite Mfg. Corp., Chicago.
Haskell Current Meters. E. S. Ritchie & Sons, Brookline, Mass.
Haskew Broom and Mop Handles. S. T. Haskew Co., Jackson, Tenn.
Haskins Flexible Shafts and Rasp Mfrs. R. G. Haskins, Chicago.
Haskins Foundry Chaplets. Hill & Griffith Co., Cincinnati, O.
Haskins Mill Gears. A. Garrison Foundry Co., Pittsburgh.
Haskyns Auto Top. Universal Motor Products Co., Indianapolis, Ind.
Hasler Speed Indicators. Consolidated Instrument Company of America, New York.
Haslup Barrows. Sidney Steel Scraper Co., Sidney, Ohio.
Haslup Drag Scrapers. Sidney Steel Scraper Co., Sidney, O.
Hassler Shock Absorber. Robert H. Hassler, Inc., Indianapolis, Ind.
Hastings Automobile Accessories for Fords. Hastings Mfg. Co., Hastings, Mich.
Hastings Step Ladders. Bent Rung Ladder & Mfg. Co., Indiana, Pa.
Hasty Hand Cleaner. Pacific Chemical Co., Los Angeles, Calif.
Hatch Metallic Packing. E. W. Hatch, Boston.
Hatch Oil Engines. Ingram-Hatch Motor Corp., New York.
Hatching Wonder Incubators and Brooders. Geo. Ertel Co., Quincy, Ill.
Hatfield Blade Sharpener. Hyfield Mfg. Co., New York.
Hatfield Door Hangers and Tracks. McKinney Mfg. Co., Pittsburgh.
Hatfield Frog and Crossing Fastenings and Rail Joints. Hatfield Rail Joint Mfg. Co., Macon, Ga.
Hatton Piston-Rotary Pump. The Lebanon Mach. Co., Lebanon, N. H.
Hauck Sulky Hay Rakes. Geo. S. Comstock & Son, Mechanicsburg, Pa.
Hauck Torches, Oil Burners, Furnaces, Forges, Furnace Burners, Concrete Heaters, Thawers. Hauck Manufacturing Co., Brooklyn, N. Y. Squire-Cosgwell Co., Chicago.
Haughton Elevators. The Haughton Elevator and Machine Co., To-Toledo, O.
Hausfeld Foundry Plant Equipment. Campbell-Hausfeld Co., Harrison, O.
Hausfeld Metal Melting Furnaces. Campbell-Hausfeld Co., Harrison, O.
Hauserman System Partitions, Shelving, and Skylights. E. F. Hauserman Co., Cleveland.
Havana Friction Clutch Pulleys; Gas and Gasoline Engines; Transmission Machinery. Havana Mfg. Co., Havana, Ill.
Havana Gas Engines. Havana Mfg. Co., Havana, Ill.
Havana Trucks, Wheels. Havana Metal Wheel Co., Havana, Ill.
Havard Coal Meters. O. D. Harvard Co., Allentown, Pa.
Havemeyer Concrete Reinforcing Bars and Inserts. Concrete Steel Co., New York.
Havemeyer Reinforcing Bars and Concrete Specialties. Concrete Steel Co., New York.
Haven's Linemen's Splicing Clamps. Columbus Handle & Tool Co., Columbus, Ind.; Smith & Hemenway Co., New York.
Haven's Linemen's Wire Grips. Mathias Klein & Sons, Chicago.
Haviland Decorative Enamel. Globe Varnish Co., Pittsburgh.
Havoline Automobile Oils. Indian Refining Co., New York.
Hawes Polishing Machines. C. L. Hawes, Ashtabula, O.
Hawk Alloy Striking Die Steel. Hawkridge Bros. Co., Boston.
Hawk Brand Steel. Hawkridge Bros. Co., Boston, Mass.
Hawk Header Die Tool Steel. Hawkridge Bros. Co., Boston.
Hawk Hickory Handles. Hartwell Handle Co., Harvey, Ill.
Hawk Oil Cups. The Lunkenheimer Co., Cincinnati, O.
Hawk Silverware, Striking Die Steel. Hawkridge Bros. Co., Boston.
Hawk Special Tool Steel. Hawkridge Bros., Boston.
Hawk-Vanadium Tool Steel. Hawkridge Brothers Co., Boston, Mass.
Hawkes Fire Box and Boilers. Hawkes Boiler Co., Chicago.
Hawkeye Baskets. Burlington Basket Co., Burlington, Ia.
Hawk-Eye Boiler Compound. Hawk-Eye Compound Co., Blue Island, Ill.
Hawkeye Cement. Hawkeye Portland Cement Co., Des Moines, Ia.
Hawkeye Grain Cleaning and Grading Machinery, Ratchet Wrenches and Self-feeders and Band Cutters for Threshers, Stock Fountains. Maytag Co., Newton, Ia.
Hawkeye Incandescent Lamp Sockets. Electric Supply Co., Sioux City, Ia.
Hawkeye Lawn Trimmers. Osmundson Spade Mfg. Co., Perry, Ia.
Hawkeye Pipe and Engineers' Wrenches. Hawkeye Wrench Co., Marshalltown, Ia.
Hawkeye Pipe Holders, Hydrants, Heaters, Pumps. Chandler Pump Co,. Cedar Rapids, Ia.
Hawkeye Refrigerator Baskets. Burlington Basket Co., Burlington, Iowa.
Hawkeye Stump Pullers. Milne Mfg. Co., Monmouth, Ill.
Hawkeye Wrenches. Hawkeye Wrench Co., Marshalltown, Ia.
Hawks High Power Gas Burners. Hugo Mfg. Co., Duluth, Minn.
Hawks Range Boiler Stands. Hugo Mfg. Co., Duluth, Minn.
Hawley Carpenters' Clamps. J. W. Paxson Co., Philadelphia.
Hawley-Schwartz Metal Melting Furnace. The Hawley Down Draft Furnace Co., Easton, Pa.
Hawthorn Generators, Motors, Fans, Arc Lamp Batteries, Bells, Gongs. Western Electric Co., New York.
Haxtun Steam and Hot Water Heaters. Kewanee Boiler Co., Kewanee, Ill.
Hay-Budden Vises. Hay-Budden Mfg. Co., Brooklyn, N. Y.
Hay Dee Automobile Fixtures. Hayes-Diefenderfer Co., Inc., New York.
Hay King Horse Presses. New Winona Mfg. Co., Winona, Minn.
Hayden Brass Wrenches. Belden Machine Co., New Haven, Conn.
Hayden Pipe Wrenches. Belden Machine Co., New Haven, Conn.
Hayden Polished Pipe Wrenches. Belden Machine Co., New Haven, Conn.
Hayden Stop and Wastes. Haydenville Co., Haydenville, Mass.
Haydenville Shower Bath Valves. Haydenville Co., Haydenville, Mass.
Hayes Auto Wheels. Hayes Wheel Co., Jackson, Mich.
Hayes Crown Fenders. Onguard Auto Necessities Co., Detroit, Mich.
Hayes Derails. Hayes Track Appliance Co., Richmond, Ind.
Hayes Draft Gauges. Paul Huyette & Co., Inc., Philadelphia, Pa.
Hayes Farm Implements. Hayes Pump and Planter Co., Galva, Ill.
Hayes Files. Hayes File Co., Detroit, Mich.
Hayes Locomotive Water Strainers. Handlan-Buck Mfg. Co., St. Louis.
Hayes Pumps, Corn Planters, Sprayers, Cultivators and Drinking Fountains. Hayes Pump & Planter Co., Galva, Ill.
Hayes Wheels. Hayes Motor Truck Wheel Co., St. Johns, Mich.
Hayes Wire Auto Wheels. Castle & Kyte, Detroit, Mich.
Haygood Dry Closets. Dixie Culvert & Metal Co., Atlanta, Ga.
Haymaker Unloaders. The F. E. Myers & Bro., Ashland, O.
Haynes Motor Cars. The Haynes Automobile Co., Kokomo, Ind.
Hays Automatic Gas Collector. Jos. W. Hays Corp., Michigan City, Ind.
Hays Dayton Hay Rakes. Ohio Rake Co., Dayton, O.
Hays Draft Recording Gauges. Paul B. Huyette Co., Philadelphia.
Hays Gas Analysis Apparatus. Jos. W. Hays Corp., Michigan City, Ind.
Hays Improved Gas Analyzer. Combustion Appliances Co., Chicago.
Hayton Centrifugal Pumps. Dayton-Dowd Co., Quincy, Ill.; Hayton Pump & Blower Co., Appleton, Wis.
Hayward Buckets. The Hayward Company, New York.
Hayward Life Saving Nets. S. F. Hayward & Co., New York.
Hayward Liquid Chemical Fire Extinguishers. S. F. Hayward & Co., Elmira, N. Y.
Hayward Service Governors. Connelly Iron Sponge & Governor Co.,
Hayward Tank Heaters. Butler Co., Butler, Ind.
Haywood Bucket. Haywood Co., New York.
Haywood Tire Repair Plants. Haywood Tire & Equipment Co., Indianapolis, Ind.
Hazard Kentucky Rifle Powder. E. I. du Pont de Nemours & Co., Inc., Explosives and Smokeless Powder Depts., Wilmington, Del.
Hazard Wires and Cables. Hazard Mfg. Co., Wilkes-Barre, Pa.,
Hazelton Pumps. Barrett, Haentjens & Co., Hazelton, Pa.
Hazen Harrows and Pulverizers. W. S. Hazen, Ripon, Wis.
Headlight Arc Light Carbons. National Carbon Co., Long Island City, N. Y.
Headlight Overalls. Larned Carter & Co., Detroit, Mich.
Headlight Rubber Packing. Manhattan Rubber Mfg. Co., Passaic, N. J.
Headson Pipe Tongs. Ross Gear & Tool Co., Lafayette, Ind.
Heald Magnetic Chucks, Grinding Machines. The Heald Machine Co., Worcester, Mass.
Heald's Gear Link Drive Chains. Union Malleable Iron Co., East Moline, Ill.
Heald's Saw Mill Chains. Union Malleable Iron Co., E. Moline, Ill.
Healthguard Dry Earth Closets. Dixie Culvert & Metal Co., Atlanta,
Hearld Hand Cart. The Lansing Co., Lansing, Mich.
Heart Beat Rock Drill Lubricators. Ingersoll-Rand Co., New York.
Heart Leather Belting. Graton & Knight Mfg. Co., Worcester, Mass.
Heart of Oak Leather Belting. Chas. L. Ireson Co., Boston, Mass.; The Toledo Belting Co., Toledo, O.
Heart Star Waffle Pans. Griswold Mfg. Co., Erie, Pa.
Heartley Hold Fast Ground Mole Traps. Heartley Machine Variety Iron & Tool Works, Toledo, Ohio.
Hearwel Acoustic Treatment. Rubberstone Flooring Corp., New York.
Heater Magnesia Cement. Keasbey & Mattison Co., Ambler, Pa.
Heath Architectural Bronze. J. S. Heath, Chicago.
Heath Carriage Hubs. Shortsville Wheel Co., Shortsville, N. Y.
Heath Hollow Fireproof Tile. American Fire Brick Co., Spokane, Wash.
Heather Brand Scotch Gauge Glasses. Advance Packing & Supply Co., Chicago.
Heather Oil and Grease Cups. Wm. Powell Co., Cincinnati, Ohio.
Heat-Ometer Radiator Caps. Helen Jedell, Newark, N. J.
Heaton Button Fasteners. Heaton Peninsular Button Fastener Co., Boston.
Heaton Latch Needles. Continental Latch Needle Co., New York.
Heatovent (The Silent Unit Heater). Buckeye Blower Co., Columbus, O.
Heavy A. Wedge Top Shoe Lasts and Stands. Fate-Root-Heath Co., Plymouth, Ohio.
Heavy Bag Trucks. The Lansing Company, Lansing, Mich.
Heavy Chipping Vises. Prentiss Vise Co., New York
Heavy Duty Bench Drilling Machines. Chas. Stecher Co., Chicago.
Heavy Duty Gas and Gasoline Engine. Wright Machine Co., Owensboro, Ky.
Heavy Duty Gas Burners. Wilson & Daum Co., Pittsburgh, Pa.
Heavy Mixing Oil Qlt. James B. Sipe & Co., Bridgeville, Pa.
Heavy Pacemaker Belting. Cincinnati Rubber Mfg. Cincinnati, O.
Heb Steel. Howard E. Bushnell, New York.
Hebern Code Machines. Hebern Electric Code, Inc., Oakland, Cal.
Hebert Piston Rings. Hebert Mfg. Co., Franklin, N. H.
Heckler Pipe and Pipeless Furnaces. Heckler Bros., Pittsburgh.
Hecla Lavatories and Fittings. James Barrett Mfg. Co., Boston.
Hecla Oil Pump Lubricators. J. E. Lonergan Co., Philadelphia.

Hecla Packing. General Asbestos & Rubber Co., Charleston, S. C.
Heclabronze Packing Mfrs. General Asbestos & Rubber Co., Charleston, S. C.
Heco Ignition and Generating Apparatus. Heinze Electric Co., Lowell, Mass.
Heco Spark Plugs. Heinze Electric Co., Lowell, Mass.
Hector Force Pumps. Crestline Mfg. Co., Crestline, O.
Hector Long Fulcrum Pumps. W. & B. Douglas, Middletown, Conn.
Hector Pig Iron. Clinton Iron & Steel Co., Pittsburgh.
Hector Rubber Hose. Republic Rubber Co., Youngstown, O.
Heebner's Union Fodder Cutters. Heebner & Sons, Lansdale, Pa.
Heer Gasoline Traction Engines. Heer Engine Co., Portsmouth, O.
Heeren Badges. International Register Co., Chicago.
Heesen Farm Boilers. Heesen Bros. Co., Tecumseh, Mich.
Heet Treated Cap Screws. Muncie Cap & Set Screw Co., Muncie, Ind.
Heft Oil and Gasoline Pumps. A. C. Kraft, Chicago.
Heichstadter's Boiler Compounds. G. W. Gallaway, New York.
Heider Tractors. Rock Island Plow Co., Rock Island, Ill.
Heil Foot-Ampere Meter. Coleman Lamp Co., Wichita, Kans.
Heil Truck Bodies. Heil Co., Milwaukee, Wis.
Heiland Plumbing Specialties. Garrison Brass & Machine Works, New York.
Heim Hot Water Equalizer. H. E. Heim, Portland, Ore.
Heim Street Sprinkling Valves. B. Hoffman Mfg. Co., Milwaukee.
Heim System Circulation for Hot Water Heaters. H. E. Heim, Portland, Ore.
Heine Boilers. Heine Safety Boiler Co., St. Louis, Mo.
Heine Marine Boilers and Superheaters. Heine Safety Boiler Co. Marine Dept., New York.
Heine Water Tube Expanders. Gustav Wiedeke & Co., Dayton, O.
Heins Pumps. Daniel Heins, Carrollton, Me.
Heintz Cleaning Pad Pot Cleaners. Heintz Laboratories, San Francisco.
Heintz Steam Traps. Wm. S. Haines & Co., Philadelphia.
Heinze Spark Plugs. Heinze Electric Co., Lowell, Mass.
Heinz-Skinner Acid Fans. Stearns-Roger Mfg. Co., Denver, Colo.
Heisler Logging Locomotives. Heisler Locomotive Works, Erie, Pa.
Heizmann Night Latches. Penn Hardware Co., Reading, Pa.
Helderberg Cement. Helderberg Cement Co., Albany, N. Y.
Helen Blast Furnaces. Red River Co., Clarksville, Tenn.
Hele-Shaw Automobile Friction Clutches. Merchant & Evans Co., Inc., Philadelphia.
Hele-Shaw Pumps. American Engineering Co., Philadelphia.
Helical Bed Springs. Wickwire Spencer Steel Corp., New York.
Helical Tubes. Rome-Turney Radiator Co., Rome, N. Y.
Helicoid Screw Conveyors. Link-Belt Company, Chicago, Indianapolis, Philadelphia; H. W. Caldwell & Son Co., Chicago.
Helicoid Elevating and Conveying Machinery. Weller Mfg. Co., Chicago.
Helicoil Heating Units. General Electric Co., Schenectady, N. Y.
Helicord Packing. General Asbestos & Rubber Co., Charleston, S. C.
Helimoi Packing. Crandall Packing Co., Dept. H, Palmyra, N. Y.
Helois Sheet Packing. Crandall Packing Co., Palmyra, N. Y.
Heller Cutters, Mills, Pumps and Shellers. Heller Aller & Co., Napoleon, O.
Heller's Alloy Tool Steel. Heller Bros. Co., Newark, N. J.
Hello Dry Batteries. Stackpole Carbon Co., St. Mary's, Pa.
Helm Brick and Block Presses, Concrete Mixers. Helm Brick Machine Co., Cadillac, Mich.
Helm Stock Fountains. S. D. Helm Mfg. Co., Crawfordsville, Ind.
Helmet Babbitt Metal Journal Bearings, Abrasive Discs, Oil and Grease Cup Lubricators, Pipe Taps and Drills. Chas. H. Besly & Co., Chicago.
Helmet Belting and Rubber Hose. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Helmet Cement. Chas. H. Besly & Co., Chicago.
Helmet Polishes. American Metal Polish Co., West Somerville, Mass.
Helmick Car Wheels. Helmick Foundry Mach. Co., Fairmont, W. Va
Heln Brick and Block Machines. Hein Brick Machine Co., Cadillac, Mich.
Heln Dry Batteries. Henry Wilhelm, Brooklyn, N. Y.
Helping Hand Vegetable Tongs. Hamblin & Russell Mfg. Co., Worcester, Mass.
Helpmate Milk Bottle Caps. Spahr Mfg. Co., Philadelphia.
Helva-Hard-Hitter Power Hammer. Novelty Iron Works, Dubuque, Ia.
Helvetia Leather. G. Groezinger's Sons, Lancaster, Pa.
Helwig Pneumatic Tools and Labor Saving Devices. Helwig Mfg. Co., St. Paul, Minn.
Helwig Pneumatic Staybolt Clippers, Cutters and Nippers (Portable); Reversible Close Quarter Air Drills; Pneumatic Hammers; Pneumatic Grinders (Portable); Pneumatic Shears (Portable); Air Hammer and Plug Drills; Pneumatic Bolt Clippers and Cutters; Piston Air Drills (Reversible); **Flue Expanders;** Automatic Indicators; Wire Cutters and Nippers; Button Presses and Punches; Bolt and Rivet Clippers (Angle Jaw); Punches (Hand or Lever Power); Monkey Wrenches; and other labor-saving devices. Helwig Mfg. Co., St. Paul, Minn.
Hemafam Motor. S. H. Hoggson & Co., New York.
Hemco Twin-Lite Plugs. Geo. Richards & Co., Chicago.
Hemeke Canvas Stitched Belting. Mannheim Mfg. & Belting Co., Manheim, Pa.
Hemingray Glass Insulators. Hemingray Glass Co., Muncie, Ind.
Hemingray Standard Insulators. Hemingray Glass Co., Muncie, Ind.
Hemit Fireproof Insulation. Garfield Mfg. Co., Garfield, N. J.
Hemming Insulation. Hemming Mfg. Co., Garfield, N. J.
Hemming Log Wagons. Hemming Wagon Factory, Meridian, Miss.
Hemm's Hay Rack Fixtures. Wm. E. Pratt Mfg. Co., Chicago.
Hempel Gas Analysis Apparatus. Eimer & Amend, New York.
Hempel's Gas Analysis Apparatus. Emil Greiner Co., New York.
Hemphill Hair Belt. A. J. Hemphill Co., Inc., New York.
Hemphill Knitting Machines. Acme Knitting Machine & Needle Co., Franklin, N. H.
Hen Anti-Friction Babbitt Metal. U. Henning & Sons, Brooklyn, N. Y.
Henckels Twin Brand Cutlery. Graef & Schmidt, New York.
Henderers' Jacks. A. L. Henderers' Sons, Wilmington, Del.
Hendershot Compression Couplings. Valley Iron Works, Williamsport, Pa.
Henderson Car Signs. U. S. Electric Signal Co., West Newton, Mass.
Henderson E Z Conduit Benders; X L Conduit Benders; K-D Pipe Bench. Henderson Electric Co., Ampere, N. J.
Henderson Motorcycles. Excelsior Motor Mfg. & Supply Co., Chicago.
Henderson Roof Brackets. A. P. Henderson, Assinippi, Mass.
Henderson Rubber Tires. Henderson Tire & Rubber Co., Columbus, Ohio.
Henderson Steam Drying Barrels, Water Polishing Mills, Tumbler Grinding Machines. Henderson Bros. Co., Waterbury, Conn.
Hendey Shaper, Centering Machines, Milling Machines and Vises for Milling Machines, Shapers and Planers. Hendey Machine Co., Torrington, Conn.
Hendrick Screens and Perforated Metals. Hendrick Mfg. Co., Carbondale, Pa.
Hendryx Chains, Bird Cages and Wire Picture Cord. Andrew B. Hendryx Co., New Haven, Conn.
Hendryx Picture Wire Cord. A. B. Hendryx Co., New Haven, Conn.
Hengg Rail Anti-Creepers. The P. & M. Co., Chicago.
Henis Fruit Presses. Silver & Co., Brooklyn, N. Y.
Hennen's Calking Putty. Weatherproof Calking Co., Minneapolis.
Henney Commercial Bodies for Fords. Henney Buggy Branch of Moline Plow Co., Freeport, Ill.
Henney Spring Wagons. Moline Plow Co., Moline, Ill.
Hennings Steam and Hot Water Heaters. Columbia Heater Co., Paterson, N. J.
Henrici Extractors. Lovewell-Henrici Co., Chelsea, Mass.
Henrion Battery Carbons. Edw. E. Cary Co., New York.
Henry Automobile Jacks. Wolverine Specialty Mfg. Co., Battle Creek, Mich.
Henry Clay Pig Iron. Empire Steel & Iron Co., Catasauqua, Pa.
Henry Countersinks. J. B. Hunter & Co., Boston, Mass.
Henry Grease Cups. Henry Mfg. & Grease Cup Co., Terre Haute, Ind.
Henry Jacks. Wolverine Specialty Mfg. Co., Battle Creek, Mich.
Henry Mining Screens. Webb City & Cartersville Foundry & Mach. Works, Webb City, Mo.
Hensley Trolley Wheels. Hensley Trolley & Mfg. Co., Detroit, Mich.
Hen-vis Auto Accessories. Henvis Garrett J. Co., Philadelphia.
Henzel Fishing Hooks. J. G. Henzel.
Heraeus Electrical Resistance Thermometers. Charles Englehard, New York.
Heraeus Le Chatelier Pyrometers. Charles Englehard, New York.
Herbert Animal Pokes. The Lansing Company, Lansing, Mich.
Herbert Horse Pokes. Lansing Co., Lansing, Mich.
Herbert Steam and Hot Water Heaters. Herbert Boiler Co., Chicago.
Herbert Tubular Boilers. Herbert Boiler Co., Chicago.
Herbicide Weed Killer. Reade Mfg. Co., Hoboken, N. J.
Herbrand Wrenches of all kinds, Pliers, Hammers, Screw Drivers and Chisels. Herbrand Co., Fremont, O.
Herco Soil Fittings. Hercules Foundries, Inc., Los Angeles, Cal.
Herculean Signal Lamps. Dressel Railway Lamp Works, New York.
Hercules A. Blasting Powder, B. Blasting Powder, Blasting Machines, Blasting Supplies, Chemicals, Extra Ammonia Dynamite, Nitroglycerin Dynamite, E. E. P. Dynamite, Hercules Special No. 1 and Special No. 2, Red H. Permissible Explosives, Collier Permissible Explosives, F. Powders, No. 300 and No. 308 Smokeless Rifle Powder, E. C. Smokeless Shotgun Powder, Turpentine, Rosin, Pine Oil and Flotation Oil. Hercules Powder Co., Wilmington, Del.
Hercules Acetylene Generator. Hercules Mfg. Co., Chattanooga, Tenn.
Hercules Attrition Mills. Barnard & Leas Mfg. Co., Moline, Ill.
Hercules Auto Creepers, Coaster Wagons, Flexible Steel Belt Conveyors, Tool Racks, Steel Mats. La Porte Mat. & Mfg. Co., La Porte, Ind.
Hercules Auto Lock. Hercules Mfg. & Sales Co., San Francisco.
Hercules Automobile Tire Holders. Western Brass Mfg. Works, Chgo.
Hercules Babbitt Metal. Paul R. Brown Co., New York.
Hercules Barn Door Rails. F. E. Myers & Bro., Ashland, Ohio.
Hercules Bed Springs and Mortar Hods. Cleveland Wire Spring Co., Cleveland, Ohio.
Hercules Belt Dressings, Preservatives, Steel Belt Hooks, Wire Belt Lace. Hercules Belt Lace Co., Chicago.
Hercules Belt Lacing. Page Belting Co., Concord, N. H.
Hercules Belt Punches. Peck, Stow & Wilcox Co., Southington, Conn.
Hercules Belting. Page Belting Co., Concord, N. H.
Hercules Belting and Hose. Thermoid Rubber Co., Trenton, N. J.
Hercules Belting and Steam Hose. Hercules Rubber & Supply Co., San Francisco, Calif.
Hercules Belting, Gaskets, Hose, Rubber, Matting, Tubing, Valve, Gum. Quaker City Rubber Co., Philadelphia.
Hercules Black Blasting Powder, Blasting Supplies and Dynamite. Hercules Powder Co., Wilmington, Del.
Hercules Brake Beams. American Steel Foundries, Chicago.
Hercules Bran, Cement, Dry Paint, and Iron Oxide Packer. Barnard & Leas Manufacturing Co., Moline, Ill.
Hercules Broaching Presses, Gear Hobbing and Key Seating Machy. Hercules Machinery Co., Detroit, Mich.
Hercules Bumping Posts. Railway & Traction Supply Co., Chicago.
Hercules Can Openers. Bradley & Farnham, Middlefield, Conn.; Ellis Mfg. Co., Milldale, Conn.
Hercules Casters. O. P. Schriver & Co., Cincinnati, O.
Hercules Chain. Columbus McKinnon Chain Co., Columbus, Ohio.
Hercules Children's Vehicles. Kirk-Latty Mfg. Co., Cleveland, O.
Hercules Chilled Mine Car Wheels. Duncan Foundry & Machine Works, Alton, Ill.
Hercules Closet Seats. Becker Mfg. Co., Marietta, Ohio.
Hercules Coal Chutes. Artistic Iron Works, Spokane, Wash.
Hercules Commercial Automobile Bodies. Hercules Corp., Evansville, Ind.
Hercules Concrete Building Block Machinery. Hercules Mfg. Co., Centerville, Ia. The Willsea Works, Rochester, N. Y.
Hercules Contractors' Plows. Munnsville Plow Co., Munnsville, N. Y.
Hercules Copper Floats and Air Chambers. Hercules Float Works, Springfield, Mass.
Hercules Core Oil. The Buckeye Products Co., Cincinnati, O.
Hercules Corn and Cob Mills. Wolf & Co., Chambersburg, Pa.
Hercules Crane, Hoist and Cranes. Wm. S. Nichols, New York.
Hercules Cutters. L. F. Grammes & Sons, Inc., Allentown, Pa.
Hercules Door Hangers. Richards-Wilcox Mfg. Co., Aurora, Ill.
Hercules Dry Batteries. National Carbon Co., Long Island City, N. Y.
Hercules. End Cutting Nippers and Screw Drivers. Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
Hercules Engines for Trucks and Tractors. Hercules Motors Corp., Canton, O.
Hercules Engine Push Poles. Mummert Lumber & Tile Co., Chicago.
Hercules Extension Scaffold Ladders. Samuel Cupples Woodenware Co., St. Louis, Mo.
Hercules Fence Pliers. L. A. Sayre & Co., Newark, N. J.
Hercules Fence Posts. F. P. Smith Wire & Iron Wks., Chicago.
Hercules Fire Proof Columns. Pfaff & Kendall, Newark, N. J.
Hercules Flexible Steel Conveyor Belts. La Porte Mat & Mfg. Co., La Porte, Ind.
Hercules Friction Clutch Pulleys. Sandy Hill Iron & Brass Works, Newark, N. J.
Hercules Furnace and Stove Cements. Cambria Paint & Color Co., Ltd., Johnstown, Pa.
Hercules Fuse. Granite Railway Signal Co., Pittsburgh, Pa.
Hercules Gaskets, Hose and Packing, Belting. Quaker City Rubber Co., Philadelphia, Pa.
Hercules Gear Hobbers, Heavy Duty Lathes, Turret Screw Machines, Himoff Machine Co., Astoria, New York.

Hercules Grain Scoops. The Webster Mfg. Co., Chicago.
Hercules Grindstones. Cleveland Stone Co., Cleveland, O.
Hercules Hammers. Champion Blower and Forge Co., Lancaster, Pa.
Hercules Hay Carriers. Goshen Mfg. Co., Goshen, Ind.
Hercules Hay Presses. J. A. Spencer, Dwight, Ill.
Hercules Hinges. Champion Hdwe. Co., Geneva, Ohio.
Hercules High Speed Twist Drills and Reamers. The Whitman & Barnes Mfg. Co., Akron, O.
Hercules Horse Powers. Marseilles Works & Deere & Co., East Moline, Ill.
Hercules Insulating Paper. The Ruberoid Co., New York, Chicago and Boston.
Hercules Iron Bar and Rod Cutters, Wire Cutters, Bar and Plate Shears. W. B. & C. F. Tucker, Hartford, Conn.
Hercules Iron Chains. Jeffrey Mfg. Co., Columbus, O.
Hercules L. & R. Orange Extra Black Sporting Powder. Hercules Powder Co., Wilmington, Del.
Hercules L. F. Dynamite. Hercules Powder Co., Wilmington, Del.
Hercules Lubricators. The Lunkenheimer Co., Cincinnati, O.
Hercules Machine Tools. Hercules Machine Co., New York.
Hercules Metal Lined Caskets. Mound-Coffin Co., St. Louis.
Hercules Metal Punches. Charles Morrill, Inc., New York.
Hercules Miller Waterproof Mining Cap Protector. Hercules Powder Co., Wilmington, Del.
Hercules Motors. The Hercules Motor Mfg. Co., Canton, O.
Hercules No. 300 Rifle Powder. Hercules Powder Co., Wilmington, Del.
Hercules No. 308 Rifle Powder. Hercules Powder Co., Wilmington, Del.
Hercules Nuevo Steam Engines and Tubular Boilers. Mason, Marcus & Co., Inc., Boston, Mass.
Hercules Oil Well Casing. Union Tank & Pipe Co., Los Angeles.
Hercules Packing and Hose. Empire Tire & Rubber Corp., Trenton, N. J.
Hercules Paint Spraying Machines. Humphreys Mfg. Co., Mansfield, O.
Hercules Plows. Munnsville Plow Co., Munnsville, N. Y.
Hercules Post Hole Diggers. Seymour Mfg. Co., St. Louis, Mo.; F. E. Kohler Co., Canton, O.
Hercules Plumbers Force Cups. Canfield Rubber Co., Bridgeport, Conn.
Hercules Pressed Steel and Tubular Freight House Trucks. Adams Crerar & Co., Chicago.
Hercules Red Label Blasting Batteries. National Carbon Co., Long Island City, N. Y.
Hercules Rock Crushers. Joshua Hendy Iron Works, San Francisco.
Hercules Rod Cutters and Shears. W. G. & C. F. Tucker, Hartford, Conn.
Hercules Roving Cans. Jas. Hill Mfg. Co., Providence, R. I.
Hercules Rubber Hose. Crescent Belting & Packing Co., Trenton, N. J
Hercules Rule Cutter. J. F. Helmold & Bros., Centerville, Ia.
Hercules Sample Cases. Fibre Specialty Mfg. Co., Chicago.
Hercules Sheet Packing. Vulcon Asbestos Mfg. Co., New York.
Hercules Shoe Lasts and Stands. Fate-Root-Heath Co., Plymouth, O.
Hercules Solder. Freiden Mfg. Co., San Diego, Cal.
Hercules Soldering Furnaces. H. Waterman & Bro., New York.
Hercules Solid Weld Steam Chains. Columbus McKinnon Chain Co., Columbus, Ohio.
Hercules Spark-Plug. Eclipse Mfg. Co., Indianapolis, Ind.
Hercules Steam Distilled Wood Turpentine; Distilled Pine Oil; Distilled Flotation Oils. Hercules Powder Co., Wilmington, Del.
Hercules Steel Bars. W. E. Nagle & Son, Pittsburgh, Pa.
Hercules Steel Loading. Columbus McKinnon Chain Co., Columbus, O.
Hercules Steel Piles. Underpinning and Foundation Co., New York.
Hercules Steel Pulleys. The Medart Company, St. Louis, Mo.
Hercules Steel-Rule Cutter. J. F. Helmold & Bro., Inc., Chicago.
Hercules Steel Shipping Barrels. Metal Barrel Co., Galesburg, Ill.
Hercules Steel Trucks. Chicago Railway Signal & Supply Co., Chicago.
Hercules Step Ladders. Geo. S. Fox, Worcester, Mass.
Hercules Strain Insulators. The Electric Railway Equipment Co. Cincinnati, O.
Hercules Stronglite Fibre. The Union Paper & Twine Co., Cleveland, O.
Hercules Stump Puller. Hercules Mfg. Co., Centerville, Ia.
Hercules Tire Setters and Wheelbox Presses. Lourie, Philadelphia.
Hercules Truck Trailers and Bodies. Hercules Trailer Mfg. Co., Los Angeles.
Hercules Trucks. Illinois Iron & Bolt Co., Carpentersville, Ill.
Hercules Tug Hooks. North & Judd Mfg. Co., New Britain, Conn.
Hercules Turbine Water Wheels. Holyoke Mach. Co., Holyoke, Mass.
Hercules 2 in 1 Belt Dressing. Hercules Belt Lace Mfg. Co., Chicago.
Hercules Valves. Coast Supply Co., San Francisco.
Hercules Ventilators. Berger Bros. Co., Philadelphia, Pa.
Hercules Vises. Bonney Forge & Tool Works, Allentown, Pa.
Hercules Wall Fountains. The Murdock Mfg. & Supply Co., Cincinnati, O.
Hercules Wall Plaster. Grand Rapids Plaster Co., Grand Rapids, Mich.
Hercules Warehouse and Factory Trucks. Illinois Iron & Bolt Co. Carpentersville, Ill. Potts & Morris, Philadelphia, Pa.
Hercules Water Motors. Russell & Sons Co., Springfield, Mass.
Hercules Waterproofing Composition. Hercules Waterproof Cement Co., Buffalo, N. Y.
Hercules Wire Rope. A. Leschen & Sons Rope Co., St. Louis, Mo.; The Bailey-Libby Co., Charleston, S. C.
Hercules Wire Stapling Machinery. A. Allen & Co., Philadelphia.
Hercules Wood Rosin. Hercules Powder Co., Wilmington, Del.
Hergi Portable Electric Machinery and Flexible Shaft Tools. Hergi Mfg. Co., Bridgeport, Conn.
Herken Friction Clutch Pulleys. Minster Machine Co., Minster, O.
Her-K-Ules Grab Hooks. J. D. Street & Co., St. Louis, Mo.
Herlth Planers Parallels. O. B. Herlth Mfg. Co., Inc., Hartford, Conn.
Herman Foundry Molding Machinery. Herman Pneumatic Machine Co., Zelienople, Pa.
Hermance Hooper-Feed Moulders. Hermance Machine Co., Williamsport, Pa.
Hermansin Heat Treating Furnaces. Industrial Furn. Corp., Boston.
Hermastic Enamel. Wailes Dove-Hermiston Corp., New York.
Hermastic Paints. Wailes Dove-Hermiston Co., New York.
Hermetic Hot Air Furnaces. Lennox Furnace Co., Marshalltown, Ia.
Herm-I-Seal Roofing Paints. Federal Process Co., Cleveland.
Hermitage Green Paste and Liquid Paints. R. F. Johnston Paint Co., Cincinnati, O.
Hermitage Lavatories. Crane Co., Chicago.
Hermitage Ranges and Stoves. Gray & Dudley Hdwe. Co., Nashville, Tenn.
Hermo Sealing Fluid Oilproof for Oil, Paint, Varnish, Kerosene, Gasoline, Etc., Cans and Containers. Ams Max Mach. Co., New York.
Hero Air, Water, Steam and Suction Hose and Packing. Mulconroy Co., Inc., Philadelphia.
Hero Combination Pliers and Nippers, Gas Plier. Syracuse Twist Drill Co., Syracuse, N. Y.
Hero Corn Graders, Fanning Mills, Smut Cleaning Machines. Twin City Separator Co., Minneapolis, Minn.
Hero Corn Shellers. Mountville Mfg. Co., Mountville, Pa.
Hero Cotton Sheeting. B. B. & R. Knight, Inc., Providence, R. I.
Hero Door Hangers. Richards-Wilcox Mfg. Co., Aurora, Ill.
Hero Drag Sawing Machines and Feed Grinding Mills. Appleton Mfg. Co., Batavia, Ill.
Hero Fire Extinguishers. Bogue Lead Co., Denver, Colo.
Hero Furnaces and Heaters. Hero Furnace Co., Sycamore, Ill.
Hero Kerosene Lamp Burners. Edw. Miller & Co., Meriden, Conn.
Hero Lawn Sprinklers, Engine and Machine Oilers, Aluminum Drinking Cups. Hero Mfg. Co., Philadelphia.
Hero Leather Belting. W. S. Nott Co., Minneapolis, Minn.
Hero Rubber Belting and Hose. Mulconroy Co., Inc., Philadelphia, Pa.
Hero Rubber Hose. Empire Tire & Rubber Corp., Trenton, N. J.
Hereshoff Roasting Furnaces. General Chemical Co., New York.
Herreschoff Roasting Furnaces. Pacific Foundry Co., San Francisco.
Herreshoff Smelting Furnaces. Nichols Copper Co., New York.
Herrick Grate Bar. Geo. S. Herrick, Syracuse, N. Y.
Herrick Household Refrigerator. Herrick Refrig. Co., Waterloo, Ia.
Herriman Quick Acting Bench Vises. South Haven Fdry. & Machine Co., South Haven, Mich.
Herring, Hall Marvin Safes. Herring, Hall Marvin Safe Co., New York.
Herringbone Expanded Metal Lath. General Fireproofing Co., Youngstown, O.
Herringbone Galvanized Wall Ties. Merwin Mfg. Co., Erie, Pa.
Herrold Involute Inductance for Radio. Herrold Laboratories, San Jose, Cal.
Hersh Duplex Signal Electric Bells. S. R. Fralick & Co., Chicago.
Herschel Lawn Mowers and Nickel Grinders. R. Herschel Mfg. Co., Peoria, Ill.
Herschell Spillman Engines, Dynamometers, etc. Hershell-Spillman Co., North Tonawanda, N. Y.
Hersey Water Meters. Hersey Mfg. Co., Boston, Mass.
Hershler Faultless Ball Cocks. Schild Speciality Co., Cleveland.
Hertner Battery Chargers. Transportation Engineering Corp., New York.
Hervey Leather Belting. F. L. Hervey & Co., Fall River, Mass.
Herzog Feeders. Jackson & Church Co., Saginaw, Mich.
Hesco Stencil Paper. H. E. Smith Co., Newark, N. J.
Hesco Thermometers. Weinhagen & Hespe, New York.
Hescolite Lighting Fixtures. Haas Electric Sales Co., Cleveland.
Heshe Soap Liniment. Gartside's Iron Bust Soap Co., Philadelphia.
Hess-Bright Ball Bearings. Hess-Bright Mfg. Co., Philadelphia, Pa., supervised by S K F Industries, Inc., New York.
Hess-Bright Combined Radial and Thrust Bearings. Hess-Bright Mfg. Co., New York.
Hess Furnaces. Hess Warming & Ventilating Co., Chicago.
Hess Hot Air Welding and Pipeless Furnaces, Metallic Lockers. Hess Warming & Ventilating Co., Chicago.
Hess Iron Flumes. Hardesty Mfg. Co., Denver, Colo.
Hess Milling Machines and Cutters. Hess Machine Works, Phila., Pa.
Hess Water Closets. Chas. Hess Co., New York.
Hesse Moto Trailer. Hesse Mfg. Co., Leavenworth, Kans.
Hessler Rural Mail Boxes. H. E. Hessler Co., Syracuse, N. Y.
Hesterberg Valves. Queen City Brass & Iron Works, Cincinnati, O.
Hesterite Enamels. Denny, Hilborn & Rosenbach, Philadelphia, Pa.
Heston Blow-Off Valves. Kennedy-Stroh Corp., Pittsburgh.
Hettrick's Belting. Hettrick Mfg. Co., Toledo, O.
Hetzy Case Hardening and Tempering Compounds. Bennett Metal Treating Co., Elmwood, Conn.
Heughes Joist Hangers and Post Caps. F. L. Heughes & Co., Rochester, N. Y.
Hevea Rubber Belt, Hose and Packing. W. H. Salisbury & Co., Inc., Chicago.
Hevi-Duty Electric Furnaces. Electric Heating Apparatus Co., Newark, N. J.
Hewitt Babbitt, Special Hardened Babbitt and Special Anti-Friction. Magnus Co., Inc., Chicago.
Hewitt Bearing and Packing Ring Metal. Magnus Co., Inc., Chicago.
Hewitt Hose and Packing and Tires. Hewitt Rub. Co., Buffalo, N. Y.
Hewitt High Speed Conveyor Belting. Hewitt Rubber Co., Buffalo, N. Y.
Hewitt-Ludlow Motor Trucks. Hewitt-Ludlow Auto Ca., San Francisco.
Hewitt Magnus Heavy Weight Air Drill Hose. Hewitt Rubber Co., Buffalo, N. Y.
Hewitt Motor Fire Engines and Trucks. International Motor Co., New York.
Hewitt Special Journal Bearings. Magnus Co., Inc., Chicago.
Hewitt-Talbot Motor Trucks. Hewitt-Ludlow Auto Co., San Francisco.
Hex Adjustable Wrenches. Walworth Mfg. Co., Boston.
Hex Mesh Poultry Netting. G. F. Wright Steel & Wire Co., Worcester, Mass.
Hex Padlock Locks. U. S. Lock & Hardware Co., Columbia, Pa.
Hexagon Analytical Scales, Electric Heaters and Ovens. Schaar & Co., Chicago.
Hexagon Curtain Fixtures. Railway Curtain Co., Chicago.
Hexall Ratchet and Socket Wrenches. R. F. Sedgley, Inc., Philadelphia, Pa.
Hexall Wrenches. R. F. Sedgley, Philadelphia.
Hexo Acetylene Burners. American Lava Co., Chattanooga, Tenn.
Heywood-Wakefield Products (Baby and Doll Carriages, Coca Brush Door Mats, Coca Fibre Floor Matting, Office Chairs, Public Seating of all kinds, Rattan for Car Seats and Snow Sweepers, Reed and Fibre Furniture, School Desks and Furniture, Steam Electric and Motor Bus Seats, Theatre Chairs and Furniture). Heywood-Wakefield Company, Boston 9, Mass.
Heyworth-Newman Dredging Buckets. James O. Heyworth, Chicago.
Hi-Art Steel Ceilings. W. F. Norman Sheet Metal Mfg. Co., Nevada, Mo.
Hiawatha Guy Anchors. Hallett Iron Works, Harvey, Ill.
Hib-Spe-Bar Washing Machines, Tool Handles, Etc. Hibbard Spencer Bartlett & Co., Chicago.
Hibbs Assayer Furnaces. J. & H. Berge, New York.
Hi-Carbon Case Hardening Compounds. Bell & Gossett, Chicago.
Hicarb Refractories, Plastic and Paint. Betson Plastic Fire Brick Co., Rome, N. Y.
Hichrome Resistance Wire. Driver Harris Wire Co., Harrison, N. J.
Hick Rip Sawing Machines. Woods Engineering Co., Alliance, O.
Hickley's Hiko Commutator Dressing. Electrical & Mechanical Development Co., Ashbury Park, N. J.
Hickory Children's Vehicles. Martin & Heagy Mfg. Co., Elizabethtown, Pa.
Hickory Drills. Cliver-Wright-Rainey Co., Cincinnati, O.
Hickory Equalizers. Fort Smith Rim & Bow Co., Fort Smith, Ark.

Hickory Farm Wagons. Hackney Wagon Co., Wilson, N. C.
Hickory Flax Packing. Randolph Brandt, New York.
Hickory Hardware. Kelly How Thomson Co., Duluth, Minn.
Hickory Nut Carriage Wheels. Crane & MacMahon, New York.
Hickory Steel-Grip Gloves Mittens and Hand Pads. Industrial Gloves Corp., (Owners of Hickory Steel-Grip Glove Co.), Chicago.
Hicks Belt Fasteners. E. Jenckes Mfg. Co., Worcester, Mass.
Hi Comp Piston Rings. Continental Piston Ring Co., Memphis, Tenn
Hidalgo Rubber. Acushnet Process Co., New Bedford, Mass.
Hide Roll Feed Cutters. Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Hiflash Floor Dressing. Frederick Disinfectant Co., Atlanta, Ga.
Higas Vaporizers. F. A. B. Mfg. Co., Oakland, Cal.
Higbie Oats Cleaner. F. B. Smith Wire & Iron Works, Chicago.
Higgin All-Metal Window Ventilators. Higgin Mfg. Co., Newport, Ky.
Higgin Steel Anti-Rattlers. Bauer Bros. Mfg. Co., Cincinnati, O.
Higgins Auto Springs. Higgins Spring & Axle Co., Racine, Wis.
Higgins Flue Stops. **The Washburn Company, Andrews Division,** Rockford, Ill.
Higgins' Inks and Adhesives. Higgins Ink Co., Brooklyn, N. Y.
Higgins Picks. John C. Higgins, Chicago.
Higgins Quality Springs. Higgins Spring & Axle Co., Racine, Wis.
Higginson White Cements and Prepared Mortar. Higginson Mfg. Co., Newburgh, N. Y.
High Duty Magnetic Pulleys. Magnetic Mfg. Co., Milwaukee, Wis.
High Duty Punch Presses. Rockford Iron Works, Rockford, Ill.
High Duty Shapers. Gould & Eberhardt, Newark, N. J.
High Efficiency Gas Furnaces. C. B. Babcock Co., San Francisco.
High Grade Insulating Tape. Commercial Elect. Supply Co., St. Louis
High-Grade Motors. Eck Dynamo & Motor Co., Belleville, N. J.
High Grip Animal Traps. Triumph Trap Co., Inc., Oneida, N. Y.
High Lift Feed Carriers. Louden Machinery Co., Fairfield, Ia.
High Low Jack Screws. Millers Falls Co., Millers Falls, Mass.
High Noon Canned Goods. Leighton Co-op. Packers, San Francisco.
High Pressure Asbestos Packing. Revere Rubber Co., Boston, Mass
High Pressure Brazing Compound. National Rubber & Specialties Co., Cincinnati, O.
High Pressure Packing. A. W. Chesterton Co., Boston, Mass.; Pittsburgh Steam Packing Co., Pittsburgh, Pa.
High Service Valves. The Diamond Rubber Co., Inc., Akron, O.
High-Speed Babbitt Metal. Woodworkers Tool Works, Chicago.
High Speed Belting. Voorhees Rubber Mfg. Co., Jersey City, N. J.
High Speed Change Carriers. McGill Metal Products Co., Chicago.
High-Speed Drilling Machines. Daugherty-Smith-Phillips Co., Chicago
High-Speed Hammers. The High-Speed Hammer Co., Rochester, N. Y.
High-Speed Jacks. Lovejoy Tool Works, Chicago.
High Speed Lamp Globes. MacBeth-Evans Glass Co., Pittsburgh, Pa
High Speed Lawn Mowers. Dille & McGuire Co., Richmond, Ind.
High Speed Leather Belting. Bickford & Francis Belting Co., Buffalo, N. Y.
High-Speed Packings. High-Speed Metallic Packing Co., Chicago.
High Speed Rivet Spinning Machines. Chas. Stecher Co., Chicago.
High Speed Tube Expander. A. L. Henderer's & Sons, Wilmington, Del.
High Standard Liquid Paint. The Lowe Brothers Co., Dayton, O.
High-Tension Magneto. Heinze Electric Co., Lowell, Mass.
High Test Rubber Hose. Empire Tire & Rubber Corp., Trenton, N. J.
High Wheel Invincible Lawn Mower. Worcester Lawn Mower Co., Worcester, Mass.
Highland Cast Iron Pipe Coatings. Highland Chemical Products Co., Connellsville, Pa.
Highland Commercial Car Bodies. Highland Body Mfg. Co., Cincinnati, O.
Highland Insulating Soldering Paste and Stick. Highland Electro-Chemical Mfg. Co., Connellsville, Pa.
Highland Lawn Mowers. Worcester Lawn Mower Co., Worcester, Mass.
Highland Linen Tablets. Eaton, Crane & Pike Co., Pittsfield, Mass.
Highland Non-Corrosive Iron Coating, Soldering Paste, Salts. Highland Chemical Products Co., Connelsville, Pa.
Highland Stoves. North Dighton Stove Co., North Dighton, Mass.
Highland Tires. The Diamond Rubber Co., Inc., Akron, O.
Highley Metal Saws. Vandyck-Churchill Co., New York.
Hight Levels. A. W. Hight, Toledo, O.
Hightest Woven Fabric Covered Hose. Advance Hose Mfg. Co., Philadelphia, Pa.
Highton Hot Air Registers. Wm. Highton & Sons Co., Nashua, N. H.
Highway Red Paint. The Goheen Corp., Newark, N. J.
Higley Metal Saws. Higley Machine Co., South Norwalk, Conn.
Hi-Gloss Lemon Oil Furniture Polish. Max Kammerling, New York
Higrade Rubber Bottles. Tyer Rubber Co., Andover, Mass.
Higrade Silos and Refrigerators. Harder Mfg. Co., Cobleskill, N. Y
Higrade Steam and Hot Water Heaters. Thatcher Furn. Co., Chicago.
Hi Heat Gaskets and Packing. Revere Rubber Co., Boston, Mass.
Hiklas Fire Extinguishers, Tools. Writhlin-Mann Co., Cincinnati, O
Hilab Leather Pan Belts. Hide Leather & Belting Co., Indianapolis, Ind.
Hil Boring Tools, Cutting-Off Tools, Key Seating Tools, Milling Machine. Hill Standard Mfg. Co., Anderson, Ind.
Hilco Radio Apparatus. A. E. Hill Mfg. Co., Atlanta, Ga.
Hildebrandt Fishing Tackle. John J. Hildebrandt Co., Logansport, Ind.
Hildreth's Wood Splitter. Lewis R. Ripley, Harvard, Mass.
Hilger Spectroscopes. Eimer & Amend, New York.
Hi Lift Hydraulic Jacks. Excello Products Co., Los Angeles.
Hilke Lumber and Timber Pilers. Hilke Stacker Co., Middletown, N.Y
Hill Calf Weaners, Corn Huskers and Corn Husking Pins. Decatur Novelty Works, Decatur, Ill.
Hill-Canton Cabinet Hot Air Clothes Dryers. Hill Clothes Dryer Co., Worcester, Mass.
Hill Cinder Grinders. Eastern Machinery Co., New Haven, Conn.
Hill Clothes Dryers. Hill Clothes Dryer Co., Worcester, Mass.
Hill Collar Oiling Bearings. The Hill Clutch Machine & Foundry Co., Cleveland, O.
Hill Crank Turning Device. Hill-Standard Mfg. Co., Anderson, Ind.
Hill Diagonal Paper Cutting Machines. Rice, Barton & Fales, Inc., Worcester, Mass.
Hill for Drill Press Drilling Vises. Union Tool Co., Orange, Mass.
Hill High Speed Cutting Off Tools. Union Tool Co., Orange, Mass.
Hill Hog Ringers and Tongs. F. P. Smith & Co., Sharon Hill, Pa.
Hill Hog Rings. Wm. E. Pratt Mfg. Co., Chicago.
Hill I. X. X. X. Roving Cans. Jas. Hill Mfg. Co., Providence, R. I.
Hill Lathe Dogs. Ready Tool Co., Bridgeport, Conn.
Hill Multiple Drill. Thomas Spacing Machine Co., Pittsburgh, Pa.
Hill Pump Valve. Hill Pump Valve Co., Chicago.
Hill Pumps. Hodgart & Co., Chicago.
Hill Rings and Tongs. Wm. E. Pratt Mfg. Co., Chicago, Ill.
Hill Tire Air Pumps. Judd & Leland Mfg. Co., Clifton Springs, N. Y.
Hill Tool Holders. Union Tool Co., Orange, Mass.
Hilliard Friction Clutches. Hilliard Clutch & Mach. Co., Elmira, N. Y.
Hillman Automobile Wind Shields. Hillman Auto Supply Co., Boston.
Hillman Coal and Coke. Hillman Coal & Coke Co., Pittsburgh.
Hillman Locked Clevis, Turnbuckles. U. S. Metal & Mfg. Co., New-York.
Hillman Lock Turnbuckle and Clevis. Columbia Nut & Bolt Co., Bridgeport, Conn.
Hills Anvils. Millers Falls Co., New York.
Hill's Automatic Lock and Door Closer. T. J. Hill & Son, Oakland, Cal.
Hills Extension Ladders. Union Blind & Ladder Co., Oakland, Cal.
Hills Hog Ringers. Decker Mfg. Co., Keokuk, Ia.
Hills Log Turners. Phoenix Mfg. Co., Eau Claire, Wis.
Hills Pipe Threading Dies. Walworth Mfg. Co., Boston.
Hillsborough Calcined Plaster. J. B. King & Co., New York.
Hillside Paris Green. Interstate Chemical Co., Jersey City, N. J.
Hillside Washed Gravel Fluor Spar. Hillside Fluor Spar Mines, Chicago.
Hilo Acetylene Burners. American Lava Co., Chattanooga, Tenn.
Hi-Lo Automobile Horns. Premier Electric Co., Chicago.
Hi-Lo Automobile Jacks. Rowe Calk & Chain Co., Plantsville, Conn.
Hilo Carriage Top Dressing, Japans, Paint and Varnish Remover. Hilo Varnish Corp., Brooklyn, N. Y.
Hi-Lo Disc Harrows. Ohio Cultivator Co., Bellevue, O.
Hi Lo Electic Controls for Gas Furnaces and Heaters. Payne Furnace & Supply Co., Los Angeles, Cal.
Hi-Lo Garage Door Hangers and Track. Frantz Mfg. Co., Sterling, Ill.
Hi-Lo Jacks. Rowe Calk & Chain Co., Plantsville, Conn.
Hi-Lo Magneto Horn. Premier Electric Co., Chicago.
Hilo Paint Remover. Hilo Varnish Corp., Brooklyn, N. Y.
Hi-Lo Telephone Brackets. American Electric Co., Chicago.
Hi-Low Drafting Tables. F. O. Weydell, Chicago.
Hilts Adjustable Chain Wrenches. Hilts Wrench & Mfg. Co., Richford, N. Y.
Hilts Atlas Improved Chain Wrench. Appleton Car Mover Co., Appleton, Wis.
Hinchman Air Tube Cleaner. J. A. Hinchman & Co., Chicago.
Hindley Gears. Albro-Clem Elevator Co., Philadelphia, Pa.
Hindley Gears and Screw. Hindley Gear Co., Philadelphia.
Hindley Spiral Gears. Hindley Gear Co., Philadelphia, Pa.
Hindley Worm Gears. Boston Gear Works, Quincy, Mass.
Hindostan Oil and Water Stones. Scranton Whetstone & Abrasive Wheel Co., Scranton, Pa.
Hindview Auto Mirrors. Kales Stamping Co., Detroit, Mich.
Hines Eliminators, Extractors and Separators. James L. Robertson & Son, New York.
Hinge-Stay-On Door Hangers. G. A. Swineford Co., Canton, O.
Hinman Bar Benders. D. A. Hinman & Co., Sandwich, Ill.
Hinman Bench Shears. D. A. Hinman & Co., Sandwich, Ill.
Hinman Milking Machines. Hinman Milking Mach. Co., Oneida, N. Y.
Hinman Station Meters. D. McDonald & Co., Albany, N. Y.; Nathaniel Tufts, Meter Co., Boston.
Hinsdale Screw Drivers, Screw Driver Bits. C. E. Jennings & Co., New York.
Hinson Automobile Belts. C. & B. Hinson Co., Cincinnati, O.
Hinson Car Brakes, Car Couplers, Draft Gear, Emergency Steel Knuckles. National Car Coupler Co., Chicago.
Hinson Emergency Steel Knuckles. National Car Coupler Co., Attica, Ind.
Hipaco Press Board. C. B. Hewitt & Bros., Inc., New York.
Hipco Culvert Pipe, Bridges, Road Machinery and Traffic Signs. Highway Iron Products Co., Ligonier, Ind.
Hipco Dry Radio Batteries. Hipwell Mfg. Co., Pittsburgh.
Hipco Electric Lanterns. Hipwell Mfg. Co., Pittsburgh, Pa.
Hipcoscope Flashlights. Hipwell Mfg. Co., Pittsburgh, Pa.
Hi Po Dry Batteries. Lincoln Electric Co., Cleveland.
Hi-Power Compressed Air Lubricating Instrument. Automotive Lubricator Co., San Francisco.
Hi-Power Lamps. Photgenic Mach. Co., Youngstown, O.
Hipower Nut Locks. National Lock Washer Co., Newark, N. J.
Hippo Belting. J. Bachmann & Co., New York.
Hippo Belting, Belt Cements. Reed & Duecker, Memphis.
Hippo Oil to Remove and Prevent Rust. Am. Chemical & Mfg. Co., Cranford, N. J.
Hippo Rubber Belting, Rubber Hose and Oiled Clothing. Goodyear Rubber Co., San Francisco.
Hippo Waterproof Leather Belting, Belt Cement and Dressing. Reed & Duecker, Memphis, Tenn.
Hippo Waterproofing Products. American Chemical & Mfg. Co., Inc., Norfolk, Va.
Hiram Cultivators. Rockford Mfg. Co., Rockford, Ill.
Hirds Dome Fireplace Dampers. Adams Co., Dubuque, Ia.
Hired Man Gasoline Engines. Associated Mfrs. Co., Waterloo, Ia.
Hirsch Lamp. Pioneer Electric Mine Lamp Co., Philadelphia, Pa.
Hirsch Roofing Compound. Hirsch Roofing Compound Co., St. Louis.
Hirsh Root Cutters. Hirsh Bros., Milwaukee, Wis.
Hisey Ball Bearing Grinding and Buffer Machines, Electric Machine Tools. The Hisey-Wolf Machine Co., Cincinnati, O.
Hisey Electric Drills and Grinders. Hisey-Wolf Mach. Co., Cincinnati, O.
Hi-Spe-Bar Washing Machines, Tool Handles, Etc. Hibbard Spencer Bartlett Co., Chicago.
Hi-Speed Hot Water Heaters. Universal Heater Mfg. Co., St. Louis.
Hi-Speed Pumps. Goulds Mfg. Co., Seneca Falls, N. Y.
Hi-Speed Trailercar. Northway Trailercar Co., East Rochester, N. Y.
Hispire Hose. Quaker City Rubber Co., Philadelphia, Pa.
Hi-Steam Metallic Packing. Steel Mill Packing Co., Detroit, Mich.
Hist's Potato Diggers. Akron Cultivator Co., Akron, O.
Hitchcock Potato Diggers. Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Hitchings Cash Operating Apparatus. Hitchings & Co., Elizabeth, N. J.
Hitest Steam Packing. Pacific Coast Rubber Co., San Francisco.
Hi-Ten Brackets, Pole Extensions and Pole Fixtures. Hubbard & Co., Pittsburgh, Pa.
Hi-Tensit Molded Insulations. Boonton Rubber Mfg. Co., Boonton, N.J.
Hi-Test Rubber Gloves. The Wilson Rubber Co., Canton, O.
Hi-Tite Gaskets and High Pressure Valve Packing. Gould Packing Co., Cambridge, Mass.
Hitz Boiler Flue or Tube Scrapers. J. W. Paxson Co., Philadelphia, Pa.
Hi-Up Dry Batteries. Manhattan Electric Supply Co., New York.
Hi Vel Rifle Powder. Hercules Powder Co., Wilmington, Del.
Hivol Insulator Pins. Electrical Material Co., Chicago.
Hi-Voltage Rubber Gloves. Faultless Rubber Co., Ashland, O.
Hi-Yield Hog and Poultry House Equipment. American Steel Products Co., Macomb, Ill.
Hjorth Bent Nose Pliers. Hjorth Tool Corp., Jamestown, N. Y.
Hjorth Lathes. Hjorth Lathe & Tool Co., Boston, Mass.
Hoadley Snow Shovels. B. W. Aldrich & Co., Wallingford, Vt.

Hoag Dusters and Dust Cloths. Hoag Duster Co., Monticello, Ia.
Hoar Shovel Machy. Eureka Mechanical Shovel Co., Virginia, Minn.
Hoar Underground Shovel. The Hoar Shovel Co., Inc., Duluth, Minn.
Hobart Electric and Gasoline Coffee and Bone Mills. Hobart Mfg. Co., Troy, O.
Hobart Electric Dough Mixer. Hobart Mfg. Co., Troy, N. Y.
Hobbs Concrete Block Machine. The Hobbs Concrete Machinery Co., Detroit, Mich.
Hobbs Concrete Block Machine, Batch Mixer. Anchor Concrete Mchy. Co., Rock Rapids, Ia.
Hobbs Lock Washers. Hobbs Mfg. Co., Worcester, Mass.
Hobo Storage Batteries. Hoosier Storage Battery Co., Evansville, Ind.
Hockensmith-Hyatt Wheels. Hockensmith Wheel & Mine Car Co., Penn Station, Pa.
Hockey Ice Skates. Nestor Johnson, Chicago.
Hocking Valley Feed Cuters. Hocking Valley Mfg. Co., Lancaster, O.
Hoco Auto Mirrors. Hoeft & Co., Chicago.
Hodell Chains. Cleveland Galvanizing Wks. Co.; The Chain Products Co., Cleveland, O.
Hodgart Sheet Packing. Hodgart & Co., Chicago.
Hodges & Cravers Grain Headers. Acme Harvesting Machine Co., Peoria, Ill.
Hodges Electric Stucco Machine. The Goodrich Morris Co., Cincinnati, O.
Hodges Loose Pulley Oilers. McNab & Harlan Mfg. Co., Paterson, N. J.
Hodgman Carriage Robes. Hodgman Rubber Co., New York.
Hoe Circular Saws. R. Hoe & Co., New York.
Hoe Ironing Machine. Hoe Corp., Poughkeepsie, N. Y.
Hoefer Drilling Hack Saw, Pipe Cutting and Threading Machinery. Hoefer Mfg. Co., Freeport, Ill.
Hoerlein Bakers' Gas Stoves. F. G. Hoerlein, Brooklyn, N. Y.
Hoerners Adjustable Valve Seat Facer. Hoerner Mfg. Co., Los Angeles, Calif.
Hoerr Car Doors, Tandem Draft Gear. Western Railway Equipment Co., St. Louis, Mo.
Hoeschen Crossing Bells. Hoeschen Mfg. Co., Omaha, Neb.
Hoevel Sand Blast Machines. Hoevel Mfg. Corp., Jersey City, N. J.
Hoey Never-Spread Mattresses. John Hoey & Co., San Francisco.
Hoffite Asbestos Floorings. John D. Hoff Asbestos Co., Oakland, Cal.
Hoffite Plastic Asbestos. Hoff Magnesite Co., San Francisco, Calif.
Hoffman Back Pressure Valves, Ash Sifters and Steam Traps. B. Hoffman Mfg. Co., Milwaukee, Wis.
Hoffman Bath Tubs. Sanitas Mfg. Co., Boston,
Hoffman Cement. Lawrence Cement Co., New York.
Hoffman Clothes Pressing Machines. U. S. Hoffman Co., Syracuse, N. Y.
Hoffman Precision Roller Bearing. Norma-Hoffman Bearings Corp., Long Island City, N. Y.
Hoffman Radiator Air Valves and Steam Traps. Hoffman Spec. Co., Waterbury, Conn.
Hoffman Thermostat Valves and Automatic Heaters. Hoffman Heater Co., Lorain, O.
Hoffrie Asbestos Goods. John D. Hoff Asbestos Co., San Francisco, Cal.
Hoggson Time Stamps. S. H. Hoggson & Co., New York.
Hohenstein Tubular Boilers. Oil City Boiler Works, Inc., Oil City, Pa
Hohmann Thermometers. Chas. J. Tagliabue Mfg. Co., Brooklyn, N. Y
Hojoca Water Closets. Haines, Jones & Cadbury Co., Philadelphia.
Hoke Traction Engines. Hoke Tractor Co., South Bend, Ind.
Hoke Precision Size Blocks. Pratt & Whitney Co., Hartford, Conn.
Holanco Wash Benches. Holmquist & Co., Chicago.
Holbeck Pulverized Coal Systems. Bonnot Company, Canton, O.
Hol-Bol Seamless Hollow Balls (made in all standard metals for every industrial purpose). Hollow Ball Co., Baltimore, Md.
Holcomb Safety Wearing Apparel. Holcomb Safety Garment Co., Chicago.
Holdall Braces. Millers Falls Co., New York.
Hold-em Rat Traps. Worcester Wire Novelty Co., Baltimore, Md.
Holder Acetylene Generators. International Oxygen Co., New York.
Holdfast Animal Liquid Glue. Holdfast Glue Co., Boston, Mass.
Hold Fast Asbestos Cement. Geo. Callahan & Co., New York.
Holdfast Casement Adjusters. Casement Hardware Co., Chicago.
Holdfast Clothes Line Hooks. Tie Co., Unadilla, N. Y.
Hold Fast Clothes Pins. Demeritt Co., Waterbury, Vt.
Holdfast Cold Water Paste. The F. G. Findley Co., Milwaukee, Wis.
Holdfast Hame Fasteners and Harness Snaps. Covert Mfg. Co., Troy, N. Y.
Holdfast Lamp Guards and Lamp Changers. W. N. Matthews & Bro., St. Louis.
Holdfast Liquid Shellac. Buffalo Specialty Co., Buffalo, N. Y.
Holdfast Mouse and Rat Traps. Animal Trap Co. of America, Lititz, Pa.
Holdfast Paste. National Insulating & Mfg. Co., Indianapolis, Ind.
Hold-fast Rail Anchor. National Malleable Castings Co., Cleveland, O
Hold Fast Tag Hooks. John A. Roebling's Sons Co., Trenton, N. J.
Hold Fast Tap Wrenches. Millers Falls Co., Millers Falls, Mass.
Holdfast Tire Fluid. Buffalo Specialty Co., Buffalo, N. Y.
Holdfast Weatherstrip. Gardner Wire Co., Chicago.
Holdfast Window Casement Adjusters. Casement Hdwe. Co., Chgo.
Hold Heet Electric Combs, Hair Dryers, Curling Irons, Marcel Wavers, Toy Ovens, Hot Plates, Heating Pads, Glue and Solder Pots, Sad Irons, Grill Stoves, Toasters and Vibrators. Russell Electric Co., Chicago.
Holdol Metal Hose Couplings. C. A. Claflin Co., Boston, Mass.
Hold-Tight Iron Cement. J. S. Turner Mfg. Co., Lowell, Mass.
Hold Tight Iron and Steel Filler Cements. J. S. Turner Mfg. Co., Lowell, Mass.
Hold Tite Lock Nuts and Washers. Steel Specialties Co., Wakefield, Mass.
Holdtite Metallic Hose. Advance Hose Mfg. Co., Philadelphia, Pa.
Hold-Tite Radio Jack (Registered). Carter Radio Co., Chicago.
Hold-Wire Electric Wiring Moldings. Hitchner Wall Paper Co., Camden, N. J.
Holdzem Rat Catchers. West Disinfecting Co., New York.
Hole Hog Drillers and Cylinder Borers. Moline Tool Co., Moline, Ill.
Hole Shooter Portable Electric Drill. Petersen Mfg. Co., A. H., Milwaukee, Wis.
Hol-E-Terror Muffler Cutout Valves. E. R. Draver Mfg. Co., Richmond, Ind.
Holetite Piston Packing. Quaker City Rubber Co., Philadelphia, Pa.
Holfast Electric Car Sliding Door Curtains. Railway Curtain Co., Chicago.
Holico Automatic Wood Turners, Tinware, Wash Boilers, Wood Letters, Etc. Home Light Co. of America, New York.
Holiday Electric Dishwasher. Knox Motors Co., Springfield, Mass.
Holland Auto-Type Engines; Improved Window Chutes. Holland Engine Co., Inc., Holland, Mich.
Holland Draft Springs. D. F. Tanner, Holland, N. Y.
Holland Flexible Joints. Barco Mfg. Co., Chicago.
Holland Pipeless Furnaces. Holland Furnace Co., Holland, Mich.
Holland Sheet Cutters. Holland Trolley Supply Co., Cleveland.
Holland Splits Face Brick. Thomas Moulding Brick Co., Chicago.
Holland Trolley Bases, Harps, Wheels, Sander Valves and Traps. Holland Trolley Supply Co., Cleveland, O.
Hollands Vises. Hollands Mfg. Co., Erie, Pa.
Hollanite Paint. Phelan-Faust Mfg. Co., St. Louis, Mo.
Hollerith Electric Tabulating Machines. The Tabulating Machine Co., New York.
Holley Carburetors. Holley Carburetor Co., Detroit.
Hollier Motor Cars. Lewis Spring & Axle Co., Chelsea, Mich.
Hollingshead Lubricating Oils and Greases, Carriage Top Dressing, Patent Leather Enamels, Oil Soap. R. M. Hollingshead Co., Camden, N. J.
Hollo Weis Steel Window Frame. Henry Weis Cornice Co., Kansas City, Mo.
Hollow Cable Lightning Rods. Hollow Cable Mfg. Co., Hornell, N. Y.
Hollow Center Packing. Belmont Packing & Rubber Co., Philadelphia, Pa.
Hollow Steel Doors. The Solar Metal Products Co., Columbus, O.
Hollowspun Lighting Standards. Massey Concrete Products Corp., Chicago.
Holly Air Filters. Holly Pneumatic Systems, Inc., New York.
Holly Farm Wagons. Patterson Mfg. Co., Holly, Mich.
Holly Glass. Western Glass Co., Streator, Ill.
Hollywood Conveyor Belting and Packing. Hewitt Rubber Co., Buffalo, N. Y.
Hollywood Disc Phonograph Records. Harris Record Co., Inc., Los Angeles, Calif.
Holm Tapping Attachments. Whitney Mfg. Co., Hartford, Conn.
Holman Air Whistle. Wilcox, Crittenden & Co., Middletown, Conn.
Holman Pneumatic Rock Drills. Mine & Smelter Sup. Co., New York.
Holmes Auto Wrecking Truck. Robt. Holmes & Bro., Danville, Ill.
Holmes Bung Boring Machines. E. & B. Holmes Machinery Co., Buffalo, N. Y.
Holmes Commutator Brushes. Holmes Fibre Graphite Mfg. Co., Philadelphia, Pa.
Holmes Little Giant Tractors. Holmes Tractor Co., Port Clinton, O.
Holmes Milling Machine Vises. Holmes Mfg. Co., Shelton, Conn.
Holmes Mine Hoists. Robt. Holmes & Bros., Danville, Ill.
Holmes Motors. Holmes Motor Co., West Mystic, Conn.
Holmes Packings. Holmes Metallic Packing Co., Wilkes-Barre, Pa.
Holmes Sawing Machines, Planers. E. & B. Holmes Machinery Co., Buffalo, N. Y.
Holmes Tree Insulators. High Tension Elect. Spec. Co., Newton, Mass.
Holmes Wall Beds. Holmes Disappearing Bed Co., Los Angeles, Calif.
Holophane Glass Shades and Reflectors. Holophane Glass Co., New York.
Holoshade Standard Sockets. H. T. Paiste Co., Philadelphia.
Holroyd Dies, Stocks, Plates, Tops and Reamers, Wrenches. **Holroyd** & Co., Watertown, N. Y.
Holscrew Safety Set Collars. Bond Fdry. & Mach. Co., Manheim, Pa.
Holt Automatic Strainers and Pneumatic Boiler Tube Cleaners. Rosedale Foundry & Machine Co., Pittsburgh, Pa.
Holt Engine Starters. Holt Electric Co., Milwaukee, Wis.
Holt Farm Boilers. Holt Mfg. Co., Stockton, Calif.
Holt Pattern Saw Sets. L. A. Sayre & Co., Newark, N. J.
Holt Roof Connections. Barrett Co., New York.
Holt Saw Sets. G. L. Holt Co., Hartford, Conn.
Holt Suction Strainers and Boiler Tube Cleaners. Rosedale Foundry & Machine Co., Pittsburgh.
Holton Hood Fasteners. Holton Hood Clip Co., Detroit, Mich.
Holts' Egg Beaters; Cream Whips; Mayonnaise Mixers. Holt-Lyon Co., Saugerties, N. Y.
Holts Lightning Hay Knives. Dunn Edge Tool Co., Oakland, Me.
Holtum Radiator Caps. Holtum Mfg. Co., Freeport, Ill.
Holyoke Fire Hydrants. Norwood Engineering Co., Florence, Mass.
Holyoke Leather Belting. Holyoke Belting Co., Holyoke, Mass.
Holyoke Pen and Pencil Clips. L. D. Van Valkenburg Co., Holyoke, Mass.
Holyoke Steam Boilers. Walsh's Holyoke Steam Boiler Works, Holyoke, Mass.
Holyoke Turbines. J. & W. Jolly Inc., Holyoke, Mass.
Holyoke Water Heaters. Holyoke Heater Co., Holyoke, Mass.
Holzapfels "Logoline" Paints, Copper Paints, Petroleum Resisting Paint. Holzapfels American Compositions Co., New York.
Holzbog Garbage Carts. Geo. H. Holzbog & Bros., Jeffersonville, Ind.
Holz-Em Brush and Mop Handles. American Standard Mfg. Co., Chicago.
Homaco Soap. Hoosier Mfg. Co., Indianapolis, Ind.
Ho-M-Aid Brooms. Hugh Thompson Broom Corn Co., Kansas City, Mo.
Homasote Fibre and Wall Boards. Pantasote Co., New York.
Home Butter Maker Churns. Standard Churn Co., Wapakoneta, O.
Home Carpet Sweepers. Santo Vacuum Cleaner Co., New York.
Home Cobblers' Outfits. Fate-Root-Heath Co., Plymouth, O. Chicago, Ill.
Home Comfort Furnaces. St. Louis Heating Co., St. Louis, Mo.
Homo Comfort Hotel Ranges. Wrought Iron Range Co., St. Louis, Mo.
Home Comfort Lawn Swings. H. C. Canfield, Batesville, Ind.
Home Glue Pots. Reading Saddle & Mfg. Co., Reading, Pa.
Home Guard Fire Extinguishers. Knight & Thomas, Inc., Boston.
Home Light Plants and Home Water Plants. Fairbanks, Morse & Co., Chicago.
Home Lubricating Oils. Buffalo Specialty Co., Buffalo, N. Y.
Home Medical Batteries. Manhattan Electrical Sup. Co., New York.
Home Mops. C. H. Ellert, Evansville, Ind.
Home Nut Crackers and Picks. Schroeder Bros. Hdw. Co., St. Louis.
Home Oil. Buffalo Specialty Co., Buffalo, N. Y.
Home (Texaco) Lubricating Oil. The Texas Co., New York.
Home Victor Waters Heaters. S. V. Reeves, Philadelphia.
Homebestos Packing. Home Rubber Co., Trenton, N. J.
Homelite Portable Electric Light and Power Plant. Simms Magneto Co., East Orange, N. J.
Homer Coal Chutes. Homer Furnace Co., Coldwater, Mich.
Homer Commutators. Homer Commutator Co., Cleveland, O.
Homer Pipeless Furnaces. Homer Furnace Co., Homer, Mich.
Homespun Face Brick. Thomas Moulding Brick Co., Chicago.
Homestead Lawn Mowers. Worcester Lawn Mower Co., Worcester, Mass.
Homestead Quarter Turn Valves; Protected Seat Globe Valves (B & O Patents), Protected Seat Operating Valves (B & O Patents). Homestead Valve Mfg. Co., Homestead, Pa.
Homewood Syphon Action with Jet Water Closets. Central Metal & Supply Co., Baltimore, Md.
Homogen Case Hardening Compounds. Case Hardening Service Co., Cleveland.
Homol Oil. William Peterman, Inc., Passaic, N. J.

Hondaille Shock Absorber. Hondaille Shock Absorber Co., New York
Honeco Indicating and Recording Instruments. Hohman-Nelson Co., Eau Claire, Wis. (Now American Schaeffer & Budenberg Corp.), Brooklyn, N. Y.
Honest Abe Fencing. Cussins & Fearn Co., Columbus, O.
Honest John Neck Yoke Centers. Racine Gen. Mfg. Co., Racine, Wis.
Honeycomb Grating. Irving Iron Works Co., Long Island City, N. Y.
Honeycomb Mitre Boxes. Rockford Mitre Box Co., Rockford, Ill.
Honeycomb Water Cooling Radiators. Detroit Auto Specialty Co., Detroit, Mich.
Honeycomb Water Cooling Radiators. Fedders Mfg. Co., Buffalo, N. Y.
Honeywell Damper Regulators and Hot Water Radiator Valves. Honeywell Heating Specialty Co., Wabash, Ind.
Honeywell Unique Radiator Valves, Sylphon Water Regulators, Temperature Regulators, Check Dampers, Thermostats, Etc. Honeywell Heating Specialties Co., Wabash, Ind.
Honk Quick Change Wire Auto Wheels. Honk Mfg. Co., Buffalo, N. Y
Honor Brand Brushes. Sullivan Brush Co., Sullivan, Ind.
Honor Medal Toilet Paper. The Union Paper & Twine Co., Cleveland, O.
Honor (Texaco) Lubricating Oil. The Texas Co., New York.
Honor Typewriter Paper. Elsinore Paper Co., New York.
Honrware Metal Household Specialties. Reliance Metal Spinning & Stamping Co., Brooklyn, N. Y.
Hontas Conveyor Belting. Cincinnati Rubber Mfg. Co., Cincinnati, O.
Hontas Rubber Belting. The Cincinnati Rubber Mfg. Co., Cincinnati, O
Hood "Arrow" Rubber Heels. Hood Rubber Co., Watertown, Mass.
Hood Auto Tires; Canvas and Rubber Footware. Hood Rubber Products Co., Inc., Watertown, Mass.
Hood Lumber Tractor. Hood Mfg. Co., Seattle, Wash.
Hood Stove Pipe Dampers. Hood Furnace & Sup. Co., Corning, N. Y.
Hood Window Reflectors. Curtis-Ledger Fixture Co., Chicago.
Hoo-Hoo Babbitt Metals. More-Jones Brass & Metal Co., St. Louis, Mo.
Hoo-Hoo Saw Guides. Reed Hardware & Mfg. Co., Cairo, Ill.
Hook Conduit Connectors. Thomas & Betts Co., New York.
Hook Heel Switches. Bethlehem Steel Co., Bethlehem, Pa.
Hooke Asphalt Patcher. Robt. Hooke, Chattanooga, Tenn.
Hooper Pumps. W. T. Garratt & Co., San Francisco.
Hooper Rural Mail Boxes. Jno. F. Heine & Son, Hooper, Neb.
Hooperwood Duck, Fabrics, Seine Twine and Sewing Twines. Wm. E. Hooper & Sons, Baltimore, Md.
Hoopes Bridges. Leeds & Northrup Co., Philadelphia.
Hoosac Pipe and Fittings. Brien Heater Co., Westfield, Mass.
Hoosic Corn Poppers. Chas. M. Dorr Co., Hoosick Falls, N. Y.
Hoosier Calf Weaners. Barbee Wire & Iron Wks., Lafayette, Ind.
Hoosier Clutches. Hoosier Clutch Co., Muncie, Ind.
Hoosier Corn Planters, Grain Drills, Seeders, Sowers. International Harvester Company of America (Inc.), Chicago.
Hoosier Desks. Hoosier Desk Co., Jasper, Ind.
Hoosier Disc Furrowing Attachments. American Seeding Machine Co., Springfield, Ohio.
Hoosier Drilling Machines and Machine Vises. Hoosier Drilling Machine Co., Goshen, Ind.
Hoosier Grain Drills, Seeders, Lime Sowers. International Harvester Co., Chicago.
Hoosier Insecticides, Sweeping Compounds, Metal and Furniture Polish Soaps. Hoosier Mfg. Co., Indianapolis, Ind.
Hoosier Jacks. Regulators, Pumps and Tanks. Flint & Walling Mfg. Co., Kendallville, Ind.
Hoosier Kitchen Cabinets. Hoosier Mfg. Co., New Castle, Ind.
Hoosier Lawn Sprinklers. Elkhart Brass Mfg. Co., Elkhart, Ind.
Hoosier Liquid Soap, Pumice Soap, Sweeping Compound, Washing Powder, Furniture Polish, Metal Polish, Insecticides, Deodorizers, etc. Hoosier Mfg. Co., Indianapolis, Ind.
Hoosier Pumping Jacks, Pumps, Tanks and Float Valves for Tanks, Power Working Jacks. Flint & Walling Mfg. Co., Kendallville, Ind.
Hoosier Saw Bucks. Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
Hoosier Sawmill Machinery. Sinker-Davis Co., Indianapolis, Ind.
Hoosier Seeding Machines. International Harvester Company of America, Inc., Chicago.
Hoosier Steam Engine Governors and Rip Saw Machines, Band Saw Mills Box Makers' Machy. Sinker-Davis Co., Indianapolis, Ind.
Hoosier Tractor Engines. Advance Rumley Co., La Porte, Ind.
Hoosier Vacuum Cleaners and Carpet Sweepers. Peoria Can Co., Peoria, Ill.
Hoosier Wagon Skeins. American Skein & Foundry Co., Racine, Wis.
Hoover Automobiles. Hoover Body Co., York, Pa.
Hoover Electric Vacuum Carpet Sweepers. Hoover Suction Sweeper Co., N. Canton, Ohio.
Hoover Potato Diggers. Hoover Mfg. Co., Avery, Ohio.
Hoover Steel Balls. Hoover Steel Ball Co., Ann Arbor, Mich.
Hopaco Packing. Hollow Center Packing Co., Cleveland, Ohio.
Hopedale Warpers. Draper Corp., Hopedale, Mass.
Hope-Tape. Hope Webbing Co., Providence, R. I.
Hope Webbing. Hope Webbing Co., Providence, R. I.
Hopewell Fuses. Central Railway Signal Co., Pittsburgh, Pa.
Hopkins Clothes Dryers. L. Hopkins Mfg. Co., North Girard, Pa.
Hopkins Lathe Attachment. A. E. Hopkins, Middletown, N. Y.
Hopkinson-Thring Torsion Meters. McNab Co., Bridgeport, Conn.
Hoppen Grindstones, Arbors, Shafting Hangers and Truing Devices. J. E. Hoppen & Sons, Belleville, N. J.
Hopper Can Openers. Wrightsville Hardware Co., Wrightsville, Pa.
Hoppes Feed Water Heaters, Oil Eliminators and Steam Separators. Hoppes Mfg. Co., Springfield, Ohio.
Hoppes V-Notch Water Meters. The Hoppes Mfg. Co., Springfield, O.
Hop River Chair Seats. National Seat & Novelty Mfg. Co., Hop River, Conn.
Ho-Pressure Automatic Chemical Sprinklers. National Fire Extinguisher Co., Philadelphia, Pa.
Hopson Steam and Hot Water Heaters. Hopson & Chapin Mfg. Co., New London, Conn.
Hop Toad Hose. Empire Tire & Rubber Corp., Trenton, N. J.
Horicon Towers and Windmills. Horicon Windmill Co., Horicon, Wis.
Horifold Folding Doors for Warehouses, Etc. Security Fire Door Co., St. Louis, Mo.
Horizontal Junior Metal Cutting Machines. Metal Saw & Machine Co., Inc., Springfield, Mass.
Horizontal Napier Metal-Cutting Machine. Metal Saw & Machine Co., Inc., Springfield, Mass.
Horizontal Sugar Cane Mills. Southern Plow Co., Columbus, Ga.
Horn Seeders and Sowers. Cyclone Seeder Co., Dept. H, Urbana, Ind.
Horn Fibre Boot and Shoe Fibre Counters. Rogers Fibre Co., Boston.
Horne Receivers and Amplifiers, Lightning Arresters, etc. Horne Mfg. Co., Jersey City, N. J.
Hornet Boilers. Wm. H. Page Boiler Co., New York.
Hornsburg Hot Air Furnaces. Harrisburg Mfg. & Boiler Co., Harrisburg, Pa.
Horrock Winders. F. A. & P. Hall, Lawrence, Mass.
Horrocks Desk. Horrocks Desk Co., New York.
Horsehead Oxide of Zinc, Slab Zinc, Rolled Zinc, Zinc Sheets and Strips, Standing Seam Zinc Roofing. The New Jersey Zinc Co., New York.
Horseline Oils and Greases. R. J. Kanter Co., New York.
Horsely Flanged Boiler Nozzles. Jos. T. Ryerson & Son, Inc., Chgo.
Horseshoe Auto Tires. Racine Auto Tire Co., Racine, Wis.
Horseshoe Blacksmith's Tongs, Machinists' Hammers. Stanley Works, New Britain, Conn.
Horseshoe Brand Brushes. Pittsburgh Plate Glass Company, Rennous-Kleinle Division, Baltimore, Md.
Horseshoe Magnet Hammers. Arthur R. Robertson, Boston, Mass.
Horseshoer Anvils. Fisher & Norris, Trenton, N. J.
Horsfield Tap and Reamer Wrenches. Card Mfg. Co., S. W., Div. of Union Twist Drill Co., Mansfield, Mass.
Horstman Upholstery Trimmings. Wm. H. Horstman Co., Phila., Pa.
Horton Cableways, Derricks and Winches. John T. Horton Co., Inc., New York.
Horton Drill Chucks. E. Horton & Son Co., Winsor Locks, Conn.
Horton Gas Holders; Elevated Tanks. Chicago Bridge & Iron Works, Chicago.
Horton-Morrow Drill Chucks. The E. Horton & Son Co., Winsor Locks, Conn.
Horton Washing and Ironing Machines. Horton Mfg. Co., Ft. Wayne, Ind.
Horton Miracle Hand Power Washing Machine. Horton Mfg. Co., Ft. Wayne, Ind.
Hosford Hose Pipes. Haydenville Co., Haydenville, Mass.
Hoskins Electric Furnaces. Hoskins Mfg. Co., Detroit, Mich.
Hoskins Heating Appliances. Hoskins Mfg. Co., Detroit, Mich.
Hosmer's Pipe Joint Paste; Harness Oil. Buffalo Specialty Co., Buffalo, N. Y.
Hospital Absorbent Cotton. American Gauze & Cotton Co., St. Louis. Maplewood Mills, Fall River, Mass.
Hospital Closets. Crane Co., Chicago.
Hospital and Laboratory Enamel. Toch Brothers, Inc., New York.
Hospital Plasterers' Steel Beads. Union Metal Corner Co., Boston.
Hotakold Vacuum Bottles, Carafes, Etc. Manning, Bowman & Co., Meriden, Conn.
Hot Blast Blow Torches. Turner Brass Works, Sycamore, Ill.
Hot Blast Magnesia Cement. Keasbey & Mattison Co., Ambler, Pa.
Hotchkiss Automatic Paper Fastening Machines and Staples. The Hotchkiss Sales Co., Norwalk, Conn.
Hotchkiss Boiler Flue and Tube Cleaners. Leonard & Rubber Co., Cambridge, Mass.
Hotchkiss Curb Forms. Hotchkiss Metal Form Co., Binghamton, N. Y.
Hotchkiss Paper Fasteners and Stapling Machines. Hotchkiss Sales Co., Dept. H, Norwalk, Conn.
Hotchkiss Steel Concrete Forms. Hotchkiss Lock Metal Form Co., Binghamton, N. Y.
Hotchner Patent Sign Letter. Jos. Hotchiner, San Francisco.
Hot-Flow Water Softeners. International Filter Co., Chicago.
Hot House Hose Nozzles. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Hotomatic Hot Air Furnaces. Colmar Mfg. Co., Emeryville, Cal.
Hotpath Soldering Irons. Schutte & Koerting Co., Philadelphia, Pa.
Hotpoint Electric Ranges. Edison Electric Appliance Co., Inc., Chicago.
Hotpoint Servants (Appliances). Edison Electric Appliance Co., Inc., Chicago.
Hot Shot Spark Plugs. K. W. Ignition Co., Cleveland, Ohio.
Hot Spark Spark Plugs. Guarantee Tire & Rubber Co., Indianapolis.
Hot Spot Gas Heaters. Reliable Stove Co., Cleveland, Ohio.
Hot Stuff Lubricators. Michigan Lubricator Co., Detroit, Mich.
Hot Stuff Tank Heaters. Butler Co., Butler, Ind.
Hott Patch Furnace Cement. S. Obermayer Co., Cincinnati, O.
Hottentot Gas Ranges. Eriez Stove & Mfg. Co., Erie, Pa.
Hot Wire Meters. Eldredge Electric Mfg. Co., Springfield, Mass.
Houghtaling Reducing Motions. Manning Maxwell & Moore, Inc. (Ashcroft Mfg. Co., Div.), New York.
Houghtolard Cutting Oils. E. F. Houghton & Co., Philadelphia.
Houghton's Case Hardening and Tempering Compounds. Disinfectants, Textile Leathers. **E. F. Houghton & Co., Philadelphia, Pa.**
Houpert Piston Pins. Houpert Machine Co., Long Island City, N. Y.
Housatonic Bond Paper. B. D. Rising Paper Co., Housatonic, Mass.
House Cold Tire Setter. House Cold Tire Setter Co., St. Louis, Mo.
Household Gas Ranges. White-Warner Co., Taunton, Mass.
Household Medical Batteries. Manhattan Electrical Supply Co., New York.
Household Wax. Waverly Oil Works Co., Pittsburgh, Pa.
House Tire Setter. House Cold Tire Setter Co., St. Louis, Mo.
Housley's Safety Washout Plugs. Housley Flue Connection Corp., Indianapolis, Ind.
Houston Locomotive Sanders. United States Metalic Packing Co., Philadelphia.
Houston Wood Mortising Machines. Am. Woodworking Machinery Co., Rochester, N. Y.
Houze Automobile Tail Light Glasses. L. J. Houze Convex Glass Co., Point Marion, Pa.
Hovalco Blow-off Valves. Homestead Valve Mfg. Co., Homestead, Pa.
Hovalco Valves. Homestead Valve Mfg. Co., Homestead, Pa.
Hoveland Tile Ditching Machines. St. Paul Machinery Mfg. Co., St. Paul, Minn.
Hovey's Eagle Calcined Plaster. Grand Rapids Plaster Co., Grand Rapids, Mich.
Howard Combination Spanner Wrenches. H. J. M. Howard Mfg. Co., Washington, D. C.
Hoveys Eagle Calcined Plaster. Grand Rapids Plaster Co., Grand Rapids, Mich.
Howard Brake Jaws. U. S. Metal & Mfg. Co., New York.
Howard Clocks, all kinds. E. Howard Clock Co., Boston, Mass.
Howard Dusters, Floor Brushes and Dust Cloths. Howard Dustless Duster Co., Boston.
Howard Engine Indicators. Lipincott Steam Specialty & Supply Co., Newark, N. J.
Howard Electric Watchman Clocks. E. Howard Clock Co., Boston.
Howard Expansion Joints. Howard Iron Wks., Buffalo, N. Y.
Howard Self-Oiling Hangers. Olney & Warrin, New York.
Howard Swinging Hose Racks. H. J. M. Howard Mfg. Co., Washington, D. C.
Howard's Asphalt Roofing and Sheet Roofing Fasteners. Usona Mfg. Co., Aurora, Ill.
Howarth's Sash Centers. Michigan Engine Valve Co., Detroit, Mich.
Howe, Brown & Co. Tool Steel. The Crucible Steel Co., Pittsburgh, Pa.

Howe Bull Chains. Link-Belt Company, Chicago.
Howe Comealongs. Dicke Tool Co., Downers Grove, Ill.
Howe Double Locked Chain; Straight Line Chain. Howe Chain Co., Muskegon, Mich.
Howe Safety Guards. A. F. Howe Safety Appliances, Granite City, Ill.
Howe-Tector Molding Machines, Self-Closing Nozzles and Ladle Trucks. R. J. Tector Company, Muskegon, Mich.
Howe's Linemen's Wire Tools. Mathias Klein & Sons, Chicago.
Howell Drills, Spads, etc. Howells Mining Drill Co., Plymouth, Pa.
Howell Red Band Electric Motors. Howell Electric Motors Co., Howell, Mich.
Howell's No. 50 Emulsion Oils. Jamaica Dyewood & Chemical Co., New York.
Howes Fishing Bait. Vacuum Bait Co., North Manchester, Ind.
Howes Ranges. S. M. Howes Co., Boston.
Hoxie Lining and Tamping Bars. Handlan-Buck Mfg. Co., St.Louis,Mo
Hoy Potato Diggers. Ireland & Helfrich, Spencerport, N. Y.
Hoyt Ammeters for Automobiles. Burton-Rogers Co., Boston.
Hoyt Automatic Water Heaters. Hoyt Heater Co., Los Angeles, Cal.
Hoyt Babbitt Lined Bearings. Hoyt Metal Co., St. Louis.
Hoyt Belting and Belt Cements. E. R. Ladew Co., New York.
Hoyt Electrical Instruments. Burton-Rogers Co., Boston, Mass.
Hoyt Gage Cocks. Star Brass Mfg. Co., Boston, Mass.; Rich Mfg. Co., Boston, Mass.
Hoyt Magnetic Separators. Elm City Enging. Co., New Haven, Conn.
Hoyt Magnetometer. Hoyt Electrical Inst. Works, Penacook, N. H.
Hoyt's Carbolineum. The C. H. Hoyt & Son Co., Cleveland, O.
Hoyt's Clothes Pins. J. R. Clark & Co., Minneapolis, Minn.
Hoyt's Leather Belt Cement and Preservative. Edward R. Ladew Co., Inc., New York.
Hub All Steel Switch Stands. Pettibone Mulliken Co., Chicago.
Hub Block Sheet Packing. Geo. W. Knowlton Rubber Co., Boston.
Hub Brand Carbon Paper and Typewriter Ribbons. Webster Co., F. S. Boston, Mass.
Hub Christmas Tree Holders. John Donnelly, Branford, Conn.
Hub Faucet Cans. Sexton Can Co., Boston.
Hub Fountain Pen. Davidson Rubber Co., Boston.
Hub Friction Clutches. The Americana Tool & Machine Co., Boston.
Hub Gaskets and Packing. Geo W. Knowlton Rubber Co., Boston, Mass.
Hub Mark Rubbers. U. S. Rubber Co., New York.
Hub Paper and Twine Holders and Cutters. Cutter Mfg. Co., Boston.
Hub Plasterers' Steel Beads. Union Metal Corner Co. Boston.
Hub Mill Baskets, Sample Cases, Store Trucks. Josiah Cummings & Sons, Boston.
Hub Never Drip Strainers. Hamblin & Russell Mfg. Co., Worcester, Mass.
Hub Ranges and Steam and Hot Water Heaters. Smith & Anthony Co., Boston.
Hub Step Ladders. Relley Bros. Ladder Co., New York.
Hub Switch Stands. Pettibone, Mulliken & Co., Chicago.
Hub Water Closets. Sanitas Mfg. Co., Boston.
Hub Water Filters. Jones Mfg. Co., Boston, Mass.
Hubace Re-boring Cylinders and Vises. Standard Gas Engine Co., Oakland, Cal.
Hubbard Axes. American Axe & Tool Co., Glassport, Pa.
Hubbard Chain Pull Sockets. Harvey Hubbell (Inc.), Bridgeport, Conn.
Hubbard Folding Boxes. Puffer-Hubbard Mfg. Co., Minneapolis, Minn.
Hubbard Pole Line Hardware. Hubbard & Co., Pittsburgh, Pa.
Hubbard Springs. M. D. Hubbard Spring Co., Pontiac, Mich.
Hubbard Truss-Cleats. Hubbard Pressed Steel Co., Niles, O.
Hubbard's "Black Diamond" Granulated Raw Bone for Case-Hardening; Bone Base Connecticut Fertilizers. Rogers & Hubbard Co., Middletown, Conn.
Hubbell Lamp Guards. Harvey Hubbell (Inc.), Bridgeport, Conn.
Hubbell Machine Screws. Harvey Hubbell, Inc., Bridgeport, Conn.
Hubbell Sockets, Switches, Shade Holders, Plugs, Receptacles, etc. Harvey Hubbell, Inc., Bridgeport, Conn.
Huber Asbestos Table Padding. Asbestos Fibre Spinning Co., North Wales, Pa.
Huber Hand Stoker, Stoker Hoppers, Sectional Boiler Fronts. Flynn & Emrich Co., Baltimore, Md.
Huber Hay Revolving Rakes. Ohio Rake Co., Dayton, Ohio.
Huber Light 4 Traction and Gasoline Engines. Huber Mfg. Co., Marion, Ohio.
Huber Super Four Tractor. Huber Mfg. Co., Marion, Ohio.
Hubert's French Emery Paper. Montgomery & Co., Inc., New York.
Hubler Dayton Storage Batteries. Dayton Electrical Mfg. Co., Dayton, Ohio.
Hudford Motor Trucks. Commercial Car Unit Co., Philadelphia, Pa.
Hudson Asphalt Felts and Slate Surface Shingles. Asphalt Roof Coating Co., New York.
Hudson Bar Belt Dressing. Hudson Belting Co., Worcester, Mass.
Hudson Belting, Hose and Matting. Hudson Mechanical Rubber Co., New York.
Hudson Belting. Mercer Rubber Co., Hamilton, N. J.
Hudson Bicycles. Miami Cycle & Mfg. Co., Middletown, Ohio.
Hudson Dairy Barn Equipment, Ventilators, Etc. Hudson Mfg. Co., Minneapolis, Minn.
Hudson Exhaust Heads. Abendroth & Root Mfg. Co., Newburgh, N. Y.
Hudson Fulton Storage Batteries. Storage Battery Supply Co., New York.
Hudson Fulton Jr. Storage Batteries. Storage Battery Supply Co., New York.
Hudson Hose Mender. Hudson Parer Co., Leominster, Mass.
Hudson Long Life Steam Hose. Hudson Mechanical Rubber Co., New York.
Hudson Port Lights. Thos. Laughlin Co., Portland, Me.
Hudson Potato and Pump Sprayers. Hudson Mfg. Co., Minneapolis.
Hudson Reclaimed Rubber. U. S. Rubber Reclaiming Works, New York.
Hudson River Garden Barrows. Thos. McWhinnie, Poughkeepsie, N. Y.
Hudson Reclaimed Rubber. Nearpara Rubber Co., Trenton, N. J.
Hudson 520 Red Sheet Steam Packing. Hudson Mechanical Rubber Co., New York.
Hudson Sanitary Refrigerators. Harder Mfg. Co., Cobleskill, N. Y.
Hudson 600 Sheet Packing. Hudson Mechanical Rubber Co., New York.
Hudson Steam and Hot Water Heaters. Hudson Boiler Mfg. Co., New York.
Hudson Super-Six Automobiles. Hudson Motor Car Co., Detroit.
Hudson Waste Baling Presses. Hazen Mfg. Co., Hudson, Mich.
Hudson Yellow Jacket Drill Hose. Hudson Mechanical Rubber Co., New York.
Hudson's Extra Leather Belting. Hudson Belting Co., Worcester, Mass.
Hudson-Fulton Batteries. Storage Battery Supply Co., New York.
Hudson's Fry Pans. Northwestern Stamping Co., Burlington, Ia.
Hueter's Superior Varnishes. Brass Hueter Paint Co., San Francisco.
Huff Ore Concentrators and Separators. Huff Electrostatic Separator Co., Boston.
Hug Speed Truck. The Hug Co., Chambersburg, Pa.
Hughes Auto Tire Locks. M. & H. Novelty Co., Los Angeles.
Hughes Electric Cooking Apparatus and Electric Ranges. Hughes Electric Heating Co., Chicago.
Hughes Gas Producers. Wellman-Seaver-Morgan Co., Cleveland, O.
Hughes Ledger Metals. Hughes Loose Leaf Metals Co., Chicago.
Hughes Universal Electric Arc Lamps. Hughes Universal Arc Lamp Co., Philadelphia.
Hughlett Can Lacquering Machines. Seeley Bros., Blaine, Wash.
Hughson Pump Governors. Illinois Enginering Co., Chicago.
Hug-It Belt Dressing. Hinds & Coon, Boston.
Hugo Steel Clamps. Norfolk Mfg. Co., Norfolk, Conn.
Hug-Tight Belt Dressing. Codd Tank & Specialty Co., Baltimore, Md.
Hugtite Leather Belting. Edw. R. Ladew Co., Inc., New York.
Huhn Packing. American Huhn Metallic Packing Co., New York.
Hulbert Heaters, Radiators and Vulcanizers. Scheeline Mfg. Co., San Francisco.
Hulbert Lock Deck Plates. Wilcox Crittenden Co., Inc., Middletown, Conn.
Hull Pumps and Tanks. Hull Pump & Tank Co., Inc., Owensboro, Ky.
Hullead Paints, Stains, etc. Patterson-Sargent Co., Cleveland, O.
Hullfin Boats. Samuel Golden, New York.
Hulson Grates. Hulson Grate Co., Keokuk, Ia.
Humane Currycombs. F. E. Kohler Co., Canton, O.
Humane Horse Cleaners. Harsh-Miller Mfg. Co., Wabash, Ind.
Humane Horse Collars. Powers Mfg. Co., Waterloo, Ia.
Humane Sand Blast Equipment. Am. Fdry. Equipt. Co., New York.
Humatic Hydro Extractors. Amer. Ldry. Machy. Co., Cincinnati, O.
Humdinger Diaphragm Force Pumps. Ralph B. Carter Co., New York.
Hume Junior Traction Engines. Hume Mfg. Co., Hume, Ill.
Humfrey Testing Machines. Herman A. Holz, New York.
Humigars Cigar Humidifiers. Bishop & Babcock Co., Cleveland.
Hummer Barn Door Hangers. Lawrence Bros., Sterling, Ill.
Hummer Cultivators and Plows. Racine-Sattley Co., Springfield, Ill.
Hummer Foot Power, Tool Sharpener. Luther Grinder Mfg. Co., Milwaukee, Wis.
Hummer Hammer Self Rotating Rock Drills. Chicago Pneumatic Tool Co., New York.
Hummer Leather Belting. Detroit Oak Belting Co., Detroit, Mich.
Hum-Mer Separator Screen. W. S. Tyler Co., Cleveland, O.
Hummer Windmills. Elgin Wind Power & Pump Co., Elgin, Ill.
Hummers Grinders. Luther Grinder Mfg. Co., Milwaukee, Wis.
Humming Bird Kitchen Sets. Cassady, Fairbank Mfg. Co., Chicago.
Hump Furnace for Heat Treatment of Steel. Leeds & Northrup Co., Philadelphia.
Hump Hose Racks. Wirt & Knox Mfg. Co., Philadelphia, Pa.
Humphrey Automatic Clutch. Humphrey Machine Co., Keene, N. H.
Humphrey Crushing Rolls. Colorado Iron Works Co., Denver, Colo.
Humphrey Gas Arc Lamps and Mantles. General Gas Mantle Co., Kalamazoo, Mich.
Humphrey Radiantfires. General Gas Light Co., Kalamazoo, Mich.
Humphrey Wire and Drawing Machines and Root Cutters. Humphrey & Sons, Joliet, Ill.
Humphrey Radiantfire Gas Heaters. General Gaslight Co., Kalamazoo, Mich.
Humphry Water Heaters. Humphry Co., Kalamazoo, Mich.
Humphrey's Cutters. Humphrey & Sons, Joliet, Ill.
Humpty Dumpty Egg Carriers. Cummer Mfg. Co., Cadillac, Mich.
Hungerford Water Filters and Water Softening Apparatus. Hungerford & Terry, Inc., Dept. H, Clayton, N. J.
Hunt Axes. American Axe & Tool Co., Glassport, Pa.
Hunt Cars, Conveyors, Switches, Turntables, Storage Battery Trucks. C. W. Hunt Co., Inc., West New Brighton, N. Y.
Hunt Cross Thread Nut Locks. Hubbard & Co., Pittsburgh, Pa.
Hunt Inspection. Robt. W. Hunt Co., Chicago.
Hunt McCormack Turbines. Rodney Hunt Machine Co., Orange, Mass.
Hunt Nut Lock. Hubbard & Co., Pittsburgh, Pa.
Hunt Push Pins. Roeti-Hunt Corp., Putnam, Conn.
Hunt Transformer, Oil Dryer and Purifier and Transformer Oils. Edward J. Hunt, Newark, N. J.
Hunt's Round Pointed Pens. C. Howard Hunt Pen Co., Camden, N. J.
Hunt-Spiller Gun Iron. Hunt-Spiller Mfg. Corp., Boston.
Hunter Currycombs. Wisconsin Metal Products Co., Racine, Wis.
Hunter Eectric Fans. Hunter Fan & Motor Co.,, Fulton, N. Y.
Hunter Gravity Grease Cups and Mine and Surveyors Spades. Hunter Pressed Steel Co., Philadelphia, Pa.
Hunter Pneumatic Hammer Rivet Sets. Hunter Saw & Machine Co., Pittsburgh.
Hunter's Carburetors. Vincennes Motor Mfg. Co., Vincennes, Ind.
Hunter's Flour Sieves. Fred J. Meyers Mfg. Co., Hamilton, O.
Hunter's Steam and Hot Water Heaters. Jas. Hunter, Albany, N. Y.
Huntingburg Farm Wagons. Huntingburg Wagon Wks. Huntingburg, Ind.
Huntington Emery Wheel Cutters. Curtin-Hebert Co., Gloversville, N. Y. Burgess-Norton Mfg. Co., Geneva, Ill. Collmer Bros., South Bend, Ind.
Huntington Emery Wheel Dressers. Collmer Bros., South Bend, Ind. Geo. H. Calder, Lancaster, Pa. The Desmond-Stephan Mfg. Co., Urbana, O. Chicago Wheel & Mfg. Co., Chicago, Curtin-Herbert Co., Gloversville, N. Y., North Wales Machine Co., North Wales, Pa., Peninsular Emery Wheel Co., Detroit, Mich., Warren Axe & Tool Co., Warren, Pa., William Williams, Jr., New Britain, Conn.
Huntington Shingle Tile. Huntington Roofing Tile Co., Huntington, W. Va.
Huntington Track Gauges. Aldon Co., Chicago; Buda Co., Harvey, Ill.; Richardson & Tallman, Shelbyville, Ill.
Huntington Collmer Emery Wheel Dressers. Collmer Bros., South Bend, Ind.
Huntington Non-Skid Rubber Heels. Huntington Rubber Mills, Portland, Ore.
Hunt-McCormick Turbine Water Wheels. Rodney Hunt Machine Co., Orange, Mass.
Huntoon Brake Beams and Truck Bolsters. The Bradford Corporation, New York.
Huntoon Bridle Bits. Upton & Gilman Machine Co., Lowell, Mass.
Hupmobile Automobiles. Hupp Motor Car Corp., Richmond, Va., and Detroit, Mich.
Hurco Interior Finish. Hurst Sash & Door Co., Grand Island, Neb.
Hurd Axes. American Axe & Tool Co., Glassport, Pa.
Huriup Gasoline Funnels. F. Cortez Wilson & Co., Chicago.
Hurlburt Motor Trucks. Hurlburt Motor Truck Co., New York.
Hurlbut Cutting-Off Machines. Hurlbut-Rogers Machine Co., South Sudbury, Mass.
Hurlburt Lock Deck Plates. Wilcox, Crittenden & Co., Inc., Middletown, Conn.

Hurlup Gasoline Funnels. A. C. Kraft, Chicago.
Huron Alloy Tool Steel. Ludlum Steel Co., Watervliet, N. Y.
Huron Hose and Packing. U. S. Rubber Co., New York.
Huron Fire Hose. Consolidated Rubber Co., Trenton, N. J.
Huron Leather Belting. Syracuse Supply Co., Syracuse, N. Y.
Huron Lubricators. Detroit Shipbuilding Co., Detroit, Mich.
Huron Oil and Grease Cups. Detroit Shipbuilding Co., Detroit, Mich.
Huron Portland Cement. Huron Portland Cement Co., Detroit, Mich.
Huron Valves. The Diamond Rubber Co., Inc., Akron, O.
Hurricane Boiler Cleaners. Jas. L. Robertson & Son, Inc., New York.
Hurricane Drying, Dyeing and Finishing Machinery. The Philadelphia Drying Mchy. Co., Philadelphia, Pa.
Hurricane Electric Fans. Eck Dynamo & Motor Co., Belleville, N. J.
Hurricane Insect Guns. Thos. W. Houchin Co., New York.
Hurricane Textile Chemicals, Clay and Porcelain Dryers, Dyeing Machines, Stock and Yarn Hosiery. Phila. Drying Machy. Co., Phila.
Hurricane Tube Cleaners. Jas. L. Robertson & Son, New York.
Hurri-Kleen Fabric Cleaning Machines. Allen Engrg & Mfg. Co., Savannah, Ga.
Hurri-Kleen Shaving Exhaust Systems. Allen Engineering & Mfg. Co., Savannah, Ga.
Hurry Dryers. Willey Co., Inc., Philadelphia.
Hurt Broom Cutters and Broom Sizers. Alphonso Walrath Co., Fort Plain, N. Y.
Hurwood Screw Drivers and Ice Picks. Stanley Works, New Britain, Conn.
Hurwood Screw Drivers, Awls, Ice Picks. Stanley Rule & Level Co., New Britain, Conn.
Husk Exhaust Chimes for Autos, Trucks and Tractors. Western Brass Mfg. Wks., Dept. H, Chicago.
Huskit Corn Huskers. R. F. Clark Mfg. Co., Chicago.
Husky Jerry Boy Section Motor Cars. Associated Manufacturers' Co., Waterloo, Ia.
Hussey Spring Tooth Harrows. Hussey Plow Co., N. Berwick, Me.
Hustler Ash Sifters. Hill Clothes Dryer Co., Worcester, Mass.
Hustler Folders. Omaha Folding Machine Co., Omaha, Neb.
Hustler Rubber Hose. Joseph Stokes Rubber Co., Trenton, N. J.
Hustler Saw Mills; Wood Planer, Matcher and Moulder; Swing Saws; Peanut Pickers; Dyeing Machines; Etc. Salem Iron Works, Winston-Salem, N. C.
Hustler Sled Cultivators. Ohio Cultivator Co., Bellevue, O.
Hustler Siphons. Riverside Fdry. & Galv. Co., Kalamazoo, Mich.
Hustler Stoves. W. H. Landers Co., Syracuse, N. Y.
Huston Pressed Steel Boiler Saddles. Lukens Steel Co., Coatesville, Pa.
Hutchins' Car Roofs and Box Car Ends. Hutchins Car Roofing Co., Detroit, Mich.
Hutchins Steel End Channels. Hutchins Car Roofg. Co., Detroit, Mich.
Hutchins All-Steel Car Roofing. Hutchins Car Roofing Co., Detroit, Mich.
Hutchison Spool-O-Wire Fastener. Hutchison Office Specialties Co., Inc., New York.
Huther Dado Heads. Huther Bros. Saw Mfg. Co., Rochester, N. Y.
Huther Saws. Huther Bros. Saw Mfg. Co., Rochester, N. Y.
Hutter Porcelain Stoppers. Karl Hutter, New York.
Hyatt Billiard Tables. Albany Billiard Ball Co., Albany, N. Y.
Hyatt Roller Bearings. Hyatt Roller Bearing Co., Newark, N. J.
Hyatt Shafting Boxes. Hyatt Roller Bearing Co., Harrison, N. J.
Hyatt Water Filters. New York Cont. Jewell Filt. Co., Nutley, N. J.
Hy-Brand Fire Brick. Hydraulic Press Brick Co., St. Louis, Mo.
Hy-Calibre Leather Belting. Consolidated Belting Co., Philadelphia, Pa.
Hycap-Exide Battery. Electric Storage Battery Co., Philadelphia, Pa.
Hycolorite Antiseptic. General Laboratories, Madison, Wis.
Hyco Water Softener. Hike-Dirt Co., Franklin, Pa.
Hycol Disinfectant. Merck & Co., New York.
Hyde Sand and Gravel Dryers. Hyde & Co., Inc., Pittsburgh, Pa.
Hyde Water Tube Boilers. Hyde Bros. & Co., Pittsburgh.
Hyde's Horseshoers' Vises. New London Vise Wks, New London, Conn.
Hydra Packing. H. W. Johns-Manville Co., New York.
Hydraeram. Water Supply System, Deming Co., Salem, O.
Hydraucone Pumps and Draft Tube Regainer for Hydraulic Turbine. Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Hydraulic (Column Forms). Kalman Steel Co., Chicago.
Hydraulic Flax Packing. W. Chesterton Co., Boston.
Hydraulic (Steel Buildings Standardized). Corrugated Bar Iron Co., Inc., Buffalo, N. Y.
Hydrex Novento Waterproofing Sheathing Paper. Hydrex Asphalt Products Corp., New York.
Hyd-Rex Packing. U. S. Rubber Co., New York.
Hydric Traps. Hydraulic Specialty Co., Philadelphia, Pa.
Hydro-Bar Paints. Hydro-Bar Waterproofing Co., New York.
Hydro Belting. Hudson Belting Co., Worcester, Mass.
Hydro-Carbon Paints. F. M. Cory & Co., Chicago.
Hydro-Carbonate Paint. Monarch Paint Co., Cleveland, O. Hascall Paint Co., Cleveland, O.
Hydro Gas Meters. Bacharach Industrial Instrument Co., Pittsburgh.
Hydro Heavy Duty Interwoven Belting. O'Meara Belting Co., Omaha, Neb.
Hydro Leather Belting. Hudson Belting Co., Worcester, Mass.
Hydro Packing Mfrs. Johns-Manville, Inc., New York.
Hydro Rubber Hose. Republic Rubber Co., Youngstown, O.
Hydro Pura Washing Powder. Schalk Chemical Co., Los Angeles.
Hydro-Carbonite Roofing Paints. Monarch Paint Co., Cleveland.
Hydroak Leather Belting. Hudson Belting Co., Worcester, Mass.
Hydroglo Lubricant. Crew Levick Co., Philadelphia, Pa.
wanda, N. Y.
Hydrocide Waterproofing Materials. L. Sonneborn Sons, New York.
Hydroil Cutting Compound. B. G. Pratt Co., New York.
Hydroil Internal Grinders. Greenfield Tap & Die Corp., Greenfield, Mass.
Hydroil Sheet Packing. Anchor Packing Co., Philadelphia, Pa.
Hydroil Water Oil Cutting Compound. B. G. Pratt Co., New York.
Hydroil C Fish and Sulphonated Oils. James S. Bent, Boston.
Hydrol Packing. Anchor Packing Co., Philadelphia.
Hydrolithic Waterproofing. The Vitrifyx Co., Chicago.
Hydrolox Liquid Waterproofing. National Roofing Co., Tonawanda, N. Y.
Hydro-Metal Castings. Dayton Mfg Co., Dayton, O.
Hydronizer Apparatus. Arthur A. Friestedt, Chicago.
Hydronon Damp Proofing. Barrett Co., New York.
Hydronon Waterproof Materials and Damp Resisting Paints. Barrett Co., New York.
Hydroplane Leather Belting. S. R. Sikes Co., Minneapolis, Minn.
Hydro-Pneumatic Accumulators. The Watson-Stillman Co., New York.
Hydro-Pneumatic Pumps and Cylinders. The F. E. Myers & Bro., Ashland, O.
Hydropressure Bottle Washing Machy. Loeu Mfg. Co., Cleveland, O.
Hydroseal Damp Proofing Compounds. Concrete Waterproof Paint Co., Philadelphia.
Hydroseal Paints. Concrete Waterproof Paint Co., Philadelphia, Pa.
Hydroset Foundation Waterproofing. National Builders Co., Cleveland, O.
Hydro-Stone Building Blocks. Hydro-Stone Co., Chicago.
Hydrovac Pumps. C. H. Wheeler Mfg. Co., Philadelphia, Pa.
Hydrowax Furniture Polish. B. G. Pratt Co., New York.
Hydrox Oil. Kali Mfg. Co., Philadelphia, Pa.
Hyduty Paulus Track Drills. The Buda Co., Harvey, Ill.
Hy-Duty Radiator Fans. Automotive Parts Co., Indianapolis, Ind.
Hyduty Tool Grinders. The Buda Co., Harvey, Ill.
Hyfield Safety Razor Blades Sharpening Machines. Hyfield Mfg. Co., New York.
Hyfire Fire Brick. Central Refractories Co., New Lexington, O.
Hygeia Acid Gloves and Mittens. Hygeia Respirator Co., Inc., New York.
Hygeia Filters. Hygeia Filter Co., Detroit, Mich.
Hygea Toilet Partitions. Hughes-Keenan Co., The, Mansfield, O.
Hygia Sanitary Drinking Fountains. Jas. B. Clow & Sons, Chicago.
Hygenia Floor Composition. National Hygienic Floor Co., St. Louis, Mo.
Hygenia Unions. Crane Co., Chicago.
Hygenic Paper Cuspidors. Stone & Forsythe Co., Boston, Mass.
Hygenol Liquid Soap. Hygenol Co., Minneapolis, Minn.
Hygiene Brass and Iron Bedsteads. Metal Furniture Co., Evansville, Ind.
Hygiene Fibre Bowl Brushes. Universal Brush Co., Freeport, Ill.
Hygiene Wool Wadding. Evans & Co., Lockport, N. Y.
Hygienic Faucet Filters. Seed Filter & Mfg. Co., New York.
Hygienic Kalsomine. Adams & Elting Co., Chicago.
Hygienic Wardrobes. The J. G. Wilson Corp., New York.
Hyglo Metal Polish Jno. T. Stanley, New York.
Hygrade Aluminum Ware. The Sterling Machine & Stamping Co., Wellington, O.
Hygrade Incandescent Electric Lamps. Capital Electric Co., Denver, Colo.
Hygrade Incandescent Gas Lamps. Hygrade Lamp Co., Salem, Mass.
Hygrade Leather Belting. C. R. Davis Co., Los Angeles.
Hygrade Safety Pins. Selmour Metal Goods Co., Seymour, Conn.
Hygrite Stencil Moistening Fluid. Louis E. Fuller, New York.
Hygrosso Humidifying Apparatus. Briggs-Shaffner & Co., Winston-Salem, N. C.
Hylite Disinfecting Plant. Tmco Mfg. Co., Inc., New York.
Hylo Incandescent Lamps. General Electric Co., Schenectady, N. Y.
Hyloplate Blackboards. Weber Costello Co., Chicago Heights, Ill.
Hy-Lo Tin Hand Lanterns. R. E. Dietz Co., New York.
Hylo Turn Down Electric Lamps. Economical Electric Lamp Div. of G. E. C., New York.
Hy-Namel Enameled Brick. Hydraulic Press Brick Co., St. Louis, Mo.
Hynson Bung Hole Borers. Hynson Tool & Supply Co., St. Louis, Mo.
Hynson's Champion Barrel Heaters. The Hynson Company, St. Louis, Mo.
Hy-O-Kre Coal For Disinfectant. Rochester Germicide Co., Rochester, N. Y.
Hy-Pol Polish. Adams & Elting Co., Chicago.
Hypowa Bolt Clippers, Wire Cutters, Pliers and Shears. Henry K. Porter, Everett, Mass.
Hy-Power Spark Timers. Bemford Auto Products Co., Mt.Vernon, N.Y.
Hypress Pressure Blowers. L. J. Wing Mfg. Co., New York.
Hypress Pumps. Hypress Pump Corp., Oakland, Cal.
Hyratio Gear Speed Reducers. Union Chain & Mfg. Co., Seville, O.
Hy Rib Steel Lathes. Trussed Concrete Steel Co., Youngstown, O.
Hyspeed Rock Drills. Sullivan Machinery Co., Chicago.
Hystatic Lightning Arresters. Railroad Accessories Corp., New York.
Hyster Tractor Hoists. Ersted Machy. Mfg. Co., Portland, Ore.
Hytempite Bonding Cement. Colonial Supply Co., Pittsburgh.
Hytempite Fire Brick Cement. Quigley Furnace Specialties Co., New York.
Hytempite Furnace Cements. Quigley Furn. Specialties Co., New York.
Hy-Ten Machine Steel Bars. Wheelock, Lovejoy & Co., Cambridge, Mass.
Hy-Tens Grinding Wheels. Precision Grinding Wheel Co., Philadelphia, Pa.
Hy-Ten-Si Manganese Bronze Alloys, Castings, Bronze Rods. American Manganese Bronze Co., Philadelphia.
Hytest Brick Cement. Hytest Cement Co., Philadelphia, Pa.
Hytest Fire Brick. Stevens Bros. & Co., Stevens Pottery, Ga.
Hytest Heat Resistant Enamel. The National Roofing Co., Tona-
Hy-tex Brick. Hydraulic-Press Brick Co., St. Louis, Mo.
Hy-Tone Radiophone Receivers and Amplifiers. Hy-Tone Radio Corp., San Francisco.

I

I Anti-Friction Babbitt Metal. A. Gilbert & Sons Brass Foundry Co., St. Louis, Mo.
I. B. C. Railway Materials. Drew Electric & Mfg. Co., Indianapolis, Ind.
I Beam Monorail System, Hangers and Switches. Cameron Engineering Co., E. Stroudsburg, Pa.
I. C. Motor Starters, Rheostats and Resistance Units Industrial Controller Co., Milwaukee, Wis.
I. C. F. Sash Weights. Iron Foundry Co, Lebanon, Pa.
I. C. I. Bit Brace Chucks and Easy Wringing Mops. I. C. Imboden Mfg. Co., Cleona, Pa.
I. C. P. Co. Carbon Paper. International Carbon Paper Co., New York.
I C Scarlet Chromes in Oil, Basic Chromes and White Lead in Oil. International Color & Chemical Co., Detroit, Mich.
I. C. U. Metal Polish. American Soap & Washoline Co., Cohoes, N. Y.
I-C Wood Preserver. Galbraith, Bacon & Co., Seattle, Wash.
I. D. L. Eyelets, Stationers Specialties and Eyelet Machines. Ideal Specialties Mfg. Co., New York.
I. I. & B. Co., Jacks, Jack Screws, Cast Iron Wagon Skeins, Pipe Vises and Tire Benders. Illinois Iron & Bolt Co., Carpentersville, Ill.
I. L. G. Ventilating Apparatus. Ilg Electric Ventilating Co., Chicago.
I. L. S. & C. Machine Wipers. L. Scheinman & Co., Detroit, Mich.
I M Pipe Fittings. Illinois Malleable Iron Co., Chicago.
I. N. Board for Electrical Insulation. West Virginia Pulp & Paper Co., New York.
I. O. C. High Pressure Valve. International Oxygen Co., New York.
I. O. C. Lubricating Oils and Greases. Invader Oil Co., New York.
I. O. C. System Hydrogen Generators. International Oxygen Co., New York.
I. O. Co. Lubricants. Iowa Oil Co., Dubuque, Ia.
I. O. P. Valve Discs. Strong Machinery & Supply Co., New York.
I-P Loose Leaf Books and Forms. Irving-Pitt Mfg. Co., Kansas City, Mo.
I. P. Morris Hydraulic Turbines. Wm. Cramp & Sons, Philadelphia.

I-R. Drill Steel. Ingersoll-Rand Co., New York.
I-Rite Pyrometers. Gibb Instrument Co., Pittsburgh.
I-T-E Circuit Breakers. The Cutter Company, Philadelphia, Pa.
I. T. S. Rubber Heels. The I. T. S. Rubber Co., Elyria, O.
I-V-I Record Systems. Index Visible, Inc., New Haven, Conn.
I. W. P. Waterproofing Materials. Imperial Water Proof Co., Chgo.
IX Dinner Pails. Sullivan-Geiger Co., Indianapolis, Ind.
I. X. L. Bed and Furniture Casters, Galvanized Pump Chains and Wire Fence Ratchets, Store Trucks, Wire Cloth Measuring Machines. O. P. Schriver & Co., Cincinnati, O.
I. X. L. Can Openers. Nicol & Co., Chicago; W. G. Browne Mfg. Co., Kingston, N. Y.
I. X. L. Canned and Preserved Fruits. H. Jones & Co., Oakland, Cal.
I. X. L. Car Wrenches. G. M. Gealy, Grove City, Pa.
I. X. L. Chain Pliers. O. P. Schriver Co., Cincinnati, O.
I. X. L. Collar Fasteners. North & Judd Mfg. Co., New Britain, Conn.
I. X. L. Cork Lined Faucets. John Sommer Faucet Co., Newark, N. J.
I. X. L. Cottonseed Oil. Am. Cotton Oil Co., New York.
I. X. L. Ensilage Cutters. U. S. Wind Eng. & Pump Co., Batavia, Ill.
IXL Faucets. John Sommer Faucet Co., Newark, N. J.
I. X. L. File Cleaners. Tragle Mfg. Co., Reading, Pa.
I. X. L. Floor Finish. Edward Smith & Co., Long Island City, N. Y.
I. X. L. Flooring. Wisconsin Land & Lbr. Co., Hermansville, Mich.
IXL Flush Tank Regulators. Modern Iron Works, Quincy, Ill.
I. X. L. Fruit and Maple Sugar Evaporators. Warren Evaporator Works, Warren, O.
I. X. L. Gears. Foote Bros. Gear & Machine Co., Chicago.
I. X. L. Hose and Packing. Chas. Nuhring & Co., Cincinnati, O.
I. X. L. Knives, Razors, Ink Erasers. Geo. Wostenholm & Son, New York.
I. X. L. Lathe Chucks. Westcott Chuck Co., Oneida, N. Y.
I. X. L. Lawn Mowers. Philadelphia Lawn Mower Co., Phila., Pa.
IXL Lubricators. Swift Lubricator Co., Elmira, N. Y.
IXL Oil Cups. Swift Lubricator Co., Elmira, N. Y.
I. X. L. Padlocks. Fraim-Slaymaker Hdwe. Co., Inc., Lancaster, Pa.
I. X. L. Paints. The Kay & Ess Co., Dayton, O.
I. X. L. Pipe Hangers. Sproul & McGurrin Co., Grand Rapids, Mich.
I. X. L. Piston and Sheet Packing. Chas. Nuhring & Bros., Cincinnati, O.
IXL Pump and Plumbing Supplies. IXL Pump & Mfg. Co., Phila., Pa.
I. X. L. Ready Asphalt Roofing. Chapman & Soden, Boston, Mass.
I. X. L. Reversible Ratchet Drills. Lowell Wrench Co., Worcester, Mass.
I. X. L. Safety Car Wrench. G. M. Gealy, Grove City, Pa.
I. X. L. Sewage Ejectors and Water Closets. I. X. L. Pump & Mfg. Co., Phliadelphia.
IXL Speed Reducers. Foote Bros. Gear & Machine Co., Chicago.
I-X-L Steel Overshoot Water Wheels. Fitz Water Wheel Co., Hanover, Pa.
IXL Tank Heaters and Windmills. Phelps & Bigelow Windmill Co., Kalamazoo, Mich.
IXL Tape. Westinghouse Electric & Mfg. Co., E. Pittsburgh, Pa.
I. X. L. Threading Machines. D. Saunders Sons, Yonkers, N. Y.
IXL Track Drills. Lowell Wrench Co., Worcester, Mass.
I. X. L. Trucks, Wire Stretchers. O. P. Schriver & Co., Cincinnati, O.
I. X. L. Windmills. I. X. L. Windmill Co., Kalamazoo, Mich.
I.X.L. Wires and Cables. Collyer Insulated Wire Co., Pawtucket, R. I.
I. X. X. X. Gill Box Cans. Hill James Mfg. Co., Providence, R. I.
I. & E. Pipe Dies. Reed Mfg. Co., Erie, Pa.
I. & L. Stump Pullers. Milne Mfg. Co., Monmouth, Ill.
I. & M. Fire Extinguishers. Ireland & Matthews Mfg. Co., Detroit, Mich.
Ibeco Belting. Imperial Belting Co., Chicago.
Ice King Water Coolers. Everson Filter Co., Chicago.
Ice Tong Grip Clamp Box and Packing House Trucks. California Canning Machinery Co., Riverside, Calif.
Ichabod Brass Lanterns. Plume & Atwood Mfg. Co., Waterbury, Conn.
Icicle Refrigerators. Icicle Refrigerator Co., Los Angeles, Calif.
Icy-Hot Vacuum Bottles. Icy-Hot Bottle Co., Cincinnati, O.
Idaho Cedar Poles. Sandpoint Lumber & Pole Co., Sandpoint, Idaho.
Idalia Vitroware Lavatory. Crane Company, Chicago.
Ideal Abrasive Wheels and Stones. The Scranton Whetstone & Abrasive Wheel Co., Scranton, Pa.
Ideal Adjustable Standards and Brackets. Knape & Vogt Mfg. Co., Grand Rapids, Mich.
Ideal Aeroplanes. Ideal Aeroplane & Supply Co., New York.
Ideal Air Compressors. Blaisdell Machinery Co., Bradford, Pa.
Ideal Air Tight Heaters and Gas and Oil Stove Ovens. A. Geisel Mfg. Co., St. Louis.
Ideal Alcohol Stoves. Thos. W. Houchin Co., New York.
Ideal Alloy. The Electrical Alloy Co., Morristown, N. J.
Ideal Alternating Current Gong. The R. Haas Electric & Mfg. Co., Springfield, Ill.
Ideal Ammonia Packing. Ideal Metallic Packing Co., Bayport, Minn.
Ideal Anti-Kink Tire Shrinkers. Rockford Mfg. Co., Rockford, Ill.
Ideal Arc Lamps, Generators. Ideal Electric & Mfg. Co., Mansfield, O.
Ideal Auto Stools. Bryan Novelty Mfg. Co., Bryan, O.
Ideal Automatic Car Coupler. U. S. Metal & Mfg. Co., New York.
Ideal Baggage Car Door Lock, Paint Sprayer, Rivet Forge Burner. Gustin-Bacon Manufacturing Co., Kansas City, Mo.
Ideal Barrows. Phillips Doup & Co., Brooklyn, N. Y.
Ideal Bath Brushes. Standard Brush Co., New Hartford, Conn.
Ideal Bed Springs. Foster Bros. Mfg. Co., Utica, N. Y.
Ideal Belt Fasteners. Hudson Belt Fastener Co., New York.
Ideal Bench Drilling Machines. Strong, Carlisle & Hammond Co., Cleveland.
Ideal Blanket Pins. F. E. Kohler Co., Canton, O.
Ideal Boilers. American Radiator Co., Chicago.
Ideal Bread and Pastry Boards. Imperial Mfg. Co., Cambridge, O.
Ideal Broom Holders. Franklin Brass Foundry Co., Reading, Pa.
Ideal Can Openers. Hamblin & Russell Mfg. Co., Worcester, Mass.; Parker Wire Goods Co., Worcester, Mass.
Ideal Can Openers. Parker Wire Goods Co., Worcester, Mass.
Ideal Candy Wrapping Machines. Ideal Wrapping Machine Co., Middletown, N. Y.
Ideal Car Mover. H. B. Sackett Screen & Chute Co., Chicago. Advance Car Mover Co., Appleton, Wis.
Ideal Car Wrench. H. B. Sackett Screen & Chute Co., Chicago.
Ideal Carbon Paper. Carter's Ink Co., Boston, Mass.
Ideal Carlines. Standard Railway Equipment Co., Chicago.
Ideal Carriage Curtain Lights. Metal Stamping Co., Long Island City.
Ideal Carriage Fasteners. C. Cowles & Co., New Haven, Conn.
Ideal Catchers. The Trolley Supply Co., Massillon, O.
Ideal Chain Adjusters. Frank Hamachek, Kewaunee, Wis.
Ideal Chain and Pipe Tongs, Wrenches. Kroeschell Bros. Co., Chicago.
Ideal China Painters Palettes. Stirrup Mfg. Co., Inc., Newark, N. J.
Ideal Chain Pumps. Ferguson Mfg. Co., Dubuque, Ia.
Ideal Clothes Line Holders. Midland Co., South Milwaukee, Wis.
Ideal Coffee Percolators, Enameled Ware, Cuspidors, Ice Cream Freezers. New England Enameling Co., Middletown, Conn.
Ideal Coffee Percolators, Fireless and Steam Cookers, Roasters and Baking Pans and Thermal Bath Cabinets. Toledo Cooker Co., Toledo, Ohio.
Ideal Commutator Resurfacer. Ideal Commutator Dresser Co., Chicago.
Ideal Concrete Building Block Machinery and Concrete Mixers. Ideal Concrete Machinery Co., Cincinnati, O.
Ideal Copper-nickel Wire. Electrical Alloy Co., Morristown, N. J.
Ideal Corn and Flour Mill Machy. B. F. Gump Co., Chicago.
Ideal Cornbrooms. Universal Broom Co., Chattanooga, Tenn.
Ideal Controllers. Cutler-Hammer Mfg. Co., Milwaukee, Wis.
Ideal Cotton Duster, Farm Implement. National Mfg. Co., Detroit.
Ideal Currycombs. Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Ideal Curtain Fasteners. C. Cowles Co., New Haven, Conn.
Ideal Curtain Stretchers. John B. Davis, Clinton, Me.
Ideal Daters. Ellis Time Stamp Co., Chicago.
Ideal Displaying Racks. Weston Paper & Mfg. Co., Dayton, O.
Ideal Dies. Ideal Foundry & Machinery Co., Beaver Falls, Pa.
Ideal Delay Action Exploders. Hercules Powder Co., Wilmington, Del.
Ideal Dog Biscuits. M. F. Marx Mfg. Co., Louisville, Ky.
Ideal Door or Cover Flush Rings. Stover Mfg. Co., Freeport, Ill.
Ideal Drain tile Machines. Farmers' Cement Tile Machine Co., St. Johns, Mich.
Ideal Draughting Tables. Fritz Mfg. Co., Grand Rapids, Mich.
Ideal Dust Guard. D. P. Co., New York.
Ideal Electrical Generators. Ideal Electric & Mfg. Co., Mansfield, O.
Ideal Electric Tools. Nell & Smith Electric Tool Co., Cincinnati, O.
Ideal Elevator Door Hardware. Richards-Wilcox Mfg. Co., Aurora, Ill.
Ideal Engine Lathes. Springfield Mach. Tool Co., Springfield, O.
Ideal Engines. A. L. Ide & Sons, Springfield, Ill.
Ideal Envelope and Stamp Moisteners. Sengbusch Self-Closing Inkstand Co., Milwaukee, Wis.
Ideal Expanded Metal Lath. The Youngstown Pressed Steel Company, Warren, O.
Ideal Expanders. Pearsall Co., New York.
Ideal Exploders. Hercules Powder Co., Wilmington, Del.
Ideal Extension Ladders. Rich Pump Co., Cincinnati, O.
Ideal Extractors and Separators. Plymouth Mfg. Co., Plymouth, O.
Ideal Feed Cookers. Star Tank Co., Goshen, Ind.
Ideal Fertilizer. Wilson & Toomer Fertilizer Co., Jacksonville, Fla.
Ideal Fireless Cookstoves and Food Conveyors. The Toledo Cooker Co., Toledo, O.
Ideal Floor Polishing Brushes. Duncan Bros. & Wray Co., Ludlow Falls, O.
Ideal Floor Scrubbers and Window Cleaners. W. J. Dennis & Co., Chicago.
Ideal Flooring. I. Stephenson Co., (Trustees), Wells, Mich.
Ideal Flue Cutters and Tube Expanders. Gustav Wiedeke & Co., Dayton, O.
Ideal Fruit Jars. Ball Bros. Co., Muncie, Ind.
Ideal Furnaces. Barber Mfg. Co., Ashtabula, O.
Ideal Garden Hose Reels. Cardington Cabinet Co., Cardington, O.
Ideal Garden Rakes. Cronk & Carrier Mfg. Co., Elmira, N. Y.
Ideal Gas Engines and Gasoline Hoists. Original Gas Engine Co., Lansing, Mich.
Ideal Gas Engines, Oil Rig Irons, Well Drilling Machinery and Slush Pumps. Union Tool Co., Torrance, Calif.
Ideal Gas Ranges. Eriez Stove & Mfg. Co., Erie, Pa.
Ideal Gasoline Hoists. Universal Hoist & Mfg. Co., Cedar Falls, Ia.
Ideal Generating Sets. Ideal Electric & Mfg. Co., Mansfield, O.
Ideal Grass Catchers. R. F. Krause, Zion City, Ill.
Ideal Grass Hooks. Wallingford Mfg. Co., Wallingford, Vt.
Ideal Grease Cups. Lunkenheimer Co., Cincinnati, O.
Ideal Grinders, Hinges, Jacks, Mills, Towers, Pumps, Regulators, Sawing Machines, Windmills. Stover Mfg. Co., Freeport, Ill.
Ideal Hand Leathers. Chicago Hand Leather Co., Chicago.
Ideal Hand Pump. Deming Co., Salem, O.
Ideal Hat Racks. Wire Goods Co., Worcester, Mass.
Ideal Hardware Specialties, Feed Grinding Mills, Flag Poles, Hot Air Registers, Ice Picks, Soldering Sets. Stover Mfg. & Engine Co., Freeport, Ill.
Ideal Heat Electric Irons and Water Heaters. Loetscher-Ryan Mfg. Co., Rock Island, Ill.
Ideal Hickory Stick Head Rules. Smith & Phillips Mfg. Co., Chicago.
Ideal Hoists, Pumps. Ideal Engine Co., Lansing, Mich.
Ideal Hose. Hamilton Rubber Mfg. Co., Trenton, N. J.
Ideal Hot Air Furnaces. Barber Mfg. Co., Ashtabula, Ohio; Kansas City Furnace Co., Kansas City, Mo.
Ideal Hunting Knives. Marble Arms & Mfg. Co., Gladstone, Mich.
Ideal Ice Cream Freezers. Garden City Plating & Mfg. Co., Chicago.
Ideal Ignition Cable. Empire Tire & Rubber Corp., Trenton, N. J.
Ideal Incubators. J. W. Miller Co., Rockford, Ill.
Ideal Inspectors' Lanterns. R. E. Dietz Co., New York.
Ideal Kitchen Sets, Can Openers and Knife Sharpeners. Am. Cutlery Co., Chicago.
Ideal Lamp Cord Adjusters. Trumbull Electric Mfg. Co., Plainville, Conn.
Ideal Land and Field Rollers. Weaver & Co., New Oxford, Pa.
Ideal Lawn Mower Grinders. The Fate-Root-Heath Company, Plymouth, O.
Ideal Lawn Mower Sharpeners. Luther Grinder Mfg. Co., Milwaukee.
Ideal Lawn Mowers. F. & N. Lawn Mower Co., Richmond, Ind.; Ideal Power Lawn Mower Co., Lansing, Mich.
Ideal Lawn Swings. Thornburgh Mfg. Co., Bowling Green, O.
Ideal Leather Belting. Akron Belting Co., Akron, O.; Kelly-Linehan Belting Co., San Francisco, Calif.
Ideal Lemon Squeezers. A. C. Williams Co., Ravenna, O.
Ideal Lubricating Greases and Oils. W. S. Sheppard, Newark, N. J.
Ideal Maple Flooring. I. Stephenson Co., Wells, Mich.
Ideal Massage Vibrators, Switchboards, Electro-mechanical Gongs. R. Haas Electric Mfg. Co., Springfield, Ill.
Ideal Medicine Cabinets. Ideal Reversible Hinge & Cabinet Co., St. Louis.
Ideal Metal and Stove Polish, Enamels, Etc. A. O. Bettes Mfg. Co., Kansas City, Mo.
Ideal Milk Pails. Creamery Package Mfg. Co., Chicago.
Ideal Oil Bearing Center Plate. Steel Car Forge Co., Pittsburgh, Pa.
Ideal Oil Pumps. American Lubricator Co., Detroit, Mich.
Ideal Oil Rig Irons. Union Tool Co., Torrance Calif.
Ideal Overhead Track Switches. J. Duncan Co., Everett, Mass.
Ideal Packing. Goetze Gasket & Packing Co., New Brunswick, N. J.; Ideal Metallic Packing Co., South Stillwater, Minn.
Ideal Packing and Gaskets. General Asbestos & Rubber Co., Charleston, S. C.

Ideal Paper Clips. Noesting Pin Ticket Co., Mt. Vernon, N. Y.; Cushman & Denison Mfg. Co., New York.
Ideal Portland Cements. Colorado Portland Cement Co., Denver, Colo
Ideal Pasteurizers. U. S. Bottlers' Machinery Co., Chicago.
Ideal Pipe Clamps. Wm. Moll, Cleveland.
Ideal Piston and Valve Rod Packing and Pump Governors. Ideal Automatic Governor Co., Newark, N. J.
Ideal Post Caps and Bases. Ideal Hanger Co., Cleveland.
Ideal Portable Grain Elevators. Luthy & Co., Peoria, Ill.
Ideal Pot Cover Repair Knobs. Graham & Berwin, New York.
Ideal Printing Press. R. A. Stewart & Co., New York.
Ideal Pump Governors. Atlas Valve Company, Newark, N. J.
Ideal Pump Valves. Lake Erie Mfg. Co., Buffalo, N. Y.
Ideal Push Button Floor Treads. Renim Specialty Co., Boston.
Ideal Receiving Condensers. Ideal Apparatus Co., Evansville, Ind.
Ideal Reducing Machines. Williams Patent Crusher & Pulverizer Co. St. Louis, Mo.
Ideal Reducing Wheels. Richard Thompson & Co., New York. John S. Bushnell & Co., New York.
Ideal Riveting Machines, Lawn Mower Sharpeners. Fate-Root-Heath Co., Plymouth, O.
Ideal Road Scraping Machines and Graders and Cast Iron Culverts. Galion Iron Works & Mfg. Co., Galion, O.
Ideal Rock Maple Floorings. I. Stephenson Co., Wells, Mich.
Ideal Roofing. The National Roofing Co., Tonawanda, N. Y.
Ideal Roofing Nails. American Steel & Wire Co., Chicago.
Ideal Rural Mail Boxes. C. G. Folsam Mfg. Co., South Bend, Ind.
Ideal Safety Hand Brake. W. H. Miner, Inc., Chicago.
Ideal Sanitary Envelope Moisteners. Sengbusch Self-Closing Inkstand Co., Milwaukee, Wis.
Ideal Sash Opening Device. Payson Mfg. Co., Chicago.
Ideal Saw Filing Machine. Henry Disston & Sons, Philadelphia.
Ideal Saw Swages. C. E. Atkins & Co., Inc., Indianapolis, Ind.
Ideal Screw Cutting Dies. Ideal Foundry & Machinery Co., Beaver Falls, Pa.
Ideal Seed Corn Dryers and Stock Fountains. National Mfg. Co., Des Moines, Ia.
Ideal Seeders and Sowers. Beaver Dam Mfg. Co., Beaver Dam, Wis.
Ideal Service Gas and Coal Range. Somerville Stove Works, Somerville, N. J.
Ideal Sheet Metal Farm Supplies. National Mfg. Co., Detroit, Mich.
Ideal Shop Broom. Western Brush Co., Detroit, Mich.
Ideal Silos. Pacific Pipe & Steel Co., San Francisco.
Ideal Silos and Steel Tanks and Towers. Bennett Bros., Co., Lowell, Mass.
Ideal Soot Blowers. Perfection Grate & Sup. Co., Springfield, Mass.
Ideal Spray Pumps. The F. E. Myers & Bro., Ashland, O.
Ideal Steam Engines. A. L. Ide & Sons, Springfield, Ill.
Ideal Steam Traps. Tillotson Humidifier Co., Providence, R. I.
Ideal Steam and Hot Water Heaters, Radiator Valves and Boilers. American Radiator Co., Chicago.
Ideal Steel Wool and Shavings and Abrasives. Am. Steel Wool Mfg. Co., New York.
Ideal Stencil Cutting Machines. Ideal Stencil Machine Co., Belleville Ill.
Ideal Switches. Ideal Switches Co., Plainville, Conn.
Ideal Tape. Mechanical Rubber Co., Cleveland, O.
Ideal Test Indicators. Johnson & Miller, New York.
Ideal Throttle Valves. Harrisburg Foundry & Machine Works, Harrisburg, Pa.
Ideal Thumb Tacks. Keuffel & Esser Co., Hoboken, N. J.
Ideal Tin Oil Pumps. R. E. Chapin Mfg. Works, Batavia, N. Y.
Ideal Tongs and Wrenches. Kroeschell Bros. Ice Machine Co., Chicago.
Ideal Tool Racks. Angle Steel Tool Co., Otsego, Mich.
Ideal Towel Racks. Taplin Mfg. Co., New Britain, Conn.; Wire Goods Co., Worcester, Mass.
Ideal Trolley Harps. Lumen Bearing Co., Buffalo, N. Y.
Ideal Trolley Wheels. Harvey-Hanes Machine Corp., The, Buffalo, N. Y.
Ideal Tube Mill Feeders. Abbe Engineering Co., New York.
Ideal Tubular Stands. Fowler-Manson-Sherman Cycle Mfg. Co., Chicago
Ideal Twine Holders. Introstile Mfg. Co., Marietta, O.
Ideal Umbrella Rack. The W. J. Clark Co., Salem, O.
Ideal Underfeed Stokers. The United Machine & Mfg. Co., Canton. O.
Ideal Vacuum Washer. Erie Metal Products Co., Erie, Pa.
Ideal Vaporator. H-O-B. Mfg. Co., The, Indianapolis, Ind.
Ideal Ventilators. Ideal Ventilator Co., Providence, R. I.
Ideal Ventilating Window Sash. Leonard Sheet Metal Works, Hoboken, N. J.
Ideal Vitreous Ware. Trenton Potteries Co., Trenton, N. J.
Ideal Wall Boards. Roberds Mfg. Co., Marion, Ind.
Ideal Washing and Rinsing Machines. S. S. Wenzell Machine Co., Philadelphia.
Ideal Washing Machine Valves. McMaster-Carr Supply Co., Chicago.
Ideal Whetstones and Oil Stones. Scranton Whetstone & Abrasive Wheel Co., Scranton, Pa.
Ideal Window Cleaner. W. J. Dennis & Co., Chicago.
Ideal Window Ventilators. Ideal Ventilator Co., Providence, R. I.
Ideal Wire Flue Brush. Worcester Brush & Scraper Co., Worcester, Mass.
Ideal Wire Mats. Keystone Wire Matting Co., Beaver Falls, Pa.
Ideal Woven Wire Fences. Elliott & Reid Co., Richmond, Ind.
Ideal Crown Bottle Openers. Ryede Specialty Works, Rochester, N. Y.
Ideal King Pipeless Furnaces. Kansas City Furnace Co., Kansas City, Mo.
Ideal Special Electric Elevator Motors. Ideal Electric & Mfg. Co., Mansfield, Ohio.
Ideal Syphon Regulators. American Radiator Co., Chicago.
Ideal Style A. Washing Machines. American Laundry Machy. Co., Cincinnati, Ohio.
Ideal Windows With Disappearing Sliding Screens. Ideal Mfg. Co., Los Angeles, Cal.
Ideal-O-Plane Aeroplane. Ideal Aeroplane & Supply Co., New York.
Ideco Derricks and Blocks for Derricks. International Derrick & Equipment Co., Columbus, Ohio.
Iderwhite Toilet Paper. Union Paper and Twine Co., Cleveland, O.
Idico Disinfectants. Ideal Disinfectant Corp., New York.
Ilanasilk Cushions. Robinson-Roders Co., Newark, N. J.
Iler Cupel Machines. Denver Fire Clay Co., Denver, Colo.
Iler Pulverizing Machinery. Iler Foundry & Mfg. Co., Cleveland, O.
Ilg Self-Cooled Motor Propeller Fans, Universal Blowers, and Ventilating Apparatus. Ilg Electric Ventilating Co., Chicago.
Ilgair Unit Heaters. Ilg Electric Ventilating Co., Chicago.
Iliffle Map Cabinets and Fixtures. Iliff & Co., John W., Chicago.
Iliffli Maps and Tacks. John W. Iliff & Co., Chicago.
Illini Closets. Crane Co., Chicago.
Illini Sheet and Strip Zinc. Illinois Zinc Co., Chicago.
Illingsworth Steel. John Illingsworth Steel Co., Philadelphia, Pa.
Illinois Automatic Valves and Radiator Vents. Jas. P. Marsh & Co., Chicago.
Illinois Boiler Compounds. Illinois Boiler Cleaning Compound Co., Chicago.
Illinois Chain Grate Stokers and Boiler Arches. Illinois Stoker Co., Alton, Ill.
Illinois Cottonseed Oils. E. St. Louis Cotton Oil Co., E. St. Louis, Ill.
Illinois Drilling Machines. Illinois Iron & Bolt Co., Carpentersville, Ill.
Illinois Grain Drills. Peoria Drill & Seeder Co., Peoria, Ill.
Illinois Hay Rack Clamps. Louden Machinery Co., Fairfield, Ia.
Illinois Machines. Illinois Tool Works, Chicago.
Illinois Road Scrapers. Western Wheeled Scraper Co., Aurora, Ill.
Illinois Sandwich Pole, Telephone Changes. Sandwich Pole Changer Co., Sandwich, Ill.
Illinois Steam Specialties. Illinois Engineering Company, Chicago.
Illinois Steam and Water Heaters. Illinois Malleable Iron Co., Chgo.
Illinois Valves. Illinois Engineering Co., Chicago; James P. Marsh & Co., Chicago.
Illinois Weatherproof Wire. Illinois Wire & Cable Co., Sycamore, Ill.
Illinois Wire and Cable. Illinois Wire & Cable Co., Sycamore, Ill.
Illinois Zinc Shingles. Illinois Zinc Co., Chicago.
Illustrator Lantern. Williams, Brown & Earle, Inc., Philadelphia, Pa.
Imco Insulating Compounds and Waxes. Insulating Material Co., Detroit, Mich.
Imico Illinois Heating, Steam and Hot Water Boilers and Unions. Illinois Malleable Iron Co., Chicago.
Imico Steam Heaters, Laundry Stoves and Unions. Malleable Iron Co., Chicago.
Immersed Valve Boiler Feeders. Nason Mfg. Co., New York.
Imp Flattening Stone. F. M. Souder, Millville, N. J.
Imp Gasoline Blow Torches. Carleton Co., Boston.
Imp Magnetos. Sumter Electrical Wks., Sumter, S. C.
Imp Radio Jacks; Plugs. Carter Radio Co., Chicago.
Impaco Paints, Varnishes, Compounds. Imperial Paint Co., New York.
Impact Air Washers; Spray Nozzles. The Cooling Tower Co., Inc., New York.
Imperator Filtering Pulp. Hirsch and Schofield, Inc., New York.
Imperial Air Compressors. Ingersoll-Rand Co., New York.
Imperial Air Valves and Floor and Ceiling Plates. W. A. Russell & Co., New York.
Imperial Alfalfa Cultivators, Harrows, Celery Hillers, Potato Cutters, Plow and Potato Diggers. Bucher & Gibbs Plow Co., Dept. H, Canton, Ohio.
Imperial Asbestos Pipe. H. F. Watson Co., Erie, Pa.
Imperial Auto. Accessories. Imperial Bit & Snap Co., Racine, Wis.
Imperial Automobile Bumpers. L. P. Halladay Co., Decatur, Ill.
Imperial Bath Tubs. Kohler Co., Dept H, Kohler, Wis.
Imperial Belt Dressing. J. Bachmann & Co., New York.
Imperial Belting. Chicago Belting Co., Chicago.
Imperial Blast Forges. Champion Blower & Forge Co., Lancaster, Pa.
Imperial Boiler Coating. Crown Mfg. Co., Cleveland, O.
Imperial Brand Roofing. H. F. Watson Co., Erie, Pa.
Imperial Brass Compression Couplings, Gasoline Strainers Self-Healing Sad Irons, Pressure Regulators. Imperial Brass Mfg. Co., Chicago.
Imperial Burnishing, Drying and Polishing Machines. Smith, Richardson Co., Attleboro, Mass.
Imperial Bridle Bits, Hame Clips, Hangers, Hooks, Snaps and Lawn Trimmers. Imperial Bit & Snap Co., Racine, Wis.
Imperial Chain Hoists. Franklin Moore Co., Winsted, Conn.
Imperial Blue Granite. Woodbury Granite Co., Hardwick, Vt.
Imperial Chrome Black. Chas. H. Reisig, New York.
Imperial Crystal Rolling Pins. Imperial Mfg. Co., Cambridge, Ohio.
Imperial Cleaners and Renovators. Wilson-Imperial Co., Newark, N. J.
Imperial Clocks. Imperial Clock Co., St. Louis, Mo.
Imperial Commutator Stones; Commutator Grinder; Undercutter (for Commutators), Commutator Cement; Portable Electric Blower; Rust Solvent. The Martindale Electric Co., Cleveland.
Imperial Cooking Apparatus. Duparquet, Huot & Moneuse Co., New York.
Imperial Cotton Rope Twine. Wm. E. Hooper & Sons, Baltimore, Md.
Imperial Coupler Centering Device and Type B Release Rigging. Union Metal Products Co., Chicago.
Imperial Desk Telephone Brackets. Stanley & Patterson, New York.
Imperial Deep Well. F. E. Myers & Bros., Ashland, Ohio.
Imperial Excelsior Gas Ranges. Isaac A. Sheppard & Co., Baltimore.
Imperial Headlight, Electric. Crouse, Hinds Co., Syracuse, N. Y.
Imperial Flint Paper. Minnesota Mining & Mfg. Co., Chicago.
Imperial Floodlight Projectors and Reflectors. Crouse-Hinds Co., Syracuse, N. Y.
Imperial Floor and Ceiling Plates. W. A. Russell & Co., New York
Imperial Forty Farm Tractors. Imperial Machine Co., Minneapolis.
Imperial Friction Clutches. Wolfe Co., Chambersburg, Pa.
Imperial Flue Stops. Roseland Can & Specialty Co., Rockford, Ill.
Imperial Furnaces. Forest City Fdry. & Mfg. Co., Cleveland, O.
Imperial Glue. Imperial Glue Co., San Francisco.
Imperial Grain Drills. La Crosse Plow Co., La Crosse, Wis.
Imperial Grinders. Clizbe Bros. Mfg. Co., Plymouth, Ind.
Imperial Harness Hooks. Wickwire Spencer Steel Corp., Worcester, Mass.
Imperial Headlights (Electric Railway and Mine Locomotive). The Ohio Brass Co., Mansfield, O.
Imperial Hot Air Furnaces. Forest City Foundry & Mfg. Co., Cleveland, Ohio.
Imperial Hypodermic Syringes and Imperial Needles. Randall-Falchney Co., Boston.
Imperial Kromax Leather Belting. Chas. Bond Co., Philadelphia, Pa.
Imperial Lawn Mowers. Coldwell Lawn Mower Co., Newburg, N. Y.
Imperial Lawn Sprinklers. American Foundry & Mfg. Co., St. Louis.
Imperial Lawn Swings. Goshen Churn & Ladder Co., Goshen, Ind.
Imperial Leaded Glass Shades. Unique Art Glass & Metal Co., Brooklyn, N. Y.
Imperial Leather Belting. Plant Rubber Co., Minneapolis, Minn., New York Leather Belting Co., New York.
Imperial Maple Flooring. East Jordan Lumber Co., E. Jordan, Mich.
Imperial Metal Culverts. Dominion Metal Products Co., Roanoke, Va.; Florida Metal Products Co., Jacksonville, Fla.
Imperial Metal Polish. Rath Mfg. Co., Philadelphia, Pa.
Imperial Metal Shingles. Cortright Metal Roofing Co., Philadelphia.
Imperial Mortar Colors. Imperial Paint Co., Long Island City, N. Y.
Imperial Office Chairs, Desks and Tables. The Imperial Desk Co. Evansville, Ind.
Imperial Oil Pumps and Force Feed Lubricators. Lunkenheimer Co., Cincinnati, Ohio.
Imperial Oxy-Acetylene Apparatus. Imperial Brass Co., Chicago.

Imperial Packing, Belting, Cotton and Rubber Hose, Deckle Straps. Boston Belting Corp., Boston.
Imperial Paints. North American Graphite Paint Co., Detroit, Mich
Imperial Padlocks. Fraim-Slaymaker Hdwe Co., Inc., Lancaster, Pa.
Imperial Petroleum Products. Imperial Oil Marketing Products, Tulsa, Ohio.
Imperial Plaster and Wall Finish. United States Gypsum Co., Chgo.
Imperial Platform Lanterns. R. E. Dietz Co., New York.
Imperial Plows. Bucher & Gibbs Plow Co., Canton, O.
Imperial Pneumatic Tools, Air Hoists, Air Compressors, Vacuum Pumps. Ingersoll-Rand Co., New York.
Imperial Portable Lamp Guard. McGill Mfg. Co., Valparaiso, Ind.
Imperial Pressed Brick Siding. Milwaukee Corrugating Co., Milwaukee, Wis.
Imperial Prismatic Glass. Pressed Prism Plate Glass Co., Morgantown, W. Va.
Imperial Pruning Shears. Smith, Seymour & Son, Oakville, Conn.
Imperial Pumps, Spray Pumps and Hay Tools. The F. E. Myers & Bro., Ashland, O.
Imperial Rail Benders. Martin Hartsocg Co., Pittsburgh, Pa.
Imperial Riveted Corrugated Metal Culverts. The Canton Culvert & Silo Co., Canton, O.
Imperial Roofing. Imperial Roofing Mfg. Co., Chicago.
Imperial Roofing Tile. Ludowici-Celadon Co., Chicago.
Imperial Rubber Coated Cloth. Rosenwald & Weil, Chicago.
Imperial Rubber Goods. Boston Belting Co., Boston, Mass.
Imperial Rubber Mats. W. H. Salisbury & Co., Inc., Chicago.
Imperial Rubber Tires, Inner Automobile Tubes, Tire Vulcanizers. McGraw Tire & Rubber Co., East Palestine, Ohio.
Imperial Safety Cylinder. Imperial Machinery Co., Grand Rapids Mich.
Imperial Silk Bolting Cloth. Holmes & Blanchard, Boston.
Imperial Soda Fountains. Knight Light & Soda Fountain Co., Chicago
Imperial Special High Speed Steel. Edgar Allen & Co., Ltd., Chicago
Imperial Spray Nozzles. F. E. Myers & Bro., Ashland, Ohio.
Imperial Star Lubricating Oils and Greases. A. W. Harris & Co., New York.
Imperial "Super-Smokeless" Steam and Hot Water Boilers. Utica Heater Co., Utica, N. Y.
Imperial Steam and Hot Water Heaters. Messinger Mfg. Co., Tatamy, Pa.; Utica Heater Co., Utica, N. Y.
Imperial Steel Fire Brick. Kentucky Fire Brick Co., Portsmouth, O.
Imperial Sunshine Steam Heaters. Reading Scale & Machine Co., Reading, Pa.
Imperial Tanks and Windmills. Foos, Mast & Co., Springfield, O.
Imperial Terra Cotta Roof Tiles. Ludowici-Celadon Co., Chicago.
Imperial Tie Tampers and Hammers. Ingersoll-Rand Co., New York
Imperial Tinware. Schlueter Mfg. Co., St. Louis.
Imperial Urinal Stalls. J. L. Mott Iron Works, Trenton, N. J.
Imperial Vacuum Pumps. Ingersoll-Rand Co., New York.
Imperial Ventilators. C. A. Weimer, Lorain, Ohio.
Impervio Vitreous China. Trenton Potteries Co., Trenton, N. J.
Imperial Water Filters. Imperial Filter Co., St. Louis, Mo.
Imperial Waterproofing. Brooks & Doerr, San Francisco.
Imperial White and Red Lead. Robert Shoemaker & Co., Phila., Pa.
Imperial Windmills. Mast, Foos & Co., Springfield, Ohio.
Imperial Wire Pullers. Dicke Tool Co., Downer's Grove, Ill.
Imperial-Wixon Tire Air Pumps. Imperial Brass Mfg. Co., Chicago.
Impervio Water Closet Tanks. Trenton Potteries Co., Trenton, N. J.
Impervious Grate Bars. Thomas Grate Bar Co., Birmingham, Ala.
Impervite Refractory Porcelains, Pyrometer Tubes, Etc. Chas Engelhard, Inc., New York.
Impervo Waterproofing Materials. Preservative Pro. Co., New York
Impervol Paint Oil. Impervious Varnish Co., Pittsburgh.
Imp-O-Line Oils and Greases. James H. Morris, Rosedale, Kan.
Impregnite Insulating Varnishes. Standard Varnish Co., New York.
Improved Aeolus Tire Pumps. Bridgeport Brass Co., Bridgeport, Conn
Improved Alma Wire Flue Brush. Worcester Brush & Scraper Co., Worcester, Mass.
Improved American Giant Dynamos. The Connecticut Dynamo & Motor Co., Irvington, N. J.
Improved Babbitt Metal. More-Jones Brass & Metal Co., St. Louis, Mo
Improved Barnstead Stills. Barnstead Mfg. Co., Boston.
Improved Big Pin Switches. Bethlehem Steel Company, Bethlehem, Pa.
Improved Capital Water Power Clothes Washer. Blackstone Mfg. Co., Jamestown, N. Y.
Improved Carmer Release Rigging. Union Metal Products Co., Chicago.
Improved Cincinnati Air Compressor. Laidlaw-Dunn-Gordon Co., New York.
Improved Claws and Wrenches. Whitman & Barnes Mfg. Co., Akron, O
Improved Cyclone Mechanical Dust Collectors. Western Blow Pipe & Sheet Metal Co., St. Louis.
Improved Daisy Cooking Ranges. B. C. Bibb Stove Co., Baltimore.
Improved Eagle Motor Mowers, Walking and Riding Types. Phila. Lawn Mower Co., Philadelphia.
Improved Electric Sprinkler Hose. Electric Hose & Rubber Co., Wilmington, Del.
Improved Engine Lubricators. American Lubricator Co., Detroit.
Improved Excelsior Panning Mills. Johnson & Field Mfg. Co., Racine, Wis.
Improved Floor Plates. Matthews Mfg. Co., Worcester, Mass.
Improved Flue and Tube Expanders. Faessler Mfg. Co., Moberly, Mo
Improved Force Rubber Cups and Window Cleaners. Allan J. Coleman, Chicago.
Improved Gas Burning Appliances. Combustion Utilities Corp., Brooklyn, N. Y.
Improved Gas Engine Lubricators. American Lubricator Co., Detroit, Mich.
Improved Glue Heater. Cincinnati Glue Heater Co., Cincinnati, O
Improved Giant Steam and Hot Water Heaters. Pierce, Butler & Pierce Mfg. Corp., New York.
Improved Grate. Traverse City Iron Works, Traverse City, Mich.
Improved Handy Furnace Pipe and Fittings. F. Meyer & Bro. Co., Peoria, Ill.
Improved Hydraulic Presses and Paper Stock Thickening Machines. Ticonderoga Machine Works, Ticonderoga, N. Y.
Improved Ingalls Boiler Tube Cleaner. Worcester Brush & Scraper Co., Worcester, Mass.
Improved Locksmith Screw Drivers. Braunsdorf-Mueller Co., Elizabeth, N. J.
Improved Louisville Hand Bottle Filling Machines. U. S. Bottlers' Machy. Co., Chicago.
Improved Maryland Cooking Ranges. B. C. Bibb Stove Co., Baltimore, Md.
Improved Meridian Wheel Garden Hoes. Everts Mfg. Co., Meridian, N.Y.
Improved Mirror Cooking Ranges. B. C. Bibb Stove Co., Baltimore.
Improved Military Rifle Powder Nos. 15, 16, 18, 20. E. I. du Pont de Nemours & Co., Inc., Explosives and Smokeless Powder Depts., Wilmington, Del.
Improved Monitor Self-Heating Sad Irons. Monitor Sad Iron Co., Big Prairie, Ohio.
Improved O. G. Fir Gutters. E. M. Long & Sons, Cadiz, O.
Improved Ohio Die Stocks. The Borden Company, Warren, O.
Improved Oil Filters. Strong Mach'y & Sup. Co., New York.
Improved Ore Feeders. Kennedy-Van Saun Mfg. & Eng. Corp., New York.
Improved Packard Vacuum Pumps. Norman Hubbard's Sons, Brooklyn, N. Y.
Improved Perfect Clinching Hose Menders and Hose Couplings. Peoria Can Co., Peoria, Ill.
Improved Perfection Fire Extinguisher. Edw. E. McMorran & Co., Chicago.
Improved Phila. Seaman Power Ice Cream Freezers. North Bros. Mfg. Co., Philadelphia.
Improved Phillips Window Frame Machines. Atlas Mfg. Co., Orlando, Fla.
Improved Pig Iron Casting Machines. The Pittsburgh Coal Washer Co., Pittsburgh, Pa.
Improved Re-new-disc Brass Valves. The Kelly & Jones Co., Greensburg, Pa.
Improved Royal Rural Mail Boxes. Geo. B. Swan, Mattoon, Ill.
Improved Safety Head Angle Bars. Lackawanna Steel Co., Lackawanna, N. Y.
Improved Samson Jacks. Oliver Mfg. Co., Chicago.
Improved Screw Plates. S. W. Card Mfg. Co., (Div. of Union Twist Drill Co.), Mansfield, Mass.
Improved Sewer Jacks. Bottomley Machine Co., Alliance, O.
Improved Shield Cement. Lawrence Port. Cement Co., Siegfried, Pa.
Improved Sight Feed Hand Riveting Machines. F. H. Smith Mfg. Co., Chicago.
Improved Siphons. Riverside Foundry Co., Kalamazoo, Mich.
Improved St. Louis Trolley Wire Pick-Ups. Electric Service Supplies Co., Philadelphia.
Improved Suction Force and Lift Pumps. Allan J. Coleman, Chgo.
Improved Switches. Bethlehem Steel Co., Bethlehem, Pa.
Improved Victor Incubators and Brooders. Geo. Ertel Co., Quincy, Ill.
In A Dor Wall Beds. Murphy Door Bed Co., Chicago.
Inajiffi Gasoline Treatment. Inajiffi Fuel Agency, Detroit, Mich.
"Inanout" Double Acting Collet. Morrison Machine Products, Inc., Rochester, N. Y.
Inca Garden Hose. Hewitt Rubber Co., Buffalo, N. Y.
Incinerite Garbage and Refuse Destroyer. E. C. Stearns & Co., Syracuse, N. Y.
Inclinometers. Young-Fischer Inclinometer Co., Milwaukee, Wis.
Inco Monel Metal and Nickel Products. International Nickel Co., New York.
Incomparable Soldering Fluids. Reade Mfg. Co., Hoboken, N. J.
Inco Paints. International Paint Corp., East St. Louis, Mo.
Indelible Cold Water Paint. The Muralo Co., New Brighton, N. Y.
Independence Brattice Cloth. Colonial Supply Co., Pittsburgh.
Independence Felt Buffing and Polishing Wheels. Eastern Felt Co., Winchester, Mass.
Independence Roller Bearing Lawn Mower. Phila. Lawn Mower Co., Philadelphia, Pa.
Independence Wood Split Pulleys. Dodge Mfg. Corp., Mishawaka, Ind.
Independent Cement Plasters. Acme Cement Plaster Co., St. Louis, Mo.
Independent Daters. R. A. Stewart & Co., New York.
Independent Gauges. National Gauge & Equipment Co., La Crosse, Wis.
Independent Gypsum Products. Acme Cement Plaster Co., St. Louis, Mo.
Independent Log Jacks. Diamond Iron Works, Minneapolis, Minn.
Independent Motor Trucks. Independent Motor Truck Co., Davenport, Ia.
Independent Mowers. Independent Harvester Co., Plano, Ill.
Independent Pocket Stamps. Ellis Time Stamp Co., Chicago.
Independent Pressure Gauges. National Gauge & Equip. Co., La Crosse, Wis.
Independent Scythe Snaths. Fenn Mfg. Co., Charlotte, Mich.
Independent Sight Flow Indicators. Lunkenheimer Co., Cincinnati.
Independent Shaker Screens. Morrow Mfg. Co., Wellston, Ohio.
Indestructene Hose and Belting. Combination Rubber Mfg. Co., Bloomfield, N. J.
Indestructible Air-Tool, Water and Steam Hose, White Sheet Packing. New York Belting & Packing Co., New York.
Indestructible Ammeters. American Coil Co., Foxboro, Mass.
Indestructible Asbestos-Lined Copper Gaskets. U. S. Indestructible Gasket Co., New York.
Indestructible Belt. Empire Tire & Rubber Mfg. Corp., Trenton, N. J.
Indestructible Blow-Off Valves. A. W. Cadman Mfg. Co., Pittsburgh, Pa.
Indestructible Cement Roofing Tile. Fedl Cement & Tile Co., Chicago.
Indestructible File and Tool Handles. Osgood Tool Co., Buffalo, N. Y.
Indestructible Oil Cups. U. S. Metallic Packing Co., Philadelphia, Pa.
Indestructible Packing, Hose and Belting. New York Belting & Packing Co., New York.
Indestructible Signs. The Indestructible Sign Co., Columbus, O.
Indestructible Steel Door Handles, Fulcrums, Stake Pockets. Damascus Brake Beam Co., Cleveland, O.
Indestructible Steel Gongs. P. Wall Mfg. Supply Co., Pittsburgh, Pa.
Indestructible Tool Handles. J. L. Osgood Tool Co., Buffalo, N. Y.
Indestructible Vellum. Williams, Brown & Earle, Inc., Phila, Pa.
Indestructine Belting. Combination Rubber Mfg. Co., Bloomfield, N. J.
Indestructo Hampers and Trunks. National Veneer Products Co., Mishawaka, Ind.
Index Indicating Switch Handle. Bryant Electric Co., Bridgeport, Conn.
Index Lift Pumps. Rumsey & Co., Ltd., Seneca Falls, N. Y.
Index Visible Index and Guide and Filing Cabinets and Devices. Index Visible, Inc., New Haven, Conn.
Indexograph Addressing and Mailing Machine. Rapid Addressing Machine Co., New York.
India Lacquer. M. L. Barrett & Co., Chicago.
India Lead Pencils. American Lead Pencil Co., New York.
India Oil Stones. Pike Mfg. Co., Pike, N. H.
India Packing. A. W. Chesterton Co., Boston.
Indian Alarm Clocks. E. Ingraham Co., Bristol, Conn.
Indian Chief Vises. Columbus Forge & Iron Co., Columbus, O.
Indian Core Packing. Mulconroy Co., Philadelphia, Pa.
Indian Cotton Belting. O'Meara Belting Co., Omaha, Neb.
Indian Cotton Wicking. Bishop Mfg. Co., Robt., Boston, Mass.
Indian Glass Cutters and Nail Pullers. Smith & Hemenway Co., Inc., New York.
Indian Head Pressure Gauges. National Gauge & Equipment Co., La Crosse, Wis.
Indian Hold Connections. Associated Manufacturers Co., Waterloo, Ia.

Indian Kerosene. Indian Refining Co., New York.
Indian Motor Cycles, Bicycles and Side Cars. Hendee Mfg. Co., Springfield, Mass.
Indian-Red Belt; Packing. The Diamond Rubber Co., Inc., Akron, O.
Indian Rubber Hose. Voorhees Rubber Mfg. Co., Jersey City, N. J.
Indian Rubber Roofing. Western Ellaterite Roofing Co., Denver, Colo
Indian Tan Buckskin Lace Leather. Cal. Tanning Co., St. Louis, Mo.
Indian Tan Lace Leather and Cut Lacing. Chicago Rawhide Mfg. Co., Chicago.
Indian Tanned Belting, Lacing. Bay State Belting Co., Boston, Mass.
Indian Wood Preservatives. Indian Refining Co., New York.
Indian Brand Manganese Steel Castings. Frog Switch & Mfg. Co., Carlisle, Pa.
Indian Chief Blacksmiths Vises. Boker Cutlery & Hardware Co., New York; Columbus Forge & Iron Co., Columbus, O.
Indian Chief Paints. Am. Paint Products Co., Los Angeles.
Indian Girl Canoes. Sidney P. Rushton, Canton, N. Y.
Indian Head Pot Cover Repair Knobs. Graham & Berwin, New York.
Indian Queen Gas Ranges. Eriez Stove & Mfg. Co., Erie, Pa.
Indiana Air-Lift, Separator, Displacement and Impeller Pumps. Indiana Air Pump Co., Indianapolis, Ind.
Indiana Auto Tires. Indiana Rubber & Ins. Wire Co., Jonesboro, Ind.
Indiana Blowers. Indiana Fan Co., Indianapolis, Ind.
Indiana Cast Wagon Skeins. American Skein & Fdry. Co., Racine, Wis.
Indiana Curb Forms. Indiana Concrete Mold Co., Peru, Ind.
Indiana Die Castings. Indiana Die Casting Co., Indianapolis, Ind.
Indiana Farm Tractors. Star Tractor Co., Findley, O.
Indiana Farm Wagons. Indiana Wagon Co., Lafayette, Ind.
Indiana Grain Drills. Rude Mfg. Co., Liberty, Ind.
Indiana Hard Wood Flooring. North Vernon Lumber Co., North Vernon, Ind.
Indiana Motor Trucks. Indiana Truck Co., Marion, Ind.
Indiana Silos. Chas. K. Spaulding Logging Co., Portland, Ore.
Indiana Tractors. Indiana Silo & Tractor Co., Anderson, Ind.
Indiana Volume Blowers and Exhausters. Indiana Fan Co., Indianapolis, Ind.
Indiana Woven Wire Fences. Kokomo Steel & Wire Co., Kokomo, Ind.
Indianapolis Fencing. Kokomo Steel & Wire Co., Kokomo, Ind.
Indianapolis Portable Electric Welders, Track Appliances. Indianapolis Switch & Frog Co., Springfield, O.
Indianapolis Sanitary Kraut and Slaw Cutters. Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
Indianapolis Springs. Indianapolis Bolster Spring Co., Indianapolis, Ind.
Indicating Calipers. Indicating Calipers Corp., New York.
Indirect Water Coil Heaters. Stack Heater Co., Boston.
Individuality Electric Illuminated Signs. Greenwood Advertising Co., Knoxville, Tenn.
Indurite Liquid Concrete Hardener. Ceresit Waterproofing Corp., Succeeding Crescent Sales & Mfg. Co., Chicago.
Indruroid Asphalt Roofing. H. F. Watson Co., Erie, Pa.
Industrial Brand Gloves, Mittens, Leggings and Aprons. **Industrial Gloves Corp. (Owner of Hickory Steel Grip Glove Co., Inc.), Chicago.**
Industrial Generators and Battery Chargers. Industrial Electric Co., Los Angeles, Cal.
Industrial Sand Blasting Gloves. Hickory Steel Grip Glove Co., Chicago.
Industrial Sickle Grinders. National Dairy Mach. Co., Goshen, Ind.
Industrial Works Cranes. A H Hopkins & Co., Montreal, Canada
Industrielle Workmen's Goggles. Strauss & Buegeleisen, Brooklyn, N. Y.
Industro Can Openers. Sure Seal Bottle Capper Co., Chicago.
Industrolite Factory Lighting Fixtures. The Brascolite Company, Division of St. Louis Brass Mfg. Co., St. Louis, Mo.
Industrolite Lighting Fixtures. Brascolite Co., St. Louis, Mo.
Ineeda Flag Pole Brackets. Wilcox Crittenden & Co., Inc., Middletown, Conn.
Infallible Smokeless Shotgun Powder. Hercules Powder Co., Wilmington, Del
Infuso Case and Steel Hardening. Steel Improvement & Forge Co., Cleveland, O.
Ingalls Boiler Flue and Tube Scrapers. A. W. Chesterton & Co., Boston, Mass. Newark Brush & Scraper Co., Newark, N. J. F. W. Browne, Farmington, N. H. Worcester Brush & Scraper Co., Worcester, Mass.
Ingalls Brushes. Worcester Brush & Scraper Co., Worcester, Mass.
Ingersoll Milling Machines. Ingersoll Milling Mach. Co., Rockford, Ill
Ingersoll-Rogler Air Compressors, Vacuum Pumps. Ingersoll-Rand Co., New York.
Ingham Drag Road Scrapers. The Lansing Company, Lansing, Mich.
Ingle Hotel and Restaurant Ranges, Rotary Ovens, Furnaces, Water Heaters and Oil and Gas Burners. Ingle Mfg. Co., San Diego.
Inglis' Patent Boilers. Thos. Skinner, Seattle, Wash
Ingot Core Wash. Smith Facing & Supply Co., Cleveland.
Injecto Circulating Pump for Fords. Schurs Oil Burner Co., Los Angeles.
Ingreesalite Enamel Paints. Keystone Varnish Co., Brooklyn, N. Y.
Ing-Rich Porcelain Enameled Iron Signs and Specialties. Ingram-Richardson Mfg. Co., Beaver Falls, Pa.
Inklets Tablet Inks. General Eclipse Co., Danielson, Conn.
In-ko-graf Prints. E. G. Soltman, New York.
Inky Racer Ink Eradicator. Carter's Ink Co., Boston.
In-Lade Asphalt Ready Roofing. Amalgamated Roofing Co., Chicago.
Inland Copper Alloy Products. Sheets, Roofing and Siding, for Culverts, Bridge Decking, Plates. Inland Steel Company, Chicago.
Inland Ladders and Wheelbarrows. Inland Mfg. Co., Fresno, Cal.
Inland One-Piece Piston Ring. Inland Machine Works, St. Louis, Mo.
Inland Pig Iron. Inland Steel Co., Chicago.
Inland Piston Pins. Inland Products Co., St. Louis, Mo.
Innercoat Waterproof Wrapping Paper. Angler Corp., Dept. H, Framingham, Mass.
Inner Duck Belting. Hettrick Mfg. Co., Toledo, O.
Inner-tex Leather Belt. W H Salisbury & Co., Inc., Chicago.
Innerstrung Waterproof Wrapping Paper. Angler Corp., Dept. H, Framingham, Mass.
Innovate Lamp Cord Adjusters. McGill Mfg. Co., Valparaiso, Ind.
Insector Machines and Tablets. West Disinfecting Co., New York.
Inside Port Lights, Stuffing Boxes. Thos. Laughlin Co., Portland, Me.
Instant Paint and Varnish Remover. Perry-Austen Mfg. Co., Grassmere, S. I., N. Y.
Instanta Storage Hot Water Generators, Feed Water Heaters. Griscom Russell Co., New York.
Instantseat Piston Rings. Krasberg Piston Ring Co., Chicago.
Insto Soap Chips. J. Eavenson & Sons, Camden, N. J.
Insto Soap Powders and Soap. Insto Co., Los Angeles.
Insto Time Stamps and Dating Machines. Automatic Electrical Machine Co., Inc., Oakland, Cal.
Insula Reclaimed Rubber. U. S. Rubber Reclaiming Works, New York.
Insulate Molded Heat-Proof Insulation Telephone Mouthpieces and Receiver Shells. General Insulate Co., Brooklyn, N. Y.
Insulate Vulcanized Rubber. General Insulate Co., Brooklyn, N. Y.
Insulaterite Insulating Paints. Ohmlac Paint & Refining Co., Chicago.
Insula Welda Welders' Goggles. Strauss & Buegeleisen, Brooklyn.
Insulectric Screw Drivers. M. B. Tool Co., Danielson, Conn.
Insulbrix Refractory Brick. Quigley Furnace Specialties Co., New York.
Insulex Thermo Insulating Material. Western Insulex Co., Emeryville, Cal.
Insulite Battery Box Paint. International Paint Corp., East St. Louis, Ill.
Insulite Case-Hardening Compound. Alfred O. Blaich Co., Detroit, Mich.
Insulite Waterproofing Materials. Insulite Chemical Co., Aurora, Ill.
Insullac Insulating Varnish. Robertson Chemical Co., Cleveland, O.
Inswell Coil. Columbus McKinnon Chain Co., Columbus, O.
Integral Cam Shafts. Motor Specialties Co., Muskegon, Mich.
Integral Steel Car Window Construction. American Motor Body Co., Philadelphia, Pa.
Integral Waterproofing Material. Integral Waterproofing Co., New York.
Inter-Com-Phone (for interior telephone systems). Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y.
Integro Drinking Fountains. Crane Co., Chicago.
Interlap Buggy Aprons. Vehicle Top & Supply Co., St. Louis, Mo.
Interlock Conductor Pipes. Milwaukee Corrugating Co., Milwaukee, Wis.
Interlock Window Casement Adjusters and Tire Carriers. Lyons Mfg. Co., New Haven, Conn.
Interlocked Iron and Steel Gratings. Mitchell-Tappens Co., New York.
Interlocking Wire Stretchers. Interlocking Fence Co., Morton, Ill.
Intermediate Spelter. United Zinc Smelting Corporation, New York.
Interlox Rules. Dahl Mfg. Co., New York.
Interlox Master Slide Rules. Master Rule Mfg. Co., Inc., New York.
International Barrels and Kegs. International Cooperage Co., Inc., Niagara Falls, N. Y.
International Binder Twine; Motor Trucks. International Harvester Company of America, Inc., Chicago.
International Boilers, Heaters and Furnaces. International Heater Co., Utica, N. Y.
International Cement Floor Surfacing Machines. International Floor Machine Co., New York
International Cleaning Compounds; Cleaners; Lubricating Compounds. International Chemical Co., Philadelphia, Pa.
International Compounds. International Boiler Compound Co., Chicago.
International Concrete Mixers. Worthington Pump & Machinery Corp., New York.
International Baronet Hot Air Furnaces. International Heater Co., Utica, N. Y.
International Carton Hot Air Furnaces. International Heater Co., Utica, N. Y.
International Core Making and Molding Machinery. International Molding Machine Co., Chicago.
International Count Hot Air Furnaces. International Heater Co., Utica, N. Y.
International Cutlery Shears and Scissors. Hollinger Cutlery Co., Fremont, O.
International Duke Hot Air Furnaces. International Heater Co., Utica, N. Y.
International Earl Hot Air Furnaces. International Heater Co., Utica, N. Y.
Internationl Economy Steam Heaters. International Heater Co., Utica, N. Y.
International Electric Glue Heater. International Electric Co., Indianapolis, Ind.
International Engines and Motor Trucks. International Harvester Co., Chicago
International Filters and Water Softeners. International Filter Co., Chicago.
International Grain Driers. National Grain Drier & Mill Equipment Co., Milwaukee, Wis.
International Lawn Mowers. Worcester Lawn Mower Co., Worcester, Mass.
International Molding Machines. International Molding Machine Co., Chicago.
International Numbering Machines. Force & Co., Wm. A., New York.
International Onepipe Heater. International Heater Co., Utica, N. Y.
International Princess Hot Air Furnaces. International Heater Co., Utica, N. Y.
International Sprinklers. International Sprinkler Co., New York.
International Steel Twin Ties. International Steel Tie Co., Cleveland, O.
International Time Recorders. International Time Recording Co., of New York, New York City.
International Tractors, Twine Binders, Hay Presses, Drills, Planters, Engines. International Harvester Co., Chicago.
International Typewriter Cushion Keys. Munson Supply Co., New York
International Water Softening and Purifying Apparatus. International Filter Co., Chicago.
International Warm Air Furnaces and School Room Heaters. International Heater Co., Utica, N. Y.
International Welding and Cutting Torches. Superior Oxy-Acetylene Machine Co., Hamilton, O.
International Wood Pulp Grinders. Friction Pulley & Machine Wks., Hudson Falls, N. Y.
Inter-Pole Motor. Hodgart & Co., Chicago; Electro-Dynamic Co., Bayonne, N. J.
Inter-State Automobiles. Inter-State Motor Co., Muncie, Ind.
Interstate Drop Forgings. Interstate Drop Forge Company, Milwaukee, Wis.
Intertex Cotton Hose. W. H. Salisbury & Co., Inc., Chicago.
Intertype Type Setting and Type Distributing Machines. International Typesetting Machine Co., Brooklyn, N. Y.
Inter-Urban Railway Spittoons. Indiana Mfg. Co., Jeffersonville, Ind.
Interurban Trolley Wheels. Electrical Material Co., Chicago.
In-The-Bottle Milk Pasteurizing Machines. Loew Mfg. Co., Cleveland.
Intra Hack Saw Blades. H. Boker & Co., New York.
Intra High-Speed Steel. H. Boker & Co., Inc., New York.
Intra Tool Steel. H. Boker & Co., New York.
Invader Lubricating Oils and Greases. Invader Oil Co., New York.
Invader Oil Well Belting and Sheet Packing. Republican Rubber Co., Youngstown, O.
Invaro Oil Hardening Steel. Firth-Sterling Steel Co., McKeesport, Pa.
Invincible Auto Stop Signals. Kay Bee Mfg. Co., Los Angeles, Cal.
Invincible Bottom Dump Buckets. Stuebner Iron Works, New York.

Invincible Brand Bunting. Stewart & Sparry, New York.
Invincible Carving Lathes. Valley City Machine Works, Grand Rapids, Mich.
Invincible Cloth Wheels. A. P. Munning & Co., New York.
Invincible Cobblers' Outfits. Fate-Root-Heath Co., Plymouth, O.
Invincible Corn Husking Machines, Grain Dryers and Graders, Pea Canners, Grain Clipping and Packing Machines. Invincible Grain Cleaner Co., Silver Creek, N. Y.
Invincible Drill Rod. Steel Sales Corp., Chicago.
Invincible Dust Collecting Systems. Invincible Blow Pipe Co., Chicago.
Invincible Electric Hair Dryers. Camp Co., La Crosse, Wis.
Invincible Electric Vacuum Cleaners. Jos. A. McAnerney Co., New York.
Invincible Elevator Door Hangers. Richards-Wilcox Mfg. Co., Aurora, Ill.
Invincible Factory Fence. Cyclone Fence Co., Waukegan, Ill.
Invincible Full Automatic Hosiery. Jenckes Knitting Mach. Co., Pawtucket, R. I.
Invincible Garden Cultivators. Am. Fork & Hoe Co., Cleveland, O.
Invincible Helper Cotton Mops. Eagle Specilty Co., Jamestown, N. Y.
Invincible Hose Nozzles. Andrew J. Morse & Son, Inc., Boston, Mass.
Invincible Hot Water Bottles and Syringes. Tyer Rubber Co., Andover, Mass.
Invincible Lawn Mowers. Chadborn & Coldwell Mfg. Co., Newburgh, N. Y.
Invincible Linoleum. Geo. W. Blabon Co., Philadelphia.
Invincible Loose Leaf Outfits. S. D. Childs & Co., Inc., Chicago.
Invincible Mechanical Oil Pumps. The Lunkenheimer Co., Cincinnati, O.
Invincible 9/4 Lawn Mowers. Worcester Lawn Mower Co., Worcester, Mass.
Invincible 9/3 Lawn Mower. Worcester Lawn Mower Co., Worcester, Mass.
Invincible Oil Pumps. Lunkenheimer Co., Cincinnati, O.
Invincible Potato Planters. Wabers Mfg. Co., Racine, Wis.
Invincible Polish. S. Clausen & Son, Chicago.
Invincible Post Hole Diggers. F. E. Kohler & Co., Canton, O.
Invincible Pumps. Goulds Mfg. Co., Seneca Falls, N. Y.
Invincible Rubber Hose. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Invincible Safe Deposit Boxes, Safes and Vaults. Invincible Metal Furniture Co., Manitowoc, Wis.
Invincible Spark Timers. C. F. Fulmer, Plainfield, N. J.
Invincible Typewriter Supplies. American Writing Machine Co., Inc., Newark, N. J.
Invincible Vacuum Cleaners. Invincible Vacuum Cleaner Mfg. Co., Dover, O.
Invincible Wire Hose. J. W. Buckley Rubber Co., New York.
Invisible Door Checks and Springs. Banker Mfg. Co., New Brunswick, N. J.
Invisible Joint Metallic Ceilings. Milwaukee Corrugating Co., Milwaukee, Wis.
Invisible Weather Strips. Chas. A. Freeman Mfg. Co., Boston.
Invisible Wire Coat and Hat Hooks. E. Jencks Mfg. Co., Worcester, Mass.
Inviso Roller Screens. Disappearing Roller Screen Co., Los Angeles, Cal.
Iona Drinking Fountains. Crane Co., Chicago.
Iona Ventilators. Iona Ventilator Co., Philadelphia.
Ionian Glass Lenses. Jefferson Glass Co., Follansbee, W. Va.
Ionic Drinking Fountains. Crane Co., Chicago.
Iopna Clocks. Nelson H. Brown, Boston, Mass.
Iowa Barbed Wire. American Steel & Wire Co., Chicago.
Iowa Corn Brooms, Dusters, Mops and Sweeping Compounds. Hoag Duster Co., Monticello, Ia.
Iowa Ensilage Cutters. Gould Balanced Valve Co., Kellogg, Ia.
Iowa Fire Hydrants. Iowa Valve Co., Oskaloosa, Ia.
Iowa Hay Carriers. Louden Machinery Co., Fairfield, Ia.
Iowa Hydrants. Western Mfg. Co., Oskaloosa, Ia.
Iowa Lawn Swings. Hay Tool Mfg. Co., Council Bluffs, Ia.
Iowa Steam Heaters. Seevers Mfg. Co., Oskaloosa, Ia.
Iowa Stock Fountains and Float Valves. Western Mfg. Co., Oskaloosa, Ia.
Iowa Truck Units. Iowa Motor Co., Ottumwa, Ia.
Iowa Wall Plaster. Plymouth Gypsum Co., Fort Dodge, Ia.
Iowana Pork Products. Jacob E. Decker & Sons, Mason City, Ia.
Ioway Windows. Bristol Myers Co., Brooklyn, N. Y.
Ira Lee Vacuum Cleaner. Ira Lee Suction Cleaner Corp., Royal Oak, Mich.
Irco Oak Leather Belting. Industrial Requirements Co., Philadelphia.
Irco Stamp Pads and Stamp Pad Inks. Ink Ribbon Mfg. Co., San Francisco.
I-Rite Pyrometer. Gibb Instrument Co., Bay City, Mich.
Ireland Drop Forged Wrenches. Winchester Repeating Arms Co., New Haven, Conn.
Ireland Portable Hoists and Portable Saw Mills. Ireland Machine & Foundry Co., Norwich, N. Y.
Ireland Shingle Mill Machinery. Lyon Iron Works, Greene, N. Y.
Ireland Wood Sawing Machines, Sawmills and Hoists. Ireland Mach. & Foundry Co., Norwich, N. Y.
Iridio Platinum Rivets. R. & H. Platinum Works, New York.
Iridium Babbitt Metal. Pacific Metal Works, San Francisco.
Iris Safety Pins. Seymour Metal Goods Co., Seymour, Conn.
Irland's Pipe Wrenches. Irland Pipe Wrench Co., Boston, Mass.
Irnstone Floor-Hardener. A. T. Malmed & Co., Philadelphia, Pa.
Iron Age Garden Tools. Bateman Companies, Inc., New York.
Iron Armored Interior Conduits. Garland Mfg. Co., Pittsburgh.
Iron City Tools. Iron City Tool Works, Ltd., Pittsburgh, Pa.
Iron Chink Fish Dressing and Canning Machinery. Smith Cannery Machines, Seattle, Wash.
Iron Clad Air Drill and Rubber Hose. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Iron Clad Alarm Clocks. Western Clock Co., La Salle, Ill.
Iron Clad Belting, Hose. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Iron Clad Carbon Papers and Typewriter Ribbons. Iron Clad Ribbon & Carbon Co., New York.
Iron Clad Cements. Glens Falls Portland Cement Co., Glens Falls, N. Y.
Iron Clad Corn Ear Crusher Mills. H. Robinson Mfg. Co., Muncy, Pa.
Iron Clad Duplicators. Beck Duplicator Co., New York.
Iron Clad Flour Packer. Barnard & Leas Manufacturing Co., Moline, Illinois.
Iron Clad Gauge Glass Preservers. Sargent Co., Chicago.
Iron Clad Lamp Glass Chimneys. Macbeth-Evans Glass Co., Pittsburgh.
Iron Clad Mortar Hods. Cleveland Wire Spring Co., Cleveland.
Iron Clad Silos. National Tank & Pipe Co., Portland, Ore.
Iron Fiend Flux. Great Western Smelting & Refining Co., Chicago.
Iron Giant Stamp Pullers. Milne Mfg. Co., Monmouth, Ill.
Iron Horse Metalware. Rochester Can Co., Rochester, N. Y.
Iron King Cultivators. Fertilizer Drills, Fertilizer Distributors. C. W. Genung, Madison, O.
Iron King Tank Heaters. Hunt, Helm, Ferris & Co., Harvard, Ill.
Iron Kote Black Enamel. R. F. Johnston Paint Co., Cincinnati, O.
Iron Rust Soap. Gartside's Iron Rust Soap Co., Philadelphia.
Iron Sponge. Connelly Iron Sponge & Governor Co., New York.
Iron Tag Paper Tag Stock. Hollingsworth & Vose Co., Boston, Mass.
Iron Turbine Wind Mills. Mast, Foos & Co., Springfield, O.
Ironclad Coal Cutters. Sullivan Machinery Co., Chicago.
Ironclad Gas Meters. Pittsburgh Meter Co., East Pittsburgh, Pa.
Ironclad High Pressure Gauge Glasses. Strong Machinery & Supply Co., New York.
Ironclad Water Glass Protectors. Sargent Co., Chicago.
Ironclay Fire Flashed Brick. Ironclay Brick Co., Columbus, O.
Ironhide Metal Protective Coating. Pittsburgh Plate Glass Co., Paint & Varnish Division, Milwaukee, Wis.
Ironhide Paints. Patton Paint Co., Milwaukee, Wis.
Ironhide Scientific Metal Protective Covering. Patton Paint Co., Milwaukee, Wis.
Ironite Drop Wires. Paragon Electric Co., Chicago.
Ironite Paint. The Acorn Refining Co., Cleveland, O.
Ironite Paints, Varnishes and Enamels. Ironite Paint & Varnish Co., Los Angeles.
Ironite Paints and Varnishes. Seattle Paint Co., Seattle, Wash.
Ironite Rubber Insulated Telephone Wire. Paragon Electric Co., Chgo.
Ironite Sanitary Flooring and Waterproofing Materials. Ironite Co., Chicago.
Ironite Waterproofing Materials. Ironite Company, Chicago.
Ironite Waterproofing Systems. Western Waterproofing Company, St. Louis, Mo.
Iron-Mule Rivet Busters. Keller Pneumatic Tool Co., Grand Haven, Mich.
Ironox Paints. Armstrong Paint & Varnish Works, Chicago.
Ironsides Belt Dressing, Boiler Compounds, Gear and Wire Rope Shield Lubricants, Wire and Fibre Rope Filler Coating. Ironsides Co., Columbus, O.
Ironsides Belting. Quaker City Rubber Co., Philadelphia, Pa.
Ironsides Gear and Belt Shields. Ironsides Co., Columbus, O.
Ironton Punches and Shears. Ironton Punch & Shear Co., Ironton, O.
Ironton Steel Fire Brick. Ironton Fire Brick Co., Ironton, O.
Ironton Storage Battery Locomotive. Ironton Engine Co., Ironton, O.
Ironwear Rubber Boots and Shoes. J. E. Bates & Co., New York.
Iroquois Asphalt Kettles and Mixers, Road Scarifiers, Sand Dryers, Steam Road Rollers, Tandem Rollers, Steam Jacketed Pipe and Fittings. Barber Asphalt Co., Philadelphia.
Iroquois Bottle Capping Machines and Oil Burners. Iroquois Tool & Stamping Corporation, Buffalo, N. Y.
Iroquois Carbon Paper. Corona Supply Co., Rochester, N. Y.
Iroquois Grinding Machines. Iroquois Machine Co., Providence, R. I.
Iroquois Reclaimed Rubber. U. S. Rub. Reclaiming Wks., New York.
Iroquois Street Paving and Road Building Equipment. The Barber Asphalt Paving Co., Iroquois Works, Philadelphia, Pa.
Irvine Sand Pumps. Leidecker Tool Co., Marietta, O.
Irving Subway Grating. Irving Iron Works Co., Long Island City, N. Y.
Irvington Insulating Compounds and Paper and Oiled Skin. Irvington Varnish & Insulator Co., Irvington, N. J.
Irvington Lineman's Tools, Pliers and Nippers. Irvington Mfg. Co., Irvington, N. J.
Irvington Varnished Insulation. Irvington Varnish & Insulator Co., Irvington, N. J.
Irwin Auger Bits. Jackson Mfg. Co., Jackson, O.
Irwin Mine Cars. Irwin Foundry & Mine Car Co., Irwin, Pa.
Irwin Pattern Auger Bits. W. A. Ives Mfg. Co., Wallingford, Conn.
Irwin Turnstiles. Damon-Chapman Co., Rochester, N. Y.
Irwin's Improved Skylights. Thos. W. Irwin Mfg. Co., Pittsburgh, Pa.
IS Boiler Proof Canners' Inks. R. D. Swisher Mfg. Co., Chicago.
Isaacs Steel Pens. Turner & Harrison Pen Mfg. Co., Philadelphia.
Isbell Vanners. Galigher Machinery Co., Salt Lake City, Utah; Allis Chalmers Mfg. Co., Milwaukee, Wis.
Iscar Iron Castings. Inter-State Car Co., Indianapolis, Ind.
Isco Caustic Soda, Chlorine. Isco Chemical Co., New York.
Ish-Ka-Bibble Carpet Cleaning Soap and Carpet Cleaning Tool. George E. Wightman Co., Portland, Ore.
Isko Refrigerating Units. Isko, Inc., Detroit, Mich.
Isley Reversing Valves. Morgan Construction Co., Worcester, Mass.
Isolator Garbage Disposal Plants. Buffalo Co-operative Stove Co., Buffalo, N. Y.
Isostigmar Lens. Williams, Brown & Earle, Inc., Philadelphia, Pa.
IT Rat Traps. Abingdon Trap Co., Abingdon, Ill.
Italia Motor Trucks. Italia Motor Truck Co., San Francisco.
Ithaca Hammer and Hammerless Double Shot Guns. Ithaca Gun Co., Ithaca, N. Y.
It's a Corker Shoveling and End Gate Boards. Peoria Drill & Seeder Co., Peoria, Ill.
Iuride Hydraulic Packing. Picrome Hide Co., Syracuse, N. Y.
Ivaleur Toilet Articles. The Celluloid Co., New York.
Ivaline Oils and Greases. Winona Oil Co., Winona, Minn.
Ivanhoe Metal Shades and Reflectors. General Electric Co., Schnectady, N. Y.
Ivanhoe-Regent Reflectors. Muench Brothers, New York.
Ivanhoe Steel Reflectors, Lighting Glassware. Ivanhoe-Regent Works of General Electric Co., Cleveland, O.
Ivens Pottery Dies. W. H. Ivens Sons Co., Trenton, N. J.
Iver Johnson Bicycles, Motor Cycles and Revolvers. Iver Johnson's Arms & Cycle Works, Fitchburg, Mass.
Ives Bit Braces, Hollow Augers, Spoke Trimmers, Tap Borers. W. A. Ives Mfg. Co., Wallingford, Conn.
Ivorite Closet Seats. Standard Sanitary Mfg. Co., Pittsburgh.
Ivoroid Automobile Paints. L. A. Douglas, San Francisco.
Ivoroid Closet Seats. Haines, Jones & Cadbury Co., Philadelphia; Sanitary Spec. Co., Hazard & Collins, Philadelphia.
Ivory Celluloid Covered Closet Seats. Standard Tank & Seat Co. Camden, N. J.
Ivory Cement Plaster and Wood Fibre and White Trowel Plaster and Wall Finish, Keene's Cement Pottery, Plaster, Gypsum paper Filler and Hydrated Lime. U. S. Gypsum Co., Chicago.
Ivory Fiberloid Hair Combs. Fiberloid Corp., Indian Orchard, Mass.
Ivory Handles. Ivory Handle Co., Hope, Ark.
Ivory Kote Enamel. R. F. Johnston Paint Co., Cincinnati, O.
Ivory Pyralin Toilet Articles. E. I. du Pont de Nemours & Co., Inc., Pyralin Dept., Arlington, N. J.
Ivory Rubber Hose. Whitehead Bros. Rubber Co., Trenton, N. J.
Ivory Soap and Flakes. Procter & Gamble Co., Cincinnati, O.
Ivorytone Pyralin Toilet Articles. E. I. du Pont de Nemours & Co., Inc., Pyralin Dept., Arlington, N. J.
Ivripic Toothpicks. Wausau Mfg. Co., Wausau, Wis.

Iwan Invincible Post Hole Diggers. Iwan Bros., South Bend, Ind.
Iwan Perfection Post Hole Diggers. Iwan Bros., South Bend, Ind.
Iwan Sickle Edge Hay Knives. Iwan Bros., South Bend, Ind.
Iwan Split Handle Post Hole Diggers. Iwan Bros., South Bend Ind.
Iwan Well Auger. Iwan Bros., South Bend, Ind.
Iwana Camel Hair Belting. Fenwick-Reddaway Mfg. Co., Newark, N. J.
Iwan's Post Hole Augers, Hay Knives, Open Back Shovels. Iwan Bros., South Bend, Ind.
Iwanta Gas Sad Irons. Strause Gas Iron Co., Philadelphia.
Iwanta Metal Polish. Lincoln Fixture & Sup. Co., Lincoln, Nebr.
Ixion Tires. The Diamond Rubber Company, Inc., Akron, O.
Izal Disinfectant. Abbott Laboratories, Chicago.
Izco Sheet and Strip Zinc. Illinois Zinc Co., Chicago.
Izod Impact Testing Machine. The F. H. Bultman Co., Cleveland, O.
Izod Testing Machinery. Bultman F. H. Co., Cleveland.

J

J. A. J. Rail Bond. Jamison Rail Bond & Elec. Sup. Co., Pittsburgh, Pa
J. A. & Co., Awning Stripe, Leather Bags. John Boyle & Co., Inc, New York.
J. A. Weston's Fire Ladders. Portland Extn. Ladder & Pole Co., Newark, N. J.
J. Ames Knives. H. A. Lothrop & Co., Sharon, Mass.
J. B. Drop Forgings. Jno. Brennan & Co., Dept. H, Detroit, Mich.
J. Barton Smith Files and Rasps. Nicholson File Co., Providence, R. I.
J. B. Filing Systems and Cards. Jenkins Bros. Co., Los Angeles, Calif.
J. B. Davis Solar Transits. J. C. Ulmer Co., Cleveland.
J. B. Miller's Keyless Locks. J. B. Miller Keyless Lock Co., Kent, O.
J. C. Gas Engines and Pumping Powers. The Titusville Iron Works Co., Titusville, Pa.
J-C Jacks. The Joyce-Cridland Co., Dayton, O.
J. C. M. Band Metal Saw Blades. J. C. McGuire Co., Detroit, Mich.
J. D. Andle, Globe and Radiator Valves. Capitol Brass Works Detroit, Mich.
J. D. Spark Plug. J. D. Spark Plug Co., Toledo, O.
J. E. Storage Batteries. Jelly-Electrolyte Battery Co., New York.
J. E. S. Carburetors. Kerosene Motor Appliance Co., New York.
J. G. Globe Valves. Stephens Roe Mfg. Co., Detroit, Mich.
J. H. Automobile Wind Shields. Mutual Auto Accessories Co., New York.
J. H. E. Clothes Lines. Estes Mills, Fall River, Mass.
J H. Munktell's Filter Paper. E. H. Sargent & Co., Chicago.
J. H. S. Shock Absorbers. J. H. Sager Co., Rochester, N. Y.
J. H. Windshields. T. B. Nisbet, New York.
J. I. C. Cedar Pails and Buckets. St. Louis Cooperage Co., St. Louis.
J. I. C. Foundry Pails. Richmond Cedar Works, Richmond, Va.
J. I. C. Pails and Buckets. Lown & Son, Poughkeepsie, N. Y.
J. I. Case Stalk Cutters. J. I. Case Plow Works, Racine, Wis.
J. J. Delehant's Keystone Die Stocks. Keystone Die Stock Co., Chgo.
J. K. Receivers and Amplifiers. Joy & Kelsey, Chicago.
J-K Siphon Ventilators. Siphon Ventilator Co., Little Rock, Ark.
JL-6 All-Metal Monoplanes. J. L. Aircraft Corp., The, New York.
J. Locomotive Oilers. Johnson Mfg. Co., Urbana, O.
J M Alpha Insulating Tapes and Rubber Splicing Compounds. Johns-Manville, Inc., New York.
J. M. D. Brattice Cloth. Johnston-Morehouse-Dickey Co., Pittsburgh.
J. M. E. Domestic Gas Irons. Central Flatiron Mfg. Co., Johnson City, N. Y.
J M Magnesia Pipe Covering, Flexible Metallic Tubing and Trolley Line Material. Johns-Manville, Inc., New York.
J. M. Steel Base Upholstered Chair Seats. Lubbers & Bell Mfg. Co., Clinton, Ia.
J. P. Harness Snaps. East Bangor Mfg. Co., East Bangor, Pa.
J. P. Bakelite Insulating Compounds. Johns-Pratt Co., Hartford, Conn.
J. R. C. Wood Products. J. R. Clark Co., Minneapolis, Minn.
J. R. G. Renewable Disc Valves. H. Belfield Co., Philadelphia.
J. R. S. Easy Pipe Cutters and Sink Brackets. Mechanicsville Specialty Sup. Mfg. Co., Mechanicsville, N. Y.
J. R. S. Simplex Lead Traps, Bends and Ferrules. Mechanicsville Specialty Supply Mfg. Co., Mechanicsville, N. Y.
J. Sanger Knives. H. A. Lothrop & Co., Sharon, Mass.
J. S. T. O. K. Leather Belting. J. S. Turner Mfg. Co., Lowell, Mass
J. T. Metal Polish. J. T. Blair Co., Nashville, Tenn.
J-T Windshield Cleaners. J. T. Auto Devices, Cleveland, O.
J-T-E Circuit Breakers. The Cutter Company, Philadelphia, Pa.
J. Van Ruymbeke's for Crude and Refining. Wm. F. Jobbins, Inc., Aurora, Ill.
J-W-P & Co., Cutters. J. W. Paxson Co., Philadelphia, Pa.
J. W. R. Castings. J. W. Richardson Fdry. & Metals Corp., Brooklyn, N. Y.
J. & B. Filing Machines. Johnson & Biddle Tool Co., Elkhart, Ind.
J. & G. Mfg. Co., Drawing Knives and Chisels. C. E. Jennings & Co., New York.
J & J Rubber Tired Wheels and Casters for Trucks and Service Wagons. Jarvis & Jarvis, Palmer, Mass.
J. & L. Special Tire Air Pumps. Judd & Leland Mfg. Co., Clifton Springs, N. Y.
Jack Anchor—Guy Anchors. W. J. Jackman, Lima, Ohio.
Jack Boy Gasoline Engines. Associated Mfrs. Co., Waterloo, Iowa.
Jack Cords Auto Tires. Jack Tire & Rubber Co., Spokane, Wash.
Jack Frost Ice Tongs. Vaughan & Bushnell Mfg. Co., Chicago.
Jack Frost Radiators and Covers. J. P. Gordon Co., Columbus, O.
Jack Frost Sheathing. Barrett Co., Chicago.
Jack Frost Water Closets. A. Weiskittel & Sons Co., Baltimore.
Jack Wilson High Pressure Slide Valves. C. C. Young, Jersey Shore Pa.
Jacket Faucet Cans. Sexton Can Co., Boston.
Jacket Fire Hose. Boston Woven Hose & Rubber Co., Cambridge, Wash.
Jacket Hose. Goodyear Rubber Co., New York.
Jacket Water Supply Heaters. Gurney Heater Mfg. Co., Boston.
Jackhamer Rock Drills. Ingersoll-Rand Co., New York.
Jack-in-the-Box Lawn Sprinklers. Spray Engineering Co., Boston.
Jacklift Elevating Trucks. Lewis-Shepard Co., Boston, Mass.
Jacklift Lift Trucks. P. A. Heller & Sons, Detroit.
Jackson Auto Truck Trailers. Niles Mfg. Co., Jackson, Mich.
Jackson Automobiles. Jackson Automobile Co., Jackson, Mich.
Jackson Barrows. Jackson Manufacturing Co., Harrisburg, Pa.
Jackson Belle Oil Ranges, Oil Heaters and Collapsible Ovens. The Jackson Stove & Stamping Co., Jackson, Mich.
Jackson Belt Fasteners. Isaac Jackson Belt Fastener Co., New York.
Jackson Belt Lacing Machines. Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Jackson Churns. W. W. Babcock Co., Bath, N. Y.
Jackson Concrete Carts, Wheelbarrows, Mortar Pans and Drag Scrapers. Jackson Mfg. Co., Harrisburg, Pa.
Jackson Duplex Typeless Die Sinkers. Jackson Machine Tool Co., Jackson, Mich.
Jackson Electric Portable Drills. Ajax Electric Tool Co., Ludington, Mich.
Jackson Electric Tie Tampers. Railway Track-Work Co., Philadelphia, Pa.
Jackson Engine and Machine Oilers. J. W. Jackson, Sharpsville, Pa.
Jackson Flue Scrapers. James J. Keeley, Jackson, Mich.
Jackson Fly Swatters. Lubbers & Bell Mfg. Co., Clinton, Ia.
Jackson Forges. Boston Crude Oil Burner Co., Boston, Mass.
Jackson Grapple Forks. Whitaker Mfg. Co., Chicago.
Jackson Hay Forks. F. E. Myers & Bro., Ashland, Ohio.
Jackson Hose Nozzles. Cornelius Callahan Co., Boston, Mass.
Jackson Line Levels. Joseph Woodwell Co., Pittsburgh, Pa.
Jackson Locomotive Oilers. J. W. Jackson, Sharpsville, Pa.
Jackson Metal Shaping Machines. Jackson Shaper Co., Jackson, Mich.
Jackson Motor Trucks. Jackson Motors Corp., Jackson, Mich.
Jackson Pumps. Byron Jackson Machine Works, San Francisco, Cal.
Jackson Rock Hand Drills. Thornton N. Moxley Co., Bordentown, N. J.
Jackson Sand Reels. Masseth Packer & Machine Co., Butler, Pa.
Jackson Sugar Cane Strippers. American Mfg. Co., Chattanooga, Tenn.
Jackson Tamping Bars. Handlin-Buck Mfg. Co., St. Louis, Mo.
Jackson Time-Saving Vise. Brown Engineering Co., Reading, Pa.
Jackson Trailers. Miles Mfg. Co., The, Jackson, Mich.
Jackson Vertical Automatic Checking Machine. Vertomatic Mfg. Co., Reading, Pa.
Jackson Washing Machines. Jackson Gas Engine Co., Jackson, Mich.
Jackson Wire Fence Machines and Wire Stretchers. Jackson Fence Co., Jackson, Mich.
Jacksteel Sharpening Machine. J. C. Leyner Engr. Works Co., Littleton, Colo.
Jaco Printing Inks. Jaenecke-Ault Co., Newark, N. J.
Jacobi Boat Hooks. Chas. D. Durkee & Co., New York.
Jacobs Improved Drill Chucks. Jacobs Mfg. Co., The, Hartford, Conn.
Jacobs' Ladders. American Chain Ladder Co., New York.
Jacobs Loom Strapping and Supplies. E. H. Jacobs Mfg. Co., Danielson, Conn.
Jacobson Automobile Wind Shields. Jacobson Bros., Newark, N. J.
Jacobson, Jr. Gasoline, Kerosene and Distillate Engines. Jacobson Engineering Co., Rensselaer, Suburb of Albany, N. Y.
Jacobson Crude Oil Engines. Jacobson Gas Engine Co., Rensselaer, Suburb of Albany, N. Y.
Jacobson Patented Horizontal Picking Table Screens. Krehbiel Company, Chicago.
Jadson Automobile Valves. J. A. Drake & Sons, Reedley, Cal.
Jaeger Concrete Mixer. The Jaeger Machine Co., Columbus, O.
Ja-Ga-Bi Head Tachometers. James G. Biddle, Philadelphia.
Jahns Governors. Massey Machine Co., Watertown, N. Y.
Jahns Quality Pistons. W. H. Jahns, Los Angeles, Cal.
Jaknife Windshield Visors. Roberts Mfg. Co., New Haven, Conn.
Jambo Hot Water Radiator Valves. Alonzo H. Magee, New York.
James Bevel Mitre Gears and Rawhide Pinions. D. O. James Mfg. Co., Chicago.
James Ore Feeders. Harron, Richard & McCone, San Francisco, Cal.
James Harrows and Pulverizers. Janesville Mach. Co., Janesville, Wis.
James Iron Pillers. Patton Paint Co., Milwaukee, Wis.
James Steel Stable Fixtures. James Mfg. Co., Fort Atkinson, Wis.
James & Graham Farm Wagons. James & Graham Wagon Co., Memphis, Tenn.
Jamestown Axes. American Axe & Tool Co., Glassport, Pa.
Jamesway Equipment and Ventilating Systems for Dairy, Horse, Hog and Sheep Barns, Poultry Houses, Creameries and Cheese Factories. James Mfg. Co., Ft. Atkinson, Wis.
Jamestown Water-Cooling Radiators. Jamestown Car Parts Mfg. Co., Jamestown, N. Y.
Jamica Sash Cord. Wm. E. Hooper & Sons, Baltimore, Md.
Jandus Electric Ceiling Fans. National Screw & Tack Co., Cleveland.
Jandus Luxolabora Lamp Posts. Adams-Bagnall Elec. Co., Cleveland.
Janesville Hay Carriers. Strickler Hay Tool Co., Janesville, Wis.
Janesville Riding Listers. Janesville Machine Co., Janesville, Wis.
Janet Kitchen Enamel Ware. John Dunlap Co., Carnegie, Pa.
Janney Car Couplers. McConway & Torley Co., Pittsburgh.
Janney Flotation Machines. Stimpson Equipment Co., Salt Lake City, Utah.
Janney (R. E.) Couplers. American Steel Foundries, Chicago.
Janney X and Janney Freight Car Couplers. McConway & Torley Co., Pittsburgh, Pa.
Janney Vertical Key Yokes. American Steel Foundries, Chicago.
Janos Asbestos. Janos Asbestos Company, New York.
Jansen Belt Sanding Machines. Curtis Mach. Corp., Jamestown, N. Y.
Ja-Nar Radiator Cabinet and Automatic Heat Control. The Fulton Co., Knoxville, Tenn.
Jantzen Knitware. Jantzen Knitting Mills, Portland, Ore.
Jap-A-Lac Paints, Wood Fillers, Floor Finish and Varnish. Glidden Co., Cleveland.
Japanese Furniture Polish. World Polish Mfg. Co., York, Pa.
Japanese Lawn Sprinklers. American Foundry & Mfg. Co., St. Louis.
Japanese Linen Ledger Paper. Crane Bros., Westfield, Mass.
Japhet Oil Burners. E. L. Miller Mfg. Co., Kansas City, Mo.
Jaques Micrometer. Union Tool Co., Orange, Mass.
Jardine Fireplace Dampers. Walter S. Jardine & Sons Co., Arlington Heights, Mass.
Jarecki Pipe Tongs, Pipe Vises, Screw Plates, Die Heads, Street Washers, Valve and Service Boxes. Jarecki Mfg. Co., Erie, Pa.
Jarecki Pipe Vises. Oswego Tool Co., Oswego, N. Y.
Jarrell Hand Power Punch and Shear. Clark Foundry Co., Rumford, Me.
Jarvis Ball Drive Tapping Attachments. Charles L. Jarvis Co., Gildersleeve, Conn.
Jarvis Feed and Hay Carriers and Garden Cultivators. Whitaker Mfg. Co., Chicago.
Jarvis Pumps and Safety Water Columns. Jarvis Engine & Machine Works, Lansing, Mich.
Jarvis Tapping Devices; Chucks and Collets. Geometric Tool Co., New Haven, Conn.
Jasco Farm Lighting Plants. Julius Andrae & Sons Co., Milwaukee, Wis.
Jason Fly Swatters. J. B. Timberlake & Sons, Jackson, Mich.
Jasper Grinding Wheels. Spaulding & Metcalf, Philadelphia.
Jasper Stones. The Jensen Jewel Co., Waltham, Mass.
Jasper Wall Plaster. Fowler & Pay, Mankato, Minn.
Jaxon Full Floating Wheels. Jaxon Steel Products Co., Jackson, Mich.
Jaxon Lamp Brackets and Potato Bakers. J. B. Timberlake & Sons, Jackson, Mich.
Jaxon Ventilating Grates. Edwin A. Jackson & Bro., Inc., New York.

Jayhawk Corrugated Packing Paper and Folding Paper Boxes. Lawrence Paper Mfg. Co., Lawrence, Kan.
Jayhawk Hay Stackers, Road Scrapers and Sweep Rakes. F. Wyatt Mfg. Co., Salina, Kan.
Jaynes Fixture Insulating Joints. Trumbull Electric Mfg. Co., Plainville, Conn.
Jayseedes Insulating Varnishes. J. C. Dolph Co., Newark, N. J.
Jeannin Motors. Jeannin Electric Co., Toledo, O.
Jeansville Pumps. Worthington Pump & Mach. Corp., New York.
Jector Hard Rubber Suction Hose. Quaker City Rubber Co., Phila.
Jeff Hand Tire Pump. E. M. Gant Mfg. Co., Ethridge, Tenn.
Jefferis Lockers and Shelving. Richard W. Jefferis Co., Camden, N. J
Jefferson Couplings, Union Elbows, Fittings, Pipe Flanges, Tees and Unions. Jefferson Union Co., Lexington, Mass.
Jefferson Farm Wagons. Vaughn Mfg. Co., Jefferson, Wis.
Jefferson Illuminating Glassware, etc. Jefferson Glass Co., Chgo.
Jefferson Roofing. The National Roofing Co., Tonawanda, N. Y.
Jefferson Sash Cords. J. E. Fricke Co., Philadelphia.
Jefferson Ship Water Closets. Thos. Laughlin Co., Portland, Me.
Jefferson Trolley Cords. J. E. Fricke Co., Philadelphia, Pa.
Jefferson Unions and Flanges. Jefferson Union Co., Lexington, Mass.
Jeffrey Elevating, Conveying and Power Transmission Machinery. Jeffrey Mfg. Co., Columbus, Ohio.
Jeffrey's Patent Marine Glue. L. W. Ferdinand Co., Boston, Mass.
Jefferys Waterproof Liquid Glue. L. W. Ferdinand & Co., Boston.
Jelco Gauge Glass Cutters. J. E. Lonergan Co., Philadelphia, Pa.
Jelexam Air Valves. John A. Murray, New York.
Jem Junction Boxes. Barlow Foundry Co., Newark, N. J.
Jenarco Rubber Gaskets and Sheet Packing. Jenkins Bros., New York.
Jenckes Band Lathes. The Jenckes Machine Co., Quebec, Canada.
Jenkins Compressed Asbestos, Jointing and Gaskets: Valves and Discs Jenkins Bros., New York.
Jenkins Disc Radiator Valves. Capitol Brass Works, Detroit.
Jenkins '96 Rubber Sheet Packing and Gaskets. Jenkins Bros., New York.
Jenkins Sewage Ejectors. Jenkins Mfg. Co., Bloomfield, N. J.
Jenkins Sulphur Apparatus. L. E. Knott Apparatus Co., Cambridge, Mass.
Jenkins Valves, Discs, Packing and Gaskets. Jenkins Bros., New York.
Jenkins Wood Working Machinery. Jenkins Machine Co., Sheboygan, Wis
Jenks Window Springs. Stanley Works, New Britain, Conn.
Jenne Track Jacks. Crerar, Adams & Co., Chicago.
Jennings Auger and Wood Bits. Jas. Swan Co., Seymour, Conn.
Jennings Car Bits. Jas. Swan Co., Seymour, Conn.
Jennings Gimlet Bits. C. E. Jennings & Co., New York.
Jennings Pumps and Dredges. Jennings Pump & Dredge Co., Chgo.
Jennings Steam Separators. Watson & McDaniel Co., Philadelphia.
Jennings Wood Boring Tools. Connecticut Valley Mfg. Co., Centerbrook, Conn.
Jennison Radiator Foot Rests. Jennison Co., Fitchburg, Mass.
Jenny Lind Stone Polishing Machinery. Concord Axle Co., Penacook, N. H.; St. Cloud Iron Works Co., St. Cloud, Minn.
Jensen Auto Tire Pump. The W. H. Howell Co., Geneva, Ill.
Jerguson Gauge Glasses and Water Gauges. Jerguson Gage & Valve Co., Somerville, Mass.
Jericho Automobile Horns. Randall-Faichney Co., Boston.
Jerico Sledges. John Ernsdorff Iron Co., Dubuque, Ia.
Jerome Metallic Packing. Equipment Improvement Co., New York
Jerry Boy Engines. Associated Manufacturers Co., Waterloo, Ia.
Jersey Copper Insect Screen Cloth, Wire Netting, Christmas Tree Holders, Wire Lath. New Jersey Wire Cloth Co., Trenton, N. J.
Jersey Crayons. New Jersey Crayon Co., Paterson, N. J.
Jersey Electric Lamp Hoods. National Metal Stamping & Mfg. Co., Newark, N. J.
Jersey Footwear. U. S. Rubber Co., New York.
Jersey Meter Boxes. S. E. T. Valve & Hydrant Co., New York.
Jersey Queen Can Filling Machines. Sprague Canning Machinery Co., Chicago.
Jersey Vises. Stanley Works, New Britain, Conn.
Jersey Wire Cloth and Netting. New Jersey Wire Cloth Co., Trenton, N. J.
Jesco Auto and Textile Soap. J. Eavenson & Sons, Camden, N. J.
Jesco Metal Polish. J. Eavenson & Son, Camden, N. J.
Jesco Picks and Pick Mattocks. F. W. Jesup & Co., Inc., New York.
Jesco Shovels. F. W. Jesup & Co., Inc., New York.
Jessep Grain Separators. Horace R. Spaulding, San Francisco.
Jessop's "Ark" High Speed Steel. Wm. Jessop & Sons, Inc., New York
Jessop's Steel Sheet, High Speed Tool Steel. Wm. Jessop & Sons, Inc., New York City.
Jester Sackett Fireproof Partitions. U. S. Gypsum Co., Chicago.
Jet Black Paints. Great Lakes Refining Co., Cleveland, Ohio.
Jet-Lac Air Drying Enamels. Hall-Thompson Co., Hartford, Conn.
Jet Oil Shoe Polishes. S. M. Bixby & Co., Brooklyn, N. Y.
Jewel Automatic Engine. C. H. Dutton Co., Kalamazoo, Mich.
Jewel Bath Water Heaters. American Stove Co., St. Louis.
Jewel Combination Water Closets. Bowlus Mfg. Co., Springfield, O.
Jewel Daters. R. A. Stewart & Co., New York.
Jewel Electric Dishwashers and Electric Fountains. Jewel Electric & Mfg. Co., Chicago.
Jewel Electric Vacuum Cleaner. Jewel Vacuum Cleaner Co., Chgo.
Jewel Felt, Buffing and Polishing Wheels, Marble and Granite Polishing Wheels. Eastern Felt Co., Winchester, Mass.
Jewel Furniture Polish, Paint and Varnish Remover. Wadsworth-Howland Co., Chicago.
Jewel Garden Plows. Towers & Sullivan Mfg. Co., Rome, Ga.
Jewel Glassine Paper. Warren Mfg. Co., New York.
Jewel Grease Cups. Lunkenheimer Co., Cincinnati, O.
Jewel Hammock Cultivators. International Harvester Company of America, Inc., Chicago.
Jewel Harrows. South Bend Chilled Plow Co., South Bend, Ind.
Jewel Paint and Varnish Remover; House and Floor Paints; Enamel. Wadsworth-Howland Co., Chicago.
Jewel Riding Listers. Kingman Plow Co., Peoria, Ill.
Jewel Rubber Horse Shoe Pads. Firestone Tire & Rubber Co., Akron.
Jewel Rural Mail Boxes. C. A. Peck Hdwe. Co., Berlin, Wis.
Jewel Stoves, Ranges, Furnaces. Detroit Stove Works, Detroit, Mich
Jewel Sweeping Compounds. Jewel Mfg. Co., Chicago.
Jewel Vertical Engines. C. H. Dutton Co., Kalamazoo, Mich.
Jeweler Hack Saw Blades. H. G. Thompson Son & Co., New Haven, Conn.
Jewell Ammeters and Voltmeters. Jewell Electrical Instrument Co., Chicago.
Jewell Barn Door Latches. C. A. Peck Hdwe. Co., Berlin, Wis.
Jewell Corn and Cobb Mills. Duplex Mfg. Co., Superior, Wis.
Jewell Electrical Measuring Instruments. Jewell Electrical Instrument Co., Chicago.
Jewell Garden Cultivators. South Bend Chilled Plow Co., South Bend, Ind.
Jewell Gas Stoves, Gas Heaters. American Stove Co., St. Louis.
Jewell Gasoline Blow Torches. Turner Brass Works, Sycamore, Ill.
Jewell Hay Carriers. Louden Machinery Co., Fairfield, Ia.
Jewell Kerosene Lamp Burners. Edw. Miller & Co., Meriden, Conn.
Jewell Leather Belting, Cement and Lacing. Jewell Belting Co., Hartford, Conn.
Jewell Seal Presses. Sigwalt Mfg. Co., Chicago.
Jewell Water Filters. New York Cont. Jewell Filtrn. Co., Nutley, N. J.
Jewett Car Gates and Guards and Truck Units and Passenger Cars. Wm. Hamilton Sons Car Co., Newark, Ohio.
Jewett Kitchen Enameled Ware. Jewett Stamping & Enameling Co., Jewett, Ohio.
Jewett Packing. Johns-Manville, Incorporated, New York.
Jewett Phonograph. Jewett Phonograph Co., The, Detroit, Mich.
Jewett Refrigerators. Jewett Refrigerator Co., Buffalo, N. Y.
Jewett Steel Cars. The Jewett Car Co., Newark, O.
Jewett Stoves. Jewett & Co., Buffalo, N. Y.
Jewett Water Coolers. Buffalo Mfg. Co., Buffalo, N. Y.
Jiant Bean Harvesters and Cultivators. Donaldson Bros., Mt. Clemens, Mich.
Jiff-On Anti Skid Chains. Midland Co., South Milwaukee, Wis.
Jiffy Adjustable Cutters, Clamps and Punches. Paul W. Koch & Co., Chicago.
Jiffy Ash Sifters. The Cullen & Atkinson, Inc., Hartford, Conn.
Jiffy Auto Tent and Bed. F. O. Berg Co., Spokane, Wash.
Jiffy Bilt Portable Fireproof Garages. Martin Steel Products Co., Mansfield, O.
Jiffy Boiler Repairs. Geo. W. Maltby & Sons Co., Buffalo, N. Y.
Jiffy Bushings. New Process Specialty Co., Milwaukee, Wis.
Jiffy Clips. Minerallac Electric Co., Chicago.
Jiffy Double Duty Attachment Plugs and Taps. Esler Electric Mfg. Co., Marion, Ind.
Jiffy Fire Hose Racks. Jiffy Fire Hose Rack Co., New York.
Jiffy Fuse Clips. Minerallac Electric Co., Chicago.
Jiffy Grip Piston Rings. McQuay-Norris Co., St. Louis.
Jiffy Hose. Racks and Reels. Jiffy Fire Hose Rack Co., New York.
Jiffy Hot Water Heaters. Universal Heater Mfg. Co., St. Louis.
Jiffy Jacks. The Jiffy Jack Co., Cleveland, O.
Jiffy Package Sealing Machines. Anthony Eisler & Co., New York.
Jiffy Paper Clips. L. F. Grammes & Sons, Allentown, Pa.
Jiffy Positive Action Tire Chains. Standard Steel Products Co., Oakland, Cal.
Jiffy Postmarking Devices. Columbia Postal Supply Co., Silver Creek, N. Y.
Jiffy Sealing Machine and Gummed Tape. Anthony Eisler & Co., New York.
Jiffy Starting Devices. Jiffy Starter Co., Inc., Detroit, Mich.
Jiffy Storm Sash Hangers and Screen Door Hinges. Rock City Mfg. Co., Wabash, Ind.
Jiffy Ten-In-One Wrench. L. F. Grammes & Sons, Inc., Allentown, Pa.
Jiffy Tire Patches. Braender Rubber & Tire Co., Rutherford, N. Y.
Jim Crow Rail Benders. Aldon Co., Chicago; Buda Co., Harvey, Ill.; Johns-Manville Inc., New York; A. W. Secor, New York; Richardson & Tallman, Shelbyville, Ill.; Wallace Supply Co., Chicago; Pittsburgh Trolley Pole and Forge Co., Pittsburgh, Pa.; Union Drop Forge Co., Chicago, Ill.
Jim Dandy Combination Glove and Shoe Buttoners and Folding Screw Drivers. Vaughan Novelty Mfg. Co., Chicago.
Jim Dandy Dressing and Belt Lacing. Pechin Belting Co., Phila., Pa.
Jno. Wilson's Butchers' Knives. Boker Cutlery & Hardware Co., Inc., New York.
Job Cotton Seed Hullers. French Oil Mill Machinery Co., Piqua, O.
Jockey Horse Brushes. Standard Brush Co., New Hartford, Conn.
Jocky Neck Yokes. C. Prouty & Co., Eldred, Pa.
Joes Clutches, Gears and Starters. Snow & Petrelli Mfg. Co., New Haven, Conn.
John Bright Cleanser. International Chemical Co., Philadelphia, Pa.
John Bull Motor Boats. Disappearing Propeller Boat Corp. of New York, North Tonawanda, N. Y.
John Crane Flexible Metallic Packing. Crane Packing Co., Chicago.
John Deere Agricultural Implements, Harrow Carts. Deere & Co., Moline, Ill.
John Deere Farm Wagons. Ft. Smith Wagon Co., Fort Smith, Ark.
John Deere Spring Corn Shellers, Manure Spreaders and Grain Elevators. Marseilles Works of Deere & Co., East Moline, Ill.
John Glover Steam Traps. Glover Bros., Philadelphia, Pa.
John J. Clark's Spool Cotton Threads. Blodgett & Orswell Co., Pawtucket, R. I.
Johns-Manville Asbestos and Allied Products. H. W. Johns-Manville Co., New York.
Johns-Manville Cements, Clutch Facing, Insulation, Line Electric Materials, Packing, Speedometers, and Steam Traps. Johns-Manville, Inc., New York.
John Nichol's Harness Awls. John Thornton, Jr., New York.
John O'Laughlin's Revolving Screens. Johnston & Chapman Co., Chicago.
Johnny Boy Gasoline Engines. Associated Mfrs. Co., Waterloo, Iowa.
Johnson Barrow Carts. Madison Plow Co., Milwaukee, Wis.
Johnson Bilge Pumps. Wickwire Steel Corp., Worcester, Mass.
Johnson Bronze Bushings. Johnson Bronze Co., New Castle, Pa.
Johnson Burners, Furnaces, Laundry Stoves, Etc. Johnson Gas Appliances Co., Cedar Rapids, Ia.
Johnson Carburetors. Johnson Co., Detroit, Mich.
Johnson Car Replacer, Wrecking Frogs and Rerailers. Johnson Wrecking Frog Co., Cleveland, O.
Johnson Cutting-off Tools. Pratt & Whitney, Hartford, Conn.
Johnson Clothes Washing Machinery. Johnson Electric Washer Co., Oakland, Cal.
Johnson Detachable Motor for Boats and Canoes. Johnson Motor Co., South Bend, Ind.
Johnson Fanning Mills. Belcher & Taylor Agric. Tool Co., Chicopee Falls, Mass.
Johnson Fare Boxes. U. S. Metal & Mfg. Co., New York.
Johnson First Aid Cabinets. Johnson & Johnson, New Brunswick, N. J.
Johnson Friction Clutches; Marine Reverse Gear. The Johnson Machine Co., Carlyle, Manchester, Conn.
Johnson Furnaces, Regulators. Johnson Service Co., Milwaukee, Wis.
Johnson Hoists. J. M. & O. R. Johnson, Ishpeming, Mich.
Johnson Hopper Doors. Industrial Supply & Equipment Co., Phila.
Johnson Marking Gauges. E. P. Johnson Rule Mfg. Co., Chicago.
Johnson Oil Can. Johnson Mfg. Co., Urbana, O.
Johnson Registering Fare Boxes. Johnson Fare Box Co., Chicago.
Johnson Road Oilers. Wm. F. Irish Elec. Supplies, New York.

Johnson Spare Tire and Transmission Lock. Johnson Automobile Lock Co., Milwaukee, Wis.
Johnson Steel, Anti-Rattlers. Bauer Bros. Mfg. Co., Cincinnati, O.
Johnson Stump Pullers. S. & H. Iron Works, Everett, Mass.
Johnson Syphon Valve. Johnson Service Co., Milwaukee, Wis.
Johnson System of Temperature Regulations. Johnson Service Co., Milwaukee, Wis.
Johnson Tackle Boxes and Trayless Fishing Tackle Boxes. Merriam Mfg. Co., Durham, Conn.
Johnson Transmission Line Clamp. Hickey & Schneider, New York.
Johnson Valves. Wm. Cramp & Sons Ship & Engine Bldg. Co., Phila.
Johnson Vulcanite Rubber Valves. Osgood Sayen, Philadelphia, Pa.
Johnson Well Screen. E. E. Johnson, St. Paul, Minn.
Johnson's Auto Cleaner, Carbon Remover, Black-Lac Leather Finish, Auto-Lak Body Varnish, Stop-Squeak Auto Spring Oil, Wax, Dye. S. C. Johnson & Son, Racine, Wis.
Johnson's Best Oiled Clothing. George A. Johnson Co., Inc., Seattle, Wash.
Johnson's Duck Decoys. Wm. R. Johnson, Seattle, Wash.
Johnson's Fan Mills. Bateman & Companies, Inc., New York.
Johnson's Interior Wood Finishes. S. C. Johnson & Sons, Racine, Wis.
Johnson's Packing, Gaskets, Valves, Etc. The Henry Johnson Co., Inc., Jersey City, N. J.
Johnson's Perfectone Floor Finish and Enamels. S. C. Johnson & Sons, Racine, Wis.
Johnson's Rotary and Whirlwind Fuel Oil Burners. S. T. Johnson, San Francisco, Calif.
Johnson's Speed Saw Tables. Johnson Safety Saw Works, San Francisco, Calif.
Johnston Auto Parts and Fittings. Wm. R. Johnston Mfg. Co., Chicago.
Johnston Cloth Dryers. Utica Novelty & Mill Spec'lty Co., Utica, N. Y.
Johnston Continental Reapers. Massey-Harris Harv. Co., Batavia, N.H.
Johnston Corn Binders, Mowers and Binder Covers. Massey-Harris Harvester Co., Batavia, N. Y.
Johnston Pipe Wrench. Frederick Pfeifer, New York.
Johnston Plate Glass Curtain Windows. Johnston Mfg. Co., Wm. R., Chicago.
Johnston Road Oilers. Standard Mfg. Co., Worcester, Mass.
Johnston Sanitary Can Sealers. Academy Shops Mfg. Co., Troutman, N. C.
Johnston Steam Traps. Wm. T. Johnston Co., Cincinnati, O.
Johnstone Blow-Off Valves. Crosby Steam Gage & Valve Co., Boston, Mass.
Johnston's Cement Finish, Floor and Interior Varnish Floor Finish. R. F. Johnston Paint Co., Cincinnati, O.
Jointless Piston Rings. Detroit Piston Ring Co., Detroit, Mich.
Jointite Pipe Joint Cements. Pacific Flush Tank Co., Chicago.
Jointite Pipe Joint Compounds. Marblehead Co., New York.
Joker Clasps Key Rings. Browne & Dowd Mfg. Co., Meriden, Conn.
Joliet Brake Beams. The Bradford Corporation, New York.
Joliet Corn Shellers. Joliet Mfg. Co., Joliet, Ill.
Jolly Brooms. Lee Broom & Duster Co., Lincoln, Neb.
Jomanco Friction Tape and Rubber Hose. Johns-Manville, Incorporated, New York.
Jones Accident Preventers, Machinery Guards and Safety Devices. Lockhart-Hodge Co., Inc., Buffalo, N. Y.
Jones-Belmont Flotation Machines. Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Jones Belt Hooks. H. H. Jones, Lancaster, N. H.
Jones Car Door. Jones Car Door Co., Chicago.
Jones Cold Storage Doors. Jamison Cold Storage Door Co., Hagerstown, Md.
Jones End Cutting Nippers and Hoof Parers. Eli Jones & Sons, Luverne, Minn.
Jones Harness Snaps. Frazer & Jones Co., Syracuse, N. Y.
Jones Improved Loose Leaf Devices. Wilson-Jones Loose Leaf Co., Chicago.
Jones Li-Flat Non-Curling Gummed Paper. Samuel Jones & Co., Newark, N. J.
Jones Machinery Guards and Safety Devices. Acme Guard Co., New York.
Jones Mine Ratchet Drills. Jones Machine Co., Chattanooga, Tenn.
Jones Minnow Buckets. Deshler Mail Box Co., Deshler, O.
Jones Ore Samplers. Denver Fire Clay Co., Denver, Colo.
Jones Peerless Car Doors and Fittings. Jones Car Door Co., Chicago.
Jones Pipe Hangers. Kelly & Jones Co., Pittsburgh.
Jones Pneumatic Signals. American Safety Lamp & Mine Supply Co., Scranton, Pa.
Jones Portable Grain Elevators. Fremont Mfg. Co., Fremont, Neb.
Jones Receivers and Amplifiers. Jones Radio Co., Brooklyn, N. Y.
Jones Recorder. Johns-Manville, Incorporated, New York.
Jones Registers. United States Register Co., Ltd., Battle Creek, Mich.
Jones Safety Guards. Lockhart-Hodge Co. (Inc.), Buffalo, N. Y.
Jones Speedometers. Jones Speedometer Co., New Rochelle, N. Y.
Jones Spur Gear Speed Reducers; Worm Gear Speed Reducers; Flexible Couplings. W. A. Jones Foundry & Machine Co., Chicago.
Jones Steam Traps. Glover Bros., Philadelphia, Pa.
Jones' Stopleak Roof Material. The Jones Paint Co., Rome, N. Y.
Jones Tachometers. Consolidated Instrument Company of America, New York.
Jones Taximeter. American Taximeter Co., New York.
Jones Underfeed Mechanical Stokers. Under Feed Stoker Co. of Am., Detroit, Mich.
Jones' Underfeed Stokers. Sanford Riley Stoker Co., Worcester, Mass.
Jones Ventilating Registers. U. S. Register Co., Battle Creek, Mich.
Jones' Wheels. Phineas Jones & Co., Inc., Newark, N. J.
Jones Wood Boring Machines. Jones Tool Co., Cleveland.
Jordan Automatic Signals and Commutator Timing Device. Jordan Bros., (Inc.), New York.
Jordan Commutator Truing Device. Jordan Bros., Inc., New York.
Jordan Spreaders. The O. F. Jordan Co., Chicago.
Jordan Tap-On. Jordan Bros. (Inc.), New York.
Jordan Truing Device. Jordan Bros. (Inc.), New York.
Jorgenson Adjustable Screw Clamps and Hand Screws. Adjustable Clamp Co., Chicago,
Jorgensen Clamps. Adjustable Clamp Co., Chicago.
Josam Drains; Eccentric Nuts and Unions; Back Water Traps. Josam Mfg. Co., Michigan City, Ind.
Joseph Barrows. The Lansing Company, Lansing, Mich.
Joseph Jefferson Fish Line. Ashaway Line & Twine Mfg. Co., Ashaway, R. I.
Joseph Sykes Bros. Card Clothing. Leigh & Butler, Boston.
Josico Fire Extinguishers. John Simmons Co., New York.
Josico Pin Hose Rack. John Simmons Co., New York.
Jost-Horn Switches. Frank W. Morse, Boston.
Journal Compound Lubricating Oils. Wm. C. Robinson & Son Co., Baltimore, Md.
Jove Fire Alarm Signal Boxes. J. H. Bunnell Co., New York.
Jove Window Reflectors. Curtis-Ledger Fixture Co., Chicago.
Jovo Airtite Tire Seal. Joseph A. Vogel Co., Wilmington, Del.
Joy Coal and Wood Range. The Tappan Stove Company, Mansfield, O.
Joy Couplings. National Pipe & Hose Co., Detroit, Mich.
Joy Meat and Food Choppers. Rollman Mfg. Co., Mt. Joy, Pa.
Joy Pneumatic Hose Couplings. H. D. Edwards Co., Detroit, Mich.
Joy Self-Loading, Self-Feeding, Power Propelled, Digging and Loading Machinery. Joy Machine Co., Pittsburgh, Pa.
Joyce Jacks. The Joyce-Cridland Company, Dayton, O.
Joygas Refrigerating Units. Isko, Inc., Detroit, Mich.
Jraco Mineral Wax. John R. Anderson & Co., New York.
Juanita Cotton Hose. W. H. Salisbury & Co., Inc., Chicago.
Jubilee Automobile Horns. Randall-Faichney Co., Boston.
Jubilee Hand Carts. Kilbourne & Jacobs Mfg. Co., Columbus, O.
Jubilee Incubators. Jubilee Incubator Co., Sunnyvale, Cal.
Jubilee Spark-Gaps. Jubilee Mfg. Co., Omaha, Nebr.
Judsen Rubber Horse Shoe Pads. Carl A. Judsen, Chicago.
Judson Governor. The Judson Governor Co., Rochester, N. Y.
Judson Powder. Giant Powder Co., San Francisco.
Judson Steam Hose. Goodall Rubber Co., Philadelphia, Pa.
JuGoCo Sand Crucibles. J. Goebel & Co., New York.
Juhasz Carburetor. Juhasz Carburetor Co., New York.
Juju Toys. Dean & Williams Co., Chicago.
Julian Gold Seals and Gummed Labels. Milwaukee Label & Seal Co., Milwaukee.
Jumbo Air Valves, Floor and Ceiling Plates, Heating Thermometers. Magee Steam Specialty Corp., New York.
Jumbo Beam Clamps, Pipe Hangers, Radiator and Float Valves. Beaton & Cadwell Mfg. Co., New Britain, Conn.
Jumbo Belting. Home Rubber Co., Trenton, N. J.
Jumbo Box Board Machines. Peter Gerlach Co., Cleveland.
Jumbo Door Hangers. Richards-Wilcox Mfg. Co., Aurora, Ill.
Jumbo Edgers. McDonald Mfg. Co., Eau Claire, Wis.
Jumbo Feed Grinding Mills. Wolf Co., Chambersburg, Pa.
Jumbo Gaskets. Strong Machinery & Supply Co., New York.
Jumbo Gas Engines. Harrison Machine Works, Belleville, Ill.
Jumbo Gasoline Engines, Pump Jacks and Feed Mills. Nelson Bros. Co., Saginaw, Mich.
Jumbo Gas and Steam Engines. Nelson Bros. Co., Saginaw, Mich.
Jumbo Gem Desk Calendars. Defiance Mfg. Co., New York.
Jumbo Grease Gun. Hipwell Mfg. Co., Pittsburgh, Pa.
Jumbo Heating Stoves. Indiana Foundry Co., Inc., Indiana, Pa.
Jumbo Ice Shavers, Ice Cube Cutting Machines. Reinhold Mfg. Co., Detroit, Mich.
Jumbo Insect Gums. Thos. W. Houchin Co., New York.
Jumbo Lamp Guard. McGill Mfg. Co., Valparaiso, Ind.
Jumbo Land Plaster Fertilizer. United States Gypsum Co., Plasterco, Va.
Jumbo Lawn Rakes. Cronk & Carrier Mfg. Co., Elmira, N. Y.
Jumbo Lightning Hand Ice Cream Freezers. North Bros. Mfg. Co., Philadelphia.
Jumbo Load, Log or Lumber Binders. Eugene Stacy, Tiffin, O.
Jumbo Lubricators. Star Brass Mfg. Co., Boston, Mass.
Jumbo Nail Pullers. Bridgeport Hdw. Mfg. Co., Bridgeport, Conn.
Jumbo Natural Gas Burners. D. M. Steward Mfg. Co., Chattanooga Tenn.
Jumbo Oil and Grease Guns. E. Edelmann & Co., Chicago.
Jumbo Register Hook. Latham Automatic Registering Co., Chicago.
Jumbo Riveters. Cleveland Pneumatic Tool Co., Cleveland, O.
Jumbo Sprayers. Leggett & Bro., Inc., New York.
Jumbo Steam Engines. Harrison Mach. Works, Belleville, Ill.; Superior Ship Building Co., Superior, Wis.
Jumbo Stump Pullers. C. D. Edwards, Albert Lea, Minn.
Jumbo Sugar Cane Mills. C. S. Bell Co., Hillsboro, O.
Jumbo Tong Bits. Chas. N. Hough Mfg. Co., Franklin, Pa.
Jumbo Trucks. Nelson Motor Truck Co., Saginaw, Mich.
Jumbo Vises. Pittsburgh Automatic Vise & Tool Co., Pittsburgh, Pa.
Jumbo Well Buckets. Richmond Cedar Works, Richmond, Va.
Jumbo Wheel Toys, Games and Novelties. Geo. H. Bowman Co., Cleveland.
Jumper Dumb Waiters. Speidel Elevator Corp., Reading, Pa.
Jumphlane Spark Coils. Autocoil Co., Jersey City, N. J.
Juniata Horse Shoes and Calks. American Steel & Wire Co., Chicago.
Juniata Kitchen Enameled Ware. Belmont Stamping & Enameling Co., New Philadelphia, O.
Juniata Pig Iron. Juniata Furnace & Foundry Co., Philadelphia, Pa.
Juniata Steel Toe-Calks. Am. Steel & Wire Co., Chicago.
Junior Adjustable Wrenches. Frank Mossberg Co., Attleboro, Mass.
Junior Cableway. Sauerman Bros., Chicago.
Junior Canvas Stitched Belting. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Junior Empire Barrel Spray Pumps. Field Force Pump Co., Elmira, N.Y.
Junior Engine Lubricators. Lunkenheimer Co., Cincinnati.
Junior Fyr-Fyter Fire Extinguisher. The Fyr-Fyter Company, Dayton, O.
Junior Gang Saw Edgers. American Sawmill Machinery Co., Hackettstown, N. J.
Junior Gasometer Indicators. Ritz-Woller Oliver Co., Chicago.
Junior Hand and Wagon Lanterns. R. E. Dietz Co., New York.
Junior Hand Stoker. Cokal Stoker Corp., Chicago.
Junior Leader Orchard Sprayer. Field Force Pump Co., Elmira, N. Y.
Junior Incandescent Gas Mantles. Eclipse Light Co., New York.
Junior Lubricators. Lunkenheimer Co., Cincinnati, O.; Michigan Lubricator Co., Detroit, Mich.
Junior Monarch Hay Presses. Junior Monarch Hay Press Co., San Leandro, Cal.
Junior Plumbers Force Cups. The Canfield Rubber Co., Bridgeport, Conn.
Junior Potato Diggers. Schofield & Co., Freeport, Ill.
Junior Pump Jacks and Spray Pumps. The F. E. Myers & Bro. Co., Ashland, O.
Junior Steam Heaters. Herbert Boiler Co., Chicago; Pittsburgh Water Heater Co., Pittsburgh.
Junior 30 Wood Working Machinery. Sidney Machine Tool Co., Sidney, O.
Junior Trench Pump. A. A. Parker, Waterford, N. Y.
Junkers Calorimeters. American Meter Co. Philadelphia.
Junkunc Combination Lock. Junkunc Bros., Chicago.
Juno Battery Motors. Davis Kendrick Co., Lebanon, N. H.
Juno Rubber Hose. Whitehead Bros. Rubber Co., Trenton, N. J.
Jupiter Auto and Machine Oils. Star Oil Co., Chicago.
Jupiter Boiler. Godfrey Keller Co., New York.
Jupiter Force Pumps. Barnes Mfg. Co., Mansfield, O.
Jupiter Padlock Locks. U. S. Lock & H'dwe Co., Columbia, Pa.

Jupiter Steam Hose. O. C. Keckley Co., Chicago.
Jupiter Transmission Rope. Durable Wire Rope Co., Boston. Mass
Jupiter Window Reflectors. Curtis-Ledger Fixture Co., Chicago.
Jupo Oils and Greases. Crew Levick Co., Phila., Pa.
Justice Brick Dryers. Manufacturers Equipment Co., Dayton, O.
Justice Power Hammers. Phillip S. Justice & Co., Phila., Pa.
Justice Spring Hammers. Williams, White & Co., Moline, Ill.
Just Right Metallic Shingles. Moeschl-Edwards Corrugating Co., Cincinnati.
Justrite Brass Faucets. Crane Co., Chicago.
Just-Rite Carbon Paper and Typewriter Ribbons. Allen & Company New York.
Justrite Carburetor. The Wilcke-Armstrong Co., Detroit, Mich.
Just-Rite Leather Belting. St. Louis Belting & Supply Co., St. Louis, Mo.
Justrite Metal Roofing. Moeschl-Edwards Corrugating Co., Cincinnati, O.
Justrite Oily Waste Cans, Oil Cups, Paint and Varnish Tin Cans. Justrite Mfg. Co., Chicago.
Justrite Plow Blade Sharpeners. Strite Governor Pulley Co., Minneapolis.
Justrite Spray Nozzles. W. D. Allen Mfg. Co., Chicago.
Just-The-Thing Fruit Strainers. Tate Mfg. Co., Boston.
Juvenis Vitroware Closet. Crane Company, Chicago.
Jypco Electric Gas Lighting Burners. Jno. Y. Parke & Co., Phila.

K

K. A. C. Auto Grease. Columbia Refining Co., New York.
K. Adjustable Wrenches. Frank Mossberg Co., Attleboro, Mass.
K. B. Crown Crucible Clays. Anthony Meng & Co., Philadelphia.
K-B Pulverizers. K-B Pulverizer Co., Inc., New York.
K. C. Aera-Way Drain. Crampton-Farley Brass Co., Kansas City, Mo.
K. C. Gas Engines. Kansas City Hay Press Co., Kansas City, Mo.
K. C. Ice Can Fillers. E. L. Miller Mfg. Co., Kansas City, Mo.
K. C. Jr. Gas Engines. Kansas City Hay Press Co., Kansas City, Mo.
K. C. Leather Belting. Webb Belting Co., Kansas City, Mo.
K.-C. Portland Cement. Missouri Portland Cement Co., St. Louis, Mo.
K. C. Shipping Boxes. Kansas City Fibre Box Co., Kansas City, Kan.
K. C. Prairie Dog Tractors. Kansas City Hay Press Co., Kansas City, Mo.
K. C. M. Culvert Pipe. The Newport Culvert Co., Inc., Newport, Ky.
K-D Auto Lamps. K-D Lamp Co., Cincinnati, O.
K. D. Decoys. Specialty Mfg. Co., St. Paul, Minn.
K.-D. Electro Plating Dynamos, Jewelers' Counterbores, Medical Batteries. Kendrick-Davis Co., Lebanon, N. H.
K. D. Feed Cutters. Geo. S. Comstock & Son, Mechanicsburg, Pa.
K.-D. Galvanized Culvert Iron Tanks, Iron Flumes. Harry Bros. Co., New Orleans.
K. D. H. Stucco Nail Staples. Harry W. Hahn Mfg. Co., Los Angeles.
K-D Leg Bands for Poultry, Pigeons, Etc. The Keyes-Davis Company, Inc., Battle Creek, Mich.
K. D. Metal Counters and Shelving. J. L. Davidson Co., Los Angeles.
K-D Warehouse Trucks. Kelly-Derby Co., Inc., Chicago.
K-E Cartridge and Plug Fuses. Kirkman Engineering Corp., New York.
K Electrical Fixtures. Killark Electric Mfg. Co., St. Louis, Mo.
K. Filterine and Water Filters. Filtrine Mfg. Co., Brooklyn, N. Y.
K.-G. Engines. Keck-Gonnerman Co., Mt. Vernon, Ind.
K-G Oxy-Acetylene Welding and Cutting Equipment. K-G Welding & Cutting Co., Inc., New York.
K-I Trolley Wire Splicers. The Electric Railway Equipment Co., Cincinnati, O.
K-I Trolley Wire Splicing Sleeves. Standard Ry. Supply Co., Cincinnati, O.
K. K. Flotation Machines and Oil Feeders. Southwestern Engineering Co., Los Angeles.
K K K Clamps and Bushings. David Killoch Co., New York.
K. K. K. Porcelain Bushings. David Killoch Co., New York.
K. K. Laboratory Flotation Machinery. Braun Corp., Los Angeles.
K.-K. X-ray Apparatus. Kelley-Koett Mfg. Co., Covington, Ky.
K. Korkers Plumbers' Tools. Fleck Bros. Co., Philadelphia.
K. Lawn Mower, Plain or Roller Bearing. Philadelphia Lawn Mower Co., Philadelphia.
K. M. Heating and Plumbing Specialties. Kellogg-Mackay Co., Chicago
K. M. C. Motors and Parts. Kerosene Motor Co., Peoria, Ill.
K. M. C. Steam & Vacuum Heaters. Kellogg, Mackay Co., Chicago.
K M E Dies. Keller Mechanical Engraving Co., Brooklyn, N. Y.
K. N. Drilling Machines and Milling Machine Attachments. Franz K. Krag, Chicago.
K. O. Leather Belting. The Eagle Counter & Leather Co., Cincinnati, O.
K-S Piston Rings. Keys Piston Ring Co., St. Louis.
K P Tar Coating. The Barrett Co., New York.
"K-S-V" (Kernchen Siphonage Ventilator). Kernchen Co., Chicago.
K. S. Warning Signals and Spot Lights. Kilborn-Sauer Co., Fairfield, Conn.
K. T. Irrigation Valves. Martin Iron Works, Los Angeles.
K.-T. Tank Heaters. Kelly Foundry & Machine Co., Goshen, Ind.
K.-U.-T.-A. Fire Hydrants. Cayuta Mfg. Co., Sayre, Pa.
K. V. A. Transformer for Moving Picture Lamps. J. H. Hallberg, New York.
K-V Check Valves. Max Machine Co., Clinton, Mass.
K-W Autolock Switch. The K-W Ignition Co., Cleveland, O.
K. W. Contact Points. K. W. Ignition Co., Cleveland.
K.-W. Electric Rosettes. Bryant Electric Co., Bridgeport, Conn.
K. W. Fuse Rosettes. Arrow Electric Co., Hartford, Conn.
K-W Gates, Valves. Walworth Mfg. Co., Boston, Mass.
K-W Incandescent Cut Outs. Bryant Electric Co., Bridgeport, Conn
K. W. Magnetos, Coils and Vibrators. K. W. Ignition Co., Cleveland, O
K. W. T. Kleaner. International Chemical Co., Philadelphia, Pa.
K. & B. Drop Forged Tools. Kilborn & Bishop Co., New Haven, Conn
K. & B. Paper Box and Shipping Case Machinery. M. D. Knowlton Co., Rochester, N. Y.
K. & B. Wrenches, Linemen's Climbers, Hand Vises, Tack Hammers. Kilborn & Bishop Co., New Haven, Conn.
K. & C. Condensers, Couplers, Head Sets, Etc. Kilbourne & Clark Mfg. Co., Seattle, Wash.
K. & D. Screw Drivers, Battery Motors, Gas Igniters, Jewelers' Vises. Kendrick-Davis Co., Lebanon, N. H.
K. & E. Surveying Instruments and Drawing Materials. Keuffel & Esser Co., Hoboken, N. J.
K. & H. Electric Elevators. Kaestner & Hecht Co., Chicago.
K. & H. Portable Grain Elevators. King & Hamilton Co., Ottawa, Ill.
K. & J. Air Dump Cars. Kilbourne & Jacobs Mfg. Co., Columbus, O.
K. & J. Expansion Joints, Chime Whistles and Beam Clamps. Kelly & Jones Co., Pittsburgh.
K & L Leather Belting. Kelly-Linehan Belting Co., San Francisco, Calif.
K. & M. 85% Magnesia-Pipe Covering and Blocks. Keasbey & Mattison Co., Ambler, Pa.
K. & M. Steam Clocks and Valves. Kinsey & Mahler Co., Peoria, Ill.
K. & P. Glaziers Putty. Kent & Purdy Paint Co., St. Louis.
K. & R. Automatic Crank Forging Machine; Open-side Benders; Die Presses. Kane & Roach, Syracuse, N. Y.
K. & R. Tire Upsetters. Kane & Roach, Syracuse, N. Y.
K. & S. Paints. Kay and Ess Company, Dayton, O.
K. & S. Wrenches. R. F. Sedgley, Philadelphia.
K. & T. Valves, Regulators, Pump Governors and Steam Traps. Klipfel Mfg. Co., Chicago.
Kablak Insulating Cloth, Paper Tape. Mica Insulator Co., New York.
Kadox Oxide of Zinc (Black Label, Blue Label, Red Label). The New Jersey Zinc Co., New York.
Kaestner Malt Mills. Kaestner & Hecht Co., Chicago.
Kaffir Germantown Lamp Black. L. Martin Co., New York.
Kaffir Rubber Hose. Electric Hose & Rubber Co., Wilmington, Del.
Kaffir Sheet Packing. Mechanical Rubber Co., Cleveland, O.
Kahlenberg Kerosene Oil Engines. Kahlenberg Bros. Co., Two Rivers, Wis.
Kahn Concrete Inserts, Post Caps and Bases. Truscon Steel Co., Youngstown, O.
Kahn Socket Inserts, Curb Bars, Reinforcing Materials. Truscon Steel Co., Youngstown, O.
Kahnweiler's Life Boats. David Kahnweiler's Sons, New York.
Kaiser Farm Boilers. Bovee Furnace Works, Waterloo, Ia.
Kaiser Metal Polish. Borsum Bros., New York.
Kal Kar Brand Limestone. Pacific Limestone Products Co., Santa Cruz, Cal.
Kalamazoo Cattle Guards. Kalamazoo Ry. Supply Co., Kalamazoo, Mich.
Kalamazoo Gas Ranges. Kalamazoo Stove Co., Kalamazoo, Mich.
Kalamazoo Hand Car Wheels. Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Kalamazoo Hoes. Union Fork & Hoe Co., Columbus, O.
Kalamazoo Sickle Grinders. Kalamazoo Tank & Silo Co., Kalamazoo, Mich.
Kalamazoo Steel Factory Stools and Chairs. Kalamazoo Steel Goods Company, Kalamazoo, Mich.
Kalamazoo Trolley Wheels and Harps. The Star Brass Works, Kalamazoo, Mich.
Kales Stampings. Kales Stamping Co., Detroit.
Kalkeen Insulated Brackets. Oshkosh Logging Tool Co., Oshkosh, Wis.
Kallith Lepidolite. B. F. Drakenfeld & Co., New York.
Kalloite Wall Plaster. Cardiff Gypsum Plaster Co., Fort Dodge, Ia.
Kalo Brick and Tile. Kalo Brick & Tile Co., Kalo, Ia.
Kal-O-Mine Doors. Variety Mfg. Co., Chicago.
Kaloric Sheet Packing. Quaker City Rubber Co., Philadelphia, Pa.
Kaloroid Roofing. Standard Paint Co., New York.
Kalosab Photographic Lense. Hanovia Chemical & Mfg. Co., Newark, N. J.
Kalsolite Cold Water Paint. National Roofing Co., Tonawanda, N. Y.
Kamah Automobile Wind Shields. Stewart-Carey Glass Co., Indianapolis.
Kamp Komfort Heaters and Stoves. A. C. Kraft, Chicago.
Kamp Kook's Kit Cooking Outfits. A. C. Kraft, Chicago.
Kampkook Gasoline Stoves and Folding Fry Pans. American Gas Machine Co., Albert Lea, Minn.
Kampoven Baking Ovens. American Gas Machine Co., Albert Lea, Minn.
Kamprite Trailers. Lippman Kamprite Trailer Co., St. Louis, Mo.
Kan Kut Can Openers. Schatz Mfg. Co., Poughkeepsie, N. Y.
Kan-Oak Leather Belting. Fisher Leather Belting Co., Philadelphia, Pa.
Kanawha Bromide and Chloride of Calcium. Jno. Q. Dickinson & Co., Malden, W. Va.
Kanawha Mine Ventilating Fans. South Side Foundry & Machine Works, Charleston, W. Va.
Kancimo Lavatories. Crane Co., Chicago.
Kane Metal Products. H. W. Kane & Company, New York.
Kane Pipe Hangers. Thos. Devlin Mfg. Co., Philadelphia.
Kane Quality Metal Weather Strips and Rustless Window Screens. Kane Mfg. Co., Kane, Pa.
Kangaroo Animal & Game Traps. Triumph Trap Co., Oneida, N. Y.
Kanisteo Rulers and Yardsticks. Up-to-Date Adv. Co., Canisteo, N. Y.
Kanner Razor Stroppers. Sam'l Kanner, Long Island City, N. Y.
Kansas Pig Lead Spelters. American Smelting & Refining Co., Cincinnati, O.
Kantbebeat Dry Core Compounds. S. Obermayer Co., Chicago
Kant-Blo-Off Tube Cleaners. Chas. Nuhring & Bro., Cincinnati.
Kant Krush Building Tile. Brazil Hollow Brick & Tile Co., Brazil, Ind.
Kant-Fail Hose Racks, Fire Extinguishers. W. H. Salisbury & Co., Inc., Chicago.
Kanthurt Leather Belting. Fisher Leather Belting Co., Philadelphia, Pa.
Kanti-Lever Flexible Couplings. Brown Engineering Co., Reading, Pa.
Kantkink Armored Hose. Goodyear Tire & Rubber Co., Akron, O.
Kant-Klaps Rubber Hose. W. H. Salisbury & Co., Inc., Chicago.
Kant-Klog Priming Cups. Taylor Machine Co., Cleveland.
Kant-Korod Paints. Pyramid Paint Co., Philadelphia.
Kant-Krack Fruit Jar Covers. Smalley, Kivlan & Onthank, Boston.
Kant Krack Mica Chimneys and Canopies. Joseph Huse & Son, Ltd., Boston, Mass.
Kant Kut Boot Plates. Mulconroy Co., Inc., Philadelphia, Pa.
Kant-Leak Copper Floats. Wolverine Brass Works, Grand Rapids, Mich.
Kant-Leak Gasoline Cocks. Michigan Lubricator Co., Detroit, Mich.
Kant Leek Oil Storage Tanks. Milwaukee Tank Works, Milwaukee.
Kantleke Gas Tubing. Chicago Tubing & Braiding Co., Dept. D., Chicago.
Kant-Mis Fly Swatters. U. S. Wire Mat Co., Decatur, Ill.
Kantsag Metal Furniture. O. B. McClintock Co., Minneapolis, Minn.
Kant-Shore Aluminum Engine Pistons. Kant-Shore Piston Co., Cincinnati.
Kant-Sink-'Em Steel Row Boats. Watson Boat & Novelty Works, Spokane, Wash.
Kantslip Adjustable Screw Clamps Hand Screws, Pulley Covering. Kantslip Co., Freeport, Mich.
Kant Slip Car Pushers. P. H. Jacobs Millstadt, Ill.
Kant-Slip Clamps and Chains. Imperial Bit & Snap Co., Racine, Wis.
Kant Slip Combination Wrench. Allan-Diffenbaugh Wrench & Tool Co., Baraboo, Wis.
Kantsplit Valve Handles and Wheels. Holton-Abbott Mfg. Co., West Somerville, Mass.

Kantstrand Cotton and Linen Threads. West End Thread Co., Boston, Mass.
Kant-Suck Calf Weaners. Imperial Bit & Snap Co., Racine, Wis.
Kant Suk Calf Weaners. Wagner Specialty Co., Burlington, Wis.
Kanton Automobile Rims. Canton Rim Co., Louisville, O.
Kapak Elaterite Roofing. Raven Mining Co., of Utah, Chicago.
Kapak Hydrocarbons. Raven Mining Co., of Utah, Chicago.
Kapak Paints. Frost Paint & Oil Co., Minneapolis, Minn.
Kappa Incandescent Cut-Outs. Trumbull Electric Mfg. Co., Plainville, Conn.
Kaptan Garden Hose. Quaker City Rubber Co., Philadelphia.
Karadam Hatchets. North Wayne Tool Co., Hallowell, Me.
Karbo Disinfectant. Alcatraz Co., Richmond, Va.
Karbo Hand Soap. King-Karbo Products Corp., Pittsburgh.
Karbo Sickel Grinders. Whitaker Mfg. Co., Chicago.
Karbol Wood Preservatives. L. Sonneborn Sons, New York.
Karbolith Car and Sanitary Flooring. American Mason Safety Tread Co., Lowell, Mass.
Karbolith Composition Flooring. American Mason Safety Tread Co., Lowell, Mass.
Karbon Coat Felts. Weaver Roof Co., Los Angeles, Calif.
Karboncote Paint. A. H. White Co., New Orleans, La.
Karbon Killer Carbon Removers. Ohio Grease Co., Loudonville, O.
Karbon Kote Black Coating. Armstrong Paint & Varnish Works, Inc., Chicago.
Karbon Kote Carbon Paints. Armstrong Paint & Varnish Works, Chicago.
Karbonet. Acme White Lead & Color Works, Detroit, Mich.
Karbonite Sheet Packing. New York Belting & Packing Co., New York.
Kardex Card Systems and Filing Cabinets. American Kardex Co., Inc., Tonawanda, N. Y.
Kardon Radio Units. Kardon Products Co., New York.
Karge Friction Couplings. Karge-Baker Corp., Phoenix, N. Y.
Karges Farm Wagons. Karges Wagon Co., Evansville, Ind.
Karlite Double Stitched Belting. Imperial Belting Co., Chicago.
Karns Bow Spring Valve Cups. Parker Cup & Specialty Works, Inc., Parkers Landing, Pa.
Karo Cooking Utensils. Corn Products Refining Co., New York.
Kas-Bras Shower Heads. Speakman Sup. & Pipe Co., Wilmington, Del.
Kascol Paint Oils. The Kay & Ess Co., Dayton, O.
Kasement Screen Doors. Rockwell Mfg. Co., Camden, Ark.
Kasenit Case Hardening Compounds. Kasenit Co., New York.
Kaseno Marine Glue, Casein and Case Hardening Compounds. Kaseno Products Co., Seattle, Wash.
Kass Safety Step Tread and Step Box. Morton Mfg. Co., Chicago.
Katak Boiler Compound Water Purifier. Swan & Finch, New York.
K-a-u-r-i Varnish. Booden & Son, Brooklyn.
Kaustine Chemical Waterless Closets. Kelly Derby Co., Chicago.
Kaustine System Waterless Toilets. Kaustine Co., Inc., Buffalo, N. Y.
Kavle Correct Involute Contour Indicator. Mfgrs. Consulting Engineers, Syracuse, N. Y.
Kawalle Automatic Mitre Boxes. Manumotor Co., Manitowoc, Wis.
Kaw-Mo Hose. Gustin-Bacon Mfg. Co., Kansas City, Mo.
Kawneer Steel Mouldings, Metallic Window Frame and Sash Rolled Steel Windows. Kawneer Co., Niles, Mich.
Kay Bee Products Auto Spot Lights and Traffic Signals. Kay Bee Mfg. Co., Los Angeles.
Kaybee Waterproof Fibre Shipping Cases. National Paper Products Co., San Francisco.
Kay Brass Gate Valves. Walworth Mfg. Co., Boston, Mass.
Kay Piling Folders. The Kay Co., Inc., Newark, N. J.
Kay Oil Cups. Charles Kay, Detroit.
Kayline Lighting Fixtures and Glassware. The Kayline Co., Cleveland, O.
Kaynum Asbestos Products. Keasbey & Mattison Co., Ambler, Pa.
Kayso Spray Spreader and Adhesive Compounds. California Central Creameries, San Francisco.
Kazoo Automobile Jacks. National-Standard Co., Niles, Mich.
Kazoo Go-Bang Noisy Toys. Kazoo Go-Bang Co., Kalamazoo, Mich.
Keanol Cotton Cleaning Machy. Terrell Machine Co., Charlotte, N. C.
Kearney and Foot Files. Nicholson File Co., Providence, R. I.
Kearsage Gaskets and Packings. Johns-Manville, Incorporated, New York.
Keaton Non-Skid Tires. Keaton Tire & Rubber Co., San Francisco.
Keays Gas Furnace. Independent Cornice & Furnace Works, Los Angeles.
Kebo Brass Gate Valves. Walworth Mfg. Co., Boston, Mass.
Keco Measuring Tapes. Keuffel & Esser Co., Hoboken, N. J.
Keds Canvas Rubber-Soled Footwear. U. S. Rubber Co., New York.
Keeler Water Tube Boilers. E. Keeler Co., Williamsport, Pa.
Kee Lox Carbon Paper and Typewriter Ribbons. Kee Lox Mfg. Co., Rochester, N. Y.
Keen Kutter Cutlery and Tools. Winchester-Simmons Co., St. Louis.
Keen Kutting Cutting Dies. Oster Mfg. Co., Cleveland, O.
Keen O Can Openers, Ice Chisels. W. G. Browne Mfg. Co., Kingston, N. Y.
Keen Waving Irons. Permanent Wave Machine & Supply Co., New York.
Keene Ice Skates. Union Hdwe. Co., Torrington, Conn.
Keene's Sheet Metal Machinery. Geo. C. Keene & Co., Cincinnati, O
Keep Kool Cutting & Drilling Compounds. Phoenix Oil Co., Cleveland.
Keepclean Hair and Military Brushes. Florence Mfg. Co., Florence, Mass.
Keepdry Waterproof Wrapping. Angier Mills, Framingham, Mass.
Keeps 'Em In-Keeps 'Em Out Products. The Knapp Fence Co., Cleveland, O.
Keeptite Packing. Crandall Packing Co., Palmyra, N. Y.
Kees Furnace Regulators, Metal Building Corners. F. D. Kees Mfg. Co., Beatrice, Nebr.
Kees-Gossett Storm Sash Hangers. K. D. Kees Mfg. Co., Beatrice, Neb.
Keesee Visible Gasoline Pumps. Keesee Mfg. Co., Inc., Huntington Park, Cal.
Kegler Chain Pumps. Ferguson Mfg. Co., Dubuque, Ia.
Keith Combination Heaters. Keith Furnace Co., Des Moines, Ia.
Keith Landis Electric Automobile Clocks. Keith Landis Corp., Chicago.
Keith Sanitary Drinking Fountains. L. E. Knott Apparatus Co., Boston.
Keith's Boston Bubbler Drinking Fountains. L. E. Knott Apparatus Co., Cambridge, Mass.
Keith's Fine Stationery. American Papeterie Co., Albany, N. Y.
Kelco Foundry Supplies and Graphite Products. T. P. Kelly & Co., Inc., New York, N. Y.
Kelco Graphite Boiler Compounds. Kelly Graphite Mills, New York.
Kelkotters Cotter Pins. American Cotter Pin Co., Pittsburgh; American Steel Co., Pittsburgh.
Kellastine Sanitary Flooring and Stucco. National Kellastone Co., Chicago.
Keller Assay Balances and Weights. G. P. Keller, Salt Lake City.
Keller Axle Cutters, Farm Wagons, Lawn Swings, Pipe Cutters. Keller Mfg. Co., Minneapolis.
Keller Die Cutting Machine. Keller Mech. Eng. Co., Brooklyn, N. Y.
Keller-Master Pneumatic Tools. Keller Pneumatic Tool Co., Grand Haven, Mich.
Keller Pneumatic Riveting, Heading, Chipping and Calking Hammers. Chicago Pneumatic Tool Co., New York.
Keller Pneumatic Stone Tools, Hammers and Reamers. Chicago Pneumatic Tool Co., New York.
Kellerman Chain Tongs. Union Tool Co., Torrence, Cal.
Kelley Duplex Sickle Grinders. Duplex Mill & Mfg. Co., Springfield, O.
Kelley Floor Machine; High Speed Grinder-Sander; Router. Kelley Electric Machine Co., Buffalo, N. Y.
Kelley Windlasses. Thos. Laughlin Co., Portland, Me.
Kellogg Chimneys of Radial Blocks. Paul B. Huyette Co., Philadelphia
Kellogg Engine Driven Pumps. Kellogg Mfg. Co., Rochester, N. Y
Kellogg Linseed Base Core Oils. Kellogg, Spencer & Sons, Buffalo
Kellogg Pipe Sleeves. New Brunswick Iron Works, New Brunswick, N. J.
Kellogg Telephones. Kellogg Switchboard & Supply Co., Chicago.
Kellum Damper Regulators. Hess & Barker, Philadelphia, Pa.
Kelly Albany Jacks. L. J. Kelly Mfg. Co., Albany, N. Y.
Kelly Automatic Steam Air Valves. Kelly Brass Works, Chicago.
Kelly Brake Jaws. U. S. Metal & Mfg. Co., New York.
Kelly Carpet Vises. C. S. Osborne & Co., Newark, N. J.
Kelly Castings. Kelly Brass Works, Chicago.
Kelly Corn and Cob Mills, Feed Grinding Mills. Duplex Mill & Mfg. Co., Springfield, O.
Kelly Couplings. The Kelly & Jones Co., Greensburg, Pa.
Kelly Crank Shapers. R. A. Kelly Co., Xenia, O.
Kelly Filters. The Kelly Filter Press Co., Salt Lake City, Utah.
Kelly Grates. Kelly Foundry & Machine Co., Goshen, Ind.
Kelly Horizontal Coal Screens. Roberts & Schaefer Co., Chicago.
Kelly Improved Hand Stokers. Kelly Fndry. & Machine Co., Goshen, Ind.
Kelly, Jr. Hollow Augers. House Cold Tire Setter Co., St. Louis.
Kelly Kontainer Steel Container. Benjamin Electric Mfg. Co., Chicago.
Kelly Metal Bearings. Super-Refined Metals Co., Los Angeles.
Kelly Motor Trucks. Kelly-Springfield Motor Truck Co., Springfield, O.
Kelly Perfect Axe and Scythe. Kelly Axe Mfg. Co., Charleston, W. Va.
Kelly Pipe Couplings. Kelly & Jones Co., Greensburg, Pa.
Kelly Pressure Filters. United Filters Corp., New York.
Kelly Reamers and Boring Tools. Kelly Reamer Co., Cleveland.
Kelly Stop and Waste Cocks. Thos. Kelly & Bros., Chicago.
Kelly-Springfield Road Rollers. Buffalo Springfield Roller Co., Springfield, O.
Kelly Trucks. The Kelly-Springfield Motor Truck Co., Springfield, O.
Kelly Water Closets, Stop and Waste Cocks. Thos. Kelly & Bros., Chicago.
Kelly's Albany Stone Jacks. L. J. Kelly Mfg. Co., Albany, N. Y.
Kelly's Patent Pipe Couplings. Kelly & Jones Co., Greensburg, Pa.
Kelmit Motor Oil and Lubricants. Kelmit Co., Los Angeles.
Kelmet Process Bearings and Babbitt Metals. Falcon Bronze Co., Youngstown, O.
Kelmor Flushing Valves. Single Faucet & Flush Valve Co., Chicago.
Keloid Paints and Roofing. Richard Kelly, New York.
Kelsey Hot Air Furnaces. Kelsey Heating Co., Syracuse, N. Y.
Kelsey Presses. Kelsey Press Co., Meriden, Conn.
Kelvin Galvanometers. Leeds & Northrup Co., Philadelphia.
Kelvinator Refrigerating Machinery. Kelvinator Corp., Detroit.
Kelvite Magnified Steering Compass. Wilfrid O. White, Boston, Mass.
Kemetaline Valve and Pipe Lining. United Lined Tube & Valve Co., Boston.
Kemisol Waterproofing Materials. Morene Products Co., Inc., New York.
Kemoshyne Polish. Kemoshyne Mfg. Co., Rochester, N. Y.
Kemp Gas Producers and Gas Machines. C. M. Kemp Co., Baltimore.
Kemp Climax Manure Spreaders. Climax Corp., Batavia, N. Y.
Kempf Cocoa Matting. Wm. F. Kempf & Son, Philadelphia, Pa.
Kempsmith Milling Machines. Kempsmith Mfg. Co., Milwaukee, Wis.
Kemp's Branding Liquid. Wm. Cooper & Nephews, Chicago.
Ken Soap. Kendall Products Corp., New York.
Kenco Battery Motors and Battery Motor Fans. Knapp Electric & Novelty Co., New York.
Kenco Paints and Varnishes. L. C. Kennedy Paint Co., Los Angeles.
Kendene Soap. Kendall Products Corp., New York.
Kendex Friction Clutch Linings. Kenworthy Bros. Co., Stoughton, Mass.
Kenewa Planes. Sargent & Co., New Haven, Conn.
Kenmar Lavatories. Crane Co., Chicago.
Kenmore Lavatories. Crane Co., Chicago.
Kennedy Car Liners, Moth Proof Bags, Automobile Storage Covers (Paper), Protect-O-Lamp Bags. Kennedy Car-Liner & Bag Co., Shelbyville, Ind.
Kennedy Cleaners. Vacuum Cleaner Construction Co., New York.
Kennedy Crushers and Screens. Kennedy Mfg. & Eng. Co., New York.
Kennedy Hydrants and Valves. Kennedy Valve Mfg. Co., Elmira, N. Y.
Kennedy Moth Proof Bags. Kennedy Car Liner & Bag Co., Shelbyville, Ind.
Kennedy Equipment Receivers and Amplifiers. Colvin B. Kennedy Co., San Francisco.
Kenney's So Ez E Pneumatic Water Supply System. The Kenny Foundry & Mfg. Co., Mansfield, O.
Kennesaw Marble. Georgia Marble Co., Tate, Ga.
Kennitite Zero Water Softener. Kennicott Water Softener Co., Chicago.
Kenny Hub Bands. Eastern Malleable Iron Co., Naugatuck, Conn.
Kenny Maritime Indicators. American Steel Indicator Co., New London, Conn.
Kenny's Scouring Powder. J. T. Kenney & Co., St. Paul.
Keno Tire Pump Connections. Stevens & Co., New York.
Kenosha Saucer Wheels. Winther Motors, Inc., Kenosha, Wis.
Kenotron High Voltage D-C Rectifiers. General Electric Co., Schenectady, N. Y.
Kenotron Rectifiers. General Electric Co., Schenectady, N. Y.
Kensington Journal Boxes. Union Spring & Mfg. Co., Pittsburgh.
Kensington Leather Belting. Jos. C. Paulus & Co., Philadelphia, Pa.
Kent Battery Motors, Battery Motor Fans. Kendrick-Davis Co., Lebanon, N. H.
Kent Belt Sanding Machines. Kent Mfg. Co., Faribault, Minn.
Kent Concrete Mixers; Keg Konveyor Kent Machine Co., Kent, O.
Kent Hand Corn Planters. James Mfg. Co., Ft. Atkinson, Wis.
Kent Lavatories. Crane Co., Chicago.
Kent Quality Cars. Kent Motors Corp., Newark, N. J.
Kent Smokeless Furnaces. Powder Specialty Co., New York.
Kent Stationary Kleaners. Kent Vacuum Cleaner Co., Inc., Rome, N. Y.

Kent Vacuum Cleaners. Kent Co., Rome, N. Y.
Kent Reliable Tampers. Kent Machine Co., Kent, O.
Kentucky Blue Cut Sawed and Rough Building Stone Flagging. Rowan County Freestone Co., Farmers, Ky.
Kentucky Cannel Coal. Matthew Addy Co., Cincinnati, O.
Kentucky Corn Planters, Grain Drills, Seeders, Sowers. International Harvester Company of America (Inc.), Chicago.
Kentucky Curtain Fasteners. F. A. Neider & Co., Augusta, Ky.
Kentucky Farm Wagons. Kentucky Wagon Mfg. Co., Louisville, Ky.
Kentucky Fertilizer Distributors. International Harvester Co. of Am., Inc., Chicago.
Kentucky Gang Press Wheel Attachments. American Seeding Machine Co., Springfield, Ohio.
Kentucky Incandescent Electric Lamps. Kentucky Electrical Co., Owensboro, Ky.
Kentucky Kernel Poultry Crates. General Box Co., Dept. T, Chicago.
Kentucky Rock Asphalt. Kentucky Rock Asphalt Co., Inc., Louisville, Ky.
Kentucky Seeding Machines. International Harvester Company of America, Inc., Chicago.
Kentylizer Limestone. Kentucky Lithograph Co., Louisville, Ky.
Kenwood Paper Makers' Felts, Blankets, Robes and Sleeping Bags. F. C. Huyck & Sons, Albany, N. Y.
Kenwood Lavatories. Crane Co., Chicago.
Kenwood Mills. F. C. Huyck & Sons, Albany, N. Y.
Kenworthy Automobiles. Kenworthy Motors Corp., Mishawaka, Ind.
Kenworthy Non-Oxidizing Furnaces. Charles F. Kenworthy, Waterbury, Conn.
Kenyon Corn Crushers. Burgess-Norton Mfg. Co., Geneva, Ill.
Keokuk Refrigerator Kounter. Carter Mfg. Co., Keokuk, Ia.
Kerkner Alfalfa Cultivators. Light Draft Harrow Co., Marshalltown, Ia.
Kerm-Art Stained Glass and Signs. Chas. E. Clifford Co., Inc., Los Angeles.
Kernan Globe Stone Mfrs. S. Cheney & Son, Manlius, N. Y.
Kernchen Siphonage Ventilator. Kernchen Company, Chicago.
Kerne Garden Hose. Quaker City Rubber Co., Philadelphia.
Kernel Walking and Riding Cultivators. Kingman Plow Co., Peoria, Ill.
Keratol Imitation Leather. Keratol Co., Newark, N. J.
Kerite Insulated Wires and Cables. Weatherproof Wire and Tape. Kerite Insulated Wire & Cable Co., New York.
Kerlow Grating, Step and Steel Flooring. Kerlow Steel Flooring Co., Jersey City, N. J.
Kern Drawing and Surveying Instruments. R. W. Cramer Co., New York.
Kern Window Cleaners. The Dayton Mfg. Co., Dayton, O.
Kernal Garden Hose. Quaker City Rubber Co., Philadelphia, Pa.
Kernerator. Kerner Incinerator Co., Milwaukee, Wis.
Kero-Kook Stoves. Am. Gas Machine Co., Inc., New York.
Ker-o-el Electric Lighting Plants. Matthews Co., The, Pt. Clinton, O.
Kerr Economy Reduction Gears. Kerr Turbine Co., Wellsville, N. Y.
Kerr Economy Steam Turbines. Kerr Turbine Co., Wellsville, N. Y.
Kerr Turbines & Gears. Kerr Turbine Co., Wellsville, N. Y.
Kerr's Wire Belt Lacing. Kerr & Co., Inc., New York.
Kerstine Grate Bars. Bowler Foundry Co., Cleveland, O.
Kertland Packing. Manhattan Rubber Mfg. Co., Passaic, N. J.
Kerwin Crossover. Cleveland Frog & Crossing Co., Cleveland, O.
Kesco Floor Plates and Stair Treads. Keystone Steel Co., Phila.
Kessler Press Brake for Printing Presses. San Diego Machine Wks., San Diego, Cal.
Kester Metal Mender (Acid Core); Radio Solder (Rosin Core); Solid Bar Solder; Wire Solder (Acid Core, Paste Core, Rosin Core and Stearine Core). Chicago Solder Co., Chicago, Ill.
Kester Soldering Flux. Chicago Solder Co., Chicago.
Ketler Hand Forged Tools. The Ketler-Elliott Co., Chicago.
Ketmar Garden Hose. Quaker City Rubber Co., Philadelphia, Pa.
Ketos Oil Hardening Tool Steel. Halcomb Steel Co., Syracuse, N. Y.
Ketos Non-Shrinking Oil Hardening Tool Steel. Halcomb Steel Co., Syracuse, N. Y.
Ketos Tool Steel. Halcomb Steel Co., Syracuse, N. Y.
Kewanee Boilers. Kewanee Boiler Co., Kewanee, Ill.
Kewanee Boiler Fittings, Regrinding Valves, Union Specialties. Walworth Mfg. Co., Boston, Mass.
Kewanee Brake Beams. Chicago Railway Equipment Co., Chicago, Ill.
Kewanee Electric Lighting Systems, Water Supply Systems. Kewanee Private Utilities Co., Kewanee, Ill.
Kewanee Foundry Molding Machines. Wm. Demmler & Bros., Kewanee, Ill.
Kewanee House Heating Boilers. Kewanee Boiler Co., Kewanee, Ill.
Kewanee Laboratory Furniture. Kewanee Mfg. Co., Kewanee, Wis.
Kewanee Outdoor Sleeping Berths. Kewanee Mfg. Co., Kewanee, Ill.
Kewanee Pumping System. Kewanee Water Supply Co., Kewanee, Ill.
Key Expanded Metal Lath. General Fireproofing Co., Youngstown, O.
Key Ring Screw Pitch Gauges. Athol Mach. & Fdry. Co., Athol, Mass.
Keyboard Heat-Insulating Material. Northern Insulating Co., St. Paul, Minn.
Key Brand Insecticides and Fungicides; Scale Destroyer (Miscible Oil); Weed Killer; White Fly Destroyer. Interstate Chemical Co., Jersey City, N. J.
Keybridge Reinforcements Metal Lath and Steel Combined. Edwards Mfg. Co., Cincinnati.
Key Cide. Interstate Chemical Co., Jersey City, N. J.
Keyco Stud Drivers, Pipe Wrenches, Nut Wrenches, Drilling Posts, Pliers, Tongs, Reducing Sleeves, Etc. Keystone Mfg. Co., Buffalo, N. Y.
Key-Dip Approved Arsenical Dip. Interstate Chemical Co., Jersey City, N. J.
Key-Dry. Interstate Chemical Co., Jersey City, N. J.
Key-Duster Gun (Sprayer). Interstate Chemical Co., Jersey City, N. J.
Keyless Fly Fans. National Enameling & Stamping Co., New York.
Keyless Luminous Dial Clock. Keyless Auto Clock Co., New York.
Keylubric Lubricants. Augustus Crane Buxby, Philadelphia, Pa.
Key Model Wrenches. Coes Wrench Co., Worcester, Mass.
Keynoil Petroleum Products. White Eagle Oil & Refining Co., Wichita, Kan.
Keynote Corn Shellers. International Harvester Company of America, Inc., Chicago.
Keyridge Lath and Stud Combined. Edwards Mfg. Co., Cincinnati, O.
Keysan Soap Dispensers and Liquid Soap. Interstate Chemical Co., Jersey City, N. J.
Key-State Disinfectant—Approved. Interstate Chemical Co., Jersey City, N. J.
Keystona Enamel. Keystone Varnish Co., Brooklyn, N. Y.
Keystone Acid Proof Metal. Keystone Bronze Co., Pittsburgh.
Keystone Auto Creepers, Steel Mats. Keystone Wire Matting Co., Beaver Falls, Pa.
Keystone Automobile Springs. Keystone Spring Works, Philadelphia.
Keystone Ball Wicking. R. Bishop Mfg. Co., South Boston, Mass.
Keystone Barn Door Hangers. McKinney Mfg. Co., Pittsburgh.
Keystone Black Filler. Keystone Minerals Co., New York.
Keystone Blast Hole Drills, Power Shovels, Well Drilling Machines, Excavators, Trenching Machines. Keystone Driller Co., Beaver Falls, Pa.
Keystone Blasting Paper. Cupples Co., St. Louis, Mo.
Keystone Board Clip, Paper Punch. L. F. Grammes & Sons, Allentown, Pa.
Keystone Boiler Handles. Berger Bros. Co., Philadelphia, Pa.
Keystone Boiler Injectors. Jas A. Griffiths, Philadelphia.
Keystone Brake Springs. Fernald Mfg. Co., North East, Pa.
Keystone Car Flooring. The Berger Mfg. Co., Canton, O.
Keystone Carbon Paper. General Manifold & Fdry. Co., Franklin, Pa.
Keystone Case Linings, Slate Roofing and Insulating Paper and Roofing. Keystone Roofing Mfg. Co., York, Pa.
Keystone Cast Iron Pipe Columns and Pittings. United States Cast Iron Pipe & Foundry Co., Burlington, N. J.
Keystone Cattle Dehorners. Morris T. Phillips, Pomeroy, Pa.
Keystone Clips and Files. L. F. Grammes & Sons, Allentown, Pa.
Keystone Concrete Mixer. Gray Iron Foundry Co., Reading, Pa.
Keystone Condenser. Williams, Brown & Earle, Inc., Phila., Pa.
Keystone Connecting Links. Keystone Drop Forge Works, Dept. H, Chester, Pa.
Keystone Corn Planters. A. B. Farquhar Co., Ltd., York, Pa.
Keystone Copper Steel Sheets. American Sheet & Tin Plate Co., Pittsburgh, Pa.
Keystone Cotton Belting. John Boyle & Co., Inc., New York.
Keystone Cotton Wicking. Bishop Mfg. Co., Robt., Boston, Mass.
Keystone Culvert Kettles. Good Roads Machy. Co., Inc., Kennett Square, Pa.
Keystone Drills, Ratchet, Wrenches and Old Man Drilling Posts. Keystone Mfg. Co., Buffalo, N. Y.
Keystone Driving Box. Keystone Equipment Co., Philadelphia, Pa.
Keystone Electric Railway Supplies. Electric Service Supplies Co., Philadelphia.
Keystone Emery and Corundum Wheels. Walter C. Gold, Phila.
Keystone Expansion Bolts. Diamond Expansion Bolt Co., New York.
Keystone Farriers' Knives. Champion Tool Co., Meadville, Pa.
Keystone Farm Trucks. International Harvester Company of America, Inc., Chicago.
Keystone Feed Cutters. Ellis Keystone Agricultural Works, Pottstown, Pa.
Keystone Fence Staples, Telephone Wire. Keystone Steel & Wire Co., Peoria, Ill.
Keystone Files, Grooving Saws. H. Disston & Sons (Inc.), Phila.
Keystone Fire Extinguishers. Am. La France Fire Engine Co., Elmira, N. Y.
Keystone Fire-Proof Floors. Keystone Fireproofing Co., Philadelphia.
Keystone Flat Wall Finish. Keystone Varnish Co., Brooklyn, N. Y.
Keystone Flax Packing. John M. Watt's Sons, Philadelphia, Pa.
Keystone Flexible Mats. Geo. A. Williams & Son, New York.
Keystone Floor Finish and Varnish. Keystone Varnish Co., Brooklyn, N. Y.
Keystone Force Feed Lubricators. J. E. Lonegran Co., Philadelphia.
Keystone Foundry Flux. Basic Mineral Co., Pittsburgh.
Keystone Fruit Presses. Keystone Door Check Co., Harrisburg, Pa.
Keystone Gas Burners. Wilson & Daum Co., Pittsburgh, Pa.
Keystone Garden Hose. Mulconroy Co., Inc., Philadelphia.
Keystone Gasoline Engines. West Chester Engine Co., West Chester, Pa.
Keystone Glidden Barbed Wire. Pittsburgh Steel Co., Pittsburgh, Pa.
Keystone Greases, Lubricants and Oils. Keystone Lubricating Co., Philadelphia, Pa.
Keystone Grinding Wheels. Walter C. Gold, Philadelphia, Pa.
Keystone Grindstones. Cleveland Stone Co., Cleveland, O.
Keystone Gypsum Products. Keystone Fireproofing Co., New York.
Keystone Hair Felt. Johns-Manville, Incorporated, New York.
Keystone Hair Insulator. Johns-Manville, Incorporated, New York.
Keystone Hay and Corn Cutter Knives. Wallingford Mfg. Co., Wallingford, Vt.
Keystone Hickeys, Tripods, Porch Light Brackets, Etc. Queen City Foundry Co., Buffalo, N. Y.
Keystone Hoists. Keystone Garage Equipment Co., Boston, Mass.
Keystone Hose Racks and Reels. Mulconroy Co., Philadelphia, Pa.
Keystone Hot Air Registers. Wm. Highton & Sons Co., Nashua, N. H.
Keystone Injectors. James A. Griffiths & Son, Philadelphia, Pa.
Keystone Inner Tubes. Keystone Rubber Mfg. Co., Erie, Pa.
Keystone Insulator and Felt Bldg. Sheatings. Johns-Manville, Inc., New York.
Keystone Lamp Black. Bihn & Wolff Co., Ash & Almond, Philadelphia.
Keystone Lamp Chimneys. Macbeth-Evans Glass Co., Pittsburgh.
Keystone Lawn and Garden Rollers. A. Buch's Sons Co., Elizabethtown, Pa.; Harriman Mfg. Co., Harriman, Tenn.
Keystone Lamp Guards. Electric Service Supplies Co., Phila., Pa.
Keystone Lever Switches. Frank W. Morse, Boston.
Keystone Lime Burning Kilns. Steacy-Schmidt Mfg. Co., York, Pa.
Keystone Linen Thread. R. J. Ederer Thread Co., Philadelphia.
Keystone Links. Keystone Drop Forge Works, Chester, Pa.
Keystone Lubricating Oil and Greases. Richardson Lubricating Co., Quincy Ill.
Keystone Lubricators. American Lubricator Co., Detroit.
Keystone Measuring Instruments. Keystone Electrical Instrument Co., Philadelphia, Pa.
Keystone Meat and Food Choppers. Colebrookdale Iron Co., Pottstown, Pa.
Keystone Moving Picture Machines. Keystone Mfg. Co., Boston.
Keystone Motor Trucks. Keystone Motor Truck Corp., Oaks, Pa.
Keystone Night Latches and Padlocks. E. T. Fraim Lock Co., Lancaster, Pa.
Keystone Paint Fillers. Keystone Paint & Filler Co., Muncy, Pa.
Keystone Paper Cutting Machines. Standard Machy., Mystic, Conn.
Keystone Paper Hanger Trimmers. A. Allen & Co., Philadelphia.
Keystone Pipe Fittings, Union. Stanley G. Flagg & Co., Phila., Pa.
Keystone Portable Well Drilling Machine, Excavators. Keystone Driller Co., Beaver Falls, Pa.
Keystone Poultry Fountains. Pa. Stamping Co., York, Pa.
Keystone Pulleys. Dodge Sales & Engineering Co., Mishawaka, Ind.
Keystone Railroad Hand Lanterns. Keystone Lantern Co., Philadelphia, Pa.
Keystone Railroad Signal Wire. Hazard Mfg. Co., Wilkes-Barre, Pa.
Keystone Railroad Tool Grinders. Keystone Grinder & Mfg. Co., Pittsburgh.
Keystone Ratchets. Keystone Mfg. Co., Buffalo, N. Y.
Keystone Rivetless Chains. Wilmot Engng. Co., Hazleton, Pa.
Keystone Roofing Cement. Berger Bros. Co., Philadelphia, Pa.
Keystone Rubber Hose. Fabric Fire Hose Co., New York.
Keystone Safety Shackle Hooks. Keystone Drop Forge Works, Chester, Pa.

Keystone Saw Clamps. Joseph Woodwell Co., Pittsburgh.
Keystone School Heaters. Hero Furnace Co., Sycamore, Ill.
Keystone Seals and Presses. Keystone Seal & Press Co., Brooklyn.
Keystone Shims, Washers and Gaskets. Keystone Gasket Mfg. Co., Philadelphia, Pa.
Keystone Steam & Hot Water Heaters. Broomell, Schmidt & Co., Ltd., York, Pa.
Keystone Steel Mats. Keystone Wire Matting Co., Beaver Falls, Pa.
Keystone Storm Proof Coverings. Keystone Canvas Goods Co., Inc., Philadelphia, Pa.
Keystone Stove Clay. Rogers & Co., Royersford, Pa.
Keystone Swivel Eye Awning Blocks. Wilcox, Crittenden & Co., Inc., Middletown, Conn.
Keystone Thermo Foundry Fluxes. Basic Mineral Co., Pittsburgh.
Keystone Ties. Keystone Rubber Mfg. Co., Erie, Pa.
Keystone Tool Grinders. Keystone Grinder & Mfg. Co., Pittsburgh, Pa.
Keystone Tool Holder. Keystone Equipment Co., Philadelphia, Pa.
Keystone Trunk Fibre. National Vulcanized Fibre Co., Wilmington, Del.
Keystone Turbine Water Wheels. Ephrata Foundry & Machine Co., Pittsburgh, Pa.
Keystone U Castings and Locomotive Frames. Union Steel Casting Works, Pittsburgh, Pa.
Keystone Unions. Stanley G. Flagg & Co., Philadelphia, Pa.
Keystone Upholstering Tacks. Turner & Seymour Mfg. Co., Torrington, Conn.
Keystone Varnish. Keystone Varnish Co., Brooklyn.
Keystone Ventilators. Follansbee Bros. Co., Pittsburgh.
Keystone Visible Gasoline and Oil Vendors. Keystone Iron & Steel Works, Los Angeles.
Keystone Vises. Hollands Mfg. Co., Erie, Pa.
Keystone Water Meters. Pittsburgh Meter Co., East Pittsburgh, Pa.
Keystone Waterproofing. Integral Waterproofing Co., New York.
Keystone Wire Matting. Geo. A. Williams & Son, New York.
Keystone Wires and Cables. Hazard Mfg. Co., Wilkes-Barre, Pa.
Keystone Wood Fibre Plaster. American Cement Plaster Co., Lawrence, Kans.
Keystone Wrought Steel Pulleys. Rhode Island Supply & Sprinkler Co., Providence, R. I.
Keystone Excellent Gaskets, Washers, Shims, Sheet Metal Stamping, Punches and Dies. Keystone Gasket Mfg. Co., Philadelphia.
Keystone Giant Strain Insulators. Electric Service Supplies Co., Philadelphia.
Keystone Improved American, Greek and Turkish Emery. Keystone Emery Mills, Philadelphia.
Keystone 30 Tractors. Keystone Iron & Steel Wks., Los Angeles.
Keystone V. T. Sockets. Keystone Radio Co., Greenville, Pa.
Key-Tile Roofs and Partitions. Keystone Fireproofing Co., New York.
Khasia Brand Emery. Niagara Emery Mills, Inc., New York.
Khedive Barber Hair Clipper. Coates Clipper Mfg. Co., Worcester, Mass.
Khotal Kerosene Oil Heaters, Stoves and Torches. Wm. H. Otto Metal Goods Corp., Jersey City, N. J.
Kibosh Shoe Blacking and Polishes. Frank Miller Co., New York.
Kickapoo Barbed Wire. Keystone Steel & Wire Co., Peoria, Ill.
Kid Shoveling Boards. Hayes Pump & Planter Co., Galva, Ill.
Kid Sight Feed Lubricators. Detroit Lubricator Co., Detroit, Mich.
Kid Spark Plugs. Reflex Ignition Co., Cleveland.
Kidd Efficiency Steels. Kidd Drawn Steel Co., Aliquappa, Pa.
Kidder All Iron Saw Benches. R. E. Kidder Co., Worcester, Mass.
Kidder's Punches, Shears and Benders. J. F. Kidder Mfg. Co., Bur
Kiddie Car Children's Vehicles. H. C. White Co., North Bennington, Vt.
Kiddie Koop Cribs. E. M. Trimble Mfg. Co., Rochester, N. Y.
Kidwell In-Flo Water Tube Boiler. Kidwell Boiler & Engrg. Co., Milwaukee, Wis.
Kiel Flexible Joints. F. W. Miller Heating Co., Chicago.
Kiel Flexible Pipe Joints. Kiel Flexible Pipe Joint Co., Inc., Louisville, Ky.
Kiegel Theatre Switchboards. Universal Elec. Stage Lighting Co., New York.
Kieley Pump Governor. Kieley & Mueller, New York.
Kiesler Clam Shell Buckets. Kiesler Co., Chicago.
Ki-Korp Pistons. Keuka Industries, Inc., Hammondsport, N. Y.
Kilbourn Locomotive Sanders. Frank Bidlon Co., Boston, Mass.
Kilhorps Engine Pistons. Keuka Industries, Inc., Hammondsport, N. Y.
Kilby Logging Cars. Kilby Car & Foundry Co., Anniston, Ala.
Kilbourn Sand Boxes. Frank Ridlon Co., Boston.
Kilindo Cable. Macomber & Whyte Rope Co., Chicago.
Kilker's Matte Taping Cars. Pacific Foundry Co., San Francisco.
Killark Electric Fuses, Switch Boxes, Transformers. Killark Electric Mfg. Co., St. Louis, Mo.
Killefer Subsoiler Plows and Agricultural Implements. Killefer Mfg. Co., Huntington Park, Calif.
Kill-Glare Glare Visors. Auto Glass & Mirror Corp., Buffalo, N. Y.
Killitol Disinfectants. Norman C. Hayner Co., Chicago.
Kilmol Squirrel and Gopher Poison. Herbert F. Dugan, San Francisco.
Kilmoth Aromatic Red Cedar. Kilmoth Products Co., New York.
Kilstain Plastic Cleaner. Schalk Chemical Co., Los Angeles, Calif.
Kilzit Disinfectants. Fulton Bag & Cotton Mills, Atlanta, Ga.
Kimball Auto Jack. F. W. Mann Co., Milford, Mass.
Kimball Ball Bearing Jacks. F. H. Kimball Co., Milford, Mass.
Kimball Elevators. Kimball Bros. Co., Council Bluffs, Ia.
Kimball Motor Trucks. Kimball Motor Truck Co., Los Angeles, Calif.
Kimball's Hand Soap. C. M. Kimball Co., Winthrop, Mass.
Kimball's Red Cap Metal Polish. C. M. Kimball Co., Winthrop, Mass.
Kimble Motors. Kimble Electric Co., Chicago.
Kimbo Wind Shield Cleaners. C. P. Kimball & Co., Chicago.
Kimkin Auto Wrecking Trucks and Draw Bars. Kimmerle Bros., San Francisco.
Kinca Rubber Hose. Electric Hose & Rubber Co., Wilmington, Del.
Kine Water Closets. Sanitas Mfg. Co., Boston.
Kineo Range Boilers. Walls, Owen & Stambach Co., Philadelphia.
Kinetoscope Moving Picture Machines. Thos. A. Edison, Orange, N. J.
King Aerators, Ventilating Systems for Barns, Hog Houses, Poultry Houses, Creameries and Garages. King Ventilating Co., Owatonna, Minn.
King Air Rifles. Markham Air Rifle Co., Plymouth, Mich.
King Annunciators. Patrick & Wilkins Co., Phildaelphia.
King Ash and Garbage Cans, Garbage Pails. Cincinnati Galvanizing Co., Cincinnati, O.
King Auger Bits. Snell Mfg. Co., Fiskdale, Mass.
King Automobiles. King Motor Car Co., Detroit, Mich.
King Babbitting Mask. Julius King Optical Co., New York.
King Bee Barn Door Hangers. Lawrence Bros., Sterling, Ill.
King Bee Splicing Clamps. F. A. Nusbaum, Lockland, O.
King Bee Stoves. King Stove & Range Co., Sheffield, Ala.
King Brand Belt Dressing. Damascus Mfg. Co., Cleveland.
King Brayton Face Mask. Julius King Optical Co., New York.
King Bronze Bearings and Bushings. Kingwell Bros. California Brass Works, San Francisco.
King Can Filling Machines. Ayars Machine Co., Salem, N. J.
King Can Openers. Browne & Dowd Mfg. Co., Meriden, Conn.
King Chain Hoist. A. R. King Mfg. Co., Kingston, N. Y.
King Clamps. Dixon Valve & Coupling Co., Philadelphia, Pa.
King Coat and Hat Hooks. Parker Wire Goods Co., Worcester, Mass.; Wickwire Spencer Steel Corp., New York.
King Coin and Currency Box. Times Printing & Mfg. Co., Thief River Falls, Minn.
King Concrete Block Machines. The Miles Mfg. Co., Jackson, Mich.
King Concrete Busters; Beading, Calking, Chipping, Riveting Hammers; Rivet Cutters; "Sleeve" Valves for Riveting Hammers. The King Pneumatic Tool Co., Chicago.
King Corn Planters, Feed Cutters, Root Cutters. Donaldson Bros., Mount Clemens, Mich.
King Cotton Belting. Chesapeake Belting Co., Baltimore, Md.
King Cutting Oil, Greases and Lubricants. Damascus Mfg. Co., Cleveland, O.
King Door Hangers, Grindstones. Richards-Wilcox Mfg. Co., Aurora, Ill.
King Drain and Tiling Shovels. Osmundson Spade Mfg. Co., Perry, Ia.
King Drag Road Scrapers. The Lansing Company, Lansing, Mich.
King Fire Department Lanterns. R. E. Dietz Co., New York.
King Fire Hose. Empire Tire & Rubber Corp., Trenton, N. J.
King Fisher Mattress and Furniture. King-Fisher Mattress Co., Portland, Ore.
King Fly Swatters. U. S. Wire Mat Co., Decatur, Ill.
King Gasoline Lighting Systems. King Light Co., Peoria, Ill.
King Grain Drills. King Drill Mfg. Co., Nebraska City, Neb.
King Graphite Black Sheet Packing. W. D. Allen Mfg. Co., Chicago.
King Harness Snaps. Covert Mfg. Co., Troy, N. Y.
King Hose. Empire Tire & Rubber Corp., Trenton, N. J.
King Koal Karburetor. Frederick Sabin & Co., Inc., Philadelphia, Pa.
King Kore Core Compounds. Frederic B. Stevens, Inc., Detroit, Mich.
King Lawn Mowers. Dille & McGuire Mfg. Co. Richmond, Ind.
King Leather Belting. Detroit Oak Belting Co., Detroit, Mich.
King Metallic Packing; Oil Cups; Sanders; Hand Boring Lathe. United States Metallic Packing Co., Philadelphia, Pa.
King Minnow Nets. W. H. Reisner Mfg. Co., Hagestown, Md.
King of Cutters Glass Cutters. H. C. Hart Mfg. Co., Unionville, Conn.
King of the Forest Axes. American Axe & Tool Co., Glassport, Pa.
King of Lights Gasoline Lanterns. Am. Gas Mach. Co., Inc., New York.
King of the Woods Drag Saw. Reierson Machinery Co., Portland, Ore.
King of the Woods Hunting Knives. Cattaraugus Cutlery Co., Little Valley, N. Y.
King Padlock Locks. U. S. Lock & Hdwe. Co., Columbia, Pa.
King Pipe Joint Compounds. Walter E. King, Cincinnati, O.
King Pot Chains. Woods-Sherwood Co., Worcester, Mass.
King Pressure Toggles. R. D. King, Chicago.
King Safety Razors. Clark Blade & Razor Co., Newark, N. J.
King Sand Blast Helmet. Julius King Optical Co., New York.
King Screen Door Hinges. Allith Prouty Co., Danville, Ill.
King Screw Drivers. C. E. Jennings & Co., New York.
King Smokeless Powder. King Powder Co., Cincinnati, O.
King Spirit Levels. King Level Works, Brighton, Mich.
King Steam Engine Governors. Sinker-Davis Co., Indianapolis, Ind.
King System Ventilators. King Ventilator Co., Owatonna, Minn.
King Tank Heaters. Kelly Foundry & Machine Co., Goshen, Ind.
King Water Coolers. Everson Filter Co., Chicago.
King Water Meters. The Union Water Meter Co., Worcester, Mass.
King Well Buckets. Richmond Cedar Works, Richmond, Va.
King White Way Lamp Posts. King Mfg. Co., St. Joseph, Mo.
Kingery's Corn Poppers. Kingery Mfg. Co., Cincinnati, O.
Kingfisher Fish Line. E. J. Martin's Sons, Rockville, Conn.
Kingfisher Hydraulic Sheet Packing and Belting. Strong Machinery & Supply Co., New York.
Kingley Automobile Wind Shields. Western Mechanical Works, Los Angeles, Calif.
Kingmade Leather and Leatherette Coats. Kling Bros. & Co., Inc., Chicago.
Kingman Harrow Carts. Peoria Drill & Seeder Co., Peoria, Ill.
King's Arc Lamp Posts. King Mfg. Co., St. Joseph, Mo.
King's Automatic Sash Lock. Smith & Egge Mfg. Co., Bridgeport, Conn.
Kingsbury Sensitive Drilling Machines and Toys. Kingsbury Mfg. Co., Keene, N. H.
King's Cold Water Paints. King Paint Mfg. Co., Brooklyn, N. Y.
King's Eye-Safe Safety Goggles. Julius King Optical Co., New York.
King's Gas Recording Pressure Gauges. American Meter Co., Phila.
King's Mountain Gypsum. Southern Gypsum Co., North Holston, Va.
King's Mountain Wall Plaster. Southern Gypsum Co., North Holston, Va.
King's Patent Blue Grass Harvesters. R. C. King, Carlisle, Ky.
King's Sash Bolt and Support. Smith & Egge Mfg. Co., Bridgeport, Conn.
King's 2-Ring Chains. Wire Goods Co., Worcester, Mass.
King's Wood Stains. Chicago White Lead & Oil Co., Chicago.
Kinghorn Pump Valves. Kinghorn Pump Valve Co., Brooklyn, N. Y.
Kingsbury Thrust Bearings. Albert Kingsbury, Pittsburgh, Pa.
Kingsford Pumps, Boilers, etc. Kingsford Foundry & Machine Works, Oswego, N. Y.
Kingsford Scotch Boilers. A. D. Granger Co., New York.
Kingsnap Spring Steel Snaps. National Safety Snap Co., Wilmington, O.
Kingston Air Compressors. Guarantee Engineering & Machine Co., Los Angeles, Calif.
Kingston Carburetors. Byrne, Kingston & Co., Kokomo, Ind.
Kingston Gas Igniters, Spark Coils, Spark Plugs, Special Tire Air Pumps. Kokomo Electric Co., Kokomo, Ind.
Kingston Heavy Washdown with Jet Water Closet. Central Metal & Supply Co., Baltimore, Md.
Kingston Pumps, Lubricators, Spark Coils. Bock & Severin, Chicago.
Kingston Spark Coils, Plugs and Magnetos. Kokomo Electric Co., Kokomo, Ind.
Kingwood Stone. Kingwood Quarries Co., Kingwood, W. Va.
Kinite High Speed Steel. Kinite Co., Milwaukee, Wis.
Kinnear Rolling Doors and Shutters and Bi-Folding Doors. Kinnear Mfg. Co., Columbus, O.
Kinnear's Metal Ceilings. The Kinnear & Gager Mfg. Co., Columbus, O.
Kinney Auto Bituminous Material Heater and Distributor. Kinney Mfg. Co., Boston, Mass.
Kinney Vacuum Pumps. Kinney Mfg. Co., Boston.

Kinsman Electric Desk Lights. David Killoch Co., New York; McLeod, Ward & Co., New York.
Kinzie Gasoline Blow Torches. Turner Brass Works, Sycamore, Ill.
Kipco Brand Duplicator Ink. Kruse Printing Ink Co., New York.
Kipp Force and Sight Feed Lubricators. Madison Kipp Corp., Madison, Wis.
Kirby Bung Hole Borers. U. S. Bung Mfg. Co., Brooklyn, N. Y.
Kirby Lubricators. Detroit Shipbuilding Co., Detroit, Mich.
Kirby-Neal Electric Headlights. Dayton Mfg. Co., Dayton, O.
Kirby Toys With Bells On. Kirby Mfg. Co., Middletown, Conn.
Kircheis Lock Seamers, Can Making Machinery and Imported Tinners' Tools. Marburg Bros., New York.
Kirker-Bender Fire Escapes. Dow Wire & Iron Wks., Louisville, Ky.
Kirkwood Fuel Oil Burners. Tate-Jones & Co., Pittsburgh.
Kirtley-Stephens Binders. Hugh Stephens Ptg. Co., Jefferson City, Mo.
Kismet Varnishes, Japans. Chase, Roberts & Co., Long Island City, N. Y.
Kissel Motor Car Trucks. Kissel Motor Car Co., Hartford, Wis.
Kit Screw Drivers. Cassady Fairbanks Mfg. Co., Chicago.
Kitchen Reversing Rudders, Brass and Galvanized Steel. McNab Co., Bridgeport, Conn.
"Kitchenbook" Gasoline Stoves. American Gas Machine Co., Inc., New York.
Kitson Boiler Couplings. Jno. Hamilton Brass Works, Bridgeport, Conn.
Kittle Luggage Carriers. Kittle Mfg. Co., Chicago.
Kitts Governors, Regulators, etc. Kitts Mfg. Co., Oswego, N. Y.
Klamath Rubber and Pneumatic Hose. Pioneer Rubber Mills, San Francisco.
Klasing Car Brakes. D. R. Niederlander, St. Louis, Mo.
Klauber Dead Line Clevis. Hubbard & Co., Pittsburgh, Pa.
Klauer-Baxter Charcoal Car Heater. Klauer Mfg. Co., Dubuque, Ia.
Klauer Cut-out or Foot Switch. Klauer Manufacturing Company, Dubuque, Ia.
Klaxon Horns, Signals, Etc. Klaxon Co., Newark, N. J.
Klaxocator Signal Systems. Klaxon Co., Newark, N. J.
Klean Heat Hardener. Park Chemical Co., Detroit, Mich.
Kleanair Hoods. Safety Equipt. Serv. Co., Cleveland.
Klean-Wel Soap, Powders and Cleaners. Klean-Wel Mfg. Co., Cleveland.
Klean Well Yarn Hand Dusters. Universal Brush Co., Freeport, Ill.
Kleaneasie Polishing Compounds. C. B. Dolge Co., Westport, Conn.
Kleancut Gages. Bogardus Co., Chicago.
Klean-It Paint Remover. W. W. Lawrence & Co., Pittsburgh, Pa.
Kleartone Shellac and Wood Stains. Standard Varnish Co., New York.
Klear View Windshield Cleaner. Super-Glos Mfg. Co., San Francisco.
Klecker Automatic Corn Beet Shifter. Keuka Industries, Inc., Hammondsport, N. Y.
Kleenadrain Pipe Cleaner. U. S. Sanitary Specialties Corp., Chicago.
Kleenaglas Rust and Stain Remover. U. S. Sanitary Specialties Corp., Chicago.
Kleen-A-Pipe Cleaners, Compounds, Disinfectants, Liquid Soap and Floor Brushes. Cedar-Sweep Co., San Francisco, Cal.
Kleenatub Soap Powder. Cooper Sanitary Mfg. Co., Philadelphia.
Kleen-E-Base Carbon Paper. Consolidated Ribbon & Carbon Co., Chicago.
Kleen Cut Soluble Oil. D. A. Stuart & Co., Inc., Chicago.
Kleen-Kup Wood Fibre Container. Mono-Service Co., Newark, N. J.
Kleankut Forgings. Great Lakes Forge Co., Chicago.
Kleernote Player Piano Pumps. United Music Stores, Philadelphia.
Klee-Nup Cleaner. Klee-Nup Mfg. Co., Hancock, Mich.
Kleenwipe Auto Waste. Bishop Mfg. Co., Root, Boston, Mass.
Kleiber Motor Trucks. Kleiber Motor Truck Co., San Francisco.
Klein Ground Connection Clamps. Ernest Klein & Bro., New York.
Klein Linemen's Tools. Mathias Klein & Sons, Chicago.
Klein Machinery. A. Magnus Sons Co., Chicago.
Klein Pipe Tongs. Oil Well Supply Co., Pittsburgh.
Klein Pliers and Nippers. M. W. Robinson Co., New York.
Klein Tong Bits. Chas. N. Hough Mfg. Co., Franklin, Pa.
Klein's Tree Trimmers, Trolley Wire Clamps. Mathias Klein & Sons, Chicago.
Klemm Acetylene Gas Lamps. Klemm & Co., Philadelphia.
Klemm Arc Lamps and Reflectors. Klemm & Co., Philadelphia, Pa
Klemm Motor Trucks, Tilting Metal Band Saws, Stone Jacks, Windlasses, Etc. E. R. Klemm, Chicago.
Klensa Paint Remover. Standard Varnish Works, New York.
Klensaut Polish and Cleaner. Frank N. Stuckey, Flushing, N. Y.
Klenzer Compounds. Fitzpatrick Bros., Chicago.
Kler-Kut Carbon Paper, Typewriter Ribbons and Stamp Pads. S. D Childs & Co., Inc., Chicago.
Kliegl Bros. Electrical Supplies. Universal Elec. Stage Lighting Co., Inc., New York.
Kliegl Electric Stage Lights and Theater Switchboards. Universal Elec. Stage Lighting Co., Inc., New York.
Kliko Liquid Soap, Disinfectants, Etc. Kline Co., San Francisco.
Klinch Nails. Standard Railway Equipment Co., Chicago.
Kline Automatic Variety Lathes. Lewis T. Kline, Alpena, Mich.
Kline Kar Automobiles. Kline Kar Corporation, Richmond, Va.
Kline Hydraulic Rams. Geo. S. Comstock & Son., Mechanicsburg, O.
Kling Hame Fasteners. National Safety Snap Co., Wilmington, O.
Klinger Gauge Glasses, Water Gauges. Jerguson Gage & Valve Co., Somerville, Mass.
Klinger Water Gauges. Wiltbonco Mfg. Co., Boston.
Klingerit Gaskets, Nuts, Packing. Crane Co., Chicago.
Kling Fast Belt Cements. J. E. Rhoads & Sons, Philadelphia, Pa.
Klingfast Pipe Vises. Walworth Mfg. Co., Boston.
Klingfast Vises. Walworth Mfg. Co., Boston, Mass.
Kling Hame Fasteners. National Safety Snap Co., Wilmington, O.
Kling Koat Cement Coating. Concrete Waterproof Paint Co., Phila., Pa.
Kling Koat Paints. Concrete Waterproof Paint Co., Philadelphia.
Klinghorn Pump Valves. U. S. Indestructible Gasket Co., New York
Klinger Type Gauge Glasses. H. A. Rogers Co., New York.
Klingret Type Rubber Solution Machines. J. Baker's Sons & Perkins Co., Inc., White Plains, N. Y.
Klingsnaps. National Safety Snap Co., Wilmington, O.
Klingstone Extract Plastering. Cleveland Builders Supply Co., Cleveland, O.
Klingstone Stucco Mfrs. Cleveland Bldrs' Sup. & Brick Co., Cleveland.
Klingtite Belting. Goodyear Tire & Rubber Co., Akron, O.
Klingtite Packing. U. S. Indestructible Gasket Co., New York.
Klingtite Steam Packing. Niagara Falls Ont. Gasket & Packing Co., Brooklyn, N. Y.
Klipper Clothes Washing Machines. H. F. Liammer Mfg. Co., Davenport, Ia.
Klipto Loose Leaf Binders. Klipto Co., Inc., Mason City, Ia.
Klondike Incubators and Brooders. Klondike Incubator Co., Des Moines, Ia.
Klondike Tank Heaters. Butler Co., Butler, Ind.
Kondyke Barrows. The Lansing Company, Lansing, Mich.
Klosner Radio Rheostats. Klosner Improved Apparatus Co., New York.
Kloz-E-Z Checking Hinge. Shelby Metal Products Co., Shelby, O.
Klymax Boilers, Economizers, Generators, Hangers, Heaters, Stoves, Kellogg-Mackay-Cameron Co., Chicago.
Klymax Fountain Pen Clips. Consolidated Safety Pin Co., Bloomfield, N. J.
Klymax Steam and Hot Water Heater. Kellogg, Mackay Co., Chgo.
Knapp Broom Holders, Carpet Stretchers. Bradley & Farnham, Middlefield, Conn.
Knapp Protection Factory Fences and Gates, and Standard Wire Partitions. The Knapp Fence Co., Cleveland, O.
Knapp Trace Carriers. North & Judd Mfg. Co., New Britain, Conn.
Knapp Automatic Labeling and Boxing Machines. Fred. H. Knapp & Co., Baltimore, Md.
Knapp Electric Fans. Knapp Electric & Novelty Co., New York.
Knapp Plows, Cultivators, etc. Knapp Plow Co., Inc., San Jose, Cal.
Knapp System Sanitary Metal Building Trim and Base Grounds. Knapp Bros. Mfg. Co., Chicago.
Knapp Wrought Iron and Steel Grills. Knapp Fence Co., Cleveland.
Knead-Full Bread Mixers. Gem Stamped Steel Co., Chelsea, Mass.
Knickerbocker Bath Sprays and Brushes. Knickerbocker Mfg. Co., Chicago.
Knickerbocker Carts. The Lansing Company, Lansing, Mich.
Knickerbocker Cement. Knickerbocker Portland Cement Co., New York.
Knickerbocker Concrete Mixers. Knickerbocker Co., Jackson, Mich.
Knickerbocker Junction or Outlet Boxes. Lord Electric Co., New York.
Knickerbocker Mixers. The Knickerbocker Co., Jackson, Mich.
Knickerbocker Thermometers. C. J. Tagliabue Mfg. Co., Brooklyn.
Knickerbocker Made Right Sample Cases, Bags, Portfolios, Motor Dining Kits, Fishing Tackle Kits, etc. Knickerbocker Case Co., Chicago.
Knickerbocker Wardrobe Trunk. Harry C. Loops, successor to Geo. Burroughs & Sons, Milwaukee, Wis.
Knife-Handle Wrenches. Coes Wrench Co., Worcester, Mass.
Knight Acid Brick. Maurice A. Knight, Akron, O.
Knight All White Sta-Kleen—Soda Water Fountain. Knight Light & Soda Fountain Co., Chicago.
Knight Drilling and Milling Machines. W. B. Knight Machinery Co., St. Louis, Mo.
Knight Imperial Soda Water Fountains. Knight Light & Soda Fountain Co., Chicago.
Knight-Merco Lubricated Plug Valves and Faucets. Maurice A. Knight, Akron, O.
Knight Sanitary Vitreous Soda Fountains. Knight Light & Soda Fountain Co., Chicago.
Knight Saw Mill Dogs. Sinker-Davis Co., Indianapolis, Ind.
Knight's Saw Mill Dogs. American Sawmill Machinery Co., Hackettstown, N. J.
Kno-Glair Linen Shades. J. A. Whaley & Co., New York.
Knob-E-Knob Sliding Furniture Shoes. Hatheway Mfg. Co., Bridgeport, Conn.
Knobs Matting. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Kno-Burn Expanded Metal Lath. North Western Expanded Metal Co., Chicago.
Knockdown Bleachers for Athletic Fields, Etc. Leavitt Mfg. Co., Inc., Urbana, Ill.
Knocker Fertilizer Distributors. B. F. Avery & Sons, Louisville, Ky.
Kno-Fur Expanded Metal Lath. North Western Expanded Metal Co., Chicago.
Knoll Washing Machines. Janas L. Knoll Mfg. Co., Lebanon, Pa.
Kno-Pak Valves. Universal Valve Co., Burlington, Wis.
Knopp Load Testing Equipment. Western Electro Mechanical Co., Oakland, Cal.
Kno-Rusto. Pyramid Chemical & Paint Co., Philadelphia, Pa.
Knot Clipper Axes. Mann Edge Tool Co., Lewiston, Pa.
Knot Passing Clothes Line Pulleys. Peck, Stow & Wilcox Co., Southington, Conn.
Knott's Gear Driven Static Electric Machines. L. E. Knott Apparatus Co., Cambridge, Mass.
Knowles Automatic Striker Spoon Bait. S. E. Knowles Co., San Francisco.
Knowles Key-Seating Machines. Pawtucket Mfg. Co., Pawtucket, R. I.
Knowles Steam Pumps. Knowles Steam Pump Works, New York.
Knowlson's Spring Leaf Spreader. Spring Leaf Lubricator Co., Ann Arbor, Mich.
Knowlton Hammock. Gold Medal Camp Furniture Mfg. Co., Racine, Wis.
Knowlton Packing. Geo. W. Knowlton Rubber Co., Ann Arbor, Mich.; Lubron Co., Everett, Mass.
Knox Engines. Camden Anchor-Rockland Machine Co., Camden, Me.
Knox Fluting Machines. North Bros. Mfg. Co., Philadelphia.
Knox Gasoline Engines, Propeller Wheels, Carbureters. Camden Anchor-Rockland Mach. Co., Camden, Me.
Knox Hose Carriage and Carts. Wirt & Knox Mfg. Co., Philadelphia.
Knox Hose Couplings, Nipples, Nozzles and Valves. The Knox Mfg. Co., Inc., Philadelphia, Pa.
Knox Motors and Tractors. Knox Motors Associates, Springfield, Mass.
Knox Open Hearth Furnace Doors and Frames and Electric Welding. Blaw-Knox Co., Pittsburgh, Pa.
Knox Potato Diggers. Gowanda Agricultural Works, Gowanda, N. Y.
Knox Pressed and Welded Steel Construction, Steel Plate Work, Water Cooled Equipment for Furnaces. Blaw-Knox Co., Pittsburgh, Pa.
Knox Sole Blocking Machines. Quarmby & Hilliker, Lynn, Mass.
Knox-Steel Products. Blaw-Knox Co., Pittsburgh, Pa.
Knox Tractors, Automobile and Gasoline Marine Engines. Knox Motors Co., Springfield, Mass.
Knox Valves, Couplings. Knox Mfg. Co., Philadelphia, Pa.
Knoxall Automobile and Vegetables Oil Soap. Hoosier Mfg. Co., Indianapolis, Ind.
Knoxall Barn Door Hangers, Wire Stretchers. Hunt, Helm, Ferris & Co., Harvard, Ill.
Knoxall Clothes Washing Machines. H. F. Brammer Mfg. Co., Davenport, Ia.
Knox-All Shovels, Spades, Scoops, Posthole Diggers and Wooden Handles. Baldwin Tool Works, Parkersburg, W. Va.
Knoxall Soap. Hoosier Mfg. Co., Indianapolis, Ind.
Knoxall Textiles. Best & Co., Inc., Edward H., Boston, Mass.
Knoxall Twine. Cliver-Wright-Rainey Co., Cincinnati, O.
Knudsen Auto-Pak Swivel Joints. Knudsen Joint Co., Chicago.
Knutson Retrievers. The Trolley Supply Co., Massillon, O.
Koaster Kid Children's Vehicles. Louis Amberg & Son, New York.
Koban Rowboat Motors. Koban Mfg. Co., Milwaukee, Wis.
Kodak Cameras. Eastman Kodak Co., Rochester, N. Y.
Kochuk Brushes. Rubber & Celluloid Harness Trimming Co., Newark, N. J.

Koehler Bag Printing Presses. Schmutz Mfg. Co., Inc., Louisville, Ky.
Koehler One-Ton Trucks. H. J. Koehler Motors Corp., Newark, N. J.
Koehler Safety Lamp. Koehler Mfg. Co., Marlboro, Mass.
Koehring Concrete Mixers. Koehring Machine Co., Milwaukee, Wis.
Koerting Boiler Injectors, Fuel Oil Burners, Spraying Nozzles. Schutte & Koerting Co., Philadelphia.
Koerting Centrifugal Oil Burners. Schutte & Korting Co., Phila., Pa.
Koeth's Interchangeable Tools. Currier-Koeth Mfg. Co., Coudersport, Pa.
Kohinoor Belt. The Diamond Rubber Co., Inc., Akron, O.
Koh-i-Noor Pencils. Koh-i-Noor Pencil Company, New York.
Koh-I-Noor Snap Fasteners. Waldes & Co., New York.
Kohirausch Bridges. Leeds & Northrup Co., Philadelphia.
Kohlass Sorting Devices. Kohlhaas Co., Chicago.
Kohler Electric Lighting Systems for Farms. Kohler Co., Kohler, Wis.
Kohler Hot Air Furnaces. Hertig Furnace Co., Boston.
Kohler Post Hole Diggers, Currycombs. F. E. Kohler Co., Canton, O.
Kokomo Garden Cultivators. Whitaker Mfg. Co., Chicago.
Kokomo Hi Speed Drill Presses. Superior Machine Tool Co., Kokomo, Ind.
Kokomo Woven Wire Fences. Kokomo Steel & Wire Co., Kokomo, Ind.
Kokomo Pioneer Ornamental Wire Fences and Gates. Kokomo Steel & Wire Co., Kokomo, Ind.
Ko-Ko-No Dust Sweeping Compounds. Alcatraz Co., Inc., Richmond, Va.
Kokosing Feed Cutters. Hocking Valley Mfg. Co., Lancaster, O.
Hold-Prosso Rubber Rings and Jar Clasps. Smalley, Kivlan & Onthank, Boston.
Kolesch Transits and Levels. Kolesch & Co., New York.
Holewood Air-Tight Heaters. A. Geisel Mfg. Co., St. Louis.
Kolfene. U. S. Sanitary Specialties Corp., Chicago.
Kolling Corn Huskers. Kolling Husker Works, Arlington Heights, Ill.
Koll's Lock Joint Porch Columns. A. J. Koll Planing Mill Co., Los Angeles.
Koll's Lock-Joint Wood Columns. Hartman-Sanders Co., Chicago.
Kolorfast Fibre Matting. Harvey Fibre Carpet Co., Philadelphia.
Koltap Pneumatic Water Supply Systems. Vaile Kimes Co., Dayton, O
Komet Grass Hooks. No. Wayne Tool Co., Hallowell, Me.
Komet Magnets. Dow Portable Electric Co., Braintree, Mass.
Komfo Beds and Bedding. Bernstein Mfg. Co., Philadelphia, Pa.
Komi Porch Curtain Shades. R. H. Comey Co., Camden, N. J.
Kominuter Ball Mills. F. L. Smidth & Co., New York
Komo Steam Traps. Linton Machine Co., New York.
Kompak-Automatic Gas Water Heaters. Long-Landreth-Schneider Co., New Brunswick, N. J.
Kompak Tool Kits. Napanach Knife Co., Napanach, N. Y.
Kompokore Magnesite Cements, for Any Articles Moulded or Pressed. Cheney & Co., Inc., New York.
Kompolite Floors and Waintscots. General Compolite Co., New York
Kompolite Sanitary Flooring. General Kompolite Co., Long Island City, N. Y.
Kompolith Sanitary Flooring. Malott & Peterson, San Francisco.
Konical Ventilators. Eller Mfg. Co., Canton, Ohio.
Kongo Water Hose. O. C. Keckley Co., Chicago.
Kon Kave Kut Pencil Sharpeners. Traut & Hine Mfg. Co., New Britain, Conn.
Konkerall Boiler Compound. Scientific Boiler Chemical Wks., Chgo.
Konkerall Scale Remover and Preventive. Scientific Boiler Chemical Works, Chicago.
Konkerit Koating (for Brick or Concrete). Toch Brothers, Inc., New York.
Konkreto. Murphy Varnish Company, Newark, N. J.
Kontak Leather Belting. Geo. Rahmann & Co., New York.
Koolunit Circulating Pumps for Ford Cars and Tractors. F. A. B. Mfg. Co., Oakland, Cal.
Koob Dumping Wagons. Williams, White & Co., Moline, Ill.
Kool-Kut Lubricating Oils. Detroit Soluble Oil Co., Detroit, Mich.
Koon's Metal Surfacers. St. Louis Surfacer & Paine Co., St. Louis, Mo.
Kopka Awnings. Wyandotte Awning & Tent Co., Kansas City, Kan.
Kopp Lenses, Roundels and Signal Glass. R. H. Blackall, Pittsburgh, Pa.
Koppax Paints. Koppers Products Co., Pittsburgh.
Koppel Haulage Equipment. Orenstein-Arthur Koppel Co., Koppel, Pa.
Koppel Industrial Cars. Koppel Industrial Car & Equipment Co., Koppel, Pa.
Kopper King Spark Plug. Sharp Spark Plug Co., Wellington, O.
Kopper-Kote Copper Paints. Armstrong Paint & Varnish Wks, Chgo.
Koppers By-Product Ovens, Gas Plants, Gas Producers and Purification Plants, etc. Koppers Products Co., Pittsburgh.
Korap Lenix Belt Drive. F. L. Smidth & Co., New York.
Kordek Core-bond. Corn Products Refining Co., New York.
Kordavone Imitation Leather. Felsenthal Bros. & Co., Chicago.
Korex Soap. Kendall Products Corp., New York.
Korff Sink Frames. Korff Mfg. Co., Lansing, Mich.
Korka Water Closets. Jas. Barrett Mfg. Co., Boston.
Korker Coke Hose. Quaker City Rubber Co., Philadelphia, Pa.
Kor-Ker Tire Cements and Tire Treatment Preparations. Alcemo Mfg. Co., Newark, N. J.
Korkstone Sanitary Flooring. Williams-Wendt Co., Chicago.
Korn King Grist Mills. Fate-Root-Heath Co., Plymouth, Ohio.
Korn King Shoveling and End Gate Boards. Knapheide, Henry, Wagon Co., Quincy, Ill.
Kornerite. The Berger Mfg. Co., Canton, O.
Korn's Crayons. Wm. Korn, New York.
Koro Core Compounds. Hill & Griffith Co., Cincinnati, O.
Kor Oil (Core Oil). O. F. Zurn Co., Philadelphia, Pa.
Korona Cameras. Gundlach Manhattan Optical Co., Rochester, N. Y.
Korrect Kut Cutting Machines. E. M. Waring, York, Pa.
Korrect Leather Measuring Machines. Turner Tanning Machinery Co., Peabody, Mass.
Korrugo Wood Blocks. Pacific Creosoting Co., Seattle, Wash.
Kortland Belting, Hose and Packing. Manhattan Rubber Mfg. Co., Passaic, N. J.
Korund Oil Stones, Hones, Etc. Chicago Wheel & Mfg. Co., Chicago.
Kosmic Bearing Metal. Magnolia Metal Co., New York.
Kosmos Cements. Kosmos Portland Cement Co., Louisville, Ky.
Kossuth Daters. R. A. Stewart & Co., New York.
Kost Gas Jet Heaters. Kohler Die & Specialty Co., De Kalb, Ill.
Kotar Germicide and Cleanser. Theo. B. Robertson Products Co., Chicago.
Koto-Wax Polishing Materials. Feil Mfg. Co., Cleveland, O.
Kotton-Hyde Leather Faced-Cotton Back Belting. Peerless Belting Co., Gardenville, N. Y.
Kozy Wings Auto-Wind Shields. Kipper & Co., Los Angeles, Cal.
Krackerjack Christmas Tree Holders. Evan L. Reed Mfg. Co., Danville, Ill.
Kraemer Lighters. Kraemer Mfg. Co., New York.
Kraeuter Chisels, Pliers and Ticket Puncher. Kraeuter & Co., Newark, N. J.
Kraft Building Tile. Brazil Hollow Brick & Tile Co., Brazil, Ind.
Krahn Force Feed Lubricator. Krahn Mfg. Co., Milwaukee, Wis.
Krakno Crack and Crevice Filler. R. F. Johnston Paint Co., Cincinnati, O.
Kramer Adjustable Electric Desk Lamps. Imperial Brass Mfg. Co., Chicago.
Kramer Concrete Tampers. Kramer Automatic Tamper Co., Peoria, Ill.
Kramer Dome Fireplace Dampers. Kramer Bros. Foundry Co., Dayton, Ohio.
Kramer Wagons, Automobile Truck Bodies and Trailers. Kramer Wagon Co., Oil City, Pa.
Krantz Outlet Boxes, Panels, Switches, Etc. Westinghouse Electric & Mfg. Co., (Krantz Works), Brooklyn, N. Y.
Kraus Beet Cultivators and Bean Harvester Attachments. Akron Cultivator Co., Akron, Ohio.
Kraus Vacuum Pump. Eimer & Amend, New York.
Krauss Yelopine Lumber. Krauss Bros. Lumber Co., New Orleans, La.
Kreamerware Pails and Cans. A. Kreamer, Inc., New York.
Kredone Paving Blocks and Creosote Oil. Republic Creosoting Co., Indianapolis, Ind.
Kremble Truck Mufflers. Powell Pressed Steel Co., Hubbard, Ohio.
Kreme-Kote Lime. Chas. Warner Co., Wilmington, Del.
Kremlo Storage Batteries. McCauley Storage Battery Co., Cleveland.
Kreolekraft Paper. Southern Paper Co., Moss Point, Miss.
Kreolite Flooring and Paving Blocks; Wood Preservative. The Jennison-Wright Co., Toledo, O.
Kre-O-Sep-Tic Wood Preservatives. St. Paul White Lead & Oil Co., St. Paul, Minn.
Kretzer Brand Lightning Rods. St. Louis Lightning Rod Co., St. Louis, Mo.
Kriebel Vacuum Heating System. Vapor-Vacuum Heating Co., Phila.
Kris-Kros Box Corner Fasteners. Cary Mfg. Co., New York.
Kris-Kros Box Fasteners. Cary Mfg. Co., Brooklyn, N. Y.
Krisolite Wood Fibre Plaster. American Cement Plaster Co., Buffalo.
Krisp-Krust Pie Plates. Wickwire Spencer Steel Corp, Worcester, Mass.
Krit Motor Cars. Krit Motor Co., Detroit, Mich.
Kritzer Lime Hydrating Machinery. Kritzer Co., Chicago.
Kroeschell Boilers. Kroeschell Bros. Ice Machine Co., Chicago.
Kroeschell Feed Water Heaters. Kroeschell Bros. Co., Chicago.
Kroeschell-Schwartz Crucible Furnaces. Kroeschell Bros. Ice Machine Co., Chicago.
Kroh Storm Robes. C. Z. Kroh Mfg. Co., Toledo, Ohio.
Krogh Pumps. The Krogh Pump Mfg. Co., San Francisco, Cal.
Kroma Paints, Toy and School Water Color. American Crayon Co., Sandusky, Ohio and Waltham, Mass.
Kromate Metal Primer. E. I. du Pont de Nemours & Co., Inc., Paint and Varnish Dept., Philadelphia, Pa.
Kromayer Ultra Violet Lamp. Hanovia Chemical & Mfg. Co., Newark, N. J.
Kromax Leather Packings. Watson-Stillman Co., New York.
Krome Belting, Belt Butts, Lace Leather, Cut Lacing, Packing, Discs, Leather, Check Valves and Plunger Washers, Sole Leather, Sole Blocks, Hoof Pads, Lagging Leather, Fan Belts and Motor Cycle Belts. Chicago Rawhide Mfg. Co., Chicago.
Kro-Mar Paints. Morgan Co., Peoria, Ill.
Kromhyde Belt Lacing. Norwich Belt Mfg. Co., Norwich, Conn.
Kromoke Leather Belting. Geo. Rahmann & Co., New York.
Kromoid Shoemaker's Wax. Martin Dennis Co., Newark, N. J.
Kromore Metallic Strips. Driver-Harris Co., Harrison, N. J.
Kron Coal Track Boiler Room Scale. Wilhelm Simonson, New York.
Kron Scales. American Kron Scale Co., (Automatic Springless Dial Scales), New York.
Kronauer's Automobile Trunks. Chas. Kronauer & Co., Chicago.
Kronol X-Ray Developer. Kronenberg X-Ray & Supply Co., Baltimore, Md.
Kronz Castings. Bunce Metal Products, Los Angeles, Cal.
Krotz Oil Filters. Akron Belting Co., Akron, Ohio.
Krueger Gasoline Engines. San Antonio Machine & Supply Co., San Antonio, Texas.
Krupp Grinding and Crushing and Ball and Pebble Mills. Thos. Prosser & Son, New York.
Krusadore Rod Packing. Quaker City Rubber Co., Philadelphia, Pa.
Kruse Switch Box Supports and Lath Holders. Mid-West Metal Products Co., Muncie, Ind.
Krusius Cutlery. Krusius Bros., New York.
Kryptok Lenses. Bausch & Lomb Optical Co., Rochester, N. Y.
Krystal Soiloff Soap. R. M. Hollingshead Co., Camden, N. J.
Krystalline Paste. Williams, Brown & Earle, Inc., Philadelphia, Pa.
Kuehn's Korrekt Korners and Kut-Offs. Milwaukee Corrugating Co., Milwaukee, Wis.
Kuehn's Roll Roofing. Milwaukee Corrugating Co., Milwaukee, Wis.
Kuhn Rebabbitting Tool and Lathe Tool Holder. Hazlett Mfg Co., Kearney, Neb.
Kuhn's Stove Door Pins. Corbin Screw Corporation, New Britain, Conn.
Kuller Kraft Paints, Enamels, Roofing Materials. Color-Craft Co., Cleveland, O.
Kum-Off Paint Remover. Twin City Varnish Co., St. Paul, Minn.
Kumfy Gas Jet Heaters. Ohio State Stove Co., Columbus, Ohio.
Kunkle Pop Safety Valves. Wm. Powell Co., Cincinnati, Ohio.
Kunkle Pop Safety and Water Relief Valves. Kunkle Valve Co., Ft. Wayne, Ind.
Kup-Kan Oil Cans and Engine Machine Oilers. Boggs Auto Supply Co., Ft. Dodge, Ia.
Kupke Drill Chuck. Strong, Carlisle & Hammond Co., Cleveland, O.
Kurtson Tumbler Holders. Garden City Plating & Mfg. Co., Chgo.
Kushequa Face, Floor and Paving Brick. Kushequa Brick Co., Kushequa, Pa.
Kushion Gear Costing. Phoenix Oil Co., Cleveland, O.
K-u-t-a Fire Hydrants. Cayuta Mfg. Co., Sayre, Pa.
Kut-Em Slick Pruning Shears. Barr Bros. Co., Oakland, Cal.
Kut Kote Paint and Varnish Remover. Jas. B. Day & Co., Chicago.
Kutol Cleaning Compounds. Precision Metal Workers, Chicago.
Kuttyhunk Laundry Blue. Diamond, McConnell & Co., Philadelphia.
Kutztown Towel Bars. Garden City Plating & Mfg. Co., Chicago.
Kwality Kaster Casters. Hamilton Caster & Mfg. Co., The, Hamilton, Ohio.
Kwality Kounts Hammer and Hatchet Handles. The Columbus Wood Turning Co., Columbus, Ind.
Kwicksharp Knife Grinder. Spengler-Loomis Mfg. Co., Chicago.
Kwik Kut Hack Saw Machines. E. C. Atkins & Co., Inc., Indianapolis, Ind.
Kwik-Lite Flashlights. Usona Mfg. Co., Inc., The, New York.
Kwik-Mend Gummed Tape. California Binding Co., San Francisco.

Kwik-Mix Concrete Mixers. Kwik-Mix Concrete Mixer Co., Milwaukee, Wis.
Kwyk Metal Polish. West Disinfecting Co., New York.
Kwikon Conduit Fittings and Wiring Devices. S. R. Fralick & Co., Chicago.
Kwik-Seat Piston Rings. Tell-Tale Piston Ring Co., St. Louis, Mo.
Kwik Set, Cement Floor Hardener. American Builders Products Co., Chicago.
Kwickwork Carbon Removers, Enamels and Insulating Varnish. Standard Varnish Co., New York.
Kwy K. Metal Polish. West Disinfecting Co., New York.
Kyanize Wood Finishes and Enamels. Boston Varnish Co., Everett, Mass.
Kyle Arc Lamp Insulators. Line Material Co., S. Milwaukee, Wis.
Kymoi Packing. Crandall Packing Co., Palmyra, N. Y.
Kyrock Asphalt. The Wadsworth Stone & Paving Co.. Pittsburgh, Pa
Kyrock Brand Kentucky Rock Asphalt. Kentucky Rock Asphalt Co., Inc., Louisville, Ky.

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L-A Spark Plugs. Lockwood-Ash Motor Co., Jackson, Mich.
L. B. Ball Cocks and Roof Flanges. L. B. Brass Co., Peabody, Mass.
L. B. Flat Copper Connectors. Lemke Electric Co., Milwaukee, Wis.
L. B. L. Hame Fasteners. Covert Saddlery Works, Interlaken, N. Y.
L. B. Taylor's Speed Indicators. Thos. Packer, Union City, Conn.
L Car Roof Brackets. E. A. Lowrie, St. Louis, Mo.
L. C. & Co. Roofing Seamer. Lyon, Conklin & Co., Inc., Baltimore, Md
L. C. & Co. Steel Conductor Pipe. Lyon, Conklin & Co., Baltimore.
L-C Chain Grate Stoker. Laclede-Christy Clay Products Co., St Louis, Mo.
L. C. Smith Hammerless and Hammer Breach Loading Guns. Hunter Arms Co., New York.
L. C. T. Tool Steel Hot Works. Halcomb Steel Co., Syracuse, N. Y.
L. D. P. Kitchen Knives. L. D. Parkhurst, Danielson, Conn.
L. E. Gant Rubber Bottles. Tyer Rubber Co., Andover, Mass.
L. F. & Co. Metal Polish. Landers, Frary & Clark, New Britain, Conn
L. F. C. Lemon Squeezers. Landers, Frary & Clark, New Britain, Conn.
L. F. & C. Metal Polish. Landers, Frary & Clark, New Britain, Conn.
L. L. Pitch and Felt. Warren Chemical Div., The Barrett Company, New York.
L. M. Cylinder Oil. Conewongo Refining Co., Warren, Pa.
L. N. Creco Brake Beams. Chicago Ry. Equipment Co., Chicago.
L-O Sheet Glass. Libbey-Owens Sheet Glass Co., Toledo, O.
LPP Polishing Material. John Rudolph Lauffer, New York.
L. P. T. Gymnasium Lights; Window Hardware. L. P. T. Specialty Co., Minneapolis, Minn.
L. R. D. Valves. General Fire Extinguisher Co., Providence, R. I.
L-S-A Ball Bearings. The Langhaar Ball Bearing Co., Aurora, Ind.
L. S. I. Co. Tuyere Irons. Wrightsville Hardware Co., Wrightsville, Pa.
L. T. Door Hangers. Richards-Wilcox Mfg. Co., Aurora, Ill.
L-W. T. D. Center Drill. Lincoln Twist Drill Co., Taunton, Mass.
L-W Twist Drills. Lincoln Twist Drills Co., Taunton, Mass.
L. X. Awls, Hooks, Lacings. Manufacturers' Belt Hook Co., Chicago.
L-X Belt Awls, Chisels, Clamps, Dressing Fasteners, Pliers, Lacing, Couplings, Groovers, Hammers, Knives, Punches, Belt Makers' Planes and Lacing Studs. Manufacturers' Belt Hook Co., Chgo.
L. X. V. Spark Plugs. Automobile Equipment Co., Detroit, Mich.
L-XX High Speed Steel. Atlas Steel Corp., Dunkirk, N. Y.
L. & A. Electric Vibrators. The Pressed Steel Co., Muskegon, Mich.
L. & Co. Boring Tool. Lawson & Co., Inc., New York.
L. & G. Butchers' Knives. Landers, Frary & Clark, New Britain, Conn.
L. & G. Pipe Straps, Sinks and Trays. Lalance & Grosjean Mfg. Co., New York.
L. & L. Lighting Fixtures, Ceiling Switches, Locknut Bushings, Lock Lamp Guards. Chas. W. Leveridge, New York.
L. & M. Paints, Varnishes, etc. Longman & Martinez, New York.
L. & P. Leather and Canvas Products, Tire Covers, etc. Liston & Polter Mfg. Co., Eugene, Ore.
L. & R. Orange Extra Black Sporting Powder. Hercules Powder Co., Wilmington, Del.
L. & S. Anti-Rail Creepers. Belle City Malleable Iron Co., Racine, Wis.
L. & S. I. Co., Lemon Squeezers, Tack Hammers. Wrightsville Hardware Co., Wrightsville, Pa.
L. & S. Paints. Paraffine Paint Co., San Francisco, Cal.
La Belle Pyralin Toilet Articles. E. I. du Pont de Nemours & Co., Inc., Pyralin Dept., Arlington, N. J.
La Belle Saw Arbors. Crucible Steel Co. of America, New York.
Labride Equipment. (For handling various materials.) Lakeside Bridge & Steel Co., N. Milwaukee, Wis.
Labrum Baths. Crane Co., Chicago.
Lac-A-Fly Insect Killer. James T. Reynolds & Sons, Pontiac, Mich
Lac-A-Germ Varnish. Adams & Elting Co., Chicago.
Lacanite Electrical Fittings, Telephone Receivers, Mouth Pieces, Terminal Blocks, Push Buttons, Crank Handles. Scranton Button Co., Scranton, Pa.
Lacanite Plastic Product. Scranton Button Co., Scranton, Pa.
Lace Web Cushion Springs. Trenton Spring Mattress Co., Trenton, N. J.
Lackawanna Blast Furnaces and Interlocking Steel Piling. Lackawanna Steel Co., Buffalo, N. Y.
Lackawanna Gas and Oil Engines. Lackawanna Mfg. Co., Ballston Spa., N. Y.
Lackawanna Heating Rollers. Spencer Heater Co., Scranton, Pa.
Lackawanna Steel Sheet Piling. Bethlehem Steel Company, Bethlehem, Pa. Lackawanna Steel Co., Lackawanna, N. Y.
Lacko Polish. Lacko Specialty Co., San Francisco.
Lacko Parting (for Brass Moulding). Reliable Parting Co., Ottawa, Ill.
Lacklustre Wood Finishes. Berry Bros., Inc., Detroit, Mich.
Laclede-Christy Gas Retort Benches. Laclede-Christy Clay Products Co., St. Louis.
Laclede-Christy Tiles. Laclede-Christy Clay Products Co., St. Louis, Mo.
Laco Lighting Fixtures. Lighting Appliance Co., New York.
Lacomi Rubber Hose. Electric Hose & Rubber Co., Wilmington, Del.
Laconic Rubber Hose. Electric Hose & Rubber Co., Wilmington, Del.
Lacqueret, Floor Finish. Standard Varnish Co., New York.
La Croix—Garland Flexible Eight Wheel Wagons. Garland Wagon Co., New Orleans, La.
Lacross Belting. Goodall Rubber Co., Philadelphia, Pa.
La Crosse Easy Slip Eaves Trough. La Crosse Steel Roofing & Corrugating Co., La Crosse, Wis.
La Crosse Farm Tractors and Kerosene Traction Engines. La Crosse Tractor Co., La Crosse, Wis.
La Crosse Farm Wagons. Smith Mfg. Co., La Crosse, Wis.
La Crosse Harrows, Plow Coulters, Riding Listers. La Crosse Plow Co., La Crosse, Wis.
La Crosse Potato Sprayer. McKenzie Mfg. Co., La Crosse, Wis.
Lactein Concentrated Buttermilk for Poultry and Stock. Lactein Food Co., Modesto, Cal.
Lac-Tile Concrete Products. Los Angeles Concrete Tile Co., Monterey Park, Cal.
Ladd Steel Anti-Rattlers. Fernald Mfg. Co., North East, Pa.
Ladel Sawdust Separators, Rolling Mill and Store Trucks. Ladel Mfg. Co., New Philadelphia, Pa.
La Disc Wheels. Lock Mfg. Co., Paducah, Ky.
Lady Ensley Iron. Sloss Sheffield Steel & Iron Co., Birmingham, Ala.
Lady's Friend Ironing Board Stands. Household Mfg. Co., Royersford, Pa.
Lady-Maid Elec. Tea Wagons. Nichols Electric Furniture Co., Bennington, Vt.
Lafayette Automobiles. Lafayette Motors Co., Indianapolis, Ind.
Lafayette Cotton Hose. Voorhees Rubber Mfg. Co., Jersey City, N. J.
La Fayette Farm Wagons. Indiana Wagon Co., Lafayette, Ind.
Lafayette Motor Cars. Lafayette Motor Corp., Indianapolis, Ind.
Lafitte Brazing Plates and Powder; Welding Plates and Powder. The Phillips-Laffitte Co., Philadelphia, Pa.
La Follette Foundry Blast Furnaces. La Follette Coal & Iron Co., La Follette, Tenn.
La France Fire Engine and Fire Apparatus. American La France Fire Engine Co., Elmira, N. Y.
Lagonda Boiler Tube Cleaners. Lagonda Mfg. Co., Springfield, O.
La Grange Rubber Bottles. Tyer Rubber Co., Andover, Mass.
Laidlaw Automobile Trimmings. Laidlaw Co., New York.
Laidlaw-Dunn Gordon Compressors. Worthington Pump & Machinery Corporation, New York.
Laidlaw Valve Compressors. International Oxygen Co., New York.
Lake City Axes. Romer Axe & Tool Co., Dunkirk, N. Y.
Lake Key-Seating Machinery. Mercury Machine Co., Philadelphia, Pa.
Lake Sand and Gravel. Erie Sand & Gravel Co., Erie, Pa.
Lakeside Forgings and Wrenches. Lakeside Forge Co., Erie, Pa.
Lakeside Hose. U. S. Rubber Co., New York.
Lakeside Shoveling and End Gate Boards. Bristol & Gale Co., Chgo.
Lakeside Tools. Lakeside Forge Co., Erie, Pa.
Lakewood-Carr Road Finisher. Lakewood Engineering Co., Cleve., O.
Lakewood Construction Equipment, Industrial Equipment and Concrete Mixers. Lakewood Engineering Co., Cleveland, O.
Lakewood-Galion Tractors and Trucks. Lakewood Engineering Co., Cleveland, O.
Lakewood Lawn Mowers. Coldwell Lawn Mower Co., Newburgh, N. Y.
Lakewood Line—Contractors' Equipment, Concrete Mixers and Industrial and Small Steel Cars and Portable Track. Lakewood Engineering Co., Cleveland, O.
Lakewood M-C Gronters and Rail Track. Lakewood Engineering Co., Cleveland, O.
Lakewood-Milwaukee Mixers. Lakewood Engineering Co., Cleveland, O.
Lakin Pipe Bending Hickey. Thomas & Betts, New York.
Lakewood Scale Boxes. Ohio Ceramic Engineering Co., Cleveland, O.
Lally Fire Proof Columns. Lally Column Co., Cambridge, Mass.
Lalor Fuel Oil Appliances. Lalor Fuel Oil System Co., of Md., Inc., Baltimore, Md.
Lamb Logging Equipment and Steel Castings. Lamb Machine Co., Hoquiam, Wash.
Lamb Wire Stretchers. Peerless Wire Fence Co., Adrian, Mich.
Lambert Engines. Lambert Hoisting Engine Co., Newark, N. J.
Lambert Gas Engines, Gasoline Traction Engines. Buckeye Mfg. Co., Anderson, Ind.
Lambeth Cotton Rope, Spindle Banding; Spinning Tapes; Tire Tapes. Lambeth Rope Corp., New Bedford, Mass.
Lamco Forgings. Lack Mfg. Co., Paducah, Ky.
Lamco Speed Bodies, or Ford and Maxwell Cars. Lehman Mfg. Co., Cannelton, Ind.
Laminar Textile Supplies and Roving Cans. National Vulcanized Fibre Co., Wilmington, Del.
Lamella Glass Lenses. Jefferson Glass Co., Follansbee, W. Va.
Lamina Belting. Manhattan Rubber Mfg. Co., Passaic, N. J.
Laminar Mill Baskets, Trucks and Boxes. National Vulcanized Fibre Co., Wilmington, Del.
Laminated Bakelite Products. Continental Fibre Co., Newark, Del.
Laminated Brass Shims. Laminated Shim Co., Long Island City.
Laminduro Pipe Covering. The Franklin Mfg. Co., Franklin, Pa.
Laminum. Laminated Shim Co., Inc., Long Island City, N. Y.
Lamont Rotary Screens. Black-Clawson Co., Hamilton, Ohio.
La Monte Safety Bond Paper. Geo. La Monte & Son, New York.
Lamson Coin Cashiers. Lamson Co., Boston.
Lamson Machine and Carriage Bolts. Lamson & Sessions Co., Cleveland, Ohio.
Lamson Pneumatic Tubes. The Lamson Co., Boston, Mass.
Lancaster Automobile Lamp Lenses. Lancaster Lens Co., Lancaster, Ohio.
Lancashire Boilers. Fabricated Steel Products Corp., Leetonia, O.
Lancaster Cook Stoves. B. R. Bibb Stove Co., Baltimore, Md.
Lancaster Corn Sheller. A. B. Farquhar Co., Ltd., York, Pa.
Lancaster Enamels. Lincoln Paint & Color Co., Lincoln, Nebr.
Lancaster Forge Blowers. Champion Blower & Forge Co., Lancaster, Pa.
Lancaster Hay Rakes. Hocking Valley Mfg. Co., Lancaster, Ohio.
Lancaster Tanks and Steel Plate Construction. Lancaster Iron Wks., Lancaster, Pa.
Lancaster Tire Axle Shrinkers and Lathes. Champion Blower & Forge Co., Lancaster, Pa.
Lancing Ash Sifters. Gier Pressed Steel Co., Lansing, Mich.
Landers Counter Scales. Landers, Frary & Clark, New Britain, Conn.
Landis Bolt Cutting Machinery. Landis Machine Co., Waynesboro, Pa.
Landis Electric Self Winding Clock; Electric Time and Program Clock Systems; Shock Diffusers. Landis Engineering & Mfg. Co., Inc., Waynesboro, Pa.
Landis Fishing Tackle Boxes. Wilson F. Coretz Co., Chicago.
Landis Grinding Machines. Landis Tool Co., Waynesboro, Pa.
Landis Shock Absorbers. Landis Engng. & Mfg. Co., Waynesboro, Pa.
Landish Forgings. Landish Drop Forge Co., Cudahy, Wis.
Landral Cutting Oils. Farr Mfg. Co., No. Tonawanda, N. Y.
Landseer's Best Cotton Sheetings. B. B. & R. Knight, Inc., Providence, R. I.
Lane Joist Hangers, Post Caps and Bases. W. J. Clark Co., Salem, O.
Lane Life Boats. C. M. Lane Lifeboat Co., Brooklyn, N. Y.
Lane Low Speed Mills. Lane Mill & Machinery Co., Los Angeles, Cal.
Lane Stone Polishing Machine. Lane Mfg. Co., Montpelier, Vt.
Lane's Automobile Jacks and Door Hangers. Lane Bros. Co., Poughkeepsie, N. Y.

Lane's Denims. Cliver-Wright-Rainey Co., Cincinnati, O.
Lanes Standard Door Hangers. Lane Bros. Co., Poughkeepsie, N. Y.
Lang Farm Wagons. Lang & Bro. Mfg. & Merc. Co., Farmington, Mo.
Lang Tool Holders. Crescent Forgings Co., Oakmont, Pa.
Langdon Acme Mitre Boxes. Millers Falls Co., Millers Falls, Mass
Langdon Ideal Self Feeders. Hart Grain Weigher Co., Peoria, Ill.
Langdon Junior Self Feeders. Hart Grain Weigher Co., Peoria, Ill.
Langhaar Self Adjusting Ball Bearings. Langhaar Ball Bearing Co., Aurora, Ind.
Langleben Carbon Brushes. Hart & Co., Fostoria, O.
Langmuir Vacuum Pumps. General Electric Co., Schenectady, N. Y.
Langon Paints for Preserving Iron and Steel. Polygon Products Co., Boston.
Langslow Turnstiles. Damon-Chapman Co., Rochester, N. Y.
Lanius Railway Flags. Handlan-Buck Mfg. Co., St. Louis, Mo.
Lankford Horse Collars. Couch Bros. Mfg. Co., Atlanta, Ga.
Lansdale Radiators. Central Radiator Co., Lansdale, Pa.
Lansdale Steam and Hot Water Heaters. Heebner & Sons, Lansdale, Pa.
Lansing Colonial Hand Carts, Drag Scrapers, Handy Farm Carts. The Lansing Company, Lansing, Mich.
Lansing Concrete Mixers, Rock Crushers, Wire and Picket Fence Machines. Lansing Co., Lansing, Mich.
Lansing Corn Poppers. Gier Pressed Steel Co., Lansing, Mich.
Lansing Engines, Mills and Pumps. Lansing Motor & Pump Co., Lansing, Mich.
Lansing Wheelbarrows. Lansing Co., Lansing, Mich.
Laona Rock Maple and Birch Flooring. R. Connor Company, Marshfield, Wis.
Lapadas Waterproofing Paste. Hydro-Bar Waterproofing Co., New York.
Lapasco Deep Well Cylinders for Oil Wells. Los Angeles Pump & Supply Co., Los Angeles, Cal.
Lapham Sprinklers. Ohio Automatic Sprinkler Co., Youngstown, O.
Lapidolith Concrete Hardeners. L. Sonneborn Sons, New York.
La Plant-Choate Stump Pullers. La Plant-Choate Mfg. Co., Cedar Rapids, Ia.
Lapointe Broaching Machines. Lapointe Mch. and Tool Co., Hudson, Mass.
Lap-Over-The-End Tags. American Mfg. Co., Battle Creek, Mich.
Lapp Insulators. Lapp Insulator Co., Leroy, N. Y.
Laramie Standard Gypsum Products. Acme Cement Plaster Co., St Louis, Mo.
Larco Pipe Wrenches, Monkey Wrenches. Larco Wrench & Mfg. Corp., Chicago.
Larcut Cutting Oils. Swan & Finch Co., New York.
Lard Oil Kerosene Lamp Burners. Edw. Miller & Co., Meriden, Conn.
Lardoleum Cutting Oil. J. L. Fannon Co., Inc.; O. F. Zurn Co., Philadelphia, Pa.
Lardoleum Lubricating Grease. O. F. Zurn Co., Philadelphia.
Lardoline Cutting Compound. Kan. City Chem. Co., Kansas City, Mo
Lark Sulky Hay Rakes. Acme Harvester Machine Co., Peoria, Ill.
Larkin Fire Extinguishers. Larkin Mfg. Co., Dayton, Ohio.
Larkin Improved Sand Pump. Larkin & Co., Butler, Pa.
Larson Suction Ventilators. Larson Bros., Johnsonburg, Pa.
Larsons Anti Friction Metal. Damascus Bronze Co., Pittsburgh, Pa.
Larsons Babbitt Metal. Damascus Bronze Co., Pittsburgh.
Larson's Blacksmith's Nippers and Pinchers. Washington Tool Co., Owatonna, Minn.
Larsons Blacksmiths' Nippers. Washington Tool Co., Owatonna, Minn.
Larvex Moth Prevention. The Larvex Corp., Brooklyn, N. Y.
La Salle Belting, Rubber Hose. Empire Tire & Rubber Corp., East Trenton, N. J.
La Salle Grinders. La Salle Tool Co., La Salle, Ill.
La Salle Plasters, Steel Corner Beads. Church Appliance Mfg. Co., La Salle, Ill.
La Salle Special Cold Drawn Carbon Steel. La Salle Steel Co., Chicago.
Lasco Spark Plugs. Louisville Auto Supply Co., Louisville, Ky.
Lashar Plated Silverware. International Silver Co., Meriden, Conn.
Lashers Pot Covers. Natl. Enameling & Stamping Co., New York.
Lass Rail Brace. Western Malleables Co., Beaver Dam, Wis.
Lassiter Bolt Machines. Bousch Machine Tool Co., Springfield, Mass.
Las-Stik Tubes, Patches. Las-Stik Patch Mfg. Co., Hamilton, Ohio.
Lastbestile Building Material. Trussed Concrete Steel Co., Detroit, Mich.
Lasting Connecting Links. Wilcox Crittenden & Co., Inc., Middletown, Conn.
Last Word Test Indicators. Henry A. Lowe, Cleveland, O.
Lathecut Pipe Threaders. Wm. T. Johnson Co., Cincinnati, O.
Latheroil Liquid Soap. Fischer Soap & Oil Co., Cincinnati, O.
Latheroll. Fischer Soap & Oil Co., Cincinnati, O.
Lathrop's Belt Awls. Greene, Tweed & Co., New York.
Latona Baths. Crane Co., Chicago.
Latrobe Car Couplers. National Malleable Castings Co., Cleveland.
Latrobe High Speed Drills and Reamers. Latrobe Tool Company, Latrobe, Pa.
Latrobe Steel Coupler. National Malleable and Steel Castings Co., Cleveland, O.
Latrobe Twist Drills and Reamers. Latrobe Tool Co., Latrobe, Pa.
Lattis-Truss Wooden Trusses. McKeown Bros. Co., Chicago.
La Tuque Turpentine. Brown Corp., Portland, Me.
Laun-dry-ette Washer and Dryer. Home Specialty Mfg. Co., Cleveland, Ohio.
Laundry Queen Washing Machines. Grinnell Washing Mach. Co., Grinnell, Ia.
Launoye Paper Mill Pulpers. Rice, Barton & Falls, Inc., Worcester, Mass.
Lauraine Electrical Instruments. Menominee Electric Products Co., Inc., New York.
Laureate Printing Presses; Cutters and Creasers; Embossing Presses. Thomson-National Press Co., Inc., Long Island City, N. Y.
Laurel Cylinder Shells. Laurel Motors Corp., Anderson, Ind.
Laurel Engine Bolt Iron. Ewald Iron Co., Louisville, Ky.
Laurel Stoves and Furnaces. The Art Stove Co., Detroit, Mich.
Laurica Mixing and Kneading Machines. S. Joseph Co., Inc., New York.
Laursen Hydraulic Gear Shifts. United States Auto Gear Shift Co., Eau Claire, Wis.
Lauson Engines. John Lauson Mfg. Co., Holstein, Wis.
Lava Insulating Materials. American Lava Co., Chattanooga, Tenn
Lava Kitchen Enameled Ware. Cleveland Stamping & Tool Co., Cleveland.
Lavar Enameled Steel Semaphore Blades. Railroad Accessories Corp., New York.
Lavarck Marine Gears. Marine Mfg. & Supply Co., New York.
Lavarine Soap Powder. Pacific Silicate Co., San Francisco.
Lavavar Wood Stains. Felton, Sibley & Co., Philadelphia, Pa.
Laveel Adjustable Electric Bracket. Railroad Accessories Corp., New York.
Lavigne Expansive Bits. Kilborn & Bishop Co., New Haven, Conn.
Lavine Steering Gears. The Lavine Gear Co., Milwaukee, Wis.
Lavite Insulation. D. M. Stewart Mfg. Co., Chattanooga, Tenn.
Lavite Lava. D. M. Steward Mfg. Co., Chattanooga, Tenn.
Lavoie Air Chuck. Frontier Chuck & Tool Co., Inc., Buffalo, N. Y.
Lavorock Lava. M. Kirchberger & Co., Brooklyn, N. Y.
Law Adjustable Resistance Units. Central Electric Co., Chicago.
Law Hay Carriers. Hackney Mfg. Co., St. Paul, Minn.
Law Metallic Packing. Bridgeport Metallic Packing Co., Bridgeport, Conn.; Houchin-Aiken Co., Brooklyn, N. Y.
Lawco Containers. F. H. Lawson Co., Cincinnati, O.
Lawco Motor Car Specialties. The F. H. Lawson Co., Cincinnati, O.
Lawco Window Ventilators, Steel Baskets, Bath Room Cabinets. F. H. Lawson Co., Cincinnati, O.
Lawler's Boiler Couplings, Drainers, Heaters, Steam Traps, Valves. Lawler Water Food & Damper Regulator Co., New York.
Lawn Carts. The Lansing Co., Lansing, Mich.
Law-Re-Lac Colored Varnish. W. W. Lawrence & Co., Pittsburgh.
Lawrence Bobbin Holders, Spooler Guides. Draper Corp., Hopedale, Mass.
Lawrence Centrifugal Pumps. Lawrence Mach. Co., Lawrence, Mass.
Lawrence Door Hangers. Lawrence Bros., Sterling, Ill.
Lawrence Duck. Wm. L. Barrell Co., of N. Y., Inc., New York.
Lawrence Paints, Enamels, White and Red Lead. W. W. Lawrence & Co., Pittsburgh.
Lawrence Pumps. Lawrence Machine Co., South Lawrence, Mass.
Lawrence Sad Iron Heaters. Jewett & Co., Buffalo, N. Y.
Lawrence Slop Sinks. Sanitas Mfg. Co., Boston.
Lawson Copper Coil Water Heaters. Lawson Mfg. Co., Pittsburgh.
Lawson Garden Barrows, Freight Wagons, Store Trucks, Wood Split Pulleys. Menasha Wood Split Pulley Co., Menasha, Wis.
Lawson Hinges. Lawson Mfg. Co., Chicago.
Lawson Pulleys and Trucks. Menasha Wood Split Pulley Co., Menasha, Wis.
Lawson Tractors. John Lawson Mfg. Co., New Holstein, Wis.
Lawson Wire Rope Tramways. Interstate Equipt. Corp., New York.
Lawter Tractors. Lawter Tractor Co., St. Marys, O.
Lawton B-42 Crucibles. Jonathan Bartley Crucible Co., Trenton, N. J.
Lawyers Expanding File Pockets. Alvah Bushnell Co., Philadelphia, Pa.
Lay Brooms and Brushes. Joseph Lay Co., Ridgeville, Ind.
Lay Pipe Tongs. Oil Well Supply Co., Pittsburgh.
Layne Centrifugal Pumps. Layne & Bowler Corp., Los Angeles, Cal.
Lazalite Glass. Jeannette Glass Co., Jeannette, Pa.
La Zier Gas Engines. Lazier Gas Engine Co., Buffalo, N. Y.
Lea-Courtenay Centrifugal Pump. Lea-Courtenay Co., Newark, N. J.
Lea-Degen High Duty Pumps. Nash Engrg. Co., S. Norwalk, Conn.
Lea-Duck Leather Belt. W. H. Salisbury & Co., Inc., Chicago.
Lea Simplex Cold Metal Saws. The Earle Gear & Machine Co., Philadelphia, Pa.
Lea V-Notch Recording Liquid Meter. (Now Yarway) Yarnall-Waring Co., Philadelphia, Pa.
Lea Water Flow Recorders. Yarnall Warning Co., Philadelphia.
Leach Automobiles. Leach Biltwell Motor Car Co., Los Angeles, Calif.
Leach Locomotive Sanders. U. S. Metallic Packing Co., Philadelphia.
Leach Pattern Saw Sets. Bullock Mfg. Associates, Springfield, Mass.
Leach Power-Plus-Six Autos. Leach-Biltwell Motor Car Co., Los Angeles, Calif.
Leach Sanders. U. S. Metallic Packing Co., Philadelphia, Pa.
Leach Type Sanders. Harry Vissering & Co., Chicago.
Lead All Reversible Pocket Screw Drivers and Coping Saws. Bridgeport, Conn.
Leader Automobile Jacks. National-Standard Co., Niles Mich.
Leader Beet and Walking Cultivators. Hayes Pump & Planter Co., Galva, Ill.
Leader Binding Posts and Pin Terminals. H. H. Eby Co., Phila.
Leader Boiler Feeders, Boiler Injectors, Jet Pumps, Valves. Randle Machinery Co., Cincinnati, O.
Leader Cement Brick Machines. Starch Bros. Co., La Crosse, Wis.
Leader Cobblers' Outfits. Fate-Root-Heath Co., Plymouth, O.
Leader Cone Shaped Fly Traps. Reynolds Wire Co., Dixon, Ill.
Leader Curtain Fasteners. F. A. Neider & Co., Augusta, Ky.
Leader Drag Road Scrapers. Slusser-McLean Scraper Co., Sidney, O.
Leader Enameled Wire. Crunden, Martin Mfg. Co., St. Louis.
Leader Ensilage and Fodder Cutters. Jos. Dick Mfg. Co., Canton, O.
Leader Envelope Machines. Lester & Wasley Co., Norwich, Conn.
Leader Farm Tractors. Dayton-Dowd Co., Quincy, Ill.
Leader Feed Carriers, Hay Carriers. Milwaukee Hay Tool Co., Milwaukee, Wis.
Leader Garment Hangers, Lemon Squeezers. Rocky Hill Hardware Co., Rocky Hill, Conn.
Leader Gas Engines. Field Force Pump Co., Elmira, N. Y.
Leader Gasoline Pumps. Eastern Oil Tank Co., Lowell, Mass.
Leader Glass Cutters. Fletcher, Terry Co., Forestville, Conn.
Leader Grass Catchers. Carl E. Hasseries, Cleveland, O.; Specialty Mfg. Co., St. Paul, Minn.
Leader Horse Nails. Standard Horse Nail Co., New Brighton, Pa.
Leader Hose. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Leader Hot Water Heaters. Putnam Foundry & Mach. Co., Putnam, Conn.
Leader Lawn Mowers. Granite State Mowing Mach. Co., Hinsdale, N. H.
Leader Leg Bands (for Poultry). The Keyes-Davis Co., Battle Creek, Mich.
Leader Pneumatic Water Supply Systems. Leader Iron Works, Decatur, Ill.
Leader Pumps. Leader-Trahern Co., Rockford, Ill.
Leader Pumps and Tanks. Leader Iron Works, Decatur, Ill.
Leader Range Boilers. Haines, Jones & Cadbury Co., Philadelphia.
Leader Screw Drivers. Stanley Rule & Level Co., New Britain, Conn.
Leader Soldering Sets. W. L. Barrett, Bristol, Conn.
Leader Spark Plugs. Long Bros., Kokomo, Ind.; Vital Mfg. Co., Cleveland, O.
Leader Step Ladders. Rich Pump Co., Cincinnati, O.
Leader Stoves. A. T. Nye & Son Co., Columbus, O.
Leader Sulky Plows. J. I. Case Plow Works, Racine, Wis.
Leader (Texaco) Lubricating Oil. The Texas Co., New York.
Leader Tractors. Dayton-Dowd Co., New York.
Leader Walter Filter. Everson Filter Co., Chicago.
Leader Whip Socket Fasteners. Searls Mfg. Co., Newark, N. J.
Leader Wire Fence Machines. Leader Fence Machine Mfg. Co., St. Charles, Ill.
Leadite Pipe Joint Compounds. Leadite Co., Philadelphia.
Lead-O-Graph Paints. Jamestown Paint & Varnish Co., Jamestown, Pa.
Leakanot Boot Waterproofing. National Rubber Co., St. Louis, Mo.

Leak-Cure Cement. Leak-Cure Metal Cement Co., Inc., New York.
Leake Aerator Milk and Cream Coolers. A. Gleake Erecting Co., Inc., Bridgeport, Conn.
Leak-No Metallic Compound. Johns-Manville, Incorporated, New York.
Leakless Ice Machines. Coast Iron Machine Wks., Tacoma, Wash.
Leaknot Tire Pump Connections. E. Edelmann & Co., Chicago.
Leakproof Buckets. P. Wall Mfg. Supply Co., Pittsburgh, Pa.
Leakproof Carriage Curtain Lights. Metal Stamping Co., Long Island City, N. Y.
Leak-Proof Packing and Piston Rings. McQuay-Norris Co., St. Louis.
Leantin Babbitt Metal. Lumen Bearing Co., Buffalo, N. Y.
Leather Lac Carriage Top Dressing. Eberson Paint Co., St. Louis.
Leather Liniment Belt Dressing. Olmsted Flint Co., Cambridge Mass.
Leatherene Upholsterers' Tacks. Mattatuck Mfg. Co., Waterbury, Conn.
Leatherette Expanding Envelopes and File Products. John F. Diemer Co., New York.
Leatherite Suit Case Fibre Paper. C. B. Hewitt & Bros., Inc., New York.
Leatherlac Carriage Top Dressing. R. F. Johnston Paint Co., Cincinnati, O.
Leatherlike Upholsterers' Nails. Turner & Seymour Mfg. Co., Torrington, Conn.
Leathermat Mats. Leather Mat Mfg. Co., Inc., San Francisco.
Leatheroid. Leatheroid Mfg. Co., Philadelphia, Pa.
Leatheroid Envelopes and Wallets. Northwestern Paper Goods Co., St. Paul, Minn.
Leatheroid Roofing. Union Paper & Twine Co., Cleveland, O.
Leatherope Mailing and Filing Containers. Security Envelope Co., Minneapolis, Minn.
Leatheround Belting. Hide Leather & Belting Co., Indianapolis, Ind.
Leathersteel Floor Coverings and Leather Rolling Mats. Leathersteel Products Co., Boston.
Leathertex Cone Clutch Facings. Hide, Leather & Belting Co., Indianapolis, Ind.
Leatherwove Upholstery. L. C. Chase & Co., Boston, Mass.
Leath-E-Nu Leather Preservative. Nu-Back Mfg. Co., St. Louis, Mo
Leavitt Brand Magnesium. C. W. Leavitt & Co., New York.
Leavitt Coal Chutes, Cistern Covers, Ashpit and Dump Doors, Drainage Grates, Etc. Leavitt Mfg. Co., Inc., Urbana, Ill.
Leavitt Cattle Dehorners and Coal Chutes. Leavitt Mfg. Co., Urbana Ill.
Le Blond Tools and Belt Shifters. R. K. Le Blond Machine Tool Co., Cincinnati, O.
Lebran Blowers. The Lebran Co., Philadelphia, Pa.
Le Brocq Door Closer and Elevator Lock. Le Brocq Co., Brooklyn, N. Y.
Le Carbone Carbon Brushes. W. J. Jeandron, New York.
Le Chatelier Pyrometers. Charles Engelhard, Inc., New York; Wilson-Maeulen Co., New York.
Le Chatelier Pyrometers. Wilson-Maeulen Co., New York.
Le Clair Power Drag Scraper. Sauerman Bros., Chicago.
Leclanche Battery Bars Zincs. Mattiessen & Hegeler Zinc Co., La Salle, Ill.
Leco Disconnecting Switches, Ground Connection Clamps, Switch Protectors. Lord Mfg. Co., New York.
Lecount Lathe Dogs. Collmer Bros., South Bend, Ind.
Le Count Screw Clamps. Wm. G. Le Count, So. Norwalk, Conn.
Le Counts Dogs and Mandrels. Wm. G. Le Count, Norwalk, Conn.
Lectroflater Electric Air Compressor. The Black & Decker Mfg. Co. Baltimore, Md.
Ledger B Stoves. Stamford Foundry Co., Stamford, Conn.
Ledic Lightning Arresters. Lafayette Elec. & Mfg. Co., Lafayette Ind.
Ledig Keystone Children's Vehicles. A. Mecky Co., Philadelphia.
Led Lok Soil Pipe Fittings. Central Foundry Co., New York.
Le-Do-Lac Hard Oil Finish. Blayz Paint & Varnish Co., Toledo, O
Ledrite Brass Rod. Bridgeport Brass Co., Bridgeport, Conn.
Led Steel Saws. Tilden Saw Co., Detroit, Mich.
Lee Auto Tires. Lee Tire & Rubber Co., Conshocken, Pa.
Lee Bread Crumbling Machines. Goodell Co., Antrim, N. H.
Lee-Built Springs. The Lee Spring Co., Brooklyn, N. Y.
Lee D-4 Truck Bodies and Lee Rolet Truck Bodies. Lee Trailer and Body Co., Chicago.
Lee Dust Collecting System. Thomas Lee, Cincinnati, O.
Lee Labeled Metallic Windows. Thomas Lee, Cincinnati, O.
Lee Motor Truck Trailers and Bodies. Lee Trailer & Body Co., Chicago.
Lee Patented Insular Clamp. Hickey & Schneider, New York
Lee Printing Presses. Challenge Machinery Co., Grand Haven, Mich
Lee Rubber Tires. Lee Tire & Rubber Co., Conshohocken, Pa.
Lee Steam Turbines. D. E. Whiton Mfg. Co., New London, Conn.
Lee Ventilators. Thomas Lee & Son Co., Cincinnati, O
Lee Whisk Brooms. Lee Broom & Duster Co., Lincoln, Neb.
Leece-Neville Starting-Lighting System. Leece-Neville Co., Cleveland, O.
Lees-Bradner Gear Generators. The Lees-Bradner Co., Cleveland, O
Lees Gauge Cocks. Nathan Mfg. Co., New York.
Lee's Improved Revolving Ventilators. Thomas Lee, Cincinnati, O
Lee's Tobacco Counter Cutters. Landers, Frary & Clark, New Britain, Conn.
Lees Bradner Thread Milling Machines. Lees-Bradner Co., Cleveland.
Leesona Countershafts, Bobbin Winders, Cotton Machy., Quillers Cone, Cop, Hosiery, Magnet, Quill and Yarn Winders and Textile Machinery. Universal Winding Co., Boston, Mass.
Leetonia Mining Tools. Leetonia Tool Co., Leetonia, O.
Lefavour's Favorite Garden Weeders. North Wayne Tool Co., Hallowell, Me.
Lefax Loose Leaf Pocket Cyclopedia. Electro Sun Co., Inc., New York.
Leffel Engines and Boilers. James Leffel & Co., East Spirngfield, O
Le Fils Binoculars. F. W. King Optical Co., Cleveland.
Left-Hand Barbers' Hair Clippers. Coates Clipper Mfg. Co., Worcester, Mass.
Legal Oil Cans. Delphos Mfg. Co., Delphos, O.
Legalite Auto Headlight Lens. Legalite Corp., Boston, Mass.
Legett Trap Shooting Traps. Chamberlain Cartridge & Target Co., Cleveland, Ohio.
Legg Pump Governors. Middlesex Machine Co., Lowell, Mass.
Legrain Conveyor Belts. The R. F. Goodrich Co., New York.
Le Grand Drills. Le Grand Mine Drill Co., Wilkes-Barre, Pa.
Lehigh Air Washers, Blowers, Fans, Heating and Ventilating Equipment. Hersh Brothers Co., Allentown, Pa.
Lehigh Bench Vises. Bonney Forge & Tool Works, Allentown, Pa.
Lehigh Cabinet Steel Ranges. Lehigh Stove & Mfg. Co., Lehighton, Pa.
Lehigh Fans, Ventilators, Blowers, Exhausters, Dust Collectors and Dust Arresters. Hersh Bros. Co., Allentown, Pa.
Lehigh Iron Bar. Slatington Iron & Steel Co., Slatington, Pa.
Lehigh Leather Belting. Charles Bond Co., Philadelphia, Pa.
Lehigh Oxide of Zinc. New Jersey Zinc Co., New York.
Lehigh Pipe and Tile. Lehigh Pipe and Tile Co., Lehigh, Pa.
Lehigh Portland Cement. Lehigh Portland Cement Co., Allentown, Pa.
Lehigh Rock Crushers. Fullerton-Lehigh Co., Fullerton, Pa.
Lehigh Vises. Bonney Forge & Tool Works, Allentown, Pa.
Lehmann Lathes. Lehmann Machine Co., St. Louis, Mo.
Lehon Car Roofing, Sill Covering, Roofing, Insulating Paper, Waterproof Canvas. The Lehon Co., Chicago.
Lehon's Waterproof Paper and Paint. Lehon Co., Chicago.
Lehr Conveyors. Heyl & Patterson, Inc., Pittsburgh, Pa.
Leicester Valves. Jas. P. Marsh & Co., Chicago.
Leich Automaphone. Leich Electric Co., Genoa, Ill.
Leidecker Machinery; Under-Reamers; Rope Knives; Well Drilling Tools and Machinery; Gauge Cocks; Sandpumps Etc. Leidecker Tool Co., Marietta, O.
Leidgen Leather Unhairing Machines. Edw. H. Munkwitz Co., Milwaukee, Wis.
Leila Walking Cultivators. Hayes Pump and Planter Co., Galva, Ill.
Leinen's Insecticides and Rodenticides. John F. Leinen Chemical Co., San Francisco.
Leitman Blowers and Vacuum Pumps. Squire-Cogswell Co., Chicago.
Leland Motors. Leland Electric Co., Dayton, O.
Leland Tire Air Pumps. Judd & Leland Mfg. Co., Clifton Springs, N.Y.
Leland-Gifford Drilling Machines. Leland Gifford Co., Worcester, Mass.
Le Maire Binoculars and Field Glasses. F. W. King Optical Co., Cleveland.
Leman Counter Current Condensers. The Petroleum Iron Works Company, Sharon, Pa.
Leman Oil Refinery Equipment. Petroleum Iron Wks. Co., Sharon, Pa.
Lemanquais Electric Service Boxes and Panel Board Cabinets. Hart & Hegeman Mfg. Co., Hartford, Conn.
Lemco Radio Equipment. Lee Electric & Mfg. Co., San Francisco.
"Lemley" Ball Bearing Loose Pulleys; Friction Clutches. W. A. Jones Foundry & Machine Co., Chicago.
Lemley Frictoin Clutches, Friction Clutch Couplings. W. A. Jones Foundry & Machine Co., Chicago.
Lenador Axes. Monsen-Dunnegan-Ryan Co., El Paso, Tex.
Lender Steam Heaters. Thatcher Furnace Co., New York.
Lenhart Farm Wagons. Lenhart Wagon Co., Minneapolis, Minn.
Lenix Belt Drive. F. L. Smidth & Co., New York.
Lenix Drives (For Power Transmission). F. L. Smidth & Co., New York.
Lennox Corn and Cob Mills, Gasoline Engines, Pitless Scales. Lennox Machine Co., Chicago.
Lennox Engines, Jacks and Scales. Lennox Machine Co., Marshalltown, Ia.
Lennox Hot Air Furnaces. Lennox Furnace Co., Marshalltown, Ia.
Lennox Mats and Matting. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Lennox Rotary Shears. Jos. T. Ryerson & Son, Inc., Chicago.
Lennox Throatless Shears. Marshalltown Mfg. Co., Marshalltown, Ia.
Lenox Bath Rubber Mats. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Lenox Blotting Paper. Eaton-Dikeman Co., Lee, Mass.
Lenox Boilers. Gurney Heater Mfg. Co., Boston, Mass.
Lenox Hack Saws; Metal Cutting Band Saws; Screwdrivers; Glass Cutters. American Saw & Mfg. Co., Springfield, Mass.
Lenox Lawn Mowers. Chadborn & Coldwell Co., Newburgh, N. Y.
Lenox Rubber Mats. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Lenox Steam and Water Heaters. Gurney Heater Mfg. Co., Boston.
Lenticular Valves. Kennedy Valve Mfg. Co., Elmira, N. Y.; Leonard Electric Co., Cleveland, O.
Lentz Engines. Erie City Iron Works, Erie, Pa.
Lentz Steam Engines. Erie City Iron Works, Erie, Pa.
Leo Bottle Box Lock. Beehler Steel Products Co., St. Louis, Mo.
Leonard Cleanable Refr'gerators. Grand Rapids Refrig. Co., Grand Rapids, Mich.
Leonard Dinner Pails. T. F. Leonard Co., Scranton, Pa.
Leonard Metallic Window Frame. Leonard Sheet Metal Wks., Hoboken, N. J.
Leonard Refrigerators. Grand Rapids Refrigerator Co., Grand Rapids, Mich.
Leonhardt Power Hammers. New Ulm Machine & Iron Works, New Ulm, Minn.
Leonhardt's Safety Water Glass Shields. Dunn's Service, Inc., Chicago.
Le Page's Glue, China Cement, Mucilage and Paste. Russia Cement Co., Gloucester, Mass.
Leptyne Turpentine Substitute. Pittsburgh Plate Glass Co., Paint & Varnish Division, Milwaukee, Wis.
Le Roi Gas Engines. Le Roi Co., West Allis, Wis.
Le Roi Motor. Milwaukee Machine Tool Co., Milwaukee, Wis.
Leroy Carpet Nails. Milwaukee Tack Co., Milwaukee, Wis.
Leroy Door Hangers. Richards-Wilcox Mfg. Co., Aurora, Ill.
Leschen Aerial Tramways. A. Leschen & Sons Rope Co., St. Louis, Mo.
Leslie's Valves and Regulators. Leslie Co., Lyndhurst, N. J.
Lesmok Rifle Powder. E. I. du Pont de Nemours & Co., Inc., Explosives and Smokeless Powder Depts., Wilmington, Del.
Lester Saw Sets. Bullock Mfg. Associates, Springfield, Mass.
Lethermet Upholstering Nails. Brewer-Titchener Corp., Cortland, N. Y.
Letteney Wood Preservative. Northeastern Co., Boston, Mass.
Letter-Pack-It Envelopes. Letter-Pack-It System, Detroit, Mich.
Letterine Show Card Inks. Thaddeus Davis Ink Co., New York.
Lettgo Overload Release. Link-Belt Company, Chicago, Indianapolis, Philadelphia; H. W. Caldwell & Son, Chicago.
Letz Corn Planter. Brinly Hardy Co., Louisville, Ky.
Leukoninan-Antimonate Pacifier for Enamels. The Harshaw, Fuller & Goodwin Co., Cleveland.
Levalley Bolt Clippers. Chain Belt Co., Milwaukee, Wis.
Le Valley Vitae Carbon Brushes. Le Valley Vitae Carbon Brush Co., New York.
Levant Cover Paper. C. H. Dexter & Sons, Windsor Locks, Conn.
Lever Balance Valves. Atwood & Morrill, Salem, Mass.
Lever Bucket Spray Pumps. The F. E. Meyers & Bro., Ashland, O.
Levett Piston and Connecting Rod Assembly. Walker M. Levett Co., New York.
Leviathan Belting. Main Belting Co., Philadelphia, Pa.
Leviathan Metal Cutters and Shears. W. B. & C. F. Tucker, Hartford, Conn.
Levick Lubricating Oils. Crew, Levick Co., Philadelphia.
Levin Pruning Shears. Smith, Seymour & Son, Oakville, Conn.
Levlok Lock Nuts. Lovejoy Tool Works, Chicago.
Levoller Pull Sockets. McGill Mfg. Co., Valparaiso, Ind.
Lewis Asphalt Fillers, Road Tar. F. J. Lewis Mfg. Co., Chicago.

Lewis Automatic Core Wire Straightening Machines. Lewis Machine Co., Cleveland.
Lewis Biller, Duplicator. General Manifold & Printing Co., Franklin, Pa.
Lewis Brushes. Samuel Lewis, New York.
Lewis Caboose Stoves, Car Stoves. Buda Co., Harvey, Ill.
Lewis Engine Bolt and Special Staybolt Iron. Penn. Iron & Steel Co., Creighton, Pa.
Lewis Engine Bolt Iron. Joseph T. Ryerson & Son, Inc., Chicago.
Lewis Furnaces, Door Hoists. Link-Belt Co., Chicago.
Lewis Hay Stackers. T. L. O'Neill Co., Marseilles, Ill.
Lewis Hose Nozzles. Chas. S. Harder, Catskill, N. Y.
Lewis-Kunzer Engine Coupler Pocket. National Malleable Casting Co., Cleveland, O.
Lewis Machine Gun. Savage Arms Co., New York.
Lewis' 98% Powdered Lye. Pennsylvania Salt Mfg. Co., Philadelphia, Pa.
Lewis Power Reverse Gear. Commonwealth Supply Co., Richmond, Va.
Lewis-Seley Engine Coupler Pocket. National Malleable Casting Co., Cleveland, O.
Lewis-Shepard Jacklifts; Singlelifts; Stackers; Self-Loading Trucks; Lift-Truck Platforms. Lewis-Shepard Company, Boston, Mass.
Lewis Special Creosoted Wood Block Paving Pitch. F. J. Lewis Mfg. Co., Moline, Ill.
Lewis Special Drilled Hollow Staybolt Iron. Joseph T. Ryerson & Son, Inc., Chicago.
Lewis Special Staybolt Iron. Joseph T. Ryerson & Son, Inc., Chicago.
Lewis Steel Spoke Wheels. Kilbourne & Jacobs Mfg. Co., Columbus, O.
Lewis Street Washers and Hydrants. Haydenville Co., Haydenville, Mass.
Lewis String Bean Machinery. E. J. Lewis, Middleport, N. Y.
Lewis "Ultra-Six" Marine Engine. The Lewis Motor Mfg. Co., Fostoria, O.
Lewis Yard Hydrants. Haydenville Co., Haydenville, Mass.
Lewis & Kunzer Metallic Packing. Aurora Metal Co., Aurora, Ill.
Lexington Gas Ranges. Culter & Proctor Stove Co., Peoria, Ill.
Lexington Motor Cars. Lexington Motors Chicago Co., Chicago.
Lexington Rubber Belting, Water Hose, Suction Hose, Steam Hose. W. D. Allen Mfg. Co., Chicago.
Leyner Drill Sharpeners. Ingersoll-Rand Co., New York.
Leyner-Ingersoll Rock Drills. Ingersoll-Rand Co., New York.
Leyner Mining Machinery. J. George Leyner Engineering Wks., Littleton, Colo.
L'Hommedieu Ship Augers. C. E. Jennings & Co., New York.
Libbey Calf Pens. C. A. Libbey Co., Oshkosh, Wis.
Libby Turret Lathes. International Mach. Tool Co., Indianapolis, Ind.
Liberty Automobiles. Liberty Motor Car Co., Detroit, Mich.
Liberty Aeroplane Engines. Hall-Scott Motor Car Co., Inc., San Francisco.
Liberty Air Compressors. Air Compressor & Equipment Co., San Francisco.
Liberty Automobile Tire Foot Pump. Apex Elec. Mfg. Co., Chicago.
Liberty Bell Flax Packing. Quaker City Rubber Co., Philadelphia, Pa.
Liberty Bells. Edwards & Co., Inc., New York.
Liberty Black Insulating Paper. C. S. Garrett & Son Corp., Philadelphia, Pa.
Liberty Boiler Flue and Tube Cleaners. B. K. Elliott Co., Pittsburgh, Pa.; Liberty Mfg. Co., Pittsburgh, Pa.
Liberty Brand Steel Letters. Allen, Doane & Co., Boston.
Liberty Bread Slicers. G. S. Blakeslee & Co., Cicero, Ill.
Liberty Circular and Paper Folding Machines. Liberty Folder Co., Sidney, O.
Liberty Clippers. Coates Clipper Mfg. Co., Worcester, Mass.
Liberty Cotton Twine. Estes Mills, Fall River, Mass.
Liberty Core and Foundry Flour Substitutes. Hill & Griffith Co., Cincinnati, O.
Liberty Core Compound. Hill & Griffith Co., Cincinnati, O.
Liberty Feed Water Regulators. Elliott Co., Philadelphia, Pa.
Liberty Fire Clay Brick and Dust. Crescent Refractories Co., Curwensville, Pa.
Liberty Floor Hardener and Wood Preservatives. Antakwa Co., Chicago.
Liberty Hand Power Shears. Schuchardt & Schutte, New York.
Liberty Hickory Handles. Hartwell Handle Co., Harvey, Ill.
Liberty Hose, Packing and Rubbers. Continental Rubber Wks., Erie, Pa.
Liberty Hot Plates. Liberty Gauge & Instrument Co., Cleveland.
Liberty Ignition Systems. Algonquin Electric Mfg. Corp., Poughkeepsie, N. Y.
Liberty Kalsomine Brushes. Gerts, Lumbard & Co., Chicago.
Liberty Lawn Mowers. American Lawn Mower Co., Muncie, Ind.
Liberty Leather Belting. Fisher Leather Belting Co., Philadelphia, Pa.
Liberty Motor, Genuine Babbitt. Great Western Smelting & Refining Company, Chicago.
Liberty Oil Filters, Feed Water Regulators. Elliott Co., Pittsburgh.
Liberty Old Style Roofing Tin. Merchant & Evans Co., Dept. H, Phila.
Liberty Packing. Continental Rubber Works, Erie, Pa.
Liberty Padlocks. E. T. Fraim Lock Co., Lancaster, Pa.
Liberty Pencil Sharpeners. Automatic Pencil Sharpener Co., Chicago
Liberty Planers. Liberty Machine Tool Co., Hamilton, O.
Liberty Power Saws. Liberty Power Saw Co., Inc., St. Paul, Minn.
Liberty Red Rubber Sheet Packing. Johns-Manville, Incorporated New York.
Liberty Roofing. National Roofing Co., Tonawanda, N. Y.
Liberty Rubber Covered Wire. National Metal Molding Co., Pittsburgh, Pa.
Liberty Silos. The McClure Co., Saginaw, Mich.
Liberty Sprayer and Auto Washer. Columbian Mail Crane Co., Columbus, O.
Liberty Tool Grinders. Buda Co., Harvey, Ill.
Liberty Tool Steel for Hack Saws, Taps, Etc. Halcomb Steel Co., Syracuse, N. Y.
Liberty Tube Cleaners. Liberty Mfg. Co., Pittsburgh, Pa.
Liberty Vacuum Cleaners. Innovation Elec. Co., New York.
Liberty Ventilators. John A. Call, Philadelphia, Pa.
Liberty Wall Board. Key-Hold Lath Co., San Francisco.
Library Bureau Filing Devices, Index Cards and Library Desks. Library Bureau, Dept. H, Cambridge, Mass.
Licresolis Liquor Cresolis Compositus. West Disinfecting Co., New York.
Liddell-Chambers Steam Engines. Liddell Co., Charlotte, N. C.
Liddell-Tompkins Steam Engines. Liddell Co., Charlotte, N. C.
Lidgerwood Hoists and Cableways. Lidgerwood Mfg. Co., New York.
Lidseen Positive Force Feed Oilers. Gustave Lidseen, Chicago.
Lidseen Pump Oilers. Gustave Lidseen, Chicago.
Liebers Codes. M. R. Bensinger Code Co., Inc., New York.
Lietz Transits. A. Lietz Co., San Francisco.
Life Draft Ensilage Cutters. Silver Mfg. Co., Salem, O.
Life Line Lariats. Tubbs Cordage Co., San Francisco.
Life Long Cots. Hard Mfg. Co., Buffalo, N. Y.
Life Motor Resuscitator. The Respiratory Apparatus Co., Chicago.
Life Saving Portable Fire Escapes. B. B. Neal Hdwe. Co., New York.
Life Time Poles. E. T. Chapin Co., Spokane, Wash.
Lifebuoy Toilet Soap. Lever Bros. Co., Cambridge, Mass.
Lifetime Aluminum Hollow Ware. Aluminum Products Co., La Grange, Ill.
Lift the Dot Carriage Fasteners. Carr Fastener Co., Boston.
Lift Valves. The Diamond Rubber Co., Inc., Akron, O.
Liftabout Hoists. Shepard Elec. Crane & Hoist Co., Montour Falls, N. Y.
Light Double Belting. Hudson Belting Co., Worcester, Mass.
Light Pacemaker Belting. The Cincinnati Rubber Mfg. Co., Cincin., O.
Light Running Egg and Cream Beaters. Taplin Mfg. Co., New Britain, Conn.
Light Service Clamps. J. H. Williams & Co., Buffalo, N. Y.
Light Socket Row Locks. Thos. Laughlin Co., Portland, Me.
Lightfoot Farm Tractors. Monarch Tractor Co., Watertown, N. Y.
Lighthouse Cutters. A. Buch's Sons, Elizabethtown, Pa.
Lighthouse Glass. Hires Turner Glass Co., Philadelphia, Pa.
Lighthouse Marine and Industrial Paints. Hill Hubbell & Co., San Francisco.
Light House Oil Stoves and Heaters. Central Oil & Gas Co., Gardiner, Mass.
Lighting Boiler Cleaners. Wm. Maurer & Co., South Bend, Ind.
Lighting Boiler Compounds. J. D. Street & Co., St. Lous, Mo.
Lighting Mail Room Equipment. Bircher Co., Inc., Rochester, N. Y.
Lighting Packing Hooks. Strong Machinery & Supply Co., New York.
Lighting Transformers. Western Electric Co., New York.
Lighting the Way Turbo Generator Sets. Pyle National Co., Chicago.
"Lightnin" Portable Mixers. Mixing Equipment Co., Inc., New York.
Lightning Animal Traps. Niagara Falls Metal Stamping Works, Niagara, Falls, N. Y.
Lightning Bench Punches. American Lock & Nut Tool Co., Oregon, Ill.
Lightning Bread Cutters. Buffalo Specialty Co., Buffalo, N. Y.
Lightning Bread Knives. Dunn Edge Tool Co., Oakland, Me.
Lightning Calculator. Lightning Calculator Co., Grand Rapids, Mich.
Lightning Churns. Hall Bros. Co., West Acton, Mass.
Lightning Clod Crushers. Cutaway Harrow Co., Higganum, Conn.
Lightning Clothes Washing Machines. Richmond Cedar Works, Richmond, Va.
Lightning Dies and Screw Plates. Greenfield Tap & Die Corp., Greenfield, Mass.
Lightning Flue Cleaners. Wm. Maurer & Co., South Bend, Ind.
Lightning Fruit and Vegetable Parers. Goodell Co., Antrim, N. H.
Lightning Fruit and Vegetable Slicers. Landers, Frary & Clark, New Britain, Conn.
Lightning Gas Engines, Pitless Scales, Centrifugal Pumps, Stump Pullers. Kansas City Hay Press Co., Kansas City, Mo.
Lightning Grass Shears. Dunn Edge Tool Co., Oakland, Me.
Lightning Guide Steering Sleds. Standard Novelty Works, Duncannon, Pa.
Lightning Hand Power Punches. American Lock Nut & Tool Co., Oregon, Ill.
Lightning Hay Presses. Kansas Hay Press Co., Kansas City, Mo.
Lightning Hose Clamp Tools. The Cleveland Pneumatic Tool Co., Cleveland, O.
Lightning Hose Couplings. Handlan-Buck Mfg. Co., St. Louis, Mo.
Lightning Hose Reels and Racks. American Rubber Mfg. Co., Emeryville, Cal.
Lightning Ice Chippers. North Bros. Mfg. Co., Philadelphia, Pa.
Lightning Insect Guns. Thos. W. Houchin Co., New York.
Lightning Knife Grinder; Butter Machine; Clothes Line Pulley. Stewart-Skinner Co., Worcester, Mass.
Lightning Lamp Cord Adjusters. Frantz Mfg. Co., Sterling, Ill.
Lightning Letter Openers; Envelope Sealers; Mailing Machines. The Bircher Company, Inc., Rochester, N. Y.
Lightning Line of Wood Working Machines. J. A. Fay & Egan Co., Cincinnati, O.
Lightning Loader Skips. Heltzel Steel Form & Iron Co., Warren, O.
Lightning Non-Tubular Packing. New York Insulated Wire Co., Boston.
Lightning Pattern Knives. Wallingford Mfg. Co., Wallingford, Vt.
Lightning Punches. American Punch & Tool Co., Oregon, Ill.
Lightning Reamers Taps and Wrenches. Wiley & Russell Mfg. Co., Greenfield, Mass.
Lightning Re-Set Rat Traps. Delphos Mfg. Co., Delphos, O.
Lightning Sanitary Churn and Mixer. Stewart-Skinner Co., Worcester, Mass.
Lightning Sickle Grinders. Geo. S. Comstock & Son, Mechanicsburg, Pa.
Lightning Smokeless Rifle Powder. Hercules Powder Co., Wilmington, Del.
Lightning Spark Plugs. Reflex Ignition Co., Cleveland.
Lightning Spray Pumps. D. B. Smith & Co., Utica, N. Y.
Lightning Stove Pipe and Elbow Machines. Hemp & Co., St. Louis.
Lightning Tools. Lee Hardware Co., Salina, Kan.
Lightning Triple Gear Mills. L. B. McCarger Feed Mill Co., St. Joseph, Mo.
Lightning Valve Grinding Compounds. Lightning Mfg. Co., Cornish Flat, N. H.
Lightning Vegetable Cutters. Munnsville Plow Co., Munnsville, N. Y.
Lightning Window Cleaner. International Specialties Co., Seattle, Wash.
Lightning Wire Stapling Machinery. A. Allen & Co., Philadelphia.
Lightweight Bicycle Lamps. Seiss Mfg. Co., Toledo, O.
Lig-Lac Wood Stains. Chas. Moser Co., Cincinnati, O.
Ligmastic Pavement. Ligmastic Pavement Corp., New York.
Ligni Salvor Wood Preservatives. Wm. Menzel & Son, New York.
Lignine G G Detail Drawing Paper. C. B. Hewitt & Bros., Inc., New York.
Lik-E-Namel Floor Finish. W. W. Lawrence & Co., Pittsburgh.
Likly (Likely) Luggage. Henry Likly & Co., Rochester, N. Y.
Likwid Sement Brick and Concrete Paints. Morene Products Co., Inc., New York.
Lilac Oil Tin Cans. Delphos Mfg. Co., Delphos, O.
Lilienburg Steel Casting Converters. Exeter Machine Works, Pittston, Pa.
Liliput Steel Measuring Tapes. Keuffel & Esser Co., Hoboken, N. J.
Lillie Evaporators and Vacuum Pans. Wheeler Condenser & Engineering Co., W. Carteret, N. J.
Lillie Multiple Effects Evaporators. Sugar Apparatus Mfg. Co., Phila.
Lilliput Blasting Batteries. Star Elec. Fuse Wks., Wilkes-Barre, Pa.
Lilly Absorbent Cotton. Am. Gauge & Cotton Co., Inc., St. Louis, Mo.
Lilly Corn Brooms. Universal Broom Co., Dept. H, Chattanooga, Tenn.
Lily Cotton Mops. Massasoit Mfg. Co., Fall River, Mass.
Lily Rubber Horse Shoe Pads. Firestone Tire & Rubber Co., Akron, O.
Lilly Hoist Controller. Duro Metal Products Co., Chicago.

Lily Lime. Rogers White Lime Co., Rogers, Ark.
Lily of the Valley Cotton Sheetings. B. B. & R. Knight, Inc., Providence, R. I.
Lily Paper Cups, Glasses and Vending Machines. Public Service Cup Co., Brooklyn, N. Y.
Lily Star Fibre Pails. Fibre Corporation, Lockport, N. Y.
Lily Steel Ranges. J. M. Ettinger, Chicago, Ill.
Lily White Brand Talc, China Clay, Soapstone, Etc. Rocks Products Co., Easton Pa.
Lima Locomotives. Lima Locomotive Corporation, Lima, O.
Limaco Automobile Fenders and Guards. Lima Sheet Metal Products Co., Lima, O.
Lime Barium. Reisert Automatic Water Purifying Co., New York.
Limestone Cement. Ironton Portland Cement Co., Ironton, O.
Limestone Wood Split Pulleys. Ohio Valley Pulley Works, Maysville, Ky.
Limoid Lime. Chas. Warner Co., Wilmington, Del.
Linabestos Asbestos Wall Boards. Asbestos Shingle, Slate & Sheathing Co., Ambler, Pa.
Linaura Blue Printing Cloth. Williams, Brown & Earle, Inc., Phila., Pa.
Linco Core Compounds. The Buckeye Products Co., Cincinnati, O.
Lincoln Bonding System. The Lincoln Bonding Co., Cleveland, O.
Lincoln Climatic Oil Paints. Lincoln Paint & Color Co., Lincoln, Neb.
Lincoln Clothes Washing Machines. C. E. Ross, Lincoln, Ill.
Lincoln Drills, Reamers, etc. Lincoln Twist Drill Co. (See Greenfield Tap & Die Corp., Greenfield, Mass.), Taunton, Mass.
Lincoln Electric Arc Welders. Lincoln Electric Co., Cleveland, O.
Lincoln Electric Motors. The Lincoln Electric Co., Cleveland, O.
Lincoln Hickory Handles. Hartwell Handle Co., Harvey, Ill.
Lincoln Kitchen Knives. Cassady Fairbank Mfg. Co., Chicago.
Lincoln Paints, Paint and Varnish Removers, Shingle Stains. Lincoln Paint & Color Co., Lincoln, Neb.
Lincoln Priming Cups and Cocks. Lincoln Brass Wks., Detroit, Mich.
Lincoln Self-Aligning Journal Box Trucks for Mine Cars. Lincoln Steel & Forge Co., St. Louis, Mo.
Lincoln Shock Absorbers. Lincoln Products Co., Newark, N. J.
Lincoln Storage Batteries. Hinsdill Elec. Co., Troy, N. Y.
Lincoln Trace Carriers. North & Judd Mfg. Co., New Britain, Conn.
Lincoln Type Milling Machines. The Carter & Hakes Machine Co., Winsted, Conn.
Lincoln Varnish Remover. Lincoln Paint & Color Co., Lincoln, Neb.
Lincrusta-Waltham Wall Covering. Lincrusta-Waltham Co., Hackensack, N. J.
Lincrusta Walton Wall Coverings. Fr. Beck & Co., New York.
Lind Motor Bodies. Swartout Company, The, Cleveland, Ohio.
Linde Oxygen; Neon; Helium. The Linde Air Products Co., New York.
Linde's Pop Safety Valves. J. E. Lonergan & Co., Philadelphia, Pa.
Linden Cotton Hose. Boston Belting Corp., Boston.
Linden Lemon Squeezers. Gilchrist Co., Newark, N. J.
Linderman Glue Jointing Machines. Linderman Steel & Machine Co., Muskegon, Mich.
Lindgren Drill Presses. Rockford Tool Co., Rockford, Ill.
Lindholm Draw Metal Grease Cups. Lindholm Metal Stamping Co., Camden, N. J.
Lindley Gasoline Strainers. W. H. Lindley Co., Canastota, N. Y.
Lindquist Wagon Tongue Supports. Harvey Spring & Forging Co., Racine, Wis.
Lindsay Special Gas Mantles. Lindsay Light Co., Chicago
Lindsay Twin Wire Wheels. T. J. Lindsay, Indianapolis, Ind.
Lindsey Wagons; Skidders. Lindsey Wagon Co., Laurel, Miss.
Lindstrom Car Brake Handles. The Dayton Mfg. Co., Dayton, O.
Linduro Enamel. The Lowe Brothers Co., Dayton, O.
Line-A-Time Copy Holders. Line-A-Time Mfg. Co., Inc., The, Rochester, N. Y.
Lineograph Duplicators. Lineograph Co., Fulton, N. Y.
Linga Kerosene Vaporizer. Specialty Brass Co., Kenosha, Wis.
Lingerwett Paint and Varnish Remover. Wilson-Imperial Co., Newark, N. J.
Linium Floor Covering. Nairn Linoleum Co., Kearney, N. J.
Link Adjustable Clamp Guard Rails. Pettibone Mulliken Co., Chicago.
Link Bell Cord Hangers, Vestibule Trap Door, Water Coolers. The Dayton Mfg. Co., Dayton, O.
Link-Belt Crawler Cranes, Disk Friction Clutches, Electric Hoists, Gondola Car Dumpers, Locomotive Cranes, Portable Loaders, Rotating Mine Car Dumpers, Silent Chains and Vibrating Screens. Link-Belt Co., Chicago, Indianapolis, Philadelphia; H. W. Caldwell & Son, Chicago.
Link-Belt Rotary Car Dumper. Link-Belt Company, Philadelphia, Indianapolis, Chicago; H. W. Caldwell & Son, Chicago.
Link to Safety Coupler Release Rigging. Union Metal Products Co., Chicago.
Lino Paints. Lino Paint Co., Cleveland, O.
Lin-O-Core Oils. Thompson & Co., Pittsburgh, Pa.
Linofelt Insulating Quilt. Union Fibre Co., Inc., Winona, Minn.
Linogrip Linoleum Cements. Pulsifer, Kingston Co., Boston.
Linoid Insulating Paper. Crane Bros., Westfield, Mass.
Lin-O-Jap Paint Oil. Thompson & Co., Pittsburgh, Pa.
Linolac Insulating Paints, Paper, Tape, Varnishes. Mica Insulator Co., New York.
Lin-O-Lac Varnish Substitutes. C. H. Boley Co., Philadelphia.
Linoleum Cork Washers. Armstrong Cork & Insulation Co., Pitts.
Lin-O-Lin Linseed Oil Substitutes. C. H. Boley Co., Philadelphia.
Linolite Electric Lamps. I. P. Frink, Inc., New York.
Linotile Sanitary Flooring Armstrong Cork & Insulation Co., Pitts.
Linova Baths. Crane Co., Chicago.
Linovus Baths. Crane Co., Chicago.
Linstrom Suction Pipe. Western Railway Equipment Co., St. Louis.
Linstroth Farm Wagons. Linstroth Wagon Co., St. Louis, Mo.
Linton Combination Heater and Muffler and Grease Extractor. Linton Machine Co., New York.
Lintz & Eckhart Embroidery Machines. Durbrow & Hearne Mfg. Co., New York.
Linwood Packing and Hose. Hewitt Rubber Co., Buffalo, N. Y.
Lion Automatic Metallic Packing. Walker, J., & Co. (Ltd.), New York.
Lion Automobile Truck Trailers. Lion Buggy Co., Cincinnati, O.
Lion Brand Aluminum and Brass Ingots. Loewenthal Co., Chicago.
Lion Brand Belt Lacing. New York Leather Belting Co., New York.
Lion Brand Fence. Page Steel & Wire Co., Bridgeport, Conn.
Lion Brand Red Rosin Sized Sheathing Paper. Barrett Co., New York; Wenzel Tent & Duck Co., H., St. Louis, Mo.
Lion Core Compounds. Keystone Foundry Supply Co., Buffalo, N. Y.
Lion Core Paste; Binder. J. S. McCormick Co., Pittsburgh.
Lion Couplers. Monarch Steel Castings Co., Detroit, Mich.
Lion Electric Blasting Apparatus, Electric Detonators. Aetna Explosives Co., New York.
Lion Ensilage Cutters. Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Lion Folding Rules. Adolph Strauss & Co., New York.
Lion Grease Cups. American Lubricator Co., Detroit, Mich.; The Lunkenheimer Co., Cincinnati, O.
Lion Head Seal Presses. Sigwalt Mfg. Co., Chicago.
Lion Heel Plates. Fate-Root-Heath Co., Plymouth, O.
Lion Hose; Valves. The Diamond Rubber Co., Inc., Akron, O.
Lion Hot Air Furnaces. Youngstown Furnace Co., Youngstown, O.
Lion Insecticides. Jas. A. Blanchard Co., New York.
Lion Mills Cordage, Twines, Waste, Etc. Hoffman-Corr Mfg. Co., New York.
Lion Paints. St. Paul White Lead & Oil Co., St. Paul, Minn.
Lion Paw Belting. R. D. Skinner & Co., New York.
Lion Rubber Bottles. Tyer Rubber Co., Andover, Mass.
Lion Steam Metallic Packing. Jas. Walker & Co., Ltd., New York.
Lion Steam and Hot Water Heaters. Pitts. Water Heater Co., Pitts.
Lion Tank Heaters. Pittsburgh Water Heater Co., Pittsburgh, Pa.
Lion Tractor Traction Engines. Lion Tractor Co., Minneapolis, Minn.
Lion Wall Finish. Ohio & Western Lime Co., Huntington, Ind.
Lion Water Closets. Jas. Barrett Mfg. Co., Boston.
Lionite Artificial Corundum, Emery and Ferro-Silicon General Abrasive Co., Inc., Niagara Falls, N. Y.
Lion-Lac Colored Varnishes. Lion Varnish Mfg. Co., Inc., Seattle.
Lip Packing. Crandall Packing Co., Palmyra, N. Y.
Lipe-Walrath Broom Sewing Machines. Alphonso Walrath Co., Fort Plain, N. Y.; Lipe & Walrath Co., Syracuse, N. Y.
Lipper Manifold Heater. Lipper Mfg. Co., Mason City, Ia.
Lippincott Axes. American Axe & Tool Co., Glassport, Pa.
Lippman Kamprite Trailer. Lippman, Kamprite Trailer Co., St. Louis.
Lipscomb Boot and Shoe Screw Calks. General Mfg. Co., Waterbury, Conn.
Liqua-Metal Bronze Paint. Flood & Conklin Co., Newark, N. J.
Liquid Cement Coating Brick Paints. Glidden Co., Cleveland.
Liquid Cement Filler Brick Paints. Glidden Co., Cleveland.
Liquid Chlorine Water Treatment. Electro Bleaching Gas Co., New York.
Liquid Granite Floor Varnish. Berry Bros. (Inc.), Detroit, Mich.
Liquid Konherit. Toch Brothers, Inc., New York.
Liquid Lead Paint. National Lead Co., New York
Liquid-Lite Paint. O'Brien Varnish Co., South Bend, Ind.
Liquid Rubber Brick Paint. Glidden Co., Cleveland, O.
Liquid Rubber Cement Brick Paint. Glidden Co., Cleveland.
Liquid Seal Fire Extinguishers. S. F. Hayward & Co., New York.
Liquid Stopleak Roofing Cement and Paint. Jones Paint Co., Rome, N. Y.
Liquid Velvet Wall Finish. O'Brien Varnish Co., South Bend, Ind.
Liquid Veneer; Floor Wax. Buffalo Specialty Co., Buffalo, N. Y.
Lisk Nickel Plated Copper Ware, Tinware, Enameled Specialties. Lisk Manufacturing Co., Canandaigua, N. Y.
Lispenard Trucks. The Lansing Company, Lansing, Mich.
Listo Center Turn Mechanical Pencil. Listo Pencil Corp., Alameda, Cal.
Litchfield Hoisting Engines. Litchfield Foundry & Machine Co., Litchfield, Ill.
Litchfield Manure Spreaders. Litchfield Mfg. Co., Waterloo, Ia.
Lite-a-Way Lenses. Kingman Co., Leominster, Mass.
Litenaire Shades. Beckley-Cardy Co., Chicago.
Litera Lavatories. Crane Co., Chicago.
Liteweight Rock Drills. Sullivan Machinery Co., Chicago.
Lith-Cold Temperature Insulation. Union Fibre Co., Inc., Winona, Minn.
Lith Deadening Felts. Union Fibre Co., Inc., Winona, Minn.
Lithoform Fluid, Galvanized Iron Primers. American Chemical Paint Co., Philadelphia, Pa.
Litholine Medicinal Petroleum Oils. Union Petroleum Co., Phila.
Lithoplate Blackboards. Richmond School Furniture Co., Muncie, Ind.
Lithotex Concrete Floor Hardener. Living-Stone Company, Baltimore, Md.
Lithowhite Silex. The Lithowhite Silex Co., Still River, Conn.
Litosilo Decking Composition. Marine Decking & Supply Co., Philadelphia, Pa.
Little Beauty Dumb Waiters. Energy Elevator Co., Philadelphia.
Little Beauty Electric Sad Irons. Am. Elec. Heater Co., Detroit, Mich.
Little Beauty Kerosene Night Lamps. Silver & Co., Brooklyn, N. Y.
Little Ben Electric Vacuum Cleaners. Clements Mfg. Co., Chicago.
Little Blacksmith Hand Power and Portable Punches and Shears. J. F. Kidder Mfg. Co., Burlington, Vt.
Little Blacksmith Hand Power Punch and Shear. H. Weiss & Co., New York.
Little Blacksmith Portable Punches, Slitting Shears. J. E. Kidder Mfg. Co., Burlington, Vt.
Little Boy Cultivators. King & Hamilton Co., Ottawa, Ill.
Little Buster Riding Listers. Racine-Sattley Co., Springfield, Ill.
Little Champion Pneumatic Rock Drills. Wickes Machinery Co., Jersey City, N. J.
Little Chief Riding Plows. International Harvester Company of America, Inc., Chicago.
Little Corporal Tack Claws and Pullers. Fletcher-Terry Co., Forestville, Conn.
Little Daisy Flag Pole Brackets. Gray Iron Foundry Co., Reading, Pa.
Little Dandy Chairs, Stools and Stands. Toledo Metal Furniture Co., Toledo, O.
Little David Pneumatic Drills, Hammers and Grinders. Ingersoll-Rand Co., New York.
Little Devil Concrete Mixers. Chicago Builders Specialties Co., Chicago.
Little Devil Tractors. Hart-Parr Co., Charles City, Ia.
Little Duke Riding Listers. Peru Plow & Wheel Co., Peru, Ill.
Little Dutchman Gang Plows. Moline Plow Co., Moline, Ill.
Little Gem Can Openers. Taylor Mfg. Co., Hartford, Conn.
Little Gem Christmas Tree Holders. C. A. Peck Hardware Co., Berlin, Wis.
Little Gem Ear Phone. Gem Ear Phone Co., Inc., New York.
Little Gem Electric Rosettes. Pass & Seymour, Solvay, N. Y.
Little Gem Garden Cultivators. Hartman Mfg. Co., Vincennes, Ind.
Little Gem Mining Drills. Peglar Machinery Co., Chattanooga, Tenn.
Little Gem Rosettes. Pass & Seymour, Inc., Solvay, N. Y.
Little Gem Tack Claws and Pullers. Turner & Deegan, Bristol, Conn.
Little Genius Tractor Plows. International Harvester Company of America, Inc., Chicago.
Little Giant Adjustable Clamps. Adjustable Clamp Co., Chicago.
Little Giant Air Drills, Grinders, Wood Borers, Reamers, Tappers, Hoists, Safety Throttle and Motor Trucks. Chicago Pneumatic Tool Co., New York.
Little Giant Air Tire Pumps. New England Tube & Stamping Co., Inc., West Haven, Conn.
Little Giant Alligator and Scrap Shears. Danville Iron & Steel Co., Danville, Pa.
Little Giant Automobile Wheel Pullers. Premier Elec. Co., Chicago.
Little Giant Belt and Motor Driven Hammers, Clothes Reels, Ditchers Graders and Tractors. Little Giant Co., Mankato, Minn.

Little Giant Blacksmiths' Shoeing Vises; Mandrels; Swage Blocks; Farriers Tool Box. B. B. Noyes & Co., Greenfield, Mass.
Little Giant Bobbin Holders. Roney & Rae Co., Woonsocket, R. I.
Little Giant Boiler Injector. Rue Mfg. Co., Philadelphia Pa.
Little Giant Boiler Tube Extractors and Tube Traps. Jno. F. Robertson Co., Pittsburgh, Pa.
Little Giant Boilers and Engines. Creamery Pkg. Mfg. Co., Chicago.
Little Giant Bumping Post. J. M. Scott & Sons, Racine, Wis.
Little Giant Can Openers. Bradley & Farnham, Middlefield, Conn.; Ellis Mfg. Co., Millidale, Conn.
Little Giant Cement Brick Machines. La Grange Machine & Repair Co., La Grange, Ind.
Little Giant Clothes Washing Machines. Little Giant Washing Machine Co., Chicago.
Little Giant Cockeyes. Frazer & Jones Co., Syracuse, N. Y.
Little Giant Corn Cutting Machines. Voss Bros. Mfg. Co., Davenport, Ia.
Little Giant Corn Shellers. Fate-Root-Heath Co., Plymouth, O.
Little Giant Cotton Presses. Cardwell Machine Co., Richmond, Pa.
Little Giant Dies, Screw Plates. Greenfield Tap & Die Corp., Greenfield, Mass.
Little Giant Dish Washing Machines. National Dish Washer Co., Binghamton, N. Y.
Little Giant Drill Chucks. Westcott Chuck Co., Oneida, N. Y.
Little Giant Dumb Waiters. Energy Elevator Co., Philadelphia.
Little Giant Electric Cable Hangers. Norton Tool Co., West Park, O.
Little Giant Electric Cellar Drainers. Chicago Pump Co., Chicago.
Little Giant Electric Tools, Portable Electric Drills, Grinders, Track Drills and Hammers. Chicago Pneumatic Tool Co., New York.
Little Giant Expansion Bolts and Screw Sleeves. Stannard Mfg. Co., Springfield, Mass.
Little Giant Fanning Mills. Johnson & Field Mfg. Co., Racine, Wis.
Little Giant Fence Machinery. Eureka Fence Mfg. Co., Richmond, Ind.
Little Giant Floor Scraping Machines. Hurley Mach. Co., Cicero, Ill.
Little Giant Floor Scrapers and Surfacing Machines. Little Giant Co., Maywood, Ill.
Little Giant Force Pumps. J. E. Kennedy, New York.
Little Giant Fruit Jar Wrenches, Wire Stretchers. Arcade Mfg. Co., Freeport, Ill.
Little Giant Fuel Oil Burners, Pump Governors. G. E. Witt Co., San Francisco.
Little Giant Garden Cultivators, Celery Hillers. Ohio Cultivator Co., Bellevue, O.
Little Giant Gas Heater. W. S. Swetland, Los Angeles, Cal.
Little Giant Gasoline Hoists. Brown Clutch Co., Sandusky, O.
Little Giant Grader; Tractor. Mayer Brothers Co., Mankato, Minn.
Little Giant Grass Hooks. H. S. Earle Mfg. Co., Detroit, Mich.
Little Giant Hand Trucks. The Lansing Company, Lansing, Mich.
Little Giant Hay Presses. Junior Monarch Hay Press Co., San Leandro, Cal.
Little Giant Holder Wrenches. Wolverine Supply & Mfg. Co., Pitts.
Little Giant Hub Boring Machines. Abbott & Co., Hudson, Mich.
Little Giant Hydraulic Baling Press. Cardwell Machine Co., Richmond, Va.
Little Giant Ice Breakers. Micro Machine Co., Bettendorf, Ia.
Little Giant Ice Tongs. Parks & Parks, Troy, N. Y.
Little Giant Jack Screws. L. S. Starrett Co., Athol, Mass.
Little Giant Laundry Stoves. Pierce, Butler & Pierce Mfg. Corp., New York.
Little Giant Lemon Squeezers. Landers, Frary & Clark, New Britain, Conn.
Little Giant Linemen's Splicing Clamps. Irvington Mfg. Co., Irvington, N. J.
Little Giant Melting Furnaces. American Gas Furnace Co., Elizabeth, N. J.
Little Giant Mole Traps. Michigan Wire Goods Co., Niles, Mich.
Little Giant Mole Traps, Pavement Cleaners, Shovels and Trowels. J. F. Ritenhouse, Liberty Mills, Ind.
Little Giant Pipeless Furnaces and School Heaters. Hero Furnace Co., Sycamore, Ill.
Little Giant Planers. Josiah Ross Mfg. Co., Buffalo, N. Y.
Little Giant Pneumatic Piston Drills and Wood Boring Machines, Electric Drills and Grinders, Pneumatic Hoists and Winches. Chicago Pneumatic Tool Co., New York.
Little Giant Pocket Vise. Wolverine Brass Wks., Grand Rapids, Mich
Little Giant Porch Swings. Modern Mfg. Co., Hagerstown, Md.
Little Giant Portable Grain Elevators. Portable Elevator Mfg. Co., Bloomington, Ill.
Little Giant Post Hole Diggers. F. E. Kohler Co., Canton, O.
Little Giant Potato Diggers. Ohio Rake Co., Dayton, O.
Little Giant Potato Sprayers, Insecticide Dusters. Leggett & Bro., New York.
Little Giant Power Hammers; Lathes; Band Saws; Arbor Presses; Clothes Reels; Etc. Little Giant Co., Mankato, Minn.
Little Giant Pruning Saws. Henry Disston & Sons, Philadelphia.
Little Giant Punches. Excelsior Tool & Mach. Co., East St. Louis, Ill.
Little Giant Punching and Shearing Machinery. Little Giant Punch & Shear Co., Sparta, Ill.
Little Giant Riveting Machines. A. C. Williams Co., Ravenna, O.
Little Giant Road Crane. Locomotive Crane Co., Champaign, Ill.
Little Giant Scoops. Edw. J. Bissell, Milford, Mich.
Little Giant Screen Door Braces. Automatic Door Catch Co., Harvey, Ill.
Little Giant Scythes. North Wayne Tool Co., Hollowell, Me.
Little Giant Seeders and Sowers. Cyclone Seeder Co., Dept. H, Urbana, Ill.
Little Giant Snatch Blocks. Pittsburgh Block & Mfg. Co., Pitts., Pa
Little Giant Spray Pumps. The F. E. Myers & Bro., Ashland, O.
Little Giant Steam Traps. Jno. F. Robertson Co., Pittsburgh.
Little Giant Tack Claws and Pullers. Cronk & Carrier Mfg. Co., Elmira, N. Y.
Little Giant Tackle Blocks. Pittsburgh Block & Mfg. Co., Pittsburgh.
Little Giant Tape Splice. The Autoset Co., Washington, D. C.
Little Giant Threshers. Heebner & Sons, Lansdale, Pa.
Little Giant Threshers and Peanut Pickers. Helbner & Sons, Lansdale, Pa.
Little Giant Tractor. Mayer Brothers Co., Mankato, Minn.
Little Giant Vises, Axle Setters, Blacksmiths' Drilling Machines. B. B. Noyes Co., Greenfield, Mass.
Little Giant Water Motors. Gilmore Electric Co., Boston, Mass.
Little Giant Water Wheels. Munson Mill Machinery Co., Utica, N. Y.
Little Giant Wire Fence Machines. Eureka Fence Mfg. Co., Richmond, Ind.
Little Giant Wire Splicers. Wagner Mfg. Co., Cedar Falls, Ia.
Little Giant Wire Stretchers. Hunt, Helm, Ferris & Co., Harvard, Ill.
Little Giant Wood Planing Machines. Fisher & Davis Mfg. Co., St. Louis, Mo.
Little Giant Double Fan Seeders and Sowers. Cyclone Seeder Co., Dept. H, Urbana, Ind.
Little Giant No. 3 Seeders and Sowers. Cyclone Seeder Co., Dept. H, Urbana, Ind.
Little Hammer Bicycles. T. B. Laycock Son & Co., Indianapolis, Ind.
Little Hustler Battery Motors. Knapp Electric & Novelty Co., New York.
Little Jack Joint Holders. Wolverine Brass Works, Grand Rapids, Mich.
Little Jewel Christmas Tree Holders. C. A. Peek Hdwe. Co., Berlin, Wis.
Little Joe Cultivators. Towers & Sullivan Mfg. Co., Rome, Ga.
Little Joe Rail Benders. What Cheer Tool Co., What Cheer, Ia.
Little King Spot Lights for Autos. Kay Bee Mfg. Co., Los Angeles.
Little Major Labeling Clips. Boorum & Pease Co., Brooklyn, N. Y.
Little Metal Wheels. J. R. Little Metal Wheel Co., Quincy, Ill.
Little Monitor Hose Nozzles. L. R. Nelson, Peoria, Ill.
Little Niagara Air Washers. Narowetz Heating & Ventg. Co., Chgo.
Little Polly Corn Brooms. Harrah & Stewart Mfg. Co., Des Moines.
Little Queen Brooms. Deshler Broom Factory, Deshler, Nev.
Little Red Dumping Wagons. Stroud & Co., Omaha, Neb.
Little Rhody Electric Lamp Flashlights. Providence Electric Mfg. Co., Providence, R. I.
Little Star Fruit and Vegetable Parers. Hudson Parer Co., Leominster, Mass.
Little Star Tin Hand Lanterns. R. E. Dietz Co., New York.
Little Sunshine Awning Holders. Awning Hdw. Co., Baltimore, Md.
Little Tiger Door Checks and Springs. Automatic Door Catch Co., Harvey, Ill.
Little Tugger Portable Hoists. Ingersoll-Rand Co., New York.
Little Victor Corn Cleaner and Combined Corn Sheller and Cleaner. Barnard & Leas Manufacturing Co., Moline, Ill.
Little Watchman Air Brake. Wright Air Brake Co., Greensboro, N. C.
Little Wizard Lanterns. R. E. Dietz Co., New York.
Little Wonder Ash Sifters. Aurora Steel Products Co., Aurora, Ill.
Little Wonder Card Cabinet. Merriam Mfg. Co., Durham, Conn.
Little Wonder Concrete Mixer. Construction Mach. Co., Waterloo, Ia.
Little Wonder Disc Sharpeners. A. E. Durner, Evansville, Wis.
Little Wonder Electric Water Heater. National Elec. Water Heater Corp., New York.
Little Wonder Lawn Sprinklers. W. D. Allen Mfg. Co., Chicago.
Little Wonder Molds. Raber & Lang Mfg. Co., Kendallville, Ind.
Little Wonder Screw Driver. Bridgeport Hdwe. Mfg. Co., Bridgeport.
Little Wonder Seeders and Sowers. Cyclone Seeder Co., Urbana, Ind.
Little Wonder Spray Pumps. Judd & Leland Mfg. Co., Clifton Springs, N. Y.
Little Wonder Stocks and Dies. J. M. Carpenter Tap & Die Co., Pawtucket, R. I.
Little Wonder Suspend Scaffolds. Little Wonder Scaffolding Co., Chicago, Ill.
Little Wonder Tool Kits. C. E. Jennings & Co., New York.
Little Wonder Tractor Plows. International Harvester Company of America, Chicago.
"Little Wonder" Tractors. Couple Gear Electric Truck Co., Grand Rapids, Mich.
Little Wonder Vulcanizing Outfit. Fred O. Lake, Washington, D. C.
Little Yankee Land Graders. Ohio Road Machinery Co., Oberlin, O.
Littleford Tar Heaters and Gravel Drier. Littleford Bros., Cincin., O.
Live Oak Leather Belting. Eagle Counter & Leather Co., Cincinnati, O.
Live Oak Oil and Rubber Hose. Pioneer Rubber Mills, San Francisco.
Live Oak Paints and Roofing Cement. Burhans Eberman Co., Cleveland, Ohio.
Live Steam Packing. A. W. Chesterton Co., Boston.
Liverpool Grate Settings. Henry Maurer & Son, New York.
Liverpool Safety Cargo Hooks. Thos. Laughlin Co., Portland, Me.
Living-Stone Concrete Bond. Living-Stone Company, Baltimore, Md.
Llenroc Fire Doors and Steel Roofing Shutters. Cornell Iron Works, New York.
Lloyd Compound Gear Driven Rolls. Wilmot Eng. Co., Hazelton, Pa.
Lloyd Loom Woven Baby Carriages and Furniture. Lloyd Mfg. Co., Menominee, Mich.
Load Lifter Electric Hoists. Alfred Box & Co., Inc., Philadelphia, Pa.
Loadometer Load Indicating Mechanism. J. F. Troll, Baltimore, Md.
Lobdell Roll Grinding Machines. Lobdell Car Wheel Co., Wilmington, Del.
Lobdell Wood Rims. American Wood Rim Co., Onaway, Mich.
Lobee Pumps. Lobee Pump & Machinery Co., Buffalo, N. Y.
Localcase Case Hardening Compounds. Shore Instrument & Mfg. Co., The, Jamaica, N. Y.
Localet Two way plugs. Benjamin Electric Mfg. Co., Chicago.
Locatap Two way plugs. Benjamin Electric Mfg. Co., Chicago.
Locdrop Annunciator. Elevator Supplies Co., Inc., Hoboken, N. J.
Lochman Moore Wood Carving Machinery. Curtis Mach. Corp., Jamestown, N. Y.
Lochman Wood Carving Machines. Curtis Mach. Corp., Jamestown, N. Y.
Lock-Bar Steel Pipe. East Jersey Pipe Corp., Paterson, N. J.
Lock City Fire Hose. Empire Mfg. Co., Lockport, N. Y.
Lock Grease Cups. Lunkenheimer Co., Cincinnati, O.
Lock Jaw Pile Handles. M. W. Robinson Co., New York.
Lock Joint Erected Trim. Hyde-Murphy Co., Ridgeway, Pa.
Lock Joint Reinforced Concrete Pipe. Lock Joint Pipe Co., Ampere, N. J.
Lock Joint Steel Ceilings. F. O. Schoedinger, Columbus, O.
Lock-Lathe Wall and Plaster Boards. Plastoid Products Co., Los Angeles, Calif.
Lock Lever Post Hole Diggers. Buckeye Mfg. Co., Canton, O.
Lock Link Chain. American Chain Co., Inc., Bridgeport, Conn.
Lock-on Handles. Electric Service Supplies Co., Philadelphia.
Lock Woven Concrete Reinforcement. W. N. Wright & Co., New York.
Locks Pasting Compound. Peerless Pasting Co., Ottawa, Ill.
Locke Cable Hanger. Cameron Appliance Co., Everett, Mass.
Locke Chains. Locke Steel Chain Co., Bridgeport, Conn.
Locke Damper Regulators. W. D. Garrett & Co., New York.
Locke Electric Cable Hangers. Cameron Appliance Co., Everett, Mass.
Locke Electric Drills. Electric Tachometer Co., Philadelphia, Pa.
Lockett Flat Flame Oil Burners. A. M. Lockett & Co., New Orleans, La.
Locke & Jewell Hub Bands. Eastern Malleable Iron Co., Naugatuck, Conn.
Locke's Damper Regulators. Locke Regulator Co., Salem, Mass.
Locke's Levels. David White Co., Milwaukee, Wis.; Keuffel & Esser Co., Hoboken, N. J.
Lockfast Molasses Gates. E. C. Stearns & Co., Syracuse, N. Y.
Lockhart Pipe Nipple Holders. R. Jas. Lockhart, Pittsburgh.
Lockland Check Book Covers. Austin & Magill, Inc., New York.
Locktite Tire Patch. Locktite Patch Co., Detroit, Mich.
Lockwell Duck. Wm. L. Barrell Co., of N. Y., Inc., New York.

Lockwood Range Boiler Stands. Central Foundry Co., New York.
Lo-Co Grates. Kramer Bros. Fdry. Co., Dayton, O.
Loco Light Turbo-Generator. The Loco Light Co., Indianapolis, Ind.
Loco Magic Purifier. Loew Mfg. Co., Cleveland.
Loco Recorders. Distance Speed Recording Co., New York.
Loco Tool Steels. Atlas Crucible Steel Co., Dunkirk, N. Y.
Loco-Valve Pilot. Distance Speed Recording Co., New York.
Locust Leather Belting. W. S. Nott Co., Minneapolis, Minn.
Locust Treenails. J. S. Hoskins Lumber Mfg. Co., Baltimore, Md.
Lodestone Cover Paper. Hampden Glazed Paper & Card Co., Holyoke, Mass.
Lodewick's Portable Fire Escapes. Hamblin & Russell Mfg. Co., Worcester, Mass.
Lodi Spring Punches. Wm. Schollhorn Co., New Haven, Conn.
Loedige Quick Acting Blower Valve. Sargent Co., Chicago.
Loetzer Dual Valves. Loetzer Valve & Mfg. Co., Monroeton, Pa.
Loetzer Valve and Service Boxes, Double Gate Valves, Fire Hydrants. Loetzer Valve & Mfg. Co., Troy, N. Y.
Loew Ale Filters. Loew Mfg. Co., Cleveland.
Loftus Injectors. Hancock Inspirator Co., New York.
Logan Air-Operated Chucks. Logansport Machine Co., Logansport, Ind.
Logan County Splint and Gas Coal. Matthew Addy Co., Cincinnati, O.
Logan Curb Service Boxes. Kauffman Metal Products Co., Bellefontaine, O.
Logan Hot Water Radiators. Logansport Radiator & Equipment Co., Logansport, Ind.
Logan Leather Belting. Fisher Leather Belting Co., Philadelphia, Pa.
Logbloc Bronze Bearings. Oregon Brass Works, Portland, Ore.
Logemann Presses and Pumps. Logemann Bros. Co., Milwaukee, Wis.
Lo-Hed Monorail Electric Hoists. Am. Eng. Co., Philadelphia.
Lo-Kost Front End Paint. Chas. R Long, Jr.. Co., Inc., Louisville. Ky
Lombard Clothes Washing Machines. Lombard-White Co., Worcester, Mass.
Lombard Clutches. Holyoke Machine Co., Holyoke, Mass.
Londelius Portable Water Heater. C. A. Londelius & Sons, Chicago.
London Cloth Finishing Presses. Hydraulic Press Mfg. Co., Mt. Gilead, O.
Lone Rock Gaskets and Packing. Wm. L. McLellan, Norwalk, Conn.
Lone Star Cement. Texas Portland Cement Co., Dallas, Texas.
Lone Star Cotton Planters. J. I. Case Plow Works, Racine, Wis.
Lone Star Paints, Wood Preservatives. Reeves Co., New Orleans, La.
Lone Star Pig Iron. State of Texas, Rusk, Texas.
Lone Star (Texaco) Burning Oil. The Texas Co., New York.
Lonergran Oilers. Chicago Engineer Supply Co., Chicago.
Long Auto Radiators. Long Mfg. Co., Detroit, Mich.
Long Automobile Horns. G. Piel Co., Long Island City, N. Y.
Long-Bell Flooring, Lumber, Poles, Posts, Ties and Timbers. The Long-Bell Lumber Co., Kansas City, Mo.
Long Chain Quillers. Whitin Machine Works, Whitinville, Mass.
Long Clutches. Long Mfg. Co., Detroit, Mich.
Long Beach Seal Presses. Sigwalt Mfg. Co., Chicago.
Long Distance Spark Plugs. Long Distance Spark Plug Co., Birmingham, Ala.
Long Henry Spark Plugs and Valve Lifters. Auburn Ignition Mfg Co., Auburn, N. Y.
Long Horn Auto Horn. Edw. A. Cassidy Co., Inc., New York.
Long Life Ball Bearings. Coppins, Scott R., Princeton, Ill.
Long Life Belt Lacing. National Leather Belting Co., New York.
Long Life Carbon Brushes. Speer Carbon Co., St. Marys' Pa.
Long Life Packing. Voorhees Rubber Mfg. Co., Jersey City, N. J.
Long Life Rubber Hose. Whitehead Bros. Rubber Co., Trenton, N. J.
Long Motor Cooling Systems. Long Mfg. Co., Detroit, Mich.
Long Oil Varnish. Seidlitz Varnish Co., Kansas City, Mo.
Long Radiators and Cooling Systems. Long Mfg. Co., Detroit, Mich.
Long Range Arbor Presses. Manley Mfg. Co., York, Pa.
Long Run Leather Belting. Consolidated Belting Co., Philadelphia, Pa.
Long Saut Cable Supporting Clamps. Diamond Expansion Bolt Co., New York.
Long Stroke Tire Pump. Motor Starter & Air Pump Co., Newark.
Long's Carbon Proof Paint. Chas. R. Long, Jr., Co., Louisville, Ky.
Long's Duplex Shaking Grate. Power Efficiency Corp., Buffalo, N. Y.
Long's Durite Interior Car Enamels. Chas. R. Long, Jr., Co., Louisville. Ky.
Long's Enamels, Paints and Varnishes for Bridges, Buildings, Railway Cars and Locomotives, Smokestacks, Etc. Chas. R. Long Jr., Co., Louisville. Ky.
Long's Galvacote Passenger Car Roof Paint. Chas. R. Long, Jr., Co., Louisville, Ky.
Long's Machinists' Clamps. Crescent Forgings Co., Oakmont, Pa.
Longford Automobiles and Accessories. Motor Accessory Distributing Co., Boston, Mass.
Longlife and Maxecon Conveyor Belts. B. F. Goodrich Co., Akron, O
Longlife Conveyor Belting. B. F. Goodrich Co., Akron, O.
Longspan Expanded Metal. Northwestern Expanded Metal Co., Chicago.
Longwear Asbestos Brake Linings. Wearwell Gasket & Packing Co., Camden, N. J.
Longyear Core Drills. E. J. Longyear Co., Minneapolis, Minn.
Lonoir Locomotive Black; Black Front End Paint. Chas. R. Long, Jr., Co., Inc., Louisville, Ky.
Lonson Coin Box. Times Printing & Mfg. Co., Thief River Falls, Minn.
Look & Lincoln Farm Wagons. Look-Lincoln, Marion, Va.
Lookout Alarm Clocks. Western Clock Co., LaSalle, Ill.
Loomflex Conduits. American Circular Loom Co.. New York.
Loomis Silos. J. H. Loomis & Sons, Phoenix, N. Y.
Loomis-Manning Filters. Loomis-Manning Filter Distrib. Co., Philadelphia, Pa.
Loomis Oil Engines. The Johnston & Jennings Co., Cleveland, O.
Looplever Hame Chains. Niagara Falls Metal Stamping Wks., Niagara Falls, N. Y.
Loopost Looseleaf Forms. Loopost Binder Co., Los Angeles, Calif.
Lopulco Pulverized Fuel Systems. Combustion Engng. Corp., New York.
Lopulco Systems. Pulverized Fuel Equipment Corp., New York.
Loraine Gas Oven Heat Regulators. Am. Stove Co., St. Louis.
Lorain Oven Heat Regulators. Geo. M. Clark & Co., Chicago.
Lorain Rail Bonds. Lorain Steel Co., Johnstown, Pa.
Lorainé Disinfectants and Packing. Wm. L. McLellan, Norwalk, Conn
Lord Arc Lamps and Brakes. Lord Manufacturing Co., Brooklyn, N. Y.
Lord Baltimore Car Trucks. Baltimore Car & Fdy. Co., Baltimore, Md.
Lord Kelvin Navigation Instruments. Max Kuner Co., Seattle, Wash.
Lord & Burnham Hot Water Heaters. Lord & Burnham Co., Irvington, N. Y.
Lord's Boiler Compounds; Elevator Compound. Engineering Supply Co., Philadelphia, Pa.; Henry Lord Chemical Co., Baltimore, Md.
Lorecа Cables. Hazard Mfg. Co., Wilkes-Barre, Pa.
Lorens Channel Pins. Central Elec. Co., Chicago.
Lorenzen Radium Luminous Tile Figures. Lorenzen & Co., Inc., Chas. F., Chicago.
Lorol Belt Dressing. Viscol Co., Cambridge, Mass.
Losant Hose. Cincinnati Rubber Mfg. Co., Cincinnati, O.
Loso Liquid Soap. Theo. B. Robertson Products Co., Chicago.
Lo-swing Lathes. Fitchburg Machine Works, Fitchburg, Mass.
Lo-Tens Grinding Wheels. Precision Grinding Wheel Co., Inc., Philadelphia, Pa.
Lo-Test Rubber Gloves. The Wilson Rubber Co., Canton, O.
Lo-Tex Brick and Tile. Longmont Brick & Tile Co., Longmont, Colo.
Lothrop's Belt Awls. Greene, Tweed & Co., New York; Manufacturers' Belt Hook Co., Chicago.
Lotraction Tires. Gordon Tire & Rubber Co., Canton, O.
Lott Wire Stretchers. American Steel & Wire Co., Chicago.
Lotus Babbitt Metal. Lumen Bearing Co., Buffalo, N. Y.
Lotus Cotton Mops. Massasoit Mfg. Co., Fall River, Mass.
Louden Barn Door Hangers, Hay Carriers, Hay Fork Pulleys. Louden Machinery Co., Fairfield, Ia.
Louden Hay Tools, Overhead Carrying System. Louden Machinery Co., Fairfield, Ia.
Louisiana Hoes. Union Fork & Hoe Co., Columbus, O.
Louisville-Avery Traction Engines. B. F. Avery & Sons, Louisville, Ky.
Louisville Electric Portable Drills and Hack Saw Machines. Louisville Elec. Mfg. Co., Louisville, Ky.
Louisville Portland Cement. Louisville Cement Co., Louisville, Ky.
Louisville Stalk Cutters. B. F. Avery & Sons, Louisville, Ky.
Louisville Slugger Baseball Bats. Hillerich & Bradsby Co., Louisville, Ky.
Lourl Hydraulic Machinery. Lourie Mfg. Co., Springfield, Ill.
Lourie Cement. Garden City Sand Co., Chicago.
Lourie-No-Smoke Forge Hoods. Lourie Mfg. Co., Springfield, Ill.
Lovejoy Carbureters. Hoyt Elec. Instrument Works, Penacock, N. H.
Lovejoy Jacks. Lovejoy Tool Works, Chicago.
Lovejoy Jacks and Old Man Drilling Posts. Lovejoy Tool Works, Chicago.
Lovejoy Tin Shell Chaplets. C. H. Lovejoy Chaplet Co., Cambridge, N. Y.
Lovejoy Tools. Lovejoy Tool Co., Inc., Springfiled, Vt.
Lovekin Automatic Hot Water Heater. Lovekin Water Heater Co., Philadelphia, Pa.
Lovekin Pipe Expanding Machines. Lovekin Pipe Expanding & Flanging Machine Co., Philadelphia, Pa.
Lovell Window Device. G. Drouve Co., Bridgeport, Conn.
Lovibond Tintometers. Eimer & Amend, New York.
Lovico Process (Singlecoat) Freight Car Paint. Chas. R. Long, Jr., Co., Louisville, Ky.
Lovo Transformers. Campbell Electric Co., Lynn, Mass.
Low Down Tank Pumps. The F. E. Myers & Bros., Ashland, O.
Lowatt Incandescent Electric Lamps. Edison Lamp Works, of G. E. Co., Harrison, N. J.
Loway Sine Bars and Size Blocks. A. F. Way Co., Inc., Hartford, Conn.
Low Down Concrete Mixers. Elite Mfg. Co., Ashland, O.
Low Moor Pig Iron. Low Moor Iron Co., Low Moor, Va.
Low Moor Steel. Houghton & Richards, Boston, Mass.
Loway Sine Bars; Size Blocks; Adjustable Stock Supports. Way Co., Inc., A. F., Hartford, Conn.
Lowden Dryer. Colorado Iron Works Co., Denver. Colo.
Lowe Gas Engine. Lowe Bros., Mach. & Engine Wks., Columbus, O.
Lowe Heaters, Boilers. Bridgeport Boiler Wks. Co., Bridgeport, Conn.
Lowe Staybolt Breakers. Williams, White & Co., Moline, Ill.
Lowell Safety Pins. Seymour Metal Goods Co., Seymour, Conn.
Lowe Staybolt Breakers. Williams, White & Co., Moline, Ill.
Lowell Mill Crayons. Lowell Crayon Co.. Lowell, Mass.
Lowell Slop Sinks. Sanitas Mfg. Co., Boston.
Lowell Vises and Reversible Ratchet Wrenches. Lowell Wrench Co., Worcester, Mass.
Lowell Vulcanizer. Auto-Tire Vulcanizing Co., Lowell. Mass.
Lowest Low-Down Manure Spreaders. New Idea Spreader Co., Coldwater, O.
Lowrey-Hose Couplings. Gustin-Bacon Mfg. Co., Kansas City, Mo.
Lowrie Wall Safes. Lowrie Safe & Lock Mfg. Co., Chicago.
Lowvolt Transformers. Campbell Elec. Co., Lynn, Mass.
Loxem Padlocks. E. T. Frain Lock Co., Lancaster, Pa.
Loxo Levels. B. L. Makepeace, Boston,
Loxol Cement. Loxol Mfg. Co.. Lebanon. N. H.
Loxon Lamp Guards. McGill Mfg. Co., Valparaiso, Ind.
Loxon Metallic Shingle. Penn Metal Co., Boston.
Loxrite Metallic Shingles. Hyndman Roofing Co., Cincinnati.
Loxspring Harness Naps. North & Judd Mfg. Co., New Britain, Conn.
Loxwell Padlocks. E. T. Frain Lock Co., Lancaster, Pa.
Loyal Belt Fasteners. Mount Vernon Belting Co., Baltimore, Md.
Loyal Flag Holder. Wm. L. Deming, Salem, O.
Loyd Shock Absorbers. Loyd Mfg. Co., Oakland, Cal.
Loysteel Grinding Balls. United Alloy Steel Corp., Canton, O.
Lubeco Babbitt Metal. Lumen Bearing Co., Buffalo, N. Y.
Lubra Metallic Packing. Western Packing & Supply Co., Chicago.
Lubrantine Grease. Wm. C. Robinson & Son Co., Baltimore, Md.
Lubrex Oils and Greases. Lubrex Oil & Grease Co., Pittsburgh, Pa.
Lubri Hide. Chicago Rawhide Mfg. Co., Chicago.
Lubric Oils and Greases. Patterson Lubricating Co., Boston, Mass.
Lubricating Pumps. Fulflo Specialties Co., Blanchester, Ohio.
Lubricene Lubricating Oils & Greases. Northern Chemical Co., Cleveland.
Lubricool Cutting & Drilling Compounds. Farr Mfg. Co., Tonawanda, N. Y.
Lubrioil Oils. Thos. Wildes' Sons, New York.
Lubrite Self-Lubricating Bushings. Merriman Bros., Boston, Mass.
Lubro-Kool Soluble Oil. G Whitfield Richards, Philadelphia, Pa.
Lubro Visco Lubricating Oils and Greases. Post & Lester Co., Hartford, Conn.
Lubron Packing. Lubron Co., Everett, Mass.
Lub-Well Cutting and Drilling Compounds. G. Whitfield Richards, Philadelphia.
Lucas Belt Sander. Wayne Machinery Co., Ft. Wayne, Ind.
Lucas Belt Sanding Machines. Curtis Machine Corp., Jamestown, N. Y.
Lucas Chain Tape and Steel Chain Measuring Tapes. J. C. Ulmer Co., Cleveland.
Lucas Crossings, Frogs, Stands and Switches. Cleveland Frog & Crossing Co., Cleveland, O.
Lucas Dressing Carriage. John Lucas & Co., Philadelphia.
Lucas Mill Whites "The Great Daylighters." John Lucas & Co., Inc., Philadelphia, Pa.
Lucas Paints and Varnishes. Jno. Lucas & Co., Inc., Philadelphia, Pa.
Lucas Photomicrographic Camera. Eimer & Amend, New York.
Lucas Power Presses. Lucas Machine Tool Co., Cleveland.
Lucas Power Pumps. Lucas Miner Tool & Production Co., Dayton, O.

Lucas Switches, Spring Rail Frogs. Cleveland Frog & Crossing Co., Cleveland.
Lucaseal Enamels. John Lucas & Co., Philadelphia.
Lucaseal Oil Stain, Prepared Wax, Varnish. John Lucas & Co., Inc., Philadelphia, Pa.
Lucaspar Varnish. John Lucas & Co., Inc., Philadelphia, Pa.
Luceo Glass Shades. Jefferson Glass Co., Follansbee, W. Va.
Lucera Nickel-copper Resistance Wire. Electrical Alloy Co., Morristown, N. J.
Lucero Wire. The Electrical Alloy Co., Morristown, N. J.
Lucifiex Vault Lights. Alexander Chambley, Philadelphia, Pa.
Luckhurst Countersinks and Reamers. Scully Steel & Iron Co., Chicago.
Luckie Steel Fishing Rods. Horton Mfg. Co., Bristol, Conn.
Lucky Hit Cultivators. Racine-Sattley Co., Springfield, Ill.
Lucky Strike Babbitt Metal. Cleveland Alloys Co., Cleveland.
Lucky Strike Plumbers Force Cups; Tank Balls; Hose and Nozzles; Red Sheet Packing; Rubber Bands and Jar Rings. Lavelle Rubber Co., Chicago.
Luco Brand Solder; Soldering Paste and Salts; Liquid Flux. Thos. F. Lukens Metal Co., Philadelphia, Pa.
Luco-Zone Traffic Paints. John Lucas & Co., Inc., Philadelphia, Pa.
Ludington Copy Holder. Beaton & Cadwell Mfg. Co., New Britain, Conn.
Ludlow Gate Valves. The Ludlow Valve Mfg. Co., Troy, N. Y.
Ludlow Railway Track Drills. Johnston & Jennings Co., Cleveland.
Ludlum Water Tube Marine Boilers. New York Eng'g. Co., New York.
Ludowici-Celadon Roofing Tile. Ludowici-Celadon Co., Chicago.
Luedinghaus Farm Wagons. Luedinghaus-Espenschied Wagon Co., St. Louis, Mo.
Luehrs Heating Systems. Luehrs Electric Heating Co., Cleveland.
Lufkin Rules and Tapes. Lufkin Rule Co., Saginaw, Mich.
Luhrig Coal Washing Machinery. Link-Belt Co., Chicago, Indianapolis, Philadelphia; H. W. Caldwell & Son, Chicago.
Luhrig Elevator Buckets and Jigs for Washeries. Link-Belt Company, Chicago.
Luitwieler Pumping Engines. Luitwieler Pumping Engine Co., Rochester, N. Y.
Lull & Porter Blind Hinges. Grey Iron Casting Co., Mt. Joy, Pa.
Luma—The Radium Luminous Compound. Radium Chemical Co. Pittsburgh, Pa.
Lumber Jack Crayons. New Jersey Crayon Co., Paterson, N. J.
Lumberman's Hand Carts. A. Streich & Bro. Co., Oshkosh, Wis.
Lumeco Genuine Babbitt Metal. Thos. F. Lukens Metal Co., Philadelphia, Pa.
Lumen Bearings and Castings. Lumen Bearing Co., Buffalo, N. Y.
Lumen Bearings. Lumen Bearing Co., Buffalo, N. Y.
Luminal Dry Paints. Gustav Henry Muller, New York.
Luminal Paints. Gustav Augustus Henry Muller, New York.
Luminite Automobile Clocks. Luminite Co., New York.
Lumino Metal Polish. F. T. Lord Polish Co., Cambridge, Mass.
Lumo Oil Lamps. Edw. Miller & Co., Meriden, Conn.
Lumo-Vitro Switch Plates. The Brascolite Company, Division of St. Louis Brass Mfg. Co., St. Louis, Mo.
Lumnite Cold Water Factory White. The Reardon Co., St. Louis, Mo
Luna Bathing Caps, Rubber Gloves. Star Rubber Co., Akron, O.
Luna Glass and Shades. H. Northwood Co., Wheeling, W. Va.
Luncen Door Switches, Electric Bells. Edwards & Co., New York.
Lund Street Cleaning Machines. Bay City Iron Works, San Francisco.
Lundell Electric Fans. Sprague Electric Co., New York.
Lundie Tie Plate. The Lundie Engineering Corp., New York.
Lundin Electric Fault Finders. Lundin Electric & Machine Co., Boston.
Lundy Gasoline Blast Furnaces, Fire-Pots. Double Blast Mfg. Co., North Chicago, Ill.
Lungen Bells and Buzzers. Edwards & Co., Inc., New York.
Lungmotor. Lungmotor Co., Boston, Mass.
Lungmotor Resuscitating Devices. Life Saving Devices Co., Chicago.
Lunkenheimer Valves, Lubricators, Grease Cups, Gauges, etc. The Lunkenheimer Co., Cincinnati, O.
Lunken Patent Unit Windows. Lunken Window Co., The, Cincinnati, O
Lupton Steel Sash Partitions and Doors, Rolled Steel Skylights, Steel Shelving, Tool Cabinets, Bins, Etc. David Lupton's Sons Co. Philadelphia, Pa.
Lusta-Spra Cleaner. Columbus Austin Thomas, Washington, D. C.
Luster Band Brooms. Deshler Broom Factory, Deshler, Nev.
Luster Finish Carriage Top Dressing. Endurance Autoil Co., Muncie, Ind.
Lustra Architectural Varnishes. Murphy Varnish Co., Newark, N. J.
Lustra Crayons. Koh-I-Noor Pencil Co., New York.
Lustra Flashlights and Batteries. Novo Mfg. Co., Inc., New York and Chicago.
Lustra Floor and Furniture Oil. The C. B. Dolge Co., Westport, Conn
Lusterlo Floor Dressing. Berry Brothers, Inc., Detroit, Mich.
Lusterine Metal Polish. Fiebing Chemical Co., Milwaukee.
Lustreine Metal Polish. Oscar Schlegel Mfg. Co., New York.
Lustre-Kote. Acme White Lead & Color Works, Detroit, Mich.
Lustr-ite Locomotive Black. Chas. R. Long, Jr. Co., Louisville, Ky
Lustrite Polish. Ronald Vivian Taylor, New York.
Lustro Aluminum Cooking Utensils. Pacific Aluminum Co., Fresno, Cal.
Lustro Floor Finish. Hanna Paint Mfg. Co., Columbus, O.
Luteca Red Lead. Wm. Waterall & Co., Camden, N. J.
Luthe Shoveling and End Gate Boards. Peoria Drill & Seeder Co., Peoria, Ill.
Luthy Storage Battery. Koehler Mfg. Co., Inc., Marlboro, Mass.
Lutz Electric Wiring Mouldings. American Circular Loom Co., Chelsea, Mass.
Lutz File Handles. Lutz File Co., Cincinnati.
Lutz Quilting Machines, Tool Holders and Wrenches. Lutz Co., Inc., Philadelphia.
Lutz Surface Heater. Equitable Asphalt Maintenance Co., Kansas City, Mo.
Lutz Wrench. Lutz-Webster Engr. Co., Philadelphia, Pa.
Luverne Fire Trucks. Luverne Automobile Co., Luverne, Minn.
Lux Enamel Paints. Keystone Varnish Co., Brooklyn, N. Y.
Lux Soap Flakes. Lever Bros., Cambridge, Mass.
Luxall Utility Varnish. The National Roofing Co., Tonawanda, N. Y
Luxe Stearic Acid. Emery Candle Co., Cincinnati.
Luxeberry Enamel. Berry Bros., Detroit.
Luxeberry Finishes and White Enamel. Berry Bros., Inc., Detroit Mich.
Luxfer Prism Transoms and Windows. Skylights, Floor and Ceiling Lights Sidewalks, Slabs. American Luxfer Prism Co., Chicago
Luxfibil Willow, Rattan and Reed Furniture. E. T. Burrows Co., Portland, Me.
Luxfibre Furniture. The E. T. Burrowes Co., Portland, Me.
Luxor Shade Cloth. Western Shade Cloth Co., Chicago.
Luxsolite Fixtures. Westinghouse Elec. & Mfg. Co., East Pittsburgh.
Luxsolite Mazda Lighting Fixtures. Westinghouse Electric & Mfg. Co., E. Pittsburgh, Pa.
Luxton Drinking Fountain. Crane Company, Chicago.
Luxury Auxiliary Auto Seats. Hodge & Graves Co., Amesburg, Mass.
Luxury Canned Goods. Otoe Food Products Co., Nebraska City, Neb.
Luxury Radical Gas Heaters. Lawson Mfg. Co., Homestead, Pa.
Luzerne Valves. The Diamond Rubber Co., Inc., Akron, O.
Lycoming Motors. Lycoming Foundry & Mach. Co., Williamsport, Pa.
Lycoming Footwear. U. S. Rubber Co., New York.
Lycoming Gasoline Engines. Lycoming Motor Corp., Williamsport, Pa.
Lyknu Furniture Polish. Lyknu Polish Mfg. Co., Pittsburgh, Pa.
Lyle Line Carrying Guns. David Kahnweller's Sons, New York.
Lyle Yacht Cannons. David Kahnweiler's Sons, New York.
Lyman Acre Foot Meters. Great Western Meter Co., Oakland, Cal.
Lyman Barbed Wire. American Steel & Wire Co., Chicago.
Lynch Automobile Chain Locks. Edw. B. Stimpson Co., Brooklyn.
Lynch Bottle Blowing Machinery. Lynch Glass Machinery Co., Anderson, Ind.
Lynch-Gaken Lock Buckles. Edw. B. Stimpson Co., Brooklyn.
Lynde Pop Safety Valves. Chicago Engineer Supply Co., Chicago.
Lyndon Lavatories. Crane Co., Chicago.
Lyne & Thompson Steam Engine Indicators. Schaeffer & Budenberg Mfg. Co., Brooklyn, N. Y.
Lynite Aluminum Castings, Forgings, Gear Blanks and Engine Pistons. Aluminum Manufacturers, Inc., Cleveland, O.
Lynite Aluminum Pistons. McQuay-Norris Mfg. Co., St. Louis, Mo.
Lynn Filters. Hygeia Filter Co., Detroit, Mich.
Lynn Oil. Texas Co., New York.
Lynn Sewer Gas Traps. Central Foundry Co., New York.
Lynn Water Tube Boilers. Tudor Boiler Mfg. Co., Cincinnati, O.
Lynux Bronze Bearings, Bushings and Casting. Aluminum Castings Co., Cleveland.
Lynx Belt. The Diamond Rubber Co., Inc., Akron, O.
Lyon & Tiger Stove Pipe and Elbows. Lyon, Conklin & Co., Inc., Baltimore, Md.
Lyon Breathing Machine. Cleveland Breathing Machine Co., Cleveland, O.
Lyon Brick. Kier Fire Brick Co., Pittsburgh, Pa.
Lyon Conklin & Co., Elbow Machines and Seaming Machines. Lyon, Conklin & Co., Inc., Baltimore.
Lyon Convex Automobile Bumpers. Metal Stamping Co., Long Island City, N. Y.
Lyon Couplers. Monarch Steel Castings Co., Detroit, Mich.
Lyon Factory Equipment and Steel Products. Lyon Metallic Mfg. Co., Aurora, Ill.
Lyon Heel Stiffeners. Stowell Co., So. Milwaukee, Wis.
Lyon Lawn Mowers. S. P. Townsend & Co., Orange, N. J.
Lyon Mechanical Resuscitating Device. Cleveland Breathing Machine Co., Cleveland.
Lyon Reinforced Steel Gear Cases. Electric Service Supplies Co., Philadelphia.
Lyon Silica Brick. Kier Fire Brick Co., Pittsburgh.
Lyon Spring Bumpers. Metal Stamping Co., Long Island City, N. Y.
Lyon Steel Factory Equipment, Lockers, Benches, Racks, Partitions, Desks, Tables, Trucks. Lyon Metallic Mfg. Co., Aurora, Ill.
Lyonel Sheet Metal. Lyon, Conklin & Co., Inc., Baltimore, Md.
Lyonore Metal and Steel Roofing and Siding. Lyon, Conklin & Co., Inc., Baltimore.
Lyon's Auto Springs. Edward F. Lyon Co., Detroit, Mich.
Lyons Automobile Wind Shields. Hugh Lyons & Co., Lansing, Mich.
Lyons Fanning Mills. Nagley Mfg. Co., Lyons, N. Y.
Lyra (Texaco) Lubricating Oil. The Texas Company, New York.
Lyradion Loud Speakers. Lyradion Sales & Engineering Co., Mishawaka, Ind.
Lysholm Punches and Tables. The Norbom Engineering Co., Darby, Pa.
Lytestrong Steel Shaft Hangers. Bond Foundry & Mach. Co., Manheim, Pa.
Lytton Steam Traps, Blow-off and Reducing Valves. Lytton Mfg. Corp., Franklin, Va.

M

M. A. C. Fordson Locomotive Attachment; Hoists; Rail Cars. Skagit Steel & Iron Works, Sedro-Wooley, Wash.
M. B. C. Roofing Cements. Eagle Paint & Varnish Co., Pittsburgh.
M. B. P. Brand Carbon Paper and Typewriter Ribbons. Miller-Bryant-Pierce Co., Aurora, Ill.
M. B. Waterproof Packing. Montgomery Bros., Inc., Philadelphia, Pa.
M Brand Implement Supplies, Auto Truck Frames and Radiator Guards. The F. C. Mason Co., St. Johns, Mich.
M-C Automatic Gear Hobbing Machines; Spur Gears; Spiral Gears; Pinion Rod. Meisselbach-Catucci Mfg. Co., Newark, N. J.
M. C. B. Air Brake Hose. Revere Rubber Co., Chelsea, Mass.
M. C. B. Brass Products. Michigan Copper and Brass Co., Detroit.
M. C. B. Car Couplers. National Malleable Castings Co., Cleveland.
M. C. B. Journal Box Lids. Union Spring & Mfg. Co., Pittsburgh, Pa.
M. C. Christie Brake Shoe. American Brake Shoe & Fdry Co., Mahwah, N. J.
M. Covel Belt Fasteners. Manufacturers' Belt Hook Co., Chicago.
M. C. E. Multiple Spindle Vertical Boring Machine. Manufacturers' Consulting Engineers, Syracuse, N. Y.
M-C Gear Hobbers and Gears. Meisselbach-Catucci Mfg. Co., Newark, N. J.
M. C. K. Automatic Safety Locks. Elevator Locks Co., Peoria, Ill.
M-C-K Elevator Safety Devices. Surety Guard Co., Chicago.
M. C. Lubricating Oils and Greases. Mound City Oil & Supply Co., St. Louis.
M-C Mixers, Engines, Carts. Chicago Builders Specialties Co., Chicago.
M-C Rail-Track Features. Marsh-Capron Mfg. Co., Chicago.
M. C. S. Asbestos Brake Lining, Clutch Compounds, Spark Plugs. Motor Car Supply Co., Chicago.
M-D-Co. Pumps. Mechanical Devices Co., Aurora, Ill.
M. E. Co. Grease Cups. Marvel Engr. Co., Chicago.
M. E. C. Air Chucks, Collapsible Taps, Expanding Mandrels and Special Tools. Manufacturers' Equipment Co., Chicago.
M. F. Automobile Pinions and Gears. Milwaukee Forge & Machine Co., Milwaukee, Wis.
M F M A Flooring. Maple Flooring Manufacturers' Assn., Chicago.
MF Tar Coating. The Barrett Co., New York.
M-G Hydraulic Presses. Hydraulic Press Mfg. Co., Mt. Gilead, O.
M. Hydrants. Illinois Malleable Iron Co., Chicago.
M. H. Ball Cocks. Exeter Brass Works, Exeter, N. H.
M.-H. Valves, Cocks, Fittings, Engine Trimmings, etc. McNab & Harlin Mfg. Co., Paterson, N. J.

M. I. C. Insulating Compounds, Paints, Paper and Varnish. Mica Insulator Co., New York.
M. I. F. Co., Boat Anchors, Cleats, Hooks, Row-Locks, Chain Shackles, Cut Spikes, Zinc Coated Nails, Engine & Machine Oilers. Malleable Iron Fittings Co., Branford, Conn.
M. I. P. Pipe Fittings. Malleable Iron Fittings Co., Branford, Conn.
M. I. W. Curb and Valve Boxes, Sink Brackets, Floor Flanges, Flush Tank Regulators and Range Boiler Stands. Modern Iron Works Quincy, Ill.
M. I. W. Plumbing, Heating, Water and Gas Supplies. Modern Iron Works, Quincy, Ill.
M-J Lubricated Trolley Wheels, Standard Trolley Harps. More-Jones Brass & Metal Co., St. Louis, Mo.
M. K. & T. Weed Burners. Commonwealth Steel Co., St. Louis.
M. K. Disc Harrows. Kingman Plow Co., Peoria, Ill.
M. L. B. Belting. Milwaukee Leather Belting, Milwaukee, Wis.
M. L. B. Clutch Linings. Milwaukee Leather Belting Co., Milwaukee.
M. L. P. Leather Packings. Michigan Leather Packing Co., Inc., Detroit, Mich.
M. Leather Belting. Moloney Belting Co., Chicago.
M. M. C. Magnetic Pulleys and Separators. Magnetic Mfg. Co. Milwaukee, Wis.
M. M. Evaporated Milk. Meyenberg Evaporated Milk Co., San Francisco.
M. M. S. Die Sinking Attachment. The Modern Manufacturers' Sales Co., Detroit, Mich.
M. M. S. Woven Wire Fences. American Steel & Wire Co., Chicago.
M P Cables. Motor Parts Co., Philadelphia, Pa.
M. P. Electrical Parts for Automobiles. Motor Parts Co., Philadelphia Pa.
M. P. Floor Finish. Glidden Co., Cleveland.
M-P Gears. Meisel Press Mfg. Co., Boston, Mass.
M-P Piston Rings. Metal Products Co., St. Louis, Mo.
M. P. Rust Proof Coating. B. Binswanger & Co., Philadelphia.
M-P Wrought Washers, Riveting Burrs and Metal Stampings. The Master Products Company, Cleveland, O.
M-R Insulation. Mitchell-Rand Mfg. Co., New York.
M B Oak Flooring. The Mowbray & Robinson Co., Cincinnati, O.
M-R-V Melting Furnaces. J. B. Wise, Watertown, N. Y.
M. S. C. Carbon Removers. Motor Car Supply Co., Chicago.
M. S. Co. Tanks and Ventilators. Mobile Steel Co., Mobile, Ala.
M. S. O. Cylinder Grinders. Marburg Brothers, Inc., New York.
M. S. W. Hack Saw Machines. Mass. Saw Works, Springfield, Mass
M. V. B. Ball Cocks, Closet Seat Hinges, Flushing Valves. Morency-Van Buren Mfg. Co., Sturgis, Mich.
M Valves. Milwaukee Valve Co., Milwaukee, Wis.
M. W. Trolley Wire Clamps. Ohio Brass Co., Mansfield, O.
M. & B. Carburetors. A. R. Mosler & Co., Mt. Vernon, N. Y.
M. & B. Sucker Rod Sockets. Masseth Packer & Machine, Butler, Pa.
M. & E. All Metal Fire Doors and Shutters. Merchant & Evans Co., Philadelphia, Pa.
M. & E. Grease Cups, Lubricators. Merchant & Evans, Co., Phila.
M. & E. Solder. Marchant & Evans Co., Philadelphia, Pa.
M. & E. Type Metal. Merchant & Evans Co., Phila., Pa.
M. & G. Friction Clutch Pulley. Muncie Oil Engine Co., Muncie, Ind.
M. & H. Feed and Litter Carriers. Miller & Hay Mfg. Co., Wauseon, Ohio.
M. & H. Rolled Zinc; Slab Zinc; Corrugated Zinc Roofing; Zinc Shingles. Matthiessen & Hegeler Zinc Co., La Salle, Ill.
M. & I. Hand Torches, Sheet Steel Oilers. Walter Mfg. Co., Pittsburgh.
M. & M. Carbon Paper. Mittag & Volgar, Park Ridge, N. J.
M. & M. Concrete Form Clamps. M. & M. Wire Clamp Co., Minneapolis, Minn.
M. & M. Diamond Metal Polish. Motor & Machinists Supply Co., Kansas City, Mo.
M. & M. Hog Knives. Mitts & Merrill, Saginaw, Mich.
M. & M. Rail Clamps. M. & M. Rail Clamp Co., Pittsburgh; The Barrett Machine Co., Pittsburgh, Pa.
M. & O. Crank-Pin Turning Tool. Murrie & Ott, La Crosse, Wis.
M. & O. Pine Wrench. Martin & Ogden Wrench Co., Boston, Mass.
M. & R. Soft Hammers. L. J. Rebele, Brooklyn, N. Y.
M. & S. Automobile Magneto Igniters. Sleeper Co., Fowler, Ind.
M. & S. Chairs and Chair Irons. Marble & Shattuck Chair Co., Cleveland, O.
M & S Differentials. The M & S Corporation, Detroit, Mich.
M. & W. Paper Mill Screens. Moore & White Co., Philadelphia.
Maag Gears. Maag Gear Co., New York; Niles-Bement-Pond Co., New York.
Maas Carbonators. Maas Carbonator Co., Milwaukee.
Maas Seal Presses. Sigwalt Mfg. Co., Chicago.
Mabbs Rawhide Packing. Chicago Rawhide Mfg. Co., Chicago.; Mabbs Hydraulic Packing Co., Chicago.
Mabbs Hydraulic, Leather, Marine, Oil, Water, Piston Rod and Pump Packing. Mabbs Hydraulic Packing Co., Chicago.
Mabir Insulator Pins. Electrical Material Co., Chicago.
Mabo Steel Locomotive Tube. Tyler Tube & Pipe Co., Washington Pa. Spencer Otis Co., Chicago.
MacAdam Blue Print Machines. Revolute Machine Company, New York.
Mac Brass Oil Cups. Wm. Powell Co., Cincinnati.
Macbeth Lamp Chimneys. Macbeth-Evans Glass Co., Pittsburgh.
MacBeth-Monax Electric Lamp Shade. Macbeth-Evans Glass Co., Charleroi, Pittsburgh.
Macallen Canopy Insulators. Macallen Co., Boston, Mass.
Mac-Coach Varnish. Michael McNamara Varnish Works, Detroit, Mich
Maccoll Spooler Guides, Bobbin Holders. Draper Corp., Hopedale, Mass.
Macoak Leather Belting. McLeod Leather & Belting Co., Greensboro, N.C.
Macdonald Roller and Ramming Patterns. Snead & Co. Iron Works (Inc.), Jersey City, N. J.
Macdonald Shaking Grates. International Engineering Works, Inc., Framingham, Mass.
Mac-Dry Batteries. Mack Battery Co., Los Angeles.
Mace Refrigerators. L. H. Mace & Co., New York.
MacFarlane Switches and Switchboards. Blake Elec. Mfg. Co., Boston.
MacGregor Golf Balls. Crawford McGregor & Conby Co., Dayton, O.
Machen Receptacles. Machen Electric Mfg. Co., Philadelphia.
Machine Bronze. Lumen Bearing Co., Buffalo, N. Y.
Machinebronze Stock Bars and Bushings. Lumen Bearing Co., Buffalo N. Y.
Machman Feed Water Purifiers. D. W. Patterson, Philadelphia.
Mac-Interior Varnish. Michael McNamara Varnish Works, Detroit Mich.
Mac-It Hollow Set and Cap Screws. Strong, Carlisle & Hammond Co., Cleveland.
Mac-Kae Blitz Spark Plugs. Randall-Faichney Co., Boston.
Mac Kay Automobile Valves. Mac Kay & Austin, Inc., Emeryville, Cal.
Machie & Sons Flax Machinery. Wm. Firth, Boston.
Mack Motor Fire Engines & Trucks. International Motor Co., New York.
Mack Stenographers' Copy Holders. Weber-Knapp Co., Jamestown, N. Y.
Mackenzie Exhausters and Blowers. Isbell-Porter Co., Newark, N. J.
Mackie Vacuum Fumigators. Union Tank & Pipe Co., Los Angeles.
Mackin Automobile Oil Gauges. Mackin Oil Gauge Co., Worcester, Mass.
Mackin Oil Gauges for Fords. Stephen Mackin Mfg. Co., Worcester, Mass.
Mackintosh Sugar Centrifugals. S. S. Hepworth Co., New York.
MacLean Dumping Carts. MacLean & McCurdy, Boston.
MacMichael Improved Viscosimeters. Eimer & Amend, New York.
MacNichols Brick Paints. Pyramid Paint Co., Philadelphia.
Maconite Insulated Wire. Bay State Insulated Wire & Cable Co., Hyde Park, Mass.
MacPherson Frogs, Switches and Crossings. Ramapo Iron Works, Hillburn, N. Y.
Mac Sand Blast Machines; Sand Blast Specialties. Robert MacLees Specialty House, New York.
Mac-Spar Varnish. Michael McNamara Varnish Works, Detroit, Mich.
Mac-White Paints. Michael McNamara Varnish Works, Detroit, Mich.
MacWhyte Wire Rope and Rope Accessories. MacWhyte Co., Kenosha, Wis.
Machine Corol. Corol Co., Chicago.
Maciron Stairs and Steel Products. Mack Iron & Wire Works Co., Sandusky, O.
Mack Trucks; Motor Buses; Interurban Cars. International Motor Co., New York.
Mackay Valves. Ohio Brass Co., Mansfield, O.
Macolite Paint. Michael McNamara Varnish Works, Detroit, Mich.
Macomb Electrical Porcelains. Illinois Electric Porcelain Co., Macomb, Ill.
Macungie Pig Iron. Empire Steel & Iron Co., Catasauqua, Pa.
Madbury Lavatories. Thomas Maddocks Sons Co., Trenton, N. J.
Madden Automatic Water Closets. James B. Clow & Sons, Chicago.
Madden Brand Files and Rasps. R. H. Madden Co., Inc., Middletown, N. Y.
Madden Rail Carrier. Madden Co., Chicago.
Maddock Closet Spuds. Trenton Brass & Machine Co., Trenton, N. J.
Maddox Mitreing Machines. Maddox Machine Co., Jamestown, N. Y.
Maddress Chain Tongs. Union Tool Co., Torrence, Cal.
Made of the Mist Polish. Grady Mfg. Co., Long Island City, N. Y.
Made In U. S. A. Pencils. United States Pencil Company, Philadelphia, Pa.
Madesco Products. Marine Decking & Supply Co., Phila., Pa.
Made Right Brand Oak Flooring. The Mowbray & Robinson Co., Inc., Cincinnati, O.
Made Right Knickerbocker Pullman Driver Motor Luncheon Cases. Knickerbocker Case Co., Chicago.
"Made Right" Sample Cases, Bags, Etc. Knickerbocker Case Co., Chicago.
Madera Water Closets. Thomas Maddocks Sons Co., Trenton, N. J.
Madewell Sheet Metal Products. Madewell Pipe & Culvert Works, Oakland, Cal.
Madiera Grease Cups. Lindholm Metal Stamping Co., Camden, N. J.
Madison Adjustable Boring Cutters. Madison Mfg. Co., Madison, Mich.
Madison Automobiles. Madison Motors Corporation, Anderson, Ind.
Madison Cylinder Grinders. Gisholt Machine Co., Madison, Wis.; Madison Machine Tool Co., Madison, Wis.
Madison-Kipp Lubricators. Madison-Kipp Corporation, Madison, Wis.
Madison Shears and Scissors. Wiebush & Hilger, New York.
Madison Square Automobile Annunciators. C. Cowles & Co., New Haven, Conn.
Madison Tank Heaters. Wisconsin Foundry & Machine Co., Madison, Wis.
Madoe Metal Core Packing. Quaker City Rubber Co., Philadelphia.
Madoe Rod Packing. Quaker City Rubber Co., Philadelphia, Pa.
Mad-O-Metal Auto-Cessories and Specialties. Randolfo Mfg. Co., St. Cloud, Minn.
Madrid Lavatories. Thomas Maddocks Sons Co., Trenton, N. J.
Madsen Automatic Water Heaters. Thermal Appliance Co., New York.
Madside Drinking Fountain. Thomas Maddocks Sons Co., Trenton, N. J.
Madstone Urinals. Thomas Maddock Sons Co., Trenton, N. J.
Maduro Water Closets. Thomas Maddocks Sons Co., Trenton, N. J.
Madval Bidets. Thomas Maddocks Sons Co., Ewing & Perry, Trenton, N. J.
Mag Antimony. Magnolia Metal Co., New York.
Magazine Emery Wheel Dressers. The Desmond-Stephan Mfg. Co., Urbana, O.
Magee Boiler Couplings. Trenton Brass & Machine Co., Trenton, N. J.
Magee Sheet Metal Edging and Wiring Machine. Magee Sheet Metal Mach'y Co., Detroit, Mich.
Magee Steam Heaters. Magee Furnace Co., Boston.
Magic Bar Belt Dressing. W. D. Allen Mfg. Co., Chicago.
Magic Basin Clamps. Glauber Brass Mfg. Co., Cleveland.
Magic Boiler Preservative. Garrett-Callahan Co., Chicago.
Magic Chucks and Grinders. National-Standard Co., Niles, Mich.
Magic Concrete Mixers. A. S. Aloe Co., St. Louis.
Magic Currycombs. F. E. Kohler Co., Canton, Ohio.
Magic Decarbonizer Carbon Removers. Hall-Thompson Co., Hartford, Conn.
Magic Devices for Preheating Fuel. Whittelsey & Co., New York.
Magic Drill and Tapping Chucks—Collets. Modern Tool Co., Erie, Pa.
Magic Drill Chucks, Tapping Chucks. Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
Magic Drill Grinders. National-Standard Co., Niles, Mich.
Magic Fire Hose. United & Globe Rubber Co., Trenton, N. J.
Magic Fire Place Heaters. Bartlett Hayward Co., Baltimore.
Magic Flour Sieves. Wickwire Spencer Steel Corp., Worcester, Mass.
Magic Furniture Polish. Continental Mfg. Co., Indianapolis.
Magic Hose Menders. Hamblin & Russell Mfg. Co., Worcester, Mass.
Magic Hose Pliers. Wolverine Brass Works, Grand Rapids, Mich.
Magic Insecticides. Germco Mfg. Co., St. Louis.
Magic Lite Lighting Fixtures. Edwin F. Guth Co., St. Louis, Mo.
Magic Massage Vibrators. Adam Fisher Mfg. Co., St. Louis.
Magic Oil Stoves. Taylor & Boggis Foundry Co., Cleveland.
Magic Packing and Hose. New York Belting & Packing Co., New York.
Magic Paint and Varnish Removers. Chicago White Lead & Oil Co., Chicago.
Magic Paint and Varnish Remover. Wadsworth-Howland & Co., Boston.
Magic Radiator Compound, Cement, Soap. The Auto Remedy Co., Cincinnati, O.
Magic Razor Strops. L. W. Loveless Mfg. Co., Lafayette, Ind.

Magic Service Pipeless Furnaces. Somerville Stove Wks., Somerville, N. J.
Magic Sink Cleaners. New York Stamping Co., Brooklyn.
Magic Solvent Paint and Varnish Remover. McPhee & McGinnity Co., Denver.
Magic Splicing Compound Tape. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Magic Spray Nozzle. W. D. Allen Mfg. Co., Chicago.
Magic Tire and Axle Shrinkers. Illinois Iron & Bolt Co., Carpenters-
Magic Tone Radio Headsets. C. Brandes, Inc., New York.
Magic Varnish Remover. Wadsworth-Howland & Co., Boston, Mass.
Magic Vises. Prentiss Vise Co., New York.
Magic Wall Paper Size. Cott-a-Lap Co., Somerville, N. J.
Magic Water Power Washer. Blackstone Mfg. Co., Jamestown, N. Y.
Magic Way Gas and Hot Air Furnaces and Valves. Unit System of Heating Mfg. Co., Los Angeles.
Magic White Finish Buffing Composition. Hill & Griffith Co., Cincinnati.
Magill Patn, Paper Fasteners. Dennison Mfg. Co., So. Framingham, Mass.
Magmetco Pigment. Magnolia Metal Co., New York.
Magna Light Metal. Magna Metal Co., Newark, N. J.
Magna Metal. Magna Metal Corp., Newark, N. J.
Magnalite Metal Alloy and Pistons. Walker M. Levett Co., New York.
Magnalux Adjustable and Collapsible Electric Lamp. Magnavox Co., Oakland, Cal.
Magnaray Electric Reflecting Heater. Magnavox Co., Oakland, Cal.
Magnate Rubber Hose. Electric Hose & Rubber Co., Wilmington, Del.
Magnesia Locomotive Lagging. Johns-Manville, Inc., New York.
Magnesito Sanitary Flooring. Malott & Peterson, San Francisco.
Magnefer (The Reliable Refractory). Dolomite Products Co., The, Cleveland, O.
Magnet Blotting Paper. Eaton-Dikeman Co., Lee, Mass.
Magnet Electric Desk Lights. Plume & Atwood Co., Waterbury, Conn.
Magnet Iron and Steel Roofing. Cincinnati Sheet Metal & Roofing Co., Cincinnati.
Magnet Lubricating Oils and Greases. Valvoline Oil Co., New York.
Magnet Rubber Packing. Manhattan Rubber Mfg. Co., Passaic, N. J.
Magnet Splicing Compound Tape. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Magnet Steel for Permanent Magnets. Halcomb Steel Co., Syracuse, N. Y.
Magnet Stoves. Pittston Stove Co., Pittston, Pa.
Magnetic Gas Stoves and Radiators. Southard-Robertson Co., Peekskill, N. Y.
Magnetic Stoves and Ranges. Southard-Robertson Co., New York.
Magnetic Wigwag Flagman Signals. Magnetic Signal Co., LosAngeles.
Magneta Clocks. Magneta Co. (Inc.), New York.
Magneto Packing. Randolph Brandt, New York.
Magnite Cold Water Paints. J. A. & W. Bird Co., Boston, Mass. Flintkote Co., Boston, Mass.
Magno Composition Flooring and Magnesite Stucco. Artificial Bldg. Products Co., Inc., Detroit.
Magno Ignition Metal. Electrical Alloy Co., Morristown, N. J.
Magno Storage Batteries. Magno Storage Battery Corp., New York.
Magnola Talking Machines. M. Schultz Co., Chicago.
Magnolia Anti-Friction Metals and Solder. Magnolia Metal Co., New York.
Magnolia Cement. Southern Cement Co., Birmingham, Ala.
Magnolia Garden Cultivators. Ohio Cultivator Co., Bellevue, O.
Magnolia Packings. Montgomery Bros., Inc., Philadelphia, Pa. **W. D** Allen Mfg. Co., Chicago.
Magnolia Pantry Sinks. Sanitas Mfg. Co., Boston.
Magnolia Rubber Sheet Packing and Gaskets. Jenkins Bros., New York.
Magnolia Twine. Cliver-Wright-Rainey Co., Cincinnati, O.
Magnavox Loud Speakers. Magnavox Co., Oakland, Cal.
Magnum Heating Stove. B. C. Bibb Stove Co., Baltimore.
Magnus Conveyor Belting, Packing, Rubber Mats and Hose. Hewitt Rubber Co., Buffalo.
Magnus Radio Apparatus and Electrical Fittings. Magnus Electric Co., Inc., New York.
Magnus Special Journal Bearings. Magnus Co., Inc., Chicago.
Mag-Oil Magnetos. J. J. Hill, Jr., Rosemont, Pa.
Magor's Battleship Type Logging Cars. Magor Car Co., New York.
Maguire Rubber Belting, Hose, Packing, Etc. Maguire Rubber Co., New York.
Magyar Spade and Shovel. Conneaut Shovel Co., Conneaut, O.
Magyar Unions Mining Machine Shovels. Conneaut Shovel Co., Conneaut, O.
Maheco Hot Water Heat Generators. Makin Heating Co., Philadelphia.
Mahers' Paints and Varnishes. Dan P. Maher Co., San Francisco.
Mah-Jongg Chinese Game. Mah-Jongg Sales Co. of Amer., San Francisco.
Mahlstedt Multicolor Press. Lisenby Mfg. Co., Fresno, Cal.
Mahogany Glaze Color. The Lowe Brothers Co., Dayton, O.
Mahogany Hose. Republic Rubber Co., Youngstown, O.
Mahoney Drinking Fountains. Myers & Mahoney Plumbing Co., Portland, Me.
Mahoney Grate Bars. Godfrey, Keeler Co., New York.
Mahoning Expanded Metal Lath. Youngstown Pressed Steel Co., Warren, O.
Mahoning Hot Air Furnaces. Mahoning Foundry Co., Youngstown, O
Mahoning Rubber Hose. Republic Rubber Co., Youngstown, O.
Mahony Grate Bars, Shaking Grates. Godfrey-Keeler Co., New York.
Maiden Los Angeles Mattresses. Murdock & Wilcek, Los Angeles.
Maid-En-White Bath Room Fittings. The Aubogre Co., Oakville, Conn.
Maier's Lacquer. John G. Maier's Sons, Baltimore.
Maihak Engine Indicators. Bacharach Industrial Instrument Co., Pittsburgh.
Mailometer Combination Sealing, Stamping and Counting Machine. Mailometer Co., Detroit, Mich.
Mail Padlocks. E. T. Fraim Lock Co., Lancaster, Pa.
Mailo Mail Boxes. Penn-Greg Mfg. Co., St. Paul.
Mail-O-Meter Check Writing Machines. Mailometer Co., Detroit.
Main Light Storage Battery Charging Sets and Elec. Light Plants. Main Elec. Co., Cleveland.
Main Line Safety Switch Stands. Bethlehem Steel Co., Bethlehem, Pa.
Mainsail Cordage and Twines. Bibb Mfg. Co., Macon, Ga.
Mainspring Wheat Flour. Mennel Milling Co., Toledo.
Maintenance Roofing. The Ruberoid Company, New York, Chicago and Boston.
Majer Garden Hose. Quaker City Rubber Co., Philadelphia, Pa.
Majestic Babbitt Metal Roofing. J. D. Street & Co., St. Louis, Mo.
Majestic Belting and Hose. Jos. W. Stokes Rubber Co., Trenton, N. J.
Majestic Canvas Wheels. A. P. Munning & Co., New York.
Majestic Clothes Washing Machines. Richmond Cedar Works, Richmond, Va.
Majestic Closets and Lavatories. Crane Co., Chicago.
Majestic Coal Chutes. Edwin A. Jackson & Bro., Inc., New York.
Majestic Coal Chutes, Cistern Covers, Ash Dumps, Ash-pit Doors & Warm Air Furnaces. Majestic Co., Huntington, Ind.
Majestic Electric Heaters. Majestic Electric Development Co., San Francisco, Calif.
Majestic Flour Sieves. Parker Wire Goods Co., Worcester, Mass.
Majestic Furnaces, Package Receivers and Chutes. Majestic Co., Huntington, Ind.
Majestic Grease Cups. The Lunkenheimer Co., Cincinnati, O.
Majestic Hot Air Furnaces. Majestic Furnace & Mfg. Co., Inc., Seattle, Wash.
Majestic Mantles. Welsbach Light Co., Philadelphia, Pa.
Majestic Motor Cars. Majestic Motor Company, Inc., New York.
Majestic Oil and Grease Cup Lubricators. Detroit Shipbuilding Co., Detroit, Mich.
Majestic Roofing. Warren Chemical Div., The Barrett Company, New York.
Majestic Separators and Crushers. American Concentrator Co., Joplin, Mo.
Majestic Sunshine Steam Heaters. Reading Scale & Machine Co. Reading, Pa.
Majestic Underground Garbage Receiver. Majestic Co., Huntington, Ind.
Majesticoat Varnishes. Palmer Price Co., Newark, N. J.
Majic Basin Clamps. Glauber Brass Mfg. Co., Cleveland.
Major Barrel Spray Pump and Whitewashing Outfit. Deming Co., Salem, O.
Major Couplers. Buckeye Steel Castings Co., Columbus, O.
Major Hog Rings. Heesen Bros. Co., Tecumseh, Mich.; Wm. E. Pratt Mfg. Co., Chicago.
Major Jones Spark Plugs. Major E. Jones Motor Co., Detroit.
Major Lubricators. Lunkenheimer Co., Cincinnati, O.
Mak-A-Tractors. E. G. Straude Mfg. Co., St. Paul, Minn.
Make Your Room Breathe Ventilators. Automatic Ventilator Co., Baltimore, Md.
Makestock Waymore Kerosene Tank Heaters. Midland Supply Co., Davenport, Ia.
Mak-ur-own Index Tabs. Rand Co., The, N. Tonawanda, N. Y.
Malay Sheet Packing. W. H. Salisbury & Co., Chicago.
Malcum Wireless Telegraph Outfit. Haller Cunningham Electric, Co., San Francisco, Cal.
Malin's Carpet Beaters. Malin & Co., Cleveland.
Mallard Ship Water Closets. Thos. Laughlin Co., Portland, Me.
Mallett Locomotive Packing. Johns-Manville, Incorporated, New York.
Mallory High Lead Blocks. F. B. Mallory Co., Portland, Ore.
Mallory Shutter Workers. Mallory Mfg. Co., Flemington, N. J.
Maloney Bolted Copper-Steel Tanks. Maloney Tank Mfg. Co., Tulsa, Okla.
Maloney Satisfaction Transformers. Maloney Elec Co., St. Louis, Mo.
Malsta Brewers' Hose. Quaker City Rubber Co., Philadelphia.
Malt Wood Shovels. John Summer Faucet Co., Newark, N. J.
Malta Hand Carts, Potato Planters. Brown-Manly Plow Co., Malta, O.
Maltby Handcuffs and Twisters. Mattatuck Mfg. Co., Waterbury, Conn.
Maltese Cross Belting, Hose. Gutta Percha & Rub. Mfg. Co.,NewYork.
Maltese Cross Cedar. Seattle Cedar Lumber Mfg. Co., Seattle, Wash.
Maltese Cross Gauge Glasses. Bache, Semon & Co., New York.
Maltha Paints. Kay & Ess Co., Dayton, O.
Maluminum Aluminum Alloy. Harry D. Kramm, Indianapolis, Ind.
Mammoth Alarm Clocks. Parker Clock Co., Meriden, Conn.
Mammoth Blue Print Files. Yawman & Erbe Mfg. Co., Rochester, N. Y.
Mammoth Corn and Cob Mills. Wolf & Co., Chambersburg, Pa.
Mammoth Cotton Seed Hullers. Diamond Huller Co., Winona, Minn.
Mammoth Dry Earth Closets. P. H. MaGirl Foundry & Furnace Works, Bloomington, Ill.
Mammoth Incubators. J. W. Miller Co., Rockford, Ill.
Mammoth Vertical Files. Yawman & Erbe Mnfg. Co., Rochester, N. Y.
Mamolith Paints. Mamolith Carbon Paint Co., Cincinnati, O.
Manahan's Moth Bags. Manahan Moth Paper Co., New York.
Manard Frogs, Switches and Crossings. Bethlehem Steel Co., So. Bethlehem, Pa.
Manatee Waterproof Leather Belting. J. Bachmann & Co., New York.
Mancha's Electric Mule Mine Locomotive. Mancha Storage Battery Locomotive Co., St. Louis, Mo.
Manchester Batteries; Positive Storage Battery Plates. Electric Storage Battery Co., Philadelphia, Pa.
Manchester Battery Motors. Davis Kendrik Co., Lebanon, N. H.
Manchester Pantry Sinks. Sanitas Mfg. Co., Boston.
Manco Asphalt. Philip Carey Mfg. Co., Cincinnati.
Manco Tools and Machines. Mann Corporation, Kankakee, Ill.
Mandarine Belting. Combination Rubber Mfg. Co., Bloomfield, N. J.
Man-Day Parts. Man Day Radio Corp., New York.
Mandelette Cameras. Chicago Ferrotype Co., Chicago.
Mandt Automatic Dump Bodies and Wagon Loaders. Mandt Co., Keokuk, Ia.
Mandt Farm Wagons. Mandt Wagon Co., Stoughton, Wis.
Mandt Farm Wagons & Sleds. Moline Plow Co., Moline, Ill.
Manehardt Strawberry Hullers. Cassady Fairbank Mfg. Co., Chicago.
Manest Hot Air Clothes Dryers, Hot Air Furnaces. John E. Mannen Co., Cleveland.
Maney Self-loading Scrapers. Baker Mfg. Co., The, Springfield, Ill.
Manganesite Pipe Joint Compound. Williams & Wells Co., Imp., New York.
Manganite (Steel Alloy) Rolling Mill Rolls. Mackintosh-Hemphill & Co., Pittsburgh, Pa.
Manganoid Iron Alloy, Jeffrey Mfg. Co., Columbus, O.
Manhattan Alum Size. Manhattan Color Works, New York.
Manhattan Compromise Rail Joints. The Elyria Iron & Steel Co., Cleveland, O.
Manhattan Dumb Waiters. Storm Mfg. Co., Newark, N. J.
Manhattan Gas Stoves. Manhattan Gas Heating Co., New York.
Manhattan Life Saving Nets. Combination Ladder Co., Providence, R. I.
Manhattan Loud Speakers and Variometers. Manhattan Electrical Supply Co., San Francisco, Cal.
Manhattan Leather Belting. Bonner & Barnewall, Inc., New York.
Manhattan Medical Batteries. Manhattan Electric Supply Co., New York.
Manhattan Piston Packing. Greene, Tweed & Co., New York.
Manhattan Rail Joints. Elyria Iron & Steel Co., Cleveland; Industrial Supply & Equipment Co., Philadelphia, Pa.
Manhattan Range Boilers. Hayes Mfg. Co., Patterson, N. J.
Manhattan Steam and Hot Water Heaters. Mackay Mfg. Co., New York.
Manhattan Step Ladders. Reiley Bros. Ladder Co., New York.
Manhattan Street Lighting Standards and Posts. Caldwell & Drake Iron Wks., Columbus, Ind.

Manhattan Thermometers. C. J. Tagliabue Mfg. Co., Brooklyn, N. Y.
Manhattan Valves. Harlem Mfg. Co., New York.
Manhattan Velocity Leather Belting. Geo. Rahmann & Co., New York.
Manhattan Water Filters. Loomis-Manning Filter Distributing Co., Philadelphia.
Manhattan II Street Lighting Standards and Posts. Caldwell & Drake Iron Wks., Columbus, Ind.
Manierre Box Car Loader. Manierre Engr. & Mchy. Co., Milwaukee, Wis.; Link-Belt Co., Chicago, Ill.
Manila Packing. Geo. W. Knowlton Rubber Co., Boston.
Manila Rubber Hose. Electric Hose & Rubber Co., Wilmington, Del.
Maniplex Sewing Machines. L. F. Fales, Walpole, Mass.
Manley Auto Press Benches; Cranes; Engine Stand. United Engine & Mfg. Co., Hanover, Pa.
Manley Gas Engines. Manley Mfg. Co., York, Pa.
Manley Hilite Portable Cranes. Manley Mfg. Co., York, Pa.
Manley Presses, Cranes, Engines, Engine Stands, Benches, Piston Vises, Underworkers, Auto Trestles, Etc. The Manley Mfg. Co., York, Pa.
Manley Presses and Cranes. United Engine & Mfg. Co., Hanover, Pa.
Manly Motor Trucks. Manly Motor Corp., Chicago.
Mann Precision Piston Pins. Mann Mfg. Co., San Francisco.
Mann Root Cutters. F. W. Mann Co., Milford, Mass.
Mann-Stevenson Can Testing Machines. Stevenson & Co., Baltimore.
Mann's Axes. Mann Edge Tool Co., Lewiston, Pa.
Mann's Bone Mills. F. W. Mann Co., Milford, Mass.
Mann's Improved Bone Mills. E. C. Stearns & Co., Syracuse, N. Y.
Mann's Metco Axes. Mann Edge Tool Co., Lewiston, Pa.
Mannie Pig Iron. Bon Air Coal & Iron Co., Nashville, Tenn.
Manning Rail Benders. Verona Tool Works, Verona, Pa.
Manning Speed-grits Abrasive Cloth and Paper. Manning Abrasive Co., Inc., Troy, N. Y.
Manning Tubular Boilers. Portland Cooperage Co., Portland, Me.
Manning Vertical Boilers. Bigelow Co., New Haven, Conn.
Manross Hair Springs. F. N. Manross & Sons, Forrestville, Conn.
Mansbridge Telephone Condensers. Electric Specialty Co., Cresco, Ia.
Mansfield Babbitt Metal. Pittsburgh Brass Mfg. Co., Pittsburgh.
Mansfield Ball Cocks. Acheson Mfg. Co., Rankin, Pa.
Mansfield Grate Bars. Wm. E. Rider & Co., Mansfield, Mass.
Mansfield Lock Washer. Mansfield Lock Washer Co., Mansfield, O.
Mansfield Mine Trolley Clamps. The Ohio Brass Co., Mansfield, O.
Mansfield Railroad Water Columns or Stations; Standpipes. U. S. Wind Engine & Pump Co., Batavia, Ill.
Mansfield Rubber Tires, Inner Automobile Tubes. Mansfield Tire & Rubber Co., Mansfield, O.
Mansfield Trolley Clamps. The Ohio Brass Co., Mansfield, O.
Manson Gasoline Arc Lamps. American Gas Machine Co., Albert Lea, Minn.
Manson Insulating and Friction Tape. Okonite Co., Passaic, N. J.
Mantaco Unions. (Brass to iron seat). McMann & Taylor Co., New York.
Mantha Crankshaft Holder. W. L. Mantha Co., Bayport, N. Y.
Manticoka Rubber Hose. Electric Hose & Rubber Co., Wilmington, Del.
Mantlex Gas Heaters. Mork Walters, Berkeley, Pa.
Manufacturers Sprinkler Heads. Automatic Sprinkler Co. of America, New York.
Manufacturing Automatic Chucking Machines. Potter & Johnston Machine Co., Pawtucket, R. I.
Manumotor Manual Rowboat Motors. Manumotors Co., Manitowoc, Wis.
Manville Bolt, Screw and Rivet Machines. The E. J. Manville, Machine Co., Waterbury, Conn.
Manzel Oil Pumps. Paul B. Huyette Co., Philadelphia.
Manzel Pump Lubricators. Manzel Bros., Buffalo, N. Y.
Mapaz Zinc in Oil Paint. Master Painters Sup. Co., New York.
Mapco Disinfectants, Sprays, Chemicals and Soaps. Michel & Pelton Co., Inc., San Francisco.
Mapico Oxides (Oxides of Iron). Binney & Smith Co., New York.
Maple Leaf Brand Paper. Miller-Bryant-Pierce Co., Aurora, Ill.
Marathon Belting. B. F. Goodrich Co., Akron, O.
Marathon Brand Oils. Riverside Oil Co., Chicago.
Marathon Grinding Mills. Marathon Mill & Machinery Works, Champaign, Ill.
Marathon Leather Belting. Meier-Andres Belting Co., Newark, N. J.; New York Leather Belting Co., New York.
Marathon Lubricating Oils and Greases. J. H. Weinberg Co., New York.
Marathon Maple Flooring. Ward Brothers, Big Rapids, Mich.
Marathon Rubber Tires. Marathon Tire & Rubber Co., Cuyahoga Falls, O.
Marathon Trolley Ears. The Ohio Brass Co., Mansfield, O.
Marbelite Cement Electroler and Lamp Posts. Marbelite Corp. of Am., Los Angeles.
Marble Gun Rod Tools, Hunters' Axes, Pocket Screw Drivers, Trout Nippers. Marble Arms & Mfg. Co., Gladstone, Mich.
Marble-Card Motors. Marble-Card Electric Co., Gladstone, Mich.
Marble Safety Axes and Knives. Marble Arms & Mfg. Co., Gladstone, Mich.
Marbleite Varnish and Enamels. Phoenix Paint & Varnish Co., Philadelphia, Pa.
Marbleloid Cork Tile. Marbleoid Co., New York.
Marblica Cleaning Powder. India Alkali Work, Boston, Mass.
Mar-Blo-Blox Flooring. Schack Artificial Flower Co., Chicago.
Marbloid Wall Finish. Yarnall Paint Co., Philadelphia.
Marbo Reflectors. Phoenix Glass Co., Pittsburgh, Pa.
Marbon White Paint Pigments, Mineral Ref. & Chemical Corp. St Louis, Mo.
Marboro Lavatories and Fittings. Sanitas Co., Boston.
Marcell Gas Radiators & Heaters. Pacific Gas Heating Co., San Francisco.
Marcella Hair Waver. Hartvig-McLaurin Mfg. Co., Oakland, Cal.
Marchand Electrical Fittings. Steel City Electric Co., Pittsburgh, Pa.
Marchant Calculator. Marchant Calculating Machine Co., Oakland, Cal.
March Packings, Valves, Hose, Mechanical Rubber Goods. The Mechanical Rubber Co., Cleveland, O.
Marco Junior Automatic Air Valves. Jas. P. Marsh & Co., Chicago
Marco Rubber Water Bottles. Star Rubber Co., Akron, O.
Marco-Vanadium Chisel Blanks. Geo. F. Merchant Co., Chicago.
Marconi Codes. M. R. Bensinger Code Co., Inc., New York.
Marcus Patent Picking Table Screen. Roberts & Schaefer Co., Chicago.
Marcy Mills and Pulverizing Machinery. Mine & Smelter Supply Co., New York.
Marcy Screw Drivers. Geo. H. Wilkins Co., Chicago.
Mareen Band Re-Saw. Mareen-Johnson Machine Co., Minneapolis, Minn.
Marguerite Hydraulic Packing. Cancos Mfg. Co., Philadelphia, Pa.
Marietta Farm Wagons. Ohio Valley Wagon Co., Marietta, O.
Marigold Cottonseed Oil. Procter & Gamble Co., Cincinnati, O.
Marine Boiler Compound. North American Chemical & Engineering Co., New York.
Marine Caulking Cotton. Stratford Oakum Co., Geo., Jersey City, N. J.
Marine Grease Cups. Lunkenheimer Co., Cincinnati, O.
Marine Leather Belting. McCauley Belting Co., Chicago.
Marine Motor Gas and Gasoline Engine. Wright Machine Co., Owensboro, Ky.
Marine Sectional Boiler Covering. The Carey Co., Cleveland, O.
Marine Valves. Jenkins Bros., New York.
Marion Boxes. Indiana Fibre Products Co., Marion, Ind.
Marion Brick Cutting Machinery. H. Martin Brick Mach. Mfg. Co., Lancaster, Pa.
Marion Duplex Soot Blowers; Planet Soot Blowers; Master Grates; Rotary Blowers, Hand Fired Stokers. Marion Machine, Fdry. & Supply Co., Marion, Ind.
Marion Flue Cleaners, Brick Cutting Machines and Shaking Grates. Marion Machine, Foundry & Supply Co., Marion, Ind.
Marion Form Tightener. The Marion Malleable Iron Wks., Marion, Ind.
Marion Harland Coffee Percolators. Silver & Co., Brooklyn.
Marion Heaters. Marion Incline Filter & Heater Co., Marion, O.
Marion Pipe Shoes. The Marion Malleable Iron Works, Marion, Ind.
Marion Steam Shovels and Dredging Implements. Marion Steam Shovel Co., Marion, O.
Maris Trolleys. Maris Bros., Philadelphia, Pa.
Maritimo Acid Tank Lining and Waterproofing Compounds. Universal Coatings Corp., New York.
Maritimo Coating. Maritimo Coating Corp., New York.
Mar-Jo-Rey Toilet Soap. Wags Chemical Co., Knoxville, Tenn.
Mark Cold Drawn Steel Unions, Pipe Cutters, Vises, Etc. Mark Manufacturing Co., Evanston, Ill.
Mark Twain Tire. Hannibal Rubber Co., Hannibal, Mo.
Mark Unions. Mark Mfg. Co., Evanston, Ill.
Marks Magnetic Valve for Gas Control on Heaters and Furnaces. California Well Tool & Machine Works, Los Angeles.
Markdown Clothes Lines. Estes Mills, Falls River, Mass.
Marko Storage Batteries. Paul M. Marko & Co., Inc., Brooklyn, N. Y.
Markoe Envelope Sealing Machines. American Multigraph Sales Co., Cleveland.
Markoff Scrapers. U. S. Bottlers' Machinery Co., Chicago.
Markwell Stamps, Stencils, Steel Dies, Etc. Moss & Co., Inc., Henry, New York.
Markwell Typewriter Ribbons. Frank Bayer Co., New York.
Marley Rubber Roofing. C. S. Garrett & Son Corp., Philadelphia, Pa.
Marlin Cable Hangers. Conduit Electrical Mfg. Co., Boston, Mass.
Marlin Firearms. Marlin Firearms Corp., New Haven, Conn.
Marlin Fire Hose. B. F. Goodrich Co., Akron, O.
Marlo Electric Iron Bells. P. R. Mfg. Co., Detroit, Mich.
Marloh Pipe Boiler. Markey Machinery Co., Seattle, Wash.
Marlo Iron Box Bells and Buzzers. Stanley & Patterson, Inc., New York.
Marlox Roofing Cement. National Builders Co., Cleveland, O.
Marmolite Roofing Tile. Powell M. W. Co., Chicago.
Marmon Automobiles. Nordyke & Marmon Co., Indianapolis, Ind.
Marmor Lavatories. Crane Co., Chicago.
Marnile Cutting Compounds. Geo. A. Haws, New York.
Marnolac Varnish Finish. Fort Wayne Drug Co., Ft. Wayne, Ind.
Mar-Not Varnish. The Sherwin Williams Co., Cleveland, O.
Maroa Spring Tooth Harrows. Maroa Mfg. Co., Maroa, Ill.
Marolite Electric Lighting Systems. Central Electric Co., Chicago.
Marquette Blast Furnaces. Cleveland-Cliffs Iron Co., Cleveland.
Marquette Cement. Marquette Cement Mfg. Co., Chicago.
Marquette Enamel Paper. West Virginia Pulp & Paper Co., New York.
Marquette Lawn Sprinklers. W. D. Allen Mfg. Co., Chicago.
Marquette Luggage Carriers. Marquette Mfg. Co., Inc., St. Paul.
Marquette Mining Machinery. Lake Shore Eng. Wks., Marquette, Mich.
Marquette Steam Injectors. Marquette Tool & Mfg. Co., Chicago.
Mar Sla Case Hardened Stone, Table Tops. Structural Stone Co., Hubbard, O.
Mars Auto and Machine Oils. Star Oil Co, Chicago.
Mars Lubricators. Lunkenheimer Co., Cincinnati, O.
Mars Padlock Locks. U. S. Lock Hdwe. Co., Columbia, Pa.
Mars Sight Feed Lubricators Lunkenheimer Co., Cincinnati, Ohio.
Marsaut Miners' Safety Lamps. American Safety Lamp & Mine Supply Co., Scranton, Pa.
Marsh Blast Traps and Water Seal Float Traps. Jas. P. Marsh & Co., Chicago.
Marsh-Capron Concrete Mixer. Marsh-Capron Mfg. Co., Chicago.
Marsh Leather Packings. Chas W. Marsh Co., Muskegon, Mich.
Marsh Paul Air Line Valves and Radiator Vents. Jas P. Marsh & Co., Chicago.
Marsh Paul Vacuum Heating Valves. Jas. P. Marsh & Co., Chicago.
Marsh Sanitary Grease Interceptor. S. L. Marsh, Los Angeles, Cal.
Marsh Stencil Machines. Marsh Stencil Machine Co., Belleville, Ill.
Marsh Valves and Heating Systems. Jas. P. Marsh & Co., Chicago.
Marshall Automobile Springs. National Spring & Wire Co., Albion, Mich.
Marshall Bath Tubs. Sanitas Mfg. Co., Boston.
Marshall Blast Furnaces. F. W. Marshall & Co., Philadelphia.
Marshall Box Nailing Machines. Northern Machine & Mfg. Co., Seattle, Wash.
Marshall Fire Hose. Voorhees Rubber Mfg. Co., Jersey City, N. J.
Marshall Furniture Polish. Marshall Oil Co. of Ia., Marshalltown, Ia.
Marshall Pig Iron. Juniata Furnace & Foundry Co., Philadelphia, Pa.
Marshall's Linemen's Shields and Shoes. Lineman Protector Co., Detroit, Mich.
Marshalltown Plate Bending Rolls; Pressure Gauges; Rotary Bevel Shears; Splitting Shears; Throatless Shears. Marshalltown Mfg. Co., Marshalltown, Ia.
Marshalltown Schaeffer Flue Welders. Marshalltown Mfg. Co., Marshalltown, Ia.
Marshalltown Shears and Gauges. Marshalltown Mfg. Co., Marshalltown, Iowa.
Marshalltown Trowels. Marshalltown Trowel Co., Marshalltown, Ia.
Marshfield Soapstone Laundry Tubs. Sanitas Mfg. Co., Boston.
Marston's Saws. J. M. Marston & Co., Boston, Mass.
Mar-Stun Dry Batteries. Bright Star Battery Co. New York.
Martcros Clothes Bars. Martcross Co., Chicago.
Martell Packing for Superheated Steam. The Martell Packing Co., Elyria, O.
Martex Turkish Towels. Columbia Towel Mills, Philadelphia.
Martin Automobile Accessories. Martin Auto Specialty Co., Lancaster, Ohio.
Martel Reamers. Taft-Peirce Mfg. Co., Woonsocket, R. I.
Martin Anti-Friction Rocking Grate. Martin Grate Co., Chicago.
Martin Auto Hoists. A. G. Leake Erecting Co., Inc., Bridgeport, Conn.

Martin Automobile Truck Trailers. Martin-Parry Corp., York, Pa.
Martin Bed and Furniture Casters. Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
Martin Casters. Turker & Dorsey Mfg. Co., Indianapolis, Ind.
Martin Circular Slate Curtain Carrying Devices. J. D. Martin Scenic Co., Los Angeles, Cal.
Martin Dawson Box Trucks. The Lansing Company, Lansing, Mich.
Martin Ditchers and Graders. Owensboro Ditcher and Grader Co., Owensboro, Ky.
Martin Farm Ditching and Terracing Machines. Owensboro Ditcher and Grader Co., Owensboro, Ky.
Martin Fishing Reels. Martin Automatic Fishing Reel Co., Mohawk, N. Y.
Martin Grate Bars. Martin Grate Co., Chicago.
Martin Lumberman's Hooks. Lufkin Foundry & Machine Co., Lufkin, Texas.
Martin Marking Machines. Martin Machine Co., Inc., Turner Falls, Mass.
Martin Portable Vise and Pipe Bender. H. P. Martin & Sons, Owensboro, Ky.
Martin Road Machines and Graders. International Ditching & Road Mach'y Co., Owensboro, Ky.
Martin Rocking Fifth Wheel Semi-Trailer. Martin Rocking Fifth Wheel Co., Springfield, Mass.
Martin Rotary Converters. Northwestern Elec. Co., Chicago.
Martin Separators. Elm City Engineering Co., New Haven, Conn.
Martin Shock Absorbers. Halliwell Bros., Los Angeles, Cal.
Martin Unit Hot Air and Furnaces. Phillips Heating Ventilating & Mfg. Co., Los Angeles, Cal.
Martin Valve Controllers. Beaumont Iron Wks. Co., Beaumont, Tex.
Martin's Door Hangers. S. B. Martin, Dalton, Ohio.
Martin's Fishing Reels. Martin Automatic Fish Reel Co., Ilion, N. Y.
Martin's Flexible Joints. Barco Mfg. Co., Chicago.
Martin's Ferry Pig Iron. Wheeling Steel & Iron Co., Wheeling, W. Va.
Martin's Liquid Glue. International Glue Co., East Boston, Mass.
Marvel Adjustable Shower Drainage Traps. Detroit Marvel Brass Mfg. Co., Detroit, Mich.
Marvel Blowers, Electric Exhausters and Ventilating Fans. Electric Blower Co., Boston.
Marvel Boiler Compounds. Kuhne-Libby Co., New York.
Marvel Carburetors, Gasoline Strainers. Marvel Carburetor Co., Flint, Mich.
Marvel Fast Warp Knitting Machines. National Knitting Machine Co., Inc., St. Johnsville, N. Y.
Marvel Floor Surfacer. M. L. Schlueter, Chicago.
Marvel Gas Heaters and Radiators. Pacific Heating Co., San Francisco.
Marvel Hack Saw Machines, Portable Grinders, Portable Punches, Rod Cutters. Armstrong-Blum Mfg. Co., Chicago.
Marvel Mechanical Oil Pumps. Lunkenheimer Co., Cincinnati, O.
Marvel Oil Pumps. Lunkenheimer Co., Cincinnati, Ohio.
Marvel Oil Self-Measuring Pumps. Marvel Equipments Co., Cleveland, Ohio.
Marvel Plumbing Connections. Detroit Marvel Brass Mfg. Co., Detroit. Mich.
Marvel Receivers and Amplifiers. Freed-Eisemann Radio Corp., New York.
Marvel Saws, Cutters, Hand Power Shears, Punches and Drill Press Vises. Armstrong-Blum Mfg. Co., Chicago.
Marvel Scratch Pads. L. F. Grammes & Sons, Inc., Allentown, Pa.
Marvel Thermostats. American Thermostat Co., Newark, N. J.
Marvel Vulcanizers, Valve Grinders, Socket Wrenches, Chain Fastener and Tire Tool. The Marvel Accessories Mfg. Co., Cleveland, O.
Marvel Water Heaters. Mustee Water Heater Co., Cleveland, O.
Marvel Water Supply System. Deming Co., Salem, Ohio.
Marvelite Luminous Compounds. Schlessinger Radium Co., Denver, Colo.
Marvelo Air Drill Hose, Braided Hose, Chemical Engine Hose, Garden Hose. Electric Hose & Rubber Co., Wilmington, Del.
Marvelous Cement. Pittsburgh Crushed Steel Co., Pittsburgh, Pa.
Marvin Spec. Machy and Machinists Tools. W. B. Marvin Mfg. Co., Urbana, Ohio.
Marvoline Cleaning Compound. Robert Mitchell Furn. Co., Cincinnati, O.
Marwin Papers for Drawing, Tracing, Architects, Engineers, Technical, Photographic, Writing, Etc. Martin Winter, New York.
Maryland Garden Spades. Indiana Shovel Co., New Castle, Ind.
Maryland Gas Meters. Maryland Meter Works, Baltimore, Md.
Maryland Metals. Maryland Brass and Metal Works, Baltimore, Md.
Maryland Portable Metal Buildings. Maryland Metal Bldg. Co., Baltimore, Md.
Masco Automobile Trunks, Trunk Racks, Storage Batteries. Milwaukee Auto Specialty Co., Milwaukee, Wis.
Masco Caulking, Mops, Waste, Wicking and Wicks. Massasoit Mfg. Co., Fall River, Mass.
Masco High Pressure Packing. Plant Rubber & Asbestos Works, San Francisco.
Masco Wipers, Cloths and Mops. Massasoit Mfg. Co., Fall River, Mass.
Mascot Corn Huskers. L. F. Clark Mfg. Co., Chicago.
Mascot Dry Batteries. J. H. Bunnell & Co., New York.
Mascot Enameling Ovens. American Enamel Co., Providence, R. I.
Mascot Grease Cups. Wm. Powell Co., Cincinnati, Ohio.
Mascot Lawn Sprinklers. W. D. Allen Mfg. Co., Chicago.
Mascot Spelter. American Zinc, Lead & Smelting Co., New York.
Mascott Hose and Packing. Consolidated Rubber Co., Trenton, N. J.
Masda Dry Batteries. Fred D. Harper, Everett, Mass.
Mas-Oleum (Plastic Linoleum) Mastic Flooring. E. N. Biegler Mfg. Co., Chicago.
Mason Auto Tires. Mason Tire & Rubber Co., Kent. O.
Mason Automobile Tire Trunks. Milwaukee Auto Specialty Co., Milwaukee, Wis.
Mason Car Steps and Treads. American Mason Safety Tread Co., Lowell, Mass.
Mason Celery Hillers, Plow Clevises, Wrenches. F. C. Mason & Co., St. Johns, Mich.
Mason Champion Wire Fences and Gates. Mason Fence Co., Leesburg, Ohio.
Mason Fruit Jars. Ball Bros. Co., Muncie, Ind.
Mason Governors, Regulators, Controllers, Valves. Mason Regulator Co., Boston, Mass.
Mason Insulating Tape. Okonite Co., New York.
Mason-Jager Air Compressors, Oil Engines. Chas. J. Jager Co., Boston.
Mason Rubber Tires. Mason Tire & Rubber Co., Kent, Ohio.
Mason Safety Stair Treads. American Mason Safety Tread Co., Lowell, Mass.
Mason Steam Specialties. Mason Regulator Co., Boston.
Mason Thermo Auto Heater. The Cox Brass Mfg. Co., Albany, N. Y.
Mason Washer Making Press. Southwark Foundry & Machine Co., Philadelphia, Pa.
Masons Hygrometers. Philadelphia Thermometer Co., Philadelphia.
Massachusetts Chemical Co.'s Products. Walpole Tire & Rubber Co., Walpole, Mass.
Massachusetts Magnet Wire. Mass. Electric Mfg. Co., Lynn, Mass.
Massachusetts Standard Fusible Plugs. Boston Brass Co., Waltham, Mass.
Massasoit Lace Leather. Holyoke Belting Co., Holyoke, Mass.
Massasoit Rubber Hose. National India Rubber Co., Bristol, R. I.
Massco Clay Goods and Pulverizers. Mine & Smelter Supply Co., New York.
Masseth's Oil Well Packers. Masseth Packer & Machine Co., Butler, Pa.
Massey Battery Wells. C. F. Massey Co., Chicago.
Massillon Open Heaters. The Griscom-Russell Co., New York.
Massillon Feed Water Heaters and Purifiers, Steam Heaters. Griscom-Russell Co., New York.
Massillon Hammers, Presses and Punches. Masillon Foundry & Mch. Co., Massillon, O.
Massillon Traction Engines. Russell & Co., Massillon, Ohio.
Mast Foos Pumps. Mast Foos & Co., Springfield, O.
Master Air Compressors, Automatic Pumps, Spark Plugs. Hartford Machine Screw Co., Hartford, Conn.
Master Automatic Trucks, etc. Lewis-Shepard Co., Boston.
Master Babbitt Metal. Syracuse Smelting Works, Brooklyn, N. Y.
Master Batteries. Mack Battery Co., Los Angeles, Cal.
Master Bearings and Bushings. Standard Motor Products Co., San Francisco.
Master Bit Braces. Millers Falls Co., Millers Falls, Mass.
Master Builders Concrete for Cement Floors. Master Builders Co., Cleveland, O.
Master Builders Waterproofing Materials. Master Builders Co., Cleveland, Ohio.
Master Carburetors. Master Carburetor Corporation, Detroit, Mich.
Master Check Valves. James E. Hoeken, San Francisco, Cal.
Master Dual Churns. Creamery Package Mfg. Co., Chicago.
Master Electric and Oil Burning Incubators and Brooders. Master Incubator Co., Portland, Ore.
Master Elevating Trucks. Lewis-Shepard Co., Boston, Mass.
Master Engine Primers. Master Primer Co., Detroit, Mich.
Master Folding Rules. Master Rule Mfg. Co., Inc., New York.
Master Ford Brakes and Auto Bumpers. Kingman Mfg. Co., Los Angeles, Cal.
Master Grip Hack Saw Frames. Henry G. Thompson & Sons Co., Chicago.
Master Line Alcohol Torches. Turner Brass Works, Sycamore, Ill.
Master-Made Equipment. Albert Pick & Company, Chicago.
Master Markers. Pannier Bros. Stamp Co., Pittsburgh, Pa.
Master Mix Cement Hardener, The. Master Builders Co., Cleveland, O.
Master Oils Petroleum Products. Master Refining Co., San Francisco.
Master Pipe and Pipeless Furnaces. Mt. Vernon Furnace & Mfg. Co., Mt. Vernon, Ill.
Master Pipeless Furnaces. Tubular Heating & Ventilating Co., Philadelphia, Pa.
Master Pneumatic Presses and Hammers. Providence Press Machy Co., Inc., New York.
Master Primers. Master Primer Co., Detroit, Mich.
Master Pumping Jacks. The F. E. Myers & Bro. Co., Ashland, O.
Master Shovels. F. W. Jesup & Co., Inc., New York.
Master Slide Rule. Master Rule Mfg. Co., Inc., New York.
Master Spark Plugs. Hartford Machine Screw Co., Hartford, Conn.
Master Washing Powder. California Master Products Corp., Los Angeles, Cal.
Masters Transplanters and Plant Setters. Masters Planter Co., Chgo.
Masterbuilt Floors. The Master Builders Co., Cleveland, O.
Masterpiece Razors. C. Klauberg & Bros., New York.
Masterpiece Wrenches. Bonney Forge & Tool Wks., Allentown, Pa.
Mastic Asphalt. Byerly & Sons, Cleveland, Ohio.
Mastic Flooring. Johns-Manville, Incorporated, New York.
Mastic Roofing. National Roofing Materials Co., Edwardsville, Ill.
Mastic Tire Cements. Michelin Tire Co., Milltown, N. J.
Mastodon Elevator Belting. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Mastoff Fire Hose. Revere Rubber Co., Chelsea, Mass.
Matador Belting. Ulmer Leather Co., Norwich, Conn.
Matched Tone Radio Headsets. C. Brandes, Inc., New York.
Matchless Adjustable I-Beam Trolley. The Chisholm-Moore Mfg. Co., Cleveland, O.
Matchless Adjustable Trolley Switches. Chisholm-Moore Mfg. Co., Cleveland, Ohio.
Matchless Belting and Hose. Revere Rubber Co., Chelsea, Mass.
Matchless Box Openers, Adjustable Hack Saw Frames and Coping Saws and Screw Drivers. Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
Matchless Clothes Washing Machines. Richmond Cedar Works, Richmond, Va.
Matchless Electric Gas Lighter. Safety Gas Lighter Corp., Roanoke, Va.
Matchless Furniture Polish. Standard Oil Co of New York, N. Y.
Matchless Gas Burners. E. P. Gleason Mfg. Co., New York.
Matchless Hullers. Aultman & Taylor Machy. Co., Mansfield. O.
Matchless Hypodermic Syringes. Randall-Faichney Co., Boston.
Matchless Illuminating Oils. Tide Water Oil Co., New York.
Matchless Lawn Mowers. Dille & McGuire Co., Richmond, Ind.
Matchless Lawn Mowers. Dille & McGuire Co., Richmond, Ind.; E. C. Stearns & Co., Syracuse, N. Y.; S. P. Townsend & Co., Orange, N. J.
New York.
Matchless Malleable Frame Trolley. Scully Steel & Iron Co., Chicago.
Matchless Non-Inflammable Brattice Cloth. Laurin H. Turner & Co., Chicago.
Matchless Paste Polish. Matchless Metal Polish Co., New York.
Matchless Pipe Threaders. Oster Mfg. Co., Cleveland, O.
Matchless Radiators. W. A. Case & Son Mfg. Co., Buffalo, N. Y.
Matchless Ratchet. Oster Mfg. Co., Cleveland, O.
Matchless Reclaimed Rubber. U. S. Rubber Reclaiming Works, New York.
Matchless Shingles. John D. Collins Lumber Co., Seattle, Wash.
Matchless Soap Powder. J. Eavenson & Sons, Camden, N. J.
Matchless "U. S." Elevator and Conveyor Belting. United States Rubber Co., New York.
Matco Flexible Couplings and Gear Drives. Magneto Attachment Co., New York.
Materid Elevators, Compressors. C. H. & E. Mfg. Co., Milwaukee, Wis.
Mather & Platt Dyeing Machinery. Leigh & Butler, Boston.
Mather Crescent Automobile Springs. Mather Spring Co., Toledo, O.

Mather Pipe Protectors. Paul B. Huyette Co., Philadelphia.
Mather Vanadium Automobile Springs. Mather Spring Co., Toledo, O.
Mather Wool Finishing Machy. Leigh & Butler, Boston.
Mathesius Hot Blast Valves. Freyn, Brassert & Co., Chicago.
Matheson Joint Hydraulic Pipe. National Tube Co., Pittsburgh, Pa.
Matheson Lead. Matheson Lead Co., Long Island City, N. Y.
Mathews Conveyors. Mathews Gravity Carrier Co., Elwood City, Pa.
Mathews Fire Hydrants. R. D. Wood & Co., Philadelphia.
Mathews Guy Anchors, Clamps, Fuse Switches and Spray Gums. W. N. Matthews & Bro., Inc., St. Louis.
Mathews Hydrants, Valves. R. D. Wood & Co., Philadelphia, Pa.
Mathis Built Houseboats. Mathis Yacht Building Co., Camden, N. J.
Mathoid Roofing. Paraffin Co's. Inc., San Francisco.
Matrix Asphalt Mastic. Standard Asphalt & Rubber Co., Chicago.
Matson Metal Cutting-Off Machine. Matson Machine Co., Concord, N. H.
Matson Safety Metal Cutting Off Machines. Matson Machine Co., Concord, N. H.
Mattatuck Handcuffs and Wire Link Fabrics. Mattatuck Mfg. Co., Waterbury, Conn.
Matte Enamels. Edw. Smith & Co., Long Island City, N. Y.
Matthews Automobile Engines. Matthews Engineering Co., Sandusky, Ohio.
Matthews Craft Cruising Motor Boats and Yachts. The Matthews Co., Port Clinton, O.
Matthews Full Automatic Electric Light and Power Plants. Matthews Engineering Co., Sandusky, O.
Matthews Holdfast Lamp Guards. W. N. Matthews & Bros., St. Louis, Mo.
Matthews Photometers. Foote-Pierson & Co., New York.
Matthewson Sand Blast Equipment. Tilghman Brookshank Sand Blast Co., Philadelphia.
Mattingly Safety Valves. Mattingly Automatic Valve Company, St. Louis, Mo.
Mattison's Wood-Working Machinery. Mattison Machine Works, Rockford, Ill.
Maud-S Pinchers. Champion Tool Co., Meadville, Pa.
Maud S. Windmills. Maud S. Windmill & Pump Co., Lansing, Mich
Maumee Barrows. Toledo Wheelbarrow Co., Toledo, O.
Maumee Drag Road Scrapers. Toledo Wheelbarrow Co., Toledo, O.
Maurer Baking Tile. Henry Maurer & Son, New York.
Mauretania Closets. Crane Co., Chicago.
Mavasco Steel Sheets. Mahoning Valley Steel Co., Niles, O.
Mawson Ideal Cattle Stanchions. E. U. Scoville Co., Manlius, N. Y.
Max Sight Feed Lubricatros. Nathan Mfg. Co., New York.
Max Stadt Wire Connectors. Chicago Die & Machine Works, Chicago.
Maxbar Cornices and Skylights. Central Sheet Metal Works, New York.
Maxco Seat Operated Water Closets. Climax Sanitary Co., Detroit.
Maxco Water Closets. Sherwood Brass Wks., Detroit, Mich.
Maxecon Ore Grinding Mills. Kent Mill Co., Brooklyn, N. Y.
Maxf Grinding Wheels. Maxf Grinding Wheel Corp., Chester, Mass.
Maxfer Ton Truck. Maxfer Truck & Tractor Co., Chicago.
Maxh Grinding Wheels. Springfield Grinding Co., Chester, Mass.
Maxi-Mills. The Bullard Machine Tool Co., Bridgeport, Conn.
Maxle Locomotive Taps. Greenfield Tap & Die Corp., Greenfield, Mass.
Maxim Gasoline Burners. Theo. Clough, Dobbs Ferry, N. Y.
Maxim Industrial Silencers; Gun Silencers. The Maxim Silencer Co., Hartford, Conn.
Maxim Motor Boat Silencers. Wilcox Crittenden Co., Inc., Middletown, Conn.
Maxim Wood Cook Stoves. B. C. Bibb Stove Co., Baltimore, Md.
Maximaire Fan Belts. Dayton Rubber Mfg. Co., Dayton, O.
Maxine Metal Polish. Rexine Company, Sheboygan, Wis.
Maxolite Lightning Units. Central Electric Co., Chicago.
Maxon-Premix Burners. Maxon Furnace & Engineering Co., Muncie, Ind.
Maxtic Fabric Belting. Maxtic Belt & Packing Co., Wellesley Hills, Mass.
Maxum Grounding Boxes. Philadelphia Electric Co., Philadelphia, Pa. Fairmount Electric & Mfg. Co., Philadelphia, Pa.
Maxwell Concrete Reinforcing Bars. Lackawanna Steel Co., Buffalo, N. Y.
Maxwell Deformed Bar for Concrete. The Q. & C. Co., Chicago.
May Eureka Nut Crackers and Picks. Cassady, Fairbank Mfg. Co., Chicago.
May Flower Lawn Mowers. F. & N. Lawn Mower Co., Richmond, Ind.
May Meadows Blast Furnaces. Va. Iron, Coal & Coke Co., Roanoke, Va.
Mayari Pig Iron. Bethlehem Steel Co., Bethlehem, Pa.
Mayari Steel Heat Treated Track Bolts and Pig Iron. Bethlehem Steel Co., Bethlehem, Pa.
Mayari Steel Shovels. Wyoming Shovel Wks., Wyoming, Pa.
Mayari Track Bolt and Pig Iron. Bethlehem Steel Co., Bethlehem, Pa.
Maybro Phonographs, Bicycles and Grist Mills. Maybro Co., Binghamton, N. Y.
Maydole Hammers. David Maydole Hammer Co., Norwich, N. Y.
Mayer Automobile Jacks. Victor Machine Works, St. Louis, Mo.
Mayer Power Hammers. Moloch Company, Kaukauna, Wis.
Mayflower Fire Hose. Cornelius Callahan Co., Boston, Mass.
Mayflower Lawn Sprinklers. W. D. Allen Mfg. Co., Chicago.
Mayhew Mitre Boxes. H. H. Mayhew Co, Shelburne Falls, Mass.
Maymont Self-Oiling Pulleys. McMaster-Carr Supply Co., Chicago.
Maynard Shovels. C. A. Maynard, Northampton, Mass.
Mayo Garage Equipment. Mayo-Skinner Mfg. Co., Chicago.
Mays Epsom Salts. P. Van Schaack & Sons, Chicago.
Mays Salamanders. Eagle Iron Works, Brooklyn, N. Y.
Maytag Clothes Washing Machines. Maytag Co., Newton, Ia.
Maytag Husker, Feeder, etc. Maytag Co., Newton, Ia.
Mayville Folders, Adding Machine Rolls, Papers, Etc. Geo. W. Millar & Co., Inc., New York.
Maywood Bath Water Heaters. August T. Kornquist, Maywood, Ill.
Maywood Hose. Hewitt Rubber Co., Buffalo, N. Y.
Mazda Incandescent Lamps. General Electric Co., Schenectady, N. Y.
Mazda Lustre Furniture Polish; Metal Polish. Chamberlain-Haber Chemical Co., Cleveland, O.
Maze-Lite Lighting Fixtures. Edwin F. Guth Co., St. Louis, Mo.
Mazola Vegetable Oils. Corn Products Refining Co., New York.
Mazura Automobile Fixtures. Weiss-Bosley Sales Co., St. Louis, Mo.
McAlear Regulators, Steam Traps and Heating Specialties. The McAlear Mfg. Co., Chicago.
McAleer Wash Boilers. E. J. McAleer & Co., Philadelphia.
McAllister Wood Bumpers. W. B. McAllister Co., Cleveland.
McArthur Jacob's Ladders. The McArthur Portable Fire Escape and Jacob's Ladder Co., Cleveland, O.
McAuley Steam Traps. McAuley Automatic Trap Co., Pittsburgh, Pa.
McAuliffe Non-Siphoning Traps. Boston Brass Co., Waltham, Mass.
McBean Steel Ranges. Daniel Mahoney & Sons, Buffalo.
McBee Binders. McBee Binder Co., St. Louis, Mo.
McBride Electric Glove Stretchers. C. L. McBride Mfg. Co., Toledo.
McCabe Expansion Bolts and Door Hangers. McCabe Hanger Mfg. Co., New York.
McCabe Flanging Machine. McCabe Mfg. Co., Lawrence, Mass.
McCabe's "All-in-1" Lathe. J. J. McCabe Lathe & Mchy. Corp'n., New York.
McCadden Leakless Piston Rings. McCadden Machine Works, St. Cloud, Minn.
McCaffrey Files. McCaffrey File Co., Philadelphia, Pa.
McCallum Improved Road Plane. F. C. Mason Co., The, St. Johns, Mich.
McCambridge Plumbing Fixtures. McCambridge Co., Philadelphia, Pa.
McCanna Foundry Molding Machinery. Turner Machine Co., Phila., Pa.
McCanna's Thread Cutting Tools. John M. Rogers Works, Gloucester, N. J.
McCarthy Hat and Parcel Racks. Rostand Mfg. Co., Milford, Conn.
McCaslin Bucket Elevators, Gravity Conveyors. Mead-Morrison Mfg. Co., East Boston, Mass.
McCaslin Gravity Bucket Conveyors. Canadian Mead-Morrison Co., Ltd., Montreal, Can.
McCaull Carriage Bows. Downey Bros. Spoke & Bending Co., Lancaster, Pa.; Medina Bending Works, Medina, O.
McChesney Galvanized Steel Wire Hose Clamps & Couplings. J. S. McChesney & Co., Chicago.
McClave Shaking Grates. Jas. Beggs & Co., New York.
McClellan Files. Nicholson File Co., Providence, R. I.
McClellan Refrigerating Machines. McClellan Refrigerating Co., Chicago.
McClellan Trap Vents. F. N. Dubois & Co., New York.
McClintock Burglar Alarm Systems for Banks; Electrical Tubular Chime and Clock Systems. O. B. McClintock Co., Minneapolis.
McClure Hot Blast Stoves. G. W. McClure Son & Co., Pittsburgh, Pa.
McClure Seats and Tanks. Globe Fixture & Furniture Co., Quincy, Ill.
McCool Blind Stitching and Felling Machines. Acme Keystone Co., Beaver Falls, Pa.
McConley Belt Lacing. W. D. Allen Mfg. Co., Chicago.
McCord Copper Asbestos Gaskets. McCord Radiator Co., Detroit.
McCord Journal Boxes. Spring Dampeners, Dust Guards. McCord & Co., Chicago.
McCord Lubricators and Oil Pumps. McCord Mfg. Co., Detroit, Mich.
McCord Lubricators, Journal Boxes and Spring Dampers. McCord & Co., Chicago.
McCormick Binder Twine; Corn Binders; Grain Binders; Harvesters; Mowers. International Harvester Company of America, Inc., Chicago.
McCormick Blue Grass Harvesters. McCormick Bros., Winchester, Ky.
McCormick Hydraulic Turbines and Turbine Water Wheels. S. Morgan Smith Co., York, Pa.
McCormick-Deering Grain Binders; Corn Cultivators; Corn Pickers; Corn Planters and Corn Drills; Corn Shellers; Cream Separators; Feed Grinders; Ensilage Cutters; Kerosene Engines; Grain Shockers; Harrows; Harvester-Threshers; Haying Machines; Huskers, Shredders and Silo Fillers; Knife Grinders; Manure Spreaders; Plows; Potato Planters and Potato Diggers; Push Binders and Headers; Seeding Machines; Stalk Cutters; Sugar Beet Seeders, Cultivators and Pullers; Sugar Cane and Sorghum Mills; Threshers; Tractors; Wagons. International Harvester Company of America, Inc., Chicago.
McCormick Turbines. J. & W. Jolly, Inc., Holyoke, Mass.
M-Covel Belt Fasteners. Mfgs. Belt Hook Co., Chicago.
McCoy Bronze Tablets. The McCoy Bronze Company, Inc., Detroit, Mich.
McCoy Lubricators. Detroit Shipbuilding Co., Detroit, Mich.
McCoy Oil and Grease Cups. Detroit Shipbuilding Co., Detroit.
McCoy's Cement Packing. Hydro-Bar Waterproofing Co., New York.
McCoy's Sherardized Clips and Bob. McCoy Iron Works, Perth Amboy, N. J.
McCracken Air Valves. Kenton Machine Works, Portland, Ore.
McCracken Sewer Pipe Machines. Sioux City Engine & Machinery Co., Sioux City, Ia.
McCray Refrigerators. McCray Refrigerator Co., Kendallville, Ind.
McCreery Reflectors. A. A. McCreery, New York City.
McCrosky Ideal Adjustable Reamers; Searchlight Lamp Bracket; Super Adjustable Reamers; Turrets; Wizard Quick Change Chucks; Floaters; Steadyrests; Face Plates. McCrosky Tool Corp., Meadville, Pa.
McCulloch Spark Timers. McCulloch Mfg. Co., Boston.
McCullough Automatic Valve Grinders. B. L. Fry Mfg. Co., St. Louis.
McCullough Regulators. Gas Bill Reducing Co., Chicago.
McCully Crushers, Elevators and Screens. Worthington Pump and Machinery Corp., New York.
McDaniel Boiler Ejectors and Steam Traps. Watson & McDaniel Co., Philadelphia.
McDaniel Ejectors, Syphon Pumps, Exhaust Heads, Steam Traps. Watson & McDaniel Co., Philadelphia, Pa.
McDermott Continuous Twin Scoop Loader. Wellman-Seaver-Morgan Co., Cleveland, Ohio.
McDonald Basin Cocks. A. Y. McDonald Mfg. Co., Dubuque, Ia.
McDonald-Mann Coal Quenching Chutes. C. W. Hunt Co., Inc., West New Brighton, Staten Island, N. Y.
McDonald Pumps. A. Y. McDonald & Morrison Mfg. Co., Dubuque, Ia.
McDonald Wagon and Stock Scales. Moline Plow Co., Moline, Ill.
McDonnell Transformers. Wesco Supply Co., St. Louis.
McDonough Coal Saving System. McDonough Coal Saving Corp., Detroit, Mich.
McDonough Damper Regulators, Pump Governors, Feed Water Regulators. McDonough Automatic Regulator Co., Detroit.
McDonough Resaws and Sawmill Machinery. McDonough Mfg. Co., Eau Claire, Wis.
McDougall Roasting Furnace. Allis-Chalmers Mfg. Co., Milwaukee, Wis.
McDougal Smelting Furnaces. Allis-Chalmers Mfg. Co., Milwaukee.
McElroy Car Apparatus. Consolidated Car Heating Co., New York.
McEwan Engines. Ridgway Dynamo & Engine Co., Ridgway, Pa.
McFeeley Ejectors and Pumps. Tranter Mfg. Co., Pittsburgh, Pa.
McFeely Hydraulic Pumps. Tranter Mfg. Co., Pittsburgh.
McGiffert Log Loaders. Clyde Iron Works Sales Co., Duluth, Minn.
McGiffin Automobile Windshields. Automobile Specialties Co., Pittsburgh, Pa.
McGill Change Maker, High Speed Changer. McGill Metal Products Co., Chicago.
McGill Paper Fasteners. Waterbury Brass Goods Corp., Waterbury, Conn.
McGill Sliding Door Curtains. Railway Curtain Co., Chicago.
McGillivray Hydraulic Valves. Lawrenceville Bronze Co., Pittsburgh, Pa.
McGill's Baby Pumpless Gasoline Torches. McGill Mfg. Co., Valparaiso, Ind.

McGinty Grates. Kramer Bros., Fdy. Co., Dayton, O.
McGowan Pumps. John H. McGowan Co., Cincinnati, O.
McGrath Pneumatic Motors. Draper Mfg. Co., Port Huron, Mich.
McGraw Tires. The McGraw Tire & Rubber Co., Cleveland, O.
McGregor Boiler Braces. Jos. T. Ryerson & Sons, Inc., Chicago.
McGregor Gauge Glasses. A. W. Chesterton Co., Boston, Mass.
McGregor Skull Breakers. Allis Chalmers Mfg. Co., Milwaukee, Wis.
McGuire Roof Flanges. H. E. Hessler Co., Syracuse, N. Y.
McGuire Stove Pipe Thimbles. E. C. Stearns & Co., Syracuse, N. Y.
McGuire-Cummings Snow Sweepers. McGuire-Cummings Mfg. Co., Chicago.
McHenry-Millhouse Asphalt Roofing Shingles. McHenry-Millhouse Mfg. Co., Inc., South Bend, Ind.
McHenry Track Gauges, Track Levels. Fairbanks, Morse & Co., Three Rivers, Mich.
McInnes Steel. McInnes Steel Co., Ltd., Corry, Pa.
McIntosh & Seymour Diesel Type Oil Engines. McIntosh & Seymour Corp., Auburn, N. Y.
McIntosh High Frequency Violet Ray Apparatus. McIntosh Battery & Optical Co., Chicago.
McIntyre Hose Couplings. Combination Ladder Co., Providence, R. I.
McKay Bumpers; Tire Chains; Shurout Chains; Road Repair Links. U. S. Chain & Forging Co., Pittsburgh, Pa.
McKay Disc Plow. Towers & Sullivan Mfg. Co., Rome, Ga.
McKee Distributors. Arthur G. McKee & Co., Cleveland, O.
McKee Gas Fired Boilers. Eclipse Fuel Engng. Co., Rockford, Ill.
McKee Grease Cups. Lindholm Metal Stamping Co., Camden, N. J.
McKellar Steam Traps. W. T. Garrett & Co., San Francisco, Cal.
McKenna Iron Rail and Rolling Mills. American McKenna Process Co., Milwaukee.
McKenna Rail Mills. American McKenna Process Co., Milwaukee, Wis.
McKenna Reinforcing Bar Benders. McKenna Co., Cleveland.
McKenzie Potato Sprayers. McKenzie Mfg. Co., La Crosse, Wis.
McKesson-Rice Screenless Sizers. Stearns-Rager Mfg. Co., Denver.
McKiernan-Terry Pile Driving Hammers and Rock Drills. Terry Drill Co., New York.
McKim Dry Measures. Acme Sheet Metal Co., Martins Ferry, Ohio.
McKim Gaskets. McCord Mfg. Co., Detroit, Mich.
McKinney Hinges. McKinney Mfg. Co., Pittsburgh.
McKinney Ironing Boards. Tyrone Ironing Board Co., Tyrone, Pa.
McKinney One-Man Trucks. McKinney Mfg. Co., Pittsburgh, Pa.
McKinnon Folding Automobile Seats. McKinnon Dash Co., Buffalo.
McKinnon Grease Cups, Valve Re-seating Machines. McKinnon Iron Works, Ashtabula, Ohio.
McKnight Ejectors and Pumps. Tranter Mfg. Co., Pittsburgh, Pa.
McL. Leather Belting. F. W. McLarathan & Sons, Lawrence, Mass.
McLain's Semi-Steel. McLain's System, Inc., Milwaukee, Wis.
McLanahan Coal Jigs. McLanahan-Stone Machine Co., Holidaysburg, Pa.
McLaughlin Car Washer Brush. Murphy Leavens & Co., Boston, Mass.
McLaughlin Flexible Conduits and Lock Nuts. Franklin Railway Supply Co., New York.
McLeane Swastika Carriage Top Dressing. McLean-Jones Oil & Supply Co., Inc., Boston.
McM Loose Leaf Books. McMillan Book Co., Syracuse, N. Y.
McMahon Cable Grips. Hallet Iron Works, Harvey, Ill.
McMahon Couplings, Friction Clutches and Pulleys. McMahon & Co., Worcester, Mass.
McManus Gauges and Levels. Buda Company, Harvey, Ill.
McManus Track Gauges, Track Levels. Buda Co., Harvey, Ill.
McMicken Car Wheel Holders. Ransome Concrete Machy. Co., Dunellen, N. J.
McMyler Cranes. McMyler Interstate Co., Cleveland, O.
McMyler Interstate Pile Driver. McMyler Interstate Co., Cleveland, O.
McNab Chart Room and Engine Revolution Counters, Indicating Ship Telegraph Apparatus, Marine Clocks, Whistle Pulls, Steamship Draft Gauges. McNab Co., Bridgeport, Conn.
McNab Indicators; Circulator and Fuel Economizer; Engine Counters. The McNab Co., Bridgeport, Conn.
McNamara Hydrants and Washers. American Foundry & Mfg. Co., St. Louis, Mo.
McNamara Yard Hydrants. Jno. C. Kupferle Fdy. Co., St. Louis, Mo.
McNulty Locking Manhole Tops. S. E. T. Valve & Hydrant Co., Inc., New York.
McNutt Non-Explosive Can. McNutt Can Sales Co., New York.
McPartland Rail Clutches. Handlan-Buck Mfg. Co., St. Louis.
McPhail Whiffletree Hooks. National Malleable and Steel Castings Co., Cleveland, O.
McPherson Comfort Hot Air Furnace. W. G. McPherson Co., Portland, Ore.
McPhilben Adjustable Brackets and Lighting Fixtures. McPhilben Lighting Fixture Co., Jamaica, L. I., N. Y.
McQuay-Norris Leak-Proof Piston Rings. McQuay-Norris Mfg. Co., St. Louis, Mo.
McQuay-Norris-Wainwright Engine Pistons. McQuay-Norris Mfg. Co., St. Louis.
McRoy-Camp, Conduits. National Fire Roofing Co., Pittsburgh, Pa.
McShane Ball Cocks. McShane Bell Foundry Co., Baltimore, Md.
McSherry Harrows, Planting Drills, Seeders and Sowers, Shovel Plows. Fetzer & Co., Springfield, Ill.
McVicar Engine Oilers. Mine & Smelter Supply Co., New York.
McVicker Gasoline Engines. Walter A. Wood Mowing & Reaping Machine Co., Hoosick Falls, N. Y.
McVicker Safety Rail Anchor Tie Plates. Railway Safety Tie Co., Milwaukee, Wis.; Badger Concrete Mixer Co., Milwaukee, Wis.
McWhorter Peanut Planters, Potato Planters, Spring Cotters. McWhorter Mfg. Co., Riverton, N. J.
McWilliams Metering Panel Boards, Light and Power Switchboards. George Cutter Works of Westinghouse Elec. & Mfg. Co., South Bend, Ind.
Mea Magnetos. Marburg Bros., New York.
Meacham Gears. The Meacham Gear Corp., Syracuse, N. Y.
Mead Cushion Wheels. American Cushion Wheel Co., Chicago.
Mead-Morrison Hoists, Truck Winch, Etc. Mead-Morrison Mfg. Co., E. Boston, Mass.
Meadow Gold Brooms. Deshler Broom Factory, Deshler, Neb.
Meadow King Hay Carriers. J. E. Porter Co., Ottawa, Ill.
Meadow Lark Clothes Washing Machines. Meadows Mfg. Co., Bloomington, Ill.
Meadow Mills Feed Grinding Mills. International Harvester Co. of America, Inc., Chicago.
Meadow Monarch Hoes. Union Fork & Hoe Co., Columbus, O.
Meadow Pitless Scales and Clothes Washing Machines. Meadows Mfg. Co., Bloomington, Ill.
Meadow Queen Hay Carriers. J. E. Porter Co., Ottawa, Ill.
Meaker Complete Galvanizing Plants. Meaker Co., Chicago.
Meaker Spark Plugs. Meaker Spark Plug Co., Detroit, Mich.
Measuregraph. The Measuregraph Co., St. Louis, Mo.
Mecca Grease Cups. Wm. Powell Co., Cincinnati, O.
Mecca Lubricating Petroleum Oils. Waverly Oil Works, Pittsburgh, Pa.
Mecca Oils and Grease Cups Lubricators. Wm. Powell Co., Cincinnati, O.
Mecco Kalameined Fire Proof Doors; Metal Garages and Portable Buildings; Metal Ceilings and Side Walls; Metal Shingles; Metal Spanish Tile; Galvanized and Painted Roofings; Rolling Steel Doors; Tin Clad Doors; Patented Roofings. The Moeschl-Edwards Corrugating Co., Cincinnati, O.
Mechanic Special Grinders. Luther Grinder Mfg. Co., Milwaukee, Wis.
Mechanics Drilling Machines. Rockford Machine Tool Co., Rockford, Ill.; Rockford Drilling Machine Co., Rockford, Ill.
Mechanics End Wrenches and Pliers. Mechanics Tool Co., Rockford, Ill.
Mechanics' Gasoline Engines. Mechanics' Fdy. & Machine Co., Fall River, Mass.
Mechanics Hall Automobile Annunciators. C. Cowles & Co., New Haven, Conn.
Mechanics' Special Hand Power Tool Sharpeners. Luther Grinder Mfg. Co., Milwuakee, Wis.
Meco Metal. The Midwest Engine Co., Indianapolis, Ind.
Meco Porches. Modern Engineering Co., St. Louis, Mo.
Meco Welding and Cutting Equipment. Modern Engineering Co., St. Louis, Mo.
Medal Brand 2-Ply and 3-Ply Prepared Roofing. Barrett Co., New York.
Medal Paving Blocks. The Medal Paving Brock Co., Cleveland, O.
Medart Power Transmission Machinery and Appliances. The Medart Company, St. Louis, Mo.
Medart Steel Lockers, Shelving, R. F. D. Mail Boxes, Playground and Gymnasium Apparatus and Stools. Fred Medart Mfg. Co., St. Louis, Mo.
Media Drinking Fountains. Crane Co., Chicago.
Medicus Lavatories. Crane Co., Chicago.
Medio Baths. Crane Co., Chicago.
Medusa Cements and Waterproofing Materials. Sandusky Cement Co., Cleveland.
Medusa White Portland Cement and Waterproofing Materials. Sandusky Cement Co., Cleveland, O.
Meeco Metal Shop and Factory Equipment. Manufacturing Equip. & Eng. Co., Framingham, Mass.
Mefco Electrical Specialties. M. E. Flaherty Co., Chicago.
Megger Testing Sets. James G. Biddle, Philadelphia, Pa.
Megohmo Moulded Insulation. Waterbury Button Corp., Waterbury, Conn.
Mehl-Made Gauges, Jigs, Dies, Special Machinery. Mehl Machine Tool & Die Co., Rosille, N. J.
Meek Ovens. Meek Mfg. Co., Westport, Conn.
Meeker Automatic Elevator Doors. Hanke Iron & Steel Works, Chicago.
Meeker Fire Proof Doors. S. H. Harris Co., Chicago.
Meeker's Harrows and Pulverizers. C. O. Jelliff Mfg. Corporation, Southport, Conn.
Meesco Short Center Belt Drives and Oil Well Countershafts. Meese & Gottfried Co., San Francisco.
Mefcolite Electric Fixtures. H. G. McFaddin & Co., New York.
Megaphos Binoculars. F. W. King Optical Co., Cleveland.
Megger Ohmeters. James G. Biddle, Philadelphia.
Megson Oil Wiper for Piston Rings. Auto Diesel Piston Ring Co., New Haven, Conn.
Mehco Winches and Windlasses and Marine Hardware. Marine Hardware-Equipment Co., South Portland, Me.
Meilicke Efficiency Devices. Meilicke Calculator Co., Chicago.
Meilink Filing Safes. Meilink Steel Safe Co., Toledo, O.
Melco Safety Devices. M. G. Melvin Co., (Inc.), New York.
Melibite Glass Shades. Gillender & Sons (Inc.), Philadelphia.
Mellor Box Opener, Nail Puller and Hammer Combined; Nail Pullers. Mellor Box Opener Co., Sedalia, Mo.
Mellotone and Mello-Gloss Paints. Lowe Brothers Co., Dayton, O.
Mel-O-Dee Music Rolls. Mel-O-Dee Music Co., Inc., New York.
Mel-Rock Air Washers, Coolers, Humidifiers, Etc. Mellish-Hayward Company, Chicago.
Melrose Coupler. National Malleable Casting Co., Cleveland, O.
Melrose Fibre Matting. New England Rug Co., Lawrence, Mass.
Melrose Lawn Mowers. F. & N. Mower Co., Richmond, Ind.
Melrose Tubing. Quaker City Rubber Co., Philadelphia.
Meltaway Paint and Varnish Remover. A. Wilhelm Co., Reading, Pa.
Melville Sheet Packing. Osgood Sayen, Philadelphia, Pa.
Memar Auto Jacks. Paulson-McPike Mfg. Co., Cleveland.
Memiphone Electric Toys. Russell Electric Co., Danbury, Conn.
Memphil Electric Lamp Posts. Casey Hedges Co., Chattanooga, Tenn.
Memphi Paints and Varnishes. De Soto Paint Mfg. Co., Memphis, Tenn.
Menasha Friction Clutch Pulleys. Menasha Clutch Pulley & Mach'y Co., Menasha, Wis.
Menasha Pulleys and Trucks. Menasha Wood Split Pulley Co., Menasha, Wis.
Mendota Enameled Iron Bath Tubs. McVay-Walker Co., Braddock, Pa.
Menitone Flat Wall Paint. C. A. Woolsey Paint & Color Co., Jersey City, N. J.
Menlo Babbitt Metal. Holbrook, Merrill & Stetson, San Francisco, Cal.
Menlo Boilers. The H. B. Smith Co., Westfield, Mass.
Menlo Steam Heaters. H. B. Smith Co., Westfield, Mass.
Meno Rust Remover. Peter A. Frasse & Co., New York.
Menominee Trucks. Menominee Motor Truck Co., Menominee, Mich.
Mensha Shipping Case Seals. Mensha Wooden Ware Co., Mensha, Wis.
Menz Hand Soap. R. M. Hollingshead Co., Camden, N. J.
Mephisto Auger Bits. W. A. Ives Mfg. Co., Wallingford, Conn.
Mephisto Chemicals, Disinfectants, Soaps, Compounds, Etc. Northwest Chemical & School Supply Co., Spokane, Wash.
Mephisto Copying Pencils. Koh-I-Noor Pencil Company, New York.
Mephisto Heat-Resisting Oils. W. P. Collins & Co., Chicago.
Mephisto Sheet Packing. Asbestos Fibre & Rubber Co., Trenton, N. J.
Mephisto Wood Boring Tools. Ives Mfg. Co., Wallingford, Conn.
Mephistopine Disinfectant. Northwest Chemical & School Supply Co., Spokane, Wash.
Meprolene Heat Transmitting Oils. Standard Oil Co., New York.
Mercantile Addressing Machinery. Challenge Machinery Co., Grand Haven, Mich.
Mercantile Fountain Pens. Aiken Lambert Co., New York.
Mercantile Pencils. Eagle Pencil Company, New York.
Mercedes Calculating Machine. Ralph C. Coxhead, New York.
Mercedes Lubricating Oils and Grease. C. F. Sweet, Hartford, Conn.
Mercer Belting. Mercer Rubber Co., Hamilton, N. J.
Mercer Motor Cars. Mercer Automobile Co., Trenton, N. J.
Mercer Return Flue Boilers. The H. B. Smith Co., Westfield, Mass.
Mercer Steam Heaters. H. B. Smith Co., Westfield, Mass.
Merchant Clothes Lines. Estes Mills, Fall River, Mass.

Merchant's Old Method Roofing Tin. Merchant & Evans, Phila.
Merchant's Tires; Shingles. Merchant & Evans Co., Philadelphia, Pa.
Merck's Chemical Re-agents. Merck & Co., New York.
Merco Nordstrom Plug Valve. The Merrill Company, San Francisco, Calif.
Merco Overload Relay for Alternating Current Motors. Brown & Pengilly, Inc., Los Angeles, Cal.
Merco Valves. Merrill Co., San Francisco.
Mercurio Petroleum Products. W. R. Grace & Co., New York.
Mercury Belting. Republic Rubber Co., Youngstown, O.
Mercury Chrome Leather Packing. Horace G. Preston Co., Detroit, Mich.
Mercury Fuel Level Indicators. Rochester Mfg. Co., Rochester, N. Y.
Mercury Plumb Bobs. Brown & Sharpe Mfg. Co., Providence, R. I.
Mercury Time Switch. Mercury Time Switch Co., Detroit.
Mercury Tractors. Mercury Mfg. Co., Chicago.
Mergenthaler Milling Cutters and Taps. Mergenthaler Co., Baltimore, Md.
Meriam Gas Engine Indicators. Meriam Co., Cleveland.
Meriden Undercut Lathes. Meriden Machine Tool Co., Meriden, Conn.
Meriman Inclinable Presses. Meriden Press & Drop Co., Meriden, Conn.
Merino Flax Packing. H. Johnson Co., Jersey City, N. J.
Merit Automatic Oil Stoking System. Associated Engineering & Supply Co., San Francisco, Calif.
Merit Babbitt. Great Western Smelting & Ref. Co., Chicago.
Merit Carbon Paper, Typewriter Ribbons. E. A. Brecher Co., N. York.
Merit Hot Water Bottles and Syringes. Tyer Rubber Co., Andover, Mass.
Merit Pressed-Metal Sash Pulleys. American Pulley Co., Phila., Pa.
Merit Veneer Machinery. Merritt Mfg. Co., Lockport, N. Y.
Meritas Made Fabric Body Automobile. The Standard Textile Products Co., New York.
Meritas Oil Cloth and Leather Cloth. The Standard Textile Products Co., New York.
Meritorious Metal Polish. Monroe Specialty Co., New York.
Merlo Hi-Test Greases and Lubricating Oils. Hi-Test Lubricant Co., San Francisco.
Mermaid Belting, Belt Cements. Hudson Belting Co., Worcester, Mass.
Mermaid Dish Washer. Mermaid Dish Washer Co., Middletown, Conn.
Mermaid Waterproof Leather Belting. Hudson Belting Co., Worcester, Mass.
Mer-ra Hose and Belting. Southern Railway Supply & Equipment Co., St. Louis, Mo.
Merrell Pipe Cutting and Threading Machines. Merrell Mfg. Co., Toledo, O.
Merrell Threading Machinery. Merrill Mfg. Co., Toledo, O.
Merriam Cash, Document and Safe Deposit Boxes. Merriam Mfg. Co., Durham, Conn.
Merriam Threading Machinery. H. B. Brown Co., East Hampton, Conn.
Merrick Conveying Weigher. The Conveying Weigher Co., New York.
Merrick Conveyor Weightometer. Merrick Scale Mfg. Co., Passaic, N. J.
Merrick Wrenches. Bemis & Call Hardware & Tool Co., Springfield, Mass.
Merrill Slime Filters. Merrill Co., San Francisco.
Merrillite Zinc Dust. Merrill Co., San Francisco.
Merrimack Belting. Page Belting Co., Concord, N. H.
Merrimac Belting, Packing, Rubber Hose. Empire Tire & Rubber Corp., Trenton, N. J.
Merrimac Foot Presses. Meriden Press & Drop Co., Meriden, Conn.
Merrimac Hand Carts. Frank J. Aubeuf, Oneida, N. Y.
Merrimac Reclaimed Rubber. Nearpara Rubber Co., Trenton, N. J.
Merriman Asphalt Plant. The East Iron & Machine Co., Lima, O.
Merriman Bolt Cutting Machines. H. B. Brown Co., East Hampton, Conn.
Merriman Drop Hammers, Presses, Spinning Lathes. Meriden Press & Drop Co., Meriden, Conn.
Merriman Stone Gang Sawing Machines. Lincoln Iron Works, Rutland, Vt.
Merritt Automatic Sewage Siphons. Albert Priestmann, Philadelphia.
Merritt Steel Lockers. Dexter Metal Mfg. Co., Camden, N. J.
Merritt Wire Hooks. F. M. Merritt, Penn Yann, N. Y.
Merrow Overseam, Overedge and Shell Stitch Machines. Merrow Machine Co., Hartford, Conn.
Merrow Sewing Machine. Merrow Machine Co., Hartford, Conn.
Merry Garden Tractors. A. D. Granger Co., New York.
Mershon Sawmill Band Resaw. Wm. B. Mershon & Co., Saginaw, Mich
Mershon Steam Heaters. Mershon Patent Shaking Grate Works, Philadelphia.
Meruco Tank Balls. U. S. Rubber Co., New York.
Meruco Tape. Mechanical Rubber Co., Cleveland, O.
Mervolin Automobile Oils and Greases. Albany Belting & Supply Co., Inc., Albany, N. Y.
Mesco Products. Manhattan Electrical Supply Co., Inc., New York.
Mesco Time Switches, Battery Connectors, Dry Batteries, Spark Plugs. Manhattan Electrical Supply Co., New York.
Mescolite Electrical Lanterns. Manhattan Electrical Supply Co., New York.
Messinger Gas Engines. Messinger Mfg. Co., Tatamy, Pa.
Messenger Strand. John A. Roebling's Sons Co., Trenton, N. J.
Messer Welding and Cutting Apparatus. Messer Welding Supply Corp., Brooklyn, N. Y.
Mesta Automatic Plate Valves; Improved Metal Pickling Machines Mesta Machine Co., Pittsburgh, Pa.
Metafife Paints. John Lucas & Co., Philadelphia.
Metacrete Cement Filler. Klein Mfg. Co., Cleveland, O.
Metaforms. Metal Form Corporation, Milwaukee, Wis.
Metalastic Metal Protective Paints. Sherwin-Williams Co., Cleve., O
Metalbestos Packing. A. W. Chesterton Co., Boston, Mass.
Metalcase Magnesite Brick. Phoenix Iron Co., Philadelphia.
Metal Craft Oilers. Wm. Vogel & Bros., Brooklyn, N. Y.
Metal Bound Stucco Brushes. Gerts, Lumbard & Co., Chicago.
Metalcoat Paints. Warren Paint & Color Co., Nashville, Tenn.
Metalcote. The Lowe Bros. Co., Dayton, O.
Metalcrete Concrete Hardeners. Klein Mfg. Co., Cleveland.
Metalcrete Floor Hardener. The Klein Mfg. Co., Cleveland, O.
Metaleather Upholsterers' Nails. American Ring Co., Waterbury, Conn.
Metalife Paints and Red Lead Preservative. John Lucas & Co., Inc., Philadelphia, Pa.
Metaline Brass Bushings and Oilless Bearings. Metaline Co., Long Island City, N. Y.
Metaline Upholstering Nails. Brewer-Titchener Corp., Cortland, N. Y.
Met-All Water Closets. Columbus Brass Co., Detroit.
Metal Life Lubricating Oils and Greases. Borne-Schrymser Co., New York.
Metal Lumber Metal Studs. Berger Mfg. Co., Canton, O.
Metal Prince Packing Mfrs. Darcoid Co., New York.
Metal Punches, Bolt Clippers. Wm. Schollhorn Co., New Haven, Conn.
Metalined or Oilless Bearings. The Metaline Co., Long Island City, N. Y.
Metalite Abrasive Cloth. Hammacher, Schlemmer & Co., New York.
Metalium Sealing Material. Robert B. Howell, Omaha, Nebr.
Metallo Asbestos Gaskets. Metallo Gasket Co., New Brunswick, N. Y.
Metallo Packing. A. W. Chesterton Co., Boston.
Metalkase Magnesite Brick (McCallum Patent). Harbison-Walker Refractories Co., Pittsburgh, Pa.
Metalpac Flexible All-Metallic Packing. Goodsell Packing Co., Maywood, Ill.
Metalshine Metal Polish. Garratt-Callahan Co., San Francisco.
Met-Al-Shine Polish. Richmond Bros., Cincinnati, O.
Metalteel Iron and Steel Preserving Paints. St. Louis Surfacer & Paint Co., St. Louis, Mo.
Metal-Tuff Oil Board. Diagraph Stencil Machine Corp., St. Louis, Mo.
Metalweld Fluxes, Solder and Welding Rods. Metalweld Service Corp., Philadelphia.
Metalwood Press; Auto Rim Shrinker. Metalwood Mfg. Co., Detroit, Mich.
Metaphrom Damper Regulators. National Regulator Co., Chicago.
Metcalf Laundry Machinery. Stubbins Mfg. Co., Denver, Colo.
Metco Ventilators. Sheet Metal Mfg. Co., New York City.
Meteor Alcohol Stoves. W. H. Sweeney Mfg. Co., Brooklyn, N. Y.
Meteor Explosives. E. I. du Pont de Nemours & Co., Inc., Wilmington, Del.
Meteor Hot Air Furnaces. Thatcher Furnace Co., New York.
Meteor Ignition Wire. H. Baker & Co., Inc., New York.
Meteor Lubricators. Michigan Lubricator Co., Detroit, Mich.
Methot Carburetors. Dow Mfg. Co., Braintree, Mass.
Metite Brushes for D. C. Machines. General Electric Co., Schenectady, N. Y.
Metla-Cota Boiler Compounds. State Mfg. Co., Cleveland.
Metlskin Boiler Compounds. Metlskin Co., Inc., New York.
Met-O-Sol Coal Tar Disinfectants. Rochester Germicide Co., Rochester, N. Y.
Metprodco Rolled Steel Windows. United States Metal Products Co., San Francisco.
Metric Packing. Metric Packing Co., Buffalo, N. Y.
Metropolitan Cable Clips. Cameron Appliance Co., Everett, Mass.
Metropolitan Cable Joints, Electric Cable Hangers, Electric Current Taps, Expansion Plugs. Yonkers Specialty Co., Yonkers, N. Y.
Metropolitan Fire Hose. N. J. Car Spring & Rubber Co., Jersey City, N. J.
Metropolitan Flint Paper. R. J. Waddell & Co., New York.
Metropolitan Floors, Roofs. Keystone Fireproofing Co., New York.
Metropolitan Gauges. Schaeffer & Budenberg Mfg. Co., Brooklyn, N. Y.
Metropolitan Injectors and Ejectors. United Injector Co., New York.
Metropolitan Injectors. Manning, Maxwell & Moore, New York.
Metropolitan Mantles. Welsbach Light Co., Philadelphia, Pa.
Metropolitan Paving Bricks. The Metropolitan Paving Brick Co., Canton, Ohio.
Metropolitan Shingles. Milwaukee Corrugating Co., Milwaukee, Wis.
Metropolitan Switches. Metropolitan Electric Mfg. Co., Long Island City, N. Y.
Metropolitan Vitrified Paving Brick. Metropolitan Paving Brick Co., Canton, O.
Met-Weld Acetylene Generators. Welding Metals Mfg. Co., The, Cleveland, O.
Meurer's Metal Specialties. Meurer Bros. Co., Brooklyn, N. Y.
Mexican Boiler Graphite. The United States Graphite Co., Saginaw, Mich.
Mexoline Metal Polish. Matchless Metal Polish Co., The, Chicago.
Meyco Corn Poppers. Fred J. Meyers Mfg. Co., Hamilton, O.
Meyer Rubber Footwear. U. S. Rubber Co., New York.
Meyer Steelform Construction. Concrete Engineering Co., Omaha, Neb.
Meyerbilt Dairy, Brewers and Bottlers Machinery. Geo. J. Meyer Mfg. Co., Milwaukee, Wis.
Meyers Automatic Boiler Skimmers. Manchester Mfg. Co., North Manchester, Ind.
Meyers Blow-Off Valves. Kelly & Jones Co., Greensburg, Pa.
Meyers Cement. Harrison Supply Co., Boston.
Meyers Dies. W. F. Meyers Gage Co., Bedford, Ind.
Mezzo Super-Carbon Drills. The Cleveland Twist Drill Co., Cleveland, O.
Mheco Connecting Links. Marine Hdw. Equipment Co., Portland, Me.
Miami Automobile Truck Trailers. Miami Trailer Co., Troy, O.
Miami Bicycles. Miami Cycle & Mfg. Co., Middletown, O.
Miami Gas Engines. Middletown Machine Co., Middletown, O.
Miami Harrows and Pulverizers. Ohio Rake Co., Dayton, O.
Miami Enameled Blotting Paper. Wrenn Paper Co., Middletown, O.
Miami Lavatories. Crane Co., Chicago.
Miami Oil Cups. Lunkenheimer Co., Cincinnati, O.
Miami Wall Ties. American Rolling Mill Co., Middletown, O.
Mia Para Packing. Curry Bros. Oil Co., Boston.
Mica Axle Grease. Standard Oil Co. of Indiana, Chicago.
Mica Packings. W. D. Allen Mfg. Co., Chicago.
Micabond Mica. Chicago Mica Co., Valparaiso, Ind.
Micabond Moulding, Commutator Segments, Special Moulded Insulation. Chicago Mica Company, Valparaiso, Ind.
Micadamite Mica Mfr. Melrowsky Bros., Jersey City, N. J.
Micado Rod Packing. Quaker City Rubber Co., Philadelphia, Pa.
Micado Spiral Packing. Quaker City Rubber Co., Philadelphia.
Micalite Non-burning Celluloid. Strauss & Buegeleisen, Brooklyn, N. Y.
Micanite Mica and Insulating Paper and Washers. Mica Insulator Co., New York.
Mica Rite Mica Plate. Mitchell-Rand Mfg. Co., New York.
Mica Schist Furnace Lining. Edge Hill Silica Rock Co., New Brunswick, N. J.
Micarta Products. Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
Micarta Silent Gear. Philadelphia Gear Works, Inc., Philadelphia, Pa.
Micasmiths Insulating Cloth and Tape. Mica Mfg. Co., Brooklyn, N. Y.
Micaspar Crystals for Stucco Work. Crown Point Spar Co., Inc., New York.
Micatite Spark Plug. Pittsfield Spark Coil Co., Pittsfield, Mass.
Michelin Universal Tire. Michelin Tire Co., Milltown, N. J.
Michigan Air Compressors, Lubricators, Brass, Fittings, Multiple and Plural Oilers and Uniform Radiator Valves. Michigan Lubricator Co., Detroit, Mich.
Michigan Bean Cultivators. Moline Plow Co., Moline, Ill.
Michigan Beet Diggers. Bucher & Gibbs Plow Co., Canton, O.
Michigan Boiler Injectors. Stephens Roe Mfg. Co., Detroit, Mich.
Michigan Cash Registers. Michigan Machine Co., Detroit, Mich.
Michigan Cement. Michigan Portland Cement Co., Chelsea, Mich.
Michigan Deck and Dock Hoists. Michigan Dredge Co., Bay City, Mich.
Michigan Drag Road Scrapers. The Lansing Company, Lansing, Mich.
Michigan Monel Metal, Wire Cloth. Michigan Wire Cloth Co., Detroit, Mich.
Michigan Motor Valves. Michigan Engine Valve Co., Detroit, Mich.

Michigan Oil and Grease Cups, Lubricators, Gauges, Valves. Michigan Lubricator Co., Detroit, Mich.
Michigan Poppet Valves. Michigan Engine Valve Co., Detroit, Mich.
Michigan Power Presses and Multiple Spindle Drills. National Foundry & Machine Co., Inc., Ypsilanti, Mich.
Michigan Squaring Shears. Michigan Press Co., Ypsilanti, Mich.
Michigan Water Filters. Everson Filter Co., Chicago.
Michigan Wire Cloth and Netting. Michigan Wire Cloth Co., Detroit, Mich.
Michigan Wood Pipe. Michigan Pipe Co., Bay City, Mich.
Michigan Wood Stave Pipe. Michigan Pipe Co., Bay City, Mich.
Michigan Dope Disinfectants. Brilliant Searchlight Mfg. Co., Chicago.
Michiner Coal Elevator. Wellman-Seaver-Morgan Co., Cleveland, O.
Michrome Resistance Alloys. Driver Harris Wire Co., Harrison, N. J
Mico Insulating Tape. Mica Insulator Co., New York.
Micro Internal Grinders. Micro Machine Co., Bettendorf, Ia.
Micro-Drive Elevators. Otis Elevator Co., Jersey City, N. J.
Microgage Cylinder Gauges. Engineering Specialties Co., Detroit, Mich.
Micro-Ground Machine Knives. Loring Coes & Co., Worcester, Mass.
Micronex Carbon Blacks. Binney & Smith Co., New York.
Micro Oil Inspector. John F. Robertson Co., Pittsburgh, Pa.
Microphone Batteries. J. H. Bunnell & Co., New York.
Midco Cement Coated Wire Nails. Middleton Nail Wks., Philadelphia.
Middlesex Fire Brick. Seaboard Refractories Co., Perth Amboy, N. J.
Middy Engine Lubricators. Wm. Powell Co., Cincinnati, O.
Midget Can Openers. Ira F. White & Son, Bloomfield, N. J.
Midget Card Index Outfits. Weis Mfg. Co., Monroe, Mich.
Midget Card Tables. E. T. Burrowes Co., Portland, Me.
Midget Cutters. L. F. Grammes & Sons, Inc., Allentown, Pa.
Midget Door Hangers and Track. Frantz Mfg. Co., Sterling, Ill.
Midget Flush Plugs, Fuse Rosettes. Arrow Elec. Co., Hartford, Conn.
Midget Garden Weeders. C. S. Norcross & Sons, Bushnell, Ill.
Midget Hand Stamps. Hill-Independent Mfg. Co., Philadelphia, Pa.
Midget Lavatories and Fittings. James Barrett Mfg. Co., Boston.
Midget Lawn Sprinklers. W. D. Allen Mfg. Co., Chicago.
Midget Oil Pumps. A. C. Kraft, Chicago.
Midget Pop Safety Valves. Lunkenheimer Co., Cincinnati, O.
Midget Push Buttons. Francis Keil & Son; Edwards & Co., Inc., New York.
Midget Saw Punches. Henry Disston & Sons, Philadelphia.
Midget Shoe Blacking and Polishes. Whittemore Bros. Corp., Cambridge, Mass.
Midget Staplers. Acme Staple Co., Ltd., Camden, N. J.
Midget Water Tube Boilers Where Small Power Is Required, 2 to 5 H. P. Sizes. Page Boiler Co., Chicago.
Midget Yarn Hand Dusters. Universal Brush Co., Freeport, Ill.
Midgley's Hand Cards. Howard Bros. Mfg. Co., Worcester, Mass.
Midland Car Door Hanger. The Midland Company, South Milwaukee, Wis.
Midland Jump Spark Cigar Lighter. Davenport Mfg. Co., Davenport, Ia.
Midland Shoveling and End Gate Boards. Peoria Drill & Seeder Co., Peoria, Ill.
Midvale Linoleum. Geo. W. Blabon Co., Philadelphia.
Midway Forge Blowers. Champion Blower & Forge Co., Lancaster, Pa
Midwest Bulldog Timber Joint Plates; Steel Washers; Unit Air Fillers. Midwest Steel & Supply Co., Inc., New York.
Midwest Utilator Tractor. A. D. Granger Co., New York.
Mietz Oil Engines. Reliance Oil Engine Corp., New York.
Mignon Lavatories and Fittings. Sanitas Mfg. Co., Boston.
Mikado Grease Cups. Wm. Powell Co., Cincinnati, O.
Mikado Razors. F. A. Clauberg & Co., New York.
Mikado Roofing. Flintkote Co., Boston.
Mikado Yellow Cotton Belting. W. D. Allen Mfg. Co., Chicago.
Milano Tool Steel. Slatington Iron & Steel Co., New York.
Mikkola Concrete Shovels. Conneaut Shovel Co., Conneaut, O.
Milapaco Lace Paper. Milwaukee Lace Paper Co., Milwaukee, Wis.
Milburn Carbide Lights. The Alexander Milburn Co., Baltimore, Md.
Milburn Contractors' Portable Lights, Circus Lights, Flare Lights, Oxy-Acetylene Welding Apparatus. Alexander Milburn Co., Baltimore, Md.
Milburn Oxy-Acetylene Welding and Cutting Apparatus and Torches. The Alexander Millburn Co., Baltimore, Md.
Milcor Canopies, Brooders, Hog Watering Troughs, Metal Building Corners, Ventilators; Batten Strips, Steel Tanks, Puttyless Skylights and Windows. Milwaukee Corrugating Co., Milwaukee, Wis.
Mildrum Jewel Bearings; Fishing Rod Mountings. The W. W. Mildrum Jewell Co., East Berlin, Conn.
Miles Concrete Block Machine. The Miles Mfg. Co., Jackson, Mich.
Miles Piston Rings. Miles Piston Ring Co., Chicago.
Mil Flex Hack Saw Blades. Henry G. Thompson & Son Co., New Haven, Conn.
Milflex Hack Saws. H. A. Rogers Co., New York.
Milford Can and Bottle Openers, Knife Sharpeners. C. S. Baldwin Mfg. Co., Milford, Conn.
Milford Concrete Filled Columns. Milford Iron Fdry., Milford, Mass.
Milford Hack Saw Blades. Henry G. Thompson & Sons Co., New Haven, Conn.
Milford Hack Saws. Troy File Works, Troy, N. Y.
Milford Knife Sharpeners. Baldwin Mfg. Co., Milford, Conn.
Milford Master Grip Frames. H. G. Thompson & Son Co., New Haven, Conn.
Miller 3 in 1 Lawn Trimmers. Miller & Gleason, Olean, N. Y.
Milford Pink Granite, Building Work. Welb Pink Granite Co., Milford, Mass.
Mil-ite Paints and Varnishes. Patterson-Sargent Co., Cleveland, O.
Mill It Cutting Machines. The Standard Mfg. Co., Bridgeport, Conn.
Mill-Type Spur Gear Reducers and Flexible Couplings. Palmer-Bee Company, Detroit, Mich.
Mill-Whitest Mill White Paint. Voltax Co., Bridgeport, Conn.
Millco Service. James S. Miller Co., Chicago.
Millen Car Signs. Columbia Machine Works & Malleable Iron Co., Brooklyn, N. Y.
Miller Automatic Feeders and Saw Trimmers. Miller Saw Trimmer Co., Pittsburgh.
Miller Cabinet Locks, Padlocks and Night Latches. The Miller Lock Co., Philadelphia, Pa.
Miller Eagle Haying Tools. Appleton Hay Tool Co., Appleton, Wis.
Miller Engines. Miller Engine Wks., Los Angeles, Cal.
Miller Farm Wagons. Collins Plow Co., Quincy, Ill.; Miller Wagon Co., Edina, Mo.
Miller Flush-Tank Siphons. Pacific Flush-Tank Co., Chicago.
Miller Geared-to-the-Road Uniform Mileage Tires. Miller Rubber Co. of N. Y., The, Akron, O.
Miller Guy Anchors. Miller Anchor Co., Norwalk, O.
Miller Kerosene Heaters. Edw. Miller & Co., Meriden, Conn.
Miller Key-Seating Machines. National Mach. Tool Co., Cincinnati, O.
Miller Keystone Flux. The Basic Mineral Co., Pittsburgh, Pa.
Miller Lock Mortiser. Miller Mfg. Co., Riverside, Calif.
Miller Locomotive Washout Systems. Miller Heating Co., Chicago.
Miller Oil Lamps. Edw. Miller & Co., Meriden, Conn.
Miller Pump Tight Fire Extinguishers. Miller-Peerless Mfg. Co., Chicago.
Miller Ranges. Wm. Miller Range & Furn. Co., Cincinnati, O.
Miller Road Coaches Automobiles. Miller Engine Works, Los Angeles.
Miller Rubber Tires. Miller Rubber Co., Akron, O.
Miller Siphon Flush Tanks. Pacific Flush Tank Co., Chicago.
Miller Step Ladder Chairs. Austell Swing & Ladder Co., Austell, Ga.
Miller Switchstands and Fixtures. Cleveland Ry. Supply Co., Cleve., O.
Miller Tool Holders. Allman Gas Engine & Machine Co., New York.
Miller Trolley Shoes. Miller Trolley Shoe Co., Boston 21, Mass.
Miller Wagon Jacks. Lansing Co., Lansing, Mich.
Miller Water Softening System. Michigan Engineering Co., Detroit, Mich.
Miller Waterproofing Mining Cap Protectors. Hercules Powder Co., Wilmington, Del.
Miller's Anti-Siphon and Bath Traps. Miller Foundry & Specialty Co., North Tonawanda, N. Y.
Millers' Auto Tires, Vulcanizers. Charles E. Miller, Anderson Rubber Works, Anderson, Ind.
Miller's Bitumo Solution, Enamel, Cement. Leonard Miller, New York.
Miller's Falls Tools, Chucks, Vises, Saws, Wrenches, Bits, Etc. Mil-
Miller's Commodore Lubricating Oils and Greases. W. P. Miller Co., Booklyn, N. Y.
lers Falls Co., Dept. H, Millers Falls, Mass.
Miller's Tire Vulcanizers. Anderson Rubber Works, Anderson, Ind.
Miller's Wood Mortising Machinery. Miller Mfg. Co., Cincinnati, O.
Millers Falls Breast Drills. Millers Falls Co., Millers Falls, Mass.
Millers Ratchet Die Plates. Walworth Mfg. Co., Boston, Mass.
Millersburg Tools. Millersburg Reamer & Tool Co., Inc., Millersburg, Pa.
Millholland Screw Machines. W. K. Millholland Machine Co., Indianapolis, Ind.
Millholland Turret Lathes. Millholland Machine Co., Indianapolis, Ind.
Millionaire Adding Machines. W. A. Marschlauser, New York.
Millionite Scouring Powders. Vestal Chemical Co., St. Louis, Mo.
Mills Battery Connectors. Stackpole Carbon Co., St. Marys, Pa.
Mills Core Compounds. H. E. Mills Mfg. Co., Syracuse, N. Y.
Mills Metal Factrequipment. The Mills Co., Cleveland, O.
Mills Water Tube Boilers. The H. B. Smith Co., Westfield, Mass.
Mills Steam Heaters and Water Tube Boilers. H. B. Smith Co., Westfield, Mass.
Millspaugh Suction Rolls. Sandusky Fdry. & Mach. Co., Sandusky, O.
Milne Stump Pullers. Milne Mfg. Co., Monmouth, Ill.
Milo Canvas Stitched Belting, Pulley Covering and Garden Hose. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Milo Cotton Sheetings. B. B. & R. Knight, Inc., Providence, R. I.
Miloco Padlocks. The Miller Lock Co., Philadelphia, Pa.
Milonite Perfection Button Head Nail Tacks. Morley Button Mfg. Co., Portsmouth, N. H.
Milton Rubber Hose. Electric Hose & Rubber Co., Wilmington, Del.
Milton Semi-Finished Nuts. The Milton Mfg. Co., Milton, Pa.
Milton Shale Paving Blocks. Milton Brick Co., Milton, Pa.
Milton Steam Heaters. Freed Heater Co., Collegeville, Pa.
Milton Well Drilling Machinery. S. G. Mifton & Son, Franklin, Pa.
Milwaukee Auto Mufflers. Gemco Mfg. Co., Milwaukee, Wis.
Milwaukee All-Steel Shears. Doelger & Kirsten, Milwaukee, Wis.
Milwaukee Anti-Panic Door Equipment. Wm. B. Bolles, Milwaukee.
Milwaukee Automatic Cock Grinding Machine. Milwaukee Cock Grinding Co., Milwaukee, Wis.
Milwaukee Binder Twine, Corn Binders and Harvesters, Grain Binders, Mowers, Reapers, Sickle Grinders, Sulky Hay Rakes. International Harvester Company of America (Inc.), Chicago.
Milwaukee Bottle Corking Machines. U. S. Bottlers' Machy., Chicago.
Milwaukee Bronzer. C. B. Henschel Mfg. Co., Milwaukee, Wis.
Milwaukee Bung Branding Machines, Pitching Machines. Pawling & Harnischfeger Co., Milwaukee, Wis.
Milwaukee Carburetors. Milwaukee Auto Engine & Supply Co., Milwaukee, Wis.; Milwaukee Auto Specialty Co., Milwaukee, Wis.
Milwaukee Circulating Water Pumps. Cramer Mfg. Co., Milwaukee, Wis.
Milwaukee Concrete Mixers. Milwaukee Concrete Mixer, Milwaukee, Wis.
Milwaukee Cranes; Hoists; Horizontal Drilling and Boring Machines. Milwaukee Electric Crane & Mfg. Co., Inc., Milwaukee, Wis.
Milwaukee Cream Separators. Milwaukee Separator Mfg. Co., Milwaukee, Wis.
Milwaukee Die Cast and Bronze Back Babbitt Lined Bearings. Milwaukee Die Casting Co., Milwaukee, Wis.
Milwaukee Drill Press. Richards Machine Co., Milwaukee, Wis.
Milwaukee Dust Collectors. Sheet Metal Works Co., Milwaukee, Wis.
Milwaukee Extension Hangers. Milwaukee Corrugating Co., Milwaukee, Wis.
Milwaukee Feed Water Heaters. Nordberg Mfg. Co., Milwaukee, Wis.
Milwaukee Hardware. Milwaukee Stamping Co., West Allis, Wis.
Milwaukee Hay Carriers, Grapple Forks, Cattle Stanchions, Wire Stretchers. Milwaukee Hay Tool Co., Milwaukee, Wis.
Milwaukee Horizontal Boring and Drilling Machines. Milwaukee Elec. Crane & Mfg. Co., Milwaukee, Wis.
Milwaukee Ignition Timers, Senior Timers and Marine Timers. Milwaukee Auto Engine & Supply Co., Milwaukee, Wis.
Milwaukee Jute Express Bags. Milwaukee Bag Co., Milwaukee, Wis.
Milwaukee Lubricating Oil Storage Tanks, Waste Saturating Systems. Milwaukee Tank Wks., Milwaukee, Wis.
Milwaukee Metal Shaping Machinery. Lutter & Gies, Milwaukee, Wis.
Milwaukee Milling Machines. Kearney & Trecker Co., Milwaukee, Wis.
Milwaukee Reaming Machines. J. C. Busch Co., Milwaukee, Wis.
Milwaukee Row Locks. Wilcox-Crittenden & Co., Inc., Middletown, Conn.
Milwaukee Sand Mixing Machines, Sprue Cutters. Vulcan Engineering Sales Co., Chicago.
Milwaukee Scotch Pig Iron. Illinois Steel Co., Chicago.
Milwaukee Spark Timers for Fords. Milwaukee Motor Products Inc., Milwaukee, Wis.
Milwaukee Sprue Cutters. Hanna Engineering Works, Chicago.
Milwaukee Tool Grinders. Lutter & Gies, Milwaukee, Wis.
Milwaukee Ventilators. Milwaukee Corrugating Co., Milwaukee, Wis.
Mine-A-Phone Telephone. The Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y.
Minefab Concentration Table Covering. E. I. du Pont de Nemours & Co., Inc., Fabrikoid Division, Newburgh, N. Y.
Mine-ite Dynamite. Grasselli Powder Co., Cleveland, Ohio.
Miner Friction Draft Gears, Friction Buffers, Draft Rigging, Coupler Yokes, Coupler Centering Devices, Side Bearings, Safety Hand Brakes, Bolster Locking Center Pins, Center Plate Shims, Refrigerator and Heater Car Door Fasteners and Insulation, Vestibule Face Plate Supports, Running Board Saddles. W. H. Miner, Inc., Chicago.

Mineral-Cleaner Metal Cleaners. Electric Smelting & Aluminum Co., Lockport, N. Y.
Mineral Lard Cutting Oils. Union Petroleum Co., Philadelphia.
Mineralite Air Drill Hose. Electric Hose & Rubber Co., Wilmington, Del.
Mineralite Asphalt Roofing. Warren Chemical & Mfg. Co., New York.
Mineralite Rubber Hose. Electric Hose & Rubber Co., Wilmington, Del.
Minerallac Electrical Specialties. Minerallac Electric Co., Chicago.
Minerallac Insulating Compounds, Cable and Conduit Hangers. Minerallac Electric Co., Chicago.
Mineral Wax Carbon Papers and Inked Ribbons. Columbia Carbon Co., Dayton, Ohio.
Minerco Bond Papers. West Virginia Pulp & Paper Co., Inc., New York.
Miners Friend Explosives. Giant Powder Co., Cons., San Francisco.
Miners' All Work File. Delta File Works, Philadelphia, Pa.
Miners Friend Powder. Atlas Powder Co., Philadelphia, Pa.; Giant Powder Co., San Francisco, Cal.
Miner's Sunshine Safety Lamps, Torch Oils. Standard Oil Co. of N. Y., New York.
Minford Carbon Paper. Minford Ribbon & Carbon Co., New York.
Ming Tiles. American Encaustic Tiling Co., Ltd., New York.
Minier Window Cleaners. The Dayton Mfg. Co., Dayton, O.
Minimeter Precision Measuring Instruments. Norma Co. of America, Long Island City, N. Y.
Minneapolis Bag Trucks. The Lansing Company, Lansing, Mich.; Nutting Truck Co., Faribault, Minn.
Minneapolis Feed Cookers. R. R. Howell & Co., Minneapolis, Minn.
Minneapolis Heat Regulators and Thermostatic Relay Switches. Minneapolis Heat Regulator Co., Minneapolis, Minn.
Minneapolis Regulators. Minneapolis Heat Regulator Co., Minneapolis, Minn
Minneapolis Traction Engines. Minneapolis Threshing Machine Co., Hopkins, Minn.
Minnehaha Drinking Fountains. Kohler Co., Kohler, Wis.
Minnemeyer Fasteners. La Crosse Steel Roofing & Corrugating Co., La Crosse, Wis.
Minnesota Farm Wagons. Winona Wagon Co., Winona, Minn.
Minnesota Paints. Minnesota Linseed Oil Paint Co., Minneapolis.
Minnesota Seed Germinators. Specialty Mfg. Co., St. Paul, Minn.
Minnesota Stone Polishing Machinery. Granite City Iron Works Co., St. Cloud, Minn.
Minnich Waste Baling Presses. Minnich Machine Works, Landisville, Pa.
Minolard Cutting Oils. White & Bagley Co., Worcester, Mass.
Minor's Fluid Disinfectant. Minor Disinfectant Co., Cleveland, O.
Minral Stukko Composition Flooring and Wainscoting. Philadelphia Mineral Flooring & Products Co., Inc., Philadelphia, Pa.
Minrubite Proofing Preservative. National Roofing Co., Tonawanda, N. Y.
Min-Seed Paint Oils. Waverly Oil Works, Pittsburgh, Pa.
Minster Drilling Machines. Minster Machine Co., Minster, Ohio.
Minster Industrial Locomotives. Industrial Equipment Co., Minster, Ohio.
Minute Demountable Automobile Wheels. Hill-Smith Metal Goods Co., Boston.
Minute Valve Grinders. Newton Mfg. Co., Plainville, Conn.
Minwax Paints, Elastic Cements, Waterproofing Materials. Minwax Co., New York.
Minwax Protective Products. The Minwax Co., Inc., Chicago.
Mione Hand Soap. Mione Mfg. Co., Collingdale, Pa.
Mirac Paint and Varnish Remover. John Lucas & Co., Inc., Philadelphia.
Mirac-e Lubricants. Bertrand G. Desmond, Pittsburgh, Pa.
Miraclene Soap Powder. Hoosier Mfg. Co., Indianapolis, Ind.
Mirco Receivers and Amplifiers. Midwest Radio Co., Cincinnati, O.
Mirc's Fuel Oil Burning Furnaces. Mirc's Fuel-Oil Equipment Co., Lancaster, Pa.
Mireco Polishing Cloths. Mill Remnants Co., New York.
Mireco Wiping Cloths. Mill Remnants Co., New York.
Mirra Piston Pins. Warren F. Fraser Co., Westboro, Mass.
Mirrless-Watson Water Evaporators. Chas. Ordway, New York.
Mirro Aluminum Ware. Aluminum Goods Mfg. Co., Manitowoc, Wis
Mirror Hot Water Bottles and Syringes. Tyer Rubber Co., Andover, Mass.
Mirror Spinning Twister Rings. Draper Corp., Hopedale, Mass.
Misch Valve Grinders. Motch & Merryweather Machinery Co., Cleveland, Ohio.
Mirroscope Reflectors. Alexander Mirroscope Co., New York.
Mirum Oil Cups. Rich Mfg. Co., Boston, Mass.
Misch Valve Grinders. Motch & Merryweather Mach. Co., Cleveland, O.
Misco Babbitt Metal. Milwaukee Tack Co., Milwaukee, Wis.
Misco Tool Steel. McInnes Steel Co., Ltd., Corry, Pa.
Misener Rotary Hack Saws. Robert M. Irving, Syracuse, N. Y.
Misener Rotary Hack Saw and Safety Conduit Seals. Barnes & Irving, Inc., Syracuse, N, Y.
Missing Link Chain Links. Thos. Laughlin Co., Portland, Me.
Mission Brand Chemicals and Disinfectants. C. W. Hill Chemical Co., Los Angeles, Cal.
Mission Cement Plasters. Acme Cement Plaster Co., St. Louis, Mo.
Mission Maid Metal Household Goods. Herbst Bros., San Francisco.
Mission Red Roofing. Weaver Roof Co., Los Angeles, Cal.
Mission Ware Aluminum Goods. Western Aluminum Mfg. Co., Emeryville, Cal.
Mission Plaster and Stucco. Acme Cement Plaster Co., St. Louis.
Mission Stucco. Martin Co., San Francisco.
Mississippi Gauge Cocks. Wm. Powell Co., Cleveland, Ohio.
Mississippi Hoes. Am. Fork & Hoe Co., Cleveland, Ohio.
Mississippi Inner Tubes. Mississippi Valley Rubber Co. Iowa City, Iowa.
Mississippi Pearl Buttons. Automatic Button Co., Muscatine, Ia.
Mississippi Planers and Matchers. Hall & Brown Woodworking Machine Co., St. Louis, Mo.
Mississippi Wire Glass. Mississippi Wire Glass Co., New York.
Missouri Fire Extinguishers. Missouri Lamp & Mfg. Co., St. Louis.
Missouri Grain Drills. Genesee Valley Mfg. Co., Mount Morris, N. Y.
Missouri White Lead. Wm. Waterall & Co., Camden, N. J.
Missouri Car Doors. Western Railway Equipment Co., St. Louis, Mo.
Missouri Crayons Soapstone. Zelnicker Supply Co., St. Louis, Mo.
Mist Sprinkler Hose. Electric Hose & Rubber Co., Wilmington, Del.
Mistic Paint and Varnish Removers. J. A. & W. Bird Co., Boston, Mass.
Mistokleen Polish. Crew Levick Co., Philadelphia, Pa.
Misto Kloths Cleaning Cloths. Crew Levick Co., Philedalphia, Pa.
Mist-Oil Oil Preparation. Magic Mist, Inc., New York.
Mistry Jr. Spray Nozzle. Goulds Mfg. Co., Seneca Falls, N. Y.
Mistry Spray Nozzles and Pumps. Goulds Mfg. Co., Seneca Falls, N. Y.
Mistry Spray Nozzles. Goulds Mfg. Co., Seneca Falls, N. Y.
Mitchell Automobile Engines. Mitchell Motors Co., Racine, Wis.
Mitchell Carriers. Mitchell Mfg. Co., Milwaukee, Wis.
Mitchell Electric Vibrating Screen. Stimpson Equipment Co., Salt Lake City, Utah. C. W. Hunt Co., Inc., West New Brighton, N. Y.
Mitchell Core Barrel Diamond Drills. International Diamond Drill Co., San Francisco.
Mitchell Farm Wagons. Ft. Smith Wagon Co., Ft. Smith, Ark.
Mitchell Fire Extinguishers. Badger Chemical Mfg. Co., Milwaukee.
Mitchell Metallic Packing. Paxton-Mitchell Co., Omaha, Nebr.
Mitchell Motor Cars. Mitchell Motors Co., Inc., Racine, Wis.
Mitchell's Peerless Pail Clasps. Consolidated Steel Strapping Co., Chicago, Ill.
Mitco Interlocking Gratings. Mitchell-Tappen Co., New York.
Mite Grease Cups. Lunkenheimer Co., Cincinnati, Ohio.
Mitiwanga Molding Sands. J. K. Boehm, Huron, O.
Miusa Toilet Paper. Union Paper & Twine Co., Cleveland, O.
Mixermobile Concrete Mixers. Milwaukee Concrete Mixer Co., Milwaukee, Wis.
Mixobeater Bread and Mayonnaise Mixers. Fitchburg Mach. Works, Fitchburg, Mass.
Mixter Champion Saw Gummers. J. W. Mixter Saw Tool Co., Plymouth, Mass.
Mixter Cutters. Indicators, Picks, Swages, Saw Tools. J. W. Mixter Saw Tool Co., Plymouth, Mass.
Moback Plain Milling Machine Counterboxes, Reamers, Cutters, Vises. Moback Tool & Mfg. Co., Boston.
Mobelt Leather Belting. Missouri Belting Co., St. Louis, Mo.
Moberg Die Castings. C. J. Moberg, Inc., Mount Vernon, N. Y.
Mobilene Sheet Packing. Johns-Manville, Incorporated, New York.
Mobiloil Lubricating Oils and Greases. Valvoline Oil Co., Cincinnati.
Mobiloil Lubricating Oils. Vacuum Oil Co., New York.
Mobilubricant Lubricating Oils. Vacuum Oil Co., New York.
Mobo Auto Soap. John T. Stanley Co., Inc., New York.
Mockingbird Steam Whistles. Lunkenheimer Co., Cincinnati, O.
Moco Pottery. Mohawk Clay Products Co., Perryville, Ohio.
Mococo Nitric Acid, Sulphate of Copper. Mountain Copper Co., San Francisco.
Mococo Superphosphate, Sulphate of Copper. Mountain Copper Co., San Francisco.
Model, Air, Water, Steam and Suction Hose and Packing. Mulconroy Co., Philadelphia.
Model B & E Windmills. U. S. Wind Engine & Pump Co., Batavia, Ill.
Model B. Lightning Arresters. General Railway Signal Co., Rochester, N. Y.
Model Belting. Jos W. Stokes Rubber Co., Trenton, N. J.
Model Belting, Hose and Packing. Empire Tire & Rubber Corp., Trenton, N. J.
Model Boiler Injectors. Henry B. Pancoast Co., Philadelphia.
Model Boilers. Radiators and Valves. Richmond Radiator Co., Philadelphia, Pa.
Model Crank Pin Oilers. American Lubricator Co., Detroit, Mich.
Model Coal Chutes. Richards Iron Works, Manitowoc, Wis.
Model Door Hangers. Richards-Wilcox Mfg. Co., Aurora, Ill.
Model Farm Trucks. Abingdon Wagon Co., Abingdon, Ill.
Model 5, Form A. Switch Circuit Controllers. General Railway Signal Co., Rochester, N. Y.
Model Flange Clamps. M. B. Skinner Co., Chicago.
Model French Buhr Stone Mills. Nordyke & Marmon Co., Indianapolis, Ind.
Model Furnace. American Foundry & Casting Co., Dayton, O.
Model Furnaces and Stoves. Home Stove Co., Indianapolis, Ind.
Model Harness Snaps. Covert Saddlery Works, Interlaken, N. Y.
Model Harrows. Standard Harrow Co., Utica, N. Y.
Model Lemon Squeezers. A. C. Williams Co., Ravenna, Ohio.
Model Log Loaders. Goodyear Lumber Co., Buffalo, N. Y.
Model Lubricators. American Lubricator Co., Detroit, Mich.
Model No. 1 Water Filters. Jones Mfg. Co., Boston.
Model No. 2 Water Filters. Jones Mfg. Co., Boston.
Model Plows. Kingman Plow Co., Peoria, Ill.
Model Riding Drills and Listers. Peru Plow & Wheel Co., Peru, Ill.
Model Steam Heaters. Model Heating & Engineering Co., Phila.
Model Star Valves. Wm. Powell Co., Cincinnati, O.
Model Steel Tools. Toledo Metal Furniture Co., Toledo, Ohio.
Model Six Step Auto Ladders. Bicycle Step Ladder Co., Chicago.
Model 2A Highway Crossing Signals, Dwarf Semaphore Signals, Electric Motor Signal Mechanical. General Ry. Signal Co., Rochester, N. Y.
Model Woven Wire Fencing. American Wire Fence Co., Chicago.
Modeline Modeling Clays. Novitas Sales Co., Waltham, Mass.
Modelit Toy Metal Building Materials. Watrous Mfg. Co., East Hampton, Conn.
Modern Baling Presses; Waste Cans. Economy Baler Company, Ann Arbor, Mich
Modern Brand Hardwood Flooring. Herman H. Hettler Lumber Co., Chicago.
Modern Clutch Pencils, Pen and Paper Clips and Fasteners and Thumb Tacks. Hoge Mfg. Co., New York.
Modern Collapsible Tap, Self Opening Dies and Tapping Attachments. Consolidated Mach. Tool Corp. of Amer., Rochester, N. Y.
Modern Drilling Attachments. Modern Tool Co., Erie, Pa.
Modern Duplicators Clay Process. Durkin, Reeves & Co., Pittsburgh.
Modern Foundry Molding Machines. Arcade Mfg. Co., Freeport, Ill.
Modern Hero Sweep Horse Powers. Appleton Mfg. Co., Batavia, Ill.
Modern Leader Baling Presses. Logemann Bros. Co., Milwaukee.
Modera Leather Belting. Missouri Belting Co., St. Louis, Mo.
Modern Marine Boilers. Johnston Brothers, Ferrysburg, Mich.
Modern Meter and Valve Boxes. Modern Iron Wks., Quincy, Ill.
Modern Method Car Finishing System. The Sherwin-Williams Co., Cleveland, O.
Modern Molding Machines. Arcade Mfg. Co., Freeport, Ill.
Modern Pistons. Modern Electric & Machine Co., Indianapolis, Ind.
Modern Range Boilers. Hayes Mfg. Co., Paterson, N. J.
Modern Stove Fronts. International Steel & Iron Co., Inc., Evansville, Ind.
Modern Water Filters. Jones Mfg. Co., Boston, Mass.
Modern Weave Belting. Modern Weaving & Belting Co., Buffalo, N. Y.
Modified Eureka Laundry Starch. Corn Products Refining Co., New York.
Modoc Belting. Goodall Rubber Co., Philadelphia, Pa.
Modoc Brass Polish. Modoc Co., Philadelphia.
Modoc Journal Lubricant and Gear Grease. Modoc Company, Fernwood, Pa.
Modoc Leather Belting. Byrnes Belting Co., St. Louis, Mo.
Modoc Trolley Clamps. Ohio Brass Co., Mansfield, Ohio.
Mogue Leather Belting. McLeod Leather & Belting Co., Greensboro, N. C.

Modus Baths. Crane Co., Chicago.
Mogul Babbitt Metal, Bearing Alloys and Bearings. Muzzy-Lyon Co., Detroit, Mich.
Mogul Candelabra Receptacles. Arrow Electric Co., Hartford, Conn.
Mogul Conduiets. Crouse-Hinds Co., Syracuse, N. Y.
Mogul Die Cast Castings. Muzzy Lyon Co., Detroit, Mich.
Mogul Draft Springs. Robert F. Wilson, Newark, N. J.
Mogul Gas Engines. Woodmanse Mfg. Co., Freeport, Ill.
Mogul Gasoline Blow Torches. Turner Brass Works, Sycamore, Ill.
Mogul Grease Cups. Wm. Powell Co., Cincinnati, Ohio.
Mogul Hose. United States Rubber Co., New York.
Mogul Lawn Swings. Forbes Mfg. Co., Hopkinsville, Ky.
Mogul Nippers. McConnell Boiler & Iron Works, Des Moines, Ia.
Mogul Packing. Johns-Manville, Incorporated, New York.
Mogul Reinforced Car Ends. The Pressed Steel Mfg. Co., Chicago.
Mogul Spark Plugs. Stitt Ignition Co., Columbus, O.
Mohair Velvets Plushes. L. C. Chase & Co., Boston.
Mohawk Belt Dressing. Ulmer Leather Co., Norwich, Conn.
Mohawk Belting. Gutta Percha & Rubber Mfg. Co., New York.
Mohawk Extra High Speed Steel. Ludlum Steel Co., Watervliet, N. Y.
Mohawk Flint Paper. Manning Abrasive Co., Inc., Troy, N. Y.
Mohawk Gasoline Engines. S. R. Mfg. Co., Schenectady, N. Y.
Mohawk Grinding Paste. Grinding Paste Mfg., Albany, N. Y.
Mohawk Hot Box Cooling Compound. Argyle Railway Supply Co., Chicago.
Mohawk Knitted Hats, Sweaters and Caps. McLaughlin Textile Corp., Utica, N. Y.
Mohawk Leather Belting. Plant Rubber Co., Minneapolis, Minn.
Mohawk Marine Engines. S. & R. Mfg. Co., Schenectady, N. Y.
Mohawk Parting Compounds. Keystone Foundry Supply Co., Buffalo.
Mohawk Radio Sets. Mohawk Electric Corp., Chicago.
Mohawk Sheets and Pillow Cases. Utica Steam & Mohawk Valley Cotton Mills, Utica, N. Y.
Mohawk Reclaimed Rubber. U. S. Rubber Reclaiming Works, New York.
Mohawk Shoe Blacking and Polishes. A. F. Cox & Son, Portland, Me.
Mohawk Tires. The Mohawk Rubber Co., Akron, O.
Mohawk Water Paint. A. Hillborn Knight, Philadelphia, Pa.
Mohco Chemicals. Marden, Orth & Hastings Co., New York.
Mohegan Waterproof Cement. The Ulmer Leather Co., Norwich, Conn.
Mohican Pencils. United States Pencil Company, Philadelphia, Pa.
Mohican Rubber Packing. Manhattan Rubber Mfg. Co., Passaic, N. J.
Mohigan Garden Hose. Hewitt Rubber Co., Buffalo, N. Y.
Mohn Drilling Machine Vises. W. D. Mohn & Co., Reading, Pa.
"Mohrlite" Lighting Fixtures. Mohrlite Company of America, The. Nashville, Tenn.
Mola Lenses. Allendorf Co., Cleveland, Ohio.
Molander Water Tube Boilers, Sawdust Burners and Bull Chains. American Boiler & Iron Works, Everett, Wash.
Molby Magazine Feed Downdraft Boilers. Molby Boiler Co., New York.
Molder Foundry Molding Machines. Browne & Donald, Inc., Maspeth, N.Y.
Mole Tire and Axle Shrinkers. Illinois Iron & Bolt Co., Carpentersville, Ill.
Mole Tire Shrinkers. Rockford Mfg. Co., Rockford, Ill.
Moline Agricultural Implements. Moline Plow Co., Moline, Ill.
Moline Car Pullers. Barnard & Leas Mfg. Co., Moline, Ill.
Moline Drills. Moline Plow Co., Moline, Ill.
Moline Pullers and Turbines. Barnard & Leas Mfg. Co., Moline, Ill.
Moline Pumping Jacks. Ottumwa-Moline Engine & Pump Co., Ottumwa, Ia.
Moline Knocker Potato-Diggers. Moline Plow Co., Moline, Ill.
Moline-McCormick Turbine Water Wheels. Barnard & Leas Mfg. Co., Moline, Ill.
Moline Orchard Narrow Sulky Attcahments. Moline Plow Co., Moline, Ill.
Moline Row-Locks. Wilcox Crittenden & Co., Inc., Middletown, Conn.: Thos. Laughlin Co., Portland, Me.
Moline Scales. (Repairs only.) Fairbanks, Morse & Co., Chicago.
Moline Upsetting and Forging Machinery. Williams, White & Co., Moline, Ill.
Moline Upsetting and Forging Machines. Williams, White Co., Moline, Ill.
Moline Two-Way Plows. Moline Plow Co., Moline, Ill.
Moline Universal Gasoline, Traction Engines. Moline Plow Co., Moline, Ill.
Moline Vapor Heater. Moline Vacuum Vapor Heating Co., Moline, Ill.
Moline Giant Seeders and Sowers. Moline Plow Co., Moline, Ill.
Molly Stark Mop Wringers. Bennington Scale Co., Bennington, Vt.
Molmanite Varnish. Moller & Schumann Co., Brooklyn, N. Y.
Moloch Automatic Stokers. Moloch Company, Kaukauna, Wis.
Moloney Transformers. Moloney Electric Co., St. Louis, Mo.
Moltrup's Screw Steel. Moltrup Steel Products Co., Beaver Falls, Pa.
Momeco Windshields. Missouri Motor Equipment Corp., St. Louis, Mo.
Momus Pencils. United States Pencil Company, Philadelphia, Pa.
Monaca Drill Rods. Pittsburgh Tool Steel Wire Co., Monaca, Pa.; Standard Steel & Wire Company, Chicago.
Monad Paints and Varnishes; Paint and Varnish Remover. Atlantic Drier & Varnish Co., Philadelphia, Pa.
Monahan Sewer and Trench and Excavating Machines. W. J. Heggie, Joliet, Ill.
Mona Lisa Crayons. Koh-I-Noor Pencil Co., New York.
Monamobile Auto Oils and Transmission Grease. Monarch Mfg. Co., Council Bluffs, Ia.
Monarch-Acme Core Ovens. Monarch Engng. & Mfg. Co., Baltimore, Md.
Monarch All-Metal Weather Strips. Monarch Metal Weather Strip Co., St. Louis, Mo.
Monarch Ammeters and Voltmeters. Hercules Instrument Co., Mt. Vernon, N. Y.
Monarch Annealing, Assayers; Bullion, Case Hardening, Melting, Reducing, Refining, Reheating, Tinning and Welding Furnaces, Fuel Oil Burners and Pressure Blowers. Monarch Eng. & Mfg. Co., Baltimore, Md.
Monarch Annular Bearing. Hess Bright Mfg. Co., New York.
Monarch-Arundel Core Ovens. Monarch Engng. Mfg. Co., Baltimore, Md.
Monarch Asbestos Blocks and Pipe Coverings. The Franklin Mfg. Co., Franklin, Pa.
Monarch Asphalt Shingles. Stowell Mfg. Co., Jersey City, N. J.
Monarch Auto Anti-Draft and Rain Shield; Radiator and Hood Covers. The Monarch Carriage Goods Co., Cincinnati, O.
Monarch Axes. Am. Axe & Tool Co., Glassport, Pa.
Monarch Babbitt Metal. Nassau Smelting & Refining Works, N. York.
Monarch Ball Metal. Monarch Metal Co., Chicago.
Monarch Bath Tubs. Sanitas Mfg. Co., Boston, Mass.
Monarch Bell Ladle Heaters. Monarch Engng. & Mfg. Co., Baltimore, Md.
Monarch Boilers. Wm. H. Page Boiler Co., New York.
Monarch Brake Beams. Chicago Railway Equipment Co., Chicago.
Monarch Brake Shoes. Railway Materials Co., Chicago.
Monarch Brass Air Cocks, Rotary Bilge Pumps, Circuit Breakers, Spark Coils, Stuffing Boxes, Air and Check Valves. Monarch Valve Co., Brooklyn, N. Y.
Monarch Bronze Sash, Transom Chains. Bridgeport Chain Co., Bridgeport, Conn.
Monarch Canvas Wheels. A. P. Munning & Co., New York.
Monarch Car Couplers. Monarch Steel Casting Co., Detroit, Mich.
Monarch Carriage Curtain Lights, Carriage Top Props and Roll-up Straps. Monarch Carriage Goods Co., Cincinnati.
Monarch Carriage Fasteners. Enterprise Brass & Plating Co., Cincinnati.
Monarch Cement. Lawrence Co., Siegfried, Pa.
Monarch Clothes Racks. Cassady Fairbanks Mfg. Co., Chicago.
Monarch Coachmakers' and Machinists' Vises. Prentiss Vise Co., New York.
Monarch Concrete Building Block Machinery. Cement Machinery Co., Jackson, Mich.
Monarch Concrete Inserts. Philadelphia Expansion Bolt Co., Phila.
Monarch Corliss Engines. Platform or Wagon Scales, Stock Scales, Track Scales. N. H. Strait Mfg. Co., Kansas City, Mo.
Monarch Corn and Cob Mills, Corn Shellers, Portable Grain Elevators, Feed Grinding, Attrition, French Buhr, Emery, Rock and Oil Cake Mills. Sprout, Waldron & Co., Muncy, Pa.
Monarch Couplers, Draft Gear or Rigging and Steel Castings. **Monarch** Steel Castings Co., Detroit, Mich.
Monarch Cream Separators. Lisle Mfg. Co., Clarinda, Ia.
Monarch Cultivators. Racine-Sattley Co., Springfield, Ill.
Monarch Diamond Lubricants. Monarch Diamond Oil Co., Berkeley, Cal.
Monarch Diaphragm Screens. Baker Mfg. Corp., Saratoga Spgs., N. Y.
Monarch Disc Sharpeners. Murray Iron Works Co., Burlington, Ia.
Monarch Dough Mixing and Kneading Machines. Baker's Sons. J. & Perkins Co., Inc., White Plains, N. Y.
Monarch Engine Lathes. Monarch Machine Co., Sidney, O.
Monarch Engine Stops. Consolidated Engine Stop Co., New York.
Monarch Engines. Grand Rapids Gas Engine & Yacht Co., Grand Rapids, Mich.
Monarch Ensilage and Alfalfa Cutters. Silver Mfg. Co., Salem, O.
Monarch Flushing Valves and Brass and Lead Traps. Monarch Brass Co., Cleveland.
Monarch Eureka Bodies. The Thomas Wright Co., Inc., Jersey City, N. J.
Monarch Farm Trucks. International Harvester Company of America, Inc., Chicago.
Monarch Filters. Hygeia Filter Co., Detroit, Mich.
Monarch Fuse. E. I. du Pont de Nemours & Co., Inc., Explosives and Smokeless Powder Depts., Wilmington, Del.
Monarch Gasoline Stoves, Gas and Oil Stoves and Heaters. Excelsior Stove & Mfg. Co., Quincy, Ill.
Monarch Governors. Monarch Governor Co., Detroit, Mich.
Monarch Harrows, Hay Tedders. Ohio Rake Co., Dayton, O.
Monarch Hatchets. Grey Iron Casting Co., Mt. Joy, Pa.
Monarch Heaters. Pittsburgh Water Heater Co., Pittsburgh, Pa.
Monarch Heating Kettles. Good Roads Machy. Co., Inc., Kennett Square, Pa.
Monarch Hickory, Axe, Pick, Hammer, Sledge and Shovel Handles. United Handle Mills, New York.
Monarch Hot Air Furnaces. Forest City Fdry. Mfg. Co., Cleveland.
Monarch Hydrated Lime. National Lime & Stone Co., Carey, O.
Monarch Ice Cream Freezers. J. W. Allen & Co., Chicago.
Monarch Iron Stove Pipe. Grunden Martin Mfg. Co., St. Louis, Mo.
Monarch Ironing Machines. Adams Laundry Machinery Co., Troy, N.Y.
Monarch Junior Core Ovens. Monarch Engng. & Mfg. Co., Baltimore, Md.
Monarch Lathes. The Monarch Machine Tool Co., Sidney, O.
Monarch Lawn Swings. Challenge Co., Batavia, Ill.; Western Wheel Barrow & Mfg. Co., South Fort Smith, Ark.
Monarch Lubricating Oils and Greases. Swan & Finch Co., N. York.
Monarch Lubricators. Lunkenheimer Co., Cincinnati, O.
Monarch Malleable Iron Stoves and Ranges. Malleable Iron Range Co., Beaver Dam, Wis.
Monarch Malleable Ranges. Malleable Iron Range Co., Beaver Dam, Wis.
Monarch Metal Screens, Trays, Weather Strips, Casement Fixtures, Adjustable Auto Visors, Draft Breaks, Etc. Monarch Metal Products Co., St. Louis, Mo.
Monarch Melting Furnaces. Monarch Eng'g & Mfg. Co., Baltimore, Md.
Monarch Oil Stoves. Am. Can Co., New York.
Monarch Oil and Greases, Gums and Hydraulic Presses. Monarch Mfg. Co., Council Bluffs, Ia.
Monarch Packing. A. W. Chesterton Co., Boston.
Monarch Padlock Locks. U. S. Lock & Hdwe. Co., Columbia, Pa.
Monarch Paints. Martin-Senour Co., Chicago.
Monarch Portland Cements. Lawrence Cement Co., New York.
Monarch Power Bender. Kane & Roach, Syracuse, N. Y.
Monarch Pumps. Goulds Mfg. Co., Seneca Falls, N. Y.
Monarch Proofer Bakers' Machines. J. Baker's Sons & Perkins Co., Dept. H., White Plains, N. Y.
Monarch Pumps and Castings. Monarch Fdry. Co., Stockton, Cal.
Monarch Ratchets. Keystone Mfg. Co., Buffalo, N. Y.
Monarch Renewable Fuses. Monarch Refillable Fuse Co., Buffalo, N. Y.
Monarch Road Rollers. Good Roads Machy. Co., Inc., Kennett Square, Pa.
Monarch-Rockwell Annealing, Assayers; Bullion, Case Hardening, Melting, Reducing, Refining, Reheating, Tinning, and Welding Furnaces. Monarch Engng. & Mfg. Co., Baltimore, Md.
Monarch Root Cutters. Donaldson Bros., Mt. Clemens, Mich.
Monarch Ropes. Macomber & Whyte Rope Co., Kenosha, Wis.
Monarch Rubber Tires. Monarch Tire Co., Hartville, O.
Monarch Safety Fuse. E. I. du Pont de Nemours & Co., Inc., Explosives and Smokeless Powder Depts., Wilmington, Del.
Monarch Sash Operating Devices. Payson Mfg. Co., Chicago.
Monarch Saw Sets. Hy. Disston & Sons, Tacony, Philadelphia.
Monarch Scales. (Repairs only.) Fairbanks, Morse & Co., Chicago.
Monarch Smokeless Boilers. W. H. Page Boilers Co., New York.
Monarch Soot Blower. The Monarch Soot Remover Co., Inc., Wollaston, Mass.
Monarch Spark Plugs. Benford Mfg. Co., Mt. Vernon, N. Y.
Monarch Spice Mills. Wrightsville Hdwe. Co., Wrightsville, Pa.
Monarch Steam Heaters. Wm. H. Page Boiler Co., New York.
Monarch Steam Road Rollers. American Road Machinery Co., Kennett Square, Pa.
Monarch Steel Hardening Solution. C. A. Mosso, Laboratories, Chicago.
Monarch Steel Tempering Compound. A. J. Hemphill Co., Inc., New York.

Monarch Step Ladders. Pratt Mfg. Co., Coldwater, Mich.; Superior Ladder Co., Goshen, Ind.
Monarch Straw Dispensers. Coe Mfg. Co., New York.
Monarch Sugar Cane Mills. C. S. Bell Co., Hillsboro, O.
Monarch Sunshine Steam Heaters. Reading Scale & Machine Co., Reading, Pa.
Monarch Tack Claws and Pulleys. Bradley & Farnham, Middlefield, Conn.
Monarch Tank Heaters, Windmills. Celina Mfg. Co., Celina, O.
Monarch Tin Hand Lanterns. R. E. Dietz Co., New York.
Monarch Tire Benders. Kane & Roach, Syracuse, N. Y.
Monarch Tool Steel. Schrock & Squires, New York.
Monarch Track Cleaners. Ohio Brass Co., Mansfield, O.
Monarch Tripley Potato Sprayer. Field Force Pump Co., Dept. H, Elmira, N. Y.
Monarch Typewriters. Remington Noiseless Typewriter Corp.,New York.
Monarch Varnishes, etc. Chas. H. Gillespie & Sons, Jersey City, N. J.
Monarch Wall Plaster and Finish. Wasem Plaster Co., Ft. Dodge, Ia.
Monarch Water Heaters. American Stove Co., St. Louis, Mo.
Monarch Water Supply Systems. Monarch Engineering Co., Dayton, O.
Monarch Weatherproof Wire, Flexible Cords and Copper Insulated Wire. Monarch Electric & Wire Co., Chicago.
Monarch Well Drillers. Gus Pech Foundry & Mfg. Co., Le Mars, Ia.
Monarch Wire Butcher Block Brush. Worcester Brush & Scraper Co., Worcester, Mass.
Monarch Woven Wire Fences. Keystone Steel & Wire Co., Peoria, Ill.
Monash Steam Separators, Valves, Radiator Shields, Steam Traps. Monash-Younker Co., Chicago.
Monash Thermostatic Valves. Monash Engineering Co., Chicago.
Monastery Stain. The Patterson-Sargent Co., Cleveland, O.
Monatiquot Reclaimed Rubber. Monatiquot Rubber Works Co., S. Braintree, Mass.
Monax Glass Globes, Shades, Etc. Macbeth Evans Glass Co., Pittsburgh, Pa.
Monce's Novelty Glass Cutters. S. G. Monce, Inc., Unionville, Conn.
Moncrief Pipeless Furnaces. Henry Furnace & Fdry. Co., Cleveland.
Moncrieff's Gauge Glasses. H. A. Rogers Co., New York.
Money-Maker Baling Presses and Ensilage Cutters and Rice Threshers. Swayne, Robinson & Co., Richmond, Ind.
Monel Metal Resistance Wire. Driver-Harris Wire Co., Harrison, N. J.
Monessen Barbed Wire. Pittsburgh Steel Co., Pittsburgh, Pa.
Moneyback Lawn Mowers. Blair Mfg. Co., Springfield, Mass.
Monighan Drag Line Excavators. Monighan Machine Co., Chicago.
Monitor Ash and Garbage Cans. Central Stamping Co., New York.
Monitor Barn Cupalos. B. F. Litchy & Son, Waterloo, Ia.
Monitor Belting, Hose, Packing. Empire Tire & Rubber Corp., Trenton, N. J.
Monitor Boiler Injectors. Nathan Mfg. Co., New York.
Monitor Book Binders' Machinery. Latham Machinery Co., Chicago.
Monitor Cane Mills. C. S. Bell Co., Hillsboro, O.
Monitor Canning, Coffee Polishing, Flour Mill, Grain Cleaning Machines, Etc. Huntley Mfg. Co., Silver Creek, N. Y.
Monitor Car Truck and Body Bolsters. Chicago Railway Equipment Co., Chicago.
Monitor Clothes Washing Machines. Huenergardt Mfg. Co., Lincoln, Neb.
Monitor Combination Gas Water Heater. General Water Heater Corp., Los Angeles, Cal.
Monitor Controller System. Monitor Controller Co., Baltimore, Md.
Monitor Corn and Cob Mills, Gasoline Engines, Windmills, Pump Cylinders and Wood Tanks. Baker Mfg. Co., Evansville, Wis.
Monitor Electric Bells. Manhattan Electrical Supply Co., N. York.
Monitor Engines, Pumps, Sawing Machines, Towers and Windmills. Baker Mfg. Co., Evansville, Wis.
Monitor Extractors, Purifiers and Separators. **Jarvis Engine & Machine Works,** Lansing, Mich.
Monitor Feed Water Heaters, Oil Extractors. Jarvis Engine & Machine Works, Lansing, Mich.
Monitor Filters. Hygeia Filter Co., Detroit, Mich.
Monitor Furnaces and Registers. Keith Furnace Co., Des Moines, Ia.
Monitor Gas Mixers. Cullen & Atkinson Co., Hartford, Conn.
Monitor Gas Ranges. Monitor Stove Co., Cincinnati.
Monitor Grain Drills, Rice Planting Drills, Seeders and Sowers. Moline Plow Co., Moline, Ill.
Monitor Grain, Rice, Coffee, Peanut and Canning Machinery. Huntley Mfg. Co., Silver Creek, N. Y.
Monitor Green Pea Cleaning and Grading Machines. Sprague Canning Machinery Co., Chicago.
Monitor Hand Carts. Frank J. Aubeuf, Oneida, N. Y.
Monitor Heaters and Radiators. Monitor Bi-Loop Radiator Co., Lancaster, Pa.
Monitor Hose Nozzles. Andrew J. Morse & Son (Inc.), Boston.
Monitor Ice Cream Freezers. Thomas Mills & Bro., Philadelphia.
Monitor Injectors. Nathan Manufacturing Company, New York.
Monitor Laundry Machinery. American Ldry. Machy. Co., Cincinnati.
Monitor Levels and Transits. C. L. Berger Sons, Boston.
Monitor Packing. Allen Packing Co. (Est. of), Collingswood, N. J.
Monitor Pasteurizing Machines. Loew Mfg. Co., Cleveland.
Monitor Plow Steel Rope. American Steel & Wire Co., Chicago.
Monitor Portable Lamp Guards. McGill Mfg. Co., Valparaiso, Ind.
Monitor Power and Irrigating Pumps. Humphreys Mfg. Co., Mansfield, O.
Monitor Range Boilers. Walls, Owen & Stambach Co., Philadelphia.
Monitor Sash Locks. Champion Hardware Co., Geneva, O.
Monitor Six Motor Cars. The Monitor Motor Car Co., Columbus, O.
Monitor Steam Traps. Lawler Regulator Co., New York.
Monitor Sugar Cane Mills. C. S. Bell Co., Hillsboro, O.
Monitor Turbine Water Wheels. Lane Mfg. Co., Montpelier, Vt.
Monitor Type Transits and Levels. C. L. Berger & Sons, Boston, Mass.
Monitor Well Augers. Gustave Pech Fdry. & Machine Co., LeMars, Ia.
Monitor Wood Sawing Machines. Greendale Gas Engine Co., Worcester, Mass.
Monkey Grip Patches. Moco Laboratories, Oklahoma City, Okla.
Monkey-Shine Metal Polish. Hazen-Brown Co., Boston.
Monk's Moulders' Tools. Oscar Barnett Fdry. Co., Irvington, N. J.
Monmouth Cultivators. Monmouth Plow Factory, Monmouth, Ill.
Monnot Copper Clad Steel, Silver Plated Steel, Copper Wire. Duplex Metal Co., Chester, Pa.
Mono Combustion Recorders. Mono Corp. of America, New York.
Monobel Permissible Explosive for Coal Mining. E. I. du Pont de Nemours & Co., Inc., Explosives and Smokeless Powder Depts., Wilmington, Del.
Monocar One Man One-Rail Track. Aldobilt Company, Chicago.
Monocaste Concrete Reinforcement. W. N. Wight & Co., New York.
Mon-O-Co Petroleum Products. Montana Oil Co., Helena, Mont.
Monocoil Motor Electric Toys. C. D. Wood Electric Co., New York.
Monogram Automatic Locking Radiator Cap. General Automotive Corp., Chicago.
Monogram Belt Lacing. Nat'l Leather Mfg. Co., Niles, Mich.
Monogram Conveyor Belting. Hewitt Rubber Co., Buffalo, N. Y.
Monogram Enameled Ware. John Dunlap Co., Carnegie, Pa.
Monogram Gate Valves. Star Brass Mfg. Co., Boston, Mass.
Monogram Hot Water Heaters. Hopson & Chapin Mfg. Co., New London, Conn.
Monogram Oils and Greases. New York Lubricating Oil Co., New York.
Monogram Paints. Watson Co., Geo. E., Chicago.
Monogram Stitching Wire. The Chicago Steel & Wire Co., Chicago.
Monogram Train Pipe Brake. Guilford S. Wood Company, Chicago.
Monograph Feed Water Purifiers. Berry Engineering Co., Chester, Pa.
Monolac Varnishes. Chas H. Gillespie & Sons, Jersey City, N. J.
Monolastic Blocks and Slabs. Anglo-American Petroleum Products Co., Ltd., London, Eng.
Monolene Corn and Cottonseed Oils. Bakers Products Co., Cleveland.
Mono-Line-Refractory Sand. Quigley Furnace Specialties Co., New York.
Monolith Sanitary Flooring. American Monolith Co., Milwaukee.
Monometer Printers' Melting Furnace. Monarch Enginering & Mfg. Co., Baltimore, Md.
Monona Printing Machinery. Wisconsin Fdry. & Mach. Co., Madison, Wis.
Monongahela Boiler Tubes. Monongahela Tube Co., Pittsburgh, Pa.
Monongahela Valley Miners' Lamps. Hero Mfg. Co., Philadelphia.
Monopivot Indicators, Galvanometers and Bridges. Wilson-Maeulen Co., New York.
Monoplane Steering Sleds. Carriage & Toy Co., Baltimore, Md.
Monoplex Automobile Horns. Kent Atwater Mfg. Wks., Philadelphia.
Monopole Oil. Jacques Wolf & Co., Passaic, N. J.
Monotype Composing, Type and Rule Casting Machine. Lanston Monotype Machine Co., Philadelphia, Pa.
Monroe Calculating-Adding Machines. Monroe Calculating Machine Co., New York.
Monroe Motor Cars. Monroe Motor Co., Pontiac, Mich.
Monroe Partitions. Monroe Screen-Blind Partition Co., Lima, O.
Monroe Vitroware Lavatories. Crane Company, Chicago.
Monson Slate. Portland-Monson Slate Co., Portland, Me.
Montague Ribbon Print Addressing Machines. Stickney & Montague, Chattanooga, Tenn.
Montamower Lawn Mower and Hose Reels. Montague Mfg. Co., Richmond, Va.
Montana Belting. Gutta Percha & Rubber Mfg. Co., New York.
Montauk Hose. Gutta Percha & Rubber Mfg. Co., New York.
Montauk Paints. Montauk Paint Mfg. Co., Brooklyn, N. Y.
Monte Wrenches. Monte Wrench Co., Shelbyville, Ind.
Montgomery Case Hardening Compounds. Montgomery Chemical Works, Inc., Baltimore, Md.
Montgomery Coal Washing Machines. Montgomery Coal Washing & Mfg. Co., Birmingham, Ala.
Montgomery Nail Pullers. P. Lowentraut Mfg. Co., Newark, N. J.
Montrose Gauge Glasses. E. F. Keating Co., New York.
Montross Metal Shingles. Montross Metal Roofing Co., Camden, N. J.
Monumental Brushes. Pittsburgh Plate Glass Company, Rennous-Kleinle Division, Baltimore, Md.
Moojen Load Testing Sets. Brown & Pengilly, Inc., Los Angeles, Cal.
Moomy Inner Tubes. Keystone Rubber Mfg. Co., Erie, Pa.
Moon Automobiles. Moon Motor Car Co., St. Louis, Mo.
Moon Grease Cups. American Injector Co., Detroit, Mich.
Moon Padlock Locks. United Lock & Hardware Co., Columbia, Pa.
Moon Plow Coulters. B. F. Avery & Son, Louisville, Ky.
Moon Steam Turbine Generators. Moon Mfg. Co., Chicago.
Moonlight Fishing Bait. Moonlight Bait Co., Paw Paw, Mich.
Moonshine Brand Metal Polish. Wm. T. Johnson, Cincinnati, O.
Moonstone Illuminating Glassware, Etc. Jefferson Glass Co., Chicago.
Moore & Bristol's Can Filling Machine. Sprague Canning Machinery Co., Chicago.
Moore Anti-Friction Chain Hoist. Chisholm-Moore Mfg. Co., Cleveland, O.
Moore Automobiles. Moore Motor Co., Minneapolis, Minn.
Moore Belt Sanding Machines, Wood Carving Machines. Curtis Mach. Corp., Jamestown, N. Y.
Moore Car Door Hangers. Stowell Co., South Milwaukee, Wis.
Moore Cultivators, Feed Cookers, Potato Diggers, Farm Boilers, Gasoline Engines. Moore Plow & Implement Co., Greenville, Mich.
Moore 4 Speed Ford Transmission. Rocky Mountain Steel Products Inc., Los Angeles, Cal.
Moore Metal Polish. E. C. Moore & Sons Co., Detroit, Mich.
Moore Moist Air Dry Kilns. Moore Dry Kiln Co., North-Portland, Ore.
Moore Non-Leakable Fountain Pen. The Moore Pen Co., Boston, Mass.
Moore Plows. Moore Plow & Implement Co., Greenville, Mich.
Moore Push Pins, Push-less Hangers, Screw Knobs, Maptacks, Thumbtacks, Etc. Moore Push-Pin Co., Philadelphia, Pa.
Moore Railway Track Drills. Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Moore Rapid 'Lectromelt Furnace. Pittsburgh Electric Furnace Corp. Pittsburgh, Pa.
Moore Rotary Wood Pulp Screens. Glens Falls Machine Wks., Glens Falls, N. Y.
Moore Speedcrane. Moore Brothers, Chicago.
Moore Steam Pumps. Union Steam Pump Co., Battle Creek, Mich.
Moore Steam Turbines. Moore Steam Turbine Corp., Wellsville, N. Y.
Moore Tubular Steel Oil Well Derricks. Interstate Supply Co., Tulsa, Okla.
Moore's Baggage Door Car Hangers. Chisholm-Moore Mfg. Co., Cleveland.
Moore's Capstan Screws. G. W. Moore, Boston.
Moores Chain Hoists, Elevator Door Hangers, Locks. Chisholm-Moore Mfg. Co., Cleveland.
Moore's Clothes Pins. National Spring Clip Co., Montpelier, Vt.
Moore's Cocks and Bibbs. Peck Bros & Co., New Haven, Conn.
Moore's Fountain Pens. Adams, Cushing & Foster, Boston.
Moore's Gasoline Engines. Moore Plow & Imp. Co., Greenville, Mich.
Moore's Hangers, Hoists. Chisholm & Moore Mfg. Co., Cleveland, O.
Moore's Lock-Joint Dust-Proof Ceilings. Keighley Mfg. Co., Pittsburgh, Pa.
Moore's Moist Air Kiln. L. Moore Dry Kiln Co., Jacksonville, Fla.
Moore's Self-Closing Cocks and Bibbs. Peck Bros. & Co., New Haven, Conn.
Moore's Stoves and Hot Air Furnaces. Moore Bros. Co., Joliet, Ill.
Moore's Window Fasteners. Stanley Works, New Britain, Conn.
Moore's Tin Folding Lunch Boxes. Am. Can Co., New York.
Moose Belt; Hose; Matting. The Diamond Rubber Co., Inc., Akron, O.
Moose Sporting and Athletic Goods. Brauer Bros. Mfg. Co., St. Louis, Mo.

Moosman's Patented Watchman's Clock. E. Imhauser Co., New York.
Moral Leather Belting. Missouri Belting Co., St. Louis, Mo.
Moran Centrifugal Pumps. Moran Mfg. Co., Seattle, Wash.
Moran Flexible Joints. Moran Flexible Steam Joint Co., Louisville, Ky.; Pittsburgh Valve, Fdry. & Constrn. Co., Pittsburgh, Pa.
Moran Steam Heaters. Moran Boiler Co., Hopkins, Minn.
Moran's Belt Couplings. Green, Tweed & Co., New York.
Moravia Rubber Hose. Electric Hose & Rubber Co., Dept. H, Wilmington, Del.
Morcross Jolting Machine. Arcade Mfg. Co., Freeport, Ill.
Morden Adjustable Rail Brace. Morden Frog & Crossing Wks., Chicago.
Morden Frogs, Switches and Crossings, Guard Rail Clamps, Fasteners, Switch Locks and Adjustable Rail Braces. **Morden Frog &** Crossing Works, Chicago.
Morden Perfect Key Rings. Morden Mfg. Corp., Waterbury, Conn.
Morden Swivel Ring. Morden Mfg. Corp., Waterbury, Conn.
Morehead Back to Boiler System. Morehead Mfg. Co., Detroit, Mich.
Morehead Steam Traps. Morehead Mfg. Co., Detroit, Mich.
Morehead's Gas Burettes. E. N. Sargent & Co., Chicago.
More-Jones Tiger Bronze Armature and Axle Bearings. More-Jones Brass & Metal Co., St. Louis, Mo.
Moreland Motor Trucks. Moreland Motor Truck Co., Burbank, Cal.
Moreland Ring Packing. H. Johnson Co., Jersey City, N. J.
Morelite Dimming Auto Lenses. L. E. Smith Glass Co., Mt. Pleasant, Pa.
Morell Pattern Saw Sets. Bullock Mfg. Associates, Springfield, Mass.
More-Lyte Wall Finish. Arlington Mfg. Co., Canton, O.
Moronco Iron and Steel Products. Moore Engineering Co., Hagerstown, Md.
Morey Welding Compound. Morey Flux & Chemical Co., Parkersburg, Pa.
Morgan Air Cell and Felt Pipe and Boiler Coverings. C. Stanley Morgan, Detroit, Mich.
Morgan Gas Machines. Morgan Construction Co., Worcester, Mass.
Morgan Hammers and Cranes. Morgan Engineering Co., Alliance, O.
Morgan Hoist. The Brown Clutch Co., Sandusky, O.
Morgan Hose Clamps, Couplings, Spark Plugs and Auto Pumps. Morgan Mfg. Co., Keene, N. H.
Morgan Portland Cement. Monarch Cement Co., Humboldt, Kan.
Morgan Producers' Gas Machines. Morgan Construction Co., Worcester, Mass.
Morgan Spading Harrows. Wiard Plow Co., Batavia, N. Y.
Morgan's Damper Regulators. Kellogg-Mackay-Cameron Co., Chicago.
Morgan's Handy Hollow Handle Tools. Morgan Mfg. Co., Inc., Keene, N. H.
Morin's Saw Gauges. Morin Saw Gauge Mfg. Co., Seattle, Wash.
Morison Corrugated Furnaces. Continental Iron Wks., Brooklyn, N. Y.
Morison Suspension Furnaces. Continental Iron Works, Brooklyn, N. Y.
Morocco Semi-Gloss Wall Paint. Campbell Glass & Paint Co., St. Louis, Mo.
Moroccoline. Boston Artificial Leather Co., New York.
Moroccoline Leather Cloth. Zapon Leather Cloth Co., New York.
Moroloy Bearings. J. Leslie Morris Co., Los Angeles, Cal.
Morosco Boltless Auto Springs. Morgan Spring Co., San Francisco.
Morral Labeling Machines. Morral Bros., Morral, O.
Morrell Pattern Saw Sets. Bullock Mfg. Associates, Springfield, Mass.
Morrill Hercules Sheet Metal Punches. Chas. Morrill, Inc., New York.
Morrill Liquid Soap Dispensers, Nail Pullers, Saw Sets, Bench Stops, Seal Presses, Hand Punches. Chas. Morrill, Inc., New York.
Morrill Saw Sets, Box Openers, Nail and Spike Pullers, Punches, Bench Stops, Seal Presses. Chas. Morrill, Inc., New York.
Morrill Pattern Saw Sets. L. A. Sayre & Co., Newark, N. J.
Morris Auto Locks. F. A. B. Mfg. Co., Oakland, Cal.
Morris Centrifugal Pumps. Morris Mach. Wks., Baldwinsville, N. Y
Morris Drills and Lathes. Morris Machine Tool Co., Cincinnati, O
Morris Horizontal Drilling Machines. Morris Machine Co., Cincinnati, O.
Morris Kitchen Saws. Cassady, Fairbank Mfg. Co., Chicago.
Morris Truck Casters and Wheels. Morris Truck & Wheel Co., Inc., Philadelphia.
Morris and Bailey Cold Rolled Strip Steel and Steel for Stamping and Drawing. Wetherell Bros. Co., Cambridge, Mass.
Morris-Weston Sugar Centrifugals. Cresson-Morris Co., Philadelphia.
Morrison Auto-Cradle. Morrison Incorporation, Pittsburgh, Pa.
Morrison Automatic Double Range Continuous Lift Jack. Woods Engineering Co., Alliance, O.
Morrison Furnaces. Continental Iron Works, Brooklyn, N. Y.
Morrison Storage Batteries. Hello Mfg. Co., Philadelphia.
Morroco Black Sheet Packing. General Asbestos & Rubber Co., Charleston, S. C.
Morrow Coal Handling Equipment. Morrow Mfg. Co., Wellston, O.
Morrow Coaster Brakes. Eclipse Machine Co., Elmira, N. Y.
Morrow Drill Chucks. E. Horton & Son Co., Windsor Locks, Conn.
Morse Arbors, Centers, Counterbores, Countersinks, Cutters, Dies, Drills, Gauges, Grinders, Mills, Reamers, Sockets, Taps, Wrenches, Etc. Morse Twist Drill & Machine Co., Dept. H, New Bedford, Mass.
Morse Beach Drill Chucks. Morse Twist Drill & Machine Co., New Bedford, Mass.
Morse Comfort Reclining Chair. F. W. Morse, San Fernando, Cal.
Morse Cord Adjusters, Connectors, Terminals and Miscellaneous Electrical Specialties. Frank W. Morse, Boston, Mass.
Morse Drills, Chucks. Morse Twist Drill & Mch. Co., New Bedford, Mass.
Morse Electric Belts, Insoles and Inhalers. Electric Appliance Co., Burlington, Kan.
Morse Eureka Center Handle Switches, Lamp Adapters, Telephone Plug Terminals, Storage Battery Terminals, Testing Clips. Frank W. Morse, Boston.
Morse Eureka Electric Cable Hangers; Terminals. Frank W. Morse, Boston, Mass.
Morse Gauges. Morse Thermo Gage Co., Ithaca, N. Y.
Morse Henley Air Brakes. Phila. Air Brake & Machine Co., Phila, Pa.
Morse Hose Nozzles. Cornelius Callahan Co., Boston, Mass.
Morse Incandescent Lamp Guards, Lamp Cord Adjusters, Trouble Finding Lamps, Searchlights, Wire Connectors. Frank W. Morse, Boston.
Morse Magneto Clocks. American Watchman's Time Detector Co., New York; Morse Magneto Clock, New York.
Morse Power Transmission Chains. Morse Chain Co., Ithaca, N. Y.
Morse Rarefied Dust Collector. Knickerbocker Co., Jackson, Mich.
Morse Roughing and Finishing Taper Reamers. Greenfield Die & Tap Corp., Greenfield, Mass.
Morse Silent Running Transmission Chain and High Speed Chain Sprockets. Morse Chain Co., Ithaca, N. Y.
Morse Stetson Drill Chucks. Morse Twist Drill & Machine Co., New Bedford, Mass.
Morse Street Lamp Guards. Hamblin & Russell Mfg. Co., Worcester, Mass.
Morse Wall Ties. J. B. Prescott & Son, Webster, Mass.
Morse Window Ventilators. L. Morse & Sons, Athol, Mass.
Morse Wood Bits. Union Twist Drill Co., Athol, Mass.
Morton Traveling Head Draw Cut Planer. Morton Mfg. Co., Muskegon Heights, Mich.
Morton's Cable Chains. Thomas Morton, New York.
Morton's Oderless Typewriter Oil. Morton Mfg. Co., Louisville, Ky.
Mortone Paints. Morton & Maguire, Inc., Paterson, N. J.
Morus Water Closets. Fort Pitt Supply Co., Pittsburgh.
Mo-Sa-Ga Motor Oil. Motor Sales Garage Co., East Orange, N. J.
Mosaic Enameled Blotting Paper. Wrenn Paper Co., Middletown, O.
Mosco Automobile Wheel Pullers. Motor Specialties Co., Waltham, Mass.
Mosco Timers and Wheel Pullers. Motor Specialties Co., Waltham, Mass.
Moscow Red Japan and Oil Colors, Paste and Liquid Paint. R. F. Johnston Paint Co., Cincinnati, O.
Moseley Surface Grinders. Moseley Lathe Co., Elgin, Ill.
Moser Casing Heads. Kane Supply Co., Kane, Pa.
Moser Mine Drills. What Cheer Tool Co., What Cheer, Ia.
Mosheik Wash Boilers. Philip Mosheik, Chicago.
Mosher Bag Holders. Webster Mfg. Co., Chicago.
Mosher Desaturators. The United Machine & Mfg. Co., Canton, O.
Mosher Electric Car Headlights. The Dayton Mfg. Co., Dayton, O.
Mosher Lifting Jacks. F. M. Deweese Co., Chillicothe, O.
Mosher Steam and Oil Separators. The United Machine & Mfg. Co., Canton, O.
Mosher Tool Racks. F. M. Mosher, Canton, Ill.
Moskowitz System Car Lighting. U. S. Light & Heat Corp., New York.
Mosler Vesuvius Spark Plugs. A. R. Mosler & Co., New York.
Moss Universal Lathe Chucks. Commonwealth Supply Co., Richmond, Va.
Mossberg Wrenches, Reels, Cotter Pin Extractors. Frank Mossberg Co., Attleboro, Mass.
Mossman Harness Specialties; Buckle Shields. North & Judd Mfg. Co., New Britain, Conn.
Mosso's Oil of Salt. C. A. Mosso's Laboratories, Chicago.
Moswell Auto Accessories. Moswell Mfg. Co., New York.
Motex Brands of Babbitt Metals. I. M. Jacobson & Sons, Detroit.
Mo-tex Face Brick. Thomas Moulding Brick Co., Chicago.
Moth-No Insecticide. Plunkett Chemical Co., Chicago, Ill.
Motobestos Brake Lining. Asbestos & Rubber Works of America, New York.
Moto-Hoist Electric Hoist. The Drake Mfg. Co., Inc., Friendship, N. Y.
Moto-Lac Varnish. R. F. Johnston Paint Co., Cincinnati, O.
Motolife Non-Combustible Chemical. Schuyler C. Borom, Minneapolis, Minn.
Moto Radiator Hose. Quaker City Rubber Co., Philadelphia.
Moto Milker Cow Milking Machinery. Sharples Milker Co., West Chester, Pa.
Moto-Mower Lawn Mowers. Moto-Mower Co., The, Detroit, Mich.
Moto-Pep Gasolene Intensifier and Decarbonizer. Moto-Pep Mfg. Co., Youngstown, O.
Moto-Rite Engine Pistons and Pins. Diederich Mfg. Co., Detroit, Mich.
Motor B Tractor Oils. Monarch Mfg. Co., Council Bluffs, Ia.
Motor Babbitt Metal. E. L. Post & Co., Inc., New York; More-Jones Brass and Metal Co., St. Louis, Mo.
Motor Ease Oil. Plomo Specialty Mfg. Co., Cleveland, O.
Motor Eye Water Temperature Meters. Metalware Corp., Chicago.
Motor Garden Hose, Etc. Cincinnati Rubber Mfg. Co., Cincinnati, O.
Motor Hose. Cincinnati Rubber Mfg. Co., Cincinnati, O.
Motor Kit Pliers. Crescent Tool Co., Jamestown, N. Y.
Motor Macultivator Garden Cultivators. Motor Macultivator Co., Toledo, O.
Motor Padlocks. E. T. Fraim Lock Co., Lancaster, Pa.
Motorade Motor Fuel. Motorade Chemical Co., Memphis, Tenn.
Motorbloc—"The Motor Driven Chain Hoist." Motorbloc Corp., Philadelphia, Pa.
Motorcycle Mike Toys. Am. Flyer Mfg. Co., Chicago.
Mo-to-Rine Carbon Remover. Allworth Co., Chicago.
Motorite Packing. Crandall Packing Co. Palmyra, N. Y.
Motorlift Power Driven Vertical Tiering Machine. Standard Conveyor Co., N. St. Paul, Minn.
Mo-to-Ro-L Cylinder Oils. N. Y. & N. J. Lubricant Co., New York.
Motorope Automobile Towing Ropes. Asch & Co., New York.
Motorwear Carriage Robes. Hugh Wallace Co., Detroit, Mich.
Motsinger Carburetor. Motsinger Device Mfg. Co., Lafayette, Ind.
Motsinger Plug Switches. Motsinger Device Mfg. Co., Lafayette, Ind.
Mott Lamp Posts, Display and Drinking Fountains, Marine Lavatories. The J. L. Mott Iron Works, New York.
Mouat Vapor Heating System. Mouat-Squires Co., Cleveland.
Moulstone Composition Flooring, Magnesite and Stucco. Thomas Moulding Brick Co., Chicago.
Mound Automobile Tools and Triangles. Mound Tool & Scraper Co., St. Louis, Mo.
Mount Air Valves. Mount Valve Co., New York.
Mt. Diablo Cement. Cowell Portland Cement Co., San Francisco, Cal.
Mount Gilead Hydraulic Presses, Filter Cloth, Barrel Gauges, Fruit Presses, Barrel Pumps, Juice Pumps, Etc. The Hydraulic Press Mfg. Co., Mount Gilead, O.
Mt. Hood Fanning Mills. Johnson & Field Mfg. Co., Racine, Wis.
Mt. Joy Steak Pounders. Grey Iron Casting Co., Mt. Joy, Pa.
Mt. Savage Fire Brick. Union Milling Co., Baltimore, Md.
Mt. Silica Fire Brick. Thomas Moulding Brick Co., Chicago.
Mt. Tom Lawn Mower. Worcester Lawn Mower Co., Worcester, Mass.
Mt. Vernon Army, Sail, Wide and Belting Duck, Dryer Felts and Cotton Hose. Mt. Vernon Woodberry Mills, Inc., Baltimore, Md.
Mount Vernon Canvas Belting. Mt. Vernon Belting Co., Baltimore, Md.
Mount Vernon Cotton Duck. Turner, Halsey Co., New York.
Mountain and Plain Paints. McPhee & McGinnity Co., Denver, Colo.
Mountain Oak Leather Belt. Mountain States Rubber Co., Denver, Colo.
Mountville Potato Diggers. Mountville Mfg. Co., Mountville, Pa.
Moussin Saponine and Aniline, Colors and Chemicals. H. Lieber & Co., New York.
Movette Cameras. Movette, Inc., Rochester, N. Y.
Movie Eyes Spectacles. Stenopaic Optical Co., New York.
Mowell Relief Valves. Augustus Mowell, Paterson, N. J.
Moyle Cyanide Mills, Tanks, Gate Valves, Ore Concentrators and Crushers' Etc. E. H. Moyle Engnrg. & Equip. Co., Los Angeles.
Mo-Yo-Co Steam Traps. Monash-Younker Co., Chicago.
Mpco Artificial Stone Products. McCleanahan Products Co., Inc., San Francisco.
Mr. Bill Riding Listers. B. F. Avery & Sons, Louisville, Ky.

Mr. Punch Automatic Drilling Machines. Goodell-Pratt Co., Greenfield, Mass.
Mrs. Best's Sad Irons. Wrightsville Hardware Co., Wrightsville, Pa.
Mrs. Pott's Sad Irons. Bless & Drake, Newark, N. J.; Colebrook Iron Co., Pottstown, Pa.; Rock Island Mfg. Co., Rock Island, Ill.
Mudge Electric Volume Blower; Motor Cars. Mudge & Co., Chicago.
Mudge Hot Water Bath Canners. Biddle-Gaumer Co., Philadelphia.
Mudge-Peerless Passenger Car Ventilators. Mudge & Co., Chicago.
Mudge-Slator Spark Arrester. Mudge & Co., Chicago.
Mudge-Solvit Compound Paint and Varnish Remover. Mudge & Co., Chicago.
Mudgett Tank Heaters. Sargent, Osgood & Roundy Co., Randolph, Vt.
Mueller Garbage Burners. L. J. Mueller Furnace Co., Milwaukee, Wis.
Mueller Hot Air Furnaces, Steam Heaters. L. J. Mueller Furnace Co., Milwaukee, Wis.
Mueller Pipe, Stops, Valves. H. Mueller Mfg. Co., Decatur, Ill.
Mueller Pipe Tongs. H. Mueller Mfg. Co., Decatur, Ill.
Mueller Radial Drills and Lathes. The Mueller Machine Tool Co., Cincinnati, O.
Mueller-Schutte Steam Traps. Schutte & Koerting Co., Philadelphia.
Mueller Water Meter Testers, Tapping Machines, Extension Service Boxes, Goose Necks, Cocks, Drills, Lathes, Drinking Fountains. Mueller Mfg. Co., Decatur, Ill.
Muisa Toilet Paper. Union Paper & Twine Co., Cleveland, O.
Mulconroy Air, Water, Steam, Rock Drill and Oxy-Acetylene Gasoline Hose. Mulconroy Co., Inc., Philadelphia.
Mulconroy Rubber Boots, Hose. Mulconroy Co., Philadelphia, Pa.
Mule-Hide Roofing, Lap Cement and Roof Coating, Car Roofing, Canvas Roofing, Sill Coverings, Saturated Cotton Fabric, Saturated Burlap, Asphalt Shingles, Waterproof Insulating Paper and Roof Coating Cap Sheet. The Lehon Co., Chicago.
Mule Leather Belting. Ulmer Leather Co., Norwich, Conn.
Mule-Pull Friction Clutches and Friction Clutch Couplings. Brown Engineering Co., Reading, Pa.
Muleskin Leather Cloth. Zapon Leather Cloth Co., New York.
Mulford Steam Heaters. Galva Heater Co., Galva, Ill.
Mullan Air Pumps. C. H. Wheeler Mfg. Co., Philadelphia, Pa.
Mullen Blast Furnace Tapping Machine. Southwark Foundry & Machine Co., Philadelphia, Pa.
Mullen Paper Testers. B. F. Perkins & Son, Inc., Holyoke, Mass.
Muller Pan Grinder Rims. Railway Steel Spring Co., New York.
Mullholland Hatch Fasteners. Mullholland Hatch Fastener Co., Cleveland, Ohio.
Muloid Cutting Compound. J. L. Fannon Co., Inc., Philadelphia, Pa.
Mult-Au-Matic Vertical Boring and Turning Machines. Bullard Machine Tool Co., Bridgeport, Conn.
Multe Kopy Carbon Paper. F. S. Webster Co., Boston.
Multi-Catch Sockets. General Electric Co., Schenectady, N. Y.
Multi Foot Pavers. The Foote Company, Nunda, N. Y.
Multi-Jet Steam Condensers. Schutte & Koerting Co., Philadelphia.
Multi Kopy Carbon Paper. F. S. Webster Co., Boston, Mass.
Multi-Lift Cylinder Heads. George Riley & Co., Los Angeles, Cal.
Multi-Metal Bolting Cloth. Multi-Metal Separating Screen Co., New York.
Multi-Metal Screen. Multi-Metal Separating Screen Co., New York.
Multi Point Spark Plugs. The Fulton Co., Milwaukee, Wis.
Multi-Port Radiator Valves. Detroit Lubricator Co., Detroit, Mich.
Multi-Spray Cooling Nozzles. Schutte & Koerting Co., Philadelphia.
Multi Switch and Service Boxes, Locknut Bushings, Cutout Boxes, Porcelain Bushings, Fuse Cut-outs and Soldering Terminal Lugs. Multi Electrical Mfg. Co., Chicago.
Multi-Truck Elevating Trucks. Barrett-Cravens Co., Chicago.
Multi-Unit Map System. National Map Co., Indianapolis, Ind.
Multi-Use Bed Side Tables. J. R. Baker & Sons Co., Kendallville, Ind.
Multi-Use Linemen's Belts. Mathias Klein & Sons, Chicago.
Multi-V Roofing. Braden Mfg. Co., Terre Haute, Ind.
Multi-Vapo-Gap Lightning Arresters. Lord Mfg. Co., New York.
Multibestos Brake, Clutch and Transmission Linings. Multibestos Company, Walpole, Mass.
Multibestos Shears. Standard Woven Fabric Co., Framingham, Mass.
Multicolor Press. Lisenby Mfg. Co., Fresno, Cal.
Multiplate Valves and Cocks. O'Malley-Beare Valve Co., Chicago.
Multiple Locomotive Pipe Clamps. Franklin Railway Supply Co., Inc., New York.
Multiple Medicinal Atomizers. Hospital Rubber Co., Attleboro, Mass.
Multiple Reinforcing Plates. Berger Mfg. Co., Canton, O.
Multiple Unit Electric Furnaces. Electric Heating Apparatus Co., Newark, N. J.
Multiple Unit Puttyless Skylights. Nat. Ventilating Co., New York.
Multiplex Corrugated Iron and Steel. Berger Mfg. Co., Canton, O.
Multiplex Double Stripper Block Machines. The Multiplex Concrete Machinery Co., Elmore, O.
Multiplex Efficiency Equipment. Multiplex Display Fixtures Co., St. Louis, Mo.
Multiplex Hardware Display Fixtures. Multiplex Display Fixture Co., St. Louis.
Multiplex M. C. B. Repair and Defect Card Books, Carbon Paper. General Manifold & Printing Co., Franklin, Pa.
Multiplex Meter Devices. Johns-Manville, Incorporated, New York.
Multiplex Pump Valves. J. F. Robertson Co., Pittsburgh, Pa.
Multiplex Reinforcing Plates. The Berger Mfg. Co., Canton, O.
Multiplex Reversible Ratchet Wrenches. Lowell Wrench Co., Worcester, Mass.
Multiplex Wrenches. Lowell Wrench Co., Worcester, Mass.
Multiplus Lubricators. Greene, Tweed & Co., New York.
Multiplus Sight Feeds. Greene, Tweed & Co., New York.
Multipull Windlass. Multipull Mfg. Co., St. Louis, Mo.
Multiroll Belt Conveyor Idlers. Link-Belt Company, Chicago, Indianapolis, Philadelphia; H. W. Caldwell & Son, Chicago.
Multiservis Water Controls and Regulators. Nason Mfg. Co., New York.
Multispra Paint and White Wash Spraying Machines. Deming Co., Salem, Ohio.
Multiwhirl Oil Coolers. Griscom-Russell Co., New York.
Multnomah Drag Saws. Multnomah Iron Works, Portland, Ore.
Multo Ratchet Wrenches. Lowell Wrench Co., Worcester, Mass.
Multoproof Spar Varnish. Keystone Varnish Co., Brooklyn, N. Y.
Multometer Speedometer. Hamilton Corp., Lancaster, Pa.
Multum Daters. R. A. Stewart & Co., New York.
Mumford Moulding Machines. Hanna Engineering Works, Chicago.
Mummert Dixon Wet Tool Grinders. Mummert Dixon, Hanover, Pa.
Muncie Brake Drums. Muncie Gear Works, Muncie, Ind.
Muncie Crown Automobile and Steel Castings. Muncie Malleable Foundry Co., Muncie, Ind.
Muncie Oil Engine; Reverse Clutch Pulley; Reversible Jaw Type Friction Clutch; Full Storage Tanks. Muncie Oil Engine Co., Muncie, Ind.
Muncie Type Glass Insulators. Hemingray Glass Co., Muncie, Ind.
Mundy Cargo Winch. Mundy Hoisting Engine Co., Newark, N. J.
Mundy Hoisting Equipment. J. S. Mundy Hoisting Engine Co., Newark, N. J.
Munger Cotton Ginning Machinery. Continental Gin Co., Birmingham, Ala.
Munger Piston Rings. Spitdorf Electrical Co., Newark, N. J.
Munit Switch Boxes. The Cutter Company, Philadelphia, Pa.
Munktell's Swedish Filter Paper. E. H. Sargent & Co., Inc., Chicago.
Munnsville Fruit Evaporators. Munnsville Plow Co., Munnsville, N. Y.
Munsing Pulleys. Minneapolis Laundry Machine Co., Minneapolis, Minn.
Munson Warm Air Furnaces. Munson-McCairns Heater & Foundry Co., Connellsville, Pa.
Munton Car Couplers. National Malleable Castings Co., Cleveland.
Munton Coupler. National Malleable Casting Co., Cleveland, O.
Muntz Condenser Tubes. Bridgeport Brass Co., Bridgeport, Conn.
Muntz Metal. Tauton-New Bedford Copper Co., New York.
Mu-rad Amplifying Transformers. Mu-rad Laboratories, Asbury Park, N. J.
Muralite Hot Water Calcimine or Wall Finish. M. Ewing Fox Co., New York and Chicago.
Muraltint Cold Water Paints. Columbia Refining Co., New York.
Murchey Collapsible Taps. Murchey Machine Tool Co., Detroit, Mich.
Murco Auto Fasteners. G. W. J. Murphy Co., Amesbury, Mass.
Murdock Bobbin Holders. Murdock & Geb Co., Franklin, Mass.
Murdock Headphones. Wm. J. Murdock Co., Chelsea, Mass.
Murdock Hydrants. Illinois Malleable Iron Co., Chicago.
Murdock Railway Water Service Boxes; Hydrants; Hose Boxes; Street Washers; Drinking Fountains. The Murdock Mfg. & Supply Co., Cincinnati, O.
Muresco Kalsomine and Wall Finish. Benjamin Moore & Co., Brooklyn, N. Y.
Muro Burlap. Cotta-a-Lap Co., Somerville, N. J.
Muronic-White Enamel; Railway Enamels. Murphy Varnish Company, Newark, N. J.
Murphy Automatic Furnaces. Murphy Iron Works, Detroit, Mich.
Murphy Cabinet Ironing Boards. Murphy Door Bed Co., Chicago.
Murphy Car Roofs, Steel Carlines. Standard Railway Equip. Co., Chicago.
Murphy Corrugated Steel Ends. The Pressed Steel Mfg. Co., Chicago.
Murphy Dry Kilns. Ridgway Mfg. Co., Ridgway, Pa.
Murphy Flushing Valves. Murphy Specialty Co., Milwaukee, Wis.
Murphy Pneumatic Rock Drills. Wickes Mchy Co., Jersey City, N. J.
Murphy Range Boiler Stands. Central Foundry Co., New York.
Murphy Smokeless Furnaces. Murphy Iron Works, Detroit, Mich.
Murphy's Oil Soap. Pheonix Oil Co., Cleveland, O.
Murray All-Wood Pumps and Valves. The Murray Pump & Valve Mfg. Co., New Lexington, O.
Murray Boilers, Locomotive Cylinder Castings, **Air Compressors, Steel Tanks, Engines, Furnaces, Feed Water Heaters, Steam Jacketed Kettles, Brake Shoes, Car Stoves. Murray Iron Works** Co., Burlington, Ia.
Murray Boiler Feed Regulators. Wright-Austin Co., Detroit, Mich.
Murray Carriage Top Raisers. P. A. Murray & Co., Newton, Mass.
Murray Electric Lamp Hoods. National Metal Stamping & Mfg. Co., Newark, N. J.
Murray Feed Regulator. Murray Specialty Mfg. Co., Detroit, Mich.
Murray Keyoke. Keyoke Ry. Equipment Co., Chicago.
Murray Motor Cars. Murray Motor Car Co., Pittsburgh, Pa.
Murray Tie Spacing and Straightening Jacks. Belle City Malleable Iron Co., Racine, Wis.
Muscle Builder Kar Children's Vehicles. Muscle Builder Kar Co., San Francisco.
Musgraves Lubricators. Star Brass Mfg. Co., Boston, Mass.
Mushroom Concrete Steel Construction. C. A. P. Turner, N. Minneapolis, Minn.
Mushroom Gromets, Metal Washers, Rivets, Nails, etc. Edwin B. Stimpson Co., Brooklyn, N. Y.
Mushroom Traffic Lights and Markers. Essco Mfg. Co., Peoria, Ill.
Music Master Phonograph Horns. Sheip & Vandegrift, Philadelphia.
Muskegon Brass Wheel Daters. R. A. Stewart & Co., New York.
Muskegon Motor Trucks. Muskegon Engine Co., Muskegon, Mich.
Muskegon Refuse Burners; Boilers & Boiler Casings. Muskegon Boiler Wks. Muskegon, Mich.
Musselman Coaster Brakes. Miami Cycle & Mfg. Co., Middletown, O.
Mustang Leather Cloth. Zapon Leather Cloth Co., New York.
Mustang Rope Lariats. Diamond Whip Co., Chicago.
Mutsie Leather Dressing. P. D. Ballard, Citronelle, Ala.
Mutt Hand Tire Pump. E. M. Gant Mfg. Co., Ethridge, Tenn.
Mutual Auto Accessories. Mutual Motor Stores Co., Cleveland, O.
Mutual Blow-Out Patches. Mutual Motor Stores Co., Cleveland, O.
Mutual Lubricating Oils. Mutual Oil Co., Kansas City, Mo.
Mutual Lubricators. Detroit Shipbuilding Co., Detroit, Mich.
Mutual Oil and Grease Cup Lubricators. Detroit Shipbldg. Co., Detroit, Mich.
Mutual Rubber-Cement. Mutual Motor Stores Co., Cleveland, O.
Mutual Tone Arms and Sound Boxes. Mutual Phono Parts Mfg. Co., Los Angeles, Cal.
My Choice Stove Lid Lifters. Grey Iron Casting Co., Mt. Joy, Pa.
My Wife Ironing Table. Holmquist & Co., Chicago.
Myama Shade Cloth. Chas. W. Breneman & Co., Cincinnati, O.
Myers Arbor Presses, Engine Lathes, Drilling Machines, Emery Grinders and Improved Geared Hack Saws. Myers Machine Tool Corp., Columbia, Pa.
Myers Boiler Cleaners. Manchester Mfg. Co., N. Manchester, Ind.
Myers Common Fireplace Dampers. Colonial Fireplace Co., Chicago.
Myers Electric Water Supply Systems. F. E. Myers & Bro., Ashland, O.
Myers Hay Tools, Barn Door, Hinge and Rail Hangers, Pumps, Ladders, Paint and Whitewash Spraying Machines, Spray Guns. F. E. Myers & Bro., Ashland, Ohio.
Myers Patent Tin Boxes. Myers Mfg. Co., Camden, N. J.
Myers Pumps for Every Purpose, Hay Unloading Tools, Door Hangers, Hay Rack Clamps, Gate Hangers, Store Ladders, Bicycle Stands. The F. E. Meyers & Bro., Ashland, O.
Myers Shovels. Ames Shovel & Tool Co., Jersey City, N. J.
Myers Spray Nozzles. F. E. Myers & Bro., Ashland, Ohio.
Myers Wall Ties. Mercer Mfg. Co., Mercer, Pa.
Myers-Whaley Shoveling Machines. Myers-Whaley Co., Knoxville, Tenn.
Mystic Bearing Metal. Magnolia Metal Co., New York.
Mystic Cutting Lubricants. Swan & Finch Co., New York.
Mystic Dressing. George W. Campbell, Pasadena, Cal.
Mystic Friction Tape; Rubber Tape. Lavelle Rubber Co., Chicago.
Mystic Liquid Glue. International Glue Co., East Boston, Mass.
Mystic Spray Nozzle. W. D. Allen Mfg. Co., Chicago.
Mystic Water Filters. Jones Mfg. Co., Boston, Mass.

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N. Boilers. National Radiator Co., Trenton, N. J.
N. Yellow Fir Doors. Nicolai Door Mfg. Co., Portland, Ore.
N-B Flushing Valves. Dececo Co., Boston.
N. B. C. Caston Worm Gear Oil. N. B. Cook Oil Co., New York.
N. B. C. Copper Ingots. Balbach Smelting & Refining Co., Newark.
N. B. O. Sheet Packing, Gaskets, Discs, Valves, Washers, Etc. Home Rubber Co., Trenton, N. J.
N. C. R. Credit Files. National Cash Register Co., Dayton, O.
N D. Bearings. The New Departure Mfg. Co., Bristol, Conn.
N. E. O. Fuses. Central Telephone & Electric Co., St. Louis, Mo.
N-E-O-O Tom Thumb Carburetor. National Equipment Co., Chicago.
N. P. O. Lubricant Guns. N. Y. & N. J. Lubricant Co., New York.
N. Gold and Silver Solder. F. H. Noble & Co., Chicago.
N. H. Flushing Valves. Exeter Brass Works, Exeter, N. H.
N. I. Copper Heat Resistance Wire. General Electric Co., Schenectady, N. Y.
N. I. R. Rubber Packing. National India Rubber Co., Bristol, R. I.
N. Metallic Valves. Nelson Valve Co., Chestnut Hill, Pa.
N. O. D. Scales. National Novelty Co., Minneapolis, Minn.
N. P. C. A. A. Print Blocks and Rollers. National Print Cutters' Assn. of America, Lodi, N. J.
N. R. C. Protective Paint; N. R. C. 4 in. 1 Slab Shingles. **The National Roofing Co., Tonawanda, N. Y.**
N S A Train Stop Appliances, Seals and Valves. National Safety Appliance Co., San Francisco, Cal.
N. S. Co. Metal Material. National Supply Co., Toledo, O.
N-S Concrete and Wood Preservatives. Geo. W. Saums Co., Trenton, N. J.
N U Tractors. William Stimson Barnes, Chicago.
N-W Electrical Machines. Northwestern Mfg. Co., Milwaukee, Wis.
N.-W. Enclosed Fuses. Columbia Machine Works & Malleable Iron Co., Brooklyn, N. Y.
N. W. Lawn Trimmers. Northwestern Stamping Co., Burlington, Ia.
N. Y. Expansion Shields. Star Expansion Bolt Co., New York.
N. & Co. Arctic Stove Lid Lifters. Nicol & Co., Chicago.
N. & Co. Box Chisels, Nut Crackers and Picks. Nicol & Co., Chgo.
N and Building Papers. B. F. Nelson Mfg. Co., Minneapolis, Minn.
N. & K. Mangles. American Laundry Machy. Co., Cincinnati, Ohio.
Na-Bep-Co. Products. National Bituminous Enamel and Paint Corp., Balitmore, Md.
Nabob Auto Tires. The East Palestine Rubber Co., Pittsburgh, Pa.
Nabob (Texaco) Lubricating Oil. The Texas Company, New York.
Nabralco Alloys. National Bronze & Aluminum Fdry. Co., The, Cleveland, O.
Nacefas Oily Waste Cans. A. C. Kraft, Chicago.
Nachod Signal System. Nachod Signal Co., Louisville, Ky.
Naco Anchor Chain. National Malleable and Steel Castings Co., Cleveland, O.
Nacto Carbon Removers and Fabric Cleaning Compounds. Nacto Cleaner Corp., New York.
Nadier (Texaco) Lubricating Oil. The Texas Company, New York.
Naery Door Holder. Dayton Mfg. Co., Dayton, O.
Nafra Auto Warning Signal. The Nafra Co., Inc., New York.
Nagle Soluble Oil Cutting Lubricant. Ulco Oil Co., Detroit, Mich.
Naiad Waterproofing Oak and Leather Belting. Detroit Oak Belting Co., Detroit, Mich.
Nailcrete Building Material. Nailcrete Corp., New York.
Nailebase Nailing Concrete. The National Builders Co., Cleveland, O.
Nalco Lamps. The North American Electric Lamp Co., St. Louis, Mo.
Nama Drill Sharpeners. James J. Brossoit, Salt Lake City, Utah.
Namco Auxiliary Screw Machines; Self-Opening Dies and Collapsible Taps. The National Acme Co., Cleveland, O.
Namco Dies, Collapsible Taps and Screw Products. National Acme Co., Cleveland, Ohio.
Namco Lawn Rakes. Updyke & Opdyke, Bristol, Pa.
Nameless Flour Sieves. Parker Wire Goods Co., Worcester, Mass.
Namquit Rubber Hose. National India Rubber Co., Bristol, R. I.
NancyHanks Stable Blankets. J. W. Johnson Co., Chicago.
Nansen & Locus Marine Compositions. Universal Coatings Corp., New York.
Nantahala Talc Crayons. Charles B. Chrystal, New York.
Nanticoke Chemical Hose. Electric Hose & Rubber Co., Wilmington.
Nantucket Hammock. Brooks Tent & Awning Co., Denver, Colo.
Nanz Imperial Watchman's Clocks. Nanz Clock Co., New York.
Nanz Watchman's Clocks. Nanz Watch Clock Co., New York.
Napaco Canned Goods. National Packing Corp., Ogden, Utah.
Napanoch Pocket Knives. Napanoch Knife Co., Napanoch, N. Y.
Naphthaline. Barrett Co., New York.
Napthol-Phenoline Disinfectants. Corbin Disinfecting Co., Philadelphia.
Napier Hand Saws, Metal Cutting Off Mach. Blades and Jewelers' Saws. Napier Saw Works, Inc., Middletown, N. Y.
Napier Pig Iron. Napier Iron Works, Nashville, Tenn.
Napier Saws. Metal Saw & Machine Co., Inc., Springfield, Mass.
Naples Velvet Finish Flat Wall Finish. Adams & Elting, Chicago.
Napoleon Gray Marble and Floor Tile. Phenix Marble Co., Kansas City, Mo.
Napoleon Heaters, Pumps, Towers. Heller, Aller & Co., Napoleon, O.
Nappa Leather Belting. H. F. Whiting, Lowell, Mass.
Nappanee Kitchen Cabinets. Coppes Bros. & Zook, Nappanee, Ind.
Naproco Potash Bichromates. Natural Products Refining Co., Jersey City, N. J.
Narco Bath Tubs. McVay-Walker Co., Braddock, Pa.
Narragansett Rubber Hose and Packing. National India Rubber Co., Bristol, R. I.
Nash Hot Pan Lifters. Cassady Fairbank Mfg. Co., Chicago.
Nash No. 10 Sander. J. M. Nash, Milwaukee, Wis.
Nash Sand Papering Machines, Saw and Chuck Machines. J. M. Nash, Milwaukee, Wis.
Nash Six. Nash Motors Co., Kenosha, Wis.
Nash Turbine Pumps. Nash Engineering Co., So. Norwalk, Mass.
Nash Vacuum Pumps. Nash Engineering Co., South Norwalk, Conn.
Nash's Saw Sets. Landers, Frary & Clark, New Britain, Conn.
Nashua Ice Cream Freezers. White Mountain Freezer Co., Nashua, N. H.
Nashua Insulating Tape. Carter, Rice & Co., Boston, Mass.
Nason Class E and Class O Steam Traps; Quick Opening Valves; Boiler Trimmings, Glue Heaters, Etc. Nason Mfg. Co., New York.
Nason Pattern Steam Traps. B. Hoffman Mfg. Co., Milwaukee, Wis.
Nason Specialties, Steam Traps, Valve Unions. Nason Mfg. Co., New York.
Nason Steam Traps. Glenn Mfg. Co., St. Charles, Ill.; The Kelly & Jones Co., Greensburg, Pa.
Nassau Hose. Gutta Percha & Rubber Mfg. Co., New York.
Nassau Shaft Hangers. Nassau Machine Works, Brooklyn, N. Y.
Nassau Slab Zinc. The New Jersey Zinc Co., New York.
Nassau Spelter. New Jersey Zinc Co., New York.
Natalite Emery and Corundum Wheels. National Grinding Wheel Co., Buffalo, N. Y.
Natalon Emery and Corundum Wheels. National Grinding Wheel Co., Buffalo, N. Y.
Natco Drill Presses. National Automatic Tool Co., Richmond, Ind.
Natco Hollow Tile. National Fire Proofing Co., Pittsburgh.
Natco Multiple Spindle Drilling and Tapping Machines. National Automatic Tool Co., Richmond, Ind.
Natco Tile, Culverts, Pipe, Silos. National Fire Proofing Co., Pittsburgh.
Nathan Automobile Accessories. Nathan Novelty Mfg. Co., New York.
Nathan Injectors and Oil and Grease Cups. Nathan Mfg. Co., New York.
National & White Projector Arc Light Carbons. National Carbon Co., Long Island City, N. Y.
National A & A Asbestos Roofing. National Asbestos Mfg. Co., Jersey City, N. J.
National AanA Slate Surface Shingles. National Asbestos Mfg. Co., Jersey City, N. J.
National A. B. C. Die Blocks. National Forge & Tool Co., Irving, Pa.
National Air Brakes, Air Compressors, Emergency and Motorman's Valves and Pneumatic Governors. National Brake & Electric Co., Milwaukee, Wis.
National Air Compressors, Vacuum Pumps. National Steam Pump Co., Upper Sandusky, Ohio.
National Aluminum Steam Cookers. Northwestern Steel & Iron Wks., Eau Claire, Wis.
National Ammeters, Nameplates. National Gauge & Equipment Co., Co., La Crosse, Wis.
National Anhydrous Ammonia. National Ammonia Co., St. Louis, Mo.
National Aqua and Angydrous Ammonia. National Ammonia Co., St. Louis.
National Asbestos Fibrekote. National Roofing Co., Tonawanda, N. Y.
National Asbestos Shingles and Slates. National Asbestos Mfg. Co., Jersey City, N. J.
National Ash Sifters. National Can Co. Boston.
National Asphalt Heaters, Barrows, Lead, Melting, Furnaces, Trucks, Coal and Dumping Cars. Phillips, Dowd Co., Brooklyn, N. Y.
National Asphalt Varnishes. National Roofing Co., Tonawanda, N. Y.
National Asphalted Pipe, Bedstead and Bicycle Tubing, Boiler Tubes, Columns, Casing, Flange Union Pipe for Bends; Coils and Posts, Hydraulic Pipe, Pipe and Tube Mills, Tuyere Pipe, Square and Steel Tubing, Tubular Steel Poles, Rolling Mills. National Tube Co., Pittsburgh, Pa.
National Asphalt Roofing and Shingles. National Asbestos Mfg. Co., Jersey City, N. J.
National Automobiles. National Motor Car & Vehicle Corp., Indianapolis, Ind.
National Auto Safety Signals. National Auto Signal Co., St. Paul, Minn.
National Auto Tires. National Rubber Co., Pottstown, Pa.
National Bankers' Safety Paper. Geo. La Monte & Son, New York.
National Barn Door Hangers. National Mfg. Co., Sterling, Ill.
National Belting, Belt Dressing, Clutch Linings. National Leather Mfg. Co., Niles, Mich.
National Bicycles. Davis Sewing Machine Co., Dayton, O.
National Blank Books and Loose Leaf Devices. National Blank Book Co., Holyoke, Mass.
National Boiler Flue Cleaners. National Flue Cleaner Co., Inc., Groveville, N. J.
National Boiler Girth Seam Protectors. National Boiler Protector Co., Dayton, O.
National Boiler Injectors. Champion Hardware Co., Geneva, O.
National Boilers and Radiators. National Radiator Co., Johnstown, Pa.
National Bolt Cutters. National Machinery Co., Tiffin, O.
National Bolt Cutting Machines. National Machinery Co., Tiffin, O.
Natonal Bottle Washing and Soaking Machines, Pasteurizing Machines. Barry-Wehmiller Machinery Co., St. Louis, Mo.
National Box Fasteners. Beehler Steel Products Co., St. Louis, Mo.
National Brake Beams. Chicago Ry. Equipment Co., Chicago.
National Brakes. National Brake & Electric Co., Milwaukee, Wis.
National Brondkote. The National Roofing Co., Tonawanda, N. Y.
National Canning Apparatus. North Western Steel & Iron Works, Eau Claire, Wis.
National Car Couplers and Centering Devices. National Car Coupler Co., Attica, Ind.
National Car Doors and Door Fixtures. Union Metal Products Co., Chicago.
National Carriage Fasteners. Nat'l Lock Washer Co., Newark, N. J.
National Cash Registers. National Cash Register Co., Dayton, O.
National Cast Iron Pipe, Cast Iron Culverts. American Casting Co., Birmingham, Ala.
National Cattle Guards. Aldobilt Company, Chicago; National Surface Guard Co., Chicago.
National Cement Sewer Pipe Machinery. Quinn Wire & Iron Works, Boone, Ia.
National Champion Curtain Stretchers. Holmquist & Swanson, Chicago.
National Chapman Elevating Trucks. National Scale Co., Chicopee Falls, Mass.
National Checkwriters. Von Brethorst & Priestly, Webster City, Ia.
National Cigar Knives. L. F. Grammes & Sons, Inc., Allentown, Pa.
National Cleveland Cutters. The National Tool Co., Cleveland, O.
National Clover Bunchers. National Harrow Co., LeRoy, Ill.
National Cold Rolled Steel, Soft Steel. Parkersburg Iron & Steel Co., Parkersburg, W. Va.
National Collapsible Rims. National Collapsible Rim Corp., N. York.
National Concrete Fence Post Machines and Molds. National Concrete Machy. Co., Madison, Wis.
National Concrete Inserts. Truscon Steel Co., Youngstown, O.
Natonal Connectors. National Telephone Supply Co., Cleveland.
National Counting Machines. National Counting Machine Co., Chicopee Falls, Mass.
National Cream Separators. National Dairy Machine Co., Goshen, Ind.; Nat'l Enameling & Stamping Co., New York.
National Cultivators. Roderick Leon Mfg. Co., Mansfield, O.
National Cups, Flat Paper. Vestal Chemical Co., St. Louis, Mo.
National Desks. National Desk Co., Herkimer, N. Y.
National Display Racks. Weston Paper & Mfg. Co., Dayton, O.
National Drill Chucks. Pratt-Chuck Co., Frankfort, N. Y.
National Drills, Reamers, Milling Cutters, Counterbores. National Twist Drill & Tool Co., Detroit, Mich.
National Dyes. National Aniline & Chemical Co., Inc., New York.
National Extended Floor Engine Pocket. National Malleable Castings Co., Cleveland, O.
National Extractors and Oil Separators. National Separator & Mach. Co., Boston, Mass.

National Feed Cookers. Heller-Aller Co., Napoleon, O.
National Feed Water Heater. Nat. Pipe Bending Co., New Haven, Conn.
National Fence. American Steel & Wire Co., Chicago, Ill.
National Fibre. National Vulcanized Fibre Co., Wilmington, Del.
National Flange Unions. Walworth Mfg. Co., Boston, Mass.
National Flint Paper, Steel Wool and Shavings. R. J. Waddell & Co., New York.
National Forging Machines. National Machinery Co., Tiffin, O.
National Friction Draft Gear. National Malleable and Steel Castings Co., Cleveland, O.
National Furnace Electrodes. National Carbon Co., Inc., Long Island City, N. Y.
National Garden Cultivators, Land and Field Rollers. Thornbaugh Mfg. Co., Bowling Green, O.
National Garden Cultivators. Whitaker Mfg. Co., Chicago.
National Gas Maker Burners. H. F. Richter Mach. & Tool Works, Los Angeles, Cal.
National Gas Stoves, Heaters, Radiators, Wood Ranges. American Stove Co., St. Louis, Mo.
National Gauges and Thermometers. National Gauge & Equip. Co., LaCrosse, Wis.
National Girth Seam Protectors. Nat. Boiler Protector Co., Dayton, O
National Grain Elevators. King & Hamilton Co., Ottawa, Ill.
National Guard Rail Clamps. Q. & C. Co., New York.
National Hand Power Grinders. A. A. Wood & Sons Co., Atlanta, Ga.
National Heaters and Steam Separator. National Pipe Bending Co., New Haven, Conn.
National Heating Systems and Hot Water Locomotive Boiler Washing Systems. National Boiler Washing Co. of Ill., Chicago.
National Hoisting Engines. Nat'l Hoist. Engine Co., Harrison, N. J.
National Hollow Bldg. Tile. National Clay Products Co., Muncie, Ind.
National Hollow Brake Beams. Chicago Railway Equip. Co., Chicago.
National Homes. The McClure Co., Saginaw, Mich.
National Hot Air Registers. U. S. Register Co., Ltd., Battle Creek, Mich.
National Hot Water Regulators. National Regulator Co., Chicago.
National Hustler Hot Air Furnaces. National Furnace Co., Dayton, O.
National Ignition Apparatus. National Coil Co., Lansing, Mich.
National Improved Photo Mailers. National Fiberstok Envelope Co., Philadelphia, Pa.
National Incandescent Lamps. General Electric Co., Schenectady, N. Y.
National Injectors. The National Supply Co., Toledo, O.
National Junior No. 1 Pressure Steam Cookers. Northwestern Steel & Iron Works, Eau Claire, Wis.
National Keyseater and Oilgroover. National Machine Tool Co., Cincinnati, O.
National Key-Seating Tools, Milling Machines. National Machine Tool Co., Cincinnati.
National Lathes. The National Lathe Co., Cincinnati, O.
National Lawn Clothes Dryers, Lemon Squeezes. Tri-Angle Mfg. Co., Freeport, Ill.
National Lawn Sprinklers. American Fdry. & Mfg. Co., St. Louis, Mo.
National Lightning Rods. National-Standard Co., Niles, Mich.
National Lock Lever Faucets. National Brass Mfg. Co., Rochester, N. Y.
National Lock Washer. National Lock Washer Co., Newark, N. J.
National Mailing Tubes. National Paper Products Co., San Francisco, Cal.
National Manila Wrapping Paper. Newton Paper Co., Holyoke, Mass.
National Marking Machines. National Marking Machine Co., Cincinnati, O.
National Maple Flooring. A. L. Dennis Salt & Lumber Co., Grand Rapids, Mich.
National Mazda Lamps. General Electric Co., Schenectady, N. Y.; National Lamp Works of General Electric Co., Cleveland, O.
National Metal Molding. National Metal Molding Co., Pittsburgh, Pa.
National Metal Polish. Grady Mfg. Co., Astoria, N. Y.
National Method Water Main Cleaner. National Water Main Cleaning Co., New York.
National Motor Trucks. National Steel Car Co., Hamilton, Canada.
National Oil Extractors. Nat'l Separator & Mach. Co., Boston.
National Oil Soap, Soap Powders. Devillers Soap Co., New York.
National Outlet Switch and Junction Boxes—Fixture Studs—Locknuts, Bushings and Brackets. National Metal Moulding Co., Pittsburgh, Pa.
National Paints. Nat'l Paint & Varnish Co., Cleveland.
National Paper Cutting Machines. Highland Mach. Co., Boston.
National Pattern Lock Washers. Quadriga Mfg. Co., Chicago.
National Pavement. Bituminized Road Co., Kansas City, Mo.
National Photo Mailers. National Paper Products Co., San Francisco, Cal.
National Pipe. National Tube Co., Pittsburgh, Pa.
National Pipe Hangers and Unions. Thos. Devlin Mfg. Co., Phila.
National Pipe Joint Cements. Prier Brass Mfg. Co., Kansas City, Mo.
National Pliers and Nippers. Nat'l Plier Co., Inc., Buffalo, N. Y.
National Pneumatic Car Door and Step Control. National Pneumatic Co., New York.
National Pneumatic Storage and Hot Water Tanks. National Steel Tank & Mfg. Co., Bradford, Ill.
National Pneumatic Water Supply Systems. National Steel Tank & Mfg. Co., Bradford, Ill.
National Porcelain Insulators. National Insulator Co., Ford City, Pa.
National Portable Grain Elevators. Portable Elevator Mfg. Co., Bloomington, Ill.
National Portable Lamp Guard. McGill Mfg. Co., Valparaiso, Ind.
National Portable Typewriter. Rex Typewriter Co., Fond du Lac, Wis.
National Postage Stamp Affixing Machines. National Envelope Sealing & Stamping Co., Providence, R. I.
National Pulleys. Dodge Sales & Engineering Co., Mishawaka, Ind.
National Pyrometers, Speed Indicators, Steam Cocks, Thermometers, National Gauge Co., Brooklyn, N. Y.
National Quality Tanks and Cyanide Plants. National Tank & Pipe Co., Portland, Ore.
National Quality Tanks, Cross Arms, Silos. National Tank & Pipe Co., Portland, Ore.
National Rail Saws. The National Surface Guard Co., Chicago; Aldobilt Company, Chicago.
National Refrigerators' Cold Storage Fixtures. National Refrigerator & Fixture Co., St. Louis, Mo.
National Rheostats and Controllers. National Electric Controller Co., Chicago.
National Road Machine and Graders, Dumping Wagons. Good Roads Machinery Co., Kennett Sq., Pa.
National Rubber Hose and Packing. National India Rubber Co., Bristol, R. I.
National Rubber Tires. Nat'l Rubber Co., Pottstown, Pa.
National Rubber Tirefiller. Nat. Rubber Filler Co., Midlothian, Tex.
National Safety Brake Levers; Safety Car Door Fasteners; Burglar Proof Car Door Brackets; Brake Wheels; Washers; Brake Jaws; Dead Lever Guides; Journal Boxes; Equalizing Journal Box Wedges. National Malleable and Steel Castings Co., Cleveland, O.
National Safety Paper. La Monte & Son, Geo., New York.
National Sash Pulleys. Frank B. Sloan & Co., Baltimore, Md.
National Scales. National Novelty Co., Minneapolis, Ind.
National Screen Separator. National Engineering Co., Chicago.
National Self Cleaning Shaking Grates. National Fdy. Mfg. & Supply Co., Williamsport, Pa.
National Shaking Grates. Wm. H. Baker, Trenton, N. J.
National Shaking and Dumping Grates, Ring Oiling Hangers. National Foundry Mfg. & Supply Co., Williamsport, Pa.
National Shingle Stain. National Roofing Co., Tonawanda, N. Y.
National Smoke and Ammonia Helmets. S. F. Hayward & Co., Elmira, N. Y.
National Smoke Helmets. S. F. Hayward & Co., New York.
National Snow Melting Can. J. S. Lang Engineering Co., Boston, Mass.
National Stamp Steel Fixture Studs, Outlet Boxes and Covers, Lock-Nuts and Bushings. National Metal Molding Co., Pittsburgh.
National Star Hot Air Furnaces. Nat'l Furnace Co., Dayton, O.
National Steam Traps. National Dry Kiln Co., Indianapolis, Ind.
National Steel Barrows, Buckets, Cars, Carts, Trucks, Tubs, Etc. Phillips, Doup & Co., Inc., Brooklyn, N. Y.
National Steel Lumber Sections. The National Pressed Steel Co., Massillon, O.
National Steel Range Boilers. National Steel Construction Co., Seattle, Wash.
National Steel Wire Mats. Barbe Wire & Iron Works, Chicago.
National Step Ladders. S. A. Smith Mfg. Co., Brattleboro, Vt.
National Stock Scales. American Scale Co., Kansas City, Mo.
National Stock Fountains. National Tubular Axle Co., Emigsville, Pa.
National Stoves, Ranges and Furnaces. Excelsior Stove & Mfg. Co., Quincy, Ill.
National Stucco. National Steel Fabric Co., Pittsburgh.
National Sugar Cane Shredders. Newel Mfg. Co., New York.
National Super-Test Solid Fibre Shipping Cases. National Paper Products Co., San Francisco, Cal.
National Swimming Suits. Jantzen Knitting Mills, Portland, Ore.
National Thermometers, Pyrometers, Gauges and Marine Clocks. National Gauge Co., Brooklyn, N. Y.
National Trolley Bases. Trolley Supply Co., Canton, O.
National Trolley Guard. Ohio Brass Co., Mansfield, O.
National Tube Welder. National Electric Welder Co., Warren, O.
National Tubular Products. National Tube Co., Pittsburgh, Pa.
National Ventilators. National Skylight & Ventilator Co., Rochester, N. Y.
National Wall and Ceiling Mops. Universal Brush Co., Freeport, Ill.
National Washers. Cleveland Railway Supply Co., Cleveland, O.
National Water Filters; Coolers. Klemm & Co., Chicago.
National Water Lifts. National Water Lift Co., Kalamazoo, Mich.
National Water Main Cleaning Method. National Water Main Cleaning Co., New York.
National Weather Strips. National Metal Weather Strip Co., Pittsburgh, Pa.
National Weather Vanes. National-Standard Co., Niles, Mich.
National Welding Torch. National Welding Equipment Co., San Francisco, Cal.
National Well Drilling Machines. The National Supply Co., Toledo, O.
National Windshield Visor Wind Wings. Hillman Mfg. Co., Los Angeles, Cal.
National Wire Fences. Am. Steel & Wire Co., Chicago.
National Wire Link Fabric. Mattatuck Mfg. Co., Waterbury, Conn.
National Wire Stitching Machines. Gitzendanner-Muller Co., N. York.
National Wood Pipe, Tanks. National Pipe & Tank Co., Portland, Ore.
National Woven Wire Fences. American Steel & Wire Co., Chicago.
National XX Graphite Paint. National Roofing Co., Tonawanda, N. Y.
National's Construction Roofing. The National Roofing Co., Tonawanda, N. Y.
Natural Air Furnaces. Sill Stove Works, Rochester, N. Y.
Natite Abrasive. National Abrasive Co., Boston, Mass.
Natite Artificial Corundum. Harrison Supply Co., Boston 9.
Natite Emery and Corundum Mfrs. National Abrasive Co., Boston.
Native Hose. Pioneer Rubber Mills, San Francisco, Cal.
Native Packing and Rubber Hose. Pioneer Rubber Mills, San Francisco, Cal.
Natiomite Emery and Corundum Wheels. National Grinding Wheel Co., Buffalo, N. Y.
Natrooo Asbestos Fibrekote Roof Coating, Asphalt Shingles, Asphalt Varnish, Bondkote Damp Proofing Materials, Everwhite Enamel, Factory White Paint, Flat Wall Finish, Paints—Ready Mixed, Roofing, Shingle Stain, Varnishes. National Roofing Co., Tonawanda, N. Y.
Natrooo XX Graphite Paint. National Roofing Co., Tonawanda, N. Y.
Natrolac Varnish. National Roofing Co., Tonawanda, N. Y.
Natrolin Cleaning Products. W. A. Fuller Co., Inc., Greensburg, Pa.
Natrona Bi-carbonate of Soda. Pennsylvania Salt Mfg. Co., Phila.
Natural Springs Sanitary Drinking Fountains. March-Tenny Co, Muskegon Heights, Mich.
Natural Voice Talking Machines. Natural Voice Phonograph Co., Inc., Oneida, N. Y.
Nature Studio Weather Vanes. Nature Studio, Elk Ridge, Md.
Naturndum Emery and Corundum Wheels. National Grinding Wheel Co., Buffalo, N. Y.
Naturo Water Closets. Walls, Owen & Stambach Co., Phliadelphia.
Natweld Welding Outfit. National Gauge & Equipment Co., La Crosse, Wis.
Natwire—Wire Specialties, Rat Traps. Wickwire Spencer Steel Corp., New York.
Naugatuck Copper Floats. Naugatuck Mfg. Co., Naugatuck, Conn.
Naumkeg Marine Engines. Zina Goodell, Salem, Mass.
Navajo Belting. Jewell Belting Co., Hartford, Conn.
Navajo Horse Blankets. J. L. Hubbell, Ganado, Ariz.
Naval Nickel Babbitt Metal. Union Smelting & Refining Co., Newark, N. J.
Navalite Enameled Iron Pipe Conduits. Mark Mfg. Co., Evanston, Ill.
Navalite Exterior Varnish. Chicago Varnish Works, Chicago; E. I. du Pont de Nemours & Co., Inc., Paint and Varnish Dept., Phila.
Navalite Marine Varnish. Chicago Varnish Co., Chicago.
Navaloy Babbitt Metal. U. T. Hungerford Brass & Copper Co., New York.
Navco Pipe Fittings and High Pressure Valves. National Valve & Mfg. Co., Pittsburgh.

Navco Valves and Fittings. National Valve & Mfg. Co., Pittsburgh, Pa.
Navigator Lubricating Oil. Frank W. Kimball, Boston, Mass.
Naviol Preservative. Kettle River Co., Minneapolis, Minn.
Navy Belting. Baltimore Belting Co., Baltimore, Md.
Navy Boat Anchors. Wilcox, Crittenden & Co., Inc., Middletown, Conn.
Navy Oil Cups. American Lubricator Co., Detroit.
Navy Padlocks. E. T. Fraim Lock Co., Lancaster, Pa.
Navy Screw Feed Grease Cups. American Lubricator Co., Detroit, Mich.
Navy Special Leather Belting. Baltimore Belting Co., Baltimore, Md.
Navy Unions and Flange Unions. Crane Company, Chicago.
Nawoo Clocks and Watches. North American Watch Co., Inc., Mansfield, O.
Naylor Vortex Steam Separators. Howes & Phillips Iron Works, Newark, N. J.
Nazareth Cement. Nazareth Cement Co., Nazareth, Pa.
Nazel Air Hammers. Nazel Engineering & Machine Works, Philadelphia, Pa.
Nazel Pneumatic Forging and Power Hammers. Nazel Engineering & Machine Works, Philadelphia.
Neal Register Shield. Hall-Neal Furnace Co., Indianapolis, Ind.
Neal's Floor Plates. Peck, Stow & Wilcox, Southington, Conn.
Neapol Closets. Crane Co., Chicago.
Nearalard Cutting Oil. G. Whitfield Richards, Philadelphia, Pa.
Near Steel. Darwin & Milner Co., Inc., New York.
Nearwell Closets. Crane Co., Chicago.
Nebaco Drill Chucks. Nielson-Barton Chuck Co., Chicago.
Nebo Caboose Stoves. Gray & Dudley Hardware Co., Nashville, Tenn.
Neca Ground Connection Clamps. Novelty Electric Co., Philadelphia.
Nebulyte Oil and Gas Burners, Forges, Furnaces, Torches, Etc. Anthony Co., Long Island City, N. Y.
Nedus Drinking Fountains. Crane Co., Chicago.
Neely Asbestos Shingle Cutter and Punch. Federal-Buster Corp., Pittsburgh, Pa.
Neeley's Hose Menders. Cornelius Callahan Co., Boston, Mass.
Neecokote Flat Wall Paint. Eugene E. Nice Co., Philadelphia, Pa.
Neecolyte White Enamel. Eugene E. Nice Co., Philadelphia, Pa.
Neeospar Varnish. Eugene E. Nice Co., Philadelphia, Pa.
Neeron Primer for Galvanized Iron. Eugene E. Nice Co., Philadelphia, Pa.
Neff Index. Paschall Tool Co., Long Beach, Calif.
Negley Excavators. Indianapolis Cable Excavator Co., Indianapolis, Ind.
Negrite Roofing Paints. Armstrong Paint & Varnish Works, Chicago.
Neider Tufting Buttons. F. A. Neider Co., Augusta, Ky.
Neidich Carbon Paper. Neidich Process Co., Burlington, N. J.
Neio Products. Nebraska & Iron Steel Tank Co., Omaha, Neb.
Nela Electric Lamps. General Electric Co., Schenectady, N. Y.
Nelco Loose Leaf Binders. C. R. & W. A. Nelson, Inc., Chicago.
Nella Fire Extinguisher. W. D. Allen Mfg. Co., Chicago.
Nellis Grapple Forks. Milwaukee Hay Fork Co., Milwaukee, Wis.; J. E. Porter Co., Ottawa, Ill.; G. A. Swineford Co., Canton, O.; Whitaker Mfg. Co., Chicago.
Nellis Harpoon Forks. F. E. Myers & Bro., Ashland, O.
Nelseco Engines. New London Ship & Engine Co., Grpton, Conn.
Nelson Cell Caustic Soda and Chlorine. Warner Chem. Co., New York.
Nelson Drill Head. Nelson-Blanck Mfg. Co., Detroit, Mich.
Nelson Extractors, Filters, Separators. John Acton, Brooklyn, N. Y.
Nelson Loose Pulleys. Wilmarth & Morman Co., Grand Rapids, Mich.
Nelson Master Slab Roofs. B. F. Nelson Mfg. Co., Minneapolis, Minn.
Nelson Metal Polish. Jewel Mfg. Co., Chicago.
Nelson Paper Punching Dies and Machines. C. R. & W. A. Nelson, Inc., Chicago.
Nelson Sanitary Drinking Fountains. N. O. Nelson Mfg. Co., St. Louis.
Nelson Valves. Nelson Valve Co., Philadelphia, Pa.
Nelsonville Paving Blocks. The Nelsonville Brick Co., Nelsonville, O.
Nemco Expanded Metal Waste Baskets, Plasterers' Steel Corner Beads. North Western Expanded Metal Co., Chicago.
Nemo Car Couplers. McConway & Torley Co., Pittsburgh.
Nemo Corn Brooms. Universal Broom Co., Chattanooga, Tenn.
Nemo Hose, Belt and Packing. W. H. Salisbury & Co., Inc., Chicago.
Nemours Pyralin Toilet Articles. E. I. du Pont de Nemours & Co., Inc., Pyralin Div., Arlington, N. J.
Neola Lavatories. Crane Co., Chicago.
Neolin Soles. Goodyear Tire & Rubber Co., Akron, O.
Neosote Wood Preservative. Protexol Corp., New York.
Ne-Pac Belting, Hose and Packings. Capen Belting & Rubber Co., St. Louis, Mo.
Nephi Casting, Finishing and Hardwall Plasters and Keenes Cement. Nephi Plaster & Mfg. Co., Salt Lake City, Utah.
Ne Plus Ultra Doors. American Compound Door Co., Chicago.
Nepolite Cold Water Paint. The Neptune Paint Co., Hudson, Mich.
Neponset Building Products and Roofs. Bird & Son, Inc., East Walpole, Mass.
Neponset Electric Fixtures and Portables. Coffin Valve Co., Boston.
Neponset Parvit Asphalt Roofing and Paper. Bird & Son, Walpole, Mass.
Neponset Roofing, Deadening Felts, Insulating Paper Saturated Asphalt Shingles, Fibre Shipping Cases. Bird & Son, E. Walpole, Mass.
Neponset Rubber Hose. National India Rubber Co., Bristol, R. I.
Nepto Bathing Caps, Rubber Gloves. Star Rubber Co., Akron, O.
Neptune Atlantic Rubber Covered Wire. Atlantic Insulated Wire & Cable Co., Stamford, Conn.
Neptune Belting. Graton & Knight Mfg. Co., Worcester, Mass.
Neptune Car Cable. Atlantic Insulated Wire & Cable Co., New York.
Neptune Dynamo Belting. Graton & Knight Mfg. Co., Worcester, Mass.
Neptune Engine Lubricators. Wm. Powell Co., Cincinnati, O.
Neptune Fire Hose. Goodall Rubber Co., Philadelphia, Pa.
Neptune Fishing Reels. A. F. Meisselbach Mfg. Co., Inc., New York.
Neptune Gum Core Packing. Quaker City Rubber Co., Philadelphia.
Neptune Insulated Wire. Atlantic Insulated Wire & Cable Co., Stamford, Conn.
Neptune Keystone Hair Insulator. Johns-Manville, Incorporated, New York.
Neptune Petroleum Products. Crew Levick Co., Philadelphia, Pa.
Neptune Pneumatic Water Supply Systems. Fleck Bros. Co., Phila.
Neptune Rod Packing. Quaker City Rubber Co., Philadelphia, Pa.
Neptune Suction Hose. W. D. Allen Mfg. Co., Chicago.
Neptunite Varnishes Lowe Bros. Co., Dayton, O.
Nereis Baths. Crane Co., Chicago.
Nernst Lamps. The Stupakoff Laboratories, Pittsburgh, Pa.
Nero Door Hangers. Richards-Wilcox Mfg. Co., Aurora, Ill.
Nerveze Rubber Heels. Plymouth Rubber Co., Canton, Mass.
Nesbit Hot Air Furnaces. Standard Furn. & Supply Co., Omaha, Neb.
Nesco Products. National Enameling & Stamping Co., New York.
Nest-O-Cone Sand and Gravel Washing and Separating Screen. Blesanz Stone Co., Winona, Minn.
Nest Egg Savings Bank. Steel Products Corp. of Cal., San Francisco.
Nestor Engine Lubricators. Wm. Powell Co., Cincinnati.
Nestor Paper Weight. Dean & Williams Co., Chicago.
Nestor Quick-Acting Vises. Nestor Mfg. Co., Inc., New York.
Net-Bac Garnet Discs. Gardner Machine Company, (South Beloit) Beloit, Wis.
Netherland Pipe Hangers. John Simmons Co., New York.
Net Mesh Metal Lath. Milwaukee Corrugating Co., Milwaukee, Wis.
Net-Pin-Pak Hair Nets and Pins. Empire Notion Co., New York.
Nettleton End Cutting Nippers. Starr Bros. Bell Co., East Hampton, Conn.
Neuachat Gasoline Soldering Iron. Globe Gas Light Co., Boston.
Neumar Lavatories. Crane Co., Chicago.
Neutrasol Silk Oil. Neutrasol Products Corp., New York.
Neupert Pistons. Neupert Manufacturing Co., Buffalo, N. Y.
Neutralock Locking Device. H-R Mfg. Co., Chicago.
Neutro Pine Odor Disinfectant. Chamberlain-Haber Chemical Co., Cleveland, O.
Nev Low Water Alarms. W. T. Ostrander & Co., New York.
Nev-A-Burn Stove Polish. Chase, Roberts & Co., Long Island City, N. Y.
Nevada Lavatories. Crane Co., Chicago.
Nevaleak Faucets. James B. Clow & Sons, Chicago.
Nevasplit Headlining. Keyes Products Co., New York.
Neva-Stain Non-Corrosive Steel. Ludlum Steel Co., Watervliet, N. Y.
Nevatee Toilet Paper, Paper Towels and Holders. The Geo. T. Johnson Co., Boston, Mass.
Never-Bend Wash Boilers. H. Behrens Mfg. Co., Winona, Minn.
Never-Break Air Brake Reservoirs, Elevator Buckets, Flanges Wheels, Post Hole Diggers, Lighting System Tanks, Iron and Steel Posts, Pipe Hooks, Shovels, Spades, Scoops, Steel Cylinder Tanks. Avery Stamping Co., Cleveland, O.
Neverbreak Belt Lacing. California Tanning Co., St. Louis, Mo.
Neverbreak Buckskin Lace Leather. California Tanning Co., St. Louis.
Never Break Flange Wheels. Bates Forge Co., Indianapolis, Ind.
Never-Break Furnace Casing Rings. Walworth Run Foundry Co., Cleveland.
Never Break Incandescent Guards. Frank W. Morse, Boston, Mass.
Neverbreak Lamp Guards. Hamblin & Russell Mfg. Co., Worcester, Mass.
Neverbreak Leather Belting. Strong Mach'y & Sup. Co., New York.
Never Break Pike Poles, Rising Forks. Columbus Handle & Tool Co., Columbus, Ind.
Never Break Roof Snow Guards. F. N. Peter & Bro., Newside, Pa.
Never Break Sash Locks. Champion Hardware Co., Geneva, O.
Neverbreak Saw Vises. Clipper Tool Co., Buffalo, N. Y.
Neverbreak Seats, for Steel Cars. American Motor Body Co., Philadelphia, Pa.
Neverbreak Tack Claws and Pullers. W. G. Browne Mfg. Co., Kingston, N. Y.
Neverbreak Trunks. L. Goldsmith & Son, Newark, N. J.
Never Break Wheelbarrow Wheels. Toledo Wheelbarrow Co., Toledo, O.
Never Burn Drip Pans. Bronson-Walton Co., Cleveland, O.
Never Burn Enamels. Northwestern Chemical Co., Marietta, O.
Neverbust Bottle Boxes. General Box Co., Dept, T, Chicago.
Never-Creep Anchors. Chance Company, Centralia, Mo.
Never-Creep Guy Anchor. Hubbard & Co., Pittsburgh, Pa.
Never Drip Mortar Hods. Cleveland Wire Spring Co., Cleveland.
Never Drip Wax Tapers. Columbia Wax Products Co., New York.
Never-Fail Animal Pokes. Hughes & Smythe, Galena, Ohio.
Neverfail Corn Shellers. Fate-Root-Heath Co., Plymouth, O.
Never Fail Cylinders. Red Jacket Mfg. Co., Davenport, Ia.
Never Fail Oil Cans, Automobile Tanks. J. A. Harps Mfg. Co., Greenfield, O.
Never-fail Oil Cups. American Injector Co., Detroit, Mich.
Never-Fail Pumps and Cylinders. Red Jacket Mfg. Co., Davenport, Ia.
Neverfail Boiler Oil Feeders. McRae & Roberts Co., Detroit, Mich.
Neverip Noiseless Blackboard Erasers. Beckley-Cardy Co., Chicago.
Never Jar Loose Lock Nuts. Drake Lock Nut Co., Cleveland.
Never Leak Oil Cans. Delphos Mfg. Co., Delphos, O.
Never Leak Range Boilers. Fleck Bros. Co., Philadelphia.
Neverleak Tire Fluid, Boilers and Radiators. Buffalo Specialty Co., Buffalo, N. Y.
Neverleek Auto Top and Curtain Cloth. F. S. Carr Co., Boston, Mass.
Never-Lose Erasers. Pershing & Co., South Bend, Ind.
Neverout Bicycle and Carriage Lamps and Garage Heaters. Rose Mfg. Co., Philadelphia.
Never-Rub Bow Separators. Springfield Auto Top & Upholstering Co., Springfield, Mass.
Neverust Exhaust Heads. Franklin Williams, Inc., New York.
Neverust Expansion Shields. Star Expansion Bolt Co., New York.
Neverust Signs. L. D. Nelke-Signs-New York (Inc.) New York.
Neversag Foundry Riddles. C. O. Jelliff Mfg. Co., Southport, Conn.
Never Sag Knitted Wire Bed Springs. Western Wire Products Co., St. Louis, Mo.
Neversink Boat Cushions. Chicago Flag & Decorating Co., Chicago.
Never-Sink Mooring Buoys. Jordan Bros. Lumber Co., Norfolk, Va.
Never-Slip Basin Clamps. Wolverine Brass Works, Grand Rapids, Mich.
Never-Slip Can Openers. Browne & Dowd Mfg. Co., Meriden, Conn.
Never Slip Car Movers. Hilts Wrench & Mfg. Co., Richford, N. Y.; Ransome Concrete Machinery Co., Dunellen, N. J.
Never-Slip Conductor Hooks. La Crosse Steel Roofing & Corrugating Co., La Crosse, Wis.
Never Slip Grease Cups. American Injector Co., Detroit, Mich.
Never Slip Hose Couplings. H. F. Neumayer & Son, Macungie, Pa.
Never-Slip Linesmen's Wire Grips. Mathias Klein & Sons, Chicago.
Never Slip Lock Washer. Tucker Tool & Machine Co., New York; National Umbrella Frame Co., Philadelphia, Pa.
Never Slip Nail Pullers. Belden Mach. Co., New Haven, Conn.
Never Slip Pipe Clamp. Wolverine Brass Works, Grand Rapids, Mich.
Never Slip Safety Clamps. Never Slip Safety Clamp Co., Canton, O.
Never Slip Stove Lid Lifters. Adell Mfg. Co., Orange, Mass.
Never-Slip Welding Compound. Neverslip Welding Compound Co., Mass.
Never-Split Closet Seats. Never-Split Seat Co., Evansville, Ind.
Never-Stretch Mattress. L. W. Stockwell Co., Los Angeles, Cal.
Never Tip Wire Strainers. Hamblin & Russell Mfg. Co., Worcester, Mass.
Never Turn Linemen's Climbers, Wire Connectors. Smith & Hemenway Co., Inc., New York and Irvington, N. J.
Never-Turn Track Bolts. Bethlehem Steel Co., South Bethlehem, Pa.
Never Twist Screw Drivers. Braunsdorf-Mueller Co., Elizabeth, N. J. Oakland, Cal.
Neverslip Belting. Page Belting Co., Concord, N. H.
slip Works, New Brunswick, N. J.
Neverslip Floor Plates. American Pressed Steel Co., Philadelphia, Pa.

Neverslip Ice Creepers. Judson L. Thompson Mfg. Co., Waltham, Mass.
Neverslip Plumbers' Solder. E. M. Lang Co., Portland, Me.
Neverslip Soft Steel Rivets. Neverslip Works of The Mfrs. Iron & Steel Co., New Brunswick, N. J.
Neverslip Solder. E. M. Lang Co., Portland, Me.
Neverslip Switch Plates. Bethlehem Steel Co., South Bethlehem, Pa.
Neverslip Tractors. Monarch Tractor Co., Watertown, Wis.
Neverslip Wire Stretchers. Warren Specialty Mfg. Co., Warren, O.
Never Stretch Measuring Tapes. W. J. Brown Mfg. Co., Kingston, N. Y.
Never-Turn Bolts. Bethlehem Steel Co., Bethlehem, Pa.
Never Wear Out Pipe Heads. Rollins Supply Co., Chicago.
Neverwear-Neverbreak Steel Furniture. Buffalo Metal Furniture Mfg. Co., Buffalo, N. Y.
Neverwear Steel Restaurant Tables, Revolving Top Stools. Buffalo Metal Furniture Mfg. Co., Buffalo, N. Y.
Never-Wind Clocks. Tiffany Never Clock Corp., Buffalo, N. Y.
Neville More-Room Auto Steering Wheel. Neville Steering Wheel & Mfg. Co., Detroit, Mich.
Nev-o-fail Welding Outfit. Turner Brass Works, Sycamore, Ill.
Nev-r-lek Boiler Feeders, Float Valves. F. W. Foster Mfg. Co., Boston.
Nevplek Tank Float Valves. F. W. Foster & Sons Co., Boston, Mass.
Newaro Electrodes. Electric Arc Cutting & Welding Co., Inc., Newark, N. J.
Newark Dumb Waiters. Storm Mfg. Co., Newark, N. J.
Newark Filter Cloth; Wire Cloth; Testing Sieves. Newark Wire Cloth Co., Newark, N. J.
Newark Fire Boat Nozzles and Turret Fire Hose. A. W. Wheaton Brass Works, Newark, N. J.
Newark Gauge Glass Cutters. Newark Brush & Scraper Co.,Newark,N.J.
Newark Gear Cutting Machines. Newark Gear Cutting Machine Co., Newark, N. J.
Newark Gear Hobbing Machines. Newark Gear Cutting Machine Co., Newark, N. J.
Newark Pottery Calcined Plaster. Newark Plaster Co., Newark, N. J.
Newark Water Posts. Central Stamping Co., New York.
New Abbott Tumbling, Steel Ball Barrels. Abbott Ball Co., Hartford, Conn.
New Alert Force Pumps. Goulds Mfg. Co., Seneca Falls, N. Y.
New Allen Sodering Tool. L. B. Allen Co., Inc., Chicago.
New American Lawn Mowers. F. & N. Lawn Mower Co., Richmond, Ind.
New Badger Car Movers. Advance Car Mover Co., Appleton, Wis.
New Banner Anvil, Vise and Drill. Bloomfield Mfg. Co., Bloomfield, Ind.
New Blake Pipe Vises. Prentiss Vise Co., New York.
New Boss Garden Cultivators. Buffum Tool Co., Louisiana, Mo.
New Britain Drill Chuck. Union Mfg. Co., New Britain, Conn.
"New Britain" Six-Spindle Automatic Screw Machines, Multiple-Spindle Automatic Chucking Machines, Polishing and Buffing Machines, Chain-Saw Mortisers, Dado Machines, Shop Furniture, Gear Cutting Machines, Benches, Bench Legs, Bench Drawers, Work Stands, Vise Stands, Stools, Vises, Lathe Pans, Stock Racks, Tote Boxes, Tote Box Racks, Steel Tables, Steel Shelving, Tool Racks, Screw Machine Products and Tractors. The New Britain Machine Co., New Britain, Conn.
New Brooke Thermometers. C. J. Tagliabue Mfg. Co., Brooklyn, N. Y.
New Buckeye Portable Saw Mills. Enterprise Co., Columbiana, O.
New Bulldog Mine Trolley Clamps. The Ohio Brass Co., Mansfield, O
New Cement Tester. Tinius Olsen Testing Machine Co., Philadelphia, Pa.
New Century Carbon Black. L. Martin Co., New York.
New Century Chain Hoist. New Century Hoist Mfg. Co., Lock Haven, Pa.
New Century Coal Washing Machinery, Separators, Rock and Ore Crushers. American Concentrator Co., Joplin, Mo.
New Century Corn Binders, Grain Harvesters. Walter A. Wood Mowing & Reaping Machine Co., Hoosick Falls, N. Y.
New Century Field Tester. Century Electrical Co., Syracuse, N. Y.
New Century Fruit and Vegetable Parers. Goodell Co., Antrim, N. H.
New Century Gas and Oil Stove Ovens. A. Geisel Mfg. Co., St. Louis.
New Century Lemon Squeezers. Tri-Angle Mfg. Co., Freeport, Ill.
New Century Nut Crackers and Picks. Tri-Angle Mfg. Co., Freeport, Ill.
New Century Padlocks. E. T. Fraim Lock Co., Lancaster, Pa.
New Century Pumps. F. E. Myers & Bro., Ashland, O.
New Century Screw Drivers. Braunsdorf, Mueller Co., Elizabeth, N. J.
New Century Switchstands. Bethlehem Steel Co., Bethlehem, Pa.
New Century Three Star Cultivators. Roderick Leam Mfg. Co., Mansfield, O.
New Century Tire Benders. Champion Blower & Forge Co., Lancaster, Pa.
New Century Windmill Pumps. Humphreys Mfg. Co., Mansfield, O.
New Chicago Ice Cream Freezers. Horizontal Freezer Co., Chicago.
New Columbia Heaters. South Park Foundry & Mach. Co., St. Paul.
New Comer Auto Trailers. D. A. New Comer Co., Los Angeles, Cal.
New Comer Auto, Truck and Industrial Trailers. New Comer Trailer Mfg. Co., Los Angeles, Cal.
New Crescent Wheelbarrow. The Lansing Company, Lansing, Mich.
New Dandy Shoveling and End Gate Boards. Kingman Plow Co., Peoria, Ill.
New Delnge Pumps. Goulds Mfg. Co., Seneca Falls, N. Y.
New Departure Battery Motors. Lional Mfg. Co., New York.
New Departure Bearings. New Departure Mfg. Co., Bristol, Conn.
New Departure Disc Cultivators. Pattee Plow Co., Monmouth, Ill.
New Departure Lawn Mowers. Supplee-Biddle Hardware Co., Phila.
New Departure Mop Sticks and Holders. H. E. Hagglund, Chicago.
New Departure Packing. Belmont Packing & Rubber Co., Philadelphia, Pa.
New Departure Stamp Pads. B. C. Volger Mfg. Co., Passaic, N. J.
New Departure Steel Balls, Ball Bearings, Bells and Gongs, Car Journals, Coaster Brakes, Cyclometers. New Departure Mfg. Co., Bristol, Conn.
New Diamond Molders' Flasks. Oscar Barnett Foundry Co., Irvington, N. J.
New Diamond Sink Strainers. Roseland Can & Specialty Co., Rockford, Ill.
New Diaphragm Pumps. Goulds Mfg. Co., Seneca Falls, N. Y.
New Duke Riding Listers. Peru Plow & Wheel Co., Peru, Ill.
New Duplex Die Stocks. The Hart Mfg. Co., Cleveland, O.
New Duplex Pump. The Goulds Mfg. Co., Seneca Falls, N. Y.
New Easy Bolt Clippers. H. K. Porter, Everett, Mass.
New Easy Sled Cultivators. Ohio Cultivator Co., Bellevue, O.
New Ebbert Farm Wagons. Pekin Wagon Co., Pekin, Ill.
New Eclipse Sulky Plows. Madison Plow Co., Madison, Wis.
New Emerald Cook Stoves. B. C. Bibb Stove Co., Baltimore, Md.
New England Kitchen Enameled Ware. New England Enameling Co., Middletown, Conn.
New England Lawn Mowers. Dille & McGuire Mfg. Co., Richmond, Ind.; Worcester Lawn Mower Co., Worcester, Mass.
New England Lawn Swings. C. W. H. Moulton Co., Somerville, Mass.
New England Rock Crushers. New England Road Machinery Co., Boston.
New Enterprise Stoves. Pittston Stove Co., Pittston, Pa.
New Era Bus Ventilator. Railway Utility Company, Chicago.
New Era Checkwriter. New Era Mfg. Co., New York.
New Era Clothes Washing Machines. Glascock Bros. Mfg. Co., Muncie, Ind.
New Era Cultivators. Kingman Plow Co., Peoria, Ill.
New Era Dough Mixing and Kneading Machinery. American Oven & Machine Co., Chicago.
New Era Grader. Austin Mfg. Co., Chicago, Ill.
New Era Grain Drills. Dempster Mill Mfg. Co., Beatrice, Neb.
New Era Lacquers. New Era Lustre Co., New Haven, Conn.
New Era Lubricating Compound. International Chemical Co., Philadelphia, Pa.
New Era Pasteurizing Machines. Loew Mfg. Co., Cleveland.
New Era Plow Mfrs. C. Billups' Son & Co., Norfolk, Va.
New Era Postage Stamp Affixing Machines. New Era Mfg. Co., New York.
New Era Pressure Regulators. Locke Regulator Co., Salem, Mass.
New Era Printing Machinery. Regina Co., New York.
New Era Regulators and Valves. Locke Regulator Co., Salem, Mass.
New Era Shovel Plows. Gale Mfg. Co., Albion, Mich.
New Era Sparking Points. New Era Spring & Specialty Co., Detroit, Mich.
New Era Switch Stands. Bethlehem Steel Co., Bethlehem, Pa.
New Era Tank Heaters. Butler Mfg. Co., Kansas City, Mo.
New Era Waffle Irons. Indiana Hollow Ware Co., Jeffersonville, Ind.
New Era Wagon Loaders. Austin Mfg. Co., Chicago.
New Era Water Coolers. Buffalo Mfg. Co., Buffalo, N. Y.
New Eureka Belt Lacing. Manufacturers' Belt Hook Co., Chicago.
New Eureka Molders' Flasks. Smith & Caffrey Co., Syracuse, N. Y.
New Eureka Snap Flasks. Smith & Caffrey Co., Syracuse, N. Y.
New Excelsior Horse Lawn Mowers. Chadborn & Coldwell Mfg. Co., Newburgh, N. Y.
New Finish Furniture Polish. Baum Bros. Co., Denver, Colo.
New Foot Lift Gang and Sulky Plows. J. I. Case Plow Wks., Racine, Wis.
New Fosston Fanning Mills. New Liberty Washing Machine Co., St., Paul, Minn.
New Giant Barn Door Hangers. Lawrence Bros., Sterling, Ill.
New Globe Rubber Horse Shoe Pads. Revere Rubber Co., Chelsea, Mass.
New Great Western Threshers. Harrison Machine Works, Belleville, Ill.
New Haven Brick Press Machines. Eastern Machinery Co., New Haven, Conn.
New Haven Edge Tool Co., Box Scrapers. Sargent & Co., New Haven, Conn.
New Haven Lathes. Driggs Ordinance & Mfg. Corp., New Haven, Conn.
New Haven Novelty Bit Braces. W. A. Ives Mfg. Co., Wallingford, Conn.
New Haven Reel Stands. New England Wire Machinery Co., New Haven, Conn.
New Haven Sand Blast Machines and Equipment. New Haven Sand Blast Co., New Haven, Conn.
New Haven Trolley Wheels and Trolley Wheel Bushings. H. B. Ives Co., New Haven, Conn.
New Hero Fodder Cutters. Appleton Mfg. Co., Batavia, Ill.
New Herreshoff Roasting Furnaces. General Chemical Co., New York.
New Hist Potato Diggers. Hist Potato Machinery Co., Alliance, O.
New Holland Crushers, Grinders, Engines, Mills, Sawing Machines. New Holland Machine Co., New Holland, Pa.
New Home Hot Air Furnaces. Hood Furnace & Supply Co., Corning, N. Y.
New Huber Steam Road Rollers, Self-Feeders and Band Cutters, Traction Engines. Huber Mfg. Co., Marion, Ohio.
New Idea Acetylene Gas Machines. Texas Acetylene Co., Cleburne, Texas.
New Idea Bed and Furniture Casters. Faultless Caster Co., Evansville, Ind.
New Idea Garden Cultivators, Manure Spreaders, Spring Tooth Harrows. New Idea Spreader Co., Coldwater, Ohio.
New Idea Gas Ranges. A. B. Stove Co., Battle Creek, Mich.
New Idea Hinges. Stover Mfg. Co., Freeport, Ill.
New Idea Hog Oiler. Rowe Mfg. Co., Galesburg, Ill.
New Idea Hog Rings. Decker Mfg. Co., Keokuk, Ia.
New Idea Paper Folding Machines. Cleveland Folding Machine Co., Cleveland, Ohio.
New Idea Pipeless Furnaces. Utica Heater Co., Utica, N. Y.
New Idea Soldering Flux. Wm. J. Hartwig Co., Detroit, Mich.
New Idea Wagon Jacks. Samuel S. Joy, Rockingham, N. H.
New Ideal Floor Hinges. Stover Mfg. & Engine Co., Freeport, Ill.
New Ingersoll Coal Puncher. Ingersoll-Rand Company, New York.
New Irvin Automatic Stapling Machine. Alex. H. Irvin Co., Curwensville, Pa.
New Jap Door Hangers. Richards-Wilcox Mfg. Co., Aurora, Ill.
New Jersey Copper Paint. New Jersey Paint Wks., New Jersey, N. J.
New Jersey Metal Polish. N. J. Paint Works, Jersey City, N. J.
New Judson Governor. The Judson Governor Co., Rochester, N. Y.
New Judson Steam Engine Governors. Vicksburg Governor Co., Vicksburg, Mich.
New-Klek, Cocks, Feeders, Valves. F. W. Foster Mfg. Co., Boston, Mass.
New Kink Pot Covers. Republic Metalware Co., Buffalo, N. Y.
New Lawn Mowers. Phila. Lawn Mower Co., Philadelphia.
New Lawn Sprinklers and Hose Nozzles. H. F. Neumeyer & Sons, Macungie, Pa.
New Liberty Clothes Washing Machines. New Liberty Washing Machine Co., St. Paul, Minn.
New Life Belt Dressing. Chicago Rawhide Mfg. Co., Chicago.
New Life Polishes. H. M. Hallett & Co., Ludington, Micn.
New Lightning Pumps. Goulds Mfg. Co., Seneca Falls, N. Y.
New Lion Harrows. Ohio Rake Co., Dayton, Ohio.
New Magic Lawn Mowers. Dille & McGuire Co., Richmond, Ind.
New Maple Wood Heater. The Toppan Stove Co., Mansfield, O.
New Model Clover Cutters. Silver Mfg. Co., Salem, Ohio.
New Market Gas Burners. American Lava Corp., Chattanooga, Tenn.
New Marseilles Cylinder Corn Shellers. Marseilles Works of Deere & Co., E. Moline, Ill.
New Michigan Barrows. The Lansing Company, Lansing, Mich.
New Miller Clothes Washing Machines. N. C. Baughman, York, Pa.
New Mite Push Buttons. Edwards & Co., New York.
New Model Clover Cutters. Silver Mfg. Co., Salem, Ohio.

New Model Drill Chucks. Skinner Chuck Co., New Britain, Conn.
New Model Lawn Mowers. Chadborn & Coldwell Mfg. Co., Newburgh, N. Y.
New Model Pumps. The F. E. Myers & Bro. Co., Ashland, O.
New Model Sickel Grinders. R. Herschel Mfg. Co., Peoria, Ill.
New Model Straight Ladders. Bent Rung Ladder & Mfg. Co., Indiana, Pa.
New Model Tube Expander. Ajax Mfg. Co., Pittsburgh, Pa.
New Modern Feed Carriers, Stock Fountains, Farm Gates. Glor Bros. & Willis Mfg. Co., Attica, N. Y.
New Molby Self-Feeding Boiler. Molby Boiler Co., Lansdale, Pa.
New Monarch Air Tools. Monarch Pneumatic Tool Co., St. Louis, Mo.
New Monarch Automatic Pile Drivers, Hammers. Henry J. McCoy, New York.
New Mystic Lawn Mowers. Granite State Mowing Machine Co., Hinsdale, N. H.
New 1903 Metropolitan Garden Barrows. Thos. McWhinnie, Poughkeepsie, N. Y.
New Never Slip Car Movers or Pushers. Appleton Car Mover Co., Appleton, Wis.
New Niagara Water Meters. Buffalo Meter Co., Buffalo, N. Y.
New No. 8 Feed Cutters. Thornburg Mfg. Co., Bowling Green, O.
New Ohio Cultivators. Ohio Cultivator Co., Belleville, Ohio.
New Ohio Fodder Shredders. Silver Mfg. Co., Salem, Ohio.
New Orleans Pattern Hooks. Sargent & Co., New Haven, Conn.
New Owatonna Churns. Owatonna Fanning Mill Co., Owatonna, Minn.
New Peerless Grain Separators. Emerson-Brantingham Co., Rockford, Ill.
New Perfection Oil Cooking Stoves and Ovens. Cleveland Metal Products Co., Cleveland, Ohio.
New Prime Cultivators. Racine-Sattley Co., Springfield, Ill.
New Prize Sweep Horse Powers. Appleton Mfg. Co., Batavia, Ill.
New Prize Wood Heaters. The Toppan Stove Co., Mansfield, O.
New Process Air, Water, Steam and Gasoline Hose. Mulconroy Co., Inc., Philadelphia.
New Process Chilled Steel Shot and Sand Blast Abrasives. Harrison Supply Co., Boston 9, Mass.
New Process Gas Stoves, Parlor Gas Grates, Oil Stoves and Heaters. American Stove Co., St. Louis.
New Process Gas Stoves. New Process Stove Co., Cleveland, Ohio.
New Process Differentials. New Process Gear Corp., Syracuse, N. Y
New Process Hammer Snaps, Compression Rivet Dies and Plate Punches. Geo. F. Marchant Co., Chicago.
New Process Pinions. New Process Gear Corp., Syracuse. N. Y.
New Process Punches and Dies. Geo. F. Marchant Co., Chicago.
New Quaker Lawn Mowers. Supplee-Biddle Hardware Co., Phila.
New-R-Squeak Penetrating Oil. Nu-Back Mfg. Co., St. Louis, Mo.
New Racine Threshers. Belle City Mfg. Co., Racine, Wis.; International Harvester Co., Chicago, Ill.
New Radisco Variocouplers. A. H. Corwin & Co., Newark, N. J.
New Rapid Ice Breakers. North Bros. Mfg. Co., Philadelphia.
New Rapid Nutmeg Graters. Hamblin & Russell Mfg. Co., Worcester, Mass.
New Red Plumbing Specialties. Garrison Brass & Machine Wks., New York.
New Regal Heating Stove. B. C. Bibb Stove Co., Baltimore.
New Robinson Wire Fence Machine. Eureka Fence Mfg. Co., Richmond, Ind.
New Rover Lawn Mowers. Granite State Mowing Machine Co., Hinsdale, N. H.
New Royal Poultry Coops. Defiance Box Co., Defiance, Ohio.
New Royal Sewing Machines. Free Sewing Machine Co., Rockford, Ill.
New Royal Valves. Pierce, Butler & Pierce Mfg. Corp., New York.
New Sanitary Hot Air Registers. Wm. Highton & Sons Co., Nashua, N. H.
New Shepard Lathes. Shepard Lathe Co., Cincinnati, O.
New Silver Moon Stoves and Heaters. Jas. Spear Stove & Heating Co., Philadelphia, Pa.
New Sinton Baths. Crane Co., Chicago.
New Smith Wagons. Pekin Wagon Co., Pekin, Ill.
New South Farm Wagons. Auburn Wagon Co., Martinsburg, W. Va.
New South Bend Plows. South Bend Chilled Plow Co., South Bend, Ind.
New Southern Cultivators. International Harvester Company of America, Inc., Chicago.
New Standard Horse Nails. Standard Horse Nail Co., New Brighton, Pa.
New Standard Meat and Food Choppers. New Standard Hardware Works, Mt. Joy, Pa.
New Standard Ore Concentrators. Llewellyn Iron Wks., Los Angeles.
New Star Pixtures. Hunt, Helm, Ferris & Co., Harvard, Ill.
New Star Metal Bodies. New Star Auto Metal Works, Chicago.
New State Concrete Mixers. Demorest Mfg. Co., Enid, Okla.
New Stoughton Farm Wagons, Harrow Attachments. Stoughton Wagon Co., Stoughton, Wis.
New Stromberg Carbureter. Stromberg Motor Devices Co., Chicago.
New Success Hydraulic Turbines and Turbine Water Wheels. S. Morgan Smith Co., York, Pa.
New Superior Band Saws. Jones Superior Machine Co., Chicago.
New Superior Fanning Mills. J. L. Owens Co., Minneapolis, Minn.
New Superior Gas Engines, Propeller Wheels. Lake Shore Engine Works, Marquette, Mich.
New Tank Alarms. W. R. Ostrander & Co., New York.
New Texas Cultivators. J. & I. Case Plow Co., Racine, Wis.
New Tornado Disc Harrows. B. F. Avery & Sons, Louisville, Ky.
New Type Gear Cutting Machines. Gould & Eberhardt, Newark, N. J.
New Type Weight Recorders. Streeter-Amet Weighing & Recording Co., Chicago.
New U-Dent Screen Plates. Remaly Mfg. Co., Inc., Tamaqua, Pa.
New Undine Baths. Crane Co., Chicago.
New Universal Plow Coulters. Moline Plow Co., Moline, Ill.
New Victor Shoveling and End Gate Boards. Kingman Plow Co., Peoria, Ill.
New Watson Potato Sprayer Pumps. Field Pump Co., Elmira, N. Y.
New Way Battery Chute Elevators. Bryant Zinc Co., Chicago.
New Way Corn Planters, Sulky Plows. Racine-Sattley Co., Springfield, Ill.
New Way Crystal Clothing Wardrobes. Grand Rapdis Show Case Co., Grand Rapids, Mich.
New Way Door Hangers, Girder Tracks, Barn Door Rails. F. E. Myers & Bro., Ashland, Ohio.
New Way Engines. New Way Motor Co., Lansing, Mich.
New Way Gasoline Engines. New Way Motor Co., Lansing, Mich.
New-Way Giant Tubular Door Hangers and Track. The F. E. Myers & Bro. Co., Ashland, O.
New Way Road Culverts and Wall Ties. Beatrice Steel Tank Mfg. Co., Beatrice, Neb.
New Way Systems for Laundries. Hilley Co., Inc., Philadelphia.
New-Way Tubular Door Hangers and Track. The F. E. Myers & Bro., Ashland, O.
New Western Shoveling Boards. True Mfg. Co., Eaton Rapids, Mich.
New Western Shoveling and End Gate Boards. W. B. Sturges & Sons, Shelbyville, Ill.
New Wing Aluminum Mailer. Chauncey Wing's Sons, Greenfield, Mass.
New Wonder Pumps. Chas. S. Harder, Catskill, N. Y.
New Wrinkle Incandescent Lamp Sockets, Socket Caps, Bodies and Bases. Bryant Electric Co., Bridgeport, Conn.
New Yankee Twist Drill Grinders. Wilmarth & Morman Co., Grand Rapids, Mich.
New York Air Brake. New York Air Brake Co., New York.
New York Auto Fixtures. New York Coil Co., New York.
New York Automatic Bottle Corking Machines. U. S. Bottlers' Machy. Co., Chicago.
New York Boiler Couplings. Trenton Brass & Machine Co., Trenton, N. J.
New York Champion Grain Drills. Champion Drill Co., Avon, N. Y.
New York Champion Sulky Hay Rakes. Bateman Mfg. Co., Grenloch, N. J.
New York Feed Cutters. Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
New York Grass Hooks. Knickerbocker Mfg. Co., Belleville, N. J.
New York Ground Connection Clamps. Cameron Appliance Co., Everett, Mass.; Ynokers Specialty Co., Yonkers, N. Y.
New York Pattern Store and Warehouse Trucks. Nutting Truck Co., Faribault, Minn.
New York Refrigerators. L. H. Mace & Co., New York.
New York Roll Paper Cutters. Hilts Wrench & Mfg. Co., Richford, N. Y.
New York Safety Dumb Waiters. Storm Mfg. Co., Newark, N. J.
New York Slat Irons. C. Cowles & Co., New Haven, Conn.
New York Standard Blasting Mats. A. P. Dienst Co., Inc., New York.
New York Step Ladders. W. W. Babcock Co., Bath, N. Y.
New York Switch. New York Switch & Crossing Co., Hoboken, N. J.
New York Water Filters. New York Cont. Jewell Filtrn. Co., Nutley, N. J.
Newaygo Portland Cement. Newaygo Port. Cement Co., Newaygo, Mich.
Newbern's Metal Polish. American Aromatic Disinfector Co., Philadelphia, Pa.
Newburgh Lawn Mowers. Chadborn & Coldwell Mfg. Co., Newburgh, N. Y.
Newcode Ordinary Receptacles. Stanley & Patterson, New York.
Newcombe Grease Cups and Plug Lubricators. Dielmore Valve Co., Tacoma, Wash.
Newcup Oil Cups. The Newton Mfg. Co., Plainville, Conn.
Newello Magic Slates. Richmond Bros. Co., Newark, N. J.
Newgard Switch Boxes, Panel Board Cabinets and Conduit Box Receptacles. Henry Newgard & Co., Chicago.
Newhall Guard Rails. Cleveland Railway Supply Co., Cleveland, O.
Newhouse Animal Traps. Oneida Community (Ltd.), Oneida, N. Y.
Newman Brackets, Metal Polish, Signs, Ticket Choppers. Newman Mfg. Co., Cincinnati, O.
Newman Continuous Service Foot Valves. Newman Mfg. Co., New York.
Newman Emery Planers. Tanite Co., Stroudsburg, Pa.
Newman Foot Valves. A. & F. Brown Co., Elizabethport, N. J.
Newman Rotary Chuck. Newman Mfg. Co., Cincinnati, O.
Newman Solderless Capping Machines. Newman Tool Co., New York.
Newman Watchman's Clocks. W. & R. Riggs & Bro., Philadelphia, Pa. Newman Clock Co., New York.
Newman's New Inside Molder. Newman Machine Co., Greensboro, N. C.
Newmarket Cultivators, Spring Tooth Harrows. South Bend Chilled Plow Co., South Bend, Ind.
Newport Armatun Sheets. Newport Rolling Mill Co., Newport, Ky.
Newport Culvert Pipe. Newport Culvert Co., Inc., Newport, Ky.
Newport Electrical A and Special Sheets. Newport Rolling Mill Co., Newport, Ky.
Newport Lawn Sprinklers. W. D. Allen Mfg. Co., Chicago.
Newport Oils, Rosin and Turpentine. General Naval Stores, New York.
Newport Ranges. Boynton Furnace Co., Chicago, Ill.
Newport Stop and Waste Cocks. Hamlin & Emery Brass Co., Boston, Mass.; The Kelly & Jones Co., Greensburg, Pa.
Newred Plumbers Force Cups. Geo. W. Heiland, New York.
Newsteel Automobile Steel Sheets. Newton Steel Co., Youngstown, O.
Newton Cupola Furnaces. Northern Engineering Works, Detroit.
Newton Crossing Signals. Handlan-Buck Mfg. Co., St. Louis, Mo.
Newton Cupolas, Furnaces. Northern Engineering Works, Detroit, Mich.
Newton Drag Road Scrapers. Skow Mfg. Co., Newton, Ia.
Newton Farm Wagons. Emerson-Brantingham Co., Rockford, Ill.
Newton Grain Graders. One Minute Mfg. Co., Newton, Ia.
Newton Milling and Boring Machinery, Shapers, Slotters, Tools. Newton Machine Tool Works, Inc., Philadelphia, Pa.
Newton Milling, Slotting, Rotary and Crank Planing Machines. Consolidated Machine Tool Corp. of America, Rochester, N. Y.
Newton Oiling Nozzle. Wolf Lamp Co. of America, Inc., Brooklyn, N. Y.
Newton Steam Traps. Providence Steam Trap Co., Providence, R. I.
Newton-Stoakes Pens and Inks. Automatic Lettering Pen Co., Pontiac, Mich.
Newton and Pewings Replacers. The Q & C Co., New York.
Newton & McGee Cattle Dehorners. Leavitt Mfg. Co., Urbana, Ill.
Newton's Railway Crossing Signals. Handlan-Buck Mfg. Co., St. Louis.
Newtone Motor Horns. E. A. Laboratories, Inc., Brooklyn, N. Y.
Newtype Valves and Fire Hydrants. Kennedy Valve Mfg. Co., Elmira, N. Y.
Newway Bottom Pour Ladle. Jos. T. Ryerson & Son, Chicago.
Ney Drill Chucks. J. M. Ney Co., Hartford, Conn.
Ney Wire Stretchers. Ney Mfg. Co., Canton, Ohio.
Ni Copper Heat Resistance Wire for Railway Induction Motor Winding. General Electric Co., Schenectady, N. Y.
Niagara Automatic Fire Sprinklers. Automatic Sprinkler Co. of Am., New York.
Niagara Belting and Hose. Boston Belting Co., Boston.
Niagara Belting. Rubber Goods. Boston Belting Co., Boston, Mass.
Niagara Blast Furnaces. Tonawanda Iron & Steel Co., North Tonawanda, N. Y.
Niagara Blind Hinges and Self-Oiling Pulleys. Wrightsville Hardware Co., Wrightsville, Pa.
Niagara Boilers and Radiators. The Fairbanks Co., Chicago.
Niagara Boys' Axes. American Axe & Tool Co., Glassport, Pa.
Niagara Casting Dip. National Roofing Co., Tonowanda, N. Y.
Niagara Chain. American Chain Co., Inc., Bridgeport, Conn.

Niagara Chemicals. National Electrolytic Co., Inc., Niagara Falls, N. Y.
Niagara Clothes Lines. Estes Mills, Fall River, Mass.
Niagara Conoidal Pans. Buffalo Forge Co., Buffalo, N. Y.
Niagara Cooling Coils. American District Steam Co., No. Tonawanda, N. Y.
Niagara Cornice Brakes, Power Presses and Forming and Bending Machines. Niagara Machine & Tool Works, Buffalo, N. Y.
Niagara Currycombs, Swivels and Wall Ties and Bicycle Wrenches. Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Niagara Dishwashing Machines. G. S. Blakeslee & Co., Cicero, Ill.
Niagara Extinguisher. Buffalo Fire Appliance Corp., Buffalo, N. Y.
Niagara Falls Plaster Stucco. Niagara Gypsum Co., Buffalo.
Niagara Fire Hydrants. Macungie Brass & Mfg. Co., Macungie, Pa.
Niagara Fruit Pickers Ladders. John Bacon, Gasport, N. Y.
Niagara Gas Engines. Niagara Motors Corp., Dunkirk, N. Y.
Niagara Grain Emery. Niagara Emery Mills, Philadelphia.
Niagara Grease. Buffalo Refining Co., Buffalo, N. Y.
Niagara Grease Cups. Sherwood Mfg. Co., Buffalo, N. Y.
Niagara Grinders. Carborundum Co., Niagara Falls, N. Y.
Niagara Hinges, Pulleys. Wrightsville Hardware Co., Wrightsville, Pa.
Niagara Hot Air Furnaces. Forest City Fdry. & Mfg. Co., Cleveland.
Niagara Kerosene Lamp Burners. Edw. Miller & Co., Meriden, Conn.
Niagara Ladders. Bacon & Co., Gasport, N. Y.
Niagara Lawn Sprinklers. Novelty Mfg. Co., Waterbury, Conn.
Niagara Lubricating Greases. Buffalo Refining Co., Buffalo, N. Y.
Niagara Magnetic Separators, Mechanical Dust Collectors, Bran Dusters, Flour Mills, Aspirators, Wheat Scourers. Richmond Mfg. Co., Lockport, N. Y.
Niagara Meters. Buffalo Meter Co., Buffalo, N. Y.
Niagara Oil and Grease Cup Lubricators. Sherwood Mfg. Co., Buffalo, N. Y.
Niagara Oil Soap Graphite Lubricants. Swan & Finch Co., N. York.
Niagara Parting Compounds. Keystone Foundry Supply Co., Buffalo, N. Y.
Niagara Pig Iron. Tonawanda Iron & Steel Co., N. Tonawanda, N. Y.
Niagara Power Tube Cleaners. B. K. Elliott Co., Pittsburgh, Pa.
Niagara Power Presses; Punches; Rotary Shears; Squaring Shears and other Machines and Tools for Sheet Metal Working. Niagara Machine & Tool Wks., Buffalo, N. Y.
Niagara Pumps. Humphreys Mfg. Co., Mansfield, O.
Niagara Reclaimed Rubber. U. S. Rubber Reclaiming Works, New York.
Niagara Refrigerators. Niagara Refrigerator Works, Buffalo, N. Y.
Niagara Roofing. C. S. Garrett & Son Co., Philadelphia, Pa.
Niagara Saltpetre. Battelle & Renwick, New York.
Niagara Shaking Grates. Dobbie Foundry & Machine Co., Niagara Falls, N. Y.
Niagara Sheet Metal Working Machines, Tinners' Tools, Shears, Presses, Punches, Etc. Niagara Machine & Tool Works, Buffalo, N. Y.
Niagara Sprinkler Heads. Automatic Sprinkler Co. of Am., New York.
Niagara Steam Pumps. Norman Hubbard's Sons, Brooklyn, N. Y.
Niagara Vacuum Pumps. Norman Hubbard's Sons, Brooklyn, N. Y.
Niagara Wall Board. Niagara Wall Board Co., Buffalo, N. Y.
Niagara Water Hose. O. C. Keckley Co., Chicago.
Niagara Waterproof Belting Mfrs. Shultz Belting Co., St. Louis, Mo.
Niagara Waterproof Leather Belting. Johnson Belting Co., New York
Niagara Weather Strips. Niagara Metal Weather Strip Co., Buffalo, N. Y.
Niagara Conoidal Steel Plate Fans. Buffalo Forge Co., Buffalo, N. Y.
Niagara Vestpokitrenzhiz Bicycle Wrenches. Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Niagaratile Sheet Packing. Niagara Falls (Ont.) Gasket & Packing Co., Brooklyn, N. Y.
Niagratite Packing. U. S. Indestructible Gasket Co., New York.
Niagrite Asbestos Sleeving. Johns-Manville, Inc., New York.
Niagrite Cable Insulation. Johns-Manville, Incorporated, New York.
Niagrite Insulating Tube. Johns-Manville, Inc., New York.
Nibco Brushes. Silver-Chamberlin Co., Clayton, N. J.
Nibroc Bond Paper. Kraft and Kraft Towels. Brown Co., Portland, Me.
Nibroc Paper Kraft, Paper Bond. Brown Company, Portland, Me.
Nice Ball Bearings. Boston Gear Works, Norfolk Downs, Quincy, Mass.
Nice Diamond Ball Retainers. Nice Ball Bearing Co., Philadelphia, Pa
Nice Paints, Stains, Enamels, Varnishes, Colors, Japans, Fillers. Eugene E. Nice Co., Philadelphia, Pa.
Nicholls Floor Scrapers, Marking Gauges, Take-Down Squares. Nicholls Mfg. Co., Ottumwa, Ia.
Nichols Bros. Knives, Cleavers, Cutlery. The Wells Corporation, Greenfield, Mass.
Nichols-Lintern Locomotive Sanders. Ohio Brass Co., Mansfield, O.
Nichols-Lintern Sand Boxes. Holland Trolley Supply Co., Cleveland.
Nichols-Lintern Tail Light and Indicating Signal, Selector Switch Car Ventilators, Car Sanders. Nichols-Lintern Co., Cleveland, O.
Nichols Pump Valves; Foot Valve; Valve Discs. Fred Y. Nichols, Successor to S. R. Drum Mfg. Co., Chicago.
Nichols Tap Wrenches. J. M. Carpenter Tap & Die Co., Pawtucket, R. I.
Nichols Transfer Tables, Turntable Tractors. Geo. P. Nichols & Bro., Chicago.
Nicholson Arcing Rings. Locke Insulator Mfg. Co., Victor, N. Y.
Nicholson Automatic Eliminators, Piston Operated Steam Traps, Weight Operated Steam Traps and Steam Separators; Mandrels, Expanders, Couplings, Gauge and Cylinder Cocks, Arbor Presses; Tube Expanders. W. H. Nicholson & Co., Wilkes-Barre, Pa.
Nicholson Files. Nicholson File Co., Providence, R. I.
Nicholson Recording Ship Log. Nicholson Ship Log Co., Cleveland, O.
Nicholson Sphygmomanometer. Precision Thermometer & Instrument Co., Philadelphia.
Nicholson Thermic Syphons. Locomotive Firebox Co., Chicago.
Nichols & Shephard Straw Burning Traction Engines and Self Feeders. Nichols & Shepard Co., Battle Creek, Mich.
Nichrome IV Resistance Wire. Driver-Harris Co., Harrison, N. J.
Nichrome Resistance Wire; Weaving Wire; Dipping Baskets and Annealing and Case Hardening Boxes. Driver-Harris Co., Harrison, N. J.
Nickel Babbitt Metal. More-Jones Brass & Metal Co., St. Louis, Mo.
Nickel Copper. Apollo Metal Works Institute, La Salle, Ill.
Nickel Mint Peanut Roasters. Bartholomew Co., Peoria, Ill.
Nickel Plate Resistance Material. Driver-Harris Co., Harrison, N. J
NickelTin Tin Plates Nickel Plated. Apollo Metal Works Institute, La Salle, Ill.
NickelZinc Sheet Zinc Nickel Plated. Apollo Metal Works Institute, La Salle, Ill.
Nickelweld Welding Rods. Steel Sales Corp., Chicago.
Nickerson Porch Columns. Nickerson Mfg. Co., Knoxville, Tenn.
Nick-L-Works-Co. Locomotive. McKinnen Iron Works Co., Ashtabula, O.
Nickolas Lacquer. G. J. Nikolas & Co., Chicago.
Nico-Dust Dry Spray. Walnut Growers Spray Mfg. Co., Los Angeles.
Nico Paints. National Insulator Co., Boston, Mass.
Nico Pig Iron. Northern Iron Co., Plattsburgh, N. Y.
Nicolene Metal Novelties and Specialties; Inkstands and Wells. National Sheet Metal Works, Peru, Ill.
Nicol's Fish Tongs, Twine Boxes. Nicol & Co., Chicago.
Niedecken Mixer and Metallic Shower Bath Stalls. Hoffmann & Billings Mfg. Co., Milwaukee, Wis.
Nielson Fifth Wheels. Donigan & Nielson, Brooklyn, N. Y.
Nifty Can Openers. Taylor Mfg. Co., Hartford, Conn.
Nifty Pencils. United States Pencil Company, Philadelphia, Pa.
Niggerhead Lamp Sockets. Harter Mfg. Co., Chicago.
Night Commander Acetylene Gas Machines. U. S. Standard Co., Voorheesville, N. Y.
Night Light Candles. Assunta Barratta, New York.
Nigrum Oilless Bearings, Bushings and Washers. Bound Brook Oilless Bearings Co., Bound Brook, N. J.
Nigsoron Varnishes. Patterson-Sargent Co., Cleveland, O.
Nikolas Lacquers. G. J. Nikolas & Co., Chicago.
Nik-O-Lok Coin Controlled Locks. Michigan Coin Lock Co., Indianapolis, Ind.
Nilco Lamps. Nilco Lamp Works, Inc., Emporium, Pa.
Nile Water Hose. O. C. Keckley Co., Chicago.
Nile Paint and Finish. Flood & Conklin Co., Newark, N. J.
Niles Electric Traveling Cranes; Trolleys; Hoists; Mills. Niles-Bement-Pond Co., New York.
Niles Metal Wheels. Niles & Scott Co., LaPorte, Ind.
Niles Stamping. Niles Steel Products Co., Niles, Ohio.
Nilo Compound Water Meters. Union Water Meter Co., Worcester, Mass.
Nilo Glass Sealing Wire. Bario Metal Corp., New York.
Nilo Water Meters. Union Water Meter Co., Worcester, Mass.
Nilson Tractors. Nilson Tractor Co., Minneapolis, Minn.
Nilson Wire-Forming Machines, Reels. A. H. Nilson Machine Co., Bridgeport, Conn.
Niltra Tractor Belting. Carlton Belting Co., Boston.
1900 Cataract Washer. The 1900 Washer Co., Binghampton, N. Y.
1913 Concrete Mixers. Lansing Co., Lansing, Mich.
1905 Cyclone Centrifugal Dust Collectors. Knickerbocker Co., Jackson, Mich.
1900 Heavy Duty Corliss Engine. Filer & Stowell Co., Milwaukee, Wis.
1901 Plumbers' Rubber Elbows. H. O. Canfield Co., Bridgeport, Conn.
1916 Ratchet Wrenches. Lowell Wrench Co., Worcester, Mass.
900 Rubber Pump Valves. Quaker City Rubber Co., Philadelphia.
900 Series Sectional Boilers. Gurney Heater Mfg. Co., Boston, Mass.
98 Turntable Fruit and Vegetable Parers. Goodell Co., Antrim, N. H.
1917 Hoisting Winch. Lidgerwood Mfg. Co., New York.
Ninety-nine Drain Pipe Cleaners. Chemical Products Co., New York.
Ninety-six Brake Beams. Chicago Ry. Equipment Co., Chicago.
96 Gaskets. Jenkins Bros., New York.
Nions Carpets. Henry Rath, Jr., Philadelphia, Pa.
Niotus Tubing. Quaker City Rubber Co., Philadelphia.
Nip Brass to Iron Seat Unions. The Kelly & Jones Co., Greensburg, Pa.
Nip-it Strawberry Hullers. Stephens, Windsor & Co., Waltham, Mass.
Nip-On Roach Powder. Chamberlain-Haber Chemical Co., Cleveland, Ohio
Nipper Wire Rope Clips. Wilcox, Crittendon & Co., Inc., Middletown, Conn.
Niseco Diesel Engines. New London Ship & Engine Co., Seattle, Wash.
Nish Auto Body Polish. Rath Mfg. Co., Philadelphia, Pa.
Nitelite Electric Lamp Flashlights. Providence Electric Mfg. Co., Providence, R. I.
Nitro Carburetor. Sunderman Corp., Newburgh, N. Y.
Nitroglas Illuminating Glassware, Etc. Jefferson Glass Co., Chicago.
Nitrolite Lighting Fixtures. Harter Mfg. Co., Chicago
Nitrolites Electric Light Fixtures. Harter Mfg. Co., Chicago.
Nittany Brass. Titan Metal Co., Bellefonte, Pa.
Nivision Scythe Snaths. Seymour Mfg. Co., Seymour, Ind.
Nixon Climax Hose Nozzles. Dayton Mfg. Co., Dayton, O.
Nixon Ratchet Mining Drills. Nixon Mining Drill Co., Chattanooga, Tenn.
No-Bolt Elec. Fixture Studs. S. R. Fralick & Co., Chicago.
No Boy Bottle Blowing Machy. Lynch Glass Machy. Co., Anderson, Ind.
No-Co-Ro Metal Road Culverts. Canton Culvert & Silo Co., Canton, O.
No Drip Oil Cans. Wheeling Corrugating Co., Wheeling, W. Va.
No-Dust-O Sweeping Compounds. National Dust Down Co., Brooklyn.
No-Equal Cold Storage and Revolving Doors. Jamison Cold Storage Door Co., Hagerstown, Md.
No Fault Corn Poppers. Fred J. Meyers Mfg. Co., Hamilton, O.
No Gasket Meter Couplings. H. W. Clark Co., Mattoon, Ill.
No Gloss Wall Finish. Warren Paint & Color Co., Nashville, Tenn.
No If Engine Stops. Metallic Packing Mfg. Co., Elyria, O.
No-Jar Electric Lighting Fixture. Barnes-Gayney Co., Detroit.
No-Key Padlock Locks. American Keyless Lock Co., Chicago.
No Leak Sidewalk Doors. P. H. Jackson & Co., San Francisco.
No-Leak-O Piston Rings. No-Leak-O Piston Ring Co., Baltimore, Md.
No-Lus-Plug Flush Receptables. Machen Electric Mfg. Co., Phila.
No Mar Wire Letter Trays. Barbee Wire & Iron Works, Chicago.
No More Dust Sweeping Compounds. Climax-Western Oil Co., Minneapolis, Minn.
No-Name Flour Sifters. Peoria Can Co., Peoria, Ill
No-Nik Glassware. Albert Pick & Company, Chicago.
No-Nois Ceiling Treatment. Rubberstone Flooring Corp., New York.
No-Noise Deadening Felt. C. B. Hewitt & Bros., New York.
No-Ox-Id Rust Preventive. Dearborn Chemical Co., Chicago.
No-Rain-in-the-Face Weather Strips. Akron Garage Co., Akron, O.
No-Rek Switch Stands. Morden Frog & Crossing Works, Chicago.
No-Sag Screen Doors and Window Screens. Cadillac Lbr. Co., Cadillac, Mich.
No-Scale Land Boiler Compound. Illinois Boiler Cleaning Compound Co., Chicago.
No-Set-Screw Lathe Dog. Lutz-Webster Engineering Co. (Inc.), Philadelphia, Pa.
No Shock Hydrant and Pumps. Goulds Mfg. Co., Seneca Falls, N. Y.
No-Slip Motor Fan Belts. Woodsworth Mfg. Corp., Niagara Falls, N. Y.
No-Sol Copper Floats. Ayling & Reichert Co., Toledo, O.
No-Spark Carbon Brushes. Calebaugh Self-Lubricating Carbon Co., Inc., Philadelphia, Pa.
No-Splash Water Filters. Jones Mfg. Co., Boston, Mass.

No Steel Lamp Guards. Hamblin & Russell Mfg. Co., Worcester, Mass.
No-Stretch Motorcycle Belts. Hudson Belting Co., Worcester, Mass.
No-Ta Oil Cups. Rich Mfg. Co., Somerville, Mass.
No-Waste Roving Cans. Standard Fibre Co., Somerville, Mass.
No-Waste Tank Filler Caps. Illinois Brass Mfg. Co., Chicago.
No-Waste Toilet Tissue. National Paper Products Co., San Francisco, Cal.
No-Weld Chain. Chain Products Co., Cleveland, O.
Noack Built-in Fixtures. Concealo Fixture Co., Oakland, Cal.
Noah's Machine Paste. Boston Paste Co., Boston.
Noahs Pitch. Phillip Carey Co., Cincinnati, O.
Noala Pig Iron. Sloss-Sheffield Steel & Iron Co., Birmingham, Ala.
Noark Enclosed Fuses, Fuse Boxes. Johns-Manville, Inc., N. York.
Noark Fuses; Service Boxes; Switches. The Johns-Pratt Co., Hartford, Conn.
Nobby Feed Cutters. A. Buch's Sons Co., Elizabethtown, Pa.
Nob-E. Nob Glide Sliding Furniture Shoes. Victor Caster Co., Bridgeport, Conn.
Nobind Marine Stuffing Boxes. Upson-Walton Co., Cleveland.
Noble Self Feeding Drills. Handlan-Buck Mfg. Co., St. Louis, Mo.
Noble Sheet Packing. Acme Rubber Mfg. Co., Trenton, N. J.
Noble's Auger Bits. C. E. Jennings Co., New York.
Noble's Magnetic Separators. Capitol Brass Works, Detroit.
Nob-Lok Drill Couplings. C. A. Chaplin Co., Boston, Mass.
Nobrac Preserving Paints. Patterson-Sargent Co., Cleveland, O.
Nocer Garden Hose. Electric Hose & Rubber Co., Wilmington, Del.
Nocer Rubber Hose. Electric Hose & Rubber Co., Wilmington, Del.
Noco Automobile Oil. Northwestern Oil Co., Superior, Wis.
Noc-Out Hose Clumps. R. T. Mfg. & Sales Co., Green Bay, Wis.
Nodusto Sweeping Compounds. Masury-Young Co., Boston.
Noera. Oilers, Oil Cans. Noera Mfg. Co., Waterbury, Conn.
Noesting Pin Tickets; Tags; Thumb Tacks. Noesting Pin Ticket Co., Mt. Vernon, N. Y.
Noglare Glare Visors. Noglare Mfg. Co., Washington Ct. House, O.
Noheet Bearing Metal. Lubricating Metal Co., New York.
Noiseless Back Pressure Valves. The Kelly & Jones Co., Greensburg, Pa.
Noiseless Seam Roofing. Milwaukee Corrugating Co., Milwaukee, Wis.
Nolar Automobile Clocks. Pennsylvania Rubber Co., Jeannette, Pa.
Nokol Oil Burners. American Nokol Co., Chicago.
Nokomis Rubber Hose. National India Rubber Co., Bristol, R. I.
Nokoro Heater Wire. Consolidated Car Heating Co., Albany, N. Y.
Nokorode Paste and Salts Soldering. M. W. Dunton Co., Providence, R. I.
Nokorode Solderkit Soldering Sets. M. W. Dunton Co., Providence, R. I.
Nokoros Patent Unions. Illinois Malleable Iron Co., Chicago.
Nokut Valves. Richardson-Phenix Co., Milwaukee, Wis.
Nokut Wheels. Western Wheel Barrow Mfg. Co., So. Ft. Smith, Ark.
Nola Buckets, Cornices, Roofing, Tanks, Ventilators, Etc. New Orleans Roofing & Metal Co., New Orleans, La.
Nolan Automatic Caging Systems. Mining Safety Devices Co., Bowerston, O.
Nolan Blow-Off Valves. Schiller, Nolan & Co., Phliadelphia.
Noma Automobiles. Noma Motor Corp., New York.
Nomar Wood Stains. John W. Masury & Son, Brooklyn, N. Y.
Nomas Open and Closed Circuit Batteries. Electric Goods Mfg. Co., Canton, Mass.
Non-Breakable Messenger Hanger. Hubbard & Co., Pittsburgh, Pa.
Non-burn Brake Lining. Johns-Manville, Incorporated, New York.
Non-Carbon Auto Oil. Rex Oil Co., Chicago.
Non-Climable Factory Fence. Cyclone Fence Co., Waukegan, Ill.
Non-Cloggable Casters. The Hamilton Caster & Mfg. Co., Hamilton, O.
Non-Collapsible Copper Floats. Michigan Metal Spinning Mfg. Co., Detroit, Mich.
Non-Corrosive Pressure and Vacuum Gages. Star Brass Mfg. Co., Boston, Mass.
Non-Corrosive Soldering Sets. Wm. R. Winn, New York.
Non-Flake Typewriter Carbon Paper. Pen Carbon Manifold Co., New Brunswick, N. J.
Non-Fluid Lubricating Oils and Greases. N. Y. & N. J. Lubricant Co., New York.
Non-Fluid Oils. New York & New Jersey Lubricant Co., New York.
Non-Gran Bronze Metal Bearings, Bushings, Castings. American Bronze Corp., Berwyn, Pa.
Non-Grease Carbon Paper and Typewriter Ribbons. **Kee Lox Mfg.** Co., Rochester, N. Y.
Non-Li Kit Cutting Oil. Cosmic Chemical Co., Inc., New York.
Non-Oxi Oils. F. M. Cory & Co., Chicago.
Non-Plus-Ultra Corkboard. Rubberstone Flooring Corp., New York
Non-Pulsating Pumps. Luitweiler Pumping Eng. Co., Los Angeles, Cal.
Non-Rust Wrought Iron Turnbuckles. Harbor Mach. Co., Boston.
Non-Shine Chair Pads. Non-Shine Pad Co., Philadelphia.
Non Skid Listers. J. I. Case Plow Wks., Racine, Wis.
Non-Skid Stone Stair Treads. Euclid Stone & Brick Co., Cleveland.
Non-Slip Flexible Steel Rulers. National Rule Co., Rochester, N. Y.
Non-Smoke Disinfecting Candles. The C. B. Dolge Co., Westport, Conn.
Non-Smut Carbon Paper. Imperial Mfg. Co., Newark, N. J.
Non-Spinning Hoisting Rope. American Steel & Wire Co., Chicago.
Non-Split Closet Seats. Wm. S. Emery, New York.
Non-Theft Match Box Holders. Res Mfg. Co., Milwaukee, Wis.
Nonco Plumbing Goods. N. O. Nelson Mfg. Co., St. Louis, Mo.
None-Hold Back Screen Door Hinges. Grey Iron Casting Co., Mt. Joy, Pa.
None-Such Belting and Leather Aprons. Pechlin Belting Co., Phila.
None Such Can Openers. W. G. Browne Mfg. Co., Kingston, N. Y.
None Such Pumps. Ferguson Mfg. Co. Dubuque, Ia
Nonequal Corkboard. L. Mundet & Son, Inc., New York.
Nonequal Furniture Polish. Keep Bros., Philadelphia.
Nonesuch Feed Cutters. Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Nonesuch Plating Machines, Plating Barrels. A. P. Munning Co., Matawan, N. J.
Nonesuch Wool Flock. Strong Machinery & Supply Co., New York.
Nonex Chimneys, Globes, Battery Jars, Gauge Protectors, Headlight Front Glasses. Corning Glass Works, Corning, N. Y.
Nonex Gauge Glasses, Glass Battery Jars, Glass Chimneys, Lantern Globes. Corning Glass Works, Corning, N. Y.
Nonleakable Asphalt Heaters. Connery & Co., Philadelphia.
Nonolio Wax Polish. Damon Specialty Co., Los Angeles, Calif.
Nonotuck Folding and Card Tables. Coburn Trolley Track Mfg. Co., Holyoke, Mass.
Nonpareil Anti-Friction Metals. Theodore Hiertz Metal Co., St. Louis, Mo.
Nonpareil Automobile Trailer Trucks. Nonpareil Mfg. Co., Cochranton, Pa.
Nonpareil Babbitt Metal. Theo. Hiertz Metal Co., St. Louis, Mo.
Nonpareil Bone Mills, Corn and Cob Mills. L. J. Miller, Cincinnati.
Nonpareil Cork Tile. David E. Kennedy (Inc.), New York.
Nonpareil Corkboard Insulation, High Pressure Covering, Cork Covering, Insulating Brick and Cork Machinery Insulation. **Armstrong Cork & Insulation Co.,** Pittsburgh, Pa.
Nonpareil Dressing and Packing. John M. Watts' Sons, Philadelphia, Pa.
Nonpareil Electric Bells. Manhattan Electrical Supply Co., New York.
Nonpareil Generator Valves. Lunkenheimer Co., Cincinnati, O.
Nonpareil Japan. Chicago Varnish Co., Chicago.
Nonpareil Printing Press. R. A. Stewart & Co., New York.
Nonpareil Puttyless Skylights. Rasner & Dinger Co., Pittsburgh, Pa.
Nonpareil Sheet Packing. Strong Machinery & Supply Co., New York.
Nonpareil Skylights. Nonpareil Skylight Co., Washington, D. C.
Nonpareil Steam Heaters. Enoch Rutzler Co., New York.
Nonpareil Tongue Blades. E. B. Estes & Sons, New York.
Nonsuch Coffee or Spice Mills. United Stamping & Machine Co., Cleveland.
Nooga Cornices. Chatanooga Roofing & Foundry, Chattanooga, Tenn.
Nopack Compression Cocks. Nopack Brass Mfg. Co., Dubois, Pa.
No. Piece Curtain Stretchers. Chicago Curtain Stretcher Co., Chicago.
Nopik Auto, Trunk and Door Locks. Connecticut Lock Co., Inc., Fairfield Conn.
Noppel Plumbing Specialties. Garrison Brass & Mach. Wks. New York.
Noramco Babbitt Metal. North Atlantic Metal Corp., New York.
Norbitt Incandescent Lamp Sockets. Crouse-Hinds Co., Syracuse, N. Y.
Norblo Dust Collectors. Northern Blower Co., Cleveland, O.
Norblo Equipment. The Northern Blower Co., Cleveland, O.
Norblo Suction Filters. Clark Dust Collecting Co., Chicago.
Norbitt Poreclain Rosettes and Receptacles. Crouse-Hinds Co., Syracuse, N. Y.
Nor-Bro Never Slip Pipe Grips, Tubing Tongs and Dies, Oil Well Tools, Etc. Norris Brothers, Robinson, Ill.
Norcor Sheet Metal Building Products. Northern Corrugating Co., Green Bay, Wis.
Norcross Garden Cultivators. Norcross & Son, Bushnell, Ill.
Norcross Jolt Ramming Machines. Arcade Mfg. Co., Freeport, Ill.
Nordberg Hoists, Engines. Nordberg Mfg. Co., Milwaukee, Wis.
Nordyke Cable Supports. Standard Underground Cable Co., Pittsburgh, Pa.
Nordyke Electric Cable Hangers. Standard Underground Cable Co., Pittsburgh.
Nordyke French Buhr Stone Mills. Nordyke & Harmon Co., Dept. H, Indianapolis, Ind.
Noreacol Coal Tar Creosote. Northeastern Co., Cambridge 39, Mass.
Noreacol Pole Preserver. Northeastern Co., Boston, Mass.
Norfolk Enameled Iron Lavatory. Crane Company, Chicago.
Norfolk Paper Towels. Hollingsworth & Vose Co., Boston.
Norfolk Ship Water Closets. Thos. Laughlin Co., Portland, Me.
Norit Decolorizing Carbon. L. A. Salomon & Bro., New York.
Norka Leather Belting. Akron Belting Co., Akron, O.
Norka Radiators. Williamsport Radiator Co., Williamsport, Pa.
Norka Red Sheet Packing; Steam Hose. Cincinnati Rubber Mfg. Co., Cincinnati, O.
Norka Rubber Hose, Rubber Packing and Radiator Hose. Cincinnati Rubber Mfg. Co., Cincinnati, O.
No-Riv Fans. H. M. Strong Steel Co. Products Co., Cleveland.
Norma Precision Ball Bearings. Norma-Hoffman Bearings Corp., Long Island City, N. Y.
Norman Stoves and Ranges. Galusba Stove Co., Rochester, N. Y.
Normand Water Tube Boilers. Bath Iron Works, Bath, Me.
Norol Nail Sets. Syracuse Twist Drill Co., Syracuse, N. Y.
Norris Lumber Houston. W. H. Norris Lumber Co., Houston, Tex.
Norris Pulley Mortising Machines and Sash Pulleys. Frank B. Sloan & Co., Baltimore, Md.
North American Gas, Electric Blow Torch. North American Mfg. Co., Cleveland, O.
North Bend Fire Brick. Dover Fire Brick Co., Cleveland, O.
North Birmingham Pig Iron. Sloss-Sheffield Steel & Iron Co., Birmingham, Ala.
North Blind Awning Fixtures. Wire Goods Co., Worcester, Mass.
North Coast Lumber Stacker. North Coast Dry Kiln, Seattle, Wash.
North East Electric Supplies. North East Elec. Co., Rochester, N. Y.
North Pole Ice Cream Freezers. Alaska Freezer Co., Winchendon, Mass.
North Pole Sanitary Drinking Fountain. Henry Geissel Co., Chicago.
North River Row Locks. Wilcox Crittenden & Co., Inc., Middletown, Conn.
North Shore Hammocks. Wheeler & Wilson, Boston.
North Star Ice Cream Freezers. Alaska Freezer Co., Winchendon, Mass.
North Star Portable Grain Elevators. Warren Elevator Mfg. Co., Warner, Ill.
North Star Shade Cloth. Hauser Shade Cloth Co., Chicago Heights, Ill.
North Wales Hack Saw Machines, Knife & Scissors Grinders, Door Stops. North Wales Machine Co., North Wales, Pa.
Northern Cranes, Hoists. Northern Engineering Works, Detroit, Mich.
Northern Fire Engines, Rotary Pumps. Northern Fire Apparatus Co., Minneapolis, Minn.
Northern Ohio Woolware. The Beckman Co. (Northern Ohio Blanket Mills), Cleveland, O.
Northern Queen Metal Washboards. National Washboard Co., Chicago.
Northern Safety Water Gauge. Northern Tool Co., Inc., Utica, N. Y.
Northern Toilet Paper. Northern Paper Mills, Green Bay, Wis.
Northey Refrigerators. Northey Mfg. Co., Waterloo, Ia.
Northfield Concrete Mixers, Mortar Mixers. Northfield Iron Co., Northfield, Minn.
Northfield Standard Highway Bridges, Collapsible Culvert Forms, Road Machinery, Concrete Mixers, Wheelbarrows, Voting Booths, Grain Bins, Corn Cribs, Water Tanks, Hog Troughs, and Waterers, Roofing and Siding, Airdomes, Coal Chutes, Garages, Etc. Northfield Iron Company, Northfield, Minn.
Northrop Looms, Spooler Guides. Draper Corp., Hopedale, Mass.
Northrup Loom Pickers. E. H. Jacobs Mfg. Co., Danielson, Conn.
Northrup Pyrovoltor Pyrometers. Pyrolectric Instrument Co., Trenton, N. J.
Northway Automobile and Motor Trucks. Northway Motor Corp., Natick, Mass.
Northway Power Mills. Strong-Scott Mfg. Co., Minneapolis, Minn.
Northwest Cranes. Ersted Machinery Mfg. Co., Portland, Ore.
Northwest Crawler Crane, Dragline, Shovels. Northwest Engineering Co., Green Bay, Wis.
Northwest Ladders, Fence, Etc. Northwest Fence & Wire Works, Portland, Ore.

Northwestern Architectural Terra Cotta. Northwestern Terra Cotta Co., Chicago.
Northwestern Cement Mfrs. Northwestern States Portland Cement Co., Mason City, Ia.
Northwestern Concrete Mixers. Lansing Co., Lansing, Mich.
Northwestern Farm Wagons. Northwestern Mfg. Co., Fort Atkinson, Wis.
Northwestern Flax Seed Cleaners. J. L. Owens Co., Minneapolis.
Northwestern Gas Engines, Cement Brick Machines. Northwestern Steel & Iron Wks. Eau Claire, Wis.
Northwestern Horse Nails. Fowler & Union Horse Nail Co., Inc., Buffalo, N. Y.
Northwestern Hot Air Furnaces. Western Fdry. & Furn. Co., Tacoma.
Northwestern Rubber Goods, Auto Tires and Tubes. Northwestern Rubber Co., Kent, Wash.
Northwestern Seamless Hog Troughs. Northwestern Stamping Co., Burlington, Ia.
Northwestern Variable Speed Motors. Northwestern Elec. Co., Chicago.
Northwind Electric Fans. Emerson Elec. Mfg. Co., St. Louis, Mo.
Norton Blast Furnaces. Norton Iron Works, Ashland, Ky.
Norton Door Checks. Norton Door Closer Co., Chicago.
Norton Elevator Door Closer. Elevator Sup. Co., Inc., Hoboken, N. J.
Norton Elevator Door Openers. Elevator Supplies Co., Hoboken, N. J.
Norton Grinding Wheels. Norton Co., Worcester, Mass.
Norton Jacks. A. O. Norton, Inc., Boston, Mass.
Norton Tuyere Irons. Illinois Iron & Bolt Co., Carpentersville, Ill.
Norton Valve Grinding Compounds. Norton Co., Worcester, Mass.
Norton's Multiple Tie Plugs. Norton Mfg. Co., Memphis, Tenn.
No-Rust Stove Scrapers. American Mfg. Co., Chattanooga, Tenn.
Norustocta Copper Plated Malleable Iron Unions. The Kelly & Jones Co., Greensburg, Pa.
Norwalk Air and Gas Compressors and Refrigerating Machinery. Norwalk Iron Wks. Co., Dept. H, Norwalk, Conn.
Norwalk Compressors and Refrigerating Plants. Norwalk Iron Works Co., So. Norwalk, Conn.
Norwalk Rubber Tires. Norwalk Tire & Rubber Co., Norwalk, Conn.
Norway Blast Furnaces. Colonial Iron Co., New York.
Norway Cleaner and Water Softener. Chamberlain-Haber Chemical Co., Cleveland, O.
Norwegian Animal Pokes. Osmundson Spade Mfg. Co., Perry, Ia.
Norweld Welding and Brazing Flux. Northwest Welding Supply Co., Portland, Ore.
Norweld Welding Rods. Steel Sales Corp., Chicago.
Norwesco Chemical Automobile Utilities. The Northwestern Chemical Co., Marietta, O.
Norwesco Furniture and Automobile Polish, Shellac, Varnish, Soldering Salts, Paste, Etc. Northwestern Chemical Co., Marietta, O.
Norwich Leather Belting. Norwich Belt Mfg. Co., Norwich, Conn.
Norwich Steam Heaters. John T. Young Boiler Co., Norwich, Conn.
Norwich Treadspring Scientific Carpet Lining. Thompson & Norris Co., Brooklyn, N. Y.
Norwich Typewriter Paper. Elsinore Paper Co., New York.
Norwood Belting, Rubber Hose, Rubber Packing. Cincinnati Rubber Mfg. Co., Cincinnati, O.
Norwood Casters. The Lansing Company, Lansing, Mich.
Norwood Hose and Packing. Cincinnati Rubber Mfg. Co., Cincinnati, O.
Norwood Paints. W. W. Lawrence & Co., Pittsburgh.
Norwood Side Bearings. The T. H. Symington Co., Baltimore, Md.
Norwood Wire Fence and Gates. H. L. Brown Fence & Mfg. Co., Cincinnati, O.
No-Seam Copper Range Boilers. J. L. Mott Iron Wks., Trenton, N. J.
Noser Auto Locks. Noser Sales Co., St. Louis, Mo.
No-Set-O Lubricating Oils and Greases. Norman C. Hayner Co., Rochester, N. Y.
No Slam Screen Door Checks. Sargent & Co., New Haven, Conn.
No-Spark Carbon Brushes. Calebaugh Self-Lubricating Carbon Co., Philadelphia.
No-Spill Gasoline Funnels. Hoaglin Mfg. Co., Waupaca, Wis.
Nosquint Goggles. Strauss & Buegeleisen, Brooklyn, N. Y.
Nosteal Incandescent Guards. Frank W. Morse, Boston, Mass.
Notch Mushroom Ventilators. Knowles Mushroom Ventilator Co., New York.
Notear Vestibule Curtains. Railway Curtain Co., Chicago.
No-Thump Tumbler Washers. L. L. Rowe, Boston.
No Tip Walking and Riding Cultivators. Kingman Plow Co., Peoria, Ill.
Notorch Solderless Connectors. Columbia Metal Box Co., New York.
Notts Extra Leather Belting. W. S. Nott Co., Minneapolis, Minn.
Nova Combination Heels of Rubber and Leather. Nova Heel Mfg. Co., Berkeley, Cal.
Nova Lavatories. Crane Co., Chicago.
Novaculite. Egyptian Novaculite Co., St. Louis, Mo.
Novalux Lighting Units. General Electric Co., Schenectady, N. Y.
Novelco Automobile Horns. Novelty Mfg. Co., Waterbury, Conn.
Novelty Boilers, Tank Heaters, Stoves and Ranges. Abram Cox Stove Co., Philadelphia, Pa.
Novelty Disc Sharpeners. Walker Mfg. Co., Council Bluffs, Ia.
Novelty Hollow Augers. W. A. Ives Mfg. Co., Wallingford, Conn.
Novelty Hot Water Heaters. Model Heating & Engineering Co., Phila.
Novelty Porch Swings. Modern Mfg. Co., Hagerstown, Md.
Novelty Pumps. Hess-Snyder Co., Massillon, O.
Novelty Sulky Rakes. Geo. S. Comstock & Son, Mechanicsburg, Pa.
Novio Flushing Valves. Jenkins Mfg. Co., Bloomfield, N. J.
Noviol Headlight Front Glasses. Corning Glass Works, Corning, N. Y.
Noviol Lens Blanks. Corning Glass Works, Corning, N. Y.
Novitas Talking Machines. Novitas Sales Co., Waltham, Mass.
Novo-Beach Saw Rigs. Novo Engine Co., Lansing, Mich.
Novo Engines and Pumping Outfits. Novo Engine Co., Lansing, Mich.
Novo Flashlights and Batteries. Novo Mfg. Co., Inc., New York and Chicago.
Novo Gas Engines, Hoists, Pumps and Air Compressors. Novo Engine Co., Lansing, Mich.
Novo Radio "B" and Flashlight Batteries. Novo Mfg. Co., New York.
Novoltoy Toys. Smith Novoltoy Electric, Inc., Charlotte, N. C.
Novo Superior High Speed Steel and Drills. H. Boker & Co., New York.
Novus Steam Heaters and Hot Water Radiators. National Radiator Co., Johnstown, Pa., and Trenton, N. J.
Nowarps Meter Discs. Fred W. Hanks, Cleveland.
Nowatt Transformers. Sangamo Electric Co., Springfield, Ill.
Nowik Oil Heater Stoves. Turner Brass Works, Sycamore, Ill.
No Wobble Spout Strainers. Hamblin & Russell Mfg. Co., Worcester, Mass.
Nox Rat Traps. Abingdon Trap Co., Abingdon, Ill.
Nox-A-Bug Insecticides. Peerless Stock Powder Co., Falls City, Neb.
Noxal Polishes. Noxal Polish Mfg. Co., Philadelphia, Pa.
Noxall Annunciators. Electric Goods Mfg. Co., Canton, Mass.
Nox-All Clean-Outs and Floor Drains. Crampton Farley Brass Co., Kansas City, Mo.
Noxall Column Clamps. A. A. Loetscher, Dubuque, Ia.
Noxall Cotton Duck Tents, Tarapaulins, Wagon Covers, Etc. Textile Products Mfg. Co., St. Louis, Mo.
Noxall Cultivators. Racine-Sattley Co., Springfield, Ill.
Noxall Denatured Alcohol Stoves. Quincy Foundry & Novelty Works, Quincy, Ill.
Noxall Fast Color Paint. Enterprise Paint Mfg. Co., Chicago.
Noxall Floor Drains. Crampton-Farley Brass Co., Kansas City, Mo.
Nox-All Grass Catchers; Tents and Canvas Goods. Canvas Products Co., St. Louis, Mo.
Noxall Hay Presses. Collins Plow Co., Quincy, Ill.
Noxall Horse Collars. J. B. Schott Saddlery & Mfg. Co., Quincy, Ill.
Noxall Lace Leather and Cut Lacing. Chicago Rawhide Mfg. Co., Chicago.
Noxall Leather Belting. Eagle Belting Co., Chicago.
Nox-All Oils and Greases. Geo. A. Haws, New York.
Noxall Packing. Boston Belting Corp., Boston, Mass.
Noxall Stove Pipes. A. Geisel Mfg. Co., St. Louis, Mo.
Noxall Tents, Wagon Covers, Paulin's Grass Catchers. Textile Products Mfg. Co., St. Louis, Mo.
Noxall Varnish Remover. Enterprise Paint Mfg. Co., Chicago.
Noxall Water Filters. American Filter Co., Milwaukee, Wis.
Nox-em-all Red Rosin Sized Sheathing. Barrett Co., New York.
Nox-Em-All Rubber Packing. Boston Belting Co., Boston, Mass.
Nox-Em-All Sheet Packing. Boston Belting Corp., Boston, Mass.
Nox Rust Radiator Compound. National Compound Co., New York.
Noyes Bolt Heading Machines. F. B. Noyes Co., Greenfield, Mass.
Noyes Grapple Forks. U. S. Wine Engine & Pump Co., Batavia, Ill.
Nu-Air Ventilators. Milwaukee Corrugating Co., Milwaukee, Wis.
Nuart Shades and Reflectors. Imperial Glass Co., Bellaire, O.
Nubiac Arc Lamp Globes. Fostoria Glass Specialty Co., Fostoria, O.
Nubian Asphalt Saturated and Coated Waterproof Paper. The Lehon Company, Chicago.
Nubian Packings. Voorhees Mfg. Co., Jersey City, N. J.
Nubian Waterproof Cotton Belting. Empire Mfg. Co., Rockport, N. Y.
Nubian Waterproof Paper and Paint. Lehon Co., Chicago.
Nubritain Trace Carriers. North & Judd Mfg. Co., New Britain, Conn.
Nue Dry Batteries. Union Battery Co., Belleville, N. J.
Nu-Ex Fire-Killer Fire-Extinguisher. Bargar Mfg. Co., Columbus, O.
Nufashond Narrow Braided and Woven. The Narrow Fabric Co., Reading, Pa.
Nuform Sport Goggles. Strauss & Buegeleisen, Brooklyn, N. Y.
Nufrick Raw Water System. Frick Co., Waynesboro, Pa.
Nugent Engine and Machine Oilers. Wm. W. Nugent & Co., Chicago.
Nugent Oiling Devices. Nugent Wm. W. & Co., Chicago.
Nugent Safety Shaft Oilers. Strong, Carlisle & Hammond Co., Cleveland.
Nuget Babbit Metal. Cleveland Alloys Co., Cleveland.
Nugget Camp Cooking Outfits and Stoves. United Steel & Wire Co., Battle Creek, Mich.
Nugget Steel and Tools. Fairley-Davidson Steel Co., New York.
Nugloss Body Polish. R. M. Hollingshead Co.
Nu Guard Safety Pins. Seymour Metal Goods Co., Seymour, Conn.
Nuhorse Tractors. Wm. Stimson Barnes, Chicago.
Nuhring Hose Racks and Reels. Home Rubber Co., Trenton, N. J.
Nulite Gasoline Lamps, Lanterns, Flat Irons, Etc. National Stamping and Electric Works, Chicago.
Numa Little Giant Drill Sharpener. Numa Rock Drill Sharpener Co.,
Numaticon Dust Collecting & Condensing Systems. Allen Engineering & Mfg. Co., Savannah, Ga.
Number 7 Steel. Colonial Steel Co., Pittsburgh, Pa.
No. 8 Lawn Swings. Goshen Churn & Ladder Co., Goshen, Ind.
No.-4-D-D Medical Batteries. Bunnell, J. H. & Co., New York.
No. 4 Lock and Shield Air Valves. James P. Marsh & Co., Chicago.
No. 41 Walking Listers. Kingman Plow Co., Peoria, Ill.
No. 43 Model Shoe Pattern Paper. C. B. Hewitt & Bros., Inc., New York.
Number 370 Special Red Bridge Paint. Thompson & Co., Pittsburgh, Pa.
No. 223 Red Coach Color and Color Varnish. R. F. Johnston Paint Co., Cincinnati, O.
No. 226 Red Color and Color Varnish. R. F. Johnston Paint Co., Cincinnati, O.
No. 371 Belt Preserver. Ensign Refining Co., Cleveland, O.
No. 9695 Boot-Topping. Toch Bros., Inc., New York.
No. 0 Catlin Keyseaters. Chattanooga Mach. Co., Chattanooga, Tenn.
No. 1 Fire Clay Refractories. Parker-Russell Mining & Mfg. Co., St. Louis, Mo.
No. 2 Blizzard Mill Lanterns. R. E. Dietz Co., New York.
No. 2 Royal Hand Lanterns. R. E. Dietz Co., New York.
No. 81 Leather. F. Blumenthal Co., New York.
Nos. 15 & 25 Wall Lanterns. R. E. Dietz Co., New York.
Number Four Babbitt Metal. Lumen Bearing Co., Buffalo, N. Y.
Number Nine Oil Tanks. A. C. Kraft, Chicago.
Number One Belt Dressing. Hudson Belting Co., Worcester, Mass.
No. 1, A.B.C.D.&E. Screw Plates. Morse Twist Drill & Machine Co., New Bedford, Mass.
No. 118 Universal Side Cutting Pliers. Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
No. 124 Mineralized Lard Oil Cutting and Drilling Compounds. American Oil Corp., Jackson, Mich.
No. One-X Incandescent Gas Mantels. American Gas Machine Co., Inc., New York.
No. 6 Alfalfa Cutters. Wilder-Strong Implement Co., Monroe, Mich.
No. 6 Medical Batteries. J. H. Bunnell & Co., New York.
No. 6 Duplex Air Valves. Jas. P. Marsh & Co., Chicago.
Number Ten Gasoline Tanks. A. C. Kraft, Chicago.
Number Ten Horse Back Bands. Couch Bros. Mfg. Co., Atlanta, Ga.
No. 13 Soap. Kendall Products Corp., New York.
No. 36 Bath Traps. Donley Bros. Co., Cleveland.
No. 3 Reviver Floor Finish. Butcher Polish Co., Boston.
No. 2 Calking Cotton. Estes Mills, Fall River, Mass.
No. 2 Elastic Packing. Goetze Gasket & Packing Co., New Brunswick, N. J.
No. 2 Superior Illuminating Overhead Washers. Vehicle Specialty Co., Hartford, Conn.
Numeralpha Filing System. Roneo Company, New York.
Nunn's Acme Grease Cups. Nunn Brass Works, Rochester, N. Y.
Nu Plan Prismatic Glass. American Bar Lock Co., Philadelphia.
Nurinkle Stain. R. F. Johnston Paint Co., Cincinnati, O.
Nuroof Roof Coating. The Acorn Refining Co., Cleveland, O.
Nustyle Sheet Steel Ceilings. Delphos Mfg. Co., Delphos, O.
Nusurface Paint. The Acorn Refining Co., Cleveland, O.
Nu Tile Asphalt Shingles. Amalgamated Roofing Co., Chicago.
Nutley Lavatories. Crane Co., Chicago.
Nutmeg Bilge Pumps. Wilcox, Crittenden & Co., Inc., Middletown, Conn.
Nutmeg Snap and Push Switches. Hart & Hegeman Mfg. Co., Hartford, Conn.

Nutmeg Watch Case Buzzers. Ansonia Electrical Co., Ansonia, Conn.
Nu-Top Heat Distributors for Gas Ranges. H. R. Corwin Mfg. Co., Newark, N. J.
Nuttall Gears and Pinions; Flexible Couplings; Reduction Gears. R. D. Nuttall Co., Pittsburgh, Pa.
Nuttall Trolley Poles. R. D. Nuttall Co., Pittsburgh, Pa.
Nutter & Barnes Cutting Off Machines, Saw Grinders. Greenfield Tap & Die Corp., Greenfield, Mass.
Nutting Floor Trucks; Trailers. Nutting Truck Co., Faribault, Minn.
Nuvray Lenses. General Optical Co., New York.
Nuwall Flat Washable Paint. R. F. Johnston Paint Co., Cincinnati, O.
Nuwall Magic Glass Enamel Paint. R. F. Johnston Paint Co., Cincinnati, O.
Nuwash Washboards. P. A. Wetzel Co., Springfield, Ill.
Nuway Extension Clothing Carriers. Knape & Vogt Mfg. Co., Grand Rapids, Mich.
Nuway Garden Barrows. Ross Bros. Co., Worcester, Mass.
Nuway Package Sealer. Nuway Package Sealer Corp., Los Angeles.
Nuway Packing Guard. Nuway Packing Guard, Tuscaloosa, Ala.
Nu Way Steel Bins & Tanks. Beatrice Steel Tank Mfg. Co., Beatrice, Nebr.
Nu-Way-T Concrete Sash Balances. C. L. Blodgett Mfg. Co., Alameda, Cal.
Nux Insulating Fibre. Rogers Paper Mfg. Co., South Manchester, Conn.
Nycord Manila Rope. New York Cordage Co., New York.
Nye and Tredick Knitting Machines. Trump Bros. Machine Co., Wilmington, Del.
Nye High Pressure Pumps. Nye Steam Pump & Mach. Co., Chicago.
Nye Pipe Threading Dies, Pipe Vises, Solid Die Stocks, Wiping Cloths and Pipe Vises. Nye Tool & Machine Works, Chicago.
Nye Stocks and Dies. Nye Tool & Machine Works, Chicago.
Nyelec Panel Boards, Switchboards, Knife Switches, Etc. Nyelec Switchboard Co., New York.
Nylo Oils and Greases. New York Lubricating Oil Co., New York.
Nymph Brass Engine Lubricators. Wm. Powell Co., Cincinnati.
Nymph Garden Hose. Quaker City Rubber Co., Philadelphia, Pa.
Nyoil Typewriter Oils. Wm. F. Nye, New Bedford, Mass.
Nyoll Lawn Mower Oils. Wm. F. Nye, New Bedford, Mass.
Nypco Rock Products. New York Pyrites Co., Inc., New York.
Nyser Luggage Carrier for Automobiles. Beaton & Cadwell Mfg. Co., New Britain, Conn.
Nytyh Swivel Base Vise. Atlas Vise Co., Inc., Lowville, N. Y.

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O. Ames Shovels, Spades, Scoops and Drainage Tools. Ames Shovel & Tool Co., Boston, Mass.
O. Pipe Wrenches. Oil Well Supply Co., Pittsburgh.
O-B Brass Valves, Electric Railway Car Equipment, Insulators, Rail Bond and Bonding Equipment, Trolley Materials. The Ohio Brass Co., Mansfield, O.
O.-B. Rail Bonds, Porcelain Insulators, Valves, Wire Splicers, Water Gauges, Gauge Cocks and Union Elbows. Ohio Brass Co., Mansfield, Ohio.
"OC" Coal Mining Machines. Morgan Gardner Electric Co., Chicago.
O. C. K. Co. High Pressure Valve Discs, Semi-Metallic Rod Packing. O. C. Keckley Co., Chicago.
O. C. Little Commutator Compound, Pulley Covering. Onward Mfg. Co., Menasha, Wis.
O. D. Back Water and Sewer Gas Valves. Jas. Barrett Mfg. Co., Boston.
O. D. Scales. National Novelty Co., Minneapolis, Ind.
O. E. F. Condensors; Coolers; Heaters; Etc. O. E. Franks Heater Engineering Co., Buffalo, N. Y.
O. G. Cast Iron Washers. Starke's Dixie Plow Works, Inc., Richmond, Va.
O. G. Iron Washers. A. L. Sivett Iron Works, Medina, N. Y.
O. H. A. Protectors, Lamp Guards. McGill Mfg. Co., Valparaiso, Ind.
O. H. Fin Neck Bolts. National Screw & Tack Co., Cleveland.
O.-H. One-Piece Stove Pipes. E. M. Letts, Waverly, N. Y.
O. I. C. Street Flushing Machines. T. L. O'Neil Implement Co., Marseilles, Ill.
O. I. C. Valve Discs. Ohio Injector Co., Wadsworth, O.
O. I. Co. Valves. Ohio Injector Co., Wadsworth, O.
O. I. M. Packing. Home Rubber Co., Trenton, N. J.
O. J. C. Clothes Washing Machines. H. F. Brammer Mfg. Co., Davenport, Ia.
O. K. Alternating Boiler Chemical and Boiler Compound. Chas. Nuhring & Bros., Cincinnati, O.
O. K. Animal Traps, Gopher Traps, Rat Traps. Abingdon Trap Co., Abingdon, Ill.
O. K. Ball Cocks. Eureka Valve Co., Boston, Mass.
O. K. Belt Lacing. Hudson Belt Fastener Co., New York.
O. K. Binder Twine. International Harvester Company of America, Inc., Chicago.
O. K. Boiler Compounds. Chas. Nuhring & Bro., Cincinnati, O.
O. K. Bolt and Rivet Clippers. H. K. Porter, Everett, Mass.
O. K. Brand Center Punches. West Haven Mfg. Co., New Haven, Conn.
O. K. Carbon Paper and Typewriter Ribbons. Webster Co., F. S., Boston, Mass.
O. K. Card Tables. E. T. Burrowes Co., Portland, Me.
O. K. Ceiling Fan. Marathon Electric Mfg. Co., Wausau, Wis.
O. K. Cement. Oklahoma Cement Co., Ada, Okla.
O. K. Cement Plaster. United States Gypsum Co., Chicago.
O. K. Champion Potato Planters, Potato Sprayers, Potato Diggers, Potato Cutters. Champion Potato Machine Co., Hammond, Ind.
O. K. Churns. Standard Churn Co., Wapakoneta, O.
O. K. Clothes Washing Machines. H. F. Brammer Mfg. Co., Davenport, Ia.
O. K. Concrete Facing Spades, Sleeper Clips. Chicago Builders' Specialties Co., Chicago, Ill.
O. K. Cornice Brakes. Dreis & Krump Mfg. Co., Chicago.
O. K. Cotton Mops. Estes Mills, Fall River, Mass.
O. K. Cutters. H. K. Porter, Everett, Mass.
O. K. Dies and Screw Plates. Greenfield Tap & Die Corp., Greenfield, Mass.
O. K. Dish Drainers, Fruit and Vegetable Parers. Hamblin & Russell Mfg. Co., Worcester, Mass.
O. K. Door Hangers. Richards-Wilcox Mfg. Co., Aurroa, Ill.
O. K. Door Hangers and Unloaders. F. E. Myers & Bro., Ashland, O.
O. K. Electric Wire. Phillips Wire Co., Pawtucket, R. I.
O. K. Engines. Lennox Machine Co., Marshalltown, Ia.
O. K. Ensilage Cutters; Pole Wood Sawing Machines. Algoma Fdry. and Machine Co., Algoma, Wis.
O. K. Expansion Bolts. The Isaac Church Expansion Bolt Co., East Norwalk, Conn.
O. K. Feed Cutters. Geo. S. Comstock & Son, Mechanicsburg, Pa.
O. K. Floor and Ceiling Plates. T. B. Cryer Co., Newark, N. J.
O K Friction Clutches, Friction Clutch Pulleys & Hoists. O K Clutch & Machinery Co., Columbia, Pa.
O. K. Gasoline Engines. Lennox Machine Co., Marshalltown, Ia.
O K Guy Anchors. St. Louis Malleable Casting Co., St. Louis.
O. K. Harrow Carts and Shoveling and End Gate Boards. Peoria Drill & Seeder Co., Peoria, Ill.
O. K. Harrows. Wm. Fetzer Co., Springfield, Ill.
O. K. Harry Binder Covers, Steel Corn Cribs. O. K. Harry Steel Co., St. Louis.
O. K. Hay Fork Pulleys. Hunt, Helm, Ferris & Co., Harvard, Ill.
O. K. Hay Presses. Scott Hay Press Co., Kansas City, Mo.
O. K. Hoists. O. K. Clutch & Machy. Co., Columbus, Pa.
O. K. Hop Furnaces. Munnsville Plow Co., Munnsville, N. Y.
O. K. Hose. Boston Woven Hose & Rubber Co., Cambridge, Mass.
O. K. Hot Air Registers. Wm. Highton & Sons Co., Nashua, N. H.
O. K. Ice Creepers. Norlund Mfg. Co., Williamsport, Pa.
O. K. Ideal Big Irons and Oil Well Equipment. Oklahoma Iron Works, Tulsa, Okla.
O. K. Incandescent Gasoline and Portable Table Lamps. Coleman Lamp Co., Los Angeles.
O. K. Insulating Compounds and Spark Plugs. Pettingell, Andrews Co., Boston.
O K Jaw Ore Crushers. A. E. Hopley, San Francisco.
O. K. Lamp Chimneys. Gill Bros. Co., Steubenville, O.
O. K. Lathe Tools, Boring Tools, Thread Cutting Tools, Tool Posts. O. K. Tool Holder Co., Shelton, Conn.
O. K. Letter Openers & Rubber Erasers, Paper Fasteners. O. K. Mfg. Co., Oswego, N. Y.
O. K. Level Works Dials. Napolian Grohowsky, Green Bay, Wis.
O. K. Nail Sets. Millers Falls Co., Millers Falls, Mass.
O. K. O. Brand Round Belting. F. Raniville Co., Grand Rapids, Mich.
O K. Paper Fasteners, Erasers, Letter Openers, Desk Tray and Ink Wells. The O. K. Manufacturing Co., Oswego, N. Y.
O. K. Peat Moss. Atkins & Durbrow, New York.
O. K. Pipe Hooks. Wm. Hammann, Milwaukee, Wis.
O. K. Poultry Fountains. Oakes Mfg. Co., Tipton, Ind.
O. K. Pulleys and Slings. Hunt, Helm, Ferris & Co., Harvard, Ill.
O. K. Rock and Ore Crushers. Enterprise Foundry Co., San Francisco.
O. K. Roofing Paints. Richmond Bros., Cincinnati.
O. K. Shoe Lasts and Stands. Roanoke Iron & Bridge Wks., Inc., Roanoke, Va.
O. K. Standard Big Irons and Oil Well Equipment. Oklahoma Iron Works, Tulsa, Okla.
O. K. Tanks. O. K. Harry Steel Works, St. Louis, Mo.
O. K. Tin Hand Lanterns. R. E. Dietz Co., New York.
O. K. Tool Holders. O. K. Tool Holder Co., Shelton, Conn.
O. K. Tire Bolt Wrenches. Stanley Rule & Level Co., New Britain, Conn.
O. K. Underwriter Fire Hose. Boston Woven Hose & Rubber Co., Cambridge, Mass.
O. K. Unloaders, Door Hangers and Spray Pumps. The F. E. Myers & Bro., Ashland, O.
O. K. Ventilators. Canton Art Metal Co., Canton, O.
O. K. Weatherproof Wire. Phillips Wire Co., Pawtucket, R. I.
O. K. Window Cleaners. F. H. Smith Mfg. Co., Chicago.
O. K. Wire Floor Clips. Chicago Builders' Specialty Co., Chicago.
O. K. Underwriters Cotton Hose. Boston Woven Hose & Rubber Co., Cambridge, Mass.
O. M. C. Alumishine Metal Polish. Orona Mfg. Co., Boston.
O. N. C. Emulsion Car Cleaning Compound. Wilson-Imperial Co., Newark, N. J.
O. N. T. Spool Cotton. Clark Thread Co., Newark, N. J.
O. O. R. Cutouts. Au-to Compressor Co., Wilmington, O.
O-P-B Bearings. Mechanical Devices Co., Aurora, Ill.
O. P. Metal Polish. J. W. Opie Brush Co., Kansas City, Mo.
O-P Rotary Veneer Baskets. Eastern States Package Co., Inc., Buffalo, N. Y.
O R P Paints. Patterson-Sargent Co., Cleveland, O.
O. S. Dependable Locomotive Cranes and Buckets. Orton & Steinbrenner Co., Chicago.
O. S. Shutter Hinges. Wrightsville Hardware Co., Wrightsville, Pa.
O. S. & V. Gate Valves. McNab & Harlin Mfg. Co., Paterson, N. J.
O. V. B. Hdwe., Tools and Cutlery. Hibbard, Spencer & Bartlett & Co., Chicago.
O. W. Pipe Hangers. L. A. Carpenter Press Metal Co., Cambridge, Mass.
O-Z Hand Tachometers, Tachoscopes, Cutmeters and Divided Machine Vises. O. Zernickow, New York.
O & G Belting. Imperial Belting Co., Chicago.
O. & G. Lubricating Oils and Greases. Oil & Grease Co. of America, New York.
Oak-A-Nite Sanitary Flooring. Ford Roofing Products Co., Chicago.
Oak Leather Belting. McLeod Leather & Belting Co., Greensboro, N. C.
Oakdale Twine. Cliver-Wright-Rainey Co., Cincinnati, O.
Oaken Cattle Guards. Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Oakes' Auto Tire Locks. Oakes Co., Indianapolis, Ind.
Oakes Tire Carriers; Spare Tire and Steel Wheel Locks; Radiator Fans; Metal Stampings. The Oakes Company, Indianapolis, Ind.
Oakette Car Curtains and Material. Curtain Supply Co., Chicago.
Oakite Cleaning Compounds. Oakley Chemical Co., New York.
Oakite Rust Preventives, Cutting, Drilling and Polishing Compounds. Oakley Chemical Co., New York.
Oakland Electric and Hot Water Incubators. Oakland Incubator Co., Oakland.
Oakland Insulating Paper. C. B. Hewitt & Bros., New York.
Oakland Motor Cars. Oakland Motor Car Co., Pontiac, Mich.
Oakland Pruning Shears. Smith, Seymour & Son, Oakville, Conn.
Oakland Stoves. North Dighton Stove Co., North Dighton, Mass.
Oakley Automobile Creepers. H. Zering Mfg. Co., Cincinnati, O.
Oakley Cutter and Tool Grinders. The Oakley Machine Tool Co., Cincinnati, O.
Oakstok Leather Belting. F. W. McLanathan & Sons, Lawrence, Mass.
Oakwood Leather Belting. Byrnes Belting Co., St. Louis, Mo.; H. N. Cook Belting Co., San Francisco, Calif.
Oakwood Paste, Salts and Liquid Soldering. Weaver Specialty Co., Pittsburgh, Pa.
Oakwood Stoves. Pittston Stove Co., Pittston, Pa.
Oasis Cider Presses and Mills. Silver Mfg. Co., Salem, O.
Oasis Rubber Belting. Mountain States Rubber Company, Denver, Colo.
O'Bannon Coated Fabrics. O'Bannon Corp., New York.
Obark Leather Belting. Charlotte Leather Belting Co., Charlotte, N. C.
Obelisk Rubber Lined Cotton Hose. Goodyear Rubber Co., San Francisco.

Ober Wood Lathes; Sanders, Shapers, and Rip Saws. The Ober Mfg. Co., Chagrin Falls, O.
Oberdorfer Oil Pumps. M. L. Oberdorfer Brass Co., Syracuse, N. Y.
Oblique Tooth Garden Rakes. Specialty Device Co., Cincinnati.
O'Brien Calcining, Wasting and Smelting Furnaces. Penn Fdry. & Mfg. Co., Reading, Pa.
O'Brien Fire Bell Ringers. Walsh Safety Lock Snap Co., Bellevue, O.
O'Brien Fire Hydrants. The A. P. Smith Mfg. Co., Inc., East Orange, N. J.
O'Brien Glass Insulators. Brookfield Glass Co., New York.
O'Brien Grease Guns. H. G. Paro Co., Chicago.
O'Brien-Hawley Smokeless Furnaces. John O'Brien Boiler Works Co., St. Louis.
O'Brien Heavy Duty Grease Pump. H. G. Paro Co., Chicago.
O'Brien Lead Furnaces. A. P. Smith Mfg. Co., East Orange, N. J.
O'Brien Varnish. O'Brien Varnish Co., South Bend, Ind.
O'Brien's Gear Grease. Railway Equipment Co., Portland, Ore.
O-Bro Fire Brick. Oliver Bros., Inc., New York.
Obround Conduits. Crouse-Hinds Co., Syracuse, N. Y.
Obstitch Textile Belting. Mount Vernon Belting Co., Baltimore, Md.
Oca Smooth Surface Roofing. Oil City Asbestos Co., Oil City, Pa.
Occident Wheat Flour. Russell Miller Milling Co., Valley City, N. D.
Occidental Boiler Compound. Boiler Room Supply Co., Chicago.
Occidental Stoves and Ranges. Steiger & Kerr Stove & Foundry Co., San Francisco.
Ocean Sawed Lumber. Ocean Lumber Co., Seattle, Wash.
Ocean Wave Washing Machines. Voss Bros. Mfg. Co., Davenport, Ia.
Oceana Marine Varnish. Standard Varnish Co., New York.
Oceanic Kitchen Enameled Ware. Strong Mfg. Co., Sebring, O.
O-Cedar Dusting Mops; Polish; Wax. O-Cedar Corp., Chicago.
Oco Piano Hinges. Oakville Co., Waterbury, Conn.
Oconee Vertical Tile. Oconee Brick & Tile Co., Milledgeville, Ga.
Octa Penn Malleable Unions. The Kelly & Jones Co., Greensburg, Pa.
Octa Penn X Malleable Unions. The Kelly & Jones Co., Greensburg, Pa.
Octagon Metal. Frictionless Metal Co., Chattanooga, Tenn.
Octagon Metal Shingles. Montross Metal Roofing Co., Camden, N. J.
Octagon Port Lights. Thos. Laughlin Co., Portland, Me.
Octigan Drop Forgings, Rivet Sets and Stampings. Octigan Drop Forge Co., Chicago.
Octo Driving Lanterns. R. E. Dietz Co., New York.
Octopus Combination Water Closets. Thos. Kelly & Bros., Chicago.
Oct O Unions. Crane Company, Chicago.
Odd Jobs Tools. Stanley Rule & Level Plant, New Britain, Conn.
Odell Automobile Cord Rubber Tires. Odell Rubber Co., South Bend, Ind.
Odell Safety Razors and Safety Razor Blade Sharpening Machines. Odell Mfg. Co., Chicago.
Odenkirk Switchstands. Cleveland Railway Supply Co., Cleveland, O.
Odette Drinking Fountains. Crane Co., Chicago.
Odin Gas Soldering Furnaces, Ranges and Hot Plates. Odin Stove Mfg. Co., Erie, Pa.
Odozone Disinfectants. H. D. Mann Co., Syracuse, N. Y.
Odostroy Deodorant. Perin, Inc., New York.
Oesterlein Tool Grinders. Oesterlein Machine Co., Cincinnati, O.
Ofco-Tan Acid-Proof Belting. Olmsted Flint Co., Cambridge, Mass.
Official Mouse and Rat Traps. Animal Trap Co. of America, Lititz, Pa.
Off 'N' On Anti-Skid Chains. Pyrene Mfg. Co., Newark, N. J.
Offset Reflectors, Non-Glare Device. G. T. Sutterley & Co., Philadelphia, Pa.
Ogden Doors. J. Edward Ogden Co., Hdwe. Mfrs., New York.
Ogden Portland Cement. Ogden Portland Cement Co., Ogden, Utah.
Oglesby Blue Granite. Oglesby Granite Co., Elberton, Ga.
Ohio Brushes. The Wooster Brush Co., Wooster, O.
Ohio Concrete Mixers. Ohio Concrete Machine Co., Columbus, O.
Ohio Crucible and Laboratory Porcelain Specialties. Ohio Pottery Co., Zanesville, O.
Ohio Cultivators, Cotton Planters, Harrows, Hay Presses, Plow Coulters. Ohio Cultivator Co., Bellevue, O.
Ohio Cutters and Silo Fillers. Silver Mfg. Co., Salem, O.
Ohio Engines. Griffith & Wedge Co., Zanesville, O.
Ohio Feed Water Heaters. Stewart Heater Co., Buffalo, N. Y.
Ohio Farm Tractors. Ohio Tractor Co., The, Columbus, Ohio.
Ohio Grease Lubricators. Engineering Supply Co., Philadelphia, Pa.
Ohio Greases. The Ohio Grease Co., Loudonville, O.
Ohio Grinders and Milling Machines. Oesterlein Machine Co., Cincinnati.
Ohio Grindstones. Cleveland Stone Co., Cleveland, O.
Ohio Harrows and Pulverizers and Hay Loaders. Ohio Rake Co., Dayton, O.
Ohio Hot Air Furnaces. Bennett Furnace Co., Cleveland; Columbus Heating & Ventilating Co., Columbus, O.
Ohio Injectors, Combination Boiler Check and Stop Valve, Hose Strainer, Fire Jet, Boiler Tester and Washer, Lubricators, Gauge Glass Protector, and Cab Squirt for Sprinkling Coal. The Ohio Injector Co., Chicago.
Ohio Iron Billets, Metal. Whitaker-Glessner Co., Portsmouth, O.
Ohio Lifting Magnets. Ohio Electric & Controller Co., Cleveland.
Ohio Loaders and Scrapers. Ohio Implement Co., Bowling Green, O.
Ohio Lock Stove Pipe. The Reeves Mfg. Co., Dover, O.
Ohio Locomotive Cranes. Ohio Locomotive Cranes Co., Bucyrus, O.
Ohio Lubricating Oils and Greases, Commutator Compounds. Ohio Grease Co., Loudonville, Ohio.
Ohio M Gas Water Heaters. Dayton Mfg. Co., Dayton, O.
Ohio Milling Machines, Grinders. Oesterlein Machine Co., Cincinnati, O.
Ohio Mop Wringers, Garden Hose Reels. Cardington Cabinet Co., Cardington, Ohio.
Ohio Motor Trucks Trailers. The Ohio Trailer Co., Cleveland, O.
Ohio Motors and Lifting Magnets. The Ohio Electric & Controller Co., Cleveland, O.
Ohio Pistons. Ohio Piston Co., Cleveland.
Ohio Planers and Shapers. Ohio Machine Tool Co., The, Kenton, O.
Ohio Road Levelers and Graders; Wagon Dump Boxes. Ohio Road Machinery Co., Oberlin, O.
Ohio Rubber Tires, Inner Automobile Tubes. Mansfield Tire & Rubber Co., Mansfield, Ohio.
Ohio Seamless Tubes. The Ohio Seamless Tube Co., Shelby, O.
Ohio Siphons. The Charles Barnes Co., Cincinnati, O.
Ohio Standard Ensilage Cutters. Silver Mfg. Co., Salem, Ohio.
Ohio Steel Ingots. Whitaker-Glessner Co., Portsmouth, O.
Ohio Steel Ranges. Tinnerman Stove & Range Co., Cleveland.
Ohio Tuec Portable Vacuum Cleaners. United Electric Co., Canton, O.
Ohio Valves and Steam Specialties. Ohio Brass Co., Mansfield, O.
Ohio 40 Bean and Pea Planters. Ohio Rake Co., Dayton, Ohio.
Ohio 41 C. & C. Bean and Pea Planters. Ohio Rake Co., Dayton, Ohio.
Ohmen Steam Engines. Herzog Electric & Engng. Co., San Francisco.
Ohmer Fare Register. Ohmer Fare Register Co., Dayton, O.
Ohmer Generators and Igniters. Recording & Computing Machine Co., Dayton, Ohio.
Ohmlac Electric Cable Compounds, Acid Tank Lining Compounds and Paints. Ohmlac Paint & Refining Co., Chicago.
Ohmlac Insulating Varnishes. Emil Calman & Co., New York.
Oil-Air Burners and Wicks. Huenefeld Co., Cincinnati, O.
Oil City Dumping Wagons. Kramer Wagon Co., Oil City, Pa.
Oil City Portable Hot Water Heaters. Wm. Earley, Philadelphia.
Oil City Steam and Hot Water Heating Boilers. Oil City Boiler Works, Oil City, Pa.
Oil City Water Tube Boiler. Oil City Boiler Works, Oil City, Pa.
Oil Country Unions. National Tube Co., Pittsburgh, Pa.
Old Hick Red Rope Fibre Paper. C. B. Hewitt & Bros., Inc., New York.
Oil King Tractors. Hart-Parr Co., Charles City, Ia.
Oil-Kipp Grease Cups and Spring Oilers. Madison-Kipp Corp., Madison, Wis.
Oil-O-Matic Oil Burners. C. U. Williams & Sons, Bloomington, Ill.
Oil-Pull Traction Engines. Advance-Rumely Co., La Porte, Ind.
Oil-Rite Power Pump. Deming Co., Salem, O.
Oil Stopper Piston Rings. Oil Stopper Piston Ring Co., Muskegon, Mich.
Oil-Tight Piston Rings. Geo. H. Blettner, Chicago.
Oil of Gladness Dusters, Dustless Dust Cloths, Mops, Polish. Dunlap Mfg. Co., Bloomington, Ill.
Oildag Lubricants. Acheson Graphite Co., Niagara Falls, N. Y.
Oileoils, Oils. Sutton Aspinwall & Co., Inc., New York.
Oilgas Furnaces. The General Combustion Co., Chicago.
Oilproof Spark Plugs. Stitt Ignition Co., Columbus, O.
Oilskin Waterproof Leather Belting. Olmsted-Flint Company, Cambridge, Mass.
Oiltite Packing. Jenkins Bros., New York.
Oiltite Universal Joints. Acme Universal Joint Mfg. Co., Kalamazoo, Mich.
Oilturn Gasoline and Oil Engines. Advance-Rumely Co., La Porte, Ind.
Oilwell Oil Well Equipment, Pump Fittings, Etc. R. H. Herron Co., Los Angeles.
Oilzum Lubricating Oils and Greases. White & Bagley Co., Worcester, Mass.
Ojaco Paints. Oliver Johnson & Co., Inc., Providence, R. I.
O-Joy Washing Machines. Wayne Mfg. Co., St. Louis, Mo.
Okadee Valves; Water Glass Protectors; Tender Hose Couplers; Front End Hinges; Automatic Cylinder Cocks, Drain Cocks, Drain Valves; Reflex Water Gauges. The Okadee Company, Chicago.
Okadee Water Gauges. Okadee Co., Chicago.
Okay Natural Gas Burners. Regan Forge & Engrg. Co., San Pedro, Cal.
Okay Parting Compounds; Linseed Core Oil. The Buckeye Products Co., Cincinnati, O.
Okeh Disc Records. General Phonograph Corp., New York.
Okeh Fishing Reels. A. F. Meisselbach Mfg. Co., Inc., New York.
Okeh Infants' Hosiery. Okeh Hosiery Mills, Lemoyne, Pa.
O'Kelly Safety Carrying Hooks and Variable Speed Transmission. Gregory O'Kelly, Chicago.
O'Kleen-O. Disinfectants. O'Kleen-O Products Co., Baltimore, Md.
Okocord Insulated Wire. The Okonite Company, New York.
Oko Leather Belting. F. Raniville Company, Grand Rapids, Mich.
Okolite Shoe Blacking and Polishes. Buckard Blacking & Oil Co., Baltimore, Md.
Okoloom Flexible Cable. The Okonite Company, New York.
Okonite (Rubber Covered) Insulated Wires and Cables; Tape; Cement; Pot Heads. Okonite Co., New York.
Okonite Insulated Wires & Cables. Okonite Co., Passaic, N. J.
Okolona Closets. Crane Co., Chicago.
Okolona Jr., Closets Crane Co., Chicago.
Okonomd Adhesive Material. Wm. Stuhlmiller, New York.
Old Abe Lamp Black. Bihn & Wolff Co., Philadelphia.
Old Alton Mining Tools. Beall Bros., Alton, Ill.
Old American Asphalt Roofing and Shingles. American Asphalt Roof Corp., Kansas City, Mo.
Old Chatean Zinc Roofing. The American Zinc Products Co., Greencastle, Ind.
Old Chelsea Enamel. R. E. Johnston Paint Co., Cincinnati, O.
Old Coketown Metals. Riverside Metal Refining Co., Connellsville, Pa.
Old Colony Commutator Compounds. Pettingell, Andrews Co., Boston, Mass.
Old Colony Sheet Packing. Geo. B. Carpenter & Co., Chicago.
Old Council Tree Bond Papers. The Neenah Paper Co., Neenah, Wis.
Old Crow Mechanical Rubber, Rubber Packing. Cincinnati Rubber Mfg. Co., Cincinnati.
Old Crow Packing. Cincinnati Rubber Mfg. Co., Cincinnati, O.
Old Doctor Ice Picks. Edw. Parkinson Mfg. Co., Providence, R. I.
Old Dominion Asbestos-Metallic Gaskets. Dominion Asbestos & Rubber Corp., New York.
Old Dominion Cement. Virginia Portland Cement Co., Allentown, Pa.
Old Dominion Gaskets for Flanges, Valves and Fittings, Packing Mfrs. and Sheet Packing. Darcoid Co., New York.
Old Dominion Hickory Handles. E. B. Estes & Sons, New York.
Old Dutch Enamels. Sherwin Williams Co., Cleveland.
Old Dominion Leather Belting. Virginia Leather Co.,Inc.,Richmond,Va.
Old Dutch Cleanser. Cudahy Packing Co., Chicago.
Old Dutch Railway Enamel. Sherwin-Williams Co., Cleveland, O.
Old English Gray Enameled Ware. Republic Stamping & Enameling Co., Canton, O.
Old English Hard Wax Floor Polish. A. S. Boyle & Co., Cincinnati.
Old English Kitchen Enameled Ware. Republic Stamping & Enameling Co., Canton, Ohio.
Old English Wax. A. S. Boyle & Co., Cincinnati, O.
Old Faithful Crayons. American Crayon Co., Sandusky, Ohio.
Old Faithful Hemlock Timber. Oconto Co., Chicago.
Old Faithful Lumber. Northern Hemlock & Hardwood Mfrs. Assn., Oshkosh, Wis.
Old Faithful Waterproof Transmission Belting. Hide Leather & Belting Co., Indianapolis, Ind.
Old File Cutlery. Old File Cutlery Co., Havana, Ill.
Old Genuine Babbitt Metal. Lumen Bearing Co., Buffalo, N. Y.
Old Glory Axes. Mann Edge Tool Co., Lewiston, Pa.
Old Hampshire Bond Paper. Hampshire Paper Co., S. Hadley Falls, Mass.
Old Hick Red-Rope Paper. C. B. Hewitt & Bros., New York.
Old Hickory Auto Bumpers. United States Spring Co., Los Angeles.
Old Hickory Automobiles and Wagons. Ky. Wagon Mfg. Co., Louisville, Ky.
Old Hickory Baseball Bats. Edw. K. Tryon Co., Philadelphia.
Old Hickory Dumping Wagons. Kentucky Wagon Mfg. Co., Louisville.
Old Hickory Fire Hose. U. S. Rubber Co., New York.
Old Hickory Garden and Lawn Rakes. Union Fork & Hoe Co.,Columbus, O.

Old Hickory Grade of National Fibre. National Vulcanized Fibre Co., Wilmington, Del.
Old Hickory Slate Surfaced Roll Roofing. The Lehon Co., Chicago.
Old Hickory Farm Wagons; Manure Spreaders; Electric and Gasoline Motor Trucks. Kentucky Wagon Mfg. Co., Louisville, Ky.
Old Hickory Tires. Warren B. Buckley, New York.
Old List Leather Belting. Edw. R. Ladew Co., Inc., New York.
Old Maid Leather Belting. E. F. Houghton & Co., Philadelphia, Pa.
Old Man Steel Tape Measures. Crogan Mfg. Co., Bangor, Me.
Old Mission Paints. Stockton Paint Co., Stockton, Cal.
Old Missouri Cement. San Juan Portland Cement Co., San Francisco
Old Oak Belting. National Leather Belting Co., New York.
Old Oak Padlocks. Fraim-Slaymaker Hardware Co., Lancaster, Pa.
Old Red Cane Mills. International Harvester Company of America, Inc., Chicago.
Old Reliable Blow Torches. Turner Brass Works, Sycamore, Ill.
Old Reliable Columbia Caliper. E. G. Smith, Tampa, Florida.
Old Reliable Copying Books. Wm. Mann Co., Philadelphia, Pa.
Old Reliable XX Chains. Hayden-Corbett Chain Co., Columbus, O.
Old Reliable Dredge Hoist and Shovel Chains. United States Chain & Forging Co., Pittsburgh.
Old Reliable Excelsior Airometer. The Denver Hydro Co., Denver, Colo.
Old Reliable Hand Corn Planters. Sheffield Mfg. Co., Burr Oak, Mich.
Old Reliable Paints, etc. Marion Paint Co., Indianapolis, Ind.
Old Reliable Parchment Paper. Wm. Mann Co., Philadelphia.
Old Reliable Pipe Joint Cements. Callahan, Geo. & Co., New York.
Old Reliable Steam Hammers. Erie Foundry Co., Erie, Pa.
Old Reliable Steam Traps. John Acton, Brooklyn, N. Y.
Old Reliable Tractors. Hart-Parr Co., Charles City, Ia.
Old Sol Spotlights. Hawthorne Mfg. Co., Inc., Bridgeport, Conn.
Old Standard Lamp Black. L. Martin Co., New York.
Old Standard Paint. O'Connor & Schweers Paint Co., Augusta, Ga.
Old Standard Superior Germantown Lamp Black. L. Martin Co. New York.
Old Style Seam Roofing. Milwaukee Corrugating Co., Milwaukee, Wis.
Old Style Stock Anchors. Admiral Anchor Co., Philadelphia, Pa.
Old Town Carbon Paper and Typewriter Ribbons. Old Town Ribbon & Carbon Co., Inc., New York.
Old Virginia Insecticide. Chamberlain-Haber Chemical Co., Cleveland, O.
Old Virginia White White Stains. Samuel Cabot, Inc., Boston.
Olds Gasoline Engines. Advance-Rumely Co., La Porte, Ind.
Olde Stonesheld Roofs. John D. Emack Co., Philadelphia, Pa.
Oldham Brazing Compounds. Joshua Oldham & Sons, Brooklyn, N. Y
Oldham Brazing Compounds, Knives and Saws. Oldham New York Saw Wks., Inc., Brooklyn, N. Y.
Oldham Riveters. George Oldham & Son Co., Frankford, Phila., Pa.
Old's Engines. Old's Gasoline Engine Works, Lansing, Mich.
Oldsmar Garden Tractors. **Oldsmar Tractor Co., Oldsmar, Fla.**
Oldsmobile Motor Cars. Old Motor Works, Lansing, Mich.
Oleaqua Elevator Compound. **Admiral Anchor Co., Philadelphia, Pa.**
O'Leary Blacksmith Vises. Arthur J. O'Leary & Son Co., Chicago.
Oleic Rubber Hose. Electric Hose & Rubber Co., Wilmington, Del.
Oleo Artists Colors. A. Sartorius & Co., New York.
Ole Olsen Wood Lawn Rakes. Piqua Handle & Mfg. Co., Piqua, O.
Oleite Filtering Material. Oleite Corp., New York.
Oleite Sheet Packing. Advance Packing & Supply Co., Chicago.
Olin Gas Engines. The Titusville Iron Works Co., Titusville, Pa.; Olin Gas Engine Co., Buffalo, N. Y.
Olivaxine Candles. Edward J. Knapp, Syracuse, N. Y.
Olive Cream Cotton Softeners. E. F. Houghton & Co., Philadelphia.
Oliver of Adrian Die Making Machines; Drill Grinders. Oliver Instrument Co., Adrian, Mich.
Oliver Ames Shovels, Spades, Etc. Ames Shovel & Tool Co., Boston.
Oliver Burners, Furnaces and Heaters. Oliver Oil-Gas Burner & Machine Co., St. Louis.
Oliver Centrifugal and Vacuum Pumps, Compressors and Filters. Oliver Continuous Filter Co., San Francisco; New York.
Oliver Closets and Lavatories. Crane Co., Chicago.
Oliver Drill Point Machine. Oliver Instrument Co., Adrian, Mich.
Oliver Filters. Oliver Continuous Filter Co., San Francisco, Cal.
Oliver Grindstone Boxes and Frames, Saw Benches and Tables, Saw Gauges, Saw Guards, Saw Mandrels, Rip Saw Machines, Manual Training Benches, Oil and Water Stones. Oliver Machinery Co., Grand Rapids, Mich.
Oliver Industrial Dump Cars. Oliver Mfg. Co., Knoxville, Tenn.
Oliver Jacks and Adjustable Wrenches. Oliver-Barth Jack Co., Milwaukee, Wis.
Oliver Plows, Clod Crushers, Cultivators, Corn Planters, Spring Tooth Harrows. Oliver Chilled Plow Works, South Bend, Ind.
Oliver-Samson Jacks. Oliver-Barth Jack Co., Milwaukee, Wis.
Oliver Tractor. **Oliver Tractor Co., The, Knoxville, Tenn.**
Oliver Typewriter. Oliver Typewriter Co., Chicago.
Oliver Wood Working Machinery. Oliver Mchy. Co., Grand Rapids Mich.
Olivet Waterproofing Canvas. Wm. L. Barrel Co., of N. Y., Inc., New York.
Olmstead Seamless Stone Blackboard. American Seating Co., Chicago
Olo Soffene Cotton Softeners. Bosson & Lane, Boston.
Olotan Round Belt. **F. Raniville Company, Grand Rapids, Mich.**
Ol-Se-Co. Polishing Cloths. Saponol Chemical Co., New York.
Olsen Shelf Dumping Cages. Eagle Iron Works, Des Moines, Ia
Olson Truck Units. Swedish Crucible Steel Co., Detroit.
Olsen's Mine Cages. Eagle Iron Works, Des Moines, Ia.
Olympia Babbitt. Great Western Smelting & Refining Co., Chicago.
Olympia Hose. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Olympia Packing. C. W. Trainer Mfg. Co., Boston, Mass.
Olympia Screen Door Hinges. Champion Hardware Co., Geneva, O.
Olympia (Texaco) Lubricating Oil. The Texas Company, New York.
Olympic Belting. Seattle Belting & Supply Co., Seattle, Wash.
Olympic Brand Wire Rope. Hazard Mfg. Co., Wilkes-Barre, Pa.
Olympic Rawhide Belting. Seattle Belting & Supply Co., Seattle, Wash.
Olympus Gauge Cocks. Nason Mfg. Co., New York.
Omaco Shades and Reflectors. Overbagh & Ayres Mfg. Co., Chicago.
Omaha Attached Newspaper Folders. **Omaha Folding Machine Co.,** Omaha, Neb.
Omaha Lead Pipe. Lawrence Shot & Lead Co., Omaha, Nebr.
Omaha Sanitary Plumbing Specialties. The Galard Co., Newark, N. J
Omego Air Valves. Harlem Mfg. Co., New York.
Omega Crayons. Standard Crayon Mfg. Co., Danvers, Mass.
Omega Cream Separators. Reliance Engineering Co., Lansing, Mich.
Omega Packing. Cooley Mfg. Co., New York.
Omega Rubber Bottles, Rubber Syringes. Parker, Stearns & Co., Brooklyn, N. Y.
Omega Shoe Dressing. Omega Shoe Polish Co., Los Angeles.
Omega Toggle Bolts. Diamond Expansion Bolt Co., New York City.
On and Dry 6 Hour Varnish. R. F. Johnston Paint Co., Cincinnati, O.
One Drop Oil Cans. A. R. Weisselbach Mfg. Co., Newark, N. J.
One Lock Adjustable Reamers. Morse Twist Drill & Machine Co., New Bedford, Mass.
One-Man Concrete Carts. Chicago Builders' Specialties Co., Chicago.
One-Man Door. Union Metal Products Co, Chicago.
One-Man Junior Steel Tapes. Union Tool Co., Orange, Mass.
One Man Stump Pullers. A. J. Kirstin Co., Escanaba, Mich.
One Minute Clothes Washing Machines. Morris Mfg. Co., El Reno, Okla.
One Minute Electric Washing Machines. One Minute Mfg. Co., Newton, Iowa.
One Minute Photograph Machines. Chicago Ferrotype Co., Chicago.
One Minute Post Hole Diggers. Osmundson Spade Mfg. Co., Perry, Ia.
One Piece Stop Bead Screws. National Mfg. Co., Sterling, Ill.
One Set Automatic Suction Rubber Covered Rollers. B. F. Goodrich & Co., Akron, O.
One-Way Hay Carriers. Hunt-Helm Ferris & Co., Harvard, Ill.
One-Way Radio Plug. Carter Radio Co., Chicago.
103 Ring Packing. Crandall Packing Co., Palmyra, N. Y.
150 Forge Blowers. Champion Blower & Forge Co., Lancaster, Pa.
132 End Cutting Nippers. Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
119 Keystone Grease. Keystone Lubricating Co., Philadelphia, Pa.
193 Alloy Resistance Wire. Driver-Harris Co., Harrison, N. J.
199 C. W. Fire Resisting Paints. Toch Bros., New York City.
1004 Rubber Pump Valves. Quaker City Rubber Co., Philadelphia.
1234 Rubber Pump Valves. Quaker City Rubber Co., Philadelphia.
Oneco Building Blocks. R. B. Marriott & Sons, Sterling, Conn.
Oneco Leather Belting. Norwich Belt Mfg. Co., Norwich, Conn.
Oneida Automobile Horns. Electric Horn & Specialty Co., Utica, N. Y.
Oneida Cement Colors. C. J. Osborn Co., New York.
Oneida Clothes Pins. E. B. Estes & Sons, New York.
Oneida Drill Chucks. Westcott Chuck Co., Oneida, N. Y.
Oneida National Lathe Chucks. T. R. Almond Mfg. Co., Ashburnham, Mass.
Oneida Pulleys. Dodge Sales & Engineering Co., Mishawaka, Ind.
Oneida Steel Pulleys. Dodge Sales & Engineering Co., Mishawaka, Ind.
Oneida Wood Split Pulleys. Oneida Wood Pulley Co., Oneida, N. Y.
O'Neil Boiler Compounds. O'Neill Oil & Paint Co., Milwaukee, Wis.
O'Neil Pipe Calking Machines. A. P. Smith Mfg. Co., East Orange, N. J.
O'Neill Electric Cable Hangers. Pettingell-Andrews Co., Boston, Mass.
O'Neill Flue Cutters. Columbia Chuck & Tool Co., Chicago.
O'Neill Rapid Tube Cutter. Columbia Chuck & Tool Co., Chicago.
O'Neill Standard Narrow Neck Bottle Blowing Machine. **The O'Neill** Machine Co., Toledo, Ohio.
O'Neill Wire Cloth. Jos O'Neill Wire Wks., Portchester, N. Y.
Oneko Rubber Hose. National India Rubber Co., Bristol, R. I.
O-Ni-Da Chains. Oneida Chain Co., Oneida, N. Y.
On-In-A-Minute Chair Seats. Economy Seat Co., Chicago.
Onion Skin Carbon Paper. American Ribbon & Carbon Co., Rochester, N. Y.
Onliwon Toilet Paper. Albany Perforated Wrapping Paper Co., Albany, N. Y.
Only Hand Saw Filing and Setting Machines. Black Diamond Saw & Machine Works, Natick, Mass.
Only Paper Fasteners. West Mfg. Co., Philadelphia.
Only Security Stamp Wallets, Price Cards. Weaver-Beach Co., Rochester, N. Y.
Only Way Cultivators. Racine-Sattley Co., Springfield, Ill.
Onoko Babbit Metal. H. Channon Co., Chicago.
Onoko Rubber Hose. Electric Hose & Rubber Co., Wilmington, Del.
Onoko Sprinkler Hose. Electric Hose & Rubber Co., Wilmington, Del.
Onondaga Tanks. Pierce, Butler & Pierce Mfg. Corp., New York.
Onondaga Tobacco Transplanters. Nagley Mfg. Co., Lyons, N. Y.
Onoto Fountain Pens and Pencils. **De La Rue & Co., Ltd., Thomas,** New York.
Onresco Paint. Samuel F. Woodhouse, Franklin, Pa.
On Steel. Onondaga Steel Co., Syracuse, N. Y.
Ontario Boilers. Pierce, Butler & Pierce Mfg. Corp., Syracuse, N. Y.
Ontario Drills. Ontario Drill Co., East Rochester, N. Y.
Ontario Mills Carpets. Henry Rath, Jr., Philadelphia, Pa.
Onward Air Moistener; Sliding Furniture Shoes. **Onward Mfg. Co.,** Menasha, Wis.
Onward Sliding Furniture Shoes. Onward Mfg. Co., Menasha, Wis.
On the Level Caster Treads. Valentine Von Der Lin, New York.
Onyx Kitchen Enameled Ware. Columbian Enameling & Stamping Co., Terre Haute, Ind.
Oolitic White Lime. Ste. Genevieve Lime Co., St. Louis, Mo.
Opake Draughting Inks. Taylor Bros. Co., Cleveland.
Opal Gloss Varnish. D. B. Crockett Co., Bridgeport, Conn.
Opal Shades and Reflectors. Macbeth-Evans Glass Co., Pittsburgh, Pa.
Opal Window Screen Wire Cloth. New York Wire Cloth Co., New York.
Opalescent Arc Lamp Globes. Macbeth-Evans Glass Co., Pittsburgh, Pa.
Opalite Glas Tile. Opalite Tile Co., Monaca, Pa.
Opalux Glass Shades. Opalux Co., New York.
Open Door Rat Traps. Bumann Mfg. Co., Litchfield, Ill.
Open Door Silos. Vesper Wood Mfg. Co., Vesper, Wis.
Ophir (Texaco) Lubricating Oil. The Texas Company, New York.
Oplex Day and Night Signs. Flexume Sign Co., Buffalo, N. Y.
Optimus Electro Plating Dynamos. A. P. Munning-Loeb Co., Matawan, N. J.
Optimus Generators, Metal Cleaners and Plating Machines. A. P. Munning & Co., New York.
Optimus Jewelers' Machinery. Worthington & Raymond, New York.
Optimus Paint. Keystone Paint & Filler Co., Muncy, Pa.
Oram's Bung Hole Borerers and Barrel Hoop Driving Machines. John S. Oram Co., Cleveland.
Orange Lawn Mowers. S. P. Townsend & Co., Orange, N. J.
Orangeburg Fibre Conduits. Fibre Conduit Co., Orangeburg, N. Y.
Orangeville Spring Tooth Harrows. J. W. Conner & Son, Orangeville, Pa.
Orbsco Automatic Track Door and Door Lock for Cold Storage Doors. Oakland Refrigerator & Butchers Supply Co., Oakland, Cal.
Orchard Sulky Hay Rakes. Thomas Mfg. Co., Springfield, O.
Orchid Ball Bearing Lawn Mower. Penna Lawn Mower Wks., Phila.
Orchid Lawn Mowers. Supplee-Biddle Hardware Co., Philadelphia.
Ordinary Black. L. Martin & Co., New York.
Ordinator Shade-Fittings. Ordinator Co., Inc., New York.
Ordway-Yaryan Evaporator. Chas. Ordway, New York.
Oregon Ash Cans. Abbott-Hardware Co., New York.
O'Reilly Natural Gas Burners. M. J. O'Reilly, Buffalo, N. Y.
O'Reilly Self-Acting Shade Rollers. Am. Shade Roller Co., Brooklyn.
O'Reilly Shade Roller. American Shade Roller Co., Brooklyn, N. Y.
Organ Grease Cup. Keystone Lubricating Co., Philadelphia, Pa.
Orgoblo Organ Blowers. Spencer-Turbine Co., Hartford, Conn.

Orient Faucet Cans. Sexton Can Co., Boston.
Orient Garden Hose. Quaker City Rubber Co., Philadelphia, Pa.
Orient Picture Hooks. Forsyth Metal Goods Co., East Aurora, N. Y.
Oriental Stucco. J. B. King & Co., New York.
Oriental Tissue Gold Leaf. Gane Bros. & Co. of New York, New York.
Origa Writing Papers. West Virginia Pulp & Paper Co., Inc., New York.
Original Air Valves. James P. Marsh & Co., Chicago.
Original Automatic Valves and Radiator Vents. Jas. P. Marsh & Co., Chicago.
Original-Black Sheet Packing. Home Rubber Co., Trenton, N. J.
Original Brammer Clothes Washing Machines. H. F. Brammer Mfg. Co., Davenport, Ia.
Original Callahan Nozzle. Andrew J. Morse & Son, Inc., Boston, Mass.
Original Ewart Link-Belt. Link Belt Co., Chicago and Philadelphia, Pa.
Original Fish Spears. Bonafide Mfg. Co., Plymouth, Mich.
Original McNamara Hydrants. Hays Mfg. Co., Erie, Pa.
Original Measuring Spoons. Landers, Frary & Clark, New Britain, Conn.
Original "Non-Shine" Chair Pad. Polar Mfg. Co., Philadelphia, Pa.
Original Paste Metal Polish. Rath Mfg. Co., Philadelphia, Pa.
Original-Payne's Gas and Water Tapping Machines. Hays Mfg. Co., Erie, Pa.
Original Reflux Vacuum Traps. Jas. P. Marsh & Co., Chicago.
Original 20th Century Soap. Theo. B. Robertson Products Co., Chicago.
Orinoke Fire Hose. Hamilton Rubber Mfg. Co., Trenton, N. J.
Oriole Belt Lacing. J. B. Williams & Sons, Dover, N. H.
Oriole Children's Carriages. Withrow Mfg. Co., Cincinnati.
Oriole Gas Stoves. Baltimore Gas Appliance & Mfg. Co., Baltimore.
Oriole Kitchen Enameled Ware. Baltimore Stamping & Enameling Co., Baltimore.
Oriole Lace Leather. I. B. Williams & Sons, Dover, N. H.
Oriole Marine Engines. Page Engineering Co., Baltimore.
Oriole Sheet Packing. Hewitt Rubber Co., Buffalo, N. Y.
Oriole Tinners' Oils. Jas. B. Macneal & Co., Baltimore.
Oriole Tires. The Diamond Rubber Co., Inc., Akron, O.
Oriole W. P. Cotton Rope. Anniston Cordage Co., Anniston, Ala.
Oriskany Low Phosphorus Iron Ore. Alleghany Ore & Iron Co., Buena Vista, Va.
Orloff Pencils. Eagle Pencil Company, New York.
Orma Fruit Evaporators. Stutzman Mfg. Co., Ligonier, Ind.
Orme Safety Valve. Scott Valve Mfg. Co., Detroit; Stevens Roe Mfg. Co., Detroit.
Ormond Lavatories. Crane Co., Chicago.
Oro Special Tannage. Bonner & Barnewall, Inc., New York.
Oronite Asphaltum Paint. Standard Oil Co., Richmond, Cal.
Oronite Paints, Oils and Solvents. Standard Oil Co., San Francisco.
Orono Metal Cleaners. Orono Sales Co., Boston.
Oronoko Detail Drawing Paper. C. B. Hewitt & Bros., Inc., New York.
Oroofs Rubber Roofing. Usona Mfg. Co., Aurora, Ill.
Orr Concrete Pole Reinforced Material. Hubbard & Co., Pittsburgh, Pa.
Orsat Gas Analysis Apparatus. Eimer & Amend, New York.
Orthopedic Rubber Heels. Foster Rubber Co., Boston.
Osage Belting. Goodall Rubber Co., Philadelphia, Pa.
Osborn Brick Drills. Irving Mfg. & Tool Co., New York.
Osborn Foundry Molding Machines, Flask Stripping Machines. Osborn Mfg. Co., Cleveland.
Osborn Moulding Machines. The Osborn Mfg. Co., Cleveland, O.
Osborn Steam Pumps. Virginia Foundry & Machine Co., Virginia, Minn.
Osborn Wire Brushes and Brooms. The Osborn Mfg. Co., Cleveland, O.
Osborne Fire Finder for Forest Fires. Leupold-Vallpel & Co., Portland, Ore.
Osborne Harvesting Machines. Emerson Brantingham Implement Co., Rockford, Ill.
Osborne Meat Juice Presses. C. S. Osborne & Co., Newark, N. J.
Oscillator Mop Wringers. Cardington Cabinet Co., Cardington, O.
Oscillator Vacuum Washing Machines. American Gas Machine Co., New York.
Oscillator Washing Machines. American Gas Machine Co., Albert Lea, Minn.
Osco Creosote Oil, Wood Preservative. Protexol Corp., New York.
Osgood Deflector Lens. Osgood Lens & Supply Co., Chicago.
Osgood Steam Shovels. The Osgood Co., Marion, O.
Oshkosh Concrete Mixers, Logging Tools, Portable Saw Rigs and Construction Equipment. The Leach Co., Oshkosh, Wis.
Oshkosh Logging Tools. American Logging Tool Co., Evart, Mich.
Oshkosh Motor Trucks. Oshkosh Motor Truck Mfg. Co., Oshkosh, Wis.
Oshkosh Pumps. Davis-Hanson Pump Co., Oshkosh, Wis.
Oslund Continuous Wire Drawing Machy. O. & J. Machine Co., Worcester, Mass.
O-So-Ezy Polish. O-So-Ezy Products Co., Detroit, Mich.
Ospa Lumber. Eastman, Gardiner & Co., Laurel, Miss.
Osro Calcimine. Osro Chemical Co., Chicago.
Ossco Gas Stoves, Kitchen Cabinets. Ohio State Stove Co., Columbus, O.
Ostego Feed Cutters, Fruit Evaporators. Babcock Mfg. Co., Leonardsville, N. Y.
Oster Pipe-Threading Tools. Oster Mfg. Co., Cleveland, O.
Oster Rachet Stock and Dies. Oster Mfg. Co., Cleveland.
Ostrander Electrical Apparatus. W. R. Ostrander & Co., New York.
O'Sullivan Rubber Heels. O'Sullivan Rubber Co., Inc., New York.
Oswego McNaul Boilers. Oswego Boiler & Engine Co., Oswego, N. Y.
Oswego Pipe Vises and Wrenches. Oswego Tool Co., Oswego, N. Y.
Oswego Shade Cloth. Stewart Hartshorn Co., East Newark, N. J.
Oswego Tube Expanders; Vises; Pipe Wrenches. Oswego Tool Co., Oswego, N. Y.
Oswego Water Tube Boilers. Oswego Boiler & Engine Co., New York.
O-Tak-A Tire Remover Tools. J. W. Crumlaux, Leroy, N. Y.
Othello Hot Air Furnaces. Reading Stove Wks. (Orr, Painter & Co.), Reading, Pa.
Otis Automatic Skip Hoists. Otis Elevator Co., New York.
Otis Automobile Car Heating and Vaporizing Boiler. Otis Boiler Co., Inc., Oswego, N. Y.
Otis Feed Water Heaters. Stewart Heater Co., No. Tonawanda, N. Y.
Otis Plates and Steel Castings. Otis Steel Co., Ltd., Cleveland, O.
Otis Tubular Feed Water Heaters, Oil Separator and Purifier. Stewart Heater Co., N. Tonawanda, N. Y.
Otoe Canned Goods. Otoe Food Products Co., Nebraska City, Neb.
Otolok Receptacle for Checks. Mines Otolok Check Co., Pittsburgh, Pa.
Otomatik Dish Washing Machine. Automatic Dishwasher Co., New York.
Otsego Agricultural Implements. Babcock Mfg. Co., Leonardsville, N. Y.
Otsego Cultivators, Potato Diggers, Lawn Swings, Steel Tray Barrows. Babcock Mfg. Co., Leonardsville, N. Y.
Otsego Special Alloy Tool Steel. Ludlum Steel Co., Watervliet, N. Y.
Otsego Spring Tooth Harrows. Munnsville Plow Co., Munnsville, N. Y.
Ot-Steel Factory Chairs, Stools, Tables, Trucks, etc. Angle Steel Stool Co., Inc., Plainwell, Mich.
Ott Grinders. Ott Grinder Co., Indianapolis, Ind.
Ottawa Fire Brick. Chicago Retort & Fire Brick Co., Chicago.
Otter Belt Cement. W. D. Allen Mfg. Co., Chicago.
Otter Waterproof Belting. American Belting & Tanning Co., Boston.
Otter Waterproof Leather Belting. Leather Belt Cement. W. D. Allen Mfg. Co., Chicago.
Otto Engines. The Otto Engine Works, Philadelphia, Pa.
Ottoman Grinding Wheels and Emery. H. A. Stiles & Co., Boston, Mass.
Ottomatic Coal Chutes. Church Appliance Mfg. Co., La Salle, Ill.
Ott's Bark Shaving Mills. Benjamin Otto & Sons Co., La Crosse, Wis.
Ottuma Garden Hose. Hewitt Rubber Co., Buffalo.
Ottumwa Hoisting Engines, Mine Equipment, Etc. Ottumwa Iron Works, Inc., Ottumwa, Ia.
Ottumwa Loaders. Ottumwa Box Car Loader Co., Ottumwa, Ia.
Ottumwa Mine Screens. Ottumwa Box Car Loading Co., Ottumwa, Ia.
Ottumwa Sash Pulleys. Johnston & Sharp Mfg. Co., Ottumwa, Ia.
Ounce Graduated Gauges. Jas. P. Marsh & Co., Chicago.
Our Clipper Ranges and Stoves. Gray & Dudley Hdwe. Co., Nashville, Tenn.
Our Extra Rubber Belting. New York Rubber Co., New York.
Our Favorite Steam Heaters. R. C. Bartley Co., Bartley, N. J.
Our Home Hot Air Furnaces. Hood Furnace & Sup. Co., Corning, N. Y.
Our Leader Package Handles. Tie Co., Unadilla, N. Y.
Our Pride Hoof Parers. Champion Tool Co., Meadville, Pa.
Outersite Metal Mouldings. Union Metal Corner Co., Boston.
Outlook Wind Shield Cleaners. Outlook Co., Cleveland.
Outlook Window Envelopes. U. S. Envelope Co., Springfield, Mass.
Out-O-Sight Mouse and Rat Traps. Animal Trap Co., of America, Lititz, Pa.
Outrigger Row Locks. Thos. Laughlin Co., Portland, Me.
Out-rite Lubricating Oils. Phoenix Oil Co., Cleveland, O.
Oval Pointed Belt Hooks. Manufacturers Belt Hook Co., Chicago.
Oval Port Lights. Thos. Laughlin Co., Portland, Me.
Ovalduct Conduit Fittings, Locknut and Outlet Bushings. Steel City Elec. Co., Pittsburgh.
Ovalduct Electrical Fittings. Steel City Electric Co., Pittsburgh, Pa.
Ovalhole Hollow Center Packings. The Hollow Center Packing Co., Cleveland, O.
Ovalpole Sheet Packing. Hollow Center Packing Co., Cleveland, O.
Ovatus Lavatories. Crane Co., Chicago.
Overall Goggles. Strauss & Buegeleisen, Brooklyn, N. Y.
O-Ver-Awl Paints, Enamels, Shellacs, Varnishes. G. J. Liebich Co., Chicago.
Overbrook Roller Bearing Lawn Mower. Phila. Lawn Mower Co., Philadelphia.
Overland Automobile Bldrs. Willys-Overland Co., Toledo, O.
Overland Camp Stove. Combination Folding Camp Stove Co., Inc., Los Angeles, Cal.
Overland Farm Trucks and Wagons. Emerson-Brantingham Co., Rockford, Ill.
Overland Lawn Mowers. American Lawn Mower Co., Muncie, Ind.
Overshot Separators. J. W. Conners & Son, Orangeville, Pa.
Overstrom Gas and Oil Separator. Fernholtz Machinery Co., Los Angeles, Cal.
Over-The-Top Bottle Openers. Vaughan Novelty Mfg. Co., Chicago.
Over-The-Top Pencils. United States Pencil Company, Philadelphia, Pa.
OveR-Way Carrying Systems. Richards-Wilcox Mfg. Co., Aurora, Ill.
Owatonna Churns. Advance Rumely Co., La Porte, Ind.
Owatonna Fanning Mills. Owatonna Fanning Mill Co., Owatonna, Minn.
Owego Farm Wagons. Champion Wagon Co., Owego, N. Y.
Owen Dredging and Excavating Buckets. Owen Bucket Co., Cleveland, Ohio.
Owen Magnetic Motor Cars. R. & L. Baker Company, Cleveland, O.
Owl Auto Lights. C. H. Foster Accessories Co., Chicago.
Owl Belting and Hose. Bowers Rubber Works, San Francisco, Cal.
Owl Brand Saddlery Hardware. Elbel Co., Canton, Ohio.
Owl Cement. La Salle Portland Cement Co., La Salle, Ill.
Owl Grease Cups. Lunkenheimer Co., Cincinnati, O.
Owl Pneumatic Hose. Pioneer Rubber Mills, San Francisco.
Own Band Kitchen Knives. L. D. Parkhurst, Danielson, Conn.
Owners Spark Coils. Autocoil Co., Jersey City, N. J.
Ox Fibre Brushes. Ox Fibre Brush Co., Frederick, Md.
Ox Fibre Paper. The Union Paper & Twine Co., Cleveland, O.
Oxaluma Grinding Wheels. Cortland Grinding Wheel Corp., Chester, Mass.
Oxford Copper Washers. Metallo Gasket Co., New Brunswick, N. J.
Oxford File Folders, Guides, Etc. Record Card Co., Brooklyn, N. Y.
Oxford Hinges. Columbian Hardware Co., Cleveland, O.
Oxford Metal Polish. Crowell Chemical Co., Beverly, Mass.
Oxford Pig Iron. Empire Steel & Iron Co., Catasauqua, Pa.
Oxford Ship Water Closets. Thos. Laughlin Co., Portland, Me.
Oxford Spring Tooth Harrows. Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Ox-Hide Leather Belting and Round Belt. F. Raniville Company, Grand Rapids, Mich.
Ox Hose. J. W. Buckley Rubber Co., New York.
Oxidized Paints and Cement. Goheen Mfg. Co., Warren, O.
Oximony Dry Colors. E. M. & F. Waldo, New York.
Ox-Oil-Ox Belt Dressing. F. S. Walton Co., Philadelphia.
Oxolin Black. Ball Chemical Company, Pittsburgh, Pa.
Oxolin Oils. Ball Chemical Company, Pittsburgh, Pa.
Oxone Water Sterilizers. Hill Pump Valve Co., Chicago.
Oxweld Blow Pipes, Generators, Torches, Etc. Oxweld Acetylene Co., Newark, N. J.
Oxweld Welding and Cutting Equipment. Oxweld Acetyline Co., San Francisco, Calif.; Long Island City, N. Y.
Oxy-dyz-ene Oxidizing Agent. Krembs & Company, Chicago.
O Y L-R Y T Measures, Funnels. A. C. Kraft, Chicago.
Ozark Faucet Filters. E. L. Miller Mfg. Co., Kansas City, Mc
Ozark Hammer Handles. American Handle Co., Jonesboro, Ark.
Ozark Walking and Riding Cultivators. Kingman Plow Co., Peoria, Ill.
Ozite Carpet Cushion. American Hair Felt Co., Chicago.
Ozite Insulating Compound. Standard Underground Cable Co., Pittsburgh, Pa.
Ozol Lubricating Oil. Petroleum Products Co., San Francisco, Cal.
Ozone Baking Enamels. Chase, Roberts & Co., Long Island City, N. Y.
Ozonite Varnish. Chase, Roberts & Co., Long Island City, N. Y.

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P A Chemical Ware. Pacific Platinum Works, Los Angeles, Cal.
P. A. T. Iron and Steel Roofing. Cincinnati Sheet Metal & Roofing Co., Cincinnati, Ohio.
P. B. Bibbs. Cocks and Faucets. Peck Bros. & Co., New Haven, Conn.
P. B. Drinking Fountains. Peck Bros. & Co., New Haven, Conn.
PB Farm Wagons. Patterson Mfg. Co., Holly, Mich.
P. B. H. Cocks and Gauges; Gauge Glass Protectors; Tornado Boiler Flue and Tube Cleaners. Paul B. Huyette Co., Philadelphia, Pa.
P. B. W. Expansion Ring Couplings. Pioneer Brass Works, Indianapolis, Ind.
P. C. Bottles and Glasses. Pacific Coast Glass Works, San Francisco.
P. C. Creco Brake Beams. Chicago Railway Equipment Co., Chicago.
P. C. P. Valves and Fittings. Price-Corcoran-Pfister Co., Los Angeles.
P. D. Knife Cleaning Machines. Hamilton-Low Co., Jersey City, N. J.
P. D. Q. Envelopes. Gaw-O'Hara Envelope Co., Chicago.
P. D. Q. Spark Plug. Wolverine Spark Plug Co., Inc., Detroit, Mich
P. D. Q. C. Pipe Machinery. Bignell & Keeler Machine Works, Edwardsville, Ill.
P. H. Cranes, Excavators, Backfillers, Tampers, Monorail Systems. Pawling & Harnichfeger Co., Milwaukee, Wis.
P H P Paints. Patterson-Sargent Co., Cleveland, O.
P I C O Gauges. Precision Instrument Co., Detroit, Mich.
P. I. W. Steel Plate Products. The Petroleum Iron Works Company, Sharon, Pa.
P. I. W. Tanks. Petroleum Iron Works Co., Sharon, Pa.
P. K. Incandescent Cut Outs. Hart & Hegeman Mfg. Co., Hartford, Conn.
P. L. Leather Belting. Penn Leather Co., Philadelphia, Pa.
P Manila Rope. Portland Cordage Co., Portland, Ore.
P. Muffler Valves. J. E. Lonergan Co., Philadelphia.
P N Locomotive Gears, Valves and Housings. Pyle National Electric Headlight Co., Chicago.
P-O-B Bearings. Mechanical Devices Co., Aurora, Ill.
P. O. T. Oil Well Tools. Pacific Oil Tool Co., Los Angeles, Cal.
P P Petroleum Products. Petroleum Products Co., San Francisco, Cal
P P Structural Steel. South American Shipping Co., New York.
P. P. White Lead. Jas. H. Prince Paint Co., Boston, Mass.
P P P Metal Surfacer. Aug. P. Fuller Co., Portland, Me.
P. P. P. Packing. Quaker City Rubber Co., Philadelphia, Pa.
P. R. Bells and Buzzers. Stanley & Patterson, Inc., New York.
P. R. F. 33 Steel and Tools. Darwin & Milner, New York.
P. R. Silica Refractories. Parker-Russell Mining & Mfg. Co., St Louis, Mo.
P R Weatherproof Electric Bells. P R Mfg. Co., Detroit, Mich.
P. S. M. D. Puritan Belt. Puget Sound Machinery Depot, Seattle, Wash
P S P Silver Polish. Frederick Piner, Los Angeles, Cal.
P. S. Wrenches. Winchester Repeating Arms Co., New Haven, Conn.
P. S. & W. Bit Braces. Peck, Stow & Wilcox, Southington, Conn
P. S. & W. Samson Take-Down Squares. Peck, Stow & Wilcox Co., Southington, Conn.
P. S. & W. Tinners' Snips, Engineers' and Machinists' Wrenches, Solid Handle. Peck, Stow & Wilcox Co., Southington, Conn.
P. T. Berg Hot Metal Cars. Wm. B. Pollock Co., Youngstown, O.
P. & A. Tar Extractors. Isbell-Porter Co., Newark, N. J.
P. & B. Electrical Compound, Varnishes, Paints, Insulating Tape The Ruberoid Company, New York.
P. & B. Paints. Paraffin Co.'s, Inc., San Francisco.
P. & C. Asbestos Packed Valves, Ammonia Gauges and Fire Hydrants. Pratt & Cady Co., Hartford, Conn.
P. & C. Traps and Valves. Pratt & Cady Co., Hartford, Conn.
P. & G. Laundry Soap. Procter & Gamble Co., Cincinnati, O.
P & H Cranes, Hoists, Excavators, Backfillers, Tampers, Machine Tools. Pawling & Harnischfeger Co., Milwaukee, Wis.
P. & M. Bond Wire Products. P. & M. Co., Chicago.
P. & M. Loose Leaf Devices, Metal Tip Filing Guides, Etc. Plew & Motter, Dept. of The Workman Mfg. Co., Chicago.
P. & M. Rail Anchors, Rail Anti-Creepers. P. & M. Co. (The), Chgo.
P. & M. Rail Anti-Creepers. P. & M. Co., Chicago.
P. & O. Ladles and Shanks. General Welding & Mfg. Co., Milwaukee, Wis.
P. & O. Plows; Listers and Lister Cultivators; Cotton and Corn Planters; Sugar Beet Implements. International Harvester Company of America, Inc., Chicago.
P. & S. Pipe Benders. Pedrick Tool & Machine Co., Philadelphia, Pa
P. & S. Steam Traps. James B. Clow & Sons, Chicago.
P. & S. Weatherproof Sockets, Pendant Switches, Attachment Plugs Receptacles, Transformer Cutouts, Switch Boxes and Electric Rosettes. Pass & Seymour, Solvay, N. Y.
P. & W. Co. Gages, Tools and Parts. Pratt & Whitney Co., New York
Paasche Air Brushes and Paint Sprayers. Paasche Air Brush Co. Chicago.
Pabcolin Roofing. Parafine Companies, Inc., San Francisco.
Pabro Paints and Wall Board. Paraffin Co.'s Inc., San Francisco.
Pace-Arrow Belting. Olmsted Flint Co., Cambridge, Mass.
Pacemaker Belting and Rubber Hose. Cincinnati Rubber Mfg. Co. Cincinnati, Ohio.
Pacemaker Gasoline Pump. S. F. Bowser & Co., Fort Wayne, Ind.
Pacemaker Leather Belting. Olmsted-Flint Company, Cambridge, Mass
Pacemaker Oils and Greases. Crew Levick Co, Philadelphia, Pa
Pacent Receivers and Amplifiers. Jacks. Pacent Electric Co., New York
Pacific Air Valves. James P. Marsh & Co., Chicago.
Pacific Arms Firearms and Ammunition. Pacific Arms Corp., San Francisco.
Pacific Automatic Valves and Radiator Vents. Jas. P. Marsh & Co., Chicago
Pacific Automobile Towing Ropes. Wm. P. Jones, Oakland, Calif
Pacific Bathroom Enamel. Pacific Sanitary Mfg. Co., San Francisco
Pacific Belt Hose. The Diamond Rubber Co., Inc., Akron, O.
Pacific Commutators for Fords. Pacific Auto Specialty Co., San Francisco.
Pacific Five Ply Wood Core, Wall Board Panels. National Mill & Lumber Co., San Francisco.
Pacific Gas Furnaces and Radiators. Pacific Gas Radiator Co., Los Angeles.
Pacific Lawn Sprinklers. American Foundry & Mfg. Co., St. Louis.
Pacific Leather Belting. C. R. Davis Co., Los Angeles, Cal.; Schwartz Belting Co., New York.
Pacific Nu-tred Auto Tire Re-tread Molds. L. L. Caldwell Co., Los Angeles.
Pacific Oil Stoves. Taylor & Boggis Fdry. Co., Cleveland.
Pacific Pipe. Pacific Pipe Co., San Francisco.
Pacific Rubber Hose. Voorhees Rubber Mfg. Co., Jersey City, N. J.
Pacific Sad Irons. Edison Elec. Appliance Co., Inc., Chicago.
Pacific Steel Barrels. Western Steel Package Co., Alameda, Calif.
Pacific Steel Heating Boilers. General Boilers Co., Waukegan, Ill.
Pacific Stumping Powder. E. I. du Pont de Nemours & Co., Inc., Explosives & Smokeless Powder Depts., Wilmington, Del.
Pacific Tanks and Pipe. Pacific Tank & Pipe Co., San Francisco, Cal.
Pacific Typewriter Paper. Elsinore Paper Co., New York.
Pacific Wire Cloth. Pacific Wire Rope Co., Los Angeles, Calif.
Pack Carbonizing Compounds. C. G. Buchanan Chem. Co., Cincinnati, O.
Packard Automotive Cables. The Packard Elec. Co., Warren, O.
Packard Cables. The Packard Electric Co., Warren, O.
Packard Concrete Mixers. Am. Cement Mach Co., Keokuk, Ia.
Packard Incandescent Electric Lamps. Packard Lamp Works of G. E. Co., Warren, O.
Packard Jr. Automotive Cable. The Packard Electric Co., Warren, O.
Packard Lubricating Oils and Greases. Puritan Oil Co., Cleveland.
Packard Transformers. The Packard Electric Co, Warren, O.
Packard Vacuum Pumps. Norman Hubbard's Sons, Brooklyn, N. Y.
Packer Ratchet Drills. Lovejoy Tool Works, Chicago. A. R. King Mfg. Co., Kingston, N. Y.
Packer Ratchets. Billings & Spencer Co., Hartford, Conn.
Packer's Tar Soap. Packer Mfg. Co., The, New York.
Packham Stove and Conductor Pipe Crimpers. Packham Crimper Co., Mechanicsburg, O.
Packers Type Cooling Towers. Edwin Burhorn Co., New York.
Packide Leather Belting. Charlotte Leather Belting Co., Charlotte, N. C.
Packing Separators. Marion Incline Filter & Heater Co., Marion, O.
Paco Proof Press. Hacker Mfg. Co., Trenton, N. J.
Pactite Packing Mfrs. Federal Metallic Packing Co., Boston.
Paddock Water Filters. Atlantic Filter Co., Buffalo, N. Y.
Padiv Lining Paper. Brown Co., Portland, Me.
Paducah Chestnut Poles. Paducah Pole & Timber Co., Paducah, Ky.
Paf Steel. Peter A Frasse Co., Inc., New York.
Pafesco Felt and Fibre Gaskets and Washers. Pacific Felt Cutting and Sewing Co., San Francisco.
Page Adjustable Pumps and Drilling Engines. Montpelier Mfg. Co., Montpelier, Ind.
Page-Armco Welding Rods; Fencing. Page Steel & Wire Co., Bridgeport, Conn.
Page Belt Dressing. Walter C. Gold, Philadelphia.
Page Belting. Page Belting Co., Concord, N. H.
Page-Burton Sectional Water Tube Boilers. Page Boiler Co., Chicago.
Page Concrete Reinforcing Fabrics. Fencing. Page Woven Wire Fence Co., Monessen, Pa.
Page Dragline and Scraper Buckets. Page Engineering Co., Chicago.
Page Dredging and Excavating Buckets. John W. Page, Chicago.
Page Engine Pumps. Montpelier Mfg. Co., Montpelier, Ind.
Page Scraper Buckets. Page Eng. Co., Chcago.
Page Sectional Steam Heaters. Wm. H. Page Boiler Co., New York.
Page Valve Fixtures. Am. Valve and Meter Co., Cincinnati, O.
Page Wall Ties and Wire Stretchers, Handy Panels, Fence Anchors. Page Steel & Wire Fence Co., Adrian, Mich.
Page Wall and Portable All Purpose Beds. Page Wall Bed Co., Los Angeles, Calif.
Page Wire. Page Steel & Wire Co., Bridgeport, Conn.
Paige Automobile and Motor Trucks. Paige Detroit Motor Car Co., Detroit, Mich.
Pagrip Metal Molding and Fittings. Appleton Electric Co., Chicago.
Pahlow Patent Hose Couplings and Valves. The Anchor Valve & Fitting Co., Detroit, Mich.
Pahmswepa Brooms. Atlantic Trust Co., Jacksonville, Fla.
Paige-Jones Softeners; Filters; Feed Water Treatments. Paige & Jones Chemical Co., Hammond, Ind.
Paine Hangers, Toggle Bolts and Expansion Shells. The Paine Company, Chicago.
Paint Gun Pneumatic Painting Machine. International Engng. Co., Malden, Mass.
Paint Remover. Globe Chemical Co., Boston, Mass.
Paiste Receptacles. Sockets and Pull Switches. Hart & Hegeman Mfg. Co., Hartford, Conn.
Paiste Sockets; Receptacles; Rosettes; Attachment Plugs. H. T. Paiste Co., Philadelphia, Pa.
Pakring Metal Castings. Locomotive Cylinder Bushings, Cylinder and Valve Packing, Locomotive Finished Material Co., Atchison, Kan
Pak-Tite Paper Bailing Presses. United Steel & Wire Co., Battle Creek, Mich.
Pal Magazine Pencils. The Hoge Mfg. Co., Waterbury, Conn.
Palace Doro Hangers. Richards-Wilcox Mfg. Co., Aurora, Ill.
Palace Radial Gas Heaters. Lawson Mfg. Co., Homestead, Pa.
Palacelite Kerosene Oil. Great Western Oil Co., Cleveland, O.
Palco Products. Worcester Pressed Aluminum Co., Worcester, Mass
Palette Brand Bath Room Fixtures, Coat Hooks, Tumbler Holders. Searls Mfg. Co., Newark, N. J.
Palin Brick Bond High Temperature Cement. Palin & Son, Tacoma, Wash.
Palko Cameras. Cruver-Peters Co., Chicago.
Palmbla Atomizer Carburetors. North Chicago Machine Co., North Chicago, Ill.
Palmer Back Water Traps. Illinois Malleable Iron Co., Chicago.
Palmer Backwater Valves. Glenn Mfg. Co., St. Charles, Ill.
Palmer-Bee Conveyors; Jib Cranes; Traveling Cranes; I-Beam Trolleys, Switches and Monorail Equipment; Spur and Worm Gear
Palmer Gasoline Marine Engines. Palmer Bros., Engines, Inc., Cos Cob, Conn.
Palmer Lime. Palmer Lime & Cement Co., New York.
Palmer-Moore Motor Trucks. Palmer-Moore Co., Syracuse, N. Y.
Palmer Traps and Cleanouts. Advance Mfg. Co., Erie, Pa.
Palmer's Carriage Springs. Concord Axle Co., Penacook, N. H.
Palmer's Fish Nets. C. & W. McClean Merc. Co., St. Louis.
Palmer's Gluing Clamps. A. E. Palmer & Son, Owosso, Mich.
Palmer's Traps. A. L. Sivett Iron Works, Medina, N. Y.
Palmer's Wood Faucets. Crandall Bros., N. Kingsville, O.
Palmetto Brush Fibre. Am. Fibre Co., Jacksonville, Fla.
Palmetto Packing. Green, Tweed & Co., New York.
Palmolive Soap. Palmolive Co., Milwaukee, Wis.
Palms Combination Sand Pumps. Larkin & Co., Butler, Pa.
Palmyra Fibre Brushes. Universal Brush Co., Freeport, Ill.
Palnut Nut Lock. The Palnut Co., New York.
Palnboo Cutting Compound. Pennsylvania Lubricating Co., Pitts., Pa
Pal-Weld Solder. Fluxes. Compounds and Cylinder Score Scraper. Pal-Weld Sales Co., Seattle, Wash.
Pamea Gas Burners. Plume & Atwood Mfg. Co., Waterbury, Conn.
Pamisco Drinking Cups. Paper Mills Specialty Co., Chicago.
Pammak Paints. Paint Mf. Assn. of the U. S., Philadelphia Pa.
Pan A Automobiles. Pan Motor Co., St. Cloud, Minn.
Pan American Fire Extinguishers. N. L. Snyder & Son., Philadelphia.

Panama Belt Dressing. Panama Oil & Grease Co., New York.
Panama Carbon Paper. Manifold Supplies Co., Brooklyn, N. Y.
Panama Concrete Mixers. J. B. Foote Foundry Co., Fredericktown, O.
Panama Eye Shades. Chicago Eye Shield Co., Chicago.
Panama-Hydro Pneumatic Pumps. Humphreys Mfg. Co., Mansfield, O.
Panama Lawn Mowers. Penna. Lawn Mower Works, Philadelphia.
Panama-Lite Lighting Fixture. Panama Lamp & Commercial Co., San Francisco, Cal.
Panama Padlocks. E. T. Fraim Lock Co., Lancaster, Pa.
Panama Spray Pumps. The F. E. Myers & Bro., Ashland, O.
Panama Walking and Riding Cultivators. Kingman Plow Co., Peoria, Ill.
Panamold Rubber Roofing. Barrett Co., New York.
Panazone Polish. Joseph E. Perrault, Springfield, Mass.
Panay Show Jar. Panay Horizontal Show Jar Co., Milwaukee, Wis.
Panco Boot Tops. Panco Rubber Co., Chelsea, Mass.
Panelite Lighting Cabinets. M. J. Wohl & Co., Brooklyn, N. Y.
Pangborn Sand-Blast Equipment. Pangborn Corp., Hagerstown, Md.
Panhard Oils and Greases. Geo. A. Haws, New York.
Pannier Stamps. Pannier Bros. Stamp Co., Pittsburgh, Pa.
Pantasote Artificial Leather. Pantasote Co., New York.
Pantosote Curtain and Top Material. The Pantosote Co., New York.
Pantec Physical Apparatus. Pantechnical Mfg. Co., Berkley, Calif.
Panther Scoop Rubber Heels. Panther Rubber Mfg. Co., Stoughton, Mass.
Panther Special High Speed Steel. Atlas Steel Corp., Dunkirk, N. Y.
Paownyc Car Window Fixtures. O. M. Edwards Co., Inc., Syracuse, N. Y.
Paper City Leather Belting. Holyoke Belting Co., Holyoke, Mass.
Paper Mill Belt. The Diamond Rubber Co., Inc., Akron, O.
Paperoid Mailing and Filing Container. Bushnell Co., Alvah, Philadelphia, Pa.
Para Roofing Cements. A. Wilhelm Co., Reading, Pa.
Para Rubber Cement. W. H. Salisbury & Co., Inc., Chicago.
Parabolic Milling Cutters. National Twist Drill & Tool Co., Detroit, Mich.
Parabolite Lighting Units. Benjamin Electric Mfg. Co., Chicago.
Parac Rubber Covered Wire. Phillips Wire Co., Pawtucket, R. I.
Paracoil Evaporators, Feed Water Heaters, Filters, Stills, Etc. Row and Davis Engineers, Inc., New York.
Paracote Felt Roofing. Chatfield Mfg. Co., Carthage, Cincinnati, O.
Paradags Packings. John M. Watts Son, Philadelphia, Pa.
Paradise Line (Playground Equipment and Camp Furniture). The F. B. Zieg Mfg. Co., Fredericktown, O.
Paradox Adjustable Beamers. Cleveland Twist Drill Co., Cleveland, O
Paradox Reamers. Cleveland Twist Drill Co., Cleveland, O.
Paradox Screw Drivers. W. A. Ives Mfg. Co., Wallingford, Conn.
Paradux Canvas and Felt Roofing. Flintkote Co., Boston.
Paragol Core Oils, Rubber Substitutes. Corn Products Refining Co., New York.
Paragon Anvils. Horace T. Potts & Co., Philadelphia.
Paragon Ball Cocks and Self-Closing Faucets, Stop Valves. Vulcan Brass Mfg. Co., Cleveland, O.
Paragon Ball Wicking. Robt. Bishop Mfg. Co., Boston, Mass.
Paragon Belt Dressing. Montgomery Bros., Philadelphia.
Paragon Blue Printing Machines. Paragon Machine Co., Rochester.N.Y
Paragon Boiler Couplings. Trenton Brass & Mch. Co., Trenton, N. J
Paragon Box Strapping. American Box Strapping Co., Inc., New York.
Paragon Cocks, Bibbs and Waste Valves. The Vulcan Brass Mfg. Co. Cleveland, O.
Paragon Cold Saw Cutting-off Machines. Tindel-Morris Co., Eddyston, Pa.
Paragon Core Packing. Montgomery Bros., Inc., Philadelphia, Pa.
Paragon De Lux Garment Hangers and Fibre Lunch Boxes. Hampden Toy Co., Westfield, Mass.
Paragon Dumb Waiters. Storm Mfg. Co., Newark, N. J.
Paragon Duplex Lubricators. The Lunkenheimer Co., Cincinnati, O
Paragon Emery Cutter. Curtin-Hebert Co., Gloversville, N. Y.
Paragon Emery Wheel Dressers. Chicago Wheel & Mfg. Co., Chicago; Curtin-Hebert Co., Gloversville, N. Y.
Paragon End Gate Seeders. Bristol & Gale Co., Chicago.
Paragon Fire Hose. Eureka Fire Hose Mfg. Co., New York.
Paragon Fly Traps. Reynolds Wire Co., Dixon, Ill.
Paragon Gas Burners. Wilson & Daum Co., Pittsburgh, Pa.
Paragon Ground Cones, Automobile Battery Boxes, Self-tying Porcelain Knobs, Time Switches and Handy Lamps. Paragon Elec. Co., Chicago.
Paragon Hot Air Furnaces, Steam Heaters. Isaac A. Sheppard & Co., Baltimore, Md.
Paragon Inkstands, Moistures, Paper Weights, Etc. Weeks Mfg Co. Inc., Frank A., New York.
Paragon Insulating Tape. General Electric Co., Schenectady, N. Y.
Paragon Knife Switches. Geo. Cutter Co., South Bend, Ind.
Paragon Lawn Mowers. F. & N. Lawn Mower Co., Richmond, Ind.
Paragon Leather Belting. W. S. Nott Co., Minneapolis, Minn.
Paragon Lubricators. Lunkenheimer Co., Cincinnati, O.
Paragon Marine Reverse Gears. Paragon Gear Works (Evans Stamping & Painting Co.), Taunton, Mass.
Paragon Packing. Empire Tire & Rubber Corp., East Trenton, N. J.
Paragon Paint and White Wash Spraying Machines. F. & F. Koenigkramer, Cincinnati, O.
Paragon Paints and Enamels and Wood Fillers. Lincoln Paint & Color Co., Lincoln, Nebr.
Paragon Pliers and Nippers. Wm. Schollhorn Co., New Haven, Conn.
Paragon Portland Cements. Lawrence Cement Co., New York.
Paragon Radio Products. Adams Morgan Co., Upper Montclair, N. J.
Paragon Riding Listers. Kingman Plow Co., Peoria, Ill.
Paragon Screw Plates and Taps. S. W. Card Mfg. Co., Mansfield, Mass.
Paragon Screw Plates. S. W. Card Mfg. Co., (Div. of Union Twist Drill Co.), Mansfield, Mass.
Paragon Shades and Reflectors. American Reflector & Lighting Co., Chicago.
Paragon Shoe Blacking and Polishes. Frank Miller Co., New York.
Paragon Shoe Lasts and Stands. John C. Kupferle Foundry Co., St. Louis.
Paragon Sickel Grinders. Walter A. Wood Mower & Reaper Mach. Co., Hoosick Falls, N. Y.
Paragon Sprayers for Spraying Disinfections, Insecticides, Whitewash and Water Paint. Campbell-Hausfeld Co., Harrison, O.
Paragon Swedish Steel Anvils. Horace T. Potts & Co., Philadelphia, Pa
Paragon Time Switch, Ground Cones, Battery Boxes, Self-Tying Knobs, etc. Paragon Electric Co., Chicago.
Paragon Transmission Gearing. Evans Stamping & Plating Co., Taunton, Mass.
Paragon Triplex Lubricators. The Lunkenheimer Co., Cincinnati, O.
Paragon Turpentine. Thomas Sealy, New York.
Paragon Varnishes. Wood & Van Derwerken Varnish Co., Brooklyn, N. Y.
Paragon Wax Tapers. Thos. W. Houchin Co., New York.
Paragon Wire. Washburn Wire Co., New York.
Para-Kon Safety Razors. Arnold Co., Reading, Pa.
Par-a-lae Paste Paints. Parker Preservative Co., Brooklyn, N. Y.
Parallel Comealongs. Eureka Co., North East, Pa.
Paralyzer Clod Crushers. Moline Plow Co., Moline, Ill.
Paramo Gaskets and Packing. Revere Rubber Co., Boston, Mass.
Paramo "U. S." Packing. United States Rubber Co., New York.
Paramoid Tires. Pharis Tire & Rubber Co., Newark, O.
Paramount Auto Horns. Auto Metal Products Co., New York.
Paramount Automobile Horns. Auto Metal Products Co., Inc., New York.
Paramount Babbitt Metal. Pittsburgh Gage & Sup. Co., Pittsburgh.
Paramount Boiler Compounds, Auto Floor and Lubricating Oils. Frederick Schilling, New York.
Paramount Bunting Signal Flags, U. S. and Foreign Flags. The Chicago Canvas Goods & Flag Co., Chicago.
Paramount Coffins. Cincinnati Coffin Co., Cincinnati.
Paramount Hacksaw Blades and Steel. L. C. Blancke Co., New York.
Paramount Hose. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Paramount Ink Pencil; Fountain Pens. Farrell & Hosinger Co., Jersey City, N. J.
Paramount Malleable Ranges. Malleable Iron Range Co., Beaver Dam, Wis.
Paramount Mortar Colors. Lookout Paint Mfg. Co., Chattanooga, Tenn.
Paramount Oils and Greases. Crew, Levick Co., Philadelphia, Pa.
Paramount Steel Tubing. Pressed Metal Radiator Co., Pittsburgh, Pa.
Paramite Packing. Manhattan Rubber Mfg. Co., Passaic, N. J.
Paranite. Indiana Rubber & Insulated Wire Co., Jonesboro, Ind.
Paranite Submarine Cables, Insulated Rubber Covered and Telephone Wires. Indiana Rubber & Insulated Wire Co., Jonesboro, Ind.
Paranite Wire Cables. Indiana Rubber & Ins. Wire Co., Jonesboro, Ind.
Par Plus Automobile Fan Belts. Oregon Fan Belt Co., Portland, Ore.
Para-Steel Reflectors. Wheeler Reflector Co., Boston, Mass.
Paratax Rubber Roofing. Usona Mfg. Co., Aurora, Ill.
Paratex Plastic Material. Litsolio Co. of America, Inc., Philadelphia, Pa.
Paravaseline Lubricating Oil for Cleaning Guns and Revolvers. Remington Arms-Union Metallic Cartridge Co., Inc., New York.
Pardee Shafting and Screw Stock. Pardee Steel Corporation, Perth Amboy, N. J.
Parenti Automobiles. Parenti Motors Corp., Buffalo, N. Y.
Parenite Rubber Packing. Manhattan Rubber Mfg. Co., Passaic, N.J.
Parenito Packing. Manhattan Rubber Co., Passaic, N. J.
Parian Glass Shades. Gill Bros. Co., Steubenville, O.
Paril's Jams, Jellies and Preserves. Puyallup & Summer Fruit Growers' Canning Co., Puyallup, Wash.
Parine Waterproof Paints. F. W. Bird & Son, East Walpole, Mass.
Paripan. Enamels. W. H. S. Lloyd Co., New York.
Paris Broom Corn Harvesters. Paris Foundry & Machine Works, Paris, Ill.
Paris Crepe Paper Napkins. Tuttle Press Co., Appleton, Wis.
Parish Heat Treated Frames. Parish Mfg. Co., Detroit, Mich.
Parisian Elec. Hair Drying Comb. Wm. H. Slaughter Co., Chicago.
Park Auto Parts & Fittings. Park Mfg. Co., Worcester, Mass.
Park Crank Shafts. Park Drop Forge Co., Cleveland, O.
Park Lawn Sprinklers. American Foundry & Mfg. Co., St. Louis.
Park Water Tube Boiler. D. D. Flanner Boiler Co., Toledo, O.
Parker Air Compressors. Brunner Mfg. Co., Utica, N. Y.
Parker Bros., Rifles, Guns, Etc. Chas. Parker Co., Meriden, Conn.
Parker Corner Bead. The Youngstown Pressed Steel Company, Warren, Ohio.
Parker Down-Flow Water Tube Boilers. Pardel Corp., Philadelphia.
Parker Drill Chuck. Parker Arbor Co., Ann Arbor, Mich.
Parker Expansion Bolts. Parker Supply Co., New York.
Parker Governor Pulleys. Holland Engine Co., Holland, Mich.
Parker Harrows and Pulverizers, Portable Presses, Tobacco Screws. Ripley Foundry & Mach. Co., Ripley, O.
Parker High Speed Ball Bearings and Machine Tool Spindles. Ex-Cell-O Tool & Mfg. Co., Detroit, Mich.
Parker-Kalon File and Soldering Iron Handles, Sash Chains, Damper Regulators, Sheet Metal Screws and Dogwood Mallets. Parker-Kalon, Corp., New York.
Parker Machinists. Parker Machine Co., Boston.
Parker Mine Car Wheels. Eagle Iron Works Co., Terre Haute, Ind.
Parker New Rotary Stone Saw. Lane Mfg. Co., Montpelier, Vt.
Parker No. 2 Fruit Can. Parker Wire Goods Co., Worcester, Mass.
Parker Pipe Vises. Oswego Tool Co., Oswego, N. Y.
Parker Process Rust-Proof. Parker Rust-Proof Co., Detroit, Mich.
Parker Refrigerating Machines. Parker Iron Works, Inc., San Bernardino, Calif.
Parker Sheet Metal Screws. Parker Supply Co., New York.
Parker Shot Guns. Parker Bros., Meriden, Conn.
Parkersburg Portable Drilling Machines. Parkersburg Rig & Reel Co., The, Parkersburg, W. Va.
Parkhurst Burr Pickers. Brown Cotton Gin Co., New London, Conn.; Curtis & Marble Machine Co., Worcester.
Parko Joints, Pipe Bends, Steam Drums and Traps, Receiving Tanks, Etc. The Parks-Cramer Co., Fitchburg, Mass.
Parks-Cramer Air Cooling and Purifying Apparatus. Parks-Cramer Co., Fitchburg, Mass.
Park's Foundry Molding Machines. A. Buch's Sons Co., Elizabethtown, Pa.
Park's Magnetic Brad Sets. Electric Appliance Mfg. Co., Dept. H, Waterbury, Conn.
Perk's Self-Hardening Steel. Crucible Steel Co. of Amer., Pittsburgh.
Parks Woodworking Machine. Parks Ball Bearing Machine Co., Cincinnati.
Parkside Hose. Mulconroy Co., Inc., Philadelphia, Pa.
Par-Lock Mastic Roofing. Union Products Co., Cleveland.
Parlor City Force Pumps. Chandler Pump Co., Cedar Rapids, Ia.
Parlor Pride Stove Polish. Parlor Pride Mfg. Co., North Andover, Mass.
Parlor Queen Carpet Sweepers. Bissell Carpet Sweeper Co., Grand Rapids, Mich.
Parmaco Oil Well Packers. Parkersburg Mach. Co., Parkersburg, W. Va.
Parmelee Wrench. Walworth Mfg. Co., Boston, Mass.
Parnite Packing. Manhattan Rubber Mfg. Co., Passaic, N. J.
Paro Oil. Adams & Elting Co., Chicago.
Parole Lubricators. Wm. Powell Co., Cincinnati, O.
Parole Oil Cups. Wm. Powell Co., Cincinnati, O.
Paroline Motor Oil. Bayerson Oil Works, Erie, Pa.
Parowax Paraffine. Standard Oil Co., Chicago.
Parr Calorimeters. Elmer & Amend, New York.
Parr Standard Calorimeters. Standard Calorimeters Co., E. Moline, Ill.

Parrett Traction Gasoline Engines. Weber & Damme Wagon Co., St. Louis, Mo.
Parrish Flexible Arm Shakers. Wilmot Engr. Co., Hazelton, Pa.
Parrot Grey Enameled Ware. Crunden Martin Mfg. Co., St. Louis, Mo.
Parrott Metal Polish. Cudahy Packing Co., Chicago.
Parrott Varnish Remover. Parrott Varnish Co., Bridgeport, Conn.
Parry Besemer Iron. Carbon Furnace Co., Ltd., Mauch Chunk, Pa.
Parry Motor Car Bodies and Trailers. Parry Mfg. Co., Indianapolis.
Parson's Flue Cleaners, Gas Exhausters, Tar Burners. Parsons Mfg. Co., New York.
Parson's Manganese Bronze. Wm. Cramp & Sons Ship & Engine Bldg. Co., Philadelphia.
Parson's Manganese Bronze Castings. Rock Island Metal Foundry, Rock Island, Ill.
Parson's Manganese Bronze Ingots, Alloys, White Brass Rods, Sheets. Wm. Cramp & Sons, Ship and Engine Building Co., Philadelphia.
Parsons Marine Steam Turbines. W. & A. Fletcher Co., Hoboken, N. J.
Parson's Motors. Parsons Electric Co., Quincy, Ill.
Parsons Paper. Parsons Paper Co., Holyoke, Mass.
Parson's Pneumatic Ash Ejectors, Flue Cleaners, Oil, Gas and Tar Burners, Copoer Stoves, Etc. A. Lamy & Son, Elizabeth, N. J.
Parson's Self-Feeders and Band Cutters. Maytag Co., Newton, Ia.
Parson's Sewer and Trench and Excavating Machines. Parsons Co., Newton, Ia.
Parsons Trench Excavators. G. W. Parsons Co., Newton, Iowa.
Partine Parting Compounds. Foundry Specialty Co., Cincinnati, O.
Partridge Farm Tractors. Partridge Tractor Co., Inc., Jacksonville, Fla.
Partridge Tool and Bench Grinders. E. O. Partridge, Chicago.
Partz Circuit Batteries. S. S. White Dental Mfg. Co., Philadelphia.
Paruco Insulating Tapes and Splicing Compound. Passaic Co., The Passaic, N. J.
Paschall Lathe Attachment. Paschall Tool Co., Long Beach, Calif.
Pasco Leather Belting, Pipe, Coverings, Roofing Paints, Etc. Pacific Asbestos & Supply Co., Portland, Ore.
Passaic Auger Bits. C. E. Jennings & Co., New York.
Passaic Shaft Tips. Searls Mfg. Co. Newark, N. J.
Passimeters (Recording Turnstiles). Perey Manufacturing Co., Inc., New York.
Pass-Tex Brick. El Paso Brick Co., El Paso, Tex.
Pastelle Glass Shades. Consolidated Lamp & Glass Co., Coropolis, Pa.
Pastime Clothes Washing Machines. Maytag Co., Newton, Ia.
Pastime Lawn Mowers. Chadborn & Coldwell Mfg. Co., Newburgh, N. Y.
Pastry Flour Sieves. Roseland Can & Specialty Co., Rockford, Ill.
Patapsco Rule Stoves. A. Weiskittel & Son, Baltimore, Md.
Patch Grate Bars. Futrell Coupler Co., Streator, Ill
Patek's Concretcote Paint. Patek Brothers, Milwaukee, Wis.
Patent Gypsey Windlasses. Thos. Laughlin Co., Portland, Me.
Paterson Crayons. New Jersey Crayon Co., Paterson, N. J.
Path Digging Wagon Loader. George Haiss Mfg. Co., Inc., New York.
Pathfinder Acetylene Mine Lamps. Hughes Bros., Scranton, Pa.
Pathfinder Spot Lights. Gilfillan Bros., Inc., Los Angeles, Cal.
Patric Furnaces. Patric Furnace Co., Springfield, O.
Patriot Boilers and Furnaces. Boynton Furnace Co., Chicago.
Patrol Fire Extinguishers. American-La France Fire Engine Co., Elmira, N. Y.; S. F. Hayward & Co., New York.
Patrol Watchman's Portable Clocks. Hardinge Bros., Inc., Chicago.
Pattee Cultivators. Roderick Lean Mfg. Co., Mansfield, O.
Patten Electric Hoists. Patten Mfg. Co., Chattanooga, Tenn.
Patten Fuse Boxes. Lippincott Steam Spec. & Sup. Co., Newark, N. J.
Patterson-Berryman Feed Water Heaters and Purifiers. The Patterson-Kelly Co., New York.
Patterson Blocks. A. J. Hemphill Co., Inc., New York.
Patterson Floor Boxes, Tank Indicators and Battery Sets. Stanley & Patterson, Inc., New York.
Patterson Fluoroscopic Screens. The Patterson Screen Co., Towanda, Pa.
Patterson Grinders, Vises. Patterson Tool & Supply Co., Dayton, O.
Patterson Improved Conveyor Cleats. C. T. Patterson Co., Ltd., New Orleans, La.
Patterson Junction Boxes. Stanley & Patterson, New York.
Patterson-Lenz Automobile Lenses. Warner-Patterson Co., Chicago.
Patterson Lubricating Greases. Patterson Lubricating Co., Boston, Mass.
Patterson Lustre Polish. Patterson Lubrication Co., Boston.
Patterson Rope Cleats. C. T. Patterson Co., New Orleans, La.
Patterson Sliding Motion Sifters. Patterson Foundry & Machine Co., East Liverpool, O.
Patterson Wood and Steel Hand-Made Blocks. W. W. Patterson Co., Pittsburgh.
Patterson's Tackle Blocks. W. W. Patterson Co., Pittsburgh, Pa.
Pattison Oil Burner. Pattison & Calmes, Inc., Washington, D. C.
Patton's Shingle Stains, Paints and Varnish Remover, Iron Fillers. Patton Paint Co., Milwaukee, Wis.
Patton's Sun-Proof Paints. Pittsburgh Plate Glass Co., Pittsburgh, Pa
Paul Air Valves. Monash-Younker Co., Chicago.
Paul Air Valves, Vacuum Heating Valves. Jas. P. Marsh & Co., Chicago, Ill.
Paul Elect. Pumps and Water Supply Systems. Fort Wayne Engineering & Mfg. Co., Fort Wayne, Ind.
Paul Klug Wool Finishing Machines. L. H. A. Schwartz & Co., Boston.
Paul Mine Rescue Apparatus. American Atmos. Corp., New York.
Paul Water Systems. Ft. Wayne Engineering & Mfg. Co., Ft Wayne, Ind.
Paul Wood Split Pulley. Detroit Pulley Co., Detroit, Mich.
Paull Kerosene Lamp Burners. Wheeling Stamping Co., Wheeling, W. Va.
Paull's Leader Tubular Lanterns. Wheeling Stamping Co., Wheeling, W. Va.
Paulus Hyduty Track Drills. Buda Company, Harvey, Ill.
Paulus Self Feeding Drills. Handian-Buck Mfg. Co., St. Louis, Mo.
Paulus Track Drills. Richardson & Tallman, Shelbyville, Ill.
Pauly Cement Sewer Pipe Machinery. Concrete Stone & Sand Co., Youngstown, O.
Pawnee Belting. Cincinnati Rubber Mfg. Co., Cincinnati, O.
Pawnee Indian Tanned Lace-Leather. Kayser Tanning Co., St. Louis, Mo.
Pawnee Paint. Tropical Paint & Oil Co., Cleveland, O.
Paxco Molders' Clamps. J. W. Paxson Co., Dept H, Philadelphia.
Paxson-Collian Cupola. J. W. Paxson Co., Philadelphia.
Paxson Magnetic Separators. J. W. Paxson Co,, Philadelphia.
Paxson Switch Brooms. J. W. Paxson Co., Philadelphia, Pa.
Paxson-Warren Sand Blast Machinery. J. W. Paxson Co., Phila., Pa.
Paxtite Leather Packings. Watson-Stillman Co., New York.
Paxtite Sheet Packing. Pacific Coast Rubber Co., San Francisco.
Paxton-Mitchell Packing. Paxton-Mitchell Company, Omaha, Neb.
Paxton Pig Iron. Central Iron & Steel Co., Harrisburg, Pa.
Pay Car Work Clothes. Nimrod B. Tichenor, New York.
Payne's Cleanout Tongs. Pittsburgh Brass Mfg. Co., Pittsburgh, Pa.
Payne's Patent Tapping Machines. Hays Mfg. Co., Erie, Pa.
Payson Furniture Casters. Payson Mfg. Co., Chicago.
Payson's Indelible Inks. Payson's Indelible Ink Co., Northampton, Mass.
Payzant Show Card Lettering Pens. Keuffel & Esser Co., Hoboken, N. J.
Peabody Windlasses. Thos. Laughlin Co., Portland, Me.
Peacemaker Clothes Washing Machines. H. F. Brammer Mfg. Co., Davenport, Ia.
Peach Base Balls, Base Ball Bats, Base Ball Masks. J. A. Peach, Gloversville, N. Y.
Peach Bottom Roofing Slate. Auld & Conger Co., Cleveland, O.
Peacock Car Brakes. National Brake Co., Inc., Buffalo, N. Y.
Peacock Quality Petroleum Products. Angeles Snowolene Refining Co., Los Angeles, Cal.
Peacock Silk Typewriter Ribbons and Carbon Papers. Ink Ribbon Mfg. Co., San Francisco.
Peak of Perfection Gasoline. The Paragon Refining Co., Toledo, O.
Pear Leather Cords. David Carmichael, Sacramento, Cal.
"Pearce" Journal Truing Machine. W. C. Dunn Co., Cincinnati, O.
Pearce Rules. Chapin- Stephens Co., Pine Meadow, Conn.
Pearl Glass Lamp Chimneys and Globes. Macbeth-Evans Glass Co., Pittsburgh, Pa.
Pearl Heating Stoves. B. C. Bibb Stove Co., Baltimore, Md.
Pearl Hydraulic Packing. Hewitt Rubber Co., Buffalo, N. Y.
Pearl Lemon Squeezers. A. C. Williams Co., Ravenna, O.
Pearl Lubricators. American Lubricator Co., Detroit, Mich.
Pearl Printing Presses, Golding Mfg. Co., Franklin, Mass.
Pearl White Condenser. Williams, Brown & Earle, Inc., Philadelphia, Pa.
Pearl White Felt Buffing and Polishing Wheels. Eastern Felt Co., Winchester, Mass.
Pearl Wire Cloth. Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Pearlite Foundry Fluxes. Basic Mineral Co., Pittsburgh.
Pearson Cement Coated Nails. American Steel & Wire Co., Chicago.
Pearson Cyclone Spike Pullers. The Chas. Morrill, Inc., New York.
Pearson Jacks and Clamps. Pearson Jack Co., Boston, Mass.
Pearson Nailing Tools. E. Martin Pearson, Robbinsdale, Minn.
Pearson's Automatic Nailer. Pearson Mfg. Co., Robbinsdale, Minn.
Pease Apple Slicing Machinery. Boutell Mfg. Co., Rochester, N. Y.
Pease Belt Dressing, Oil Cups. W. D. Allen Mfg. Co., Chicago.
Pease Economy Steam Heaters. International Heater Co., Utica, N. Y.
Pease Tobacco Cutting Machines. Buckeye Iron & Brass Works, Dayton, O.
Pease Venetian Blinds. Chicago Millwork & Supply Co., Chicago.
Pease Vertical Blue Printing Machines. The C. F. Pease Co. Chicago.
Pease-Well Ink-well and Pen Filler. The C. F. Pease Co., Chicago.
Peavey Axes, Canthooks, Cant-Dogs. Peavey Mfg. Co., Bangor, Me.
Pebco Steam Heaters. Pierce, Butler & Pierce Mfg. Corp., New York.
Pebeco Tooth Paste. Lehn & Fink, New York.
Peck Blast Gates, Drop Hammers and Presses. Miner & Peck Mfg. Co., Derby, Conn.
Peck Carriers, Coal and Ashes Handling Conveyors. Link-Belt Co., Chicago, Indianapolis, Philadelphia; H. W. Caldwell & Son, Chgo.
Peck-Hammond Hot Air Furnaces. Williamson Heater Co., Cincinnati.
Peck's Auger Handles. Peck, Stow & Wilcox Co., Southington, Conn.
Peck's Drop Lifters. Miner & Peck Mfg. Co., Derby, Conn.
Peck's Wire Rod Threaders. Goodell-Pratt Co., Greenfield, Mass.
Peco Pumps. Pacific Engineering Co., Oakland, Cal.
Peco Tools, Gauges and Special Machinery. Precision Engineering Co., Jamestown, N. Y.
Pecora Paints. Pecora Paint Co., Philadelphia, Pa.
Pecorp Drilling Machines. Providence Engineering Corp., Providence, R. I.
Pecorp Sensitive Drills. Providence Engineering Corp., Providence, R. I.
Pedal Hydraulic Packings. Strong Machinery & Supply Co., New York.
Pedestal Pile. MacArthur Concrete Pile & Found. Co., New York.
Pedigreed Tanks. Baltimore Cooperage Co., Baltimore, Md.
Pedlar's Culverts. Pedlar People, Oshawa, Ont., Can.
Pedrara Onyx. Southwest Onyx and Marble Co., San Diego, Cal.
Pedrick Horizontal Boring Machines. Pedrick Tool & Machine Co., Philadelphia, Pa.
Pedrick True Fit Piston Rings. Wilkening Mfg. Co., Philadelphia.
Pedro Rubber Hose. Republic Rubber Co., Youngstown, O.
Pedro Toilet Paper. Northern Paper Mills, Green Bay, Wis.
Pe-La Polish. Pe-La Chemical Co., Memphis, Tenn.
Pee Gee Millite Mill Paint. Peaslee-Gaulbert Co., Louisville, Ky.
Peeco Steam Specialties. Plant Engineering & Equipment Co., Inc., Brooklyn, N. Y.
Peekay Metal Polish. Pride of the Kitchen Co., Brooklyn, N. Y.
Peel Brick Ovens. American Oven & Machine Co., Chicago.
Peelle Elevator Gates, Folding Doors. Peele Co., New York.
Peercano Fire Extinguishers (5 Gallons). Miller-Peerless Mfg. Co.,
Peerless Acetylene Generators. Superior Oxy-Acetylene Machine Co., Hamilton, O.
Peerless Adjustable Wrench. J. H. Williams & Co., Buffalo, N. Y.
Peerless Air Compressors. Slaysman & Co., Baltimore, Md.
Peerless Air Washers. New York Blower Co., Chicago.
Peerless Aqua Ammonia. National Ammonia Co., St. Louis, Mo.
Peerless Armature Winding Stands. United Engine & Mfg. Co., Hanover, Pa.
Peerless Armature Winding Tools. Peerless Equipment Co., Hanover, Pa.
Peerless Ash & Garbage Cans. Geo. W. Diener Mfg. Co., Chicago.
Peerless Atomizers. Hospital Rubber Co., Attleboro, Mass.
Peerless Automobile Visor and Glare Shield. California Auto Supply Co., Los Angeles, Cal.
Peerless Axes. American Axe and Tool Co., Glassport, Pa.; Dunn Edge Tool Co., Oakland, Me.
Peerless Barn Door Hangers. Lawrence Bros., Sterling, Ill.
Peerless Base Oil. J. L. Fannon Co., Inc., Philadelphia, Pa.
Peerless Battery Clips. Chas. F. Hartung Co., Los Angeles, Cal.
Peerless Beef Hoists. W. C. Treece & Co., Findlay, O.
Peerless Bell Bottom Jacks. New London Vise Works, New London, Conn.
Peerless Belt Dressing, Boiler Compounds. O. F. Zurn Co., Philadel.
Peerless Belt Lacing. California Tanning Co., St. Louis, Mo.
Peerless Belt Lacer. Peerless Belt Lacing Machine Co., Phila., Pa.
Peerless Blue Printing Machines, Washing and Drying Machines. C. F. Pease Co., Chicago.
Peerless Boat Cushions. Pneumatic Mfg. Co., Brooklyn, N. Y.
Peerless Boiler Compound. O. F. Zurn Co., Philadelphia, Pa.
Peerless Book Binders' Machinery. A. G. Burton Son, Chicago.
Peerless Box Strapping. The Independent Metal Strap Co., Inc.,
Peerless-Brilliant Incandescent and Mazda Lamps. Peerless-Brilliant Lamp Division of G. E. Co., Warren, Ohio.
Peerless Buckskin Lace Leather. California Tanning Co., St. Louis.
Peerless Can Openers. Bradley & Farnham, Middlefield, Conn.; John H. Graham & Co., New York.

Peerless Canvas Cots, Covers and Chairs, Mop Sticks and Cotton Mops, Folding Chairs. Tucker Duck & Rubber Co., Ft. Smith, Ark.
Peerless Carbon Blacks. Binney & Smith Co., New York.
Peerless Carbon Paper. E. A. Brecher & Co., New York.
Peerless Carpet Nails. American Steel & Wire Co., Chicago.
Peerless Carpet Sweepers. National Sweeper Co., Torrington, Conn.
Peerless Carving Lathes. Valley City Machine Works, Grand Rapids, Mich.
Peerless Cast Steel Truck Bolster. U. S. Metal & Mfg. Co., New York.
Peerless Caster Cups. Ralph S. Fetter (Casters), Buffalo, N. Y.
Peerless Cement. Peerless Portland Cement Co., Union City, Mich.
Peerless Cement Brick Machines. Peerless Brick Machine Co., Minneapolis, Minn.
Peerless Cement Brick Machine. The Miles Mfg. Co., Jackson, Mich.
Peerless Chain Hoists. Edwin Harrington, Son & Co., Philadelphia.
Peerless Check Writing Machines. Todd Protectograph Co., Rochester, N. Y.
Peerless Children's Vehicles. South Bend Toy Mfg. Co., South Bend, Ind.
Peerless Clamps, Strap Wrenches and Turnbuckles. George H. Wilkins Co., Chicago.
Peerless Clothes Washing Machines. Michigan Washing Machine Co., Muskegon, Mich.
Peerless Cocks and Bibbs. Milwaukee Brass Mfg. Co., Milwaukee, Wis.
Peerless Coffee Roasters. M. Lally & Co., Cincinnati, O.
Peerless Coffee and Spice Mills. Wrightsville Hdw. Co., Wrightsville, Pa.
Peerless Commutator Slotting Machines. Electric Service Supplies Co., Philadelphia.
Peerless. Corn Husking Machines. Peerless Husker Co., Buffalo, N. Y.
Peerless Counting Machines. J. E. Sheppard Co., Worcester, Mass.
Peerless Crayons. Stanley Doggett, New York.
Peerless Cultivators. Greenville Implement Co., Greenville, Mich.
Peerless Cultivators, Feed Cutters. Thornburg Mfg. Co., Bowling Green, Ohio.
Peerless Curb Service Boxes. Modern Iron Works, Quincy, Ill.
Peerless Curtain Fasteners. F. A. Neider Co., Augusta, Ky.
Peerless Cutting and Drilling Compounds. Racine Tool & Machine Co., Racine, Wis.
Peerless Daily Leaf Calendars; Scratch Pads. Clark Printing & Mfg. Co., Lock Haven, Pa.
Peerless Door Mats. D. A. Hinman & Co., Sandwich, Ill.
Peerless Dough Mixing and Kneading Machines. J. Baker's Sons & Perkins Co., Inc., White Plains, N. Y.
Peerless Dynamos and Motors, Electric Portable Fans. Peerless Electric Co., Warren, Ohio.
Peerless Electrical Testing Instruments, Photometers, Pyrometers, Tachometers, Thermometers. Thompson-Levering Co., Phila.
Peerless Enamels. Akron, Varnish Co., Akron, Ohio.
Peerless Fanning Mills. Johnson & Field Mfg. Co., Racine, Wis.
Peerless Faucets. John Sommer Faucet Co., Newark, N. J.
Peerless Fire Hose. Eureka Fire Hose Mfg. Co., New York.
Peerless Fire Hydrants. Macungie Brass & Mfg. Co., Macungie, Pa.
Peerless Fireplace Dampers. Peerless Mfg. Co., Louisville, Ky.
Peerless Fly Traps. Wickwire Spencer Steel Corp., New York.
Peerless Folding Seats. Metal Stamping Co., Long Island City, N. Y.
Peerless Folding Tables. The Carrom Company, Ludington, Mich.
Peerless Foundry Chaplets. Hill & Griffith Co., Cincinnati, Ohio.
Peerless Friction Clutches. Essmueller Mill Furnishing Co., St. Louis, Mo.
Peerless Fruit Pickers. Woods-Sherwood Co., Worcester, Mass.
Peerless Furnace Pipe Fittings and Hot Air Furnace Tops. Wilbur S. Steele Co., Hartford, Conn.
Peerless Furnaces. B. C. Bibb Stove Co., Baltimore, Md.
Peerless Galvanometers and Bridges. Thompson-Levering Co., Philadelphia, Pa.
Peerless Garage Floor Drains. Compound Injector & Specialty Co., Chicago.
Peerless Garbage Cans. Metal Products Corp., Weehawken, N. J.
Peerless Garment Hangers. Hincher Mfg. Co., Washington, Ind.
Peerless Gas Burners. Boston Electric Co., Boston, Mass.
Peerless Gas Lamps and Mantles. Peerless Light Co., Chicago.
Peerless Gas Stoves. Peerless Stove & Mfg. Co., Columbus, Ohio.
Peerless Gasoline Sad Irons. Tures Mfg. Co., Milwaukee, Wis.
Peerless Gem Paper Cutters. Peerless Print. Press Co., Palmyra, N. Y.
Peerless Glazier's Points. Austin & Eddy, Boston.
Peerless Glaziers' Putty. John Briggs & Co., Boston.
Peerless Glue. Magnet Cement & Dressing Co., Primos, Pa.
Peerless Grease Cup. W. D. Allen Mfg. Co., Chicago.
Peerless Grease Extractors, Steam Separators, Steam Traps. Hussey, McCann & Co., New York.
Peerless Handcuffs. Peerless Handcuff Co., Springfield, Mass
Peerless Hand Screws. Adjustable Clamp Co., Chicago.
Peerless Hardwood Floorings. Northwestern Cooperage & Lumber Co., Gladstone, Mich.
Peerless Harrow Carts. Peoria Drill & Seeder Co., Peoria, Ill.
Peerless Hay Carriers. Hunt, Helm, Ferris & Co., Harvard, Ill.
Peerless Hay Fork Pulleys, Hay Carriers. Hunt, Helm Ferris & Co., Harvard, Ill.
Peerless Heaters. Peerless Heater Co., Pittsburgh.
Peerless High Speed Hack-Saws; Universal Shaping Saws; High Speed Rubber Cutter; Sample Section Tire Cutter; U. S. A. Power Hack-Saw Blades; Duplex Hand Hack-Saw Blades. Peerless Machine Co., Racine, Wis.
Peerless High Speed Reamers. Cleveland Twist Drill Co., Cleveland, O.
Peerless High Speed Steel. Heller Bros. Co., Newark, N. J.
Peerless Hoists. The Harrington Company, Philadelphia, Pa.
Peerless Hose and Packing. Peerless Rubber Mfg. Co., New York.
Peerless Hose Racks. H. J. Howard Mfg. Co., Washington, D. C.
Peerless Hydrants, Valves. Macungie Brass & Mfg. Co., Macungie, Pa.
Peerless Ice Cream Freezer. Peerless Freezer Co., Winchester, Mass.
Peerless Improved Furnaces. B. C. Bibb Stove Co., Baltimore, Md.
Peerless Improved Hydrants. Thos. Savill's Sons, Philadelphia, Pa.
Peerless Improved Sanitary Hot Air Furnaces. B. C. Bibb Stove Co., Baltimore, Md.
Peerless Incubators and Brooders. H. M. Sheer Co., Quincy, Ill.
Peerless Indestructo Incandescent Gas Mantles. Peerless Light Co., Chicago.
Peerless Injectors. Schaeffer & Budenberg Mfg. Co., Brooklyn, N. Y
Peerless Insulating Paper. Diem & Wing Paper Co., Cincinnati. O
Peerless Insulation. National Vulcanized Fibre Co., Wilmington, Del.
Peerless Iron Enamel. Nickel Plate Stove Polish Co., Chicago.
Peerless Ironing Boards, Folding Tables and Built-In Fixtures. Built-In Fixtures Co., Berkeley, Cal.
Peerless Jacks. Oliver-Barth Jack Co., Milwaukee, Wis.
Peerless Keystone Hair Insulator. Johns-Manville, Incorporated, New York.
Peerless Kitchen Boilers. Peerless Range Boiler Corp., Chicago.
Peerless Lamp Guards. F. W. Morse, Boston, Mass.; Hamblin & Russell Mfg. Co., Worcester, Mass.
Peerless Lamps. Warren Electric & Specialty Co., Warren, O.
Peerless Lawn Mower Grinders. The Fate-Root-Heath Company, Plymouth, O.
Peerless Lawn Mower Sharpeners. Fate-Root-Heath Co., Plymouth, O.
Peerless Lawn Swings. Challenge Co., Batavia, Ill.
Peerless Leather Belting. Akron Belting Co., Akron, O.; Rahmann & Co., Geo., New York; New York Leather Belting Co., New York.
Peerless Linemen's Test Sets, Thermometers, Scientific Instruments, Track Testing Machines, Ammeters and Voltmeters. Thompson-Levering Co., Philadelphia, Pa.
Peerless Lubricators. G. B. Essex Brass Co., Detroit, Mich. Geo. P. Jones & Co., St. Louis, Mo.
Peerless Lubricating Oils and Greases. Geo. A. Haws, New York.
Peerless Metal Polish. Colgan Mfg. & Supply Co., New York.
Peerless Metal Washboards. National Washboard Co., Chicago.
Peerless Mica Surfaced Roofing. Standard Railway Equip. Co., Chicago.
Peerless Mixed Paint. C. A. Woolsey Paint & Color Co., Jersey City.
Peerless Motor Cars. The Peerless Motor Car Co., Cleveland, O.
Peerless Music Wire. Waterbury Co., New York.
Peerless Nickel Chromium Wire. Alloy Metal Wire Co., New York.
Peerless Oil and Grease Cup Lubricators. Allen Mfg. Co., Chicago.
Peerless Oils and Greases. Star Engineering and Lubricating Co., New York. W. J. Donohue & Co., Philadelphia, Pa.
Peerless P. D. Q. C. Machines. Bignall & Keeler Machine Works, Edwardsville, Ill.
Peerless Paint Cans. Manufacturers' Can Co., Harrison, N. J.
Peerless Paint and Varnish Remover. Brooklyn Varnish Mfg. Co., Brooklyn, N. Y.
Peerless Paper Doilies. Milwaukee Lace Paper Co., Milwaukee, Wis.
Peerless Passenger Car Ventilators. Mudge & Co., Chicago.
Peerless Perfect Protection Weather Proof and Insulated Wire. Peerless Insulated Wire & Cable Co., New York.
Peerless Pipe Cutting and Threading Machinery. Bignall & Keeler Mfg. Wks., of the N. O. Nelson Mfg. Co., Edwardsville, Ill.
Peerless Pipe Grips. Prentiss Vise Co., New York.
Peerless Pipe Joint Cements. Cook & Cokefair, New York.
Peerless Pipeless Furnace. Peerless Foundry Co., Indianapolis, Ind.
Peerless Prism Window Ventilators. Kunkel Mfg. Co., Los Angeles.
Peerless Potato Planters. Potato Implement Co., Traverse City, Mich.
Peerless Printing Presses. Peerless Printing Press Co., Palmyra, N. Y.
Peerless Products for the Shipping Room. Twisted Wire & Steel Co., New York.
Peerless Pump Valves, Packings. Peerless Rubber Mfg. Co., New York.
Peerless Pumps. Deming Co., Salem, O. Peerless Pump Co., Los Angeles, Calif.
Peerless Putty. Briggs, Maroney Co., Inc., Everett, Mass.
Peerless Pyrometers. Thompson-Levering Co., Philadelphia, Pa.
Peerless Radiators. American Radiator Co., Chicago.
Peerless Ready Roofing. American Roofing Co., Kansas City, Mo.
Peerless Recording Pressure Gauges. Jones Gauge Co., Boston.
Peerless Refrigerating Machine. Peerless Ice Machine Co., Chicago.
Peerless Rubber Covered Wire. Indiana Rubber & Insulated Wire Co., Jonesboro, Ind.
Peerless Rubber Type. J. F. W. Dorman Co., Baltimore, Md.
Peerless Rubber Vulcanizers. J. F. W. Dorman Co., Baltimore, Md.
Peerless Safety Non-Explosive Cans. Miller-Peerless Mfg. Co., Chgo.
Peerless Sash Hangers and Fasteners. Stanley Works, New Britain, Conn.
Peerless Sash Operating Device. Payson Mfg. Co., Chicago.
Peerless Saws. Peerless Machine Co., Racine, Wis.
Peerless Seed Corn Dryers. Bain Bros. Mfg. Co., Cedar Rapids, Ia.
Peerless Shoe Blacking and Polishes. Frank Miller Co., New York.
Peerless Skylight and Ventilating Ridge. Howie Co., Inc., Detroit, Mich.
Peerless Smoked Beef Slicing Machines. Wolf, Sayer & Heller, Chgo.
Peerless Soldering Paste. Solderall Co., Newark, N. J.
Peerless Soot Scrapers. The Wm. B. Pierce Co., Buffalo, N. Y.
Peerless Spray Pumps. Hudson Mfg. Co., Minneapolis, Minn.; The F. E. Myers & Bro., Ashland, O.
Peerless Steam Traps, Steam and Oil Separators, Oil and Grease Extractors and Separators. Hussey, McCann & Co., New York.
Peerless Steel Doors. Acme Supply Co., Chicago.
Peerless Stove Pipe and Elbows. Hemp & Co., St. Louis.
Peerless Strap Stretchers and Strap Seals. The Independent Metal Strap Co., Inc., New York.
Peerless Strap Wrenches. Geo. H. Wilkins Co., Chicago.
Peerless Swinging Hose. H. J. M. Howard Mfg. Co., Washington, D. C.
Peerless Table Mats. Chicago Asbestos Table Mat Co., Chicago.
Peerless Tallow. Consolidated Rendering Co., Boston.
Peerless Tank Pumps. Barnes Mfg. Co., Mansfield, O.
Peerless Threshers. Emerson Brantingham Implement Co., Rockford, Ill.
Peerless Tin Key Faucets. John Somer Faucet Co., Newark, N. J.
Peerless Tire Benders. Champion Blower & Forge Co., Lancaster, Pa.
Peerless Transformers. Enterprise Electric Co., Warren, O.
Peerless Univent Ventilating Systems. Peerless Unit Ventilating Co., New York.
Peerless Valves. Haydenville Co., Haydenville, Mass.
Peerless Varnish Remover. .Brooklyn Varnish Mfg. Co., Brooklyn, N. Y.
Peerless Ventilators. Auto Utilities Mfg. Co., Chicago; New York Blower Co., Chicago.
Peerless Vises. Fulton Mach. & Vise Co., Lowville, N. Y.
Peerless Wall Plasters and Plaster Board. M. A. Reeb Corp., Buffalo, N. Y.
Peerless Water Power Washing Machine. Horton Mfg. Co., Ft. Wayne, Ind.
Peerless Waterproof Plant Tubes. International Mailing Tube & Wrapper Co., Brooklyn, N. Y.
Peerless Well Pump. Deming Co., Salem, Ohio.
Peerless White Granite. Woodbury Granite Co., Hardwick, Vt.
Peerless Window Cleaners. Standard Cleaner Co., Chicago.
Peerless Window Cleaners' Safety Devices. Wm. A. Cherry, San Francisco.
Peerless Window Fixtures. Stanley Works, New Britain, Conn.
Peerless Wire Brushes. Peerless Mfg. Co., New Durham, N. H.
Peerless Wire Tacks. American Steel & Wire Co., Chicago.
Peerless Wood Fibre Plaster. American Cement Plaster Co., Buffalo, N. Y.
Peerless Wood Stains. Felton, Sibley & Co., Philadelphia, Pa.
Peerless Wooden Barrows. Frank R. Prescott, Meredith, N. H.
Peerless Woven Wire Fences. Peerless Wire Fence Co., Adrian, Mich.
Peerlite Electric Light Fixtures. Peerless Light Co., Chicago.
Peer-O-Day Incubators and Brooders. Ernest F. Hodgson Co., Boston.
Peertex Fabrics. Pierce Textile Corp., New York.

Peirce Brick and Stone Drills for Expansion Bolts. Hubbard & Co., Pittsburgh.
Peirce Clamp Pins, Electric House Brackets. Hubbard & Co., Pittsburgh.
Peirce Distribution and Transmission Line Specialties; Hammer Drills. Hubbard & Co., Pittsburgh, Pa.
Pekin Wagons. Pekin Wagon Co., Pekin, Ill.
Pekor's Quick Opening Throttle Valve. Pekor Iron Works, Columbus, Ga.
Pelican Nail Pullers. Millers Falls Co., New York.
Pelican (Texaco) Lubricating Oil. The Texas Company, New York.
Pelican Varnish. Floor-Shine Mfg. Co., St. Louis, Mo.
Pelican White Pine Lumber. Pelican Bay Lumber Co., Klamath Falls, Ore.
Pella Hay Stackers. Garden City Feeder Co., Pella, Ia.
Pelouze Electric Sad Irons and Scales. Pelouze Mfg. Co., Chicago.
Pels Punches and Shears. Henry Pels & Co., New York.
Pelton Francis Turbines. Pelton Water Wheel Co., San Francisco, Cal.
Pelton Water Wheels, Hydraulic Turbines. Pelton Water Wheel Co., San Francisco, Cal.
Pemco Arc Lamps, Arc Lamp Brackets, Commutator Bars, Electric Lamp Hoods, Fuse Boxes, Lock-Nuts, Washers, Trolley Wire Hangers, Street Fixtures and Strain Insulators. Philadelphia Electrical & Mfg. Co., Philadelphia.
Pemco Lighting Fixtures. Philadelphia Elec. & Mfg. Co., Phila., Pa.
Pemco Porcelain Enameled Table Tops. Porcelain Enamel & Mfg. Co., Baltimore, Md.
Penberthy Automatic Injectors, Gas Engine Lubricators, Gauge Cocks, Locomotive Injectors, Oil and Grease Cup Lubricators, Oil Pumps Lubricators. Penberthy Injector Co., Detroit, Mich.
Pence Automobile Wind Shields. Pence Automobile Co., Minneapolis.
Penco Hollow Tile. Penna. Fireproofing Co., Erie, Pa.
Penco Journal Box Packing. Pittsburgh Waste Co., Swissvale, Pa.
Penco Metal Lath. Penn Metal Co., Boston.
Penco Sheet Metal Building Material. Penn Metal Co., Boston, Mass.
Pendergast Track Brooms. Mass Commission for the Blind, Cambridge, Mass.
Pendry Throttle Valves. Detroit Lubricator Co., Detroit, Mich.
Pendulum Hand Washing Machines. Voss Bros. Mfg. Co., Davenport.
Penehook Postage Saving Envelopes. New York Envelope Co., New York.
Penetrol Preservative. Kettle River Co., Minneapolis, Minn.
Penflex Metal Hose. Pennsylvania Flexible Metallic Tubing Co., Philadelphia, Pa.
Penguin Oil Cups. Wm. Powell Co., Cincinnati, Ohio.
Peninsular Cement. Peninsular Portland Cement Co., Cement City, Mich.
Peninsular Paints, Enamels, Stains and Varnishes. Peninsular Paint & Varnish Co., Ltd., Detroit, Mich.
Penland Folding Camp Tables. Dexter Ironing Board Co., Oakland, Cal.
Peninsular Button Fasteners. Heaton Peninsular Button Fastener Co., Boston.
Peninsular Rubber Hose. Empire Tire & Rubber Corp., Trenton, N. J.
Penmaid Automobile Parts and Fittings. Pennsylvania Gear & Machine Co., Philadelphia.
Penn-Allen Portland Cement. Penn-Allen Cement Co., Allentown, Pa.
Penn Automatic Air Valves. The Penn Eng., Co., Philadelphia, Pa.
Penn Belt Dressing. Penna. Lubricating Co., Pittsburgh.
Penn-C Receivers and Amplifiers. Penn Wireless Mfg. Co., New Castle, Pa.
Penn Concrete Bldg. Blocks. Penn. Bldg. Block Co., Inc., Phila.
Penn Cutting Oils. Penn Oil & Supply Co., Ltd., Oil City, Pa.
Penn Engine and Machine Oilers. Penn Oiler Co., New York.
Penn Freight Car Couplers. McConway & Torley Co., Pittsburgh, Pa.
Penn Gas Burners. Odin Stove Mfg. Co., Erie, Pa.
Penn Gas Stoves. Penna Furnace & Stove Co., Warren, Pa.
Penn Jr. Automatic Air Valves. The Penn Engineering Co., Philadelphia, Pa.
Penn Keller Canvas, Cotton Flannel and Jersey Gloves. Keller Glove Mfg. Co., Inc., Plumsteadville, Pa.
Penn Malleable Iron Unions. Kelly & Jones Co., The, Greensburg, Pa.
Penn Metal Lath. Penn Metal Co., Boston.
Penn-Perfect Apple Parers. Penn Hardware Co., Reading, Pa.
Penn Pressed Steel Truck Bolster. U. S. Metal & Mfg. Co., New York.
Penn Saws. E. T. Lippert Saw Co., (Millvale), Pittsburgh, Pa.
Penn Spring Bottom Oilers. Williams & Wells Co., New York.
Penn Switchboards, Safety Panels and Cabinets. Penn Electrical & Mfg. Co., Irwin, Pa.
Penn Transom Lifts. Penn Hardware Co., Reading, Pa.
Penn Trolley Track Door Hangers. Sharon Hardware Mfg. Co., Sharon, Pa.
Penn Unions. Kelly & Jones Co., Pittsburgh.
Penn Unions, Union Elbows and Tees. The Kelly & Jones Co., Greensburg, Pa.
Penn-Spartan Sash Pulleys. Penn Hardware Co., Reading, Pa.
Penn-Vulcan Sash Pulleys. Penn Hardware Co., Reading, Pa.
Penna Black Slate Blackboard, Structural Slate. Superior Slate Co., Allentown, Pa.
Penna Comealongs. B.-R. Electric & Tel. Mfg. Co., Kansas City, Mo.
Penna Hot Air Furnaces, Gas Soldering Furnaces. Penna. Furnace Stove Co., Warren, Pa.
Pennaflin Motor Oils. Jameson Oil Co., Los Angeles, Cal.
Pennant Cotton Hose. Voorhees Rubber Mfg. Co., Jersey City, N. J.
Pennant Oil Pumps. Wm. Powell Co., Cincinnati, O.
Pennant Oils. Pennant Oil & Grease Co., Los Angeles, Cal.
Pennie Valves. Kennedy Valve Mfg. Co., Elmira, N. Y.
Pennies Valves. John Robertson & Co., Brooklyn, N. Y.
Pennington Harrows and Pulverizers. Towers & Sullivan Mfg. Co., Rome, Ga.
Pennock Angle Benders. American Road Machinery Co., Kennett Square, Pa.
Pennsylvania Air Compressors and Centrifugal Pumps. Penn Pump & Compressor Co., Easton, Pa.
Pennsylvania Boilers. Pennsylvania Boiler Works, New York.
Pennsylvania Cement. Pennsylvania Cement Co., New York.
Pennsylvania Coal Crushers and Cleaners. Pennsylvania Crusher Co., Philadelphia, Pa.
Pennsylvania Coal, Limestone, Cement Rock and Gypsum Crushers and Pulverizers. Pennsylvania Crusher Co., Philadelphia.
Pennsylvania Crushing Machinery. Pennsylvania Crusher Co., Philadelphia, Pa.
Pennsylvania Cutters, Fanning Mills, Markers, Powers, Rollers, Sawing Machines, Separators, Shellers and Sprayers. A. Buch's Sons, Elizabethtown, Pa.
Pennsylvania Fanning Mills, Feed Cutters, Root Cutters. A. Buch's Sons Co., Elizabethtown, Pa.
Pennsylvania Fire Retardant Glass. Pennsylvania Wire Glass Co., Philadelphia, Pa.
Pennsylvania Fruit Pickers; Leaf Racks; Riddles and Sieves; Rubbish Burners; Wire Cloth. Edward J. Darby & Sons Co., Philadelphia, Pa.
Pennsylvania Gasoline Pumps and Storage Outfits. The National Store Specialty Co., Bareville, Pa.
Pennsylvania Golf Lawn Mower. Penna. Lawn Mower Wks., Phila.
Pennsylvania Grand Horse Lawn Mowers. Penna. Lawn Mower Wks., Philadelphia.
Pennsylvania Hose. Pennsylvania Rubber Co., Jeannette, Pa.
Pennsylvania Junior Lawn Mowers. Penna. Lawn Mower Wks., Phil.
Pennsylvania Lawn Mowers. A. F. Brombacher & Co., New York; Supplee-Biddle Hardware Co., Philadelphia. Pennsylvania Lawn Mower Works, Philadelphia.
Pennsylvania Metal Hose. Pennsylvania Flexible Metallic Tubing Co., Philadelphia, Pa.
Pennsylvania Mouse and Rat Traps. Animal Trap Co. of America, Lititz, Pa.
Pennsylvania Oils. Waverly Oil Works, Pittsburgh, Pa.
Pennsylvania Pony Horse Lawn Mowers. Penna. Lawn Mower Wks., Philadelphia.
Pennsylvania Portland Cement. Pennsylvania Cement Co., New York.
Pennsylvania Putting Greens Lawn Mower. Penna. Lawn Mower Works, Philadelphia.
Pennsylvania Standard Horse Lawn Mowers. Penna. Lawn Mower Works, Philadelphia.
Pennsylvania Tank Cars. Pennsylvania Tank Car Co., Sharon, Pa.
Pennsylvania Threshers and Peanut Pickers. Heebner & Sons, Lansdale, Pa.
Pennsylvania Trio Horse Lawn Mowers. Penna. Lawn Mower Wks., Philadelphia.
Pennsylvania Wire Cloth, Sieves and Riddles, Fruit Pickers and Rubbish Burners. Edw. J. Darby & Son, Philadelphia.
Penn-Titian Sash Pulleys. Penn. Hardware Co., Reading, Pa.
Penzoil Lubricating Oils and Greases. Pennzoil Co., Los Angeles.
Penobscot Gas Heaters. Taylor Burner & Electroplating Co., Pittsburgh, Pa.
Pentane Photometer Lamps. American Meter Co., Philadelphia.
Pentex Fireproof Hollow Tile. Penna. Fireproofing Co., Erie, Pa.
Pentex Hollow Tile. Pennsylvania Fireproofing Co., Erie, Pa.
Penticor Wire Glass. Miss. Wire Glass Co., New York.
Penticost Steam Heaters. Allen Fire Dept. Supply Co., Providence, R. I.
Penyhook Envelopes. The Chicago Neostyle Envelope Co., Chicago.
Peoria Eaves-Trough Hangers. Clark-Smith Hardware Co., Peoria, Ill.
Peoria Gas Heaters. Culter & Proctor Stove Co., Peoria, Ill.
Peoria Grain Weighers and Loaders. Hart Grain Weigher Co., Peoria, Ill.
Peoria Harrow Attachments, End Gate Seeders, Portable Grain Elevators. Peoria Drill & Seeder Co., Peoria, Ill.
Peoria Traction Engines. Peoria Tractor Co., Peoria, Ill.
Pep Abrasive and Valve Grinding Compounds. Pep Mfg. Co., New York.
Pep Fertilizer. Marine Products Co., Tacoma, Wash.
Pep Tool Grinders. B. L. Fry Mfg. Co., St. Louis, Mo.
Pe-pa-co Paints, Colors, Varnishes and Oils. Debevoise Co., New York.
Pepco Piston Rings. Pennsylvania Piston Ring Co., Cleveland, O.
Peperoid Catalog Envelopes. Alvah Bushnell Co., Philadelphia.
Pep-Step Rubber Heels. Atlantic Mfg. Co., Wilmington, Del.
Peppercorn Butchers' and Shoe Knives and Steels. Boker Cutlery & Hardware Co., New York.
Pepper Pod Lubricators. Michigan Lubricator Co., Detroit, Mich.
Pequest Pig Iron. Pequest Company, Buttzville, N. J.
Pequot Belting and Lace Leather. Holyoke Belting Co., Holyoke, Mass.
Pequot Bilge Pumps. Wilcox, Crittenden & Co., Inc., Middletown, Conn.
Pequot Padlocks. Sargent & Co., New London, Conn.
Pequot Rubber Hose. National India Rubber Co., Bristol, R. I.
Pequot Steam and Hot Water Heaters. Hopson & Chapin Mfg. Co., New London, Conn.
Per Bona Insulating Paper. The Lehon Co., Chicago.
Perco Crucible Steel and Welding Wire. Perkins Steel Co., Inc., New York.
Percolo Vacuum Washer. Erie Metal Products Co., Erie, Pa.
Percoproof Damp-Proofing Compound. Phillip Carey Co., Cincin., O.
Perey Turnstiles. Perey Mfg. Co., Inc., New York.
Perfeclite Electric Lighting Fixtures. Perfeclite Mfg. Co., Seattle.
Perfect Air Pump Strainer. Gustin-Bacon Mfg. Co., Kansas City, Mo.
Perfect Air Valves. W. A. Russell & Co., New York.
Perfect Annunciators. Elec. Goods Mfg. Co., Canton, Mass.
Perfect Anti-Friction Babbitt Metal. Frick & Lindsay Co., Pitts.
Perfect Apple Slicing Machinery. Boutell Mfg. Co., Rochester, N. Y.
Perfect Arc Lamp Clutches. Phila. Elec. & Mfg. Co., Philadelphia.
Perfect Automatic Air Valves. W. A. Russell & Co., New York.
Perfect Automatic Grapple Forks. F. E. Myers & Bro., Ashland, O.
Perfect Automobile Wind Shields. Fellweck Automobile & Mfg. Co., Evansville, Ind.
Perfect Axes. Kelly Axe Mfg. Co., Charleston, W. Va.
Perfect Barbed Wire. American Steel & Wire Co., Chicago.
Perfect Barrel Swings. Upton & Gilman Machine Co., Lowell, Mass.
Perfect Boiler Flue and Tube Cleaners. Hilts Wrench & Mfg. Co., Richford, N. Y.
Perfect Brake Wheels. Dayton Malleable Iron Co., Dayton, O.
Perfect Bronze Wire Cloth, Fly Traps. Ludlow-Saylor Wire Co., St. Louis, Mo.
Perfect Broom Holders, Garment Hangers, Cattle Dehorners, Hog Ringers and Rings and Roofing Tongs. Wm. E. Pratt Mfg. Co., Chicago.
Perfect Building Block Machinery. C. S. Wert, Kendallville, Ind.
Perfect Car Replacers. U. S. Metal & Mfg. Co., New York.
Perfect Carriage Fasteners. C. Cowles & Co., New Haven, Conn.; Crandal Stone Div., The Brewer-Fitchener Corp., Binghamton, N.Y.
Perfect Cattle Guards. Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Perfect Clinching Hose Coupling. L. R. Nelson, Peoria, Ill.
Perfect Cupboard Catches. Automobile Door Catch Co., Harvey, Ill.
Perfect Currycombs. Wisconsin Products Co., Racine, Wis.
Perfect Disc Harrows. Bucher & Gibbs Plow Co., Canton, O.
Perfect Dish Drainers. Hamblin & Russell Mfg. Co., Worcester, Mass.
Perfect Door Checks and Springs. Stanley Works, New Britain, Conn.
Perfect Door Hangers. Bridgeport Hdw. Mfg. Corp., Bridgeport, Conn.
Perfect Door Springs. Sharon Hardware Mfg. Co., Sharon, Pa.
Perfect Double Crimped Wire Cloth; Window Screen Cloth; Mining Screens. The Ludlow-Saylor Wire Co., St. Louis, Mo.

Perfect Double Tong Drill Sockets. Cleveland Twist Co., Cleveland.
Perfect Duplex Monash Air Valves. Monash-Younker Co., Chicago.
Perfect Expansion Bolts. The Isaac Church Expansion Bolt Co., East Norwalk, Conn.
Perfect Fire Place Heaters. Richardson & Boynton, New York.
Perfect Fit Binder Covers. Whitaker Mfg. Co., Chicago.
Perfect Flue and Tube Cutters. J. Faessler Mfg. Co., Moberly, Mo.
Perfect Flue Cutters. J. Faessler Mfg. Co., Moberly, Mo.
Perfect Fruit Pickers. Woods-Sherwood Co., Worcester, Mass.
Perfect Garden, Lawn and Poultry Fences. F. P. Smith Wire & Iron Works, Chicago.
Perfect Gas Main Stoppers. Edw. A. Behringer, New York.
Perfect Glass Cutters. H. C. Hart Mfg. Co., Unionville, Conn.
Perfect Gauge Glass Washers. H. A. Rogers Co., New York.
Perfect Gauges. Schaeer & Budenberg Mfg. Co., Brooklyn, N. Y.
Perfect Handle Screw Drivers, Tack Claws and Pullers, Drawing Knives, Machinists' Hammers, Hatchets, Wrenches. H. O. Smith & Co., Plantsville, Conn.
Perfect Headlights. The Trolley Supply Co., Massillon, O.
Perfect Hose Menders. L. R. Nelson, Peoria, Ill.
Perfect Knife and Scissors Grinders. Shawmut Machy. Co., Boston.
Perfect Lawn Fencing. F. P. Smith Wire & Iron Works, Chicago.
Perfect Lawn Sprinklers. Stuber & Kuck, Peoria, Ill.
Perfect Lemon Squeezers, Steel Stove Trimmings and Stove Trucks. Arcade Mfg. Co., Freeport, Ill.
Perfect Loose Leaf Devices. Chicago Binder & File Co., Chicago.
Perfect Metal Bilge Barrels. Detroit Range Boiler & Steel Barrel Co., Detroit, Mich.
Perfect Office Safes. The National Safe Co., Cleveland, O.
Perfect Oil and Grease Cup Lubricators. Albany Lubricating Compound & Cup Co., New York.
Perfect Oil Filter. Bousman Manufacturing Co., Grand Rapids, Mich.
Perfect Oven Illuminators. George L. Beitner, Bridgeport, Conn.
Perfect Paper Cutting Machines. Black-Clawsen Co., Hamilton, O.
Perfect Peerless Calendar Pads. Telefo Desk-Pad Co., Chicago.
Perfect Point Oval Belt Hooks. Columbia Novelty Mfg. Co., St. Louis, Mo.
Perfect Pipe Benders. Cleveland Wire Spring Co., Cleveland, O.
Perfect Pipe Hangers. D. L. Billings Co., Boston, Mass.
Perfect Pumps, Spray Pumps and Bicycle Stands. The F. E. Myers & Bro., Ashland, O.
Perfect Radiator Shields. Decatur Cornice & Roofing Co., Decatur, Ill.
Perfect Radiator Shields and Automatic Ventilators. J. D. Gerken Co., Toledo, O.
Perfect Rubber Hose. Empire Tire & Rubber Corp., Trenton, N. J.
Perfect Rubber Roofing. Maurice O'Meara Co., New York.
Perfect Seal Piston Rings. Redin-Ekstrom & Co., Rockford, Ill.
Perfect Self-Indexing Ledger. Chicago Binder & File Co., Chicago.
Perfect Shelf Hardware Boxes. Chas. P. Moore, Ravenswood, W. Va.
Perfect Sickle Grinders. Walter A. Wood Mowing & Reaping Machine Co., Hoosick Falls, N. Y.
Perfect Sink Strainers. Central Stamping Co., New York.
Perfect Steel Shipping Barrels. Detroit Range Boiler & Steel Barrel Co., Detroit, Mich.
Perfect Steel Tubular Barrows. Phillips, Doup & Co., Brooklyn, N. Y.
Perfect Success Bucket Spray Pumps. Deming Co., Salem, O.
Perfect Valve Discs. M. B. Skinner Co., Chicago.
Perfect Vises. Massey Vise Co., Chicago.
Perfect Wall Mills. Wrightsville Hardware Co., Wrightsville, Pa.
Perfect Water Closets. Pierce, Butler & Pierce Mfg. Corp., New York.
Perfect Window Regulators. Perfect Window Regulator Co., New York.
Perfect Wire Screens, Wire Cloth. Ludlow-Saylor Co., St. Louis, Mo.
Perfect Woven Wire Fences. Spring Steel Fence & Wire Co., Anderson, Ind.
Perfect-fit Steel Ceilings. Eller Mfg. Co., Canton, O.
Perfected Piano Wire. American Steel & Wire Co., Chicago.
Perfection Air Cushions, Beds and Pillows. Atlantic-Pacific Mfg. Co., Brooklyn, N. Y.
Perfection Ash Sifter and Wire Cloth. Success Mfg. Co., Gloucester, Mass.
Perfection Automobile Heaters. Perfection Heater & Mfg. Co., Cleveland.
Prefection Automobile Robes. A. Hoenigsberger, Chicago.
Perfection Automobile Tire Holders and Auto Curtain Fasteners. Metal Stamping Co., Long Island City, N. Y.
Perfection Axle Grease. Standard Oil Co. of New York, New York
Perfection Babbitt Metal. Eastwood Wire Mfg. Co., Belleville, N. J
Perfection Bath Brushes. Standard Brush Co., New Hartford, Conn.
Perfection Battery Connectors. Fitzgerald Mfg. Co., Dept. H, Torrington, Conn.
Perfection Belt Dressing. Fansher Bros., Dayton, O.
Perfection Belt Lacing. Hudson Belt Fastener Co., New York.
Perfection Belting. Bonner & Barnewall, New York; Boston Woven Hose & Rubber Co., Cambridge, Mass.
Perfection Belting, Fire and Cotton Hose and Dredging Sleeves. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Perfection Bench Grinders. Star Specialty Mfg. Co., Chicago.
Perfection Binding Straps. Bushnell Co., Alvah, Philadelphia, Pa
Perfection Blow Torches. Globe Brass Works, Detroit, Mich.
Perfection Boiler Compounds. Patapsco Oil & Grease Co., Baltimore, Md Brewer & Co., Worcester, Mass. Lake Erie Mfg. Co., Buffalo.
Perfection Boiler Flue Cleaners. Scully Steel & Iron Co., Chicago: Ruggles & Ruggles, Batavia, Ill.
Perfection Bottle Stopper. Globe Gas Light Co., Boston, Mass.
Perfection Box Scrapers. Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
Perfection Brackets and Washers. Ryan & Long, Appleton, Wis.
Perfection Buckles and Fasteners. North & Judd Mfg. Co., New Britain, Conn.
Perfection Calf Weaners. Aug. Holthaus Saddlery Co., St. Louis, Mo.
Perfection Can Filling Machines, Bottle Filling Machines. U. S. Bottlers' Machy. Co., Chicago.
Perfection Can Openers. W. G. Browne Mfg. Co., Kingston, N. Y.
Perfection Car Lamp Burners. Edw. Miller & Co., Meriden, Conn.
Perfection Car Sash Balance. General Railway Supply Co., Chicago
Perfection Carriage Color Varnish, Color Black in Japan. R. F. Johnston Paint Co., Cincinnati, O.
Perfection Cattle Stanchions and Linoleum Racks. Stanley C. Swift Mfg. Co., Cuba, N. Y.
Perfection Cellar Drainers. Erwin & Co., Chicago.
Perfection China Kilns. Bellevue Furnace Co., Detroit, Mich.
Perfection Circle Piston Rings. Indiana Piston Ring Co., Hagerstown, Ind.
Perfection Clothes Dryer. Kalamazoo Specialty Co., Kalamazoo, Mich.
Perfection Clothes Line Hooks. Franklin Brass Foundry Co., Reading, Pa.
Perfection Compounds. Lake Erie Mfg. Co., Buffalo, N. Y.
Perfection Concentrated Liquid Soldering Flux. Baltimore Chemical Co., Baltimore, Md.
Perfection Concrete Machinery. Enterprise Fdry. Co., Rochester, N. Y.
Perfection Core Compounds. The Buckeye Products Co., Cincin., O.
Perfection Corn Poppers. Fred J. Meyers Mfg. Co., Hamilton, O.
Perfection Crayons. Stanley Doggett, New York.
Perfection Curtain Fasteners, Hame Tug Plates. North & Judd Mfg. Co., New Britain, Conn.
Perfection Cutting Compounds. Climax Refining Co., Cleveland.
Perfection Dakota Grain Weighers and Loaders. Hart Grain Weigher Co., Peoria, Ill.
Perfection Desk Calendars. Defiance Mfg. Co., New York.
Perfection Door Checks and Springs. Wickwire Spencer Steel Corp., New York.
Perfection Door Springs. Wire Goods Co., Worcester, Mass.
Perfection Drawing Compounds. Swan & Finch Co., New York.
Perfection Dust Collectors. Prinz & Rau Mfg. Co., Milwaukee, Wis.
Perfection Electric Sign Flashers. Electric Carriage Call & Specialty Co., New York.
Perfection Elevator Boots. Barnard & Leas Mfg. Co., Moline, Ill.
Perfection Elevators. Sidney Elevator Mfg. Co., Sidney, O.
Perfection Emery Grinders. Michigan Engine Valve Co., Detroit, Mich.
Perfection Engineers' Oiling Sets. Deverall Perfection Mfg. Co., Brooklyn, N. Y.
Perfection Extension Ladders, Ventilators. Berger Bros. Company, Philadelphia, Pa.
Perfection Fanning Mills. Johnson & Field Mfg. Co., Racine, Wis.
Perfection Faucets. John Sommer Faucet Co., Newark, N. J.
Perfection Feed Water Heaters and Feed Water Purifiers. Milwaukee Reliance Boiler Wks., Milwaukee, Wis.
Perfection Fire Hydrants. Jno C. Kupferle Fdy. Co., St. Louis, Mo.
Perfection Flexible Battery Connectors. Fitzgeraldville, Pa.
Perfection Floor and Ceiling Plates. Beaton & Cadwell Mfg. Co., New Britain, Conn.
Perfection Floor Scrapers. Duncan Bros. & Wray Co., Ludlow Falls, O.
Perfection Flour. Grafton Roller Mill Co., Grafton, N. D.
Perfection Fodder Shredders. Silver Mfg. Co., Salem, O.
Perfection Front End Paint. International Paint Corp., E. St. Louis, Ill.
Perfection Garden Cultivators. Brown Mfg. Co., Zanesville, Ohio.
Perfection Garden Hose Reels. Cardington Cabinet Co., Cardington, O.
Perfection Gas Burners. M. Kirchberger & Co., New York.
Perfection Gas Furnaces. L. H. Freymuth, Jr., Los Angeles.
Perfection Gas Generators. American Gas Machine Co., Inc., New York.
Perfection Gauges. Millers Falls Co., Millers Falls, Mass.
Perfection Glass Shades. Tindall & Whitie, Inc., New York.
Perfection Grain Graders. Chas. Hunnicut Co., Wilmington, Ohio.
Perfection Hand Brake. Railway Devices Co., St. Louis, Mo.
Perfection Hand Power Washing Machines. Boss Washing Machine Co., Cincinnati, O.
Perfection Hand Stokers. Perfection Grate & Sup. Co., Springfield, Mass.
Perfection Handy Pipe Hooks. Beaton & Caldwell Mfg. Co., New Britain, Conn.
Perfection Heaters. Standard Oil Co., New York.
Perfection High Speed Leather Belting. Bonner & Barnewall, Inc., New York.
Perfection Hydrometer Syringe. Perfection Hydrometer Co., Los Angeles, Calif.
Perfection Ideal Pump Valves. Lake Erie Mfg. Co., Buffalo, N. Y.
Perfection Ironing Boards. Illinois Specialty Co., Tuscola, Ill; Milford Mfg. Co., Mansfield, O.
Perfection Ironing Boards and Window Screens. Fred J. Theriot, Los Angeles, Calif.
Perfection Journal Box Packing. The Franklin Mfg. Co., Franklin, Pa.
Perfection (Kerosene) Oil. Standard Oil Co., Chicago.
Perfection Kerosene Vapor Burning Lamps. Ulfers Mfg. Co., Freeport, Ill.
Perfection Kettle Ranges. Weaver & Co., New Oxford, Pa.
Perfection Lamp Guards. Wm. Inglis Wire & Iron Wks., Detroit, Mich.
Perfection Lawn Mowers. Dille & McGuire Co., Richmond, Ind.
Perfection Leaf Tobacco Dryers. Comas Machine Co., Salem, Va.
Perfection Leather Belting. Bonner & Barnewall, Inc., New York; Eagle Belting Co., Chicago.
Perfection Level and Plumb Attachment. Modern Utilities Co., Harrisburg, Pa.
Perfection Lineman's Pliers. Mathias-Hart Co., Boston, Mass.
Perfection Lubricators. Detroit Shipbuilding Co., Detroit, Mich.; Locke Regulator Co., Salem, Mass.; Amer. Lubricator Co., Boston.
Perfection Lunch Boxes. White Paper Box Co., Holyoke, Mass.
Perfection Marine Gasoline Engines. Caillie Perfection Co., Detroit, Mich.
Perfection Metal Polish. Chemical Supply Co., Cleveland.
Perfection Metal Store Front Construction. Perfection Metal Bar Co., Cleveland.
Perfectoin Metals. Selby Smelting Works Co., San Francisco.
Perfection Milk Coolers. Lewis Mfg. Co., Cortland, N. Y.
Perfection Mitre Boxes. Union Hardware Co., Torrington, Conn.
Perfection Molasses Gates. E. I. Scoville Co., Manlius, N. Y.; John Sommer Faucet Co., Newark, N. J.
Perfection Motor Oil. Crew-Levick Co., Philadelphia.
Perfection Note Book Holders. Weber-Knapp Co., Jamestown, N. Y.
Perfection Oil Gates. John Sommer Faucet Co., Newark, N. J.
Perfection Oil Heaters. The Cleveland Metal Products Co., Cleveland; Standard Oil Co., New York.
Perfection Oilers. Handlan-Buck Mfg. Co., St. Louis, Mo.
Perfection Oiling Sets. Deverall Perfection Mfg. Co., Brooklyn, N. Y.
Perfection Oily Waste Cans. Geo. W. Diener Mfg. Co., Chicago
Perfection Packing. A. W. Chesterton Co., Boston, Mass.; Hamilton Rubber Mfg. Co., Trenton, N. J.
Perfection Padlocks. Ames Sword Co., Chicapee, Mass.
Perfection Paper Cutters. C. F. Pease Co., Chicago.
Perfection Paste. Michigan Paste & Mfg. Co., Detroit, Mich.
Perfection Pie Plates, Tinware. Richardson Mfg. Co., Bath, N. Y.
Perfection Pipe Clamps. F. A. Nusbaum, Lockland, O.
Perfection Pipe Hangers and Sleeves, Plates, Valves, Heating Thermometers and Gauge Glasses. Beaton & Cadwell Mfg. Co., New Britain, Conn.
Perfection Piston Rings. American Piston Ring Co., Baltimore, Md.; Automobile Construction & Engineering Co., Philadelphia.
Perfection Planer Leather Belting. Akron Belting Co., Akron, O.
Perfection Plaster Wallboards. Western Wallboard Co., Seattle.
Perfection Port Lights. Thos. Laughlin Co., Portland, Me.
Perfection Post Hole Diggers. Iwan Bros., South Bend, Ind. Seymour Mfg. Co., Seymour, Ind.
Perfection Potato Planters. S. H. Peek's Sons, East Aurora, N. Y.

Perfection Potato and Pump Sprayers. Hudson Mfg. Co., Minneapolis, Minn.
Perfection Pouring Spouts and Can Screws. Deverall Perfection Mfg. Co., Brooklyn, N. Y.
Perfection Power Grinders, Hand Tool Grinders. Star Specialty Mfg. Co., Chicago.
Perfection Presses and Power Hammers. Naperville Machine Co., Inc., Naperville, Ill.
Perfection Pressure Reducing Valves. Am. District Steam Co., North Tonawanda, N. Y.
Perfection Printers' Gas Burners. Johnson Perfection Burner Co., Cleveland.
Perfection Pump Packing. Advance Packing & Sup. Co., Chicago.
Perfection Pumps. Barnes Mfg. Co., Mansfield, O.
Perfection Rain Water Cut-offs. Klauer Mfg. Co., Dubuque, Ia.
Perfection Ranges. Johnston-Slocum Co., Caro, Mich.
Perfection Reducing Valves. American District Steam Co., N Tonawanda, N. Y.
Perfection Riding Listers. Kingman Plow Co., Peoria, Ill.
Perfection Ring Wheel Chucks. Gardner Machine Company, (South Beloit), Beloit, Wis.
Perfection Rivets. Anthony Carlin Co., Cleveland, O.
Perfection Rubber Gloves; Rubber Sleeves. Mathias-Hart Co., Boston, Mass.
Perfection Sand Dryers. Parkhurst & Wilkinson Co., Chicago.
Perfection Septic Tanks. United Cement Products Co., Indianapolis, Ind.
Perfection Sheet-Packing. Hamilton Rubber Mfg. Co., Trenton, N. J.
Perfection Sifters, Flour Bolting Machines. Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Perfection Silent Timing Gears. Perfection Gear Co., Chicago.
Perfection Soldering Flux. Baltimore Chemical Co., Baltimore, Md.
Perfection Spark Coils and Plugs. American Machine Co., South Braintree, Mass.
Perfection Spots (For Harness Makers). Smith Mfg. Co., F. H., Chicago.
Perfection Spray Pumps. Barnes Mfg. Co., Mansfield, O.
Perfection Sprayers. Thos. Peppler Son & Co., Hightstown, N. J.
Perfection Spring Winders. Hjorth Lathe & Tool Co., Boston, Mass.
Perfection Springs. Eaton Axle & Spring Co., Cleveland.
Perfection Steam Joint Clamps. F. A. Nusbaum, Lockland, O.
Perfection Steel Chains. Bridgeport Chain Co., Bridgeport, Conn.
Perfection Steel Stools. Toledo Metal Furniture Co., Toledo, O.
Perfection Stencil Brushes. Hanlon & Goodman Co., New York.
Perfection Stone Sand Dryers. Roberts & Schaefer Co., Chicago.
Perfection Stove Drills. Wolverine Brass Works, Grand Rapids, Mich
Perfection Stove Pipe and Elbows. Jackes-Evans Mfg. Co., St. Louis
Perfection Swings. Perfection Mfg. Co., Detroit, Mich.
Perfection Tallow. Consolidated Rendering Co., Boston.
Perfection Tank Heaters. Hunt, Helm, Ferris & Co., Harvard, Ill.
Perfection Tanks. A. Buch's Sons, Elizabethtown, Pa.
Perfection Tape. Mechanical Rubber Co., Cleveland, O.
Perfection Tenders. Wood Bros. Steel Self Feeder, Newton, Ia.
Perfection Tire Pumps. Judd & Leland Mfg. Co., Clifton Springs, N. Y.
Perfection Toasters. Kinne Mfg. Co., Minneapolis, Minn.
Perfection Tobacco Counter Cutters. Wrightsville Hardware Co., Wrightsville, Pa.
Perfection Towel Racks. Parker Wire Goods Co., Worcester, Mass.
Perfection Tracing Paper. Chas. H. Robbins, Philadelphia, Pa.
Perfection Trolley Pole Clamps. Virginian Electric & Machine Wks., Charleston, W. Va.
Perfection Trucks. The Engineering Works, Van Buren, Ark.
Perfection Under Beamers. Wilson & Willard Mfg. Co., Los Angeles, Calif.
Perfection Valve and Signal Oils. Galena Signal Oil Co., Franklin, Pa.
Perfection Vehicle Washers. Ryan & Long, Appleton, Wis.
Perfection Veneer Dryers. Rees Blow Pipe Mfg. Co., Inc., San Francisco.
Perfection Ventilators and Ladders. Berger Bros. Co., Philadelphia.
Perfection Wall and Rollabout Beds. T. Leverett Spaulding, San Francisco.
Perfection Waste Cans. Geo. W. Diener Mfg. Co., Chicago.
Perfection Water Coolers. Perfection Cooler Co., Michigan City, Ind
Perfection Water Heaters. Pompeian Mfg. Co., Cleveland.
Perfection Wax Tapers. Thos. W. Houchn Co., New York.
Perfection Welding Compounds. Perfection Welding Compound Co., Scranton, Pa.
Perfection Well Drive Points. National Tube Co., Pittsburgh, Pa.
Perfection Wheel Liner. American Spring Tire Co., Chicago.
Perfection Wire Rope. Upson-Walton Co. of N. Y., New York.
Perfection Wire Stitching Machines. J. L. Morrison Co., Niagara Falls, N. Y.
Perfection Woven Wire Fence Stretchers. Dwiggins Wire Fence Co., Anderson, Ind.
Perfecto Air Valves. E. Edelmann & Co., Chicago.
Perfecto Graphite Lubricants. Warren Lubricant Co., Buffalo, N. Y
Perfecto Hack Saw Blades. Ross Mfg. Co., Kansas City, Mo.
Perfecto Hose Racks and Hose. H. J. M. Howard Mfg. Co., Washington, D. C.
Perfecto Lubricating Oils and Greases. Warren Lubricant Co., Buffalo, N. Y.
Perfecto Metal Polish. Crandall Packing Co., Elmira, N. Y.
Perfecto Spotlights. Reiber-Kolz Co., Adrian, Mich.
Perfecto Swinging Hose. H. J. M. Howard Mfg. Co., Washington, D. C.
Perfecto Unlined Linen Hose. H. J. M. Howard Mfg. Co., Washington, D. C.
Perfectol Car Cleaner; Oil Soap; Renovator; Powdered Soap. Modoc Soap Co., Philadelphia, Pa.
Perfectol Oil Soap. Modoc Soap Co., Philadelphia, Pa.
Perfectol Oils and Greases. Crew Levick Co., Philadelphia, Pa.
Perfectone Loud Speakers. Olympic Products Co., Seattle, Wash.
Perfectosote. C. A. Wood-Preserver Co., St. Louis, Mo.
Perfex Gas Igniters. Electric Goods Mfg. Co., Canton, Mass.
Perfex Induction Coils. Samson Elec. Co., Canton, Mass.
Perfex Screen. Robins Conveying Belt Co., New York.
Perforated Rubber Matting. W. H. Salisbury & Co., Chicago.
Pergola Drinking Fountains. Crane Co., Chicago.
Periodograph Time Recorders. Gisholt Machine Co., Madison, Wis.
Perkins Bleach Ejectors; Calender Rolls; Rag and Stock Cutter; Tensile Tester; Ventilating Fans. B. F. Perkins & Son, Inc., Holyoke, Mass.
Perkins Draw Stroke Trimmers. Perkins & Co., Grand Rapids, Mich.
Perkins Electrical Devices. Bryant Electric Co., Bridgeport, Conn.
Perkins Pattern Nail Mill Machinery. H. J. Millers Sons, Bridgewater, Mass.
Perkins Pivoted Bucket Carriers. The Webster Mfg. Co., Chicago.
Perkins Power Presses. Perkins Machne Co. Warren, Mass.
Perkins Practical Dry Cleaners' Brushes. Atlanta Brush Co., Atlanta, Ga.
Perkins Shingle and Wood Trimming Machines. Perkins & Co., Grand Rapids, Mich.
Perkins Shoveling & End Gate Boards. Hayes Pump & Planter Co., Galva, Ill.
Perkins Switches. Bryant Electric Co., Bridgeport, Conn.
Perkins Tack and Nail Machinery. Henry Perkins Co., Bridgewater, Mass.
Perkins Vegetable Veneer Glue. Perkins Glue Co., South Bend, Ind.
Perkins Wind Mill. Enterprise Wind Mill Co., Sandwich, Ill.
Perlman Demountable Rims. United States Rubber Co., New York.
Perma Effect Ground Connection Clamps. Hart & Hegeman Mfg. Co., Hartford, Conn.
Perma Finish for Flush Plates. Bryant Electric Co., Bridgeport, Conn.
Permabestos Packing. Crandall Packing Co., Palmyra, N. Y.
Permacolor Incandescent Lamp Coloring. C. E. Franche & Co., Chicago.
Permarost Lamp Colorings and Frostings. Perma-Color-Lite Products Corp., New York.
Permalife Storage Batteries. Permalife Storage Battery Co., Indianapolis, Ind.
Permalite Batteries. Permalite Corporation, Indianapolis, Ind.
Permanent Alarm Clocks. Parker Clock Co., Meriden, Conn.
Permanent Paint; Prepared Paint. National Roofing Co., Tonawanda, N.Y.
Permanere Floor Finish. Cleveland Varnish Co., Cleveland, Ohio.
Permanite Sheet Packing. Argus Asbestos Co., Inc., Port Chester, N. Y.
Permanite Water Paint. M. Ewing Fox Co., New York and Chicago.
Permanoid Roofing. Warren Chemical Div., The Barrett Company, New York.
Permatex Cements, Compounds, Paints, Auto Top Dressings, Etc. Permatex Co., Sheepshead Bay, N. Y.
Permoroc Blackboards. E. W. A. Rowles Co., Chicago.
Permutit Filters and Water Softener. Permutit & Co., New York.
Perolin Boiler Cleaner. Perolin Company of America, New York.
Perolin Boiler Compounds. Perolin Co. of America, Chicago.
Perolin Boiler Treatment. Eagle Oil & Supply Co., Boston, Mass.
Perolin The Boiler Metal Treatment. Perolin Company of America, Chicago.
Peroo Crucible Steel and Welding Wire. Perkins Steel Co., New York.
Perplex Binoculars. American Thermo Ware Co., New York.
Perpetual Hay Presses. J. A. Spencer, Dwight, Ill.
Perpetual Metallic Packing. High Speed Metallic Packing Co., Chicago.
Perrette's American Rubbing Stone. Amer. Rubbing Stone Co., Cincinnati, O.
Perrin Auto Dimmers. Perrin Mfg. Co., Detroit, Mich
Perry Anti-Friction Side Bearings. Hageman-Castle Corp., Chicago; Holden & White, Chicago.
Perry Auto Locks. Perry Auto Lock Co., Chicago.
Perry Cocks and Bibbs. Federal-Huber Co., Chicago.
Perry Packing. La Favorite Mfg. Co., Hawthorne, N. J.
Perry Pig Iron. Perry Iron Co., Erie, Pa.
Perry Pneumatic Water System. Fairbanks, Morse & Co., Chicago.
Perry Red Sheet Packing. Gustin Bacon Mfg. Co., Kansas City, Mo.
Perry Sausage Stuffers. Peck, Stow & Wilcox Co., Southington, Conn.; Sargent & Co., New Haven, Conn.
Perry Side Bearings. Joliet Railway Supply Co., Chicago. U. S. Metal & Mfg. Co., New York.
Perry Spring Tooth Harrows. Massey-Harris Harves. Co., Batavia, N. Y.
Perry Ventilators. Perry Ventilator Co., New Bedford, Mass.
Perry Wire Scrapers. Dicke Tool Co., Downers Grove, Ill.
Persian Splits Face Brick. Thomas Moulding Brick Co., Chicago.
Persiontex Bricks. Acme Brick Co., Cayuga, Ind.
Person's-Arter Grinders. Persons-Arter Machine Co., Worcester, Mass.
Perth Gauge Glasses. H. A. Rogers Co., New York.
Peru Axles. Peru Auto Parts Mfg. Co., Peru, Ind.
Peru Potato Diggers, Walking Listers and Drills. Peru Plow & Wheel Co., Peru, Ill.
Per Var Varnishes. W. E. Spencer, New York.
Pery Turnstiles. Pery Mfg. Co., New York.
Pet Fertilizer Distributors. B. F. Avery & Sons, Louisville, Ky.
Pet Laundry Stoves. Gray & Dudley Hardware Co., Nashville, Tenn.
Pet Oak Hot Blast Stoves. Gray & Dudley Hardware Co., Nashville, Tenn.
Peteler Automobile Jacks. New England Tube & Stamping Co., West Haven, Conn.
Peterman Lath Machy. Western Foundry Co., Portland, Ore.
Peter Pan Fountain Pens. Salz Bros., New York.
Peter Smith Car Heaters. The Peter Smith Heater Co., Detroit, Mich.
Peters Grease Traps. Prier Brass Mfg. Co., Kansas City, Mo.
Peters Packaging Equipment. Peters Machinery Co., Chicago.
Peters Pumps. Peters Pump Co., Kewanee, Ill.
Peters Wall Board. Buttonlath Mfg. Co., Los Angeles, Cal.
Peterson's Banking Codes. M. R. Bensinger Code Co., Inc., New York.
Peterson's Valve Removing Tools. Buffum Tool Co., Louisiana, Mo.
Petite Arc Lamps. Western Electric Co., Chicago.
Petrel Oils and Grease Cups Lubricators. Wm. Powell Co., Cincinnati, O.
Petrifax Waterproofing Materials. Dexter Bros. Co., Boston.
Petrifix Floor-Hardener. A. T. Malmed & Co., Philadelphia, Pa.
Petrium Sanitary Sinks. Petrium Sanitary Sink Co., Berkeley, Cal.
Petro Lubricating Oils and Greases. Swan & Finch Co., New York.
Petro Sanitary Flooring. Petro Pulp Floor Co., Kansas City, Mo.
Petro Elastic Asphalt Cements. Standard Oil Co. of Cal., San Francisco.
Petrobestos Sheet Packing. General Asbestos Rubber Co., Charleston, S. C.
Petrofluid Waterproofing Materials. Morene Products Co., Inc., New York.
Petrol Cold Water Paints and Kelsomine. J. A. &. W. Bird & Co., Boston.
Petrol Throttle and Lever Valves. Wm. Powell Co., Cincinnati, O.
Petrola Fibre Sheet Packing. Belmont Packing & Rubber Co., Philadelphia, Pa.
Petrolastic Asphalt Cement. Standard Oil Co., San Francisco.
Petrolite Packing Mfrs. Flange Joints and Sheets. Darcoid Co., New York.
Petrosote Shingle Stains. Ford Roofing Products Co., Chicago.
Petrowax Mineral Wax. Pierce-Fordyce Oil Assn., Dallas, Tex.
Petry Heater and Tuning-up Valve. N. A. Petry Co., Inc., Philadelphia, Pa.
Petterson & Palmquist Gas Analysis Apparatus. Eimer & Amend, New York.
Pettingill Shoe Nailing Machines. United Shoe Machinery Co., Boston.
Petty Automobile and Carriage Heaters. Progressive Mercantile & Mfg. Co., Pana, Ill.

Pexto Bit Braces, Auger and Expansive Bits, Chisels and Gauges, Sheet Metal Workers' Machine and Tools, Pencing, Gas and Linemen's Pliers and Nippers, Screw Drivers, Pruning Shears, Pipe, Engineers' and Mechanical Wrenches. Peck, Stow & Wilcox Co., Southington, Conn.
Pexto Tools. Peck, Stow & Wilcox Co., Southington, Conn.
Pfanstiehl Radio Sets. Pfanstiehl Radio Service Co., N. Chicago, Ill.
Pfanstiehl Starter Coil. Pfanstiehl Co., North Chicago, Ill.
Pfau Valve Balls. Ahrens & Ott Mfg. Co. Fort Worth, Tex.
Pheifer Corrugated Siding and Roofing Clip. Wm. Pfeifer, New York.
Pfeiffer Boot Calks. North & Pfeiffer Mfg. Co., Hartford, Conn.
Pflueger Fish Hooks, Fishing Reels, Saddlery Hardware. Enterprise Mfg. Co., Akron, Ohio.
Phaltoid Asphalt Roofing. A. H. White Co., Ltd., Howard, Venus, Miro & Tanti, New Orleans, La.
Phantom Gasoline Engines. North Chicago Machine Co., No. Chicago.
Pharo Engine Governors. Pharo Mfg. Co., Bethlehem, Pa.
Phelan's Paints and Varnishes. Phelan-Faust Paint Mfg. Co., St. Louis, Mo.
Phelps Boilers and Heaters. Ideal Mfg. & Supply Co., Oskaloosa, Ia.
Phelps Ideal Steam Heaters. Ideal Mfg. & Supply Co., Oskaloosa, Ia.
Phelps Steam Heaters. Phelps Bros. Co., New York.
Phenix Alloy. The Electrical Alloy Co., Morristown, N. J.
Phenix Building Stone and White Lime. Phenix Marble Co., Kansas City, Mo.
Phenix Lubricators. Richardson-Phenix Co., Milwaukee, Wis.
Phenix Storm Sash Hangers, Storm Doors and Windows. Phenix Mfg. Co., Milwaukee, Wis.
Phenix Trailer Truck. Matthew R. D. Owens, Chicago.
Phenix Tubes. Phenix Tube Co., Brooklyn, N. Y.
Phenixlite Reflectors. Phoenix Glass Co., Pittsburgh, Pa.
Pheno Reflectors. Phoenix Glass Co., Pittsburgh, Pa.
Phenoid Varnish Remover Chalmers Chemical Co., Newark, N. J.
Phenolacene Liquid Disinfectant Cleanser. Theo. B. Robertson Products Co., Chicago.
Phenolene Disinfectants. National Disinfecting Co., New York.
Phenoleum Wood Preservatives. Dielectric Mfg. Co., St. Louis.
Phil E-Z Baling Presses. K. & B. Co., Philadelphia, Pa.
Philadelphia Arc Light Cut-outs, Conduit Joint Wrappers, Conduit Sealing Plugs, Trolley Wire Splicing Sleeves. Philadelphia Electrical & Mfg. Co., Philadelphia.
Philadelphia Asparagus Bunchers. Johnson Mfg. Co., Philadelphia.
Philadelphia Batteries. Philadelphia Storage Battery Co., Phila., Pa.
Philadelphia Carriage and Tire Bolts. Bourne-Fuller Co., Cleveland.
Philadelphia Carton Sealing Machines. Am. Machinery Co., Phila.
Philadelphia Casters. The Bassick Company, Bridgeport, Conn.
Philadelphia Chaplets. Liberty Supply Co., Inc., Philadelphia, Pa.
Philadelphia Dairy Apparatus. Vermont Farm Machine Co., Bellows Falls, Vt.
Philadelphia "Diamond Grid" Starting Batteries, Storage Batteries Philadelphia Storage Batteries Co., Philadelphia, Pa.
Philadelphia Expansion and Toggle Bolts. Stewart & Romaine Mfg. Co., Philadelphia, Pa.
Philadelphia Fenders. Electric Services Supplies Co., Philadelphia, Pa.
Philadelphia Foundry Chaplets and Anchors. Philadelphia Chaplet & Mfg. Co., Philadelphia, Pa.
Philadelphia Grease Cups. Chandler Boyd Supply Co., Pittsburgh.
Philadelphia Gears. Philadelphia Gears Works, Philadelphia, Pa.
Philadelphia Grease. Philadelphia Grease Mfg. Co., Philadelphia, Pa
Philadelphia Hand, Barrel and Platform Trucks. The Lansing Company, Lansing, Mich.
Philadelphia Iron Rolls. Philadelphia Roll & Machine Co., Phila., Pa.
Philadelpia Lawn Mowers. Philadelphia Lawn Mower Co., Phila., Pa.
Philadelphia Level Rods. The H. Cole Co., Columbus, O.
Philadelphia Metal Frame Window Screens. Continental Co., Detroit.
Philadelphia Screws. Philadelphia Machine Screw Wks., Phila., Pa.
Philadelphia Silos. E. F. Schlichter Co., Philadelphia.
Philadelphia Slat Irons. C. Cowles Co., New Haven, Conn.
Philadelphia Steam Towing Machines. Amer.Engin'ing Co., Phila., Pa.
Philadelphia Tinners' Snips. C. E. Jennings & Co., New York.
Philadelphia Water Columns. Nason Mfg. Co., New York.
Philbrick Arc Lamp Mast Arms. Pettingell-Andrews Co., Boston.
Philbrick Cutter Heads. Philbrick Cutter-Head Co., Seattle, Wash.
Philbrin Duplex Ignition System. Philips-Brinton Co., Philadelphia, Pa.
Philbrin for Automobiles, Aeroplanes, Gas and Marine Engines. Philbrin Corp., Kennett Square, Pa.
Philico Carbon Paper and Typewriter Ribbons. Phillips Ribbon & Carbon Co., Rochester, N. Y.
Phillips Automatic Dumps. Phillips Mine & Mill Supply Co., Pittsburgh.
Phillips Boiler Repairs and Bolts. Geo. W. Heiland, New York.
Phillips Car Truck. Phillips Mine & Mill Supply Co., Pittsburgh, Pa.
Phillips Couplings for Gasoline and Oil Hose. International Metal Hose Co., Inc., Cleveland, O.
Phillips Expansion Bolts. Garrison Brass & Machine Works, New York.
Phillips Fusible Plugs. Glasgow Iron Works & Supply Co., New York.
Phillips Hot Air Furnaces. Phillips Heating, Ventilating & Mfg. Co., Los Angeles, Cal.
Phillips Invented Woodworking Machinery. Atlas Mfg. Co., New Haven, Conn.
Phillips Metal Frame Window Screens. Continental Co., Detroit.
Phillips Sight Feed Lubricators. Rich Mfg. Co., Boston.
Phillips Spring Hammers. Daugherty-Smith-Phillips Co., Chicago.
Phillipsite Tool Steel. Connecticut Electric Steel Co., Inc., Hartford, Conn.
Phillips World's Axle Grease. World Refining Co., Easton, Pa.
Phinotas Sanitary Devices. Phinotas Chemical Co., New York.
Phlorkote Cement Floor Enamels. National Roofing Co., Tonawanda, N. Y.
Phoenix Asphalt Ready Roofings. Barber Asphalt Co., Philadelphia.
Phoenix Belting. New York Leather Belting Co., New York.
Phoenix Built-Up-Asbestos Roofing. Johns-Manville, Incorporated, New York.
Phoenix Bull Dog Steel Toe Calks. Phoenix Horse Shoe Co., Chicago.
Phoenix Cork Pullers. Arcade Mfg. Co., Freeport, Ill.
Phoenix Die Castings. Phoenix Die Casting Co., Buffalo, N. Y.
Phoenix Fire Extinguishers. Missouri Lamp & Mfg. Co., St. Louis, Mo
Phoenix Fire-Proof Floors. Henry Maurer & Son, New York.
Phoenix Garage Machine Tools, Angle Irons, V Blocks, Etc. Phoenix Mfg. Co., Eau Claire, Wis.
Phoenix Gasoline Blow Torches. Decker Mfg. Co., Newark, N. J.
Phoenix Gold Paints. John W. Hasburg Co., Chicago.
Phoenix Hosiery and Mufflers. Phoenix Knitting Works, Milwaukee, Wis.
Phoenix Keystone Hair Insulator. Johns-Manville, Incorporated, New York.
Phoenix Leather Belting. New York Leather Belting Co., New York.
Phoenix Lubricators. Wm. Powell Co., Cincinnati, O.
Phoenix Metal Lath. The Goldsmith Metal Lath Co., Cincinnati, O.
Phoenix Metal Rolls. Pittsburgh Rolls Corp., Pittsburgh.
Phoenix Metallic Window Frame. S. Keighley Metal Ceiling & Mfg. Co., Pittsburgh.
Phoenix Nickel-Steel Wire. Electrical Alloy Co., Morristown, N. J.
Phoenix Oil Cups. Wm. Powell Co., Cincinnati, Ohio.
Phoenix Packing Cotton and Rubber Hose. Boston Belting Corp., Boston.
Phoenix Packing. H. Johnson Co., Jersey City, N. J.
Phoenix Paint. Phoenix Paint & Varnish Co., Philadelphia, Pa.
Phoenix Portland Cement. Phoenix Portland Cement Co.,Nazareth,Pa.
Phoenix Porcelain Plumbing Supplies. General Ceramics Co., New York.
Phoenix Reflectors. Phoenix Glass Co., Pittsburgh, Pa.
Phoenix Roofing Sheets. Barber Asphalt Paving Co., Philadelphia, Pa.
Phoenix Rubber Hose. Boston Belting Co., Boston, Mass.
Phoenix Saw Swages. Phoenix Mfg. Co., Eau Claire, Wis.
Phoenix Saw Vises. Phoenix Hardware Co., Buffalo, N. Y.
Phoenix Steam Packing. Hy. Johnson Co., New Jersey City, N. J.
Phoenix Steel Lockers. Keighley Mfg. Co., Pittsburgh, Pa.
Phoenix Structural Iron and Steel. Phoenix Iron Co., Philadelphia, Pa.
Phoenix Turret Tool Post. Phoenix Mfg. Co., Eau Claire, Wis.
Phoenix Valve and Service Boxes. Central Foundry Co., New York.
Phomene Fire Extinguishers. Pyrene Mfg. Co., Newark, N. J.
Phonedoscope Trouble Finders. G. P. Pilling & Son Co., Philadelphia.
Phone-Eze Telephone Desk Bracket. C. A. Hubbs, New York.
Phono-Electric Trolley Wire. Bridgeport Brass Co., Bridgeport, Conn.
Phonographic Lead Pencils. American Lead Pencil Co., New York.
Phonometer Sound-Reproducing Mechanism. W. F. Hitchcock, Rochester, N. Y.
Phonopoise Telephone Brackets. K. & B. Co., Philadelphia, Pa.
Phosfo C. R. L. Fire Hose. Quaker City Rubber Co., Philadelphia.
Phospho Plates. Union Screen Plate Co., Fitchburg, Mass.
Phosphor Bronze Babbitt Metal. More-Jones Brass & Metal Co., St. Louis.
Phosphor Lignum Wood Bearings and Bushings. Massachusetts Oilless Bearings Co., Wakefield, Mass.
Phospo Chemical Engine Hose. Quaker City Rubber Co., Philadelphia.
Photomailer Envelopes. The Thompson & Norris, Brooklyn, N. Y.
Photophore Lights. The Stupakoff Laboratories, Pittsburgh, Pa.
Photoscript. Williams, Brown & Earle Inc., Philadelphia, Pa.
Photostat Copying Apparatus. Commercial Camera Co., Rochester, N. Y.
Photostat Photographic Copying Machines. Photostat Corp., Rochester, N. Y.
Pianolite Electric & Gas Light Fixtures. Franks Mfg. Co., Rock Island, Ill.
Pianostyle Instrumental Music Rolls. United Music Stores, Phila.
Picadura Tobacco Scrap Cutting Machines. Miller Du Brull & Peters Mfg. Co., Cincinnati.
Piche Evaporometers. Henry J. Green, Brooklyn.
Picher Lead Oxide; Pure Litharge; Pure Red Lead; Sublimed Blue Lead; Sublimed Litharge; Sublimed White Lead. The Eagle-Picher Lead Co., Chicago.
Picher Red Lead, Litharge and Orange Mineral. Eagle Picher Lead Co., Chicago.
Picher Sublimed Blue and White Lead. Eagle Picher Lead Co., Chicago
Pickering Governors. Pickering Governor Co., Portland, Conn.
Picket Oils and Grease Cup Lubricators. Wm. Powell Co.,Cincinnati,O.
Picolo Benzine Soldering Iron. Globe Gas Light Co., Boston.
Piedmont Hickory Handles. E. B. Estes & Sons, New York.
Piedmont Leather Belting. Charlotte Leather Belting Co., Charlotte, N. C.
Pie-Nie Carriage Top Dressings. Durkee Atwood Co., Minneapolis.
Pierce Bibbs. Hoffman & Billings Mfg. Co., Milwaukee, Wis.
Pierce's Commode Pails. Northwestern Stamping Co., Burlington, Ia.
Pierce Electric Cable Hangers. W. G. Nagel Electric Co., Toledo, O.
Pierce Governors. Pierce Governor Company, Anderson, Ind.
Pierce Impulse Automobile Starter. Veltum & Clow Mfg. Co., Eugene, Ore.
Pierce Jr. Steam and Hot Water Heaters. Pierce, Butler & Pierce Mfg. Corp., New York.
Pierce Paints. F. O. Pierce Co., New York.
Pierce Steam Heaters, Hot Water Radiators. Pierce, Butler & Pierce Mfg. Corp., New York.
Pierce Turret Screw Machine. Pierce Machine Tool Co., Chicago.
Pierco Vegetable Oils. The Pierce Company, East Rochester, N. Y.
Pieresco Wall Finish. F. O. Pierce Co., New York.
Piersen Telegraph Transmitters. Pierson Mfg. Co., Topeka, Kan.
Piette Coke Ovens. Belgian-American Coke Oven Corp., St. Louis, Mo.
Pig Tail Metal Furring Staples. Pig Tail Staple Co., San Francisco.
Pike Abrasive Materials. Pike Mfg. Co., Pike, N. H.
Pike's Peak Cement. Colorado Portland Cement Co., Denver, Colo.
Pike O' Camp Bed Camping Outfits. Pike Auto & Trailer Works, Los Angeles.
Pilabrasco Fire Extinguishers. Pittsburgh Lamp Brass & Glass Co., Pittsburgh.
Pilgrim Belting. B. F. Goodrich Co., Akron, O.
Pilgrim Binder Twine. Plymouth Cordage Co., North Plymouth, Mass.
Pilgrim Core Packing. Mulconroy Co., Philadelphia, Pa.
Pilgrim Lubricators. Wm. Powell Co., Cincinnati, O.
Pilgrim Oil Cups. Wm. Powell Co., Cincinnati.
Pilgrim Paints and Varnishes. Vaughan Paint Co., Cleveland, O.
Pilley Flue Brush. Pilley Packing & Flue Brush Mfg. Co.,St.Louis,Mo.
Pilley's Ring Packing and Spiral Packing. Pilley Packing & Flue Brush Mfg. Co., St. Louis, Mo.
Pilliod Tool Cases. Pilliod Lumber Co., Swanton, O.
Pilot Acetylene Generators. Oxweld Acetylene Co., Chicago.
Pillsbury Flour. Pillsbury Flour Mills Co., Minneapolis.
Pilot Belt Dressing, Leather Belting. Webb Belting Co., Kansas City, Mo.
Pilot Force Pumps. Crestline Mfg. Co., Crestline, O.
Pilot Flushing Valves. Hedges & Bros., Inc., Newark, N. J.
Pilot Gate Valves. Wm. Powell Co., Cincinnati, O.
Pilot Heating Stoves. Indiana Foundry Co., Inc., Indiana, Pa.
Pilot Marine Engines. Trump Bros. Machine Co., Wilmington, Del.
Pilot Plows. South Bend Chilled Plow Co., South Bend, Ind.
Pilot Roofing. Johns-Manville, Incorporated, New York.
Pilot Stalk Cutter Attachments. Hartman Mfg. Co., Vincennes, Ind.
Pilot "U. S." Belting. United States Rubber Co., New York.
Pilots' Ladders. American Chain Ladder Co., New York.
Pimbley's Polish. The Pimbley Paint & Glass Co., St. Joseph, Mo.
Pine Flotation Oils. Pensacola Tar & Turpentine Co., Gulf Point, Fla.
Pineo Saw Guides. New Britain Machine Co., New Britain, Conn.
Pine-Ola Soap. Miracle Sales Co., Los Angeles.
Pineosote Pine Oils, Rosin, Wood Cresote. Forest Products Co., New Orleans, La.
Pine Ridge Tools. Southern Railway Sup. & Equip. Co., St. Louis, Mo.

Pine Tree Turpentine. Thomas Sealy, New York.
Pingree Potato Planters. Potato Implement Co., Traverse City, Mich.
Pinion Key Drill Chucks. Skinner Chuck Co., New Britain, Conn.
Pink-A-Tone Receivers and Amplifiers. Pinkerton Electric Equipment Co., New York.
Pinnacle Belting, Tank Balls. B. F. Goodrich Co., Akron, O.
Pinnacle Enamel Paper. West Virginia Pulp & Paper Co., Inc., New York.
Pinnacle Lubricators. Wm. Powell Co., Cincinnati, O.
Pinnacle Oil Cups. Wm. Powell Co., Cincinnati, O.
Pinnacle (Texaco) Lubricating Oil. The Texas Company, New York.
Pinoleum Disinfectants. Hookwald Chemical Co., San Francisco.
Pinosol Disinfectants. Brewer & Co., Worcester, Mass.
Pino-Zen Disinfectant. Zenner Products Co., Detroit, Mich.
Pintite Rigid Couplings. Smith & Serrell, Newark, N. J.
Pinto Leather Cloth. Zapon Leather Cloth Co., New York.
Pintsch Car Lighting Apparatus Gas Buoys. Safety Car Heating & Lighting Co., New York.
Pintsch Digesters. International Process Co., New York.
Pintsch Gas Buoys, Gas Lighting Apparatus. Safety Car Htg. & Lighting Co., New Haven, Conn.
Pintsch Gas Mantles. Safety Car Heating & Lighting Co., New York.
Pioneer Acid Valves. Pioneer Alloy Products Co., Inc., Cleveland, O.
Pioneer Auto Stamping, Bow Sockets and Top Joints. Crandal-Stone Division, Brewer-Titchener Corp., Binghamton, N. Y.
Pioneer Automobile Hardware Trimmings. Brewer-Titchener Corp., Cortland, N. Y.
Pioneer Back-Dump Bucket; Excavating Outfits; Wire Rope Blocks. Mansfield Engineering Co., Indianapolis, Ind.
Pioneer Baled Shavings. Oscar Smith & Son, Albany, N. Y.
Pioneer Bottle Wrappers, Packing Pads. Excelsior Wrapper Co., Chgo.
Pioneer Brand Roofing and Building Papers. Pioneer Paper Co., Los Angeles.
Pioneer Buckram and Gimp. Landers Bros. Co., Toledo, O.
Pioneer Building Papers. Pioneer Paper Co., Los Angeles, Cal.
Pioneer Canned Goods. Otoe Foods Products Co., Nebraska City, Nebr.
Pioneer Centrifugal Pumps. Brainard Bros., Sacramento, Cal.
Pioneer Charcoal Pig Iron. Cleveland-Cliffs Iron Co., Cleveland, O.
Pioneer Children's Vehicles and Push Carts. Gendron Wheel Co., Toledo, O.
Pioner Clay Working Machy. Taplin-Rice-Clerkin Co., Akron, O.
Pioneer Copper and Zinc Plates. New York Steel & Copper Plate Co., Brooklyn, N. Y.
Pioneer Corn Cribs. Pioneer Mfg. Co., Middlebury, Ind.
Pioneer Cotton Waste. Robt. Bishop Mfg. Co., Boston, Mass.
Pioneer Drag Line Scraper and Dredging and Excavating Buckets. Mansfield Engineering Co., Indianapolis.
Pioneer Elec. Drills. Louisville Elec. Mfg. Co., Louisville, Ky.
Pioneer Electric Mine Lamps. Hirsch Elec. Mine Lamp Co., Phila., Pa.
Pioneer Expansion Joints. Pioneer Asphalt Co., Lawrenceville, Ill.
Pioneer Express Poultry Crates, Wire-bound Boxes and Crates. General Box Co., Dept. T., Chicago.
Pioneer Fabrics. Landers Bros. Co., Toledo, O.
Pioneer Farm Wagons. Smith Mfg. Co., La Crosse, Wis.
Pioneer Flint Paper. Wausau Abrasives Co., Wausau, Wis.
Pioneer Forgings, Curtain Fasteners and Lights, Step Hangers and Auto Mirrors. Brewer-Titchemer Corp., Cortland, N. Y.
Pioneer Hardwood Doors. W. D. Crooks & Sons, Williamsport, Pa.
Pioneer Incandescent Renewed Lamps. Consolidated Electric Lamp Co., Danvers, Mass.
Pioneer Iron Stove Pipe. Crunden Martin Mfg. Co., St. Louis, Mo.
Pioneer Journal and Motor Bearings. Pioneer Motor Bearing Co., San Francisco.
Pioneer Leather Belt. Mountain States Rubber Company, Denver, Colo.
Pioneer Leather Belting. Norwich Belt Mfg. Co., Norwich, Conn.
Pioneer Metal Polish. National Rubber & Specialties Co., Cincinnati.
Pioneer Metal Polish, Carriage Top Dressing, Valve Grinding Compounds. Northwestern Chemical Co., Marietta, O.
Pioneer Milk Bottle Carriers. Pioneer Wire Works, Camden, N. J.
Pioneer Mill and Garden Hose. U. S. Rubber Co., New York.
Pioneer Mineral Rubber; Filler Asphalt; Expansion Joint. Pioneer Asphalt Co., Lawrenceville, Ill.
Pioneer Molding Sander Machines. Austin & Eddy, Boston.
Pioneer Moulding Sander. The Black Bros. Co., Mendota, Ill.
Pioneer Mortise Blind Hinges. Wrightsville Hardware Co., Wrightsville, Pa.
Pioneer Non-Return Stop Valve. Foster Eng'r'g Co., Newark, N. J.
Pioneer Oil Cups. Lunkenheimer Co., Cincinnati, O.
Pioneer Packing. Cancas Mfg. Co., Philadelphia.
Pioneer Packing Rubber Hose. Goodyear Rubber Co. & Rubber Clothing Co., New York.
Pioneer Padlocks. Fraim-Slaymaker Hdwe. Co., Inc., Lancaster, Pa.
Pioneer Pig Iron. Republic Iron & Steel Co., Youngstown, O.; Cleveland Cliffs Iron Co., Cleveland.
Pioneer Piston Packing. Canvas Mfg. Co., Philadelphia, Pa.
Pioneer Platform and Street Lanterns. R. E. Dietz Co., New York.
Pioneer Post Hole Diggers. E. Kohler & Co., Canton, O.
Pioneer Pressed Steel Shaft Hangers. Standard Pressed Steel Co., Philadelphia, Pa.
Pioneer Rope. Ajax Rope Company, Inc., New York.
Pioneer Rubber Buckets. National India Rubber Co., Bristol, R. I.
Pioneer Rubber Hose. Goodyear Rubber Co., New York.
Pioneer Sanding Machines. Austin & Eddy, Boston, Mass.
Pioneer Screw Drivers. W. A. Ives Mfg. Co., Wallingford, Conn.
Pioneer Soldering Furnaces. Turner Brass Works, Sycamore, Ill.
Pioneer Steel Shaft Hanger. Standard Pressed Steel Co., Phila., Pa.
Pioneer Telephone Receivers. Automatic Electric Co., Chicago.
Pioneer White and Red Lead. W. P. Fuller & Co., San Francisco.
Pioneer Wirebound Boxes. Pioneer Box Co., Crawfordsville, Ind.
Pipe Klenzo Drain Pipe Cleaner. West Disinfecting Co., New York.
Piper Friction Gears. Butler Drawbar Attachment Co., Cleveland, O.
Pippin Portable Fruit Sprayers. Reierson Machinery Co., Portland, Ore.
Piqua Rotary and Positive Pressure Blowers. Piqua Blower Co., Piqua, O.
Piqua Shelf Brackets. Piqua Bracket Co., Piqua, O.
Piqua Shovels. The Wood Shovel & Tool Co., Piqua, O.
Pirate Windmills. Heller, Aller & Co., Napoleon, O.
Pirsch Fire Hose Shut Off. Peter Pirsch & Co., Kenosha, Wis.
Pirsch Fire Truck Bodies. Peter Pirsch & Sons Co., Kenosha, Wis.
Pistol Grip Hack Saw Frames. Simonds Saw and Steel Co., Fitchburg, Mass.
Piston Pins. Standard Gear Co., Detroit, Mich.
Piston-Ring Compressor. Morgan Mfg. Co., Newport, R. I.
Pitcairn Aged Varnishes. Pittsburgh Plate Glass Co., Pittsburgh, Pa.
Pit-Com-Co Compounds. Pittsburgh Compound Co., Pittsburgh, Pa.
Pitcher Door Hangers. National Mill & Lumber Co., San Francisco.
Pitcher Matting. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Pitco Journal Box Packing. Pittsburgh Waste Co., Swissvale, Pa.
Pitman Drive Corn and Cotton Planting Drills. J. I. Case Plow Wks., Racine, Wis.
Pitman Lever Shears. Youngstown Foundry & Machine Co., Youngstown, O.
Pitney Shutter Workers. Quincy Foundry & Novelty Co., Quincy, Ill.
Pitometer Leaks in Pipe Detector. The Pitometer Co., New York.
Pitot Tube Water Meters. Simplex Valve & Meter Co., Philadelphia.
Pitt Balance Door. Pitt Balance Door Co., New York.
Pitt Bostwick Folding Gates; Lazy Tong Folding Gates; Composite Folding Gates; Selfclosing Elevator Gates; Driveway and Entrance Gates; Car Gates and Door Operating Devices; Window Guards; Receding Booth-door Devices. Wm. R. Pitt Composite Iron Works, New York.
Pitt Car Couplers. McConway & Torley Co., Pittsburgh.
Pitt Folding Bridge Gates. Wm. R. Pitt Composite Iron Works, New York.
Pitt Leather Belting. Hartley-Rose Belting Co., Pittsburgh, Pa.
Pitt Pivoted Passenger Coupler. The McConway & Torley Co., Pittsburgh, Pa.
Pitt Pneumatic Locomotive Sanders. Hegeman-Castle Corp., Chicago; Holden & White, Chicago.
Pitt Unions. Kelly & Jones Co., Greensburg, Pa.
Pitts Rubber Hose. Electric Hose & Rubber Co., Wilmington, Del.
Pitts Sweep Horse Powers. Cehl Bros. Mfg. Co., West Bend, Wis.
Pittcoal Steam Heaters. Pittsburgh Water Heater Co., Pittsburgh.
Pittroil Lubricating Oils. Wm. C. Robinson & Son Co., Baltimore.
Pittsburgh Anti-Freezing Water Closets. Pittsburgh Brass Mfg. Co., Pittsburgh.
Pittsburgh Bevel and Cut Gears. Pittsburgh Gear & Machine Co., Pittsburgh.
Pittsburgh Blow-Off Valves, Gauge Cocks, Gauges, Exhaust Heads, Steam Separators, Gas Valves, Coke Scraper Heads, Safety Water Columns and Alarms. Pittsburgh Gage & Supply Co., Pittsburgh.
Pittsburgh Brake Handle. Dayton Mfg. Co., Dayton, Ohio.
Pittsburgh Cranes. Pittsburgh Crane and Equipment Co., Pittsburgh, Pa.
Pittsburgh-Des Moines Tanks. Pittsburgh-Des Moines Steel Co., Pittsburgh, Pa.
Pittsburgh Drop Hammers. United Engineering & Foundry Co., Pittsburgh.
Pittsburgh Electric Furnaces. Pittsburgh Furnace Co., Milwaukee, Wis.
Pittsburgh Engine Lathes. Pittsburgh Machine Tool Co., Braddock, Pa.
Pittsburgh Feed Water Heaters. Elliot Co., Pittsburgh.
Pittsburgh Flood Light and Reflectors. Pittsburgh Reflector & Illuminating Co., Pittsburgh, Pa.
Pittsburgh Frost Proof Closet. Pittsburgh Brass Mfg. Co., Pitts., Pa.
Pittsburgh Grate Bars. Rosedale Foundry & Machine Co., Pittsburgh.
Pittsburgh Insulator Pins, Trolley Street Poles. Valley Forging Co., Verona, Pa.
Pittsburgh Lamp Oil. Waverly Oil Works Co., Pittsburgh, Pa.
Pittsburgh Lead. Jamestown Paint & Varnish Co., Jamestown, Pa.
Pittsburgh Lock Mortising Machines. Pittsburgh Instrument & Machine Co., Pittsburgh.
Pittsburgh Parabolite Spot-Light. Pitts, Elec. Spec. Co.,Pittsburgh,Pa.
Pittsburgh Perfect Fencing, Barbed Wire, Nails, Staples, Wire and Wire Products, Blooms, Billets, Wire Rods, Hoops, Bands, Cotton Ties, etc. Pittsburgh Steel Co., Pittsburgh, Pa.
Pittsburgh Perfect Star Barbed Wire. Pittsburgh Steel Co., Pitts., Pa.
Pittsburgh Pig Lead. Pennsylvania Smelting Co., Pittsburgh, Pa.
Pittsburgh Pneumatic Tool Lubricators. Am. Electric Air Pump Co., Pittsburgh.
Pittsburgh Reflectors. Pittsburgh Reflector & Illuminating Co., Pittsburgh.
Pittsburgh Saws. E. T. Lippert Saw Co., (Millvale), Pittsburgh, Pa.
Pittsburgh Shaking Grates. Rosedale Fdry. & Mach. Co.,Pittsburgh,Pa.
Pittsburg Show Window Lighting. Pittsburg Reflectors and Illuminating Co., Pittsburgh, Pa.
Pittsburgh Special Coal Jigs. Pittsburgh Coal Washer Co., Pitts., Pa.
Pittsburgh Standard Conduits. Enameled Metals Co., Pittsburgh, Pa.
Pittsburgh Steel Dies. Pittsburgh Steel Stamp Co., Pittsburgh, Pa.
Pittsburgh Tape. Westinghouse Electric & Mfg. Co., E. Pittsburgh, Pa.
Pittsburgh Tube Expanders. Ajax Mfg. Co., Pittsburgh.
Pittsburgh Valves, Traps. Pittsburgh Valve & Fittings Co., Barberton, O.
Pittsburgh Wall Ties. McDowell Mfg. Co., Pittsburgh.
Pittsburgh Water Heaters. Pittsburgh Water Heater Co., Pittsburgh.
Pittsfield Spark Coils. Pittsfield Spark Coil Co., Pittsfield, Mass.
Pittston Stoves. Pittston Stove Co., Pittston, Pa.
Plane Pumps. Humphreys Mfg. Co., Mansfield, O.
Planer Belting. Hudson Belting Co., Worcester, Pa.
Planer Double Leather Belting. Missouri Belting Co., St. Louis, Mo.
Planers of Woods, Cutter Heads, Grinders, Planing, Wood Working, Box Making, Shipbuilding and Sawmill Machinery. S. A. Woods' Machine Co., Boston, 27, Mass.
Planet Jr. Agricultural Implements. S. L. Allen & Co., Inc., Philadelphia, Pa.
Planet Marine Gears. Marine Mfg. & Supply Co., New York.
Planet Oils and Grease Cup Lubricators. Wm. Powell Co., Cincinnati, O.
Planet Steel. A. R. Purdy Co., Inc., New York.
Planetary Thread Millers. Hall Planetary Thread Milling Machine Co., Philadelphia, Pa.
Planetlite Electric Fixtures.. Planetlite Co., Inc., New York.
Plansifter Flour Sifter. Barnard & Leas Mfg. Co., Moline, Ill.
Plasteline Modeling Clays. Stewart & Co., New York.
Plantation Feed Cutters. Silver Mfg. Co., Salem, O.
Planters Gem Cart Sprayer. Deming Co., Salem, Ohio.
Planters' Tractor Cart Sprayer. Deming Co., Salem, Ohio.
Plastergon Wall Board. Plastergon Wall Board Co., Buffalo.
Plastergon Wood Fibre Wall-Board. Plastergon Wallboard Co., Buffalo, N. Y.
Plasterite Damp Course. Vulcanite Roofing Co., Buffalo.
Plasterite Patching Plaster. Golkner & Blue Co., New York.
Plasterox Waterproofing Composition. Toch Bros., New York.
Plastic-Arc Welders and Welding Materials. Wilson Welder & Metals Co., Inc., Brooklyn, N. Y.
Plastic Copper Base Metal Alloys. Ajax Metal Co., Philadelphia, Pa.
Plastic Fire Brick, Refractory Cement. Adams & Jewell, Rome, N. Y.
Plastic Rok Stucco. Plastic Rok Co., Springfield, Ohio.
Plastic Tockolith Marine Paints. Toch Bros., New York.
Plastic Waterproofing Materials. Flintkote Co., Boston.
Plastico Carburizing Compound. The Steel Treating Equipment Co., Detroit, Mich.
Plastigmat Projection Lenses. Bausch & Lomb Optical Co., Rochester, N. Y.
Plastiklast Paint. The Acorn Refining Co., Cleveland, O.
Plastikote Pipe and Boiler Covering. Pitts & Kitts Mfg. & Supply Co., New York.

Plastometer Rubber Testing Machines. Pusey & Jones Co., Wilmington, Del.
Plastone Sanitary Flooring, Drainboards, Plaster Walls, Tiles and tels. Plastone Co., Los Angeles.
Plata Babbitt Metal, Journal Bearings. Atkinson Co., Rochester, N. Y.
Platinoid Imitation Platinium. Manhattan Dental Co., New York.
Platno Platinum Substitute. Bario Metal Corp., New York.
Plat-O Concentrating Tables. Deister Machine Co., Ft. Wayne, Ind.
Platt Cotton Openers, Wool Finishing Machines. Leigh & Butler, Boston.
Platt Pumps. Platt Iron Works, Dayton, O.
Platt's Carding Engines, Cotton Combs, Mules. Leigh & Butler, Boston.
Playford Chain Grate, Stokers. Rosedale Foundry & Machine Co., Pittsburgh, Pa.
Playford Mechanical Stokers. Rosedale Foundry & Machine Co., Pittsburgh.
Play-O-Lite Piano Lamps. Play-O-Lite Co., Worcester, Mass.
Pleephone Loud Speakers. Federal Tel. & Tel. Co., Buffalo.
Plia-Duct Electric Conduit. Short Electrical Mfg. Corp., Penn Yan, N.Y.
Pliaduct Non-Metallic Flexible Conduits. Short Electrical Mfg. Co., Penn Yan, N. Y.
Pliant Rubber Hose. Electric Hose & Rubber Co., Wilmington, Del.
Plia Steel Electric Cables. Short Electrical Mfg. Corp. Penn Yan, N. Y.
Pliastue Metallic Flexible Conduits. Short Electrical Mfg. Co., Penn Yan, N. Y.
Plibrico Jointless Fire Brick, Bonds, Etc. Jointless Fire Brick Co., Chicago.
Plimpton Trucks. Plimpton Truck Co., Stamford, Conn.
Plitron Vacuum Tubes. General Electric Co., Schenectady, N. Y.
Plomo Dressing and Lubricants. Plomo Specialty Mfg. Co., Cleve., O.
Plouff's Fusible Plugs. Boston Steam Specialty Co., Boston, Mass.
Plover Duck Decoys. William Read & Sons, Boston.
Plover Rubber Hose. Goodyear Rubber Co., San Francisco.
Plow Boy Back Hand Buckles. Stanley Works, New Britain, Conn.
Plow Man Gasoline Tractors. Interstate Tractor Co., Waterloo, Ia.
Plug-A-Leak Roofing Cement. Toch Brothers, Inc., New York.
Plugall Heater Cord Switch Plug. Magnus Electric Co., Inc., New York.
Plum Para Sheet Packing. Mechanical Rubber Co., Cleveland, O.
Plumbalun Acid and Wear-Resisting Agitators and Rabble Blades. American Abrasive Metals Co., New York.
Plumbcarbo Sheet Packing. Quaker City Rubber Co., Philadelphia.
Plumbers' Friend Pumps. Wolverine Brass Works, Grand Rapids, Mich.
Plumbine Cement. Stone Tar Products Co., Brooklyn, N. Y.
Plumbized Pails, Dippers and Garbage Cans. The Walker Plumbized Co., Batavia, N. Y.
Plummer Steam Heaters. Putnam Foundry & Machine Co., Putnam, Conn.
Plumrite Brass Pipe. Bridgeport Brass Co., Bridgeport, Conn.
Plumwood Metallic Shades. Plume & Atwood Mfg. Co., Waterbury, Conn.
Plunket Drilling and Milling Machine Vises. J. E. Plunket Machine Co., Chicago.
Plurality Bolt Cutting Machines. Mummert Dixon Co., Hanover, Pa
Pluto Copying Pencils. Koh-I-Noor Pencil Company, New York.
Pluto Oils and Grease Cup Lubricators. Wm. Powell Co., Cincinnati, O.
Pluto Pencils. L. & C. Hardtmuth, New York.
Pluviol Carriage Top Dressing. Viscol Co., Cambridge, Mass.
Pluvius Lawn Sprinklers, Garden Hose. W. D. Allen Mfg. Co., Chicago.
Plyabyl Leather Belting. Zimmer Belting Co., New York.
Plymouth Belting. Boston Woven Hose & Rub'r Co., Cambridge, Mass.
Plymouth Binder Twine. Plymouth Cordage Co., North Plymouth, Mass.
Plymouth Gasoline Hose. Cincinnati Rubber Mfg. Co., Cincinnati.
Plymouth Gasoline Locomotive. The Fate-Root-Heath Co.,Plymouth,O.
Plymouth Grain Drills, Rice Planting Drills. Wm. Fetzer Co., Springfield, Ill.
Plymouth Grinders. Clizbe Bros. Mfg. Co., Plymouth, Ind.
Plymouth Hose. Cincinnati Rubber Mfg. Co., Cincinnati, O.
Plymouth Lath Yarn. Rope. Plymouth Cordage Co., Plymouth, Mass.
Plymouth Rock Cobblers' Outfits and Hand Riveting Machines. Fate-Root Heath Co., Plymouth, O.
Plymouth Shoe Lasts & Stands. Fate-Root-Heath Co., Plymouth, O.
Plymouth Wall Plaster. Plymouth Gypsum Co., Fort Dodge, Ia.
Plymouth Whiting. R. T. Vanderbilt Co., New York.
Pneumalectric Drills, Hoists and Pumps. The Pneumalectric Corporation, Syracuse, N. Y.
Pneumatic Concrete Mixing Machine. Pneumatic Placing Co., New York.
Pneumatic Paint Spraying Machinery. Herdie Mfg. Co., Hudson, Mich
Pneumatic Pumps. The F. E. Myers & Bro., Ashland, O.
Pneumatic Recording Pyrometers. Uehling Inst. Co., New York.
Pneumatic Revolution Counters. McNab Co., Bridgeport, Conn.
Pneumatic Rotary Car Dumpers. Wood Equipment Co., Chicago.
Pneumelectric Coal Punchers. Pneumelectric Machine Co., Syracuse, N. Y.
Pneumercator Tank Draft and Mercury Gauges. Pneumercator Co., Brooklyn, N. Y.
Pneuoxym Pneumatic Tool Lubricants. O. F. Zurn Co., Philadelphia.
Pneu-Vent Air Valves. Pierce, Butler & Pierce Mfg. Corp., New York.
Poage Float Valves, Tank Valves and Tank Fixtures. The American Valve & Meter Co., Cincinnati, O.
Poage Telescopic Penstocks (Water Columns). Higgins & Co., Chicago.
Poage Water Columns, Standpipes, Locomotive Water Cranes. American Valve & Meter Co., Cincinnati, O.
Pocahontas Coke. Flat-Top Fuel Co., Bluefield, W. Va.
Pocahontas Steam Hose and Sheet Packing. O. C. Keckley Co., Chicago.
Poco Printers' Proof Presses. Premier & Potter Printing Press Mfg. Co., Shelton, Conn.
Pocomoke Rubber Hose. Electric Hose & Rubber Co., Wilmington, Del.
Pocono Stoves. Pittston Stove Co., Pittston, Pa.
Poderoso Sugar Cane Mills. C. S. Bell Co., Hillsboro, Ohio.
Pogue Apple Box Lidding Press. Cutler Mfg. Co., Portland, Ore.
Poidometer. The Schaffer Engineering & Equipt. Co., Pittsburgh, Pa.
Pointer Lubricators. Wm. Powell Co., Cincinnati, O.
Pointer Mechanical Pencils. Eagle Pencil Co., New York.
Pointer Oil Cups. Wm. Powell Co., Cincinnati.
Pointer Range Boilers. Haines, Jones & Cadbury Co., Philadelphia.
Point-O-Graph Copy Holder. Point-O-Graph Co., Wilmington, Del.
Polack Rubber Tires. Polack Tyre & Rubber Co., New York.
Polar Belt Dressing. Geo. W. Southwick Co., Stamford, Conn.
Polar Brand Cuspidors, Fry Pans and Kitchen Enameled Ware. Porcelain Enameling Assn. of America, Sheboygan, Wis.
Polar Brand Naphthalene Flakes and Moth Balls. Barrett Co., New York.
Polar Cub Electric Motors; Fans; Heaters; Transformers; Vibrators, Etc. A. C. Gilbert, New Haven, Conn.
Polar Enamel. The Tropical Paint & Oil Co., Cleveland, O.
Polar Glass Desk Pads and Lineoleum Desk Pads. Polar Mfg. Co., Philadelphia, Pa.
Polar Hose. The Diamond Rubber Co., Inc., Akron, O.
Polar Paints. American Insulating Co., Alexandria, Ind.
Polar Pneumatic Tool Oil. Standard Oil Co., Chicago.
Polar Refrigerators. Heinz & Munschauer, Buffalo.
Polaralite Electric Signs. I. P. Frink, Inc., New York.
Polarine Lubricants. Standard Oil Co., Chicago.
Polarine Lubricating Oils & Greases. Standard Oil Co. of N. J., New York.
Polaris Oil and Grease Cups. Wm. Powell Co., Cincinnati.
Polarstil Water Stills. Jewell Polar Co., Chicago.
Polishem Automobile, Floor and Furniture Polish. Ensign Refining Co., Cleveland, O.
Polk System Circular Concrete Forms. Polk-Genung-Polk Company, Fort Branch, Ind.
Pol-O-Creme Cleaner and Polish. Geo. E. Wightman Co., Portland, Ore.
Polipex Polish. Pex Products Co., Buffalo, N. Y.
Polished Monel. Apollo Metal Works Institute, La Salle, Ill.
Polished Zinc. Apollo Metal Works Institute, La Salle, Ill.
Polishine Metal Polish. Cleaner Mfg. Co., St. Louis, Mo.
Poller Scientific Instruments. The Union Selling Co., Cincinnati.
Polly Prim Mops. H. G. Saal Co., Chicago.
Pollywog Scrubbing Brushes. Standard Brush Co., New Hartford, Conn.
Polo Harness Snaps. Covert Mfg. Co., Troy, N. Y.
Polson Auxiliary Automobile Seats. Polson Mfg. Co., Buffalo, N. Y.
Polygon Concrete Mixers, Gasoline Hoists. Construction Machy. Co., Waterloo, Ia.
Polyopse Lens. Williams, Brown & Earle, Inc., Philadelphia, Pa.
Polytone Printing Plates. The Polytone Company, Los Angeles, Calif.
Pomeroy Fire-proof Window. S. H. Pomeroy Co., New York.
Pomeroy Manifolds. Pomeroy Electric Co., Rochester, N. Y.
Pometus Cotton Rubber Lined Fire Hose. Quaker City Rubber Co., Philadelphia.
Pometus Hose. Quaker City Rubber Co., Philadelphia, Pa.
Pomham Rubber Hose. National India Rubber Co., Bristol, R. I.
Pomlac Fuel Powdered Gasoline. Winona Oil Co., Winona, Miss.
Pomona Barrel Spray Pumps. Goulds Mfg. Co., Seneca Falls, N. Y.
Pomona Deep Well Pumps. United Iron Wks., Kansas City, Mo.
Pomona Pumps. Goulds Mfg. Co., Seneca Falls, N. Y.
Pomona Spray Hose. Quaker City Rubber Co., Philadelphia.
Pompeiian Bronze Screen Cloth. Wickwire-Spencer Steel Corp., New York.
Pompton Carbon Tool Steel. Ludlum Steel Co., Watervliet, N. Y.
Pompton High Carbon Steel. Ludlum Steel Co., Watervliet, N. Y.
Pondalloy Auto Pistons. Pondelick Piston Ring Co., Chicago.
Pondelick's Piston Rings. Pondelick Piston Ring Co., Chicago.
Pond Continuous Steel Sash, Operating Devices. David Lupton's Sons Co., Philadelphia.
Pond Turret Lathes. Niles-Bement-Pond Co., New York.
Pondalloy Engine Pistons. Pondelick Bros., Chicago.
Ponemah Belt Dressing. Ulmer Leather Co., Norwich, Conn.
Ponolith Lithopone. Heller & Merz Co., New York.
Ponolith, The Highest Grade Lithophone. The Krebs Pigment & Chemical Co., Newport, Del.
Pontar Road, Refined and Dehydrated Tar. Du Pont Chemical Works, Wilmington, Del.
Pontiac Cotton Sheetings. B. B. & R. Knight Inc., Providence, R. I.
Pontiac Rubber Hose. National India Rubber Co., Bristol, R. I.
Pontius Pure Sealing Wax. Dicks-Pontius Co., Dayton, Ohio.
Pontop Top and Curtain Material. E. I. du Pont de Nemours & Co., Inc., Fabrikoid Div., Newburgh, N. Y.
Pony Car and Ballast Box. American Trackbarrow Co., Lowell, Mass.
Pony Clamp Screws and Cabinet Clamps. Adjustable Clamp Co., Chicago.
Pony Disk Plows. International Harvester Company of America, Inc., Chicago.
Pony Feed Cutters. Silver Mfg. Co., Salem, Ohio.
Pony Hand Riveters. F. H. Smith Co., Chicago.
Pony Horse Lawn Mowers. Phila. Lawn Mower Co., Philadelphia.
Pony Track Barrows. American Track Barrow Co., Lowell, Mass.
Poole Flexible Fire Tube Cleaner. The Poole Mfg. Co., Louisville, Ky.
Poole Gears. Poole Engineering & Machine Co., Baltimore, Md.
Pooney Typewriter Eraser. Pittsburgh Typewriter & Supply Co., Pittsburgh, Pa.
Poor Man's Friend Incubators and Brooders. Geo. Ertel Co., Quincy, Ill.
Pope Brushing Engine. Norwood Engineering Co., Florence, Mass.
Pope's Farriers' Knives. T. J. Pope, Saugoit, N. Y.
Pope's (Holland) Lamps. Duhrssen & Pfaltz. Inc., New York.
Popp Taximeters. Am. Taximeter Co., New York.
Poppy Brand Enameled Bath and Lavatory Supplies. Whiting-Mead Pottery Co., Los Angeles.
Poppy Rubber Hose. Pioneer Rubber Mills, San Francisco.
Popular Cobblers' Outfits. Fate-Root-Heath Co., Plymouth, Ohio.
Popular Glue Heater. Francis, Rushville, Ind.
Popular Ladders. J. B. Patterson Co., Oakland, Cal.
Popular Oil and Grease Cups. Wm. Powell Co., Cincinnati.
Popular Rubber Hose. W. H. Salisbury & Co., Inc., Chicago.
Popular Snow Shovels. B. W. Aldrich & Co., Wallingford, Vt.
Porce-Namel Kitchen Tables. Mutschler Brothers Co., Nappanee, Ind.
Porcelain Enameled Blotting Paper. Wrenn Paper Co., Middletown, O.
Porcelain Enamel Paint. Rinald Bros., Philadelphia, Pa.
Porcelain-Minute Switch Boxes. Electrical Porcelain Works, Berkeley, Cal.
Porcelava Insulating Material. Burgess & Co., East Liverpool, Ohio.
Porceliron Table Tops, Refrigerator Linings, **Parts for Ranges. Ingram Richardson Mfg. Co., Beaver Falls, Pa.**
Porcelite Closet Seats. Wm. Heap & Sons, Grand Haven, Mich.
Porcelite Enamels. Thompson Wood Finishing Co., Philadelphia, Pa.
Porceloid Closet Seats. Sanitary Specialty Co., Philadelphia.
Porceloid White Closet Seats. Cooper Sanitary Mfg. Co., Philadelphia.
Porcupine Alfalfa Harrows. Rock Island Plow Co., Rock Island, Ill.
Porcupine Calf Weaners. Purcell Co., Kansas City, Mo.
Porcupine Road Scarifiers. Universal Road Machinery Co., Kingston, N. Y.
Porcupine Scarifiers. Universal Road Machy Co., Kingston, N. Y.
Porete Roofing Slabs. Porete Mfg. Co., Newark, N. J.
Porpoise Brand Cup Leathers. Eastern Machy. & Equipment Co., Philadelphia, Pa.
Porpoise Leather Belting. National Leather Belting Co., New York; Kelly-Lineham Belting Co., San Francisco, Calif.
Porpoise Waterproof Leather Belting. Kelly-Linehan Belting Co., San Francisco.

Porslyn Brushes. Alpha Brush Co., Troy, N. Y.
Port Switch Stands High and Low for Three Throw Split Switch. Pettibone Mulliken Co., Chicago.
Porta Scoop Conveyor; Skid Lift; Storage Truck. Portable Machinery Co., Passaic, N. J.
Portabelt Portable Belt Conveyor. Standard Conveyor Co., N. St. Paul.
Portable Electric and Hand Power Die Sinkers Outfits. Coates Clipper Mfg. Co., Worcester, Mass.
Portable Power Scraper. Sauerman Bros., Chicago.
Portable Sidewalk Magazines. Hercules Powder Co., Wilmington, Del.
Portable Steel Garages. Defiance Box Co., Defiance, O.
Portable Watchman's Clocks. Morse Magneto Clock Co., New York; American Watchman's Time Detector Co., New York.
Portage Belt; Hose; Valves. The Diamond Rubber Co., Inc., Akron, Ohio.
Portage Steel Molding Sands and Sand Blast Sands. Portage Silica Co., Youngstown, O.
Porteous Graphite Babbitt Metals. Edna Brass Mfg. Co., Cincinnati, O.
Porter Barn Door Hangers, Hay Carriers, Hay Fork Pulleys, Never-Slip Wagon Jacks. J. E. Porter Co., Ottawa, Ill.
Porter Battery Motors. Davis Kendrick Co., Lebanon, N. H.
Porter Belt Clamps. Hoggson & Pettis Mfg. Co., New Haven, Conn.
Porter Bolt Clippers. H K Porter, Everett, Mass.
Porter-Cable Universal High Speed Milling Attachments. The Porter-Cable Machine Co., Syracuse, N. Y.
Porter Car Derailers. Cleveland Frog & Crossing Co., Cleveland, O.
Porter Carriage Axles. Lee & Porter, Buchanan, Mich.
Porter Cutter Heads, Pattern Maker's Lathes and Buzz Planing Machines. C. O. Porter Machinery Co., Grand Rapids, Mich.
Porter Door and Screen Hangers. J. E. Porter Corp., Ottawa, Ill.
Porter "Keeps-Kleen" Spark Plugs. Porter Spark Plug Co., Chicago.
Porter Locomotives. H K. Porter Co., Pittsburgh, Pa.
Porter Metal Frame Window Screens. Continental Co., Detroit.
Porter-National Paving Blocks. Globe Brick Co., East Liverpool, O.
Porter Rounder or Router. Wayne Machinery Co., Ft. Wayne, Ind.
Porter Routering Cutters. C. O. Porter Mach. Co., Grand Rapids, Mich.
Porter Safety Seals. Porter Safety Seal Co., Chicago.
Porter's Shoe Rest. Nicol & Co., Chicago.
Port Huron Road Scarifiers, Traction Engines. Port Huron Engine & Thresher Co., Port Huron, Mich.
Portland Automobile Turntables. Portland Garage Co., Portland, Me.
Portland Case Hardening Compounds. Rogers & Hubbard Co., Middletown, Conn.
Portland Drinking Fountains. Crane Co., Chicago.
Portland Filters. Colorado Iron Works Co. Denver, Colo.
Portland Paper Punching Machinery. Southworth Machine Co., Portland, Me.
Portland Safety Cargo Hooks. Thos. Laughlin Co., Portland, Me.
Portland Slime Filters and Filter Presses. Colorado Iron Works Co., Denver, Colo.
Portland Wood Pipe. Portland Wood Pipe Co., Portland, Ore.
Porto Metallic Garages. Milwaukee Corrugating Co., Milwaukee, Wis.
Portophone Talking Machines. Thomas Mfg. Co., Dayton, O.
Portostat Storage Battery Test Sets. Forest Electric Co., Inc., Newark, N. J.
Portsmouth Iron. Whitaker-Glessner Co., Portsmouth, O.
Positive Automatic Ventilators. J. D. Gerken Co., Toledo, O.
Positive Barn Door Latches. Frantz Mfg. Co., Sterling, Ill.
Positive Candle Lubricators. Wm. J. Faul Co., New York.
Positive Chain Drive. Max Arms Machine Co., Bridgeport, Conn.
Positive Concrete Mixers. Jeager Machine Co., Columbus, O.
Positive Drive Drill Chucks. Skinner Chuck Co., New Britain, Conn.
Positive Expansion Bolts. A. C. Seaman, Philadelphia, Pa.
Positive Grease Cups. Lunkenheimer Co., Cincinnati, O.
Positive Leather Belting. National Leather Belting Co., New York.
Positive Lock Washers, Nut-Locks. Positive Lock Washer Co., Newark, N. J.
Positive Rail Anchors, Rail Braces, Tie Plates, Guard Rails, Guard Rail Holders and Slide Plates. Positive Rail Anchor Co., Marion, Ind.
Positive Tire Vulcanizers. Midland Supply Co., Davenport, Ia.
Positive Transmission Lock. H-R Manufacturng Co., Chicago.
Postage Reducer Envelopes. Chicago Envelope Co., Chicago.
Postindex Visible Files. Postindex Co., Inc., Boston.
Post's Blue Print Paper and Drawing Materials. Frederick Post Co., Chicago.
Post's Sap Spouts. Wilcox, Crittenden & Co., Inc., Middletown, Conn.
Post's Valve Discs. E. L. Post & Co., New York.
Post's Zero Babbitt Metal. E. L. Post & Co., New York.
Poston Upholstered Furniture. The B. C. Poston Mfg. Co.,Chillicothe,O.
Postop Ball Bearing Jacks. The Buda Co., Chicago.
Potential Transformers. Western Electric Co., New York.
Potlicker Oil Rings. McQuay-Norris Mfg. Co., St. Louis, Mo.
Potomac Reclaimed Rubber. Nearpara Rubber Co., Trenton, N. J.
Potomac A Reclaimed Rubber. Nearpara Rubber Co., Trenton, N. J.
Potter Basting Spoons, Cake Turners, Mincing Knives. Potter Mfg. Co., Geneva, O.
Potter Belt Fasteners. Jewell Belt Hook Co., Hartford, Conn.
Potter Printers' Proof Presses. Premier & Potter Printing Press Mfg. Co., Shelton, Conn.
Potter Proof Press. Hacker Mfg. Co., Chicago.
Potter-Winslow Battery Volts, Chutes, Containers, and Pipe Carrier Foundations. Potter-Winslow Co., Chicago.
Pottery Brick and Tile. M. Mufflin Hood Brick Co., Atlanta, Ga.
Potts Cellar Doors. Potts Mfg. Co., Mechanicsburg, Pa.
Potts Sad Irons. Am. Foundry & Mfg. Co., St. Louis.
Pottstown Corn Shellers. Ellis Keystone Agricultural Works, Pottstown, Pa.
Pouch Cigarette Packing Machines. American Machine & Foundry Co., Brooklyn, N. Y.
Povasco Steering Wheels. Pouvailsmith Corp., Poughkeepsie, N. Y.
Powdrpaint. Rice, Inc., A. L. Adams, N. Y.
Powell Blow-Off, Butterfly and Hydraulic Valves, Blow-Guns, Brass Oil Cups, Oil Gauges, Valve Reseating Tools, Wrenches. Wm. Powell Co., Cincinnati.
Powell Injectors and Valves. Wm. Powell Co., Cincinnati, O.
Powell Miners Squibs. John R. Powell, Plymouth, Pa.
Powell Mufflers. Powell Muffler Co., Utica, N. Y.
Powell Oilers Chicago Engineer Supply Co., Chicago.
Powell Patent Guard Steam Cocks. Wm. Powell Co., Cincinnati, O.
Powell Squibs. E. I. du Pont de Nemours & Co., Inc., Explosives and Smokeless Powder Depts., Wilmington, Del.
Powell White Star Valves. Wm. Powell Co., Cincinnati, O.
Power Babbitt Metal. Magnolia Metal Co., New York.
Power Ballast Screen. The Maintenance Equipment Co., Chicago.
Power Bearing Metal. Magnolia Metal Co., New York.
Power Belting, Packing. Voorhees Rubber Mfg. Co., Jersey City, N. J.
Power Dry Batteries. Union Battery Co., Belleville, N. J.
Power Feed Mills. C. S. Bell, Hillsboro, O.
Power Fruit and Vegetable Parers. Goodell Co., Antrim, N. H.
Power-Glue Pulley Covering. The Power-Glue Mfg. Co., Chicago.
Power King Piston Rings. Double Eccentric Piston Ring Corp., St. Louis, Mo.
Power Leather Belting. J. E. Rhoads & Sons, Philadelphia, Pa.
Power Motor Trucks. Power Truck & Tractor Co., St. Louis.
Power of Niagara Gasoline Marine Engines. Dunkirk, N. Y.
Power Turbo-Blowers and Turbines. Power Turbo Blower Co., New York.
Powers Arc Light Cut-Outs. Troy Electrical Co., Troy, N. Y.
Powers Drilling Machines. Lisle Mfg. Co., Clarinda, Ia.
Powers Mitering and Cutting Machines for Painters. Triumph Mfg. Co., Kansas City, Mo.
Powers Regulators, Valves, Traps, Etc. The Powers Regulator Co., Chicago.
Powers Revolving Chimney Tops. Williams Hardware Co., Streator, Ill.
Powers Rubber Horse Shoes. Powers Rubber Horseshoe Co., Chicago.
Powers Transmission Linings. Powers Mfg. Co., Waterloo, Ia.
Powerful Oil Well Belting. Republic Rubber Co., Youngstown, O.
Powerlete Conduit Fittings. Multi Electrical Mfg. Co., Chicago.
Powerox Industrial Tractor. Barrett-Cravens Co., Chicago.
Powertown Cord Tires. Powertown Tire Corp., Rochester, N. Y.
Powhatan Stick Belt Dressing. Smith-Courtney Co., Richmond, Va.
Powminco Asbestos Fibre. Powhatan Mining Co., Baltimore, Md.
Pow-R-Full Motors. Wagner Electric Mfg. Co., St. Louis, Mo.
Powrlok Differentials. Powrlok Co., Cleveland, O.
Pract-El-Lite Lanterns. Central Telephone & Elec. Co.. St. Louis. Mo.
Practical Cobblers' Outfits. Fate-Root-Heath Co., Plymouth, Ohio.
Practical Drinking Fountains. Glauber Brass Mfg. Co., Cleveland.
Practical Jacks. Oliver-Barth Jack Co., Milwaukee.
Practical Kitchen Sets. American Cutlery Co., Chicago.
Practical Sight Feed Oil Pumps. McCullough Mfg. Co., Minneapolis, Minn.
Practi-Lite Electric Desk Lights. Waterbury Metal Wares Co., Waterbury, Conn.
Prahm Railway Signal Flags. Handlan-Buck Mfg. Co., St. Louis. Mo.
Prairie Clover Bunchers. American Buncher Mfg. Co., Indianapolis.
Prairie Queen Hay Carriers. J. E. Porter Co., Ottawa, Ill.
Prairy Agricultural Suction Hose. Quaker City Rubber Co., Phila.
Prasco Swinging Hose Racks. Plant Rubber & Asbestos Works, San Francisco.
Pratt and Cady Brass and Iron Valves and A. P. Cocks. Reading Steel Casting Co., Inc., Bridgeport, Conn.
Pratt & Whitney Precision Machines and Machine Tools. Niles-Bement-Pond Co., New York.
Pratt & Whitney Thread Gauges. Pratt & Whitney Co., Hartford, Conn.
Pratt Belt Shifter. Chandler & Farquhar Co., Boston, Mass.
Pratt Box Car Loader and Railway Ballast Cleaner. Link-Belt Company, Chicago.
Pratt-Cady Valves, Steam Trap. Pratt & Cady Co., Inc., Hartford, Conn.
Pratt's Cone Belt Shifter. Chandler & Farquhar Co., Boston, Mass.
Pratt Cotton Ginning Machinery. Continental Gin Co.,Birmingham,Ala.
Pratt-Dumas Filter Paper. E. Fougera & Co., New York.
Pratt Plow Clevises and Husking Pins. Wm. E. Pratt Mfg. Co., Chicago. Chicago.
Pratt Rotex Air Pumps. C. H. Wheeler Mfg. Co., Philadelphia.
Pratt Steam Traps. Pratt & Cady Co., Hartford, Conn.
Pratt Vacuum Pumps. C. H. Wheeler Mfg. Co., Philadelphia.
Pratt's Handy Harness Hooks. Wm. E. Pratt Mfg. Co., Chicago.
Precast Cement Floor Tile. Federal Cement Tile Co., Chicago.
Precious Pen and Pencil Clips. L. D. Van Valkenburg Co., Holyoke, Mass.
Precise Levels. Bausch & Lomb Optical Co., Rochester, N. Y.
Precision Bench Lathe. Stark Tool Co., Waltham, Mass.
Precision Boring, Drilling and Milling Machines. Lucas Machine Tool Co., Cleveland, O.
Precision Cast Die Castings. Precision Casting Co., Inc., Syracuse, N.Y.
Precision Coil Presses, Armature and Field Coil Winding Machines. Oliver Electric & Mfg. Co., St. Louis.
Precision Engineering Instruments. Precision Factory, Denver, Colo.
Precision Oil Cups. Precision Metal Workers, Chicago.
Precision Piston Rings. Kauffman Metal Products Co., Bellefontaine, O.; American Metal Parts Co., Boston.
Precision Power Reverse Gear. Franklin Railway Supply Co., New York.
Precision Silent Timing Gears. Perfection Gear Co., Chicago.
Precise Lever-Balance Letter Scale. Defiance Mfg. Co., New York.
Premax Hame Chains, Key Chains and Other Chains, Special Dog Couplers. Niagara Falls Metal Stamping Wks., Niagara Falls, N.Y.
Premax Steel Chains. Niagara Metal Stamping Corp., Niagara Falls, N. Y.
Premier Annunciators. Stanley & Patterson, New York.
Premier Automobiles. Premier Motor Corp., Indianapolis, Ind.
Premier Canners Machinery and Equipment. Premier Machinery Co., San Francisco, Cal.
Premier Car Seals. Dickey Mfg. Co., Indiana Harbor, Ind.
Premier Chrome Carbon. United Alloy Steel Corp., Canton, O.
Premier Cobblers' Outfits. Fate-Root-Heath Co., Plymouth, O.
Premier Coffee and Spice Mills. Wrightsville Hardware Co., Wrightsville, Pa.
Premier Convertible Folding Invalid and Reclining Chairs. Premier Chair Corp., Boston.
Premier Curtain Fasteners. Crandal, Stone Division, The Brewer-Titchener Corp., Binghamton, N. Y.
Premier Cutting Lubricants. D. A. Stuart & Co., Inc., Chicago.
Premier Duplex Electric Vacuum Cleaners. Electric Vacuum Cleaner Co., Cleveland.
Premier Electric Bells. Manhattan Electrical Supply Co., New York.
Premier Floor Hinges. Chicago Spring Hinge Co., Chicago.
Premier Garden Hose. W. D. Allen Mfg. Co., Chicago.
Premier Hose. U. S. Rubber Co., New York.
Premier Inserted Tooth Saws. Henry Disston & Sons, Philadelphia.
Premier Kerosene Lamp Burners. Wheeling Stamping Co., Wheeling, W. Va.
Premier Lavatories and Fittings. Sanitas Mfg. Co., Boston.
Premier Lawn Mowers. S. P. Townsend & Co., Orange, N. J.
Premier Lawn Swings. Western Paper & Mfg. Co., Dayton, O.
Premier Leather Belting. McLean Mfg. Corp., New York.
Premier Lubricators. Lunkenheimer Co., Cincinnati, O.
Premier Nickel Chrome Wire. Alloy Metal Wire Co., New York.
Premier Numbering Machines. R. A. Stewart & Co., New York.
Premier Pipe and Pipeless Heaters. Premier Warm Air Heater Co., Dowagiac, Mich.
Premier Piston Packing. Mulconroy Co., Philadelphia, Pa.

Premier Radio Parts. Premier Electric Co., Chicago.
Premier Screw Drivers. The Washburn Company, Chicago (Cassady-Fairbank) Division, Chicago; Cassady, Fairbank Mfg. Co., Chgo.
Premier Screw Pitch Gauges, Spring Calipers and Dividers. Athol Mach. & Foundry Co., Athol, Mass.
Premier Self-Locking Car Seals. Dickey Mfg. Co., Indiana Harbor, Ind.
Premier Spring Hinges. Chicago Spring Hinge Co., Chicago.
Premier Sleeve Wire Connectors. Bryant Zinc Co., Chicago.
Premier Trolley Clamps. The Ohio Brass Co., Mansfield, O.
Premier Universal Tool and Cutter Grinder. Simmons Machine Co., Albany, N. Y.
Premier Vacuum Cleaner. Electric Vacuum Cleaner Co., Inc.,
Premier Walking and Riding Cultivators. Kingman Plow Co., Peoria, Ill.
Premier Wire Cloth. Wickwire Bros., Cortland, N. Y.
Premier Wire Connectors (Sleeve). Bryant Zinc Co., Chicago.
Premium Card and Paper Cutters. American Specialty Co., Bridgeport, Conn.
Premium Dustless Crayon. Beckley-Cardy Co., Chicago.
Premium Grease Tallow. Consolidated Rendering Co., Boston.
Premium Lead Pencils. American Lead Pencil Co., New York.
Premium Oil and Grease Cups. H. B. Sherman Mfg. Co., Battle Creek, Mich.
Premium Road Machines and Graders. Galion Iron Works & Mfg. Co., Galion, O.
Premium Whiffletree Hooks. Giblin & Co., Utica, N. Y.
Premo Cameras. Eastman Kodak Co., Rochester, N. Y.
Premo Eclipse Gas Range. The Tappan Stove Co., Mansfield, O.
Premo Hot Water and Steam Radiators. National Radiator Co., Johnstown, Pa.
Premo Gas Stoves. Eclipse Stove Co., Mansfield, O.
Premo Lavatories. Crane Co., Chicago.
Premocar Automobiles. Preston Motors Co., Birmingham, Ala.
Premo Link Chains. Oneida Chain Co., Oneida, N. Y.
Premo Transmission Cover Flanges, Transmission Band Clamps. New York Car Device Co., New York.
Prentice Anti-Rail Creepers. Cleveland Frog & Cross'g Co., Cleveland.
Prentice Lathes. Reed-Prentice Co., Worcester, Mass.
Prentice Milling Machines. Reed-Prentice Co., Worcester, Mass.
Prentice Wood Bits. Union Twist Drill Co., Athol, Mass.
Prentiss Vises. Prentiss Vise Co., New York.
Preparedness Snow Guards. Danzer Metal Works, Hagerstown, Md
Prescott Menominee Pumps. Prescott Co., The, Menominee, Mich.
Prescott Plasters' Steel Corner Beads. J. B. Prescott & Son, Webster, Mass.
Preservabrush Liquid. James B. Sipe & Co., Bridgeville, Pa.
Preservo Compound for Canvas. Robson Preservo Co., Port Huron, Mich.
Preservo Waterproofing Materials. Robeson Preservo Products Co., Port Huron, Mich.
President Carbonators. S. Twitchell Co., Philadelphia.
Pressto Sheepskin Discs and Wheels. Yorkville Mfg. Co., Inc., Brooklyn, N. Y.
Pressure Proof Packing. A. W. Chesterton Co., Boston.
Pressurite Automobile Gauges. Improved Gauge Mfg. Co., Syracuse, N. Y.
Pressurite Pressure Gauges. Scheidel-Western X-Ray Co., Chicago.
Pressweld Radiators. American Pressweld Radiator Corp., Detroit, Mich.
Presteel Automobile Frames. Detroit Pressed Steel Co., Detroit.
Presteel Brake Drums. Worcester Pressed Steel Co., Worcester, Mass.
Presteel Drums (Steel). The Petroleum Iron Works Co., Sharon, Pa.
Presteel Pressed Steel Distribution Specialities. Hubbard & Co., Pittsburgh, Pa.
Presteel Stairways. Woodbridge Ornamental Iron Co., Chcago.
Prestel Waste Paper Bailing Presses. Midland Supply Co., Davenport, Ia.
Presto Automobile Engine Starters. W. Roberson Machine & Foundry Co., Buffalo, N. Y.
Prest-O Carbon Removers. Presto-O-Lite Co., New York.
Presto Carriage Top Dressing. Fiebling Chemical Co., Milwaukee.
Presto Cigar Lighters, Electric Battery Hand Lamps. Metal Specialties Mfg. Co., Chicago.
Presto Coasting Sleds. Kalamazoo Sled Co., Kalamazoo, Mich.
Presto Coloring Material. Western Mfg. Co., Cudahy, Wis.
Presto Dash Lamps, Electric Connectors, Sockets, Plugs, Switches, Cigar Lighters, Inspection Lamps, Body Braces, Electric Heaters for Autos, also Bicycle Lamps, Electric Hand Lamps, Alweather Protectors, Stop Signals, Storm and Glare Visors for Autos, Smoking Sets. Metal Spec. Mfg. Co., Chicago.
Presto Drill and Tapping Chucks and Twist Drill Collete. Whitney Mfg. Co., Hartford, Conn.
Presto Electric Cooking and Heating Apparatus. Presto Elec. Co., Inc., San Francisco.
Presto Fire Extinguishers. Knight & Thomas, Inc., Boston, Mass.
Presto-Granite Concrete Finish. Presto-Granite Products Co., Indianapolis, Ind.
Prest-O-Grip Traction Chain Equipment. Rowe Calk & Chain Co., Plantsville, Conn.
Prest-O-Lite (Dissolved Acetylene) Welding and Cutting Apparatus, Storage Batteries, Pressure Regulators, Tanks, Burners, Etc. The Prest-O-Lite Co., New York.
Prest-O-Lite Storage Batteries. Prest-O-Lite Co., Inc., Indianapolis, Ind.
Prest-O-Paint Burner for Removing Paint. The Prest-O-Lite Co., Inc., New York.
Presto Paper Clips. Anthony Eisler & Co., New York.
Presto Pipe Cleaner; Bowl Cleaner; Tile and Porcelain Cleaner; Water Softener; Dry Cleaner; Skylight Cleaner. Chamberlain-Haber Chemical Co., Cleveland, O.
Prest-O-Pocket Stove for Campers. The Prest-O-Lite Co., Inc., New York.
Presto Point Pencils. L. F. Grammes & Sons, Inc., Allentown, Pa.
Presto Radiators. Pressed Metal Radiator Co., Pittsburgh, Pa.
Presto Razor Strop Hooks. C. A. Peck Hdwe. Co., Berlin, Wis.
Presto Sheepskin Wheels. Yorkville Mfg. Co., Inc., Brooklyn.
Presto Soder. L. B. Allen Co., Inc., Chicago.
Prest-O-Soldering Iron for Soldering. The Prest-O-Lite Co., Inc., New York.
Prest-O-Torch for Brazing and Soldering, Etc. The Prest-O-Lite Co., Inc., New York.
Presto Transformer Covering Radiators. Pressed Metal Radiator Co., Pittsburgh, Pa.
Presto-Up Garages. Harris Bros. Co., Chicago.
Presto-up Portable Houses. Harris Brothers Co., Chicago.
Prest-O-Welder. Prest-O-Lite Co., (Inc.), Indianapolis, Ind.
Presto Woodworkers' Vises. Emmert Mfg. Co., Waynesboro, Pa.
Prestometer A Liquid Gauge. Coats Mach. Tool Co., New York.
Prestometer Measuring Gauge. Coats Machine Tool Co., Inc., New York.
Preston Automobiles. Preston Motors Corp., Birmingham, Ala.
Preston Lawn Sprinklers. W. D. Allen Mfg. Co., Chicago.
Prestone Automobile Anti-Freeze Mixture. Carbide & Carbon Chemicals Corp., New York.
Preston's Carpete Beaters. Hollow Cable Mfg. Co., Hornell, N. Y.
Prestoshine Metal Polish. W. S. Sheppard, Newark, N. J.
Presto-Soder Soldering Flux. L. B. Allen Co., Inc., Chicago.
Prestwich Fluid Gauges. Coats Machine Tool Co., Inc., New York.
Presurtite Composition. Abingdon Presurtite Mfg. Co., Abingdon, Ill.
Pribnow Saw Swages. Pribnow Swage & Tool Works, Mellen, Wis.
Pribnow Swages, Shapers and Metal Band Saw Machines. E. C. Atkins & Co., Indianapolis, Ind.
Price Card Holder. John A. Roebling's Sons Co., Trenton, N. J.
Price Current Meters. W. & L. E. Gurley, Troy, N. Y.
Price Foreproofing Compounds, Waterproofing Materials. Price Fire & Waterproofing Co., Poughkeepsie, N. Y.
Price-Rathbun Stationary Marine Oil Engines. Rathbun-Jones Engng. Co., Toledo, O.
Pride of St. Louis Farm Wagons. Linstroth Wagon Co., St. Louis.
Pride of the Bar Metal Polish. J. C. Paul & Co., Chicago.
Pride of the Hills Meat. Rapid City Packing Co., Rapid City, S. D.
Pride Standard Nut Crackers and Picks. Cassady, Fairbank Mfg. Co., Chicago.
Pridmore Molding Machines. Henry E. Pridmore, Chicago, Ill.
Prier Basin Cocks, Roof Flashings. Prier Brass Mfg. Co., Kansas City, Mo.
Priester Fabric Laying Machine. Schoder & Lombard Die Co., New York.
Priestman Sewage Ejectors. Albert Priestman, Philadelphia.
Priest's Horse Clippers, Sheep Shearing Machines. American Shearer Mfg. Co., Nashua, N. H.
Prim Press Laundry Machy. American Laundry Machy. Co., Cincinnati.
Prima Electric Clothes Washing Machines. Buckeye Churn Co., Sidney, O.
Prima Leather Belting. Philadelphia Belting Co., Philadelphia, Pa.
Prima Power Churns. Buckeye Churn Co., Sidney, O.
Prime Natural Color Waste. Estes Mills, Fall River, Mass.
Prime-Rite Paint. Detroit Graphite Co., Detroit, Mich.
Prime Western Slab Zinc (Nassau Brand). The New Jersey Zinc Co., New York.
Prime Western Spelters. American Smelting & Refining Co., Cincinnati; New Jersey Zinc Co., New York; United Zinc Smelting Corporation, New York.
Primm Oil Engines. The Power Mfg. Co., Lima, O.
Primo Belt Dressing and Belt Cements. Druid Oak Belting Co., Baltimore.
Primo Blue Print Paper. Frederick Post Co., Chicago.
Primo Gasoline Lighting Systems. Primo Light & Mfg. Co., St. Louis, Mo.
Primo Grease Cups. The Lunkenheimer Co., Cincinnati, O.
Primo-Sepia-Solar Blue Print Paper. Frederick Post Co., Chicago.
Primoxid Manganese Dioxide. Foote Mineral Co., Inc., Philadelphia.
Primrose Closet Seats. Wm. S. Emery, New York.
Primrose Cream Separators. International Harvester Company of America, Inc., Chicago.
Primrose Garden Trowels. N. Y. Stamping Co., Brooklyn, N. Y.
Primrose Lawn Mowers. Chadborn & Coldwell Mfg. Co., Newburgh, N. Y.
Primus Card Tables. E. T. Burrowes Co., Portland, Me.
Primus Lubricating Oils and Greases. Penn. Petroleum & Supply Co., Philadelphia, Pa.
Primus White Cotton Waste. Massasoit Mfg. Co., Fall River, Mass.
Prince Clothes Washing Machines. Reading Wood Pulley Co., Reading, Pa.
Prince Floor Paints. Jas. H. Prince Paint Co., Boston, Mass.
Prince Fly Swatters. U. S. Wire Mat Co., Decatur, Ill.
Princely Water Closets. Jas. Barrett Mfg. Co., Boston, Mass.
Prince's Mineral Brown. Prince Mfg. Co., Bowmanstown, Pa.
Princess Artificial Stone Laundry Tubs. Chicago Granitine Mfg. Co., Chicago.
Princess Automobiles. Princess Motor Car Corp., Detroit, Mich.
Princess Blotting Paper. Richmond Paper Mfg. Co., Richmond, Va.
Princess Carpet Sweepers. Bissell Carpet Sweepter Co., Grand Rapids, Mich.
Princess Cover Paper. C. H. Dexter & Sons, Windsor Locks, Conn.
Princess Electric Sad Irons. Chicago Flexible Shaft Co., Chicago.
Princess Fly Swatters. U. S. Wire Mat Co., Decatur, Ill.
Princess Gasoline Lighting Systems. Allen-Sparkes Gas Light Co., Lansing, Mich.
Princess Hand Vacuum Cleaners. Suction System Cleaning Co., Sidney, O.
Princess Lawn Mower. Mast, Foos & Co., Springfield, O.
Princess Pig Iron. Princess Iron Corp., Glen Wilton, Va.
Princess Radiators. The H. B. Smith Co., Westfield, Mass.
Princess Scythe Snaths. Seymour Mfg. Co., Seymour, Ind.
Princess Steel Ranges. Allen Mfg. Co., Nashville, Tenn.
Princess Vacuum Cleaners. Chas. W. Emery & Sons, Philadelphia.
Princess Stoves. Fox Furnace Co., Elyria, O.
Princess Washing Machines. Princess Wash Mach. Mfg. Co., Cincinnati.
Princess Wall Radiators. H. B. Smith Co., Westfield, Mass.
Princess Water Motor. Princess Wash Mach. Mfg. Co., Cincinnati, O.
Princeton Fire Hose. Gutta Percha & Rubber Mfg. Co., New York.
Prince Sphygmomanometer. Precision Thermometer & Instrument Co. Philadelphia.
Princo Surgical Instruments. Precision Thermometer & Instrument Co., Philadelphia.
Printwell Poster Muslin. Fulton Bag & Cotton Mills, Atlanta, Ga.
Prinz Grain Separators. Prinz & Rau Mfg. Co., Milwaukee.
Priscilla Aluminum Hollow Ware. New England Enameling Co., Middletown, Conn.
Prisco Lanterns, Wash Boilers. Pritchard Stamping Co., Rochester, N. Y.
Prismatic Blotting Paper. Standard Paper Mfg. Co., Richmond, Va.
Prismatic Gauge Glasses. H. A. Rogers Co., New York.
Prison Lavatories. Crane Co., Chicago.
Pristoshine Metal Polish. W. S. Sheppard, Newark, N. J.
Prize Bucket Spray Pumps. Deming Co., Salem, O.
Prize Hair Pickers. Geo. Willcomb Co., Boston.
Prize Ribbon Babbitt. The Cleveland Alloys Co., Cleveland, O.
Prize Walking and Riding Cultivators. Kingman Plow Co., Peoria, Ill.
Prizer Stoves, Ranges & Furnaces. Prizer-Painter Stove Co., Reading,
Proctor China and Clay Dryers. Ceramic Equipment Co., Trenton, N. J.

Proctor Dryers for Asbestos Binder and Leather Board, Asbestos Pipe Covering, Barrel Staves, Brocks, Carpet, Cartridges, Chemicals, Clay Products, Cocoanut, Copra, Fruits, Glue, Hair Rope, Labels on Cans, Leather, Lithopone, Match Sticks, Paint Pigments, Paper, Potato Pulp, Shoe Shanks, Soap, Straw Braid, Straw Hats, Tobacco, Thin Lumber, Tooth Picks, Veneers, Welsbach Mantels, White Lead, Cotton Bleached or Dyed, Cotton Linters, Fur, Hair Wool Rag, Silk Waste, Pulled Wool, Waterproof Canvas, Shrinking and Wool Cloth, Knitted Fabrics, Silk, Toweling, Woolen Tubular Goods, Underwear, Stockings, Half Hose, Woolen Hats and Socks, Cotton Mercerized, Silk, Wool and Worsted Yarns. Proctor & Schwartz, Inc., Philadelphia.

Proctor Dryers. Philadelphia Textile Machinery Co., Philadelphia, Pa.

Productimeter Counting or Measuring Machine. Durant Mfg. Co., Milwaukee, Wis.

Production Grinding and Polishing Machines. Production Mach. Co., Greenfield, Mass.

Production Spotfacers and Surface Milling Cutters. Production Tool Co. of America, Detroit, Mich.

Production Surface Grinder. New Jersey Mach. Exchange, Newark, N.J.

Productograph Production Recorder. Productograph Co., New York.

Prof. Carpenter Gauges. American Schaeffer and Budenberg Corp., Brooklyn, N. Y.

Progress Grease Cups. Wm. Powell Co., Cincinnati.

Progress Ice Cream Freezers. Creamery Package Mfg. Co., Chicago.

Progress Leather Belting. H. N. Cook Belting Co., San Francisco, Cal.

Progress Pencils. Eagle Pencil Company, New York.

Progress Steam Heaters. Thatcher Furnace Co., New York.

Progress Sugar Cane Mills. C. S. Bell Co., Hillsboro, O.

Progress Wire Stitching Machinery. F. P. Rosback Co., Benton Harbor, Mich.

Progressive Bottle Cleaning Machy. Geo. J. Meyer Mfg. Co., Milwaukee.

Progressive Fruit Evaporators and Dehydrators. Rees Blow Pipe Mfg. Co., San Francisco.

Progressive Glue. Progressive Glue Co., New York.

Progressive Machine Screws. Progressive Mfg. Co., Torrington, Conn.

Projecto Telephone Brackets. K. & B. Co., Philadelphia, Pa.

Promet Babbit Metal. Am. Crucible Products Co., Elyria, O.

Prometheus Electric Sterilizers; Plate Warmers; Etc. Prometheus Electric Co., New York.

Pronto Drain Pipe Cleaner. Pacific Chemical Co., Los Angeles.

Pronto Valve Hydraulic Pressure Controlling Valve. R. W. Sparling, Los Angeles.

Proof Coil Chains. United States Chain & Forging Co., Pittsburgh.

Propello Gasoline. Jameson Oil Co., Los Angeles.

Prophylactic Tooth Brushes. Florence Mfg. Co., Florence, Mass.

Prophylactic Penetrator Hair and Military Brushes. Florence Mfg. Co., Florence, Mass.

Propel-Repel-Expel Magazine Pencils. W. A. Scheaffer Pen Co., Fort Madison, Ia.

Prospect Hose. Gutta Percha & Rubber Mfg. Co., New York.

Prosperity Collar Moulding Machines. National Chemical Co., Syracuse, N. Y.

Prosser Patent Steam Engine. Chandler & Taylor Co., Indianapolis.

Prosser Tube Expanders. Thos. Prosser & Son, New York.

Protar Photographic Lenses. Bausch & Lomb Optical Co., Rochester, N. Y.

Protec-Stac Enamel. National Roofing Co., Tonawanda, N. Y.

Protected Rail Bonds. Electric Service Supplies, Philadelphia, Pa.

Protected Rubber Hose. Woven Steel Hose & Rubber Co., Trenton, N. J.

Protection Fire Pots and Torches. Clayton & Lambert Mfg. Co., Detroit, Mich.

Protection Oil Cans. American La France Fire Eng. Co., Elmira, N. Y.; Geo. W. Diener Mfg. Co., Chicago.

Protection Ready Roofing. Asphalt Roof Coating Co., Ltd., New York.

Protection Safety Gasoline Cans. Geo. W. Diener Mfg. Co., Chicago.

Protective Metal Seal. L. F. Grammes & Sons, Inc., Allentown, Pa.

Protective Shipping Case Seals. L. F. Grammes & Sons, Allentown, Pa.

Protecto Boiler Preservative. Standard Chemical Corp., Kalamazoo, Mich.

Protectograph Check Protectors. Todd Protectograph Co., Rochester, N. Y.

Pro-Tec-To-Lac Refinishing Preparation. Western Specialty Mfg. Co., Denver, Colo.

Protector Chemical Fire Engines. Knight & Thomas, Boston.

Protector "O", "H" and "A" Lamp Guards. McGill Mfg. Co., Valparaiso, Ind.

Protector Non-Syphoning Traps. Federal-Huber Co., Chicago.

Protector Revolvers. Ames Sword Co., Chicopee, Mass.

Protector Trackwalker's Lanterns. R. E. Dietz Co., New York.

Protectorine. Zibell Damp-Resisting Paint Co., New York.

Protectus Case Lining. Coy, Hunt & Company, New York.

Protex Burlap. Cleveland-Akron Bag Co., Cleveland.

Protex Dripless Sink Strainers. Republic Metalware Co., Buffalo.

Protex Plastic Material. The Garland Co., Cleveland, O.

Protexal Cloth. Safety Equipment Service Co., Cleveland.

Protexal Safety Devices. Safety Equipment Service Co., Cleveland, O.

Protexall Overall Suits. The Protexall Co., Abingdon, Ill.

Protexide (Colorless and Odorless Wood Preservative). Protexol Corporation, New York.

Protexide Paint. Thompson & Co., Pittsburgh, Pa.

Protexol Wood Preservative, Coal Tar Products. Protexol Corp., New York.

Protexometer Water Circulation Thermometers. Protexometer Mfg. Co., Camden, N. J.

Protexwel Goggles. Merry Optical Co., Kansas City, Mo.

Protolene Stains. Protexol Corporation, New York.

Protod Forgery-Proof Checks. Todd Protectograph, N. Y.

Protoplast Bronze Powders and Bronzing Liquid. U. S. Bronze Powder Wks., Inc., New York.

Proudfit Loose Leaf Devices and Paper Punches. Proudfit Loose Leaf Co., Grand Rapids, Mich.

Prouty Box Board Pty. Machine and Paper Printing Presses. Boston Printing Press & Machy. Co., East Bridgewater, Mass.

Prouty Door Hangers. Allith-Prouty Co., Danville, Ill.

Prouty Valve Wheels. Sawyer Tool Mfg. Co., Ashburnham, Mass.

Prouty Wire Valve Wheels. T. R. Almond Mfg. Co., Ashburnham, Mass.

Prover Fruit and Vegetable Evaporators. Deshler Mail Box Co., Deshler, O.

Providence Fenders and Guards. Consolidated Car Fender Co., Providence, R. I.

Providence Pump. Providence Engineering Works, Providence, R. I.

Providence Steam Windlass. American Engineering Co., Phila., Pa.

Provo Filter Presses. Provost Engineering Co., New York.

Provo Type Glass Insulators. Heningray Glass Co., Muncie, Ind.

Prowico Products. Progressive Wire Goods Co., Williamstown, N. J.

Pruden Plaster Corner Beads. St. Paul Roofing, Cornice & Ornament Co., St. Paul.

Prudential Portable Steel Buildings, Windows and Glass. C. D. Pruden Co., Baltimore, Md.

Prudential Sectional Steel Buildings; Road Builders Equipment. Blaw-Knox Company, Pittsburgh, Pa.

Prufo Waterproofing Dressings, Auto Enamels, Etc. Prufo Products Co., Portland, O.

Pruyn Roller Journal Bearing. The Pruyn Bearing Exchange, Chicago.

Pryibil Wood and Metal Working Machines, Tools and Supplies. P. Pryibil Machine Co., Inc., New York.

Pryz Oak Belting. Graton & Knight Mfg. Co., Worcester, Mass.

Public Health Liquid Disinfectant. Sanitation & Supply Co, New York.

Public Service Bond Paper. Taylor-Logan Co., Holyoke, Mass.

Public Service Paper Towels. National Paper Products Co., San Francisco, Cal.

Puck Heating Stoves. B. C. Bibb Stove Co., Baltimore, Md.

Puerine Tanners' Bate. Martin-Dennis Co., Newark, N. J.

Puget Radio Couplers, Crystals, Head Sets, Transformers, Etc. Northwest Radio Service Co., Seattle, Wash.

Pugh Augers and Bits; Hollow Mortising Chisels. Job T. Pugh, Inc., Philadelphia, Pa.

Pul-Air Ventilators. John A. Call, Philadelphia, Pa.

Pulaski Pig Iron. Pulaski Iron Co., Philadelphia, Pa.

Pullblock for Pulling. Memphis Pullblock Co., Memphis, Tenn.

Pull-Easy Collar. Precision Metal Workers, Chicago.

Pull-Easy Garden Cultivators. Pull-Easy Mfg. Co., Waukesha, Wis.

Pullman Door Checks, Razor Stroppers and Unit Sash Balances. Pullman Mfg. Co., Rochester, N. Y.

Pullman Furniture Polish. Samoline Corp., Inc., Chicago.

Pullman Journal Bearings. More-Jones Brass & Metal Co., St. Louis.

Pullman Motor Cars. Pullman Motor Car Co., York, Pa.

Pullman Ventilators, Ventilating Cowls, Drill Press and Grinding Machines. Walter B. Gilbert & Co., York, Pa.

Pullman Weather Strips, Ventilator. Pullman Automatic Ventilator Co., York, Pa.

Pull-Me-Out Truck Pullers. Sasgen Derrick Co., Chicago.

Pullrite Automobile Lighting Battery, Pull and Push Switches. Frank W. Morse, Boston.

Pull-U-Out Pull and Lift Machine. Pull-U-Out Sales Co., St. Louis, Mo.

Pulmosan Respirators, Dust Hoods. Multi-Metal Co., Inc., New York.

Pulmosan Sand Blasting Helmets and Respirators. Multi-Metal Separating Screen Co., New York.

Pulmotors, Resuscitating Apparatus. **The Draeger Oxygen Apparatus** Co., Pittsburgh, Pa.

Puloil Lubricating Oils. True's Oil Co., Spokane, Wash.

Pulsometer Steam Pumps. Pulsometer Steam Pump Co., New York.

Pulva Alba Cement Concrete Block Facing. Ohio Marble Co., Piqua, O.

Pulverator Pulverizing Machines. Allis-Chalmers Mfg. Co., Milwaukee, Wis.

Pulveroid Celluloid Signs. Bastian Bros. Co., Rochester, N. Y.

Pumola Soap. Williams Soap Co., Indianapolis, Ind.

Pumpkin Yellow Roof Paint. R. F. Johnston Paint Co., Cincinnati, O.

Punch Tire Upsetters. Munnsville Plow Co., Munnsville, N. Y.

Punktal Lenses. Bausch & Lomb Optical Co., Rochester, N. Y.

Pup Padlocks. E. T. Fraim Lock Co., Lancaster, Pa.

Purcell No. 1915 Storm Sash Hangers. Purcell Co., Kansas City, Mo.

Purchase Windlasses. Thos. Laughlin Co., Portland, Me.

Purco Folding Comp Stoves. Purdin Metalware Co., Portland, Ore.

Purdy Centrifuge. Williams, Brown & Earle, Inc., Philadelphia, Pa.

Pure Oak Leather Belting. Grand Rapids Belting Co., Grand Rapids, Mich.

Pure Quill Oils and Greases. Warren Oil Co., Warren, Pa. Peoples Oil & Fuel Co., Oswego, N. Y.

Pure Stream Drinking Fountains. Everson Filter Co., Chicago.

Pure White Toilet Paper. A. P. W. Paper Co., Albany, N. Y.

Purilex Oils and Stains. Martin Bariffe, New Haven, Conn.

Purita Drinking Fountains. J. L. Mott Iron Works, Trenton, N. J.

Puritan Aluminum Hollow Ware. Sturges & Burn Mfg. Co., Chicago.

Puritan Brand Toothpicks. H. A. Stiles & Co., Boston.

Puritan Core Packing. Mulconroy Co., Philadelphia, Pa.

Puritan Drinking Fountains. Halsey W. Taylor Co., Warren, O.

Puritan Engine and Machine Oilers. Noera Mfg. Co., Waterbury, Conn.

Puritan Faucet Cans. Sexton Can Co., Boston.

Puritan Gasoline Hose. Cincinnati Rubber Mfg. Co., Cincinnati.

Puritan Hose and Packing. Cincinnati Rubber Mfg. Co., Cincinnati, O.

Puritan Insulating Cloth, Insulating Washers. American Mica Co., Newton Lower Falls, Mass.

Puritan Lever Switches, Ignition, Lighting. Frank W. Morse, Boston.

Puritan Liquid Soap, Soap Powders, Furniture Polish. Puritan Soap Co., Rochester, N. Y.

Puritan Lubricating Oils and Greases. Puritan Oil Co., Cleveland, O.

Puritan Marine Steering Wheels. Thos. Laughlin Co., Portland, Me.

Puritan Metal Polish and Lubricating Oils. Pure Oil Co., Minneapolis.

Puritan Oil Cooking Stoves and Ovens. Cleveland Metal Products Co., Cleveland.

Puritan Oil Cups. Wm. Powell Co., Cincinnati, Ohio.

Puritan Oilers. Noera Mfg. Co., Waterbury, Conn.

Puritan Paper Cups. Eagle Envelope Co., Chicago.

Puritan Printed and Plain Waxed Paper and Vegetable Parchment. West Carrollton Parchment Co., West Carrollton, Ohio.

Puritan Refrigerators. L. H. Mace & Co., New York.

Puritan Sanitary Flooring. Warren Bros. Co., Boston.

Puritan Soaps, Polish and Cement. Puritan Soap Co., Rochester, N. Y.

Puritan Sweeping Compounds. Pacific Chemical Co., Los Angeles.

Puritan Tinware, Ash and Garbage Cans, Oil Cans, Bread Pans, Broilers, Chafing Dishes, Pails, Water Coolers. Central Stamping Co., New York.

Puritan Walking Drills and Listers. Moline Plow Co., Moline, Ill.

Puritan Water Filters. Everson Filter Co., Chicago.

Puritan Wood Fillers. Glidden Co., Cleveland.

Puritox Moth Killer. Chamberlain-Haber Chemical Co., Cleveland, O.

Purity Brand Gelatine. C. B. Hewitt & Bros., Inc., New York.

Purity Drinking Fountains. James Barrett Mfg. Co., Boston.

Purity Gasoline. Harbor Refining Co., Los Angeles.

Purity Jars. National Paper Products Co., San Francisco, Cal.

Purity Oyster and Ice Cream Pails. National Paper Products Co., San Francisco, Cal.

Purity Surgical Gauze. American Gauze & Cotton Co., Inc., St. Louis.

Purity Water Filters, Pipe Strainers. Progressive Iron Foundry & Machine Co., Haydenville, Mass.

Puriwachos Fire Resisting Cements. W. A. Ross & Bro., New York.

Puro Drinking Fountains and Faucets. Puro Sanitary Drinking Fountain Co., Haydenville, Mass.

Puro Filters. Centadrink Filters Co., New York.

Puro Oils. Pure Oil Co., Philadelphia.
Purolene Lubricating Oils. Pure Oil Co., Philadelphia, Pa.
Puroline Disinfectants. Continental Mfg. Co., Indianapolis.
Purox Hydrogen and Oxygen. California Compressed Gas Co., Los Angeles.
Purple Label Piano Wire. Webb Wire Works, New Brunswick, N. J.
Purus Closets. Crane Co., Chicago.
Purus, Jr., Closets. Crane Co., Chicago.
Purus Vitroware Closet. Crane Company, Chicago.
Push and Turn Air Hose Couplings. C. A. Clafin Co., Boston, Mass.
Push Bars Garden Cultivators. Empire Plow Co., Cleveland.
Pushin Ordinary Attachment Plugs. Hart & Hegeman Mfg. Co., Hartford, Conn.
Pushrite Button Boards. S. H. Couch Company, Inc., Norfolk Downs, Mass.
Pushrite Push Buttons. S. H. Couch Co., Quincy, Mass.
Pushwell Push Buttons. Benjamin Electric Mfg. Co., Chicago.
Putnam Boilers. Putnam Fdry. & Mach. Co., Putnam, Conn.
Putnam Gasoline Motors. Putnam Motor Mfg. Co., Springfield, Mass.
Putnam Lathes, Planers, Boring Machines, Wheel Presses. Manning Maxwell & Moore (Inc.). New York.
Putnam Rolling Ladders. Putnam & Co., New York.
Putnam Spring Clothes Pins. U. S. Clothespin Co., Montpelier, Vt.
Putnam Steam Heaters. Putnam Foundry & Machine Co., Putnam, Conn.
Putnam's Lightning Screw Top Glass Jar. Federal Glass Co., Columbus, Ohio.
Puts Cream, Inflammable and Non-Inflammable Liquid Metal Polish. American Metal Polish Co., West Somerville, Mass.
Putting Green Lawn Sprinklers. W. D. Allen Mfg. Co., Chicago.
Putz Metal Polish. Crady Mfg. Co., Astoria, N. Y.; J. C. Paul & Co., Chicago.
Puzzle Peg Games. Lubbers & Bell Mfg. Co., Clinton, Ia.
Pyconoleum Belt Dressing. A. G. Belden & Co., New York.
Pygmy Metal Shears. Buffalo Forge Co., Buffalo.
Pyke's Lawn Mower Sharpeners. Pike Mfg. Co., Pike, N. H.
Pyle-National Headlight. The Pyle-National Company, Chicago.
Pyle National Turbo Generator Sets. Pyle National Co., Chicago.
Pyod Thermocouples. Wilson-Maeulen Co., New York.
Pyott-Miller Friction Clutches. Pyott Co., Chicago.
PyRadiolin Radio Panel Board. E. I. du Pont de Nemours & Co., Inc., Pyralin Dept., Arlington, N. J.
Pyralin Bath Room Fixtures and Furnishings. C. F. Church Mfg. Co., Holyoke, Mass.
Pyralin Closet Seats. C. F. Church Mfg. Co., Holyoke, Mass.
Pyralin Enamel, for Enamel Finish, Wood or Metal. E. I. du Pont de Nemours & Co., Inc., Chemical Products Div., Pyralin, N. J.
Pyralin Toiletware, Sheeting, Rods, Tubing, Beading, Etc. E. I. du Pont de Nemours & Co., Inc., Arlington, N. J.
Pyramid-Balata Belting. Imperial Belting Co., Chicago.
Pyramid Bearing Metal. Magnolia Metal Co., New York.
Pyramid Belt Dressing, Boiler Compounds. Binghamton Boiler Compound Co., Binghamton, N. Y.
Pyramid Belting. Laurence Belting Co., Chambers, New York.
Pyramid Blue Plaster Boards, Roofing Felts. Ford Roofing Products Co., Chicago.
Pyramid Boiler Compounds. Binghamton Boiler Compound Co., Binghamton, N. Y.
Pyramid Brand Carbon Brushes. National Carbon, Long Island City, N. Y.
Pyramid Brand Slate. Structural Slate Co., Pen Argyle, Pa.
Pyramid Brazing Spelter. Michigan Smelting & Refining Co., Detroit Mich.
Pyramid Canvas Stitched Belting. National Belting Co., Elyria, Ohio.
Pyramid Cement Plaster. United States Gypsum Co., Chicago.
Pyramid Floor Finish. O'Brien Varnish Co., South Bend, Ind.
Pyramid Fly Catchers. Louis Dejonge & Co., New York.
Pyramid Hose and Gaskets. Gutta Percha & Rubber Mfg. Co., New York.
Pyramid Hot Air Furnace. Forest City Fdry. & Mfg. Co., Cleveland.
Pyramid Lamp Black. L. Martin Co., New York.
Pyramid Leather Belting. Lawrence Belting Co., New York; McLean Mfg. Corp., New York.
Pyramid Matting. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Pyramid Packing. Cancos Mfg. Co., Philadelphia.
Pyramid Point Tie Plugs. Grayling Dowel & Tie Plug Co., Grayling, Mich.
Pyramid Pumps. Goulds Mfg. Co., Seneca Falls, N. Y.
Pyramid Roof Ventilators. Rohrman Cooper Co., Chicago.
Pyramid Rubber Mats. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Pyramd Rubber Mats. Essex Rubber Co., Trenton, N. J.
Pyramid Torches, Engine & Machine Oilers. Gem Mfg. Co., Pittsburgh.
Pyramid Water Supply Pumps. Gould Mfg. Co., Seneca Falls, N. Y.
Pyramid Wood Finish. O'Brien Varnish Co., South Bend. Ind.
Pyrd Pyrometers Thermocouple. Wilson-Maeulen, New York.
Pyrene Fire Extinguisher. Pyrene Mfg. Co., Newark, N. J.
Pyretos Fire Brick Cement. Eureka Fire Brick Wks., Pittsburgh, Pa.
Pyrex Glass Baking Dishes; Oven Door Panels and Laboratory Apparatus. Corning Glass Works, Corning, N. Y.
Pyro Denatured Alcohol. United States Industrial Alcohol Co., New York.
Pyro Steel Castings. Swedish Crucible Steel Co., Detroit.
Pyro-Steel Fire Brick. Pyro Clay Products Co., Oak Hill, Ohio.
Pyrobar Book, Cement Roofing and Cold Storage Insulation, Fireproof Tile, Column Covering and Gypsum Tile. United States Gypsum Co., Chicago.
Pyrocide Dry Chemical Fire Extinguisher. Western Fire Appliance Co., San Francisco.
Pyrofax Cooking Gas. Carbide & Carbon Chemicals Corp., New York.
Pyrofuse Garbage Disposal Plants. J. B. Prescott & Son, Webster, Mass.
Pyrogen Cutting Gas. Carbide & Carbon Chemicals Corp., New York.
Pyroid Sheet Packing. General Asbestos & Rubber Co., Charleston, S. C.
Pyrono Fireproof Wood Veneered Doors. Compound & Pyrono Door Co., St. Joseph, Mich.
Pyropad Sand Driers; Station, Caboose and Roundhouse Stoves. Argyle Railway Supply Company, Chicago.
Pyroscope Optical Pyrometers. Shore Instrument & Mfg. Co., The, Jamaica, N. Y.
Pyroscope Temperature Tester. Shore Instrument & Mfg. Co., N. Y.
Pyrotectite Paint. Star Products Co., Chicago.
Pyrotip Electro Lead Burner. General Electric Co., Schenectady, N. Y.
Pyrotite Electric Fuse Plugs. Bryant Electric Co., Bridgeport, Conn.
Pyroxlyn Celluloid Novelties. Royal Comb Co., Leominster, Mass.
Python Alloy Tool Steel; Special High Speed Steel. Atlas Steel Corp., Dunkirk, N. Y.
Python Conveyor Belting. Manheim Mfg. & Belting Co., Manheim, Pa.
Python Hose; Valves. The Diamond Rubber Co., Inc., Akron, O.
Pyxol Disinfectants. Barrett Co., New York.

Q

Q Industrial Furnaces. Quigley Furnace Co., New York.
Q M S Air Hoists, Trolleys. Hanna Engineering Works, Chicago.
Q. M. S. Trolleys and Pneumatic Hoists. Hanna Engng. Wks., Chicago.
Q-P Troyyel Catchers. Signal Co., The Q-P, Needham Heights, Mass.
Q. S. F. Flush Switches. Cutter Electrical & Mfg. Co., Philadelphia.
Q. & C. Lamp Adjusters. American Vulcanized Fibre Co., Wilmington, Del.
Q & C One Piece Guard Rail, Fence Posts. The Q. & C. Co., New York.
Q & C Rail Joint, Rolled Steel Compromise or Step Joint, Portable Rail Saw, Rail Bender, Guard Rail Clamp, Insulated Joints, Skid Shoes, Universal Emergency Knuckles; Electric Snow Melters; Roller Side Bearing—Unlimited and Limited Types. The Q & C Co., New York.
Q & C-Ray Snow Plangers and Plows. The Q & C Company. New York.
Q & C Shop Saws. Hanna Engineering Works, Chicago.
Q. & E. Floor Finish. Murphy Varnish Co., Newark, N. J.
Q. & E. Pipe Dies. Reed Mfg. Co., Erie, Pa.
Q. & T. Cattle Stanchions. Quick & Thomas, Auburn, N. Y.
Qckwork (Texaco) Metal Polish. The Texas Company, New York.
Quad Boring Tools. Wrightsville Hardware Co., Wrightsville, Pa.
Quad Camp Stoves, Gas Ranges. Quad Stove Mfg. Co., Columbus, O.
Quad Industrial Lighting Fixtures. Quadrangle Mfg. Co., Chicago.
Quad Lock Joint Ceilings. F. O. Schoedinger, Columbus, O.
Quad Receptacles. General Electric Co., Schenectady, N. Y.
Quadlock Emergency Gasoline Cocks. The Lunkenheimer Co., Cincinnati, O.
Quadriga Gas Solder Furnace. Quadriga Mfg. Co., Chicago.
Quadriga Soldering Iron Heaters Round Belt Couplings. Quadriga Mfg. Co., Chicago.
Quadruplex Attachments for Engines. Robert Hikish, Tuckahoe, N. Y.
Quadruplex Telegraph Apparatus. J. H. Bunnell & Co., New York.
Quail Wood Hay Tedders. Ohio Rake Co., Dayton, Ohio.
Quaker Auto Tires and Tubes. Quaker City Rubber Co., Philadelphia.
Quaker Babbitt Metal. Arthur H. Lemon, Chicago.
Quaker Core Oils. J. W. Paxson Co., Philadelphia.
Quaker Core Packing. Mulconroy Co., Philadelphia, Pa.
Quaker Cotton and Wool Waste. National Waste Co., Philadelphia.
Quaker Electric Vacuum Cleaner. Jewell Vacuum Cleaner Co., Chi'go.
Quaker Faucets. Haines, Jones & Cadbury Co., Philadelphia, Pa.
Quaker Gray Building Stone. Spring Rover Stone Co., Carthage, Mo.
Quaker Grease Cups. Detroit Shipbuilding Co., Detroit, Mich.
Quaker Grey Rosin Sized Sheathing. Barrett Co., New York.
Quaker Hot Air Furnaces. Quaker Mfg. Co., Chicago.
Quaker Lubricators. Detroit Shipbuilding Co., Detroit, Mich.
Quaker Kitchen Enameled Ware. New England Enameling Co., Middletown, Conn.
Quaker Maid Ironing Machines. Quaker Mfg. Co., Chicago.
Quaker Maid Kitchen Cabinets. Land Dilks Co., Richmond, Ind.
Quaker Quality Waste. National Waste Co., Philadelphia, Pa.
Quaker Shade Rollers. Columbia Mills, Inc., New York.
Quaker Stoves and Pipeless Furnaces. White-Warner Co., Taunton, Mass.
Quaker Tires. Quaker City Rubber Co., Philadelphia.
Quaker Turpentine Substitute. C. H. Boley Co., Philadelphia.
Quaker Whiting. R. T. Vanderbilt Co., New York.
Quaker City Auto Soap. J. Eavenson & Sons, Camden, N. J.
Quaker City Belting, Hose and Packing. Quaker City Rubber Co., Phila., Pa.
Quaker City Corn Mill. A. W. Straub Co., Philadelphia.
Quaker City Grinders, Crushers and Mills. A. N. Straub & Co., Philadelphia, Pa.
Quaker City Hammers and Hatchets. Plumb, Inc., Fayette R., Phila-
Quaker City Lawn Mowers. Penna Lawn Mower Wks., Philadelphia.
Quaker City Range Boilers. Haines, Jones & Cadbury Co., Philadelphia, Pa.
Quakerlene Oils and Greases. Harry E. Rogers, Bakersfield, Cal.
Qualified Adding Machine Paper. Central Paper Co., Menasha, Wis.
Qualifine Plumbers Force Cups. Woodward-Wagner Co., Philadelphia, Pa.
Quality Aluminum Utensils. The E. A. Fargo Co., Taunton, Mass.
Quality Auto Dump Bodies and Hoists, Tanks, Air Receivers, Smoke Stacks and Boiler Breechings. Heil Co., Milwaukee.
Quality Axles. Winther Motors Co., Inc., Kenosha, Wis.
Qualtiy Bale Ties. Shelby Wire Co., Shelby, Ohio.
Quality Carbon Paper. Miller-Bryant-Pierce Co., Aurora, Ill.
Quality Clothes Washing Machines. Blackstone Mfg. Co., Jamestown, N. Y.
Quality Core Compounds. E. J. Woodson Co., Detroit.
Quality Cuspidors. Ireland & Mathews Mfg. Co., Detroit, Mich.
Quality Die Castings. Light Mfg. & Foundry Co., Pottstown, Pa.
Quality Elec. Sad Irons. Am. Electrical Heater Co., Detroit, Mich.
Quality Gas Ranges and Heaters. Roberts & Mander Stove Co., Phila.
Quality Hacksaw Blades and Frames. Napier Saw Works, Inc., Middletown, N. Y.
Quality Kitchen Equipment. Ransom-Barton Co., Philadelphia, Pa
Quality Orthopedic Plaster. U. S. Gypsum Co., Chicago.
Quality Paint. Arlington Mfg. Co., Canton, Ohio.
Quality Piston Pins. Elgin Machine Works, Elgin, Ill.
Quality Piston Rings. Piston Ring Co., Muskegon, Mich.
Quality Pumps. Crestline Mfg. Co., Crestline, O.
Quality Revolving Chairs. C. A. Cook Co., Cambridge, Mass.
Quality Rubber Stamps. Consolidated Stamp Mfg. Co., New York.
Quality Saw Blades. Quality Saw & Tool Works, Springfield, Mass.
Quality Shop Show Cases. Blitz Bros., Inc., Chicago.
Quality Snap Rings. The Piston Ring Co., Muskegon, Mich.
Quality Springs. New York & Spring Co., New York.
Quality Steel. Carbon Steel Co., Pittsburgh, Pa.
Quality Steel Baby Carriages. Heywood-Wakefield Company, Boston 9, Mass.
Quality Steel Castings. Millbury Steel Foundry Co., Millbury, Mass.
Quality Steel Tanks, Truck Bodies, Hydro Hoists. The Heil Co., Milwaukee, Wis.
Quality Surgical Gauze. Am. Gauze & Cotton Co., St. Louis.
Quality Tow. Flaxlinum Insulating Co., St. Paul, Minn.
Quality Tow for Upholstery. Northern Insulating Co., St. Paul.
Quality Waxes and Paraffine Wax. American Wax Co., Boston, Mass.
Quanco Ball Cocks. Street & Kent Mfg. Co., Chicago.

Quarry Air Hose. B. F. Goodrich Co., Akron, O.
Quarette Automobile Electrical Equipment. Gem Mfg. Co., Pittsburgh.
Quartus White Cotton Waste. Massasoit Mfg. Co., Fall River, Mass.
Quartz Water Filter. Everson Filter Co., Chicago.
Quaturn Faucets. Chicago Faucet Co., Chicago.
Quayle Oil Burning Marine Engines. Commonwealth Motors Co. Chicago, Ill.
Queen Air Tight Stoves. Holly & Mason Hdwe. Co., Spokane, Wash.
Queen Anne Burners (Kerosene Lighting Flat Flame). Scovill Mfg Co., Waterbury, Conn.
Queen Anne Metal Frame Window Screens. Continental Co., Detroit, Mich.
Queen Bathroom Fixtures, Bread Boards, Etc. Queen Mfg. Co., Chicago.
Queen Bee Babbitt Metal. Thos. F. Lukens Metal Co., Philadelphia, Pa.
Queen Bee Coke. The Barrett Co., New York.
Queen Broom Holders. C. E. Ericksen & Co., Des Moines, Ia.
Queen Ceiling Hooks. Parker Wire Goods Co., Worcester, Mass.
Queen City Adjustable Wrenches. Bergman Tool Mfg. Co., Buffalo, N. Y.
Queen City Coal Chutes. Hastings Foundry & Iron Works, Hastings, Neb.
Queen City Hydrants. Queen City Brass & Iron Works, Cincinnati, O
Queen City Lawn Rakes. Cronk & Carrier Mfg. Co., Elmira, N. Y.
Queen City Roofing. Buffalo House Wreck. & Salvage Co., Buffalo, N. Y.
Queen City Shapers. Queen City Machine Tool Co., Cincinnati, O
Queen City Shutter Hinges, Tobacco Counter Cutters. Wrightsville Hardware Co., Wrightsville, Pa.
Queen City Step Ladders. Rich Pump Co., Cincinnati, O.
Queen Cultivators. Walter A. Wood Moving & Reaping Machine Co., Hoosick Falls, N. Y.
Queen Desks. Marysville Cabinet Co., Marysville, Ohio.
Queen Drafting Instruments. Queen & Co., Philadelphia, Pa.
Queen Family Washing Machines. Knoll Mfg. Co., Reading, Pa.
Queen Fire Extinguishers. Harker Mfg. Co., Cincinnati, O.
Queen Fly Swatters. U. S. Wire Mat Co., Decatur, Ill.
Queen Fruit Jars. Smalley, Kivlan & Onthank, Boston.
Queen Grinders. Clizbe Bros. Mfg. Co., Plymouth, Ind.
Queen Hair Drying Combs. Nicol & Co., Chicago.
Queen Harness Snaps. Covert Mfg. Co., Troy, N. Y.
Queen Kraut Cutters. Tucker & Dorsey Mfg. Co., Indianapolis.
Queen Lawn Mowers. Dille & McGuire Co., Richmond, Ind.; Granite State Mowing Machine Co., Hinsdale, N. H.
Queen of South Flour Mill Machinery. Blymyer Iron Works Co., Cincinnati, O.
Queen Quality Shoes. Thomas G. Plant Co., Boston 20, Mass.
Queen Round Boilers. Williamson Heater Co., Cincinnati, O.
Queen Ready Mixed Paints. Marion Paint Co., Indianapolis, Ind.
Queen Salt. Stauffer Chemical Co., San Francisco, Cal.
Queen Tack Claws and Pullers. W. G. Browne Mfg. Co., Kingston, N. Y.
Queen Vegetable Cutters. Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
Queen Water Coolers. Everson Filter Co., Chicago.
Queens Best Steel Ranges. Wisconsin Fdry. & Steel Works, Cedar Grove, Wis.
Queens Chrome Yellow. C. H. Howell & Co., Philadelphia.
Quick Acting Drilling Machine Vises. Athol Mach. & Foundry Co., Athol, Mass.
Quick Action Battery Connectors. National Carbon Co., Long Island City, N. Y.
Quickaction Clips. Fahnestock Electric Co., Syracuse, N. Y.
Quick Action Drilling Machine Vises. St. Louis Sales Co., St. Louis.
Quick Action Hood Fasteners. A. Lawrence Sweet Mfg. Co., Los Angeles, Cal.
Quick Action Switches and Spark Coils. Quick Action Ignition Co., South Bend, Ind.
Quick-As-A-Wink Cork Pullers. Milton Hawley, Stepney, Conn.; Warner Hammer Co., Cromwell, Conn.
Quick-As-A-Wink Hose Couplings. C. B. Hunt & Son, Salem, O.
Quick-As-A-Wink Pneumatic Co. Hose Couplings. W. J. Clark Co., Salem, O.
Quick Brake Knife Switches. Consolidated Car Heating Co., Albany, N. Y.
Quick Case Case-Hardening Compound. Alfred O. Blaich Co., Detroit, Mich.
Quick Change Chuck. Quick Change Chuck Mfg. Co., The, Arcanum, Ohio.
Quick Change Lathes. R. K. Le Blond Machine Tool Co., Cincinnati, O
Quick Change Wire Wheels. Wire Wheel Corp. of America, Buffalo, N. Y.
Quick Closing Water Gauges. Williams Gauge Co., Pittsburgh.
Quick Comfort Gas Heaters, Parlor Gas Grates, Wood Ranges. American Stove Co., St. Louis.
Quick Done (for Concrete or Cement Mortar.) Toch Bros., Inc., New York.
Quickest Expansion Tank Shelves. Fred A. Tyler, Albany, N. Y.
Quick Ezy Automobile Rim Tool. Ashland Products Co., Ashland, O.
Quickflo Oil Measuring Cans. Wizard Lamp Co., San Francisco.
Quick Fruit Parers. Hamblin & Russell Mfg. Co., Worcester, Mass.
Quick Kleaner Wire Brushes. Pilley Packing & Flue Brush Mfg. Co. St. Louis, Mo.
Quick-Kloze Harness Snaps. North & Judd Mfg. Co., New Britain, Conn.
Quick Kut Valve Grinding Compounds. Hall Thompson Co., Hartford, Conn.
Quick-Light Case Hardening Material. E. F. Houghton & Co., Philadelphia, Pa.
Quick-Lite Electric Lanterns and Batteries. Electric Lantern Corp., San Francisco, Cal.
Quick-Lite Lamps and Lanterns. Coleman Lamp Co., Wichita, Kan.
Quick Meal Feed Cookers. B. F. Freeland Sons Co., Sturgis, Mich.
Quick Meal Gas Stoves, Gas Radiators, Soldering Furnaces, Coal Ranges. American Stove Co., St. Louis.
Quickool Drinking Fountains. Central Brass Mfg. Co., Cleveland, O
Quick-Ope Faucets. Haydenville Co., Haydenville, Mass.
Quick Out Feed Carriers. Louden Machy. Co., Fairfield, Ia.
Quick-Out Fire Extinguishers. Safety Fire Extinguisher Co., New York.
Quick-Pression Faucets and Cocks. Central Brass Mfg. Co., Cleveland, O.
Quick Repair Switch Stands. The American Valve & Meter Co., Cincinnati, O.
Quick Set Adjustable Reamers. Cleveland Twist Drill Co., Cleveland.
Quick Set Iron and Steel Posts. Buffalo Steel Co., Tonawanda, N. Y.
Quick Shift Anti-Rattlers. D. F. Tanner, Holland, N. Y.
Quick Shift Steel Anti-Rattlers. Fernald Mfg. Co., North East, Pa.
Quick-Set Steel Fence Posts. Buffalo Steel Co., Tonawanda, N. Y.
Quick Shine Metal Polish. Baum's Castorina Co., Rome, N. Y.
Quickstone Concrete Hardener. A. T. Malmed & Co., Philadelphia, Pa.
Quick White Shoe Blackening and Polishes. Whittemore Bros. Corp., Cambridge, Mass.
Quickwork Plate and Sheet Metal Machines. Quickwork Co., St. Marys, O.
Quickwork Power Hammers, Rotary Shears. Quickwork Co., St. Mary's, O.
Quicker Yet Clothes Washing Machines. Globe Mfg. Co., Perry, Ia.
Quicsharp Planer Knife Grinder. Stockbridge Machine Co., Worcester, Mass.
Quiotite Drill Chucks. Eastern Tube & Tool Co., Inc., Brooklyn, N. Y.
Quigley Pulverized Fuel Systems. Hardinge Company, Inc., New York.
Quik-Ope Plumbing Goods. Haydenville Co., Haydenville, Mass.
Quiksticker Mucilage and Paste. Ink Ribbon Mfg. Co., San Francisco.
Quikwerk Railroad Tools. The Warren Tool & Forge Co., Warren, O.
Quiller Pulp Screens. Rice, Barton & Fales, Inc., Worcester, Mass.
Quilt Insulating and Deadening Quilts. Samuel Cabot, Inc., Boston.
Quilt Insulating Sheathing. Samuel Cabot, Boston, Mass.
Quincy Hydraulic System. Quincy Elevator Gate Co., Quincy, Ill.
Quincy Market Ammonia Valves. Star Brass Mfg. Co., Boston.
Quincy Tumbling Barrels. Central Iron Works, Quincy, Ill.
Quinn Smokeless Furnaces, Refuse Burners. Quinn & Co., Cincinnati.
Quinn's Dutch Oven Furnace. Quinn & Co., Cincinnati, O.
Quin-See Valve and Service Boxes. Modern Iron Works, Quincy, Ill.
Quint Boring Tools. Wrightsville Hardware Co., Wrightsville, Pa.
Quintet Socket Wrenches. Walden-Worcester Inc., Worcester, Mass.
Quintuple Rubber Hose. Electric Hose & Rubber Co., Dept. H, Wilmington, Del.
Quintuple Garden Hose. Electric Hose & Rubber Co., Wilmington, Del.
Quintus White Cotton Waste. Massasoit Mfg. Co., Fall River, Mass.
Quitetite Pressure Reducing Valves. Auld Co., Philadelphia.
Quitetite Pressure Reducing Valves. Schutte & Koerting Co., Phila.
Quix-Shine Polishing Cloths. Quix Specialty Co., Philadelphia.
Quoke Babbitt Metal. H. Channon Co., Chicago.

R

R-200 Diagonal Low Pressure Packing. Goodall Rubber Co., Inc., Philadelphia, Pa.
R-210 Rubber Core Red Packing. Goodall Rubber Co., Inc., Philadelphia, Pa.
R-229 Diagonal Rod Packing. Goodall Rubber Co., Inc., Philadelphia, Pa.
R-500 Red Sheet Packing. Goodall Rubber Co., Inc., Philadelphia, Pa.
R-600 Oilproof Sheet Packing. Goodall Rubber Co., Inc., Philadelphia, Pa.
R. Center Fils Heddles. Wm. Firth, Boston, Mass.
R. Ringing Transformers. Mohawk Electric Mfg. Co., Newark, N. J.
R. B. Insulating Type. Consumers Rubber Co., Cleveland, O.
R. B. Co. Train Orders. Rockwell-Barnes Co., Chicago.
R. C. Board for Shoe Counters. West Virginia Pulp & Paper Co., New York.
R. C. Lubricating Compound. International Chemical Co., Philadelphia, Pa.
R. C. W. Water Motor Clothes Washing Machines. Richmond Cedar Works, Richmond, Va.
R. & D. Ash Ejectors, Feed Water Filters and Grease Extractors, Steam Traps, Etc. Row & Davis Engineers, Inc., New York.
R. F. D. Padlocks. Sargent & Co., New Haven, Conn.; E. T. Fraim Lock Co., Lancaster, Pa. The Miller Lock Co., Philadelphia, Pa.
R F & C Belting. Buffalo Weaving & Belting Co., Buffalo, N. Y.
R. F. & C. Rubber Belt. W. H. Salisbury & Co., Inc., Chicago.
R. F. & C. Rubber Belting. Buffalo Weaving & Belting Co., Buffalo, N. Y.
R-Gee-A Starch. Geo. Gimbel & Co., Inc., New York.
R. H. Case Hardeners. Roessler & Hasslacher Chem. Co., New York.
R H C S Wrenches. Reams, Hopkins, Chadbourne & Sparks, Suisun, Cal.
R. H. Mfg. Co. Binder Covers. B. Herschel Mfg. Co., Peoria, Ill.
R.-I.-V. Ball Bearings. R.-I.-V. Co., New York.
R.-I.-V. Hoffman Steel Balls. R.-I.-V. Co., New York.
R. I. W. (Remember It's Waterproof). Preservative Paints and Compounds. Toch Brothers, Inc., New York.
R-K Regulators and Valves. Ruggles-Kligeman Mfg. Co., Salem, Mass.
R. K. Steam Fitters' Supplies, Exhaust Heads, Valves, Governors, Etc. Ruggles-Klingemann Mfg. Co., Salem, Mass.
R-Line Electrical Fixtures. Reliance Metal Spinning & Stamping Co., Brooklyn, N. Y.
R.-L. Lamp Cord Adjusters. Runzel-Lenz Electric Mfg. Co., Chicago.
R-L Lathes. Rahn-Larmon Co., Cincinnati, O.
R. M. C. Children's Carriages, Willow Furniture, Etc. Rattan Mfg. Co., New Haven, Conn.
R. M. C. C. Lubricating Oils and Greases. Phoenix Oil Co., Cleveland.
R. Murphy's Knives, Cork Screws. R. Murphy's Sons Co., Ayer, Mass.
R. M. P. Reclaimed Metal. Sullivan Metal Co., Detroit, Mich.
R-N-R Frogs, Switches and Crossings. Indianapolis Switch & Frog Co., Springfield, O.
R-N-R Manganese Frogs and Crossings, Tongue Switches and Mates. Indianapolis Switch & Frog Co., Springfield, O.
R. O. C. Engine Oil. Rex Oil Co., Chicago.
R. P. Cutting Oil System. Richardson-Phenix Co., Milwaukee, Wis.
R-P Steam Traps. John F. Robertson Co., Pittsburgh, Pa.
R. P. K. Shoe Trees. Bridgeport Metal Goods Mfg. Co., Bridgeport, Conn.
R. P. Nokut Valves. Richardson-Phenix Co., Milwaukee, Wis.
R. P. Union-Cinch Pipe Fittings. Richardson-Phenix Co., Milwaukee, Wis.
R. R. Babbitt Metal. Aurora Metal Co., Aurora, Ill.
R. R. Jones Plow Fenders. Southern Plow Co., Columbus, Ga.
R. R. Plastic Car Roofing. The Ruberoid Company, New York.
R R S Tie Plates. The Railroad Supply Co., Chicago.
R. S. Collapsible Taps, Automatic Dies, Adjusted Boring Heads and Bars. Rickert-Shafer Co., Erie, Pa.
R. S. Gasoline Engines. Rawleigh-Schreyer Co., Freeport, Ill.
R.-S. Motor Cycles. Reading Standard Co., Reading, Pa.
R. S. Co. Concrete Inserts and Sprinkler Fittings for Water. Rockwood Sprinkler Co., Worcester, Mass.
R. S. P. Bit Brace Reamers, Pistons, Motor Valves, Twist Drills and Lawn Mowers. Rich Steel Products Co., Battle Creek, Mich.
R.-S. Tapping Machines. The Rickert-Shafer Co., Erie, Pa.
R. S. V. Valves. M. Smolensky Mfg. Co., Cleveland, O.

R-T Ball Bearings. Gurney Ball Bearing Co., Jamestown, N. Y.
R. T. Water Closet Bends. Central Foundry Co., New York.
R. U. V. Water Sterilizers. James B. Clow & Sons, Chicago.
R.-W. Door Hardware and Fixtures. Richards-Wilcox Mfg. Co., Aurora, Ill.
R. W. Screen Sewage Treatment, Etc. Sanitation Corp., New York.
R-W 231" Folding Scaffold Brackets. Richards-Wilcox Mfg. Co., Aurora, Ill.
R W B Dynamotors. Rail Welding & Bonding Co., Cleveland, O.
R. W. P. O. Reilly's Wood Preservative Oil. Republic Creosoting Co., Indianapolis, Ind.
R. & B. Needles and Pyretometers. Randall-Falchney Co., Boston.
R. & D. Belt Cements, Belt Dressing. Reed & Duecker, Memphis, Tenn.
R. & H. Corn Shellers. Fate-Root-Heath Co., Plymouth, O.
R. & L. Visible Spark Plugs. The R. & L. Co., Ebensburg, Pa.
R. & M. Motors. Robbins & Myers, Springfield, O.
R. & R. Metal Polish. Rider-Upright Mfg. Co., Inc., Los Angeles, Cal.
R. & T. Doors and Windows. C. D. Pruden Co., Baltimore, Md.
R. & V. Gas Engines. Root & Vandervoort Engrg. Co., E. Moline, Ill.
Rabbeth Centrifugal Clutch Spindles. Draper Corp., Hopedale, Mass.
Rabbeth Oils and Greases. Crew Levick Co., Philadelphia, Pa.
Rabtex (Texaco) Lubricating Oil. The Texas Company, New York.
Racco Vestibule Curtain Handles, Curtain Rollers and Open Car Curtain Fixtures. Railway Curtain Co., Chicago.
Racine Fanning Mills and Separators. Johnson & Field Mfg. Co., Racine, Wis.
Racine H.-S. Tungsten Blades; High Speed Metal Cutting Machines; Automatic Broach Slotter and Key-Seater. Racine Tool & Machine Co., Racine, Wis.
Racine Improved Keyseating and Broaching and Slotting Machine (Milling Type). Racine Tool & Machine Co., Racine, Wis.
Rack-a-Rock Blasting Powder. Rendrock Powder Co., New York.
Rack and Pinion Hoop Drivers. E. & B. Holmes Machinery Co., Buffalo, N. Y.
Rackco Manila and Sisal Rope. R. A. Kelly Co., Xenia, O.
Raco Automobile Fuses; Brass Cable Ferrules; Ground Clamps; Outlet Boxes; Switch Boxes. Roach-Appleton Mfg. Co., Chicago.
Raco Electric Welding Wire. The Reid--Avery Co., Philadelphia, Pa.
Raco Padlocks. Railroad Accessories Corp., New York.
Raco Welding Wire. Reid-Avery Co., Philadelphia.
Racor Derailing Switches; Railroad Frogs and Crossings; Heat Treated Guard Rail Clamps; Manganese Steel Switches; Frogs and Crossings; Double Shoulder Solid Bottom Switch Riser Plates; Adjustable Rail Braces; Forged Steel Rail Braces; Rigid Switch Stands and Fixtures; Switches and Accessories. Ramapo Ajax Corp., Hillburn, N. Y.
Racine Bean and Pea Sorters, Grain Graders, Grain Separators, Fanning Mills, End Gate Seeders. Johnson & Field Co., Racine, Wis.
Racine Equalizers. Harvey Spring & Forging Co., Racine, Wis.; Racine General Mfg. Co., Racine, Wis.
Racine Metal Cutting-Off Machines. Racine Tool & Mach. Co., Racine, Wis.
Racine Spring Hinges, Ventilating Sash Locks. Racine Metal Stamping Co., Racine, Wis.
Racine Jr. Model B Riding Listers. J. I. Case Plow Works, Racine, Wis.
Raycycle Bicycles. Miami Cycle & Mfg. Co., Middletown, O.
Radax Bearings. The New Departure Mfg. Co., Bristol, Conn.
Radbore Boring and Facing Offset. Lawson & Co., Inc., New York.
Radbore Drill Heads. Lawson & Co., Inc., New York.
Radbore Heads, Drills and Attachments. Radical Boring Head Corp, New York.
Radd Spark Plugs. Leich Electric Co., Genoa, Ill.
Radford Blast Furnaces. Va. Iron, Coal & Coke Co., Roanoke, Va.
Radialax Coal Cutter. Ingersoll-Rand Company, New York.
Radial Buffer. Franklin Ry. Supply Co., Inc., New York.
Radial Car Buffers. Franklin Railway Supply Co., Inc., New York.
Radial Drawbars. J. G. Brill Co., Philadelphia.
Radial Type Loader. Jeffrey Mfg. Co., Columbus, O.
Radiant Heato Gas Heater. W. H. Cain Gas Radiator Co., Los Angeles.
Radiant Ranges. Cole Mfg. Co., Chicago.
Radiant Stoves. Fox Furnace Co., Elyria, O.
Radiant No. 2 Fireplace Heaters. B. C. Bibb Stove Co., Baltimore, Md.
Radiantfire Gas Heaters. General Gas Light Co., Kalamazoo, Mich.
Radiator Lock Shield Valves. McNab & Harlin Mfg. Co., Paterson, N. J.
Radical Automatic Screw Machine. **Springfield Automatic Screw Machine Corp., Fitchburg, Mass.**
Radical Crescent Cross Cut Saws. Simonds Saw & Steel Co., Fitchburg, Mass.
Radical Jigs. Fitchburg Radical Automatic Mach. Wks., Fitchburg, Mass.
Radifor Bamboo Fishing Rods. Redifor Rod & Reel Co., Warren, O.
Radi-Grille Radiator Enclosures. Tuttle & Bailey Mfg. Co., New York.
Radi-Meter Thermometers. National Gauge & Equipment Co., La Crosse, Wis.
Radio Ball Bearings. Gurney Ball Bearings Co., Jamestown, N. Y.
Radio Denatured Alcohol. Jefferson Distilling & Denaturing Co., Harvey, La.
Radio Hot Water Radiators. Central Radiating Co., New York.
Radio Luminous Paint, Powder and Cardboard. American Luminous Products Co., Huntington Park, Cal.
Radio Storage Batteries. Radio Storage Battery Co., San Francisco.
Radiobat Radio A Batteries. Multiple Storage Battery Corp., New York.
Radiocel Tubes. Irvington Varnish & Insulator Co., Irvington, N. J.
Radioclarite Foundry Flux. Basic Mineral Co., Pittsburgh.
Radiolite White Enamel Slow Drying. Ceresit Waterproofing Co., Chicago.
Radiola Receiving Sets. Radio Corp. of Am., New York.
Radion Electric Desk Lights H. C. White Co., North Bennington, Vt.
Radion Gas Jet Heater and Cooking Stove. A. G. Kaufman Mfg. Co., New York.
Radion Radio Insulation. American Hard Rubber Co., New York.
Radiotron Detectors, Transformers and Amplifying Tubes. Radio Corp. of Am., New York.
Radiovox Radio Parts. Magnavox Co., Oakland, Cal.
Radite Nickel Bronze Castings. Metal & Alloy Specialties Co., Inc., Buffalo, N. Y.
Radium Battery Jars, Car Step Treads, Insulating Tape. Consumers Rubber Co., Cleveland, O.
Radium Enameled Paper. Bryant Paper Co., Kalamazoo, Mich.
Radium Radial Gas Heaters. Lawson Mfg. Co., Homestead, Pa.
Radix Gas Heaters. O. P. Lawson Co., Homestead, Pa.
Ra Do Gas Heaters. Potter Radiator Corp, Los Angeles, Cal.
Radojet Ejectors and Air Pumps. C. H. Wheeler Mfg. Co., Phila., Pa.
Raecolith Sanitary Flooring. Raecolith Flooring Co., Seattle, Wash.
Ragonnet Reverse Gear Packing. **Johns-Manville, Incorporated, New York.**
Ragonnet Reversing Gears. Franklin Railway Supply Co., New York.
Ragonnet Power Reverse. Economy Devices Corp., New York.
Rahn-Larmon Lathes. Rahn-Larmon Co., Cincinnati, O.
Railroad Board Clips, File Backs, Vertical File Folder. Rockwell-Barnes Co., Chicago.
Railroad Rubber Cement. W. H. Salisbury & Co., Inc., Chicago.
Railroad Special Asbestos Train Pipe Coverings. The Franklin Mfg. Co., Franklin, Pa.
Railroad Special Wrench. J. H. Williams & Co., Buffalo, N. Y.
Railroad Unions, Union Elbows and Union Tees. Crane Company, Chicago.
Rialton-Campbell Feed Water Filters. Ross Valve Mfg. Co., Troy, N.Y.
Rain-a-Way Wind Shield Cleaner. Badger Mfg. Corp., Milwaukee, Wis.
Rainbesto "U. S." Packing. United States Rubber Co., New York.
Rainbo Waterproof Belting. Manhattan Belting Co., New York.
Rainbow Babbitt Metal. L. Goldstein's Sons, Philadelphia, Pa.
Rainbow Brass Lawn Sprinkler. Rainbow Sprinkler Co., Jacksonville, Fla.
Rainbow Brass Wire Belt Lacing. Manufacturers' Belt Hook Co., Chicago.
Rainbow Corn and Cob Mills, Fanning Mills, Grain Graders. Advance Rumely Co., La Porte, Ind.
Rainbow Fishing Reels. A. F. Meisselbach Mfg. Co., New York.
Rainbow Fishing Rods. Horton Mfg. Co., Bristol, Conn.
Rainbow Lawn Sprinklers. Hardware Supply Co., Grand Rapids, Mich
Rainbow Paints and Floor Paints. R. F. Johnston Paint Co., Cincinnati, O.
Rainbow Shampoo Fixture. Street & Kent Mfg. Co., Chicago.
Rainbow "U. S." Belting, Packing Hose. United States Rubber Co., New York.
Rainbow Wiping Cloths. Consumers Paper Co., Detroit, Mich.
Rain-E-Day Windshield Wipers. Kilbourne & Clark Mfg. Co., Seattle.
Rain King Lawn and Garden Sprinklers. Chicago Flexible Shaft Co., Chicago.
Rain Maker Lawn Sprinkler. F. E. Kohler Co., Canton, O.
Rainier Fir Crossarm. American Crossarm & Conduit Co., Successors to American Line Materials Co., Chicago.
Rainier Worm Drive Trucks, Rainier Motor Corp., Long Island City, N. Y.
Rainoil Waterproof Paints and Dressing. Rainoil Waterproof Paint & Products Co., Seattle, Wash.
Rain Shower Bath. Sanitas Mfg. Co., Boston, Mass.
Raintight Rubber Roofing. Maurice O'Meara Co., New York.
Raintyte Asphalt Roofing. Whitaker Paper Co., Cincinnati, O.
Raisin Valley Fodder Cutters. Wilder-Strong Implement Co., Monroe, Mich.
Rajah Clip and Hook Terminals. Rajah Auto Supply Co., Bloomfield, N. J.
Rajah Priming Plug. Rajah Auto Supply Co., Bloomfield, N. J.
Rajah Roofing and Building Paper. The Barrett Co., New York.
Rajah Scrubbing Brushes. New Jersey Brush Co., Bloomfield, N. J.
Rajah Soles. Alfred Hale Rubber Co., Atlantic, Mass.
Rajah Terminals. Rajah Auto-Supply Co., Bloomfield, N. J.
Rajah Twine. Consolidated Cordage Co., Hartford, Conn.
Rajo Cylinder Heads. Rajo Motor Co., Racine, Wis.
Rajo Track Liner. The Rail Joint Co., New York.
Rakco Asbestos. Flax and Packing. R. A. Keasbey Co., New York.
Rakco Manila and Sisal Rope. R. A. Kelly Co., Xenia, O.
Ralaco Gasoline and Marine Gasoline Engines. S. M. Jones Co., Toledo, O.
Ralco Cantilever Springs. Garden City Spring Works, Chicago.
Ralco Plugs and Receptacles Ralco Mfg. Co., Chicago.
Ralco Receptacle Plugs. Central Electric Co., Chicago.
Rall Bascule Bridges. Strobel Steel Construction Co., Chicago.
Ralston Cars. Ralston Steel Car Co., Columbus, O.
Ralston Truck Trailers. Ralston Iron Works, San Francisco, Cal.
Ralston Water Stills. John Trageser Steam Copper Works, N. York.
Ramapo Automatic Safety Switch Stands; Automatic Return Switch Stands; Spring Rail Frogs, Guard Rail Clamps. Ramapo Ajax Corp., Hillburn, N. Y.
Ramble Spark Plugs. Long Bros., Kokomo, Ind.
Rambler Door Hangers. Richards-Wilcox Mfg. Co., Aurora, Ill.
Ramrod Spark Plugs. A. R. Mosler & Co., Mt. Vernon, N. Y.
Ramsco Mine Cars. Railway & Mine Supply Co., Chicago.
Ramsey Grinder Valves. Boky Mfg. Corp., Saratoga Springs, N. Y.
Ramsey Silent Chain. Ramsey Chain Co., Inc., Albany, N. Y.
Ramspring Automobile Bumpers. Ramspring Bumper Co., Chicago.
Ramlite Furnace Cement. S. Obermayer Co., Chicago.
Rand Office Visible Record Equipment. Rand Co., Inc., Tonawanda, N. Y.
RanD System for Bunker Oil. Row & Davis Enginr., Inc., New York.
Randall Door Control and Interlocks. Kerr Elevator Appliance Corp., New York.
Randall Graphite Lubricators. Randall Graphite Products Co., Chicago.
Randall Graphite Lubricants. Strong, Carlisle & Hammond Co., Cleveland.
Randall Lubricator. Strong, Carlisle & Hammond Co., Cleveland, O.
Randall Power Plug. Randall Rotary Power Plug Co., Pittsburgh, Pa.
Randall & Stickney Lathe Indicators, Paper Testers, Gauges. Waltham Micrometers Dial Gauge Co., Waltham, Mass.
Randall Tramrail Systems. Randall Tramrail Co., Philadelphia, Pa.
Randco Leather Cloth. Zapon Leather Cloth Co., New York.
Randolph Automobile Truck Trailers. H. C. Randolph, Jonesville, Mich.
Randolph Cotton Hose. Mechanical Rubber Co., New York.
Randolph's Journal Bearing Compounds. Duluth Brass Works Co., Duluth, Minn.
Randolph Spring, Non-Shock. Best Spring Co., Portland, Ore.
Rands Gravity Sand Plants; Shallow Pit Coaling Plants and Stations. Roberts & Schaefer Co., Chicago.
Ranfac Metal Splints. The Randall-Falchney Co., Inc., Boston, Mass.
Ranger Acetylene Headlights. The R. E. Dietz Co., New York.
Ranger Automobiles and Motor Trucks. Southern Motor Mfg. Assn., Houston, Texas.
Ranger Bicycles. Mead Cycle Co., Chicago.
Ranger Canvas Belting. Webb Belting Co., Kansas City, Mo.
Ranger Fruit and Vegetable Parers. Goodell Co., Antrim, N. H.
Ranger Refillable Wire Push Broom. Worcester Brush & Scraper Co., Worcester, Mass.
Raniville's Belt Wax Belt Preservatives; Leather-to-Metal Belt Cements. F. Raniville Co., Grand Rapids, Mich.

Raniville's Wateride Belt Cements. F. Raniville Co., Grand Rapids, Mich.
Rankin Corn and Cob Mills. Gade Bros. Mfg. Co., Iowa Falls, Ia.
Ranney Static Electric Machines. Waite & Bartlett Mfg. Co., Long Island City, N. Y.; Britain, Conn.
Ransom Emery Wheel Speed Controllers. Ransom Mfg. Co., Oshkosh, Wis.
Ransome Concrete Mixers. Ransome Concrete Machy. Co., Dunellen, N. J.; Ransome Mixer Co., New York.
Ransome Bantam Concrete Mixers and Portable Woodworking Mills. Ransome Concrete Machinery Co., Dunellen, N. J.
Ransom Grinding Machinery. Ransom Mfg. Co., Oshkosh, Wis.
Ransomite Bond Concrete. Ransome Concrete Machy. Co., Dunellen, N. J.
Raphael Eleclamp Posts. Casey-Hedges Co., Chattanooga, Tenn.
Rapid Action Valves. Jenkins Bros., New York.
Rapid Automatic Water Heaters. J. C. Higgins Mfg. Co., San Diego, Cal.
Rapid Car Unloader. Lidgerwood Mfg. Co., New York.
Rapid Clothes Washing Machines. Metal Barrel Co., Galesburg, Ill.; Richmond Cedar Works, Richmond, Va.
Rapid D. O. S. Piston Ring. Chance Company, Centralia, Mo.
Rapid Fire Dry Batteries. Nungesser Carbon & Battery Works of Nat'l Carbon Co., Cleveland, O.
Rapid Fire Machine Drills. Diamond Expansion Bolt Co., New York.
Rapid Fireless Cookers. Wm. Campbell Co., Detroit, Mich.
Rapid Floor Surfacer. M. L. Schlueter, Chicago.
Rapid Force and Lift Pumps. Wm. Powell Co., Cincinnati, O.
Rapid Fruit Corers. Landers, Frary & Clark, New Britain, Conn.
Rapid Grist Mills. Fate-Root-Heath Co., Plymouth, O.
Rapid Loaders. Bonney Supply Co., Rochester, N. Y.
Rapid Log Loader. Clyde Iron Works, Duluth, Minn.
Rapid Metal Polish. Baum's Castoria Co., Rome, N. Y.
Rapid Molding Machines, Squeezers, Flask Fittings. Federal Malleable Company, West Allis, Wis.
Rapid Paint and Varnish Remover. Indianapolis Paint & Color Co., Indianapolis, Ind.
Rapid Pocket Cutter for Window Frames. Horsford Bros., San Francisco, Cal.
Rapid Post Hole Diggers. Hy. Disston & Sons, Philadelphia.
Rapid Potato Mashers. Browne & Dowd Mfg. Co., Meriden, Conn.
Rapid Power Shears. Otis L. Fuller Co., Goshen, Ind.
Rapid Ready Change Carriers. Chas. Etter & Son, Harrisburg, Pa.
Rapid Roller Copier Presses. Yawman & Erbe Mfg. Co., Rochester, N. Y.
Rapid Root and Vegetable Cutter. Silver Mfg. Co., Salem, O.
Rapid Shine Polish. Rapid-Shine Products Co., St. Louis, Mo.
Rapid Tonnage Producer Molding Machines. Federal Malleable Co., West Allis, Wis.
Rapid Transit Dumb Waiters. Energy Elevator Co., Philadelphia.
Rapid Transit Vises. Prentiss Vise Co., New York.
Rapid Transit Wrenches. Armstrong Mfg. Co., Bridgeport, Conn.
Rapid Unloaders. Lidgerwood Mfg. Co., New York.
Rapid Zeolite Water Softeners. The Permutit Co., New York.
Rapidayton Gasoline and Oil Storage Systems, Self-Measuring Pumps. The Dayton Pump & Mfg. Co., Dayton, O.
Rapidcut Valve Grinding Compounds. S. B. R. Specialty Co., East Orange, N. J.
Rapid-Easy Garden Weeders. W. J. Clark Co., Salem, O.
Rapido Closets. Crane Co., Chicago.
Rapidograph Duplicator. Duplico Mfg. Co., New Brunswick, N. J.
Rapp Revivifier for Molding Sand. Link-Belt Co., Chicago, Indianapolis, Philadelphia; H. W. Caldwell & Son, Chicago.
Rasco Radio Detectors. Radio Specialty Co., New York.
Rateau Steam Regenerators. Rateau Steam Regenerator Co., N. York.
Rat Finis. Enoz Chemical Co., Chicago.
Ratan Leather Belting. Hudson Belting Co., Worcester, Mass.
Ratbone Multiple Type Molding Machine. Grimes Molding Machine Co., Detroit, Mich.
Ratchet Gypsey Windlasses. Thos. Laughlin Co., Portland, Me.
Ratchet Handle Paint and White Wash Spraying Machines. F. E. Myers & Bro., Ashland, O.
Ratchet Handle Pumps. F. E. Myers & Bro., The, Ashland, O.
Ratchet Spiral Rigid Screw Drivers. Geo. E. Gay, Augusta, Me.
Rathbun Vertical Gas Engines. Rathbun-Jones Engng. Co., Toledo.
Rat-Nip. Buffalo Specialty Co., Buffalo, N. Y.
Rattler Plow Potato Diggers. Rock Island Plow Co., Rock Island, Ill.
Ra-Tox Wood Fabric Ventilating Shades. Hough Shade Corp., Janesville, Wis.
Raulang Automobile Bodies. The Baker R & L Company, Cleveland.
Rauch & Lang Automobiles. Rauch & Lang, Inc., Chicopee Falls, Mass.
Rausch Mail Pouch Racks. Universal Draft Gear Attachment Co., Chicago.
Raven Black. L. Martin & Co., New York.
Raven Core Rubber Covered Wire. Illinois Electric Co., Chicago.
Raven Core Wire. New York Insulated Wire Co., New York.
Raven Enamel Magnet Wire; Waterproof Cord. Automatic Electric Co., Chicago.
Raven Enameled Wire. Automatic Electric Co., Chicago.
Raven Japans, Baking and Air Drying. Berry Brothers, Inc., Detroit, Mich.
Raven Lunch Boxes. Reading Saddle & Mfg. Co., Reading, Pa.
Raven Oils and Greases. Crew Levick Co., Philadelphia, Pa.
Raven Padlocks. Fraim-Slaymaker Hdwe. Co., Inc., Lancaster, Pa.
Raven Paste Stove Polish. The United States Graphite Co., Saginaw, Mich.
Raven Rubber Packing. Manhattan Rubber Mfg. Co., Passaic, N. J.
Raven Shoe Blacking and Polishes. Whittemore Bros. Corp., Cambridge, Mass.
Raven Core Rubber Covered Wire. New York Insulated Wire Co., Boston, Mass.
Ravenswood Glass Desk Pads. Ravenswood Office Specialties Co., Chicago.
Ravlwind-Arguto Loopers. Arguto Oilless Bearing Co., Philadelphia.
Raw Belting. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Raw Hide Buckskin Lace Leather. Cal. Tanning Co., St. Louis, Mo.
Rawhide Waterproof Papers, Deadening Felts, Roofings. C. S. Garrett & Son Corp., Philadelphia, Pa.
Rawlplugs. The Rawlplug Co., New York.
Rawls Trackmower. Rawls Machine & Mfg. Co., Chicago.
Rawlings Base Balls, Base Ball and Athletic Shoes, Base Ball Masks. Rawlings Mfg. Co., St. Louis, Mo.
Ray Elastic Expansion Joints. Ray Expansion Joint Co., Akron, O.
Ray Rotary Fuel Oil Burners. W. S. Ray Mfg. Co., San Francisco, Calif.
Ray Socket Wrenches. Packer Auto Specialty Co., Chicago.
Ray Storage Batteries. Ray Battery Co., Ypsilanti, Mich.
Raybestos Brake Bands, Packing and Transmission Linings. Raybestos Co., Bridgeport, Conn.
Raydex Metal Screens. The Omolite Co., Inc., Jamestown, N. Y.
Raydo Liquid Metal Polish. Ulrich & Co., Buffalo, N. Y.
Raydiant Vault and Sidewalk Lights Berger Mfg. Co., Canton, O.
Raydo Metal Polish. Ulrich & Co., Buffalo, N. Y.
Rayfield Carburetors. Findeisen & Kropf Mfg. Co., Chicago.
Rayflector Bathroom Heaters. The Trolley Supply Co., Massillon, O.
Rayford Truck Units. Rayford Co., Philadelphia.
Raymo Lighting Fixtures. Moran & Hastings Mfg. Co., Chicago.
Raymond Brake Bands. Raybestos Co., Bridgeport, Conn.
Raymond Concrete Piles. Raymond Concrete Pile Co., New York.
Raymond Flexible Hook Socket for Log Turners. Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Raymond Granite. Raymond Granite Co., San Francisco, Cal.
Raymond Pulverizing Air Separating Systems. Raymond Bros. Impact Pulverizer Co., Chicago.
Raymond Springs. Raymond Mfg. Co., Ltd., Corry, Pa.
Raymond Windmills. Althouse Wheeler Co., Waupun, Wis.
Raymond's Lead Ferrules. Raymond Lead Wks., Chicago.
Rayn-Ite Composition. Louis G. Zachiel, South Coventry, Conn.
Rayntite Auto Top Materials, Fabrikoid Type. Du Pont Fabrikoid Co., Wilmington, Del.
Rayo Incubators and Brooders. Rayo Incubator Co., Omaha, Neb.
Rayo Lamps and Lanterns. Standard Oil Co., New York.
Rayo Nickel Chromium Resistance Wire. Electrical Alloy Co., Morristown, N. J.
Ray-O-Lite Batteries and Flashlights. French Battery & Carbon Co., Madison, Wis.
Ray-O-Spark Batteries. French Battery & Carbon Co., Madison, Wis.
Ray-O-Vac Batteries. French Battery & Carbon Co., Madison, Wis.
Ray-Placeable Panels or Slabs. Davis, Carpenter & Co., New York.
Ray's Rotary Oil Burners. W. S. Ray Mfg. Co., San Francisco, Cal.
Rayvac Vacuum Cleaners. Ramey Mfg. Co., Columbus, O.
Razor Blade Kitchen Knives. Gibford-Weiffenbach Co., Adrian, Mich.
Razor Edge Butchers' Knives. Meriden Cutlery Co., Meriden, Conn.
Reaction Brush Holders. Baylis Co., Bloomfield, N. J.
Read Bread Mixers. Read Machinery Co., York, Pa.
Readeana Insect Killer. Reade Mfg. Co., Hoboken, N. J.
Read'em Binding Posts. Marshall-Gerken, Toledo, O.
Readina Solution. Reade Mfg. Co., Hoboken, N. J.
Reading Can Openers, Cleavers, Hammers and Gas Pliers. Reading Saddle & Mfg. Co., Reading, Pa.
Reading Car Replacers, Replacer Clamps, Guard Rails and Clamps, Rail Benders. American Chain Company, Inc., Reading Specialty Division, Bridgeport, Conn.
Reading Cast Steel Valves, Flanges and Fittings. Reading Steel Casting Co., Inc., Bridgeport, Conn.
Reading Chain Hoists, Electric Hoists, Trolleys, Traveling Cranes. Reading Chain & Block Corporation, Reading, Pa.
Reading Flag Pole Brackets. Gray Iron Foundry Co., Reading, Pa.
Reading Full Fashioned Hosiery Machinery. Textile Machinery Co., Reading, Pa.
Reading Lawn Mowers, Door Checks, Locks and Knobs. Reading Hardware Co., Reading, Pa.
Reading Pipe. Reading Iron Co., Reading, Pa.
Reading Rail Bender. Reading-Bayone Steel Casting Co., Reading, Pa.
Reading Standard Bicycle Velocipedes. Great Western Mfg. Co., La Porte, Ind.
Reading Used and Rebuilt Machinery. Reading Engineering Co., Inc., Reading, Pa.
Reading Vapor System Heating. Reading Heater & Supply Co., Reading, Pa.
Read-Wyl-U-Ryd Self-Serve-Newspaper Box. Read-Wyl-U-Ryd Co., Dayton, O.
Readrite Voltmeters. Readrite Meter Wks., Bluffton, O.
Read's Window Stop Screws and Washers. A. P. Read Co., Chicago.
Ready Grip Wrenches. Bridgeport Hdwe. Mfg. Corp., Bridgeport, Conn.
Ready-Lite Gasoline Lamps and Lanterns. American Gas Machine Co., Albert Lea, Minn.
Ready-Lite Incandescent Gas Mantles, Lanterns and Table Lamps. American Gas Machine Co., Inc., New York.
Ready Made Signs. L. D. Nelke-Signs-New York (Inc.) New York.
Ready Milling Machine Dogs. Ready Tool Co., Bridgeport, Conn.
Ready Reels, Rods. W. G. Nagel Electric Co., Toledo, O.
Ready Rock Asphalt Roofing. Pioneer Paper Co., Los Angeles, Cal.
Ready Sizer Wood Planing Machines. Stetson-Ross Machine Works, Seattle, Wash.
Ready Thread Conduit Couplings. K. & B. Co., Philadelphia, Pa.
Ready Throttle and Lever Valves. Wm. Powell Co., Cincinnati, O.
Ready Throttle Valves. Wm. Powell Co., Cincinnati, O.
Real Brooms. Columbia Broom Works, Brooklyn, N. Y.
Real Safety Razors. Geo. W. Korn Razor Mfg. Co., Little Valley, N. Y.
Realflex Armored Cable. Youngstown Sheet & Tube Co., Youngstown, O.
Realflex Steel Armored Flexible Conductors. Youngstown Sheet & Tube Co., Youngstown, O.
Realite Mechanical Pencil. Autopoint Company, Chicago.
Real-Lin Economic Linseed Oil. Am. Wood Preserving Co., Chicago.
Realock Locknuts. Flannery Bolt Co., Pittsburgh, Pa.
Real Solid Aluminum Hollow Ware. Buckeye Aluminum Co., Wooster, O.
Reardon's Dry Paste. The Reardon Company, St. Louis, Mo.
Rearwin Die Filing Machines. Oliver Machy. Co., Grand Rapids, Mich.; W. D. Rearwin, Grand Rapids, Mich.
Rearwin Emery Wheel Dressers. H. A. Stocker Machinery Co., Ch'go.
Rease Economy Steam Heaters. International Heater Co., Utica, N. Y.
Rea's Self-Piercing Bull's Rings. Wm. E. Pratt Mfg. Co., Chicago.
Rearwin Spiral Emery Dressers, Cutters, and Handles. Quadriga Mfg. Co., Chicago.
Reba Wood Stoves. Gray & Dudley Hdwe. Co., Nashville, Tenn.
Rebco Piston Rings. Reus Bros. Co., Baltimore, Md.
Rebus Hose. J. W. Buckley Rubber Co., New York.
Recco Plastic Paint. Gibson Homans Co., Cleveland.
Recco Centrifugal Pumps. Rider-Ericsson Engine Co., New York.
Receivador Wall Cabinets. Frank J. Matchette, Milwaukee, Wis.
Recenter Files Heddles. Firth-Smith Co., Boston, Mass.
Recess Baths, Drinking Fountains and Lavatories. Crane Co., Chi'go.
Reciprocating Track Grinders. Railway Track-Work Co., Philadelphia, Pa.
Reco Band Saws. Reynolds & Co., Philadelphia.
Reco Concrete Reinforcing Materials. Reinforced Concrete Co., St. Louis, Mo.

Reco Electric Sign Flashers and Electric Sign Reflectors. Reynolds Electric Co., Chicago.
Reco Gasoline Truck Tanks; Storage Tanks; Septic Tanks. Richmond Engineering Co., Richmond, Va.
Recola Loud Speakers. Radio Electric Co., Freemont, O.
Record Babbitt Metal. Union Smelting & Refining Co., Newark, N. J.
Record Calculating Machines. Doty Business Machines Co., Chicago.
Record Packet and Syrup Cans and Sap Sprouts. Am. Can Co., New York.
Record Padlocks. Sargent Co., New Haven, Conn.
Record Universal Joints. Nilson-Miller Co., Hoboken, N. J.
Record Tank Heaters. B. F. Freeland Sons Co., Sturgis, Mich.
Recordograf Instrument. American Taximeter Co., New York, N. Y.
Rectangular Churns. A. H. Reid Creamery & Dairy Supply Co., Phila.
Recti Bells and Buzzers. Edwards & Co., Inc., New York.
Rectigon Battery Charger. Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
Rectigraph Photo Copying Machines and Photographic Paper. Rectigraph Co., Rochester, N. Y.
Rectigraph Photographic Copying Machine. Rectigraph Co., Rochester, N. Y.
Rector Incandescent Gas Mantles. Eclipse Light Co., New York.
Red Breast Packing. Mercer Rubber Co., Hamilton Square, N. J.
Red Acre Agricultural Suction Hose. Quaker City Rubber Co., Phila.
Red Arrow Explosives (For Export Only). Du Pont de Nemours & Co., E. I., Wilmington, Del.
Red Atlas Air Brake Hose. Gustin-Bacon Mfg. Co., Kansas City, Mo.
Red Black Insulating Compounds. Consumers' Rubber Co., Cleveland.
Red Bull Nail Pullers. Bridgeport Hdwe. Mfg. Co., Bridgeport, Conn.
Red Brick Mortar Color. Ricketson Mineral Paint Works, Milwaukee, Wis.
Red Cap Brooms and Brushes. Indianapolis Brush & Broom Mfg. Co., Indianapolis, Ind.
Red Chief Corn Shells. Brinley-Hardy Co., Louisville, Ky.
Red Chief Feed Grinding Mills. Red Chief Mfg. Co., Louisville, Ky.
Red-Chief Rubber Belting. Webb Belting Co., Kansas City, Mo.
Red Clipper Pruning Shears. Clyde Cutlery Co., Clyde, O.
Red Cloud Abrasive Wheels and Stones. Scranton Whetstone & Abrasive Wheel Co., Scranton, Pa.
Red Cloud Ball Bearing Lawn Mower. Penna Lawn Mower Works, Philadelphia.
Red Cloud Oilstones. Scranton Whetstone & Abrasive Wheel Co., Scranton, Pa.
Red Core Insulated Conductors. General Electric Co., Schenectady, N.Y.
Red Core Packing. Boston Belting Corp., Boston, Mass.
Red Core Piston Packing. Crandall Packing Co., Palmyra, N. Y.
Red Crescent Gaskets and Packing. Revere Rubber Co., Chelsea, Mass.
Red Cross Belt Dressing. W. D. Allen Mfg. Co., Chicago.
Red Cross Cements and Compounds. Edgecombe Co., Cuyahoga Falls, O
Red Cross Commutator Compounds. Hart & Co., Fostoria, O.
Red Cross Dynamite. E. I. du Pont de Nemours & Co., Inc., Explosives and Smokeless Powder Depts., Wilmington, Del.
Red Cross Fire Hose. Eureka Fire Hose Mfg. Co., New York.
Red Cross Metal Washboards. Nat'l Washboard Co., Chicago.
Red Cross Packings. W. D. Allen Mfg. Co., Chicago.
Red Cross Pipe Joint Compound. Edgecombe Co., Cuyahoga Falls, O.
Red Cross Rubber Cements. Nat'l Rubber & Specialties Co., Cincinnati, O.
Red Cross Shoes. The Krohn-Fechheimer Co., Cincinnati, O.
Red Cross Soda Water Fountains. Bishop & Babcock Co., Cleveland.
Red Cross Stoves and Ranges. Co-Operative Fdry Co., Rochester, N. Y.
Red Cross Water Filters. Red Cross Filter Co., Chicago.
Red Cross Windmills, Pumps, etc. Red Cross Mfg. Co., Bluffton, Ind.
Red Crown Gasoline. Standard Oil Company (Indiana), Chicago.
Red Cut High Speed Steel. Edgar T. Ward's Sons, New York.
Red Devil Cement. Union Portland Cement Co., Ogden, Utah.
Red Devil Linemen's Tools. Irvington Mfg. Co., Irvington, N. J.
Red Devil Massage Vibrators. New Britain Tool & Mfg. Co., New Britain, Conn.
Red Devil Meat Choppers and Tools. Smith & Hemenway Co., Irvington, N. J.
Red Devil Paint, Varnish, Plaster. Ronnous, Kleinle & Co., Baltimore, Md.
Red Devil Pliers, Glass Cutters and Hand Tools. Smith & Hemenway Co., New York.
Red Devil Rivet Cutters. Rice Mfg. Co., Indianapolis, Ind.
Red Devil Steel Garage Broom. Worcester Brush & Scraper Co., Worcester, Mass.
Red Devil Water Motors. Divine Bros. Co., Utica, N. Y.
Red Diablo Packing. Bowers Rubber Wks., San Francisco, Cal.
Red Diamond Carbolic Acid. Liquid Carbonic Co., Chicago.
Red Diamond-Everlastic Brattice. Goodin, Reid & Co., Cincinnati, O.
Red Diamond Packing. Combination Rubber Mfg. Co., Bloomfield, N. J.; Pioneer Rubber Mills Co., Bloomfield, N. J.
Red Dragon Belt Dressing, Belt Cements, Pulley Covering. Chemical & Engineering Co., Watertown, N. Y.
Red-E-All Stucco. Am. Magnestone Corp., Springfield, Ill.
Red E Boring Bars, Thread Cutting Tools, Tool Holders and Sets, Center Grinders and Lathe Centers. Ready Tool Co., Bridgeport, Conn.
Red Edge Scoops, Shovels and Picks. The Wyoming Shovel Works, Wyoming, Pa.
Red Electric Vibrator. Foundry Supplies Mfg. Co., Chicago.
Red Feather Blow-Out Patches. Beckley-Ralston Co., Chicago.
Red Field Agricultural Suction Hose. Quaker City Rubber Co., Phila.
Red Giant Valve Cups. Parker Cup & Specialty Works, Inc., Parkers Landing, Pa.
Red Hand Paints. Red Hand Compositions Co., New York.
Red H Permissible Powder. Hercules Powder Co., Wilmington, Del.
Red Hand Riveting Machines. F. H. Smith Mfg. Co., Chicago.
Red Hawk Roofing Paper. C. B. Hewitt & Bros., New York.
Red Head Brand Canvas and Leather Products. Alward-Anderson-Southard Co., Chicago.
Red Head Head Sets. Newman Stearn Co., Cleveland, O.
Red Head Shovels, Spades, Scoops, Posthole Diggers and Wooden Handles. Baldwin Tool Works, Parkersburg, W. Va.
Red Head Vitristone Insulator. Emil Grossman Mfg. Co., Brooklyn, N. Y.
Red Hoop Oil Cans; Shipping Cans. Conneaut Can Co., Conneaut, O.
Red Hot Gasoline Blow Torches, Melting Ladles, Solder Pots. Ashton Mfg. Co., Newark, N. J.
Red-Hot Heating Stoves. B. C. Bibb Stove Co., Baltimore, Md.
Red Hot Tank Heaters. Hunt, Helm, Ferris & Co., Harvard, Ill.
Red Indian Type Interwoven Belting. O'Meara Belting Co., Omaha, Neb.
Red Jacket Boiler Cleaners. Midland Brass Works, Fort Worth, Tex.
Red Jacket Canvas Stitched Belting. National Belting Co., Elyria, O.
Red-Jacket Potato Sprayer. Field Pump Co., Elmira, N. Y.
Red Jacket Pumps and Valves. Red Jacket Mfg. Co., Davenport, Ia.
Red Jacket Steam Hose. Consolidated Rubber Co., Trenton, N. J.
Red Jacket Steam Packing. Gutta Percha & Rubber Mfg. Co., New York.
Red Jacket Tube Cleaners. H. W. Caldwell & Son, Chicago.
Red Label Bibbs. Peck Bros., New Haven, Conn.
Red Label Brick Cutting Wire. Webb Wire Wks., New Brunswick, N. J.
Red Label Dry Batteries. Western Electric Co., New York.
Red Label Steel Wagon Skeins. American Skein & Foundry Co., Racine, Wis.
Red Lead Lute. The Low Brothers Co., Dayton, O.
Red Letter Liquid and Paste Wood Fillers, Paints and Varnish Wood Stains. S. E. M. Rice Filler Co., Irvington, N. J.
Redline Draft Gauges. American Schaeffer & Budenberg Corp., Brooklyn, N. Y.
Red Line Gauge Glasses. H. A. Rogers Co., New York.
Red Line Hoists. Clinton E. Hobbs Co., Boston, Mass.
Red Line Lubricating Oils and Greases. Union Oil Co., Los Angeles, Calif.
Red Lock Clutch Pedal Control. Phila. Coppersmithing Co., Phila.
Red Man Auto, Fruit, Waste Paper Baskets and Clothes Hampers. W. C. Redman Sons & Co., Dept. H, Peru, Ind.
Red Man Axes. American Axe & Tool Co., Glassport, Pa.
Red Metal Sash Chain. Smith & Egge Mfg. Co., Bridgeport, Conn.
Red Mount Canned Goods. National Packing Corp., Ogden, Utah.
Red Oak Flooring. Mitchell Bros. Co., Cadillac, Mich.
Red Oak Rubber Hose. National India Rubber Co., Bristol, R. I.
Red Oak Sheet Packing. N. J. Car Spring & Rubber Co., Jersey City, N. J.
Red Pyramid Speed Trucks. Service Motor Truck Co., Wabash, Ind.
Red Racer Children's Vehicles. Manumotors Co., Manitowoc, Wis.
Red Rib Door Hangers. Safety Door Hanger Co., Ashland, O.
Red Rib Hanger Tracks. Topping Mfg. Co., Ashland, O.
Red Ridge Axes. American Axe & Tool Co., Glassport, Pa.
Red Ring Portland Cement. Missouri Portland Cement Co., St. Louis, Mo.
Red River Blast Furnaces. Red River Co., Clarksville, Tenn.
Red River Special Threshing Machinery and Traction Engines. Nichols & Shepard Co., Battle Creek, Mich.
Red Rope Insulating Paper. Consumers Rubber Co., Cleveland, O.
Red Rose Sheet Packing. Home Rubber Co., Trenton, N. J.
Red Rustless Cement Pipe Joint. Eagle Paint & Varnish Co., Pittsburgh, Pa.
Red Seal Boiler Compounds. Cherry Chemical Co., Philadelphia, Pa.
Red Seal Brand Red Cedar Shingles. The C. A. Mauk Lumber Co., Toledo, O.
Red Seal Chamois. Lasker & Bernstein, New York.
Red Seal Crayons. Standard Crayon Mfg. Co., Danvers, Mass.
Red Seal Dry Batteries. Manhattan Electrical Supply Co., Inc., New York.
Red Seal Gum Core Packing. Belmont Packing & Rubber Co., Philadelphia, Pa.
Red Seal Hose and Packing. Clement Restein Co., Philadelphia, Pa.
Red Seal Lye; Chloride Lime; Borax Soap. P. C. Tomson & Co., Philadelphia, Pa.
Red Seal Oxide of Zinc. New Jersey Zinc Co., New York.
Red Sentry Gasoline Pump. S. F. Bowser & Co., Fort Wayne, Ind.
Red Sheets Packing. Voorhees Rubber Mfg. Co., Jersey City, N. J.
Red Shield Dry Batteries. Wesco Supply Co., St. Louis, Mo.
Red Skin Sheet Packing. Hewitt Rubber Co., Buffalo, N. Y.
Red Skookum (Brass Wire Inserted) Packing. Pioneer Rubber Mills, San Francisco, Cal.
Red Snake Rubber Hose. Electric Hose & Rubber Co., Dept. H., Wilmington, Del.
Red Snake Braided Hose. Electric Hose & Rubber Co., Wilmington, Del.
Red-Spitters Fuses. Star Electric Fuse Works, Wilkes-Barre, Pa.
Red Spot Lighting Fixtures. F. W. Wakefield Brass Co., Vermillion, O.
Red Spot Paints and Varnishes. Evansville Paint & Varnish Co., Evansville, Ind.
Red Square Roofing. Colette T. Overton, Towanda, Pa.
Red Star Brewers' Pitch. American Pitch Co., Cincinnati, O.
Red Star Boiler Compounds. Lake Erie Mfg. Co., Buffalo, N. Y.
Red Star Lubricating Oils and Greases. A. W. Harris & Co., N. York.
Red-Star Oil and Gasoline Stoves. Detroit Vapor Stove Co., Detroit, Mich.
Red Star Oil Stones. Detroit Vapor Stone Co., Detroit, Mich.
Red Star Powder Polish. J. A. Wright & Co., Keene, N. H.
Red Star Rubber Hose. Fabric Fire Hose Co., New York.
Red Star Step Ladders. Pratt Mfg. Co., Coldwater, Mich.
Red Star Sanitary Wiping Rags. Sanitary Rag Co., Kalamazoo, Mich.
Red Star Steel. Colonial Steel Co., Pittsburgh, Pa.
Red Star (Texaco) Miners' Oil. The Texas Company, New York.
Red Star Tinners. Advance Automobile Accessories Corp., Chicago.
Red Star Washboards. National Washboard Co., Chicago.
Red Star Wheelbarrows, Concrete Carts, Coal Chutes, Mortar Boxes. The Cleveland Wheelbarrow & Mfg. Co., Cleveland, O.
Red Star Yeast. Red Star Yeast & Products Co., Milwaukee, Wis.
Red Star Brand Colored Wipers. Sanitary Rag Co., Kalamazoo, Mich.
Red Strand Fences, Farm, Hog and Cattle. Keystone Steel & Wire Co., Peoria, Ill.
Red-Strand Wire Rope. A. Leschen & Sons Rope Co., St. Louis, Mo.
Red Streak High Speed Knives. Simmonds Saw and Steel Co., Fitchburg, Mass.
Red Strip Bend Belting. Gutta Percha & Rubber Mfg. Co., New York.
Red Sun Scissors and Shears. Acme Shear Co., Bridgeport, Conn.
Red Sunset Sheet Packing. Bowers Rubber Wks., San Francisco, Cal.
Red Tip Brass and Copper Rod, Tubings, Forgings, and Castings. Mueller Metals Co., Port Huron, Mich.
Red Tip Calks and Horse Shoes. The Neverslip Works of the Mfrs. Iron & Steel Co., New Brunswick, N. J.
Red Top Axes. Mann Edge Tool Co., Lewiston, Pa.
Red Top Steel Fence Posts. Red Top Steel Post Co., Chicago.
Red Top Steel Posts. The Maintenance Equipment Co., Chicago.
Red Tye Mailing Bags. Milwaukee Bag Co., Milwaukee, Wis.
Red Warrior Axes. American Axe & Tool Co., Glassport, Pa.
Red Warrior Valves. New Jersey Asbestos Co., New York.
Red Whale Brand Waterproof Clothing. Waterproofed Products Co., Oakland, Cal.
Red Wing Linseed Oil. Pittsburgh Plate Glass Co., Pittsburgh, Pa.
Red Wing Packing. Goodyear Rubber Co. & Rubber Clothing Co., New York.
Red and Ready Gas Engines. Havana Mfg. Co., Havana, Ill.
Redbestos Packing. A. W. Chesterton Co., Boston, Mass.
Redbird Garden Hose. Electric Hose & Rubber Co., Wilmington, Del.

Redcone Linen Fire Hose. Fenwick-Reddaway Mfg. Co., Newark, N. J.
Redcord Garden Hose. Electric Hose & Rubber Co., Wilmington, Del.
Redden Attachment Truck Meter. Reddin Motor Truck Co., Detroit, Mich.
Redden Quail Brooms and Brushes. Richard Haughton, Paoli, Pa.
Reddevil Treating Compound. Black Eagle Mfg. Co., Birmingham, Ala.
Reddick Mole Traps. Michigan Wire Goods Co., Niles, Mich.
Redding 3-Minute Belt Clamp. Higgins Machinery Co., Seattle, Wash.
Red-E Buffs. A. P. Munning & Co., Matawan, N. J.
Red-E Tools. Ready Tool Co., Bridgeport, Conn.
Redemotors Gas Engines. Elgin Wheel & Engine Co., Elgin, Ill.
Redfeather Corn Brooms. Universal Broom Co., Chattanooga, Tenn.
Redfield Hollow Cork Fishing Tackle. F. E. Chester Mfg. Co., Providence, R. I.
Redfield Suction Hose. Quaker City Rubber Co., Philadelphia.
Redfin Rubber Hose. Electric Hose & Rubber Co., Wilmington, Del.
Red-i-Kut Paper Patterns for Motor Car Bodies. The Kuempel Co., Dubuque, Ia.
Redflex Warning Signals. Automatic Signal & Sign Co., Chicago.
Redimade Portable Houses and Garages. Redimade Building Co., Los Angeles, Cal.
Redin-Ekstrom Metal Punches. Redin, Ekstrom & Co., Rockford, Ill.
Reding Garden Hose. Quaker City Rubber Co., Philadelphia, Pa.
Redington Automatic Carton Opening, Filling and Closing Machine. F. B. Redington Co., Chicago.
Redington Counters and Flue Cutters. F. B. Redington Co., Chicago.
Redington Counting Machine. F. B. Redington Co., Chicago.
Redipoint Pencil. Brown & Bigelow, Inc., St. Paul, Minn.
Redlands Pruning Shears. Smith, Seymour & Son, Oakville, Conn.
Redline Differential Draft and Gauge. American Schaeffer and Budenberg Corp., Brooklyn, N. Y.
Redmanol—a trade name owned by Bakelite Corp., New York. See Bakelite.
Red Nut Stillson Pipe Wrench. Henry & Allen, Auburn, N. Y.
Redoxo Soapstone and Red Talc. Bull Run Talc & Soapstone Co., Clifton Station, Va.
Redrib Garden Hose. Electric Hose & Rubber Co., Wilmington, Del.
Redskin Belting. Quaker City Rubber Co., Philadelphia.
Redskin Rubber Belting. Quaker City Rubber Co., Philadelphia.
Redtex Plumbers' Rubber Goods. Canfield Rubber Co., Bridgeport, Conn.
Redtex Rubber Goods. Canfield Rubber Co., Bridgeport, Conn.
Redtop Electric Irons, Toasties, Stoves, Etc. Redtop Electric Co., New York.
Redtop Garden Hose. Electric Hose & Rubber Co., Wilmington, Del.
Reducing Oil QD. James B. Sipe & Co., Bridgeville, Pa.
Redwing Linseed Oil. Pittsburgh Plate Glass Co., Linseed Division, Red Wing, Minn.
Redwood Stoves. Pittston Stove Co., Pittston, Pa.
Reece's New Screw Plates. Butterfield & Co., Div. of Union Twist Drill Co., Derby Line, Vt.
Reeco Engines and Pumps. Rider-Ericson Engine Co., New York.
Reeco Motor Cars. Railway Contracting & Equip. Co., Indianap., Ind
Reed Bench Vises. Reed Mfg. Co., Erie, Pa.
Reed Chucks. R. H. Brown & Co., West Haven, Conn.
Reed Concrete Clips. Union Steel Products Co., Ltd., Albion, Mich.
Reed Cultivators. Reed Foundry & Mach. Co., Kalamazoo, Mich.
Reed Cylinder Grease. Reed Oil Co., Atlanta, Ga.
Reed Enameled Ware, Galvanized Ware, Tinware, Etc. Reed Mfg. Co., Newark, N. Y.
Reed Hay Fork Pulleys. F. E. Myers & Bro., Ashland, O.
Reed Lathes. Reed-Prentice Co., Worcester, Mass.
Reed Matchless Metalware, Reed Mfg. Co., Newark, N. J.
Reed Milling Machines. Reed-Prentice Co., Worcester, Mass.
Reed Micrometers. Reed Small Tool Wks., Worcester, Mass.
Reed Pipe Tools. Reed Mfg. Co., Erie, Pa.
Reed Island Blast Furnaces. Va. Iron, Coal & Coke Co., Roanoke, Va.
Reed-Prentice Milling Machines. Reed-Prentice Co., Worcester, Mass.
Reeds Railroad Shovels. Reed Railway Supply Co., St. Louis, Mo.
Reeds Super-cut Edge Tools. Reed Railway Supply Co., St. Louis, Mo.
Reedy Elevators. H. J. Reedy Co., Cincinnati, O.
Reel Eezy Garden Hose Reels. Am. Fork & Hoe Co., Cleveland, O.
Reelite Extension Portable Lights. Appleton Electric Co., Chicago.
Rees Automobile Jacks. Iron Trade Products Co., Pittsburgh, Pa.
Rees Double Worm Gear Drive Jacks. Rees Mfg. Co., Pittsburgh, Pa.
Reese Broom Corn Cleaners. F. W. Reese, Paris, Ill.
Reese Roof Joint. E. L. Parker & Nimmo Co., Baltimore, Md.
Reeves Bevels, Butt Gauges. William Williams, Jr., New Britain, Conn.
Reeves Engines. Hope Forge & Machine Co., Mt. Vernon, O.
Reeves Manganese Bronze Wheels. Paul S. Reeves & Co., Phila.
Reeves Power Transmission Appliances. Reeves Pulley Co., Columbus, Ind.
Reeves Sheets; Roofing; Stove Pipe Elbows; Metal Ceiling. The Reeves Mfg. Co., Dover, O.
Reeves Split Wood Pulleys. Strong, Carlisle & Hammond Co., Cleveland, O.
Reeves Threshers, Traction Engines, Wind Stackers, Grain Separators. Emerson-Brantingham Co., Rockford, Ill.
Reeves Variable Speed Transmission, Friction Clutches, Wood Pulleys and Power Transmission Machy. Reeves Pulley Co., Columbus, Ind.
Reeves Vertical Engines. A. D. Granger Co., New York.
Reeves Wood Preserver. The Reeves Co., New Orleans, La.
Re-Fil Index Tabs. Dawson Mfg. Co., St. Louis, Mo.
Re-Fil-It Brooms and Brushes. Re-Fil-It Broom Mfg. Co., Boston, Mass.
Refinite, Nature's Water Softener. The Refinite Co., Omaha, Neb.
Refinite, Rapid Pressure Filter. The Refinite Co., Omaha, Neb.
Reflecto Auto Mirrors. Unbreakable Mirror Co., Hackettstown, N. J.
Reflectoglas Lenses. Merry Optical Co., Kansas City, Mo.
Reflecto-Lux Post Tops. Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
Reflector Socket. Benjamin Electric Mfg. Co., Chicago.
Reflectolyte Fixtures. Reflectoyle Co., St. Louis, Mo.
Reflectric Illuminated Signs. Western Display Co., St. Paul, Minn.
Reflex Gas Lamps and Mantles. Welsbach Co., Philadelphia, Pa.
Reflex Gauge Glasses. Macbeth-Evans Glass Co., Pittsburgh, Pa., H. A. Rogers Co., New York.
Reflex Hot Air Furnaces. W. F. Gammeter, Cadiz, O.
Reflex Mica Cylinders. Storrs Mica Company, Oswego, N. Y.
Reflex Mill Whites. Briggs-Maroney Co., Everett, Mass.
Reflex Paint. Briggs Maroney Co., Inc., Everett, Mass.
Reflex Spark Plugs; Battery Chargers; Electric Soldering Irons. The Reflex Spark Plug Co., Cleveland, O.
Reflex Transmission Linings for Fords. Reflex Mfg. Co., Ft. Wayne, Ind.
Reflex Water Gauges. Jerguson Gage & Valve Co., Boston, Mass.; Sargent Co., Chicago; Wiltbonco Mfg. Co., Boston.
Reflexalite Enamel Paints. Keystone Varnish Co., Brooklyn, N. Y.
Reflux Forty Traps and Radiator Vents. Jas. P. Marsh & Co., Chicago.
Reflux Junior Traps and Radiator Vents. Jas. P. Marsh & Co., Chicago.
Reflux Vacuum Heating Valves. Jas. P. Marsh & Co., Chicago.
Reflux Junior Vacuum Traps. Jas. P. Marsh & Co., Chicago.
Reflux Traps and Radiator Valves. Jas. P. Marsh & Co., Chicago.
Reform Currycombs. New York Stamping Co., Brooklyn, N. Y.
Reform Steel Tube Thermometers. American Schaeffer & Budenberg Corp., Brooklyn, N. Y.
Reform Thermometers. American Schaeffer and Budenberg Corp., Brooklyn, N. Y.
Refracts Firebrick. Union Mining Co., Baltimore, Md.
Refrigo Automatic Refrigerating Machines. Refrigo Corp., Milwaukee Wis.
Regal-Anti Leak Stick. Johns-Manville, Incorporated, New York.
Regal Automobiles. Regal Motor Car Co., Detroit, Mich.
Regal Automatic Water Heater. General Water Heater Corp., Los Angeles, Cal.
Regal Braid Sash Cords. Puritan Cordage Mills, Louisville, Ky.
Regal Coatings and Finishes. Antakwa Co., Chicago.
Regal Coffee Mills. Landers, Frary & Clark, New Britain, Conn.
Regal Concrete Barrows. American Steel Scraper Co., Sidney, O.
Regal Dashboard Clocks. Post & Lester Co., Hartford, Conn.
Regal Dynamo Oil. Rex Oil Co., Chicago.
Regal Flue Stops. Roseland Can & Specialty Co., Rockford, Ill.
Regal Flush Valves. F. M. Webb Mfg. Co., Boston, Mass.
Regal Hand Clothes Washers. Blackstone Mfg. Co., Jamestown, N. Y.
Regal Hot Air Furnaces. W. G. McPherson Co., Portland, Ore.
Regal Kerosene Lamp Burners. Wheeling Stamping Co., Wheeling, W. Va.
Regal Lavatories and Fittings. Haines, Jones & Cadbury Co., Phila.
Regal Leather Belting. Regal Belting Co., Cincinnati, O.
Regal Marine Engines. Regal Gasoline Engine Co., Coldwater Mich.
Regal Packing Gaskets. Quaker City Rubber Co., Philadelphia.
Regal Packing. Quaker City Rubber Co., Philadelphia, Pa.
Regal Roofing and Sheathing. Johns-Manville, Incorporated, New York.
Regal Safety Pins. Seymour Metal Goods Co., Seymour, Conn.
Regal Soap Powder. Theo. B. Robertson Products Co., Chicago.
Regal Steam Engines. Ames Iron Works, New York.
Regal Swedes Cut Tacks. G. G. Roberts Corp., Whitman, Mass.
Regal Table Silverware and Nickel and Silver Plated Knives and Forks. Regal Silver Mfg. Co., New Haven, Conn.
Regal (Texaco) Lubricating Oil. The Texas Company, New York.
Regal Water Closets. Sanitas Mfg. Co., Boston.
Regan's Metallic Shingles. Cincinnati Stamping Co., Cincinnati, O.
Regenerative Flaming Arc Light Carbons. National Carbon Co., Long Island City, N. Y.
Regent Acid Proof Belting and Packing Mfrs. Sheet Packing. Darcoid Co., New York.
Regent Babbitt Metal. More-Jones Brass & Metal Co., St. Louis, Mo.
Regent Cotton Hose. W. H. Salisbury & Co., Inc., Chicago.
Regent Hose and Packing. Dominion Asbestos & Rubber Corp., New York.
Regina Packing. Crandall Packing Co., Palmyra, N. Y.
Regent Stoves and Steel Ranges. Pueblo Brass & Iron Foundry, Pueblo, Colo.
Regina Vacuum Cleaners. Regina Co., New York.
Regis Card Tables. E. T. Burrowes Co., Portland, Me.
Regis Dry Hoppers. Railway Curtain Co., Chicago.
Regis Syphon Jet Water Closets. Central Metal & Supply Co., Baltimore, Md.
Reg O Valves. Bastian-Blessing Co., Chicago.
Rego Welding and Cutting Apparatus. Bastian-Blessing Co., Chicago.
Regular Rowlocks. Thos. Laughlin Co., Portland, Me.
Regular Sheet and Square Pump. Boston Belting Corp., Boston.
Rehn's Water Softening and Purifying Apparatus. Compound Injector & Specialty Co., Chicago.
Reichert Adjustable Steel Molds. Reichert Mfg. Co., Milwaukee, Wis.
Reichert Microscopes. Herman A. Holz, New York.
Reichert Tire Chains for Auto Trucks and Pleasure Cars. Imperial Bit & Snap Co., Racine, Wis.
Reid Check Valves. N. O. Nelson Mfg. Co., St. Louis, Mo.
Reid Drill Chucks. R. H. Brown & Co., New Haven, Conn.
Reid Gas Engines. Frick-Reid Supply Co., Pittsburgh, Pa.
Reid Safety Frog. Egyptian Iron Works, Inc., Murphysboro, Ill.
Reid Screw Drivers, Churns, Cream Separators. A. H. Reid Creamery & Dairy Supply Co., Haverford, Philadelphia.
Reid Surface Grinders. Reid Bros. Co., Beverly, Mass.
Reid's Creamery Churns. Vermont Farm Mach. Co., Bellows Falls, Vt.
Reilly Feed Water Heaters. Griscom-Spencer Co., New York.
Reilly Inner Tubes. Reilly Rubber Co., Los Angeles, Cal.
Reilly Simplex Steam Pumps. Vogt Brothers Mfg. Co., Inc., Louisville, Ky.
Reilly Steam Pumps. National Fdry. & Mach. Co., Louisville, Ky.
Reilly's Improved Creosote Oil. Republic Creosoting Co., Indianapolis, Ind.
Reindeer Gaskets and Packing. Pennsylvania Rubber Co., Jeanette, Pa.
Reinert Jolting Screens. Link-Belt Co., Chicago.
Reischsanstalt Photometers. Leeds & Northrup Co., Philadelphia.
Rekford High Speed Steel. V. Lowener, New York.
Rekford Superior Steel. Horace T. Potts & Co., Philadelphia.
Rek-Tang Rolled Slot Woven Screens; Mining Screens. The Ludlow-Saylor Wire Co., St. Louis, Mo.
Relax Floor Hinges. Chicago Spring Hinge Co., Chicago.
Relax Spring Hinges. Chicago Spring Hinge Co., Chicago.
Relaxo Couch Hammocks, Juvenile Furniture and Toys. Relaxo Mfg. Co., Los Angeles, Cal.
Reliable Ampro Car Bells and Gongs. Francis Kell & Son, New York.
Reliable Babbit Metal. Kahn Bros., Brooklyn, N. Y.
Reliable Bone Mills. Mountville Mfg. Co., Mountville, Pa.
Reliable Brazier Gas Radiators, Gas Ovens, Gasoline Burners, Heaters, Stoves, Toasters. Reliable Stove Co., Cleveland, O.
Reliable Disc Sharpeners. R. Herschel Mfg. Co., Peoria, Ill.
Reliable Door Hangers, Drop Fire Doors and Rolling Ladders. Allith-Prouty Co., Danville, Ill.
Reliable Dust Arresters, Mills and Fdry. Mchy. Dayton-Dowd Co., Quincy, Ill.
Reliable Electric Hoists. A. J. Cline, Chicago.
Reliable Electric Horse Clippers, Wire Connectors. Reliable Electric Co., Chicago.
Reliable Engines. Reliable Machine Co., Anderson, Ind.
Reliable Extension Ladders. Rich Pump Co., Cincinnati, O.

Reliable Friction Tape Dry Batteries. Gen. Elec. Co., Wheeling, W.Va.
Reliable Gas Stoves, Radiators, Burners, Grates, Gasoline Blow Torches, Oil Stoves and Heaters. American Stove Co., St. Louis.
Reliable Grease Cups. American General Engineering Co., New York; Michigan Lubricator Co., Detroit, Mich.; The Lunkenheimer Co., Cincinnati, O.; W. D. Allen Mfg. Co., Chicago.
Reliable Hose Couplings. Rauch Mfg. Co., Galena, Kan.
Reliable Jacks, Scaffold Brackets, Trestle Brackets and Roofing Brackets. Elite Mfg. Co., Ashland, O.
Reliable Leather Belting. Andrew Cowan & Co., Inc., Louisville, Ky.; Bradford Belting Co., New York.
Reliable Lightning Arresters. Reliable Electric Co., Chicago.
Reliable Low Water Boiler Alarms, Steam Traps. J. E. Lonergan & Co., Philadelphia, Pa.
Reliable Lubricators. American Lubricator Co., Detroit, Mich.
Reliable Measuring Tapes. The Lufkin Rule Co., Saginaw, Mich.
Reliable Plain Oil and Grease Cups. Mich. Lubricator Co., Detroit.
Reliable Puzzle Key Rings. Browne & Dowd Mfg. Co., Meriden, Conn.
Reliable Reinforcing Bar Benders. McKenna Co., Cleveland, O.
Reliable Round Track Door Hangers. Allith-Prouty Co., Danville, Ill.
Reliable Rubber Belting. N. J. Car Spring & Rubber Co., Jersey City, N. J.
Reliable Rubber Roofing. Western Elaterite Roofing Co., Denver, Colo.
Reliable Screw Plates, Taps, Dies and Reamers. Conant & Donelson Co., Conway, Mass.
Reliable Shipping Cans. Roseland Can & Specialty Co., Rockford, Ill.
Reliable Standard Lamp Black. Bihn & Wolff Co., Philadelphia.
Reliable Steel Tape. Lufkin Rule Co., Saginaw, Mich.
Reliable Stoves. Ohio Foundry Co., Cleveland, O.
Reliable Storage Batteries. Storage Battery Supply Co., New York.
Reliable Sulky Hay Rakes. Thomas Mfg. Co., Springfield, O.
Reliable Taps, Stocks and Dies. Conant & Donelson Co., Conway, Mass.
Reliable Two-in-One Molders' Gauge. W. E. Jones, Rochester, N. Y.
Reliable Vacuum Cleaners. Clements Mfg. Co., Chicago.
Reliable Wagon Jacks. Buffum Tool Co., Louisiana, Mo.
Reliable Washboards. National Washboard Co., Chicago.
Reliabuilt Machine Tools. Simmons Machine Co., Albany, N. Y.
Reliance Ammeters and Voltmeters. Reliance Instrument Co., Chicago.
Reliance Batteries. Storage Battery Supply Co., New York.
Reliance Belting, Round Leather Belting, Hydraulic and Flange Leathers, Belt Cement, Cut Soles. Chicago Belting Co., Chicago.
Reliance Blow Torches. Turner Brass Works, Sycamore, Ill.
Reliance Boiler Tubes. Allegheny Steel Co., Pittsburgh.
Reliance Bolt Cutting and Threading Machines. Williams Tool Co., Erie, Pa.
Reliance Brake Beams. Chicago Railway Equipment Co., Chicago.
Reliance Brand Transmission Rope. Waterbury Co., New York.
Reliance Canvas Wheels, Plating Barrels. Chas. F. L'Hommedieu & Sons, Chicago.
Reliance Corn and Cob Mills. Sandwich Mfg. Co., Sandwich, Ill.
Reliance Door Springs. Chicago Spring Hinge Co., Chicago.
Reliance Electric Bells and Speaking Tubes. Keil Francis & Son, New York.
Reliance Electric Motors and Generators. Reliance Electric & Engineering Co., Cleveland, O.
Reliance Elevator and Conveyor Belting. Pioneer Rubber Mills, San Francisco, Calif.
Reliance Engines; Flour and Saw Mill Machinery. Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Reliance Engines and Saw Mill Machy. Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Reliance Factory Fence. Cyclone Fence Co., Waukegan, Ill.
Reliance Feed Water Heaters. Standard Power Equipment Co., Chicago.
Reliance Fire Hose. Boston Coupling Co., Boston.
Reliance Fireproof Doors. Reliance Fireproof Door Co., Brooklyn, N. Y.
Reliance Fish Line. Ashaway Line & Twine Mfg. Co., Ashaway, R. I.
Reliance Force Cups. U. S. Rubber Co., N. Y.
Reliance Garden Cultivators. Whitaker Mfg. Co., Chicago.
Reliance Gauge Cocks, Safety Water Gauges, Seamless Floats, Steam Traps, Water Columns. Reliance Gauge Column Co., Cleveland, Ohio.
Reliance Goodyear Leather Belting; Shoe Welting. Chicago Belting Co., Chicago
Reliance Grease Cups. Lunkenheimer Co., Cincinnati, O.
Reliance Hose. Pioneer Rubber Mills, San Francisco, Cal.
Reliance Horse Nails. Fowler & Union Horse Nail Co., Buffalo, N. Y.
Reliance Hy-Crome Nutlocks. Reliance Mfg. Co., The, Massillon, O.
Reliance Hydraulic Jacks. Phillip S. Justice & Co., Philadelphia.
Reliance Ice Creepers. Jas. B. Holderbaum, Somerset, Pa.
Reliance Irrigation Meters. Randall Control and Hydrometric Corp., Los Angeles, Cal.
Reliance Ledger Binders. Anderson & Prigge, Inc., N. Y.
Reliance Lock Washers; Spring Washers; Spring Lock-Washers and Nut Locks. The Reliance Manufacturing Co., Massillon, O.
Reliance Lubricating Oils and Greases. Haggerty Refining Co., New York.
Reliance Mop Wringers. August Schubert Wagon Co., Oneida, N. Y.
Reliance Numbering Machines. Cushman & Denison Mfg. Co., New York.
Reliance Packing. Mechanical Rubber Co., Cleveland; Pioneer Rubber Mills, San Francisco; Empire Tire & Rubber Corp., Trenton, N. J.
Reliance Pipeless Furnace. B. C. Bibb Stove Co., Baltimore, Md.
Reliance Polish. Chas. F. L'Hommedieu & Sons Co., Chicago.
Reliance Radical Fans and Forced Draft Equipment. Reid & Co., Inc., John, New York.
Reliance Regulators. C. Aneshaensel & Co., Indianapolis, Ind.
Reliance Reinforcing Bars. Interstate Iron & Steel Co., Chicago.
Reliance Rheostats, Ball Bearing Lathes, Dynamos, Buffing and Polishing Compositions, Buffing Compositions. Chas. F. L'Hommedieu & Sons, Chicago.
Reliance Rock Crushers, Stone Crushing Plants, Road Oilers, Street Sprinkling Carts and Sweeping Machinery. Universal Road Machinery Co., Kingston, N. Y.
Reliance Sash Operating Device. Payson Mfg. Co., Chicago.
Reliance Scales. Reliance Weighing Machine Div., Stearns Motor Mfg. Co., Ludington, Mich.
Reliance Self-Lubricating Bushings and Bearings. National Machine & Tool Co., Boston, Mass.
Reliance Shears and Scissors, Tinners Snips. W. H. Compton Shear Co., Newark, N. J.
Reliance Sparking Batteries. Storage Battery Supply Co., New York.
Reliance Steam Traps. Paul B. Huyette, Philadelphia.
Reliance Stone Crushers, Screens, Spreaders, Street Sweepers. Universal Road Machinery Co., Kingston, N. Y.
Reliance Swing Saws. The Kaether Saw Machine Co., Cincinnati, O.
Reliance Trailers and Trucks. Reliance Trailer & Truck Co., San Francisco, Cal.
Reliance Triple Braid Waterproof, Wires, Cords and Cables. American Steel & Wire Co., Chicago.
Reliance Typewriter Ribbons. H. M. Storms Co., New York.
Reliance Weatherproof Wire. Am. Steel & Wire Co., Chicago.
Reliance Wood Fibre Wall Plaster. Empire Gypsum Co., Rochester, N. Y.
Reliance Wrapping Paper. McNulty Paper & Twine Corp., Chicago.
Relief Fire Hose. Republic Rubber Co., Youngstown, O.
Relief Grease and Oil. Palm Oil Co., Mobile, Ala.
Relio Grinders. Van Norman Machine Tool Co., Springfield, Mass.
Relio Leaf Spring Oilers. Brown Spring Oiler Co., Cleveland, O.
Relio Rubber Conveyor Belting. Revere Rubber Co., Chelsea, Mass.
Rellim Toothless Harrows. Miller & Rellim Co., College Corner, O.
Relyo Closet Seats. Haines, Jones & Cadbury Co., Philadelphia.
Rem Oil, Lubricating Oil for Cleaning Guns and Revolvers. Remington Arms Union Metallic Cartridge Co., Inc., New York.
Remco Garbage Cans. Republic Metalware Co., Buffalo, N. Y.
Remco Redwood Tanks and Pipe. Redwood Mfg. Co., San Francisco.
Remco Selective Train Dispatching Equipment. Railway Electric Mfg. Co., Milwaukee, Wis.
Remco, Wood Pipe, Silos and Tanks. Redwood Manufacturers Co., Pittsburg, Cal.
Remek Knife Switches, Transformers. Crocker-Wheeler Co., Ampere, N. J.
Reminder Electric Alarm Clocks. Darche Mfg. Co., Chicago.
Remindo Combined Switch and Buzzer. General Electric Co., Schenectady, N. Y.
Remington Firearms; Ammunition; Cutlery; Cash Registers. Remington Arms Co., Inc., New York.
Remington Ice Machinery. Remington Machine Co., Wilmington, Del.
Remington Oil Engines. Remington Oil Engine Co., New York.
Remington Rifles, Guns, Etc. Remington Arms Co., New York.
Remington Steam Heaters. Phelps Bros. Co., New York.
Remington Typewriters. Remington Typewriter Co., New York.
Remitico Typewriter Supplies. Remington Typewriter Co., New York.
Remlu Picker Leather. Ulmer Leather Co., Norwich, Conn.
Remora Steam Packing. Hy. Johnson Co., Jersey City, N. J.
Removable Card Expanding Wallets. Bushnell Co., Alvah, Philadelphia, Pa.
Re-Move-Able Steel Posts and Flag Poles. Newark Steel Post Co., West Orange, N. J.
Re-mov-all-wire Brushes. Worcester Brush & Scraper Co., Worcester, Mass.
Removerine Plush Cleaning Compound. Wilson-Imperial Co., Newark, N. J.
Re-Mov-It Paint and Varnish Remover. Flint Varnish Wks., Flint, Mich.
Remssco Metal Specialties. Reliance Metal Spinning & Stamping Co., Brooklyn, N. Y.
Remy Igniters. Remy Electric Co., Anderson, Ind.
Remy Magneto Generators, etc. Remy Electric Co., Anderson, Ind.
Renchall Mechanic's Wrenches, Hammers, Pliers and Pincers. Bangert Improved Tool Co., Inc., Union, N. J.
Rendite Powder. Atlas Powder Co., Wilmington, Del.
Renewable Valves. Star Brass Mfg. Co., Boston.
Re-New-Disc Valves, Brass Valves. The Kelly & Jones Co., Greensburg, Pa.
Renew-It Roofing Cement. Hascall Paint Co., Cleveland, O.
Renewable Globe and Angle Valves. Star Brass Mfg. Co., Boston, Mass.
Renewo Blow-Off, Check, Globe, Angle & Cross Valves, Gauge Cocks. Lunkenheimer Co., Cincinnati, O.
Renewo Valves. Lunkenheimer Co., Cincinnati, O.
Renim Junction Boxes, Electric Bell Floor Treads. Renim Specialty Co., Brighton, Mass.
Rennerfelt Electric Arc Furnaces. Hamilton & Hansell, New York.
Renold-Boston Silent Chain Drives. Boston Gear Works Sales Co., Norfolk Downs 71, Mass.
Reno Hard Wall Plaster. Pacific Portland Cement Co., San Francisco.
Reno Milk Cans. Creamery Package Mfg. Co., Chicago.
Reno Oils and Greases. Empire Oil & Grease Company, Oil City, Pa.
Renold Driving Chains. Peter A. Frasse & Co., New York.
Renoleo Boiler Metal Treatment. American Renoleo Co., York, Pa.
Renown Engine Oil. Standard Oil Co. of Ohio, Cleveland, O.
Renown Grease Cups. Wm. Powell Co., Cincinnati, O.
Renown Leather Belting. Akron Belting Co., Akron, O.
Renown Lubricating Oils and Greases. Standard Oil Co., New York.
Renown Furnaces Ranges and Heating Stoves. Independent Stove Co., Owosso, Mich.
Renown Stoves. Independent Stove Co., Owosso, Mich.
Renshaw Ratchet Drills. Pratt & Whitney Co., Hartford, Conn.
Rensselaer Valves. Rensselaer Valve Co., Troy, N. Y.
Re-Nu Auto Finish. W. W. Lawrence & Co., Pittsburgh, Pa.
Re-Nu Carriage Top Dressing. Macbeth Chemical Co., San Francisco
Renu Gauge Cocks and Reflex Water Gauges. Sargent Company, Chicago.
Renulife Belt Dressing. The Tropical Paint & Oil Co., Cleveland, O.
Reo Motor Cars. Reo Motor Car Co., Lansing, Mich.
Repello Asphalt Ready Roofing. Safepeck Mills, Boston, Mass.
Repello Automobile Horns. Premier Electric Co., Chicago.
Re-pel-lo Waterproofed Cotton Duck. John Boyle & Co., New York.
Republic Axes. Rubinow Edge Tool Works, Newark, N. J.
Republic Concrete Mixers. Republic Iron Works, Tecumseh, Mich.
Republic Draft Gear. Western Railway Equip. Co., St. Louis, Mo.
Republic Flow Meters. Republic Flow Meters Co., Chicago.
Republic Flushing Valves. Republic Mfg. Co., Chicago.
Republic Gas Engine Lubricators. W. D. Allen Mfg. Co., Chicago.
Republic Gas Ranges. Republic Stove & Mfg. Co., Cleveland, O.
Republic Leather Belting. Mau-Sherwood Supply Co., Cleveland, O.
Republic Motor Trucks. Republic Motor Truck Co., Inc., Alma, Mich.
Republic Oil Well Belting, Rubber Hose and Tires. Republic Rubber Co., Youngstown, O.
Republic Rubber Hose. Republic Rubber Hose, Youngstown, O.
Republic Tires. The Republic Rubber Co., Youngstown, O.
Republic Transfer Cases. The Republic Box Co., Cleveland, Ohio.
Republic Wash Boilers. Republic Metalware Co., Buffalo, N. Y.
Republic White Enameled Ware. Republic Stamping & Enameling Co., Canton, O.
Requot Hot Water Heaters. Hopson & Chapin Mfg. Co., New London, Conn.
Rerailers Car Replacers. Sargent-Hollingshead Co., Chicago.
Re-Saw Band Sawing Machinery. Cordesman-Rechtin Co., Cincin., O.

Reruco Tubing. U. S. Rubber Co., New York.
Res Toilet Paper Holders, Towel Bars, Sash Curtain Rods. Res Mfg. Co., Milwaukee, Wis.
Rescue Fire Extinguishers. S. F. Hayward & Co., New York.
Rescue Fire Hose. Gutta Percha & Rubber Mfg. Co., New York.
Reserve Oil Cups. Lunkenheimer Co., Cincinnati, O.
Reserve Tires. The Diamond Rubber Co., Inc., Akron, O.
Resilient Railway Ties. Dayton Mechanical Tie Co., The, Dayton, O.
Resilient Steel Wheels. Resilient Safewheel Co., Berkeley, Cal.
Resilient Wool Waste. Flower Waste & Packing Co., Bayonne, N. J.
Resillo Hair Cushions. Ottawa Cushion Co., Ottawa, Ill.
Resistal Non-Shatterable Glass, Goggles and Eye Protectors. Strauss & Buegeleisen, Brooklyn, N. Y.
Resisto Asphalt Ready Roofing. Safepack Mills, Boston, Mass.
Resisto Concrete Hardener and Pacing. Pittsburgh Crushed Steel Co., Pittsburgh, Pa.
Resisto Fibre Cases. United Suit Case Co., Pittsburgh, Pa.
Resisto Fire-Resisting Compound. Wm. Clifford & Sons Co., Elizabeth, N. J.
Resisto Gauge Glasses. American Schaeffer and Budenberg Corp., Brooklyn, N. Y.
Resistol Lacquers and Enamels. United States Lacquer Co., Inc., Brooklyn, N. Y.
Resistolac Insulating Paint. Robertson Chemical Co., Cleveland, O.
Restmore Porch Swings. Martin Steel Products Co., Mansfield, O.
Restorail Compound. Frederick Hodschar, Brooklyn, N. J.
Retard Gauges. Jas. P. Marsh & Co., Chicago.
Retardo Fire Resistant Paint. Fire Retardent Products Co., Oakland, Cal.
Retaw Proofing Waterproofing Materials. National Roofing Co., Tonawanda, N. Y.
Reth-Flex Lamps. Betherford Bros. Co., Muncie, Ind.
Retlaw Roof Flashings. Harker Mfg. Co., Cincinnati, O.
Retriever Car Bells and Gongs. J. C. Brill Co., Philadelphia.
Retriever Signal Bell. J. G. Brill Co., Philadelphia, Pa.
Reusche Gold Paint. L. Reusche & Co., New York.
Reuter Multiplying and Dividing Machines. Carl H. Reuter, Phila.
Reuther Potato Diggers. S. H. Peck's Sons, East Aurora, N. Y.; U. S. Wind Engine & Pump Co., Batavia, Ill.
Revco Tractor. Rapids Electrical Vehicle Co., Alexandria, La.
Revelation China Kilns. H. J. Caulkins & Co., Detroit, Mich.
Revelation Kid Glove Bleach. Charles McAdam Co., Chicago.
Revelation Ophthalmological Furniture. Merry Optical Co., Kansas City, Mo.
Rever Public Urinals. Sanitas Mfg. Co., Boston, Mass.
Revere Lavatories. Crane Co., Chicago.
Revere Packing and Hose. U. S. Rubber Co., New York.
Revere Rubber Tires. Goodyear Rubber Co., San Francisco.
Revero Force Cups. U. S. Rubber Co., New York.
Reversible Ice Creepers. Norlund Mfg. Co., Williamsport, Pa.
Reversible Ratchet Wrenches. Lowell Wrench Co., Worcester, Mass.
Reversible Roll Paper Cutters. Hilts Wrench & Mfg. Co., Richford, N. Y.
Reverso Water Closets. Pierce, Butler & Pierce Mfg. Corp., N. York.
Revival Dust Absorbing Floor Oils. Apothecaries Hall Co., Waterbury, Conn.
Re-Vi-Var Varnish, Furniture Polish. Nubian Paint & Varnish Co., Chicago.
Revivifier—For Molding Sand. Link-Belt Co., Chicago, Indianapolis, Philadelphia.
Revolc Agricultural Suction Hose. Quaker City Rubber Co., Phila.
Revolute Driers, Printers, Washers. Revolute Machine Company, New York.
Revolvator Portable Elevators. Revolvator Co., Jersey City, N. J.
Rex A and AA Steel. Crucible Steel Co., Pittsburgh, Pa.
Revolution Spring Tooth and Stalk Cutter Attachments. B. F. Avery & Sons, Louisville, Ky.
Revonock Hardware Tools and Cutlery. Hibbard, Spencer & Bartlett Co., Chicago.
Rex A High Speed Steel. Crucible Steel Co. of America, Pittsburgh.
Rex A. A. High Speed Steel. Crucible Steel Co. of America, Pittsburgh, Pa.
Rex Adamant Sanitary Flooring. Flintkote Co., Boston, Mass.
Rex All-Seasons. Rex Mfg. Co., Connersville, Ind.
Rex Anti Slip Brake Wafers, Metal Polish and Wood Oil. Armiger Chemical Co., Chicago.
Rex Arc Headlights, Electric Car Headlights, Dry Car Closets, Car Hat and Baggage Racks. Dayton Mfg. Co., Dayton, O.
Rex Ball Cocks, High Pressure. Rex. Mfg. Co., Oakland, Cal.
Rex Ball Vises. Adolph Muehlmatt, Cincinnati, O.
Rex Babbitt Metal. More-Jones Brass & Metal Co., St. Louis, Mo.
Rex Bath and Basin Plugs. Jenkins Mfg. Co., Bloomfield, N. J.
Rex Battery Motors. Davis Kendrick Co., Lebanon, N. H.
Rex Bell Couplings for Gasoline Hose. Chicago Tubing & Braiding Co., Chicago.
Rex Bells. P. R. Manufacturing Co., Detroit, Mich.
Rex Belt, Hose, Red Sheet Packing. Gustin-Pacon Mfg. Co., Kansas City, Mo.
Rex Belting. Barnum Bros. Co., Troy, N. Y.
Rex Belting and Hose. Joseph Stokes Rubber Co., Trenton, N. J.
Rex Brand Second Grade Rope. Waterbury Co., New York.
Rex-C-Dan Vehicles. Rex Mfg. Co., Connersville, Ind.
Rex Chain, Concrete Mixers and Pavers, Traveling Water Screens and Elevating and Conveying Machinery. Chain Belt Co., Milwaukee, Wis.
Rex Cork Grease. Marshall Oil Co., Inc., Marshalltown, Ia.
Rex-Crescent Water Closets. Sanitas Mfg. Co., Boston, Mass.
Rex Curtain Rollers, Sash Balances, Vestibule Curtains, Steel Diaphragms, Diaphragm Attachments, Curtains Release Handles, Curtain Hooks and Vestibule Curtain Opening Shields, Sash Weatherstrip. Curtain Supply Co., Chicago.
Rex Diamond Point Strip Felt and Asphalt Slate Shingles and Roofing Felts. Flintkote Co., Boston, Mass.
Rex Dish Mops. Eagle Woodenware Mfg. Co., Hamilton, O.
Rex Electric Bells. P. R. Mfg. Co., Detroit, Mich.
Rex Electric Car Headlights. Dayton Mfg. Co., Dayton, O.
Rex Electric Massage Vibrators. P. A. Geier Co., Cleveland, O.
Rex Emergency Knuckle. National Car Equipment Co., Chicago.
Rex Enamels. Edw. Smith & Co., Long Island City, N. Y.
Rex Expansion Hand Reamers. Schellenback-Hunt Tool Co., Cincinnati, O.
Rex Feed Cookers. Treaty Co., Greenville, O.; Climax Corp., Batavia, N. Y.
Rex Files. Rex File Co., Newcomerstown, O.
Rex Fire Extinguishers. Missouri Lamp & Mfg. Co., St. Louis, Mo.
Rex Fire Hose. Voorhees Rubber Mfg. Co., Jersey City, N. J.
Rex Flinkote Roofing, Shingle Roll Roofing and Slate Surfaced Shingles. The Flinkote Company, Boston, Mass.
Rex Gas Burners, Furnaces and Heaters. Calkins & Pearce, Columbus, O.
Rex and Gem Coal. Matthew-Addy Co., Cincinnati, O.
Rex Gas Tubing. Chicago Tubing & Braiding Co., Dept. D., Chicago.
Rex Grease Cups. Lunkenheimer Co., Cincinnati, O.
Rex Hack Saw Blades. Roman Saw & Tool Works, Buffalo, N. Y.
Rex Hindostan Stones. Scranton Whetstone & Abrasive Wheel Co., Scranton, Pa.
Rex Hose Clamps. Knox Mfg. Co., Inc., Philadelphia, Pa.
Rex Hose Reels. Chas. Nuhring & Bros., Cincinnati, O.
Rex Inlaid Roofing. Flintkote Co., Boston, Mass.
Rex Insulating Compounds, Paints and Paper. Flintkote Co., Boston.
Rex Ironing Machines. Adams Laundry Machinery Co., Troy, N. Y.
Rex Junction Boxes. Wm. N. Colgan Co., W. Newton, Mass.
Rex K-B Sheathing and Building Paper. The Flintkote Company, Boston, Mass.
Rex Key Ring Holders. The Bridgeport Chain Co., Bridgeport, Conn.
Rex Laundry Stoves. Gray & Dudley Hdwe. Co., Nashville, Tenn.
Rex Lubricating Oils and Axle Greases. Marshall Oil Co. of Iowa, Marshalltown, Ia.
Rex Leather Belting. Barnum Bros. Co., Troy, N. Y.
Rex-Lite Factory Light. L. Plant & Co., New York.
Rex Mops. Cupples Company, Chicago.
Rex Nail Pullers. Bridgeport Hardware Mfg. Co., Bridgeport, Conn.
Rex Non-Inflammable Metal Polish, Carriage Top Dressing. Armiger Chemical Co., Chicago.
Rex-o-Lux Desk Lamps. L. Plant & Co., New York.
Rex Oils and Greases. Marshall Oil Co., Marshalltown, Ia.
Rex Oil Stones. Scranton Whetstone & Abrasive Wheel Co., Scranton, Pa.
Rex Packing. Goetze Gasket & Packing Co., New Brunswick, N. J.; Crandall Packing Co., Palmyra, N. Y.
Rex Paste, Etc. Patent Cereals Co., Geneva, N. Y.
Rex Piston Packing. McMaster-Carr Supply Co., Chicago.
Rex Rat Traps. Lovell Mfg. Co., Erie, Pa.
Rex Red Ready Roofing. Flintkote Mfg. Co., Boston, Mass.
Rex Reversible Point Strip Felt and Asphalt Slate Shingles and Roofing Felts. Flintkote Co., Boston, Mass.
Rex Red Roofing. Flintkote Co., Boston, Mass.
Rex Rope. Waterbury Co., Jersey City, N. J.
Rex Riveting Machines. F. H. Smith Mfg. Co., Chicago.
Rex Salt and Nitrate of Soda. Stauffer Chemical Co., San Francisco.
Rex Slate Surfaced Roofing. Flintkote Co., Boston, Mass.
Rex Socket-Wrenches. Rex Wrench Co., Boston, Mass.
Rex Spot Lights and Radiator Caps. E. Edelmann & Co., Chicago.
Rex Strip Asphalt, Slate Surface Shingles. Flintkote Co., Boston.
Rex Switch Boxes. W. H. Colgan Co., West Newton, Mass.
Rex-Tan Waterproof Belting. Bonner & Barnewall, New York.
Rex Truck Casters. Phoenix Caster Co., Indianapolis, Ind.
Rex Typewriter. Rex Typewriter Co., Fond du Lac, Wis.
Rex Valves. The Diamond Rubber Co., Inc., Akron, O.
Rex Vises. Prentiss Vise Co., New York.
Rex Water Closets. Sanitas Mfg. Co., Boston, Mass.
Rex Water Heaters. Cleveland Heater Co., Cleveland, O.
Rex Weather Strips. Curtain Supply Co., Chicago.
Rex Well Drilling Machinery. Lucey Mfg. Corp., New York.
Rex Wide Space Asphalt and Roofing Felt, Shingles. Flintkote Co., Boston, Mass.
Rexall Belting. Imperial Belting Co., Chicago.
Rexite Wire, Cords and Cables. American Steel & Wire Co., Chicago.
Rexo Automobile and Electric Horns. General Phonograph Mfg. Co., Elyria, O.
Rexoid Rubber Automobile Tires and Radiator Hose. Thermoid Rubber Co., Trenton, N. J.
Rexoid Transmission Lining, Cord Tires. Thermoid Rubber Co., Trenton, N. J.
Rexolene Grease. Rex Oil Co., Chicago.
Rex-Tube Gasoline Hose and Air Hose. Chicago Tubing & Braiding Co., Dept. D., Chicago.
Reynolds Air Compressors, Gas Compressors, Corliss Engines, Pumping Engines. Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Reynolds Automatic Screw-Driving Machines. Reynolds Pattern & Machine Co., Moline, Ill.
Reynolds Baseball Gloves. Rawlings Mfg. Co., St. Louis, Mo.
Reynolds-Corliss Engines; Compressors; Pumping Machinery. Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Reynolds Envelope Sealer. McKay & Co., W. L., Chicago.
Reynolds Grain Car Loaders. E. Bauder, Sterling, Ill.
Reynolds Shingles. Reynolds Shingle Co., Grand Rapids, Mich.
Reynolds Tire Bolter. House Cold Tire Setter Co., St. Louis, Mo.
Reynolds Tire Bolting Machines. House Cold Tire Setter Co., St. Louis, Mo.
Reynolds Trace Carriers. Frazer & Jones Co., Syracuse, N. Y.
Reynolds Tread Horse Powers. Messinger Mfg. Co., Tatamy, Pa.
Reynolds Trucks. Lansing Co., Lansing, Mich.
Reynolds Tubular Boilers. Milwaukee Boiler Mfg. Co., Milwaukee, Wis.
Reynolds Unit Heat-Generator Systems, Furnaces. B. F. Reynolds & Co., Inc., Chicago.
Rezilite Sanitary Flooring and Waterproofing Materials. Rezilite Mfg. Co., Chicago.
Rhamstine V. T. Sockets. Thos. J. Rhamstine, Detroit, Mich.
Rhea Double Acting Deep Well Pump. Buzz Engineering Co., Louisville, Ky.
Rhenag Gauge Glasses. A. W. Chesterton Co., Boston, Mass.
Rhino Brand Calking and Glazing Putty Compound. Pecora Paint Co., Philadelphia, Pa.
Rhino Rubber Hose. Goodyear Rubber Co., San Francisco, Cal.
Rhinoceros Belting. Quaker City Rubber Co., Philadelphia, Pa.
Rhinoceros-Sheet Packing. Keasbey & Mattison Co., Ambler, Pa.
Rhoads Leather Belt Preserver; Stick Belt Dressing. J. E. Rhoads & Sons, Philadelphia, Pa.
Rhoades Bobbin Holders. Draper Corp., Hopedale, Mass.
Rhoades-Chandler Spinning Frame Separators. Draper Corp., Hopedale, Mass.
Rhode Island Footwear. U. S. Rubber Co., New York.
Rhode Island Hoes. Union Fork & Hoe Co., Columbus, O.
Rhode Island Unions. Rhode Island Fittings Co., Hills Grove, R. I.
Rhodes Double Cut Pruning Shears and Dehorners. Rhodes Mfg. Co., Grand Rapids, Mich.
Rhodes Packing. Rhodes Improved Metallic Packing Co., Montreal, Que., Canada.
Rhodes Pruning Shears. Rhodes Mfg. Co., Grand Rapids, Mich.
Rhodes Pumice Brick. James H. Rhodes & Co., Chicago.
Rhodes Slotting and Shaping Machines. Rhodes Mfg. Co., Hartford, Conn.

Ribbon Gold Leaf. W. H. Coe Mfg. Co., Providence, R. I.
Ribbed Row Locks. Thos. Laughlin Co., Portland, Me.
Ribbonette Cordage. Carl Weiner, Chicago.
Ribbonized Metallic Packing. Glacier Metal Co., Richmond, Va.
Riblet Governors and Heaters. Erie Mfg. & Supply Co., Erie, Pa.
Riblex Expanded Metal Lath. The Berger Mfg. Co., Canton, O.
Rice & Sargent Engines. Providence Eng'r'g Corp., Providence, R. I.
Rice Engines. Sam L. Moore & Sons Corp., Elizabeth, N. J.
Rice Gas Engines. Trenton Malleable Iron Co., Trenton, N. J.
Rice Hose Couplings. Pioneer Brass Works, Indianapolis, Ind.
Rice Vises. Illinois Iron & Bolt Co., Carpentersville, Ill.
Rice & Sargent Corliss Engines. Providence Engineering Works, Providence, R. I.
Rice's Iron and Steel Filler Cement. U. S. Gutta Percha Paint Co., Providence, R. I.
Rice Windmill Regulators. Althouse Wheeler Co., Waupun, Wis.
Rich-Con Tools. Richards & Conover Hardware Co., Kansas City, Mo.
Rich Drill Chucks. Clark Equipment Co., Buchanan, Mich.
Rich Drills and Reamers. Rich Tool Co., Chicago.
Rich Dust Arresters and Sand Blast Machines. American Fdry. Equip. Co., New York.
Rich Smoke System (for detecting marine fires). Walter Kidde & Co., Inc., New York.
Richard Oiler. Ansonia Novelty Co., Ansonia, Conn.
Richard Engine and Machine Oilers and Oil Cans. Ansonia Novelty Co., Ansonia, Conn.
Richard Peerless Barn Door Hangers. Richards-Wilcox Mfg. Co., Aurora, Ill.
Richards Babbitt Metal and Solder. Richards & Co., Inc., Boston.
Richards Boss Barn Door Hangers. Richards-Wilcox Mfg. Co., Aurora, Ill.
Richards Door Hangers, Door Pulls, Door Stays, Grindstone Fixtures, Grindstones, Post Hole Augers, Window Sash Pivots, Fuse Sinks, Wire Stretchers, Adjustable Wrenches, Wagons, Jacks and Stake Pockets. Richards-Wilcox Mfg. Co., Aurora, Ill.
Richards-Janney Classifiers. Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Richards Pulsator Coal Jigs and Slime Classifiers. Denver Engineering Works Co., Denver, Colo.
Richards Tablet Machines. Hess & Barker, Philadelphia.
Richards Testing Scales. Delaware Metal Refinery, Philadelphia.
Richards Unloaders (Now Yarway). Yarnall-Waring Co., Philadelphia, Pa.
Richards-Vortex Classifiers. Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Richards-Wilcox Automatic Fire Door Fittings, Sliding Door Locks, Barn Door Rollers, Foot Scrapers and Overhead Trolleys. Richards-Wilcox Mfg. Co., Aurora, Ill.
Richardson & Boynton Ranges and Stoves. Richardson & Boynton Co., New York.
Richardson Automatic Scales. Richardson Scale Co., Passaic, N. J.
Richardson Centrifugal Metal Part Dryers. Smith-Richardson Co., Attleboro, Mass.
Richardson Emery and Corundum Wheels. Waltham Pocket Grinding Wheel Co., Waltham, Mass.
Richardson's Exhaust and Ventilator Fans. New England Ventilating & Heating Co., Providence, R. I.
Richardson Levels. Goodell-Pratt Co., Greenfield, Mass.
Richardson Lubricators. Sight Feed Oil Pump Co., Milwaukee, Wis.
Richardson Oil Pump. The Richardson-Phenix Co., Milwaukee, Wis.
Richardson Rules. Geo. W. Richardson, Chicago.
Richardson Scales, Counting Machines, Bag Filling Machines. Richardson Scale Co., Passaic, N. J.
Richardson Shingles. Richardson Co., Cincinnati, O.
Richardson Steam Heaters. Richardson & Boynton, New York.
Richardson Valves. H. G. Hammett, Troy, N. Y.
Richardson Ventilators. New England Ventilating & Heating Co., Providence, R. I.
Richardson Wall Board. The Richardson Co., Lockland (Cincinnati), O., and Melrose Park (Chicago), Ill.
Richland Force Pumps. Barnes Mfg. Co., Mansfield, O.
Richland Triplex Weave Dryer Felts. Mt. Vernon Woodberry Mills, Inc., Baltimore, Md.
Richmond Baseball Bats. E. C. Brinser & Sons, Richmond, Va.
Richmond Clothes Washing Machines. Richmond Cedar Wks., Richmond, Vt.
Richmond Drilling Machines. Richmond Metal Prod. Co., Richmond, Va.
Richmond Eave-Trough Hangers. Eureka Fence Mfg. Co., Richmond, Ind.
Richmond Fertilizer Distributors. Wirtz & Hernlen, Augusta, Ga.
Richmond Hot Water and Steam Radiators. Richmond Radiator Co., Inc., New York.
Richmond Lawn Mowers. Dille & McGuire Co., Richmond, Ind.
Richmond Leather Belting. The Virginia Leather Co., Richmond, Va.
Richmond Plumbing Specialties. Richmond Fdry. & Mfg. Co., Richmond, Va.
Richmond Safety Gates. Richmond Safety Gates Co., Richmond, Ind.
Richmond Staybolt Drilling Machines. Richmond Metal Products Co., Inc., Richmond, Va.
Richmond Stoves, Ranges and Furnaces. Richmond Stove Co., Dept. H, Richmond, Va.
Richmond Vacuum Cleaning Machines. Cameron-Schroth Co., Chicago.
Richmond Washing Machines. Richmond Cedar Wks., Richmond, Va.
Richmond Woven Wire Fences. Elliott & Reid Co., Richmond, Ind.
Richter Blue-Flag Derail. The Maintenance Equipment Co., Chicago.
Rich-tone Shingle Stain. The Lowe Bros. Co., Dayton, O.
Richtone Wall Finish and Paint. Arlington Mfg. Co., Canton, O.
Rick-Co-Bit Enamel. S. R. Richards Co., Philadelphia, Pa.
Ricketts Illuminated Elevator Thresholds. Elevator Supplies Co., Hoboken, N. J.
Rico Car Buffers and Street Car Straps. Railway Improvement Co., New York.
Rico Coasting Recorders; Anti-Climbers; Sanitary Straps; Vacuum Oilers; Terminal Clocks. Railway Improvement Co., New York.
Rico Gas Mantles. Ramsdell Inverted Gas Lamp Co., Waterbury, Conn.
Ricon Lathes. Riter-Conley Co., Pittsburgh, Pa.
Ric-Wil Conduit. Standard Power Equipment Co., Chicago.
Ric-wiL Underground Conduit. The Ric-wiL Co., Cleveland, O.
Ridge's Prepared Cereal Foods. Ridge's Food Co., Boston.
Ridgewood Hose, Packing. Gutta Percha & Rubber Mfg. Co., New York.
Rid-Gid Metal Lath. Consolidated Expanded Metal Companies, Braddock, Pa.
Ridgway Engines. Ridgway Dynamo & Engine Co., Ridgway, Pa.
Ridgway-Rateau Turbines. Ridgway Dynamo & Eng. Co., Ridgway, Pa.
Ridgway Steam-Hydraulic Elevators. Craig Ridgway & Son Co., Coatesville, Pa.
Ridgway Units. Ridgway Dynamo & Engine Co., Ridgway, Pa.
Rid-Jid Folding Ironing Tables, Etc. J. R. Clark Co., Minneapolis, Minn.
Ridlon Electrical Motor Bearing. Frank Ridlon Co., Boston, Mass.
Riek's Christmas Tree Holders. Rhinelander Refrigerating Co., Rhinelander, Wis.
Rie-Nie Automobile Fan Belts; Tire Patches; Enamels; Paints, Etc. Durkee-Atwood Co., Minneapolis, Minn.
Riehl Sectional Steel Wire Brush Sections. The Osborn Manufacturing Co., Inc., Cleveland, O.
Ries Incandescent Lamp Sockets. W. T. Pringle, Philadelphia.
Ries O. K. Letter Openers. O. K. Manufacturing Co., Oswego, N. Y.
Rifleit Eye Protectors. F. W. King Optical Co., Cleveland, O.
Riggin Blower and Blow-Off Cocks. Coale Muffler & Safety Valve Co., Baltimore, Md.
Riggins Hydraulic Valves. Watson & McDaniel Co., Philadelphia, Pa.
Riggs Markers, Walking Cultivators. Thos. Peppler Son & Co., Hightstown, N. J.
Right Angle Hay Unloaders. The F. E. Myers & Bro., Ashland, O.
Right Gaskets. Gasket Supply Co., Philadelphia, Pa.
Right-O-Way Safety Signals for Automobiles. Boesch Lamp Co., San Francisco.
Rightway Oscillator Washing Machines. American Gas Machine Co., Inc., New York.
Right Line Radial Drills. Pratt & Whitney Co., Hartford, Conn.; Niles-Bement-Pond Co., New York.
Right Radiator Protector. Right Mfg. Co., Louisville, Ky.
Righto Automobile Soap. Granite City Soap Co., Newburgh, N. Y.
Rightway Washing Machines. American Gas Machine Co., Albert Lea, Minn.
Rigid Boring Tools. Rigid Tool Holder Co., Washington, D. C.
Riley Automobile Wind Shields. Riley Bros., Bridgeton, N. J.
Riley Mine Car Loaders (Underground). Link-Belt Co., Chicago, Indianapolis, Philadelphia; H. W. Caldwell & Son, Chicago.
Riley Stokers. B. F. Sturtevant Co., Boston, Mass.
Riley Underfeed Stokers. Sanford, Riley Stoker Co., Worcester, Mass.
Rillton Brass Cleaner. S. Obermayer Co., Cincinnati, O.
Rimco Insulated Pliers, Screw-Drivers and Wire Cutters. Rubber Insulated Metal Corp., New York.
Rimcock Bath Fixture. Central Brass Mfg. Co., Cleveland, O.
Rinehart Eureka White Brass. Pittsburgh White Metal Company, Pittsburgh, Pa.
Rinehart Metals. Pittsburgh White Metal Co., Pittsburgh, Pa.
Ring Fixtures. The Curtain Supply Co., Chicago.
Ring Lawn Sprinklers. W. D. Allen Mfg. Co., Chicago.
Rinek Manila Rope. Rinek Cordage Co., Easton, Pa.
Ring Paper Clips. Noesting Pin Ticket Co., Inc., Mt. Vernon, N. Y.
Ring Weather Strips. Curtain Supply Co., Chicago.
Ring-Roll Mill Pulverizing Machy. Sturtevant Mill Co., Boston.
Ring True Bearings and Castings. General Aluminum & Brass Mfg. Co., Detroit, Mich.
Ringco Brass and Nickel-Plated Goods. American Ring Co., Waterbury, Conn.
Ringen Radiator Shield. Sodeman Heat & Power Co., St. Louis, Mo.
Ringmeter Garden Hose. Quaker City Rubber Co., Philadelphia, Pa.
Ringpak Piston Seal. General Asbestos & Rubber Co., Charleston, S. C.
Rino Gear and Wire Rope Lubricants. J. A. Mackin Co., Columbus, O.
Rino Waterproof Leather Belting. Bonner & Barnewall, Inc., New York.
Rinso Soap Powder. Lever Bros. Co., Cambridge, Mass.
Rio D'Oro Dyewood Extracts. Jamaica Dyewood & Chemical Co., New York.
Riplex Ribbed Expanded Metal Lath. Berger Mfg. Co., Canton, O.
Ripley Concrete Piles. Monks-Ripley Pile Co., New York.
Ripley Grain Scoops. Jackson Shovel & Tool Co., Montpelier, Ind.
Ripley Isinglass. Howe & French Isinglass Co., Gloucester, Mass.
Ripolin Enamel. Adams & Elting Co., Chicago.
Ripolin Enamel Paint. The Glidden Company, Cleveland, O.
Ripplekraft Crepe Wrapping Paper. Angier Corp., Framingham, Mass.
Ripper Peanut Roasters. Bartholomew Co., Peoria, Ill.
Rippers Indicators. American Schaeffer & Budenberg Corp., Brooklyn, N. Y.
Rip Van Winkle Wall Beds. Rip Van Winkle Wall Bed Co., Inc., Oakland, Cal.
Risdon Fuse Caps, Shells, Etc. Risdon Mfg. Co., Naugatuck, Conn.
Risinger Gas Lamps, Gas Lighting Systems. Risinger Bros. Co., East Liverpool, O.
Rising City Yard Hydrants. D. A. Hinman & Co., Sandwich, Ill.
Rising Sun Packing. Cancos Mfg. Co., Philadelphia.
Ritchie Compasses. Max Kuner Co., Seattle, Wash.
Ritchie Engines. Advance Mfg. Co., Hamilton, O.
Ritchie Gas Engines. Wogaman Bros. Co., Greenville, O.
Ritchie Liquid Compass. E. S. Ritchie & Sons, Brookline, Mass.
Rit Dyes. Sunbeam Chemical Co., Chicago.
Rite Fibre Sample Trunks and Cases. Vierling, A. P., New York.
Rite-Grade Shingles. West Coast Lumbermen's Assn., Seattle, Wash.
Rite Shingles. John D. Collins Lumber Co., Seattle, Wash.
Rite Storage Battery. The Rite Battery Works, Oakland, Cal.
Rite-Lite Lighting Fixtures. King Mfg. Co., St. Joseph, Mo.
Riteshape Wooden Dish. Oval Wood Dish Corp., Tupper Lake, N. Y.
Ritefit Engine Pistons. Wright Mfg. Co., Minneapolis, Minn.
Rite-Wate Engine Pistons. Am. Engine & Airplane Co., Los Angeles.
Riteway Scales. Louis M. Myers, Chicago.
Rittenhouse Conduit Benders. A. E. Rittenhouse Co., Honeoye Falls, N. Y.
Rittenhouse Grass Seeders. J. F. Rittenhouse, Liberty Mills, Ind.
Rittenhouse Paper Fasteners and Clips. H. F. Clark, Jr., Mfg. Co., Washington, D. C.
Ritter Brand Flooring, Parquet Flooring. W. M. Ritter Lumber Company, Columbus, Ohio.
Ritter Air Compressors, Laboratory Lathes, Dental Chairs and Engines, X-ray Apparatus. Ritter Dental Mfg. Co., Inc., Rochester, N. Y.
Ritz Polishing Cloths. John Ritzenthaler, New York.
Rival Air Fire and Water Hose, Belting. Empire Tire & Rubber Corp., Trenton, N. J.
Rival American Impression Book. Rockwell-Barnes Co., Chicago.
Rival Annunciators. Electric Goods Mfg. Co., Canton, Mass.
Rival Apple Paring Machines. Boutell Mfg. Co., Rochester, N. Y.
Rival Ash Sieves. Geo. H. Jeliff & Son, New Canaan, Conn.
Rival Belting. Hudson Belting Co., Worcester, Mass.
Rival Belt Fasteners. Mfrs. Belt Hook Co., Chicago.
Rival Belt Lacing. The Malin & Co., Cleveland, O.
Rival Brand Belt Hooks. Mfrs. Belt Hook Co., Chicago.
Rival Carbon Paper, Typewriter Ribbons. J. A. Heale & Co., New York.
Rival Fountain Pen. D. W. Beaumel & Co., New York.
Rival Garden Cultivators. Brown-Manly Plow Co., Malta, O.; Thornburgh Mfg. Co., Bowling Green, O.
Rival Grade Canvas Goods. Canvas Products Co., St. Louis, Mo.
Rival Hand Carts. La Crosse Plow Co., La Crosse, Wis.

Rival Leather Belting. Akron Belting Co., Akron, O.; Charles Bond Co., Philadelphia, Pa.; Hudson Belting Co., Worcester, Mass.
Rival Measuring Tapes. The Lukin Rule Co., Saginaw, Mich.
Rival Peanut Roasters. Bartholomew Co., Peoria, Ill.
Rival Post Hole Diggers. F. E. Kohler & Co., Canton, O.
Rival Spark Plugs. Hampshire Mfg. Co., Hatfield, Mass.
Rival Steel Tape. Lufkin Rule Co., Sagniaw, Mich.
Rival Stove Pipes. A. Geisel Mfg. Co., St. Louis.
Rivalite Metallic Packing. Strong Machinery & Supply Co., New York.
Riverside Absorbent Cotton. Am. Gauze & Cotton Co., Inc., St. Louis.
Riverside Calcined Plaster. Rock Plaster Mfg. Co., New York.
Riverside Cement. Riverside Port. Cement Co., San Francisco, Calif.
Riverside Combination Desk and Calendars. Shea, Smith & Co., Chicago.
Riverside Range Boilers; Expansion Tanks; Riverside-Stack Indirect Water Heaters; **Safety Thermostats.** Riverside Boiler Wks., Inc., Cambridge, Mass.
Riverside Stoves and Ranges. Rock Island Stove Co., Rock Island, Ill.
Rives Auto Pedal Neverslip Pads. Geo. H. Rives Mfg. Co., New York.
Rivet Brand Yellow Jacket Air Hose. Hudson Mechanical Rubber Co., New York.
Rivet Crowns. Edwin B. Stimson Co., Brooklyn, N. Y.
Riveter Rubber Hose. W. H. Salisbury & Co., Inc., New York.
Rivet-O Punches. Rivet-O Mfg. Co., Orange, Mass.
Riveto Punches and Pincers. C. C. Harris, Orange, Mass.
Rivett Lathes and Grinders. Rivett Lathe & Grinder Co., Boston.
Rivles Yoke. Universal Draft Gear Attachment Co., Chicago.
Rix Gear Grease. Marshall Oil Co. of Iowa, Marshalltown, Ia.
Rixson Door Checks and Holders. Oscar C. Rixson Co., Chicago.
Roach Rail Joints. Reinforced Rail Joint Co., St. Louis, Mo.
Road Boss Gas Engines and Motor Section Cars. North American Engine Co., Algona, Ia.
Road Boss Reversible Type Automobile Engine for Section Cars. North American Engine Co., Algona, Ia.
Road King Tires. Ajax Rubber Co., Milbrook, N. Y.
Roadster Wagon Lanterns. R. E. Dietz Co., New York.
Roadoil Road Binders and Preservatives. Pure Oil Co., Philadelphia.
Roamer Automobiles. Barley Motor Car Co., Streator, Ill
Roanoke Clothes Washing Machines. Altorfer Bros. Co., Peoria, Ill.
Rob Flushing Valves. McShane Bell Foundry Co., Baltimore, Md.
Robaco Steam and Hot Water Heaters. Roberts-Hamilton Co., Minneapolis, Minn.
Robal Steel, Hot Rolled Strip and Steel Lumber Sections. Central Steel Co., Massillon, O.
Rob Roy Rubber Belting. B. F. Goodrich Co., Akron, O.
Robarco Adding Machine Rolls, Onion Skin, White Writing Pond, Mimeograph, Penmanship, Ledger, Journal, Foolscap and Red Line Penmanship Papers; Perforated Memo Pads; Vertical File Folders; File and Claim Backs; Train Orders; Stenographic Notebook Records; Journals, Counter Books; Tally Books, Memorandum books, Paper Fasteners; Metal File Boxes; Pencils, Hat Checks; Etc. Rockwell-Barnes Co., Chicago.
Robb Insulating Joints. Mitchell-Vance Co., New York.
Robb Water Tube Boilers. International Engineering Wks., Framingham, Mass.
Robbins Chain Tongs. Robbins, Gamwell & Co., Pittsfield, Mass.
Robbins Maple Flooring. Robbins Lumber Co., Rhinelander, Wis.
Robbins & Myers Fans and Motors. The Robbins & Myers Co., Springfield, Ohio.
Robbins Pipe Tongs. Oil Well Supply Co., Pittsburgh.
Robbins Potato Planters. Bateman Mfg. Co., Grenlock, N. J.
Roberds Ideal Wall Board. Roberds Mfg. Co., Marion, Ind.
Roberts Alcohol Torches. H. C. Roberts Elec. Supply Co., Phila.
Roberts Bolt or Rivet Clippers. Roberts Mfg. Co., Somerville, Mass.
Roberts Bolt Clippers. Roberts Mfg. Co., Boston, Mass.
Roberts Boring Machines. Jas. McCrea & Co., Chicago.
Roberts Coke Ovens. American Coke & Chemical Co., Chicago.
Roberts Drink Mixers, Churns and Egg and Cream Beaters. Roberts Lightning Mixer Co., Boston.
Roberts Electric Tools. Electric Hammer Corp., Louisville, Ky.
Roberts Lineman's Climbers. Ransome Concrete Machinery Co., Dunellen, N. J.
Rob't Mann Axes. American Axe & Tool Co., Glassport, Pa.
Roberts Ninety Typewriters. L. R. Roberts Typewriter Co., Stamford, Conn.
Roberts Pole Changers. Cameron Appliance Co., Everett, Mass.
Roberts Steam Heaters. Freed Heater Co., Colegeville, Pa.
Roberts Water Columns. Roberts Steam Specialty Co., Cleveland.
Robertson Blow-Off Valves. Lawrenceville Bronze Co., Pittsburgh; Jno. F. Robertson Co., Pittsburgh.
Robertson Car Roof. Asbestos Protected Metal Co., Beaver Falls, Pa.
Robertson Cinder Conveyors, Coal Conveyors, Pneumatic Sand Hoists and Sand Dryers. Wm. Robertson & Co., Chicago.
Robertson Dish Washing Powder. Thos. B. Robertson Products Co., Chicago.
Robertson Process Asbestos Protected Metal. H. H. Robertson Co., Pittsburgh, Pa.
Robertson Steam Engine Indicators. Jas. L. Robertson & Son, New York.
Robertson Turbo Steam Traps; Dry System Oil Purifier. John F. Robertson Co., Pittsburgh, Pa.
Robertson's Economy Hack Saws. W. Robertson Machine & Fdry. Co., Buffalo, N. Y.
Robertson-Thompson Indicators. Jas. L. Robertson & Sons, Inc. New York.
Robertson's Rapid Cut Power Hack Saws. The Robertson Mfg. Co., Inc., Buffalo, N. Y.
Robertson's Skylight Cleanser. Theo. B. Robertson Products Co., Chicago.
Robeson Cutlery. Robeson Cutlery Co., Rochester, N. Y.
Robin Hood Chloride of Lime. F. T. Horton, Hoboken, N. J.
Robins Belt Conveyors and Rubber Belting. Robins Conveying Belt Co., New York.
Robins-Scherzer Car Dumper. Robins Conveying Belt Co., New York.
Robinson Folding Bath Tubs. Davol Rubber Co., Providence, R. I.
Robinson Motor Fire Engines. Robinson Fire Apparatus Mfg. Co., St. Louis, Mo.
Robinson Plugs. Boston Steam Specialty Co., Boston, Mass.
Robinson Reminders, Readipads and Waste Paper Bags. Robinson Mfg. Co., Westfield, Mass.
Robinson Test Indicator. C. E. Robinson Co., Orange, Mass.
Robinson Tube Cleaner. A. W. Chesterton Co., Boston.
Robinson Vises, Scratch Awls. M. W. Robinson Co., New York.
Rob Roy Belting. B. F. Goodrich Co., Akron, O.
Robsco Oil and Greases. Wm. C. Robinson & Son, Baltimore, Md.
Robsol Oil. Wm. C. Robinson & Son Co., Baltimore, Md
Robson Oven Illuminators. Chas. Robson & Co., Philadelphia.
Rocbond Stucco. Rocbond Co., Wren, O.
Rocco Brands Ornamental Rock Products. Rock Products Co., Easton, Pa.
Rochester Apple Slicing Machinery. Boutell Mfg. Co., Rochester, N. Y.
Rochester Automatic Lubricators. Greene, Tweed & Co., New York.
Rochester Bearings. Rochester Ball Bearing Co., Rochester, N. Y.
Rochester-Duesenberg Motors. Rochester Motors Co., Rochester, N. Y.
Rochester Helve Hammers. West Tire Setter Co., Rochester, N. Y.
Rochester Lubricators. Greene, Tweed & Co., New York.
Rochester Metal Ware and Electric Curling Irons. Rochester Stamping Co., Rochester, N. Y.
Rochester Shaft Oilers, Oil Fuse Boxes. Riker Mfg. Co., Rochester, N. Y.
Rochester Time Recorders. International Time Recording Co. of N. Y., Endicott, N. Y.
Rochester Tooth Rounders. Ingle Machine Co., Rochester, N. Y.
Rochlitz Automatic Water Stills. Weber Bros. Metal Works, Chgo.
Rochester Washing Machines. Rochester Rotary Washer Co., Rochester, N. Y.
Roch-No Insecticide. Plunkett Chemical Co., Chicago.
Rochow Veneer Cutting Machinery. Norman Hubbard's Sons, Brooklyn, N. Y.
Rock Brand Cylinder, Engine, Dynamo Oils. Magie Brothers, Chicago.
Rockaway Iron. Rockaway Rolling Mills Corp., Rockaway, N. J.
Rockaway Pump Governors, Valves. Kieley & Mueller, New York.
Rock Wall Finish and Plaster. United States Gypsum Co., Chicago.
Rock Wall Plaster. Rock Plaster Mfg. Co., New York.
Rock-A-Bye Baby Swings and Walkers. Perfection Mfg. Co., St. Louis, Mo.
Rockbarnes Bond, Laids, Duplex Typewriter Paper Tablets, Manuscript Covers, Blotting Paper, Paper Fasteners, Metal File Boxes, Arch Files, Binders, Stamp Pads, Typewriter Oil, Typewriter Ribbons. Rockwell-Barnes Co., Chicago.
Rockbestine Insulating Compound. Rockbestos Products Corp., New Haven, Conn.
Rockbestos Asbestos—Covered Wires and Cables. Marlin Rockwell Corporation, New York. (Insulated Wire Division, New Haven, Conn.)
Rockbestos (Fireproof) Wire and Cables. Electrical Material, Chicago.
Rockbestos Insulated Wires and Cables. Rockbestos Products Corp., New Haven, Conn.
Rockbestos Insulated Wire. Marlin-Rockwell Corp., New Haven, Conn.
Rockbestos Wire and Yarn. Rockbestos Products Corp., New Haven, Conn.
Rockdale Pruning Shears. Smith, Seymour & Son, Oakdale, Conn.
Rockdale Mills Stair Treads. Woonsocket Mach. & Press Co., Woonsocket, R. I.
Rocke Portable Grain Elevators. Meadows Mfg. Co., Bloomington, Ill.
Rock Emery Mill Pulverizing Machy. Sturtevant Mills Co., Boston.
Rocker Joint Silent Chains. Morse Chain Co., Ithaca, N. Y.
Rocker Maple Sugar Evaporators. C. S. Bell Co., Hillsboro, O.
Rockford Automatic Lathes, Shapers and Planers. Rockford Mach. Tool Co., Rockford, Il.
Rockford Cultivators, Fire Benders, Fire Upsetters, Gang Plows, Harrows and Pulverizers, Sulky Plows. Rockford Mfg. Co., Rockford, Ill.
Rockford Drawer Construction Cutters. Redin, Ekstrom & Co., Rockford, Ill.
Rockford Drilling Machines, Gas Engines, Punch Presses, Milling Machines, Rubbing Machines. Rockford Tool Co., Rockford, Ill.
Rockford Drilling Machines. Rockford Drilling Machine Co., Rockford, Ill.
Rockford Flour Sieves. Roseland Can & Specialty Co., Rockford, Ill.
Rockford Flue Stops. Roseland Can & Specialty Co., Rockford, Ill.
Rockford Leather Belting. Rockford Belting Co., Rockford, Ill.
Rockford Planing Machines. Rockford Machine Tool Co., Rockford, Ill. Jos. T. Ryerson & Son, Chicago.
Rockford Power Presses. Rockford Iron Works, Rockford, Ill.
Rockford Jr. Sulky Plows. Rockford Mfg. Co., Rockford, Ill.
Rockford Tire Shrinkers, Upsetters and Benders. Rockford Mfg. Co., Rockford, Ill.
Rockhard Maple Flooring. Mitchell Bros. Co., Cadillac, Mich.
Rock Island Anvils and Vises. Rock Island Mfg. Co., Rock Island, Ill.
Rock Island Plows, Plow Coulters, Riding Listers, Corn Planting Drills. Rock Island Plow Co., Rock Island, Ill.
Rocking Fruit and Vegetable Parers. Hudson Parer Co., Leominster, Mass.
Rock Oak Leather Belting. Chas. A. Schieren Co., New York.
Rock-Race Brick Siding. Milwaukee Corrugating Co., Milwaukee, Wis.
Rock River Hay Carriers. Strickler Hay Tool Co., Janesville, Wis.
Rock-Run Blast Furnaces. Brass Fdry. & Mach. Co., Rock Run, Ala.
Rocktie Asphalt. Oakland Paving Co., Oakland, Cal.
Rockport Paving Blocks. Rockport Granite Co., Rockport, Mass.
Rockton Fire Clay Brick and Dust. Crescent Refractories Co., Curwensville, Pa.
Rockwell-Drake Ball Bearings. The Rockwell-Drake Corp., Plainville, Conn.
Rockwell Fuel Oil Burners, Melting and River Heating Furnaces. Monarch Engng. & Mfg. Co., Baltimore, Md.
Rockwell Furnaces. W. S. Rockwell Co., New York.
Rockwell Hardness Testing Machines. Wilson-Maeulen Co., New York.
Rockwell-Rupel Filing Cabinets and Supplies. Wabash Cabinet Co., Wabash, Ind.
Rockwell-Wabash Filing Cabinets and Supplies. Wabash Cabinet Co., Wabash, Ind.
Rockwood Automatic Sprinklers, Fire Extinguishers, Unions. Rockwood Sprinkling Co., Worcester, Mass.
Rockwood Friction Gears and Pulleys. Rockwood Mfg. Co., Indianapolis, Ind.
Rockwood Pig Iron. Roane Iron Co., Chattanooga, Tenn.
Rockwood Pressed Steel Unions, Pipe Caps, Crank and Machine Handles. Rockwood Sprinkler Co. of Mass., Worcester, Mass.
Rockwood Sprinkler System Automatic Fire Sprinklers. Rockwood Sprinkler Co., Worcester, Mass.
Rocky Mountain Ford Brakes and 6-Speed Transmissions. Rocky Mountain Steel Products, Inc., Los Angeles, Cal.
Rocky Mountain Steel Wagon Skeins. American Skein & Foundry Co., Racine, Wis.
Roco Cold Water Glue. The Reardon Company, St. Louis, Mo.
Roco Counters. The Root Company, Bristol, Conn.
Roco Counting Machines and Revolutionary Counters. Chas. J. Root, Bristol, Conn.
Roco Kitchen Enameled Ware. Coonley Mfg. Co., Cicero, Ill.
Roco Oil and Water Pumps. C. F. Roper & Co., Hopedale, Mass.
Rocobeco Elevator Belting. Robins Conveying Belt Co., New York.
Rococo Lavatories. Crane Co., Chicago.
Rode X Magazine Feed Radiators. Central Radiator Co., New York.

Rodebilder Tractors. Yuba Mfg. Co., San Francisco, Calif.
Roderick Lean Agricultural Implements. Roderick Lean Mfg. Co., Mansfield, O.
Rodgers Improved Cotton Cleaners. N. S. Sherman Mach. & Iron Wks., Oklahoma City, Okla.
Rodita Golf Heads. Metal & Alloy Specialties Co., Inc., Buffalo, N. Y.
Rodiuna Storage Batteries. Milwaukee Auto Specialty Co., Milwaukee, Wis.
Rodtite Packing Mfrs., Pistons and Valve Rods, Plungers, Pumps, Engines, Etc. Darcoid Co., New York.
Rodtite Piston-rod and Valve-steam Packing. Dominion Asbestos & Rubber Corp., New York
Rod-Way Cloth Laying Machines. Shuttle Machine Co., New York.
Roe Boiler Injectors. Stephens Roe Mfg. Co., Detroit, Mich.
Roe Levels. Eden Specialty Co., Brooklyn, N. Y.
Roe Manheads, Yokes, etc Glasgow Iron Co., Pottstown, Pa.
Roe's Awning Fixtures. Roe Justus & Sons, Patchogue, N. Y.
Roe's Steel Tapes. Justus Roe & Sons, Patchogue, N. Y.
Roebling Blue Center Steel Rope; Wire Rope and Wire. John A. Roebling's Sons Co., Trenton, N. J.
Roenius Coal Chutes. American Carbonic Machinery Co., Wisconsin Rapids, Wis.
Rofico Innersoling Shoe Fibre. Rogers Fibre Co., Boston, Mass.
Rogers Auto Brass Shine Metal Polish. Detroit White Lead Wks., Detroit, Mich.
Roeper Cranes, Hoists, Trolleys, Etc. Roeper Crane & Hoist Works, Reading, Pa.
Rogers Adjustable Auger Handles. Millers Falls Co., New York.
Rogers All-Steel Trailers. Rogers Bros. Co., Albion, Pa.
Rogers Automobile Truck Trailers. Rogers Bros. Co., Albion, Pa.
Rogers Babbitt Metal. Rogers Metal Works, Kansas City, Mo.
Rogers Belt Punches. E. C. Atkins & Co., Indianapolis, Ind.
Rogers-Buffalo Automatic Knife Grinders; Saw Sharpeners. Samuel C. Rogers & Co., Buffalo, N. Y.
Rogers Grate Bars. Salamander Grate Bar Co., New York.
Rogers Carbon Paper. Rogers Manifold & Carbon Paper Co., N. York.
Rogers Carbon Removers, Carriage Top Dressing. Detroit White Lead Works, Detroit, Mich.
Rogers Extra Babbitt Metal. Rogers Metal Works, Kansas City, Mo.
Rogers Gauges, Reamers. John M. Rogers Works, Gloucester City, N. J.
Rogers Measuring Standards, Adjustable Hollow Mills, Mandrills, Etc The John M. Rogers Works, Inc., Gloucester City, N. J.
Rogers Nickel Babbitt Metal. Rogers Metal Works, Kan. City, Mo.
Rogers Nickel A Babbitt Metal. Rogers Metal Wks., Kan. City, Mo.
Rogers Packing. Chaplin-Fulton Mfg. Co., Pittsburg, Pa.
Rogers Paint and Varnish. Detroit White Lead Works, Detroit, Mich.
Rogers Saw Filing and Setting Machines. American Wood Working Machinery Co., Rochester, N. Y.
Rogers Special Babbitt Metal. Rogers Metal Wks., Kan. City, Mo.
Rogers Star No. 1 Babbitt Metal. Rogers Metal Wks., Kan. City, Mo.
Rogers Star No. 2 Babbitt Metal. Rogers Metal Wks., Kan. City, Mo.
Rogers Steam Packing. Chaplin-Fulton Mfg. Co., Pittsburgh, Pa.
Rogers Tree and Bracket Insulators. Frank Ridlon Co., Boston.
Rogers Wet Machines. Glens Falls Machine Wks., Glens Falls, N. Y.
Roglo Polish. Ross Gloss Co., Auburndale, Mass.
Rohrer's Sash Weights. Caldwell & Drake Iron Wks., Columbus, Ind.
Rolamat Matting. Keystone Wire Matting Co., Beaver Falls, Pa.
Rollaway Door Hangers and Track. Frantz Mfg. Co., Sterling, Ill.
Rollaway Motors. Rollaway Co., Toledo, O.
Roller Express Children's Wagons. Ames-Van Aken Mfg. Co., Inc., Syracuse, N. Y.
Rollerine Roller Bearing Lubricants. Royersford Fdry. & Mch. Co., Royersford, Pa.
Roller Lawn Swings. The F. E. Myers & Bro., Ashland, O.
Roller Nut Vises. The Abernathy Vise & Tool Co., Chicago.
Roller Pipe Vises. Mark Mfg. Co., Evanston, Ill.
Roller Rail Bender. Pettibone, Mulliken & Co., Chicago.
Roller-Smith Bond Tester. Roller-Smith Co., New York.
Roller-Smith Switches, Galvanometers, Ommeters, Wattmeters. Roller-Smith Co., New York.
Roll-E-Z Casters. G G G Metal Stamping Co., Warren, Pa.
Rollfast Handle Bars, Roller Bearing Skates, Oil and Grease Guns. American Skate & Mfg. Co., Reading, Pa.
D. P. Harris Hdwe. & Mfg. Co., New York.
Rolling Mill Steam Engines. C. & G. Cooper, Mount Vernon, O.
Rollins Closet Seats. Sanitas Mfg. Co., Boston, Mass.
Rollinson Transformers. Mohawk Electric Mfg. Co., Newark, N. J.
Rollis Combination Squares, Tool Sets, Hand Vises and Tap Wrenches. M. W. Robinson Co., New York.
Rollman Nut Crackers, Apple Corers and Food Choppers. Rollman Mfg. Co., Mt. Joy, Pa.
Rollman Tobacco Transplanters. New Idea Spreader Co., Coldwater, O.
Rolls-Royce Automobiles. Rolls-Royce of Am., Inc., Springfield, Mass.
Roll Top Oil Cabinets. I. F. Bowser & Co., Fort Wayne, Ind.
Rolltop Steel Coin Guards. J. L. Davidson Co., Los Angeles, Cal.
Rollway Bearings. Railway Roller Bearing Co., Syracuse, N. Y.
Rollway Circulating Pumps. Michigan Machine Co., Detroit, Mich
Rollway Roller Bearings. Rollway Bearing Co., Inc., Syracuse, N. Y.
Rolofilm Duplicators. Beck Duplicator Co., New York.
Roman Electric Lampposts. Casey-Hedges Co., Chattanooga, Tenn.
Roman Fertilizer Distributors. Towers & Sullivan Mfg. Co., Rome, Ga.
Roman Paints. Roman Paint Co., Inc., San Francisco, Cal.
Romax Bearings. Herbert F. L. Funke Co., Inc., New York.
Rome City Clothes Bars. Holmquist & Co., Chicago.
Rome Copper Floats. Rome Sanitary Co., Rome, N. Y.
Rome Hollow Staybolt Iron. Rome Iron Mills, Inc., New York.
Rome Metal Ware. Rome Mfg. Co., Rome, N. Y.
Rome Metallic Berths, Bunks, Bed Spring and Folding Cots. Southern-Rome Co., Baltimore, Md.
Rome Metal Ware. Rome Mfg. Co., Inc., Rome, N. Y.
Rome Quality Brass and Copper Rods, Sheets, Etc. Rome Brass & Copper Co., Rome, N. Y.
Rome Superior Staybolt Iron. Rome Iron Mills, Inc., New York.
Rome-Turney Radiators. Rome-Turney Radiator Co., Rome, N. Y.
Rome Wire Electrical Wires. Rome Wire Co., Rome, N. Y.
Romelink All Metal Camp Bunks. Southern-Rome Co., Baltimore, Md
Romelink Hammocks. New York Couch Bed Co., L. I. City, N. Y.
Romer Axes. American Axe & Tool Co., Glassport, Pa.
Romer Axes, Hatchets, Barking Spades. Romer Axe & Tool Co., Dunkirk, N. Y.
Romort Automatic Cleaners, Air Valves, Tire Pump Connections and Engine. Romort Mfg. Co., Oakfield, Wis.
Ronan Hacksaw Blades. Ronan Saw Tool Works, Buffalo, N. Y.
Ronberg Concrete Shovels. Conneaut Shovel Co., Conneaut, O.
Rondo Lavatories. Crane Co., Chicago.
Roneo Letter Copiers and Office Appliances. Roneo Company, New York.
Roney Mechanical Stokers. Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
Ronson Auto Specialties and Advertising Novelties. The Art Metal Works, Inc., Newark, N. J.
Ronson Automobile Wrenches. Ronson Specialty Co., Newark, N. J.
Ronson Radiator Ornaments. Art Metal Works, Newark, N. J.
Roof Leak Roof Paint. Elliott Varnish Co., Chicago.
Roofcoat Roofing Coats, Fire Resisting Paints. Jones Paint Co., Rome, N. Y.
Roofkoter Paint. Tropical Paint & Oil Co., Cleveland, O.
Roof Leak Varnish. Elliott Varnish Co., Chicago.
Roofrite Roofing, Waterproof Canvas. The Lehon Co., Chicago.
Roof Tight Asbestos Liquid Roof Coating and Plastic Roof Cement. Anlakwa Co., Chicago.
Rooftite Cement. Sall Mountain Company, Chicago.
Rooke Fare Register. Rooke Automatic Register Co., Providence, R. I.
Rooksby Portable Machine Tools. E. J. Rooksby & Co., Philadelphia, Pa.
Root Blowers. P. H. & T. M. Root Co., Connellsville, Ind.
Root Corn Planters. Weaver & Co., New Oxford, Pa.
Root Corn Shellers. A. B. Farquhar Co., Ltd., York, Pa.
Root Exhaust Heads, Riveted Steel Pipe, Tubular Boilers. Abendroth & Root Mfg. Co., Newburgh, N. Y.
Root Machine Counters. The C. J. Root Co., Bristol, Conn.
Root Scrapers. Root Spring Scraper Co., Kalamazoo, Mich.
Root Snow Plows. Kalamazoo Ry. Supply Co., Kalamazoo, Mich.
Root Spring Scrapers. Root Spring Scraper Co., Kalamazoo, Mich.
Root Spiral Riveted Pipe; Boilers. Abendroth & Root Mfg. Co., New York.
Root Wood Boring Machines. B. M. Root Co., York, Pa.
Root & Barron Roofing Cements. J. R. Bostwick & H. J., Clifton Springs, N. Y.
Root's Vacuum Pumps. P. H. & F. M. Roots, Connersville, Ind.
Roovers Type Embossing Presses. Roover Bros., Brooklyn, N. Y.
Rope-A-Line Wire Rope Lubricant and Preservative. Broderick & Bascom Rope Co., St. Louis, Mo.
Roper Propeller Wheels. C. F. Roper & Co., Hopedale, Mass.
Roper Separators. The American Tool & Machine Co., Boston, Mass.
Roplex Rotary Pumps. Dow-Harriman Co., San Francisco, Cal.
Ropoleum Rope Dressing. O. F. Zurn Co., Philadelphia, Pa.
Ro-San Sanitary Specialties. Rowe Sanitary Mfg. Co., Detroit, Mich.
Rosco Glass Desk Pads. Ravenswood Office Specialties Co., Chicago.
Rosco Signal Lamps and Reflectors. A. W. Rosen & Co., New York.
Rose Automobile Accessories. Frank Rose Mfg. Co., Hastings, Neb.
Rose Air Tire Pumps. J. H. Haney & Sons, Omaha, Neb.
Rose City Outing and Waterproof Clothing. Hirsch-Weis Mfg. Co., Portland, Ore.
Rose Grate Bars, Shaking Grates. Sprague Foundry & Mfg. Co., Council Bluffs, Ia.
Rose Label Tape and Patch Sewing Machines. National Marking Machine Co., Cincinnati, O.
Rose Sad Irons. Rosenbaum Mfg. Co., New York.
Rose Stocks and Dies. Wiley & Russell Mfg. Co., Greenfield, Mass.
Rose Tools. The S. Rose Co., New York.
Rose X-ray and High Frequency Coils. Empire Electric Co., Inc., Los Angeles, Cal.
Rosedale Screw Drivers. Turner & Deegan, Bristol, Conn.
Rosedale Tin Plate. Follansbee Bros. Co., Pittsburgh, Pa.
Rosedore Glass Shades. Consolidated Lamp & Glass Co., Coraopolis, Pa.
Rosemont Mirrors. Fiberloid Corp., Indian Orchard, Mass.
Rosenthal Corn Huskers, Ensilage Cutters. Rosenthal Corn Husker Co., Milwaukee, Wis.
Ross Annunciators. Electric Goods Mfg. Co., Canton, Mass.
Ross Bull and Calf Wheels for Oil Rigs. Keystone Iron & Steel Wks., Los Angeles, Cal.
Ross Computing Machines. Computer Mfg. Co., San Francisco, Cal.
Ross Feed and Fodder Cutters. E. W. Ross Co., Springfield, O.
Ross Joints, Heaters, Coolers, Evaporators, Condensers, Condensing Plants and Strainers. Ross Heater & Mfg. Co., Inc., Buffalo, N. Y.
Ross-Keller Brick Machines. Excelsior Tool & Mach. Co., E. St. Louis, Ill.
Ross Mine Ties. Fairmont Mining Machinery Co., Fairmont, W. Va.
Ross Operating Valves. Ross Valve & Mfg. Co., Detroit, Mich.
Ross Organ Motors. Ross Valve Mfg. Co., Troy, N. Y.
Ross Photographic Lenses. Geo. Murphy, Inc., New York.
Ross Rotary Pumps. Chas. Ross & Son Co., Brooklyn, N. Y.
Ross Safety Water Columns. Treadwell Engineering Co., Easton, Pa.
Ross Sterling Gears. Ross Gear & Toll Co., Lafayette, Ind.
Ross Stokers. Harrisburg Foundry & Machine Wks., Harrisburg, Pa.
Ross Wheel Trueing Tool for Precision Grinding. Ross Mfg. Co., Cleveland, O.
Rossco Glass Desk Pads. Ravenswood Office Specialties Co., Chicago.
Rossie Iron Ore Paints. Rossie Iron Ore Paint Co., Ogdensburg, N. Y.
Rost Spiral Riveted Pipe. Abendroth & Root Mfg. Co., New York.
Rostand Automobile Wind Shields, Book Racks, Bronze Sun Dials, Colonial Candlesticks, Cuspidors, Door Stops, Fire-Place Furnishings. Rostand Mfg. Co., Milford, Conn.
Rostern Flexible Joints. Rostern Steam Joint Co., Chicago.
Ro-Tap Testing Sieve Shaker. The W. S. Tyler Co., Cleveland, O.
Rotarex Electric Clothes Ironing and Washing Machines. Apex Electrical Mfg. Co., Cleveland, O.
Rotary Hydros Bottle Soaking Machines. Loew Mfg. Co., Cleveland.
Rotary Oil Burners. Rotary Mfg. Co., Los Angeles, Cal.
Rotary Percolator-Extractors for Oil and Grease Extraction. C. O. Bartlett & Snow Co., Cleveland, O.
Rotary Prize Whist Brooms. Amsterdam Broom Co., Amsterdam, N. Y.
Rotary Wick Feed Oil Cups. Hunter Pressed Steel Co., Lansdale, Pa.
Rotator Hammer Drills. Sullivan Machinery Co., Chicago.
Rotator Rock Drills. Sullivan Machinery Co., Chicago.
Rotax Grinders, Valves and Soldering Flux, Paste and Salts. Rotax Co., New York.
Roth Blowers. Roth Bros. & Co., Chicago.
Rothmotors (Electric Motors). Roth Bros. & Co., Chicago.
Rothschild Ball Cocks. John Simons Co., New York.
Rothweiler Brake Shoes, Grease Gun and Barrel Pumps. Western Pacific Sales Co., Seattle, Wash.
Rothweiler Pipe Wrenches. Crescent Forging Co., Oakmont, Pa.
Rothweiler Truck Units. Rothweiler Truck Co., Seattle, Wash.
Rothwell Continuous Thickeners, Cyanide Plants. Colorado Iron Works Co., Denver, Colo.
Roto Electric Blowers. Rosewater Electric Co., Cleveland, O.
Roto Flue and Boiler Cleaners, Air and Water Motors. Roto Co., Hartford, Conn.
Rotofilm Duplicators. Beck Duplicator Co., New York.

Rotokoll Telephone Switchboards. Electric Goods Mfg. Co., Canton, Mass.
Rotometer Steam Meters. Am. District Steam Co., N. Tonawanda, N.Y.
Rotopac Asbestos Packing for Rotary and Centrifugal Pumps. The Garlock Packing Co., Palmyra, N. Y.
Rotoplater Plating Barrel. The Connecticut Dynamo & Motor Co., Irvington, N. J.
Roturbo Pumps, etc. Manistee Iron Wks., Manistee, Mich.
Rouberg Shovels, Spades. Conneaut Shovel Co., Conneaut, O.
Rough Rider Springs. Jackson Cushion Spring Co., Jackson, Mich.; Reynolds Spring Co., Jackson, Mich.
Rough and Ready Screw Drivers. Cassady Fairbank Mfg. Co., Ch'go.
Round Black Auto Bumpers. United States Spring Co., Los Angeles.
Round Frame Port Lights. Thos. Laughlin Co., Portland, Me.
Round Oak Stoves. Beckwith Co., Dowagiac, Mich.
Round Oak Pipeless Furnaces, Etc. Beckwith Co., Dowagiac, Mich.
Round Rowlocks. Thos. Laughlin Co., Portland, Me.
Round-Ruf Garage. Butler Mfg. Co., Kansas City, Mo.
Round Safety Cylinder Heads. Frank Stutzman, Williamsport, Pa.
Roulsted Engine Lathes. Hill, Clarke & Co., Inc., Boston, Mass.
Rousch Mail Pack. Universal Draft Gear Attachment Co., Chicago.
Rouse Check Valve. Scott Valve Mfg. Co., Detroit, Mich.; Stephans Roe Mfg. Co., Detroit, Mich.
Rouse Hub Bands. Eastern Malleable Iron Co., Naugatuck, Conn.
Rouse Patent Sea Anchor. Capt. Frederick Rouse, New York.
Routt Factory Built Sectional Houses. Routt Lumber Co., Fresno, Cal.
Rovenose Hardware. Hibbard, Spencer, Bartlett & Co., Chicago.
Rover's Egg and Cream Beaters. G. M. Thurnauer Co., New York.
Rowbottom Cam Milling Machines, Presses, Grinders. Rowbottom Machine Co., Waterbury, Conn.
Rowbottom Yankee Bench and Power Presses. Rowbottom Mach. Co., Waterville, Conn.
Rowe Feed Water Regulators. Jas. McCrea & Co., Chicago.
Rowe Motor Trucks. Rowe Motor Mfg. Co., Lancaster, Pa.
Rowe Removable Screw and Steel Toe Calks. Rowe Calk & Chain Co., Plantsville, Conn.
Rowell Feed Cutters. I. B. Rowell Co., Waukesha, Wis.
Rowell Grain Disc Drills, Seeders and Sowers. Tiger Drill Mfg. Co., Beaver Dam, Wis.
Rowell Railway Car Movers. G. D. Rowell & Son, Appleton, Wis.
Rowland Shovels, Spades. Ames Shovel & Tool Co., Jersey City, N. J
Rowley Fish Screens. Burpee & Letson, Bellingham, Wash.
Rox Pasted Binder Board. C. B. Hewitt & Bros., Inc., New York.
Roxbro Braided and Rubber Hose, Sheet and Square Pump Packing. Boston Belting Corp., Boston, Mass.
Roxbury Garden Cultivators. Whitaker Mfg. Co., Chicago.
Roxbury Walking Plows. Wm. & Hy. Bronson, Roxbury, Conn.
Royal Alkali. Royal Chemical Co., Phoenix, R. I.
Royal Air Valves. Pierce, Butler & Pierce Mfg. Corp., New York.
Royal Archer Rubber Sheeting. Archer Rubber Co., Milford, Mass.
Royal Asphalt Roofing. National Roofing Co., Tonawanda, N. Y.
Royal Autopak Waste, Cotton and Wool Waste, Cleaning Cloths. Royal Mfg. Co., Rahway, N. J.
Royal Barn Door Hangers, Hay Carriers. Louden Machine Co., Fairfield, Ia.
Royal Belt Dressing. Manufacturers' Oil & Grease Co., Cleveland, O.; O. F. Zurn Co., Philadelphia.
Royal Belting. Goodyear Rubber Co., New York.
Royal Bibbs, Cocks and Shower Mixing Valves. Royal Brass Mfg Co., Cleveland, O.
Royal Blank Books. Vernon, Inc., S. E. & M., New York.
Royal Blanket Snaps, Flexible Buckle Shields. North & Judd Mfg. Co., New Britain, Conn.
Royal Blowers and Forges. Cassedy-Otto Mfg. Co., Chicago Heights Ill.
Royal Blue Dusters. Chicago Feather Duster Co., Chicago.
Royal Blue Lawn Mowers. Chadborn & Coldwell Mfg. Co., Newburgh, N. Y.
Royal Blue Feed Grinders, etc. New Winona Mfg. Co., Winona, Minn
Royal Blue Packing. Voorhees Rubber Mfg. Co., Jersey City, N. J
Royal Boilers and Furnaces. Hart & Crouse Co., Utica, N. Y.
"Royal" Box Strapping. The Wire & Steel Products Co., Inc., New York.
Royal Brand Lubricating Oils. The O. F. Zurn Co., Phila., Pa.
Royal Brand Roofing. National Roofing Co., Tonawanda, N. Y.
Royal Bunting. U. S. Bunting Co., Lowell, Mass.
Royal Butchers' Cleavers. John B. Black Co., Chester, Pa.
Royal Cafe Fry Pans. Royal Mfg. Co., Philadelphia.
Royal Chafing Dishes, Toilet Paper Holders. W. H. Sweeney Mfg. Co., Brooklyn, N. Y.
Royal Cement Plasters. Acme Cement Plaster Co., St. Louis, Mo.
Royal Cements. Dixie Portland Co., Chattanooga, Tenn.
Royal Cobblers' Outfits. Fate-Root-Heath Co., Plymouth, O.
Royal Coffee Roasters, Meat and Food Choppers and Slicers. A. J. Deer Co., Hornell, N. Y.
Royal Cooking Stoves. Odin Stove Mfg. Co., Erie, Pa.
Royal Corn Shellers. Appleton Mfg. Co., Batavia, Ill.
Royal Cotton and Wool Waste, Cleaning Cloths, Mattress and Spinning Stocks. Royal Mfg. Co., Rahway, N. J.
Royal Creosote Shingle Stains. A. Wilhelm Co., Reading, Pa.
Royal Crystal Salt. Inland Crystal Salt Co., Salt Lake City, Utah.
Royal Cup Grease. Columbia Refining Co., New York.
Royal Dane Milk Cans. Oakes & Burger Co., Cattaraugus, N. Y.
Royal De Luxe Automobile Lamps. Post & Lester, Hartford, Conn.
Royal Display Racks. Weston Paper & Mfg. Co., Dayton, O.
Royal Door Hangers. Richards-Wilcox Mfg. Co., Aurora, Ill.
Royal Dumping Wagons. Smith & Sons Mfg. Co., Kansas City, Mo
Royal Electric Cleaners, Vibrators and Hair Dryers. Geier Company, The P. A., Cleveland, O.
Royal Extra Belting. Chas. A. Schieren & Co., New York.
Royal Extra Leather Belting. Chas. A. Schieren Co., New York.
Royal Fire Extinguishers. Missouri Lamp Mfg. Co., St. Louis, Mo.
Royal Fire Hose Racks. Wirt & Knox Mfg. Co., Philadelphia.
Royal Fire Hose. Mechanical Rubber Co., Cleveland, O.
Royal Flue Stops. Roseland Can & Specialty Co., Rockford, Ill.
Royal Flue Stops, Stove Pipe Thimbles. Lalance & Grosjean Mfg. Co., New York.
Royal Flush Car Fenders and Wheel Guards. McGuire-Cummings Mfg. Co., Chicago.
Royal Flush Valves. Sloan Valve Co., Chicago.
Royal Fly Traps. Reynolds Wire Co., Dixon, Ill.
Royal Forge Blowers, Fire Pots, Portable Forges. Canedy-Otto Mfg. Co., Chicago Heights, Ill.
Royal Foundry Brushes. Worcester Brush & Scraper Co., Worcester, Mass.
Royal Furnaces and Boilers. Hart & Crouse Co., Utica, N. Y.
Royal Gypsum Products. Acme Cement Plaster Co., St. Louis, Mo.
Royal Hanging Lamps. Plume & Atwood Mfg. Co., Waterbury, Conn.
Royal Harness Menders. Louis Sacks, Inc., Newark, N. J.
Royal Hatchets. John B. Black Co., Chester, Pa.
Royal Hay Tedders. Thomas Mfg. Co., Springfield, O.
Royal Heating Stoves. Indiana Foundry Co., Inc., Indiana, Pa.
Royal Hose and Packing. Consolidated Rubber Co., Trenton, N. J.; Cincinnati Rubber Mfg. Co., Cincinnati, O.
Royal Hose. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Royal Ice Picks. Edw. Parkinsons Mfg. Co., Providence, R. I.
Royal Ironing Boards. A. G. Christman Co., Reading, Pa.
Royal Jr. Air Valves. Pierce, Butler & Pierce Mfg. Co., New York.
Royal Lamp Chimneys. Gill Bros. Co., Steubenville, O.
Royal Lath Yarn. St. Louis Cordage Mills, St. Louis, Mo.
Royal Lawn Mowers. E. C. Stearns & Co., Syracuse, N. Y.
Royal Lawn Swings. Challenge Co., Batavia, Ill.
Royal Leader Park Sprayers. Field Force Pump Co., Elmira, N. Y.
Royal Leather Belting. Barnum Bros. Co., Troy, N. Y.
Royal Liquid Soap. Hockwald Chemical Co., San Francisco, Cal.
Royal Lubricating Oils and Greases. National Oil Co., New York.
Royal Paper Cups. Royal Paper Products Co., New York.
Royal Mail Time Stamps. Ellis Time Stamp Co., Chicago.
Royal Marble. Ross & Republic Marble Co., Knoxville, Tenn.
Royal Oak Belting. Smyth-Despard Co., Utica, N. Y. Kelly-Linehan Belting Co., San Francisco, Calif.; **Eagle Belting** Co., Chicago; J. S. Turner Mfg. Co., Lowell, Mass.
Royal Oil Cups. Lunkenheimer Co., Cincinnati, O.
Royal Packing. Greene, Tweed & Co., New York.
Royal Pea Hullers. Chattanooga Implement & Mfg. Co., Chattanooga, Tenn.
Royal Pen and Pencil Clips. Argus Mfg. Co., Chicago.
Royal Phosphor Copper. R. F. Lang Est., New York.
Royal Platers' Compounds. Royal Chemical Co., Phenix, R. I.
Royal Pruning Shears. Smith, Seymour & Son, Oakville, Conn.
Royal Red Garden Hose, Etc. Cincinnati Rub. Mfg. Co., Cincinnati, O.
Royal Rochester Metal Ware. Rochester Stamping Co., Rochester, N. Y.
Royal Rock Crushers, Road Scrapers, Dumping Wagons. Smith & Sons, Mfg. Co., Kansas City, Mo.
Royal Roasters and Baking Pans. Silver & Co., Brooklyn, N. Y.
Royal Rose Racks. Wirt & Knox Mfg. Co., Philadelphia, Pa.
Royal Roofing Cement. A. Wilhelm Co., Reading, Pa.
Royal Rustic Match Safes. Royal Mfg. Co., Philadelphia.
Royal Sad Irons. Royal Iron Mfg. Co., Big Prairie, O.
Royal Shoe Polishes. S. M. Bixby & Co., Brooklyn, N. Y.
Royal Shower Bath. Sanitas Mfg. Co., Boston.
Royal Sisal Rope. St. Louis Cordage Mills, St. Louis, Mo.
Royal Sickle Grinders. Clizbe Bros. Mfg. Co., Plymouth, Ind.
Royal Smokeless Water Tube Boilers. Hart & Crouse Co., Utica, N. Y.
Royal Standard Leather Belting. J. Bachmann Co., New York.
Royal Strap Stretchers and Strap Seals. The wire & Steel Products Co., Inc., New York.
Royal Steel Ranges. Treaty Co., Greenville, O.
Royal Stone Clothes Washing Machines. H. F. Brammer Mfg. Co., Davenport, Ia.
Royal Stoves. Fox Furnace Co., Elyria, O.
Royal Sulky Plows. Racine-Sattley Co., Springfield, Ill.
Royal Tin Lanterns. R. E. Dietz Co., New York.
Royal Torrid Steam Heaters. W. H. Drake Co., Newark, N. J.
Royal Typewriters. Royal Typewriter Co., Inc., New York.
Royal Vacuum Cleaners, Electric Hair Dryers and Washing Machines. P. A. Geire Co., Cleveland, O.
Royal Valve Grinders. Universal Equip. & Sup. Co., Syracuse, N. Y.
Royal Ventilators and Steam Exhaust Heads. Royal Ventilator Co., Philadelphia, Pa.
Royal Wagon and Stock Scales. Zimmerman Steel Co., Bettendorf, Ia.
Royal Washington Leather Belting. Pacific Belting Co., Seattle, Wash.
Royal-White Rubber Hose, Mats and Sheet Packing. W. H. Salisbury & Co., Inc., Chicago.
Royal Window Washers Safety Devices. G. F. Minnis, Chicago.
Royal Wood Preserver. Royal Wood Preserver Co., St. Louis.
Royal Worcester Belt Lacing, Belt Cements and Dressing. Graton & Knight Mfg. Co., Worcester, Mass.
Royal Worcester Blotting Paper. Standard Paper Mfg. Co., Richmond, Va.
Royal Worcester Lubricating Oils and Greases. White & Bagley Co., Worcester, Mass.
Royal Worcester Refillable Wire Broom. Worcester Brush & Scraper Co., Worcester, Mass.
Royal Worcester Track Brooms and Brushes. Worcester Brush & Scraper Co., Worcester, Mass.
Royal Woven Wire Fences and Stretchers. American Steel & Wire Co. Chicago.
Royal Zest Food Colors, Dyes and Dyestuffs. B. Heller & Co., Chicago.
Royaluxe Enamels. A. Wilhelm Co., Reading, Pa.
Roybel Double Pointer Dials. Royer & Zweibel, Wilkes-Barre, Pa.
Royersford Punches and Shears. Royersford Foundry & Machine Co., Philadelphia, Pa.
Rub and Kurry Horse Brushes. Standard Brush Co., Hartford, Conn.
Rubber Back Backing. Boston Belting Corp., Boston.
Rubber Bone Whips. Featherbone Whip Co., Westfield, Mass.
Rubber Collars and Cuffs. The Arlington Works (E. I. du Pont de Nemours & Co.) New York.
Rubber Cork Washers. Armstrong Cork & Insulation Co., Pittsburgh.
Rubber Size Carpet Size. Geo. E. Wightman Co., Portland, Ore.
Rubberbestos Gaskets and Packing. A. W. Chesterton & Co., Boston, Mass.
Rubberhide Boots and Shoes. Rubberhide Co., Boston.
Rubber-Ite Stitched Cotton Belting. McIlroy Belting & Hose Co., Hammond, Ind.
Rubberite Varnish. Atlantic Drier & Varnish Co., Philadelphia, Pa.
Rubberoid Handle Screw Drivers. Vichek Tool Co., Cleveland.
Rubberoileum Linoleum. Ringwalt Linoleum Works, New Brunswick, N. J.
Rubberset Brushes. Rubberset Co., Newark, N. J.
Rubberstone Floor Covering. Rubberstone Flooring Corp., New York.
Rubbestos Rubber Heels and Rubber Soles. Atlantic Mfg. Co., Wilmington, Del.
Rubbertex Mastic Tile Flooring. E. N. Biegler Mfg. Co., Chicago.
Rubbo Lastic Roof Coating. I. W. Cummings, Detroit, Mich.
Ru-ber-oid Asphalt Sheathing Boiler Plastic; Felt, sill covering; Cab Roofing; Car Roofing; Duck for Passenger Cars; Giant Paper (Insulating and Building); Hercules Paper (Insulating and Building); Liquid Fibre Cement (for old roofs); Mineralized Roofing Extra Heavy; Smooth-surfaced Roofing; Roof-coating (Ruberine); Roof-cement; Shingles, Strip (Patented); Unit-Self Spacing; Cement Waterproofing; Pipe Seal; Plastic, Solid Bitumen, Stains for Asphalt Shingles and Roofing; Structural Paints; Lap Fasteners. The Ruberoid Co., New York, Chicago and Boston.

Ruberoid Built-up Roofing. The Ruberoid Co., New York, Chicago and Boston.
Ruberoid Giant Insulating Paper. Ruberoid Co., New York.
Ruberoid Hercules Insulating Paper. Ruberoid Co., New York.
Rubes Automobile Horns. Automobile Supply Mfg. Co., Brooklyn, N. Y.
Rubico Brushes, Brooms, Dusters. Rubin, Schumann Co., New York
Rubispierre's Patent Leader Heads. Greason Mfg. Co., New York.
Rub On Paint. J. G. Hetzel (Est. of), Newark, N. J.
Rubottom Reversible Combination Plow and Scraper. P. B. Hackley Equipment Co., San Francisco.
Rubpron Mineral Rubber. The Chacon Trading Co., New York.
Rubra Boiler Oil. Talmadge Mfg. Co., Cleveland, O.
Rubristo Set-in-Rubber Brushes. Hanlon & Goodman Co., New York.
Rubro Rubber Hose. Pioneer Rubber Mills, San Francisco.
Rub-Steel Valves. Voorhees Rubber Mfg. Co., Jersey City, N. J.
Ruby Cordage and Twines. Bibb Mfg. Co., Macon, Ga.
Ruby Globe Warning and Guidepost. Geo. Cutter Co., South Bend, Ind.
Ruby Gloss Polish. E. W. Hayden Co., Toledo, O.
Ruby Lantern Globes. Crescent Glass Co., Wellsburg, W. Va.
Ruby Leather Board. C. B. Hewitt & Bros., Inc., New York.
Ruby Lubricating Oil. D. A. Stuart & Co., Chicago.
Ruby Packing. New York Belting & Packing Co., New York.
Ruby-Rub Metal Polish. Hinds & Coon, Boston, Mass.
Ruby Rubber Hose. National India Rubber Co., Bristol, R. I.
Ruby Shoveling and End Gate Boards. Hayes Pump & Planter Co., Galva, Ill.
Ruby Soldering Fluid. Ruby Chemical Co., Columbus, O.
Ruby-Ray Auto Stop Signals. Kay Bee Mfg. Co., Los Angeles, Cal.
Rubyrib Garden Hose. Elec. Hose & Rubber Co., Wilmington, Del.
Ruckstell 2-Speed Axle for Autos. Ruckstell Sales & Mfg. Co., Berkeley, Cal.
Ruco Liquid Soap and Janitors' Supplies. Rider-Upright Mfg. Co., Inc., Los Angeles, Cal.
Rud Farm Wagons. C. O. Rud, Lansing, Ia.
Rud Rubber Hose. J. W. Buckley Rubber Co., New York.
Ruddy Rubber Hose. Elec. Hose & Rubber Co., Wilmington, Del. ton, Del.
Rude Grain Drills. Rude Mfg. Co., Liberty, Ind.
Rude-Northwestern Grain Drills. Rude Mfg. Co., Liberty, Ind.
Rudge-Whitworth Wire Wheels. Standard Roller Bearing Co., Plainville, Conn.
Rudie Cut-Out Valves. Western Brass Mfg. Co., Chicago.
Rudolph & Krummel Crimping and Beading Machines, Ring Forming Machines, Etc. Metal Package Corp. of York, New York.
Rue Boiler Washer and Tester. Rue Mfg. Co., Philadelphia, Pa.
Ruff Simplex Pasteurizing Machines. A. Magnus Sons Co., Chicago.
Rufus Spring Tooth Harrows. Brinly Hardy Co., Louisville, Ky.
Rug Anchor (To Prevent Rugs from Slipping). E. I. du Pont de Nemours & Co., Inc., Fabrikoid Division, Newburgh, N. Y.
Rug-Down (Rug fasteners). Empire Notion Company, New York.
Rugby Lavatories. Crane Co., Chicago.
Rugg Snow Shovels. Rugg Mfg. Co., Greenfield, Mass.
Ruggles Boiler Flue and Tube Cleaners. H. W. Caldwell & Son Co., Chicago.
Ruggles-Coles Dryers. Ruggles-Coles Engineering Co., New York.
Ruggles Stone Sawing Machines, Slate Drilling and Countersinking Machines, Wire Rope Tramways. Ruggles Machine Co., Poultney, Vt.
Ruhm Korff Coils. International Brass & Electric Co., New York.
Ruhral Agricultural Suction Hose. Quaker City Rubber Co., Phila.
Rumely Gang Plows, Grain Grinders and Weighers, Clod Crushers, Clover Hullers, Steam and Traction Engines. Advance Rumely Co., La Porte, Ind.
Rumely Gas and Gasoline Engines; Oil Pull Tractors. Advance-Rumely Thresher Co., Inc., La Porte, Ind.
Rumely Ideal Grain and Rice Separators. Advance Rumely Co., La Porte, Ind.
Rumely Ruth Self Feeders and Band Cutters. Advance-Rumely Thresher Co., Inc., La Porte, Ind.
Rumsey Pumps. Rumsey Pump Co., Ltd., Seneca Falls, N. Y.
Run Rite Casters. Hamilton Caster & Mfg. Co., Hamilton, O.
Rundle-Spence Drinking Fountains. Rundle-Spence Mfg. Co., Milwaukee, Wis.
Rundle's Powder Thawers. A. J. Rundle, Iron Mountain, Mich.
Run Easy Door Hangers. E. E. Souther Iron Co., St. Louis, Mo.
Run Rite Casters. Hamilton Caster & Mfg. Co., Hamilton, O.
Runic Packing. Consolidated Rubber Co., Trenton, N. J.
Runner Tires, Casings and Tubes. Marathon Tire & Rubber Co., Cuyahoga Falls, O.
Runwel Door Hangers and Track. Frantz Mfg. Co., Sterling, Ill.
Runwell Lubricating Oils and Greases. G. C. Woolley Co., New York.
Ruppelite Water Closet Tanks and Seats. Hayes-Ruppel Mfg. Co., Grand Rapids, Mich.
Rural Garden Cultivators. Empire Plow Co., Cleveland, O.
Rural Lubricators. Michigan Lubricator Co., Detroit, Mich.
Rural Sight Feed Lubricators. Michigan Lubricator Co., Detroit, Mich
Rusco Belting, Banding, Brake Lining and Webbing. Russell Mfg. Co., Middletown, Conn.
Rusden Steaming Machines. Textile Finishing Machy. Co., Providence, R. I.
Rus-Go Rust Remover. Babbitt Steam Specialty Company, New Bedford, Mass.
Rush Ford Timers, Timer Rollers, Brake Bands. W. S. Rush & Co., Los Angeles, Cal.
Rush-E-Raser Ink Brush Erasers. Rush Eraser Co., Syracuse, N. Y.
Rushford Farm Wagons. Winona Wagon Co., Winona, Minn.
Rush Motor Trucks. Rush Motor Truck Co., Philadelphia, Pa.
Rus-Pruf Tanks and Culverts. Butler Mfg. Co., Kansas City, Mo.
Rushton-Carroll Stock Conveyors. Rushton Carroll Co., Cambridge, Mass.
Russell Electric Lamp Sockets and Receptacles. E. H. Freeman Elec. Co., Trenton, N. J.
Russell Engines and Wagons. Russell & Co., Massillon, O
Russell Hand Power Presses. Ripley Fdry. & Machine Co., Ripley, O.
Russell Horse Nails. Standard Horse Nail Co., New Brighton, Pa.
Russell Hot Water Generators, Live Steam Separators, Steam Heaters, Steam Engines. Griscom-Russell Co., Chicago.
Russell Internal Gear Drive Axles. Russell Motor Axle Co., Detroit, Mich.
Russell Loggings Cars. Russell Wheel & Foundry Co., Detroit, Mich.
Russell Logging Car Trucks. Nicqually-Russell Car & Locomotive Works, Tacoma, Wash.
Russell Paper Trucks. The Lansing Company, Lansing, Mich.
Russell Plunger Pumps. Thos. Laughlin Co., Portland, Me.
Russell Road Machinery. Russell Grader Mfg. Co., Minneapolis, Minn.
Russell Rubber Horse Shoe Pads. Firestone Tire & Rubber Co., Akron, O.
Russell Sidewalk Snow Plows, Graders and Ditchers. Russell Grader Mfg. Co., Minneapolis, Minn.
Russell Snow Plows. Russell Car & Snow Plow Co., Ridgway, Pa.
Russell Storage Heaters; Steam Separators. The Griscom-Russell Co., New York.
Russell Straw Stackers. Buffalo Pitts Co., Buffalo, N. Y.
Russell Taps, Dies and Reamers. Russell Mfg. Co., Greenfield, Mass.
Russell Traction Engines, Thresher Cylinder Wrenches. Russell & Co., Massillon, O.
Russell-Hammer Automobile Horns. Russell Electric Co., Danbury, Conn.
Russeltine Shoe Blacking and Polishes. World Polish Mfg. Co., York, Pa.
Russia Bolt Rope. De Grauw, Aymar & Co., New York.
Russo Sheet Packing. A. W. Chesterton Co., Boston, Mass.
Russum Steel Diaphragms. Morton Mfg. Co., Chicago.
Russwin Car Door and Window Hardware; Liquid Door Checks; Panic Exit Bolts. Russell & Erwin Mfg. Co., New York.
Russwin Door Checks, Door Stops, Meat and Food Choppers, Panic-Exit Door Bolts, Spring Hinges. Russell & Erwin Mfg. Co., New Britain, Conn.
Rust Clay Mixers. Marion Machine, Foundry & Supply Co., Marion, Ind.
Rust Preventatives. Pecora Paint Co., Philadelphia, Pa.
Rust Proof Fences and Gates. Wickwire-Spencer Steel Corp., New York.
Rust Water Tube Boilers. The Babcock & Wilcox Co., New York.
Rustavoid Rust Prevention. Oil Specialties & Supply Co., New York.
Rustler Playing Cards. Rusell Playing Card Co., New York.
Rustler Potato Diggers. Racine-Sattley Co., Springfield, Ill.
Rustless Aluminum Rules. Rustless Rule Co., Inc., Buffalo, N. Y.
Rustless Padlocks. Fraim-Slaymaker Hdwe. Co., Inc., Lancaster, Pa.
Rustnought Coating Paints. Billings, Chapin Co., Cleveland, O.
Rutenber Electric Ranges. Rutenber Electric Co., Marion, Ind.
Rutenber Automobile Engines. Rutenber Motor Co., Marion, Ind.
Rutenber Engines and Motors. Western Motor Co., Logansport, Ind.
Rutenber Gasoline Engines. Rutenber Motor Co., Marion, Ind.
Ruth Flotation Machines. Denver Engineering Works Co., Denver, Colo.
Ruth Self-Feeders and Band Cutters for Threshers. Maytag Co., Newton, Ia.
Rutland Fire Brick, Fire Clay, Furnace Cements, Marble Dust, Plastic Stove Linings, Powdered Soapstone, Wood Fibre Plaster, Rutland Fire Clay Co., Chicago.
Rutledge Presses. Malcolmson Briquet Engineering Co., Chicago.
Ruthless Barbed Wire. Keystone Steel & Wire Co., Peoria, Ill.
Rutty Steel Wall Plugs. J. B. Prescott & Son, Webster, Mass.
Rutz Gas Range Lighter. Milwaukee Gas Specialty Co., Milwaukee, Wis.
Ruud Automatic Water Heaters. Ruud Mfg. Co., Pittsburgh, Pa.
Ruud Thermal Gas Heaters. Ruud Mfg. Co., Pittsburgh, Pa.
Ryan Ball Cocks. Henry Stein, New York.
Ryan Box Hinges. M. C. Ryan Co., Phoenix, N. Y.
Ryan Park Sprinklers. Jas. B. Clow Sons, Chicago.
Ryan's Ball Cocks. Exeter Brass Works, Exeter, N. H.
Rycco Vestibule Curtain Handles, Curtain Rollers and Open Car Curtain Fixtures. Railway Supply & Curtain Co., Chicago.
Ryner Grate Bars. Salamander Grate Bar Co., New York.
Ryder Meter Boxes. Clarksville Foundry & Machine Works, Clarksville, Tenn.
Ryerson CMC Machine Tools. Jos. T. Ryerson & Sons, Chicago.
Ryerson-Conradson Machine Tools. Jos. T. Ryerson & Sons, Chicago.
Ryerson Fire Hose Reels and Racks. W. D. Allen Mfg. Co., Chicago.
Ryerson Flue Cleaning and Flue Welding Machines. Jos T. Ryerson & Sons, Chicago.
Ryerson Flue Shop Equipment. Jos. T. Ryerson & Sons, Chicago.
Ryerson High Speed Twist Drills and Friction Saws. Jos. T. Ryerson & Son, Chicago.
Ryerson-Kling Punches and Shears. Jos. T. Ryerson & Son, Chicago.
Ryerson Lennox Beveling Shears, Rotary Shears, Serpentine Shears, Splitting and Plate Shears. Jos. T. Ryerson & Son, Chicago.
Ryerson-Milwaukee Lathes. Jos. T. Ryerson & Sons, Chicago.
Ryerson Pure Puddled Iron. Jos. T. Ryerson & Sons, Chicago.
Ryerson XX Engine Bolt Iron. Jos. T. Ryerson & Sons, Chicago.
Rymco Trolley Switch. Railway Materials Co., Chicago.
Ry-Namel Automobile Paint. Liberty Auto Co., Oakland, Cal.
Ryolite Tool Steel. Jos. T. Ryerson & Son, Chicago.
Ryt-O-Way Automobile Horns. Auto Metal Products Co., Inc., New York.

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S. Adjustable Wrenches, Pincers, Linemen's Climbers. H. D. Smith & Co., Plantsville, Conn.
S. Bath and Basin Traps. Ireland & Matthews Mfg. Co., Detroit, Mich.
S Brass, Copper, Cupro-nickel, Gilding Metal and German Silver. Stamford Rolling Mills Co., New York.
S Combination Wrenches. Jno. Stortz & Son., Philadelphia.
S Oils and Greases. Speedway Motor Oil Co., New York.
S Petroleum Polish and Oil. Standard Oil Co., Bayonne, N. J.
S Pipe Wrenches. Bonney Forge & Tool Wks., Allentown, Pa.
S Wrenches. American Brake Shoe & Foundry Co., Mahwah, N. J.; J. H. Williams & Co., Brooklyn, N. Y.
S-A Conveying Machinery. Stevens-Adamson Mfg. Co., Aurora, Ill.
S A Short Wall Coal Mining Machine. Morgan-Gardner Electric Co., Chicago.
S. A. E. Cap Screws. Detroit Screw Works, Detroit, Mich.
S. A. E. Special Bolts and Screws. Bell David Co., Inc. (The), Buffalo, N. Y.
S. B. B. Co. Stationery. Smith Blank Book Co., New York.
S. B. & I. Works Siamese Connections. Standard Brass & Iron Wks., Milwaukee, Wis.
S-Brand Canadian Carbide. Shawinigan Products Corporation, New York.
S-C Magnet Wire. Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y.
S. C. Milling Machine Cutters. The Cleveland Milling Machine Co., Cleveland, O.
S-C Pump Governors, Gauge Cocks and Feed Water Regulators. S. C. Regulator Mfg. Co., Fostoria, O.
S-C-H Industrial Furnaces. Strong, Carlisle & Hammond Co., Cleveland, Ohio.
S. C. S. Luggage Automobile Trunks. S. C. Simon & Co., Phila.
S-4 Couplers. Safety Car Heating & Lighting Co., New York.
S. P. M. Co. Mining Machinery. S. Flory Mfg. Co., Bangor, Pa.
S. I. E. System of Paving. Standard Industrial Engng. Corp., San Francisco, Cal.

S K F Marked Ball and Spherical Roller Bearings. S K F Industries, Inc., New York.
S. K. F. Self-Aligning Ball-Bearing Shaft Hangers, Ball Annular, Electrical Motors and Thrust Bearings. S. K. F. Ball Bearing Co., Hartford, Conn.
S. M. Pin Lock and Brushings. L. S. Brach Supply Co., New York.
S.-M. Watertight Lamp Guards. Seidler-Miner Elec. Co., Detroit.
S. M. B. Manganese Bronze Ingots. American Manganese Bronze Co, Philadelphia.
S-M-C Asbestos Brake and Transmission Lining, Friction Clutch Facings. Staybestos Mfg. Co., Philadelphia, Pa.
S. M. C. Fire Proofing Material. Mitchell-Tappen Co., New York.
S. M. S. Roof Flanges. Prier Brass Mfg. Co., Kansas City, Mo.
S-N Family Cleavers. Stephen Richard Co., Southbridge, Mass.
S. N. Gas Generators. Acetylene Generator Mfg. Co., Los Angeles.
S. N. Rooster Family Cleavers. Richard Stephen Co., Southbridge, Mass.
S. O. S. Storage Batteries. Victor Storage Battery Co., Rock Island, Ill.
S. P. C. Felt and Paper. Ruberoid Co., New York.
S. P. C. Imp Roofing. Ruberoid Co., New York.
S. P. F. Carbolineum. S. P. F. Wood Preserving Co., Inc., New York.
S. P. F. Wood Preservatives. S. P. F. Wood Preserving Co., Inc., Boston, Mass.
S. R. B. Ball Bearings. Standard Roller Bearing Co., Inc., Plainville, Conn.
S. R. Brass and Bronze Castings, Babbitt Metal. Super-Refined Metals Co., Los Angeles, Cal.
S. R. Knives. Stephen Richard Co., Southbridge, Mass.
S. R. Richards Knives. Stephen Richard Co., Southbridge, Mass.
S. S. Babbitt Metal. E. J. Welch & Co., Fitchburg, Mass.; William A. Hardy & Sons Co., Fitchburg, Mass.
S. S. Line Concrete Mixers. Cement Tile Machinery Co., Waterloo, Ia.
S. S. Magnetic Iron. Steel Sales Corp., Chicago.
S. S. P. Water Gauge Specialties. S. S. P. Mfg. Co., Chicago.
S S S Belting and Hose. Goodall Rubber Co., Philadelphia, Pa.
S. S. S. Brass Hose Nozzles. The Kelly & Jones Co., Greensburg, Pa.
S S S Concrete Mixers. The Standard Scale & Supply Co., Chicago.
S. S. S. Drag Road Scrapers. Sidney Steel Scraper Co., Sidney, O.
S. S. S. Gas Engines. Standard Scale & Supply Co., Pittsburgh, Pa.
S. S. S. Hose Nozzles. Kelly & Jones Co., Greensburg, Pa.
S. S. S. Ore Concentrators, Ore Dryers, Etc. Sutton, Steele & Steele, Inc., Dallas, Texas.
S. S. S. Packing. Crandall Packing Co., Palmyra, N. Y.
S. T. Clocks. Seth Thomas Clock Co., New York and Chicago.
S. T. D. Ratchet Drills. Lowell Wrench Co., Worcester, Mass.
S. V. Tuck Shoe Knives. Tuck Mfg. Co., Brockton, Mass.
S.-W. Storage Battery Enamels. Sherwin-Williams Co., Cleveland.
S. W. B. Wall and Plaster Boards. Schumacher Wall Board Co., Los Angeles, Cal.
S X Fibre. Tomkins Bros., Newark, N. J.
S. X. Flange and Steam Fittings. Essex Foundry, Newark, N. J.
S. & B. American Pressure, Vacuum, Locomotive and Marine Gauges and Recording Gauges. American Schaeffer and Budenberg Corp., Brooklyn, N. Y.
S. & B. Earth Augers. Eureka Mfg. Co., Richmond, Ind.
S. & B. Metal Polish. Uno Mfg. Co., Chicago.
S. & B. Photomicrographic Instruments. Sauveur & Boylston, Cambridge, Mass.
S. & B. Post Hole Augers. Eureka Fence Mfg. Co., Richmond, Ind.
S. & B. Pressure, Vacuum, and Mercury Gauges; Gauge Boards and Gauge Tester; Test Thermometers and Reform Dial Thermometers; Stationary Tachometers; Revolution Counters; Calorimeters. American Schaeffer and Budenberg Corp., Brooklyn, N. Y.
S & C Drill Press. Sloan & Chace Mfg. Co., Ltd., Newark, N. J.
S. & C. Extra High Potential Fuses. Economy Fuse & Mfg. Co., Chicago.
S. & C. Extra High Voltage Protective and Switching Equipment. Schweitzer & Conrad, Chicago.
S. & C. High Tension Protective and Switching Equipment. Schweitzer & Conrad, Inc., Chicago.
S. & Co. Saw Sets. Sargent & Co., New Haven, Conn.
S. & D. Jack Spools. Sweet & Doyle, Cohoes, N. Y.
S. & E. M. Co. Belt Punches. Smith & Egge Mfg. Co., Bridgeport, Conn.
S. & H. Hand Cleaner. American Soap & Washoline Co., Cohoes, N. Y.
S. & K. Corporation Cocks. Street & Kent Mfg. Co., Chicago.
S. & K. Heaters, Distilling Apparatus, Oil Coolers, Evaporators. Schutte & Koerting Co., Philadelphia.
S. & M. Automobile Headlights and Searchlights. S. & M. Lamp Co., Los Angeles, Cal.
S. & N. Car Couplers. Wallace Supply Co., Chicago.
S. & O. Motor Driven Erasers. Schunck, Ogg, New York.
S. & P. Oil Burners, Regulators, Strainers and Pumping Systems. Staples & Pfeiffer, San Francisco, Cal.
S. & R. Bolts. Stewart & Romaine Mfg. Co., Philadelphia, Pa.
S. & R. Collar Folding Machine. Sweet & Doyle Fdry. & Mach. Co., Green Island, N. Y.
S. & S. Cesspools. Storch & Scheid, Philadelphia.
S. & S. Filter Paper. Eimer & Amend, New York.
S. & S. Gasoline Engines and Revolving Screens. Cement Tile Machinery Co., Waterloo, Ia.
S. & S. Tool Steel. Schrock & Squires, New York.
S. & W. Latch Needles—Granite State Needles. Granite State Needle Co., Laconia, N. H.
S. & W. Reach Rods. Schweppe & Wilt Mfg. Co., Detroit, Mich.
Saal Silent Phonograph Motors. H. G. Saal Co., Chicago.
Saal Spring Motors, Auto Carbon Lights and Humidifiers and Carburator Diaphragm. H. G. Saal Co., Chicago.
Sabeco Bearing and Packing Metal. Frederickson Co., Saginaw, Mich.
Saben Keran Super High Speed Steel. Robert K. Greaves & Company, Chicago.
Saben Steel Saws. H. A. Drury & Co., New York.
Sabinite-Sound Absorbing Plaster. Keasbey & Mattison Co., Ambler, Pa.
Sable Harness Leather. Shultz Belting Co., St. Louis, Mo.
Sable Hydraulic Packing. The Henry Johnson Co., Inc., Jersey City, N.J.
Sable Rawhide Belting. Schultz Belting Co., St. Louis, Mo.
Sabre Leather Belting. McCauley Belting Co., Chicago.
Sacco Rolling Mills (For Jewelers, Dentists, Etc.) Samuel A. Crocker Co., Cincinnati, O.
Sachem Leather Belting. Ulmer Leather Co., Norwich, Conn.
Sachem Lubricators. Swift Lubricator Co., Elmira, N. Y.
Sachem Oil Cups. Swift Lubricator Co., Elmira, N. Y.
Sacket Plaster Board. Grand Rapids Plaster Co., Grand Rapids, Mich. United States Gypsum Co., Chicago.
Sacketts Plaster Boards. Fowler & Pay, Mankato, Minn.
Saco Brand Traction Uniforms. S. Abrahams & Co., Philadelphia, Pa.
Saco Cotter Pins. F. P. Smith & Co., Sharon Hill, Pa.
Saco Enameled Steel Signal Blades and Screw Padlocks. Signal Accessories Co., Utica, N. Y.
Saco Semaphore Signal Blades. Signal Accessories Corp., Utica, N. Y.
Sacony Oils. Standard Oil Co. of N. Y., New York.
Sacramento Toilet Valves. Scott, Lyman & Stack Co., Sacramento, Cal.
Sacrey Oil Groover. Philadelphia Engineering & Machine Co., Philadelphia, Pa.
Saddle Gate Valves. The Kelly & Jones Co., Greensburg, Pa.
Safco Brushes. United Shoe Mch. Co., Paterson, N. J.
Safe Boilers. A. E. Olmstead & Sons, Orwell, N. Y.
Safe-Cabinet Filing Equipment. Safe-Cabinet Co., Marietta, O.
Safe Computing Cheese Cutters. Computing Cheese Cutter Co., Anderson, Ind.
Safedge Safety Razors. Safedge Co., Geneva, N. Y.
Safe Guard Auto Tire and Robe Locks. Sargeant & Greenleaf, Inc., Rochester, N. Y.
Safe Guard Automobile Tire Locks. Sargent & Greenleaf, Inc., Rochester, N. Y.
Safe-Guard Check Writers. Safe-Guard Check Writer Co., Inc., New York.
Safeguard Factory Fence. Cyclone Fence Co., Waukegan, Ill.
Safe Guard Fire Extinguishers. Knight & Thomas (Inc.), Boston.
Safe Guard Gauge Glass Reflector. Reordway Mfg. & Sales Co., or The Reordway Co., Chicago.
Safe Guard Paints. Cussins & Fearn Co., Columbus, O.
Safekote Roofing Felts and Paper and Asphalt Shingles and Roofing. Safepack Mills, Boston, Mass.
Safe Lion Ensilage Cutters. Geo. S. Comstock & Son, Mechanicsburg, Pa.
Safe Lock Electric Switch Locking Device. Pringle Electrical Mfg. Co., Philadelphia, Pa.
Safemco Paints. American Paint & Supply Co., Dallas, Tex.
Safepack Lining and Wrapping Papers. Safepack Mills, Boston, Mass.
Saferlite Auto Headlight Lenses. Saferlite Lens Co., New York.
Safe T Net Lifts. Robinson Tool Works, Inc., Waterbury, Conn.
Safe-T-Seal Mailing Envelopes. Bushnell Co., Alvah, Philadelphia, Pa.
Safe-T Wind Shield Cleaners. Stadeker Metal Specialty Co., Chicago.
Safetee Glass (Nonshatterable); Paper. Safetee Glass Company, Philadelphia, Pa.
Safetilath Fireproofing Sheets. Gen. Fireproofing Co., Youngstown, O.
Safety and Acetylene Mine Lamps. Hughes Bros., Scranton, Pa.
Safety Asphalt Roofing. National Roofing Co., Tonawanda, N. Y.
Safety Bolster Locking Center Pin. W. H. Miner, Inc., Chicago.
Safety Burners. Wheeling Stamping Co., Wheeling, W. Va.
Safety Car Lighting Fixtures and Electric Fans. Safety Car Heating & Lighting Co., New York.
Safety Car Pullers. Link-Belt Co., Chicago.
Safety Ceiling Electric Fans. Safety Car Htg. & Lighting Co., New Haven, Conn.
Safety Check, Coupon and Trading Stamp Paper. La Monte & Son, Geo., New York.
Safety Check Dumb Waiters. Wm. T. King, Brooklyn, N. Y.
Safety Check Paper. Geo. La Monte & Son, New York.
Safety Coupon Ticket Paper. John Underwood & Co., New York.
Safety Door Hangers. Safety Door Hanger Co., Ashland, O.
Safety Drill and Tap Holders. Beaman & Smith Co., Providence, R. I.
Safety Electric Car Brakes. Lord Mfg. Co., New York.
Safety Extensible Trench Braces. Waldo Brothers & Bond Co., Boston, Mass.
Safety Extension Ladders. Rich Pump Co., Cincinnati, O.
Safety Fire Extinguisher and Chemical Fire Engines. Safety Fire Extinguisher Co., New York.
Safety First Electric Lanterns. Federal Sign System (elect.), Chicago.
Safety First Fire Extinguishers. Harker Mfg. Co., Cincinnati, O.
Safety First Fire Extinguisher. Harker Mfg. Co., Cincinnati, O.; McLeer Elec. & Mfg. Co., Brooklyn, N. Y.
Safety First Hoods. Cleveland Blow Pipe & Mfg. Co., Cleveland, O.
Safety First Lamp Standards. The Electric Railway Co., Cincinnati, O.
Safety First Machine Guards. Orr Mach. Guarding Co., Trenton, N. J.
Safety First Metal Seals. L. F. Grammes & Sons, Inc., Allentown, Pa.
Safety First Rubber Gloves. M. W. Dunton Co., Providence, R. I. Chicago, Ill.
Safety-First Shipping Case Seals. L. F. Grammes & Sons, Allentown, Pa.
Safety First Shoes. Safety First Shoe Co., Boston, Mass.
Safety-First Wind Shield Cleaner. Jubilee Mfg. Co., Omaha, Neb.
Safety Foot Guards. Cleveland Ry. Supply Co., Cleveland, O.
Safety Fountain Pens. Caw's Pen & Ink Co., New York.
Safety Frost Harmless Chemical Preparations for Coloring Incandescent Lamps. Arts Electrical Co., Troy, N. Y.
Safety Garden Plows. Towers & Sullivan Mfg. Co., Rome, Ga.
Safety Glass Insulators. Brookfield Glass Co., New York.
Safety Grinding Machines. Safety Emery Wheel Co., Springfield, O.
Safety Hose Connections. Sherwood Mfg. Co., Buffalo, N. Y.
Safety Locomotive Grease Plug. Railway Devices Co., St. Louis, Mo.
Safety Metal Seal. L. F. Grammes & Sons, Inc., Allentown, Pa.
Safety Neck Yoke Centers. E. B. Adams & Son, Racine, Wis.
Safety Oiling System. Steel Mill Packing Co., Detroit, Mich.
Safety Overlap Mailing Expanding Wallets. Bushnell Co., Alvah, Philadelphia, Pa.
Safety Packing. Crandall Packing Co., Palmyra, N. Y.; Steel Mill Packing Co., Detroit, Mich.
Safety Parcel Racks. Safety First Mfg. Co., Chicago.
Safety Pencils. Eagle Pencil Company, New York.
Safety Plastic Metallic Packing. Steel Mill Packing Co., Detroit, Mich.
Safety Refuse Burners. W. J. Clark Co., Salem, O.
Safety Revolving Doors. American Revolving Door Co., Chicago.
Safety Row Locks. Thos. Laughlin Co., Portland, Me.
Safety Rubber Belting. United & Globe Rubber Co., Trenton, N. J.
Safety Shipping Case Seals. L. F. Grammes & Sons, Allentown, Pa.
Safety Staples. Frederick Pfeifer, New York.
Safety Stay Bolt. Falls Hollow Staybolt Co., Cuyahoga Falls, O.
Safety Steering Sleds. Safety Sled Co., Mt. Jewett, Pa.
Safety Strain Insulators. Electrose Mfg. Co., Brooklyn, N. Y.
Safety Tapping Chucks. Peters Bros. Mfg. Co., Algonquin, Ill.
Safety Tires. The Diamond Rubber Co., Inc., Akron, O.
Safety Tread Rubber Heels. Elastic Tip Co., Boston, Mass.
Safety Trench Braces. Waldo Bros. & Bond Co., Boston, Mass.
Safety Triumph Hypodermic Syringes. Randall-Faichney Co., Boston.
Safety Wires. Safety Insulated Wire & Cable Co., New York.
Safewheel Resilient Steel Spoke Disc Wheels. Resilient Safewheel Co., Inc., Oakland, Cal.
Safshift Belt Controller. The Artisian Mfg. Co., Cincinnati, O.
Safstep Ladder or Stair Treads. Irving Iron Works Co., Long Island City, N. Y.

Safti-First Water Gauge. Rollins Mfg. Co., Philadelphia, Pa.
Sagamore Belting. Gutta Percha & Rubber Mfg. Co., New York.
Sagamore Leather Belting. Narragansett Belting Co., Providence, R. I.
Sagamore Rubber Hose. National India Rubber Co., Bristol, R. I.
Sager Axes. Warren Axe & Tool Co., Warren, Pa.
Sager Shock Absorbers, Bumpers. J. H. Sager Co., Rochester, N. Y
Sager Weatherstrips. Sager Metal Weatherstrip Co., Chicago.
Saginaw Maple Flooring. S. L. Eastman Flooring Co., Saginaw, Mich.
Saginaw Steel-Built Silos. The McClure Co., Saginaw, Mich.
Sagless Gate Spring Pivot Hinges. Chicago Spring Hinge Co., Chgo.
Sahara Belting. Imperial Belting Co., Chicago.
Sainometl Fire Doors and Shutters. The F. L. Saino Mfg. Co., Memphis, Tenn.
St. Clair Fish Spears. Bonafide Mfg. Co., Plymouth, Mich.
St. Clair Gas Ranges. Belleville Stove & Range Co., Belleville, Ill.
St. Crispen Horse Rasps. Stokes Bros. Mfg. Co., Freehold, N. J.
St. Francis Milk Cans. Creamery Package Mfg. Co., Chicago.
St. Joe Fly Swatters. David Carswell, St. Joseph, Mo.
St. Joe Pig Lead. St. Joe Lead Co., New York.
St. Joe Riding Listers. St. Joseph Plow Co., St. Joseph, Mo.
St. Joe Stapling and Veneer Cutting Machinery. St. Joseph Iron Works, St. Joseph, Mich.
St. John Indicating and Recording Steam Meter. American District Steam Co., North Tonawanda, N. Y.
St. John Packing. Hartford Engine Works, Hartford, Conn.; H. B. Underwood Corp., Philadelphia.
St. Johns Milk Cans. Creamery Pkg. Mfg. Co., Chicago.
St. Lawrence Reclaimed Rubber. Neapara Rubber Co., Trenton, N. J.
St. Louis Cane Mills. Excelsior Foundry Co., Inc., Belleville, Ill
St. Louis Car Doors and Fittings. West. Rail. Equip. Co., St. Louis.
St. Louis Car Bells and Gongs, Side Bearings. St. Louis Car Co., St. Louis, Mo.
St. Louis Dry Goods Trucks. The Lansing Company, Lansing, Mich.
St. Louis Engines and Jacks. West St. Louis Machine & Tool Co., St. Louis, Mo.
St. Louis Gate Latches. Wrightsville Hdw. Co., Wrightsville, Pa.
St. Louis Hand Carts. Kilbourne & Jacobs Mfg. Co., Columbus, O.
St. Louis Shoe Lasts. John C. Kufrle Fdry. Co., St. Louis, Mo.
St. Louis Surfacer Specialties. St. Louis Surfacer & Paint Co., St. Louis, Mo.
St. Paul Traction Engines. St. Paul Machy. Mfg. Co., St. Paul, Minn.
St. Paul Ventilators. St. Paul Roofing, Cornice & Ornament Co., St. Paul, Minn.
Salamanda Packing. New York Belting & Pack. Co., New York.
Salamander Asbestos Covered Conductors. General Electric Co., Schenectady, N. Y.
Salamander Asbestos Insulated Magnet Wire. Independent Lamp & Wire Co., New York.
Salamander Asbestos Insulated Wires. York Insulated Wire Wks. of G. E. Co., York, Pa.
Salamander Asbestos Roofing. Johns-Manville, Incorporated, New York.
Salamander Grate Bars. Salamander Grate Bar Co., New York.
Salamander Insulated Wire. Independent Lamp & Wire Co., New York.
Salamander Keystone Hair Insulator. Johns-Manville, Incorporated, New York.
Salamander Packing. Chicago Engineer Supply Co., Chicago.
Salamander Steel Rolling Doors. J. G. Wilson Corp., New York.
Salamander Wires and Cables. Electrical Material Co., Chicago.
Salano Steam Engines. Howard & Morse, New York.
Salar Electric Hair Dryers, Curling Irons, Etc. Elec. Mfg. Co., San Francisco, Cal.
Salco Belting, Hose and Packing. W. H. Salisbury & Co., Inc., Chicago.
Salco Master Brand Dies, Type, Checks, Stamps, Knurls and Brands. Schoder & Lombard Die Co., New York.
Salem Belting. Mercer Rubber Co., Hamilton, N. J.
Salem Elevator and Conveyor Buckets. W. J. Clark Co., Salem, O.; Geo. W. Lorens Co., Chicago.
Salem Elevator Buckets. George W. Moore Co., Chicago; Mullins Body Corp., Salem, O.; The Webster Mfg. Co., Chicago.
Salem Miners' Coal Augers. Salem Tool Co., Salem, O.
Salem Pantry Trays. Sanitas Mfg. Co., Boston, Mass.
Salem Traps. Jos. H. Young Co., Boston.
Salina Brick. Kier Fire Brick Co., Pittsburgh, Pa.
Saling Metal Beams. Western Ry. & Equipment Co., St. Louis, Mo.
Salis Co., Rubber Belt. W. H. Salisbury & Co., Chicago.
Salisbury Automobile Axles. Salisbury Axle Co., Jamestown, N. Y.
Salisbury Axles, Wheels, Propellers. Salisbury Wheel & Mfg. Co., Jamestown, N. Y.
Salisbury Charcoal Pig Iron. Salisbury Iron Corporation, Lime Rock, Conn.
Salisbury Gas Engines and Transmission Gears. Buffalo Engine Co., Buffalo, N. Y.
Salisbury Rubber Belt, Hose, Packing and Fire Extinguishers. W. H Salisbury & Co., Inc., New York.
Salisbury Sheet Packing. W. H. Salisbury & Co., Chicago.
Salisbury Transmission Gears. Buffalo Engine Co., Buffalo, N. Y.
Salrite Magazine Pencils. Pencil Products Corp., New York.
Saltex Rubber Hose. W. H. Salisbury & Co., Inc., Chicago.
Salvage Fire Extinguishers. American-La France Fire Engine Co., Elmira, N. Y.
Salvarsan Laboratory Apparatus. Elmer & Amend, New York.
Salz Clutch Pencils and Powdered Inks. Salz Bros., New York.
Sambo Fly Swatter. Lubbers & Bell Mfg. Co., Clinton, Ia.
Samco Machines. Standard Automatic Machine Co., Rochester, N. Y.
Sammon Dry Batteries. Elec. Goods Mfg. Co., Canton, Mass.
Samoline Paint Cleaner. Samoline Corp., Inc., Chicago.
Sampson Athletic Goods. William H. Hoeges Co., Los Angeles, Cal.
Sampson Box Straps. W. F. Robertson Steel & Iron Co., Cincinnati, O.
Sampson Engines and Grates. English Iron Wks., Kansas City, Mo
Sampson Extension Ladders. Rich Pump Co., Cincinnati, O.
Sampson Harness Snaps and Smoke Stack Lining. Sargent & Co., New Haven, Conn.
Sampson Heater Brush. Worcester Brush & Scraper Co., Worcester, Mass.
Sampson Iron Stove Pipe. Crunden Martin Mfg. Co., St. Louis, Mo.
Sampson Leather Belting. Bickford & Francis Belting Co., Buffalo, N. Y.; McLeod Leather & Belting Co., Greensboro, N. C.
Sampson Lifting Jacks. J. F. Hodgkins Co., Gardiner, Me.
Sampson Plaster. American Cement Plaster Co., Buffalo, N. Y.
Sampson Sash Locks. Ellis Mfg. Co., Milldale, Conn.
Sampson Screen Door Hinges. Champion Hdw. Co., Geneva, O.
Sampson Shoveling and End Gate Boards. Nagley Mfg. Co., Lyons, N. Y.
Sampson Splices. Drew Electrical & Mfg. Co., Indianapolis, Ind.
Sampson Stretcher. Keystone Steel & Wire Co., Peoria, Ill.
Sampson Waste Baling Presses. Ripley Fdry. & Mach. Co., Ripley, O.
Sampson Wire Stretchers. Hunt, Helm, Ferris & Co., Harvard, Ill.
Samson Arc Lamp and Trolley Cord, Sash Cord, Braided Rope, Signal Cord, Clothes Lines. Samson Cordage Works, Boston, Mass.
Samson Automobile Horns, Telephones and Apparatus. Amer. Elec. Co., Chicago.
Samson Automobile Truck Trailers. Samson Trailer Wks., Grand Rapids, Mich.
Samson Back Band Buckles. Stanley Wks., New Britain, Conn.
Samson Back Book Sewing Machines. Samson Back Book Machine Co., Reading, Pa.
Samson Batteries. Electric Goods Mfg. Co., Canton, Mass.
Samson Belt Lacing. Norwich Belt Mfg. Co., Norwich, Conn.
Samsco Centrifugal Pumps and Artesian Well Cylinders. San Antonio Machine & Supply Co., Dept. A, San Antonio, Tex.
Samson Car Removers, Rail Benders. Richardson & Tallman, Shelbyville, Pa.
Samson Chains. The Chain Products Co., Cleveland, O.
Samson Chilled Steel and Sand Blast Steel. Pitts. Crushed Steel Co., Pittsburgh.
Samson Closet Seats. Van Arnam Mfg. Co., Ft. Wayne, Ind.
Samson Concrete Building Block Machy., Fire Hose Shut Off. D. G. Rowell, Appleton, Wis.
Samson Cord. Samson Cordage Works, Boston, Mass.
Samson Door Hangers. Richards-Wilcox Mfg. Co., Aurora, Ill.
Samson Elastic Roofing Paper. Keystone Roofing Mfg. Co., York, Pa.
Samson Eyelet Tools and Hand Punches. Machine Appliance Corp., Brooklyn, N. Y.
Samson Fire Alarms and Boxes Annunciators, Batteries, Push Buttons, Switches, Telephones, Etc. Samson Elec. Co., Canton, Mass.
Samson Fly Swatters. Lubbers & Bell Mfg. Co., Clinton, Ia.
Samson Gas Engines. Jones Bros. Mercantile Co., Kansas City, Mo.
Samson Grease Cups. Penberthy Injector Co., Detroit, Mich.
Samson Grindstones. Cleveland Stone Co., Cleveland, O.
Samson Hay Carriers. Appleton Hay Tool Co., Appleton, Wis.
Samson Head Chairs. Pettibone Mulliken Co., Chicago.
Samson Heaters. Smith & Pomeroy Wind Mill Co., Kalamazoo, Mich.
Samson Hose. M. L. Snyder & Son, Philadelphia.
Samson Hoof Parers. Leavitt Mfg. Co., Urbana, Ill.
Samson Horse Collars. Couch Bros. Mfg. Co., Atlanta, Ga.
Samson Hose, Metallic Packing. Revere Rubber Co., Chelsea, Mass.
Samson Hose Couplings. Cassady-Fairbanks Mfg. Co., Chicago.
Samson Insulating Compounds and Splicing Gum. Consumers Rubber Co., Cleveland.
Samson Insulating Tape. C. S. Knowles, Boston, Mass.. Consumers Rubber Co., Cleveland, O.
Samson Jacks. Oliver-Barth Jack Co., Milwaukee, Wis.
Samson Oil and Grease Cups. Peneberthy Injector Co.
Samson Leather Belting. Barnum Bros. Co., Troy, N. Y.
Samson Nail Puller and Key Hooks. L. F. Grammes & Sons, Allentown, Pa.
Samson Office and Domestic Science Tables. Mutschler Bros. Co., Nappanee, Ind.
Samson Packing, Rubber Horse Shoe Pads. Revere Rubber Co., Chelsea, Mass.
Samson Padlock Locks. U. S. Lock & Hdw. Co., Columbus, Pa.
Samson Paper Clip, Letter Clip. L. F. Grammes & Sons, Inc., Allentown, Pa.
Samson Porch Columns. Washington Mfg. Co., Tacoma, Wash.
Samson Rail Benders. Q. & C. Co., New York.
Samson Railway Car Movers. G. D. Rowell & Son, Appleton, Wis.
Samson Rock Crushers. Samson Mfg. Co., Denver, Colo.
Samson Saw Sets, Post Hole Diggers. Hy. Disston & Son, Phila.
Samson Screw Drivers. Union Hardware Co., Torrington, Conn.
Samson Screw Drivers, Screw Driver Bits. Sawyer Tool Mfg. Co., Ashburnham, Mass.
Samson Shot. Pittsburgh Crushed Steel Co., Pittsburgh, Pa.
Samson Sieve-Grip Tractor. Samson Sieve-Grip Tractor Co., Stockton, Cal.
Samson Spot Sash Cords. Samson Cordage Works, Boston, Mass.
Samson Spray Pumps. The Deming Co., Salem, O.
Samson Steel. Carpenter Steel Co., Reading, Pa.
Samson Stuffing Boxes. Thos. Laughlin Co., Portland, Me.
Samson Sweep Horse Powers. Sandwich Mfg. Co., Sandwich, Ill..
Samson Tack Claws and Pullers. Bradley & Farnham, Middlefield, Conn; Rocky Hill Hardware Co., Rocky Hill, Conn.
Samson Tackle Blocks and Steel Fishing Rods. Union Hardware Co., Torrington, Conn.
Samson Tank Sprayer. Deming Co., Salem, O.
Samson Telephone Systems. Samson Elec. Co., Canton, Mass.
Samson Tinners' Snips and Screw Rods. Peck, Stow & Wilcox Co., Southington, Conn.
Samson Tire Benders. Champion Blower & Forge Co., Lancaster, Pa.
Samson Tractors. Samson Tractor Co., Janesville, Wis.
Samson Transformer. Samson Electric Co., Canton, Mass.
Samson Toggles. U. S. Expansion Bolt Co., New York.
Samson Trolley Splicers, Ears and Pipe Insulators. Drew Electric & Mfg. Co., Indianapolis, Ind.
Samson Turbine Water Wheels. Jas. Leffel & Co., Springfield, O.
Samson "U. S." Rubber Thresher Belting. United States Rubber Co., New York.
Samson Wagon Jacks. L. J. Kelley Mfg. Co., Albany, N. Y.
Samson Water Turbines. James Leffel & Co., Springfield, O
Samson Windmills. Portable Elevator Mfg. Co., Bloomington, Ill.; Stover Mfg. Co., Freeport, Ill.
Samson Wire Stretchers. Keystone Steel & Wire Co., Peoria, Ill.
Samsonchina Bathroom Accessories. S. D. Baker Mfg. Co., New York.
Samurai Enamel. Denny, Hilburn & Rosenbach, Philadelphia, Pa.
San Antonio Cement. San Antonio Portland Cement Co., San Antonio, Tex.
San Francisco Salt. Stauffer Chem. Co., San Francisco.
Sanaloid Iron Oxide Paints. B. Binswanger & Co., Philadelphia, Pa.
Sanaloid Paints. B. Binswanger & Co., Philadelphia.
Sanasep Paper Cups. Sanitary Paper Cup Co., Boston.
Sanatone Flat Paint. Thomson Wood Finishing Co., Philadelphia, Pa.
Sanborn Book Backing Machines. Latham Machy. Co., Chicago.
Sanborn Steam Heaters. Sanborn Furnace Co., Methuen, Mass.
Sancho Lubricators. Swift Lubricator Co., Elmira, N. Y.
Sancho Oil Cups. Swift Lubricator Co., Elmira, N. Y.
Sanco Rubber Hose. Republic Rubber Co., Youngstown, O.
Sancota Wall Finish. F. O. Pierce Co., New York.
Sand Belt Splicing Die. C. Mattison Machine Works, Beloit, Wis.
Sandage Steel Wagon Skeins. Amer. Skein & Fdry. Co., Racine, Wis.; Illinois Iron & Bolt Co., Carpentersville, Ill.
San Deal-O Floor Drain. Crampton-Farley Brass Co., Kansas City, Mo.
Sanders Car Stopper. Southern Railway Supply Co., St. Louis, Mo.
Sanders Electric Lamp Posts. Casey-Hedges Co., Chattanooga, Tenn.
Sanders Floor Thimbles. Amer. Fdry. & Mfg. Co., St. Louis, Mo.

Sanderson Lubricating Oils and Greases. Warren Lubricating Co., Buffalo, N. Y.
Sandhog Electric Riddle. Vibrating Mchy. Co., Inc., Chicago.
Sandman Mattresses. Mutual Bedding Mfg. Co., San Francisco.
Sandoff Filler and Surfacer. R. F. Johnston Paint Co., Cincinnati, O.
Sandoval Plow Coulters. Galesburg Coulter Disc Co., Galesburg, Ill.
Sandoval Rolling Coulters. Galesburg Coulter-Disc Co., Galesburg, Ill.
Sandow Belt. Cincinnati Rubber Mfg. Co., Cincinnati, O.
Sandow Belting Mfrs., Rubber Hose, Rubber Packing. Cincinnati Rubber Mfg. Co., Cincinnati, O.
Sandow Hose and Packing. Cincinnati Rubber Mfg. Co., Cincinnati, O.
Sandow Oil Engines. Wadsworth Mfg. Co., Detroit, Mich.
Sandow Oils and Greases. Crew Levick Co., Philadelphia, Pa.
Sandow Pedestal Fountains. The Murdock Mfg. & Supply Co., Cincinnati, O.
Sands Lavatories. A. B. Sands & Co., New York.
Sands Sanitary Toilet Fixtures. A. B. Sands & Son Co., New York.
Sands Water Coil Gas Heater. Sands Mfg. Co., Cleveland.
Sandusky Clothes Washing Machines. One-Minute Washer Co., Sandusky, O.
Sandusky Stocks and Dies. Modern Bond Company, Wilmington, Del.
Sandusky Tractors. The Dauch Mfg. Co., Sandusky, O.
Sandusky Triplex Pumps. Hayton Pump & Blower Co., Appleton, Wis.
Sandvik Steel. Steel Sales Corp., Chicago.
Sandviken Swedish Steel. J. Wilckes Co., New York.
Sandwich Diaphragm Pumping Outfits. D. A. Hinman & Co., Sandwich, Ill.
Sandwich Hand Carts, Portable Grain Elevators. Sandwich Mfg. Co., Sandwich, Ill.
Sandwich Island Hoes. American Fark & Hoe Co., Cleveland.
Sandwich Perkins Windmills. Enterprise Windmill Co., Sandwich, Ill.
Sandy Andy Toys. Wolverine Supply & Mfg. Co., Pittsburgh.
Saneto Vitroware Closet. Crane Company, Chicago.
Sanford Logging Tools. American Logging Tool Co., Evart, Mich.
Sanford Machinists' Vises, Milling Machines and Surface Guards. F. C. Sanford Mfg. Co., Bridgeport, Conn.
Sanford Motor Trucks. Sanford Motor Truck Co., Syracuse, N. Y.
Sanford Paste. Sanford Mfg. Co., Chicago.
Sanford Precision Grinders. F. C. Sanford Mfg. Co., Bridgeport, Conn.
Sanford Surface Grinders and Vises. F. C. Sanford Mfg. Co., Bridgeport, Conn.
Sangamo Cultivators. Racine-Sattley Co., Springfield, Ill.
Sangamo Meters. Sangamo Electric Co., Springfield, Ill.
Sanguen Closets. Crane Co., Chicago.
Sanicote Cold Water Wall Finish. The Reardon Co., St. Louis, Mo.
Sanicote Paint. The Acorn Refining Co., Cleveland, O.
Sanidome Bibs and Cocks. Haydenville Co., Haydenville, Mass.
Sani-Flat Oil Paint. Benj. Moore & Co., Brooklyn, N. Y.
Sani-Flush. Hygienic Products Co., Canton, O.
Saniglas Eye Protectors. Julius King Optical Co., New York.
Sani-Klosit Toilets. Sanitary Products Corporation, Baltimore, Md.
Sani-Metal Products. Chicago Hardware Fdry Co., North Chicago, Ill.
Sani-Onyx Glass Products. Marietta Mfg. Co., Indianapolis, Ind.
Sani-Paper Towels. Wayne Paper Goods Co., Ft. Wayne, Ind.
Sanipol Polish. Schuyler C. Borom, Minneapolis, Minn.
Sanisack Paper Bags. Arkell & Smith, Canajoharie, N. Y.
Saniscal Concrete Hardeners. Master Builders Co., Cleveland.
Saniseal Cement Floor Hardener. The Master Builders Co., Cleveland, Ohio.
Sanisep Septic Tanks and Closets. Cement Products Co., Wilmington, N. C.
Sanital Belting. Imperial Belting Co., Chicago.
Sanistone Sanitary Flooring, Drainboards. H. C. Schlosser, San Jose, Cal.
Sanisweep Sweeping Compounds. Northwest Chemical & School Supply Co., Spokane, Wash.
Sanitant Disinfectants. Fort Pitt Chemical Co., Pittsburgh.
Sanitare Kitchen Enameled Ware. Belmont Stamping & Enameling Co., New Philadelphia, O.
Sanitary Absorbent Cotton. Maplewood Mills, Fall River, Mass.
Sanitary Barbers' Hair Clippers. Coates Clipper Mfg. Co., Worcester, Mass.
Sanitary Cleaner. Globe Chemical Co., Boston, Mass.
Sanitary Coil Pipe Water Coolers. Grand Rapids Water Cooler Co., Grand Rapids, Mich.
Sanitary Door Mats. Sanitary Wire Door Mat Co., Chicago.
Sanitary Flexible Rubber Fly Swatter. Drake Mfg. Co., A. W., Hazleton, Pa.
Sanitary Ice Cream and Milk Cans. Davis-Watkins Dairymen's Mfg. Co., Jersey City, N. J.
Sanitary O. K. Erasers. O. K. Mfg. Co., Oswego, N. Y.
Sanitary Packers' Cans for Fruits, Vegetables, Etc. Am. Can Co., New York.
Sanitary Sand Blast Helmet. J. A. Spangler, Benton Harbor, Mich.
Sanitary Steel Bunks. Sanitary Bunk Co., Cincinnati, O.
Sanitas Closet Spuds. Trenton Brass & Machine Co., Trenton, N. J.
Sanitas Drinking Fountains, Bidets, Hydrants, Traps, Valves. Sanitas Mfg. Co., Boston.
Sanitas Sanitary Flooring. Marbleoid Co., New York.
Sanitas Wall Covering. The Standard Textile Products Co., New York.
Sanitax Closet Seat Hinge. Chicago Spring Hinge Co., Chicago.
Sanitax Toilet Brushes. Sanitax Brush Co., Chicago.
Sani Tissue. Scott Paper Co., Chester, Pa.
Sanito Tile. Sanitary Concrete Tile Flooring Co., Cleveland, O.
Sanito Vacuum Hose. Quaker City Rubber Co., Philadelphia.
Sanitor Kitchen Tables. Bohn Refrigerator Co., St. Paul, Minn.
Sanitor Urinal Stalls. Crane Company, Chicago.
Sani Tread Safety Treads (For Concrete Stairs). Concrete Steel Co., New York.
Sani-Vent Toilet Ventilators. Sanitary Appliance Co., Neenah, Wis.
Saniwax Wrapping Paper. Saniwax Paper Co., Kalamazoo, Mich.
Sani-White Drain Boards, Sinks, Closet Seats, Etc. Sani-White Products Co., Santa Clara, Calif.
San-O-La Bath Room Fixtures and Furnishings. Art Brass Co., New York.
San-O-La Soluble Pine Disinfectant. Rochester Germicide Co., Rochester, N. Y.
Sanoid Bathroon Cabinets, Mirrors and Fixtures. Conant Bros. Co., Somerville, Mass.
Sanos Sewer Gas Traps. Jenkins Mfg. Co., Bloomfield, N. J.
San-O-Spray Disinfectants. Sanifect Co., New York.
Sanotuf Mattress. Roberti Bros., Los Angeles, Calif.
Sanseal o Floor Drains. Crampton Farley Brass Co., Kansas City, Mo.
San-Stai-Rie Wood Piller. Frank A. Crandall, Chicago.
San Steel Galvanized Steel and Waste Paper Baskets. Mead & Wheeler Co., Chicago.
Santa Clara Defecators. Blymyer Iron Wrks Co., Cincinnati, O.
Santa Cruz Cement. Santa Cruz Portland Cement Co., San Francisco, Calif.
Santa Lucia Illuminating Materials. G. Borgfeldt & Co., New York.
Santo Vacuum Cleaners. Santo Vacuum Cleaner Co., Philadelphia.
Santo Vitroware Urinal. Crane Company, Chicago.
Sanwall Closets. Crane Co., Chicago.
Sanymetal Partitions and Doors. The Sanymetal Products Co., Cleveland, O.
Sap Tee Fireproof Steel Wardrobes and Chests. Erie Metal Furniture Co., Erie, Pa.
Sapihl Portable Electrical Grinder. Sapihl Elec. Tool Co., Galesburg, Ill.
Sapolin Bronzes and Enamels. Gerstendorfer Bros., New York.
Sapolin Enamels, Paints, Varnishes, Furniture Polish and Wood Stains. Gerstendorfer Bros., New York.
Sapollo. Enoch Morgan's Sons Co., New York.
Sapphire Automobile Polish. Superior Mfg. Co., Knoxville, Tenn.
Sapphire Wire Drawing Dies. John Wennstrom's Sons Co., Suffern, N. Y.
Sarah Pig Iron. Kelly Nail & Iron Co., Ironton, O.
Saranac Corrugated Joint Fastener Driving Machines. Saranac Machine Co., Benton Harbor, Mich.
Saranac Rubber Hose. National India Rubber Co., Bristol, R. I.
Sarco Asphalt, Waterproofing and Insulating Material. Standard Asphalt & Refining Co., Chicago.
Sarco Steam Traps, Radiator Traps, Temperature Regulators, Indicating and Recording Thermometers. Sarco Company, Inc., New York.
Sareco Petroleum Products. Sapulpa Refining Co., Sapulpa, Okla.
Sargent Car Replacers. Sargent Co., Chicago.
Sargent Door Checks, Hollow Handle Tool Sets, Saw Vises. Sargent & Co., New Haven, Conn.
Sargent Draft Gauges, Testers, Colorimeters. Sargent Steam Meter Co., Chicago.
Sargent Garden Hose. Quaker City Rubber Co., Philadelphia, Pa.
Sargent Gas Engines. Wisconsin Engine Co., Corliss, Wis.
Sargent Safety Water Gauges and Water Glass Gaskets. Sargent Company, Chicago.
Sargent Safety Water Gauges. Sargent & Co., Chicago.
Sargent Steam Engines. Providence Eng. Corp., Providence, R. I.
Sargent Tile Ditcher. Sargent Tile Ditcher Co., Ft. Dodge, Ia.
Sargent Time Locks. Sargent & Greenleaf, Inc., Rochester, N. Y.
Sargent Wool Washing Machine. C. G. Sargents Sons Corp., Graniteville, Mass.
Sarjent Garden Hose. Quaker City Rubber Co., Philadelphia, Pa.
Sasgen Champion Builders' Derrick. Sasgen Derrick Co., Chicago.
Satan Magnetos. Sumter Elec. Wks., Sumter, S. C.
Satin Blinds Brackets. Huttig Sash Door Co., St. Louis, Mo.
Satin Brand Millwork. Huttig Sash & Door Co., St. Louis, Mo.
Satin Finish Flat Wall Paint. Enterprise Paint Mfg. Co., Chicago.
Satin Spar Wall Finish. American Cement Plaster Co., Lawrence, Kans.
Satin Toilet Paper Holders. Shelby Spring Hinge Co., Shelby, O.
Satinette Enamels. Standard Varnish Co., New York.
Satinette Varnish. Standard Varnish Works, New York.
Satinola Tan Shoe Polishes. S. M. Bixby & Co., Brooklyn, N. Y.
Saturn Belting. Gutta Percha & Rubber Mfg. Co., New York.
Saturn Cylinder Oil. Star Oil Co., Chicago.
Sattley Cultivators, Corn Planters, Plows, Equalizers, Fertilizer Attachments. Racine-Sattley Co., Springfield, Ill.
Saturn Grease Cups. Penberthy Injector Co., Detroit, Mich.
Saturn Padlock Locks. U. S. Lock & Hdwe. Co., Columbia, Pa.
Saunders Car Stopper. Saunders Car Stopper & Equipment Co., St. Louis, Mo.
Saunders' Pattern Pipe Cutters. Collmer Bros., South Bend, Ind.; Oswego Tool Co., Oswego, N. Y.
Saunders Pipe Machinery. D. Saunders' Sons, Yonkers, N. Y.
Saunders Sealograph. Sealograph Co., Kansas City, Mo.
Saurer Motor Fire Engines and Trucks. International Motor Co., New York.
Sauerman Slackline Cableway Excavator. Sauerman Bros., Chicago.
Sauter Time Switches; Remote Control Switches; Thermostats. R. W. Cramer & Co., Inc., New York.
Sauveur Microscopes. Sauveur & Boylston, Cambridge, Mass.
Savabrush Paint Brush Cleaners. Schalk Chemical Co., Los Angeles.
Savage Ford Timer. Savage Products Co., Los Angeles, Calif.
Savage Expansion Shields. Savage Expansion Bolt Corp, New York.
Savage Firearm Pistols. Savage Arms Co., New York.
Savage Padlocks. E. T. Fraim Lock Co., Lancaster, Pa.
Savage Rubber Tires and Tubes. Spreckles "Savage" Tire Co., San Diego, Calif.
Savagran Car Cleaning Compounds and Soap Powder. India Alkali Works, Boston.
Save-A-Coat Wood Fillers. Richmond Bros, Cincinnati, O.
Save-O Rubber Preservative. The Save-O Co., Inc., Hartford, Conn.
Savetyship Burlap Mail-Express Bags. Milwaukee Bag Co., Milwaukee, Wis.
Savidge Light Transformers. The Savidge Co., Indianapolis, Ind.
Savir Preheating Device. Pre-Heater Air Co., Philadelphia, Pa.
Savo Air Moisteners and Flower Boxes. Savo Mfg. Co., Chicago.
Savogran Cleaning Powder. India Alkali Works, Boston, Mass.
Sav-On-It Leather Faced-Cotton Back Belting. Peerless Belting Co., Gardenville, N. Y.
Savory Bread Boxes, Bread Savers, Cutlery, Roasters, Steam Double Boilers, Etc. Republic Metalware Co., Buffalo, N. Y.
Savory Kitchen Specialties. Republic Metalware Co., Buffalo, N. Y.
Savoy Lavatories. Crane Co., Chicago.
Sawilco Belt Fasteners. Angell Belt Hook Co., Providence, R. I.
Sawmill Special Belt. The Diamond Rubber Co., Inc., Akron, O.
Sawoil Lubricant. Steel Mill Packing Co., Detroit, Mich.
Sawyer-Fulford Bag Filling Machines, Revolving Scales. W. H. Sawyer & Sons, Americus, Ga.
Sawyer Leather Measuring Machines. Turner Tanning Machinery Co., Peabody, Mass.; G. W. Baker Machine Co., Wilmington, Del.
Sawyer Magnetic Separators. J. W. Paxson Co., Philadelphia, Pa.
Sawyer "U. S." Canvas Stitched Belting. United States Rubber Co., New York.
Sawyer Valves and Sacking Machines. W. H. Sawyer & Sons, Americus, Ga.
Sawyer's Metal Polish. Howard B. Sawyer Oil Co., Boston.
Saxby & Farmer Signal System. Union Switch & Signal Co., Swissvale, Pa.
Saxmayer Parcel Tyer. National Bundle Tyer Co., Blissfield, Mich.

Saxolin Paper Cement Bags. Cleveland Akron Bag Co., Cleveland.
Saxon Automobile Horns. Russell Elec. Co., Danbury, Conn.
Saxon Garden Hose. Goodall Rubber Co., Philadelphia, Pa.
Saxon Grinders. Saxon Machine Co., Holyoke, Mass.
Saxon Leather Belting. Byrnes Belting Co., St. Louis, Mo.; Johnson Belting Co., New York.
Saxon Post Binders. National Blank Book Co., Holyoke, Mass.
Saxon Rubber Hose. Voorhees Rubber Mfg. Co., Jersey City, N. J.
Saxon Wrenches. Kilburn & Bishop Co., New Haven, Conn.
Saybolt Viscosimeters. Chas. J. Tagliabue Mfg. Co., Brooklyn, N. Y.
Saybrook Spray Pumps. W. & B. Douglas, Middletown, Conn.
Sayer Butchers' Show Cases. Wolf, Sayer & Heller, Chicago.
Saylor's Portland Cements. Coplay Cement Mfg. Co., Philadelphia, Pa
Scaife Filters, Steel Tanks, Range Boilers, Steel Barrels, Trestles, Towers, Stacks, Water Softening and Purifying Apparatus. Wm. B. Scaife & Sons Co., Pittsburgh.
Scaife's Steel Tanks for Air, Gas and Liquids; Steel Barrels; Steel Cylinders; Water Filters; Water Softening and Purifying Systems. Wm. B. Scaife & Sons Co., Pittsburgh, Pa.
Scalecide Insecticides. B. G. Pratt Co., New York.
Scalecide Spraying Compounds. B. G. Pratt Co., New York.
Scaline Boiler Compounds. International Boiler Cleaning Co., Baltimore, Md.
Scandinavia Belting and Brake Lining. Scandinavian Belting Co., Newark, N. J.
Scandinavia Solid Woven Cotton Belting; Brake Lining. Scandinavia Belting Co., New York.
Scandinavian Padlocks. The Miller Lock Co., Philadelphia, Pa.; Union Hardware Co., Torrington, Conn.
Scandinavian Wax Oil for Shoes and Leather. Fisher, Thorsen & Co., Portland, Ore.
Scar Not Varnish. Sherwin Williams Varnish, Cleveland.
Scattergood Inkwells, Envelope Moisteners and Glue Pots. H. W. Scattergood Co., Philadelphia.
Sceptre Mill Hose. Fabric Fire Hose Co., New York.
Schade Regulating Valves. Schade Valve Mfg. Co., Philadelphia.
Schaefer Detachable Brake Rod Jaws, Truck Lever Connections, Brake Levers. Schaefer Equipment Company, Pittsburgh, Pa.
Schaefer Lumber Rolloff Bodies, Power Log Loader. **The Gustav** Schaefer Wagon Co., Cleveland, O.
Schaffer Car Wheel Presses. McCall Machine Wks., Rochester, N. Y.
Schaffer Continuous Lime Hydrator. Schaffer Piodmeter Co., Pittsburgh, Pa.
Schaffer Lake Superior Pig Iron. Stephenson Charcoal Iron Co., Wells Delta, Mich.
Schaper Drop Forged Guy Clamps. Hubbard & Co., Pittsburgh, Pa.
Schaper Guy Clamps. Hubbard & Co., Pittsburgh, Pa.; General Electric Co., Schenectady, N. Y.
Schapirograph Multicopier. The Schapirograph Co., New York.
Scharf System, Smoke Preventor and Fuel Economizer. Scharf Smoke Preventor Co., Ypsilanti, Mich.
Schatz Ball Bearings. The Schatz Mfg. Co., East Poughkeepsie, N. Y
Schatz Universal Ball Bearings. The Federal Bearing Co., Inc., Pough keepsie, N. Y.
Schebler Carburetor. Wheeler-Schebler Carburetor Co., Indianapolis, Ind.
Scheidler Engines. Scheidler Machine Works Co., Newark, O.
Schenk Fire Hose, Reels and Racks. Revere Rubber Co., Boston, Mass.
Scherzer Bridges. Scherzer Rolling Lift Bridge Co., Chicago.
Schicks Baling Presses. Davenport Mfg. Co., Bettendorf, Ia.
Schick's Fire-Proof Paper Baler. Davenport Mfg. Co., Davenport, Ia.
Schild Sliding Gas and Air Valves. S. R. Smythe Co., Pittsburgh, Pa.
Schildback Automobile Wind Shields. Limousine-Carriage Mfg. Co., Chicago.
Schilling Adjustable Racks. A. F. Flanders Mfg. Co., Buffalo, N. Y.
Schimmel Desks. Schimmell & Co., Faribault, Minn.
Schindler Bolting Cloth. Cornelius Mill Furnishing Co., St. Louis; Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Schippach Crucible Clays. Kern Commercial Co., New York.
Schlac-Las Glue. Union Casein Co., Philadelphia, Pa.
Schlacks Force Feed Locomotive Lubricators. Locomotive Lubricator Co., Chicago.
Schlacks System of Locomotive Force Feed Lubrication. Locomotive Lubricator Co., Chicago.
Schlaich Auto Locks. J. C. McAdams Sales Co., New York.
Schlueter Floor Surfacing Machines. M. L. Schlueter, Chicago.
Schmutz Bag Printing Presses. Schmutz Mfg. Co., Inc., Louisville, Ky.
Schneider Heaters. Schneider Heating Device Co., Cleveland.
Schoedinger B. S. V. Ventilators. F. O. Schoedinger, Columbus, O.
Schoedinger's Metal Ceilings. F. O. Schoedinger, Columbus, O.
Schoenmehl Batteries. The Waterbury Battery Co., New York.
Schofield-Burkett Excavator. Schofield-Burkett Construction Co. Macon, Ga.
Schofield Cloth Cutting Machines. Birmingham Iron Foundry, Derby, Conn.
Schofield Diggers and Grinders. Schofield & Co., Freeport, Ill.
Schofield Farm Tractors. Auto-Motive Tractor Corp., Frederick, Md.
Scholastic Pencils. Eagle Pencil Company, New York.
Scholl Blind Hinges. Grey Iron Casting Co., Mt. Joy, Pa.
School Pin Radiators. H. B. Smith Co., Westfield, Mass.
Schoop Metal Coating Process. Metals Coating Co. of America, Philadelphia, Pa.
Schrader Quick-Acting Dust Caps; Tire Pumps Connections; Universal Tire Pressure Gauges and Valves. A. Schrader's Son, Inc., Brooklyn, N. Y.
Schraeder Pneumatic Tire Valves. A. Schraeder's Son, Brooklyn, N. Y.
Schraeder Universal Tire Pressure Gauges. A. Schraeder's Sons, Inc., Brooklyn, N. Y.
Schroeder Carburetors. H. D. Schroeder, Los Angeles, Calif.
Schroeder Direct-Flush Valves. Standard Metals Mfg. Co., Los Angeles, Calif.
Schroeder Key Hole Guards. J. B. Schroeder & Co., Cincinnati, O.
Schraeder's Shallow Pit Loader and Coaling Station. Railroad Water & Coal Handling Co., Chicago.
Schroeder Dumps and Elevators. Schroeder H. V. Mfg. Co., Minier, Ill.
Schroeder Headlights. Schroeder Headlight & Generator Co., Evansville, Ind.
Schroeder Portable Grain Elevators. H. V. Schroeder Mfg. Co., Minier, Ill.
Schroeder Eave Trough Hangers. F. D. Kees Mfg. Co., Beatrice, Neb
Schroeder's Peerless Window Screen Hangers and Fasteners. Stanley Works, New Britain, Conn.
Schroeter's Horse Radish Graters. Schroeter Bros. Hardware Co., St. Louis.
Schu-Co Drainage Fittings. Hercules Foundries, Inc., Los Angeles, Cal.
Schuchardt & Schutte Gear Hobbing Machines. Natisch Gear Works, Inc., Brooklyn, N. Y.
Schuerenberg Farm Wagons. F. W. Schuerenberg, Brenham, Tex.
Schuetzen Smokeless Rifle Powder. E. I. du Pont de Nemours & Co., Explosives & Smokeless Powder Depts., Wilmington, Del.
Schug Gas Igniters. Schug Elec. Mfg. Co., Detroit, Mich.
Schug Spark Coils. Schug Electric Mfg. Co., Detroit, Mich.
Schule's Universal Boiler Compounds. T. H. Schule Co., New York.
Schultz New Friction Clutches. A. L. Schultz & Son, Chicago.
Schulz Pianos. M. Schulz Co., Chicago.
Schuls Spinning Lathes. Wilcox Mfg. Co., Chicago.
Schultze Smokeless Shotgun Powder. E. I. du Pont de Nemours & Co., Inc., Explosives and Smokeless Powder Depts., Wilmington, Del.
Schumacher's Rubbing Grains. R. J. Waddell & So., New York.
Schutte Engine Stops, Suction Strainers, Valves. Schutte & Koerting Co., Philadelphia.
Schuttler Wagons. Peter Schuttler Co., Chicago.
Schwartz Auto and Motor Truck Wheels. The Schwartz Wheel Co., Frankford, Philadelphia, Pa.
Schwartz Brass and Copper Melting Furnaces. Hawley Down Draft Furnace Co., Chicago.
Schwartz Melting Furnaces. A. D. Granger Co., New York.
Schwarze Electric Bells, Electric Automobile Horns and Appliances. Schwarze Electric Company, Adrian, Mich.
Schwob's Grain Cradle. The J. A. Schwob Co., Moundsville, W. Va.
Scientific Feed Water Purifiers. Wm. B. Scaife & Sons Co., Pittsburgh.
Scientific Garage Heaters. A. D. Granger Co., New York.
Scientific Gas and Gasoline Engines. Baroth Bros., Springfield, Ohio.
Scientific Gas and Kerosene Auto Garage Heaters. Scientific Heater Co., Cleveland.
Scientific Grinding Mills. Bauer Bros. Co., Springfield, O.
Scientific Hydraulic Tire Setters. Lourie Mfg. Co., Springfield, Ill.
Scientific Lead Pencils. American Lead Pencil Co., New York.
Scientific Oil Cake Mills. Bauer Bros. Co., Springfield, Ohio.
Scientific Spray Nozzles. Niagara Sprayer Co., Middleport, N. Y.
Scimatco Optical Pyrometers. Scientific Materials Co., Pittsburgh.
Scimitar Emery. Abrasive Mining & Mfg. Co., Plymouth, Ind.
Scintilla Compound for Case Hardening and Tempering. Paul Martin & Co., 101 Aldersgate St., London E. C., England.
Scintilla Ignition Systems. Scintilla Magneto Co., New York.
Scioto Flax Packing. Cincinnati Rubber Mfg. Co., Cincinnati.
Scleroscope Metal Hardness Tester. Shore Instrument & Mfg. Co., New York.
Scleroscopes. Herman A. Holz, New York.
Scoco Oils, Oxygen Paints, Shingle Stains, Stearine, Pitch. Southern Cotton Oil Co., New York.
Scoe Carburetor. Briscoe Devices Corp., Pontiac, Mich.
Scoop Bonnet Window Reflectors. Curtis-Ledger Fixture Co., Chicago.
Scoot Cleaning Compounds. J. H. Parsons Chemical Co., Chicago.
Scoop Mirror Shades and Reflectors. National X-Ray Reflector Co., Chicago.
Scorcher Furnaces. Thatcher Furnace Co., New York.
Scot Water Relief Valves. Stephens, Roe Mfg. Co., Detroit.
Scotch Clipper Breaking Plows. Moline Plow Co., Moline, Ill.
Scotch Farriers' Hammers. Champion Tool Co., Meadville, Pa.
Scotch Gauge Glasses. H. A. Rogers Co., New York.
Scotch Harrows and Pulverizers. W. S. Hazen, Ripon, Wis.
Scotch Lacquer Varnish Stain; Oil Wood Stain; Floor Enamel. R. F. Johnston Paint Co., Cincinnati, O.
Scotch Pig Iron. Co. C. Tennant Sons & Co., New York.
Scotch-White Enamels. W. W. Lawrence & Co., Pittsburgh.
Scott Columns, Concentrators, Condensers, Evaporators, Stills, Steam Jacketed Mills, Dryers, Etc. Ernest Scott & Co., Fall River, Mass.
Scott Cutter Testing Clamps and Tree Insulators. Scott C. Cutter, Oswego, Ill.
Scott Mining Picks. American Mining Tool Co., Ottumwa, Iowa.
Scott Patent Water Tube Boilers. Puget Sound Boiler Works, Seattle, Wash.
Scott Rock Drills. Scott Drill Co., St. Louis.
Scott Valves. Stephens-Roe Mfg. Co., Detroit.
Scott Well Drive Points. National Tube Co., Pittsburgh, Pa.
Scott's Crucible Vanadium. Bourne Fuller Co., Cleveland.
Scott's Gate, Globe, Radiator and Safety Valves. Scott Valve Mfg. Co., Detroit, Mich.
Scott's I. X. L. High Speed Steel. Bourne-Fuller Co., Cleveland, O.
Scotts Pea Separators. Sprague Canning Machinery Co., Chicago.
Scotts Roofing Tin. Follansbee Brothers Co., Follansbee, W. Va.
Scotts Rubber Roofing. Scott Roofing & Mfg. Co., Cincinnati, O.
Scottco Diamond Pattern Asphalt Roofing. Scott Roofing & Mfg. Co., Cincinnati.
Scottdale Grates. Marion Machine, Foundry & Supply Co., Marion, Ind.
Scottissue Towels and Toilet Paper. Scott Paper Co., Chester, Pa.
Scouree Metal Polish. A. W. Harris Oil Co., Providence, R. I.; Grady Mfg. Co., Astoria, N. Y.
Scout Lead Pencils. American Lead Pencil Co., New York.
Scout Runner Hand Cars. Wilson & Carmona, Winona, Minn.
Scout Test Sets. Leich Electric Co., Genoa, Ill.
Scovilles Pattern Molasses Gates. E. C. Stearns & Co., Syracuse, N. Y.
Scranto Acetylene Mine Lamps and Gauge Cocks. American Safety Lamp & Mine Supply Co., Scranton, Pa.
Scranton Drill. Scranton Electric Construction Co., Scranton, Pa.
Scranton Gauge Cocks. American Safety Lamp & Mine Supply Co., Scranton, Pa.
Scranton Grate Bars. Scranton Pump Co., Scranton, Pa.
Scranton Power Hammers. Scranton & Co., New Haven, Conn.
Scranton Renewable Leaf Shaking and Dumping Grate. Scranton Pump Co., Scranton, Pa.
Screw Chain Hoists. The Harrington Company, Philadelphia, Pa.
Screwset Screwdrivers. American Screwset Co., St. Louis, Mo.
Screw Shooter. A. H. Peterson Mfg. Co., Milwaukee, Wis.
Scripps-Booth Automobiles. Scripps-Booth Corp., Detroit, Mich.
Scrullx Guy Anchors. W. N. Matthews & Bro., Inc., St. Louis, Mo.
Scuff Plates for Automobiles. Capital Brass Fdry., Salt Lake City, Utah.
Scully Boiler Braces. Scully Steel & Iron Co., Chicago.
Scully Flanging Clamps. Scully Iron & Steel Co., Chicago.
Scully Spring Protectors. Houbaille Co., New York.
Seabag Padlocks. Fraim-Slaymaker Hdwe. Co., Inc., Lancaster, Pa.
Sea Bell Carbon Paper. Minford Ribbon & Carbon Co., New York.
Seaboldt Standard Measuring Wires. B. Seaboldt Corp., New York.
Seabury Marine Boilers. Consolidated Shipbuilding Corp., New York.
Seaford Suction Hose. Electric Hose & Rubber Co., Wilmington, Del.
Seal Brand Hydrated Lime. Ste. Genevieve Lime Co., St. Louis, Mo.
Seal-Co Roofing. Sifo-Products Co., St. Paul, Minn.

Seale Lay Wire Rope. John A. Roebling's Sons Co., Trenton, N. J.
Sealect Condensed Milk. Sheffield Condensed Milk Co., New York.
Sea Lion Fan Belting and Belt Cement. Chicago Belting Co., Chgo.
Seal-Joint Safes. National Safe Co., Cleveland, O.
Seal Leather Belt and Cement. W. H. Salisbury & Co., Inc., Chicago.
Seal Manila Wrapping Paper. Newton Paper Co., Holyoke, Mass.
Seal Pencils. United States Pencil Company. Philadelphia, Pa.
Seal Rock Packing, Rubber Hose. Pioneer Rubber Mills, San Francisco, Cal.
Sealine Oils and Greases. H. B. Kingsley, Cleveland, O.
Sealkote Waterproofing. National Fibreform Co., San Francisco.
Sealright Paper Boxes. Sealright Co., Inc., Fulton, N. Y.
Seal-Rite Package Sealing Machinery. Package Sealing Corp., Brooklyn, N. Y.
Sealskin Leather Belting. The Burr Oak Belting Co., Cincinnati, O.
Seal-Skin Waterproof Papers. The Lehon Co., Chicago.
Seal-Tite Cement. The Diamond Rubber Co., Inc., Akron, O.
Sealtite Pails and Tubs. Crunden Martin Mfg. Co., St. Louis, Mo.
Seal-Tite Piston Rings. Seal-Tite Piston Ring, Inc., Minneapolis.
Seal-Tite Plastic Roofing Cements. Monarch Paint Co., Cleveland, O.
Sealtite Roofing Cement. Berger Bros. Co., Philadelphia, Pa.
Seal Tite Steam Packing. Channel Packing & Rubber Co., N. York.
Sealy Mattresses. Sealy Mattress Co., Sugarland, Tex.
Seamless Speaking Tubes. Elwood Ivins Tube Works, Philadelphia.
Seamless Telephone Mouthpieces. General Insulate Co., Brooklyn.
Searight Shears and Tinners' Snips and Pruning Tools. Bartlett Mfg. Co., Detroit.
Searchlight Brackets. The McCrosky Reamer Co., Meadville, Pa.
Searchlight Cutting Torch. Searchlight Co., Chicago.
Search-Light Lanterns. Bridgeport Brass Co., Bridgeport, Conn.
Search-Light Sheet Packing. Republic Rubber Co., Youngstown, O.
Searchlight Stoves. Utility Stove & Range Co., Indianapolis, Ind.
Searight's Compound Lever Snips. Bartlett Mfg. Co., Detroit, Mich.
Searight's Tanners' Snips. St. Louis Sales Co., St. Louis, Mo.
Sea Ring Rod and Plunger Packing. Johns-Manville, Incorporated, New York.
Sea-Rings Rod Packing. H. W. Johns-Manville Co., New York.
Searles Vises. Spencer Regulator Co., Salem, Mass.
"Searloid" China White Bathroom Fixtures. Searles Mfg. Co., Newark, N. J.
Searls Pipe Vises. Spencer Regulator Co., Salem, Mass.
Searls-Thomas Carriage Top Props. Searls Mfg. Co., Newark, N. J.
Sears-Cross Locks. National Seal Co., Brooklyn, N. Y.
Seatable Combination Seat and Table. Puff Mfg. Co., Los Angeles.
Seat-N-Bed Auto Camp Beds. W. J. Broome Mfg. Co., Los Angeles.
Seattle Safety Cargo Hooks. Thos. Laughlin Co., Portland, Me.
Seavey Patent Mitre Boxes. Smith & Hemenway Co., Inc., Irvington, N. J.
Sebastian Lathes. Sebastian Lathe Co., Covington, Ky.
Sebco Expansion Bolts, Toggle Bolts, Aerial Rings, Brick Drills, Concrete Anchors, Concrete Inserts. Star Expansion Bolt Co., New York.
Sebco Products. Star Expansion Bolt Co., New York.
Se Ben Keran High Speed Steel and Tool Steel. Robt. K. Greaves & Co., Chicago.
Sechrist Automatic Switches. Albert Sechrist Mfg. Co., Denver, Colo.
Sechrist Electric and Gas Pressure, Steam Cookers and Canners. Albert Sechrist Mfg. Co., Denver, Colo.
Seclocks Glass Cleaner. Harry D. Lentz, Lebanon, Pa.
Seco Automatic Screw Driver. Stresau Engineering Co., Brooklyn, N.Y.
Seco Cigar Lighters, Annunciators, Telephones and Ash Trays. Spielman Elec. Co., New York.
Seco Common Brick. Seco Pressed Brick Co., D'Hanis, Texas.
Seco Connecting Rods and Spark Plug Wrenches. Tiffany Mfg. Co., Newark, N. J.
Seco Freight Elevator Doors. Security Fire Door Co., St. Louis, Mo.
Seco Log Chain. Seattle Chain & Mfg. Co., Seattle, Wash.
Seco Switches and Switchboards. Safety Electric Co., San Francisco.
Secor Typewriters. Duffield & Co., Derby, Conn.
Secor's Weeding Hooks. Potter Mfg. Co., Geneva, O.
Secret Service Dry Batteries. Fred D. Harper, Everett, Mass.
Sec-Tel Freight Elevator Doors. Security Fire Door Co., St. Louis, Mo.
Sectionfold Folding Partitions. The J. G. Wilson Corp., New York.
Sectionfold Rolling Partitions. J. G. Wilson Corp., New York.
Secundus White Cotton Waste. Massasoit Mfg. Co., Fall River, Mass.
Secure Levers Padlocks. Fraim-Slaymaker Hardware Co., Lancaster, Pa.
Securitas Anti-Siphon Traps. Sanitas Mfg. Co., Boston, Mass.
Security Anchor Wall Anchors and Ties. Concrete Steel Co., N. York.
Security Asphalt Roofing. National Roofing Co., Tonawanda. N. Y.
Security Automobile Tire Holders. Post & Lester Co., Hartford, Conn.
Security Ball Joints. Chicago Screw Co., Chicago.
Security Barn Door Latches. Peck Hardware Co., Berlin, Wis.
Security Bell Ringers. D. R. Niederlander, St. Louis, Mo.
Security Belting. United States Rubber Co., New York.
Security Blend and Shutter Fasteners. Stanley Works, New Britain, Conn.
Security Blow-Off Valves. Wm. T. Fowden, Chester, Pa.
Security Box Straps, Blind and Shutter Fasteners. Stanley Works, New Britain, Conn.
Security Cash Recorders. Hough Cash Recorder Co., Indian Orchard, Mass.
Security Caulking Cotton. Massasoit Mfg. Co., Fall River, Mass.
Security Chemical Fire Engines. A. O. Rowe & Son, New York.
Security Concrete Inserts. Security Insert Co., Philadelphia.
Security Cross Arm Braces. F. Bissell Co., Toledo, O.
Security Door-Opener. Electrical Products Mfg. Co., Providence, R. I.
Security Dust Guards. West. Railway Equipment Co., St. Louis, Mo.
Security Electric, Railway Specialties, Conduit and Sewer Rods, Supporting Clamps, Pole Seats, Underground Conduit Tools, Cable Terminals, Telephone Terminals, Manhole Covers. F. Bissell Co., Toledo, O.
Security Electric Sad Irons. Security Electric Mfg. Co., Chicago.
Security Envelopes. Hinde & Dauch Paper Co., Sandusky, O.
Security Gummed Tape. Central Paper Co., Menasha, Wis.
Security Hatch Fasteners. Mulholland Hatch Fastener Co., Cleveland.
Security Heating Appliances. Security Electric Mfg. Co., Chicago.
Security Journal Box Dust Guards. Western Railway Equipment Co., St. Louis, Mo.
Security Key Hooks. L. F. Grammes & Son, Allentown, Pa.
Security Key Ring Holders. The Bridgeport Chain Co., Bridgeport, Ct.
Security Knuckle and Wrist Pin. U. S. Metallic Packing Co., Phila.
Security Ladders. J. B. Patterson Co., Oakland, Cal.
Security Locking Handles. C. Cowles & Co., Inc., New Haven, Conn.
Security Low Water Alarm; Shaker Bar Posts. The U. S. Metallic Packing Co., Philadelphia, Pa.
Security Mailing Envelopes. Hinde & Dauch Paper Co., Sandusky, O.
Security Metallic Shingles. Hyndman Roofing Co., Cincinnati, O.
Security Portable Lamp Guards. McGill Mfg. Co., Valparaiso, Ind.
Security Sewer Rods. F. Bissell Co., Toledo, O.
Security Solid Manganese Frogs. Louisville Frog & Switch Co., Inc., Louisville, Ky.
Security Steel Lockers. Aurora Steel Products Co., Aurora, Ill.
Security Steel Office Furniture. Steel Equipment Corp., Avenel, N. J.
Security Steel Wheels. The Geneva Metal Wheel Co., Geneva, O.
Security Step Ladders. Goshen Churn & Ladder Co., Goshen, Ind.
Security Stove Pipe and Elbows. Follansbee Bros. Co., Pittsburgh.
Security Stoves. Security Stove & Mfg. Co., Kansas City, Mo.
Security Switchstands and Fixtures. Morden Frog & Crossing Works, Chicago.
Security Telephone Cable Terminals. F. Bissell Co., Toledo, O.
Security Trace Carriers. North & Judd Mfg. Co., New Britain, Conn.
Security Underwriters Fire Hose. Revere Rubber Co., Boston, Mass.
Security Ventilating Sash Locks. Burgess-Norton Mfg. Co., Geneva, Ill.
Security Wide Lap Strip Shingle. The National Roofing Co., Tonawanda, N. Y.
Security Wide-Weld Roofing. National Roofing Co., Tonawanda, N. Y.
Security Whip Socket Fasteners. Searls Mfg. Co., Newark, N. J.
Securo Battery Connectors. Stevens & Co., New York.
Securo Grease Cups. The Lunkenheimer Co., Cincinnati, O.
Securo Lavatory Wastes. Crane Co., Chicago.
Securo Pipe Joint Cements. R. N. Starbuck & Son Hartford, Conn.
Sedalia Lawn Swings. Thos. K. Barley, Sedalia, Mo.
Sedgley Packing. Anchor Packing Co., Philadelphia.
Sedgwick Comealongs. Eureka Fence Mfg. Co., Richmond, Ind.
Sedgwick Gravity Lifts, Hand Power Elevators and Dumbwaiters. Sedgwick Machine Works, New York.
See-B Tracing Cloth. American Blue Print Paper Co., Chicago.
See-Dro Battery Separators. See-Dro Separator Co., San Francisco.
Seeds Dry Plates. Eastman Kodak Co., Rochester, N. Y.
Seeds Faucet Filters. Seed Filter & Mfg. Co., New York.
Seeger Refrigerators. Seeger Refrigerator Co., St. Paul, Minn.
Seekonk Rubber Hose. National India Rubber Co., Bristol, R. I.
Seelig's Engineering Instruments. R. Seelig & Son, Chicago.
Seely Fasco Fireless Cookers for Families. Frances A. Seely Co., Chgo.
Seely-Sanitary Fireless Cookers for Institutions. Frances A. Seely Co., Chicago.
See-Safe Wind Shield Cleaners. Stadeker Metal Specialty Co., Ch'go.
Seevers Steam Heaters. Seevers Mfg. Co., Oskaloosa, Ia.
Seewell Reading Glasses. C. D. Wood Electric Co., New York.
Segment Potato Planters. Potato Implement Co., Traverse City, Mich.
Seibel Air Springs. Seibel Air Spring Co., Inc., San Francisco.
Seibert Lubricators. Star Brass Mfg. Co., Boston.
Seibert Poison Fly Paper. H. E. Seibert, St. Paul, Minn.
Seibert Magic Fly Killers. H. E. Seibert, St. Paul, Minn.
Seidel Sash Pulleys. Seidel Mfg. Co., St. Louis.
Seiss Auto and Bicycle Horns and Electric Fans. Seiss Mfg. Co., Toledo, O.
Seitz Forest Service Knock-Down Gas Stove. Eugene Iron Works, Eugene, Ore.
Selby's Ideal Plaster and Trimmer. The Sel-Worth Co., Indianapolis, Ind.
Selco Electric Bells. Spies Elec. Works, Chicago.
Selclo Blower Valves. Jenkins Bros., New York.
Selectasine Process Signs. Selectasine Patents Co., San Francisco.
Selden Motor Trucks. Selden Truck Corporation, Rochester, N. Y.
Selden Packing. Randolph Brandt, New York.
Select-O-Phone Automatic Interior Telephone. The Select-O-Phone Co., Providence, R. I.
Selected Oxide of Zinc. The New Jersey Zinc Co., New York.
Self Acting Feed Carriers. Louden Machinery Co., Fairfield, Ia.
Self-Aligning Ball Bearings. Skayef Ball Bearing Co. supervised by S K F Industries, Inc., New York.
Self-Cleaning Door Hanger. The F. E. Myers & Bro. Co., Ashland, O.
Self-Closing Gate Hinges. Grey Iron Casting Co., Mt. Joy, Pa.
Self-Feeding Duplicators. Beck Duplicator Co., New York.
Self-Healing Bridge Cement. Toch Brothers, Inc., New York.
Self-Lock Eaves Trough Hangers. Milwaukee Corrugating Co., Milwaukee, Wis.
Selflock Nuts. Bethlehem Steel Co., Bethlehem, Pa.
Self Lock Wire Stretchers. Hunt, Helm, Ferris & Co., Harvard, Ill.
Self-Locking Seal. Chicago Car Seal Co., Chicago.
Self Locking Sling Pulleys. J. E. Porter Co., Ottawa, Ill.
Self-Lubricating Power Pumps and Pumping Jacks. The F. E. Myers & Bro. Co., Ashland, O.
Self-Oiling Electric Pumps, Power Pumps and Water Systems. The F. E. Myers & Bro., Ashland, O.
Self-Sentering Concrete Reinforcement. General Fireproofing Co., Youngstown, Ohio.
Self-Sharpening Feed Cutters. Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Seigelite Sheet Packing and Gaskets. Johns-Manville, Incorporated, New York.
Selic Floor Oil. Simon S. Selig, Jr., Atlanta, Ga.
Silkirk Double Filling Duck. Mt. Vernon Woodbury Mills Co., Baltimore, Md.
Selkirk "Harlomoor" Fabrics. Turner, Halsey Co., New York.
Selkirk Rubber Hose. Electric Hose & Rubber Co., Wilmington, Del.
Selle Gears. Akron-Selle Co., Akron, O.
Sellers Anchor Bottom Tie Plates. Sellers Mfg. Co., Chicago.
Sellers Kitchen Cabinet. G. I. Sellers & Son Co., Elwood, Ind.
Sellers Restarting Boiler Injectors. Jenkins Bros., New York; Wm. Sellers & Co., Philadelphia, Pa.
Sellers Wet Tool Grinders. Wm. Sellers & Co., Philadelphia, Pa.
Sellew Disc Grinders. Sellew Machine Tool Co., Pawtucket, R. I.
Sellew Drill Heads. Sellew Machine Tool Co., Pawtucket, R. I.
Sells Roller Bearings, Combination Grease and Oil Guns. Royersford Foundry & Machine Co., Philadelphia.
Sells Roller Bearing Hangers. Chicago Pulley & Shafting Co., Chicago.
Sells Roller Bearings. Royersford Fdry. & Mach. Co., Philadelphia, Pa.
Selma Ranges. Huenefeld Co., Cincinnati.
Sel Purr Expanded Metal Lath and Wire Lath. Edwards Metal Structure Co., Kansas City, Mo.
Seltona Photographic Paper. J. L. Lewis, New York.
Semco Leather Belting. Semmelmeyer Belting Co., St. Louis, Mo.
Semco Vacuum Cleaners. Semco Mfg. Co., Nashville, Tenn.
Semdac Liquid Gloss. Standard Oil Co., Chicago.
Semdex Trimmer Steel. Heppenstall Forge & Knife Co., Pittsburgh, Pa., Heppenstall Forge Co., Bridgeport, Conn.
Se-Ment-Ol Automobile Radiator Cements. Northwestern Chemical Co., Marietta, Ohio.
Semet-Solvay Coke Compounds. Semet-Solvay Co., Syracuse, N. Y.
Semhi Milling Metal and Slitting Saws. Huther Bros. Saw Mfg. Co., Rochester, N. Y

Semi-Bronze Packing, Gaskets. General Asbestos & Rubber Co., Charleston, S. C.
Semi Hecla Packing. General Asbestos & Rubber Co., Charleston, S. C.
Semi-HiSaws. Huther Bros. Saw Mfg. Co., Rochester, N. Y.
Semi-Indirect Electric Fixtures. Harter Mfg. Co., Chicago, Ill.
Seminole Garment Hangers. Campbell-Ware Co., Jacksonville, Fla.
Seminole Red Stitched Canvas Belting. Rossendale-Reddaway Belting & Hose Co., Newark, N. J.
Seminole Rubber Hose. National India Rubber Co., Bristol, R. I.
Semi-Plug Valve. American Balance Valve Co., Jersey Shore, Pa.
Semper Babbitt Metal. Thomas Wildes Sons, New York.
Semper Focal Camera. Williams, Brown & Earle Inc., Philadelphia, Pa.
Senaca Standard American Tripoli. American Tripoli Co., Seneca, Mo.
Senate Belting. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Senate Gum Core Packing. Belmont Packing & Rubber Co., Phila., Pa.
Senator Lead Pencils. American Lead Pencil Co., New York.
Senator Packing. Anchor Packing Co., Philadelphia.
Senator Pipeless Furnaces. Wellston Mfg. Co., Wellston, Ohio.
Senator Ratchet Grease Cups. Penberthy Injector Co., Detroit.
Seneca Brand Extra Tinned and Galvanized Steel Mattress and Broom Wire. Seneca Wire & Mfg. Co., Fostoria, O.
Seneca Chains. Seneca Chain Co., Kent, O.
Seneca Enameled Iron Bath Tubs. McVay-Walker Co., Braddock, Pa.
Seneca Fire Hose. Goodall Rubber Co., Philadelphia, Pa.
Seneca Iron and Steel Wires. Seneca Wire & Mfg. Co., Fostoria, O.
Seneca Nozzles and Pumps. Goulds Mfg. Co., Seneca Falls, N. Y.
Seneca Reclaimed Rubber. U. S. Rubber Reclaiming Wks., New York.
Seneca Siphen Filters. E. L. Miller Mfg. Co., Kansas City, Mo.
Seneca Standard Plug and Drip Filter Stones and Syphon Filters, Am. Tripoli Co., Seneca, Mo.
Seneca Steel. Ludlum Steel Co., Watervliet, N. Y.
Seneca Swedes Iron Rope Wire. Seneca Wire & Mfg. Co., Fostoria, O.
Senegal Specialty Canvas Belting. Rossendale-Reddaway Belting & Hose Co., Newark, N. J.
Sengbusch Inkstands and Moisteners. Sengbusch Self-Closing Inkstand Co., Milwaukee, Wis.
Senior Leader Orchard Sprayers. Field Force Pump Co., Elmira, N. Y.
Senior Lubricators. Lunkenheimer Co., Cincinnati, O.
Senn Pan-Motion Amalgamators and Concentrators. Bunting Iron Works, San Francisco, Calif.
Sensation Belting. Voorhees Rubber Mfg. Co., Jersey City, N. J.
Sensible Egg and Cream Beaters, Pot Chains. Woods-Sherwood Co., Worcester, Mass.
Sensible Mailing Boxes. Jencks Paper Box Co., Providence, R. I.
Sentinel Automatic Air Valves. Denver Hydro Co., Denver.
Sentinel Check Writer. Hall-Welter Co., Inc., Rochester, N. Y.
Sentinel Electric Headlights; Tail Lamps. The R. E. Dietz Co., New York.
Sentinel Fire Hose. Goodall Rubber Co., Philadelphia, Pa.
Sentinel Oil Cups. Lunkenheimer Co., Cincinnati, O.
Sentinel Paste Paint. James B. Sipe & Co., Bridgeville, Pa.
Sentinel Rubber Hose. Voorhees Rubber Mfg. Co., Jersey City, N. J.
Sentinel Water Meters and Recording Gauges. R. W. Sparling, Los Angeles.
Sentry Oil Cups. Pemberthy Injector Co., Detroit, Mich.
Sentry Oils and Greases. Crew Levick Co., Philadelphia, Pa.
Sentry Sight Feed Oiler. Pemberthy Injector Co., Detroit.
Separable Carriage Fasteners. Chas. Weiss & Son, Chicago.
Septimus White Cotton Waste. Massasoit Mfg. Co., Fall River, Mass.
Sequoia Oils and Greases. Petroleum Products Co., San Francisco, Cal
Sequoia Talking Machines. Southern Cal. Hardwood & Mfg. Co., Los Angeles.
Serco Radio Parts. Scheib Elec. Radio Co., Pittsburgh.
Sergeant Rock Drills. Ingersoll-Rand Co., New York.
Sero-Var Varnish. Sears-Roebuck & Co., Chicago.
Serpentine Screw Drivers, Scratch Awls, Stove Pokers. Arcade Mfg. Co., Freeport, Ill.
Serrell Electric Ovens. Serrell Elec. & Appliance Corp., New York.
Servall Rubber Hose. W. H. Salisbury & Co., Inc., Chicago.
Service American Made Drawing Instruments. The C. F. Pease Company, Chicago.
Service Babbitt Metal. Syracuse Smelting Works, Brooklyn, N. Y.
Service Belting, Hose. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Service Brand Poles and Posts. L. D. McFarland, Sand Point, Idaho.
Service Casters and Trucks. Service Caster & Truck Co., Albion, Mich.
Service Casters, Elevating Trucks and Tri Wheel Trucks. Union Steel Products Co., Ltd., Albion, Mich.
Service Conveyor Belting. Link-Belt Co., Chicago, Indianapolis, Philadelphia.
Service Counterbores, Countersinks, Multiple Boring Tools and Spotfacers. The Gairing Tool Co., Inc., Detroit, Mich.
Service Drawing Instruments. C. F. Pease Co., Chicago.
Service Leather Belting. St. Louis Belting & Sup. Co., St. Louis, Mo.
Service Motor Trucks. Service Motor Truck Co., Wabash, Ind.
Service Recorders. The Service Recorder Co., Cleveland, O.
Service Sheet Packing, Gaskets and Roofing. Johns-Manville, Incorporated, New York.
Service Steel Stools. Toledo Metal Furniture Co., Toledo, O.
Service Telephone Switchboards. Kellogg Switchboard & Supply Co., Chicago.
Service Truck and Washing Machine Casters. Service Caster & Truck Co., Kansas City, Mo.
Service Typewriter Ribbons and Carbon Paper. Remington Typewriter Co., New York.
Service Brand Conveyor Belts. Link-Belt Co., Chicago.
Servicized Sheathing Paper, Asphalt Shingles, Expansion Joints, Etc. Servicised Products Co., Chicago.
Servicocoat Enamel. The Debevoise Company, Brooklyn, N. Y.
Servoas Electric Furnaces. Servoas Furnace Co., Chicago.
Servoleum Flooring. Special Service Flooring Corp., New York.
Serv-U Varnishes. C. H. Parker Co., Valparaiso, Ind.
Sesco Boiler Compound. Sterling Equipment & Supply Co., Wilmington, Del.
Sesco Plumbers' Sanitary Earthenware. Sanitary Earthenware Specialty Co., Trenton, N. J.
Sessions Standard Draft Gear. Standard Coupler Co., New York.
Seven-Day (Texaco) Switchlight Oil. The Texas Company, New York.
Seven-League Rubber Boots. Mulconroy Co., Inc., Philadelphia, Pa.
7-11 Loose Pin Screen Door Hinges. Champion Hardware Co., Geneva, O.
76 Paste Pipe Joint Cements. W. T. Baker, Jersey City, N. J.
"76" Steam Hose and Belting. Goodall Rubber Co., Philadelphia, Pa.
736 Floor Brush. Western Brush Co., Detroit, Mich.
775 Porcelain Specialties. Frenchtown Porcelain Co., Trenton, N. J.
1776 Flax Packing. Quaker City Rubber Co., Philadelphia.
1776 Belting. Quaker City Rubber Co., Philadelphia, Pa.
7716 Drills. National Twist Drill & Tool Co., Detroit, Mich.
Seville Lavatories. Crane Co., Chicago.
Sewell Car Couplers. Consolidated Car Heating Co., New York.
Sewell Cushion Wheels. The Sewell Cushion Wheel Co., Detroit, Mich.
Sewell Steam Couplers. Consolidated Car Heating Co., Albany, N. Y.
Sewkit (Sewing Novelties). Empire Notion Company, New York.
Sextoblade Safety Razors. Edward Week & Son, New York.
Sexton Automobile Fuel and Oil Storage Tanks, Barrel Pumps, Gasoline Strainers and Outfits. Sexton Can Co., Boston.
Sexton's Oil Cans, Oil Filters, Paint Pots, Deep Pans, Can Spouts, Underground Garbage Receivers and Lubricating Tanks. Sexton Can Co., Boston.
Sextus White Cotton Waste. Massasoit Mfg. Co., Fall River, Mass.
Seybold Round Cornering Machines. Seybold Machine Co., Dayton, O.
Seydel Chemicals. Seydel Chemical Co., New York.
Seymour Midget Track Grinder. E. P. Seymour Rail Grinder Co., Waltham, Mass.
Seymour Post Hole Diggers. Seymour Mfg. Co., Seymour, Ind.
Seymour Shears and Scissors. Wiebush & Hilger, New York.
Shafer Boller Bearing. Shafer Bearing Corp., Chicago.
Shaffer Incandescent Cut-Outs. Hart & Hegeman Mfg. Co., Hartford, Conn.
Shaftlock Automatic Safety Control Auto Locks. Cirac Automatic Reverse Control Co., San Francisco.
Shakeproof Lock Washers. Shakeproof Lock Washer Co., Chicago.
Shaker Flour Sifters. Republic Metalware Co., Buffalo.
Shaker Potato Diggers. Deere & Co., Moline, Ill.; South Bend Chilled Plow Co., South Bend, Ind.
Shakespeare Carburetors. Shakespeare Co., Kalamazoo, Mich.
Shaler Roadlighter Lenses. C. A. Shaler Co., Waupun, Wis.
Shaler Tire Vulcanizers, Electric Stoves. C. A. Shaler Co., Waupun, Wis.
Shale-Tex Face Brick. Streator Brick Co., Streator, Ill.
Shambow Bobbins Sweep Sticks Shuttles. Shambow Shuttle Co., Woonsocket, R. I.
Sham-Rock Babbitt Metal. Cleveland Alloys Co., Cleveland.
Shamrock Conduit Pipe Hanging Clamps, Floor Plugs, Tank Switches. W. F. Irish Electric Supplies, New York.
Shamrock Gas Mantles. Welsbach Light Co., Philadelphia, Pa.
Shamrock Horse Nails. Fowler & Union Horse Nail Co., Buffalo.
Shamrock Lawn Mowers. Chadborn & Coldwell Mfg. Co., Newburgh, N. Y.
Sham-Rock Waterproofing Compound. McCormick Waterproof Portland Cement, St. Louis, Mo.
Shannon Arch Letter Files and Supplies. Yawman & Erbe Mfg. Co., Rochester, N. Y.
Shannon Coal Jigs. Link-Belt Company, Chicago, Indianapolis, Philadelphia; H. W. Caldwell & Son, Chicago.
Shannon Flat Bottom Metal Culvert. United States Metal Culvert Co., Cincinnati, O.
Shannon Jigs for Coal Washeries. Link-Belt Co., Chicago.
Shannon Sewer Cleaning Machines. J. H. & R. Shannon, Jersey City, N. J.
Shapco Radiator Shields; Air Cooling Systems. Sodeman Heat & Power Co., St. Louis, Mo.
Shark Adjustable Wrenches. Richards-Wilcox Mfg. Co., Aurora, Ill.
Sharon Base Bead. The Youngstown Pressed Steel Company, Warren, O.
Sharon Car Couplers. National Malleable and Steel Castings Co., Cleveland, O.
Sharon Door and Storm Hangers, Cupboard Catches, Sash Locks. Sharon Hardware Mfg. Co., Sharon, Pa.
Sharon Beauties Surface Hinges. Sharon Hdwe. Mfg. Co., Sharon, Pa.
Sharon Trolley Barn Door Hangers. Sharon Hardware Mfg. Co., Sharon, Pa.
Sharp-Em-Quick Knife and Scissors Sharpener. Lectonia Tool Co., Lectonia, O.
Sharpen Ezy Nail Sets, Tinners' Punches & Chisels. H. D. Smith & Co., Plantsville, Conn.
Sharpen Fay Chisels and Punches. Smith & Co., Plantsville, Conn.
Sharples Milking Machines. Sharples Milker Co., West Chester, Pa.
Sharp-Miller Photometers. Foote-Pierson & Co., New York.
Sharp Rotary Ash Receiver and Garbage Receivers. The Sharp Rotary Ash Receiver Co., Inc., Binghamton, N. Y.
Sharpshooter Smokeless Rifle Powder. Hercules Powder Co., Wilmington, Del.
Sharpsville Neverleak Storage Tanks. Sharpsville Boiler Wks. Company, Sharpsville, Pa.
Sharpsville Pig Iron. Claire Furnace Co., Sharpsville, Pa.
Sharp-Well Razor Strops. Illinois Razor Strop Co., Chicago.
Shasta Brushes. The Wooster Brush Co., Wooster, O.
Shavezy Razor-Guards, Safety Razors. L. T. Weiss, Brooklyn.
Shavo Shaving Cream. Shavo Co., Stockton, Cal.
Shaw Blow-Off Valves. The National Supply Co., Toledo, O.
Shaw Calf Weaners. Barbee Wire & Iron Works, Lafayette, Ind.
Shaw Couplings. Dodge Sales & Engineering Co., Mishawaka, Ind. The American Tool & Machine Co., Boston, Mass.
Shaw Electric Cranes; Electric Traveling Monorail Hoists. Manning, Maxwell & Moore, Inc., Shaw Crane Works, Muskegon, Mich.
Shaw Insulators and Lightning Arresters. Newark Engineering Mfg. Co., Newark, N. J.
Shaw Lightning Arresters. Electrical Material Co., Chicago; Lord Mfg. Co., New York.
Shaw Motor Cycles and Bicycle Motor Attachment. Shaw Mfg. Co., Galesburg, Kans.
Shaw Telephone Systems. Manning, Maxwell & Moore, New York.
Shaw & Flinn's Lifting Rod Cleaners. Draper Corp., Hopedale, Mass.
Shaw's Gauges and Instruments. Pneumoercator Co., Inc., Brooklyn, N.Y.
Shaw's Indicators, Mufflers, Pumps, Testers. Parks Engineering Co., Philadelphia, Pa.
Shawco Belt-Turned and Recessed Joint Pipe. Benj. F. Shaw Co., Wilmington, Del.
Shawco Joint Headers. Benj. F. Shaw Co., Wilmington, Del.
Shawmut Belting and Hose. U. S. Rubber Co., New York.
Shawmut Bushings, Clamps, Fuses, Hangers, Lock Nuts, Rail Bonds. Chase-Shawmut Co., Newburyport, Mass.
Shawmut Conduit Hangers, Fuse Blocks, Clips, Ground Connection Clamps, Locknut Bushings, Terminal Lugs, Switches, Etc. Condit Electrical Mfg. Co., Boston.
Shawmut Flue Linings, Sewer Pipe. Shawmut Clay Mfg. Co., Drummond, Pa.
Shawmut Fuses. Chase-Shawmut Co., Newburyport, Mass.
Shawmut Fuses, Clamps, Cutouts, Blocks, Links and Wire. Condit Elec. Mfg. Co., South Boston, Mass.
Shawmut Packing, Rubber Hose. Revere Rubber Co., Chelsea, Mass.
Shawmut Paints. Briggs-Maroney Co., Everett, Mass.

Shawmut Steel Bins. Shawmut Iron & Wire Works, Everett, Mass.
Shawnee Flash Face Brick. Central Refractories Co., New Lexington, Ohio.
Shawnee Power Graders. Shaw-Enochs Tractor Co., Minneapolis.
Shawnut Belting. United States Rubber Co., New York.
Shay Geared Locomotives. Hofins Steel & Equip. Co., Seattle, Wash.
She Locomotive Sanders. United States Metallic Packing Co., Phila.
Shear Cut Clipper Can Openers. W. G. Browne Mfg. Co., Kingston, N. Y.
Shearkleen Flexible Files. Service Tool Co., Newark, N. J.
Sheath Screw Davits. Muir & Symon, San Francisco, Cal.
Sheboygan Coaster Wagons. Sheboygan Coaster & Wagon Works, Sheboygan, Wis.
Shed Rain Insulating Papers. J. E. Booth & Co., Pittsburgh, Pa.
Shedite Waterproof Belting. I. B. Williams & Sons, Dover, N. H.
Shedd's Wire Blind and Shutter Fasteners. Stanley Works, New Britain, Conn.
Sheepskin Leather Aprons. Hudson Belting Co., Worcester, Mass.
Sheetrock Wall Boards and Gypsum. U. S. Gypsum Co., Chicago.
Sheffield Automatic Hydraulic Relief Valves, Automatic Standpipes, Hand or Push Velocipedes, Motor Cars, Cattle Guards, Railroad Standpipes and Water Columns. Fairbanks, Morse & Co., Chicago.
Sheffield Cattle Guards, Hand Cars, Railroad Water Columns, Velocipede Cars, Inspection Cars, Locomotive Cranes, Stand Pipes. Fairbanks, Morse & Co., Chicago.
Sheffield Pig Iron. Sloss Sheffield Steel & Iron Co., Birmingham, Ala.
Sheffield Potato Planters. Sheffield Mfg. Co., Burr Oak, Mich.
Shelbas Lavatories. Crane Co., Chicago.
Shelby Air Tanks, Automobile Axles, Tubing, Cream Separator Bowls, Die-Stock Handles, Hollow Seamless Steel Tubing, Cylinders, Boiler Tubes, Boiler Tube Safe Ends, Drill Rods, Mandrels, Hose Poles, Tempering Pots, Water Gates and Trolley Car and Street Poles. National Tube Co., Pittsburgh.
Shelby Bell Cord Couplings. Handlan-Buck Mfg. Co., St. Louis.
Shelby Chief Floor Hinges. Shelby Spring Hinge Co., Shelby, O.
Shelby Electric Lamps. Shelby Lamp Division of G. E. Co., Shelby, O.
Shelby Farm Tractors. Shelby Tractor & Truck Co., Shelby, O.
Shelby Pipes and Castings. Shelby Steel Tube Co., Pittsburgh, Pa.
Shelby Seamless Steel Tubing. C. A. Roberts Co., Inc., Chicago.
Shelby Spring and Screen Door Hinges, Sash Locks. Shelby Spring Hinge Co., Shelby, O.
"Shelby" Tubing. National Tube Co., Pittsburgh, Pa.
Shelby Trolley Pole. Cleveland Tool & Supply Co., Cleveland, O.
"SHELBY" Tubing. National Tube Co., Pittsburgh, Pa.
Shelby Warm Blast Charcoal Pig Iron. Shelby Iron Co., Shelby, Ala.
Shelcote Roofing. A. H. White Co., New Orleans, La.
Sheldon Automobile Springs. Sheldon Axle & Spring Co., Wilkes-Barre, Pa.
Sheldon Auto Axles. Sheldon Axle & Spring Co., Wilkes-Barre, Pa.
Sheldon Car Movers and Pinch Bars. Webster Mfg. Co., Tiffin, O.; Aldon Co., Chicago; Stephens Adamson Mfg. Co., Aurora, Ill.
Sheldon's Slates. F. C. Sheldon Slate Co., Granville, N. Y.
Shell Pyralin Toilet Articles. E. I. du Pont de Nemours & Co., Inc., Pyralin Dept., Arlington, N. J.
Shellav Lavatories. Crane Co., Chicago.
Shellene Roofing. A. H. White Co., New Orleans, La.
Shelley Corporation Cock Inserting Machines. A. P. Smith Mfg. Co., East Orange, N. J.
Shelley Corporation Tapping Machines. The A. P. Smith Mfg. Co., East Orange, N. J.
Shelloid Ophthalmic Mountings and Parts, Lenses and Instruments. American Optical Co., Southbridge, Mass.
Sheltex Eyeglasses. E. Kirstein Sons Co., Rochester, N. Y.
Shelltone Pyralin Toilet Articles. E. I. du Pont de Nemours & Co., Inc., Pyralin Dept., Arlington, N. J.
Shenango Pig Iron. Shenango Furnace Co., Pittsburgh, Pa.
Shen-King Railroad Copying Paper. Wm. Mann Co., Philadelphia.
Shepard Canned Goods. Otoe Food Products Co., Nebraska City, Neb.
Shepard Electric Liftabout; Cranes and Hoists. Shepard Electric Crane & Hoist Co., Montour Falls, N. Y.
Shepard Pinch Bug Riveters. Hanna Engineering Works, Chicago.
Shepard Vises. Prentiss Vise Co., New York.
Shepard's Blind Fastneers, Gate Latches, Gravity-Locking Blind Hinges. Wrightsville Hardware Co., Wrightsville, Pa.
Shepards Hinges and Lathes. Wrightsville Hardware Co., Wrightsville, Pa.
Shepherd Engines. Shepherd Engineering Co., Williamsport, Pa.
Shepherdbilt Industrial and Athletic Shoes. J. D. Shepherd Shoe Co., Chicago.
Sherardnct Conduits. National Metal Molding Co., Pittsburgh, Pa.
Sherburne Car Door Holders, Rail Benders. Sherburne & Co., Boston.
Sherburne Sanders. U. S. Metallic Packing Co., Philadelphia, Pa.
Sheridan Automobile. Sheridan Motors Co., The, Muncie, Ind.
Sheridan 1,000 Pound Commercial Car. Sheridan Commercial Car Co., Chicago.
Sheriff Patent Pump. Tranter Mfg. Co., Pittsburgh, Pa.
Sheriffs Propeller Wheels. Sheriffs Mfg. Co., Milwaukee, Wis.
Sherman Carpet and Rug Mills. Henry Holmes & Sons, Inc., Phila.
Sherman Emery Wheel Dressers. Desmond-Stephen Mfg. Co., Urbana, Ohio.
Sherman Fixture Connectors and Ground Connection Clamps. H. B. Sherman Mfg. Co., Battle Creek, Mich.
Sherman Grinding Wheel Dressers. Desmond-Stephan Mfg. Co., Urbana, O.
Sherman Ground Connection Clamps. H. B. Sherman Mfg. Co., Battle Creek, Mich.
Sherman's Liquid Stove Polish. Cambria Paint & Color Co., Ltd., Johnstown, Pa.
Sherred-French Valve Inserting Machines. A. P. Smith Mfg. Co., East Orange, N. J.
Sherwood Acid Ejector, Automatic Crank Pin Oiler. Compression Grease Cups, Grease Cups, Fusible Plugs, Multiple Oiler, Oil Cups, Oil Gauges. Sherwood Mfg. Co., Buffalo, N. Y.
Sherwood Boiler Injectors and Oil Lubricators. Sherwood Mfg. Co., Buffalo, N. Y.
Sherwood's Carpet Beaters, Dish Drainers, Gas Jet Heaters, Tea Balls and Wire Card Racks. Woods-Sherwood Co., Worcester, Mass.
Sherwood Class A Injector. Sherwood Mfg. Co., Buffalo, N. Y.
Sherwood Closet Seats. Sherwood Brass Works, Detroit.
Sherwood Concrete Form Fasteners. M. C. Ryan Co., Phoenix, N. Y.
Sherwood Corn Poppers. Woods-Sherwood Co., Worcester, Mass.
Sherwood Metal Frame Window Screens. Continental Co., Detroit.
Sherwood Screens. Sherwood Metal Working Co., Syracuse, N. Y.
Shield Belting and Hose. Mechanical Rubber Co., Cleveland, O.
Shield Brand Drills, Reamers, Chucks, Etc. Standard Tool Co., Cleveland, O.
Shield Brand Magnet and Weatherproof Wire. Ansonia Electrical Co., Ansonia, Conn.
Shield Brand Paints, Twines and Insulating Materials. Mitchell-Rand Mfg. Co., New York.
Shield Brand Plumbing Specialties. M. Glauber & Co., New York.
Shield Brand Sanitary Products. Rochester Germicide Co., Rochester, N. Y.
Shield Brand Sanitary Service Apparel. Angelica Jacket Co., St. Louis, Mo.
Shield Brand Steel Stamps and Type. The Dickey-Grabler Co., Cleveland, O.
Shield Brand Tools. The Standard Tool Co., Cleveland, O.
Shield Cements. Lawrence Cement Co., Siegfried, Pa.
Shield Leather Belting. McCauley Belting Co., Chicago.
Shield Linseed Oil Soap. India Alkali Works, Boston.
Shield Lubricating Oils and Greases. Wm. P. Miller Co., Chicago.
Shield Oil Soap. India Alkali Works, Boston, Mass.
Shield Wires and Cables. Ansonia Electrical Co., Ansonia, Conn.
Shields Lubricating Oils & Greases. W. P. Miller Co., Brooklyn.
Shields Spring Brake Shock Absorbers. Rainier Machine & Supply Co., Seattle, Wash.
Shieldals Overalls. Tel.-Tex. Co., Dallas, Tex.
Shiffer Trolley Street Poles. American Bridge Co., New York.
Shim Brake Slack Adjusters. Standard Coupler Co., New York.
Shimer Cutter Heads. Samuel J. Shimer & Sons, Milton, Pa.
Shimer Woven Wire Fences. Spring Steel Fence & Wire Co., Anderson, Ind.
Shineaul Metal Polish. Ericka Mfg. Co., Springfield, Mass.
Shine All Metal Polish Eugene Arnstein Paint Co., Chicago.
Shine Bright Metal Polish. Parker Refining Co., Cleveland.
Shine Et Polish. Albert W. Marcks, St. Louis, Mo.
Shingle-Edge Shingle Stains. L. Sonneborn Sons, New York.
Shingle Roofing Felts. Flintkote Co., Boston.
Shingletint Stain. Berry Brothers, Inc., Detroit, Mich.
Shinglette Roofing. The Barrett Co., New York.
Shinit Metal and Porcelain Cleaner. Rochester Chemical Co., Rochester, N. Y.
Shi-nite Metal Polish. Adams & Elting Co., Chicago.
Shinn Metal Cutting Saws. M. E. Shinn & Co., Chicago.
Shino Chemical Dust Mops, Broom Covers, Dustless Dust Cloths, Mitten Dusters, Polishing Cloths and Linoleum Varnish. Pioneer Mfg. Co., Cleveland.
Shinon Polishes. Rochester Chemical Co., Rochester, N. Y.
Shipco Steel, Brass and Aluminum. Superior Oxy-Acetylene Machine Co., Hamilton, O.
Shipmate Galley Stoves. Stamford Foundry Co., Stamford, Conn.
Shipmate Ranges. Stamford Foundry Co., Stamford, Conn.
Shipoleum Interior Varnish. Chicago Varnish Works, Chicago; E. I. du Pont de Nemours & Co., Inc., Paint & Varnish Dept., Phila.
Ship-Safe Tire Crates. R. E. Beers L'br Co., Trenton, N. J.
Shipp Ventilators. C. C. Shipp Co., Indianapolis, Ind.
Shirley Cotton Rope. Samson Cordage Works, Boston.
Shoal Eater Launches. Barbour Boat & Pattern Co., Valley Park, Mo.
Shock Absorber Lawn Mowers. Supplee-Biddle Hardware Co., Phila.
Shoe Satin Bixola Shoe Polishes. S. M. Bixby & Co., Brooklyn.
Shoemaker Fire Door. National Railway Devices Co., Chicago.
Shofo Hand Cleanser. John T. Stanley & Co., Inc., New York.
Sho-Fur Carriage Robes. Burlington Blanket Co., Burlington, Wis.
Shone Ejectors. Yeomans Brothers Co., Chicago.
Shop Mule Tractors. Equipment Corp. of America, Chicago.
Short Lap Leather Belting. Van Riper Mfg. Co., Paterson, N. J.; Moloney Belting Co., Chicago; Semmelmeyer Belting Co., St. Louis, Mo.
Short Lop Leather Belting. W. S. Nott Co., Minneapolis.
Short's Universal Levels. W. H. Hill, Cambridge Springs, Pa.
Shoup's Autographic Registers. Autographic Register Co., Hoboken, N. J.
Shoupaligan Manifolding Devices. Autographic Register Co., Hoboken, N. J.
Shouperior Manifolding Devices. Automatic Register Co., Hoboken, N.J.
Show Disc Sharpeners. Skow Mfg. Co., Newton, Ia.
Shredded Wheat Metallic Packing. Strong Machinery & Supply Co., New York.
Shriver Filter Presses. T. Shriver & Co., Harrison, N. J.
Shryock Rope Knives. Leidecker Tool Co., Marietta, O.
Shuart Road Machinery. Ohio Road Machinery Co., Oberlin, O.
Shufude Leather Preservative. William Henry King, Newark, N. J.
Shulife Shoe Dressing. R. M. Hollingshead Co., Camden, N. J.
Shultis Sectional Bark Mills. Wm. Bartley & Sons, Bartley, N. J.
Shultz Belting, Belt Dressing, Belt Cements, Patent Pulley Covering. Shultz Belting Co., St. Louis.
Shultz Sable Raw Hide Belting Mfrs. Shultz Belting Co., St. Louis, Mo.
Shultz Store Front Construction, Coal Chutes. Shultz All Steel Corner Post Co., St. Joseph, Mo.
Shurebound Metal Lath. The Goldsmith Metal Lath Co., Cincin, O.
Shur Edge Cutlery. Robeson-Rochester Corp., Cutlery Division, Rochester, N. Y.
Shuredry Contractors' Tents. Geo. B. Carpenter & Co., Chicago.
Shuredry Tarpaulins. Fulton Bag & Cotton Mills, Atlanta, Ga.
Shurfit Piston Rings. Standard Piston Ring Co., Boston.
Shurflo Wick Feed Oil Cups. Hunter Pressed Steel Co., Lansdale, Pa.
Shur-Katch Fly Traps. National Enameling & Stamping Co., New York.
Shur-Lock Screen Door Catches. Waterbury Button Corp., Waterbury, Conn.
Shurlock Sockets. Pass & Seymour, Inc., Solvay, N. Y.
Shurlox Awnings. Shurlox Awning & Shade Co., Chicago.
Shurnuf Window Ventilators. Universal Ventilating Co., Kansas City, Mo.
Shur Seal Piston Rings. Super Auto Products Co., San Francisco.
Shur-Site Treads. Mitchell-Tappen Co., New York.
Shuro Storage Battery Cell Testers. Frank W. Morse, Boston.
Shur Shut Mouse Traps. Fort Dearborn Mfg. Co., Sterling, Ill.
Shuster Automatic Wire Straightening and Cutting Machines. F. B. Shuster Co., Cedar Hills, New Haven, Conn.
Shutes Battery Service Station Equipment. Automotive Electric Service Corp., Chicago.
Shutrock Wall Board Gypsum. U. S. Gypsum Co., Chicago.
Shuttle Cloth Laying Machines. Shuttle Machine Co., New York.
Shuveloder Underground Loading Machines. Lake Superior Loader Co. Duluth, Minn.
Shuwhite Shoe Polishes. S. M. Bixby & Co., Brooklyn, N. Y.
Shyrock Wire Rope Clamps. Leidecker Tool Co., Marietta, Ohio.
Siberian Ice and Refrigerating Machines. Armstrong Machinery Co., Spokane, Wash.

Siberian Stove Pokers. Arcade Mfg. Co., Freeport, Ill.
Sibley-Hi-Speed Sensitive Drills. Sibley Machine Co., South Bend, Ind.
Sibley Stoves. Pacific Stove & Stamping Co., Tacoma, Wash.
Sibley's Oils and Greases. Galena Signal Oil Co., Franklin, Pa.
Sibloco Pipeless Furnaces. Silverton Blow Pipe Co., Silverton, Ore.
Sicilian Asphalt Pavement. Sicilian Asphalt Paving Co., New York.
Sico Oiled Paper; Oiled Silk; Varnished Cambric. Standard Insulation Co., Rutherford, N. J.
Sicro Heat Resistant Alloy. Ludlum Steel Company, Watervliet, N. Y.
Sictite Gummed Advertising Stickers. Grand Rapids Label Co., Grand Rapids, Mich.
Side Plate Row Locks. Thos. Laughlin Co., Portland, Me.
Side Valve Engines. Southern Engine & Boiler Works, Jackson, Tenn.
Sidelug Steam Traps. Nason Mfg. Co., New York.
Sidio Products. The Sidio Co. of America, Inc., New York.
Sidney Engine Lathes. Sidney Machine Tool Co., Sidney, O.
Sidney Plows, Drag Road Scrapers, Stone Barrows. Sidney Steel Scraper Co., Sidney, Ohio.
Sieben Traps, Floor Drains. Prier Brass Mfg. Co., Kansas City, Mo.
Sieber & Trussell Loose Leaf Devices. Boorum & Pease Co., Brooklyn.
Siebert Lubricators. Star Brass Mfg. Co., Boston.
Siebertas Lubricators. Star Brass Mfg. Co., Boston, Mass.
Sieman Valves. Sterrit-Thomas Foundry Co., Pittsburgh.
Siemens Marine Indicators. McNab Co., Bridgeport, Conn.
Sieverkropp Gas Engine and Starters. Sieverkropp Engine Co., Inc., Racine, Wis.
Sifo Building Material. Silas M. Ford St. Paul, Minn.
Sifon Ventilators. Illinois Art Metal Co., Springfield, Ill.
Sign Painters Black. L. Martin Co., New York.
Signal Bunting. U. S. Bunting Co., Lowell, Mass.
Signal Motor Trucks. Signal Motor Truck Co., Detroit, Mich.
Signal Oilers. Wm. Powell Co., Cincinnati, O.
Signal Receivers and Amplifiers, Condensers and Transformers. Signal Electric Mfg. Co., Menominee, Mich.
Signal Sash Locks. Payson Mfg. Co., Chicago.
Signaloid Incandescent Lamp Colorings. Universal Elec. Stage Lighting Co., Inc., New York.
Signature Brand Typewriter Ribbons. C. R. Leonard Co., Seattle, Wash.
Signet Floor Drain. Crampton-Farley Brass Co., Kansas City, Mo.
Signet Inks, Oils and Metal Polish. Russian Cement Co., Gloucester, Mass.
Signode Bale Ties; Nail-less Box Strapping; Signodes; Sealing and Stretching Tools; Strapping; Strapping Aids and Appliances; Loop-the-Loop Round Binders and Tools. Consolidated Steel Strapping Co. (Successor to Signode System, Inc., & Twisted Wire & Steel Co.), Chicago.
Sigourney Drill Presses. The Sigourney Tool Co., Hartford, Conn.
Sigwalt Seal Presses. Sigwalt Mfg. Co., Chicago.
Sikes Chairs. Sikes Co., Philadelphia.
Silbey Drilling Machines. Silbey Machine Co., South Bend, Ind.
Silcar Bricks, Tiles, etc. George A. Balz, Rahway, N. J.
Silcar Silicon Carbide Brick. Seaboard Refractories Co., Perth Amboy, N. J.
Silchrome Improved Resistance Wire. Alloy Metal Wire Co., New York.
Silcrome Heat Resisting Steel. Ludlum Steel Co., Watervliet, N. Y.
Silent Policemen Traffic Signs and Signals. Traffic Sign & Signal Co., Gloucester, Mass.
Silent Door Hangers. National Mfg. Co., Sterling, Ill.
Silent Shot Rat Killer. Chamberlain-Haber Chem. Co., Cleveland, O.
Silent Water Closets. Pierce, Butler & Pierce Mfg. Corp., New York.
Silent Rich Lawn Mower. Rich Steel Prod. Co., Battle Creek, Mich.
Silent Salesman Show Cases. Detroit Show Case Co., Detroit.
Silex Chisels. Kilborn & Bishop Co., New Haven, Conn.
Silex Copper Filters and Percolators. Silex Co. of Mass., Boston.
Silex Oil and Grease Cups. Pemberthy Injector Co., Detroit.
Silex Oils and Greases. Borne Scrymser & Co., New York.
Silexon Grinding Wheels. Bridgeport Safety Emery Wheel Co., Bridgeport, Conn.
Silica-Aluminum. Goetz Bros., New Albany, Ind.
Silico Wall Finish. United States Gypsum Co., Chicago.
Siliconite Bricks. Siliconite Refractories Co., Irondale, Ala.
Sil-Kat Varnish. De Golyerr Varnish Works, Troy, N. Y.
Silk Quillers. Benj. Eastwood Co., Paterson, N. J.
Silk Toilet Paper Holders. Shelby Spring Hinge Co., Shelby, Ohio.
Silkenamel Enamel and Silk Covered Magnet Wire. Belden Mfg. Co., Chicago.
Silkenite Magnet Wire. Acme Wire Co., New Haven, Conn.
Silkite-Mineral Filler (for rubber, paint, putty, paper, etc.). Keasbey & Mattison Co., Ambler, Pa.
Silkoline Mattresses. John Hoey & Co., San Francisco.
Silkuys Kant-Rust Preventives. N. B. Arnold, Brooklyn.
Sillmans Apex Bronze. Michigan Smelting & Refining Co., Detroit, Mich.
Sil-O-Cel Insulating Compound and Pipe and Boiler Covering. Celite Products Co., Chicago.
Silvabrite Fluxing Metal. United Smelting & Aluminum Co., Inc., New Haven, Conn.
Silvadium Alloy. Landers, Frary & Clark, New Britain, Conn.
Sil-Va-Lac Saxophone Mouthpiece. Naujoks-McLaughlin Co., Los Angeles.
Silvanite Forgings. Columbia Tool Steel Co., Chicago Heights, Ill.
Silva Puts Silver Polish White Paste. American Metal Polish Co., West Somerville, Mass.
Silver Alcohol Stoves, Coffee Mills, Egg and Cream Beaters, Potato Presses, Tumbler Holders. Silver & Co., Brooklyn.
Silver Amalgamated Plates. San Francisco Plating Works, San Francisco.
Silver Beam Searchlights. Williams Mfg. Co., Santa Ana, Cal.
Silver Beam Spot Lights. Chas. Kaufman & Sons, Santa Ana, Cal.
Silver Fox Packings. Strong Machinery & Supply Co., New York.
Silver Genuine Babbitt Metal. Merchant & Evans Co., Philadelphia, Pa.
Silver Gray Marble. Georgia Marble Co., Tate, Ga.
Silver Grey Quality Granite. McGilvray-Raymond Granite Co., San Francisco.
Silver King Elevator Belting. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Silver King Piston Rod Packing. Strong Machinery & Supply Co., New York.
Silver King Ratchet Wrenches. C. M. B. Wrench Co., Garwood, N. J.
Silver King Spark Plugs. Auto Aids Mfg. Co., Chicago.
Silver Lake Chalk and Mason's Lines. Silver Lake Co., Newtonville, Mass.
Silver Lake Sash Cords. Silverlake Co., Newtonville, Mass.
Silver Lake Solid Braided Cordage. Silver Lake Co., Newtonville, Mass.
Silver Leaf Packing. The Diamond Rubber Co., Inc., Akron, O.
Silver Moon Aluminum Paint. Campbell Glass & Paint Co., St. Louis, Mo.
Silver Moon Stoves. Jas. Spear, Stove & Heating Co., Philadelphia, Pa.
Silver Pattern Egg and Cream Beaters. Standard Egg Co., Boston.
Silver Silo Fillers, Band Sawing and Hub Boring Machines and Swing Saws, Agricultural Drilling and Woodworking Machy. Silver Mfg. Co., Salem, Ohio.
Silver Spray Portable Shower. C. A. Boyle & Co., Chicago.
Silver Spring Pig Iron. Central Iron & Steel Co., Harrisburg, Pa.
Silver Steel Saws. E. C. Atkins & Co., Indianapolis, Ind.
Silver Strand Lightning Rods. Electra Lightning Rod Co., Cresco, Ia.
Silver Talc. Innis, Speeden & Co., Inc., New York; Pacific Coast Talc Co., Los Angeles.
Sil-Ver-Ol Metal Polish. Northwestern Chemical Co., Marietta, Ohio.
Silverlin Cordage and Twine. American Mills Co., Atlanta, Ga.
Silvertip Electrodes. National Carbon Co., Cleveland, O.
Silvertip Flame Arc Light Carbons. National Carbon Co., Long Island City, N. Y.
Silvertone Loud Speaker. Stanley & Patterson, New York.
Silvertown Single Tube Pneumatic Tires. B. F. Goodrich Co., Akron, O.
Silverzahn Ensilage Cutters. Gehl Bros. Mfg. Co., West Bend, Wis.
Silvex Roofing. Barrett Co., New York.
Silvor Nickel Silver Wire. Seymour Mfg. Co., Seymour, Conn.
Simco Toilet Seats The Sillcocks-Miller Co., South Orange, N. J.
Simcore Insulated Wire. Simplex Wire & Cable Co., Boston, Mass.
Simmen Electric Railway Signals. Simmen Automatic Railway Signal Co., Buffalo.
Simmons Angle Valves. Simmons Co., New York.
Simmons Floor and Ceiling Plates. John Simmons Co., New York.
Simmons Hand Stoker Dump Grates. The Simmons Manufacturing Company, Wilmington, N. C.
Simmons Hose Cabinets. John Simmons Co., New York.
Simmons Index Centers. Simmons Machine Co., Albany, N. Y.
Simmons Pipe Bending Machines. Frank L. Wells Co., Kenosha, Wis.
Simmons-Moore Sand Boxes. Dayton Mfg. Co., Dayton, Ohio.
Simms Magnetos. Simms Magneto Co., East Orange, N. J.
Simon Film Printing Machinery. General Machine Works, York, Pa.
Simon Pure Mattress. Simon Mattress Mfg. Co., San Francisco.
Simonds Saws. Simonds Saw and Steel Co., Fitchburg, Mass.
Simonds Vacuum Valves, Steam Receiver and Separator. Simonds Heating & Specialty Co., Grand Rapids, Mich.
Simoniz Kleener. The Simoniz Co., Chicago.
Simons Leather Dressing; Top Dressing; Road Oil and Tar Remover. The Simoniz Co., Chicago.
Simon's Track Scrapers. Fifer & Stowell Co., Milwaukee, Wis.
Simonson Log Turners. Challoner Co., Oshkosh, Wis.
Simore Automatic Square. The Simon & Skidmore Mfg. Co., Santa Ana, Cal.
Simplate Metallic Valves. Chicago Pneumatic Tool Co., Chicago.
Simple Automatic Envelope Sealer. The Extensive Mfg. Co., New York.
Simple Boring Tools. Allen & Curtis Co., Benton Harbor, Mich.
Simplex Anthracite Coal Jigs. Wilmot Engineering Co., Hazelton, Pa.
Simplex Ash Gates. R. H. Beaumont Company, Philadelphia, Pa.
Simplex Auto Axles. Adams Truck Foundry & MachineCo., Findlay, O.
Simplex Auto Locks. Simplex Corp., Chicago.
Simplex Automatic Safety Engine and Motor Stops. E. L. Miller Mfg. Co., Kansas City, Mo.
Simplex Bases. The Trolley Supply Co., Massillon, O.
Simplex Batch Mixers and Power Tampers. The Miles Mfg. Co., Jackson, Mich.
Simplex Belt Sanding Machines. Kent Mfg. Co., Faribault, Minn.; Schimmel, Reid & Co., Chicago.
Simplex Bolsters, Couplers, Clasp Brakes, Brake Beams, Coupler Pockets. American Steel Foundries, Chicago.
Simplex Bottle Cleaning Machy. Geo. J. Meyer Mfg. Co., Milwaukee.
Simplex Box Straps. DeHaven Mfg. Co., Brooklyn, N. Y.
Simplex Car, Locomotive, Automobile, Geared Lever, Mine, Industrial, Ratchet, Pole Pulling, Emergency, Truck and Wrecking Jacks. Templeton-Kenly & Co., Chicago.
Simplex Caskey Valves. Yarnall-Waring Co., Philadelphia, Pa.
Simplex Cattle Stanchions, Feed Carriers. F. Rassmann Mfg. Co., Beaver Dam, Wis.
Simplex Chain Hoists. J. G. Speidel, Reading, Pa.
Simplex Clothes Washing Machines, Ironing Machines. American Ironing Machine Co., Chicago.
Simplex Coal Jigs. Wilmot Engineering Co., Hazelton, Pa.
Simplex Cocks. Landers, Frary & Clark, New Britain, Conn.
Simplex Compound System. Franklin Ry. Supply Co., New York.
Simplex Concrete Piles. Simplex Concrete Piling Co., Philadelphia.
Simplex Condensation Meter. American District Steam Co., North Tonawanda, N. Y.
Simplex Controllers. Simplex Valve & Meter Co., Philadelphia, Pa.
Simplex Cork Preparing Outfits. U. S. Bottlers' Machinery Co., Chicago.
Simplex Corn Planters. American Seeding Machine Co., Springfield, O.
Simplex Cultivators. Roderick Lean Mfg. Co., Mansfield, Ohio.
Simplex Ditching Machines and Road Graders. Simplex Farm Ditcher Co., Owensboro, Ky.
Simplex Door Bells. Bradley & Farnham, Middlefield, Conn.
Simplex Door Hangers. Richards-Wilcox Mfg. Co., Aurora, Ill.
Simplex Drainage Fittings and Drains. Hess & Marsh, Los Angeles.
Simplex Electric Cooking Apparatus, Electric Sad Irons, Etc. Simplex Electric Heating Co., Cambridge, 39, Mass.
Simplex Electrical Heating Devices. Simplex Electric Heating Co., Cambridge, Mass.
Simplex Electrode Holder. Gustin-Bacon Manufacturing Co., Kansas City, Mo.
Simplex Expansion Joints. The Kelly & Jones Co., Greensburg, Pa.
Simplex Exterior Car Cleaner Simplex Cleaner Mfg. Co., St. Louis, Mo.
Simplex Ferro-prussiate Sensitizing Machine. C. F. Pease Co., Chicago.
Simplex Fire Extinguishers. David Kahnweiler's Sons, New York.
Simplex Fresnel Sidewalk Lights. American 3 Way-Luxfer Prism Co., Cicero, Ill.
Simplex Furnaces. Monarch Engineering & Mfg. Co., Baltimore, Md.
Simplex Gas, Coal, Steam and Hot Water Heaters. Hydro Heater Co., Pittsburgh.
Simplex Gauge Glass Cutters. Hy. B. Pancoast Co., Philadelphia.
Simplex Grain Weighers. Hart Grain Weigher Co., Peoria, Ill.
Simplex Grass Catchers. F. & N. Lawn Mower Co., Richmond, Ind.
Simplex Hatch Fasteners. Mullholland Hatch Fastener Co., Cleveland.
Simplex Heaters. General Gas Appliance Co., New York.
Simplex Hoisters. Motor Specialties Co., Waltham, Mass.
Simplex Hot Water Radiators. South Park Fdry & Machine Co., St. Paul.

Simplex Household Ironing Machines. Domestic Laundry Equipment Corp., New York.
Simplex Hydraulic Auto Dump Body Hoist. Young Iron Works, Seattle, Wash.
Simplex Injectors. Nathan Manufacturing Company, New York.
Simplex Interior Car Cleaner and Renovator. Simplex Cleaner Mfg. Co., St. Louis, Mo.
Simplex Ironer. American Ironing Machine Co., Chicago, Ill.
Simplex Lamp Burners. Edw. Miller & Co., Meriden, Conn.
Simplex Lathes. Simplex Machine Tool Co., Hamilton, O.
Simplex Lubricants. Nathan Mfg. Co., New York.
Simplex Matting. Keystone Wire Matting Co., Beaver Falls, Pa.
Simplex Mechanical Pencils. Eagle Pencil Company, New York.
Simplex Mechanical Stokers. Roach Stoker Co., Philadelphia.
Simplex Metal Polish. Simplex Cleaner Mfg. Co., St. Louis.
Simplex Meter Devices. Johns-Manville, Incorporated, New York.
Simplex Micrometers. Consolidated Tool Works, New York.
Smplex Muffler Cut-Outs. Anderson Machine Works, Oakland, Cal.
Simplex Nails. H. B. Sherman Mfg. Co., Battle Creek, Mich.
Simplex Oil Heating Systems. Bunting Iron Works, San Francisco, Calif.
Simplex Ore Concentrators. Colorado Iron Works Co., Denver.
Simplex Paint and Varnish Remover. Simplex Remover Co., St. Louis.
Simplex Paper Clips. Noesting Pin Ticket Co., Mt. Vernon, N. Y.
Simplex Pencil Stamping Press. The United Pencil Co., Inc., New York.
Simplex Pipe Joint Clamp. Yarnall-Waring Co., Philadelphia, Pa.
Simplex Pipeless Furnaces. Wise Furnace Co., Akron, Ohio.
Simplex Plumbers' Tanks. Columbus Brass Co., Detroit.
Simplex Power Tamper. Miles Mfg. Co., Jackson, Mich.
Simplex Precision Squares, Surface Plates, Etc. The Simplex Tool Co., Woonsocket, R. I.
Simplex Pump Governors. Godfrey-Keeler Co., New York.
Simplex Pumps. Deming Co., Salem, O.
Simplex Pumps, Pump Stands and Door Hangers. The F. E. Myers & Bro. Co., Ashland, O.
Simplex Receiving Tanks. Godfrey, Keeler Co., New York.
Simplex Regulator. Simplex Heating Specialty Co., Lynchburg, Va.
Simplex Reinforced Concrete Sidewalk Lights. American 3 Way-Luxfer Prism Co., Cicero, Ill.
Simplex Reversible Windows. Kawneer Mfg. Co. of Cal., Berkeley, Cal.
Simplex Riveting Machines. F. H. Smith Mfg. Co., Chicago.
Simplex Rivetless Chain. Cross Engineering Co., Carbondale, Pa.
Simplex Roofing Nails. Crescent Brass & Pin Co., Detroit, Mich.
Simplex Rubber Tire Building Cores. Williams Foundry & Mach. Co., Akron, O.
Simplex-Russell Graders. Russell Grader Mfg. Co., Minneapolis.
Simplex Salt Detector. The McNab Co., Bridgeport, Conn.
Simplex Seamless Steel Tubing. Julius Blum & Co., New York.
Simplex-Seatless Blow-Off Valves and Pipe-Joint Clamps (now Yarway). Yarnall-Waring Co., Philadelphia, Pa.
Simplex Shaper Guards. Zeiller & Nagel, Brooklyn, N. Y.
Simplex Shears Quinn Wire & Iron Works, Boone, Ia.
Simplex Silos. Monroe & Crisell, Portland, Ore.
Simplex Ship Water Closets. Thos. Laughlin Co., Portland, Me.
Simplex Spray Pumps. Hudson Mfg. Co., Minneapolis.
Simplex Steam Gauges. Sterling Dental Mfg. Co., Cambridge, Mass.
Simplex Steam Pumps. Du Bois Iron Works, Du Bois, Pa.
Simplex Steel Taped Cable. Simplex Wire & Cable Co., Boston, Mass.
Simplex Stop and Waste Cocks. Landers, Frary & Clark, New Britain, Conn.
Simplex Supersize Tires. Simplex Rubber Co., Ossining, N. Y.
Simplex Thermo Couples and Pyrometers. The Stupakoff Laboratories, Pittsburgh, Pa.
Simplex Time Recorders. Simplex Time Recorder Co., Gardner, Mass.
Simplex Transom Adjuster. Payson Mfg. Co., Chicago.
Simplex Tubing, Moldings and Steel. Julius Blum, New York.
Simplex Tubular Stands. Simplex Steel Stamping & Mfg. Co., St. Louis, Mo.
Simplex Turbo-Blowers and Turbines. Power Turbo Blower Co., New York.
Simplex Unit Buildings and Homes. Simplex Unit Constr. Co., San Francisco.
Simplex Vacuum Cleaners. Ramey Co., Chillicothe, O.
Simplex Valve Reseating Machines. Williams & Wells Co., New York.
Simplex Vapor Heating Systems. Simplex Heating Specialty Co., Inc., Lynchburg, Va.
Simplex Venturi Water Meters. Simplex Valve & Meter Co., Phila.
Simplex Watchman's Clocks. W. H. Bundy Recording Co., New York.
Simplex Water Works Plants. Baltimore Cooperage Co., Baltimore, Md.
Simplicity Concrete Mixers, Corn and Cob Mills. Turner Mfg. Co., Port Washington, Wis.
Simplicity Cotter Keys. Columbia Nut & Bolt Co., Bridgeport, Conn.
Simplicity Demountable Wheel Attachments. Simplicity Products Mfg. Co., Grand Rapids, Mich.
Simplicity Door Springs. Boehck Lueck Co., Milwaukee, Wis.
Simplicity Engines. Turner Mfg. Co., The, Port Washington, Wis.
Simplicity Engines, Mills. Western Malleable & Gray Iron Mfg. Co., Milwaukee, Wis.
Simplicity Gasoline Lamps. Herman Merkel, St. Louis.
Simplicity, Soldering Paste, Salts and Stick. Brewer & Co., Worcester, Mass.
Simplicity Stage Dimming Rheostats. Cutler-Hammer Mfg. Co., Milwaukee, Wis.
Simplicity Valve Tools. Universal Equipment & Supply Co., Syracuse, N. Y.
Simplimatic Lathes. Gisholt Machine Co., Madison, Wis.
Simpson Bucket Loader; Intensive Foundry Mixer. National Engineering Co., Chicago.
Simpson Vises. Athol Mach. & Foundry Co., Athol, Mass.
Sims Oil Filters. Paul B. Huyette Co., Philadelphia.
Sims Safety Water Columns. Leopold Steigert, Cincinnati.
Sims Tubular Feed Water Heaters. The Sims Co., Erie, Pa.
Sin Cast Iron Griddles. Advance Mfg. Co., Racine Junction, Wis.
Sincerity Hickory Handles. E. B. Estes & Sons, New York.
Sinclair Oils. Sinclair Refining Co., Chicago.
Sinemat Camera. Sinemat Motion Picture & Radio Machine Co., New York.
Singer Concrete Block Machine. The Miles Mfg. Co., Jackson, Mich.
Singl-Blak. Acme White Lead & Color Works, Detroit.
Single-Brown. Acme White Lead & Color Works, Detroit.
Singlelift Truck. Lewis-Shepard Co., Boston, Mass.
Single Stroke Piston Ring Grinders. O. S. Walker Co., Worcester, Mass.
Single Tape Safety Fuse. E. I. du Pont de Nemours & Co., Inc., Explosives and Smokeless Powder Depts., Wilmington, Del.
Single's Speed Limit Engine Stops. Springer & Hargitt, Hamilton, O.
Sinton Lavatories. Crane Co., Chicago.
Sioux Rubber Hose. Republic Rubber Co., Youngstown, O.
Sioux Tools. Albertson Co., Milwaukee, Wis.
Sipe's Combination Japan Oil, Japan Oil, Japan Spirits, Japan Dryers. James B. Sipe & Co., Bridgeville, Pa.
Sipe's Hog Oilers. Sipe Conditioner Mfg. Co., Kansas City, Mo.
Siphon Refrigerators. Bohn Refrigerator Co., St. Paul, Minn.
Sipp Quick-Change-Speed Drill. The Sipp Machine Co., Paterson, N. J.
Sirius Bronze Powder and Bronzing Liquid. U. S. Bronze Powder Wks., Inc., New York.
Sirius Steam Traps. Standard Steam Specialty Co., New York.
Sirocco Blowers and Mechanical Fans. American Blower Co., Detroit, Mich.
Sirocco-Diehl Blowers. Central Electric Co., Chicago.
Sisco Drill and Tool Steel. Federal Tool & Alloy Steel Corp., Brooklyn.
Sisson Insertable Joint. R. Estabrook's Sons, Boston, Mass.
Sites Poultry Coops. Defiance Box Co., Defiance, O.
Situs Baths. Crane Co., Chicago.
Sivyer Steel Castings. Sivyer Steel Casting Co., Milwaukee, Wis.; R. Estabrook's Sons, Boston, Mass.
Siwelco Noiseless Closets. The Walker Mfg. & Supply Co., Detroit, Mich.
600 K Cylinder Oils. Wadham's Oil Co., Milwaukee.
Six-In-One Kitchen Sets. Kohler Die & Specialty Co., De Kalb, Ill.
Six Lever Padlocks. E. T. Fraim Lock Co., Lancaster, Pa.
Six Lever Padlocks. Sargent & Co., New Haven, Conn.
Six Mule Team Gasoline Engines. Associated Mfrs. Co., Waterloo, Ia.
Six-O-Six Rear End and Transmission Lubricants. Kelmit Co., Los Angeles.
Six Point Glides or Slides for Furniture. Waterbury Button Corp., Waterbury, Conn.
Six-Teen Six Quadruple Service Packing. Strong Machinery & Supply Co., New York.
Six Wheel Trucks Hot Metal Cars. Pennsylvania Engineering Works, New Castle, Pa.
Sixty-One Varnish. Pratt & Lambert, New York.
Sizol Sizings, Dressings and Softeners. Seydel Chemical Co., Jersey City, N. J.
Skaboo Garden Cultivators, Wheel Garden Hoes. Ohio Cultivator Co., Bellevue, O.
Skagit Steel Castings. Skagit Steel & Iron Works, Sedro-Wooley, Wash.
Skandia Engines. Skandia Engineering Co., Seattle, Wash.
Skandia Gasoline Marine Engines. Pac-Diesel Engine Co., Oakland, Cal.
Skandia Fuel Oil Marine Engines. H. S. Johannsen, New York.
Skandia Marine Oil Engines. J. H. Hansen & Co., San Francisco, Cal.
Skayef Ball Bearing, Transmission Appliances. S K F Industries, Inc., New York.
Skayl-Deth Chemical Boiler Cleaners. Cleveland Flue Cleaner Manufacturing Co., Cleveland.
Skelton Electric Bells. Stanley & Patterson, New York.
Skelton Shovels. J. C. McCarty, New York.
Skene Boat Chocks. Wilcox, Crittenden & Co., Inc., Middletown, Conn.
Skidnot Tire Chains. United States Chain & Forging Co., Pittsburgh, Pa.
Skidoo Polish. Mutual Auto Accessories Co. of America, New York.
Skihi Packing and Gaskets. Quaker City Rubber Co., Philadelphia, Pa.
Skilsaw. Michel Electric Hand Saw Co., Chicago.
Skimer Dairy Apparatus. Vermont Farm Mach. Co., Bellows Falls, Vt.
Skin Cote Piano Varnishes. Glidden Co., Cleveland.
Skinner Chucks, Drilling Machine Vises. Skinner Chuck Co., New Britain, Conn.
Skinner Pipe Clamps; Pipe Benders; Pipe Saddles; Valve Reseating Tools. M. B. Skinner Co., Chicago.
Skinner Stove Heaters. Skinner Bros. Mfg. Co., Inc., St. Louis, Mo.
Skinner's Gauge Glass Cutters. Skinner & Connolly, Yonkers, N. Y.
Skipper Motors. Gray-Hawley Mfg. Co., Detroit, Mich.
Skookum Apple Butter and Jam. Puyallup & Sumner Fruit Growers Canning Co., Puyallup, Wash.
Skookum Piston Rod and Red Sheet Packing. Pioneer Rubber Mills, San Francisco, Cal.
Skookums Cross Expansion Packing. Sechansen, Wehrs & Co., Chicago.
Skoots Children's Vehicles. B. & B. Mfg. Co., Racine, Wis.
Skrooz-On File Handles. Safety Handle Co., Stockton, Cal.
Skylark Gasolene and Kerosene. Kansas City Refining Co., Kansas City, Kan.
Sky-Rocket Lightning Arrester. Chance Company, Centralia, Mo.
Slack Line Excavators. Cable Excavator Co., Philadelphia.
Slack's System of Locomotive Lubrication. Locomotive Lubricator Co., Chicago.
Slasher Cotton Mops. Estes Mills, Fall River, Mass.
Slaterock Blackboards. Beckley-Cardy Co., Chicago.
Slatington Best Iron Bar. Slatington Iron & Steel Co., Slatington, Pa.
Slatington Norway Iron Bar. Slatington Iron & Steel Co., Slatington, Pa.
Slatington Staybolt Iron Bar. Slatington Iron & Steel Co., Slatington, Pa.
Slatex Roofing. The Ruberoid Co., New York, Chicago and Boston.
Slatoplate Blackboards. Beckley-Cardy Co., Chicago.
Slaymaker Padlocks. Fraim-Slaymaker Hardware Co., Inc., Lancaster, Pa.
Slayman Folding Presses. Slayman & Co., Baltimore.
Slect-O-Phone Interior Telephones. Screw Machine Products Co., Providence, R. I.
Sleeper Anchors. Kalman Steel Co., Chicago.
Sleeper Gold Paint. Fred S. Sleeper, Chicago.
Sleeper Vacuum and Atmospheric Drying Apparatus; Stills and Chemical Plant Equipment. O. S. Sleeper & Co., Inc., Buffalo, N. Y.
Sleeth Adjustable Steel Mat. Fernald Mfg. Co., North East, Pa.
Slick Cultivators. Hayes Pump & Planter Co., Galva, Ill.
Slick Steel Mine Ties. Cambria Steel Co., Philadelphia, Pa.
Slideasy Extension Clothing Carriers. Knape & Vogt Mfg. Co., Grand Rapids, Mich.
Slidetite Door Hardware. Richards-Wilcox Mfg. Co., Aurora, Ill.
Slidewell Furniture Shoes. Turner & Stanton Co., Norwich, Conn.
Sligo Pig Iron. Sligo Furnace Co., St. Louis, Mo.
Sliko Cleaning Material. N. R. McAfee, Pittsburgh, Pa.
Slikup Kote Carriage Top Dressing. N. B. Arnold, Brooklyn.
Slikup Metal Polish, Carriage Top Dressing. N. B. Arnold, Brooklyn.
Slip-Knot Belt Dressing. Webb Belting Co., Kansas City, Mo.
Slip Not Water, Steam and Oil Proof Leather Belting. The Buckeye Belting & Supply Co., Cleveland, O.
Slip-proof Belt Dressing. Consumers Rubber Co., Cleveland, O.
Slip Pump Valves. The Diamond Rubber Co., Inc., Akron, O.
Slippery Slim Toys. American Flyer Mfg. Co., Chicago.
Sloan Flushing Valves. Sloan Valve Co., Chicago.
Sloane Elect. Vacuum Cleaner. W. & J. Sloane, New York.

Sloan Sleet Cutters. Electrical Material Co., Chicago.
Sloan's Superior Pumping Engines. Sam'l Sloan & Co., Rochester, N. Y.
Slocomb Micrometer Calipers and Combination Center Drills. J. T. Slocomb Co. (Div. of Union Twist Drill Co.), Providence, R. I.
Slope Sheet Horizontal Coal Pushers. Locomotive Stoker Co., Pittsburgh, Pa.
Sloss Pig Iron. Sloss, Sheffield Steel & Iron Co., Birmingham, Ala.
Sly Foundry Equipment. W. W. Sly Mfg. Co., Cleveland, O.
Smalley Cutters. Smalley Mfg. Co., Manitowoc, Wis.
Smilax Pencils. Eagle Pencil Company, New York.
Smillie Lathe Church. C. M. Smillie & Co., Detroit, Mich.
Smallwood Heat Treating Furnaces. Industrial Furnace Corp., Boston.
Smasher Clod Crushers. Rock Island Plow Co., Rock Island, Ill.
Smearless Carbon Paper. Vacuo-Static Carbon Co., Rochester, N. Y.
Smirchless Carbon Paper. H. M. Storms Co., New York.
Smith & Winchester Sample Cutting and Pinking Machines. Durbrow & Hearne, New York.
Smith Automobile Belts. Manning J. Smith Belting Co., Philadelphia.
Smith Bin Gates, Tubular Boilers, Concrete, Fertilizer, Glass Batch, Mortar and Plaster Mixers; Concrete Elevators, Gasoline and Kerosene Engines, Excavators and Loaders, Fertilizer and Glass House Machy. T. L. Smith Co., Milwaukee.
Smith Boilers. The H. B. Smith Co., Westfield, Mass.
Smith Box Car Loaders. Link-Belt Co., Chicago.
Smith Canvas Tread Tires. Smith Canvas Tread Tire Co., Utica, N. Y
Smith Combination Pipe Vises and Steam and Hot Water Heaters. H. B. Smith Co., Westfield, Mass.
Smith Concrete Mixers. T. L. Smith Co., Milwaukee, Wis.
Smith Corn Planters, Feed and Straw Cutters, Peanut Separators. Cardwell Machine Co., Richmond, Va.
Smith Cylinder Drainers. American Safety Lamp & Mine Supply Co., Scranton, Pa.
Smith-Durbush Textile Machinery and Supplies. Proctor & Schwartz, Inc., Philadelphia, Pa.
Smith Elevator Door Hangers, Improved Stall Floors. F. P. Smith Wire & Iron Works, Chicago.
Smith Farm Wagons. Smith Mfg. Co., La Crosse, Wis.
Smith Feed Cutters. Glasesck Stove & Mfg. Co., Greensboro, N. C.
Smith Fly Swatters. Atlas Mfg. Co., New Haven, Conn.
Smith Form-A-Truck Truck Units. Smith Form-A-Truck Co., Chicago.
Smith-Furbush Textile Machines and Supplies. Proctor & Schwartz, Inc., Philadelphia.
Smith Gas Producers. The Smith Gas Engineering Co., Dayton, O.
Smith Hatters' Valves. McNab & Harlan Mfg. Co., Patterson, N. J.
Smith Hoist and Barb Wire Stretcher. C. F. Smith Mfg. Co., De Kalb, Ill.
Smith Hose Clamp Tool. Hardsoeg Wonder Drill Co., Ottumwa, Ia.
Smith Hydraulic Turbines. Smith Co., S. Morgan, York, Pa.
Smith Improved Boilers. Samuel Smith & Son Co., Paterson, N. J.
Smith Jacks, Mills, Powers and Tanks. **Smith & Pomeroy Wind Mill** Co., Kalamazoo, Mich.
Smith Lamps. F. A. Smith Mfg. Co., Rochester, N. Y.
Smith Logging Blocks and Engines. Smith & Watson Iron Works, Portland, Ore.
Smith Motor Wheel. A. O. Smith Corp., Milwaukee, Wis.
Smith Pipe Threading Dies. S. W. Card Mfg. Co., Mansfield, Mass.
Smith Premier Typewriters. Remington Typewriter Co. New York.
Smith Pressed Steel Frames. A. O. Smith Corp., Milwaukee.
Smith Rail Drills. Walworth Mfg. Co., Boston, Mass.
Smith Reamers. Wm. J. Smith Co., New Haven, Conn.
Smith Sealed Leg Bands (for Poultry). The Keyes-Davis Co., Battle Creek, Mich.
Smith Shot Guns. Hunter Arms Co., Fulton, N. Y.
Smith Steam Traps. Robt. C. Johnson & Co., Cincinnati, O.
Smith System Heaters. Smith System Heating Co., Minneapolis.
Smith Tapping Apparatus. A. P. Smith Mfg. Co., East Orange, N. J.
Smith Tie Renewers. The P & M. Co., Chicago.
Smith Turbine Water Wheels. S. Morgan Smith Co., York, Pa.
Smith Type Hill Friction Clutches. Hill Clutch Machine & Foundry Co., Cleveland.
Smith's Belt Fasteners. H D. Edward & Co., Detroit, Mich.
Smith & Hess Pitman for Oil Wells. Madsen Iron Works, Huntington Park, Cal.
Smith's Countersinks. M. W. Robinson Co., New York.
Smith's Hoes. Union Fork & Hoe Co., Columbus, O.
Smith's Hot Water Heating Specialties. Charles Smith, Chicago.
Smith's Hydraulic Turbines. S. Morgan Smith Co., York, Pa.
Smith's Index Tabs and Guides. Chas. C. Smith, Exeter, Neb.
Smith's Ideal Pruning Shears. Smith, Seymour & Son, Oakville, Conn.
Smith's Improved Exit Door Locks, Sash Locks, Window Sash Pivots. Frank F. Smith Hardware Co., Newark, N. J.
Smith's Music Wire. Montgomery & Co., Inc., New York.
Smith's Pipe Vise Stands. Strand Heater & Mfg. Co., Cleveland.
Smith's Twister Stop Motions. Draper Corp, Hopedale, Mass.
Smith's Woodworking Machinery. H. B. Smith Machine Co., Smithville, N. J.
Smithcrete Concrete Reinforced Columns. A. L. Smith Iron Wks., Chelsea, Mass.
Smitheco Wrenches. F. L. Smithe Machine Co., Inc., New York.
Smithicks Belt Fasteners. F. P. Smith & Co., Sharon Hill, Pa.
Smith-Vaile Filter Presses. Worthington Pump & Machinery Corporation, New York.
Smith-Vaile Steam Pumps and Pumping Engines. Platt Iron Works Co., Dayton, O.
Smokeless Wonder Steam Heaters. Ideal Mfg. & Supply Co., Oskaloosa, Ia.
Smoky City Packings. American Steam Packing Co., Boston, Mass. Pilley Packing & Flue Brush Mfg. Co., St. Louis, Mo.
Smooth-Kut Expansion Reamers. Millersburg Reamer & Tool Co., Millersburg, Pa.
Smooth-On Compounds. Smooth-On Mfg. Co., Jersey City, N. J.
Smoothtop Ranges. Wm. M. Crane Co., New York.
Smyrna Front Brick. Auburn Shale Brick Co., Auburn, Pa.
Snake Air Hose. O. C. Keckley Co., Chicago.
Snap Catch Porcelain Sockets and Receptacles. General Electric Co., Schenectady, N. Y.
Snap Molders Flasks. Hill & Griffith Co., Cincinnati.
Snap Over Wire Test Connectors. Fahnestock Electric Co., L. I. City, N. Y.
Snap Piston Rings. McQuay-Norris Co., St. Louis.
Snap Screw Pitch Gauges. Wood & Spencer Co., Cleveland.
Snaplock (fasteners on tape). Empire Notion Company, New York.
Snaplock Rail Anchor. Anchor Company, Milwaukee, Wis.
Snapon Efficiency Rail Anchors. Anchor Company, Milwaukee, Wis.
Snappy Foot-Set Rat and Mouse Traps. Snappy Mfg. Co., Harvard, Ill.
Snead Bookstacks. Snead & Co. Iron Works, (Inc.), Jersey City, N. J.
Snecker Gas Engines. Stamford Motor Co., Stamford, Conn.
Snell Augers, Gimlets, Bits. Snell Mfg. Co., Fiskdale, Mass.
Sno-Bak Corrugated Sheets, Circles and Rolls. Clark Paper & Mfg. Co., Rochester, N. Y.
Snolite, a white pigment paste paint. Pittsburgh Plate Glass Co., Paint and Varnish Division, Milwaukee, Wis.
Snolite Paints and Enamels. Patton Paint Co., Milwaukee, Wis.
Snow Ball Ice Cream Freezer. Richmond Cedar Wks., Richmond, Va. Co., Fitchburg, Mass.
Snowdrift Hydrated Lime. Dittlinger Lime Co., New Braunfels, Tex.
Snow E. White Clothes Washing Machines. H. F. Brammer Mfg. Co., Davenport, Ia.
Snow Flake Illuminating Oil. Tide Water Oil Co., New York.
Snowflake Packing and Valves. Wm. L. McLellan, Norwalk, Conn.
Snow Flake Polish. General Platers' Supply Co., Inc., Brooklyn, N. Y.
Snowflake Cocoanut Oil. El Dorado Oil Works, San Francisco.
Snow Flake Library Paste. L. H. Thomas Co., Chicago, Ill.
Snow Flake Lime. Rochester Lime Co., Rochester, N. Y.
Snow Flake Plumbers' and Mining Candles. Standard Oil Co. of N. Y. New York.
Snow Flake Soldering Salts. Grasselli Chemical Co., Cleveland.
Snowflake Tissue Paper. McNulty Paper & Twine Corp., Chicago.
Snow-Holly Pumps. Worthington Pump & Mach. Corp., New York.
Snowman Beet Sugar. Alameda Sugar Co., San Francisco.
Snowmobile Attachment. Snowmobile Co., Inc., West Ossipee, N. H.
Snow-Moore Water Cranes. T. W. Snow Construction Co., Chicago.
Snow Oil Engines. Worthington Pump & Mach. Corp., New York.
Snow Switch Stands. Ramapo Iron Works, Hillburn, N. Y.
Snow Water Wheel Governors. Cohoes Iron Fndy. & Mach. Co., Cohoes, N. Y.
Snow White Artificial Stone Laundry Tubs. Chicago Granitine Mfg. Co., Chicago.
Snow White Gypsum Paper Fillers. U. S. Gypsum Co., Chicago.
Snow-White Illuminating Glassware. Inland Glass Co., Chicago.
Snow-White Phosphate. Iliff-Bruff Chemical Co., Hoopeston, Ill.
Snow-White Pyralin Seats. C. F. Church Mfg. Co., Holyoke, Mass.
Snowhite Under Coat Paints. Atlastic Paint Mfg. Co., Minneapolis.
Snug Luncheon Chairs and Tables. Snug Seat Co. of America, Pittsburgh.
Snyder Drilling Machinery. J. E. Snyder & Sons, Worcester, Mass.
Snyder G. & A. Stud Drivers. Snyder Mfg. Co., Detroit.
Snyder's Hot Air Registers. Hess-Snyder Co., Massillon, Ohio.
Soaparatus Liquid Soap Dispensing System. West Disinfecting Co., New York.
Soaperior Gravity Liquid Soap Dispensing System, Liquid Soap. U. S. Sanitary Specialties Corp., Chicago.
Soapexe Scrubbing Compound. U. S. Sanitary Specialties Corp., Chicago.
Soapitor System. Soapitor Company, Inc., New York.
Soaposo Soap. Standard Chemical & Supply Co., East Cambrdge, Mass.
Soap-O-Zon Liquid Soap. National Paper Products Co., San Francisco, Cal.
Soapurns Liquid Soap Dispensers. Chas. Morrill, Inc., New York.
Soaptank Liquid Soap Dispensers. Charles Morrill, Inc., New York.
So-Bos-So Killy Insect Sprayers. H. E. Allen Mfg. Co., Inc., Carthage, N. Y.
Soc Ket Wrenches. Will B. Lane Unique Tool Co., Chicago.
Socket Row Locks. Thos. Laughlin Co., Portland, Me.
Socony Petroleum Products. Standard Oil Co. of New York, New York.
Sodiphene. Sodiphene Company, The, Kansas City, Mo.
So-E-Z Dress Fasteners. The Autoyre Co., Oakville, Conn.
So-Easy-To-Fix Pumps and Cylinders. Red Jacket Mfg. Co., Davenport, Iowa.
So-Easy Loose Leaf Ledgers; Envelope and Stamp Moisteners. Mohler, A., Chicago.
So-Ezy Lawn Swings. Williams Mfg. Co., Macon, Ga.
So-e-zy Stains, Enamels, etc. J. T. Painter Co., McKeesport, Pa.
So Handy Pocket Knife Tool Kits. Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
Soferalco Electrolytic Ferro Silicon. Southern Ferro Alloys Co., Chattanooga.
Soferalco 50% Ferro Silicon. Shawinigan Products Corporation, New York.
Sof-Tone Wall Finish. Boydell Bros. White Lead & Color Co., Detroit.
Soft Spots Heel Cushions. Essex Rubber Co., Trenton, N. J.
Soho Brands of Iron. Wetherell Bros. Co., Cambridge, Mass.
Soho Self-Hardening Steel. Hobson, Houghton & Co., Ltd., New York.
Soho Staybolt Iron. Brown & Co., Inc. Pittsburgh, Pa
Soil Feeder Fertilizer Distributors. Leavitt Mfg. Co., Urbana, Ill.
Soiloff Dry Cleaner. Essential Novelty Co., New York.
Soiloff Hand Soap. R. M. Hollingshead Co., Camden, N. J.
Solace Steam Engines. Howard & Morse, New York.
Solace Tubular Gasket. Cincinnati Rubber Mfg. Co., Cincinnati, O.
Solano Steam Engines. Howard & Morse, New York.
Solar Belt Dressing. Barnum Bros. Co., Troy, N. Y.
Solar Electric Blowers. The Electric Mfg. Co., San Francisco, Cal.
Solar Gas and Oil Lamps, Automobile Headlights, Acetylene Searchlights. C. M. Hall Lamp Co., Detroit.
Solar Ground Stoves. Sanitary Heating Co., Brooklyn.
Solar Headlights. Badger Brass Co., New York.
Solar Kerosene Lamp Burners. Edw. Miller & Co., Meriden, Conn.
Solar Milk Shipping Cans. Solar-Sturges Mfg. Co., Chicago.
Solar Packing. Home Rubber Co., Trenton, N. J.
Solar Self-Closing Receptacle. Solar-Sturges Mfg. Co., Chicago.
Solar Soap Powder. American Scrubbing Equipment Co., Hannibal, Mo.
Solarine Metal Polish. Solarine Co., Baltimore, Md.
Solarite White Kalsomine. The Reardon Co., St. Louis, Mo.
Solcut Metal Cutting Lubricant. E. F. Houghton & Co., Philadelphia, Pa.
Soldco Leather Preservative. Duntley-King Pneumatic Tool Company, Chicago.
Soledine Salts, Soldering Paste. Central Stamping Co., New York.
Sol De Noche Gasoline Lanterns. American Gas Machine Co., Inc., New York.
Solderine Soldering Salts. Central Stamping Co., New York.
Solder-Iron Plumbers' Solder. Kahn Bros., Brooklyn, N. Y.
Soldura Paints. Solar Compounds Corp., Newark, N. J.
Sol-Esco Cleaning Compound. The Cowles Detergent Co., Lockport, N. Y.
Solfrunt High Pressure Gas Gauges. U. S. Gauge Co., New York.
Solid Back Brushes. Standard Brush Co., New Hartford, Conn.
Solid Center Auger Bits. J. Swan Co., Seymour, Conn.
Solid Comfort Farm Trucks. International Harvester Co. of America, Inc., Chicago.
Solidhed Thumb Tacks and Eyelets. Solidhed Tack Co., New York.
Solid Head Thumb Tacks. Noesting Pin Ticket Co., Mt. Vernon, N. J.
Solidity Automobile Repairing Jacks. J. W. Prescott & Son, Webster, Mass.

Solid Steel Polished Hotel Ware. Cleveland Stamping & Tool Co., Cleveland.
Solite Carbon Paper. De El Mfg. Co., New York.
Solite Wire Glass. The Western Glass Co., Streator, Ill.
So-Luminum Solder Aluminum. So-Luminum Mfg. & Engng. Co., New York.
Solus Radiators. National Radiator Co., Johnstown, Pa.
Sol-Lux Street Lighting Fixtures. Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
Sol-O-Kre Coal Tar Disinfectant. Rochester Germicide Co., Rochester, N. Y.
Solo Self Inking Stamps Pads. Peerless Carbon & Ribbon Mfg. Co., Inc., New York.
Soloto Liquid. Hydro-Bar Waterproofing Co., New York.
Solox Anti-Freeze Denatured Alcohol. Kentucky Distilleries & Warehouse Co., Inc., New York.
Solozone Oxygen Material. Roessler & Hasslacher Chemical Co., New York.
Solshine Metal Polish. Solshine Mfg. Co., Boston.
Soltex Solid Woven Cotton Belting. Bonner & Barnewall, Inc., New York.
Solvay Alkali; Snow Flake Crystals. Solvay Process Co., Syracuse, N. Y.
Solvay Protective Paint. Semet-Solvay Co., Syracuse, N. Y.
Solvenol. Hercules Powder Co., Wilmington, Del.
Solvine Water Treatment. Belting Chemical & Mfg. Co., Chicago.
Solvink Drawing Ink Remover. Haberly Products Co., Brooklyn, N. Y.
Solvit Paint Removers. Mudge & Co., Chicago.
Solvol Boiler Compounds. Duryea Mfg. Co., Bayonne, N. J.
Sol Vol Ine Lubricating Oils. Phoenix Oil Co., Cleveland, O.
Solvonon Pulley Covering. U. S. Pulley Covering Co., New York.
Solvor Naphtha Solvent. Brewer & Co., Worcester, Mass.
Somerset Copper Washers. Metallo Gasket Co., New Brunswick, N. J.
Somerset Hot Water Radiators. Nat. Radiator Co., Johnstown, Pa.
Somerset Syphon Jet with Integral Seat Water Closets. Central Metal & Supply Co., Baltimore, Md.
Sonderglas Gauge Glasses. A. W. Chesterton Co., Boston, Mass.
Sonnecote Roofing. L. Sonneborn Sons, New York.
Sonnelub Oils. L. Sonneborn Sons, New York.
Sonograph Projection Apparatus. L. E. Knott Apparatus Co., Cambridge, Mass.
Sonoscope Trouble Finders. American Electric Co., Chicago.
Sootless Spark Plugs. The Oakes & Dow Co., Boston, Mass.
Soot-Sucker Boiler Cleaners. John S. Bushnal & Co., New York.
Sopejeli Car Cleaning Soap. U. S. Sanitary Specialties Corp., Chicago.
Sop-O-Zon Liquid Soap and Soda Dispensers. Bobrick Chemical Co., Los Angeles, Calif.
Sorge-Cochrane Water Softeners. Harrison Safety Boiler Wks., Philadelphia, Pa.
Sorsinc Radio B Batteries. Ship Owners Radio Service, New York.
Soss Invisible Hinges for Pianos, Cabinets, House Doors and Caskets. Soss Mfg. Co., Brooklyn, N. Y.
Sotter's Steam Heaters. Sotter Bros., Pottstown, Pa.
Soule Steam Feeds. Soule Steam Feeds Wks., Meridian, Miss.
Sound Tubes and Tires. Sound Rubber Co., Tacoma, Wash.
South African Creedmore Scythe Snaths. Seymour Mfg. Co., Seymour Ind.
South Allen Jelly Evaporators. Hydraulic Press Mfg. Co., Mt. Gilead, O
South American Horse Hair. Geo. Willcomb Co., Boston.
South Bend Alfalfa Cultivators, Potato Diggers. South Bend Chilled Plow Co., South Bend, Ind.
South Bend Arrestors. South Bend Spark Ar. Co., South Bend, Ind.
South Bend Coaster Wagons. South Bend Toy Mfg. Co., South Bend, Ind.
South Bend Double Duty Tractors; Double Duty Fire Apparatus. South Bend Motor Car Works, South Bend, Ind.
South Bend Engine Lathes. South Bend Lathe Works, South Bend, Ind
South Bend Fabric Rubber Tires and Tubing. Odell Rubber Co., South Bend, Ind.
South Bend Watches. South Bend Watch Co., South Bend, Ind.
South Bros. Guarantee Baggage Trunks and Suit Cases. South Bros. Trunk Co., Waco, Texas.
South Penn Pipe Joints. National Tube Co., Pittsburgh, Pa.
South Pittsburgh Pig Iron. Tennessee Coal, Iron & Railroad Co., Birmingham, Ala.
Southbury Plows. Wm. & Hy. Bronson, Roxbury, Conn.
Southdown Packing. Crandall Packing Co., Palmyra, N. Y.
Southern Beauty Enameled Bath Tubs, Sinks and Trays, Lavatories and Fittings and Drinking Fountains. Crane Enamelware Co., Chattanooga, Tenn.
Southern Crescent Anvils, Sad Irons. Southern Skein & Foundry Co., Chattanooga, Tenn.
Southern Fire Brick. Thomas Moulding Brick Co., Chicago.
Southern Girl Cook Stoves. B. C. Bibb Stove Co., Baltimore, Md.
Southern Grain Drills, Rice Planting Drills. Wm. Fetzer Co., Springfield, Ill.
Southern Home Paint. F. J. Cooledge & Sons, Atlanta, Ga.
Southern Motor Trucks. Southern Truck & Car Corp., Greensboro, N. C.
Southern Queen Garden Cultivators. Ohio Cultivator Co., Bellevue, O.
Southern Queen Stoves and Ranges. Mountain City Stove & Mfg. Co., Chattanooga, Tenn.
Southern Road Scrapers. Chattanooga Wheelbarrow Co., Chattanooga, Tenn.
Southern Saw. Southern Saw & Machy. Works (Inc.), Atlanta, Ga.
Southern Star Pumps. Goulds Mfg. Co., Seneca Falls, N. Y.
Southern States Portland Cement. Southern States Portland Cement Co., Rockmont, Ga
Southern Style Windlasses. Thos. Laughlin Co., Portland, Me.
Southern Wheelbarrows. The Lansing Company, Lansing, Mich.
Southern Woven Wire Fence. Gulf States Steel Co., Birmingham, Ala.
Souther's Metallic Shingles. E. F. Souther Iron Co., St. Louis.
Southland Cultivators. Kingman Plow Co., Peoria, Ill.
Southland Meter Boxes. H. W. Clark, Mattoon, Ill.
Southwark-Harris Air Compressors. Southwark Foundry & Machine Co., Philadelphia.
Southwark Hydraulic Machinery and Power Tools. Southwark Foundry & Machinery Co., Philadelphia, Pa.
Southwark-Mason Washer Press. Jos. M. Mason Machine Co., Philadelphia, Pa.
Southwark-Rateau Steam Turbines. Southwark Foundry & Machine Co., Philadelphia.
Southwick Row-Locks. Wilcox, Crittenden & Co., Inc., Middletown, Conn.
Southworth Paper Punching and Turret Screw Machinery. Southworth Machine Co., Portland, Me.
Southworth Paper Testers. Illinois Iron & Bolt Co., Carpentersville, Ill.
Sovereign Acid Proof Belting Mfrs., Gum and Fibrous Gaskets, Packing Mfrs. and Sheet Packing. Darcoid Co., New York.
Sovereign Bath Tubs. Kohler Co., Kohler, Wis.
Sovereign Hot Water Radiators. H. B. Smith Co., Westfield, Mass.
Sovereign Packing and Hose. Dominion Asbestos & Rubber Corp., New York.
Sovran Brass Pins. Oakville Co., Waterbury, Conn.
Spadone Edge Belting. Gutta Percha & Rubber Mfg. Co., New York.
Spalding Bolster Springs. E. B. Adams & Son, Racine, Wis.
Spalding Potato Planter; Bolster Springs. Hirsch Bros., Milwaukee.
Spangler Fire Extinguishers. Spangler Mfg. Co., York, Pa.
Spare's Manganese Bronze Alloys, Rods and Sheets. American Manganese Bronze Co., Philadelphia.
Spargo Bronze and Copper Window Screen. Spargo Wire Co., Rome, N. Y.
Spark "C" Automobile Accessories. Westinghouse Lamp Co., New York.
Spark Coil Piles. Nicholson File Co., Providence, R. I.
Spark-No Auto Locks. Motor Lock Co. of America, Pittsburgh, Pa.
Spark Stoves. Hammer-Bray Co., Oakland, Cal.
Sparkite Contact Points. K. W. Ignition Co., Cleveland.
Sparkless Woven Wire Brushes. Barkelew Electric Mfg. Co., Middletown, Ohio.
Sparklets Spark Caps. Chance Company, Centralia, Mo.
Spar-Oak Belting. Graton & Knight Mfg. Co., Worcester, Mass.
Spark Point Nickel. Electrical Alloy Co., Morristown, N. J.
Sparkrite Gasoline. Thompson Oil Co., Oshkosh, Wis.
Sparta Binder Covers. Sparta Plow Works, Sparta, Ill.
Spartan Alcohol Blow Torches. Carleton Co., Boston.
Spartan Belting. Graton & Knight Mfg. Co., Worcester, Mass.
Spartan Chain Pipe Wrenches. The Drop Forging Co. of N. Y., Jersey City, N. J.
Spartan Electrical Receptacles and Plugs. Bryant Electric Co., Bridgeport, Conn.
Spartan Hack Saw Blades. Spartan Saw Works, Springfield, Mass.
Spartan Hose and Matting. Goodall Rubber Co., Philadelphia, Pa.
Spartan Kitchen Enameled Ware. Crunden-Martin Mfg. Co., St. Louis.
Spartan Leather Belting. Edw. R. Ladew Co., Inc., New York.
Spartan Lubricators. Wm. Powell Co., Cincinnati.
Spartan Type Metal, Linotype, Monotype, Stereotype, etc. Merchants & Evans Co., Philadelphia.
Spartan Wood Stains. Marietta Paint & Color Co., Marietta, Ohio.
Spar-Tap Two-Way Sockets. Bryant Electric Co., Bridgeport, Conn.
Spar-Tite Varnish. Adams & Elting Co., Chicago.
Sparton Electric Automobile Horns. Sparks Withington Co., Jackson, Mich.
Sparton Fuel Feeders. Sparks-Withington Co., Jackson, Mich.
Sparton Signals. Sparks-Withington Co., Jackson, Mich.
Spauldings Bakelite Duresto; Oil and Water Packing; Super Grey (Fibre). Spaulding Fibre Co., Inc., Tonawanda, N. Y.
Spaulding's Fether-Lyte Shoe-Trees. Kennebunk Mfg. Co., Milton, N. H.
Speakman Compression Cocks, Laboratory Valves, Bath Wastes. Speakman Supply & Pipe Co., Wilmington, Del.
Speakman Showers and Wash-Ups. Speakman Co., Wilmington, Del.
Spear's Heaters and Ranges. James Spear Stove & Heating Co., Philadelphia, Pa.
Speare's Metal Polish. Alden Speare's Sons Co., Cambridge, Mass.
Spear Head Harrows. Wm. Fetzer Co., Springfield, Ill.
Spearwell Road Machinery. Spears-Well Mach. Co., Oakland, Cal.
Specer Joints. Specer Universal Joint Mfg. Co., Plainfield, N. J.
Special Anvils. Fisher & Norris, Trenton, N. J.
Special Black Waterproof Belting. Wm. Etsweiler & Co., Philadelphia, Pa.
Special Brand Paper. Miller-Bryant-Pierce Co., Aurora, Ill.
Special Canvas Stitched Belting. Victor-Balata & Textile Belting Co., New York.
Special Carbon Paper. J. A. Heale & Co., New York.
Special Chrome Bearing Steel for Ball Races. Hammond Steel Co., Inc., Syracuse, N. Y.
Special Elevator Rubber Belting. N. Y. Rubber Co., New York.
Special Excelsior Belting. Boston Belting Corp., Boston.
Special Feed Cutters. D. F. Tanner, Holland, N. Y.
Special High Grade Forging Billets. The Andrews Steel Co., Newport, Ky.
Special High Speed Steel. Columbia Tool Steel Co., Chicago Heights, Ill.
Special Leather Belting. Moloney Belting Co., Chicago.
Special No. 1 Dynamite. Hercules Powder Co., Wilmington, Del.
Special Oxide of Zinc. The New Jersey Zinc Co., New York.
Special Padlocks. Fraim-Slaymaker Hardware Co., Lancaster, Pa.
Special Planer Belting. Grafton & Knight Mfg. Co., Worcester, Mass.
Special Planer Leather Belting. Hudson Belting Co., Worcester, Mass.
Special Red Automobile Inner Tubes. National Rubber Co., Pottstown, Pa.
Special Round Belting. Johnson Belting Co., New York.
Special Spinner Leather Belting. Akron Belting Co., Akron, O.
Special Tan Leather Belting. Bickford & Francis Belting Co., Buffalo, N. Y.; W. S. Nott Co., Minneapolis.
Special Tool Grinders. B. L. Fry Mfg. Co., St. Louis.
Special Tool Steel, the Best Grade of Straight Carbon Steel. Holcomb Steel Co., Syracuse, N. Y.
Special Water Columns. Nason Mfg. Co., New York.
Special Woodworking Leather Belting. Bonner & Barnewall, Inc., New York.
Specification Roofing Pitch, and Tarred Felt. Barrett Co., New York.
Speco Air Moisteners. Specialty Mfg. Co., St. Paul, Minn.
Speco Soldering Acid, Fluid, Flux, Paste, Salts and Sticks. Special Chemicals Co., Highland Park, Ill.
Spectrum Flooring. John H. Shipway & Bro., New York.
Spe-de-cal Name Plates. Decalco Litho Company, Inc., New York.
Spe-De-Shyne Metal Polish. Cleanola Co., Pittsburgh.
Speed-Mo Moisteners. Rivet-O Mfg. Co., Orange, Mass.
Speed Portland Cement. Louisville Cement Co., Louisville, Ky.
Speedaumatic Addressing Machine. The Speedaumatic Co., Chicago.
Speedboy Motor Trucks. Traffic Motor Truck Corp., St. Louis.
Speedcrane Cranes. Moore Bros., Chicago.
Speedmarvel Woodworking Machines. Hutchinson Mfg. Co., Inc., Norristown, Pa.
Speednut Wrench. Speednut Wrench Corp., Chicago.
Speedo Cutting Compounds. Damascus Mfg. Co., Cleveland.
Speedograph. Distance Speed Recording Co., New York.
Speedograph Duplicator. Beck Duplicator Co., New York.
Speed-Ol Gear and Transmission Lubricants. Pennant Oil & Grease Co., Los Angeles.
Speed Horizontal Swing Saw Tables. Johnson Safety Saw Works, San Francisco, Cal.

Speedster Rubber Belting. Webb Belting Co., Kansas City, Mo.
Speedster Scooters. Maine Machine Works, Los Angeles.
Speedway Electric Drills, Electric Hammers and Grinders. Electro-Magnetic Tool Co., Cicero, Ill.
Speedway Gasoline Engines. Gas Engine & Power Co., & Charles L. Seabury, Morris Heights, N. Y.
Speedway Marine Gasoline Engines. Consolidated Shipbuilding Corp., Morris Heights, New York, N. Y.
Speedway Redwall Rubber Tires. National Rubber Co., Pottstown, Pa.
Speedy Clamps. Federal Malleable Co., West Allis, Wis.
Speedy Clothes Washing Machines. H. F. Brammer Mfg. Co., Davenport, Ia.
Speedy Force and Lift Pumps. Wm. Powell Co., Cincinnati.
Speedy Lawn Mowers. American Lawn Mower Co., Muncie, Ind.
Speer Carbons and Metallic Brushes. Speer Carbon Co., St. Mary's, Pa.
Speidel Hoists. Speidel Elevator Corp. Reading, Pa.
Speaco Dental and Surgical Instruments. Specialty Mfg. Co., New York.
Spence Steam and Hot Water Heaters. Pierce, Butler & Pierce Mfg. Corp., New York.
Spencer Boiler Flue and Tube Cleaners. Wm. Mulholland, New York.
Spencer Damper Regulators. W. D. Garrett & Co., New York.
Spencer Heaters. Spencer Heater Co., Scranton, Pa.
Spencer Regulators and Vises. Spencer Regulator Co., Salem, Mass.
Spencer Steam and Water Heaters. Standard Heater Co., Williamsport, Pa.
Spencer Soot Cleaners. Spencer Turbine Cleaner Co., Hartford, Conn.
Spencer Vacuum Cleaners. Spencer Turbine Co., Hartford, Conn.
Spencerian Respirators. Chicago Eye Shield Co., Chicago.
Spencerian Steel Pens. Spencerian Pen Co., New York.
Spenlo Sugar Servers. Spengler-Loomis Mfg. Co., Chicago.
Spermo Graphite Lubricants. Warren Lubricant Co., Buffalo, N. Y.
Sperry Farm Boilers, Vacuum Pans. D. R. Sperry & Co., Batavia, Ill.
Sperry Gyro Compass, Search Lights, Stabilizers, Magnetic Clutches, Fire Control Apparatus and Compound Diesel Engines. Sperry Gyroscope Co., Brooklyn, N. Y.
Sperry Telephone Arms. Samuel H. Moss, New York.
Sperry Perfection Cast Iron Culverts. Brillon Iron Works, Brillion, Wis.; N. H. Colby, Granville, Ill.; Munnsville Plow Co., Munnsville, N. Y.; H. Wetter Mfg. Co., Memphis, Tenn.
Sphero Ball Valves. Western Valve Co., Chicago.
Sphinx Belt, Hose, Mats, Valves. The Diamond Rubber Co., Inc., Akron, Ohio.
Sphinx Belting. Rossendale-Reddaway Belting & Hose Co., Newark, N. J.
Sphinx Carburetors. Sphinx Fuel Devices Co., Inc., Brooklyn, N. Y.
Sphinx Water Closets. J. D. Johnson Co., Brooklyn, N. Y.
Spic and Span Metal Polish. B. T. Babbitt, Inc., New York.
Spicer Universal Joints; Propeller Shafts. Spicer Mfg. Corp., South Plainfield, N. J.
Spiceland Adjustable Window Shades. Luther O. Draper Shade Co., Spiceland, Ind.
Spiceland Folding Chairs. Standard Mfg. Co., Cambridge City, Ind.
Spicky Aluminum & Metal Polish. Spicky Polish Corp., San Francisco.
Spider-Hose Menders. Gustin-Bacon Mfg. Co., Kansas City, Mo.
Spider Lawn Mowers. S. P. Townsend & Co., Orange, N. J.
Spider Packing. New York Belting & Packing Co., New York.
Spiegel-Halter Reamers. Norbom Engineering Co., The, Darby, Pa.
Spillman Gasoline Engines. Hydraulic Dynamometers and Revolving Engine Stands. Herschell-Spillman Co., North Tonawanda, N. Y
Spinaway Detachable Motors. Spinaway Boat Motor Co., Freeport, Ill.
Spindle City Heather Belting. H. F. Whiting, Lowell, Mass.
Spinks Cue Tips and Billiard Cloth. Wm. A. Spinks Co., Chicago.
Spinning Stocks. Royal Manufacturing Co., Rahway, N. J.
Spiral Belt Sanding Machines. Kent Mfg. Co., Faribault, Minn.
Spiral Coal Separators. Anthracite Separator Co., Hazelton, Pa.
Spiral Train Pipe Clamps. Railway Devices Co., St. Louis, Mo.
Spiralflow Feed Water Heaters. Alberger Pump & Condenser Co., New York.
Spirit Lacquer. M. L. Barrett & Co., Chicago.
Spirit Levels. S. R. Jackson, Watertown, N. Y.
Spirittine Wood Preservatives, Pine Oil, Gum Oil. Spirittine Chemical Co., Wilmington, N. C.
Spiro Closets. Crane Co., Chicago.
Spiro Compression Shaft Coupling. Bond Foundry & Machine Co., Manheim, Pa.
Spiro Steam Turbines. Buffalo Forge Co., Buffalo, N. Y.
Spirojector Ejector Condensers. Worthington Pump & Machy. Corp., New York.
Spit Fire Spark Plugs. A. R. Mosler & Co., Mt. Vernon, N. Y.
Spizzerinktum Boiler Metal Treatment. Jos. W. Hays Corporation,
Split Handle Post Hole Diggers. Iwan Bros., South Bend, Ind.
Split Rivets. Edwin B. Stimson Co., Brooklyn, N. Y.
Splitdorf Ignition Specialties. Splitdorf Electrical Co., Newark, N. J.
Splitproof Closet Seats. Sherwood Brass Works, Detroit.
Spoco Lubricating Oils. Swan Process Oil Co., Denver, Colo.
Spohrer Elec. Air Compressors. Weber Auto Accessory Co., Newark, N. J.
Spok Tite Wood Expander. Eureka Liquid Wheel Tightener Co., Modesto, Cal.
Spokane Cement. International Portland Cement Co., Spokane, Wash.
Spooless Stapling Wire. The Chicago Steel & Wire Co., Chicago.
Spokane Hand Made Flies. John T. Little Co., Spokane, Wash.
Spokane Ice and Refrigerating Machines. Armstrong Machinery Co., Spokane, Wash.
Spool-O-Wire Stapling Machs. & Paper Fasteners. Hutchinson Office Spec. Co., New York.
Sport (Formerly Scout) Hand Lanterns. R. E. Dietz Co., New York.
Sporting Rifle Powder No. 80. E. I. du Pont de Nemours & Co., Inc., Explosives and Smokeless Powder Depts., Wilmington, Del.
Sportman's Hunting Knives. Marble Arms & Mfg. Co., Gladstone, Mich.
Spotless Brushes. Alpha Brush Co., Troy, N. Y.
Spotless Fanning Mills. Johnson & Field Mfg. Co., Racine, Wis.
Spraco Water Cooling System; Pneumatic Painting Equipment; Air Washing and Cooling Equipment. Spray Engineering Co., Boston, Mass.
Sprague Can Openers. Browne & Dowd Mfg. Co., Meriden, Conn.; Fletcher, Terry Co., Forestville, Conn.
Sprague Cheese Presses. D. H. Burrell & Co., Little Falls, N. Y.
Sprague Damper Regulators. Howard Thermostat Co., Oswego, N. Y
Sprague Fixtures. General Electric Co., Schenectady, N. Y.
Sprague Hot Air Furnaces. Sprague Foundry & Mfg. Co., Council Bluffs, Ia.
Sprague Conduit. General Electric Co., Schenectady, N. Y.
Spraguelets Conduit Fittings. General Electric Co., Schenectady, N. Y.
Spramist Spray Nozzle. Deming Co., Salem, O.
Spramor Carburetors. Gravity Carburetor Co., Cleveland, O.
Spra-Rite Spray Cooling Systems. Binks Spray Equipment Company, Chicago.
Spreadtite Box Strapping. Stanley Works, New Britain, Conn.
Spredlite Semaphore Lenses. Corning Glass Works, Corning, N. Y.
Spredlite White-Mill Enamel. Phelan-Faust Paint Mfg. Co., St. Louis, Mo.
Spring Clip Battery Connectors. National Carbon Co., L. I. City, N. Y
Spring Eez Lubricating Compound. Halstead Specialties Co., San Francisco.
Springbok Kerosene. Texas Co., Houston, Tex.
Springer Mine Pumps. National Foundry & Machine Co., Louisville Ky.
Spring-fast Tire Cover. The Perkins-Campbell Co., Cincinnati, O.
Springfield Automobile Jacks, Tire Air Pumps, Tire Remover Tools. Shawver Co., Springfield, O.
Springfield Boilers. Springfield Boiler & Mfg. Co., Springfield, Ill.
Springfield Corn Cribs. Wm. Bayley Co., Springfield, O.
Springfield Grinders. Springfield Mfg. Co., Bridgeport, Conn.
Springfield Lathes. Springfield Machine & Tool Co., Springfield, Ill.
Springfield Logging Wagons. Springfield Wagon Co., Springfield, Mo.
Springfield Parting Compound. Springfield Facing Co., Springfield, Mass.
Springfield Ruffing Wheels. Springfield Tire & Rub. Co., Springfield, O.
Springfield Separators. National Separator & Machine Co., Boston, Mass.
Springfield Storage Battery Cell Testers. Jno. O. Heinze Co., Springfield, O.
Springfield Toilet Paper Holders. Morgan Envelope Co., Springfield, Mass.
Springfield Traps. Joseph H. Young Co., Boston.
Springfield Wire-Cut Lug Sewer and Building Brick. Springfield Paving Brick Co., Springfield, Ill.
Spring Hammer Drilling Machines. Star Expansion Bolt Co., New York.
Spring Maid Brushes. Spring Maid Broom & Mfg. Co., Chicago.
Spring Nut Locks. Spring Nut Lock Co. Chicago.
Spring Rail Frogs. Pettibone Muliken & Co., Chicago.
Spring Step Rubber Heels. United States Rubber Co., New York; Revere Rubber Co., Chelsea, Mass.
Spring Tumbler Padlocks. Fraim-Slaymaker Hardware Co., Inc., Lancaster, Pa.
Springtura Turn Buckles. Nolton Abbott Mfg. Co., W. Somerville, Mass.
Spring White Marble. Georgia Marble Co., Tate, Ga.
Springoid Packing. Springman-Paper Products Co., Detroit.
Sprite Lubricators. Michigan Lubricator Co., Detroit, Mich.
Spruce Tanning Extracts. Robeson Process Co., New York.
Sprunsteel Ladders. Union Blind & Ladder Co., Oakland, Cal.
Spry Electric Drills, C Post Machines. Howells Mining Drill Co., Plymouth, Pa.
Sprywheel Cultivators. H. C. Dodge, Inc., Boston, Mass.
Spur and Helical Gears. Standard Gear Co., Detroit, Mich.
Spur-Lock Weather-Stripping. W. J. Dennis & Co., Chicago.
Squadron Asbestos-Metallic Gaskets. Dominion Asbestos & Rubber Corp., New York.
Squadron Packing Mfrs. and Sheet Packing. Darcoid Co., New York.
Squantum Reclaimed Rubber. Monatiquot Rubber Works Co., S. Braintree, Mass.
Squantum Rubber Hose. National India Rubber Co., Bristol, R. I.
Square Deal Closet Seats. Olmstead-Thomson Mfg. Co., New Britain, Conn.
Square D Safety Switches, Motor Starters, Etc. Square D Company, Detroit, Mich.
Square Deal Gaskets and Sheet Packing. American Huhn Metallic Packing Co., New York.
Square Deal Leather Belting. The Burr Oak Belting Co., Cincinnati, O.
Square Deal Wire Fence. Keystone Steel & Wire Co., Peoria, Ill.
Square Fountain Lawn Sprinklers. L. R. Nelson, Peoria, Ill.
Square Trimmed Wire Flue Brush. Worcester Brush & Scraper Co., Worcester, Mass.
Square Turn Tractors. Square Turn Tractor Co., Norfolk, Nebr.
Squaw Floor Hinges. Allith-Prouty Co., Danville, Ill.
Squeegee Steam Packing. Channel Packing & Rubber Co., New York.
Squeegee Tires. The Diamond Rubber Co., Inc., Akron, O.
Squeeze Connectors. Thomes & Betts Co., New York.
Squier-Buffalo Multiple Effects Evaporators. Geo. L. Squier Mfg. Co., Buffalo.
Squier's Weed Killer. The Harrison Mfg. Co., Rahway, N. J.
Squires Packing. Squires & Byrne Rubber Co., San Francisco.
Squire's Steam Traps, Pump Governors, Boiler Feed Water Controllers, Reducing Valves. The C. E. Squires Co., Cleveland, O.
Squirrel Nut Crackers and Picks. Alex. Woldert Co., Tyler, Tex.
Staats Money Changers. Geo. F. Clute Mfg. Co., Chicago.
Stability Pencils. United States Pencil Company, Philadelphia, Pa.
Stabrite Front End Paint. Chas. R. Long, Jr., Co., Inc., Louisville, Ky.
Stack Relief Valves. Stack Heater Co., Boston.
Stacker Portable Elevators. P. A. Heller & Sons, Detroit.
Stackers. Lewis-Shepard Co., Boston, Mass.
Stack-Non-Bi Path, Boiler Tees. Stack Heater Co., Boston.
Stackote Paint. Jones Paint Co., Rome, New York.
Stackpole Battery Connectors. Stackpole Carbon Co., St. Marys, Pa.
Stackpole Carbon Brushes. Stackpole Carbon Co., St. Marys, Pa.
Stack Supreme Indirect Water Heaters. Stack Heater Co., Boston.
Staco Card Cabinets; Desk Pads. Stationers Specialty Corp., New York.
Stacy Swivel Load Binder. Eugene C. Stacy, Tiffin, O.
Stacy Valve and Service Boxes. Builders Iron Foundry, Providence, R. I.
Stadco Wind Shield Cleaners. Stadeker Metal Specialty Co., Chicago.
Sta-Fast Paper Clips. L. D. Van Valkenburg Co., Holyoke, Mass.
Stafford Carburetors. Jonas-Niehoff Mfg. Co., Los Angeles, Cal.
Stafford Carburetors. Model Machine Works, Los Angeles.
Stafford Lavatories. Crane Co., Chicago.
Stag Coal Tar Products. Coal Tar Products Co., Brooklyn, N. Y.
Stag Steel. Edgar Allen & Co., Ltd., Chicago.
Stag Steel Belt Hooks. Columbia Novelty Mfg. Co., St. Louis, Mo.
Staggard Auto Radiators. Western Mechanical Wks., Los Angeles.
Stahl Gears. Stahl Gear & Machine Co., Cleveland, O.
Stahl Magfixer Storage Battery Charging Sets. Stahl Rectifier Co., Chicago.
Stahl's Steel Grease Cups. Stahl Mfg. Co., Minneapolis.
Stain-Namel-High Gloss Finish in Clear and Colors. Eugene E. Nice Co., Philadelphia, Pa.
Staines Linoleum. Witcombe, McGeachin & Co., New York.
Stainlac Floor Finish. Warren Paint & Color Co., Nashville, Tenn.
Sta-Kool Circulating Pump for Fords. Griffith Machine Works, Los Angeles.
Staley Trench Tampers. Lourie Mfg. Co., Springfield, Ill.

Stall & Dean Baseball Bats, Base Balls, Tennis Shoes. Stall & Dean Mfg. Co., Brockton, Mass.
Stalwart Fire Hose. Goodall Rubber Co., Philadelphia, Pa.
Stalwart Hickory Handles. E. B. Estes & Sons, New York.
Stalwart Roofing. The Flintkote Company, Boston, Mass.
Stamanco. Stacey Mfg. Co., Cincinnati, O.
Stamford Ranges. Stamford Motor Co., Stamford, Conn.
Stamford Rubber Substitutes. Stamford Rubber Supply Co., Stamford, Conn.
Stanbrite Galvanizing Flux. United American Metals Corp., Brooklyn, N. Y.
Stancola Gasoline and Oil. Standard Oil Co., Indiana.
Stand Firm Ladders. Krathwohl Mfg. Co., Inc., Chicago.
Standard Absorbent Cotton. Maplewood Mills, Fall River, Mass.
Standard Alfalfa Cutters. Silver Mfg. Co., Salem, O.
Standard Artificial Leather, Wall Coverings. L. C. Chase & Co., Boston.
Standard American Drawing Materials. Frederick Post Co., Chicago.
Standard Asphalt. Wadsworth Stone & Paving Co., Pittsburgh, Pa.
Standard Asphalt Fillers. Standard Oil Co., Chicago.
Standard Asphalt Roofing. National Roofing Co., Tonawanda, N. Y.
Standard Asphalt Roofing and Shingles. McHenry-Millhouse Mfg. Co., South Bend, Ind.
Standard Attaching Plugs and Receptacles. General Electric Co., Schenectady, N. Y.
Standard Automatic Gas Pressure Regulators. Gas Consumers Assn., San Francisco.
Standard Automatic Time Stamps. International Time Recording Co. of N. Y., New York.
Standard Automatic Weight Recorders. Streeter-Amet Weighing & Recording Co., Chicago.
Standard Automobile Tool Boxes. Standard Steel Box Co., Bridgeville, Pa.
Standard Automoble Wheel Pullers. Standard Auto Accessory Co., Leipsic, O.
Standard Babbitt Metal. Atkinson Co., Rochester, N. Y.; Hoyt Metal Co., St. Louis, Mo.
Standard-Baechle Friction Clutch. The Standard Pulley Co., Cincinnati, O.
Standard Ball Bearing Coaster Wagons. South Bend Toy Mfg. Co., South Bend, Ind.
Standard Ball Mills. Morse Bros. Machinery & Supply Co., Denver, Colo.
Standard Ball Wicking. Robt. Mishop Mfg. Co., Boston.
Standard Bar Drop Handle Faucets. Standard Brass & Iron Works, Milwaukee.
Standard Battery Motor Fans, Battery Motors. Davis, Kendrick Co., Lebanon, N. H.
Standard Belting, Hose and Packing. Quaker City Rubber Co., Philadelphia, Pa.
Standard Blank Books. Boorum & Pease Co., Brooklyn, N. Y.
Standard Blast Forges. Champion Blower & Forge Co., Lancaster, Pa.
Standard Blotting Paper. Standard Paper Mfg. Co., Richmond, Va.
Standard Blue Print Paper. Frederick Post Co., Chicago.
Standard Bolt Threading Machines. Universal Machine Co., Bowling Green, O.
Standard Boring and Chucking Machines. Bullard Machine Tool Co., Bridgeport, Conn.
Standard Bridle Rings. Diamond Expansion Bolt Co., New York.
Standard Buggy Aprons. Racine General Mfg. Co., Racine, Wis.
Standard Bunting. U. S. Bunting Co., Lowell, Mass.
Standard Car Closets. Dayton Mfg. Co., Dayton, O.
Standard Car Coupler and Steel Platforms. Standard Coupler Co., New York.
Standard Car Jacks, Railway Track Drills. National-Standard Co., Niles, Mich.
Standard Carbon Papers. Non-Smut Carbon Mfg. Co., Rochester, N. Y.
Standard Carpet Nails. Milwaukee Tack Co., Milwaukee.
Standard Carpet Sweepers. Bissell Carpet Sweeper Co., Grand Rapids, Mich.
Standard Carriage Axles. Lee & Porter, Buchanan, Mich.
Standard Cash, Document, Mail and Fishing Tackle Boxes, Spray Pumps. The Armstrong Mfg. Co., Huntington, W. Va.
Standard Cement Plasters. Acme Cement Plaster Co., St. Louis, Mo
Standard Centrifugal Oil Separators. The American Tool & Mach. Co., Boston, Mass.
Standard Chrome Alloy Steel Balls. Standard Roller Bearing Co. Plainville, Conn.
Standard Churns. Standard Churn Co., Wapakoneta, Ohio.
Standard Cigarette Machinery, Tobacco Stemming Machines. American Machine & Foundry Co., Brooklyn.
Standard Circular Saw Mills. Lyon Iron Works, Greene, N. Y.
Standard Cinder Crushers, Radial Blast Sand Blast Barrels, Etc. The Standard Equipment Co., New Haven, Conn.
Standard Coaling Plants. Roberts & Schaefer Co., Chicago.
Standard Concrete Building Block Machinery. Standard Machine Co. Kent, O. Van Smyth-Manly Construction Co., New York.
Standard Concrete Septic Tanks and Sewage Disposal Systems. Standard Cement Construction Co., Inc., Wilmington, N. C.
Standard Condensers, Evaporators, Heaters, Etc. **Standard Water** Systems Co., Hampton, N. J.
Standard Conduit Hangers. Yonkers Specialty Co., Yonkers, N. Y.
Standard Conveyor. Standard Conveyor Co., North St. Paul, Minn.
Standard Corn Harvesters, Potato Diggers. Ohio Rake Co., Dayton, O.
Standard Corn Huskers and Wood Tanks. U. S. Wind Engine & Pump Co., Batavia, Ill.
Standard Corn Planters. Sheffield Mfg. Co., Burr Oak, Mich.
Standard Cotton Hand Duster. Leggett & Bro., Inc., New York.
Standard Cotton Waste. Robert Bishop Mfg. Co., Boston, Mass.
Standard Countershaft Clutch. Standard Pulley Co., Cincinnati, O.
Standard Countershafts and Emery Tool Grinders. Diamond Machine Co., Providence, R. I.
Standard Crayons. Standard Crayon Mfg. Co., Danvers, Mass.
Standard Cream Separators. Blanke Mfg. & Supply Co., St. Louis.
Standard Crossing Gates. Standard Ry. Gate Co., Saginaw, Mich.
Standard Crusher Parts. Standard Steel Works Co., Philadelphia, Pa
Standard Cultivators. Babcock Mfg. Co., Leonardsville, N. Y.
Standard Daters. R. A. Stewart & Co., New York.
Standard Desks. Standard Furniture Co., Herimer, N. H.
Standard Diaries; Investment Records; Radio Records; Year Books. Standard Diary Co., Cambridge, Mass.
Standard Disinfectants. Standard Oil Co. of New York, New York.
Standard Double-Action Spring Hinges and Hardware Specialties. Shelby Metal Products Co., Shelby, O.
Standard Drill Chucks. Skinner Chuck Co., New Britain, Conn.
Standard Drills. National-Standard Co., Niles, Mich.
Standard Door Hangers. Richards-Wilcox Mfg. Co., Aurora, Ill.
Standard Dry Batteries. J. H. Bunnell & Co., New York.
Standard Dry Kiln. The Standard Dry Kiln Co., Indianapolis, Ind.
Standard Dust Absorbing Oils. Standard Oil Co., New York.
Standard Earth Augers and Well Boring Outfits. The Specialty Device Co., Cincinnati, O.
Standard Eight Automobile. Standard Steel Car Co., Pittsburgh, Pa.
Standard Electric Fuses. Harvard Electric Co., Chicago.
Standard Electric Heating Pads. Standard Electrical Appliance Co., Beverly, N. J.
Standard Electric Tools. Standard Electric Tool Co., Cincinnati, O.
Standard Emery Wheel Dressers. Standard Tool Co., Cleveland, O.
Standard Engines. Standard Gas Engine Co., San Francisco, Cal.
Standard Envelope Sealing Machines. Standard Envelope Sealer Mfg. Co., Somerville, Mass.
Standard Exhaust Heads. Burt Mfg. Co., Akron, O.
Standard Farriers' Hammers. Champion Tool Co., Meadville, Pa.
Standard Feed Carriers, Hay Rack Clamps. Louden Machinery Co., Fairfield, Ia.
Standard Feed Water Heaters, Evaporators, Condensers, Etc. Standard Water Systems Co., Hampton, N. J.
Standard Feed Water Heaters. Patterson Kelley Co., New York.
Standard Fibre Chair Seats. United Chair Seat & Novelty Co., Brooklyn, N. Y.
Standard Fire Alarms, Electric, Secondary Electric, Self-Winding, Synchronized and Tower Clocks and Factory Signals. Standard Electric Time Co., Springfield, Mass.
Standard Fire Door Fittings. Keystone Fire Door Co., Pittsburgh.
Standard Fire Extinguishers. M. L. Snyder & Son, Philadelphia..
Standard Fire Hydrants. A. P. Smith Mfg. Co., East Orange, N. J.
Standard Fire Silica Brick. Standard Refractories Co., Claysburg, Pa.
Standard Fish Lines. Ashaway Line & Twine Mfg. Co., Ashaway, R. I.
Standard Flax Packing. Montgomery Bros., Inc., Philadelphia, Pa.
Standard Flour Sieves. Parker Wire Goods Co., Worcester, Mass.; Roseland Can & Specialty Co., Rockford, Ill.
Standard Flush Receptacles, Flush Plugs. Arrow Electric Co., Hartford, Conn.
Standard Garbage Receivers. C. H. Stephenson, Lynn, Mass.
Standard Garden Rakes and Post Hole Augers. Specialty Device Co., Cincinnati.
Standard Gas Burners. Welsbach Co., Philadelphia, Pa.; **Standard** Heating & Radiator Co., Pittsburgh, Pa.
Standard Gas Engines Lubricating Oils. Standard Oil Co. of Ohio, Cleveland.
Standard Gas Producers. S. R. Smythe Co., Pittsburgh, Pa.
Standard Gas Radiators. American Stove Co., St. Louis.
Standard Gasoline. Standard Oil Co., San Francisco.
Standard Gasoline Engines. Lennox Machine Co., Marshalltown, Ia.
Standard Gate Valves. Capital Brass Works, Detroit, Mich.
Standard Gear Counter. R. A. Hart Mfg. Co., Battle Creek, Mich.
Standard Giant Tack Claws and Pullers. Browne & Dowd Mfg. Co., Meriden, Conn.
Standard Glass Cutters. W. L. Barrett, Bristol, Conn.
Standard Globe and Angle Valves. Pittsburgh Valve & Fittings Co., Barberton, O.
Standard Grain Cleaning and Grading Machinery. Burch Plow Works Co., Crestline, Ohio.
Standard Granulated Raw Bone Compounds. Rogers & Hubbard Co., Middletown, Conn.
Standard Grease, Road Oils, Etc. Standard Oil Co., Chicago.
Standard Grinding Mills, Saw Gummers. Ajax Mfg. Co., Cleveland, O.
Standard Gymnastic Apparatus, Metallic Lockers, Playgrounds and Gymnasium Equipment. Narragansett Mach. Co., Providence, R. I.
Standard Hair Felts. Johns-Manville, Incorporated, New York. Thos. F. Smith, New York.
Standard Hand Miller. Standard Engineering Works, Pawtucket, R. I.
Standard Hay Rack Clamps. The F. E. Myers & Bro., Ashland, O.
Standard Heaters, Jacks and Scales. Standard Scale & Mfg. Co., Des Moines, Ia.
Standard Hinges. Shelby Metal Products Co., Shelby, Ohio.
Standard High-Speed Automatic Job Press. Wood & Nathan Co., New York.
Standard Hinges. Standard Mfg. Co., Shelby, O.
Standard Hot Air Furnaces, Steam Heaters. Giblin & Co., Utica, N. Y.
Standard Incandescent Lamps. Colonial Electric Co., Warren, O.
Standard Incandescent Renewed Lamps. Consolidated Electric Lamp Co., Danvers, Mass.
Standard Ingot Brass. Mich. Smelting & Refining Co., Detroit, Mich.
Standard Insulating Compounds and Varnishes. Standard Varnish Works, New York.
Standard Insulated Switches. The Rail Joint Co., Montreal, Canada
Standard Iron and Steel Posts. J. H. Downs, New York.
Standard Iron Split Pulleys. Dodge Sales & Engng. Co., Mishawaka, Ind.
Standard Jacks and Track Drills. National-Standard Co., Niles, Mich
Standard Lantern Slides, Etc. Standard Slide Corp., New York.
Standard Leather Belting. Webb Belting Co., Kansas City, Mo.; J. Bachmann & Co., New York; Bennett-McGuire Belting Co., St. Louis, Mo.; Consolidated Belting Co., Philadelphia; The Eagle Counter & Leather Co., Cincinnati; S. R. Sikes Co., Minneapolis; Semmelmeyer Belting Co., St. Louis.
Standard Letter Trays. Standard Wire Co., New Castle, Pa.
Standard A Lithopone. New Jersey Zinc Co., New York.
Standard Load Binders. Advance Car Mover Co., Appleton, Wis.
Standard Loud Speakers. Standard Metal Mfg. Co., Newark, N. J.
Standard Lubricators. G. B. Essex Brass Co., Detroit, Mich.; Phillips Co., Somerville, Mass.
Standard Mail Boxes. Forest City Foundry & Mfg. Co., Cleveland.
Standard Mailing Machines and Stamp Affixers. Standard Envelope Sealer Mfg. Co., Everett, Mass.
Standard Manual Training Benches. A. L. Bemis, Worcester, Mass.
Standard Metal Polish. Standard Chemical Co., Houston, Texas.
Standard Mills. Moline Pump, Co., Moline, Ill.
Standard Motor Trucks. Standard Motor Truck Co., Detroit, Mich.
Standard Moving Picture Cameras. Bell & Howell Co., Chicago.
Standard Mower. Emerson-Brantingham Co., Rockford, Ill.
Standard Natural Gas Burners. Standard Heating & Radiator Co., Pittsburgh.
Standard Oil Separators. American Tool & Machine Co., Boston, Mass.
Standard Oxide of Zinc and Zinc Dust. New Jersey Zinc Co., New York.
Standard Packer Cans. United States Can Co., Cincinnati.
Standard Packing. Northern Metallic Packing Co., St. Paul, Minn.
Standard Pan Cleaning and Greasing Machines. Gottschalk & Co., Reedsville, Pa.
Standard Paper Box Machinery. Kingsbury & Davis Machine Co., Contoocook, N. H.
Standard Paper Cups. Wolf Bros., Philadelphia.
Standard Paving Brick. Clearfield Brick Mfg. Co., Clearfield, Pa.
Standard Pencils. Eagle Pencil Company, New York.
Standard Perforated Wall Ties. Hamblin & Russell Mfg. Co., Worcester, Mass.
Standard Pig Iron. Standard Iron Co., Nashville, Tenn.

Standard Pipe Machinery. Standard Engineering Co., Ellwood City, Pa.
Standard Pipe Vises. Oswego Tool Co., Oswego, N. Y.
Standard Playing Cards. Standard Playing Card Mfg. Co., Chicago.
Standard Plow Steel Hoisting Rope. American Steel & Wire Co. Chicago.
Standard Pneumatic Tires. Standard Tire & Rubber Co., Boston.
Standard Port Lights, Stuffing Boxes. Thos. Laughlin Co., Portland, Me.
Standard Portable Drills and Grinders. The Standard Electric Tool Co., Cincinnati, O.
Standard Portable Lamp Guards. McGill Mfg. Co., Valparaiso, Ind.
Standard Portable Ventilators. Standard Ventilator Co., Lewisburg, Pa.
Standard Pressure Gauges. Foxboro Co., Foxboro, Mass.
Standard Pruning Shears. Smith, Seymour & Son, Oakville, Conn.
Standard Pumps. Goulds Mfg. Co., Seneca Falls, N. Y.
Standard Punches. I. P. Richards Co., Providence, R. I.
Standard Radio B Batteries. Pacent Electric Co., New York.
Standard Railway Track Drills. Aldon Co., Chicago.
Standard Reverse Gears. Standard Gear Co., Detroit, Mich.
Standard Revolution Counters. Foxboro Co., Foxboro, Mass.
Standard Revolving Doors. American Revolving Door Co., Chicago.
Standard Ring Packing. Combination Rubber Mfg. Co., Bloomfield, N. J.
Standard Rings, Dies, Forgings, Tires, Wheels, Etc. Standard Steel Works Co., Philadelphia, Pa.
Standard Road Drags. Galion Iron Works & Mfg. Co., Galion, Ohio.
Standard Road Oils, Wire Rope Coating and Lubricant, Gas Engines, Standard Oil Co., New York.
Standard Rock and Ore Crushers; Cinder Grinders; Cement, Coal and Stone Pulverizers, Sand Blast Machines. Standard Equipment Co., New Haven, Conn.
Standard R. R. Hand Lanterns. R. E. Dietz Co., New York.
Standard Roll Shells Solid Weldless Tires. Standard Steel Works Co., Philadelphia.
Standard Roof Snow Guards, Perforated Steel, Wall Ties. Hamblin & Russell Mfg. Co., Worcester, Mass.
Standard Roofing. Frick & Lindsay Co., Pittsburgh.
Standard Rotary Ventilators. Frank Staar & Sons, Inc., Chicago.
Standard Round Belting. Johnson Belting Co., New York.
Standard Rubber Cements. St. Louis Rubber Cement Co., St. Louis.
Standard Rubber Gloves. Consumers Rubber Co., Cleveland.
Standard Rubber Hose. Electric Hose & Rubber Co., Wilmington, Del.
Standard Rubber Mats. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Standard Running Boards. Standard Railway Equip. Co., Chicago.
Standard Rural Mail Boxes. W. C. Hopson Co., Grand Rapids, Mich.; Superior Sheet Metal Works Co., Indianapolis, Ind.
Standard Sand Mixers; Belt Conveyors; Drag Conveyors. Standard Sand & Machine Co., Cleveland, O.
Standard Sand Screens. Jeffrey Mfg. Co., Columbus, Ohio.
Standard Saw Gauges. Kantslip Co., Freeport, Mich.
Standard Saw Gummer. Ajax Mfg. Co., Pittsburgh, Pa.
Standard Saw Mills. Lyons Iron Works, Greene, N. Y.
Standard Screw Chain Hoist. Chisholm-Moore Mfg. Co., Cleveland, O.
Standard Screw Drivers. W. A. Ives Mfg. Co., Wallingford, Conn.
Standard Seamless Steel Tubes. Bourne-Fuller Co., Cleveland, O.
Standard Sewer Traps, Floor Drains, Stop and Waste Cocks, Water Closets. Prier Brass Mfg. Co., Kansas City, Mo.
Standard Shellac, Varnishes. Standard Varnish Works, New York.
Standard Shovels. F. W. Jesup & Co., Inc., New York.
Standard Sleet Wheels. National Brass Mfg. Co., Rochester, N. Y.
Standard Solid Cotton Belting Mfrs. Bay State Belting Co., Boston, Mass.
Standard Soldering Flux. Grasselli Chemical Co., Cleveland, Ohio.
Standard Speedometers, Thermometers, Thermostats, Etc. Standard Thermometer Co., Boston, Mass.
Standard Spray Pump. Goulds Mfg. Co., Seneca Falls, N. Y.
Standard Spring Tooth Harrows. Eureka Mower Co., Utica, N. Y.
Standard Squares. Southington Hardware Co., Southington, Conn.
Standard Stave Jointers. Wheland Co., Chattanooga, Tenn.
Standard Steam Pipe Casings. American District Steam Co., No. Tonawanda, N. Y.
Standard Steam Superheaters. United Gas Improvement Co., Phila.
Standard Steam Traps. Kieley & Mueller, New York.
Standard Stearic Acid. Emery Candle Co., Cincinnati.
Standard Steel, Coal and Gondola Cars. Youngstown Steel Car Co., Niles, Ohio.
Standard Stoker. Standard Stoker Co. (Inc.), New York.
Standard Stove Trimmings, Stove Trucks, Cork Pullers, Mop Sticks and Holders, Nut Crackers and Picks. Arcade Mfg. Co., Freeport, Ill.
Standard Stoves. Pittston Stove Co., Pittston, Pa.
Standard Suction Hose. Electric Hose & Rubber Co., Wilmington, Del.
Standard Sugar Cane Mills. Southern Plow Co., Columbus, Ga.
Standard Take-Down Squares. Southington Hardware Co., Southington, Conn.
Standard Tank Heaters. Hunt, Helm, Ferris & Co., Harvard, Ill.
Standard Taper Reamers. Brown & Sharpe Mfg. Co., Providence, R. I.
Standard Thermostats. Atlas Valve Company, Newark, N. J.
Standard Time Stamps. International Time Record. Co., Endicott, N. Y.
Standard Toe Calks. Franklin Steel Works, Joliet, Ill.
Standard Tongue Blades. E. B. Estes & Sons, New York.
Standard Tool Steel. Hawridge Bros. Co., Boston.
Standard Track Drills. The Aldon Co., Chicago.
Standard Transformers. Standard Transformer Co., Warren, Ohio.
Standard Trinidad Built-up Roofs. Barber Asphalt Co., Philadelphia.
Standard Trolley Harps & Bases. R. D. Nuttall Co., Pittsburgh.
Standard Tube Expanders. Gustav Wiedeke & Co., Dayton, Ohio.
Standard Tuners. Standard Assembling Co., New York.
Standard Turpentine. Thomas Sealy, New York.
Standard Underfeed Mechanical Stokers. Under Feed Stoker Co. of Am., Detroit.
Standard Universal Joints. Universal Machine Co., Bowling Green, O.
Standard Vacuum Windshield Cleaner. Standard Motor Parts Co., Chicago.
Standard Varnishes. Standard Varnish Co., New York.
Standard Vises. Athol Mach. & Foundry Co., Athol, Mass.; Bonney Forge & Tool Works, Allentown, Pa.
Standard Wagon Skeins. Illinois Iron & Bolt Co., Carpentersville, Ill.
Standard Water Bottle Heaters. Meier Dental Mfg. Co., St. Louis.
Standard Welded & Brazed Steel Tubing. Standard Steel Tube Co., Toledo, Ohio.
Standard White and Red Lead. Jamestown Paint & Varnish Co., Jamestown, Pa.
Standard Wieland Pipe Cutting and Threading Machinery. Standard Engineering Co., Ellwood City, Pa.
Standard Wire Flattening Mills. Standard Machine Co., Auburn, R. I.
Standard 30% Hevla Rubber Covered Wire. Standard Underground Cable Co., Pittsburgh, Pa.
Standard Wood Stains. Yarnall Paint Co., Philadelphia.
Standard X Brass Valves. The Kelly & Jones Co., Greensburg, Pa.
Standard Yarn Conditioning Machines. Alfred Suter, New York.
Standardized Metal Caging (S. M. C.) for Projecting Steel Structures. Mitchell Tappen Co., New York.
Standby Depot and Building Paints. Wadsworth-Howland Co., Chicago.
Standby Dry Batteries. National Carbon Co., Long Island City, N. Y.
Standco Socket Head Cap Screws. Standard Pressed Steel Co., Jenkintown, Pa.
Standley Luggage Carriers, Safety Treads, Automatic Chain, Adjusters, Brake Adjusters. Standley Skid Chain Co., Boone, Ia.
Standoil Air Drill Hose. Hewitt Rubber Co., Buffalo.
Standwell Fireproof Doors. Howell, Field & Goddard, Inc., Long Island City, N. Y.
Standwett Leather. Joseph N. Eisendrath Co., Chicago.
Stanforge Draft Gear. Standard Forgings Co., Chicago.
Stanhope Hose. Hamilton Rubber Mfg. Co., Trenton, N. J.
Stanhope Rubber Packing. National India Rubber Co., Bristol, R. I.
Stanley Air Pumps. Bridgeport Brass Co., Bridgeport, Conn.
Stanley Belting and Transmission Lining. Stanley Belting Corp., Chicago.
Stanley Boltless, Self-Oiling Automobile and Wagon Springs. Garden City Springs Works, Inc., Chicago.
Stanley Ferrostat Vacuum Bottles. Stanley Insulating Co., New York.
Stanley, Jr. Hose Nozzles. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Stanley Mops. Stanley H. Coffin, Boston.
Stanley Motors. Stanley Co., Boston, Mass.
Stanley Process Babbitt Metal, Brass and Copper Ingots, Phosphor Copper and Tin, Solder. United American Metals Corp., Brooklyn.
Stanley Rules and Mitre Boxes. Stanley Rule & Level Co., New Britain, Conn.
Stanley Tools. Stanley Works, New Britain, Conn.
Stanley's Toilet Soaps. John T. Stanley & Co., Inc., New York.
Stannard's Processed Crude Oil. C. A. Stannard, Emporia, Kan.
Stannum Babbitt Metal. Lumen Bearing Co., Buffalo, N. Y.
Stanolax Medicinal Oil. Standard Oil Co., Chicago.
Stanolex Machine Oil. Standard Oil Co., Chicago.
Stanolind Paving Asphalt, Surgical Wax, Etc. Standard Oil Co., (Indiana), Chicago.
Stantool Drills. Standard Tool Co., Cleveland, O.
Stanvar Floor Finish. Standard Varnish Co., New York.
Stanwal Fabric. Standard Woven Fabric Co., Walpole, Mass.
Stanwell Mineralized Belting. Fewick-Reddaway Mfg. Co., Newark, N. J.
Stanwell Stencil Dies. L. F. Grammes & Sons, Inc., Allentown, Pa.
Stanwood Fire Tube Boilers. Houston Stanwood & Gamble Co., Cincinnati.
Stanwood Non-Slip, Self Cleaning Car Steps. American Mason Safety Tread Co., New York.
Sta-on-Window Signs. Decalco Litho Company, Inc., New York.
Staple Belting and Hose. N. J. Car Spring & Rubber Co., Jersey City, N.J.
Staple Brand Saddlery Hardware, Steel & Wood Hames. Frazer & Jones Co., Syracuse, N. Y.
Staple Posts. Staple Post Mold Co., Westerville, O.
Stapler Fire Brick. Stevens Bros. & Co., Stevens Pottery, Ga.
Staples Bee-Hive Furniture Polish. H. F. Staples & Co., Medford, Mass.
Stapley Tire Air Pumps. Bridgeport Brass Co., Bridgeport, Conn.
Star A Star Red Cedar Shingles. McLane Lumber & Shingle Co., Kelso, Wash.
Star Air Pumps. N. & J. Tiebout, New York.
Star All Steel Switch Stands. Pettibone Mulliken Co., Chicago.
Star Anchor Bolts, Electric Cable Hangers, Expansion Bolts, Screw Anchors and Drills. Star Expansion Bolt Co., New York.
Star and Crescent Handles. H. E. Hessler Co., Syracuse, N. Y.
Star Auto and Machine Oils. Star Oil Co., Chicago.
Star Babbitt Metal. Lissberger Marks & Son, Long Island City, N. Y.
Star Ball Bearing Axles. Scott R. Coppins, Princeton, Ill.
Star Ball Bearings. The Bearings Co. of America, Lancaster, Pa.
Star Band Mills. Filer & Stowell Co., Milwaukee, Wis.
Star Bar Belt Dressing. Graton & Knight Mfg. Co., Worcester, Mass.
Star Barn Door Hangers and Latches, Cattle Stanchions. Coaster Wagons, Hay, Feed and Merchandise Carriers, Hay Slings and Pulleys, Rope Hoists, Screen Door Pulls, Windmill Regulators, Wire Stretchers, Tank Heaters, Corn Shock Compressors, Anvil, Shoveling Boards, Hay Carrier Trucks. Hunt, Helm, Ferris & Co., Harvard, Ill.
Star Basin Clamps. Trenton Brass & Machine Co., Trenton, N. J.; Wolverine Brass Works, Grand Rapids, Mich.
Star Bath Room Fixtures. Searls Mfg. Co., Newark, N. J.
Star Belt Cements, Leather Belting and Round Belt. F. Raniville Company, Grand Rapids, Mich.
Star Belt Dressing. Chesapeake Belting Co., Baltimore; Graton & Knight Mfg. Co., Worcester, Mass.
Star Belt Lacing. Columbia Novelty Co., St. Louis, Mo.
Star Belting. Hudson Belting Co., Worcester, Mass.
Star Bicycle Pedals. Torrington Co., Torrington, Conn.
Star Blotting Paper. Richmond Paper Co., Richmond, Va.
Star Boiler Compounds. Indianapolis Chemical Co., Indianapolis, Ind. National Mill Supply Co., Fort Wayne, Ind.
Star Boilers. A. D. Granger Co., New York.
Star Brand Belt Dressing. Chesapeake Belting Co., Baltimore, Md. Graton & Knight Mfg. Co., Worcester, Mass.
Star Brand Blocks. Boston & Lockport Block Co., East Boston, Mass.
Star Brand Brass and Copper Products. U. T. Hungerford Brass & Copper Co., New York.
Star Brand Chain. Turner & Seymour Mfg. Co., Torrington, Conn.
Star Brand Escutcheon Pins and Chains. Turner & Seymour Mfg. Co., Torrington, Conn.
Star Brand Typewriter, Roller Process, Hektograph, Multigraph, Stamp and Adding Machine Ribbons. F. S. Webster, Boston, Mass.
Star Broom Holders, Rotary Flour Sieves. Parker Wire Goods Co., Worcester, Mass.
Star Colonel Golf Balls. St. Mungo Mfg. Co., Newark, N. J.
Star Broom Holders, Self-Oiling Pulleys. Wrightsville Hardware Co., Wrightsville, Pa.
Star Bucket Pumps. Star Bucket Pump Co., St. Louis, Mo.
Star Butchers' Knives. Goodell Co., Antrim, N. H.
Star Special Planer Round Belting. F. Raniville Co., Grand Rapids, Mich.
Star Calking Cotton and Sash Cords. Estes Mills, Fall River, Mass.
Star Can Openers, Tack Claws and Pullers. Browne & Dowd Mfg. Co., Meriden, Conn.
Star Car Wheels. National Car Wheel Co., Pittsburgh, Pa.
Star-Clean Carriage Top Dressing. Alder Chemical Co., Mount Vernon, N. Y.
Star Carriage Bows, Rims, Singletrees. Crane & MacMahon, Inc., St. Marys, Ohio.

Star Carriage and Wagon Wheels. P. Lebzelter & Son Co., Lancaster, Pa.
Star Cements. Bangs-Gaynor Cement & Plaster Co., Fayetteville, N. Y. E. Thiele, New York.
Star Check Valves. Gate Valves, Sight Feed Lubricators, Throttle Valves. Wm. Powell Co., Cincinnati, O.
Star Chisel Grinders. Star Specialty Mfg. Co., Chicago.
Star Chucks, Saw Machines, Hack Saw Blades and Frames. Millers Falls Co., New York.
Star Churns. J. McDermaid, Rockford, Ill.
Star Clothes Washing Machines. C. E. Ross, Lincoln, Ill.
Star Coal Chute. Sterling Foundry Co., Sterling, Ill.
Star Cobblers' Outfits, Heel Plates, Shoe Blacking, Foot Rests, Lasts and Stands. Louis Sacks, Inc., Newark, N. J.
Star Cocks, Car Lamps, Lubricators, Engine Indicators, Valves, Marine Clocks, Revolution Counters, Pantographs, Whistles, Test Pumps, Water Columns, Gauges. Star Brass Mfg. Co., Boston.
Star Conduit and Lead Pipe Benders. Hub Elec. Co., Chicago.
Star Copying Paper, Onion Skin Paper, Silver Tissue Paper. C. H. Dexter & Sons, Windsor Locks, Conn.
Star Corkboard. United Cork Companies, Lyndhurst, N. J.
Star Corn Planters. J. H. Albright & Sons, Mifflinsburg, Pa.
Star Corn Shellers, Hog Troughs, Stock Fountains, Stove Pipe Dampers. Klauer Mfg. Co., Dubuque, Ia.
Star Cotton Mops. Massasoit Mfg. Co., Fall River, Mass.
Star Dating and Numbering Stamps. R. A. Stewart & Co., New York.
Star Disc Harrows. Ohio Cultivators Co., Bellevue, O.; Wiard Plow Co., Batavia, N. Y.
Star Electrical Appliances. Fitzgerald Mfg. Co., Torrington, Conn.
Star Electrical Fittings. Steel City Electric Co., Pittsburgh, Pa.
Star Expansion Bolts, Anchor Bolts, Toggle Bolts, Bridle Rings, Cable Supporting Clamps, Extension Drills, Pipe Hangers. Star Expansion Bolt Co., New York.
Star Farm Tractors. Star Tractor Co., Findlay, Ohio.
Star Feed Cutters. Gowanda Agricultural Works, Gowanda, N. Y.
Star Foot Grinders. Tri-Angle Mfg. Co., Freeport, Ill.
Star Force and Lift Pumps. Blymer Iron Works Co., Cincinnati, O.
Star Friction Clutches, Safety Cut-Off Couplings. C. G. Westlund Co., Worcester, Mass.
Star Furnaces. Portland Stove Foundry Co., Portland, Me.
Star Fuses and Exploders. Star Electric Fuse Wks., Wilkes-Barre, Pa.
Star Galvanized Range Boilers, Expansion Tanks, Air Tanks, etc. Detroit Range Boiler & Steel Barrel Co., Detroit, Mich.
Star Gas Engines. Star Mfg. Co., New Lexington, Ohio.
Star Gas and Oil Stoves. I. Block & Son, New York.
Star Gauges, Indicators, Valves, Etc. Star Brass Mfg. Co., Boston, Mass.
Star Glaziers Points. W. H. Maze Co., Peru, Ill.
Star Grease Cups. American Injector Co., Detroit, Mich.
Star Grinding Machines. Detroit-Star Grinding Wheel Co., Detroit, Mich.
Star Hack Saw Blades. Clemson Bros., Inc., Middleton, N. Y.
Star Headlight. Star Headlight Co., Rochester, N. Y.
Star Hickory Handles. Hartwell Handle Co., Harvey, Ill.
Star Hopper Valves. Crampton-Farley Brass Co., Kansas City, Mo.
Star Horse Collar Pads. Zinc Collar Pad Co., Buchanan, Mich.
Star Hose Racks and Reels. Goodyear Rubber Co., New York; John Simmons, New York.
Star Hose; Valves. The Diamond Rubber Co., Inc., Akron, O.
Star Hot Water Heaters. Star Heating Co., Norwalk, Ohio.
Star Hydrants and Pumps. Goulds Mfg. Co., Seneca Falls, N. Y.
Star Incandescent Gas Burners. Unique Art Glass & Metal Co., Brooklyn.
Star Insect Guns. Thos. W. Houchin Co., New York.
Star Knife Switches. Barkelew Electric Mfg. Co., Middletown, O.
Star Lawn Mowers. Dille & McGuire Mfg. Co., Richmond, Ind.
Star Leather Belting. Hudson Belting Co., Worcester, Mass.; L. P. Degen Belting Co., San Francisco, Calif.
Star Locknut Bushings and Electric Fixture Studs. Steel City Elec. Co., Pittsburgh.
Star Duplex Locomotive Lubricators. Wm. Powell Co., Cincinnati.
Star Lubricators. Wm. Powell Co., Cincinnati.
Star Lug Straps. E. H. Jacob Mfg. Co., Danielson, Conn.
Star Machinists Vise. Boker Cutlery & Hardware Co., New York.
Star Massage Vibrators. Fitzgerald Mfg. Co., Torrington, Conn.
Star Metal Polish-Paste. Campbell Glass & Paint Co., St. Louis, Mo
Star Miners' Lamp. Geo. T. Anton & Bro., Monongahela, Pa.; Crier Bros. Co., Pittsburgh.
Star Mitre Machines; Joining Vises. Rockford Mitre Box Co., Rockford, Ill.
Star Motors. Star Electric Motor Co., Newark, N. J.
Star Naco Range Boilers. Detroit Range Boiler & Steel Barrel Co., Detroit, Mich.
Star Oak Tanned Leather Belting. L. P. Degan Belting Co., San Francisco.
Star Oils and Grease Cup Lubricators. Swift Lub. Co., Elmira, N. Y.
Star Packing. Consolidated Rubber Co., Trenton, N. J.
Star Padlock Locks. U. S. Lock & Hdwe. Co., Columbia, Pa.
Star Paint and White Washing Machines. Binks Spray Equipment Co., Chicago.
Star Paper Fasteners. Waterbury Brass Goods Corp., Waterbury, Conn.
Star Patent Truck. Star Mfg. Co., New Lexington, O.
Star Phosphor Copper and Tin. Richards & Co., Inc., Boston.
Star-Peerless Flour Bin and Sifter. Iddings Co., Warren, Ohio.
Star Gauge Wrist Pins. Gas Motor Parts Co., San Francisco.
Star Pig Iron. Star Furnace Co., Jackson, O.
Star Post-Hole Augers. Wm. E. Pratt Mfg. Co., Chicago.
Star Post Caps and Bases. A. M. Castle & Co., Chicago.
Star Potato Diggers. D. H. DeShay, Elysburg, Pa.
Star Potato Sprayers. Lawrence-Bostwick Mfg. Co., Phelps, N. Y.
Star Powder Boiler Compound. The Star Oil Co., Chicago.
Star Printers Gauges, Sticks and Stoneman's Tee-Squares. Eagle Engineering Co., Springfield, Ohio.
Star Quick Shift Steel Anti-Rattlers. Evans & Coppins Co., Princeton, Ill.
Star Radiator Shields. J. Rutherford & Son, Akron, Ohio.
Star Range Boiler. Detroit Range Boiler & Steel Barrel Co., Detroit.
Star Rat Traps. Lovell Mfg. Co., Erie, Pa.
Star Renewable Cartridge and Plug Fuses. Star Fuse Co., Inc., New York.
Star Roller Bearing Wagons. Eagle Wagon Works, Cortland, N. Y.
Star Rolling Store Ladder. Union Blind & Ladder Co., Oakland, Cal.
Star Roof Flanges, Soil Pipe Testing Plugs. H. E. Hessler Co., Syracuse, N. Y.
Star Sad Irons. W. H. Howell Co., Geneva, Ill.
Star Sash Cords. Estes Mills, Fall River, Mass.
Star Saw Sets. Hy. Disston & Sons, Tacony, Philadelphia.
Star Screw Drivers. Cronk & Carrier Mfg. Co., Elmira, N. Y.
Star Seal Presses. Sigwalt Mfg. Co., Chicago; L. F. Grammes & Sons, Inc., Allentown, Pa.
Star Shade Cloth. Columbia Mills, Inc., New York.
Star Shoe Blacking and Polishes. Whittemore Bros. Corp., Cambridge, Mass.
Star Sickel Grinders. Clizbe Bros., Mfg. Co., Plymouth, Ind.
Star Soldering Paste and Sticks. McGill Mfg. Co., Valparaiso, Ind.
Star Soil Pipe Testing Plugs. H. E. Hessler, Syracuse, N. Y.
Star Spelter. Kahn Bros., Brooklyn, N. Y.
Star Spiral Springs. Columbian Hardware Co., Cleveland.
Star Spring Tooth Harrows. Gale Mfg. Co., Albion, Mich.
Star Steak Pounders. Nicol & Co., Chicago.
Star Steam Heaters. Harrisburg Mfg. & Boiler Co., Harrisburg, Pa.
Star Steel Tanks, Towers and Windmills. Flint & Walling Mfg. Co., Kendallville, Ind.
Star Step Ladders. S. A. Smith Mfg. Co., Brattleboro, Vt.; Union Blind & Ladder Co., Oakland, Calif.
Star Oak Stoves. Fox Furnace Co., Elyria, Ohio.
Star Stove Pipe Thimbles. E. C. Stearns & Co., Syracuse, N. Y.
Star Stove Pokers. Cassady Fairbanks Mfg. Co., Chicago.
Star Stoves. Bellaire Stove Co., Bellaire, Ohio.
Star Switch Stands. Pettibone, Mulliken & Co., Chicago.
Star Tack Claws and Pullers. W. C. Browne Mfg. Co., Kingston, N. Y.
Star Tank Heaters. B. F. Freeland Sons Co., Sturgis, Mich.
Star Tinners Snips. Acme Shear Co., Bridgeport, Conn.
Star Tire Shrinkers. Champion Blower & Forge Co., Lancaster, Pa.
Star A. H. Binder Twine. Hooven & Allison Co., Xenia, Ohio.
Star Typewriter Ribbons. F. S. Webster Co., Boston, Mass.
Star Ventilators. Merchant & Evans Co., Inc., Philadelphia, Pa.
Star Vises. Fulton Mach. & Vise Co., Lowville, N. Y.
Star Brand Beeswax, White Beeswax & Waxes. Smith & Nichols, Inc., New York.
Star Wall Plaster. New Albany Wall Plaster Co., New Albany, Ind.
Star Washers. Bethlehem Foundry & Machine Co., Bethlehem, Pa.
Star Water Filters. Wm. Welsh, Cincinnati.
Star Water Tube Boilers. A. D. Granger Co., New York.
Star Weatherproof Wire. American Elec'l Works, Phillipsdale, R. I.
Star Well Machines. Star Drilling Machinery Co., Akron, O.
Star Windmills. Flint & Walling Mfg. Co., Kendallville, Ind.
Star Wire Stretchers, Regulators, etc. Hunt, Helm, Ferris & Co., Harvey, Ill.
Star White Metal Compositions. E. Reed Burns, Brooklyn, N. Y.
Star Wood Faucets. John Sommer Faucet Co., Newark, N. J.
Star 91 Steel Handle Wrenches. Coes Wrench Co., Worcester, Mass.
Star-Zenith Steel. Carpenter Steel Co., Reading, Pa.
Starbuck Pipe Bending Springs, Pipe Nipple Holders. R. M. Starbuck & Sons, Hartford, Conn.
Starex Roofing. The Ruberoid Co., New York, Chicago and Boston.
Starford Starters for Fords. Symons Brothers Co., Evanston, Ill.
Sta-Rite Automobile Lighting, Battery, Pull and Push Switches. Frank W. Morse, Boston.
Sta-Rite Car Curtain. Railway Curtain Co., Chicago.
Star-ite Varnish. Adams & Elting Co., Chicago.
Stark Auto Products. Stark-Inland Machine Works. St. Louis, Mo.
Stark Car Couplers. Stark Car Coupler Corp., Strasburg, Va.
Stark Lathes, Milling and Pinion Machines, Reamer Grinders, Etc., Stark Tool Co., Waltham, Mass.
Starks Outside Stains; Shingle Stains; Waterproofing for Brick, Cement, Concrete and Stucco; Wood Preservative. The Starks Mfg. Co., Kansas City, Mo.
Starke Sash Weight. Starke's Dixie Plow Works, Inc., Richmond, Va.
Starr Automobile Tire Holders. Starr Bros. Bell Co., East Hampton, Conn.
Starrett Hack Saws and Steel Traps. L. S. Starrett Co., Athol, Mass.
Starrett Vises. Athol Mach. & Foundry Co., Athol, Mass.
Starrett's Improved Machinists' Vises. Athol Mach. & Foundry Co., Athol, Mass.
Starwal Water Heater. Warner-Reiss Sales Co., St. Louis, Mo.
Stasharp Clutch Pencils. Salz Bros., New York.
Stanawana Gang Plows. Racine-Sattley Co., Springfield, Ill.
Stasco Toilet Seats and Tanks. Standard Tank & Seat Co., Camden, N. J.
Sta-Shine Polish. Frazzle Laboratories, Tomahawk, Wis.
Staso Crushed Slate. Staso Laminated Slate Co., Chicago.
Statesman White Lead, Zinc, Paints, Enamels, etc. Charles H. Brown Paint Co., New York.
Sta-There Battery Connectors. Manhattan Electrical Supply Co., New York.
Station-Airy Electric Clothes Washers. Station-Airy Co., Cleveland, O.
Stationary Sight Feed Lubricators. Detroit Lubricator Co., Detroit, Mich.
Statite Force Feeders. Railway Devices Co., St. Louis, Mo.
Sta-Ttite Piston Rings. Sta-Tite Packing Ring Co., St. Louis; Piston Ring Co., Muskegon, Mich.
Statler Traveling Bog. New Process Co., Warren, Pa.
Stator Insulation. Electric Machine Co., Minneapolis, Minn.
Staude Headlight Glare Stopper; Staude Make-a-Tractor. E. G. Staude Mfg. Co., St. Paul, Minn.
Stauffer Grease Cup Lubricators. McNab & Harlin Mfg. Co., Paterson, N. J.
Sta-White Paint. Detroit Graphite Co., Detroit, Mich.
Stay Fuses. E. I. du Pont de Nemours & Co., Wilmington, Del.
Stay-In Flue Stops. Peoria Can Co., Peoria, Ill.
Staylastic Asphalt, Metal Paint. The Lehon Co., Chicago.
Stay-On Chimney Tops. Holland Furnace Co., Holland, Mich.
Stayon Door Hangers and Tracks. The F. E. Meyers and Bro., Ashland, O.
Stay On Feed Carriers. Automatic Carrier Co., Juneau, Wis.
Stay On Horse Blankets. Burlington Blanket Co., Burlington, Wis.
Stay-Rib Metal Lath. Milwaukee Corrugating Co., Milwaukee.
Stayrite Bed Lamp. Shiras Chassaing Elec. & Mfg. Co., St. Louis, Mo.
Staysalite Lineman's Torch. Mathias Klein & Sons, Chicago.
Stay Sharp Knives. Robert Murphy's Sons Co., Ayer, Mass.
Stay There Air Hose. Osgood Saven, Philadelphia, Pa.
Stay There Cold Water Paints. Hardie Mfg. Co., Hudson, Mich.
Staytite Metallic Packing. H. G. Hammett, Troy, N. Y.
Stay-Tite Piston Rings. Stay-Tite Packing Ring Co., St. Louis, Mo.
Stay-Tite Roof Cement. The Lehon Co., Chicago.
Stazon Paints. Stazon Paint Makers Inc., Norwich, N. Y.
Steacy-Schmidt Products. Steacy-Schmidt Mfg. Co., York, Pa.
Steadfast Roofing Composition and Pelts. Flintkote Co., Boston.
Steam-Tight-Valve Counterflow Engines. Skinner Engine Co., Erie, Pa.
Stearling Grinder. McDonough Mfg. Co., Eau Claire, Wis.
Steamix Water Heater. W. N. Matthews & Bro., Inc., St. Louis.
Stearns Extra Reserve Gasoline Engines. Stearns Motor Mfg. Co., Ludington, Mich.

Stearns Gas Engine. Guarantee Engineering & Machine Co., Los Angeles.
Stearns Hollow Augers. Buckeye Mfg. & Foundry Co., Cleveland.
Stearns Saw Vises, Saw Sets, Blacksmith Shop Tongs. E. C. Stearns & Co., Syracuse, N. Y.
Stearnes Steel Ranges. Stearnes Co., The, Chicago.
Steber's Calculating Scales. F. W. Steber, Dallas, Tex.
Stebbins Molasses Gates. Taylor & Boggs Foundry Co., Cleveland; Weller Hardware & Foundry Co., Horsehead, N. Y.
Stebbins Pyrites and Sulphur Burners. Stebbins Engineering & Mfg. Co., Watertown, N. Y.
Stecher Hand Screw Machines. The Charles Stecher Co., Chicago.
Steco Carburizing Compound. The Steel Treating Equip. Co., Detroit, Mich.
Stedman Coal Disintegrator. Stedman's Foundry & Machine Works Aurora, Ind.
Steedman Switch. St. Louis Steel Foundry Co., St. Louis, Mo.
Steel Age Furniture. Corry-Jamestown Mfg. Corp., Corry, Pa.
Steel Alloy Bells. C. S. Bell Co., Hillsboro, O.
Steelasote Fibre Board. The Pantasote Co., New York.
Steelbilt Toilet Partitions. Betz Brothers, Inc., New York.
Steel Bond Sanitary Flooring. Franklyn R. Muller & Co., Waukegan, Ill.
Steelcase Business Equipment. Metal Office Equipment Co., Grand Rapids, Mich.
Steel City Electrical Fittings. Steel City Elec. Co., Pittsburgh, Pa.
Steelclad Heaters and Transformers. Westinghouse Electric & Mfg. Co., E. Pittsburgh, Pa.
Steel-Clad Hoisting Rope. American Steel & Wire Co., Chicago.
Steelclad R. R. Hand Lanterns. R. E. Dietz Co., New York.
Steel Clay. Thomas Moulding Brick Company, Chicago.
Steelcrete Expanded Metals. Consolidated Expanded Metal Cos., The, Braddock, Pa.
Steelcrete Products. Expanded Metal Engineering Co., New York.
Steelcote Portable Buildings. Edwards Mfg. Co., Cincinnati, O.
Steel-cene Iron-Cement. E. W. Jenkins, Chicago.
Steel Gem Casters. The Bassick Company, Bridgeport, Conn.
Steelgard Paints. Briggs-Maroney Co., Everett, Mass.
Steel Giant Equalizers. E. B. Adams & Son, Racine, Wis.
Steel-Grip Gloves (Mittens, Pads). Industrial Gloves Corp., Owners of Hickory Steel-Grip Glove Co., Inc., Chicago.
Steel-Handle Wrenches. Coes Wrench Co., Worcester, Mass.
Steel Hull Port Lights. Thos. McLaughlin Co., Portland, Me.
Steel King Bottom Dump Wagons. F. MacKinnon Mfg. Co., Grand Rapids, Wis.
Steel King Cultivators. Donaldson Bros., Mt. Clemens, Mich.
Steel King Self Dumping Rakes. Messinger Mfg. Co., Tatamy, Pa.
Steel King Silo Fillers. Belle City Mfg. Co., Racine, Wis.
Steel King Tractors. Hart-Parr Co., Charles City, Ia.
Steel-Kote Paints. Cook Paint & Varnish Co., Kansas City, Mo.
Steel-lead Skylites. American 3 Way-Luxfer Prism Co., Cicero, Ill.
Steel Mixture Fire Brick and Boiler Settings. McLeod & Henry Co., Troy, N. Y.
Steel-Polished Perfection Hardwood Flooring. Jno. Schroeder Lbr. Co., Milwaukee, Wis.
Steel Pressure Exhaust Fans. B. F. Sturtevant Co., Hyde Park, Mass.
Steel Pyramid Poultry Coops. United Steel & Wire Co., Battle Creek, Mich.
Steel Ribbon Locking Bar Spacer. Steel & Iron Products Co., Chicago.
Steel-Split Belt Conveyor Rolls. Link-Belt Co., Chicago, Indianapolis, Philadelphia.
Steel State Padlocks. Fraim-Slaymaker Hardware Co., Inc., Lancaster, Pa.
Steel Storage Magazines. Hercules Powder Co., Wilmington, Del.
Steel-Strong Coin Wrapper; Coin Counters; Coin Storage Trays; Cloth Coin Bags and Bill Straps. The Downey Company, C. L., Cincinnati, Ohio.
Steel Tubular Sprue Cutters. Adams Co., Dubuque, Ia.
Steel-Eye Filing Envelopes. Geo. B. Groff Co., Boston.
Steelbound Cork Mats. La Porte Mat & Mfg. Co., La Porte, Ind.
Steele-Harvey Metal Melting and Refining Furnace. Monarch Engineering & Mfg. Co., Baltimore, Md.
Steelcote Asphalt Roofing. A. H. White Co., Ltd., New Orleans, La.
Steelcrete Expanded Metal Lath, Plasters, Steel Corner Beads. Consolidated Expanded Metal Co.'s. Braddock, Pa.
Steelduct Conduits and Fittings. Steelduct Co., Youngstown, Ohio.
Steelex Ball Valve Seats. Chas. N. Hough Mfg. Co., Franklin, Pa.
Steelhead Screw Driver. The Washburn Company, Chicago (Cassady-Fairbank) Division, Chicago.
Steelite Elevator Gates. Paterson-Leitch Co., Cleveland, O.
Steelite Red Friction. C. B. Hewitt & Bros., Inc., New York.
Steelite Tool Steel, Milling Cutters and Surgical Instruments. Haynes Steelite Co., New York.
Steelmark Crayons. Walter A. Zelnicker Supply Co., St. Louis, Mo.
Steelton Positive Switch Stands. Bethlehem Steel Co., Bethlehem, Pa.
Steelweld Welding Rods. Steel Sales Corp., Chicago.
Steel Wing Guy Anchor. Hubbard & Co., Pittsburgh, Pa.
Steemo Vapor Injector. Frank List McMechen, San Diego, Cal.
Steen Keyless Combination Locks. The Triple Metals Corp., Waukegan, Ill.
Steenrod Windmill Regulators. Woodmanse Mfg. Co., Freeport, Ill
Steer Belting. Joseph Meier's Sons, Newark, N. J.
Steer Leather Belting. McCauley Belting Co., Chicago.
Steer-Post Automobile Lock. H-R Manufacturing Co., Chicago.
Steer Relief Gears. H. M. Strong Steel Prod. Co., Cleveland.
Steer's Patent Expansive Bits. C. E. Jennings & Co., New York.
Steerstok Leather Belting. Olmsted-Flint Company, Cambridge, Mass.
Stefco Sectional Steel Buildings. Fort Pitt Steel & Iron Works, Pittsburgh.
Stefco Steel Buildings. Steel Fabricating Corp., Michigan City, Ind.
Stegeman Trucks. Stegeman Motor Car Co., Milwaukee, Wis.
Stein Exhaust Heads. John J. Stein, Brooklyn, N. Y.
Steinbrunn Boring Bars. Diamond Specialty & Supply Co., Phila.
Steiner Electric Coffee Mills, Motor-Driven Washing Machines. Steiner Mfg. Co., St. Louis.
Steiner Ovens. E. F. Steiner & Co., Newark, N. J.
Steineld Meat and Food Choppers, Sleds and Steering Coasters, Ironing Boards. Steinfeld Bros., New York.
Steinfeld Window Screens. Geneva Mfg. Co., Geneva, Ill.
Steinle Full Swing Side Carriage Turret Lathes. Steinle Turret Machine Co., Madison, Wis.
Steitz Potato Sprayers. Stevens Mfg. & Foundry Co., Decatur, Ill.
Stella Refined Petroleum. Tide Water Oil Co., New York.
Stellar Kerosene Lamp Burners. Edw. Miller & Co., Meriden, Conn.
Stellite Lathe and Machine Tools; Metal Alloys. Haynes Stellite Co., Kokomo, Ind.
Stelle's Eureka Sap Spouts. Wilcox, Crittenden & Co., Inc., Middletown, Conn.

Stempak Packing. Goetze Gasket & Packing Co., New Brunswick, N. J.
Stem-Tite Packing. Metric Packing Co., Buffalo.
Stengel Bed and Furniture Casters. Tucker & Dorsey Mfg. Co., Indianapolis.
Stenman Automobile Engine Valve Grinders. Stenman Electric Valve Grinding Co., Inc., Worcester, Mass.
Stenno Carbon Papers and Typewriter Ribbons. Stenno Carbon Paper Mfg. Co., Portland, Ore.
Stenotype Shorthand Typewriters. Stenotype Co., Indianapolis.
Stephan Stick Belt Dressing. The Desmond-Stephan Mfg. Co., Urbana, O.
Stephens Automobiles. Stephens Motor Co., Moline, Ill.
Stephens Linemen's Climbers. W. H. Buckingham, Binghampton, N. Y.
Stephens Ratchet Wrenches. Burgess-Norton Mfg. Co., Geneva, Ill.
Stephenson Bar Belt Dressing. Stephenson Mfg. Co., Albany, N. Y.
Stephenson Cans, Bathroom Fixtures, Dry Earth Closets, Tumbler Holders, Pumping Outfits. C. F. Stephenson, Lynn, Mass.
Stephenson Patent Water Coolers. L. Anderson Co., Martinez, Cal.
Stephenson Rope Dressings. Stephenson Mfg. Co., Albany N. Y.
Steptoe Millers and Shapers. The John Steptoe Co., Cincinnati, O.
Sterbon Grinding Wheels. Sterling Grinding Wheel Co., Tiffin, O.
Stereomotograph (Automatic Stereopticon). Chas. Beseler Co., N. Y.
Sterilac Chemical Sterilizer. Abbott Laboratories, Chicago.
Sterilac Milk Pails. Dover Stamping & Mfg. Co., Cambridge, Mass.
Sterling Adding Machine Rolls. Rockwell-Barnes Co., Chicago.
Sterling Adjustable Mossberg Wrenches. Frank Mossberg Co., Attleboro, Mass.
Sterling Automobile Springs. Sterling Spring Co., Cleveland.
Sterling Automobile Starting Cranks. Sterling Products Corp., St. Louis.
Sterling Auto Bumpers. Sterling Spring Co., Cleveland.
Sterling Band Iron Column Clamps. Sterling Wheelbarrow Co., Milwaukee, Wis.
Sterling Barn Door Hangers. Lawrence Bros., Sterling, Ill.
Sterling Barrows, Carts, Trucks, Molders Flasks, Sprue Boxes. Sterling Wheelbarrow Co., Milwaukee, Wis.
Sterling Battery Meters. Sterling Mfg. Co., Cleveland.
Sterling Belting and Water Well Cups. Chicago Belting Co., Chicago.
Sterling Blotting Paper. Standard Paper Mfg. Co., Richmond, Va.
Sterling Blowers; Dust Separators; Furnace Feeders; Automatic Metal Drying Machines. Sterling Blower Co., Hartford, Conn.
Sterling Boiler Flue and Tube Cleaners. W. R. Pierce Co., Buffalo, N. Y.
Sterling Braided Sash Cord. Wm. E. Hooper & Sons, Baltimore, Md.
Sterling Cannon Heater. The Tappan Stove Company, Mansfield, O.
Sterling Carpet Sweepers. Metal Stampings Corp., Streator, Ill.
Sterling Carpets. Henry Rath, Jr., Philadelphia, Pa.
Sterling Caulktite for Caulking, Glazing and Airproofing. Sterling Products Co., Cleveland, O.
Sterling Coffee and Spice Mills. Wrightsville Hardware Co., Wrightsville, Pa.
Sterling Core Compounds. Sterling Oil Co., Emlenton, Pa.
Sterling Corn and Cob Mills, Clod Crushers, Fertilizer Distributors, Seeders and Sowers, Potato Diggers. Sterling Mfg. Co., Sterling, Ill.
Sterling Corrugated Metal Culverts. Galion Iron Works & Mfg. Co., Galion, Ohio.
Sterling Cotton Duck, Tents, Tarpaulins, Wagon Covers, Etc. Textile Products Mfg. Co., St. Louis.
Sterling Cotton Hose. Mechanical Rubber Co., New York.
Sterling Crown Fire Brick. Chicago Retort and Fire Brick Co., Chicago.
Sterling Cylindrical Grinders and Tool Grinders. McDonough Mfg. Co., Eau Claire, Wis.
Sterling Dredge Chains. The Krein Chain Co., Wapakoneta, O.
Sterling Eclipse Stoves. Eclipse Stove Co., Mansfield, Ohio.
Sterling Electric Car Brakes. Lord Mfg. Co., New York.
Sterling Electric Sirens. Inter-State Machine Products Co., Inc., Rochester, N. Y.
Sterling Emery and Corundum Wheels. Sterling Grinding Wheel Co., Tiffin, Ohio.
Sterling Emery Wheel Dressers, Hack Saw Blades and Frames. Diamond Saw & Stamping Works, Buffalo, N. Y.
Sterling Enamel Paper. West Virginia Pulp and Paper Co., Inc., New York.
Sterling Engines. Sterling Engines Co., Buffalo, N. Y.
Sterling Exhaust Heads, Blast Gates, Furnace Feeders, Ball Joints, Propeller Fans, Blowers, Dust Collectors nad Separators, etc., Ventilators. Sterling Blower Co., Hartford, Conn.
Sterling Family Funnels, Fry Pans, Milk Dippers. Central Stamping Co., New York.
Sterling Farm Wagons. Abingdon Wagon Co., Abingdon, Ill.; International Harvester Company of America, Inc., Chicago.
Sterling Field and Poultry Fence. Northwestern Barb Wire Co., Sterling, Ill.
Sterling Fire Brick. Chicago Retort & Fire Brick Co., Chicago.
Sterling Foundry Flasks, Barrows, Carts, Trucks, Boxes, Skim Gates, Maple Wedges and Gate Sticks. Sterling Wheelbarrow Co., Milwaukee, Wis.
Sterling Fountain Pens. Davidson Rubber Co., Boston.
Sterling Furnace and Ranges. Sill Stove Works, Rochester, N. Y.
Sterling Garden Hose Reels. Cardington Cabinet Co., Cardington, O.
Sterling Grade Tents and Canvas Goods. Canvas Products Co., St. Louis, Mo.
Sterling Grain Car Loaders. Link-Belt Company, Chicago, Indianapolis, Philadelphia; H. W. Caldwell & Son, Chicago.
Sterling Grindstones. Cleveland Stone Co., Cleveland, O.
Sterling Hack Saw Blades. Diamond Saw & Stamping Works, Buffalo, N. Y.
Sterling Harness Snaps. Covert Mfg. Co., Troy, N. Y.
Sterling Hay Carriers, Sickel Grinders. Whittaker Mfg. Co., Chicago.
Sterling Hose and Cords. Safety-Armorite Conduit Co., Pittsburgh, Pa.
Sterling Ice and Refrigerating Machinery. United Iron Wks., Inc., Kansas City, Mo.
Sterling Incandescent Electric Lamps. Sterling Electric Lamp Works of G. E. Co., Warren, Ohio.
Sterling Ink Erasers. Turner Bros., Philadelphia.
Sterling Irrigation and Water Meters and Recording Gauges. R. W. Sparling, Los Angeles.
Sterling Kitchen Machinery. Austice & Co., Inc., Josiah, Rochester, N.Y.
Sterling Lampwicks. Estes Mills, Fall River, Mass.
Sterling Lathes. Shepard Lathe Co., Cincinnati, O.
Sterling Leather Belting. Charles Bond Co., Philadelphia, Pa.
Sterling Levels, Transits & Engineering Instruments. Warren Knight Co., Philadelphia.
Sterling Lithopone. Eagle Picher Lead Co., Chicago, Ill.; Midland Chemical Co., Chicago.

Sterling Mazda Lamps. Inland Electric Co., Chicago, Ill.
Sterling Meat and Food Choppers, Slicing Machines. N. R. Streeter & Co., Rochester, N. Y.
Sterling Miners Wick. Estes Mills, Fall River, Mass.
Sterling No-Rivet Damper Clips. Meister & Cochran, Sterling, Ill.
Sterling No-Rivet Damper Clips, Step Ladder Stools. Sterling Fdry. Co., Sterling, Ill.
Sterling Oil and Grease Cup Lubricators. Wm. Powell Co., Cincinnati, O.; Sterling Machine & Stamping Co., Wellington, Ohio.
Sterling Oiled Stencil Board. C. B. Hewitt & Bros. Inc., New York.
Sterling Oxide of Zinc. New Jersey Zinc Co., New York.
Sterling Packing. A. W. Chesterton Co., Boston.
Sterling Packing. A. W. Chesterton Co., Boston; Empire Tire & Rubber Corp., Trenton, N. J.; Montgomery Bros., Inc., Philadelphia.
Sterling Papers. Worthy Paper Co. Association, Mittineague, Mass.
Sterling Piston Rings. Sterling Products Corp., St. Louis, Mo.
Sterling Printing Presses. Printing Machinery Co., Cincinnati.
Sterling Propeller Wheels. Sterling Engine Co., Buffalo.
Sterling Pumps and Water Supply Systems. Sterling Pump Works, Inc., Stockton, Cal.
Sterling Pure Aluminum. Sterling Aluminum Co., Erie, Pa.
Sterling Rail Saws. Diamond Saw & Stamping Works, Buffalo.
Sterling Razor Stroppers and Gold Penclis. Samuel Kanner, Long Island City, N. Y.
Sterling Refuse Destructors. The Griscom-Russell Co., New York.
Sterling Return, Vacuum and Separating Traps. Templeton Mfg. Co., Hyde Park, Mass.
Sterling Roof Preservatives, Protective Coatings, Plastic Specialties. Sterling Products Co., Cleveland, O.
Sterling Round Cornering Machines. Southworth Machine Co., Portland, Me.
Sterling Rubber Insulated Wires and Cables. Standard Underground Cable Co., Pittsburgh, Pa.
Sterling Rubber Tires, Tubes and Horse Shoe Pads. Sterling Tire Corp., Rutherford, N. J.
Sterling Safety Car Brakes. Lord Mfg. Co., Brooklyn, N. Y.
Sterling Ship Water Closets. Thos. Laughlin Co., Portland, Me.
Sterling Sliding Furniture Shoes. R. S. Fetter, Buffalo.
Sterling Spark Plugs. Lockwood-Ash Motor Co., Jackson, Mich.
Sterling Spring Lubricators. The Sterling Mfg. Co., Cleveland, O.
Sterling Steam Traps. Templeton Mfg. Co., Hyde Park, Mass.
Sterling Stoves, Ranges, Heaters and Furnaces. Sill Stove Wks., Rochester, N. Y.
Sterling Switchboards, Panel Boards, Knife Switches, Iron Boxes. Sterling Switchboard Co., Camden, N. J.
Sterling Tack Claws and Pullers. Browne & Dowd Mfg. Co., Meriden, Conn.
Sterling Tents, Wagon Covers, Tarpaulins, Grass Catchers. Textile Products Mfg. Co., St. Louis, Mo.
Sterling Tracing Cloth. Defiance Mfg. Co., New York.
Sterling Transits and Levels. Warren-Knight Co., Philadelphia, Pa.
Sterling Trolley Bases. Sterling Trolley Base Co., Newark, N. J.
Sterling Truk-Ware. Sterling Wheelbarrow Co., Milwaukee, Wis.
Sterling Trucks. Sterling Motor Truck Co., Milwaukee, Wis.
Sterling Typewriter Ribbons. E. A. Brecher & Co., New York.
Sterling Vacuum Cleaners. Sterling Vacuum Cleaner Co., Worcester, Mass.
Sterling Varnishes. Sterling Varnish Co., Pittsburgh, Pa.
Sterling Veneered Doors. Roddis Lumber & Veneer Co., Marshfield, Wis.
Sterling Vises. Lowville Machine & Vise Co., Inc., Lowville, N. Y.
Sterling Water Gauges. Williams Gauge Co., Pittsburgh.
Sterling Water Tube Expanders. Gustav Wiedeke & Co., Dayton, O.
Sterling Washers. Boston Woven Hose & Rubber Co., Cambridge, Mass.; Superior Machine Co., Sterling, Ill.
Sterling Wheelbarrows and Carts. Sterling Wheelbarrow Co., Milwaukee, Wis.
Sterling Wheels. Sterling Emery Wheel Mfg. Co., Tiffin, O.
Sterling White Lead. National Lead Co., New York.
Sterling White Lithopone. Midland Chemical Division of The Eagle-Picher Co., Chicago.
Sterlingworth Brake Beams. Chicago Railway Equipment Co., Chicago.
Sterling Wrenches. Frank Mossberg Co., Attleboro, Mass.
Sterlite Alloy. Sterling Metal Co., Auburn, Ind.
Sterlith Grinding Wheels. Sterling Grinding Wheel Co., Tiffin, O.
Sternes Toilet Soap. Cincinnati Soap Co., Cincinnati.
Sterno Canned Heat (Solidified Alcohol). S. Sternau & Co., Inc., Brooklyn, N. Y.
Sterno-Condensite Moulded Insulation. International Insulating Corp., New York.
Sternoid Molded Insulation. International Insulating Corp., New York.
Sternwear Blowout Proof Inner Tubes. Burkoe Tire & Rubber Co., St. Louis, Mo.
Stets Boiler Feed Controllers. The Williams Gauge Co., Pittsburgh, Pa.
Stetson Chair Tips. Elastic Tip Co., Boston.
Steuben Artistic Glass Ware. Corning Glass Works, Corning, N. Y.
Steuben Step Ladders. W. W. Babcock Co., Bath N. Y.
Stevedore Transmission and Hoisting Rope. C. W. Hunt Co., West New Brighton, N. Y.
Stevens Can Filling Machines. Ayars Machine Co., Salem, N. J.
Stevens Cold Storage Doors. Cold Storage Door Co., Chester, Pa.
Stevens-Duryea Automobiles. Stevens-Duryea, Inc., Chicopee Falls, Mass.
Stevens Fertilizer Distributors, Seeders and Sowers. Belcher & Taylor Agrl. Tool Co., Chicopee Falls, Mass.
Stevens Fire Brick. Stevens Bros. & Co., Stevens Pottery, Ga.
Stevens' King Can Filling Machines. Sprague Canning Machinery Co., Chicago.
Stevens Potato Planters. Stevens Mfg. & Foundry Co., Decatur, Ill.
Stevens Underfeed Stoker. Nelson Blower & Furnace Co., Boston, Mass.
Stevens Water Level Recorders Continuous. Leupold Voelpel & Co., Portland, Ore.
Stevenson Ladders. Cresmer Mfg. Co., Riverside, Cal.
Stevenson Multiple Shaper. Stevenson Gear & Mfg. Co., Indianapolis, Ind.
Steward Mechanical Davits, Lifeboats and Equipment, Line Throwing Guns. Steward Davit & Equipment Corp., New York.
Stewart Auto Accessories. Stewart-Warner Speedometer Corp., Chicago.
Stewart Axes. American Axe & Tool Co., Glassport, Pa.
Stewart Brons Bearing Metal. Stewart Mfg. Co., Chicago.
Stewart Bumpers, Indicators and Speedometers. Stewart-Warner Speedometer Corp., Chicago.
Stewart Butter Printing and Cutting Machines. American Butter Cutting Machine Co., Elmsford, N. Y.
Stewart Carburetors. Detroit Lubricator Co., Detroit, Mich.
Stewart Coal Jigs. Link-Belt Co., Chicago, Indianapolis, Philadelphia; H. W. Caldwell & Son, Chicago.
Stewart Concrete Mixers. Stewart Mfg. Co., Waterloo, Ia.
Stewart Die Castings. Stewart Mfg. Co., Waterloo, Ia.
Stewart Furnaces Horse Clipping Machines, Sheep Shearing Machines. Chicago Flexible Shaft Co., Chicago.
Stewart Jigs. Robert & Schaefer Co., Chicago.
Stewart Little Major Gasoline Engines. Chicago Flexible Shaft Co., Chicago.
Stewart Logging Blocks. Stewart Bros. Co., Portland, Ore.
Stewart Motor Trucks. Stewart Motor Corp., Buffalo, N. Y.
Stewart Pig Iron. Stewart Iron Co., Sharon, Pa.
Stewart Safety Pins. Consolidated Safety Pin Co., Bloomfield, N. J.
Stewart Storage Batteries. Stewart Storage Battery Co., Marshfield, Wis.
Stewart Stoves, Ranges, Furnaces. Fuller-Warren Co., Milwaukee, Wis.
Stewart Tailors' Gas Irons. Central Flatiron Mfg. Co., Johnson City, N. Y.
Stewart V. Ray Searchlights. Stewart-Warner Speedometer Corp., Chicago.
Stewart Wire Wheels. Stewart Wire Wheel Co., Frankfort, Ind.
Stewart's Iron Fence. Stewart Iron Works, Cincinnati, O.
Stickalite Trouble Lamp Premier Electric Co., Chicago.
Stickers Cement Coated Wire Nails. Middleton Nail Wks., Phila.
Stickle Steam Traps. Stannard Power Equipment Co., Chicago.
Stickle Water Heater. Open Coil Heater & Purifier Co., Indianapolis, Ind.
Sticksure Gummed Tape. Augier Mills, Framingham, Mass.
Stifel Indigo Cloth. Stifel & Sons, J. R., Wheeling, W. Va.
Stik-Tite Leather Belt Cement. Milwaukee Leather Belting Co., Milwaukee, Wis.
Stick-Tite Seat Covers, Tire Patches and Window Patches. Cincinnati Auto Specialty Co., Cincinnati.
Stick-To Iron and Steel Cements. A. Wilhelm Co., Reading, Pa.
Stiktotin Tin Labeling Paste. Marks Chemical Works, New York.
Stiles Auto Whistles. Stiles Mfg. Co., St. Louis, Mo.
Stiles Drawbridge Circuit Controller. T. G. Stiles Co., Arlington, N. J.
Stiles Toilet Paper Holders. Cassady Fairbank Mfg. Co., Chicago.
Stillbech Brass Castings. New York Brass Foundry Co., New York.
Stillbech Hydraulic Valves and Unions. New York Brass Foundry Co., New York.
Stillman-Carmichael Damper Regulators. Stillman-Carmichael Co., Boston, Mass.
Stillwell Feed Water Heaters. Platt Iron Works Co., Dayton, O.; Worthington Pump & Machinery Corporation, New York.
Stimpson Eyelets; Grommets; Hoists; Rivets; Washers; Etc. Edwin B. Stimpson Co., Brooklyn, N. Y.
Stimpson Scales. Stimpson Scale & Electric Co., Northville, Mich.
Stine Mine Fans. S. B. Stine, Osceola Mines, Pa.
Stine's Screw Holes. The Stine Screw Holes Co., Waterbury, Conn.
Stirling Water Tube Boilers. Babcock & Wilcox Co., New York.
Stitt Spark Plugs. Stitt Ignition Co., Columbus, O.
Stix-to-Iron Asbestos Cements. A. Wilhelm Co., Reading, Pa.
Stockbridge Two-Piece Crank Shapers. Stockbridge Machine Co., Worcester, Mass.
Stocker Material Washer. Stocker Material Washer Co., Highland, Ill.
Stockton Gang Plows. H. C. Shaw Co., Stockton, Cal.
Stockwell-Gerrish Wheel-Dog. Railroad Wheel Dog Co., Tacoma, Wash.
Stoco Safety Goggles. Standard Optical Co., Geneva, N. Y.
Stoddard Tire and Axle Shrinkers. Illinois Iron & Bolt Co., Carpentersville, Ill.
Stoddard Tire Shrinkers. American Skein & Fdry. Co., Racine, Wis.
Stoever Pipe Bending and Pipe Threading and Cutting Machines. Treadwell Engineering Co., Easton, Pa.
Stokes Carburetor. Nelson Tool Co., Inc., New York.
Stokes Hospital Stretchers. Kny-Scheerer Co., New York.
Stokes Racks. Stokes Bros. Mfg. Co., Freehold, N. J.
Stokes Tablet Machines. F. J. Stokes Machine Co., Philadelphia.
Stoll Sheet Metal Machinery. The D. H. Stoll Co., Inc., Buffalo, N. Y.
Stoll's Sheet Metal Tools. D. H. Stoll & Co., Buffalo, N. Y.
Stone Shock Absorbers. Universal Rim Co., Chicago.
Stone Tex Damp Resisting. Truscon Laboratories, Detroit, Mich.
Stone White Refrigerators. Maine Mfg. Co., Nashua, N. H.
Stone Wool Dryers. James Hunter Machine Co., N. Adams, Mass.
Stonebridge Non-Drip Registering Candle Savers. C. H. Stonebridge Mfg. Co., New York.
Stonehouse Standard Stock Signs and Tags for Accident Prevention. The Stonehouse Steel Sign Co., Denver, Colo.
Stonekote. Garden City Sand Co., Chicago.
Stonemetz Printing Presses. Challenge Mach. Co., Grand Haven, Mich.
Stonewall Cook Stove. B. C. Bibb Stove Co., Baltimore, Md.
Stonewall Hose. Goodall Rubber Co., Philadelphia, Pa.
Stonoil Cylinder Oils. Pike Mfg. Co., Pike, N. H.
Stonore Rubber Belting. New York Rubber Co., New York.
Stonetex Brick and Concrete Paints. Truscon Laboratories, Detroit.
Stone-Tile Hollow Building Tile and Equipment. National Stone-Tile Co., San Francisco, Cal.
Stop Leak Roofing Cements and Paint. Jones Paint Co., Rome, N. Y.
Stop Thief Auto Locks. Long Distance Spark Plug Co., Birmingham, Ala.
Stopehamer Rock Drill. Ingersoll Rand Company, New York.
Stopshok Automobile and Motor Truck Wheels. J. L. Davis & Sons Co., Stopshok Wheel Division, West De Pere, Wis.
Storie Brass Valves. Scully Iron & Steel Co., Chicago.
Storm Clamp Frogs and Spring Rail Frogs, Switches and Crossings. Pettibone, Mulliken & Co., Chicago.
Storm King Automobile Accessories for Fords. Storm King Mfg. Co., Winneconne, Wis.
Storm-King Blue Rosin Sized Sheathing Paper. Barrett Co., New York.
Storm King Door Hangers. Safety Door Hanger Co., Ashland, O.
Storm King Hot Air Furnaces. Roberts-Hamilton Co., Minneapolis; Union Stove Works, New York.
Storm King Leather Belting. Meier-Andres Belting Co., Newark, N. J.
Storm Proof Ventilators. General Sheet Metal Wks., Bridgeport, Conn.
Storm Shutter Port Lights. Thos. Laughlin Co., Portland, Me.
Stormproof Barn Door Hangers. National Mfg. Co., Sterling, Ill.
Stormtight Roof Coating. L. Sonneborn Sons, Inc., New York.
Stormtite Damp Resisting Concrete Paints. Storm Waterproofing Corp., New York.
Stormtite Waterproof Paint. Walter H. Storm Co., New York.
Storrs Mica Chimneys, Cylinders and Canopies. Storrs Mica Co., Oswego, N. Y.
Stortz Cement Tools. John Stortz & Son, Inc., Philadelphia, Pa.
Stouts Adjusto Lock Automobile Steering Wheels. Coulter Mfg. Co., Inc., Buffalo, N. Y.
Stove Jumbo Gas Burners. Am. Lava Corp., Chattanooga, Tenn.

Stoveoil Stove Polish. Superior Laboratories, Grand Rapids, Mich.
Stover Gasoline Engine. Stover Mfg. & Engine Co., Freeport, Ill.
Stover Wind Mills. Lamb & Co., Freeport, Ill. Stover Mfg. & Engine Co., Freeport, Ill.
Stow Bench Grinders, Portable Drills and Flexible Shafts. Stow Mfg. Co., Binghamton, N. Y.
Stow Perfected Grinder. Stow Mfg. Co., Binghampton, N. Y.
Stowe Stokers. Laclede-Christy Clay Products Co., St. Louis, Mo.
Stowe Ticket Punches. Stowe Railway Punch Co., Newark, N. J.
Stowell Car Door Hangers and Hay Fork Pulleys. Stowell Co., So. Milwaukee, Wis.
Stowell Rift Flooring Machines. Filer & Stowell Co., Milwaukee, Wis.
Stow's Patent Stove Brick. Silas J. Stow, New Haven, Conn.
Stradivara Phonographs. Stradivara Phonograph Co., Portland, Ore.
Straight-Push Sash Operators. G. Drouve Co., Bridgeport, Conn.
Straightline Electric Bells. P R Mfg. Co., Detroit, Mich.
Straitaway Bath Traps. Donley Bros. Co., Cleveland, O.
Straitaway Self-Cleaning Strainer. Self-Cleaning Strainer Co., Chicago
Straitflo Mine Fan. Jeffry Mfg. Co., Columbus, O.
Straitsville Impervious Face Brick. Thomas Moulding Brick Co., Chicago.
Strand Flexible Shafts. R. G. Haskins, Chicago.
Strand High Speed Positive Pressure Blower; Flexible Shaft Grinding and Polishing Machines; Power Screw Drivers and Nut Setters. N. A. Strand & Co., Chicago.
Strand Pneumatic Die Cushions. Marquette Tool & Mfg. Co., Chicago.
Stranglehold Paint, Varnish, etc. Rennous, Kleinle & Co., Baltimore, Md.
Strateline Rulers. Westcott Rule Co., Inc., Seneca Falls, N. Y.
Stratford Oakum. Geo. Stratford Oakum Co., Jersey City, N. J.
Stratford Plated Silverware. Holmes & Edwards Silver Co. (Br. of International Silver Co.), Bridgeport, Conn.
Stratford Silent Syphon Jet Water Closets. Central Metal & Supply Co., Baltimore, Md.
Stratford Stoves. North Dighton Stove Co., North Dighton, Mass.
Stratton Jr. Oil Separators. The Griscom-Russell Co., New York.
Stratton Level Co. Levels. Goodell-Pratt Co., Greenfield, Mass.
Stratton Steam and Air Separators. Griscom-Russell Co., New York.
Straus Glassware. L. Straus & Sons, New York City.
Strauss Diamond Eye Ice Skates. J. E. Strauss, St. Paul, Minn.
Strauss Trunnion Bascule and Direct Lift Bridges. The Strauss Bascule Bridge Co., Engineers, Chicago.
Stream-line Cylinder Ports, Franklin Ry. Supply Co., New York.
Streator Carpet Sweepers. Metal Stamping Corp., Streator, Ill.
Streator Sewer Pipe. Streator Clay Mfg. Co., Streator, Ill.
Street Cleaners' Carts. The Lansing Company, Lansing, Mich.
Street Locomotive Stokers. Locomotive Stoker Co., Pittsburgh, Pa.
Streeter Blind Fasteners. Parker Wire Goods Co., Worcester, Mass.
Streeter's Valve Oil. Wadhams Oil Co., Milwaukee, Wis.
Streetts Ideal Motor Oil. J. D. Streett & Co., St. Louis, Mo.
Streich Farm Wagons. A. Streich & Bro. Co., Oshkosh, Wis.
Streine Sheet Metal Working Machines. Streine Tool & Mfg. Co., New Bremen, O.
Strelingworth Brake Beams. Chicago Railway Equip. Co., Chicago.
Strenes Iron Castings. Advance Foundry Co., Dayton, O.
Strength and Wear Babbitt Metal, Loading Chains, Logging Tools and Tool Steel. Woodward, Wight & Co., New Orleans, La.
Streno-Clamp Plumbers Force Cups. Samuel Lewis, New York.
Stretcher Rail Brick. The Nelsonville Brick Co., Nelsonville, O.
Strickler Door Hangers, Feed Carriers, Grapple Forks, Hay Slings, Hay Carriers. Strickler Hay Tool Co., Janesville, Wis.
Strickler Ratchet Pipe Cutter. W. W. Strickler & Bros., Columbus, O.
Strider Auto Horns. E. A. Laboratories, Brooklyn, N. Y.
Striet Pulley Turning Lathes. Avey Drilling Machine Co., Covington, Ky.
Strom Balls. Strom Steel Ball Company, Oak Park, Ill.
Strom Ball Bearings. Strom Ball Bearing Mfg. Co., Chicago.
Strom Clamp Progs. Pettibone Mulliken Co., Chicago.
Stromberg Carburetors. Stromberg Motor Devices Co., Chicago.
Strong Steam Specialties, Traps, Engine Stops, etc. The Strong, Carlisle & Hammond Co., Cleveland, O.
Strong Utility Flange Wrenches. Strong, Carlisle & Hammond Co., Cleveland, O.
Strong's Diamond Emery Tool. Montgomery & Co., Inc., New York.
Strong's Packing, Packing Hooks, Gaskets, Lubricating Oils and Greases, Rubber Valves. Strong Machinery & Supply Co., New York.
Stronghold Leather Belting. J. E. Rhoades & Sons, Philadelphia, Pa.
Stronghold Tires and Tubes. Rubber Products Co., Barberton, O.
Stroock Motorobes. S. Stroock & Co., New York.
Stroud Plows and Road Levelers. Stroud & Co., Omaha, Neb.
Structo Toys. Structo Mfg. Co., Freeport, Ill.
Structolite Calcined Gypsum. U. S. Gypsum Co., Chicago.
Struthers Pig Iron. Struthers Furnace Co., New York.
Stuart Hydraulic Operating Valves. Pittsburgh Valve, Foundry & Construction Co., Pittsburgh, Pa.
Stuart Joiners' Clamps. D. R. Stuart, Harlon, Ia.
Stuart Shovels. Wood Shovel & Tool Co., The, Piqua, O.
Stuarts No. 101 Quenching Oil. D. A. Stuart & Co., Inc., Chicago.
Stubbs Gasoline Burners. Incandescent Light & Stove Co., Cincinnati.
Stubbs Reels. Firth-Smith Co., Boston, Mass.
Stubbs Road Scrapers. Mechanical Mfg. Co., Chicago.
Stubby Bridge Reamers. American Machine Products Co., Detroit. Mich.
Stubby Steel Fishing Rods. American Display Co., Dayton, O.
Stucco-Steel Portable Buildings. Edwards Mfg. Co., Cincinnati. O.
Stucco Tex Cement Paint. Trucson Laboratories, Detroit, Mich.
Stucki Side Bearings. A. Stucki, Pittsburgh, Pa.
Stuckote Paints and Coatings. The National Roofing Co., Tonawanda, N. Y.
Stucolor Paints. Glidden Co., Cleveland, O.
Studebaker Automobiles. Studebaker, South Bend, Ind.
Stuebing Platform Trucks. Stuebing Truck Co., Cincinnati, O.
Stuhl Oil and Gasoline Pumps. A. C. Kraft, Chicago.
Stunner Peanut Roasters. Bartholomew Co., Peoria, Ill.
Stupakoff Pyrometers. The Stupakoff Laboratories, Pittsburgh, Pa.
Sturd-E Handles and Tools. Columbus Handle & Tool Corp., Columbus, Ind.
Sturdy Chains and Bracelets. Sturdy's Sons Co., J. F., Attleboro Falls, Mass.
Sturdy Ironing Boards. M. & M. Woodworking Co., Portland, Ore.
Sturdy Pumps. Goulds Mfg. Co., Seneca Falls, N. Y.
Sturges Steel Churns. Solar-Sturges Mfg. Co., Chicago.
Sturm Built Radio Consoles, Cabinets. Sturm Radio Cabinet Factory, Chicago.
Sturrock Patent Bridge Wall. Boston Engineering Co., Boston, Mass.
Sturtevant Automatic Coal Crusher and Sampler. Sturtevant Mill Co., Boston, Mass.
Sturtevant Crushing, Grinding, Screening, Elevating, Mixing and Weighing Machinery. Sturtevant Mill Co., Boston, Mass.
Sturtevant Fertilizer Machy. Sturtevant Mill Co., Boston, Mass.
Sturtevant Products. B. F. Sturtevant Co., Boston, Mass.
Stutz Automobiles. Stutz Motor Car Co., Indianapolis, Ind.
Stutzman Fruit Evaporators. Stutzman Mfg. Co., Ligonier, Ind.
Style A Ironing Machines. Adams Ldry. Machinery Co., Troy, N. Y.
Stylograph Books. McDonald Ledger & Loose Leaf Co., Chicago
Styrian Carbon, Alloy and High Speed Tool Steel. Houghton & Richards, Inc., Boston 9, Mass.
Styx Liquid Glue. M. Feigel & Bro., Inc., New York.
Styx Rubber Patch. Herbert E. Dickard, Monroe, La.
Suberit Cork Washers. Armstrong Cork & Insulation Co., Pittsburgh.
Submarine Leather Belting. Holyoke Belting Co., Holyoke, Mass.
Submarine Safety Fuse. Coast Mfg. & Supply Co., Livermore, Cal.
Submarine Soap Powders. J. T. Kenny & Co., St. Paul, Minn.
Sub-Marine Varnish. Forest City Paint & Varnish Co., Cleveland, O.
Submarine Waterproof Leather Belting. O'Meara Belting Co., Omaha, Neb.
Substanol Barium Cyanide. Hachmeister-Lind Chemical Co., Pittsburgh, Pa.
Subway Grating or Flooring. Irving Iron Works Co., Long Island City, N. Y.
Success Ash and Garbage Cans, Lawn Clothes Dryers. Success Mfg. Co., Gloucester, Mass.
Success Belt Dressing and Emery Grinders. Buffalo Specialty Co., Buffalo, N. Y.
Success Bottle Filling Machines. Federal Brass Works, Chicago.
Success Clippers. Coates Clippers Mfg. Co., Worcester, Mass.
Success Con Siphons. Riverside Foundry & Galvanizing Co., Kalamazoo, Mich.
Success Corn Huskers. Maytag Co., Newton, Ia.
Success Cream Separators. Deshler Mail Box Co., Deshler, O.
Success Curtain Fasteners. C. Cowles & Co., New Haven, Conn.
Success Cutters. L. F. Grammes & Sons, Inc., Allentown, Pa.
Success Emery Grinder. Buffalo Specialty Co., Buffalo, N. Y.
Success Fire Extinguishers. Johns-Manville, Incorporated, New York.
Success Flue Blowers. Chas. Nuhring & Bro., Cincinnati, O.
Success Gasoline Engines. Leavitt Mfg. Co., Urbana, Ill.
Success Hame Fasteners. O. B. North Co., New Haven, Conn.; North & Judd Mfg. Co., New Britain, Conn.
Success Harrow Carts. Moline Plow Co., Moline, Ill.
Success Ladders, Box Presses, Grading and Packing Machy. Success Mfg. Co., Spokane, Wash.
Success Lawn Sprinkler. Deming Co., Salem, O.
Success Metal Marking Machines. Hjorth Lathe & Tool Co., Boston.
Success Non-Freezing Fire Extinguisher. Johns-Manville, Incorporated, New York.
Success Pumps. Deming Co., Salem, O.
Success Ranges. Huenefeld Co., Cincinnati, O.
Success Riding Plows. International Harvester Company of America, Inc., Chicago.
Success Sectional Wire Wheel Brushes. The Herold Brothers Co., Cleveland.
Success Shirt Envelopes. American Paper Co., Seattle, Wash.
Success Tread Horse Powers. Appleton Mfg. Co., Batavia, Ill.
Success Washing Machines. Superior Machine Co., Sterling, Ill.
Success Water Gauges. Williams Gauge Co., Pittsburgh, Pa.
Success Wire Stretchers. Hohulin Bros., Goodfield, Ill.
Success Wood Pulp Grinders. Appleton Machine Co., Appleton, Wis.
Successful Incubators and Brooders. Des Moines Incubator Co., Des Moines, Ia.
Suchar Carbon. Industrial Chemical Co., New York.
Sucker State Corn Drills. Hayes Pump & Planter Co., Galva, Ill.
Su-Dig-Two Plug Ignition. Superior Motor Power Co., New York.
Sugg-Letheby Photometers. American Meter Co., Philadelphia.
Sulco-V. B. Insecticide. Cook & Swan Co., Inc., New York.
Sulfol Castor Oils. E. F. Houghton & Co., Philadelphia.
Sul-Furis Belting. U. S. Rubber Co., New York.
Sullivan Air Compressors; Hammer Drills; (Rotators) Rock Drills; (Lite-Weight and Hy-Speed) Diamond Drills; Drill Steel Furnaces; Drill Steel Sharpeners; (Ironclad) Coal Cutters; Stone Channelers; (Cyclone) Air Lift Boosters and Air Lift Pumps; Pneumatic Displacement Pumps; Cutter Bit Sharpeners; (Turbinair) Hoists and Coal Cutters; (Spaders) or Pneumatic Clay Diggers. Sullivan Machinery Company, Chicago.
Sullivan Roving Cans. Diamond State Fibre Co., Elsmere, Del.
Sullivan Shuttle Guards. Draper Corp., Hopedale, Mass.
Sullivan Trucks. Sullivan Motor Truck Corp., Rochester, N. Y.
Sullivan's Cutting and Drilling Compounds and Castor Oil Machines. Sullivan Oil Co., Chicago.
Sullivan's Oils, Greases, Boiler Purger, Cutting Compounds, Linseed Soap. Sullivan Oil Co., Chicago.
Sulpho-Napthol Disinfectant. Sawyer Crystal Blue Co., Boston, Mass
Sulprizio Aluminum Disc Wheels. United Engine & Machine Works. Inc., Fresno, Cal.
Sultan Emery. Abrasive Mining & Mfg. Co., Plymouth, Ind.
Sultan Emery and Corundum. Cutler & Wood Supply Co., Boston.
Sultan Rug Fasteners. Saml. Donchian Rug Co., Hartford, Conn.
Sumac Boiler Compounds, Iron and Steel Preserving Paints. Johnson Compound & Supply Co., Rochester, N. Y.
Sumet (High Lead Content) Bronze Bearing Metal; Bearings; Cored and Solid Bars. Sumet Corp., Buffalo, N. Y.
Summer Edgers, Power Sets, Log Turners, Etc. Summer Iron Works, Everett, Wash.
Summer Girl Oil Stoves. Taylor & Boggis Fdry. Co., Cleveland, O.
Summers Dump Cars. Summers Steel Car Co., Pittsburgh, Pa.
Summers Harness Awls. Lawton & Bushman, Burlington, Wis.
Summit Copper Asbestos Gaskets. Akron Metallic Gaskets Co., Akron, O.
Summit Lathes. Summit Machine Works, Worcester, Mass.
Summit Leather Belting. J. S. Turner Mfg. Co., Lowell, Mass.
Summit Stoves; Ranges; Furnaces. Summit Fdry. Co., Geneva, N. Y.
Summit (Texaco) Lubricating Oil. The Texas Company, New York.
Summit Typewriter Ribbons and Carbon Paper. Union Ribbon & Carbon Co., Philadelphia, Pa.
Summitt Typewriter Paper. Elsinore Paper Co., New York.
Sumner Saw and Shingle Mill Machy. Sumner Iron Wks., Everett, Wash.
Sumter Low-Tension Magnetos. Sumter Electrical Co., Chicago.
Sumter Packing. General Asbestos & Rubber Co., Charleston, S. C.
Sun Apple Slicing Machinery. Boutell Mfg. Co., Rochester, N. Y.
Sun Coffee Mills. Sun Mfg. Co., Columbus, O.
Sun Clothes Drying Cabinets. Chicago Dryer Co., Chicago.
Sun Cordage and Twine. American Mills Co., Atlanta, Ga.

Sun Dry Batteries. Stackpole Carbon Co., St. Marys, Pa.
Sun Lamp Burners. Edw. Miller & Co., Meriden, Conn.
Sun Oil Stoves and Heaters. Detroit Fdry. Co., Detroit, Mich.
Sun Tire Setters. D. H. Potts, Lancaster, Pa.
Sun Padlock Locks. United Lock & Hdwe. Co., Columbia, Pa.
Sunaco Motor Oils. Sun Co., Philadelphia.
Sunbeam Art Erasers. C. F. Pease Co., Chicago.
Sunbeam Cabinet Heater. Fox Furnace Co., Elyria, Ohio.
Sunbeam Electric Toasters and Irons. Chicago Flexible Shaft Co., Chicago.
Sunbeam Farm-Lites; Headlights; Turbo-Generators; Clothes Washers. Sunbeam Electric Mfg. Co., Evansville, Ind.
Sunbeam Incandescent Electric Lamps. Western Electric Co., New York.
Sun Beam Lawn Mowers. Chadborn & Coldwell Mfg. Co., Newburgh, N.Y.
Sunbeam Mazda Incandescent Electric Lamps. Western Elec. Co., New York.
Sun Bright Metal Polish, Furniture Polish. Patton Paint Co., Milwaukee, Wis.
Sunbeam Pipe and Pipeless Furnaces. Fox Furnace Co., Elyria, O.
Sunbeam Pit Acetylene Generator. Johnson Acetylene Gas Co., Crawfordsville, Ind.
Sunbeam Polish. Durst & Chartz Furniture Co., Carson City, Nev.
Sunbeam Red Sheet Packing. United & Globe Rubber Co., Trenton, N. J.
Sunbeam Stoves. Spear, Jas., Stoves and Heating Co., Philadelphia, Pa.
Sunbeam Wall Finishes. A. L. Rice, Inc., Adams, N. Y.
Sun Bleached Felts. Standard Felt Co., Chicago.
Sun Burnt Cover Paper. Hampden Glazed Paper & Card Co., Holyoke, Mass.
Sun Burst Alcohol Stoves. Thos. W. Houchin Co., New York.
Sunderman Safety Carburetors. Sunderman Corp., Detroit, Mich.
Sunderman Vacuum Carburetor. Sunderman Corp., Newburgh, N. Y.
Sundh Circuit Breakers and Pressure Regulators. Sundh Electric Co., Newark, N. J.
Sundstrand Adding Machines. Sundstrand Adding Machine Co., Rockford, Ill.
Sundstrand Lathes. Rockford Tool Co., Rockford, Ill.
Sundstrand Portable Adding and Listing Machine. Sundstrand Adding Mach Co., The, Rockford, Ill.
Sundstrand Silent Oil Burner. Sunstrand Engineering Co., Rockford, Ill.
Sunfast Khakies. W. W. Stanley, New York.
Sunflower Corn Brooms. Universal Broom Co., Chattanooga, Tenn.
Sunkist Fruit Juice Extractors. Blessing Electric & Mfg Co., Chi'go.
Sunlight Aluminum Cooking Utensils. Sterling Aluminum Co., Erie, Pa.
Sunlight Laundry Soap. Lever Bros. Co., Cambridge, Mass.
Sunlight Motors. Sunlight Eleectrical Mfg. Co., Warren, O.
Sunlight Paints. St. Louis Surfacer & Paint Co., St. Louis, Mo.
Sunlight Powder Paint. National Builders Co., Cleveland, O.
Sunlite Lenses and Retreading Machines. Sunlite Co., The, McKinney, Texas.
Sunlite Shade-Cloth. Interstate Shade Cloth Co., Hoboken, N. J.
Sunny Garden Canned Goods. National Packing Corp., Ogden, Utah.
Sunny South Grainbags. Cliver-Wright-Rainey Co., Cincinnati, O.
Sunny South Stoves. Hardwick Stove Co., Cleveland, Tenn.
Sunnysuds Washing Machines and Wringers. Sunnyline Appliances, Inc., Detroit.
Sunoco Automobile Lubricants. Sun Co., Philadelphia.
Sun Oil Cups. American Injector Co., Detroit, Mich.
Sun Proof Asbestos Paints. Patton Paint Co., Milwaukee, Wis.
Sunproof Garden Hose. Pioneer Rubber Mills, San Francisco, Cal.
Sun Proof Liquid Paint. Patton Paint Co., Milwaukee, Wis. Division, Milwaukee, Wis.
Sunray Mill White Paint. Hampden Paint & Chemical Co., Springfield, Mass.
Sun Ray Tank Heaters. J. L. Mott Iron Works, Trenton, N. J.
Sun-Red Edge Screen Cloth and Wire. Reynolds Wire Co., Dixon, Ill.
Sunset Belting, Air Drill and Suction Rubber Hose. Pioneer Rubber Mills, San Francisco, Cal.
Sunset Belting, Hose, Mats and Packing. **Pioneer Rubber Mills,** San Francisco, Calif.
Sunset Brooms and Brushes. Sunset Broom & Brush Co., San Francisco, Cal.
Sunset Carbon Black. L. Martin Co., New York.
Sunset Leather Belting. L. P. Degen Belting Co., San Francisco, Cal.
Sunset Lubricating Oils and Greases. Indian Refining Co., N. York.
Sunset Packing. A. W. Chesterton Co., Boston.
Sunset Twine. Linen Thread Co., New York.
Sunset Vineyard Plows. International Harvester Company of America, Inc., Chicago.
Sun-Shine Carriage Top Dressing, Brass Bed Polish, Dust Absorbing Floor Oils, Furniture Polish. E. W. Thumb, Chicago.
Sunshine Electric Cleaner. The Wise-McClung Mfg. Co., New Philadelphia, O.
Sunshine Mantles. Sunshine Mantle Co., Chanute, Kan.
Sun Shine Metal Polish. Atlas Auto Supply Co., Chicago.
Sun Shine Miners' Lamps. Hero Mfg. Co., Philadelphia, Pa.
Sun Shine Steam Heaters. Beard & Beard, Reading, Pa.
Sunshine Stoves, Ranges and Furnaces. The Reading Stove Works. Orr, Painter & Co., Reading, Pa.
Sun Shine Vacuum Carpet Sweepers. Household Mfg. Co., Phila.
Sun Shine Washing Machines. Voss Bros. Mfg. Co., Davenport, Ia.
Sun Solder. L. B. Allen Co., Chicago.
Sun-Star Turndown Lamps. F. J. Rooney Lamp Co., Hoboken, N. J.
Sun Varnish. Sun Varnish Co., Louisville, Ky.
Super Cast Die Castings. The Superior Die Casting Co., Cleveland, Ohio.
Super Centrifuge Centrifugal Clarifiers and Separators. Sharples Specialty Co., West Chester, Pa.; Baltimore, Md.
Super-Glos Auto Cleaner, Polish, Top Renewer and Polishing Outfits. Super-Glos Mfg. Co., San Francisco, Cal.
Super Hydraulic Jacks. Beacon Bronze Co., Beacon, N. Y.
Super Micrometers. Pratt & Whitney Co., Hartford, Conn.
Super Motor Trucks. O'Connell Motor Truck Co., Waukegan, Ill.
Super Pipe Furnace. Utica Heater Co., Utica, N. Y.
Super-Plate Blotting Paper. Standard Paper Mfg. Co., Richmond, Va.
Super-Service Cord and Cable. Rome Wire Co., Rome, N. Y.
Super-Smokeless Pipe and Pipeless Furnaces. Utica Heater Co., Utica, N. Y.
Super Sulpher Rubber Minerals. R. T. Vanderbilt Co., New York.
Super-Test Asbestos Fibre Cement and Roofing Paints. Super-Test Products Co., Los Angeles, Cal.
Super-Unique Automobile Wrenches. Will B. Lane Unique Tool Co., Chicago.
Super Wrenches. Will B. Lane Unique Tool Co., Chicago.
Superadio Receiving Sets and Parts. DeWitt-La France Co., Cambridge, Mass.
Superb Shoe Blacking and Polishes. Whittemore Bros. Corp., Cambridge, Mass.
Superb Step Ladders. R. W. Whitehurst Mfg. Corp., Norfolk, Va.
Superba Carbon Blacks. Binney & Smith Co., New York.
Superba Cotton Flock. Strong Machinery & Supply Co., New York.
Superba Packing. Curry Bros. Oil Co., Boston, Mass.
Superba Shock Absorber. The Superb Mfg. Co., Inc., Remington, Ind.
Superbar Tires. Rubber Insulated Metals Corp., Richmond, Va.
Superbelt Belting. Philadelphia Belting Co., Philadelphia, Pa.
Superbo Automatic Water Heaters. Superbo Mfg. Co., Los Angeles.
Superfiltchar Carbon. Industrial Chemical Co., New York.
Superfine Japan Colors, for Automobile and Couch Work. Valentine Co., New York.
Superfine Soldering Flux. Thos. F. Lukens Metal Co., Phila, Pa.
Superfold Forms. The A. S. Gilman Printing Co., Cleveland, O.
Superflake Graphite. Superior Flake Graphite Co., Chicago.
Super Fyr-Fyter Fire Extinguisher. The Fyr-Fyter Co., Dayton, O.
Superlux Glass Lenses. Jefferson Glass Co., Follansbee, W. Va.
Super-Quality Piston Pins. Automotive Products Corp., Hazelton, Pa.
Super Dreadnought Automobile Inner Tubes. Dreadnought Tire & Rubber Co.
Superior Air Hose. Cleveland Pneumatic Tool Co., Cleveland, O.
Superior Auto Garage Heaters. Superior Mfg. Co., Pittsburgh, Pa.
Superior Auto Electric Headlights, Oil Lamps, Streamline Hoods, Ventilator Windshields, Commercial Rear Fenders, Demountable Wheels for Fords, Crown Fenders for Fords. Superior Lamp Mfg. Co., New York.
Superior Automobile Hdwe. Art Work Shop, Buffalo, N. Y.
Superior Automobile Radiator Covers. Frank S. Feeser Co., Indianapolis, Ind.
Superior Automobile Wind Shields. B. & B. Mfg. Co., Cleveland, O.
Superior Babbitt Metal. Atkinson Co., Rochester, N. Y.
Superior Band Saws. Frank Edge & Co., Grand Rapids, Mich.
Superior Belt Dressing, Rope Dressing. Superior Chemical Mfg. Co., Grand Rapids, Mich.
Superior Belting and Hose. Goodyear Rubber Co., New York.
Superior Belting, Belt Fasteners. Western Rawhide & Belting Co., Milwaukee, Wis.
Superior Blank Books. Gresham Blank Book Co., New York.
Superior Blue and Brown Print Paper. American Blue Print Paper Co., Chicago.
Superior Blue and Brown Print Paper and Cloth. New York Blue Print Paper Co., New York.
Superior Brazing Compound. Standard Flux Mfg. Co., Chicago.
Superior Buggy Aprons. J. B. Cretors, St. Paris, O.
Superior Caulking Cotton. Stratford Oakum Co., Jersey City, N. J.
Superior Cement. Wellston Iron Furnace Co., Jackson, O.
Superior Chain Blocks. David Round & Son, Cleveland, O.
Superior Chain Hoists. D. Round & Son, Cleveland, O.
Superior Chrome Wire. Alloy Metal Wire Co., New York.
Superior Churns. Superior Churn & Mfg. Co., Northville, Mich.
Superior Clamp Vises. Athol Mach. & Foundry Co., Athol, Mass.
Superior Coiled Wire Springs. The Superior Spring Co., Springfield, O.
Superior Combination Oil and Gas Burner. Oil Burner Supply Co., Los Angeles, Cal.
Superior Concrete Block Machinery. Eichelberger's Sons, Dayton, O.
Superior Copper Hardened Babbitt Metal, Insulating Tape and Roofing. Frick & Lindsay Co., Pittsburgh, Pa.
Superior Copperplated Oilers; Fillers; Brick Ice Cream and Ice Cans; Cylinders, etc. P. Wall Mfg. Supply Co., Pittsburgh.
Superior Corn and Cob Mills, Tank Heaters and Windmills. Duplex Mfg. Co., Superior, Wis.
Superior Crayons. Standard Oil Co., New York.
Superior Cream Separators. Superior Sheet Metal Works Co., Indianapolis, Ind.
Superior Cultivators, Garden Plows, Weeders, Wire Fence Stretchers. Bridgewater Plow Corp., Bridgewater, Va.
Superior Daters; Office Printing Outfits; Rubber Type; Sign Markers. R. A. Stewart & Co., New York.
Superior Deadening Felts. H. F. Watson Co., Erie, Pa.
Superior Die Castings. Superior Die Casting Co., Cleveland, O.
Superior Door Hangers. Richards-Wilcox Mfg. Co., Aurora, Ill.
Superior Door Holders, Hinges, Screen Door Checks. Superior Hinge Co., Chicago.
Superior Drilling Machines. Superior Machine Tool Co., Kokomo, Ind.
Superior Drill Sharpening Machines. Lake Shore Engine Works, Marquette, Mich.
Superior Drop Forgings. J. H. Williams & Co., Brooklyn, N. Y.
Superior Egg and Cream Beaters. Wickwire Spencer Steel Corp., Worcester, Mass.
Superior Electric Sad Irons. National Stamping & Electric Works, Chicago.
Superior Electrical Fittings. Steel City Electric Co., Pittsburgh, Pa.
Superior Engines and Machinery. Superior Iron Works Co., Superior, Wis.
Superior Feed Cutters. Hench & Dromgold Co., York, Pa.
Superior Fibre Plaster. Grand Rapids Plaster Co., Grand Rapids, Mich.
Superior Fire Brick. Chicago Retort and Fire Brick Co., Chicago.
Superior Fish Lines. Ashaway Line & Twine Mfg. Co., Ashaway, R. I.
Superior Fish Wire. Steel City Electric Co., Pittsburgh.
Superior Fly Traps. Peoria Can Co., Peoria, Ill.
Superior Gas Engines. Superior Gas Engine Co., Springfield, O.
Superior Gas and Gasoline Heaters. Bastian-Morley Co., La Porte, Ind.
Superior Gas Logs; Grates; Fireplace Fixtures; Bath Room Heaters, Garage Heaters; Andirons, etc. The Superior Mfg. Co., Pittsburgh, Pa.
Superior Gas Soldering Furnaces. Warren Machine Products Co., Warren, Pa.
Superior Graphite Paint. Detroit Graphite Co., Detroit, Mich.
Superior Grease Cup Lubricators. Detroit Shipbuilding Co., Detroit, Mich.
Superior Grinders, Heaters, Sawing Machines and Windmills. **Duplex** Mfg. Co., Superior, Wis.
Superior Duplex Grinding Mills. E. W. Ross, Springfield, O.
Superior Gutter Hangers. Berger Bros. Co., Philadelphia, Pa.
Superior Hand Card Cutters. Marshall Son & Co., Boston, Mass.
Superior Horse Rasps and Platinum Point Files. Nicholson File Co., Providence, R. I.
Superior Hydrate Lime. National Mortar & Supply Co., Pittsburgh.
Superior in Quality Woven Wire Fences. Frost-Superior Fence Co., Warren, O.
Superior Jointers, Gear Hobbing Machines and Lathe Turrets. Jones Superior Mach. Co., Chicago.
Superior Lamp Chimneys. Macbeth-Evans Glass Co., Pittsburgh.
Superior Land and Field Rollers. Mountville Mfg. Co., Mountville, Pa.

Superior Lawn Mower Sharpeners. Luther Grinder Mfg. Co., Milwaukee, Wis.
Superior Leather Belting. Baltimore Belting Co., Baltimore, Md.; Western Rawhide & Belting Co., Milwaukee, Wis.
Superior Linemen's Climbers. Jno. J. Reidy, New Haven, Conn.
Superior Liquid and Paste Wood Fillers, Paints and Varnish Wood Stains. S. E. M. Rice Filler Co., Irvington, N. J.
Superior Loose Leaf Devices. Superior Binder Co., Inc., New York.
Superior Lubricators. American Lubricator Co., Detroit, Mich.; Detroit Shipbuilding Co., Detroit, Mich.
Superior McCully Crushers. Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Superior-Mounted Electric Drill. Dooley Bros., Peoria, Ill.
Superior Manifold. Rockwell-Barnes Co., Chicago.
Supreme Marine Plants. Chicago Varnish Co., Chicago.
Superior Mailing Bags. Columbus Mailing Bag & Fabrics Co., Columbus, O.
Superior Music Wire. Steel Sales Corp., Chicago.
Superior Nickel Chronium Wire. Alloy Metal Wire Co., New York.
Superior Oak Leather Belting. Andrew Cowan & Co., Inc., Louisville, Ky.
Superior Oil Cans. National Enameling & Stamping Co., New York.
Superior Oil Filters. Handlan-Buck Mfg. Co., St. Louis, Mo.
Superior Oil Pump Lubricators. American Lubricator Co., Detroit, Mich.
Superior Oxide of Zinc. New Jersey Zinc Co., New York.
Superior Packing. Consolidated Rubber Co., Trenton, N. J.
Superior Packing. Consumers' Rubber Co., Cleveland, O.
Superior Piersen Gasoline Motor. Piersen Mfg., Co., Topeka, Kan.
Superior Pipe Wrenches. Hawkeye Wrench Co., Marshalltown, Ia.
Superior Piston Rings. A. E. White Mach. Wks., Eau Claire, Wis.
Superior Pneumatic Water Supply Systems. Samuel Sloan & Co., Rochester, N. Y.
Superior Portland Cement. The Wellston Iron Furnace Co., Jackson, O.
Superior Pump Leather. C. F. Adams, Ft. Worth, Tex.
Superior Rail Joints, Rail Benders; Derails, etc. Track Specialties Co., New York.
Superior Rawhide Belting. Western Rawhide & Belting Co., Milwaukee, Wis.
Superior Ready Made Houses, Barns, etc. Edwards Mfg. Co., Cincinnati, O.
Superior Resistance Wire. H. Boker & Co., New York.
Superior Reclaimed Rubber. U. S. Rubber Reclaiming Works, New York.
Superior Rolling Steel Doors and Shutters. Kinnear Mfg. Co., Columbus, O.
Superior Rubber Hose. Mechanical Rubber Co., Cleveland, O.
Superior Sash Operating Devise. Payson Mfg. Co., Chicago.
Superior Seals. American Seal Co., Bridgeport, Conn.
Superior Seeders, Corn Planters, Disc Harrows, Grain Drills. American Seeding Machine Co., Springfield, O.
Superior Shoe Polishes. Whittemore Bros., Corp., Cambridge, Mass.
Superior Shovels. Frick & Lindsay Co., Pittsburgh, Pa.
Superior Spark Plugs. Superior Motor Specialty Co., Philadelphia.
Superior Spur-Geared Blocks. D. Round & Son, Cleveland, O.
Superior Standing Seam Roofing. Milwaukee Corrugating Co., Milwaukee Wis.
Superior Starting Motor Brushes. Superior Carbon Products, Inc., Poughkeepsie, N. Y.
Superior Steam and Hot Water Heaters. Utica Heater Co., Utica, N.Y.
Superior Stoves and Ranges. Bridge & Beech Mfg. Co., St. Louis. Mo
Superior Sweep Horse Powers. Heebner & Sons, Lansdale, Pa.
Superior Tea Urns. Bramhall-Deane Co., New York.
Superior Thermal Bath Cabinets. Cabinet Mfg. Co., Quincy, Ill.
Superior Tobacco Counter Cutters. Wrightsville Hardware Co., Wrightsville, Pa.
Superior Tool Chests. American Mfg. Concern, Falconer, N. Y.
Superior Trucks. Abingdon Wagon Co., Abingdon, Ill.
Superior Vises. Chas. Parker Co., Meriden, Conn.
Superior Warm Air Heaters. Utica Heater Co., Utica, N. Y.
Superior Water Heater. Bastian-Morley Co., Chicago.
Superior Welding and Cutting Apparatus, Welding Supplies and Generators, Acetylene Generators. Superior Oxy-Acetylene Machine Co., Hamilton, O.
Superior Windshields, Wings and Radiator Caps. Golden Gate Brass Mfg. Co., San Francisco, Cal.
Superior Wood Working, Boring and Band, Sawing Machines and Swing Saws. Jones Superior Mach. Co., Chicago.
Superior Wrenches. Wm. E. Pratt Mfg. Co., Chicago; J. H. Williams & Co., Brooklyn, N. Y.
Super Iron and Steel. Wheeling Mold & Fdry. Co., Wheeling, W. Va.
Superite Magazine Pencils; Fountain Pens. De Witt-La France Co., Cambridge, Mass.
Super Kool Thread Cutting Oil. D. A. Stuart Co., Inc., Chicago.
Superl Metal Polish. Superl Mfg. Co., Los Angeles, Cal.
Superla Machine Oil. Standard Oil Co., Chicago.
Superlative Caulking Cotton. Stratford Oakum Co., Geo., Jersey City, N. J.
Super-Leyner Hammer Drills. Ingersoll-Rand Co., Jersey City, N. J
Superma Sheet and Piston Packings. J. J. Koepsell Co., Sheboygan, Wis.
Super Micrometer Bench Measuring Machine. Pratt & Whitney Co., Hartford, Conn.
Superno Superheaters. Superno Co., Inc., New York.
Supero Air, Brewers, Steam and Water Hose. Electric Hose & Rubber Co., Wilmington, Del.
Superoyl Oil Rings. McQuay-Norris Mfg. Co., St. Louis, Mo.
Superpumps. Traylor Engineering & Mfg. Co., Allentown, Pa.
Super-Service Cord and Cable. Rome Wire Co., Rome, N. Y.
Super-Six Electric Batteries. Burgess Battery Co., Madison, Wis.
Super Spectra Carbon Blacks. Binney & Smith Co., New York.
Supersteel Bars, Plates, Sheets, etc. Universal Steel Co., Bridgeville, Pa.
Superstrength Castings and Forgings. Wm. Cramp & Sons Ship & Engine Bldg. Co., Philadelphia.
Super Tread Tires. Gates Rubber Co., The, Denver, Colo.
Super-Vac Rubber Hose. W. H. Salisbury & Co., Inc., Chicago.
Supervane Exhaust Fans. B. F. Sturtevant Co., Hyde Park, Mass.
Supple Leather Belting. Schwartz Belting Co., New York.
Supple Rubber Hose. Electric Hose & Rubber Co., Wilmington, Del.
Supreme Auto Oil. Gulf Refining Co., Pittsburgh, Pa.
Supreme Automatic Water Heaters. General Water Heater Corp., Los Angeles, Cal.
Supreme Automobile Engine. Supreme Motors Corp., Warren, O.
Supreme Belt and Hose. Gustin-Bacon Mfg. Co., Kansas City, Mo.
Supreme Brand Typewriter Ribbons. The Buckeye Ribbon and Carbon Co., Cleveland, O.
Supreme Can Openers. Cassady Fairbank Mfg. Co., Chicago.
Supreme Cutting Oil. Detroit Soluble Oil Co., Detroit, Mich.
Supreme Fencing. F. S. Smith Wire & Iron Works, Chicago.
Supreme Greases and Oils. Richardson Lubricating Co., Quincy, Ill.
Supreme Lawn Mowers. Dille & McGuire Co., Richmond, Ind.
Supreme Lubricating Oils and Greases. Richardson Lubricating Co., Quincy, Ill.
Supreme Music Wire. Standard Steel & Wire Company, Chicago.
Supreme Poultry, Rabbit, Railroad and Farm Fences, Fence Posts. F. P. Smith Wire & Iron Wks., Chicago.
Supreme Quick Acting Vise. Spafford Tool Works, Hartford, Conn.
Supreme Steam and Hot Water Heaters. W. A. Case & Sons Mfg. Co., Buffalo, N. Y.
Supreme Washing and Drying Machine. Wenzelman Mfg. Co., Galesburg, Ill.
Supreme White Cotton Waste. Massasoit Mfg. Co., Fall River, Mass.
Supremis Floor Varnish. Chicago Varnish Works, Chicago; E. I. du Pont de Nemours & Co., Inc., Paint & Varnish Dept., Philadelphia.
Supremo Rubber Conveyor Belting. Revere Rubber Co., Chelsea, Mass.
Suransafe Removable Window Guards. F. P. Smith Wire & Iron Wks., Chicago.
Surbas Lavatories. Crane Co., Chicago.
Surbol Lavatories. Crane Co., Chicago.
Sure Catch Barn Door Latches. Brodhead Latch Co., Brodhead, Wis.
Sure Catch Rat Traps. Lovell Mfg. Co., Erie, Pa.
Sure Center Finder. West Haven Mfg. Co., New Haven, Conn.
Sure-Clean Window Cleaners. Osborn Mfg. Co., Cleveland, O.
Sure Cool Gasoline Engines. Moore Plow & Implement Co., Greenville, Mich.
Sure Cut Can Openers. Ira F. White & Son, Bloomfield, N. J.
Sure-Draft Forge Chimneys. Lourie Mfg. Co., Springfield, Ill.
Sure Drop Ball Bearing Jacks. A. O. Norton, Inc., Boston, Mass.
Sure Drop Corn Planters. Ohio Rake Co., Dayton, O.
Sure Drop Riding Listers. Gale Mfg. Co., Albion, Mich.
Sur-Enuf Can Openers. Pascall Tool Co., Long Beach, Calif.
Sure-Fast Harness Snaps. Eberhard Mfg. Co., Cleveland, O.
Sure Fire Blasting Fuse. Consumers Fuse & Power Co., San Francisco, Cal.
Sure Grip Clothes Line Pulleys and Sad Iron Handles. Reading Saddle & Mfg. Co., Reading, Pa.
Sure Grip Hay Unloaders, Door Hangers. The F. E. Myers & Bro., Ashland, O.
Sure Grip Horseshoers' Vises and Tire Upsetters. Butts & Ordway Co., Boston, Mass.
Sure Grip Hose Clamps. Elkhart Brass Mfg. Co., Elkhart, Ind., J. R. Clancy, Syracuse, N. Y.
Suregrip Nail Puller. Bridgeport Hdw. Mfg. Corp., Bridgeport, Conn.
Sure-Grip Reinforced Steel Splicing Clips. The Marion Malleable Iron Works, Marion, Ind.
Sure Grip Steel Tackle Blocks. Fulton Iron Works, Detroit, Mich.
Sure Grip Trolley Clamps. The Electric Railway Equipment Co., Cincinnati, O.
Sure Grip Wire Fence Stretchers. Wrightsville Hardware Co., Wrightsville, Pa.
Sure Hatch Incubators and Brooders. Fremont Mfg. Co., Fremont, Neb.
Sure-Hold Hose Couplings. C. A. Chaffin Co., Boston, Mass.
Sure-Hold Hose Menders, Steam Couplings. C. A. Claflin Co., Boston.
Sure Lock Damper Clips. Parker Supply Co., New York.
Sure Lock Hay Unloaders. The F. E. Myers & Bro. Co., Ashland, O.
Sure Mark Crayons. New Jersey Crayon Co., Paterson, N. J.
Sure-On Door Hangers. Richards-Wilcox Mfg. Co., Aurora, Ill.
Sure Return Condensation Pumps. Chicago Pump Co., Chicago.
Suresafe Bankers Envelopes. Hesse Env. & Litho. Co., St. Louis, Mo.
Sure Seal Fruit Jars. Ball Bros. Co., Muncie, Ind.
Sure Seal Heating Systems. Central Supply Co., Worcester, Mass.
Sure Shot Staplers. Acme Staple Co., Ltd., Camden, N. J.
Sure Step Ice Creepers. Norlund Mfg. Co., Williamsport, Pa.
Sure-Tite Range Boilers. Wm. B. Scaife & Sons Co., Pittsburgh, Pa.
Surety Grease Cups. Lunkenheimer Co., Cincinnati, O.
Sureway Glosses and Polishes. Sureway Mfg. Co., St. Louis, Mo.
Surex Transformers. Campbell Electric Co., Lynn, Mass.
Surf Fishing Reels. A. F. Meisselbach Mfg. Co., Inc., New York.
Surfspar Varnish. St. Louis Surfacer & Paint Co., St. Louis, Mo.
Surlav Lavatories. Crane Co., Chicago.
Surlight Paint. St. Louis Surfacer & Paint Co., St. Louis, Mo.
Surpaco Specialties. St. Louis Surfacer & Co., St. Louis, Mo.
Surpass W. Loom Pickers. E. H. Jacobs Mfg. Co., Danielson, Conn.
Surprise Alarm Clocks. W. L. Gilbert Clock Co., Winsted, Conn.
Surprise Cultivators. Kingman Plow Co., Peoria, Ill.
Surprise Egg and Cream Beaters. J. R. Dawson Mfg. Co., Phila.
Surprise Egg and Cream Beaters and Flour Sieves. Wickwire Spencer Steel Corp., Worcester, Mass.
Surprise Egg and Cream Beaters. Woods-Sherwood Co., Worcester, Mass.
Surprise Garden Hose. Quaker City Rubber Co., Philadelphia, Pa.
Surprise Jacket Fire Hose. Eureka Fire Hose Mfg. Co., New York.
Surprise Self-Setting Rat Traps. Wolverton Mfg. Co., Holton, Kan.
Susemihl Side Bearings. Simplex Railway Appliance Co., Hammond, Ind.
Susemile Side Bearings. American Steel Foundries, Chicago.
Suskana Fire Clay Brick and Dust. Crescent Refractories Co., Curwensville, Pa.
Suspendo Drinking Fountains. Crane Co., Chicago.
Susquehanna Dumping Wagons. Columbia Wagon Co., Columbia, Pa.
Sussex Caulking Cotton. Massasoit Mfg. Co., Fall River, Mass.
Sustanol Barium Cyanide. Hackmeister Lind Chemical Co., Pittsburgh, Pa.
Sut-Not Fuel Saver. Beltine Chemical & Mfg. Co., Chicago, Ill.
Sutton Sand Dryers and Tuyeres. Indiana Foundry Co., Inc., Indiana, Pa.
Svenson Concrete Mixers. Svenson-Shuman Machine Co., Pittsburgh.
Swaco Safety Hopper Car Wrench. Safety Wrench & Appliance Co., Philadelphia, Pa.
Swaine Double Seaming Metal Machines, Crimping, Beading and Flanging Machines, Presses and Dies. The Fred J. Swaine Mfg. Co., St. Louis, Mo.
Swain's Packing. Swain Co., Chicago.
Swallow Electric Annunciators. S. & G. Mfg. Co., Mliwaukee, Wis.
Swan Air Compressors. Swan Co., Port Huron, Mich.
Swan Brand Tongue Depressors. L. F. Grammes & Son., Inc., Allentown, Pa.
Swan Brand Wooden Ice Cream Spoons. L. F. Grammes & Son., Inc., Allentown, Pa.
Swan Carriage Fasteners. Standard Top & Equipment Co., Cleveland.
Swan Fountain Pens. Mable, Todd & Co., New York.
Swan Neck Faucets. Thomas Savill's Sons., Philadelphia, Pa.
Swan Potato Planters. Potato Implement Co., Traverse City, Mich.
Swan Thermostats. Klipfel Mfg. Co., Chicago.
Swan Thorium Nitrate. Pfaltz & Bauer, New York.

Swan's Expansive Bits. Jas. Swan Co., Seymour, Conn.
Swan's Harness Hooks. Imperial Bit & Snap Co., Racine, Wis.
Swanee Metal Shingles. The Berger Mfg. Co., Canton, O.
Swanson Portable Grain Elevators. Swanson-St. Joseph Plow Co., St. Joseph, Mo.
Swart's Sheet Packing. Garratt-Callahan Co., San Francisco, Cal.
Swartwout Gravity Closing Ventilators. Exhaust Heads, Steam and Oil Separators, Gasoil Burners, Hydromatic Valves, Feed Water Heaters, Core Ovens, Ship Cowls. Swartout Company, The, Cleveland, O.
Swastika Brand Fishing Lines. Ashaway Line & Twine Mfg. Co., Ashaway, R. I.
Swastika Lacquer. M. L. Barrett & Co., Chicago.
Swastika Tools and Specialties. Buffum Tool Co., Louisiana, Mo.
Swatmor Fly Swatters. U. S. Wire Mat Co., Decatur, Ill.
Swat-Sticka Fly Swatters. U. S. Wire Mat Co., Decatur, Ill.
Sweaterknit Mops. U. S. Mop Co., Toledo, O.
Swede Pig Iron. Richard Hecksher & Sons Co., Philadelphia, Pa. Alan Wood. Iron & Steel Co., Philadelphia, Pa.
Swederope Vertical File Folders, File and Claim Backs. Rockwell-Barnes Co., Chicago.
Swedish Linemen's Climbers, Wire Connectors. Smith & Hemenway Co., Inc., Irvington, N. J.
Swedish Kraft Wrapping Paper. D. S. Walton & Co., New York.
Swedoh Billets, Cold Rolled Steel, Blooms, Slabs. American Tube & Stamping Co., Bridgeport, Conn.
Sweeney's Iron Horse Traction Engines. Sweeney Tractor Co., Kansas City, Mo.
Sweep-Ezy Brooms. American Spec. & Import. Co., Savannah, Ga.
Sweep Exhaust Heads. Direct Separator Co., Syracuse, N. Y.
Sweep Well Corn Brooms. A. J. Eckhart Co., Cleveland, O.
Sweeper-Vac Carpet Sweepers, Electric. Pneuvac Co., Worcester, Mass.
Sweepine Sweeping Compound. West Disinfecting Co., New York.
Sweeprite Sweeping Compounds. Pioneer Mfg. Co., Cleveland, O.
Sweet Steam Separators. Direct Separator Co., Syracuse, N. Y.
Sweet's Carriage Wheels. Shortsville Wheel Co., Shortsville, N. Y.
Sweet's Concealed Hub Bands. Eastern Malleable Iron Co., Naugatuck, Conn.
Sweet's Lumber Wagons. B. F. & H. L. Sweet Co., Fond du Lac, Wis.
Sweet's Magic Metal Polish. C. F. Sweet, Hartford, Conn.
Sweet's Oil and Grease Extractors. Direct Separator Co., Detroit, Mich.
Sweet's Toe-Calks. Franklin Steel Works, Joliet, Ill.
Sweet's Track Drills. Michigan Machinery Mfg. Co., Ypsilanti, Mich.
Sweet's Window Springs. Stanley Works, New Britain, Conn.
Sweetland Lathe Chucks and Drill Press Vises. Hoggson & Pettis, Mfg. Co., New Haven, Conn.
Sweetland Pressure Filters and Metallic Filter Cloth. United Filters Corp., New York.
Sweetland's Self-Dumping Filter. Sweetland Filter Press Co., Inc., Brooklyn, N. Y.
Sweetstrand Enamel Wire. Strand & Sweet Mfg. Co., Winsted, Conn.
Swell Neck Rivets. The Champion Rivet Co., Cleveland, O.
Swenson Stump Pullers. Swenson Grubber Co., Cresco, Ia.
Swift Cutter Lawn Mowers. Chadborn & Coldwell Mfg. Co., Newburgh, N. Y.
Swift Feed Cookers. Swift Mfg. Co., Waterloo, Ia.
Swift Leather Belting. J. S. Turner Mfg. Co., Lowell, Mass.
Swift Lubricators. Swift Lubricator Co., Elmira, N. Y.
Swift Oxygen. Swift & Co., Chicago.
Swift Power and Sweep Mills. Swift Mfg. Co., Waterloo, Ia.
Swift Spice and Coffee Mills. Lane Bros. Co., Poughkeepsie, N. Y.
Swift's Arsenate of Lead. Merrimac Chemical Co., Boston, Mass.
Swift's Boiler Flue Plugs, Steam Engines, Wheelbarrows. Donegan & Swift, New York City.
Swift's Dumping Carts, Feed Cookers, Grinding Mills. Swift Mfg. Co., Waterloo, Ia.
Swift's Economy Shaking Grates, Furnace Blowers. Donegan & Swift, New York.
Swiftsure Hose. M. L. Snyder & Son, Philadelphia.
Swindell Gas Producers. Wm. Swindell & Bros., Pittsburgh, Pa.
Swineford Hay Carriers. G. A. Swineford Co., Canton, O.
Swinehart Tires. The Swinehart Tire & Rubber Co., Akron, O.
Swingway Bath Traps. Donley Bros. Co., Cleveland, O.
Swisher Electrical Cable Hangers. W. G. Nagel Electric Co., Toledo, O
Swiss Embroidering Machines. Durbrow & Hearne Mfg. Co., N. York.
Swiss Feed Cutters. Wilder-Strong Implement Co., Monroe, Mich.
Swissalu Aluminum Ware. The Geo. H. Bowman Co., Cleveland, O.
Swivel Bow Locks. Thos. Laughlin Co., Portland, Me.
Sword Brand Pocket Knives. Camillus Cutlery Co., Camillus, N. Y.
Sykes Expanded Metal Lath. Sykes Metal Lath & Roofing Co., Niles, O.
Sykes Hose Reels. W. D. Allen Mfg. Co., Chicago.
Sylphon Hollow Expansible and Contractible Corrugated Tubular Metal Device. Fulton Co., Knoxville, Tenn.
Sylphon Radiator Traps. Webster Warren & Co., Camden, N. J.
Sylphon Temperature Regulators, Radiator Valves, Etc. The Fulton Co., Knoxville, Tenn.
Sylvan Brick. Standard Brick & Tile Co., Portland, Ore.
Sylvan Canvas Folding Cots. Sun Mfg. Co., Columbus, O.
Sylvan Grease. Pennsylvania Lubricating Co., Pittsburgh, Pa.
Sylvan Green Marble. Henry A. Schweyer Co., Easton, Pa.
Sylvanian Art Tile. Standard Brick & Tile Co., Portland, Ore.
Sylvanite Fuse. E. I. du Pont de Nemours & Co., Inc., Explosives and Smokeless Powder Depts., Wilmington, Del.
Symentrex Waterproofing Materials. Vitrifyx Co., Chicago.
Symington Journal Boxes. T. H. Symington Co., Baltimore, Md.
Symmetrical Channel Bar Piling. Carnegie Steel Co., Pittsburgh, Pa.
Symonds Hot Air Registers. Symonds Register Co., St. Louis, Mo.
Symono Crushers. Chalmers & Williams, Chicago Heights, Ill.
Syndolag (A Dolomitic Sinter). Basic Products Co., Pittsburgh, Pa.
Synstone (Synthetic Stone) Block Machines. The Ferguson Synstone Co., Denver, Colo.
Synthide Artificial Leather. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Synthite Insulating Compound. John C. Dolph Co., Newark, N. J.
Synturpe Turpentine Substitute. International Paint Corp., East St. Louis, Ill.
Sypho Urinals. Crane Co., Chicago.
Syphon Summit Stoves. Summit Foundry Co., Geneva, N. Y.
Syphon Windmill Pumps. Goulds Mfg. Co., Seneca Falls, N. Y.
Syracuse Auto Garage Heaters. Syracuse Radiator Co., Syracuse, N. Y.
Syracuse Babbitts, Solder, Etc. United American Metals Corp., Brooklyn, N. Y.
Syracuse China. Onondaga Pottery Co., Syracuse, N. Y.
Syracuse Core Compounds. C. E. Mills Oil Co., Syracuse, N. Y.
Syracuse Drills, Chisels, Pliers, Countersinks, Micrometer, Gauges, Nail Sets, Punches, Screwdriver Bits, Handle Wedges. Syracuse Twist Drill Co., Syracuse, N. Y.
Syracuse Harness Snaps. Frazer & Jones Co., Syracuse, N. Y.
Syracuse Hay Carriers, Grapple Forks, Potato Diggers. Syracuse Chilled Plow Co., Syracuse, N. Y.
Syracuse Paste. Schmeer's Paper Box Co., Syracuse, N. Y.
Syracuse Radiator Valves. Syracuse Faucet & Valve Co., Eastwood, N. Y.
Syracuse Sanders; Grinders; Band Saws. The Porter-Cable Machine Co., Syracuse, N. Y.
Syracuse Sink Brackets. H. E. Hessler Co., Syracuse, N. Y.
Syracuse Snap Gauges. Meldrum-Gabrielson Corp., Syracuse, N. Y.
Syracuse Steam Heaters. Syracuse Heater Co., Syracuse, N. Y.
Syracuse Water Motors. Hunter Fan & Motor Co., Fulton, N. Y.
Syste-Mover Industrial Trucks and Trailers. The Equipment Mfg. Co., Cleveland, O.

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T. A. Insulating Papers. Trinidad Asphalt Mfg. Co., St. Louis, Mo.
T B C Lock Nuts and Washers. Flannery Bolt Co., Pittsburgh, Pa.
T. B. R. Green Soap; Surgical Soap; Scouring Powder. Theo. B. Robertson Products Co., Chicago.
T. C. Cypress Trunking and Capping. E. J. Clark, Philadelphia, Pa.
T. H. Witherby Drawing Knives, Carpenters' Chisels. Winsted Edge Tool Works, Winsted, Conn.
T. L. C. Cushion Springs. Trenton Spring Mattress Co., Trenton, N. J.
T. J. Furnaces. Tate, Jones & Co., Pittsburgh, Pa.
T. Logs. Stewart K. Taylor, Mobile, Ala.
T L Steel. George Barnsley & Sons, Sheffield, England.
T-M-B Mastic Flooring. Thomas Moulding Brick Co., Chicago.
T. M. Co. Shoe Knives. Tuck Mfg. Co., Brockton, Mass.
T. P. C. Lamp Guards. Porter Co., New York.
T. T. Hack Saw Blades. H. G. Thompson Son & Co., New Haven, Conn.
T-W Independent Lathe Chucks. Terkelsen Machine Co., Boston 9, Mass.
T. W. P. Paints, Varnishes, Etc. Tibbetts-Westerfield Paint Co., Los Angeles, Cal.
T & C Machine Knives. Taylor, Stiles & Co., Riegelsville, N. J.
T. & C. Metal Lath. Youngstown Pressed Steel Co., Warren, O.
T. & D. Bread and Meat Slicers; Kraut Cutters. Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
T. & D. Special Kraut Cutters. Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
T. & N. Corrugated Paper Products. The Thompson & Norris Co., Brooklyn, N. Y.
T. & S. Dover Egg and Cream Beaters and Curtain Rods. Turner & Seymour Mfg. Co., Torrington, Conn.
T. & T. Corrugated Metal Culverts. The Metal Post & Culvert Co., Niles, O.
Tabasco Bath Water Heaters. Kewanee Boiler Co., Kewanee, Ill.
Tabasco Canned Goods. McIlhenny Co., Avery Island, La.
Tabasco Pepper Sauce. McIlhenny Co., Avery Island, La.
Taber Centrifugal Pump. Taber Pump Co., Buffalo, N. Y.
Tabor Foundry Molding Machinery. Tabor Mfg. Co., Philadelphia, Pa.
Tabor Indicators. Manning, Maxwell & Moore, New York.
Tabor Hose Wrenches. W. D. Allen Mfg. Co., Chicago.
Taco Water Heaters. Thermal Appliance Co., Inc., New York.
Tacoma Engines. Puget Sound Iron and Steel Works, Tacoma, Wash.
Tacoma Grease Cup Lubricators. Williams Valve Co., Cincinnati, O.
Tacony Steels. Tacony Steel Co., Philadelphia, Pa.
Taft-Pierce Boring Tools. The Taft-Pierce Mfg. Co., Woonsocket, R. I.
Tag-Elite Thermometers. C. J. Tagliabue Mfg. Co., Brooklyn, N. Y.
Tag-Everight Veterinary Thermometers. C. J. Tagliabue Mfg. Co., Brooklyn, N. Y.
Tag Flash Tester Viscosimeter Thermometers. C. J. Tagliabue Mfg. Co., Brooklyn, N. Y.
Tag Soap. The M. Werk Co., St. Bernard, Cincinnati, O.
Tagometer Thermometers. Chas. J. Tagliabue Mfg. Co., Brooklyn.
Tahara Automatic Silver Burnisher. American Laundry Machy. Co., Cincinnati, O.
Tailing Mining Pumps. Byron Jackson Iron Works, San Francisco, Calif.
Tainter Gate Hoists. Whiting Foundry Equipment Co., Harvey, Ill.
Taintor's Gilders, Whiting and Saw Sets. H. F. Taintor Mfg. Co., New York.
Tait Radio Dials. Waterbury Button Corp., Waterbury, Conn.
Takapart Fishing Reels. A. F. Meisselbach Mfg. Co., New York.
Take Down Hay Rack Clamps. The F. E. Myers & Bro., Ashland, O.
Takedown Squares. Southington Hdw. Co., The, Southington, Conn.
Takitof Varnish Removers. Atlantic Drier & Varnish Co., Phila., Pa.
Talbot Safety Boilers; Uniflow Engines. Talbot Boiler Co., New York.
Talbot's Ant, Flea and Moth Exterminator. Talbot Mfg. Co., Los Angeles, Cal.
Talckene. Job Wilbur Co., Providence, R. I.
Talclay Talc. Carbola Chemical Co., Inc., New York.
Talcut Metal Workers' Crayons. Chas. B. Chrystal, New York.
Talismanic Bell and Rope Drive Dressing, Belt Clinch, Rubber Belt Facing Rope Preserver, Belt Softener and Filler, Belt Surfaces. John C. Chambers, Chicago.
Tally-Meter Lumber Measuring Device. Tally-Meter Co., Norwich, Conn.
Talma Lavatories and Fittings. James Barrett Mfg. Co., Boston.
Tamaqua Coal and Ore Separators. Tamaqua Mfg. Co., Tamaqua, Pa.
Tamaqua Sprinkler Hose. Electric Hose & Rubber Co., Wilmington, Del.
Tam-a-rak Duck. Wm. L. Barrell Co. of N. Y., Inc., New York.
Tamarack Oil Cups. D. T. Williams Valve Co., Cincinnati, O.
Tampico Oil Well Belting. Republic Rubber Co., Youngstown, O.
Tampico Wire Wheel Brushes and Sections. Osborn Mfg. Co., Cleveland, O.
Tan-Bo Picker Leather. Norwich Belt Mfg. Co., Norwich, Conn.
Tandem Grease Cup Lubricators. William Valve Co., Cincinnati, O.
Tangent Red Rosin Sized Sheathing Paper. C. B. Hewitt Bros., Inc., New York.
Tanglefoot Fly Paper. O. & W. Thum Co., Grand Rapids, Mich.
Tango Leather Belting. Druid Oak Belting Co., Inc., Baltimore, Md.
Tangye Cyclone Carburetors. Pacific National Investment Co., Los Angeles, Cal.
Tangye's Hydraulic Jacks. Irging Mfg. & Tool Co., New York.
Tanite Cutlery Polish. Tanite Co., Stroudsburg, Pa.
Tank Leather Belting. J. S. Turner Mfg. Co., Lowell, Mass.
Tanker Rubber Hose. Electric Hose & Rubber Co., Wilmington, Del.
Tanktred Type Loaders. Jeffrey Mfg. Co., Columbus, O.
Tannate Flat and Round Leather Belting, Bell and Register Cord and Tannate Lace Leather. J. E. Rhoads & Sons, Philadelphia, Pa.
Tannelite Powder. G. R. McAbee Powder & Oil Co., Pittsburgh, Pa.
Tanner Blish Sounding Machines. Max Kuner Co., Seattle, Wash.
Tanner Feed Cutters. D. F. Tanner, Holland, N. Y.
Tannus High Speed Steel. Hammond Steel Co., Inc., Syracuse, N. Y.

Tanolin Tanning Extracts. Martin-Dennis Co., Newark, N. J.
Tanpac Packing. Advance Packing & Supply Co., Chicago.
Tan-Sad Workers Chair. Roneo Company, New York.
Tan Textol Waterproofing Canvas. Wm. L. Barrell Co. of N. Y., Inc., New York.
Tantiron Chemical Castings. Bethlehem Fdry. & Mch. Co., S. Bethlehem, Pa.
Tapalog Pyrometers. Wilson-Maeulen Co., New York.
Tapatco Horse Collar Pads. Am. Pad & Textile Co., Greenfield, O.
Taper Rail Joints. Pettibone, Mulliken Co., Chicago.
Tapestrolea Wall Coverings. Richter Mfg. Co., Tenafly, N. J.
Tapestry-Art Tile and Front Brick. Fiske & Co., Boston, Mass.
Taplin Egg and Cream Beaters. Taplin Mfg. Co., New Britain, Conn.
Tap-On Wire Connectors. Jordan Bros., New York.
Tarco Appliances (for handling hot asphalts). Tarrant Mfg. Co., Saratoga Springs, N. Y.
Tarco Can and Bag Carriers. Tarrant Mfg. Co., Saratoga Springs, N. Y.
Tarco Line Loose Leaf Binders and Forms. Tallman, Robbins & Co., Chicago.
Tarcote Road Binders and Preservatives. Chatfield Mfg. Co., Cincinnati, O.
Target and Arrow Roofing Tin. N. & G. Taylor Co., Philadelphia, Pa.
Target Brand Fly Spray (Liquid); Insecticides and Fungicides; White Fly Destroyer; Scale Destroyer (Miscible Oil); Weed Killer. Interstate Chemical Co., Jersey City, N. J.
Target Valve Stem Packing. E. A. Wilcox Mfg. Co., Chicago.
Targo (Calcium Arsenate Bordo). Interstate Chemical Co., Jersey City, N. J.
Tark Sewage Screen. Link-Belt Co., Chicago, Indianapolis, Philadelphia; H. W. Caldwell & Son, Chicago.
Tar-Mac Tar Binder. American Tar Products Co., Dover, Del.
Tarpon Belting. Page Belting Co., Concord, N. H.
Tarpon Rubber Hose. Electric Hose & Rubber Co., Wilmington, Del.
Tarrant Lubricators. D. T. Williams Valve Co., Cincinnati, O.
Tarrant Oil and Grease Cups. D. T. Williams Valve Co., Cincinnati.
Tarr-Gon Auto Cleaner. Polyglon Products Co., Boston, Mass.
Tar Rok Sub-Floors. Barrett Co., New York.
Tartarline Cream Tartar. Worden Chemical Works, New York.
Tartex Waterproofing. Barrett Co., New York.
Tar Tite Roofing Cements. Glokner & Blue Co., New York.
Tarvia, (A-B-X-XP-MF). Barrett Co., New York.
Tary Sani Gloss and Flat White Paints. C. H. Parker Co., Valparaiso, Ind.
Tascoil Road Binders and Preservatives. Alden Speare's Sons Co., Cambridge, Mass.
Tasgon Rust Penetrant. Polygon Products Co., Boston, Mass.
Tate Flexible Staybolts. Flannery Bolt Co., Pittsburgh, Pa.
Tate-Jones Oil Burner. Tate-Jones & Co., Inc., Pittsburgh, Pa.
Tatham's Lead Shot. United Lead Co., New York.
Tatagrip Hand Soap. Tatlock Bros., Rochester, N. Y.
Tattoo Alarm Clocks. New Haven Clock Co., New Haven, Conn.
Tatum Loose Leaf Devices. Sam'l C. Tatum Co., Cincinnati, O.
Tauril Sheet Packing. Anchor Packing Co., Chicago.
Tawkingtile Letter Signs. Lorenzen & Co., Inc., Chas. F., Chicago.
Taxite Paint and Varnish Remover. The Sherwin-Williams Co., Cleveland, O.
Taylor Boiler Nozzle. American Spiral Pipe Works, Chicago.
Taylor Cattle Stanchions. Jas. Boyle, Salem, O.
Taylor Clamps. James L. Taylor Mfg. Co., Poughkeepsie, N. Y.
Taylor Color Harmony Keyboard. Taylor System of Color Harmony, New York.
Taylor Dressers and Indicators. Tanite Co., Stroudsburg, Pa.
Taylor Garment Hangers. Taylor Mfg. Co., Princeton, Ind.
Taylor Gondola Derricks. Quadriga Mfg. Co., Chicago.
Taylor Iron. B. M. Jones & Co., Inc., Boston, Mass.
Taylor Lap Welded Steel Pipe, Spiral Riveted Pipe. American Spiral Pipe Works, Chicago.
Taylor Made Automobile Trunks. C. A. Taylor Trunk Works, Chi'go.
Taylor Made Dredge Chain; Mesaba Chain; Welded Chain. Taylor Chain Co., S. G., Chicago.
Taylor-Made Elliptic and Coil Springs; Railway Car Trucks. Taylor Electric Truck Co., Troy, N. Y.
Taylor Measuring Thiefs. U. S. Bottlers' Machinery Co., Chicago.
Taylor Mechanical Stokers. American Engineering Co., Philadelphia; Lenher Engineering Co., New York.
Taylor Mop Sticks and Holders. Parks & Parks, Troy, N. Y.
Taylor Motor Bearings. Taylor Electric Truck Co., Troy, N. Y.
Taylor Newbold Cold Saws; Milling Cutters. Tabor Mfg. Co., Philadelphia, Pa.
Taylor Pruning Shears. Smith, Seymour & Son, Oakville, Conn.
Taylor "S-A" Straight Action Brakes. Taylor Electric Truck Co., Troy, N. Y.
Taylor Spot Welders. Taylor Welder Co., Warren, O.
Taylor Steel Portable Derricks. Taylor Portable Steel Derrick Co., Chicago.
Taylor Stokers. American Engineering Co., Philadelphia, Pa.
Taylor Tire Pumps. Taylor Mfg. Co., Redford, Mich.
Taylor-Tite Engine Pistons. Taylor Mfg. Co., Cambridge, Mass.
Taylor Tool Grinders. Tabor Mfg. Co., Philadelphia.
Taylor Universal Tool Grinders. The Taylor Mfg. Co., Philadelphia, Pa.
Taylor & Penn Milling Machines. Taylor & Fenn Co., Hartford, Conn.
Taylor's Journal Boxes. W. P. Taylor Co., Buffalo, N. Y.
Taylor's Riveted Steel Pipe. American Spiral Works, Chicago.
Taylorite Sanitary Flooring. Ronald Taylor Co., New York.
Tee T Squares. Emmert Mfg. Co., Waynesboro, Pa.
Techno Case Hardening, Tempering and Welding Compounds. Techno-Chemical Co., Cleveland, O.
Techno Cotton-Seed Co. American Cotton Oil Co., Guttenberg, N. J.
Tecktonius-Vogt Lime Burning Kilns. E. C. Tecktonius Mfg. Co., Racine, Wis.
Tecla Radio Supplies, Radiophone. The Tecla Co., Detroit, Mich.
Teolac Varnish. International Paint Corp., East St. Louis, Ill.
Teco Outlet and Locknut Bushings. Troy Electrical Co., Troy, N. Y.
Teco Tile. American Terra Cotta & Ceramic Co., Chicago.
Tecor Axle Generator Belting. Transportation Engineering Corp., New York.
Tector Undercoater. Pittsburgh Plate Glass Co., Paint & Varnish Division, Milwaukee, Wis.
Tector Wood Fillers. Patton Paint Co., Milwaukee, Wis.
Tecone Leather Belting. J. C. Rhoads & Sons, Philadelphia, Pa.
Tee-Dee Ironing Boards. Tucker & Dorsey Mfg. Co., Indianapolis.
Tees Dash Pot Governor. Marcellus & Tees, Phila., Pa.
Tee's Gauge Cocks. Nathan Mfg. Co., New York.
Teeparro Grease Cups. The Lunkenheimer Co., Cincinnati, O.
Teeter Piston Rings. Indiana Piston Ring Co., Hagerstown, Ind.
Teetor Motors. Teetor-Hartley Motor Corp., Connersville, Ind.
Tegco Glass Knobs. Technical Glass Co., Inc., Los Angeles, Cal.
Tegit Heatproof Insulation. Garfield Mfg. Co., Garfield, N. J.
Tegit Insulation. Hemming Mfg. Co., Garfield, N. J.
Teksagon Meter Couplings. H. W. Clark Co., Mattoon, Ill.
Tel-a-Fever Thermometers. C. J. Tagliabue Mfg. Co., Brooklyn.
Telechronometer, Telephone, Meter. Telechronometer Co. of Amer., Seattle, Wash.
Telefo Calendar Pads. Telefo Desk-Pad Co., Chicago.
Telegraph Cocks and Bibbs. Milwaukee Brass Mfg. Co., Milwaukee, Wis.
Telegraph Cocks and Bibbs. Rundle-Spence Mfg. Co., Milwaukee, Wis.
Telemegafone, Loud Speakers. Magnavox Co., Oakland, Cal.
Telemoter Marine Steering Gears. McNab Co., Bridgeport, Conn.
Telenduron-Black Cold Moulded Articles for Electrical Insulation. Telenduron Company, Ambler, Pa.
Telephone Feed Cutters. Geo. S. Comstock & Son, Mechanicsburg, Pa.
Telephone Pruning Shears. Smith, Seymour & Son, Oakville, Conn.
Telephonograph Receivers and Amplifiers. Magnavox Co., Oakland, Cal.
Telesco Partition. Improved Office Partition Co., New York.
Telescope Cot Beds. Telescope Cot Bed Co., Inc., New York.
Telescope Tire Air Pumps. Judd & Leland Mfg. Co., Clifton Springs, N. Y.
Telescopic Jack Screws. Lovejoy Tool Works, Chicago.
Telestigmatic Lenses. Bausch & Lomb, Optical Co., Rochester, N. Y.
Tel Hub Odometers. Consolidated Instrument Company of America, New York.
Tell-Tale Piston Rings. St. Louis Piston Ring Corp., St. Louis, Mo.
Tell-Tale Piston Rings. Tell-Tale Piston Ring Co., St. Louis, Mo.
Telmaco Loud Speakers. Telephone Maintenance Co., Chicago.
Telsa Brass Faucets. Crane Co., Chicago.
Telsa Jr. Brass Faucets. Crane Co., Chicago.
Telsmith Rock and Ore Mchy. Smith Eng'ring Works, Milwaukee, Wis.
Temco Portable Drill. The Tempco Electric Motor Co., Leipsic, O.
Temper Adjustable Expanding Dies, Machine Nut Taps, Machine Screw Taps. American Tap & Die Co., Greenfield, Mass.
Tempest Hose. Gutta Percha & Rubber Mfg. Co., New York.
Tempil Lime, Lump and Hydrated. The Utah Lime & Stone Co., Salt Lake City, Utah.
Temple Grease Cup Lubricators. D. T. Williams Valve Co., Cincinnati, O.
Temple Pig Iron. Temple Iron Co., Reading, Pa.
Templo Bronze Bearings. Oregon Brass Works, Portland, Ore.
Tempoint Pens. The Wahl Company, Chicago.
Tem-Po-Va Cold Water Paints. Manhattan Color Works, New York.
Tempus Waste Paper Presses, Scrap Metal Balers. K-B Co., Philadelphia, Pa.
Tenacious Hickory Handles. E. B. Estes & Sons, New York.
Tenacity Leather Belting. Geo. Rahmann & Co., New York.
Tenacity-Oak Leather Belting. Geo. Rahmann & Co., New York.
Tenax Bituminous Products. Briggs Bituminous Composition Co., New York.
Tenax Bronze Castings. General Bronze Foundry Co., The, Cleveland, O.
Tenax Insulating Tapes. C. S. Knowles, Boston, Mass.
Tenax Picker Leather. Holbrook Raw Hide Co., Providence, R. I.
Tenax Sheet Packing. Advance Packing & Supply Co., Chicago.
Tench Patented Jig Plunger. Wilmot Engineering Co., Hazelton, Pa.
Teneo Snap Fasteners. American Fastener Co., Waterbury, Conn.
Tengwall Loose Leaf Accounting Records and Binding Devices. The Tengwall Co., Chicago.
Tenite Aluminum Castings. General Bronze Foundry Co., The, Cleveland, O.
Tennessee Cedar Chests. Vestal Lumber & Mfg. Co., Knoxville, Tenn.
Tennessee Charcoal Bloom Iron. Ewald Iron Co., Louisville, Ky.
Tennessee Dumping Carts, Wagons. Kentucky Wagon Mfg. Co., Louisville, Ky.
Tennessee Farm Wagons. Kentucky Wagon Mfg. Co., Louisville, Ky.
Tennessee Special Tool Steel. Tennessee Coal, Iron & R. R. Co., Birmingham, Ala.
Tennessee Wooden Barrows. Chattanooga Wheelbarrow Co., Chattanooga, Tenn.
Tenol Belt Dressing. Viscol Co., East Cambridge, Mass.
Tenold Tile Outlet Protector. Tenold Bros., Northwood, Ia.
Tenox Liquid Gasket. Stone Mfg. Co., New York.
Tensillite Bronze. American Manganese Bronze Co., Philadelphia, Pa.
Tension Mail Containers. The Tension Envelope Co., Brooklyn, N. Y.
Tenso Chain. American Chain Co., Inc., Bridgeport, Conn.
Tensyl Cloth Testing Machines. Shuttle Machine Co., New York.
Tentacular, The Suction Belt. Alexander Brothers, Inc., Philadelphia.
Tentobed Tents. Isaac S. Purcell, Chicago.
Ten Winkel Oil and Water Filter and Extractor. United Filter Corp., Salt Lake City, Utah.
Teon Belting. D. P. Brown & Co., Philadelphia.
Termaco Cotton Cleaning Machy. Terrell Machine Co., Charlotte, N. C.
Terminal Public Urinals. Sanitas Mfg. Co., Boston, Mass.
Terrapin Rubber Hose. Electric Hose & Rubber Co., Wilmington, Del.
Terrapin Sprinkler Hose. Electric Hose & Rubber Co., Wilmington, Del.
Terrazolite Sanitary Flooring. Warren Bros. Co., Boston, Mass.
Terrell's Steel Shelving, Lockers and Wardrobes. Terrell's Equipment Co., Grand Rapids, Mich.
Terrier Drop Forged Wrenches. Kilborn & Bishop Co., New Haven, Conn.
Terrier Oil and Grease Cups. D. T. Williams Valve Co., Cincinnati.
Terrier Padlocks. E. T. Fraim Lock Co., Lancaster, Pa.
Terry Cranes and Derricks. Terry Mfg. Co., New York.
Terry Lap Links. National Malleable and Steel Castings Co., Cleveland, O.
Terry Turbines. Terry Steam Turbine Co., Hartford, Conn.
Tertius White Cotton Waste. Massasoit Mfg Co., Fall River, Mass.
Tesla Battery Motors. Davis Kendrick Co., Lebanon, N. H.
Tessar Photographic Lenses. Bausch & Lomb Optical Co., Rochester, N. Y.
Tes Thes Tos Auto Brake Linings, Clutch Facings. American Asbestos Co., Norristown, Pa.
Testoid Inner Automobile Tubes. Thermoid Rubber Co., Trenton, N. J.
Test Special Belting. New York Belting & Packing Co., New York.
Tested Quality Steel Stamps and Dies. Jas. H. Matthews & Co., Pittsburgh, Pa.
Testime Piston Rings. Stevens Piston Ring Co., Freeport, N. Y.
Testus Leather Belting. Druid Oak Belting Co., Inc., Baltimore, Md.
Tetco Indicating and Recording Tachometers. The Electric Tachometer Corp., Philadelphia, Pa.
Tetralene. The Richmond Products Co., New York.
Tetride Chemical Fire Extinguishers. American La France Fire Engine Co., Inc., Elmira, N. Y.

Texaco Waterproofing Material; Floor Wax; Ready Roofing; Turpentine Substitute; Paints; Gasoline; Axle Grease; Asphalt; Wire Rope Lubricant; Railway Lubricants—Valve, Engine and Car Oils, Rod Cup Grease and Driving Journal Compound. The Texas Company, New York.
Texaco Wire Rope Lubricant. The Texas Co., New York.
Texacoat (Texaco) Asphalt Paint. The Texas Company, New York.
Texalene (Texaco) Paint and Varnish Thinner. The Texas Company, New York.
Texas Cement Plaster. Texas Cement Plaster Co., Oklahoma City, Okla.
Texas Cotton Choppers. Texas Implement Mfg. Co., McGregor, Tex.
Texas Dandy Cultivators. Moline Plow Co., Moline, Ill.
Texas Hoes. Union Fork & Hoe Co., Columbus, Ohio.
Texas Lawn Sprinklers. W. D. Allen Mfg. Co., Chicago.
Texas Utility Grader, Ditcher and Terracer. Corsicana Grader & Machine Co., Corsicana, Texas.
Texax Compressed Asbestos Sheet Packing Ford Sets. Advance Packing & Supply Co., Chicago.
Texlite (Texaco) Burning Oil. The Texas Co., New York.
Texodren Artificial Leathers, Car Curtains and Materials. Sillcocks-Miller Co., S. Orange, N. J.
Texolite Gears. General Electric Co., Schenectady, N. Y.
Tex-Ta-Dor-Na Burlap. Cotta-a-Lap Co., Somerville, N. J.
Textase De-Sizing Agents for Bleaching, Dyeing, Etc. Malt-Diastase Co., New York.
Textile Leather Belting. Charles Bond Co., Philadelphia, Pa.
Textile Soaps and Softeners. The O. F. Zurn Co., Philadelphia, Pa.
Tex-Tite Roofing. The Lehon Co., Chicago.
Textoil Gear Blanks. General Electric Co., Schenectady, N. Y.
Textol Canvas Stitched Belting. National Belting Co., Elyria, O.
Tex-Tone Face Brick. Central Refractories Co., New Lexington, O.
Texture Face Brick. Thomas Moulding Brick Co., Chicago
Texwax (Texaco) Paraffine Wax. The Texas Company, New York.
Thaba Lavatories and Fittings. Jas. Barrett Mfg. Co., Boston, Mass.
Tharco Cements and Putty. Armstrong Co., Detroit, Mich.
Thatcher Belt Fasteners. Thatcher Belt Hook Co., Pawtucket, R. I.
Thayer Linseed Oil and Cake. American Linseed Co., New York.
Thayer Screw Drivers and Tack Claws. The Wells Corporation, Greenfield, Mass.
Thenu Gas Mantles. Welsbach Light Co., Philadelphia, Pa.
The Adjustable Tension Toilet Paper Holder. The Geo. T. Johnson Co., Boston, Mass.
The Best All Bestos Brake Linings. Allbestos Corp., Philadelphia.
The Boston Motors. F. E. Whitney Co., Boston, Mass.
The Box Crane. Alfred Box & Co., Inc., Philadelphia, Pa.
The Coston Machines for forcing gears or other articles from shafts and cylinder boring machines. Edward C. Coston, Skidmore, Mo.
"The Doctor" File Handle. Doane Mfg. Co., Boston, Mass.
The Durant Lumber Meter. Durant Mfg. Co., Milwaukee.
The Eggs-Pay-for-It Animal Foods. Consolidated Rendering Co., Boston, Mass.
The Handiest Tool in the Shop, Canton Portable Floor Cranes. The Canton Fdry. & Machine Co., Canton, O.
The Madas Calculating Machine. W. A. Morschhauser, New York.
The Miehle Printing Presses. Miehle Printing Presses & Mfg. Co., Chicago.
The Millionaire Calculating Machine. W. A. Morschhauser, New York.
"The Only" Saw Filing and Setting Machines. Black Diamond Saw & Machine Works, Natick, Mass.
The Patent Hub Roof Flange. Louis Bourneuf Corp., Lynn, Mass.
The Productimeter, "The Speedometer of Industry." Durant Mfg. Co., Milwaukee.
The Red Dragon Industrial and Transmission Line. Fafnir Bearing Co., New Britain, Conn.
"The Reeves" Wood Split Pulley. Reeves Pulley Co., Columbus, Ind.
The Standard Concrete Mixers. The Standard Scale & Supply Corp., Pittsburgh, Pa.
The Standard Scales. The Standard Scale & Supply Co., Pittsburgh, Pa.
"The Trackless Train," (System of Tractor-Trailer Hauling). Mercury Manufacturing Co., Chicago.
The Woods Machine for Paper Mills. Glens Falls Machine Wks., Glens Falls, N. Y.
Thebian Lighting Glass. Macbeth-Evans Glass Co., Pittsburgh, Pa.
Theisen Gas Purifiers. R. D. Wood & Co., Philadelphia.
Themco Rubber and Steel Stamps, Stencils, Numbering Machines, Seal Presses, Etc. Theo. Moss Co., Inc., Brooklyn, N. Y.
Therlo Resistance Alloys. Driver Harris Co., Harrison, N. J.
Thermalite Paints. Haskell Paint Co., Cleveland, O.
Thermalite Plastic Roofing Cements. Hascall Paint Co., Cleveland, O.
Thermatic Fireless Cookers. Diller Mfg. Co., Bluffton, O.
Therm-Elect Hot Water Heaters. Electric Sales-Service Co., Berkeley, Cal.
Thermit Welding and Rail Welds, Rail Bonds, Rail Joints. Metal & Thermit Corp., New York.
Thermit Welding Process. Goldschmidt Thermit Co., New York.
Thermite Anti-Freezing Compounds. Northwestern Chemical Co., Marietta, O.
Thermo Arc Lamp Globes. Macbeth-Evans Glass Co., Pittsburgh, Pa.
Thermo Automobile Oils and Greases. Haggerty Refining Co., New York.
Thermo-Chef Automatic Cookers. Holcomb & Hoke Mfg. Co., Indianapolis, Ind.
Thermocup Drinking Cups. American Thermos Bottle Co., Norwich, Conn.
Thermodisk Automatic Valves, Radiator Vents and Air Eliminators. Jas. P. Marsh & Co., Chicago.
Thermo-Electric Pyrometers. Hoskins Mfg. Co., Detroit, Mich.
Thermo Fire Felt Insulation. Johns-Manville, Incorporated, New York.
Thermo-Flasher. Campbell Electric Co., Lynn, Mass.
Thermo-Gandy Belting. Gandy Belting Co., Baltimore, Md.
Thermoid Asbestos Brake Lining, Rubber Tires and Inner Automobile Tubes, Universal Joints, Radiator Hose. Thermoid Rubber Co., Trenton, N. J.
Thermoid Brake Lining; Radiator Hose; Tires. Thermoid Rubber Co., Trenton, N. J.
Thermo-Jet System. Safety Car Heating & Lighting Co., New York.
Thermoil Oil Engines. Sears, Roebuck & Co., Chicago.
Thermokote Paint. The Goheen Corp., Newark, N. J.
Thermolin Coating Paints. Means & Thatcher, Quincy, Mass.
Thermoline Lubricating Oils and Greases. Haggerty Refining Co., New York.
Thermoline Tire Heater. Gustin-Bacon Mfg. Co., Kansas City, Mo.
Thermolite Therapeutic Lamps. H. G. McFaddin & Co., New York.
Thermolith High Temperature Cement. Harbison-Walker Refractories Co., Pittsburgh, Pa.
Thermo-Mor Manifold for Fords. Clark Gas Power Co., Herkimer, N. Y.
Thermo-Myst System Dry Kilns. Curtis-Hosey Dryer Co., Phila.
Thermo Pipeless Furnaces. American Furnace Co., St. Louis, Mo.
Thermopok Packing. Combination Rubber Mfg. Co., Bloomfield, N. J.
Thermo Poultry Fountains. Milwaukee Corrugating Co., Milwaukee, Wis.
Thermoseal Piston Rings. Spryoseal Mfg. Co., St. Louis, Mo.
Thermosgrade Regulators, Traps and Valves. Thermograde Valve Co., Watertown, Mass.
Thermo Sheet Packing. Chas. W. Marsh & Co., Muskegon, Mich.
Thermo-Storage Water Heaters. Federal Water Heater Co., Los Angeles, Cal.
Thermo Train Pipe Covering. Ehret Magnesia Mfg. Co., Philadelphia, Pa.
Thermo Vacuum Valves. Illinois Engineering Company, Chicago.
Thermus Hot Air Furnaces. W. G. McPherson Co., Portland, Ore.
Theroz Alcohol Burners and Stoves. Theroz Co., New York.
Thespian Drinking Fountains. Crane Co., Chicago.
Thetascopes. Herman A. Holz, New York.
Thew Power Shovels. Thew Shovel Co., Lorain, O.
Thexton Envelope Sealing Machines. Acorn Brass Mfg. Co., Chicago.
Thibaud's Braided Heddles. Emmons Loom Harness Co., Lawrence, Mass.
Thiefoil Ignition Locks. The Caskey-Dupree Mfg. Co., Marietta, O.
Thin Model Engineers' Wrenches. Frank Mossberg Co., Attleboro, Mass.
Thin-O Carbon Paper. Miller-Bryant-Pierce Co., Aurora, Ill.
Thinwall Piston Rings. Standard Piston Ring Co., Boston, Mass.
1340 Graphite. Acheson Graphite Co., Niagara Falls, N. Y.
36 Part Dough Dividing Machines. Wm. Zoeller Co., Chicago.
Thirty Per Cent Hevea Wire. General Electric Co., Schenectady, N. Y.
"37" Air Hose. Goodall Rubber Co., Philadelphia, Pa.
Thistle Abrasive Material. Globe Steel Co., Mansfield, O.
Thistle Gauge Glasses. J. E. Lonergan Co., Philadelphia.
Thistle Oil and Grease Cups. Wm. Powell Co., Cincinnati, O.
Thistle Rubber Goods and Packing. Boston Belting Co., Boston, Mass.
Thistle Rubber Hose. Whitehead Bros. Rubber Co., Trenton, N. J.
Thistle Taps and Dies, Screw Plates. Winter Bros. Co., Wrentham, Mass.
Thistle Taps and Dies. Winter Bros. Co., Wrentham, Mass.
Thomas Agricultural Implements. Thomas Mfg. Co., Springfield, O.
Thomas Alfalfa Sulky Hay Rakes. Thomas Mfg. Co., Springfield, O.
Thomas Blast Furnaces. Thomas Furnace Co., Milwaukee, Wis.
Thomas Carriage Top Props. C. Cowles & Co., New Haven, Conn.; Searls Mfg. Co., Newark, N. J.
Thomas Core Box Machines. Portland Co., Portland, Me.
Thomas Crown Mowers. Moline Plow Co., Moline, Ill.; Thomas Mfg. Co., Springfield, O.
Thomas Double Cylinder Hay Loaders. Thomas Mfg. Co., Springfield, O.
Thomas Grate Bars. Thomas Grate Bar Co., Birmingham, Ala.
Thomas Hoists. Thomas Elevator Co., Chicago.
Thomas Insulator. R. Thomas & Sons Co., East Liverpool, O.
Thomas Multiple Punches; Spacing Tables. Thomas Spacing Machine Co., Pittsburgh, Pa.
Thomas Quality Electrical Porcelain; Porcelain Specialties; Link-Type Hewlett Insulator; "Baby" Link-Type Insulator; Separable-Unit Posts; Line Wire Protector. The R. Thomas & Sons Co., East Liverpool, O.
Thomas Rail Anchor Tie Plate. Chicago Malleable Castings Co., Chicago.
Thomas Rail Bonds. Lord Mfg. Co., New York.
Thomas Rosettes. Bryant Electric Co., Bridgeport, Conn.
Thomas Spray Heads (now Yarway). Yarnall-Waring Co., Philadelphia, Pa.
Thomas Swath Hay Loaders. Thomas Mfg. Co., Springfield, O.
Thomas-Vanadium Pig Iron. Thomas Iron Co., Hokendauqua, Pa.
Thomas Wilson Knives. Adolph Kastor & Bros., New York.
Thomas WSD Elliptic Grate Bars. Thomas Grate Co., Birmingham, Ala.
Thomason Auto Pistons. Shepard-Thomason Co., Los Angeles, Cal.
Thompson Conduit Pipe Reamers. Steel City Electric Co., Pittsburgh.
Thompson Duplex Valves. W. E. Mushet Co., San Francisco, Cal.
Thompson Indicators, Regulators. R. Thompson & Co., New York.
Thompson Oil Pump Lubricators. Star Brass Mfg. Co., Boston, Mass.
Thompson Oilers. Noera Mfg. Co., Waterbury, Conn.
Thompson Pneumatic Hose Couplings. Keller Pneumatic Tool Co., Fond du Lac, Wis.
Thompson Punches and Butcher Saws. H. G. Thompson & Sons Co., New Haven, Conn.
Thompson-Ryan Street Railway Generators, Dynamos. Ridgway Dynamo & Engine Co., Ridgeway, Pa.
Thompson Safety Disconnecting Hangers. The Thompson Electric Co., Cleveland, O.
Thompson Steam Engine Indicators. Jas. L. Robertson & Son, New York.
Thompson Universal Grinding Machines. The Thompson Grinder Co., Springfield, O.
Thompson & Spencer Damper Regulators. Richard Thompson & Co., New York.
Thomson Combination Roll Dough Moulding Machines. Thomson Machine Co., Belleville, N. J.
Thomson Cutters and Creasers (For Box Makers); Embossing Presses. Thomson-National Press Co., Inc., Long Island City, N. J.
Thomson Electric Welder. Thomson Electric Welding Co., Lynn, Mass.
Thomson Meters. General Electric Co., Schenectady, N. Y.
Thomson Smoke Test Machines. Gunster Bros., Scranton, Pa.
Thomson Spot Welding Machine. The Thomson Spot Welder Co., Cincinnati, O.
Thomson Stone Planing Machine Attachments. Lincoln Iron Works, Rutland, Vt.
Thomson & Evans Pumps. C. H. Evans & Co., San Francisco, Cal.
Thomson & Evans Steam Pumps. C. H. Evans & Co., San Francisco, Calif.
Thor Forging Blooms. Pittsburgh Forge & Iron Co., Pittsburgh, Pa.
Thor Pneumatic Tools, Hoists, Grinders, Forges, Air Compressors, Flue Rollers, Piston Air Drills, Reaming and Tapping Drills, Electric Drills, Portable Air Grinders, Riveters, Chipping, Calking, Beading and Scaling Hammers, Pneumatic Tool Hose, Hose Couplings. Independent Pneumatic Tool Co., Chicago.
Thor Staybolt Iron. Pittsburgh Forge & Iron Co., Pittsburgh, Pa.
Thor Washing Machines and Vacuum Cleaners. Hurley Machine Co., Cicero, Ill.
Thordarson Gas Igniters. Thordarson Elec. Mfg. Co., Chicago.
Thornburgh Draft Gear and Spring Boxes. Monarch Steel Castings Co., Detroit, Mich.
Thornburg Reinforced Adjustable and Non-Adjustable Dust Guards. W. N. Thornburgh Mfg. Co., Cicero, Ill.
Thorne Skid Chains. Hill Insulating & Mfg. Corp., New York.
Thornhill Wagons. Thornhill Wagon Co., Lynchburg, Va.

Thornton Paving Blocks. Thornton Fire Brick Co., Clarksburg, Va.
Thorobred Piston Packing. Mulconroy Co., Philadelphia, Pa.
Thorobrush Brushes. Lafayette Brush & Mfg. Co., Lafayette, Pa.
Thorofine Gears. Merkle-Korff Gear Co., Chicago.
Thorophone Loud Speaker. Winkler-Reichmann Co., Chicago.
Thorough-Bread Slicer. Morley Machinery Corp., Rochester, N. Y.
Thorp-Richardson Doors. Thorp Fire Proof Door Co., Minneapolis.
Thorsbred Farm Tractor. Commonwealth Motors Co., Chicago, Ill.
Thread Cotton Mops. Massasoit Mfg. Co., Fall River, Mass.
Thread Guard Casters. Hamilton Caster & Mfg. Co., The, Hamilton, O.
Thread Tight Pipe Joint Compounds. Thread-Tight Co., New York.
Threaded Catch Sockets and Receptacles. General Electric Co., Schenectady, N. Y.
Threaded Stuffing Boxes. Thos. Laughlin Co., Portland, Me.
Threadwell Dies, Taps, Screw Plates. The Wells Corporation, Greenfield, Mass.
3-A Cleanser. Three-A Mfg. Co., New Haven, Conn.
Three B Soap. Rome Soap Mfg. Co., Rome, N. Y.
Three Bee Shoe Blackings. S. M. Bixby & Co., Brooklyn, N. Y.
3-C Water Closet Bowl Cleaning Compounds. Cooper Sanitary Mfg. Co., Philadelphia.
Three E Electric Power Equipment. Electrical Engineers Equipment Co., Chicago.
Three Horses Iron Cement. John Baizley Iron Works, Philadelphia, Pa.
Three-in-One Coaster Wagons. John's Stamping & Machine Works Co., Cleveland, O.
Three-in-One Lubricating Oils and Greases and Furniture Polish. Three-in-One Oil Co., New York.
Three-in-One Pipe Threading Dies. National Pipe Die & Machine Co., Archbold, O.
3-in-One Potato Mashers. Minerva Hdwe. Mfg. Co., Minerva, O.
Three-in-one Taper Reamer. Wolverine Brass Works, Grand Rapids, Mich.
Three-in-One Tire Vulcanizers. Adam Fisher Mfg. Co., St. Louis, Mo.
Three M Flint Paper. Minnesota Mining & Mfg. Co., Chicago.
Three M Garnet Paper and Cloth. Minnesota Mining & Mfg. Co., Chicago.
Three Man Rail Layer. The Maintenance Equipment Co., Chicago
Three-M-ite Abrasive Cloth. Minnesota Mining & Mfg. Co., Chicago.
Three Screw Port Lights. Thos. Laughlin Co., Portland, Me.
Three Star Fire Clay Refractories. Parker-Russell Mining & Mfg. Co., St. Louis, Mo.
Three Speed Flour Mixers. Reed Machinery Co., York, Pa.
Three Star Lacquer. M. L. Barrett & Co., Chicago.
Three Star Rubber Belting, Steam Hose. W. D. Allen Mfg. Co., Chicago.
Three Star Unfilled Window Shades. Talbert-Whitmore Co., Los Angeles, Cal.
Three-Way Exhaust Valves. Mead-Morrison Mfg. Co., Boston, Mass.
3-Way Fishing Reel. Redifor-Beetzsel Co., Washington, D. C.
3-Way Luxfer Glass Prisms, Transoms, Skylights, Sidewalk Doors and Vault Lights. Am. 3-Way Prism Co., Cicero, Ill.
Three-Way Syphon Pumps. F. E. Myers & Bro., Ashland, O.
Three X Fire Clay Refractories. Parker-Russell Mining & Mfg. Co., St. Louis, Mo.
Threlfal Cotton Mules. C. E. Riley Co., Boston, Mass.
Thresher Pumps. Goulds Mfg. Co., Seneca Falls, N. Y.
Thrift Stoves. Pittston Stove Co., Pittston, Pa.
Throop Land Levelers. H. C. Shaw, Stockton, Cal.
Thru-Cord Switches. General Electric Co., Schenectady, N. Y.
Thuban (Texaco) Gear Compound. The Texas Company, New York.
Thumbs Hand Soap. Harrah & Stewart Mfg. Co., Des Moines, Ia.
Thumswitch Auto Trouble Finder. McGill Mfg. Co., Valparaiso, Ind.
Thunder Auto Horns. Sears Cross Co., Brooklyn, N. Y.
Thunderbolt Vacuum Cleaners. Sterling Machine & Stamping Co., Wellington, O.
Thurbis Motor Cloths. Thurnauer & Bischoff, New York.
Thurco Cutters, Die Filing and Milling Machines, End Mills, Saws, Surface Plates and Watchmakers' Tools. Thurston Mfg. Co., Providence, R. I.
Thurman Vacuum Cleaners. General Compressed Air & Vacuum Machinery Co., St. Louis, Mo.
Thurmo High Pressure Sheet Packing. O. C. Keckley Co., Chicago.
Thurston Die Milling Machines. Thurston Mfg. Co., Providence, R. I.
Thur-Stone Rubbing Grains. F. W. Thurston Co., Chicago.
Thwing High Resistance Multiple Record Pyrometers. Thwing Instrument Co., Philadelphia, Pa.
Tico Steel Die Blocks. Titusville Forge Co., Titusville, Pa.
Ti-Co-Dor Truckable Freight Elevator Door. St. Louis Fire Door Co., St. Louis, Mo.
Tico Boilers, Gas Engines, Geared Powers. The Titusville Iron Works Co., Titusville, Pa.
Ticonderoga Graphite. Jos. Dixon Crucible Co., Jersey City, N. J.
Tidewater Cement. Tidewater Portland Cement Co., New York.
Tide Water Oils. Tide Water Oil Co., New York.
Tie-End Mattresses for Wall Beds. California Wall Bed Co., San Francisco, Cal.
Tiemann's Paints, Enamels and Colors. Peterman, H. (Fulton Paint & Color Wks.), Brooklyn, N. Y.
Tiffany Ammeters, Battery Cutouts, Electric Auto Lamps. Tiffany Mfg. Co., Newark, N. J.
Tiffany Enamel Brick. Thomas Moulding Brick Co., Chicago.
Tiger Belting, Hose and Matting, Insulating Tape. Boston Woven Hose & Rubber Co., Cambridgeport, Mass.
Tiger Bench Vises, Parallel Vises. Emmert Mfg. Co., Waynesboro, Pa.
Tiger Brand Lime. The Kelley Island Lime & Transport Co., Cleveland, O.
Tiger Bronze Bearings. More-Jones Brass & Metal Co., St. Louis, Mo.
Tiger Bronze Castings; Axle and Armature Bearings. More-Jones Brass & Metal Co., St. Louis, Mo.
Tiger Cultivators. Rockford Mfg. Co., Rockford, Ill.
Tiger-Fertilizer Attachments. Tiger Drill Mfg. Co., Beaver Dam, Wis.
Tiger Grease Cups. Lunkenheimer Co., Cincinnati, O.
Tiger Hose. Home Rubber Co., Trenton, N. J.
Tiger Hot Air Furnaces. Floyd-Wells Co., Royersford, Pa.
Tiger Leather Belting. Andrew Cowan & Co., Inc., Louisville, Ky.
Tiger Lubricating Oils and Greases. Swan & Finch Co., New York.
Tiger Metallic Berths and Bunks, Woven Wire Folding Cots. Haggard & Marusson Co., Chicago.
Tiger Nail Pullers. Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
Tiger Portland Cements. Castalia Portland Cement Co., Pitts., Pa.
Tiger Pull Traction Engines. Advance-Rumely Co., LaPorte, Ind.
Tiger Ready-Roofing. The Texas Company, New York.
Tiger Rice Separators. Advance Rumley Co., La Porte, Ind.
Tiger Rubber Hose. Boston Woven Hose & Rubber Co., Cambridge, Mass.; Home Rubber Co., Trenton, N. J.
Tiger Shovels. Frick & Lindsay Co., Pittsburgh, Pa.
Tiger Spray Nozzles. Field Force Pump Co., Elmira, N. Y.
Tiger Steel Bunks. De Remer-Blachford Co., Chicago.
Tiger Stove Pipe and Elbows. Lyon, Conklin & Co., Baltimore, Md.
Tiger Tread Rubber Heels. Panther Rubber Mfg. Co., Stoughton, Mass.
Tiger Tobacco Transplanters. Ohio Rake Co., Dayton, O.
Tiger Toilet Paper Holders. Weston Paper & Mfg. Co., Dayton, O.
Tiger Varnish. W. W. Lawrence & Co., Pittsburgh, Pa.
Tiger Wagon Jacks. Richards-Wilcox Mfg. Co., Aurora, Ill.
Tiger Wash Boilers. Pritchard Stamping Co., Rochester, N. Y.
Tiger Wire Rope Clips. Am. Steel & Wire Co., Chicago.
Tiger Wrapping Paper. Newton Paper Co., Holyoke, Mass.
Tiger Wrenches. Reed Mfg. Co., Erie, Pa.
Tiger White Enamels. W. W. Lawrence & Co., Pittsburgh.
Tightcote Galvanized Roofing and Siding, Fireproof Garages and Portable Buildings. Edwards Mfg. Co., Cincinnati, O.
Tight-Wad Piston Rings. Jos. Horatt Mfg. Co., Lafayette, Ind.
Ti-It Box Strapping Machine. Ti-It Machines Co., San Francisco.
Ti Ki Paints, Enamels and Varnishes. Acme White Lead & Color Works, Detroit, Mich.
Tile-In China Bathroom Accessories. Hughes-Evans Co., New York.
Tileine Flooring. Cambridge Tile Mfg. Co., Covington, Ky.
Tilene Floor Cleaner. Cambridge Tile Mfg. Co., Covington, Ky.
Tilghman Sand Blast Equipment. Tilghman Brooksbank Sand Blast Co., Philadelphia.
Tillman Fertilizer Distributors. Harriman Mfg. Co., Harriman, Tenn.
Tilted Turret Lathes and Screw Machines. Wood Turret Machine Co., Brazil, Ind.
Tiltlok Steering Wheels. Disco Electric Mfg. Co., Detroit, Mich.
Tilton Endless Belt. Arthur S. Brown Mfg. Co., Tilton, N. H.
Tilton Solid Cotton Belting. Arthur S. Brown Mfg. Co., Tilton, N. H.
Tim Calculating Machines. The Tim Calculating Machine Co., Chicago.
Timachine Burrs for Sharpening Pulp Mill Stones. Ticonderoga Machine Works, Ticonderoga, N. Y.
Timberly Pipe Joints. National Tube Co., Pittsburgh, Pa.
Timelite Electric Light Alarm Clock. F. W. Jansen Clock Co., Chicago.
Time Saver Grinding Compounds. M. T. K. Products Co., Seattle.
Time Study Watches. Mortimer J. Silberberg, Engineer, Chicago.
Times Sliding Furniture Shoes. Gould-Mesereau Co., New York.
Timken-Detroit Motor Car Axles. Timken-Detroit Axle Co., Detroit, Mich.
Timken-Equipped Cars. The Timken Roller Bearing Co., Canton, O.
Timm Bushing Pullers. Tucker Bros. Mfg. Co., Sacramento, Cal.
Tinco Tinware. Pittsburgh Tinware Mfg. Co., Pittsburgh.
Tindel Allbrecht Lathes, Saws. Morris Tindel Co., Eddystone, Pa.
Tinol Solders, Flux, Paste, Salts, Etc. American Solder & Flux Co., Philadelphia, Pa.
Tinnol Paste. Arabol Mfg. Co., New York.
Tintolac Floor Finish. Lincoln Paint & Color Co., Lincoln, Neb.
Tiny Oil and Grease Cup Lubricators. Wm. Powell Co., Cincinnati.
Tiny 3 Lever Padlocks. Slaymaker Lock Co., Lancaster, Pa.
Tioga Forging Specialties. Tioga Steel & Iron Co., Philadelphia, Pa.
Tioga Garden Hose. Quaker City Rubber Co., Philadelphia, Pa.
Tioga Reclaimed Rubber. U. S. Rubber Reclaiming Works, New York.
Tiolene Oil. Tiolene Oil Co., Binghamton, N. Y.
Tiona Axle Grease. Warren Lubricant Co., Buffalo, N. Y.
Tipover Dumping Carts. E. D. Etnyre & Co., Oregon, Ill.
Tip-Top Babbit Metal. Paul R. Brown Co., New York.
Tip-Top Cattle Whips. Diamond Whip Co., Chicago.
Tip-Top Cotton and Corn Planters. International Harvester Company of America, Inc., Chicago.
Tip-Top Duplicators. Felix F. Daus Duplicator Co., New York.
Tip-Top Fertilizer Distributors. Towers & Sullivan Mfg. Co., Rome, Ga.
Tip Top Garden Cultivators. Hartman Mfg. Co., Vincennes, Ind.
Tip Top Lawn Mowers. Worcester Lawn Mower Co., Worcester, Mass.
Tip Top Paint Cans. Manufacturers' Can Co., Harrison, N. J.
Tip-Top Paper Fasteners. Tip-Top Manufacturing Co., Syracuse, N. Y.
Tip Top Push Buttons. Benjamin Electric Mfg. Co., Chicago.
Tip-Top Radiator Caps. Hansen & Olsen Co., Chicago.
Tip Top Rubber Insulated Wires and Cables. Standard Underground Cable Co., Pittsburgh, Pa.
Tip-Top Shaking Grates. United States Rocking Grate Bar Co., Chicago.
Tip-Top Shredded Metallic Packing. France Packing Co., Inc., Phila.
Tip-Top Stoves, Ranges and Heaters. Southern Stove Wks., Richmond, Ind.
Tip-Top Ventilating Caps. Miller Fdry. Specialty & Co., Tonawanda, N. Y.
Tip Top Ventilator. Anderson Mfg. Co., Des Moines, Ia.
Tip-Top Vulcanizing Outfit. The Akron Rubber Mold & Machine Co., Akron, O.
Tiree Wool and Fibre Rugs. Jos. Wild & Co., New York.
Tirex Mining Machine Cable. Simplex Wire & Cable Co., Boston, Mass.
Tir-O-Fix Tire Sealing Material. Wallace J. Lumley, Chicago.
Tirrill Gas Machines. Tirrill Gas Mach. Lighting Co., New York.
Tisafine Belting, Pump Cups, Gaskets, Etc. Strongs Mach'y & Supply Co., New York.
Tisco Manganese Steel. Taylor-Wharton Iron & Steel Co., High Bridge, N. J.
Tisco Manganese Steel Track Work, Rails, Switches, Etc. Wm. Wharton Jr., & Co., Inc., Easton, Pa.
Tital Cast Steel Frogs. Weir Frog Co., Norwood, O.
Tital Engines and Tractors. International Harvester Corp., Chicago.
Titan Batteries. General Lead Batteries Co., Newark, N. J.
Titan Belt; Hose; Packing; Mats; Matting Cement. The Diamond Rubber Co., Inc., Akron, O.
Titan Bronze. Tital Metal Co., Bellefonte, Pa.; Harban Metal Products Co., New York.
Titan Conveyor and Log Chains, Drag Saws and Iron Bar Mills. Mill & Mine Supply Co., Seattle, Wash.
Titan Dredge Chains. Mill & Mine Supply Co., Seattle, Wash.
Titan Electric Drills. Argyle Railway Supply Co., Chicago.
Titan Gears and Pinions. Atha Steel Casting Co., Newark, N. J.
Titan Innersole Board. C. B. Hewitt & Bros., Inc., New York.
Titan Kerosene Tractors. International Harvester Co. of America (Inc.), Chicago.
Titan Pneumatic Hammers. Titan Automatic Tool Co., New York.
Titan Sockets. Bryant Electric Co., Bridgeport, Conn.
Titan Tinners' Saws. Bridgeport Hdw. Mfg. Corp., Bridgeport, Conn.
Titan Tools. Titan Automatic Tool Co., Inc., New York.
Titan Valves. Wm. Powell Co., Cincinnati, O.
Titanellow Ceramic Colors. Foote Mineral Company, Inc., Phila.
Titanic Automobile Springs. Tuthill Spring Co., Chicago.
Titanium Aluminum Bronze. Frontier Bronze Corp., Niagara Falls, N. Y.
Titanox Pigments. Titanium Pigment Co., Niagara Falls, N. Y.
Titchener's Carriage Fasteners. Crandal-Stone Div., The Brewer-Titchener Corp., Binghamton, N. Y.
Tite-Edge Rubber Heels. Essex Rubber Co., Trenton, N. J.

Titehold Shingles. Carolina Portland Cement Co., Charlotte, N. C.
Titeflex All-Metal Tubing. Titeflex Metal Hose Co., Newark, N. J.
Tiltekote Asphalt Points. Barber Asphalt Paving Co., Phila., Pa.
Titelock Metal Shingles. Decatur Cornice & Roofing Co., New Decatur, Ala.
Titenrite Metal Seals. National Seal Co., Inc., Portland, Me.
Tite Seald Automatic Packaging Machines. Ivers-Lee Co., Newark, N. J.
Titus Drill Vises. Titus Machine Works, Marion, O.
Titeweld Gas Tubing. Bishop Gutta Percha Co., New York.
Tiwoco Kerosene Lubricating Oils. Tide Water Oil Co., New York.
Tixit Office and Library Paste. Clark Paper & Mfg. Co., Dept. H, Rochester, N. Y.
Tixol Cattle Dip. Wm. Cooper & Nephews, Chicago.
Toad Scrubbing Brushes. Standard Brush Co., New Hartford, Conn.
Tobey Grease Traps, Steam Traps. J. L. Mott Iron Wks., Trenton, N. J.
Tobin Bronze. American Brass Co., Waterbury, Conn.
Tochsedo Varnishes. Toch Brothers, Inc., New York.
Tockolith Patented Cement Paint. Toch Brothers, Inc., New York.
Toco Graphite Paints. Tropical Paint & Oil Co., Cleveland, O.
Toconamel Paints and Enamels. Tropical Paint & Oil Co., Cleveland, O
Tocoplastic Paint. Tropical Paint & Oil Co., Cleveland, O.
Tocoseal Roofing Cement. Tropical Paint & Oil Co., Cleveland, O.
Tocotone Paint. Tropical Paint & Oil Co., Cleveland, O.
Tod Engines. Wm. Tod Co., Youngstown, O.
Todd End Cutting Nippers. T. D. Hotchkiss Co., Deep River, Conn.
Tofco Lumber, Oak Flooring. Tenn. Oak Flooring Co., Nashville, Tenn.
Togan Sectional Buildings. Togan-Stiles Co., Grand Rapids, Mich.
Togo Wood Stoves. Gray & Dudley Hardware Co., Nashville, Tenn.
Toiltex Tissue. National Paper Products Co., San Francisco, Calif.
Toka Roof Coating. National Roofing Co., Tonawanda, N. Y.
Tokheim Gasoline and Oil Storage and Dispensing Equipment. Tokheim Oil Tank & Pump Co., Ft. Wayne, Ind.
Toledo Automatic Dial Scales. Toledo Scale Co., Toledo, O.
Toledo Blast Furnaces. Toledo Furnace Co., Cleveland, O.
Toledo Brazed Steel Tubing. Standard Steel Tube Co., Toledo, O.
Toledo Clipper Garden Barrows. Toledo Wheelbarrow Co., Toledo, O
Toledo Cranes. The Toledo Crane Co., Bucyrus, O.
Toledo Electric Coldmaker Ice Machines. Toledo Coldmaker Co., Toledo, O.
Toledo Garden Cultivators, Wheel Garden Hoes, Weeders. Thornburgh Mfg. Co., Bowling Green, O.
Toledo Grain Dryers. J. D. Gerken Co., Toledo, O.
Toledo Hand Screw Machines. The Biggs-Watterson Co., Cleve., O.
Toledo High Speed Steel. Jno. Hy. Andrews & Co., Ltd., New York.
Toledo Machine Tools. Toledo Machine & Tool Co., Toledo, O.
Toledo Pipe Threaders; Pipe Threading and Cutting Machines; Stocks and Dies. Toledo Pipe Threading Machine Co., Toledo, O.
Toledo Power Drive. The Toledo Pipe Threading Machine Co., Toledo, O.
Toledo (Sheffield) Tool Steel. Toledo (Sheffield) Steel Works, New York.
Toledo Stained Shingles. The C. A. Mauk Lumber Co., Toledo, O.
Toledo Steering Coasters. Toledo Metal Wheel Co., Toledo, O.
Tolhurst Centrifugals (Hydro. Extractors). Tolhurst Machine Works Troy, N. Y.
Tolman Tweezers. Adell Mfg. Co., Orange, Mass.
Tolman's Welding and Cutting Outfits. Tolman Mfg. Co., Boston, Mass.
Toluol. Barrett Co., New York.
Tomahawk Pneumatic Oil Pump; Spring Lubricator; Graphite Lubricant. Tomahawk Mfg. Co., Cleveland, O.
Tomahawk Roofing Brushes. New Jersey Brush Co., Bloomfield, N. J.
Tomb Brand Deadening Felt. Barrett Co., New York.
Tomlinson Barometric Condensers. Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Tomlinson Car Couplers (Electric Railway). The Ohio Brass Co., Mansfield, O.
Tom Thumb Carburetor. E. G. Atkins Co., Mansfield, O.
Tom-Thumb Hand Riveting Machines. A. C. Williams Co., Ravenna, O.
Tonado Barn Door Hangers. J. E. Porter Co., Ottawa, Ill.
Tonapah Cotton Planing Drills, Riding Listers. Racine-Sattley Co., Springfield, Ill.
Tonawanda Emery Grinders. Gillie Mach. Co., Tonawanda, N. Y.
Tonawanda Scotch Pig Iron. Tonawanda Iron & Steel Co., North Tonawanda, N. Y.
Toncan Metal Sheets. United Alloy-Steel Corp., Canton, O.; The Berger Mfg. Co., Canton, O.
Ton-Cap Screen. W. S. Tyler Co., Cleveland, O.
Tondeur Window Glass Annealing Lehrs. Woods-Lloyd Co., Pittsburgh, Pa.
Ton-Don Axles. Shelden Axle & Spring Co., Wilkes-Barre, Pa.
Tonetic Stains, Varnishes, Paints. Pratt & Lambert, Buffalo, N. Y.
Tonford Motor Trucks. Detroit Truck Co., Detroit, Mich.
Tonk Piano Benches. Tonk Mfg. Co., Chicago.
Tonka Belting and Hose. Republic Rubber Co., Youngstown, O.
Tonsorial Gem Razors. F. A. Clauberg & Co., New York.
Toohey Timber Dapper. National Concrete Machy. Co., Madison, Wis.
Tool Steel Gears and Pinions. Tool Steel Gear & Pinion Co., Cincinnati, O.
Toombs Gas Water Heaters. Geneva Heater Co., Geneva, Ill.
Toothless Currycombs. Wisconsin Metal Products Co., Racine, Wis.
Toots-E Electric-Steam Signal Systems. C. M. Lovsted & Co., Seattle, Wash.
Top Cutting and Lubricating Oil. Frontier Mfg. Co., Tonawanda, N. Y.
Top Mill Pig Iron. Wheeling Steel & Iron Co., Wheeling, W. Va.
Topaz Grease Cup Lubricators. Williams Valve Co., Cincinnati, O.
Top-Pix Carriage and Top Dressing. R. F. Johnston Paint Co., Cincinnati, O.
Top Notch Pulleys. American Pulley Co., Philadelphia, Pa.
Top Notch Steel. L. C. Blancke Co., New York.
Top-Nu Auto Top Dressing and Renewer. Super-Glos Mfg. Co., San Francisco.
Topsail Cordage and Twines. Bibb Mfg. Co., Macon, Ga.
Topton Pig Iron. Empire Steel & Iron Co., Catasauqua, Pa.
Top-Tone Top Dressing. Bar Lac Co., Oakland, Cal.
Toquet Carburetors. Toquet Carburetor Corp., Westport, Conn.
Torch Black. L. Martin & Co., New York.
Torchweld Welding Apparatus. Torchweld Equipment Co., Chicago.
Tork Clocks and Products. Tork Company, New York.
Tormay Engine and Machine Oilers. Ironsides Co., Columbus, O.
Tornado Boiler Flue and Tube Cleaners. Paul B. Huyette Co., Phila., Pa.
Tornado Coal Drills. Herzler-Henninger Machine Wks., Belleville, Ill.
Tornado Corn and Cob Mills. Appleton Mfg. Co., Batavia, Ill.
Tornado Feed Cutters, etc. W. H. Harrison Co., Massillon, O.
Tornado Hand Blowers. Geo. S. Comstock & Son, Mechanicsburg, Pa.
Tornado Hose. Gutta Percha & Rubber Mfg. Co., New York.
Tornado Insect Guns. Thos W. Houchin Co., New York.
Tornado Pneumatic Tool Hose. W. D. Allen Mfg. Co., Chicago.
Tornado Spray Pumps, Tire Air Pumps. Judd-Leland Mfg. Co., Clifton Springs, N. Y.
Tornado Tube Cleaners. Paul B. Huyette Co., Philadelphia.
Tornquist Electric Protectors. Trio Mfg. Co., Rock Island, Ill.
Toro Agricultural Compound Fertilizer. Stauffer Chemical Co., San Francisco.
Toro Counter Board. C. B. Hewitt & Bros., Inc., New York.
Toroid Lenses. Genesee Optical Co., Rochester, N. Y.
Toron Wood Preservative. Protexol Corp., New York.
Torpedo Asbestos Sheet Packing. Osgood Sayen, Philadelphia, Pa.
Torpedo Boiler Tube Cleaners. General Specialty Co., Buffalo, N. Y.
Torpedo Cordage and Twines. Bibb Mfg. Co., Macon, Ga.
Torpedo Lead Pencils. Eagle Pencil Co., New York.
Torpedo Packing. Manhattan Rubber Mfg. Co., Passaic, N. J.
Torpedo Typewriter Cleaning Brushes. Morton Mfg. Co., Louisville, Ky.
Torrance Automatic Balling Machine. Torrance Mfg. Co., Harrison, N. J.
Torrey Rod Springs. Columbian Hardware Co., Cleveland, O.
Torrid Alcohol Stoves. Thos. W. Houchin Co., New York.
Torrid Furnaces and Torches. Geo. W. Diener Mfg. Co., Chicago.
Torrid Steam Heaters. W. H. Drake Co., Newark, N. J.
Torrid Zone Furnaces. Lennox Furnace Co., Marshalltown, Ia.
Torrington Cleaners. Torrington Co., The, Torrington, Conn.
Torsion Assay Balances, Testing Scales. Torsion Balance Co., New York.
Torsion System Pence Posts. Carbo Steel Products Co., Chicago.
Tortoise Rubber Hose. Goodyear Rubber Co., San Francisco.
Toscani Cheroot Cigar Machinery. American Machine & Foundry Co., Brooklyn, N. Y.
Tot Scrubbing Brushes. Standard Brush Co., New Hartford, Conn.
Total Eclipse Yard Hydrants. Jno. C. Kuperle, St. Louis, Mo. American Foundry & Mfg. Co., St. Louis, Mo.
Tough Tool Steel. H. C. Wardlow, New York.
Touraine Tiles. American Encaustic Tiling Co., Ltd., New York.
Tout Welding Torches. St. Paul Welding & Mfg. Co., St. Paul, Minn.
Tower Bean Cultivators, Walking and Riding Cultivators. J. D. Tower & Sons Co., Mendota, Ill.
Tower Belting Rubber Hose. Republic Rubber Co., Youngstown, O
Tower Car Couplers. National Malleable and Steel Castings Co., Cleveland, O.
Tower Edgers and Trimmers. Gordon Hollow Blast Grate Co., Greenville, Mich.
Tower Paint. Driscoll Bros. & Co., Ithaca, N. Y.
Tower Paint Oils, Varnishes, Driers, etc. Tower Varnish & Dryer Co., Dayton, O.
Tower Trucks. Tower Motor Truck Co., Greenville, Mich.
Towers Pipe and Nut Wrenches, Screw Drivers. Union Hardware Co., Torrington, Conn.
Towers Potato Planters. Towers & Sullivan Mfg. Co., Rome, Ga.
Towmotor Tractor. The Towmotor Co., Cleveland, O.
Townsend Sewer Traps. Townsend Fdry. & Mach. Shop Co., Albany, N. Y.
Townsend Wheel Road Scrapers. The Lansing Company, Lansing, Mich.
Townsend Wire Stretchers. F. J. Townsend, Painted Post, N. Y.
Townsend Wood Screw Machy. and Taper Attachments. H. P. Townsend Mfg. Co., Hartford, Conn.
Townsend's Triplex Grass Cutter. S. P. Townsend & Co., Orange, N. J.
Town Talk Metal Washboards. National Washboard Co., Chicago.
Towsley Cincinnati Warehouse Trucks. John T. Towsley Mfg. Co., Cincinnati, O.
Towsley Improved Straightening Machine. John T. Towsley Mfg. Co., Cincinnati, O.
Toxement Waterproofing Compound. Toch Brothers, Inc., New York.
Toxilineum Preservative. Kettle River Co., Minneapolis, Minn.
Toxloxpore Damp Proof Coating. Toch Brothers, Inc., New York.
Toy Ice Cream Freezers. North Bros. Mfg. Co., Philadelphia.
Toy Electric Motors. H. K. Toy & Henley Skate Co., Richmond, Ind.
Tozer Steam Engines. Estate of John A. Willis, Columbia, S. C.
Trackless Trolley Cars. Trackless Trolley Co. of America, New York.
Tracoline Weed Killer. Railway Chemical Co., New York.
Tractoil (Texaco) Tractor Motor Oil. The Texas Co., New York.
Traction Leather Belting. Charles Bond Co., Philadelphia, Pa.
Tracy Copper Leaching Process. California Smelting & Refining Co., Los Angeles, Calif.
Traffic Trucks. Traffic Motor Truck Corp., St. Louis, Mo.
Trafilog Time Recorders. Brown Trafilog Co., Cleveland.
Trahern Pumps. Leader-Trahern Co., Rockford, Ill.
Trailmobile Automobile Truck Trailers. Trailmobile Co., Cincinnati.
Trainman Caboose Stoves. Stamford Foundry Co., Stamford, Conn.
Tranco-Duplex Tie Tongs. The National Surface Guard Co., Chicago
Tranco Elevating Trucks. The Transmission Ball Bearing Co., Inc., Buffalo, N. Y.
Tranco Tie Tong. Aldobilt Company, Chicago.
Tranco-Triplex Tie and Rail Tongs. The National Surface Guard Co., Chicago.
Trane Pumps and Heating Specialties. The Trane Company, La Crosse, Wis.
Tranquil Water-Closets. Wheeling Sanitary Mfg. Co., Wheeling, W. Va.
Transco Automobile Oils. Standard Oil Co., San Francisco.
Transil Insulating Oil. General Electric Co., Schenectady, N. Y.
Transit Engines, Pumps. National Transit Pump & Machine Co., Oil City, Pa.
Transit Split Switches and Switch Clips. Pettibone Mulliken Co., Chicago.
Translite Signs. L. D. Nelke-Signs-New York (Inc.) New York.
Transite Asbestos Wood. Johns-Manville, Incorporated, New York.
Transo Envelope. Transo Envelope Co., Chicago.
Transom Draft Gear. Commonwealth Steel Co., St. Louis, Mo.
Transparent Face Envelopes. Hesse Envelope & Lithograph Co., St. Louis, Mo.
Transparent Floor Finish. Murphy Varnish Co., Newark, N. J.
Transparent Waterproofing Brick Paints. Glidden Co., Cleveland, O.
Transparo Mothproof Bags. Transparo Cloth Corp., New York.
Transport Motor Trucks. Transport Truck Co., Mt. Pleasant, Mich.
Transue & Williams Steel Drop Forgings. Transue & Williams Steel Forging Corp., Alliance, O.
Transveyor Elevating Trucks. Cowan Truck Co., Holyoke, Mass.
Trap Dumps (For Grain Elevators). Trapp-Gohr-Donovan Co., Omaha, Neb.
Trasco Adjustable Rail Shims, Tie Plates, "U" Spikes or Track Anchors; Tie Check-Checkers; Electric Driven Rail Saws; Lock Nuts; Dating Nails; Car Stops, Etc. Track Specialties Co., New York.
Travelight Traveling Bags. Travelight Mfg. Co., Philadelphia.
Travis Glass Bottles. Travis Glass Co., Clarksburg, W. Va.
Trax-yun Antiskid Chains. Cleveland Chain & Mfg. Co., Cleveland, O.

Trax-Yun Truck Chains; Emergency Grips. The Krein Chain Co., Wapakoneta, O.
Traylor Farm Tractors and Motor Trucks, Converters and Smelting Furnaces. Traylor Engineering & Mfg. Co., Allentown, Pa.
Tread-Air Rubber Heels. Foster Rubber Co., Boston.
Treadiron Non-Corrosive Iron Castings. Treadwell Engineering Co., Easton, Pa.
Tread-Kill Industrial and Portable Railways. M. H. Treadwell Co., Chicago.
Treadkill Shaking Grate Bars. Treadwell Engineering Co., Easton, Pa
Treadwell Rubber Heels. Atlantic Mfg. Co., Wilmington, Del.
Treadwell Shaking Grates. M. H. Treadwell Co., New York.
Treadwill Rubber Heels. Atlantic Mfg. Co., Wilmington, Del.
Treasure Safety Pins. Oakville Co., Waterbury, Conn.
Treasury Blotting Paper. Jos. Parker & Son Co., New Haven, Conn.
Treco Automobile Horns. Russell Electric Co., Danbury, Conn.
Trector Undercoater. Patton Paint Co., Milwaukee, Wis.
Tree Brand Cutlery. H. Boker & Co., Inc., New York.
Trego Motors. Rochester Motors Co., Rochester, N. Y.
Tregodyne Radio Receiving Set. Trego Radio Mfg. Co., Kansas City.
Tr-ei-co Belting. Robert L. Ream, Pittsburgh, Pa.
Tremain Steam Stamps. Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Tremaine Natural Gas Burners. T. H. Jamison, Claysville, Pa.
Tremont Electric Lamp Hoods. National Metal Stamping & Mfg. Co., Newark, N. J.
Tremont Lubricators. D. T. Williams Valve Co., Cincinnati, O
Tremont Southern Pine. Tremont Lumber Co., Rochelle, La.
Trench-Zepp Stone Ballast Cleaner. Littleford Bros., Cincinnati, O.
Trenton Anvils. Columbus Forge & Iron Co., Columbus, O.
Trenton Boiler Couplings. Trenton Brass & Machine Co., Trenton, N. J
Trenton Grass Hooks and Shears. Boker Cutlery & Hardware Co., New York.
Trenton Trolley Wagon. J. R. McCordell & Co., Trenton, N. J.
Tres Rubber Hose. Electric Hose & Rubber Co., Wilmington, Del.
Treujer Bubble Drinking Fountains. Treujer Specialty Co., Trenton, N. J.
Trevor Law Patent Heading and Shingle Sawing Machine. Trevor Mfg. Co., Lockport, N. Y.
Trex Polishing Oils. Harrison B. Denton, Beardstown, Ill.
Triad Electric Lamp Posts. Casey-Hedges Co., Chattanooga, Tenn.
Triad Steel Hardening Furnaces. W. R. Bennett Co., Hartford, Conn.
Triangle B Brand Chemicals. C. G. Buchanan Chemical Co., Cincinnati, O.
Triangle Brand Asbestos Roofing Cement. Asbestos Products Co., Spokane, Wash.
Triangle Brand Bottles and Cases. Turner Bros. Co., Terre Haute, Ind.
Triangle Carbon Paper. H. M. Storms Co., New York.
Triangle D Wire Rope Blocks. A. P. Dienst Co., Inc., New York.
Triangle Electrical Conduits. Triangle Conduit Co., Brooklyn, N. Y
Triangle Laundry Starch. Corn Products Refining Co., New York
Triangle Lubricating Oils and Greases. Ohio Grease Co., Loudonville, Ohio.
Triangle M Brand Lumber. Mississippi Lumber Co., Quitman, Miss
Triangle Matches. Budde & Westerman, New York.
Triangle Mesh Concrete Reinforcement. American Steel & Wire Co. Chicago.
Triangle Motor Trucks. Triangle Motor Truck Co., St. Johns, Mich.
Triangle Paper Clip. L. F. Grammes & Sons, Inc., Allentown, Pa.
Tri-Angle Poultry Fountains, Poultry Coops. Tri-Angle Mfg. Co., Freeport, Ill.
Triangle Safety and Danger Signs. Safety Equipment Service Co. Cleveland, O.
Triangle Soda Ash. California Alkali Co., San Francisco.
Triangle Sheet Packing. O. C. Keckley Co., Chicago.
Triangular Iron Fences. F. P. Smith Wire & Iron Works, Chicago.
Tri Bar Automobile Bumper. Ritchie Willie Co., San Francisco.
Tri Belle Riding Drills, Listers. Moline Plow Co., Moline, Ill.
Tri-Bisc Pump Valves. J. C. Edgecumbe & Co., New York.
Tribble Clothes Lines. Tribble Cordage Mills, Inc., Boston.
Tribloc Chain Hoists. Ford Chain Block Co., Philadelphia, Pa.
Tribune Balls, Buckets, Gaskets, Hose, Valves, Tubings, Packing Washers. Continental Rubber Works, Erie, Pa.
Tribune Rubber Belting. Mountain States Rubber Co., Denver, Colo.
Tri-chek Shock Absorbers for Fords. Gemco Mfg. Co., Milwaukee.
Trico Electrical Apparatus. Trico Fuse Mfg. Co., Milwaukee, Wis.
Trico Radiator Cover or Shields. Art Metal Radiator Cover Co. Chicago.
Tri-Coat Cable Insulation. General Electric Co., Schnectady, N. Y.
Tricycle Riding Listers. Rock Island Plow Co., Rock Island, Ill.
Trident Chains. Newhall Chain, Forge & Iron Co., New York
Trident Conduit Wiring Rods. Diamond Expansion Bolt Co., New York.
Trident-Crest Water-cart Meters. Neptune Meter Co., New York.
Trident Lubricators. Wm. Powell Co., Cincinnati, O.
Trident Meters. Neptune Meter Co., New York.
Trieder Binoculars. C. P. Goertz Am. Optical Co., New York.
Trigger-lock Reversible Controller Fingers. Russell Mfg. Co., Niagara Falls, N. Y.
Trigram Brand Lubricating Oils. Galena-Signal Oil Co., Franklin, Pa.
Trilby Airtight Stoves. B. C. Bibb Stove Co., Baltimore, Md.
Trilby Shoe Blacking and Polishes. Everett & Barron Co., Providence, R. I.
Trill Indicators and Wheels. Trill Indicator Co., Corry, Pa.
Trilock Reversible Renewable Gauges. Pratt & Whitney Co., Hartford, Conn.
Trimalite Varnish. Keystone Varnish Co., Brooklyn, N. Y.
Trimo Wrenches. Trimont Mfg. Co., Roxbury (Boston), Mass.
Trimount Air Compressors, Pumps. Trimount Rotary Power Co., Boston.
Trimount Germantown Lampblack. Samuel Cabot, Inc., Boston, Mass.
Trimount Rubber Hose. Boston Belting Co., New York.
Triner Automatic Parcel Post Scales. Allsteel Scale Co., Inc., New York.
Trindl Piston Pins, Rings, Etc. Trindl Co., Chicago.
Trine Electric Lamp Posts. Casey-Hedges Co., Chattanooga, Tenn.
Trinidad Asphalt Pavement. Sicilian Asphalt Paving Co., New York.
Trinidad Built-Up Roofing. Barber Asphalt Paving Co., Philadelphia, Pa.
Trinidad Lake Asphalt. Barber Asphalt Paving Co., Philadelphia, Pa.
Trinity Belting. Combination Rubber Mfg. Co., Bloomfield, N. J.
Trinity Cement. Trinity Portland Cement Co., Dallas, Tex.
Trinity Lavatories and Fittings. Sanitas Mfg. Co., Boston.
Trinity Portland Cement. Trinity Portland Cement Co., Dallas, Tex.
Trinity Salad Oil and Soap. Trinity Cotton Oil Co., Dallas, Tex.
Tri-Odin Natural Gas Burners. Odin Stove Mfg. Co., Erie, Pa.
Triole Electric Lamp Posts. Casey-Hedges Co., Chattanooga, Tenn.
Triolite Enamel. Denny Hilbourn & Rovenbach, Philadelphia, Pa.
Tripart Fishing Reels. A. F. Meisselbach Mfg. Co., New York.
Triple Clutch Animal Traps. Triumph Trap Co., Inc., Oneida, N. Y.
Triple Diamond Chisels, Punches, Milling Files, Spark Plugs and Wrenches. Whitaker Mfg. Co., Chicago.
Triple Petticoat Glass Insulators. Hemingway Glass Co., Muncie, Ind.; Locke Insulator Mfg. Co., Victor, N. Y.
Triple Sheet Pure Gum Packing. Gutta Percha & Rubber Mfg. Co., New York.
Triple Spark Plugs. Superior Motor Specialty Co., Philadelphia.
Triple Tape Safety Fuse. E. I. du Pont de Nemours & Co., Inc., Wilmington, Del.
Triple Test Crystals for Detectors. Foote Mineral Co., Inc., Phila.
Triplex Buffs. A. P. Munning & Co., New York.
Triplex Heaters. General Gas Appliances Co., New York.
Triplex Oil Gauges. Lunkenheimer Co., Cincinnati, O.
Triplex Power Pumps. Pratt & Cady Co., Inc., Hartford, Conn.
Triplex Spring Butt Hinges. Chicago Spring Hinge Co., Chicago.
Triplex Spring Hinges. Chicago Spring Hinge Co., Chicago.
Triplex Tape Fuses. E. I. du Pont de Nemours & Co., Wilmington, Del.
Triplex Tie and Rail Tong. Aldobilt Company, Chicago.
Triplex Tire Air Pumps. Judd & Leland Mfg. Co., Clifton Springs, N. Y.
Triplexd Gasoline Hose. Metal Hose & Tubing Co., Brooklyn, N. Y.
Trip-L-Heat Electric Sad Irons. Waage Elec. Co., Chicago.
Tripoli Buffing Compositions. Hill & Griffith Co., Cincinnati, O.
Tripoli Flour Buffing Compositions. Amer. Tripoli Co., Seneca, Mo.
Tripoli Water Filters. Advance Mfg. Co., Erie, Pa.
Tripp Metallic Packing. Wm. B. Merrill & Co., Boston, Mass.
Tripure Filtering Plants. Standard Water Systems Co., New York.
Tripure Water Stills. Railroad Water & Coal Handling Co., Chicago; Standard Water Systems Co., Hampton, N. J.
Trisalyt Nickel Salts Roessler & Hasslacher Chem. Co., New York.
Tri-tex Bathing Suits and Sweaters. Tri-Tex Knitting Mills, Chgo.
Triton Atlantic Rubber Covered Wire. Atlantic Insulated Wire & Cable Co., Stamford, Conn.
Triton Bell Cord Couplings. Sterling-Meeker Co., Newark, N. J.
Triton Fishing Reels. A. F. Meisselbach Mfg. Co., Inc., New York.
Triton Hose. B. F. Goodrich Co., Akron, O.
Triton Hot Water Radiators. U. S. Radiator Corp., Detroit, Mich.
Triton Insulated Cable. Atlantic Wire & Cable Co., New York.
Triton Insulated Wire. Atlantic Insulated Wire & Cable Co., Stamford, Conn.
Triton Leather Belting. Norwich Belt Mfg. Co., Norwich, Conn; Syracuse Supply Co., Syracuse, N. Y.
Tritone Automobile Whistles. Sibley & Pitman Electrical Corp., New York.
Tritone Whistles. The Lunkenheimer Co., Cincinnati, O.
Triumph Animal Traps. Triumph Trap Co., Oneida, N. Y.
Triumph Apple Paring Machines. Boutell Mfg. Co., Rochester, N. Y.
Triumph Ash Sifters, Wire Cloth. Success Mfg. Co., Gloucester, Mass.
Triumph Asphalt Roofing. National Roofing Co., Tonawanda, N. Y.
Triumph Auto Stools. Bryan Novelty Mfg. Co., Bryan, Ohio.
Triumph Barn and Roof Paint, Green Dry Color. R. F. Johnston Paint Co., Cincinnati, O.
Triumph Brass Faucets. Crane Co., Chicago.
Triumph Cider Mills. Geo. S. Comstock & Son, Mechanicsburg, Pa.
Triumph Clippers. Coates Clipper Mfg. Co., Worcester, Mass.
Triumph Clothes Wringers. American Ironing Machine Co., Chicago.
Triumph Cork Pullers. Arcade Mfg. Co., Freeport, Ill.
Triumph Crushers, Sorcon, Mill Feeders, Dryers, Etc. C. O. Bartlett & Snow Co., Cleveland, O.
Triumph Daters and Numbering Machines. R. A. Stewart & Co., New York.
Triumph Dough Dividing and Mixing Machines. Triumph Mfg. Co., Cincinnati.
Triumph Electric Elevator Motors. Triumph Electric Co., Cincinnati.
Triumph Electric Light Machinery, Ice Machinery and Power Machinery. Triumph Electric Co., Cincinnati, O.
Triumph Engine Indicators. Trill Indicator Co., Corry, Pa.
Triumph Ensilage Cutters. Lyon Iron Works, Greene, N. Y.
Triumph Exhaust Fans. Indiana Fan Co., Indianapolis, Ind.
Triumph Farm Wagons. Fort Smith Wagon Co., Fort Smith, Ark.
Triumph Feed Cutters. Mountville Mfg. Co., Mountville, Pa.
Triumph Fruit Jar Wrenches. Benj. P. Forbes, Cleveland.
Triumph Fuel Level Indicators. Boston Auto Gage Co., Boston, Mass.
Triumph Gas Engines. Root & Vandervoort Engineering Co., East Moline, Ill.
Triumph Hand Corn Planters. James Mfg. Co., Ft. Atkinson, Wis.
Triumph Harness Snaps. Covert Saddlery Works, Interlaken, N. Y.
Triumph Harrows. Reed Fdry. & Mach. Co., Kalamazoo, Mich.
Triumph Hay Tedders. Thomas Mfg. Co., Springfield, Ohio.
Triumph Heating Stove. B. C. Bibb Stove Co., Baltimore, Md.
Triumph Jr. Brass Faucets. Crane Co., Chicago.
Triumph Lanterns. Defiance Lanterns & Stamping Co., Rochester, N. Y.
Triumph Lawn Sprinklers. Hardware Supply Co., Grand Rapids, Mich.
Triumph Lifts, Pumps. Ohio Pump and Brass Co., Columbus, O.
Triumph Liquid Soap; Soap Powder; Sweeping Compound. Theo. B. Robertson Products Co., Chicago.
Triumph Milk Bottle Holders. Parker Wire Goods Co., Worcester, Mass.
Triumph Oil Separator. The Steam Appliance Co., Milwaukee, Wis.
Triumph Packing. Goetze Gasket & Packing Co., New Brunswick, N. J.
Triumph Paper Hanger Trimmers. A. Allen & Co., Philadelphia.
Triumph Pumping Jacks. The F. E. Myers & Bro., Ashland, O.
Triumph Refrigerators. Challenge Refrigerator Co., Grand Haven, Mich.
Triumph Road Scrapers. American Steel Scraper Co., Sidney, Ohio.
Triumph Sash Operating Device. Payson Mfg. Co., Chicago.
Triumph Saw Sets. Hy. Disston & Sons, Philadelphia.
Triumph Ship and Deck Pumps. Deming Co., Salem, Ohio.
Triumph Spark Plugs. A. R. Mosler & Co., Mt. Vernon, N. Y.
Triumph Steam and Oil Separators. Scott Valve Co., Chicago.
Triumph Sugar Centrifugals. Blymyer Iron Works Co., Cincinnati.
Triumph Tea Filters. Hamblin & Russell Mfg. Co., Worcester, Mass.
Triumph Series Steam Heaters. Craig-Reynolds Foundry Co., Dayton, Ohio.
Triumph Weldless Wire Chains for Automobile Side Chain, Cow Ties, Halter, Key, Dog Lead, Kennel, Transom, Well, also Snaps, Swivels, Rings, etc. Bridgeport Chain Co., Bridgeport, Conn.
Triumphator Calculating Machines. Triumphator Calculating Machine Co., New York.
Triune Electric Lamp Posts. Casey-Hedges Co., Chattanooga, Tenn.
Tri-weld Crane Chain. Cleveland Chain & Mfg. Co., Cleveland, O.
Triweld Steel Loading Chain. The Krein Chain Co., Wapakoneta, O.
Tri-Wheeler Riding Listers. St. Joseph Plow Co., St. Joseph, Mo.
Trix Separators (For Cement Factories). F. L. Smidth & Co., New York.
Troegerlith Floors. Cheney & Co., Inc., New York.
Troetscher Knot Screens. Rice, Barton & Fales, Inc., Worcester, Mass.

Troike Automobile Mufflers. Troike Muffler & Mfg. Co., Loraine, O.
Trojan Automobile Stop Signals. Sweet & Doyle Fdry. & Mach. Co., Green Island, N. Y.
Trojan Belt Dressing. Barnum Bros. Co., Troy, N. Y.
Trojan Box Straps. DeHaven Mfg. Co., Brooklyn, N. Y.
Trojan Castings. Tray Foundry & Machine Co., Inc., Troy, N. Y.
Trojan Cordage and Twine. St. Louis Cordage Mills, St. Louis.
Trojan Files. Troy File Works, Troy, N. Y.
Trojan Fire and Garden Hose. U. S. Rubber Co., New York.
Trojan Glassware. General Electric Co., Schenectady, N. Y.
Trojan Harness Snaps. Covert Mfg. Co., Troy, N. Y.
Trojan Lawn Canopies. Troy Carriage Sun Shade Co., Troy, O.
Trojan Lawn Mowers. F. & N. Lawn Mower Co., Richmond, Ind.
Trojan Leather Belt. W. H. Salisbury & Co., Chicago
Trojan Manila Drilling Cable. St. Louis Cordage Mills, St. Louis, Mo.
Trojan Metallic Packing, Bell Ringers; Grinding Compound. H. G. Hammett, Troy, N. Y.
Trojan Mop Sticks and Holders. Parks & Parks, Troy, N. Y.; Stover Mfg. Co., Freeport, Ill.
Trojan Powder. Trojan Powder Co., Allentown, Pa.
Trojan Power Driven Tire Pumps. Trojan Accessories Co., The, Troy N. Y.
Trojan Pressure Regulators, Valves. Ross Valve Mfg. Co., Troy, N. Y.
Trojan Sight Feed Lubricators. Wm. Powell Co., Cincinnati, O.
Trojan Steam Heaters. Aird-Don Co., Troy, N. Y.
Trojan Sugar Cane Mills. C. S. Bell Co., Hillsboro, O.
Trojan Tire Pumps. Troy Foundry & Mach. Co., Inc., Troy, N. Y.
Trojan Typewriting Paper. Elsinore Paper Co., New York.
Trokal Floor Varnish. Eugene E. Nice Co., Philadelphia, Pa.
Tromblee-Paul Rotary Sulphur Burners. Glens Falls Mach. Wks., Glens Falls, N. Y.
Trombone Extension Clothing Carriers. Knape & Vogt Mfg. Co., Grand Rapids, Mich.
Trombone Shower Bath. Sanitas Mfg. Co., Boston.
Trombull Enclosed Switches. Central Electric Company, Chicago
Trommell Mining Screens. Galena Iron Works Corp., Galena, Ill.
Tropenas Converters. Tropenas Converter Co., Brooklyn, N. Y.
Tropex Lining Paper. H. H. Hopkins Co., Chicago.
Trophy Oil and Grease Cups. D. T. Williams Valve Co., Cincinnati.
Trophy Oil and Grease Cups. D. T. Williams Valve Co., Cincinnati, O.
Tropical Rubber Roofing Paints. Tropical Paint & Oil Co., Cleveland.
Tropical Tires. Firestone Tire & Rubber Co., Akron, O.
Tropolite Paint. Tropical Paint & Oil Co., Cleveland, O.
Troponas Car Builders' Wrenches, Engineers' and Machinists Wrenches. American Brake Shoe & Foundry Co., Mahwah, N. J
Trotman Anchors. Admiral Anchor Co., Philadelphia, Pa.
Trotters Commutator Polish. The James Goldmark Co., New York
"Trouble-Saver" Trestles. The Steel Scaffolding Co., Evansville, Ind
Trout Belting. Shultz Belting Co., St. Louis, Mo.
Trout Power Setworks for Saw Mills. Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Trout Rubber Lined Cotton Hose. Goodyear Rubber Co., San Francisco.
Trout's Steam Feed Valves. Lufkin Foundry & Machine Co., Lufkin, Tex.
Troy Automoblie Wind Shields. Troy Carriage Sunshade Co., Troy, O.
Troy-Best File Handles; File Cards; Hog Scrapers. Troy File Works, Troy, N. Y.
Troy Flint Paper. Manning Abrasive Co., Inc., Troy, N. Y.
Troy Ladies' Pride Sad Irons. Wrightsville Hardware Co., Wrightsville, Pa.
Troy Steam Engines. Troy Engine & Machine Co., Troy, Pa.
Troy Wagons. Troy Wagon Works Co., Troy, O.
Troyer Fox Can Body Making and Soldering Machines and Can Making Machines. Seattle Astoria Iron Wks., Seattle, Wash.
Truckford Truck Units. Robinson Machine Co., Detroit.
Truckmobiles. The Commercial Truckmobile Co., Chicago.
True Baking Enamels. P. A. Mets Paint Co., Buffalo.
True Blue Cultivators. Blount Plow Works, Evansville, Ind.
True Blue Stocks and Dies. J. M. Carpenter Tap & Die Co., Pawtucket, R. I.
True Mitre Boxes. Nicholls Mfg. Co., Ottumwa, Ia.
True Oak Belting. Smyth-Despard Co., Utica, N. Y.
True Semi Steel Castings. Thomas Grate Bar Co., Birmingham, Ala.
Truestyle Steel Ranges. Wisconsin Fdry. & Steel Works, Cedar Grove, Wis.
True Temper Hand Forks, Hoes, Rakes and Hooks. American Fork & Hoe Co., Cleveland.
True's Paint Products. True-Tagg Paint Co., Memphis, Tenn.
Truffault-Hartford Shock Absorbers. Hartford Suspension Co., Jersey City, N. J.
Tru-Fit Rubber Heels. Frank W. Whitcher Co., Boston.
Trukaster Casters. Hamilton Caster & Mfg. Co., The, Hamilton.
Tru-Lite Catches, Knobs, Push-Plates and Glass Shelves. True-Lite Mfg. Co., Bradford, Pa.
Trulite Kerosene and Oils. True's Oil Co., Spokane, Wash.
Trumbull Knife Switches, Light Switchboards. Trumbull Electric Mfg. Co., Plainville, Conn.
Trump Conductors' Ticket Punches. Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
Trump Drill Chucks. Trump Bros. Mach. Co., Wilmington, Del.
Trump Multiple Piston Rings. Trump Mfg. Co., Inc., Crown Point, Ind
Trump Water Wheels. Trump Mfg. Co., Springfield, O.
Trumpet Metal Polish. Borsum Bros., New York.
Trumph Brand Smooth Roofing. The National Roofing Co., Tonawanda, N. Y.
Trundaar Farm Tractors. The Buckeye Mfg. Co., Anderson, Ind.
Trundle Automatic Thread Milling Machine. General Metals Co., Detroit, Mich.
Truscon Enamels and Paints. Truscon Steel Co., Youngstown, O.
Truscon Socket Inserts, Curb Bars and Reinforcing Materials. Truscon Steel Co., Youngstown, O.
Trus-Con Waterproofings, Dampproofings and Technical Paints. The Trus-Con Laboratories, Detroit, Mich.
Trusform Adjustable, Limit Snap Gauges. Pratt & Whitney Co., Hartford, Conn.
Trussell Loose Leaf Books. Trussell Mfg. Co., Poughkeepsie, N. Y.
Trusty Gasoline Strainers. The Lunkenheimer Co., Cincinnati, O.
Trusty Screwdrivers. Bridgeport Hdwe. Mfg. Corp., Bridgeport, Conn.
Trutest Lubricating Oils. True's Oil Co., Spokane, Wash.
Truxo Auto Soap. J. Eavenson & Sons, Camden, N. J.
Truxton Motor Trucks. Commercial Car Unit Co., Philadelphia, Pa.
Try Me Ball Cocks, Pressure Regulators and Cesspool Strainers. Try Me Mfg. Co., Westfield, Mass.
Tryon Baseballs, Baseball Gloves. Edw. K. Tryon Co., Philadelphia.
Tsungani Aluminum Alloy Pistons. Tsungani Piston Co., Tacoma, Wash.
Turac Steel Disc. Motor Wheel Corp., Lansing, Mich.
Tubal Bronze. Paul S. Reeves & Son, Philadelphia, Pa.
Tube Tilt Tables. Campbell Electric Co., Lynn, Mass.
Tubular Potato Planters. Potato Implement Co., Traverse City, Mich.
Tubular Shower Bath. Sanitas Mfg. Co., Boston.
Tuckahoe Rubber Hose. Consolidated Rubber Co., Trenton, N. J.
Tuckahoe Toggles. U. S. Expansion Bolt Co., New York.
Tuckahoe Toggle Bolts. Rubly Co., Inc., New York.
Tuck Packing. Schultz Patent Rubber Co., Philadelphia.
Tucker Alarm Tills, Factory Trucks, Dollies, Etc. Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
Tucker Grease Traps. J. L. Mott Iron Works, Trenton, N. J.
Tucker Inner Locking Spoke Tightener. Tucker Bros. Mfg. Co., Sacramento.
Tucker Oil Hole Covers and Cups. W. W. & C. F. Tucker, Hartford, Conn.
Tucker's Pat Cash or Money Drawers, Furniture Casters. Tucker & Dorsey Mfg. Co., Indianapolis.
Tucks Packing. New York Belting & Packing Co., New York; Crandall Packing Co., Palmyra, N. Y.
Tuck's Piston Packing. American Steam Packing Co., Boston, Mass.; Combination Rubber Mfg. Co., Bloomfield, N. J.; N. Y. Rubber Co., New York.
Tuck's Tobacco Counter Cutters. Wm. Schollhorn Co., New Haven, Conn.
Tuco Brown Weather Strips; Eclipse Deck Sash Ratchets; Flexolith Composition Flooring Materials; Imperial Car Window Screens; Imperial Sash Balance; K-1 Trap Door Kicker Locks; Metallic Steel Sheathing; National Standard Roofing; National Standard Steel Trap Doors; Perfection Sash Balances; Reliance Sash Balances; Resisto Quilt Hairfelt Insulation; Rockwul Jacket Insulation; Royal Adjustable Car Window Screens; Tuco Preservative; Tucork Mineral Insulation; Universal Car Window Screens; Universal Steel Trap Doors. Tuco Products Corp., New York.
Tudor Steam Boilers. Tudor Boiler Mfg. Co., Cincinnati, O.
Tudor Tanks. The Tudor Boiler Mfg. Co., Cincinnati, O.
Tudor Water Closets. Jas. Barrett Mfg. Co., Boston.
Tuebor Fire Hose. N. J. Car Spring & Rubber Co., Jersey City, N. J.
Tuec Stationery Vacuum Cleaner. United Electric Co., Canton, O.
Tuerk Exhaust Fans, Water Motors. Hunter Fan & Motor Co., Fulton, N. Y.
Tufcote Varnish Stain. E. I. du Pont de Nemours & Co., Inc., Explosives and Smokeless Powder Depts., Wilmington, Del.; Chicago. Varnish Works, Chicago.
Tufhorse Gloves. Des Moines Glove & Mfg. Co., Des Moines, Ia.
Tuf-Tan Leather Belting. Bradford Belting Co., New York.
Tuftex Brake Band Lining and Automobile Belting. Rochester Woven Belting Corp., East Rochester, N. Y.
Tuf-Tex Burlaps. Lehon Co., Chicago.
Tuftex Rope Paper. Mitchell-Rand Mfg. Co., New York.
Tuf Valve Discs. John S. Bushnell & Co., New York.
Tulc Lubricant. The Universal Lubricating Co., Cleveland, O.
Tulip Drinking Cups. Harriet Hill, New York.
Tulip Fruit Jar Rubbers. Empire Tire & Rubber Corp., Trenton, N. J.
Tulle Lubricating Oils and Greases. Universal Lubricating Co., Cleveland.
Tuller Lavatories. Crane Co., Chicago.
Tumbler Egg and Cream Beaters. Taplin Mfg. Co., New Britain, Conn.
Tung Lok Silos. Union Lumber Co., Union Mills, Wash.
Tungar Rectifiers. General Electric Co., Schenectady, N. Y.
Tungard Harness Buckles. North & Judd Mfg. Co., New Britain, Conn.
Tungsten Spark Plugs. Tungsten Mfg. Co., Marshalltown, Ia.
Tungsweld Machine Knives. Simonds Saw and Steel Co., Fitchburg, Mass.
Tunis Lavatories and Fittings. James Barrett Mfg. Co., Boston.
Tupper Flax Packing. F. W. Tupper, New York.
Tupper Grate Bars. Daugherty Foundry Co., Allentown, Pa.; Edw. Sellers, Lewisburg, Pa.; Valley Iron Works, Williamsport, Pa.
Tupper Shaking Grates. Chas. Robson & Co., Philadelphia.
Tupper's Square Flax Packing. Seehansen, Wehrs & Co., Chicago.
Turbinair Coal Cutters; Hoists. Sullivan Machinery Co., Chicago.
Turbine Egg and Cream Beaters. Cassady Fairbank Mfg. Co., Chgo.
Turbine Lawn Sprinklers. W. D. Allen Mfg. Co., Chicago.
Turbine Leather Belting. S. R. Sikes Co., Minneapolis, Minn.
Turbine Sewer Machine. Turbine Sewer Machine Renovating Co., Milwaukee, Wis.
Turbo Air Washers. Bayley Manufacturing Co., Milwaukee, Wis.
Turbo Auto Washers. Armstrong Machine Works, Three Rivers, Mich.
Turbo-Generators; Turbo-Pumps; Turbo-Blowers. Moore Steam Turbine Corp., Wellsville, N. Y.
Turboglio Greases and Lubricants. Crew, Levick Co., Philadelphia, Pa.
Turbo Humidifier Apparatus. G. M. Parks Co., Fitchburg, Mass.
Turbodrive Small Turbine Pumps. Kerr Turbine Co., Wellsville, N. Y.
Turbogen Small Turbine Generators. Kerr Turbine Co., Wellsville, N. Y.
Turboil Lubricating Oils. Scrymser Co., New York.
Turbovane Centrifugal Fans. B. F. Sturtevant Co., Boston, Mass.
Turkey Barn and Roof Paint. R. F. Johnston Paint Co., Cincinnati, O.
Turko Gas Engines, Grinders, Mixers. Turnbull Mfg. Co., Wilmington, O.
Tur-Min-Tine Turpentine Substitutes. Waverly Oil Works, Pittsburgh, Pa.
Turn Brand Pruning Shears. Graef & Schmidt, Chambers, N. Y.
Turnbull Wagons. Turnbull Motor Truck & Wagon Co., Defiance, O.
Turnbull's Spring Counter Scales. Landers, Frary & Clark, New Britain, Conn.
Turner Baffle Wall. The Engineer Company, New York.
Turner Drag Line Ditching Machines. United Iron Wks., Inc., Kansas City, Mo.
Turner Drawer Slides. Grant Pulley & Hardware Co., New York.
Turner Elevators. Kansas City Elevator Mfg. Co., Kansas City, Mo.
Turner Leather Belt Machines, Presses, Etc. Turner Tanning Mach'y Co., Peabody, Mass.
Turner Low Water Alarms, Safety Water Columns. Binghamton Machine Works, Binghamton, N. Y.
Turner Oil Filters, Lubricating Oil Storage Tanks. Turner Oil Filter Co., Niles, Mich.
Turner Oil Filters. Chicago Engineer Supply Co., Chicago.
Turner Oiling System Tanks, Filters. Turner Filter Co., Niles, Mich.
Turner Roller Covering Machines. J. S. Turner Mfg. Co., Lowell, Mass.
Turner Shock Absorbers, Tire Air Pumps. Turner Brass Works, Sycamore, Ill.
Turner Simplicity Farm Tractors. Turner Mfg. Co., The, Port Washington, Wis.
Turner Turrett Drilling and Tapping Machines. Turner Machine Co., Danbury, Conn.
Turnerised Roofing. Turnerised Roofing Co., New Orleans, La.
Turnlow Gas Soldering Furnaces. Chicago Hardware Foundry Co., N. Chicago, Ill.

Turnmore Adjustable Wrenches. Anderson Wrench Co., Portland, Conn.
Turney Radio Parts. Eugene T. Turney Laboratories, Newark, N. J.
Turpoline Paint Thinner. World Refining Co., Easton, Pa.
Turpsene Turpentine Substitute. Turpsene Mfg. Co., Philadelphia.
Turpyne Wood Turpentine. Georgia Pine Turpentine Co. of N. Y., New York.
Turquoise Kitchen Enameled Ware. Columbian Enameling & Stamping Co., Terre Haute, Ind.
Turquois Pencils. Eagle Pencil Company, New York.
Turret Lathes. Steinle Turret Machine Co., Madison, Wis.
Turtle Belt Fasteners. Flexible Steel Lacing Co., Chicago.
Turtle Brand Roofing Pitch and Felt. Samuel Cabot, Inc., Boston.
Turtle Leather Belting. Edw. R. Ladew Co., Glen Cove, N. Y.
Turtle Match Safes. Nicol & Co., Chicago.
Turxo Valve Packing. New York Belting & Packing Co., New York.
Turz-Lite Gasoline Arc Lamps, Sad Irons. Tures Mfg. Co., Milwaukee.
Tuscaloosa Pig Iron. Central Iron & Coal Co., New York.
Tuscan Cotton Softeners. Harding & Fancourt, Philadelphia.
Tuscano Tiles. American Encaustic Tiling Co., New York.
Tusco Chrome Nickel Steels. United Alloy Steel Corp., Canton, O.
Tuscora Kitchen Enameled Ware. Belmont Stamping & Enameling Co., New Philadelphia, O.
Tuska Superdyne Radio Receivers. The C. D. Tuska Co., Hartford, Conn.
Tuthill Lubricated Titanic Springs. Tuthill Spring Co., Chicago.
Tuthill Water Wheels. United Iron Works, Oakland, Cal.
Tu-Ton Dolly Trucks. Hamilton Caster & Mfg. Co., The, Hamilton, Ohio.
Tuttle Tapping Machine. Paragon Gear Works, Taunton, Mass.
Tutweiler Gas Analysis Apparatus. Eimer & Amend, New York.
Tuway Dash Lamp and Plug Socket. Motor Specialties Co., Waltham, Mass.
Tu-Way Radio Plug (Registered). Carter Radio Co., Chicago.
Tuxedo Card Tables. E. T. Burrowes Co., Portland, Me.
Tuxedo Electric Lamp Hoods. National Metal Stamping & Mfg. Co., Newark, N. J.
Tuxedo Lavatories. Trenton Potteries Co., Trenton, N. J.
Tuxedo Lawn Mowers. Chadborn & Coldwell Co., Newburgh, N. Y.
Tuxedo Lawn Sprinklers. W. D. Allen Mfg. Co., Chicago.
Tuxedo Safety Smoking Sets. Lyons Mfg. Co., New Haven, Conn.
Tuxedo Swing Joints and Unions. Williams-Franklin, Inc., New York.
Tuxedo Unions. Franklin Williams, Inc., New York.
Tuyere Grate Bars. Gordon Hollow Blast Grates Co., Greenville, Mich.
Twelve Electric Vacuum Cleaners. Hurley Machine Co., Cicero, Chicago, Ill.
12-In-1 Combination Tools. Harrah Mfg. Co., Bloomfield, Ind.
Twelve Mule Team Gasoline Engines. Associated Mfrs. Co., Waterloo, Ia.
1234 Rubber Pump Valves. Quaker City Rubber Co., Philadelphia.
12 Test Paints, Varnish and Enamels. California Paint Co., Oakland, Cal.
20th Century Balancing and Drilling Machine. Rockford Tool Co. Rockford, Ill.
20th Century Barn Door Hangers. Hunt, Helm, Ferris & Co., Harvard, Ill.
20th Century Bath Tub Seats. U. S. Sanitary Mfg. Co., Pittsburgh.
20th Century Bed Casters. Keystone Friction Hinge Co., Williamsport, Pa.
XXth Century Bottle Coolers. Cordley & Hayes, New York.
20th Century Cabin Car Stove. Jas. Spear Stove and Heating Co. Philadelphia, Pa.
20th Century Can and Bag Carriers. Wirt & Knox Mfg. Co., Phila.
20th Century Can Openers. Knickerbocker Mfg. Co., Belleville, N. J.
20th Century Children's Vehicles. Kirk-Latty Mfg. Co., Cleveland.
20th Century Collar Shaving Machines. Wm. A. Zeidler Co., New York
20th Century Concrete Mixers, Elevators and Buggies, Road Machy. and Steam Rollers. Norris K. Davis, San Francisco.
20th Century Concrete Mixers. Twentieth Century Mixer Co., Connorsville, Ind.
Twentieth Century Drill Chucks. Standard Machinery Co., Mystic, Conn.
20th Century Drinking Fountains. M. & H. Foundry & Mfg. Co., Belleville, Ill.
20th Century Fruit Evaporators. Munnsville Plow Co., Munnsville, N. Y.
20th Century Fuel Gas Apparatus. C. M. Kemp Mfg. Co., Baltimore, Md.
20th Century Gas Engines. New York Yacht, Launch & Engine Co., Morris Heights, New York.
20th Century Graders. Baker Mfg. Co., Springfield, Ill.
Twentieth Century Hand Rakes. Anna K. Gilson, Quechee, Vt.
20th Century Hinge Mfrs. Keystone Friction Hinge Co., Williamsport, Pa.
20th Century Hose Mounting and Dismounting Device. Eureka Fire Hose Mfg. Co., New York.
20th Century Ice Skates, Roller Skates. Kohler Die & Specialty Co., De Kalb, Ill.
Twentieth Century Indicators. Richard Thompson & Co., New York.
20th Century Insect Wire Screens. Watson Mfg. Co., Jamestown, N. Y.
Twentieth Century Jacks. Joyce-Cridland Co., Dayton, O.
Twentieth Century Lawn Sprinkler. W. D. Allen Mfg. Co., Chicago.
20th Century Lunch Boxes. Reading Saddle & Mfg. Co., Reading, Pa.
20th Century Milk Can Washing Machines. Oakes & Burger Co., Cattaragus, N. Y.
20th Century Nut Crackers. Gray Iron Foundry Co., Reading, Pa.
20th Century Packing. American Steam Packing Co., Boston; Martell Packing Co., Elyria, O.
Twentieth Century Pipe Vises. Prentiss Vise Co., New York.
20th Century Piston Rings. Clark Tool Works, Belmont, N. Y.
Twentieth Century Rocking Grates. Twin Fire Furnace Co., Chicago.
20th Century Rug Exhibitors. Consolidated Carpet Sewing Machine Co., Bridgeport, Conn.
Twentieth Century Shafts. Pioneer Pole and Shaft Co., Piqua, O.
Twentieth Century Soap Chips; Mopping Powder; Detergent; Soda; Insecticide; Furniture Polish; Floor Dressing; Etc. Theo. B. Robertson Products Co., Chicago.
Twentieth Century Spark Timers. Powell Muffler Co., Utica, N. Y.
20th Century Steel Belt Lacing and Studs. Mfrs.' Belt Hook Co., Chicago.
20th Century Store Stools. Bryan Novelty Mfg. Co., Bryan, Ohio.
Twentieth Century Tank Heaters. Butler Co., Butler, Ind.
20th Century Tire Protectors. 20th Century Tire Protector Co., Midlothian, Tex.
20th Century Windmill Pumps. Humphryes Mfg. Co., Mansfield, Ohio.
20th Century Tangye Ice and Refrigerating Machines. Triumph Ice Machine Co., Cincinnati.
23 Polish. Mutual Auto Accessories Co., of America, New York.
23-Skiddoo Varnish Remover. Keystone Varnish Co., Brooklyn, N. Y.
2301 Graphite. Acheson Graphite Co., Niagara Falls, N. Y.
22 Hi-Power Ammunition. Savage Arms Co., New York.
26 Karat Cordage and Twine. American Mills Co., Atlanta, Ga.
Twin "B" Batteries. Twin Dry Cell Battery Co., Cleveland.
Twin Boy Rotary Dumps. Anniston Electric Steel Corp., Dept. H., Anniston, Ala.
Twin Brand Ink Erasers. Graef & Schmidt, New York.
Twin City Gas Engines. Minneapolis Steel & Machy. Co., Minneapolis.
Twin City Tractors, Trucks and Threshers. Minneapolis Steel & Machinery Co., Minneapolis, Minn.
Twin Cultivators. J. I. Case Plow Works, Racine, Wis.
Twin Disc Floor Surfacer. M. L. Schlueter, Chicago.
Twin Fire Furnaces. Twin Fire Furnace Co., Chicago.
Twin Fire Spark Plug. Twin Fire Plug Co., Detroit, Mich.
Twin Giant Hot Air Gas Furnaces. Payne Furnace & Supply Co., Los Angeles.
Twin Grip Paper Fasteners. De Long Hook & Eye Co., Philadelphia.
Twin Jacks. Weaver Mfg. Co., Springfield, Ill.
Twin R Research Apparatus. Am. Radio & Research Corp., Medford Hillside, Mass.
Twin Receptacles. General Electric Co., Schenectady, N. Y.
Twin Safety Valves. Lunkenheimer Co., Cincinnati.
Twin-Six Electric Batteries. Burgess Battery Co., Madison, Wis.
Twin Terminal Rail Bonds. American Steel & Wire Co., Chicago.
Twin Vacuum Cleaners. Muenzen Specialty Co., Inc., New York.
Twin Wall Ties. Hunt Metal Corner Co., Westboro, Mass.
Twin Water Filter and Grease Extractor. Elliott Co., Pittsburgh, Pa.
Twink Dye Flake Soaps. Lever Bros. Co., Cambridge, Mass.
Twinko Pyrometers. Thwing Instrument Co., Philadelphia, Pa.
Twinline Roller Bearings for Factory Power Transmission, Machines, Etc. Makutchan Roller Bearing Co., Joliet, Ill.
Twinplex Safety Razor Stroppers. Twinplex Sales Co., St. Louis.
Twin R Research Apparatus. Am. Radio & Research Corp., New York.
Twinro Roller Bearings for Automobiles, Tractors, Machines, Etc. Makutchan Roller Bearing Co., Joliet, Ill.
Twinrold Box Strapping. The Stanley Works, New Britain, Conn.
Twin-Tact Spark Plugs. Superior Motor Power Co., New York.
Twintile Motor Cloth. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Twintree Shoe Tree Hanger. Twintree Corp., New York.
Twinvolute Centrifugal Pumps. The John H. McGowan Co., Cincinnati.
Twinvolute Pumps. Twinvolute Pump & Mfg. Co., New York.
Twisted Concrete Reinforced Materials. Chicago Builders' Specialties Co., Chicago.
Twitchell Tire Pressure Gauge. The Twitchell Gauge Co., Chicago.
200 Forge Blowers. Champion Blower and Forge Co., Lancaster, Pa.
Two-in-One Auger Pump. Wolverine Brass Works, Grand Rapids, Mich.
Two-In-One Combination, Letter and Parcel Mailing Device. Bemis Bro. Bag Co., St. Louis.
2-in-1 Double Spindle Lathes. J. J. McCabe, New York.
2 In 1 Engine Lathes. J. J. McCabe Lathe & Machy. Corp., New York.
Two-in-One Envelope Bags. Bemis Bag Co., St. Louis, Mo.
2 In 1 Hose Rack. Chas. Nuhring & Bros., Cincinnati, O.
2 In 1 Polish. F. F. Dalley Co., Buffalo, N. Y.
Two-in-One Spark Plug. Jubilee Mfg. Co., Omaha, Neb.
Twoplex Demijohns. Fred C. White, New York.
2-Plex Insulation Tape. H. I. Diamond Holfast Sales Co., Atlanta.
Two Row Cell Drop Cotton Planters. J. I. Case Plow Wks., Racine, Wis.
Two Star Radiator Compounds. P. & R. Auto Specialty Mfg. Co., Brooklyn.
Two Way Sulky Plows. J. I. Case Plow Wks., Racine, Wis.
Two-Way Plugs. Benjamin Elec. Mfg. Co., Chicago.
Two-Way Wire Connectors. Frank Ridlon Co., Boston.
Twyncone Friction Clutch. Link-Belt Co., Chicago, Indianapolis, Philadelphia; H. W. Caldwell & Son, Chicago.
Ty Cobb Sporting and Athletic Goods. W. B. Jarvis Co., Grand Rapids, Mich.
Tycos Instruments. Taylor Instrument Co., Rochester, N. Y.
Tyden Car Seal. International Seal & Lock Co., Hastings, Mich.
Tyden Self-Locking Car Seal. International Seal & Lock Co., Chicago.
Tydol Gasoline. Tide Water Oil Co., New York.
Tyfcote Stains and Varnishes. E. I. du Pont de Nemours & Co., Inc., Paint & Varnish Section, Wilmington, Del.
Tyler Steam Traps. Tyler Underground Heating System, Pittsburgh.
Tyler Tubes. Tyler Tube & Pipe Co., Washington, Pa.
Tyler Wrought Steel Window Frame. W. S. Tyler Co., Cleveland.
Tyler's Calf Weaners. Wm. E. Pratt Mfg. Co., Chicago.
Tyler's Charcoal Iron Boiler Tubes. Chicago Tube & Iron Co., Chicago.
Tylike Felt Shingles. Barrett Co., New York.
Type "D" Chrome Vanadium Spring Steel. United Alloy Steel Corp., Canton, O.
Type C-O Marine Oil Engines. Fairbanks-Morse & Co., Chicago.
Type D Mechanical Stokers. Combustion Engng. Corp., New York.
Type "E" Auto Knife Grinder. Wayne Machinery Co., Ft. Wayne, Ind.
Type E Stokers. Schumaker-Santry Co., Boston, Mass.
Type K Mechanical Stokers. Combustion Engng. Corp., New York.
Type "L" Owen Excavating Buckets. The Owen Bucket Co., Cleve., O.
Type Y Oil Engines. Fairbanks-Morse & Co., Chicago.
Typhon Clothes Washing Machines. Richmond Cedar Works, Richmond, Va.
Typhoon Blowers. L. J. Wing Mfg. Co., New York.
Typhoon Double-Acting Pumps. Fairbanks, Morse & Co., Chicago.
Typhoon Rotary Pumps. Barnes & Fisher Mfg. Co., Seattle.
Typhoon Ventilating Fans. Typhoon Fan Co., New York.
Tyrian Automobile Horn Bulbs, Inner Automobile Tubes, Rubber-Headed Tacks, Rubber Blankets, Blowers, Bed Pans, Syringes, Bottles, Tobacco Pouches and Bath Sprays. Tyer Rubber Co., Andover, Mass.
Tyrolean Electric Bells. Elec. Goods Mfg. Co., Canton, Mass.
Tyrone Automobile Sand Drums. Roberts & Schaefer Co., Chicago.
Tyrone Drinking Fountains. Crane Co., Chicago.
Tyscru Concrete Form Tie. American Tyscru Co., New York
Tyte-Unyte Pipe Joint Cements. J. C. Whitlam Mfg. Co., Wadsworth, Ohio.

U

U-Dent Shaker Screen Plates. Remaly Mfg. Co., Inc., Tamaqua, Pa.
U-Do-It Graining Compound. R. F. Johnston Paint Co., Cincinnati, O.
U Leather Packing. Providence Belting Co., Providence, R. I.
U Oils. Utah Oil Refining Co., Salt Lake City, Utah.
U Packing. Wolverine Leather Goods Co., Detroit, Mich.
U. C. All-Wood Water Coolers. Union Cooperage Co., St. Louis, Mo.

U. F. Co. Cast Iron Soil Pipes. Union Foundry Co., Fitchburg, Mass.
U-P-P Packing. Universal Flexible Packing Co., Pittsburgh, Pa.
U. M. Clothes Washing Machines. Coffield Motor Washer Co., Dayton, O.
U. M. C. Ammunition. Remington Arms Co., Inc., New York.
U-Fin Generator Air Coolers, Air Preheaters. Griscom Russell Co., New York.
U-Kan-Plate Silver Polish. A. R. Justice Co., Philadelphia.
U-Loy Steels. United Alloy-Steel Corp., Canton, O.
U-M Belt Conveyors; Coal Handling Machinery. Underwood Machinery Co., South Boston, Mass.
U-Need-Me Office Equipment. Fox & Company, Geo. E., Chicago.
U-Nettes Filing Cabinets. General Fireproofing Co., Youngstown, O.
U-NO Shoe Blacking and Polishes. Everett & Baron Co., Providence, R. I.
U N X L D Galvanized Laundry Tub Covers. Greason Mfg. Co., New York.
U. P. C. Petroleum Products. Union Petroleum Co., Philadelphia, Pa.
U. P. M. Vacuum Bronzer. United Printing Machinery Co., Boston, Mass.
U-Plex Piston Rings. Krasberg Piston Ring Works, Chicago.
U-Re-Lite Circuit Breaker and Switch. The Cutter Co., Philadelphia, Pa.
U. S. A. Babbitt Metals. United Smelting & Aluminum Co., Inc., New Haven, Conn.
U. S. A. Co. Asbestos Packing. U. S. Asbestos Co., Lancaster, Pa.
U. S. A. Elm City Babbitt Metal. United Smelting & Aluminum Co., Inc., New Haven, Conn.
U. S. A. Felt, Buffing and Polishing Wheels. Eastern Felt Co., Winchester, Mass.
U. S. A. Havabar Babbitt Metal. United Smelting & Aluminum Co., Inc., New Haven, Conn.
U. S. A. Lodestar Babbitt Metal. United Smelting & Aluminum Co., Inc., New Haven, Conn.
U. S. A. Long Life Babbitt Metal. United Smelting & Aluminum Co., Inc., New Haven, Conn.
U. S. A. Motor Oil. Richardson Lubricating Co., Quincy, Ill.
U. S. A. Sliding Furniture Shoes. Henry W. Peabody & Co., N. York.
U. S. A. Special Babbitt Metal. United Smelting & Aluminum Co., New Haven, Conn.
U. S. E. Anchors, Bolts, Drills, etc. U. S. Expansion Bolt Co., New York.
U. S. E. Auto Bumpers. U. S. E. Corp., New York.
U-See-It Indicating Fuse Plugs. A. L. Lewis Co., Canton, O.
U. S. G. Co.'s Graphite Lubricants. The United States Graphite Co., Saginaw, Mich.
U. S. G. Motor and Generator Brushes. The United States Graphite Co., Saginaw, Mich.
USL Arc Welders, Railway Car Lighting Axle Lighting Equipments, Storage Batteries for Automobiles, Farm Lighting, Train Lighting, Signals, Radio, etc. U. S. Light & Heat Corp., Niagara Falls, N. Y.
U. S. L. Car Lighting Apparatus, Storage Batteries. United States Light & Heat Corp., Niagara Falls, N. Y.
U. S. M. C. Shoe Knife Sharpeners, Thread Lubricators, Leather Embossing and Buttonhole Making Machines. United Shoe Machinery Co., Boston.
U. S. N. Paints, Varnishes, Tints, Etc. Billings-Chapin Co., Cleveland, O.
U. S. S. Co. Weed Killer, Sodium Arsenite. U. S. Smelting Co., Midvale, Utah.
U. S. S. Co. White Arsenic, Pig Lead, Cadmium, Etc. U. S. Smelting, Refining & Mining Co., New York.
U. S. 48-10 Air Hose. U. S. Rubber Co., New York.
U. T. D. Cutter, Drill and Reamer Cases, Drill Gauges, Etc. Union Twist Drill Co., Athol, Mass.
U-Vee Mufflers. International Steel Products Co., Hartford, Wis.
U-W Manila Rope. The Upson-Walton Co., Cleveland.
U-W Perfection Wire Rope. The Upson-Walton Co., Cleveland.
U-W Turnbuckles. The Upson-Walton Co., Cleveland.
U. W. M. Co. Corporation, Curb and Waste Cocks. Union Water Meter Co., Worcester, Mass.
U. & G. Belting. United & Globe Rubber Co., Trenton, N. J.
U. & G. Fire Hose. United & Globe Rubber Co., Trenton, N. J.
U-AU-TO Axle Grease and Linseed Oil Soap. Sinclair Refining Co., Albany, N. Y.
Uarco Business Systems. United Auto Register Co., Chicago.
Ubbink Curb Forms. Joe Ubbink, Port Washington, Wis.
Udell Ironing Boards. Udell Works, Indianapolis, Ind.
Uehling Recording Instruments, General Power Plant Economy Apparatus. Uehling Instrument Co., Paterson, N. J.
Uemco Elec. Controllers, Motor Starts and Rheostats. Union Electric Mfg. Co., Milwaukee, Wis.
Ugite Concrete Resurfacing. The United Gas Improvement Co., Phila., Pa.
Uhl Steel Furniture. Toledo Metal Furniture Co., Toledo, O.
U-Kut-Em Index Tabs. Universal Index Tab Co., Seattle, Wash.
Uleo Belting Cement. Ulmer Leather Co., Norwich, Conn.
Uleo Lead Wool. United Lead Co., New York.
Ulcotan Leather Belting. Ulmer Leather Co., Norwich, Conn.
Ulery Tool Kits. U. J. Ulery Co., New York.
Ulmer Levels and Transits. J. C. Ulmer Co., Cleveland.
Ulmer's Waterproof Cement. Ulmer Leather Co., Norwich, Conn.
Ulrich Adjustable Shadowless Tables. Wausau Fixture Co., Wausau, Wis.
Ulrich Flexible Desk Trays. Ulrich Planfiling Co., Jamestown, N. Y.
Ulster Brand Pocket Cutlery. Dwight Divine & Sons, Ellenville, N. Y.
Ulster Chair Seats. Blair Veneer Co., North Troy, N. Y.
Ulster Engine Bolt Iron; Special Staybolt Iron. Ulster Iron Works, Dover, N. J.
Ultex Lenses. Bausch & Lomb Optical Co., Rochester, N. Y.
Ultimate Motor Trucks. Vreeland Motor Co., Newark, N. J.
Ultissimus Electro Steel Co., Inc., Pittsburgh, Pa.
Ultra Blac Automobile Varnish. Atlantic Varnish Works., Inc., Richmond, Va.
Ultra Capital Steel. Edgar T. Ward's Sons, Boston, Mass.
Ultra Ice Cream Cans. Solar-Sturges Mfg. Co., Chicago.
Ultra Tire Air Pumps. Stevens & Co., New York.
Ultra Violet Ray Laboratory Equipment and Water Sterilizers. The R. U. V. Company, Inc., New York.
Ultra Weld Ice Cream Cans. Solar-Sturges Mfg. Co., Chicago.
Ulysses Fire Hose. U. S. Rubber Co., New York.
Uma Alloy and Carbon Steel, Etc. Central Steel Co., Massillon, O.
Umakem Toy Outfits. W. R. Price, Inc., New York.
Umbrascope—Smoke Tester. Williams, Brown & Earle, Inc., Phila., Pa.
Umbrella Clothes Bars. Martcross Co., Chicago.
Umeco Asbestos Sheet Packing. Union Water Meter Co., Worcester, Mass.
Umeval Rubber Sheet Packing. Union Water Meter Co., Worcester, Mass.
Uminco Fire Brick. Union Mining Co., Baltimore, Md.
Umpire Sheet Steel Wall Ties. Church Appliance Mfg. Co., LaSalle, Ill.
Una-Flow Steam Engines. Stumpf Una-Flow Eng. Co., Syracuse, N. Y.
Unarco Pipe Covering and Boiler Lagging. Union Asbestos & Rubber Co., Chicago.
Unbrake Hollow Set Screws. Standard Pressed Steel Co., Jenkintown, Pa.
Uncas Belting. The Ulmer Leather Co., Norwich, Conn.
Uncle Sam Boys' Axes. Romer Axe Co., Dunkirk, N. Y.
Uncle Sam Cultivators. Grand Detour Plow Co., Dixon, Ill.
Uncle Sam Farm Tractors. U. S. Tractor & Machy. Co., Menasha, Wis.
Uncle Sam Flax Packing. Quaker City Rubber Co., Philadelphia, Pa.
Uncle Sam Grass Sheap Sears. Geo. E. Gay, Augusta, Me.
Uncle Sam Motor Boat. Disappearing Propeller Boat Corp. of New York, North Tonawanda, N. Y.
Uncle Sam Picture Books. Forsyth Metal Goods Co., East Aurora, N. Y.
Uncle Sam Plane Boiler Grates. Morrisville Fdry. Co., Morrisville, Vt.
Uncle Sam Riveting Machines. A. C. Williams Co., Ravenna, O.
Uncle Sam Spring Tooth Attachments. B. F. Avery & Sons, Louisville, Ky.
Uncle Sam Stove Pipe Dampers. Sayre Stamping Co., Sayre, Pa.
Uncle Sam Tools. Vaughan & Bushnell Mfg. Co., Chicago, Ill.
Uncle Sam's Hand Power and Portable Punches. Whitney Metal Tool Co., Rockford, Ill.
Uncle Sam's Portable Punches. Whitney Metal Tool Co., Rockford, Ill.
Uncle Sam's Wax Oil Polish. Samoline Corp., Inc., Chicago.
Undark Luminous Materials. United States Radium Corp., New York.
Undark Luminous Pendants and Inserts. Bryant Electric Co., Bridgeport, Conn.
Undark Radium Luminous Material. Radium Luminous Material Corp., New York.
Undercut Paper Trimmers. Smith & Winchester Mfg. Co., So. Windham, Conn.
Under-Frame Electric Car Lighting. Safety Car Heating & Lighting Co., New York.
Underhill Axes. American Axe & Tool Co., Glassport, Pa.
Underwood Bath Tubs. Sanitas Mfg. Co., Boston.
Underwood Copying Ink. John Underwood & Co., New York.
Underwood Cotton-Leather Belting. Wm. Sumner Belting Co., Tolland, Conn.
Underwood Maptacks and Push Pins. Graff-Underwood Co., Boston, Mass.
Underwood Rail Drills. Handlan-Buck Mfg. Co., St. Louis, Mo.
Underwriters Fire Door Hangers. Stowell Co., Milwaukee, Wis.
Underwriters Fire Extinguishers. A. C. Rowe & Sons, New York. Knight & Thomas, Boston, Mass.
Underwriters Fire Hose. Boston Woven Hose & Rubber Co., Cambridge, Mass.; Hewitt Rubber Co., Buffalo, N. Y.
Underwriters' Iron Body Valves. The Kelly & Jones Co., Greensburg, Pa.
Underwriters' Mill Lanterns. R. E. Dietz Co., New York.
Underwriters' Security Gasoline Hose. U. S. Rubber Co., New York.
Undine Electric Lamp Posts. Casey-Hedges Co., Chattanooga, Tenn.
Uneed-a Bar Belt Dressings, Boiler Compounds. Stephenson Mfg. Co., Albany, N. Y.
Uneeda Corn Brooms. Universal Broom Co., Chattanooga, Tenn.
Uneeda Hand Power Washing Machines. Boss Washing Machine Co., Cincinnati, O.
Uneeda Ranges. Huenefeld Co., Cincinnati, O.
Uneedit Gas Sad Irons. Rosenbaum Mfg. Co., New York.
Unettes Filing Cabinets. General Fireproofing Co., Youngstown, O.
Unequaled Oak Flooring. T. Wilce Co., Chicago.
Unguentine Ointment. Norwich Pharmacal Co., Norwich, Conn.
Uniblade Pulley Driven and Motor Driven Blowers. Autovent Fan & Blower Co., Chicago.
Unicast Ware. Universal Sanitary Mfg. Co., New Castle, Pa.
Unico Bulletin Boards. United Cork Companies, Lyndhurst, N. J.
Unico Copy Sheets; Paper Towels; Star Kraft. Union Paper & Twine Co., Cleveland, O.
Unicoat Flat Wall Paint. Rinald Bros., Phila., Pa.
Unicorn Tires. The Diamond Rubber Co., Inc., Akron, O.
Unicum Chair Seats. Theo H. Gary Co., New York.
Unidrain Rubber Gaskets. Revere Rubber Co., Boston, Mass.
Unidyne Radio Sets. Umted Mfg. and Distributing Co., Chicago.
Unific Gauge Glasses. H. A. Rogers Co., New York.
Uniflex Flexible Couplings. Thompson Bros., Philadelphia.
Uniflow Boilers. The Uniflow Boiler, Inc., Philadelphia, Pa.
Uniflow Deep Well Pumps. Twin City Pump Co., Inc., Minneapolis, Minn.
Unifonte Brazing Compounds. Phillips-Laffitte Co., Philadelphia.
Uniford Tractors. Bates Machine Co., Joliet, Ill.
Uniframe Motors. B. A. Wesche Electric Co., Cincinnati, O.
Uni-Lectric Lighting System. Unilectric Corp., Detroit, Mich.
Uni-Lite Kerosene Oil Tubular Lanterns. Acorn Brass Mfg. Co., Chicago.
Unilets Junction or Outlet Boxes. Appleton Electric Co., Chicago.
Unio Electric Lamp Posts. Casey-Hedges Co., Chattanooga, Tenn.
Uni-Oak Leather Belting. Norwich Belt Mfg. Co., Norwich, Conn.
Union Air Compressors, Marines and Steam Pumps. Union Steam Pump Co., Battle Creek, Mich.
Union Annealing Boxes. Union Steel Casting Co., Pittsburgh, Pa.
Union Asphalt. Union Oil Co. of Cal., Los Angeles, Cal.
Union Babbitt Metal. Syracuse Smelting Works, Brooklyn, N. Y.
Union Barn Door Hangers, Barn Door Rollers, Stay Rolls. Lawrence Bros., Sterling, Ill.
Union Block Signals. Union Switch & Signal Co., Swissvale, Pa.
Union Bread Racks, Dough Racks, Baskets, Proofers, Sand and Gravel Screens. Union Steel Products Co., Albion, Mich.
Union Carbide. Union Carbide Sales Co., New York.
Union Carboy Inclinator. Horace M. McCord & Co., Minneapolis, Minn.
Union Carryall Bags. Union Bag & Paper Corp., New York.
Union Chucks, Shears, Punches, Face Plate Jaws. Union Mfg. Co., New Britain, Conn.
Union Cigar Cutters, Etc. L. F. Grammes & Sons, Inc., Allentown, Pa.
Union Compounding Valve Water Heaters. Union Water Meter Co., Worcester, Mass.
Union Corkboard Insulation. Union Fibre Co., Winona, Minn.
Union Covering for Brine and Cold Water Pipes. Union Fibre Co., Winona, Minn.
Union Double Acting Ratchet Screw Driver and Drill Combined Screw Drivers. Geo. E. Gay, Augusta, Me.
Union Drills, Cutters and Reamers. Union Twist Drill Co., Athol, Mass.
Union Driving Lanterns. R. E. Dietz Co., New York.
Union Economy Babbitt Metal. Union Smelting & Refining Co., Newark, N. J.

Union Electric Enclosed Indicating Cartridge Fuses, Renewable Fuses, Fuse Cutouts, Fuse Plugs, Switch and Outlet Boxes, Tested Fuse Wire and Strip, Automobile Fuses, Cutouts, Connections, etc.; Fusible Fire Door Links; Panel and Switch Board Fittings; Conerete and Ceiling Boxes. Chicago Fuse Mfg. Co., Chicago.
Union Feed and Ensilage Cutters. Heebner & Sons, Lansdale, Pa.
Union Feed Cutters. Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Union Film Oil. Union Petroleum Co., Philadelphia.
Union Flint Paper. American Glue Co., Boston, Mass.
Union-Ford Motor Trucks. Union Truck Mfg. Co., New York.
Union Frogs, Switches and Crossings. Morden Frog & Crossing Wks., Chicago.
Union Gas Engines. Union Gas Engine Co., Oakland, Cal.
Union Giant Engines. Union Fdry. & Machine Co., Ottawa, Kan.
Union Glue. Union Casein Co., Philadelphia, Pa.
Union Grain Drills, Stalk Cutters. Peoria Drill & Seeder Co., Peoria, Ill.
Union Grease Lubricants. Downing Grease Co., Boston, Mass.
Union Horse Nails. Fowler & Union Horse Nail Co., Buffalo, N. Y.
Union Hammer. Union Iron Works, Meadow Siding, Hoboken, N. J.
Union Highest Compression Piston Rings. Modern Motor Parts Co., Rockford, Ill.
Union, Jr., Seeders and Sowers. Peoria Drill & Seeder Co., Peoria, Ill.
Union Lanterns. R. E. Dietz Co., New York.
Union Leather Belting. Union Belt Co., Fall River, Mass.
Union Lawn Rakes. Union Fork & Hoe Co., Columbus, O.
Union Lead Pencils and Advertising Pen Holders. Union Pencil Co., New York.
Union Lemon Squeezers. Arcade Mfg. Co., Freeport, Ill.
Union Lock Fences. American Steel & Wire Co., Chicago.
Union Lubricator Valves. Wm. Powell Co., Cincinnati, O.
Union Metal Columns; Lamp Standards; Pergolas, Etc. The Union Metal Mfg. Co., Canton, O.
Union Metal Corner Beads. Union Metal Corner Co., Boston, Mass.
Union Milk Cans. Oakes & Burger Co., Cattaraugus, N. Y.
Union Motor Trucks. Union Motor Truck Co., Bay City, Mich.; Union Truck Mfg. Co., New York.
Union Pacific Self-Feeding Drills. Handlan-Buck Mfg. Co., St. Louis,
Union Packing. Greene, Tweed & Co., New York.
Union Paper Bags, Shopping Bags. Union Bag & Paper Corp., New York.
Union Pipe Covering for Brine, Warm and Cold Water Pipes. Union Fibre Co., Inc., Winona, Minn.
Union Prospecting Drills. Union Constr. Co., San Francisco, Cal.
Union Radiators. Union Radiator Co., Johnstown, Pa.
Union Rail Bonds. Union Electric Co., Pittsburgh, Pa.
Union Rubber Hose. Voorhees Rubber Mfg. Co., Jersey City, N. J.
Union Rubber Plumbing Supplies. L. Ray Lenich, Union City, Ind.
Union Sausage Stuffers. Union Machine Wks. & Iron Fdry., Phila.
Union Saw Benches; Band Saws; Jointers; Shapers; etc. Gallmeyer & Livingston Co., Grand Rapids, Mich.
Union Sheetings. Cliver-Wright-Rainey Co., Cincinnati, O.
Union Signal System. Union Switch & Signal Co., Swissvale, Pa.
Union Special Babbitt Metal. Union Smelting & Refining Co., Newark, N. J.
Union Standard Cast Sprockets. Union Chain & Mfg. Co., Seville, O.
Union Standard Trolley Harps. Bases and Trolley Line Materials. R. D. Nuttall Co., Pittsburgh, Pa.
Union Standard Trolleys. R. D. Nuttall Company, Pittsburgh, Pa.
Union Steam Jet Blowers. Scranton Pump Co., Scranton, Pa.
Union Steel Chains, Cut Tooth Sprockets, Friction Clutches. The Union Chain & Mfg. Co., Sandusky, O.
Union Stone Jacks, Chain Hoists, Boot Protectors, Trench Braces, Wire Rope Clips and Contractors' Pumps. Jas. H. Channon Mfg. Co., Chicago.
Union Tackle Blocks. Union Hardware Co., Torrington, Conn.
Union Thread Cutting Oil. Standard Oil Co., Chicago.
Union Toilet Seats. M. P. Berglas Mfg. Co., Brooklyn, N. Y.
Union Tool Grinders. Barcalo Mfg. Co., Buffalo, N. Y.
Union Truck Dollies. Argo-Vines Mfg. Co., Los Angeles, Cal.
Union Waste Paper Baskets and Window Guards. Union Steel Products Co., Ltd., Albion, Mich.
Union Water Closets. Pierce, Butler & Pierce Mfg. Corp., New York.
Union Water Meters, Oil Meters, Pressure Regulators, Cement Lining Presses. Union Water Meter Co., Worcester, Mass.
Union Water-Tube Boilers. Union Iron Works, Erie, Pa.
Union Wood Working Machy. Gallmyer & Livingston Co., Grand Rapids, Mich.
Unionite Sheet Packing. Union Asbestos & Rubber Co., Chicago.
Unionlock Buckets. Union Iron Works, West Shore Sta., Hoboken, N. J.
Unipeco Lead Pencils and Advertising Penholders. Union Pencil Co., New York.
Unipointe Babbitt Metal. The Phillips-Laffitte Co., Philadelphia, Pa.
Uniq Auto Accessories and Office Appliances. C. Spiro Mfg. Co., New York.
Unique Boiler Injectors. J. E. Lonergan & Co., Philadelphia, Pa. Rue Mfg. Co., Philadelphia, Pa.
Unique Coaster Wagons. Sheboygan Coaster & Wagon Works, Sheboygan, Wis.
Unique Cereal Milling Machinery. Robinson Mfg. Co., Muncy, Pa.
Unique Cover Paper. C. H. Dexter & Sons, Windsor Locks, Conn.
Unique Electric Lamp Posts. Casey-Hedges Co., Chattanooga, Tenn.
Unique Gasoline Pumps. Barnes Mfg. Co., Mansfield, O.
Unique Heaters. New Milford Foundry & Machine Co., New Milford, Conn.
Unique Metallic Shingles. Geo. C. Meurer Co., Brooklyn, N. Y.
Unique Nutmeg Graters. Hamblin & Russell Mfg. Co., Worcester, Mass.
Unique Radiator Hot Water Valves. Honeywell Heating Specialty Co., Wabash, Ind.
Unique Smokeless Rifle Powder. Hercules Powder Co., Wilmington, Del.
Unique Toilet Paper Holders. Cassady Fairbank Mfg. Co., Chicago.
Unique Tools. Will B. Lane Unique Tool Co., Chicago.
Unique Whirlwind Dust Collector. Robinson Mfg. Co., Muncy, Pa.
Uniroll Belt Conveyor Idlers. Link-Belt Company, Chicago, Indianapolis, Philadelphia; H. W. Caldwell & Son, Chicago.
Unisteel Jewelers' Saws. Universal Steel Products Co., San Francisco, Cal.
Unit Air Drill Hose. Hewitt Rubber Co., Buffalo, N. Y.
Unit Concrete Reinforcing Materials. A. P. Hanson & Son, Chicago.
Unit Electric Lamp Posts. Casey-Hedges Co., Chattanooga, Tenn.
Unit Flushing Valves, Siamese Connections. Murray & Sorenson, New York.
Unit Garbage Receivers. C. H. Stephenson, Lynn, Mass.
Unit Sight Flow Indicators. Lunkenheimer Co., Cincinnati, O.
Unit Spirals for Concrete Columns. American System of Reinforcing, Chicago.
Unitan Leather Belting. Norwich Belt Mfg. Co., Norwich, Conn.
Unitas Adding Machines. Oscar Muller Co., New York.
Unitas Calculating Machines. The Tim Calculating Mach. Co., Chicago.
Unitas Wall Covering. Embossed Wall Covering Co., Philadelphia.
United Centrifugal Pumps. United Iron Wks. Co., Kansas City, Mo.
United Chrome Vanadium Steels. United Alloy Steel Corp., Canton, O.
United Concrete Mixers and Electric Lighting System. United Engine Co., Lansing, Mich.
United Filter Presses. United Filters Corp., New York.
United Ice Machine. Western Butchers' Supply Co., San Francisco.
United Phonograph Motors, Tone Arms and Reproducers. United Mfg. & Distributing Co., Chicago.
United Pipe and Pittings. United Brass Mfg. Co., Cleveland, O.
United Standard Cast Iron Surface Plates and Tube Rolling Machines. United Machine & Mfg. Co., Canton, O.
United States Auto Wheels. Baker Wheel & Rim Co., Chicago.
United States Cast Iron. United States Cast Iron & Foundry Co., Philadelphia, Pa.
United States Clothes Washing Machines. N. Brown Co., Wapakoneta, O.
United States Cream Separators. Vermont Farm Machine Co., Bellow Falls, Vt.
United States Electric Signals. United States Electric Signal Co., West Newton, Mass.
United States Lathes. The United States Lathe & Machine Co., Cincinnati, O.
United States Radiators. United States Radiator Corp., Detroit, Mich.
United States Rail Bonds. American Steel & Wire Co., Chicago.
United States Rubber Belting, Water Hose, Steam Hose, Suction Hose. W. D. Allen Mfg. Co., Chicago.
United States Signs. United States Changeable Sign Co., New York.
United States Solid Truck Tires. United States Tire Co., New York.
United States Staybolt Iron. Brown & Co., Inc., Pittsburgh, Pa.
United States Steel Piling. Carnegie Steel Co., Pittsburgh, Pa.
United States Tires. Morgan & Wright, Detroit, Mich.
United States Treasury Mucilage, Writing Inks and Paste. Wm. A. Davis Co., Boston.
United Steel Sash. Trussed Concrete Steel Co., Detroit, Mich.
United Steels. United Alloy Steel Corp., Canton, O.
United Trucks. United Motors Co., Grand Rapids, Mich.
United Tube Rolling Machines. The United Machine & Mfg Co., Canton, O.
United Window Casement Adjusters. United Specialties Mfg. Co., Jamaica, N. Y.
U. S. Agra Hose. U. S. Rubber Co., New York.
U. S. Amazon Hose. U. S. Rubber Co, New York.
U. S. Annealing, Decorating, Concrete and Cement Face Mica. U. S. Mica Mfg. Co., Forest Park, Ill.
U. S. Automatic Injectors. American Injector Co., Detroit, Mich.
U. S. Axles. U. S. Axle Co., Pottstown, Pa.
U. S. Ball Bearings. U. S. Ball Bearing Mfg. Co., Chicago, Ill.
U. S. Ball Cocks. Julian d'Este Co., Boston, Mass.
U. S. Barn Door Hangers. Hunt, Helm, Ferris & Co., Harvard, Ill.
U. S. Barrows. Sidney Steel Scraper Co., Sidney, O.
U. S. Belting. Reed & Duecker, Memphis, Tenn.
U. S. Block System, Electric Railway Signals. United States Electric Signal Co., West Newton, Mass.
U. S. Boiler Feeders. American Injector Co., Detroit, Mich.
U. S. Bottling Machinery. U. S. Bottlers' Machinery Co., Chicago.
U. S. Brand of Iron. Wetherell Bros. Co., Cambridge, Mass.
U. S. Buffing Compositions. U. S. Chemical Co., Cleveland, O.
U. S. Cannery Belts. U. S. Rubber Co., New York.
U. S. Carbon Paper and Typewriter Ribbons. U. S. Typewriter Ribbon Mfg. Co., Philadelphia.
U. S. Cast Iron Pipe. U. S. Cast Iron Pipe & Foundry Co., Burlington, N. J.
U. S. Clinker Hooks, Porch Swings. United States Wire Mat Co., Decatur, Ill.
U. S. Clothes Pins. U. S. Clothespin Co., Montpelier, Vt.
U. S. Champion Tile Machine. L. Hansen & Co., Kansas City, Mo.
U. S. Colonial Garden Hose. U. S. Rubber Co., New York.
U. S. Cook Stove Evaporators. Edw. B. Fahrney, Waynesboro, Pa.
U. S. Conveyor and Elevator Belts, Metal Inserted Matting, Paint Spray Hose, Rubber Footwear, Rubber Tile Flooring, Perforated Mats. U. S. Rubber Co., New York.
U. S. Corn Huskers; Heaters; Jacks; Mills; Pulleys; Regulators, Semaphore Signals; Switchstands and Fixtures; Tanks and Hoops; Towers; Water Columns; Windmills, Etc. U. S. Wind Engine & Pump Co., Batavia, Ill.
U. S. Dinner Pails. Central Stamping Co., New York.
U. S. Door Hangers. Richards-Wilcox Mfg. Co., Aurora, Ill.
U. S. Drilling and Planing Machines. U. S. Mach. Tool Co., Cincinnati, O.
U. S. Duplex Hydraulic Hose. U. S. Rubber Co., New York.
U. S. Eclipse Packing. U. S. Rubber Co., New York.
U. S. Electric Tools. United States Electrical Tool Co., Cincinnati, O.
U. S. Electric Trolley Contact Signals. U. S. Electric Signal Co., W. Newton, Mass.
U. S. Electrical Cloth Cutters. U. S. Cloth Cutting Machine Co., New York.
U. S. Equalizers. U. S. Pressed Steel Co, Ypsilanti, Mich.
U. S. Eureka Fire Hose. U. S. Rubber Co., New York.
U. S. Expansion Bolt. U. S. Expansion Bolt Co., New York.
U. S. Fibre Plaster Board. C. B. Hewitt & Bros., New York.
U S. Fire Extinguishers. Missouri Lamp & Mfg. Co., St. Louis, Mo.
U. S. Flexible Steel Wire Mats. U. S. Wire Mat Co., Decatur, Ill.
U. S. Four Ace Sand Blast Hose. U. S. Rubber Co., New York.
U. S. Gate Valves, Throttle Valves. Wm. Powell Co., Cincinnati, O.
U. S. Giant Belting, Hose, Force Cups. U. S. Rubber Co., New York.
U. S. Grain Graders. B. S. Coustant Mfg. Co., Bloomington, Ill.
U. S. Granite Elevator Belts. U. S. Rubber Co., New York.
U. S. Guard Rail Clamps. United States Malleable Iron Co., Toledo, O.
U. S. Gypsum Plasters. United States Gypsum Co., Chicago.
U. S. Hand Corn Planters. Wabers Mfg. Co., Racine, Wis.
U. S. Hand Punches. I. P. Richards, Providence, R. I.
U. S. Hog Beater Belt. U. S. Rubber Co., New York.
U. S. Holdtite Friction Tape. U. S. Rubber Co., New York.
U. S. Honest John Packing. U. S. Rubber Co., New York.
U. S. Horse Shoes. United States Horse Shoe Co., Erie, Pa.
U. S. Hot Air Furnaces. Columbus Heating & Ventilating Co., Columbus, O.

U. S. Hot Air Registers. U. S. Register Co., Ltd., Battle Creek, Mich.
U. S. Ice Skates, Nail Sets. P. Lowentraut Mfg Co., Newark, N. J.
U. S. Ignitor Ignition Batteries. National Carbon Co., Long Island City, N. Y.
U. S. Lining and Cover Fibre. C. B. Hewitt Bros., Inc., New York.
U. S. Locomotive Cranes. A. D. Granger Co., New York.
U. S. Locomotive Packing. U. S. Rubber Co., New York.
U. S. Low Water Alarms, Safety Water Columns. Leopold Steigert, Cincinnati, O.
U. S. Mastiff Fire and Gasoline Hose. U. S. Rubber Co., New York.
U. S. Matchless Elevator and Conveyor Belts, Force Cups. U. S. Rubber Co., New York.
U. S. Meat and Food Choppers. Smith & Hemenway Co., New York.
U. S. Metal Polish. Geo. W. Hoffman Co., Indianapolis, Ind.
U. S. Metallic Packing. U. S. Metallic Packing Co., Philadelphia, Pa.
U. S. Mineral Wool. U. S. Mineral Wool Co., New York.
U. S. Motormats. U. S. Rubber Co., New York.
U. S. Motor Trucks. The United States Motor Truck Co., Cincin., O.
U. S. Motors. U. S. Electric Mfg Co., Los Angeles, Cal.
U. S. Multiple Spindle Drill Heads. The United States Drill Head Co., Cincinnati, O.
U. S. Muriate of Potash. Utah Salduro Co., Salt Lake City, Utah.
U. S. Navy Emulsifier. Elmer & Amend, New York.
U. S. Neptune Deck Hose. U. S. Rubber Co., New York.
U. S. Original Tire Powders. U. S. Mica Mfg. Co., Forest Park, Ill.
U. S. Oxy-Acetylene Equipment. United States Welding Company, Inc., Minneapolis, Minn.
U. S. Ozone Water Sterilizer. Electric Water Sterilizer & Ozone Co., Scottdale, Pa.
U. S. Oak Tanned Leather Belting and Belt Cement. Reed Duecker, Memphis, Tenn.
U. S. Paramo Oil Proof Sheeting Packing. U. S. Rub. Co., New York.
U. S. Paravar Rubber Varnish. U. S. Rubber Co., New York.
U. S. Peerless Packing, Hose and Belting. U. S. Rub. Co., New York.
U. S. Perfected Hose. U. S. Rubber Co., New York.
U. S. Pilot Belting and Suction Hose. U. S. Rubber Co., New York.
U. S. Planes. Sargent & Co., New Haven, Conn.
U. S. Pop Safety Valves. J. E. Lonergan Co., Philadelphia.
U. S. Rainbestos Rod and Packing. U. S. Rubber Co., New York.
U. S. Rainbow Belting, Packing and Hose. U. S. Rub. Co., New York.
U. S. Relio Splicing Compound Tape. U. S. Rubber Co., New York.
U. S. Reuther Potato Diggers. U. S. Wind Engine & Pump Co., Batavia, Ill.
U. S. Reveroid Printers' Blankets. U. S. Rubber Co., New York.
U. S. Rocking Grates. U. S. Rocking Grate Bar Co., Chicago.
U. S. Royal Golf Balls and Packing. U. S. Rubber Co., New York.
U. S. Rubber Tires. Morgan & Wright, Detroit.
U. S. Samson Belting, Packing, Hose. U. S. Rubber Co., New York.
U. S. Sash Cords. Whittier Mills Co., Chattahooche, Ga.
U. S. Sawyer Belting and Belt Dressing. U. S. Rub. Co., New York.
U. S. Sawyer Black Hawk Belting. U. S. Rubber Co., New York.
U. S. Sawyer Black Hawk Hi-Heat Belting. U. S. Rub. Co., New York.
U. S. Sawyer Paraffine Belting. U. S. Rubber Co., New York.
U. S. Security Belting and Hose. U. S. Rubber Co., New York.
U. S. Spiral Waterproof Trolley Arc Cords. Whittier Mills Co., Chattahoochee, Ga.
U. S. Spring Step Rubber Heels. U. S. Rubber Co., New York.
U. S. Standard Babbitt Metal. Riverside Metal Refining Co., Connellsville, Pa.
U. S. Standard Blasting Machines. Atlas Powder Co., Wilmington, Del.
U. S. Standard Cleaning Compounds. Samoline Corp., Inc., Chicago.
U. S. Standard Door Hangers. Safety Door Hanger Co., Ashland, O.
U. S. Standard Dry Batteries. National Carbon Co., Long Island City, N. Y.
U. S. Standard Hot Pressed Nuts, Test Gauges, Steam Gauges. American Equipment Co., Norristown, Pa.
U. S. Standard Portable Saw Mills. Geo. S. Comstock & Son, Mechanicsburg, Pa.
U. S. Standard Punches. I. P. Richards Co., Providence, R. I.
U. S. Standard Sub Presses. U. S. Tool Co., Newark, N. J.
U. S. Steel Gas Analysis Apparatus. Elmer & Amend, New York.
U. S. Steel Loading Chain. U. S. Chain & Forging Co., Pittsburgh, Pa.
U. S. Tool Steels. Brown & Co., Pittsburgh, Pa.
U. S. Tools. U. S. Electrical Tool Co., Cincinnati, O.
U. S. Trolley Wire Sleet Cutters. R. D. Nuttall Co., Pittsburgh, Pa.
U. S. Turbines. Hydraulic Tubing Corp., Camden, N. J.
U S. Two-Stage Air Compressors. The United States Air Compressor Co., Cleveland, O.
U. S. Urinals. Crane Co., Chicago.
U. S. Vanda Sheet Packing. U. S. Rubber Co., New York.
U. S. Wire Poultry Netting. Indiana Steel & Wire Co., Muncie, Ind.
U. S. Wizard Packing. U. S. Rubber Co., New York.
U. S. Worthy Linen Hose. U. S. Rubber Co., New York.
U. S. Woven Wire Fences; Steel Fence Posts. American Steel & Wire Co., Chicago.
Unitile Tile. Donahey, Moore & Donahey, Uhrichsville, O.
Unitize Electric Steam Boilers. Safety Utility Co., Boston.
Unito Drill Rod. Steel Sales Corp., Chicago.
Unito Machine Parts. Leslie Co., Lyndhurst, N. J.
Unitool Lifting Jacks, Etc. Peerless Tool Co., Chicago.
Unitron Rectifiers. Forest Electric Co., Inc., Newark, N. J.
Uni-Truck Truck Units. Stewart Mfg. Co., Waterloo, Ia.
Unity Dies, Jigs and Tools. Unity Mfg. Co., Chicago.
Unity Exhaust Heads. J. G. O'Neil, Chicago.
Unity Electric Lamp Posts. Casey-Hedges Co., Chattanooga, Tenn.
Unity Insulator Pins. Minerallic Elec. Co., Chicago.
Unity Rubber Bands. East Hampton Rub. Thread Co., Easthampton, Mass.
Unity Switchstands and Fixtures. Modern Frog & Crossing Works, Chicago.
Univent Ventilating System and Wardrobes. Herman Nelson Corp., Moline, Ill.
Univernish—The Universal Varnish. Murphy Varnish Company, Newark, N. J.
Universal Adding Machine Rolls. Rockwell-Barnes Co., Chicago.
Universal Adjustable Cutter Heads. U. S. Hawker Mfg. Co., Dayton, O.
Universal Adjustable Road Drag. Galion Iron Works & Mfg. Co., Galion, O.
Universal Air Pump Lubricators; Squirt Hose. Universal Packing Corp., Pittsburgh.
Universal Angle Plates. Boston Scale & Machine Co., Boston, Mass
Universal Annular Ball Bearings. The Federal Bearings Co., Inc., Poughkeepsie, N. Y.
Universal Angular Bit Stocks, Hand Drill Machines. Millers Falls Co., New York.
Universal Automatic Air Squeezer. Berkshire Mfg. Co., Cleveland, O.
Universal Automobile Bumpers and Lamp Brackets. L. P. Hallady Co., Decatur, Ill.
Universal Automobile Turntables; Sheet Metal Machinery. The Canton Fdry. & Machine Co., Canton, O.
Universal Automotive Accessories. Auto Metal Parts Co., Des Moines, Ia.
Universal Automatic Lever Chucks. Potter & Johnston Machine Co., Pawtucket, R. I.
Universal Babbitt Metal. Merchant & Evans Co., Philadelphia; More-Jones Brass and Metal Co., St. Louis, Mo.
Universal Batteries. Universal Battery Co., Chicago.
Universal Battery Charging Clips and Test Clips. Mueller Electric Co., Cleveland, O.
Universal Bedbug Liquid Exterminator. U. S. Sanitary Specialties Corp., Chicago.
Universal Belt Hooks. Strong Mach'y & Supply Co., New York.
Universal Belt Shifters, Pull and Countershafts. Builders' Iron Fdry., Providence, R. I.
Universal Belting, Hose, Packing and Rubber Goods. Boston Belting Co., Boston, Mass.
Universal Blue Printing Machines. Buffalo Blue Print Co., Buffalo, N.Y.
Universal Boiler Injectors. Schutte & Koerting Co., Philadelphia.
Universal Box Strap. Cary Mfg. Co., Brooklyn, N. Y.
Universal Brake Linings. Staybestos Mfg. Co., Philadelphia, Pa.
Universal Bushings. New Process Specialty Co., Milwaukee, Wis.
Universal Cable Grips and Guy Anchors. Universal Cable Grip Co., Skaneateles, N. Y.
Universal Car Mover. Wentink Mfg. Corp., Menasha, Wis.
Universal Carpet Sweepers. Bissell Carpet Sweeper Co., Grand Rapids, Mich.
Universal Carrier Bases. Universal Railway Supply Co., Chicago.
Universal Casement Adjusters. Payson Mfg. Co., Chicago.
Universal Casters. The Bassick Company, Bridgeport, Conn.
Universal Cement Post Machinery. Cement Machy. Co., Jackson, Mich.
Universal Chair Seats. Diamond State Fibre Co., Bridgeport, Pa.
Universal Chemical Water Softener (For Steam Boilers); Cutting Compound; Hydraulic Elevator Lubricant. Heisler Mfg. Co., Chicago.
Universal Cigar Lighters. Adjustable Lighter Assn., Newton, Mass.
Universal Circular Folding Machines. American Multigraph Sales Co., Cleveland.
Universal Closet Couplings. Hydraulic Special Co., Philadelphia.
Universal Cloth Cutting Machines. Universal Cutter Co., St. Louis, Mo.
Universal Compression Stops. Peck Bros. & Co., New Haven, Conn.
Universal Cobblers' Outfits, Shoe Cleaners. Root-Heath Mfg. Co., Plymouth, Pa.
Universal Concentrating Table. Guarantee Engineering & Machine Works, Los Angeles, Cal.
Universal Concentrating Tables. Overstrom Mfg. Co., San Francisco, Cal.; Bunting Iron Works, San Francisco, Calif.
Universal Concrete Slab Computer. The Consolidated Expanded Metal Companies, Braddock, Pa.
Universal Conveyor. The Universal Conveyor Co., South Bend, Ind.
Universal Cranes. Universal Crane Co., Dept. H, Elyria, O.
Universal Crushers, Pulverizers, Etc. Universal Crusher Co., Cedar Rapids, Ia.
Universal Cultivators. J. I. Case Plow Works, Racine, Wis.
Universal Cutter and Tool Grinder. Cincinnati Milling Machine Co., Cincinnati, O.
Universal Devices and Packings. Johns-Manville, Incorporated, New York.
Universal Double-Jointed Chain. Smith & Egge Mfg. Co., Bridgeport, Conn.
Universal Draft Gear Attachments, Draw Bar Yokes Draft Plates, Lug, Arms, Friction Tandem Draft Gear, Brine Tank Valves, Side Bearings. Universal Draft Gear Attachment Co., Chicago.
Universal Drafting Machines. Universal Drafting Machine Co., Cleveland, O.
Universal Dressers. Wolverine Brass Works, Grand Rapids, Mich.
Universal Drills and Grinders. Standard Electric Tool Co., Cincinnati, O.
Universal Drilling Machine Vises. Sellew Mach. Tool Co., Pawtucket, R. I.
Universal Drilling Machine and File Handles. Millers Falls Co., Millers Falls, Mass.
Universal Drop Hangers. Bond Foundry & Mach. Co., Lancaster, Pa.
Universal Duplicator. American Duplicator Co., New York.
Universal Electric Cable Hangers. National Telephone Supply Co., Cleveland, O.
Universal Electric Fans, Bench and Center Grinders, Hair Cutting Machines and Electric Vibrators. Racine Universal Motor Co., Chicago.
Universal Electric Lampbrackets. McCrosky Tool Corp., Dept. H, Meadville, Pa.
Universal Electric Fans. Diehl Mfg. Co., Elizabeth, N. J.
Universal Elec. Welding Machine. Federal Mach. & Welder Co., Warren, O.
Universal Electric Weigher. Am. Machy. Co., Philadelphia.
Universal Electric Wire Cord Spools. McGill Mfg. Co., Valparaiso, Ind.
Universal Electrical Fittings. Steel City Electric Co., Pittsburgh, Pa.
Universal Emery Grinders. Bath Grinder Co., Fitchburg, Pa.
Universal Emery Tool Grinder. Gisholt Mach. Co., Madison, Wis.
Universal Equalizing Vice Jaws, Etc. Universal Equalizer Co., Cincinnati, O.
Universal Expanding Files. Bushnell Co., Alvah, Philadelphia, Pa.
Universal Eye Guards. The Safety Engineering Co., Cleveland, O.
Universal Eyelet, Fastener and Grommet Setting Machines. F. H. Smith Mfg. Co., Chicago.
Universal Fertilizer Distributors. Towers & Sullivan Mfg. Co., Rome, Ga.
Universal Flanging Machines. Morgan Engineering Co., Alliance, O.
Universal Form Clamps. Universal Form Clamp Co., Chicago.
Universal Flour Sieves. Parker Wire Goods Co., Worcester, Mass.
Universal Fluxine Brazing Compounds. Universal Fluxine Co., Urbana, O.
Universal Fruit and Vegetable Parers. Hamblin & Russell Mfg. Co., Worcester, Mass.
Universal Giant Pulley. T. B. Wood's Sons Co., Chambersburg, Pa.
Universal Graphite Lubricants. Warren Lubricant Co., Buffalo, N. Y.
Universal Grinder. F. E. Wells & Son Co., Greenfield, Mass.
Universal Grinding Machine. The Universal Grinding Machine Co., Fitchburg, Mass.
Universal Hack Saws and Blades. West Haven Mfg. Co., New Haven, Conn.
Universal Hand Oil Pumps. The Lunkenheimer Co., Cincinnati, O.
Universal Heating Devices. Central Electric Co., Chicago.
Universal Heel Plates and Stiffeners, Cobblers' Outfit and Shoe Stands. Fate-Root-Heath Co., Plymouth, O.

Universal Hollow Augers. A. A. Wood & Sons Co., Atlanta, Ga.; Jas. Swan Co., Seymour, Conn.
Universal Hollow-Hexagon Turret Lathes. Warner & Swasey Co., Cleveland, O.
Universal Hook and Eyelet Setting Machines. F. H. Smith Mfg. Co., Chicago.
Universal Horizontal Drilling and Boring Machinery. Universal Boring Machine Co., Hudson, Mass.
Universal Hose Nozzles. L. R. Nelson, Peoria, Ill.
Universal Hydraulic Jacks. Richard Dudgeon, New York.
Universal Index Centers. Fred C. Dickow, Chicago.
Universal Insulated Connectors. R. S. Mueller & Co., Cleveland, O.
Universal Insulite Board. Minnesota & Ontario Paper Co., Insulation Division, International Falls, Minn.
Universal Kneading and Mixing Machines. Werner & Pfleiderer Co. White Plains, N. Y.; Baker Sons & Perkins Co., Inc., Jos., White Plains, N. Y.
Universal Lathe and Planer, Plain Tool Grinders. Gisholt Machine Co., Madison, Wis.
Universal Lawn Mowers. Blair Mfg. Co., Springfield, Mass.; Clarinda Lawn Mower Co., Clarinda, Ia.
Universal Lead Pencils. American Lead Pencil Co., New York.
Universal Lightning Arresters; Messenger Hangers. Hubbard & Co., Pittsburgh, Pa.
Universal Lianasilk Life Saving Equipment. Robinson-Roders Co., Newark, N. J.
Universal Lock Joint Steel Ceilings. F. O. Schoedlinger, Columbus, O.
Universal Logging Machines. The Clyde Iron Works, Duluth, Minn.
Universal Loud Speakers and Receivers. Roller-Smith Co., New York.
Universal Lubricating Oil and Greases. W. P. Miller Co., Brooklyn, N. Y.
Universal Lubricator. Heisler & Witte Mfg. Co., Chicago.
Universal Marine Motors, Generating Sets. Universal Motor Co., Oshkosh, Wis.
Universal Measuring Tapes. The Lufkin Rule Co., Saginaw, Mich.
Universal Mechanical Stokers. Oscar Barnet Fdry. Co., Irvington, N. J.
Universal Metal Puts Pomade Metal Polish Paste. American Metal Polish Co., West Somerville, Mass.
Universal Metallic Sash Bars. Voltz Mfg. Co., St. Joseph, Mo.
Universal Metallic Tie. Universal Metallic Tie Co., Salt Lake City.
Universal Milling Device for Planer. Up-To-Date Tool Co., Boston, Mass.
Universal Mixers. Lakewood Engineering Co., Cleveland, O.
Universal Motors. Universal Motor Co., Oshkosh, Wis.
Universal Mucilage. Continental Mfg. Co., Philadelphia.
Universal Nail Pullers, Vacuum Bottles, Kitchen Utensils, Etc. Landers, Frary & Clark, New Britain, Conn.
Universal Nozzles. Universal Nozzle Co., Indianapolis, Ind.
Universal Nut Crackers and Picks. Arcade Mfg. Co., Freeport, Ill.
Universal Oil Engines. Fernholtz Machy. Co., Los Angeles, Cal.
Universal Oilstone Grinders. Mummert-Dixon Co., Hanover, Pa.
Universal One-Piece Piston Rings. Universal Machine Co., Baltimore, Md.
Universal Ozonizer. Electric Water Sterilizer & Ozone Co., Scottdale, Pa.
Universal Paints. Universal Coatings Corp., New York.
Universal Pasting Machines. A. G. Prior, Inc., Newark, N. J.
Universal-Peerless Perforating Machines. A. G. Burton Son, Chicago.
Universal Pipe. Central Foundry Co., New York.
Universal Pipe Hangers. Enoch Rutzler Co., New York.
Universal Pitching Machines, Preheaters. Henry Rauch & Son, Mt. Vernon, N. Y.
Universal Plow Coulters. Rock Island Plow Co., Rock Island, Ill.
Universal Portland Cement. Universal Portland Cement Co., Chicago
Universal Post Hole Diggers. F. E. Kohler & Co., Canton, O.
Universal Press Laundry Machy. American Laundry Machy. Co., Cincinnati, O.
Universal Pull Countershafts. Diamond Machine Co., Providence, R. I.
Universal Protractors. Chas. H. Besley & Co., Chicago.
Universal Pump Jacks and Sling Pulleys. The F. E. Myers & Bro. Co., Ashland, O.
Universal Push Button. Garford Mfg. Co., Elyria, O.
Universal Ranges. Cribbell & Sexton, Chicago.
Universal Ratchet Drills. Gallagher Mfg. Co., Lynn, Mass.
Universal Ratchets. Universal Ratchet Co., Detroit, Mich.
Universal Reamers. Schellenbach-Hunt Tool Co., Cincinnati, O.
Universal Refrigerator Latches. Payson Mfg. Co., Chicago.
Universal Respirator. Chicago Eye Shield Co., Chicago.
Universal Reversible Window Sashes and Frames. Universal Sales Co., Oakland, Cal.
Universal Road Machinery. M. Haynes, Oakland, Calif.
Universal Rock Crushers. Universal Crusher Co., Cedar Rapids, Ia
Universal Roofing. The National Roofing Co., Tonawanda, N. Y.
Universal Rotary Track Grinders. Railway Track-work Co., Philadelphia, Pa.
Universal Rubber Packing. Boston Belting Co., Boston, Mass.
Universal Safety Treads. Electrical Material Co., Chicago.
Universal Sand Boxes. Ohio Brass Co., Mansfield, O.
Universal Sand Riddle. Foundry Supplies Mfg. Co., Chicago.
Universal Sash Chains, Plumber Chains. E. Jencks Mfg. Co., Worcester, Mass.
Universal Sash Operating Devices; Deck Sash Ratchets; Metal Sash Sash Balances, Car Window Fixtures, Locks, Metallic Weatherstripping, Gas Engine Lubricators, etc. McCord Mfg. Co., Detroit Mich.
Universal Saw Benches and Tables. Oliver Machy. Co., Grand Rapids, Mich. Consolidated Mach. Tool Corp. of America, Rochester, N. Y.
Universal Saw Mill Feed. Brownlee Machine Works, Shabuta, Miss.
Universal Self-Feeders and Band Cutters for Threshers. Nichols & Shepard Co., Battle Creek, Mich.
Universal Self Lubricating Babbitt Bearings Universal Self Lubricating Bearing Corp., Lincoln, N. J.
Universal Self-Lubricating Trolley Wheels. Universal Trolley Wheel Co., Northampton, Mass.
Universal Service Station Towers. Service Equipment Co., Huntington Park, Cal.
Universal Sheet Metal Workers' Machines and Tools, Automobile Turntables, Etc. Canton Fdry. & Mach. Co., Canton, O.
Universal Shoe Shining Chairs. Buffalo Metal Furniture Co., Buffalo.
Universal Sling Hay Carriers. Louden Machy. Co., Fairfield, Ia.
Universal Splitting Shears. Bertsch & Co., Cambridge City, Ind.
Universal Spring Oilers. Improved Gauge Mfg. Co., Syracuse, N. Y.
Universal Steel Calendar Shells and Tire Machine Drums. The W. F. Gammeter Co., Cadiz, O.
Universal Steel Ceilings. F. O. Schoedlinger, Columbus, O.
Universal Steel Hardening Powder. American Compound Co., Boston, Mass.
Universal Steel Shelving. Dexter Metal Mfg. Co., Camden, N. J.; Merritt & Co., Camden, N. J.
Universal Stop and Waste Cocks. The Kelly & Jones Co., Greensburg, Pa.
Universal Skylight. Universal Skylight Co., New York.
Universal Systems Metallic Lockers for Clothes. N. Y. Machy. Co., New York.
Universal Tenon and Boring Machines. Vulcan Iron Works, Mason City, Ia.
Universal Test Indicators. L. S. Starrett Co. (The), Athol, Mass.
Universal Toggles. Barrett Sales Co., Chicago.
Universal Track Relays. J. H. Bunnell Co., New York.
Universal Tool Grinders. Mummert-Dixon Co., Hanover, Pa.
Universal Traction Engines. Moline Plow Co., Moline, Ill.
Universal Transmission Lining. Staybestos Mfg. Co., Philadelphia, Pa.
Universal Treads. Universal Safety Tread Co., Waltham, Mass.
Universal Trolley Hangers. The Electric Railway Equipment Co., Cincinnati, O.
Universal Tube Expanders. J. Faessler Mfg. Co., Moberly, Mo.
Universal Turret Lathes. Fay & Scott, Dexter, Me.
"Universal Unaflow" Engines. Skinner Engine Co., Erie, Pa.
Universal Unit Ventilating System. John J. Nesbitt, Atlantic City, N. J.
Universal Valve Chest. Franklin, Supply Co., New York.
Universal Valve Tools. Universal Equipment & Supply Co., Syracuse, N. Y.
Universal Variety Wood Turning Machines. C. Mattison Machine Works, Rockford, Ill.
Universal Ventilators. Universal Ventilating Co., Kansas City, Mo.
Universal Vise Attachment. The Universal Equalizer Co., Cincinnati, O.
Universal Vises. Emmett Mfg. Co., Waynesboro, Pa.
Universal Water Softener. Heisler and Witte Mfg. Co., Chicago.
Universal Wall Finish and White Trowel Plaster. United States Gypsum Co., Chicago.
Universal Washing Machines. Landers, Frary & Clark, New Britain, Conn.
Universal Washing Machines. Voss Bros. Mfg. Co., Davenport, Ia.
Universal Waterproofing Compound. Universal Compound Co., N. Y.
Universal Window Cleaners. Osborn Mfg. Co., Cleveland, O.
Universal Windshield Cleaner. John W. Jepson, Buffalo, N. Y.
Universal Wire Stitchers. R. H. Brown & Co.. New Haven, Conn.
Universal Wire Tyer. Cary Mfg. Co., Brooklyn, N. Y.
Universal Wood Boring Machines. J. M. Nash, Milwaukee, Wis.
Universal Wringers. American Wringer Co., New York.
Universe Force Pumps. Goulds Mfg. Co., Seneca Falls, N. Y.
University Lawn Mowers. Phila. Lawn Mower Co., Philadelphia.
Universo Coin Paying Machine. Branst Mfg. Co., Watertown, Wis.
Uno Holders. General Electric Co., Schenectady, N. Y.
U-No Metal Polish. Grady Mfg. Co., Astoria, N. Y.
Uno Metal Polish. Uno Mfg. Co., Chicago.
Uno Shadeholders. Bryant Electric Co., Bridgeport, Conn.
Uno Ventilators. Uno Ventilator Co., Cliftondale, Mass.
"Unusually Good Paint" Ready Mixed House Paint. R. F. Johnston Paint Co., Cincinnati, O.
Unxld Bicycles. Motor Car Supply Co., Chicago.
Unxld Carbon Paper, Typewriter Ribbons. E. A. Brecher & Co., New York.
Uprite Coal Ranges, Steam and Hot Water Boilers. Heating Supply & Repair Co., Elizabeth, N. J.
Upson Bolts and Nuts. The Upson Nut Co., Cleveland, O.
Upson Processed Board; Self-Clinching Fasteners. The Upson Co., Lockport, N. Y.
Upson Processed Board. Upson Co., The, Lockport, N. Y.
Upson Wallboard and Fibre Tile; Self Clinching Fasteners. The Upson Company, Lockport, N. Y.
Upson's Window Blind Adjusters. H. B. Ives Co., New Haven, Conn.
Up-to-Date Calendars. Ideal Specialties Mfg. Corp., New York.
Up-to-Date Clips. Argus Mfg. Co., Chicago.
Up-to-Date Egg and Cream Beaters. Parkesburg Stamping & Mfg. Co., Parkesburg, Pa.
Up-2-Date Electric Washing Machine. Thistle Mfg. Co., Chicago.
Up-to-Date Mechanical Dust Collectors. Grand Rapids Blow Pipe & Dust Arrester Co., Grand Rapids, Mich.
Up-to-Date Swing Saws. E. & P. Holmes Machinery Co., Buffalo, N. Y.
Uranium High Speed Steel. Latrobe Steel Co., Latrobe, Pa.
Uranus Electric Lamp Posts. Casey-Hedges Co., Chattanooga, Tenn.
Urban Electric Lamp Posts. Casey-Hedges Co., Chattanooga, Tenn.
Urban Electric Trucks. Kentucky Wagon Mfg. Co., Louisville, Ky.
Urban Mail Boxes. Introstile Mfg. Co., Marietta, O.
Urban Trolley Wheels. Electrical Material Co., Chicago, Ill.
Ureco Refrigerator Car Devices, Brine Retaining Valves, Brine Tank Handholes, Brine Tank Supports, Refrigerator Car Door Hinges (automatic self locking), **Well Traps** for Refrigerator Cars, (Pressed Steel), Meat Hooks, Fruit Car Ventilators, Refrigerator Car Bulkheads (Stationary and Collapsible), Coupler Centering Device, Coupler Release Rigging, Uncoupling Lever Arrangements, Drop Brake Shafts for flats and Logging Cars, Ratchet Hand Brakes for Gondolas and Box Cars, Geared Hand Brakes (stationary and drop types) for all types freight cars. Metal Ladders, Metal Carlines. Union Railway Equipment Co., Chicago.
Ureco Pneumatic Track Sanders. U. S. Metal & Mfg. Co., New York.
U-Re-Lite Circuit Breakers. Cutter Electrical & Mfg. Co., Phila.
Ursa (Texaco) Lubricating Oil. The Texas Co., New York.
Ursus Garden Hose. Hewitt Rubber Co., Buffalo, N. Y.
U-Sav-Your Polish. U-Sav-Your Mfg. Co., Warren, Mass.
Usarco Antimony, Babbitt Metal, Fusible Alloys, Lead and Block Tin, Pig Lead Metals, Solder, Spelter, White Metal Alloys. Union Smelting & Refining Co., Newark, N. J.
Usaco Packing. U. S. Asbestos Co., Lancaster, Pa.
Usalite Porcelains and Pyrometer Tubes. The Stupakoff Laboratories, Pittsburgh, Pa.
Usalyte Gas Mantles. J. I. Robin, New York.
Usamp Tents and Duck. Fulton Bag & Cotton Mills, Atlanta, Ga.
Usanco Disinfectant. U. S. Sanitary Specialties Corp., Chicago.
Usarco Babbitt Metals, Solder, Etc. Union Smelting & Refining Co., Inc., Newark, N. J.
Usarco Brand Solder. Standard Steel & Wire Company, Chicago.
Usco Belts, Tubing and Aircraft Fabrics. United States Rubber Co., New Brunswick, N. J.
Usco Sheet Rubber Flooring, Packing Pump Valves. United States Rubber Co., New York.
Use-'Em-Up Drill Sleeves. Lovejoy Tool Wks., Chicago.
Use-Em-Up Drill Sockets. American Specialty Co., Chicago.
Use-em-up Tool Holders. Lovejoy Tool Works, Chicago.
Use It Lubricating Oils. Paul Fronhlich, Long Beach, Cal.
U-See-It Fuse Plugs. A. L. Lewis Co., Canton, O.
Use's Pride Hand Power and Portable Punches. Whitney Metal Tool Co., Rockford, Ill.

Usher Automatic Planer Stops. Lamb Knitting Machine Co., Chicopee Falls, Mass.
Usicast Chemical, Hydraulic and Miscellaneous Castings. U. S. Cast Iron Pipe & Foundry Co., Burlington, N. J.
Uskide Rubber Soles. U. S. Rubber Co., New York.
Usona Asphalt Roofing, Asphalt Shingles. Usona Mfg. Co., Aurora, Ill.
Usona Axes. American Axe & Tool Co., Glassport, Pa.
Usona Locomotive Black. Chas. R. Long, Jr., Co., Louisville, Ky.
Uss Signal and Interlocking Systems. Union Switch & Signal Co., Swissvale, Pa.
Usudurian Gaskets and Packing. Revere Rubber Co., Chelsea, Mass.
Usudurian Sheet Packing. U. S. Rubber Co., New York.
Utah Belting. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Utah Cement. Portland Cement Co. of Utah, Salt Lake City, Utah.
Utah Centre Trip Adjustable Slings. F. E. Myers & Bro., Ashland, O.
Ute Waterproof Belting. Smyth-Despard Co., Utica, N. Y.
Utica Bricklayers Cement. Utica Hydraulic Cement Co., Utica, Ill.
Utica-Imperial Super-Smokeless Steam Boiler. Utica Heater Co., Utica, N. Y.
Utica Nippers, Pliers and Staple Pullers. Utica Drop Forge & Tool Co., Utica, N. Y.
Utica Sheets and Pillow Cases. Utica Steam & Mohawk Valley Cotton Mills, Utica, N. Y.
Utica Tool Steel. Ludlum Steel Co., Watervliet, N. Y.
Utilas Urinal Stalls. Crane Company, Chicago.
Utilitor N. Y. Co. Tractors. A. D. Granger Co., New York.
Utilitor Tractor. Midwest Engine Co., Indianapolis, Ind.
Utility Air Brush. Utility Products Co., Los Angeles, Cal.
Utility Army Canteens. Hemp & Co., St. Louis, Mo.
Utility Auger Bits. W. A. Ives Mfg. Co., Wallingford, Conn.
Utility Automobile Heaters. Hill Pump Valve Co., Chicago.
Utility Babbitt Metal. Dodge Mfg. Co., Mishawaka, Ind.
Utility Boiler Feeders, Regulators, Valves, Pump Governors, Steam and Oil Separators, Standard Steam Specialty Co., New York.
Utility Car Ventilators. Railway Utility Co., Chicago.
Utility Cleaning Soap; Floor Machines. Theo. B. Robertson Products Co., Chicago.
Utility Cockeyes. Frazer & Jones Co., Syracuse, N. Y.
Utility Corn Poppers. Utility Mfg. Co., Sturgis, Mich.
Utility Cylinder Greases; Atomizing Lubricators. Engineering Supply Co., Philadelphia, Pa.
Utility Electric Floor Machines. Paul H. Koch & Company, Chicago.
Utility Exhaust Muffler and Oil Separator, Exhaust Heads, Blow-Off Cocks, Back Pressure Valves, Steam Traps, Service Heaters. The Standard Steam Specialty Co., New York.
Utility Floor Machines, Maps and Water Trucks. Kent Vacuum Cleaner Co., Inc., Rome, N. Y.
Utility Folding Tables. The Carrom Company, Ludington, Mich.
Utility Folding Stools, Motorman's Seats, Elevator Seats. C. A. Cook Co., Cambridge, Mass.
Utility Gas Ranges. Eriez Stove & Mfg. Co., Erie, Pa.
Utility Hack Saw Blades. West Haven Mfg. Co., New Haven, Conn.
Utility Hollow Handle Tool Sets. Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
Utility Milling Machine Vises. Brown Engineering Co., Reading, Pa.
Utility Pumps and Wrenches. Hill Pump Valve Co., Chicago.
Utility Railway Tail Lamps. Handlan-Buck Mfg. Co., St. Louis, Mo.
Utility Rubber Aprons, Rubber Sheeting. Stern Specialty Co., New York.
Utility Sad Irons. Edison Electric Appliance Co., Inc. (Hotpoint Div.), Chicago.
Utility Spark Plugs. Utility Co., New York.
Utility Tape. Mechanical Rubber Co., Cleveland, O.; U. S. Rubber Co., New York.
Utility Tools. The J. C. Gleuzer Co., Detroit, Mich.
Utility Trailers for Trucks and Automobiles. Utility Trailer Mfg. Co., Los Angeles, Cal.
Utility Varnish Renovator. Poughkeepsie Utilities Corporation, Poughkeepsie, N. Y.
Utility Wall Boards. Heppes Roofing Division, The Richardson Co., Lockland, O.
Utility Water Meters. Pittsburgh Meter Co., E. Pittsburgh, Pa.
Utility White Writing. Rockwell-Barnes Co., Chicago.
Utsman Cotton Cleaning Machy. Terrell Machine Co., Charlotte, N. C.
Utway Hardwoods. Utley-Holloway Co., Chicago.
Uviarc Ultra Violet Arc Lamps. General Electric Co., Schenectady, N. Y.
U-Wan-Ta Eye Shades. U-Wan-Ta Novelty Mfg. Co., Los Angeles, Cal.
Uzit Dressing. Alfred A. Smith, South Braintree, Mass.
Uzon Polish. Eaton's Uzon Co., Roanoke, Va.

V

V-A Hollow Tile and Brick. Vigo-American Clay Co., Terre Haute, Ind.
V. A. C. Refiner-Gross System (For Crank Case Oil). Automotive Research Co., Chicago.
V-B Belting. Victor-Balata & Textile Belting Co., New York.
V.-C. Emery Grinders. Valley City Machine Works, Grand Rapids, Mich.
V. C. Non-Skid Tires. Pennsylvania Rubber Co. of America, Jeannette, Pa.
V E Axles. Vulcan Engineering Co., Jackson, Mich.
V. E. M. W. Rotary Mine Pumps. Virginian Electric & Machine Works, Charleston, W. Va.
V. F. M. Dairy Apparatus. Vermont Farm Machine Co., Bellows Falls, Vt.
V. G. Flooring. Pacific States Lumber Co., Tacoma, Wash.
V Insulating Tape. Revere Rubber Co., Boston, Mass.
V. K. Oil-less Trolley Wheels and Non-Arcing Harps. More-Jones Brass & Metal Co., St. Louis, Mo.
V-K Pneumatic Water Supply Systems. Valle-Kimes Co., Dayton, O.
V-Flex Piston Rings. Krasberg Piston Ring Co., Chicago.
V-Ray Lamps. Stewart-Warner Speedometer Corp., Chicago.
V-Re-Lite Circuit Breaker and Switch. Cutter Electrical & Mfg. Co., Philadelphia, Pa.
V-Type Gasoline Engines. Ferro Machine & Fdry. Co., Cleveland, O.
V. V. Conduit Fittings. V. V. Fittings Co., Philadelphia.
V.-V. Steam Traps. Moline Heat Co., Moline, Ill.
V-W Window Ventilators. The V-W Ventilator Co., Columbus, O.
V. Z. Belting. Revere Rubber Co., Boston, Mass.
V. & B. Belt Punches, Bench Stops, Blacksmith Hammers, Center Punches, Cold and Cape Chisels, Countersink Bits, Hand Punches, Ice Tongs, Machinists' Hammers, Pinchers, Post Hole Augers, Reamer Bits, Swages, Track Tools. Vaughn & Bushnell Mfg. Co., Chicago.
V. & K Pumps. The Valle-Kimes Co., Dayton, O.
V. & O. Presses, Sheet Metal Working Machinery. The V. & O. Press Co. (Glendale), Brooklyn, N. Y.
V. & P. Solvent Paints and Varnishes Remover. Eberson Lindsley Paint Co., St. Louis, Mo.
V. & S. Automatic Bearing Bolts. V. & S. Automatic Bolt Co., Chi'go.
V. & V. Lubricating Oils and Metals Polish. Van Winkle & Van Winkle, Ridgewood, N. J.
Vac Gasoline Underground Storage Self-Measuring Oil Pumps and Pumping Outfits. Vac Liquid Equipment Co., Cedar Rapids, Ia.
Vac-M Lightning Arresters. National Electric Specialty Co., Toledo, O.
Vacation Baseballs. Rawlings Mfg. Co., St. Louis, Mo.
Vacation Tennis Shoes. U. S. Rubber Co., New York.
Vacmul Leather Dressing. Vacuum Oil Co., New York.
Vaco Vacuum Hose. Quaker City Rubber Co., Philadelphia.
Vacu-Check Metallic Valves. Bishop-Babcock-Becker Co., Cleveland, O.
Vacuette Vacuum Cleaners. Scott-Fetzer Co., Cleveland, O.
Vacuna Portable Cleaners. Kent Vacuum Cleaner Co., Inc., Rome, N. Y.
Vacuum Cotton Harvesters. Vacuum Cotton Picking Mach. Co., St. Louis, Mo.
Vacuum Fishing Bait. Vacuum Bait Co., North Manchester, Ind.
Vacuum Grip Pliers. Forged Steel Products Co., Newark, N. J.
Vacuum Heating Plants. F. W. Miller Heating Co., Chicago.
Vacustat Air Valves. Bishop & Babcock Co., Cleveland, O.
Vajen Gas and Ammonia Helmet. Vajen Helmet Co., Richmond, Ind.
Vak-Klean Vacuum Cleaners. Hanlon & Wilson, Wilkinsburg, Pa.
Vakum Lubricators. Wm. Powell Co., Cincinnati, O.
Valbestine Packing. General Asbestos & Rubber Co., Charleston, S. C.
Valdura Asphalt Paint. American Asphalt Paint Co., New York.
Vale Drawn Metal Grease Cups. Lindholm Metal Stamping Co., Camden, N. J.
Valeau Files. T. P. Walls Tool & Supply Co., New York.
Valentine Automobile Varnishes, Colors and Varnishes. Valentine & Co., New York.
Valentines Caponizing Instruments. National Appliance Co., Portland, Ore.
Valentine's Varnish for Automobile and Coach Work. Valentine Co., New York.
Valhalla Rubber Hose. Electric Hose & Rubber Co., Wilmington, Del.
Valjean Process Carburetor Oil Burners. Ingle Mfg. Co., San Diego, Cal.
Valleiron Manhole Covers, Lead Melting Pots, Etc. Valley Iron Works, Williamsport, Pa.
Valley Beet Pullers. Donaldson Bros., Mt. Clemens, Mich.
Valley City Boring Machines, Routers, Spindle Carvers, Sanders, etc. Gallmeyer & Livingston Co., Grand Rapids, Mich.
Valley City Grinding, Milling and Woodworking Machy. Gallmeyer & Livingston Co., Grand Rapids, Mich.
Valley City Shoveling and End Gate Boards. Peoria Drill & Seeder Co., Peoria, Ill.
Valley Forge Flax Packing. Quaker City Rubber Co., Phila., Pa.
Valley Forge Pocket Knives. Valley Forge Cutlery Co., New York.
Valley Motors, Motor Generator Sets, Battery Chargers, Farm Lighting Generators, Signal Battery Chargers. Valley Electric Company, St. Louis, Mo.
Valley Screw Drivers. Union Hardware Co., Torrington, Conn.
Valley Star Stoves. Wheeling Stove & Range Co., Wheeling, W. Va.
Valor (Texaco) Lubricating Oil. The Texas Company, New York.
Valqua Belt Dressing and Cements, High Pressure Packing. Pacific Mill & Mine Supply Co., San Francisco, Cal.
Valspar Varnish. Valentine & Co., New York City.
Valta & Witherbee Gas and Gasoline Engine Igniter. Witherbee Igniter Co., New York.
Value Pencils. United States Pencil Company, Philadelphia, Pa.
Valvetite Asbestos Valve Steam Packing. Keasbey & Mattison Co., Ambler, Pa.
Valvetite Metallic Packing. Akron Metallic Gasket Co., Akron, O.
Valvo-Olene Oils and Greases. Reliance Oil & Grease Co., Cleveland, O.
Valvoline Cylinder and Lubricating Oils. Valvoline Oil Co., Chicago.
Valvolite Throttle Packing. Quaker City Rubber Co., Philadelphia, Pa.
Valvseat Spark Plugs. Stitt Ignition Co., Columbus, O.
Vamanco Doors. Variety Mfg. Co., Chicago.
Vamanco Stationery Hardware Specialties. Vail Mfg. Co., Chicago.
Van-Ar-Co. Closet Seats. Van Arnam Mfg. Co., Ft. Wayne, Ind.
Van Auken Duplex Hack Saw. Coats Machine Tool Co., Inc., New York.
Van Blerck Motors. Van Blerck Motor Co., New York.
Van Briggle Carburetors. Disco Electric Mfg. Co., Detroit, Mich.
Van Brunt Seeding Machines. Van Brunt Mfg. Co., The, Horicon, Wis.
Van Dorn Automatic Connectors, Car Couplers and Draft Gears. Van Dorn Coupler Co., Chicago.
Van Dorn Electric Drills. Van Dorn Electric Tool Co., Cleveland, O.
Van Dorn Gears and Pinions. The Van Dorn & Dutton Co., Cleveland, O.
Van Dorn Steel Office Furniture. Van Dorn Iron Wks. Co., Cleveland, Ohio.
Van Dorn Universal Portable Electric Drills. Van Dorn Electric Tool Co., Cleveland, O.
Van Duzen Mixer and Hoist. The Van Duzen-Roys Co., Columbus, O.
Van Dyke Harrows and Pulverizers. Janesville Machine Co., Janesville, Wis.
Van-Esen Carbon Paper, Typewriter Ribbons. Typeribbon Mfg. Co., Chicago.
Van Houten Dough Dividing Machines. Dutchess Tool Co., Reacon, N. Y.
Van Houten Electric Fans. McLeod, Ward & Co., New York.
Van Kannel Revolving Doors. Van Kannel Revolving Door Co., New York.
Van Keuren Light Wave Measuring Outfit; Reference Gages; Microgages; Plug Gages; Measuring Wires. The Van Keuren Co., Allston, Boston, Mass.
Van Nest Railway Supplies. Van Nest Co., New York.
Van Norman Bench Milling Machines and Lathes. Van Norman Machine Tool Co., Springfield, Mass.
Van Range. John Van Range Co., Cincinnati, O.
Van Razor Stroppers and Pipe Hangers. L. A. Carpenter Press Metal Co., Cambridge, Mass.
Van Sands Blind Fasteners. John Auer, Jr., Brooklyn, N. Y.
Van Sicklen-Elgin Chronometric Tachometers. The Van Sicklen Speedometer Co., Elgin, Ill.
Van Stone Pipe Fittings. Lumsden & Van Stone Co., Boston.
Van Wagner Die Castings. E. B. Van Wagner Mfg. Co., Syracuse, N. Y.
Vans Pumps. Vans Mfg. Co., Lodi, Calif.

Vanadium Air Hammer Rivets. Geo. F. Marchant Co, Chicago.
Vanadium Brass and Bronze. J. Rogers Flannery & Co., Pittsburgh.
Vanadweld Welding Rods. Steel Sales Corp., Chicago.
Vance Steam Heaters. Jas. R. Vance, Geneva, N. Y.
Vance Steam Traps. Vance-Vetter Co., Pittsburgh, Pa.
Vance Steam Traps and Blow-Off Valves. Vance Engineering Co., Pittsburgh, Pa.
Vanco Lighting Fixtures. Mitchell Vance Co., New York.
Vancouver Row-Locks. Wilcox, Crittenden & Co., Inc., Middletown, Conn.; Thos. Laughlin Co., Portland, Me.
Vanda Compressed Fibre Sheet Packing. Seehausen, Wehrs & Co., Chicago.
Vanda "U. S." Packing. The United States Rubber Co., New York.
Vanderbeek Ball Universal Joints. Reising Arms Co., Hartford, Conn.
Vanderbilt Brake Beams. Buffalo Brake Beam Co., New York.
Vanderbilt Pig Iron. Woodward Iron Co., Woodward, Ala.
Vanderbilt Sash Balances. E. C. Stearns & Co., Syracuse, N. Y.
Vandercook Rigid Bed Composing Room Presses. Vandercook & Sons, Chicago.
Vandergrift Nut Wrenches. Vandergrift Mfg. Co., Shelbyville, Ind.
Vanderpool Vulcanizer. Vanderpool Co., Springfield, O.
Vanduzen Steam Jet Pump, Patent Vertical Water Gauge. The E. W Vanduzen Co., Cincinnati, O.
Vanguard Automobile Wind Shields. Motor Products Corp., Detroit.
Vanguard Oils and Grease Cup Lubricators. Wm. Powell Co., Cincinnati, O.
Vanguard (Texaco) Lubricating Oil. The Texas Company, New York.
Vanishing Door Wardrobes. W. L. Evans, Washington, Ind.
Van-Sen Carbon Paper, Typewriter Ribbons. Typeribbon Mfg. Co., Chicago.
Vantage Kitchen Utensils. Rockford Metal Specialty Co., Rockford, Ill.
Vapo Marine Mufflers. Thos. Laughlin Co., Portland, Me.
Vapor System Heating Systems. Vapor Car Heating Co., Inc., Chicago.
Vaporine Cleaning and Polishing Compound. Vaporine Co., Chicago.
Vaporite Packing. A. W. Chesterton Co., Boston, Mass.
Vapor Tight Valves. Baker Valve Co., Minneapolis, Minn.
Varclad Doors. Variety Mfg. Co., Chicago.
Var Cloth Floor Oil Cloth. Geo. W. Blabon Co., Nicetown, Phila.
Variable Feed Rip Saws. E & B. Holmes Machinery Co., Buffalo, N. Y.
Varley Duplex Electro Magnets. Acme Wire Co., New Haven, Conn.
Variety Fire Doors. Variety Fire Door Co., Inc., Chicago.
Varitemp Metal Packing for Ammonia Rods. The Garlock Packing Co., Palmyra, N. Y.
Variotector Adjustable Fixed Detector. Foote Mineral Co., Inc., Phila.
Vario-Tenser Cat-Whiskers. Foote Mineral Co., Inc.; Philadelphia.
Varlife Varnish. Walter W. Longstreth, Inc., Rosemont, Ia.
Vari-Tint Name Plates and Seals. L. F. Grammes & Sons, Inc., Allentown, Pa.
Varnam Ox Bow Pins. Oc Sawyer, Sharon, Vt.
Varnice Polish. Robert B. Goff, Seattle, Wash.
Varnigo Paint and Varnish Removers. A. S. Boyle & Co., Cincinnati, O.
Varnol Acid-Proof Concrete Hardener. National Builders Co., Cleveland, O.
Varnisheen Furniture Polish. Puritan Soap Co., Rochester, N. Y.
Varnoil Metal Polish. Frank J. Le Doyen Co., Baltimore.
Varnolin Varnish. Armstrong Paint & Varnish Works, Chicago.
Varsity Bond Paper. H. Reeve Angel & Co., Inc., New York.
Vasco System of Suction Conveying Apparatus. The Vacuum Ash & Soot Conveyor Co., Newark, N. J.
Vasco Tool Steels. Vanadium-Alloys Steel Co., Latrobe, Pa.
Vaseline. Chesebrough Mfg. Co., New York.
Vasil Hand Locomotive Stoker. Vasil Steam Systems Co., Washington, D. C.
Vassal Hot Air Furnaces. Walter Mork, Berkeley, Calif.
Vassar Steam Heaters. Reading Stove Works, Reading, Pa.
Vater Water Softeners, Filters, Feed Water Heaters, Steam and Oil Separators. Power Plant Specialty Co., Chicago.
Vatudrip. American Rust Proof Co., New York.
Vaughan Anti-rail Creepers. Belle City Malleable Iron Co., Racine, Wis.
Vaughan Guard Rail Clamps. M. W. Supply Co., Philadelphia, Pa.
Vaughan Leather Gauges. Turner & Tanning Machinery Co., Peabody, Mass.
Vaughn Pattern Port Hole Augers. Eureka Digger Co., Chicago.
Vaughn Post Hole Augers. Seymour Mfg. Co., Seymour, Ind.
Vaughan Rail Anchor. The P. & M. Co., Chicago.
Vaughan Rail Anti-Creepers. The P. & M. Co., Chicago.
Vaughan Samson Rail Benders. M. W. Supply Co., Philadelphia, Pa
Vaughan Sight Indicating Flow Meters. Spray Engineering Co., Boston.
Vaughan Switch Heaters. M. W. Supply Co., Philadelphia, Pa.
Vaughan Tie Plate Guard Rail Fasteners. M. W. Supply Co., Philadelphia, Pa.
Vaughan's Individual Key Chain Rings. Vaughan Novelty Mfg. Co., Chicago.
Vaughan's Never Chip Stationery Bottle Openers. Vaughan Novelty Mfg. Co., Chicago.
Vaughan's Pilgrim Electrolytic Graphite Paint. Vaughan Paint Co. Cleveland, O.
Vaughan's Post Hole Augers. Iwan Bros., South Bend, Ind.
Veco Sweaters. Morgan Knitting Mills, Newark, N. J.
Vee Flex Fan Belts. Hide Leather & Belting Co., Indianapolis, Ind.
Vee Sol Fan Belts. Hide Leather & Belting Co., Indianapolis, Ind.
Veeder Speed Counters, Hub Odometers. The Veeder Mfg. Co., Hartford, Conn.
Veedol Motor Oils. Tide Water Oil Co., New York.
Veelos Belting. Manheim Mfg. & Belting Co., Manheim, Pa.
Vega (Texaco) Axle Grease. The Texas Co., New York.
Vegetal Liquid Soap. Northwest Chemical & School Supply Co., Spokane, Wash.
Vehisote Waterproof Fibre Board. The Pantasote Co., New York.
Vel Car Rubber Belting. New Jersey Car Spring & Rubber Co., Inc. Jersey City, N J.
Vel Chamee Polishing Cloths. John Ritzenthaler, New York.
Velgren Tracing Paper. Cardinell Vellum Mfg. Co., Montclair, N. J.
Velie Automobiles. Velie Motors Corporation, Moline, Ill.
Vellmo Shade Cloth. Talbert Whitmore Co., Los Angeles, Calif.
Vellum Tracing Paper. George Vincent, New York; Cardinell Vellum Mfg. Co., Montclair, N. J.
Vellumoid Gaskets and Packing. Fibre Finishing Co., Boston, Mass.
Velmo Velvets, Upholstery. L. C. Chase & Co., Boston.
Velmont Ship Water Closets. Thos. Laughlin Co., Portland, Me.
V-E-L-O Shaving Soap. Geo. H. Schafer & Co., Fort Madison, Iowa.
Velocity Leather Belting. Olmsted-Flint Company, Cambridge, Mass
Velocity Lubricating Oils and Greases. G. W. Gallaway, New York.
Velop Belting. Olmsted Flint Co., Cambridge, Mass.
Velour Tiles. American Encaustic Tiling Co., Ltd., New York.
Velox Dry Plates. Eastman Kodak Co., Rochester, N. Y.
Velox Grindstones, Sickel Grinders. Richards-Wilcox Mfg. Co., Aurora, Ill.
Velox Metal Polish. Manufacturers' Supplies Co., Philadelphia.
Velox Phosphor Bronze. A. Gilbert & Sons Brass Fdry. Co., St. Louis.
Velox Varnish, Enamel Polish. Continental Varnish Co., New York.
Velox Vises. Atlas Vise Co., Inc., Lowville, N. Y.
Ve-Lu-So Lighting Fixtures. King Mfg. Co., Detroit, Mich.
Velparch Tracing Paper. Cardinell Vellum Mfg. Co., Montclair, N. J.
Veltum's Pneumatic Valve Grinders. Veltum & Clow Mfg. Co., Eugene, Ore.
Velva Para Rubber Tape. Electrical Material Co., Chicago.
Velva Rubber Belting. N. J. Car Spring & Rub. Co., Jersey City, N.J.
Velvalite Flat Wall Paints. Briggs-Maroney Co., Everett, Mass.
Velvet Babbit Metal and Bearings. John Wigmore & Sons Co., Los Angeles, Calif.
Velvet Babbitt Metal. Cleveland Alloys Co., Cleveland.
Velvet Blacking Core Wash. Smith Facing & Supply Co., Cleveland.
Velvet Braided Hose, Air Drill Hose, Chemical Engine Hose. Electric Hose & Rubber Co., Wilmington, Del.
Velvet Cement, Hose, Packing, Starch and Valves. **Keasbey & Mattison Co.,** Ambler, Pa.
Velvet Cutting Compound. Advance Oil Co., Oil City, Pa.
Velvet Glider Noiseless Furniture Shoes. Drake Lock Nut Co., San Francisco.
Velvet Leather Belting. W. T. Shackley & Sons Co., Boston, Mass.
Velvet Oils, Greases and Boiler Compound. O'Neil Oil & Paint Co., Milwaukee, Wis.
Velvet Pencils. American Lead Pencil Co., New York.
Velvet Plain Step-Cut Piston Rings. Krasberg Piston Ring Co., Chicago.
Velvet Rubber Heels. Frank W. Whitcher Co., Boston, Mass.
Velvet Rubber Tiling and Mats. W. H. Salisbury & Co., Inc., Chicago.
Velvet Show Card Colors. Carter's Ink Co., Boston.
Velvet Thread Roller Skates. Chicago Roller Skates Co., Chicago.
Velvetine Luricating Oils and Greases. Climax Refining Co., Cleveland.
Velvetone Advertising Signs. Valvetone Poster Co., San Francisco.
Velvex Shingle Stains. Barrett Co., New York.
Velvo Enamel Paper. West Virginia Pulp & Paper Co., New York.
Velvo Milled Surfacer. Delta File Works, Philadelphia, Pa.
Velvolith Paint. Durex Chemical Corp., New York.
Vena Rubber Hose. Jno. W. Buckley Rubber Co., New York.
Venango Grease Cups. Keystone Lubricating Co., Philadelphia, Pa.
Veneer Wall Ties. Am. Rolling Mill Co., Middletown, O.
Venetia Red Rosin Sized Sheathing Paper. C. B. Hewitt & Bros., New York.
Veno Bathing Caps, Rubber Gloves. Star Rubber Co., Akron, O.
Ventiflex Automobile Goggles. Strauss & Buegeleisen, Brooklyn, N. Y.
Ventilare Ventilation Unit. Schaefer, Cuthbert, Chicago.
Ventilighter Vane Shades. Simon Ventilighter Co., Inc., New York.
Ventiplex Horse Collar Pads. Burlington Blanket Co., Burlington, Wis.
Ventnor Lawn Mowers. Chadborn & Coldwell Mfg. Co., Newburgh, N. Y.
Vento Heaters. Am. Radiator Co., Chicago.
Ventube Mine Ventilation Tubing. E. I. du Pont de Nemours & Co., Inc., Fabrikoid Division, Newburgh, N. Y.
Ventura Wall Fans. American Blower Co., Detroit, Mich.
Venturi Chemical Feed of Heat and Rate Controllers, Water Waste Detectors, Loss Gauges and Air, Brine, Chemical Solutions and Sewage Meters. Builders Iron Foundry, Providence, R. I.
Venturi Steam Condensers. Howes & Phillips Iron Works, Newark, N. J.
Venus Auto and Machine Oils. Star Oil Co., Chicago.
Venus Baths. Crane Co., Chicago.
Venus Cottonseed Oil Proctor & Gamble Co., Cincinnati, O
Venus Electric Car Headlights. Dayton Mfg. Co., Dayton, Ohio.
Venus Lamp Burners. Edw. Miller & Co., Meriden, Conn.
Venus Pencils. American Lead Pencil Co., New York.
Venus Radial Gas Heaters. Lawson Mfg. Co., Homestead, Pa.
Venus Steam Hose. O. C. Keckley Co., Chicago.
Veralastic Varnish Stain. R. F. Johnston Paint Co., Cincinnati, O.
Verde Unique Slate. Rising & Nelson Slate Co., West Pawlet, Vt.
Veribest Piston Rod Packing. Strong Mach. & Sup. Co., New York.
Veri-Best Pneumatic Air Hose. The Cleveland Pneumatic Tool Co., Cleveland, O.
Veribest V-crimp Roofing. Delphos Mfg. Co., Delphos, Ohio.
Veribest Water Power Washing Machines. Boss Washing Machine Co., Cincinnati, O.
Veriblack Pencils. Eagle Pencil Company. New York.
Verilife Medical Batteries. Knapp Elec. & Novelty Co., New York.
Vermarco Marble Dust and Lime. Vermont Marble Co., Proctor, Vt.
Vermin-go. Worrell Mfg. Co., St. Louis, Mo.
Vermont Churns. Vermont Farm Machine Co., Bellows Falls, Vt.
Vermont White Granite. Woodbury Granite Co., Hardwick, Vt.
Vermorel Hose Nozzles. Chas. S. Harder, Catskill, N. Y.
Vermorel Spray Nozzles. Goulds Mfg. Co., Seneca Falls, N. Y.; F. E. Myers & Bro., Ashland, O.; Deming Co., Salem, O.
Verna Baths. Crane Co., Chicago.
Vernicol Varnish Stain and Graining Compound, Concrete and Cement Coating. The Lowe Brothers Co., Dayton, O.
Vernon Cotton Hose. Mechanical Rubber Co., New York.
Vernon Vitroware Lavatory. Crane Company, Chicago.
Verona Seamless Poles. Valley Forging Co., Verona, Pa.
Verona Tools, Nut Locks, Track Jacks. Verona Tool Works, Pittsburgh, Pa.
Verosene Finish Wood Stains. Armstrong Paint & Varnish Works, Chicago.
Versailles Fuses. Central Railway Signal Co., Pittsburgh, Pa.
Verschoyle Pocket Transits. Taylor Instrument Companies, Rochester, N. Y.
Versies Flexible Conduits. Protectus Paint Co., Philadelphia.
Vertascope Pole Measuring Instruments. United Elec. Sup. Co., Marion, O.
Verte Antique Metal Finish. Toch Brothers, Inc., New York.
Vertex Expanding File Pockets. Bushnell Co., Alvah, Philadelphia, Pa.
Vertical Turret Lathes. Bullard Mach. Tool Co., Bridgeport, Conn.
Vertilex Desk Files. Yawman & Erbe Mfg. Co., Rochester, N. Y.
Verybest Loose Leaf Devices. Plew & Motter, Chicago.
Very Best Lug Straps. E. H. Jacob Mfg. Co., Danielson, Conn.
Vesta Batteries, Lamps and Generators. Vesta Accumulator Co., Chicago
Vesta R. R. Hand Lanterns. R. E. Dietz Co., New York.
Vesta Stoves and Ranges. Vesta Gas Range & Mfg. Co., Chattanooga, Tenn.
Vesta Storage Batteries, Magneto Generators, Rheostats, Etc. Vesta Battery Corp., Chicago.

Vestal Liquid Soap. Vestal Chemical Co., St. Louis.
Vestal Oil Lamps. Edw. Miller & Co., Meriden, Conn.
Vestal Sunshine Steam and Hot Water Heaters. Reading Scale & Machine Co., Reading, Pa.
Vestaline Insecticides. Vestal Chemical Co., St. Louis.
Vestarol Disinfectant. Vestal Chemical Co., St. Louis.
Vesurese Wire Rope and Coating and Lubricant. Swan & Finch Co., New York.
Vesuvius Class L, Class M. and Class H. Steam Traps. Nason Mfg. Co., New York.
Vesuvius Melting Furnaces. Davis Mach, Tool Co., Rochester, N. Y.
Vesuvius Packing. Squires & Byrne Rubber Co., San Francisco.
Vesuvius Pyrites Burners. Valley Iron Works Co., Appleton, Wis.
Vesuvius Spark Plugs. A. R. Mosler & Co., Mt. Vernon, N. Y.
Vesuvius Steam Traps. Valle & Kimes, Dayton, O.
Veteran (Texaco) Lubricating Oil. The Texas Co., New York.
Vexen Fly Swatters. U. S. Wire Mat Co, Decatur, Ill.
Viaduct Paints. Briggs Bituminous Composition Co., New York.
Vibra-Jig Coke Screens. R. H. Beaumont Company, Philadelphia, Pa.
Vibrating Screens. Schaffer Poidometer Co., Pittsburgh, Pa.
Vibro-Life Massage Vibrator. Eureka Vibrator Co., New York.
Vicar Steel. Victor E. Karminski & Co., Inc., New York.
Vice Admiral Pumps. Goulds Mfg. Co., Seneca Falls, N. Y.
Viche Safety Toe Board. The Viche Safety Toe Board Co., Duluth, Minn.
Vicking Babbitt Metal. Thos. F. Lukens Metal Co., Philadelphia, Pa.
Vico Lubricating Oils and Greases. Utah Oil Refining Co., Salt Lake City, Utah.
Vico Roach Powder; Handy Guns. Enoz Chemical Co., Chicago.
Victolac Wood Preservative and Insulating Compound. L. S. Brach Supply Co., New York.
Victor Acetylene Generators and Light Systems. Moore Bros. Lightning Rod Co., Maryville, Mo.
Victor Adding Machines. Victor Adding Machine Co., Chicago.
Victor Adjustable Standards and Brackets. Knape & Vogt Mfg. Co., Grand Rapids, Mich.
Victor Air Tight Heaters. A. Geisel Mfg. Co., St. Louis.
Victor Air Valves. G. M. Davis Regular Co., Chicago.
Victor Ale Pumps. Victor Elec. Co., Chicago.
Victor Alligator Wrenches. Kraeuter & Co. (Inc.), Newark, N. J.
Victor Animal Pokes. Hughes & Smythe, Galena, O.
Victor Auto Lamps. The Corcoran-Victor Co., Cincinnati, O.
Victor Automobile Headlights. Cincinnati Victor Co., Cincinnati, O.
Victor Automobile Horns. American Electric Co., Chicago.
Victor Battery Box Handle. Beehler Steel Products Co., St. Louis, Mo.
Victor Barbers Hair Clippers. Coates Clipper Mfg. Co., Worcester, Mass.
Victor Bearings, Bushings, Babbitt Metal and Solder. Victor Bearings Co., Inc., Indianapolis, Ind.
Victor Belt Dressing. Eagle Oil & Supply Co., Boston.
Victor Belt Lacing Belt Cements. New York Leather Belting Co., New York; Missouri Belting Co., St. Louis.
Victor Belting, Cement Gaskets, Hose, Packing, Valves. Mulconroy Co., Philadelphia, Pa.; Victor-Balata Textile Belting Co., New York.
Victor Boiler Tube Cleaners. Liberty Mfg. Co., Pittsburgh.
Victor Bolt or Rivet Clippers. Roberts Mfg. Co., Somerville, Mass.
Victor Bottle Stoppers and Lemon Squeezers. Taplin Mfg. Co., New Britain, Conn.
Victor Brooms and Brushes. Joseph Lay Co., Ridgeville, Ind.
Victor Capstans. Wilcox, Crittenden & Co., Inc., Middletown, Conn.
Victor Car Movers. Handlan-Buck Mfg. Co., St. Louis.
Victor Car Replacers. U. S. Metal & Mfg. Co., New York.
Victor Carbide Miners' Lamps. Justrite Mfg. Co., Inc., Chicago.
Victor Casters. Foster, Merriam & Co., Meriden, Conn.
Victor Cheese Presses. Creamery Package Mfg. Co., Chicago.
Victor Chucks, Gaskets, Nut Machinery and Collapsible Taps. Victor Tool Co., Waynesboro, Pa.
Victor Coal and Gas Stoves. Victor Stove Co., Salem, Ohio.
Victor Cold Storage Doors and Ice Recording Chutes. R. E. Jones, Hagerstown, Md.
Victor Corn Sheller and Corn Sheller and Cleaner Combined. Barnard & Leas Manufacturing Co., Moline, Ill.
Victor Cotton Planters. Kingman Plow Co., Peoria, Ill.
Victor Creamery Churns. Oakes & Burger Co., Cattaraugus, N. Y.
Victor Cultivators. Hayes Pump & Planter Co., Galva, Ill.; International Harvester Company of America, Inc., Chicago.
Victor Deep Hole Drilling Machines. The International Engineering Co., Cleveland, O.
Victor Delay Electric Blasting Caps and Igniters. Hercules Powder Co., Wilmington, Del
Victor Desk Telephone Brackets. Stanley & Patterson, New York.
Victor Door Hangers. Victor Mfg. Co., Newburyport, Mass.
Victor Door Hangers, Grindstones. Richards-Wilcox Mfg. Co., Aurora, Ill.
Victor Electric Bells. Electric Goods Mfg. Co., Canton, Mass.
Victor Ensilage Cutters. Foster & Williams Mfg. Co., Racine, Wis.
Victor Feed Cutters. Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Victor Feed Water Heaters. Wm. Allen & Sons Co., Worcester, Mass
Victor Fire Brick. Eureka Fire Brick Works, Pittsburgh, Pa.
Victor Fire Hose. Mechanical Rubber Co., Cleveland, O.
Victor Flour Sieves. Wickwire Spencer Steel Corp., Worcester, Mass.
Victor-Francis Turbines. Worthington Pump & Machinery Corporation, New York.
Victor Fuse. E. I du Pont de Nemours & Co., Inc., Explosives and Smokeless Powder Depts., Wilmington, Del.
Victor Garden Cultivators. American Rake & Hoe Co., Cleveland, O.
Victor Garden Harrows. Kilbourne & Jacobs Mfg. Co., Columbus, O.
Victor Garden Rakes. Cronk & Carrier Mfg. Co., Elmira, N. Y.
Victor Gaskets. Victor Mfg. & Gasket Co., Chicago.
Victor Gate Valves. Lunkenheimer Co., Cincinnati, O.
Victor Grass Catchers. R. F. Krause, Zion City, Ill.
Victor Hack Saw Machines. Strong, Carlisle & Hammond Co., Cleveland, O.
Victor Hack Saw. Victor Saw Works, Inc., Middletown, N. Y.
Victor Ham Presses. Wolf, Sayer & Heller, Chicago.
Victor Hay Carriers. Louden Machy. Co., Fairfield, Ia.
Victor Horse Brushes. Jos. Lay Co., Ridgeville, Ind.
Victor Hose. Pioneer Rubber Mills, San Francisco, Cal.
Victor Hot Air Furnaces. W. G. McPherson Co., Portland, Ore.
Victor Hydrogen Generators. International Oxygen Co., New York
Victor Imperial Sand Papering Machinery. Moore Carving Mach. Co. Minneapolis, Minn.
Victor Insulators. Locke Insulator Mfg. Co., Victor, N. Y.
Victor Jacket Fire Hose and Spiral Packing. Pioneer Rubber Mills, San Francisco, Calif.
Victor Journal Bearings. Modern Die & Tool Co., Indianapolis, Ind.
Victor Lace Leather. Missouri Belting Co., St. Louis, Mo.
Victor Lamp Burners. Edw. Miller & Co., Meriden, Conn.
Victor Lanterns. R. E. Dietz Co., New York.
Victor Lawn and Balcony Clothes Dryers. Victor Dryer Co., Worcester, Mass.
Victor Lawn Mowers. F. & N. Lawn Mower Co., Richmond, Ind.; S. P. Townsend & Co., Orange, N. J.
Victor Lubricating Oils and Greases. Swan & Finch Co., New York.
Victor Mail Boxes. Kelly Fdry. & Mach. Co., Goshen, Ind.
Victor Metal Key Faucet. John Sommer Faucet Co., Newark, N. J.
Victor Metal Shingles. Montross Metal Roofing Co., Camden, N. J.
Victor Metal Waste Baskets. Metal Office Equipment Co., Grand Rapids, Mich.
Victor Metal Welding and Cutting Equipment. Victor Oxy-Acetylene Equipment, San Francisco, Cal.
Victor Mitre Boxes. J. C. McCarty & Co., New York.
Victor Mouse and Rat Traps. Animal Trap Co., of America, Lititz, Pa.
Victor Night Latches. Huber Mfg. Co., New York.
Victor Non-Corrosive Silver Metals and Vanadium Bronze. J. Rogers Flannery Co., Pittsburgh, Pa.
Victor Nut Pacers. Victor Tool Co., Waynesboro, Pa.
Victor Oil Cups and Gate Valves. The Lunkenheimer Co., Cincinnati, O.
Victor Paper Caps. Standard Envelope Co., New York.
Victor Piston Packing. Montgomery Bros., Inc., Philadelphia, Pa.
Victor Platform Trucks and Truck Wheels. Victor Truck Co., Johnsonburg, Pa.
Victor Pliers. Kraeuter & Co., Newark, N. J.
Victor Polish. City Music Co., Detroit, Mich.
Victor Polish, Enamels, Radiator Compounds, Top Dressing, Etc. Victor Chemical Co., Los Angeles, Cal.
Victor Portland Cement. Southwestern Portland Cement Co., El Paso, Texas, and Victorville, Cal.
Victor Positive Pressure Blowers. Connersville Blower Co., Connersville, Ind.
Victor Projectors. Victor Animatograph Co., Davenport, Ia.
Victor Pumps. The F. E. Meyers & Bro., Ashland, O.
Victor Punches and Shears. Armstrong Mfg. Co., Waterloo, Ia.
Victor Punches and Shears (Hand Power). Novelty Iron Works. Dubuque, Ia.
Victor Railway Track Drills. Isaac G. Johnson & Co., New York.
Victor Reducing Wheels. Jas. L. Robertson & Son, New York.
Victor Regulators. Atlas Valve Company, Newark, N. J.
Victor Riveting Machines. F. H. Smith Mfg. Co., Chicago.
Victor Rivets. Champion Rivet Co., Cleveland, O.
Victor Road Scrapers. American Steel Co., Sidney, O.
Victor Rules, Mitre Boxes. Stanley Rule & Level Co., New Britain, Conn.
Victor Safes and Vault Doors. Safe-Cabinet Co., Marietta, O.
Victor Sanitary Churn. Columbian Mail Crane Co., Columbus, O.
Victor Saw Gummers. Henry Disston & Sons, Philadelphia.
Victor Scales. (Repairs only.) Fairbanks, Morse & Co., Chicago.
Victor Shade Cloth. Western Shade Cloth Co., Chicago.
Victor Shears. Acme Shear Co., Bridgeport, Conn.
Victor Sheepskin Wheels. E. Reed Burns, Brooklyn, N. Y.
Victor Ship Water Closets. Thos. Laughlin Co., Portland, Me.
Victor Sliding Furniture Caster. Victor Caster Co., Bridgeport, Conn.
Victor Solid Tires. Victor Rubber Co., Springfield, O.
Victor Steam and Oil Separators. Scott Valve Co., Chicago.
Victor Steam Shovels. Toledo Foundry and Machine Co., Toledo, O.
Victor Steam Traps. Wright-Austin Co., Detroit, Mich.
Victor Step-Ladders. Rich Pump Co., Cincinnati, O.
Victor Storage Batteries and Spark Plugs. Milwaukee Auto Specialty Co., Milwaukee, Wis.
Victor Stripe Awning Cloth. Wm. W. Stanley, New York.
Victor Tin Hand Lanterns. R. E. Dietz Co., New York.
Victor Tire Air Pumps. Judd & Leland Mfg. Co., Clifton Springs, N. Y.
Victor Tools, Nut Facing Machinery. Victor Tool Co., Waynesboro, Pa.
Victor Typewriters. Victor Typewriter Sales Co., Scranton, Pa.
Victor Vanadium Bronze. J. Rogers Flannery & Co., Pittsburgh, Pa.
Victor Vises. Chas. Parker Co., Meriden, Conn.
Victor Wagon Jacks. Covert Saddlery Works, Interlaken, N. Y.
Victor Warm Air Furnaces. Hall-Neal Furnace Co., Indianapolis, Ind.
Victor Water Closets. Pierce, Butler & Pierce Mfg. Corp., New York.
Victor Water Heaters. S. V. Reeves, Philadelphia.
Victor Water Tube Expanders. Gustav Wiedeke & Co., Dayton, O.
Victor Water Wheels. Platt Iron Works, Co., Dayton, O.
Victor Weather Strips. Victor Partingbead Co., Reading, Pa.
Victor Wedge Disc Gate Valves. Lunkenheimer Co., Cincinnati, O.
Victor Well Buckets. Richmond Cedar Works, Richmond, Va.
Victor White Metal Polish. General Platers' Supply Co., Brooklyn, N. Y.
Victor Wire Fences. Dwiggins Wire Fence Co., Anderson, Ind.
Victor Wrenches. Kraeuter & Co., Newark, N. J.
Victor Zig-Zag Rules. Stanley Rule & Level Co., New Britain, Conn.
Victoria Brooms. Deshler Broom Factory, Deshler, Neb.
Victoria Brackets. J. B. Wise, Watertown, N. Y.
Victoria Pink Marble. Victoria Marble Co., Knoxville, Tenn.
Victoria Copying Presses. Regina Co., New York.
Victoria Elec. Washing Machines. Utilities Corp., Alpena, Mich.
Victoria Keene's Cement. Clifford L. Miller & Co., New York.
Victoria Lawn Mowers. American Lawn Mower Co., Muncie, Ind.
Victoria Liquid Soap. F. S. Walton Co., Philadelphia.
Victoria Metal Shingles. Cortright Metal Roofing Co., Philadelphia.
Victoria Paris White. H. F. Taintor Mfg. Co., New York.
Victoria Gray Marble. Victoria Marble Co., Knoxville, Tenn.
Victoria Reclaimed Rubber. U. S. Rubber Reclaiming Wks., N. York.
Victoria Row-Locks. Wilcox, Crittenden & Co., Inc., Middletown, Conn.; Thos. Laughlin Co., Portland, Me.
Victoria Venetian Blinds, Window Screens. Bostwick-Goodell, Norwalk, O.
Victory Axes. Dunn Edge Tool Co., Oakland, Me.
Victory Belting. New York Leather Belting Co., New York.
Victory Cloth Wheels. A. P. Munning & Co., New York.
Victory Core Oils. Swan & Finch Co., New York.
Victory Cow Milking Machines. Starch Bros. Co., La Crosse, Wis.
Victory Felt, Buffing and Polishing Wheels. Eastern Felt Co., Winchester, Mass.
Victory Fertilizer Distributors. Southern Plow Co., Columbus, Ga.
Victory Grantone Radio Apparatus. Victory Radio-Electric Co., San Francisco, Cal.
Victory Junior Power Sprayer. Deming Co., Salem, O.
Victory Leather Belting. Norwich Belt Mfg. Co., Norwich, Conn.
Victory Lubricating Oils and Greases. Wm. P. Miller Co., Chicago.
Victory Padlocks. E. T. Fraim Lock Co., Lancaster, Pa.
Victory Power Sprayer. Deming Co., Salem, O.
Victory Slicers. Tucker & Dorsey Mfg. Co., Indianapolis, Ind.

Victory Stamp Pads and Stamp Inks. Victory Specialty Co., Newark, N. J.
Victory Varnish. Nubian Paint & Varnish Co., Chicago.
Victory Vellum Tracing Paper. George Vincent, New York.
Victory Wall Finish. The Muralo Co., New Brighton, N. Y.
Viduet Brass Engine Lubricators. Wm. Powell Co., Cincinnati, O.
Vienna Bakers' Oven Doors. Chas. Robson & Co., Philadelphia.
Vienna Lime. A. P. Munning & Co., Matawan, N. J.
Vigilant Electric Tail Lamp. R. E. Dietz Co., New York.
Vigilant Feed Water Regulators. Chaplin-Fulton Mfg. Co., Pitts.
Vigilant Fire Hose. Revere Rubber Co., Chelsea, Mass.
Vigilant Jig Plunger. Wilmot Engineering Co., Hazleton, Pa.
Vigilant Water Columns. Lunkenheimer Co., Cincinnati, O.
Vigilent Bells. Edwards & Co., Inc., New York.
Vigo Belting and Hose. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Vigoret Gummed Tape and Stencil Boards. California Binding Co., San Francisco.
Vigorite Powder. Giant Powder Co., San Francisco, Cal.
Viking Babbitt Metal. Thos. F. Lukens Metal Co., Philadelphia.
Viking Belt and Hose. W. H. Salisbury & Co., Inc., Chicago.
Viking Belting. New York Leather Belting Co., New York.
Viking Bench Shears. Viking Shear Co., Inc., Erie, Pa.
Viking Cooking Stoves. Odin Stove Mfg. Co., Erie, Pa.
Viking Leather Belting. Shultz Belting Co., St. Louis, Mo.
Viking Lubricators. Wm. Powell Co., Cincinnati, O.
Viking Oil Circulating Pumps. Cleveland Universal Parts Co., Cleveland, O.
Viking Packing. Manhattan Rubber Mfg. Co., Passaic, N. J.
Viking Pig Iron. Carbon Furnace Co., Ltd., Mauch Chunk, Pa.
Vi-King Pneumatic Tools. The King Pneumatic Tool Co., Chicago.
Viking Rotary Pumps. The Schirmer-Frensdorf Co., Cleveland, O. Squire-Cogswell Co., Chicago.
Viking Shears. Whitney Metal Tool Co., Rockford, Ill.
Viking Transformers. Viking Electric Co., New York.
Viko Aluminum Ware. Aluminum Goods Mfg. Co., Manitowoc, Wis
Village Blacksmith Knives and Tools. The Village Blacksmith Folks, Watertown, Wis.
Villard Conduits, Wiring and Cleaning Rods. James S. Barron & Co., New York.
Viloco AL-150 Triple Sanders; Automatic Rail Washers; Automatic Sand Dryers; Bell Ringer Throttle Valves; Bell Ringers; Duplex Engineers' Valves; Improved Gollmar Bell Ringers; Lead-Lined Sanders; Malleable Iron Brake Steps; Pressed Steel Brake Steps; Portable Painting Machine; Speed Indicator Drives; Uncoupling Lever Attachments; Warner Autometers. Harry Vissering & Co., Chicago.
Vilter Tandem Compound Engine. Vilter Mfg. Co., Milwaukee, Wis.
Vim Agricultural Steam Engines. Ames Iron Works, (Div. of Pierce, Butler & Pierce Mfg. Corp.), Oswego, N. Y.
Vim Bronze Metal Bearings. Bronze Metal Co., New York.
Vim Corn Broofs. Universal Broom Co., Chattanooga, Tenn.
Vim Force Pumps. Goulds Mfg. Co., Seneca Falls, N. Y. The Barnes Mfg. Co., Mansfield, O.
Vim Gas Igniters, Spark Plugs. K-W Ignition Co., Cleveland, O.
Vim Hose. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Vim Leather Belting, Washers, Packings. E. F. Houghton & Co., Philadelphia.
Vim Motors. Vim Motor Mfg. Co., Sandusky, O.
Vim-Oak Leather Belting. E. F. Houghton & Co., Philadelphia, Pa.
Vim Violet Rays. Empire Electric Co., Inc., Los Angeles.
Vincent Adjustable Steering Wheel. Vincent Slear-Room Steering Wheel Co., Detroit, Mich.
Vincent Belting. L. H. Gilmer Co., Philadelphia.
Vincent Gears. Vincent Steel Process Co., Detroit, Mich.
Vincent's Tracing Paper. George Vincent, New York.
Vine-Woven Bricks. Acme Brick Co., Cayuga, Ind.
Vineyard Gang Plows. Parlin & Orendorff Co., Canton, Ill.
Vintax Dry Paste. The Reardon Company, St. Louis, Mo.
Vinton Aluminum Cooking Utensils. Vinton Co., Portland, Ore.
Violet Boiler Compound. Wm. L. McLellan, Norwalk, Conn.
Violetta Violet Rays. Bleadon-Dun Co., Chicago.
Viraloy Aluminum Alloys. United Smelting & Aluminum Co., New Haven, Conn.
Vi-Ray-O Therapeutic Lamps. West. Coil & Elec. Co., Racine, Wis.
Virdex Bristol Paper. West Virginia Pulp and Paper Co., New York.
Virgin Paint. Carpenter-Morton Co., Boston, Mass.
Virgin White Enamel. Thompson & Co., Pittsburgh, Pa.
Virginia Cook Stoves. B. C. Bibb Stove Co., Baltimore, Md.
Virginia No. 1 Leather Belting. The Virginia Leather Co., Richmond, Va.
Virginia Oil Cans. Wheeling Corrugating Co., Wheeling, W. Va.
Virkotype Embossing Machines. Wood & Nathan Co., New York.
Virtue Air Pumps. Brown Co., Syracuse, N. Y.
Viruco Packing. Victor Rubber Co., Springfield, O.
Visco Can Filling Machines. Kare Kiefer Mach. Co., Cincinnati, O.
Visco Hack Saws. Burroughs Tool Co., Inc., New York.
Visco Oils and Greases. Producers' Refining Co., Bakersfield, Cal.
Visco-Meter Oil Circulating Thermometers. Wm. Akers Jr. Co., Phila.
Viscol Leather Preservative. Viscol Co., Cambridge, Mass.
Viscolac for Clear Pyroxylin Finish on Wood or Metal. E. I. du Pont de Nemours & Co., Inc., Chemical Products Division, Parlin, N. J.
Viscoproof Leather Belting. H. F. Whiting, Lowell, Mass.
Viscos Auto Oils; Dense Oil Lubricant. National Oil & Supply Co., Newark, N. J.
Viscosity B. B. Lubricating Compound. Viscosity Oil Co., Chicago.
Viscosity Drawing Compounds. Swan & Finch Co., New York.
Vise Paper Clips and Signals. H. C. Cook Co., Ansonia, Conn.
Visible Gasoline Pumps, Tanks and Oiling Systems. Visible Pump Co., Inc., The, Fort Wayne, Ind.
Vismera Rust Resisting Iron. Inland Steel Co., Chicago.
Visualizing Loose-Leaf Equipment. Visible Records Equipment Co., Chicago.
Vita Bestos Brake Linings. S. Flory Mfg. Co., Bangor, Pa.
Vital Spark Plugs, Vacuum Cleaners. Vital Mfg. Co., Cleveland, O.
Vitalic Bicycle and Auto Tires, Tubes and Accessories. Continental Rubber Works, Erie, Pa.
Vita-Lite Engine Pistons. Ideal Bronze Co., Cleveland, O.
Vitalum Grinding Wheels. The Vitrified Wheel Co., Westfield, Mass.
Viteosil Pyrometer Tubes. Thermal Syndicate, Ltd., New York.
Vitex Roofing. Barrett Co., New York.
Vitio Closet Seats. James M. Teahen, Detroit, Mich.
Vitralite Enamels. Pratt & Lambert, Inc., Buffalo, N. Y.
Vitrawite Enamels. Flood & Conklin Co., Newark, N. J.
Vitray Brass Engine Lubricators. Wm. Powell Co., Cincinnati, O.
Vitrefrax Brick. Vitrefrax Co., Inc., Los Angeles, Cal.
Vitreo Enameled Pans, Trays, Etc. Vitreous Enameling Corp., Cleveland, O.
Vitreo Lavatories and Fittings. Haines, Jones & Cadbury Co., Phila.
Vitreo White Porcelain Table Tops. Vitreous Steel Products Corporation, Cleveland, O.
Vitreosil Laboratory Apparatus and Supplies. Thermal Syndicate, Ltd., New York.
Vitribestos Insulation. Johns-Manville, Incorporated, New York.
Vitric Chemical Stoneware. Acid Proof Clay Products Co., Akron, O.
Vitridampproofing—Exterior and Interior. The Vitrifyx Co., Chicago.
Vitrified Grinding Wheels. Vitrified Wheel Co., Westfield, Mass.
Vitrifyl Wood Preservative. The Vitrifyx Co., Chicago.
Vitrifyx Concrete Floor Hardener and Paints. The Vitrifyx Co., Chicago.
Vitrimix Anti-Freeze. The Vitrifyx Co., Chicago.
Vitristone Spark Plugs. Emil Grossman Mfg. Corp., Brooklyn, N. Y.
Vitro Fire Felt Insulation. Johns-Manville, Incorporated, New York.
Vitro Marble. Marietta Mfg. Co., Indianapolis, Ind.
Vitro Water Closets, Water Closet Tanks. James M. Teahen, Detroit.
Vitrocrete Concrete Floor Hardener. The Wills Products Co., New York.
Vitrohm Resistor Units; Rheostats; Motor Starters. Ward Leonard Electric Co., Mt. Vernon, N. Y.
Vitrolac Varnishes for All Purposes. du Pont E. I. de Nemours & Co. (Paint and Varnish Sales Div.), Wilmington, Del.
Vitrolite Counter and Table Tops, Display Stands, Shelving, Toilet Partitions, Wainscoting and Wall Surfacing. The Vitrolite Company, Chicago.
Vitro-Mastic Composition. Vitrifyx Co., Chicago.
Vivene Liquid Fertilizer. Forbes Chemical Co., San Francisco, Cal.
Vivian Rate Controllers. Norwood Engineering Co., Florence, Mass.
Vixen Disinfectant. Andrew P. Padgett, Augusta, Ga.
Vixen Files. Vixen Tool Co., Newark, N. J.
Vixen Wrenches. Bonney Forge & Tool Works, Allentown, Pa.
Viz-Spark Spark Plugs. Visible Spark Plug Co., Pittsburgh, Pa.
Vizor Self Closing Oilers. Brown Spring Oiler Co., Cleveland, O.
Vlaarite Paints. Oakley Varnish Co., Los Angeles, Cal.
Vlchek Chisels, Punches, Pliers, Tools, Wrenches, Hatchets and Riveting Hammers. Vichek Tool Co., Cleveland, O.
Vogel Ground Clamps. Fairmount Electric & Mfg. Co., Phila., Pa.
Vogt Brothers Hand Stokers; Pumps. Vogt Brothers Mfg. Co., Inc., Louisville, Ky.
Vogt Water Tube Boilers. Henry Vogt Machine Co., Louisville, Ky.
Vcko Sheet Packing. Hamilton Rubber Mfg. Co., Trenton, N. J.
Volbrath Sinks and Trays. Volbrath Co., Sheboygan, Wis.
Volcanic Kitchen Enameled Ware. Cleveland Stamping & Tool Co., Cleveland, O.
Volcano Caboose and Car Stoves. Buda Co., Harvey, Ill.
Volcano Cement. Wm. J. Gravert, Long Island City, N. Y.
Volcano Fire Hose. O. C. Keckley Co., Chicago.
Volcano Grinding Compound. D. R. Hawes, Los Angeles, Cal.
Volcano Lawn Sprinklers. W. D. Allen Mfg. Co., Chicago.
Volcano Steam Heaters, Water Tube Heaters. Harrisburg Mfg. & Boiler Co., Harrisburg, Pa.
Volger Marking Inks. B. C. Volger Mfg. Co., Passaic, N. J.
Vol-Ka-No Building Paints. Black Diamond Mfg. Co., Cincinnati, O.
Volki Metal Polish. Brewer & Co., Worcester, Mass.
Voller Automobile Horns. Post & Lester Co., Hartford, Conn.
Vollrath Enameled Ware. The Vollrath Co., Sheboygan, Wis.
Volt Leather Transmission Belting. Hide, Leather and Belting Co., Indianapolis, Ind.
Voltaeggshell-Whitest Mill White Paint. Voltax Co., Bridgeport, Conn.
Voltaflat-Whitest Mill White Paint. Voltax Co., Bridgeport, Conn.
Voltagloss-Whitest Mill White Paint. Voltax Co., Bridgeport, Conn.
Voltalac Insulating Varnish. Standard Varnish Co., New York.
Voltax Armature and Field Coils, Insulated Wire, Insulating Compounds, Magnet Wire, Weatherproof Wire. Electric Cable Co., Bridgeport, Conn.
Voltz Automobile Wind Shields. Limousine-Carriage Mfg. Co., Ch'go.
Voludrip Waterproof Oil. American Rust Proof Co., New York.
Volume Pumps. Fulflo Specialties Co., Blanchester, O.
Volunteer Boilers and Bronzes. Wm. H. Page Boiler Co., New York.
Volunteer Cultivators. International Harvester Company of America, Inc., Chicago.
Volunteer Fire Hose. Cornelius Callahan Co., Boston, Mass.
Volunteer Heating, Steam and Hot Water Boilers, Tank Heaters. H. Page Boiler Co., New York
Volunteer Packing. The Diamond Rubber Co., Inc., Akron, O.
Volunteer Steam and Water Boilers. James B. Clow & Sons, Chicago.
Volunteer Steel Ranges. Tenn. Stove Co., Chattanooga, Tenn.
Volyum Coolant Pump. The Volyum Pump Co., Cincinnati, O.
Volyum Coolout Pumps Special Machinery. Smith & Johnson Mfg. Co., Cincinnati, O.
Vom Baur Electric Furnace. C. H. Vom Baur, New York.
Von Boden-Ingles Oil Burner. E. S. Sullivan Co., San Francisco, Cal.
Von Duprin Self Releasing Fire Exit Devices. Vonnegut Hdw. Co., Indianapolis, Ind.
Von Todenworth Torch. Atlas Welding Works, Rahway, N. J.
Von Webern Wood Graining Machines. Vance Manufacturing Co., Dayton, O.
Vonca Automobile Polish. Western Chemical Products Co., Los Angeles, Cal.
Vonnegut Motor Driven Wood Moulder. Vonnegut Machinery Co., Indianapolis, Ind.
Vorca Paint. Vortex Mfg. Co., Cleveland, O.
Vorite Rubber Substitutes. Pierce Co., East Rochester, N. Y.
Vortex Carburetors. Fowler Lamp & Mfg. Co., Chicago.
Vortex Centrifugal Pumps. Lawrence Pump & Engine Co., Lawrence, Mass.
Vortex Dish Washing Machines. Hamilton-Low Co., Jersey City, N. J.
Vortex Paint and Whitewash Spraying Machine. Vortex Mfg. Co., Cleveland, O.
Vortex Paper Cups. Vortex Mfg. Co., Chicago.
Vortex Urinals. Crane Co., Chicago.
Vosburg Floor and Ceiling Plates. N. O. Nelson Mfg. Co., St. Louis, Mo.
Vosper Pipe Cutters. Toledo Pipe Threading Machine Co., Toledo, O.
Voss Water Motor Washing Machines. Voss Bros. Mfg. Co., Davenport, Ia.
Vrane Brand Pocket Knives. Max Klaas, New York.
Vrooman's Sink Strainers. The Washburn Co. (Andrews Division), Rockford, Ill.
Vudor Porch Saddles. Hough Shade Corporation, Janesville, Wis.
Vulca Patch Tube Patches. Vulca Laboratories, San Francisco, Cal.
Vulcabeston Air Pump Packing. Concave and Molded Flange Gaskets, Molded Gaskets, Sheet Packing, Pump Valves, Rope Packing, Union Washers, Valve Bonnet Gaskets, Washers and Insulating Sheets. Johns-Manville, Incorporated, New York.
Vulcabeston Packing and Pump Valves. Johns-Pratt Co., Hartford, Conn.

Vulcafibron Packing. C. W. Trainer Mfg. Co., Boston, Mass.
Vulcalun Safety Star Treads. American Abrasive Metals Co., New York.
Vulcan Adjustable Roller Cradles and Kilns. Vulcan Iron Works, Wilkes-Barre, Pa.
Vulcan Air Compressor Lubricators. Lunkenheimer Co., Cincinnati, O.
Vulcan Anvils, Tire and Axle Shrinkers. Illinois Iron & Bolt Co., Carpentersville, Ill.
Vulcan Auto Tools, Caliper Gauges, Clamps, Eye Bolts, Hoist Hooks, Lathe Dogs, Clamp Dogs, Milling Machine Dogs, Swivels, Tool Holders, Clamp and Mount Vise, Wire Rope Sockets, Wrenches. J. H. Williams & Co., Buffalo, N. Y.
Vulcan Automobile Springs. Jenkins Vulcan Spring Co., Richmond, Ind.
Vulcan Axe and Scythe. Kelly Axe Mfg. Co., Charleston, W. Va.
Vulcan Babbitt Metal. North American Smelting Co., Philadelphia.
Vulcan Belt Dressing. Goodyear Rubber Hose & Packing Co., Phila.
Vulcan Bench Shears. Merwin Mfg. Co., Erie, Pa.
Vulcan Blasting Powder and Dynamite. Puget Sound & Alaska Powder Co., Seattle, Wash.
Vulcan Brake Shoes, Trucks. Vulcan Mfg. Co., Seattle, Wash.
Vulcan Carbon Tool Steel. Vulcan Crucible Steel Co., Aliquippa, Pa
Vulcan Coat and Hat Hooks. Wickwire Spencer Steel Corp., N. York; Parker Wire Goods Co., Worcester, Mass.
Vulcan Coffee Percolators, Soldering Irons, Wax Melters. Vulcan Electric Heater Co., New York.
Vulcan Corrugated Steel Car End. Chicago-Cleveland Car Roofing Co., Chicago.
Vulcan Denver Hoists and Irrigation Gates. Vulcan Iron Works, Denver, Colo.
Vulcan Drag Scrapers. Sidney Steel Scraper Co., Sidney, O.
Vulcan Electric Tools. Vulcan Electric Heating Co., New York.
Vulcan Fire Alarm Signal Boxes. J. H. Bunnell Co., New York.
Vulcan Fire Extinguishers. Knight & Thomas, Boston, Mass.
Vulcan Foot Power Hammers. Vulcan Iron Works Co., Mason City, Iowa.
Vulcan Force Pumps. Crestline Mfg. Co., Crestline, O.
Vulcan Forgings. Vulcan Steam Forging Co., Buffalo, N. Y.
Vulcan Foundry Blacking, Core Wash. J. S. McCormick Co., Pittsburgh.
Vulcan Furnace Pipe and Fittings. Waverly Heating & Supply Co., Boston, Mass.
Vulcan Gas Engines. Vulcan Engine Works, Philadelphia, Pa.
Vulcan Gasoline and Oil Hose. International Metal Hose Co., Inc., Cleveland, O.
Vulcan Gasoline Blow Torches. Otto Bernz, Newark, N. J.
Vulcan Hand Forks. Union Fork & Hoe Co., Columbus, O.
Vulcan High Pressure Gauge Glass. Advance Packing & Supply Co., Chicago.
Vulcan Hoists. Vulcan Iron Works, Wilkes-Barre, Pa.
Vulcan Horse Nails. Fowler & Union Horse Nail Co., Buffalo, N. Y.
Vulcan Hose, Packing. Empire Tire & Rubber Corp., Trenton, N. J.
Vulcan Ink Tablets. Ullrich & Co., J., New York.
Vulcan Iron. Lockhart Iron & Steel Co., Pittsburgh, Pa.
Vulcan Jack Screws. Illinois Iron & Bolt Co., Carpenterville, Ill.
Vulcan Leather Belting. S. R. Sikes Co., Minneapolis, Minn.
Vulcan Linen Ledger Paper. Carew Mfg. Co., S. Hadley Falls, Mass.
Vulcan Locomotives. Vulcan Iron Works, Wilkes-Barre, Pa.
Vulcan Metaling Pots; Gas Appliances. W. M. Crane Co., New York.
Vulcan Oxy-Acetylene Apparatus and Supplies. Vulcan Process Co., Minneapolis, Minn.
Vulcan Packing. New York Belting & Packing Co., New York; Vulcan Asbestos Mfg. Co., Westfield, N. J.
Vulcan Pig Tin. Vulcan Detinning Co., Pittsburgh, Pa.
Vulcan Pipe Vises. Hilts Wrench & Mfg. Co., Richford, N. Y.
Vulcan R. R. Hand Lanterns. R. E. Dietz Co., New York.
Vulcan Roof Saver Paint. The Tropical Paint & Oil Co., Cleveland, O.
Vulcan Roving Cans. James Hill Mfg. Co., Providence, R. I.
Vulcan Rubber Cemented Paint, Varnish, Wall Kalsomine and Stucco Brushes. John L. Whiting-J. J. Adams Co., Boston, Mass.
Vulcan Screw Drivers. Clement Mfg. Co., Northampton, Mass.
Vulcan Shears. Merwin Mfg. Co., Erie, Pa.
Vulcan Shears and Punching Machines. Vulcan Engineering Sales Co., Chicago.
Vulcan Shovels. Lane Bros. Co., Altavista, W. Va.
Vulcan Solder Pots and Wax Melter and Dropper. Vulcan Electric Heating Co., Buffalo, N. Y.
Vulcan Soot Cleaners. The Vulcan Soot Cleaner Co., Du Bois, Pa.
Vulcan Spelter, Brass Ingots. Vulcan Louisville Smelting Co., Ch'go.
Vulcan Steam Heaters. Harrisburg Mfg. & Boiler Co., Harrisburg, Pa.
Vulcan Steam Hose. International Metal Hose Co., Cleveland, O.
Vulcan Truck Frames. American Steel Foundries, Chicago.
Vulcan Tube Cleaners. Vulcan Soot Co., Du Bois, Pa.
Vulcanite Asphalt Ready Roofing and Shingles. Vulcanite Roofing Co., Buffalo, N. Y.
Vulcanite Asphalt Shingles. Vulcanite Roofing Co., San Francisco.
Vulcanite Cement. Vulcanite Portland Cement Co., Philadelphia.
Vulcanite Emery Wheels. New York Belting & Packing Co., N. York.
Vulcanite Mastic Flooring. Barber Asphalt Paving Co., Phila., Pa.
Vulcanite Roofing. Beaver Products Company, Inc., Buffalo, N. Y.
Vulcanized Fibre Timer Rings. Continental Fibre Co., Newark Centre, Del.
Vulco Rubber Finishes. John Lucas & Co., Inc., Philadelphia, Pa.
Vul-Cot Waste Baskets. National Vulcanized Fibre Co., Wilmington, Del.
Vulite Boiler Compounds. W. Chesterton Co., Boston, Mass.
Vul-Tex Patch. Clarence Peterson, Minneapolis, Minn.
Vultite Tire Repair Outfits, Adhesive Patches, Blowout Patches, Tire Priers, Adhesive Tape, Radiator Cement. Vultite Rubber Co., Bridgeport, Conn.

W

W-A Cast Iron Exhaust Heads. Wright-Austin Co., Detroit, Mich.
W. A. 30 Caliber Smokeless Rifle Powder. Hercules Powder Co., Wilmington, Del.
W. B. Auto Mirrors. Wildenberg Bros., New York.
W. B. & C. Lenses, Watch Crystals. Albert Berger & Co., New York.
W. B. B. Gem Ear Phone. Williams, Brown & Earle, Philadelphia, Pa.
W. B. Switch Locks. Wilson Bohannon, Brooklyn, N. Y.
W-B Thread Cutters. W-B Mfg. Co., Inc., Binghampton, N. Y.
W. Cotton Twine. Estes Mills, Fall River, Mass.
W. C. Auto-Boat Steerers. Wilcox, Crittenden & Co., Inc., Middletown, Conn.
W. C. Marine Steering Gears. Wilcox, Crittenden & Co., Inc., Middletown, Conn.
W. C. Radio Receiving Sets. Western Electrical Co., New York.
W. C. I. Grease Cups. Keystone Engineering Co., Los Angeles, Cal.
W. D. Co. Fumigating Lamps. West Disinfecting Co., New York.
W D F Quality Forgings. Western Drop Forge Co., Los Angeles, Calif.
W. D. Paint. Dielectric Mfg. Co., St. Louis, Mo.
W. D. M. Metal Face Packing. Walsh Packing Co., Philadelphia.
W. D. W. Blacksmith's Nippers. H. D. Smith & Co., Plantsville, Conn.
W. E. Splicing Compounds. Western Electric Co., New York.
W E W Valves. William E. Williams, New York.
W. H. B. Beeswax. W. H. Bowdlear Co., Boston, Mass.
W. H. Morley & Sons Shears and Scissors. Adolph Kastor & Bro., New York.
W. Hollow Mortising Chisels. Star Bit & Tool Co., Rockford, Ill.
W. J. Dennis Window Brushes. W. J. Dennis & Co., Chicago.
W. J. Polson's Blow-Out Patches, Leather-Fan Belts, Tube Patches, Reliners, Rubber Cement. W. J. Polson Co., Kansas City, Mo.
W-L Shingle Stains. Woodlife Co., Brooklyn, N. Y.
W.-M. Iceless Refrigerators. Metal Barrel Co., Galesburg, Ill.
W. N. Best Oil Burner. Best Co., Pittsburgh, Pa.
W. P. H., Packing. Crandall Packing Co., Palmyra, N. Y.
W. P. Insulating Black. Standard Varnish Works, Chicago.
W. P. Plain Tool Grinders. Hill-Curtis Co., Kalamazoo, Mich.
W. P. S. Fibrous and Sheet Packings, Leather Cups, Pump Valves. Western Packing & Supply Co., Chicago.
W. P. S. Leather Caps and Fibrous Packing. Western Packing & Supply Co., Chicago.
W. P. W. Pulling Instrument. W. M. Walsh, Aberdeen, Wash.
W. R. CO_2 Indicator and Recorder. Chadburn Engineering Co., Inc., Troy, N. Y.
W. S. D. Grate Bars. Thomas Grate Bar Co., Birmingham, Ala.
W-S. Hydraulic Jacks, Machinery, Presses. Watson-Stillman Co., New York.
W-S-M Car Dumpers, Ore Unloaders, Coal and Ore Bridges, Gas Producers, Gas Reversing Valves, Hydraulic Turbines. Wellman-Seaver-Morgan Co., Cleveland, Ohio.
W. S. Rivet Sets, Tap Bores. P. Lowentrout Mfg. Co., Newark, N. J.
W. 17 Hot Water Supply Boilers. H. B. Smith Co., Westfield, Mass.
W. U. C. Voltage Regulators. Portland Co., Portland, Me.
W. W. Brand Cotter Pins. Western Wire Products Co., St. Louis, Mo.
W W. Poultry Netting. Wickwire Bros., Cortland, N. Y.
W W Varnish. Blackburn Varnish Co., Cincinnati, O.
W. W. Wire Poultry Netting. Wickwire Bros., Cortland, N. Y.
W. Wire Fences and Gates. Wickwire Spencer Steel Corp., N. York.
W. & B. Diamond Twist Drills and Reamers. The Whitman & Barnes Mfg. Co., Akron, O.
W. & B. Machinists' Knife Handle Wrench, Agricultural Wrench, Files, Spring Cotters. J. H. Williams & Co., Buffalo, N. Y.
W. & B. Tool Cases. Wedell & Boers, Detroit, Mich.
W. & C. Shock Absorbers. Philip H. Weber & Co., Hoopeston, Ill.; Walter Eckhouse & Co., Chicago.
W. & C. Wire Rope Clamps. Wright Wire Co., Worcester, Mass.
W. & E. Oil Tanks and Pumps. A. C. Kraft, Chicago.
W. & H. Rowland Automobile Springs. Wm. & Harvey Rowland, Philadelphia.
W. & McD. Syphon Pumps. Watson & McDaniel, Philadelphia, Pa.
W. & M. Belt Sander. Wayne Machinery Co., Ft. Wayne, Ind.
W. & M. Grinders. Wilmarth & Morman Co., Grand Rapids, Mich.
W. & M. Telephone and Telegraph Wire. American Steel & Wire Co., Chicago.
W. & P Grinders. Webster & Perks Tool Co., Springfield, O.
W. & P. Planers. Woodward & Powell Planer Co., Worcester, Mass.
W. & P. Roofing Paints. Vulcanite Roofing Co., Buffalo, N. Y.
W. & R. Jewelers' Machinery. Worthington & Raymond, New York.
W. & R. Spray Pumps. Rochester Spray Pump Co., Rochester, N. Y.
W. & T. Superior Chlorinator Water Purifier. Wallace & Tiernan Co., Inc., New York.
Wa Me Co. Electric Clusters. Waterbury Metal Wares Co., Waterbury, Conn.
Wabacoat Clay Covered Boards. Wabash Coating Mills, Wabash, Ind.
Wabash Headlights. Star Headlight Co., Rochester, N. Y.
Wabash Express Coaster Wagons. Wabash Mfg. Co., Terre Haute, Ind.
Wabash Horse Collar Pads. Harsh-Miller Mfg. Co., Wabash, Ind.
Wabash Portland Cement. Wabash Port. Cement Co., Detroit, Mich.
Wabco Packing Cups and Gaskets for Pneumatic and Hydraulic Machinery. Westinghouse Air Brake Co., Wilmerding, Pa.
Wabeco Water, Steam, and Oil Proof Leather Belting. Warren Belting Company, Worcester, Mass.
Wabron Hose, Racks and Reels. J. W. Buckley Rubber Co., New York.
Waco Brick. Washington Brick, Lime & Sewer Pipe Co., Spokane, Wash.
Wade Drag Saw. R. M. Wade & Co., Portland, Ore.
Wade-Nicholson Locomotive Tiles. American Arch Co., Chicago.
Wade Precision Bench Lathes. Wade American Tool Co., Waltham, Mass.
Wade & Butchers Razors. Adolph Kastor & Bros., New York.
Wadhams Grease Cups. Wadham Oil Co., Milwaukee, Wis.
Wadisco Closets. Crane Co., Chicago.
Wadleigh's Lumbermen's Tape Line. C. L. Lamberson, Clinton, Ia.
Wadsworth Core Making Machinery. Falls Rivet & Machinery Co., New York.
Wadsworth Kerosene Traction Engines. Wadsworth Mfg. Co., Detroit, Mich.
Wafer Air Compressor Valves. Sullivan Machinery Co., Chicago.
Wagenhals Arc Headlights. Dayton Mfg. Co., Dayton, O.
Wager Patent Improved Furnace Bridge Walls. Robert H. Wager, Philadelphia, Pa.
Waggoner Fire Bucket. Northern Fire Apparatus Co., Minneapolis.
Wagner Bar Staples, Gasoline Engine Trucks, Cupboard Catches, Roof Brackets, Sash Holders, Screen Door Hangers, Braces and Hinges, Hay Rack Clamps, Door Pulls, Coil Springs and Lawn Spuds, Sliding Door Latches, Steering Coasters. Wagner Mfg. Co., Cedar Falls, Ia.
Wagner Cast Aluminum Ware. Wagner Mfg. Co., Sidney, O.
Wagner Cold Saw Cutting-Off Machinery, Metal Boring Machinery. Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Wagner Daisy Fly Traps. Wagner Mfg. Co., Cedar Falls, Ia.
Wagner Danger Ice Chippers. Wagner Mfg. Co., Cedar Falls, Ia.
Wagner Leader Door Hangers. Wagner Mfg. Co., Cedar Falls, Ia.
Wagner Power Transformers. Wagner Elec. Mfg. Co. St. Louis, Mo.
Wagner Quality Motors. Wagner Electric Mfg. Co., St. Louis, Mo.
Wagner Sausage Stuffers. Silver Mfg. Co., Salem, O.
Wagner Switch Point Straightener. The Maintenance Equipment Co., Chicago.
Wagner & Lowe Hoof Parers. Lowe Mfg. Co., Enderlin, N. D.
Wagner's Flue Stops. Weber & Kirck Mfg. Co., Keokuk, Ia.

Wag's Vegetable Soap. Wags Chemical Co., Knoxville, Tenn.
Wahl Adding Machines. Remington Typewriter Co., New York.
Wahl Fountain Pens. Wahl Co., Chicago.
Wahlstrom Automatic Drill Chucks, Tapping Device. Wahlstrom Tool Co., Brooklyn, N. Y.
Waibel's Pitching Machines, Rapid Branders. Cleveland Brewers' Supply Co., Cleveland, O.
Wainwright Expansion Joints, Feed Water Heaters, Steam Condensers and Oil Coolers. Wheeler Condenser & Eng'g. Co., Carteret, N. J.
Wainwright Piston Pins and Pistons. McQuay-Norris Mfg. Co., St. Louis.
Wainwright Pistons and Pins. McQuay-Norris Mfg. Co. of Ind., Connersville, Ind.
Wainwright Steel Corner Bar. Steel Protected Concrete Co., Philadelphia, Pa.
Wakefield Wrenches. C. E. Wakefield, Worcester, Mass.
Walbro Building Supplies. Waldo Bros. & Bond Co., Boston, Mass.
Walcloth Wall Coverings. T. R. Goodlate & Sons, Inc., Delawanna, N. J.
Walco Unions, Brass Gate Valves. Walworth Mfg. Co., Boston, Mass.
Walcott Chain Warpers. Draper Corp., Hopedale, Mass.
Walcott Lathes. Walcott Lathe Co., Jackson, Mich.
Walden-Worcester Wrenches. Walden-Worcester Inc., Worcester, Mass.
Waldkircher's Oscillating Force Pumps. Klotz Machine Co., Sandusky, O.
Waldo High Pressure Packing. The Henry Johnson Co., Inc., Jersey City, N. J.
Waldo, Jr., Sanitary Drinking Fountains. Trenton Potteries Co., Trenton, N. J.
Waldo Shade Holders. Waldo Co., New York.
Waldo Wax Tapers. Thos. W. Houchin Co., New York.
Waldorf Gas Ranges. Southard-Robertson Co., Peeksill, N. Y.
Waldorf Linen Hose. Fabric Fire Hose Co., New York.
Waldron Hose Nozzles. W. D. Allen Mfg. Co., Chicago. Cornelius Callahan Co., Boston, Mass.
Waldron Hot Air Furnace. Brien Heater Co., Westfield, Mass.
Wal-El-Dor Telescoping Freight Elevator Doors. St. Louis Fire Door Co., St. Louis, Mo.
Wales Visible Adding and Listing Machines. Wales Adding Machine Co., Wilkes-Barre, Pa.
Walger Connectors. S. H. Stover & Co., Pittsburgh, Pa.
Walke Anti-Friction Metal. Henry Walke Co., Norfolk, Va.
Walker Auto Jacks. Walker Mfg. Co., Racine, Wis.
Walker Balance Drive Electric Vehicles. Walker Vehicle Co., Chicago.
Walker Belt Fasteners. R. & J. Dick Co., Inc., Passaic, N. J.
Walker Coal Drills, Mine Cages, Mine Tipples. What Cheer Tool Co., What Cheer, Ia.
Walker Cold Rolled Shafting. Walker Mfg. Co., Denver, Colo.
Walker Copper-Casting Machines. Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Walker Dishwasher. Walker Dishwasher Corp., Syracuse, N. Y.
Walker Farm Wagons. Geo. S. Cady & Co., Moravia, N. Y.
Walker Fire Hydrants. Norwood Engineering Co., Florence, Mass.
Walker Flexible Joints. Crane Co., Chicago.
Walker Grapple Forks. G. A. Swineford Co., Canton, O.
Walker Hay Carriers. Jackson-Byron Iron Works, Berkeley, Cal.
Walker Machine Molded Gears. Link-Belt Co., Chicago, Indianapolis, Philadelphia; H. W. Caldwell & Son Co., Chicago.
Walker Magnetic Chucks. O. S. Walker Co., Worcester, Mass.
Walker Oil and Gasoline Pumps. A. C. Kraft, Chicago.
Walker Quality Leather Belting. Chas. W. Walker's Sons & Co., Newark, N. J.
Walker Steam Heaters. Walker & Pratt Mfg. Co., Boston, Mass.
Walker Twine Holders. Universal Winding Co., Boston, Mass.
Walker's Lion Packing. James Walker & Co., Ltd., New York.
Walker's Mane Combs. Rubber & Celluloid Products Co., Newark, N. J.
Walker's Patent Ship Logs. Thomas Walker & Son, Ltd., Birmingham, Eng.
Walkover Car Seats. American Motor Body Co., Philadelphia, Pa.; Hale-Kilburn Company, Philadelphia, Pa.
Walk-Over Paints. J. A. McCafferty & Sons, Brooklyn, N. Y.
Walk-Over Shoes. Geo. E. Keith Co., Brockton, Mass.
Wall Engineers' Oiler Sets. P. Wall Mfg. Supply Co., Pittsburgh, Pa.
Wallabout Rubber Hose. Gutta Percha & Rubber Mfg. Co., New York.
Wallace Box Car Unloaders. Link-Belt Company, Chicago, Indianapolis, Philadelphia; H. W. Caldwell & Son, Chicago.
Wallace Carburetors. Lucas-Wallace Mfg. Co., Paducah, Ky.
Wallace Concrete and Lumber Hoists. Baron Co., Edw. R., San Francisco, Calif.
Wallace Lemon Squeezers. A. C. Williams Co., Ravenna, O.
Wallace Pipe Bender. Wallace Supplies Mfg. Co., Chicago.
Wallets, Etc. Alvah Bushnell Co., Philadelphia, Pa.
Wallin Baths. Crane Co., Chicago.
Wallis Gasoline Traction Engines. Wallis Tractor Co., Racine, Wis.
Wallis Threshers and Tractors. J. I. Case Plow Works, Racine, Wis.
Walls Engineers' Oiling Sets. P. Wall Mfg. Supply Co., Pittsburgh.
Wallworks Portable Lights. Wells Light Mfg. Co., Jersey City, N. J.
Walmanco Pipe Joints. Walworth Mfg. Co., Boston, Mass.
Walpole Black Finishing Varnish. Walpole Tire & Rubber Co., Walpole, Mass.
Walrine Leather Wheels. Miller & Co., Newark, N. J.
Walrus Brand Waterproof Clothing. Waterproofed Products Co., Oakland, Cal.
Walrus Leather Belting. Narragansett Belting Co., Providence, R. I.; Norwich Belt Mfg. Co., Norwich, Conn.
Walrus Lubricators. D. T. Williams Valve Co., Cincinnati, O.
Walrus Roofing. Warren Chemical Div., The Barrett Company, New York.
Walrus Rubber Packing. Manhattan Rubber Mfg. Co., Passaic, N. J.
Walschaert Locomotive Valve Gear. American Locomotive Co., New York; Baldwin Locomotive Works, Philadelphia, Pa.; Lima Locomotive Works, Inc., Lima, O.
Walsh Safety Lock Snaps. Walsh Safety Lock Snap Co., Bellevue, O.
Walsh Sugar Cane Carrier Feeders. Henry Nadler, Plaquemine, La.
Walsh Window Tents. Cabinet Mfg. Co., Quincy, Ill.
Walstad Concrete Highway and Inspecting Tools. Walstad Machine Co., Tacoma, Wash.
Walsyn Closets. Crane Co., Chicago.
Walter A. Wood Reapers. Walter A. Wood, Hoosick Falls, N. Y.
Walter Concretile Roofing. Walter Concrete Machinery Co., Indianapolis, Ind.
Walters & Cooper's Shingles. National Sheet Metal Roofing Co., Jersey City, N. J.
Walters Gasoline Blow Torches. Quadriga Mfg. Co., Chicago.
Walters Metal Working Planing Machines. Ketchum Tool Equipment Co., Bridgeport, Conn.
Walters Metallic Shingles. National Sheet Metal Roofing Co., Jersey City, N. J.
Walters Torches and Oilers. Walters Manufact'ing Co., Pittsburgh, Pa.
Waltham Automobiles. Waltham Motor Mfrs., Waltham, Mass.
Waltham Lathes, Thread Millers, Sub Press Dies. Waltham Machine Works, Waltham, Mass.
Waltham Speedometers. Waltham Watch Co., Waltham, Mass.
Waltham Weather Vanes. L. W. Cushing & Son, Waltham, Mass.
Walton Pole Saws, Drag Saws and Bob Sleds. A. D. Granger Co., New York.
Walton Tap Extractors. Walton Co., Hartford, Conn.
Walworth Auto and Carriage Washers, Boiler Fittings, Pipe Fittings, Pipe Tools, Ball Bearing, Revolving, Non-Fouling Halyard Tops, Valves, Vises, Well Points. Walworth Mfg. Co., Boston.
Walworth Federal Brass Gate Valves. Walworth Mfg. Co., Boston.
Walworth Halls Pipe Reamers, Cast Iron Pipe Cutters. Walworth Mfg. Co., Boston, Mass.
Walworth Kewanee Regrinding Valves, Unions; Specialties. Walworth Mfg. Co., Boston, Mass.
Walworth Pipe Vises. Oswego Tool Co., Oswego, N. Y.
Walworth Steel Flag Poles. Royal Steel Products Co., New York.
Wampus Sheet Packing. Cincinnati Rubber Mfg. Co., Cincinnati, O.
Wanamaker Coated Electrodes. Transportation Engineering Corp., New York.
Wands Hand Vacuum Cleaners. Standard Mfg. Co., Syracuse, N. Y.
Wang Lubricating Oils and Greases. Van Tilburg Oil Co., Minneapolis, Minn.
Wanstall Steam Traps. Pryko, Inc., New York.
Wapello Rural Mail Boxes. C. L. Bettler & Son, Wapello, Ia.
Warco Floor and Ceiling Plates. W. A. Russell & Co., New York.
Ward Desk Telephone Brackets, Orchestra Lamps. McLeod, Ward & Co., New York.
Ward Drills, Reamers, Punches, Dies, Rivet Sets, Etc. Ward Tool & Forging Co., Latrobe, Pa.
Ward Electric Trucks. Ward Motor Vehicle Co., Mt. Vernon, Ill.
Ward Hose Couplings. Standard Heat & Ventilation Co., New York.
Ward Iron and Steel Sheet, Shafting, Steel Tubing. Edgar T. Ward's Sons Co., Newark, N. J.
Ward-Leonard Dynamo Controllers. Ward-Leonard Electric Co., Mt. Vernon, N. Y.
Ward-Leonard System Starting and Lighting. Wagner-Hoyt Electric Co., New York.
Ward's High Speed and Tool Steel. Edgar T. Ward's Sons, New York.
Ward's Marine Boilers. The Charles Ward Engineering Works, Charleston, W. Va.
Ward's Tempered Strip Steel. Edgar T. Ward's Sons Co., Boston.
Warden Cement Stave Silo. J. E. Warden, Shenandoah, Ia.
Warden Oil Filters. Burt Mfg. Co., Akron, O.
Wardlow High Speed Steel. S. & C. Wardlow, New York.
Wardlow's Crucible Cast Steel. S. & C. Wardlow, New York.
Wardwell Stone Channeling Machines. New Albany Mfg. Co., New Albany, Ind.
Warhorse Silica Sand. The Everhard Co., Massillon, O.
Waring Cables. Standard Underground Cable Co., Pittsburgh, Pa.
Waring Drainage Systems. Waring, Chapman & Farquhar, N. York.
Waring Washing Machines. Ed. C. Waring, Huntsville, Mo.
Warkick Screw Drivers. Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
Warlo Pumps, Clevises and Hydraulic Rams. Ward-Love Pump Co., Rockford, Ill.
Warner Ammeters and Voltmeters. Standard Electric Time Co., Springfield, Mass.
Warner Autometer. Harry Vissering & Co., Chicago.
Warner Carriage and Wagon Wheels. P. Lebzelter, Son & Co., Lancaster, Pa.
Warner Cultivators. Racine-Sattley Co., Springfield, Ill.
Warner Electric Elevators. Warner Elevator Mfg. Co., Cincinnati, O.
Warner Elec. Lamp Posts. Casey-Hedges Co., Chattanooga, Tenn.
Warner Elevators, Gasoline Engines, Pumping Engines. Warner Elev. Mfg. Co., Warner, Ill.
Warner "4 in 1" Drag Saw. Warner Mfg. Co., Ottawa, Kans.
Warner Hub Bands. Eastern Malleable Iron Co., Naugatuck, Conn.
Warner Lantern Holders. W. C. Ladd, Bristol, Conn.
Warner-Lenz (for Auto Lamps). The Warner-Lenz Co., Chicago.
Warner Pistols. Davis-Warner Arms Co., New York.
Warner Speedometers, Auto Meters and Speed Indicators. Stewart-Warner Speedometer Corp., Chicago.
Warner Wire Stretchers. Arcade Mfg. Co., Freeport, Ill.
Warner Transmissions, Differentials, Clutches, Steering Gears. Warner Gear Company of Muncie, Muncie, Ind.
Warnola Auto Horns. Warnola Mfg. Co., New York.
Warranted Best Cast Steel. Hobson, Houghton & Co., Ltd., New York
Warranted Q. X. L. Belting and Hose. Mechanical Rubber Co., Cleveland, O.
Warren Adjustable Die Stocks. The Borden Company, Warren, O.
Warren Axes and Tools. Warren Axe & Tool Co., Warren, Pa.
Warren Brand Lubricating Oil and Greases. Warren Oil Co., Los Angeles, Cal.
Warren Corner Bead. The Youngstown Pressed Steel Co., Warren, O.
Warren Feed Mangers. Rockford Steel Fixture Co., Rockford, Ill.
Warren Gas Engines, Gas Producers, Drilling Engines and Boilers. Struthers-Wells Co., Warren, Pa.
Warren Hay Racks. Harris Mfg. Co., Salem, O.
Warren Improved Calender Doctors. Ticonderoga Machine Works, Ticonderoga, N. Y.
Warren Leather Belting. Warren Belting Company, Worcester, Mass.
Warren Loop Antenna. V-De-Co., Radio Mfg. Co., Asbury Park, N. J.
Warren Metal Bath. Youngstown Pressed Steel Co., Warren, O.
Warren Metal Polish. Warren Refining & Chemical Co., Cleveland.
Warren Pumps. Warren Steam Pump Co., Warren, Mass.
Warren Railroad Tools. Warren Tool & Forge Co., Warren, O.
Warren Ship Water Closets. Thos. Laughlin Co., Portland, Me.
Warren Tools. The Warren Tool & Forge Co., Warren, O.
Warren Transfer Cases. Advance Paper Box Co., St. Louis, Mo.
Warren Tuyere Irons. Illinois Iron & Bolt Co., Carpentersville, Ill.
Warren Water Filters. New York Cont. Jewell Filtrn. Co., Nutley, N.J.
Warren's Pulley Covering. Warren Co., Niles, Mich.
Warren's Sectional Store Fixtures. J. D. Warren Mfg. Co., Chicago.
Warren's Standard Printing Papers. S. D. Warren Co., Boston, Mass.
Warren's Universal Joints. Mutual Machine Co., Hartford, Conn.
Warriner Cattle Stanchions. W. B. Crumb, Forestville, Conn.
Warrington Pile Drivers' Hammers. Vulcan Iron Works, Chicago.
Warrior Brand Cement. Gulf States Portland Cement Co., Demopolis, Ala.
Warrior Hose. Jos. W. Stokes Rubber Co., Trenton, N. J.; M. L. Snyder & Son, Philadelphia.
Warsal Rubber Belt and Hose. W. H. Salisbury & Co., Inc., Chicago.
Warsaw Elevators. Warsaw Elevator Co., Warsaw, N. Y.

Warthy Lubricators. D. T. Williams Valve Co., Cincinnati, O.
Warwick Chains. Newhall Chain, Forge & Iron Co., New York.
Warwick Mill Hose. Fabric Fire Hose Co., New York.
Warwood Coal Mining Picks. Warwood Tool Co., Wheeling, W. Va.
Warwood Mining Picks. Wheeling Stove & Range Co., Wheeling, W. Va.
Wasants Lavatories. Crane Co., Chicago.
Wasco Billiard Supplies. Wm. A. Spinks Co., Chicago.
Wasco Garage Heaters. Caloric Furnace Co., Philadelphia.
Wasco Garage Self-Regulating Heating Systems. W. A. Schleit Mfg. Co., Syracuse, N. Y.
Wasco Spark Plugs. Washington Auto Supply Co., Washington, Ill.
Wash Day Clothes Poles. Pfaff & Kendall, Newark, N. J.
Washable Wall Finish. Boydell Bros. White Lead & Color Co., Detroit, Mich.
Washash Metal Frame Window Screens. Continental Co., Detroit.
Washburn Bench Vises. Barbour-Stockwell Co., Cambridgeport, Mass.
Washburn High Carbon Wires. Washburn Wire Co., New York.
Washburne Sliding Door Latches. National Mfg. Co., Sterling, Ill.
Washburne's New Improved O. K. Paper Fasteners. The O. K. Mfg. Co., Oswego, N. Y.
Washdek Hose. Quaker City Rubber Co., Philadelphia.
Wash-er Clean (Armature Washing Fluid). The Martindale Electric Co., Cleveland.
Washeasy Soap. A. M. Hollingshead Co., Camden, N. J.
Washington Carbonators. S. Twitchell Co., Philadelphia.
Washington Cedar Shingles. Chestnut Lumber Co., Nashville, Tenn.
Washington Cement. Washington Portland Cement Co., Concrete, Wash.
Washington Cider Faucet. John Sommer Faucet Co., Newark, N. J.
Washington Gas Separator. The Petroleum Iron Works Company, Sharon, Pa.
Washington Log Loader. Washington Machine & Supply Co., Spokane, Wash.
Washington Logging Engines. Washington Iron Wks., Seattle, Wash.
Washington Motor Cars. Washington Motor Co., Eaton, Ohio.
Washington Plaster Wall Boards. Washington Building Products Co., Seattle, Wash.
Washington Porcelains—Enameled Ware. Washington Iron Works. Los Angeles, Cal.
Washington Spark Plugs. Washington Auto Supply Co., Washington, Ill.
Washington Stoves and Ranges. Gray & Dudley Hardware Co., Nashville, Tenn.
Washington No. 2 Fireplace Heaters. B. C. Bibb Stove Co., Baltimore.
Washington Superior Pulley Covering. W. S. Raymond, Niles, Mich.
Washoe Contractors' Picks. Mack & Co., Rochester, N. Y.
Washproof Name Tapes. Sterling Name Tape Co., Winsted, Conn.
Wasol Artificial Silk Sizing. Noutrasol Products Corp., New York.
Wasp Automobiles. Martin-Wasp Corp., Bennington, Vt.
Wass Casement Window Hardware. L. P. T. Specialty Co., Minneapolis, Minn.
Wasson Piston Rings. Wasson Piston Ring Co., Plainfield, N. J.
Wasson Trolley Bases. U. S. Metal & Mfg. Co., New York.
Watch-Dog Feed Water Regulators. L. J. Wing Mfg. Co., New York
Watch Dog Water Meters. Gamon Meter Co., Newark, N. J.
Watchman's Mill Lanterns. R. E. Dietz Co., New York.
Watchman's Time Recorder. E. Imhauser Co., New York; Holtzer Cabot Electric Co., Boston.
Watco Concrete Hardener. Waterhouse-Wilcox Co., San Francisco.
Watco Red Lead. Wm. Waterall & Co., Camden, N. J.
Watco Reamers and Cutters. Watervleit Tool Co., Inc., Albany, N. Y
Watco Steels. Western Alloy & Tool Steel Co., Inc., San Francisco.
Water Leather Belting. Byrnes Belting Co., St. Louis, Mo.
Water-Nymph Collars and Cuffs. E. I. du Pont de Nemours & Co., Inc., Poughkeepsie Plant, Poughkeepsie, N. Y.
Water-Boy Pumping Units. Harry M. Perry, Los Angeles.
Waterbuk Leather Belting. Lawrence Belting Co., New York.
Waterbury Armored Fibreclad, and Green Strand Wire Rope. Waterbury Co., New York.
Waterbury Batteries. Waterbury Battery Co., New York.
Waterbury Brand Balls. Waterbury Steel Ball Co., Waterbury, Conn.
Waterbury Button Covering Machines. Waterbury Button Corp., Waterbury, Conn.
Waterbury Dullwell Cable. Waterbury Co., New York.
Waterbury Electric Lamp Posts. Casey-Hedges Co., Chattanooga, Tenn.
Waterbury Emery Grinders. Blake & Johnson Co., Waterbury, Conn.
Waterbury Hydraulic Variable Speed Gears. Waterbury Tool Co., Waterbury, Conn.
Waterbury Lawn Sprinklers. Noera Mfg. Co., Waterbury, Conn.
Waterbury Non-Spinning Wire Rope. Waterbury Co., New York
Waterbury Reliance Transmission Rope. Waterbury Co., New York
Waterbury Unit Cylinder Open Batteries. Waterbury Battery Co., Waterbury, Conn.
Waterex Water Proofing Materials. Brooks & Doerr, San Francisco.
Waterford Motor-Boat. Disappearing Propeller Boat Corp. of New York, North Tonawanda, N. Y.
Waterhouse Clothes Dryer. Waterhouse Mfg. Co., Los Angeles, Calif.
Wateride Flat Belting. F. Raniville Co., Grand Rapids, Mich.
Waterloo Boy Tractors, Kerosene and Gasoline Engines. Waterloo Gasoline Engine Co., Waterloo, Ia.
Waterloo Engines. Waterloo Gasoline Engine Co., Waterloo, Ia.
Waterloo-Perfection Tamper. Construction Machy. Co., Waterloo, Ia.
Water King Waterproof Belting. Bay State Belting Co., Boston.
Waterman Rail Drill. Handlan-Buck Mfg. Co., St. Louis, Mo.
Waterman's Ideal Fountain Pens and Ink. L. E. Waterman Co., New York.
Waterproof Belt Cements. Druid Oak Belting Co., Baltimore, Md.
Waterproof Flat Finish Bridge and Concrete Paints. Glidden Co., Cleveland, O.
Waterproof Leather Belting. Warren Belting Company, Worcester, Mass.; Grand Rapids Belting Co., Grand Rapids, Mich.
Waterproof Sidewalk Doors. Michel & Pfeffer, San Francisco, Calif.
Waterproof Sockets. Crouse-Hinds Co., Syracuse, N. Y.
Waterproof White Finish Brick and Concrete Paints. Glidden Co., Cleveland.
Waterpul Pumps. F. A. B. Mfg. Co., Oakland, Calif.
Waters Governors and Valves. Waters Governor Co., Boston, Mass.
Water Seal Air Valves. Beaton & Cadwell Mfg. Co., New Britain, Conn.
Waterseal Concrete Roofing Tile. Penn Bldg. Block Co., Inc., Phila.
Waterseal Roof Cement. Thompson & Co., Pittsburgh, Pa.
Watershead Asphalt Ready Roofing. Safepack Mills, Boston.
Watershed Belting. J. E. Rhoads & Sons, Philadelphia, Pa.
Water-Test Leather Belting. Zimmer Belting Co., New York.
Watertight Battery Holders. Stanley & Patterson, New York.
Watertight Water Wheels. Wm. Bartley & Son, Bartley, N. J.
Water Tite Asbestos Fibre Liquid. Wyoming Roofing Products Co., Wyoming, Pa.
Watertite Leather Belting. Plant Rubber Co., Minneapolis, Minn.
Watertite Paint. Black Diamond Paint & Varnish Wks., Cincinnati, O.
Watertite Paste Waterproofing Materials for Concrete. Storm Waterproofing Corp., New York.
Watertown Cylinder Cocks, Automatic Oil Valves, Water Gauges. Watertown Specialty Co., Watertown, N. Y.
Waterwitch Leather Belting. N. Palmer & Co., Bridgeport, Conn.
Watervliet High Speed Reamers. Watervliet Tool Co, Inc, Albany, N. Y.
Water Weight Lawn and Garden Rollers. Dunham Co., Berea, O.
Waterwitch Waterproof Belting. Smyth-Despard Co., Utica, N. Y.
Watres Graphite Lubricators, Drift Indicators, for Locomotives. American Safety Lamp & Mine Supply Co., Scranton, Pa.
Watroco Asphalt Roofing. National Roofing Co., Tonawanda, N. Y.
Watrous Bubbling Cups. Self-closing Faucets, Lavatory, Fittings and Flush Pipes. Watrous Co., Chicago.
Watrous Ship Augers. C. E. Jennings & Co., New York.
Watrous Urinals, Flushing Valves, Liquid Soap Fixtures and Water Closets. Imperial Brass Mfg. Co., Chicago.
Watson Car Lighting Regulator. Holden & White, Chicago.
Watson Clay Press Cocks. Trenton Brass & Mach. Co., Trenton, N. J.
Watson Concrete Hardener. Waterhouse-Wilcox Co., San Francisco.
Watson Electric Motors, Electric Disc Fans. Mechanlator Co., Lawrence, Mass.; Louis Allis Co., Milwaukee, Wis.
Watson Filters. N. A. Watson, Erie, Pa.
Watson Forge Blowers. Cleveland Steam Gauge Co., Cleveland, O.
Watson Horse Cards. L. S. Watson Mfg. Co., Leicester, Mass.
Watson Pressure Regulators. Watson & McDaniel Co, Philadelphia.
Watson Pump Governors, Reducing Valves, Pressure Regulators, Etc. Watson & McDaniel Co., Philadelphia, Pa.
Watson Pumps. N. A. Watson, Erie, Pa.
Watson Roof Flanges. Davis-Watson Mfg. Co., Nashua, N. H.
Watson-Stillman Hydraulic Tools. Watson-Stillman Co., New York.
Watson Tangent Cut Box Tool. Biggs-Watterson Co., Cleveland, O.
Watson Trucks; Wagons. Watson Truck Corp; Canastota, N. Y.
Watson's Metallic Packing. M. T. Davidson, Brooklyn, N. Y.
Watsonite Sanitary Flooring Raecolith Flooring Co., Seattle, Wash.
Watt Gas Radiators. Robt. Watt Mfg. Co., Philadelphia.
Watt Plows. Call-Watt Co., Richmond, Va.
Watts Blast Furnaces. Va. Iron, Coal & Coke Co., Roanoke, Va.
Watts Corn Shellers. Watts Mfg. Co., Jackson, Mich.
Watts Lawrence Damper Regulators. Watts Regulator Co., Lawrence, Mass.
Watts-Miller Gas Engine. Miller Improved Gas Engine Co., Springfield, O.
Watts Oil Proof Packing. John M. Watts Sons, Philadelphia.
Watts Regulators; Valves and Governors. Watts Regulator Co., Lawrence, Mass.
Watters Grab Buckets. Whiting Foundry Equipment Co., Harvey, Ill.
Waugh Buffing, Radial and Truck Actuated Devices and Drawbar Cast Steel Yokes. Waugh Draft Gear Co., Chicago.
Waugh Glazing Construction. Asbestos Protected Metal Co., Pittsburgh, Pa.
Waugh Portable Compressors. The Denver Rock Drill Mfg. Co., Denver, Colo.
Waugh Rock Drills, Sharpeners. The Denver Rock Drill Mfg. Co., Denver, Colo.
Waugh Turbo Drills. The Denver Rock Drill Mfg. Co., Denver, Colo.
Waughammers. The Denver Rock Drill Mfg. Co., Denver, Colo.
Waughoists. The Denver Rock Drill Mfg. Co., Denver, Colo.
Waught Circle and Rotary Shears. Thomas Mach. Co., Elmira, N. Y.
Waukegan Barbed Wire. American Steel & Wire Co., Chicago.
Waukegan Rubber Hose. National India Rubber Co., Bristol, R. I.
Waukesha Motors. Waukesha Motor Co., Waukesha, Wis.
Waupun Waters Motors. Althouse-Wheeler Co., Waupun, Wis.
Wausau Flint Paper and Emery Cloth. Wausau Abrasives Co., Wausau, Wis.
Wausela Grinding Discs, Abrasive Cloth and Sheet Rolls. Wausau Abrasives Co., Chicago.
Wausite Abrasive Material. Wausau Abrasives Co., Chicago.
Waverly Gasoline. Waverly Oil Works, Pittsburgh, Pa.
Waverly Ledger Paper. Weston Co., Byron, Dalton, Mass.
Waverly Special Auto Oil. Waverly Oil Works Co., Pittsburgh, Pa.
Waverly Steel Boxes. The Loco Light Co., Indianapolis, Ind.
Wavette Electric Curling Irons. Frank E. Wolcott Mfg. Co., Hartford, Conn.
Wavon Electric Curling Irons. Frank W. Morse, Boston.
Waxine Hard Wax Floor Polish. I. H. Wiley Waxine Co., Boston.
Waxit Furniture Polish. Van Tilburg Oil Co., Minneapolis, Minn.
Waxlite (Texaco) Paraffine Burning Wax. The Texas Co., New York.
Waxo Kraft Paper. Brown Co, Portland, Me.
Waxocolor Crayons. New Jersey Crayon Co., Paterson, N. J.
Waxstuff Cloth Lined Waterproof Wrapping. Insurance Packing Mills, Brockton, Mass.
Way Sagless Bed Springs. Way Sagless Spring Co., Minneapolis, Minn.
Waycleanse Street Sweepers. The Way-Cleanse Co., Sandusky, O.
Waycott Brake Beams. Damascus Brake Beam Co., Cleveland, O.
Waylo Car Seats. The J. G. Brill Co., Philadelphia, Pa.
Waymaker Automobile Horns. Lee Tire & Rubber Co., Conshohocken, Pa.
Waymoth Variety Wood Turning Lathes. A. D. Waymoth & Co., Fitchburg, Mass.
Wayne Brands of Iron. Wetherell Bros. Co., Cambridge, Mass.
Wayne Clothes Washing Machine. Wayne Mfg. Co., St. Louis.
Wayne Drill Chucks; Tools. Wayne Tool Mfg. Co., Waynesboro, Pa.
Wayne Honest Measure Gasoline Pumps. Wayne Oil Tank & Pump Co., Ft. Wayne, Ind.
Wayne Iron. Brown & Co., (Inc.), Pittsburgh, Pa.
Wayne Steel Bins. Iron Crib & Bin Co., Wooster, Ohio.
Wayne Transformers. General Electric Co., Schenectady, N. Y.
Wayne Wood Fibre Plaster. Am. Cement Plaster Co., Buffalo, N. Y.
Wayvell-Chappell Floor Surfacing Machines. Wayvell, Chappell & Co., Waukegan, Ill.
Waz-Saw Mill. Babbitt Metal. W. A. Zelnicker Sup. Co., St. Louis, Mo.
Wearbest Packings. Strong Machinery & Sup. Co., New York.
Wearebest Typewriter Ribbons. Vacuo-Statis Carbon Co., Rochester, N. Y.
Wearette Varnish. Twin City Varnish Co., St. Paul, Minn.
Wear Eez Lubricating Compound. Halstead Specialties Co., San Francisco, Calif.
Wearite High-Speed Steel. J. S. Morrison Co., Pittsburgh.
WearEver Adjustable Spacing Collars. Scully, Jones & Co., Chicago.
Wear-Ever Aluminum Utensils. Aluminum Cooking Utensil Co., New Kensington, Pa.

Wear-Ever Drill Sockets. Scully-Jones & Co., Chicago.
Wearever Rubber Sundries. Faultless Rubber Co., Ashland, O.
Wear-Ever Tap Chucks. Scully, Jones & Co., Chicago.
Wearflex Gloves. McAdoo-Akron Co., The, Akron, O.
Wearproof Street and Traffic Signs and Highway Markers. Union Iron Products Company, East Chicago, Ind.
Wearwell Asbestos Clothing. Safety Equipment Service Co., Cleveland, O.
Wearwell Braided Cordage. Silver Lake Co., Newtonville, Mass.
Wear Well Packing, Gaskets, Clutch Linings, Leather Cups, Washers. Detroit Leather Specialty Co., Detroit, Mich.
Wear Well Leather Packing. Horace G. Preston Co., Detroit, Mich.
Wear Well Rubber Hose. Boston Belting Corp., Boston.
Wear-well Regal Leather Specialties. Detroit Leather Specialty Co., Detroit, Mich.
Wearwell Tire Chains. The Krein Chain Co., Wapakoneta, O.
Weatherbest Stained Shingles. Transfer Stained Shingle Co., Inc. North Tonawanda, N. Y.
Weatherite Elastic Cements. Pecora Paint Co., Philadelphia.
Weatherking Umbrellas. Wolfson Bros. Umbrella Co., New York.
Weather-Proof Hangers. Hunt-Helm Ferris & Co., Harvard, Ill.
Weatherproof Rural Mail Boxes. Tharpe Hardware & Mfg. Co., Monroe, N. C.
Weatherson Nut Locks. Railway & Traction Supply Co., Chicago.
Weathertite Building Paper. Johns-Manville, Incorporated, New York.
Weather-Queen Windproof Umbrellas. Wolfson Bros. Umbrella Co., New York.
Weather Shield Spar Varnishes and Floor Finish. Certain-teed Products Co., St. Louis.
Weaver Auto Twin Jacks; Forcing Press; Auto Hoist; Oiler; Tire Spreader; Universal Tire Changer; Towing Pole and Valveless Bucket Pump. Weaver Mfg. Co., Springfield, Ill.
Weaver Feed Water Heaters. Jno. O'Brien Boiler Wks. Co., St. Louis.
Weaver Roofs and Ready Roofing. Weaver Roof Co., Los Angeles.
Weaver Universal Tire Remover. Weaver Mfg. Co., Springfield, Ill.
Webb Automatic Train Stop. The International Signal Co., New York.
Webb City Chemical Castings, Ore Crushers. Webb City & Carterville Fdy. & Machine Works, Webb City, Mo.
Webb Flexible Shafting. Webb Mfg. Co., Newark, N. J.
Webb Perfection Ranges. Elisha Webb & Son Co., Philadelphia, Pa
Webb Printing Presses. Ray Bros., Ashland, Mass.
Webber Automatic Carburetors. Webber Mfg. Co., Boston, Mass.
Webber Grain Separator. Hirsch Bros., Milwaukee, Wis.
Webco Unions. Am. Block & Mfg. Co., Warren, O.
Webco Pipe Unions. The Warren Tool & Forge Co., Warren, O.
Weber Coniform Chimneys. Weber Chimney Co., Chicago.
Weber Crankpin Re-turning Tool. Sawyer-Weber Tool Mfg. Co., Los Angeles, Calif.
Weber Electric Lamp Sockets, Waterproof Sockets. Henry D. Sears Boston, Mass.
Weber Farm Wagons. International Harvester Company of America, Inc., Chicago.
Weber Oil Engines. Weber Engine Co., Kansas City, Mo.
Weber Subterranean Compressed Air Systems. Weber Subterranean Pump Co., New York.
Weber Subterranean Pump. Neptune Meter Co., New York.
Weber Tinkerbox Assortment of Screws for Electrical Trade; Handy Service Kit of Carbons, Springs and Wicks; Radio Panelcab. Weber Electric Works, Cleveland, O.
Weber's Portable Turn Table Trucks. The Weber Automobile Supply Co., Colorado Springs, Colo.
Webfoot Waterproof Leather Belting and Waterproof Cement. Pacific Asbestos & Supply Co., Portland, Ore.
Webster Air Washers and Humidifying Apparatus. Atmospheric Conditioning Corp., Philadelphia.
Webster Cluster Lamp Guards. Hamblin & Russell Mfg. Co., Worcester, Mass.
Webster Lamp Adjusters, Lamp Guards. Frank W. Morse, Boston.
Webster Machinery. Webster Mfg. Co., Tiffin, O.
Webster's Marine Paint. William E. Williams, New York.
Webster Modulation Radiator Valves, Sylphone Radiator Traps, Systems of Steam Heating, Feed-Water Heaters, Steam Specialties, Vacuum Steam Heating Systems. Warren Webster & Co., Camden, N. J.
Webster Pencil Sharpeners. N. S. Webster Co., Boston.
Webster Tri-Polar Oscillators, Unitary Plug-Brackets. Webster Electric Co., Racine, Wis.
Webster No. 7 Radiator Traps. Warren Webster & Co., Camden, N. J.
Webster Sylphon Radiator Traps. Warren Webster & Co., Camden, N. J.
Weco Hangers, Unions and Valves. F. W. Webb Mfg. Co., Boston, Mass.
Weco Salt Handling Machinery. Willcox Engr. Co., Saginaw, Mich.
Weco Tubes. Weaver-Ebling Automobile Co., New York.
Wedge Mechanical Roasting Furnaces. Wedge Mechanical Furnace Co., Philadelphia, Pa.
Wedge Trolley Wire Clamps. Ohio Brass Co., The, Mansfield, O.
Wedgeset Steam Packing. Channel Packing & Rub. Co., New York.
Wedgewood. Acme White Lead & Color Works, Detroit, Mich.
Wedgewood Gas, Coal and Wood Stoves and Ranges. James Graham Mfg. Co., San Francisco.
Wedglok Track Drill. Prince-Groff Mfg. Co., Camden, N. J.
Wedgtite Pipe Hangers. Crouse-Hinds Co., Syracuse, N. Y.
Wedg-Way Cloth Laying Machines. Shuttle Machine Co., New York.
Wedgwood Enamel. R. F. Johnston Paint Co., Cincinnati, O.
Weeber Automobile Mufflers, Wheel Pullers, Shock Absorbers, Valve Removing Tools. C. F. Weeber Mfg. Co., Albany, N. Y.
Weed Chain Jacks. American Chain Co., Bridgeport, Conn.
Weeds Files. Nicholson File Co., Providence, R. I.
Weedicator Weed Killer. Weedicator Weed Co., Los Angeles, Calif.
Weeks Fixture Clusters. Dale Lighting Fixture Co., New York.
Weeks' Reflectors. Weeks-Nelson, Brooklyn, N. Y.
Weevac Gas Fluid. Enoz Chemical Co., Chicago.
We-Fu-GoWater Softeners and Purifiers. Wm. B. Scaife & Sons Co., Pittsburgh, Pa.
Weierbach Brake Shoes. Weierbach Brake Shoe Co., Scranton, Pa.
Weigel Auto Tire Holders and Accessories. The Hamilton Caster & Mfg. Co., Hamilton, O.
Weightograph Automatic Weight Indicator. General Automatic Scale Co., St. Louis, Mo.
Weightometer Automatic Weighing Conveyor Scales. Merrick Scale Mfg. Co., Passaic, N. J.
Weightometer Automatic Weighing Machines. Merrick Scale Co., Passaic, N. J.
Weller Jacks. Oliver Barth Jack Co., Milwaukee.
Well McLean Steam and Water Boilers. James B. Clow & Sons, Chicago.
Weinland Boiler Flue or Tube Cleaners. Lagonda Mfg. Co., Springfield, O.
Weinland Turbine Cleaners. Chicago Engineer Supply Co., Chicago.
Weimer Blowing Engine Cylinders, Gas Stove Burners, Rolling Mill Trucks. Weimer Machine Works Co., Lebanon, Pa.
Weir Pipeless Furnaces. Meyer Furnace Co., Peoria, Ill.
Weir Pumps. G. & J. Weir, (Ltd.), New York.
Weir Titan Frogs and Clamps, Titanium Guard Rail Clamps. Weir Frog Co., Cincinnati, O.
Weis Filing Equipment, Sectional Bookcases. Weis Mfg. Co., Monroe, Mich.
Weiss Fuel Level Indicators. Duffield & Co., Derby, Conn.
Weiss Speed Indicators. Greene, Tweed & Co., New York.
Weiss Steam Condensers. Southwark Foundry & Machine Co., Phila.
WeiSteel Products. Henry Weis Mfg. Co., Atchison, Kans.
Welbronco Castings, Gears, etc. The Wellman Bronze Co., Cleveland, O.
Welby Special Valves. Beaton & Cadwell Mfg. Co., New Britain, Conn.
Welch Pat Expansion Plug. M. D. Hubbard Spring Co., Pontiac, Mich.
Welco Incandescent Gas Mantles. Welsbach Co., Gloucester City, N. J.
Welco Labels, Binders and Loose Leaf Devices. Western Lithograph Co., Los Angeles, Calif.
Welco Motors. B. A. Wesche Electric Co., Cincinnati, O.
Welcome Toilet Soap. Lever Bros. Co., Cambridge, Mass.
Weld Clad Wire. Duplex Metals Co., Chester, Pa.
Weld Regulators. Geo. A. Weld Co., Boston, Mass.
Welday Adjustable Rail Braces. Signal Accessories Corporation, Utica, N. Y.
Weldco Heaters. Cave Welding & Mfg. Co., Springfield, Mass.
Weldco Steam Heaters and Welding Apparatus. Cave Welding & Mfg. Co., Springfield, Mass.
Weldco Valves. Welding Supply Co., Inc., New York.
Weldcraft Welding and Cutting Apparatus, and Supplies for the Oxy-Acetylene Process. Weldercraft Equipment Co., Pittsburgh, Pa.
Welderon Receiver Separators. Elliott Company, Pittsburgh, Pa.
Weldex Tank Heaters. Richmond Water Softener Co., Richmond, Ind.
Weldite Welding Rods. The Chicago Steel & Wire Co., Chicago.
Weldless Steel Chains. Bridgeport Chain Co., Bridgeport, Conn.
Weldo Welding Hose. Gustin-Bacon Mfg. Co., Kansas City, Mo.
Weldox Asbestos Aprons, Gloves and Paper for Welders. F. D. Farnham & Co., Chicago.
Weldrite Electric Welding Machine. Electric Welding Machine Co., Detroit, Mich.
Weldum Solders. Vernon V. Gray, New Hampshire, O.
Weldwell Welding Compounds. Westinghouse Electric & Mfg. Co., Pittsburgh, Pa.
Welfare Paper Towels. The Union Paper & Twine Co., Cleveland, O.
Wel-Ever Piston Rings. Welever Piston Ring Co., Toledo, O.
Welin Davits and Life Boats. Welin Marine Equipment Co., Long Island City, N. Y.
Wellby Special Valves. Beaton & Cadwell Mfg. Co., New Britain, Conn.
Wellman Arc Headlights. Dayton Mfg. Co., Dayton, O.
Wellman Open Hearth Charging Machines and Boxes. Wellman-Seaver-Morgan Co., Cleveland, O.
Wells Electric Lighting Systems. R. C. Wells Mfg. Co., Fond du Lac, Wis.
Wells Floor and Ceiling Plates. Beaton & Corbin Mfg. Co., Southington, Conn.
Wells Light and Preheater. The Alexander Milburn Company, Baltimore, Md.
Wells Multiple Punching Machines. Frank L. Wells Co., Kenosha, Wis.
Well's Cutters, Emery Tool Grinders and Lathes, Tapping Machines, Pipe Cutters, Threading Dies, Vises and Wrenches, Screw Machines and Die Heads. Greenfield Tap & Die Corp., Greenfield, Mass.
Wells Self-Opening Die-Automatic Opening Die Heads, Serial Taps and Machine Tools. Greenfield Tap & Die Corp., Greenfield, Mass.
Wells Signal Lamps. Handlan-Buck Mfg. Co., St. Louis, Mo.
Wellston Pig Iron. The Wellston Iron Furnace Co., Jackson, O.
Wellworth Abrasive Materials and Eye-Shields. American Optical Co., Southbridge, Mass.
Welok Stucco Boards. George W. Muttart, Jersey City, N. J.
Welsh Tile. Wm. H. Revis, Inc., New York.
Welty Fountain Pens. Wm. A. Welty, Waterloo, Ia.
Wemco Fire Brick. W. E. Mushet Co., San Francisco, Cal.
Wemco Oil. Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
Wemco Welding Materials. Welding Materials Co., New York.
Wemple Window Rollers. Jay C. Wemple Co., New York.
Wendelburg Electric Hammers. Awendou Elec Hammer Co., New York.
Wendell Centrifugal Dryers. Link-Belt Co., Chicago, Indianapolis, Philadelphia; H. W. Caldwell & Son, Chicago.
Wendover Silent Syphon Jet Water Closets. Central Metal & Supply Co., Baltimore, Md.
Wenshaw Kitchen Sinks. Sanitas Mfg. Co., Boston, Mass.
Wentworth Saw Vises. Sargent & Co., New Haven, Conn.; E. C. Stearns & Co., Syracuse, N. Y.
Wentz Thermostats. Thomas Yoder Mfg. Co., Cleveland, O.
Wenzelman and Take Down Hay Rack Clamps. The F. E. Meyers & Bro., Ashland, O.
Wenzelman Portable Grain Elevator Dumps. Wenzelman Mfg. Co., Galesburg, Ill.
Werco Cement, Asphalts, Paints and Roofing. Western Elaterite Roofing Co., Denver, Colo.
Werco Pitch. Weaver Roof Co., Los Angeles, Calif.
Werder Lubricators and Pumps. Milwaukee Metal Working Co., Milwaukee, Wis.
Werkspoor Diesel Marine Engines. Pacific Diesel Engine Co., Oakland, Cal.
Werne Alloys. General Bronze Foundry Co., The, Cleveland, O.
Werner Player Pianos. M. Schultz Co., Chicago.
Wernick Flue Cutters. Jas. McCrea & Co., Chicago.
Werwel Drilling Cable. Ajax Rope Company, Inc., New York.
Wesco Calsomine and Cold Water Paints. West Coast Kalsomine Co., Berkeley, Cal.
Wes-Co Exhausts and Blow Piping. Wesco Blower & Pipe Co., Oakland, Cal.
Wesco Insulating Compounds. Wesco Supply Co., St. Louis, Mo.
Wesco Tool Steel. Braeburn Steel Co., Braeburn, Pa.
Wesco Roofkote or Boilerkote. W. E. Smith Mfg. Co., Cleveland, O.
Wesely Laundry Tubs, Sinks, Catch Basin Covers, Etc. Chas. Wesely Co., Chicago.
Wesite High Pressure Sheet Packing. Western Packing & Supply Co., Chicago.
Wesix Electric Heaters. W. Wesley Hicks, San Francisco, Cal.

Wespac Canned Goods. West Coast Packing Co., Long Beach, Cal.
Wessoleck Windshield Cleaners. A. W. Wessoleck, New Britain, Conn.
West Bend Aluminum Ware. West Bend Aluminum Co., West Bend, Wis.
West's Carriage Top Dressing. L. M. West's Sons, Rockford, Ill.
West Cast Steel Auto Truck Wheels. The West Steel Casting Co., Cleveland, O.
West Coast Porcelain Enamelware, Plumbing Supplies. West Coast Porcelain Mfrs., Millbrae, Cal.
West Curling Irons. West Elec. Hair Curler Co., Philadelphia.
West End Trolley Wheels. Albert & J. M. Anderson Mfg. Co., Boston.
West Haven Machinists, Scribers and Spring Leaf Openers. Millers Falls Co. Millers Falls, Mass.
West Hydraulic Tire Setters. West Tire Setter Co., Rochester, N. Y.
West-Made Desks and Office Furniture. West-Made Desk Co., Lewis & Loring, Portland, Ore.
West Texas Well Drilling Machinery. San Antonio Machine & Supply Co., San Antonio, Texas.
West Virginia Rails. The West Virginia Rail Co., Huntington, W. Va.
Westbrook Elevators. Westbrook Elevator Mfg. Co., Inc., Danville, Va.; W. J. Westbrook Elevator Co., Greensboro, N. C.
Westcoste Automobile Springs. West Coast Steel Co., Tacoma, Wash.
Westcott Air Meters. Metric Metal Works, Erie, Pa.
Westcott Chucks. Westcott Chuck Co., Oneida, N. Y.
Westcott Combination Lathe Chucks. Westcott Chuck Co., Oneida, N. Y.
Westcott's Lathe Chucks. Westcott Chuck Co., Oneida, N. Y.
Westcott Little Giant Screw Machine Chucks. Westcott Chuck Co., Oneida, N. Y.
Westcott S. Adjustable Wrenches. Keystone Mfg. Co., Buffalo, N. Y.
Westcott Sedan Motor Cars. The Westcott Motor Car Co., Springfield, O.
Westcott Wrenches. Keystone Mfg. Co., Buffalo, N. Y.
Westerfield Gasoline Engines. Dice Machine Co., Anderson, Ind.
Western Angle Cock Holder, Flush Car Doors, Truck End Castings. Brake Jaws. Western Railway Equipment Co., St. Louis, Mo.
Western Angle Cock Holder. Railway Devices Co., St. Louis, Mo.
Western Ball, Thrust and Radio Thrust Bearings. Western Bearings Co., Chicago.
Western Barn Equipment. Hudson Mfg. Co., Minneapolis, Minn.
Western Belle Riding Drills, Listers. Moline Plow Co., Moline, Ill.
Western Bob Sleds, Wire Stretchers. Western Steel & Iron Works, De Pere, Wis.
Western Brake Levers, Car Lines, Carsill Pockets, Locomotive Bell Ringers. Western Railway Equipment Co., St. Louis, Mo.
Western Chief Blacksmiths' Tools. Canedy-Otto Mfg. Co., Chicago Heights, Ill.
Western Chief Blowers, Forges and Post Drills. Canedy-Otto Mfg. Co., Chicago Heights, Ill.
Western Chief Stitched Canvas Belting. W. D. Allen Mfg. Co., Ch'go.
Western Corn Shellers, Grain Cleaning and Grading Machinery. Union Iron Works, Inc., Decatur, Ill.
Western Culverts. Western Pipe & Steel Co. of California, San Francisco, Cal.
Western Dry Kilns, Exhaust Heads, Mechanical Dust Collectors. J. K. Miller Co., Seattle, Wash.
Western Dump Cars, Spreader Cars, Dump Wagons, Contractors' Plows, Road Scrapers, Studebaker Wagons, Wheeled Scrapers and Drag Scrapers. Western Wheeled Scraper Co., Aurora, Ill.
Western Electric Davis Flood Lamps. Western Electric Co., New York.
Western Electric Habirshaw Wire. Western Electric Co., New York.
Western Electric Telephones. Western Electric Co., New York.
Western Electric Vacuum Sweepers and Clothes Washers. Western Elctric Co., New York.
Western Elevating Grader. Western Wheeled Scraper Co., Aurora, Ill.
Western Equalizers. Harvey Spring & Forging Co., Racine, Wis.
Western Fuses. Central Railway Signal Co., Pittsburgh, Pa.
Western Hose Valves. American Foundry & Mfg. Co., St. Louis, Mo.
Western Hot Air Furnaces. Western Foundry & Furnace Co., Tacoma, Wash.
Western King Hay and Corn Cutter Knives. Wallingford Mfg. Co., Wallingford, Vt.
Western King Rawhide Packing. Strong Machinery & Supply Co., New York.
Western Laundry Stoves. Gray & Dudley Hdwe. Co., Nashville, Tenn.
Western Lawn Mowers. Dille & McGuire Co., Richmond, Ind.
Western Liquid Polish. Western Robe Mills, Chicago.
Western Mald Soaps and Soap Powder. Western Soap Co., Spokane, Wash.
Western Motor Trucks. Western Truck Mfg. Co., Chicago.
Western Oil and Gas Engines. Western Machy. Co., Los Angeles, Cal.
Western Safety Cargo Hooks. Thos. Laughlin Co., Portland, Me.
Western Soda Fountain. Western Show Case & Fixture Co., Los Angeles, Cal.
Western Special Threshers. Huber Mfg. Co., Marion, O.
Western Steel Wagon Skeins. Illinois Iron & Bolt Co., Carpentersville, Ill.
Western Sugar Cane Mills. C. S. Bell Co., Hillsboro, O.
Western Track Relays. J. H. Bunnell & Co., New York.
Western Tubular Radiators. Western Radiator Co., Chicago.
Western Union Codes. M. R. Bensinger Co., Inc., New York.
Western Universal Automobile Wind Shields. Western Mechanical Works, Los Angeles, Cal.
Western Venetian Blinds. Western Blind & Screen Co., Los Angeles, Calif.
Western Vises. Western Tool & Mfg. Co., Springfield, O.
Western Waterproofing System. Western Waterproofing Company, St. Louis, Mo.
Westest Electric Products, Safety Switches. Western Safety Mfg. Co., Inc., San Francisco, Cal.
Westex Upholstery Fabric. Western Cartridge Co., East Alton, Ill.
Westfalia Mine Rescue Apparatus, Respirators. S. F. Hayward & Co., New York.
Westfield Comealongs. Eureka Co., North East, Pa.
Westfield Lawn Mowers. Supplee-Biddle Hardware Co., Philadelphia.
Westgate Automatic Elec. Cooking Cabinets, Elec. Appliances, Heaters, Stoves and Disc Wheels. West Gate Metal Products Co., Oakland, Cal.
Westgate-Lane Elec. Air Coolers for Homes. West Gate Metal Products Co., Oakland, Cal.
Westinghouse Air Brakes for Steam and Electric Railway Service; Automotive Air Brakes for Trucks, Buses and Passenger Cars; Automatic Car, Air and Electric Couplers for Electric Cars; Motor, Belt and Steam Driven Air Compressors for all uses; Friction Draft Gears (Shock-Absorbers) for Steam Railway Locomotives and Cars. Westinghouse Air Brake Co., Wilmerding, Pa.; Westinghouse Traction Co., Wilmerding, Pa.
Westinghouse Air Spring Shock Absorbers. Westinghouse Air Spring Co., New Haven, Conn.
Westinghouse Batteries. Westinghouse Union Battery Co., Swissvale, Pa.
Westinghouse Clover Hullers and Threshers. Westinghouse Co., Schenectady, N. Y.
Westinghouse Dynamos and Motors; Wattmeters; Electrical Instruments; Leblanc Air Pumps; Condensers, Steam Turbine and Underfeed, Overfeed and Chain Grate Stokers; Water-Wheel Generators, Weatherproof Oil Switching Devices, Electric Furnace Equipment, Outdoor Transformer Substation, Trolley Wire Suspensions and Clamps. Westinghouse Electric & Mfg. Co., Pittsburgh, Pa.
Westinghouse Gas Meters. Pittsburgh Meter Co., E. Pittsburgh, Pa.
Westinghouse Mazda Lamps. Westinghouse Lamp Co., Pittsburgh, Pa.
Westinghouse National Air Brakes. Westinghouse Traction Brake Co., Wilmerding, Pa.
Westinghouse Signal System. Union Switch & Signal Co., Swissvale, Pa.
Westinghouse Valve Testing Device. Westinghouse Air Brake Co., Pittsburgh, Pa.
Westite High Pressure Compressed Sheet. Western Packing & Supply Co., Chicago.
Westland Hose Nozzles. Allen Fire Dept. Supply Co., Providence, R. I.
Westlund Friction Clutches, Cut-Off Couplings, Sash Locks, Engine and Screw Cutting Lathes. C. G. Westlund Co., Worcester, Mass.
Westman Gasoline Engines. Enterprise Machinery Co., Minneapolis.
Westminster Paris White. H. F. Taintor Mfg. Co., New York.
Westmont Enamel Paper. West Virginia Pulp & Paper Co., Inc., New York.
Westmoore Aero Propellers. Schweizer & West Mfg. Co., Chicago.
Westmoreland Sight Feed Lubricators. Kelly & Jones Co., Greenburg, Pa.
Westolite Cleaning Powder. West Disinfecting Co., New York.
Weston Ammeters, Garage Testing Instrument. Indicating Instruments. Weston Electrical Instrument Co., Newark, N. J.
Weston Belt Clips. Greene, Tweed & Co., New York.
Weston Centrifugals. American Tool & Machine Co., Boston, Mass.
Weston Chain Blocks. David Round & Son, Cleveland.
Weston Chain Hoists. Clinton E. Hobbs Co., Boston, Mass.; Jas. H. Channon Mfg. Co., Chicago.
Weston Linen Ledger Paper, Loose Leaf Paper. Byron Weston Co., Dalton, Mass.
Weston Ratchet Drills. Keystone Mfg. Co., Buffalo, N. Y.
Weston Rock Crushers. Morgan Engineering Co., Alliance, O.
Weston's Ratchet Drills. Irving Mfg. & Tool Co., New York.
Westover Steam and Hot Water Heaters. West Coast Iron & Steel Works, Inc., Portland, Ore.
Westowl Paper Towels. West Disinfecting Co., New York.
Westvaco Book and other Papers. West Virginia Pulp & Paper Co., Inc., N. Y.
Wethrprufe Cement Bags. West Jersey Paper Mfg. Co., Camden, N. J.
Wetite Belting and Cement. New York Leather Belting Co., New York.
Wetmore Expanding Reamer. Wetmore Reamer Co., Milwaukee, Wis.
Wetordry Garnet or Flint Paper. Minnesota Mining & Mfg. Co., Chicago.
Wetordry Tri-M-Ite Paper. Minnesota Mining & Mfg. Co., Chicago.
Wetprufe Pan Belts and Cone Clutch Facings. Hide Leather & Belting Co., Indianapolis, Ind.
Wetstick Library Paste. Ink Ribbon Mfg. Co., San Francisco, Calif.
Wetstone Waterproofing Belting. W. S. Nott Co., Minneapolis, Minn.
Wetting Step Ladders. Bent Rung Ladder & Mfg. Co., Indiana, Pa.
Wew Valves. William E. Williams, New York.
Wexford Motor Taping and Rubber Coated Cloth. L. C. Chase & Co., Boston, Mass.
Whale Amber Leather Dressing. Western Importing Co., Minneapolis, Minn.
Whale Leather Belting. Moloney Belting Co., Chicago.
Whale Waterproof Leather Belting. Bennett-McGuire Belting Co., St. Louis, Mo.
Whalebone Barber Whisk Broom. Deshler Broom Factory, Deshler, Neb.
Whale-Bone-Ite Closet Seats. Brunswick-Balke-Collender Co., Chi'go.
Whalebone Leather Belting. Charlotte Leather Belting Co., Charlotte, N. C.
Whalen Culvert Forms. Concrete Form Co., Inc., Syracuse, N. Y.
Whalen Planer Tools. Cincinnati Planer Co., Cincinnati, O.
Whall's Fibre and Fuses. C. H. Whall Co., Boston, Mass.
Whall's Railroad Fibre. C. H. Whall Co., Boston, Mass.
Wharton-O'Brien Headrods, Insulated Operating and Lock Rods. Wm. Wharton, Jr., & Co., Inc., Easton, Pa.
Wharton Switches, Derailers, Guard Rail Clamps and Manganese Frogs, Switches and Crossings. Wm. Wharton, Jr., & Co. Inc., Easton, Pa.
What Cheer Axes, Hand Saws, Hatchets, Mining Picks. What Cheer Tool Co., What Cheer, Ia.
Whatman Filter Paper. Eimer & Amend, New York.
Wheat Electric Mine Lamp. Koehler Mfg. Co., Inc., Marlboro, Mass.
Wheaton Barrel and Tank Truck Faucets, Loading Valves, Etc. A. W. Wheaton Brass Works, Newark, N. J.
Wheatcraft Coffee Roasters. Originator Manufacturing Co., N. York.
Wheatley Belt Dressing, Carbon Removers. Panama Oil & Grease Co., New York.
Wheaton Wire Rope Clamps. C. M. Wheaton & Co., Sunbury, O.
Wheco Drop Forgings. Marine Hardware Equipment Co., S. Portland, Me.
Wheeler-Balcke Water Cooling Towers. Wheeler Condenser & Engineering Co., Cartert, N. J.
Wheeler-Barnard Water Cooling Towers. Wheeler Condenser & Engineering Co., Carteret, N. J.
Wheeler Centrifugal Pumps, Condensers, Vacuum Pumps, Air Pumps, Evaporators, Cooling Towers, Etc. **Wheeler Condenser & Engr. Co., Carteret, N. J.**
Wheeler-Edwards Air Pumps. Wheeler Condenser & Eng'g Co., Carteret, N. J.
Wheeler Exhaust Gate Valves. C. H. Wheeler Mfg. Co., Philadelphia.
Wheeler Protective Apparel. F. H. Wheeler Mfg. Co., Chicago.
Wheeler Pumps and Towers. C. H. Wheeler Mfg. Co., Phila., Pa. delphia, Pa.
Wheeler Reflectors, Electric Lamp Hoods, Mirror Shades. Wheeler Reflector Co., Boston, Mass.
Wheeler Sidewalk Snow Plows. Dyar Supply Co., Cambridge, Mass.
Wheeler's Extractors and Separators. Wheeler Gravity Cream Separator Co., Syracuse, N. Y.
Wheeler's Silex Paste, Varnishes, Paint and Wood Finishing Products. Bridgeport Wood Finishing Co., New Milford, Conn.

Wheeler's Wood Filler. E. I. du Pont de Nemours & Co. Inc., Paint and Varnish Dept., Philadelphia; Chicago Varnish Works, Chicago.
Wheeler-Pratt Water Cooling Towers. C. H. Wheeler Mfg. Co., Philadelphia.
Wheeler & Wilson Carriage Bows. Eureka Bending & Wheel Wks., York, Pa.; Metropolis Bending Co., Metropolis, Ill.
Wheeling Corco Copper Steel Conductors, Pipes. Wheeling Corrugating Co., Wheeling, W. Va.
Wheeling Oil Cans, Stove Pipes and Dampers and Wire Nails. Wheeling Corrugating Co., Wheeling, W. Va.
Wheeling One-Piece Culverts. Wheeling Corrugating Co., Wheeling, W Va.
Wheelock Automobile Lock. H-R Manufacturing Co., Chicago.
Wheelock Centripetal Gas Burners. Wheelock Gas Appliance Corp., of N. E. Framingham, Mass.
Whelco Tool Steels. Wheelock, Lovejoy & Co., Cambridge, Mass.
Which Will Win Plumbers' and Miners' Candles. Standard Oil Co., of N. Y., New York.
Whipp Metal Shaping Machines. Whipp Machine Tool Co., Sidney, O.
Whirlpool Basting Spoons. Ira F. White & Son Co., Bloomfield, N. J.
Whirlpool Leather Belting. Charles Bond Co., Philadelphia, Pa.
Whirlwind Air Tire Pumps. New England Tube & Stamping Co., Inc., West Haven, Conn.
Whirl-Wind Auto Finish. Samoline Corp., Inc., Chicago.
Whirlwind Barn Door Hangers. J. E. Porter Co., Ottawa, Ill.
Whirlwind Blast Anti-Clinker Irons. Champion Blower & Forge Co., Lancaster, Pa.
Whirlwind Fans. Westinghouse Electric & Mfg. Co., E. Pittsburgh
Whirlwind Feed Cutters. Wilder-Strong Implement Co., Monroe, Mich.
Whirlwind Insect Guns. Thos. W. Houchin Co., New York.
Whirlwind Oil Burner. S. T. Johnson Co., San Francisco, Cal.
Whirlwind Soot Blowers. General Specialty Co., Buffalo, N. Y.
Whisler Nut Splitters. Whisler Mfg. Co., Ottumwa, Iowa.
Whispering Telephone Mouthpieces. Colytt Laboratories, Chicago.
Whitaker Battery Accessories. Whitaker Battery & Sup. Co., Kansas City, Mo.
Whitaker Door Hangers, Garden Cultivators and Grapple Forks. Whitaker Mfg. Co., Chicago.
Whitaker Open Hearth Steel. Whitaker-Glessner Co., Portsmouth Works, Portsmouth O.
Whitco Casement Window Hardware. Vincent Whitney Co., San Frnacisco.
Whitcomb Barn Door Latches. Albany Hardware Specialty Mfg. Co., Albany, Wis.
Whitcomb-Blaisdell Planers and Engine Lathes. Reed-Prentice Co., Worcester, Mass.
Whitcomb Gasoline Locomotives, Storage Battery Locomotives, Trolley Locomotives; Steam Locomotives. G. D. Whitcomb Co., Rochelle, Ill.
White Automobile and Trucks. The White Co., Cleveland, O.
White "Auto-Tite" Flexible Pipe Joint. International Couplers Co., Pittsburgh, Pa.
White Bear Bath Cocks. Standard Brass Castings Co., Oakland, Calif.
White Bear Hydrated Lime. Hanibal Lime Co., Hannibal, Mo.
White Belting. Western Raw Hide & Belting Co., Milwaukee, Wis.
White Bird Kitchen Sets. Cassady Fairbank Mfg. Co., Chicago.
White Buffalo Reclaimed Rubber. U. S. Rubber Reclaiming Works, New York.
White Canoes, Motor Boats. E. M. White & Co., Old Town, Me.
White Cedar Cylinder Churns. Richmond Cedar Wks., Richmond, Va.
White Cement Enamel Paints. Glidden Varnish Co., Cleveland, O.
White City Ice Picks and Shavers and Savings Banks. Nicol & Co., Chicago.
White City Packing. Pilley Pack. & Flue Brush Mfg. Co., St. Louis, Mo.
White Copal Enamels. Newark Varnish Works, Newark, N. J.
White Cross Mechanics Soap. Theo. B. Robertson Products Co., Chicago.
White Cross Medical Batteries; Vibrators; Fans; Motors; Grilles; Stoves; Toasters, Irons and Hot Plates. National Stamping & Electric Works, Chicago.
White Cross Rubber Hose. Home Rubber Co., Trenton, N. J. National India Rubber Co. Bristol, R. I.
White Cross Surgical Gauze. Am. Gauze & Cotton Co., Inc., St. Louis.
White Deer Packing. La Favorite Rub. Mfg. Co., Hawthorne, N. J.
White Diamond Enameled Metal Ware. Shapleigh Hardware Co., St. Louis, Mo.
White Diamond Piston Packing. Combination Rubber Mfg. Co., Bloomfield, N J.
White Diamond Polishing Compound. Matchless Metal Polish Co., Chicago.
White Dove Core Packing. Cancos Mfg. Co., Philadelphia, Pa.
White Eagle Petroleum Products. White Eagle Oil & Refining Co., Wichita, Kansas.
White Elk Hydrated Lime. Pebble Lime Works, Pocatello, Idaho
White Enamel Rubber Packing. Manhattan Rubber Mfg. Co., Passaic, N. J.
White End Open Hearth Steel. Hawkridge Bros. Co., Boston.
White Enamel Refrigerators. White Enamel Refrigerator Co., St. Paul, Minn.
White Enamels. Edw. Smith & Co., Long Island City, N. Y.
White Frost Metal Refrigerators. Home Prod. Corp., Jackson, Mich.
White Gasoline Engines. Eau Claire Mfg. Co., Eau Claire, Wis.
White Hen Glass Washboards. National Washboard Co., Chicago.
White Ivory Brand Toothpicks. H. A. Stiles, Boston.
White Jacket Flour. Grafton Roller Mill Co., Grafton, N. D.
White King Fire Hose. B. F. Goodrich Co., Akron, O.
White King Laundry Soap and Soap Powder. Los Angeles Soap Co., Los Angeles, Calif.
White Light Mantle Kerosene Lamp Burners. Wheeling Stamping Co., Wheeling, W. Va.
White Lilly Brooms. Deshler Broom Factory, Deshler, Neb.
White Lily De Luxe Washing Machines. White Lily Mfg. Co., Davenport, Iowa.
White Lily Gasoline Motors. White Lily Washer Co., Davenport, Ia
White Lily Pork Products, Hams and Butter. Dunlevy-Franklin Co., Pittsburgh
White Lily Washing Machines. White Lily Mfg. Co., Davenport, Ia.
White Line Automobile and Textile Supplies. White Products Co., Chicago.
White Mechanical Fuel Oil Burning System. Washington Engine Works, New York.
White Mop Wringers. White Mop Wringer Co., Fultonville, N. Y.
White Motor Trucks. The White Co., Cleveland, O.
White Mountain Fruit and Vegetable Parers. Goodell Co., Antrim, N. H.
White Mountain Ice Cream Freezers. White Mountain Freezer Co., Nashua, N. H.
White Mountain Refrigerators. Maine Mfg. Co., Nashua, N. H.
White Opalite Rolling Pins. Imperial Mfg. Co., Cambridge, Ohio.
White-O-Right Shoe Dressing. Selz Best Mfg. Co., Chicago.
White Paper Cutting Machines. E. C Fuller Co., New York.
White Pyralin Bath Room Fixtures and Furnishings. C. I. Church Mfg. Co., Holyoke, Mass.
White Rock Linen Ledger Paper. W. B. Oglesby Paper Co., Middletown, O.
White Rock Wood Fibre Plaster. Am. Cement Plaster Co., Buffalo, N. Y.
White Rose Cold Water Paints. Columbia Refining Co., New York.
White Rubber Hose. Mechanical Rubber Co., Cleveland, O.
White Saw Swages. Phoenix Mfg. Co., Eau Claire, Wis.
White Seal Hydraulic Packing. Hewitt Rubber Co., Buffalo, N. Y.
White Seal Oxide of Zinc. New Jersey Zinc Co., New York.
White Shield Rubber Hose. Fabric Fire Hose Co., New York.
White Southern Marble. Georgia Marble Co., Tate, Ga.
White Squadron Piston Packing. Cancos Mfg. Co., Philadelphia, Pa.
White Star Arc Gasoline Lamps. White Mfg. Co., New York.
White Star Hydrated Lime. Louisville Cement Co., Louisville, Ky.
White Star Sanitary Wiping Rags. Sanitary Rag Co., Kalamazoo, Mich.
White Star Valves. Wm. Powell Co., Cincinnati, O.
White Star White and Red Lead. W. W. Lawrence & Co., Pittsburgh.
White Stripe Cord Fan Belts. Advance Automobile Accessories Corp., Chicago.
White Strip Leather Belting. Chicago Belting Co., Chicago.
White Top Wood Fiber Gypsum. Southern Gypsum Co., (inc.), North Holston, Va
White Way Lighting Standards. King Manufacturing Co., St. Joseph, Mo.
White Way Cast Iron Columns. Beard Foundry & Machine Works, Arkansas City, Kans.
White Way Polish. W C. Ross Mfg. Co., Little Rock, Ark.
White Way Washing Machines. White Lily Mfg. Co., Davenport, Ia.
White's Grate Bar. Steam Appliance Co., Milwaukee, Wis.
White's Patent Oscillating Screen. J. & W. Jolly, Inc., Holyoke, Mass.
Whiteco Elastic Crucible Paint. A. H. White Co., New Orleans, La.
Whitehall Portland Cement. Whitehall Cement Mfg. Co., Phila., Pa.
Whitedge Typewriter Ribbons. H. M. Storms Co., New York.
Whitely's Crown Steel Castings. Whitely Steel Co., Muncie, Ind.
Whitefield Carbon Paper. Whitefield Carbon Paper Works, New York.
Whitehouse Automobile Hardware. E. A. Whitehouse Mfg. Co., Newark, N. J.
Whitehouse Bread Toasters. Roseland Can & Specialty Co., Rockford, Ill.
Whiting-Adams Vulcan Rubber Cemented Brushes. John L. Whiting-J. J. Adams Co., Boston, Mass.
Whiting & Woodman Forged Saw Sets. Kilbourn & Bishop Co., New Haven, Conn.
Whiting Cupolas, Cranes, Air Hoists. Whiting Corp., Harvey, Ill.
Whiting's Brushes. John L. Whiting-J. J. Adams Co., Boston, Mass.
Whitire Automobile Tire Coating. Sam'l H. French & Co., Phila.
Whitelite Nitrogen Lamps. Whitelite Electric Co., New York.
Whitlock All-Manila Rope. Whitlock Cordage Co., New York.
Whitlock-American Heaters. Whitlock Coil Pipe Co., Hartford, Conn.
Whitlock Double Lap Joint Pipe Coolers, Heaters and Ammonia Receiver. Whitlock Coil Pipe Co., Hartford, Conn.
Whitlock Joints. Whitlock Coil Pipe Co., Hartford, Conn.
Whitlock Rope and Cordage. Whitlock Cordage Co., New York.
Whitman Root Cutters. Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Whitman Saddles. Perkins-Campbell Co., Cincinnati, O.
Whitemore's Belt Dressing. Plomo Specialty Mfg. Co., Cleveland.
Whitemore's Gear Protective Composition. Whitemore Mfg. Co., Cleveland.
Whitmores Cable Dressing. American Spec. Mfg. Co., Cleveland, O.
Whitney Car Wheels. Enterprise Foundry & Machine Works, Bristol, Tenn.; Sanford-Day Iron Works, Knoxville, Tenn.
Whitney Casement Window Hinges nad Hardware. Whitney Window Corp., Minneapolis, Minn.
Whitney Chains, Cutters, Front End Motor Chain Drives, Etc. Whitney Mfg. Co., The, Hartford, Conn.
Whitney Cotton Hooks. Sargent & Co., New Haven, Conn.
Whitney Cylinder Grinders. Baxter D. Whitney & Son, Winchendon, Mass.
Whitney Hand Power and Portable Punches. Whitney Metal Tool Co., Rockford, Ill.
Whitney Key Seating Machines, Keys, Cutters and Chains. Whitney Mfg. Co., Hartford, Conn.
Whitney Lavatories. Crane Co., Chicago.
Whitney Mailing Boxes. Jencks Paper Box Co., Providence, R. I.
Whitney Portable Punches. Whitney Metal Tool Co., Rockford, Ill.
Whitney Roller and Silent Type Chains. Hand Feed Milling Machines. The Whitney Mfg. Co., Hartford, Conn.
Whitney Traction Engines. Ohio Mfg. Co., Upper Sandusky, Ohio.
Whitney Tractor. Ohio Mfg. Co., Upper Sandusky, O.
Whitney Window Casement Adjusters. H. E. Holbrook Co., Boston.
Whitney Wonder Roller Bearing Wheels. Sanford-Day Iron Works, Knoxville, Tenn.
Whitney Wood Scraping Machines. Motor-Driven Planing Machines. Baxter D. Whitney & Son, Winchendon, Mass.
Whiton Centering Machines, Gear Cutting Machines and Lathe Chucks. D. E. Whiton Machine Co., New London, Conn.
Whittaker Hill Novaculite. Egyptian Novaculite Co., St. Louis, Mo.
Whittier Oven Thermometers. Cooper Oven Thermometer Co., Pequabuck, Conn.
Whittingham Motor Switches. Automatic Switch Co., New York.
Whittingham Rheostats. D. H. Darrin, New York.
Whittingham Switches and Rheostats. Automatic Switch Co., New York.
Whittington Pipe Vises. Whittington-Vaughn Co., Easton, Pa.
Whittles Cloth Feeders. Tillotson Humidifier Co., Providence, R. I.
Whitton Bottle Filling Machines. U. S. Bottlers' Machy. Co., Chgo.
Whiz Greases, Polishes, etc. R. M. Hollingshead Co., Camden, N.J.
Whiz Hand Soap. Davies, Young Soap Co., Dayton, O.
Whiz Vegetable Slicer. Alsteel Mfg. Co., Battle Creek, Mich.
"Wiard" Drilling and Cutting Tools. American Standard Tool Wks., Detroit, Mich.
Wiard's Standard Washing Machines. Wiard Mfg. Co., E. Avon, N. Y.
Wiccapee Rubber Hose and Belting. New York Rubber Co., New York.
Wichita Motor Trucks and Farm Tractors. Wichita Motors Co., Wichita Falls, Tex.
Wickes Vertical Water Tube Boiler. Wickes Boiler Co., Saginaw, Mich.
Wicks' Patent Life Boat Releasing Blocks. David Kahnweiler's Sons, New York.
Wickwire Wire Cloth, Poultry Fence, etc. Wickwire Bros., Cortland, N. Y.
Wickwire Wire Rope (Galvanized, Iron and Steel). Wickwire Spencer Steel Corp., New York.

Wico Gas and Gasoline Engine Igniters. Wico Electric Co., Springfield, Mass.
Widdicomb Phonographs. Widdicomb Co., John, Grand Rapids, Mich.
Widdowson Stave Jointing Machines. Rochester Barrel Machine Works, Rochester, N. Y.
Wide World Barrel Spray Pumps. Hudson Mfg. Co., Minneapolis, Minn.
Wids Rubber Heels. The Wids Co., Charles River, Mass.
Wiedeke Flue Cutters. Gustav Wiedeke & Co., Dayton, O.
Wiederholdt Chimneys. Wiederholdt Construction Co., St. Louis, Mo.
Wiederwax Preheaters and Gas Burners. Geist Mfg. Co., Atlantic City, N. J.
Wiegand Fire Screen Doors. E. J. Codd Co., Baltimore, Md.
Wieland Standard Pipe Cutting and Threading Machines. Standard Engineering Co., Ellwood City, Pa.
Wie-Pull Pulley Guides. Louis Wiebke, New York.
Wiggins Floating Roofs. Chicago Bridge & Iron Works, Chicago.
Wigle Pipe and Casing Hooks. Regan Forge & Engineering Co., San Pedro, Calif.
Wigle Pump Pistons, Casing Heads and Sucker Pullers. Wigle & McBride, Inc., Long Beach, Calif.
Wig Wag Crossing Signals. Railroad Supply Co., Chicago.
Wiggins Peerless Book Form Cards. John B. Wiggins Co., Chicago.
Wiggletail Cultivators. International Harvester Company of America, Inc., Chicago.
Wilbern Adjustable Barn, Car, Elevator and Fire Door Hangers. Stowell Co., Milwaukee, Wis.
Wilbern Doors and Hangers. Stowell Co., So. Milwaukee, Wis.
Wilbow Plumbers Force Cups. Williams-Bowman Rubber Co., Chicago.
Wilce's Hardwood Flooring. The T. Wilce Co., Chicago.
Wilco Electrical Contacts, 14k and 18k, white gold, platinum, Silver Sheet and Wire Thermostats, Heat Regulators, Thermostatic Metal, Etc. H. A. Wilson Co., Newark, N. J.
Wilco Tools. Williams Hardware Co., Clarksburg, W. Va.
Wilcox Door Hangers, Manual Training Benches, Sickle Grinders, Wagon Jacks, Vises. Richards-Wilcox Mfg. Co., Aurora, Ill.
Wilcox Gate Valves, Pipe Fittings. Coldwell-Wilcox Co., Newburgh, N. Y.
Wilcox Receivers, Amplifiers and Condensers. Wilcox Laboratories, Lansing, Mich.
Wilcox Stay-On Door Hangers. Richards-Wilcox Mfg. Co., Aurora, Ill.
Wilcox Self-Sealing Gaskets. E. A. Wilcox Mfg. Co., Chicago.
Wilcox-Tandem Barn Door Hangers. Richard Wilcox Mfg. Co., Aurora, Ill.
Wilcox Trux Automobile. Wilcox Trux, Inc., Minneapolis, Minn.
Wilcox World Wide Door Hangers. Richards-Wilcox Mfg. Co., Aurora, Ill.
Wild Duck Black Oil Duck and Buckram. Chandler Oil Cloth & Buckram Co., East Taunton, Mass.
Wild Rock and Ore Crushers. Mining Screens. Morse Bros., Machy. & Sup. Co., Denver, Colo.
Wilde Shoveling and End Gate Boards. Klondike Incubator Co., Des Moines, Ia.
Wilder Metal. Wilder Metal Coating & Mfg. Co., Connellsville, Pa.
Wilder Thermometers. Wilder-Pike Thermometer Co., Troy, N. Y.
Wildfire Airtight Stoves. B. C. Bibb Stove Co., Baltimore, Md.
Wild's Linoleum and Cork Carpet. Jos. Wild & Co., New York.
Wiley's Waxene Floor Finish. I. H. Wiley Waxene Co., Boston.
Wilfley Ore Concentrators and Slime Tables. Mine & Smelter Supply Co., New York.
Wilgus Fuel Oil Pumping Systems, Pump Governors. Wilgus Mfg. Co., Los Angeles, Cal.
Wilhelm Sealing Compounds. A. Wilhelm Co., Reading, Pa.
Wilhelme Range Boilers. Hayes Mfg. Co., Paterson, N. J.
Wilkes Heaters. S. Wilkes Mfg. Co., Chicago.
Wilkes Hot Water Heaters. S. Wilkes Mfg. Co., Chicago.
Wilkins Improved Gauge Glass Cutters, Lead Joint Runners. George H. Wilkins Co., Chicago.
Wilkinson Engine and Machine Oilers. Wilkinson Mfg. Co., New York.
Wilkinson Sheffield, England, Imp. Sheep Shears. Wiebusch & Hilger, New York.
Willakenzie Handles, Dowels and Hardwood Specialties. Eugene Handle Co., Eugene, Ore.
Willard Lathes. Willard Machine Tool Co., Cincinnati, O.
Willard Storage Batteries. Willard Storage Battery Co., Cleveland, O.
Willcox Feed Water Weighers. Willcox Engineering Co., Saginaw, Mich.
Willett-Bruce Whistle Control. The McNab Co., Bridgeport, Conn.
Willey's Filup Fillers. C. A. Willey Co., New York.
Wm. Beatty & Sons Broad Axes, Hedge Knives, Picks, Bush Hooks, Butchers' Cleavers and Hatchets. Jno. B. Black Co., Inc., Chester, Pa.
Wm. Penn Soap Chips. J. Eavenson & Sons, Camden, N. J.
Williamette Tents and Canvas Goods. Hirsch-Weis Mfg. Co., Portland, Ore.
Williams Automobile Wind Shields. Twentieth Century Garage, S. Bend, Ind.
Williams Automobile Headlights. Darsie Mfg. Co., Los Angeles, Cal.
Williams Automobile Spotlights. Williams Mfg. Co., Los Angeles.
Williams Accelerators. Williams Bros. Aircraft Corp., San Francisco.
Williams' Ball Valves, Check Valves, Brass and Iron Gate Valves. Hose Valves, Hydraulic Valves, Needle Valves, Quick Opening Valves, Radiator Valves, Regrinding Valves, Throttle Valves, Whistle Valves. Williams & Wells Co., New York.
Williams-Bullen Pump Valve. The Williams Gauge Co., Pittsburgh, Pa.
Williams Clam Shell Buckets. G. H. Williams Company, Erie, Pa.
Williams Color Eye Testing Lanterns. Peter Gray & Sons, Inc., East Cambridge, Mass.
Williams Crushers and Grinders. Williams Patent Crusher & Pulverizer Co., St. Louis, Mo.
Williams Drop Forgings. Williams Drop Forging Co., Scranton, Pa.
Williams Excavating Buckets. T. G. H. Williams Co., Erie, Pa.
Williams First Aid and Ambulance Stretcher. Williams Improved Stretcher Co., Wheeling, W. Va.
William's Improved Mine Stretcher. William's Improved Stretcher Co., Wheeling, W. Va.
Williams Maple Sugar Evaporators. Vermont Farm Machine Co., Bellows Falls, Vt.
Williams Mill Strapping and Goodyear Welting. I. B. Williams & Sons, Dover, N. H.
Williams Oil-O-Matic Heating. C. U. Williams & Sons, Bloomington, Ill.
Williams Pipe Machine. Williams Tool Co., Erie, Pa.
Williams Pistons and Pistonoy Rings. Gray and Son, Inc., Chicago.
Williams Reed Splitter. Williams & Thomas, Oakland, Cal.
Williams Regulators, Traps, Columns, Water Gauges, Gauge Cocks, and Pump Governors. Williams Gauge Co., The, Pittsburgh, Pa.
Williams' Rivet Sets. J. H. Williams & Co., Buffalo, N. Y.
Williams Steam Valves, Cocks, Separators, Traps, Etc. T. D. Williams Valve Co., Cincinnati, O.
Williams Typewriters. Duffield & Co., Derby, Conn.
Williamsburg Hack Saw Frames, Levels, Tool Sets, Awls, Ice Picks, Etc. The Wells Corporation, Greenfield, Mass.
Williamson Acetylene Generators. Oxweld Acetylene Co., Long Island City, N. Y.; Chicago; San Francisco, Cal.
Williamson Acetylene Light Fixtures. R. Williamson Co., Chicago.
Williamson Cork Screws, Champagne Taps. C. T. Williamson Wire Novelty Co., Newark, N. J.
Williamson Steam and Water Heaters. Williamson Foundry Co., Cincinnati, O.
Williamson Warm Air Furnaces. Williamson Heater Co., Cincinnati, O.
Williamsport Wire Rope. Virginian Electric & Machine Works, Charleston, W. Va.
Williamsport Wire Ropes. Williamsport Wire Rope Co., Williamsport, Pa.
Willis Oxy-Acetylene Welding Apparatus. Henderson-Willis Welding & Cutting Co., St. Louis, Mo.
Willis Pistons. Willis Piston Co., Detroit, Mich.
Willis Planimeters. James L. Robertson & Sons, New York.
Willis Sap Spouts. Hunting Co., Watertown, N. Y.
Willis Sheet Metal Building Products. Willis Mfg. Co., Galesburg, Ill.
Willis Wattmeters. Federal Elec. Co., Chicago.
Willite Process Pavements. American Willite Co., Pittsburgh.
Willmarc Coffee Hulling Machinery. Wm. L. Dines, Jr., Co., Worcester, Mass.
Will-o-Ware Willow Baskets. Burlington Willow Ware Shop, Burlington, Ia.
Wills Axle Gauges. Badger State Machine Co., Janesville, Wis.
Wills Sainte Claire Automobiles. C. H. Wills & Co., Marysville, Mich.
Willson Goggles (Protected trademark name **of entire line**), Trademark Registered in the United States, Great Britain, France, Argentine, Brazil, Chili, Bolivia, Peru, Uruguay, Cuba, Australia, and Japan. Marca Registrade,—M. F., Willson Goggles, Inc., Reading, Pa.
Willson Safety Glasses. T. A. Willson & Co., (Inc.), Reading, Pa.
Willstick Mucilage, Photographers' Paste. Continental Mfg. Co., Philadelphia.
Willys-Light Electric Light Plants. Willys Light Der Electric Auto Lite Corp., Toledo, O.
Wilmarth & Morman Loose Pulleys. Wilmarth & Morman Co., Grand Rapids, Mich.
Wilmington Fibre Sheets, Rods and Tubes. Wilmington Fibre Specialty Co., Wilmington, Del.
Wilmington Garden Hose. Electric Hose & Rubber Co., Wilmington, Del.
Wilmington Leather Fleshing and Slating Machines. G. W. Baker Machine Co., Wilmington, Del.
Wilmo Motor Manifold. The Whittier Co., Chicago.
Wilmort Ash Trays, Smoking Sets. Wilmort Mfg. Co., Chicago.
Wilson Belt Fasteners. W. O. & M. W. Talcott, Inc., Providence, R. I.
Wilson Bros. Bobbins and Shuttles. Leigh & Butler, Boston, Mass.
Wilson Bung Spouts and Fishing Tackle Boxes. A. C. Kraft, Chicago.
Wilson Drill. The Buda Company, Harvey, Ill.
Wilson Filters. Norwood Engineering Co., Florence, Mass.
Wilson Fishing Tackle Boxes. Wilson F. Cortez Co., Chicago.
Wilson Motor Trucks. J. C. Wilson Co., Detroit, Mich.
Wilson Pipe Cutting and Threading Machinery. Universal Machine Co., Bowling Green, O.
Wilson Planers. Morley Machine Corp., Rochester, N. Y.
Wilson Packless Centrifugal Pumps. San Joaquin Pump Co., Fresno, Cal.
Wilson Portable Fire Escapes. S. F. Hayward & Co., New York.
Wilson Railway Crossing Gates. Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Wilson Rolling Doors and Shutters. Jas. G. Wilson Mfg. Co., New York.
Wilson Rubber Tires. Wilson Tire & Rubber Co., Springfield, Ill.
Wilson Shaft Springs. Robert P. Wilson, Newark, N. J.
Wilson Shovels. Wood Shovel & Tool Co., The, Piqua, O.
Wilson Sterilized Curled Hair. Wilson & Co., Chicago.
Wilson Trace Carriers. North & Judd Co., New Britain, Conn.
Wilson Trolley Catchers. Chas. N. Wood Co., Boston, Mass.
Wilson Trolley Catchers and Retrievers. Wilson & Co., Brooklyn.
Wilson Water Filters. E. L. Dean Machine Co., Holyoke, Mass.
Wilson Welder Plastic Arc System. Railway and Mine Supply Co., Chicago.
Wilson Wire Flue Brush. Worcester Brush & Scraper Co., Worcester, Mass.
Wilt Twist Drills. Wilt Twist Drill Co., Walkerville, Ont., Can. Heating Specialty Co., Inc., Lynchburg, Va.
Wiltbonco-Fraser Feed Water Regulators. Wm. T. Bonner Co., Boston, Mass.
Wiltbonco-Hogan Oil Filters. Wm. T. Bonner, Boston, Mass.
Wiltbonco Water Gauge. Wiltbonco Mfg. Co., Boston, Mass.
Wilton Lavatories. Crane Co., Chicago.
Wilton Locking Cocks. Wilton Mfg. Co., Wrightsville, Pa.
Wilwear Bathroom Fixtures. Novelty Mfg. Co., Waterbury, Conn.
Wily Calibrating Radiator Valves and Water Seal Traps. Simplex
Winall Padlock Locks. U. S. Lock & Hardware Co., Columbia, Pa.
Winco Paper Towels and Cabinets. U. S. Sanitary Specialties Corp., Chicago.
Winchester Nut Crackers and Picks. Cassady, Fairbank Mfg. Co., Chicago.
Winchester Rifles, Skates, Knives, Scissors, Etc. Winchester Repeating Arms Co., New Haven, Conn.
Wincroft Gas and Coal Stoves and Ranges. Wincroft Stove Works, Middletown, Pa.
Windau Cutters and Tools. Windau Tool Co., Cleveland, O.
Windejammer Pumps. Motor Car Supply Co., Chicago.
Windjammer Tire Air Pumps. Bridgeport Brass Co., Bridgeport, Conn.
Windowphanie Stained Glass Substitutes. Windowphanie Co., New York.
Windman Clamps. Windman-Goldsmith, Inc., Perth Amboy, N. J.
Windshield Scuppers. Windshield Scupper Co., New York.
Win-Dor Casement Window Adjusters. Casement Hdwe. Co., Chicago.
Windsor Asbestos Cement. J. B. King & Co., New York.
Windsor Drop Forged Axle Clips. Keystone Forging Co., Northumberland, Pa.
Windsor Rubber Horse Shoe Pads. Firestone Tire & Rubber Co., Akron, O.
Windustite Weather Strip. American Metal Weatherstrip Co., Grand Rapids, Mich.

Wine Car Appliances. Wine Railway Appliance Co., Toledo, O.
Wine Side Bearings. Equipment Improvement Co., New York.
Winfield Ash and Garbage Cans. Winfield Mfg. Co., Warren, O.
Winfield Electric Welding Machines. Winfield Electric Welding Machine Co., Warren, O.
Winfield Welders. Winfield Elec. Welding Machine Co., Warren, O.
Wing Horton Mailing Machines. Chauncey Wing's Sons, Greenfield, Mass.
Wing Power Plant Machinery. L. J. Wing Mfg. Co., New York.
Wing Turbine Blowers. L. J. Wing Mfg. Co., New York.
Wingate Tray Binder. Wingate Bindery, Bakersfield, Cal.
Winged Foot Carbon Paper. Duplico Mfg. Co., New Brunswick, N. J
Wingo Grease Cups. The Lunkenheimer Co., Cincinnati, O.
Wingfoot Garden Hose. Goodyear Tire & Rubber Co., Inc., Akron, O.
Winir Steel Sheets. The Canton Sheet Steel Co., Canton, O.
Winkley Oil Hole Covers and Cups, Dowel Pins. Bowen Corp., Detroit, Mich.
Winn Door Holder. B. B. Neal Hardware Co., New York.
Winn Grease and Paints. Wm. R. Winn, New York.
Winnder Currycombs. Weber & Kirch Mfg. Co., Keokuk, Ia.
Winner Boiler Compound, Steam Traps. **The Winner Co., New York**
Winner Car Seats. J. G. Brill Co., Philadelphia, Pa.
Winner Clothes-lines. Cliver-Wright-Rainey Co., Cincinnati, O.; Estes Mills, Fall River, Mass.
Winner Clothes Washing Machines. New Favorite Mfg. Co., Chicago.
Winner Cordage and Twine. American Mills Co., Atlanta, Ga.
Winner Equalizers. Harvey Spring & Forging Co., Racine, Wis.
Winner Feed Carriers. Owatonna Mfg. Co., Owatonna, Minn.
Winner Feed Cookers. Star Tank Co., Goshen, Ind.
Winner Grain Graders. American Grain Separator Co., Minneapolis.
Winner Hose. Consolidated Rubber Co., Trenton, N. J.
Winner Lawn Swings. Goshen Churn & Ladder Co., Goshen, Ind.
Winner (Texaco) Lubricating Oil. The Texas Company, New York.
Winner Road Graders. Good Roads Machy. Co., Inc., Kennett Square, Pa.
Winner Rubber Heels. Frank W. Whitcher Co., Boston.
Winner Shovels. F. W. Jesup & Co., Inc., New York.
Winona Enameled Iron Bath Tubs. McVay-Walker Co., Braddock, Pa.
Winona Farm Wagons. Winona Wagon Co., Winona, Minn.
Winslow Strength Computing Rules. Geo. W. Richardson, Chicago; Henry W. Tomlinson, Chicago.
Winston Baths. Crane Co., Chicago.
Winston-Salem Rural Mail Boxes. L. B. Brickenstein, Winston-Salem, N. C.
Winter Curtain Lights. Winter Stamping Co., Goshen, Ind.
Winter Rubber Horse Shoe Pads. Firestone Tire & Rubber Co., Akron, O.
Winter King Furnaces. Williams Heater Co., Cincinnati, O.
Winterhoff Bench Drills. Winterhoff Tool & Machine Co., Elkhart, Ind.
Winter Wagon Jacks. Pioneer Pole & Shaft Co., Piqua, O.
Winterton Metal Polish. W. W. Callery & Co., Pittsburgh, Pa.
Winther Motor Trucks. Winther Motors, Inc., Kenosha, Wis.
Winthrop Stoves. Dighton Foundry Co., Taunton, Mass.
Winthrop Tapered Asphalt Shingle. Beckman-Dawson Roofing Co., Chicago.
Winton Oil Engines. Winton Engine Works, Cleveland, O.
Winze Mine Hoists. Wellman-Seaver-Morgan Co., Cleveland, O.
Wire-Cut Bricks. Southern Clay Mfg. Co., Chattanooga, Tenn.
Wire-Cut Lug Bricks. Dunn Wire-Cut Lug Brick Co., Conneaut, O.
Wireholder Insulated Service Bracket. Hubbard & Co., Pittsburgh, Pa.
Wireless Clusters. Benjamin Electric Mfg. Co., Chicago.
Wireless Flashlights. Yale Electric Co., Brooklyn, N. Y.
Wireless Rubber Vehicle Tires. B. F. Goodrich Co., Akron, O.
Wire-Lock Joint Poles. The Electric Railway Equipment Co., Cincinnati, O.
Wirt Electrical Resistance Units. Wirt Co., Philadelphia, Pa.
Wirt Fountain Pens. Wirt Fountain Pen Co., Paul E., Bloomsburg, Pa.
Wiremold Conduits. American Wiremold Co., Hartford, Conn.
Wiretop Muslin Bags. Bemis Bro. Bag Co., St. Louis, Mo.
Wirf's Gaskets. E. J. Wirfs, St. Louis, Mo.
Wirt's Hose and Hawser Reels. Wirt & Knox Mfg. Co., Philadelphia, Pa.
Wirt's 20th Century Can and Bag Carrier. Wirt & Knox Mfg. Co., Philadelphia, Pa.
Wisco Bath Fixtures and Plumbers' Goods. J. B. Wise, Inc., Watertown, N. Y.
Wisconsin Approved Fire Extinguishers. Badger Chemical Mfg. Co., Milwaukee, Wis.
Wisconsin Auto Truck Axles. Engineering & Sales Corp., Chicago.
Wisconsin Concrete Mixers. Lakewood Engng. Co., Cleveland, O.
Wisconsin Concrete Mixers, Feed Grinding Mills, Gasoline Engine Trucks and Governor Pulleys. Wisconsin Farm Implement Co., Beloit, Wis.
Wisconsin Consistent Motors. Wisconsin Motor Mfg. Co., Milwaukee, Wis.
Wisconsin Drum Box Testing Machines and Moisture Test Ovens. Wisconsin Foundry & Machine Co., Madison, Wis.
Wisconsin Engines, Electric Light Plants. Lauson-Lawton Co, De Pere, Wis.
Wisconsin Milk Cans. Creamery Package Mfg. Co., Chicago.
Wisconsin Motor Trucks. Wisconsin Farm Tractor Co., Sauk City, Wis.
Wisconsin Ruby Red Granite. Anderson Bros. & Johnson Co., Wausau, Wis.
Wisconsin Worm Drive Axles. Wisconsin Parts Co., Oshkosh, Wis.
Wise Hot Air Furnaces. Wise Furnace Co., Akron, O.
Wise Iceless Soda Water Fountains. Wise Soda Apparatus Co., Bellevue, O.
Wise Sulphur Burners. Carthage Machine Co., Carthage, N. Y.
Wish Bone Incubators. Am. Incubator Mfg. Co., New Brunswick, N. J.
Wishbone Steel Wheels. Carnahan Industrial Engineer Corp., Bridgeport, Conn.
Wismach American Gage Standards. O. Zernickow, New York.
Wisoid Gaskets. Consolidated Packing & Supply Co., New York.
Wisoid Gum and Fibrous Gaskets. Horace E. Eckhouse, New York.
Wis-pa-co Ending Machine Gum. The F. G. Findley Co., Milwaukee, Wis.
Wissahocken Sheet Packing. Sayen-Osgood, Philadelphia, Pa.
Wissler Leveling Instruments and Transits. Wissler Instrument Co., St. Louis, Mo.
Wiss Tinners' Snips. J. Wiss & Sons Co., Newark, N. J.
Witch Air Tight Stoves. B. C. Bibb Stove Co., Baltimore, Md.
Witch-Elk Baseball and Athletic Shoes. Witchell-Sheill Co., Detroit.
Witham Boot Calks. A. A. Cutter Co., Eau Claire, Wis.
Witherbee Batteries and Storage Battery Plates. Witherbee Igniter Co., Springfield, Mass.; Witherbee Storage Battery Co., Inc., New York.
Witt Corrugated Cans and Pails. The Witt Cornice Co., Cincinnati, O.
Witte Log and Tree Saw. Witte Engine Works, Kansas City, Mo.
Wittingham Motor Charging Rheostats. Automatic Switch Co., New York.
Wizard Autographic Registers. Am. Sales Book Co., Ltd., Elmira, N. Y.; Pacific Manifolding Book Co., Emeryville, Cal.
Wizard Adjustable Wrenches. Clarence E. Wakefield, Worcester, Mass.
Wizard Airtight Stoves. B. C. Bibb Stove Co., Baltimore, Md.
Wizard Bag Cleaner. T. G. White, Cedar Rapids, Ia.
Wizard Box Hinges. L. F. Grammes & Sons, Inc., Allentown, Pa.
Wizard Brand Metals. Birkenstein & Sons, S., Chicago.
Wizard Carbonators. H. G. Saal Co., Chicago.
Wizard Casters. The Bassick Company, Bridgeport, Conn.
Wizard Chucks and Collets. McCrosky Reamer Wks. Co., Meadville, Pa.
Wizard Cigar Lighters. Eldred Mfg. Co., Chicago.
Wizard Classification Engine Lamps. R. E. Deitz Co., New York.
Wizard Door Hangers. Safety Door Hanger Co., Ashland, O.
Wizard Dry Batteries. Stackpole Carbon Co., St. Marys, Pa.
Wizard Electric Bells and Buzzers. Ansonia Elec. Co., Ansonia, Conn.
Wizard Garden Cultivator. Empire Plow Co., Cleveland, O.
Wizard Gas Mantles. Lindsay Light Co., Chicago.
Wizard Gasoline and Kerosene Lamps, Lanterns and Lighting Systems. Nagel-Chase Mfg. Co., Chicago.
Wizard Hickory Handles. Hartzell Handle Co., Harvey, Ill.
Wizard Lanterns. R. E. Dietz Co., New York.
Wizard Lawn Mowers. Worcester Lawn Mower Co., Worcester, Mass.
Wizard Manganese Bronze Ingots. Globe Metal Co., Chicago.
Wizard Mops. Wizard Products Co., Chicago.
Wizard Numbering Machines. Bates Mfg. Co., New York.
Wizard Pasteurizers and Ice Cream Mixers. Creamery Pkg. Mfg. Co., Chicago.
Wizard Portable Electric Lamps. Wizard Electric Lamp Co., San Francisco.
Wizard Rings. L. F. Grammes & Sons, Allentown, Pa.
Wizard Spark Plugs. Hampshire Mfg. Co., Hatfield, Mass.
Wizard Tape, Hose. Boston Woven Hose & Rubber Co., Cambridge, Mass.
Wizard "U. S." Packing. United States Rubber Co., New York.
Wizard Wrenches. Richards-Wilcox Mfg. Co., Aurora, Ill.
Wizzard Seed Corn Dryers. J. Q. Clarke Tank Co., Crawfordsville, Ind.
Woco Pep Motor Fuel. G. T. Wofford Oil Co., Birmingham, Ala.
Woco Quality Fir Doors. Wheeler-Osgood Co., Tacoma, Wash.
Wodack Electric Drills, Hammers and Grinders. Wodack Electric Tool Corp., Chicago.
Wohlrab Steering Gear. The Wohlrab Gear Co., Racine, Wis.
Wolco Combination Padding. F. P. Woll & Co., Frankfort, Philadelphia, Pa.
Wolf Cold Tire Setters. Geo. S. Comstock & Son, Mechanicsburg, Pa.
Wolf Feed Grinding Mills. Wolf Co., Chambersburg, Pa.
Wolf Lamp. American Safety Lamp & Mine Supply Co., Scranton, Pa.
Wolf Miners' Safety Lamps. Wolf Safety Lamp Co. of America, Inc., Brooklyn, N. Y.
Wolff Boiler Compounds. Norbert Wolff & Son, New York.
Wolfram High Speed Steel. Vulcan Crucible Steel Co., Aliquippa, Pa.
Wolf-type Safety Lamps. American Safety Lamp & Mine Supply Co., Scranton, Pa.
Wolf's Head Lubricating Oils and Greases. Wolverine Lubricants Co. of New York, New York.
Wollo Spark Plugs. Wollo Ignition Products Co., St. Louis, Mo.
Wolverine Belt Lacing, Clutch Linings, Shims. National Leather Mfg. Co., Niles, Mich.
Wolverine Barrows. The Lansing Company, Lansing, Mich.
Wolverine Brass, Bronze and Copper Materials. Michigan Cop. & Br. Co., Detroit, Mich.
Wolverine Concrete Mixers. Knickerbocker Co., Jackson, Mich.
Wolverine Furnaces. Marshall Furnace Co., Marshall, Mich.
Wolverine Glue Dissolver and Retainer. Wolverine Dissolver Co., Muskegon, Mich.
Wolverine Hay Presses. Ypsilanti Hay Press Co., Ypsilanti, Mich.
Wolverine Hog Rings. Heesen Bros. Co., Tecumseh, Mich.; Wm. E. Pratt Mfg. Co., Chicago.
Wolverine Marine Motors. Wolverine Motor Works, Bridgeport, Conn.
Wolverine Measuring Tapes. The Lufkin Rule Co., Saginaw, Mich.
Wolverine Metallic Discs, Tubular Gaskets. Strong Machinery & Supply Co., New York.
Wolverine Planer Leather Belting. Detroit Oak Belting Co., Detroit, Mich.
Wolverine Plumbing Specialties; Force Cups. Wolverine Brass Works, Grand Rapids, Mich.
Wolverine Portland Cement. Wolverine Portland Cement Co., Coldwater, Mich.
Wolverine Ventilating Sash Locks and Pot Cover Racks. Wolverine Supply & Mfg. Co., Pittsburgh.
Wolverine Weather Strip. American Metal Weather Strip Co., Grand Rapids, Mich.
Women's Friend Clothes Washing Machines. New Liberty Washing Machine Co., St. Paul, Minn., Bluffton Mfg. Co., Bluffton, O.
Wonder Ash Sifters. H. E. Hessler Co., Syracuse, N. Y.
Wonder Cannon Photograph Machines. Chicago Ferrotype Co., Chicago.
Wonder Cement. Harrison Supply Co., Boston.
Wonder Chain Drills. Grabler Mfg. Co., Cleveland, O.
Wonder Coal Drills, Pneumatic Rock Drills, Pneumatic Clipping and Calking Hammers, Pneumatic Riveters, Drill Sharpening Machines. Hardsocg Wonder Drill Co., Ottumwa, Ia.
Wonder Concrete Mixer. Construction Machy. Co., Waterloo, Ia.; Waterloo Cement Machinery Corp., Waterloo, Ia.
Wonder Cooking Apparatus. Wonder Elec. Mfg. Co., Portland, Ore.
Wonder Cooking Utensils. Enterprise Aluminum Co., Rochester, N. Y.
Wonder Copper Floats. American Pin Co., Waterbury, Conn.
Wonder Disc Sharpeners. A. E. Durner, Evansville, Wis.
Wonder Drill Chucks and Twist Drill Collets. Collis Co., Clinton, Ia.
Wonder Grain Cleaning Machinery. Ghent Mfg. Co., Ghent, Minn.
Wonder Hose Nozzles. John Simmons Co., New York.
Wonder Lubricators. D. T. Williams Valve Co., Cincinnati, O.
Wonder-Mist Auto Polisher. Wonder-Mist Co., New York.
Wonder Pavers, Concrete Mixers, etc. Waterloo Cement Machinery Corp., Waterloo, Ia.
Wonder Pipe Bending Machines. American Pipe Bending Mach. Co., Boston.
Wonder Quick Change Chucks. The Collis Co., Clinton, Ia.
Wonder Rock Drills. Hardsocg Wonder Drill Co., Ottumwa, Ia.
Wonder Stove Lids. Standard Utilities Corp., Scranton, Pa.
Wonder Ten Concrete Mixers. Construction Machy. Co., Waterloo, Ia.
Wonder Tube Cleaners. A. W. Chesterton Co., Boston.
Wonder Waffle Irons. Wonder Electric Mfg. Co., Portland, Ore.
Wonder Washing Machines. Victor Mfg. Co., Leavenworth, Kan.
Wonder Worker Belt Dressing, Carbon Removers, Carriage Top Dressing Metal Polish, Valve Grinding Compounds. Hall-Thompson Co., Hartford, Conn.

Wonderay Auto Headlights and Spotlights. Darslie Mfg. Co., Los Angeles, Cal.
Wonderful Garden Hose. Quaker City Rubber Co., Philadelphia, Pa.
Wonderful Harness Awls. C. A. Myers Awl Co., Chicago.
Wonderful Metal Polish. Borsum Bros., New York.
Wonderpaste Paint and Varnish Remover. Wilson-Imperial Co., Newark, N. J.
Wonderphone Receivers and Amplifiers. Universal High Power Tel. Co., Seattle, Wash.
Wondertone Talking Machines. Wondertone Phonograph Co., Chicago.
Wont-Burn Fry Pans. New England Enameling Co., Middletown, Conn.
Wontkink Water Hose. Empire Tire & Rubber Corp., Trenton, N. J.
Wont-Mar Floor Finish. Wm. Harland & Son, Buffalo, N. Y.
Won't Roll Punches and Nail Sets. Millers Falls Co., Millers Falls, Mass.
Won't Slip Chair Tips, Rubber Heels. C. J. Bailey & Co., Boston.
Won't-Slip Removable Screw Calks. James Reynolds Mfg. Co., New Haven, Conn.
Wood Automatic Stirring Gas Producer. L. D. Wood & Co., Philadelphia, Pa.
Wood Bros. Traction Engines. Wood Bros. Thresh. Co., Des Moines, Ia.
Wood Choker Rat Traps. Lovell Mfg. Co., Erie, Pa.
Wood Choker Mouse and Rat Traps. Animal Trap Co., of America, Lititz, Pa.
Wood Gas Producers. R. D. Wood & Co., Philadelphia.
Wood Pneumatic Hose Couplings. Wood Drill Wks., Paterson, N. J.
Wood Propeller Pumps. P. K. Wood, Los Angeles, Cal.
Wood Rock Drill. Wood Drill Works, Paterson, N. J.
Wood Shovels. Wood Shovel & Tool Co., The, Piqua, O.
Wood Water Meter Testing Machines. A. P. Smith Mfg. Co., E. Orange, N. J.
Woodall-Duckham Vertical Gas Retorts. Isbell-Porter Co., Newark.
Woodberry Cotton Duck. Turner, Halsey Co., New York.
Woodbury Jigs. Worthington Pump & Machinery Corp., New York.
Woodbury's Facial Soap. The Andrew Jergens Co., Cincinnati, O.
Woodberry Sail, Army and Wide Duck, Sail and Seine Twine. Mt. Vernon Woodberry Mills Inc., Baltimore, Md.
Woodbridge Screw Cutting Dies. Pratt & Whitney Co., Hartford, Conn.
Woodbury Gray Granite. Woodbury Granite Co., Hardwick, Vt.
Wood-Detroit Auto Dump Body Hoists. Wood Hydraulic Hoist & Body Co., Detroit, Mich.
Woodhill Basin Cocks. Woodhill Brass Co., Cleveland, O.
Woodhouse Chains. Woodhouse Chain Works, Trenton, N. J.
Woodhouse Fire Boat Water Towers. Woodhouse Mfg. Co., N. York.
Woodison Cupola Linings. E. J. Woodison Co., Detroit, Mich.
Woodley Slate Tubs, etc. Woodley Slate Co., Bangor, Pa.
Woodlife Wood Preservative. Woodlife Co., Boston, Mass.
Woodman Saw Sets. Kilborn & Bishop Co., New Haven, Conn.
Woodmanse Pumps and Windmills. Woodmanse Mfg. Co., Freeport, Ill
Woodmansee Office and Library Paste, Writing Inks. F. A. Woodmansee, Cincinnati, O.
Woodpecker Gas Engines. Middletown Machine Co., Middletown, O.
Woodruff Key Seating Machines. Union Twist Drill Co., Athol, Mass.
Woodruff Keyway Cutters. Detroit Twist Drill Co., Detroit, Mich.
Woods Can Openers. Ira F. White & Son, Bloomfield, N. J.
Woods Centrifugal Pumps. R. D. Wood & Co., Philadelphia, Pa.
Wood's Everloc Tire Patch. W. C. Wood Co., Minneapolis, Minn.
Woods Fast Feed Moulders, Matchers, Wood Working Machinery S. A. Woods Machine Co., Boston, Mass.
Wood's Flexible Fire Boxes. Wm. H. Wood Loco. Fire Box & Tube Co., Media, Delaware Co., Pa.
Wood's Hose Protectors. Guilford S. Wood Company, Chicago.
Wood's Hydraulic Operating Valves. Vance Engineering Co., Pitts.
Woods Side Bearings and Center Plates, Tip Roller Body Side Bearings, Counter-Balance Truck Side Bearings. Edwin S. Woods & Co., Chicago.
Woodslee Drinking Fountains. Crane Co., Chicago.
Woodson's Facing Tool for Spindles, Ford and Chevrolet. Veltum & Clow Mfg. Co., Eugene, Ore.
Woodstock Safety Tapping Chucks. Peter Bros. Mfg. Co., Algonquin, Ill.
Woodstock Typewriters. Woodstock Typewriter Co., Woodstock, Ill.
Woodstone Drainboards and Sanitary Flooring. Chas. E. Clifford Co., Inc., Los Angeles, Cal.
Woodward Four Speed Transmissions for Fords. Woodward & Rowe, San Francisco.
Woodward Glass Cutters. New England Novelty Wks., Hill, N. H.
Woodward Pig Iron. Woodward Iron Co., Woodward, Ala.
Woodward Truck Units. Woodward Truck Attachment Co., Los Angeles, Cal.
Woodward Water Wheel Governors. Woodward Governor Co., Rockford, Ill.
Woodwin Electric Lamps and Lantern Flash Light. C. D. Wood Electric Co., New York.
Woodworth Auto Spring Cover and Lubricator, Leather Tire Boots Woodworth Mfg. Corp., Niagara Falls, N. Y.
Woodworth Automobile Accessories. Woodworth Specialties Co., Binghamton, N. Y.
Woolbestos Reinforced. Ehret Magnesia Mfg. Co., Phila. and Chicago
Woolery Gas Engines and Railway Motor Cars. Woolery Machine Co., Minneapolis, Minn.
Wooley Oil Burning System. E. L. Woolley & Co., **Providence, R. I**
Woolsey's Copper Paints. Woolsey Paint & Color Co., Jersey City N. J.
Woolson's E-Z-Set Blow-off Pipe Covering. O. C. Woolson's Son, New York.
Woolworth Shower Bath. Sanitas Mfg. Co., Boston.
Woonsocket Footwear. U. S. Rubber Co., New York.
Wooster Brand Envelopes. Elsinore Paper Co., **Inc., New York.**
Wooster Paint Brushes. Wooster Brush Co., Wooster, O.
Wooster Potato Sprayer Pumps. Field Force Pump Co., Elmira, N. Y.
Wooster's Belting and Belt Dressing. Duryea Mfg. Co., Bayonne, N. J.
Worcester Bird Cage Hooks. Parker Wire Goods Co., Worcester, Mass.
Worcester Blount Door Checks. Park Mfg. Co., Worcester, Mass.
Worcester Drill Grinders and Drawing Stands. Washburn Shops Worcester, Mass.
Worcester Fire Signals. Union Water Meter Co., Worcester, Mass.
Worcester Flour Sieves. Wickwire Spencer Steel Corp., Worcester, Mass.
Worcester Fine Brush. Worcester Brush & Scraper Co., Worcester, Mass.
Worcester Gauge Glass Cutter. Worcester Brush & Scraper Co., Worcester, Mass.
Worcester Golf Lawn Mower. Worcester Lawn Mower Co., Worcester, Mass.
Worcester Knife Switches, Light Switchboards. Worcester Electric Mfg. Co., Worcester, Mass.
Worcester Lathes. Worcester Lathe Co., Worcester, Mass.
Worcester Lawn Mowers. Worcester Lawn Mower Co., Worcester, Mass.
Worcester Presteel Metal. Worcester Pressed Steel Co., Worcester, Mass.
Worcester Steam Gong Whistles. Union Water Meter Co., Worcester, Mass.
Worcester Tire Vulcanizers. Park Mfg. Co., Worcester, Mass.
Work Organizer Desk Drawer Files, Etc. Work Organizer Specialty Co., Detroit, Mich.
Workrite Flush, Push Button Switches. Frank W. Morse, Boston.
Workrite Push Buttons. S. H. Couch Co., Quincy, Mass.
Workrite Vario Couplers. Work Rite Mfg. Co., Cleveland, O.
World Beater Carpet Beaters. Smith & Phillips Mfg. Co., Chicago.
World Beater Egg Beater. World Novelty Co., Elgin, Ill.
World Brand Typewriter Ribbons and Carbons. The International Carbon Paper Co., Chicago.
World Carbon Lamps. F. J. Rooney Lamp Co., Hoboken, N. J.
World Clothes Washing Machines. C. E. Ross, Lincoln, Ill.
World Daily Leaf Calendar. Clark Printing & Mfg. Co., Lock Haven, Pa.
World Dynamo and Motor Generator Sets. Boissier Elec. Co., Long Island City, N. Y.
World Door Hangers. Richards-Wilcox Mfg. Co., Aurora, Ill.
World Labeling Machines. Economic Mach. Co., Worcester, Mass
World Labeller. Economic Machinery Co., Worcester, Mass.
World Rubber Hose. Home Rubber Co., Trenton, N. J.
World Soap Powders. Beach Soap Co., Lawrence, Mass.
World Wide Stamp Affixer. The Extensive Mfg. Co., New York.
World's Best Door Hangers. Safety Door Hanger Co., Ashland, O.
World's Best Electric Sad Irons. Edison Electric Appliance Co., Inc., (Hotpoint Div.), Chicago.
World's Best Harness Oil. Fisher, Thorsen & Co., Portland, Ore.
World's Champion Tube Expanders. Oswego Tool Co., Oswego, N. Y.
World's Choice Boiler Comp. Maurer, Labadie & Co., South Bend, Ind.
World's Fair Lemon Squeezers. Nicol & Co., Chicago.
World's Standard Loose Leaf Metal Parts. Dawson Mfg. Co., St. Louis, Mo.
Worldlight Cold Water Paint, Auto Cylinder Oils, Auto and Liquid Soaps and Disinfectants. The World Refining Co., Easton, Pa.
Worm Pulp Washing Machines. Baker Mfg. Co., Saratoga, N. Y.
Worrall Friction Clutches. Kinney Mfg. Co., Boston, Mass.; The American Tool & Mach. Co., Boston, Mass.
Worsham Ash-Handling Outfit. Jas. A. Worsham Machine Wks., Decatur, Ill.
Worrell's Rotary Dryers. S. E. Worrell, Hannibal, Mo.
Worthmower Lawn Mowers. F. & N. Lawn Mower Co., Richmond, Ind.
Worth Gas Motor Cars. Railway Motor Car Co., Marion, Ind.
Worthington "Feather" Valve Compressors, Marine Diesel. Worthington Pump & Machinery Corporation, New York.
Worthington Pumps and Condensers. Worthington Pump & Engine Mach. Corp., New York.
Worthington Water Meters, Waterworks Pumping Engines. Worthington Pump & Machinery Corp., New York.
Worthy Engine Lubricators. D. T. Williams Valve Co., Cincinnati, O.
Wotton Motor Generators, Rheostats. Electric Products Co., Cleveland, O.
Wovenite Papers. Weaver Roof Co., Los Angeles, Calif.
Wrapped Duck Hose. Hewitt Rubber Co., Buffalo, N. Y.
Wray Floor Scraping Machines. Duncan Bros. & Wray Co., Ludlow Falls, O.
Wrenn's Best Enameled Blotting Paper. Wrenn Paper Co., Middletown, O.
Wren's Mine Car Tips. Grant Iron Works, Mahanoy City, Pa.
Wright Cranes, Hoists and Trolleys. Wright Mfg. Co., Lisbon, O.
Wright Demand Meters. General Electric Co., Schenectady, N. Y.
Wright Drilling Machines and Presses. Henry & Wright Mfg. Co., Hartford, Conn.
Wright Electric Cable Hangers. Rhode Island Tel. & Elec. Co., Providence, R. I.
Wright High Speed Hoists, Standard Screw Hoist, Differential Chain Block, Steel Trolleys and Hand Traveling Cranes. **Wright Mfg. Co., Lisbon, O.**
Wright Knock Down Forge. Wright Bros. Boiler & Machine Co., Ranger, Tex.
Wright Little Watchman Emergency Air Brake. Wright Little Watchman, Inc., Greensboro, N. C.
Wright Mica Spark Plugs. New York Mica & Mfg. Co., Inc., Auburn, N. Y.
Wright Paper and Twine Holders and Cutters. Cutter Mfg. Co., Boston.
Wright Pipe Wrenches. Peck, Stow & Wilcox Co., Southington, Conn.
Wright Pipeless Heaters. Mahoning Fdry. Co., Youngstown, O.
Wright Reliable Gas and Gasoline Engines. Wright Machine Co., Owensboro, Ky.
Wright Roller Bearings. Wright Roller Bearing Co., Philadelphia, Pa.
Wright Safety Alarm Water Columns, Strainers and Fittings. Wright-Austin Co., Detroit, Mich.
Wright Sheet Metal Pipe, Elbows and Furnace Fittings. Wright Mfg. Co., New Haven, Conn.
Wright Steady Dial Looper. Southern Textile Machinery Co., Inc., Paducah, Ky.
Wright's (Peter) Anvils. Peter Wright & Sons, Stourbridge, England. Wiebusch & Hilger, Ltd., American Agents, New York.
Wright's Jenning's Auger Bits. Connecticut Valley Mfg. Co., Centerbrook, Conn.
Wright's Silver Cream Polish. J. A. Wright & Co., Kenne, N. H.
Wright & Rust Valve Re-Seating Mach. H. R. Tower, Holyoke, Mass.
Wrightman Rail Joints. Railway Accessories Co., Seattle, Wash.
Wrighto Shovels. Ames Shovel & Tool Co., Jersey City, N. J.
Wrigley Drain Pipe Cleaners. Sam'l Lewis, New York.
Wrigley Ticket Printing Presses and Toggle Bolts. Thos. Wrigley Co., Chicago.
Wrigley's Emery Wheel Dresser. The Thos Wrigley Co., Chicago.
Wrinklet Sockets. Bryant Electric Co., Bridgeport, Conn.
Writerpress Duplicators. New Writerpress Co., Shelton, Conn.
Wundermops Polish Mops. Samuel Lewis, New York.
Wurdack Switchboards, Panel Boards, Etc. Wm. Wurdack Elec. Mfg. Co., St. Louis, Mo.
Wurkeze Force Pumps. Thos. Laughlin Co., Portland, Me.
Wyandotte Cements. Wyandotte Portland Cem't Co., Wyandotte. Mich.
Wyandotte Detergent Cleaning Compounds. J. B. Ford Co., Wyandotte, Mich.
Wyandotte Metal Cleaners. J. B. Ford Co., Wyandotte, Mich.
Wybro Veneered Panels. White Bros., San Francisco, Cal.
Wybrock Bending Oak. White Bros., San Francisco, Cal.
Wyckoff Conduits, Paving Blocks and Creosoted Materials. Wyckoff Pipe & Creosoting Co., New York.

Wyckoff Wood Pipe. A. Wyckoff & Son Co., Elmira, N. Y.
Wycoff Wood Pipe, Waterproof Steam Pipe Casing. Chicago Tube & Iron Co., Chicago.
Wydawake Damper Regulator. L. J. Wing Mfg. Co., New York.
Wydler Bolting Cloth. A. P. Traler, New York.
Wye Levels. Wm. Ainsworth & Sons, Denver, Colo.; Bausch & Lomb Optical Co., Rochester, N. Y.; Geier & Bluhm, Troy, N. Y.
Wylie Gas Meters. Equitable Meter Co., Pittsburgh, Pa.
Wyltin Shade Rollers. Chas. W. Breneman & Co., Cincinnati, O.
Wydesteel Filing Cabinets. General Fireproofing Co., Youngstown, O.
Wyoring Ensilage Cutters. Climax Corp., Batavia, N. Y.
Wyoma Gears. Relay Motor Car Co., Reading, Pa.
Wyoming Cement. Wyoming Asbestos Producing Co., Casper, Wyo.
Wyoming-Mayard Shovels. Wyoming Shovel Works, Wyoming, Pa.
Wyoming Steam and Compressed Air Traps, Steam Eliminators. W. H. Nicholson & Co., Wilkes-Barre, Pa.
Wypak Yarn Packing. Wyoming Yarn Co., Wyoming, R. I.

X

X Adjustable Wrenches. Frank Mossberg Co., Attleboro, Mass.
X Bolt Anchors. Diamond Expansion Bolt Co., New York.
X-Cell-All Paint and Varnish Remover. Charles McAdam Co., Chi'go.
X-Cel-All Steel Cement. Shanafelt Mfg. Co., Canton, O.
X-Cel Tools, Reamers, Taps, Dies, Milling Cutters, Etc. Alvord Reamer & Tool Co., Millersburg, Pa.
Xcelsior Boiler Rivets. Steel Car Forge Co., Pittsburgh, Pa.
XC Tar Coating. The Barrett Co., New York.
Xduct Steel Conduits. American Circular Loom Co., New York.
XP Files. Nicholson File Co., Providence, R. I.
X-I-96 Boiler Injectors. Wm. Powell Co., Cincinnati, O.
X Insulators. The Ohio Brass Co., Mansfield, O.
XLA Flexible Car Roofs. Standard Railway Equipment Co., Chicago
X-L-All Cement Plaster. Windsor Mtl. Co., St. Louis, Mo.
X, L, Conductors' Ticket and Spring Punches. Exell Mfg. Co., New Haven, Conn.
X L C B Hardwood Flooring. Osgood & Blodgett Mfg. Co., St. Paul,
X L C B Switchmen's Lanterns. R. E. Dietz Co., New York.
X L C B Packing. Montgomery Bros., Inc., Philadelphia, Pa.
X L Corn Shellers. International Harvester Company of America, Inc., Chicago.
X Leather Belting. Fensholt & Fichner, Chicago.
X-L Fanning Mills. American Grain Separator Co., Minneapolis.
X.-L. Felt, Buffing and Polishing Wheels. Eastern Felt Co., Winchester, Mass.
X L Fire Hose. Mechanical Rubber Co., Cleveland, O.
X. L. Hack Saw Blades. H. G. Thompson Son & Co., New Haven, Conn.
X L Hack Saws. Hy. G. Thompson & Son Co., New Haven, Conn.
X L Hooks. Jno. Stortz & Son, Philadelphia, Pa.
X-L Improved Adjustable Blade Reamers. Schellenbach-Hunt Tool Co., Cincinnati, O.
X L Metallic Shingles. Canton Art Metal Co., Canton, O.
X L 96 Ejectors and Pumps. Penberthy Injector Co., Detroit, Mich
X L Polishes. Mohawk Chemical Co., Chicago.
X. L. Weighing Machines. Seely Bros., Blaine, Wash.
X-L-C-B Window Cleaners. Standard Cleaner Co., Chicago.
X. L. N. C. Belt Dressing, Harness Oils and Water Proofing. Commercial Chemical Co., Boston, Mass.
Xlent Metallic Shingles. Hyndman Roofing Co., Cincinnati, O.
X. L. N. T. Padlocks. Fraim-Slaymaker Hardware Co., Inc., Lancaster, Pa.
X. L. 6 Lever Padlocks Fraim-Slaymaker Hardware Co., Inc., Lancaster, Pa.
X L Shingles and Skylights. Canton Art Metal Co., Canton, O.
X-L-Oid Rubber Roofing. Keystone Roofing Mfg. Co., York, Pa.
Xmplr Padlocks. Fraim-Slaymaker Hdwe. Co., Inc., Lancaster, Pa.
Xmplr 6 Lever Padlocks. Fraim-Slaymaker Hardware Co., Lancaster, Pa.
X-Ray Candles. The M. Werk Co., St. Bernard, Cincinnati, O.
X-Ray Index Systems. LeFebure Ledger Co., Cedar Rapids, Ia.
X-ray Induction Coils. E. S. Ritchie & Sons, Brookline, Mass.
X-ray Lemon Squeezers. Arcade Mfg. Co., Freeport, Ill.
X-Ray Lighting and Reflectors. Curtis Lighting, Inc., Chicago.
X-Ray Oil Filters. Maurer, Labadie & Co., South Bend, Ind.
X-ray Spark Coils. Pfanstiehl Co., North Chicago.
X-ray Steam and Hot Water Heaters. Samuel Sloan & Co., Rochester, N. Y.
XS Chains. Howe Chain Company, Muskegon, Mich.
Xtend-A-Ford Delivery Chassis. Xtend-A-Ford Co., Philadelphia, Pa.
Xtermolene. R. M. Hollingshead Co., Camden, N. J.
X T O P Steel. Fairley-Davidson Steel Co., Inc., New York.
Xtragood Typewriter Carbon Paper. Union Ribbon & Carbon Co., Philadelphia, Pa.
Xylol. Barret Co., New York.
XX Asphalt Graphite Paints. National Roofing Co., Tonawanda, N. Y.
XX Century Expanded Metal Lath. North Western Expanded Metal Co., Chicago.
XXth Century Hot Air Furnaces. XXth Century Heating & Ventilating Co., Akron, O.
XX Century Oil Extractors, Damper Regulators, Exhaust Heads, Pump Governors, Steam Separators, Steam Traps, Valves. Atwood & Morrill, Salem, Mass.
XXth Century Water and Milk Coolers. Cordley & Hayes, New York.
XX Dredge Chains. U. S. Chain & Forging Co., Pittsburgh, Pa.
XX Extra Fire Hose. Empire Tire & Rubber Corp., Trenton, N. J.
XX Hose; Packing; Matting; Cement. The Diamond Rubber Co., Inc., Akron, O.
XX Oxide of Zinc. New Jersey Zinc Co., New York.
XX Red Oxide of Zinc. The New Jersey Zinc Co., New York.
XX Step Ladders. Bent Rung Ladder Co., Indiana, Pa.
XXCY Loom Pickers. E. H. Jacobs Mfg. Co., Danielson, Conn.
XXX Bells and Buzzers. P. R. Mfg. Co., Detroit, Mich.
XXX Can Openers. Browne & Dowd Mfg. Co., Meriden, Conn.
XXX Iron Box Bells and Buzzers. Stanley & Patterson, Inc., New York.
XXX Red Rope Sheathing. H. F. Watson Co., Erie, Pa.
XXX Rubber Belt, Hose. W. H. Salisbury & Co., Chicago.
XXX Safety Valves. J. E. Lonergan Co., Philadelphia.
XXX White Diamond Buffing Compositions. Matchless Metal Polish Co., Chicago.
XXXX Nickel Babbitt Metal. Gt. Western Smelting & Refining Co., Chicago.
Xyloform Paint, Waterproof Glue. Nash Engineering Co., South Norwalk, Conn.
Xyno Artificial Stone Laundry Tubs, Refrigerator Linings, Stone Burial Cases and Vaults, Stone Sanitary Flooring, Water Closet Tanks. Mineral Products Co., Rhinelander, Wis.
Xyno Humidifying Apparatus. Mineral Products Co., Rhinelander, Wis.
Xyno Refrigerators. Rhinelander Refrigerator Co., Rhinelander, Wis.

Y

Y Blow-Off Valves. Kelly & Jones Co., Greensburg, Pa.
Y Brass Ingots. Geo. S. Youngs, Bridgeport, Conn.
Y. B. Wood-Stains. Yarnall Paint Co., Philadelphia.
Y Co. Traps. Jos. H. Young Co, Boston, Mass.
Y. P. S. Coal Chute Doors; Steel Basement Windows. The Youngstown Pressed Steel Co., Warren, O.
YYY Safety Valves. J. E. Lonegran Co., Philadelphia.
Y. & E. Bottling Machinery. Modern-Bond Company, Wilmington, Del.
Y and E Filing Devices and Office Systems, Efficiency Desks, Direct Name Filing System. Yawman & Erbe Co., Rochester, N. Y.
Y. & E. Fishing Reels. Horrocks-Ibbotson Co., Utica, N. Y.
Y Oil Engines. Fairbanks, Morse & Co., Chicago.
Yacht Bunting. U. S. Bunting Co., Lowell, Mass.
Yager's Soldering Fluxes. Alex R. Benson Co., Hudson, N. Y.
Yala Ratchet Wrenches. Syracuse Wrench Co., Syracuse, N. Y.
Yale Air Compressor. Superior Machine & Eng'ing Co., Detroit, Mich.
Yale Air, Steam and Water Hose. Empire Tire & Rubber Corp., Trenton, N. J.
Yale Bicycles. Davis Sewing Machine Co., Dayton, O.
Yale Blocks, Electric Industrial Trucks, Hoists, Hardware and Locks. Yale & Towne Mfg. Co., New York.
Yale Casters. The Bassick Company, Bridgeport, Conn.
Yale Grease Cup Lubricators. McNab & Harlin Mfg. Co., Paterson, N. J.
Yale Lawn Mowers. American Lawn Mower Co., Muncie, Ind.
Yale Medicinal Atomizers and Hypodermic Needles. Becton, Dickinson & Co., Rutherford, N. J.
Yale Numbers and Letters. Hoggson & Pettis Mfg. Co., New Haven, Conn.
Yale Piston Rings. Yale Piston Ring Co., New York.
Yale Rubber Belting, Steam and Water Hose, Hose Rack. W. D. Allen Mfg. Co., Chicago.
Yale Rubber Tires and Inner Tubes. Yale Tire & Rubber Co., New Haven, Conn.
Yale Stove Pipe and Elbows. Hemp & Co., St. Louis, Mo.
Yankee Automobile Mufflers and Barrel Spray Pumps. D. B. Smith & Co., Utica, N. Y.
Yankee Babbitt Metal. Lumen Bearing Co., Buffalo, N. Y.
Yankee Bells and Gongs. Gong Bell Mfg. Co., East Hampton, Conn.
Yankee Braces. Jennings-Russell Mfg. Co., Chester, Conn.
Yankee Cake Boards, Ironing Boards and Tablets, Etc. Davis Mfg. Co., Clinton, Me.
Yankee Calipers and Dividers. L. S. Starrett Co., Athol, Mass.
Yankee Can Openers. Taylor Mfg. Co., Hartford, Conn.
Yankee Chief Fire Hose. Quaker City Rubber Co., Philadelphia, Pa.
Yankee Cleaner. Yankee Cleaner Co., Chicago.
Yankee Cold Water Paste. National Gum & Mica Co., New York.
Yankee Corn Hooks. American Fork & Hoe Co., Cleveland, O.
Yankee Countersinks, Drills, Tools. North Bros. Mfg. Co., Phila., Pa.
Yankee Disc Harrows. Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Yankee Drill Grinders. Wilmarth & Morman Co., Grand Rapids, Mich.
Yankee Drills, Drill Chucks, Screw Drivers, Vises, Tap Wrenches. North Bros. Mfg. Co., Philadelphia.
Yankee Electric Switches. Bryant Electric Co., Bridgeport, Conn.
Yankee Feed Cutters. W. Eddy Plow Co., Greenwich, N. Y.
Yankee Plush Switches. Bryant Electric Co., Bridgeport, Conn.
Yankee Fly Swatters. U. S. Wire Mat Co., Decatur, Ill.
Yankee Flyer Hand Cars. E. U. Scoville Co., Manlius, N. Y.
Yankee Foot and Power Presses. Rowbottom Machine Co., Waterbury, Conn.
Yankee Garden Hose. Quaker City Rubber Co., Philadelphia, Pa.
Yankee Harness Snaps. Covert Mfg. Co., Troy, N. Y.
Yankee Hose Menders. Boston Woven Hose Rub. Co., Cambridge, Mass.
Yankee Ice Shavers and Cork Pullers. Gilchrist Co., Newark, N. J.
Yankee Lathes. Meriden Machine Tool Co., Meriden, Conn.
Yankee Lawn Mowers. Blair Mfg. Co., Springfield, Mass.
Yankee Lawn Sprinklers. W. D. Allen Mfg. Co., Chicago.
Yankee Levels. Frost & Adams Co., Boston, Mass.
Yankee Packing. Colonial Supply Co., Pittsburgh, Pa.
Yankee Paper Making Machines. Pusey & Jones, Wilmington, Del.
Yankee Pot Cover Repair Knobs. Graham & Berwin, New York.
Yankee Pulverizers. Bateman & Companies, Inc., New York.
Yankee Screw Sticks. Chandler & Price Co., Cleveland, O.
Yankee Side, Tail and Parking Oil Auto Lamps. American Auto Lamp Co., New York.
Yankee Soldering Salts. C. W. Leveridge, New York.
Yankee Stove Pipe Dampers. Detroit Register Co., Detroit, Mich.
Yankee Tack Claws and Pullers, Wire Pullers. Browne & Dowd Mfg. Co., Meriden, Conn.
Yankee Telephones. S. H. Couch Company, Inc., Norfolk Downs, Mass.
Yankee Tire Pump. Apex Electric Mfg. Co., Chicago.
Yankee-Toothed Concrete Shovels. B. B. Neal Hardware Co., N. York.
Yankee Torches. E. P. Gleason Mfg. Co., New York
Yankee Tissue Paper Machy. Beloit Iron Works, Beloit, Wis.
Yankee Vises. Prentiss Vise Co., New York.
Yankee Wall Plugs. Merwin Mfg. Co., Erie, Pa.
Yankee Wrapping Paper. McNulty Paper & Twine Corp., Chicago.
Yantic Belt Dressing. The Ulmer Leather Co., Norwich, Conn.
Yardley Rail Anti-Creepers. P. & M. Co., Chicago.
Yardmaster Switch Stands. The American Valve & Meter Co., Cincinnati, O.
Yarway Automatic Boiler Skimmer. Yarnall-Waring Co., Philadelphia, Pa.
Yarway-Caskey Hydraulic Valves. Yarnall-Waring Co., Philadelphia, Pa.
Yarway Engineering Devices. Yarnall-Waring Co., Phila., Pa.
ing Co., Philadelphia, Pa.
Yarway-Lea V-Notch Recording Liquid Meter. Yarnall-Waring Co., Philadelphia, Pa.
Yarway Seatless Blow-off Valves, Pipe-Joint Clamps, Adjustable Spray Heads, Air Compressor Unloaders, Holtite Pipe Clamps, Double Tightening Blow-Off Valves, Steam Traps. Yarnall-Waring Co.
Yaryan Evaporator. Chas. Ordway, New York.
Yates Flexible Belt Sanders. P. B. Yates Machine Co., Beloit, Wis.
Yates Net Locks. Alden Speare's Sons Co., Cambridge, Mass.
Yates Perfect Fire Hose Rack. Steam Supply & Rubber Co., Seattle.

Yawmanote Correspondence Folders, File Pockets and Expanding Envelopes. Yawman & Erbe Mfg. Co., Rochester, N. Y.
Yeakley Pneumatic Forging Machinery, Hammers. William White & Co., Moline, Ill.
Yellow End Open Hearth Steel. Hawkridge Bros. Co., Boston, Mass.
Yellow Fellow Pea Hullers, Threshers. Avery Co., Peoria, Ill.
Yellow Head Emery Wheel Dressers. The Hetherington Co., Piqua, O.
Yellow Jacket Shower. F. W. Roberts Mfg. Co., Inc., Lockport, N. Y.
Yellow Jacket Sprayer Pumps and Potato Sprayers. Field Force Pump Co., Elmira, N. Y.
Yellow Jack-It Automobile Jacks. Bunnell & Co., Chicago.
Yellow Kid Paper Cap Exploders. Wrightsville Hardware Co., Wrightsville, Pa.
Yellow Shield Paints, Stains, Enamels, Varnishes, **Colors,** Japans Fillers. Eugene E. Nice Co., Philadelphia, Pa .
Yellow Strand Wire Rope. Broderick & Bascom Rope Co., St. Louis, Mo.
Yeomans Pumps, Sewage Ejectors. Yeomans Brothers Co., Chicago.
Yerdon's Hose Bands. William Yerdon, Fort Plain, N. Y.
Yerkes Sliding Yoke Device. Waugh Draft Gear Co., Chicago.
York Binders Board. C. B. Hewitt & Bros., Inc., New York.
York Car Fenders. York Corrugating Co., York, Pa.
York Cloth. New York Wire Cloth Co., New York.
York Corn Planters and Grain Drills. Hench & Dromgold Co., York, Pa.
York Coal and Gas Engines, Gasoline Traction Engines, Pumping Jacks. Flinchbaugh Mfg. Co., Greencastle, Pa.
York Flush Tanks. M. P. Berglas Mfg. Co., Brooklyn, N. Y.
York Ice Machinery. York Mfg. Co., York, Pa.
Yorklyn Thermometers. C. J. Tagliabue Mfg. Co., Brooklyn, N. Y.
Yorktown Heights Lime. Palmer Lime & Cement Co., New York.
Yost Vises and Gas Soldering Furnaces. Yost Mfg. Co., Meadville, Pa.
Yough Brick. Kier Fire Brick Co., Pittsburgh, Pa.
Yough Pumps. Boyts, Porter & Co., Connellsville, Pa.
Youkin Oils. Frank L. Young Co., Boston, Mass.
Young Canopy Insulators. Mica Insulator Co., New York.
Young Fountain Lawn Sprinklers. Spray Engng. Co., Boston, Mass.
Young Gear Cutting Attachments. Mafreto Machine & Tool Co., Worcester, Mass.
Young Giant Fanning Mills. Johnson & Field Mfg. Co., Racine, Wis.
Young Giant Fire Pumps. Hale Fire Pump Co., Conshohocken, Pa.
Young Japanning and Enameling Ovens. Young Bros. Co., Detroit, Mich.
Young Rain Water Cut-Off. Young Mfg. Co., Bellevue, Ia.
Young Valve-Gear. Pyle National Co., Chicago.
Young Water Closet Bends. Park & McKay, Detroit, Mich.
Young's Engineers' and Surveyors' Instruments. Young & Sons, Philadelphia, Pa.
Young's Flush Valves. Fort Pitt Supply Co., Pittsburgh, Pa.
Young's Gas Regulators. Equitable Meter Co., Pittsburgh, Pa.
Youngstown Copperoid Steel. Youngstown Sheet & Tube Co., Youngstown, O.
Youngstown Expanded Metal Lath and Metal Studs, Box Channels and Pencil Channel. The Youngstown Pressed Steel Company, Warren, O.
Youngstown Iron and Steel Pipe, Corrugated Iron and Steel Merchant Bars, Iron and Steel Sheets, Plates, Wire Hooks and Nails, Woven Wire Fences. Youngstown Sheet & Tube Co., Youngstown, O.
Yourex Silverplated Tableware. Associated Silver Co., Chicago.
Ypsilanti Vegetable Cutters. O. E. Thompson & Sons, Ypsilanti, Mich.
Yuba Ball Tread Tractors. Yuba Mfg. Co., San Francisco.
Yuba Gold Dredges. Yuba Mfg. Co., San Francisco, Cal.
Yu Buy Garbage Cans. Metal Products Corp., Weehawken, N. J.
Yucatan Screw Cutting Oil. D. A. Stuart & Co., Chicago.
Yucca-Palm Surgeons' Splints and Tree Guards. Yucca Mfg. Co., Los Angeles, Cal.
Yu-ess Typewriters. Yu Ess Mfg. Corp., New York.
Yukon Extension Clothing Carriers. Knape & Vogt Mfg. Co., Grand Rapids, Mich.
Yule Box Stoves. B. C. Bibb Stove Co., Baltimore, Md.
Yunck Store Stools. Bryan Novelty Mfg. Co., Bryan, O.
Yusea Incandescent Gas Mantels. Welsbach Light Co., Phila, Pa

Z

Z Bits. Lebanon Machine Co., Lebanon, N. H.
Z Gasoline, Kerosene, Distillate, Oil Engines. Fairbanks, Morse & Co. Chicago.
Z Insulating Tape. Revere Rubber Co., Chelsea, Mass.
Z E Piston Rings. Goshen Specialty Mfg. Co., Goshen, Ind.
Z Paints, Paste, Varnishes, Stains. Wm. Zinsser & Co., Jersey City, N. J.
Z U Carliners. Standard Railway Equipment Co., Chicago.
Zaco Lacquer. M. L. Barrett & Co., Chicago.
Zagelmeyer Cast Stone. Block Machinery Co., Bay City, Mich.
Zane's Cocks and Bibbs. Mowry & Phillips, Boston, Mass.
Zanzibar Writing Fluid. B. Heller & Co., Chicago.
Zanzibolo Floor Finish. B. Binswanger & Co., Philadelphia.
Zapon Lacquer, Enamels, Solvents, Etc. Celluloid Zapon Co., New York.
Zapon Leather Cloth. Zapon Leather Cloth Co., New York.
Zaponite Wood Finishes. Celluloid Zapon Company, New York.
Zaremba Multiple Effects Evaporators. Zaremba Co., Buffalo, N. Y.
Zarex Roofing. Flintkote Co., Boston.
Zastrow Canning Factory Cranes. Geo. W. Zastrow, Baltimore, Md.
Zaubitz Oven Thermometers, Revolution Counters. August Zaubitz, New York.
Zanger Bits. Lebanon Machine Co., Lebanon, N. H.
Zecher Foundry Cupolas. Barry & Zecher Co., Lancaster, Pa.
Zeda Brooms. Lee Broom & Duster Co., Lincoln, Neb.
Zee Metal Lath. The Youngstown Pressed Steel Company, Warren, O
Zeiss Field Glasses and Photo Lenses. (Carl Zeiss, Jena.) Harold M. Bennett, New York.
Zeitler Evaporating Pans. Oakland Copper & Brass Works, Oakland, Cal.
Zeizer Concrete Forms. Zeiser Bros., Berwick, Pa.
Zelco Piston Rings. Walter A. Zelnicker Supply Co., St. Louis, Mo.
Zelco Tuyere Cocks and Unions. Lawrenceville Bronze Co., Pittsb'gh.
Zellac Lacquers and Lacquer Enamels. Zeller Lacquer Mfg. Co., New York.
Zellerol Disinfectant. National Paper Products, San Francisco, Calif.
Zelnicker Crayons. Zelnicker Crayon Works, St. Louis, Mo.
Zelnicker-Ever-Tyte Piston Rings. Ever-Tyte Piston Ring Div., Walter A. Zelnicker Supply Co., St. Louis, Mo.
Zelnicker Rail Benders, Sand and Gravel Dryers, Portable Hydraulic Wheel Press, Fire Pails, Switch Locks. Walter A. Zelnicker Supply Co., St. Louis, Mo.
Zeman Clam Shell Buckets. Cleveland Iron Works Co., Cleveland, O.
Zemco-lite Portland Paint. American Cement Paint Co., Chattanooga, Tenn.
Zena Packing. Randolph Brandt, New York.
Zenith Carbonating Powders. Church & Dwight Co., New York.
Zenith Cement and Wood Fibre Plaster. United States Gypsum Co., Chicago.
Zenith Chiropractic Tables. Williams Mfg. Co., Elgin, Ill.
Zenith Filtering Apparatus. Industrial Filtration Corp., New York.
Zenith Electric Desk Lights. J. H. White Mfg. Co., Brooklyn, N. Y.
Zenith Fire Hose. Revere Rubber Co., Boston, Mass.
Zenith Hame Chains. Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Zenith Kerosene Lamp Burners. Edward Miller & Co., Meriden, Conn.
Zenith Lamp Chimneys. Macbeth-Evans Glass Co., Pittsburgh.
Zenith Lawn Sprinklers. W. D. Allen Mfg. Co., Chicago.
Zenith Leather Belting. Jewell Belting Co., Hartford, Conn.
Zenith "Long Distance" Radio Apparatus. Chicago Radio Laboratory, Chicago.
Zenith Pig Iron. Zenith Furnace Co., West Duluth, Minn.
Zenith Steam Heaters. Coatesville Boiler Wks., Coatesville, Pa.
Zenith (Texaco) Lubricating Oil. The Texas Company, New York.
Zeno Wire Connectors. Fort Dearborn Mfg. Co., Sterling, Ill.
Zenoil Oils and Greases. Marshall-Wells Co., Duluth, Minn.
Zenobia Chemical Engine Hose. Electric Hose & Rubber Co., Wilmington, Del.
Zenobia Rubber Hose. Electric Hose & Rubber Co., Dept. H, Wilmington, Del.
Zenoleum Disinfectants. Zenner Products Co., Detroit, Mich.
Zeolite Water Softeners. The Permutit Co., New York.
Zephyr Carburetors. P. R. Mfg. Co., Detroit, Mich.
Zephyr Lawn Swings. Goshen Churn & Ladder Co., Goshen, Ind.
Zeppelino Aluminum Alloy. Maiwurm Aluminum Corp., Ashland, O.
Zering Lifting Truck Platforms. H. Zering Mfg. Co., Cincinnati, O.
Zerings Perfection Hand Propelled Vehicles. The H. Zering Mfg. Co., Cincinnati, O.
Zero Babbitt Metal. E. L. Post & Co., Inc., New York.
Zero Brand Oils and Greases; Oil Products. Zero Oil Co., Parkersburg, W. Va.
Zero Electric Illuminated Signs. Marx Zero Sign Works, Chicago.
Zero-Hot Box Cooler. Gustin-Bacon Mfg. Co., Kansas City, Mo.
Zero Insulation. Johns-Manville, Incorporated, New York.
Zero Lamp Wicks. Massasoit Mfg. Co., Fall River, Mass.
Zero Refrigerators. Heinz & Munschauer, Buffalo, N. Y.
Zero Sight Feed Lubricators. Detroit Lubricator Co., Detroit, Mich.
Zero Stove Lid Lifters. N. Y. Stamping Co., Brooklyn, N. Y.
Zero Stove Lid Lifters, Stove Door Knobs, Stove Pokers, Stove Trimmings, Valve Wire Wheels. E. Lynd Mfg. Co., Mechanicsville, N. Y.
Zero Stove Pokers. L. E. Lynd Mfg. Co., Mechanicsville, N. Y.
Zerolene Lubricating Oils. Standard Oil Co., San Francisco.
Zeroplus Cold Storage Doors. Gillen-Cole Co., Portland, Ore.
Zest Babbitt Metal. Eagle Smelting & Refining Works, New York.
Zeta Colored Cotton Waste. Massasoit Mfg. Co., Fall River, Mass.
Zetroc Oil Tanks and Pumps. A. C. Kraft, Chicago.
Zeus A. C. Arc Welder. Gibb Instrument Co., Bay City, Mich.
Ziegler Electric Mine Signals, Railway Crossing Signals. United Electric Apparatus Co., Boston.
Ziegler Relays. United Electric Apparatus Co., Boston, Mass.
Ziermore Feed Water Regulators, Gas Pressure Regulators, Fan Engine Regulators. Ziermore Regulator Co., Johnsonburg, Pa.
Zig-Zag Honeycomb Radiators. Auto Radiator Mfg. Co., Chicago.
Zig-Zag Rules. Stanley Works, New Britain, Conn.
Zig-Zag Safety Razor Blade Stropper. Zig-Zag Sales Co., Chicago.
Zim Leather Belting. Zimmer Belting Co., New York.
Zimboline Soldering Solutions. American Chemical Paint Co., Philadelphia, Pa.
Zime Duplex Wire Stretchers. Burgess-Norton Mfg. Co., Geneva, Ill.
Zimmerman Fruit Evaparators. Blymeyer Iron Wks. Co., Cincinnati.
Zimmerman Patent Iron Base Post Caps. S. Cheney & Son, Manlius, N. Y.
Zimmerman Pitless, Wagon & Stock Scales. Zimmerman Steel Co., Bettendorf, Ia.
Zimmerman Shutter Fasteners. G. F. S. Zimmerman Co., Inc., Frederick, Md.
Zimmerman Monarch Steel Pump Pullers. Zimmerman Steel Co., Bettendorf, Ia.
Zimmerman Process for Refining Precious Metals. Zimmerman Process Syndicate, Portland, Ore.
Zimmerman Wheel Guard and Track Cleaners. C. T. Patterson Co., Ltd., New Orleans, La.
Zincograph Process Printing. Zincograph Company, New York.
Zinc City Shingle Nails. W. H. Maze Co., Peru, Ill.
Zinc Insulated Farm Fences. American Steel & Wire Co., Chicago.
Zinclad Roofing Nails. W. H. Maze Co., Peru, Ill.
Zincra Boiler Compounds. Vulcan Asbestos Mfg. Co., New York.
Zin-Ho Portable Air Compressors. Zin-Ho Mfg. Co., Chicago; The Murdie Mfg. Co., Peru, Ill.
Zinnis Wire Stretchers. Burgess-Norton Mfg. Co., Geneva, Ill.
Zinolin Zinc Plate. Keystone Varnish Co., Brooklyn, N. Y.
Zip Paint and Varnish Remover. Jas. H. Prince Paint Co., Boston, Mass.
Zip Valve Grinding Compound. Zip Mfg. Co., Denver, Colo.
Zirkite Fire Brick. Foote Mineral Co., Inc., Philadelphia, Pa.
Zirkite Cement. Foote Mineral Co., Inc., Philadelphia.
Zirkite Refractories. Foote Mineral Co., Inc., Philadelphia.
Zirkonalba Refractories. Foote Mineral Co., Inc., Philadelphia.
Zone Metal Polish. Providence Oil Co., Providence, R. I.
Zorozo Grease. F. S. Walton Co., Philadelphia.
Z-Ro Hot Air Furnaces. Oakland Fdry. Co., Belleville, Ill.
Zu Carlines. Standard Railway Equipment Co., Chicago.
Zubian Sealing Wax. Dicks-Pontius Co., Dayton, O.
Zug Stay Bolt Iron. Zug Iron & Steel Co., Pittsburgh, Pa.
Zulite Black Paint. Bay Way Chemical Co., Elizabeth, N. J.
Zulu Hose. The Diamond Rubber Co., Inc., Akron, O.
Zumbro Builders' Materials. Contractors & Builders Supply Co., Oakland, Cal.
Zurn Oil for Automobiles. O. F. Zurn Co., Philadelphia, Pa.
Zylex Roofing. The Ruberoid Co., New York, Chicago and Boston.
Zylo Shell Goggles. Strauss & Buegeleisen, Brooklyn, N. Y.
Zymolite Paint and Varnish Remover. Emil Calman & Co., New York.
Zyro Metal Silos, Corn Cribs, Grain Bins, Etc. The Canton Culvert & Silo Co., Canton, O.

Index to Display Advertisements

For Advertisers' Branch Offices and Distributors see Address and Local Distributors Section, commencing on Page 7.

ABBE, INC., PAUL O., 71A Murray St., New York.....Pages 1563, 1569
CLASSIFICATIONS:—9760, Mills (Ball Porcelain); 9813a, Mills (Pulverizing).

ABBE ENGINEERING CO., 38 Church St., New York.
Pages 815, 939, 959, 1422, 1563, 1566, 1567, 1568, 1573
CLASSIFICATIONS:—2746, Cloth (Bolting); 3593, Cutters (Rotary, for Drugs & Spices); 3852, Disintegrators; 8691, Paint Grinding & Mixing Machines; 9759, Mills (Attrition); 9761, Mills (Ball & Pebble); 9783, Mills (Dry Color Grinding); 9797, Mills (Grinding & Crushing); 9802, Mills (Jar); 9887, Mixers & Sifters.

ABBOTT BALL CO. (Elmwood Sta.), Hartford, Conn.....Pages 568, 575
CLASSIFICATIONS:—473-4, Balls (Steel); 538, Barrels (Tumbling or Rumbling).

ABENDROTH & ROOT MFG. CO., Newburgh, N. Y.....Page 1687
CLASSIFICATION:—10965, Pipe (Spiral Riveted).

ACHESON MFG. CO., Rankin, Pa.....Page 1065
CLASSIFICATION:—4798, Fittings (Brass Pipe).

ACME ASBESTOS COVERING & FLOORING CO., 234 N. Elizabeth St., Chicago.
CLASSIFICATION:—10983, Pipe & Boiler Coverings (Asbestos). Page 1690

ACME TANK CO., 43 Cortlandt St., New York.....Page 2087
CLASSIFICATION:—14823, Tanks (Wood).

ACTIVE SPINNING & SHEET METAL WORKS, 15-17 W. Kinzie St., Chicago.
CLASSIFICATION:—13932, Spinning (Metal). Page 1959

ADJUSTABLE CLAMP CO., 220 North Jefferson St., Chicago.....Page 804
CLASSIFICATION:—2568, Clamps (Carpenters', Adjustable Screw, Etc.).

AETNA BALL BEARING MFG. CO., 2743 High St., Chicago.....Page 591
CLASSIFICATION:—695, Bearings (Thrust).

AKRON METALLIC GASKET CO., 142 N. Union St., Akron, O.....Page 1121
CLASSIFICATION:—5204, Gaskets (Asbestos).

ALBAUGH-DOVER MFG. CO., 2122 Marshall Blvd., Chicago.....Page 1140
CLASSIFICATION:—5378, Gears (Cut).

ALBERT & DAVIDSON, 256-264 Oakland St., Brooklyn, N. Y.....Page 1686
CLASSIFICATION:—10959, Pipe (Second Hand).

ALL-STEEL-EQUIP. CO., 16 John St., Aurora, Ill.....Page 1338
CLASSIFICATION:—7518, Lockers (Metallic).

ALLAN MFG. & WELDING CO., 728 Washington, Buffalo, N. Y.....Page 1456
CLASSIFICATION:—9401, Welding Machines (Electric).

ALLEN & BILLMYRE CO., Grand Central Palace, New York.
Pages 616, 843, 1027, 1756, 1782, 1787, 2179
CLASSIFICATIONS:—935, Blower Mfrs.; 2957, Compressors (Centrifugal); 4472, Exhausters (Electric); 11793, Pumps (Air, Exhaust); 11925, Pumps (Rotary); 11960, Pumps (Vacuum); 16248, Vacuum Cleaners (Portable Household Type).

ALLEN MFG. CO., W. D., 201-211 N. Jefferson St., Chicago.
Pages 597, 806, 1319, 1350, 1593, 1707, 1813
CLASSIFICATIONS:—734, Belting Mfrs.; 2589, Clamps (Hose); 7331, Lawn Sprinklers; 7637-8, Lubricators (Oil & Grease Cup); 10144, Nipple (Pipe); 11226, Plugs (Pipe); 12278, Reels & Racks (Fire Hose).

ALLIS-CHALMERS MFG. CO., Milwaukee, Wis.....Page 1418
CLASSIFICATION:—8616, Mining Machinery.

ALLOY METAL WIRE CO., Grand Central Terminal, New York.
Pages 2248, 2257, 2259, 2260, 2266
CLASSIFICATIONS:—16890a, Wire; 16929b, Wire (Dental); 16929c, Wire (Electric Resistance); 16953, Wire (Monel Metal); 16955, Wire (Nickel); 16955a1, Wire (Nickel Chromium); 16982, Wire (Spark Point).

ALUMINUM COMPANY OF AMERICA, 2301 Oliver Bldg., Pittsburgh, Pa.
CLASSIFICATION:—130a, Aluminum. Page 517

AMERICAN ASPHALT MACHINERY CO., 118 St. Clair Ave., East, Cleveland, O.
Pages 552, 1213
CLASSIFICATIONS:—266, Asphalt Plant Builders; 6016 Heaters (Asphalt, Pitch & Tar).

AMERICAN BOLT CORP., Whitehall Bldg., New York.....Page 633
CLASSIFICATION:—1044, Bolts, Nuts & Rivets.

AMERICAN CAN CO., 120 Broadway, New York.....Pages 717, 719, 721
CLASSIFICATIONS:—1844, Cans (Fibre); 1863, Cans (Paint & Varnish); 1876, Cans (Tin, Fibre & Galvanized).

AMERICAN CROSSARM & CONDUIT CO., 90 W. Broadway, New York..Page 924
CLASSIFICATION:—3437, Cross Arms (Wood).

AMERICAN FOREST PRODUCTS CO., 24th & Race Sts., Philadelphia, Pa.
CLASSIFICATION:—10491, Pads (Packing). Page 1635

AMERICAN FROG & SWITCH CO., Hamilton, O....Pages 1095, 1800, 2048, 2143
CLASSIFICATIONS:—5028, Frogs, Switches & Crossings; 14610, Switches, Switch Stands & Fixtures; 12114a, Railroad Equipment (For Narrow Gauge); 15847, Track (Railway, Industrial & Portable).

AMERICAN INSULATION CO., Roberts Ave. & Stokley St., Philadelphia, Pa.
CLASSIFICATION:—247, Asbestos Building Lumber. Page 551

AMERICAN ROLLER BEARING CO., 428 Melwood Ave., Pittsburgh, Pa.Page 591
CLASSIFICATION:—689, Bearings (Roller).

AMERICAN SCHAEFFER & BUDENBERG CORP., Berry & South 5th, Brooklyn, N. Y......Pages 1131, 2117, 2149, 2193
CLASSIFICATIONS:—5288a, Gauges (Hydraulic); 15516, Thermometers (Steam & Hot Water); 15908, Traps (Steam); 16366, Valves (Pop Safety).

AMERICAN SPIRAL PIPE WORKS, Chicago.....Page 1688
CLASSIFICATION:—10974, Pipe (Welded Wrought Steel).

AMERICAN SPIRAL SPRING & MFG. CO., 5600 Harrison, Pittsburgh, Pa.
CLASSIFICATION:—13994, Springs (Agricultural Implement). Page 1962

AMERICAN STEEL & WIRE CO., 208 S. La Salle St., Chicago.
Pages 847, 2144, 2264, 2265
CLASSIFICATIONS:—2993, Concrete Reinforcing Materials; 15860, Tramways (Wire Rope); 16975, Wire Rope & Cables; 16976, Wire (Rubber Covered).

AMES CO., B. C., Waltham, Mass.....Page 1314
CLASSIFICATION:—7257, Lathes (Bench).

AMS, MAX, 101 Park Ave., New York.....Pages 1386, 1425, 1442, 1443, 1453, 1740
CLASSIFICATIONS:—7935, Can Makers' Machinery; 8763, Petroleum Can Machinery; 9086, Sheet Metal Barrel & Drum Machinery; 9135, Slitting Machines (Gang); 9350, Tub & Pail Machinery; 11608, Presses (Power).

ANCHOR BUILDING CO., Elizabeth, N. J.....Page 845
CLASSIFICATION:—2985, Concrete Floors & Arches.

ANCHOR CONCRETE MACHY. CO., 530 Dublin Ave., Columbus, O.....Page 1392
CLASSIFICATION:—8096, Concrete Building Block Machinery.

ANCHOR POST IRON WORKS, 50 Church St., New York.....Page 1042
CLASSIFICATION:—4637, Fences (Iron & Steel).

ANDERSON BARNGROVER MFG. CO., 333 W. Julian St., San Jose, Cal.
CLASSIFICATION:—7960, Canning Machinery. Page 1387

ANDERSON CO., V. D., W. 96th, Cleveland, O.....Page 1901
CLASSIFICATION:—13313, Separators (Steam & Oil).

ARCTIC ICE MACHINE CO., Canton, O.....Page 1411
CLASSIFICATION:—8485, Ice & Refrigerating Machines.

ARMINGTON ENGINEERING CO., Euclid, O.....Page 916
CLASSIFICATION:—8364, Cranes (Hand Traveling).

ARMSTRONG MACHINE WORKS, 307 Maple St., Three Rivers, Mich...Page 2150
CLASSIFICATION:—15908, Traps (Steam).

ARMSTRONG MACHINERY CO., Spokane, Wash.....Page 1411
CLASSIFICATION:—8485, Ice & Refrigerating Machines.

ASHCROFT MFG. CO., Division of Manning, Maxwell & Moore, Inc., New York.
Page 761

ASHLAND FIRE BRICK CO., Ashland, Ky.....Page 672
CLASSIFICATION:—1425, Brick (Fire).

ATLANTIC EXCELSIOR CO., 507 W. 30th St., New York.....Page 1635
CLASSIFICATION:—10491, Pads (Packing).

ATLAS CAR & MFG. CO., Cleveland, O.....Page 733
CLASSIFICATION:—2022, Cars (Dumping).

AUDIFFREN REFRIGERATING MACHINE CO., 2211 West St. Building, New York.....Page 1410
CLASSIFICATION:—8485, Ice & Refrigerating Machines.

AURORA PUMP & MFG. CO., Aurora, Ill.....Page 1765
CLASSIFICATION:—11835, Pumps (Deep Well).

AUTOMATIC TRANSPORTATION CO., INC., 2939 Main St., Buffalo, N. Y.
CLASSIFICATION:—16047-8, Trucks (Storage Battery). Page 2160

AUTOSCREW CO., 356 W. Broadway, New York.....Pages 1577, 1889, 1894
CLASSIFICATIONS:—9927b, Monel Metal Parts; 13176, Screw Eyes; 13210b, Screws (Monel Metal).

BADGER & SONS CO., E. B., 75A Pitts St., Boston, Mass.....Page 1285
CLASSIFICATION:—6834, Joints (Expansion).

BAKELITE CORP., 247 Park Ave., New York.....Pages 566, 769, 1000, 1303, 2204
CLASSIFICATIONS:—431, Bakelite; 2237, Cement Mfrs.; 4303, Enamels; 7099, Lacquer Mfrs.; 16439, Varnish Mfrs.

BAKER MFG. CO., 555 Stanford Ave., Springfield, Ill.....Page 1705
CLASSIFICATION:—11199, Plows (Snow).

BAKER MFG. CO., S. D., 234 W. 14th St., New York.....Page 582
CLASSIFICATION:—630, Bath Room Fixtures & Furnishings.

BALTIMORE TUBE CO., Baltimore, Md.....Page 2165
CLASSIFICATION:—16095, Tubing (Brass, Bronze & Copper).

BARKAY CO., INC., THE, 26 Institute St., Jamestown, N. Y.....Page 678
CLASSIFICATION:—1496, Bronze Tablets, Etc.

BARKER BROS., INC., 6 Leo Pl., Brooklyn, N. Y.
Pages 522, 794, 837, 1696, 2062, 2236
CLASSIFICATIONS:—180, Anodes (Brass & Copper); 2438b, Chemicals (Electroplaters); 2922, Compositions (Buffing); 11054, Platers' & Polishers' Supplies; 14753, Tanks (Electro Platers'); 16764, Wheels (Buffing & Polishing).

BARNES-GIBSON-RAYMOND, Inc., 6398 Miller Ave., Detroit, Mich...Page 1969
CLASSIFICATION:—14010, Springs (Door, Coil, Etc.).

BARNES CO., THE WALLACE, 18 Wallace, Bristol, Conn.....Pages 1889, 1965
CLASSIFICATIONS:—13177, Screw Machine Products; 13998b, Spring (Brass, Flat & Wire).

BARNSTEAD STILL & STERILIZER CO., 3 Lanesville, Boston, Mass...Page 2021
CLASSIFICATION:—14324, Stills (Water).

BARTLETT & SNOW CO., C. O., 6350 Harvard Ave., Cleveland, O..Pages 880, 979
CLASSIFICATIONS:—3093, Conveyors (Belt); 4108a, Dryer & Calcining Apparatus.

BARWOOD MFG. CO., L. J., Stoneham 80, Boston, Mass.....Pages 1122, 1627, 2223
CLASSIFICATIONS:—5204b, Gaskets (Automobile); 10461, Packing (Leather); 16639, Washers (Leather).

BARWOOD MFG. CO., V. H., 117 Munroe St., Lynn, Mass...Pages 1122, 1629, 2223
CLASSIFICATIONS:—5204b, Gaskets (Automobile); 10463, Packing Mfrs.; 16639, Washers (Leather).

BASTIAN-BLESSING CO., 240 E. Ontario St., Chicago.....Page 2234
CLASSIFICATION:—16749, Welding & Cutting Apparatus (Oxy-Acetylene).

BAY STATE STAMPING CO., 380 Chandler St., Worcester, Mass.....Page 1045
CLASSIFICATION:—4662, Ferrules (Brass).

BAYLIS SANITARY SUPPLY CO., 340 W. Superior St., Chicago.....Page 2248
CLASSIFICATION:—16890, Wipers or Wiping Cloths (Machine).

BEACH-RUSS CO., 38 Church St., New York.
Pages 619, 1755, 1756, 1760, 1764, 1770, 1773, 1775, 1782
CLASSIFICATIONS:—945, Blowers (Positive Pressure); 2954, Compressors (Air); 11789, Pumps (Acid); 11795, Pumps (Air Line, Vacuum Heating); 11815, Pumps (Brine); 11826, Pumps (Compound); 11857, Pumps (Gas Compressing); 11868, Pumps (Hand); 11870, Pumps (High Vacuum, for Packing Houses); 11887, Pumps (Liquid); 11925, Pumps (Rotary).

BEGGS & CO., JAMES, 30 Warren St., New York.....Pages 630, 1168
CLASSIFICATIONS:—1039, Boilers (Tubular); 5575, Grate Bar Mfrs.

BELL LUMBER CO., Security Bldg., Minneapolis, Minn.....Page 1719
CLASSIFICATION:—11375a, Poles (Western & Northern Cedar).

BELL CO., THE DAVID, 1555 Fillmore, Buffalo, N. Y.....Page 1889
CLASSIFICATION:—13177, Screw Machine Products.

BELL, W. LEWIS, 314 First St., San Francisco, Cal.....Page 1229
CLASSIFICATION:—6183, Hoists (Contractors' Material).

BELMONT SMELTING & REFINING WORKS, INC., 328 Belmont Ave., Brooklyn, N. Y.....Pages 518, 560, 1258, 1320, 1546, 1881, 1883, 1953, 2125
CLASSIFICATIONS:—130a, Aluminum; 366, Babbitt Metal; 6592, Ingots (Brass & Copper); 7341, Lead (Pig); 9691, Metals (Electrotype, Linotype, Montoype, Stereotype, Etc.); 9691a, Metals (General); 13090, Scrap Brass & Copper; 13096, Scrap Zinc; 13865a, Solder (Bar); 15605, Tin (Bar & Pig).

BENNETT FIELD TIE CO., 1110 Fisher Bldg., Chicago.....Page 2120
CLASSIFICATION:—15565, Ties, Poles & Posts.

BENSON CO., INC., ALEX R., Hudson, N. Y.....Page 1954
CLASSIFICATION:—13874, Soldering Flux, Paste, Salts & Stick.

BERNZ CO., INC., OTTO, 17 Ashland Ave., Newark, N. J.....Pages 1104, 2138
CLASSIFICATIONS:—5080, Furnaces (Gasoline Blast); 15812, Torches (Gasoline Blow).

BIGGS BOILER WORKS, Akron, O.....Page 2077
CLASSIFICATION:—14806, Tanks (Steel).

BINGHAM STAMPING & TOOL CO., 1062 Post St., Toledo, O.....Page 1984
CLASSIFICATION:—14123, Stamping (Sheet Metal).

BLACK BROS. CO., 800 Third St., Mendota, Ill.....Pages 804, 1893
CLASSIFICATIONS:—2568, Clamps (Carpenters', Adustable Screw, Etc.); 13201, Screws (Hand).

BLAKE & JOHNSON CO., 1500 Thomaston; Waterbury, Conn.....Page 1891
CLASSIFICATION:—13177, Screw Machine Products.

BLAW-KNOX CO., 681 Farmers Bank Bldg., Pittsburgh, Pa.....Pages 582, 608, 688, 692, 693, 774, 875, 1092, 1109, 1268, 2015, 2019, 2146, 2172, 2198
CLASSIFICATIONS:—626b, Batchers (Adjustable Measuring); 820, Bins (Steel); 1587, Buckets (Clam Shell); 1645a, Buildings (Portable); 1645b, Buildings (Steel); 2281a, Central Proportioning Plants; 3049a, Contractors' Equipments; 4986a, Forms (Concrete Construction); 4987, Forms (Curb & Sidewalk); 5103, Furnaces (Open Hearth); 6688a2, Inundation Method; 14268, Steel Structural Work; 14315, Stills (Crude Oil); 15876, Transmission Towers & Structures (Electric); 16170, Turntable Equipments; 16383, Valves (Reversing).

BLISS CO., E. W., 53d St. & Bliss Ave., Brooklyn, N. Y.
Insert Facing Pages 1742, 1743

BOGERT & HOPPER, INC., 57 Barclay St., New York...Pages 651, 654, 1190, 2270
CLASSIFICATIONS:—1221-2, Boxes (Drug, Pill, Ointment & Powder); 1244, Boxes (Lock Corner); 5850, Handles (Lather Brush); 17030, Wood Novelties (Turned, Etc.).

BOILER TUBE CO. OF AMERICA, 1228 Park Bldg., Pittsburgh, Pa.....Page 2163
CLASSIFICATION:—16067, Tubes (Boiler).

BOSTON GEAR WORKS, Norfolk Downs, Mass.....Page 1136
CLASSIFICATION:—5369a, Gears.

BOWEN PRODUCTS CO., Auburn, N. Y.....Page 1351
CLASSIFICATION:—7637-8, Lubricators (Oil & Grease Cup).

BRADLEY MFG. CO., A. J., 101 Beekman St., New York.....Page 1448
CLASSIFICATION:—9202, Stencil Cutting Machines.

BRAGDON, LORD & NAGLE CO., New York.....Pages 2099, 2106
CLASSIFICATION:—14993, Textile Machinery, Supplies, Etc.

BRANDYWINE FIBRE PRODUCTS CO., East Wilmington, Del.....Page 1052
CLASSIFICATION:—4683, Fibre Tubes.

BRASS FOUNDRY CO., 700 McAdams St., Peoria, Ill.....Pages 587, 742, 745, 751
CLASSIFICATIONS:—669, Bearings (Bronze Metal); 2147, Castings (Aluminum); 2151, Castings (Brass & Bronze); 2161, Castings (Copper).

BRAUN, PAUL, 1622 Decatur St., Brooklyn, N. Y.....Page 682
CLASSIFICATION:—1537a, Brushes (Dairy).

BRAWLEY, T. R., 270 20th St., Brooklyn, N. Y.....Page 1039
CLASSIFICATION:—4619, Felts for Electrical Purposes.

BREESE BROS. CO., 2349 Reading Rd., Cincinnati, O.
Pages 1003, 1027, 1179, 1345, 1652, 1686, 1907, 1913, 2078
CLASSIFICATIONS:—4327, Engine Shields & Guards; 4470, Exhaust & Blow Piping; 5692, Guards (Gear); 7614, Louvres; 14806, Tanks (Steel); 10603, Pans (Lathe); 10956, Pipe (Riveted Steel); 13406, Shearing; 13471, Sheet Metal Work.

BRIDGEPORT SAFETY EMERY WHEEL CO., 88 Knowlton, Bridgeport, Conn.
Pages 1174, 1407
CLASSIFICATIONS:—5624, Grinders (Floor); 8392a, Grinding Machinery.

BRISTOL CO., Waterbury, Conn.....Pages 596, 1133, 1261, 1794, 2114
CLASSIFICATIONS:—727, Belt Lacing; 5330, Gauges (Steam); 6626, Instruments (Electrical Testing & Measuring); 12043, Pyrometers; 15498, Thermometers.

BRONX DERRICK & TOOL CO., 143rd & Southern Blvd., New York.....Page 945
CLASSIFICATION:—3702, Derricks (Guy).

BROWN BROS., 46-48 Garden, Stamford, Conn.....Pages 745, 1701
CLASSIFICATIONS:—2151, Castings (Brass & Bronze); 11148, Plating Works.

BROWN HOISTNG MACHY. CO., 4403 St. Clair, N. E., Cleveland, O.
Pages 688, 880, 918
CLASSIFICATIONS:—1587, Buckets (Clam Shell); 3093, Conveyors (Belt); 3369, Cranes (Locomotive).

BUCHANAN CO., THOMAS, 114 W. Pearl St. Cincinnati, O.....Page 838
CLASSIFICATION:—2929, Compounds (Case Hardening & Tempering).

BUCKEYE BLOWER CO., Columbus, O.....Page 617
CLASSIFICATION:—935, Blower Mfrs.

BUCKEYE IRON & BRASS WORKS, 322 E. Third, Dayton, O.....Page 2199
CLASSIFICATION:—16386, Valves (Safety).

BUCKEYE PRODUCTS CO., 915-917 West 5th, Cincinnati, O.....Page 1108
CLASSIFICATION:—5100a, Furnaces (Non-Crucible).

BUFFALO FOUNDRY & MACHINE CO., 65 Winchester Ave., Buffalo, N. Y.
Pages 749, 755, 791, 894, 928, 980, 982, 983, 984, 1022, 1024, 1025, 1256, 1289, 1401, 1449, 1576, 1653, 1671, 1725, 1787
CLASSIFICATIONS:—2155, Castings (Chemical Works); 2169, Castings (Grey Iron); 2434, Chemical Apparatus; 2435a, Chemical Plant Equipment; 4113a, Dryers (Chemical); 4131, Dryers (Milk, Vacuum); 4135a, Dryers (Rotary Hot Air); 4136, Dryers (Rotary & Revolving); 4139a, Dryers (Shelf); 4145, Dryers (Vacuum); 4145a, Dryers (Vacuum Drum); 3192, Coppersmiths; 3467, Crystallizers (Sugar); 4441a, Evaporators (Chemical); 4445, Evaporators (Fresh Water Distilling); 4451a, Evaporators (Milk); 4453, Evaporators (Multiple Effects); 4454, Evaporators (Salt Water); 4454b1, Evaporators (Sugar); 6533, Impregnating (Vacuum Process); 6867, Kettles (Cast Iron); 8252, Drying Machinery; 9227b, Sugar Machinery; 9912, Molds (Ingot) 10614, Pans (Vacuum); 10770, Patterns & Models; 11425a, Pots (Caustic); 11960, Pumps (Vacuum).

BUFFALO METER CO., 2921 Main St., Buffalo, N. Y.....Page 1548
CLASSIFICATION:—9727, Meters (Oil).

BUFFALO SCALE CO., INC., 1205 Niagara St., Buffalo, N. Y.....Page 1879
CLASSIFICATION:—13051, Scales (Stock & Wagon).

BUFFALO WIRE WORKS, 453 Terrace, Buffalo, N. Y.....Page 2251
CLASSIFICATIONS:—16916, Wire Cloth.

BULLOCK MFG. CO., T. H., 863-5 E. 140th St., Cleveland, O.....Page 593
CLASSIFICATION:—706, Bellows (Blacksmiths', Molders', Etc.).

BUNTING BRASS & BRONZE CO., 738 Spencer, Toledo, O.....Pages 588, 699
CLASSIFICATIONS:—669, Bearings (Bronze Metal); 1706, Bushings (Brass).

BURDICK ENAMEL SIGN CO., 220 S. State St., Chicago, Ill.....Page 1933
CLASSIFICATION:—13666, Signs (Enameled Iron).

BURKE ELECTRIC CO., Erie, Pa.....Page 1581
CLASSIFICATION:—9968, Motors (Electric).

BURT MFG. CO., 40 Main, Akron, O.....Pages 1027, 1058, 1606, 2209
CLASSIFICATIONS:—4469, Exhaust Heads; 4742, Filters (Oil); 10276, Oiling System (Continuous); 16478, Ventilator Mfrs.

BUTLER, INC., A. G., 158 Chambers St., New York.....Page 1671
CLASSIFICATION:—10767, Pattern Makers' Supplies.

BYERS CO., A. M., 235 Water, Pittsburgh, Pa.....Page 1689
CLASSIFICATION:—10979, Pipe (Wrought Iron, Genuine).

BYERS MACHINE CO., 242 Sycamore St., Ravenna, O.....Page 913
CLASSIFICATION:—3348, Cranes (Auto Truck).

C. H. & E. MFG. CO., 254 Mineral St., Milwaukee, Wis.....Page 1766
CLASSFICATION:—11836, Pumps (Diaphragm).

CABOT, INC., SAMUEL, 141 Milk, Boston, Mass.....Page 1980
CLASSIFICATION:—14095b, Stains (Shingles).

CAHILL, M. F., 710 E. Second St., Boston, Mass.....Page 1045
CLASSIFICATION:—4662, Ferrules (Brass).

CALDWELL & CO., E. R., Bradford, Pa.....Page 1732
CLASSIFICATION:—11503, Presses (Car Wheel).

CAMERON ELECTRICAL CO., 211 Main St., Ansonia, Conn.....Page 837
CLASSIFICATION—2941, Commutators.

CAMERON MACHINE CO., 61 Poplar, Brooklyn, N. Y.....Page 1424
CLASSIFICATIONS:—8737, Paper Slitting & Rewinding Machines; 11818, Pumps (Centrifugal).

CANTON FOUNDRY & MACHINE CO., Canton, O.....Page 919
CLASSIFICATION:—3378, Cranes (Portable).

CARPENTER & CO., GEO. B., 434 N. Wells St., Chicago.....Page 1553
CLASSIFICATION:—9755, Mill & Factory Supplies.

CARROLL CHAIN CO., Columbus, O.....Page 785
CLASSIFICATION:—2376, Chains (Steam Shovel).

CARY MFG. CO., Nassau & Jay Sts., Brooklyn, N. Y.....Pages 648, 1035, 1536
CLASSIFICATIONS:—1186, Box Straps; 4557, Fasteners (Corrugated Steel); 9621, Mats & Matting (Steel).

CASH CO., A. W., Decatur, Ill.....Pages 1165, 1815, 1816, 1820, 2035, 2194, 2198
CLASSIFICATIONS:—5540, Governors (Pump); 12320, Regulators (Damper); 12321, Regulators (Fan Engine); 12350, Regulators (Water); 14423, Strainer (Air); 16369, Valves (Pressure Reducing); 16381, Valves (Relief).

CHAIN BELT CO., 746 Park St., Milwaukee, Wis.....Pages 781, 833, 846, 882
CLASSIFICATIONS:—2871-2, Collars (Horse); 2331, Chains (Gear Link Drive); 2875, Collars (Safety Set); 2991, Concrete Mixers for Street Paving; 3099, Conveyors (Cement).

CHAMPION MACHINE & FORGING CO., 3690 E. 78th St., Cleveland, O..Page 1086
CLASSIFICATION:—4944, Forgings (Drop).

CHANDLER CO., Springfield, Mass.....Page 1590
CLASSIFICATION:—10096, Name Plates.

CHAPMAN MACHINE CO., Terryville, Conn.....Pages 1798, 1889
CLASSIFICATIONS:—12104d, Radio Parts; 13177, Screw Machine Products.

CHASE FOUNDRY & MFG. CO., 2700 S. Parsons Ave., Columbus, O....Page 731
CLASSIFICATION:—2000, Cars (Boiler Room).

CHENEY & CO., 110 W. 40th, New York.....Pages 772, 1076, 2039
CLASSIFICATIONS:—2257, Cements (Magnesite); 4892, Flooring (Sanitary); 14499, Stucco Mfrs.

CHICAGO BELTING CO., 110 N. Green St., Chicago.....Pages 597, 601, 1627
CLASSIFICATIONS:—734, Belting Mfrs.; 752a, Belting Mfrs. (Transmission); 10461, Packing (Leather).

CHICAGO BRIDGE & IRON WORKS, 2105 Old Colony Bldg., Chicago.
Pages 1120, 1674, 2007, 2071, 2076, 2078, 2081, 2083
CLASSIFICATIONS:—5196, Gas Holders; 14235, Steel Plate Work; 14785, Tanks (Oil—Large Field Storage); 14806, Tanks (Steel) (2 Ads.); 14806a, Tanks (Steel, Elevated); 14811a, Tanks (Surge).

CHICAGO COIL SPRING CO., 327 N. Albany Ave., Chicago.....Page 1967
CLASSIFICATION:—14006, Springs (Coil or Spiral).

CHICAGO FLEXIBLE SHAFT CO., 1150 S. Central Ave., Chicago.
Pages 1097, 1098, 1099, 1100, 1102, 1103, 1104, 1105, 1108, 1109, 1111
CLASSIFICATIONS:—5045, Furnaces (Aluminum Melting); 5046, Furnaces (Annealing & Case Hardening); 5052, Furnaces (Billet Heating); 5053, Furnaces (Brass & Copper Melting); 5054, Furnaces (Brazing); 5055, Furnaces (Carbonizing); 5055b, Furnaces (Car Type); 5062, Furnaces (Crucible); 5065, Furnaces (Cyanide Hardening); 5066a, Furnaces (Drop Forging); 5069, Furnaces (Enameling); 5073, Furnaces (Forging, Etc.); 5075, Furnaces (Galvanizing); 5076, Furnaces (Gas); 5081c, Furnaces (Hardening); 5082, Furnaces (Heat Treating); 5084, Furnaces (High Speed Steel); 5099, Furnaces (Muffle & Oven); 5103a, Furnaces (Oven); 5123b, Furnaces (Special).

CHICAGO FUSE MFG. CO., Laflin & 15th, Chicago.....Page 1117
CLASSIFICATION:—5158, Fuses (Miscellaneous, Electric).

CHICAGO MICA CO., 186 Campbell St., Valparaiso, Ind.....Page 1550
CLASSIFICATION:—9745, Mica (Ground & Pulp).

CHICAGO PNEUMATIC TOOL CO., 6 East 44th, New York.....Page 1715
CLASSIFICATION:—11301, Pneumatic Riveters.

CHICAGO PUMP CO., 2324 Wolfram St., Chicago.....Page 1764
CLASSIFICATION:—11828, Pumps (Condensation).

CHICAGO RAWHIDE MFG. CO., 1307 Elston Ave., Chicago
Pages 596, 597, 1135, 1153, 1627, 2223
CLASSIFICATIONS:—727, Belt Lacing; 734, Belting Mfrs.; 5358, Gear Blanks (Rawhide); 5411, Gears & Pinions (Rawhide); 16639, Washers (Leather); 10461, Packing (Leather).

CHRYSTAL CO., CHAS. B., INC., 13 Cliff St., New York
Pages 501, 523, 922, 1621, 1754, 2054
CLASSIFICATIONS:—1, Abrasives; 188, Antimony Oxide; 3414, Crayons (Bowling Alley); 10434, Oxide of Manganese; 11781, Pumice Stone Importers; 14712, Talc Importers.

CINCINNATI GEAR CO., 1825 Reading Rd., Cincinnati, O.....Page 1136
CLASSIFICATION:—5369a, Gears.

CINCINNATI IRON FENCE CO., 3312 Spring Grove Ave., Cincinnati, O..Page 1042
CLASSIFICATIONS:—4637, Fences (Iron & Steel).

CINCINNATI RUBBER MFG. CO., Cincinnati, O..Pages 600, 601, 1247, 1251, 1632
CLASSIFICATIONS:—741, Belting Mfrs. (Conveyor); 752a, Belting Mfrs. (Transmission); 6445a, Hose (Air); 6468, Hose (Steam); 6473, Hose (Water); 10470, Packing (Ring & Spiral); 10471, Packing (Rod & Plunger).

CLARK BROS. BOLT CO., Milldale, Conn.....Page 632
CLASSIFICATION:—1044, Bolts, Nuts & Rivets.

CLEVELAND CASTINGS PATTERN CO., 1930 East 61st, Cleveland, O..Page 1671
CLASSIFICATION:—10770, Patterns & Models.

CLEVELAND CHAIN & MFG. CO., Henry & Broadway, Cleveland, O....Page 787
CLASSIFICATION:—2387, Chains (Welded).

CLEVELAND PNEUMATIC TOOL CO., 3734 E. 78th St., Cleveland, O..Page 1716
CLASSIFICATION:—11317, Pneumatic Tools.

CLEVELAND PUNCH & SHEAR WORKS, 3917 St. Clair Ave., Cleveland, O.
Page 1432
CLASSIFICATION:—8877, Punching Machines (Horizontal).

CLEVELAND STEEL TOOL CO., 662 E. 82nd St., Cleveland, O.....Page 1790
CLASSIFICATION:—11984, Punches (Blacksmiths').

CLEVELAND TWIST DRILL CO., 1 E. 49th St., Cleveland, O....Pages 975, 1807
CLASSIFICATIONS:—4071, Bit Stock Twist Drills; 12195, Reamers (High Speed Steel).

CLEVELAND WIRE CLOTH & MFG. CO., 3574 E. 78th St., Cleveland, O..Page 2252
CLASSIFICATION:—16916, Wire Cloth.

CLEVELAND WROUGHT PROD. CO., 3400 W. 58th St., Cleveland, O.
Pages 611, 1829, 1892
CLASSIFICATIONS:—878, Blanks (Chisel); 12494, Rivet Sets; 13192, Screws (Cap & Set).

CLYDE IRON WORKS SALES CO., Duluth, Minn.....Pages 946, 1235, 1336, 1415
CLASSIFICATIONS:—3702, Derricks (Guy); 6212, Hoists (Steam); 7507, Loaders (Log); 8584, Logging Machinery.

COES WRENCH CO., Worcester, Mass.....Page 2273
CLASSIFICATION:—17055, Wrenches (Automobile).

COES & CO., INC., LORING, Coes Sq., Worcester, Mass.....Page 1297
CLASSIFICATION:—7002, Knives (Machine).

COLONIAL SUPPLY CO., 217 Water St., Pittsburgh, Pa.....Page 1429
CLASSIFICATION:—8846a, Power Transmitting Machinery.

COLSON CO., Elyria, O.....Pages 742, 2161, 2236
CLASSIFICATIONS:—2143, Casters (Stove & Truck); 16049, Trucks (Store, Warehouse & Factory); 16759, Wheels (Ball Bearing).

COLUMBUS BRASS CO., 620 Dublin Ave., Columbus, O.....Page 677
CLASSIFICATION:—1487, Bronze (Architectural & Ornamental).

COLUMBUS McKINNON CHAIN CO., Columbus, O.....Page 778
CLASSIFICATION:—2315, Chains (Conveyor).

COMMERCIAL STEEL CASTINGS CO., Marion, Ind.....Page 765
CLASSIFICATION:—2192, Castings (Steel).

COMMERFORD CO., 102 E. 19th St., New York.....Pages 943, 1590
CLASSIFICATIONS:—3671a, Decalcomania (Transfer); 10097a, Name Plates (Decalcomania).

CONKLIN BRASS CO., T. E., 54-60 Lafayette St., New York.
Pages 663, 677, 678, 698, 1676, 1683, 1835, 1837, 1915, 2165, 2167, 2250, 2256
CLASSIFICATIONS:—1379, Brass (Rod); 1379a, Brass Sheet; 1486, Bronze Angles, Channels, Etc.; 1495, Bronze (Sheet); 1704a, Bus Bars; 10830, Phosphor Bronze; 10930a, Pipe (Brass); 12548, Rods (Brass & Copper); 16095, Tubing (Brass, Bronze & Copper); 16114a, Tubing (Seamless Brass & Copper); 16905, Wire (Brass & Copper); 16921, Wire Cloth (Window Screen); 12574, Rods (Naval Brass); 12574b, Rods (Nickel Silver); 13479, Sheets (Brass & Copper).

CONNELLY BOILER CO., D., 1170 Ivanhoe Rd., Cleveland, O.....Page 665
CLASSIFICATION:—1398-9, Breechings (Boiler).

CONNERY & CO., INC., 4000 N. 2nd St., Philadelphia, Pa.....Pages 1978, 2007
CLASSIFICATIONS:—14091, Stacks (Steel); 14235, Steel Plate Work.

CONSOLIDATED STEEL STRAPPING CO., 2611 N. Western Ave., Chicago, Ill. Page 648
CLASSIFICATION:—1186, Box Straps.

CONTINENTAL FELT CO., 64-66 East 11th St., New York ..... Page 1040
CLASSIFICATION:—4624, Felts (Mechanical).

COOK SPRING CO., Ann Arbor, Mich ..... Page 1963
CLASSIFICATION:—13995, Springs (Automobile).

COOK TIE & POLE CO., 919 Commercial Trust Bldg., Philadelphia, Pa. .. Page 2121
CLASSIFICATION:—15565, Ties, Poles & Posts.

COOLING TOWER CO., INC., 15 John St., New York ..... Pages 1596, 2220
CLASSIFICATIONS:—10180, Nozzles (Spray); 16620, Washers (Air).

CORCORAN, INC., A. J., 745 Jersey Ave., Jersey City, N. J ..... Page 2086
CLASSIFICATION:—14823, Tanks (Wood).

CORED BAR CORPN., 564 Ellicott Square, Buffalo, N. Y ..... Page 578
CLASSIFICATION:—565b, Bars (Cored & Solid).

CORNELL IRON WORKS, 25th St. & 11th Ave., New York ..... Page 965
CLASSIFICATION:—3932a, Steel Fire Doors (Rolling Type).

CRAINE SILO CO., INC., 27 Sheldon St., Norwich, N. Y ..... Page 2029
CLASSIFICATION:—14382b, Storage Pockets (Industrial Plant).

CRESCENT MACHINE CO., 512 Oak St., Leetonia, O ..... Page 1461
CLASSIFICATION:—9482, Wood Surfacing Machines.

CROWELL MFG. CO., 321 Franklin Ave., Brooklyn, N. Y ..... Page 619
CLASSIFICATION:—945, Blowers (Positive Pressure).

CUPPLES ENVELOPE CO., SAMUEL, 628 S. Sixth St., St. Louis, Mo. .. Page 1020
CLASSIFICATION:—4423, Envelopes (Catalog, Merchandise & Tag).

CUTLER-HAMMER MFG. CO., 25-27 Twelfth St., Milwaukee, Wis ..... Page 1581
CLASSIFICATION:—9957, Motor Starters.

CUYAHOGA SPRING CO., 10253 Berea Rd., Cleveland, O. Pages 1186, 1962, 1965, 1967, 1969, 1971, 1973, 1974, 2266
CLASSIFICATIONS:—5814a1, Handles (Battery Box); 16981, Wire Shapes (Special); 13994, Springs (Agricultural Implement); 13997a, Springs (Bicycle); 14006, Springs (Coil or Spiral); 14011a, Springs (Electrical Instrument); 14024, Springs (Machinery); 14024b, Springs (Motorcycle); 14034, Springs (Small); 14039b, Springs (Valve).

DAHLQUIST MFG. CO., 40 W. 3rd., South Boston, Mass ..... Page 894
CLASSIFICATION:—3192, Coppersmiths.

DAHLSTROM METALLIC DOOR CO., 415 Buffalo St., Jamestown, N. Y. .. Page 994
CLASSIFICATION:—4238-9, Elevator Doors & Enclosures.

DAKE ENGINE CO., Grand Haven, Mich ..... Page 1229
CLASSIFICATION:—6183, Hoists (Contractors' Material).

DANIEL, EDW. W., 6525 St. Clair Ave., Cleveland, O ..... Page 2171
CLASSIFICATION:—16162a, Turnbuckles (Wire Rope).

DANIELS, INC., C. R., 115 South, New York ..... Pages 903, 911, 2093
CLASSIFICATIONS:—3251, Cotton Duck & Canvas; 3321, Covers (Canvas); 14885, Tarpaulins, Wagon Covers, Etc.

DAPRATO STATUARY CO., 766 W. Adams St., Chicago ..... Pages 517, 2248
CLASSIFICATIONS:—127a3, Altars; 16885, Windows (Glass Stained).

DARBY & SON, EDW. J., 319 Vine St., Philadelphia, Pa. Pages 1180, 1338, 1918, 2252
CLASSIFICATIONS:—5705, Guards (Wire, Machine); 7520, Lockers (Steel); 16916, Wire Cloth; 13511, Shelving (Steel).

DARCOID CO., THE, 1780 Broadway, New York ..... Page 1633
CLASSIFICATION:—10472, Packing (Sheet).

DART MFG. CO., E. M., 134 Thurbers Ave., Providence, R. I ..... Page 2176
CLASSIFICATION:—16229, Unions.

DAYTON-DOWD CO., 365 Yorke St., Quincy, Ill ..... Page 1760
CLASSIFICATION:—11818, Pumps, (Centrifugal).

DE LAVAL STEAM TURBINE CO., East Trenton, N. J. .. Pages 907, 1150, 1761, 2170
CLASSIFICATIONS:—9296, Couplings (Flexible); 5403, Gears (Transmission or Speed Changing); 11818, Pumps (Centrifugal); 16154, Turbines (Steam).

DELAWARE HARD FIBRE CO., Wilmington, Del ..... Page 1050
CLASSIFICATION:—4680, Fibre (Hard).

DELAWARE SEAMLESS TUBE CO., Auburn, Pa ..... Page 2167
CLASSIFICATION:—16115, Tubing (Seamless Steel).

DE MACEDO & WOOD, 428 Sansom, Philadelphia, Pa ..... Page 789
CLASSIFICATION:—2413, Chamois.

DEMING CO., THE, Salem, O ..... Page 1771
CLASSIFICATION:—11855, Pumps (Fuel Oil).

DEMPSEY FURNACE CO., 61-63 Cornelison Ave., New York. Pages 696, 1097, 1098, 1102, 1104, 1105, 1109, 1110, 1112, 1618
CLASSIFICATIONS:—1673, Burners (Fuel Oil); 5046, Furnaces (Annealing & Case Hardening); 5052, Furnaces (Billet Heating); 5073, Furnaces (Forging, Etc.); 5082, Furnaces (Hardening); 5083, Furnaces (Heating); 5101a, Furnaces (Oil Burning); 5111, Furnaces (Re-Heating); 5132, Furnaces Welding); 10425, Ovens (Core Baking).

DE REMER-BLATCHFORD CO., Railway Exchange, Chicago ..... Page 1[illegible]
CLASSIFICATION:—5063, Furnaces (Cupelling).

DETEX WATCHCLOCK CORP., 4147 Ravenswood Ave., Chicago ..... Page 8[illegible]
CLASSIFICATION:—2739, Clocks (Watchman's).

DETROIT HOIST & MACHINE CO., Detroit, Mich. Pages 514, 913, 1231, 1409, 1713, 2172
CLASSIFICATIONS:—98, Air Motors & Air Hoisting Machinery; 3350, Cranes (Bridge); 6187, Hoists (Electric); 8448-9, Hoisting Machinery (Pneumatic & Electric); 11289, Pneumatic Motors & Geared Pneumatic Hoists; 16171, Turntable Tractors (Electric & Air).

DETROIT STAMPING CO., 3445 West Fort St., Detroit, Mich ..... Page 1984
CLASSIFICATION:—14123, Stamping (Sheet Metal).

DIAGRAPH STENCIL MACHINE CORP., 1615 S. Kingshighway, St. Louis, Mo. Page 1448
CLASSIFICATION:—9202, Stencil Cutting Machines.

DIAMOND CHAIN & MFG. CO., 502 Kentucky Ave., Indianapolis, Ind .... Page 784
CLASSIFICATION:—2364, Chains (Power Transmission).

DIAMOND EXPANSION BOLT CO., 89 West St., New York ..... Page 638
CLASSIFICATION:—1074, Bolts (Expansion).

DIAMOND SAW & STAMPING WORKS, 357 7th St., Buffalo, N. Y .... Page 1872
CLASSIFICATION:—12932, Saw Blades & Frames (Hack).

DIAMOND STATE FIBRE CO., Bridgeport, Pa ..... Page 1050
CLASSIFICATION:—4677a, Fibre (Flexible).

DIEBOLD SAFE & LOCK CO., Canton, O ..... Page 1859
CLASSIFICATION:—12852, Safes (Express Car).

DIENER MFG. CO., GEO. W., 400 Monticello Ave., Chicago ..... Pages 1104, 2139
CLASSIFICATIONS:—5080, Furnaces (Gasoline Blast); 15812, Torches (Gasoline Blow).

DINGS MAGNETIC SEPARATOR CO., 616 Smith St., Milwaukee, Wis. Pages 1521, 1899
CLASSIFICATIONS:—9513a, Magnets (Electro); 13305, Separators (Magnetic).

DITCHETT ESTATE, THOS., Bangor, Me ..... Page 1848
CLASSIFICATION:—12733, Roofing Slate Mfrs.

DOBBIE FOUNDRY & MACHINE CO., Niagara Falls, N. Y. . Pages 912, 947, 2245
CLASSIFICATIONS:—3341, Crabs (Hoisting); 3710, Derricks (Steel); 16853, Winches & Windlasses.

DOBBINS CORE DRILL CO., 81-85 Sixth St., Long Island City, N. Y .... Page 972
CLASSIFICATION:—4023, Drills (Core).

DOBSON, WM., Canastota, N. Y ..... Page 2135
CLASSIFICATION:—15755, Tools (Molders').

DOMINION ASBESTOS & RUBBER CORPN., 1780 Broadway, New York .. Page 662
CLASSIFICATION:—1354, Brake Lining.

DONLEY BROS. CO., 13935 Miles Ave., Cleveland, O ..... Pages 804, 845, 1062
CLASSIFICATIONS:—2563, Clamps (Brick Carriers'); 2983, Concrete Inserts; 4777, Fireplace Furnishings Mfrs.

DOVER BOILER WORKS, 40 Church St., New York ..... Pages 1978, 2055
CLASSIFICATIONS:—14724, Tanks (Acid Storage); 14091, Stacks (Steel).

DRAKE LOCK-NUT CO., 2442 East 75th St., Cleveland, O ..... Page 1337
CLASSIFICATION:—7515, Lock-Nuts & Washers.

DRIVER-HARRIS CO., Harrison, N. J ..... Pages 516, 758, 896, 2261
CLASSIFICATIONS:—122a, Alloys for Electrical Purposes; 2170a, Castings (Heat Resisting); 3199, Cords (Flexible); 16963, Wire Resistance.

DU BOIS IRON WORKS, DuBois, Pa ..... Page 1768
CLASSIFICATION:—11841, Pumps (Electric).

DUDLEY COAL CO., B. C., 1808 Merchants Bank Bldg., Indianapolis, Ind. Page 820
CLASSIFICATION:—2784a, Coal Mines.

DUER SPRING & MFG. CO., Pittsburgh, Pa ..... Page 1962
CLASSIFICATION:—13994, Springs (Agricultural Implement).

DUFF MFG. CO., THE, Pittsburgh, Pa ..... Page 1281
CLASSIFICATION:—6790, Jacks (Ratchet).

DUNBAR BROS., 80 South St., Bristol, Conn ..... Page 1966
CLASSIFICATION:—14005, Springs (Clock, Music Box, Etc.).

DUNER CO., 101 S. Clinton St., Chicago ..... Page 2227
CLASSIFICATION:—16674, Water Closets (Car).

DUNNING & BOSCHERT PRESS CO., INC., 379 W. Water St., Syracuse, N. Y. Pages 1419, 1736, 1774
CLASSIFICATIONS:—8627a, Mixing Machinery; 11565, Presses (Hydraulic); 11874, Pumps (Hydraulic).

DU PONT DE NEMOURS & CO., INC., E. I., Wilmington, Del. Pages 769, 792, 1029, 1323, 1640, 1727
CLASSIFICATIONS:—2227, Celluloid, Fiberloid, Fyralin, Viscoloid & Xylonite; 2437, Chemicals; 4488, Explosives (Blasting); 7366, Leather (Artificial); 10525, Paint Mfrs.; 11454, Powder Mfrs.

DURABILT STEEL LOCKER CO., 560 Arnold Ave., Aurora, Ill ..... Page 1339
CLASSIFICATION:—7520, Lockers (Steel).

EAGLE TANK CO., 2443 N. Crawford Ave., Chicago ..... Page 2086
CLASSIFICATION:—14823, Tanks (Wood).

EASTERN BRIDGE & STRUCTURAL CO., 88 Crescent St., Worcester, Mass. Page 2014
CLASSIFICATION:—14268, Steel Structural Work.

EASTERN TUBE & TOOL CO., INC., 594 Johnson Ave., Brooklyn, N. Y. .. Page 802
CLASSIFICATION:—2530, Chucks (Tapping).

EBY MFG. CO., THE H. H., 40 S. 7th, Philadelphia, Pa ..... Page 1722
CLASSIFICATION:—11397, Posts (Binding).

ECO CLOCK CO., 197 Congress St., New York ..... Page 814
CLASSIFICATION:—2739, Clocks (Watchman's).

ECONOMIC MACHINERY CO., Worcester, Mass ..... Page 1413
CLASSIFICATION:—8511, Labeling Machines.

ECONOMY FUSE & MFG. CO., Chicago ..... Backbone, Page 1117
CLASSIFICATION:—5159a, Fuses (Renewable).

ECONOMY HEATER CO., 110 S. La Salle St., Chicago ..... Page 1220
CLASSIFICATION:—6057, Heaters (Water, Instantaneous).

ECONOMY PUMPING MACHINERY CO., 100-126 N. Curtis St., Chicago. Page 1757
CLASSIFICATION:—11803, Pumps (Automatic).

EDWARDS MFG. CO., 545-565 Eggleston Ave., Cincinnati, O. Pages 693, 1543, 1850, 1920
CLASSIFICATIONS:—1645a, Buildings (Portable); 9665b, Metal Ceilings & Walls; 12743, Roofing Tile (Metallic, Spanish Shapes); 13536, Shingles (Cypress).

ELECTRIC CONTROLLER & MFG. CO., Cleveland, O ..... Page 878
CLASSIFICATION:—3057, Controllers (Electric Motor).

ELECTRIC WHEEL CO., Station D, Quincy, Ill ..... Pages 2157, 2239
CLASSIFICATIONS:—16028, Trucks (Logging & Lumber); 16792, Wheels (Metal).

ELLICOTT MACHINE CORP., 1111 Bush St., Baltimore, Md ..... Page 1398
CLASSIFICATION:—8209-10, Dredging Machinery.

ELMES ENGINEERING WORKS, CHAS. F., Cor. Fulton & Sangamon, Chicago Page 1736
CLASSIFICATION:—11565, Presses (Hydraulic).

ELWELL-PARKER ELECTRIC CO., 4205 St. Clair Ave., Cleveland, O. Pages 919, 2158, 2159
CLASSIFICATIONS:—3377, Cranes (Portable); 16025a, Trucks (Industrial); 16036, Trucks (Platform).

ENAMELED STEEL SIGN CO., 320 E. North Water St., Chicago ..... Page 1934
CLASSIFICATION:—13667, Signs (Enameled Steel).

ENGINEERING PRODUCT CO., Rialto Bldg., San Francisco, Cal ..... Page 732
CLASSIFICATION:—2021, Cars (Dump, Side & Bottom).

ERDLE PERFORATING CO., 171 York ST., Rochester, N. Y ..... Page 1546
CLASSIFICATION:—9696, Metals (Perforated).

ERIE PUMP & ENGINE WORKS, 149 Glenwood Ave., Medina, N. Y .... Page 1755
CLASSIFICATION:—11789, Pumps (Acid).

ESTES & SONS, E. B., 364 5th Ave., New York. Pages 651, 654, 655, 658, 660, 969, 1186, 1187, 1188, 1189, 1191, 1193, 1301, 1634, 1708, 1798, 1836, 1841, 1939, 1943, 1960, 2018, 2137, 2171, 2271, 2272
CLASSIFICATIONS:—1221, Boxes (Drug, Pill, Ointment & Powder); 1244, Boxes (Lock Corner); 1260a, Boxes (Optical Mailing); 1300, Boxes (Turned Wood); 1309, Boxes (Wooden Packing); 3969a, Dowels (Plain, Beaded, Rope, Twist & Furniture); 5812, Handles (Awl); 5820, Handles (Cane, Parasol & Umbrella); 5836, Handles (Enameled Wood); 5850, Handles (Lather Brush); 5866, Handles (Saw); 5883, Handles (Wood); 7076, Knobs (Wooden, Door, Drawer, Etc.); 14295, Sticks (Candy); 15792, Tooth Pick Mfrs.; 16167, Turners (Wood, Automatic & Variety); 17038, Wood Turnings (Automatic); 10483, Paddles (Mustard); 11242, Plugs (Wooden); 12104d, Radio Parts; 12553a, Rods (Dowel); 12643, Rollers (Wood); 13722, Skewers (Wood); 13782, Smalts (Sign Painters'); 13953, Spools (Wooden).

EUCLID CRANE & HOIST CO., Euclid, O .... Pages 914, 921, 1231, 1236, 1410, 1577
CLASSIFICATIONS:—3359, Cranes (Electric Traveling); 3384, Cranes (Traveling); 6187, Hoists (Electric); 6215, Hoists (Traveling); 8481, Ice Handling Machinery; 9928a, Mono-Rail Systems (Trolley & Trolley Track).

EVANS, VICTOR J., 724 Ninth St., Washington, D. C ..... Page 1671
CLASSIFICATION:—10765, Patent Attorneys.

EVERITT CO., 267 Franklin St., Boston, Mass ..... Page 635
CLASSIFICATION:—1060, Bolts (Brass, Bronze & Copper).

EXCELSIOR STEEL BALL CO., P. O. Box 52, Buffalo, N. Y ..... Page 569
CLASSIFICATION:—473-4, Balls (Steel).

EXCELSIOR WRAPPER CO., 224 W. Kinzie St., Chicago ..... Page 1634
CLASSIFICATION:—10491, Pads (Packing).

FABREEKA BELTING CO., 523-529 Eighth Ave., New York ..... Page 603
CLASSIFICATION:—752a, Belting Mfrs. (Transmission).

FAIRBANKS, MORSE & CO., 900 S. Wabash Ave., Chicago ..... Page 1780
CLASSIFICATION—11915, Pumps (Power).

FALK CORPORATION, THE, Milwaukee, Wis ..... Pages 766, 909, 1146
CLASSIFICATION:—2192, Castings (Steel); 3298, Couplings (Flexible); 5384, Gears (Herringbone Cut).

FARRELL FOUNDRY & MACHINE CO., Ansonia, Conn ..... Page 1141
CLASSIFICATION:—5378, Gears (Cut).

FARRELL MFG. CO., Joliet, Ill ..... Page 2084
CLASSIFICATION:—14818, Tanks (Wagon & Truck).

FATE-ROOT-HEATH CO., Plymouth, O ..... Page 1342
CLASSIFICATION:—7590, Locomotives (Gasoline).

FAWCUS MACHINE CO., 2818-2828 Smallman St., Pittsburgh, Pa ..... Page 1147
CLASSIFICATION:—5384, Gears (Herringbone Cut).

FEDERAL ELECTRIC CO., 8702 S. State St., Chicago ..... Page 1933
CLASSIFICATION:—13666, Signs (Enameled Steel).

FEDERAL MACHINE & WELDER CO., Dana Ave., Warren, O ..... Page 1456
CLASSIFICATION:—9401, Welding Machines (Electric).

FERDINAND & CO., L. W., 154 Kneeland St., Boston, Mass ..... Pages 772, 1163
CLASSIFICATIONS:—2255, Cements (Linoleum); 5517a, Glue (Marine).

FERGUSSON JR., ALEX C., 474 Chestnut St., Philadelphia, Pa ..... Page 795
CLASSIFICATION:—2440b, Chemicals (Heavy).

FERNHOLTZ MACH'Y CO., 2053 E. 38th St., Los Angeles, Cal. .. Pages 1383, 1445
CLASSIFICATIONS:—7885, Briquetting Machinery; 9162, Special Machinery.

FIBROC INSULATION CO., Cor. Campbell St., Valparaiso, Ind ..... Page 1264
CLASSIFICATION:—6653, Insulation (Electrical).

FIRST AID EQUIPMENT & SUPPLY CO., 1446 W. Slauson Ave., Los Angeles, Cal. Page 1293
CLASSIFICATION:—6915b, Kits (First Aid).

FISCHER & HAYES ROPE & STEEL CO., 816 W. Erie St., Chicago...Page 2264
CLASSIFICATION:—16973d, Wire Rope Slings.

FISHEL & MARKS CO., Foot of Krakow Ave., Cleveland, O.....Page 1275
CLASSIFICATION:—6711a, Iron & Steel.

FISHER MFG. CO., ADAM, St. Louis, Mo.....Pages 1268, 1671
CLASSIFICATIONS:—6688b, Inventions; 10766a, Patents.

FITZSIMONS CO., THE, Youngstown, O.....Page 2001
CLASSIFICATION:—14208, Steel (Cold Drawn).

FLORY MFG. CO., S., Bangor, Pa.....Page 1230
CLASSIFICATION:—6183, Hoists (Contractors' Material).

FOOTE BROS. GEAR & MACHINE CO., 217 N. Curtis St., Chicago. Pages 1140, 1956
CLASSIFICATION:—5376, Gears (Cement Machinery); 13908a, Speed Reducers.

FOOTE GEAR WORKS, 430 N. Oakley Blvd., Chicago.....Page 1142
CLASSIFICATION:—5378, Gears (Cut).

FORBES & MYERS, 169 Union St., Worcester, Mass.....Page 1172
CLASSIFICATION:—5609, Grinders (Bench).

FOXBORO CO., Foxboro, Mass.....Pages 878, 1131, 1810, 2116
CLASSIFICATIONS:—3071, Controllers (Temperature); 5289, Gauges (Hydraulic Recording); 12234, Recorders (Pressure & Speed); 15513, Thermometers (Recording).

FRANKLIN DIE CASTINGS CORP., Syracuse, N. Y.....Page 752
CLASSIFICATION:—2161, Castings (Die Cast).

FRANKLIN MACHINE CO., Providence, R. I.....Page 1008
CLASSIFICATION:—4359, Engines (Corliss).

FREEMAN MFG. CO., Racine, Wis.....Page 627
CLASSIFICATION:—1027c, Boilers (Internally Fired).

FREIDUS MACHINERY CO., INC., 174 Centre St., New York.....Page 1465
CLASSIFICATION:—9500, Machinery Dealers.

FRICK & LINDSAY CO., Sandusky & Robinson Sts., Pittsburgh, Pa....Page 1561
CLASSIFICATION:—9755, Mill & Factory Supplies.

FULLER-LEHIGH CO., Fullerton, Pa.....Page 1753
CLASSIFICATION:—11767b, Pulverized Coal Burning Equipment.

G. & O. PATTERN WORKS, 754 S. Pierce St., Milwaukee, Wis.....Page 1672
CLASSIFICATION:—10770, Patterns & Models.

GALLAND-HENNING CO., 26th & Montana Sts., Milwaukee, Wis..Pages 1730, 1774
CLASSIFICATIONS:—11482, Presses (Baling, Metal Scrap); 11482a, Presses (Baling, Paper); 11874, Pumps (Hydraulic).

GANSCHOW CO., WM., 1015 W. Washington Blvd., Chicago.....Page 1957
CLASSIFICATION:—13908a, Speed Reducers.

GARDNER MACHINE CO., Thompson St., Beloit, Wis.....Page 1173
CLASSIFICATION:—5619, Grinders (Disc).

GASKET SUPPLY CO., THE, 1927 Ludlow St., Philadelphia, Pa.....Page 1124
CLASSIFICATION:—5211, Gaskets (Metallic).

GEM MFG. CO., Goebel, Near Fulton, N. S., Pittsburgh, Pa.....Page 1605
CLASSIFICATION:—10254, Oilers (Engine & Machine).

GENERAL BOX CO., 500 North Dearborn St., Chicago.....Page 659
CLASSIFICATION:—1309, Boxes (Wire Bound).

GENERAL ELECTRIC CO., Schenectady, N. Y.....Page 989
CLASSIFICATION:—4219, Electric Supplies.

GENERAL FIREPROOFING CO., 2308 Logan Ave., Youngstown, O..Pages 1054, 1063
CLASSIFICATIONS:—4706, Filing Cabinets & Devices; 4779, Fire-Proof Floors & Partitions.

GENERAL PENCIL CO., 73 Fleet St., Jersey City, N. J.....Pages 508, 1673
CLASSIFICATIONS:—79, Advertising Novelties & Specialties; 10789, Pencils (Advertising).

GERDES & CO., 42 Church St., New York Pages 894, 1142, 1144, 1147, 1151, 1152, 1153, 1680, 1682
CLASSIFICATIONS:—3192, Coppersmiths; 5378, Gears (Cut); 5380, Gears (Fibre); 5387, Gears (Machine Molded); 5406, Gears (Worm); 5408, Gears (Worm Gear Reduction); 5411, Gears & Pinions (Rawhide); 10881, Pinions (Cut); 10929, Pipe Bends & Coils.

GEUDER, PAESCHKE & FREY CO., 1314-1790 St. Paul Ave., Milwaukee, Wis. Pages 1729, 1982, 1985, 2066
CLASSIFICATIONS:—11470, Pressed Steel Specialties; 14120, Stamping (Automobile); 14765-6, Tanks (Gasoline); 14123, Stamping (Sheet Metal).

GIBERSON & CO., INC., E. D., 44 Rector St., New York. Pages 586, 2163, 2165, 2167
CLASSIFICATIONS:—668, Bearings (Ball); 16067, Tubes (Boiler); 16092-3, Tubing (Bedstead); 16115, Tubing (Seamless Steel).

GIBSON CO., W. D., 1800 Clybourn Ave., Chicago.....Page 1974
CLASSIFICATION:—14040, Springs (Vanadium Steel).

GLEASON WORKS, 1000 University Ave., Rochester, N. Y.....Page 1138
CLASSIFICATION:—5369c, Gears (Angle).

GLOBE-WERNICKE CO., 25 Carthage, Cincinnati, O.....Page 1055
CLASSIFICATION:—4706, Filing Cabinets & Devices.

GOODYEAR RUBBER CO., 539 Mission St., San Francisco, Cal.....Page 597
CLASSIFICATION:—734, Belting Mfrs.

GOULDS MFG. CO., Seneca Falls, N. Y.....Insert Facing Page 1762

GRAMMES & SONS, INC., L. F., 365 Union St., Allentown, Pa. Pages 1200, 1423, 1590, 1602, 1985, 2258
CLASSIFICATIONS:—5924, Hardware Mfrs. (Cabinet); 8724, Paper Cutting Machines; 10096, Name Plates; 10234, Office Supplies; 16938a, Wire (For Glass Wire Mfrs.); 14123, Stamping (Sheet Metal).

GRANGER, A. D., 17 Park Row, New York.....Pages 632, 914, 1231
CLASSIFICATIONS:—1042, Boilers (Water Tube); 3359, Cranes (Electric Traveling); 6187, Hoists (Electric).

GRANT GEAR WORKS, Pearl & Purchase Sts., Boston, Mass.....Page 1139
CLASSIFICATION:—5373a, Gears (Brass).

GRAVER CORP., 4020 Todd Ave., East Chicago, Ind. Pages 1057, 1059, 2008, 2070, 2079, 2229
CLASSIFICATIONS:—4726, Filtering & Purifying Plants Installed; 4737, Filters (Feed Water); 4749, Filters (Water); 14235, Steel Plate Works; 14784, Tanks (Oil—Cylindrical); 14806, Tanks (Steel); 16689, Water Softening & Purifying Apparatus.

GRAY & PRIOR MACHINE CO., 96 Suffield St., Hartford, Conn.....Page 1287
CLASSIFICATION:—6848, Joints (Universal).

GREER STEEL CO., Dover, O.....Page 2002
CLASSIFICATION:—14213, Steel (Cold Rolled Strip).

GRISCOM-RUSSELL CO., 92 West St., New York. Pages 890, 1022, 1057, 1155, 1213, 1214, 1215, 1217, 1286, 1900, 1901
CLASSIFICATIONS:—3163, Coolers (Oil); 4445, Evaporators (Fresh Water Distilling; 4737, Filters (Feed Water); 5423, Generators (Hot Water); 6022, Heaters (Closed Feed Water); 6028, Heaters (Feed Water); 6030, Heaters (Fuel Oil); 6047, Heaters (Storage); 6834, Joints (Expansion); 13305c, Separators (Oil); 13314, Separators (Steam, Oil & Air).

GRUENDLER PATENT CRUSHER & PULVERIZER CO., 982 N. Main St., St. Louis, Mo.....Page 925
CLASSIFICATION:—3452, Crushers (Coal & Coke).

GUILLOTT METAL GASKET & SUPPLY CO., 24 S. Clinton St., Chicago.
CLASSIFICATION:—5211, Gaskets (Metallic). Page 1124

GWILLIAM CO., THE, 23 Flatbush Ave., Brooklyn, N. Y.....Page 586
CLASSIFICATION:—666, Bearings (Annular).

HADFIELD-PENFIELD STEEL CO., Bucyrus, O.....Pages 1390, 1833, 2143
CLASSIFICATIONS:—8043, Clay Working Machinery; 12532, Road Machines & Graders; 15852b, Tractors (Farm).

HAGEMAN PUBLICITY AGENCY, 800 Olive St., St. Louis, Mo.....Page 507
CLASSIFICATION:—66, Addressing & Mailing.

HALL'S SAFE CO., Spring Grove Ave., Cincinnati, O.....Page 1860
CLASSIFICATION:—12680, Safes & Vaults (Wall).

HAMILTON CASTER & MFG. CO., 1635 Dixie Highway, Hamilton, O....Page 741
CLASSIFICATION:—2141a, Casters (Bed & Furniture).

HAMMETT CO., J. L., Kendall Square, Cambridge, Mass.....Page 610
CLASSIFICATION:—848, Blackboards (Composition).

HAMMOND IRON WORKS, Warren, Pa.....Page 2078
CLASSIFICATION:—14806, Tanks (Steel).

HARNISCHFEGER CORP., Milwaukee, Wis.....Page 915
CLASSIFICATION:—3359, Cranes (Electric Traveling).

HARRIS & CO., ARTHUR, 212-218 Curtis St., Chicago.....Page 1074
CLASSIFICATION:—4877, Floats (Copper).

HARRIS PUMP & SUPPLY CO., 316-320 Second Ave., Pittsburgh, Pa. Pages 1685, 1765
CLASSIFICATIONS:—10943a, Pipe (Iron & Steel—Jobbers); 11835, Pumps (Deep Well).

HARSHAW, FULLER & GOODWIN CO., 545 Hanna Bldg., Cleveland, O...Page 792
CLASSIFICATION:—2437, Chemicals.

HART MFG. CO., Hartford, Conn.....Page 2048
CLASSIFICATION:—14605, Switches (Snap & Push).

HASLETT CHUTE & CONVEYOR CO., Oaks, Pa.....Page 803
CLASSIFICATION:—2543a, Chutes (Spiral).

HASSALL, INC., JOHN, Clay & Oakland Sts., Brooklyn, N. Y.....Page 1589
CLASSIFICATION:—10092, Nails (Wire).

HAUCK MFG. CO., 136 10th St., New York. Pages 696, 697, 698, 1084, 1107, 1110, 1213, 1214, 1216, 1728, 2139
CLASSIFICATIONS:—1673, Burners (Fuel Oil); 1683, Burners (Japanning & Baking); 1688, Burners (Oil); 1694, Burners (Tar); 4933, Forges (Rivet Heating); 5091, Furnaces (Lead Melting); 5114, Furnaces (Rivet Heating); 6016, Heaters (Asphalt, Pitch & Tar); 6023a, Heaters (Concrete); 6037, Heaters (Radio); 11466, Preheaters; 15812, Torches (Gasoline Blow); 15814, Torches (Kerosene Blow); 15816e, Torches (Thawing).

HAUSER-STANDER TANK CO., Cincinnati, O.....Page 2088
CLASSIFICATION:—14823, Tanks (Wood).

HAWKRIDGE BROS. CO., 303 Congress St., Boston, Mass.....Pages 1998, 2016
CLASSIFICATIONS:—14197, Steel (Alloy & Carbon); 14272, Steel (Tool).

HAYS MFG. CO., Erie, Pa.....Page 824
CLASSIFICATION:—2801, Cocks (Bath).

HAYWARD CO., THE, 50 Church St., New York. Pages 688, 689, 690, 946, 947, 978, 1026, 1391, 1398, 1812
CLASSIFICATIONS:—1584b, Buckets (Automatic); 1587, Buckets (Clam Shell); 1588, Buckets (Clam Shell, Electric Motor); 15922, Buckets (Drag Line Scraper); 4096a, Drums (Holding or Counterweight); 1603, Buckets (Orange Peel); 3704a, Derricks (Midget); 3705, Derricks (Misc.); 3714, Derricks (Traveling); 4460, Excavators (Drag Line); 4462a, Excavators for Canal, Irrigation & Ditch Work; 4465, Excavators (Skid); 8060, Coal & Ore Handling Machinery; 8209-10, Dredging Machinery; 12256a, Reels (Automatic).

HEINICKE, INC., H. R., 147 Fourth Ave., New York.....Page 797
CLASSIFICATION:—2456, Chimneys of Perforated Radial Blocks.

HELTZEL STEEL FORM & IRON CO., Warren, O. Pages 608, 665, 1092, 1245, 2008, 2079
CLASSIFICATIONS:—820, Bins (Steel); 1388-9, Breechings (Boiler); 4986a, Forms (Concrete Construction); 6426, Hoppers (Ash, Cement & Coal); 14235, Steel Plate Work; 14806, Tanks (Steel).

HENDERSON DRYING & EQUIPMENT CORP., 284 Holland St., Syracuse, N. Y.
CLASSIFICATION:—6909, Kilns (Dry). Page 1293

HENDRYX CO., ANDREW B., 86 Audubon St., New Haven, Conn. Pages 707, 782, 783, 784, 785, 787, 896, 1991
CLASSIFICATIONS:—1790, Cages (Bird, Animal, Etc.); 2344, Chains (Jack); 2347, Chains (Ladder); 2361, Chains (Plumbers'); 2370, Chains (Safety); 2375, Chains (Sprocket Wheel); 2391c, Chains & Hooks (Tourniquet); 3201, Cords (Picture Wire); 14147, Stands (Bird Cage).

HERWIG CO., 1753-59 Sedgwick St., Chicago.....Page 992
CLASSIFICATION:—4220, Electric & Gas Light Fixture Mfrs.

HESSE ENVELOPE & LITHOGRAPHING CO., 4105-4175 N. Kingshighway, St. Louis, Mo.....Page 1020
CLASSIFICATION:—4422b, Envelopes (All Kinds).

HEWITT & BROS., INC., C. B., 20 Ferry St., New York...Pages 622, 1163, 1660
CLASSIFICATIONS:—973, Boards (Friction); 5517, Glue Mfrs.; 10706, Paper (Roofing, Sheathing & Building).

HILL & GRIFFITH CO., 1248 State St., Cincinnnati, O.....Page 1092
CLASSIFICATION:—4993, Foundry Facings & Supplies.

HILLS, CHAS. W., 1523-36 Monadnock Bldg., Chicago.....Page 2301

HINDE & DAUCH PAPER CO., 253 Water St., Sandusky, O. Pages 650, 652, 656, 740, 1655, 1667
CLASSIFICATIONS:—1213, Boxes (Corrugated Paper); 1227, Boxes (Fibre); 1227a, Boxes (Fibre, Corrugated); 1263, Boxes (Parcel Post); 2128, Cases (Shipping, Fibre); 10648, Paper (Corrugated); 10738, Paper & Pulp Mills.

HINDLEY GEAR CO., 1105 Frankford Ave., Philadelphia, Pa...Pages 1151, 1895
CLASSIFICATIONS:—5406, Gears (Worm); 13219, Screws (Rigging).

HOIST & CRANE ENGINEERING CO., Engineering Bldg., Liberty St., New York.....Pages 920, 2244
CLASSIFICATIONS:—3383, Cranes (Transfer); 16852, Winches—Hand Power (Derrick, Portable & Truck).

HOLLOW BALL CO., INC., Baltimore, Md.....Insert Facing Pages 568-569

HOMESTEAD VALVE MFG. CO., 134 Sixth Ave., Homestead Pa.....Page 2180
CLASSIFICATION:—16255, Valve Mfrs. for Steam, Gas & Water.

HOOVER STEEL BALL CO., Ann Arbor, Mich.....Page 569
CLASSIFICATION—473-4, Balls (Steel).

HOPPEN & SONS, J. E., 78 Main St., Belleville, N. J.....Page 1177
CLASSIFICATION:—5662a, Grindstone Boxes & Frames.

HORNI SIGNAL MFG. CO., 153-155 Frelinghuysen Ave., Newark, N. J...Page 1929
CLASSIFICATION:—13640b, Signals (Automobile Traffic).

HORTON STEEL WORKS, LTD., 118 Janet St., Bridgeburg, Ont. Pages 1120, 1674, 2007, 2071, 2078, 2081, 2083
CLASSIFICATIONS:—14235, Steel Plate Work; 14785, Tanks (Oil—Large Field Storage); 14806, Tanks (Steel); 14806a, Tanks (Steel, Elevated); 14811a, Tanks (Surge); 10813, Penstocks.

HOWARD RADIO CO., 451-469 E. Ohio St., Chicago.....Page 1798
CLASSIFICATION:—12104d, Radio Parts.

HUMPHRY'S SONS, R. A., 1026 Callowhill St., Philadelphia, Pa. Pages 563, 904, 984, 2093, 2097
CLASSIFICATIONS:—399, Bags (Mail); 3251, Cotton Duck & Canvas; 4150c, Duck (Enameled); 14885, Tarpaulins, Wagon Covers, Etc.; 14952, Tents, Awnings & Canopies (Canvas).

HUNT & SON, C. B., McKinley Ave., Salem, O.....Page 908
CLASSIFICATION:—3300, Couplings (Hose).

HUNT CO., INC., C. W., West New Brighton, N. Y.....Pages 883, 1802
CLASSIFICATIONS:—3103, Conveyors (Coal & Ash Handling); 12128, Rails (Steel).

HUNT CO., ROBT. W., 175 W. Jackson Blvd., Chicago.....Page 1261
CLASSIFICATION:—6624, Inspection of Iron, Steel, Concrete & General Construction.

HUNTER PRESSED STEEL CO., 200 Pierce St., Lansdale, Pa....Pages 932, 1350
CLASSIFICATIONS:—3499a, Cups (Oil); 7637-8, Lubricators (Oil & Grease Cup).

HUTHER BROS. SAW MFG. CO., Rochester, N. Y.....Page 1875
CLASSIFICATION:—12975a, Saws (Endless Chain).

HYDRAULIC PRESS MFG. CO., 24 Lincoln Ave., Mt. Gilead, O. Pages 1068, 1564, 1730, 1732, 1737, 1739, 1743, 1744, 1774, 2190
CLASSIFICATIONS:—4813, Fittings (Hydraulic); 16333, Valves (Hydraulic); 9774, Mills (Cider & Cider Presses); 11482, Presses (Baling, Metal Scrap); 11503, Presses (Car Wheel); 11565, Presses (Hydraulic); 11588, Presses (Lard & Tallow); 11649c, Presses (Tire Forcing); 11658, Presses (Veneer); 11874, Pumps (Hydraulic).

HYMAN-MICHAELS CO., 122 S. Michigan Ave., Chicago.....Page 1801
CLASSIFICATION:—12117a, Railroad Supplies.

IDEAL CONCRETE MACHINERY CO., 5000 Spring Grove Ave., Cincinnati, O.
CLASSIFICATION:—8096, Concrete Building Block Machinery. **Page 1393**

ILLINOIS MALLEABLE IRON CO., 1801 Diversey Parkway, Chicago....Page 2187
CLASSIFICATION:—16319, Valves (Gate).

ILLINOIS SMELTING & REFINING CO., 410 N. Peoria St., Chicago..Page 2279
CLASSIFICATION:—17139b, Zinc (Slab).

IMPERIAL BRASS MFG. CO., 1200 W. Harrison St., Chicago
Pages 1070, 1932, 2227, 2234
CLASSIFICATIONS:—4829, Fixtures (Liquid Soap); 16671, Water Closet Mfrs.; 16749, Welding & Cutting Apparatus (Oxy-Acetylene); 13658, Signs (Brass & Bronze).

INDEPENDENT METAL STRAP CO., 413 E. 22nd St., New York....Page 649
CLASSIFICATION:—1186, Box Straps.

INDICATING CALIPERS CORP., 506 E. 19th St., New York.....Pages 709, 1574
CLASSIFICATIONS:—1803, Calipers (Indicating); 9891, Models & Experimental Work.

INDUSTRIAL CHEMICAL CO., 1414 Fifth Ave. Bldg., New York.
Pages 515, 725, 788, 789, 792, 821
CLASSIFICATIONS:—111, Alcohol (Denatured); 1938b, Carbon (Declorizing & Deodorizing); 2409, Chalk (Precipitated); 2419, Charcoal; 2437, Chemicals; 2785, Coal Tar Products.

INDUSTRIAL PLANTS CORP., New York.....Back Cover

INGERSOLL-RAND CO., 11 Broadway, New York
Pages 842, 850, 974, 1015, 1234, 1714, 1761, 1787
CLASSIFICATIONS:—2955, Compressors (Air); 3005; Condensers (Steam); 4057, Drills (Rock, Electric); 4387, Engines (Oil); 5206, Hoists (Portable); 11300, Pneumatic Rivet Sets; 11960, Pumps (Vacuum).

INGRAM-RICHARDSON MFG. CO., Beaver Falls, Pa.....Page 1931
CLASSIFICATION:—13655, Signs (Advertising).

INTERNATIONAL NICKEL CO., 67 Wall St., New York
Insert Facing Pages 1576-1577, also Pages 588, 641, 716, 749, 817, 1022, 1125, 1252, 1290, 1395, 1413, 1635, 1754, 1821, 1837, 1839, 1848, 1890, 1967, 2060, 2069, 2088, 2104, 2158, 2170, 2194, 2201, 2255, 2264
CLASSIFICATIONS:—464d, Balls (Monel Metal); 1091a, Bolts (Monel Metal); 1832a, Cans (Acid, Sprinkler & Service); 2155, Castings (Chemical Works); 2766, Cloths (Filter); 4440d, Evaporator Parts (Monel Metal); 5211a, Gaskets (Monel Metal); 6475a, Hospital, Dental & Surgical Equipment; 6876, Kettles (Paint & Varnish); 6883, Kettles (Steam Jacketed); 8155, Creamery Machinery; 8522, Laundry Machinery; 14743, Tanks (Chemical); 14780a, Tanks (Monel Metal); 14823, Tanks (Wood); 15145, Dyeing Machrinery; 16027, Trucks (Laundry); 16148, Turbine Blading & Caulking Materials; 16367, Valves (Poppet, for Gas Engines); 16404, Valves (Super-Heat); 16920, Wire Cloth (Monel Metal); 16971a, Wire Rope (Monel Metal); 10497a, Pails (Acid); 11781a, Pump Parts; 12381, Restaurant & Cafeteria Equipment; 12577, Rods (Pump); 12598, Rods (Welding); 12729, Roofing (Monel Metal); 13177, Screw Machine Products; 14006, Springs (Coil or Spiral).

ITEN FIBRE CO., 2358 East 67th St., Cleveland, O...Pages 1050, 1051, 1052, 2222
CLASSIFICATIONS:—4680, Fibre (Hard); 4682, Fibre (Sheet); 4683a, Fibre Tubes; 16633, Washers (Fibre).

JACKSON BELT FASTENER CO., ISAAC, 51 Barclay St., New York....Page 595
CLASSIFICATION:—725, Belt Fasteners.

JACKSON BRO., INC., EDW. A., 50 Beekman St., New York...Pages 1062, 1523
CLASSIFICATIONS:—4777, Fire-Place Furnishings Mfrs.; 9547, Mantel, Grate & Tile Dealers.

JAMES MFG. CO., D. O., 1114-1120 W. Monroe St., Chicago....Pages 1143, 1957
CLASSIFICATIONS:—5378, Gears (Cut); 13908a, Speed Reducers.

JEFFREY MFG. CO., THE, 961 N. Fourth St., Columbus, O.
Pages 780, 882, 926, 1336
CLASSIFICATIONS:—2325, Chains (Elevator); 3099, Conveyors (Cement); 3452, Crushers (Coal & Coke); 7512, Loaders & Unloaders (Car).

JENKINS BROS., 80 White, New York.....Page 2180
CLASSIFICATION:—16255, Valve Mfrs. for Steam, Gas & Water.

JOHNSON MFG. CO., 729 W. Washington Blvd., Chicago.....Page 1954
CLASSIFICATION:—13874, Soldering Flux, Paste, Salts & Stick.

JOHNSON SAFETY SAW WORKS, 20 Stillman St., San Francisco, Cal..Page 1871
CLASSIFICATION:—12927, Saw Benches & Tables.

JOHNSON SERVICE CO., 157 Michigan St., Milwaukee, Wis.....Page 1819
CLASSIFICATION:—12335, Regulators (Hot Water).

JONES FOUNDRY & MACHINE CO., W. A., 4442 Roosevelt Road, Chicago.
Pages 818, 1150, 1749
CLASSIFICATIONS:—2777, Clutches (Friction); 5399, Gears (Speed Reduction); 11729, Pulleys (Cast Iron).

JOYCE-CRIDLAND CO., THE, Dayton, O.....Page 1280
CLASSIFICATION:—6775a, Jacks (Geared).

KALES STAMPING CO., 1680 W. Lafayette Blvd., Detroit, Mich.....Page 1986
CLASSIFICATION:—14123, Stampings (Sheet Metal).

KASTENHUBER & LEHRFELD, 24 John St., New York.....Page 1702
CLASSIFICATION:—1115, Platinum.

KELKER BLOWER CO., INC., 2383 Fillmore, Buffalo, N. Y.....Page 1914
CLASSIFICATION:—13471, Sheet Metal Work.

KELLOGG CO., M. W., 90 West St., New York.....Page 1683
CLASSIFICATION:—10929, Pipe Bends & Coils.

KELLY & JONES CO., New York
Pages 1067, 1069, 1683, 1684, 1692, 2176, 2177, 2180, 2187, 2191, 2196, 2200
CLASSIFICATIONS:—4809, Fittings (Flanged); 4819a, Fittings (Sprinkler); 10929, Pipe Bends & Coils; 10941e, Pipe Headers (Welded); 16229, Unions; 16231, Unions (Flange); 16255, Valve Mfrs. for Steam, Gas & Water; 16319, Valves (Gate); 16338, Valves (Jenkins Type); 16479, Valves (Regrinding); 16398a, Valves (Steam, Gas, Water); 10998, Piping (High Pressure).

KENNEDY VALVE MFG. CO., Elmira, N. Y.....Page 2185
CLASSIFICATION:—16298, Valves (Cylinder Operated).

KENNEDY VAN SAUN MFG. & ENGINEERING CORP., 50 Church St., New York.....Pages 927, 1886
CLASSIFICATIONS:—3457, Crushers (Rock & Ore); 13152, Screens (Revolving & Shaking).

KEYSTONE DRILLER CO., Beaver Falls, Pa.....Page 1767
CLASSIFICATION:—11835, Pumps (Deep Well).

KEYSTONE GASKET MFG. CO., 829 N. 4th St., Philadelphia, Pa.....Page 1125
CLASSIFICATION:—5211, Gaskets (Metallic).

KIER FIRE BRICK CO., 2241 Oliver Bldg., Pittsburgh, Pa.....Page 673
CLASSIFICATION:—1425, Brick (Fire).

KILMER & CO., M. D., 6003 Quinby Ave., Cleveland, O.....Page 1457
CLASSIFICATION:—9427, Wire Forming Machinery.

KINGHORN PUMP VALVE CO., 831 East 15th St., Brooklyn, N. Y....Page 2195
CLASSIFICATION:—16370, Valves (Pump).

KINNEAR MFG. CO., 716-766 Field Ave., Columbus, O.....Pages 966, 1928
CLASSIFICATIONS:—3932c, Tin Clad Fire Doors (Sliding and Swinging Type); 13616, Shutters (Steel Rolling).

KIRK-LATTY MFG. CO., 8500 Madison Ave., Cleveland, O..Pages 636, 1597, 1831
CLASSIFICATIONS:—1063, Bolts (Carriage); 10185, Nut Mfrs.; 12515a, Rivets (Iron).

KLEINHANS CO., H., Union Trust Bldg., Pittsburgh, Pa.....Page 877
CLASSIFICATION:—3051a, Contractors' Tools & Supplies.

KLING BROS. ENGINEERING WORKS, 1300 N. Kostner Ave., Chicago..Page 1433
CLASSIFICATION:—8887, Punching & Shearing Machines.

KNICKERBOCKER CASE CO., 255 N. Clinton St., Chicago.....Page 740
CLASSIFICATION:—2126, Cases (Sample).

KOVEN & BRO., INC., L. O., 154 Ogden Ave., Jersey City, N. J.
Pages 628, 716, 721, 1571, 1623, 1687, 1862, 1938, 1978, 2050, 2059, 2066, 2070, 2081
CLASSIFICATIONS:—1033, Boilers (Range, Galvanized Iron); 1833-4-5, Cans Ash & Garbage); 1879, Cans (Waste); 9859, Mixers (Air); 10441a, Oyster Washers; 10966, Pipe (Steel); 12891, Sand Blast Equipment; 13708, Sinks (Kitchen); 14091, Stacks (Steel); 14653a, Tables (Metal); 14735, Tanks (Blow-Off); 14765-6, Tanks (Gasoline); 14784, Tanks (Oil-Cylindrical); 14809, Tanks (Steel, Hot Water Storage).

KROPP FORGE CO., 5301 Roosevelt Road., Chicago.....Page 1087
CLASSIFICATIONS:—4951, Forgings (Iron & Steel).

KUTZTOWN FOUNDRY & MACHINE CO., 1421 Chestnut St., Philadelphia, Pa.
CLASSIFICATION:—4445, Evaporators (Fresh Water Distilling). **Page 1023**

LARKIN & CO., INC., J. K., 253 Broadway, New York.....Pages 522, 640, 741, 1118, 1276, 1586, 1587, 1589, 1684, 1685, 1687, 1690, 1699, 1830, 1838, 1870, 1915, 1916, 1958, 2000, 2011, 2221, 2222, 2225, 2258, 2259
CLASSIFICATIONS:—172a, Angles (Steel); 1091, Bolts (Machine); 2141, Cast Iron Washers; 5176b, Galvanized Material; 6714, Iron & Steel (Corrugated Mfrs.); 10051, Nails (Cement Coated Wire); 10060, Nails (Galvanized); 10092, Nails (Wire); 14201a, Steel Bars; 14249, Steel Sheets (Blue Annealed); 16628, Washers (Cast Iron); 16637, Washers (Iron & Steel); 16654a, Washers (Square); 16938d, Wire (Galvanized); 16951, Wire (Market); 10941, Pipe (Flanged, for High Pressure); 10943a, Pipe (Iron & Steel, Jobbers); 10966, Pipe (Steel); 10979, Pipe (Wrought Iron, Genuine); 10980, Pipe (Wrought Iron, Jobbers); 11100a, Plates (Iron & Steel); 12505, Rivets (Button); 12588, Rods (Steel); 12923, Sash Weights; 13478, Sheets (Blue Annealed); 13481a, Sheets (Galvanized Iron & Steel); 13485d, Sheets (Steel & Iron); 13916c, Spikes (Boat); 13919a, Spikes (Dock); 13922, Spikes (Railroad Track).

LAUGHLIN CO., THE THOMAS, 135 Fore St., Portland, Me.
Pages 521, 778, 1069, 1086, 1902, 2170
CLASSIFICATIONS:—158, Anchors (Boat); 2318, Chains (Crane); 4822a, Fittings (Wire Rope); 4944, Forgings (Drop); 13343, Shackles (Anchor); 16161, Turnbuckles (Pipe).

LAWRENCE MACHINE CO., 42 Market, Lawrence, Mass.....Page 1762
CLASSIFICATION:—111818, Pumps (Centrifugal).

LEAVITT & CO., C. W., 34 Church St., New York.....Pages 518, 523, 1044
CLASSIFICATIONS:—130a, Aluminum; 186, Antimony; 4651, Ferro-Manganese.

LEBRAN BLOWER CO., 511 Master St., Philadelphia, Pa.....Pages 619, 1788
CLASSIFICATIONS:—945, Blowers (Positive Pressure); 11960, Pumps (Vacuum).

LEE & SON CO., THOS., 128-32 W. Second St., Cincinnati, O.....Page 2210
CLASSIFICATION:—16478, Ventilator Mfrs.

LEHIGH STRUCTURAL STEEL CO., Ft. of Allen, Allentown, Pa.
Pages 1118, 2146
CLASSIFICATIONS:—5172, Galvanizing (Hot Process); 15876, Transmission Towers & Structures (Electric).

LESCHEN & SONS ROPE CO., A., Hamilton & Kennerly, St. Louis, Mo..Page 2265
CLASSIFICATION:—16975, Wire Rope & Cables.

LEUPOLD-VOELPEL & CO., 107 E. 70th St., Portland, Ore.....Page 1811
CLASSIFICATION:—12243, Recorders (Water Level).

LeVALLEY-VITAE CARBON BRUSH CO., 70-100 E. 45th St., New York..Page 682
CLASSIFICATION:—1530, Brushes (Carbon).

LEVIS CO., HENRY, 303 Commercial Trust Bldg., Philadelphia, Pa...Page 1802
CLASSIFICATION:—12126a, Rails (New & Relaying).

LEWIS-SHEPARD CO., 119 Walnut St., Watertown Sta., Boston, Mass..Page 2156
CLASSIFICATION:—16017, Trucks (Elevating).

LIDGERWOOD MFG. CO., 96 Liberty, New York.....Page 1230
CLASSIFICATION:—6184, Hoists (Derrick).

LINDE AIR PRODUCTS CO., 30 E. 42nd St., New York.....Page 1622
CLASSIFICATION:—10441, Oxygen.

LINK-BELT CO., 300 W. Pershing Road, Chicago.....Backbone

LINZEE ELECTRIC MOTOR CO., Mansfield O.....Page 1580
CLASSIFICATION:—9961, Motors (Alternating Current).

LITTLE METAL WHEEL CO., J. R., Quincy, Ill.....Page 2235
CLASSIFICATION:—16754a, Wheels (Agricultural Implement).

LITTLEFORD BROS., 444 East Pearl St., Cincinnati, O.....Page 1979
CLASSIFICATION:—14091, Stacks (Steel).

LONG & ALSTATTLER CO., Cincinnati O.....Page 1433
CLASSIFICATION:—8887, Punching & Shearing Machinery.

LOS ANGELES CAN CO., 303 San Fernando Road, Los Angeles, Cal...Page 721
CLASSIFICATION:—1877, Cans (Tin, Fruit).

LOURIE MFG. CO., Springfield, Ill.....Page 1737
CLASSIFICATION:—11565, Presses (Hydraulic).

LOVEJOY TOOL WORKS, 319 W. Ohio St., Chicago.....Page 1281
CLASSIFICATION:—6790, Jacks (Ratchet).

LOWELL WRENCH CO., 54 Commercial St., Worcester, Mass.....Page 2275
CLASSIFICATION:—17082, Wrenches (Lag Screw).

LUDLOW-SAYLOR WIRE CO., 640 S. Newstead Ave., St. Louis, Mo....Page 2253
CLASSIFICATION:—16916, Wire Cloth.

LUEHRS CO., 188 St. Clair St., N. E., Cleveland, O.....Pages 1005, 1447
CLASSIFICATIONS:—4339b, Engineers (Industrial); 9162a, Special Machinery (Designers of).

LUEHRS ELECTRIC HEATING CO., 118 St. Clair Ave. E., Cleveland, O.
Pages 1097, 1223, 1618, 1619
CLASSIFICATIONS:—5046, Furnaces (Annealing & Case Hardening); 6066a, Heating Systems (Oil Heating); 10423, Ovens (Bread); 10426, Ovens (Electric).

LUMEN BEARING CO., 200 Lathrop St., Buffalo, N. Y.....Page 747
CLASSIFICATION:—2151, Castings (Brass & Bronze).

LUNKENHEIMER CO., Beekman & Waverly Sts., Cincinnati, O.....Page 2189
CLASSIFICATION—16323, Valves (Globe & Angle).

LUPTONS SONS CO., DAVID, Allegheny Ave. & Tulip, Philadelphia, Pa.
CLASSIFICATION:—13511, Shelving (Steel). **Page 1918**

McCORMICK & CO., CHAS. R., 215 Market St., San Francisco, Cal....Page 1372
CLASSIFICATION:—7653a, Lumber (Fir).

McCULLOUGH MFG. CO., 2632 Central Ave., Minneapolis, Minn.....Page 1350
CLASSIFICATION:—7634a, Lubricators (Mechanical).

McDOWELL MFG. CO., Millvalle Station, Pittsburgh, Pa.....Page 1986
CLASSIFICATION:—14123 Stampings (Sheet Metal).

McGANN & SONS CO., T. F., 117 Portland St., Boston, Mass.....Page 678
CLASSIFICATION:—1490-1, Bronze Founders (Architectural).

McMAHON & CO., Worcester, Mass.....Page 818
CLASSIFICATION:—2777, Clutches (Friction).

McMANN & TAYLOR CO., 104-106 John St., New York.....Page 1690
CLASSIFICATION:—10980, Pipe (Wrought Iron, Jobbers).

McMYLER-INTERSTATE CO., Cleveland, O.
Pages 688, 689, 690, 883, 913, 914, 916, 919, 920, 946, 1088, 1391, 1402, 1713
CLASSIFICATION:—1587, Buckets (Clam Shell); 1589, Buckets (Coal & Ore); 1603, Buckets (Orange Peel); 3103, Conveyors (Coal & Ash Handling); 3350, Cranes (Bridge); 33555, Cranes (Crawling); 3357, Cranes (Dock); 3361, Cranes (Gantry); 3370, Cranes (Locomotive); 3382a, Cranes (Traction); 3705, Derricks (Misc.); 4951, Forgings (Iron & Steel); 8060, Coal & Ore Handling Machinery; 8280, Excavating Machinery; 11291, Pneumatic Pile Drivers.

McNULTY, JOS. A., 114 Liberty St., New York.....Pages 834, 1621
CLASSIFICATION:—2885, Color Mfrs. & Importers; 10433, Oxide of Iron.

MABBS HYDRAULIC PKG. CO., 421 Manhattan Bldg., Chicago.....Page 1632
CLASSIFICATION:—10467, Packing (Rawhide).

MACLEOD CO., 2227 Bogen St., Cincinnati, O.
Pages 502, 697, 985, 1329, 1437, 1640
CLASSIFICATIONS:—19, Acetylene Generators; 1688, Burners (Oil); 4167a, Dust Arresters; 7441a, Lights (Contractors' Portable); 9000, Sand Blast Machines; 10526b, Paint Sprayers.

MAEHLER CO., PAUL, 2204 W. Lake St., Chicago.....Page 1619
CLASSIFICATION:—10426, Ovens (Electric).

MAGNETIC MFG. CO., 279 23rd Ave., Milwaukee, Wis.....Page 1900
CLASSIFICATION:—Separators (Magnetic).

MAGNOLIA METAL CO., 113 Bank St., New York.....Pages 561, 1954
CLASSIFICATIONS:—366, Babbitt Metal; 13869, Solder (Plumbers', Tinners', etc.).

MALLINCKRODT CHEMICAL WORKS, 2nd & Mallinckrodt, St. Louis, Mo.
CLASSIFICATION:—2437, Chemicals. **Page 793**

MALLORY MFG. CO., Box 504, Flemington, N. J.....Page 1927
CLASSIFICATION:—13613, Shutter Workers.

MANNING, MAXWELL & MOORE, 100 East 42nd, New York....Pages 761, 917
CLASSIFICATIONS:—2179, Castings (Monel Metal); 3359, Cranes (Electric Traveling).

MARBELITE CORP. OF AMERICA, 3248 Long Beach Ave., Los Angeles, Cal.
CLASSIFICATION:—4231, Electrolliers (Concrete). **Page 994**

MARSH STENCIL MACHINE CO., Belleville, Ill.....Page 1448
CLASSIFICATION:—9202, Stencil Cutting Machines.

MARTELL PACKING CO., Elyria, N. Y.....Pages 1628, 1630, 1631, 1632
CLASSIFICATIONS:—10462, Packing (Locomotive Rod); 10463, Packing Mfrs.; 10464, Packing (Metallic); 10474, Packing (Ring & Spiral).

MARYLAND METAL BUILDING CO., McComas & Race, Baltimore, Md.
CLASSIFICATION:—1645a, Buildings (Portable). Page 693

MASLAND DURALEATHER CO., Amber & Westmoreland, Philadelphia, Pa.
CLASSIFICATION:—7356, Leather (Artificial). Page 1323

MASON, FENWICK & LAWRENCE, Washington, D. C.....Page 2301

MASSACHUSETTS MACHINE SHOP, INC., 817 Albany St., Boston, Mass.
Pages 1046, 2221
CLASSIFICATIONS:—4667d, Ferrules (Handle); 16627, Washers (Brass & Copper).

MASTER PAINTERS SUPPLY CO., 158 Front St., New York.....Page 1621
CLASSIFICATION:—10438, Oxide of Zinc.

MATHIESON ALKALI WORKS, INC., 25 W. 43rd St., New York
Pages 605, 768, 793, 800, 904
CLASSIFICATIONS:—791, Benzoate of Soda; 2216, Caustic Soda; 2437, Chemicals; 2489, Chlorine; 3258, Coumarin.

MATTHEWS & CO., JAS. H., 3942 Forbes St., Pittsburgh, Pa.
Pages 790, 1990, 2017
CLASSIFICATIONS:—2432a, Checks (Tool); 14133, Stamps (Steel); 14282, Stencils.

MAURER & SON, HENRY, 420 E. 23rd St., New York...Pages 615, 665, 672, 1064
CLASSIFICATIONS:—911, Blocks (Hollow Building); 1406, Brick (Boiler Arcs & Setting); 1425, Brick (Fire); 4780, Fire-Proof Hollow Tile.

MEDART CO., 3500 DeKalb, St. Louis, Mo.....Pages 1143, 1905
CLASSIFICATIONS:—5378, Gears (Cut); 13366, Shafting (Turned).

MEISSELBACH-CATUCCI MFG. CO., 56 Stanton St., Newark, N. J.
Pages 1143, 1406, 1680
CLASSIFICATIONS:—5378, Gears (Cut); 8362, Gear Hobbing Machines; 10879, Pinion Rod (Hobbed).

MERRICK SCALE MFG. CO., Summer St., Passiac, N. J.....Pages 879, 1877
CLASSIFICATIONS:—3087, Conveyor Weighers; 13012, Scales (Automatic).

MERRILL BROS., 3 Arnold St., Queens Borough, Maspeth, N. Y.....Page 2171
CLASSIFICATION:—16163—Turnbuckles (Wrought Iron).

MESTA MACHINE CO., Box 1124, Pittsburgh, Pa.....Pages 607, 742, 763, 765, 766, 848, 908, 1019, 1089, 1143, 1147, 1258, 1426, 1446
CLASSIFICATIONS:—805, Billets (Forging); 2146, Castings (Air Furnace); 2188, Castings (Rolling Mill & Furnace); 2192, Castings (Steel); 2199, Castings (Vanadium Steel); 2998, Condensers (Barometric); 3296, Couplings (Flexible); 4416, Engines (Unaflow Type); 4951, Forgings (Iron & Steel); 5378, Gears (Cut); 5387, Gears (Machine Molded); 6590b, Ingots (Alloy & Composition); 8774, Pickling Machines; 9162, Special Machinery.

METAL PACKAGE CORP., 110 E. 42nd St., New York.....Page 720
CLASSIFICATION:—1875, Cans (Tin).

MEYER CO., HENRY H., 110 S. Howard St., Baltimore, Md.....Page 876
CLASSIFICATION:—3051a, Contractors' Tools & Supplies.

MICHIGAN LEATHER PACKING CO., 620 St. Antoine St., Detroit, Mich.
CLASSIFICATION:—10461, Packing (Leather). Page 1628

MICHIGAN WIRE CLOTH CO., 2100 Howard St., Detroit, Mich.....Page 2255
CLASSIFICATION:—16817, Wire Cloth (Brass, Bronze & Copper).

MILL & MINE SUPPLY CO., Box 432, Akron, O.....Page 1690
CLASSIFICATION:—10980, Pipe (Wrought Iron, Jobbers).

MILLER & VAN WINKLE, INC., 20 Bridge St., Brooklyn, N. Y.....Page 1967
CLASSIFICATION:—14006, Springs (Coil or Spiral).

MILLS CO., 5322 St. Clair St., Cleveland, O.....Pages 1669, 1918
CLASSIFICATIONS:—10746, Partitions (Steel); 13511, Shelving (Steel).

MILWAUKEE BRUSH MFG. CO., Milwaukee, Wis.....Page 683
CLASSIFICATION:—1541, Brushes (Floor Polishing).

MILWAUKEE LOCOMOTIVE MFG. CO., Milwaukee, Wis.....Page 1343
CLASSIFICATION:—7590, Locomotives (Gasoline).

MILWAUKEE STAMPING CO., 306 Pullen Ave., West Allis, Wis..Pages 1197, 1986
CLASSIFICATIONS:—5918, Hardware (Builders' Rustless); 14123, Stampings (Sheet Metal).

MOESCHL-EDWARDS MFG. CO., Box 564, Dept. H, Cincinnati, O.....Page 965
CLASSIFICATION:—3929a, Doors (Fireproof, Kalameined).

MOHEGAN TUBE CO., 304-400 Scott Ave., Brooklyn, N. Y.....Page 2168
CLASSIFICATION:—16119, Tubing (Steel).

MORRILL, INC., CHAS., 94 Lafayette St., New York.....Pages 1748, 1873, 1947
CLASSIFICATIONS:—11715, Pullers (Nail); 12941, Saw Sets; 13806, Soap Dispensers (Liquid).

MORSE CHAIN CO., Ithaca, N. Y.....Pages 600, 785, 1429, 1976
CLASSIFICATIONS:—740, Belting Mfrs. (Chain Link); 2373a, Chains (Silent); 8846a, Power Transmitting Machinery; 14056a, Sprockets (Silent Chain).

MORSE CO., FRANK W., 289 Congress St., Boston, Mass.....Pages 968, 1306
CLASSIFICATION:—3965-6-7, Dowels; 7140, Lamp Guards.

MOSSO LABORATORIES, INC., C. A., 214 S. Leavitt St., Chicago.....Page 524
CLASSIFICATION:—192a, Antiseptics.

MOTOR WHEEL CORP., 701-735 E. Saginaw, Lansing, Mich.....Page 2237
CLASSIFICATION:—16755, Wheels (Automobile).

MOUNT VERNON DIE CASTING CORP., Mt. Vernon, N. Y.....Page 753
CLASSIFICATION:—2162, Castings (Die Cast).

MUNDY HOISTING ENGINE CO., J. S., 735 Frelinghuysen Ave., Newark N. J.
CLASSIFICATION:—6195, Hoists (Gasoline). Page 1233

MYER-MORAN CO., 522-24 East St., Baltimore, Md.....Page 1446
CLASSIFICATION:—9162, Special Machinery.

MYERS & BRO. CO., F. E., Ashland, O.....Page 1781
CLASSIFICATION:—11915a, Pumps (Power Spray).

NASON MFG. CO., 71 Fulton St., New York.....Pages 1037, 1215, 2150, 2182
CLASSIFICATIONS:—4599, Feeders (Boiler); 6035, Heaters (Glue); 15908, Traps (Steam); 16274, Valves (Balance).

NATIONAL DECALCOMANIA CORP., 252 N. 60th, Philadelphia, Pa.....Page 943
CLASSIFICATION:—3671a, Decalcomania (Transfer).

NATIONAL FIRE PROOFING CO., 150 Fulton Bldg., Pittsburgh, Pa....Page 2124
CLASSIFICATION—15588, Tile (Hollow Building).

NATIONAL HOISTING ENGINE CO., 325 Manor Ave., Harrison, N. J...Page 1235
CLASSIFICATION:—6212, Hoists (Steam).

NATIONAL PAPER PRODUCTS CO., 528 Battery, San Francisco, Cal.
Pages 1661, 1947, 2140
CLASSIFICATIONS:—10724, Paper (Toilet); 15829, Towels (Paper); 13811, Soap (Liquid).

NATIONAL SHEET METAL ROOFING CO., Jersey City, N. J.....Page 1849
CLASSIFICATION:—12742, Roofing Tile (Metallic).

NATIONAL SMELTING CO., 6800 Grant Ave., Cleveland, O.....Page 518
CLASSIFICATION:—130a, Aluminum.

NATIONAL TANK & PIPE CO., 170 Columbia Blvd., Portland, Ore.....Page 2088
CLASSIFICATION:—14823, Tanks (Wood).

NATIONAL TOOL CO., Cleveland, O.....Page 937
CLASSIFICATION:—3573, Cutters (Milling).

NATIONAL TRANSIT PUMP & MACH. CO., Oil City, Pa.....Page 1777
CLASSIFICATION:—11894, Pumps (Oil).

NATIONAL VULCANIZED FIBRE CO., Beach & Maryland Aves., Wilmington, Del.
CLASSIFICATION:—4682, Fibre (Sheet). Page 1051

NATIONAL WELDING EQUIPMENT CO., 223 Main St., San Francisco, Cal.
Page 2234
CLASSIFICATION:—16749, Welding & Cutting Apparatus (Oxy-Acetylene).

NATURAL SLATE BLACKBOARD CO., Pen Argyle, Pa.....Page 610
CLASSIFICATION:—850, Blackboards (Slate).

NAZARETH FOUNDRY & MACHINE CO., Nazareth, Pa.....Page 2008
CLASSIFICATION:—14235, Steel Plate Work.

NELKE-SIGNS-NEW YORK, L. D., 1607 Everett Bldg., New York.
Pages 1931, 1932, 1933, 1934, 1935, 1936
CLASSIFICATIONS:—13655, Signs (Advertising); 13664, Signs (Display Stand); 13666, Signs (Enameled Iron); 13667, Signs (Enameled Steel); 13670, Signs (Fibre); 13670a, Signs (Framed Metal Bulletin); 13673, Signs (Litho. Metal); 13674, Signs (Metal, Etc.); 13674a, Signs (Metal, Paint Printed); 13683, Signs (Wood).

NEW DEPARTURE CO., Bristol, Conn.....Page 587
CLASSIFICATION:—668, Bearings (Ball).

NEW HAVEN SCREW CO., 199 Foster, New Haven, Conn.....Pages 700, 909, 1890
CLASSIFICATIONS:—1717, Bushings (Pipe); 3308, Couplings (Pipe); 13177, Screw Machine Products.

NEW JERSEY TERRA COTTA CO., Singer Bldg., New York.....Page 2098
CLASSIFICATION:—14964-5-6, Terra Cotta (Architectural, Enameled, Glazed, Polychrome & Faience).

NEW JERSEY WIRE CLOTH CO., Trenton, N. J.....Page 2254
CLASSIFICATION:—16916, Wire Cloth.

NEW JERSEY ZINC CO., 158 Front, New York.
Pages 851, 1335, 1546, 1621, 1639, 1679, 1850, 2280
CLASSIFICATIONS:—3012, Conductor Pipe & Eaves Trough Mfrs.; 7498, Lithopone; 10438, Oxide of Zinc; 17139b, Zinc (Slab); 17140b, Zinc Strips; 9690a, Metals (Die Casting); 10525, Paint Mfrs.; 10867, Pigments; 12752a, Roofing (Zinc).

NEW YORK ENAMELED STEEL SIGN CO., 39 East 17th, New York..Page 1934
CLASSIFICATION:—13667, Signs (Enameled Steel).

NEWCOMB SPRING CORP., 237 Fortieth St., Brooklyn, N. Y.....Page 1975
CLASSIFICATION—14043, Springs (Wire).

NEWMAN CLOCK CO., 428 Broadway, New York.....Page 815
CLASSIFICATION:—2739, Clocks (Watchman's).

NEWTON MFG. CO., Plainville, Conn.....Page 1890
CLASSIFICATION:—13177, Screw Machine Products.

NIAGARA SMELTING CORP., Niagara Falls, N. Y.....Pages 725, 768, 799
CLASSIFICATIONS:—1942, Carbon Tetrachloride; 2216, Caustic Soda; 2485, Chloride of Sulphur.

NICHOLS & BRO., GEO. P., 2139 Fulton St., Chicago.....Pages 2051, 2172
CLASSIFICATIONS:—14670, Tables (Transfer, Electric); 16171, Turntable Tractors (Electric & Air).

NILES-BEMENT-POND CO., 111 Broadway, New York.....Page 1137
CLASSIFICATON:—5369a, Gears.

NILES STEEL PRODUCTS CO., Niles, O.....Pages 514, 557, 1455, 1986
CLASSIFICATIONS:—93, Agricultural Implement Parts & Shapes; 228, Automobile Parts & Fittings; 9391a, Washing Machines (Clothes); 14123, Stampings (Sheet Metal).

NOBACH PATTERN WORKS, W. J., 411-413 S. Clinton St., Chicago....Page 1672
CLASSIFICATION:—1770, Patterns & Models.

NORTHERN BLOWER CO., West 65th St. & Denison Ave., Cleveland, O.Page 618
CLASSIFICATION:—939a, Blowers (Fan).

NORTMANN-DUFFKE CO., 1233 27th Ave., Milwaukee, Wis.....Page 1546
CLASSIFICATION:—9696, Metals (Perforated).

NURNBERG THERMOMETER CO., 397 Bridge St., Brooklyn, N. Y.....Page 2115
CLASSIFICATION:—15502, Thermometers (Chemical).

OHIO ELECTRIC & CONTROLLER CO., 5900 Maurice Ave., Cleveland, O.
Pages 1521, 1583
CLASSIFICATIONS:—9514, Magnets (Lifting); 9977, Motors (Induction).

OHIO LOCOMOTIVE CRANE CO., Frederick St., Bucyrus, O.....Page 918
CLASSIFICATION:—3370, Cranes (Locomotive).

OHIO MFG. CO., P. O. Box 146, Painesville, O.....Page 574
CLASSIFICATION:—534, Barrels (Sheet Steel Shop).

OHIO STEEL STAMP CO., 211 High St., Cleveland, O.....Page 1990
CLASSIFICATION:—14133, Stamps (Steel).

OIL & WASTE SAVING MACHINE CO., Real Estate Trust Bldg., Philadelphia, Pa.....Pages 1058, 1421, 2140
CLASSIFICATIONS:—4742, Filters (Oil); 8674, Oil & Waste Saving Machines; 15828a, Towels (Machinery).

OSBORNE & CO., C. S., Box 183, Harrison, N. J.....Pages 1185, 1789, 1790
CLASSIFICATIONS:—5804a, Hammers (Upholsterers' & Trimmers'); 11981, Punches (Belt & Saddlers' Drive); 11982, Punches (Belt & Saddlers', Revolving, Etc.).

OVEN EQUIPMENT & MFG. CO., New Haven, Conn.....Page 1620
CLASSIFICATION:—10429, Ovens (Japanning or Baking).

OXWELD ACETYLENE CO., 30 E. 42nd, New York.....Page 2235
CLASSIFICATION:—16749, Welding & Cutting Apparatus (Oxy-Acetylene).

PAIGE & JONES CHEMICAL CO., 80 Marble St., Hammond, Ind.
Pages 625, 1057, 1059, 2229
CLASSIFICATIONS:—1004-5, Boiler Compounds; 4737, Filters (Feed Water); 4749, Filters (Water); 16688, Water Purifying & Filtering Apparatus; 16689, Water Softening & Purifying Apparatus.

PARKS & WOOLSON MACHINE CO., Springfield, Vt..Pages 1453, 2099, 2108, 2113
CLASSIFICATIONS:—9345, Trademarking Machinery (Cloth); 14994 Textile Machinery, Supplies, Etc.; 15295, Napping Machines; 15471, Winders.

PARTRIDGE, E. O., 2039 W. Lake St., Chicago.....Page 1173
CLASSIFICATION:—5623, Grinders (Emery, Tool).

PATTERSON-KELLEY CO., 804 Architects Bldg., New York.....Page 1219
CLASSIFICATION:—6054, Heaters (Water, Bath or Tank).

PEASE CO., C. F., 820 N. Franklin St., Chicago.....Page 620
CLASSIFICATION:—962, Blue Printing Machines.

PECKS SPRING CO., Plainville, Conn.....Page 1968
CLASSIFICATION:—14006, Springs (Coil or Spiral).

PEERLESS MACHINE CO., Racine, Wis.....Page 1416
CLASSIFICATION:—8583, Metal Cutting-Off Machines.

PEERLESS RANGE & BOILER CORP., Chicago.....Page 1220
CLASSIFICATION:—6057, Heaters (Water, Instantaneous).

PELS & CO., HENRY, 88 West St., New York.....Page 1909
CLASSIFICATION:—13428, Shears (Hand Power).

PENNSYLVANIA FURNACE & IRON CO., Warren, Pa.
Pages 1180, 1688, 2008, 2066
CLASSIFICATIONS:—5708, Guards & Safety Devices (Machinery); 10974, Pipe (Welded Wrought Steel); 14235, Steel Plate Work; 14765, Tanks (Gasoline).

PENNSYLVANIA INSTRUMENT CO., 616-618 Chestnut St., Philadelphia, Pa.
CLASSIFICATION:—4333, Engineering & Surveying Instruments. Page 1004

PENNSYLVANIA PUMP & COMPRESSOR CO., Easton, Pa.....Pages 842, 1762
CLASSIFICATIONS:—2955, Compressors (Air); 11818, Pumps (Centrifugal).

PENNSYLVANIA WIRE GLASS CO., Pennsylvania Bldg., Philadelphia, Pa.
CLASSIFICATION:—5482, Glass (Wire Glass). Page 1160

PEREY MFG. CO., INC., 101 Park Ave., New York.....Page 2172
CLASSIFICATION:—16169, Turnstiles.

PERFECTION COOLER CO., Michigan City, Ind.....Page 889
CLASSIFICATION:—3152a, Coolers (Beverage).

PETERSON, F. W., 113 Greene, New York.....Page 1193
CLASSIFICATION:—5883, Handles (Wood).

PETROLEUM IRON WORKS OF OHIO, Sharon, Pa.....Pages 574, 2072
CLASSIFICATIONS:—536, Barrels (Steel Shipping); 14785a, Tanks (Oil Refining).

PHILADELPHIA GEAR WORKS, 1123 Vine St., Philadelphia, Pa.....Page 1148
CLASSIFICATION:—5390, Gears (Mill).

PHILIPP BROS., INC., 233 Broadway, New York.....Pages 893, 1622
CLASSIFICATIONS:—3185, Copper Sulphate; 10438, Oxide of Zinc.

PIONEER WIRE WORKS, 133-135 Federal St., Camden, N. J.....Page 2258
CLASSIFICATION:—16941, Wire Goods (Bright).

PITTSBURGH-DES MOINES STEEL CO., 804 Curry Bldg., Pittsburgh, Pa.
Pages 2008, 2015, 2080
CLASSIFICATIONS:—14235, Steel Plate Work; 14268, Steel Structural Work; 14806, Tanks (Steel).

PITTSBURGH GEAR & MACHINE CO., 2600 Smallman, Pittsburgh, Pa.
CLASSIFICATION:—5406, Gears (Worm). Page 1152

PITTSBURGH ROLLS CORP., 41st & Willow, Pittsburgh, Pa.....Page 1346
CLASSIFICATION:—12697b, Rolls (Special Alloy).

PLATT IRON WORKS, Dayton, O.....Page 1780
CLASSIFICATION:—11915, Pumps (Power).

PLUMB, D. S., 73-77 Norfolk St., Newark, N. J.....Page 1585
CLASSIFICATION:—10023, Movements (Clock, Gauge, Meter, Etc.).

PLUNKETT MACHINE CO., J. E., 213-15 N. Ada St., Chicago.....Page 2213
CLASSIFICATION:—16528a, Vises (Machine Tool).

POOLE ENGINEERING & MACHINE CO., Woodberry, Baltimore, Md...Page 1145
CLASSIFICATION:—5383, Gears (Helical Cut).

POPE, WM. A., 26 N. Jefferson St., Chicago.....Page 1692
CLASSIFICATION:—10998, Piping (High Pressure).

PORTER-CABLE MACHINE CO., 708 N. Salina St., Syracuse, N. Y...Page 1439
CLASSIFICATION:—9006, Sanding Machinery.

PORTLAND MONSON SLATE CO., Portland, Me.....Page 1941
CLASSIFICATION:—13741, Slate for Electrical Purposes.

PORTSMOUTH REFRACTORIES CO., Portsmouth, O.....Page 673
CLASSIFICATION:—1425, Brick (Fire).

POWELL CO., WM., 2525 Spring Grove Ave., Cincinnati, O.....Page 2191
CLASSIFICATION:—16333, Valves (Hydraulic).

POWER SPECIALTY CO., 111 Broadway, New York.....Page 2041
CLASSIFICATION:—14533, Superheaters (Steam).

POWERS REGULATOR CO., 2773 Greenview Ave., Chicago.
Pages 878, 1817, 2115, 2117, 2150, 2194, 2196, 2199
CLASSIFICATIONS:—3071, Controllers (Temperature); 15498, Thermometers; 15505, Thermometers (Dial); 15521, Thermostats; 15908, Traps (Steam); 16369b, Valves (Pressure & Temperature & Humidity Control); 16380, Valves (Regulating); 16390, Valves (Shower Bath); 12334, Regulators (Heat).

PRATT & WHITNEY CO., Hartford, Conn.....Pages 937, 1807, 2091
CLASSIFICATIONS:—357, Cutters (Milling); 12195, Reamers (Hand); 14852, Taps (Die).

PREMIER MACHINERY CO., San Francisco, Cal.....Page 1387
CLASSIFICATION:—7960, Canning Machinery.

PRESSED STEEL TANK CO., West Allis, Milwaukee, Wis.
Pages 573, 574, 940, 978, 1906, 1917, 2056, 2073
CLASSIFICATIONS:—532, Barrels (Removable Head); 534, Barrels (Sheet Steel Shop); 3625a, Cylinders (Acetylene); 4104, Drums (Steel); 13382a, Shapes (Seamless Steel); 13492a, Shells (Boiler); 14727, Tanks (Air Compressor); 14789, Tanks (Pressure); 13502, Shells (Seamless Steel).

PREST-O-LITE CO., INC., 30 E. 42nd St., New York.....Page 502
CLASSIFICATION:—18a, Acetylene.

PRIER CO., WALTER H., 230 E. Ohio St., Chicago.....Front Cover, Page 2197
CLASSIFICATION:—16377, Valves (Radiator Inlet).

PROTEXOL CORP., 41 Barclay, New York.....Page 2270
CLASSIFICATION:—17031, Wood Preservatives.

PULASKI FOUNDRY & EQUIPMENT CO., 2424 Euclid Ave., Cleveland, O.
CLASSIFICATION:—2155, Castings (Chemical Works). Page 750

PYOTT FOUNDRY CO., 324 N. Sangamon St., Chicago.....Page 1750
CLASSIFICATION:—11729, Pulleys (Cast Iron).

QUADRIGA MFG. CO., 213-221 W. Grand Ave., Chicago.....Page 2225
CLASSIFICATION:—16653, Washers (Special Sizes, Any Material).

QUAKER CITY RUBBER CO., 672 Market, Philadelphia, Pa.....Page 1855
CLASSIFICATION:—12785, Rubber Goods (Mechanical).

QUICKWORK CO., St. Marys, O.....Page 1911
CLASSIFICATION:—13440, Shears (Rotary).

QUIGLEY FURNACE SPECIALTY CO., 26 Cortlandt St., New York.
Pages 672, 1060, 1263, 2123
CLASSIFICATIONS:—1425, Brick (Fire); 4758, Fire Clay; 6647a, Insulating Brick; 15583a, Tile (Fire Clay).

RAYMOND MFG. CO., Corry, Pa.....Page 1971
CLASSIFICATIONS, 14024, Springs (Machinery).

READING CHAIN & BLOCK CORP., Reading, Pa.....Page 1231
CLASSIFICATION:—6187, Hoists (Electric).

READY MADE SIGN CO., 45 Union Square, New York...Pages 1932, 1935, 1936
CLASSIFICATIONS:—13658, Signs (Brass & Bronze); 13674b, Signs (Municipal); 13678, Signs (Safety First); 13681, Signs (Warning).

REDIN, EKSTROM & CO., 1439 Railroad Ave., Rockford, Ill.....Page 1446
CLASSIFICATION:—9162, Special Machinery.

REED & SKEPPSTROM, 617-633 Jackson Blvd., Chicago.....Page 1990
CLASSIFICATION:—14133, Stamps (Steel).

REEVES BROS. CO., Alliance, O.....Pages 1293, 2073
CLASSIFICATION:—6913, Kilns (Rotary).

REINHARD ELECTRIC MOTOR CO., 2517 East 79th St., Cleveland, O...Page 1580
CLASSIFICATION:—9961, Motors (Alternating Current).

RELIANCE ELECTRIC & ENGINEERING CO., 1064 Ivanhoe Road, Cleveland, O.
Pages 1580, 1582, 1583
CLASSIFICATIONS:—9958-9, Motors (Adjustable Speed); 9968, Motors (Electric); 9977, Motors (Induction).

REPUBLIC CREOSOTING CO., Merchants Bank Bldg., Indianapolis, Ind.Page 1077
CLASSIFICATION:—4893, Flooring (Wood Block).

REPUBLIC PIPE & IRON CORP., 23 Varick Ave., Brooklyn, N. Y.....Page 910
CLASSIFICATION:—3308, Couplings (Pipe).

REVOLVATOR CO., 395 Garfield Ave., Jersey City, N. J...Pages 999, 1795, 2157
CLASSIFICATIONS:—4284, Elevators (Portable); 12054a, Racks (Barrel); 16017, Trucks (Elevating).

RICHARDS SHOOK CORP., 23 W. 44th St., New York.....Page 659
CLASSIFICATION:—1309a, Boxes (Wood).

RICHARDS-WILCOX MFG. CO., Aurora, Ill.....Page 964
CLASSIFICATION:—3930, Metal Clad Panelled Fire Doors (Swinging Type).

RIDDLE CHEMICAL CO., INC., 35 S. Dearborn St., Chicago.....Page 793
CLASSIFICATION:—2437, Chemicals.

ROBINS CONVEYING BELT CO., 15 Park Row, New York.....Page 881
CLASSIFICATION:—3095, Conveyors (Brick & Clay).

ROBINSON TOOL WORKS, INC., Waterbury, Conn.....Page 1403
CLASSIFICATION:—8301, Filing Machines.

ROCKWELL CO., W. S., 50 Church St., New York.....Page 1099
CLASSIFICATION:—5055, Furnaces (Carbonizing).

ROEBLING & SONS CO., JOHN E., Trenton, N. J.....Page 2262
CLASSIFICATION:—16966a, Wire Rope (Cast Steel).

ROESSLER & HASSLACHER CHEMICAL CO., 709 6th Ave., New York.Page 793
CLASSIFICATION:—2437, Chemicals.

ROME WIRE CO., Rome, N. Y.....Page 2250
CLASSIFICATION:—16905, Wire (Brass & Copper).

RONAN SAW & TOOL WORKS, 349 Davey St., Buffalo, N. Y.....Page 1871
CLASSIFICATION:—12931, Saw Blades (Hack, for Metal).

ROOVERS BROS., 100 Schermerhorn St., Brooklyn, N. Y..... .....Page 1672
CLASSIFICATION:—1770, Patterns & Models.

ROSS-GOULD CO., 390 N. 10th St., St. Louis, Mo.....Page 1335
CLASSIFICATION:—7496a, Lists (Mailing).

ROUND & SON, D., Henry & Broadway, Cleveland, O.....Pages 1234, 2245
CLASSIFICATIONS:—6198, Hoists (Hand); 16853, Winches & Windlasses.

RUBEROID CO., THE, 95 Madison Ave., New York.
Pages 773, 774, 838, 839, 840, 1038, 1639, 1643, 1645, 1646, 1648, 1649, 1650, 1657, 1659, 1660, 1846, 1847, 1919, 2090, 2229
CLASSIFICATIONS:—2264, Cements (Roofing); 2267b, Cements (Waterproofing); 2927, Compounds (Cable); 2940, Compounds (Insulating); 2947, Compounds (Sewer Joint); 4616, Felts (Asphalt); 10525, Paint Mfrs.; 10542, Paints (Damp Resisting); 10548, Paints for Coating & Preserving Iron & Steel); 10553, Paints (Insulating); 10563c, Paints (Preserving); 10564, Paints (Roofing); 10566, Paints (Rust Proof); 10570a, Paints (Stop-Leak); 10675, Paper (Insulating); 10705, Paper (Roofing, Saturated); 10706, Paper (Roofing, Sheathing & Building); 12707a, Roof Coating; 12716, Roofing (Asphalt, Ready); 12720, Roofing (Car); 13531, Shingles (Asphalt); 14831, Tape (Insulating); 16687, Waterproofing Materials.

RUMSEY PUMP CO., Seneca Falls, N. Y.....Page 1759
CLASSIFICATION—11809, Pumps (Bilge).

RYERSON & SON, INC., JOS. T., Chicago.
Pages 625, 1315, 1400, 1416, 1427, 1874, 1916, 2012, 2017
CLASSIFICATIONS—1003, Boiler Brace Mfrs.; 7264, Lathes (Engine); 8232, Drilling Machines (Radial); 8595, Milling Machines; 8814, Planing Machines (Metal Working); 12963, Saws (Circular, for Metal); 14263, Steel (Soft); 14272, Steel (Tool); 13485d, Sheets (Steel & Iron).

ST. PAUL FOUNDRY CO., St. Paul, Minn.....Page 2014
CLASSIFICATION—14268, Steel Structural Work.

SALEM TOOL CO., Salem, O.....Page 2135
CLASSIFICATION—15753, Tools (Mining).

SALOMON & BRO., L. A., 216 Pearl St., New York.....Page 794
CLASSIFICATION—2437, Chemicals.

SAMUEL & CO., FRANK, Harrison Bldg., Philadelphia, Pa.....Page 1044
CLASSIFICATION—4651, Ferro Manganese.

SASGEN DERRICK CO., 3000 Grand Ave., Chicago.....Page 945
CLASSIFICATION—3696, Derrick Irons & Fittings.

SAUERMAN BROS., 458 S. Clinton St., Chicago.....Pages 706, 819, 1884
CLASSIFICATIONS—1783, Cableways (Drag Line); 1784, Coal Handling & Storage Plant Construction; 13117a, Scrapers (Power Drag).

SCAIFE & SONS CO., WM. B., First National Bank Bldg., Pittsburgh, Pa.
Pages 1059, 2057
CLASSIFICATIONS—4749, Filters (Water); 14725, Tanks (Air).

SCHAFFER POIDOMETER CO., 2828 Smallman St., Pittsburgh, Pa.....Page 1717
CLASSIFICATION—11333b, Poidometer Mfrs.

SCHODER & LOMBARD STAMP & DIE CO., 204½ Centre, New York.
Pages 952, 1326, 1990, 2175
CLASSIFICATIONS—3769, Dies (Embossing); 2776b, Dies (Moulded Insulation); 7396, Letters & Figures (Steel); 14133, Stamps (Steel); 16212, Type (Steel).

SCHUTTE & KOERTING CO., 1251 N. 12th St., Philadelphia, Pa.
Pages 618, 619, 850, 890, 1003, 1028, 1214, 1259, 1602, 1961, 2049, 2186, 2194, 2200.
CLASSIFICATIONS—941, Blowers (Furnace); 948, Blowers (Steam Jet); 3005, Condensers (Steam); 3162a, Coolers (Oil); 4329, Engine Stops (Speed Limit); 4476, Exhausters (Steam Jet); 6028, Heaters (Feed Water); 6602, Injectors & Ejectors (Boiler); 10236a, Oil Burning Systems; 13976c, Spray Nozzles (Water Cooling); 14631, Syphons (Steam Jet); 16304, Valves (Exhaust); 16369, Valves (Pressure Reducing); 16401a, Valves (Stop Check).

SCOVILL MFG. CO., Waterbury, Conn.....Pages 701, 1987
CLASSIFICATIONS—1728, Button Mfrs.; 14123, Stampings (Sheet Metal).

SCRANTON FORGING CO., 200 Green Ridge, Scranton, Pa.....Page 1086
CLASSIFICATION—4944, Forgings (Drop).

SEARLES ELECTRIC WELDING WORKS, 821 W. Washington Blvd., Chicago.
CLASSIFICATION—16744, Welding (Electric). Page 2234

SELLE & CO., H. W., 1000-1020 N. Halsted St., Chicago.....Page 1635
CLASSIFICATION—10491, Pads (Packing).

SHANK SIGN CO., E. A., 243H W. 55th, New York....Pages 1931, 1933, 1934, 1935
CLASSIFICATION—13655, Signs (Advertising); 13666, Signs (Enameled Iron); 13670a, Signs (Framed Metal Bulletin); 13674, Signs (Metal, etc.).

SHEEHY & CO., JAS. J., 918 F St., N. W., Washington, D. C.....Page 1671
CLASSIFICATION—10765, Patent Attorneys.

SHEPARD ELECTRIC CRANE & HOIST CO., 406 Schuyler Ave., Montour Falls, N. Y.....Pages 915, 1232
CLASSIFICATIONS—3359, Cranes (Electric Traveling); 6187, Hoists (Electric).

SHOOP BRONZE CO., Tarentum, Pa.....Page 748
CLASSIFICATION—2151, Castings (Brass & Bronze).

SHUSTER CO., F. B., Cedar Hills, New Haven, Conn.....Page 1459
CLASSIFICATION—9444, Wire Straightening Machines (Roll & Rotary).

SIMONDS SAW & STEEL CO., 470 Main St., Fitchburg, Mass.....Page 1873
CLASSIFICATION—12952, Saws.

SIMMONS CO., JOHN, 110 Centre St., New York.....Page 1996
CLASSIFICATION—14189-90, Steam Fitters' Supplies.

SIMPLEX VALVE & METER CO., 110 N. Broad St., Philadelphia, Pa...Page 1550
CLASSIFICATION—9740, Meters (Water).

SLEEPER & HARTLEY, INC., Worcester, Mass.....Pages 851, 1420, 1447, 1964
CLASSIFICATIONS—3015, Conduit Elbow Former; 8643-4, Nail Mill Machinery; 9182, Spring Coiling Machines; 13996, Springs (Bed).

SMITH & HEMENWAY CO., INC., 261H Broadway, New York.
Pages 609, 936, 1703, 1872
CLASSIFICATIONS—828, Bits (Auger); 3559a, Cutters (Glass); 11172, Pliers & Nippers; 12932, Saw Blades & Frames (Hack).

SMITH & SONS, DAVID H., foot of 51st St., Brooklyn, N. Y.
Pages 578, 641, 1589, 1698, 1829, 2011, 2039
CLASSIFICATIONS—574, Bars (Iron & Steel); 1091, Bolts (Machine); 10092, Nails (Wire); 11091, Plates (Floor, Iron & Steel); 12500a, Rivets (Boiler); 14249, Steel Sheets (Blue Annealed); 14497, Structural Steel.

SMITH & SERRELL, 68 Washington St., Newark, N. J.....Page 908
CLASSIFICATIONS—3296, Couplings (Flexible); 3297, Couplings (Flexible Cushion).

SMITH WIRE & IRON WORKS, F. P., 2340-48 Clybourn Ave., Chicago..Page 1269
CLASSIFICATION—6690, Iron (Architectural & Ornamental).

SMITH GAS ENGINEERING CO., Dayton, O.....Page 1121
CLASSIFICATION—5189, Gas Producers.

SMITH CO., THE T. L., 1052 32nd St., Milwaukee, Wis.....Page 845
CLASSIFICATION—2989, Concrete Mixers.

SNAPPY MFG. CO., 900 Railroad St., Harvard, Ill.....Page 2148
CLASSIFICATION—15903, Traps (Rat & Mouse).

SOUTHERN WOOD PRESERVING CO., Atlanta, Ga.....Page 1077
CLASSIFICATION—4893, Flooring (Wood Block).

SOUTHWARK FOUNDRY & MACHINE CO., 1128 S. 4th St., Philadelphia, Pa.
CLASSIFICATION—11565, Presses (Hydraulic). Page 1737

SPAULDING FIBRE CO., INC., Tonawanda, N. Y.....Pages 1051, 1265
CLASSIFICATIONS—4681, Fibre (Insulating); 6658, Insulation (Switch Rod).

SPRAY ENGINEERING CO., 62 High St., Boston, Mass.....Pages 1428, 1640, 2036
CLASSIFICATIONS—8835, Pneumatic Painting Machines; 10526b, Paint Sprayers; 14438, Strainers (Pressure).

SPRINGFIELD ALUMINUM PLATE & CASTINGS CO., Springfield, O...Page 1699
CLASSIFICATION—1110, Plates (Match).

SPRINGFIELD FACING CO., 315 Main St., Springfield, Mass.....Page 672
CLASSIFICATION—1425, Brick (Fire).

SPROUT, WALDRON & CO., Muncy, Pa.....Page 1565
CLASSIFICATION—9779, Mills (Cork Grinding).

STANDARD BOILER & PLATE CO., Niles, O.....Page 2080
CLASSIFICATION—14806, Tanks (Steel).

STANDARD CONVEYOR CO., N. St. Paul, Minn.....Page 885
CLASSIFICATION—3113, Conveyors (Gravity).

STANDARD GAUGE STEEL CO., Beaver Falls, Pa.....Page 2000
CLASSIFICATION—14208, Steel (Cold Drawn).

STANDARD PAPER MFG. CO., Richmond, Va.....Page 1654
CLASSIFICATION—10630, Paper (Blotting).

STANDARD SPRING & MFG. CO., 237 42nd St., Brooklyn, N. Y.....Page 1972
CLASSIFICATION—14027, Springs (Phosphor Bronze).

STARKE'S DIXIE PLOW WORKS, INC., 1518 E. Cary St., Richmond, Va.
CLASSIFICATION—2169, Castings (Grey Iron). Page 757

STEARNS LUMBER CO., A. T., 100 Taylor St., Boston, Mass....Pages 1359, 2089
CLASSIFICATIONS—7648, Lumber; 14823, Tanks (Wood).

STENDER COPPERSMITH CO., 2930 Smallman St., Pittsburgh, Pa.....Page 1289
CLASSIFICATION—6869a, Kettles (Copper).

STERLING WHEELBARROW CO., Milwaukee, Wis.....Page 576
CLASSIFICATION—547, Barrows (Concrete & Mortar).

STEVENS, INC., FREDERIC B., 3rd & Larned Sts., Detroit, Mich.
Pages 1093,, 1698
CLASSIFICATIONS—4993, Foundry Facings & Supplies; 11054, Platers' & Polishers' Supplies.

STEVENSON MFG. CO., South Bend, Ind.....Pages 700, 969, 2271
CLASSIFICATIONS—1724, Bushings (Wooden); 3965, Dowels; 17038, Wood Turnings (Automatic).

STEWART IRON WORKS CO., 238 Stewart Blk., Cincinnati, O.....Page 1043
CLASSIFICATION—4640a, Fences (Wrought Iron).

STILES & CO., H. A., 166-174 Portland St., Boston, Mass.....Pages 999, 1192
CLASSIFICATION—4297, Emery & Corundum; 5883, Handles (Wood).

STIMPSON CO., EDWIN B., 852 Kent St., Brooklyn, N. Y..Pages 1031, 1178, 1831
CLASSIFICATIONS—4516a, Eyelets (All Metals); 5679, Grommets (Metal); 12515a, Rivets (Iron).

STOLL CO., THE D. H., 30 Lansing St., Buffalo, N. Y.....Pages 1741, 1910
CLASSIFICATIONS—11608, Presses (Power); 13438, Shears (Power).

STOW MFG. CO., INC., Binghamton, N. Y.....Page 1905
CLASSIFICATION—13396, Shafts (Flexible).

STROM BALL BEARING MFG. CO., 4569 Palmer St., Chicago.....Page 588
CLASSIFICATION—668, Bearings (Ball).

STRONG MACH'Y & SUPPLY CO., 292-294 Church St., New York.....Page 1629
CLASSIFICATION—10463, Packing Mfrs.

STRONG STEEL FOUNDRY CO., Buffalo, N. Y.....Page 765
CLASSIFICATION—2192, Castings (Steel).

STRUCTURAL SLATE CO., Pen Argyle, Pa.....Pages 1941, 2044
CLASSIFICATIONS—13741, Slate for Electrical Purposes; 14565, Switchboards (Light & Power).

SUMET CORP., 564 Ellicott Square, Buffalo, N. Y.....Page 585
CLASSIFICATION—662a, Bearing Metal.

SUPERIOR BRASS MFG. CO., 98 Wayne St., Mansfield, O.....Pages 743, 748
CLASSIFICATIONS—2147, Castings (Aluminum); 2151, Castings (Brass & Bronze).

SUPERIOR STAMPING CO., 2nd & Elm Sts., Cincinnati, O.....Page 1987
CLASSIFICATION—14128, Stampings (Sheet Metal).

SURFACE COMBUSTION CO., 334 Gerard Ave., Bronx, New York.
Pages 695, 877, 981, 1005, 1097, 1098, 1099, 1100, 1102, 1103, 1104, 1107, 1108, 1109, 1110, 1112, 1216, 1292, 1430, 1618, 2112.
CLASSIFICATIONS—4120a, Dryers (Fruit & Vegetable); 5046, Furnaces (Annealing & Case Hardening); 5047a, Furnaces (Automatic); 5048, Furnaces (Babbitt Melting); 5054a, Furnaces (Bright Annealing); 5056a, Furnaces (Coal, Gas or Oil); 5058, Furnaces (Confectioners' Gas); 5069, Furnaces (Enameling); 5074, Furnaces (Fuel Oil Burning); 5075, Furnaces (Galvanizing); 5076, Furnaces (Gas); 5082, Furnaces (Heat Treating); 5087a, Furnaces (Industrial); 5089a, Furnaces (Laboratory); 5097, Furnaces (Malleable Annealing & Melting); 5098, Furnaces (Melting); 5105, Furnaces (Plate Heating); 5107, Furnaces (Producer Gas); 5108a, Furnaces (Recuperative); 5112, Furnaces (Reverberatory); 5134, Furnaces (Wire Baking & Annealing); 6035a, Heaters (Immersion); 6906, Kilns (Ceramic); 10423, Ovens (Bread); 8851, Printing Presses & Machinery; 15428, Tenter Frame Heaters.

SWABY MFG. CO., 2010-2020 Marshall Blvd., Chicago.....Page 1762
CLASSIFICATION—11818, Pumps (Centrifugal).

TAINTOR TRADING CO., INC., 21 State St., New York.....Page 772
CLASSIFICATION—2253, Cements (Keene's Imported).

TEMPLETON-KENLY & CO., 1020 S. Central Ave., Chicago.....Page 1283
CLASSIFICATION—6795, Jacks (Track, Lifting, Etc.).

TEXAS CO., Dept. D, 17 Battery Pl., New York.....Page 1348
CLASSIFICATION—7621, Lubricating Oils & Greases.

TEXTILE WORLD, 334 Fourth Ave., New York.....Pages 2099, 2106
CLASSIFICATIONS—14993, Textile Machinery, Supplies, Etc.; 15220, Knitting Machinery.

TOLEDO METAL MFG. CO., 983-1015 Front St., Toledo, O.....Page 2081
CLASSIFICATION—14806, Tanks (Steel).

TOPPING BROS., 156 Varick St., New York.
Pages 588, 633, 1200, 1229, 1890, 2223, 2235
CLASSIFICATIONS—669, Bearings (Bronze Metal); 1044, Bolts, Nuts & Rivets; 5921, Hardware Mfrs. (Automobile & Carriage Top); 6177, Hoists (Chain); 16637, Washers (Iron & Steel); 16749, Welding & Cutting Apparatus (Oxy-Acetylene); 13177, Screw Machine Products.

TORRINGTON CO. (Exselsior Plant), Torrington, Conn.
Pages 1450, 1673, 1960, 2108, 2179
CLASSIFICATIONS—9232, Swaging Machines; 10779, Pedals (Bicycle & Motorcycle); 15297, Needles (Comber); 16248, Vacuum Cleaners (Portable Household Type); 13944, Spokes (Motorcycle & Bicycle).

TOWNSEND CO., New Brighton, Pa.....Page 1828
CLASSIFICATION—12493, Rivet Mfrs.

TOWNSEND FOUNDRY & MACHINE SHOP CO., Albany, N. Y.....Page 750
CLASSIFICATIONS—2155, Castings (Chemical Works).

TREADWELL ENGINEERING CO., Easton, Pa.
Pages 758, 765, 1234, 1426, 1436, 1446, 1856
CLASSIFICATIONS—2170c, Castings (Iron); 2192, Castings (Steel); 6203, Hoists (Mine); 8792, Pipe Cutting & Threading Machines; 8951, Rolling Mill Machinery; 9162, Special Machinery; 12800, Rubbing Beds (Stone, Slate, Etc.).

TYLER & CO., W. S., Cleveland, O.....Pages 1271, 2254
CLASSIFICATION—6690, Iron (Architectural & Ornamental); 1691, Wire Cloth.

UNION ASBESTOS & RUBBER CO., 351 E. Ohio St., Chicago.....Page 1624
CLASSIFICATION—10449, Packing (Asbestos).

UNION BLIND & LADDER CO., INC., 3537 Peralta St., Oakland, Cal..Page 1670
CLASSIFICATION—10749, Partitions (Wood, Rolling).

UNION CARBIDE & CARBON CO., 30 E. 42nd St., New York.....Page 708
CLASSIFICATION—1796, Calcium Carbide.

UNION DRAWN STEEL CO., Beaver Falls, Pa.....Page 2001
CLASSIFICATION—14208, Steel (Cold Drawn).

UNION PAPER CO., 844 Washington St., New York.....Page 739
CLASSIFICATION—2117, Cases (Mailing, for Liquids).

UNION PAPER & TWINE CO., 128 St. Clair Ave., N. W., Cleveland, O.
Pages 1848, 2140
CLASSIFICATIONS—15829, Towels (Paper); 12716, Roofing (Asphalt, Ready).

UNITED SALES CORP., 41 Drumm St., San Francisco, Cal.....Page 2232
CLASSIFICATION—16723, Wedges (Handle).

U. S. CHAIN & FORGING CO., Union Trust Bldg., Pittsburgh, Pa.....Page 776
CLASSIFICATION—2293, Chains (Anti-Spreader).

U. S. GAUGE CO., 44 Beaver St., New York.....Page 1129
CLASSIFICATION—5267, Gauges (Compound, Pressure & Vacuum).

U. S. INDESTRUCTIBLE GASKET CO., 831 E. 15th St., New York.....Page 1122
CLASSIFICATION—5204, Gaskets (Corrugated & Plain).

U. S. RUBBER CO., 1790 Broadway, New York.....Pages 598, 599, 600, 601, 611, 840, 910, 949, 1076, 1123, 1247, 1248, 1249, 1250, 1251, 1283, 1286, 1535, 1536, 1624, 1626, 1628, 1630, 1631, 1632, 1633, 1634, 1854, 1942, 2037, 2090, 2166
CLASSIFICATIONS—Belting Mfrs., 735b, Belting Mfrs. (Axle Generator); 739, Belting Mfrs. (Canvas Stitched); 741, Belting Mfrs. (Conveyor); 742, Belting Mfrs. (Detachable Chain); 743, Belting Mfrs. (Elevator); 751a, Belting Mfrs. (Stone Elevator); 752a, Belting Mfrs. (Transmission); 875, Blankets (Rubber Hospital); 2948, Compounds (Splicing); 3314b, Covering (Roller); 3735, Diaphragms (Rubber); 4891a, Flooring (Rubber Tile); 4892a, Flooring (Sheet Rubber); 5206, Gaskets (Gauge Glass); 6446, Hose (Air Brake); 6447, Hose (Air Drill); 6449, Hose (Car Heating); 6456, Hose (Engine & Tender); 6356a, Hose (Filling Station); 6457, Hose (Fire); 6461, Hose (Gasoline); 6462, Hose (Linen); 6464, Hose (Mill); 6464a, Hose (Oil Suction & Discharge); 6464al, Hose (Oil); 6464a2, Hose (Oxy-Acetylene); 6467, Hose (Rubber); 6467a, Hose (Sand Blast); 6468, Hose (Steam); 6471, Hose (Suction); 6474, Hose (Water); 6808, Jars (Battery, Rubber); 6834, Joints (Expansion); 9614, Mats (Switchboard); 9619, Mats & Matting (Rattan, Etc.); 9620, Mats & Matting (Rubber); 10449, Packing (Asbestos); 10453, Packing (Flax); 10454, Packing (Flexible Fibre); 10462, Packing (Leather); 10463, Packing Mfrs.; 10464, Packing (Metallic); 10465a, Packing (Piston Rod); 10466, Packing (Pump); 10471, Packing (Rod & Plunger); 10472, Packing (Sheet); 10475, Packing (Vulcanized Rubber); 12783, Rubber Goods; 13759, Sleeves (Dredging); 14454, Straps (Deckle); 14830, Tape (Friction); 16105, Tubing (Hard Rubber).

UPSON CO., THE, Lockport, N. Y.....Page 2218
CLASSIFICATION—16605, Wall Boards.

VAILE & YOUNG, Baltimore, Md.....Page 2009
CLASSIFICATION—14235, Steel Plate Work.

VALVE BAG CO. OF AMERICA, Toledo, O.....Page 564
CLASSIFICATION—405, Bags (Paper).

VAN DORN IRON WORKS CO., 2700 E. 79th St., Cleveland, O.....Pages 1055, 1919
CLASSIFICATIONS—4706, Filing Cabinets & Devices; 13511, Shelving (Steel).

VICTOR OXY-ACETYLENE WELDING EQUIPMENT CO., 884-886 Folsom St., San Francisco, Cal.....Page 2235
CLASSIFICATION—16749, Welding & Cutting Apparatus (Oxy-Acetylene).

VILTER MFG. CO., 1046 Clinton St., Milwaukee, Wis.....Page 1411
CLASSIFICATION—8485, Ice & Refrigerating Machines.

VITREOUS ENAMELING CO., 6800 Grant Ave., Cleveland, O.....Pages 1652, 1720
CLASSIFICATIONS—10597, Pans (Evaporating); 11386, Porcelain Enameling.

VULCAN MACHINE WORKS, 90 N. 4th St., Portland, Ore.....Page 1387
CLASSIFICATION—7960, Canning Machinery.

WALDEN-WORCESTER, INC., 475 Shrewsbury St., Worcester, Mass.....Page 2276
CLASSIFICATION—17091, Wrenches (Ratchet).

WAPPAT GEAR WORKS, Meade & Braddock Sts., Pittsburgh, Pa..Pages 1143, 1446
CLASSIFICATIONS—5378, Gears (Cut); 9162, Special Machinery.

WARREN CITY TANK & BOILER CO., Warren, O.....Page 2071
CLASSIFICATION—14785, Tanks (Oil—Large Field Storage).

WARREN TOOL & FORGE CO., 145 Griswold St., Warren, O.
Pages 760, 1678, 1708, 1942, 2177, 2232
CLASSIFICATIONS—2174, Castings (Malleable Iron); 16729, Wedges (Steel); 10856, Picks, Mattocks & Grub Hoes; 16229, Unions; 11235a, Plugs (Steel Barrel); 13753, Sledge Mfrs.

WARSAW ELEVATOR CO., Warsaw, N. Y.....Page 997
CLASSIFICATION—4270, Elevators (Freight & Passenger).

WASHINGTON MACHINERY & SUPPLY CO., Spokane, Wash.....Page 1336
CLASSIFICATION—7507, Loaders (Log).

WATERBURY BUTTON CO., 831 S. Main St., Waterbury, Conn.
Pages 1265, 1799, 1988
CLASSIFICATION—6655, Insulation (Molded Heat Proof); 12104d, Radio Parts; 14123, Stampings (Sheet Metal).

WATSON BROS. STEEL CO., Youngstown, O.....Page 2009
CLASSIFICATION—14236, Steel Plates & Sheets.

WATSON-STILLMAN CO., 38 Church St., New York..Pages 1280, 1410, 1627, 1738
CLASSIFICATIONS—6778, Jacks (Hydraulic); 7474a, Hydraulic Machinery; 10457, Packing (Hydraulic); 11565, Presses (Hydraulic).

WEBER BROS. METAL WORKS, 122 N. Jefferson St., Chicago Pages 1074, 2021
CLASSIFICATION—4877, Floats (Copper); 14324, Stills (Water).

WEBSTER MFG. CO., 4500-4560 Cortland St., Chicago.. Pages 690, 780, 879, 887
CLASSIFICATIONS—1594, Buckets (Elevator & Conveyor); 2325, Chains (Elevator); 3088, Conveyors (Apron); 3130, Conveyors (Rock & Ore).

WEIS MFG. CO., 132 Union St., Monroe, Mich Pages 644, 703, 705, 726, 1054, 2042
CLASSIFICATIONS—1136, Book Cases; 1751a, Cabinets (Card Index); 1755b, Cabinets (Filing); 1766a, Cabinets (Stationery); 1961a, Card Index Boxes; 4706, Filing Cabinets & Devices; 14534a, Supplies (Office).

WELDING MATERIALS CO., 116 Liberty St., New York.....Page 2234
CLASSIFICATION—16747a, Welding Supplies.

WELLMAN BRONZE CO., 6017 Superior Ave., Cleveland, O.....Page 747
CLASSIFICATION—2151, Castings (Brass & Bronze).

WEST DISINFECTING CO., 411 5th Ave., New York.....Pages 959, 1948, 2140
CLASSIFICATIONS—3850, Disinfectants; 15829, Towels (Paper); 13811, Soap (Liquid).

WEST VIRGINIA PULP & PAPER CO., 200 Fifth Ave., New York.
Pages 621, 622, 1051, 1264
CLASSIFICATIONS—969a, Boards (Counter); 972, Boards (Fibre); 973, Boards (Friction); 4682, Fibre (Sheet); 6653, Insulation (Electrical).

WESTCOTT RULE CO., Seneca Falls, N. Y.....Page 1857
CLASSIFICATION—12808, Rules.

WESTERN BLIND & SCREEN CO., 2700 Long Beach Ave., Los Angeles, Cal.
CLASSIFICATION—897, Blinds (Venetian). **Page 614**

WESTERN CAN CO., 180 Townsend St., San Francisco, Cal.....Page 720
CLASSIFICATION—1875, Cans (Tin).

WESTERN ENGINEERING & MFG. CO., 2604 Irving Park Blvd., Chicago Page 819
CLASSIFICATION—2777, Clutches (Friction).

WESTERN GLASS CO., Streator, Ill.....Page 1160
CLASSIFICATION—5482, Glass (Wire Glass).

WESTERN PACKING & SUPPLY CO., 233 N. Wells St., Chicago..Pages 931, 1631
CLASSIFICATION—3498, Cups (Leather); 10464, Packing (Metallic).

WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa.....Page 991
CLASSIFICATION—4219, Electric Supplies.

WETHERELL BROS. CO., 251 Albany St., Cambridge, Mass. Pages 1277, 2003, 2009
CLASSIFICATIONS—6715, Iron & Steel Sheet (Black & Galvanized); 14213, Steel (Cold Rolled Strip); 14242, Steel Screw Stock.

WHEELING MACHINE PRODUCTS CO., Main & 20th St., Wheeling, W. Va.
Page 910
CLASSIFICATION—3308, Couplings (Pipe).

WHITCOMB CO., GEO. D., Rochelle, Ill.....Page 1343
CLASSIFICATION—7590, Locomotives (Gasoline).

WHITEHEAD METAL PRODUCTS CO., 67-73 Washington St., North, Boston, Mass.
CLASSIFICATION—3189, Copper & Brass (Sheet). **Page 894**

WHITMAN & BARNES MFG. CO., Akron, O.....Pages 976, 1806
CLASSIFICATIONS—4072a, Letter Sizes Twist Drills; 12190, Reamers (Chucking).

WIARDA & CO., JOHN C., 83 Provost St., Brooklyn, N. Y.
Pages 504, 519, 520, 523, 644, 645, 768, 892, 1861, 1952
CLASSIFICATIONS—34, Acid (Hydrosilicofluoric); 146, Ammonia (Aqua & Anhydrous); 152c, Ammonia Fluoride; 187, Antimony (Needle & Crude); 1131, Bone-Ash; 2216, Caustic Soda; 3172c, Copper Carbonate; 12870, Sal-Soda; 13855f, Sodium Fluoride.

WICKES BROS., Saginaw, Mich.....Page 1315
CLASSIFICATION—7264, Lathes (Engine).

WICKWIRE-SPENCER STEEL CORP., Worcester, Mass....Pages 2249, 2255, 2263
CLASSIFICATIONS—16891, Wire (Aerial & Cable); 16917, Wire Cloth (Brass, Bronze & Copper); 16969a, Wire Rope (Guy).

WILCOX, CRITTENDEN & CO., INC., 444 S. Main St., Middleton, Conn.
Pages 514, 628, 641, 745, 754, 1069, 1086, 1118, 1902, 1950, 1961, 2118, 2127, 2171, 2262
CLASSIFICATIONS—100, Airports; 1078a, Bolts (Eye); 1099, Bolts (Ring); 2151, Castings (Brass & Bronze); 2169, Castings (Grey Iron); 4822a, Fittings (Wire Rope); 4944, Forgings (Drop); 5171, Galvanizing (Hot Process), 13343, Shackles (Anchor); 13845a, Sockets (Wire Rope); 13976, Spouts (Sap); 15531, Thimbles (Wire Rope); 15615a, Tinning; 16163, Turnbuckles (Wrought Iron); 1696al, Wire Rope Fittings.

WILLIAMS & WELLS CO., 253 Fulton St., New York.....Page 840
CLASSIFICATION—2944, Compounds (Pipe Joint).

WILLIAMS & CO., C. K., Easton, Pa.....Page 834
CLASSIFICATION—2887a, Colors (Acid).

WILLIAMS FOUNDRY & MACHINE CO., Akron, O.
Pages 818, 897, 1577, 1744, 2128
CLASSIFICATIONS—2777, Clutches (Friction); 3214, Cores (Rubber Tire Building); 9920, Molds (Rubber Tire); 11659, Presses (Vulcanizing); 15640, Tire Repair Kits or Equipments.

WILLIAMS PATENT CRUSHER & PULVERIZER CO., 707 Montgomery St., St. Louis, Mo.....Page 926
CLASSIFICATION—3452, Crushers (Coal & Coke).

WILLIAMSPORT WIRE ROPE CO., Chicago.....Page 2263
CLASSIFICATION—16969c, Wire Rope (Hawsers, Galvanized Steel).

WILMARTH & MORMAN CO., 1174 Monroe Ave., Grand Rapids, Mich.Page 1176
CLASSIFICATION—5661, Grinders (Surface, Etc.).

WILSON CO., ANDREW, 616 Essex St., Lawrence, Mass.....Page 1338
CLASSIFICATION—7518, Lockers (Metallic).

WILSON BROS., Easton, Pa.....Page 1564
CLASSIFICATION—9767, Mills (Bone & Shell).

WILSON-IMPERIAL CO., 115 Chestnut St., Newark, N. J.....Page 1820
CLASSIFICATION—12366, Removers (Paint & Varnish).

WISCONSIN BRIDGE & IRON CO., North Milwaukee, Wis.....Page 2016
CLASSIFICATION—14268, Structural Steel Work.

WITT CORNICE CO., 2118 Winchell Ave., Cincinnati, O.....Page 717
CLASSIFICATION—1833, Cans (Ash & Garbage).

WOOD IRON & STEEL CO., ALAN, Widener Bldg., Philadelphia, Pa..Page 1698
CLASSIFICATION—11091, Plates (Floor, Iron & Steel).

WOOLFORD WOOD TANK MFG. CO., G., 72nd & Woodland Ave., Philadelphia, Pa.....Page 2089
CLASSIFICATION—14823, Tanks (Wood).

WORCESTER PRESSED STEEL CO., Worcester, Mass. Pages 1983, 1988, 2002, 2003
CLASSIFICATIONS—14211, Steel (Cold Rolled); 14213, Steel (Cold Rolled Strip); 14120, Stamping (Automobile); 14123, Stampings (Sheet Metal).

YEOMANS BROS. CO., 1436 Dayton St., Chicago.....Page 1783
CLASSIFICATION—11931, Pumps (Sewage).

YOUNGSTOWN PRESSED STEEL CO., Warren, O.....Pages 1313, 1729
CLASSIFICATIONS—7247, Lath (Expanded Metal); 11470, Pressed Steel Specialties.

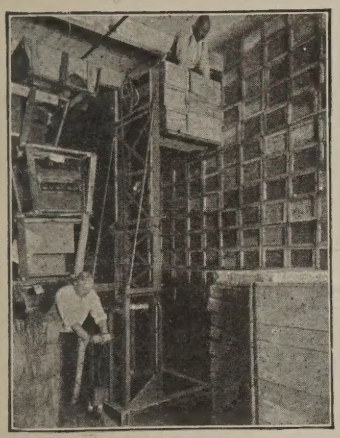
ZAREMBA CO., 505 Crosby Bldg., Buffalo, N. Y.....Page 1025
CLASSIFICATION—4453, Evaporators (Multiple Effects).

ZERING MFG. CO., H., B. & O. R. R. & Hickory Sts., Cincinnati, O..Page 2161
CLASSIFICATION—16049, Trucks (Store, Warehouse & Factory).

STANDARD CONVEYOR COMPANY

General Offices and Plant: NORTH ST. PAUL, MINNESOTA

Representatives in all Principal Cities



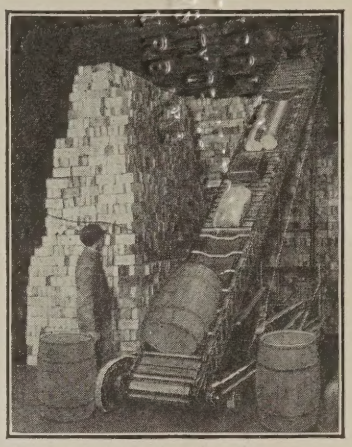
Handilift—Hand and Power Operated. Elevating Height, 10 to 15 feet or over. Lifting capacity, 500 to 3000 lbs. Can also be used as a floor to floor elevator. Tiers, boxes bales, barrels and baskets.

Standard Conveyors are designed to meet all requirements in the handling of merchandise, orders, cash, messages and all kinds of loose and packed materials.

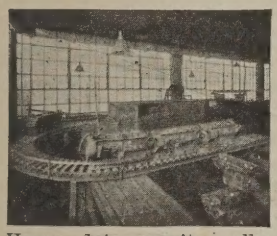
Catalog "M," which will be sent to you on request, illustrates and explains how Standard Conveying Equipment is operating successfully in various yards, warehouses, offices and manufacturing plants throughout the world.

Efficient engineers, employed by this company, will be glad to assist you in planning a conveying system that will operate to your entire satisfaction. This service places you under no obligation.

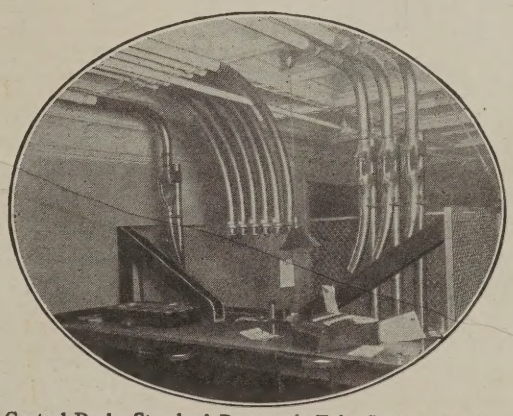
STANDARD CONVEYOR COMPANY.



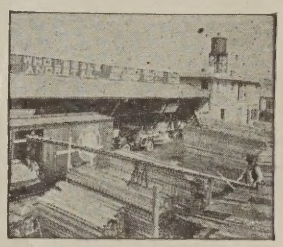
Standard Piler for piling all kinds of merchandise to a height of 20 feet. Speed 20 feet a minute. Portable pilers can also be used as part of a complete system.



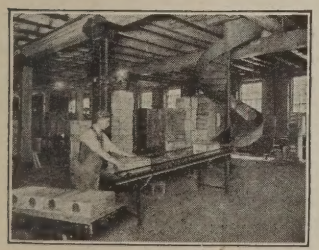
Heavy duty gravity roller conveyor carrying heavy castings.



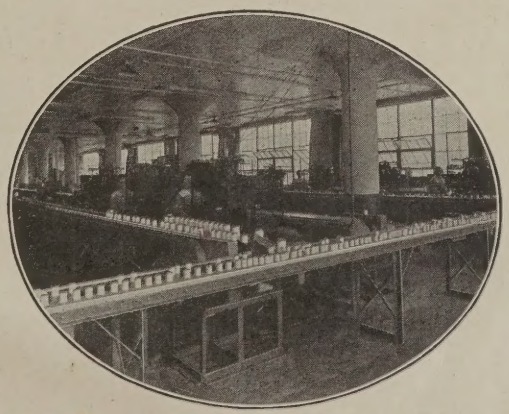
Central Desk—Standard Pneumatic Tube System, receives Cash, Messages and Orders through sub-stations installed in various departments of a business or industry.



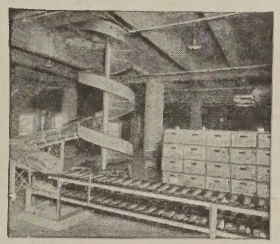
Gravity roller conveyor unloading lumber from car to pile.



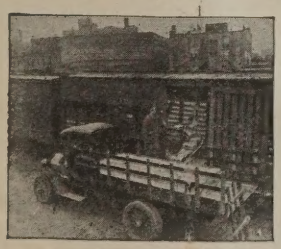
Combination gravity spiral chute and roller conveyor system.



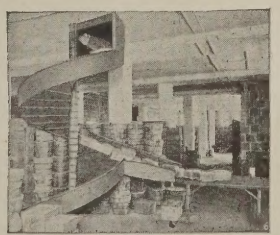
Belt Conveyors carrying jars automatically from filling and sealing to labeling machines. No Article is too light or too heavy for a Standard Belt Conveyor.



Combination System of spiral chute, gravity roller conveyor and power slat conveyors.



Gravity roller conveyors unloading brick.



Spiral chute lowering miscellaneous merchandise on various floors.

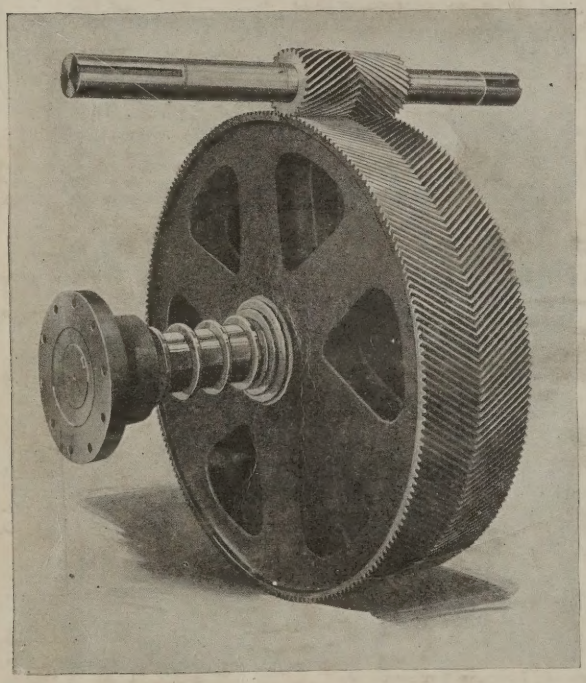
NO GAP AT THE CENTER



MADE IN ALL SIZES

Sykes Double Helical Gears

With Generated Continuous Teeth and Sharp Apices

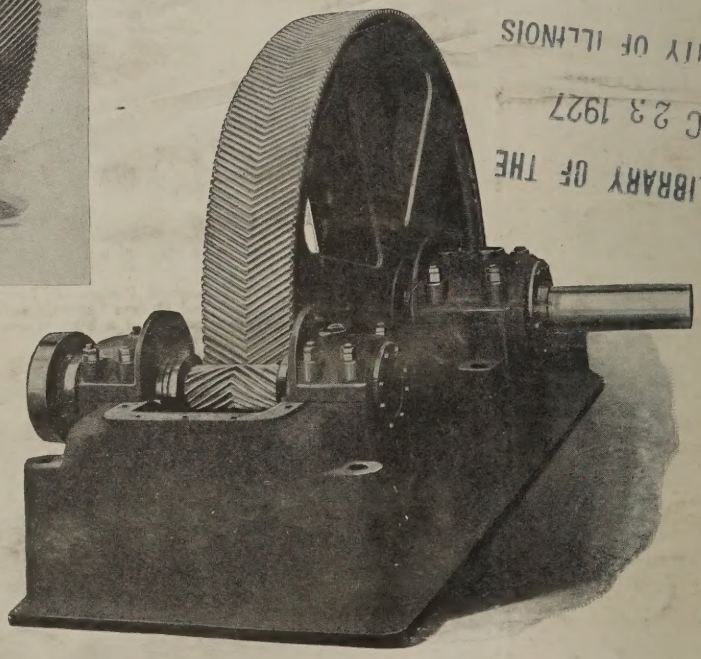


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